



BRYANT & STRATTON - RENOVATION

S.A. PROJECT # 17033.05
DATE: 5-23-2022

180 REDTAIL ROAD, ORCHARD PARK, NY

ARCHITECT:

SILVESTRI ARCHITECTS, P.C.

1321 MILLERSPORT HIGHWAY, SUITE 101 AMHERST, NY 14221

MECHANICAL/ELECTRICAL/PLUMBING:

KROMAC DESIGN

10225 MAIN ST., SUITE 10B, CLARENCE, NY 14031

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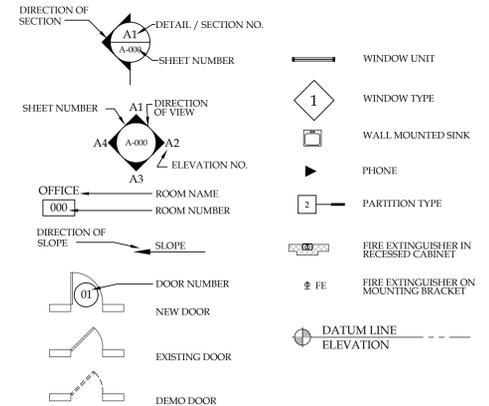
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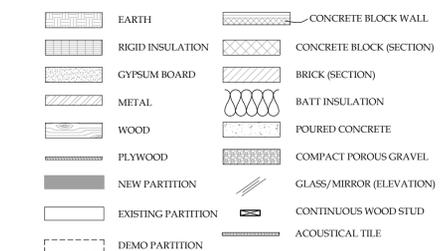
ABBREVIATIONS

| | | | |
|----------|--|-----------|--|
| A.F.F. | ABOVE FINISH FLOOR | N.I.C. | NOT IN CONTRACT |
| ACT. | ACTUAL | N.T.S. | NOT TO SCALE |
| A.C. | AIR CONDITION | NOM. | NOMINAL |
| ALU. | ALUMINUM | NO. | NUMBER |
| APPROX. | APPROXIMATE | O.C. | ON CENTER |
| ARCH. | ARCHITECTURAL | OPNG. | OPENING |
| AUTO. | AUTOMATIC | OPPH. | OPPOSITE HAND |
| | | OH | OVERHEAD |
| BM | BEAM | PMBC | PREENGINEERED METAL BUILDING CONTRACTOR PAINT (ED) |
| BRG | BEARING | PNT | PANEL |
| BLK | BLOCK | P.N.L. | PAPER TOWEL DISPENSER |
| BLKG | BLOCKING | P.L.D. | PAPER TOWEL RECEPTER |
| BD | BOARD | P.V.M.T. | PAVEMENT |
| BDT | BOTTOM | PC, BD | PLYWOOD |
| BRK | BRICK | PLAS. | PLASTER |
| B.E.J. | BRICK EXPANSION JOINT | P.LAM | PLASTIC LAMINATE |
| BLDG | BUILDING | PL | PLATE |
| BLUR | BUILT-UP ROOFING | PLD | POLISHED |
| | | PWD | PLYWOOD |
| CLG. | CEILING | PT | POINT |
| CAB | CABINET | PT | POINT |
| CPT | CARPET | PSF | POUNDS PER SQ. FOOT |
| C.S.W.K. | CASEWORK | P.F. | POWER PANEL |
| C.B. | CATCH BASIN | PRE. FAB. | PREFABRICATED |
| CEM. | CEMENT | PREF. | PREFINISHED |
| CT | CERAMIC TILE | PROP. | PROPERTY LINE |
| CHBD | CHALK BOARD | | |
| CLF | CLEAR | | |
| COL. | COLUMN | | |
| CONC. | CONCRETE | | |
| CMU | CONCRETE MASONRY UNIT | | |
| CONT. | CONTRACTOR | | |
| CONTR. | CONTRACTOR | | |
| CJT | CORNER JOINT | | |
| C.G. | CORNER GUARD | | |
| CRS | COURSE | | |
| | | QT | QUARRY TILE |
| DET. | DETAIL | RAD. | RADIUS |
| DIA. | DIAMETER | R.W.L. | RAIN WATER LEADER |
| DIM. | DIMENSION | RECPT. | RECEPTACLE, ELECTRIC |
| DRP. | DRAIN | REC. | RECESS |
| DN | DOWN | REFR. | REFRIGERATOR |
| DS | DOWNSPOUT | REIN. | REINFORCE (D) (ING) |
| DWG | DRAWING | RES | RECESS (ED) |
| D.F. | DRINKING FOUNTAIN | R.C.P. | REFLECTED CEILING PLAN |
| DIFF. | DIFFUSER | RA | RETURN AIR |
| | | RA | REVERSE |
| EA | EACH | REV | REVISION |
| EIPS | EXTERIOR INSULATION & FINISH SYSTEM | R | RIGHT HAND |
| ELEC | ELECTRICAL | ROW | RIGHT OF WAY |
| EPNL | ELECTRIC PANEL | R | RISER |
| EL | ELEVATOR | R.D. | ROOF DRAIN |
| ELEV. | ELEVATION | REG | ROOFING |
| EQ | EQUIPMENT | RM | ROOM |
| EX. | EXISTING | RND | ROUND |
| EXP. JT. | EXPANSION JOINT | | |
| FB | FACE BRICK | SOL. | SADDLE |
| FIN | FINISH (ED) | STG | SEATING |
| F.A. | FIRE ALARM | SHHH | SHEATHING |
| FHC | FIRE EXTINGUISHER CABINET | SHR | SHOWER |
| F.H.C. | FIRE HOSE CABINET | SIM | SIMILAR |
| F.P. | FIRE PROOFING | SPKR | SPEAKER |
| FL | FLOOR | SPEC | SPECIFICATIONS |
| F.D. | FLOOR DRAIN | SQ. | SQUARE |
| FT | FOOT | SST | STAINLESS STEEL |
| F.W.C. | FACE WALL COVERING | SP | STAND PIPE |
| FTC | FOOTING | STD | STANDARD |
| FDN | FOUNDATION | SD | STORM DRAIN |
| FUR | FURRING | S.C.T. | STRUCTURAL GLAZED TILE |
| | | STRUC. | STRUCTURAL |
| GAL. | GALLON | SUSP. | SUSPENDED |
| GA | GAGE | SW | SWITCH |
| G.C. | GENERAL CONTRACTOR | SWBD | SWITCH BOARD |
| GL | GLASS | SV | SHEET VINYL |
| G.B. | GRID BAR | | |
| G.W.B. | GYPSON WALL BOARD | | |
| GYP. | GYPSON | | |
| HDW | HARDWARE | T.B. | TACKBOARD |
| HD. WD. | HARDWOOD | TEL | TELEPHONE |
| HVAC | HEATING, VENTILATING, & AIR CONDITIONING | TEMP | TEMPERATURE |
| HT | HEIGHT | TEX. | TEXTURE |
| H.C. | HOLLOW CORE | THK | THICK (NESS) |
| HM | HOLLOW METAL | THR | THRESHOLD |
| HORIZ | HORIZONTAL | TP | TOILET PAPER HOLDER |
| HOB | HOSE BIB | T/O | TOP OF |
| H.W. | HOT WATER | TB | TOWEL BAR |
| | | TYP | TYPICAL |
| INSUL | INSULATE (D) (ION) | U.C.L. | UNDER CABINET LIGHT |
| INS. GL. | INSULATED GLASS | UR | UNDERCUT |
| INV | INVERT | | |
| JAN | JANITOR | | |
| JT | JOINT | | |
| KIT | KITCHEN | V.T.R. | VENT THRU ROOF |
| RO | KNOCK OUT | VENT | VENTILATOR |
| | | VERT | VERTICAL |
| LAM | LAMINATED | VEST | VESTIBULE |
| LAV | LAVATORY | V.C.T. | VINYL COMPOSITE TILE |
| LH | LEFT HAND | V.I.F. | VERIFY IN FIELD |
| LGT | LENGTH | V.W.C. | VINYL WALL COVERING |
| LGT | LIGHT | | |
| L.F. | LINEAR FEET | WSCT | WAINSCOT |
| LTL | LINE TIE | WS | WEATHER STRIP |
| LL | LINE LEAD | WT | WEIGHT |
| LLH | LONG LEG HORIZONTAL | WWF | WELDED WIRE FABRIC |
| LIV | LONG LEG VERTICAL | W.C.D.F. | WHEELCHAIR DRINKING FOUNTAIN |
| L.M.F. | LIGHT GAUGE METAL FRAMING | W | WITH |
| LVR | LOUVER | W/O | WITHOUT |
| L.P. | LOW POINT | WD | WOOD |
| MACH | MACHINE | | |
| M.H. | MANHOLE | | |
| MFR | MANUFACTURE | | |
| MAS | MASONRY | | |
| M.O. | MASONRY OPENING | | |
| MATL | MATERIAL | | |
| MAX | MAXIMUM | | |
| MECH | MECHANICAL | | |
| MEMB | MEMBRANE | | |
| MET | METAL | | |
| MIN | MINIMUM | | |
| MISC. | MISCELLANEOUS | | |
| MULL | MULLION | | |

DRAFTING SYMBOLS



MATERIAL SYMBOLS



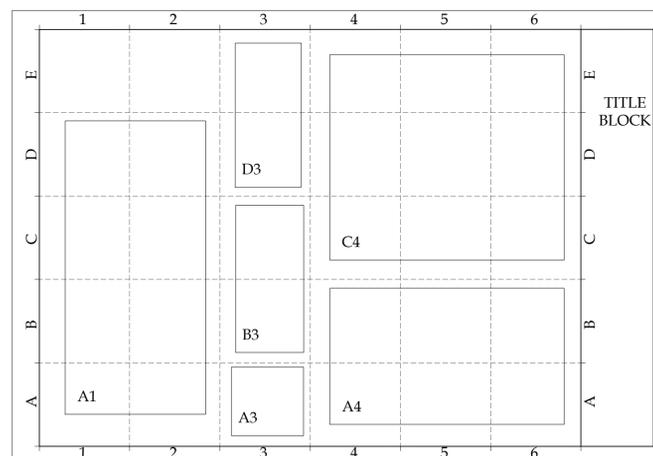
BUILDING DATA

OCCUPANCY CLASSIFICATION: B
CONSTRUCTION TYPE: 2B

ISSUE

2022-5-23: BID/PERMIT SET

DRAWING AREA LOGIC



SHEET IDENTIFICATION LOGIC

A-101

DISCIPLINE DESIGNATOR
SHEET TYPE DESIGNATOR
SEQUENCE NUMBER

DISCIPLINE DESIGNATOR SHEET TYPE DESIGNATOR

| | | | |
|---|-----------------|---|----------------------|
| G | GENERAL | 0 | GENERAL |
| C | CIVIL | 1 | PLANS |
| L | LANDSCAPE | 2 | ELEVATIONS |
| S | STRUCTURAL | 3 | SECTIONS |
| A | ARCHITECTURAL | 4 | LARGE SCALE VIEWS |
| F | FIRE PROTECTION | 5 | DETAILS |
| P | PLUMBING | 6 | SCHEDULES & DIAGRAMS |
| M | MECHANICAL | | |
| E | ELECTRICAL | | |

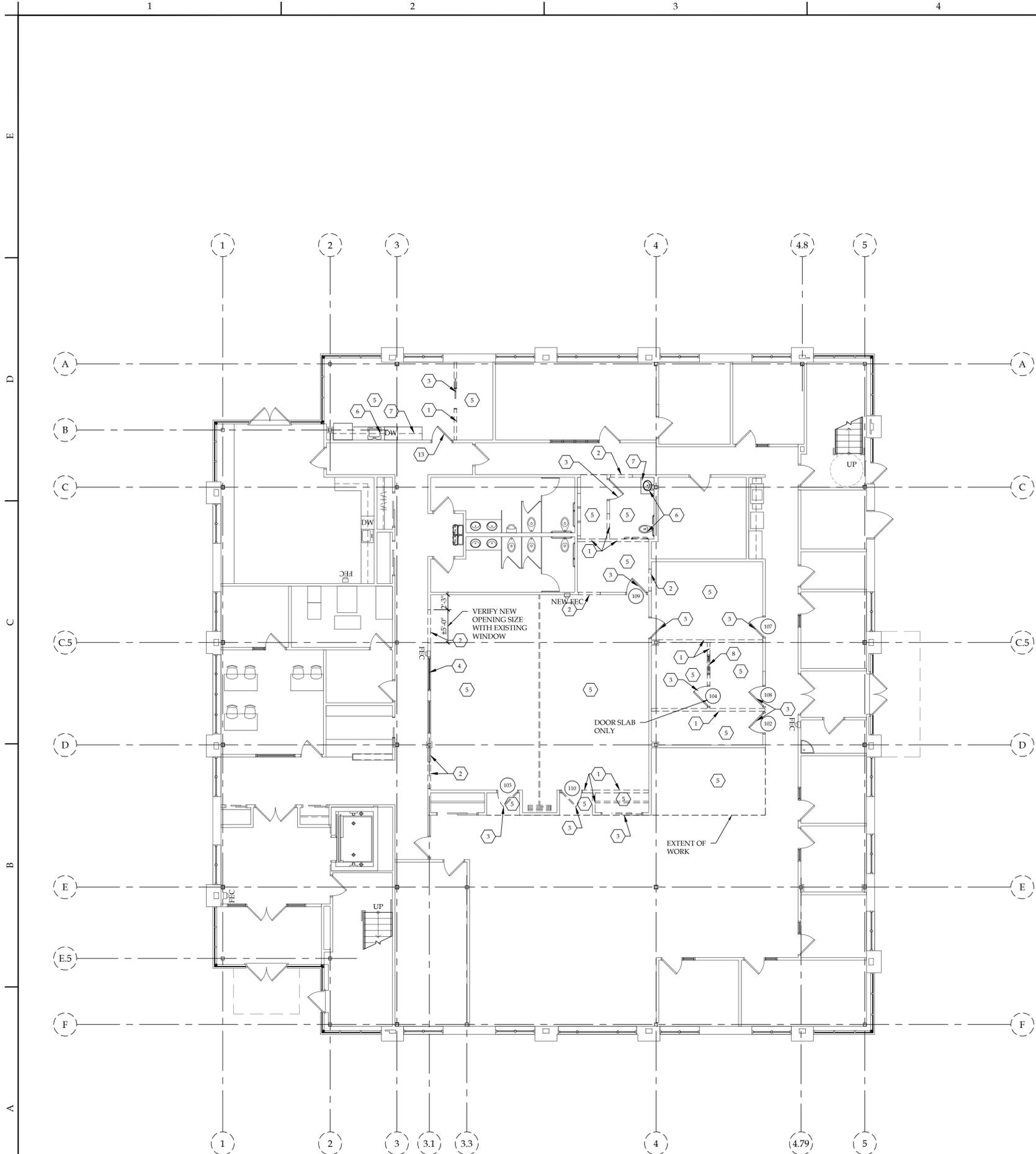
BRYANT & STRATTON - RENOVATION

180 REDTAIL RD. ORCHARD PARK, NY

SA PROJECT TEAM: PRINCIPAL: P.Silvestri PROJ. ARCHITECT: _____ JOB CAPTAIN: S.Hunt INTERIORS: N.Catuzza



S.A. PROJECT # 17033.05
DATE: 5-23-2022



A1 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"



DEMOLITION PLAN KEY NOTES: #

- REMOVE EXIST. WALL. PATCH/REPAIR ADJACENT WALL AS REQ'D. PREPARE ANY ELECTRICAL OUTLETS, EMERGENCY LIGHTING, THERMOSTATS, SWITCHES, ETC... FOR RELOCATION OR TERMINATION AS REQ'D
- REMOVE PORTION OF EXISTING WALL, PREPARE FOR NEW OPENING PER NEW FLOOR PLAN. PROVIDE NEW HEADER AND JAMB AS REQ'D. REWORK ELECTRICAL DEVICES, (OUTLETS, ETC.) AS REQ'D., (SEE ELECT. DWGS).
- REMOVE EXIST. DOOR, FRAME, & ASSOCIATED HARDWARE IN ITS ENTIRETY. PROTECT & STORE FOR REINSTALLATION. NO COMPONENTS ARE TO BE DISCARDED UNTIL ASSESSED AND COORDINATED WITH RE-INSTALLATION WORK. SUGGESTED DOOR RELOCATION NUMBER IS TAGGED. COORDINATE SALVAGE OF UNUSED COMPONENTS WITH OWNER.
- EXISTING WINDOW TO BE REMOVED AND RELOCATED IN ROOM PER FLOOR PROPOSED FLOOR PLAN.
- REMOVE EXIST. FLOORING, BASE AND ANY ADHESIVES. LEVEL AND PREP SUBFLOOR TO RECEIVE NEW FLOORING PER FINISH PLAN. SALVAGE EXISTING CARPET TILE WHERE OCCURS IN SUFFICIENT QUANTITIES FOR AREAS TO RECEIVE CARPET NOTED ON FINISH PLANS.
- EXISTING PLUMBING FIXTURE TO BE REMOVED. REPLACE/REMOVE/CAP/REWORK ALL WATER SUPPLY AND WASTE LINES PER PLUMBING DRAWINGS. INFILL & PATCH ALL FLOOR AND WALL AREAS TO MATCH EXISTING OR AS REQUIRED TO PREPARE FOR NEW FINISHES.
- EXISTING MILLWORK (BASE CABINETS, WALL MOUNTED CABINETS, BACKSLASH, COUNTERTOP, ETC.) TO BE REMOVED IN ITS ENTIRETY.
- EXISTING WINDOW TO BE REMOVED.
- REMOVE EXISTING LIGHTING AND ANY AND ALL SUSPENDED CEILING IN THEIR ENTIRETY. SALVAGE COMPONENTS AS NECESSARY FOR RE-WORK AREAS SHOWN ON PROPOSED REFLECTED CEILING PLAN.
- EXISTING GYP. BOARD SOFFIT OR CEILING TO BE REMOVED.
- CAREFULLY REMOVE PORTION OF EXISTING SUSPENDED CEILING AS NECESSARY TO ACCOMMODATE NEW WORK. SALVAGE COMPONENTS AS NECESSARY FOR RE-WORK AREAS SHOWN ON PROPOSED REFLECTED CEILING PLAN.
- EXISTING LIGHT FIXTURES TO BE REMOVED AND RELOCATED. PROTECT AND STORE FOR REINSTALLATION. REFER TO REFLECTED CEILING PLAN FOR NEW LAYOUT. COORDINATE SALVAGE OF UNUSED LIGHTING WITH OWNER.
- EXISTING DOOR SLAB TO BE REMOVED.

DEMOLITION NOTES

- GENERAL NOTES:
- IN GENERAL, ITEMS TO BE REMOVED ARE SHOWN DASHED. HOWEVER, CONTRACTOR SHALL REMOVE ALL ITEMS AS REQUIRED TO ALLOW FOR NEW CONSTRUCTION.
 - ALL ITEMS TO BE REMOVED SHALL BE RECYCLED WHERE FEASIBLE.
 - CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION TO READY THE SITE/FLOOR FOR NEW CONSTRUCTION.
 - CONTRACTOR TO REMOVE ALL EXISTING MILLWORK AND ANY INCORPORATED PLUMBING FIXTURES AS REQUIRED PER NEW PLAN.
 - CONTRACTOR TO REMOVE ANY REMAINING FLOORING FINISH MATERIALS FILL, PATCH & REPAIR AS REQUIRED PER NEW PLAN. CONTRACTOR TO REMOVE CORRESPONDING WALL BASE.
 - CONTRACTOR TO REMOVE EXISTING ABANDONED ELECTRIC, TELEPHONE, & DATA CABLING & DEVICES, AS WELL AS ANY OTHER FIXTURES AS REQUIRED TO ACCOMMODATE NEW WORK.
 - PRIOR TO DEMOLITION CONTRACTOR TO VERIFY W/ ARCHITECT WHAT, IF ANY, ITEMS ARE TO BE SALVAGED.
 - CONTRACTOR TO PROTECT ALL EXISTING FINISHES TO REMAIN DURING CONSTRUCTION AND REPLACE DAMAGED FINISHES AS REQUIRED.
 - CONTRACTOR TO VERIFY IN FIELD ANY ADDITIONAL DEMOLITION REQUIRED TO PREPARE AREA FOR NEW CONSTRUCTION PER PLANS.
 - CONTRACTOR TO CONTACT ARCHITECT TO INSPECT POST-DEMO CONDITIONS PRIOR TO THE START OF NEW CONSTRUCTION.
 - PREP ALL WALLS AND FRAMES FOR PAINT WHERE SPECIFIED.
 - CONTRACTOR TO VERIFY THE CONDITION OF ALL EXISTING DOORS & FRAMES WITH ARCHITECT IN ORDER FOR RE-USE. CONTRACTOR TO ADJUST DOOR OPERATIONS AS REQUIRED.
 - CONTRACTOR TO VERIFY THE CONDITION OF ALL EXISTING DOOR HARDWARE WITH ARCHITECT IN ORDER FOR RE-USE. CONTRACTOR TO ADJUST HARDWARE OPERATIONS AS REQUIRED.
 - CONTRACTOR TO REMOVE ALL BUT NOT LIMITED TO ALL EXISTING PLAQUES, SIGNAGE, WALL ART AND REPATCH WALL AND PREP FOR PAINTING AS REQUIRED.

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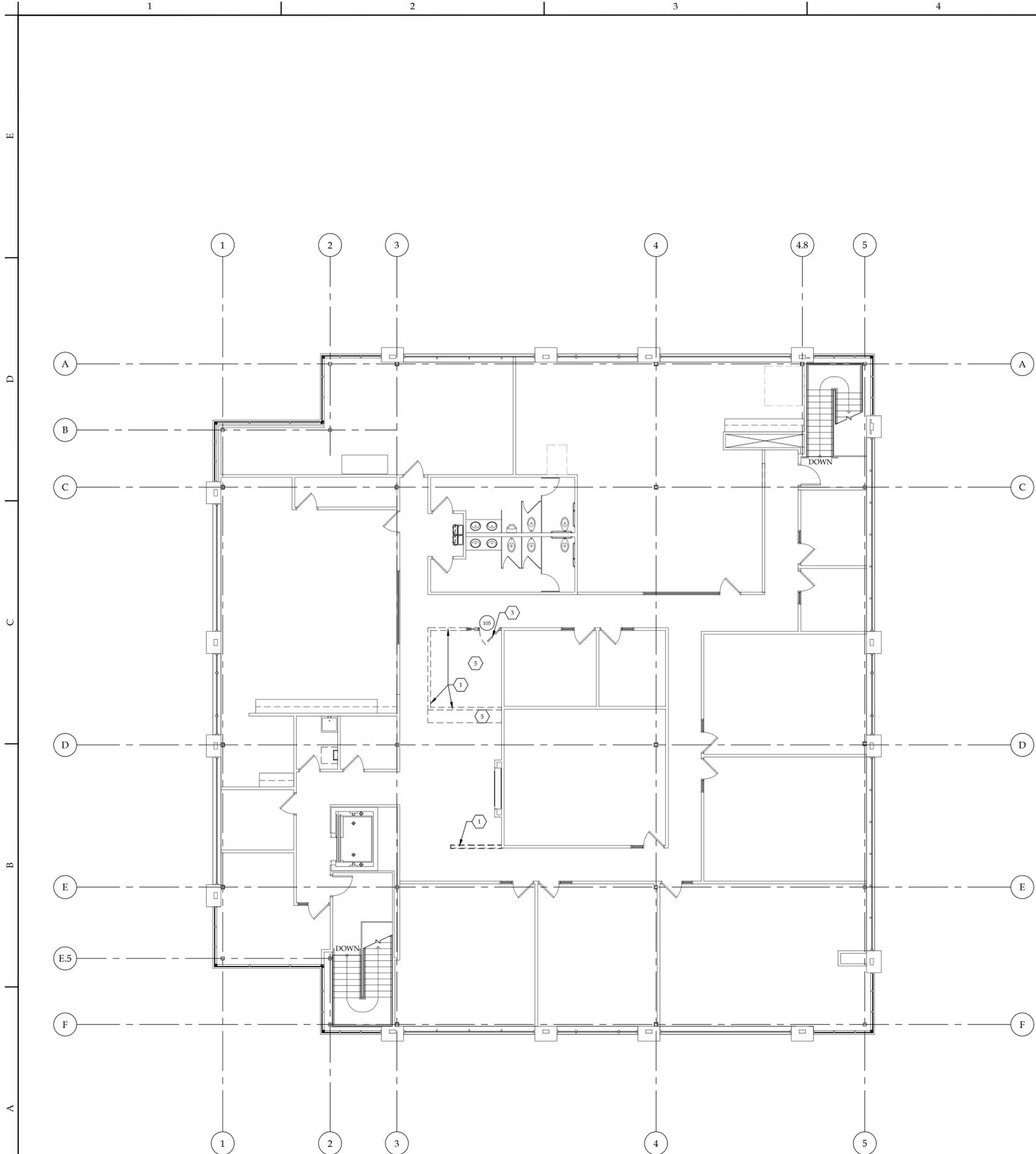
SEAL:

TITLE:
FIRST FLOOR DEMOLITION PLAN

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SA JOB #: 17033.05
DATE: 05-23-22

DRAWING #: AD-101



A1 SECOND FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"

DEMOLITION PLAN KEY NOTES: #

1. REMOVE EXIST. WALL; PATCH/REPAIR ADJACENT WALL AS REQ'D. PREPARE ANY ELECTRICAL OUTLETS, EMERGENCY LIGHTING, THERMOSTATS, SWITCHES, ETC... FOR RELOCATION OR TERMINATION AS REQ'D
2. REMOVE PORTION OF EXISTING WALL, PREPARE FOR NEW OPENING PER NEW FLOOR PLAN. PROVIDE NEW HEADER AND JAMB AS REQ'D. REWORK ELECTRICAL DEVICES, (OUTLETS, ETC.) AS REQ'D., (SEE ELECT. DWGS).
3. REMOVE EXIST. DOOR, FRAME, & ASSOCIATED HARDWARE IN ITS ENTIRETY. PROTECT & STORE FOR REINSTALLATION. NO COMPONENTS ARE TO BE DISCARDED UNTIL ASSESSED AND COORDINATED WITH RE-INSTALLATION WORK. SUGGESTED DOOR RELOCATION NUMBER IS TAGGED. COORDINATE SALVAGE OF UNUSED COMPONENTS WITH OWNER.
4. EXISTING WINDOW TO BE REMOVED AND RELOCATED IN ROOM PER FLOOR PROPOSED FLOOR PLAN.
5. REMOVE EXIST. FLOORING, BASE AND ANY ADHESIVES. LEVEL AND PREP SUBFLOOR TO RECEIVE NEW FLOORING PER FINISH PLAN. SALVAGE EXISTING CARPET TILE WHERE OCCURS IN SUFFICIENT QUANTITIES FOR AREAS TO RECEIVE CARPET NOTED ON FINISH PLANS.
6. EXISTING PLUMBING FIXTURE TO BE REMOVED. REPLACE/REMOVE/CAP/REWORK ALL WATER SUPPLY AND WASTE LINES PER PLUMBING DRAWINGS. INFILL & PATCH ALL FLOOR AND WALL AREAS TO MATCH EXISTING OR AS REQUIRED TO PREPARE FOR NEW FINISHES.
7. EXISTING MILLWORK (BASE CABINETS, WALL MOUNTED CABINETS, BACKSLASH, COUNTERTOP, ETC.) TO BE REMOVED IN ITS ENTIRETY.
8. EXISTING WINDOW TO BE REMOVED.
9. REMOVE EXISTING LIGHTING AND ANY AND ALL SUSPENDED CEILINGS IN THEIR ENTIRETY. SALVAGE COMPONENTS AS NECESSARY FOR RE-WORK AREAS SHOWN ON PROPOSED REFLECTED CEILING PLAN.
10. EXISTING GYP. BOARD SOFFIT OR CEILING TO BE REMOVED.
11. CAREFULLY REMOVE PORTION OF EXISTING SUSPENDED CEILINGS AS NECESSARY TO ACCOMMODATE NEW WORK. SALVAGE COMPONENTS AS NECESSARY FOR RE-WORK AREAS SHOWN ON PROPOSED REFLECTED CEILING PLAN.
12. EXISTING LIGHT FIXTURES TO BE REMOVED AND RELOCATED. PROTECT AND STORE FOR REINSTALLATION. REFER TO REFLECTED CEILING PLAN FOR NEW LAYOUT. COORDINATE SALVAGE OF UNUSED LIGHTING WITH OWNER.
13. EXISTING DOOR SLAB TO BE REMOVED.

DEMOLITION NOTES

- GENERAL NOTES:**
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JOB CAPT. INTERIORS N.Catuzza

SEAL:

TITLE:

**SECOND FLOOR
DEMOLITION
PLAN**

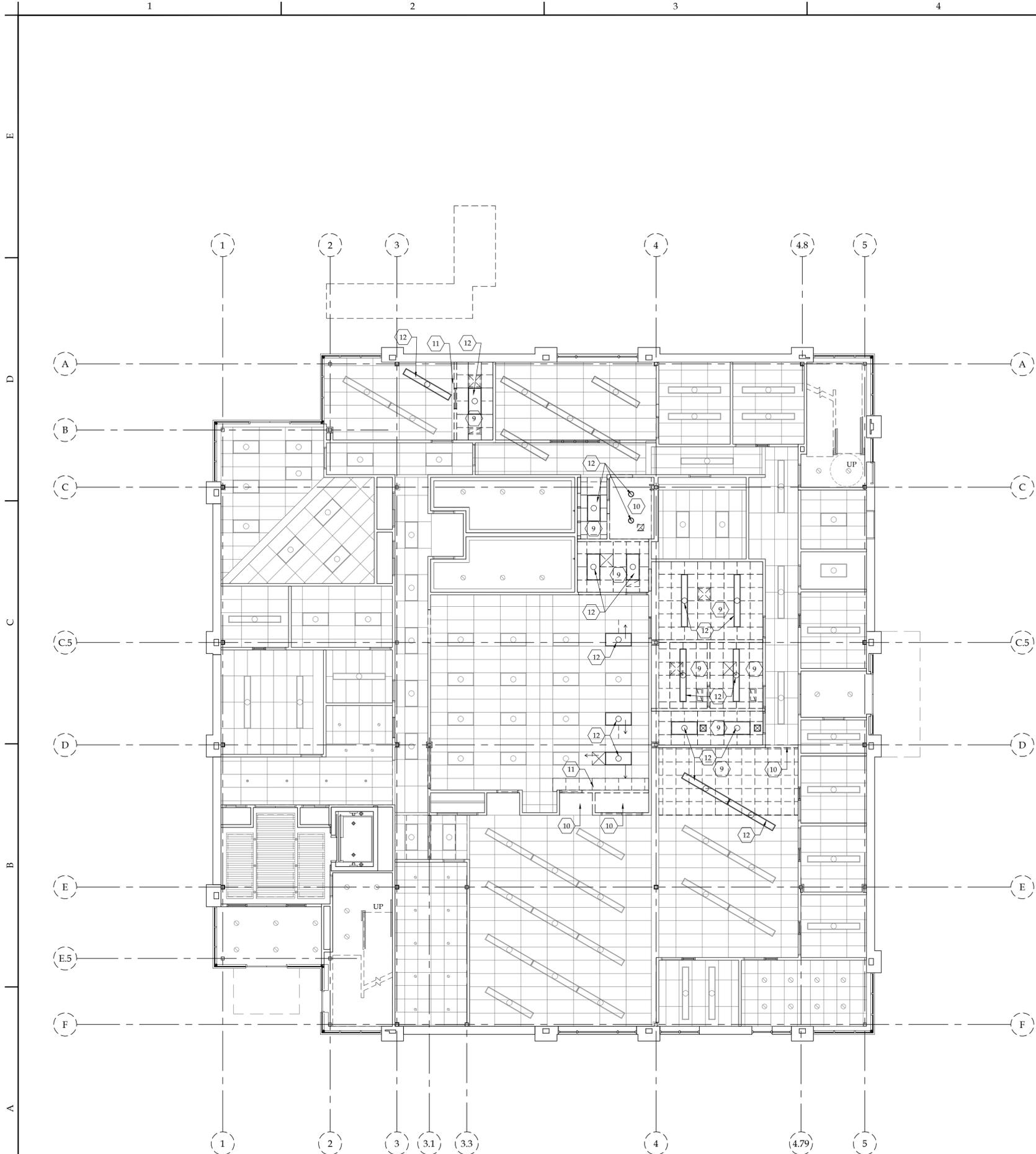


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SA JOB #: 17033.05 DATE: 05-23-22

DRAWING #: AD-102



DEMOLITION PLAN KEY NOTES: #

1. REMOVE EXIST. WALL; PATCH/REPAIR ADJACENT WALL AS REQ'D. PREPARE ANY ELECTRICAL OUTLETS, EMERGENCY LIGHTING, THERMOSTATS, SWITCHES, ETC... FOR RELOCATION OR TERMINATION AS REQ'D
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11. CAREFULLY REMOVE PORTION OF EXISTING SUSPENDED CEILING AS NECESSARY TO ACCOMMODATE NEW WORK. SALVAGE COMPONENTS AS NECESSARY FOR RE-WORK AREAS SHOWN ON PROPOSED REFLECTED CEILING PLAN.
12. EXISTING LIGHT FIXTURES TO BE REMOVED AND RELOCATED. PROTECT AND STORE FOR REINSTALLATION. REFER TO REFLECTED CEILING PLAN FOR NEW LAYOUT. COORDINATE SALVAGE OF UNUSED LIGHTING WITH OWNER.
13. EXISTING DOOR SLAB TO BE REMOVED.

DEMOLITION NOTES

- GENERAL NOTES:**
- IN GENERAL, ITEMS TO BE REMOVED ARE SHOWN DASHED. HOWEVER, CONTRACTOR SHALL REMOVE ALL ITEMS AS REQUIRED TO ALLOW FOR NEW CONSTRUCTION.
 - ALL ITEMS TO BE REMOVED SHALL BE RECYCLED WHERE FEASIBLE.
 - CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION TO READY THE SITE/FLOOR FOR NEW CONSTRUCTION.
 - CONTRACTOR TO REMOVE ALL EXISTING MILLWORK AND ANY INCORPORATED PLUMBING FIXTURES AS REQUIRED PER NEW PLAN.
 - CONTRACTOR TO REMOVE ANY REMAINING FLOORING FINISH MATERIALS FILL, PATCH & REPAIR AS REQUIRED PER NEW PLAN. CONTRACTOR TO REMOVE CORRESPONDING WALL BASE.
 - CONTRACTOR TO REMOVE EXISTING ABANDONED ELECTRIC, TELEPHONE, & DATA CABLING & DEVICES, AS WELL AS ANY OTHER FIXTURES AS REQUIRED TO ACCOMMODATE NEW WORK.
 - PRIOR TO DEMOLITION CONTRACTOR TO VERIFY W/ ARCHITECT WHAT, IF ANY, ITEMS ARE TO BE SALVAGED.
 - CONTRACTOR TO PROTECT ALL EXISTING FINISHES TO REMAIN DURING CONSTRUCTION AND REPLACE DAMAGED FINISHES AS REQUIRED.
 - CONTRACTOR TO VERIFY IN FIELD ANY ADDITIONAL DEMOLITION REQUIRED TO PREPARE AREA FOR NEW CONSTRUCTION PER PLANS.
 - CONTRACTOR TO CONTACT ARCHITECT TO INSPECT POST-DEMO CONDITIONS PRIOR TO THE START OF NEW CONSTRUCTION.
 - PREP ALL WALLS AND FRAMES FOR PAINT WHERE SPECIFIED.
 - CONTRACTOR TO VERIFY THE CONDITION OF ALL EXISTING DOORS & FRAMES WITH ARCHITECT IN ORDER FOR RE-USE. CONTRACTOR TO ADJUST DOOR OPERATIONS AS REQUIRED.
 - CONTRACTOR TO VERIFY THE CONDITION OF ALL EXISTING DOOR HARDWARE WITH ARCHITECT IN ORDER FOR RE-USE. CONTRACTOR TO ADJUST HARDWARE OPERATIONS AS REQUIRED.
 - CONTRACTOR TO REMOVE ALL BUT NOT LIMITED TO ALL EXISTING PLAQUES, SIGNAGE, WALL ART AND REPATCH WALL AND PREP FOR PAINTING AS REQUIRED.

