

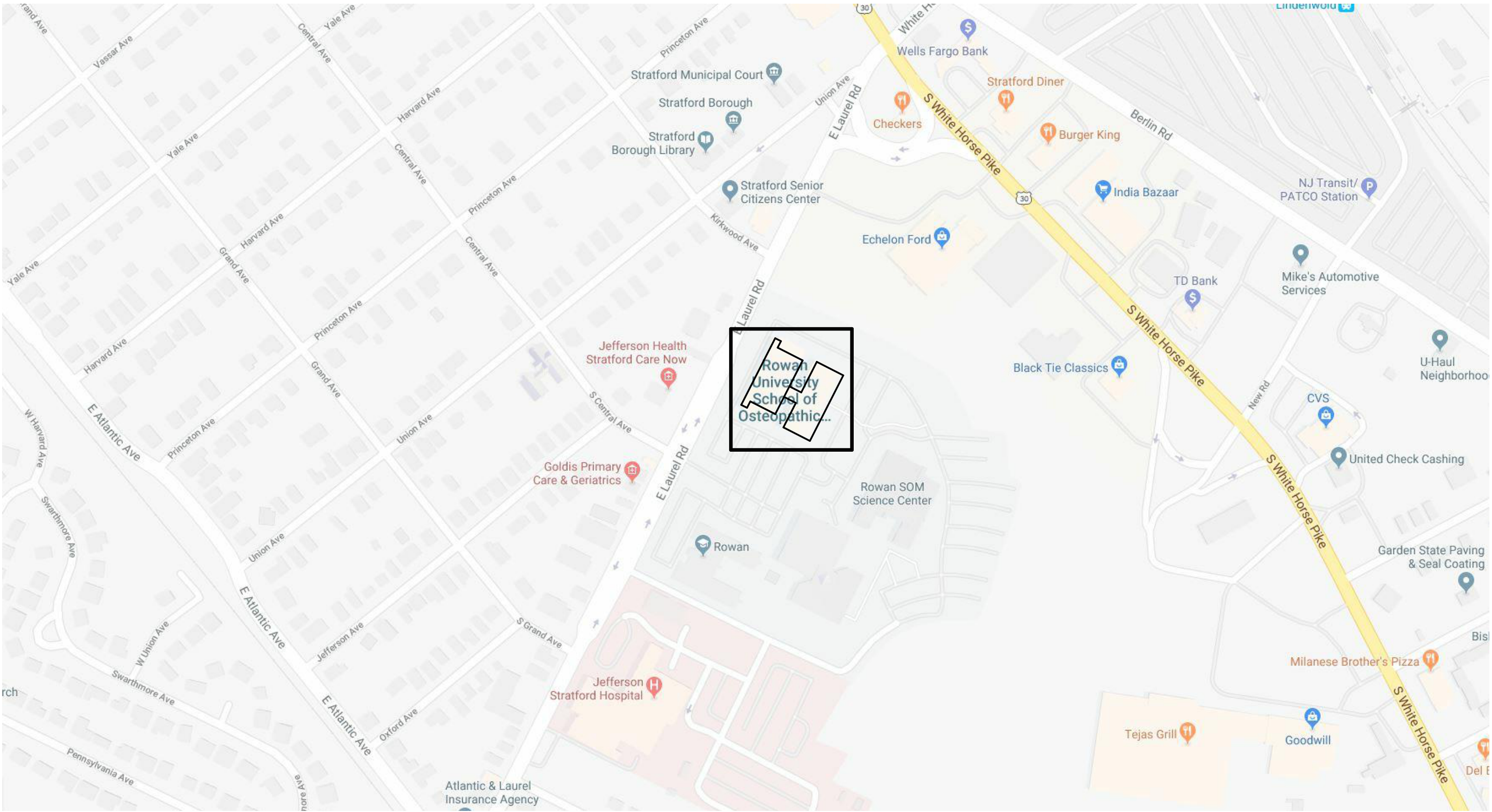
# SOM THIRD FLOOR RENOVATIONS

42 E. LAUREL ROAD #1718 STRATFORD, NJ 08084

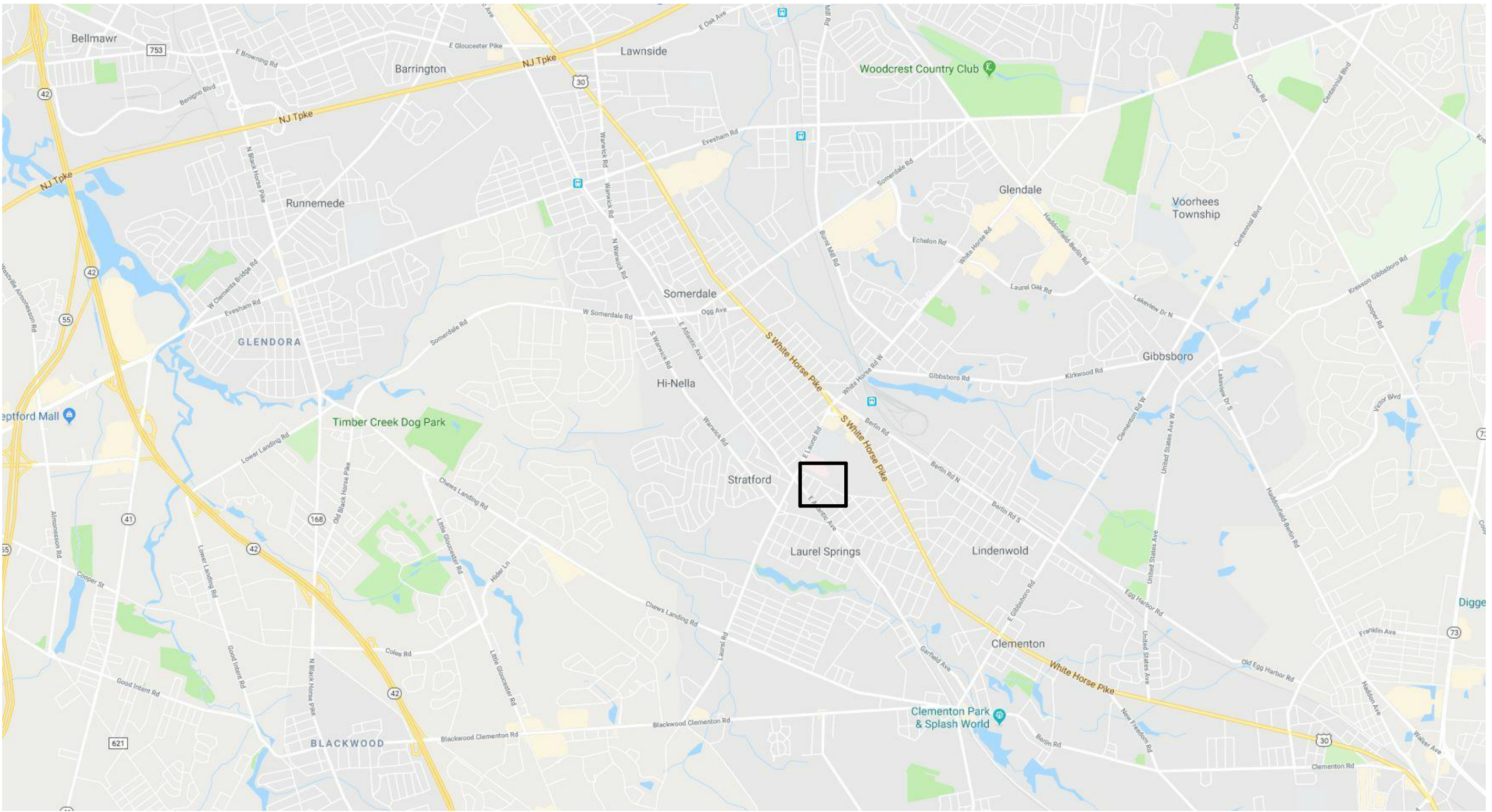
FOR THE

## ROWAN UNIVERSITY

201 MULICA HILL ROAD, GLASSBORO, NEW JERSEY 08028



LOCAL MAP



REGIONAL MAP

DCA REVIEW NUMBER:

SCHILLER AND HERSH ASSOCIATES  
M / E / P ENGINEERS



SPIEZLE ARCHITECTURAL GROUP, INC  
1395 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08691  
Phone: 609.695.7400 Fax: 609.394.2274  
www.spiezle.com

|                                |
|--------------------------------|
| SOM THIRD FLOOR<br>RENOVATIONS |
| 20U006                         |
| DRAWING NUMBER:                |
| CS.1                           |

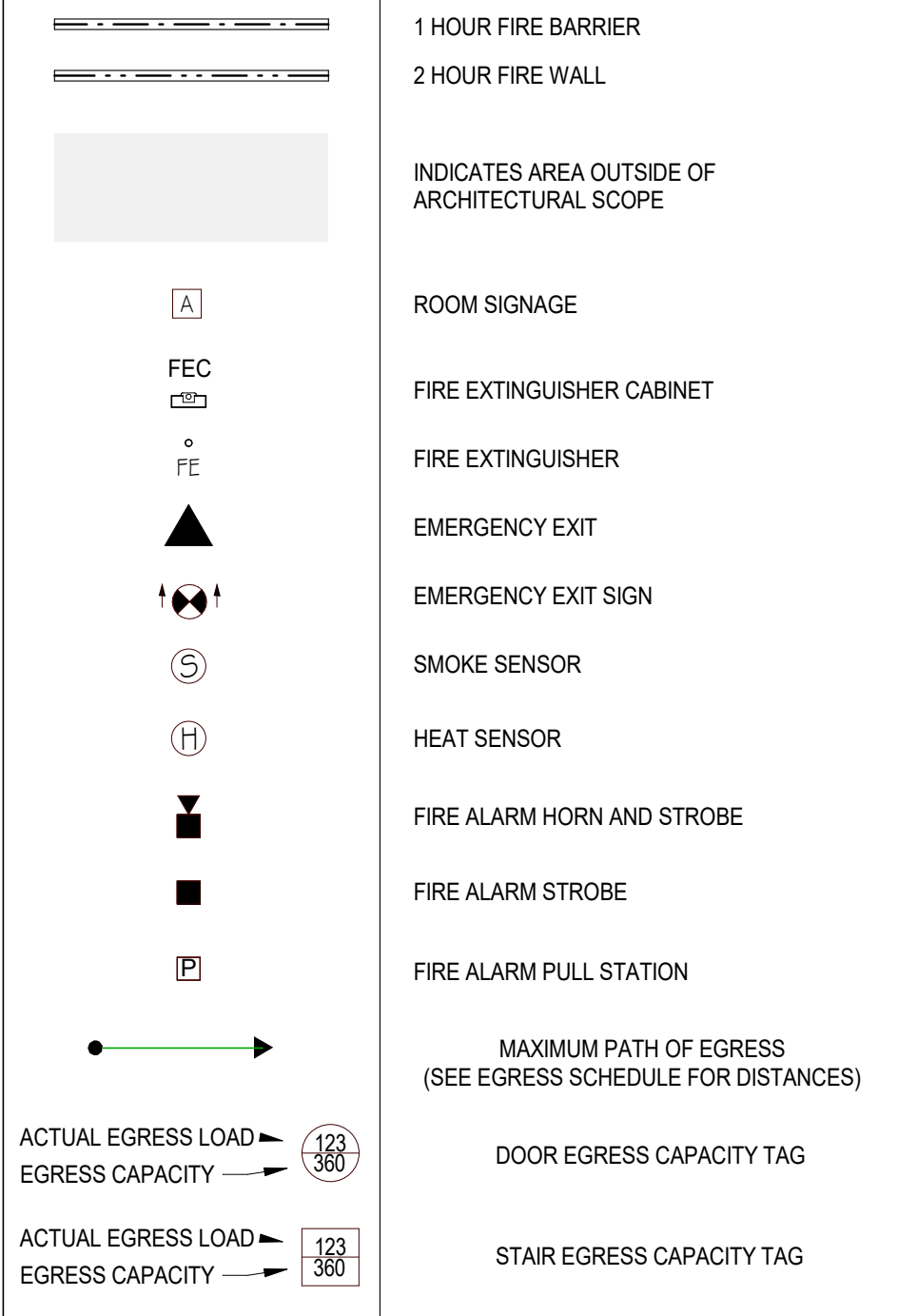


ISSUED FOR PERMIT - 7/22/2022



3'-0" = 1'-0"  
1 1/2" = 1'-0"  
1" = 1'-0"  
3/4" = 1'-0"  
1/2" = 1'-0"  
1/4" = 1'-0"  
1/8" = 1'-0"  
1/16" = 1'-0"

## CODE PLAN LEGEND



GENERAL NOTES:  
1. MAXIMUM OCCUPANT LOAD AS SHOWN IS USED FOR EGRESS CALCULATIONS ONLY.  
2. EGRESS CAPACITY IS BASED ON CLEAR WIDTH OF DOORS MINUS 3" FOR SINGLE DOOR, 6" FOR DOUBLE DOOR.  
3. CONTRACTOR SHALL VERIFY ALL EXISTING FIRE RATED WALL PARTITIONS (INDICATED ON THE CODE PLANS) ARE COMPLIANT WITH APPLICABLE CODES AND UL ASSEMBLY TYPES. IN THE EVENT OF NON-COMPLIANCE, CONTRACTOR SHALL UPGRADE AND/OR AUGMENT S4D WALL ASSEMBLY TO PROVIDE COMPLIANT WALL ASSEMBLY THAT MEETS FIRE RATING REQUIREMENTS INDICATED ON THE CODE PLANS.

## APPLICABLE CODES (NJ)

1. NJ UNIFORM CONSTRUCTION CODE NJAC 5:23
2. INTERNATIONAL BUILDING CODE, 2018, NEW JERSEY EDITION
3. NATIONAL STANDARD PLUMBING CODE, 2018
4. NATIONAL ELECTRICAL CODE (NFPA 70), 2017
5. ENERGY SUBCODE, ASHRAE 90.1-2016
6. INTERNATIONAL MECHANICAL CODE, 2018
7. INTERNATIONAL FUEL GAS CODE, 2018
8. REHABILITATION SUBCODE, NJAC 5:23-6
9. BARRIER FREE SUBCODE, CHAPTER 11 OF IBC/2018 AND ICC/ANSI A117.1-2009.

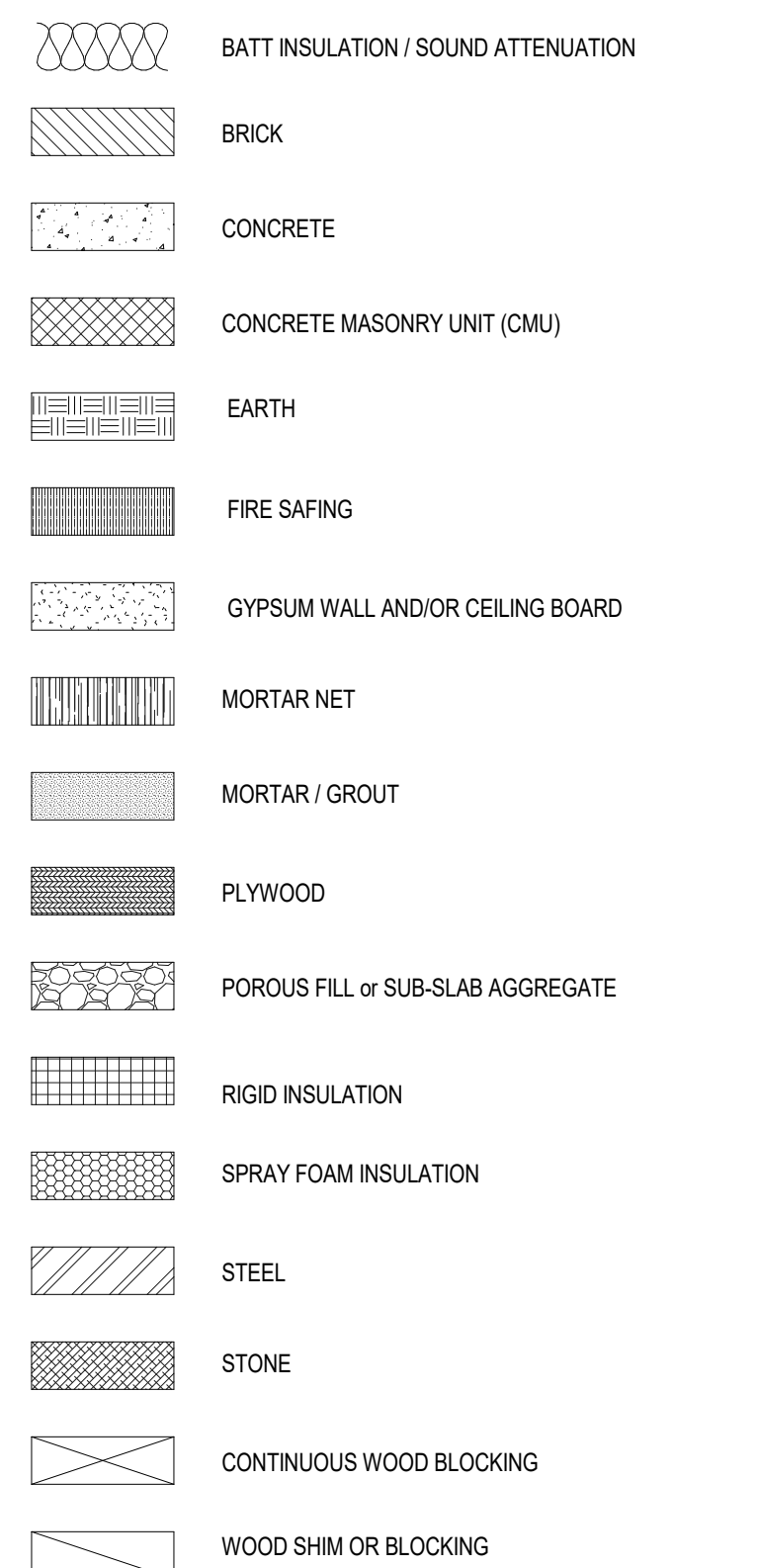
## BUILDING DESIGNATION

**NEW JERSEY INTERNATIONAL BUILDING CODE 2018**  
USE GROUP CLASSIFICATION: BUSINESS GROUP B  
CONSTRUCTION TYPE: TYPE 2 (B) - FULLY SPRINKLERED  
PROJECT RENOVATION AREA: 5,170 SF  
PROJECT RENOVATION VOLUME: 61,611 CF (BASED ON 11'-11" FLOOR TO FLOOR)  
ALLOWABLE BUILDING HEIGHT (504.3): 75 FT  
ALLOWABLE NUMBER OF STORIES (504.4): (4)  
ACTUAL BUILDING HEIGHT: EXISTING (UNCHANGED)  
ACTUAL NUMBER OF STORIES: EXISTING (UNCHANGED)  
ALLOWABLE BUILDING AREA PER FLOOR: EXISTING  
ACTUAL BUILDING AREA PER FLOOR (TABLE 506.2): EXISTING (UNCHANGED)

## MAXIMUM PATH OF EGRESS TRAVEL

| Mark | Length |
|------|--------|
| A    | 103    |

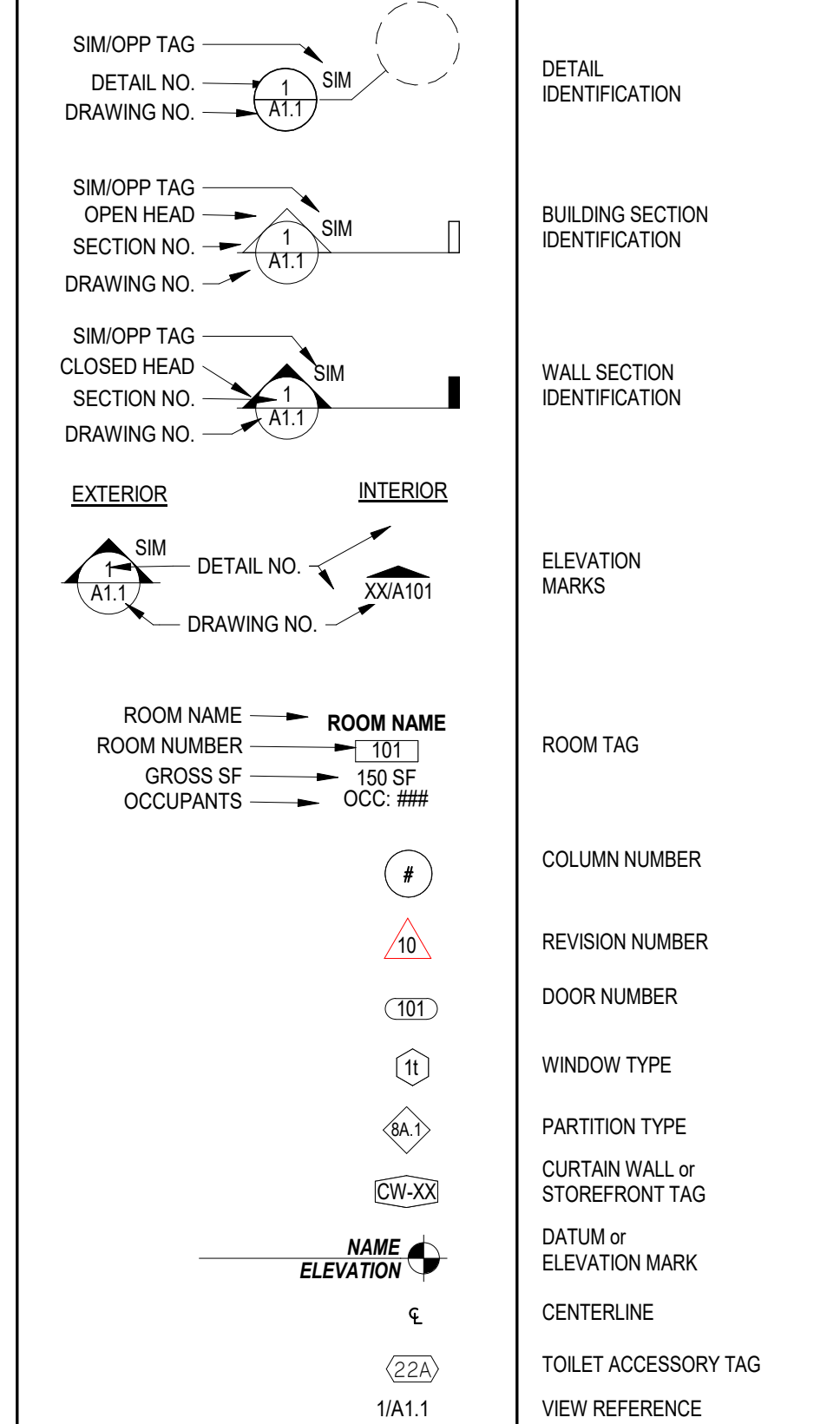
## MATERIAL SYMBOLS



## ABBREVIATIONS

CJ CONTROL JOINT  
CMU CONCRETE MASONRY UNIT  
DN DOWN  
DWG DRAWING  
EFS EXTERIOR INSULATION AND FINISH SYSTEM  
EL ELEVATION  
EQ EQUAL  
EJ EXPANSION JOINT  
EWC ELECTRIC WATER COOLER  
FD FLOOR DRAIN  
FE FIRE EXTINGUISHER (BRACKET MOUNTED)  
FEC FIRE EXTINGUISHER CABINET  
FT FOOT or FEET  
FRTW FIRE RETARDANT TREATED WOOD  
GSE GROSS SQUARE FEET  
GWB GYPSUM WALL BOARD  
HM HOLLOW METAL  
HP HIGH POINT  
LP LOW POINT  
MAX MAXIMUM  
MIN MINIMUM  
MO MASONRY OPENING  
NA NOT APPLICABLE  
NC NOT IN CONTRACT  
NSF NET SQUARE FEET  
OC ON CENTER  
OD OVER/LOW DRAIN OR OUTSIDE DIAMETER  
PTD PAINT or PAINTED  
PTW PRESSURE TREATED WOOD  
PVC POLY-VINYL CHLORIDE  
RD ROOF DRAIN  
REIN REINFORCED OR REINFORCING  
RWC RAIN WATER CONDUCTOR  
SF SQUARE FEET  
TOS TOP OF STEEL  
TYP TYPICAL  
UNO UNLESS NOTED OTHERWISE  
VIF VERIFY IN FIELD

## DRAWING SYMBOLS



## LIST OF DRAWINGS

| DWG. NO.                                   | TITLE   |
|--|---|
| GENERAL                                    |   |
| CS.1                                       | COVER   |
| CS.2                                       | NOTES, ABBREVIATIONS, DETAILS, WALL TYPES & CODE PLAN |
| DEMOLITION                                 |   |
| D1.1                                       | DEMOLITION PLAN                                       |
| ARCHITECTURAL                              |   |
| A1.1                                       | FLOOR PLAN  |
| A4.1                                       | REFLECTED CEILING PLAN                                |
| A8.1                                       | CASWORK AND EQUIPMENT PLANS                           |
| A8.1                                       | FINISH PLAN   |
| HEATING, VENTILATION, AND AIR CONDITIONING |   |
| M0.1                                       | MECHANICAL COVER SHEET                                |
| DM1.1                                      | MECHANICAL DUCTWORK DEMOLITION THIRD FLOOR PLAN       |
| MT.1                                       | MECHANICAL DUCTWORK NEW WORK THIRD FLOOR PLAN         |
| NZ.1                                       | MECHANICAL PIPING NEW WORK THIRD FLOOR PLAN           |
| PLUMBING                                   |   |
| P0.1                                       | PLUMBING COVER SHEET                                  |
| DP1.1                                      | PLUMBING SANITARY & VENT DEMOLITION PLAN THIRD FLOOR  |
| FP.1                                       | PLUMBING THIRD FLOOR SANITARY & VENT NEW WORK PLAN    |
| ELECTRICAL                                 |   |
| E0.1                                       | ELECTRICAL COVER SHEET                                |
| DE1.1                                      | LIGHTING DEMO THIRD FLOOR PLAN                        |
| DE2.1                                      | POWER/COMM DEMO THIRD FLOOR PLAN                      |
| E1.1                                       | LIGHTING THIRD FLOOR PLAN                             |
| E2.1                                       | POWER THIRD FLOOR PLAN                                |
| FIRE SUPPRESSION                           |   |
| FP.1                                       | FIRE PROTECTION COVER SHEET                           |
| FP1.1                                      | FIRE PROTECTION NEW WORK THIRD FLOOR PLAN             |

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.  
1385 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08691  
PHONE: 609-695-7400

SIGNATURE:  
THOMAS S. PIERRO 2140105400  
SCOTTIE ZOWIE 2140105400  
STEVEN LEONE 2140110100  
STEVENS BEDEL 2140105400  
ANGELA ALBERTO 2140105400  
JAMES W. WRIGHT 2140105400  
SPIEZLE ARCHITECTURAL GROUP, INC. 2140105400

SEAL:



CONSULTANTS:

ISSUED FOR PERMIT -  
7/22/2022

PROJECT:  
**SOM THIRD FLOOR RENOVATIONS**  
42 E. LAUREL ROAD #1718 STRATFORD, NJ 08084  
FOR  
**ROWAN UNIVERSITY**  
201 MULICA HILL ROAD, GLASSBORO, NEW JERSEY 08028

REVISIONS:  
#1 REVISION NAME DATE

FOR BID: DOMMYYYY

DRAWING TITLE:

NOTES, ABBREVIATIONS, DETAILS, WALL TYPES & CODE PLAN

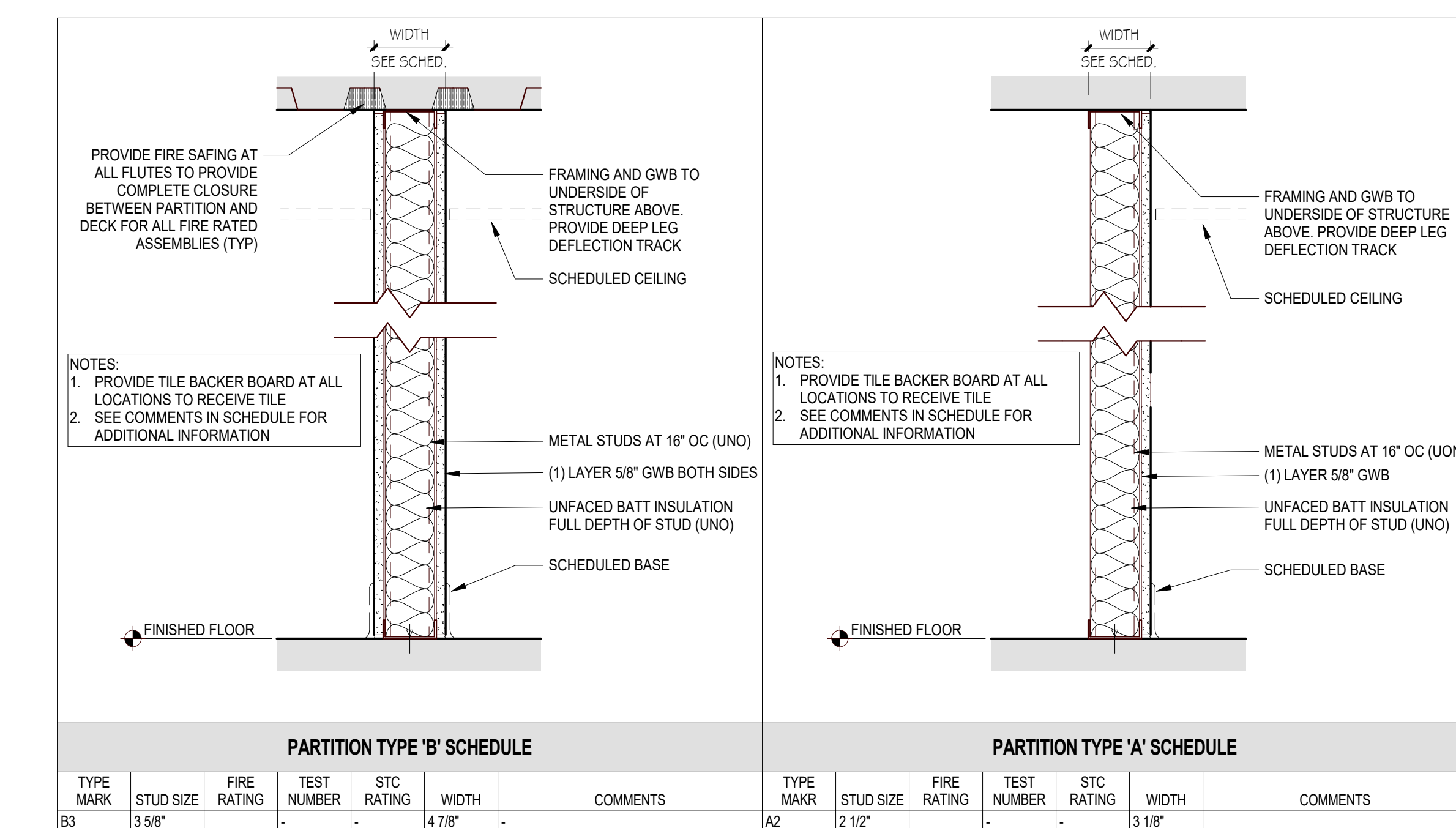
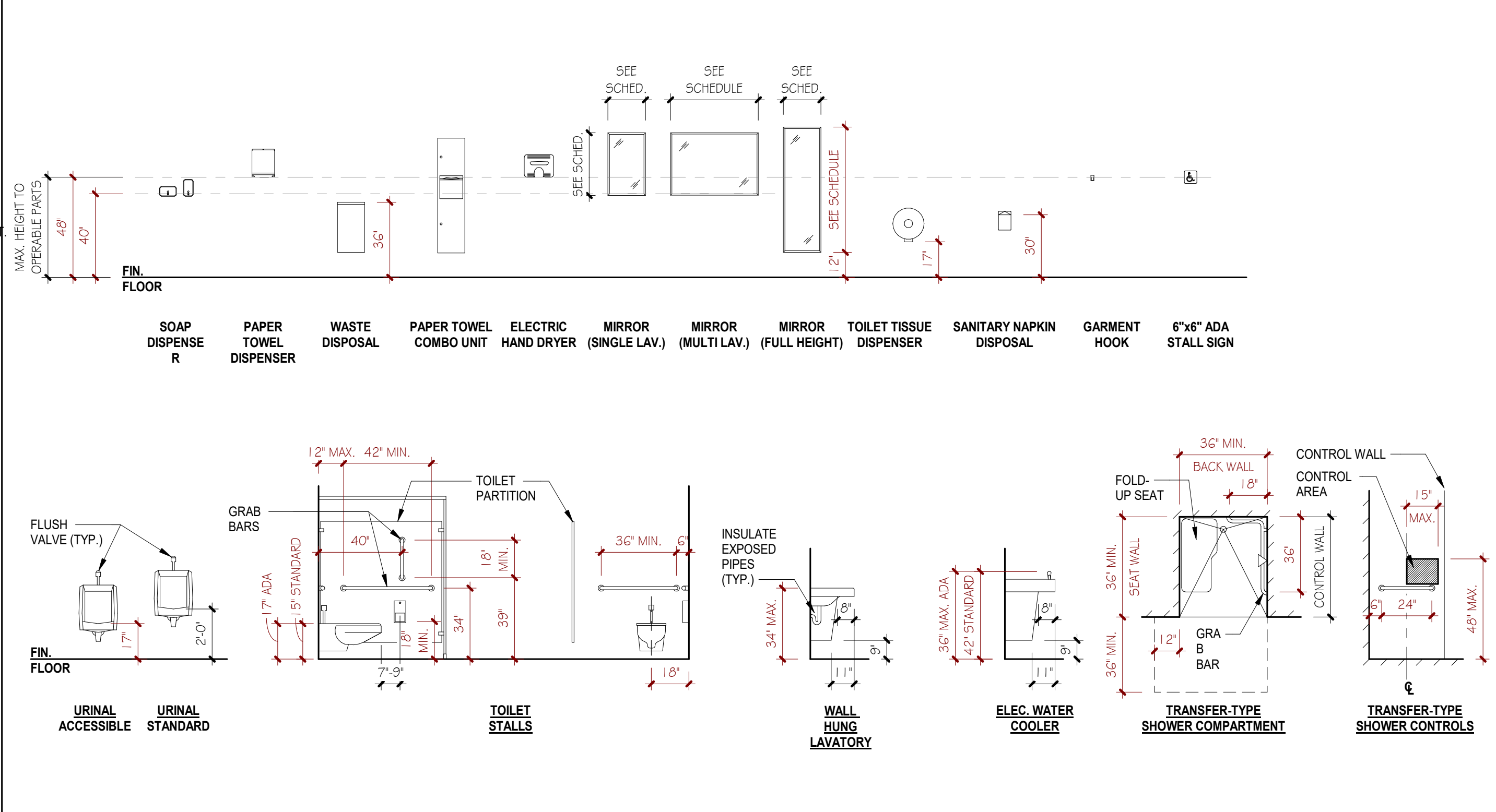
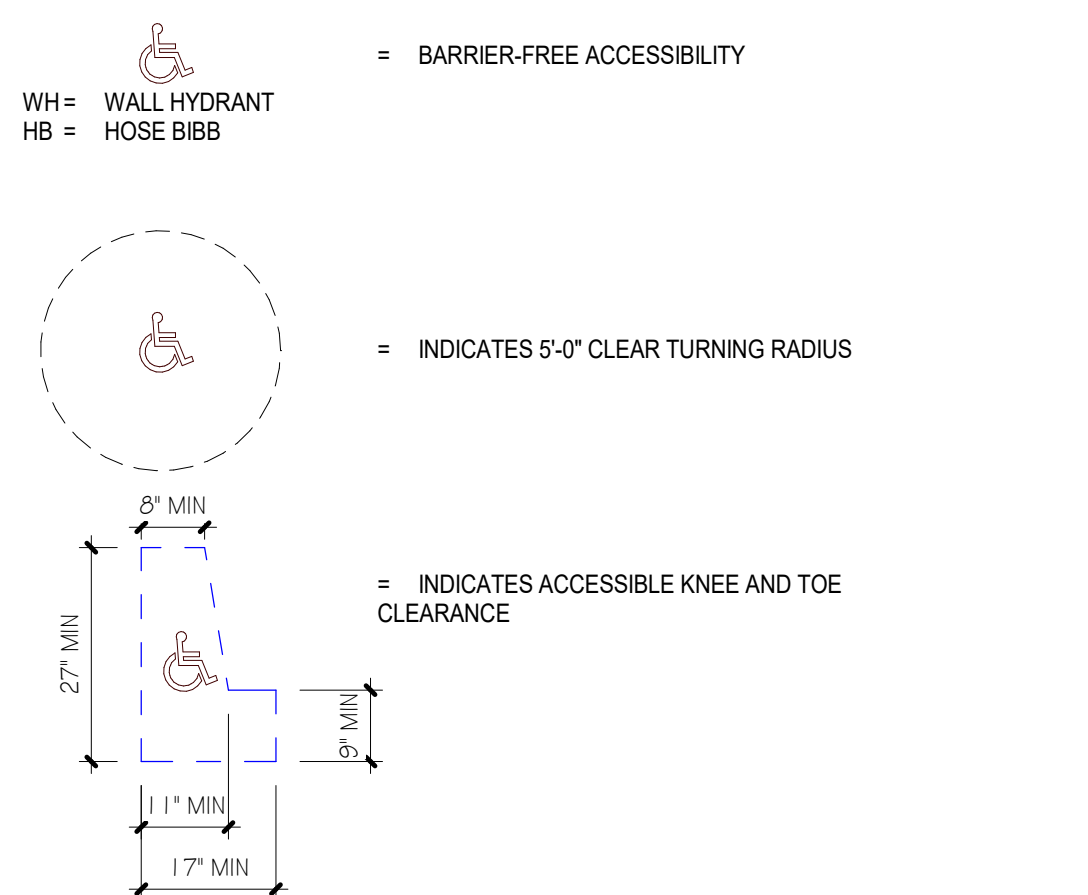
COMMISSION NUMBER:  
20U006

