

# McHenry County College

## HEALTH SCIENCE 2024 RENOVATIONS

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8600 ROUTE 14, SUITE 205  
CRYSTAL LAKE, IL 60012

ISSUED FOR BID - NOT FOR CONSTRUCTION

02/18/2025

DKA PROJECT NO: 24-032

MCC BID NO: RFP#03182025



ARCHITECT:

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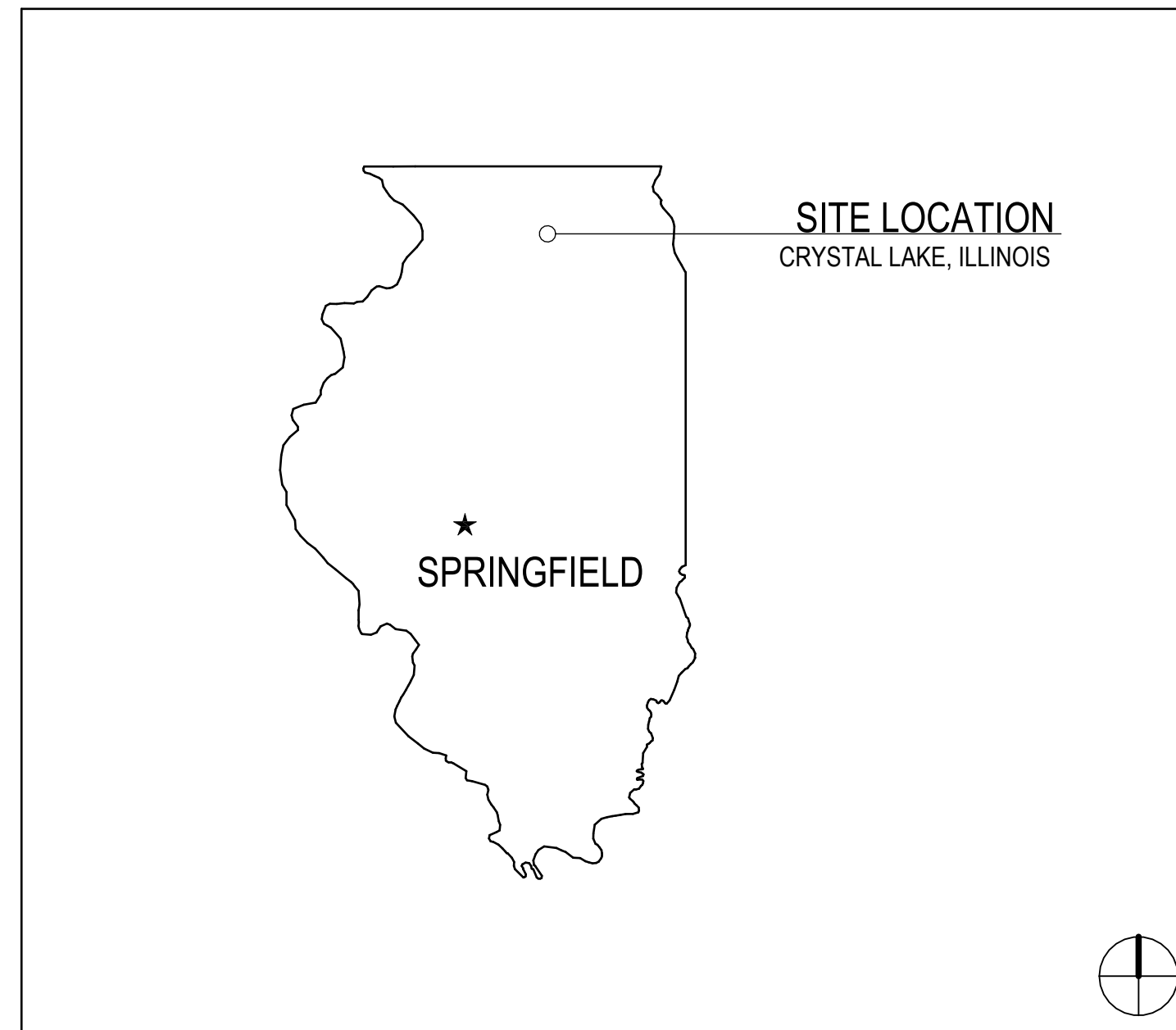
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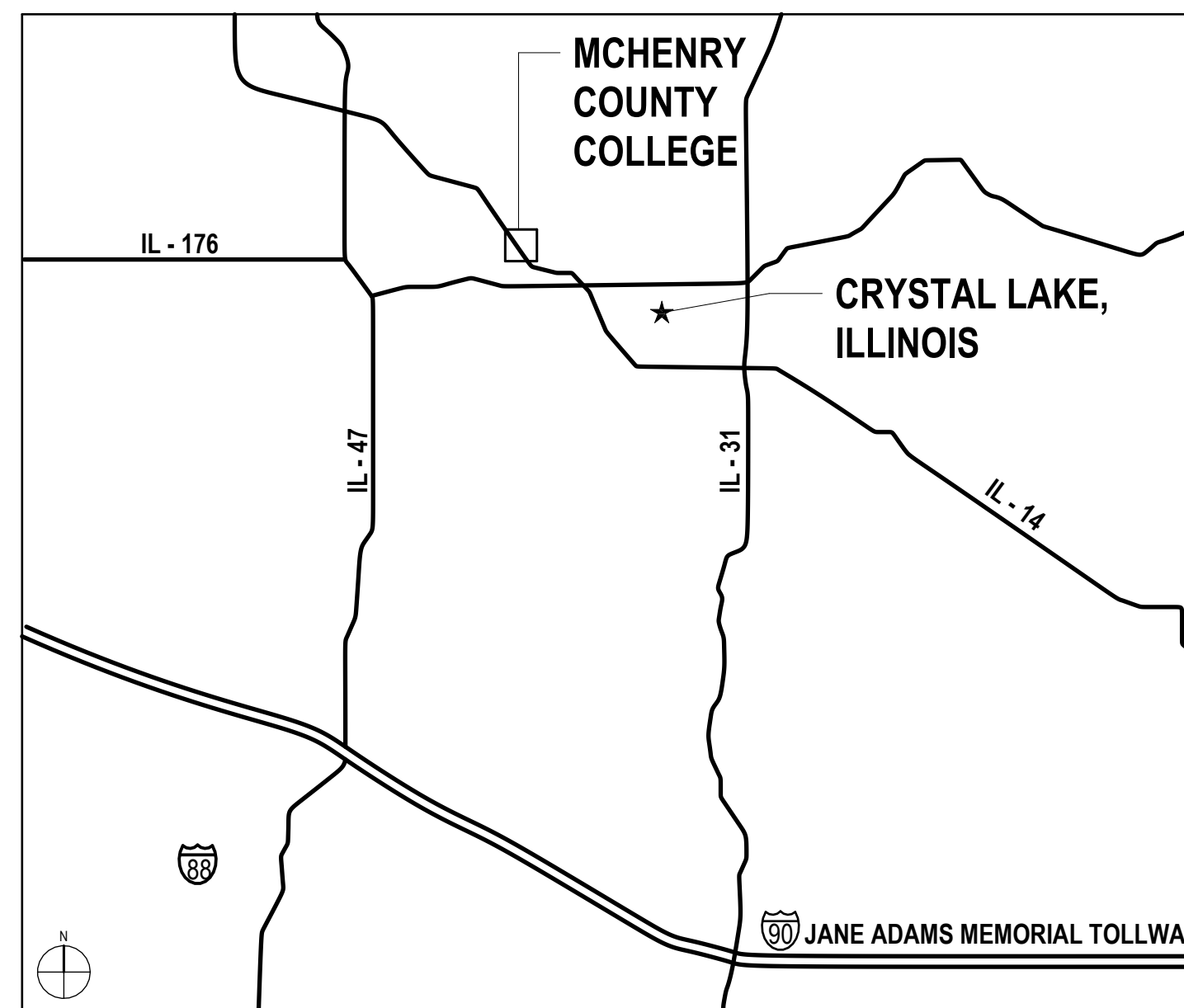
### ABBREVIATIONS

|  |   |                              |
|--|---|------------------------------|
| AP ACCESS PANEL                        | HDW HARDWARE                                | TEL TELEPHONE                |
| ACOUST ACUSTICAL                       | HDWD HARDWOOD                               | TV TELEVISION                |
| ACT ACUSTICAL CEILING TILE             | HDR HEADER                                  | TRZ TERRAZZO                 |
| ADJ ADJACENT                           | HTG HEATING                                 | TB TILE BASE                 |
| A.F.F. ABOVE FINISH FLOOR              | HVAC HEATING, VENTILATING, AIR CONDITIONING | THK THICK                    |
| AGGR AGGREGATE                         | HT HEIGHT                                   | T.O.C. TOP OF CURB           |
| A/C AIR CONDITIONING                   | HC HOLLOW CORE                              | TOP TOP OF PAVEMENT          |
| ALT ALTERNATE                          | HM HOLLOW METAL                             | TOW TOP OF WALL              |
| ALUM ALUMINUM                          | HMF HOLLOW METAL FRAME                      | T&G TONGUE AND GROOVE        |
| L ANGLE                                | HORZ HORIZONTAL                             | TYP TYPICAL                  |
| APPD APPROVED                          | HB HOSE BIB                                 | UNF UNFINISHED               |
| APPROX APPROXIMATE                     | HR HOUR                                     | UN.O. UNLESS NOTED OTHERWISE |
| ARCH ARCHITECTURAL OR ARCHITECT        | INC INCLUDE                                 | UR URINAL                    |
| AD AREA DRAIN                          | I.D. INSIDE DIAMETER                        |                              |
| ASB ASBESTOS                           | INSUL INSULATION                            |                              |
| ASPH ASPHALT                           | INTR INTERIOR                               |                              |
| AV AUDIO VISUAL                        | INV INVERT                                  |                              |
|  |   | VB VINYL BASE                |
|  |   | VERT VERTICAL                |
|  |   | VEST VESTIBULE               |
|  |   | VCT VINYL COMPOSITION TILE   |
|  |   | VW VINYL WALLCOVERING        |
|  |   |                              |
| BSMT BASEMENT                          | JAN JANITOR                                 | WSCT WAINSCOT                |
| BRG BEARING                            | JT JOINT                                    | WC WATER CLOSET              |
| BM BEAM                                | KIT KITCHEN                                 | WLK WALK-OFF MAT             |
| BTW BETWEEN                            | LAM LAMINATE                                | WR WATER RESISTANT           |
| BITUM BITUMINOUS                       | LAV LAVATORY                                | WT WALL TILE OR WEIGHT       |
| BLK BLOCK                              | LH LEFT HAND                                | W WEST                       |
| BLKG BLOCKING                          | LGTH LENGTH                                 | W WIDE FLANGE "W16x21"       |
| BD BOARD                               | LT LIGHT                                    | W WIDTH                      |
| BRK BRICK                              | LWC LIGHT WEIGHT CONCRETE                   | W/ WITH                      |
| BLDG BUILDING                          | LTL LINTEL                                  | W/O WITHOUT                  |
|  | LN LINOLEUM                                 | WD WOOD                      |
| CAB CABINET                            | LL LIVE LOAD                                | WDP WOOD PANEL               |
| CIP CAST IN PLACE                      |   | X EXISTING                   |
| CIPC CAST IN PLACE CONCRETE            |   |                              |
| CI CURB INLET                          | MH MANHOLE                                  |                              |
| CB CATCH BASIN                         | MFR MANUFACTURER                            |                              |
| CLG CEILING                            | MAS MASONRY                                 |                              |
| CTR CENTER                             | MO MASONRY OPENING                          |                              |
| CJ CONTROL JOINT                       | MTL METAL                                   |                              |
| CL CENTER LINE                         | MAX MAXIMUM                                 |                              |
| CPT CARPET                             | MECH MECHANICAL                             |                              |
| CT CERAMIC TILE                        | MTC MECHANICAL TRADES CONTRACTOR            |                              |
| CLR CLEAR                              | MEMB MEMBRANE                               |                              |
| CLO CLOSET                             | MT MARBLE TILE                              |                              |
| COL COLUMN                             | MIN MINIMUM                                 |                              |
| CONC CONCRETE                          | MISC MISCELLANEOUS                          |                              |
| CONN CONNECTION                        | MTD MOUNDED                                 |                              |
| CONST CONSTRUCTION                     | MTG MOUNTING                                |                              |
| CM CONSTRUCTION MANAGER                | MUL MULLION                                 |                              |
| CONT CONTINUOUS OR CONTINUE            |   |                              |
| CONTR CONTRACTOR                       | NOM NOMINAL                                 |                              |
| CK CORK                                | N NORTH                                     |                              |
| CORR CORRIDOR                          | N.I.C. NOT IN CONTRACT                      |                              |
| CNSK COUNTERSUNK                       | N.T.S. NOT TO SCALE                         |                              |
| CRS COURSE                             | NO OR # NUMBER                              |                              |
|  |   |                              |
| DEMO DEMOLISH OR DEMOLITION            | OBS OBSURE                                  |                              |
| DEPT DEPARTMENT                        | OFF OFFICE                                  |                              |
| DL DEAD LOAD                           | O.C. ON CENTER                              |                              |
| DIA DIAMETER                           | OPNG OPENING                                |                              |
| DIM DIMENSION                          | OPP OPPOSITE                                |                              |
| DISP DISPENSER                         | OSB ORIENTED STRAND BOARD                   |                              |
| DIV DIVISION                           | O.D. OUTSIDE DIAMETER                       |                              |
| DR DOOR                                | OA OVERALL                                  |                              |
| DO DOOR OPENING                        | OFD OVERFLOW DRAIN                          |                              |
| DBL DOUBLE                             |   |                              |
| DS DOWNSPOUT                           | PT PAINT                                    |                              |
| DRW DRAWER                             | PTD PAINTED                                 |                              |
| DWG DRAWING                            | PR PAIR                                     |                              |
| DF DRINKING FOUNTAIN                   | PNL PANEL                                   |                              |
| DS DRY STANDPIPE                       | PBD PARTICLE BOARD                          |                              |
| DWT DETECTABLE WARNING TILE            | PTN PARTITION                               |                              |
|  | PLAS PLASTIC                                |                              |
|  | P-LAM PLASTIC LAMINATE                      |                              |
| E EAST                                 | PL PLATE                                    |                              |
| EA EACH                                | PTC PLUMBING TRADES CONTRACTOR              |                              |
| EIFS EXTERIOR INSULATION FINISH SYSTEM | PLYWD PLYWOOD                               |                              |
| ELEC ELECTRICAL                        | PSI POUNDS PER SQUARE INCH                  |                              |
| ETC ELECTRICAL TRADES CONTRACTOR       | PC PRECAST                                  |                              |
| EWG ELECTRICAL WATER COOLER            | PCC PRECAST CONCRETE                        |                              |
| EP ELECTRICAL PANEL BOARD              |   |                              |
| EL ELEVATION                           | QT QUARRY TILE                              |                              |
| ELEV ELEVATION                         | R RADIUS                                    |                              |
| ELVTR ELEVATOR                         | RWL RAIN WATER LEADER                       |                              |
| ENCL ENCLOSURE                         | RFRG REFRIGERATOR                           |                              |
| EMER EMERGENCY                         | RGTR REGISTER                               |                              |
| EP PT EPOXY PAINT                      | REINF REINFORCED                            |                              |
| EPF EPOXY FLOORING                     | RQD REQUIRED                                |                              |
| EQ EQUAL                               | RES RESILIENT                               |                              |
| EQPMT EQUIPMENT                        | RA RETURN AIR                               |                              |
| EXSTG EXISTING                         | RAG RETURN AIR GRILLE                       |                              |
| EXP EXPANSION                          | RH RIGHT HAND                               |                              |
| EXP JT EXPANSION JOINT                 | ROW RIGHT OF WAY                            |                              |
| EXPD EXPOSED                           | R RISER                                     |                              |
| EXTR EXTERIOR                          | RD ROOF DRAIN                               |                              |
|  | RM ROOM                                     |                              |
|  | R.O. ROUGH OPENING                          |                              |
|  | RB RUBBER BASE                              |                              |
|  |   |                              |
| FOC FACE OF CONCRETE                   | SECT SECTION                                |                              |
| FOF FACE OF FINISH                     | SK SINK                                     |                              |
| FOS FACE OF STUD                       | SCHED SCHEDULE                              |                              |
| FR FIBERGLASS REINFORCED PANEL         | SHTG SHEATHING                              |                              |
| FIN FINISH OR FINISHED                 | SHT SHEET                                   |                              |
| FA FIRE ALARM                          | SV SHEET VINYL                              |                              |
| FE FIRE EXTINGUISHER                   | SHWR SHOWER                                 |                              |
| FEC FIRE EXTINGUISHER CABINET          | SIM SIMILAR                                 |                              |
| FHC FIRE HOSE CABINET                  | SC SEALED CONCRETE                          |                              |
| FRPF FIREPROOF                         | SPM SINGLE PLY MEMBRANE                     |                              |
| FB FLAT BAR STOCK                      | S SOUTH                                     |                              |
| FL FLOOR                               | SFRM SPRAY APPLIED FIRE RESISTIVE MATERIAL  |                              |
| FD FLOOR DRAIN                         | SPECIFICATION SPECIFICATION                 |                              |
| FLUOR FLUORESCENT                      | SQ SQUARE                                   |                              |
| FT FOOT OR FEET                        | S.S. STAINLESS STEEL                        |                              |
| FTG FOOTING                            | STD STANDARD                                |                              |
| FDN FOUNDATION                         | STA STATION                                 |                              |
| FRM FRAMING                            | STL STEEL                                   |                              |
| FRMG FRAMING                           | STOR STORAGE                                |                              |
| FS FULL SIZE                           | STRUCT STRUCTURE OR STRUCTURAL              |                              |
| FURR FURRING                           | SUSP SUSPENDED                              |                              |
| FUTR FUTURE                            | SAT SUSPENDED ACOUSTICAL TILE               |                              |
| FW FABRIC WALLCOVERING                 | SYM SYMMETRICAL                             |                              |
|  |   |                              |
| GA GAUGE                               |   |                              |
| GALV GALVANIZED                        |   |                              |
| GEN GENERAL                            |   |                              |
| GC GENERAL CONTRACTOR                  |   |                              |
| GTC GENERAL TRADES CONTRACTOR          |   |                              |
| GL GLASS OR GLAZING                    |   |                              |
| GD GRADE                               |   |                              |
| GND GROUND                             |   |                              |
| GYP BD GYPSUM BOARD                    |   |                              |

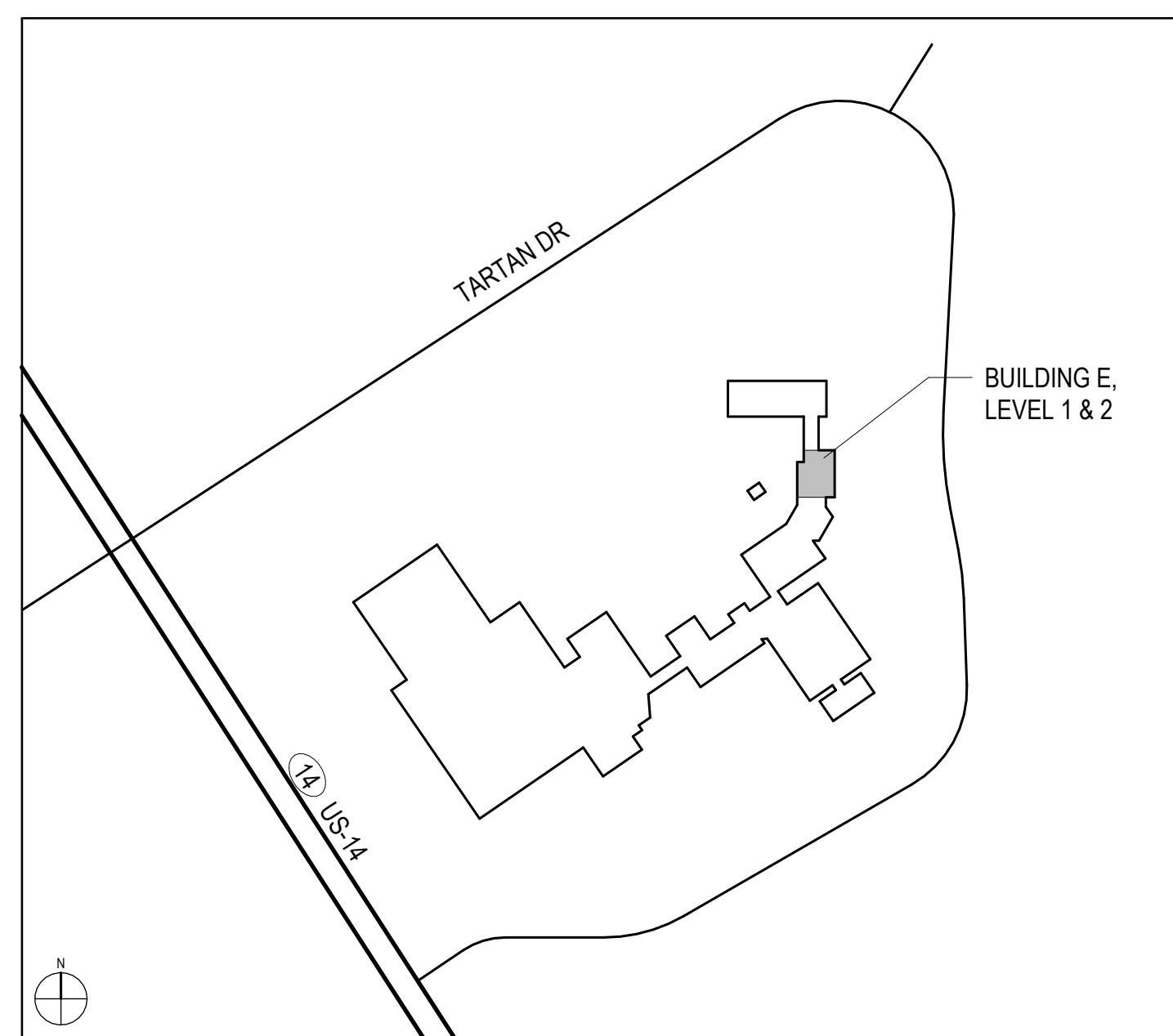
### STATE LOCATION MAP



### AREA MAP

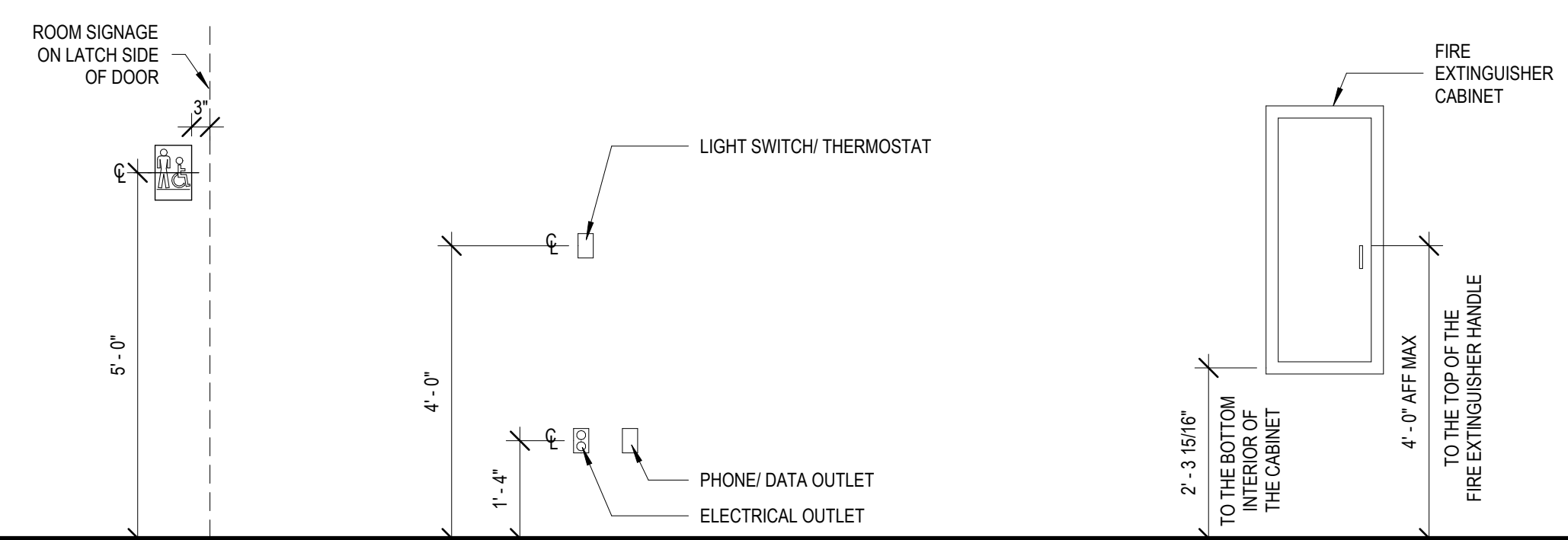


### CAMPUS MAP



### SHEET INDEX

|                 |   |
|-----------------|---|
| GENERAL         | G1.00 SHEET INDEX, ABBREVIATIONS, SYMBOLS & NOTES |
| ARCHITECTURAL   | A1.00 OVERALL FLOOR PLAN                          |
| AD1.10          | DEMOLITION PLANS                                  |
| AD2.10          | DEMOLITION RCPS                                   |
| A1.10           | FLOOR PLANS                                       |
| A2.10           | REFLECTED CEILING PLANS                           |
| A7.51           | PLAN AND CEILING DETAILS                          |
| A9.01           | INTERIOR ELEVATIONS                               |
| A9.51           | MILLWORK PLANS & DETAILS                          |
| A9.52           | MILLWORK SECTIONS                                 |
| A10.00          | DOOR SCHEDULE, WINDOW ELEV. & WALL TYPES          |
| A11.01          | FINISH PLAN                                       |
| MECHANICAL      | M0.00 HVAC COVERSHEET                             |
| M01.00          | OVERALL DEMOLITION PLANS - HVAC                   |
| M01.02          | DEMOLITION PLANS - HVAC                           |
| M1.10           | OVERALL FLOOR PLANS - HVAC                        |
| M1.11           | FLOOR PLANS - HVAC                                |
| M2.00           | HVAC DETAILS AND SCHEDULES                        |
| PLUMBING        | P0.00 PLUMBING COVERSHEET                         |
| P01.00          | OVERALL DEMOLITION UNDERFLOOR PLAN - PLUMBING     |
| P01.01          | OVERALL DEMOLITION PLANS - PLUMBING               |
| P01.02          | DEMOLITION PLANS - PLUMBING                       |
| P1.00           | OVERALL UNDERFLOOR PLAN - PLUMBING                |
| P1.01           | OVERALL FLOOR PLAN - PLUMBING                     |
| P1.02           | FLOOR PLANS - PLUMBING                            |
| P2.00           | PLUMBING DETAILS                                  |
| FIRE PROTECTION | F0.00 FIRE PROTECTION COVERSHEET                  |
| F01.01          | OVERALL DEMOLITION PLANS - FIRE PROTECTION        |
| F1.00           | OVERALL FLOOR PLANS - FIRE PROTECTION             |
| F2.00           | FIRE PROTECTION DETAILS AND SCHEDULES             |
| ELECTRICAL      | E0.00 ELECTRICAL COVERSHEET                       |
| E01.00          | OVERALL CAMPUS PLAN - ELECTRICAL                  |
| E1.00           | OVERALL FLOOR PLANS - ELECTRICAL                  |
| ED1.10          | DEMOLITION PLANS - ELECTRICAL                     |
| E1.10           | FLOOR PLANS - LIGHTING                            |
| E1.20           | FLOOR PLANS - POWER                               |
| E1.30           | FLOOR PLANS - SYSTEMS                             |
| E2.00           | ELECTRICAL DETAILS                                |
| E3.00           | ELECTRICAL ONE LINE DIAGRAM                       |
| E4.00           | ELECTRICAL SCHEDULES                              |
| TECHNOLOGY      | T0.00 TECHNOLOGY COVER SHEET                      |
| T01.00          | OVERALL DEMOLITION PLANS - TECHNOLOGY             |
| T01.01          | DEMOLITION PLANS - TECHNOLOGY                     |
| T1.00           | OVERALL FLOOR PLANS - TECHNOLOGY                  |
| T1.01           | FLOOR PLANS - TECHNOLOGY                          |
| T2.00           | TECHNOLOGY ENLARGED PLANS                         |
| T2.01           | TECHNOLOGY ENLARGED PLANS                         |
| T5.00           | TECHNOLOGY SCHEDULES                              |



NOTE: IN THE EVENT OF A CONFLICT BETWEEN DIMENSIONS SHOWN ON THIS DRAWING AND ANY OTHER ARCHITECTURAL, ELECTRICAL, OR MECHANICAL SHEETS OR SPECIFICATIONS, NOTIFY ARCHITECT OF DISCREPANCY.

KEY PLAN:

SHEET STATUS: 02/18/2025

**ISSUED FOR BID - NOT FOR CONSTRUCTION**

| NO. | DESCRIPTION: | DATE: |
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SHEET TITLE:  
**SHEET INDEX, ABBREVIATIONS, SYMBOLS & NOTES**

SHEET NUMBER:  
**G1.00**

| NO. | DESCRIPTION: | DATE: |
|-----|--------------|-------|
|     |              |       |
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|     |              |       |
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**DEMO RCP SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- HATCH INDICATES AREA NOT IN SCOPE
- GYPSUM BOARD OR PLASTER PARTITION TO BE REMOVED
- FRAME AND DOOR TO BE REMOVED, SALVAGE HARDWARE TO OWNER
- SUSPENDED ACOUSTICAL TILE CEILING TO BE REMOVED
- SUSPENDED ACOUSTICAL TILE CEILING TO REMAIN
- GYPSUM BOARD OR PLASTER CEILING TO BE REMOVED
- GYPSUM BOARD OR PLASTER CEILING TO REMAIN
- RECESSED 2x2 LAY-IN LIGHT FIXTURE TO BE REMOVED
- RECESSED 2x2 LAY-IN LIGHT FIXTURE TO REMAIN
- RECESSED 2x4 LAY-IN LIGHT FIXTURE TO BE REMOVED
- RECESSED 2x4 LAY-IN LIGHT FIXTURE TO REMAIN
- RECESSED 2x2 LAY-IN LIGHT FIXTURE TO REMAIN
- LINEAR LIGHT FIXTURE TO BE REMOVED
- REMOVE MOTORIZED SCREEN - SALVAGE TO OWNER
- REMOVE CEILING MOUNTED PROJECTOR - SALVAGE TO OWNER
- RETURN AIR GRILLE TO REMAIN
- SUPPLY AIR GRILLE TO REMAIN

**DEMO GENERAL NOTES:**

1. PRIOR TO AND DURING ANY DEMOLITION THE CONTRACTOR SHALL VERIFY AND MAINTAIN THE BUILDING'S STRUCTURAL INTEGRITY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AS REQUIRED TO INSTALL ALL NEW WORK. REPAIR, PATCH AND FINISH EXISTING FLOORS, WALLS AND CEILINGS DESIGNATED TO REMAIN TO MATCH EXISTING CONDITIONS.
3. REMOVE ALL HANGERS, SUSPENSION SYSTEMS, SUPPORT FRAMING, EQUIPMENT PADS, ANCHORS, ATTACHMENT HARDWARE AND RELATED APPURTENANCES CONNECTED WITH THE WORK TO BE DEMOLISHED. IF COMPLETE REMOVAL IS NOT POSSIBLE, CUT DEVICES AS CLOSE AS POSSIBLE TO ADJOINING SURFACES OR ORIGIN OF SUPPORT.
4. DURING THE BIDDING PERIOD, EACH BIDDING CONTRACTOR SHALL VISIT THE SITE AND THE FACILITY TO DETERMINE EXISTING CONDITIONS. CONTRACTOR'S FAILURE TO REASONABLY DETERMINE AND/OR ANTICIPATE THE EFFECT OF EXISTING CONDITIONS AND THE WORK INVOLVED THEREBY SHALL NOT BE JUSTIFICATION FOR ADDITIONAL COMPENSATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
5. ALL MATERIALS, EQUIPMENT, FIXTURES, SYSTEMS, AND ACCESSORIES WHICH ARE TO REMAIN IN SERVICE SHALL BE CLEANED, REPAIRED, ADJUSTED AND PLACED INTO PROPER OPERATIONS IN ALL MODES WITH THE ORIGINAL SYSTEM.
6. WHEN TEMPORARY SHORING AND BRACING IS REQUIRED, CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A PROFESSIONAL ENGINEER, LICENSED TO PRACTICE IN THE STATE WHERE THE PROJECT IS LOCATED, TO DESIGN AND PREPARE DETAILED DRAWINGS.
7. CONTRACTOR SHALL COORDINATE SCHEDULE OF DEMOLITION WORK WITH THE OVERALL PHASING PLAN. ALL AREAS SURROUNDING EACH PHASE OF DEMOLITION/CONSTRUCTION WILL BE OCCUPIED BY THE OWNER DURING THE OWNER'S NORMAL BUSINESS HOURS. DEMOLITION WORK SHALL NOT ENCUMBER THE USE OF EXISTING ADJACENT SPACES.
8. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE GENERAL DEMOLITION AND REMODELING WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS IN SERVICE IN ORDER TO PROVIDE FOR THE TIMELY REMOVAL AND/OR RELOCATION OF EQUIPMENT, PIPING, ETC.
9. REMOVE ALL ABANDONED CONDUIT BOXES, CONDUCTORS, TELEPHONE LINES, ELECTRIC PANELS, AND ANY OTHER MISCELLANEOUS EQUIPMENT NOT REQUIRED FOR THE NEW FACILITY.
10. REMOVE ALL RECESSED FLOOR BOXES, WALKER DUCTS, FLOOR SINKS, HUB DRAINS, ELECTRICAL RECEPTACLES, ETC. AND FILL VOIDS AS REQUIRED.
11. REMOVE ALL DOOR STOPS AT ASSOCIATED DOORS TO BE DEMOLISHED.
12. NO TOXIC SUBSTANCES HAVE BEEN NOTED ON THE SITE. SHOULD THE CONTRACTOR ENCOUNTER ANY ASBESTOS, ASBESTOS PRODUCTS, PCBs OR OTHER TOXIC SUBSTANCES, THE CONTRACTOR SHOULD REPORT THIS IMMEDIATELY TO THE OWNER IN WRITING PRIOR TO CONTINUING WORK IN THIS AREA. WORK SHALL NOT BE RESUMED EXCEPT BY WRITTEN AUTHORIZATION OR AGREEMENT.
13. ALL CONSTRUCTION DEBRIS AND EXCESS MATERIAL IS TO BE REMOVED BY THE CONTRACTOR AT THE END OF EACH WORK DAY. THE JOB SITE IS TO BE LEFT SUFFICIENTLY CLEAN AS TO WARRANT OWNER'S APPROVAL.
14. CONTRACTOR SHALL SALVAGE ALL EXISTING CEILING TILES FOR POSSIBLE REUSE OR AS EXTRA STOCK FOR OWNER. SALVAGE ONLY UN-CUT TILES WITH NO VISIBLE DAMAGE. ONCE REMOVED, OWNER AND ARCHITECT WILL FIELD REVIEW AND APPROVE SALVAGED TILES PRIOR TO REUSE OR STORAGE.

**DEMO RCP REFERENCED NOTES:**

**FLOOR DEMOLITION KEYED NOTES**

- F1. REMOVE EXISTING FLOOR BOX COVER AND ALL ASSOCIATED WIRING AND DEVICES. LEAVE FLOOR BOX AND UNDERFLOOR RACEWAY INTACT. PROVIDE A HEAVY GAUGE PLATE OVER EXISTING FLOOR BOX AND ATTACH TO ADJACENT FLOOR SLAB. PREP AS REQUIRED FOR NEW FLOOR FINISHES.
- F2. REMOVE EXISTING POWER (DATA) VERTICAL UTILITY CHASE, INCLUDING ALL WIRING AND MOUNTING ACCESSORIES COMPLETE.
- F3. REMOVE CARPET, BACKER, TRANSITIONS, RESILIENT BASE AND ALL ADHESIVES COMPLETE. CLEAN AND PREP FLOOR AREA FOR NEW FLOOR FINISH.
- F4. REMOVE RESILIENT FLOORING, TRANSITIONS, RESILIENT BASE AND ALL ADHESIVES COMPLETE. CLEAN AND PREP AS REQUIRED FOR NEW FLOOR FINISH.

**WALL DEMOLITION KEYED NOTES**

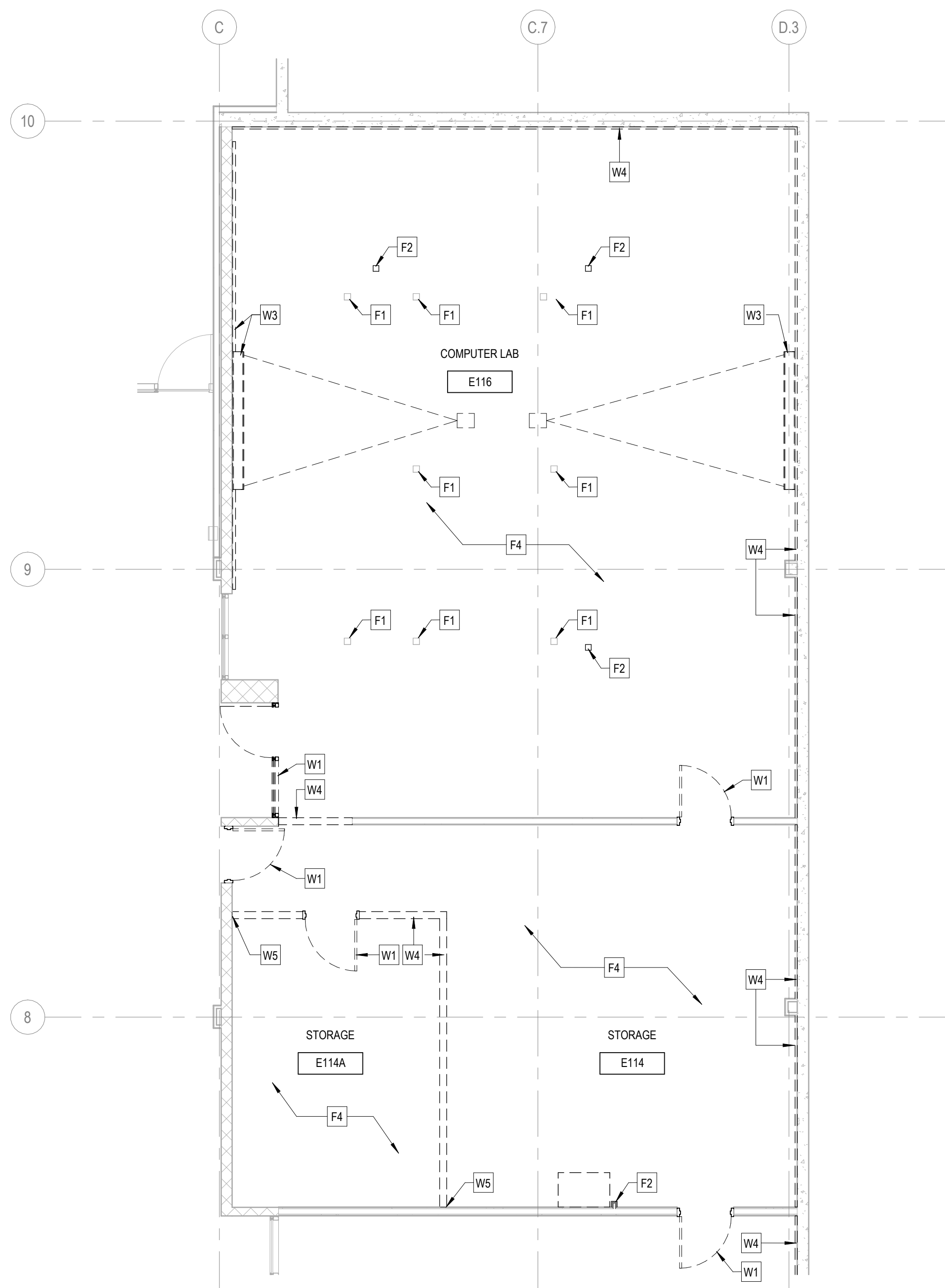
- W1. REMOVE HOLLOW METAL DOOR AND WINDOW SYSTEM COMPLETE.
- W2. REMOVE HOLLOW METAL WINDOW SYSTEM AND ASSOCIATED GLAZING AND THE GYP SUPPORT WALL BELOW COMPLETE. PREP REMAINING WALL HEADER / JAMBS FOR NEW WORK.
- W3. REMOVE EXISTING MARKERBOARD, CORK BOARD, PROJECTOR SCREEN, OR MISC WALL MOUNTED SHELVEING COMPLETE. PATCH AND PREP EXISTING WALL AS REQUIRED FOR NEW WORK.
- W4. REMOVE GYP / MTL. STUD PARTITION TO EXTENTS INDICATED. RELOCATE ANY PIPING OR WIRING FEEDING ANY EXISTING TO REMAIN DEVICES OR FIXTURES. PATCH AND PREP ADJACENT WALLS TO REMAIN FOR NEW WORK.
- W4A. REMOVE PORTION OF MTL. STUD WALL AS REQUIRED FOR NEW OPENING.
- W5. PATCH EXISTING WALL AS REQUIRED FOR NEW WORK.
- W6. PROVIDE FULL HEIGHT DUST-PARTITION AT CORRIDOR TO EXTENTS INDICATED. INSTALL FOR THE DURATION OF CONSTRUCTION.

**CEILING DEMOLITION KEYED NOTES**

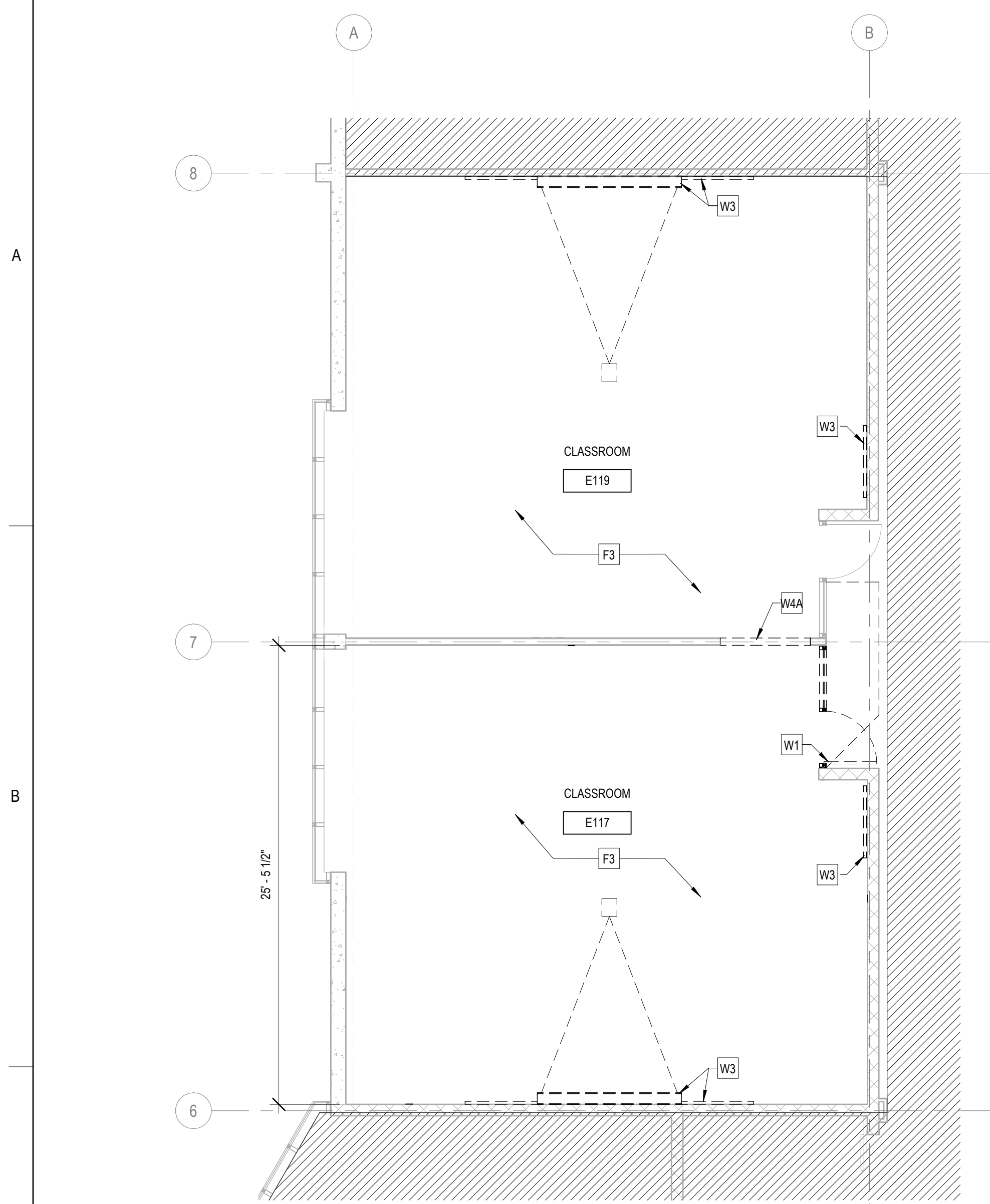
- C1. REMOVE EXISTING SUSPENDED CEILING SYSTEM COMPLETE, INCLUDING ALL ACCESSORIES, SUSPENSION WIRES, CLIPS, ETC. TO EXTENTS SHOWN.
- C2. EXISTING CEILING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION AND TIE INTO NEW CEILING SYSTEM AS REQUIRED.
- C3. REMOVE EXISTING BLINDS COMPLETE. PREP WALL / CEILING AS REQUIRED FOR NEW WORK.
- C4. REMOVE EXISTING CEILING TILES AND MODIFY EXISTING GRID AS REQUIRED FOR NEW WORK (REFER TO RCP / ELEC).
- C5. REMOVE EXISTING SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLE.
- C6. EXISTING RADIANT HEATING TILE SYSTEM TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
- C7. REMOVE SPEAKER AND SALVAGE FOR REINSTALLATION IN NEW WORK (REFER TO ELEC.).
- C8. REMOVE AND SALVAGE EXISTING CEILING LIGHTING FOR REINSTALLATION. LEAVE GRID INTACT AND PROTECT AS REQUIRED FOR NEW WORK.

**MISCELLANEOUS DEMOLITION KEYED NOTES**

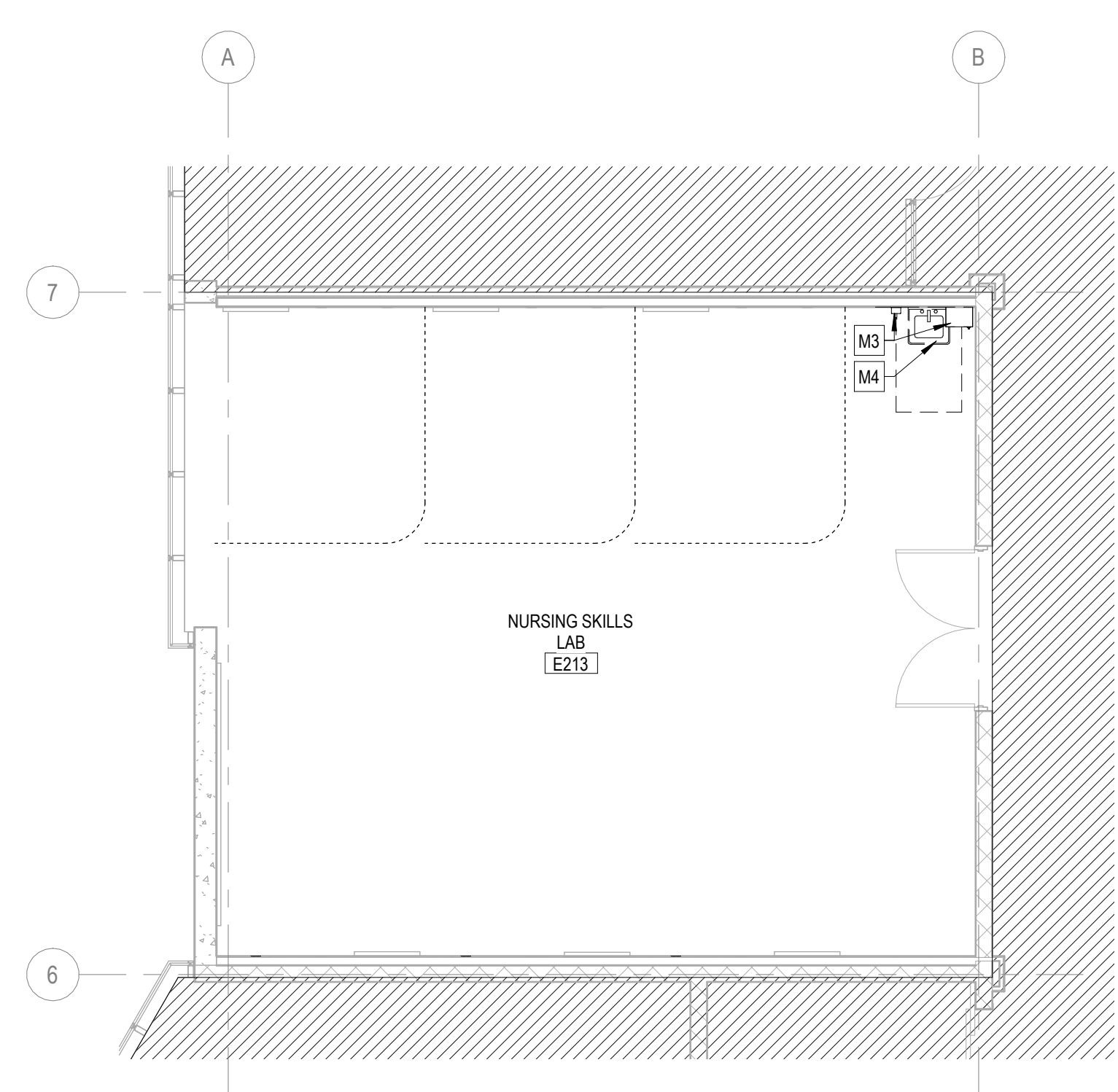
- M1. REMOVE EXISTING COUNTERTOPS, SHELVES, BOOKCASES, AND BASE CABINETS COMPLETE.
- M2. NOT USED.
- M3. REMOVE PAPER TOWEL / SOAP DISPENSER AND TURN OVER TO OWNER.
- M4. REMOVE SINK AND ASSOCIATED PLUMBING COMPLETE. REFER TO NEW WORK FOR EXTENT OF REMOVAL REQUIRED.
- M5. REMOVE WALL MOUNTED RACEWAY COMPLETE - PREP WALL FOR NEW WORK.



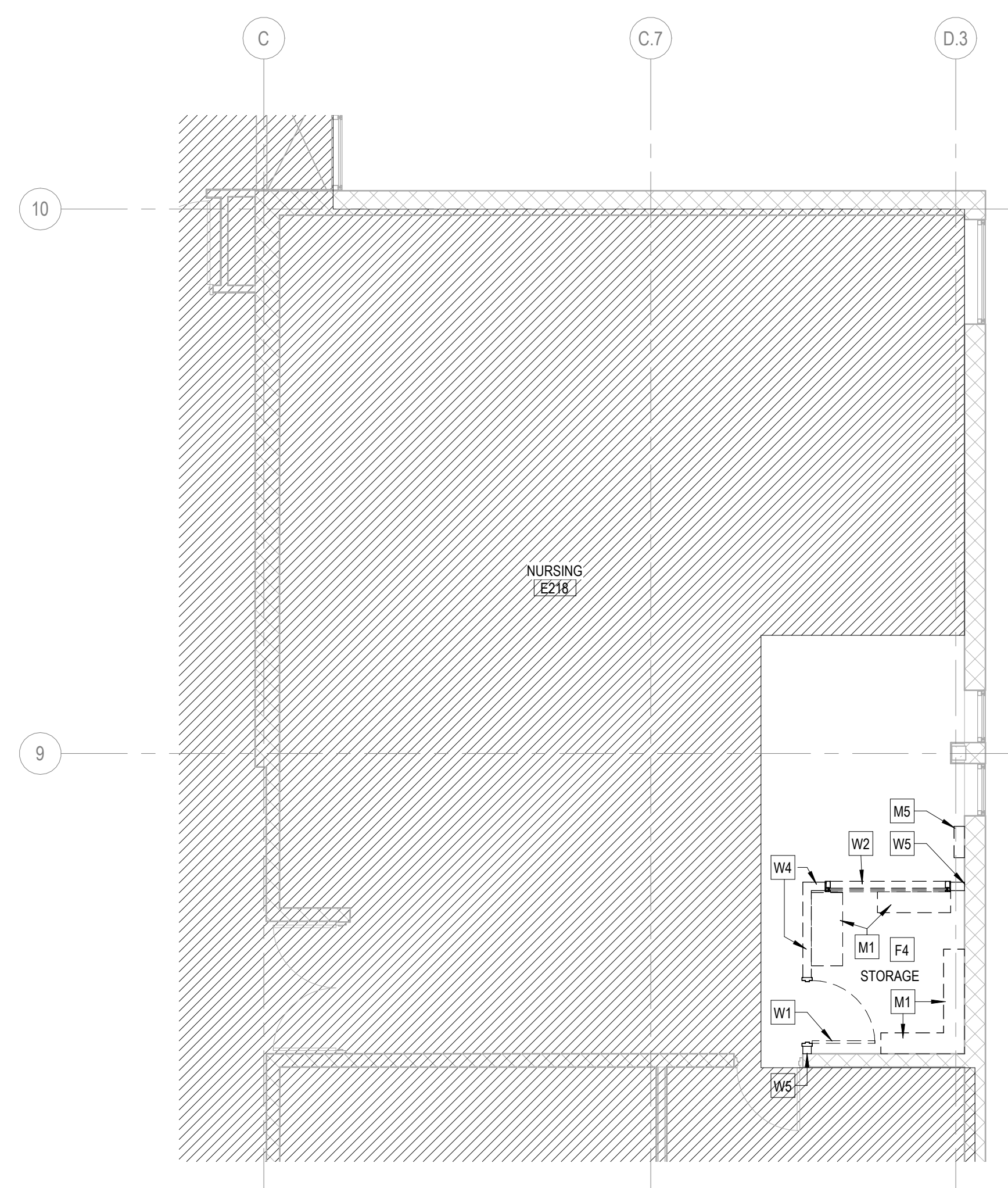
**2 DEMO PLAN - LEVEL 1 - RADIOLOGY**  
 3/16" = 1'-0"



**1 DEMO PLAN - LEVEL 1 - RESPIRATORY**  
 3/16" = 1'-0"



**4 DEMO PLAN - LEVEL 2 - NURSING SKILLS**  
 3/16" = 1'-0"



**3 DEMO PLAN - LEVEL 2 - NURSING**  
 3/16" = 1'-0"



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**DEMO RCP SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- HATCH INDICATES AREA NOT IN SCOPE
- GYPSUM BOARD OR PLASTER PARTITION TO BE REMOVED
- FRAME AND DOOR TO BE REMOVED, SALVAGE HARDWARE TO OWNER
- SUSPENDED ACOUSTICAL TILE CEILING TO BE REMOVED
- SUSPENDED ACOUSTICAL TILE CEILING TO REMAIN
- GYPSUM BOARD OR PLASTER CEILING TO BE REMOVED
- GYPSUM BOARD OR PLASTER CEILING TO REMAIN
- RECESSED 2x4 LAY-IN LIGHT FIXTURE TO BE REMOVED
- RECESSED 2x2 LAY-IN LIGHT FIXTURE TO BE REMOVED
- RECESSED 2x4 LAY-IN LIGHT FIXTURE TO REMAIN
- RECESSED 2x2 LAY-IN LIGHT FIXTURE TO REMAIN
- LINEAR LIGHT FIXTURE TO BE REMOVED
- REMOVE MOTORIZED SCREEN - SALVAGE TO OWNER
- REMOVE CEILING MOUNTED PROJECTOR - SALVAGE TO OWNER
- RETURN AIR GRILLE TO REMAIN
- SUPPLY AIR GRILLE TO REMAIN

**DEMO GENERAL NOTES:**

1. PRIOR TO AND DURING ANY DEMOLITION THE CONTRACTOR SHALL VERIFY AND MAINTAIN THE BUILDING'S STRUCTURAL INTEGRITY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AS REQUIRED TO INSTALL ALL NEW WORK. REPAIR, PATCH AND FINISH EXISTING FLOORS, WALLS AND CEILINGS DESIGNATED TO REMAIN TO MATCH EXISTING CONDITIONS.
3. REMOVE ALL HANGERS, SUSPENSION SYSTEMS, SUPPORT FRAMING, EQUIPMENT PADS, ANCHORS, ATTACHMENT HARDWARE AND RELATED APPURTENANCES CONNECTED WITH THE WORK TO BE DEMOLISHED. IF COMPLETE REMOVAL IS NOT POSSIBLE, CUT DEVICES AS CLOSE AS POSSIBLE TO ADJOINING SURFACES OR ORIGIN OF SUPPORT.
4. DURING THE BIDDING PERIOD, EACH BIDDING CONTRACTOR SHALL VISIT THE SITE AND THE FACILITY TO DETERMINE EXISTING CONDITIONS. CONTRACTOR'S FAILURE TO REASONABLY DETERMINE AND/OR ANTICIPATE THE EFFECT OF EXISTING CONDITIONS AND THE WORK INVOLVED THEREBY SHALL NOT BE JUSTIFICATION FOR ADDITIONAL COMPENSATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
5. ALL MATERIALS, EQUIPMENT, FIXTURES, SYSTEMS, AND ACCESSORIES WHICH ARE TO REMAIN IN SERVICE SHALL BE CLEANED, REPAIRED, ADJUSTED AND PLACED INTO PROPER OPERATIONS IN ALL MODES WITH THE ORIGINAL SYSTEM.
6. WHEN TEMPORARY SHORING AND BRACING IS REQUIRED, CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A PROFESSIONAL ENGINEER, LICENSED TO PRACTICE IN THE STATE WHERE THE PROJECT IS LOCATED, TO DESIGN AND PREPARE DETAILED DRAWINGS.
7. CONTRACTOR SHALL COORDINATE SCHEDULE OF DEMOLITION WORK WITH THE OVERALL PHASING PLAN. ALL AREAS SURROUNDING EACH PHASE OF DEMOLITION/CONSTRUCTION WILL BE OCCUPIED BY THE OWNER DURING THE OWNER'S NORMAL BUSINESS HOURS. DEMOLITION WORK SHALL NOT ENCUMBER THE USE OF EXISTING ADJACENT SPACES.
8. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE GENERAL DEMOLITION AND REMODELING WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS IN SERVICE IN ORDER TO PROVIDE FOR THE TIMELY REMOVAL AND/OR RELOCATION OF EQUIPMENT, PIPING, ETC.
9. REMOVE ALL ABANDONED CONDUIT BOXES, CONDUCTORS, TELEPHONE LINES, ELECTRIC PANELS, AND ANY OTHER MISCELLANEOUS EQUIPMENT NOT REQUIRED FOR THE NEW FACILITY.
10. REMOVE ALL RECESSED FLOOR BOXES, WALKER DUCTS, FLOOR SINKS, HUB DRAINS, ELECTRICAL RECEPTACLES, ETC. AND FILL VOIDS AS REQUIRED.
11. REMOVE ALL DOOR STOPS AT ASSOCIATED DOORS TO BE DEMOLISHED.
12. NO TOXIC SUBSTANCES HAVE BEEN NOTED ON THE SITE. SHOULD THE CONTRACTOR ENCOUNTER ANY ASBESTOS, ASBESTOS PRODUCTS, PCBs OR OTHER TOXIC SUBSTANCES, THE CONTRACTOR SHOULD REPORT THIS IMMEDIATELY TO THE OWNER IN WRITING PRIOR TO CONTINUING WORK IN THIS AREA. WORK SHALL NOT BE RESUMED EXCEPT BY WRITTEN AUTHORIZATION OR AGREEMENT.
13. ALL CONSTRUCTION DEBRIS AND EXCESS MATERIAL IS TO BE REMOVED BY THE CONTRACTOR AT THE END OF EACH WORK DAY. THE JOB SITE IS TO BE LEFT SUFFICIENTLY CLEAN AS TO WARRANT OWNER'S APPROVAL.
14. CONTRACTOR SHALL SALVAGE ALL EXISTING CEILING TILES FOR POSSIBLE REUSE OR AS EXTRA STOCK FOR OWNER. SALVAGE ONLY UN-CUT TILES WITH NO VISIBLE DAMAGE. ONCE REMOVED, OWNER AND ARCHITECT WILL FIELD REVIEW AND APPROVE SALVAGED TILES PRIOR TO REUSE OR STORAGE.

**DEMO RCP REFERENCED NOTES:**

**FLOOR DEMOLITION KEYED NOTES**

- F1. REMOVE EXISTING FLOOR BOX COVER AND ALL ASSOCIATED WIRING AND DEVICES. LEAVE FLOOR BOX AND UNDERFLOOR RACEWAY INTACT. PROVIDE A HEAVY GAUGE PLATE OVER EXISTING FLOOR BOX AND ATTACH TO ADJACENT FLOOR SLAB. PREP AS REQUIRED FOR NEW FLOOR FINISHES.
- F2. REMOVE EXISTING POWER (DATA) VERTICAL UTILITY CHASE, INCLUDING ALL WIRING AND MOUNTING ACCESSORIES COMPLETE.
- F3. REMOVE CARPET, BACKER, TRANSITIONS, RESILIENT BASE AND ALL ADHESIVES COMPLETE. CLEAN AND PREP FLOOR AREA FOR NEW FLOOR FINISH.
- F4. REMOVE RESILIENT FLOORING, TRANSITIONS, RESILIENT BASE AND ALL ADHESIVES COMPLETE. CLEAN AND PREP AS REQUIRED FOR NEW FLOOR FINISH.

**WALL DEMOLITION KEYED NOTES**

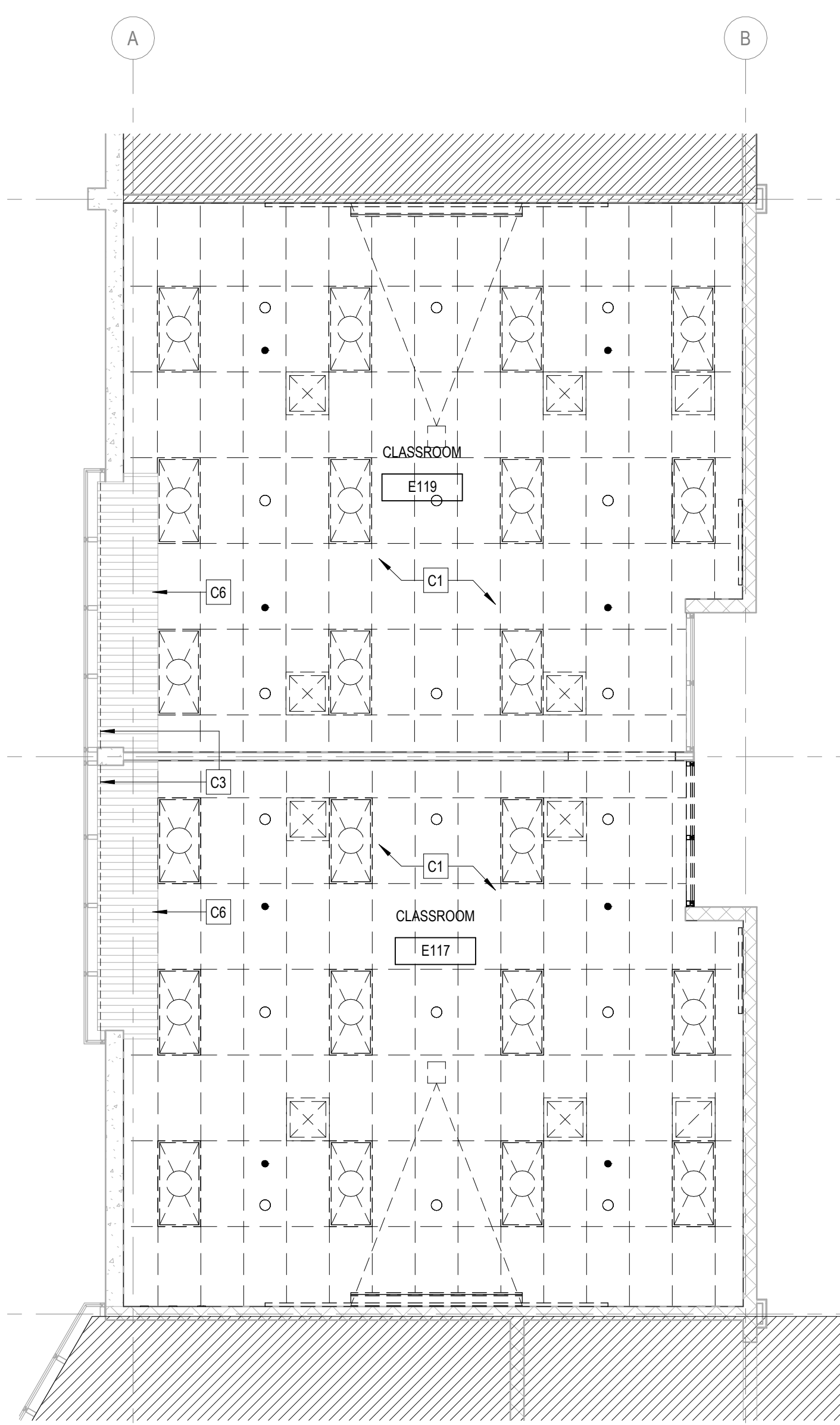
- W1. REMOVE HOLLOW METAL DOOR AND WINDOW SYSTEM COMPLETE.
- W2. REMOVE HOLLOW METAL WINDOW SYSTEM AND ASSOCIATED GLAZING AND THE GYP SUPPORT WALL BELOW COMPLETE. PREP REMAINING WALL HEADER / JAMBS FOR NEW WORK.
- W3. REMOVE EXISTING MARKERBOARD, CORK BOARD, PROJECTOR SCREEN OR MISC WALL MOUNTED SHELVING COMPLETE. PATCH AND PREP EXISTING WALL AS REQUIRED FOR NEW WORK.
- W4. REMOVE GYP / MTL. STUD PARTITION TO EXTENTS INDICATED. RELOCATE ANY PIPING OR WIRING FEEDING ANY EXISTING TO REMAIN DEVICES OR FIXTURES. PATCH AND PREP ADJACENT WALLS TO REMAIN FOR NEW WORK.
- W4A. REMOVE PORTION OF MTL. STUD WALL AS REQUIRED FOR NEW OPENING.
- W5. PATCH EXISTING WALL AS REQUIRED FOR NEW WORK.
- W6. PROVIDE FULL HEIGHT DUST-PARTITION AT CORRIDOR TO EXTENTS INDICATED. INSTALL FOR THE DURATION OF CONSTRUCTION.

**CEILING DEMOLITION KEYED NOTES**

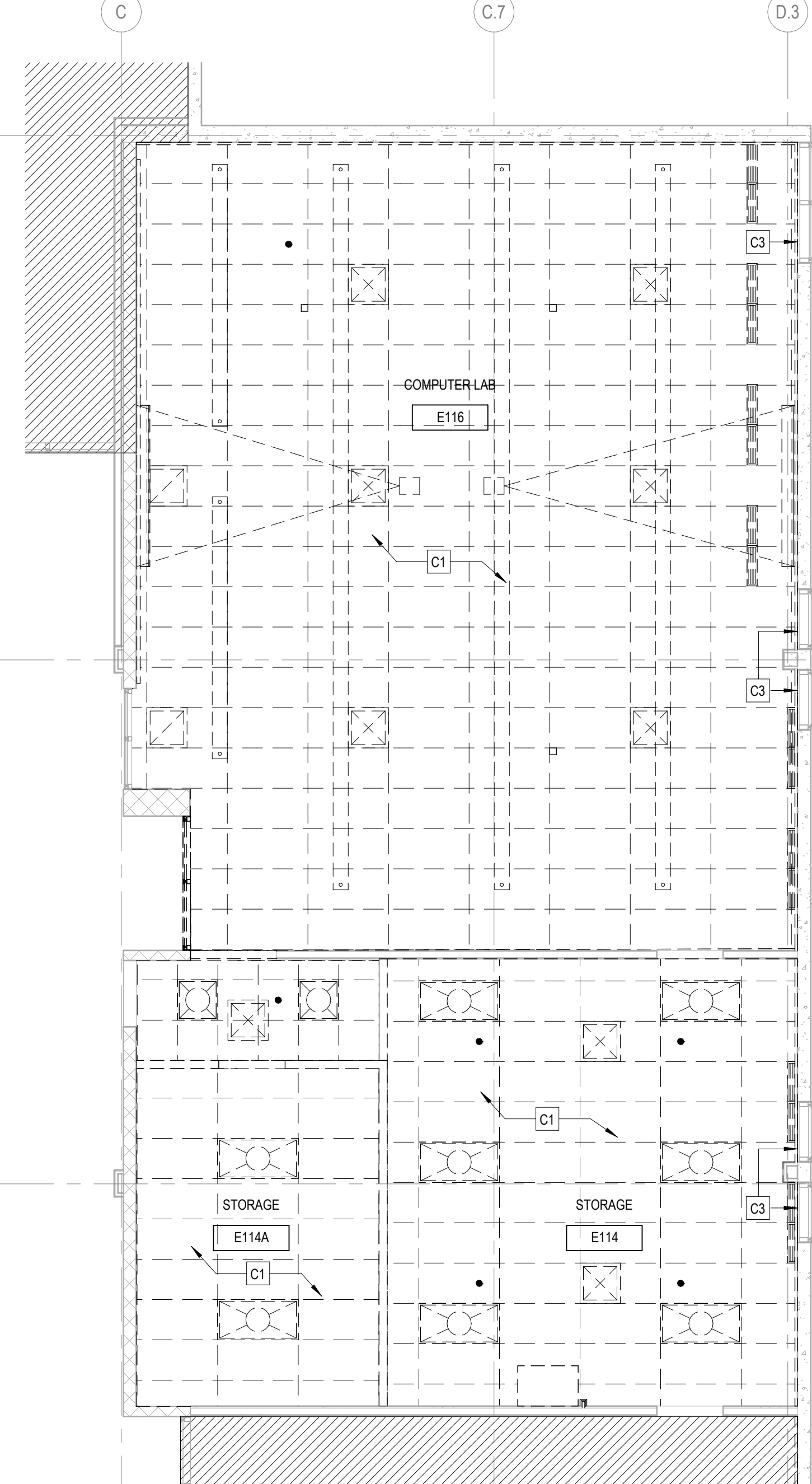
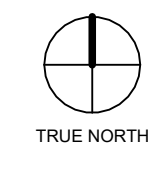
- C1. REMOVE EXISTING SUSPENDED CEILING SYSTEM COMPLETE, INCLUDING ALL ACCESSORIES, SUSPENSION WIRES, CLIPS, ETC. TO EXTENTS SHOWN.
- C2. EXISTING CEILING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION AND TIE INTO NEW CEILING SYSTEM AS REQUIRED.
- C3. REMOVE EXISTING BLINDS COMPLETE. PREP WALL / CEILING AS REQUIRED FOR NEW WORK.
- C4. REMOVE EXISTING CEILING TILES AND MODIFY EXISTING GRID AS REQUIRED FOR NEW WORK (REFER TO RCP / ELEC).
- C5. REMOVE EXISTING SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLE.
- C6. EXISTING RADIANT HEATING TILE SYSTEM TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
- C7. REMOVE SPEAKER AND SALVAGE FOR REINSTALLATION IN NEW WORK (REFER TO ELEC.).
- C8. REMOVE AND SALVAGE EXISTING CEILING LIGHTING FOR REINSTALLATION. LEAVE GRID INTACT AND PROTECT AS REQUIRED FOR NEW WORK.

**MISCELLANEOUS DEMOLITION KEYED NOTES**

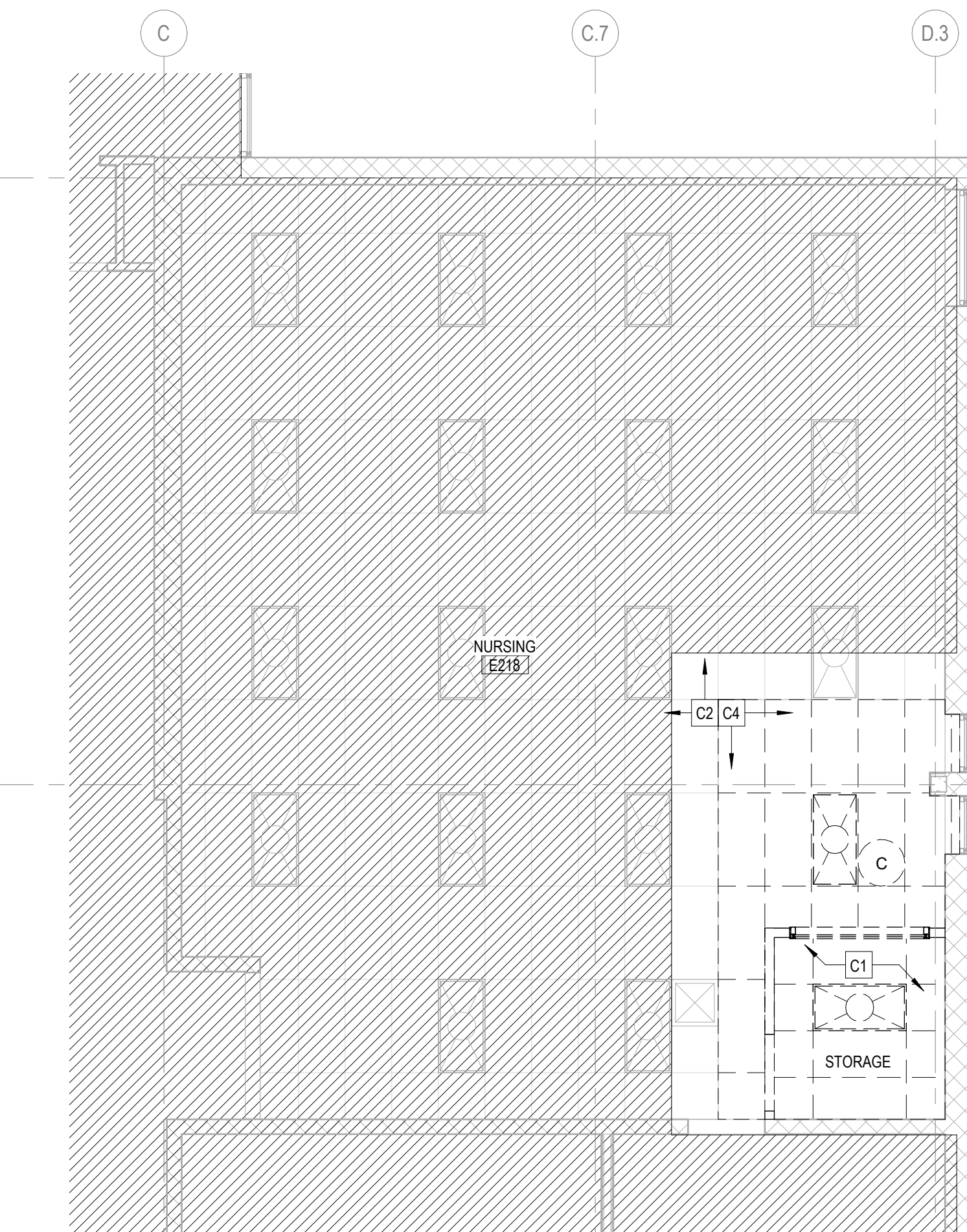
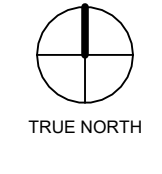
- M1. REMOVE EXISTING COUNTERTOPS, SHELVES, BOOKCASES, AND BASE CABINETS COMPLETE.
- M2. NOT USED.
- M3. REMOVE PAPER TOWEL / SOAP DISPENSER AND TURN OVER TO OWNER.
- M4. REMOVE SINK AND ASSOCIATED PLUMBING COMPLETE. REFER TO NEW WORK FOR EXTENT OF REMOVAL REQUIRED.
- M5. REMOVE WALL MOUNTED RACEWAY COMPLETE - PREP WALL FOR NEW WORK.