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Bryant & Stratton
 180 Redtail
 Orchard Park NY

ISSUE:
 SA PROJECT TEAM: PRINCIPAL P.Silvestri
 PROJ. ARCH. S.Hunt DRAFTER
 JOB CAPT. INTERIORS N.Catuzza

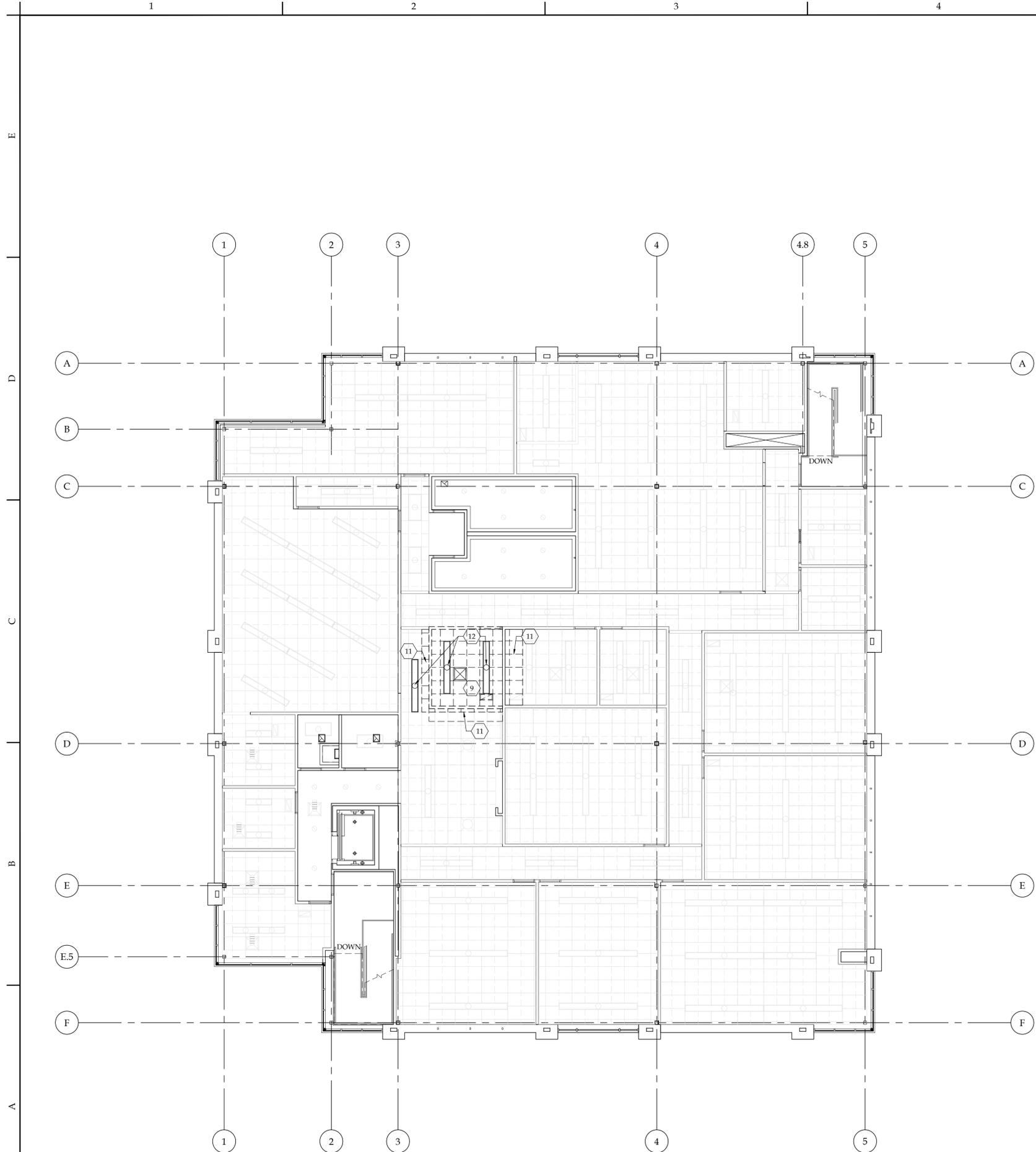
SEAL:
 TITLE:
FIRST FLOOR REFLECTING CEILING DEMOLITION PLAN



SA JOB #: 17033.05 DATE: 05-23-22

DRAWING #: AD-103

A1 FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN
 SCALE: 1/8"=1'-0"



- ON DEMOLITION AS REQ'D
2. REMOVE PORTION OF EXISTING WALL, PREPARE FOR NEW OPENING PER NEW FLOOR PLAN. PROVIDE NEW HEADER AND JAMB AS REQ'D. REWORK ELECTRICAL DEVICES, (OUTLETS, ETC.) AS REQ'D. (SEE ELECT. DWGS).
 3. REMOVE EXIST. DOOR, FRAME, & ASSOCIATED HARDWARE IN ITS ENTIRETY. PROTECT & STORE FOR REINSTALLATION. NO COMPONENTS ARE TO BE DISCARDED UNTIL ASSESSED AND COORDINATED WITH RE-INSTALLATION WORK. SUGGESTED DOOR RELOCATION NUMBER IS TAGGED. COORDINATE SALVAGE OF UNUSED COMPONENTS WITH OWNER.
 4. EXISTING WINDOW TO BE REMOVED AND RELOCATED IN ROOM PER FLOOR PROPOSED FLOOR PLAN.
 5. REMOVE EXIST. FLOORING, BASE AND ANY ADHESIVES. LEVEL AND PREP SUBFLOOR TO RECEIVE NEW FLOORING PER FINISH PLAN. SALVAGE EXISTING CARPET TILE WHERE OCCURS IN SUFFICIENT QUANTITIES FOR AREAS TO RECEIVE CARPET NOTED ON FINISH PLANS.
 6. EXISTING PLUMBING FIXTURE TO BE REMOVED. REPLACE/REMOVE/CAP/REWORK ALL WATER SUPPLY AND WASTE LINES PER PLUMBING DRAWINGS. INFILL & PATCH ALL FLOOR AND WALL AREAS TO MATCH EXISTING OR AS REQUIRED TO PREPARE FOR NEW FINISHES.
 7. EXISTING MILLWORK (BASE CABINETS, WALL MOUNTED CABINETS, BACKSLASH, COUNTERTOP, ETC.) TO BE REMOVED IN ITS ENTIRETY.
 8. EXISTING WINDOW TO BE REMOVED.
 9. REMOVE EXISTING LIGHTING AND ANY AND ALL SUSPENDED CEILINGS IN THEIR ENTIRETY. SALVAGE COMPONENTS AS NECESSARY FOR RE-WORK AREAS SHOWN ON PROPOSED REFLECTED CEILING PLAN.
 10. EXISTING GYP. BOARD SOFHT OR CEILING TO BE REMOVED.
 11. CAREFULLY REMOVE PORTION OF EXISTING SUSPENDED CEILINGS AS NECESSARY TO ACCOMMODATE NEW WORK. SALVAGE COMPONENTS AS NECESSARY FOR RE-WORK AREAS SHOWN ON PROPOSED REFLECTED CEILING PLAN.
 12. EXISTING LIGHT FIXTURES TO BE REMOVED AND RELOCATED. PROTECT AND STORE FOR REINSTALLATION. REFER TO REFLECTED CEILING PLAN FOR NEW LAYOUT. COORDINATE SALVAGE OF UNUSED LIGHTING WITH OWNER.
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- DEMOLITION NOTES**
- GENERAL NOTES:
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 - CONTRACTOR TO REMOVE ALL BUT NOT LIMITED TO ALL EXISTING PLAQUES, SIGNAGE, WALL ART AND REPATCH WALL AND PREP FOR PAINTING AS REQUIRED.

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
 PROJ. ARCH. S.Hunt DRAFTER _____
 JOB CAPT. _____ INTERIORS N.Catuzza

SEAL:

TITLE:
**SECOND FLOOR
 REFLECTED
 CEILING
 DEMOLITION
 PLAN**

SILVESTRI
 ARCHITECTS • PC

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SA JOB #: 17033.05 DATE: 05-23-22

DRAWING #: AD-104

A1 SECOND FLOOR REFLECTED CEILING DEMOLITION PLAN
 SCALE: 1/8"=1'-0"



GENERAL NOTES

- CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE NEW YORK STATE BUILDING CODES, OSHA STANDARDS AND FIRE SAFETY CODE / RELEVANT SECTIONS OF THE N.F.P.A. & ANY LOCAL CODES BEING MORE RESTRICTIVE THAN THE MINIMUMS LISTED.
- CONSTRUCTION MEANS, METHODS, TECHNIQUES AND CRAFTSMANSHIP ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. G.C. SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. CONTACT ARCHITECT IF MAJOR DISCREPANCIES OCCUR BETWEEN DRAWINGS AND EXISTING CONDITIONS.
- THE CONTRACTOR IS REQUIRED TO INSPECT THE PROJECT SITE IN ORDER TO DETERMINE THE EXTENT OF THE REQUIRED WORK. THIS INSPECTION SHALL BE COMPLETED PRIOR TO THE SUBMISSION OF ANY PROPOSAL, TO COMPLETE THIS PROJECT. INSPECTION TIMES SHALL BE COORDINATED WITH THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL INFORMATION ON THE DRAWINGS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF THE RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF THE WORK. THESE DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTIONS AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATION TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL BID & PERFORM THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS.
- ALL DIMENSIONS SHOWN FOR EXISTING STRUCTURES ARE BASED ON RECORD DRAWINGS AND FIELD MEASUREMENTS. THE CONTRACTOR IS ADVISED THAT SAID DRAWINGS MAY NOT ACCURATELY REFLECT AS BUILT CONDITIONS. ACCURATE FIELD MEASUREMENTS SHOULD BE MADE PRIOR TO ORDERING ANY PREFABRICATED MATERIALS. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND SHALL BE REFLECTED ON THE CONTRACTOR'S SHOP DRAWINGS.
- THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS FOR THIS PROJECT WILL BE COMPLETED TO THE SCOPE OF THE PROJECT IN COMPLIANCE WITH THE OWNER AND DESIGN TEAM. ANY CHANGES TO THESE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS WILL ONLY BE DONE BY A CHANGE ORDER THAT IS APPROVED BY THE OWNER'S REPRESENTATIVE.
- CONSIDERATION WILL NOT BE GRANTED FOR ANY ALLEGED MISUNDERSTANDINGS AS TO THE AMOUNT AND / OR SCOPE OF WORK TO BE PERFORMED. TENDER OF PROPOSAL SHALL CONVEY FULL AGREEMENT TO THE TERMS, AND CONDITIONS INDICATED IN THE CONSTRUCTION DOCUMENTS. SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONSTRUCTION DOCUMENTS OR BE IN DOUBT AS TO THE INTENT THEREOF, THE CONTRACTOR SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO SUBMITTING A PROPOSAL FOR THE WORK.
- ALL OWNER SUPPLIED ITEMS WILL BE COORDINATED WITHIN THE GENERAL CONTRACTOR'S CONSTRUCTION SCHEDULES PRIOR TO COMMENCEMENT OF ANY WORK.
- THE CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE WITH THE OWNER FOR ALL BUILDING AND CONSTRUCTION SIGNAGE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF HIS WORK AND SCHEDULE WITH WORK BEING PERFORMED BY OTHERS AND THE USER / OWNER OF THE BUILDING.
- ALL DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE. DO NOT SCALE DRAWINGS. ALL DIMENSIONS ARE TO FACE OF CONCRETE OR MASONRY, CENTERLINE OF COLUMNS AND BEAMS, AND FINISH TO FINISH, UNLESS OTHERWISE NOTED.
- THE STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING WORK. ANY DISCREPANCIES BETWEEN THE ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO PROCEEDING WITH SAID WORK.
- DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SOME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
- CONTRACTOR SHALL VERIFY AND ESTABLISH THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES WITHIN THE WORK AREA, AND SHALL COORDINATE WITH THE OWNER AND THE UTILITY COMPANIES PRIOR TO THE START OF THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE ALL SHORING AND BRACING REQUIRED TO ADEQUATELY PROTECT PERSONAL AND ADJACENT PROPERTY AND TO INSURE SAFETY OF THE STRUCTURE THROUGHOUT THE CONSTRUCTION PERIOD.
- ALL CEILING HEIGHTS AS SHOWN ON DETAILS OR PLANS OR NOTES ARE FROM TOP OF CONCRETE DECK TO FINISH CEILING. USE OF THE TERM ABOVE FINISH FLOOR (A.F.F.) MEANS MEASURED FROM THE TOP OF CONCRETE DECK. CONTRACTOR SHALL ALLOW FOR AND COORDINATE WORK WITH FLOOR FINISH MATERIAL AND INSTALLATION METHOD.
- PROVIDE INDEPENDENT SUSPENSION FOR ALL LIGHT FIXTURES. SUSPENSION FOR CEILING AND LIGHT FIXTURES SHALL BE INDEPENDENT OF SUSPENSION FOR DUCT WORK.
- ALL EQUIPMENT AND MATERIALS INSTALLED IN THIS JOB SHALL BE NEW AND FREE OF ANY DEFECTS UNLESS OTHERWISE NOTED.
- CONTRACTORS SHALL RECORD ALL DEVIATIONS FROM THE DESIGN DOCUMENTS IN THE DRAWINGS, AND PROVIDE A COPY TO THE ARCHITECT UPON THE COMPLETION OF WORK.
- PROVIDE APPROVED SEPARATION BY MEANS OF COATINGS, GASKETS, OR OTHER EFFECTIVE MEANS TO PREVENT GALVANIC CORROSION BETWEEN ALL DISSIMILAR METALS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS OF THIS PROJECT TO ADJACENT PROPERTY, UTILITIES, PAVEMENT, LANDSCAPING, STRUCTURES OR IMPROVEMENTS OF ANY KIND. THE GENERAL CONTRACTOR SHALL REPAIR ALL SUCH DAMAGE ITEMS TO THE CONDITION THEY WERE IN PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES OR BETTER.
- WHERE IT IS NECESSARY TO INSURE STABILITY, CONTRACTOR IS TO PROVIDE ADDITIONAL ANCHORING AND/OR BLOCKING IN STUD PARTITIONS OR BRACE PARTITIONS ABOVE CEILINGS.
- THE NAME OF THE SPECIAL INSPECTION FIRM SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PRIOR TO THE START OF WORK.
- CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND CONDITIONS BEFORE SUBMITTING SHOP DRAWINGS AND BEFORE COMMENCING WORK.
- UNLESS OTHERWISE NOTED, EXTEND ALL NEW INSULATION TO THE FACE OF THE EXTERIOR WALL / ROOF; EXTEND ALL FINISHES IN INSULATED AREAS TIGHT TO DECK / SURFACE, TO HOLD INSULATION IN PLACE.
- REPAIR ALL AREAS DISTURBED BY THE WORK OF THIS PROJECT, INCLUDING SUBSTRATES OR STRUCTURAL REPAIRS; AND REPAIRS TO FINISHES TO MATCH AND ALIGN WITH EXISTING FINISHES TO REMAIN.
- UNLESS OTHERWISE INDICATED, EXTEND ALL NEW INTERIOR FIRE RATED WALLS, AND ALL NEW FRAMING TO DECK ABOVE.
- FIRESTOP ALL FRAMED PARTITIONS AS REQUIRED BY CODE.
- MAINTAIN THE INTEGRITY OF THE BUILDINGS STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SAFETY CONDITIONS UNCOVERED DURING DEMOLITION AND DURING NEW CONSTRUCTION WHICH WERE NOT ADDRESSED IN THE CONSTRUCTION DOCUMENTS.

GENERAL WALL NOTES

- FIELD VERIFY DIMENSIONS BEFORE BEGINNING WITH CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES. DO NOT SCALE DRAWINGS.
- DIMENSION NOTES, FINISHES AND FIXTURES SHOWN ON TYPICAL PLANS, SECTIONS OR DETAILS SHALL APPLY TO SIMILAR, SYMMETRICAL, OR OPPOSITE PLANS, SECTIONS OR DETAILS.
- PROVIDE SEALANT AROUND WINDOWS, DOOR JAMBS AND HEADS, AND ADJACENT CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, CONCEALED WITHIN THE WALLS, FOR ATTACHMENT OF SURFACE AND/OR RECESSED MOUNTED EQUIPMENT OR ACCESSORIES, WHETHER SHOWN IN THE DRAWINGS OR NOT. BLOCKING TO BE FIRE RETARDANT.
- NEW CONSTRUCTION THAT MEETS OR CONNECTS WITH EXISTING CONSTRUCTION SHALL ALIGN EXACTLY.
- ALL DIMENSIONS SHOWN ON THE PLAN ARE FROM FINISH TO FINISH, UNLESS NOTED OTHERWISE.
- GC TO TAKE PROPER PRECAUTIONS AS TO PROTECT EXISTING CEILING TILE GRID IN ADJACENT SPACES FROM DAMAGE DURING CONSTRUCTION. ALL NEW SUSPENDED CEILING TILE GRID, BULKHEADS, ETC. SHALL BE SUSPENDED FROM THE STRUCTURAL DECK ABOVE.
- REMOVE ALL EXISTING ELECTRICAL WIRING, ELECTRICAL OUTLETS, FLOOR MOUNTED OUTLET DEVICES, SPECIAL EQUIPMENT OUTLET DEVICES CONNECTIONS, AND SWITCHES IN DEMOLISHED AND FURRED-OUT WALLS INCLUDED UNDER DEMOLITION WORK AND AS NECESSARY TO ACCOMPLISH THE TOTAL SCOPE OF WORK. COORDINATE WITH THE ELECTRICAL DRAWINGS.
- ALL DOOR SWINGS TO BE VERIFIED PRIOR TO INSTALLING LIGHT SWITCHES. SWITCHES SHALL BE ON LEVER SIDE OF DOOR AND SHALL BE 42" A.F.F. IN CASE OF CONFLICT NOTIFY ARCHITECT PRIOR TO INSTALLATION. EACH ENCLOSED AREA TO HAVE SEPARATE LIGHT SWITCH.
- COORDINATE WITH PARTITION, FURNITURE AND MILLWORK FOR ANY CONFLICT IN LOCATION AND DIMENSION OF POWER OUTLETS.
- COORDINATE ELECTRICAL DEVICE INSTALLATION WITH ALL TRADES. COORDINATION OF MILLWORK, ELECTRICAL PLANS, FURNITURE PLANS AND UNFORESEEN EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD. ANY CONFLICTS WITH THE DRAWINGS AND/OR EXISTING CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT'S / HIS REPRESENTATIVES ATTENTION.

SOUND INSULATION NOTES

- ASSEMBLIES SHOULD BE AIRTIGHT. HAIRLINE CRACKS AND HOLES ARE NOT ALLOWED.
- RECESSED WALL FIXTURES SUCH AS CABINETS, OUTLETS, AND OTHER ITEMS WHICH PENETRATE THE GYPSUM BOARD SURFACE SHOULD NOT BE LOCATED BACK TO BACK IN THE SAME STUD CAVITY.
- ANY OPENINGS CUT FOR ANY FIXTURES SHALL BE CAREFULLY CUT TO SIZE, PROPERLY FASTENED, INSULATED PER WALL ASSEMBLY AND PROPERLY CAULKED.
- THE ENTIRE PERIMETER OF A SOUND INSULATING ASSEMBLY MUST BE MADE AIRTIGHT TO PREVENT SOUND FROM "FLANKING".
- AN ACOUSTICAL SEALANT SHOULD BE USED TO SEAL BETWEEN THE SOUND INSULATING ASSEMBLY AND ALL DISSIMILAR ASSEMBLIES AND BETWEEN THE ASSEMBLY AND SIMILAR SURFACES WHERE PERIMETER RELIEF IS REQUIRED. TAPING AND CAULKING OF GYPSUM BOARD WALL AND WALL-CEILING INTERSECTIONS PROVIDES AN ADEQUATE AIR SEAL AT THESE LOCATIONS.
- ALL SEALANTS IN RATED WALL LOCATIONS REFERENCED IN THE WALL TYPE DETAILS SHALL BE SELECTED AND INSTALLED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE UNDERWRITERS LABORATORIES, INC FIRE RESISTANCE DIRECTORY. IN ADDITION TO FIRE RESISTANCE, WALL LOCATIONS CALLED OUT WITH REQUIRED ACOUSTICAL VALUE, AS NOTED IN WALL SCHEDULE, SHALL HAVE SEALANTS THAT MAINTAIN THE MINIMUM SOUNDS VALUE OF THE WALL PARTITION.
- ASTM RECOMMENDED PRACTICES E-497 SHOULD BE FOLLOWED FOR GOOD SOUND CONTROL. ALSO CONSULT THE MANUFACTURER OF THE GYPSUM BOARD FOR ANY SPECIAL RECOMMENDATIONS RELATING TO THEIR SYSTEM.

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Bryant & Stratton
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SEAL:

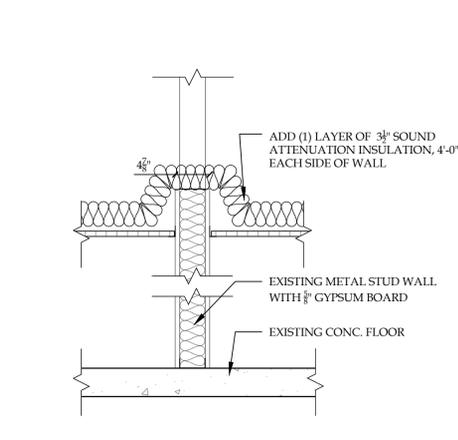
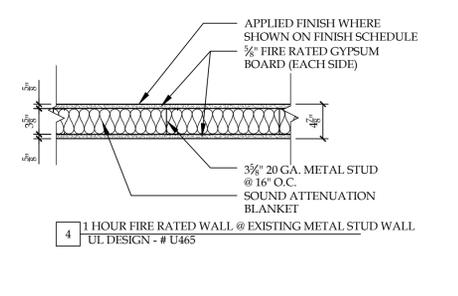
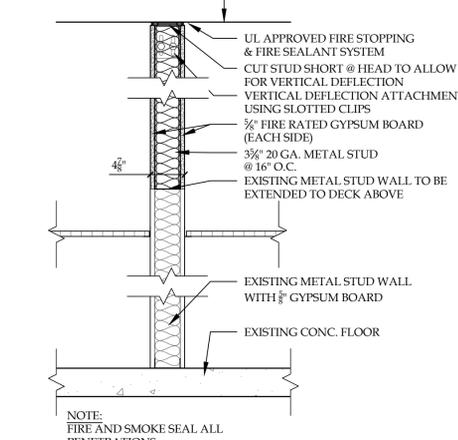
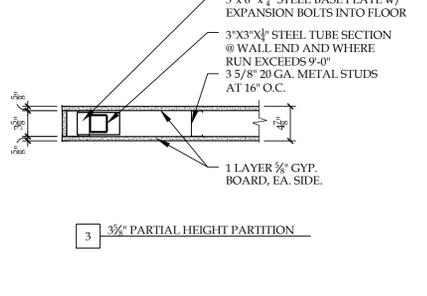
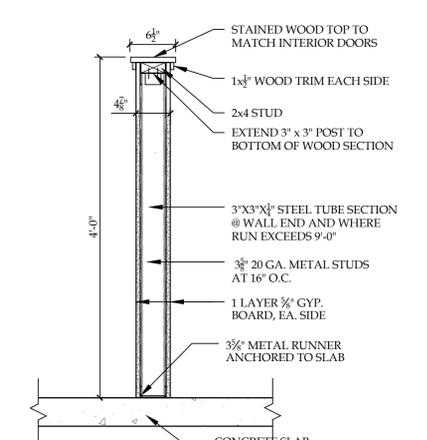
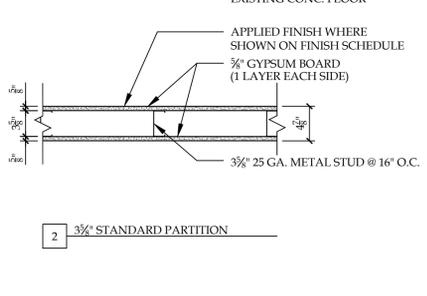
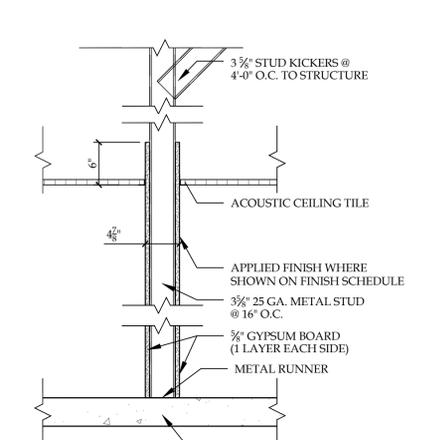
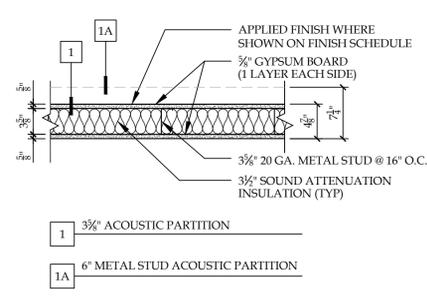
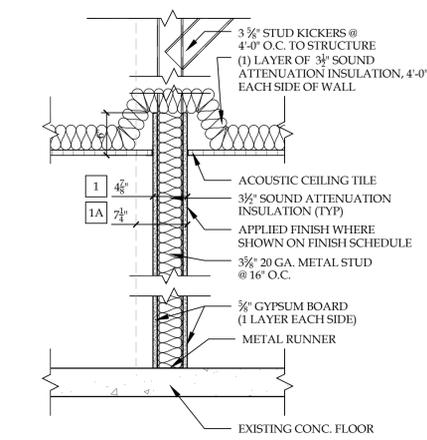
TITLE:
GENERAL NOTES & PARTITION TYPES



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SA JOB #: 17033.04 DATE: _____

DRAWING #: **A-001**



A1 PARTITION TYPES
SCALE: 1" = 1'-0"

604.9.6 Grab Bars. Grab bars shall comply with Section 609. Side wall grab bars complying with Section 604.5.1 located on the wall closest to the water closet, and a rear wall grab bar complying with Section 604.5.2, shall be provided.

604.10 Ambulatory Accessible Compartments.

604.10.1 General. Ambulatory accessible compartments shall comply with Section 604.10.

604.10.2 Size. The minimum area of an ambulatory accessible compartment shall be 60 inches minimum in depth and 36 inches in width.

604.10.3 Doors. Toilet compartment doors, including door hardware, shall comply with Section 405, except if the approach is to the latch side of the compartment door the clearance between the door side of the compartment and any obstruction shall be 42 inches minimum. The door shall be self-closing. A door pull complying with Section 402.2.6 shall be placed near the latch.

604.10.4 Grab Bars. Grab bars shall comply with Section 609. Side wall grab bars complying with Section 604.5.1 shall be provided on both sides of the compartment.

604.11 Water Closets and Toilet Compartments for Children's Use.

604.11.1 General. Accessible water closets and toilet compartments primarily for children's use shall comply with Section 604.11.

604.11.2 Location. The water closet primarily for children's use shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 12 inches (305 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition. Water closets located in ambulatory accessible toilet compartments specified in Section 604.10 shall be located as specified in Section 604.2.

604.11.3 Clearance. A clearance around the water closet primarily for children's use complying with Section 604.3 shall be provided.

604.11.4 Height. The height of water closet seats primarily for children's use shall be 11 inches minimum and 17 inches maximum above the floor, measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.11.5 Grab Bars. Grab bars for water closets primarily for children's use shall comply with Section 604.5.

604.11.6 Flush Controls. Flush controls primarily for children's use shall be hand operated or automatic. Hand operated flush controls shall comply with Sections 309.2 and 309.4 and shall be installed 36 inches maximum above the floor. Flush controls shall be located on the open side of the water closet.

EXCEPTION: In ambulatory accessible compartments complying with Section 604.10, flush controls shall be permitted to be located on either side of the water closet.

604.11.7 Dispensers. Toilet paper dispensers primarily for children's use shall comply with Section 309.2. The outlet of dispensers shall be located within an area 24 inches minimum and 42 inches maximum from the rear wall. The outlet of the dispenser shall be 14 inches minimum and 19 inches maximum above the floor. There shall be a clearance of 1 1/2 inches minimum below the grab bar. Dispensers shall not be of a type that control delivery or do not allow continuous paper flow.

604.11.8 Toilet Compartments. Toilet compartments primarily for children's use shall comply with Sections 604.9 and 604.10, as applicable.

605 Urinals

605.1 General. Accessible urinals shall comply with Section 605.

605.2 Height and Depth. Urinals shall be of the stall type or of the wall hanging type with the rim at 17 inches maximum above the floor. Wall hung urinals shall be 13 1/2 inches minimum in depth measured from the outer face of the urinal rim to the wall.

605.3 Clear Floor Space. A clear floor space complying with Section 305, positioned for forward approach, shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 309.

606 Lavatories and Sinks

606.1 General. Accessible lavatories and sinks shall comply with Section 606.

606.2 Clear Floor Space. A clear floor space complying with Section 305.3, positioned for forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The dip of the overflow shall not be considered in determining knee and toe clearances.

EXCEPTIONS:

1. A parallel approach complying with Section 305 and centered on the sink, shall be permitted to a kitchen sink in a space where a cook top or conventional range is not provided.

2. The requirement for knee and toe clearance shall not apply to a lavatory in a toilet or bathing facility for a single occupant, accessed only through a private office and not for common use or public use.

3. A knee clearance of 24 inches minimum above the floor shall be permitted at lavatories and sinks used primarily by children ages 6 through 12 where the rim or counter surface is 31 inches maximum above the floor.

4. A parallel approach complying with Section 305 and centered on the sink, shall be permitted at lavatories and sinks used primarily by children ages 5 and younger.

5. The requirement for knee and toe clearance shall not apply to more than one bowl of a multibowl sink.

6. A parallel approach complying with Section 305 and centered on the sink, shall be permitted at wet bars.

606.3 Height. The front of lavatories and sinks shall be 34 inches maximum above the floor, measured to the highest of the rim or counter surface.

EXCEPTION: A lavatory in a toilet or bathing facility for a single occupant, accessed only through a private office and not for common use or public use, shall not be required to comply with Section 606.3.

606.4 Faucets. Faucets shall comply with Section 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.5 Lavatories with Enhanced Reach Range. Where enhanced reach range is required at lavatories, faucets and soap dispenser controls shall have a reach depth of 11 inches maximum or, if automatic, shall be activated within a reach depth of 11 inches maximum. Water and soap flow shall be provided with a reach depth of 11 inches maximum.

606.6 Exposed Pipes and Scares. Water supply and drainpipes under lavatories and sinks shall be insulated or otherwise be configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

607 Bathubs

607.1 General. Accessible bathubs shall comply with Section 607.

607.2 Clearance. A clearance in front of bathubs measuring the length of the bathub and 30 inches minimum in depth shall be provided. Where a permanent seat is provided at the head end of the bathub, the clearance shall extend 12 inches minimum beyond the wall at the head end of the bathub.

607.3 Seat. A permanent seat at the head end of the bathub or a removable in-tub seat shall be provided. Seats shall comply with Section 610.

607.4 Grab Bars. Grab bars shall comply with Section 609 and shall be provided in accordance with Section 607.4.1 or 607.4.2.

EXCEPTION: Grab bars shall not be required to be installed in a bathing facility for a single occupant accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 607.4.

607.4.1 Bathubs with Permanent Seats. For bathubs with permanent seats, grab bars complying with Section 607.4.1 shall be provided.

607.4.1.1 Back Wall. Two horizontal grab bars shall be provided on the back wall, one complying with Section 609.4 and the other located 8 inches minimum and 10 inches maximum above the rim of the bathub. Each grab bar shall be located 15 inches maximum from the head end wall and extend 12 inches maximum from the control end wall.

607.4.1.2 Control End Wall. Control end wall grab bars shall comply with Section 607.4.1.2.

EXCEPTION: An L-shaped continuous grab bar of equivalent dimensions and positioning shall be permitted to serve the function of separate vertical and horizontal grab bars.

607.4.1.2.1 Horizontal Grab Bar. A horizontal grab bar 24 inches minimum in length shall be provided on the control end wall beginning near the front edge of the bathub and extending toward the inside corner of the bathub.

607.4.1.2.2 Vertical Grab Bar. A vertical grab bar 18 inches minimum in length shall be provided on the control end wall 1 inches minimum and 6 inches maximum above the horizontal grab bar, and 4 inches maximum inward from the front edge of the bathub.

607.4.2 Bathubs without Permanent Seats. For bathubs without permanent seats, grab bars complying with Section 607.4.2 shall be provided.

607.4.2.1 Back Wall. Two horizontal grab bars shall be provided on the back wall, one complying with Section 609.4 and the other located 8 inches minimum and 10 inches maximum above the rim of the bathub. Each grab bar shall be located 12 inches maximum from the head end wall and extend 12 inches maximum from the control end wall.

607.4.2.2 Control End Wall. Control end wall grab bars shall comply with Section 607.4.2.2.

607.4.2.3 Head End Wall. A horizontal grab bar 12 inches minimum in length shall be provided on the head end wall at the front edge of the bathub.

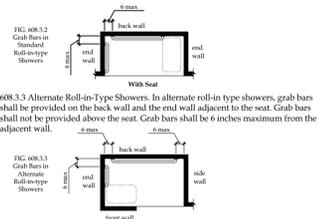
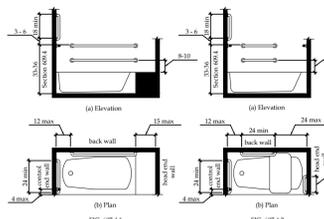


FIG. 608.2 Alternate Roll-In Type Shower Compartments

FIG. 608.3 Standard Roll-In Type Shower Compartments

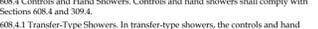
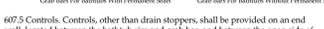


FIG. 608.4 Transfer-Type Shower Compartments

FIG. 608.5 Transfer-Type Shower Compartments

608.5 Controls. Controls, other than drain stoppers, shall be provided on an end wall, located between the bathtub rim and grab bar, and between the open side of the bathtub and the centerline of the width of the bathtub. Controls shall comply with Section 309.4.

607.6 Hand Shower. A hand shower with a hose 59 inches minimum in length, that can be used as both a fixed shower head and as a hand shower, shall be provided. The hand shower shall have a control with a nonpositive shut-off feature. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as not to obstruct the use of grab bars.

607.7 Bathub Enclosures. Enclosures for bathubs shall not obstruct controls, faucets, shower and spray units or obstruct transfer from wheelchairs onto bathubs seats or into bathubs. Enclosures on bathubs shall not have tracks installed on the rim of the bathub.

607.8 Water Temperature. Bathubs shall deliver water that is 120°F maximum.

608 Shower Compartments

608.1 General. Accessible shower compartments shall comply with Section 608.1.

608.2 Size, clearance and seat. Shower compartments shall have sizes, clearances and seats complying with Section 608.2.

608.2.1 Transfer-Type Shower Compartments. Transfer-type shower compartments shall comply with Section 608.2.1.

608.2.2 Standard Roll-In Type Shower Compartments. Standard roll-in-type shower compartments shall comply with Section 608.2.2.

608.2.3 Alternate Roll-In Type Shower Compartments. Alternate roll-in-type shower compartments shall comply with Section 608.2.3.

608.2.4 Hand Showers. A hand shower with a hose 59 inches minimum in length, that can be used both as a fixed shower head and as a hand shower shall be provided. The hand shower shall have a control with a nonpositive shut-off feature. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as not to obstruct the use of grab bars.

EXCEPTION: In other than Accessible units and Type A units, a fixed shower head located 48 inches maximum above the shower floor shall be permitted in lieu of a hand shower.

608.6 Thresholds. Thresholds in roll-in-type shower compartments shall be 1/2 inch maximum in height in accordance with Section 303. In transfer-type shower compartments, thresholds 1/2 inch maximum in height shall be beveled, rounded, or vertical.

EXCEPTION: In existing facilities, in transfer-type shower compartments where provision of a threshold 1/2 inch in height would disturb the structure, reinforcement of the floor slab, a threshold 2 inches maximum in height shall be provided.

608.7 Shower Enclosures. Shower compartment enclosures for shower compartments shall not obstruct controls or obstruct transfer from wheelchairs onto shower seats. 608.8 Water Temperature. Showers shall deliver water that is 120°F (49°C) maximum.

609 Grab Bars

609.1 General. Grab bars in accessible toilet or bathing facilities shall comply with Section 609.

609.2 Cross Section. Grab bars shall have a cross section complying with Section 609.2.1 or 609.2.2.

609.2.1 Circular Cross Section. Grab bars with a circular cross section shall have an outside diameter of 1 1/2 inches minimum and 2 inches maximum.

609.2.2 Noncircular Cross Section. Grab bars with a noncircular cross section shall have a cross section dimension of 1 1/2 inches maximum, and a perimeter dimension of 4 inches minimum and 4.8 inches maximum.

609.3 Spacing. The space between the wall and the grab bar shall be 1 1/2 inches. The space between the grab bar and projecting objects below and at the ends of the grab bar shall be 1 1/2 inches minimum. The space between the grab bar and projecting objects above the grab bar shall be 12 inches minimum.

EXCEPTIONS:

1. The space between the grab bars and shower controls, shower fittings, and other grab bars above the grab bar shall be permitted to be 1 1/2 inches minimum.

2. Recessed dispensers projecting from the wall 1/4 inch maximum measured from the face of the dispenser and complying with Section 604.7 shall be permitted within the 12-inch space above and the 1 1/2 inch spaces below and at the ends of the grab bar.

3. Grab bars at water closets primarily for children's use shall comply with Section 609.4.2.

609.4 Position of Children's Grab Bars. At water closets primarily for children's use complying with Section 604.11, grab bars shall be installed in a horizontal position 18 inches minimum and 27 inches maximum above the floor measured to the top of the gripping surface or shall be installed as required by Items 1 through 3.

EXCEPTION: Grab bars are not required to be installed in a shower for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 609.3.

609.3.1 Transfer-Type Showers. Grab bars for transfer type showers shall comply with Section 609.3.1.

609.3.2 Standard Roll-In Type Showers. In standard roll-in type showers, a grab bar shall be provided on the control end wall beginning at the edge of the seat. The grab bar shall not be provided above the seat.

609.3.3 Hand Showers. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.

609.6 Fittings. Grab bars shall not rotate within their fittings.

609.7 Installation and Configuration. Grab bars shall be installed in any manner that provides a gripping surface that is not standard in this standard and does not exceed the clear floor space. Horizontal and vertical grab bars shall be permitted to be separate bars, a single piece bar, or combination thereof.

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used where a vertical or horizontal force of 250 pounds is applied at any point on the grab bar, fastener mounting device, or supporting structure.

609.9 Surface Hazards. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.

609.10 Grab Bars. Grab bars shall be installed in a horizontal position, 33 inches minimum and 36 inches maximum above the floor measured to the top of the gripping surface or shall be installed as required by Items 1 through 3.

EXCEPTION: Grab bars are not required to be installed in a shower for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 609.3.

609.3.1 Transfer-Type Showers. Grab bars for transfer type showers shall comply with Section 609.3.1.

609.3.2 Standard Roll-In Type Showers. In standard roll-in type showers, a grab bar shall be provided on the control end wall beginning at the edge of the seat. The grab bar shall not be provided above the seat.

609.3.3 Hand Showers. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.

609.6 Fittings. Grab bars shall not rotate within their fittings.

609.7 Installation and Configuration. Grab bars shall be installed in any manner that provides a gripping surface that is not standard in this standard and does not exceed the clear floor space. Horizontal and vertical grab bars shall be permitted to be separate bars, a single piece bar, or combination thereof.

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used where a vertical or horizontal force of 250 pounds is applied at any point on the grab bar, fastener mounting device, or supporting structure.

609.9 Surface Hazards. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.

609.10 Grab Bars. Grab bars shall be installed in a horizontal position, 33 inches minimum and 36 inches maximum above the floor measured to the top of the gripping surface or shall be installed as required by Items 1 through 3.

EXCEPTION: Grab bars are not required to be installed in a shower for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 609.3.

609.3.1 Transfer-Type Showers. Grab bars for transfer type showers shall comply with Section 609.3.1.

609.3.2 Standard Roll-In Type Showers. In standard roll-in type showers, a grab bar shall be provided on the control end wall beginning at the edge of the seat. The grab bar shall not be provided above the seat.