DO NOT SCALE THE DRAWINGS

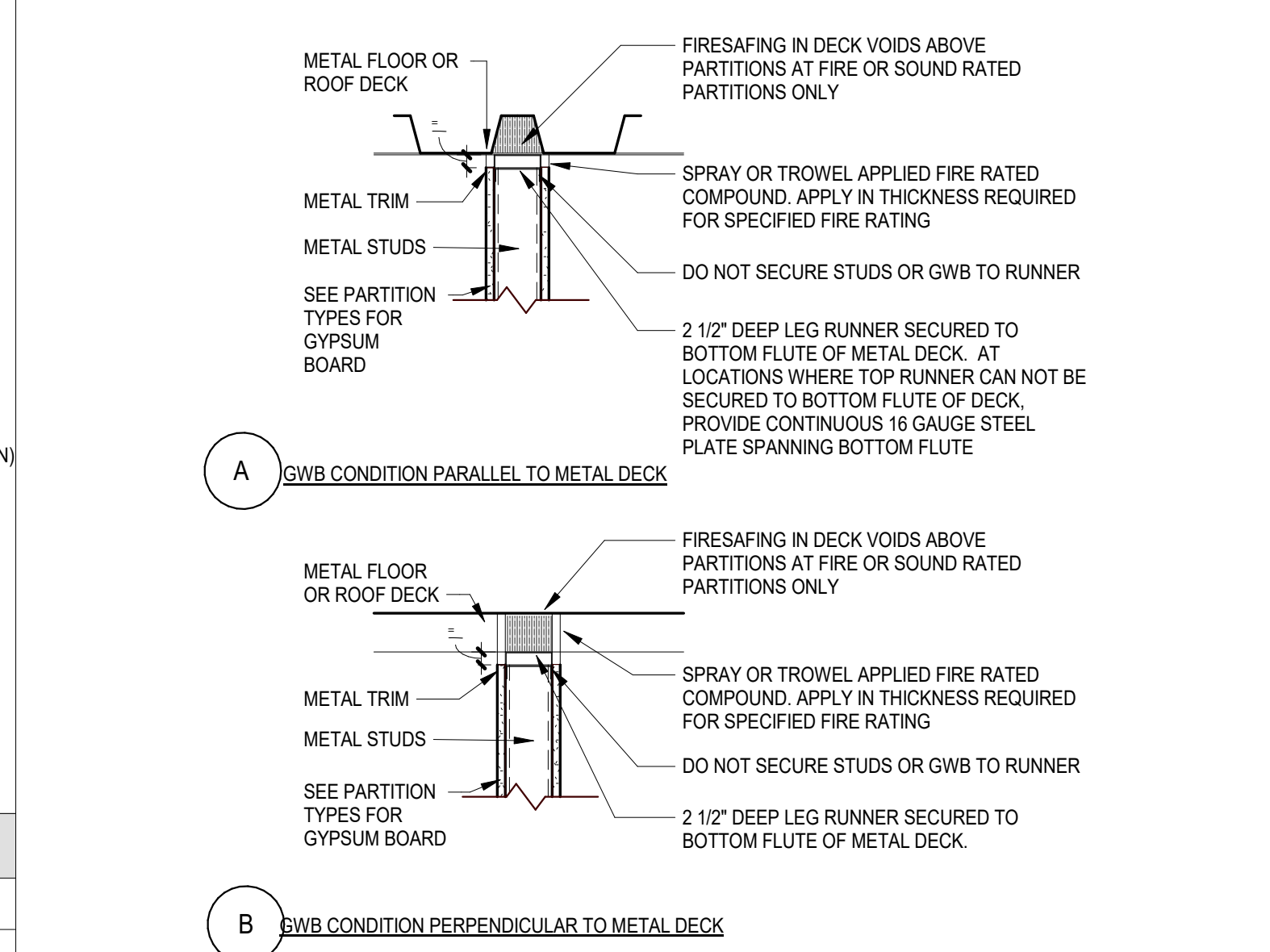
DRAWING NUMBER:  
**CS.2**

## ACCESSIBILITY DESIGN STANDARDS AND STANDARD MOUNTING HEIGHTS

AMERICAN NATIONAL STANDARD  
ICC/ANSI A117.1-2009, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES  
NEW JERSEY UNIFORM CONSTRUCTION CODE  
SUBCHAPTER 7: BARRIER-FREE DESIGN  
INTERNATIONAL BUILDING CODE 2015, NEW JERSEY EDITION  
CHAPTER 11  
NOTES:  
1. FIXTURES SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODES AND REGULATIONS.  
2. WRAP ALL EXPOSED PIPING.  
3. HEIGHT OF WATER CLOSETS ARE MEASURED FROM FINISHED FLOOR TO THE TOP OF THE SEAT.  
4. DISPENSERS SHALL BE 1'-1/2" MINIMUM BELOW OR 12" MINIMUM ABOVE GRAB BAR (TYP.) AT FRAMED WALL ASSEMBLIES WHETHER INDICATED OR NOT, PROVIDE IN-WALL BLOCKING WITH WOOD OR METAL STRAPPING IN FRAMED CONSTRUCTION TO SUPPORT TOILET ACCESSORIES. VERIFY SUBSTRATES AND PROVIDE BLOCKING AS RECOMMENDED BY THE ACCESSORY MANUFACTURER TO ADEQUATELY SUPPORT THE DESIGN LOADS REQUIRED FOR EACH ACCESSORY AND AS REQUIRED TO MAINTAIN PRODUCT WARRANTY.



**GYPSUM WALLBOARD NOTES:**  
1. FIRE SAFING DETAILS TYPICAL FOR ALL FIRE RATED  
2. WALLS AND ANCHOR PARTITIONS U.L. SYSTEM No. HW-D-045 (S.M.)



## CODE PLAN - THIRD FLOOR



THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"



PLAN LEGEND

- INDICATES AREA OUTSIDE OF ARCHITECTURAL SCOPE
- PROPOSED STUD WALL (SEE PARTITION TYPES)
- EXISTING WALL TO REMAIN
- PROPOSED DOOR
- EXISTING DOOR TO REMAIN
- ARCHITECTURAL KEYNOTE

GENERAL NOTES

- ELEVATION AT TOP OF FINISHED FLOOR SLAB SHALL BE REFERENCED AS DATUM ELEVATION 0'-0".
- DO NOT SCALE THE DRAWINGS. IF A DIMENSION IS UNCLEAR OR A DISCREPANCY IS FOUND IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO THE COMMENCEMENT OF WORK. WHERE FABRICATION IS REQUIRED, DIMENSIONS SHALL BE VERIFIED PRIOR TO THE PRODUCTION OF SHOP DRAWINGS.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, STATUTES, AND REGULATIONS IN PERFORMANCE OF THE WORK.
- REFER TO THE FIRE RESISTANCE DIRECTORY (LATEST EDITION) BY UNDERWRITERS LABORATORIES FOR THE REQUIREMENTS OF ALL SPECIFIED FIRE RATED ASSEMBLIES.
- DETAILS AND SECTIONS ON THE DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED IN A SIMILAR MANNER OR BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION. MODIFICATIONS MAY BE REQUIRED BY THE CONTRACTOR TO ACCOMMODATE FOR MINOR VARIATIONS IN THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND INSTALLATION OF OWNER SUPPLIED EQUIPMENT AS IDENTIFIED IN THE DRAWINGS AND SPECIFICATIONS, INCLUDING THE RELOCATION OF EXISTING EQUIPMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING CONCEALED UTILITIES AND COORDINATING WITH NEW WORK. ADVISE ARCHITECT/ENGINEER OF CONFLICTS PRIOR TO COMMENCEMENT OF WORK.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE PROJECT AND SCHEDULING OF THE WORK CONDUCTED BY OTHER TRADES.
- THE CONTRACTOR SHALL CONSTRUCT CHASES AND / OR RECESSES AS SHOWN, AND AS REQUIRED TO CONCEAL THE WORK OF OTHER TRADES AS DIRECTED BY THE ARCHITECT TO MATCH ADJACENT CONSTRUCTION, REGARDLESS IF SHOWN ON THE DRAWINGS.
- ALL FLOOR PENETRATIONS FOR PIPING AND CONDUIT SHALL BE SLEEVED AND SEALED.
- PARTITIONS SHALL BE LAID OUT STARTING FROM CONDITIONS WHERE ALIGNMENT WITH EXISTING CONSTRUCTION IS SHOWN, UNLESS OTHERWISE NOTED. DIMENSIONS ARE TAKEN TO THE FACE OF WALLS / PARTITIONS. CLEAR DIMENSIONS SHALL BE TAKEN FROM THE FINISHED FACE OF WALLS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL BLOCKING IN FRAMED WALL ASSEMBLIES WHERE WALL MOUNTED ACCESSORIES, CABINETS OR OTHER ACCESSORIES ARE INDICATED.
- TERMINATE ALL INTERIOR WALLS TO THE UNDERSIDE OF DECKING, UNLESS OTHERWISE NOTED OR INDICATED BY SPECIFIC PARTITION TYPES. REFER TO SHEET CS-2 FOR PARTITION TYPE INFORMATION.
- REFER TO ROOM FINISH LEGEND AND PROJECT SPECIFICATIONS FOR FINISH REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING SURFACES TO REMAIN, RESULTING FROM DEMOLITION, PATCH AND REPAIR TO MATCH NEARBY ADJACENT SURFACES. REFER TO WRITTEN SPECIFICATIONS FOR MORE FURTHER REQUIREMENTS.
- EXISTING FLOOR PENETRATIONS EXPOSED AS A RESULT OF DEMOLITION SHALL BE PATCHED AND REPAIRED TO MATCH NEARBY ADJACENT CONSTRUCTION. INFILL SHALL CONSIST OF NON-SHRINK GROUT.

CODE REVIEW:

CERTIFICATE:



SPIEZZE ARCHITECTURAL GROUP INC.  
1385 YARDVILLE HAMILTON SQUARE ROAD  
HAMILTON, NJ 08691  
PHONE: 609-695-7400  
SUITE 2A

SIGNATURE:

THOMAS S. PIERRO 2140105460  
SCOTT E. ZOWIE 2140105460  
STEVEN LEONE 2140110100  
STEVENS BEGEL 2140105460  
ANGELA ALBERTO 2140105460  
JANE S. WISNET 2140110100  
SPIEZZE ARCHITECTURAL GROUP, INC. 2140105460

SEAL:



CONSULTANTS:

ISSUED FOR PERMIT -  
7/22/2022

PROJECT:

SOM THIRD FLOOR  
RENOVATIONS

42 E. LAUREL ROAD #1718 STRATFORD,  
NJ 08084

FOR

ROWAN UNIVERSITY

201 MULlica HILL ROAD, GLASSBORO,  
NEW JERSEY 08028

REVISIONS:

| # | REVISION NAME | DATE |
|---|---------------|------|
|---|---------------|------|

FOR BID:

DO/M/YYYY

DRAWING TITLE:

FLOOR PLAN

COMMISSION NUMBER:

20U006

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

A1.1

DOOR AND FRAME SCHEDULE

| NO.   | FROM    | TO              | NO. OF PANELS | DOOR  |        |        |      | MATERIAL | FRAME |        |           |           | THRESHOLD TYPE | HARDWARE SET | FIRE RATING | DOOR GLAZING | REMARKS  |
|-------|---------|-----------------|---------------|-------|--------|--------|------|----------|-------|--------|-----------|-----------|----------------|--------------|-------------|--------------|--|
|       |         |                 |               | WIDTH | HEIGHT | THICK. | TYPE |          | TYPE  | MATER. | HEAD TYPE | JAMB TYPE |                |              |             |              |  |
| 3715A | PASSAGE | CLINICAL SKILLS |               | 4'-0" | 7'-0"  | 1 3/4" | N    | VD       | HM1   | HM     | H1        | J1        | -              | *            | -           | GL-1         | * CLASSROOM FUNCTION LOCK TO MATCH BUILDING STANDARD |
| 3715B | VIEWING | CLINICAL SKILLS |               | 3'-0" | 7'-0"  | 1 3/4" | F    | VD       | HM1   | HM     | H1        | J1        | -              | *            | -           | GL-1         | * PASSAGE FUNCTION LOCK TO MATCH BUILDING STANDARD   |
| 3728A | STORAGE | PASSAGE         |               | 3'-0" | 7'-0"  | 1 3/4" | F    | VD       | HM1   | HM     | H1        | J1        | -              | *            | -           | -            | * STOREROOM FUNCTION LOCK TO MATCH BUILDING STANDARD |

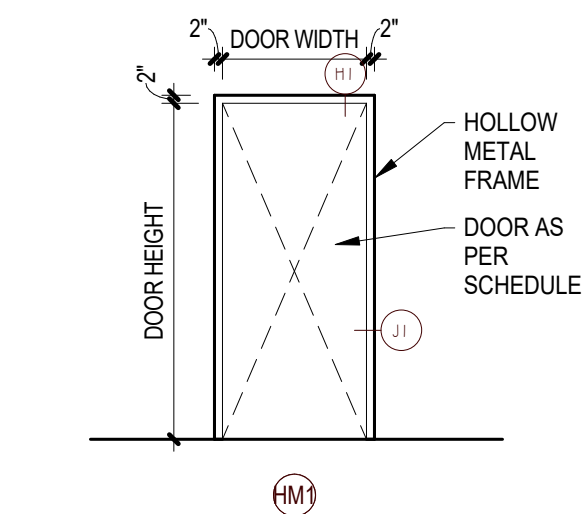
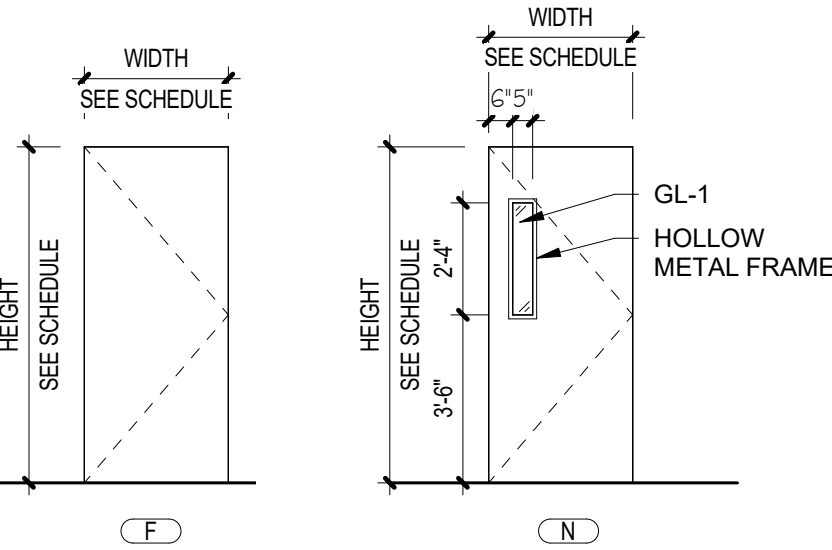
DOOR AND FRAME NOTES

- ABBREVIATIONS: WD=WOOD, HM=HOLLOW METAL, ALUM=ALUMINUM
- OPENING FORCE OF INTERIOR NON-RATED DOORS SHALL BE NO GREATER THAN 5 LBS.
- OPENING FORCE OF FIRE RATED DOORS SHALL BE NO GREATER THAN 8 LBS.
- ALL INTERIOR GLAZING IN NON-FIRE RATED DOORS SHALL BE 1/4" THICK, TEMPERED GLAZING. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
- SHIM ASSEMBLIES AS REQUIRED FOR PLUMB AND LEVEL INSTALLATION. PROVIDE SEALANT AND BACKER RODS AT ALL JOINTS BETWEEN WINDOW SYSTEMS, DOOR FRAMES AND OTHER SURROUNDING CONSTRUCTION.
- THE MINIMUM LATCH SIDE CLEARANCE BETWEEN THE EDGE OF DOOR AND ADJACENT WALL OR OBSTRUCTIONS ON PULL SIDE SHALL BE 1'-0" MINIMUM.
- THE MINIMUM LATCH SIDE CLEARANCE BETWEEN THE EDGE OF DOOR AND ADJACENT WALL OR OBSTRUCTIONS ON PUSH SIDE SHALL BE 1'-0" MINIMUM.
- DO NOT APPLY WALL BASE TO HOLLOW METAL OR ALUMINUM FRAMES, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF POWER, CONDUIT AND/OR WIRING, ETC. AT OPENINGS SCHEDULED TO RECEIVE DEVICES SUCH AS DOOR CONTACTS, CARD READERS, ELECTRIC LOCKS AND AUTOMATIC DOOR OPENERS.
- ALL DOOR SIZES AND HANDING TO BE FIELD VERIFIED PRIOR TO THE SUBMISSION OF SHOP DRAWINGS. SHOP DRAWINGS SHALL BE ASSUMED TO REPRESENT IN-PLACE DIMENSIONS AS FIELD VERIFIED BY THE CONTRACTOR.
- ALL DOOR HARDWARE SHALL BE ADA COMPLIANT.
- WOOD DOOR SPECIES, CUT, AND FINISH SHALL MATCH EXISTING ADJACENT WOOD DOORS.

GLAZING SCHEDULE

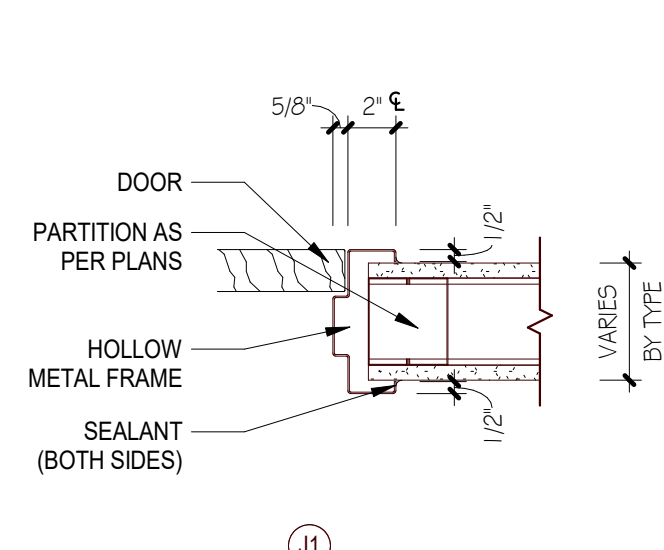
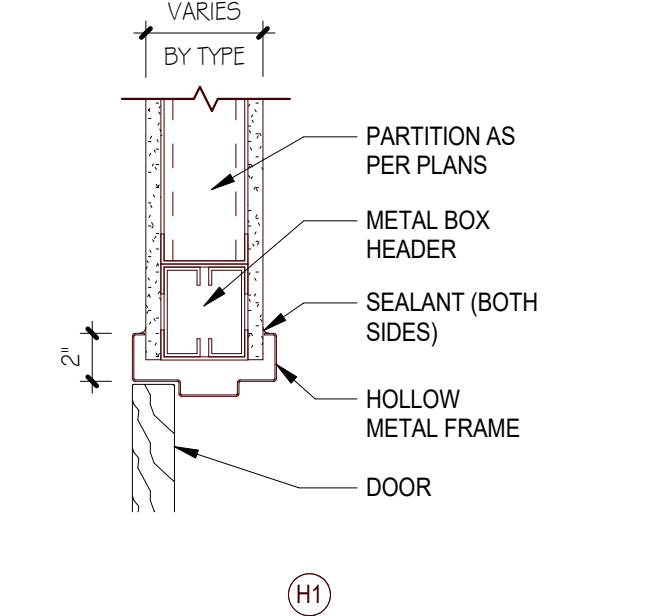
| DESIGNATION | DESCRIPTION          |
|-------------|----------------------|
| GL-1        | 1/4" CLEAR, TEMPERED |

NOTE: FOR MORE GLAZING INFORMATION, REFER TO WRITTEN SPECIFICATIONS



1 FRAME TYPES

1/4" = 1'-0"

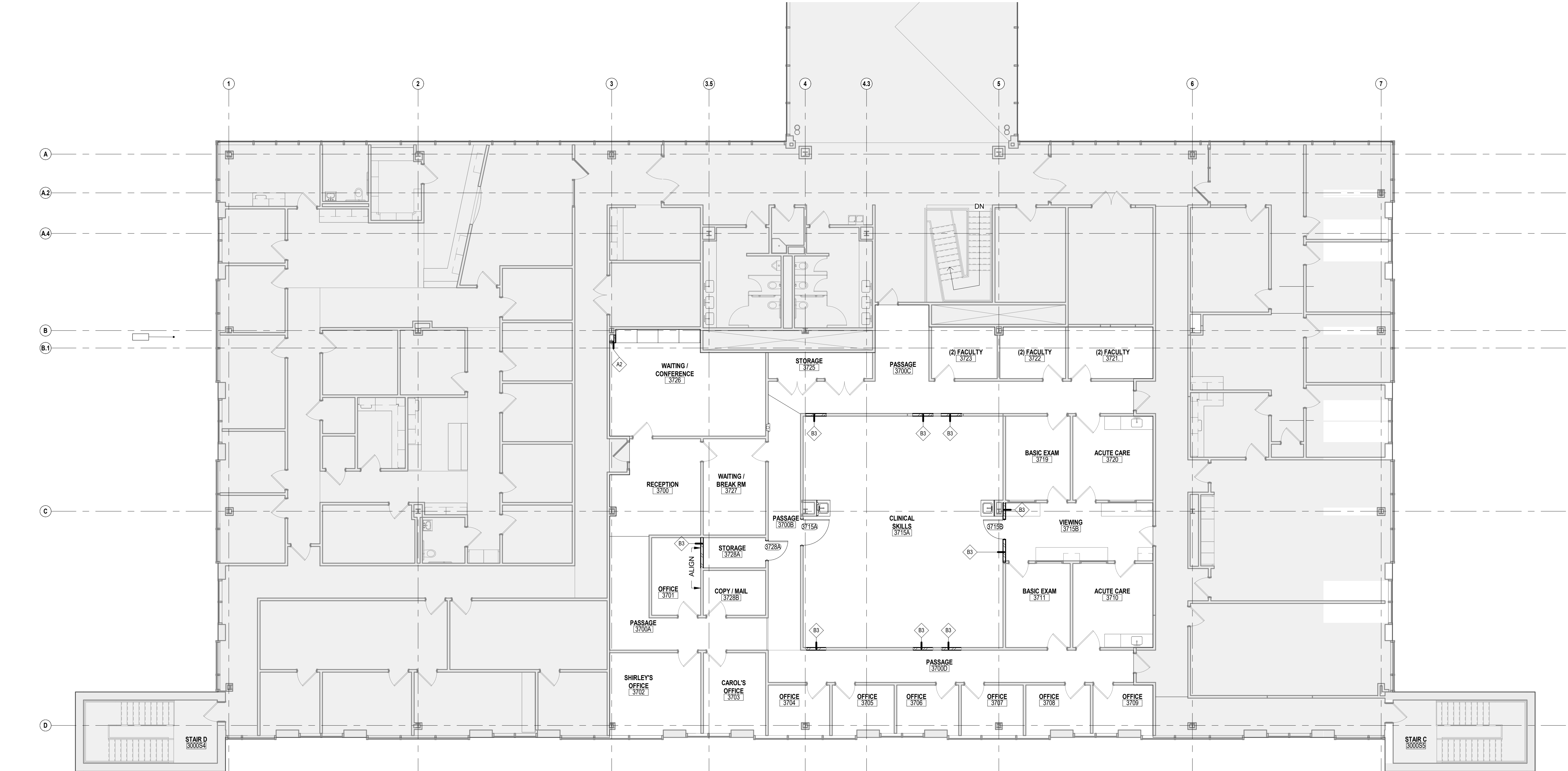


2 HEAD AND JAMB DETAILS

1 1/2" = 1'-0"

3 DOOR TYPE ELEVATIONS

1/4" = 1'-0"



8 FLOOR PLAN - THIRD FLOOR

1/8" = 1'-0"





1. INCLUSION OF SIGNAGE IN LEGEND DOES NOT IMPLY SCOPE OF WORK. REFER TO PLANS.
2. CONTRACTORS SHALL COORDINATE WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF FIXTURES AND OTHER CEILING DEVICES.
3. REFER TO MEP DRAWINGS FOR SIZES, TYPES, QUANTITIES, MOUNTING HEIGHTS, AND INSTALLATION REQUIREMENTS OF FIXTURES AND CEILING DEVICES.
4. WHERE CEILING HEIGHTS ARE BELOW WINDOW HEADS THE CONTRACTOR SHALL PROVIDE A FASTENING METHOD TO MATCH SIZE AND TYPE OF CEILING TRIM.
5. ANY EQUIPMENT SHOWING HEREIN, INCLUDING PROJECTORS AND PROJECTION SCREENS, SHALL BE RELOCATED TO AVOID COLLISION WITH ADJACENT WALLS WITH OTHER LIGHTING AND CEILING DEVICES.
6. ALL GYPSUM BOARD CEILINGS SHALL BE PAINTED C/P. UNLESS NOTED OTHERWISE, THE REFINISH SHALL BE WHITE. WHERE ADJACENT CEILING COLOUR IS INDICATED, ALL SURFACES (VERTICAL AND HORIZONTAL) OF THE INDICATED SURFACE SHALL BE PAINTED INDICATED COLOUR.
7. ALL CEILING FIXTURES WITHIN THE PROJECT AREA SHALL BE MOUNTED ON THE REFLECTED CEILING GRID. REFER TO CASEWORK AND ELECTRICAL DRAWINGS FOR LOCATIONS OF ADDITIONAL FIXTURES.
8. WHERE THE EXISTING GIRD IS REQUIRED TO BE MODIFIED AND NEW GRID TO BE INSTALLED TO SUPPORT CEILING MOUNTED FIXTURES WHERE SHOWN, THE CONTRACTOR SHALL PROVIDE THE MODIFICATION TO THE EXISTING AND IN PLACE OF EXISTING DEMOLISHED CEILING MOUNTED FIXTURES.



CERTIFICATE



|                                    |              |
|------------------------------------|--------------|
| <b>SIGNATURE:</b>                  |              |
| THOMAS S. PERRINO                  | 21A01565406  |
| SCOTT E. DOWNIE                    | 21A011674408 |
| STEVEN LEONE                       | 21A011737108 |
| STEVEN G. SIEGEL                   | 21A015842006 |
| ANGELO ALBERTO                     | 21A010495700 |
| JOHN F. WRIGHT                     | 21A017842008 |
| SPIELZLE ARCHITECTURAL GROUP, INC. | 21A000063008 |

A circular professional seal for John F. Wright, a Registered Architect in the State of New Jersey. The seal features the text "STATE OF NEW JERSEY" at the top, "JOHN F. WRIGHT" in the center, and "REGISTERED ARCHITECT" at the bottom. The number "17842" is prominently displayed in the center below the name.