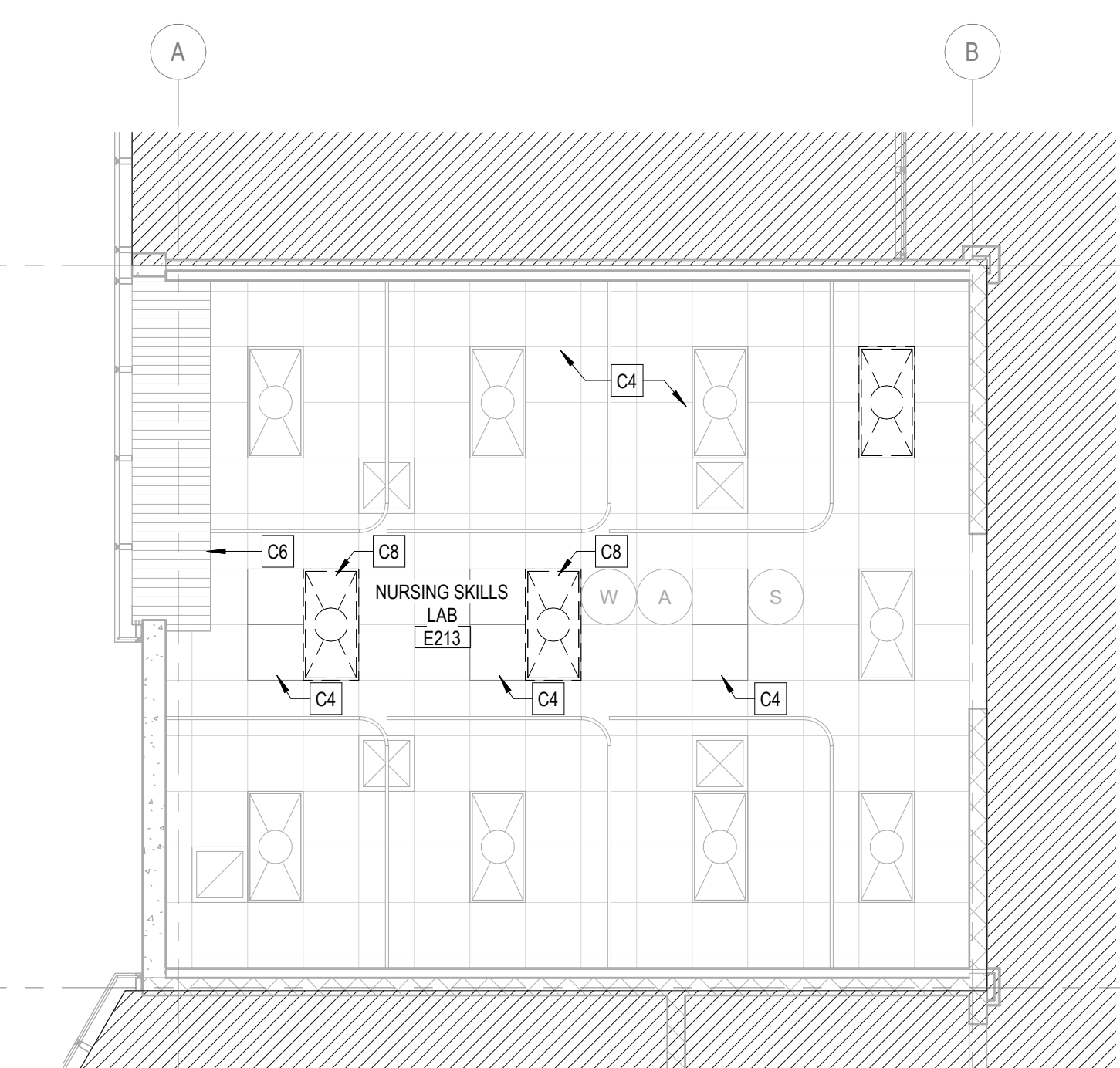
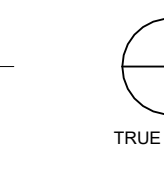
1 REFLECTED CEILING PLAN - LEVEL 1 - RESPIRATORY  
 3/16" = 1'-0"



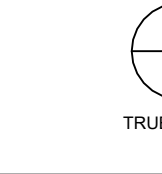
2 REFLECTED CEILING PLAN - LEVEL 1 - RADIOLOGY  
 3/16" = 1'-0"



3 DEMO PLAN - LEVEL 2 - NURSING  
 3/16" = 1'-0"



4 DEMO PLAN - LEVEL 2 - NURSING SKILLS  
 3/16" = 1'-0"







ARCHITECT OF  
**DEMÓNICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

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 1100 WARRENVILLE RD., SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032

KEY PLAN:

SHEET STATUS: 02/18/2025  
**ISSUED FOR BID - NOT FOR CONSTRUCTION**

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SHEET TITLE:  
**OVERALL FLOOR PLAN**

SHEET NUMBER:  
**A1.00**



**1 OVERALL FLOOR PLAN - LEVEL 1**  
 3/32" = 1'-0"

**2 OVERALL FLOOR PLAN - LEVEL 2**  
 3/32" = 1'-0"



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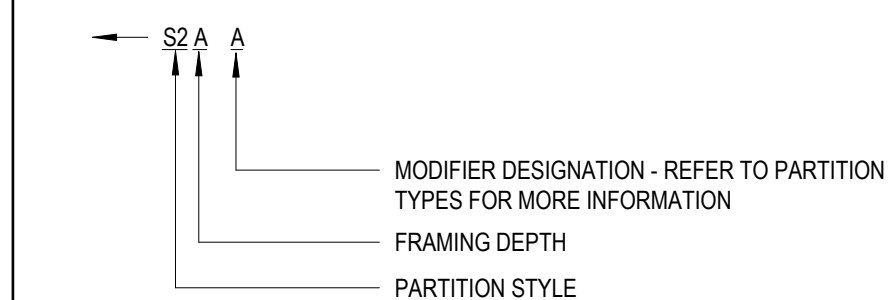
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SHEET TITLE:  
**FLOOR PLANS**

SHEET NUMBER:  
**A1.10**

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**PARTITION TYPE LEGEND**

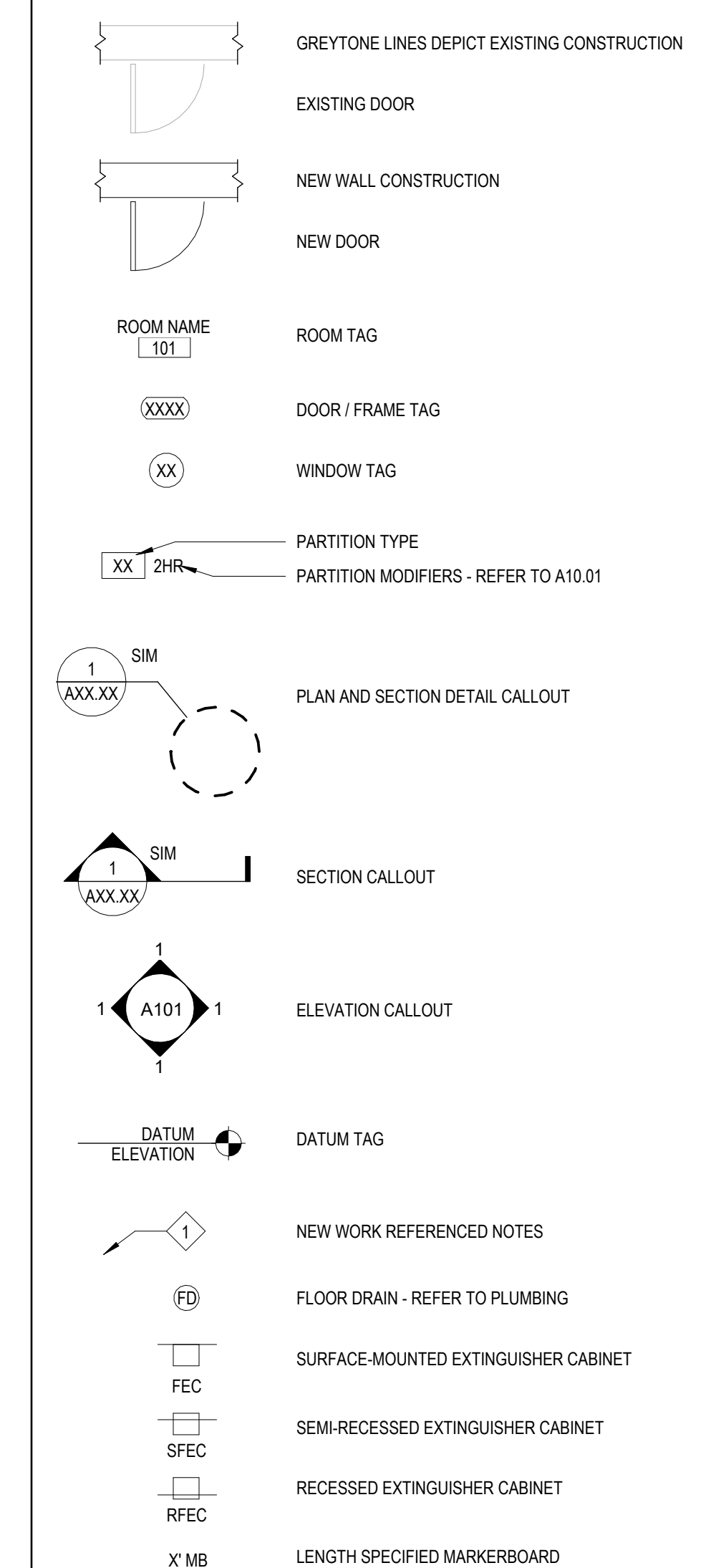


**PARTITION TYPE GENERAL NOTES:**

- ALL INTERIOR PARTITIONS SHALL BE TYPE S1A (U.N.O.)
- ALL GYP BD ENCLOSURES AROUND COLUMNS SHALL BE TYPE S2D (U.N.O.)
- PROVIDE SOLID FIRE RETARDANT TREATED WOOD BLOCKING, FLAT METAL STRAPS, OR METAL BACKING PLATES AT ALL WALL MOUNTED FIXTURES AND ACCESSORIES, INCLUDING BUT NOT LIMITED TO, DOOR STOPS, MILLWORK, DIGITAL DISPLAYS, VISUAL DISPLAY BOARDS, TOILET PARTITIONS, AND SIMILAR CONDITIONS.
- PROVIDE MOISTURE RESISTANT GYP BD AT ALL PLUMBING PARTITIONS NOT SCHEDULED TO RECEIVE TILE.
- SEE SPECIFICATIONS FOR ORIENTATION OF GYP BD PANELS, SIZING, AND SPACING OF METAL STUD FRAMING.
- SEE SPECIFICATIONS FOR TYPE AND SPACING OF CMU HORIZONTAL JOINT REINFORCEMENT.
- SEE INTERIOR ELEVATIONS FOR ANY GYP BD REVEAL PATTERNS.
- FIRE-RESISTANCE RATED SEPARATIONS
  - SEE CODE COMPLIANCE PLANS FOR LOCATIONS AND TYPES OF FIRE RESISTANCE-RATED SEPARATIONS.
  - AT SMOKE PARTITIONS, FIRE PARTITIONS AND FIRE BARRIERS, WALL ASSEMBLY CONSTRUCTION SHALL EXTEND FROM TOP OF FLOOR TO THE UNDERSIDE OF THE FLOOR, ROOF SLAB, OR DECK ABOVE.
- ALL PARTITIONS SHALL HAVE THE FOLLOWING PERMANENTLY AFFIXED MARKINGS AND IDENTIFICATION:
  - 1/2" HIGH LETTERING, INDICATING RATINGS AND FIRE RESISTANCE RATED PARTITION TYPE, IE "2 HR FIRE WALL" OR "1 HR FIRE BARRIER," AND SHALL ALSO INCLUDE THE FOLLOWING SUFFIX: "PROTECT ALL OPENINGS AND PENETRATIONS"
  - LOCATE LETTERING ABOVE ACCESSIBLE CEILING AT INTERVALS NOT TO EXCEED 30'-0". THERE SHOULD BE A MINIMUM OF ONE MARKING PER WALL, PER ROOM.

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

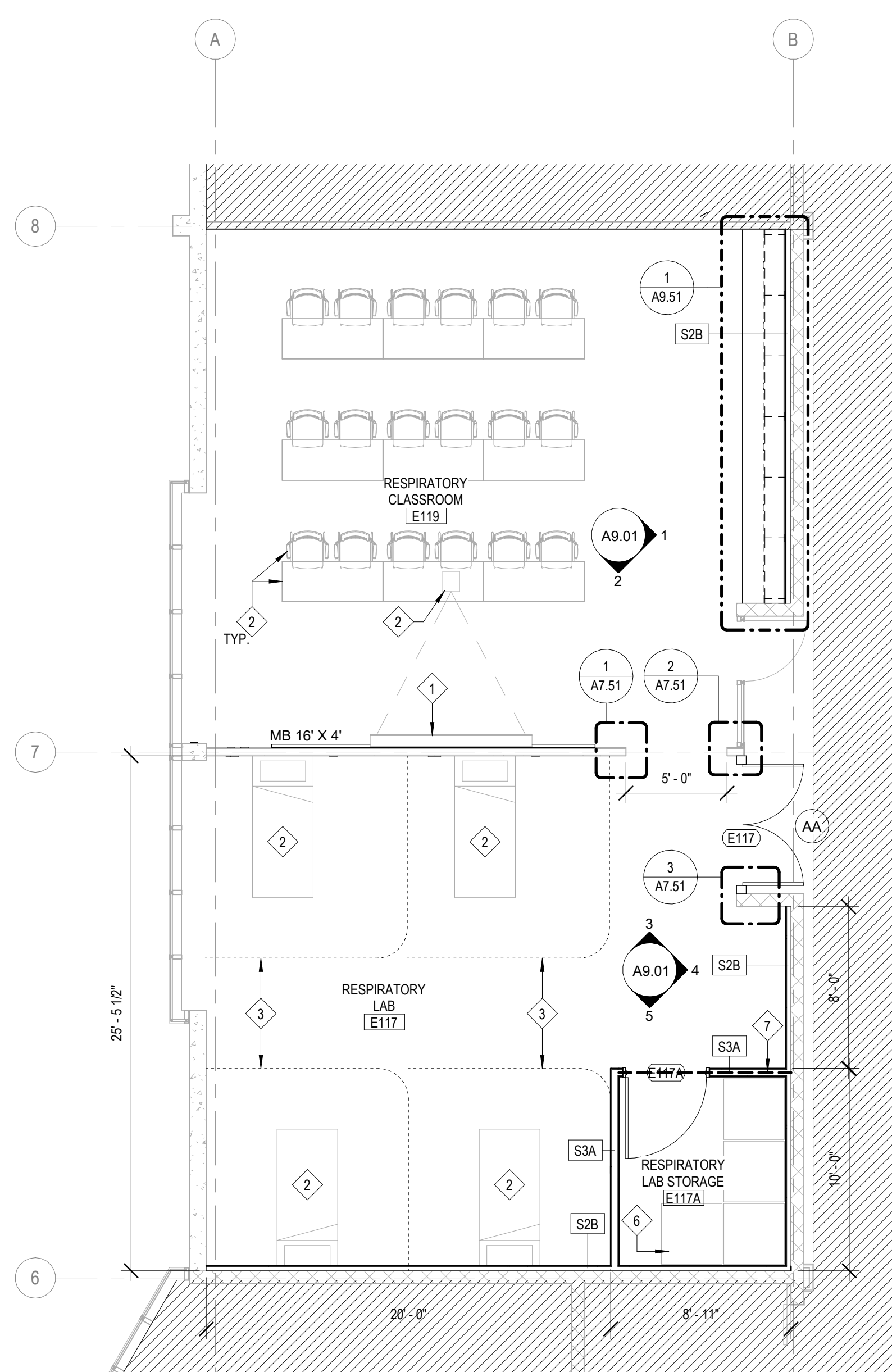


**FLOOR PLAN GENERAL NOTES:**

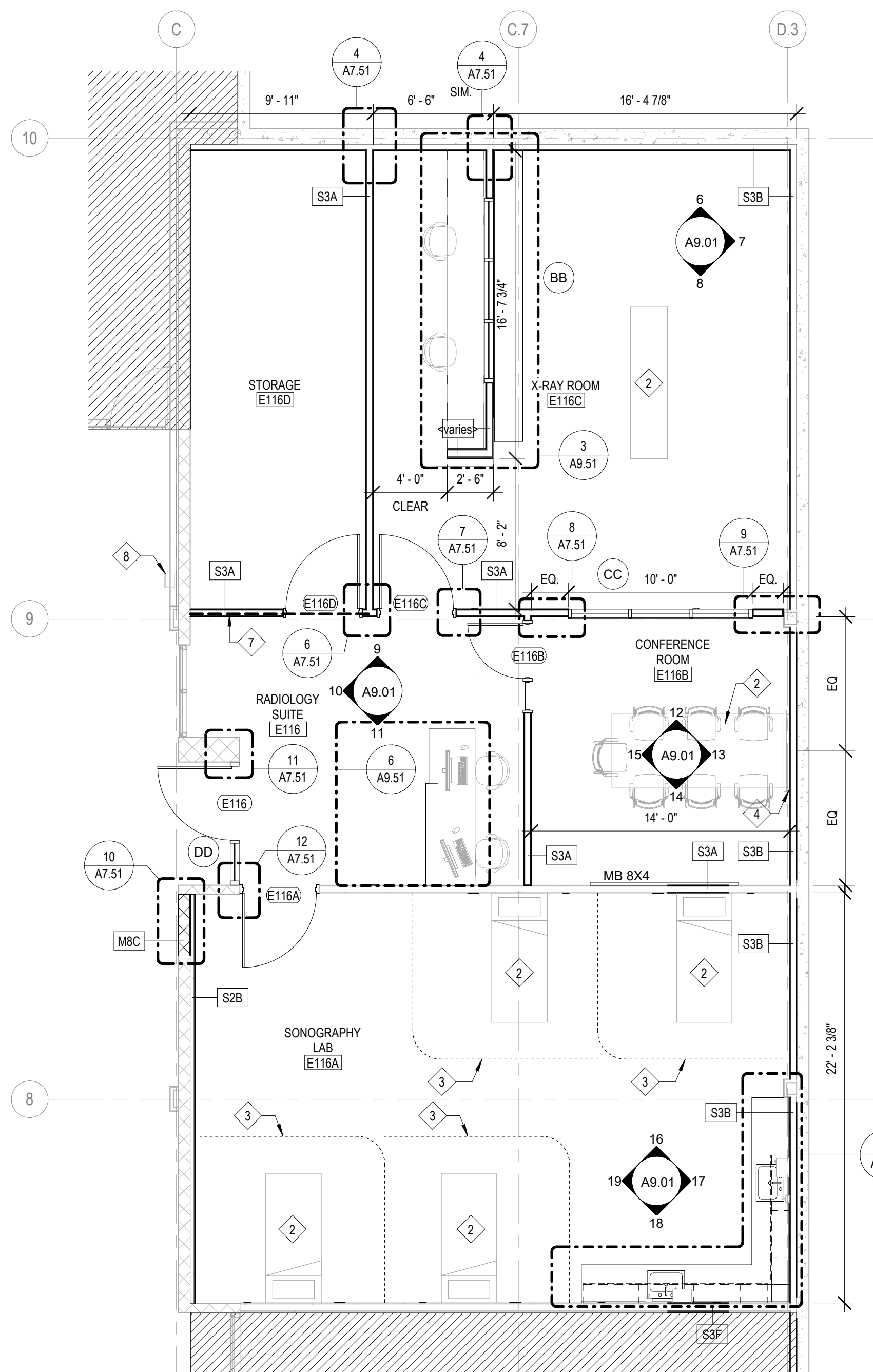
- FINISH FLOOR ELEVATION OF 0'-0" = XXX' USGS.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS AC.10 FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.01 FOR PARTITION SCHEDULE. ALL INTERIOR PARTITIONS SHALL BE TYPE S1A. U.N.O. ALL GYP BD COLUMN ENCLOSURES SHALL BE TYPE S2D, U.N.O.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

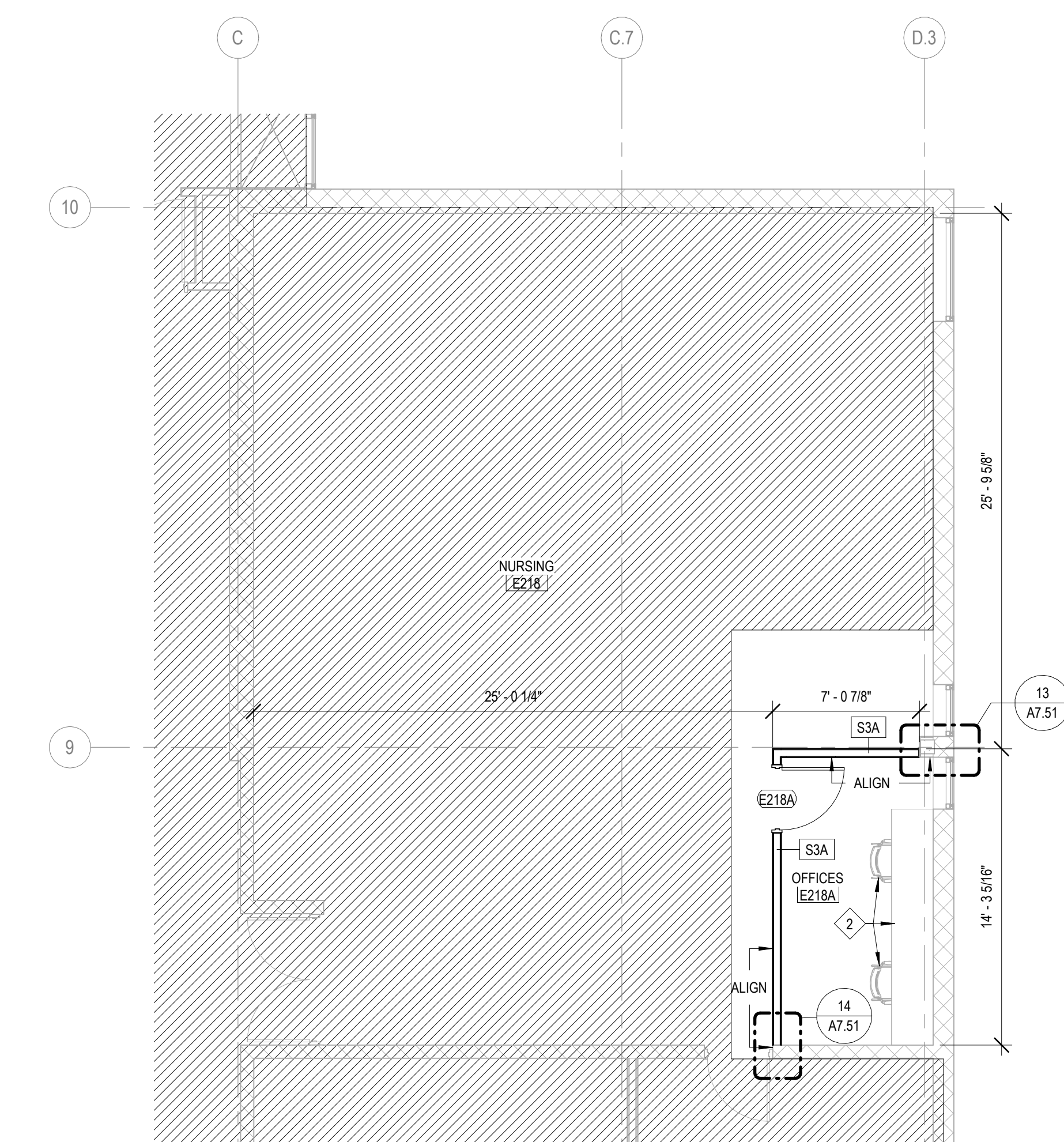
- WALL MOUNTED PULL DOWN PROJECTION SCREEN.
- FURNITURE OR EQUIPMENT - PROVIDED AND INSTALLED BY OWNER. COORDINATE LOCATIONS OF NEW POWER, DATA, AND BLOCKING WITH F&E PRIOR TO INSTALLATION.
- CURTAIN AND TRACK OVERHEAD (REFER TO RCP).
- WALL MOUNTED MONITOR PROVIDED/ INSTALLED BY OWNER (REFER TO ELEC/ TECH).
- EXISTING MARKERBOARD TO REMAIN.
- EXISTING EQUIPMENT (TYP. FOR 4) - PROVIDED AND INSTALLED BY OWNER. COORDINATE LOCATIONS OF NEW POWER, DATA, AND BLOCKING WITH F&E PRIOR TO INSTALLATION.
- WALL TO EXTEND TO 4" ABOVE ADJACENT CEILING TO ALLOW OPEN ACCESS TO EXISTING MECHANICAL UNIT ABOVE TO REMAIN - BRACE WALL AS REQUIRED TO FULL HEIGHT WALLS ADJACENT AND TO STRUCTURE ABOVE.
- EXISTING SEMI-RECESSED FIRE EXTINGUISHER TO REMAIN.
- EXISTING CURTAIN AND OVERHEAD TRACK TO REMAIN.



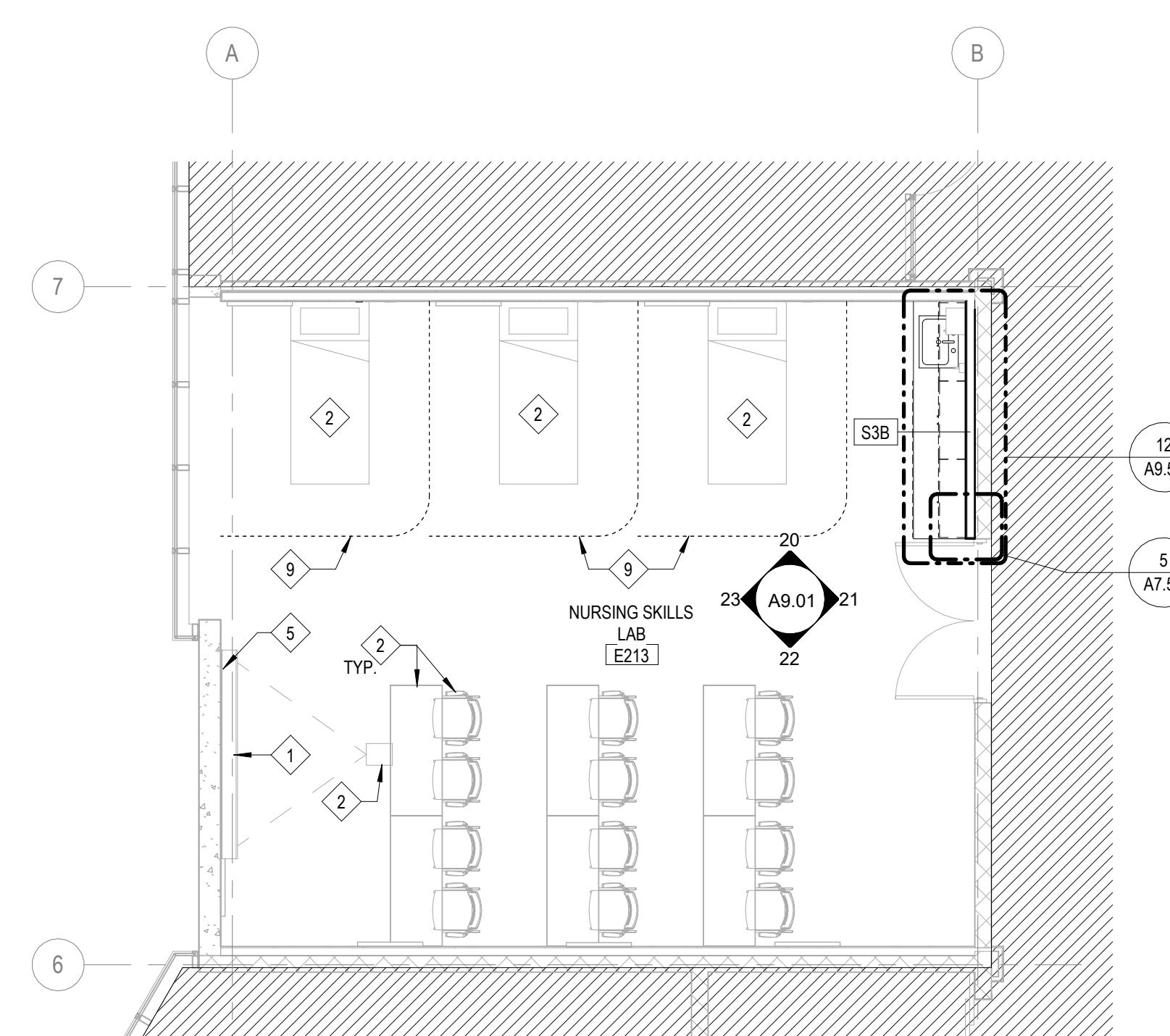
**1 FLOOR PLAN - LEVEL 1 - RESPIRATORY**  
 3/16" = 1'-0"



**2 FLOOR PLAN - LEVEL 1 - RADIOLOGY**  
 3/16" = 1'-0"



**3 FLOOR PLAN - LEVEL 2 - NURSING**  
 3/16" = 1'-0"



**4 FLOOR PLAN - LEVEL 2 - NURSING SKILLS**  
 3/16" = 1'-0"







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 DKA PROJECT NO: 24-032

KEY PLAN:

SHEET STATUS: 02/18/2025

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SHEET TITLE:  
**REFLECTED CEILING PLANS**

SHEET NUMBER:  
**A2.10**

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**SLOTTED CHANNEL FRAMING (STRUT SYSTEMS) GENERAL NOTES:**

- UNISTRUT IS USED AS BASIS OF DESIGN FOR ALL STRUT SYSTEM COMPONENTS. CONTRACTOR OPTION TO SUBMIT AN APPROVED EQUIVALENT FOR APPROVAL. THE STRUT FRAMING SYSTEM SHALL CONSIST OF CHANNELS, FITTINGS, AND HARDWARE AS DEFINED IN THE METAL FRAMING MANUFACTURERS ASSOCIATION STANDARD PUBLICATION, MFMA-1. ALL FITTINGS AND ACCESSORIES SHALL BE FROM THE SAME MANUFACTURER WITH NO EXCEPTIONS.
- PROVIDE ALL STRUT-TYPE METAL FRAMING MEMBERS, FITTINGS, AND RELATED ACCESSORIES AS SCHEMATICALLY SHOWN ON THE DRAWINGS.
- STRUT FRAMING SYSTEMS SHALL CONFORM TO:
  - FITTINGS SHALL BE MADE FROM HOT ROLLED, PICKLED AND OILED PLATE, OR STRIP STEEL CONFORMING TO ASTM A1011 SS GR 33, ASTM A1011 HSLAS GR 45, ASTM A36, ASTM A575, ASTM A576, OR ASTM A635.
  - CHANNELS SHALL BE COLD FORMED FROM 12GA STEEL CONFORMING TO ASTM A1011 GR 33 AND HAVE A NOMINAL OVERALL WIDTH OF 1.58" AND HAVE A 7/8" SLOT FACE OPENING. TELESPAR DROP TUBING SHALL BE ROLLED FROM 12GA HOT ROLLED STEEL CONFORMING TO ASTM A1011 GR 33, PICKLED AND OILED. INNER TUBE SHALL BE 1 1/2" SQUARE AND OUTER TUBE 1 3/4" SQUARE.
  - BOLTS SHALL BE ASTM A307 WITH CHANNEL NUTS CONFORMING TO ASTM A675 OR ASTM A36.
- SET STRUT SYSTEM COMPONENTS INTO FINAL POSITION TRUE TO LINE, LEVEL, AND PLUMB IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. ANCHOR MATERIAL FIRMLY IN PLACE. TIGHTEN ALL CONNECTIONS TO THEIR RECOMMENDED TORQUES.
- TORQUE ALL BOLTS AS FOLLOWS:  
 BOLT DIAMETER (IN) 1/4 5/16 3/8 1/2 5/8 3/4  
 TORQUE (FT LBS) 6 11 19 50 100 125
- STRUT SYSTEM COMPONENTS SHALL HAVE A STANDARD FINISH OF PERMA GREEN OR DURA GREEN EPOXY PAINTING. FASTENERS SHALL HAVE STANDARD ELECTRO-DEPOSITED ZINC FINISH. COMPONENTS EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION. ALL VISIBLE STRUT SYSTEMS IN THE X-RAY ROOM SHALL BE PAINTED PT-1 TO MATCH THE CEILING.
- WHERE STRUT SYSTEMS ARE USED FOR SUPPORT OF EQUIPMENT, VERIFY ALL ASPECTS OF INSTALLATION WITH EQUIPMENT MANUFACTURER AND ARCHITECTURAL LAYOUT.
- QUALIFICATION REQUIREMENTS:  
 a. THE MANUFACTURER SHALL HAVE FIVE (5) YEARS EXPERIENCE IN MANUFACTURING STRUT SYSTEMS.

**RCP SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

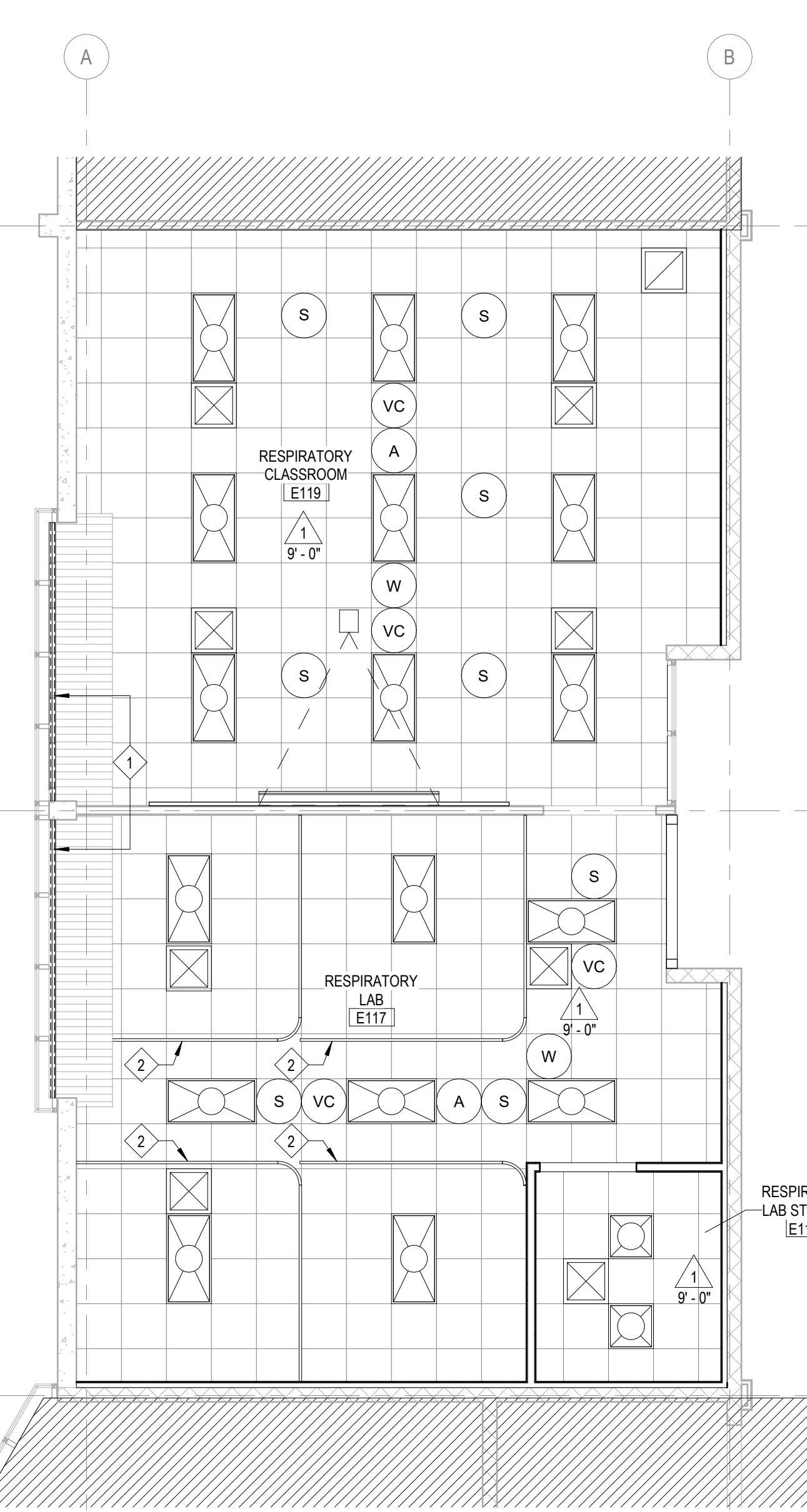
- CEILING TYPE
- CEILING ELEVATION OFF
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- LINEAR WOOD SLAT CEILING SYSTEM
- WOOD PANEL CEILING
- ROLLER SHADE (TYP)
- WINDOW SHADE & POCKET
- RECESSED 2x4 FLUORESCENT LIGHT FIXTURE
- RECESSED 1x4 FLUORESCENT LIGHT FIXTURE
- RECESSED STAGE LIGHT FIXTURE
- RECESSED 2x2 FLUORESCENT FIXTURE
- RECESSED FLUORESCENT LIGHT LINEAR FIXTURE
- SURFACE LIGHT MOUNT FIXTURE
- SMALL PENDANT LIGHT FIXTURE
- PENDANT LIGHT MOUNT FIXTURE
- RECESSED DIRECTIONAL DOWN LIGHT
- RECESSED DOWN LIGHT
- PENDANT LIGHT MOUNT FIXTURE
- PENDANT LIGHT HUNG LINEAR FLUORESCENT FIXTURE
- PENDANT LIGHT MOUNT LINEAR FIXTURE
- SURFACE LIGHT MOUNT FIXTURE
- PENDANT LIGHT MOUNT FIXTURE
- SPRINKLER HEAD
- PENDANT LIGHT MOUNT FIXTURE
- WALL LIGHT MOUNT FIXTURE
- PENDANT LIGHT HUNG FLUORESCENT STRIP FIXTURE
- RECESSED LIGHT LINEAR FLUORESCENT FIXTURE
- WALL LIGHT MOUNT FLUORESCENT FIXTURE
- MOTORIZED SCREEN
- CEILING MOUNTED PROJECTOR
- SOLID HATCH DENOTES EXIT SIGN FACE PLATE
- DIRECTION OF EGRESS
- EXIT SIGN, WALL MOUNTED
- HEAT DETECTOR
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
- LIGHT SENSOR
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- LINEAR DIFFUSER - SUPPLY/RETURN
- ACCESS PANEL
- CABINET UNIT HEATER

**RCP GENERAL NOTES:**

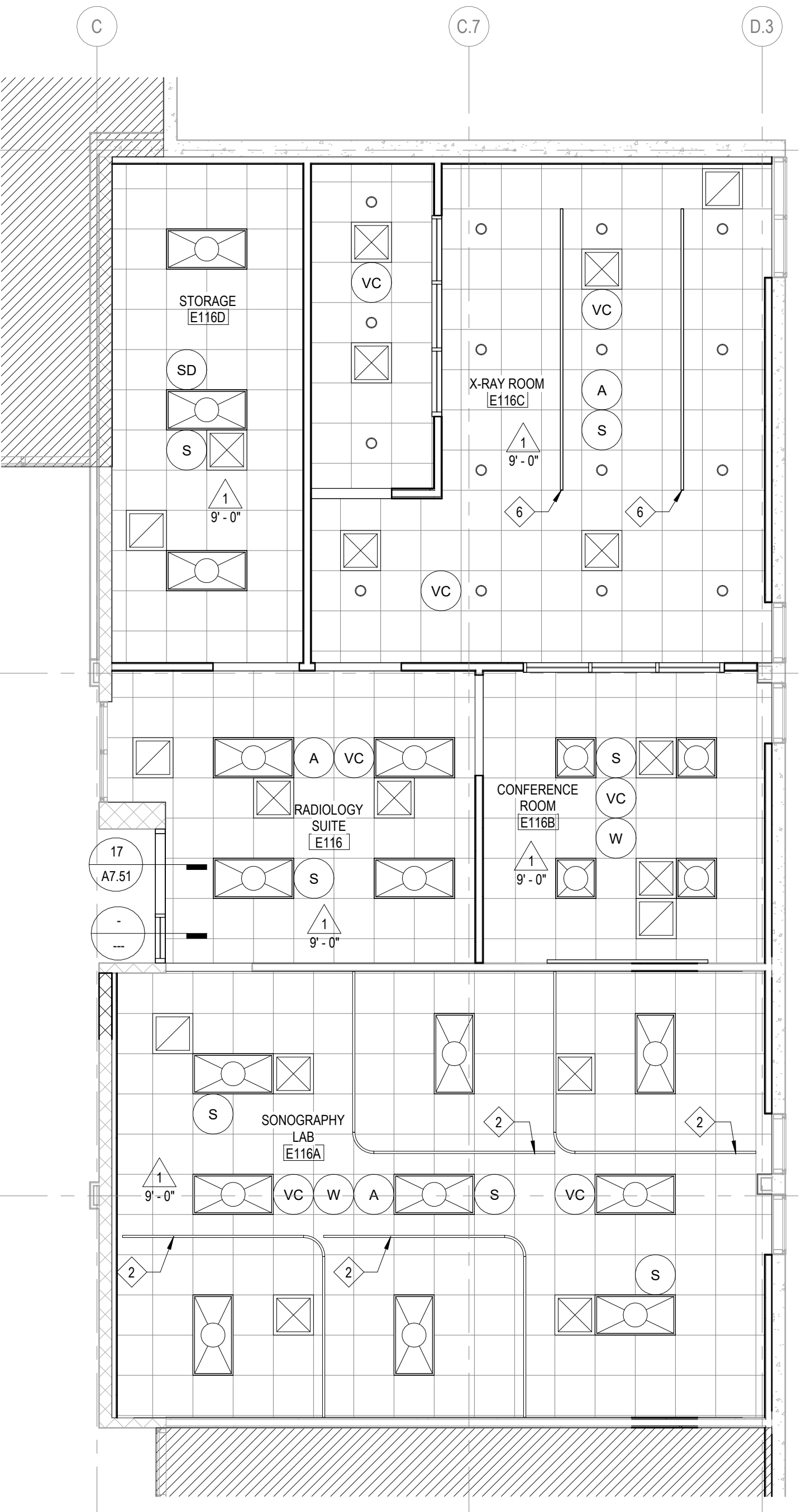
- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UNO)
- CENTER ALL SPRINKLER HEADS IN CEILING TILES.
- ALL GYP. BD. CEILINGS TO BE PAINTED PT-X UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS TO FINISHED CEILING ABOVE U.O.
- ALL GYP. BD. CEILINGS TO BE PAINTED PT-X UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 4" MIN. BEYOND FINISHED CEILING ABOVE U.O.

**RCP REFERENCED NOTES:**

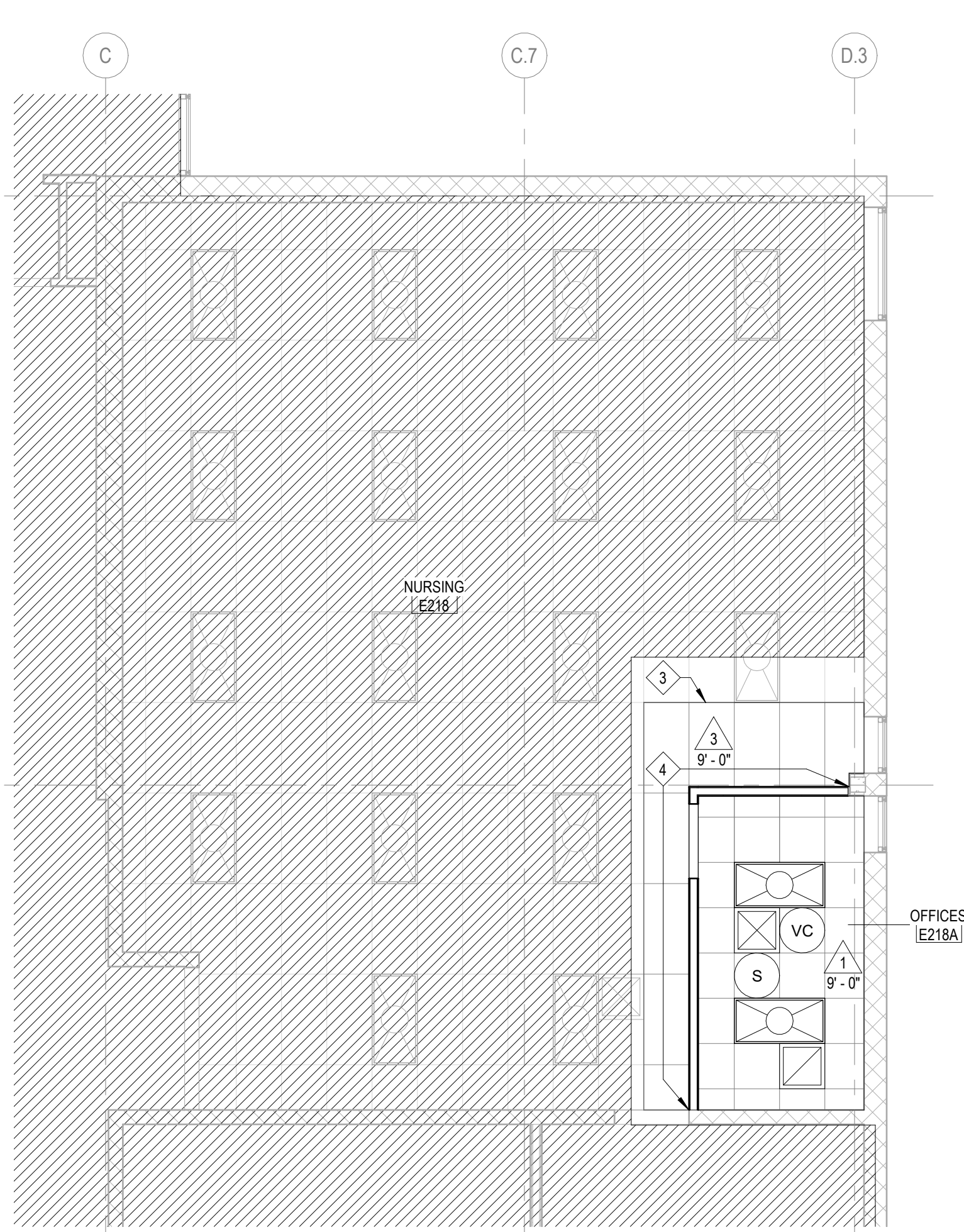
- PROVIDE NEW ROLLER SHADE. INSTALL AT TOP OF EXISTING WINDOW FRAME. FIELD VERIFY WIDTH PRIOR TO PROCUREMENT AND INSTALLATION (REFER TO SPECS)
- CONTINUOUS CUBICLE CURTAIN AND TRACK SYSTEM
- PROVIDE NEW ACOUSTICAL CEILING SYSTEM TO MATCH EXISTING ADJACENT ACOUSTICAL CEILING SYSTEM. REPLACE CEILING TILES WITH EXISTING SALVAGED TILES
- MODIFY EXISTING CEILING SYSTEM AS NEEDED TO ACCOMMODATE NEW WALL LOCATION.
- RE-INSTALL EXISTING LIGHT FIXTURES IN EXISTING CEILING AS INDICATED ON ELECTRICAL DRAWINGS (REFER TO MEP DRAWINGS FOR ADDITIONAL SCOPE)
- X-RAY EQUIPMENT RAILS - PROVIDED AND INSTALLED BY OTHERS (REFER TO X-RAY EQUIPMENT DRAWINGS FOR EQUIPMENT RAIL LAYOUT AND DETAILS). THE CONTRACTOR SHALL PROVIDE UNISTRUT SUPPORT OF X-RAY RAILS. RAIL SUPPORT INCLUDES FINISH RAILS, INTERMEDIATE RAIL SUPPORT, HANGERS AND ATTACHMENT TO EXISTING STRUCTURE. AS REQUIRED, BY THE X-RAY MANUFACTURER. UNISTRUT CONTRACTOR TO PROVIDE STAMPED AND SEALED CALCULATIONS. EXISTING STRUCTURE IS 20KG BAR JOISTS SPACED AT APPROXIMATE 2'-4" ON CENTER. (REFER TO SLOTTED CHANNEL FRAMING GENERAL NOTES FOR ADDITIONAL DETAILS)



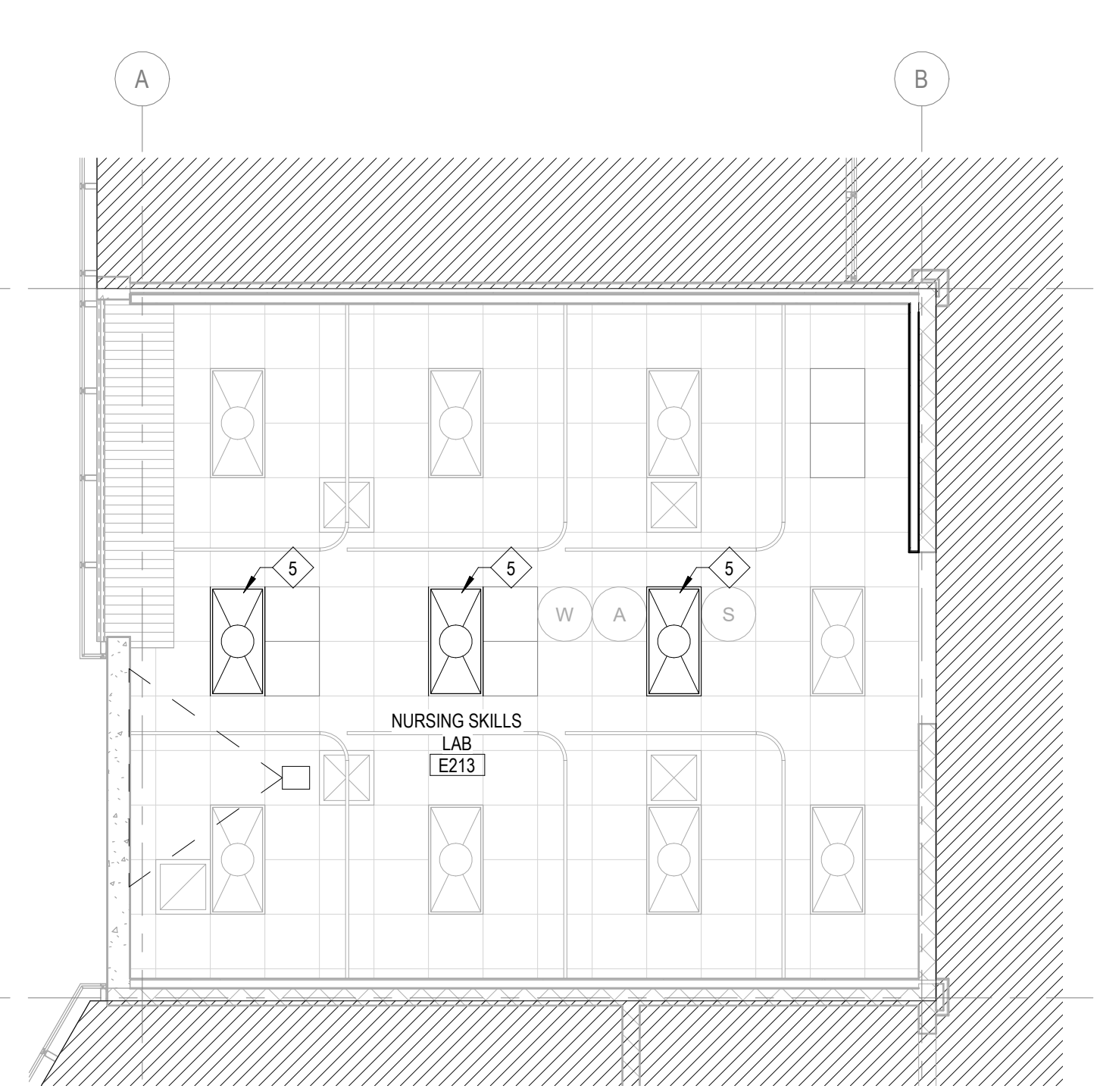
**1 REFLECTED CEILING PLAN - LEVEL 1 - RESPIRATORY**  
 3/16" = 1'-0"  
 TRUE NORTH



**2 REFLECTED CEILING PLAN - LEVEL 1 - RADIOLOGY**  
 3/16" = 1'-0"  
 TRUE NORTH

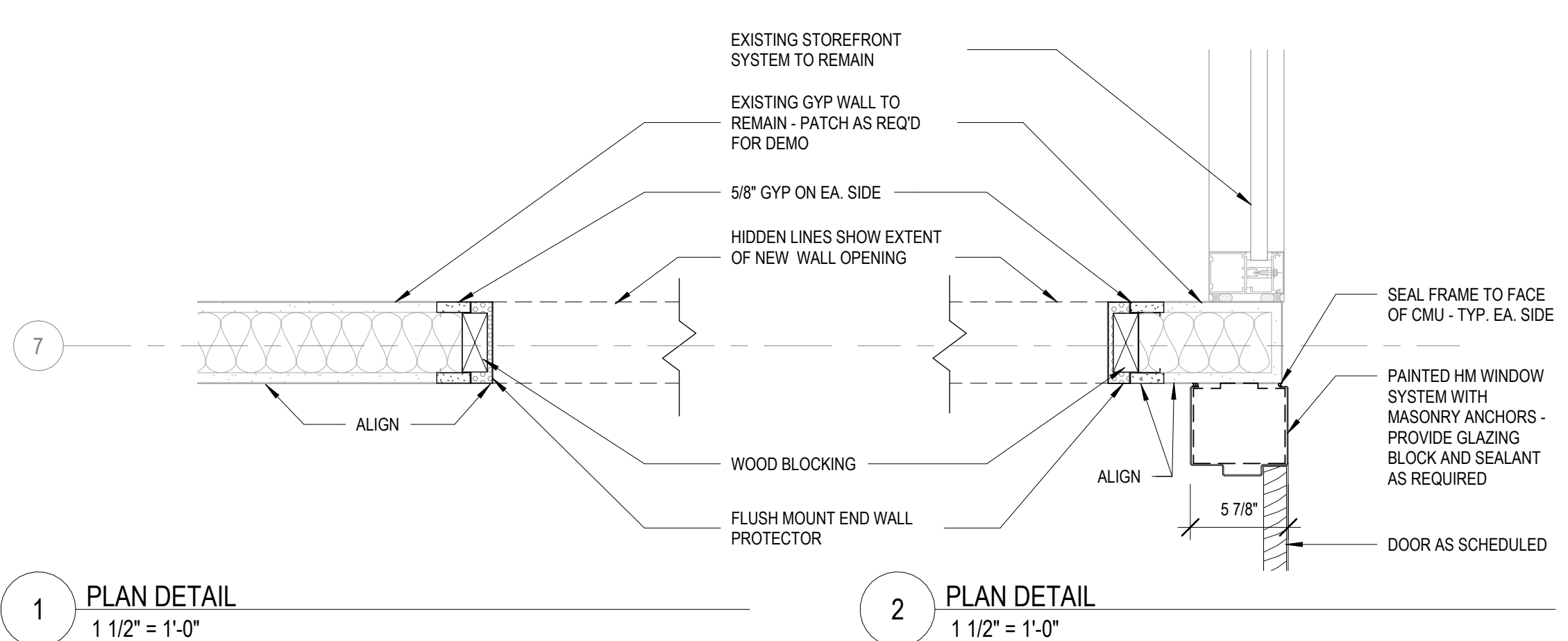


**3 REFLECTED CEILING PLAN - LEVEL 2 - NURSING**  
 3/16" = 1'-0"  
 TRUE NORTH

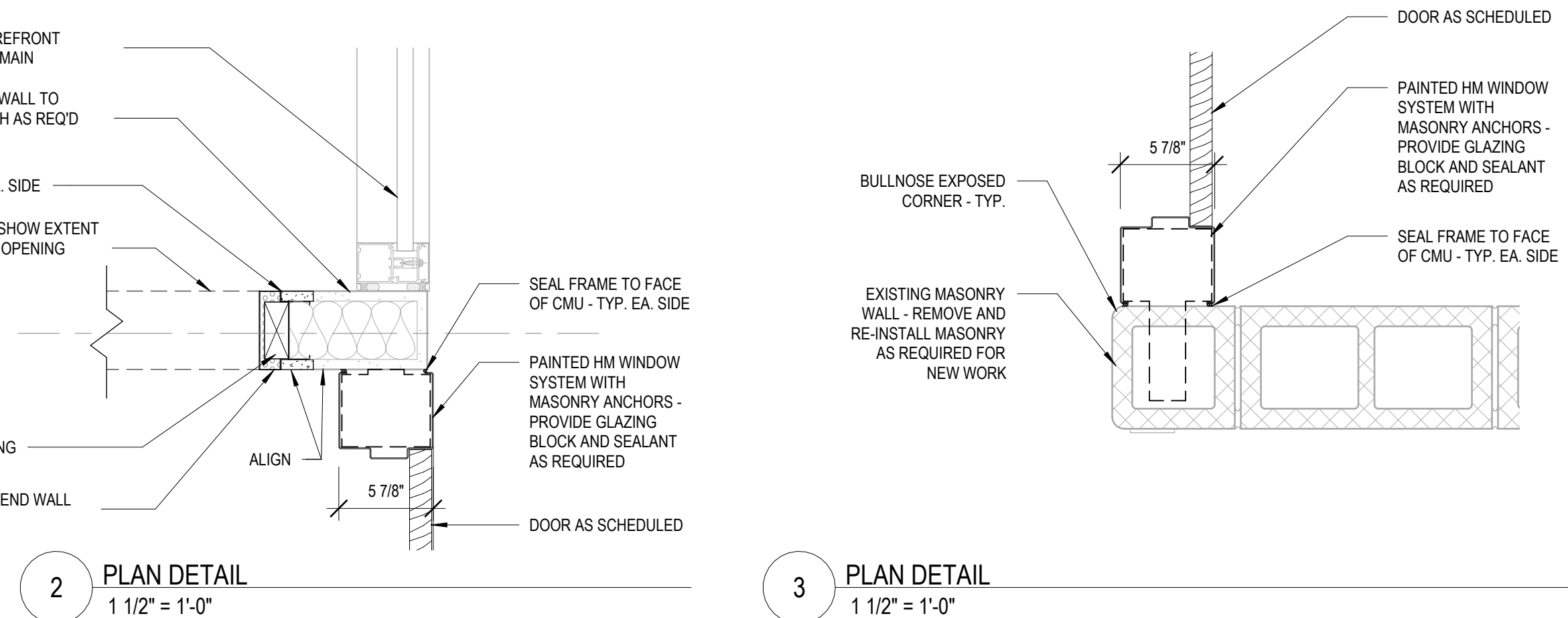


**4 REFLECTED CEILING PLAN - LEVEL 2 - NURSING SKILLS**  
 3/16" = 1'-0"

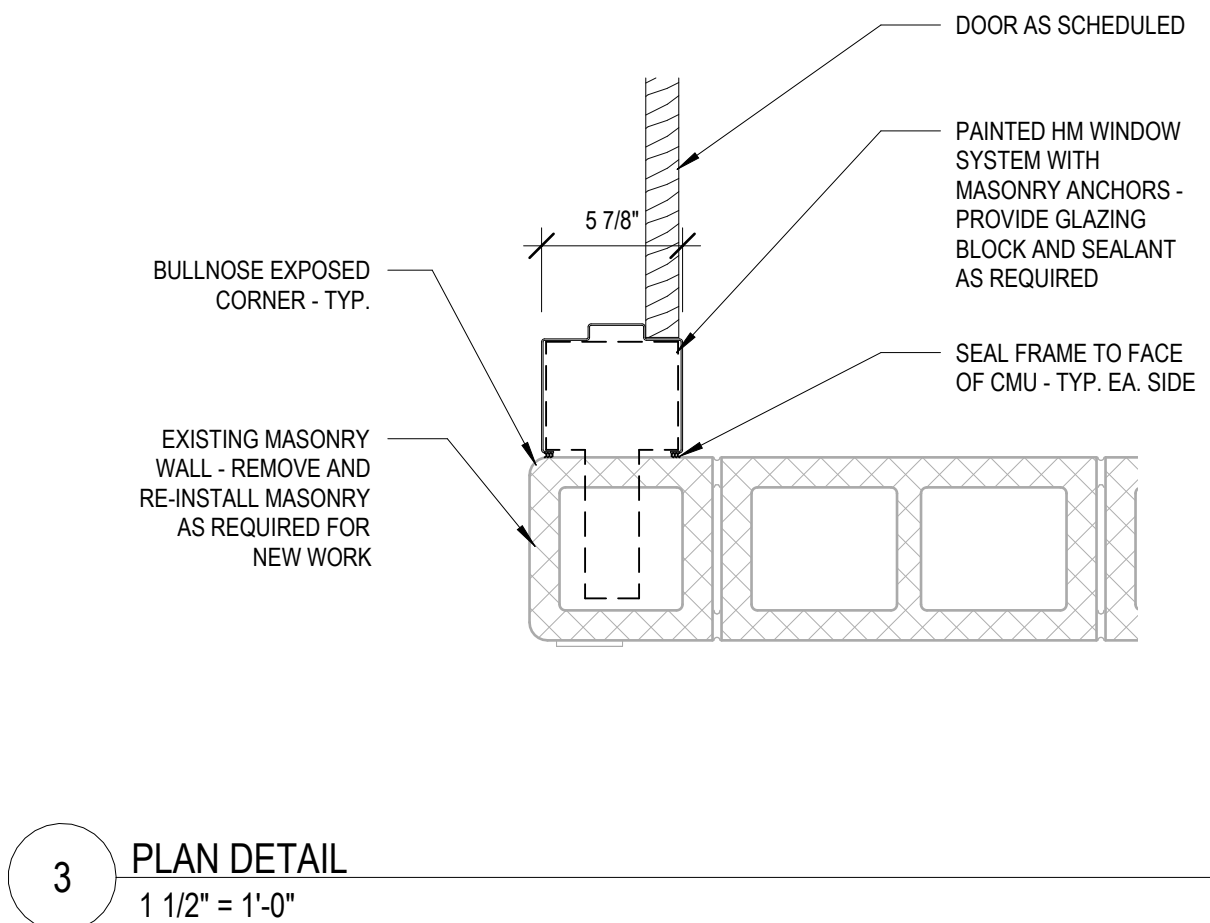




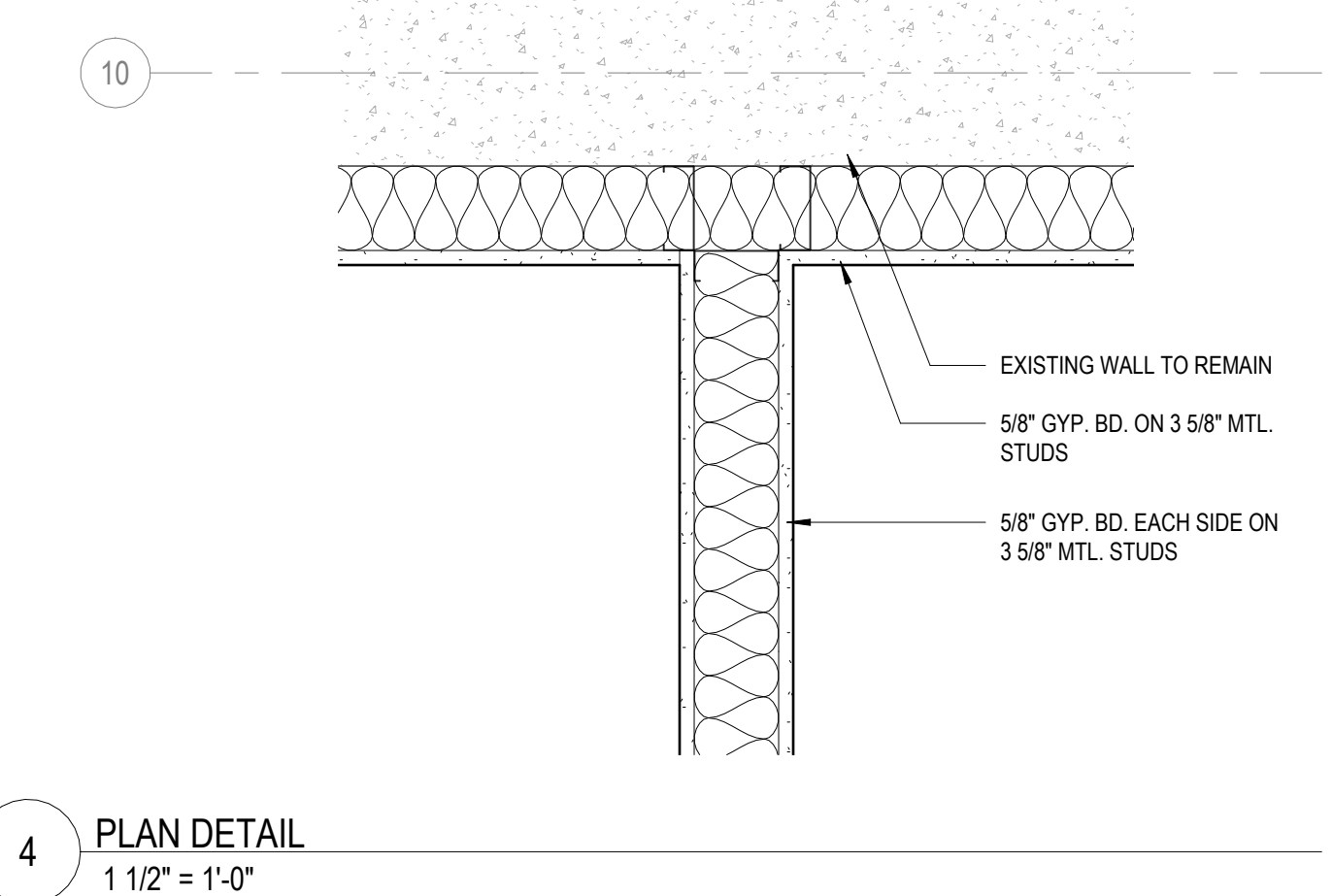
1 PLAN DETAIL  
1 1/2" = 1'-0"



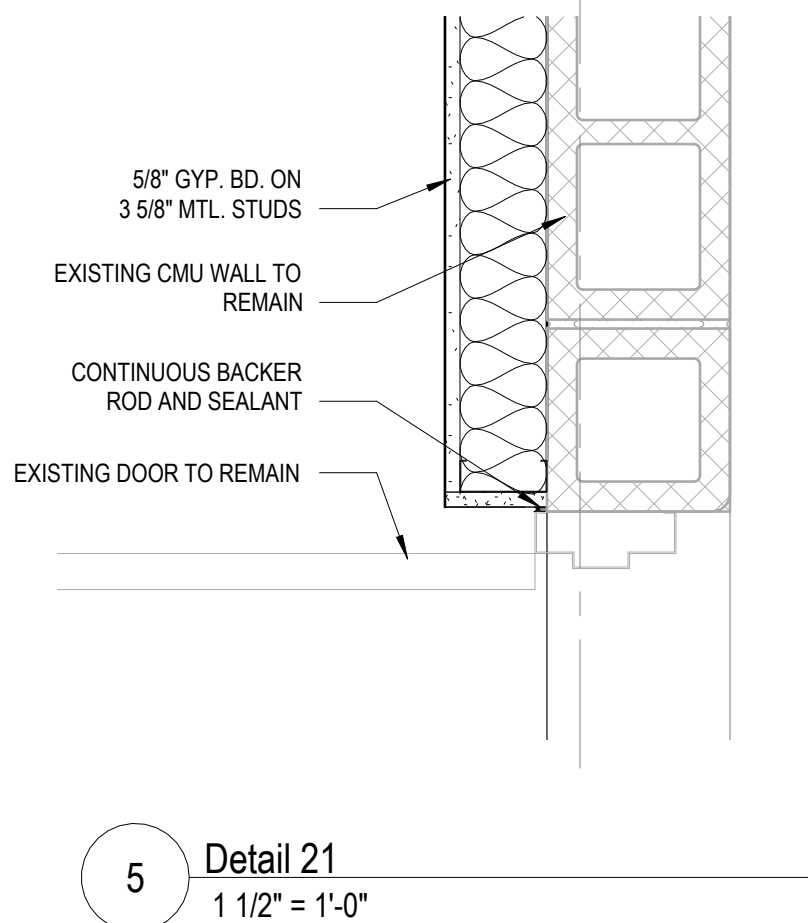
2 PLAN DETAIL  
1 1/2" = 1'-0"



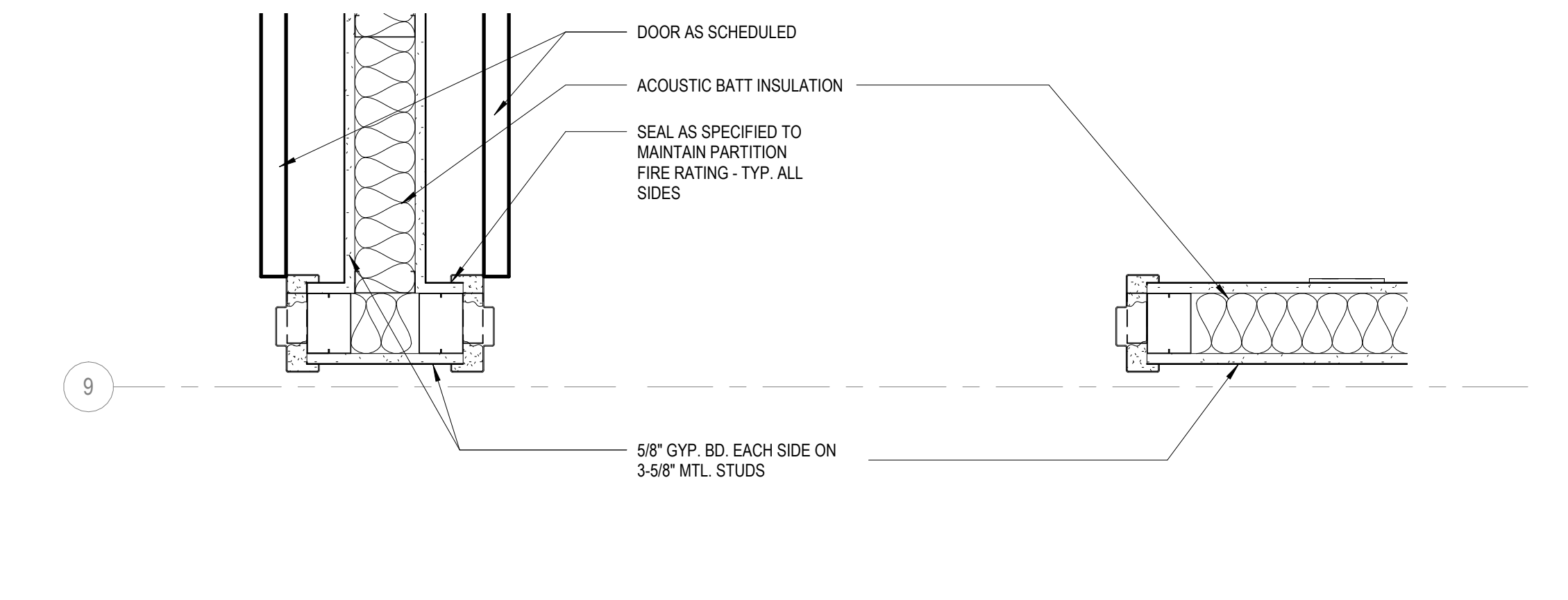
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1 1/2" = 1'-0"



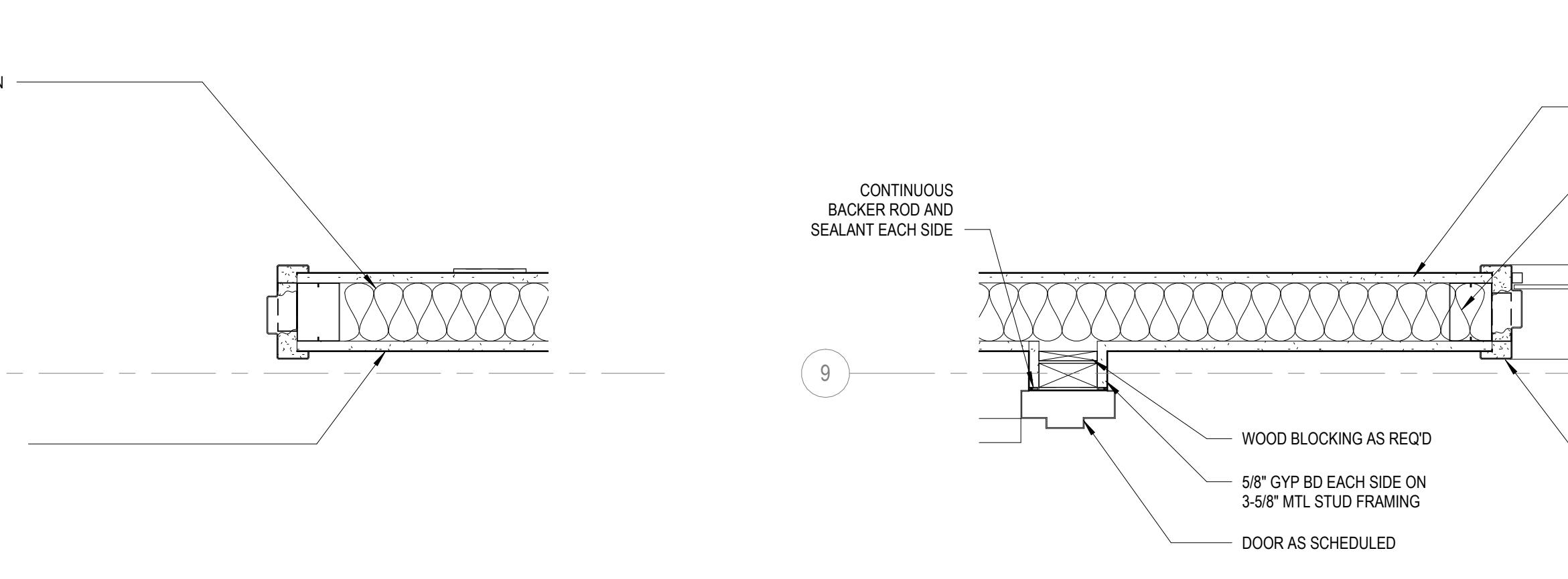
4 PLAN DETAIL  
1 1/2" = 1'-0"



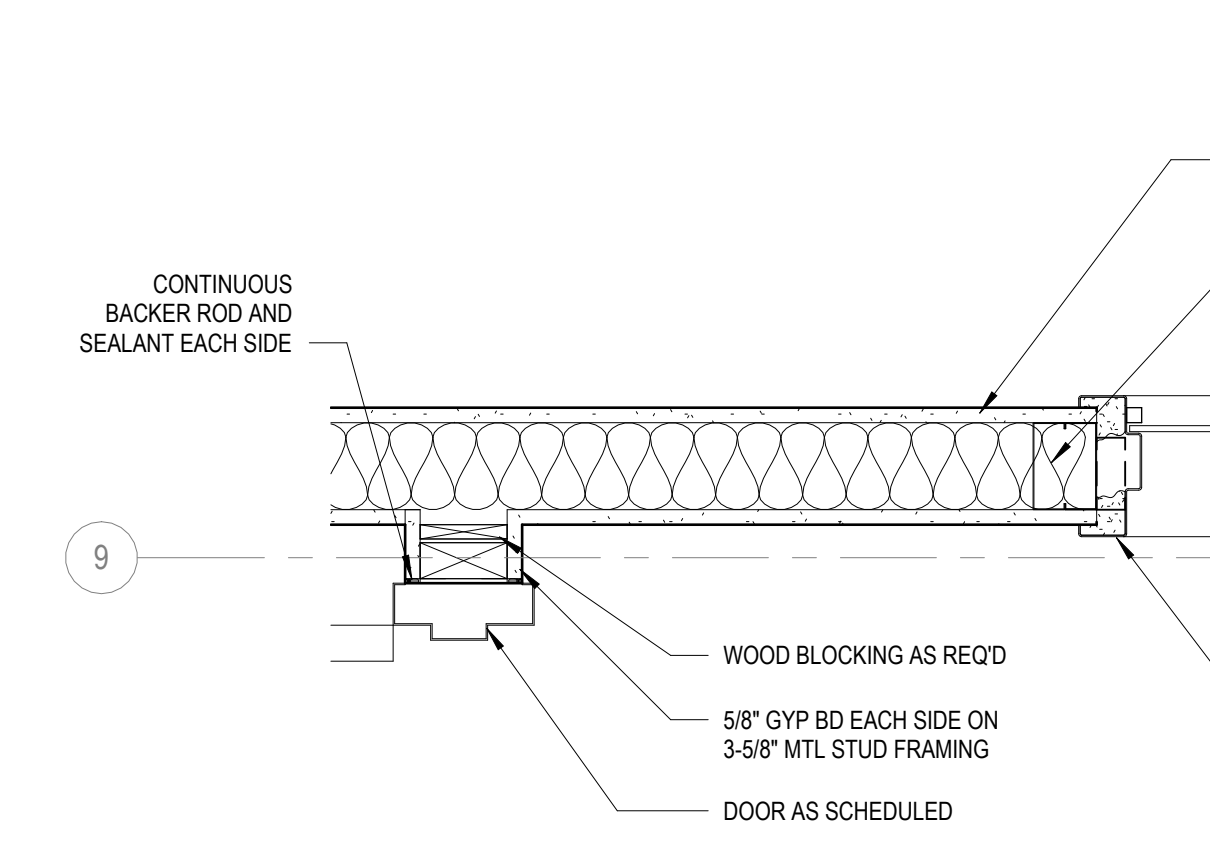
5 Detail 21  
1 1/2" = 1'-0"



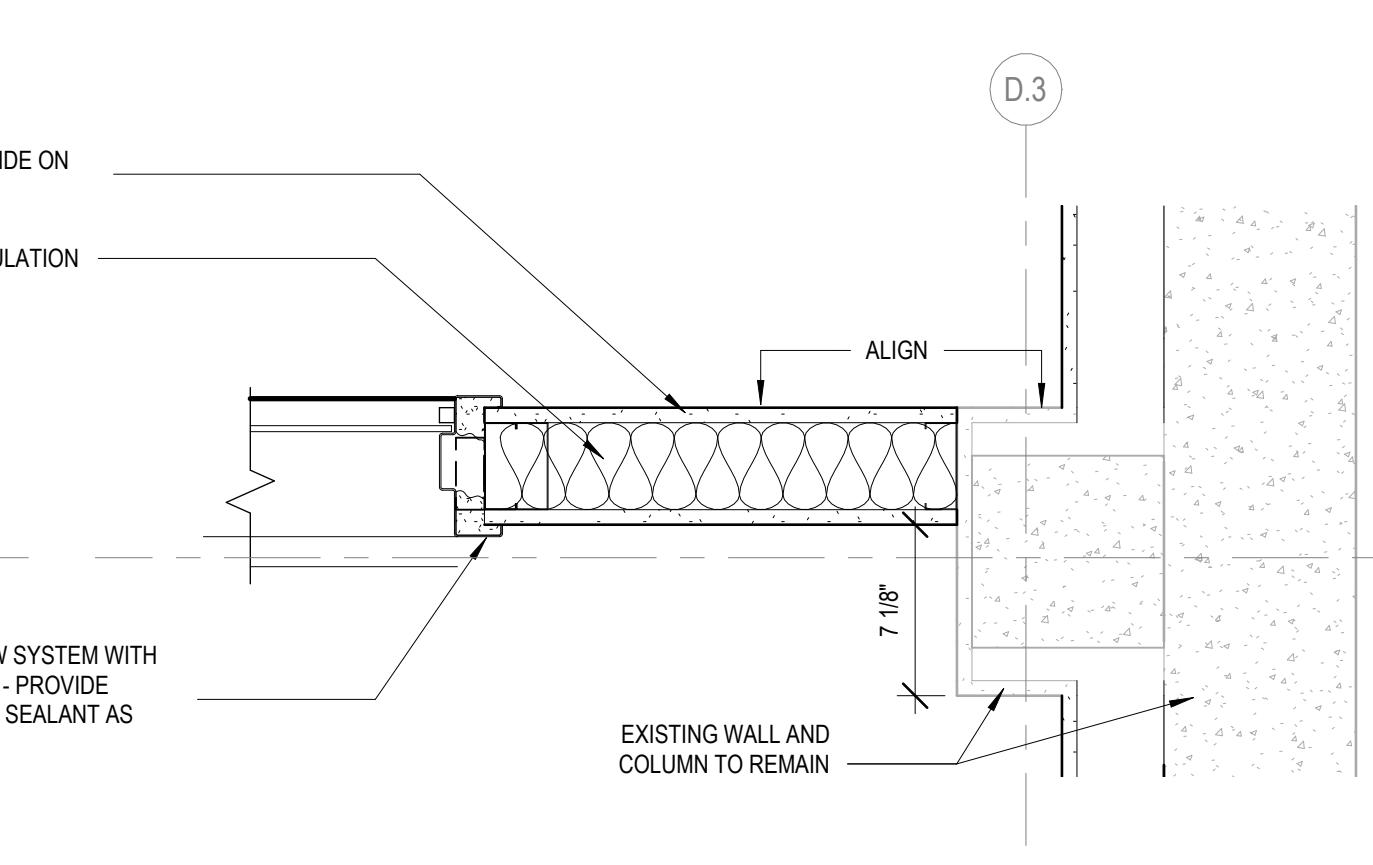
6 PLAN DETAIL  
1 1/2" = 1'-0"



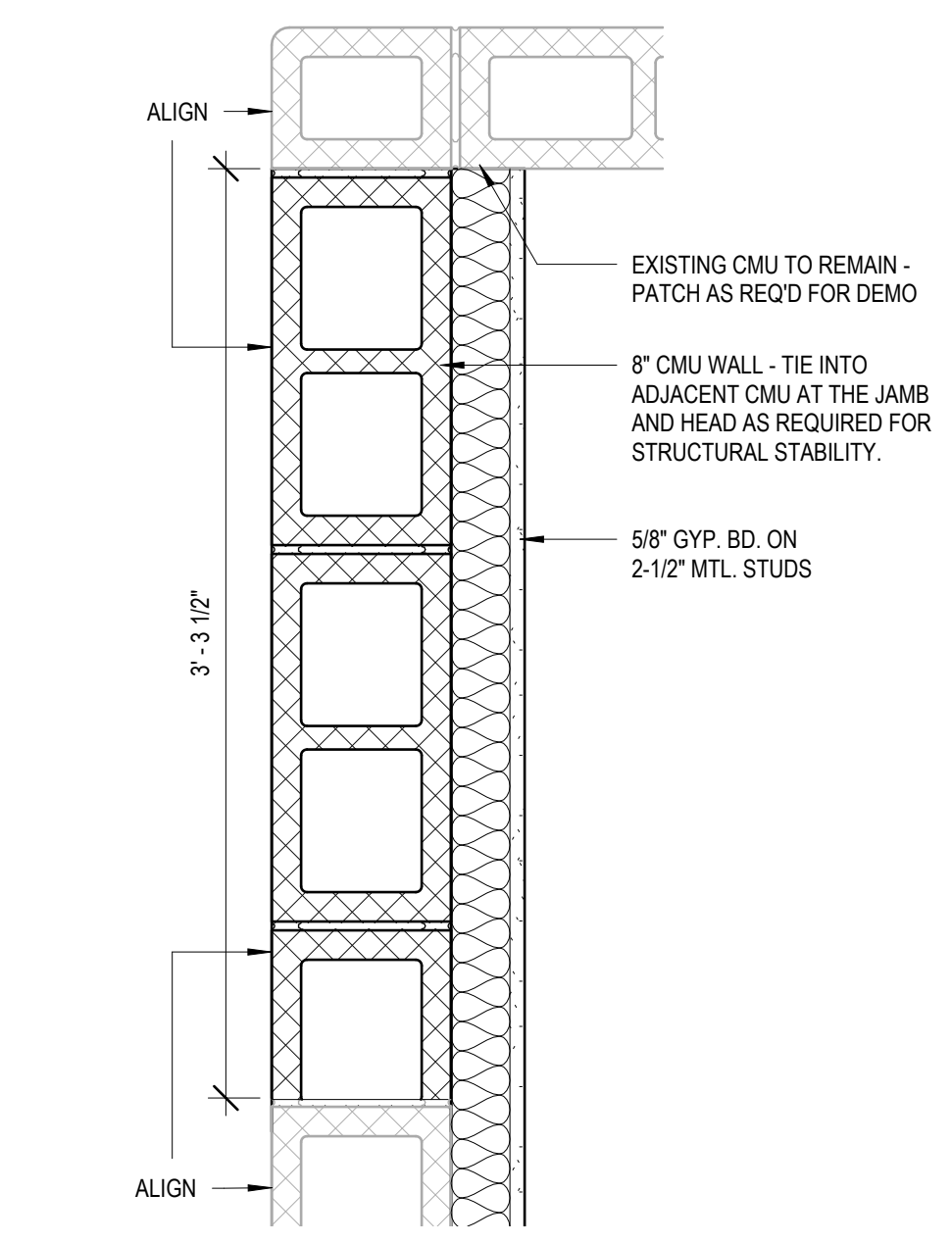
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1 1/2" = 1'-0"



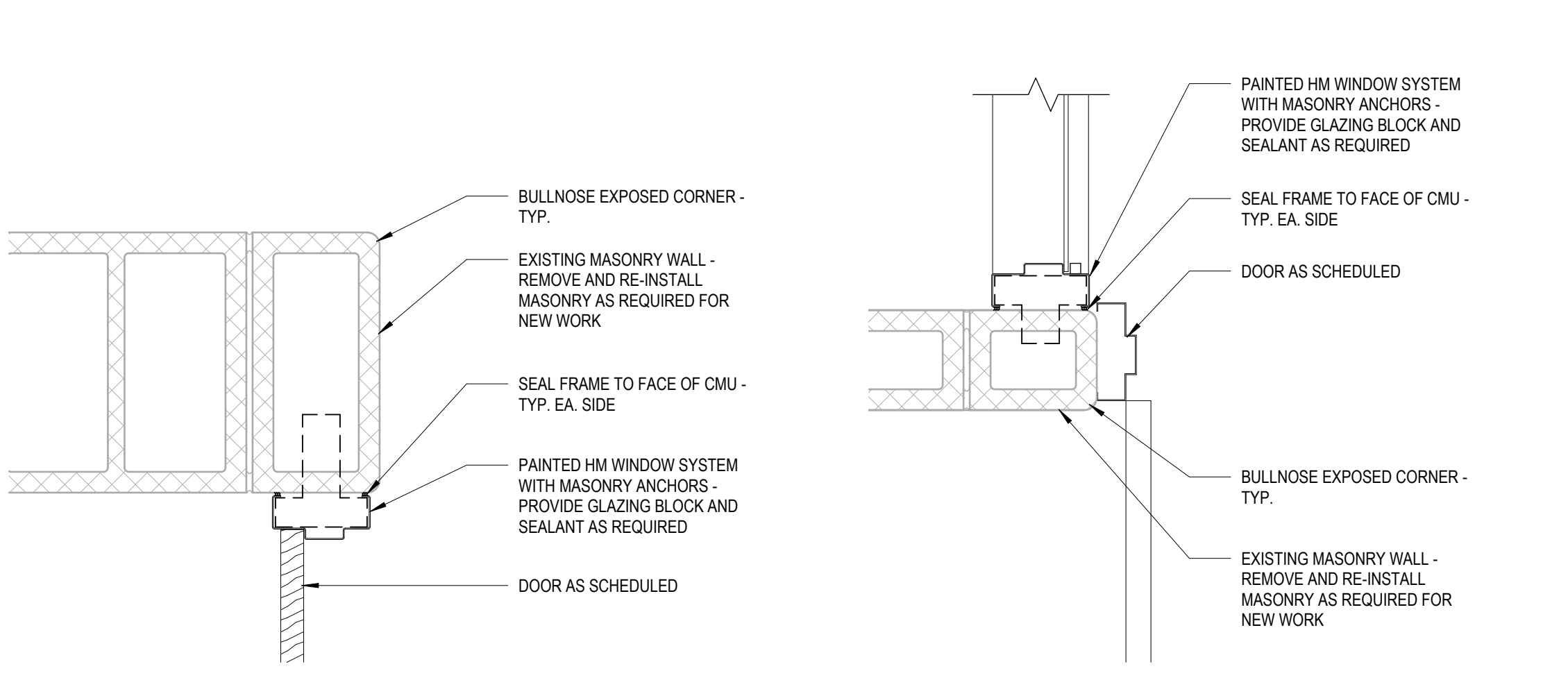
8 PLAN DETAIL  
1 1/2" = 1'-0"