609.3.3 Hand Showers. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.

609.6 Fittings. Grab bars shall not rotate within their fittings.

609.7 Installation and Configuration. Grab bars shall be installed in any manner that provides a gripping surface that is not standard in this standard and does not exceed the clear floor space. Horizontal and vertical grab bars shall be permitted to be separate bars, a single piece bar, or combination thereof.

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used where a vertical or horizontal force of 250 pounds is applied at any point on the grab bar, fastener mounting device, or supporting structure.

609.9 Surface Hazards. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.

609.10 Grab Bars. Grab bars shall be installed in a horizontal position, 33 inches minimum and 36 inches maximum above the floor measured to the top of the gripping surface or shall be installed as required by Items 1 through 3.

EXCEPTION: Grab bars are not required to be installed in a shower for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 609.3.

609.3.1 Transfer-Type Showers. Grab bars for transfer type showers shall comply with Section 609.3.1.

609.3.2 Standard Roll-In Type Showers. In standard roll-in type showers, a grab bar shall be provided on the control end wall beginning at the edge of the seat. The grab bar shall not be provided above the seat.

609.3.3 Hand Showers. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.

609.6 Fittings. Grab bars shall not rotate within their fittings.

609.7 Installation and Configuration. Grab bars shall be installed in any manner that provides a gripping surface that is not standard in this standard and does not exceed the clear floor space. Horizontal and vertical grab bars shall be permitted to be separate bars, a single piece bar, or combination thereof.

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used where a vertical or horizontal force of 250 pounds is applied at any point on the grab bar, fastener mounting device, or supporting structure.

609.9 Surface Hazards. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.

609.10 Grab Bars. Grab bars shall be installed in a horizontal position, 33 inches minimum and 36 inches maximum above the floor measured to the top of the gripping surface or shall be installed as required by Items 1 through 3.

610 Seats

610.1 General. Seats in accessible bathubs and shower compartments shall comply with Section 610.

610.2 Bathub Seats. The height of bathub seats shall be 17 inches minimum and 19 inches maximum above the bathroom floor, measured to the top of the seat. Removable in-tub seats shall be 15 inches minimum above the floor, and minimum in depth. Removable in-tub seats shall be capable of secure placement. Permanent seats shall be 15 inches minimum in depth and shall extend from the back wall to or beyond the outer edge of the bathub. Permanent seats shall be positioned at the head end of the bathub.

610.3 Shower Compartment Seats. The height of shower compartment seats shall be 17 inches minimum and 19 inches maximum above the bathroom floor, measured to the top of the seat. In transfer-type and alternate roll-in-type showers, the seat shall extend along the seat wall to a point within 5 inches of the compartment entry. In standard roll-in-type showers, the seat shall extend from the control wall to a point within 3 inches of the compartment entry. Seats shall comply with Section 610.3.1 or 610.3.2.

610.3.1 Rectangular Seats. The rear edge of a rectangular seat shall be 2 1/2 inches maximum and the front edge 15 inches minimum and 16 inches maximum from the seat wall. The side edge of the seat shall be 1 1/2 inches maximum from the back wall of a transfer-type shower and 1 1/4 inches maximum from the control wall of a roll-in-type shower.

610.3.2 L-Shaped Seats. The rear edge of an L-shaped seat shall be 2 1/2 inches maximum and the front edge 15 inches minimum and 16 inches maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1 1/2 inches maximum from the wall and the front edge shall be 14 inches minimum and 15 inches maximum from the wall. The end of the "L" shall be 22 inches minimum and 23 inches maximum from the main seat wall.

610.4 Standard Roll-In Showers. In standard roll-in showers, the controls and hand shower shall be located on the back wall above the grab bar, 48 inches (1220 mm) maximum above the shower floor and 16 inches minimum and 27 inches maximum from the end wall behind the seat.

610.4.1 Alternate Roll-In Showers. In alternate roll-in showers, the controls and hand shower shall be located 38 inches minimum and 48 inches maximum above the shower floor, and 15 inches maximum, from the centerline of the wall toward the shower opening.

610.4.2 Standard Roll-In Showers. In standard roll-in showers, the controls and hand shower shall be located on the back wall above the grab bar, 48 inches (1220 mm) maximum above the shower floor and 16 inches minimum and 27 inches maximum from the end wall behind the seat.

610.4.3 Alternate Roll-In Showers. In alternate roll-in showers, the controls and hand shower shall be located 38 inches minimum and 48 inches maximum above the shower floor. In alternate roll-in showers with controls and hand shower located on the end wall adjacent to the seat, the controls and hand shower shall be 27 inches maximum from the seat wall. In alternate roll-in showers with the controls and hand shower located on the back wall opposite the seat, the controls and hand shower shall be located within 15 inches, left or right, of the centerline of the seat.

608.5 Hand Showers. A hand shower with a hose 59 inches minimum in length, that can be used both as a fixed shower head and as a hand shower shall be provided. The hand shower shall have a control with a nonpositive shut-off feature. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as not to obstruct the use of grab bars.

EXCEPTION: In other than Accessible units and Type A units, a fixed shower head located 48 inches maximum above the shower floor shall be permitted in lieu of a hand shower.

608.6 Thresholds. Thresholds in roll-in-type shower compartments shall be 1/2 inch maximum in height in accordance with Section 303. In transfer-type shower compartments, thresholds 1/2 inch maximum in height shall be beveled, rounded, or vertical.

EXCEPTION: In existing facilities, in transfer-type shower compartments where provision of a threshold 1/2 inch in height would disturb the structure, reinforcement of the floor slab, a threshold 2 inches maximum in height shall be provided.

608.7 Shower Enclosures. Shower compartment enclosures for shower compartments shall not obstruct controls or obstruct transfer from wheelchairs onto shower seats. 608.8 Water Temperature. Showers shall deliver water that is 120°F (49°C) maximum.

609 Grab Bars

609.1 General. Grab bars in accessible toilet or bathing facilities shall comply with Section 609.

609.2 Cross Section. Grab bars shall have a cross section complying with Section 609.2.1 or 609.2.2.

609.2.1 Circular Cross Section. Grab bars with a circular cross section shall have an outside diameter of 1 1/2 inches minimum and 2 inches maximum.

609.2.2 Noncircular Cross Section. Grab bars with a noncircular cross section shall have a cross section dimension of 1 1/2 inches maximum, and a perimeter dimension of 4 inches minimum and 4.8 inches maximum.

609.3 Spacing. The space between the wall and the grab bar shall be 1 1/2 inches. The space between the grab bar and projecting objects below and at the ends of the grab bar shall be 1 1/2 inches minimum. The space between the grab bar and projecting objects above the grab bar shall be 12 inches minimum.

EXCEPTIONS:

1. The space between the grab bars and shower controls, shower fittings, and other grab bars above the grab bar shall be permitted to be 1 1/2 inches minimum.

2. Recessed dispensers projecting from the wall 1/4 inch maximum measured from the face of the dispenser and complying with Section 604.7 shall be permitted within the 12-inch space above and the 1 1/2 inch spaces below and at the ends of the grab bar.

3. Grab bars at water closets primarily for children's use shall comply with Section 609.4.2.

609.4 Position of Children's Grab Bars. At water closets primarily for children's use complying with Section 604.11, grab bars shall be installed in a horizontal position 18 inches minimum and 27 inches maximum above the floor measured to the top of the gripping surface or shall be installed as required by Items 1 through 3.

EXCEPTION: Grab bars are not required to be installed in a shower for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 609.3.

609.3.1 Transfer-Type Showers. Grab bars for transfer type showers shall comply with Section 609.3.1.

609.3.2 Standard Roll-In Type Showers. In standard roll-in type showers, a grab bar shall be provided on the control end wall beginning at the edge of the seat. The grab bar shall not be provided above the seat.

609.3.3 Hand Showers. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.

609.6 Fittings. Grab bars shall not rotate within their fittings.

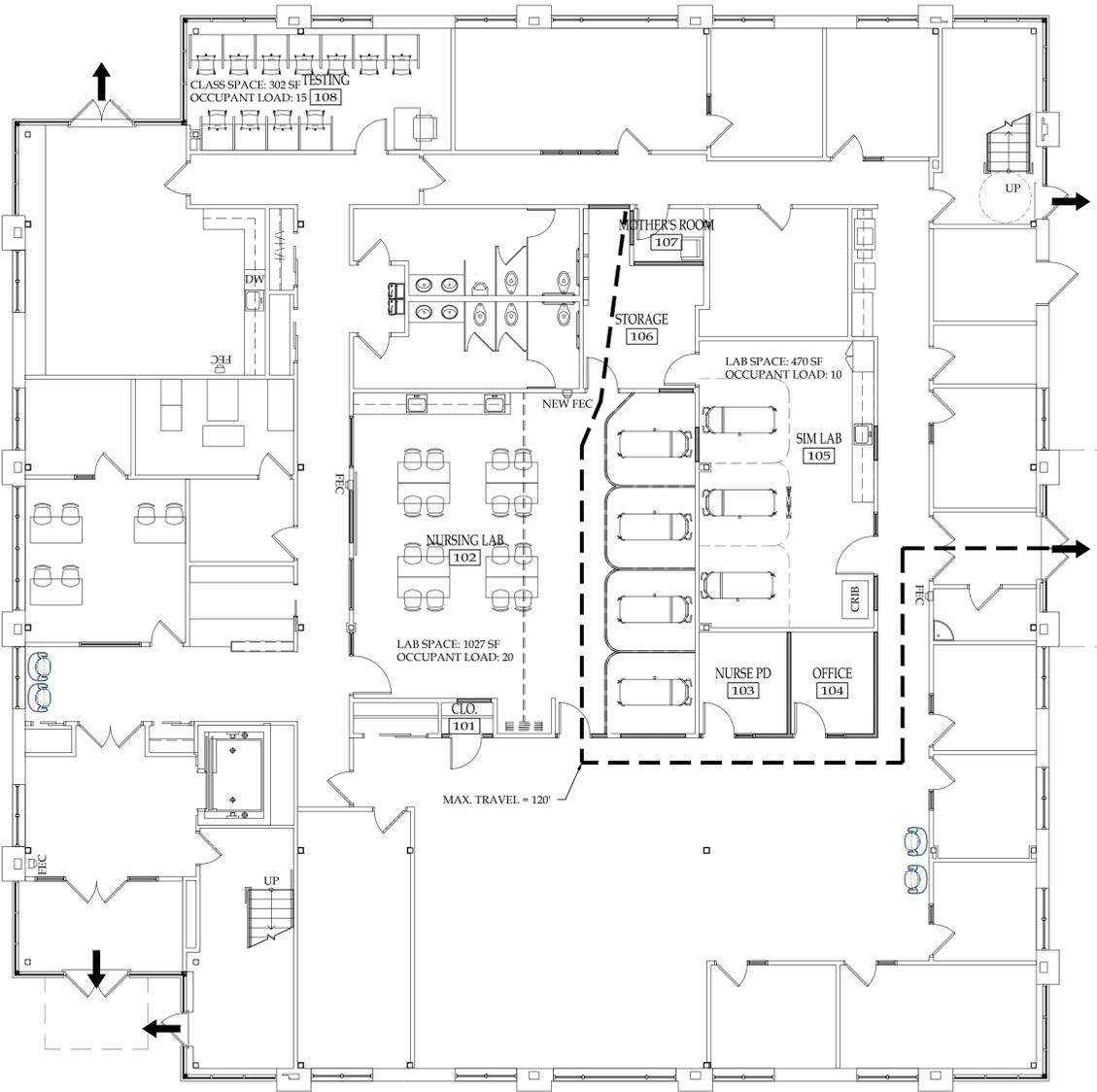
609.7 Installation and Configuration. Grab bars shall be installed in any manner that provides a gripping surface that is not standard in this standard and does not exceed the clear floor space. Horizontal and vertical grab bars shall be permitted to be separate bars, a single piece bar, or combination thereof.

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used where a vertical or horizontal force of 250 pounds is applied at any point on the grab bar, fastener mounting device, or supporting structure.

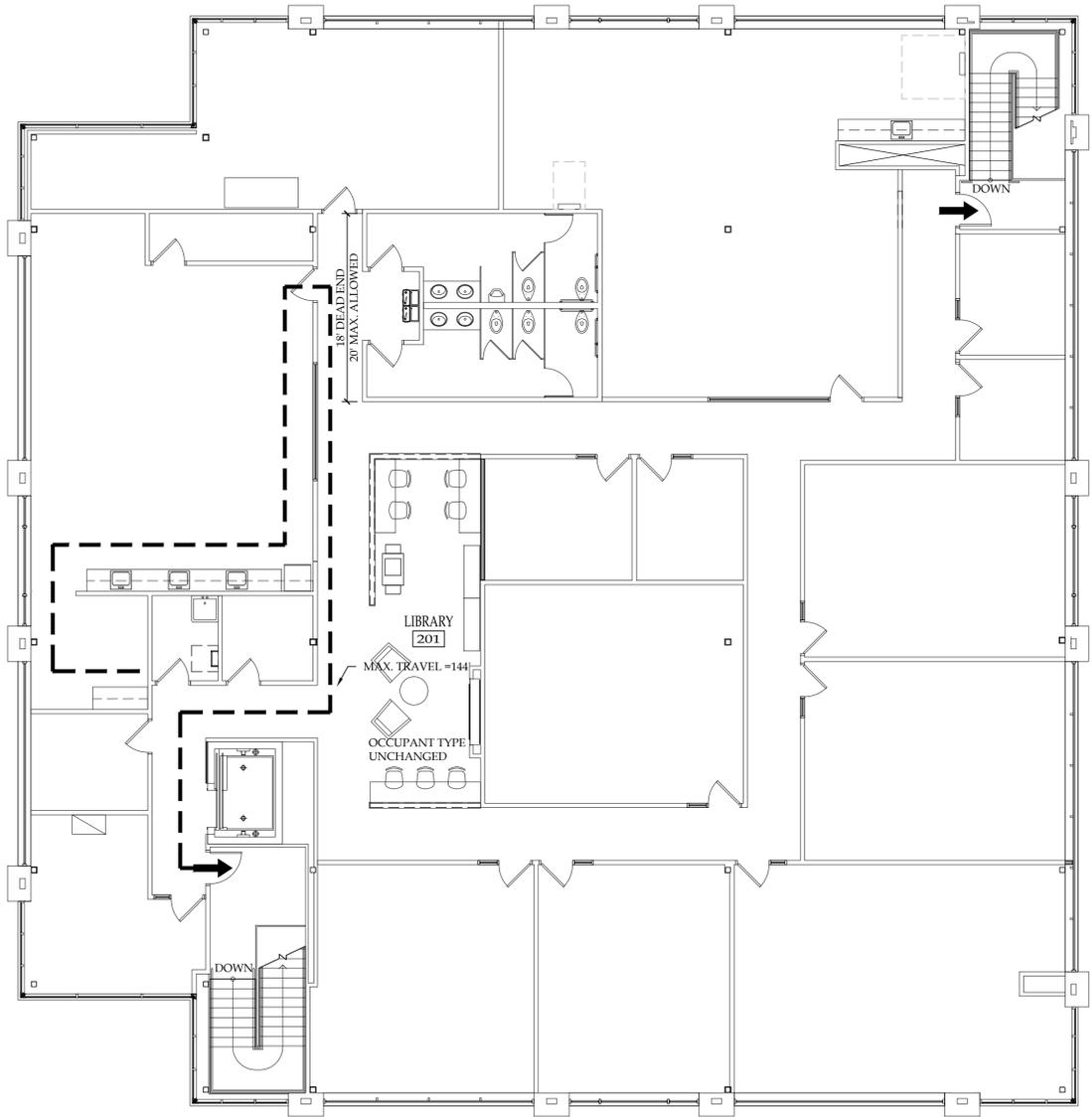
609.9 Surface Hazards. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.

609.10 Grab Bars. Grab bars shall be installed in a horizontal position, 33 inches minimum and 36 inches maximum above the floor measured to the top of the gripping surface or shall be installed as required by Items 1 through 3.

EXCEPTION: Grab bars are not required to be installed in a shower for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 609.3.



A1 FIRST FLOOR CODE COMPLIANCE PLAN
SCALE: 1/8"=1'-0"



A1 SECOND FLOOR CODE COMPLIANCE PLAN
SCALE: 1/8"=1'-0"

CODE COMPLIANCE NOTES FIRST FLOOR:

CONSTRUCTION TYPE: IIB
OCCUPANCY: B
SPRINKLER: NONE
TABULAR FIRE AREA: 23,000 SQFT
ACTUAL FIRE AREA: 10,090 SQFT

PREVIOUS OCCUPANT LOAD:
(B: 10,090/100 = 101 PEOPLE)

PROPOSED OCCUPANT LOAD:
B: 8,291/150 = 56 PEOPLE
NEW LABS: 1497/50 = 30 PEOPLE
NEW CLASS: 302/20 = 15 PEOPLE
TOTAL PROPOSED = 101 PEOPLE

EXIT WIDTH REQUIRED = 101x0.2 = 21"
EXIT WIDTH PROVIDED = 4x34 = 136" TOTAL
ALLOWABLE MAX. TRAVEL = 200'
ACTUAL MAX TRAVEL = 120'

REQUIRED PLUMBING FIXTURES

OCCUPANT LOAD UNCHANGED. EXISTING PLUMBING FIXTURES TO REMAIN.

CODE COMPLIANCE NOTES:

CONSTRUCTION TYPE: IIB
OCCUPANCY: B
SPRINKLER: NONE
TABULAR FIRE AREA: 23,000 SQFT
ACTUAL FIRE AREA: 10,090 SQFT

OCCUPANT LOAD:
LOUNGE: 40
PT/MA LABS: 44
PC LABS: 163
10090 (TOTAL) - 5888 (ABOVE AREA) =
4202/100 = 43 PEOPLE
TOTAL = 290 PEOPLE
EXIT WIDTH REQUIRED = 290x0.2 = 48"
EXIT WIDTH PROVIDED = 2x34 = 68" TOTAL
ALLOWABLE MAX. TRAVEL = 200'
ACTUAL MAX TRAVEL = 144'

REQUIRED PLUMBING FIXTURES

OCCUPANT LOAD UNCHANGED. EXISTING PLUMBING FIXTURES TO REMAIN.

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180 Redtail
Orchard Park NY

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SA PROJECT TEAM: PRINCIPAL P. Silvestri
PROJ. ARCH. S. Hunt DRAFTER _____
JOB CAPT. _____ INTERIORS N. Catozza

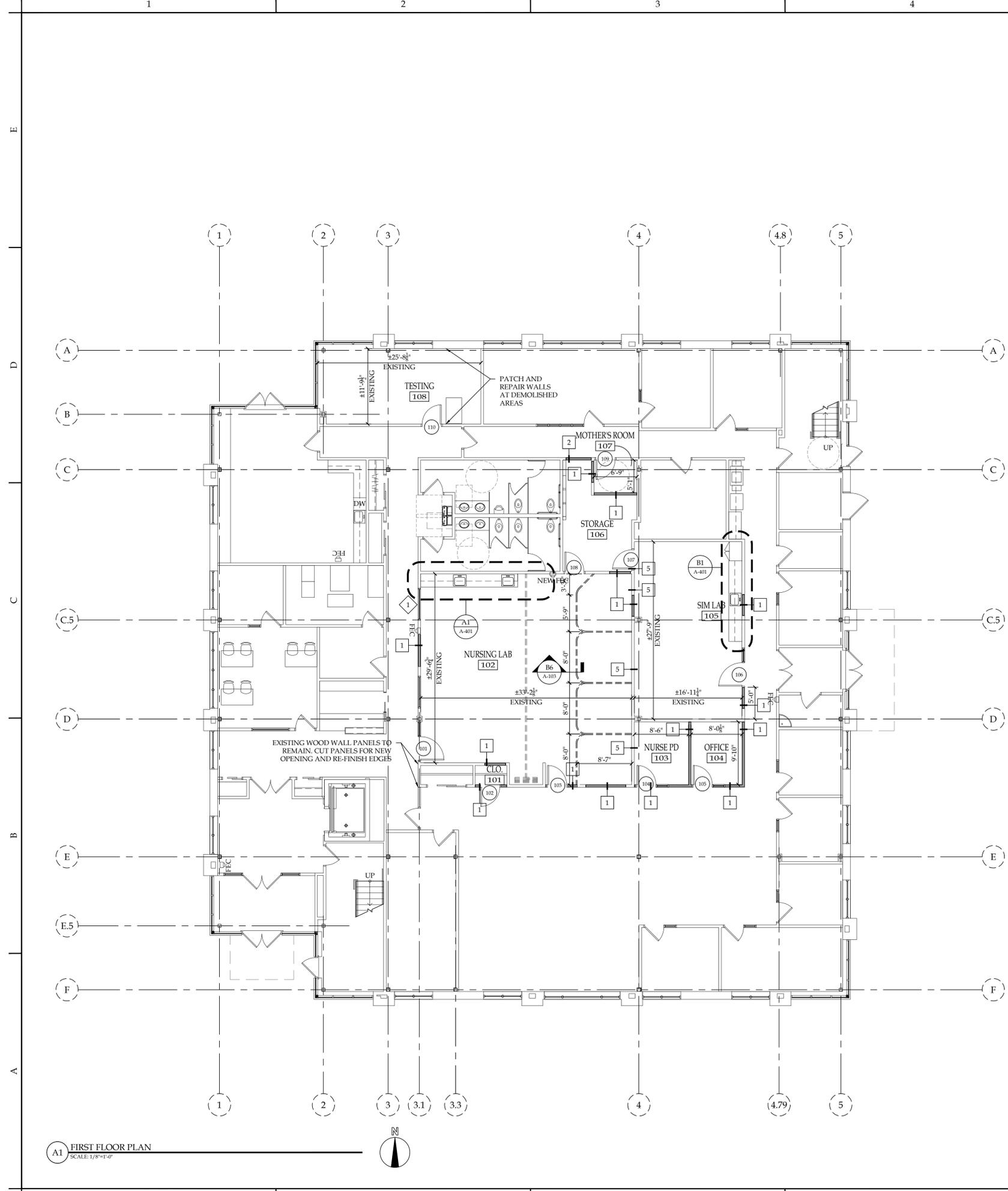
SEAL:

TITLE:
FIRST & SECOND FLOOR CODE COMPLIANCE PLAN



SA JOB #: 17033.05 DATE: 05-23-22

DRAWING #: **A-004**



A1 FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

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Bryant & Stratton
180 Redtail
Orchard Park NY

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. S.Hunt DRAFTER _____
JOB CAPT. _____ INTERIORS N.Catizza

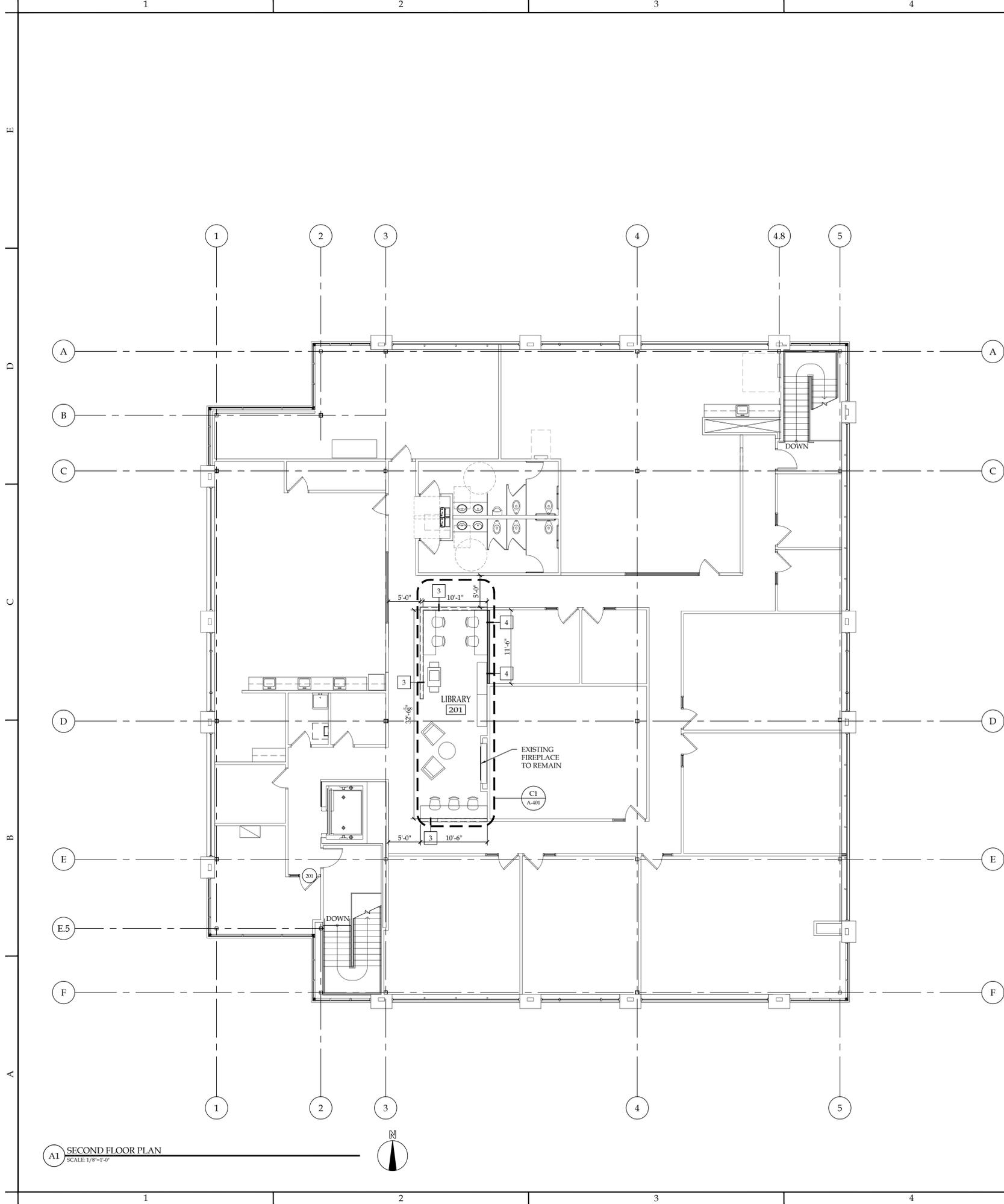
SEAL:

TITLE:
FIRST FLOOR PLAN

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SA JOB #: **17033.05** DATE: **05-23-22**

DRAWING #: **A-101**



A1 SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

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180 Redtail
Orchard Park NY

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PROJ. ARCH. S.Hunt DRAFTER _____
JOB CAPT. _____ INTERIORS N.Catuzza _____

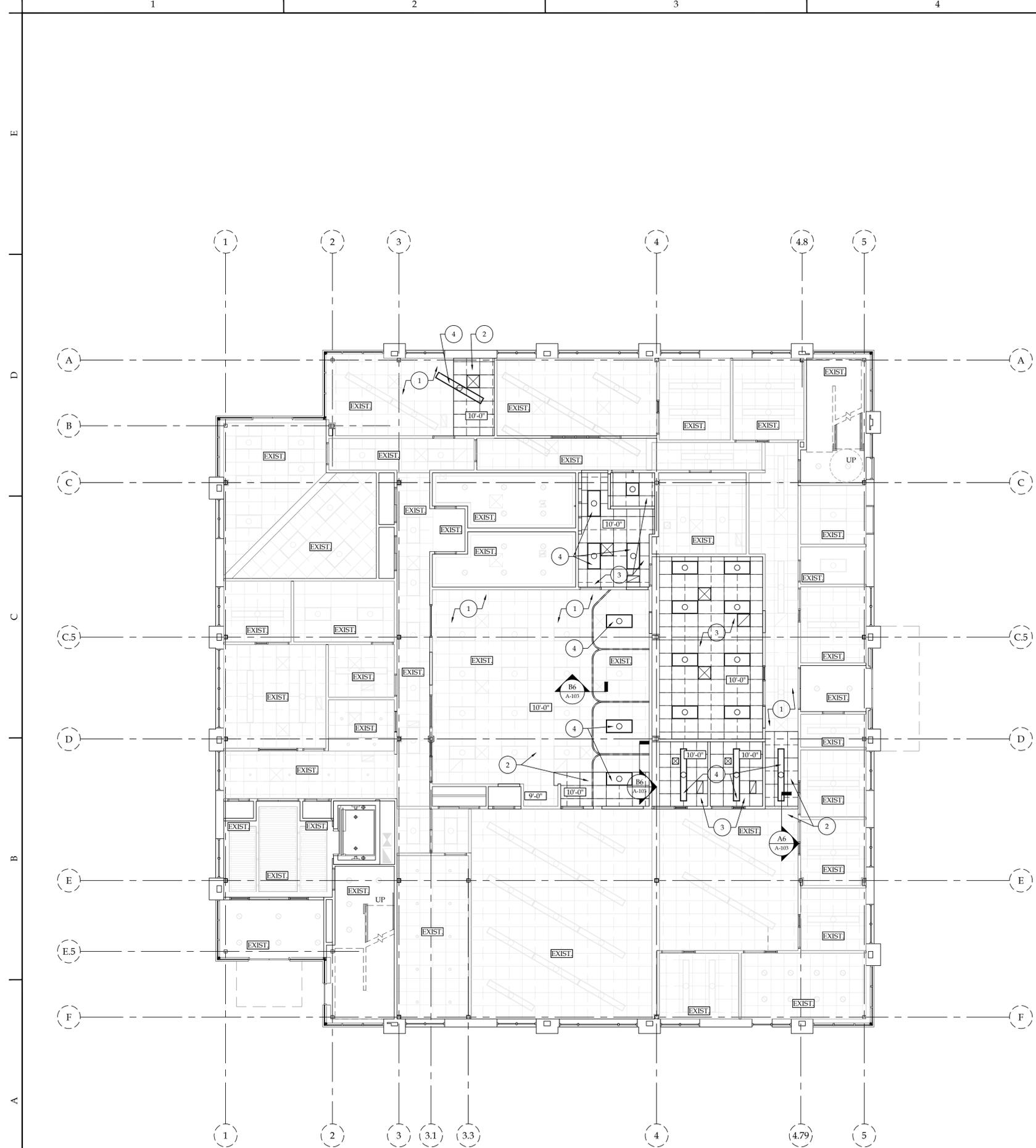
SEAL:

TITLE:
SECOND FLOOR PLAN

SILVESTRI
ARCHITECTS · PC
1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 17033.05 DATE: 05-23-22

DRAWING #: **A-102**



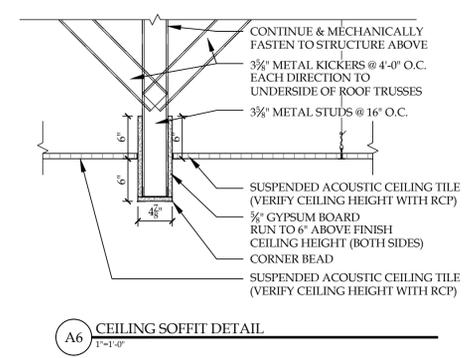
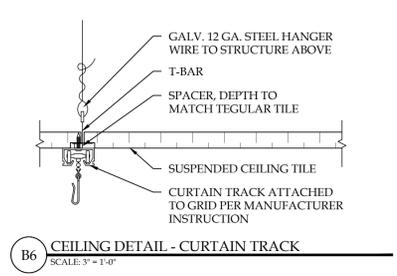
A1 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"

REFLECTED CEILING PLAN SYMBOL LEGEND

| | |
|--|---|
| | FINISHED CEILING HEIGHT (ABOVE FLOOR) |
| | 2 X 4' SUSPENDED ACOUSTIC CEILING, SECOND LOOK |
| | PAINTED GYPSUM BOARD CEILING |
| | RELOCATED SUSPENDED LIGHT FIXTURE |
| | 2x4 LAY IN LIGHT FIXTURE |
| | EXIT SIGN W/90 MIN. BATTERY BACKUP |
| | EMERGENCY LIGHT FIXTURE W/ 90 MIN. BATTERY BACKUP |
| | SUPPLY / RETURN DIFFUSER |

- GENERAL REFLECTED CEILING NOTES:**
- CONTRACTOR SHALL CONFIRM ALL CEILING FIXTURES, DIFFUSERS, LIGHTING, ETC., WITH MECHANICAL & ELECTRICAL DRAWINGS.
 - COORDINATE WITH MEP DRAWINGS FOR LOCATION OF ALL LIGHTING, ELECTRICAL, & HVAC FIXTURES/DIFFUSERS.
 - CENTER CEILING GRID WITHIN ROOM OR WITHIN SPACE, UNO.
 - CENTER ALL DEVICES (I.E. LIGHTS, SPRINKLER HEADS, ETC.) IN THE CEILING TILE THAT THEY PENETRATE.
 - HVAC FIXTURES/DIFFUSERS TO BE PAINTED TO MATCH SURROUNDING MATERIAL.
 - REUSE EXISTING LIGHTING WHERE POSSIBLE. CONTRACTOR TO INVENTORY ALL SALVAGEABLE ITEMS THAT ARE APPROPRIATE FOR RE-INSTALLATION PRIOR TO ORDERING NEW MATERIALS.

- REFLECTED CEILING KEY NOTES:**
- EXISTING CEILING TO REMAIN. REPLACE STAINED CEILING TILES WITH SALVAGED TILES AS NECESSARY. MODIFY PERIMETER AS NECESSARY TO EXTEND CEILING AT NEW WORK AREAS.
 - PATCH, REPAIR AND INFILL EXISTING CEILING AT NEW WORK AREAS USING SALVAGED COMPONENTS.
 - NEW SECOND-LOOK CEILING.
 - RELOCATED EXISTING LIGHT FIXTURE. REFER TO ELECTRICAL PLANS



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Bryant & Stratton
180 Redtail
Orchard Park NY

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. S.Hunt DRAFTER _____
JOB CAPT. _____ INTERIORS N.Catizza

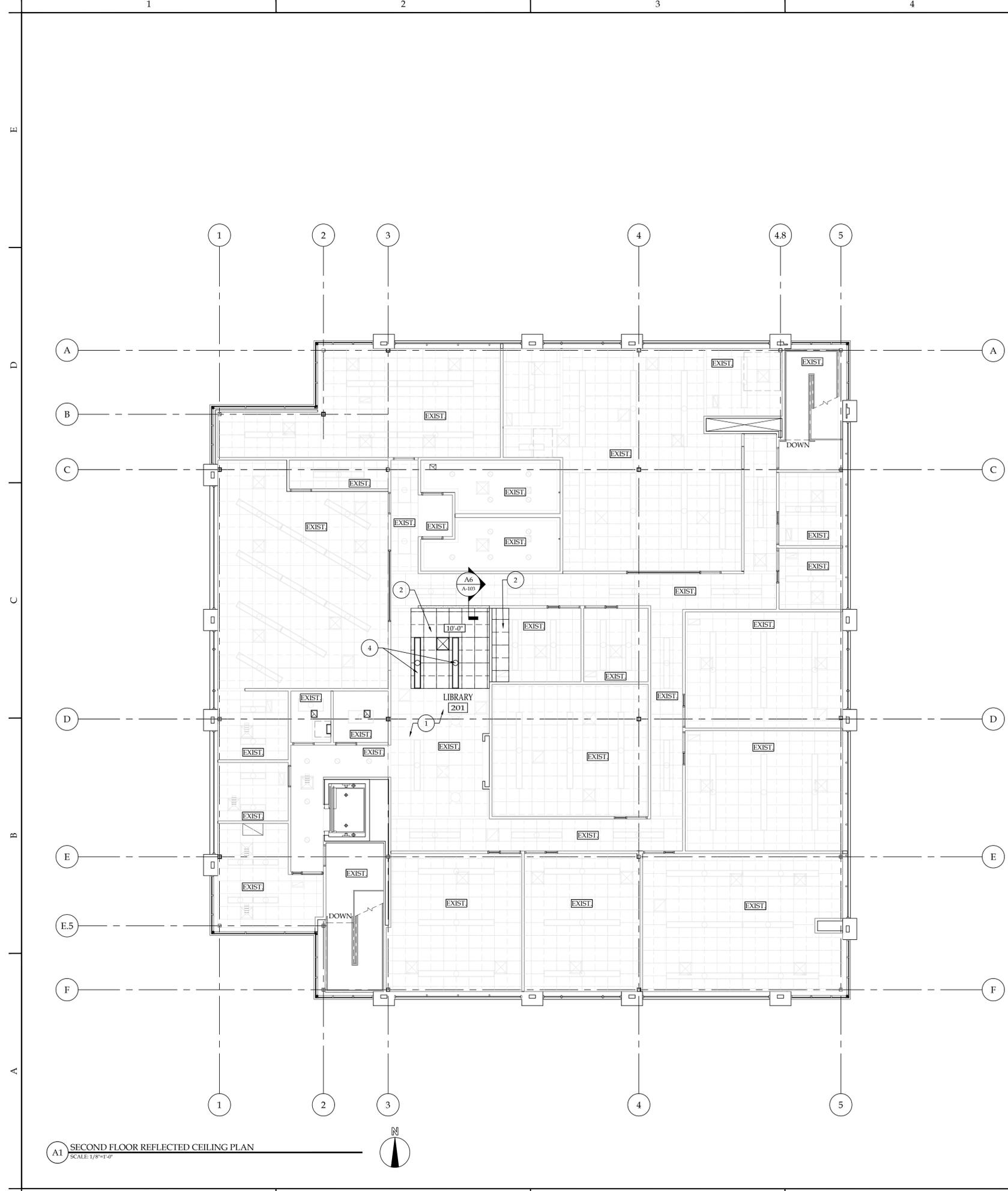
SEAL:

TITLE:

FIRST FLOOR REFLECTED CEILING PLAN

SILVESTRI ARCHITECTS · PC
1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: **17033.05** DATE: **05-23-22**
DRAWING #: **A-103**



| REFLECTED CEILING PLAN SYMBOL LEGEND | |
|--------------------------------------|---|
| | FINISHED CEILING HEIGHT (ABOVE FLOOR) |
| | 2 X 4' SUSPENDED ACOUSTIC CEILING, SECOND LOOK |
| | PAINTED GYPSUM BOARD CEILING |
| | RELOCATED SUSPENDED LIGHT FIXTURE |
| | 2x4 LAY IN LIGHT FIXTURE |
| | EXIT SIGN W/90 MIN. BATTERY BACKUP |
| | EMERGENCY LIGHT FIXTURE W/ 90 MIN. BATTERY BACKUP |
| | SUPPLY / RETURN DIFFUSER |

- GENERAL REFLECTED CEILING NOTES:**
- CONTRACTOR SHALL CONFIRM ALL CEILING FIXTURES, DIFFUSERS, LIGHTING, ETC., WITH MECHANICAL & ELECTRICAL DRAWINGS.
 - COORDINATE WITH MEP DRAWINGS FOR LOCATION OF ALL LIGHTING, ELECTRICAL, & HVAC FIXTURES/DIFFUSERS.
 - CENTER CEILING GRID WITHIN ROOM OR WITHIN SPACE, UNO.
 - CENTER ALL DEVICES (I.E. LIGHTS, SPRINKLER HEADS, ETC.) IN THE CEILING TILE THAT THEY PENETRATE.
 - HVAC FIXTURES/DIFFUSERS TO BE PAINTED TO MATCH SURROUNDING MATERIAL.
 - REUSE EXISTING LIGHTING WHERE POSSIBLE. CONTRACTOR TO INVENTORY ALL SALVAGEABLE ITEMS THAT ARE APPROPRIATE FOR RE-INSTALLATION PRIOR TO ORDERING NEW MATERIALS.