CONSULTANTS

ISSUED FOR PERMIT -  
7/22/2022

PROJECT:

## SOM THIRD FLOOR RENOVATIONS

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NJ 08084

FOR  
ROWAN UNIVERSITY

201 MULICA HILL ROAD, GLASSBORO,  
NEW JERSEY 08028

REVISIONS

| # | REVISION NAME | DATE |
|---|---------------|------|
|---|---------------|------|

FOR BID:

DDMMYYYY

DRAWING TITLE:

REFLECTED CEILING  
PLAN

COMMISSION NUMBER

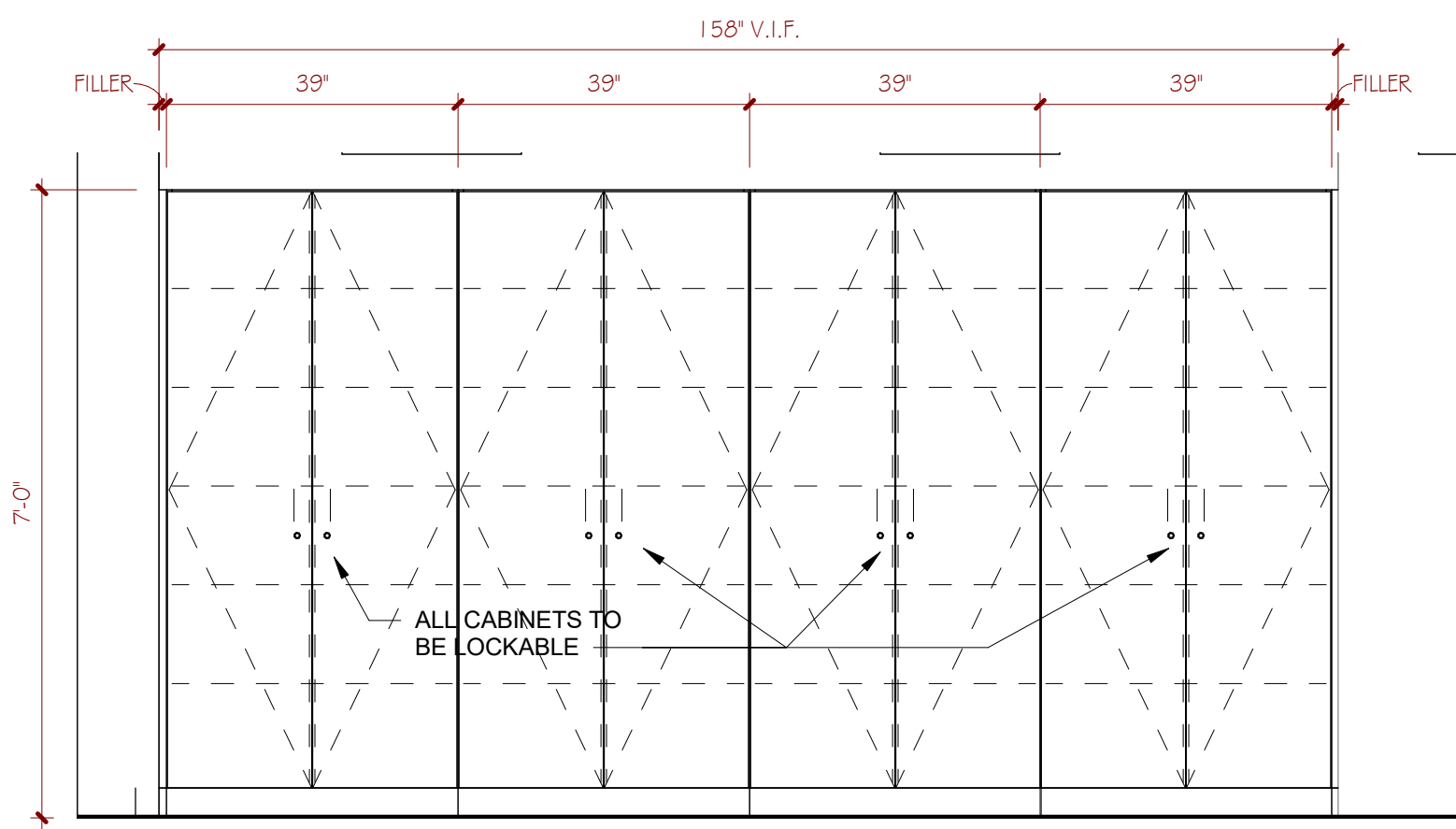
20U006

DO NOT SCALE THE DRAWINGS

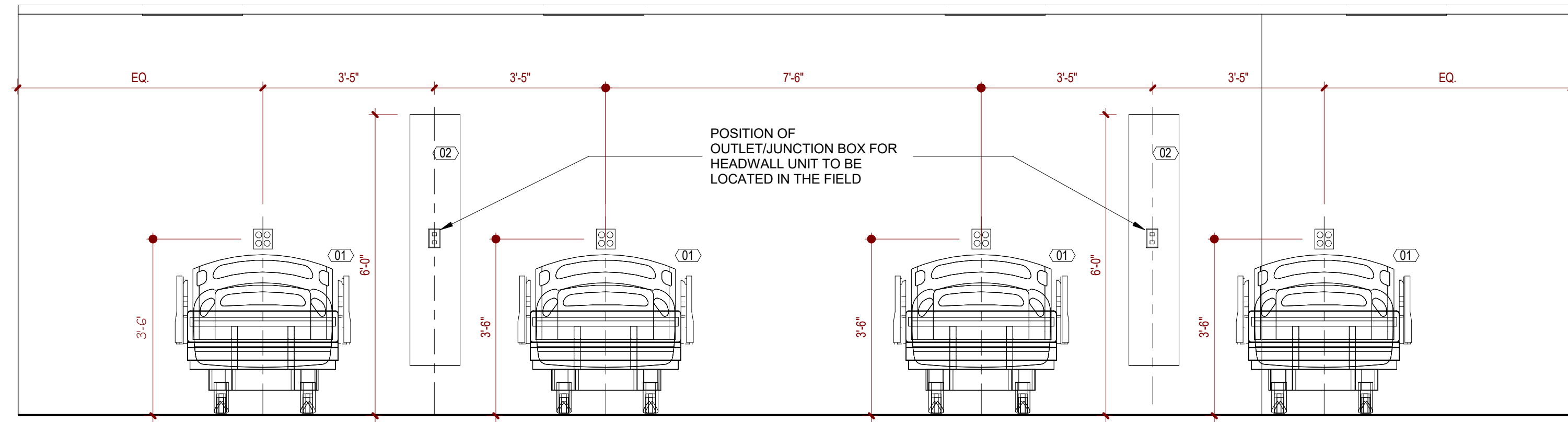
DRAWING NUMBER:

### A4.1

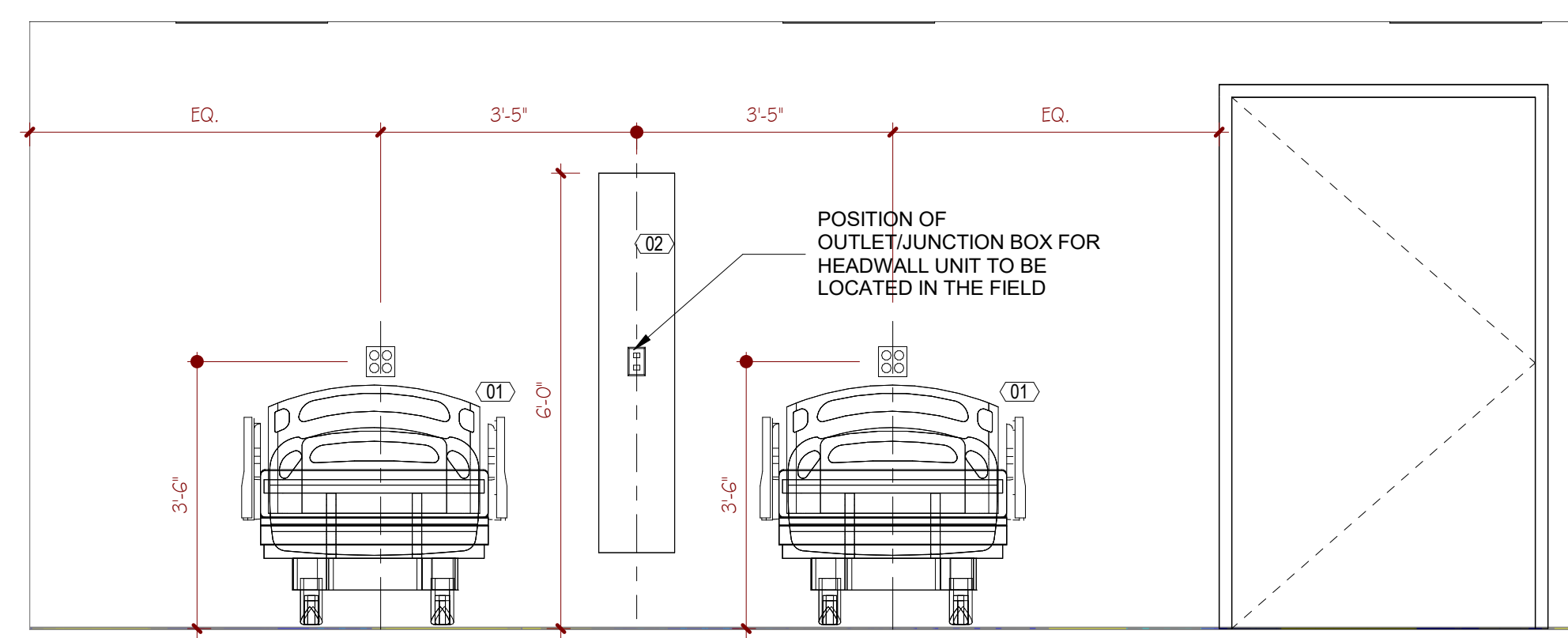




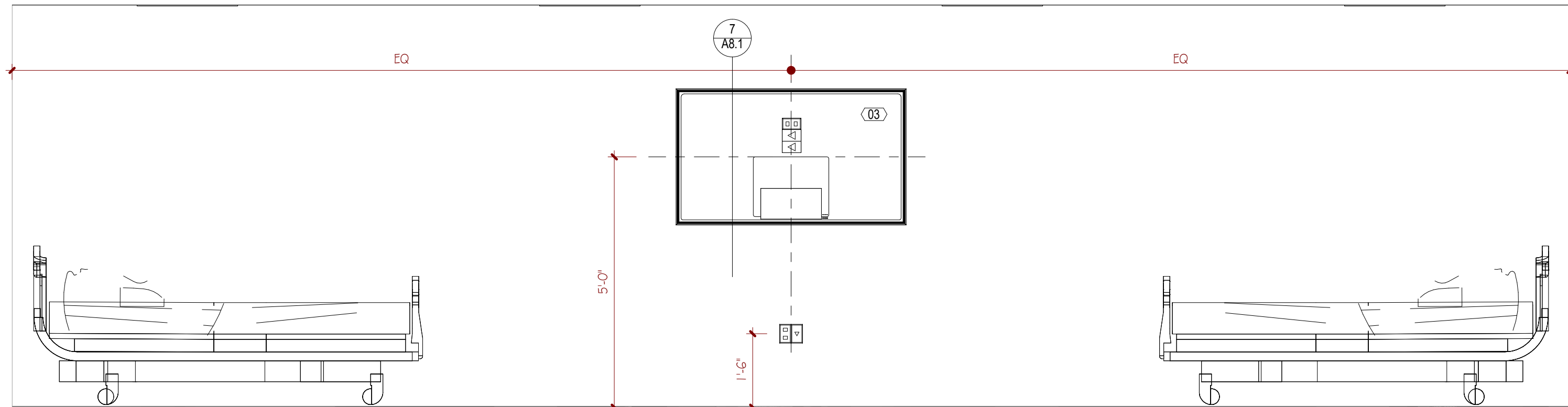
1 ELEVATION - 3726 WAITING / CONFERENCE  
1/2" = 1'-0"



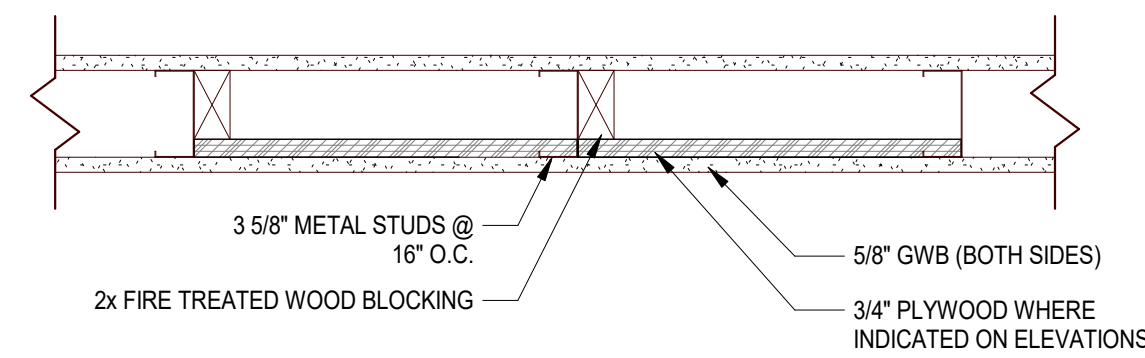
2 ELEVATION - 3715A CLINICAL SKILLS  
1/2" = 1'-0"



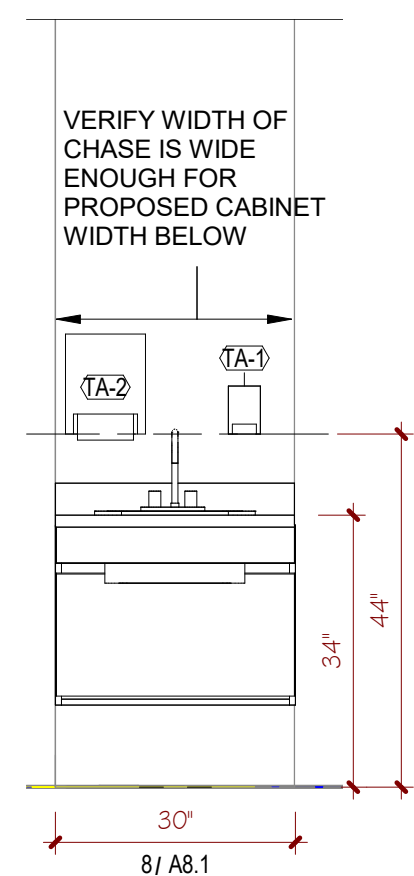
4 ELEVATION - 3715A CLINICAL SKILLS  
1/2" = 1'-0"



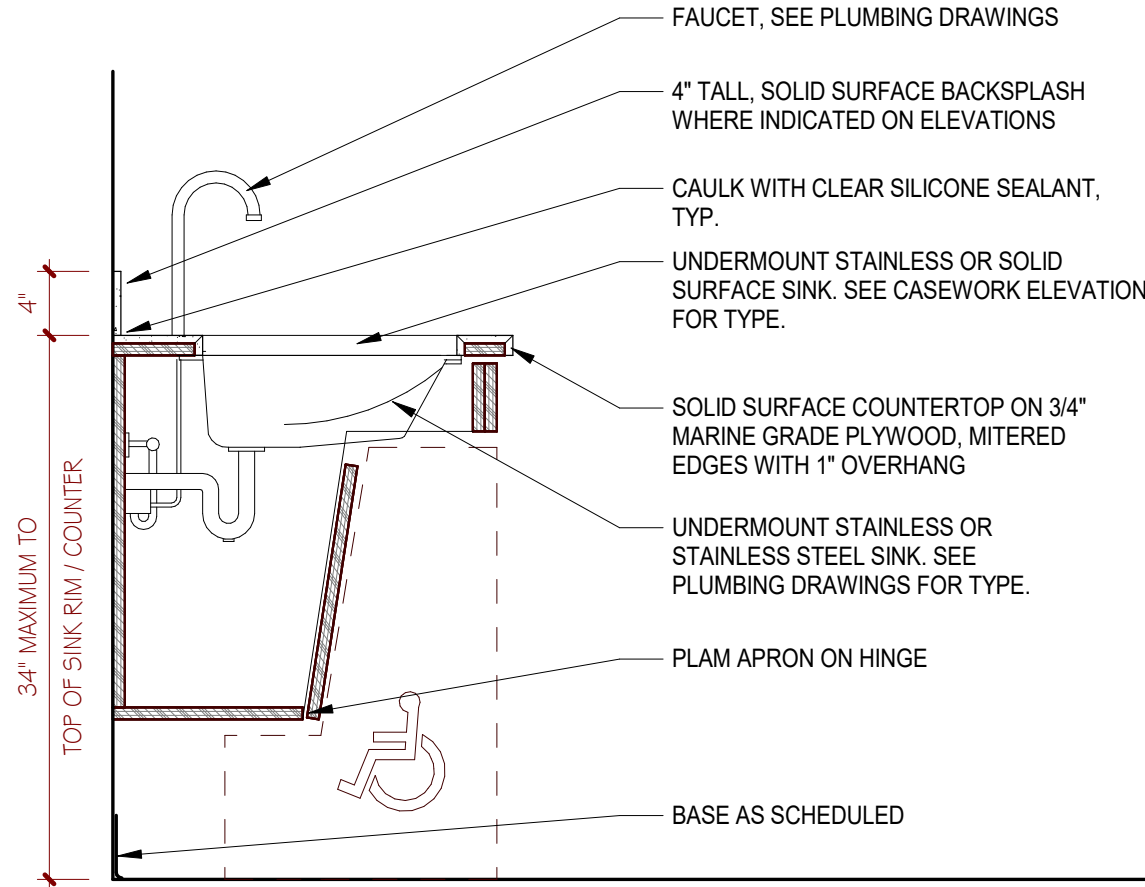
5 Elevation 8 - a  
1/2" = 1'-0"



7 TYPICAL MONITOR BLOCKING DETAIL  
1 1/2" = 1'-0"



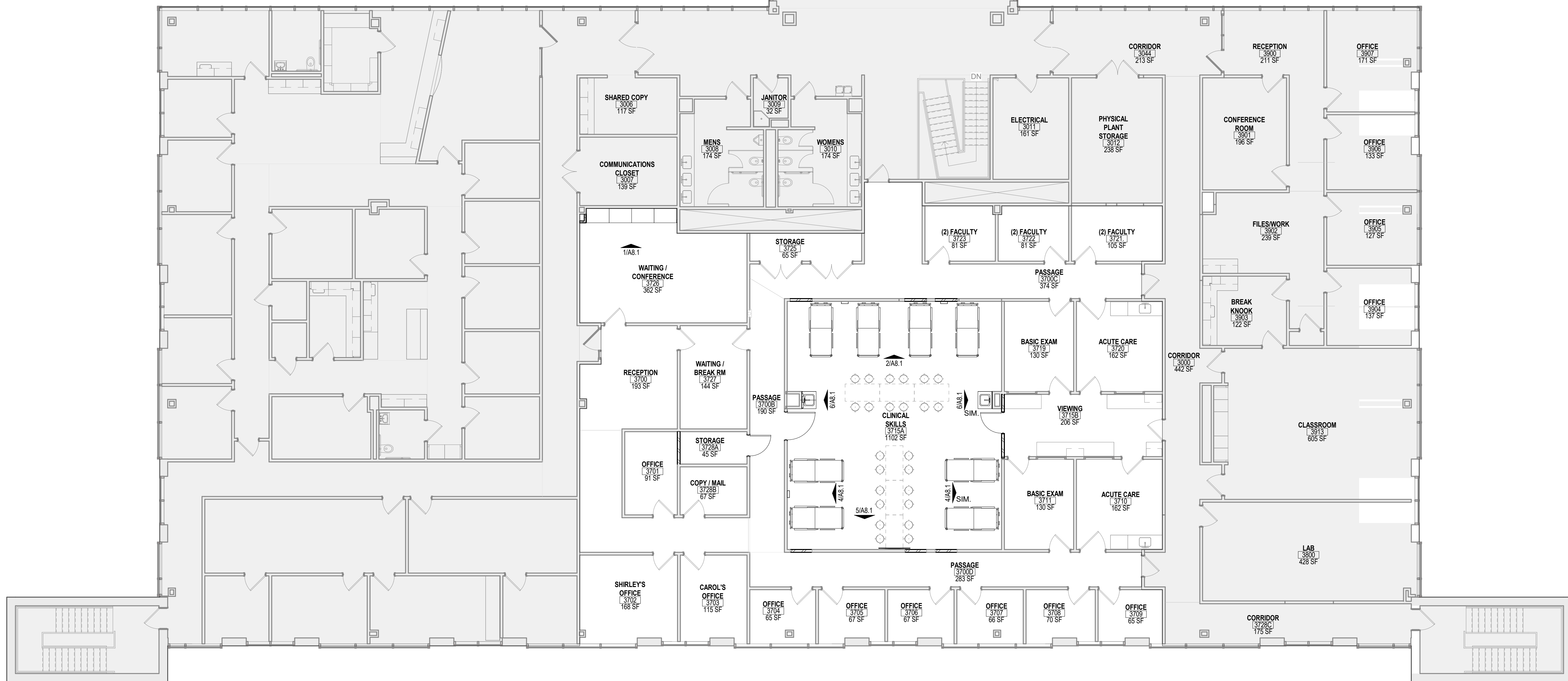
6 ELEVATION - HANDWASH SINK  
1/2" = 1'-0"



8 CASEWORK DETAIL  
1" = 1'-0"

### MILLWORK NOTES

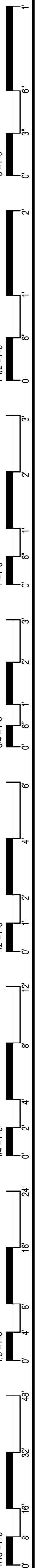
- ALL CASEWORK SHALL BE "CUSTOM GRADE" CONSTRUCTED AS DEFINED BY THE ARCHITECTURAL WOODWORK INSTITUTE (AWI). ALL CASEWORK TO BE FLUSH OVERLAY.
- ALL LAMINATES SHOULD RUN WITH THE GRAIN PATTERN ORIENTED VERTICALLY.
- OUTSIDE FASCIA CORNERS TO BE MITERED.
- ALL EXPOSED SIDE PANELS ON WALL CABINETS AND LIGHT VALENCES TO BE ONE PIECE OF LAMINATE.
- ALL SINK FRONTS TO ALIGN WITH ADJACENT DOOR AND DRAWER FACE.
- THERE SHOULD NOT BE A VERTICAL MULLION IN CABINETS WITH DOUBLE DOORS, 24" WIDE OR LESS.
- SEE CASEWORK ELEVATIONS FOR PLAM SEAM LOCATIONS.
- ALL OUTSIDE COUNTERTOP CORNERS TO HAVE A 2" RADIUS, WHERE COUNTERTOP IS ADJACENT TO EQUIPMENT. OUTSIDE COUNTERTOP CORNER SHALL HAVE NO RADIUS.
- FOR SINKS NOTED AS "SSU", PROVIDE A STAINLESS STEEL UNDERMOUNT SINK (SEE PLUMBING DRAWINGS).
- ALL EXPOSED SURFACES TO BE PLAM UNLESS NOTED OTHERWISE.
- ALL EXPOSED ADJUSTABLE SHELVES SHALL BE FULLY WRAPPED WITH PLASTIC LAMINATE TO MATCH CABINET.
- FIELD VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION.
- REFERENCES TO AV EQUIPMENT INCLUDING SCREENS, FLOOR BOXES (FB), SMARTBOARDS (SB), PROJECTORS AND PROJECTION SCREENS, ETC. ARE FOR GENERAL PURPOSES OF IDENTIFYING THESE ITEMS AS THEY RELATE TO OTHER EQUIPMENT AND DISPLAY SURFACES. REFER TO AV DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL LAYOUT REQUIREMENTS AND INFORMATION.
- FURNITURE SHOWN AS DASHED IS NOT IN CONTRACT. ANY FURNITURE SHOWN IS FOR REFERENCE PURPOSES ONLY.
- CABINET AND DRAWER PULLS TO BE HAFELE 155.0030, STEEL, FINISH CODE 107523. REFER TO WRITTEN SPECIFICATIONS FOR BALANCE OF CASEWORK HARDWARE.
- PROVIDE CABINET LOCKS WHERE INDICATED ON THE ELEVATIONS. LOCKS SHALL HAVE CORES TO MATCH DOORS. GENERAL CONTRACTOR TO COORDINATE KEYING REQUIREMENTS WITH OWNER.
- FURNISH AND INSTALL WOOD BLOCKING AT ALL WALL MOUNTED EQUIPMENT, WHETHER FURNISHED BY OWNER OR GC. FOR OWNER INSTALLED ITEMS, COORDINATE FINAL MOUNTING HEIGHTS WITH OWNER PRIOR TO INSTALLATION OF BLOCKING.
- POWER AND DATA RECEPTACLES INDICATED ON THE ELEVATIONS ARE NOT REPRESENTATIVE OF THE COMPLETE POWER AND DATA SCOPE AND ARE SHOWN FOR REFERENCE PURPOSES ONLY. REFER TO MEP DRAWINGS FOR COMPLETE SCOPE.
- ALL COUNTERTOPS ARE TO BE 25" DEEP UNLESS NOTED OTHERWISE ON PLANS AND/OR ELEVATIONS.
- ALL DRAWERS SHALL HAVE SOFT CLOSE SLIDES. ALL DOORS SHALL HAVE SOFT CLOSE HINGES.
- STORAGE RACKS SHALL BE ASSEMBLED BY GC. ANCHOR TO WALL ASSEMBLY WITH ANCHORS WITH SUFFICIENT PULL OUT STRENGTH BASED ON SHELF WEIGHT CAPACITY. MODEL NUMBER VARIES BASED ON LENGTH.





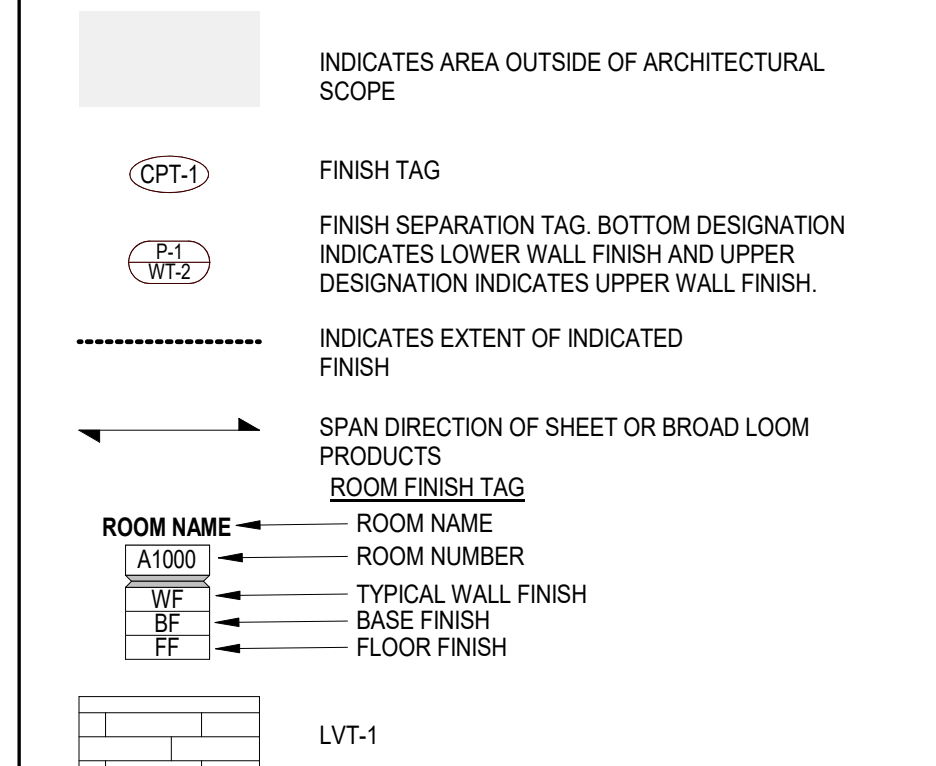
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| PAINT - 099000 |               |   |
|----------------|---------------|---|
| CP-1           | MANUFACTURER: | SHERWIN WILLIAMS                                  |
|                | COLOR:        | CEILING BRIGHT WHITE                              |
|                | COLOR NUMBER: | SW 7007   |
|                | FINISH:       | FLAT  |
|                | CONTACT:      | DOUGLAS DERKACS                                   |
|                | NOTE:         | DOUG.DERKACS@SHERWIN.COM<br>CEILING PAINT         |
| P-1            | MANUFACTURER: | BENJAMIN MOORE                                    |
|                | COLOR:        | REVERE REWTER                                     |
|                | COLOR NUMBER: | HC-172  |
|                | FINISH:       | EGGSHELL  |
|                | CONTACT:      | LINDA CIPRIANO                                    |
|                | NOTE:         | LINDA.CIPRIANO@BENJAMINMOORE.COM<br>GENERAL PAINT |
| P-2            | MANUFACTURER: | BENJAMIN MOORE                                    |
|                | COLOR:        | SIMPLY WHITE                                      |
|                | COLOR NUMBER: | 2143-70   |
|                | FINISH:       | SEMI-GLOSS  |
|                | CONTACT:      | LINDA CIPRIANO                                    |
|                | NOTE:         | LINDA.CIPRIANO@BENJAMINMOORE.COM<br>TRIM PAINT    |
| P-3            | MANUFACTURER: | BENJAMIN MOORE                                    |
|                | COLOR:        | BRIARWOOD   |
|                | COLOR NUMBER: | HC-175  |
|                | FINISH:       | EGGSHELL  |
|                | CONTACT:      | LINDA CIPRIANO                                    |
|                | NOTE:         | LINDA.CIPRIANO@BENJAMINMOORE.COM<br>ACCENT PAINT  |



**2 FINISH PLAN - THIRD FLOOR**  
1/8" = 1'-0"

## FINISH LEGEND

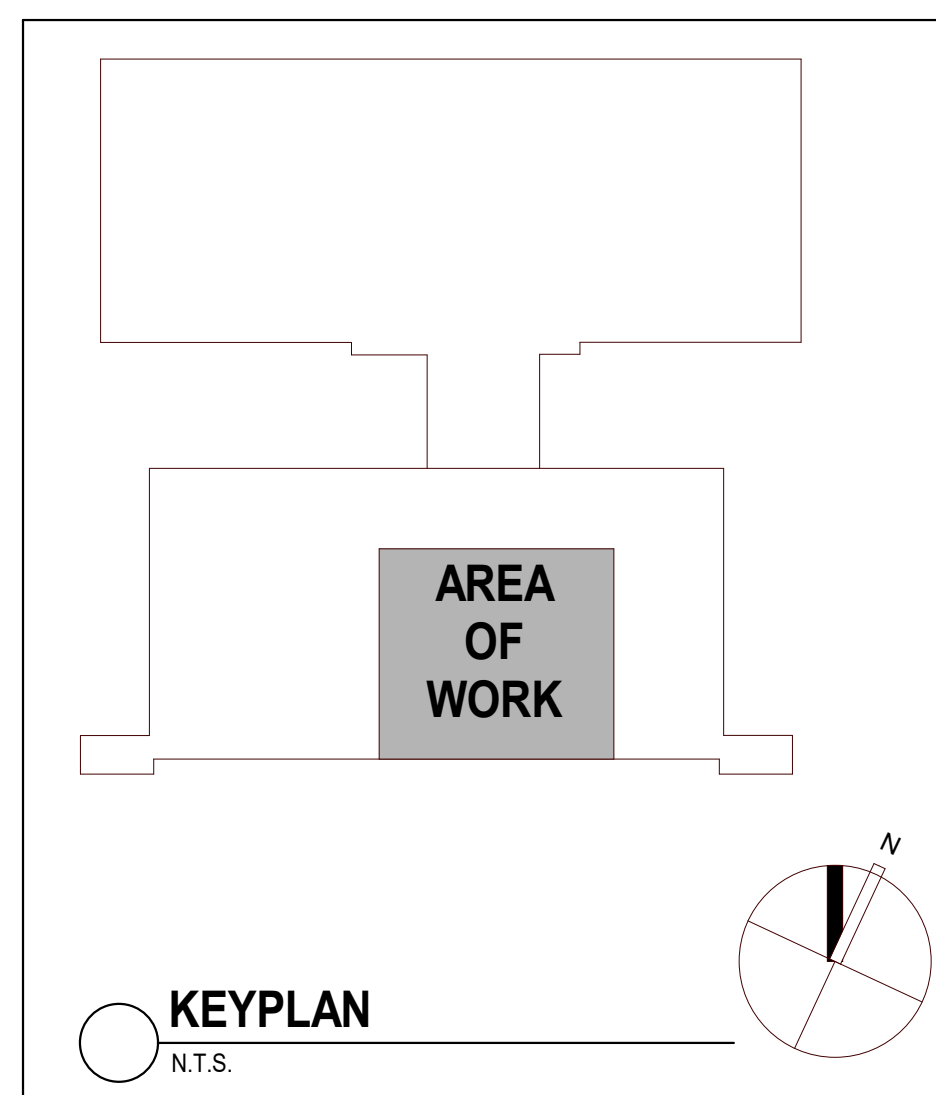


## GENERAL FINISH NOTES

1. GENERAL FINISH NOTES:
  - 1.1. NOTES PERTAIN TO AREAS WITHIN THIS SCOPE OF WORK ONLY.
  - 1.2. COLOR NOTATION: (C) FOR COLOR OR (F) FOR FINISH. IN THE EVENT OF CONTRADICTORY INFORMATION BETWEEN DRAWINGS, LEGEND AND (C) OR SPECIFICATIONS OR (F) COLOR AND (F) FINISH IS NOT SPECIFIED.
  - 1.3. FINISHES: FINISHES LISTED IN THE SPECIFICATIONS SHALL BE USED TO ENSURE DELIVERY THAT MEETS THE PROJECT REQUIREMENTS.
  - 1.4. REFER TO ALL INTERIOR FINISH NOTES AND INTERIOR DRAWINGS INCLUDING PLANS, ELEVATIONS AND DETAILS FOR COMPLETE INTERIOR FINISHING INFORMATION.
  - 1.5. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL MATERIALS AND LABOR TO ENSURE DELIVERY THAT MEETS THE PROJECT REQUIREMENTS.
  - 1.6. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL SITE CONDITIONS AND COORDINATE ALL SUBMITTALS WITH THE ARCHITECT AND THE OWNER.
  - 1.7. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY INFORMATION TO THE ARCHITECT/ CONTRACTOR INFORMATION CONTACTING THE INTERIOR DESIGNER/ ARCHITECT FOR CLARIFICATION PRIOR TO ORDERING.
  - 1.8. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS AND INSTRUCTIONS.
  - 1.9. WARRANTY INFORMATION AND ADHESIVES OF MAINTENANCE ON ALL FINISHES SHALL BE PROVIDED TO THE PROJECT OWNER AND INCLUDED IN THE CLOSEOUT WARRANTY AND MAINTENANCE MANUAL.
  - 1.10. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTAL SAMPLES OF ALL FINISHES TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIAL.
  - 1.11. ALL SUBSTRATE SURFACES SHALL BE PROPERLY PREPARED TO RECEIVE THE FINISHES. THE SUBTRACTOR SHALL NOT PROPERLY FINISHES UNLESS THE SUBSTRATE IS PREPARED PER MANUFACTURER'S WRITTEN INSTRUCTIONS FOR ALL INSTALLATIONS OR APPLICATIONS.
  - 1.12. FINISHES: WALL FINISHES: ELECTRICAL, PANELS: WALL MOUNTED BOXES, ACCESS PANELS, ETC., WHICH ARE EXPOSED IN FINISHED SPACES TO MATCH THE SURFACE ON WHICH THEY OCCUR. IF THE ITEM IS ON A WALL WITH WALL FINISHES, THE FINISH SHALL MATCH TO MATCH. SUBMIT TO INTERIOR DESIGNER/ ARCHITECT FOR APPROVAL.
  - 1.13. ALL DIRECTIONAL LAMINATES SHOULD RUN WITH THE GRAIN PATTERN ORIENTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.
  - 1.14. ALL WALL PANT TO BE FINISHED FINISH UNLESS NOTED OTHERWISE.
  - 1.15. ALL HOLLOW METAL FRAMES FOR DOORS AND GLAZING SYSTEMS SHALL BE PROTECTED BY MANUFACTURER.
  - 1.16. WALL PROTECTION (WP-1 / WP-3) TO BE TOP EDGE GLUED TO WALL. ALL SEAMS TO BE PROTECTED BY WP-1 AND CAULKED. "D" TYPE GLUE HAVE CHAMFERED EDGE BY MANUFACTURER.
  - 1.17. ALL RUBBER BASE TO BE ROLLED GROSS, NOT LINEAR 4" LENGTHS. UNITS TO BE RUBBER BASE, SWITCH PLATES, RECEPTACLE PLATES, ETC. SHALL BE GRAY.
  - 1.18. ALL OUTSIDE CORNERS OF TILED SURFACES, PROVIDE SCHLUTER RONDECOR 188 SERIES ROUNDED CORNERS. ALL CORNERS TO BE DIRECTED BY ARCHITECT FROM FULL RANGE OF MANUFACTURER'S COLORS.