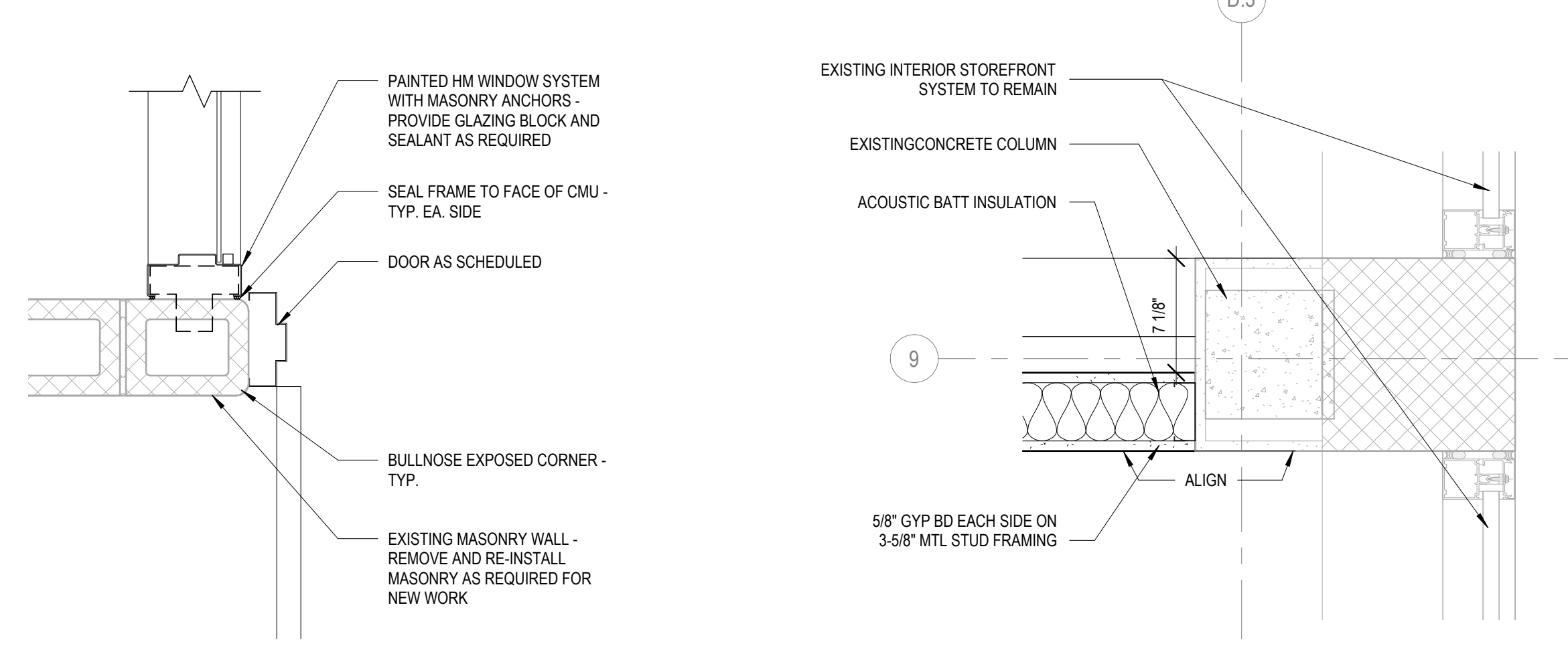
9 PLAN DETAIL  
1 1/2" = 1'-0"



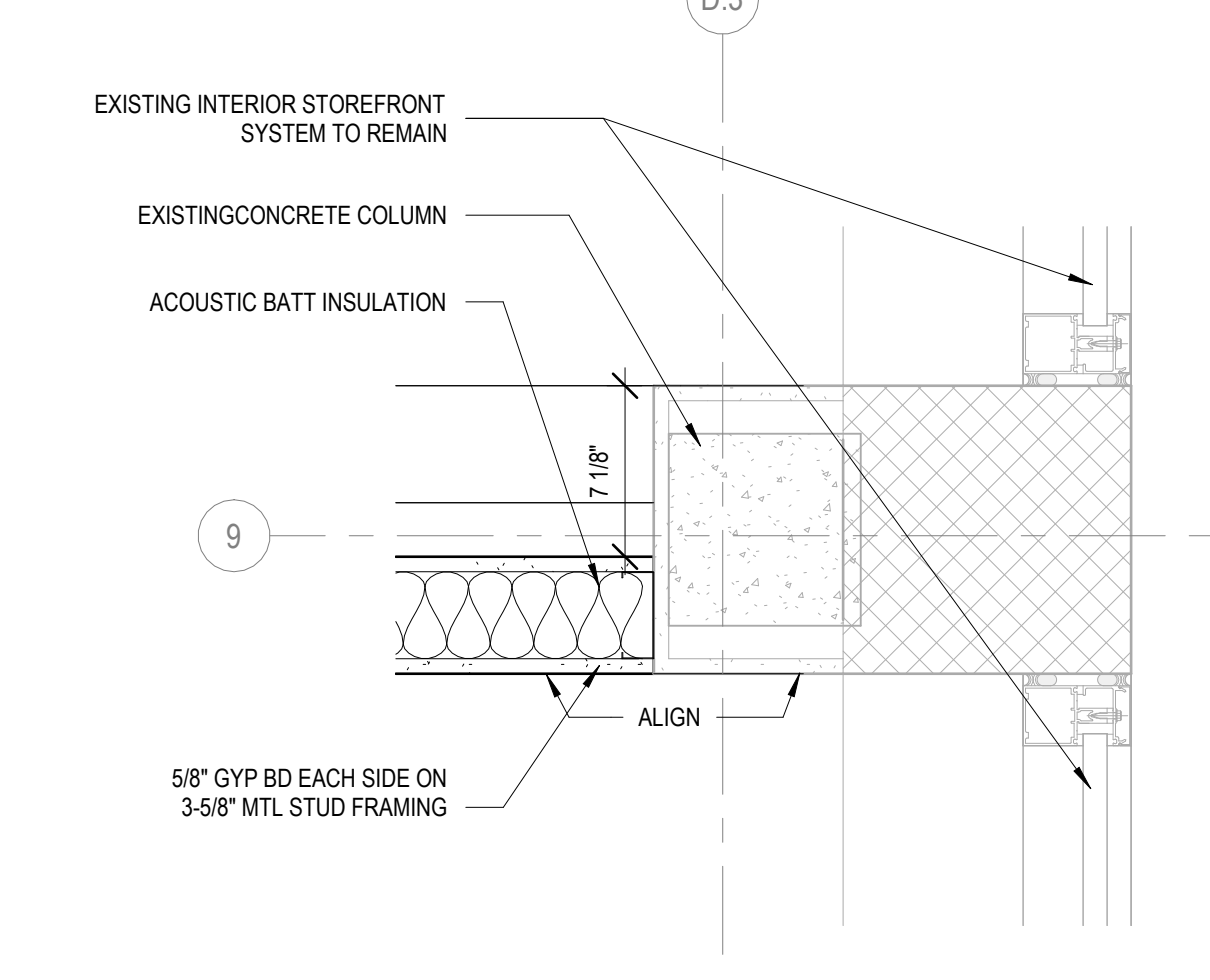
10 PLAN DETAIL  
1 1/2" = 1'-0"



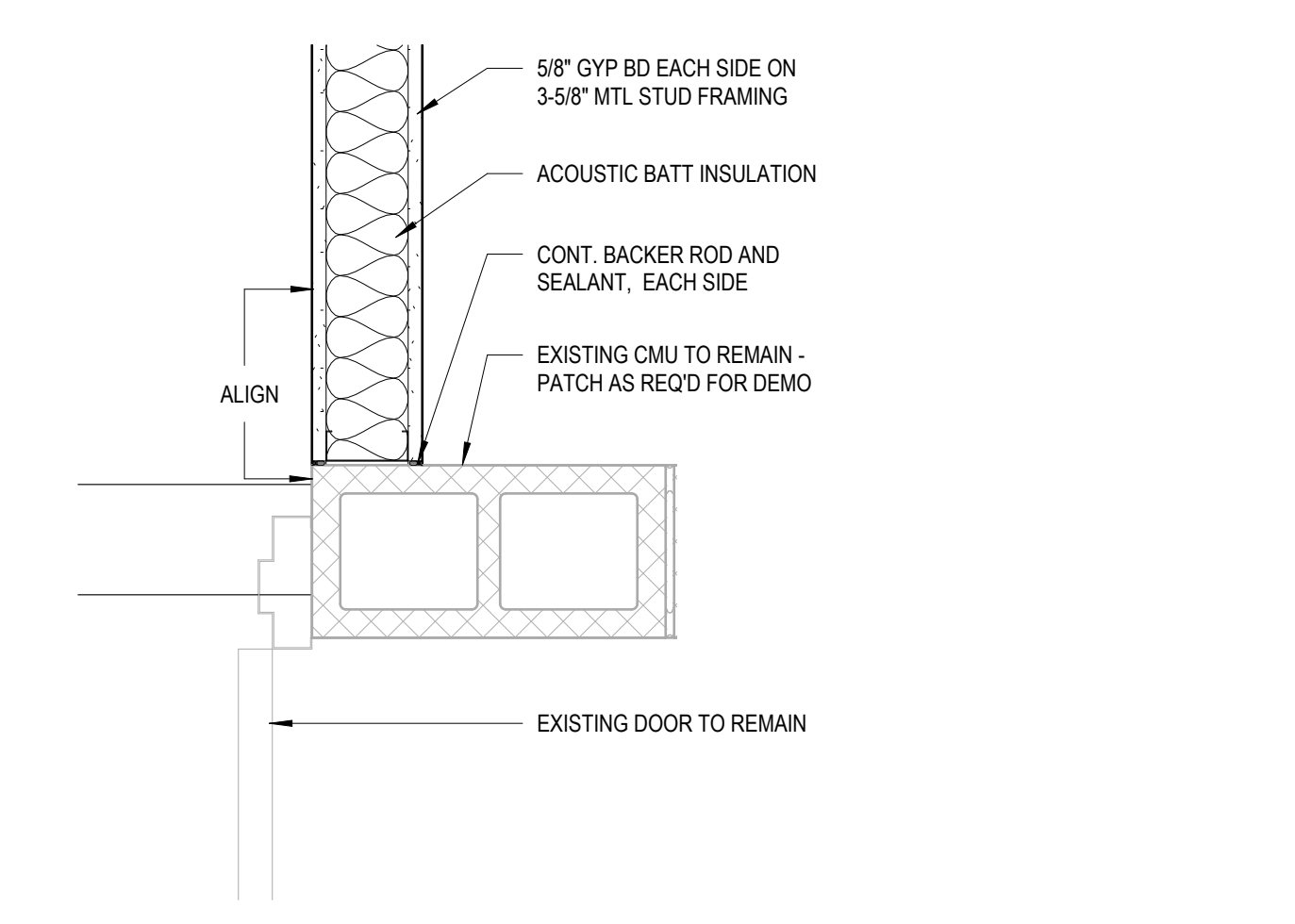
11 PLAN DETAIL  
1 1/2" = 1'-0"



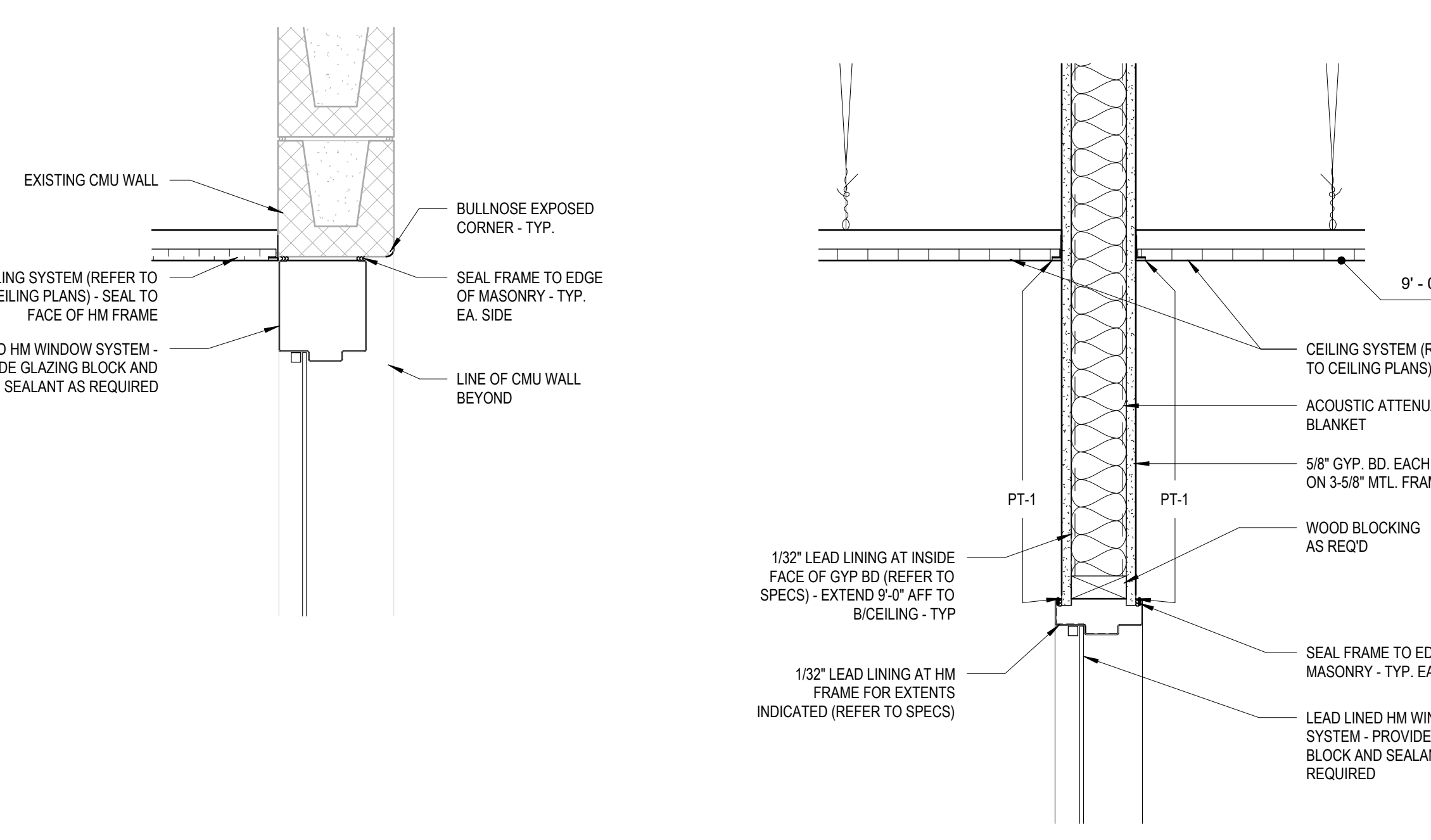
12 PLAN DETAIL  
1 1/2" = 1'-0"



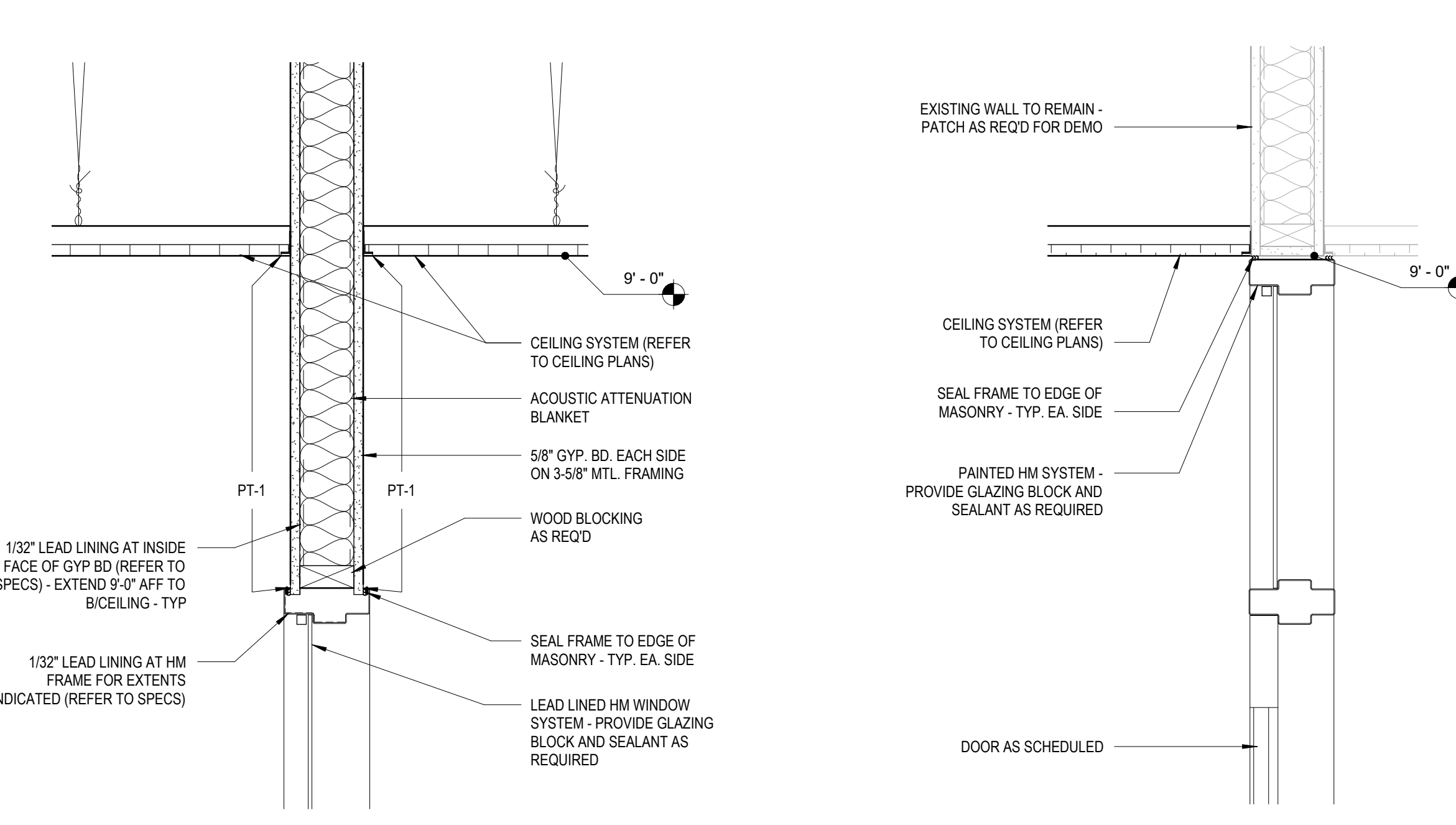
13 PLAN DETAIL  
1 1/2" = 1'-0"



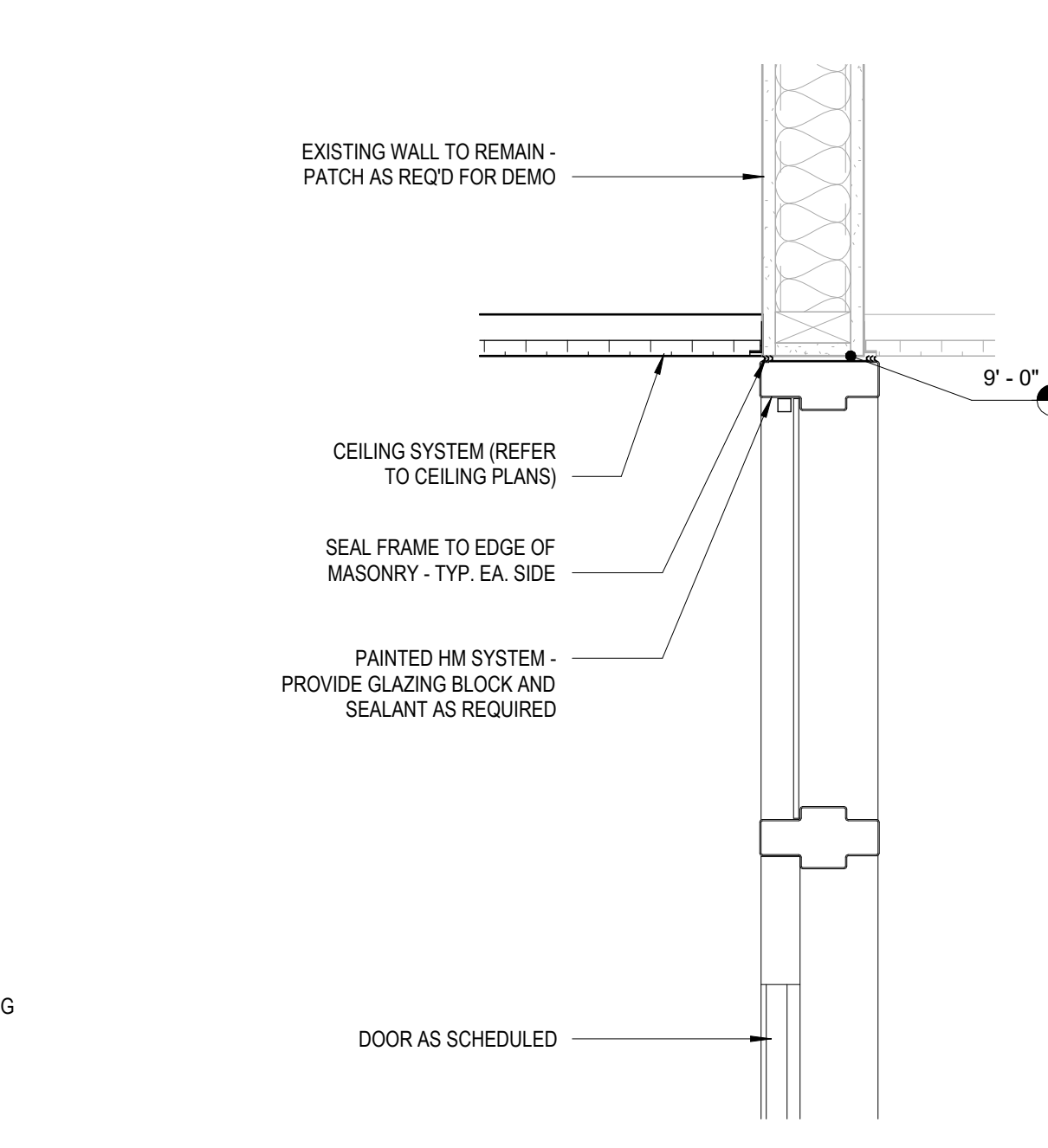
14 PLAN DETAIL  
1 1/2" = 1'-0"



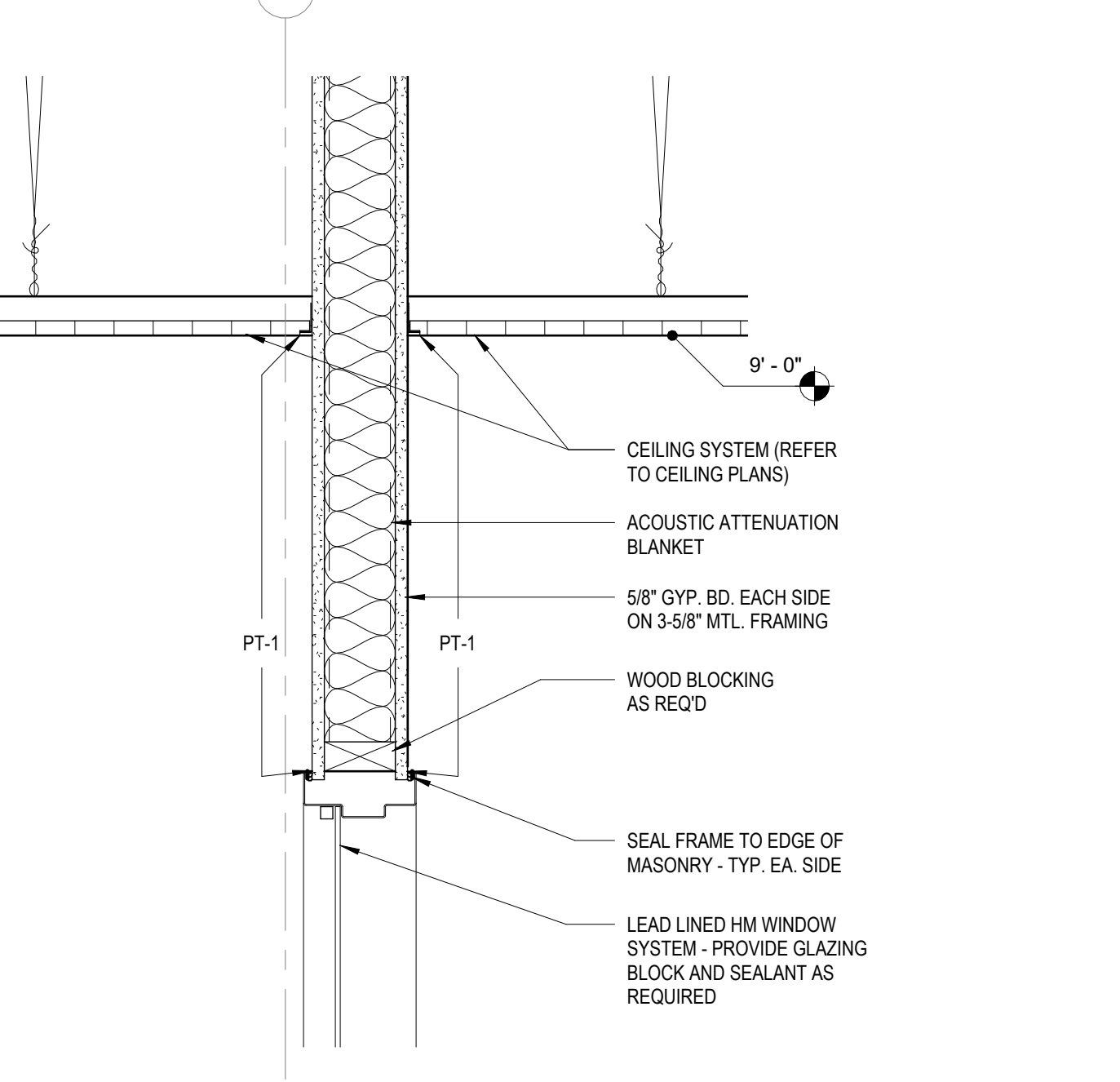
15 CEILING DETAIL  
1 1/2" = 1'-0"



16 CEILING DETAIL  
1 1/2" = 1'-0"



17 CEILING DETAIL  
1 1/2" = 1'-0"



18 CEILING DETAIL  
1 1/2" = 1'-0"

KEY PLAN:

SHEET STATUS: 02/18/2025  
**ISSUED FOR BID - NOT FOR CONSTRUCTION**

| NO. | DESCRIPTION: | DATE: |
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SHEET TITLE:  
**PLAN AND CEILING DETAILS**

SHEET NUMBER:

**A7.51**

KEY PLAN:

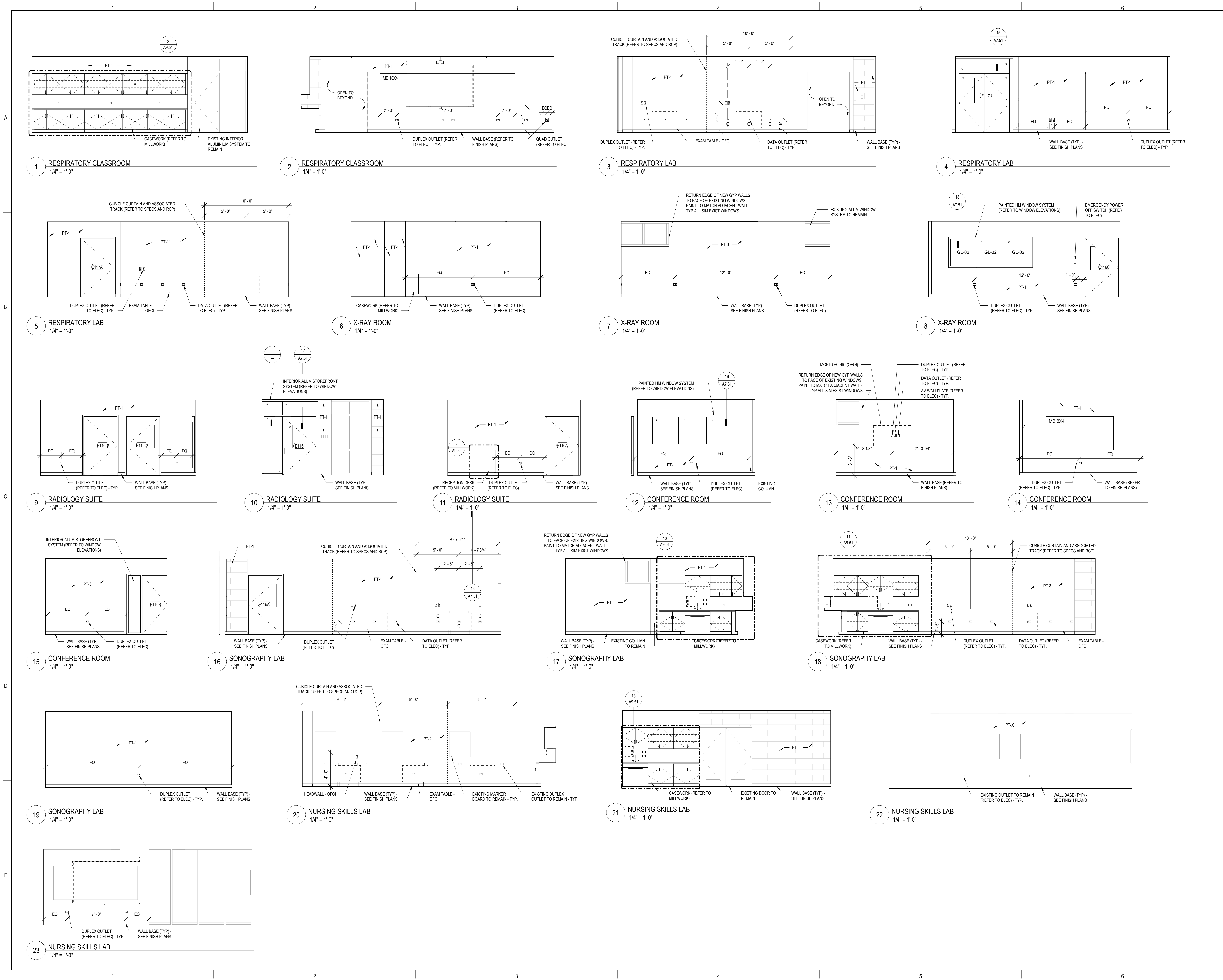
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**ISSUED FOR BID - NOT  
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SHEET TITLE:  
**INTERIOR  
 ELEVATIONS**

SHEET NUMBER:

**A9.01**



| MILLWORK FINISH TYPES: |                   |              |  |
|------------------------|-------------------|--------------|--|
| TYPE                   | DESCRIPTION       | MANUFACTURER | NAME/COLOR                               |
| PL-1                   | PLASTIC LAMINATE  | FORMICA      | 8843-SS NATURAL TEAK (A&E)               |
| PL-2                   | PLASTIC LAMINATE  | FORMICA      | PALOMA POLAR 6699-SS                     |
| PL-3                   | PLASTIC LAMINATE  | WILSONART    | LINEN D427-60                            |
| WD-1                   | SOLID WOOD PANEL  |              | QUARTER SLICE MAPLE, STAIN TO MATCH PL-1 |
| WD-2                   | WOOD VENEER PANEL |              | QUARTER SLICE MAPLE, STAIN TO MATCH PL-1 |
| SS-1                   | SOLID SURFACE     | WILSONART    | CHILLED EARTH 9228SS                     |



ARCHITECT OF  
**DEMÓNICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

S / MEP / FP / T ENGINEERS:  
**IMEG CORP.**  
 1100 WARRENVILLE RD., SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032

KEY PLAN:

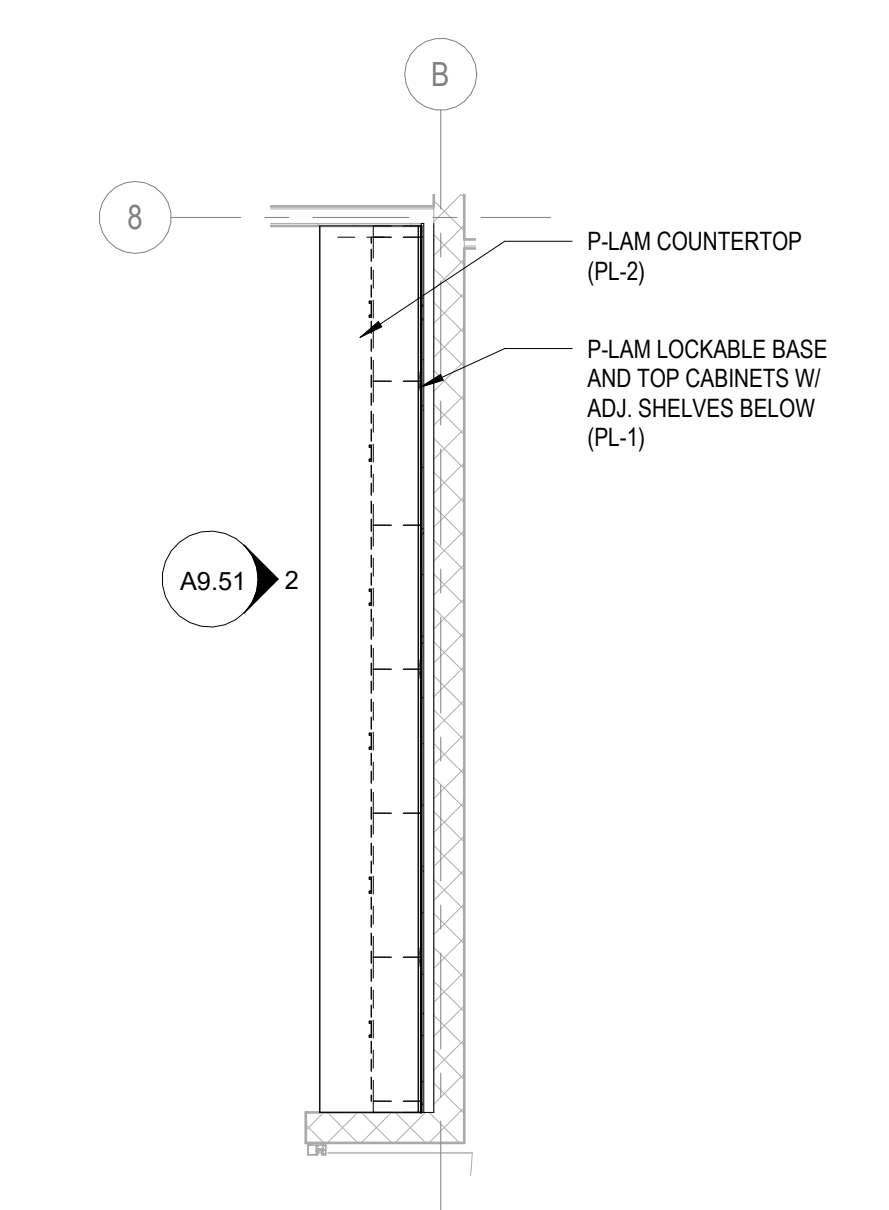
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**ISSUED FOR BID - NOT FOR CONSTRUCTION**

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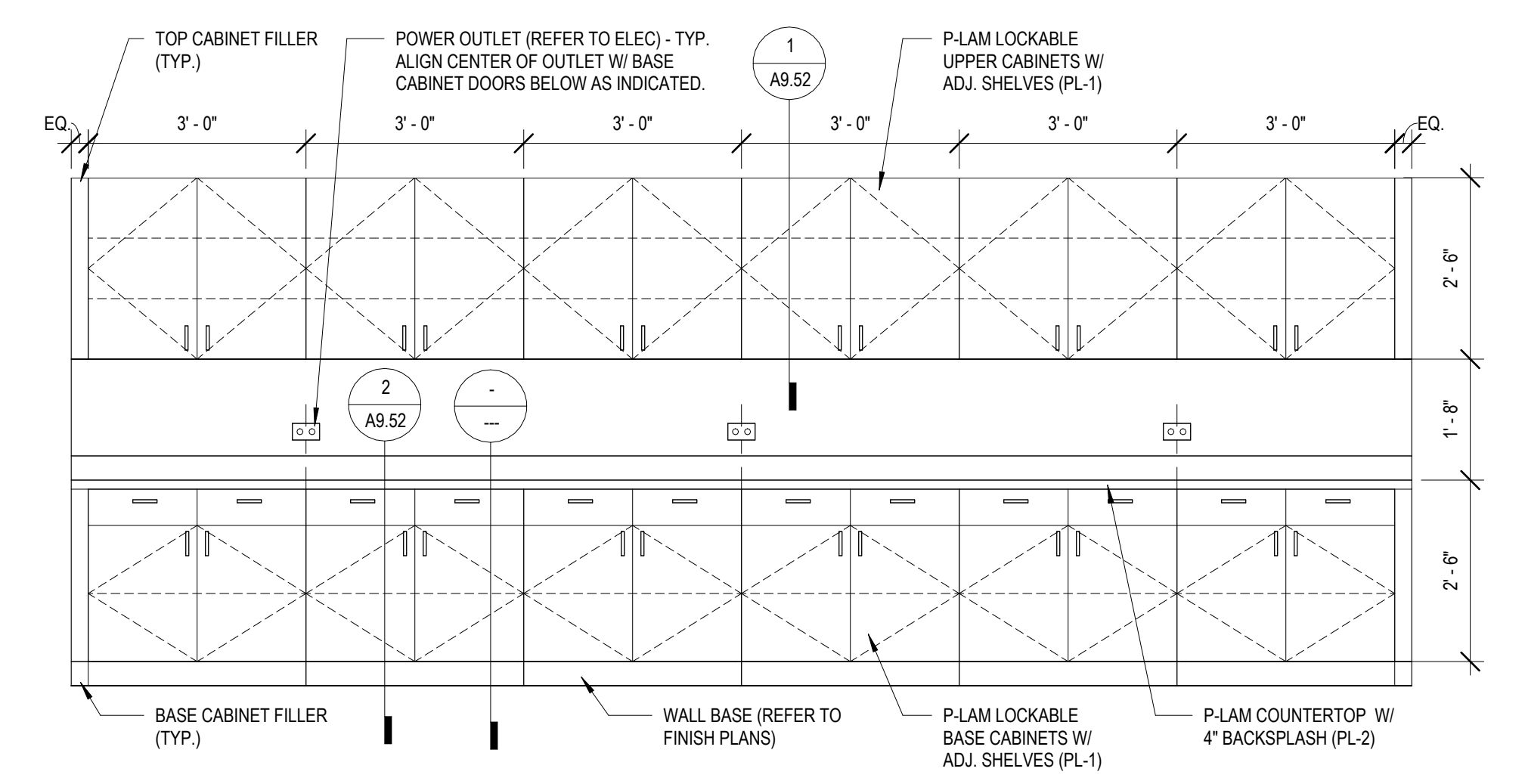
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**MILLWORK PLANS & DETAILS**

SHEET NUMBER:  
**A9.51**

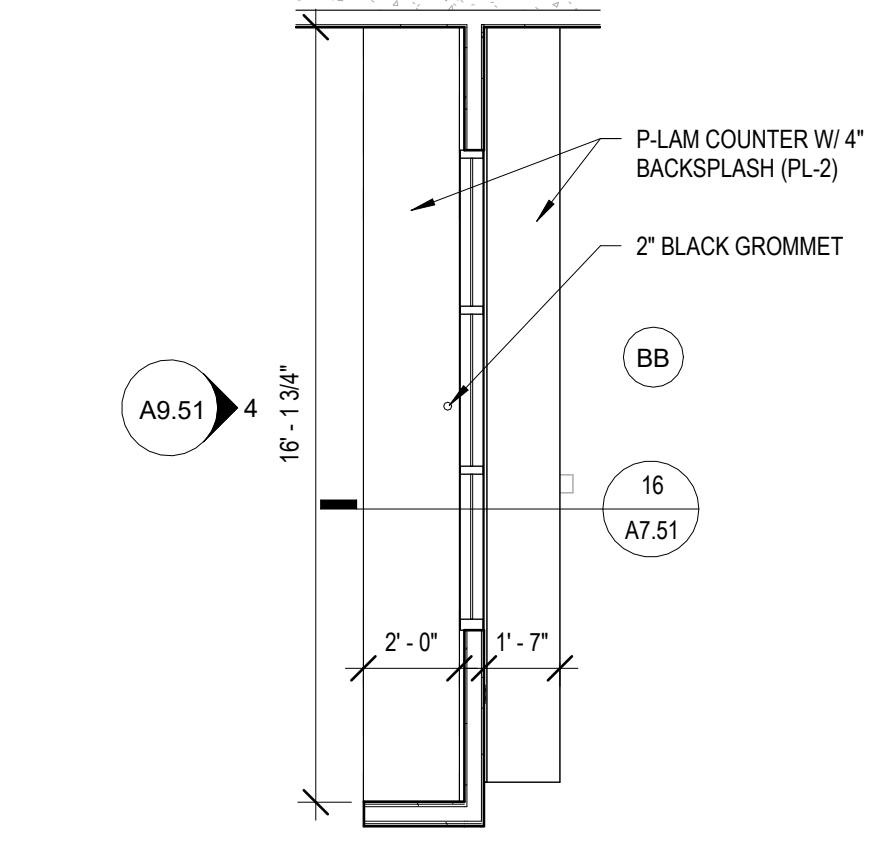
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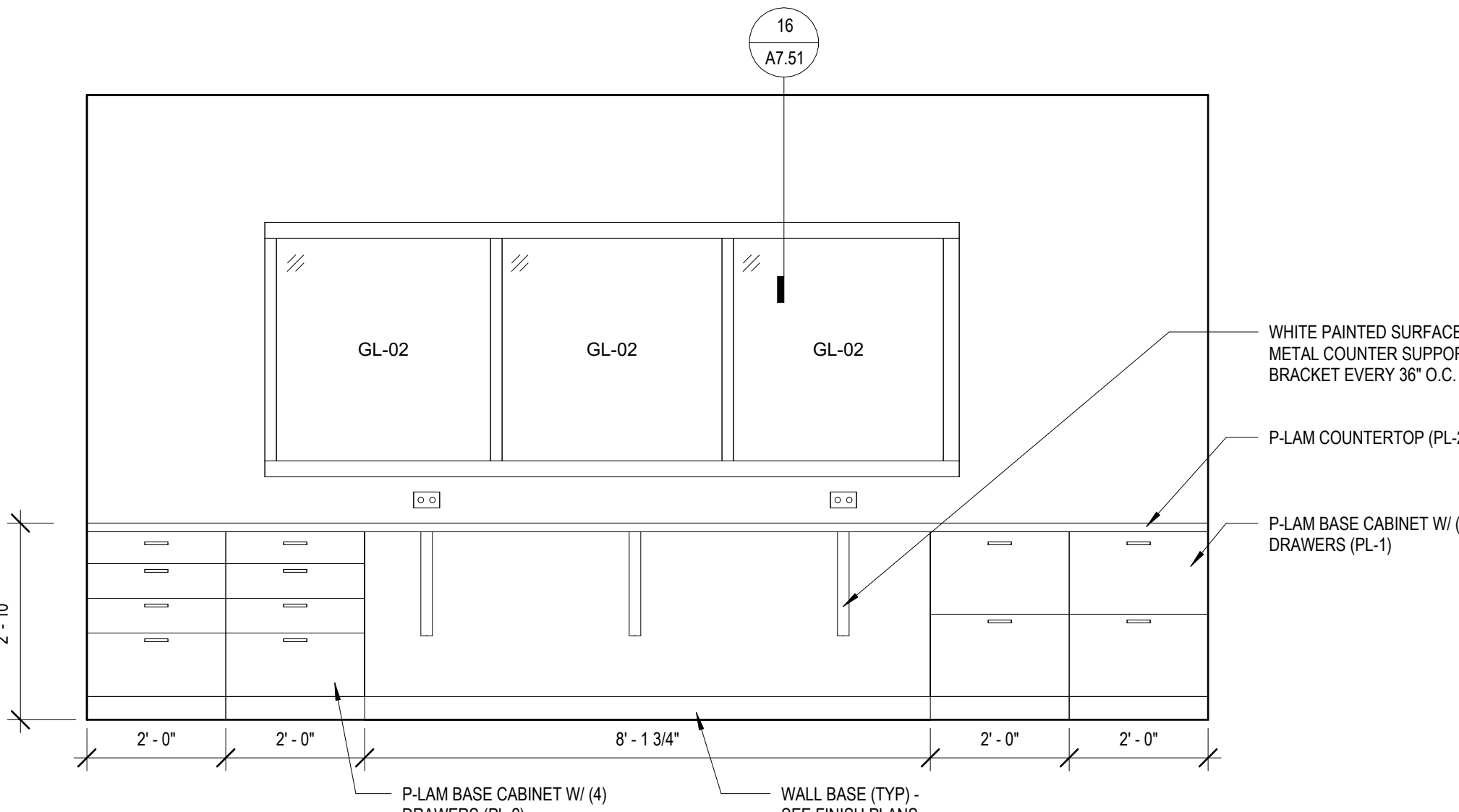
1 ENLARGED PLAN - MILLWORK - RESPIRATORY  
 1/4" = 1'-0"



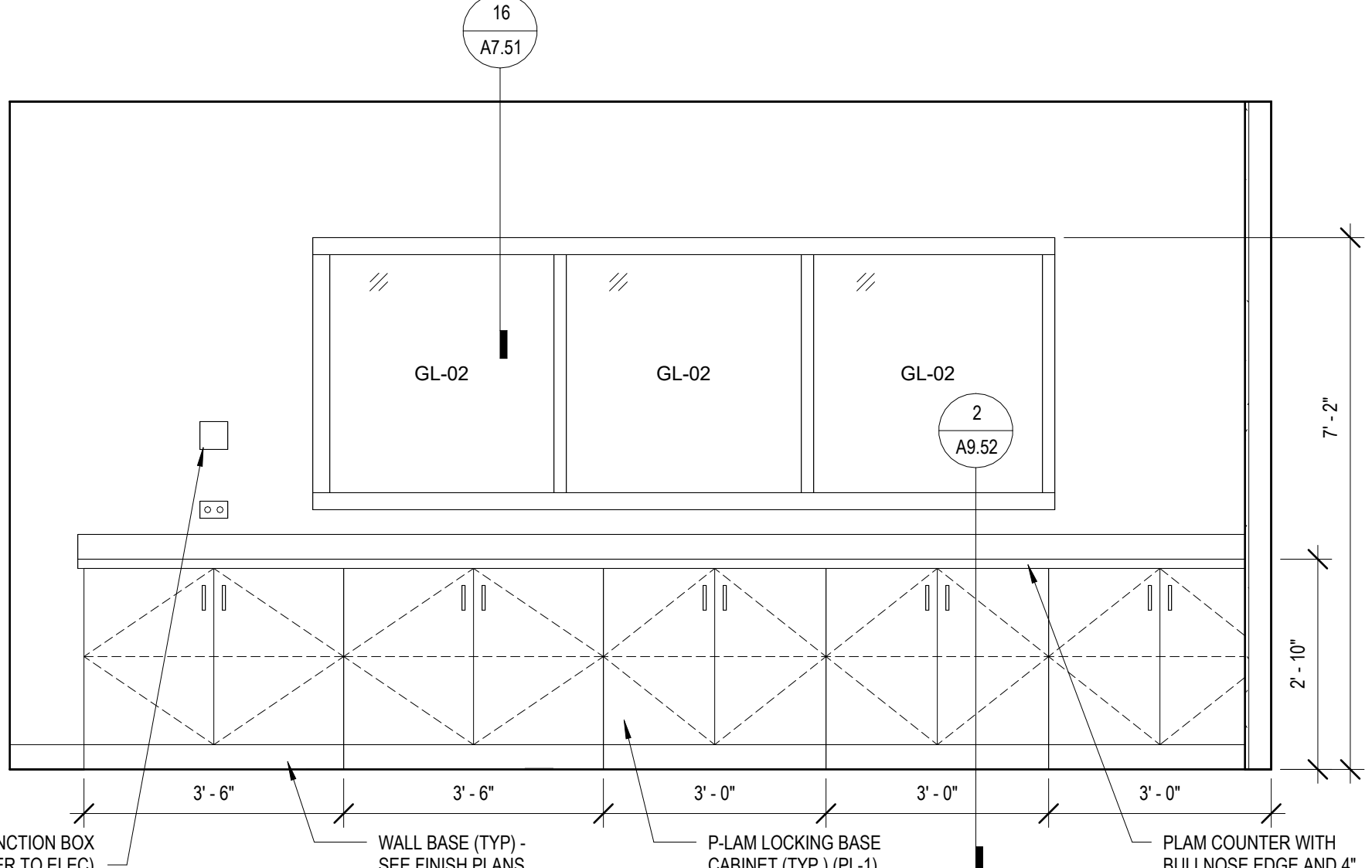
2 MILLWORK ELEVATION - RESPIRATORY  
 1/2" = 1'-0"



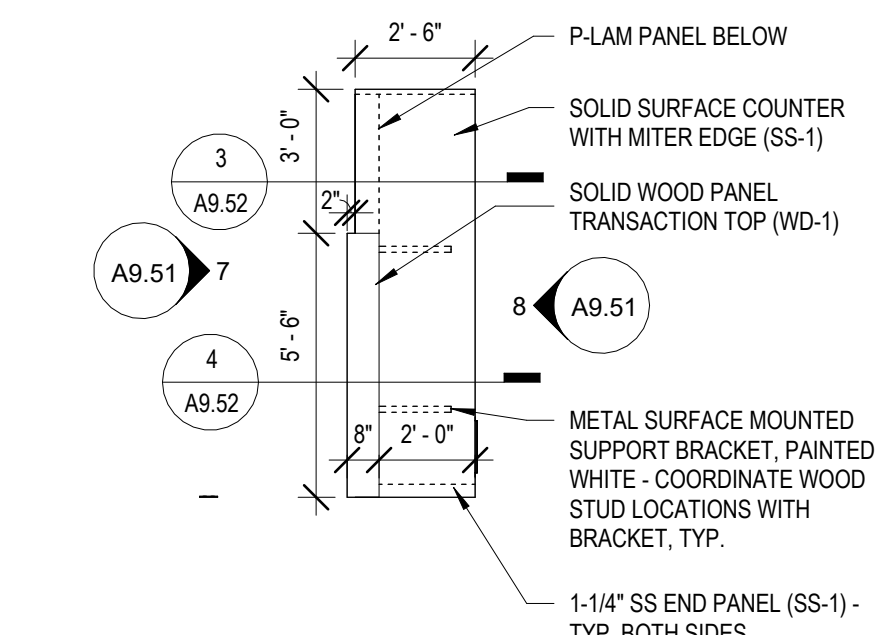
3 ENLARGED PLAN - MILLWORK - X-RAY ROOM  
 1/4" = 1'-0"



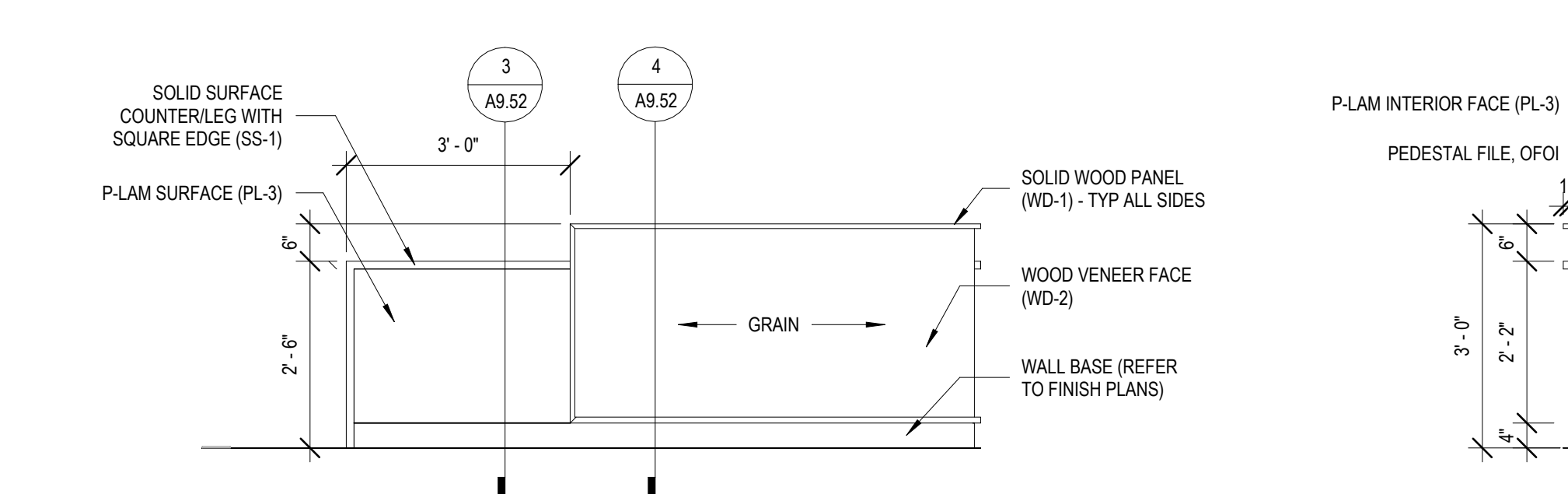
4 MILLWORK ELEVATION - X-RAY ROOM  
 1/2" = 1'-0"



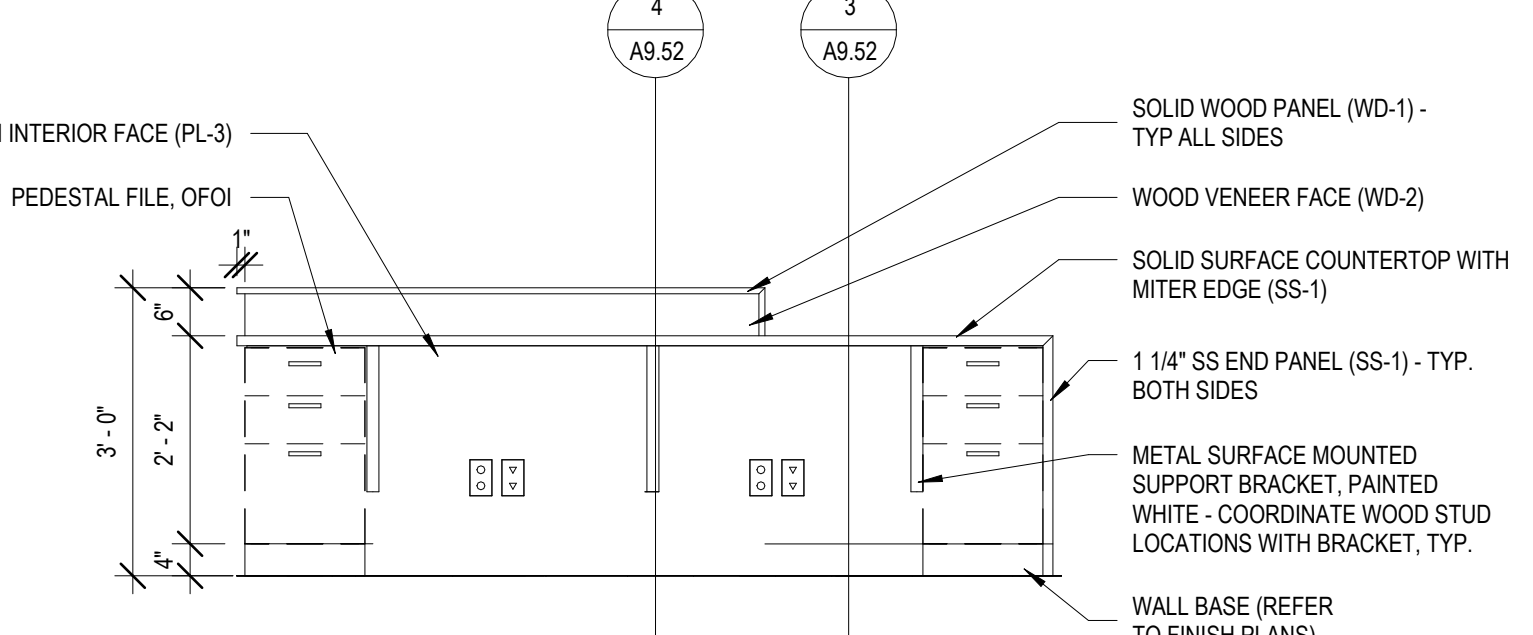
5 MILLWORK ELEVATION - X-RAY ROOM  
 1/2" = 1'-0"



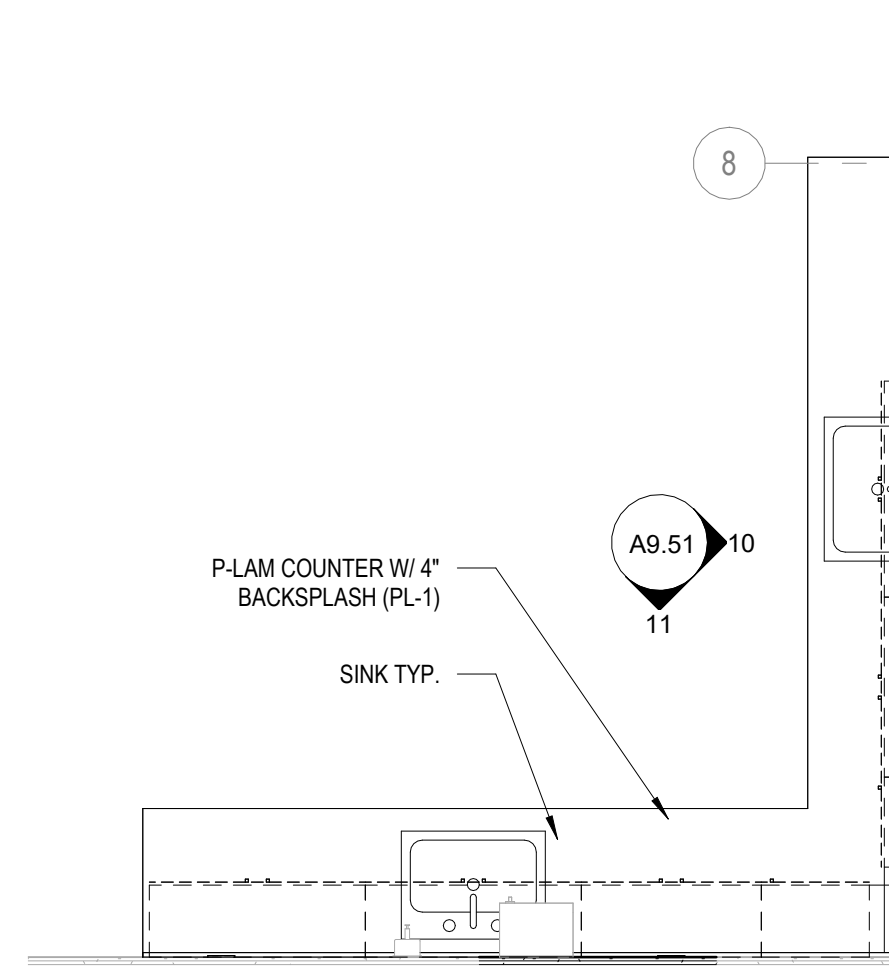
6 ENLARGED PLAN - MILLWORK - RADIOLOGY SUITE  
 1/4" = 1'-0"



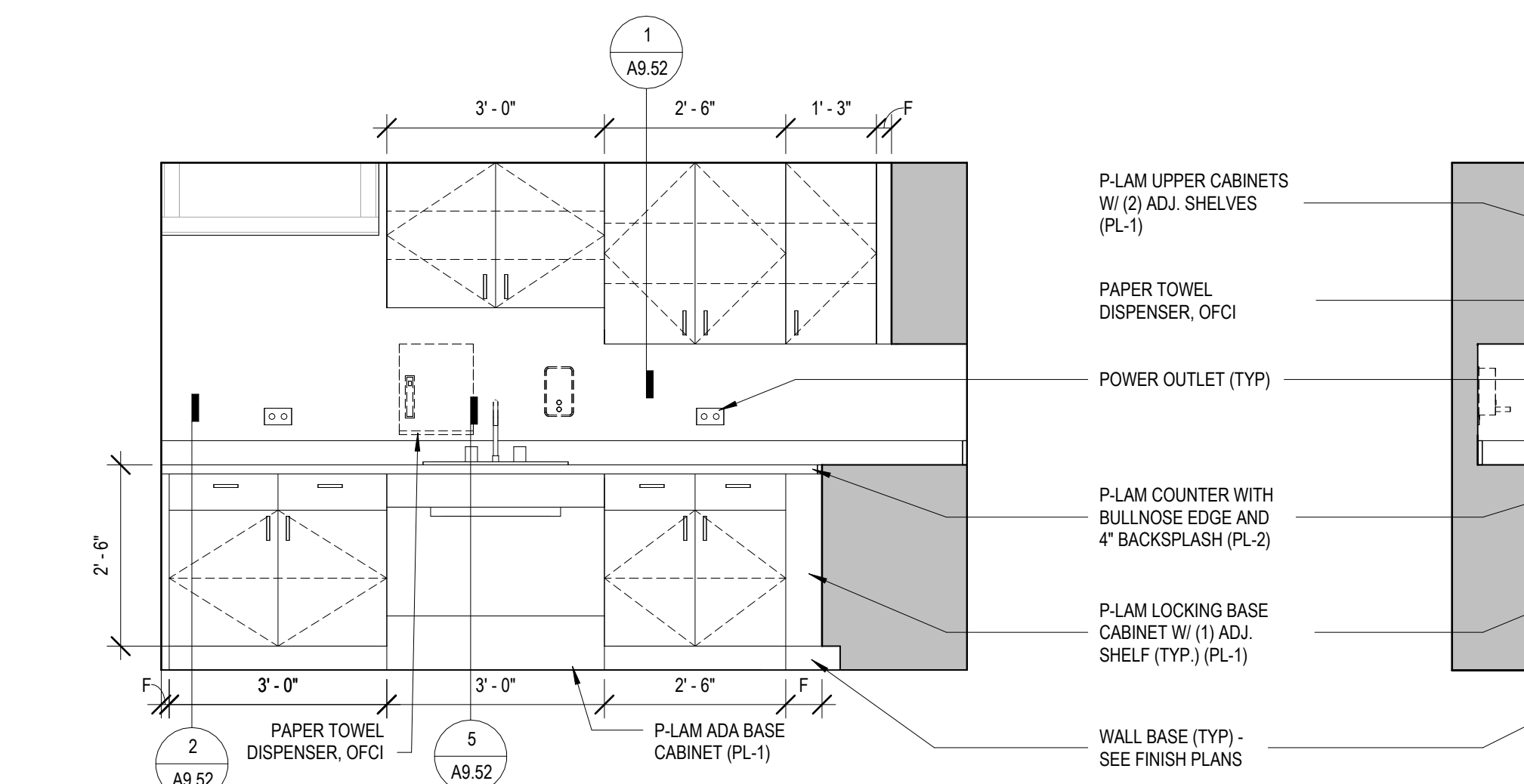
7 MILLWORK ELEVATION - RADIOLOGY SUITE  
 1/2" = 1'-0"



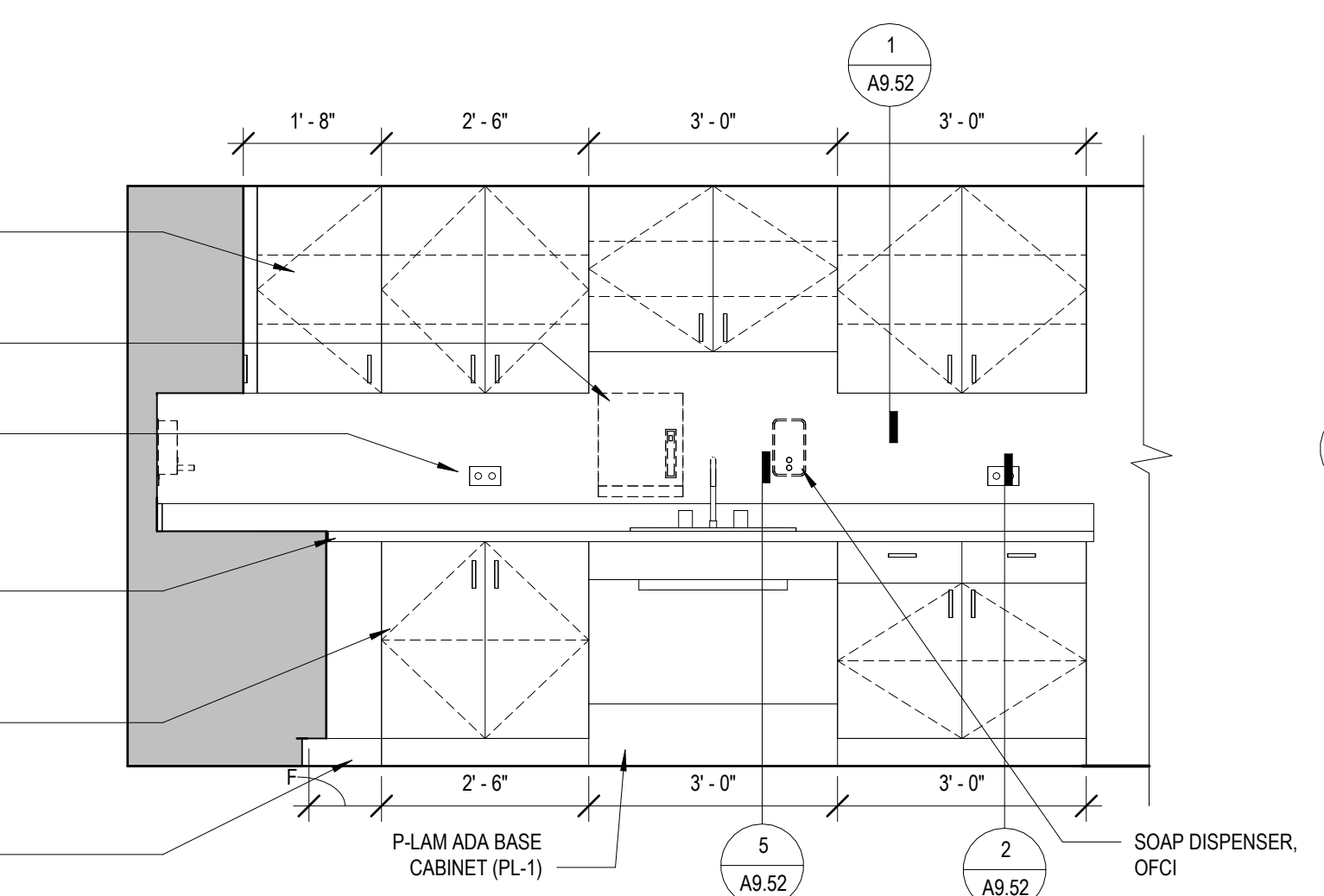
8 MILLWORK ELEVATION - RADIOLOGY SUITE  
 1/2" = 1'-0"



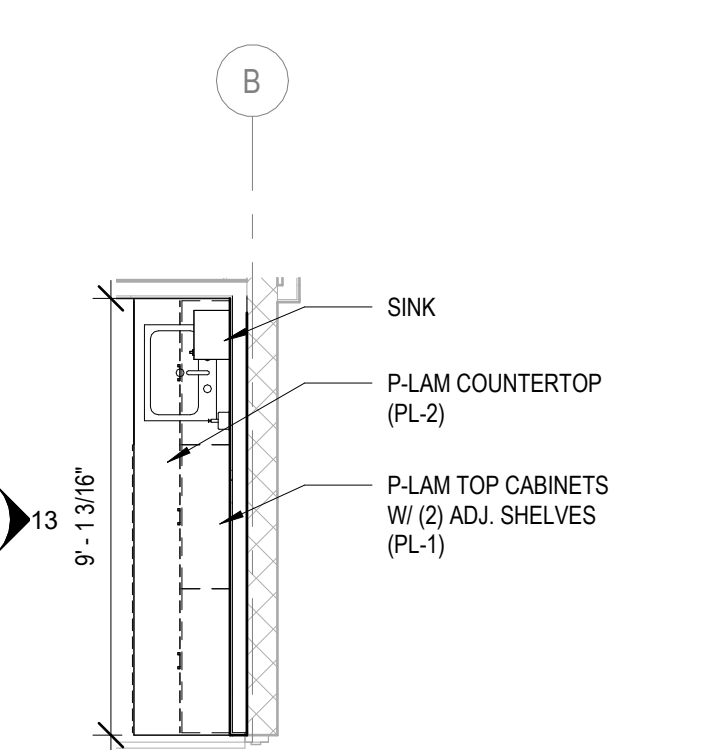
9 ENLARGED PLAN - MILLWORK - SONOGRAPHY LAB  
 3/8" = 1'-0"



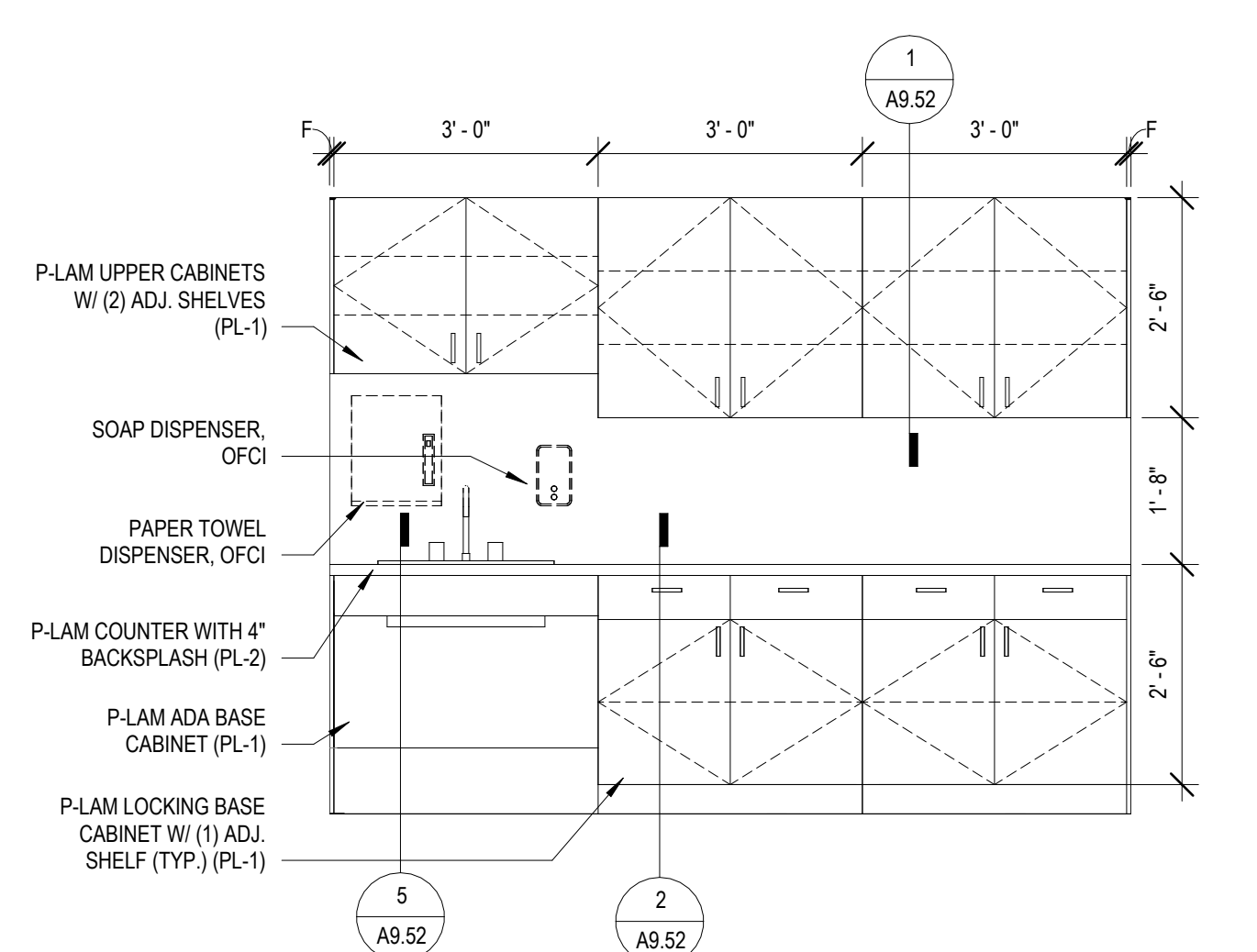
10 MILLWORK ELEVATION - SONOGRAPHY LAB  
 1/2" = 1'-0"



11 MILLWORK ELEVATION - SONOGRAPHY LAB  
 1/2" = 1'-0"



12 ENLARGED PLAN - MILLWORK - NURSING SKILLS  
 1/4" = 1'-0"



13 MILLWORK ELEVATION - NURSING SKILLS  
 1/2" = 1'-0"





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**McHenry County College  
 HEALTH SCIENCE 2024 RENOVATIONS**

8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032

KEY PLAN:

SHEET STATUS: 02/18/2025

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 FOR CONSTRUCTION**

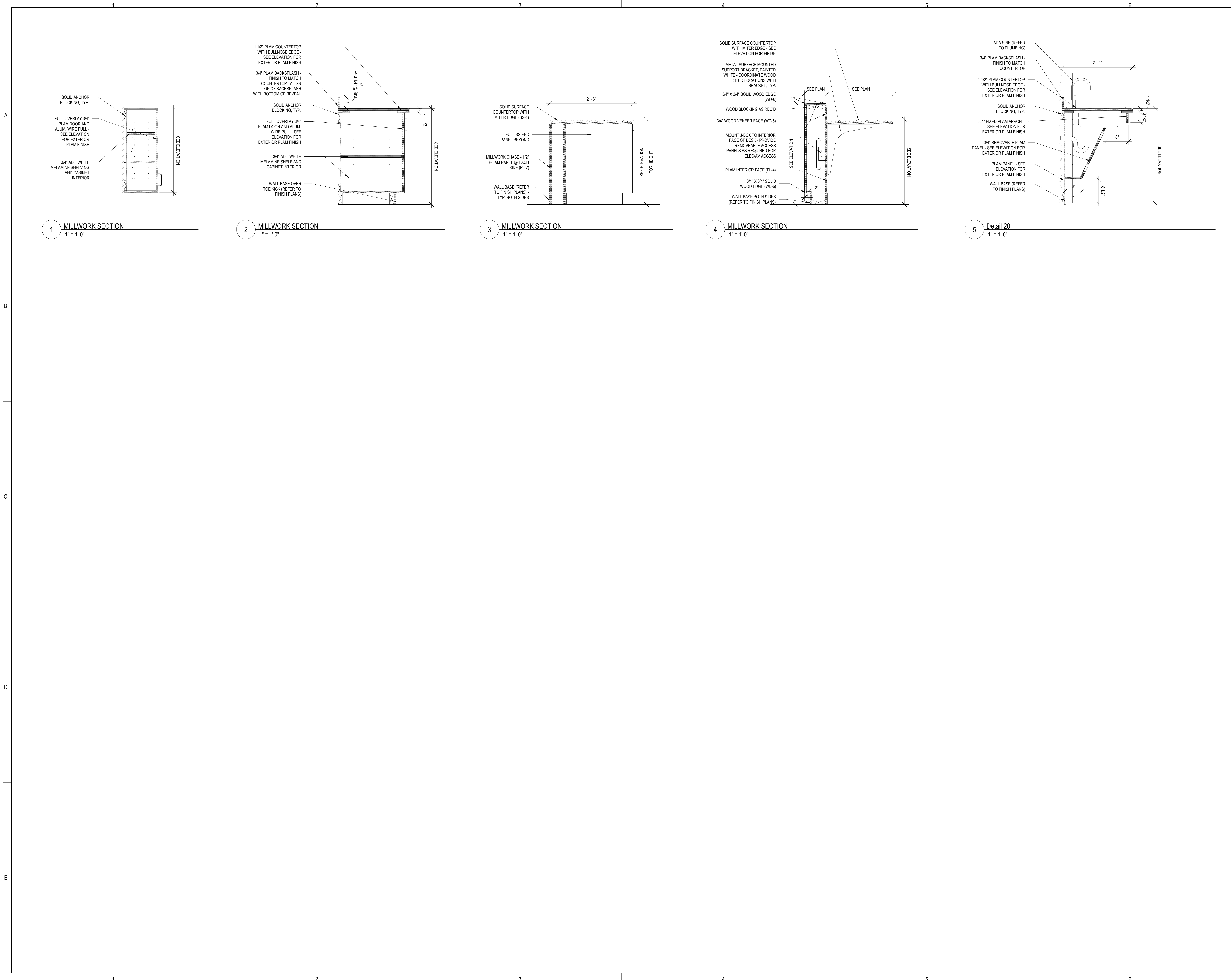
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SHEET TITLE:  
**MILLWORK SECTIONS**

SHEET NUMBER:

**A9.52**

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ARCHITECT OF  
**DEMÓNICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
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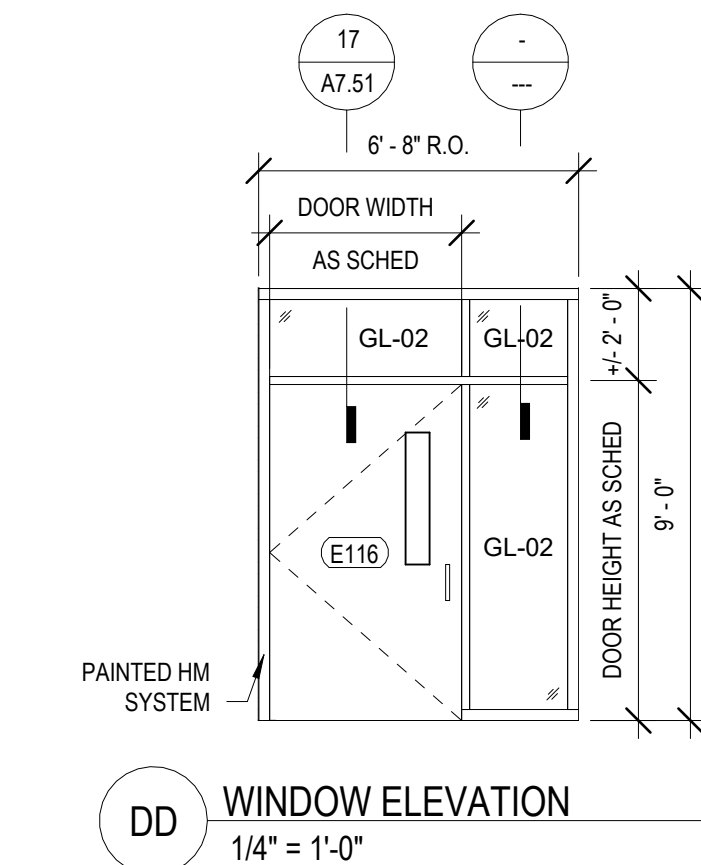
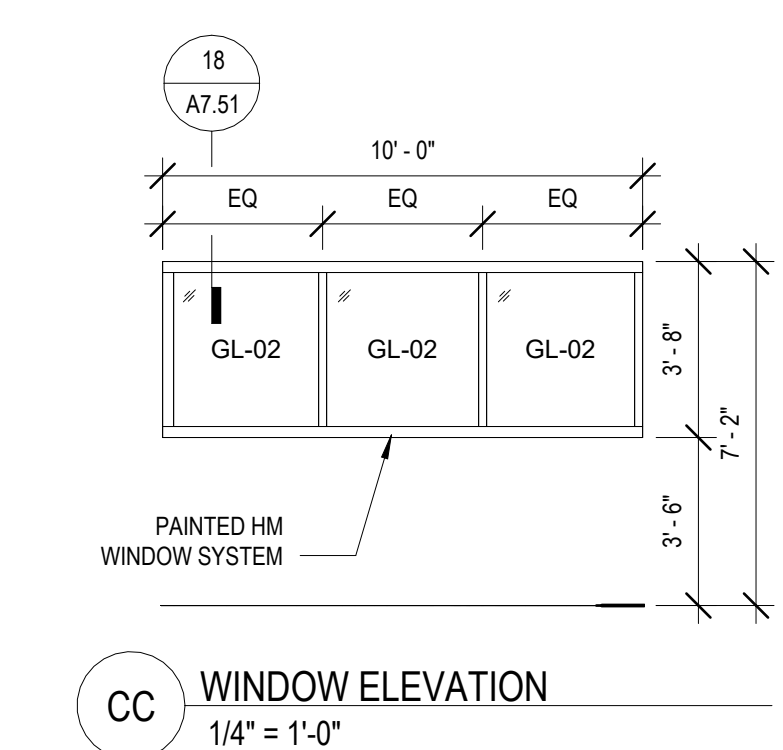
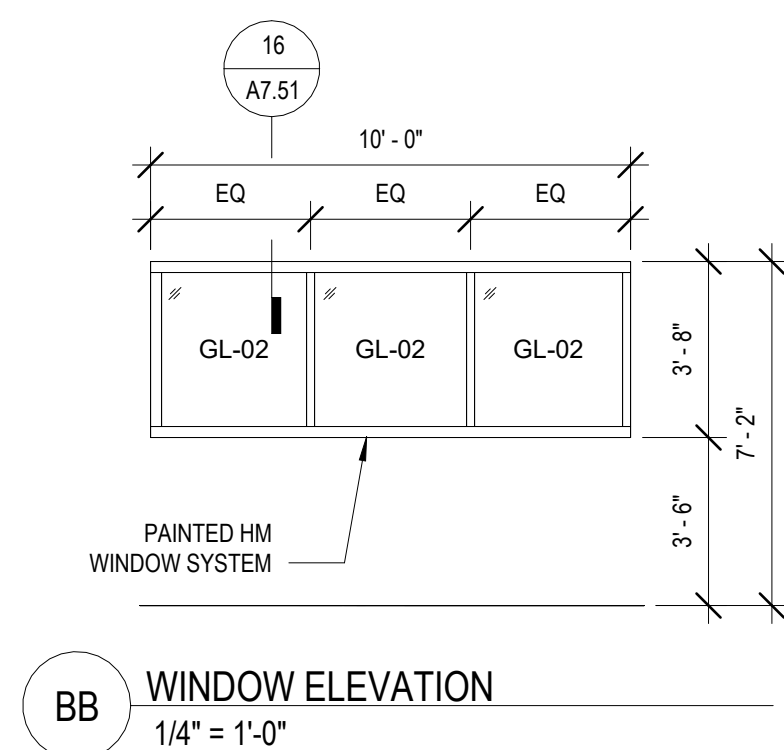
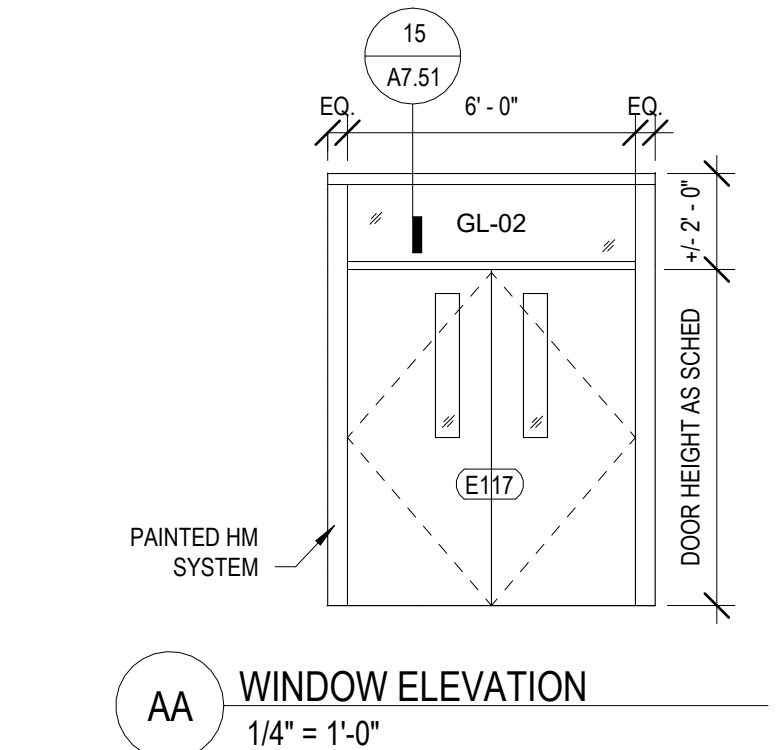
**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032