- REFLECTED CEILING KEY NOTES:** #
- EXISTING CEILING TO REMAIN. REPLACE STAINED CEILING TILES WITH SALVAGED TILES AS NECESSARY. MODIFY PERIMETER AS NECESSARY TO EXTEND CEILING AT NEW WORK AREAS.
 - PATCH, REPAIR AND INFILL EXISTING CEILING AT NEW WORK AREAS USING SALVAGED COMPONENTS.
 - NEW SECOND-LOOK CEILING.
 - RELOCATED EXISTING LIGHT FIXTURE. REFER TO ELECTRICAL PLANS

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Bryant & Stratton
 180 Redtail
 Orchard Park NY

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
 PROJ. ARCH. S.Hunt DRAFTER
 JOB CAPT. INTERIORS N.Catizza

SEAL:

TITLE:
SECOND FLOOR REFLECTED CEILING PLAN



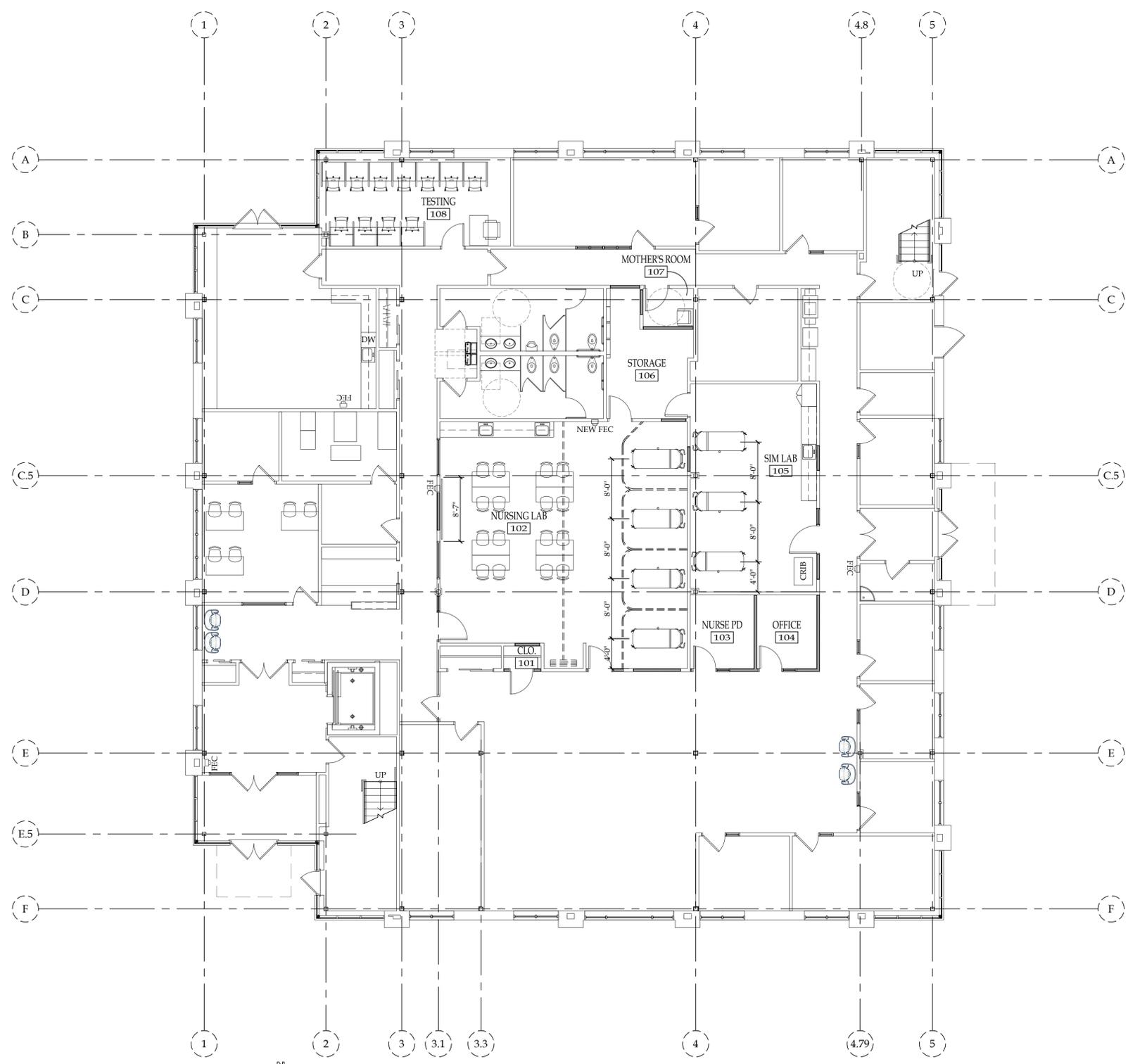
SA JOB #: 17033.05 DATE: 05-23-22

DRAWING #: **A-104**

A1 SECOND FLOOR REFLECTED CEILING PLAN
 SCALE: 1/8"=1'-0"

1 2 3 4 5 6

E D C B A



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Bryant & Stratton
 180 Redtail
 Orchard Park NY

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
 PROJ. ARCH. S.Hunt DRAFTER _____
 JOB CAPT. _____ INTERIORS N.Catizza

SEAL:

TITLE:
**FIRST FLOOR
 SPACE
 ALLOCATION
 PLAN**

SILVESTRI
 ARCHITECTS · PC
 1321 MILLERSPORT HWY PH. 716.691.0900
 AMHERST, NY 14221 FAX 716.691.4773

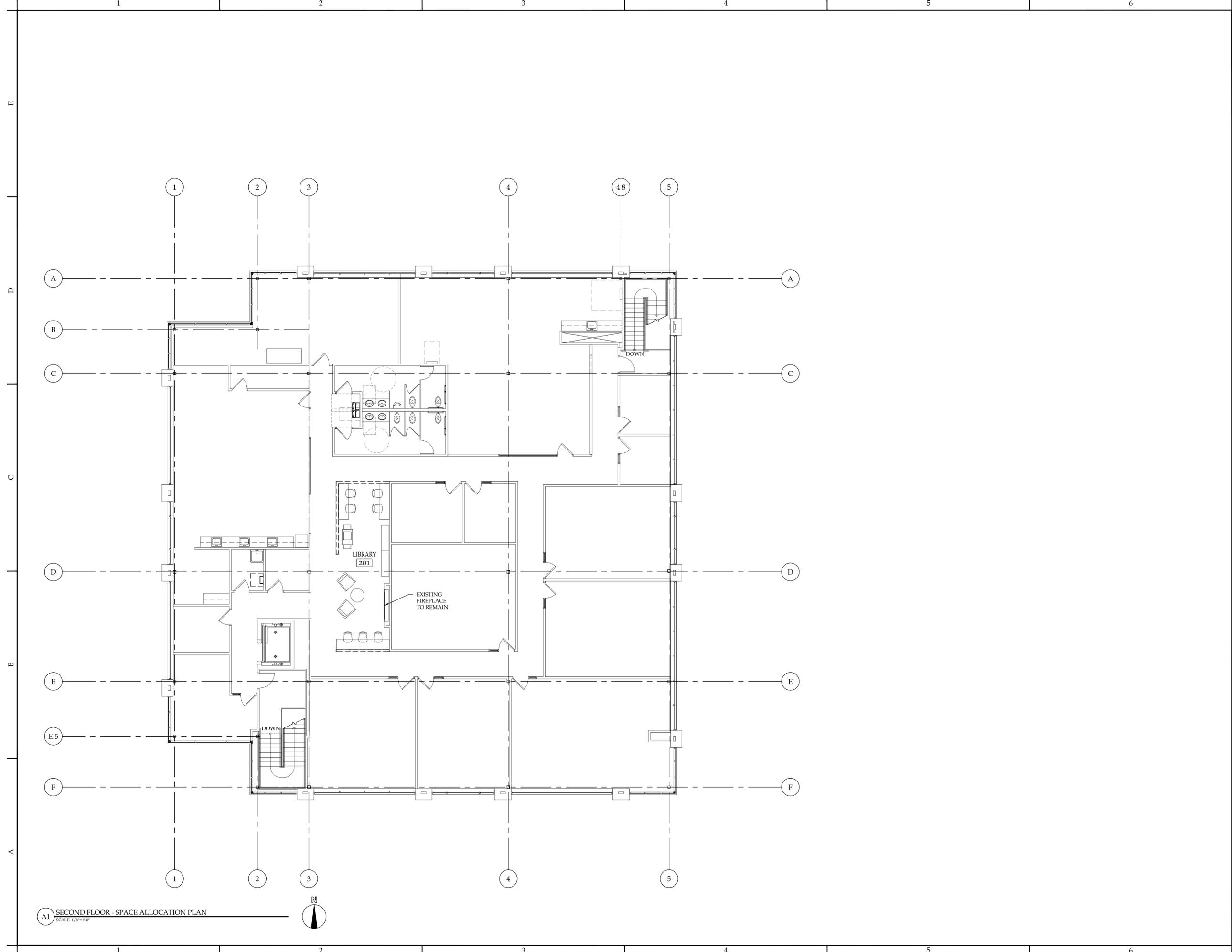
SA JOB #: **17033.05** DATE: **05-23-22**

DRAWING #: **A-105**

A1 FIRST FLOOR - SPACE ALLOCATION PLAN
 SCALE: 1/8"=1'-0"



1 2 3 4 5 6



A1 SECOND FLOOR - SPACE ALLOCATION PLAN
SCALE: 1/8"=1'-0"

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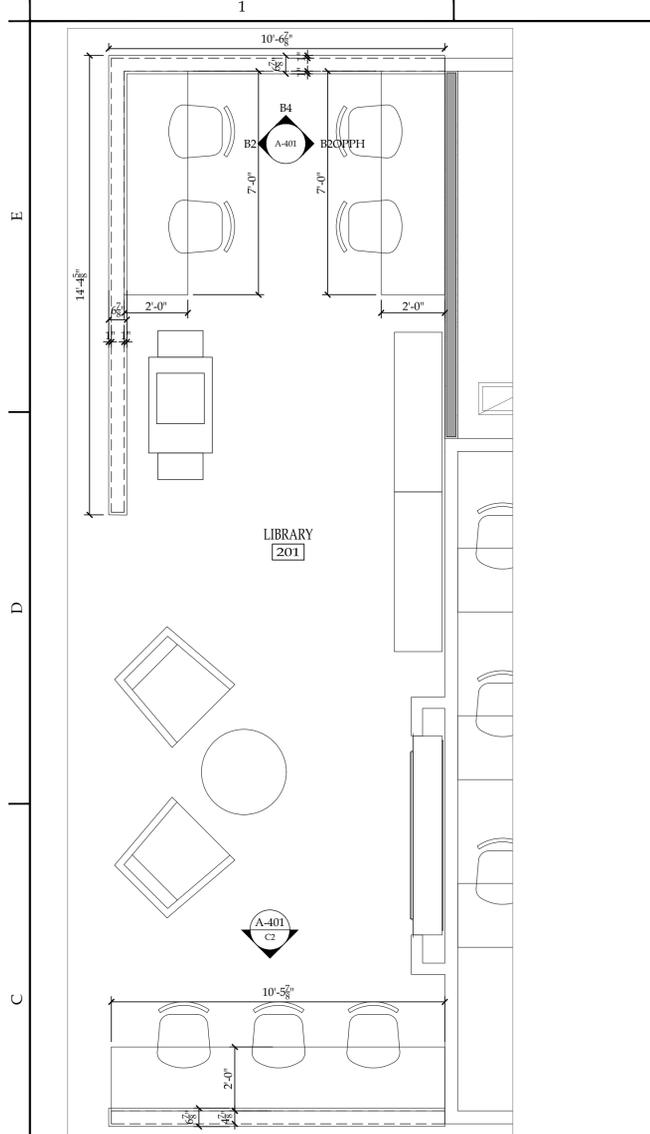
SEAL:

TITLE:
**SECOND FLOOR
SPACE
ALLOCATION
PLAN**

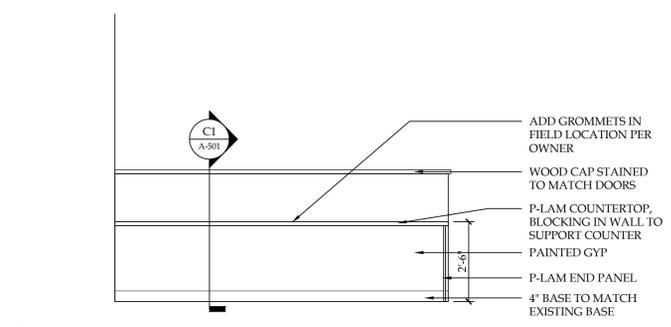


SA JOB #: **17033.05** DATE: **05-23-22**

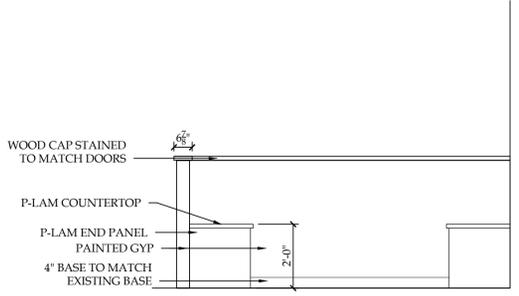
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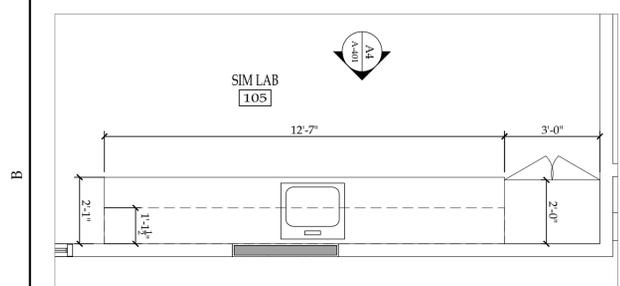
C1 ENLARGED PLAN - LIBRARY #201
SCALE: 3/8"=1'-0"



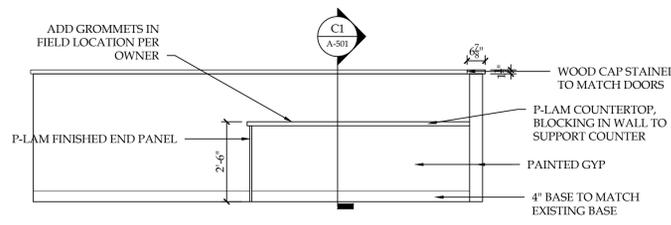
C2 ELEVATION - LIBRARY #201
SCALE: 3/8"=1'-0"



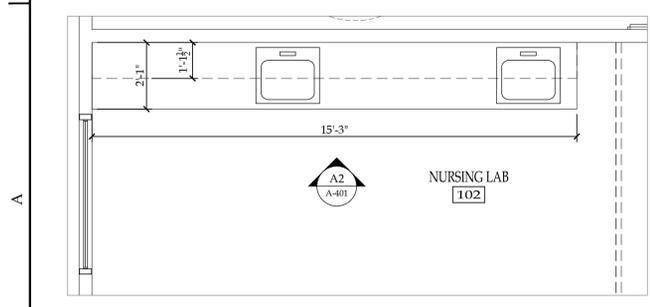
B4 ELEVATION - LIBRARY #201
SCALE: 3/8"=1'-0"



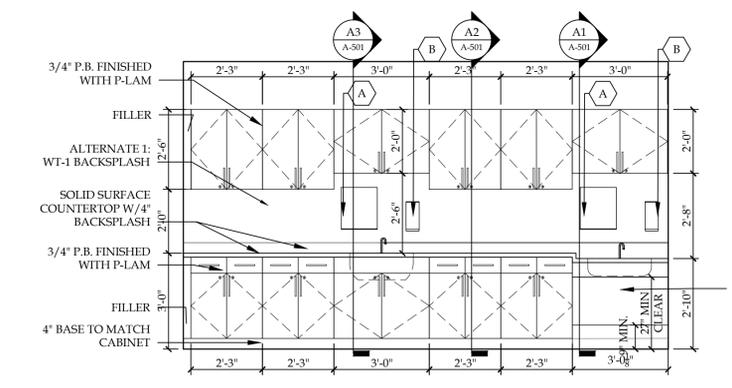
B1 ENLARGED PLAN - SIM LAB #105
SCALE: 3/8"=1'-0"



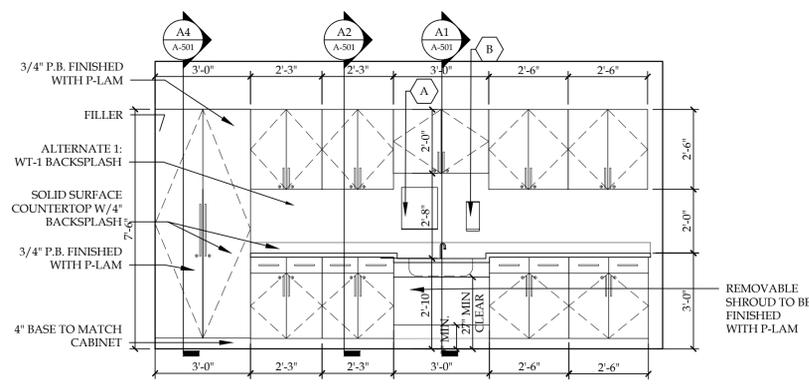
B2 ELEVATION - LIBRARY #201
SCALE: 3/8"=1'-0"



A1 ENLARGED PLAN - NURSING #102
SCALE: 3/8"=1'-0"



A2 ELEVATION - NURSING #102
SCALE: 3/8"=1'-0"



A4 ELEVATION - SIM LAB #105
SCALE: 3/8"=1'-0"

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Bryant & Stratton
180 Redtail
Orchard Park NY

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. S.Hunt DRAFTER
JOB CAPT. INTERIORS N.Catizza

SEAL:

TITLE:
ENLARGED PLANS & ELEVATIONS



SILVESTRI
ARCHITECTS · PC

1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 17033.05 DATE: 05-23-22

DRAWING #: **A-401**

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Bryant & Stratton
 180 Redtail
 Orchard Park NY

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
 PROJ. ARCH. S.Hunt DRAFTER
 JOB CAPT. INTERIORS N.Catuzza

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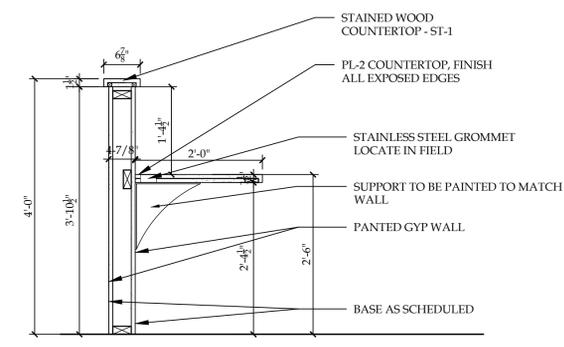
TITLE:
MILLWORK DETAILS



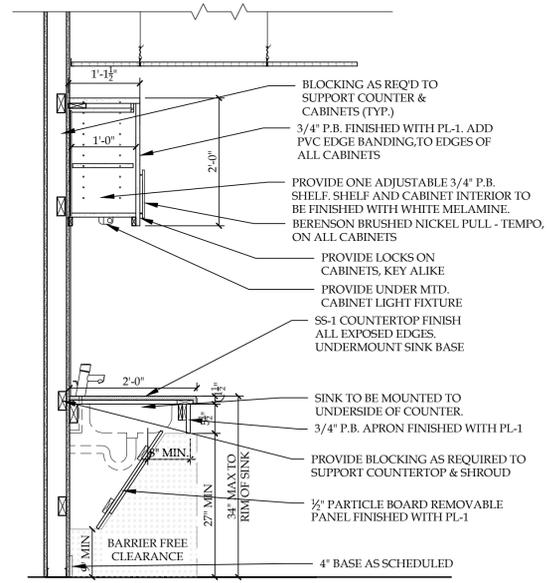
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SA JOB #: 17033.05 DATE: 05-23-22

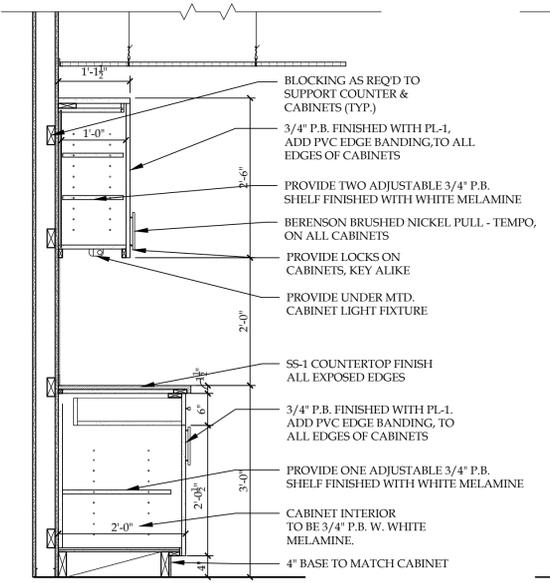
DRAWING #: **A-501**



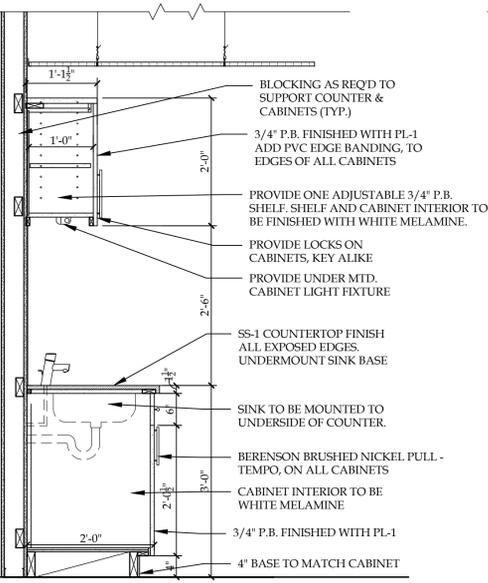
C1 SECTION - LIBRARY
 SCALE: 3/4"=1'-0"



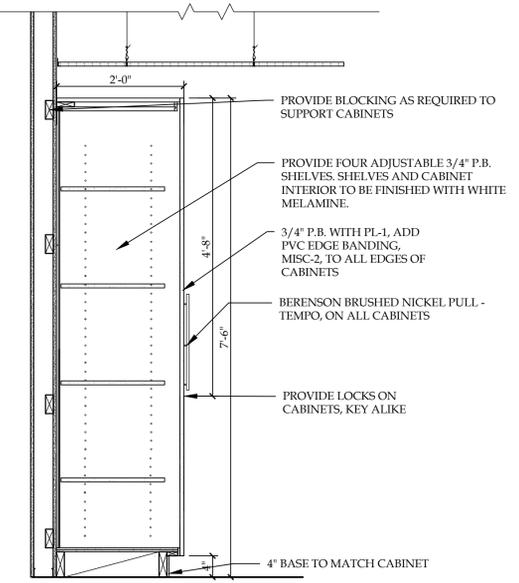
A1 SECTION - LAB
 SCALE: 3/4"=1'-0"



A2 SECTION - LAB
 SCALE: 3/4"=1'-0"



A3 SECTION - LAB
 SCALE: 3/4"=1'-0"



A4 SECTION - SIM LAB
 SCALE: 3/4"=1'-0"

DOOR AND FRAME SCHEDULE

| DOOR NO. | DOORS | | | | | | FRAMES | | | | FIRE RATING | HDW SET # | REMARKS |
|----------|-------|--------|--------|-----------|---------|---------|--------|------------|---------|-------|-------------|-----------|---------|
| | SIZE | | | DOOR TYPE | MAT'L | GLAZING | MAT'L | FRAME TYPE | DETAILS | | | | |
| | WIDTH | HEIGHT | THK | | | | | | HEAD | JAMB | | | |
| 101 | 3'-8" | 7'-0" | 1 3/4" | F | SCWD | - | HM | C | H1/H2 | J1/J2 | | 1 | 2, 6 |
| 102 | 3'-0" | 7'-0" | 1 3/4" | EX-F | EX SCWD | - | HM | EX-A | H1 | J1 | | 2 | 1, 2 |
| 103 | 3'-0" | 7'-0" | 1 3/4" | EX-P4G | EX SCWD | EX T1 | HM | EX-A | H1 | J1 | | 3 | 1, 2, 5 |
| 104 | 3'-0" | 7'-0" | 1 3/4" | EX-F | EX SCWD | - | HM | B | H1/H2 | J1/J2 | | 4 | 2, 7 |
| 105 | 3'-0" | 7'-0" | 1 3/4" | EX-F | EX SCWD | - | HM | EX-B | H1/H2 | J1/J2 | | 5 | 1, 2, 3 |
| 106 | 3'-8" | 7'-0" | 1 3/4" | F | SCWD | - | HM | C | H1/H2 | J1/J2 | | 1 | 2, 6 |
| 107 | 3'-0" | 7'-0" | 1 3/4" | EX-F | EX SCWD | - | HM | EX-A | H1 | J1 | | 6 | 1, 2 |
| 108 | 3'-0" | 7'-0" | 1 3/4" | EX-F | EX SCWD | - | HM | EX-A | H1 | J1 | | 6 | 1, 2 |
| 109 | 3'-0" | 7'-0" | 1 3/4" | EX-F | EX SCWD | - | HM | EX-A | H1 | J1 | | 7 | 1, 2 |
| 110 | 3'-0" | 7'-0" | 1 3/4" | EX-P4G | EX SCWD | EX T1 | HM | EX-A | H1 | J1 | | 8 | 2, 3, 4 |
| 201 | EX | EX | EX | EX | EX | EX | EX | EX | EX | EX | EX | 9 | 8 |

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Bryant & Stratton
 180 Redtail
 Orchard Park NY

SA PROJECT TEAM: PRINCIPAL P. Silvestri
 PROJ. ARCH. S. Hunt DRAFTER
 JOB CAPT. INTERIORS N. Catuzza

ISSUE:

SEAL:

TITLE:

DOOR/WINDOW TYPES, SCHEDULE AND DETAILS



SA JOB #: 17033.05 **DATE:** 05-23-22

DRAWING #: A-601

GENERAL NOTES:

- DESIGN INTENT IS TO RE-USE SALVAGED DOORS, FRAMES, AND HARDWARE WHERE POSSIBLE. CONDITION TO BE VERIFIED IN FIELD.
- ALL DOORS & FRAMES TO INCLUDE ALL NECESSARY HARDWARE & ACCESSORIES FOR INSTALLATION & OPERATION. ANY HARDWARE ITEM NOT SPECIFICALLY CALLED OUT, BUT REQUIRED TO MAKE ANY ASSEMBLY OPERATIONAL, SHALL BE INCLUDED.
- PROVIDE SOLID WOOD BLOCKING AT ALL WALL STOPS.
- ALL HARDWARE TO BE ADA COMPLIANT.

REMARKS:

- REUSE SALVAGED DOOR, FRAME AND HARDWARE. RECOMMENDED RELOCATED DOOR ASSEMBLY LOCATION IS SHOWN ON THE DEMOLITION FLOOR PLAN. REVERSE LOCKSET WHERE NECESSARY. VERIFY CONDITION IN FIELD. REFURBISH COMPONENTS AS NECESSARY.
- INTENT IS TO REUSE EXISTING LOCKSETS. EXISTING LOCKSETS ARE SARGENT 8200 SERIES MORTISE LOCKSETS AND LEVERS ARE "CENTRO - ND" W/ LN ROSE. SATIN CHROME PLATED. LOCKSETS ARE MULTI FUNCTION AND SOME WILL REQUIRE FUNCTION ADJUSTMENT. REFER TO HARDWARE SCHEDULE FOR REQUIRED FUNCTIONS.
- REPAIR DOOR SLAB AFTER CLOSER IS REMOVED.
- REUSE SALVAGED DOOR AND HARDWARE. EXISTING FRAME TO REMAIN. VIF SIZE IN FIELD. RECOMMENDED RELOCATED DOOR LOCATION IS SHOWN ON THE DEMOLITION FLOOR PLAN. REVERSE LOCKSET WHERE NECESSARY. VERIFY CONDITION IN FIELD. REFURBISH COMPONENTS AS NECESSARY.
- MODIFY EXISTING DOOR FRAME FOR ELECTRIC STRIKE.
- NEW DOOR AND FRAME.
- REUSE SALVAGED DOOR AND HARDWARE. PROVIDE NEW FRAME. VIF SIZE IN FIELD. RECOMMENDED RELOCATED DOOR LOCATION IS SHOWN ON THE DEMOLITION FLOOR PLAN. REVERSE LOCKSET WHERE NECESSARY. VERIFY CONDITION IN FIELD. REFURBISH COMPONENTS AS NECESSARY.
- EXISTING DOOR AND FRAME TO REMAIN. ADD ELECTRIC STRIKE AND KEY FOB READER.

MATERIAL LEGEND:

ALUM = ALUMINUM
 HM = HOLLOW METAL
 MTL = METAL
 SCWD = SOLID CORE WOOD
 T1 = 1/4" TEMPERED GLAZING
 EX = EXISTING

HARDWARE SCHEDULE:

HARDWARE SET #1:
 4 - HINGES (PROVIDE NEW)
 1 - STOREROOM LOCKSET (RELOCATE)
 1 - WALL STOP (PROVIDE NEW)
 3 - SILENCERS (PROVIDE NEW)
 1 - CLOSER (PROVIDE NEW)
 1 - ELECTRIC STRIKE (COORDINATE WITH VENDOR AND EXISTING SYSTEM) (PROVIDE NEW)
 1 - KEY FOB READER SYSTEM (PROVIDED BY OWNER'S VENDOR)

HARDWARE SET #2:
 3 - HINGES (RELOCATE)
 1 - STOREROOM LOCKSET (RELOCATE)
 3 - SILENCERS (RELOCATE)

HARDWARE SET #3:
 3 - HINGES (RELOCATE)
 1 - STOREROOM LOCKSET (RELOCATE)
 1 - WALL STOP (PROVIDE NEW)
 3 - SILENCERS (RELOCATE)
 1 - CLOSER (RELOCATE)
 1 - ELECTRIC STRIKE (COORDINATE WITH VENDOR AND EXISTING SYSTEM) (PROVIDE NEW)
 1 - KEY FOB READER SYSTEM (PROVIDED BY OWNER'S VENDOR)

HARDWARE SET #4:
 3 - HINGES (PROVIDE NEW)
 1 - OFFICE/ENTRY LOCKSET (RELOCATE)
 1 - WALL STOP (PROVIDE NEW)
 3 - SILENCERS (PROVIDE NEW)

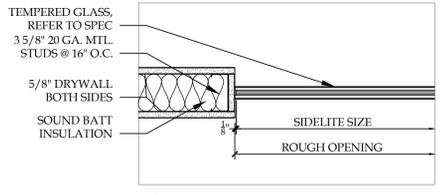
HARDWARE SET #5:
 3 - HINGES (RELOCATE)
 1 - OFFICE/ENTRY LOCKSET (RELOCATE)
 1 - WALL STOP (PROVIDE NEW)
 3 - SILENCERS (PROVIDE NEW)

HARDWARE SET #6:
 3 - HINGES (RELOCATE)
 1 - STOREROOM LOCKSET (RELOCATE)
 3 - SILENCERS (RELOCATE)
 1 - WALL STOP (PROVIDE NEW)

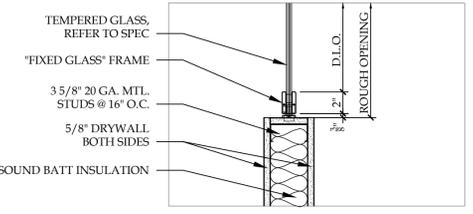
HARDWARE SET #7:
 3 - HINGES (RELOCATE)
 1 - PRIVACY SET (RELOCATE)
 3 - SILENCERS (RELOCATE)
 1 - WALL STOP (PROVIDE NEW)

HARDWARE SET #8:
 3 - HINGES (RELOCATE)
 1 - CLASSROOM LOCKSET (RELOCATE)
 1 - OVERHEAD STOP (PROVIDE NEW)
 3 - SILENCERS (RELOCATE)

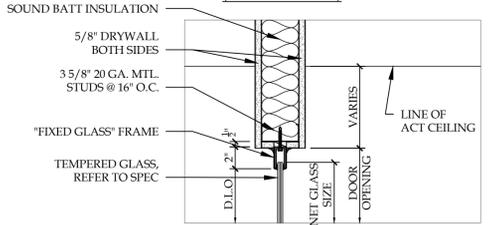
HARDWARE SET #9:
 ADD 1 - ELECTRIC STRIKE (COORDINATE WITH VENDOR AND EXISTING SYSTEM) (PROVIDE NEW)
 ADD 1 - KEY FOB READER SYSTEM (PROVIDED BY OWNER'S VENDOR)



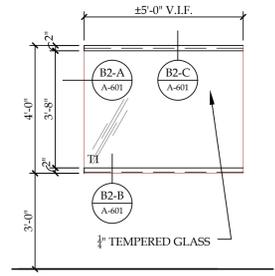
A JAMB @ FIXED GLASS PARTITION



B SILL @ FIXED GLASS PARTITION (WALL MOUNTED)

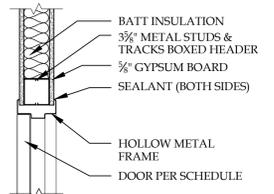


C HEAD @ FIXED GLASS PARTITION

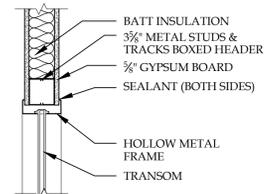


D WINDOW TYPES

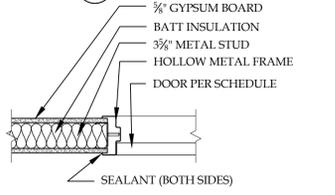
B1 WINDOW TYPES
 3/8" = 1'-0"



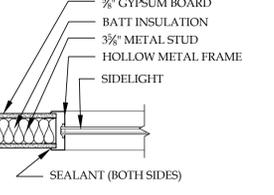
H1



H2

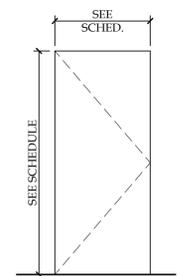


J1

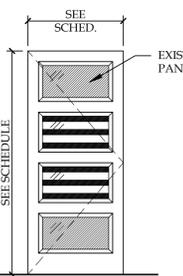


J2

A1 HEAD & JAMB DETAILS
 1' = 1'-0"

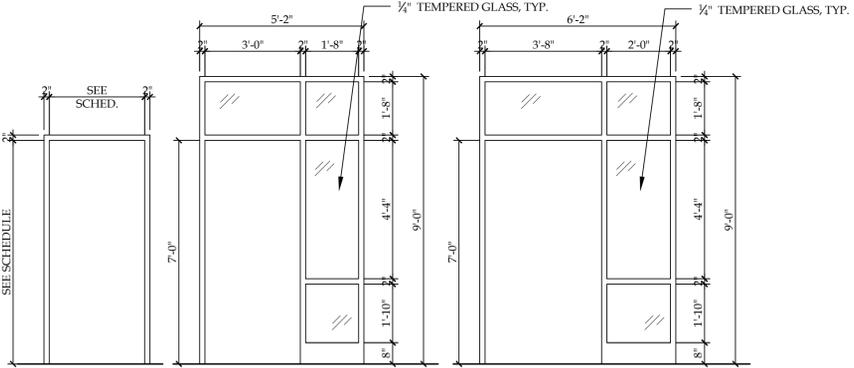


F FLUSH DOOR



P4G EXISTING 4 PANEL DOOR W/ GLASS PANELS

A3 DOOR TYPES
 3/8" = 1'-0"