**FLOOR FINISH NOTES:**

1. PROVIDE SHOP DRAWING LAYOUT SHOWING ALL FLOOR PATTERN LOCATIONS, GRAB DIRECTION AND SEAMING DIAGRAM.
2. INSTALL DRY LAY FLOORING ORIENTED AS SPECIFIED IN THE FINISH PLAN. REFERENCE MANUFACTURERS INSTALLATION SPECIFICATIONS FOR EACH FLOOR FINISH TYPE TO VERIFY REQUIREMENTS.
3. ALIGN TRANSITION OF FLOOR MATERIAL WITH CENTER OF HINGE IN DOORWAY UNIT.
4. IN A WALL OPENING WITHOUT HINGES REFER TO FINISH PLANS FOR TRANSITION LOCATION OF WRAPPED MATERIALS.
5. SCHEDULE DRY LAY FLOORING OF ALL MATERIALS, WHERE CARPET ARE CARPET LAY INLEUNELUM FLOORING, PROVIDE ADAPTER, ADAPTER TO BE TARKETT CAT 20 C. SUBMIT TRANSITIONS TO INTERIOR DESIGNER / ARCHITECT FOR APPROVAL. WHERE INLEUNELUM FLOORINGS ARE CERAMIC TILE FLOORING PROVIDE CERAMIC TILE TRANSITION TO BE APPROVED ALUMINUM.
6. FINISH FLOORINGS SHALL BE INSTALLED UNDER CASEWORK / CABINETS. CASEWORK SHALL BE INSTALLED OVER FINISH FLOORING.
7. ALL INLEUNELUM FLOORING SHALL BE INSTALLED WITH NET SEAMS BY A CERTIFIED



CODE REVIEW:

**CERTIFICATE:**



SPIEZE ARCHITECTURAL GROUP INC.  
1395 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08691  
PHONE: 609-695-7400

|                                  |              |
|----------------------------------|--------------|
| <b>SIGNATURE:</b>                |              |
| THOMAS S. PERRINO                | 21A011505400 |
| SCOTT E. DOWNE                   | 21A011614400 |
| STEVEN LEONE                     | 21A011170100 |
| STEVEN G. SIEGEL                 | 21A011564200 |
| ANGELO ALBERTO                   | 21A011040700 |
| JOHN F. WRIGHT                   | 21A011784200 |
| SPEZLE ARCHITECTURAL GROUP, INC. | 21AC00063000 |

SEAL



CONSULTANTS:

ISSUED FOR PERMIT -  
7/22/2022

PROJECT:

## SOM THIRD FLOOR RENOVATIONS

42 E. LAUREL ROAD #1718 STRATFORD,  
NJ 08084

ROWAN UNIVERSITY

201 MULLICA HILL ROAD, GLASSBORO,  
NEW JERSEY 08028

REVISIONS:

| # | REVISION NAME | DATE |
|---|---------------|------|
|---|---------------|------|

FOR BID: DD/MM/YYYY

DRAWING TITLE:

## FINISH PLAN

COMMISSION NUMBER:  
20U006

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DRAWING NUMBER:

## A9.1



DEMOLITION PLAN LEGEND

- INDICATES AREA OUTSIDE OF ARCHITECTURAL SCOPE
- DEMOLISH INDICATED PORTION OF PARTITION IN ITS ENTIRETY (SEE NOTES BELOW FOR MORE INFORMATION)
- EXISTING PARTITION TO REMAIN
- HEAVY DASHED LINE INDICATES ITEM TO BE DEMOLISHED IN ITS ENTIRETY
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED (SEE DEMOLITION NOTES BELOW FOR MORE INFORMATION)
- DEMOLITION KEYNOTE

GENERAL DEMOLITION NOTES

- DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO THE WORK INDICATED HEREWITH, AS COORDINATED WITH WORK OF ALL OTHER TRADES, AS INDICATED ELSEWHERE, AND AS REQUIRED TO ACCOMMODATE CONSTRUCTION. ALL DEMOLITION REQUIRED SHALL BE INCLUDED IN EACH CONTRACTOR'S BASE BID TO PERFORM AND COMPLETE CONSTRUCTION, UNLESS OTHERWISE INDICATED. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION AND DEMOLITION REQUIREMENTS.
- ALL ITEMS DESIGNATED AS 'SALVAGED' SHALL BE PROTECTED AND TURNED OVER TO THE OWNER.
- ITEMS TO BE RELOCATED OR REINSTALLED SHALL BE AS INDICATED. SPECIAL CARE SHALL BE TAKEN SO AS NOT TO DAMAGE THESE ITEMS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER. THE STORAGE OF ALL SALVAGED ITEMS DESIGNATED TO BE RELOCATED OR REINSTALLED.
- LOCATIONS AND/OR ELEVATIONS OF EXISTING ITEMS AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. RESPECTIVE TRADES SHALL FIELD VERIFY ALL LOCATIONS.
- CONTRACTORS SHALL VERIFY ALL CONDITIONS PRIOR TO COMMENCING DEMOLITION. SHOULD QUESTIONS OR DISCREPANCIES ARISE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING, PRIOR TO PROCEEDING WITH DEMOLITION.
- DRILL AND CORE FLOOR SLAB AS REQUIRED TO ACCOMMODATE NEW WORK. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- WHERE A WALL OR CEILING IS SCHEDULED TO BE DEMOLISHED, REMOVE ANY AND ALL EQUIPMENT AND / OR ACCESSORIES MOUNTED THERETO. COORDINATE WITH OWNER WHICH ITEMS SHALL BE SALVAGED.
- REMOVE ALL ROOM IDENTIFICATION SIGNAGE, SALVAGE AND RETURN TO OWNER.
- REFER TO THE WRITTEN SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.

DEMOLITION KEYNOTES

| Key Value | Keynote Text   |
|-----------|--|
| D7        | REMOVE EXISTING DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.  |
| D9        | REMOVE EXISTING STOREFRONT FRAMING AND GLAZING AS INDICATED.   |
| D10       | REMOVE PORTION OF EXISTING INTERIOR FRAMED WALL ASSEMBLY AS INDICATED.   |
| D12       | REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY INCLUDING LIGHTING FIXTURES. SAFE-OFF EXISTING CONDUITS WHERE SCHEDULED TO BE REUSED OTHERWISE TERMINATE CONDUIT AND WIRING BACK TO NEAREST PANEL.              |
| D21       | REMOVE EXISTING BUILT-IN CASEWORK/CABINETRY AND ASSOCIATED PLUMBING IN ITS ENTIRETY OR AS INDICATED ON DRAWINGS.   |
| D23       | REMOVE EXISTING PLUMBING FIXTURES AS INDICATED. CAP PIPING FOR RECONNECTION WHERE INDICATED. OTHERWISE REMOVE BACK TO NEAREST VALVE OR CAP BELOW FINISHED SURFACES. FILL IN FLOOR PENETRATIONS WHERE PIPING WAS REMOVED. |
| D24       | REMOVE EXISTING FLOOR FINISH AND BASE IN THEIR ENTIRETY DOWN TO SUBSTRATES.  |

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.  
1385 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08691  
PHONE: 609-695-7400

SIGNATURE:

THOMAS S. PERINO 2140105460  
SCOTT E. ZOWIE 2140105460  
STEVEN LEONE 2140110100  
STEVEN BEDEL 2140105460  
ANGELA ALBERTO 2140105460  
JOHN F. WISNET 2140110100  
SPIEZLE ARCHITECTURAL GROUP, INC. 2140105460

SEAL:



CONSULTANTS:

ISSUED FOR PERMIT -  
7/22/2022

PROJECT:

SOM THIRD FLOOR  
RENOVATIONS

42 E. LAUREL ROAD #1718 STRATFORD,  
NJ 08084

FOR

ROWAN UNIVERSITY

201 MULICA HILL ROAD, GLASSBORO,  
NEW JERSEY 08028

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|---|---------------|------|
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FOR BID:

DOMMYYYY

DRAWING TITLE:

DEMOLITION PLAN

COMMISSION NUMBER:

20U006

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D1.1

2 DEMOLITION PLAN - THIRD FLOOR

1/8" = 1'-0"





- NOTES:
- REFER TO DRAWING E0.1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
  - ALL WORK SHOWN SHALL BE DEMOLITION UNLESS NOTED OTHERWISE AS EXISTING (E) OR RELOCATED (REL).
  - ALL FIXTURES SHOWN TO BE DEMOLISHED SHALL HAVE ASSOCIATED WIRING REMOVED BACK TO SOURCE PANEL, UNLESS CONNECTED TO EXISTING-TO-REMAIN FIXTURES/EQUIPMENT (NOT ALL DEVICES ARE SHOWN). AS NEEDED, MAINTAIN CIRCUIT INTEGRITY BY RE-WIRING OR MAINTAINING EXISTING WIRING TO KEEP EXISTING LIGHTING ACTIVE.
  - CONTRACTOR SHALL IDENTIFY, CLEARLY TAG/MARK, RESUPPORT FROM BUILDING STRUCTURE, AND PROTECT THE FOLLOWING EXISTING WIRING DURING DEMOLITION AND NEW CONSTRUCTION IN THE RENOVATION AREAS:
    - ALL WIRING ASSOCIATED WITH EXISTING TO REMAIN MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR TO IDENTIFY ALL MECHANICAL EQUIPMENT TO REMAIN.
    - ALL FIRE ALARM WIRING AND EQUIPMENT NOT INDICATED TO BE REMOVED. FIRE ALARM DEVICES ON CEILING TO BE REMOVED SHALL BE TEMPORARILY DISCONNECTED, AND FIRE ALARM CABLING COILED AND SUPPORTED FROM STRUCTURE ABOVE. INTEGRITY AND CONTINUITY OF EXISTING NOTIFICATION AND DETECTION WIRING TO REMAIN OPERATIONAL DURING ENTIRE CONSTRUCTION. COORDINATE ALL FIRE ALARM WORK WITH OWNER ON DAILY BASIS.
    - ALL TELEPHONE AND DATA CABLING AND DEVICES SHOWN TO BE REMOVED SHALL BE REMOVED BACK TO SOURCE. ALL OTHER TELEPHONE AND DATA CABLING SHALL BE RESUPPORTED FROM STRUCTURE, AND PROTECTED DURING CONSTRUCTION.
    - ALL LOW-VOLTAGE AND POWER WIRING AND CABLES ASSOCIATED WITH EQUIPMENT IN OTHER AREAS AND OTHER FLOORS THAT IS TO REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION WITHOUT INTERRUPTION OF SERVICE, UNLESS SPECIFICALLY COORDINATED WITH OWNER MINIMUM 14-DAYS IN ADVANCE.
  - CONTRACTOR IS RESPONSIBLE TO REPLACE ANY WIRING NOTED ABOVE, THAT IS DAMAGED OR REMOVED BY THE CONTRACTOR.
  - CONTRACTOR IS RESPONSIBLE TO PATCH ALL HOLES OR OPENINGS IN (E) TO REMAIN WALLS AFTER DEMOLITION, INCLUDING ALL HOLES OR OPENINGS IN (E) TO REMAIN FIRE RATED WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED WALLS.

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SPEIZLE ARCHITECTURAL GROUP INC.  
1395 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08691  
PHONE: 609-695-7400

SIGNATURE:  
THOMAS L. PERINO 2140195460  
SCOTTE ZOWIE 2140191640  
STEVEN LEONE 2140119700  
STEVEN S. BIEGL 2140198400  
ANGEL ALBERTO 2140198100  
JANET WISNET 2140198400  
SPEIZLE ARCHITECTURAL GROUP, INC. 2140200000

CONSULTANTS:



SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Sheppard Pkwy. Suite 200 P: 215.886.8947  
Blue Bell, PA 19422 F: 215.886.8956  
SBA# JOB #2040A www.schillerher.com  
Certificate of Authorization: 24GA02814000  
SEAL:

RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

PROJECT:

SOM THIRD FLOOR  
RENOVATIONS

42 E. LAUREL ROAD #1718  
STRATFORD, NJ 08084

ROWAN UNIVERSITY

201 MULICA HILL ROAD  
GLASSBORO, NEW JERSEY 08028

FOR CODE REVIEW: 07/22/2022

REVISIONS:  
REVISION NAME DATE

FOR BID: 07/22/2022

DRAWING TITLE:

THIRD FLOOR  
LIGHTING PLAN-  
DEMOLITION WORK

COMMISSION NUMBER:

20U006

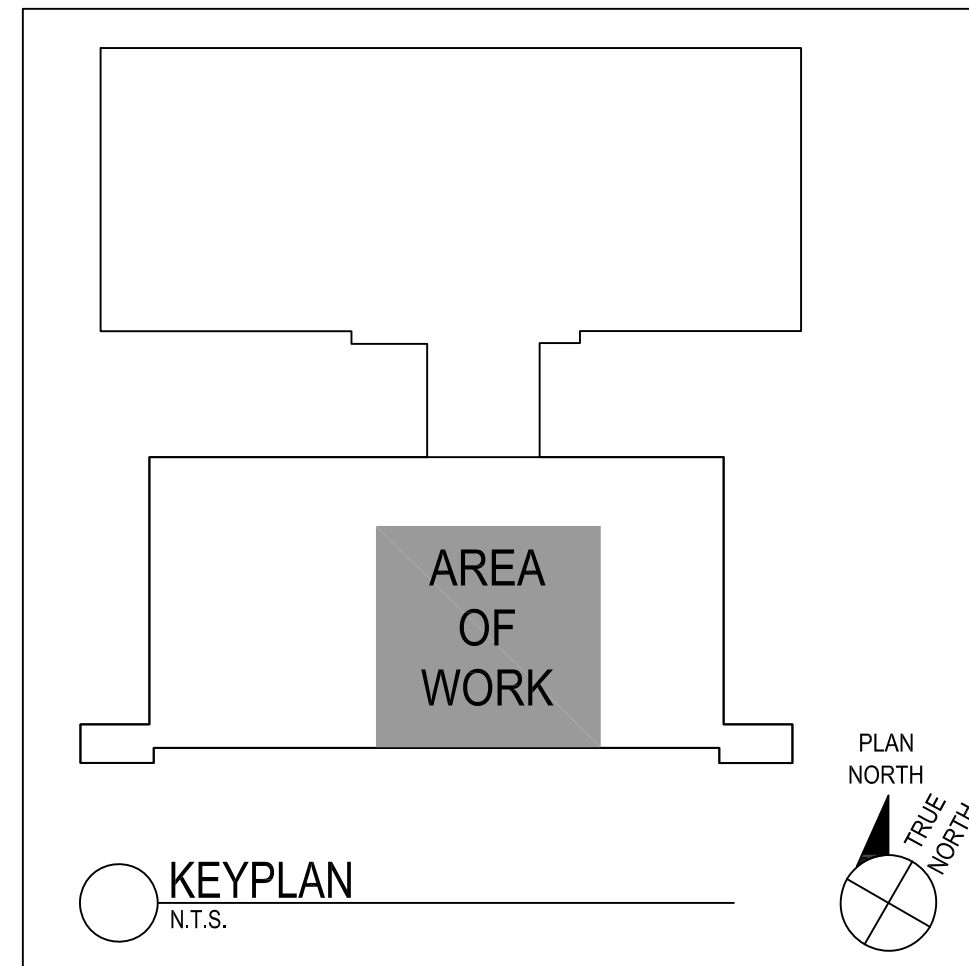
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DRAWING NUMBER:

DE1.1



1 THIRD FLOOR LIGHTING PLAN-DEMOLITION WORK  
SCALE: 1/8" = 1'-0"





NOTES:

- REFER TO DRAWING E0.1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- ALL WORK SHOWN SHALL BE DEMOLITION UNLESS NOTED OTHERWISE AS EXISTING (E) OR RELOCATED (REL).
- CONTRACTOR IS RESPONSIBLE TO COORDINATE WORK REQUIRING ACCESS TO THE 2ND FLOOR CEILING BELOW THE RENOVATION AREA. THE CONTRACTOR SHALL REMOVE AND REINSTALL ALL LIGHTING FIXTURES AND CEILING MOUNTED DEVICES, AS NECESSARY, ASSOCIATED WITH DEMOLITION AND NEW WORK ELECTRICAL AND PLUMBING PIPING IN THE 2ND FLOOR CEILING. REFER TO PLUMBING DEMOLITION AND NEW WORK DRAWING FOR AREAS IMPACTED. CORE DRILLING THROUGH THE FLOOR AND CONDUIT OR WIRING WORK IN THE 2ND FLOOR CEILING SHALL BE PERFORMED DURING 2ND AND 3RD SHIFTS AND WEEKENDS. ALL 2ND FLOOR CEILINGS ARE TO BE CLOSED AND CEILING EQUIPMENT OPERATIONAL AT THE START OF EACH BUSINESS DAY.
- ALL DEVICES SHOWN TO BE DEMOLISHED SHALL HAVE ASSOCIATED WIRING REMOVED BACK TO SOURCE PANEL, UNLESS CONNECTED TO EXISTING-TO-REMAIN DEVICES/EQUIPMENT (NOT ALL DEVICES ARE SHOWN). AS NEEDED, MAINTAIN CIRCUIT INTEGRITY BY RE-WIRING OR MAINTAINING EXISTING WIRING TO KEEP EXISTING DEVICE(S) ACTIVE.
- CONTRACTOR SHALL IDENTIFY, CLEARLY TAG/MARK, RESUPPORT FROM BUILDING STRUCTURE, AND PROTECT THE FOLLOWING EXISTING WIRING DURING DEMOLITION AND NEW CONSTRUCTION IN THE RENOVATION AREAS:
  - ALL WIRING ASSOCIATED WITH EXISTING TO REMAIN MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR TO IDENTIFY ALL MECHANICAL EQUIPMENT TO REMAIN.
  - ALL FIRE ALARM WIRING AND EQUIPMENT NOT INDICATED TO BE REMOVED. FIRE ALARM DEVICES ON CEILING TO BE REMOVED SHALL BE TEMPORARILY DISCONNECTED, AND FIRE ALARM CABLING COILED AND SUPPORTED FROM STRUCTURE ABOVE. INTEGRITY AND CONTINUITY OF EXISTING NOTIFICATION AND DETECTION WIRING TO REMAIN OPERATIONAL DURING ENTIRE CONSTRUCTION. COORDINATE ALL FIRE ALARM WORK WITH OWNER ON DAILY BASIS.
  - ALL TELEPHONE AND DATA CABLING AND DEVICES SHOWN TO BE REMOVED SHALL BE REMOVED BACK TO SOURCE. ALL OTHER TELEPHONE AND DATA CABLING SHALL BE RESUPPORTED FROM STRUCTURE, AND PROTECTED DURING CONSTRUCTION.
  - ALL LOW-VOLTAGE AND POWER WIRING AND CABLES ASSOCIATED WITH EQUIPMENT IN OTHER AREAS AND OTHER FLOORS THAT IS TO REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION WITHOUT INTERRUPTION OF SERVICE, UNLESS SPECIFICALLY COORDINATED WITH OWNER MINIMUM 14-DAYS IN ADVANCE.
- CONTRACTOR IS RESPONSIBLE TO REPLACE ANY WIRING NOTED ABOVE, THAT IS DAMAGED OR REMOVED BY THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE TO PATCH ALL HOLES OR OPENINGS IN (E) TO REMAIN WALLS AFTER DEMOLITION, INCLUDING ALL HOLES OR OPENINGS IN (E) TO REMAIN FIRE RATED WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED WALLS.

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CERTIFICATE:



SPIEZZE ARCHITECTURAL GROUP INC.  
1395 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08691  
PHONE: 609-695-7400

SIGNATURE:  
THOMAS L. PERINO 2140195460  
SCOTTE ZOWIE 2140191440  
STEVEN L. BIEGL 2140117100  
ANGELA ALBERTO 2140195460  
JAMES WRIGHT 2140191440  
SPIEZZE ARCHITECTURAL GROUP, INC. 2140200000

CONSULTANTS:



SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Sheppard Pkwy, Suite 200 P 215.886.8947  
Blue Bell, PA 19422 F 215.886.8956  
SBA# JOB #2040A www.schillerherh.com  
Certificate of Authorization: 24GA02814500  
SEAL:

RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

PROJECT:

SOM THIRD FLOOR  
RENOVATIONS

42 E. LAUREL ROAD #1718  
STRATFORD, NJ 08084

ROWAN UNIVERSITY

201 MULICA HILL ROAD  
GLASSBORO, NEW JERSEY 08028

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| 1          |               |      |

FOR BID: 07/22/2022

DRAWING TITLE:

THIRD FLOOR  
POWER/FIRE/COMM PLAN-  
DEMOLITION WORK

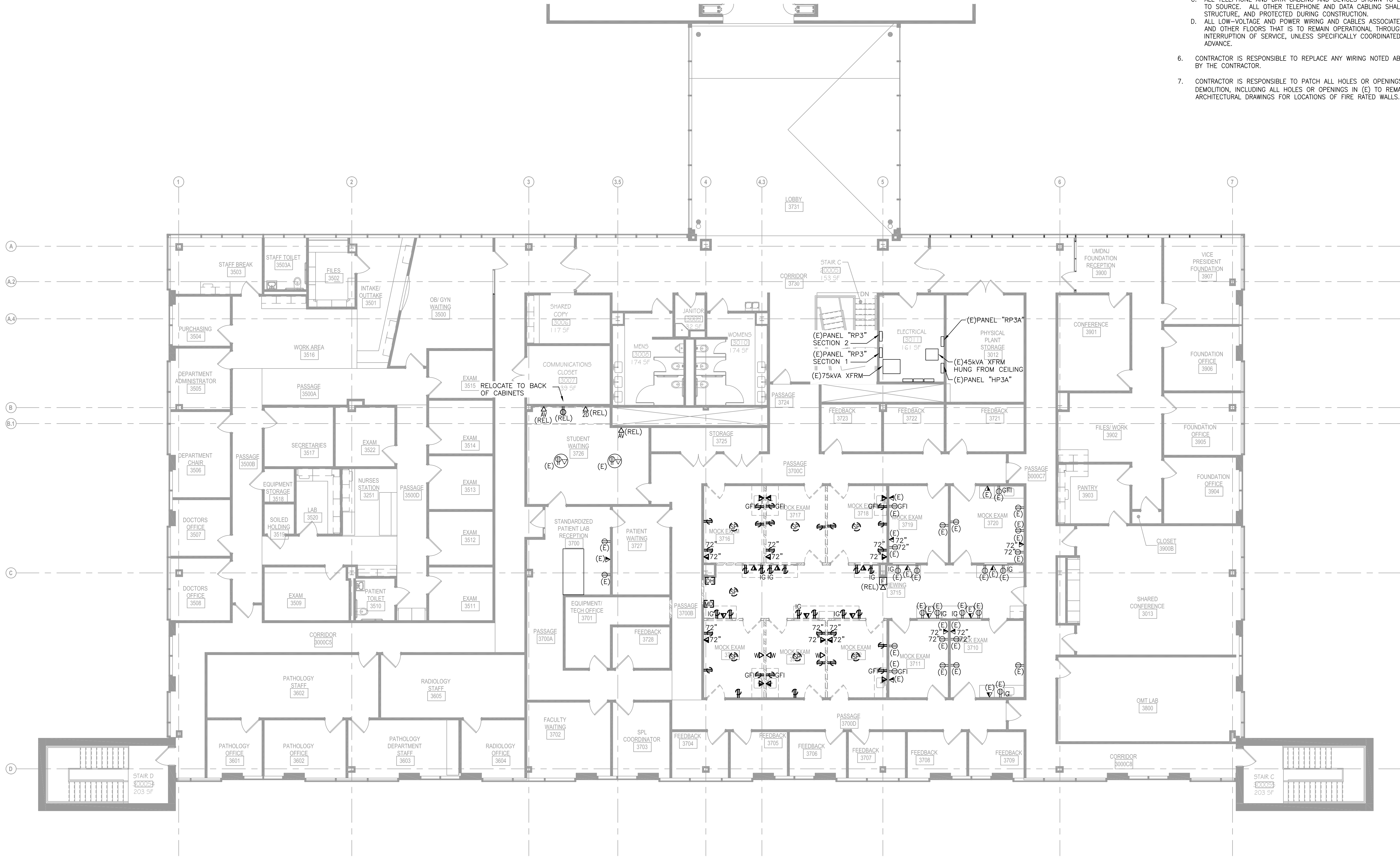
COMMISSION NUMBER:

20U006

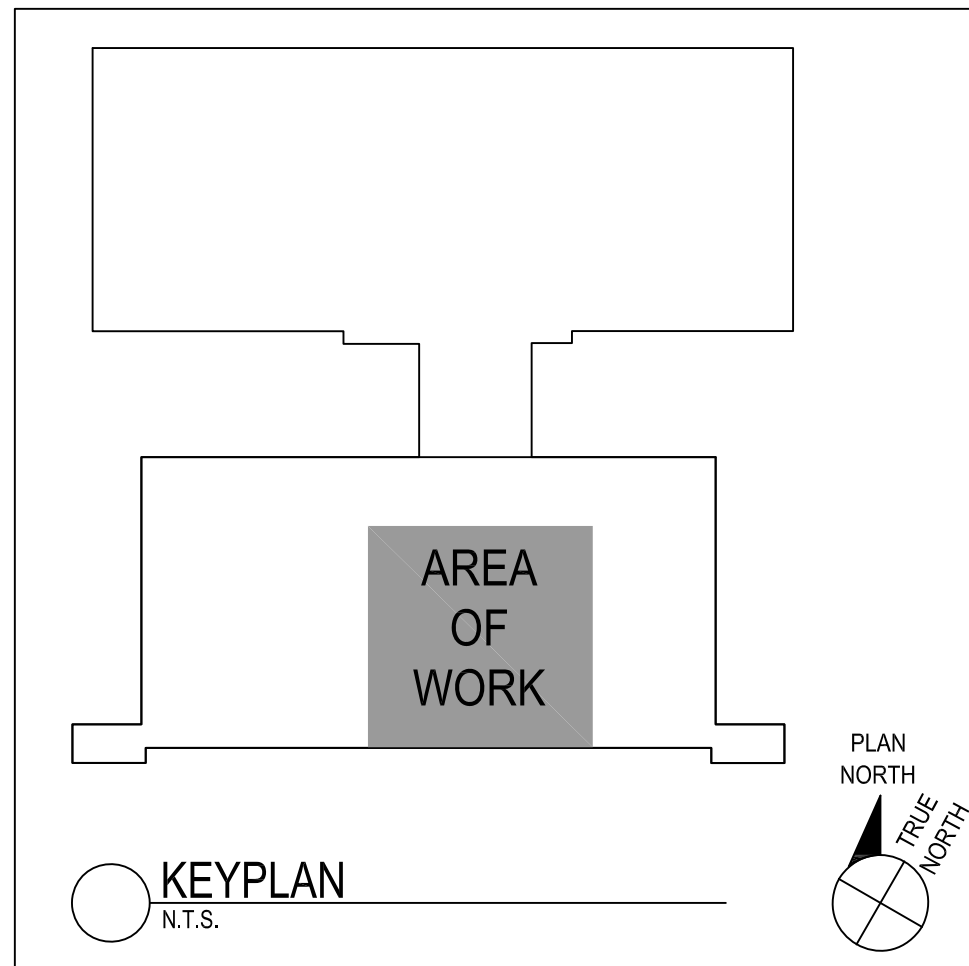
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

DE2.1



1 THIRD FLOOR POWER/FIRE/COMM PLAN-DEMOLITION WORK  
SCALE: 1/8" = 1'-0"





NOTES:  
1. REFER TO DRAWING M0.1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.  
1385 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08611  
PHONE: 609-695-7400

SIGNATURE:  
THOMAS L. PERINO 21A0105460  
SCOTTE COINE 21A0101440  
STEVEN L. BIEL 21A0101700  
JOANNE WISNAT 21A0106400  
ANGELO ALBERTO 21A0106100  
SPIEZLE ARCHITECTURAL GROUP, INC. 21A0106400  
21A0200000

CONSULTANTS:



SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Sheppard Pkwy. Suite 200 P: 215.886.8947  
Blue Bell, PA 19422 F: 215.886.8956  
SBN Job #2040A www.schillerherh.com  
Certificate of Authorization: 24GA02014000  
SEAL:

RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

PROJECT:

SOM THIRD FLOOR  
RENOVATIONS

42 E. LAUREL ROAD #1718  
STRATFORD, NJ 08084

ROWAN UNIVERSITY

201 MULICA HILL ROAD  
GLASSBORO, NEW JERSEY 08028

FOR CODE REVIEW: 07/22/2022

REVISIONS:  
REVISION NAME DATE

FOR BID: 07/22/2022

DRAWING TITLE:

THIRD FLOOR  
DEMOLITION WORK  
MECHANICAL  
FLOOR PLAN

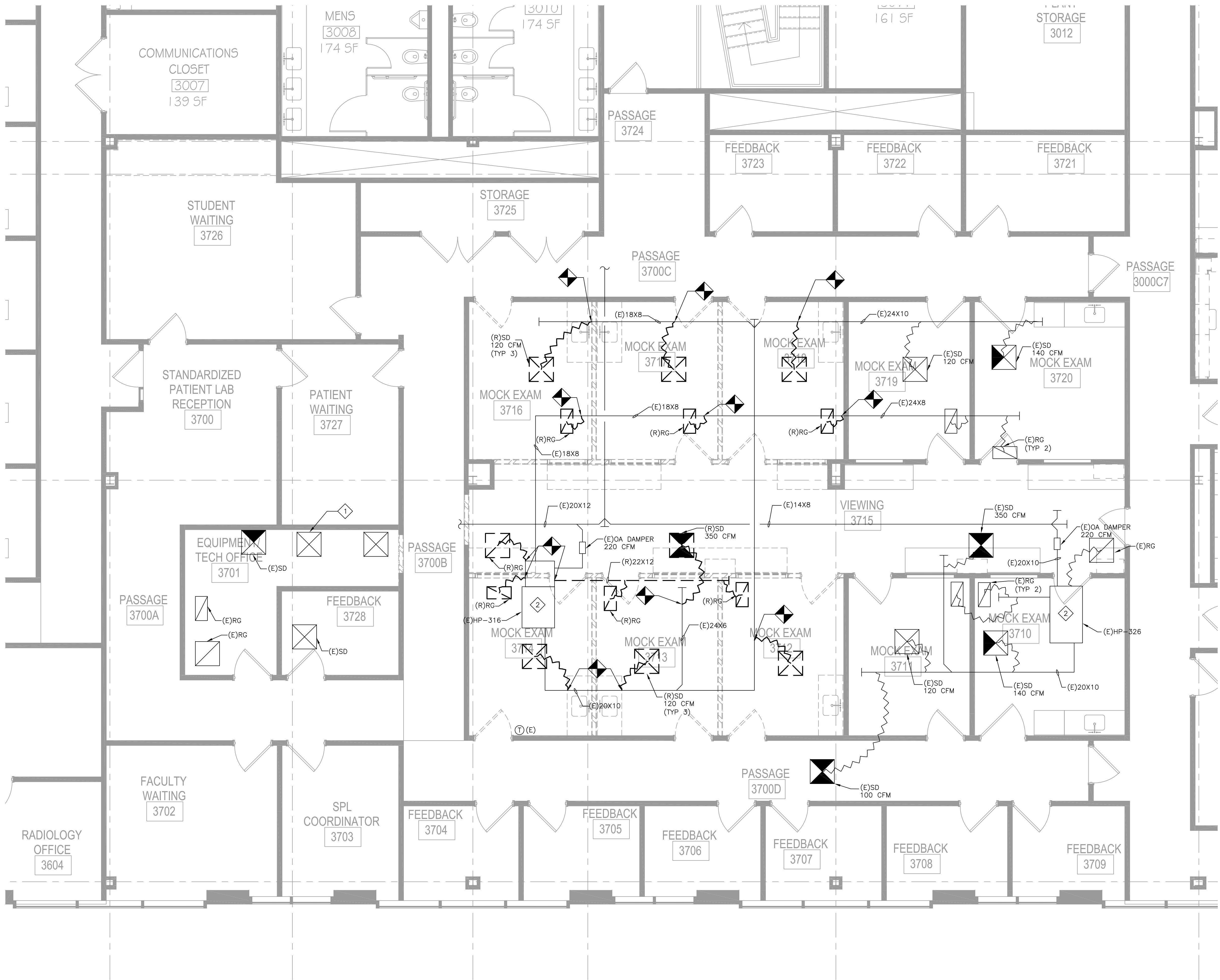
COMMISSION NUMBER:

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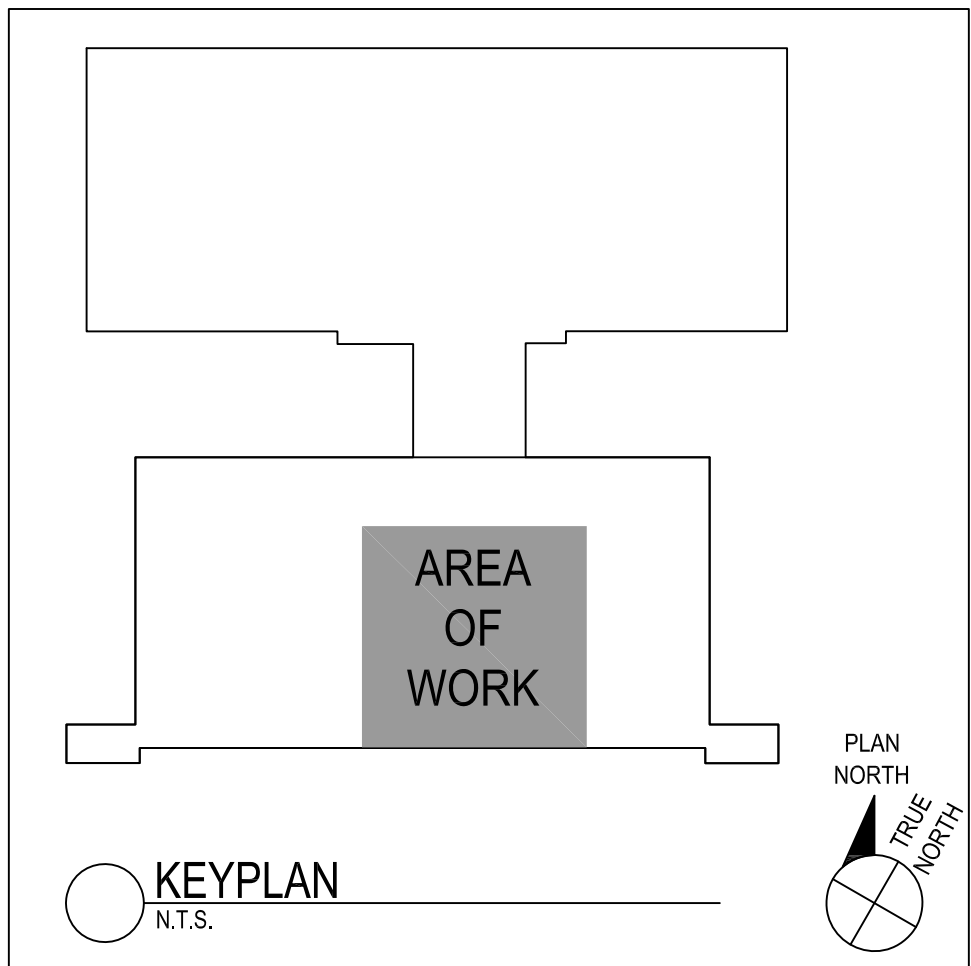
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