**DOOR AND FRAME SCHEDULE**

| NUMBER | ROOM NAME               | DOOR  |        |             |          | FRAME |              |          |      | HARDWARE SET | REMARKS |                                      |
|--------|-------------------------|-------|--------|-------------|----------|-------|--------------|----------|------|--------------|---------|--------------------------------------|
|        |                         | WIDTH | HEIGHT | FIRE RATING | MATERIAL | ELEV  | GLAZING TYPE | MATERIAL | ELEV |              |         | GLAZING TYPE                         |
| E116   | RADIOLOGY SUITE         | 4'-0" | 7'-0"  | -           | WD       | NHG   | GL-01        | HM       | -    | GL-02        |         | HM STOREFRONT SYSTEM (REFER TO ELEV) |
| E116A  | SONOGRAPHY LAB          | 4'-0" | 7'-0"  | -           | WD       | NHG   | GL-01        | HM       | A    | -            |         |                                      |
| E116B  | CONFERENCE ROOM         | 3'-0" | 7'-0"  | -           | WD       | FG    | GL-02        | HM       | B    | GL-02        |         |                                      |
| E116C  | X-RAY ROOM              | 4'-0" | 7'-0"  | -           | WD       | NHG   | GL-01        | HM       | A    | -            |         |                                      |
| E116D  | STORAGE                 | 4'-0" | 7'-0"  | -           | WD       | FL    | -            | HM       | A    | -            |         |                                      |
| E117   | RESPIRATORY LAB         | 6'-0" | 7'-0"  | -           | WD       | NHG   | GL-01        | HM       | -    | GL-02        |         | HM STOREFRONT SYSTEM (REFER TO ELEV) |
| E117A  | RESPIRATORY LAB STORAGE | 4'-0" | 7'-0"  | -           | WD       | FL    | -            | HM       | A    | -            |         |                                      |
| E218A  | OFFICES                 | 3'-0" | 7'-0"  | -           | WD       | FG    | GL-02        | HM       | A    | -            |         |                                      |

**GLAZING SCHEDULE**

|       |                           |
|-------|---------------------------|
| GL-01 | 1/4" CLEAR TEMPERED GLASS |
| GL-02 | 1/2" CLEAR TEMPERED GLASS |

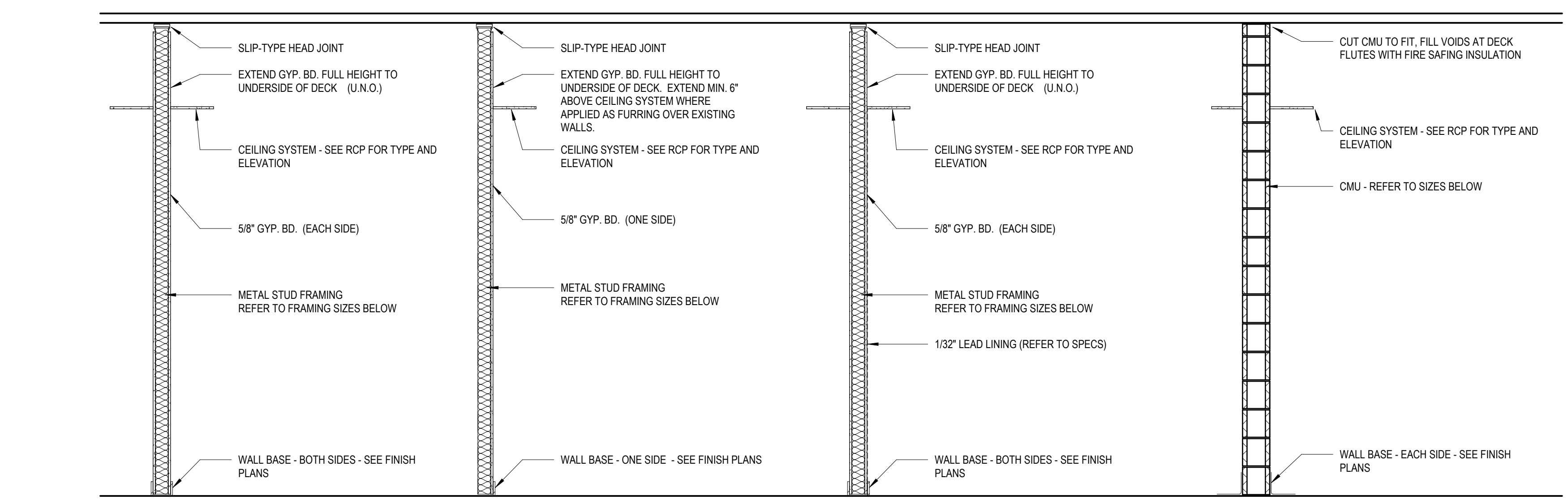


**AA WINDOW ELEVATION**  
1/4" = 1'-0"

**BB WINDOW ELEVATION**  
1/4" = 1'-0"

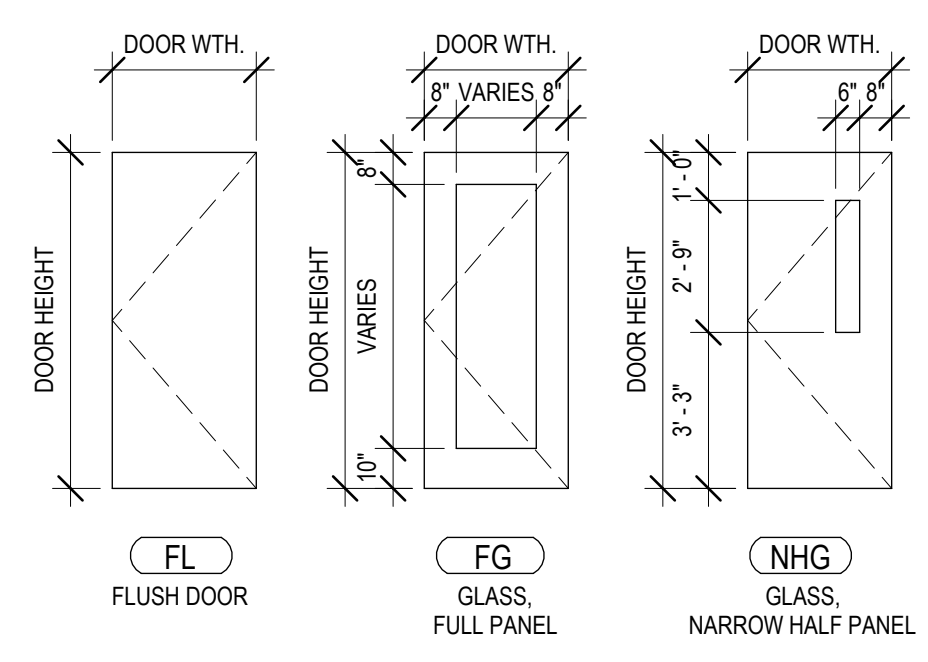
**CC WINDOW ELEVATION**  
1/4" = 1'-0"

**DD WINDOW ELEVATION**  
1/4" = 1'-0"

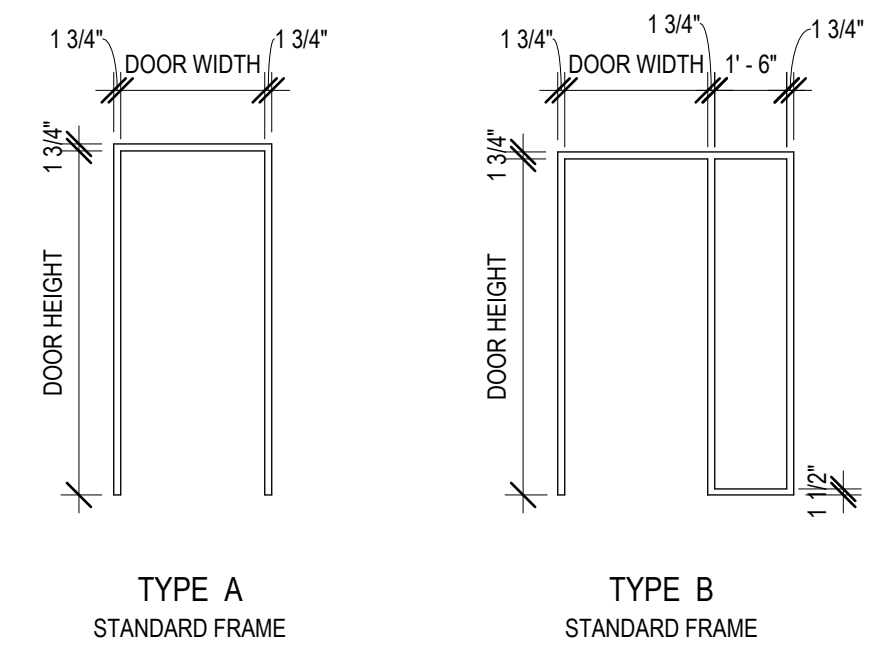


- A - GYP BD EACH SIDE**  
 CONSTRUCT PER ILL 1419 AT SMOKE AND 1-HR FIRE RESISTANCE RATED PARTITIONS
- S1A 1-5/8" METAL STUD FRAMING
  - S2A 2-1/2" METAL STUD FRAMING
  - S3A 3-5/8" METAL STUD FRAMING
  - S4A 4" METAL STUD FRAMING
  - S6A 6" METAL STUD FRAMING
- B - GYP BD ONE SIDE**
- S1B 1-5/8" METAL STUD FRAMING
  - S2B 2-1/2" METAL STUD FRAMING
  - S3B 3-5/8" METAL STUD FRAMING
  - S4B 4" METAL STUD FRAMING
  - S6B 6" METAL STUD FRAMING
- C - X-RAY WALL**  
 CONSTRUCT PER ILL 1419 AT SMOKE AND 1-HR FIRE RESISTANCE RATED PARTITIONS
- S1A 1-5/8" METAL STUD FRAMING
  - S2A 2-1/2" METAL STUD FRAMING
  - S3A 3-5/8" METAL STUD FRAMING
  - S4A 4" METAL STUD FRAMING
  - S6A 6" METAL STUD FRAMING
- D - MASONRY WALL**
- M4C 4" CMU
  - M6C 6" CMU
  - M8C 8" CMU
  - M10C 10" CMU
  - M12C 12" CMU

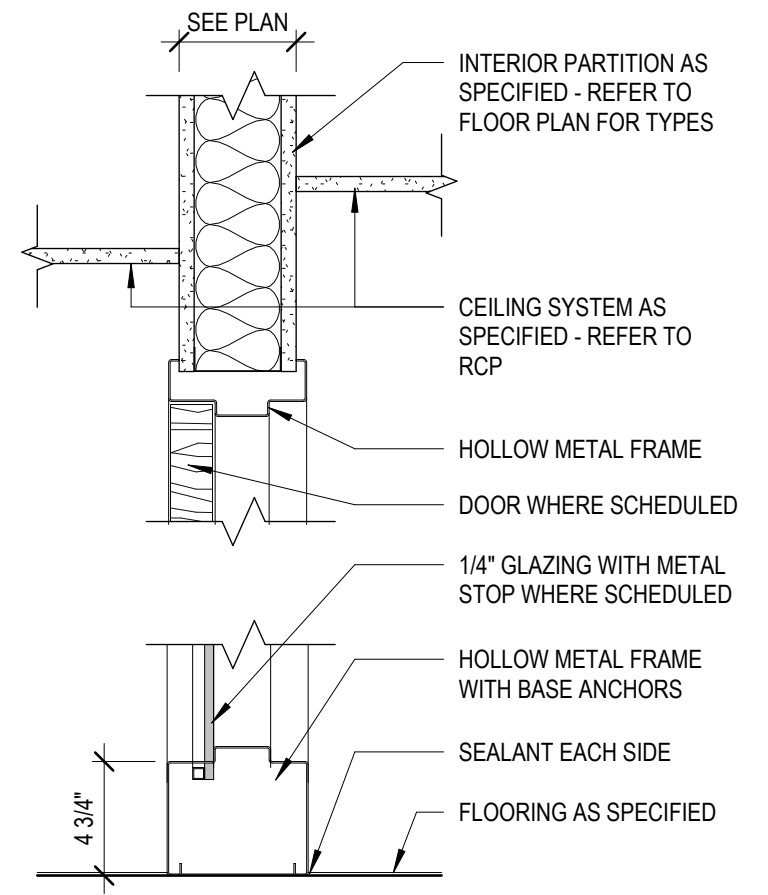
**5 WALL PARTITION TYPES**  
1/2" = 1'-0"



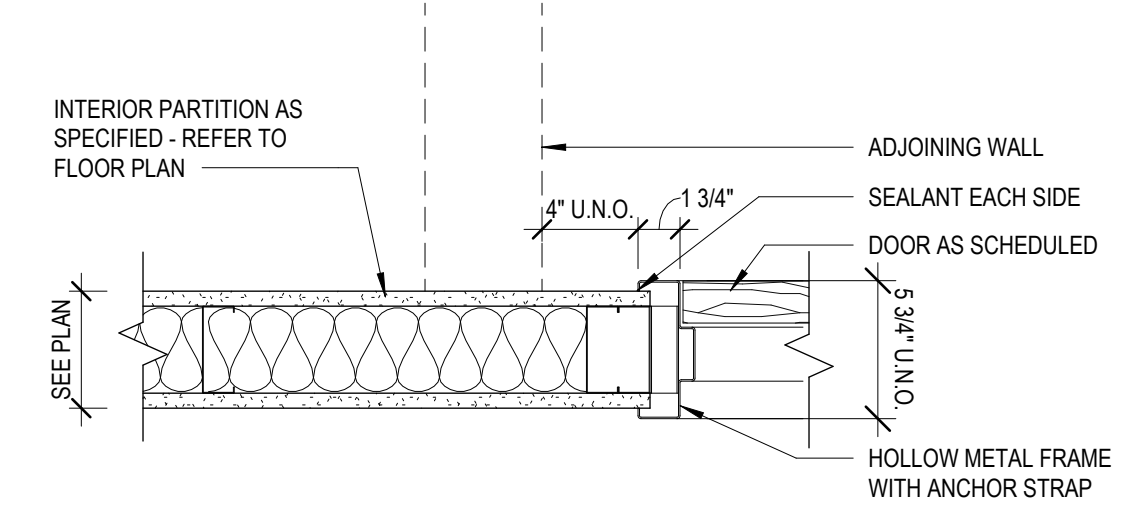
**1 DOOR ELEVATIONS**  
1/4" = 1'-0"



**2 FRAME ELEVATIONS**  
1/4" = 1'-0"



**3 HOLLOW METAL FRAME - HEAD & SILL**  
1 1/2" = 1'-0"



**4 HOLLOW METAL FRAME - JAMB**  
1 1/2" = 1'-0"

KEY PLAN:

SHEET STATUS: 02/18/2025  
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| NO. | DESCRIPTION: | DATE: |
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SHEET TITLE:  
**DOOR SCHEDULE, WINDOW ELEV, & WALL TYPES**

SHEET NUMBER:  
**A10.00**



ARCHITECT OF  
**DEMÓNICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

S / MEP / FP / T ENGINEERS:  
**IMEG CORP.**  
 1100 WARRENVILLE RD., SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032

**FINISH PLAN SYMBOLS LEGEND:**

|  |                  |  |                |  |                   |
|--|------------------|--|----------------|--|-------------------|
|  | WALL FINISH TYPE |  | WALL BASE TYPE |  | FLOOR FINISH TYPE |
|--|------------------|--|----------------|--|-------------------|

**FINISH PLAN GENERAL NOTES:**

- PAINT ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS.
- PAINT ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO: CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS.
- PROVIDE CEMENTITIOUS SELF-LEVELING UNDERLAYMENT AT REMOVAL OF EXISTING FLOOR DRAINS AS REQUIRED TO PROVIDE A LEVEL SUBSTRATE FOR NEW FLOOR FINISH.
- ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE.
- HOLLOW METAL DOORS AND FRAMES TO BE PAINTED PT-4 UNLESS NOTED OTHERWISE.
- AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE KICKS UNLESS NOTED OTHERWISE. REFER TO FLOOR PLANS FOR CASEWORK LOCATIONS.
- PAINT ALL GYP. BD. CEILINGS PT-1 UNLESS NOTED OTHERWISE.
- ALL CARPET TILE TO BE INSTALLED QUARTER TURNED UNLESS SPECIFIED OTHERWISE.
- PAINT INFILL TO MATCH ADJACENT WALL FINISH - COORDINATE WITH OWNER FOR REQUIRED PAINT COLOR FOR COLOR MATCH.
- PROVIDE BASE TO MATCH ADJACENT WALLS - COORDINATE WITH OWNER FOR BASE COLOR SELECTION.

**WALL FINISH TYPES:**

| TYPE | DESCRIPTION   | MANUFACTURER                              | NAME#/COLOR   |
|------|---------------|---|---|
| PT-1 | GENERAL PAINT | SHERWIN WILLIAMS SUPERPAINT, SATIN FINISH | COLOR MATCH BENJAMIN MOORE 2126-70 CHALK WHITE                            |
| PT-2 | ACCENT PAINT  | SHERWIN WILLIAMS SUPERPAINT, SATIN FINISH | COLOR MATCH BENJAMIN MOORE 757 BAYVILLE BLUE                              |
| PT-3 | ACCENT PAINT  | SHERWIN WILLIAMS SUPERPAINT, SATIN FINISH | COLOR MATCH BENJAMIN MOORE 254-9 BLUE CALYPSO                             |
| PT-4 | HM PAINT      | SHERWIN WILLIAMS SUPERPAINT, SATIN FINISH | COLOR MATCH TO EXISTING DARK BROWN. COORD WITH OWNER FOR COLOR MATCH CODE |

**WALL BASE TYPES:**

| TYPE | DESCRIPTION              | MANUFACTURER | NAME#/COLOR    |
|------|--------------------------|--------------|----------------|
| RB-1 | 4"Y COVE RUBBER BASE     | JOHNSONITE   | 63 BURNT UMBER |
| RB-2 | 4"Y STRAIGHT RUBBER BASE | JOHNSONITE   | 63 BURNT UMBER |

**FLOOR FINISH TYPES:**

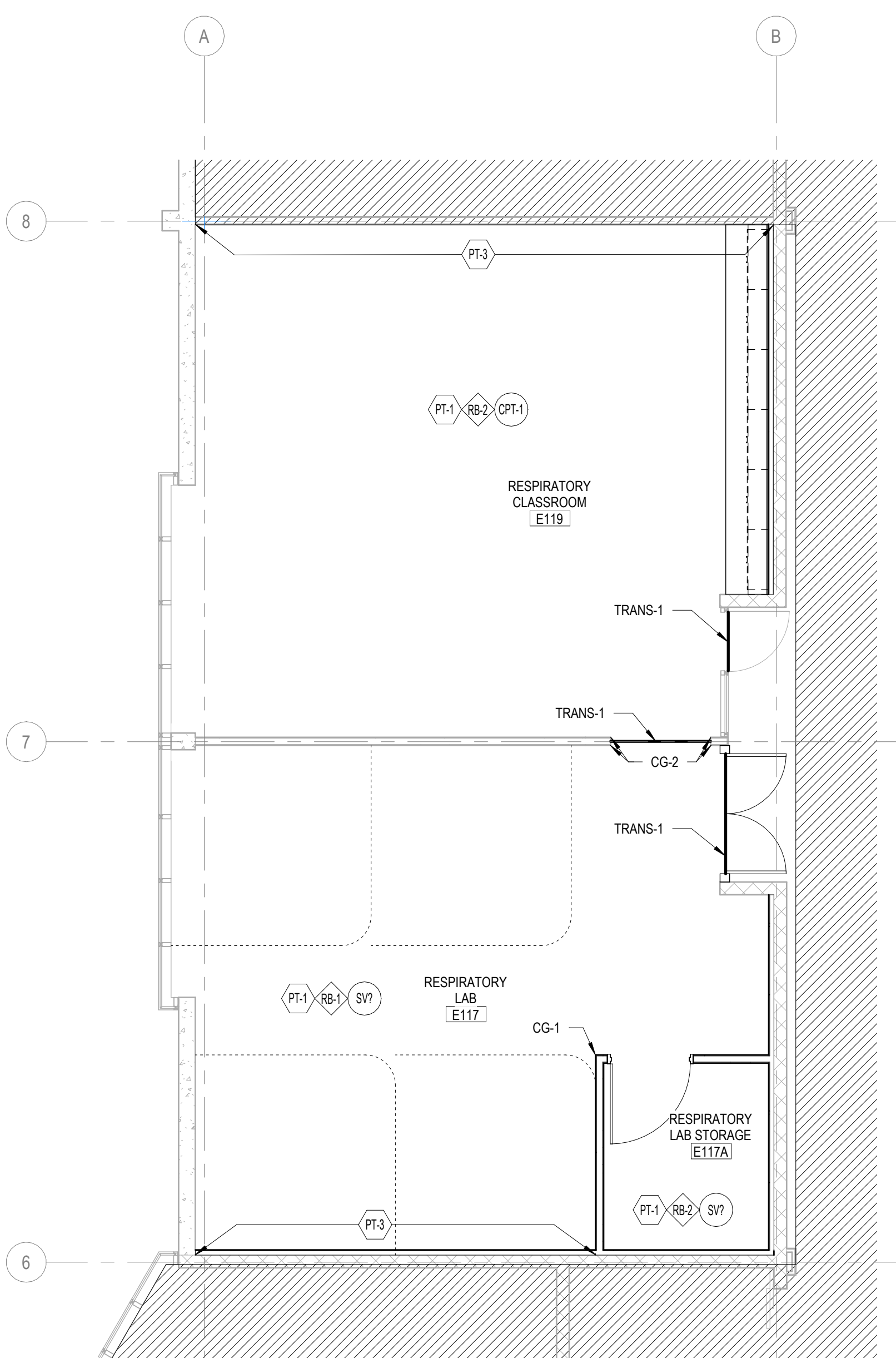
| TYPE  | DESCRIPTION | MANUFACTURER | NAME#/COLOR   |
|-------|-------------|--------------|---|
| CPT-1 | CARPET TILE | PATCRAFT     | 10467 SLOPE SIZE 12" X 48" COLOR: 00599 POINT INSTALL: MONOLITHIC |
| SV-1  | SHEET VINYL | TEKNOFLOR    | NAME: TIMBERSCAPES COLOR: S1025 BEECH                             |

**FLOOR TRANSITION TYPES:**

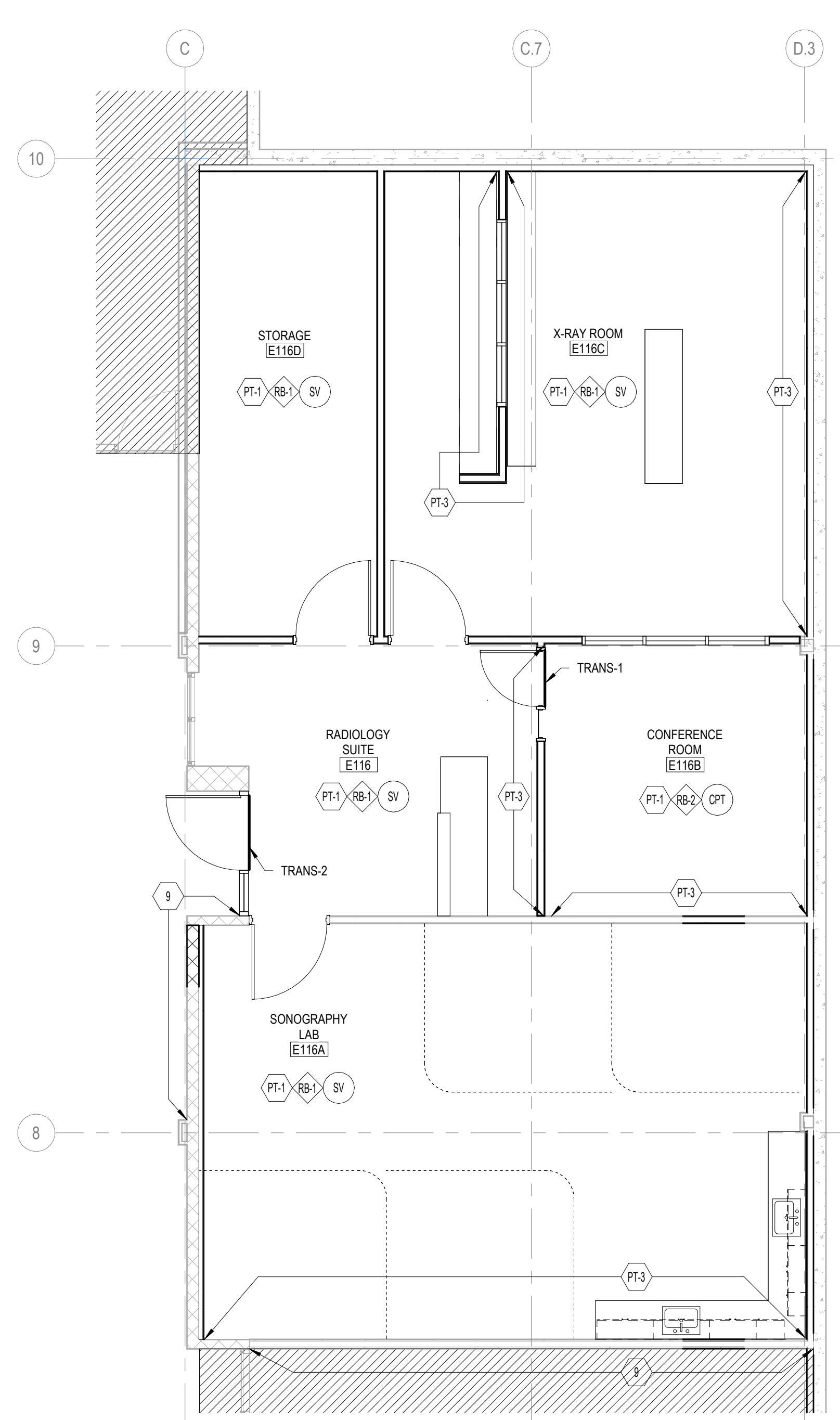
| TYPE    | DESCRIPTION | MANUFACTURER | NAME#/COLOR           |
|---------|-------------|--------------|-----------------------|
| TRANS-1 | 18" TO 14"  | JOHNSONITE   | SLT-63-A: BURNT UMBER |
| TRANS-2 | 18" TO 18"  | JOHNSONITE   | SLT-63-B: BURNT UMBER |

**CORNER GUARD TYPES:**

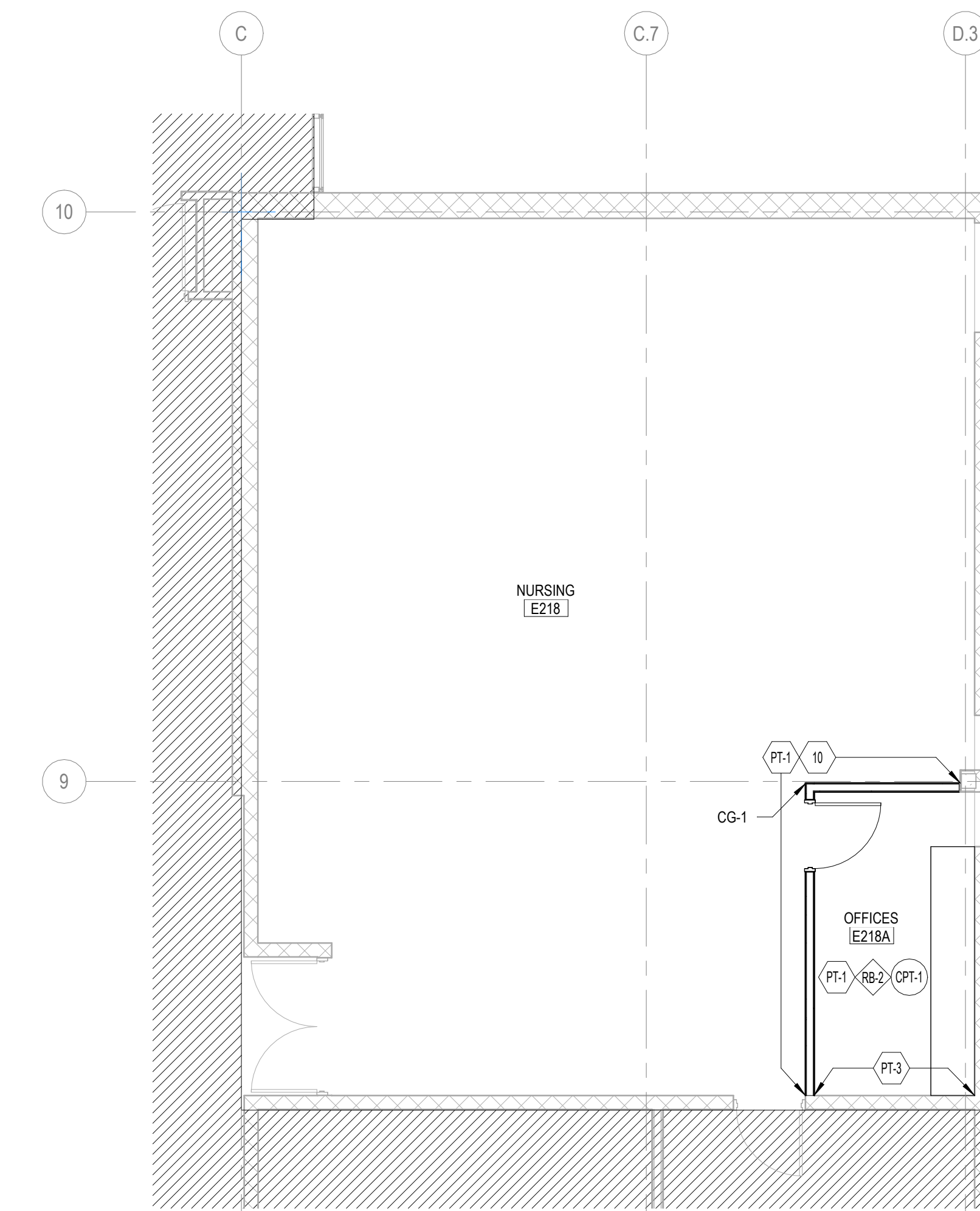
| TYPE | DESCRIPTION | MANUFACTURER | NAME#/COLOR  |
|------|-------------|--------------|--|
| CG-1 | WHITE       | CS GROUP     | VA VARIES, 3/4" X 3/4" ADHESIVE APPLIED, FULL HEIGHT, COLOR: WHITE 949 |
| CG-2 | WHITE       | INPRO        | FLUSH MOUNT END WALL PROTECTOR - INPRO, COLOR: WHITE                   |



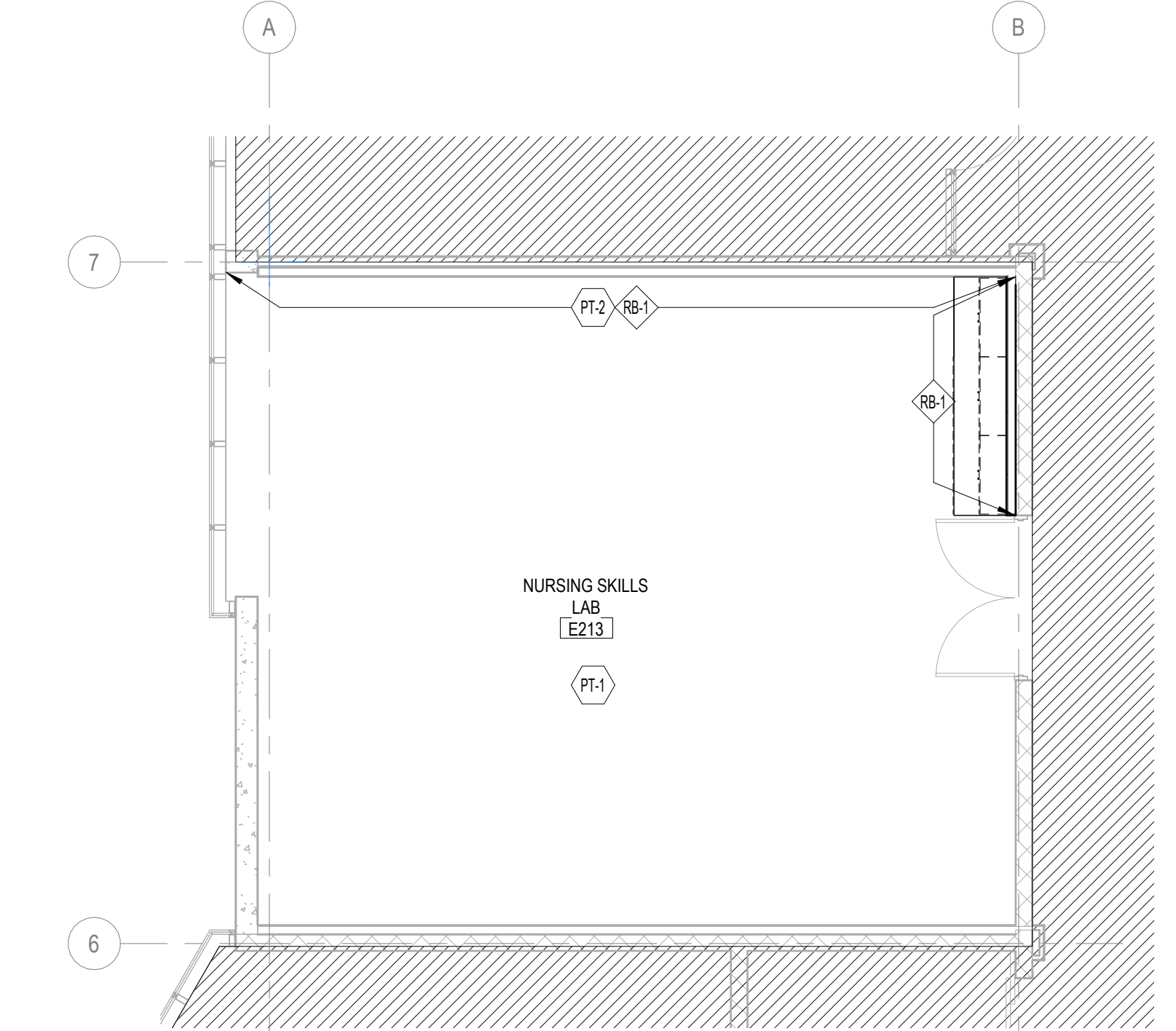
1 FINISH PLAN - LEVEL 1 - RESPIRATORY  
 3/16" = 1'-0"  
 TRUE NORTH



2 FINISH PLAN - LEVEL 1 - RADIOLOGY  
 3/16" = 1'-0"  
 TRUE NORTH



3 FINISH PLAN - LEVEL 2 - NURSING  
 3/16" = 1'-0"  
 TRUE NORTH



4 FINISH PLAN - LEVEL 2 - NURSING SKILLS  
 3/16" = 1'-0"  
 TRUE NORTH

KEY PLAN:

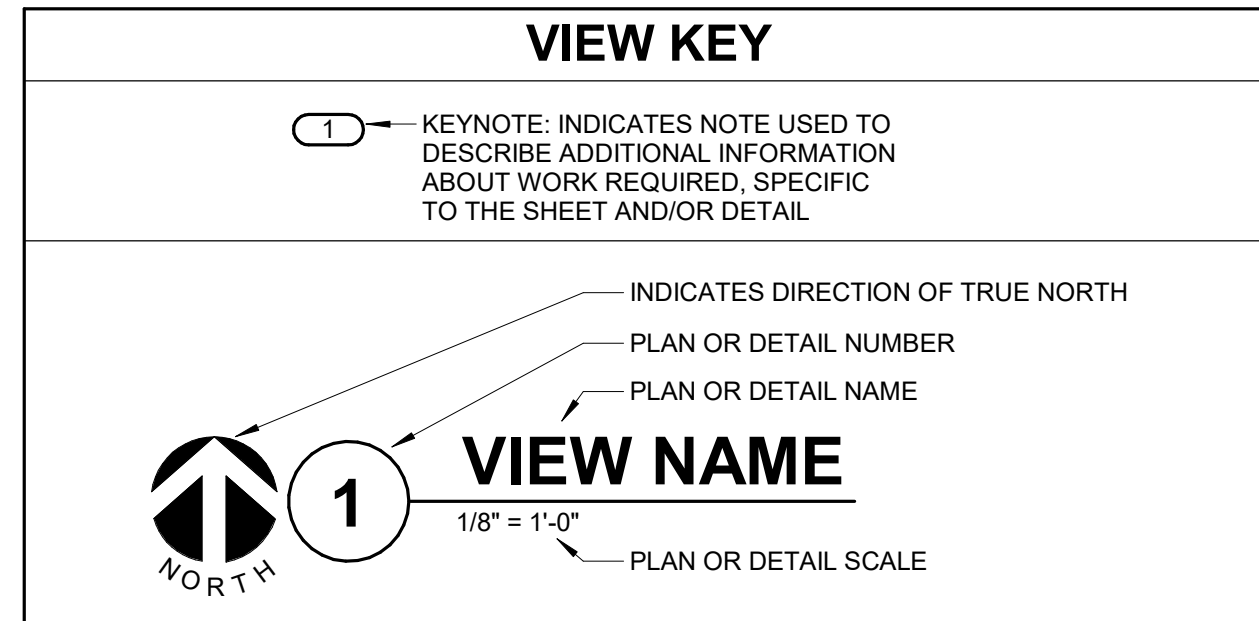
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SHEET TITLE:  
**FINISH PLAN**

SHEET NUMBER:  
**A11.01**





**MECHANICAL SYMBOL LIST**

NOT ALL SYMBOLS MAY APPLY.

| SYMBOL: | DESCRIPTION:  |
|---------|---|
|         | HEATING WATER RETURN  |
|         | HEATING WATER SUPPLY  |
|         | PIPE CAP  |
|         | PIPE DOWN   |
|         | PIPE UP OR UP/DOWN  |
|         | SHUTOFF VALVE NORMALLY OPEN                                       |
|         | BALANCING VALVE (NUMBER INDICATES GPM)                            |
|         | CONTROL VALVE (TWO-WAY)   |
|         | SOLENOID VALVE  |
|         | CHECK VALVE   |
|         | FLEXIBLE DUCT   |
|         | MANUAL VOLUME DAMPER  |
|         | DUCT CAP  |
|         | DUCT DOWN   |
|         | DUCT UP   |
|         | SUPPLY/OUTSIDE AIR DUCT SECTION                                   |
|         | RETURN AIR DUCT SECTION   |
|         | EXHAUST/RELIEF AIR DUCT SECTION                                   |
|         | AIR TERMINAL PROPERTIES SYMBOL<br>NECK SIZE/CFM                   |
|         | FAN POWERED TERMINAL AIR BOX w/REHEAT COIL<br>(REFER TO SCHEDULE) |
|         | THERMOSTAT/SENSOR   |

**MECHANICAL ABBREVIATION KEY**

| ABBR: | DESCRIPTION:      |
|-------|-------------------|
| E     | EXISTING          |
| RA    | RETURN/RELIEF AIR |
| SA    | SUPPLY AIR        |
| TD    | TRANSFER DUCT     |
| TY    | TYPICAL           |

- TAB PRE-DEMOLITION NOTES:**
- BEFORE ANY DEMOLITION WORK IS BEGUN A COMPLETE AIR BALANCE TEST SHALL BE PERFORMED BY THE TESTING, ADJUSTING AND BALANCING (TAB) CONTRACTOR ON EXISTING AIR HANDLERS AND EXHAUST FANS SERVING THE AREAS AFFECTED BY CONSTRUCTION. EQUIPMENT TO BE DEMOLISHED DOES NOT REQUIRE TESTING. PROVIDE AIR BALANCE TESTING ONLY ON EQUIPMENT THAT WILL CONTINUE TO BE USED TO SERVE RENOVATED AREAS AFTER THE CONSTRUCTION PHASE IS COMPLETED.
  - TAB CONTRACTOR SHALL COMPLETE AND SUBMIT FOUR COPIES OF THE FINAL PRE-DEMOLITION REPORT WITHIN 10 WORKING DAYS AFTER THE FIELD MEASUREMENTS ARE COMPLETED. FINAL TAB REPORT SHALL BE SUBMITTED FOR REVIEW TO THE ARCHITECT/ENGINEER. TESTING SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.
  - BALANCING CONTRACTOR SHALL PRE-BALANCE ALL EXISTING SYSTEMS TO REMAIN PER SPECIFICATION SECTION 23 05 93. BALANCE READINGS WILL BE REQUIRED AT AIR OUTLETS AND DUCT TRAVERSES TO VERIFY EXISTING AIRFLOW TO UNAFFECTED SPACES.

- TAB POST-CONSTRUCTION NOTES:**
- AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING (TAB) AND BALANCING CONTRACTOR SHALL REBALANCE AIR HANDLING UNITS AND EXHAUST FANS AS REQUIRED TO ACHIEVE THE NEW AIRFLOW VALUES SHOWN ON THE CONSTRUCTION DRAWINGS.
  - TAB CONTRACTOR SHALL COMPLETE AND SUBMIT COPIES OF THE FINAL POST-CONSTRUCTION TAB REPORT AS REQUIRED BY SECTION 23 05 93.
  - THE FINAL POST CONSTRUCTION REPORT SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.

- MECHANICAL RENOVATION NOTES:**
- THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO FIRE PROTECTION, PLUMBING, VENTILATION AND PIPING.
- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
  - NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION, RISERS AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
  - THE CONSTRUCTION MANAGER SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
  - EACH CONTRACTOR SHALL CUT AND PATCH ROOFS, WALLS, AND FLOORS ASSOCIATED WITH THEIR WORK.
  - THE CONSTRUCTION MANAGER IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS.
  - WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
  - PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
  - OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
  - DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

- VENTILATION GENERAL NOTES:**
- UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO AN AIR TERMINAL SHALL MATCH THE INLET SIZE.
  - ALIGN TEMPERATURE SENSORS WITH LIGHT SWITCHES AND WHEN IN CLOSE PROXIMITY TO EACH OTHER.
  - PROVIDE ACCESS DOORS AT ALL DUCT MOUNTED EQUIPMENT.
  - EXISTING AIR INLET AND OUTLET CFM SHOWN ON DRAWINGS ARE FROM EXISTING DRAWINGS, AND ARE FOR REFERENCE ONLY. CONTRACTOR SHALL USE PRE-BALANCE VALUES, AND NOT EXISTING CFM SHOWN ON DRAWINGS.
  - CONTRACTOR MAY REUSE PORTIONS OF EXISTING DUCT PROVIDED SIZES AND PRESSURE CLASSES ARE CORRECT, DUCT IS THOROUGHLY CLEANED AND FREE OF DEFECTS, AND ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS ARE SEALED AS SPECIFIED FOR NEW DUCTWORK.
  - CLEAN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK UPSTREAM OF ALL NEW CONNECTIONS PER SPECIFICATION SECTION 23 31 00.

- MECHANICAL GENERAL NOTES:**
- THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.
- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONDITIONS PERMIT.
  - DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES, PRIOR TO CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
  - REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
  - ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
  - EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
  - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
  - EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATINGS, AND FINISH.
  - SEAL ALL FLOOR AND WALL AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
  - CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
  - DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
  - DO NOT EXCEED 25 LBS PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER WHEN ATTACHING TO METAL ROOF DECKING (LIMITATION NOT REQUIRED WITH CONCRETE ON METAL DECK). THIS 25 LBS. LOAD AND 2'-0" SPACING INCLUDE ADJACENT ELECTRICAL AND ARCHITECTURAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, SUPPLEMENTAL FRAMING OFF STEEL FRAMING SHALL BE ADDED. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

**MECHANICAL SHEET INDEX**

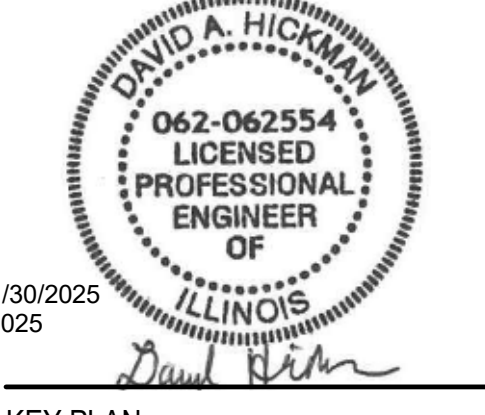
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|----------------|---------------------------------|
| MD.00          | HVAC COVERSHEET                 |
| MD1.00         | OVERALL DEMOLITION PLANS - HVAC |
| MD1.02         | DEMOLITION PLANS - HVAC         |
| M1.10          | OVERALL FLOOR PLANS - HVAC      |
| M1.11          | FLOOR PLANS - HVAC              |
| M2.00          | HVAC DETAILS AND SCHEDULES      |
| GRAND TOTAL: 6 |                                 |



ARCHITECT OF RECORD  
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**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



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SHEET TITLE:  
**HVAC COVERSHEET**

SHEET NUMBER:  
**MO.00**

**IMEG** 253 SHUMAN BOULEVARD  
 SUITE 550  
 NAPERVILLE, IL 60563  
 P: 630.527.2320  
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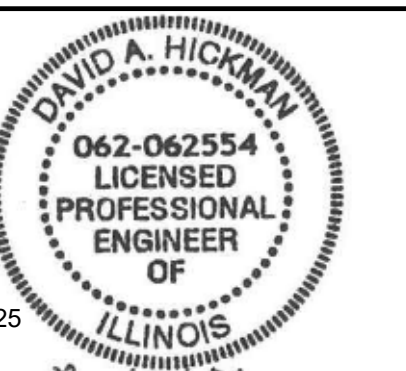
REV. SCALE IN INCHES



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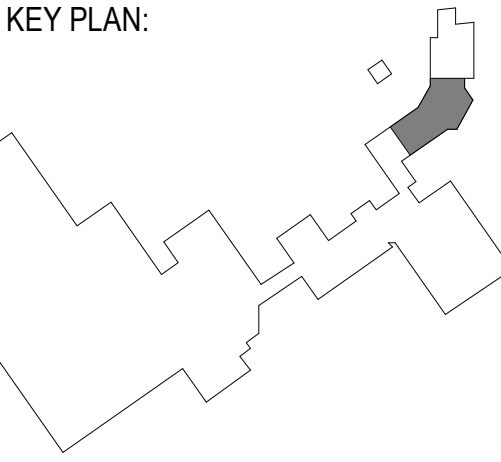
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 CRYSTAL LAKE, IL 60012  
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KEY PLAN:



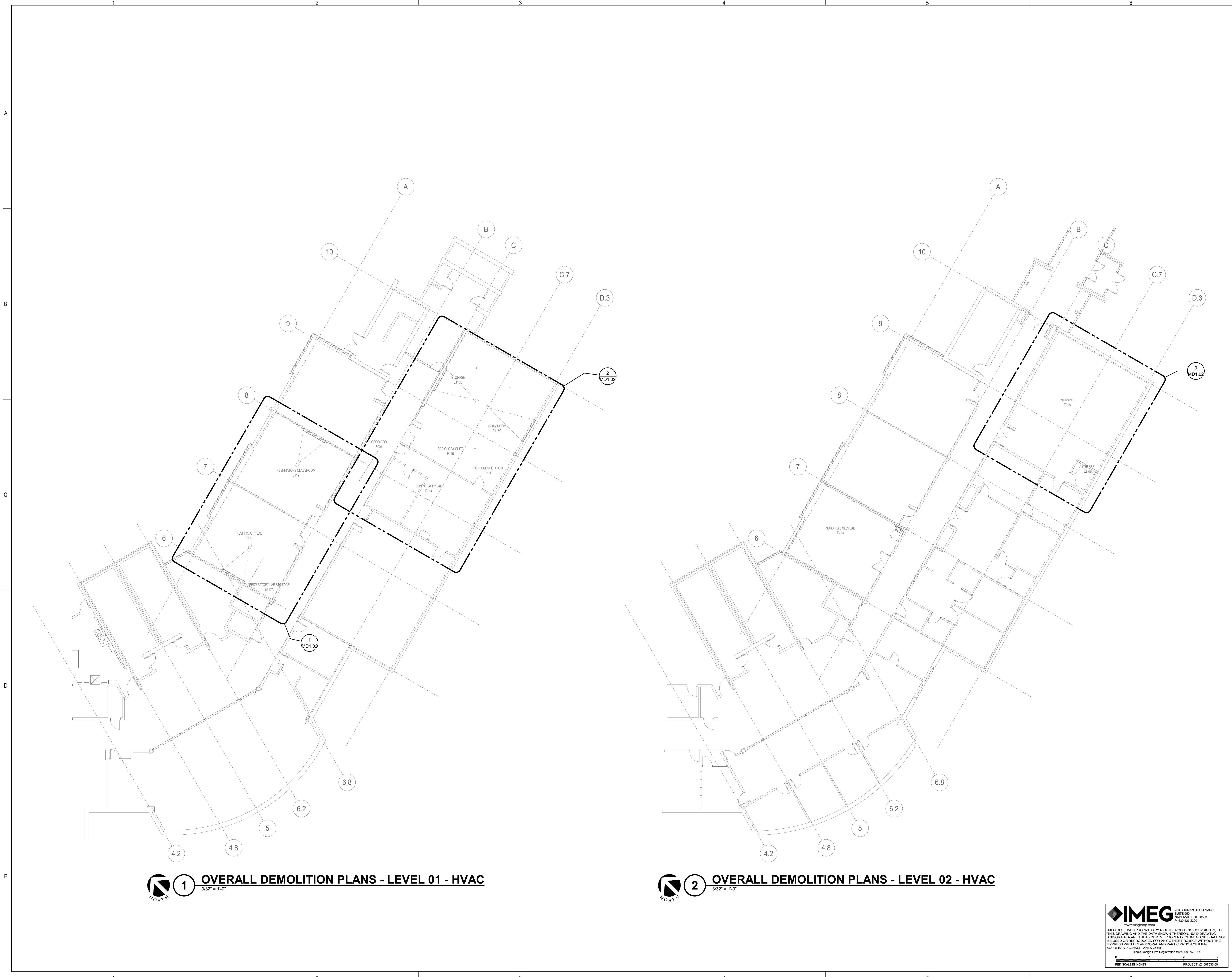
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SHEET TITLE:  
**OVERALL DEMOLITION PLANS - HVAC**

SHEET NUMBER:  
**MD1.00**

2/17/2025 10:24:40 AM



**1 OVERALL DEMOLITION PLANS - LEVEL 01 - HVAC**  
 3/32" = 1'-0"

**2 OVERALL DEMOLITION PLANS - LEVEL 02 - HVAC**  
 3/32" = 1'-0"

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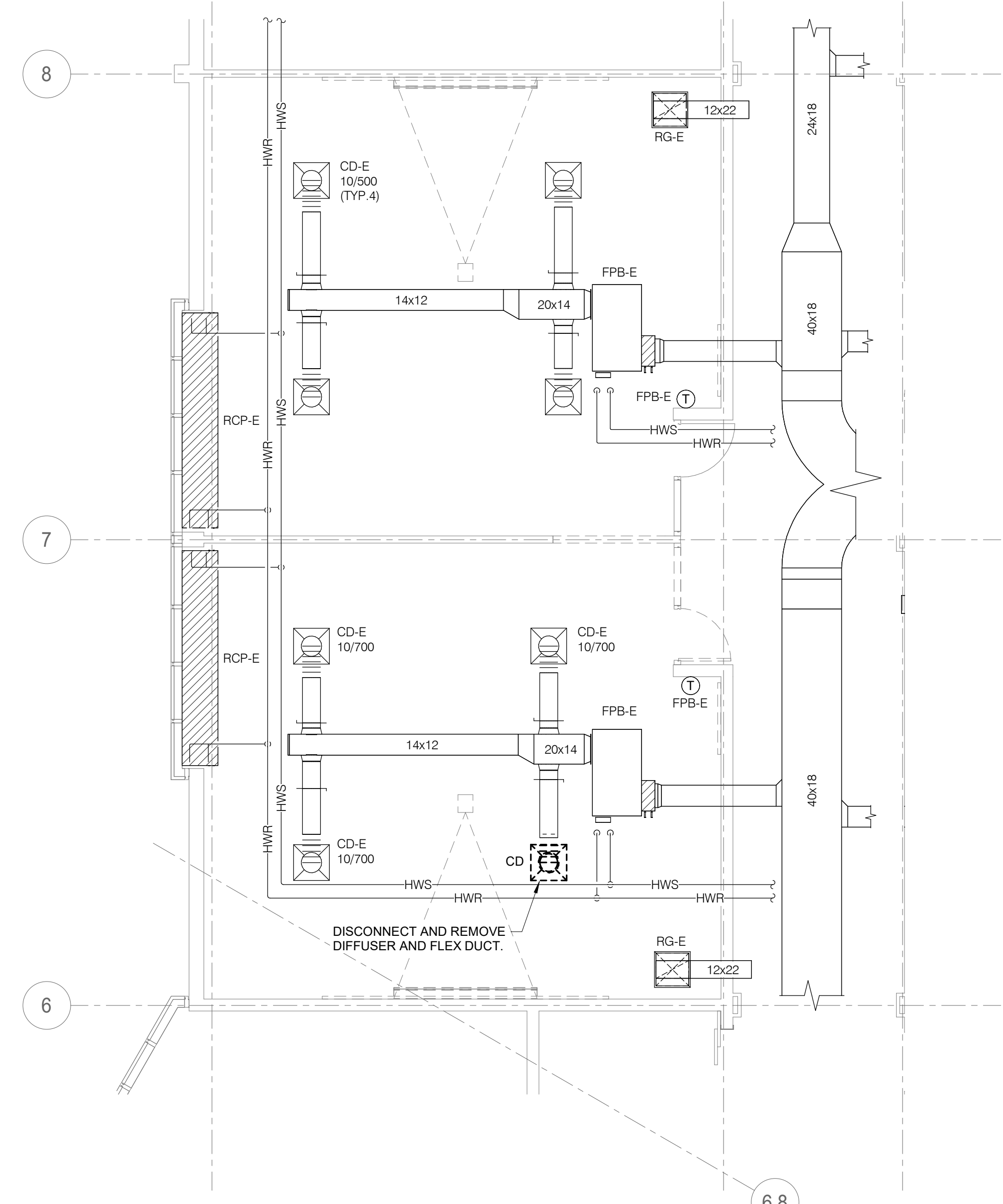
**GENERAL SHEET NOTES:**

1. PROVIDE PREBALANCE TEST. ENSURE ALL DAMPERS, VENTS, AND BALANCING DEVICES ARE PROPERLY ADJUSTED AND VERIFIED FOR AIRFLOW DISTRIBUTION. PROVIDE REPORT TO ENGINEER PRIOR TO DEMOLITION. REFER TO 23.05.03 FOR MORE INFORMATION.

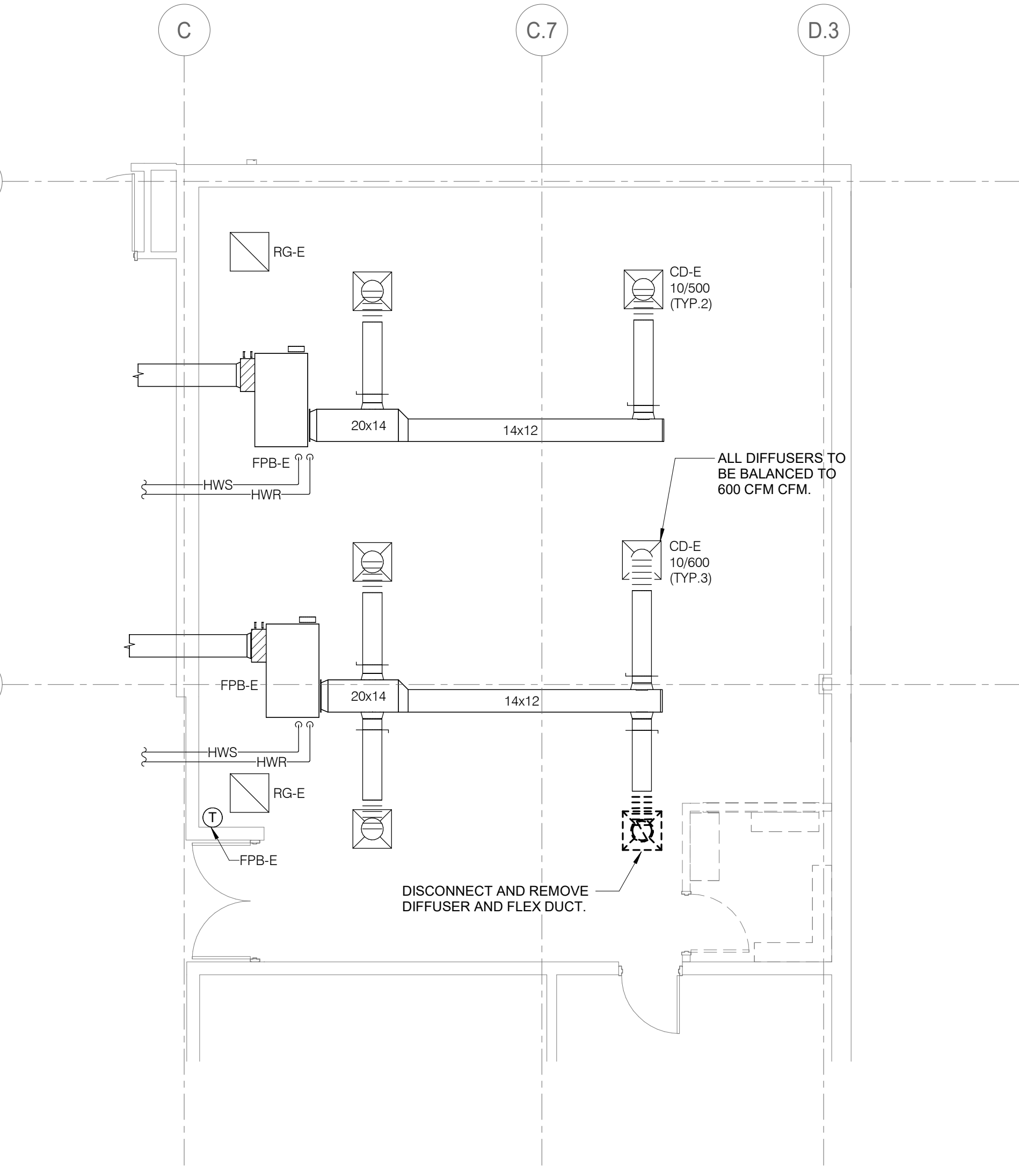
**KEYNOTES: (#)**

1. DISCONNECT AND REMOVE EXISTING TEMPERATURE SENSOR CONTROLS AND WIRING TO BE REUSED TO NEW TEMPERATURE SENSOR LOCATION.

**1 LEVEL 01 DEMOLITION - HVAC - RESPIRATORY CLASSROOM**  
 3/16" = 1'-0"



**1**  
 3/16" = 1'-0"



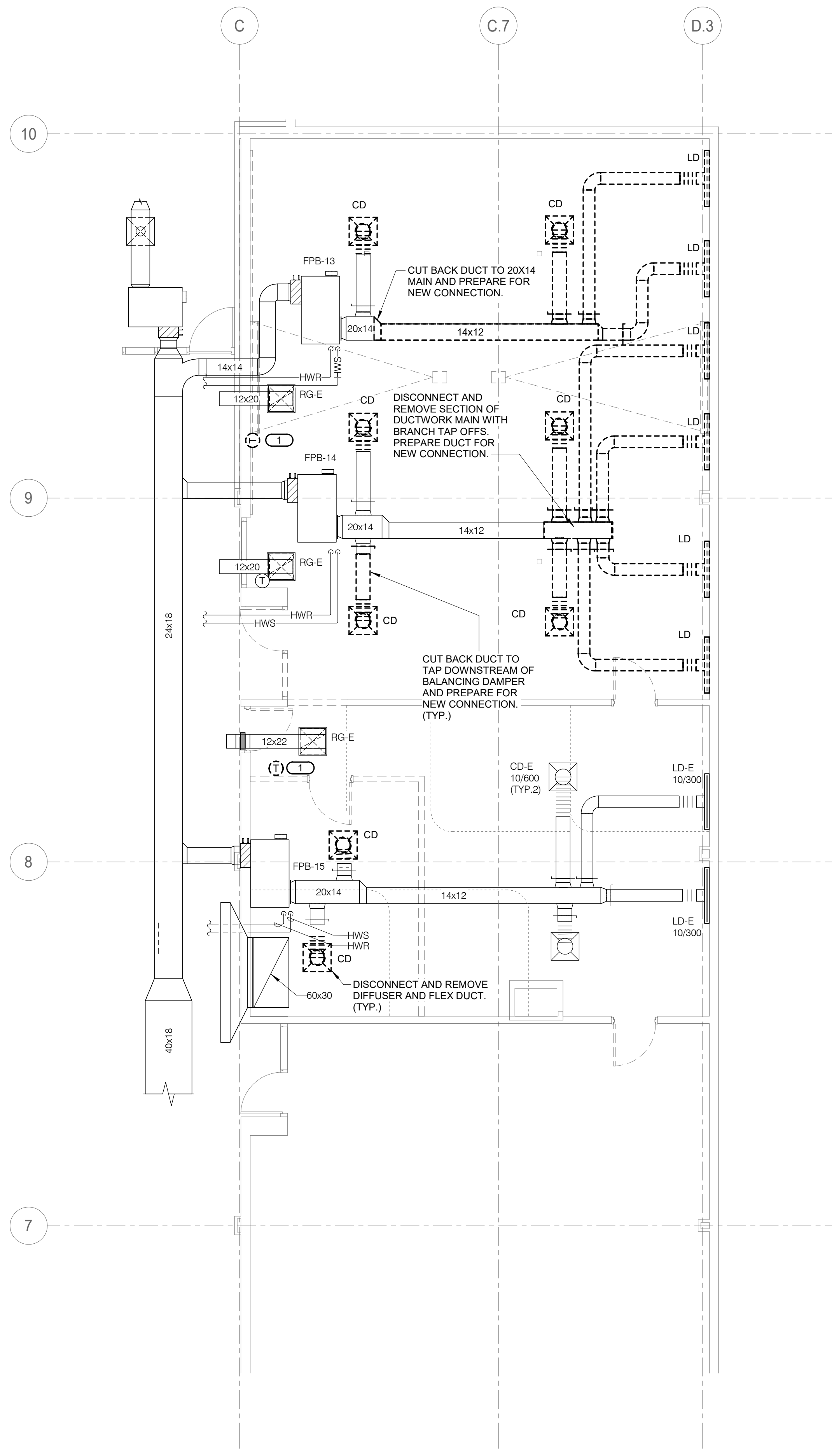
**3**  
 3/16" = 1'-0"

**LEVEL 02 DEMOLITION - HVAC - NURSING**  
 3/16" = 1'-0"



**2**  
 3/16" = 1'-0"

**LEVEL 01 DEMOLITION - HVAC - RADIOLOGY**  
 3/16" = 1'-0"



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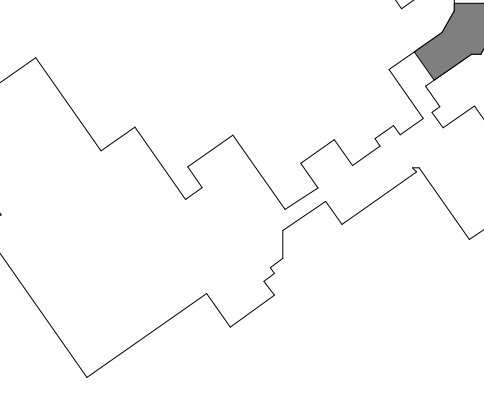
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 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
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SHEET TITLE:  
**DEMOLITION PLANS - HVAC**

SHEET NUMBER:  
**MD1.02**



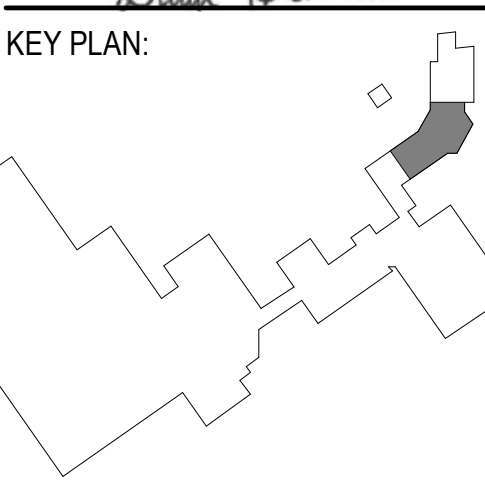
**GENERAL SHEET NOTES:**  
 1. PRIOR TO NEW CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING INLET SIZES OF ALL EXISTING CEILING SUPPLY DIFFUSERS, IN ORDER TO REPLACE AS SHOWN ON DRAWING.  
 2. CONTRACTOR TO NOT PERFORM WORK IN CEILINGS OUTSIDE OF AREA OF WORK. EXISTING CEILINGS OUTSIDE OF SCOPE TO REMAIN.



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

S / MEP / FP / T ENGINEERS:  
**IMEG CORP.**  
 253 SHUMAN BOULEVARD, SUITE  
 550 NAPERVILLE, IL 60563  
 P: 630.527.2320

**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



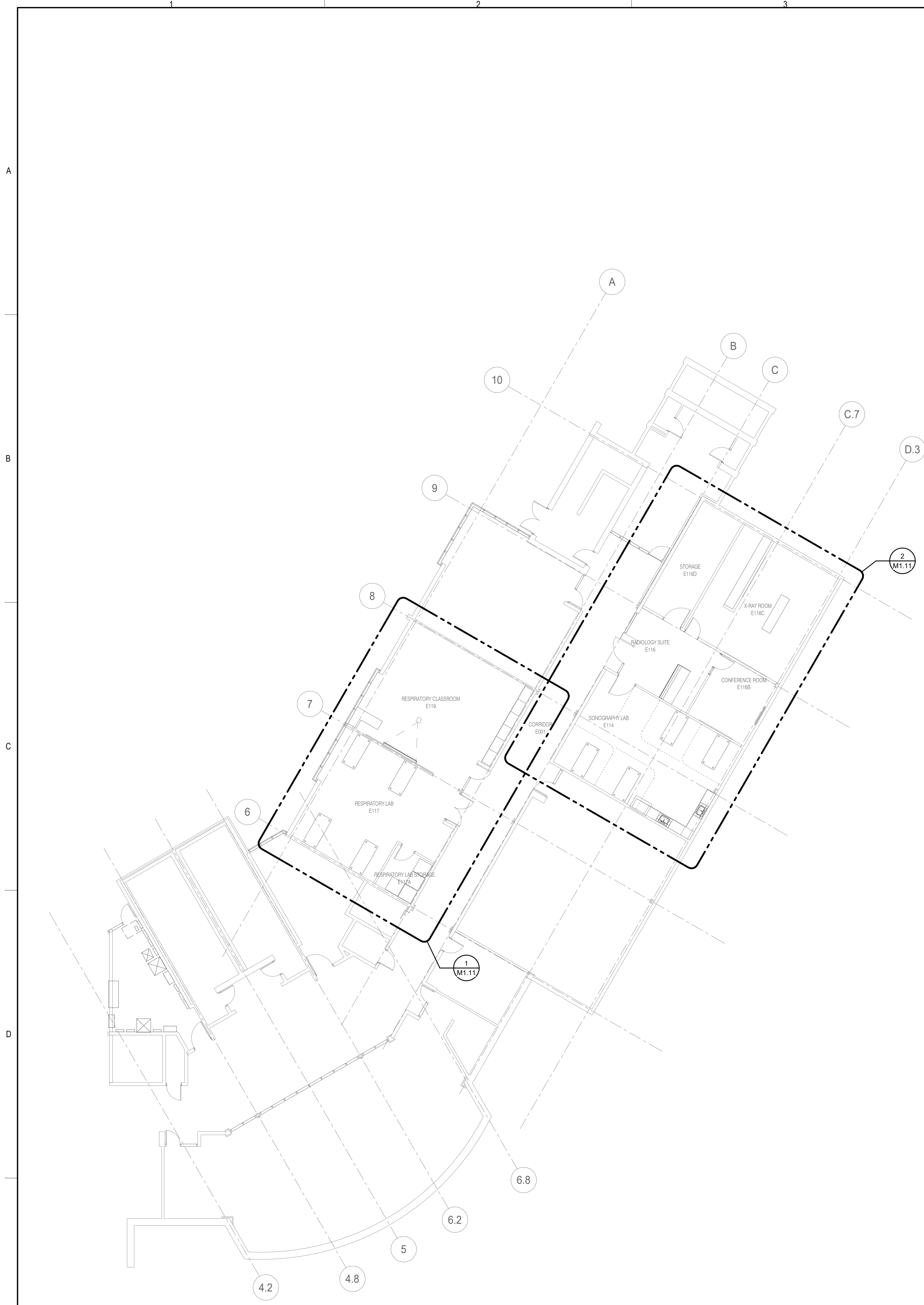
SHEET STATUS: 02/18/2025  
**ISSUED FOR BID - NOT FOR CONSTRUCTION**

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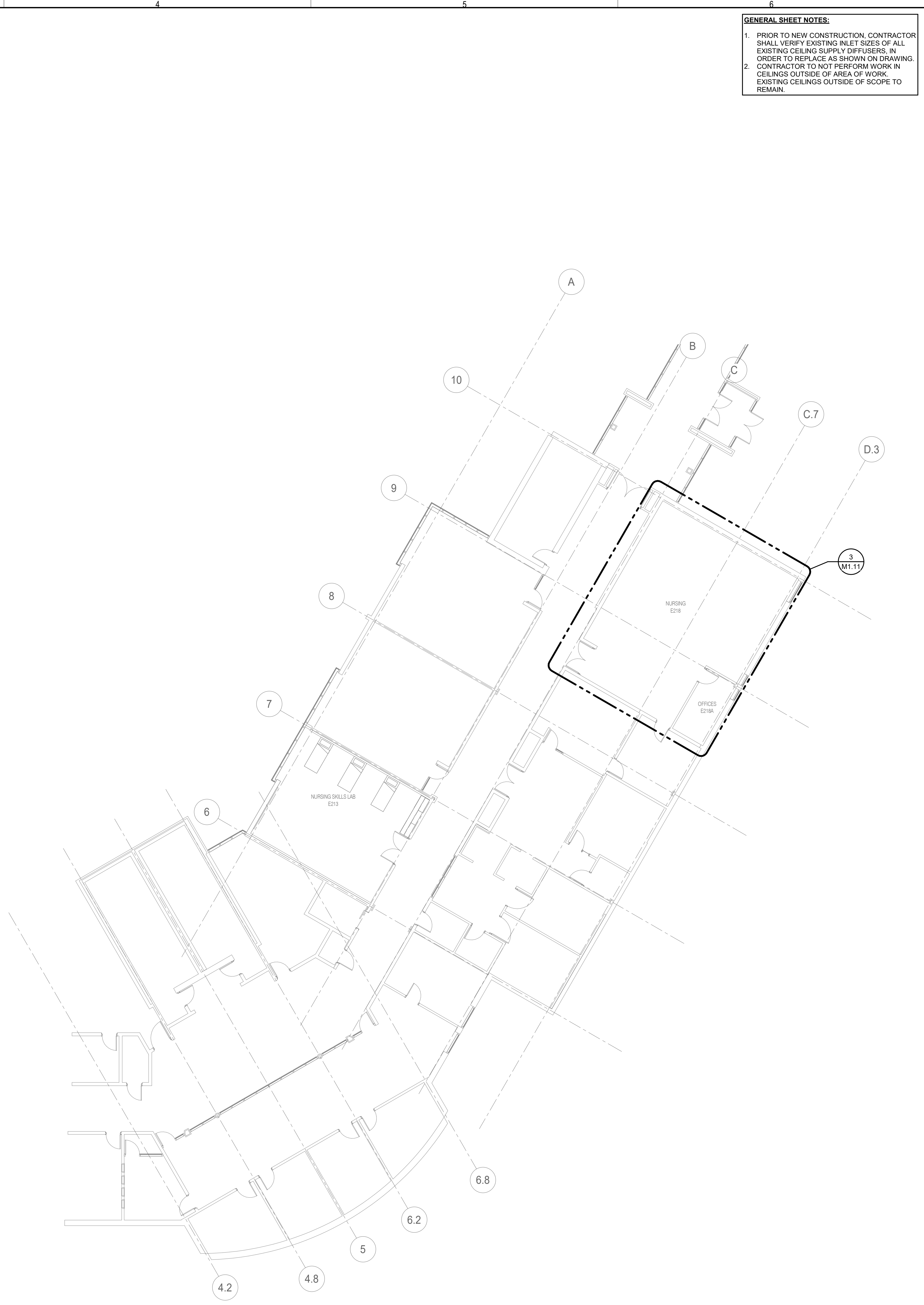
SHEET TITLE:  
**OVERALL FLOOR PLANS - HVAC**

SHEET NUMBER:  
**M1.10**

2/17/2025 10:24:43 AM



**1 OVERALL FLOOR PLAN - LEVEL 01 - HVAC**  
 3/32" = 1'-0"



**2 OVERALL FLOOR PLAN - LEVEL 02 - HVAC**  
 3/32" = 1'-0"

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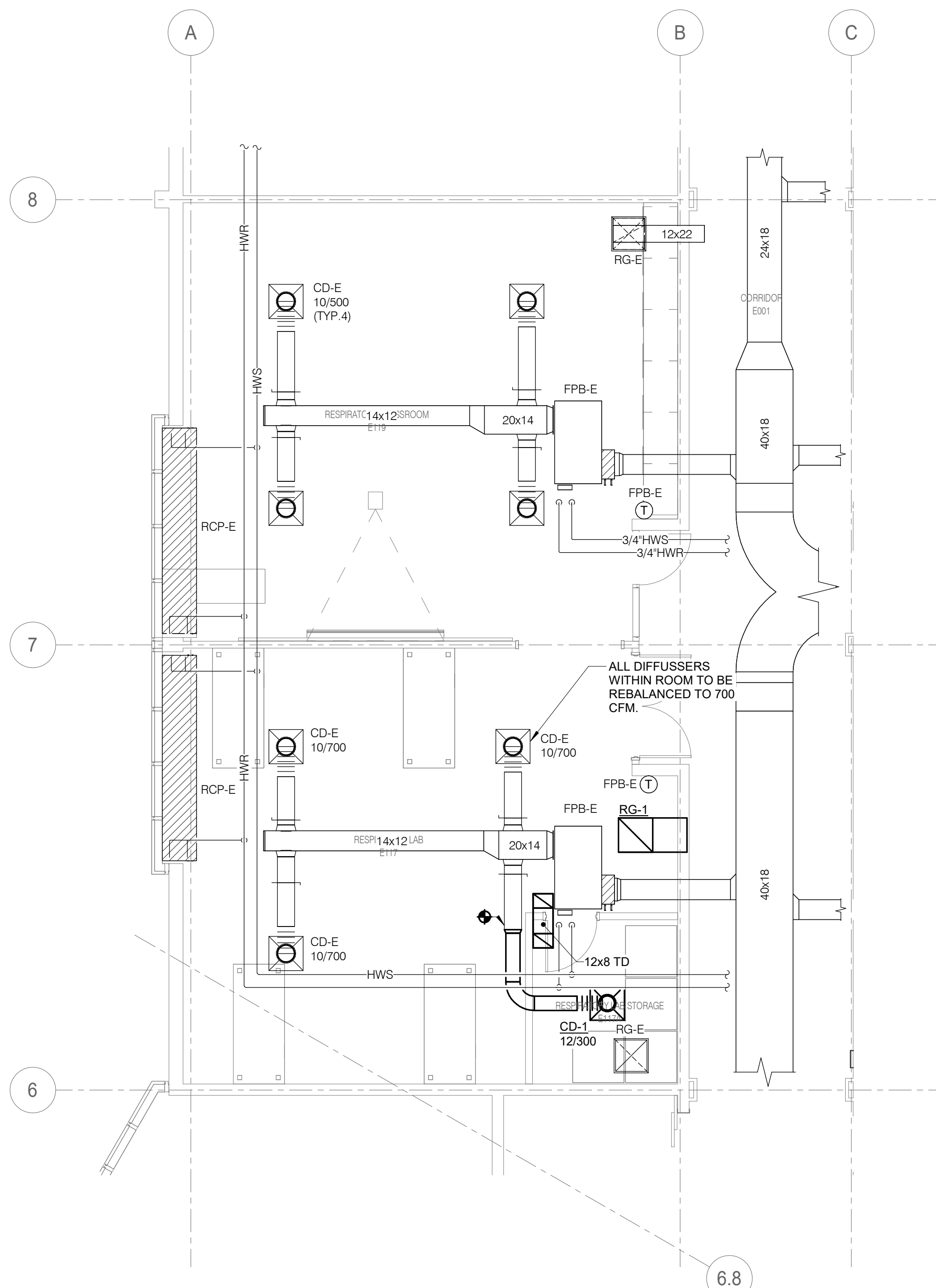
Illinois Design Firm Registration #19028970-0014  
 REV. SCALE IN INCHES 1 2 3  
 PROJECT #24007530.02



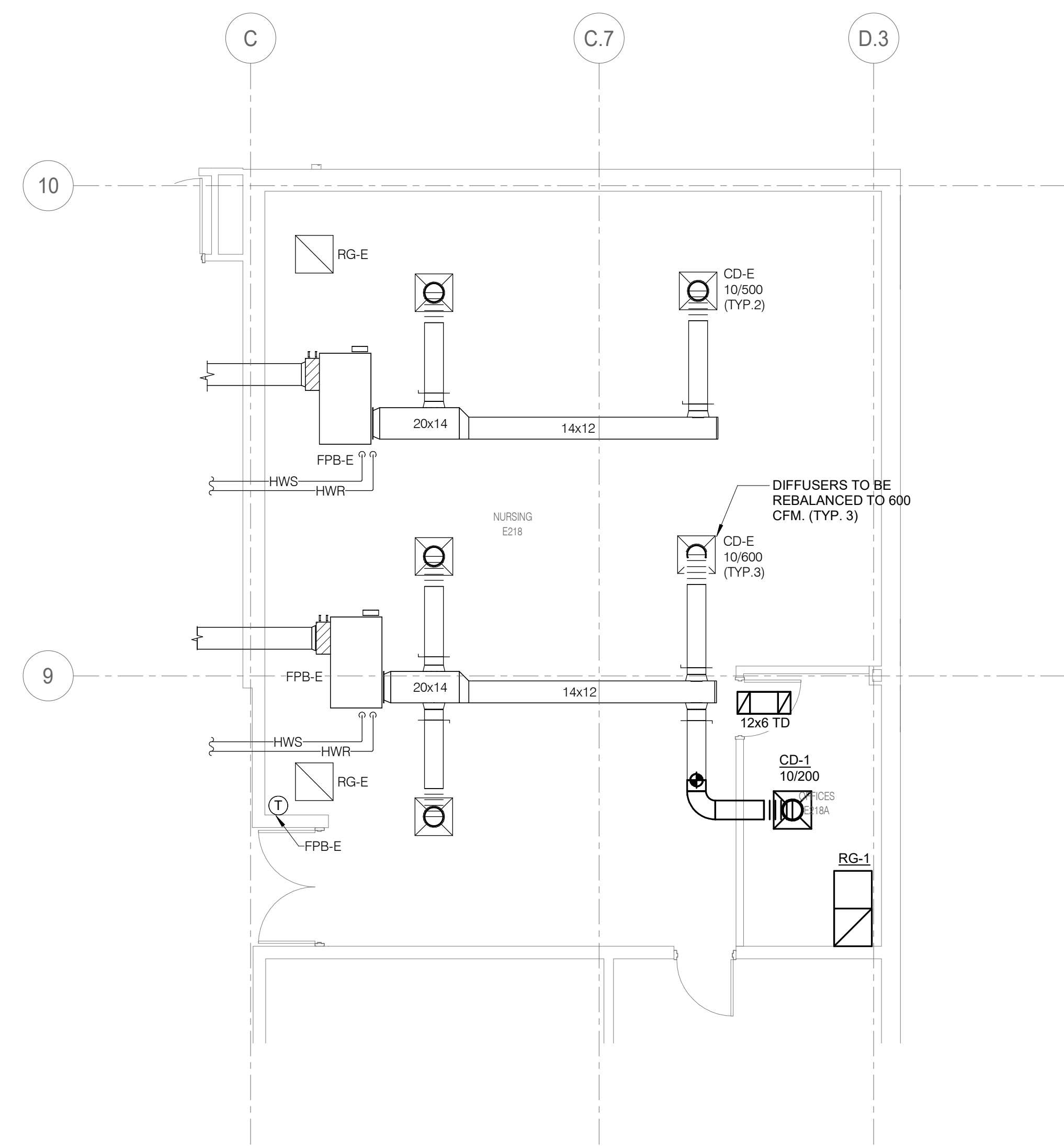
ARCHITECT OF RECORD  
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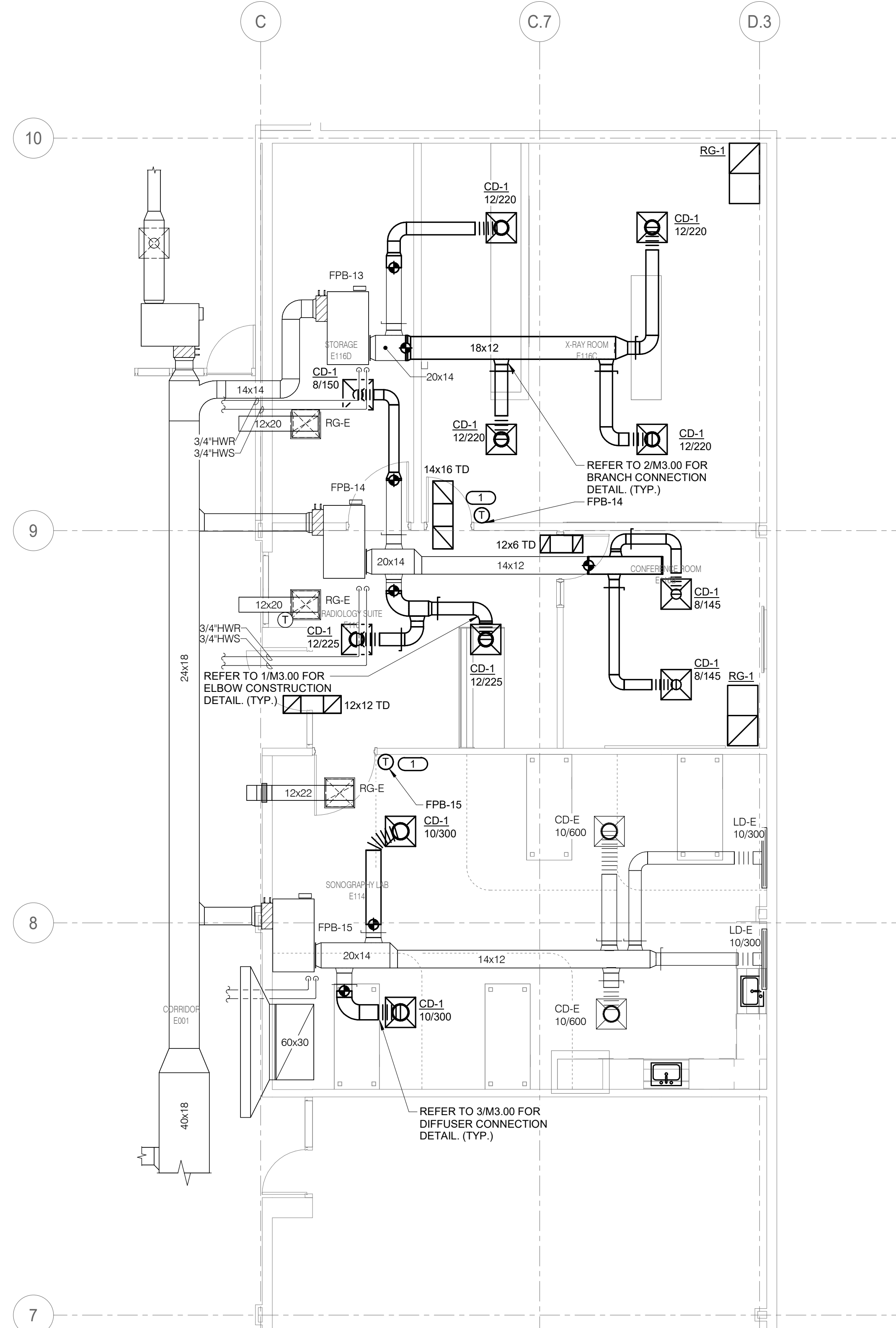
**KEYNOTES: (Z)**  
 1. RELOCATE TEMPERATURE SENSOR TO LOCATION SHOWN. EXTEND ALL CONTROLS WIRING AS REQUIRED.