A5 FRAME TYPES
 3/8" = 1'-0"

| FINISH SELECTIONS | |
|---|---|
| PAINT (P-X): | |
| (P-1) (TYPICAL) MANUFACTURER: COLOR: FINISH: | SHERWIN WILLIAMS SW7632 MODERN GRAY EGGSHELL |
| (P-2) (TRIM) MANUFACTURER: COLOR: FINISH: | SHERWIN WILLIAMS SW6152 SUPERIOR BRONZE SEMI-GLOSS |
| (P-3) (ACCENT COLOR) MANUFACTURER: COLOR: FINISH: | SHERWIN WILLIAMS SW6072 VERSATILE GRAY EGGSHELL |
| (P-4) (ACCENT COLOR) MANUFACTURER: COLOR: FINISH: | SHERWIN WILLIAMS SW0037 MORRIS ROOM GRAY EGGSHELL |
| (P-5) (ACCENT COLOR) MANUFACTURER: COLOR: FINISH: | SHERWIN WILLIAMS VERDANT SW6713 EGGSHELL |
| (P-6) (OFFICE PAINT) MANUFACTURER: COLOR: FINISH: | SHERWIN WILLIAMS SW7004 SNOWBOUND EGGSHELL |
| CARPET (CPT-X): | |
| (CPT-1) (TYPICAL) MANUFACTURER: STYLE: COLOR: NOTE: | INTERFACE LA PAZ JALAPENO USE THIS EXISTING CARPET TILE WHERE CPT-1 IS SPECIFIED UNLESS EXISTING CARPET IS NOT SALVAGEABLE. |
| LUXURY VINYL TILE (LVT-X): | |
| (LVT-1) MANUFACTURER: STYLE: COLOR: SIZE: INSTALLATION: NOTE: | SHAW CONTRACT GROUP GRAIN ANTLER 64761 7'X48" VERTICAL ASHLAR CONTACT LYNDSEY POMPEII FOR PRICING 315-777-7843 |
| (LVT-2) MANUFACTURER: STYLE: COLOR: SIZE: INSTALLATION: NOTE: | SHAW CONTRACT GROUP GRAIN CHICORY 64752 7'X48" VERTICAL ASHLAR CONTACT LYNDSEY POMPEII FOR PRICING 315-777-7843 |
| (LVT-3) MANUFACTURER: STYLE: COLOR: SIZE: INSTALLATION: NOTE: | SHAW CONTRACT GROUP PIGMENT GREEN 65326 7'X48" VERTICAL ASHLAR CONTACT LYNDSEY POMPEII FOR PRICING 315-777-7843 |
| RUBBER BASE (RB-X): | |
| (RB-1) (TYPICAL) MANUFACTURER: STYLE: COLOR: | MANNINGTON SYNC 911 SABLE |
| WALL TILE (WT-X): | |
| (WT-1) (LAB BACKSPLASH) MANUFACTURER: STYLE: COLOR: FINISH: SIZE: NOTE: | BEST TILE BRIXTON WHITE GLOSSY 3'X6" INCLUDED IN ALTERNATE 1 |

| FINISH SELECTIONS | |
|--|--|
| PLASTIC LAMINATE (PL-X): | |
| (PL-1) (TYPICAL) MANUFACTURER: COLOR: FINISH: | FORMICA WENGE STRAND 6306-58 MATTE |
| (PL-2) (LIBRARY) MANUFACTURER: COLOR: | NEVAMAR EISKAFFE |
| SOLID SURFACE (SS-X): | |
| (SS-1) MANUFACTURER: COLOR: LOCATION: | CORIAN SILVER BIRCH NURSING LABS |
| DOORS (WD-X): | |
| (WD-1) MANUFACTURER: SPECIES: STAIN: NOTE: | GRAHAM WOOD DOORS ASSA ABLOY WHITE MAPLE UNFINISHED NEW DOORS TO BE STAINED TO MATCH EXISTING BUILDING DOORS |
| STAIN (ST-X): | |
| NOTE: | MATCH EXISTING STAIN ON EXISTING LIBRARY WALL FOR WOOD CAP AT NEW LIBRARY HALF WALLS |
| ACOUSTICAL CEILING TILE (ACT-X): | |
| (ACT-1) MANUFACTURER: PRODUCT: STYLE: SIZE: EDGE: COLOR: | USG RADAR ILLUSION TWO/24 PANELS 2742 2'X4' SLT WHITE |
| TRANSITION (TS-X): | |
| (TS-1) (GENERAL) MANUFACTURER: STYLE & SIZE: | SCHLUTER SYSTEMS RENO-TK SIZE TO BE V.I.F. IN ACCORDANCE WITH MATERIAL(S) THICKNESS CLEAR SATIN ANODIZED ALUMINUM FLOORING MATERIAL CHANGES AS NECESSARY PLEASE SEE GENERAL NOTES RE: TRANSITIONS |
| STYLE: LOCATION(S): NOTE(S): | |
| CUBICLE CURTAIN (CC-X): | |
| (CC-1) MANUFACTURER: STYLE: COLOR: LOCATION: NOTE: | DL COUCH DAYBREAK LAUREL NURSING LAB W/COORDINATING WHITE MESH |
| CURTAIN TRACK (CT-X): | |
| (CT-1) MANUFACTURER: STYLE: COLOR: | ACROVYN TRADITIONAL TRACK 6062 WHITE |

| GENERAL NOTES | |
|--|--|
| <ul style="list-style-type: none"> ANY AND ALL FINISH SELECTIONS/ COLORS MUST BE SUBMITTED TO ARCHITECT FOR APPROVAL ACCOUNTING FOR PROPER LEAD TIME. ANY FINISH THAT IS INSTALLED WITHOUT ARCHITECTS APPROVAL MAY BE REQUIRED TO BE REMOVED AND REPLACED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORDER ALL MATERIALS AT THE APPROPRIATE TIME. ANY FEES INCURRED AS A RESULT OF FINISHES NOT BEING ORDERED ON TIME WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY DISCREPANCIES BETWEEN ARCHITECTURAL ELEVATION(S), PLAN(S), SCHEDULE(S) AND NOTES MUST BE BROUGHT TO ARCHITECTS ATTENTION. ARCHITECT MUST BE CONTACTED AND GIVE APPROVAL TO MOVE FORWARD WITH SPECIFIC DIRECTION PRIOR TO ANTICIPATED ACTION. ALL INTERIOR PRODUCTS TO MEET/EXCEED FLAME SPREAD RATING PER CODE ALL FLOOR FINISHES TO EXTEND BENEATH ALL MILLWORK. ALL ELECTRICAL PANEL COVERS AND/OR MECHANICAL EQUIPMENT AND/OR DUCTING TO BE PAINTED TO MATCH ADJOINING WALL. ANY CEILING HVAC SUPPLY/DIFFUSERS ETC. TO BE PAINTED TO MATCH SURROUNDING CEILING FINISH. ANY QUESTIONS OR CONCERN TO BE BROUGHT TO ARCHITECTS ATTENTION FOR FINAL DECISION PRIOR TO ORDER/INSTALL BY CONTRACTOR OR OTHER. GYPSUM SOFFITS TO BE EXTEND TO CEILING. HORIZONTAL SURFACE OF ALL SOFFITS TO BE PAINTED TO MATCH ADJOINING WALLS UNLESS OTHERWISE SPECIFIED. | |
| CEILINGS: | |
| <ul style="list-style-type: none"> ALL GYPSUM BOARD CEILINGS TO BE PAINTED IN A FLAT WHITE FINISH UNLESS SPECIFIED. ALL EXPOSED MECHANICAL DUCT COVERS SHALL BE PAINTED TO MATCH THE SURROUNDING WALL/ CEILING COLOR. PRIME AS NECESSARY. | |
| WALLS: | |
| <ul style="list-style-type: none"> PROVIDE (1) COAT WALL PRIMER FOLLOWED BY (2) COATS WALL PAINT ON ALL INTERIOR WALL SURFACE UNLESS OTHERWISE NOTED IN SPECIFICATIONS. SEE SPEC FOR DETAILS. WHERE DARK PAINT COLORS ARE APPLIED, USE DEEP GRAY BASE PRIMER TO PREVENT BURNISHING. MATCH EXISTING PAINT COLORS THROUGHOUT BUILDING WHERE NOTED FOR NEW PAINT. PLEASE SEE PAINTS 1-6, WHICH ARE THE ORIGINAL COLORS SPECIFIED. WALLS IN CORRIDORS WHERE CALLED OUT ON FINISH PLAN TO BE PAINTED. | |
| FLOORS: | |
| <ul style="list-style-type: none"> ALL CARPET IN DEMOED AREAS TO BE CAREFULLY REMOVED, STORED, AND RE-INSTALLED IN THE BUILDING WHERE SPECIFIED. PLEASE SEE FIRST & SECOND FLOOR FINISH PLANS FOR EXACT LOCATIONS. IF NECESSARY, ORIGINAL PRODUCTS ARE LISTED IN SCHEDULE TO ORDER EXTRA MATERIAL. NO CHANGES OR SUBSTITUTIONS WILL BE MADE TO THE FOLLOWING FINISHES UNLESS DIRECTED BY THE OWNER OR ARCHITECT. CONTRACTOR TO PROVIDE (TS-1) AT ALL FLOORING MATERIAL CHANGES NEEDING THRESHOLDS. NECESSARY SIZES TO BE DETERMINED BY CONTRACTOR AND V.I.F. BASED ON MATERIAL THICKNESS. | |
| MILLWORK: | |
| <ul style="list-style-type: none"> PROVIDE CLEAR BEAD OF SILICONE OR CLEAR CALK TO SEAL BETWEEN MILLWORK PIECES (E.G. COUNTER TOP AND BACKSPLASH) AND MILLWORK AND WALL. (TYPICAL). | |
| BASE: | |
| <ul style="list-style-type: none"> USE RB-1 AT ALL NEW WALLS/WHERE SCHEDULED TO BE DEMOLISHED. | |
| DOORS: | |
| <ul style="list-style-type: none"> ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED WITH P-2. | |
| OUTLETS: | |
| <ul style="list-style-type: none"> ALL OUTLET SWITCHES AND COVERS TO MATCH EXISTING. | |

| REMARKS |
|--|
| 1. REFER TO REFLECTED CEILING PLAN FOR EXACT DETAILS (MATERIALS, HEIGHTS, SIZES, ETC...) FOR CEILING LAYOUT. |
| 2. ALTERNATE 1 TO INCLUDE WT-1 BACKSPLASH AT NURSING LAB & SIM LAB. |

| ROOM FINISH LEGEND | |
|-----------------------------|-----------------------|
| FLOORS | MISCELLANEOUS |
| CPT = CARPET | PL = PLASTIC LAMINATE |
| LVT = LUXURY VINYL TILE | SS = SOLID SURFACE |
| BASE | TS = TRANSITION STRIP |
| RB = RUBBER BASE | MISC = MISCELLANEOUS |
| WALLS | ST = WOOD STAIN |
| P = PAINT | CT = CURTAIN TRACK |
| WT = WALL TILE | CC = CUBICLE CURTAIN |
| CEILING | MATERIALS |
| ACT = ACOUSTIC CEILING TILE | P.B. = PARTICLE BOARD |
| GYP = GYPSUM BOARD | GYP. = GYPSUM BOARD |

| ROOM FINISH SCHEDULE - FIRST FLOOR | | | | | | | |
|------------------------------------|---------------|------|-------------|---------|----------------|-----------------------|---------|
| ROOM NUMBER | ROOM NAME | BASE | FLOOR | WALLS | MILLWORK | | REMARKS |
| | | | | | CABINET/SHROUD | COUNTERTOP/BACKSPLASH | |
| 101 | CLOSET | RB-1 | CPT-1 | P-1 | | | |
| 102 | NURSING LAB | RB-1 | LVT-1/LVT-2 | P-1/P-5 | PL-1 | SS-1 | 2 |
| 103 | NURSE PD | RB-1 | CPT-1 | P-1 | | | 1 |
| 104 | OFFICE | RB-1 | CPT-1 | P-1 | | | 1 |
| 105 | SIM LAB | RB-1 | LVT-1 | P-1/P-5 | PL-1 | SS-1 | 2 |
| 106 | STORAGE | RB-1 | LVT-1 | P-1 | | | |
| 107 | MOTHER'S ROOM | RB-1 | LVT-2 | P-1 | | | |
| 108 | TESTING | RB-1 | CPT-1 | P-1 | | | 1 |

| ROOM FINISH SCHEDULE - SECOND FLOOR | | | | | | | |
|-------------------------------------|-----------|------|----------------|---------|----------------|-----------------------|---------|
| ROOM NUMBER | ROOM NAME | BASE | FLOOR | WALLS | MILLWORK | | REMARKS |
| | | | | | CABINET/SHROUD | COUNTERTOP/BACKSPLASH | |
| 201 | LIBRARY | RB-1 | EXISTING/CPT-1 | P-1/P-6 | PL-1 | PL-2 | 1 |

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Bryant & Stratton
180 Redtail
Orchard Park NY

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. S.Hunt DRAFTER
JOB CAPT. INTERIORS N.Catizza

SEAL:

TITLE:
FINISH SCHEDULE

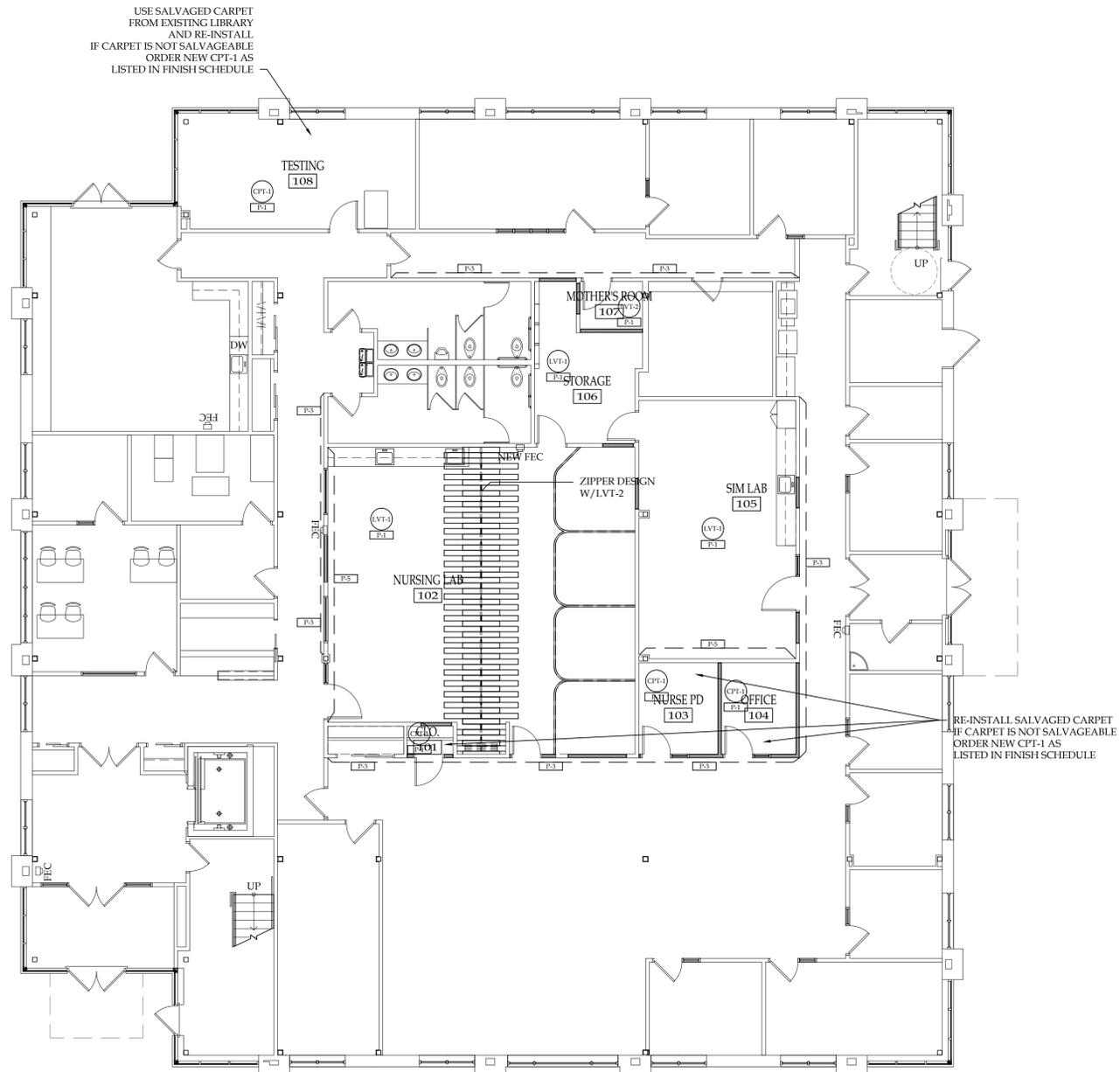


SA JOB #: 17033.05 DATE: 05-23-22

DRAWING #: **A-602**

1 2 3 4 5 6

E
D
C
B
A



A2 FIRST FLOOR FINISH PLAN
SCALE: 1/8"=1'-0"

1 2 3 4 5 6

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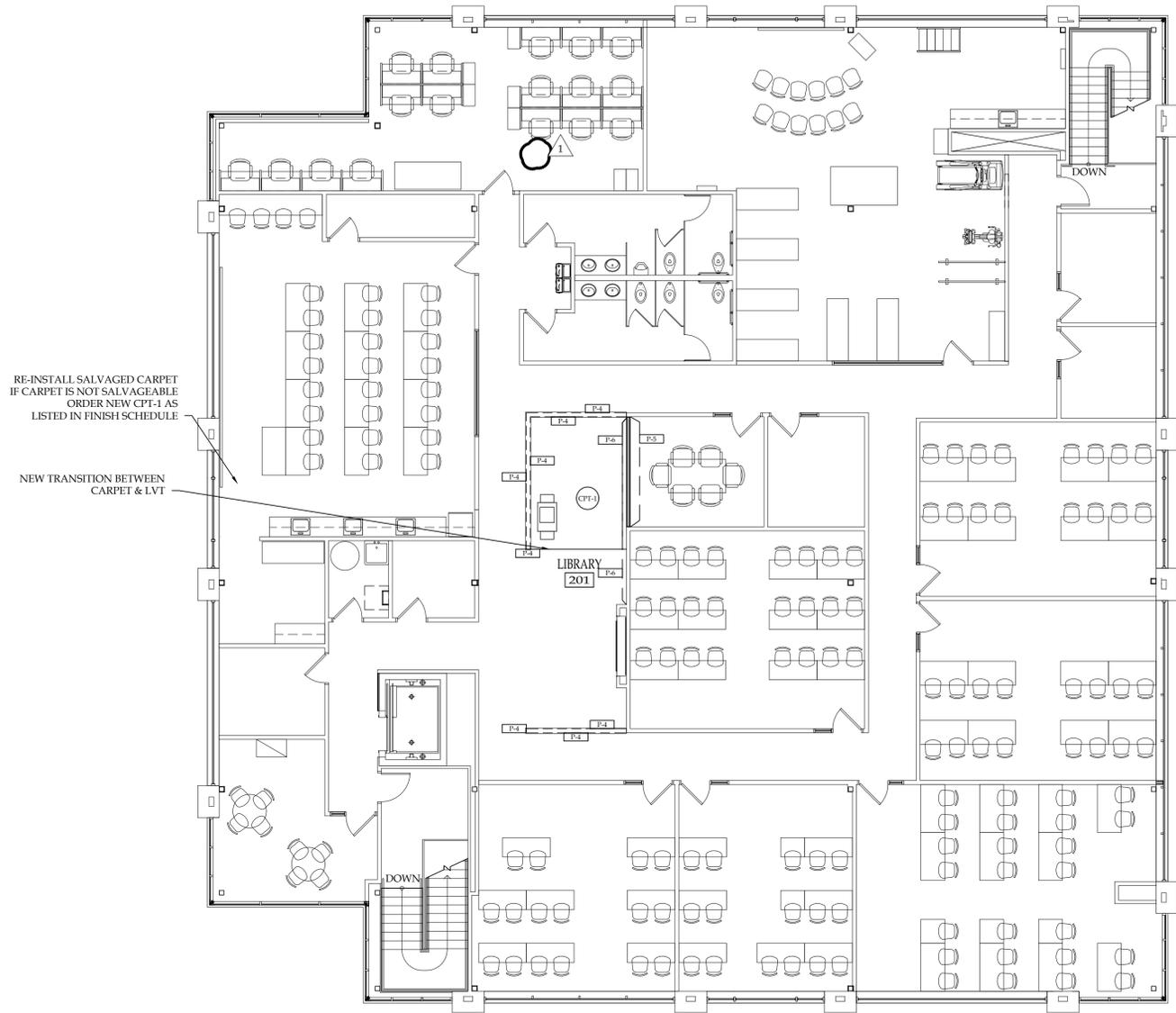
SEAL:

TITLE:
**FIRST FLOOR
 FINISH PLAN**

SILVESTRI
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 AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 17033.05 DATE: 05-23-22

DRAWING #: **A-603**



A2 SECOND FLOOR FINISH PLAN
SCALE: 1/8"=1'-0"

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 FINISH PLAN**

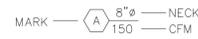
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SA JOB #: 17033.05 DATE: 05-23-22

DRAWING #: **A-604**

AIR DEVICE SCHEDULE

| MARK | TYPE | STYLE | FACE | BASIS OF DESIGN |
|------|--------|--------|---------|-----------------|
| A | SUPPLY | LAY-IN | 12"x12" | TITUS TMS |
| | | | | |
| | | | | |
| | | | | |



1. FINISH TO MATCH ARCHITECTURAL.
2. OPTIONAL VOLUME DAMPER ON ALL DIFFUSERS MOUNTED IN GYPSUM CEILINGS OR SOFFITS.
3. PROVIDE ALL REQUIRED MOUNTING FRAMES AND HARDWARE.

MECHANICAL LEGEND

| | | | |
|--|---------------------------------------|------|--|
| | EXISTING DIFFUSER/GRILLE | AFF | ABOVE FINISHED FLOOR |
| | NEW SUPPLY DIFFUSER | RTU | ROOF TOP UNIT |
| | EXISTING SUPPLY DUCTWORK | VD | VOLUME DAMPER |
| | EXISTING RETURN DUCTWORK | CFM | CUBIC FEET PER MINUTE |
| | EXISTING DUCTWORK TO BE REMOVED | DATS | DISCHARGE AIR TEMP SENSOR |
| | NEW RETURN AIR DUCTWORK | FD | FIRE DAMPER |
| | NEW SUPPLY AIR DUCTWORK | O.A. | OUTSIDE AIR |
| | BALANCE/VOLUME DAMPER | EAG | EXHAUST AIR GRILLE |
| | UNDERCUT DOOR (3/4") | SAR | SUPPLY AIR REGISTER |
| | DETAIL NUMBER DRAWING SHEET NUMBER | RAG | RETURN AIR GRILLE |
| | | NK | NECK |
| | | UD | UNDERCUT DOOR (BY ARCHITECT) |
| | | CC | GENERAL CONTRACTOR |
| | | OBVD | OPPOSED BLADE VOLUME DAMPER |
| | | OED | OPEN END DUCT |
| | | HVAC | HEATING VENTILATING AND AIR CONDITIONING |
| | | MC | MECHANICAL CONTRACTOR |
| | | | POINT OF CONNECTION |

GENERAL HVAC NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF SUPPLY DIFFUSERS, RETURN GRILLES AND EXHAUST GRILLES.
- CONTRACTOR SHALL MAINTAIN A MIN. OF 10 FEET CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUSTS, PLUMBING VENTS, ETC.
- CONTRACTOR SHALL MAINTAIN RECOMMENDED CLEARANCES FOR MAINTENANCE, OPERATION, ETC. ON ALL MECHANICAL EQUIPMENT.
- INSULATED FLEXIBLE SUPPLY AIR DUCT MAY BE USED UP TO 5'-0" FROM SUPPLY DIFFUSERS.
- CONTRACTOR SHALL COORDINATE ALL HVAC WORK WITH OTHER TRADES, ELECTRICAL, PLUMBING, STRUCTURAL, ETC.
- ALL WORK SHALL BE IN FULL COMPLIANCE WITH ALL STATE AND LOCAL CODES AND REGULATIONS.
- HVAC EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL VERIFY ALL EXISTING DUCTWORK (LOCATION AND SIZES).
- PROVIDE FIRE DAMPERS AS REQUIRED ON DUCTS PENETRATING FIRE RATED WALL RATED 2-HR OR MORE. COORDINATE WITH ARCHITECTURAL DRAWINGS.

HVAC SPECIFICATIONS

NOTE: MANUFACTURERS' NAMES ON WHICH THIS SPECIFICATION IS BASED INDICATE THE MINIMUM QUALITY OF PRODUCT REQUIRED. SUBSTITUTION MAY BE MADE TO THOSE SPECIFIED IF DEEMED EQUIVALENT BY THE OWNER'S REPRESENTATIVE. ALL WORK AND PRODUCTS SHALL MEET THE REQUIREMENTS OF GOVERNING CODES.

- ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH ALL APPLICABLE CODES.
- SEE ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS. ALL CONDITION REQUIREMENTS SHALL APPLY UNLESS OTHERWISE NOTED.
- ALL WORK SHALL BE PERFORMED AS INDICATED ON DRAWINGS UNLESS FIELD CONDITIONS REQUIRED MINOR CHANGES BE MADE. MINOR CHANGES SHALL BE MADE WITH NO ADDITIONAL COST.
- ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK BY THE OWNER.
- CONTRACTOR SHALL PREPARE AND SUBMIT AS-BUILT DRAWINGS TO THE OWNER AND THE LANDLORD. AS-BUILT DRAWINGS SHALL INDICATE THE ACTUAL MANUFACTURER OF THE EQUIPMENT THAT WAS INSTALLED, THE EXACT LOCATION OF THE EQUIPMENT AND PERTINENT CAPACITIES FOR HEATING, COOLING, ELECTRICAL, ETC.
- DEFICIENCIES AND NON-COMFORMING ITEMS SHALL BE CORRECTED BY THE CONTRACTOR. FAILURE TO CORRECT SUCH ITEMS SHALL PERMIT THE OWNER TO CORRECT SAME AT A COST TO THE CONTRACTOR
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS AND PAYING FOR SAME. HE SHALL INCLUDE IN HIS BID CHARGES FOR ALL FEES ASSOCIATED WITH THE CONSTRUCTION OF THE SPACE INCLUDING BUT NOT LIMITED TO LOCAL, COUNTY, OR STATE SERVICE CHARGES AND PERMIT FEES.
- THE SCOPE OF WORK OF THIS CONTRACT INCLUDES, BUT SHALL NOT BE LIMITED TO:
 - PROVIDE AND INSTALL ALL EQUIPMENT, APPLIANCES, CONTROL DEVICES, ACCESSORIES, MATERIAL AND LABOR.
 - PROVIDE AND INSTALL ALL DUCTWORK, INSULATION, AIR DEVICES DUCT ACCESSORIES, MATERIAL AND LABOR
 - PROVIDE AND INSTALL ALL PIPING, FITTINGS, VALVES, INSULATION, ACCESSORIES, MATERIAL AND LABOR
 - PROVIDE AND INSTALL TOILET EXHAUST SYSTEM INDICATED.
 - CLEAN, TEST AND PUT INTO SERVICE ALL SYSTEMS SPECIFIED.
 - PROVIDE A BALANCE REPORT PREPARED BY AN INDEPENDENT AABC OR NEBB CERTIFIED AIR BALANCE CONTRACTOR.
 - WARRANTY ALL WORK AND MATERIALS HEREIN SPECIFIED FOR A PERIOD OF NOT LESS THAN ONE YEAR.
- MATERIALS
 - ALL MATERIALS SHALL BE NEW AND OF RECOGNIZED COMMERCIAL QUALITY. USED MATERIALS WILL NOT BE PERMITTED.
 - DUCTWORK

SHALL BE GALVANIZED SHEET METAL, FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF SMACNA - "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE".

DUCTWORK 18" WIDTH AND LARGER SHALL BE CROSS-BROKEN OR RIBBED AND STIFFENED SO THAT IT WILL NOT "BREATHE", RATTLE, VIBRATE OR SAG.
 - FLEXIBLE DUCTWORK

FLEXIBLE DUCTS SHALL BE FLAT METAL SPIRAL WITH FLAME RESISTANCE PER NBFU AND NFPA STANDARDS. DUCTS SHALL HAVE INTEGRAL INSULATION 1" THICK, 3/4 LB. DENSITY GLASS FIBER ENCLOSED IN A VINYL VAPOR BARRIER. MINIMUM R VALUE = 5. SECURE INSULATED JACKET TO DUCT TAKEOFFS AND DIFFUSER COLLARS. MAXIMUM LENGTH OF FLEXIBLE DUCT IS 5'-0".

ALL FLEX DUCT SHALL BE FULLY STRETCHED OUT TO REDUCE AIR RESISTANCE.

CONNECTIONS TO FITTINGS OR AIR DEVICES SHALL BE MADE WITH TWO (2) STAINLESS STEEL BANDS. THE INNER LINER SHALL BE CLAMPED TIGHT WITH THE FIRST BAND, THEN THE INSULATION AND VAPOR-PROOF JACKET PULLED TO BE TIGHT AGAINST THE DUCT FITTING OR AIR DEVICE AND SECURED WITH THE SECOND BAND. INSTALLATION SHALL BE AS RECOMMENDED BY THE DUCT MANUFACTURER AND SMACNA

SUPPORT THE FLEXIBLE DUCT WITH ADEQUATE HANGERS TO RELIEVE STRAIN ON ANY FITTING. UNNECESSARY BENDS, SAGS, TWISTS, WILL NOT BE ALLOWED.
 - DUCT INSULATION

INSULATION SUPPLY AND RETURN AIR DUCTWORK WITH MINIMUM R=6 FOR NON-COITIONED SPACE AND MIN R=12 FOR OUTSIDE DUCTS IN ACCORDANCE WITH THE STATE ENERGY CONSERVATION CODE. PROVIDE VAPOR BARRIER.

LINED DUCT SHALL BE LINED WITH 1" THICK COATED FIBERGLASS BOARD EQUAL TO JOHNS MANVILLE "PERMACOTE" INSULATION. SHALL BE PER SMACNA STANDARDS AND MANUFACTURER'S INSTRUCTIONS. LINED DUCTWORK SHALL BE USED WHERE INDICATED ON DRAWING

ALL DUCT INSULATION SHALL BE UL LABELED FOR FIRE AND SMOKE RATINGS.

DUCT INSULATION SHALL BE EQUAL TO PRODUCTS MANUFACTURED BY CERTAINTED AND SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - AIR DEVICES

CEILING DIFFUSERS SHALL HAVE A FRAME STYLE COMPATIBLE WITH THE TYPE OF CEILING USED. THE DIFFUSER FACE SIZE OR FACE PLATE SIZE SHALL BE OF THE SAME NORMAL SIZE AS THE CEILING MODULE. DIFFUSERS SHALL HAVE HIGH ANTI-SMUDGE CHARACTERISTICS. REFER TO AIR DEVICE SCHEDULE.
 - PIPING AND FITTINGS

CONDENSATE DRAIN PIPING SHALL BE TYPE L COPPER WITH SOLDERED JOINTS AND WROUGHT COPPER FITTINGS.

10. EQUIPMENT

HVAC EQUIPMENT SHALL BE AS SCHEDULED ON THE DRAWINGS AND/OR SPECIFIED HEREIN. EQUIVALENT EQUIPMENT AND/OR COMPONENTS THEREOF MAY BE SUBSTITUTED FOR SPECIFIED EQUIPMENT ONLY AS APPROVED BY THE OWNER AND/OR THE PROJECT ENGINEER.

11. EXECUTION

11.1. GENERAL

ACCESSIBILITY - ALL EQUIPMENT SHALL BE INSTALLED IN SUCH A MANNER THAT ALL COMPONENTS REQUIRING ACCESS ARE LOCATED AND INSTALLED THAT THEY MAY BE SERVICED, RESET, REPLACED, OR RECALIBRATED, ETC., BY SERVICE PEOPLE WITH NORMAL SERVICE TOOLS AND EQUIPMENT.

WORK BY OTHER TRADES - FOR THE WORK REQUIRED BY OTHER TRADES FOR CHANGES MADE BY THIS CONTRACTOR IN TYPE OR SIZE OF EQUIPMENT PURCHASED, ANY CUTTING, PATCHING, FURRING, PAINTING, ELECTRICAL OR PLUMBING WORK SHALL BE DONE BY THE AFFECTED TRADE AT THIS CONTRACTOR'S EXPENSE.

EARLY START-UP - THIS CONTRACTOR SHALL ENSURE THAT ALL MECHANICAL EQUIPMENT IS CONNECTED WITH ELECTRICAL POWER AS EARLY AS POSSIBLE SO THAT BALANCING AND TESTING CAN BEGIN AT THE EARLIEST DATE AVAILABLE.

CLEANING AND PAINTING - THOROUGHLY CLEAN ALL EQUIPMENT AND REMOVE ALL TRASH, CARTONS, ETC., FROM THE WORK AREA. MAKE ANY NECESSARY CORRECTIONS OR REPAIR/ REPLACE ANY DAMAGED MATERIALS OR EQUIPMENT. LEAVE THE ENTIRE SPACE IN A THOROUGHLY CLEAN AND ORDERLY MANNER. ANY FINISHED SURFACES THAT HAVE BEEN SCRATCHED OR DISCOLORED SHALL BE TOUCHED UP OR REPAINTED TO MATCH THE ORIGINAL COLOR. IF ANY PART HAS BEEN BENT, BROKEN OR OTHERWISE DAMAGED, IT SHALL BE REPLACED PRIOR TO PROJECT CLOSEOUT. ALL METAL ITEMS INSIDE THE BUILDING SUBJECT TO RUSTING, AND ALL FERROUS METAL EXPOSED TO THE WEATHER SHALL BE GIVEN ONE COAT OF RUST PREVENTIVE PRIMER AS SOON AS INSTALLED.

11.2. EQUIPMENT INSTALLATION

ALL EQUIPMENT AND RELATED PIPING, DUCTWORK, CONTROL WIRING AND ACCESSORIES SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING LINES AND, IF INSTALLED WITHIN THE BUILDING ENVELOPE SHALL BE INSTALLED AS HIGH AS POSSIBLE TO ALLOW THE MAXIMUM AMOUNT OF HEADROOM. EQUIPMENT THAT REQUIRES ROUTINE MAINTENANCE SUCH AS FILTER REPLACEMENT SHALL BE INSTALLED AND ARRANGED TO BE ACCESSIBLE. PROVIDE ACCESS PANEL(S) AS REQUIRED AND/OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT SHALL BE INSTALLED WITH THE REQUIRED CLEARANCES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER OR AS REQUIRED BY GOVERNING CODES, WHICHEVER IS GREATER.

11.3. DUCTWORK

LOW PRESSURE DUCTWORK AND FITTING SHALL BE MADE TIGHT FOR MINIMUM AIR LEAKAGE. DUCT TAPE SHALL NOT BE USED TO SEAL JOINTS, TO MAKE TRANSITIONS OR FOR ANY OTHER REASON ON THE OUTSIDE OF THE WRAPPED INSULATION

INSTALL DUCTWORK AS HIGH AS POSSIBLE.

PROVIDE TURNING VANES AT ALL CHANGES IN DIRECTION.

PROVIDE VANED TEES AT BRANCH CONNECTIONS SERVING MORE THAN ONE DIFFUSER

PROVIDE VOLUME CONTROL DAMPERS AND BALANCING DEVICES AS REQUIRED TO DISTRIBUTE THE AIR AND AS INDICATED ON THE DRAWINGS.

NOTE: DUCT DIMENSIONS INDICATED ON THE DRAWINGS ARE INSIDE CLEAR, OR "FREE AREA" DIMENSIONS. CONTRACTOR SHALL MAKE ALLOWANCE FOR INTERNAL DUCT LINER (WHERE SPECIFIED) WHEN ORDERING PRE-FABRICATED DUCTWORK OR WHEN FABRICATING DUCTS IN THE FIELD.

11.4. AIR DEVICES

INSTALL ALL GRILLES AND DIFFUSERS TO BE FLUSH WITH THE PENETRATED SURFACE AND LEVEL OR STRAIGHT WITH SURROUNDING FEATURES. ALL CEILING MOUNTED AIR DEVICES SHALL BE LOCATED IN THE CEILING TILE INDICATED ON THE DRAWINGS. AT THE PROPER HEIGHT TO HOLD IT SNUG AGAINST THE CEILING.

12. INSTALL ROOF MOUNTED EQUIPMENT SUPPORT RAILS OR ROOF CURB AS REQUIRED FOR THE JOB CONDITIONS AND AS RECOMMENDED BY THE MANUFACTURER FOR THE INSTALLATION OF ROOF MOUNTED EQUIPMENT.

ALL ROOF PENETRATIONS FOR POWER AND CONTROL WIRING CONDUITS AND GAS, CONDENSATE, OR REFRIGERANT PIPING SHALL BE MADE WITH WATERPROOF PIPE SLEEVES OR CURB(S).

13. THIS CONTRACTOR SHALL ENGAGE THE SERVICES OF AN AABC OR NEBB CERTIFIED AIR BALANCE CONTRACTOR TO ADJUST AND COMPLETELY BALANCE THE INSTALLED SYSTEM(S) TO THE DESIGN AIR QUANTITIES. CONTRACTOR SHALL PROVIDE THE OWNER AND THE LANDLORD A COPY OF THE CERTIFIED AIR BALANCE REPORT SHOWING DESIGN AND MEASURED AIR QUANTITIES, STATIC PRESSURES, FAN MOTOR RPM AND MOTOR CURRENT, DEVIATION BETWEEN DESIGN AND MEASURED QUANTITIES SHALL NOT BE GREATER THAN 10%.

14. ALL MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.

FOR THE SAME PERIOD, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE PREMISES BY DEFECTS IN HIS WORKMANSHIP OR WORK AND/OR EQUIPMENT INSTALLED BY OTHERS UNDER HIS CONTRACT.