DM1.1

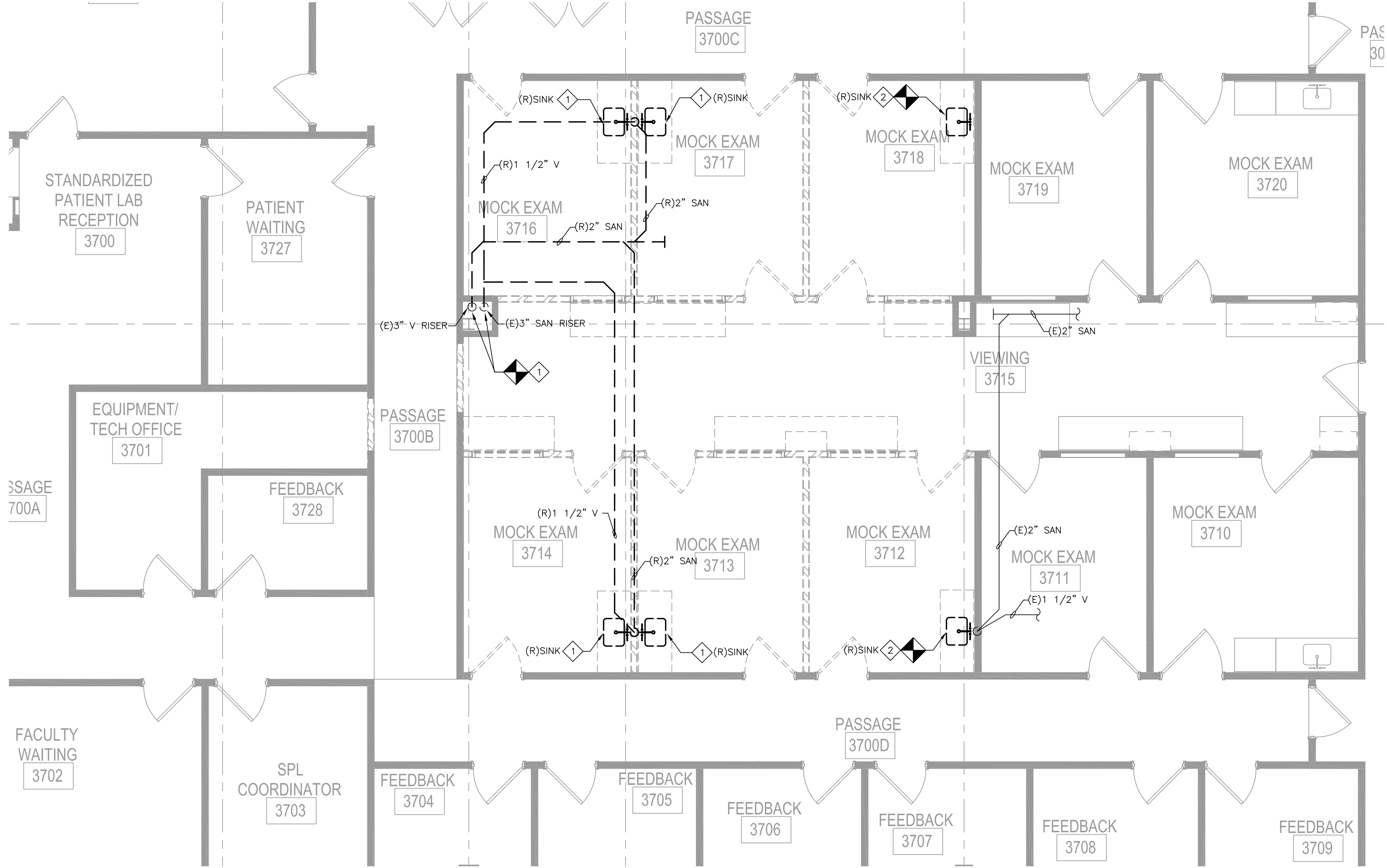


1 THIRD FLOOR MECHANICAL PLAN-DEMOLITION WORK  
SCALE: 1/4" = 1'-0"

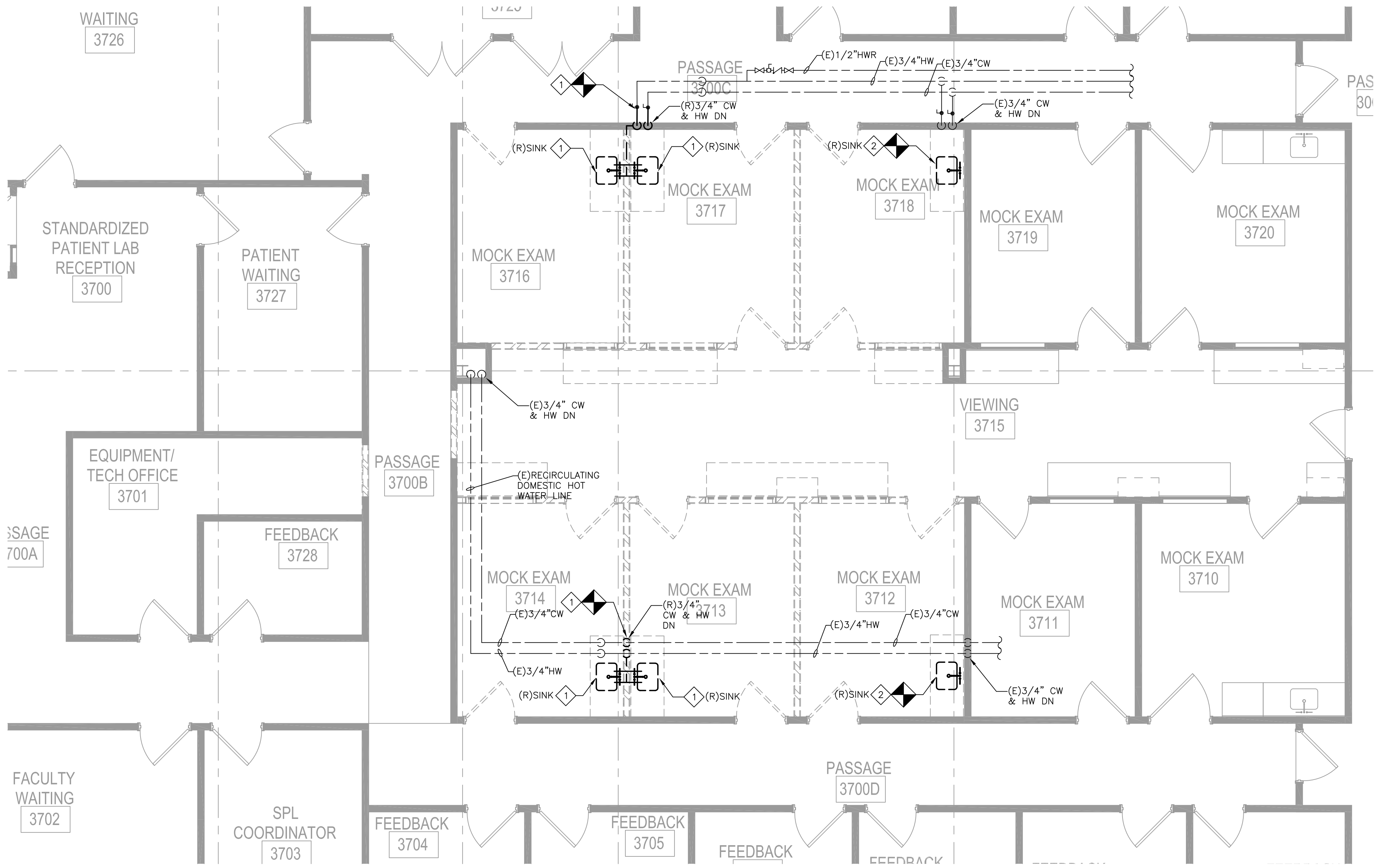


THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"





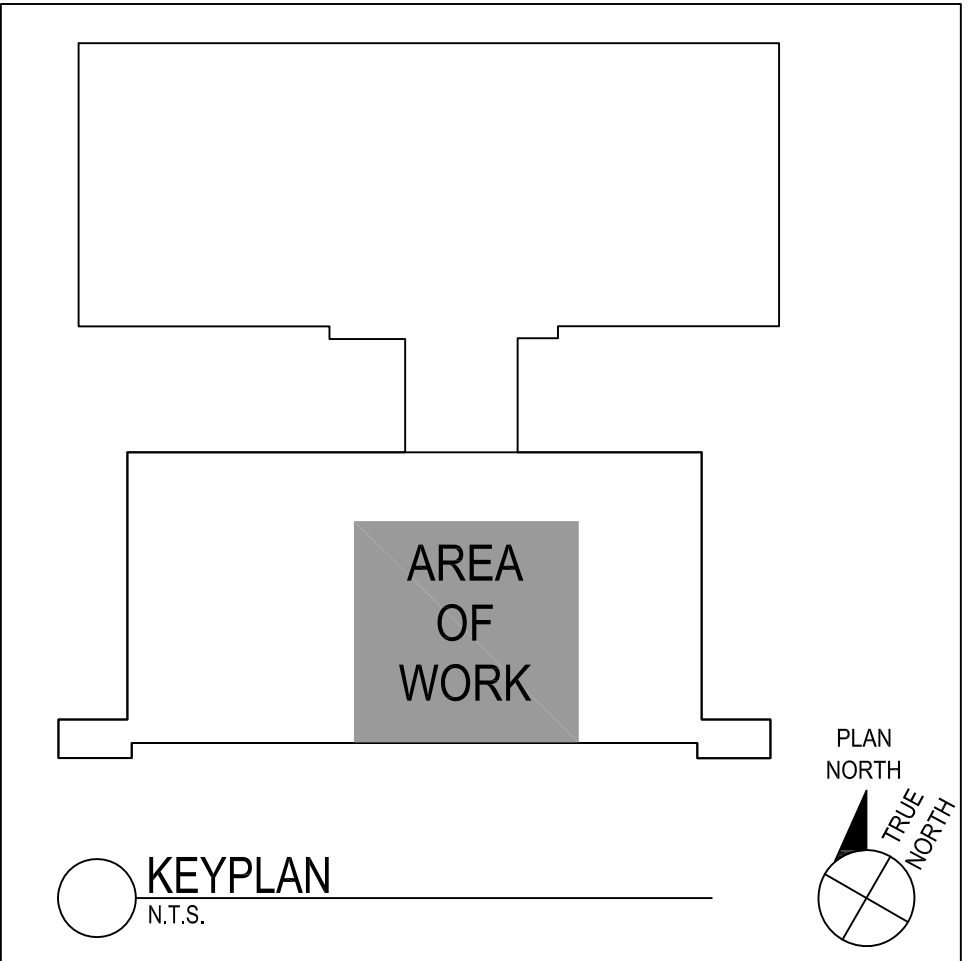
1 THIRD FLOOR PLUMBING SANITARY DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"



2 THIRD FLOOR PLUMBING DOMESTIC WATER DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"

- NOTES:
1. REFER TO DRAWING P0.1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
  2. ALL WORK SHOWN SHALL BE DEMOLITION UNLESS NOTED OTHERWISE AS EXISTING (E) OR RELOCATED (REL).
  3. CONTRACTOR IS RESPONSIBLE TO COORDINATE WORK REQUIRING ACCESS OF THE 2ND FLOOR CEILING BELOW THE RENOVATION AREA. THE CONTRACTOR SHALL REMOVE AND REINSTALL CEILING TILES, AS NECESSARY, FOR THE DEMOLITION AND NEW WORK OF PLUMBING PIPING IN THE 2ND FLOOR CEILING. CORE DRILLING THROUGH THE FLOOR AND PIPING WORK IN THE 2ND FLOOR CEILING SHALL BE PERFORMED DURING 2ND AND 3RD SHIFTS AND WEEKENDS. ALL 2ND FLOOR CEILINGS ARE TO BE CLOSED AND SPACES CLEAN AT THE START OF EACH BUSINESS DAY.
  4. CONTRACTOR IS RESPONSIBLE TO PATCH ALL HOLES OR OPENINGS IN (E) TO REMAIN WALLS AFTER DEMOLITION.
  5. CONTRACTOR IS RESPONSIBLE TO PATCH ALL HOLES OR OPENINGS IN (E) TO REMAIN FIRE RATED WALLS AFTER DEMOLITION, ABOVE AND BELOW CEILING, TO MAINTAIN INTEGRITY OF THE FIRE RATED WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED WALLS.

- DEMOLITION KEY NOTES:
- 1 REMOVE SINK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO, FAUCET, VALVES, SPECIALTIES, HOT AND COLD DOMESTIC WATER PIPING UP THRU WALL TO MAINS ABOVE CEILING AS INDICATED AND CAP, SANITARY AND VENT PIPING UP TO STACKS AS INDICATED AND CAP.
  - 2 REMOVE SINK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO, FAUCET, VALVES AND SPECIALTIES, DOMESTIC COLD AND HOT WATER PIPING AND SANITARY DRAIN TO BE REMOVED INTO WALL AND CAPPED.



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SUITE 2A  
HAMILTON, NJ 08611  
PHONE: 609-695-7400

SIGNATURE:  
THOMAS L. PERINO 2140105460  
SCOTTE COONE 2140101640  
STEVEN L. BIEGL 2140101700  
ANGELA ALBERTO 2140106820  
JANE WISNET 2140106100  
SPIEZLE ARCHITECTURAL GROUP, INC. 2140200000

CONSULTANTS:



SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Shepack Pkwy, Suite 200 P: 215.886.8947  
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FOR CODE REVIEW: 07/22/2022

REVISIONS:  
A REVISION NAME DATE

FOR BID: 07/22/2022

DRAWING TITLE:

THIRD FLOOR  
DEMOLITION  
PLUMBING  
FLOOR PLANS

COMMISSION NUMBER:

20U006

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

DP1.1



|     | S Y M B O L | L E G E N D   |
|-----|-------------|---|
|     |             | LIGHTING CIRCUITING INFORMATION. IN THIS EXAMPLE, FIXTURE SHALL BE CONTROLLED BY CONTROL LEG "e". ALL FIXTURES SHALL BE WIRED WITH 2#16AWG WIRING FOR 0-10V DIMMING WITH BRANCH CIRCUIT CONDUCTORS, OR USE OF METAL-CLAD LUMINAIRE CABLE MAY BE USED.   |
|     |             | LUMINAIRE PROVIDING NORMAL/EMERGENCY ILLUMINATION, WIRED TO EMERGENCY GENERATOR BACKED POWER. PROVIDE CONTROLS WITH UL 924 RELAY.   |
| 16' |             | SIX BUTTON DIGITAL DIMMER SWITCH, CONTROLLING SWITCH LEG "g" WITH ON/OFF/AV1/AV2/RAISE/LOWER FUNCTIONS. PROVIDE WITH ASSOCIATED DIGITAL ROOM CONTROLLER(S), QUANTITY AS NECESSARY.  |
| 8'  |             | FOUR BUTTON DIGITAL DIMMER SWITCH, CONTROLLING SWITCH LEG "g" WITH ON/OFF/RAISE/LOWER FUNCTIONS. PROVIDE WITH ASSOCIATED DIGITAL ROOM CONTROLLER(S), QUANTITY AS NECESSARY.   |
| 0'  |             | TWO BUTTON DIGITAL DIMMER SWITCH, CONTROLLING SWITCH LEG "g" WITH ON/OFF FUNCTIONS. PROVIDE WITH ASSOCIATED DIGITAL ROOM CONTROLLER(S), QUANTITY AS NECESSARY.  |
| 2'  |             | WALL MOUNTED SWITCH TYPE OCCUPANCY SENSOR WITH INTEGRAL 0-10V RAISE/LOWER DIMMING CONTROL, CONTROLLING SWITCH LEG "o", EQUAL TO LEVITON #OSD10-IOW.   |
|     |             | WALL MOUNTED SWITCH TYPE OCCUPANCY SENSOR, CONTROLLING SWITCH LEG "o", WITH ON/OFF CONTROL. EQUAL TO LEVITON #DOS02-LW.   |
| 1'  |             | EXIT SIGNS (CONTRACTOR TO COORDINATE # OF FACES AND THE FINAL MOUNTING REQUIREMENTS).   |
| 16' |             | CEILING MOUNTED VACANCY/OCCUPANCY SENSOR AND ASSOCIATED DIGITAL ROOM CONTROLLER. IN THIS EXAMPLE, SENSOR SHALL CONTROL FIXTURES ON CONTROL LEG "a", "b" AND "c".  |
| 8'  |             | EXISTING ELECTRICAL PANEL   |
| 0'  |             | DD1:12 ELECTRICAL CIRCUITING INFORMATION. IN THIS EXAMPLE, EC SHALL WIRE DEVICE TO CIRCUIT #12 IN PANEL "DD1".  |
| 2'  |             | STANDARD 20A DUPLEX HOSPITAL GRADE RECEPTACLE WALL MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED. RECEPTACLE TO BE INSTALLED IN NEW OR EXISTING DRYWALL SHALL HAVE RECESSED DOUBLE GANG BACKBOX WITH SINGLE GANG FACEPLATE MC-CABLE CONCEALED/FISHED IN DRYWALL.   |
|     |             | STANDARD 20A QUAD HOSPITAL GRADE RECEPTACLE WALL MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED. RECEPTACLE TO BE INSTALLED IN NEW OR EXISTING DRYWALL SHALL HAVE RECESSED DOUBLE GANG BACKBOX WITH MC-CABLE CONCEALED/FISHED IN DRYWALL.   |
| 3'  |             | DUPLEX RECEPTACLE FOR WALL MOUNTED TELEVISION/MONITOR. RECEPTACLE TO BE MOUNTED IN ARLINGTON BOX, AS NOTED IN "AUDIO/VISUAL CONNECTION LOCATION FOR TELEVISION'S A/V INTERFACE" SYMBOL BELOW. COORDINATE FINAL MOUNTING HEIGHT IN FIELD WITH ARCHITECT IN FIELD. REFER TO STANDARD DUPLEX RECEPTACLE DESCRIPTION FOR ADDITIONAL REQUIREMENTS.   |
| 2'  |             | DUPLEX RECEPTACLE WITH (2) USB PORTS (TYPE A & C). COORDINATE FINAL MOUNTING HEIGHT IN FIELD. REFER TO STANDARD DUPLEX RECEPTACLE DESCRIPTION FOR ADDITIONAL REQUIREMENTS.  |
|     |             | CEILING MOUNTED JUNCTION BOX  |
|     |             | WALL MOUNTED JUNCTION BOX   |
|     |             | WIRING & CONDUIT CONCEALED ABOVE HUNG CEILING   |
| 16' |             | FIRE ALARM HORN AND STROBE (WALL MOUNT AT MIN 80" AFF OR MAX 96"AFF TO BOTTOM OF DEVICE)  |
| 8'  |             | FIRE ALARM STROBE (WALL MOUNT AT MIN 80" AFF OR MAX 96"AFF TO BOTTOM OF DEVICE)   |
| 0'  |             | FIRE ALARM MANUAL PULL STATION. (WALL MOUNT AT 48" AFF TO TOP OF DEVICE).   |
| 3'  |             | FIRE ALARM SMOKE DETECTOR   |
| 2'  |             | DATA LOCATION WITH (1) DATA JACK. CONTRACTOR SHALL INSTALL SINGLE GANG BACKBOX WITH 1" CONDUIT TO ABOVE CEILING. COORDINATE ROUTING OF CONDUIT WITHIN WALL WITH WINDOWS ABOVE AND OTHER ARCHITECTURAL DETAILS. MOUNT BACKBOX AT 18" AFF UNLESS OTHERWISE NOTED. CABLE, FACEPLATE, AND JACKS BY UNIVERSITY'S STRUCTURED CABLING VENDOR.  |
|     |             | DATA LOCATION WITH (2) DATA JACKS. CONTRACTOR SHALL INSTALL DOUBLE GANG BACKBOX WITH SINGLE GANG FACEPLATE, WITH 1" CONDUIT TO ABOVE CEILING. COORDINATE ROUTING OF CONDUIT WITHIN WALL WITH WINDOWS ABOVE AND OTHER ARCHITECTURAL DETAILS. MOUNT BACKBOX AT 18" AFF UNLESS OTHERWISE NOTED. (2) DATA CABLES, FACEPLATE, AND JACKS BY UNIVERSITY'S STRUCTURED CABLING VENDOR.   |
| 16' |             | DATA LOCATION WITH (X) DATA JACKS. CONTRACTOR SHALL INSTALL SINGLE GANG BACKBOX WITH 1" CONDUIT TO ABOVE CEILING. COORDINATE ROUTING OF CONDUIT WITHIN WALL WITH WINDOWS ABOVE AND OTHER ARCHITECTURAL DETAILS. MOUNT BACKBOX AT 18" AFF UNLESS OTHERWISE NOTED. (X) DATA CABLES, FACEPLATE, AND JACKS BY UNIVERSITY'S STRUCTURED CABLING VENDOR.   |
| 0'  |             | AUDIO/VISUAL LOCATION. CONTRACTOR SHALL INSTALL DOUBLE GANG DEEP BACKBOX WITH SINGLE GANG MUD RING WITH 1-1/4" CONDUIT TO "TV2" BACKBOX LOCATED BEHIND TV MONITOR. MOUNT BACKBOX AT 18" AFF UNLESS OTHERWISE NOTED. INSTALL FEMALE HDMI FACEPLATE WITH HIGH-SPEED HDMI CABLE IN WALL TO "TV2" LOCATION ABOVE, BEHIND TV DISPLAY.  |
| 16' |             | DATA CONNECTION AND HDMI LOCATION FOR WALL TV MONITOR. CONTRACTOR SHALL INSTALL DOUBLE GANG BACKBOX WITH 1-1/4" CONDUIT TO ABOVE CEILING AND DOWN TO "TV1" LOCATION BELOW. COORDINATE FINAL MOUNTING HEIGHT IN FIELD WITH ARCHITECT. PROVIDE SINGLE GANG FACEPLATE WITH CABLE PASS-THROUGH GROMMET FOR (1) HDMI CABLE FROM "TV1" AND (1) DATA CABLE BY OTHERS.  |
| 4'  |             | WALL TELEPHONE LOCATION. CONTRACTOR SHALL INSTALL SINGLE GANG BACKBOX, MOUNTED AT 44"AFF, WITH 1" CONDUIT TO ABOVE CEILING. (1) DATA CABLE, JACK, FACEPLATE, AND EQUIPMENT FURNISHED AND SUPPLIED BY UNIVERSITY VENDOR.   |
| 2'  |             | 6" FIRE-RATED POKE-THROUGH FLOOR BOX, WITH (2) DUPLEX 20A RECEPTACLES, EQUAL TO LEGRAND #6ATC2PXX AND COVER #6CT2XX, COORDINATE CENTER COMPARTMENT DEVICE MOUNTING PLATE WITH UNIVERSITY'S TELE/DATA VENDOR. COVER FINISH TO BE SELECTED BY ARCHITECT. COORDINATE FINAL REQUIREMENTS FOR CONNECTION TO ROOM TABLES WITH OWNER IN FIELD. DATA CABLES, JACKS, FACEPLATE, AND EQUIPMENT FURNISHED AND SUPPLIED BY UNIVERSITY VENDOR. |
|     |             | WIRELESS ACCESS POINT LOCATION. (2) DATA CABLES WITH MAXIMUM 10' SERVICE LOOPS, JACKS, MOUNTING, AND EQUIPMENT FURNISHED AND SUPPLIED BY UNIVERSITY VENDOR.   |
| 1'  |             | CARBON MONOXIDE DETECTOR WITH SOUNDER BASE AND MONITOR MODULE WIRED TO FIRE ALARM PANEL. CO DETECTION TO ACTIVATE SOUNDER BASE AND INITIATE SUPERVISORY SIGNAL AT PANEL.  |
| 0'  |             | MOTION DETECTOR (DEMOLITION ONLY).  |
| 12' |             | ELECTROMAGNETIC DOOR HOLD OPEN (DEMOLITION ONLY).   |
| 8'  |             | CEILING MOUNTED SPEAKER (DEMOLITION ONLY)   |

| ABBREVIATIONS |                                    |
|---------------|------------------------------------|
| 1P            | ONE POLE                           |
| 2P            | TWO POLE                           |
| 3P            | THREE POLE                         |
| Ø             | PHASE                              |
| A             | AMPERE                             |
| AF            | AMP FRAME                          |
| AFF           | ABOVE FINISHED FLOOR               |
| AIC           | AMPERE INTERRUPTING CAPACITY       |
| A/V           | AUDIO/VISUAL                       |
| C             | CONDUIT                            |
| CAE           | MANUFACTURERS HEALTHCARE EQUIPMENT |
| C/B           | CIRCUIT BREAKER                    |
| CKT           | CIRCUIT                            |
| (E)           | EXISTING                           |
| EC            | ELECTRICAL CONTRACTOR              |
| F/A           | FIRE ALARM                         |
| FLA           | FULL LOAD AMPS                     |
| FOV           | FIELD OF VIEW                      |
| GC            | GENERAL CONTRACTOR                 |
| GFI           | GROUND FAULT INTERRUPTER           |
| GND           | GROUND                             |
| IG            | ISOLATED GROUND                    |
| kVA           | KILOVOLT AMPERE                    |
| KW            | KILOWATT                           |
| MC            | MECHANICAL CONTRACTOR              |
| MCA           | MINIMUM CIRCUIT AMPACITY           |
| MCB           | MAIN CIRCUIT BREAKER               |
| MLO           | MAIN LUGS ONLY                     |
| PA            | PUBLIC ADDRESS                     |
| (REL)         | RELOCATE                           |
| TRANSF.       | TRANSFORMER                        |
| TYP           | TYPICAL                            |
| V             | VOLT                               |
| W             | WATT                               |
| WP            | WEATHER PROOF                      |

| LIST OF DRAWINGS |  |
|------------------|--|
| E0.1             | ELECTRICAL COVER SHEET                           |
| DE1.1            | THIRD FLOOR LIGHTING PLAN-DEMOLITION WORK        |
| DE2.1            | THIRD FLOOR POWER/FIRE/COMM PLAN-DEMOLITION WORK |
| E1.1             | THIRD FLOOR LIGHTING PLAN-NEW WORK               |
| E2.1             | THIRD FLOOR POWER/FIRE/COMM PLAN-NEW WORK        |

GENERAL NOTES

1.

ALL DEVICE LOCATIONS SUCH AS RECEPTACLE, DATA JACK, TV JACK, AND FLOOR OUTLETS, ETC., ARE APPROXIMATE. FINAL LOCATIONS AND MOUNTING HEIGHTS SHALL BE FIELD LOCATED BY THE ARCHITECT. THE CONTRACTOR SHALL INSTALL ALL DEVICES AT LOCATIONS AS DIRECTED BY THE ARCHITECT WITHOUT ADDITIONAL COMPENSATION.

2.

ALL BRANCH WIRING SHALL BE MINIMUM 3/4"C-2#12+1#12GND. OR HCF-MC CABLE.

3.

ALL LIGHTING WIRING FOR LED DIMMABLE LIGHTING BRANCH CIRCUITS SHALL BE COORDINATED IN THE FIELD WITH MECHANICAL, FIRE PROTECTION AND PLUMBING CONTRACTORS. ALL LUMINARY CABLE WHERE ALLOWABLE IN THE SPECIFICATION.

4.

EXACT LOCATIONS OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN THE FIELD WITH MECHANICAL, FIRE PROTECTION AND PLUMBING CONTRACTORS. ALL CLEARANCES AS REQUIRED BY ARTICLE 110 OF THE NEC SHALL BE MAINTAINED.

5.

RECEPTACLES, DATA JACKS AND OTHER FLUSH MOUNTED DEVICES MOUNTED ON OPPOSITE SIDE OF SAME WALL MUST BE STAGGERED IN SEPARATE JOISTS FOR ACOUSTICS. USE OF BACK TO BACK BOXES IS NOT ACCEPTABLE.

6.

DEVICES LOCATED IN FIRE RATED WALLS THAT ARE GREATER THAN 16 SQ/IN SHALL BE PROVIDED WITH SPECSAL SSP PUTTY PADS OR EQUAL ON EACH BACKBOX.

7.

COORDINATE SPEAKER, OCCUPANCY SENSOR, AND FIRE ALARM DEVICE LOCATIONS WITH LIGHTING FIXTURES, SPRINKLERS, AIR DIFFUSERS, AND OTHER CEILING MOUNTED EQUIPMENT. COORDINATE WITH THE REFLECTED CEILING PLAN.

8.

ALL EQUIPMENT ON FIRE ALARM DRAWINGS ARE APPROXIMATE, FINAL LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECT. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT SHOWN, AT LOCATIONS AS DIRECTED BY THE ARCHITECT WITHOUT ADDITIONAL COMPENSATION.

9.

FOLLOW DIMENSIONS, WHERE INDICATED ON DRAWINGS, DO NOT SCALE DRAWINGS.

10.

ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES AND STANDARDS.

11.

FUSES SHALL BE DUAL ELEMENT, TIME DELAY TYPE UNLESS OTHERWISE NOTED. COORDINATE FUSE SIZES WITH THE MOTORS FURNISHED UNDER THE MECHANICAL AND GENERAL CONTRACTS.

12.

ALL CONDUCTORS SHALL BE COPPER.

13.

FIRE STOPPING: WHERE CONDUITS PENETRATE FIRE AND SMOKE BARRIERS INCLUDING WALLS, PARTITIONS, FLOORS, AND CEILINGS, INSTALL FIRE-STOPPING AT PENETRATIONS AFTER CABLES ARE INSTALLED.

14.

MATERIALS FOR FIRE STOPPING SHALL BE UL LISTED AND LABELED AND FM APPROVED FOR FIRE RATINGS CONSISTENT WITH PENETRATED BARRIERS. SLEEVES SHALL BE SCHEDULE 40, WELDED, BLACK STEEL PIPE SLEEVES. SIZES AS REQUIRED FOR EQUIVALENT AREA AS THE WIREWAYS. SEALING FITTINGS SHALL BE SUITABLE FOR SEALING CABLES IN SLEEVES OR CORE DRILLED HOLES. TWO-PART SEALANT: FORMED-IN-PLACE SEALANT FIRE-RESISTANT JOINT SEALERS.

15.

UNLESS OTHERWISE NOTED ALL INDOOR ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH, AND HOUSED IN, A NEMA 1 ENCLOSURE. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN NEMA 3R ENCLOSURE.

16.

COMMON NEUTRALS ARE NOT ACCEPTABLE.

17.

ELECTRICAL CONTRACTOR SHALL EXAMINE THE DRAWINGS OF ALL TRADES AND COORDINATE THEIR WORK TO AVOID INTERFERENCE WITH STRUCTURE, AND ALL EQUIPMENT ABOVE AND BELOW THE CEILING.

18.

THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK.

19.

WIRE FLOW AND TAMPER SWITCHES FOR THE FIRE PROTECTION SYSTEM TO THE FIRE ALARM SYSTEM. FINAL QUANTITY OF FLOW AND TAMPER SWITCHES SHALL BE COORDINATED WITH THE FIRE PROTECTION CONTRACTOR AND FIRE SERVICE RISER DIAGRAM.

20.

WIRE ALL FIRE ALARM AUXILIARY PANELS TO A 1P-20A C/B AS INDICATED ON THE PANEL SCHEDULES. INSTALL BREAKER LOCK ON FIRE ALARM CIRCUIT BREAKER.

21.

PROVIDE MATCHING CORD AND PLUGS FOR ALL RECEPTACLES OTHER THAN STANDARD 20A DUPLEX RECEPTACLES.

22.

THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE MOUNTINGS AND NUMBER OF FACES FOR THE EXIT SIGNS. THE LIGHTING FIXTURE SHOP DRAWING SUBMISSION SHALL REFLECT THIS COORDINATION.

23.

CONTRACTOR MUST COORDINATE ROOMS NAMES ON THE PANEL SCHEDULES WITH THE FINAL ROOM NAMES, IN THE FIELD. ALL PANELS SHALL BE PROVIDED WITH TYPED PANEL SCHEDULE.

24.

PROVIDE FIBER BUSHINGS ON THE ENDS OF ALL CONDUIT STUBS.

25.

ALL OF THE NOTES UNDER THE "GENERAL NOTES" SHALL APPLY TO ALL OF THE ELECTRICAL DRAWINGS.

26.

ALL DEVICES/BOXES IN BLOCK WALLS SHALL HAVE MIN 3/4"C (UNLESS OTHERWISE NOTED) FROM BOX TO ABOVE AN ADJACENT ACCESSIBLE CEILING.

27.

ALL SWITCHES, RECEPTACLES, PANELBOARDS, FIRE ALARM PANELS, POWER SUPPLIES AND DISCONNECTS SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT.

28.

ALL SPARE CONDUITS SHALL BE PROVIDED WITH A PULL STRING.

29.

ALL PANELS THAT HAVE NEW CIRCUITS OR REMOVED CIRCUITS SHALL HAVE NEW TYPED UPDATED PANEL SCHEDULES.

30.

ALL SWITCHES, RECEPTACLES, PANELBOARDS, DISCONNECTS AND EQUIPMENT SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT.

31.

ALL POWER OUTAGES THAT AFFECT AREAS OUTSIDE OF THE CONSTRUCTION AREA ARE REQUIRED TO BE PERFORMED ON 3<sup>RD</sup> SHIFT. COORDINATE ALL POWER OUTAGE WITH UNIVERSITY IN WRITING A MINIMUM 14 DAYS IN ADVANCE.

DEMOLITION NOTES

1.

ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO DEMOLITION.

2.

DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.

3.

PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER OPT TO KEEP ANY MATERIALS, THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE, ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, SHALL BE REMOVED FROM THE SITE, AND BE DISPOSED OF IN A LEGAL MANNER.

4.

DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE SHALL BE REFISHED IN AN APPROVED MANNER.

5.

MAINTAIN EXISTING UTILITIES INDICATED OR WHERE REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.

6.

DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.

7.

REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.

8.

PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.

9.

PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.

10.

ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, THEY SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ENGINEER FOR DIRECTIONS.

11.

ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.

12.


DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. MAINTAIN (E) CIRCUIT INTEGRITY.