**1 LEVEL 01 - HVAC - RESPIRATORY CLASSROOM**  
 3/16" = 1'-0"



**3 LEVEL 02 - HVAC - NURSING**  
 3/16" = 1'-0"

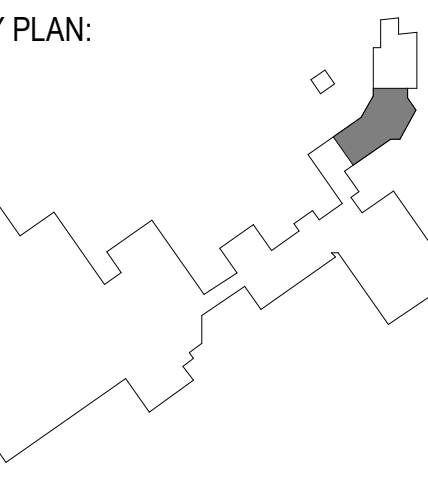


**2 LEVEL 01 - HVAC - RADIOLOGY**  
 3/16" = 1'-0"

**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
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 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025  
 D *David Hickman*



SHEET STATUS: 02/18/2025  
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SHEET TITLE:  
**FLOOR PLANS - HVAC**

SHEET NUMBER:  
**M1.11**

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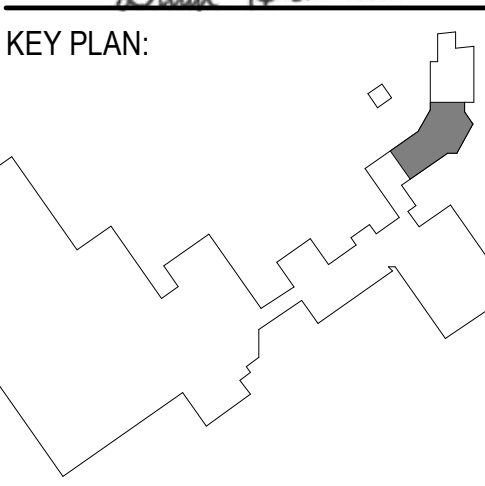
ARCHITECT OF RECORD  
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 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025



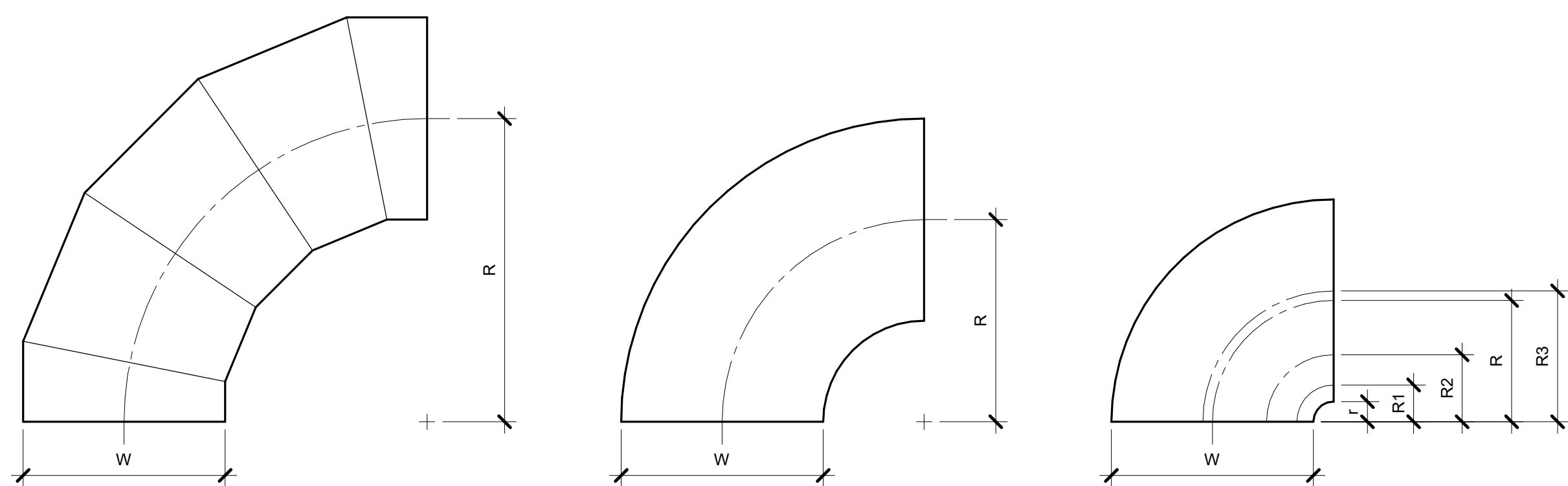
SHEET STATUS: 02/18/2025  
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SHEET TITLE:  
**HVAC DETAILS AND SCHEDULES**

SHEET NUMBER:  
**M2.00**

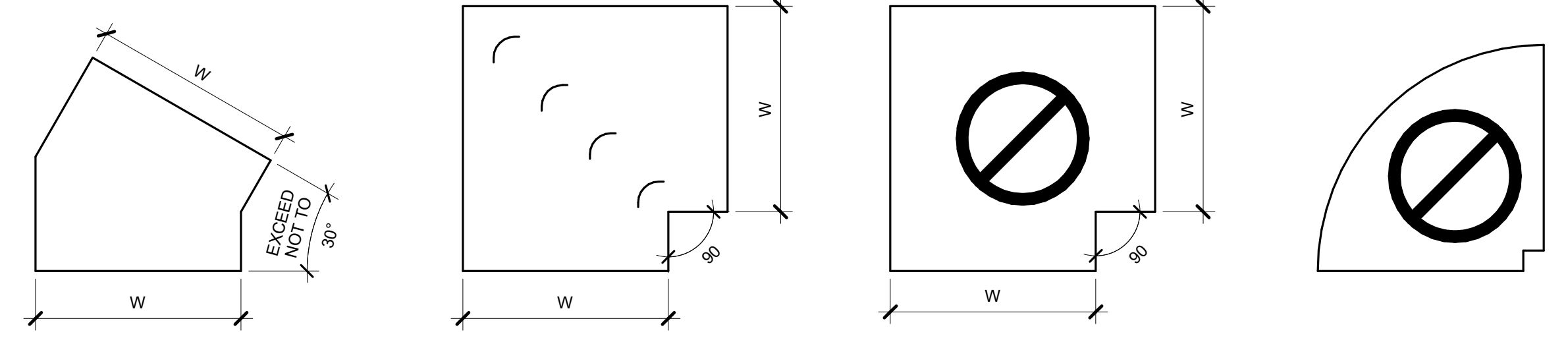
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**OVAL / ROUND RADIUS ELBOW SMOOTH OR 5 GORE (MINIMUM)**  
 R/W = 1.5 (MINIMUM)

**RECTANGULAR RADIUS ELBOW TYPE RE1**  
 R/W = 1.0 (MINIMUM)  
 R/W < 1.0 SHALL BE TYPE RE3

**RECTANGULAR RADIUS ELBOW WITH VANES TYPE RE3**  
 REFER TO SMACNA HVAC SYSTEMS DUCT DESIGN MANUAL, FOURTH EDITION, SECTION 5.14 "SPLITTER VANES" AND SMACNA HVAC DUCT CONSTRUCTION STANDARDS, THIRD EDITION, FIGURES 4-2 AND 4-9 AND CHARTS 4-1 AND 4-1M. ELBOW SHALL HAVE THREE SPLITTER VANES AND R/W = 0.10 (R/W = 0.60) UNLESS NOTED OTHERWISE.



**RECTANGULAR MITERED ELBOW TYPE RE5**  
 USE ONLY AS PART OF OFFSETS AND TRANSITIONS PER FIGURE 4-7 TYPE 2 OR AS SHOWN ON DRAWINGS. OFFSETS ABOVE 30° SHALL BE TYPE RE1.

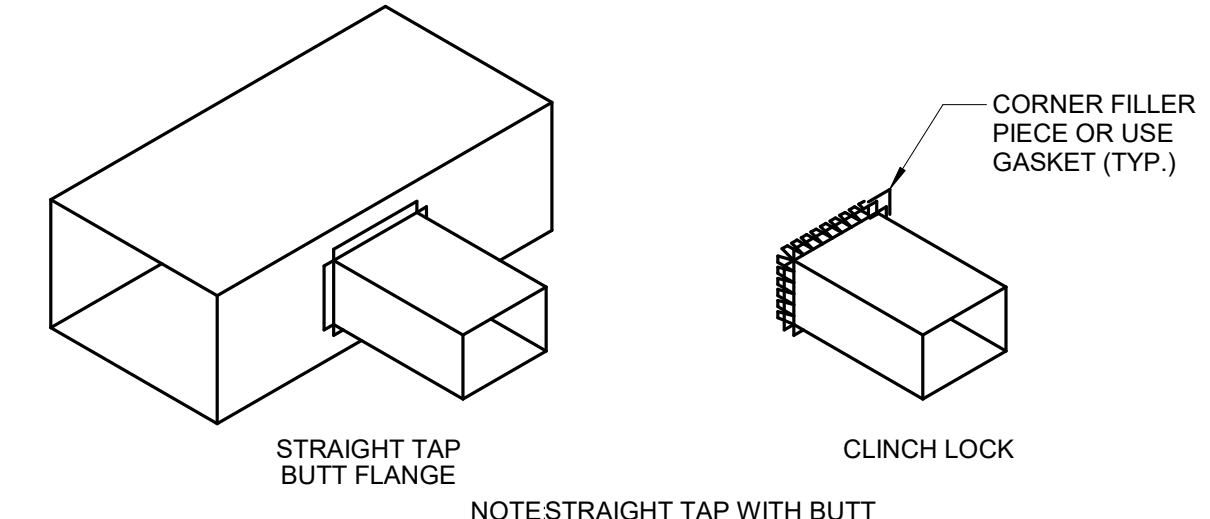
**RECTANGULAR MITERED ELBOW WITH VANES TYPE RE2**

**RECTANGULAR / OVAL / ROUND MITERED ELBOW WITHOUT VANES TYPE RE4**  
**NOT ALLOWED**

**RECTANGULAR RADIUS ELBOW WITH SQUARE THROAT**  
**NOT ALLOWED**

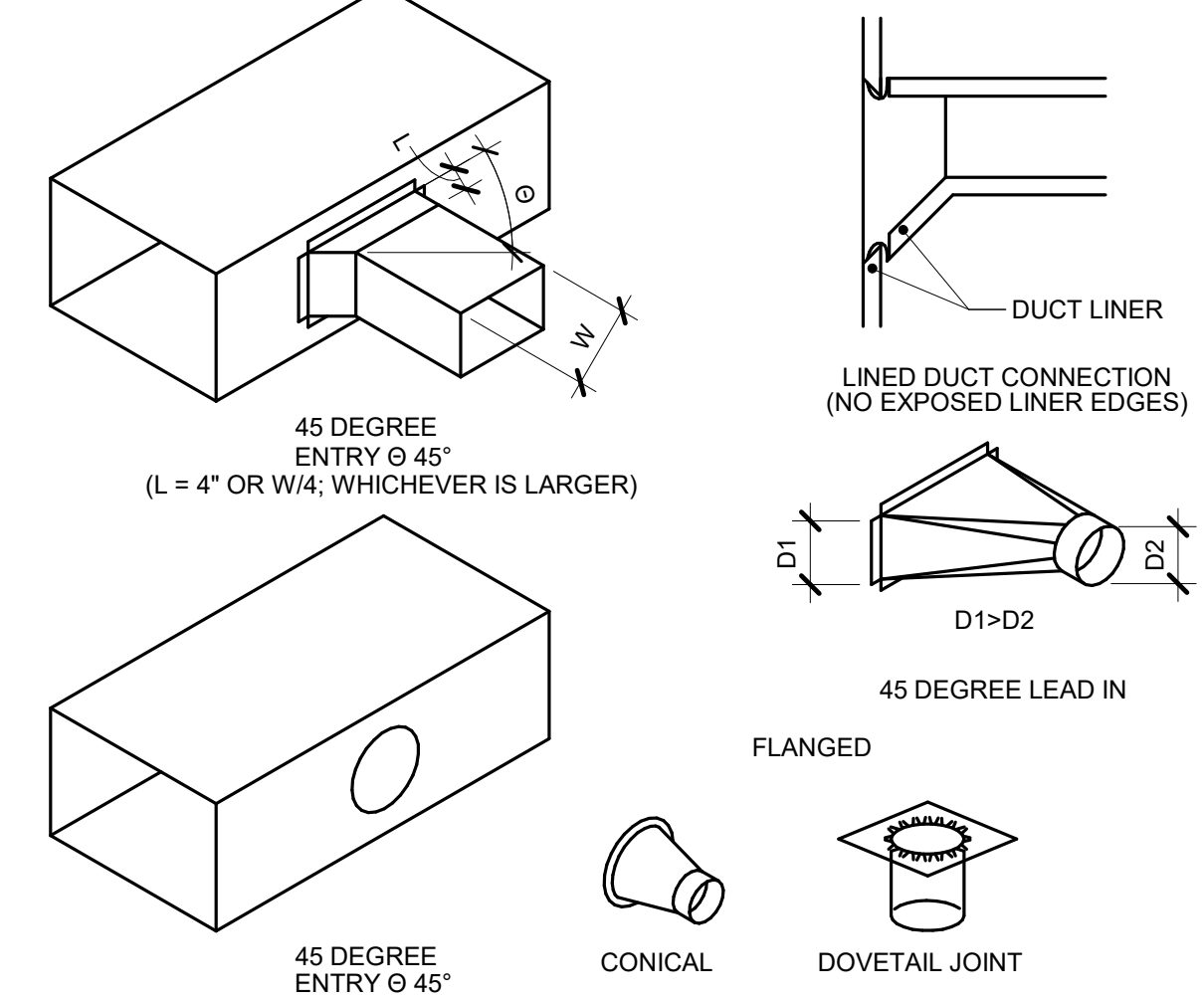
**1 ELBOW CONSTRUCTION**

- NO SCALE  
 NOTES:
1. BEAD, CROSSBREAK, AND REINFORCE FLAT SURFACES AS IN STRAIGHT DUCT.
  2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  3. DEFAULT ELBOW SHALL BE TYPE "RE1".
  4. ELBOW TYPES SHALL BE INSTALLED AS SHOWN AND NOT BE SUBSTITUTED WITHOUT PERMISSION. EXCEPTION: RE1 OR RE3 MAY BE SUBSTITUTED REFER TO DETAIL NOTES FOR RE2.



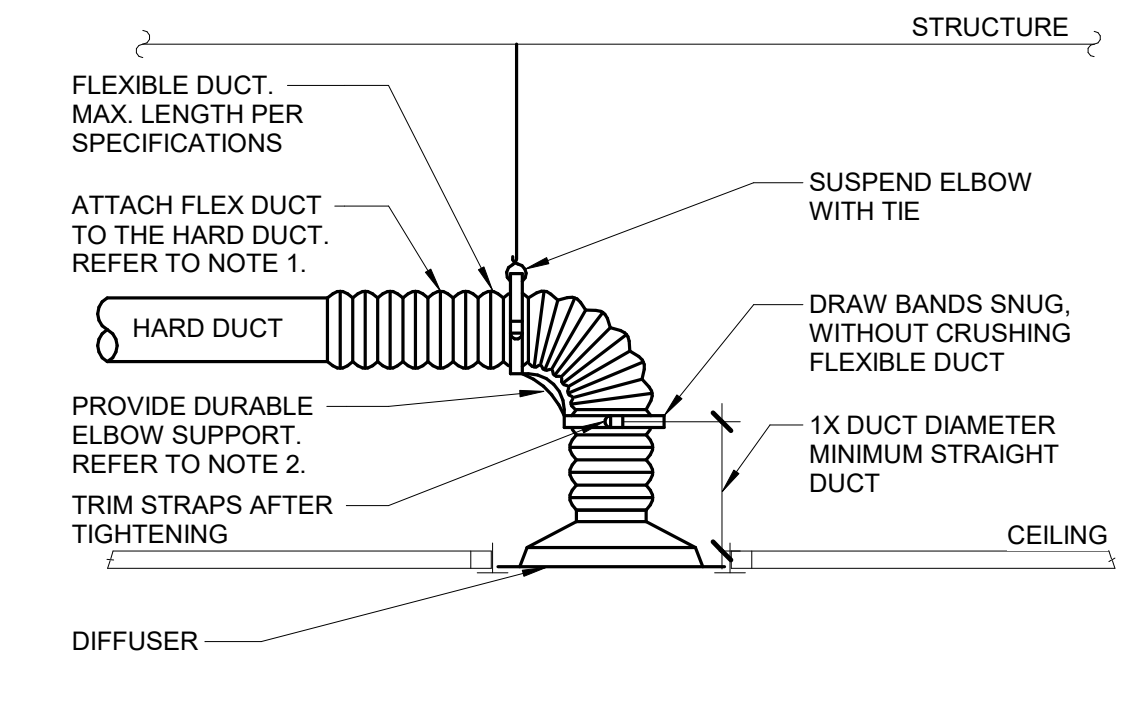
**STRAIGHT TAP BUTT FLANGE**  
 NOTE: STRAIGHT TAP WITH BUTT FLANGE FOR BRANCH AND TEE CONNECTION IN RECTANGULAR DUCTS UNDER 1" PRESSURE CLASS ONLY.

**CLINCH LOCK**  
 CORNER FILLER PIECE OR USE GASKET (TYP.)



**2 BRANCH CONNECTIONS**

- NO SCALE  
 NOTES:
1. DO NOT USE CONNECTIONS WITH SCOOPS.
  2. FIT ALL CONNECTIONS TO AVOID VISIBLE OPENINGS AND SECURE THEM SUITABLY FOR THE PRESSURE CLASS.
  3. ADDITIONAL MECHANICAL FASTENERS ARE REQUIRED FOR 4"W.G. AND OVER.
  4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



**3 DIFFUSER CONNECTION DETAIL**

- NO SCALE  
 NOTES:
1. TO ATTACH FLEX DUCT TO THE HARD DUCT THEN ATTACH WITH TWO NYLON TIE WRAPS, ONE FOR THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL INSIDE ITSELF SO IT HAS NEAT EDGES PRIOR TO THE WRAPPING.
  2. DURABLE ELBOW SUPPORT ACCEPTABLE MANUFACTURER AND MODEL: HART AND COOLEY - SMARTFLOW, THERMAFLEX - FLEXFLOW, TITUS - FLEXRIGHT, OR APPROVED EQUAL.

**AIR TERMINAL SCHEDULE**

NOTES:  
 1. CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION.  
 2. REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

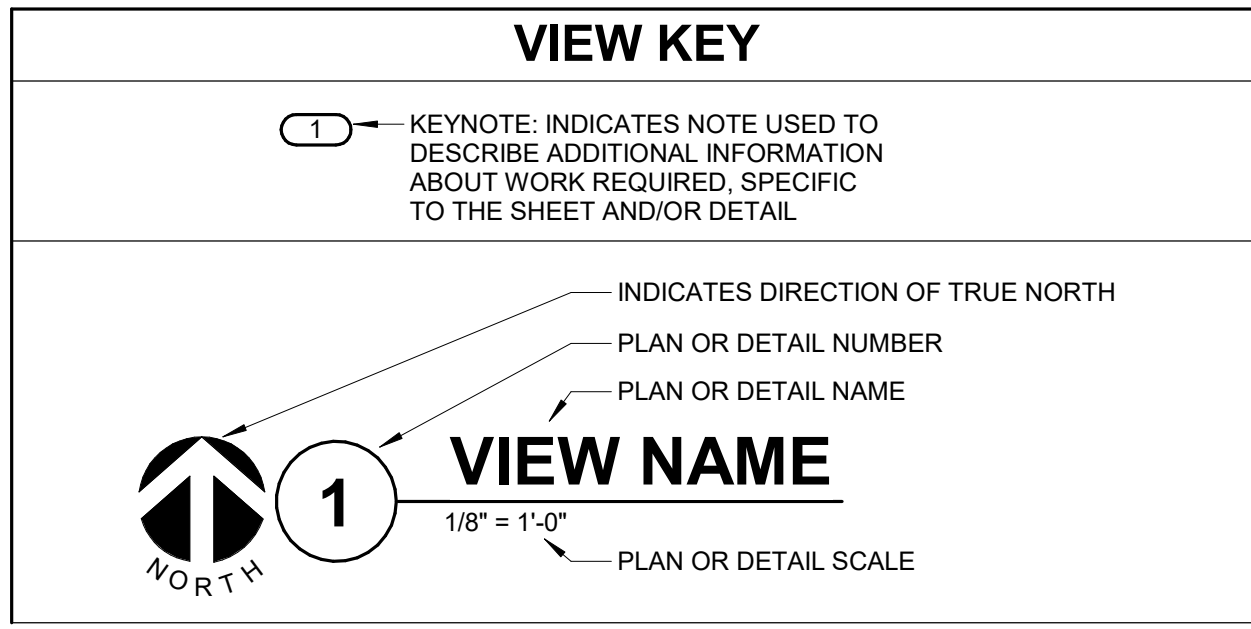
| TAG NAME | FACE SIZE (IN.) (NOTE 2) | TYPE            | BORDER (NOTE 1) | MATERIAL | FINISH | VOLUME DAMPER REQUIRED | MANUFACTURER | MODEL | NOTES         |
|----------|--------------------------|-----------------|-----------------|----------|--------|------------------------|--------------|-------|---------------|
| CD-1     | 24x24                    | PANEL           | LAY-IN          | STEEL    | WHITE  | NO                     | TITUS        | OMNI  |               |
| RG-1     | 24x24                    | PERFORATED FACE | LAY-IN          | STEEL    | WHITE  | NO                     | TITUS        | PAR   | DUCTED RETURN |

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Illinois Design Firm Registration #19628976-0014  
 REV. SCALE IN INCHES PROJECT #24007530-02





### PLUMBING SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

| SYMBOL: | DESCRIPTION:  |
|---------|---|
| —CW—    | COLD WATER - POTABLE  |
| —HW—    | HOT WATER - POTABLE   |
| —HWC—   | HOT WATER CIRCULATING - POTABLE                                 |
| —SAN—   | SANITARY DRAINAGE   |
| —V—     | VENT  |
| —>      | PIPE CONTINUATION   |
| —       | PIPE CAP  |
| —D      | PIPE DOWN   |
| —U      | PIPE UP OR UP/DOWN  |
| —O      | PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN) |
| —>      | DIRECTION OF FLOW IN PIPE                                       |
| —       | SHUTOFF VALVE NORMALLY OPEN                                     |
| —GPM    | BALANCING VALVE (NUMBER INDICATES GPM)                          |
| —       | CHECK VALVE   |
| —X—     | SAW CUT   |

### PLUMBING ABBREVIATION KEY

| ABBR: | DESCRIPTION:   |
|-------|----------------|
| E     | EXISTING       |
| FCO   | FLOOR CLEANOUT |
| SK    | SINK           |
| TYP   | TYPICAL        |

- ### MECHANICAL RENOVATION NOTES:
- THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO FIRE PROTECTION, PLUMBING, VENTILATION AND PIPING.
- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
  - NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
  - FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISERS AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
  - THE CONSTRUCTION MANAGER SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
  - EACH CONTRACTOR SHALL CUT AND PATCH ROOFS, WALLS, AND FLOORS ASSOCIATED WITH THEIR WORK.
  - THE CONSTRUCTION MANAGER IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS.
  - WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
  - PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
  - OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
  - DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

- ### PLUMBING GENERAL NOTES:
- THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
  - CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.
  - CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.
  - ALL FIXTURES SHALL CONFORM TO FEDERAL ACT 5.3874.
  - VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
  - REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURES.
  - FOR CLARITY, NOT ALL VALVES HAVE BEEN SHOWN. PROVIDE SHUTOFF VALVES IN DOMESTIC WATER PIPING SERVING EACH ROOM WITH FIXTURES. ANGLE STOPS SHOULD BE CONSIDERED SHUTOFF VALVES.
  - EXISTING CONDITIONS ON DEMOLITION PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED. REFER TO SPECIFICATION SECTION 22.05.05 FOR ADDITIONAL DEMOLITION INFORMATION.
  - P.C. SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK UNLESS NOTED OTHERWISE. REFER TO SPECIFICATION SECTION 22.05.05 FOR ADDITIONAL INFORMATION.

- ### MECHANICAL GENERAL NOTES:
- THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.
- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC. AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
  - DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
  - COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
  - REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
  - ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
  - EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
  - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
  - EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
  - SEAL ALL FLOOR AND WALL AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
  - CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
  - DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
  - DO NOT EXCEED 25 LBS PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER WHEN ATTACHING TO METAL ROOF DECKING (LIMITATION NOT REQUIRED WITH CONCRETE ON METAL DECK). THIS 25 LBS. LOAD AND 2'-0" SPACING INCLUDE ADJACENT ELECTRICAL AND ARCHITECTURAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, SUPPLEMENTAL FRAMING OFF STEEL FRAMING SHALL BE ADDED. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

### PLUMBING MATERIAL LIST

| TAG NAME | DESCRIPTION   | MANUFACTURER AND MODEL  |
|----------|---|---|
| FCO-1    | FLOOR CLEANOUT - ADJUSTABLE, CAST IRON HOUSING, ANCHOR FLANGE, TAPERED THREAD PLUG, SECURED NICKEL BRONZE TOP. TOP STYLE SHALL MATCH FLOOR FINISH AS FOLLOWS:<br><br>UNFINISHED FLOOR - ROUND SOLID SCORATED TOP<br>TILE OR TERRAZZO - ROUND RECESSED TOP<br>CARPET - ROUND TOP WITH CARPET MARKER.   | ZURN (Z1400), JGSAM (55000), MIFAB (C1100), SMITH (4000), WADE (6000), WATTS (CO-200)   |
| SK-1     | SINK - ACCESSIBLE STANDARD MODELS, SELF-RIMMING SINGLE COMPARTMENT WITH FAUCET DECK AND OVERFLOW, 18 GAUGE TYPE 304 STAINLESS STEEL 31" (SIDE-TO-SIDE) x 22" (FRONT-TO-BACK) OVERALL SIZE, 3 1/2" x 5-1/2" DEEP BOWL, SOUND DEADENING ON BOTTOM OF BASIN, 3-1/2" DIAMETER DRAIN OUTLET LOCATION CENTERED IN BOWL, PERFORATED TYPE 304 STAINLESS STEEL GRID STRAINER, REMOVABLE TYPE 304 STAINLESS STEEL BASKET STRAINER WITH NEOPRENE STOPPER.<br><br>SINK TRIM - TWO HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, GOOSENECK RIGID SPOUT, NOMINAL 6" REACH, AERATOR 4" WRISTBLADE HANDLES AT 8" CENTERS, 1/4-TURN OPERATION CERAMIC DISC CARTRIDGE.<br>MAXIMUM FLOW TO BE 1.0 GPM IN COMPLIANCE WITH PROJECT WATER CONSERVATION REQUIREMENTS (LEED). FAUCET SHALL COMPLY WITH FEDERAL ACT 5.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED.<br><br>ACCESSORIES - OFFSET 1-1/2" 17 GAUGE CHROME PLATED BRASS TAIL PIECE AND P-TRAP, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME-PLATED BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME-PLATED SOFT COPPER OR FLEXIBLE STAINLESS STEEL SUPPLY LINES.<br><br>INSULATION KIT - INCLUDE FOR EXPOSED TRAPS, REFER TO 22.40.00. ARMAFLEX WITH TAPE IS NOT ACCEPTABLE IN LIEU OF INSULATION KIT. | SINK - ELKAY (LRADLKAD18), JUST (SL-ADAJ-ADA-35-FS), FRANKIE (ALBS), ACORN-SINKS (SDADA),<br><br>SINK TRIM - DELTA (27C2), AMERICAN STANDARD (6540), CHICAGO FAUCET (786), SPEAKMAN (SC-3000 SERIES), SYMONS (S-254), T&S BRASS (B-2869-05CR), ZURN (Z831-XL) |

### PIPE INSULATION SCHEDULE

GENERAL NOTES:  
1. REFER TO THE SPECIFICATIONS FOR TYPE DESCRIPTIONS AND JACKETING REQUIREMENTS. VALUES LISTED BELOW ARE BASED ON IECC REQUIREMENTS.  
2. PROVIDE RIGID INSERT AT HANGERS, EITHER PRE-MANUFACTURED COUPLINGS (REFER TO PIPE HANGER AND SUPPORTS SPECIFICATIONS) OR TYPE C, D, OR E INSULATION. SEE SPEC. FOR MORE DETAILS.

| PIPE SYSTEM                           | INSULATION TYPE | (ASHRAE/IECC) INSULATION THICKNESS PER NOMINAL PIPE OR TUBE SIZE |              |              | NOTES |
|---------------------------------------|-----------------|--|--------------|--------------|-------|
|                                       |                 | < 1"   | 1" TO < 1.5" | 1.5" TO < 4" |       |
| 22 PLUMBING - WASTE                   |                 |  |              |              |       |
| V - VENT                              | A (GlsFbr)      | 0.5"   | 0.5"         | 1"           |       |
| 22 PLUMBING - WATER                   |                 |  |              |              |       |
| CW - COLD WATER - POTABLE             | A (GlsFbr)      | 0.5"   |              |              |       |
| HW - HOT WATER - POTABLE              | A (GlsFbr)      | 1"   |              |              |       |
| HWC - HOT WATER CIRCULATING - POTABLE | A (GlsFbr)      | 1"   |              |              |       |
| Grand total: 4                        |                 |  |              |              |       |

### PLUMBING ROUGH-IN SCHEDULE

NOTES: (APPLIES TO ALL PLUMBING FIXTURES LISTED BELOW)  
1) SIZES SHOWN ARE MINIMUMS. LARGER SIZES SHOWN ON THE DRAWING SHALL DICTATE THE ROUGH-IN SIZE.  
2) SANITARY RISERS UP IN WALL TO FIXTURES SHALL BE A MINIMUM OF 2". 3) DOMESTIC WATER BRANCH PIPING OUTSIDE OF THE WALL/CHASE SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE. ONLY THE FINAL RISE-DROP SHALL BE SMALLER. 4) FINAL SANITARY SIZE SHALL MATCH P-TRAP SIZE (REFER TO MATERIAL LIST).

| TAG NAME | DESCRIPTION       | TRAP | COLD WATER | HOT WATER | SANITARY | VENT   |
|----------|-------------------|------|------------|-----------|----------|--------|
| SK-1     | SINK (ACCESSIBLE) |      | 1/2"       | 1/2"      | 1 1/2"   | 1 1/2" |

### PLUMBING SHEET INDEX

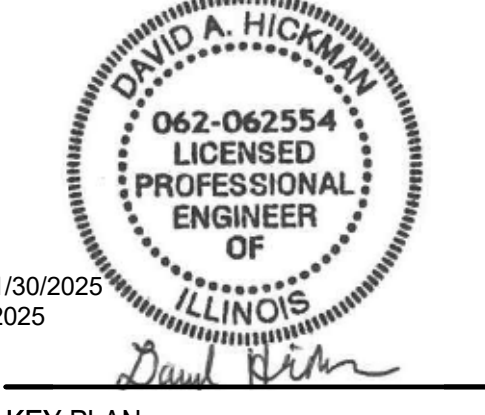
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|--------------|---|
| P0.00        | PLUMBING COVERSHEET                           |
| PD1.00       | OVERALL DEMOLITION UNDERFLOOR PLAN - PLUMBING |
| PD1.01       | OVERALL DEMOLITION PLANS - PLUMBING           |
| PD1.02       | DEMOLITION PLANS - PLUMBING                   |
| P1.00        | OVERALL UNDERFLOOR PLAN - PLUMBING            |
| P1.01        | OVERALL FLOOR PLANS - PLUMBING                |
| P1.02        | FLOOR PLANS - PLUMBING                        |
| P2.00        | PLUMBING DETAILS                              |
| GRAND TOTAL: | 8   |



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 CHICAGO, IL 60661  
 P: 312.496.0000

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**IMEG CORP.**  
 253 SHUMAN BOULEVARD, SUITE  
 550 NAPERVILLE, IL 60563  
 P: 630.527.2320

**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



EXP 11/30/2025  
02/18/2025

SHEET STATUS: 02/18/2025  
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SHEET TITLE:  
**PLUMBING COVERSHEET**

SHEET NUMBER:  
**P0.00**



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**GENERAL SHEET NOTES:**  
 1. CONTRACTOR SHALL SAWCUT EXISTING FLOOR AS REQUIRED TO PERFORM WORK. PATCH TO MATCH EXISTING CONSTRUCTION.



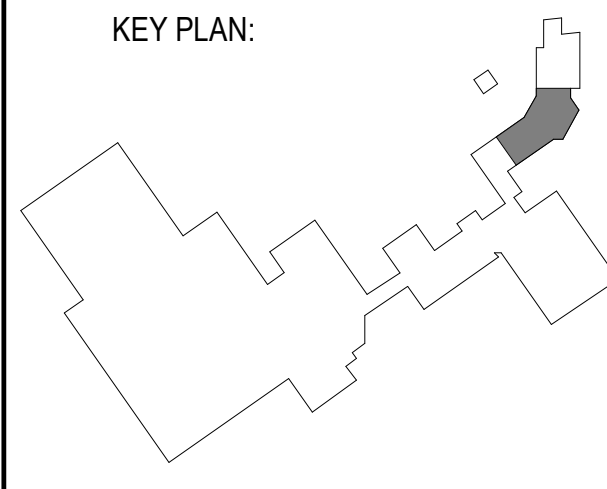
CONTRACTOR SHALL X-RAY FLOOR TO CONFIRM EXACT LOCATION OF EXISTING UNDERFLOOR MAIN PRIOR TO DEMOLITION. SAWCUT FLOOR AND DISCONNECT AND REMOVE SECTION OF SANITARY PIPING AS REQUIRED TO INSTALL NEW BRANCH PIPING.

**1 OVERALL - DEMOLITION UNDERFLOOR PLAN - PLUMBING**  
 1/8" = 1'-0"

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**HEALTH SCIENCE 2024 RENOVATIONS**  
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 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025  
 David Hickman



SHEET STATUS: 02/18/2025  
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SHEET TITLE:  
**OVERALL DEMOLITION UNDERFLOOR PLAN - PLUMBING**

SHEET NUMBER:  
**PD1.00**

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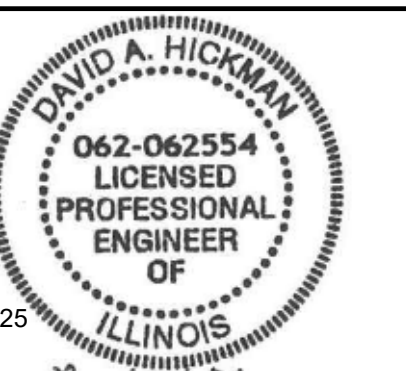
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 REV. SCALE IN INCHES PROJECT #24007530-02



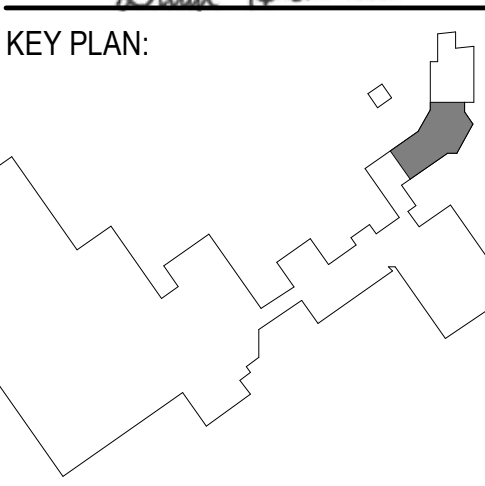
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SHEET TITLE:  
**OVERALL DEMOLITION PLANS - PLUMBING**

SHEET NUMBER:  
**PD1.01**

2/17/2025 10:24:35 AM



**1 OVERALL DEMOLITION PLANS - LEVEL 01 - PLUMBING**  
 3/32" = 1'-0"

**2 OVERALL DEMOLITION PLANS - LEVEL 02 - PLUMBING**  
 3/32" = 1'-0"

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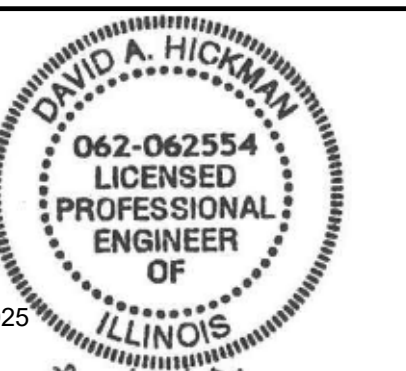




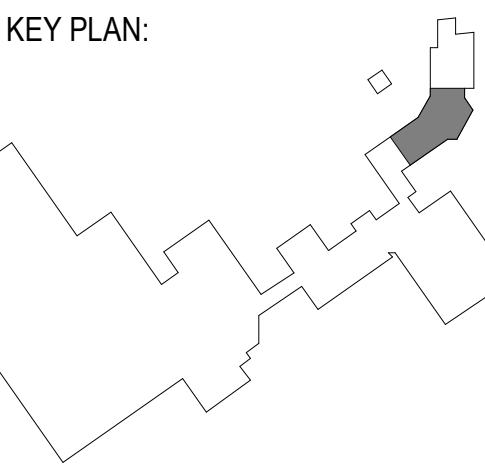
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EXP 11/30/2025  
 02/18/2025  
 David Hickman



SHEET STATUS: 02/18/2025  
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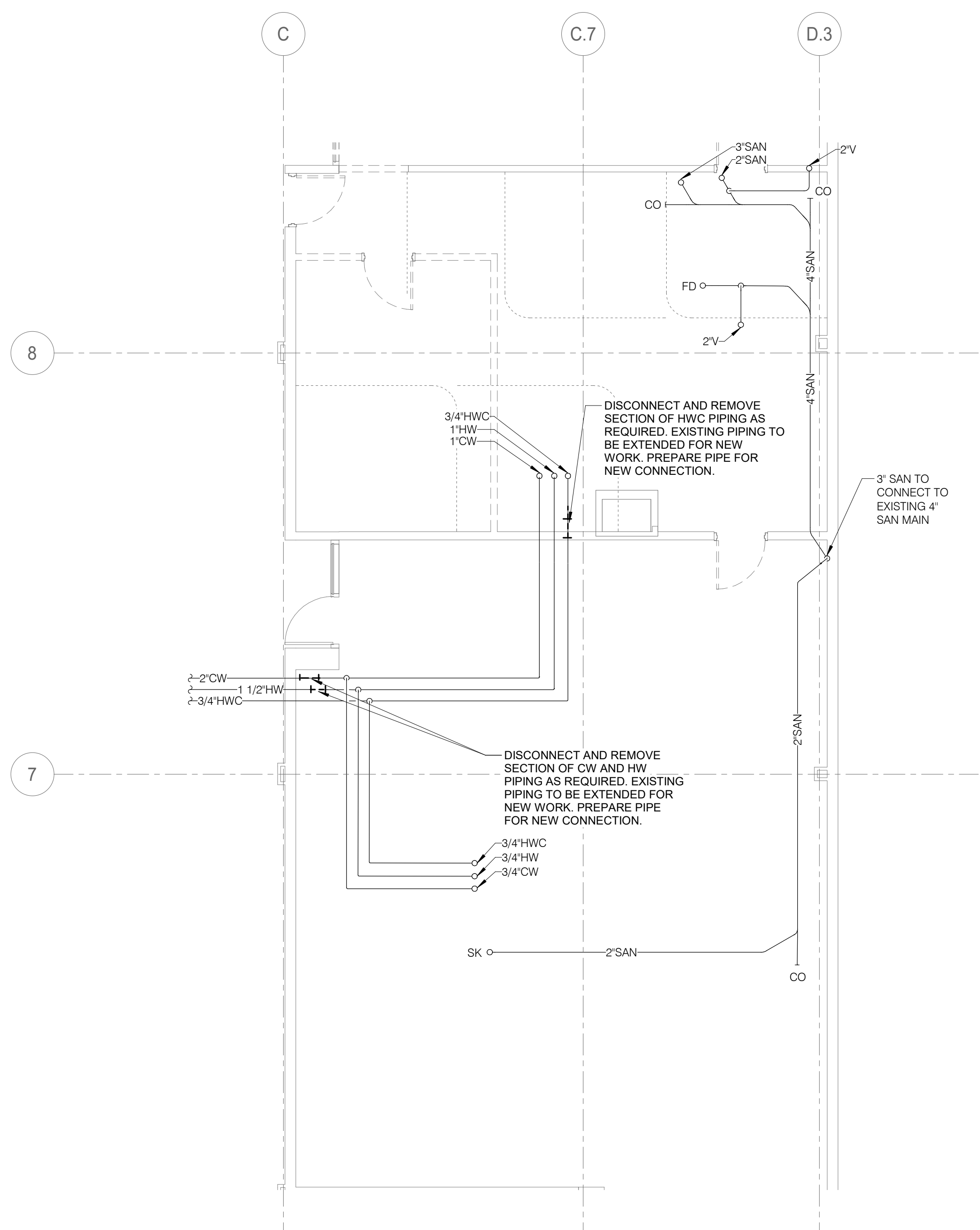
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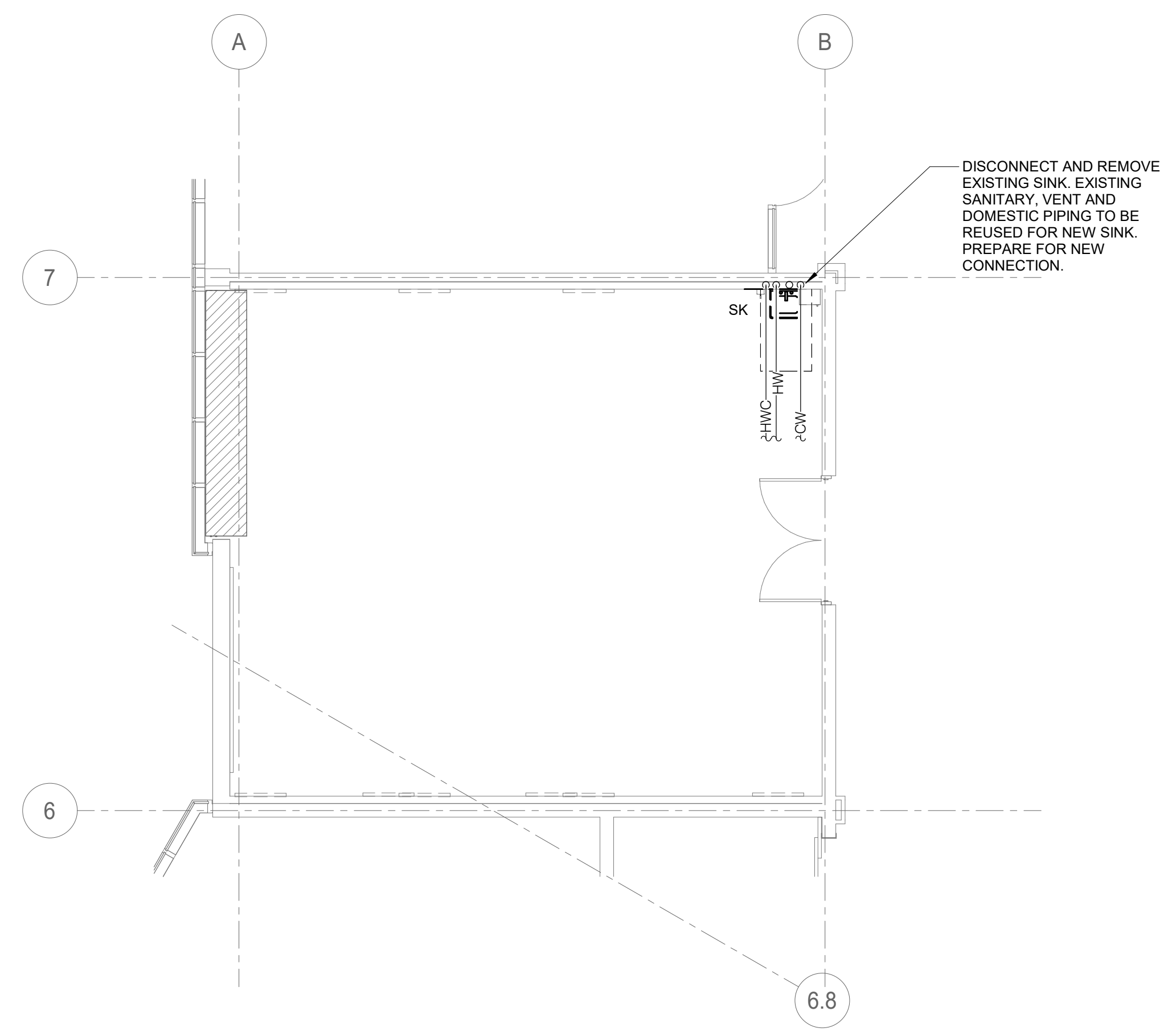
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**PD1.02**

2/17/2025 10:24:35 AM



**1 LEVEL 01 DEMOLITION - PLUMBING - RADIOLOGY**  
 3/16" = 1'-0"



**2 LEVEL 02 DEMOLITION - PLUMBING - NURSING SKILLS LAB**  
 3/16" = 1'-0"

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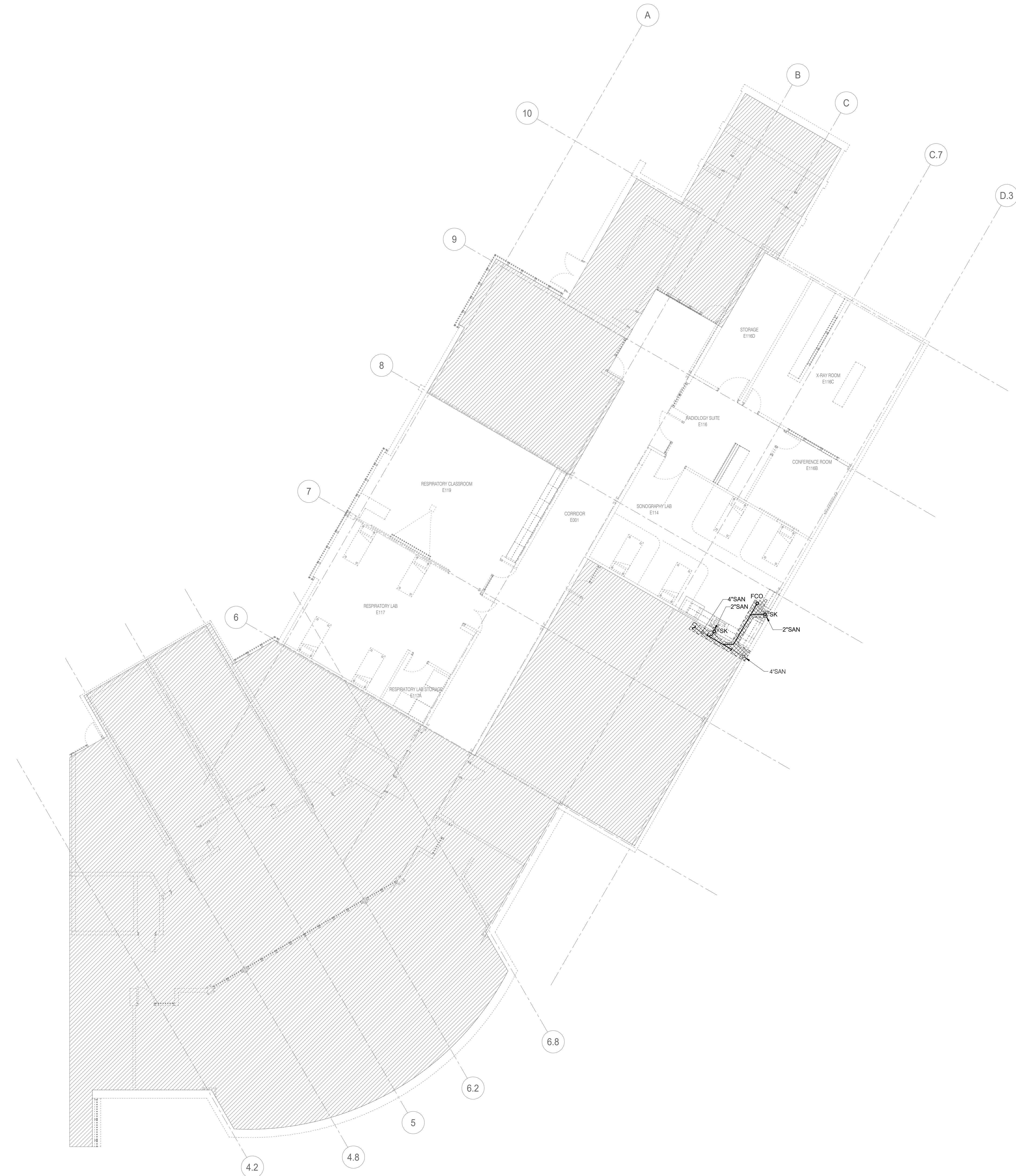
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 PROJECT #24007530.02



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**GENERAL SHEET NOTES:**  
 1. CONTRACTOR SHALL SAWCUT EXISTING FLOOR AS REQUIRED TO PERFORM WORK. PATCH TO MATCH EXISTING CONSTRUCTION.



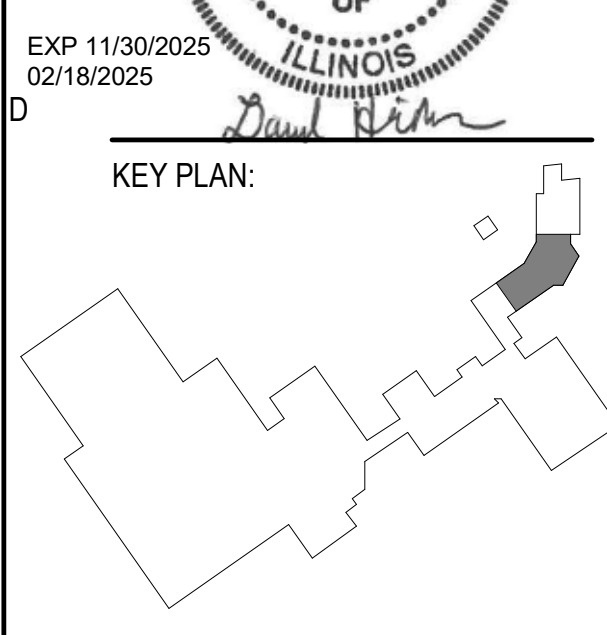
**1 OVERALL - UNDERFLOOR PLAN - PLUMBING**  
 1/8" = 1'-0"

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 DKA PROJECT NO: 24-032



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**OVERALL UNDERFLOOR PLAN - PLUMBING**

SHEET NUMBER:  
**P1.00**



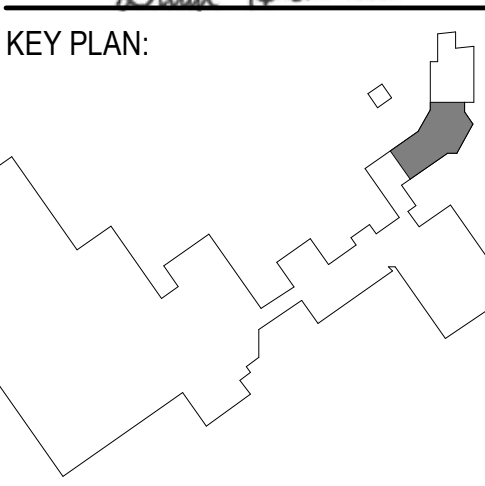
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SHEET TITLE:  
**OVERALL FLOOR PLANS - PLUMBING**

SHEET NUMBER:  
**P1.01**

2/17/2025 10:24:36 AM



**1 OVERALL FLOOR PLAN - LEVEL 01 - PLUMBING**  
 3/32" = 1'-0"

**2 OVERALL FLOOR PLAN - LEVEL 02 - PLUMBING**  
 3/32" = 1'-0"

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 PROJECT #24007530-02





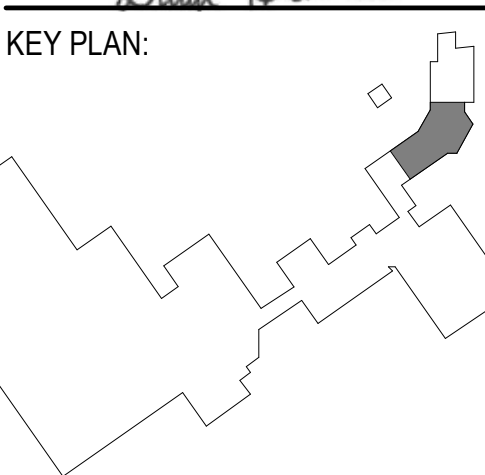
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 8600 ROUTE 14, SUITE 205  
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EXP 11/30/2025  
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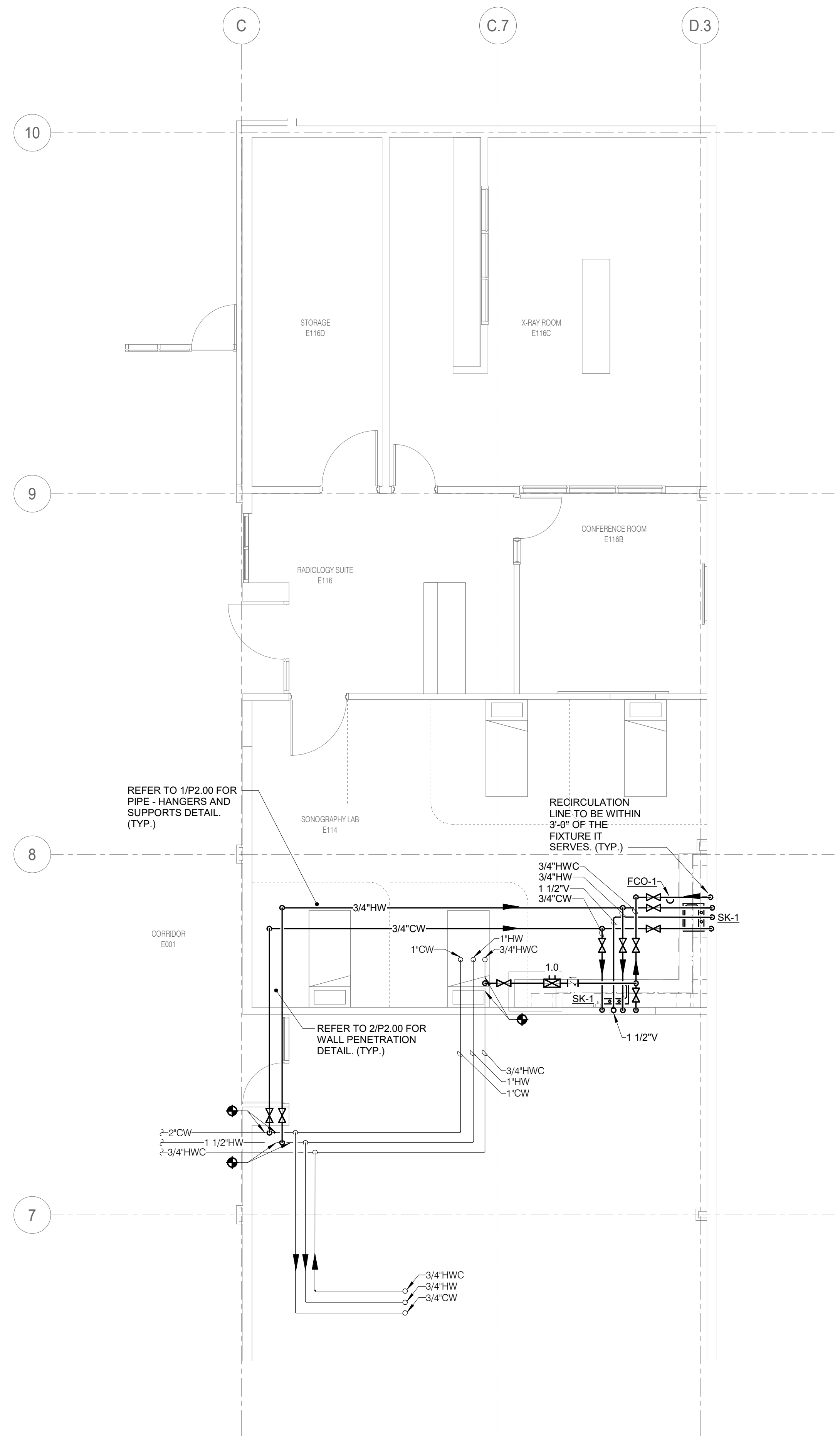
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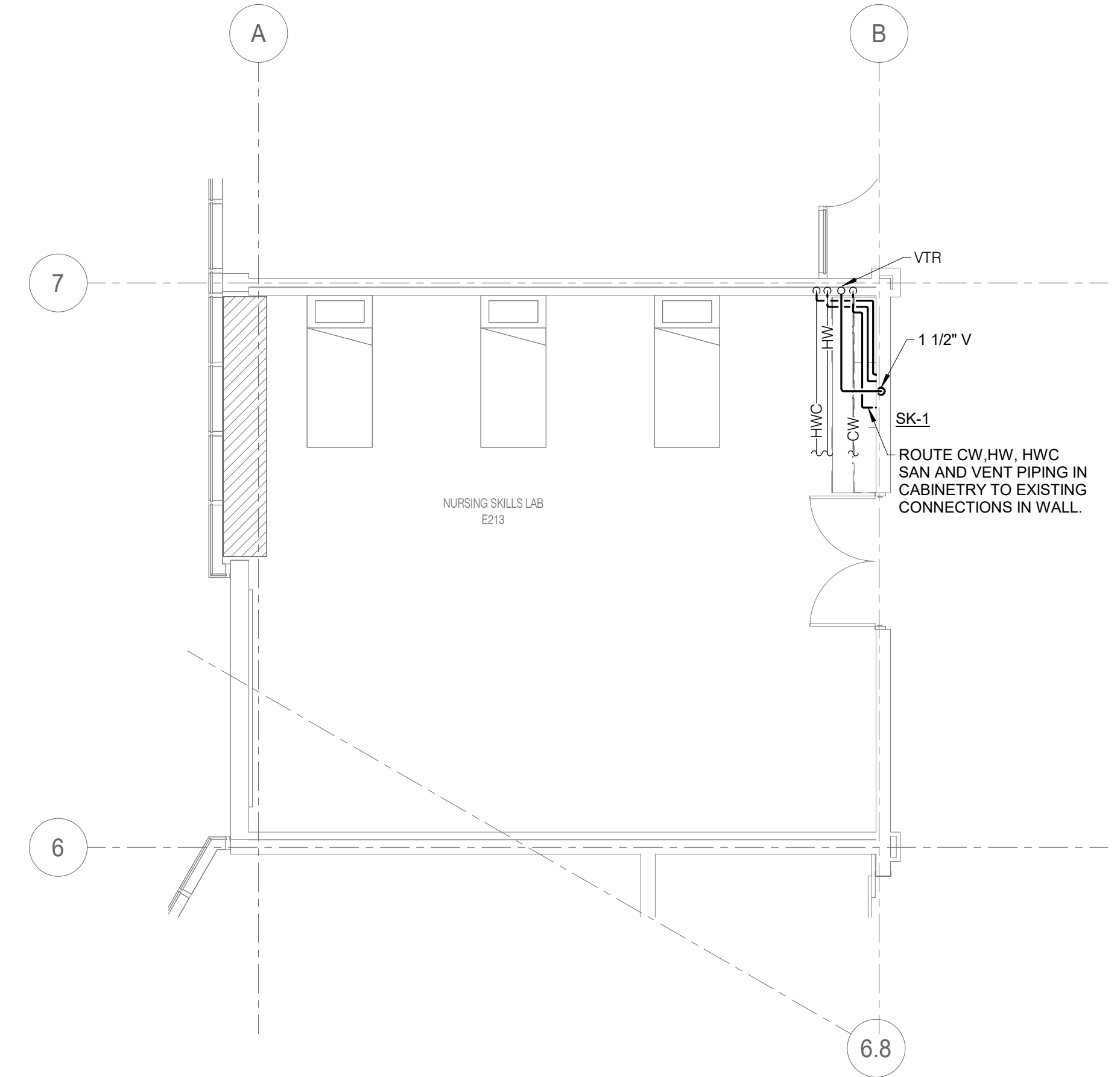
SHEET TITLE:  
**FLOOR PLANS - PLUMBING**

SHEET NUMBER:

**P1.02**



**1 LEVEL 01 - PLUMBING - RADIOLOGY**  
 3/16" = 1'-0"



**2 LEVEL 02 - PLUMBING - NURSING SKILLS LAB**  
 3/16" = 1'-0"

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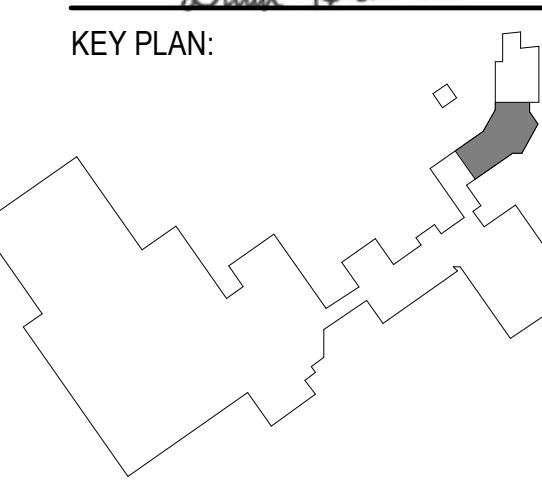
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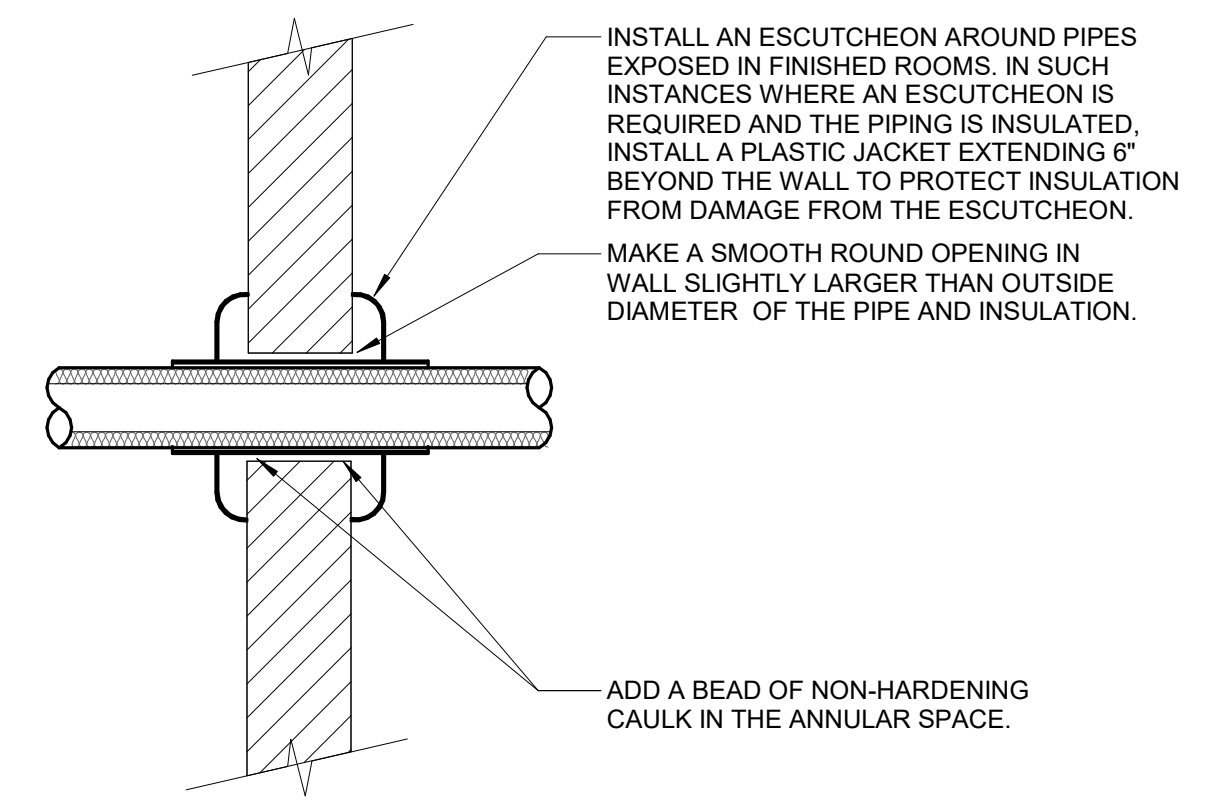
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SHEET TITLE:  
**PLUMBING DETAILS**

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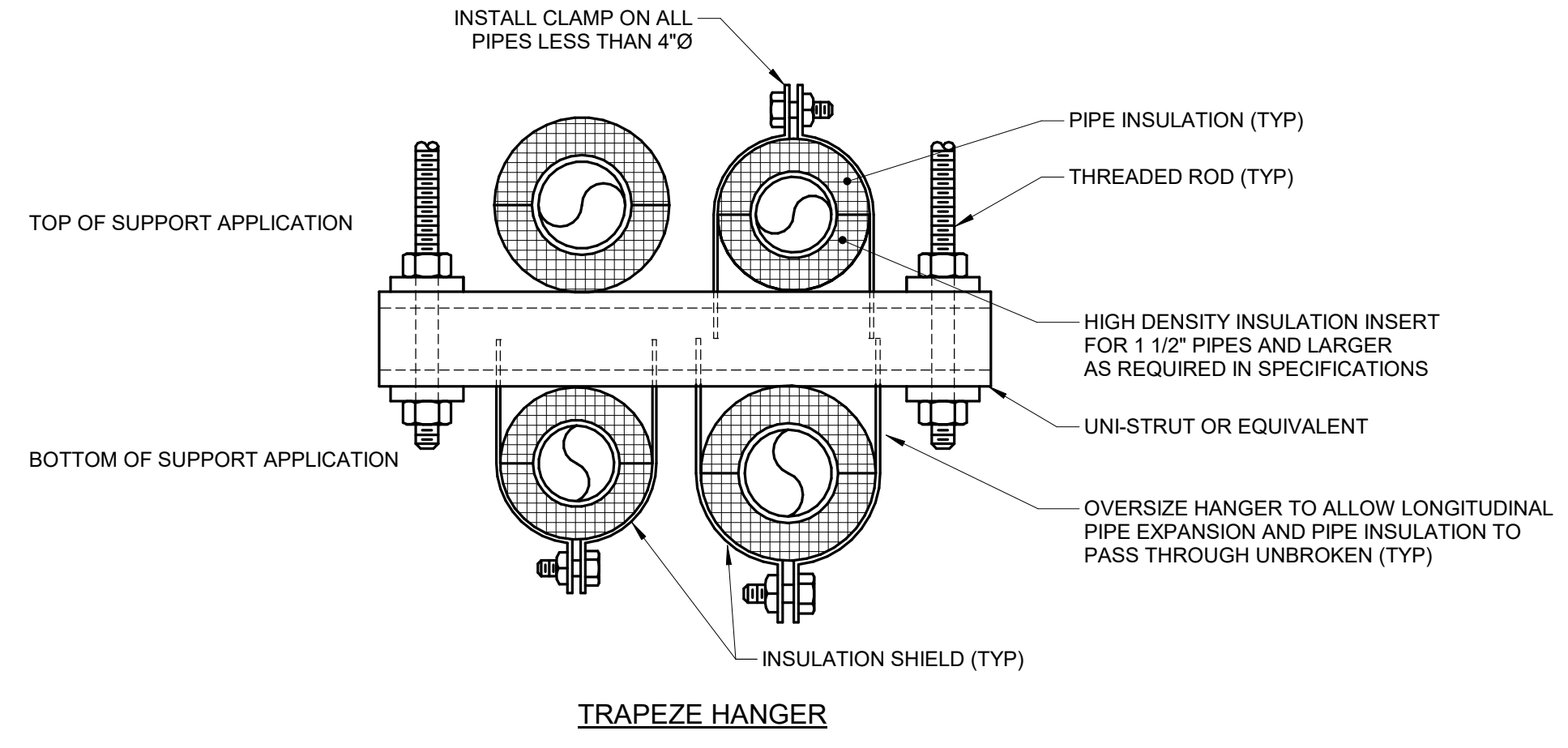
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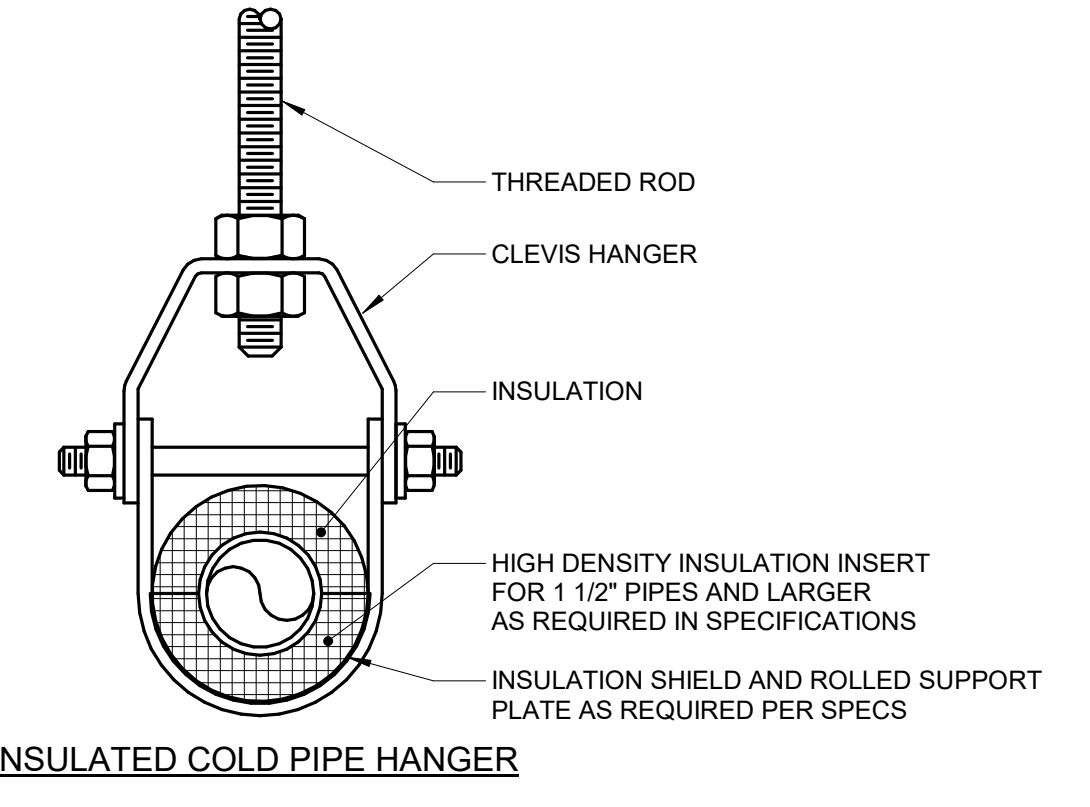
- NOTES:**
1. THIS DETAIL APPLIES TO ALL PIPES. THE INTENTION IS TO CONTINUE THE INSULATION AND VAPOR BARRIER THROUGH ALL PENETRATIONS. PERMIT THERMAL EXPANSION WITHOUT DAMAGING INSULATION, AND TO SEAL AIRTIGHT AROUND INSULATED AND UNINSULATED PIPES FOR NOISE TRANSMISSION CONTROL.
  2. SEE SPECIFICATION SECTION 22 05 29 - PLUMBING FOR ADDITIONAL INFORMATION.
  3. FLOOR OPENINGS ARE SIMILAR. SEE SPECIFICATION SECTION 22 05 31 - PLUMBING FOR DIFFERENCES BETWEEN FLOOR AND WALL PENETRATIONS.

**2 WALL PENETRATION - NON-FIRE RATED**  
 NO SCALE



- NOTES:**
1. REFER TO SPECIFICATION SECTION 22 05 29-PLUMBING & SECTION 22 07 19-PLUMBING.

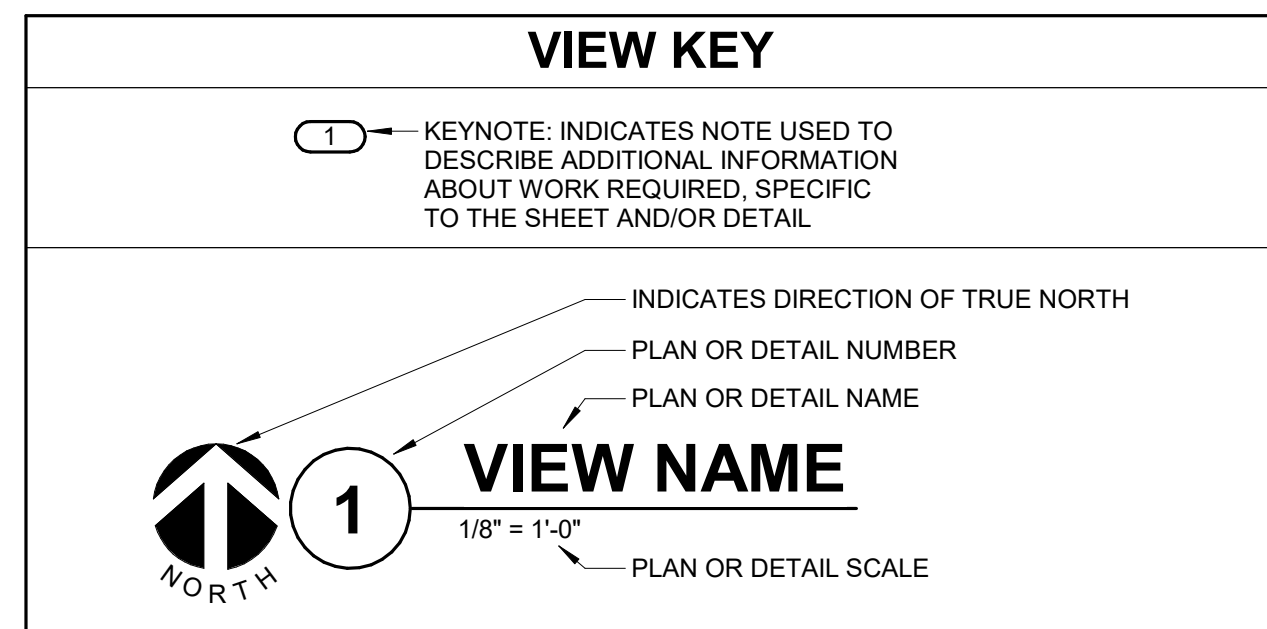
**1 PIPE - HANGERS AND SUPPORTS**  
 NO SCALE



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 REV. SCALE IN INCHES PROJECT #24007530-02



**FIRE PROTECTION SYMBOL LIST**

NOT ALL SYMBOLS MAY APPLY.

| SYMBOL:        | DESCRIPTION:     |
|----------------|------------------|
| ---            | AREA BOUNDARY    |
| NO HATCH       | LIGHT HAZARD     |
| DIAGONAL HATCH | ORDINARY GROUP 1 |

**MECHANICAL RENOVATION NOTES:**

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO FIRE PROTECTION, PLUMBING, VENTILATION AND PIPING.

- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
- NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
- FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISERS AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
- THE CONSTRUCTION MANAGER SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
- EACH CONTRACTOR SHALL CUT AND PATCH ROOFS, WALLS, AND FLOORS ASSOCIATED WITH THEIR WORK.
- THE CONSTRUCTION MANAGER IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS.
- WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
- PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
- OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
- DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

**FIRE PROTECTION GENERAL NOTES:**

- THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
- CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER IS THE BASIS OF DESIGN.
- CENTER SPRINKLERS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x4' CEILING TILES CENTERING USING A 2'x2' CEILING PATTERN IS ACCEPTABLE. SPRINKLER HEADS SHALL BE ALIGNED WITH OTHER SPRINKLER HEADS, LIGHTING, DIFFUSERS, AND ANY OTHER FEATURES IN THE CEILING.
- NEW SPRINKLERS SHALL BE QUICK RESPONSE TYPE, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOT MIX STANDARD RESPONSE SPRINKLERS WITH QUICK RESPONSE SPRINKLERS IN UNPARTITIONED SPACES.
- THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED TO MEET OWNER'S INSURANCE COMPANY STANDARDS WHERE APPLICABLE. THE MORE STRINGENT OF THE OWNER'S INSURANCE UNDERWRITERS DESIGN CRITERIA AND THE NFPA STANDARDS SHALL BE USED.
- WHERE FEASIBLE INSTALL PIPES HIGH AS POSSIBLE TO AVOID CONFLICT WITH OTHER DISCIPLINES, AND TO REDUCE THE AMOUNT OF REQUIRED ROD STIFFENER SUPPORTS.
- FOLLOW STRUCTURAL DETAILS WHEN PENETRATING OR PASSING THROUGH STRUCTURAL ELEMENTS. ALTERNATE DESIGNS WILL NEED TO BE APPROVED THROUGH THE STRUCTURAL ENGINEER.
- FINAL HEAD LOCATION, TYPE AND FINISH SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT.
- THE OWNER MUST BE NOTIFIED PRIOR TO EACH AND EVERY DRAINING OR RECHARGING OF THE SPRINKLER SYSTEM.
- THE CONTRACTOR SHALL PREPARE A COORDINATED SET OF SHOP DRAWINGS AND SHALL OBTAIN APPROVAL FROM THE AUTHORITIES HAVING JURISDICTION AND THE LOCAL FIRE DEPARTMENT PRIOR TO ANY INSTALLATION.
- VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.

**MECHANICAL GENERAL NOTES:**

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- SEAL ALL FLOOR AND WALL AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
- CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
- DO NOT EXCEED 25 LBS PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER WHEN ATTACHING TO METAL ROOF DECKING (LIMITATION NOT REQUIRED WITH CONCRETE ON METAL DECK). THIS 25 LBS. LOAD AND 2'-0" SPACING INCLUDE ADJACENT ELECTRICAL AND ARCHITECTURAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, SUPPLEMENTAL FRAMING OFF STEEL FRAMING SHALL BE ADDED. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

**FIRE PROTECTION SHEET INDEX**

|                |  |
|----------------|--|
| F0.00          | FIRE PROTECTION COVERSHEET                 |
| F01.01         | OVERALL DEMOLITION PLANS - FIRE PROTECTION |
| F1.00          | OVERALL FLOOR PLANS - FIRE PROTECTION      |
| F2.00          | FIRE PROTECTION DETAILS AND SCHEDULES      |
| GRAND TOTAL: 4 |  |



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**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025

KEY PLAN:

SHEET STATUS: 02/18/2025

**ISSUED FOR BID - NOT FOR CONSTRUCTION**

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SHEET TITLE:  
**FIRE PROTECTION COVERSHEET**

SHEET NUMBER:

**F0.00**

2/17/2025 10:26:06 AM

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 REV. SCALE IN INCHES PROJECT #24007530-02



**GENERAL SHEET NOTES:**  
 1. DISCONNECT AND REMOVE FIRE PROTECTION BRANCH PIPING AND SPRINKLERS WITHIN AREA OF WORK AS REQUIRED FOR NEW LAYOUT.  
 2. CONTRACTOR IS ALLOWED TO TURN HEADS UP DURING CONSTRUCTION PHASE UNTIL NEW LOCATION IS FINALIZED. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.



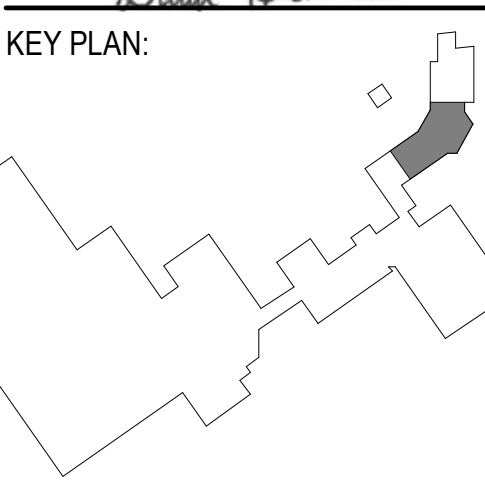
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SHEET STATUS: 02/18/2025  
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SHEET TITLE:  
**OVERALL DEMOLITION PLANS - FIRE PROTECTION**

SHEET NUMBER:  
**FD1.01**

2/17/2025 10:26:06 AM



**1 OVERALL DEMOLITION PLANS - LEVEL 01 - FIRE PROTECTION**  
 3/32" = 1'-0"

**2 OVERALL DEMOLITION PLANS - LEVEL 02 - FIRE PROTECTION**  
 3/32" = 1'-0"

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 REV. SCALE IN INCHES 1 2 3  
 PROJECT #24007530-02

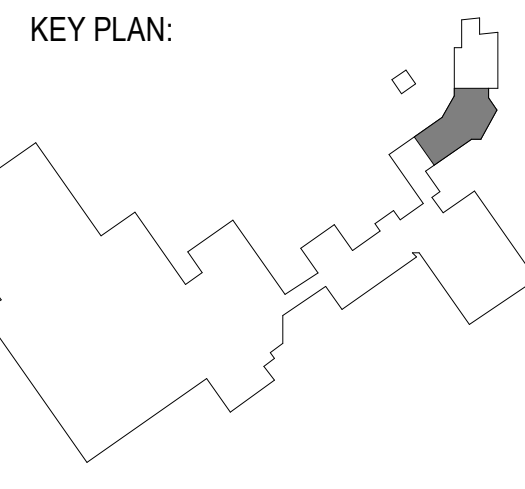
- GENERAL SHEET NOTES:**
1. PROVIDE SPRINKLER LAYOUT AS REQUIRED TO MEET UPDATED FLOOR PLAN. MODIFY PIPING AND PROVIDE NEW SPRINKLERS AS REQUIRED TO MEET NFPA 13.
  2. REFER TO 1/2" FOR PIPE SUPPORT DETAIL.
  3. REFER TO 2/ FOR CONCEALED SPRINKLER PIPE DETAIL.
  4. REFER TO FIRE SPRINKLER USAGE SCHEDULE (SPK).



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 DKA PROJECT NO: 24-032



SHEET STATUS: 02/18/2025  
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SHEET TITLE:  
**OVERALL FLOOR PLANS - FIRE PROTECTION**

SHEET NUMBER:  
**F1.00**



**1 OVERALL FLOOR PLAN - LEVEL 01 - FIRE PROTECTION**  
 3/32" = 1'-0"

**2 OVERALL FLOOR PLAN - LEVEL 02 - FIRE PROTECTION**  
 3/32" = 1'-0"

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 REV. SCALE IN INCHES PROJECT #24007530-02



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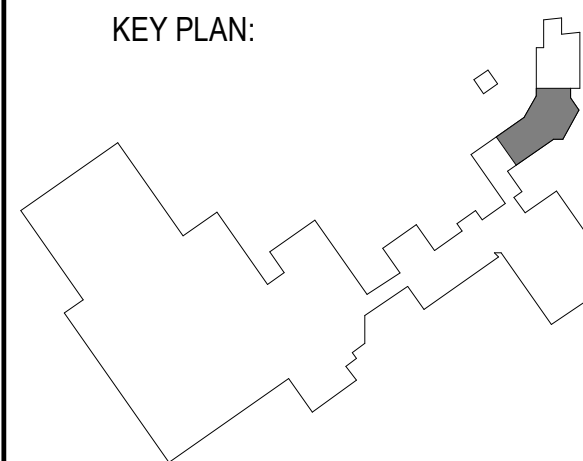
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EXP 11/30/2025  
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KEY PLAN:



SHEET STATUS: 02/18/2025

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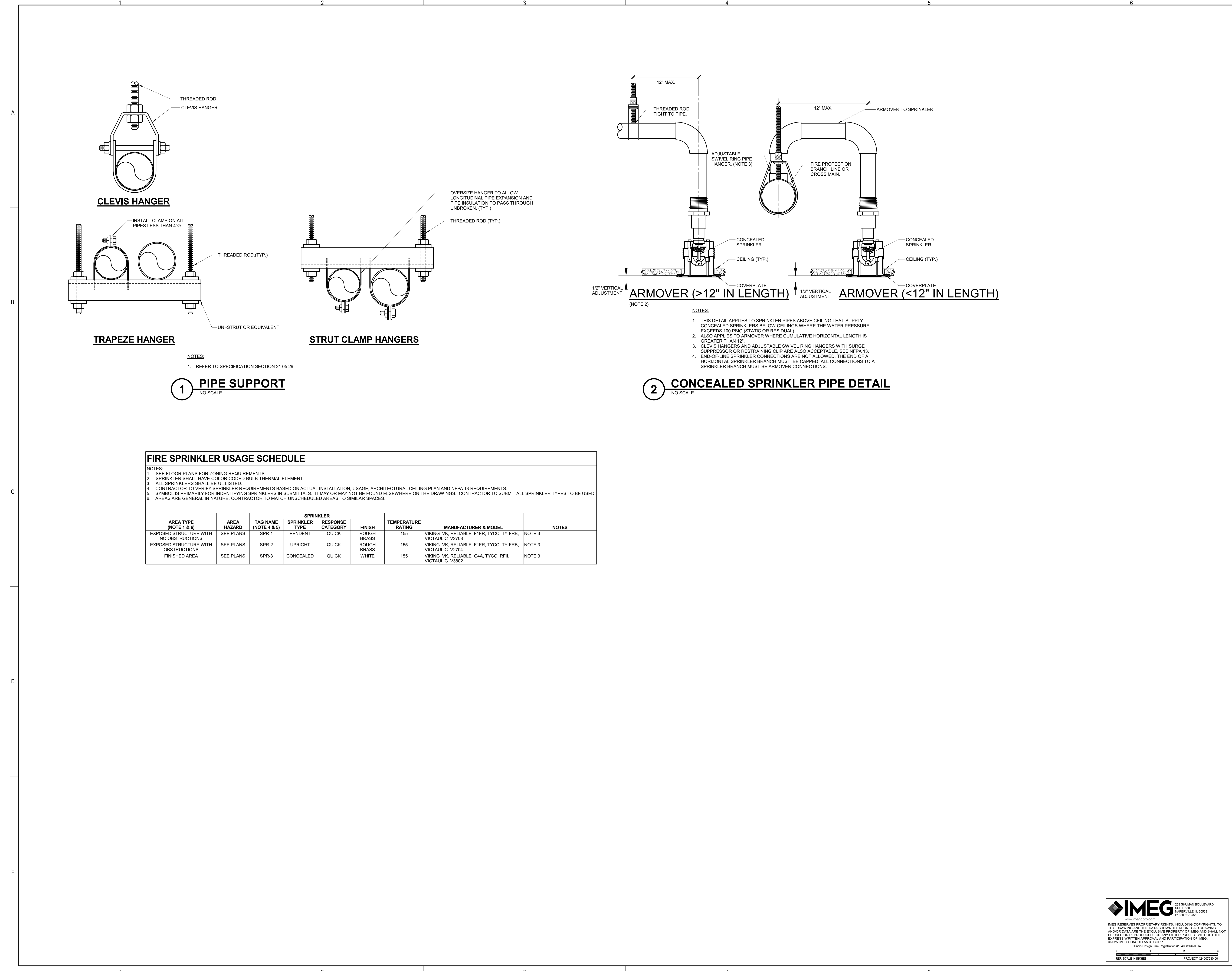
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**FIRE PROTECTION  
 DETAILS AND  
 SCHEDULES**

SHEET NUMBER:

**F2.00**

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**FIRE SPRINKLER USAGE SCHEDULE**

NOTES:  
 1. SEE FLOOR PLANS FOR ZONING REQUIREMENTS.  
 2. SPRINKLER SHALL HAVE COLOR CODED BULB THERMAL ELEMENT.  
 3. ALL SPRINKLERS SHALL BE LISTED.  
 4. CONTRACTOR TO VERIFY SPRINKLER REQUIREMENTS BASED ON ACTUAL INSTALLATION, USAGE, ARCHITECTURAL CEILING PLAN AND NFPA 13 REQUIREMENTS.  
 5. SYMBOL IS PRIMARILY FOR IDENTIFYING SPRINKLERS IN SUBMITTALS. IT MAY OR MAY NOT BE FOUND ELSEWHERE ON THE DRAWINGS. CONTRACTOR TO SUBMIT ALL SPRINKLER TYPES TO BE USED.  
 6. AREAS ARE GENERAL IN NATURE. CONTRACTOR TO MATCH UNSCHEDULED AREAS TO SIMILAR SPACES.

| AREA TYPE<br>(NOTE 1 & 6)                 | AREA<br>HAZARD<br>(NOTE 4 & 5) | TAG NAME<br>(NOTE 4 & 5) | SPRINKLER         |                      |                | TEMPERATURE<br>RATING | MANUFACTURER & MODEL                                      | NOTES  |
|---|--------------------------------|--------------------------|-------------------|----------------------|----------------|-----------------------|---|--------|
|   |                                |                          | SPRINKLER<br>TYPE | RESPONSE<br>CATEGORY | FINISH         |                       |   |        |
| EXPOSED STRUCTURE WITH<br>NO OBSTRUCTIONS | SEE PLANS                      | SPR-1                    | PENDENT           | QUICK                | ROUGH<br>BRASS | 155                   | VIKING VK, RELIABLE F1FR, TYCO TY-FRB,<br>VICTAULIC V2708 | NOTE 3 |
| EXPOSED STRUCTURE WITH<br>OBSTRUCTIONS    | SEE PLANS                      | SPR-2                    | UPRIGHT           | QUICK                | ROUGH<br>BRASS | 155                   | VIKING VK, RELIABLE F1FR, TYCO TY-FRB,<br>VICTAULIC V2704 | NOTE 3 |
| FINISHED AREA                             | SEE PLANS                      | SPR-3                    | CONCEALED         | QUICK                | WHITE          | 155                   | VIKING VK, RELIABLE G4A, TYCO RFII,<br>VICTAULIC V3802    | NOTE 3 |

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| VIEW KEY  |   |
|---|---|
|   | NAME  |
|   | LEVEL NAME  |
|   | HEIGHT ABOVE PROJECT 0'-0"  |
|   | KEYNOTE: INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL.             |
|   | INDICATES DIRECTION OF TRUE NORTH   |
|   | PLAN OR DETAIL NUMBER   |
|   | PLAN OR DETAIL NAME   |
|   | PLAN OR DETAIL SCALE  |
|   | VIEW NAME   |
|   | 1/8" = 1'-0"  |
| <b>LINE TYPE AND TAG KEY:</b>                             |   |
|   | NEW WORK BY THIS CONTRACTOR (WIDE LINE)   |
|   | NEW   |
|   | EXISTING TO BE REMOVED (SHORT DASHED PATTERN)   |
| <b>EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)</b> |   |
|   | EXISTING  |
|   | EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)   |
| <b>HALFTONING DOES NOT MODIFY SCOPE.</b>                  |   |
|   | UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST |
|   | INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL  |

| ELECTRICAL SYMBOL LIST |             |               |   |
|------------------------|-------------|---------------|---|
| SYMBOL:                | TAG:        | SPEC SECTION: | DESCRIPTION:                                      |
|                        | ECONN       | 26 05 33      | ELECTRICAL CONNECTION                             |
|                        | JB          | 26 05 33      | JUNCTION BOX                                      |
|                        | PANEL '###' | 26 24 16      | PANELBOARD - SURFACE MOUNT                        |
|                        | CB#         | 26 28 16      | CIRCUIT BREAKER. REFER TO DISC/STA SCHEDULE       |
|                        | EPO         | 26 09 16      | EMERGENCY STOP / POWER OFF (N.C. AND N.O CONTACT) |
|                        | SW-1P-DJ    | 26 09 33      | DOOR JAMB SWITCH                                  |

| ELECTRICAL SYMBOL LIST |         |               |                                     |
|------------------------|---------|---------------|-------------------------------------|
| SYMBOL:                | TAG:    | SPEC SECTION: | DESCRIPTION:                        |
|                        | SW-OC-D | 26 09 33      | OCCUPANCY SENSOR - DUAL TECHNOLOGY  |
|                        | SW-VC-D | 26 09 33      | VACANCY SENSOR - DUAL TECHNOLOGY    |
|                        | SW-VS   | 26 09 33      | SWITCH - VACANCY SENSOR WALL SWITCH |
|                        | SW      | 26 09 33      | WALL CONTROL STATION                |

| ELECTRICAL SYMBOL LIST |             |               |  |
|------------------------|-------------|---------------|--|
| SYMBOL:                | TAG:        | SPEC SECTION: | DESCRIPTION:                                 |
|                        | REC-DUP     | 26 27 26      | DUPLEX TAMPER RESISTANT RECEPTACLE, 125V     |
|                        | REC-DUP-GFI | 26 27 26      | DUPLEX TAMPER RESISTANT GFI RECEPTACLE, 125V |
|                        | REC-QUAD    | 26 27 26      | QUAD TAMPER RESISTANT RECEPTACLE, 125V       |

| ELECTRICAL SYMBOL LIST |      |               |                       |
|------------------------|------|---------------|-----------------------|
| SYMBOL:                | TAG: | SPEC SECTION: | DESCRIPTION:          |
|                        |      |               | LINEAR LUMINAIRES     |
|                        |      |               | TROFFER               |
|                        |      |               | DOWNLIGHT LUMINAIRE   |
|                        |      |               | SINGLE FACE EXIT SIGN |

| ELECTRICAL SYMBOL LIST |        |               |   |
|------------------------|--------|---------------|---|
| SYMBOL:                | TAG:   | SPEC SECTION: | DESCRIPTION:  |
|                        | FA-120 | 26 31 00      | FIRE ALARM SMOKE DETECTOR, CEILING MOUNT  |
|                        | FA-221 | 26 31 00      | COMBINATION AUDIO (HORN) AND VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED<br># = CANDELA RATING |
|                        | FA-200 | 26 31 00      | FIRE ALARM VISUAL ALARM DEVICE, CEILING MOUNT<br># = CANDELA RATING.                            |

| ELECTRICAL EQUIPMENT TAGS |                         |                       |
|---------------------------|-------------------------|-----------------------|
| TAG:                      | DESCRIPTION:            | RELATED SPECIFICATION |
| SPD-#                     | SURGE PROTECTION DEVICE | 26 43 00              |
| WD-#                      | WALL DUCT               | 26 05 38              |

| ELECTRICAL ABBREVIATION KEY |  |
|-----------------------------|--|
| ABBR:                       | DESCRIPTION:                               |
| ABV                         | ABOVE                                      |
| AFF                         | ABOVE FINISHED FLOOR                       |
| C                           | CONDUIT (BRANCH CIRCUIT OR FEEDER CONTEXT) |
| EGC                         | EQUIPMENT GROUNDING CONDUCTOR              |
| NC                          | NORMALLY CLOSED                            |
| NEMA #                      | NEMA RATING                                |
| NIC                         | NOT IN CONTRACTED SCOPE                    |
| NO                          | NORMALLY OPEN                              |
| TYP                         | TYPICAL                                    |
| UON                         | UNLESS OTHERWISE NOTED                     |

| RECEPTACLE SUBSCRIPT KEY:  |  |
|--|--|
| <b>DEVICE KEY:</b>   |  |
| DEVICE   |  |
| #  | = MOUNTING (IF APPLICABLE)                             |
| 1  | = CIRCUIT NUMBER                                       |
| *IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1 |  |
| <b>ELECTRICAL MOUNTING SUBSCRIPT KEY:</b>  |  |
| A  | MOUNT AT 48" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH |
| C  | MOUNT AT CEILING (DEVICE OR ROUGH-IN CONTEXT)          |

| CONTRACTOR ABBREVIATION KEY |                       |
|-----------------------------|-----------------------|
| ABBR:                       | DESCRIPTION:          |
| E.C.                        | ELECTRICAL CONTRACTOR |
| M.C.                        | MECHANICAL CONTRACTOR |
| P.C.                        | PLUMBING CONTRACTOR   |
| T.C.                        | TECHNOLOGY CONTRACTOR |

| CONDUIT INSTALLATION SCHEDULE   |     |     |     |
|---|-----|-----|-----|
| THE FOLLOWING SCHEDULE SHALL BE ADHERED TO UNLESS THEY CONSTITUTE A VIOLATION OF APPLICABLE CODES OR ARE NOTED OTHERWISE ON THE DRAWINGS. THE INSTALLATION OF RMC CONDUIT WILL BE PERMITTED IN PLACE OF ALL CONDUIT SPECIFIED IN THIS SCHEDULE. REFER TO CONDUIT AND BOXES SPECIFICATION 26 05 33 FOR ADDITIONAL INFORMATION. |     |     |     |
| INSTALLATION TYPE   | RMC | IMC | EMT |
| BRANCH CIRCUITS: LIGHTING, RECEPTACLES, CONTROLS, ETC.  |     | X   | X   |
| CONTROLS (LIGHTING, POWER, BUILDING AUTOMATION, ETC.)   |     | X   | X   |
| WET AND DAMP LOCATIONS (CONDUIT, BOXES, FITTINGS, INSTALLED AND EQUIPPED TO PREVENT WATER ENTRY)  | X   |     |     |
| INTERIOR LOCATIONS WITH FINISHED CEILING AND WALLS: CONCEALED IN WALLS AND ABOVE FINISHED CEILINGS  |     |     | X   |
| INTERIOR LOCATIONS WITHOUT FINISHED CEILINGS: CONCEALED IN WALL, EXPOSED ABOVE CEILINGS   |     | X   | X   |
| EXISTING INTERIOR LOCATIONS WITH FINISHED CEILINGS AND WALLS: CONCEALED IN WALLS AND ABOVE FINISHED CEILING UNLESS OTHERWISE NOTED  |     |     | X   |

- ### ELECTRICAL INSTALLATION NOTES:
- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN.
  - CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.
  - LIFE SAFETY BRANCH WIRING FOR FEEDERS AND BRANCH CIRCUITS SHALL BE ROUTED IN SEPARATE RACEWAY, JUNCTION BOXES, PULL BOXES, AND CABINETS. WIRING FOR EACH BRANCH SHALL BE INDEPENDENT FROM OTHER BRANCHES, INCLUDING THE NORMAL BRANCH.
  - FLUSH MOUNT ALL LIGHTING CONTROL DEVICES AT 42" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED.
  - FLUSH MOUNT ALL DUPLEX RECEPTACLES AND TECHNOLOGY OUTLETS AT 48" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. RECEPTACLES AND OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
  - ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO 26 05 03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
  - INSTALL ALL WALL MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90" ABOVE FINISHED FLOOR OR 8" BELOW THE CEILING, WHICHEVER IS LOWER, EXCEPT WHERE OTHERWISE NOTED. HEIGHT SHALL BE MEASURED TO THE TOP OF THE DEVICE.
  - CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS, CARBON MONOXIDE DETECTORS, AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE. CARBON MONOXIDE DETECTORS SHALL BE LOCATED 10 PLUS FT FROM FIRE PLACES, COOKING, AND SIMILAR FUEL-BURNING APPLIANCES.
  - CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
  - ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, OR EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
  - EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
  - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIOVISUAL, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
  - ELECTRICAL IDENTIFICATION. REFER TO SPECIFICATION SECTION 26 05 53 FOR COLOR/LABEL REQUIREMENTS FOR CONDUIT, BOX, CABLE/WIRE, AND EQUIPMENT.

- ### ELECTRICAL RENOVATION NOTES:
- THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, FIRE ALARM, AND OTHER LOW VOLTAGE SYSTEMS.
- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
  - NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
  - CONTRACTOR SHALL REVIEW EXISTING CONDITIONS PRIOR TO FABRICATION OF CONDUIT RACKS, AND OTHER SYSTEMS. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
  - ELECTRICAL CONTRACTOR SHALL REVIEW EXISTING CONDITIONS TO VERIFY ACCESSIBILITY TO THE AREAS OF THEIR WORK INCLUDING WALLS, FLOOR, CEILINGS, CEILING TILES/GRID, AND ROOF. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE CUTTING, REMOVAL, PATCHING, AND REINSTALLATION OF AFFECTED AREAS ASSOCIATED WITH THEIR WORK BY COORDINATING WITH THE GENERAL CONTRACTOR OR QUALIFIED CONTRACTOR.
  - WHERE EXISTING ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.

| ELECTRICAL SHEET INDEX |                                  |
|------------------------|----------------------------------|
| E0.00                  | ELECTRICAL COVERSHEET            |
| E0.01                  | OVERALL CAMPUS PLAN - ELECTRICAL |
| E1.00                  | OVERALL FLOOR PLANS - ELECTRICAL |
| ED1.10                 | DEMOLITION PLANS - ELECTRICAL    |
| E1.10                  | FLOOR PLANS - LIGHTING           |
| E1.20                  | FLOOR PLANS - POWER              |
| E1.30                  | FLOOR PLANS - SYSTEMS            |
| E2.00                  | ELECTRICAL DETAILS               |
| E3.00                  | ELECTRICAL ONE LINE DIAGRAM      |
| E4.00                  | ELECTRICAL SCHEDULES             |
| GRAND TOTAL:           | 10                               |



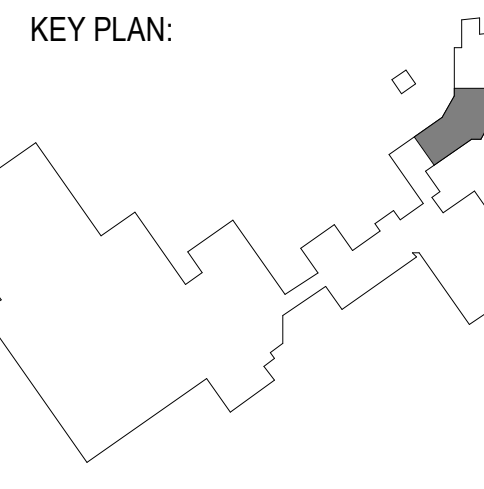
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 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

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**IMEG CORP.**  
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 P: 630.527.2320

**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025



SHEET STATUS: 02/18/2025  
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SHEET TITLE:  
**ELECTRICAL COVERSHEET**

SHEET NUMBER:  
**E0.00**

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Illinois Design Firm Registration #16020976-014  
 REF. SCALE IN INCHES PROJECT #24007530-02



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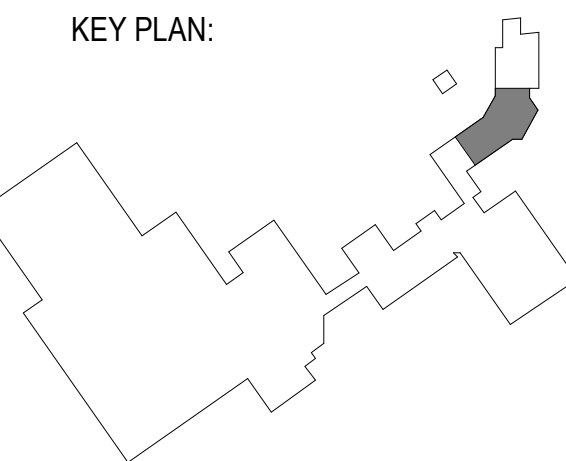
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 DKA PROJECT NO: 24-032



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KEY PLAN:



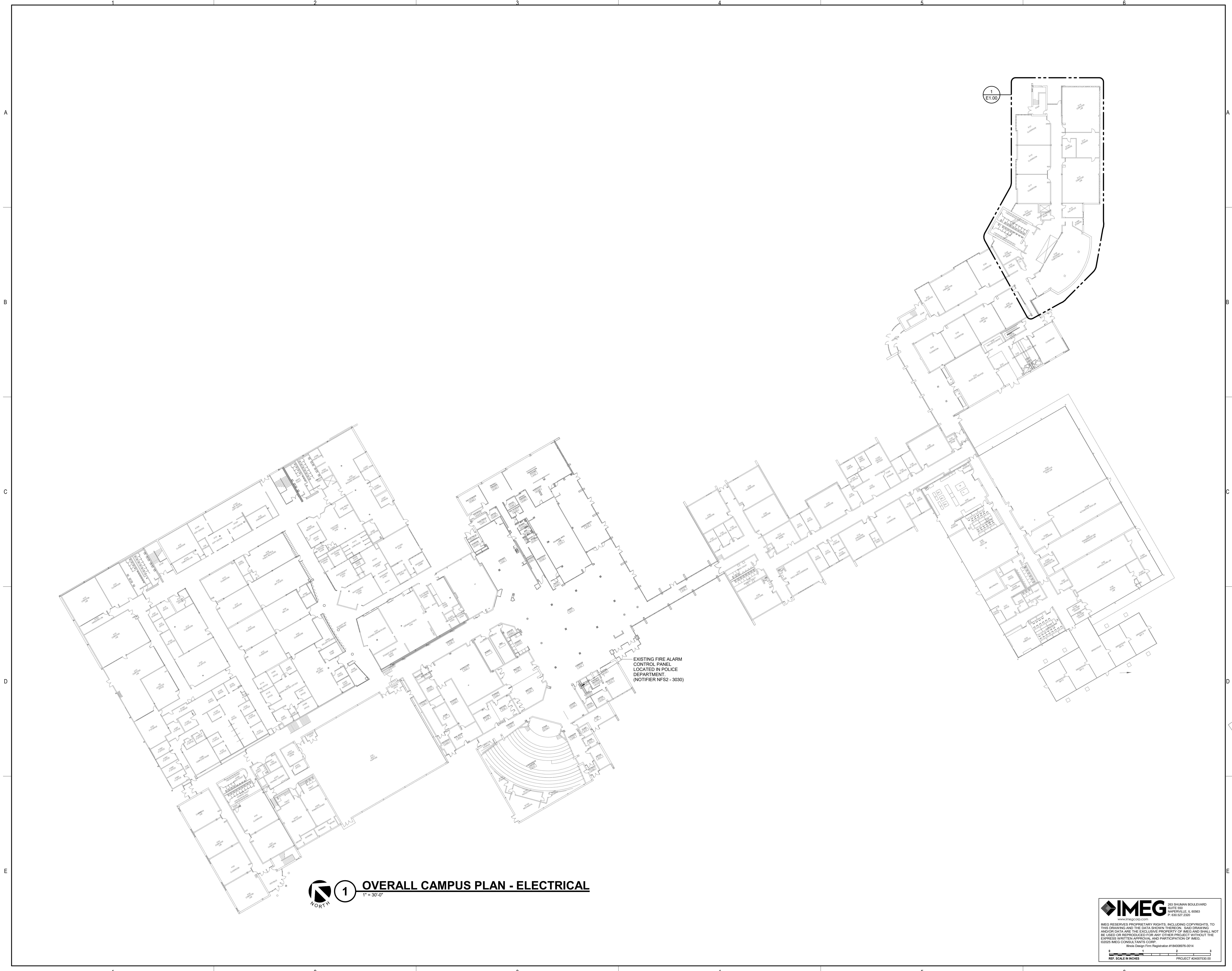
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SHEET TITLE:  
**OVERALL CAMPUS PLAN - ELECTRICAL**

SHEET NUMBER:  
**E0.01**

2/18/2025 11:15:48 AM



EXISTING FIRE ALARM CONTROL PANEL LOCATED IN POLICE DEPARTMENT. (NOTIFIER NFS2 - 3030)

**1** **OVERALL CAMPUS PLAN - ELECTRICAL**  
 1" = 30'-0"

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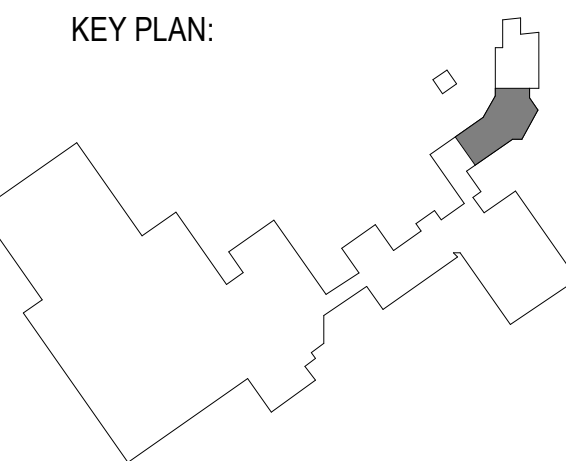
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 HEALTH SCIENCE 2024 RENOVATIONS**

8600 ROUTE 14, SUITE 205  
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 DKA PROJECT NO: 24-032



EXP 11/30/2025  
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KEY PLAN:



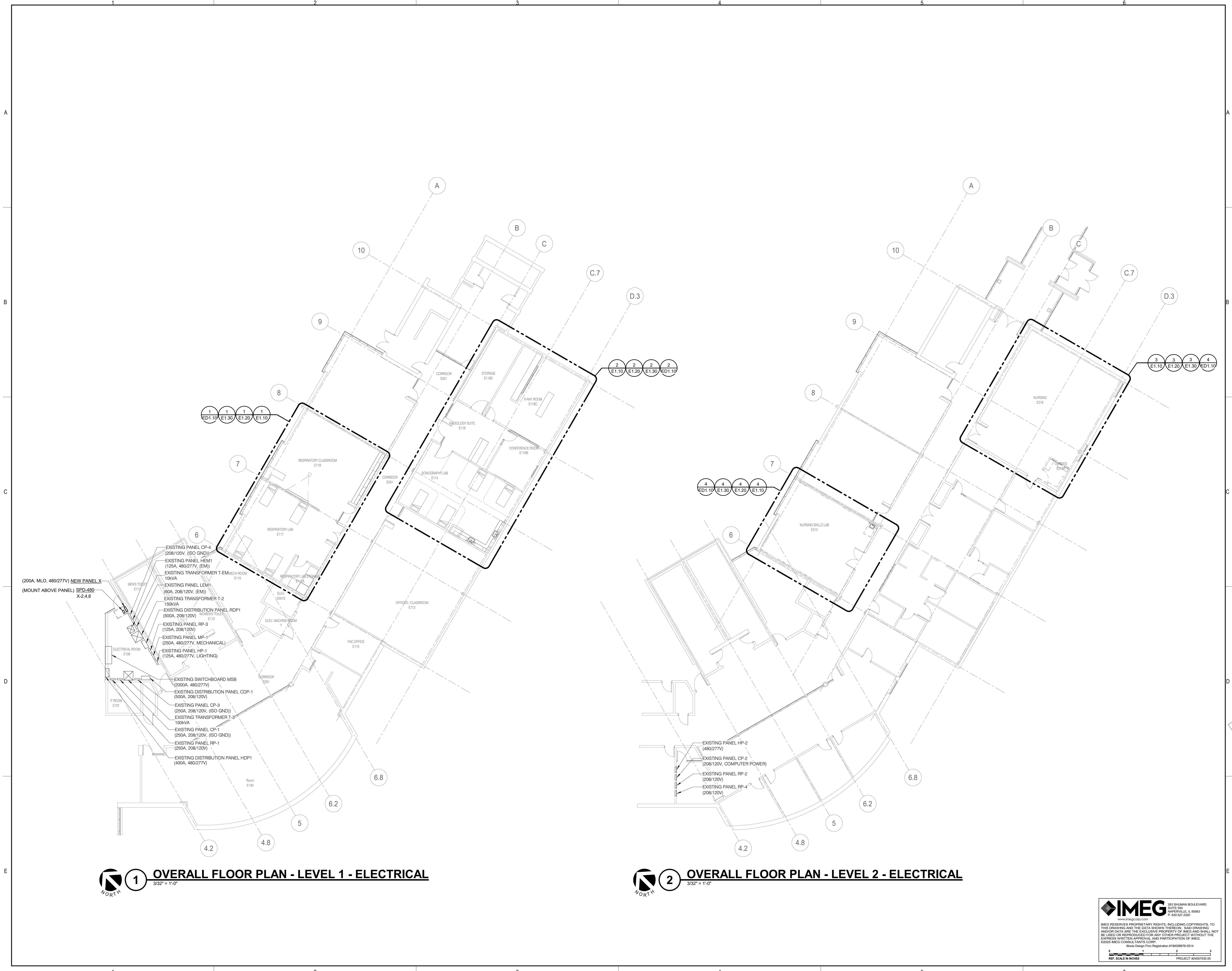
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SHEET TITLE:  
**OVERALL FLOOR  
 PLANS - ELECTRICAL**

SHEET NUMBER:  
**E1.00**

2/18/2025 11:15:51 AM



**1 OVERALL FLOOR PLAN - LEVEL 1 - ELECTRICAL**  
 3/32" = 1'-0"

**2 OVERALL FLOOR PLAN - LEVEL 2 - ELECTRICAL**  
 3/32" = 1'-0"

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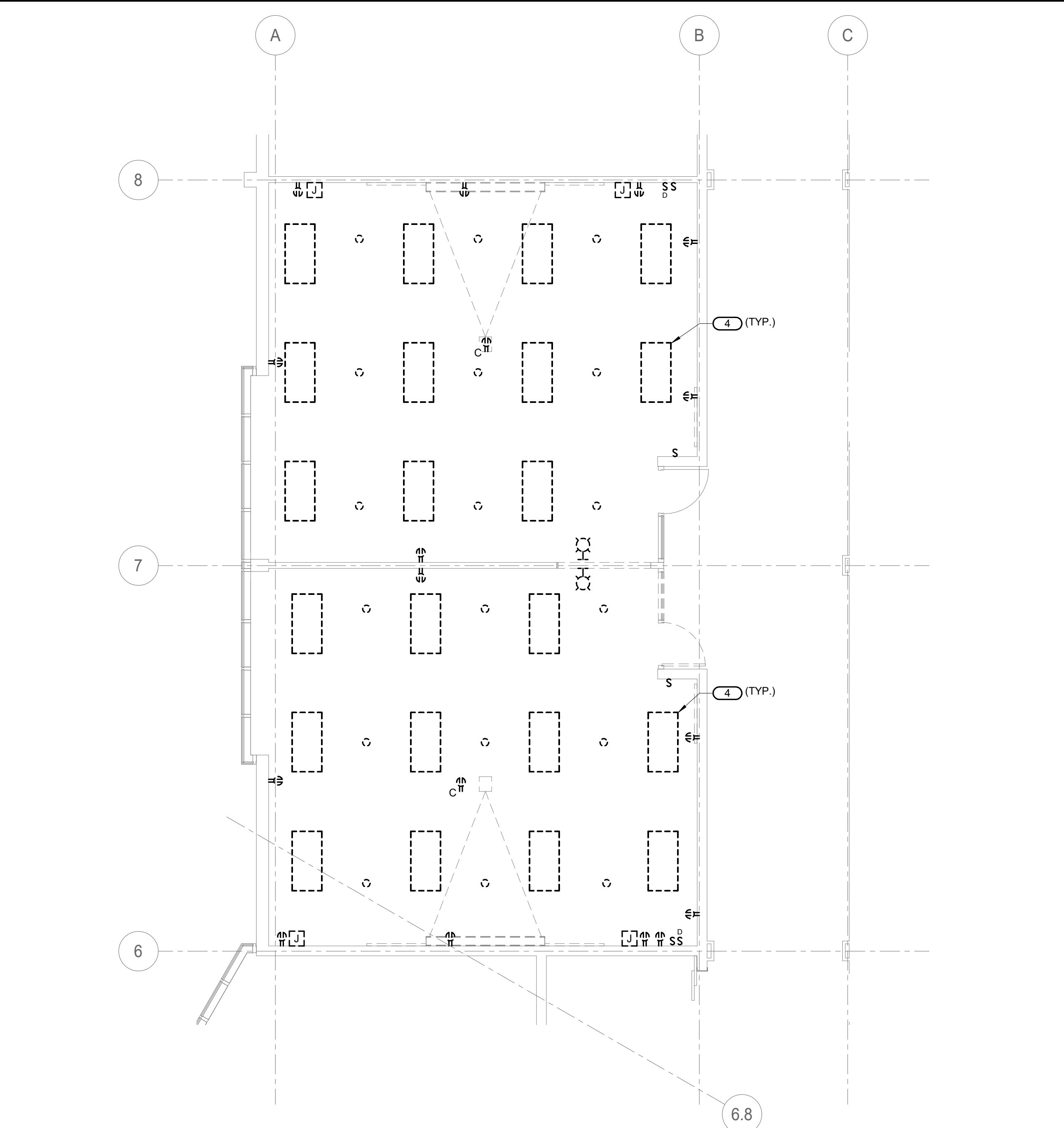
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- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR ELECTRICAL GENERAL NOTES, ELECTRICAL INSTALLATION NOTES, ELECTRICAL SYMBOL LIST, ELECTRICAL DEMOLITION LIST, AND OTHER MISCELLANEOUS ELECTRICAL INFORMATION.
  - REFER TO SPECIFICATION SECTION 26 05 05 FOR DEMOLITION REQUIREMENTS.
  - WHERE DEVICES ARE SCHEDULED TO BE REMOVED ON EXISTING WALLS, REMOVE ANY ASSOCIATED SURFACE BOXES, RACEWAYS AND CONDUIT. RECESSED BOXES SHALL REMAIN. PROVIDE BLANK COVER PLATE FOR ANY EXISTING RECESSED BOXES.
  - REMOVE EXISTING RECEPTACLE AND EQUIPMENT CIRCUITS WITHIN THE LIMITS OF DEMOLITION TO LAST ACTIVE DEVICE OR SOURCE PANEL.

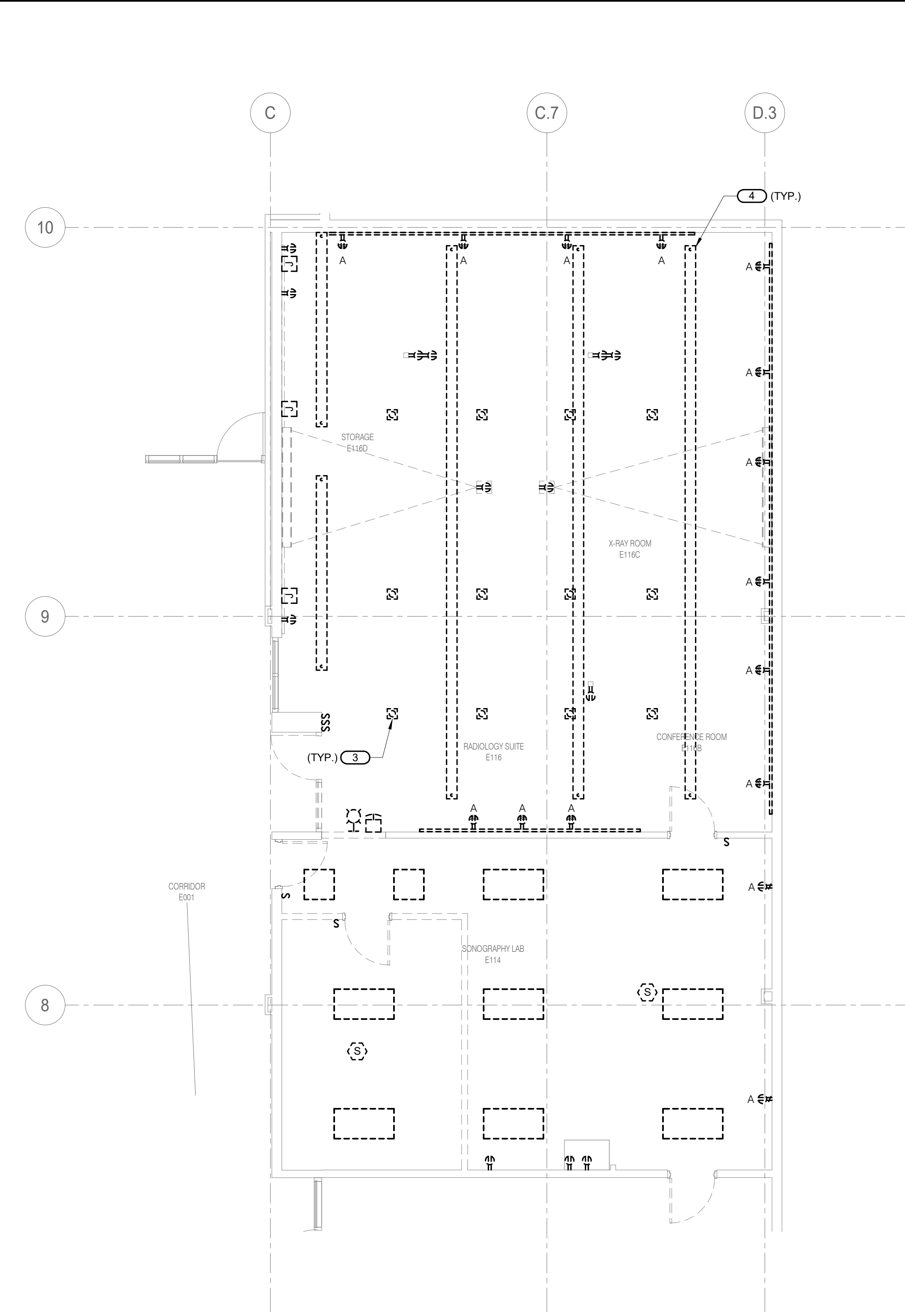
- KEYNOTES:**
- REMOVE AND RELOCATE LUMINAIRE, EXISTING CIRCUIT TO REMAIN. REFER TO SHEET E1.10 FOR ADDITIONAL INFORMATION.
  - REMOVE RECEPTACLE AND COVERPLATE, EXISTING CIRCUIT TO REMAIN FOR RE-USE. REFER TO SHEET E1.20 FOR ADDITIONAL INFORMATION.
  - REMOVE FLOOR BOX INTERIOR COMPONENTS ASSOCIATED WITH UNDERFLOOR RACEWAY. REMOVE WIRING BACK TO SOURCE PANEL. FLOOR BOX SHALL BE ABANDONED AND PROVIDED WITH BLANK COVER.
  - REMOVE EXISTING LIGHTS, EXISTING CIRCUIT TO REMAIN FOR REUSE.
  - EXISTING LIGHTING WALL CONTROLLER TO BE REMOVED AND RELOCATED. REFER TO SHEET E1.10 FOR NEW LOCATION.

**ELECTRICAL EXISTING / DEMOLITION SYMBOL LIST**

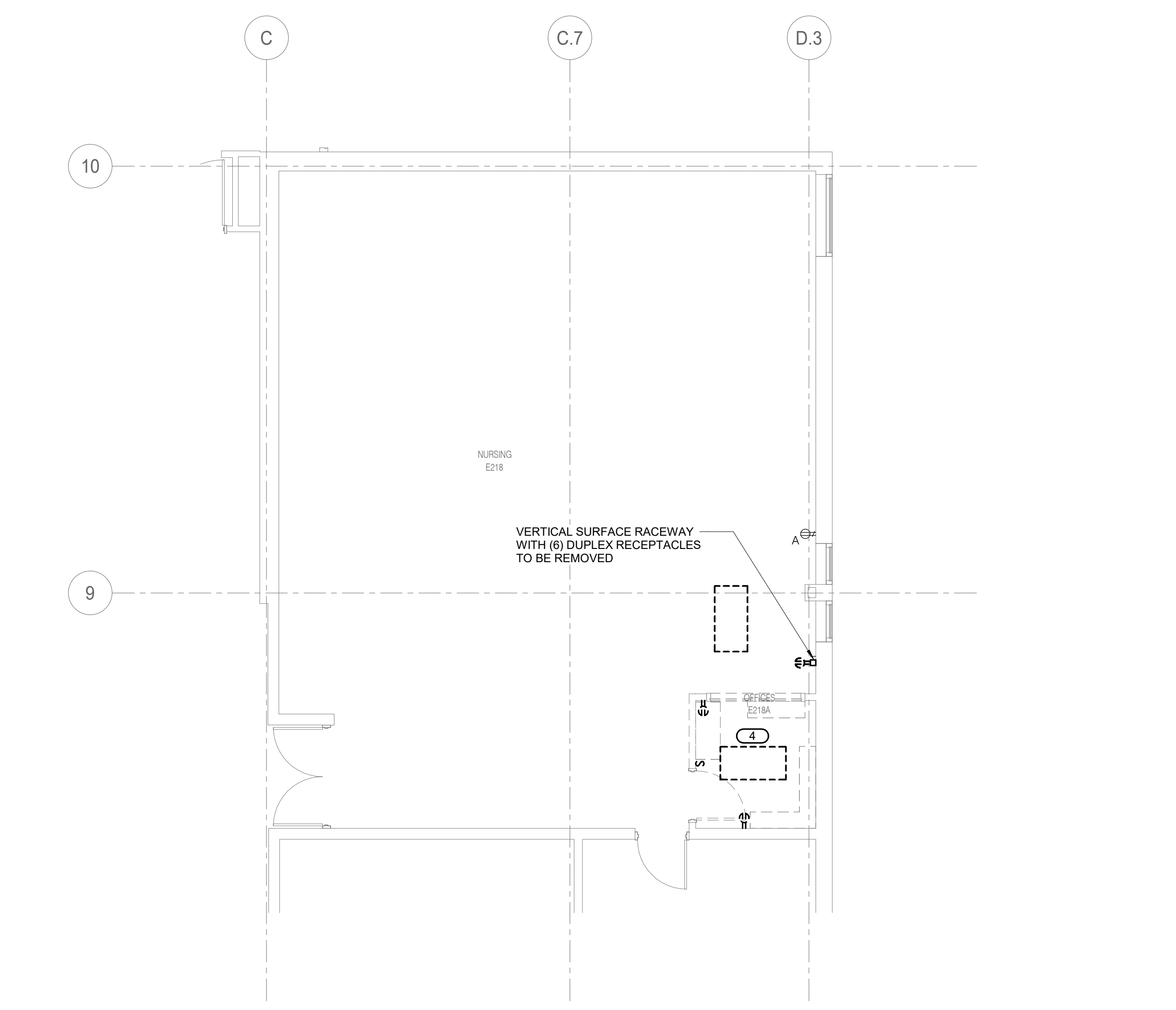
| SYMBOL: | DESCRIPTION:                                |
|---------|---|
|         | JUNCTION CONNECTION                         |
|         | DUPLEX RECEPTACLE                           |
|         | DUPLEX GFI RECEPTACLE                       |
|         | QUAD RECEPTACLE                             |
|         | FLOOR BOX WITH RECEPTACLES                  |
|         | WIRE WAY                                    |
|         | EMERGENCY POWER SHUTDOWN                    |
|         | TROFFER                                     |
|         | LINEAR FIXTURE                              |
|         | DOWNLIGHT LUMINAIRE                         |
|         | DIMMER                                      |
|         | LIGHT SWITCH                                |
|         | LIGHTING WALL CONTROLLER                    |
|         | FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED |
|         | FIRE ALARM VISUAL NOTIFICATION DEVICE       |



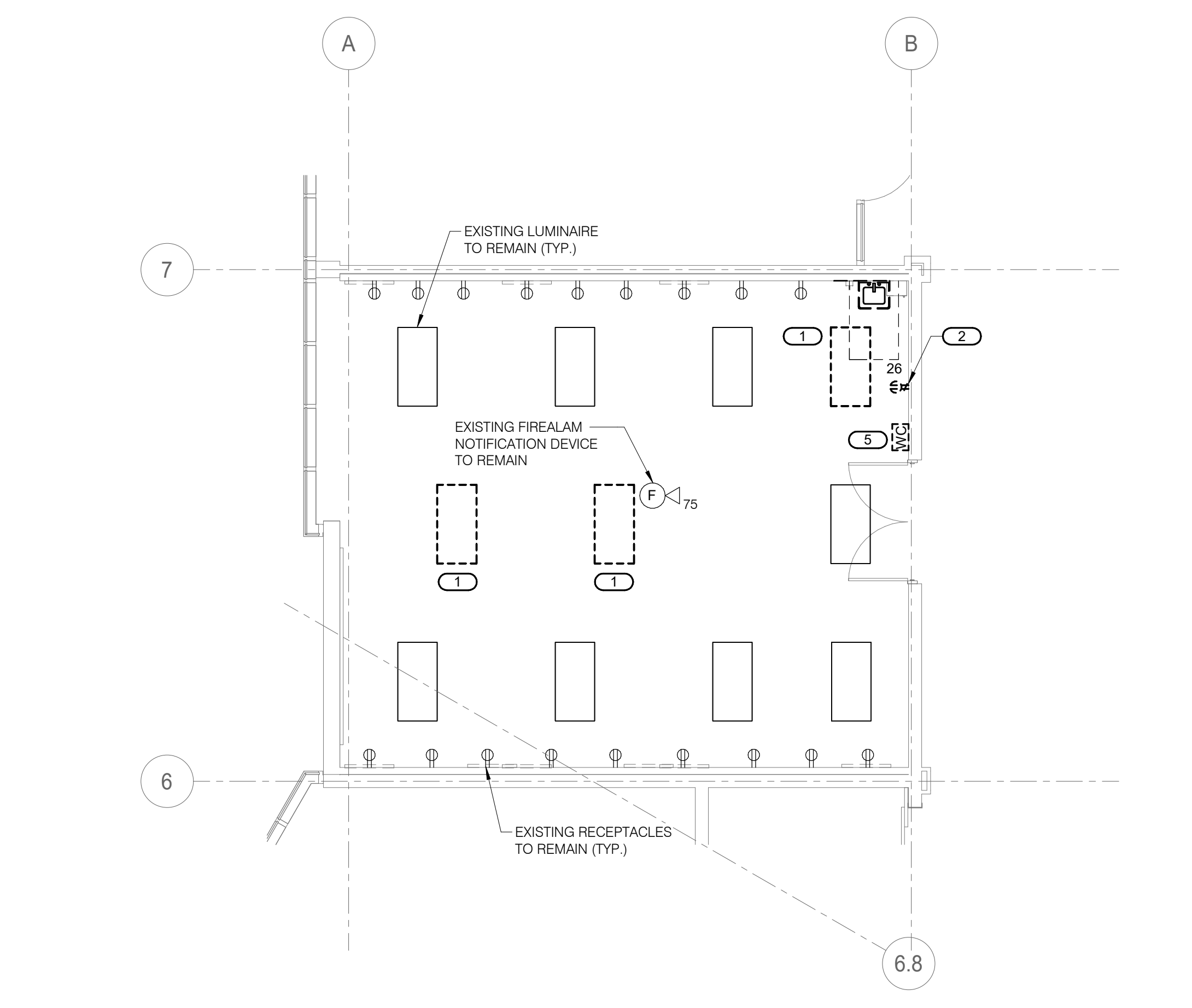
**1 LEVEL 01 DEMOLITION - ELECTRICAL - RESPIRATORY CLASSROOM**  
 3/16" = 1'-0"



**2 LEVEL 01 DEMOLITION - ELECTRICAL - RADIOLOGY**  
 3/16" = 1'-0"



**3 LEVEL 02 DEMOLITION - ELECTRICAL - NURSING**  
 3/16" = 1'-0"

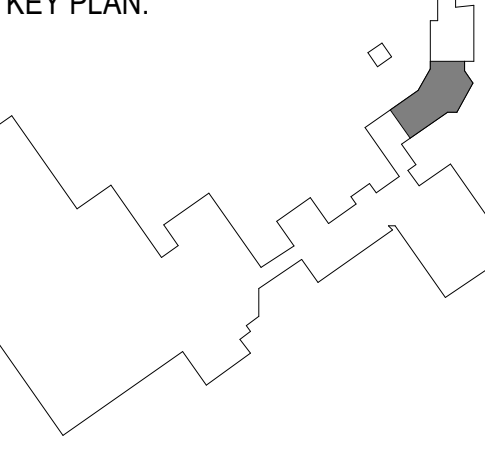


**4 LEVEL 02 DEMOLITION - ELECTRICAL - NURSING SKILLS LAB**  
 3/16" = 1'-0"

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SHEET TITLE:  
**DEMOLITION PLANS - ELECTRICAL**

SHEET NUMBER:  
**ED1.10**

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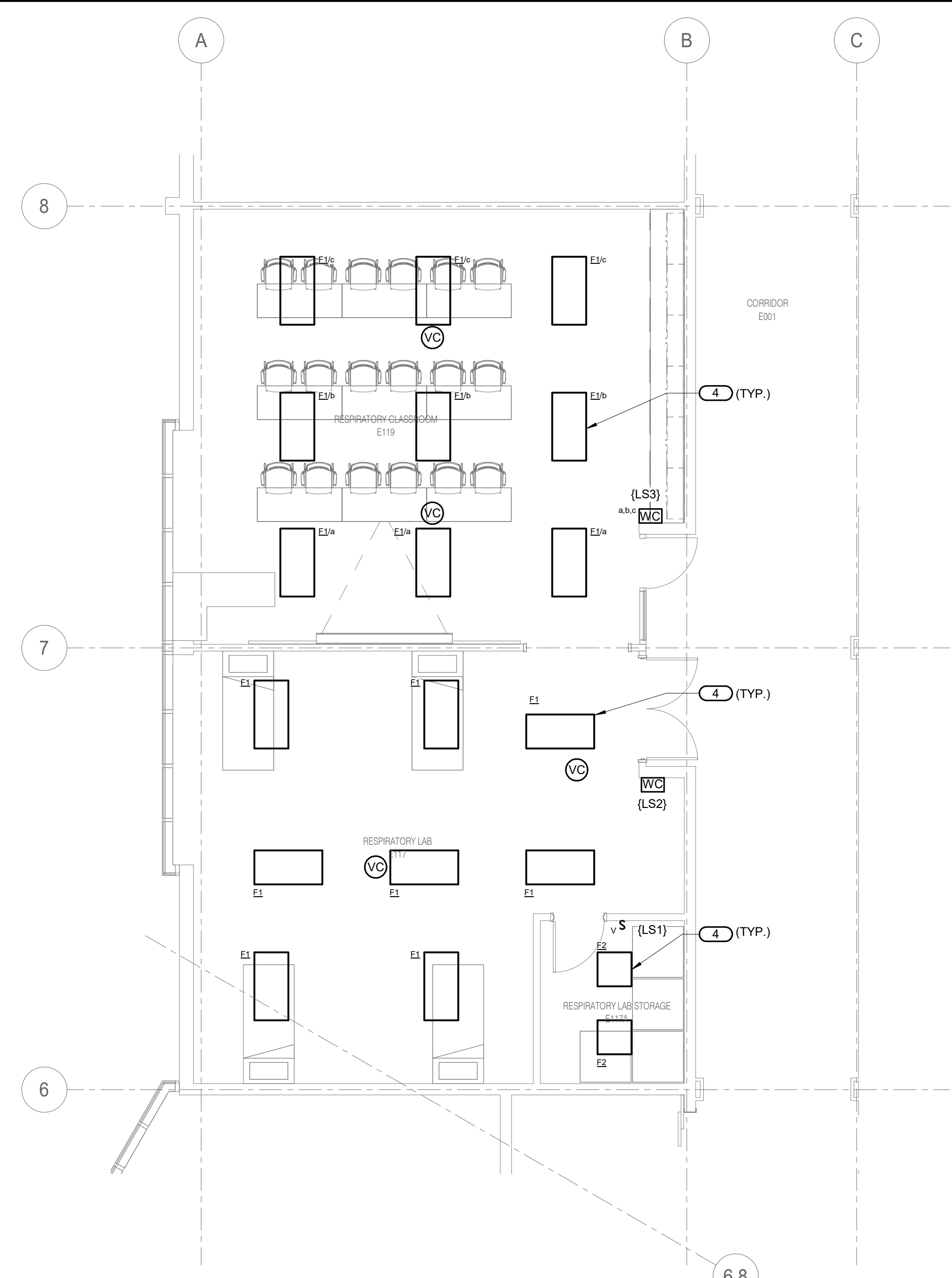
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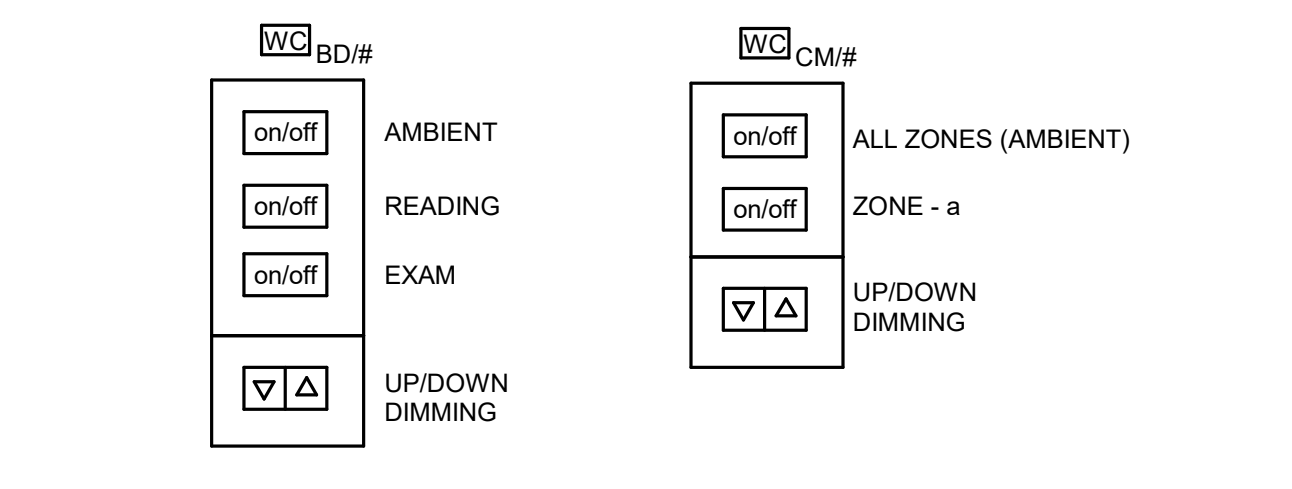
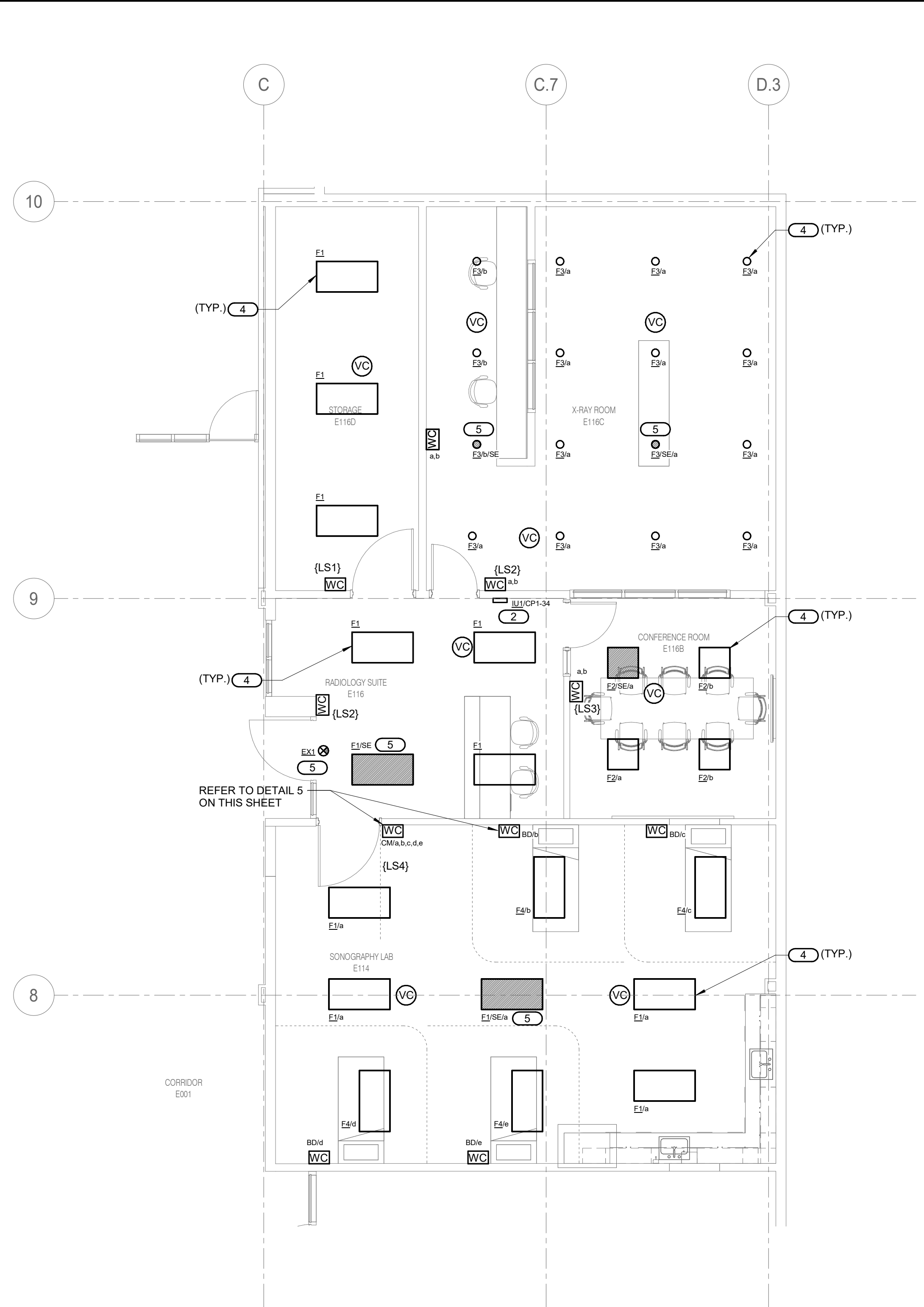
- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR ELECTRICAL GENERAL NOTES, INSTALLATION NOTES, SYMBOL LIST, AND OTHER MISCELLANEOUS INFORMATION.
  - REFER TO SHEET E3.00 FOR PANEL SCHEDULES.
  - REFER TO SHEET E4.00 FOR LUMINAIRE SCHEDULE, LIGHTING SEQUENCE OF OPERATION AND PANEL SCHEDULES.
  - COORDINATE LUMINAIRE LOCATIONS AND MOUNTING WITH ALL EQUIPMENT, DEVICES, CONDUIT AND DUCTS.
  - REFER TO ARCHITECTURAL REFLECT CEILING PLAN, MECHANICAL, FIRE ALARM AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.
  - DEVICES SHOWN ON EXISTING CMU WALLS SHALL BE INSTALLED IN SURFACE RACEWAY (WIREMOLD 700 OR APPROVED EQUAL, COLOR SELECTION BY ARCHITECT) DEVICES SHOWN ON GYP WALL SHALL BE RECESSED MOUNTED. CONTRACTOR TO CHANNEL THE WALL AS REQUIRED TO INSTALL BACK BOX AND CONDUIT. PATCH AND REPAIR TO MATCH EXISTING CONDITIONS.

- KEYNOTES:**
- REINSTALL EXISTING LIGHTING WALL CONTROLLER AS SHOWN. INSTALL IN SURFACE RACEWAY (WIREMOLD 700 OR APPROVED EQUAL, COLOR SELECTION BY ARCHITECT). RE-CONNECT TO EXISTING LOW VOLTAGE CONTROL WIRING. MATCH EXISTING CONDUIT AND WIRE.
  - EXAM IN-USE SIGN. CONNECT TO CONTACTS IN THE PHILIPS CABINET USING 2#12 IN 1/2" CONDUIT. E.C. TO FURNISH AND WIRE CONTACTS. REFER TO THE PHILIPS SITE SPECIFIC DRAWINGS FOR ADDITIONAL INFORMATION.
  - REINSTALL EXISTING LUMINAIRE IN NEW LOCATION AS SHOWN. RE-CONNECT TO EXISTING LIGHTING CIRCUIT AND CONTROLS. MATCH AND EXTEND THE EXISTING CONDUIT AND WIRE TO NEW LOCATION. USE MINIMUM 2#12 & 1#12 EGC IN 3/4" C. CLEAN FIXTURE PRIOR TO RELOCATION.
  - CONNECT NEW LUMINAIRE TO EXISTING 277V NORMAL LIGHTING CIRCUIT. MATCH AND EXTEND EXISTING CONDUIT AND WIRE. USE MINIMUM 2#12 & 1#12 EGC IN 3/4" C.
  - CONNECT NEW LUMINAIRE TO EXISTING 277V LIFE SAFETY LIGHTING CIRCUIT LOCATED IN THE CORRIDOR. MATCH AND EXTEND EXISTING CONDUIT AND WIRE. USE MINIMUM 2#12 AND 1#12 EGC IN 3/4" C.

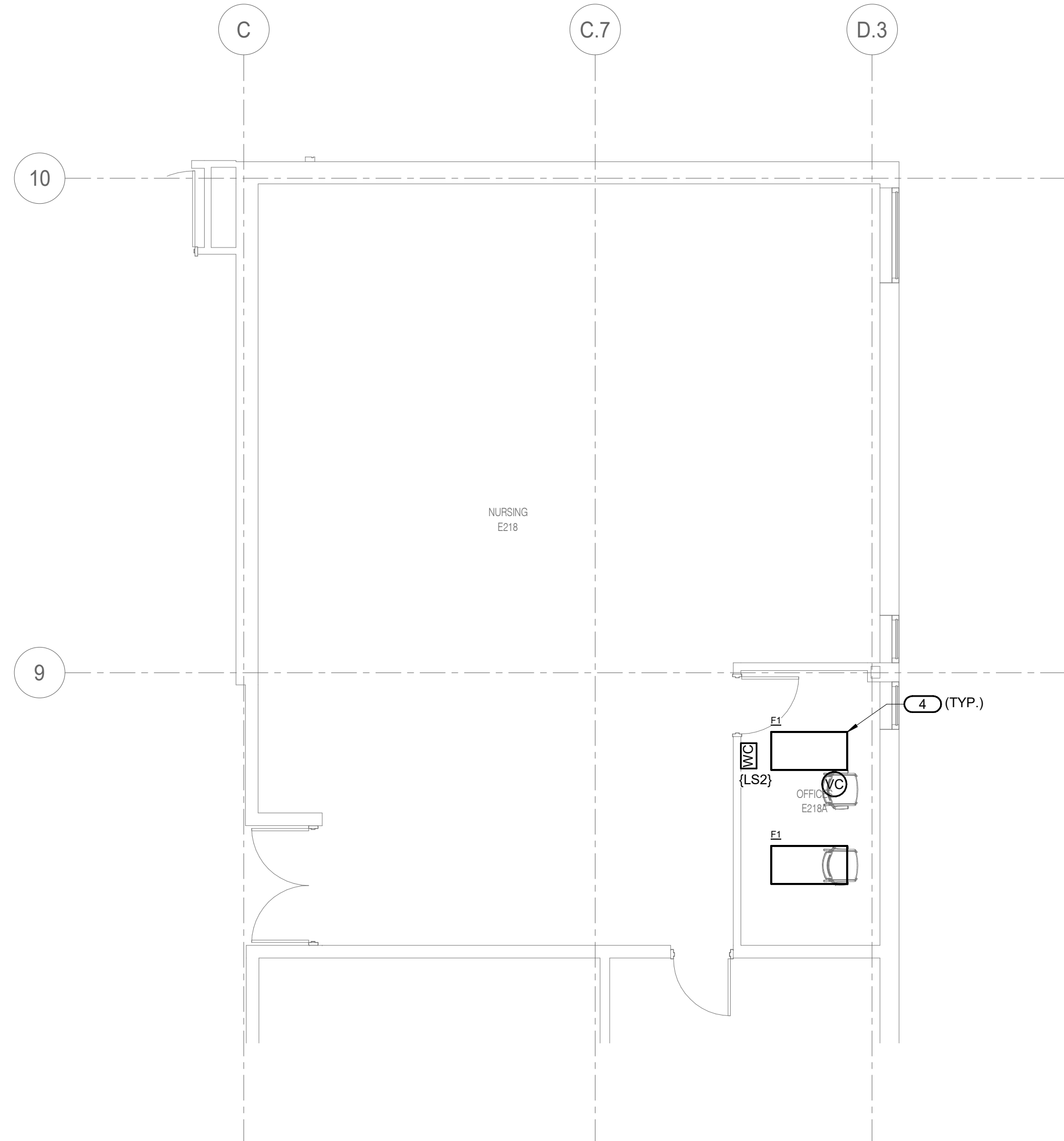
**1 LEVEL 01 - LIGHTING - RESPIRATORY CLASSROOM**  
 3/16" = 1'-0"



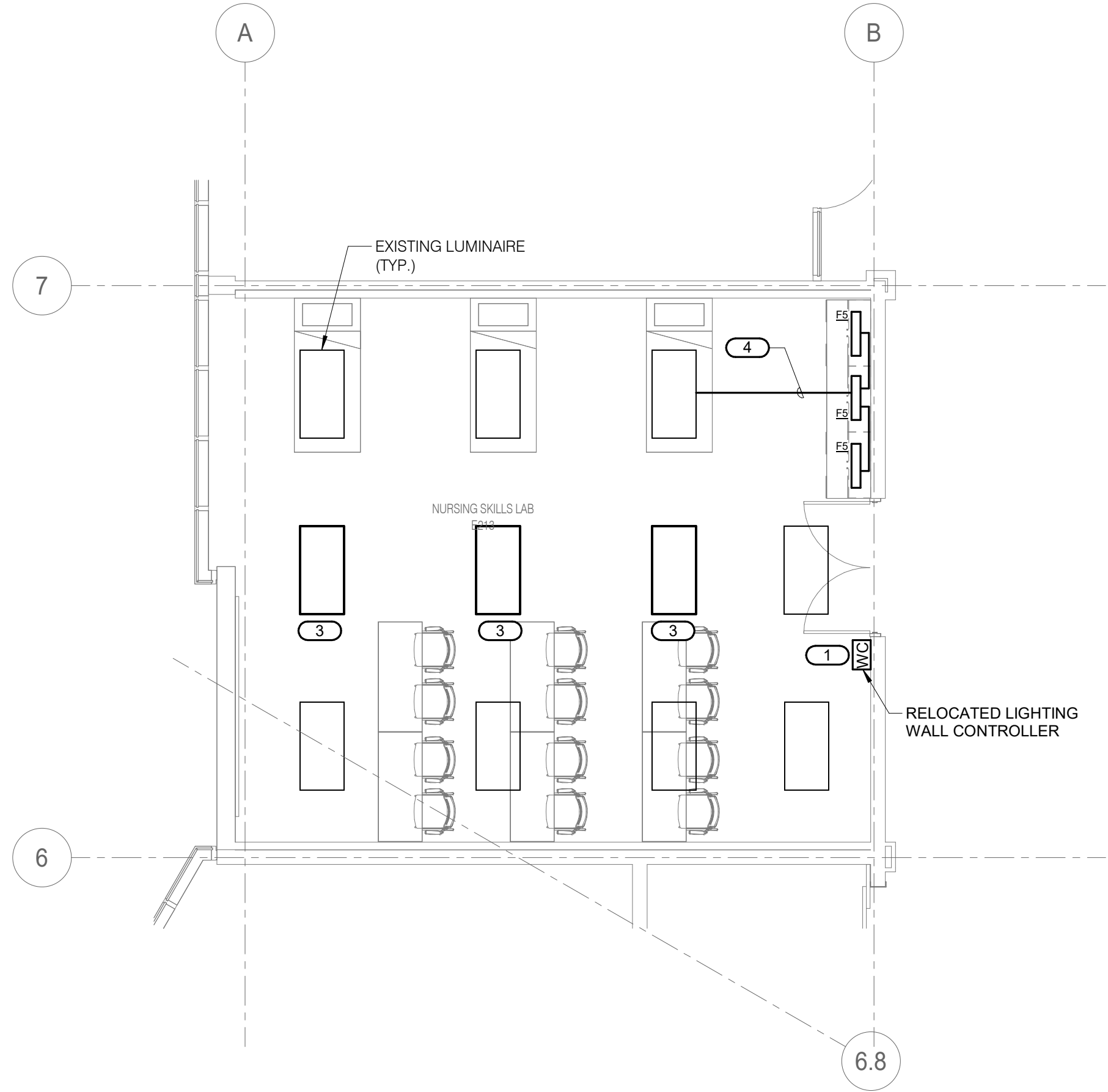
**2 LEVEL 01 - LIGHTING - RADIOLOGY**  
 3/16" = 1'-0"



**3 LEVEL 02 - LIGHTING - NURSING**  
 3/16" = 1'-0"



**4 LEVEL 02 - LIGHTING - NURSING SKILLS LAB**  
 3/16" = 1'-0"



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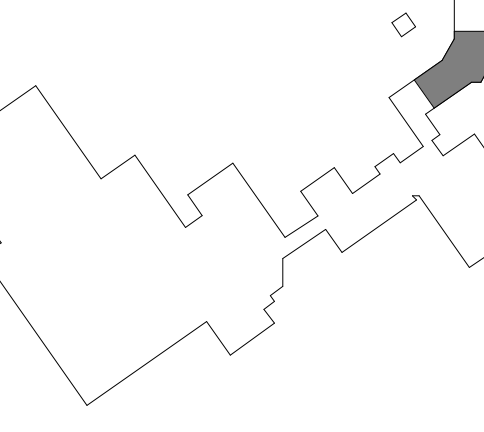
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**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



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SHEET TITLE:  
**FLOOR PLANS - LIGHTING**

SHEET NUMBER:  
**E1.10**



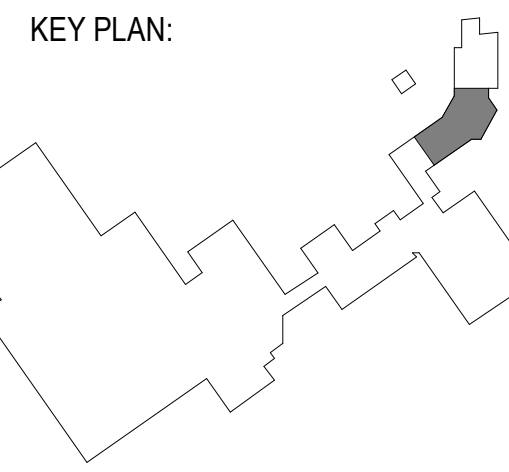
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SHEET TITLE:  
**FLOOR PLANS - POWER**

SHEET NUMBER:  
**E1.20**

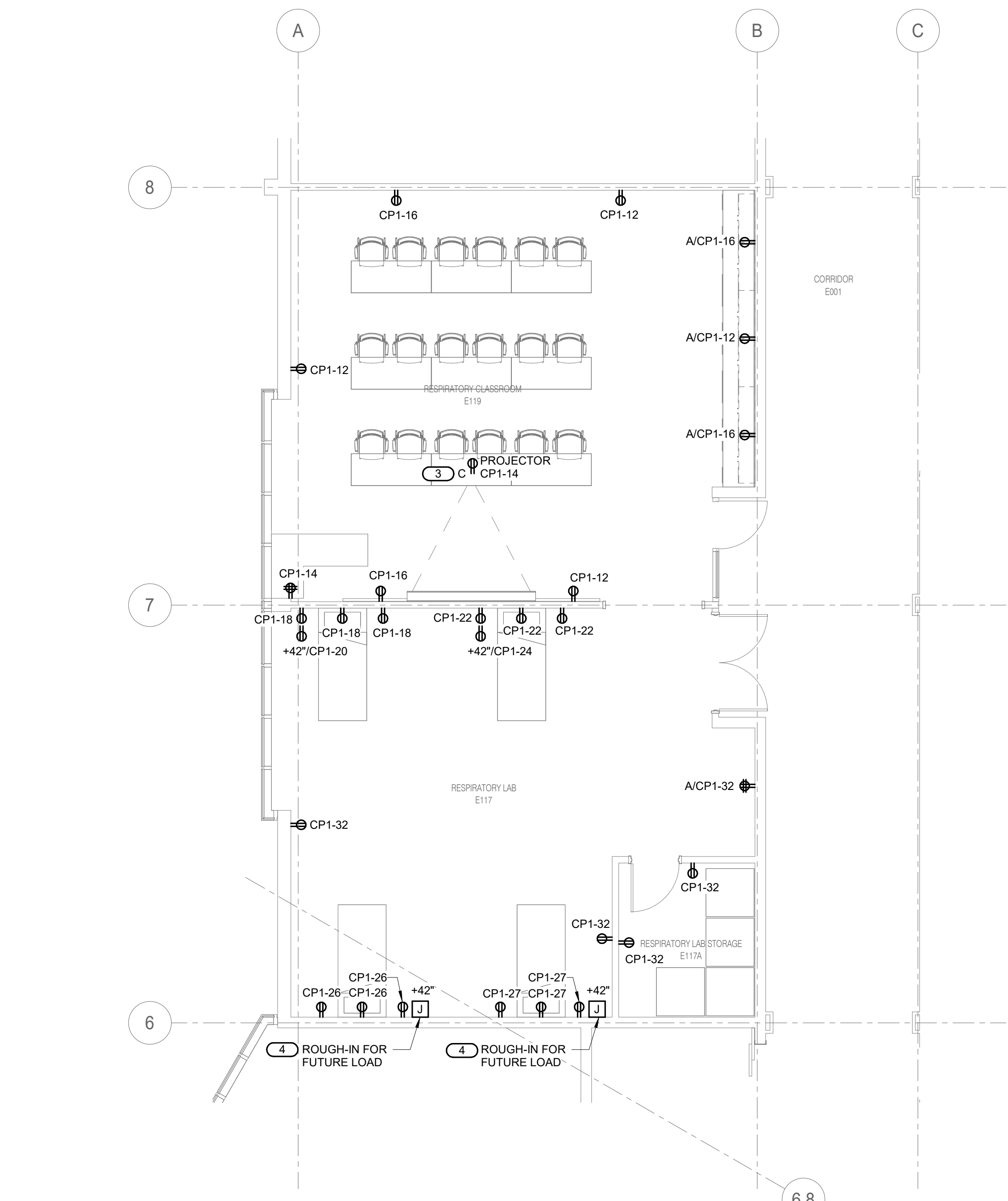
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- BRANCH CIRCUITING NOTES:**
- U.N.O., CONNECT ALL 120/208V BRANCH CIRCUITS WITH CIRCUIT PREFIX 'RP1' TO EXISTING PANEL RP-1. REFER TO SHEET E1.00 FOR LOCATION. REFER TO PANEL SCHEDULE FOR MORE INFORMATION.
  - U.N.O., CONNECT ALL 120/208V BRANCH CIRCUITS WITH CIRCUIT PREFIX 'CP1' TO EXISTING PANEL CP-1. REFER TO SHEET E1.00 FOR LOCATION. REFER TO PANEL SCHEDULE FOR MORE INFORMATION.
  - CIRCUIT NUMBERS ARE SHOWN FOR IDENTIFICATION PURPOSE ONLY. CONTRACTOR TO VERIFY ACTUAL SPARE CIRCUIT NUMBER ON SITE.