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Bryant & Stratton
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PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. S.Hunt INTERIORS N.Catuzza

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SPECIFICATIONS AND NOTES



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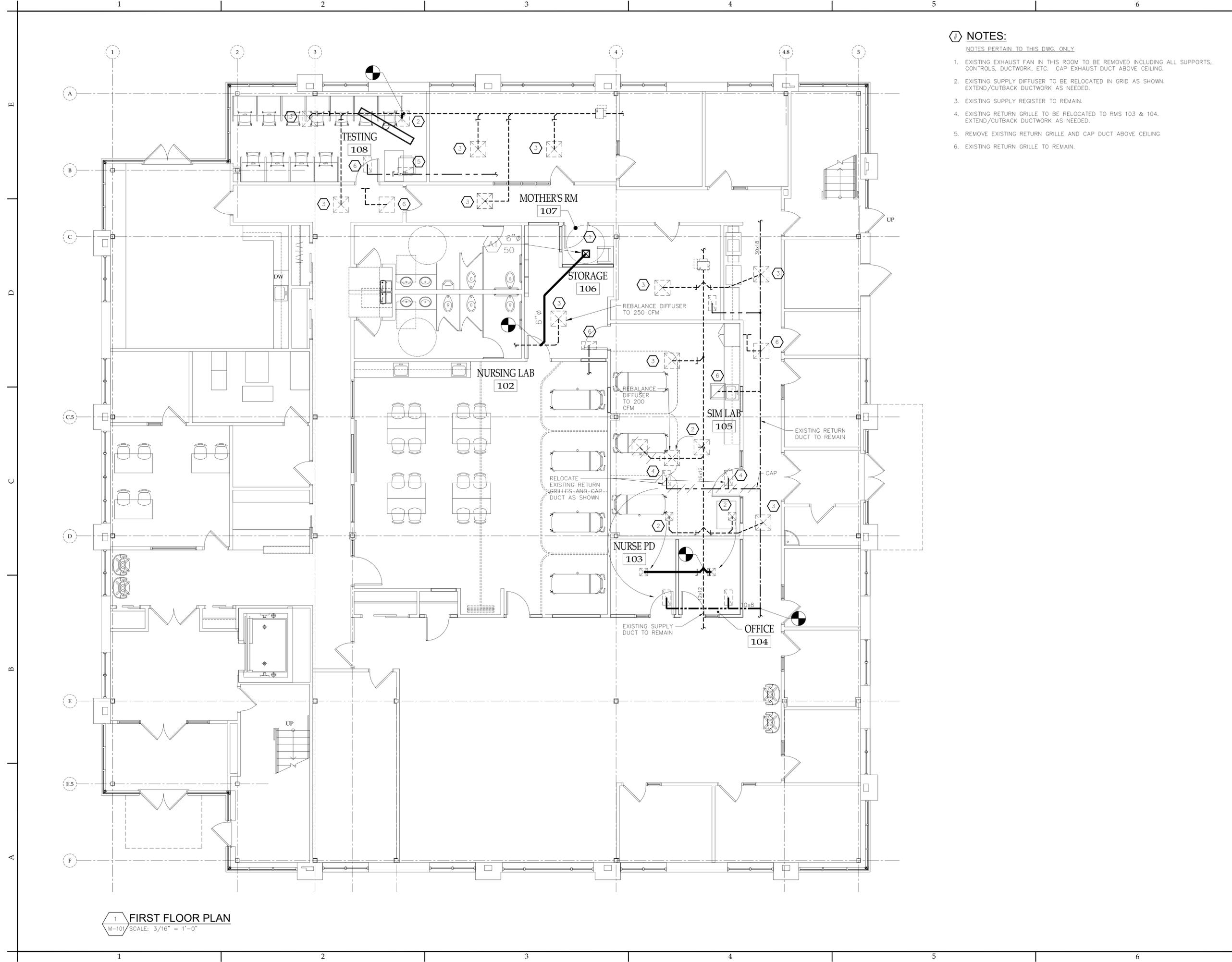
17033.04

DATE:

05-23-22

DRAWING #:

M-100



NOTES:

NOTES PERTAIN TO THIS DWG. ONLY.

1. EXISTING EXHAUST FAN IN THIS ROOM TO BE REMOVED INCLUDING ALL SUPPORTS, CONTROLS, DUCTWORK, ETC. CAP EXHAUST DUCT ABOVE CEILING.
2. EXISTING SUPPLY DIFFUSER TO BE RELOCATED IN GRID AS SHOWN. EXTEND/CUTBACK DUCTWORK AS NEEDED.
3. EXISTING SUPPLY REGISTER TO REMAIN.
4. EXISTING RETURN GRILLE TO BE RELOCATED TO RMS 103 & 104. EXTEND/CUTBACK DUCTWORK AS NEEDED.
5. REMOVE EXISTING RETURN GRILLE AND CAP DUCT ABOVE CEILING
6. EXISTING RETURN GRILLE TO REMAIN.

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FIRST FLOOR HVAC PLAN



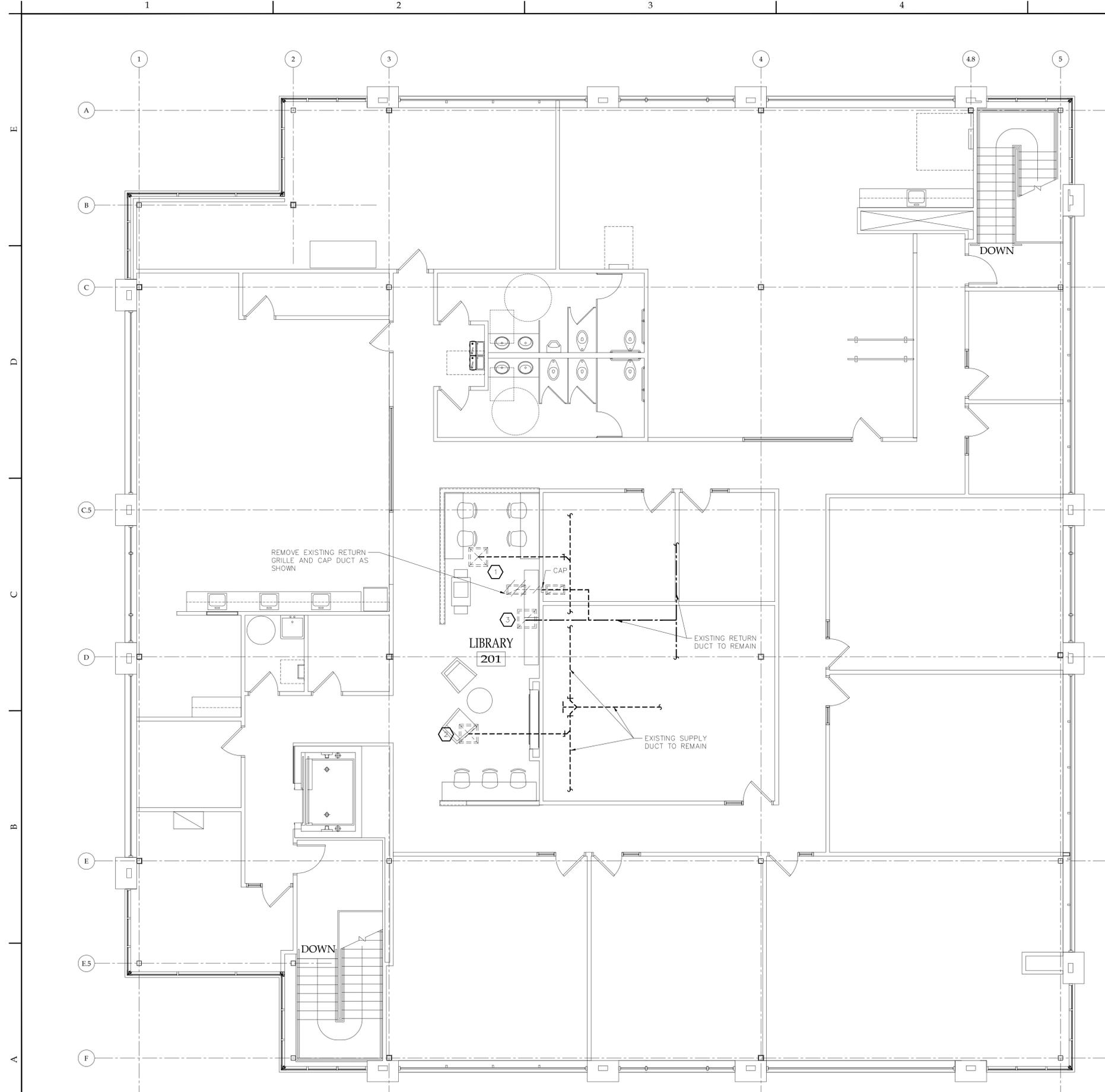
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SA JOB #: 17033.04 DATE: 05-23-22

DRAWING #: M-101

FIRST FLOOR PLAN
 M-101 SCALE: 3/16" = 1'-0"



NOTES:

NOTES PERTAIN TO THIS DWG. ONLY

1. EXISTING SUPPLY DIFFUSER TO BE RELOCATED IN GRID AS SHOWN. EXTEND/CUTBACK DUCTWORK AS NEEDED.
2. EXISTING SUPPLY REGISTER TO REMAIN.
3. EXISTING RETURN GRILLE TO REMAIN.

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**SECOND FLOOR
HVAC PLAN**



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SA JOB #: 17033.04

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DRAWING #:

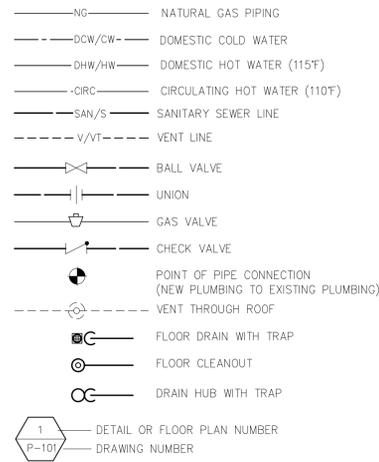
M-102

1 SECOND FLOOR PLAN
M-102 SCALE: 3/16" = 1'-0"

PLUMBING FIXTURE SCHEDULE

Table with columns: MARK, FIXTURE AND TYPE, SYMBOL, DRAINAGE (SAN, VENT), DOMESTIC WATER (DCW, DHW, DTW), REMARKS. Includes entries for Counter Sink (Undermount) and Counter Sink (ADA).

LEGEND



GENERAL NOTES:

- A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC. EXACT LOCATIONS AND ROUTINGS SHALL BE DETERMINED IN THE FIELD BEFORE AND AS THE WORK PROGRESSES. CAREFULLY COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES.
B. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION, ETC. WHICH MAY BE REQUIRED BY ACTUAL FIELD CONDITIONS. THE CONTRACTOR IS TO FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION AND MAKE SUCH CHANGES IN PIPING, EQUIPMENT LOCATIONS, ETC. AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS. COORDINATE ALL CHANGES WITH OTHER TRADES AND ARCHITECT/ENGINEER.
C. ALL CUTTING AND PATCHING OF BUILDING COMPONENTS REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. ALL PATCHING SHALL MATCH THE EXISTING COMPONENTS AND FINISHES. CUTTING AND PATCHING WORK SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULARLY EMPLOYED FOR SUCH SERVICES.

PLUMBING SPECIFICATIONS

DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

PLUMBING WORK SHALL BE AS INDICATED ON THE PLANS AND AS HEREIN SPECIFIED. WORK SHALL CONSIST OF PROVIDING A COMPLETE AND OPERATIONAL SYSTEM INCLUDING ALL FIXTURES, PIPING, VALVES, AND OTHER REQUIRED DEVICES, EQUIPMENT, ETC. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL CODE REQUIREMENTS. WHERE THERE ARE CONFLICTS BETWEEN THE PLANS, SPECIFICATIONS, AND CODE REQUIREMENTS, THE CONTRACTOR SHALL MAKE ANY ADJUSTMENTS AS REQUIRED FOR COMPLIANCE WITH ALL CODES AND FOR APPROVAL OF THE SYSTEM. THE SYSTEM SHALL EXTEND TO AND CONNECT INTO THE EXISTING PROJECT WATER AND WASTE SYSTEM AS INDICATED ON THE DRAWINGS.

WHENEVER A MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT IS IDENTIFIED ON THE DRAWINGS BY REFERENCE TO MANUFACTURERS' OR VENDORS NAMES, TRADE NAMES, CATALOG NUMBERS, OR THE LIKE, IT IS SO IDENTIFIED FOR THE PURPOSE OF ESTABLISHING A STANDARD, AND ANY MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT OF OTHER MANUFACTURERS OR VENDORS WHICH WILL PERFORM ADEQUATELY THE DUTIES IMPOSED BY THE GENERAL DESIGN WILL BE CONSIDERED EQUALLY ACCEPTABLE PROVIDED THE MATERIAL, ARTICLE OR PIECE OF EQUIPMENT SO PROPOSED IS, IN THE OPINION OF THE ARCHITECT/ENGINEER, OF EQUAL SUBSTANCE, APPEARANCE, AND FUNCTION. THE MATERIAL, ARTICLE OR PIECE OF EQUIPMENT SHALL NOT BE PURCHASED OR INSTALLED BY THE CONTRACTOR WITHOUT THE ARCHITECT'S/ ENGINEER'S WRITTEN APPROVAL.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL, SHOP DRAWINGS AND/OR MANUFACTURERS SUBMITTAL DATA WITH CAPACITY AND CHARACTERISTICS OF ALL MATERIAL AND EQUIPMENT FOR APPROVAL PRIOR TO PURCHASE AND OR INSTALLATION OF THE WORK. A MINIMUM OF FIVE (5) COPIES SHALL BE SUBMITTED. SUBMITTALS SHALL BE IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT.

THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BEGINNING WORK FOR THE PURPOSE OF OBSERVING EXISTING CONDITIONS AND TO DETERMINE THE EXTENT OF THE WORK. THE CONTRACTOR SHALL MAKE ALLOWANCES FOR PROVIDING ALL MATERIAL, EQUIPMENT, AND LABOR AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS, SPECIFICATIONS, AND ALL CODE REQUIREMENTS.

ALL WATER AND CONDENSATE PIPING SHALL BE TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS. JOINTS SHALL BE SOLDERED WITH LEAD FREE SOLDER. ALL EXPOSED PIPING SHALL BE CHROME PLATED. WASTE AND VENT SHALL BE SERVICE WEIGHT CAST IRON WITH EITHER NO-HUB OR "CHARLOTTE SEAL" JOINTS. NO-HUB JOINTS ARE NOT PERMITTED BELOW GRADE. ALL EQUIPMENT REQUIRING PLUMBING CONNECTIONS SHALL BE CONNECTED BY THE PLUMBER REGARDLESS OF WHO PROVIDES THE EQUIPMENT OR FIXTURE. UNDERGROUND WATER PIPING SHALL BE TYPE "K" COPPER OR SCHEDULE 40 PVC. FORCED MAINS SHALL BE PVC OR APPROVED EQUAL.

ALL COLD AND CONDENSATE WATER PIPING ABOVE GRADE SHALL BE INSULATED (HOT/CIRCULATING WATER PIPING MINIMUM 1" THICK 3 PCF DENSITY FIBERGLASS PIPE COVERING WITH VAPOR BARRIER JACKET OR AS REQUIRED BY CODE). (COLD WATER AND CONDENSATE PIPING 1/2"INSULATION UP TO 2" PIPE AND 1"INSULATION ON 2-1/2"PIPE AND ABOVE WITH 3 PCF DENSITY FIBERGLASS PIPE COVERING WITH VAPOR BARRIER JACKET OR AS REQUIRED BY CODE). ALL JOINTS SHALL BE LAPPED AND SEALED WITH AN APPROVED TYPE ADHESIVE AND END STRIPS AS RECOMMENDED BY THE INSULATION SUPPLIER AND/OR MANUFACTURER.

HORIZONTAL STORM/SEWER PIPING ABOVE GRADE SHALL BE INSULATED WITH MINIMUM 1" THICK 3 PCF DENSITY FIBERGLASS PIPE COVERING WITH VAPOR BARRIER JACKET OR AS REQUIRED BY CODE. ALL JOINTS SHALL BE LAPPED AND SEALED WITH AN APPROVED TYPE ADHESIVE AND END STRIPS AS RECOMMENDED BY THE INSULATION SUPPLIER AND/OR MANUFACTURER. (TO AVOID CONDENSATION) DRAIN HUBS TO BE INSULATED.

VACUUM BREAKERS SHALL BE PROVIDED FOR ALL HOSE CONNECTIONS AND OTHER POINTS WHERE CROSS CONTAMINATION CAN OCCUR. REDUCED PRESSURE BACKFLOW PREVENTERS SHALL BE PROVIDED WHERE REQUIRED BY CODE. ALL FIXTURES, HOSE BIBBS, FLOOR DRAINS, ETC., SHALL BE PROVIDED AS INDICATED AND SCHEDULED ON THE PLANS. THE SYSTEM SHALL BE TESTED, CLEANED, AND DISINFECTED IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.

THE ENTIRE PLUMBING SYSTEM SHALL BE UNCONDITIONALLY GUARANTEED FOR ONE (1) YEAR FROM ACCEPTANCE BY THE OWNER. ALL GUARANTEES SHALL BE WRITTEN, DATED, AND FORWARDED TO THE OWNER. ALL DEFECTIVE EQUIPMENT AND/OR MATERIAL SHALL BE REPLACED AT NO EXPENSE TO THE OWNER.

AT THE CONTRACTOR'S OPTION, PVC MAY BE UTILIZED ABOVE GRADE IN CONCEALED LOCATIONS FOR DWV SYSTEM. SUBJECT TO CODE COMPLIANCE. APPROVAL FROM OWNER/TENANT OR LOCAL INSPECTOR IS REQUIRED.

AT THE CONTRACTOR'S OPTION, PEX PIPING MAY BE UTILIZED ABOVE GRADE SUBJECT TO CODE COMPLIANCE. APPROVAL FROM OWNER/TENANT OR LOCAL INSPECTOR IS REQUIRED. PEX-A (UPONOR-PEX-A AQUAPEX TUBING), PIPING AND FITTINGS (UPONOR PROPEX F1960)

PVC/CPVC PIPING SHALL HAVE A FLAME SPREAD RATING LESS THAN 25 AND A SMOKE DEVELOPMENT RATING LESS THAN 50.

GAS PIPING - SCHEDULE 40 BLACK STEEL WITH MALLEABLE SCREWED FITTING IN SIZE UP TO 3". AND OVER 3" TO BE SCHEDULE 40 BLACK STEEL WITH WELDED FITTINGS.

NATURAL GAS PIPING - COORDINATE ALL NEW GAS LINES ROUTING PER PLANS IN FIELD. PAINT EXTERIOR GAS PIPING AND SUPPORTS TWO COATS EXTERIOR ENAMEL.

INSTALL EQUIPMENT AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION OR SERVICING AND MAINTENANCE OF EQUIPMENT.

PIPES PENETRATING FIRE WALLS AND FLOORS SHALL BE FIRESTOPPED AS SPECIFIED. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE WALL AND FLOOR LOCATIONS.

ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.

ALL PLUMBING SERVICE PIPING USE ON PROJECT TO MEET ALL STATE AND LOCAL CODES. COORDINATE USE OF PVC PIPING ABOVE AND BELOW GRADE WITH LOCAL AUTHORITIES PRIOR TO WORK START-UP. (NATURAL GAS, WASTE, STORM, VENT, DOMESTIC HOT, COLD AND CIRCULATING WATER LINES)

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TITLE:
SCHEDULES/
SPECIFICATIONS
AND DETAILS

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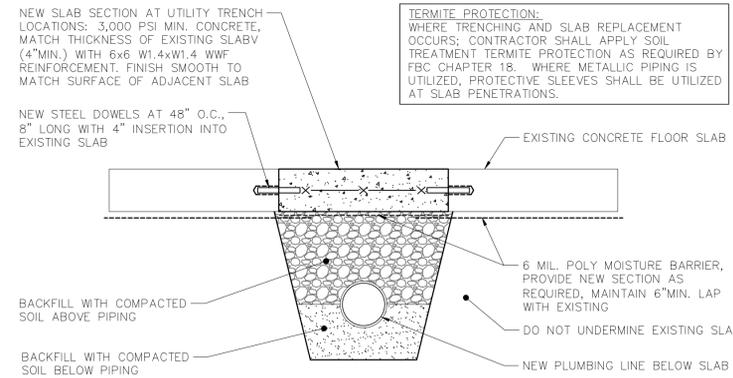
DRAWING #: P-100

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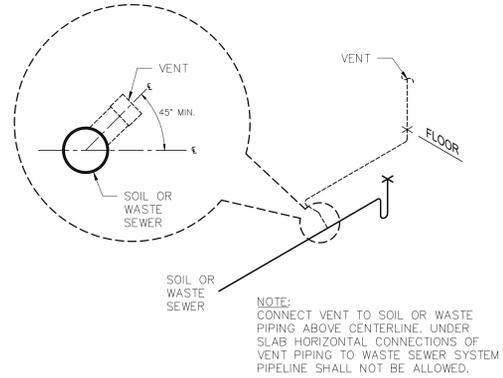
- 1. ROUGH ACCORDING TO ABOVE SCHEDULE UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE PLUMBING INSTALLATION AS SPECIFIED IN SPECIFICATIONS AND ON DRAWINGS. (SYSTEM TO BE A COMPLETE AND OPERATIONAL UPON COMPLETION)
3. PROVIDE ACCESS PANEL ON ALL NON-ACCESSIBLE CEILINGS BELOW PLUMBING VALVES.
4. REFER TO DRAWINGS FOR ADDITIONAL PLUMBING EQUIPMENT SPECIFICATIONS.
5. PLUMBING FIXTURES MANUFACTURER (COUNTER SINKS AND ACCESSORIES) TO BE COORDINATED WITH OWNER'S REPRESENTATIVE PRIOR TO ORDERING.
6. PLUMBING FIXTURES/EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

ABBREVIATIONS

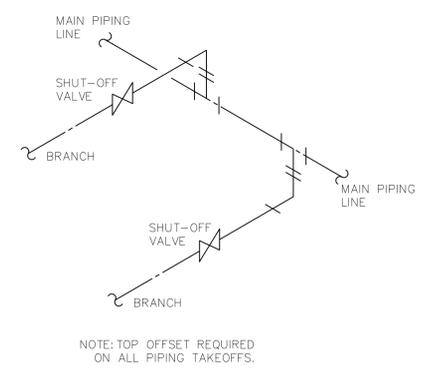
Table with columns: Abbreviation (DCW, DHW, CIRC, NG, SAN, V/VT, VTR, FCO, WCO, POC, SOV, AFF, BFF, CFH, MEP) and Full Name (DOMESTIC COLD WATER, DOMESTIC HOT WATER, CIRCULATING HOT WATER, NATURAL GAS, SANITARY SEWER, VENT THROUGH ROOF, FLOOR CLEANOUT, WALL CLEANOUT, POINT OF CONNECTION, SHUTOFF VALVE, ABOVE FINISHED FLOOR, BELOW FINISHED FLOOR, CUBIC FEET PER HOUR, MECHANICAL-ELECTRICAL-PLUMBING)



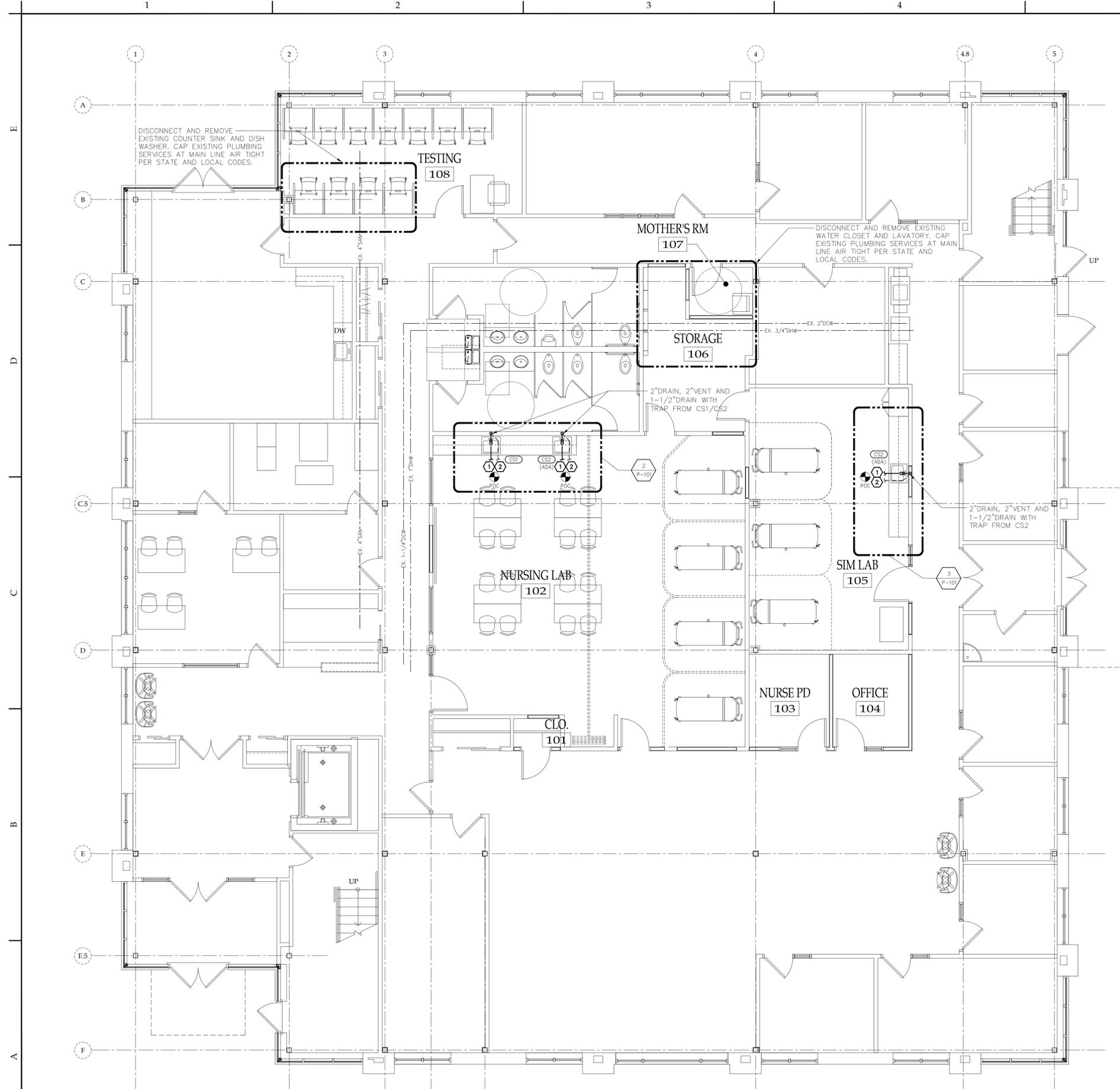
1 SLAB REPAIR DETAIL SCALE: NONE



2 VENT PIPE INSTALLATION SCALE: NONE



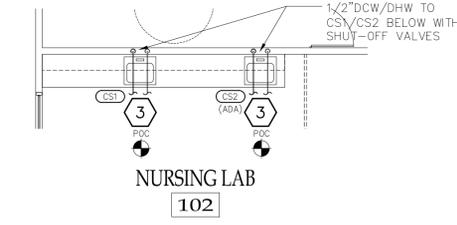
3 PIPING TAKE-OFF DETAIL SCALE: NONE



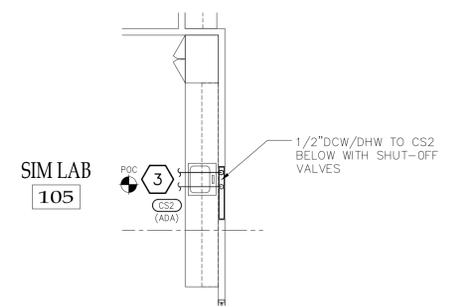
DRAWING NOTES:

1. EXTEND AND CONNECT NEW SANITARY SEWER LINE TO EXISTING SANITARY SEWER LINE. VERIFY CONNECTION POINT IN FIELD. (REFER TO 1/P-100)
2. EXTEND AND CONNECT NEW VENT LINE TO NEAREST VENT LINE, VERIFY CONNECTION POINT IN FIELD.
3. EXTEND AND CONNECT NEW 1/2"DCW/DHW TO EXISTING DCW/DHW (3/4"DCW/DHW MIN.). VERIFY CONNECTION POINT IN FIELD. (REFER TO 3/P-100)
4. EXISTING PLUMBING FIXTURES AND ASSOCIATED PLUMBING SERVICES TO REMAIN. (WASTE/VENT AND DOMESTIC WATER LINES)

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2 PARTIAL FIRST FLOOR PLAN
 P-101/ SCALE: 3/16" = 1'-0"



3 PARTIAL FIRST FLOOR PLAN
 P-101/ SCALE: 3/16" = 1'-0"

Bryant & Stratton
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 Orchard Park NY

ISSUE:

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 JOB CAPT. S.Hunt INTERIORS N.Catuzza

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FLOOR PLANS

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SA JOB #: **17033.04** DATE: **05-23-22**

DRAWING #: **P-101**

1 FIRST FLOOR PLAN
 P-101/ SCALE: 3/16" = 1'-0"

LIGHTING FIXTURE SCHEDULE

- LF-1  REINSTALL EXISTING 1'x8' PENDANT MOUNTED DIRECT/INDIRECT FLUORESCENT REMAINING FROM DEMOLITION
NOTE: COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
- LF-2  NOT USED.
- LF-3  2'x4' RECESSED DIRECT/INDIRECT FLUORESCENT FIXTURE MATCH EXISTING BUILDING FIXTURE MANUFACTURER AND STYLE.
- LF-4 NOT USED.
- LF-5  1'x4' PENDANT MOUNTED DIRECT/INDIRECT FLUORESCENT MATCH LF-1 MANUFACTURER AND STYLE(FIXTURE SHALL BE A 1'x4' VERSION OF TYPE LF-1).
NOTE: COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
- LF-6  1'x4' SURFACE MOUNTED LED WRAPAROUND EATON METALUX SERIES #4WSNLED-LD4-32SL-F-UNV-L835-CD1-U
- LF-7  2'x2' RECESSED DIRECT/INDIRECT FLUORESCENT FIXTURE MATCH EXISTING BUILDING FIXTURE MANUFACTURER AND STYLE.

LIGHTING FIXTURE SCHEDULE NOTES:

1. EC SHALL COORDINATE ALL LIGHTING FIXTURE COLORS AND FINISHES WITH ARCHITECT PRIOR TO ORDERING.
2. PROVIDE 3500K LAMPS FOR ALL LIGHTING FIXTURES.

| ELECTRICAL SYMBOL LIST | |
|---|---|
| LIGHTING | |
|  | 120V LIGHTING WALL SWITCHES, 1 POLE IF NO NOTATION. 3=3 WAY, 4=4 WAY, K=KEY TYPE, II=NUMBER OF SWITCHES (ROMAN NUMERALS). LOWER CASE LETTER INDICATES SWITCH LEG IF APPLICABLE. |
|  | EXIT LIGHT FIXTURE, CEILING MOUNTED REFERENCE LIGHTING FIXTURE SCHEDULE. |
|  | SINGLE POLE TOGGLE SWITCH, 44" AFF |
|  | SWITCH, THREE WAY, 44" AFF |
|  | SWITCH, FOUR WAY, 44" AFF |
|  | VACANCY SENSOR SWITCH, WALL BOX STYLE, 44" AFF, REF. DETAILS SHEET E-501 |
|  | DIMMING VACANCY SENSOR SWITCH, WALL BOX STYLE, 44" AFF, REF. DETAILS SHEET E-501 |
|  | LOW VOLTAGE, DIGITAL DIMMING SWITCH, WALL BOX STYLE, 44" AFF, REF. DETAILS SHEET E-501 |
|  | LOW VOLTAGE, DIGITAL SWITCH, WALL BOX STYLE, 44" AFF, REF. DETAILS SHEET E-501 |
|  | VACANCY SENSOR, DIGITAL ADDRESSABLE TYPE, REF. DETAILS SHEET E-501 |
|  | DAYLIGHT HARVESTING DEVICE, DIGITAL ADDRESSABLE TYPE, REF. DETAILS SHEET E-501 |
|  | OCCUPANCY SENSOR, DIGITAL ADDRESSABLE TYPE, REF. DETAILS SHEET E-501 |
|  | OCCUPANCY SENSOR, ANALOG TYPE, REF. DETAILS SHEET E-501 |
| EM/NL | 2' x 4' RECESSED FIXTURE WIRED UNSWITCHED, UNCONTROLLED TO EMERGENCY LIGHTING CIRCUIT. |
| EM/NL | 2' x 4' RECESSED FIXTURE |
|  | 1' x 4' CEILING/PENDANT MOUNTED FIXTURE WIRED UNSWITCHED, UNCONTROLLED TO EMERGENCY LIGHTING CIRCUIT. |
|  | 1' x 4' CEILING/PENDANT MOUNTED FIXTURE |
| EM/NL | RECESSED DOWNLIGHT WIRED UNSWITCHED, UNCONTROLLED TO EMERGENCY LIGHTING CIRCUIT. |
|  | RECESSED DOWNLIGHT |

| ELECTRICAL SYMBOL LIST | |
|---|--|
| POWER | |
|  | REFERENCE TO DRAWING NOTE. "#" INDICATES NUMBER OF NOTE |
|  | SURFACE MOUNT PANEL BOARD. |
|  | RECESSED MOUNT PANEL BOARD. |
|  | JUNCTION BOX, SIZE INDICATED OR PER NEC. |
|  | 120V, 20A GFI RECEPTACLE |
|  | 120V, 20A DUPLEX RECEPTACLE |
|  | 120V, 20A SIMPLEX RECEPTACLE |
|  | (2) 120V, 20A DUPLEX RECEPTACLES INSTALLED IN COMMON OUTLET BOX UNDER COMMON 2-GANG COVER |
|  | (2) 120V, 20A DUPLEX RECEPTACLES INSTALLED IN COMMON OUTLET BOX UNDER COMMON 2-GANG COVER |
|  | SPECIAL PURPOSE RECEPTACLE SUBSCRIPT INDICATES TYPE |
|  | 120V, 20 AMP PRE-WIRED CUBICLE CONNECTION. EC TO MAKE COMPLETE CONNECTION TO PRE-WIRED CUBICLE UNITS. STANDARD SHALL BE THREE(3) CUBICLES PER 20A CIRCUIT. PROVIDE ONE 1" CONDUIT WITH PULLWIRE FOR EVERY THREE(3) CUBICLES FOR COMMUNICATIONS CABLING INSTALLATION BY OTHERS. ROUTE 1" COMMUNICATIONS CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE. WHERE CUBICLES ARE NOT LOCATED NEAR WALLS OR COLUMNS, EC SHALL ROUTE CONDUITS IN SLAB AS REQUIRED. POWER POLES WILL NOT BE PERMITTED. PROVIDE ALL NECESSARY PROTECTIVE GROMMETS AND BACKBOXES FOR A COMPLETE INSTALLATION. |
|  | INDICATES CONTRACTOR SHALL PROVIDE COMPLETE 120V OR 208V AC CONNECTION TO EQUIPMENT. "X" INDICATES EQUIPMENT TAG. REFERENCE EQUIPMENT WIRING SCHEDULE. |
|  | NEMA 1 DISCONNECT SWITCH, SIZE AND TYPE AS INDICATED ON DRAWINGS. |

| ELECTRICAL SYMBOL LIST | |
|---|--|
| FIRE ALARM | |
|  | FIRE ALARM SYSTEM, MANUAL PULL STATION |
|  | FIRE ALARM SYSTEM, HORN/STROBE NOTIFICATION APPLIANCE |
|  | FIRE ALARM SYSTEM, STROBE ONLY |
|  | FIRE ALARM SYSTEM, THERMODETECTOR, FIXED TEMPERATURE 190°F, UNLESS INDICATED OTHERWISE. |
|  | FIRE ALARM SYSTEM, SMOKE DETECTOR |
|  | SPRINKLER SYSTEM TAMPER SWITCH |
|  | SPRINKLER SYSTEM FLOW SWITCH |
|  | REMOTE ANNUNCIATOR |
|  | FIRE ALARM CONTROL PANEL |
|  | REQUEST TO EXIT DEVICE. SUPPLY A 2-GANG ELECTRICAL BOX AND INSTALL ABOVE DOOR FRAME. SUPPLY 3/4" EMT CONDUIT AND ROUTE WITHIN WALL FROM ELECTRICAL BOX TO ACCESSIBLE CEILING SPACE. SUPPLY CONDUIT WITH PLASTIC BUSHINGS AND PULLSTRING. REQUEST TO EXIT DEVICE AND ASSOCIATED WIRING SHALL BE SUPPLIED AND INSTALLED BY OTHERS. |
|  | 120V ELECTRONIC DOOR STRIKE, SUPPLIED AND INSTALLED BY OTHERS, WIRED BY E.C. |
|  | CARD/KEYFOB READER. SUPPLY A 1-GANG ELECTRICAL BOX AND INSTALL 44" A.F.F. SUPPLY 3/4" EMT CONDUIT AND ROUTE WITHIN WALL FROM ELECTRICAL BOX TO ACCESSIBLE CEILING SPACE. SUPPLY CONDUIT WITH BUSHINGS AND A PULLSTRING, CARD READER AND ASSOCIATED WIRING SHALL BE SUPPLIED AND INSTALLED BY OTHERS. |

| ELECTRICAL SYMBOL LIST | |
|---|--|
| COMMUNICATION & SECURITY | |
|  | CABLE TELEVISION OUTLET-PROVIDE 3/4" RACEWAY WITH PULLWIRE TO NEAREST ACCESSIBLE CEILING SPACE. REF. DETAILS |
|  | COMMUNICATIONS OUTLET, PROVIDE 3/4" RACEWAY WITH PULLWIRE TO NEAREST ACCESSIBLE CEILING SPACE. PROVIDE HDMI WHEN NOTED |
|  | TELEPHONE AND DATA FLUSH FLOOR MOUNTED BOX WITH QUAD RECEPTACLE, PROVIDE 3/4" RACEWAY FOR COMMUNICATIONS CABLING TO NEAREST ACCESSIBLE CEILING SPACE. PROVIDE INDEPENDENT POWER RACEWAY. ROUTE RACEWAYS IN SLAB AS REQUIRED. |

| ABBREVIATIONS | |
|---------------|--|
| AC | AIR CONDITIONER |
| AF | ABOVE FLOOR |
| AFF | ABOVE FINISHED FLOOR |
| AG | ABOVE GRADE |
| C | CONDUIT |
| CE | CEILING |
| CU | CONDENSING UNIT |
| D | DEDICATED |
| DISC | DISCONNECT |
| EF | EXHAUST FAN |
| EM | EMERGENCY BALLAST |
| ER | EXISTING TO BE RELOCATED |
| EWC | ELECTRIC WATER COOLER |
| EWH | ELECTRIC WALL HEATER |
| E | EXISTING TO REMAIN |
| F | FURNACE |
| FACP | FIRE ALARM CONTROL PANEL |
| FP | FIRE PLACE |
| GD | GARBAGE DISPOSAL |
| GFI | GROUND FAULT INTERRUPTER |
| MAU | MAKE UP AIR UNIT |
| MDP | MAIN DISTRIBUTION PANEL |
| N | NEW |
| OC | OVER COUNTER (+6" ABOVE COUNTER BACKSPLASH) EXISTING TO BE REMOVED |
| R | RECESSED |
| RTU | ROOF TOP UNIT |
| UC | UNDER COUNTER |
| UF | UNDERFLOOR |
| UG | UNDERGROUND |
| WG | WIRE GUARD |
| WH | WATER HEATER |
| WP | WATERPROOF (OR) WEATHERPROOF |

GENERAL NOTES:

- A. CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.