CONTRACTOR RESPONSIBILITY CHART

| CONTRACTOR RESPONSIBILITY CHART   |                       |                       |                       |                                    |                                    |  |
|---|-----------------------|-----------------------|-----------------------|------------------------------------|------------------------------------|--|
| MATERIAL  | PROVIDED BY           | INSTALLED BY          | LOW-VOLTAGE WIRING BY | 120V POWER, BACKBOX AND CONDUIT BY | PROGRAMMING/ HEAD END TERMINATIONS |  |
| DATA AND TELEPHONE JACKS, CAT5E CABLEING, FIBER OPTIC CABLE, FACEPLATES, RACKS, AND PATCH PANELS  | BY OTHERS             | BY OTHERS             | BY OTHERS             | ELECTRICAL CONTRACTOR              | BY OTHERS                          |  |
| TELEPHONES AND TELEPHONE EQUIPMENT  | BY OWNER              | BY OWNER              | BY OTHERS             | ELECTRICAL CONTRACTOR              | BY OTHERS                          |  |
| DISPLAY MONITORS  | LEASEE                | ELECTRICAL CONTRACTOR | ELECTRICAL CONTRACTOR | ELECTRICAL CONTRACTOR              | -                                  |  |
| POWER, LIGHTING, FIRE ALARM   | ELECTRICAL CONTRACTOR | ELECTRICAL CONTRACTOR | ELECTRICAL CONTRACTOR | ELECTRICAL CONTRACTOR              | ELECTRICAL CONTRACTOR              |  |
| * DATA AND TELEPHONE CABLEING DEMOLITION BY ELECTRICAL CONTRACTOR BACK TO LOCATION OUTSIDE OF COMMUNICATIONS ROOM. FINAL DISCONNECTION FROM DATA BACKS BY OTHERS. |                       |                       |                       |                                    |                                    |  |
| ** THIS CHART SHALL SUPERSEDE ANY OTHER LOCATIONS DESCRIBING CONTRACTOR RESPONSIBILITIES.   |                       |                       |                       |                                    |                                    |  |
|   |                       |                       |                       |                                    |                                    |  |

**CODE REVIEW:**

CERTIFICATE:




SPIEZEL ARCHITECTURAL GROUP INC.  
1395 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08611  
PHONE: 609-695-7400

SIGNATURE:

|                   |            |
|-------------------|------------|
| THOMAS S. PERRINO | 2148703040 |
| SCOTTE S. JOHNE   | 2148703040 |
| STEVEN LEONE      | 2148703700 |
| STEVEN H. REBEL   | 2148703600 |
| ANGELA ALBERTO    | 2148703630 |
| JOHN WRIGHT       | 2148703630 |

SPIEZEL ARCHITECTURAL GROUP, INC.  
2142-00033030

**CONSULTANTS:**



**SCHILLER AND HERSH ASSOCIATES, INC.**  
**Consulting M/E/P Engineers**

|  |  |
|--|--|
| 636 Pineapple Pike, Suite 200<br>Blue Bell, PA 19422<br>S8R LHO #2040A | P 215-886-8947<br>P 215-886-8956<br><a href="http://www.schillher.com">www.schillher.com</a> |
|--|--|

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Certificate of Authorization: 24GA28014000

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SEAL:

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RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

—

PROJECT:

SOM THIRD FLOOR  
RENOVATIONS

42 E. LAUREL ROAD #1718  
STRATFORD, NJ 08084

ROWAN UNIVERSITY

201 MULICA HILL ROAD  
GLASSBORO, NEW JERSEY 08028

FOR CODE REVIEW: 07/22/2022

REVISIONS:

|  | REVISION NAME | DATE |
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FOR BID: 07/22/2022

DRAWING TITLE:

ELECTRICAL

COVER SHEET

COMMISSION NUMBER:  
20U006

DO NOT SCALE THE DRAWINGS

DRAWING  
NUMBER:

E0.1

## CONTRACTOR RESPONSIBILITY CHART

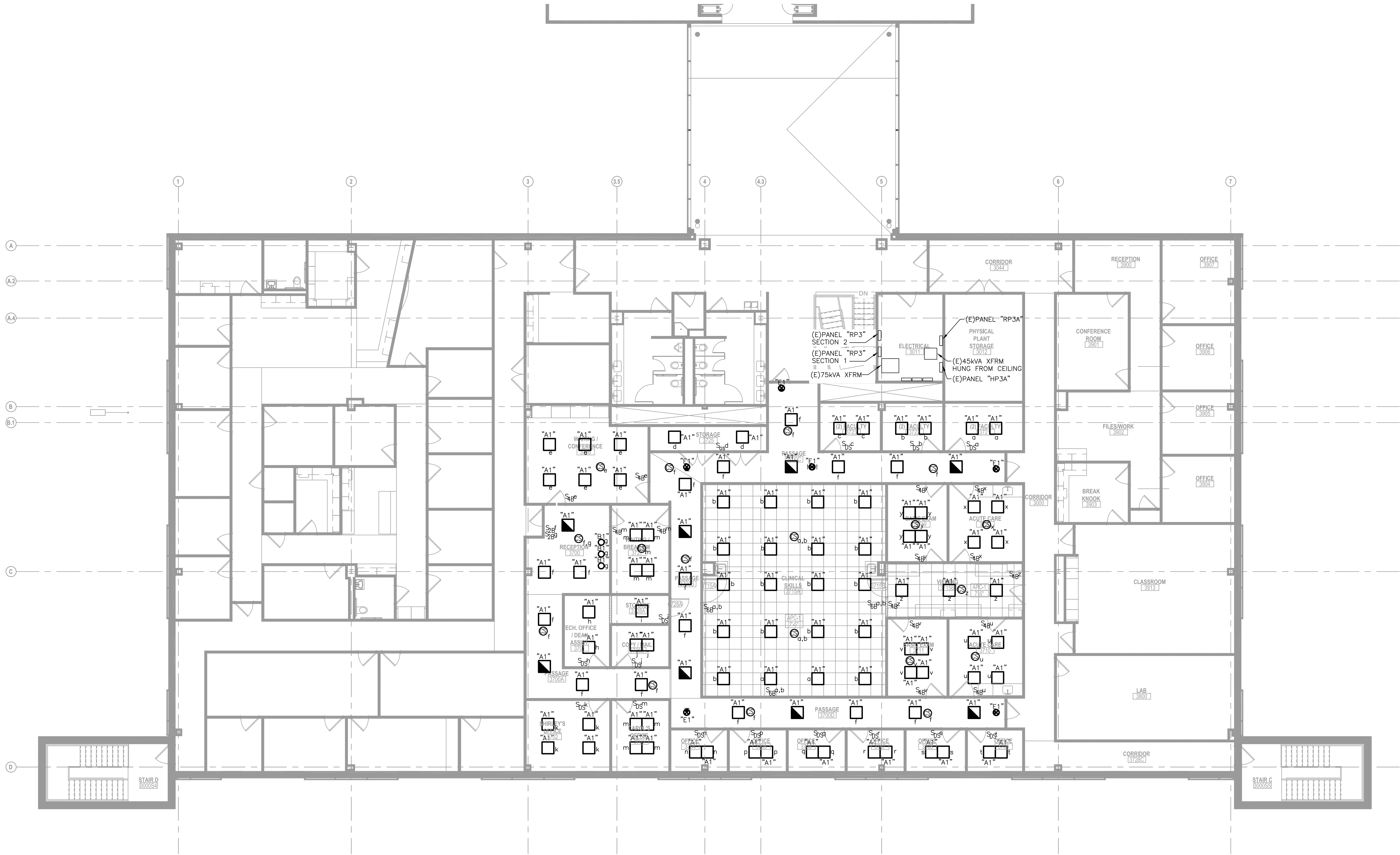
| CONTRACTOR RESPONSIBILITY CHART  |                       |                       |                          |                                       |                                       |
|--|-----------------------|-----------------------|--------------------------|---------------------------------------|---------------------------------------|
| MATERIAL   | PROVIDED BY           | INSTALLED BY          | LOW-VOLTAGE<br>WIRING BY | 120V POWER, BACKBOX<br>AND CONDUIT BY | PROGRAMMING/ HEAD<br>END TERMINATIONS |
| DATA AND TELEPHONE JACKS, CAT6 CABLE, FIBER OPTIC CABLE,<br>FACEPLATES, RACKS, AND PATCH PANELS  | BY OTHERS             | BY OTHERS             | BY OTHERS                | ELECTRICAL CONTRACTOR                 | BY OTHERS                             |
| TELEPHONES AND TELEPHONE EQUIPMENT   | BY OWNER              | BY OWNER              | BY OTHERS                | ELECTRICAL CONTRACTOR                 | BY OTHERS                             |
| DISPLAY MONITORS   | LEASEE                | ELECTRICAL CONTRACTOR | ELECTRICAL CONTRACTOR    | ELECTRICAL CONTRACTOR                 | -                                     |
| POWER, LIGHTING, FIRE ALARM  | ELECTRICAL CONTRACTOR | ELECTRICAL CONTRACTOR | ELECTRICAL CONTRACTOR    | ELECTRICAL CONTRACTOR                 | ELECTRICAL CONTRACTOR                 |
| * DATA AND TELEPHONE CABLE DEMOLITION BY ELECTRICAL CONTRACTOR BACK TO LOCATION OUTSIDE OF COMMUNICATIONS ROOM. FINAL DISCONNECTION FROM DATA RACKS BY OTHERS. |                       |                       |                          |                                       |                                       |
| ** THIS CHART SHALL SUPERSEDE ANY OTHER LOCATIONS DESCRIBING CONTRACTOR RESPONSIBILITIES.  |                       |                       |                          |                                       |                                       |
|  |                       |                       |                          |                                       |                                       |



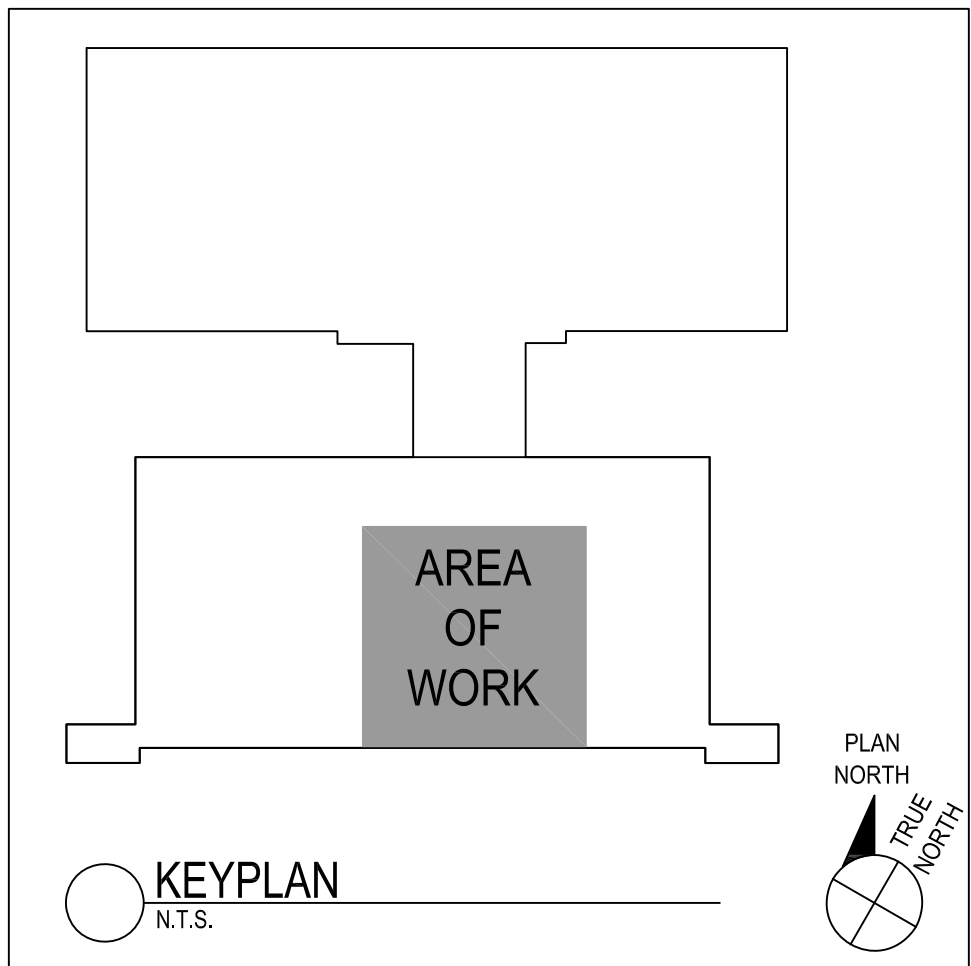
3"=1'-0"  
1 1/2"=1'-0"  
1"=1'-0"  
3/4"=1'-0"  
1/2"=1'-0"  
1/4"=1'-0"  
1/8"=1'-0"  
1/16"=1'-0"

| LIGHTING FIXTURE SCHEDULE |               |                                       |  |          |              |       |       |            |      |               |              |  |
|---------------------------|---------------|---------------------------------------|--|----------|--------------|-------|-------|------------|------|---------------|--------------|--|
| FIXTURE TYPE              | MANUFACTURER  | CATALOG NUMBER                        | ALTERNATE MANUFACTURERS                | VOLTS    | LIGHT ENGINE |       |       |            |      | DRIVER        | MOUNTING     | REMARKS  |
|                           |               |                                       |  |          | LUMENS       | WATTS | COLOR | HOURS @L70 | TYPE |               |              |  |
| A1                        | SYLVANIA      | PANELF 1A032UNV084022G/WH             | UNIVERSITY STANDARD<br>NO SUBSTITUTION | 120/277V | 3600         | 34    | 4000K | 50,000     | LED  | 0-10V DIMMING | RECESSED     | 5 YEARS<br>2X2' EDGE-LIT LED FIXTURE WITH WHITE PMMA DIFFUSER LENS. FIXTURE SHALL BE MAXIMUM 1.71" DEEP.   |
| B1                        | H.E. WILLIAMS | 4DR-L10/840-DM-LIN-V-Q-WW-QF-SG-A1-F1 | OR APPROVED EQUAL                      | 120/277V | 1000         | 12    | 4000K | 50,000     | LED  | 0-10V DIMMING | RECESSED     | 5 YEARS<br>4" DIAMETER ROUND RECESSED WALL WASH LED DOWNLIGHT FIXTURE.   |
| E1                        | EMERGLITE     | LX-12-N-R-M-UA-C                      | OR APPROVED EQUAL                      | 120/277V | -            | 1.5   | -     | -          | LED  | -             | WALL/CEILING | 5 YEARS<br>LED EDGE-LIT EXIT SIGN, AC-ONLY RECESSED AND UNIVERSAL MOUNT WITH UNIVERSAL FIELD INSTALLED ARROWS. CONTRACTOR SHALL DETERMINE THE NUMBER OF 1 AND 2 FACE SIGNS ON THE PROJECT AND SHALL DETERMINE THE ARROWS BASED ON THE CONTRACT DRAWINGS. |

- NOTES:
- REFER TO DRAWING E0-1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
  - ALL WORK SHOWN SHALL BE NEW WORK UNLESS NOTED OTHERWISE AS EXISTING (E) OR RELOCATED (REL).
  - REFER TO ARCHITECTURAL PLANS FOR DETAILS AND NOTES REGARDING NEW CEILINGS. COORDINATE FINAL LOCATIONS OF LIGHTS AND CEILING MOUNTED DEVICES WITH GC IN FIELD, AS WELL AS ALL OTHER CEILING MOUNTED DEVICE AND EQUIPMENT.
  - WIRE NORMAL LIGHTING FIXTURES TO EXISTING LIGHTING CIRCUIT IN THE SPACE WHERE THE DEMOLISHED LIGHT FIXTURES WERE WIRED, VIA THE NEW LIGHTING FIXTURE CONTROLS.
  - WIRE NORMAL/EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS TO EXISTING NORMAL/EMERGENCY LIGHTING CIRCUIT IN THE SPACE WHERE THE DEMOLISHED NORMAL/EMERGENCY LIGHT FIXTURES WERE WIRED. EXIT SIGNS SHALL BE WIRED AHEAD OF ALL SWITCHING DEVICES.
  - ALL WIRING AND MATERIALS INSTALLED ABOVE THE CEILING SHALL BE PLENUM RATED.



1 THIRD FLOOR LIGHTING PLAN-NEW WORK  
SCALE: 1/8" = 1'-0"



CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.  
1395 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08601  
PHONE: 609-695-7400

SIGNATURE:  
THOMAS L. PERINO 2140195460  
SCOTTE COINE 2140191460  
STEVEN J. BIEL 2140110100  
ANGEL ALBERTO 2140198420  
JANET WISNET 2140198420  
SPIEZLE ARCHITECTURAL GROUP, INC. 2140200000

CONSULTANTS:



SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Sheppard Pkwy, Suite 200 P: 215.886.8947  
Blue Bell, PA 19422 F: 215.886.8956  
SBA# JOB #20400A www.schillerherh.com  
Certificate of Authorization: 24GA02814500  
SEAL:

RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

PROJECT:

SOM THIRD FLOOR  
RENOVATIONS

42 E. LAUREL ROAD #1718  
STRATFORD, NJ 08084

ROWAN UNIVERSITY

201 MULICA HILL ROAD  
GLASSBORO, NEW JERSEY 08028

FOR CODE REVIEW: 07/22/2022

| REVISIONS: | REVISION NAME | DATE |
|------------|---------------|------|
| 1          |               |      |

FOR BID: 07/22/2022

DRAWING TITLE:

THIRD FLOOR  
LIGHTING PLAN-  
NEW WORK

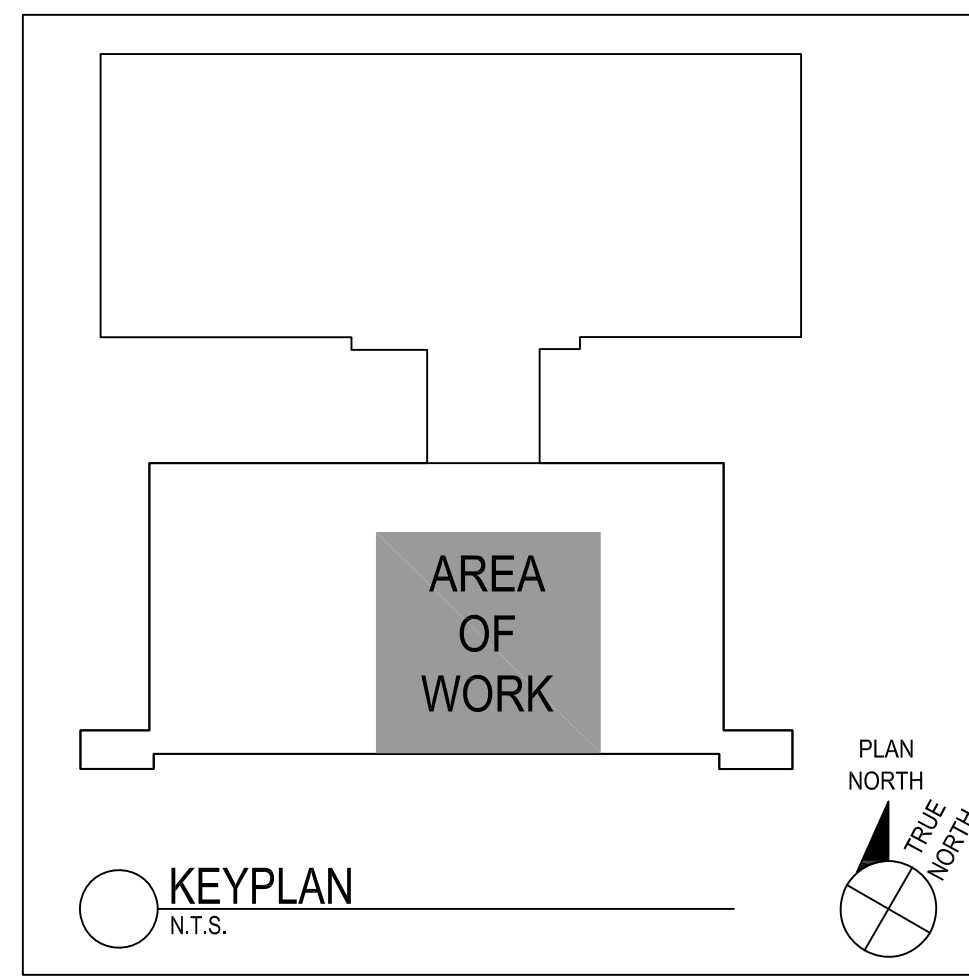
COMMISSION NUMBER:  
20U006

DO NOT SCALE THE DRAWINGS  
DRAWING NUMBER:  
E1.1



## 2 PANEL SCHEDULES

SCALE: NOT TO SCALE



**1 THIRD FLOOR POWER/FIRE/COMM PLAN-NEW WORK**  
SCALE: 1/8" = 1'-0"

- | CODE REVIEW:  |  |
|---|--|
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RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

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| REVISIONS:  |               |      |
|---|---------------|------|
|  | REVISION NAME | DATE |

FOR BID: 07/22/2022

DRAWING TITLE:

THIRD FLOOR  
POWER/FIRE/COMM PLAN-  
NEW WORK

COMMISSION NUMBER:  
20U006

DO NOT SCALE THE DRAWINGS

DRAWING  
NUMBER:

E2.1



REQUIREMENT NOTES

- PART 1 – GENERAL
- 1.1 DESCRIPTION:
- A. WORK INCLUDED:
1. DESIGN, FABRICATE, INSTALL, AND SECURE REQUIRED APPROVALS FOR A COMPLETE FIRE PROTECTION AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING AND/OR AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION IN ACCORDANCE WITH PERTINENT REQUIREMENTS OF THE FIRE RATING BUREAU AND GOVERNMENTAL AGENCIES HAVING JURISDICTION.
- 1.2 QUALITY ASSURANCE:
- A. USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THIS SECTION.
- B. IN ADDITION, COMPLYING WITH PERTINENT CODES AND REGULATIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION COMPLY WITH:
1. RECOMMENDATIONS OF THE FIRE RATING BUREAU HAVING JURISDICTION.
2. PERTINENT RECOMMENDATIONS CONTAINED IN NFPA PAMPHLET NO. 13 "STANDARDS FOR SPRINKLER SYSTEM INSTALLATIONS."
- 1.3 SUBMITTALS:
- A. SPRINKLER CONTRACTOR SHALL PROVIDE PIPING MAINS WITH SIZES AS SHOWN, OR LARGER (WHEN SHOWN) AND WITH BRANCH PIPING SIZED AS REQUIRED BY SPRINKLER CONTRACTORS HYDRAULIC CALCULATIONS. SPRINKLER CONTRACTOR SHALL PREPARE SHOP DRAWINGS IN ACCORDANCE WITH NFPA 13 IDENTIFIED AS WORKING PLANS INCLUDING HYDRAULIC CALCULATIONS. THIS SUBMITTAL SHALL BE DESIGNED BY AND SIGNED AND SEALED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER WHO SHALL BECOME THE "ENGINEER OF RECORD" FOR THE FINAL FIRE SPRINKLER/STANDPIPE SYSTEMS, SO DESIGNED. THE SPRINKLER CONTRACTOR SHALL SUBMIT THE WORKING PLANS AND CALCULATIONS TO THE ARCHITECT AND ENGINEER FOR GENERAL SCOPE REVIEW PRIOR TO SUBMITTING TO THE AUTHORITIES HAVING JURISDICTION. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMISSION OF SHOP DRAWINGS, SPECIFICATIONS, WATER SUPPLY DATA, HYDRAULIC CALCULATIONS, ETC. FOR THE AUTOMATIC FIRE SPRINKLER SYSTEMS TO BE INSTALLED.
- B. PRODUCT DATA:
1. WITHIN 35 CALENDAR DAYS AFTER THE CONTRACTOR HAS RECEIVED THE OWNER'S NOTICE TO PROCEED, SUBMIT:
- a. MATERIALS LIST OF ITEMS PROPOSED UNDER THIS SECTION.
- b. DESIGN DRAWINGS, STAMPED AS HAVING BEEN APPROVED BY THE ARCHITECT AND ENGINEER OF RECORD AS WELL AS THE FIRE RATING BUREAU HAVING JURISDICTION, SHOWING THE COMPLETE OVERHEAD SPRINKLER SYSTEM AND INDICATING CEILING AIR DIFFUSERS, LIGHTING FIXTURES, AND BEAMS.
- c. DETAILS AND SECTIONS AS REQUIRED TO CLARIFY THE DESIGN.
- C. RECORD DRAWINGS:
1. INCLUDE A COPY OF THE RECORD DRAWINGS IN EACH COPY OF THE OPERATION AND MAINTENANCE MANUAL DESCRIBED BELOW.
2. UPON COMPLETION OF THIS PORTION OF WORK, AND AS A CONDITION OF ITS ACCEPTANCE, DELIVER TO THE ARCHITECT TWO COPIES OF AN OPERATION MANUAL COMPLIED IN ACCORDANCE WITH THE PROVISIONS OF THESE SPECIFICATIONS.

- PART 2 – PRODUCTS DESIGN:
- 2.1 PROVIDE A DESIGN WHICH IS COMPLETE IN ALL REGARDS INCLUDING, BUT NOT NECESSARILY LIMITED TO:
- A. CONNECTION TO UTILITY MAIN INCLUDING REQUIRED VALVES, FITTINGS, AND SIMILAR ITEMS.
- B. OVERHEAD SPRINKLER SYSTEM. SPRINKLER CONTRACTOR SHALL PROVIDE PIPING MAINS WITH SIZES AS SHOWN, OR LARGER (WHEN SHOWN), WITH BRANCH PIPING SIZED AS REQUIRED BY SPRINKLER CONTRACTORS HYDRAULIC CALCULATIONS.
1. SPRINKLER CONTRACTOR SHALL SUBMIT PRODUCT DATA FOR EACH TYPE SPRINKLER HEAD, VALVE, PIPING SPECIALTY, AND FIRE PROTECTION SPECIALTY.
2. SPRINKLER PROTECTION SHALL BE BASED ON LIGHT HAZARD OCCUPANCY FOR CLASSROOMS, OFFICE SPACES, ETC. AND ORDINARY HAZARD OCCUPANCY FOR STORAGE, STAGES, KITCHENS, AND EQUIPMENT ROOMS.
- 2.2 ARRANGEMENT:
- A. IN AREAS HAVING CEILINGS, CONCEAL ALL PIPES.
- B. IN STORAGE AND SERVICE AREAS, PIPES MAY BE EXPOSED BUT HOLD TO THE MINIMUM PRACTICABLE DISTANCE BELOW THE CEILING.
- 2.3 MATERIALS:
- A. SPRINKLER HEADS:
1. ABOVE CEILINGS AND/OR IN AREAS WITHOUT FINISHED CEILINGS, PROVIDE STANDARD UPRIGHT TYPE.
2. IN FINISHED CEILINGS, PROVIDE CONCEALED TYPE SPRINKLER HEADS WITH WHITE COVER PLATE. INSTALL IN CENTER OR TILE.
- B. PROVIDE SUPPORTS, HANGERS, INSERTS, AND ASSOCIATED ITEMS TO PROPERLY SUPPORT SPRINKLER PIPING IN ACCORDANCE WITH PERTINENT PROVISIONS OF NFPA PAMPHLET NO. 13.
- C. VALVE SEALS, SIGNS, TAGS, AND CHARTS:
1. SEALS: PROVIDE BRASS CROSS-LINKS CHAIN. ALL BRASS PADLOCK AND TWO KEYS FOR EACH MANUALLY OPERATED SHUTOFF VALVE REQUIRED TO BE SEALED IN THE OPEN POSITION.
2. SIGNS: PROVIDE IDENTIFICATION SIGNS OF STANDARD DESIGN, FASTENED SECURELY AT DESIGNATED LOCATIONS IN ACCORDANCE WITH NFPA PAMPHLET NO. 13. PROVIDE PERMANENT ENGRAVED STEEL PLACARD CHAINED TO SPRINKLER VALVE WITH HYDRAULIC "BASIS OF DESIGN."
3. TAGS: PROVIDE 2" DIAMETER BRASS TAGS, STAMPED WITH DESIGNATION NUMBERS, AND ATTACHED WITH 12 GAGE COPPER WIRE TO SPINDLE OF THE CONTROL VALVES.
4. CHARTS:
- a. PROVIDE TWO COPIES OF THE APPROVED "AS-BUILT" SPRINKLER SYSTEM DIAGRAM AND VALVE CHART GIVING DESIGNATION NUMBER, FUNCTION, AND LOCATION OF EACH VALVE.
- b. MOUNT IN PAINTED FRAMES UNDER GLASS AND LOCATED WHERE DIRECTED BY THE ARCHITECT.
- 2.4 OTHER MATERIALS:
- A. PROVIDE OTHER MATERIALS NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE AND PROPER INSTALLATION AS SELECTED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ARCHITECT.
- B. FURNISH EXTRA SPRINKLER HEADS AND SPRINKLER HEAD CABINETS WITH ASSOCIATED WRENCHES PER THE FOLLOWING SCHEDULE:
1. FOR SYSTEMS HAVING LESS THAN 300 SPRINKLERS, NOT FEWER THAN 6 SPRINKLERS.
2. FOR SYSTEMS WITH 300 TO 1000 SPRINKLERS, NOT FEWER THAN 12 SPRINKLERS.
3. FOR SYSTEMS WITH OVER 1000 SPRINKLERS, NOT FEWER THAN 24 SPRINKLERS.
- C. PROVIDE INSPECTORS TEST CONNECTION AND DRAIN ACCORDING TO NFPA 13.
- D. PROVIDE FLOW SWITCHES, PRESSURE GAUGES, AND SUPERVISORY SWITCHES PER NFPA 13.

- PART 3 – EXECUTION
- 3.1 SURFACE CONDITIONS:
- A. EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.
- B. SPRINKLER CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING IN ALL AREAS AS REQUIRED UNDER THIS CONTRACT. PATCH ALL WALL, CEILING, AND FLOOR OPENINGS AS NECESSARY.
- 3.2 INSTALLATION:
- A. COORDINATE AS NECESSARY WITH OTHER TRADES TO ASSURE PROPER AND ADEQUATE PROVISION IN THE WORK OF THOSE TRADES FOR INTERFACE WITH THE WORK OF THIS SECTION.
- B. INSTALL THE WORK OF THIS SECTION IN STRICT ACCORDANCE WITH THE APPROVED DESIGN DRAWINGS AND THE REQUIREMENTS OF THE FIRE MARSHAL, GOVERNMENTAL AGENCIES, AND FIRE RATING BUREAU HAVING JURISDICTION.
- C. PROVIDE HOODS OR SHIELDS ABOVE ALL ELECTRICAL EQUIPMENT IN ELECTRIC ROOMS.
- D. PROVIDE SPRINKLER GUARDS FOR ALL SPRINKLER HEADS ABOVE GYMNASIUM AND/OR BELOW STAGE AREA.
- E. THE SPRINKLER CONTRACTOR SHALL MAKE AN ALLOWANCE TO INSTALL A MINIMUM OF 20% ADDITIONAL SPRINKLER HEADS TO BE INSTALLED AS TO PROVIDE ADEQUATE COVERAGE DUE TO ANY

- MECHANICAL AND/OR ARCHITECTURAL OBSTRUCTIONS, DUCTWORK, PIPING, ETC. INSTALLED DURING CONSTRUCTION WHICH MAY ALTER THE ORIGINAL SPRINKLER DESIGN.
- F. SPRINKLER CONTRACTOR SHALL DESIGN SPRINKLER PIPING TO INCLUDE A 20% MARGIN OF SAFETY FOR BOTH AVAILABLE WATER FLOW AND PRESSURE.
- G. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIREWALLS AND WALLS WHICH REQUIRE SEALING. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL WALL PENETRATIONS WITH FIRE RATED SEALANT BEFORE FINAL PAYMENT. PROVIDE CODE APPROVED FIRE STOP SYSTEMS AT ALL OPENINGS (CORRIDOR WALLS 2 HOUR RATED). FIRE STOP INSTALLATION MUST MEET REQUIRED ASTM E814 AND UL1479 TESTED ASSEMBLIES, THAT PROVIDE A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
- 3.3 TESTING AND ACCEPTANCE:
- A. UPON COMPLETION OF THE INSTALLATION, PROVIDE NECESSARY PERSONEL AND EQUIPMENT AND TEST AND RETEST THE COMPLETE SYSTEM, MAKING ADJUSTMENTS AS REQUIRED, AND SECURE ALL NECESSARY APPROVALS.
- B. WHEN THE SYSTEM HAS BEEN COMPLETELY APPROVED, SECURE A LETTER OF FINAL ACCEPTANCE FROM THE FIRE RATING BUREAU HAVING JURISDICTION, AND FORWARD TWO COPIES OF THE LETTER TO THE ARCHITECT.
- C. SPRINKLER CONTRACTOR SHALL FLUSH, TEST, AND INSPECT SPRINKLER PIPING SYSTEM ACCORDING TO NFPA 13.
- D. SPRINKLER CONTRACTOR SHALL PROVIDE ALL REQUIRED TESTING OF WATER SUPPLIES FOR POTENTIAL (MIC) MICROBIOLOGICALLY INFLUENCED CORROSION PER NFPA 13 (WATER SUPPLY TREATMENT).

GENERAL NOTES

1. THE FOLLOWING NOTES APPLY TO ALL FIRE PROTECTION DRAWINGS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH NFPA 13-2016 AND ALL OTHER APPLICABLE CODES AND STANDARDS.
3. ALL DRAWINGS ARE DIAGRAMMATIC. FIRE PROTECTION CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.
5. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES AND LOCATIONS PRIOR TO THE START OF CONSTRUCTION. WHEN CONFLICTS ARISE, MAKE ANY NECESSARY CHANGES TO ROUTING OF SPRINKLER PIPING AT NO ADDITIONAL COST.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COORDINATION DRAWINGS SHOWING ALL TRADES. NO EQUIPMENT, PIPING, DUCTWORK, ETC. IS TO BE INSTALLED WITHOUT APPROVAL BY THE ENGINEER.
7. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
8. FIRE PROTECTION CONTRACTOR SHALL PROVIDE FIREPROOF PIPE SLEEVES AT ALL NEW PIPING PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.
9. INDICATED SPRINKLER HEAD AND PIPING ARE DIAGRAMMATIC. CONTRACTOR SHALL DETERMINE ALL REQUIRED LOCATIONS AND BRANCH/MAIN DIRECTION CHANGES BEFORE FABRICATION AND INSTALLATION TO AVOID INTERFERENCE WITH OTHER TRADES AND EXISTING STRUCTURES..
10. UNLESS OTHERWISE NOTED, ALL SPRINKLER PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB/STEEL.

FIRE WATCH AND SCHEDULING REQUIREMENTS

1. FIREWATCH WILL BE PERFORMED BY ROWAN, AMOUNT OF SPRINKLER SYSTEM THAT MAY BE OUT OF SERVICE AT ONE TIME WILL BE DETERMINED BY ROWAN AND LOCAL FIRE MARSHALL. CONTRACTOR SHALL ASSUME LIMITED AREAS ONLY WILL BE OFFLINE AT ANY TIME, WHILE THE REMAINDER OF THE FLOOR AND BUILDING TO REMAIN OPERATIONAL.
2. CONTRACTOR IS TO SUBMIT CONSTRUCTION SCHEDULE AND TIMES TO BOTH ENGINEER/ARCHITECT AND LOCAL AUTHORITIES HAVING JURISDICTION FOR REVIEW AND APPROVAL.
3. A FIRE WATCH WILL BE REQUIRED DURING SYSTEM DOWNTIME. CONTRACTOR IS RESPONSIBLE FOR DEACTIVATING SYSTEM AND ACTIVATING SYSTEM ONCE PROJECT IS COMPLETE AND APPROVED.
4. CONTRACTOR IS RESPONSIBLE FOR FIRE ALARM SYSTEM DEACTIVATION AND ACTIVATION ASSOCIATED WITH THE SPRINKLER SYSTEM TAMPER AND FLOW SWITCHES.