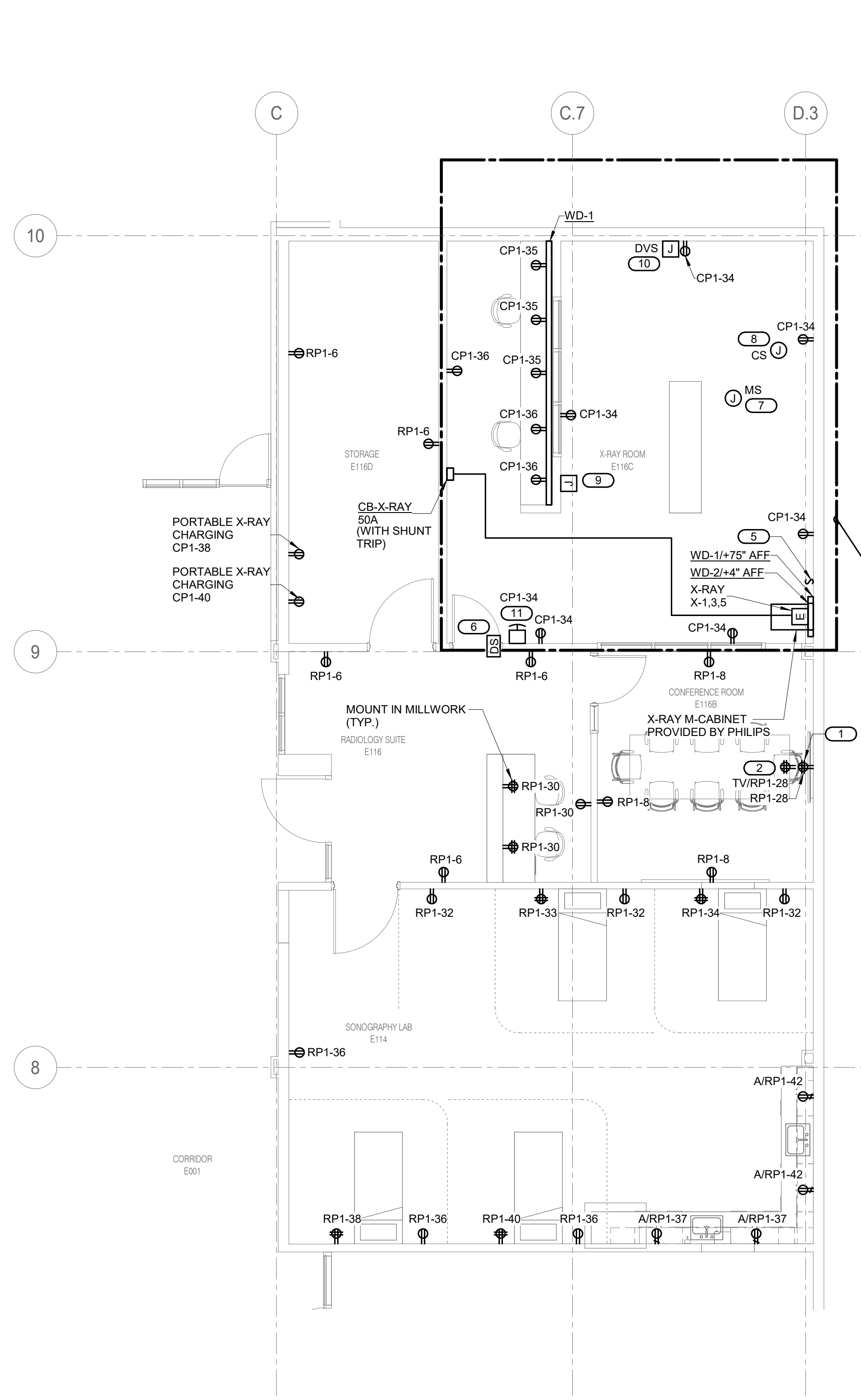
- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, SYMBOL LISTS, ELECTRICAL INSTALLATION NOTES AND OTHER MISCELLANEOUS INFORMATION.
  - REFER TO SHEET E3.00 FOR ONE LINE DIAGRAM AND PANEL SCHEDULES.
  - REFER TO SHEET E4.00 FOR ELECTRICAL SCHEDULES.
  - EC SHALL REVIEW ALL ARCHITECTURAL DRAWINGS INCLUDING INTERIOR ELEVATIONS TO ENSURE DEVICES/RECEPTACLES ARE INSTALLED AT THE PROPER LOCATIONS.
  - DEVICES SHOWN ON EXISTING CMU WALLS SHALL BE INSTALLED IN SURFACE RACEWAY (WIREMOLD 700 OR APPROVED EQUAL, COLOR SELECTION BY ARCHITECT) DEVICES SHOWN ON GYP WALL SHALL BE RECESSED MOUNTED. CONTRACTOR TO CHANNEL THE WALL AS REQUIRED TO INSTALL BACK BOX AND CONDUIT. PATCH AND REPAIR TO MATCH EXISTING CONDITIONS.

- KEYNOTES:**
- INSTALL RECEPTACLE BELOW TV AND ABOVE THE TABLE. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
  - COORDINATE RECEPTACLE LOCATION FOR TV WITH ARCHITECT PRIOR TO ROUGH-IN.
  - COORDINATE LOCATION WITH PROJECTOR INSTALLER AND ARCHITECT.
  - INSTALL DOUBLE GANG BOX WITH 3/4" CONDUIT ROUTED ABOVE THE CEILING.
  - SINGLE POLE SAFETY SWITCH FOR PHILIPS SERVICE. REFER TO SITE SPECIFIC DRAWINGS FOR WIRING DETAILS.
  - ROUTE 2#12 IN 1/2" CONDUIT FROM DOOR SWITCH TO THE PHILIPS CABINET. REFER TO MANUFACTURER SUPPLIED SITE SPECIFIC DRAWINGS FOR ADDITIONAL INFORMATION.
  - 8"Wx8"Lx4"D FLOOR BOX (MS), FLUSH MOUNTED WITH REMOVABLE GASKETED SCREW-TYPE COVER PLATE. SAW CUT EXISTING FLOOR AS REQUIRED FOR FLOOR BOX AND CONDUIT INSTALLATION. ROUTE CONDUITS AS SHOWN ON THE SITE SPECIFIC DRAWINGS. PATCH AND REPAIR FLOOR TO MATCH EXISTING CONDITIONS.
  - 8"Wx8"Lx6"D CEILING BOX (CS), FLUSH MOUNTED WITH REMOVABLE SCREW-TYPE COVER PLATE.
  - 6"Wx6"Lx4"D FLUSH MOUNTED WALL BOX (WAP) 10" BELOW CEILING WITH REMOVABLE SCREW-TYPE COVER PLATE.
  - 6"Wx6"Lx4"D FLUSH MOUNTED WALL BOX (DVS) +36" AFF WITH REMOVABLE SCREW-TYPE COVER PLATE.
  - CONNECT THE EPO SWITCH TO THE SHUNT TRIP IN CB-X-RAY USING 2#12 IN 3/4" C. PROVIDE LABEL, "EMERGENCY POWER OFF."
  - CONNECT NEW RECEPTACLE TO EXISTING RECEPTACLE CIRCUIT. MATCH AND EXTEND EXISTING CONDUIT AND WIRING. USE MINIMUM 2#12 & #12 GND IN 3/4" C.
  - ROUTE CONDUIT AND WIRE (2#12 & #12 GND IN 3/4" C.) TO EXISTING PANEL RP-4. PROVIDE NEW 120V, 20A/1P CIRCUIT BREAKER AND MAKE FINAL CONNECTION. MATCH EXISTING CIRCUIT BREAKER TYPE AND RATING.

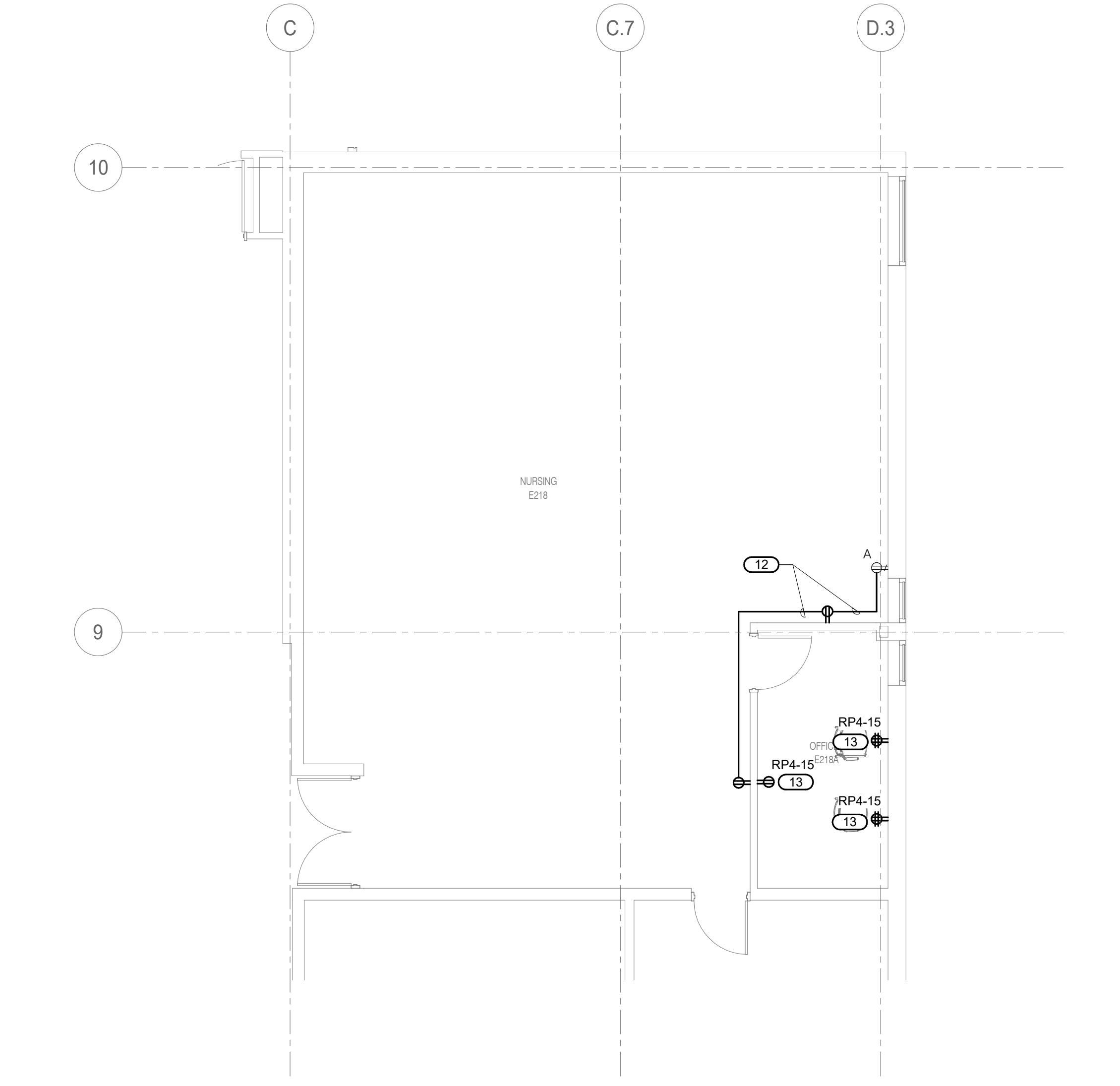
REFER TO THE PHILIPS PROVIDED SITE SPECIFIC DRAWINGS FOR FINAL ELECTRICAL EQUIPMENT LOCATIONS AND FOR ADDITIONAL SCOPE OF WORK REQUIRED INCLUDING, BUT NOT LIMITED TO, CIRCUIT BREAKERS, CABLE TRAY, CONDUIT, CONDUCTORS, CABLES, JUNCTION/PULL BOXES, WALL DUCT, TRENCH DUCT, EMERGENCY POWER OFF BUTTONS, WARNING LIGHTS, WIRING TROUGHS, WIRING DEVICES, CONNECTIONS, LIGHTING EQUIPMENT, GROUNDING, AND OTHER MISCELLANEOUS ELECTRICAL DEVICES AND EQUIPMENT.



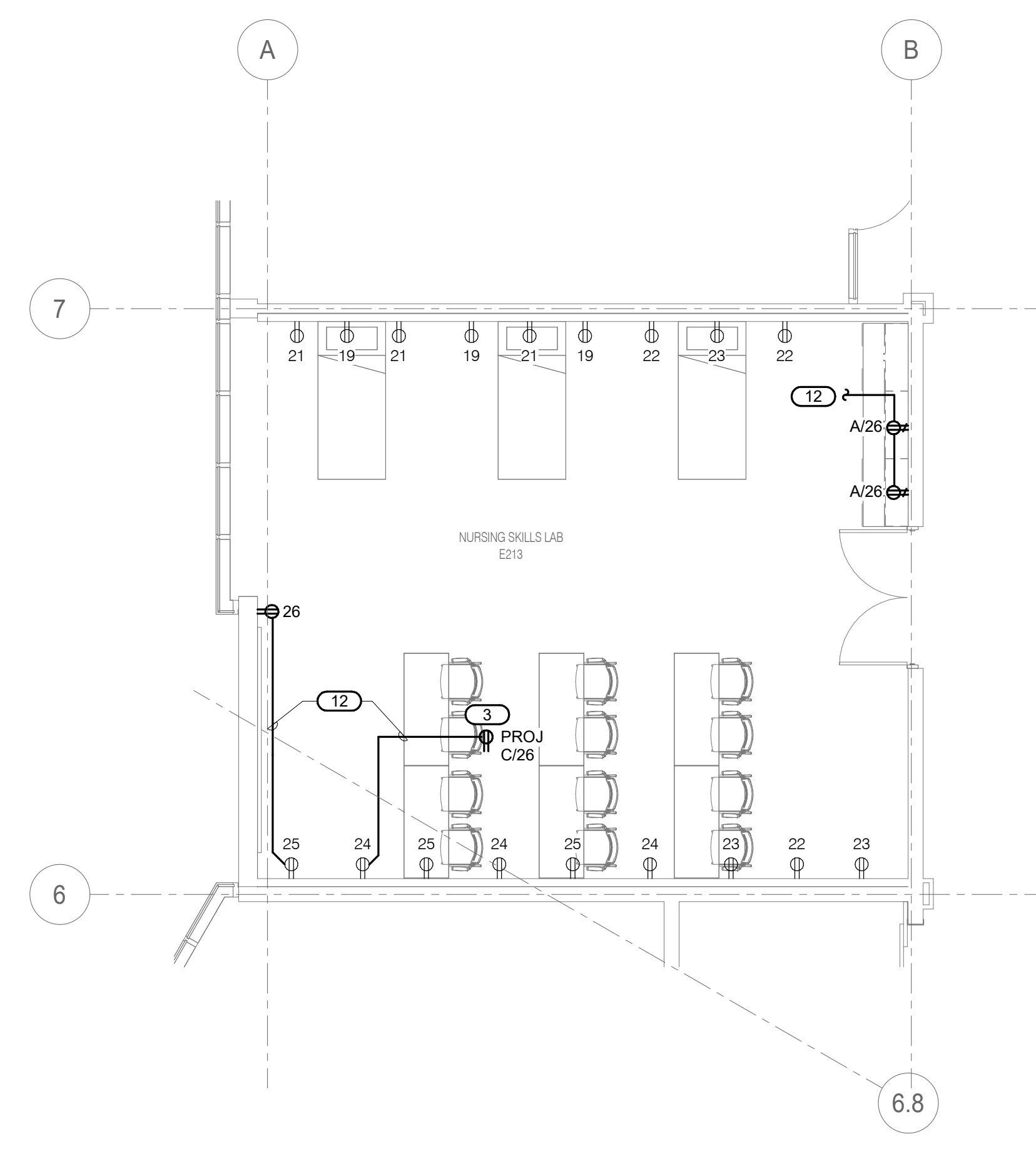
**1 LEVEL 01 - POWER - RESPIRATORY CLASSROOM**  
 3/16" = 1'-0"



**2 LEVEL 01 - POWER - RADIOLOGY**  
 3/16" = 1'-0"



**3 LEVEL 02 - POWER - NURSING**  
 3/16" = 1'-0"



**4 LEVEL 02 - POWER - NURSING SKILLS LAB**  
 3/16" = 1'-0"

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 SUITE 550  
 NAPERVILLE, IL 60563  
 P: 630.527.2320  
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 REV. SCALE IN INCHES PROJECT #24007530.02

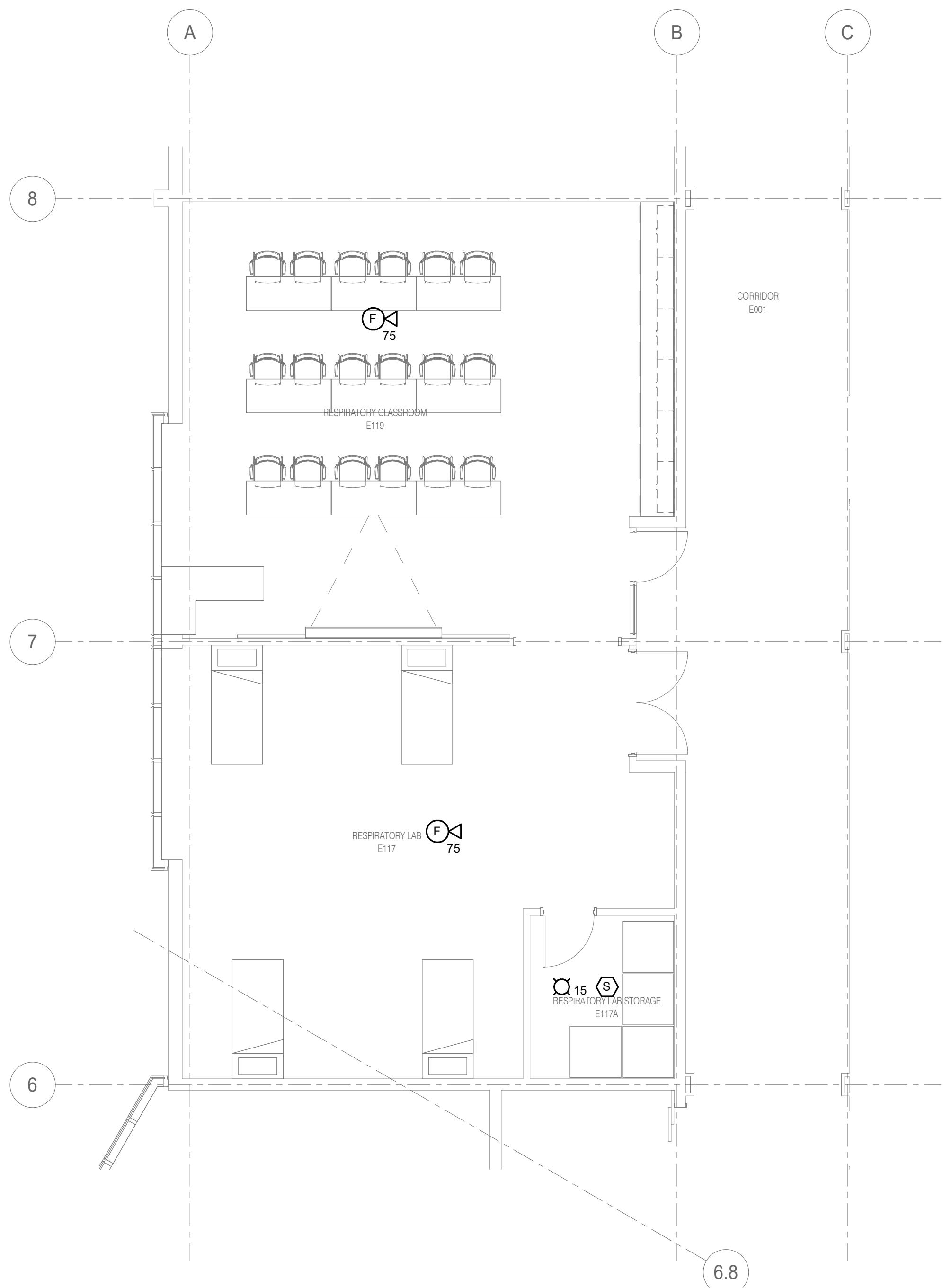




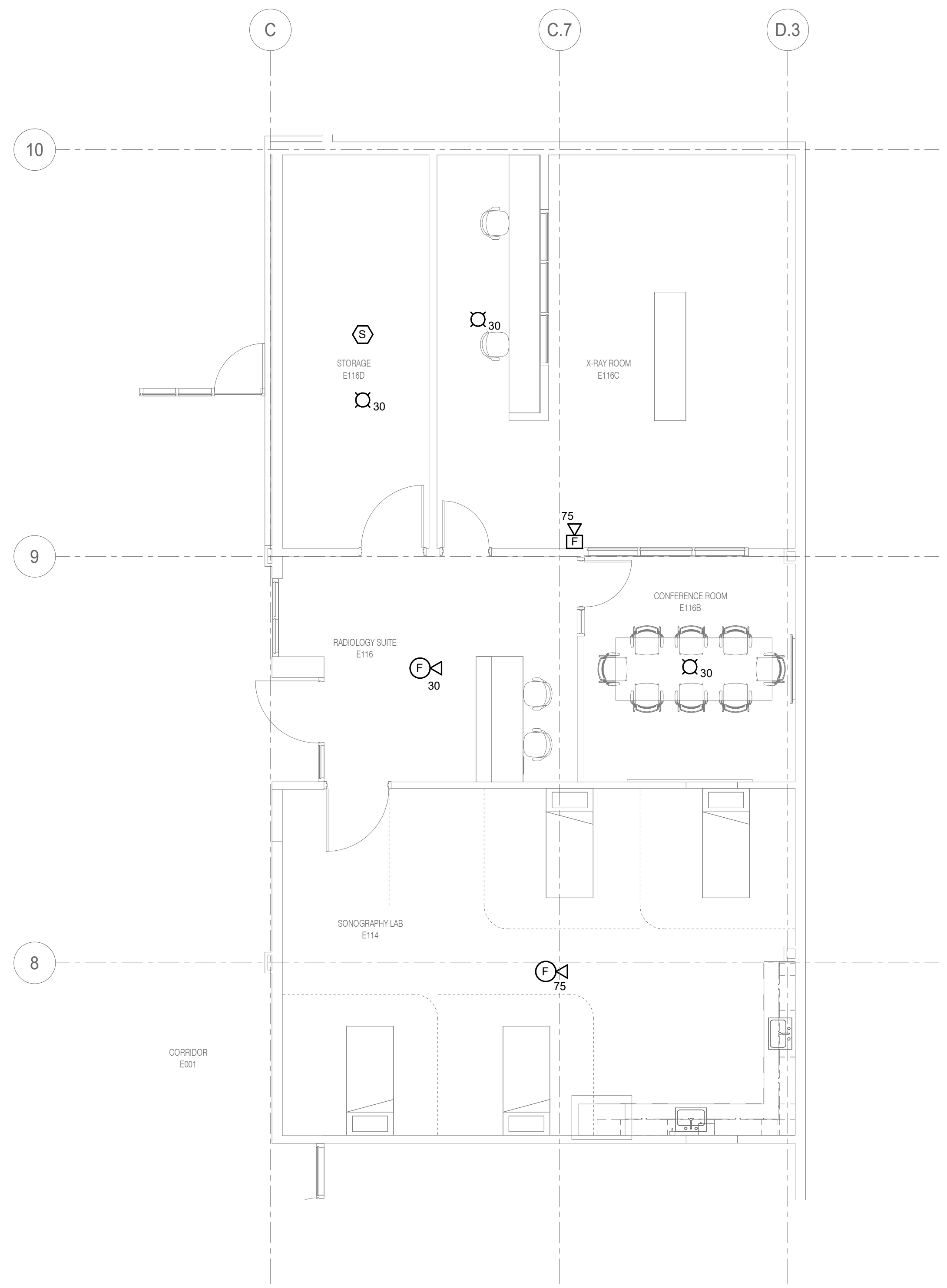
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
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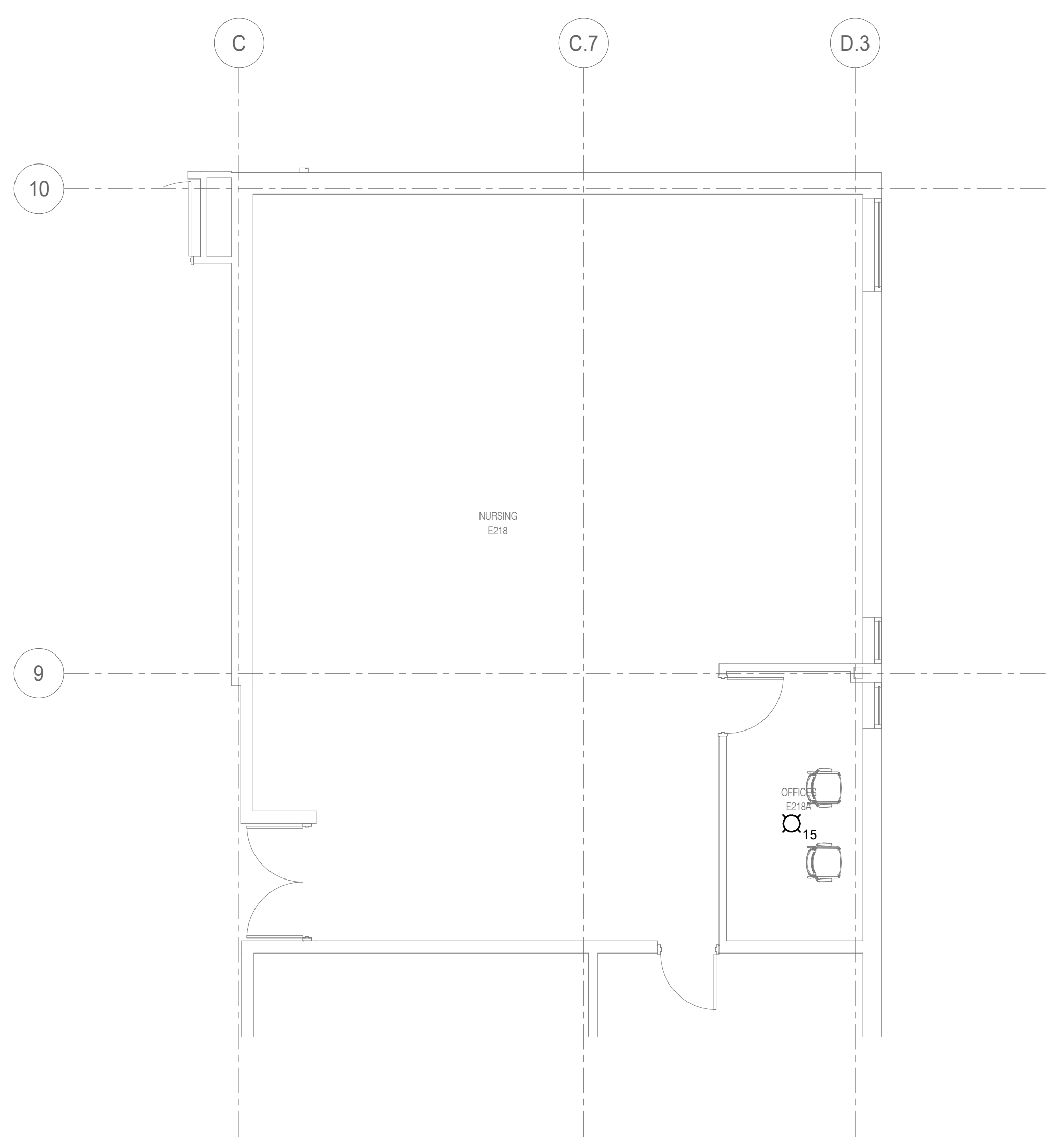
- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR ELECTRICAL GENERAL NOTES, ELECTRICAL INSTALLATION NOTES, ELECTRICAL SYMBOL LIST, AND OTHER MISCELLANEOUS ELECTRICAL INFORMATION.
  - REFER TO E2.0 FOR FIRE ALARM RISER DIAGRAM.
  - REFER TO SHEET E0.01 FOR EXISTING FIRE ALARM CONTROL PANEL LOCATION.
  - COORDINATE EXACT LOCATION OF WALL AND CEILING MOUNTED DEVICES WITH ARCHITECTURAL DRAWINGS.



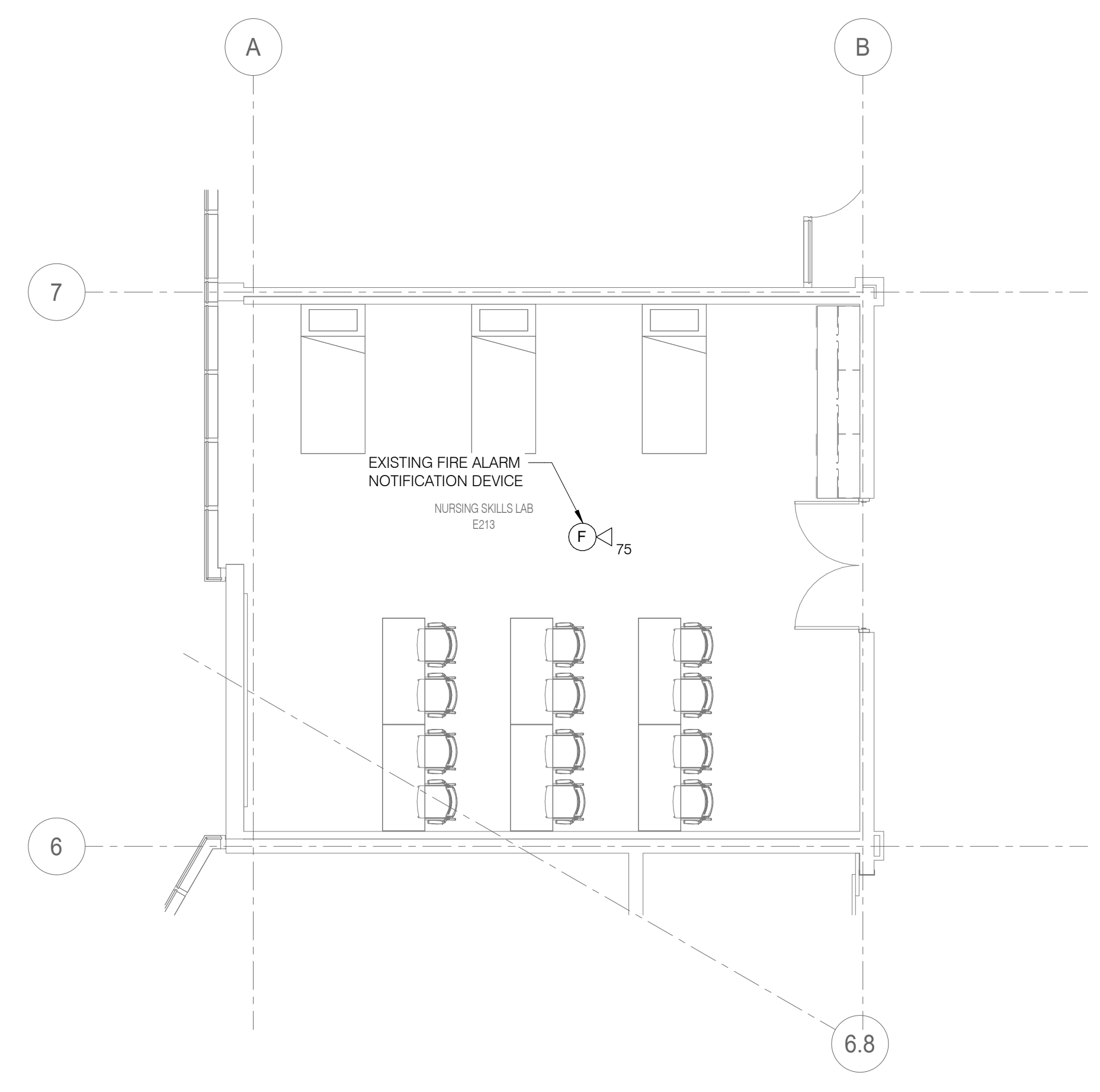
**1 LEVEL 01 - SYSTEMS - RESPIRATORY CLASSROOM**  
 3/16" = 1'-0"  
 NORTH



**2 LEVEL 01 - SYSTEMS - RADIOLOGY**  
 3/16" = 1'-0"  
 NORTH



**3 LEVEL 02 - SYSTEMS - NURSING**  
 3/16" = 1'-0"  
 NORTH

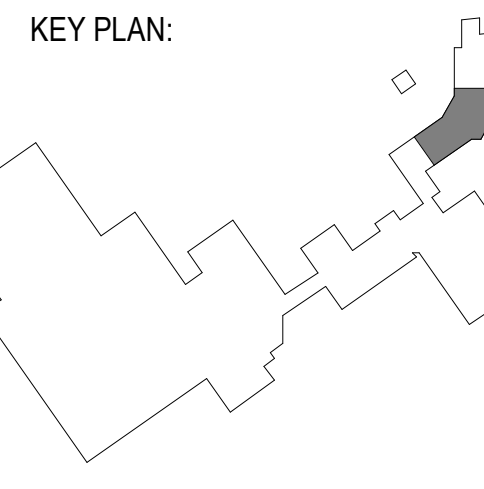


**4 LEVEL 02 - SYSTEMS - NURSING SKILLS LAB**  
 3/16" = 1'-0"  
 NORTH

**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025



SHEET STATUS: 02/18/2025  
**ISSUED FOR BID - NOT FOR CONSTRUCTION**

| NO. | DESCRIPTION: | DATE: |
|-----|--------------|-------|
|     |              |       |
|     |              |       |
|     |              |       |
|     |              |       |

SHEET TITLE:  
**FLOOR PLANS - SYSTEMS**

SHEET NUMBER:  
**E1.30**

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 PROJECT #24007530.02



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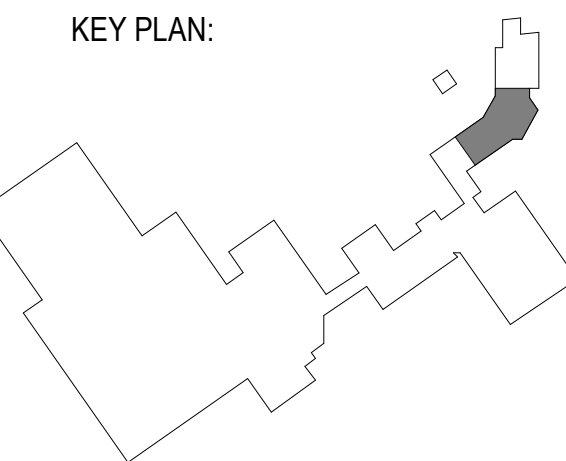
**McHenry County College  
 HEALTH SCIENCE 2024 RENOVATIONS**

8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025

KEY PLAN:



SHEET STATUS: 02/18/2025  
**ISSUED FOR BID - NOT  
 FOR CONSTRUCTION**

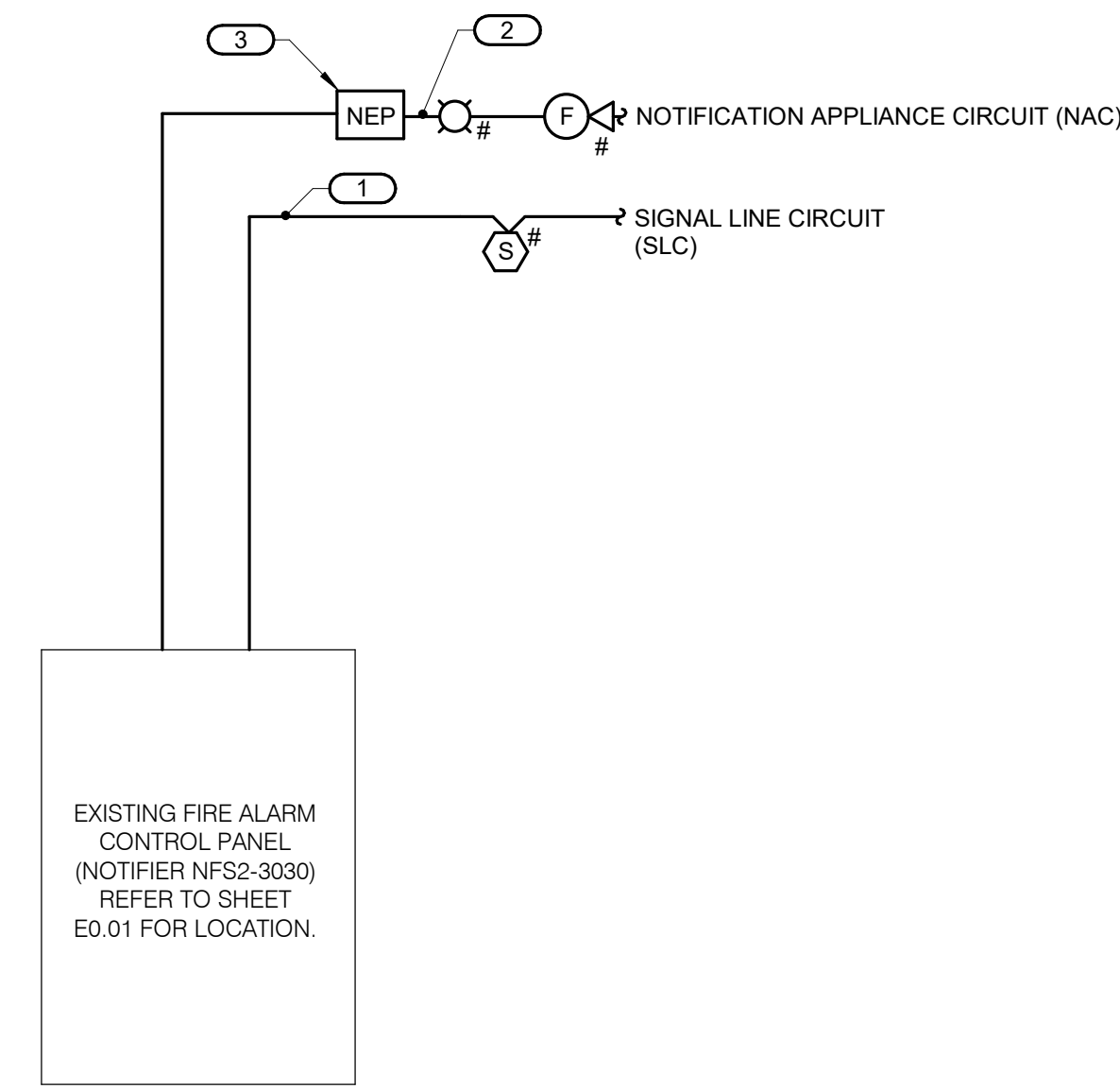
| NO. | DESCRIPTION: | DATE: |
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|     |              |       |
|     |              |       |
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|     |              |       |
|     |              |       |

SHEET TITLE:  
**ELECTRICAL DETAILS**

SHEET NUMBER:

**E2.00**

2/18/2025 11:16:01 AM



E.C. SHALL HIRE FOX VALLEY FIRE FOR ALL FIRE ALARM WORK

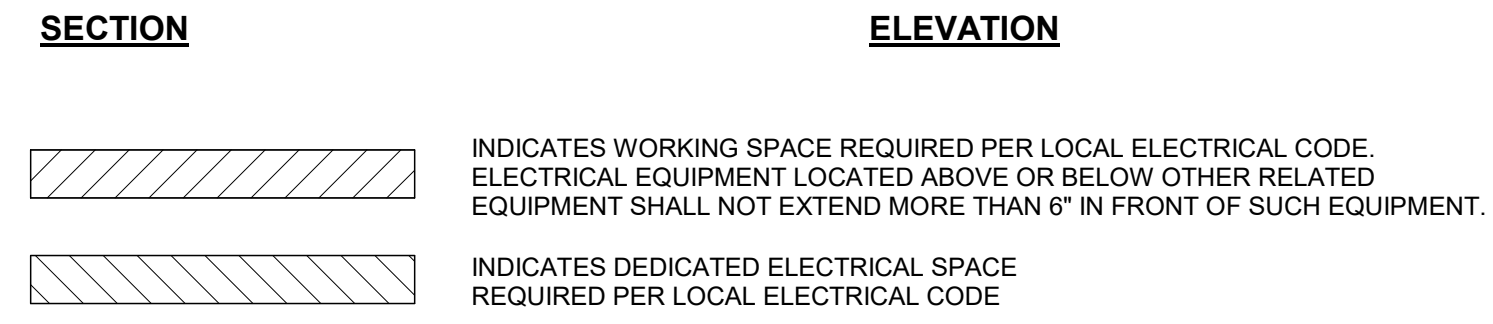
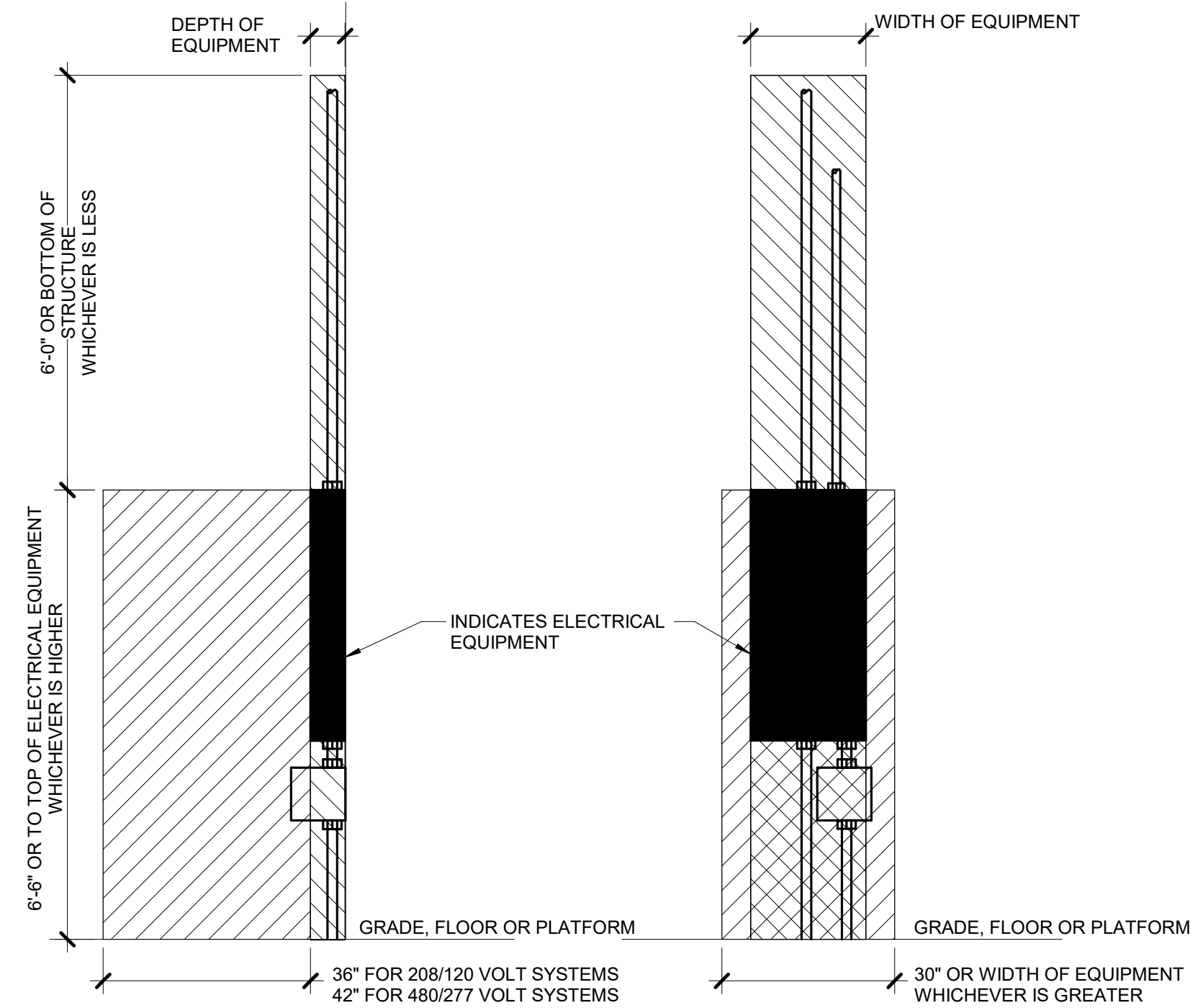
**1 FIRE ALARM RISER**  
 NO SCALE

**NOTES:**

- THE RISER DIAGRAM IS INTENDED TO CONVEY THE TYPES OF FIRE ALARM CONNECTIONS AND SPECIFICALLY DOES NOT INDICATE QUANTITIES, NUMBER OF CIRCUITS REQUIRED OR DISTANCES.
- THE COMPLETE FIRE ALARM SYSTEM SHALL MEET ALL APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL COORDINATE ALL WIRE SIZES, TYPES AND REQUIREMENTS WITH THE VENDOR PRIOR TO BID. REFER TO SPECIFICATIONS TO DETERMINE CIRCUIT STYLES AND IF CONDUIT IS REQUIRED OR PLENUM RATED CABLE IS ACCEPTABLE.
- ALL +120VAC WIRING REQUIRED FOR OPERATION OF THE SYSTEM AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- ALL NECESSARY RELAYS MAY NOT BE SHOWN ON THIS PLAN, BUT WHERE REQUIRED FOR PROPER OPERATION OF THE SYSTEM THEY SHALL BE PROVIDED BY THE CONTRACTOR.

**KEYNOTES:** #

- REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH INITIATION LOOP AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
- REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH NOTIFICATION APPLIANCE CIRCUIT AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
- PROVIDE NOTIFICATION APPLIANCE EXTENDER PANELS AS REQUIRED. DETERMINATION OF NEED TO BE MADE BY FIRE ALARM VENDOR. REFER TO SPECIFICATIONS FOR REQUIREMENTS AND ACCEPTABLE MOUNTING LOCATIONS.



**2 PANELBOARD EQUIPMENT CLEARANCES**  
 NO SCALE

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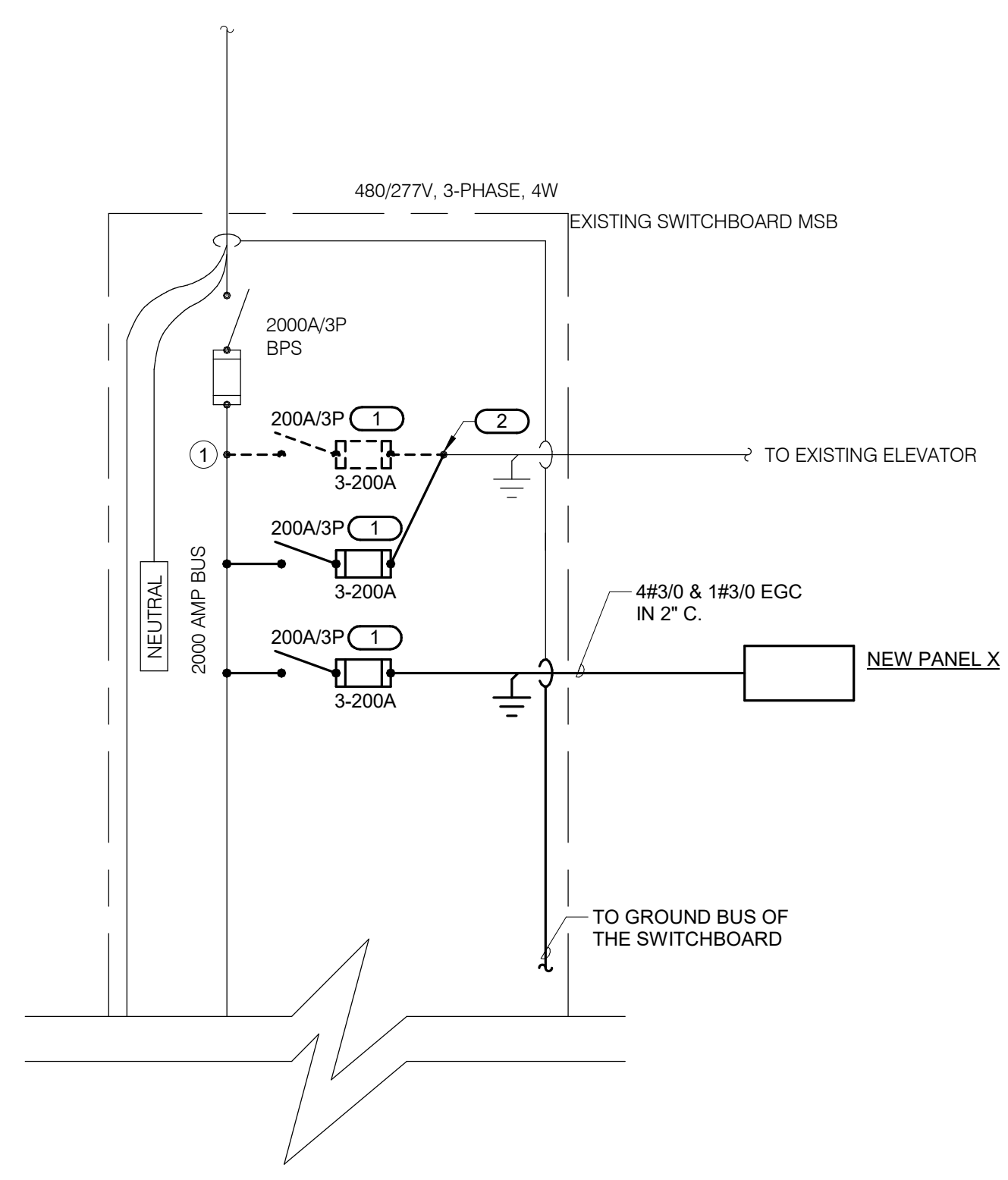
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**ONE LINE DIAGRAM NOTES**

1. AIC RATINGS LISTED FOR EQUIPMENT ARE MINIMUM REQUIREMENTS FOR BUS BRACING AND DEVICE RATING. ALL EQUIPMENT SHALL BE FULLY RATED UNLESS SPECIFICALLY NOTED AS SERIES RATED.
2. CONDUCTOR AND CONDUIT SIZES ON THE LINE AND LOAD SIDES OF STARTERS, VFD'S AND DISCONNECT SWITCHES SHALL BE IDENTICAL UNLESS NOTED OTHERWISE.
3. INDICATES DIRECT CONNECTION OF GROUND CONDUCTOR TO GROUND BUS.
4. INDICATES O.Z. GEDNEY OR EQUAL GROUND BUSHING BONDED TO GROUND BUS WITH CONDUCTOR SIZED TO MAXIMUM FEEDER GROUND CAPACITY.
5. INDICATES FUSED DISCONNECT SWITCH, SIZE AS SPECIFIED.

**1 ONE LINE DIAGRAM**  
 NO SCALE

**NEW PANEL X**

MOUNTING: SURFACE  
 ENCLOSURE: NEMA 1  
 FED FROM: EXISTING SWITCHBOARD MSB  
 LOCATION: ELECTRICAL ROOM E109

MAIN: 200 A MLO  
 VOLTS: 480/277 Wye  
 PHASE: 3  
 WIRE: 4  
 SCCR: 42 KA

**NOTES:**

| K E Y | CKT NO. | LOAD DESCRIPTION | OC PD AMPS | P | W I R E S I Z E H N G | A                  | B         | C         | W I R E S I Z E G N H | OC PD AMPS | LOAD DESCRIPTION | CKT NO. | K E Y |         |
|-------|---------|------------------|------------|---|-----------------------|--------------------|-----------|-----------|-----------------------|------------|------------------|---------|-------|---------|
|       | 1       |                  |            |   |                       | 26.67              | 0.05      |           |                       |            |                  | 2       |       |         |
|       | 3       | X-RAY            | 50         | 3 | 3/0                   | 3/0                |           |           |                       | 10         | 4                | 3       | 60    | SPD-480 |
|       | 5       |                  |            |   |                       |                    |           |           |                       |            |                  | 4       |       |         |
|       | 7       |                  |            |   |                       | 0                  |           |           |                       |            |                  | 8       |       |         |
|       | 9       | SPARE            | 50         | 3 |                       |                    |           |           |                       |            |                  | 10      |       |         |
|       | 11      |                  |            |   |                       |                    |           | 0         |                       |            |                  | 12      |       |         |
|       | 13      | SPACE            |            |   |                       |                    |           |           |                       |            |                  | 14      |       |         |
|       | 15      | SPACE            |            |   |                       |                    |           |           |                       |            |                  | 16      |       |         |
|       | 17      | SPACE            |            |   |                       |                    |           |           |                       |            |                  | 18      |       |         |
|       | 19      | SPACE            |            |   |                       |                    |           |           |                       |            |                  | 20      |       |         |
|       | 21      | SPACE            |            |   |                       |                    |           |           |                       |            |                  | 22      |       |         |
|       | 23      | SPACE            |            |   |                       |                    |           |           |                       |            |                  | 24      |       |         |
|       | 25      | SPACE            |            |   |                       |                    |           |           |                       |            |                  | 26      |       |         |
|       | 27      | SPACE            |            |   |                       |                    |           |           |                       |            |                  | 28      |       |         |
|       | 29      | SPACE            |            |   |                       |                    |           |           |                       |            |                  | 30      |       |         |
|       |         |                  |            |   |                       | <b>Total Load:</b> | 26.72 kVA | 26.67 kVA | 26.67 kVA             |            |                  |         |       |         |
|       |         |                  |            |   |                       | <b>Total Amps:</b> | 96.45     | 96.27     | 96.27                 |            |                  |         |       |         |

**LOAD SUMMARY**

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | TOTALS*                                       |
|---------------------|----------------|---------------|------------------|---|
| Power               | 0.05 kVA       | 100.00%       | 0.05 kVA         |   |
| NEC 517.73 Imaging  | 80 kVA         | 50.00%        | 40 kVA           |   |
|                     |                |               |                  | <b>TOTAL CONNECTED LOAD:</b> 80.05 kVA        |
|                     |                |               |                  | <b>TOTAL ESTIMATED DEMAND LOAD:</b> 40.05 kVA |
|                     |                |               |                  | <b>TOTAL CONNECTED AMPS:</b> 96.29 A          |
|                     |                |               |                  | <b>TOTAL ESTIMATED DEMAND AMPS:</b> 48.2      |

\*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

**CIRCUIT KEY NOTES:**

**EXISTING PANEL CP-1**

MOUNTING: SURFACE  
 ENCLOSURE: NEMA 1  
 FED FROM: EXISTING  
 LOCATION: ELECTRICAL ROOM E109

MAIN: 250 MLO  
 VOLTS: 120/208 Wye  
 PHASE: 3  
 WIRE: 4  
 SCCR: EXISTING

**NOTES:**

| K E Y | CKT NO. | LOAD DESCRIPTION | OC PD AMPS | P | W I R E S I Z E H N G | A                  | B        | C        | W I R E S I Z E G N H | OC PD AMPS | LOAD DESCRIPTION | CKT NO. | K E Y |                              |
|-------|---------|------------------|------------|---|-----------------------|--------------------|----------|----------|-----------------------|------------|------------------|---------|-------|------------------------------|
|       | CP1-1   | EXISTING LOAD    | 20         | 1 |                       | 0                  | 0        |          |                       |            |                  | CP1-2   |       |                              |
|       | CP1-3   | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0        |                       |            |                  | CP1-4   |       |                              |
|       | CP1-5   | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        |                       |            |                  | CP1-6   |       |                              |
|       | CP1-7   | EXISTING LOAD    | 20         | 1 |                       | 0                  | 0        |          |                       |            |                  | CP1-8   |       |                              |
|       | CP1-9   | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0        |                       |            |                  | CP1-10  |       |                              |
|       | CP1-11  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0.72                  | 10         | 10               | 1       | 20    | Receptacles                  |
|       | CP1-13  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0.54     |                       | 10         | 10               | 1       | 20    | Receptacles                  |
|       | CP1-15  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0.72                  | 10         | 10               | 1       | 20    | Receptacles                  |
|       | CP1-17  | EXISTING LOAD    | 20         | 1 |                       |                    |          |          | 0.54                  | 12         | 12               | 1       | 20    | Receptacles                  |
|       | CP1-19  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0.18     |                       | 12         | 12               | 1       | 20    | Receptacles                  |
|       | CP1-21  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0.54     |                       | 12         | 12               | 1       | 20    | Receptacles                  |
|       | CP1-23  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0.18                  | 10         | 10               | 1       | 20    | Receptacles                  |
|       | CP1-25  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0.54     |                       | 12         | 12               | 1       | 20    | Receptacles                  |
|       | CP1-27  | Receptacles      | 20         | 1 | 12                    | 12                 | 12       |          |                       |            |                  |         |       |                              |
|       | CP1-29  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0                     |            |                  |         |       |                              |
|       | CP1-31  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 1.08     |                       | 12         | 12               | 1       | 20    | Receptacles                  |
|       | CP1-33  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 1.08     |                       | 10         | 10               | 1       | 20    | Receptacles                  |
|       | CP1-35  | Receptacles      | 20         | 1 | 10                    | 10                 | 10       |          |                       | 10         | 10               | 1       | 20    | Receptacles                  |
|       | CP1-37  | Receptacles      | 20         | 1 |                       |                    | 0        | 0.8      |                       | 10         | 10               | 1       | 20    | Receptacles                  |
|       | CP1-39  | EXISTING LOAD    | 30         | 3 |                       |                    | 0        | 0.8      |                       | 10         | 10               | 1       | 20    | Receptacles (X-RAY CHARGING) |
|       | CP1-41  | EXISTING LOAD    |            |   |                       |                    |          | 0        | 0                     |            |                  |         |       |                              |
|       |         |                  |            |   |                       | <b>Total Load:</b> | 3.14 kVA | 3.68 kVA | 2.52 kVA              |            |                  |         |       |                              |
|       |         |                  |            |   |                       | <b>Total Amps:</b> | 26.96    | 31.48    | 21.00                 |            |                  |         |       |                              |

**LOAD SUMMARY**

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | TOTALS*                                       |
|---------------------|----------------|---------------|------------------|---|
| Lighting            | 0.002 kVA      | 100.00%       | 0.002 kVA        |   |
| Power               | 0 kVA          | 0.00%         | 0 kVA            |   |
| Receptacles         | 9.34 kVA       | 100.00%       | 9.34 kVA         |   |
|                     |                |               |                  | <b>TOTAL CONNECTED LOAD:</b> 9.34 kVA         |
|                     |                |               |                  | <b>TOTAL ESTIMATED DEMAND LOAD:</b> 9.342 kVA |
|                     |                |               |                  | <b>TOTAL CONNECTED AMPS:</b> 25.93 A          |
|                     |                |               |                  | <b>TOTAL ESTIMATED DEMAND AMPS:</b> 25.9      |

\*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

**CIRCUIT KEY NOTES:**

**EXISTING PANEL RP-1**

MOUNTING: SURFACE  
 ENCLOSURE: NEMA 1  
 FED FROM: EXISTING  
 LOCATION: ELECTRICAL ROOM E109

MAIN: 250 MLO  
 VOLTS: 120/208 Wye  
 PHASE: 3  
 WIRE: 4  
 SCCR: EXISTING

**NOTES:**

| K E Y | CKT NO. | LOAD DESCRIPTION | OC PD AMPS | P | W I R E S I Z E H N G | A                  | B        | C        | W I R E S I Z E G N H | OC PD AMPS | LOAD DESCRIPTION | CKT NO. | K E Y |             |
|-------|---------|------------------|------------|---|-----------------------|--------------------|----------|----------|-----------------------|------------|------------------|---------|-------|-------------|
|       | RP1-1   | EXISTING LOAD    | 20         | 1 |                       | 0                  | 0        |          |                       |            |                  | RP1-2   |       |             |
|       | RP1-3   | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0        |                       |            |                  | RP1-4   |       |             |
|       | RP1-5   | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0.9                   | 10         | 10               | 1       | 20    | Receptacles |
|       | RP1-7   | EXISTING LOAD    | 20         | 1 |                       | 0                  | 0.54     |          |                       | 10         | 10               | 1       | 20    | Receptacles |
|       | RP1-9   | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0                     |            |                  |         |       |             |
|       | RP1-11  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0                     |            |                  |         |       |             |
|       | RP1-13  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0                     |            |                  |         |       |             |
|       | RP1-15  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0                     |            |                  |         |       |             |
|       | RP1-17  | EXISTING LOAD    | 20         | 1 |                       |                    |          |          | 0                     |            |                  |         |       |             |
|       | RP1-19  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0        |                       |            |                  |         |       |             |
|       | RP1-21  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0        |                       |            |                  |         |       |             |
|       | RP1-23  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0                     |            |                  |         |       |             |
|       | RP1-25  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0        |                       |            |                  |         |       |             |
|       | RP1-27  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0.72                  | 10         | 10               | 1       | 20    | Receptacles |
|       | RP1-29  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0.9                   | 10         | 10               | 1       | 20    | Receptacles |
|       | RP1-31  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0.54     |                       | 10         | 10               | 1       | 20    | Receptacles |
|       | RP1-33  | Receptacles      | 20         | 1 | 10                    | 10                 | 10       |          |                       | 10         | 10               | 1       | 20    | Receptacles |
|       | RP1-35  | EXISTING LOAD    | 20         | 1 |                       |                    | 0.36     | 0.36     |                       | 10         | 10               | 1       | 20    | Receptacles |
|       | RP1-37  | Receptacles      | 20         | 1 | 10                    | 10                 | 10       |          |                       | 10         | 10               | 1       | 20    | Receptacles |
|       | RP1-39  | EXISTING LOAD    | 20         | 1 |                       |                    | 0        | 0.36     |                       | 10         | 10               | 1       | 20    | Receptacles |
|       | RP1-41  | EXISTING LOAD    | 20         | 1 |                       |                    |          | 0        | 0.36                  | 10         | 10               | 1       | 20    | Receptacles |
|       |         |                  |            |   |                       | <b>Total Load:</b> | 1.80 kVA | 1.80 kVA | 2.70 kVA              |            |                  |         |       |             |
|       |         |                  |            |   |                       | <b>Total Amps:</b> | 15.00    | 15.00    | 22.50                 |            |                  |         |       |             |

**LOAD SUMMARY**

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | TOTALS*                                     |
|---------------------|----------------|---------------|------------------|---|
| Receptacles         | 6.3 kVA        | 100.00%       | 6.3 kVA          |   |
|                     |                |               |                  | <b>TOTAL CONNECTED LOAD:</b> 6.30 kVA       |
|                     |                |               |                  | <b>TOTAL ESTIMATED DEMAND LOAD:</b> 6.3 kVA |
|                     |                |               |                  | <b>TOTAL CONNECTED AMPS:</b> 17.49 A        |
|                     |                |               |                  | <b>TOTAL ESTIMATED DEMAND AMPS:</b> 17.5    |

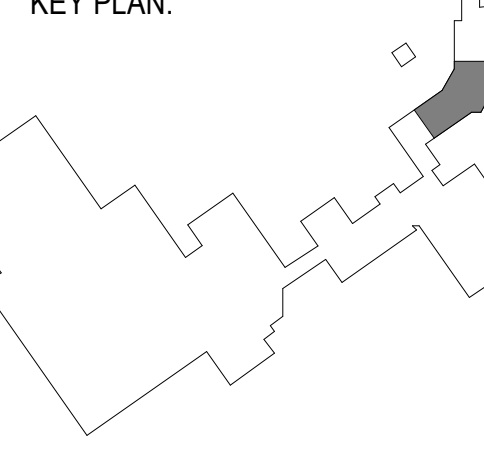
\*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

**CIRCUIT KEY NOTES:** \*N: PROVIDE NEW CIRCUIT BREAKER AS SHOWN. MATCH EXISTING CIRCUIT BREAKER TYPE AND RATING.

**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025



SHEET STATUS: 02/18/2025  
**ISSUED FOR BID - NOT FOR CONSTRUCTION**

| NO. | DESCRIPTION: | DATE: |
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SHEET TITLE:  
**ELECTRICAL ONE LINE DIAGRAM**

SHEET NUMBER:  
**E3.00**

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Illinois Design Firm Registration #16028976-014  
 REV. SCALE IN INCHES PROJECT #24007530-02





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
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 P: 312.496.0000

S / MEP / FP / T ENGINEERS:  
**IMEG CORP.**  
 253 SHUMAN BOULEVARD, SUITE  
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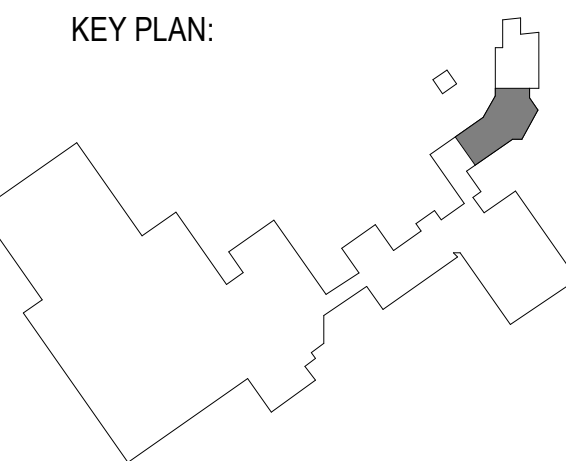
**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**

8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025

KEY PLAN:



SHEET STATUS: 02/18/2025  
**ISSUED FOR BID - NOT FOR CONSTRUCTION**

| NO. | DESCRIPTION: | DATE: |
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SHEET TITLE:  
**ELECTRICAL SCHEDULES**

SHEET NUMBER:  
**E4.00**

2/18/2025 11:16:03 AM

**DISCONNECT AND STARTER SCHEDULE**

| NOTE: ALL DISCONNECTS (EXCEPT MANUAL STARTERS) SHALL BE HEAVY DUTY TYPE. |  |   |        |             |                       |           |           |                                |           |                                |          |
|--|--|---|--------|-------------|-----------------------|-----------|-----------|--------------------------------|-----------|--------------------------------|----------|
| DISCONNECT TYPE:   |  |   |        |             | ACCESSORIES & OPTIONS |           |           |                                |           |                                |          |
| FU - FUSED   | SA - STANDARD ACCESSORIES (INCLUDES * ITEMS) | PF - PHASE LOSS PROTECTION (5 HP OR GREATER, 3 PHASE... |        |             |                       |           |           |                                |           |                                |          |
| NF - NON-FUSED   | *CT - CONTROL TRANSFORMER, FUSED 120V        | TO - MELTING THERMAL OVERLOADS (1 PHASE)                |        |             |                       |           |           |                                |           |                                |          |
| CB - CIRCUIT BREAKER   | *EO - ELECTRONIC OVERLOAD (3 PHASE MOTORS)   | TS - 2 SPEED SELECTOR SWITCH IN DOOR                    |        |             |                       |           |           |                                |           |                                |          |
|  | *HA - HAND-OFF-AUTO IN DOOR                  | GP - GREEN (OFF) PILOT LIGHT IN DOOR                    |        |             |                       |           |           |                                |           |                                |          |
| STARTER TYPE:  |  |   |        |             |                       |           |           |                                |           |                                |          |
| FV - FULL VOLTAGE  | *RP - RED (RUN) PILOT LIGHT IN DOOR          | FA - 4-CONVERTIBLE AUXILIARY CONTACTS                   |        |             |                       |           |           |                                |           |                                |          |
| YD - WYE - DELTA   | *TA - TWO CONVERTIBLE AUXILIARY CONTACTS     | EI - ELECTRICAL INTERLOCK (2-N.O. & (2)-N.C.            |        |             |                       |           |           |                                |           |                                |          |
| RE - REVERSING   | SIN - INSULATED NEUTRAL ASSEMBLY             | SS - START-STOP PUSHBUTTON IN DOOR                      |        |             |                       |           |           |                                |           |                                |          |
| TW - 2 SPEED, 2 WINDING  |  | HL - HANDLE PADLOCK HASP                                |        |             |                       |           |           |                                |           |                                |          |
| SW - 2 SPEED, 1 WINDING  |  |   |        |             |                       |           |           |                                |           |                                |          |
| RV - REDUCED VOLTAGE AUTOXFMR  |  |   |        |             |                       |           |           |                                |           |                                |          |
| SS - SOLID STATE   |  |   |        |             |                       |           |           |                                |           |                                |          |
| MS - MANUAL STARTER  |  |   |        |             |                       |           |           |                                |           |                                |          |
| MX - MANUAL SWITCH   |  |   |        |             |                       |           |           |                                |           |                                |          |
| FS - FUSED SWITCH  |  |   |        |             |                       |           |           |                                |           |                                |          |
| AMS-ASSEMBLED MOTOR STARTER  |  |   |        |             |                       |           |           |                                |           |                                |          |
| ITEM   |  | DISCONNECT TYPE & RATING                                |        | STARTER     |                       | ENCLOSURE |           | REQUIRED ACCESSORIES & OPTIONS |           | COMMENTS                       |          |
| CB-X-RAY   |  | TYPE  | RATING | TRIP RATING | VOLTAGE               | POLES     | NEMA SIZE | TYPE                           | ENCLOSURE | REQUIRED ACCESSORIES & OPTIONS | COMMENTS |
|  |  | CB  | 50     | 50          | 480                   | 3         |           |                                | NEMA 1    | 120V SHUNT TRIP, 18 KA SCCR    |          |

**LED LUMINAIRE SCHEDULE**

| (DESC) DOOR:                               | DISTRIBUTION:                    | BEAMWIDTH:                   | (L/L) LENS/LOUVER:                | K19 - KSH19 - .156" ACRYLIC   |
|--|----------------------------------|------------------------------|-----------------------------------|-------------------------------|
| FA - FLAT ALUMINUM                         | II - ANSIES TYPE 2 DISTRIBUTION  | NSP - VERY NARROW SPOT       | A - 125" ACRYLIC                  | M - MATTE DIFFUSE CLEAR       |
| FS - FLAT STEEL                            | III - ANSIES TYPE 3 DISTRIBUTION | SP - SPOT                    | B - BAFFLE/LOUVER                 | N - NONE                      |
| RA - REGRESSED ALUMINUM                    | IV - ANSIES TYPE 4 DISTRIBUTION  | MD - MEDIUM                  | C - CLEAR ALZAK                   | P - POLYCARBONATE             |
| RS - REGRESSED STEEL                       | V - ANSIES TYPE 5 DISTRIBUTION   | WD - WIDE                    | F - FROSTED ACRYLIC               | R - HIGH IMPACT DR ACRYLIC    |
| FINISH:                                    |                                  | WWD - VERY WIDE              | G - TEMPERED GLASS                | SS - SEMI-SPECULAR CLEAR      |
| PAF - PAINT AFTER FABRICATION              |                                  | WW - WALL WASH               | K - KSH12, 125" ACRYLIC           | O - OTHER (SEE DESCRIPTION)   |
| CPSA - COLOR-FINISH SELECTION BY ARCHITECT |                                  |                              |                                   | [DESIGN SPECIFIC BLANKS]      |
| (MTG) MOUNTING:                            | RE - RECESSED                    | (WATT) PER:                  | FIX - FIXTURE, FT - FOOT, LAMP    |                               |
| CL - CEILING SURFACE                       | SP - SUSPENDED                   | (TYPE) LED                   | RGB - COLOR CHANGING LED          |                               |
| CV - COVE                                  | SU - SURFACE                     | LED - LIGHT EMITTING DIODE   | RGBW - COLOR CHANGING + WHITE     |                               |
| FR - FLANGED RECESSED                      | UC - UNDER CABINET               | TLED - TUBULAR LED LAMP      | RGBA - COLOR CHANGING + AMBER     |                               |
| P - PERIMETER                              | WL - WALL                        | OLED - ORGANIC LED           | RLED - RETROFIT LED               |                               |
| PL - POLE                                  | O - OTHER (SEE DESCRIPTION)      | DLED - DYNAMIC TUNABLE LED   | WLED - WARM DIM LED               |                               |
| (TYPE) DRIVER:                             | 0-10V - 0-10V DIMMING            | EB - ELECTRONIC              | HL - HIGH/LOW (100%/50%) STEP DIM | MV - MULTI-VOLTAGE ELECTRONIC |
|  | DALI - DIGITAL ADDRESSABLE       | ELV - ELECTRONIC LOW VOLTAGE | LINE - LINE VOLTAGE DIMMING       | REM - REMOTE                  |
|  | DMX - DIGITAL MULTIPLEX          | EM - EMERGENCY BATTERY       | ML - MULTILEVEL SWITCHING         | O - OTHER (SEE DESCRIPTION)   |

CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.

VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER. CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER. UNLESS INDICATED ON LIGHTING PLANS OR BELOW, REFER TO ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS, SECTIONS AND DETAILS FOR ALL SUSPENDED AND WALL MOUNTED LUMINAIRE MOUNTING HEIGHTS.

REFER TO SPECIFICATION SECTIONS LED LIGHTING 26 51 19 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. INTERIOR CORRELATED COLOR TEMPERATURE 3500K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.

| ITEM | DESCRIPTION   | DIMENSIONS |    |       |        | WATT       |     |      |     | LED                    |       |  |                        | DRIVER |  |  |  |
|------|---|------------|----|-------|--------|------------|-----|------|-----|------------------------|-------|--|------------------------|--------|--|--|--|
|      |   | L          | W  | H     | DIA.   | ANSI WATTS | PER | TYPE | QTY | DELIVERED LUMENS (MIN) | VOLTS | TYPE                                   | MANUFACTURER AND MODEL |        |  |  |  |
| EX1  | EDGE/LIT SINGLE FACED EXIT SIGN, INJECTION MOLDED ACRYLIC MIRROR LENS AND EXTRUDED ALUMINUM HOUSING. HOUSING FINISH AND COLORS SELECTED BY ARCHITECT. VERIFY RECESSED END BACK OR CEILING MOUNTING AND ARROWS WITH PLANS. | 0          | CL | 1'-1" | 2"     | 9"         |     | 4    | FIX | LED                    | 1     | LED                                    | 277                    | EB     | SURE-LITE APPEL LITHONIA LRP EL N DUAL-LITE LE S MCPHILBEN 40V 1 EVENLITE SOV 1C |  |  |
| F1   | RECESSED LED DIRECT TROFFER, HIGH OPTICAL GRADE LENS WITH CURVED SMOOTH DIFFUSER.   | 0          | RE | 4'-0" | 2'-0"  | 2 3/8"     |     | 47   | FIX | LED                    | 1     | 6000 LM                                | 277                    | 0-10V  | LITHONIA 2BLT4   |  |  |
| F2   | RECESSED LED DIRECT TROFFER, HIGH OPTICAL GRADE LENS WITH CURVED SMOOTH DIFFUSER.   | 0          | RE | 2'-0" | 2'-0"  | 2 3/8"     |     | 31   | FIX | LED                    | 1     | 4000 LM                                | 277                    | 0-10V  | LITHONIA 2BLT2   |  |  |
| F3   | 17" APERTURE RECESSED OPEN LED DOWNLIGHT, MEDIUM DISTRIBUTION, SEMI-SPECULAR.   | 0          | RE |       |        | 9 1/2"     | 6"  | 20   | FIX | LED                    | 1     | 2000 LM                                | 277                    | 0-10V  | GOTHAM EV06 PORTFOLIO L06 LIGHTOLIER P6R   |  |  |
| F4   | OVERBED MULTIFUNCTION TROFFER, DECORATIVE LENS, WITH READING, AMBIENT AND EXAM FUNCTIONS, DECORATIVE LENS SELECTED BY ARCHITECT.  | 0          | RE | 4'-0" | 2'-0"  | 3 1/2"     |     | 162  | FIX | LED                    | 1     | AMBIENT: 2500 EXAM: 6400 READING: 2800 | 277                    | 0-10V  | VISA SERENITY CM1946 NEWSTAR LUMINAIRE SPDH                                      |  |  |
| F5   | UNDER CABINET UNIT, STEEL HOUSING, DIFFUSE MATTE ACRYLIC LENS, ROCKER SWITCH  | 0          | UC | 2'-0" | 4 7/8" | 1"         |     | 12   | FIX | LED                    | 1     | 1200 LM                                | 277                    | EB     | H.E.WILLIAMS 1SF COOPER FAIL-SAFE UCL ACUCITY HEAL SPECTRA- SF LED               |  |  |
| UI1  | IN USE SIGN, SIGNAGE TO READ "X-RAY IN USE."  | 0          | WL | 11"   | 3 1/8" | 8"         |     | 2    | FIX | LED                    | 1     | LED                                    | 120                    | EB     | LITHONIA LE SURE-LITES CX DUAL-LITE SE   |  |  |

**LIGHTING SEQUENCE OF OPERATION**

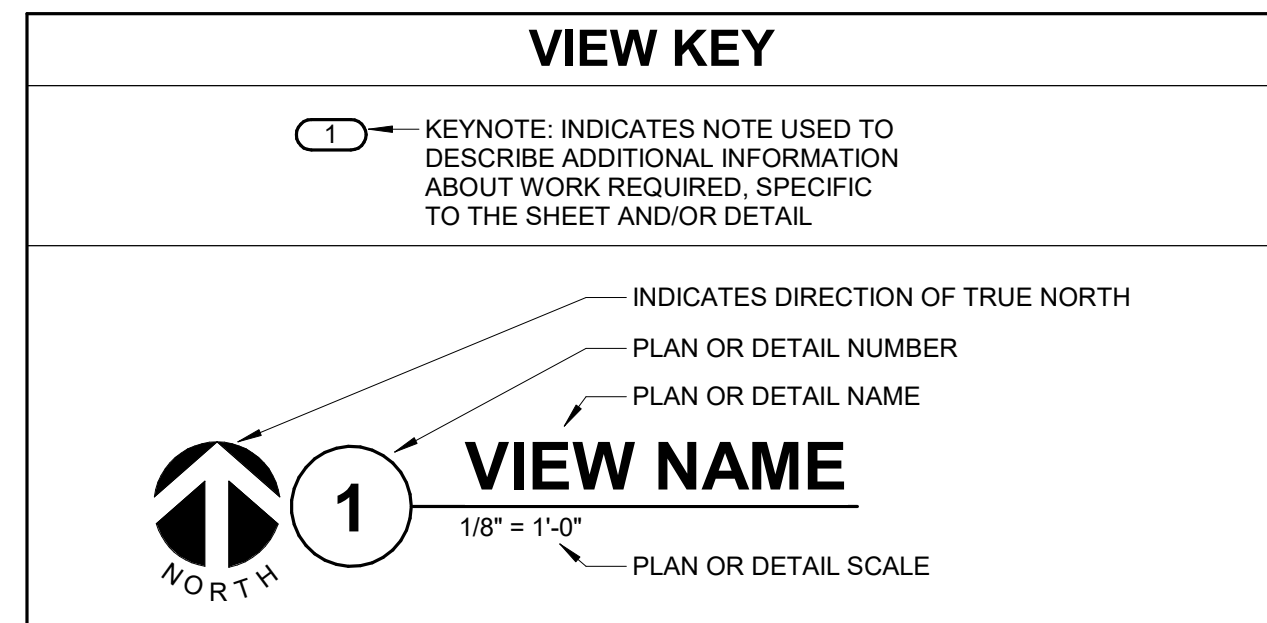
NOTES:  
 1. (L##) DENOTES THE LIGHTING SEQUENCE OF OPERATIONS FOR THIS SPACE.

| PLAN ID | LIGHTING SWITCHED  |
|---------|--|
| (LS1)   | Sequence: Switched lights are vacancy controlled from a ceiling sensor or wall switch sensor in this space.<br>ON: The lights turn on using the wall controller.<br>OFF: After the space has been vacant for 15 minutes, the lights will automatically turn off or manually by wall controller.  |
| (LS2)   | Sequence: Dimmed lights are vacancy controlled from a ceiling sensor in this space.<br>ON: The lights turn on using the wall controller.<br>ADJUST: The lights within the space are raised/lowered via wall controller.<br>OFF: After the space has been vacant for 15 minutes, the lights will automatically turn off or manually by wall controller.<br>Emergency: (if shown) Life safety lights (SE) are controlled with normal lights. When normal power fails, life safety lights shall go to 100% output.  |
| (LS3)   | Sequence: Dimmed lights are vacancy controlled from a ceiling mounted sensor in this space.<br>ON: The lights are turn on using the wall controller.<br>ADJUST: The lights within the space are raised/lowered via wall controller. Rooms with multiple zones have subscript to identify minimum in each zone. Each zone shall be connected to a separate power pack. Rooms with multiple wall controllers shall allow for full control at each location.<br>Scenes:<br>1. 100% on (Zone a,b,c)<br>2. AV mode (Zone a: off, Zone b and c: 50%)<br>3. 50% on (Zone a,b,c)<br>OFF: After the space has been vacant for 15 minutes, the lights will automatically turn off or manually by wall controller.<br>Emergency: (if shown) Life safety lights (SE) are controlled with normal lights. When normal power fails, life safety lights shall go to 100% output. |
| (LS4)   | Sequence: Dimmed lights are vacancy controlled from a ceiling mounted sensor in this space.<br>ON: The lights are turn on using the wall controller.<br>ADJUST: The lights within the space are raised/lowered via wall controller. Rooms with multiple zones have subscript to identify minimum in each zone. Each zone shall be connected to a separate power pack. Refer to lighting controller detail on sheet 5/E1.10.<br>OFF: After the space has been vacant for 15 minutes, the lights will automatically turn off or manually by wall controller.<br>Emergency: (if shown) Life safety lights (SE) are controlled with normal lights. When normal power fails, life safety lights shall go to 100% output.  |

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Illinois Design Firm Registration #16028976-014  
 REV. SCALE IN INCHES PROJECT #24007530-02



### CONTRACTOR ABBREVIATION KEY

| ABBR: | DESCRIPTION:          |
|-------|-----------------------|
| E.C.  | ELECTRICAL CONTRACTOR |
| M.C.  | MECHANICAL CONTRACTOR |
| P.C.  | PLUMBING CONTRACTOR   |
| T.C.  | TECHNOLOGY CONTRACTOR |

### TECHNOLOGY SYMBOL LIST

| SYMBOL | TAG    | EQUIPMENT LIST ABBREVIATION | DESCRIPTION  |
|--------|--------|-----------------------------|--|
| ⊙      | SP1    | AV-SP1-C                    | AV PERFORMANCE SPEAKER (CEILING)                             |
| ⊞      | WP1    | AV-WP1-C                    | AV PERFORMANCE SPEAKER (WALL) EXISTING                       |
| ◆      | WP1    | AV-WP1-W                    | AV PLATE (CEILING/SURFACE)                                   |
| ⊞      |        |                             | AV WALLPLATE/BACKBOX (WALL)                                  |
| ⊞      |        |                             | CLOCK (WALL) EXISTING  |
| ⊞      |        |                             | NURSE CALL SINGLE PATIENT BED STATION (WALL) EXISTING        |
| ⊞      | S1     | PA-S1-C                     | FACILITY PAGING SPEAKER (CEILING) EXISTING                   |
| ⊞      |        |                             | FACILITY PAGING SPEAKER (WALL) EXISTING                      |
| ⊞      | C2     | SC-IO-C                     | INFORMATION OUTLET (CEILING)                                 |
| ⊞      | C2-WAP | SC-WAP-C                    | WIRELESS ACCESS POINT (CEILING)                              |
| ⊞      | WAP    |                             | WIRELESS ACCESS POINT (CEILING) EXISTING                     |
| ⊞      | C2     | SC-IO-W                     | INFORMATION OUTLET (WALL)                                    |
| ⊞      | C4     | SC-IO-W                     | INFORMATION OUTLET (WALL) EXISTING                           |
| ⊞      |        |                             | VIDEO SURVEILLANCE CAMERA SINGLE LENS FOV (CEILING) EXISTING |

### PATHWAY SYMBOL LIST:

| SYMBOL | DESCRIPTION                           |
|--------|---------------------------------------|
| ▭      | CABLE TRAY, CHANNEL TRAY, BASKET TRAY |
| ▭      | LADDER RACK                           |
| —      | CONDUIT                               |
| →      | CONDUIT DOWN                          |
| ↕      | CONDUIT UP OR UP/DOWN                 |
| —      | CONDUIT SLEEVE                        |
| →      | CONTINUATION                          |

- ### TECHNOLOGY SYMBOL LIST GENERAL NOTES:
- \*C# INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T5.00 FOR ADDITIONAL INFORMATION.
  - UNDERLINED SUBSCRIPTS NEXT TO SYMBOL INDICATES DEVICE TYPE. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE T5.00 FOR ADDITIONAL INFORMATION.