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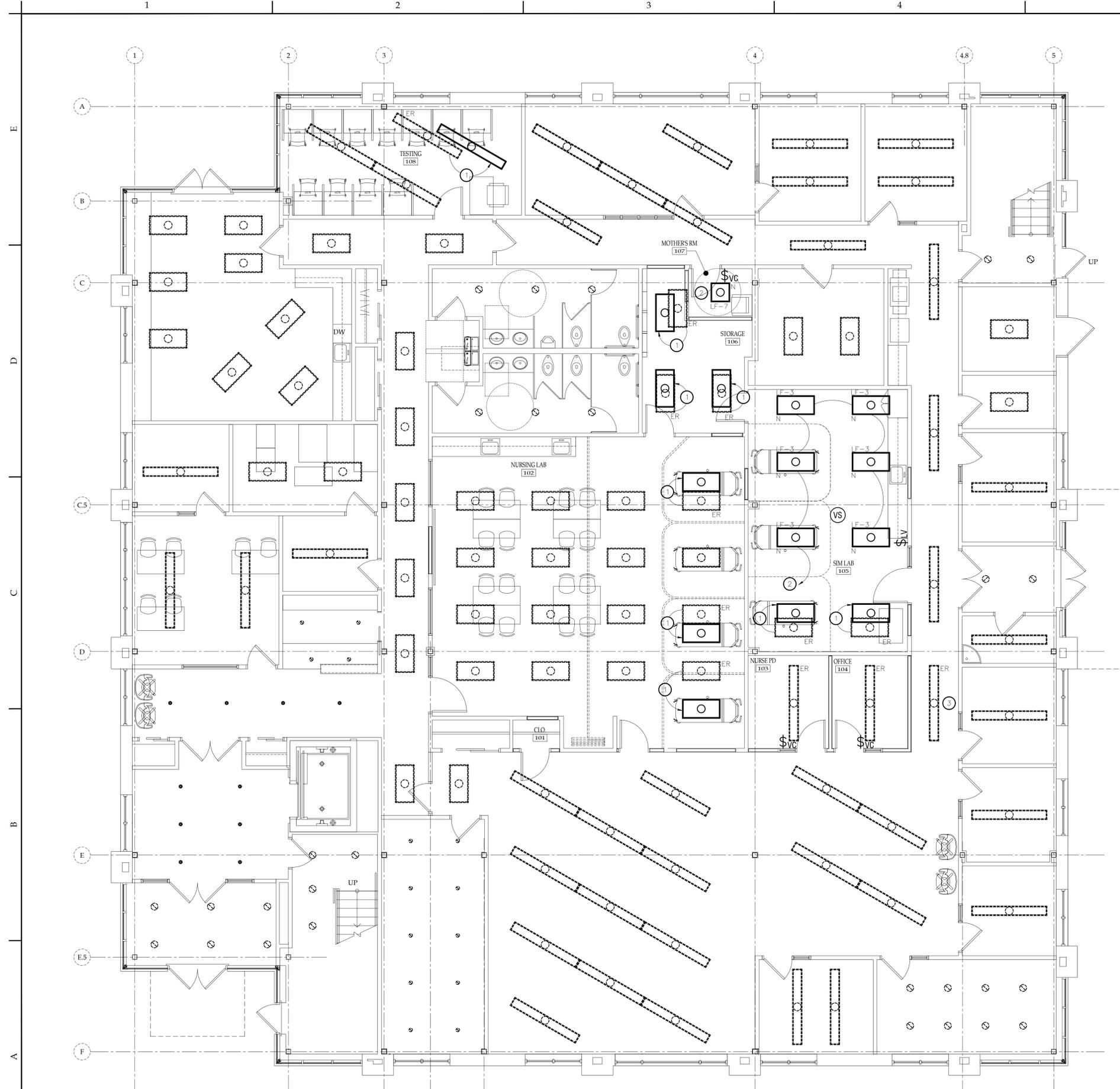
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AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 17033.04 **DATE:** 05-23-22

DRAWING #: E-100



KEYED DRAWING NOTES:

1. RELOCATE EXISTING FIXTURE. REFERENCE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS. EXTEND WIRING AS REQUIRED.
2. FEED NEW LIGHT FIXTURE FROM THE EXISTING LIGHTING CIRCUIT SERVING THIS AREA. PROVIDE NEW SWITCHING AS REQUIRED.
3. FEED NEW LIGHT FIXTURE FROM THE EXISTING LIGHTING CIRCUIT SERVING THIS AREA. CONNECT TO EXISTING LIGHTING CONTROLS SERVING THIS AREA.

GENERAL DRAWING NOTES:

1. REFERENCE SHEETS E-105 AND E-106 FOR LIGHTING CONTROL WIRING DIAGRAMS.

UNLESS OTHERWISE NOTED ALL OTHER AREAS ARE EXISTING AND SHALL REMAIN AS IS.

1 FIRST FLOOR PLAN - LIGHTING
E-101 SCALE: 3/16" = 1'-0"

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TITLE:

**FIRST FLOOR PLAN
- LIGHTING**

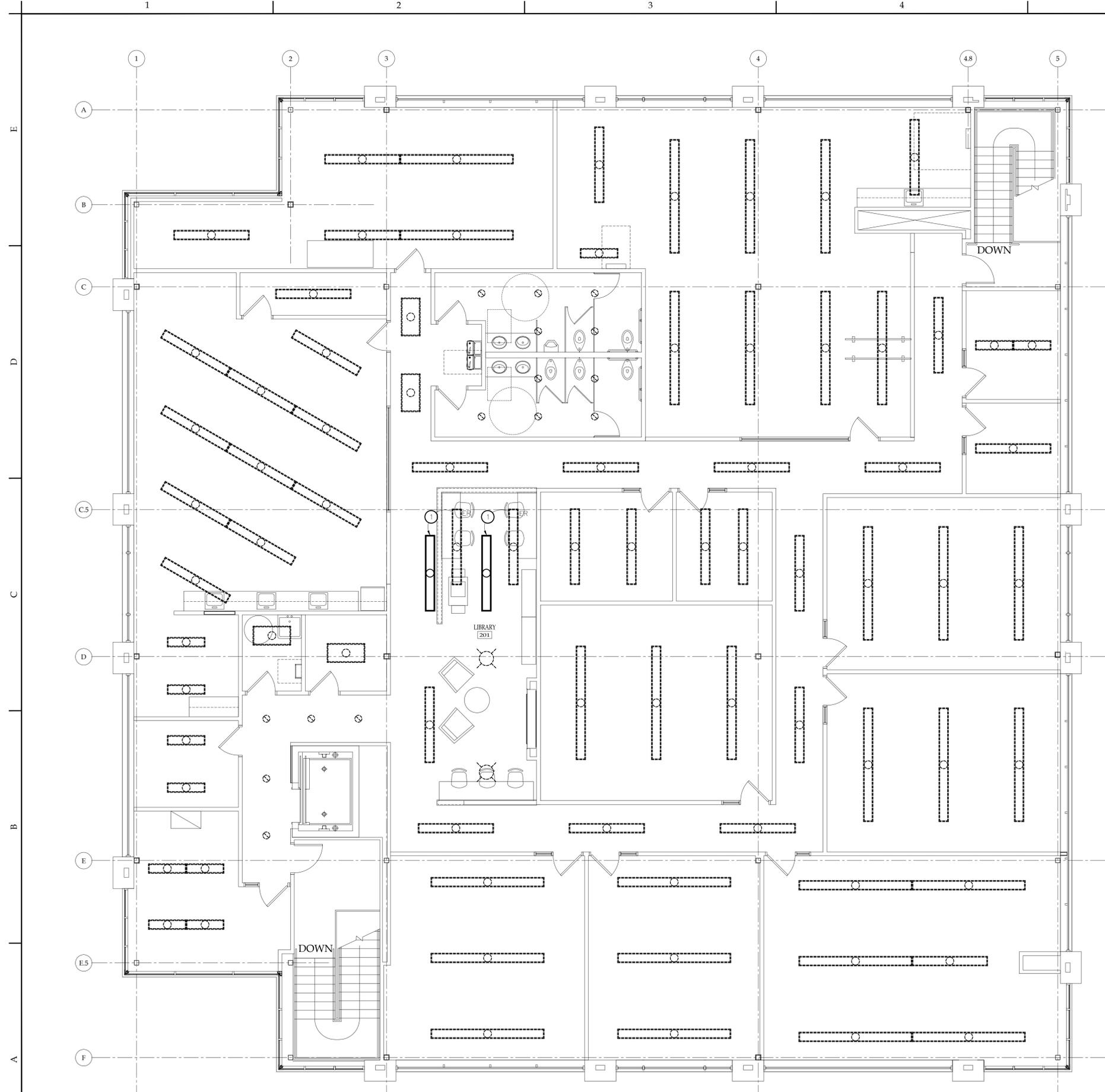


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SA JOB #: 17033.04 DATE: 05-23-22

DRAWING #: E-101



KEYED DRAWING NOTES:

1. RELOCATE EXISTING FIXTURE. REFERENCE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS. EXTEND WIRING AS REQUIRED.

GENERAL DRAWING NOTES:

1. REFERENCE SHEETS E-105 AND E-106 FOR LIGHTING CONTROL WIRING DIAGRAMS.

UNLESS OTHERWISE NOTED ALL OTHER AREAS ARE EXISTING AND SHALL REMAIN AS IS.

1 SECOND FLOOR PLAN - LIGHTING
E-102 SCALE: 3/16" = 1'-0"

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TITLE:

**SECOND FLOOR
PLAN - LIGHTING**

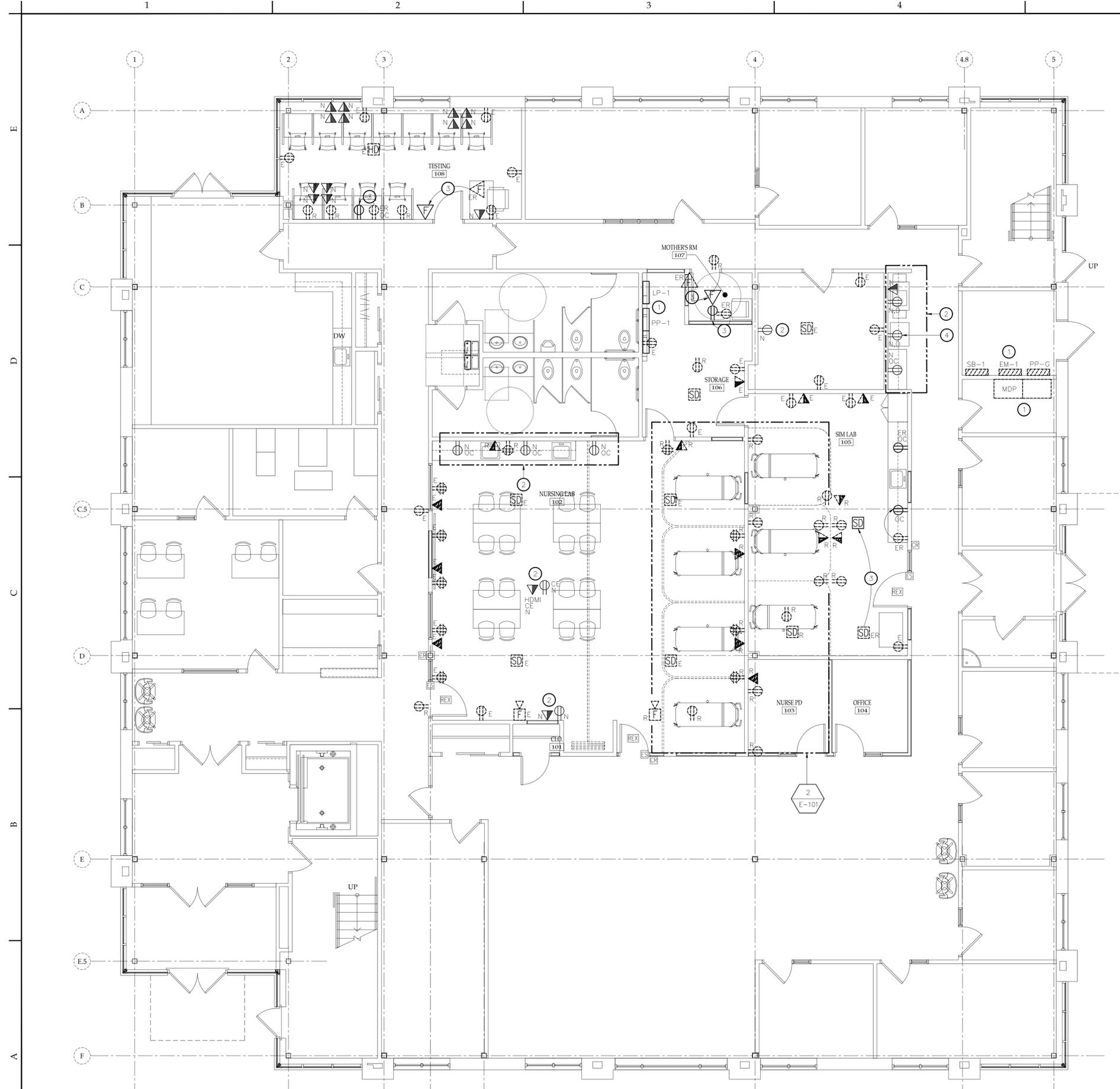


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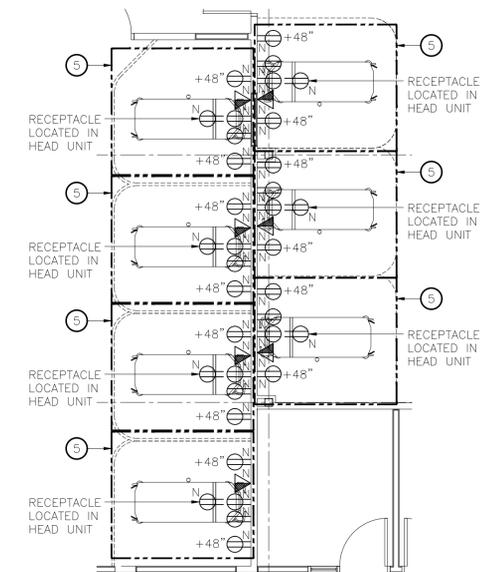
SA JOB #: **17033.04** DATE: **05-23-22**

DRAWING #: **E-102**



1 FIRST FLOOR PLAN - POWER
E-101 SCALE: 3/16" = 1'-0"

UNLESS OTHERWISE NOTED
ALL OTHER AREAS ARE
EXISTING AND SHALL REMAIN
AS IS.



2 PARTIAL FLOOR PLAN - POWER
E-101 SCALE: 3/16" = 1'-0"

GENERAL DRAWING NOTES:

- COORDINATE EXACT QUANTITIES AND LOCATIONS OF RECEPTACLES WITH OWNER PRIOR TO ROUGH-IN.
- NEW RECEPTACLES SHALL BE FED FROM AN EXISTING RECEPTACLE CIRCUIT IN THAT AREA. NO MORE THEN (8)EIGHT RECEPTACLES TO A CIRCUIT UNLESS DESIGNATED AS A DEDICATED CIRCUIT. PROVIDE A NEW 20A/1P CIRCUIT BACK TO THE EXISTING ELECTRIC PANEL SERVING THIS AREA.
- RELOCATE EXISTING DEVICE TO NEW LOCATION AS SHOWN. EXTEND/CUTBACK EXISTING WIRING AS REQUIRED.
- REFRIGERATOR TO BE PROTECTED BY A GFCI TYPE CIRCUIT BREAKER.
- NEW RECEPTACLES SERVING BEDS SHALL BE FED FROM AN NEW 20A/1P RECEPTACLE CIRCUIT. CIRCUIT BACK TO THE EXISTING ELECTRIC PANEL SERVING THIS AREA.

KEYED DRAWING NOTES:

- EXISTING ELECTRIC PANELS ARE EXISTING AND SHALL REMAIN AS IS.
- NEW RECEPTACLES SHALL BE FED FROM AN EXISTING RECEPTACLE CIRCUIT IN THAT AREA. NO MORE THEN (8)EIGHT RECEPTACLES TO A CIRCUIT UNLESS DESIGNATED AS A DEDICATED CIRCUIT. PROVIDE A NEW 20A/1P CIRCUIT BACK TO THE EXISTING ELECTRIC PANEL SERVING THIS AREA.
- RELOCATE EXISTING DEVICE TO NEW LOCATION AS SHOWN. EXTEND/CUTBACK EXISTING WIRING AS REQUIRED.
- REFRIGERATOR TO BE PROTECTED BY A GFCI TYPE CIRCUIT BREAKER.
- NEW RECEPTACLES SERVING BEDS SHALL BE FED FROM AN NEW 20A/1P RECEPTACLE CIRCUIT. CIRCUIT BACK TO THE EXISTING ELECTRIC PANEL SERVING THIS AREA.

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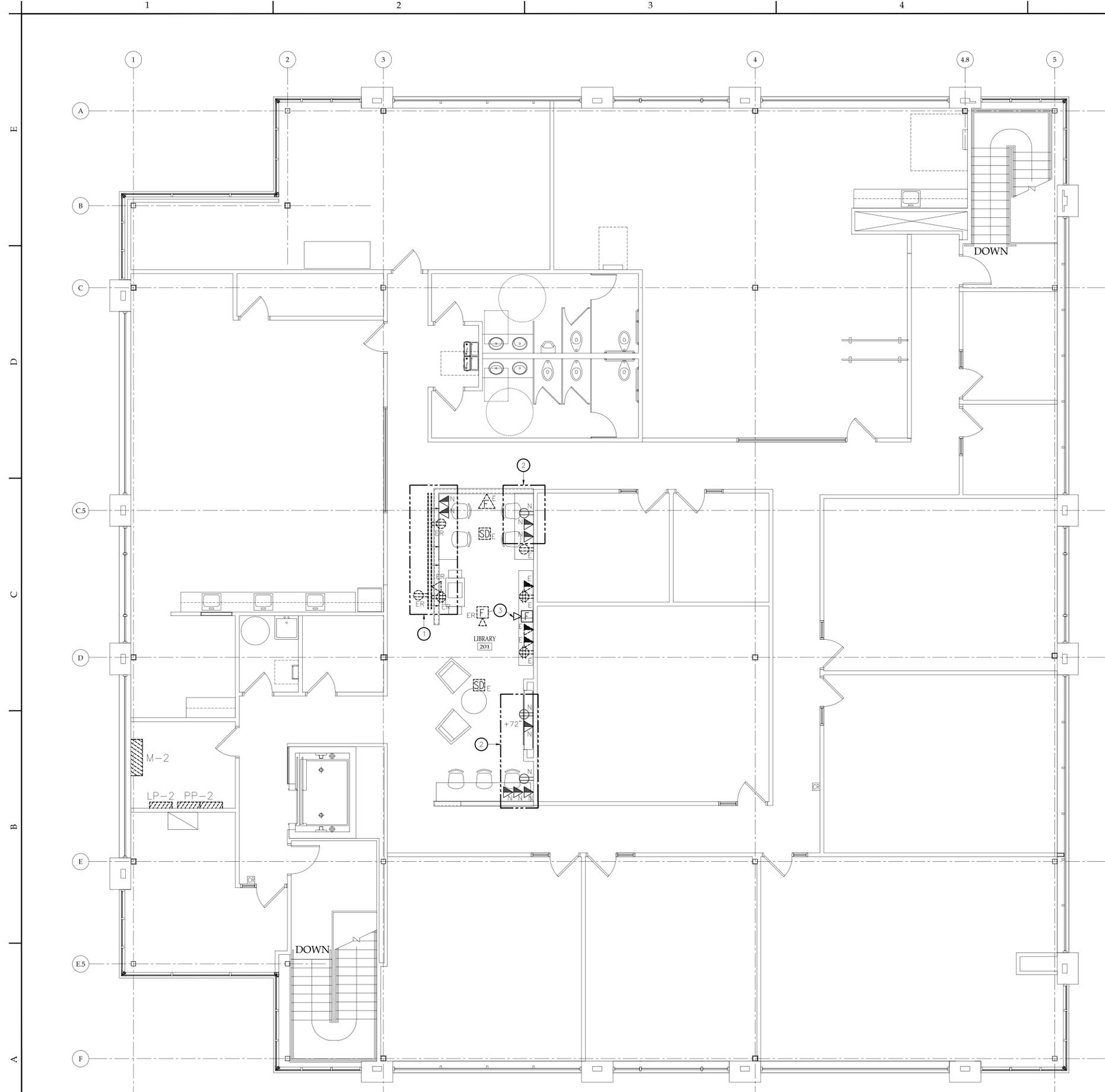
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**FIRST FLOOR
PLAN - POWER**

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SA JOB #: 17033.04 DATE: 05-23-22

DRAWING #: E-103



GENERAL DRAWING NOTES:

1. COORDINATE EXACT QUANTITIES AND LOCATIONS OF RECEPTACLES WITH OWNER PRIOR TO ROUGH-IN.

KEYED DRAWING NOTES:

1. RELOCATE RECEPTACLE/DATA TO NEW WALL LOCATION. EXTEND/CUTBACK EXISTING BRANCH CIRCUIT AS REQUIRED.
2. NEW RECEPTACLES SHALL BE FED FROM AN EXISTING RECEPTACLE CIRCUIT IN THAT AREA. NO MORE THEN (8)EIGHT RECEPTACLES TO A CIRCUIT. PROVIDE A NEW 20A/1P CIRCUIT BACK TO THE EXISTING ELECTRIC PANEL SERVING THIS AREA.
3. RELOCATE EXISTING DEVICE TO NEW LOCATION AS SHOWN. EXTEND/CUTBACK EXISTING WIRING AS REQUIRED.

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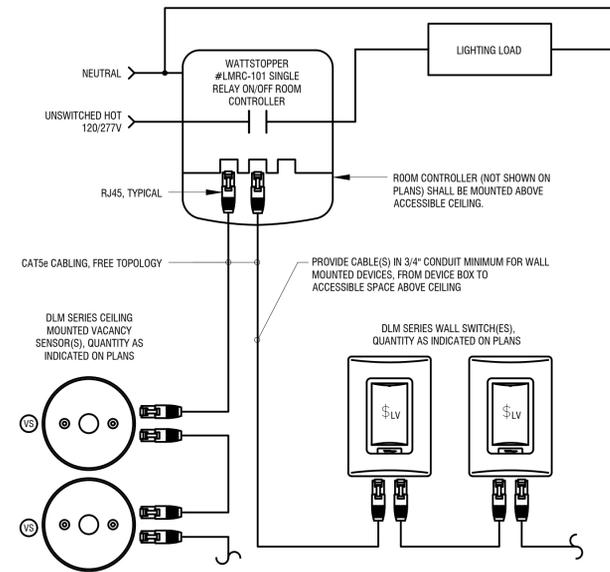
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TITLE:
**SECOND FLOOR
 PLAN - POWER**



SA JOB #: 17033.04 DATE: 05-23-22

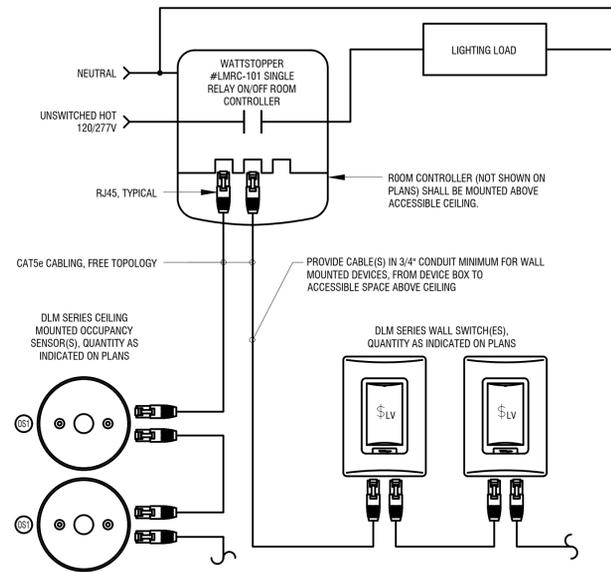
DRAWING #: **E-104**



\$LV LOW VOLTAGE MOMENTARY CONTACT SWITCH, WATTSTOPPER #LMSW
 (VS) VACANCY SENSOR, DIGITAL ADDRESSABLE TYPE, LOW VOLTAGE, DUAL TECHNOLOGY, WIDE VIEW, CEILING MOUNTED, WATTSTOPPER #LMDC-100

- CONTROL NARRATIVE:**
- SYSTEM SHALL BE PROGRAMMED FOR MANUAL-ON CONTROL. VACANCY SENSOR SHALL TURN LIGHTING OFF AFTER A TIME PERIOD OF VACANCY DETERMINED BY OWNER (UP TO A MAXIMUM OF 30 MINUTES).
 - LOW VOLTAGE SWITCH SHALL TURN LIGHTING 'ON/OFF' WITH A TAP OF THE SWITCH.
 - SWITCHES SHALL ALLOW MULTIPLE LOCATION FUNCTIONALITY (IE. 3-WAY, 4-WAY, OR MORE AS SHOWN).
- GENERAL NOTES:**
- ALL EQUIPMENT INDICATED IS AS MANUFACTURED BY WATTSTOPPER, 'DLM' SERIES.
 - PROVIDE BACKBOX FOR ALL DEVICES.
 - EQUIPMENT GROUND CONDUCTOR NOT SHOWN ON SCHEMATIC, BUT IS REQUIRED.
 - DIAGRAM IS SCHEMATIC IN NATURE, REFER TO MANUFACTURERS INSTRUCTIONS FOR SPECIFIC REQUIREMENTS.
 - INSTALLATIONS SHALL COMPLY WITH REQUIREMENT SET FORTH IN IECC 2015, SECTION C405.

LIGHTING CONTROL SCHEMATIC -
1 NON DIMMING DIGITAL VACANCY SENSOR
 E-105 SCALE: N.T.S.

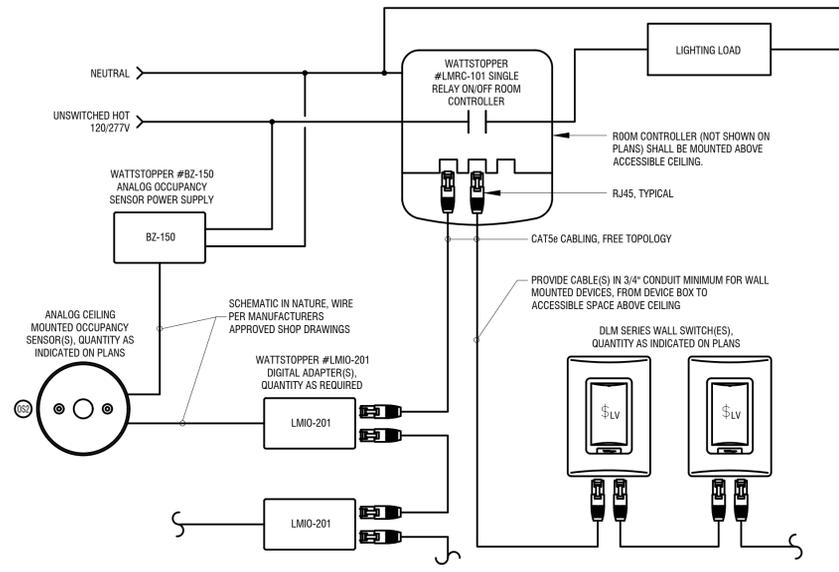


\$LV LOW VOLTAGE MOMENTARY CONTACT SWITCH, WATTSTOPPER #LMSW
 (OS) OCCUPANCY SENSOR, DIGITAL ADDRESSABLE TYPE, LOW VOLTAGE, DUAL TECHNOLOGY, WIDE VIEW, CEILING MOUNTED, WATTSTOPPER #LMDC-100

- CONTROL NARRATIVE:**
- SYSTEM SHALL BE PROGRAMMED FOR AUTOMATIC-ON CONTROL. OCCUPANCY SENSOR SHALL TURN LIGHTING OFF AFTER A TIME PERIOD OF VACANCY DETERMINED BY OWNER (UP TO A MAXIMUM OF 30 MINUTES).
 - LOW VOLTAGE SWITCH SHALL TURN LIGHTING 'ON/OFF' WITH A TAP OF THE SWITCH.
 - SWITCHES SHALL ALLOW MULTIPLE LOCATION FUNCTIONALITY (IE. 3-WAY, 4-WAY, OR MORE AS SHOWN).
- GENERAL NOTES:**
- ALL EQUIPMENT INDICATED IS AS MANUFACTURED BY WATTSTOPPER, 'DLM' SERIES.
 - PROVIDE BACKBOX FOR ALL DEVICES.
 - EQUIPMENT GROUND CONDUCTOR NOT SHOWN ON SCHEMATIC, BUT IS REQUIRED.
 - DIAGRAM IS SCHEMATIC IN NATURE, REFER TO MANUFACTURERS INSTRUCTIONS FOR SPECIFIC REQUIREMENTS.
 - INSTALLATIONS SHALL COMPLY WITH REQUIREMENT SET FORTH IN IECC 2015, SECTION C405.

LIGHTING CONTROL SCHEMATIC -
2 NON DIMMING DIGITAL OCCUPANCY SENSOR
 E-105 SCALE: N.T.S.

EC SHALL PURCHASE A SINGLE WATTSTOPPER #LMCT-100 REMOTE CONTROL FOR PROGRAMMING CONTROLLERS, SENSORS AND DEVICES. DELIVER TO OWNER AFTER PROGRAMMING IS COMPLETED.



\$LV LOW VOLTAGE MOMENTARY CONTACT SWITCH, WATTSTOPPER #LMSW
 (AS) OCCUPANCY SENSOR, ANALOG TYPE, LOW VOLTAGE, ULTRASONIC, LONG RANGE, CEILING MOUNTED, WATTSTOPPER #UT-300-3

- CONTROL NARRATIVE:**
- SYSTEM SHALL BE PROGRAMMED FOR AUTOMATIC-ON CONTROL. OCCUPANCY SENSOR SHALL TURN LIGHTING OFF AFTER A TIME PERIOD OF VACANCY DETERMINED BY OWNER (UP TO A MAXIMUM OF 30 MINUTES).
 - LOW VOLTAGE SWITCH SHALL TURN LIGHTING 'ON/OFF' WITH A TAP OF THE SWITCH.
 - SWITCHES SHALL ALLOW MULTIPLE LOCATION FUNCTIONALITY (IE. 3-WAY, 4-WAY, OR MORE AS SHOWN).
- GENERAL NOTES:**
- ALL EQUIPMENT INDICATED IS AS MANUFACTURED BY WATTSTOPPER, 'DLM' SERIES.
 - PROVIDE BACKBOX FOR ALL DEVICES.
 - EQUIPMENT GROUND CONDUCTOR NOT SHOWN ON SCHEMATIC, BUT IS REQUIRED.
 - DIAGRAM IS SCHEMATIC IN NATURE, REFER TO MANUFACTURERS INSTRUCTIONS FOR SPECIFIC REQUIREMENTS.
 - INSTALLATIONS SHALL COMPLY WITH REQUIREMENT SET FORTH IN IECC 2015, SECTION C405.

LIGHTING CONTROL SCHEMATIC -
3 NON DIMMING ANALOG OCCUPANCY SENSOR
 E-105 SCALE: N.T.S.

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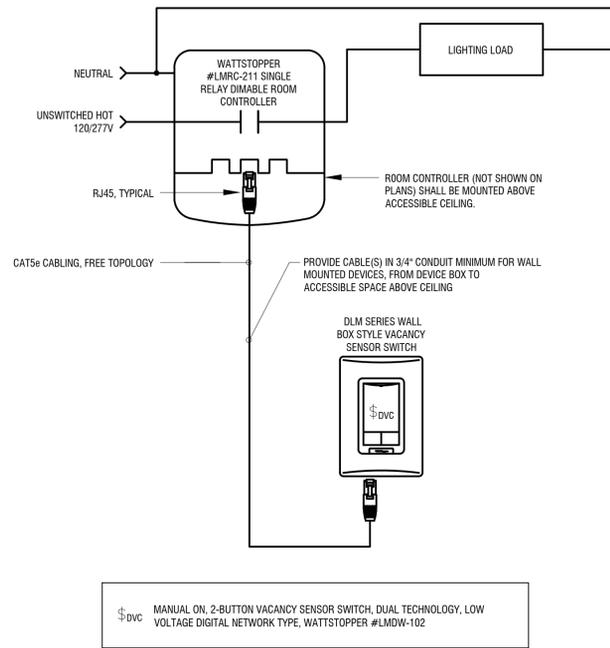
TITLE:

LIGHTING CONTROL DETAILS



SA JOB #: 17033.04
 DATE: 05-23-22

DRAWING #: E-105



CONTROL NARRATIVE:

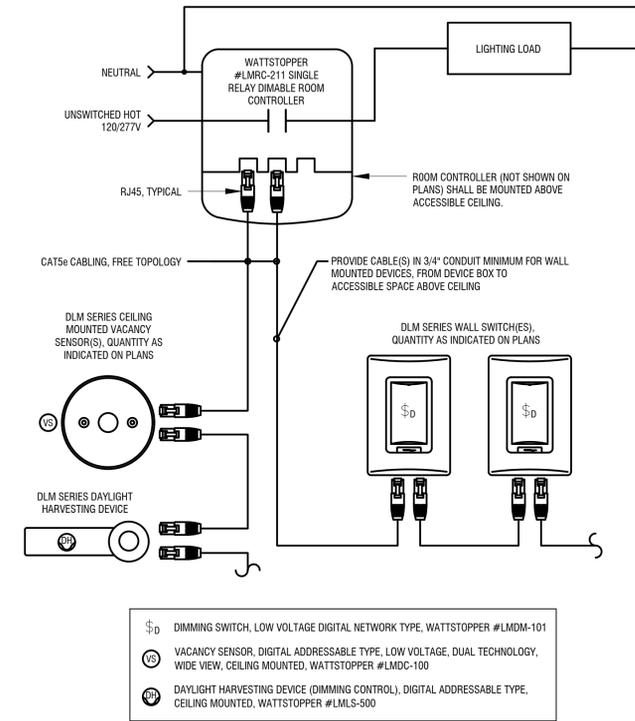
1. SYSTEM SHALL BE PROGRAMMED FOR MANUAL-ON CONTROL. VACANCY SENSOR SHALL TURN LIGHTING OFF AFTER A TIME PERIOD OF VACANCY DETERMINED BY OWNER (UP TO A MAXIMUM OF 30 MINUTES).
2. LOW VOLTAGE SWITCH SHALL BE PROGRAMMED FOR DIMMING OPERATION.

GENERAL NOTES:

1. ALL EQUIPMENT INDICATED IS AS MANUFACTURED BY WATTSTOPPER, 'DLM' SERIES.
2. PROVIDE BACKBOX FOR ALL DEVICES
3. EQUIPMENT GROUND CONDUCTOR NOT SHOWN ON SCHEMATIC, BUT IS REQUIRED.
4. DIAGRAM IS SCHEMATIC IN NATURE, REFER TO MANUFACTURERS INSTRUCTIONS FOR SPECIFIC REQUIREMENTS
5. INSTALLATIONS SHALL COMPLY WITH REQUIREMENT SET FORTH IN IECC 2015, SECTION C405.

LIGHTING CONTROL SCHEMATIC -

1 **DIGITAL DIMMING WALL SWITCH VACANCY SENSOR**
E-106 SCALE: N.T.S.



CONTROL NARRATIVE:

1. SYSTEM SHALL BE PROGRAMMED FOR MANUAL-ON CONTROL. VACANCY SENSOR SHALL TURN LIGHTING OFF AFTER A TIME PERIOD OF VACANCY DETERMINED BY OWNER (UP TO A MAXIMUM OF 30 MINUTES).
2. LOW VOLTAGE SWITCH SHALL TURN LIGHTING 'ON'/OFF WITH A TAP OF THE SWITCH.
3. SWITCHES SHALL ALLOW MULTIPLE LOCATION FUNCTIONALITY (IE. 3-WAY, 4-WAY, OR MORE AS SHOWN).

GENERAL NOTES:

1. ALL EQUIPMENT INDICATED IS AS MANUFACTURED BY WATTSTOPPER, 'DLM' SERIES.
2. PROVIDE BACKBOX FOR ALL DEVICES
3. EQUIPMENT GROUND CONDUCTOR NOT SHOWN ON SCHEMATIC, BUT IS REQUIRED.
4. DIAGRAM IS SCHEMATIC IN NATURE, REFER TO MANUFACTURERS INSTRUCTIONS FOR SPECIFIC REQUIREMENTS
5. INSTALLATIONS SHALL COMPLY WITH REQUIREMENT SET FORTH IN IECC 2015, SECTION C405.

LIGHTING CONTROL SCHEMATIC -

2 **DIGITAL DIMMING WALL CEILING MOUNTED VACANCY SENSOR**
E-106 SCALE: N.T.S.