GENERAL DEMOLITION NOTES

1. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
2. DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.
3. PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER OPT TO KEEP ANY MATERIALS, THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE, ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, SHALL BE REMOVED FROM THE SITE, AND BE DISPOSED OF IN A LEGAL MANNER.
4. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.
5. MAINTAIN EXISTING UTILITIES INDICATED OR WHERE REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.
6. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.
7. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.
8. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.
9. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE, HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.
10. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, THEY SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ENGINEER FOR REPAIRS.
11. EXTREME CARE SHALL BE EXERCISED FOR ALL EXISTING ITEMS THAT ARE TO REMAIN IN SERVICE UNTIL NEW ITEMS ARE INSTALLED FOR THE SAME SERVICE. ALL SHUTDOWNS OF ANY SYSTEM SHALL BE COORDINATED WITH THE OWNER.
12. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK

LIST OF DRAWINGS

FP0.1 FIRE PROTECTION COVER SHEET  
FP1.1 THIRD FLOOR FIRE PROTECTION PLAN-DEMOLITION & NEW WORK

SYMBOL AND ABBREVIATION LEGEND

|      |                                 |  |  |
|------|---------------------------------|--|--|
| BFP  | BACK FLOW PREVENTER             |  | CHECK VALVE                              |
| CA   | COMPRESSED AIR                  |  | PRESSURE GAUGE WITH COCK                 |
| DN   | DOWN                            |  | DRAIN VALVE WITH HOSE THREAD             |
| DW   | DISHWASHER                      |  | BACK FLOW PREVENTER                      |
| EC   | ELECTRICAL CONTRACTOR           |  | OS & Y VALVE (M DENOTES MONITORED VALVE) |
| FD-A | FLOOR DRAIN                     |  | FLOW SWITCH                              |
| FS   | FLOW SWITCH                     |  | PRESSURE REDUCING VALVE                  |
| GC   | GENERAL CONTRACTOR              |  |  |
| MAX  | MAXIMUM                         |  |  |
| MIN  | MINIMUM                         |  |  |
| MC   | MECHANICAL CONTRACTOR           |  |  |
| M    | MONITORED                       |  |  |
| N    | NEW WORK                        |  |  |
| NC   | NORMALLY CLOSED                 |  |  |
| NO   | NORMALLY OPEN                   |  |  |
| NTS  | NOT TO SCALE                    |  |  |
| NIC  | NOT IN CONTRACT                 |  |  |
| OS&Y | OUTSIDE SCREW & YOKE GATE VALVE |  |  |
| PC   | PLUMBING CONTRACTOR             |  |  |
| PRV  | PRESSURE REDUCING VALVE         |  |  |

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.  
1386 YARVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08611  
PHONE: 609-696-7400

SIGNATURE:

THOMAS L. PERINO 2140105460  
SCOTTE COONE 2140101440  
STEVEN L. DINE 2140101700  
STEVEN S. BESEL 2140100000  
ANGELA ALBERTO 2140101010  
JANE WISNET 2140104200  
SPIEZLE ARCHITECTURAL GROUP, INC. 2140200000

CONSULTANTS:



SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Shepack Pkwy, Suite 200 P 215.886.8947  
Blue Bell, PA 19422 F 215.886.8956  
SBA# 105 #2040A www.schillerherh.com  
Certificate of Authorization: 24GA028141000

SEAL:

RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

PROJECT:

SOM THIRD FLOOR  
RENOVATIONS

42 E. LAUREL ROAD #1718  
STRATFORD, NJ 08084

ROWAN UNIVERSITY

201 MULLICA HILL ROAD  
GLASSBORO, NEW JERSEY 08028

FOR CODE REVIEW: 07/22/2022

REVISIONS:

| REVISION NAME | DATE |
|---------------|------|
|---------------|------|

FOR BID:

07/22/2022

DRAWING TITLE:

FIRE PROTECTION  
COVER SHEET

COMMISSION NUMBER:

20U006

DO NOT SCALE THE DRAWINGS

DRAWING  
NUMBER:

FP0.1



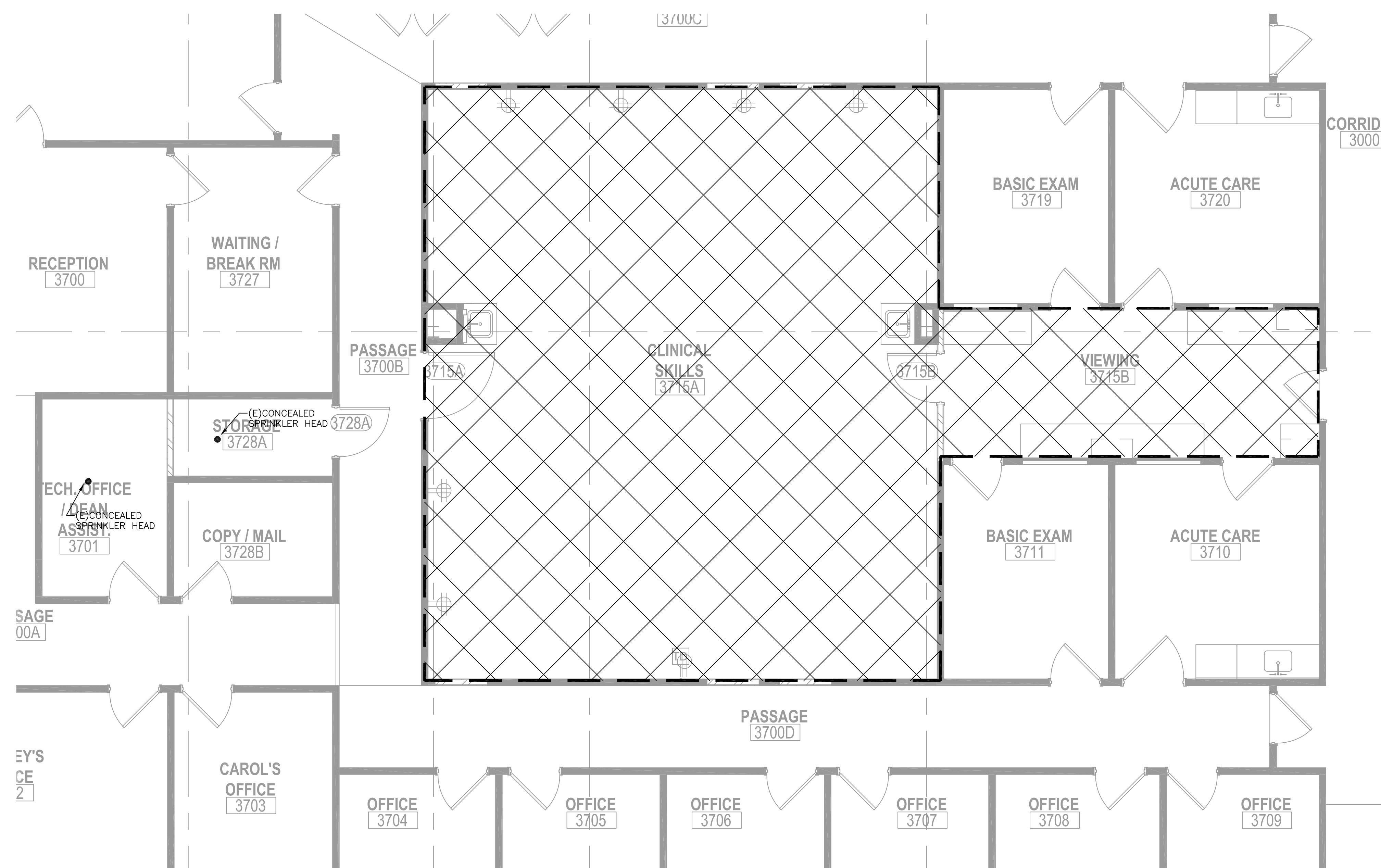
3"=1'-0"  
1 1/2"=1'-0"  
1"=1'-0"  
3/4"=1'-0"  
1/2"=1'-0"  
1/4"=1'-0"  
1/8"=1'-0"  
1/16"=1'-0"



2 THIRD FLOOR FIRE PROTECTION PLAN-DEMOLITION WORK  
SCALE: 1/4" = 1'-0"

NOTES:  
1. REFER TO DRAWING NO. FP0.1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.  
2. CONTRACTOR TO REMOVE EXISTING SPRINKLER HEADS AND EXTEND AND MODIFY SPRINKLER MAIN PIPING AS NEEDED TO ACCOMMODATE NEW CEILING GRID, HVAC LAYOUT, AND WALL LAYOUTS. CONTRACTOR TO PROVIDE NEW PIPING AND HEADS AS NEEDED TO PROVIDE A FULLY SUPPRESSED BUILDING PER NFPA 13 2016 REQUIREMENTS.  
3. INSPECT SPRINKLER HEADS PER NFPA 25 AND REPLACE DAMAGED SPRINKLER HEADS AS REQUIRED

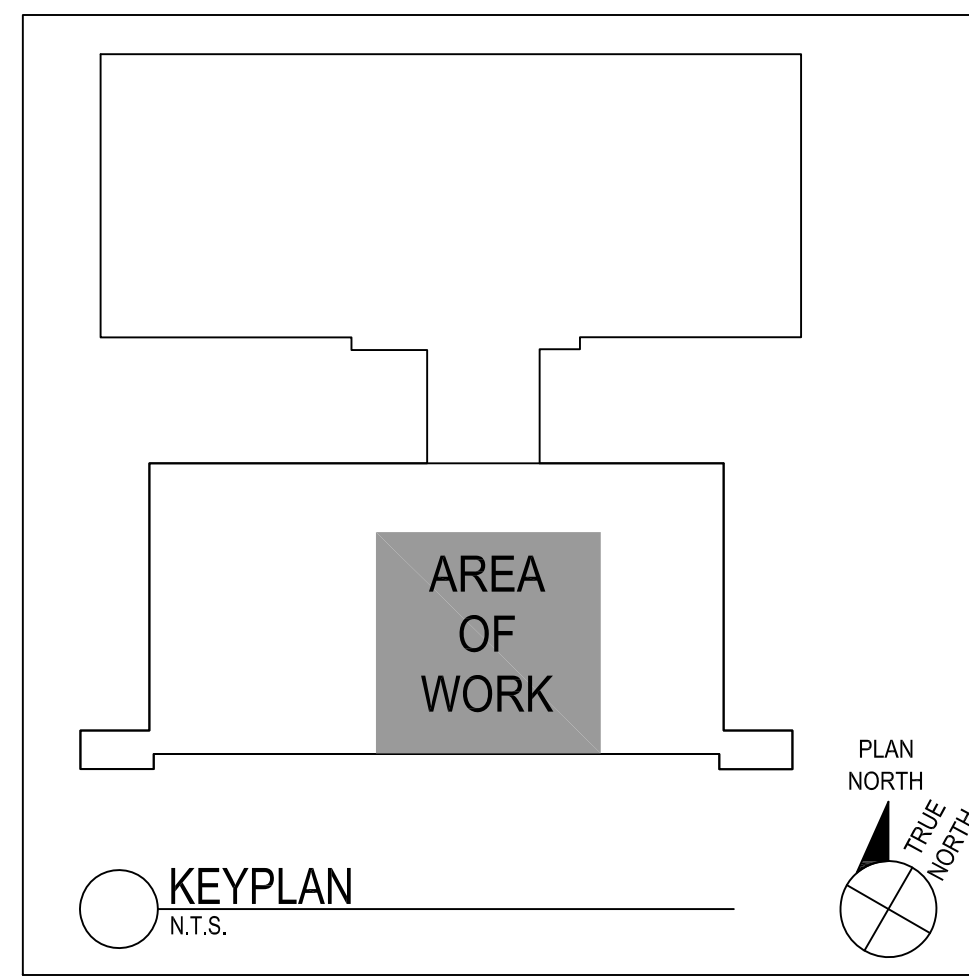
LEGEND:  
REMOVE HARD PIPING DROPS DOWN TO SPRINKLER HEAD. REFER TO NEW WORK PLANS FOR INSTALLATION OF NEW FLEXIBLE BRAIDED PIPING AND SPRINKLER HEADS. REPLACE DAMAGED SPRINKLER HEADS AS REQUIRED. ALL NEW PIPING AND HEADS ARE TO BE PROVIDED AND INSTALLED IN ACCORDANCE WITH NFPA 13-2016.



1 THIRD FLOOR FIRE PROTECTION PLAN-NEW WORK  
SCALE: 1/4" = 1'-0"

NOTES:  
1. REFER TO DRAWING NO. FP0.1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.  
2. CONTRACTOR TO REMOVE EXISTING SPRINKLER HEADS AND EXTEND AND MODIFY SPRINKLER MAIN PIPING AS NEEDED TO ACCOMMODATE NEW CEILING GRID, HVAC LAYOUT, AND WALL LAYOUTS. CONTRACTOR TO PROVIDE NEW PIPING AND HEADS AS NEEDED TO PROVIDE A FULLY SUPPRESSED BUILDING PER NFPA 13 2016 REQUIREMENTS.

LEGEND:  
PROVIDE NEW FLEXIBLE BRAIDED PIPING AND INSTALL SPRINKLER HEADS IN NEW CEILING AS REQUIRED TO ACCOMMODATE RECONFIGURED CEILING LAYOUT. REPLACE DAMAGED SPRINKLER HEADS AS REQUIRED. ALL NEW PIPING AND HEADS ARE TO BE PROVIDED AND INSTALLED IN ACCORDANCE WITH NFPA 13-2016.



CODE REVIEW:

CERTIFICATE:

SPIEZZE ARCHITECTURAL GROUP INC.  
1385 YARDVILLE HAMILTON SQUARE ROAD  
HAMILTON, NJ 08611  
PHONE: 609-695-7400

SIGNATURE:  
THOMAS L. PERINO  
SCOTTE COONE  
STEVEN LEONE  
STEVEN BIESEL  
ANGELO ALBERTO  
JANE WISNET  
SPIEZZE ARCHITECTURAL GROUP, INC.

CONSULTANTS:  
  
SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Shepley Pkwy, Suite 200  
Blue Bell, PA 19422  
SBN Job #2040A  
Certificate of Authorization: 24GA02014000

RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

PROJECT:  
SOM THIRD FLOOR RENOVATIONS  
42 E. LAUREL ROAD #1718  
STRATFORD, NJ 08084  
ROWAN UNIVERSITY  
201 MULICA HILL ROAD  
GLASSBORO, NEW JERSEY 08028

FOR CODE REVIEW: 07/22/2022

REVISIONS:  
REVISION NAME DATE

FOR BID: 07/22/2022

DRAWING TITLE:  
THIRD FLOOR FIRE PROTECTION PLAN-DEMOLITION & NEW WORK

COMMISSION NUMBER:  
20U006

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:  
FP1.1



ABBREVIATIONS

GENERAL NOTES

GENERAL DEMOLITION NOTES

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.  
1386 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08691  
PHONE: 609-695-7400

SIGNATURE:

THOMAS L. PERINO 2140105460  
SCOTTE COONE 2140101640  
STEVEN L. BIESEL 2140101700  
ANGEL ALBERTO 2140101820  
JAMES WRIGHT 2140101910  
SPIEZLE ARCHITECTURAL GROUP, INC. 2140100000

CONSULTANTS:



SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Shepley Place, Suite 200 P: 215.886.8947  
Blue Bell, PA 19422 F: 215.886.8956  
SBN Job #2040A www.schillerherh.com  
Certificate of Authorization: 24GCA0814000

SEAL:

RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

PROJECT:

SOM THIRD FLOOR  
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42 E. LAUREL ROAD #1718  
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REVISIONS:

| REVISION NAME | DATE |
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FOR BID:

07/22/2022

DRAWING TITLE:

MECHANICAL  
COVER SHEET

COMMISSION NUMBER:

20U006

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

MO.1

- THE FOLLOWING NOTES APPLY TO ALL MECHANICAL DRAWINGS.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE 2018 AND ALL OTHER APPLICABLE CODES AND STANDARDS.
- MECHANICAL CONTRACTOR SHALL ENSURE 36" MIN. CLEARANCE IN FRONT OF ALL ACCESS PANELS.
- ALL DRAWINGS ARE DIAGRAMMATIC. MECHANICAL CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES AND LOCATIONS PRIOR TO THE START OF CONSTRUCTION. WHEN CONFLICTS ARISE, MAKE ANY NECESSARY CHANGES TO ROUTING OF DUCTWORK AND PIPING AT NO ADDITIONAL COST.
- ALL FLOOR MOUNTED HVAC EQUIPMENT SHALL BE INSTALLED ON 4" HIGH CONCRETE HOUSEKEEPING PADS PROVIDED BY THE MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING COORDINATION DRAWINGS SHOWING ALL TRADES. NO EQUIPMENT, PIPING, DUCTWORK, ETC. IS TO BE INSTALLED WITHOUT APPROVAL BY THE ENGINEER.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- SCHEDULES DO NOT REPRESENT EQUIPMENT QUANTITIES. REFER TO THE PLANS FOR ACTUAL QUANTITIES.
- DUCT SIZES SHOWN ON DRAWINGS REFER TO INSIDE CLEAR DIMENSIONS UNLESS OTHERWISE NOTED.
- MECHANICAL CONTRACTOR SHALL PROVIDE FLEXIBLE CONNECTIONS AT ALL DUCTWORK TO EQUIPMENT CONNECTIONS.
- PROVIDE SUPPLY, RETURN AND EXHAUST DUCTWORK TRANSITIONS AS REQUIRED BY THE PLANS, SPECIFICATIONS, AND ACTUAL JOB CONDITIONS.
- COORDINATE ALL THERMOSTAT/TEMPERATURE SENSOR LOCATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
- MECHANICAL CONTRACTOR SHALL PROVIDE "UL" LISTED THROUGH PENETRATION FIRESTOP SYSTEMS WITH FIREPROOF SLEEVES AT ALL NEW PIPING PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.
- INDICATED DUCT AND PIPING ARE DIAGRAMMATIC. MECHANICAL CONTRACTOR SHALL DETERMINE ALL REQUIRED OFFSETS AND DIRECTION CHANGES BEFORE FABRICATION AND INSTALLATION TO AVOID INTERFERENCE WITH OTHER TRADES.
- UNLESS OTHERWISE NOTED, ALL DUCTWORK AND PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB/STEEL, WITH SPACE FOR INSULATION.
- MANUFACTURERS AND MODEL NUMBERS INDICATED ON THE PLANS, SCHEDULES AND SKETCHES ARE PROVIDED AS A BASIS OF DESIGN ONLY. BIDDERS SHALL REFER TO THE SPECIFICATIONS FOR A LISTING OF MULTIPLE ACCEPTABLE MANUFACTURERS FOR EACH OF THESE ITEMS. SIMILAR PRODUCTS FROM ANY OF THESE MANUFACTURERS MAY BE FURNISHED PROVIDED THEY MEET THE INTENT OF THE SPECIFICATIONS. ANY CHANGES TO THE DESIGN REQUIRED AS A RESULT OF A SUBSTITUTION ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- PROVIDE P-TRAP OF SUFFICIENT SEAL DEPTH TO OVERCOME UNIT STATIC PRESSURE ON ALL FAN COIL UNITS, BLOWER COIL UNITS, UNIT VENTILATORS AND AIR HANDLING UNITS.

LIST OF DRAWINGS

M0.1 MECHANICAL COVER SHEET  
DM1.1 THIRD FLOOR DEMOLITION WORK MECHANICAL FLOOR PLAN  
M1.1 THIRD FLOOR NEW WORK MECHANICAL FLOOR PLAN  
M2.1 MECHANICAL DETAILS & SCHEDULES

SYMBOL LEGEND


|  |  |  |  |  |  |  |   |  |                                 |  |                             |
|--|--|--|--|--|--|--|---|--|---------------------------------|--|-----------------------------|
|  | EQUIPMENT MARKER<br>(TYPE SF, NUMBER 1)  |  | OGEE OFFSET  |  | BALL VALVE   |  | PIPE REDUCER                              |  | DUAL TEMPERATURE SUPPLY PIPE    |  | DENOTES CONNECT TO EXISTING |
|  | SECTION INDICATOR<br>(SECTION 1 ON DWG M301)   |  | MITRE OFFSET   |  | LOCKSHIELD BALL VALVE  |  | PIPE FLANGE                               |  | DUAL TEMPERATURE RETURN PIPE    |  | DENOTES LIMIT OF DEMOLITION |
|  | DETAIL INDICATOR<br>(DETAIL 1 ON DWG M501)   |  | FLEXIBLE DUCT CONNECTION   |  | BUTTERFLY VALVE  |  | PIPE UNION                                |  | HEAT PUMP LOOP SUPPLY PIPE      |  | EXISTING WORK TO REMAIN     |
|  | KEY NOTE INDICATOR<br>(REFERS TO NOTES ON SAME SHEET)  |  | BELLMOUTH TAKE-OFF   |  | GATE VALVE   |  | Y-TYPE STRAINER                           |  | HEAT PUMP LOOP RETURN PIPE      |  | WORK TO BE REMOVED          |
|  | INSIDE DUCT DIMENSIONS<br>(IN INCHES, FIRST DIM AS VIEWED)<br>DASHED LINED INDICATES INTERNAL LINING |  | FLEXIBLE DUCT  |  | OS&Y GATE VALVE  |  | FUNNEL DRAIN                              |  | HIGH PRESSURE STEAM SUPPLY PIPE |  | NEW WORK                    |
|  | RECTANGULAR SUPPLY DUCT TURNED UP  |  | BELLMOUTH TAKE-OFF   |  | GLOBE VALVE  |  | RELIEF VALVE                              |  | HOT WATER SUPPLY PIPE           |  |                             |
|  | RECTANGULAR SUPPLY DUCT TURNED DOWN  |  | DUCT TO OFFSET UP<br>IN DIRECTION OF ARROW<br>TO AVOID OBSTRUCTION   |  | PLUG VALVE   |  | AIR VENT                                  |  | HOT WATER RETURN PIPE           |  |                             |
|  | ROUND DUCT TURNED UP   |  | FLEXIBLE DUCT  |  | 3-WAY CONTROL VALVE  |  | THERMOMETER IN THERMOWELL                 |  | FUEL OIL SUPPLY PIPE            |  |                             |
|  | ROUND DUCT TURNED DOWN   |  | FIRE DAMPER  |  | 2-WAY CONTROL VALVE  |  | PRESSURE GAUGE W/SHUTOFF COCK             |  | FUEL OIL RETURN PIPE            |  |                             |
|  | RECTANGULAR RETURN/EXHAUST DUCT TURNED UP  |  | SMOKE DAMPER   |  | PRESSURE REDUCING VALVE                                      |  | PRESSURE GAUGE W/SNUBBER AND SHUTOFF COCK |  | LOW PRESSURE STEAM SUPPLY PIPE  |  |                             |
|  | RECTANGULAR RETURN/EXHAUST DUCT TURNED DOWN  |  | BACKDRAFT DAMPER   |  | GAS PRESSURE REGULATOR                                       |  | PRESSURE GAUGE W/SYPHON AND SHUTOFF COCK  |  | LOW PRESSURE STEAM RETURN PIPE  |  |                             |
|  | SQUARE ELBOW WITH TURNING VANE   |  | MOTORIZED ATC DAMPER   |  | CHECK VALVE  |  | TEMPERATURE AND PRESSURE PORT             |  | PUMPED STEAM CONDENSATE         |  |                             |
|  | ROUND ELBOW OR RADIUS ELBOW  |  | COMBINATION FIRE/SMOKE DAMPER  |  | CALIBRATED BALANCING VALVE                                   |  | FLEXIBLE PIPE CONNECTION                  |  | COOLING COIL CONDENSATE DRAIN   |  |                             |
|  |  |  | MANUAL VOLUME DAMPER   |  | AUTOMATIC FLOW CONTROL VALVE                                 |  | PIPE CAP                                  |  | PREHEAT SUPPLY PIPE             |  |                             |
|  |  |  | GRILLE, REGISTER, DIFFUSER<br>(GRD) MARKER<br>(TAG A, 8" NECK, 200 CFM)<br>S=SUPPLY<br>R=RETURN<br>E=EXHAUST<br>T=TRANSFER |  | TRIPLE DUTY VALVE<br>(COMBINATION CHECK, BALANCING, SHUTOFF) |  | PIPE TURNED DOWN                          |  | PREHEAT RETURN PIPE             |  |                             |
|  |  |  | SUPPLY AIR DIFFUSER<br>(BLACK TRIANGLE INDICATES BLANK-OFF)  |  | PIPE ANCHOR  |  | PIPE TURNED UP                            |  | REHEAT SUPPLY PIPE              |  |                             |
|  |  |  | SUPPLY AIR DIFFUSER W/RIGID ELBOW AT NECK  |  | PIPE EXPANSION JOINT/EXPANSION COMPENSATOR                   |  | TEE TURNED DOWN                           |  | REHEAT RETURN PIPE              |  |                             |
|  |  |  | RETURN/EXHAUST GRILLE OR REGISTER  |  | FLOW SWITCH  |  | TEE TURNED UP                             |  | PUMP                            |  |                             |
|  |  |  |  |  | PRESSURE SWITCH  |  | CARBON DIOXIDE SENSOR                     |  |                                 |  |                             |
|  |  |  |  |  | VENTURI FLOW MEASURING DEVICE                                |  | DOOR TO BE UNDERCUT 3/4"                  |  |                                 |  |                             |
|  |  |  |  |  | PITOT DEVICE   |  |   |  |                                 |  |                             |





|                                   |              |
|-----------------------------------|--------------|
| <b>SIGNATURE:</b>                 |              |
| THOMAS S. PERRINO                 | 21AB1505400  |
| SCOTT E. DOWNE                    | 21AB1957440  |
| STEVEN LEONE                      | 21AB1170100  |
| STEVEN G. SIEGEL                  | 21AB1564200  |
| ANGELO ALBERTO                    | 21AB19146700 |
| JOHN F. WRIGHT                    | 21AB1784200  |
| SPREZZI ARCHITECTURAL GROUP, INC. | 21AC20063000 |

**CONSULTANTS:**



**SCHILLER AND HERSH ASSOCIATES, INC.**  
**Consulting MEP Engineers**

|  |  |
|--|--|
| 636 Shipnock Pike, Suite 200<br>Blue Bell, PA 19422<br>5811 Job #2040A | P: 215.886.8947<br>F: 215.886.8956<br><a href="http://www.schillerhersh.com">www.schillerhersh.com</a> |
|--|--|

Certificate of Authorization: 24GA28014000

RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

## SOM THIRD FLOOR RENOVATIONS

42 E. LAUREL ROAD #1718  
STRATFORD, NJ 08084

ROWAN UNIVERSITY

201 MULLICA HILL ROAD  
GLASSBORO, NEW JERSEY 08028

FOR CODE REVIEW: 07/22/2022

| # | REVISION NAME | DATE |
|---|---------------|------|
|---|---------------|------|

FOR BID: 07/22/2022

DRAWING TITLE:

### THIRD FLOOR NEW WORK MECHANICAL FLOOR PLAN

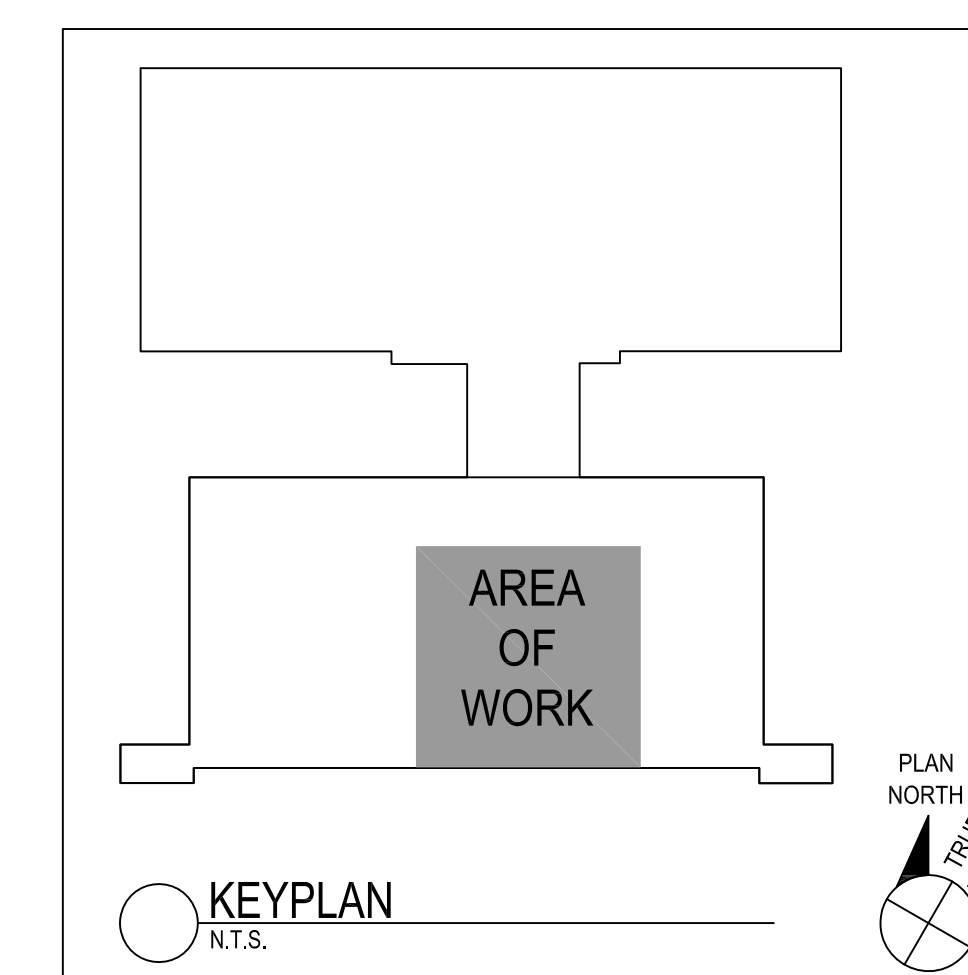
COMMISSION NUMBER:

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DO NOT SCALE THE DRAWINGS

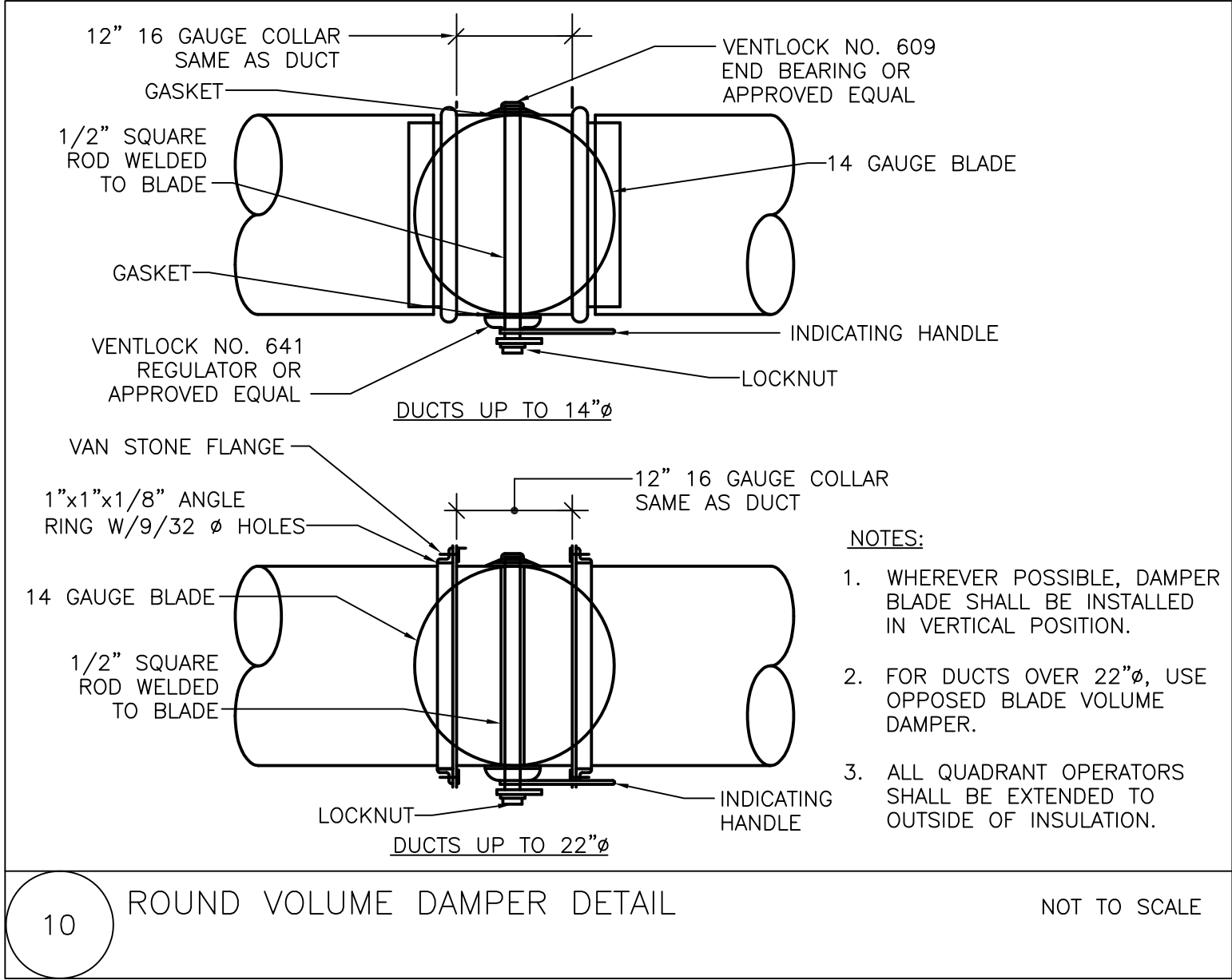
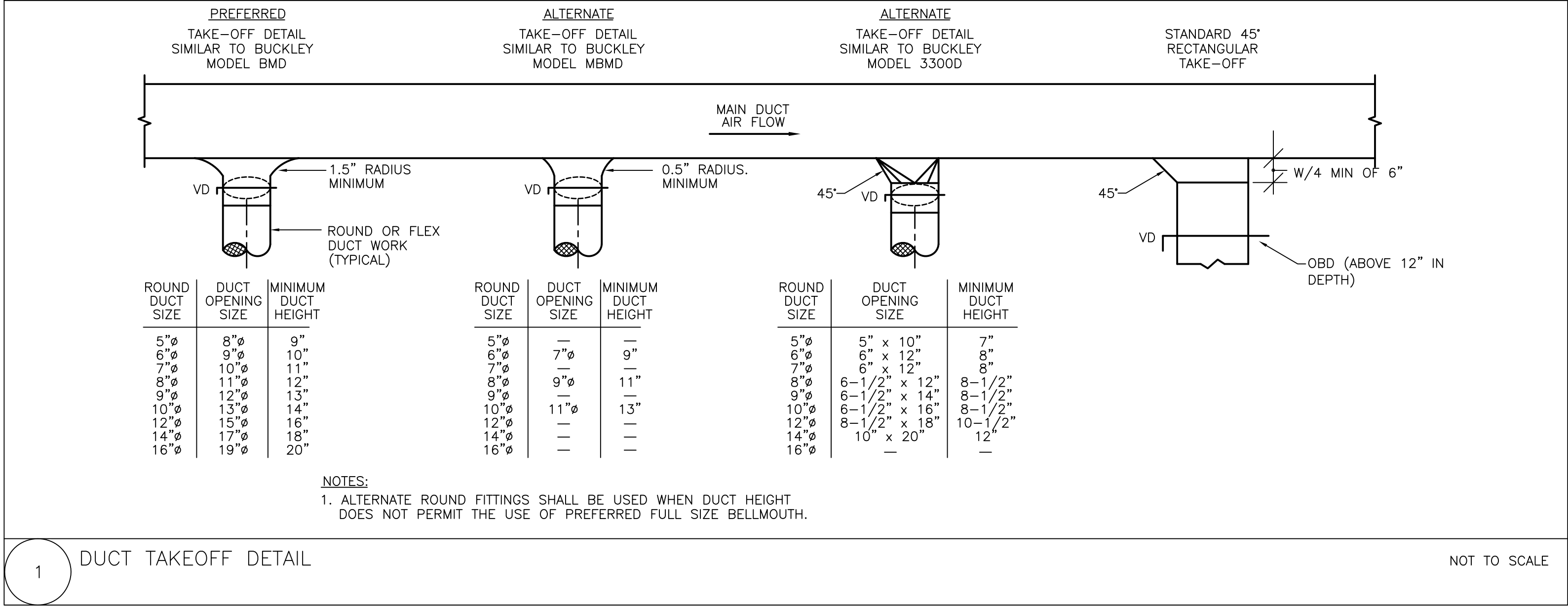
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NUMBER-