### TECHNOLOGY ABBREVIATION KEY

| ABBR: | DESCRIPTION:                         |
|-------|--------------------------------------|
| AFF   | ABOVE FINISHED FLOOR                 |
| AFG   | ABOVE FINISHED GRADE                 |
| BFC   | BELOW FINISHED CEILING               |
| C     | CONDUIT                              |
| DE    | DELAYED EGRESS                       |
| DPOT  | DOUBLE POLE DOUBLE THROW             |
| FOV   | FIELD OF VIEW                        |
| J-BOX | JUNCTION BOX                         |
| POE   | POWER OVER ETHERNET                  |
| PTZ   | PAN TILT ZOOM                        |
| SIM   | SIMILAR                              |
| TYP   | TYPICAL                              |
| UNON  | UNLESS OTHERWISE NOTED               |
| *#    | MOUNTING HEIGHT ABOVE FINISHED FLOOR |
| EF-#  | ENTRANCE FACILITY                    |
| MC-#  | MAIN CROSS-CONNECT                   |
| TR-#  | TELECOMMUNICATIONS ROOM              |

### SUGGESTED MATRIX OF RESPONSIBILITY

| ITEM:   | SHOWN ON: | FURNISHED BY: | INSTALLED BY: | NOTES: |
|---|-----------|---------------|---------------|--------|
| TECHNOLOGY ROUGH-IN, REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION | T-SERIES  | E.C.          | E.C.          | 3, 4.  |
| INFORMATION OUTLET FACEPLATES, JACKS, AND TERMINATIONS  | T-SERIES  | T.C.          | T.C.          |        |
| CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)  | T-SERIES  | E.C.          | E.C.          |        |
| CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)                    | N/A       | T.C.          | T.C.          | 2, 4.  |
| TELECOMMUNICATION SYSTEMS ROUGH-IN  | T-SERIES  | E.C.          | E.C.          | 1.     |
| TELECOMMUNICATION EQUIPMENT, CABLING, AND TERMINATIONS  | T-SERIES  | T.C.          | T.C.          |        |
| CONNECTION OF TECHNOLOGY BONDING SYSTEM TO THE ELECTRICAL GROUND SYSTEM                       | T-SERIES  | E.C.          | E.C.          |        |
| LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS  | T-SERIES  | T.C.          | T.C.          |        |
| CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY) | T-SERIES  | T.C.          | T.C.          | 5.     |

- ### SUGGESTED MATRIX OF RESPONSIBILITY NOTES
- LOCATIONS OF TELECOMMUNICATIONS ROUGH-INS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE DRAWINGS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
  - BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
  - INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
  - ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR SHALL BE INCLUDED IN THE T.C.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
  - UNLESS TRADE RULES DICTATE OTHERWISE.

### TELECOM ROOM REFERENCES

| TELECOM ROOM     | DETAIL / SHEET REFERENCE | FLOOR PLAN REFERENCE |
|------------------|--------------------------|----------------------|
| EXISTING IT ROOM | T1/2.00                  | T1.00                |

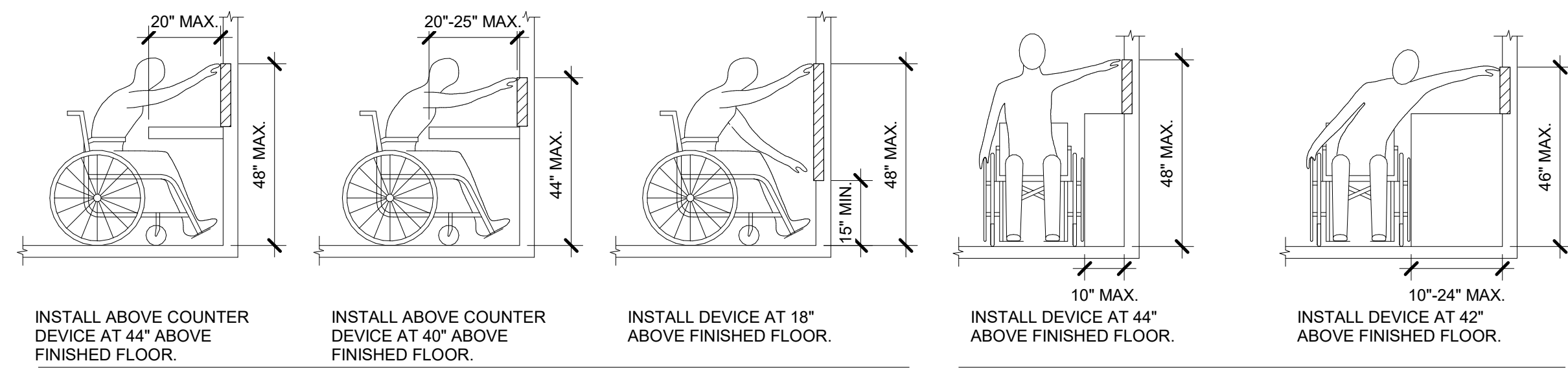
### TECHNOLOGY SHEET INDEX

|                |                                       |
|----------------|---------------------------------------|
| T0.00          | TECHNOLOGY COVERSHEET                 |
| TD1.00         | OVERALL DEMOLITION PLANS - TECHNOLOGY |
| TD1.01         | DEMOLITION PLANS - TECHNOLOGY         |
| T1.00          | OVERALL FLOOR PLANS - TECHNOLOGY      |
| T1.01          | FLOOR PLANS - TECHNOLOGY              |
| T2.00          | TECHNOLOGY ENLARGED PLANS             |
| T2.01          | TECHNOLOGY ENLARGED PLANS             |
| T5.00          | TECHNOLOGY SCHEDULES                  |
| GRAND TOTAL: 8 |                                       |

- ### TECHNOLOGY GENERAL NOTES:
- ###-###-# INDICATES TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION"
  - REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES
- TECHNOLOGY MOUNTING SUBSCRIPT KEY:
- A MOUNT AT \*#\* TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
  - H MOUNT ORIENTED HORIZONTALLY
  - L MOUNT IN CASEWORK
  - M MOUNT IN MODULAR FURNITURE
  - S MOUNT IN SURFACE RACEWAY
- A SLASH IS USED BETWEEN TWO SUBSCRIPTS, E.G., A/H.
- REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
  - REFER TO DIAGRAMS ON SHEET(S) [TXXX, TXXX, TXXX].

- ### TECHNOLOGY INSTALLATION NOTES:
- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON THIS PAGE FOR ADDITIONAL INFORMATION.
  - CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
  - BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
  - VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION, ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
  - TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUDED OR SEALED INTO OPENINGS.
  - ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO T7.05.03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
  - THE TECHNOLOGY CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF THE CEILINGS, CEILING TILES, AND CEILING GRID ASSOCIATED WITH THE AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
  - EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.

- ### TECHNOLOGY DEMOLITION NOTES
- THE DRAWINGS INDICATE EXISTING ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
  - ITEMS (I.E. SPEAKERS, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL. THE OWNER DOES NOT WANT TO REUSE OR RETAIN. (I.E., FOR MAINTENANCE PURPOSES).
  - EXISTING TO REMAIN DEVICES WITHIN OR ADJACENT TO THE PATH OF CONSTRUCTION SHALL BE PROTECTED IN PLACE. DEVICES THAT MUST BE REMOVED SHALL BE TESTED PRIOR TO REMOVAL, PROTECTED FROM DAMAGE, AND RE-INSTALLED IN ITS ORIGINAL LOCATION DURING THE NEW CONSTRUCTION PHASE OF THE PROJECT.
  - OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF THE POWER TO EQUIPMENT, SYSTEMS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
  - ALL CONDUIT SHALL BE REMOVED WHERE WALLS ARE BEING REMOVED, WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG WHERE CONDUIT IS RUN EXPOSED. ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC. SHALL ALSO BE REMOVED.
  - COORDINATE ALL WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING EQUIPMENT AND INSTALLING NEW ITEMS.
  - EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. RELOCATING EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
  - EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
  - DEVICES TO BE REMOVED SHALL HAVE ALL CONNECTED WIRING REMOVED TO THE SOURCE.
  - DEVICES NOT TO BE REMOVED SHALL BE PROTECTED FROM THE ENVIRONMENT, AND ALL ASSOCIATED CABLE/RACEWAYS ARE TO REMAIN AND BE PROTECTED. T.C. SHALL BE RESPONSIBLE FOR REPAIR OF ANY INTERRUPTIONS TO PROTECTED DEVICES.
  - REFER TO SPECIFICATIONS SECTION T7.05.00 FOR ADDITIONAL INFORMATION.



### ADA STANDARDS FOR ACCESSIBLE DESIGN



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P. 312.496.0000

S / MEP / FP / T ENGINEERS:  
**IMEG CORP.**  
 263 SHUMAN BOULEVARD, SUITE  
 550 NAPERVILLE, IL 60563  
 P. 630.527.2320

**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
 8600 ROUTE 14, SUITE 205  
 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025

KEY PLAN:

SHEET STATUS: 02/18/2025  
**ISSUED FOR BID - NOT FOR CONSTRUCTION**

| NO. | DESCRIPTION: | DATE: |
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SHEET TITLE:  
**TECHNOLOGY COVERSHEET**

SHEET NUMBER:

**T0.00**

**SHEET NOTES:**  
1. NO WORK THIS SHEET FOR REFERENCE ONLY.



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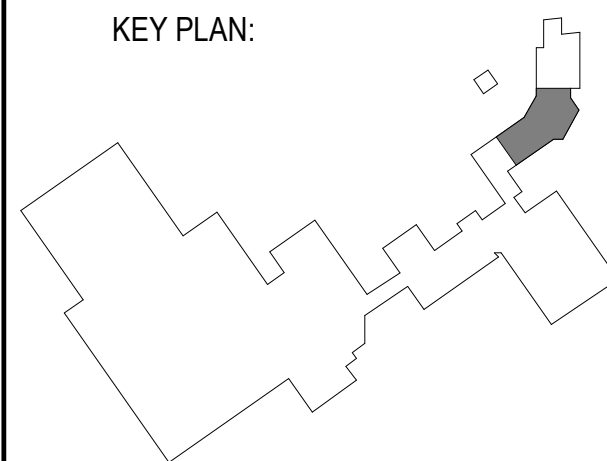
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EXP: 11/30/2025  
02/18/2025

KEY PLAN:



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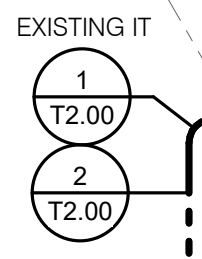
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SHEET TITLE:  
**OVERALL DEMOLITION PLANS - TECHNOLOGY**

SHEET NUMBER:

**TD1.00**

2/17/2025 10:25:01 AM



**1 LEVEL 01 DEMOLITION - TECHNOLOGY**  
3/32" = 1'-0"

**2 LEVEL 02 DEMOLITION - TECHNOLOGY**  
3/32" = 1'-0"

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 SUITE 550  
 NAPERVILLE, IL 60563  
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Illinois Design Firm Registration #19628976-0014  
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 PROJECT #24007530-02

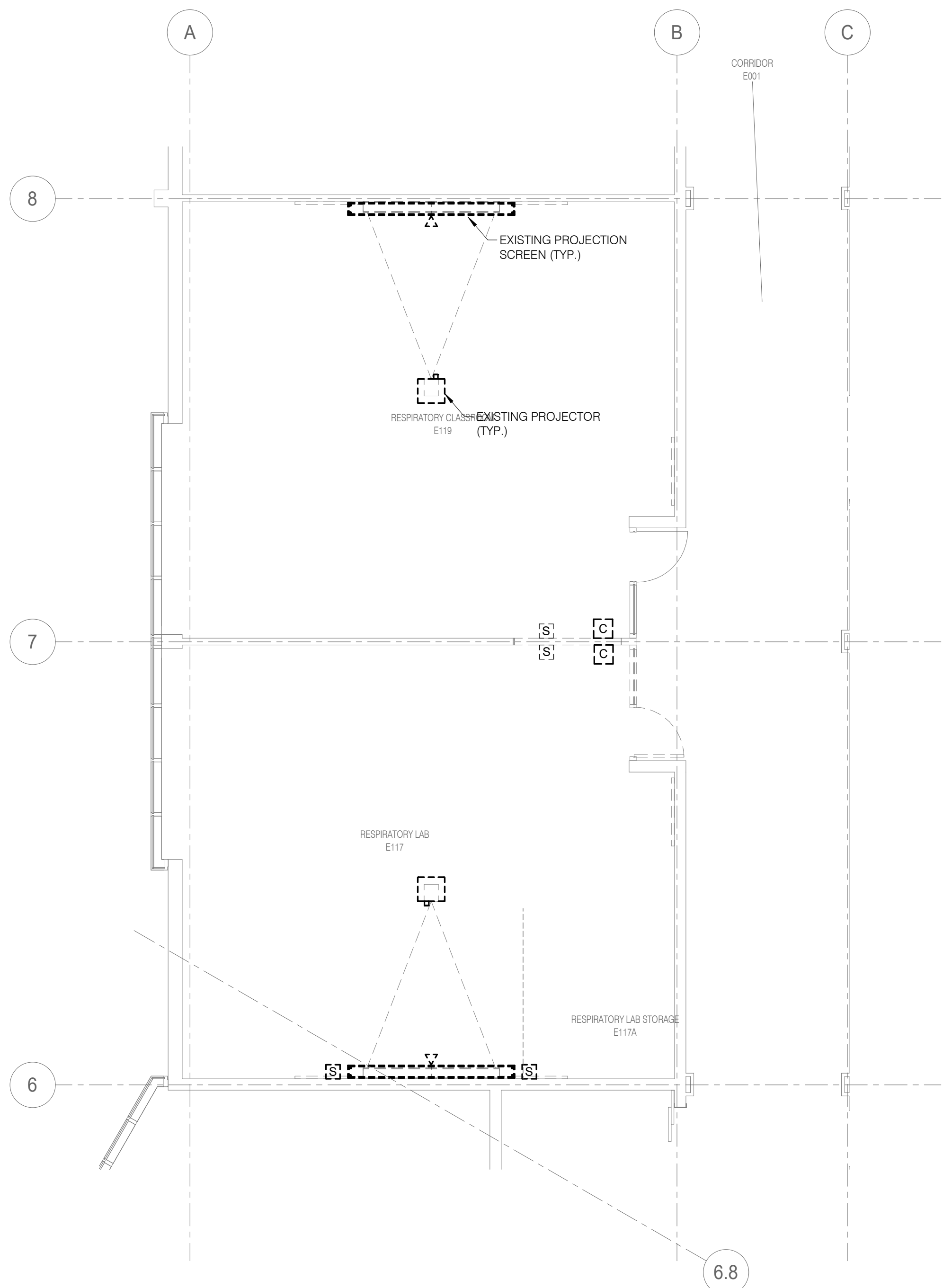




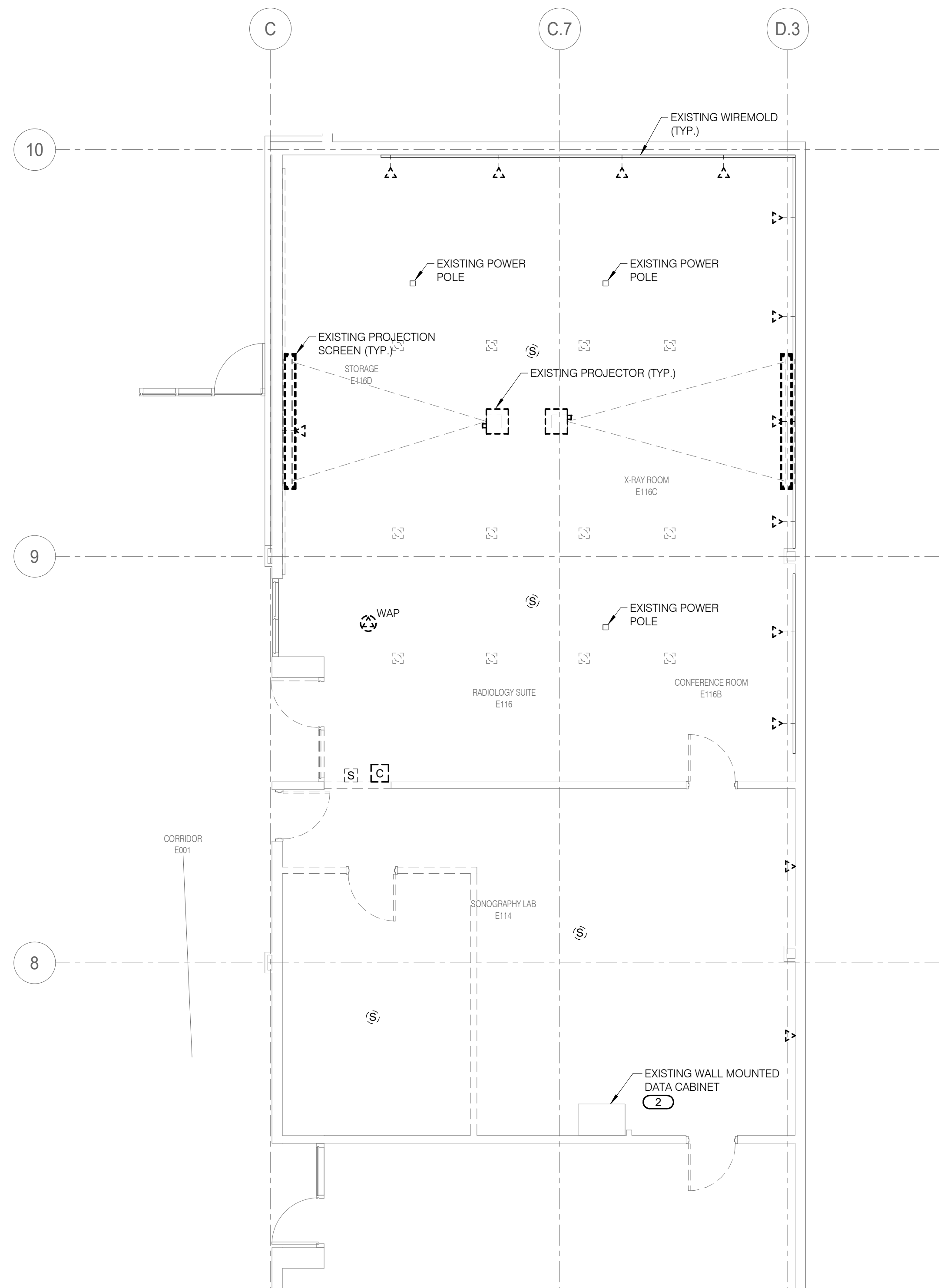
ARCHITECT OF RECORD  
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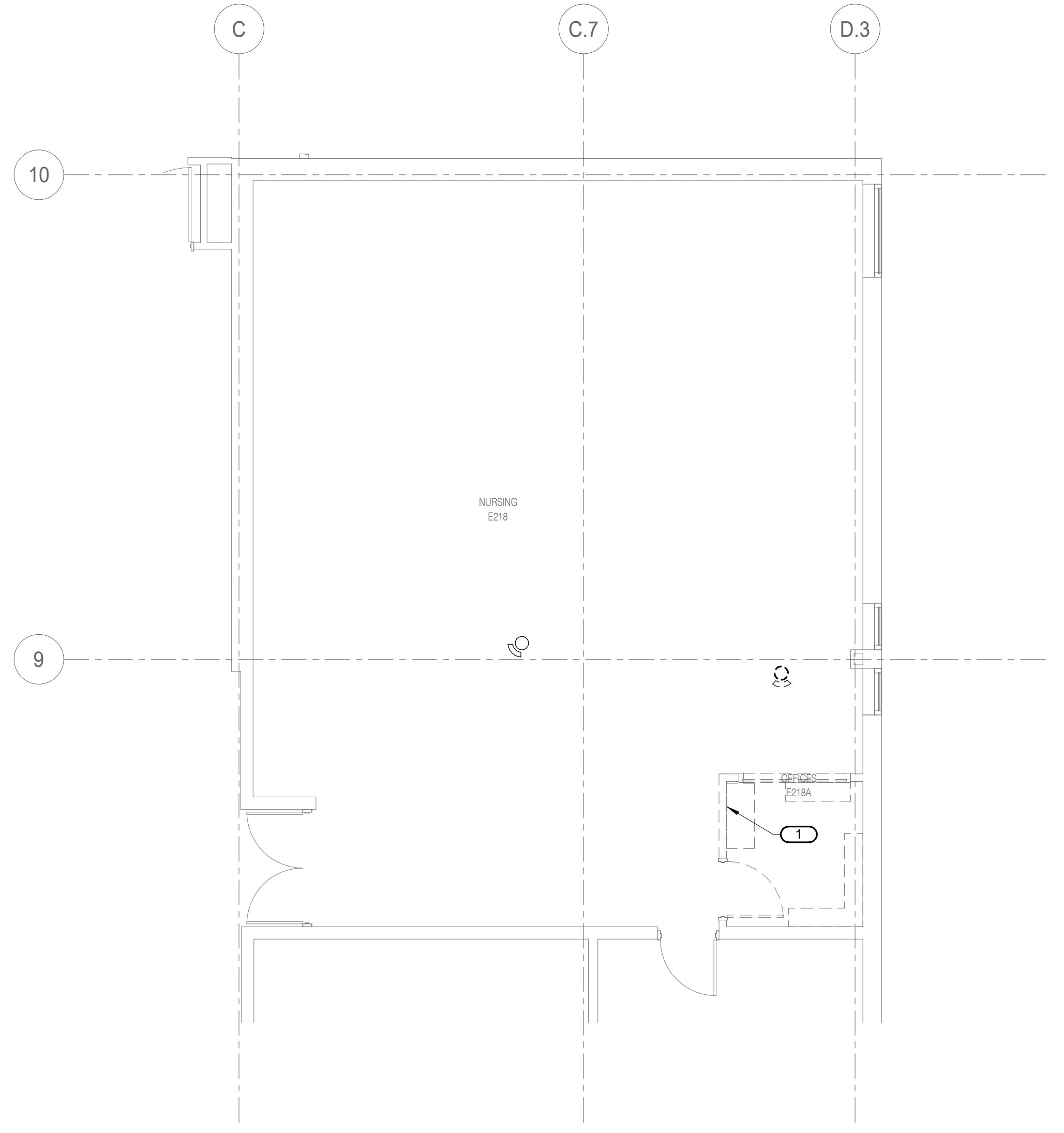
- SHEET NOTES:**
- ALL INFORMATION OUTLETS ON THIS SHEET SERVED FROM EXISTING IT UNLESS NOTED OTHERWISE. REFER TO T1.00 FOR EXACT LOCATION.
  - EXISTING AV DEVICES TO BE REMOVED AND RETURNED TO OWNER FOR RE-INSTALLATION. EXISTING WIRELESS ACCESS POINTS, PAGING SPEAKERS, CLOCKS AND INFORMATION OUTLETS SHOWN ON THE FLOOR PLANS ARE TO BE REMOVED AND SALVAGED FOR RE-INSTALLATION.
- KEYNOTES:**
- REMOVE CABLES FROM CABINET.
  - REMOVE EXISTING WALL MOUNTED DATA CABINET. ALL EQUIPMENT OUTLETS WITHIN ROOM E116 AND E112 SERVED FROM THIS CABINET. REMOVE COMPLETE CABLING. COORDINATE WITH OWNER PRIOR TO REMOVE.



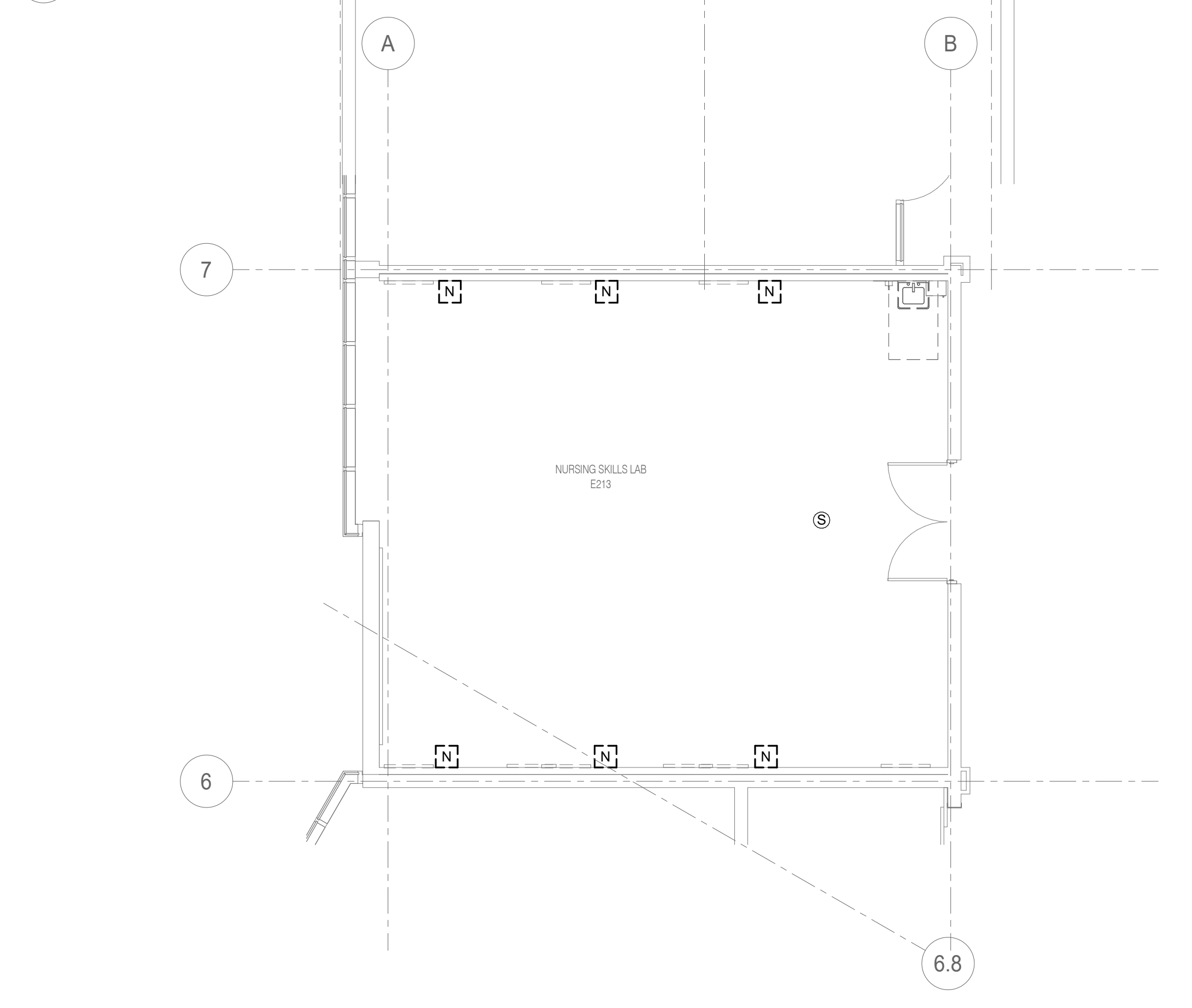
**1** LEVEL 01 DEMOLITION - TECHNOLOGY - RESPIRATORY CLASSROOM  
 3/16" = 1'-0"



**2** LEVEL 01 DEMOLITION - TECHNOLOGY - RADIOLOGY  
 3/16" = 1'-0"



**3** LEVEL 02 DEMOLITION - TECHNOLOGY - NURSING  
 3/16" = 1'-0"

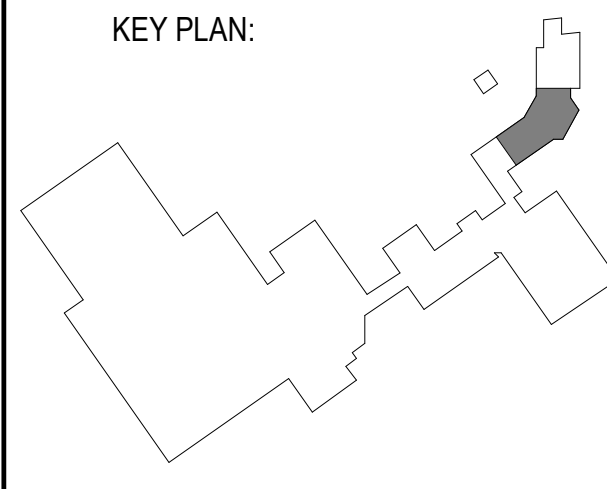


**4** LEVEL 02 DEMOLITION - TECHNOLOGY - NURSING SKILLS LAB  
 3/16" = 1'-0"

**McHenry County College**  
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 8600 ROUTE 14, SUITE 205  
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 DKA PROJECT NO: 24-032



EXP: 11/30/2025  
 02/18/2025



SHEET STATUS: 02/18/2025  
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SHEET TITLE:  
**DEMOLITION PLANS - TECHNOLOGY**

SHEET NUMBER:  
**TD1.01**

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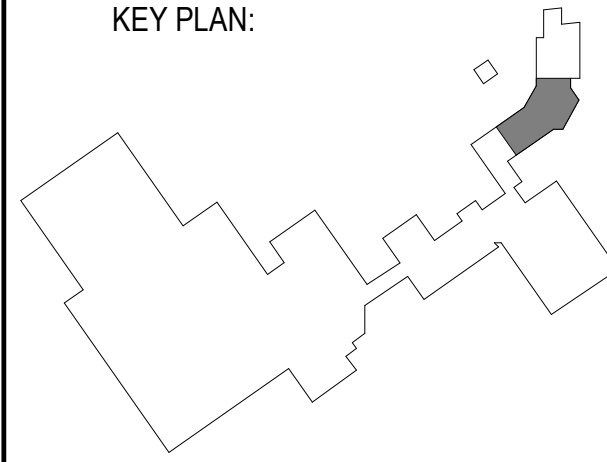
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 02/18/2025

KEY PLAN:



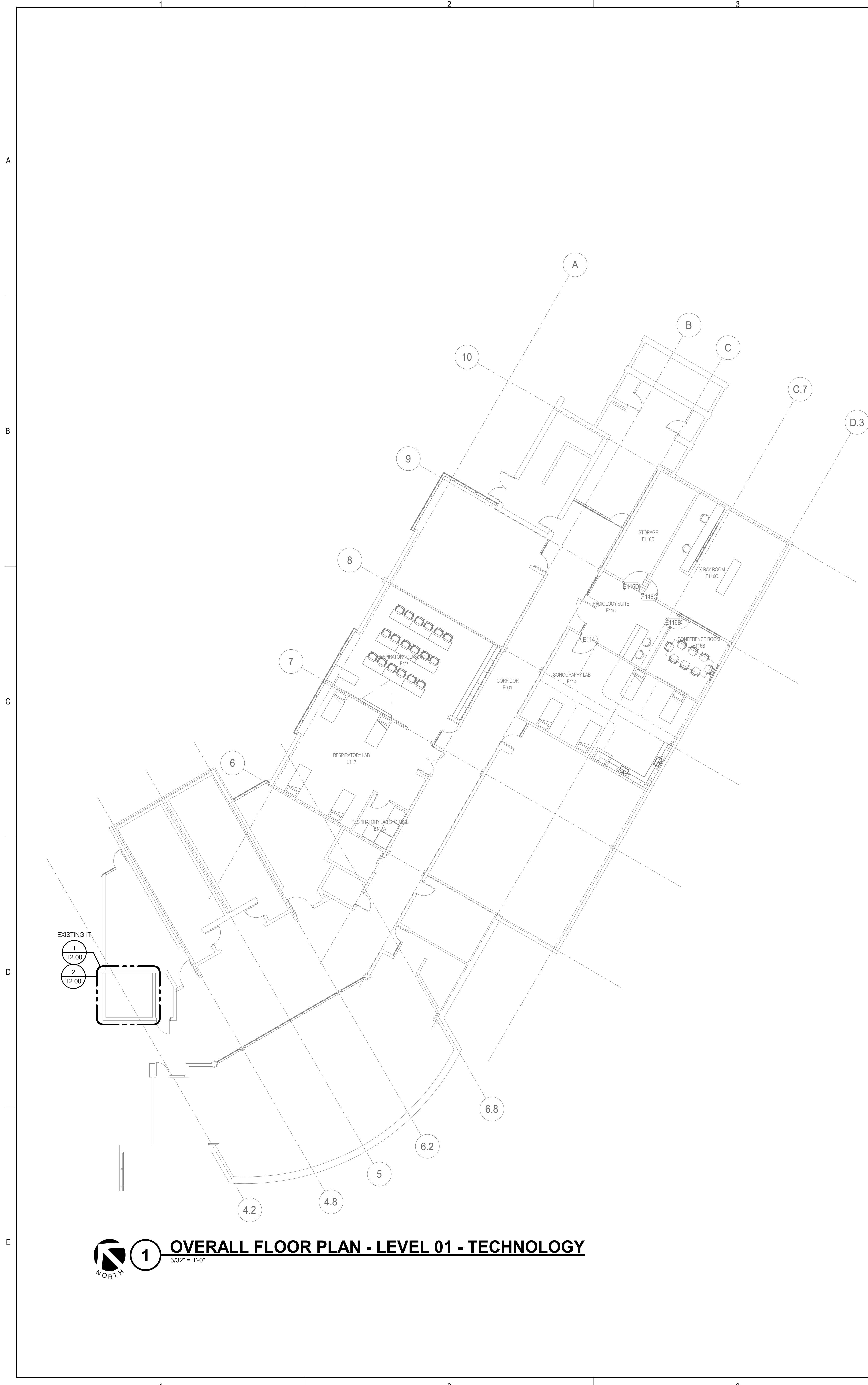
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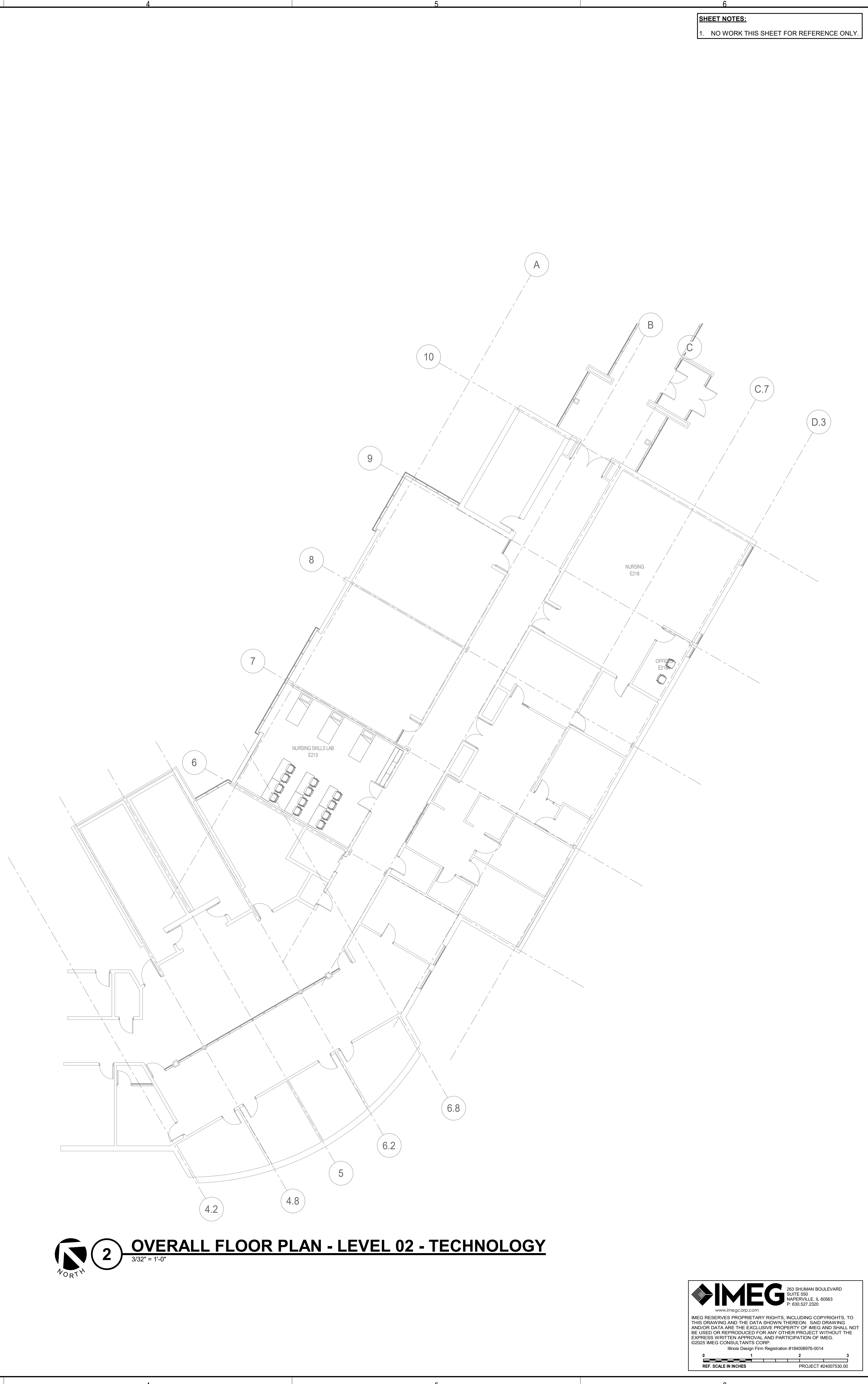
SHEET TITLE:  
**OVERALL FLOOR PLANS - TECHNOLOGY**

SHEET NUMBER:  
**T1.00**

2/17/2025 10:25:02 AM



**1 OVERALL FLOOR PLAN - LEVEL 01 - TECHNOLOGY**  
 3/32" = 1'-0"



**2 OVERALL FLOOR PLAN - LEVEL 02 - TECHNOLOGY**  
 3/32" = 1'-0"

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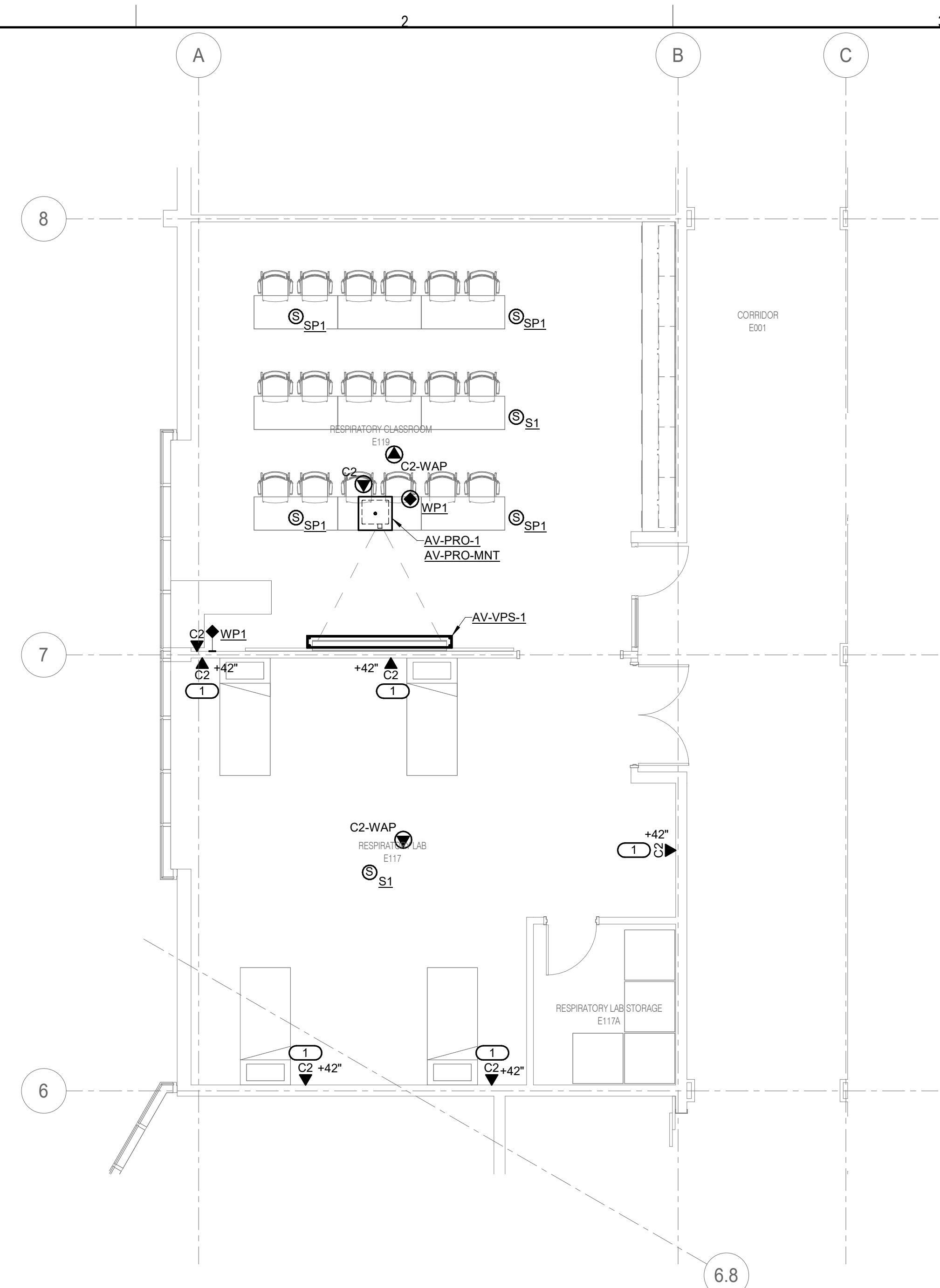
Illinois Design Firm Registration #19028970-0014  
 REV. SCALE IN INCHES 1 2 3  
 PROJECT #24007530.02



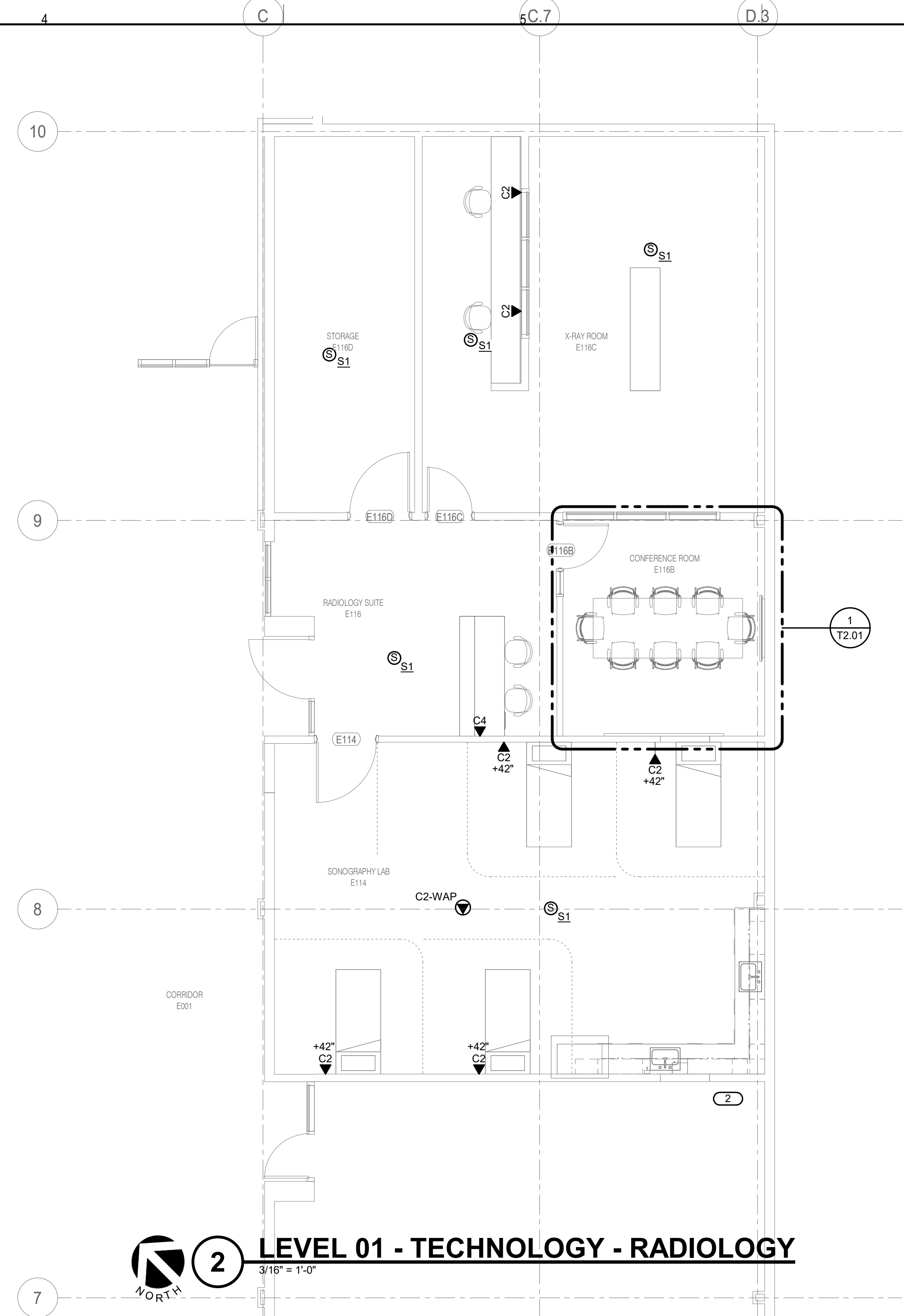
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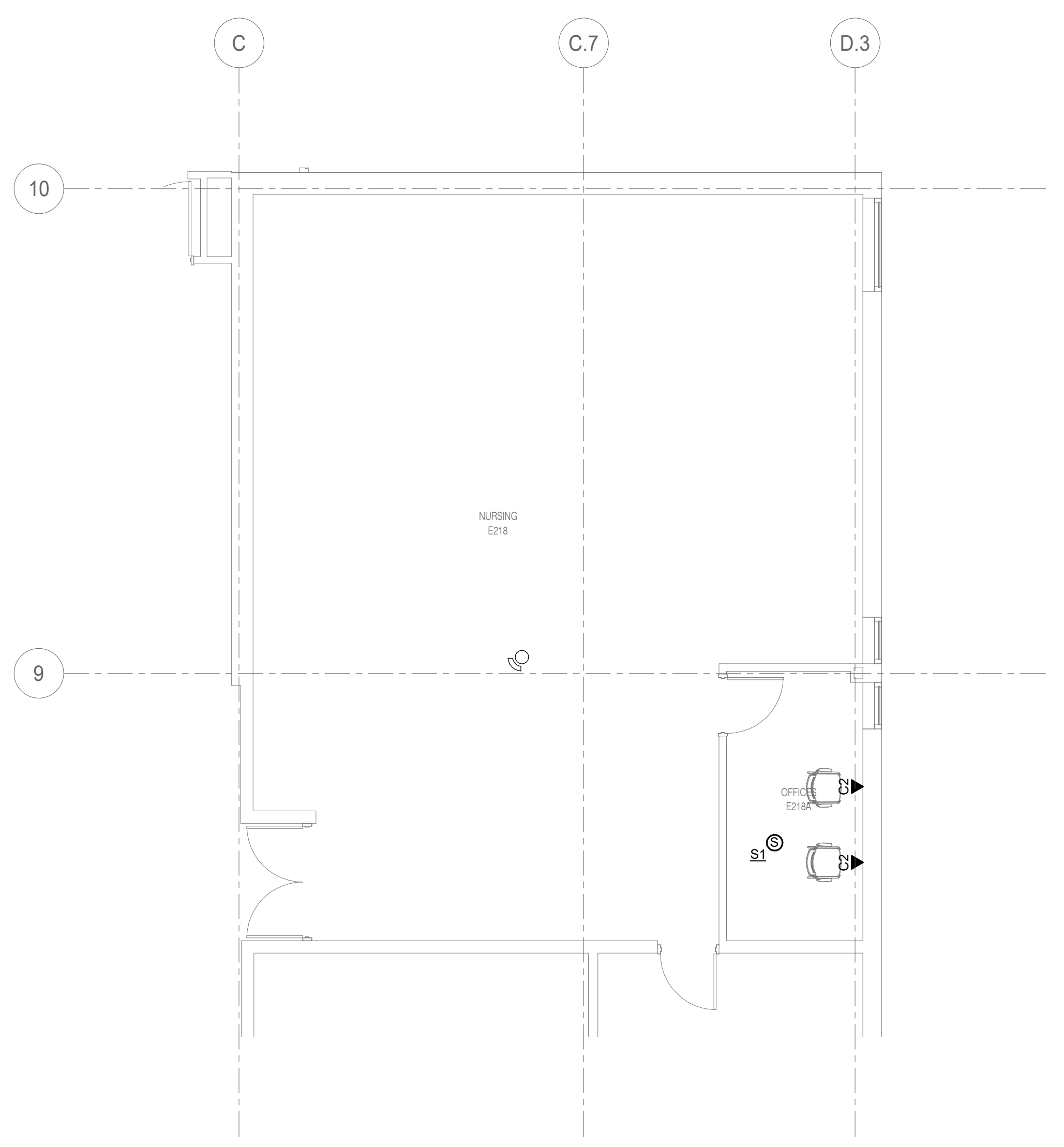
- SHEET NOTES:**
- ALL INFORMATION OUTLETS ON THIS SHEET SHALL BE SERVED FROM EXISTING IT UNLESS NOTED OTHERWISE. REFER TO T1.00 FOR EXACT LOCATION.
  - WIRELESS ACCESS POINTS ARE OWNER PROVIDED AND INSTALLED BY THIS CONTRACTOR.
- KEYNOTES: (E)**
- COORDINATE ELEVATION WITH RESPIRATOR VENDOR PRIOR TO INSTALLATION.
  - PROVIDE SIX (6) CATEGORY CABLES WITH 20' SLACK COIL AT THE NEAREST CABLE SUPPORT FOR FUTURE INSTALLATION.



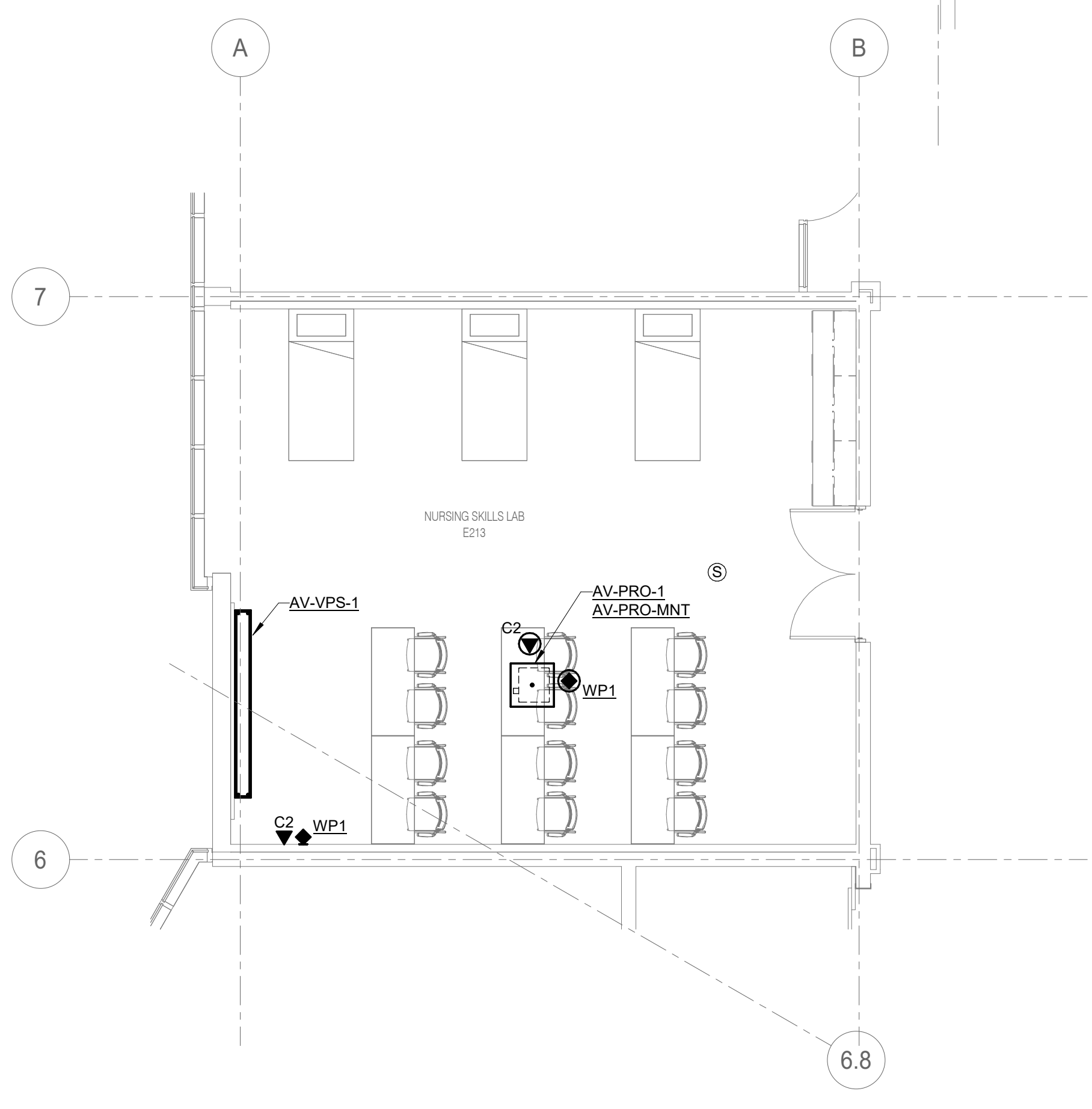
**1 LEVEL 01 - TECHNOLOGY - RESPIRATORY CLASSROOM**  
 3/16" = 1'-0"



**2 LEVEL 01 - TECHNOLOGY - RADIOLOGY**  
 3/16" = 1'-0"



**3 LEVEL 02 - TECHNOLOGY - NURSING**  
 3/16" = 1'-0"



**4 LEVEL 02 - TECHNOLOGY - NURSING SKILLS LAB**  
 3/16" = 1'-0"

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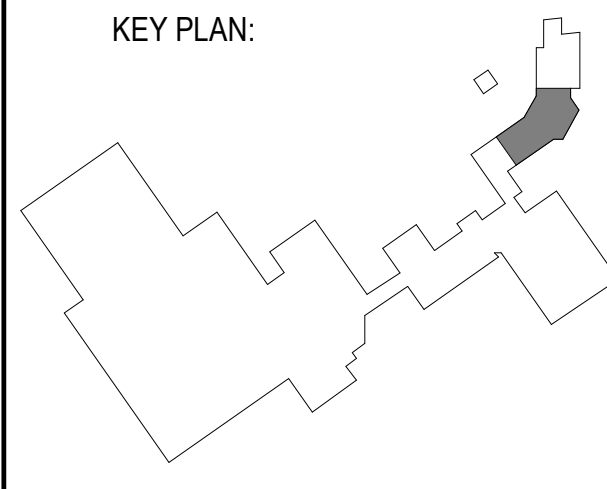
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 CRYSTAL LAKE, IL 60012  
 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025



SHEET STATUS: 02/18/2025  
**ISSUED FOR BID - NOT FOR CONSTRUCTION**

| NO. | DESCRIPTION: | DATE: |
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SHEET TITLE:  
**FLOOR PLANS - TECHNOLOGY**

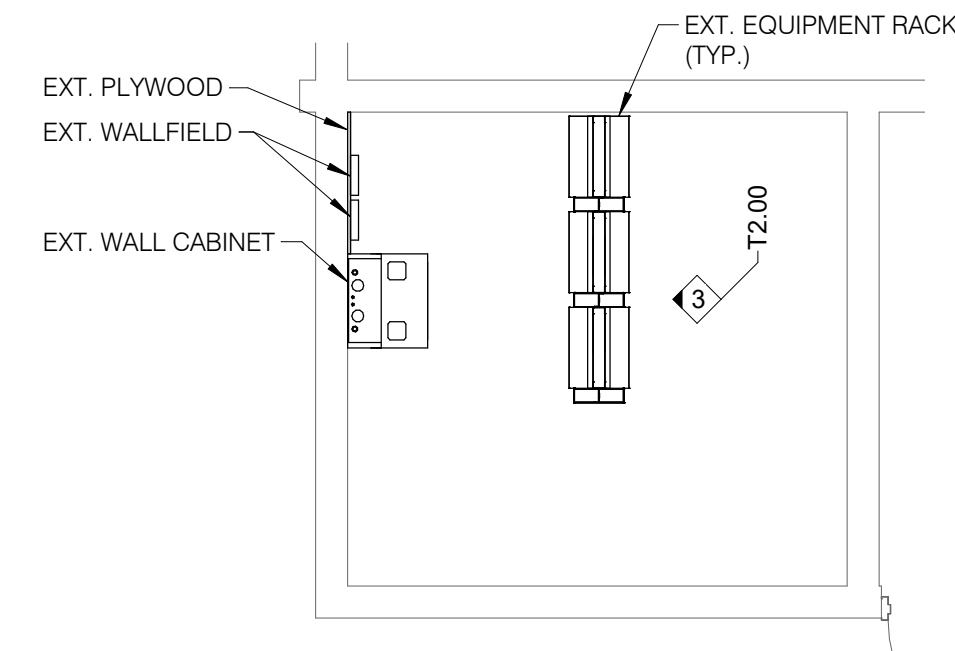
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**T1.01**



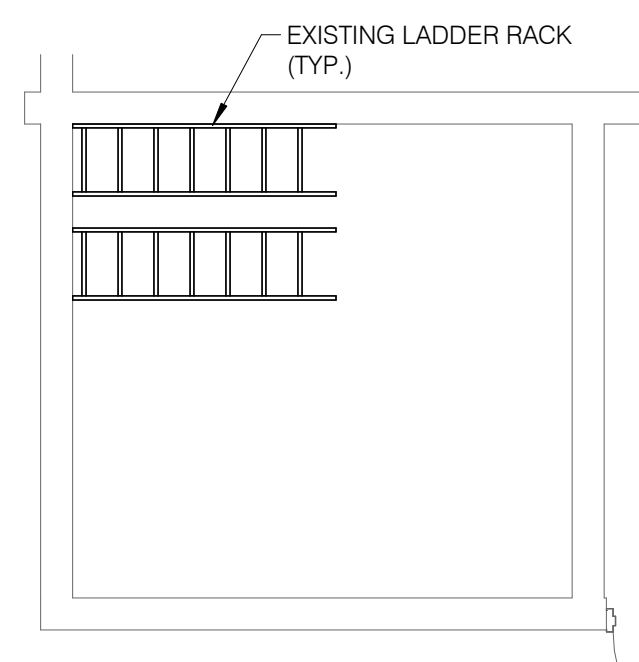


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
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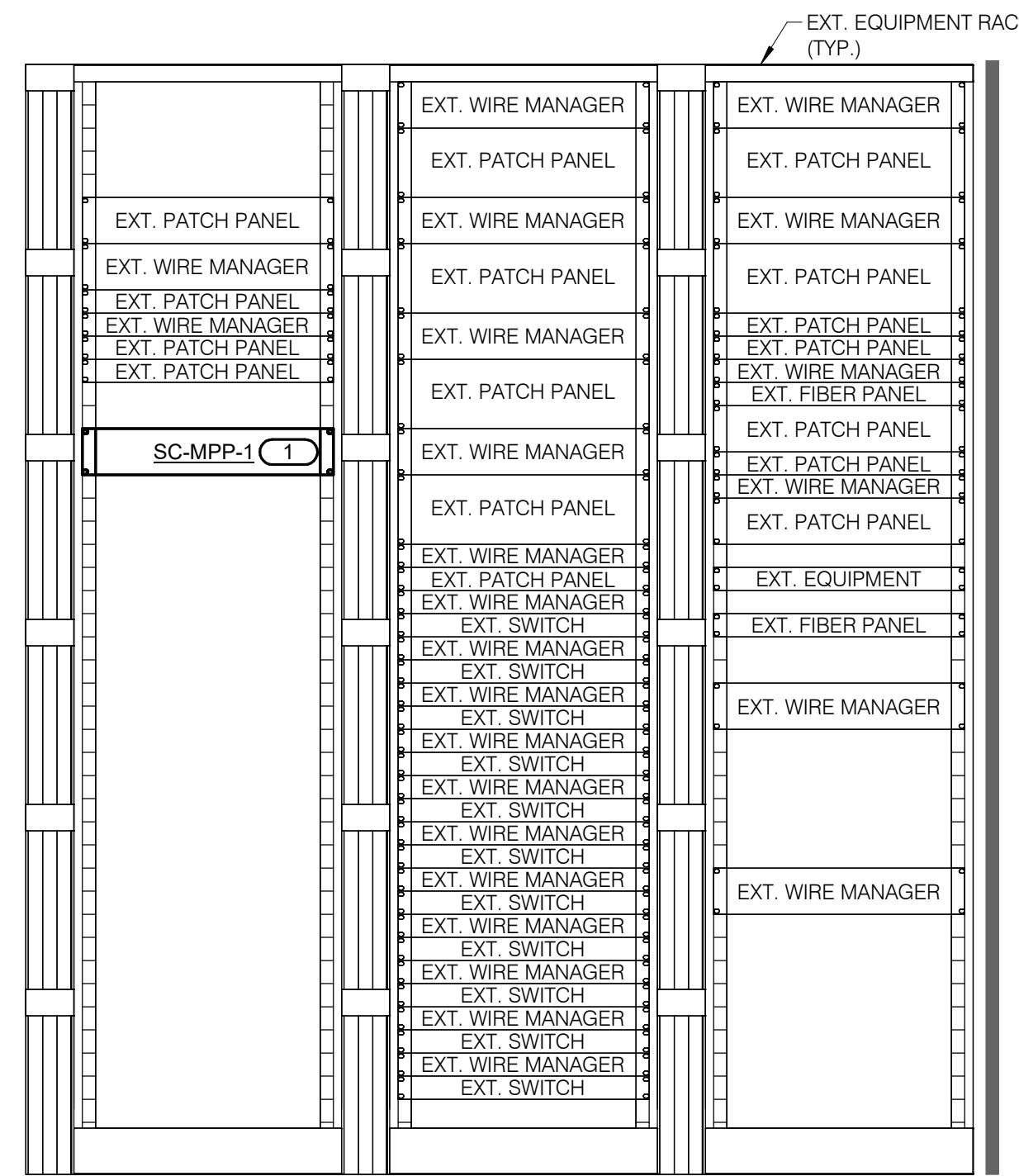
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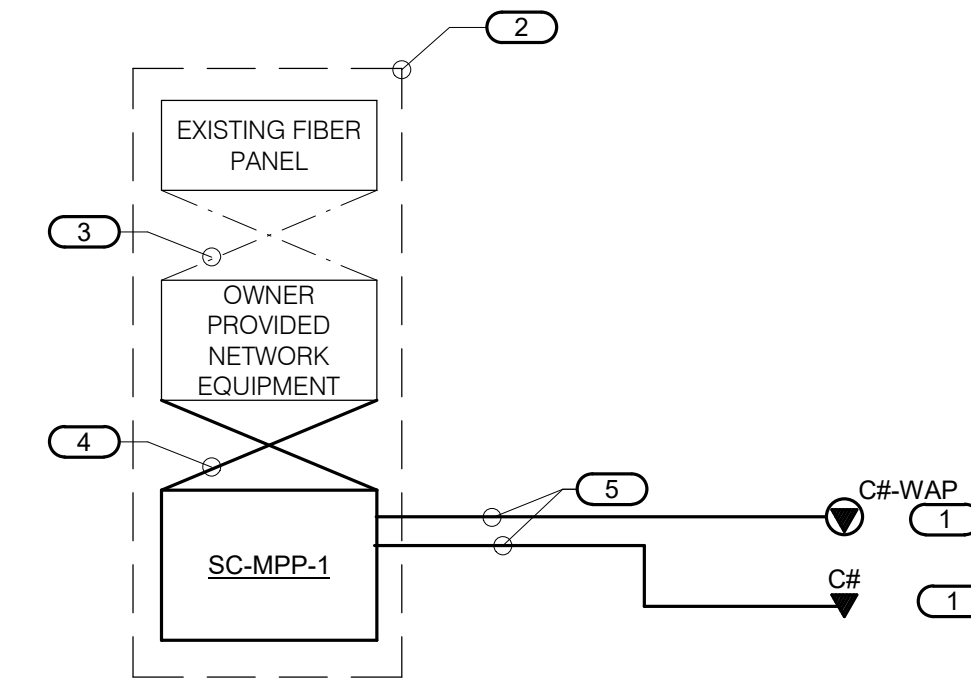
**1 EQUIPMENT ROOM LAYOUT - EXISTING IT**  
 1/4" = 1'-0"



**2 EQUIPMENT ROOM PATHWAY - EXISTING IT**  
 1/4" = 1'-0"



**3 EQUIPMENT RACK ELEVATION - EXISTING IT**  
 1" = 1'-0"



**NOTES:**  
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.  
 2. REFER TO FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.

**KEYNOTES:**  
 1. CH INDICATES VOICE/DATA FACEPLATE CONFIGURATION. REFER TO THE INFORMATION OUTLET SCHEDULE AND SPECIFICATION SECTION 27 15 00 FOR ADDITIONAL INFORMATION.  
 2. RACK(S) OR CABINET(S) AS DEFINED ON THE TELECOM ROOM LAYOUT. REFER TO THE TELECOM ROOM REFERENCES MATRIX ON THE COVERPAGE FOR LOCATION.  
 3. EXISTING FIBER PATCH CORDS.  
 4. RJ-45 TO RJ45 CATEGORY 6 UTP PATCH CORDS, REFER TO SPECIFICATIONS.  
 5. 4-PAIR, CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE, REFER TO SPECIFICATIONS.

**4 CONNECTIVITY RISER DIAGRAM - EXISTING IT**  
 NO SCALE

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 DKA PROJECT NO: 24-032



EXP 11/30/2025  
 02/18/2025

KEY PLAN:

SHEET STATUS: 02/18/2025

**ISSUED FOR BID - NOT FOR CONSTRUCTION**

NO. DESCRIPTION: DATE:

SHEET TITLE:  
**TECHNOLOGY ENLARGED PLANS**

SHEET NUMBER:

**T2.00**

2/17/2025 10:25:05 AM

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Illinois Design Firm Registration #19028976-014  
 REV. SCALE IN INCHES PROJECT #24007530-02



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**McHenry County College**  
**HEALTH SCIENCE 2024 RENOVATIONS**  
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 DKA PROJECT NO: 24-032



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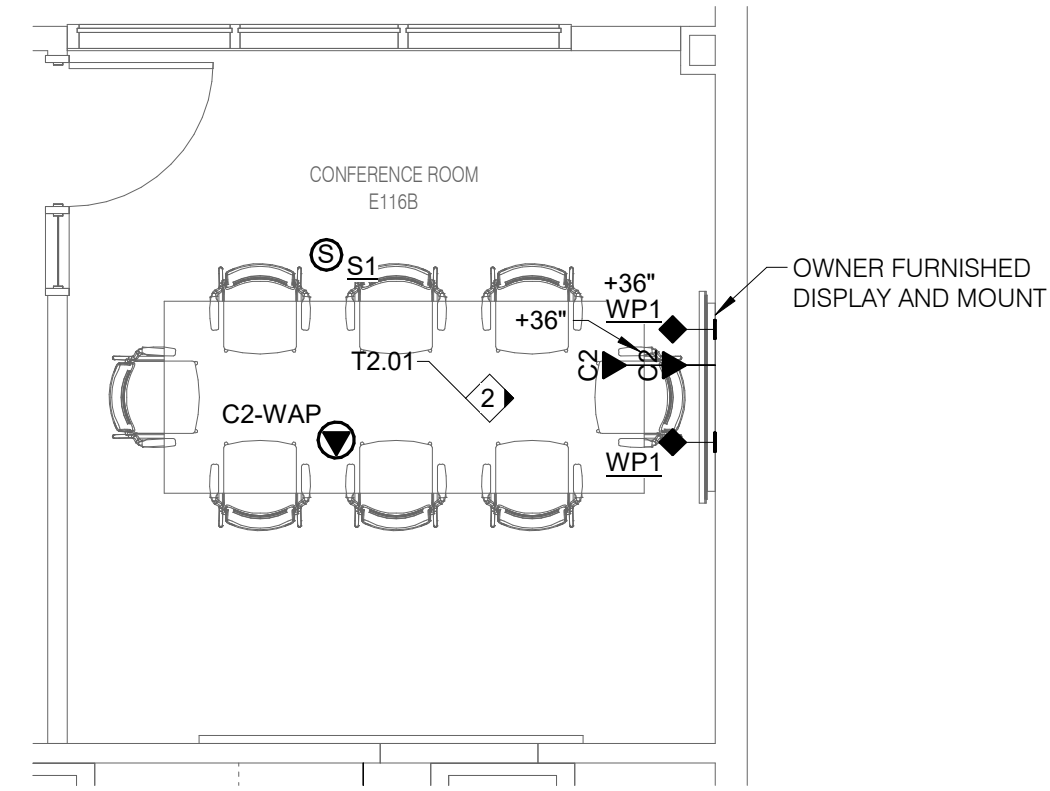
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SHEET TITLE:  
**TECHNOLOGY ENLARGED PLANS**

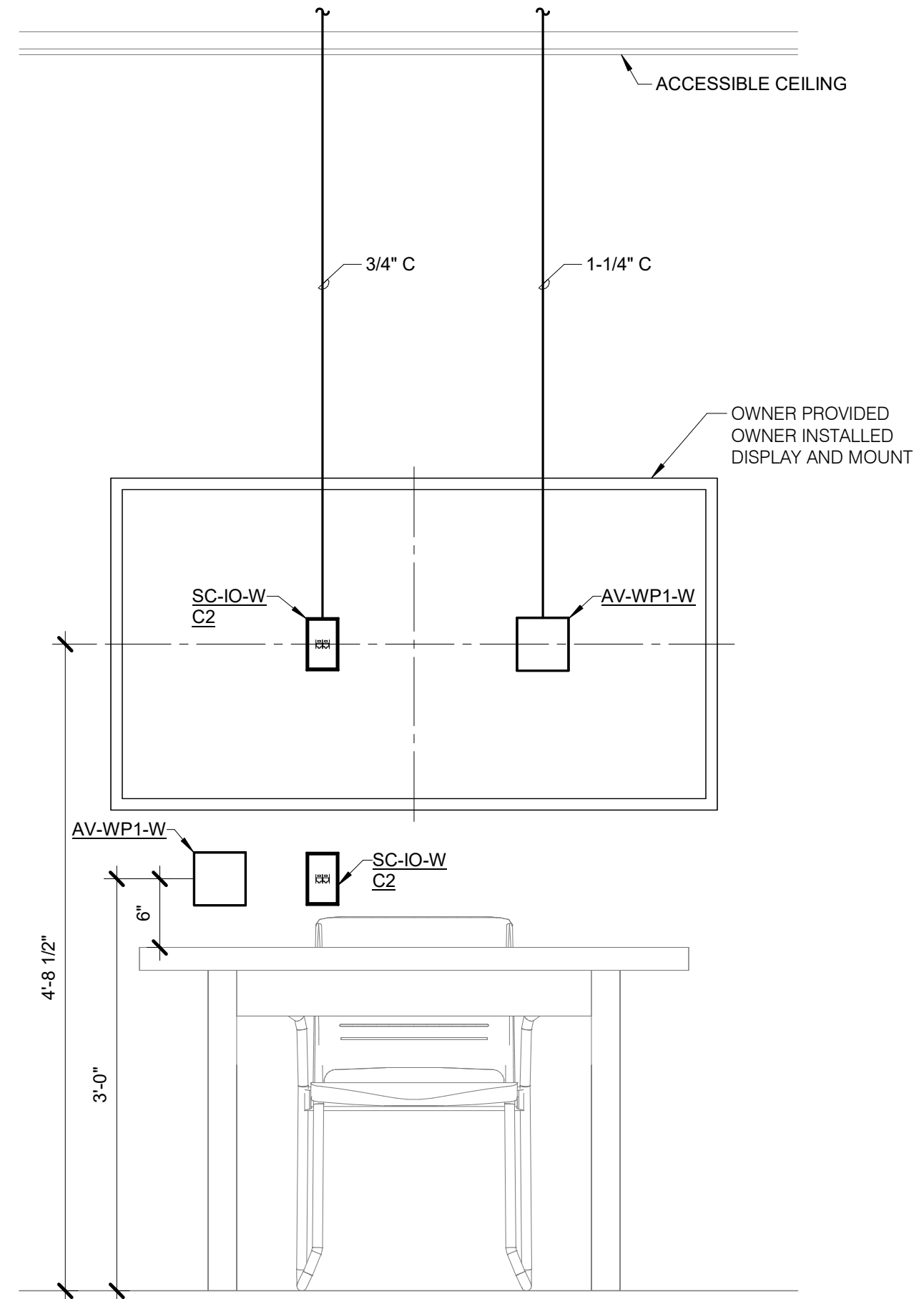
SHEET NUMBER:

**T2.01**

2/17/2025 10:25:06 AM



**1 ENLARGED PLAN - CONFERENCE ROOM**  
 1/4" = 1'-0"



**2 DISPLAY WALL ELEVATION**  
 1" = 1'-0"

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### TECHNOLOGY EQUIPMENT SCHEDULE

THE EQUIPMENT LIST ABBREVIATIONS AND THE TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.

CATALOG NUMBERS ARE NOT TO BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.

| EQUIPMENT LIST ABBREVIATION | EQUIPMENT LIST DESCRIPTION   | MANUFACTURER AND MODEL  |
|-----------------------------|--|---|
| AV-PRG-1                    | VIDEO PROJECTOR, OWNER PROVIDED OWNER INSTALLED.   | OWNER PROVIDED  |
| AV-PRO-MNT                  | PROJECTOR MOUNT, OWNER PROVIDED OWNER INSTALLED.   | OWNER PROVIDED  |
| AV-SP1-C                    | AUDIO VISUAL SPEAKER. 110 CONICAL COVERAGE. 6.5" LOW FREQUENCY WITH SILK DOME TWEETER. RATED AT 75 WATTS, 8 OHMS, AND 60 WATT MULTI-TAP TRANSFORMER. WHITE FINISH. PROVIDE WITH TILE BRIDGE OR DRYWALL TRIM RING. RESPONSE CURVE AT 500, 1000, 2000, 4000 AND 8000 Hz. AS WELL AS A FREQUENCY RESPONSE CURVE.  | JBL CONTROL 26CT<br>TANNOY COMMUNITY  |
| AV-VPS-1                    | VIDEO PROJECTION SCREEN, OWNER PROVIDED OWNER INSTALLED.   | OWNER PROVIDED  |
| AV-WP1-C                    | AV PLATE, CEILING MOUNT, OWNER PROVIDED OWNER INSTALLED.   | OWNER PROVIDED  |
| AV-WP1-W                    | AV PLATE, WALL MOUNT, OWNER PROVIDED OWNER INSTALLED.  | OWNER PROVIDED  |
| PA-S1-C                     | PROVIDE 4" SQUARE BACK BOX WITH SINGLE GANG PLASTER RING AND 1-1/4" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING.   | BOGEN S10772SPG8WVR<br>ATLAS SOUND VALCOM   |
| SC-IO-C                     | INFORMATION OUTLET, CEILING MOUNT, 2 PORT COVERPLATE AS INDICATED ON DRAWINGS.<br>"R" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO T5.00 FOR INFORMATION OUTLET SCHEDULE FOR PIN CONFIGURATION.<br>INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS (HUBBELL SF810A OR APPROVED EQUAL). | FACEPLATE:<br>HUBBELL IFP120W (2-PORT)<br>JACK:<br>HUBBELL HXJ6 SERIES<br>NO SUBSTITUTIONS                  |
| SC-IO-W                     | INFORMATION OUTLET, WALL MOUNT, 2.4 PORT COVERPLATE AS INDICATED ON DRAWINGS.<br>"R" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO T5.00 FOR INFORMATION OUTLET SCHEDULE FOR PIN CONFIGURATION.<br>INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS (HUBBELL SF810A OR APPROVED EQUAL).          | FACEPLATE:<br>HUBBELL IFP120W (2-PORT) IFP140W (4-PORT)<br>JACK:<br>HUBBELL HXJ6 SERIES<br>NO SUBSTITUTIONS |
| SC-MPP-1                    | MODULAR PATCH PANEL, RACK MOUNT, 48 MODULAR RJ-45 TERMINATIONS. MOUNTS DIRECTLY TO EIA/TIA STANDARD 19" RELAY RACK. PORT IDENTIFICATION NUMBERS, COLOR CODING AND LABEL HOLDER KITS, U.L. LISTED. REQUIRES (2) 1.75" MOUNTING SPACES.  | HUBBELL P6E48U<br>NO SUBSTITUTIONS  |
| SC-WAP-C                    | INFORMATION OUTLET, 2-PORT SURFACE MOUNT BOX AS INDICATED ON DRAWINGS.<br>"R" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO T5.00 FOR INFORMATION OUTLET SCHEDULE FOR PIN CONFIGURATION.<br>INSTALL A 3/4" EMT CONDUIT 6" BEYOND BOX AND TERMINATE WITH A NYLON BUSHING.  | FACEPLATE:<br>HUBBELL ISB2BK (2-PORT)<br>JACK:<br>HUBBELL HXJ6 SERIES<br>NO SUBSTITUTIONS                   |

### INFORMATION OUTLET SCHEDULE

**SINGLE GANG WALL PLATES**

NUMBER INDICATES FACEPLATE POSITION (TYP.)

REFER TO SPECIFICATIONS FOR IDENTIFICATION REQUIREMENTS (TYP.)

ANSI/TIA/EIA T568B PIN/PAIR ASSIGNMENT

**LEGEND**

|      |             |
|------|-------------|
| DATA | CAT 6 RJ-45 |
|------|-------------|

**NOTES:**

- PROVIDE REMOVABLE BLANK INSERT(S) FOR ALL UNUSED PORTS.
- REFER TO SPECIFICATIONS SECTION 27 05 53 FOR ADDITIONAL INFORMATION ON LABELING REQUIREMENTS.

**SCHEDULE NOTES:**

- LOCATION OF FUTURE OR OWNER PROVIDED WIRELESS ACCESS POINT. PROVIDE A 20' SLACK COIL AT THE NEAREST CABLE SUPPORT FOR POSSIBLE RELOCATION AFTER WIRELESS SURVEY.

| CONFIGURATION | FACEPLATE PORTS | FACEPLATE PORT IDENTIFICATION |                      |                      |                      |                      |                      | NOTES |
|---------------|-----------------|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------|
|               |                 | POSITION 1 JACK TYPE          | POSITION 2 JACK TYPE | POSITION 3 JACK TYPE | POSITION 4 JACK TYPE | POSITION 5 JACK TYPE | POSITION 6 JACK TYPE |       |
| C2            | 2               | DATA                          | DATA                 |                      |                      |                      |                      |       |
| C2-WAP        | 2               | DATA                          | DATA                 |                      |                      |                      |                      | 1.    |
| C4            | 4               | DATA                          | DATA                 | DATA                 | DATA                 |                      |                      |       |



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SHEET TITLE:  
**TECHNOLOGY SCHEDULES**

SHEET NUMBER:  
**T5.00**

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