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180 Redtail
Orchard Park NY

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. S.Hunt INTERIORS N.Catuzza

SEAL:

TITLE:
LIGHTING CONTROL DETAILS



SA JOB #: 17033.04 **DATE:** 05-23-22

DRAWING #: E-106

BASIC ELECTRICAL REQUIREMENTS

- A. THE INSTRUCTIONS TO BIDDERS, FORM OF BID, FORM OF CONTRACT, GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS AND THE CONTRACT DRAWINGS ARE A PART OF THE SPECIFICATIONS FOR THIS DIVISION OF WORK AND THIS CONTRACTOR SHALL REFER TO THEM FOR INSTRUCTIONS PERTAINING TO HIS WORK.
- B. "THE CONTRACTOR", "THIS CONTRACTOR", "EC", AND "DIVISION 16", AS USED IN THESE DRAWINGS AND SPECIFICATIONS, MEANS THE ELECTRICAL CONTRACTOR. "FURNISH AND INSTALL", "SUPPLY", AND "INSTALL", AS USED IN THESE SPECIFICATIONS, MEANS A COMPLETE AND WORKABLE INSTALLATION BY THE E.C.
- C. WHERE SPECIFICATIONS AND/OR DRAWINGS CONFLICT WITH ANY CODE REQUIREMENT, CODE REQUIREMENTS SHALL BE FOLLOWED.
- D. CODES AND STANDARDS:
 1. NYS UNIFORM FIRE PREVENTION AND BUILDING CODE
 2. NFPA STANDARDS
 3. ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES
 4. NYS ENERGY CONSERVATION CONSTRUCTION CODE
 5. NATIONAL ELECTRICAL CODE
- E. THE ELECTRICAL SYSTEMS COVERED BY THIS CONTRACT INCLUDE, BUT ARE NOT LIMITED TO:
 1. BRANCH CIRCUIT WIRING AND RACEWAYS
 2. WIRING DEVICES
 3. DISCONNECTS
 4. MOTOR STARTERS AND MOTOR STARTING EQUIPMENT
 5. GROUNDING AND BONDING
 6. LIGHTING CONTROLS
 7. LIGHTING FIXTURES AND LAMPS
 8. ELECTRICAL SERVICE
 9. ELECTRICAL DISTRIBUTION SYSTEM, INCLUDING PANELBOARDS, OVERCURRENT DEVICES, INSTRUMENTS, METERING, AND FEEDERS
 10. TELEPHONE RACEWAY SYSTEM, INCLUDING OUTLET BOXES AND COVERS, RACEWAYS, FISHWIRES, CABINETS, BACKBOARDS, AND RELATED EQUIPMENT
 11. COMPUTER RACEWAY SYSTEM, INCLUDING OUTLET BOXES AND COVERS, RACEWAYS, FISHWIRES, CABINETS, BACKBOARD, AND RELATED EQUIPMENT
 12. TELEPHONE SERVICE
 13. CABLE-TV SERVICE
 14. FIRE ALARM AND DETECTION SYSTEM
 15. EXISTING CONSTRUCTION AND COORDINATION OF DEMOLITION WORK
 16. CONNECTIONS TO HVAC, PLUMBING, FIRE PROTECTION, AND ALL OTHER ELECTRICALLY SUPPLIED EQUIPMENT, CONTROLS, CONTROL PANELS, MOTOR STARTERS, MOTOR STARTING EQUIPMENT AND DISCONNECTS NOT FURNISHED UNDER HVAC, PLUMBING, FIRE PROTECTION, OR OTHER CONTRACTS
- F. PAY FOR ALL PERMITS, INSPECTION FEES, LICENSES AND FOR TESTS WHICH MAY BE REQUIRED IN DETERMINING THE COMPLETENESS OF THE ELECTRICAL WORK.
- G. ALL ELECTRICAL PRODUCTS USED ON THIS PROJECT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL).
- H. ALL ELECTRICAL PRODUCTS USED ON THIS PROJECT SHALL CONFORM TO APPLICABLE STANDARD OF THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).
- I. ALL ELECTRICAL INSTALLATION AND PRODUCTS USED ON THIS PROJECT SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC).
- J. THE PLANS SHOW THE APPROXIMATE LOCATION OF ALL PARTS OF THE WORK. THE ARCHITECT WILL GIVE EXACT LOCATIONS, WHERE STRUCTURAL CONDITIONS ENCOUNTERED NECESSITATE MINOR CHANGES, THESE SHALL BE MADE WITHOUT CHARGE, BUT MUST MEET WITH THE APPROVAL OF THE ARCHITECT. WHERE MAJOR CHANGES ARE REQUIRED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- K. NOTIFY THE ARCHITECT, AND OBTAIN APPROVAL, BEFORE ANY COMPONENTS OF THE ELECTRICAL SYSTEM ARE CONCEALED BY CLOSING OFF AREAS, POURING CONCRETE, ETC.
- L. DETERMINE AND BE RESPONSIBLE FOR PROPER SIZE AND LOCATION OF OPENINGS AND CHASES, AND GIVE GENERAL CONTRACTOR NOTICE OF REQUIREMENTS. INSTALL ALL SLEEVES NECESSARY FOR THE WORK. WHEREVER ANY RACEWAY PASSES THROUGH A WALL, THE OPENING SHALL BE SEALED TIGHT AGAINST THE RACEWAY BY THIS CONTRACTOR. RACEWAYS THROUGH FOUNDATION WALLS AND ROOFS SHALL BE SEALED WATERTIGHT BY THIS CONTRACTOR.
- M. THIS CONTRACTOR SHALL DO ALL NECESSARY CUTTING AND PATCHING WHICH IS NOT CALLED TO BE DONE UNDER ANOTHER DIVISION. ALL CUTTING AND REPAIRING SHALL BE PERFORMED BY SKILLED WORKERS.
- N. PAINT ALL EXPOSED RACEWAYS IN FINISHED ROOMS WITH TWO COATS OF PAINT TO MATCH SURROUNDINGS. INSTALL PANELBOARD TRIMS, CABINETS, ENCLOSURES, ETC., IN SUFFICIENT TIME SO THAT THE PAINTING CONTRACTOR MAY PAINT THESE SURFACES WITH THE WALLS. THIS CONTRACTOR SHALL PAY FOR ALL NECESSARY PAINTING IF THE ABOVE PROCEDURE IS NOT FOLLOWED.
- O. THE CONTRACTOR SHALL FURNISH AND INSTALL THE POWER AND LIGHTING REQUIRED FOR THE CONSTRUCTION THE SCOPE SHALL INCLUDE, BUT NOT LIMITED TO:
 1. TEMPORARY POWER DISTRIBUTION
 2. LAMP SOCKETS AND LAMPS
 3. OUTLETS AND CONSTRUCTION EQUIPMENT CONNECTION INCLUDING WELDERS
 4. REMOVAL OF TEMPORARY DISTRIBUTION AFTER COMPLETION OF CONSTRUCTION
- P. THE ELECTRICAL CONTRACTOR SHALL INSTALL RACEWAYS IN SUCH A MANNER THAT THE EXPANSION JOINTS OF THE BUILDING WILL FUNCTION PROPERLY AND NOT STRESS ANY ELECTRICAL RACEWAYS. EXPANSION JOINTS SHALL BE INSTALLED IN ALL RACEWAYS AT THE EXPANSION JOINTS OF THE BUILDING.
- Q. BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDING AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THE MEASUREMENTS INDICATED ON THE DRAWINGS; ANY DIFFERENCE WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION BEFORE PROCEEDING WITH THE WORK.
- R. PROVIDE PRODUCT DATA, CATALOG CUT SHEETS WITH MFG. SPECIFICATIONS FOR REVIEW BY ARCH./ENGR. FOR THE FOLLOWING ITEMS:
 1. PANELBOARDS
 2. SAFETY DISCONNECT SWITCHES
 3. OUTLET BOXES
 4. FITTINGS
 5. LIGHTING FIXTURES
 6. LAMPS
 7. CONDUCTORS
 8. DEVICES
 9. TIME SWITCHES
 10. PHOTOELECTRIC CONTROLS
 11. FIRE ALARM SYSTEM
- S. PROVIDE A MINIMUM OF SEVEN (7) SUBMITTAL COPIES FOR EACH ITEM LISTED ABOVE.
- T. MAINTAIN THROUGHOUT PROJECT A SET OF PLANS WHICH ACCURATELY PORTRAY THE ACTUAL INSTALLATION, INCLUDING LOCATION OF ALL WIRING, EQUIPMENT, CIRCUIT NUMBERS, ETC. TURN OVER TO OWNER AT COMPLETION OF JOB.

RACEWAYS AND FITTINGS

- A. WHERE CALLED FOR ON THE DRAWINGS, FLOOR OUTLET BOXES AND POKE-THROUGH DEVICE SHALL BE AS MANUFACTURED BY HUBBELL, WALKER, OR LEW.
 - B. WIRING AND RACEWAYS SHALL BE CONCEALED IN ALL ROOMS AND SPACES UNLESS OTHERWISE NOTED.
 - C. FOR INDOOR USE IN FINISHED ROOMS INSIDE HOLLOW WALL OR CEILING CAVITIES: WIRE IN ELECTRICAL METALLIC TUBING (EMT), COMPRESSION TYPE FITTINGS.
 - D. FOR USE IN UNFINISHED AREAS: WIRE IN SURFACE MOUNTED RGS CONDUIT.
 - E. FOR OUTDOOR USE: WIRE IN THREADED, RIGID STEEL CONDUIT.
 - F. FOR UNDERGROUND USE: WIRE IN SCHEDULE 80 RIGID PVC NONMETALLIC CONDUIT.
 - G. FOR FINAL CONNECTION IN DAMP OR WET LOCATIONS: LIQUID TIGHT FLEXIBLE METAL CONDUIT, WITH LISTED FITTINGS.
 - H. IN ALL INSTANCES, INCLUDE A SEPARATE GROUNDING CONDUCTOR IN EACH RACEWAY, SIZE PER NEC.
 - I. FURNISH ALL FITTINGS REQUIRED, BUT NOT LIMITED TO: BUSHINGS TO PREVENT WIRE ABRASION; SINGLE- AND MULTIPLE-GANG BOXES TO ACCOMMODATE DEVICE INSTALLATION; ADAPTERS FROM CONDUIT TO RACEWAY; TRANSITIONS TO BOTH LARGER AND SMALLER SURFACE METAL RACEWAYS; 90 DEGREE ELBOWS, TEES, FIXTURE BOXES, AND FLEXIBLE SECTIONS.
 - J. SURFACE METAL RACEWAY AND FITTINGS SHALL MEET ALL REQUIREMENTS OF NEC ARTICLE 352A AND SHALL BE UL LISTED.
 - K. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION, INSTALLATION, AND LOCATION OF ALL NECESSARY AND REQUIRED INSERTS, SUPPORTS, AND ANCHOR BOLTS, AND FOR A SATISFACTORY RACEWAY SYSTEM UPON COMPLETION OF THE PROJECT.
 - L. WHERE ANY COMPONENT OF THE RACEWAY SYSTEM IS DAMAGED PRIOR TO FINAL ACCEPTANCE BY THE OWNER, THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE SAME OR PROVIDE A NEW RACEWAY SYSTEM, AT THE EXPENSE OF THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
 - M. CONDUITS SHALL BE RUN TO AVOID ADVERSE CONDITIONS SUCH AS HEAT AND MOISTURE AND TO AVOID ALL MATERIALS AND EQUIPMENT OF OTHER TRADES. CONDUITS SHALL MAINTAIN A MINIMUM CLEARANCE OF SIX INCHES FROM ALL HOT WATER PIPES, FLUES, OR AND HIGH TEMPERATURE PIPING OR DUCTWORK. SHOULD IT BE FOUND NECESSARY TO INSTALL CONDUIT CLOSER THAN THIS TO HOT WATER PIPES AN INSULATING COVERING SHALL BE USED TO PROTECT THE CONDUIT FROM HIGH TEMPERATURE.
 - N. RACEWAYS SHALL NOT BE SMALLER THAN THE SIZE REQUIRED BY THE NATIONAL ELECTRICAL CODE FOR THE CONDUCTORS ENCLOSED AND SHALL BE LARGER WHERE SO SPECIFIED OR INDICATED ON THE PLANS.
 - O. ALL EXPOSED RUNS OF CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS OR CEILINGS. SUPPORTS SHALL BE FROM THE MASONRY OR STEEL STRUCTURE RATHER THAN FROM OTHER MECHANICAL WORK SUCH AS DUCTS, PIPING, ETC., IN ACCORDANCE WITH GOOD INDUSTRY PRACTICE IN A MANNER ACCEPTABLE TO THE ARCHITECT.
 - P. SUPPORTS AND ATTACHMENTS PROVIDED SHALL BE SPECIFICALLY DESIGNED FOR THE APPLICATIONS, PERFORATED HANGERS OR WIRE TIE SUPPORTS ARE NOT ACCEPTABLE. ALL HANGERS AND SUPPORTS SHALL HAVE CORROSION RESISTANT FINISH.
 - Q. ALL CONDUITS PASSING THROUGH WALLS, FLOORS, AND CEILINGS SHALL BE SLEEVED WITH A PIECE OF SCHEDULE 40 GALVANIZED STEEL PIPE WITH PLAIN ENDS. ALL SLEEVES SHALL BE SEALED WATERTIGHT USING A MATERIAL SIMILAR IN APPEARANCE TO THE SURROUNDING AREA OR APPROVED MATERIAL.
 - R. CONDUITS EXTENDING THROUGH ROOFS SHALL BE EQUIPPED WITH PITCH POCKETS.
 - S. ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A NYLON PULLWIRE.
 - T. ALL CONDUIT PASSING THROUGH A FIRE ZONE SHALL HAVE A FIRE RATED INSTALLATION.
 - U. CONDUIT SHALL BE INSTALLED SO THAT A CONTINUOUS GROUNDING SYSTEM WILL BE MAINTAINED FROM THE FURTHERMOST OUTLET TO THE ESTABLISHED WATER PIPE GROUND.
 - V. CONDULETS, UNILETS, OR SIMILAR APPROVED TYPE FITTINGS SHALL BE USED ON EXPOSED WORK WHERE CONDUIT CHANGES DIRECTION AND WHERE BENDS WILL NOT MAKE A NEAT JOB.
 - W. EXPOSED CONDUIT SHALL BE SECURELY FASTENED TO THE BUILDING AT EIGHT-FOOT MINIMUM INTERVALS, USING APPROVED HANGERS, STRAPS, CLAMPS, OR SCREWS. WOOD PLUGS SHALL NOT BE USED FOR FASTENING PURPOSES. CONDUIT RUN ABOVE HUNG CEILING OR IN CRAWL SPACES SHALL BE SUPPORTED IN THE SAME MANNER AS FOR EXPOSED RUNS. WIRE TIES ARE NOT ACCEPTABLE SUPPORTS.
 - X. CARE SHALL BE EXERCISED TO MAKE CERTAIN THAT THE CONDUIT SYSTEM NOW PLANNED WILL PERMIT REMOVAL OF CONDUCTORS FOR FUTURE CHANGES AS MAY BE REQUIRED. ALTHOUGH UP TO FOUR 90 DEGREE BENDS ARE PERMITTED BY THE NATIONAL ELECTRICAL CODE, THE PRACTICE OF USING MORE THAN THREE 90 DEGREE BENDS PER RUN SHALL BE AVOIDED. PULL BOXES SHALL BE USED IF AT ALL FEASIBLE.
 - Y. PULLBOXES SHALL BE INSTALLED AT 100 FOOT INTERVALS IN LONG STRAIGHT RUNS. CLOSE NIPPLES WILL NOT BE PERMITTED.
 - Z. CONDUIT SMALLER THAN 1/2" SHALL NOT BE USED.
- THE REQUIRED STRENGTH OF THE SUPPORTING EQUIPMENT AND THE SIZE AND TYPE OF ANCHORS SHALL BE BASED ON THE COMBINED WEIGHT OF CONDUIT, HANGERS, AND CONDUCTORS. THE USE OF PERFORATED IRON STRAPS FOR SUPPORTING CONDUITS WILL NOT BE PERMITTED.
- AA. SINGLE RUNS:
 1. WHERE CONDUITS ARE RUN INDIVIDUALLY, THEY SHALL BE SUPPORTED BY APPROVED PIPE STRAPS, SECURED BY MEANS OF TOGGLE BOLTS
 2. IN HOLLOW MASONRY; EXPANSION SHIELDS AND MACHINE SCREWS OR STANDARD PRESET INSERTS IN CONCRETE OR SOLID MASONRY; MACHINE SCREWS OR BOLTS IN METAL SURFACES; AND WOOD SCREWS IN WOOD CONSTRUCTION. THE USE OF PERFORATED IRON STRAPS WILL NOT BE PERMITTED.
 3. CONDUITS INSTALLED EXPOSED ON THE SURFACE IN DAMP LOCATIONS OR IN REFRIGERATED AREAS SHALL BE PROVIDED WITH CLAMP BACKS UNDER EACH CONDUIT CLAMP TO PREVENT ACCUMULATION OF MOISTURE AROUND THE CONDUITS.

WHERE INDIVIDUAL CONDUITS ARE SUSPENDED FROM THE CEILING THEY SHALL BE SUPPORTED BY HANGERS EQUIVALENT TO STEEL CITY NO. C-149.
 - BB. MULTIPLE RUNS:
 1. WHERE A NUMBER OF CONDUITS ARE TO BE RUN EXPOSED AND PARALLEL, ONE WITH ANOTHER, THEY SHALL BE GROUPED AND SUPPORTED BY TRAPEZE HANGERS.
 2. HANGER RODS SHALL BE FASTENED TO STRUCTURAL STEEL MEMBERS WITH SUITABLE BEAM CLAMPS, OR TO CONCRETE INSERTS SET FLUSH WITH SURFACE.
 - CC. THE CONTRACTOR SHALL FURNISH AND INSTALL JUNCTION BOXES, PULLBOXES, AND CABLE SUPPORT BOXES AS SHOWN ON THE DRAWINGS, SPECIFIED HEREIN, OR AS OTHERWISE REQUIRED. BOXES SHALL BE SECURED IN POSITION INDEPENDENTLY OF CONDUITS ENTERING THEM BY MEANS OF BOLTS, ROD HANGERS, BRACKETS, OR OTHER APPROVED METHODS. OUTLET BOXES SHALL BE SECURELY FASTENED TO CEILINGS, WALLS OR COLUMNS.

WIRE AND CABLE

- A. ACCEPTABLE MANUFACTURERS SHALL BE ANACONDA, GENERAL ELECTRIC, CERRO, OR BRAND REX.
 - B. ALL CONDUCTORS SHALL BY COPPER, WITH 600 VOLT INSULATION, UNLESS OTHERWISE NOTED; STRANDING AND INSULATION TYPES AS FOLLOWS:
 - C. BRANCH CIRCUIT FEEDERS
 1. #10 AWG AND SMALLER (SOLID OR STRANDED) - TYPE THHN/THWN INSULATION.
 2. #8 AWG AND LARGER (STRANDED) - TYPE THHN/THWN INSULATION.
 - D. ALL WIRE AND CABLE SHALL BE NEW, WITHIN ONE YEAR OF MANUFACTURE WHEN DELIVERED TO THE SITE AND BEAR THE UL LABEL, INSULATION TYPE, VOLTAGE, AND MANUFACTURER'S NAME AT REGULAR INTERVALS ON THE INSULATION.
 - E. ALL WIRING SHALL BE DONE SO THAT THE SYSTEM WILL BE CONTINUOUSLY POLARIZED THROUGHOUT, FOLLOWING THE COLOR CODING INDICATED IN THE NEC.
 - F. ALL CONNECTIONS USING COPPER SHALL BE MADE WITH CONNECTORS THAT ARE DESIGNED AND APPROVED FOR COPPER.
 - G. JOINTS, TAPS AND SPLICES OF WIRES OF SIZES #10 AWG AND SMALLER SHALL BE MADE BY MEANS OF "SCOTCHLOK" SPRING CONNECTORS.
 - H. JOINTS, TAPS AND SPICES OF WIRES OF SIZE #8 AWG AND LARGER SHALL BE MADE WITH THOMAS AND BETTS ALUMINUM/COPPER COLOR -KEYED COMPRESSION CONNECTORS, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - I. WIRE SIZES SHALL BE AS SHOWN ON THE DRAWINGS OR SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
 - J. ALL FEEDER CABLES SHALL BE CONTINUOUS FROM ORIGIN TO EQUIPMENT TERMINATION WITHOUT RUNNING SPLICES IN INTERMEDIATE PULL OR SPLICE BOXES AS FAR AS PRACTICABLE. NO SPLICES ARE ALLOWED IN "C" CONDUITS.
 - K. CONDUCTORS SHALL NOT BE SMALLER THAN CODE SIZE FOR THE LOADS BEING HANDLED AND SHALL BE LARGER IF SO INDICATED IN THE PLANS OR SPECIFICATIONS. NO CONDUCTOR SHALL BE LESS THAN #12 AWG EXCEPT FOR CONTROL CIRCUITS, WHICH MAY BE #14 WIRE WHEN INDICATED.
 - L. PROVIDE SEPARATE GREEN GROUND (EQUIPMENT GROUND) CONDUCTOR IN ALL FEEDERS AND BRANCH CIRCUITS.
- CABINETS, BOXES, AND FITTINGS
- A. USE SHEET STEEL JUNCTION, OUTLET AND PULL BOXES SIZED PER NEC IN ALL DRY LOCATIONS.
 - B. USE CAST BOXES FOR EXTERIOR USE, WHERE IN CONCRETE FLOORS, AND IN ALL DAMP OR WET LOCATIONS.
 - C. USE STEEL OR MALLEABLE IRON FITTINGS SPECIFICALLY DESIGNED FOR EACH RACEWAY TYPE, AS DICTATED BY GOOD PRACTICE.
 - D. IN ALL CASES, ALL CABINETS, JUNCTION AND OUTLET BOXES SHALL BE ACCESSIBLE.
- ELECTRICAL CONNECTIONS FOR EQUIPMENT
- A. FIXED EQUIPMENT REQUIRING ATTACHMENT PLUGS SHALL BE PROVIDED WITH APPROPRIATE RECEPTACLE TO MATCH PLUG.
 - B. FIXED EQUIPMENT REQUIRING DIRECT WIRED CONNECTIONS SHALL BE PROVIDED WITH LOCAL JUNCTION BOX, AND FLEXIBLE NONMETALLIC CONDUIT, OR LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT CONNECTIONS TO EQUIPMENT.
 - C. PROVIDE SEPARATE FUSIBLE DISCONNECT FOR EQUIPMENT NOT FURNISHED WITH INTEGRAL OR FACTORY FURNISHED DISCONNECTING MEANS.
 - D. PROVIDE MOTOR STARTER FOR EQUIPMENT NOT FURNISHED WITH FACTORY STARTER.
- WIRING DEVICES
- A. FOR FINISHED AREAS, USE SPECIFICATION GRADE DEVICES, COLOR AS SELECTED BY ARCHITECT, WITH SMOOTH THERMOPLASTIC WALL PLATE, COLOR TO MATCH DEVICE.
 - B. FOR UNFINISHED DRY INTERIOR SPACES, USE SPECIFICATION GRADE DEVICE IN STEEL UTILITY BOXES WITH MATCHING STEEL DEVICE COVERS.
 - C. FOR INTERIOR AND EXTERIOR WET LOCATIONS, USE SPECIFICATION GRADE DEVICES INSTALLED WITH AN OUTLET ENCLOSURE CLEARLY MARKED "SUITABLE FOR WET LOCATIONS WHILE IN USE", AS MANUFACTURED BY TAYMAC CORP., WITH PUSH-BUTTON RELEASE.
 - D. RECEPTACLES:
 - 20A, 125V DUPLEX RECEPTACLE: HUBBELL #CR5362
 - 20A, 125V DUPLEX GFI RECEPTACLE: HUBBELL #GF5362
 - 20A, 125V DUPLEX ISOLATED GROUND RECEPTACLE: HUBBELL #CR5352/G
 - 20A, 125V DUPLEX TVSS RECEPTACLE: HUBBELL #HBL5362S
 - E. SWITCHES:
 - 20A, 120/277V A.C. TOGGLE SWITCH: HUBBELL #CS1221
 - 20A, 120/277V A.C. THREE-WAY SWITCH: HUBBELL #CS1223
 - 20A, 120/277V A.C. FOUR-WAY SWITCH: HUBBELL #CS1224
 - 20A, 120/277V A.C. KEY (LOCK) SWITCH: HUBBELL #I1221L
 - 20A, 120/277V A.C. RED PILOT HANDLE: HUBBELL #I121FPL
 - F. OCCUPANCY SENSORS:
 - WALL CONTROL - 1500W FLUORESCENT, 120VAC
 - SHALL BE COMPATIBLE WITH ELECTRONIC BALLASTS; 90°FIELD OF VISION.
 - HUBBELL AT120, COLOR AS SELECTED BY ARCHITECT.

SAFETY DISCONNECT DEVICES

- A. DISCONNECTION DEVICES RATING SHALL BE AS SHOWN ON THE DRAWINGS, HEAVY-DUTY, "QUICK-MAKE, QUICK-BREAK", SAFETY SWITCHES WITH INTERLOCKING COVER, CONSTRUCTED OF CODE GAGE STEEL (UL 98). ENCLOSURES SHALL BE TREATED WITH RUST INHIBITING PHOSPHATE AND FINISHED IN GRAY BAKED ENAMEL.
- B. DISCONNECTS SHALL BE FUSED OR NON-FUSED AS INDICATED ON THE DRAWINGS, OR AS REQUIRED BY NEC. NUMBER OF POLES, WITH OR WITHOUT SOLID NEUTRAL, SHALL BE AS INDICATED ON THE DRAWINGS, OR AS REQUIRED.
- C. ENCLOSURES FOR INDOOR USE SHALL BE NEMA 1; ENCLOSURES FOR EXTERIOR USE SHALL BE NEMA 3R, ENCLOSURES FOR HOSE DOWN/DUST TIGHT LOCATIONS SHALL BE NEMA 4X.
- D. DISCONNECTS SHALL REQUIRE THE USE OF A SCREWDRIVER FOR ACCESS TO INTERIOR WITHOUT OPENING CONTACTS.
- E. DISCONNECTS SHALL HAVE PROVISIONS FOR PADLOCKING THE SWITCH IN THE "OFF", OR "OPEN" POSITION.
- F. ACCEPTABLE MANUFACTURERS ARE SQUARE D, ITE, WESTINGHOUSE, OR GENERAL ELECTRIC.
- G. FURNISH A SAFETY DISCONNECT DEVICE ON ALL EQUIPMENT CONNECTIONS WHERE INDICATED ON THE DRAWINGS, OR AS REQUIRED BY CODE.
- H. DISCONNECTS SHALL BE MOUNTED TO PERMANENT STRUCTURAL ELEMENTS WITH APPROVED FASTENING MEANS. DISCONNECTS SHALL NOT BE FASTENED BY WELDING THE ENCLOSURE TO ITS DESIGNATED STRUCTURAL SUPPORT. BEAM CLAMPS, UNISTRUT AND BOLTED WASHERS COMPRISE ACCEPTABLE FASTENING MEANS.
- I. NAMEPLATES SHALL BE PLASTIC LAMINATE WITH WHITE BACKGROUND AND 1/4" BLACK ENGRAVED LETTERS WITH THE TITLE OF THE EQUIPMENT THAT IS FED. NAMEPLATES SHALL BE ATTACHED USING RIVETS OR NUTS, WASHERS, AND BOLTS.

GROUNDING

- A. GROUND SERVICE, EQUIPMENT, CIRCUITS PER NEC. USE COPPER CONDUCTORS.
- B. REFER TO DRAWINGS FOR TYPICAL GROUNDING ELECTRODE DETAIL.

PANELBOARDS

- A. SHALL BE UL LISTED AS "SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT", WHERE APPLICABLE.
- B. PHASE, NEUTRAL AND GROUND BUSES SHALL BE COPPER, AND PHASE BUSES SHALL EXTEND THE ENTIRE HEIGHT OF PANELBOARD, FOR FUTURE INSTALLATION OF ADDITIONAL CIRCUIT BREAKERS, WITHOUT THE NEED FOR CONNECTORS, BUT CIRCUIT BREAKERS CONNECTIONS TO THE BUS SHALL BE: BOLT-ON, DOUBLE ROW ARRANGEMENT, DISTRIBUTED PHASE BUS TYPE.
- C. CIRCUIT BREAKERS SHALL BE MOLDED CASE, THERMAL MAGNETIC, BOLT-ON TYPE, DEAD FRONT DESIGN, WITH QUICK-MAKE, QUICK-BREAK, COMMON TRIP TYPE SINGLE TOGGLE OPERATING MECHANISMS, 1, 2, OR 3 POLE, AND HACR LISTED WHEN USED FOR HVAC EQUIPMENT, SIZED PER PANELBOARD SCHEDULE.
- D. BACKBOXES SHALL BE FABRICATED FROM GALVANIZED, CODE GAUGE, SHEET STEEL, MEETING OR EXCEEDING NECESSARY REQUIREMENT FOR WIRE BENDING SPACE, WITHOUT KNOCKOUTS.
- E. COVERS SHALL BE DEAD FRONT DESIGN, WITH HINGED DOOR, CONCEALED FASTENERS, FABRICATED FROM CODE GAGE STEEL WITH POINTED ENAMEL FINISH, FLUSH LOCK AND CATCH.
- F. PANELBOARD DIRECTORY CARD, WITH CLEAR PLASTIC COVER, SHALL BE PROVIDED ON BACK OR DOOR. CONTRACTOR SHALL COMPLETE DIRECTORY CARD, WITH CIRCUIT BREAKER NUMBERS CROSS REFERENCED TO THEIR RESPECTIVE LOAD(S), BY LOAD TYPE AND ROOM OR SPACE NAME AND NUMBER.
- G. PROVIDE PERMANENT LAMACOID OR EQUAL TYPE LABEL INSIDE PANELBOARD DOOR, IDENTIFYING PANELBOARD NAME.
- H. DESIGN EQUIPMENT SHALL BE SQUARE D CO. - TYPE NQOD FOR 208Y/120V PANELBOARDS; TYPE NF FOR 480Y/277V PANELBOARDS; TYPE I-LINE FOR DISTRIBUTION PANELBOARDS. ALTERNATE MANUFACTURERS ARE: CUTTLER-HAMMER/WESTINGHOUSE, OR SIEMENS/ITE.

CONTINUED ON SHEET E-108

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ELECTRICAL SPECIFICATIONS



SA JOB #: 17033.04 **DATE:** 05-23-22

DRAWING #: E-107

BASIC ELECTRICAL REQUIREMENTS

INTERIOR LIGHTING

- A. PROVIDE AND INSTALL ITEMS AS SPECIFIED HEREIN AND LISTED ON THE LIGHTING FIXTURE SCHEDULE ON THE DRAWINGS.
- B. CATALOG NAMES AND NUMBERS USED IN THE LIGHTING FIXTURE SCHEDULE ARE TO ESTABLISH A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION.
- C. IF ALTERNATED, OR OPTIONAL, METHODS ARE PROPOSED AS SUBSTITUTION FOR ANY ONE OF THE LIGHTING FIXTURES, THEY MUST BE EQUAL IN DESIGN AND QUALITY, AS DETERMINED BY THE ARCHITECT/ENGINEER. THE DATA SUBMITTED MUST INCLUDE A DESCRIPTION OF THE LIGHTING FIXTURE, LENS, BALLAST, SHEET METAL GAGE, PHOTOMETRIC DATA, ETC.
- D. UPON REQUEST OF THE ENGINEER, A SAMPLE OF THE PROPOSED SUBSTITUTION SHALL BE PROVIDED.
- E. FURNISH AND INSTALL ALL LIGHTING FIXTURES COMPLETE WITH LAMPS. PROVIDE 10% ADDITIONAL LAMPS FOR EACH TYPE OF LAMP REQUIRED ON PROJECT AND TURN OVER TO OWNER.
- F. ALL LIGHTING FIXTURES SHALL CARRY THE UNDERWRITER'S LABEL OF APPROVAL.
- G. FIXTURES SHALL BE FREE OF IMPERFECTIONS, HANDLING, OR INSTALLATION DAMAGE.
- H. OBTAIN EXACT LOCATION OF ALL CEILING OUTLETS FROM THE ARCHITECT.
- I. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIT OF ALL LIGHTING FIXTURES INTO THE ACTUAL CEILING INSTALLED.
- J. ALL WIRING WITHIN EACH LIGHTING FIXTURE SHALL BE CONTAINED IN METALLIC WIRING CHANNEL AND NOT IN THE LAMP CHAMBER.
- K. FLUORESCENT LIGHTING FIXTURES SHALL BE "P" RATED, PREMIUM GRADE, AND SO LABELED AS PER NEC.
- L. CONFIRM COMPATIBILITY AND INTERFACE OF OTHER MATERIALS WITH LUMINAIRE AND CEILING SYSTEM. REPORT DISCREPANCIES TO THE ENGINEER/ARCHITECT AND DEFER ORDERING UNTIL CLARIFIED.
- M. COORDINATE WITH DIVISION 15 TO AVOID CONFLICTS BETWEEN LUMINARIES, SUPPORTS, FITTINGS, AND MECHANICAL EQUIPMENT.
- N. ALL INCANDESCENT, FLUORESCENT, METAL HALIDE, AND HIGH PRESSURE SODIUM LAMPS SHALL BE AS MANUFACTURED BY GENERAL ELECTRIC, GE-SYLVANIA, WESTINGHOUSE, OR PHILLIPS.
- O. ALL FLUORESCENT LIGHTING FIXTURES SHALL HAVE HIGH POWER FACTOR BALLASTS HAVING A SOUND LEVEL OF "A". BALLASTS CONSIDERED BY THE OWNER OR ENGINEER TO HAVE OBJECTIONABLE NOISE OR HUM SHALL BE REPLACED DURING THE PERIOD OF GUARANTEE AT THE DIVISION 16 CONTRACTOR'S EXPENSE.
- P. IT WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VERIFY, WITH THE CONSTRUCTION CONTRACTOR, THE TYPES OF CEILINGS IN ALL ROOMS HAVING TROFFERS, AS TO THE TYPE OF TROFFER CONSTRUCTION REQUIRED TO MATCH THE CEILING CONSTRUCTION.
- Q. MOUNT HIGH INTENSITY DISCHARGE BALLASTS ON RUBBER GROMMETS TO REDUCE NOISE TRANSMISSION.
- R. ALL METAL PARTS SHALL BE GROUNDED AS A COMMON UNIT.
- S. SUPPORT FLUORESCENT LUMINARIES DIRECTLY FROM BUILDING STRUCTURE BY ROD HANGERS AND INSERTS, OR METAL ANGLE HEADERS SUPPORTED FROM FRAMING STRUCTURE OF CEILING SUSPENSION SYSTEM.
- T. INSTALL RECESSED LUMINARIES TO PERMIT REMOVAL FROM BELOW, TO GAIN ACCESS TO OUTLET OR PRE-WIRED LIGHTING FIXTURE BOX.

ELECTRICAL SERVICE

- A. PROVIDE NEW ELECTRIC SERVICE AT LOCATION AS INDICATED ON THE DRAWINGS.
- B. PROVIDE ALL METERS, METER CABINETS, CT'S AND CABINETS, RELATED SUPPORTS AND MOUNTING APPARATUS, AND AS REQUIRED BY UTILITY COMPANY.
- C. FOR PAD MOUNTED TRANSFORMER INSTALLATIONS, PROVIDE TRANSFORMER PAD AND GROUND MAT IN COMPLIANCE WITH UTILITY COMPANY REQUIREMENTS.
- D. FOR UNDERGROUND LATERALS, USE RIGID GALVANIZED STEEL CONDUIT WITH ASPHALT COATING, BURY AT DEPTH AS PRESCRIBED IN NEC. PROVIDE EXCAVATION, BACKFILL, AND SURFACE RESTORATION IN COMPLIANCE WITH APPLICABLE PROVISIONS OF THE SPECIFICATION. WHERE SUCH PROVISIONS ARE NOT STATED IN THE CONTRACT DOCUMENTS, NOTIFY THE ARCHITECT PRIOR TO SUBMITTING A PROPOSAL, FOR CLARIFICATION.
- E. REVIEW THE PROPOSED SERVICE INSTALLATION WITH THE LOCAL ELECTRICAL INSPECTOR PRIOR TO ROUGHING IN. NOTIFY THE ARCHITECT OF ANY CHANGES THAT MATERIALLY DIFFER FROM THE CONTRACT DOCUMENTS.
- F. GROUND SERVICE AND TRANSFORMER IN COMPLIANCE WITH NEC.
- G. INCLUDE ALL UTILITY COMPANY FEES AND CHARGES, INCLUDING NEW SERVICE, TRANSFORMERS, AND METERING.

FIRE ALARM SYSTEM

- A. EXPANSION OF EXISTING FIRE ALARM SYSTEM SHALL COMPLY WITH NFPA 72 AND THE NEC. FIRE ALARM SYSTEM SHALL BE UL LISTED.
- B. FIRE ALARM SYSTEM SHALL BE A SUPERVISED, NON-CODED, ADDRESSABLE SYSTEM WITH MANUAL AND AUTOMATIC ALARM INITIATION.
- C. MULTIPLEXED SIGNAL TRANSMISSION TO FIRE ALARM SERVICE.
- D. DEVICES INCLUDE BUT ARE NOT LIMITED TO:
 - 1. MAIN FIRE ALARM CONTROL PANEL WITH EMERGENCY BATTERY POWER SUPPLY
 - 2. REMOTE ANNUNCIATOR PANEL WHICH DUPLICATES FUNCTIONS OF THE FACP FOR ALARM, SUPERVISORY AND TROUBLE INDICATIONS
 - 3. DOUBLE ACTION MANUAL PULL STATIONS
 - 4. PHOTOELECTRIC SMOKE DETECTORS
 - 5. HEAT DETECTORS
 - 6. DUCT SMOKE DETECTORS: PHOTOELECTRIC TYPE, COMPLETE WITH SAMPLING TUBE AND REMOTE TEST STATION
 - 7. RELAY FAN SHUTDOWN: RATED TO INTERRUPT FAN MOTOR CONTROL CIRCUIT
 - 8. VISUAL ONLY DEVICES: XENON STROBE LIGHT WITH CLEAR OR NOMINAL
 - 9. WHITE POLYCARBONATE LENS, THE WORD "FIRE" IS ENGRAVED ON THE LENS
 - 10. AUDIO/VISUAL ALARM DEVICE: ELECTRIC VIBRATING 24V DC HORN AND XENON STROBE LIGHT
 - 11. DIGITAL COMMUNICATOR OR TAPE DIALER. SYSTEM SUPPLIER SHALL VERIFY WITH AUTHORITY HAVING JURISDICTION FOR THE METHOD OF RECEIVING A TRANSMITTED FIRE ALARM SIGNAL.
- E. WIRING
 - 1. INSTALL ALL SYSTEM WIRING IN METAL RACEWAY IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
 - 2. COLOR CODING: USE ONE COLOR FOR ALARM CIRCUIT WIRING AND A DIFFERENT COLOR FOR SUPERVISORY CIRCUITS PER MANUFACTURER'S WIRING INSTRUCTIONS.
- F. INSTALLATION
 - 1. ENGAGE A LICENSED, FACTORY AUTHORIZED SERVICE REPRESENTATIVE TO INSPECT, FIELD ASSEMBLE COMPONENTS AND CONNECTIONS; SUPERVISE PRETESTING, TESTING AND FINAL ADJUSTMENT OF THE SYSTEM. PREPARE FORMS FOR SYSTEMATIC RECORDING OF ACCEPTANCE TEST RESULTS.
 - 2. PROVIDE EIGHT (8) HOURS OF TRAINING TO OWNERS MAINTENANCE PERSONNEL.
- G. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH THE REQUIREMENTS. MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE: CERBERUS PYROTRONICS, EDWARDS SYSTEMS TECHNOLOGY, SIMPLEX TIME RECORDER CO., NOTIFIER OR LIFE SAFETY.

END OF ELECTRICAL SPECIFICATIONS

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**ELECTRICAL
SPECIFICATIONS**



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