## M1.1





1"=1'-0"  
3"=1'-0"  
1 1/2"=1'-0"  
1"=1'-0"  
3/4"=1'-0"  
1/2"=1'-0"  
3/8"=1'-0"  
1/4"=1'-0"  
1/8"=1'-0"  
1/16"=1'-0"



| VENTILATION SCHEDULE-EXISTING HEAT PUMP 316 |   |   |  |                           |                          |                          |                                   |  |  |   |   |  |              |         |   |
|---|---|---|--|---------------------------|--------------------------|--------------------------|-----------------------------------|--|--|---|---|--|--------------|---------|---|
| ROOM NAME                                   | IMC 2018<br>OCCUPANCY<br>CLASSIFICATION | NET FLOOR<br>AREA<br>(SQUARE<br>FEET)<br>Az | INTERNATIONAL MECHANICAL CODE 2018 TABLE 403.3 |                           |                          |                          |                                   |  | BREATHING<br>ZONE<br>OUTSIDE<br>AIR, Vbz | REQUIRED<br>ZONE<br>OUTSIDE<br>AIR, Voz | SUPPLY<br>CFM TO<br>SPACE,<br>Vpz OR<br>Vdz | ZONE AIR<br>DISTRIBUTION<br>EFFECTIVENESS,<br>Ez | SERVED<br>BY | REMARKS |   |
|   |   |   | OCCUPANT<br>DENSITY (PER<br>1000 SF)           | NUMBER<br>OF<br>OCCUPANTS | ZONE<br>POPULATION<br>Pz | NUMBER<br>OF<br>FIXTURES | EXHAUST AIR<br>CFM PER<br>FIXTURE | OUTSIDE AIR<br>CFM PER<br>SQUARE<br>FOOT |  |   |   |  |              |         | OUTSIDE AIR<br>CFM PER<br>PERSON,<br>Rp |
| CLINICAL SKILLS 3715A                       | CONFERENCE/MEETING                      | 1102  | 50   | 25                        | 25                       | N/A                      | N/A                               | N/A                                      | 5  | 0.06                                    | 195   | 245  | 1070         | 0.8     | (E)DOAS 1, 2                            |
| BASIC EXAM 3719                             | OFFICE SPACE                            | 130   | 5  | 2                         | 2                        | N/A                      | N/A                               | N/A                                      | 5  | 0.06                                    | 20  | 25   | 120          | 0.8     | (E)DOAS 1, 2                            |
| ACUTE CARE 3720                             | OFFICE SPACE                            | 162   | 5  | 2                         | 2                        | N/A                      | N/A                               | N/A                                      | 5  | 0.06                                    | 20  | 25   | 140          | 0.8     | (E)DOAS 1, 2                            |

1. ACTUAL VENTILATION AIR SUPPLIED TO SPACES SERVED BY COMMON SYSTEM CALCULATED IN ACCORDANCE WITH IMC 2018 403.3.1, EQUATION 4-8. SEE CALCULATIONS ON THIS SHEET.  
2. ZONE POPULATION BY NUMBER OF SEATS IN ROOM WHICH WILL BE THE ACTUAL POPULATION IN THE ROOM.
- GENERAL NOTES: CALCULATED AIRFLOWS IN VENTILATION SCHEDULE ABOVE ARE BASED ON THE FOLLOWING:  $V_{bz}=R_pP_z + R_oA_z$  (EQUATION 4-1 IMC 2018),  $V_{oz}=V_{bz}/E_z$  (EQUATION 4-2 IMC 2018) WHERE  $E_z$  IS DETERMINED FROM TABLE 403.3.1.1.1.2 IN IMC 2018, AND  $V_{pz}$  IS DETERMINED FROM LOAD CALCULATIONS FOR CLIMATE ZONE 4A INDICATED IN ASHRAE 90.1-2013 THAT WERE PERFORMED IN ACCORDANCE WITH ASHRAE STANDARDS.

| VENTILATION SCHEDULE-EXISTING HEAT PUMP 326 |   |   |  |                           |                          |                          |                                   |                           |  |   |   |  |              |         |                          |
|---|---|---|--|---------------------------|--------------------------|--------------------------|-----------------------------------|---------------------------|--|---|---|--|--------------|---------|--------------------------|
| ROOM NAME                                   | IMC 2018<br>OCCUPANCY<br>CLASSIFICATION | NET FLOOR<br>AREA<br>(SQUARE<br>FEET)<br>Az | INTERNATIONAL MECHANICAL CODE 2018 TABLE 403.3 |                           |                          |                          |                                   |                           | BREATHING<br>ZONE<br>OUTSIDE<br>AIR, Vbz | REQUIRED<br>ZONE<br>OUTSIDE<br>AIR, Voz | SUPPLY<br>CFM TO<br>SPACE,<br>Vpz OR<br>Vdz | ZONE AIR<br>DISTRIBUTION<br>EFFECTIVENESS,<br>Ez | SERVED<br>BY | REMARKS |                          |
|   |   |   | OCCUPANT<br>DENSITY (PER<br>1000 SF)           | NUMBER<br>OF<br>OCCUPANTS | ZONE<br>POPULATION<br>Pz | NUMBER<br>OF<br>FIXTURES | EXHAUST AIR<br>CFM PER<br>FIXTURE | CFM PER<br>SQUARE<br>FOOT |  |   |   |  |              |         | CFM PER<br>PERSON,<br>Rp |
| VIEWING 3715B                               | OFFICE SPACE                            | 206   | 5  | 4                         | 4                        | N/A                      | N/A                               | N/A                       | 5  | 0.06                                    | 35  | 45   | 350          | 0.8     | (E)DOAS 1, 2             |
| BASIC EXAM 3711                             | OFFICE SPACE                            | 130   | 5  | 2                         | 2                        | N/A                      | N/A                               | N/A                       | 5  | 0.06                                    | 20  | 25   | 120          | 0.8     | (E)DOAS 1, 2             |
| ACUTE CARE 3710                             | OFFICE SPACE                            | 162   | 5  | 2                         | 2                        | N/A                      | N/A                               | N/A                       | 5  | 0.06                                    | 20  | 25   | 140          | 0.8     | (E)DOAS 1, 2             |
| PASSAGE 3700D                               | CORRIDORS                               | 283   | 0  | 0                         | 0                        | N/A                      | N/A                               | N/A                       | 0  | 0.06                                    | 20  | 25   | 100          | 0.8     | (E)DOAS 1, 2             |

1. ACTUAL VENTILATION AIR SUPPLIED TO SPACES SERVED BY COMMON SYSTEM CALCULATED IN ACCORDANCE WITH IMC 2018 403.3.1, EQUATION 4-8. SEE CALCULATIONS ON THIS SHEET.  
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VENTILATION CALCULATIONS - EXISTING HEAT PUMP 316: CAV SYSTEM

CALCULATIONS PERFORMED AT SYSTEM AIRFLOW

TOTAL SYSTEM SUPPLY AIR ( $V_{pz}$ ): 1,330  
UNCORRECTED SUM OF OA FOR ALL SPACES ( $V_{ou}$ ): 235  
AVERAGE OUTDOOR AIR FRACTION ( $X_s$ ): 0.177  
SYSTEM VENTILATION EFFICIENCY ( $E_v$ ): 0.948  
DESIGN OUTDOOR AIRFLOW ( $V_{ot}$ ): 250

EQUATION 4-8 IMC 2018:  $V_{ot} = V_{ou}/E_v$

$$V_{ot} = 235/0.948$$
$$V_{ot} = 250$$

CORRECTED SYSTEM MIN OA ( $V_{ot}$ ): 250 CFM  
ACTUAL (E)SYSTEM DESIGN OA = 250 CFM

AVERAGE OUTDOOR AIR FRACTION:  $X_s = V_{ou}/V_{pz}$

$$X_s = 235/1330$$
$$X_s = 0.177$$

VENTILATION CALCULATIONS - EXISTING HEAT PUMP 326: CAV SYSTEM

CALCULATIONS PERFORMED AT SYSTEM AIRFLOW

TOTAL SYSTEM SUPPLY AIR ( $V_{pz}$ ): 710  
UNCORRECTED SUM OF OA FOR ALL SPACES ( $V_{ou}$ ): 95  
AVERAGE OUTDOOR AIR FRACTION ( $X_s$ ): 0.134  
SYSTEM VENTILATION EFFICIENCY ( $E_v$ ): 0.884  
DESIGN OUTDOOR AIRFLOW ( $V_{ot}$ ): 110

EQUATION 4-8 IMC 2018:  $V_{ot} = V_{ou}/E_v$

$$V_{ot} = 95/0.884$$
$$V_{ot} = 110$$

CORRECTED SYSTEM MIN OA ( $V_{ot}$ ): 110 CFM  
ACTUAL (E)SYSTEM DESIGN OA = 190 CFM

AVERAGE OUTDOOR AIR FRACTION:  $X_s = V_{ou}/V_{pz}$

$$X_s = 95/710$$
$$X_s = 0.134$$

CODE REVIEW:

CERTIFICATE:



SPIEZIE ARCHITECTURAL GROUP INC.  
1386 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08691  
PHONE: 609-695-7400

SIGNATURE:

THOMAS L. PIERINO 2140105460  
SCOTTE ZONNE 2140101460  
STEVEN LEONE 2140101700  
STEVEN S. BESEL 2140100900  
ANGELO ALBERTO 2140101010  
JOHN WRIGHT 2140104000  
SPIEZIE ARCHITECTURAL GROUP, INC. 2140100000

CONSULTANTS:



SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Shepley Pkwy, Suite 200 P 215.886.8947  
Blue Bell, PA 19422 F 215.886.8956  
SBA# 105 #2040A www.schillerherh.com  
Certificate of Authorization: 24GA02014000

SEAL:

RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

PROJECT:

SOM THIRD FLOOR  
RENOVATIONS

42 E. LAUREL ROAD #1718  
STRATFORD, NJ 08084

ROWAN UNIVERSITY

201 MULICA HILL ROAD  
GLASSBORO, NEW JERSEY 08028

FOR CODE REVIEW:

07/22/2022

REVISIONS:

| REVISION NAME | DATE |
|---------------|------|
|---------------|------|

FOR BID:

07/22/2022

DRAWING TITLE:

MECHANICAL  
DETAILS &  
SCHEDULES

COMMISSION NUMBER:

20U006

DO NOT SCALE THE DRAWINGS

DRAWING  
NUMBER:

M2.1



3"=1'-0"

1 1/2"=1'-0"

1"=1'-0"

3/4"=1'-0"

1/2"=1'-0"

3/4"=1'-0"

1/4"=1'-0"

1/8"=1'-0"

1/16"=1'-0"

ABBREVIATIONS

|       |                                  |     |                      |
|-------|----------------------------------|-----|----------------------|
| AB    | ABANDONED                        | R   | REMOVE               |
| AD    | AREA DRAIN                       | RD  | ROOF DRAIN           |
| AFF   | ABOVE FINISHED FLOOR             | RWC | RAIN WATER CONDUCTOR |
| BFP   | BACK FLOW PREVENTER              | SA  | SHOCK ABSORBER       |
| CA    | COMPRESSED AIR                   | SAN | SANITARY             |
| CO    | CLEAN OUT                        | SS  | SERVICE SINK         |
| CW    | DOMESTIC COLD WATER              | SH  | SHOWER               |
| DF    | DRINKING FOUNTAIN                | SK  | SINK                 |
| DN    | DOWN                             | ST  | STORM                |
| DW    | DISHWASHER                       | SW  | SAFE WASTE           |
| (E)   | EXISTING                         | TW  | TEMPERED WATER       |
| EC    | ELECTRICAL CONTRACTOR            | UR  | URINAL               |
| EW    | ELECTRIC WATER COOLER            | VTR | VENT THRU ROOF       |
| FAI   | FRESH AIR INLET                  | V   | VENT                 |
| (F)FD | FUTURE FLOOR DRAIN               | W   | WASTE                |
| FD-A  | FLOOR DRAIN (A - INDICATES TYPE) | WC  | WATER CLOSET         |
| FU    | FIXTURE UNIT                     | WCO | WALL CLEANOUT        |
| GC    | GENERAL CONTRACTOR               | WH  | WALL HYDRANT         |
| G     | GAS                              |     |                      |
| HB    | HOSE BIBB                        |     |                      |
| HW    | DOMESTIC HOT WATER               |     |                      |
| HHW   | HOT WATER HEATER                 |     |                      |
| HWR   | DOMESTIC HOT WATER RECIRCULATION |     |                      |
| IW    | INDIRECT WASTE                   |     |                      |
| LAV   | LAVATORY                         |     |                      |
| MAX   | MAXIMUM                          |     |                      |
| MIN   | MINIMUM                          |     |                      |
| MC    | MECHANICAL CONTRACTOR            |     |                      |
| MH    | MANHOLE                          |     |                      |
| MR    | MOP RECEPTOR                     |     |                      |
| N     | NEW WORK                         |     |                      |
| NC    | NORMALLY CLOSED                  |     |                      |
| NO    | NORMALLY OPEN                    |     |                      |
| NTS   | NOT TO SCALE                     |     |                      |
| NIC   | NOT IN CONTRACT                  |     |                      |
| OFD   | OVERFLOW DRAIN                   |     |                      |
| OS&Y  | OUTSIDE SCREW & YOKE GATE VALVE  |     |                      |
| PC    | PLUMBING CONTRACTOR              |     |                      |
| PRV   | PRESSURE REDUCING VALVE          |     |                      |

GENERAL NOTES

1. THE FOLLOWING NOTES APPLY TO ALL PLUMBING DRAWINGS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL STANDARD PLUMBING CODE 2018 AND ALL OTHER APPLICABLE CODES AND STANDARDS.
3. ALL DRAWINGS ARE DIAGRAMMATIC. PLUMBING CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.
4. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES AND LOCATIONS PRIOR TO THE START OF CONSTRUCTION. WHEN CONFLICTS ARISE, MAKE ANY NECESSARY CHANGES TO ROUTING OF DUCTWORK PIPING AT NO ADDITIONAL COST.
5. ALL FLOOR MOUNTED WATER HEATERS SHALL BE INSTALLED ON 4" HIGH CONCRETE HOUSEKEEPING PADS PROVIDED BY THE PLUMBING CONTRACTOR.
6. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
7. SCHEDULES DO NOT REPRESENT EQUIPMENT QUANTITIES. REFER TO THE PLANS FOR ACTUAL QUANTITIES.
8. PLUMBING CONTRACTOR SHALL PROVIDE FIREPROOF PIPE SLEEVES AT ALL NEW PIPING PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.
9. FIEND COORDINATE DOMESTIC WATER OUTLET BOX LOCATIONS WITH EQUIPMENT CONNECTIONS.
10. MANUFACTURERS AND MODEL NUMBERS INDICATED ON THE PLANS, SCHEDULES AND SKETCHES ARE PROVIDED AS A BASIS OF DESIGN ONLY. BIDDERS SHALL REFER TO THE SPECIFICATIONS FOR A LISTING OF MULTIPLE ACCEPTABLE MANUFACTURERS FOR EACH OF THESE ITEMS. SIMILAR PRODUCTS FROM ANY OF THESE MANUFACTURERS MAY BE FURNISHED PROVIDED THEY MEET THE INTENT OF THE SPECIFICATIONS. ANY CHANGES TO THE DESIGN REQUIRED AS A RESULT OF A SUBSTITUTION ARE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.

GENERAL DEMOLITION NOTES

1. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
2. DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.
3. PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER OPT TO KEEP ANY MATERIALS, THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE, ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, SHALL BE REMOVED FROM THE SITE, AND BE DISPOSED OF IN A LEGAL MANNER.
4. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.
5. MAINTAIN EXISTING UTILITIES INDICATED OR WHERE REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.
6. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.
7. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.
8. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.
9. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.
10. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED, IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, THEY SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ENGINEER FOR DIRECTIONS.
11. EXTREME CARE SHALL BE EXERCISED FOR ALL EXISTING ITEMS THAT ARE TO REMAIN IN SERVICE UNTIL NEW ITEMS ARE INSTALLED FOR THE SAME SERVICE. ALL SHUTDOWNS OF ANY SYSTEM SHALL BE COORDINATED WITH THE OWNER.
12. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.  
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SUITE 2A  
HAMILTON, NJ 08691  
PHONE: 609-695-7400

SIGNATURE:  
THOMAS L. PIERRO 2140105460  
SCOTTE COOME 2140101440  
STEVEN LEONE 2140117100  
STEVEN S. BESEL 2140100400  
ANGELO ALBERTO 2140101010  
JOHN WISNET 2140179400  
SPIEZLE ARCHITECTURAL GROUP, INC. 2140200300

CONSULTANTS:



SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Shiprock Pkwy, Suite 200 P: 215.886.8947  
Blue Bell, PA 19422 F: 215.886.8956  
SBA# Job #2040A www.schillerherh.com  
Certificate of Authorization: 24GA02014000  
SEAL:

RICHARD L. DELP, P.E.  
New Jersey Professional Engineer  
NO. GE45368

PROJECT:  
  
SOM THIRD FLOOR RENOVATIONS  
  
42 E. LAUREL ROAD #1718  
STRATFORD, NJ 08084  
  
ROWAN UNIVERSITY  
  
201 MULlica HILL ROAD  
GLASSBORO, NEW JERSEY 08028

FOR CODE REVIEW: 07/22/2022

|            |                    |
|------------|--------------------|
| REVISIONS: |                    |
|            | REVISION NAME DATE |

FOR BID: 07/22/2022

DRAWING TITLE:  
  
PLUMBING COVER SHEET

COMMISSION NUMBER:  
  
20U006

DO NOT SCALE THE DRAWINGS  
DRAWING NUMBER:  
  
P0.1

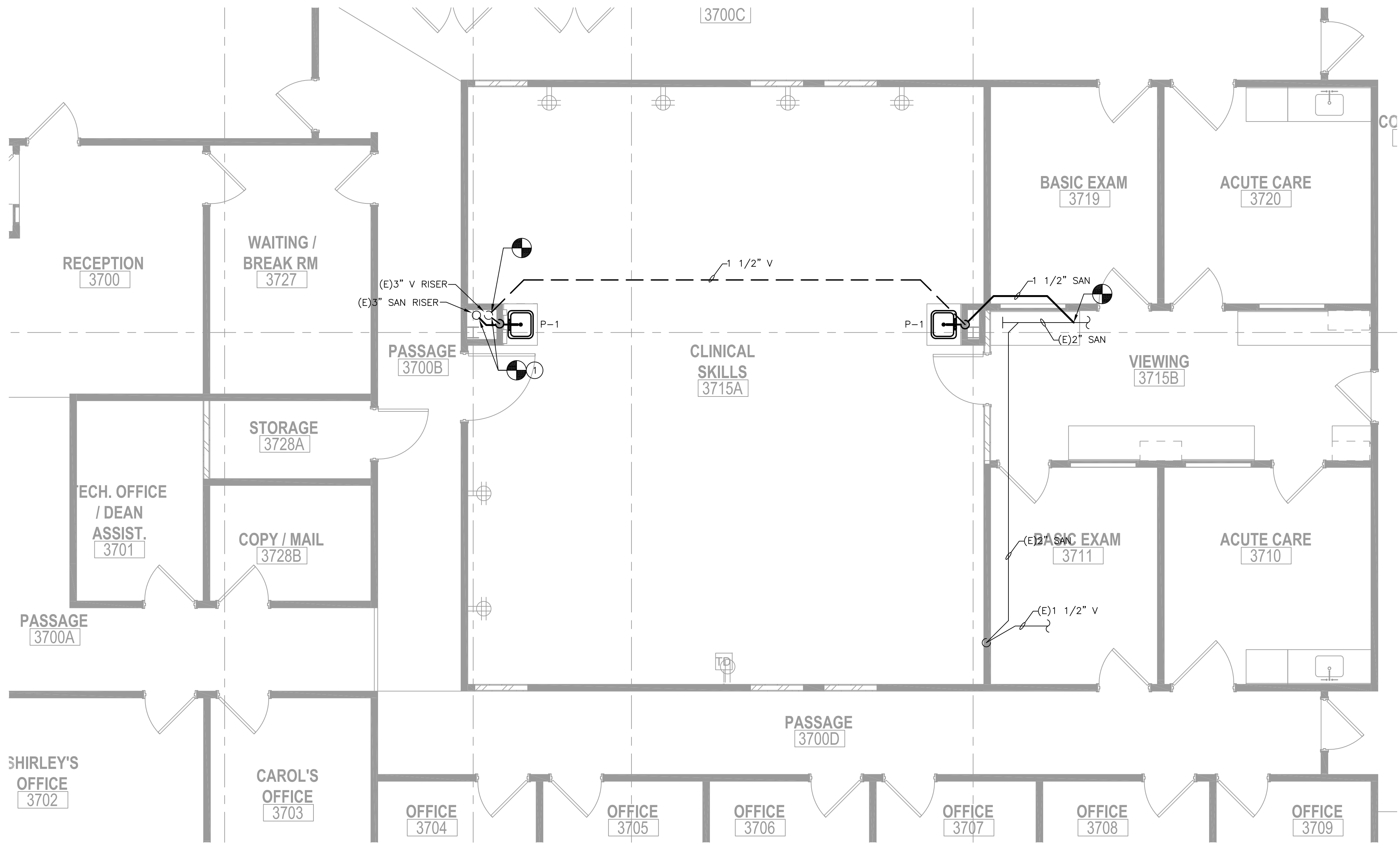
SYMBOL LEGEND

|  |   |  |                                |
|--|---|--|--------------------------------|
|  | DOMESTIC COLD WATER                         |  | HOSE BIBB                      |
|  | DOMESTIC HOT WATER                          |  | WALL HYDRANT                   |
|  | DOMESTIC HOT WATER RECIRCULATION            |  | CHECK VALVE                    |
|  | NATURAL GAS PIPING                          |  | RELIEF VALVE                   |
|  | PROPANE LINE                                |  | GAUGE WITH COCK                |
|  | RAIN WATER CONDUCTOR                        |  | CAPPED LINE                    |
|  | TEMPERED WATER                              |  | DRAIN VALVE WITH HOSE THREAD   |
|  | SANITARY LINE                               |  | CIRCUIT SETTER                 |
|  | CONDENSATE DRAIN                            |  | SELF CONTAINED TEMPERING VALVE |
|  | VENT LINE                                   |  | EXISTING WORK TO REMAIN        |
|  | BACK FLOW PREVENTER                         |  | WORK TO BE REMOVED             |
|  | OS & Y VALVE<br>(M DENOTES MONITORED VALVE) |  | NEW WORK                       |
|  | GLOBE VALVE                                 |  | DENOTES CONNECT TO EXISTING    |
|  | BALL VALVE                                  |  | DENOTES LIMIT OF DEMOLITION    |
|  | MONITORED BALL VALVE                        |  |                                |
|  | BUTTERFLY VALVE                             |  |                                |
|  | MONITORED BUTTERFLY VALVE                   |  |                                |
|  | CLEAN OUT                                   |  |                                |
|  | CLEAN OUT                                   |  |                                |
|  | FLOW SWITCH                                 |  |                                |
|  | GAS COCK                                    |  |                                |
|  | SHOCK ABSORBER                              |  |                                |
|  | PRESSURE REDUCING VALVE                     |  |                                |

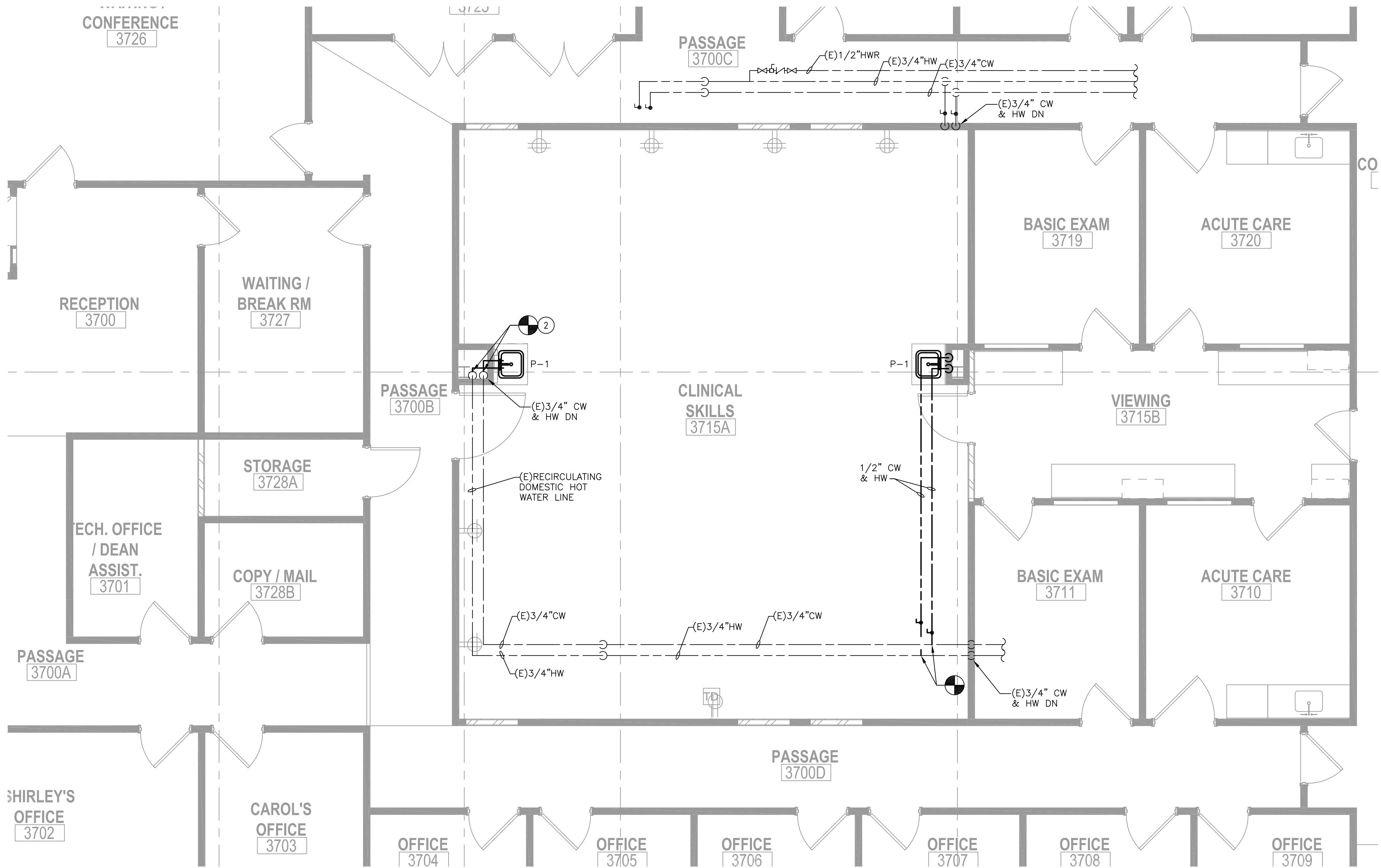
PLUMBING SCHEDULES

| PLUMBING FIXTURE SCHEDULE |             |             |      |        |        |      |      |         |   |
|---------------------------|-------------|-------------|------|--------|--------|------|------|---------|---|
| NO.                       | DESCRIPTION | MOUNTING    | TRAP | DRAIN  | VENT   | CW   | HW   | REMARKS | MANUFACTURER & MODEL NO.  |
| P-1                       | SINK        | UNDER MOUNT | "p"  | 1-1/2" | 1-1/2" | 1/2" | 1/2" | ADA     | JUST MODEL US-ADA-1618-16 UNDERMOUNT STAINLESS STEEL BOWL, 5-1/2" DEPTH. ZURN MODEL Z812B4-XL FAUCET COMPLETE W/4" WRISTBLADE HANDLES 1/2" LONG LAY SUPPLIES W/ ANGLE STOP, GRID DRAIN & TAILPIECE, TRAP & ESCUTCHEONS. |





1 THIRD FLOOR PLUMBING SANITARY NEW WORK PLAN  
SCALE: 1/4" = 1'-0"

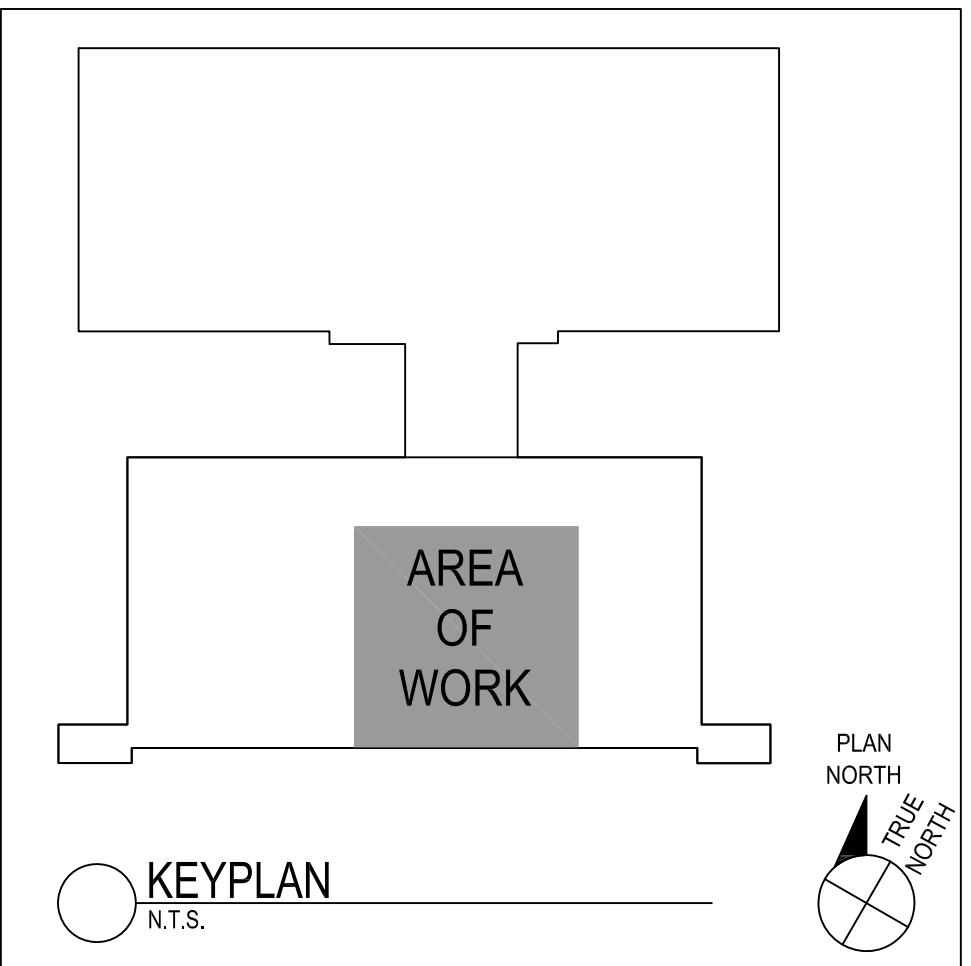


2 THIRD FLOOR PLUMBING DOMESTIC WATER NEW WORK PLAN  
SCALE: 1/4" = 1'-0"

- NOTES:
1. REFER TO DRAWING P0.1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
  2. ALL WORK SHOWN SHALL BE DEMOLITION UNLESS NOTED OTHERWISE AS EXISTING (E) OR RELOCATED (REL).
  3. CONTRACTOR IS RESPONSIBLE TO COORDINATE WORK REQUIRING ACCESS OF THE 2ND FLOOR CEILING BELOW THE RENOVATION AREA. THE CONTRACTOR SHALL REMOVE AND REINSTALL CEILING TILES, AS NECESSARY, FOR THE DEMOLITION AND NEW WORK OF PLUMBING PIPING IN THE 2ND FLOOR CEILING. CORE DRILLING THROUGH THE FLOOR AND PIPING WORK IN THE 2ND FLOOR CEILING SHALL BE PERFORMED DURING 2ND AND 3RD SHIFTS AND WEEKENDS. ALL 2ND FLOOR CEILINGS ARE TO BE CLOSED AND SPACES CLEAN AT THE START OF EACH BUSINESS DAY.
  4. CONTRACTOR IS RESPONSIBLE TO PATCH ALL HOLES OR OPENINGS IN (E) TO REMAIN WALLS AFTER DEMOLITION.
  5. CONTRACTOR IS RESPONSIBLE TO PATCH ALL HOLES OR OPENINGS IN (E) TO REMAIN FIRE RATED WALLS AFTER DEMOLITION, ABOVE AND BELOW CEILING, TO MAINTAIN INTEGRITY OF THE FIRE RATED WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED WALLS.

NEW WORK KEY NOTES:

- 1 OPEN UP CHASE AS REQUIRED TO CONNECT NEW 1-1/2" SANITARY AND VENT LINES SERVING NEW SINK TO THE EXISTING STACKS. PATCH CHASE ONCE NEW PIPING IS INSTALLED.
- 2 OPEN UP CHASE AS REQUIRED TO PROVIDE NEW 1/2" DOMESTIC COLD AND HOT WATER LINES TO NEW SINK P-1. PATCH CHASE ONCE NEW PIPING IS INSTALLED.



CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.  
1386 YARDVILLE HAMILTON SQUARE ROAD  
SUITE 2A  
HAMILTON, NJ 08691  
PHONE: 609-695-7400

SIGNATURE:  
THOMAS L. PERINO 214C055460  
SCOTTE COONE 214C051640  
STEVEN L. BESEL 214C015100  
ANGELA ALBERTO 214C051610  
JANE WRIGHT 214C078400  
SPIEZLE ARCHITECTURAL GROUP, INC. 214C000000

CONSULTANTS:



SCHILLER AND HERSH ASSOCIATES, INC.  
Consulting MEP Engineers  
636 Sheppard Pkwy. Suite 200 P: 215.886.8947  
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|---------------|------|

FOR BID:

07/22/2022

DRAWING TITLE:

THIRD FLOOR  
NEW WORK  
PLUMBING  
FLOOR PLANS

COMMISSION NUMBER:

20U006

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

P1.1