

HEART HOUSE RENOVATION

FOR

McKINLEY HALL

1911 EAST HIGH STREET SPRINGFIELD OHIO, 45505

ARCHITECT

McCALL SHARP ARCHITECTURE

14 EAST MAIN STREET, SUITE 201
 SPRINGFIELD, OHIO 45502
 (937) 323-4300

MEP ENGINEER

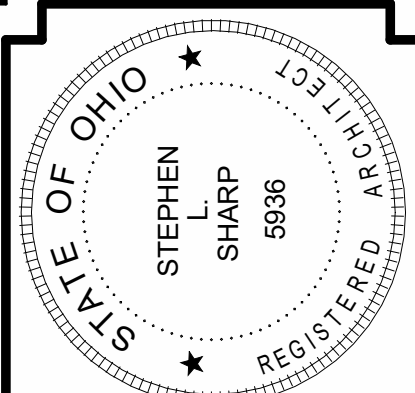
EM ENGINEERING GROUP, LTD.

625 EAST NORTH BROADWAY
 COLUMBUS, OHIO 43214
 (614) 225-1580

STRUCTURAL ENGINEER

EEMAN AND BLINN

1660 WARREN ROAD
 OSTRANDER, OHIO 43061
 (614) 325-5135

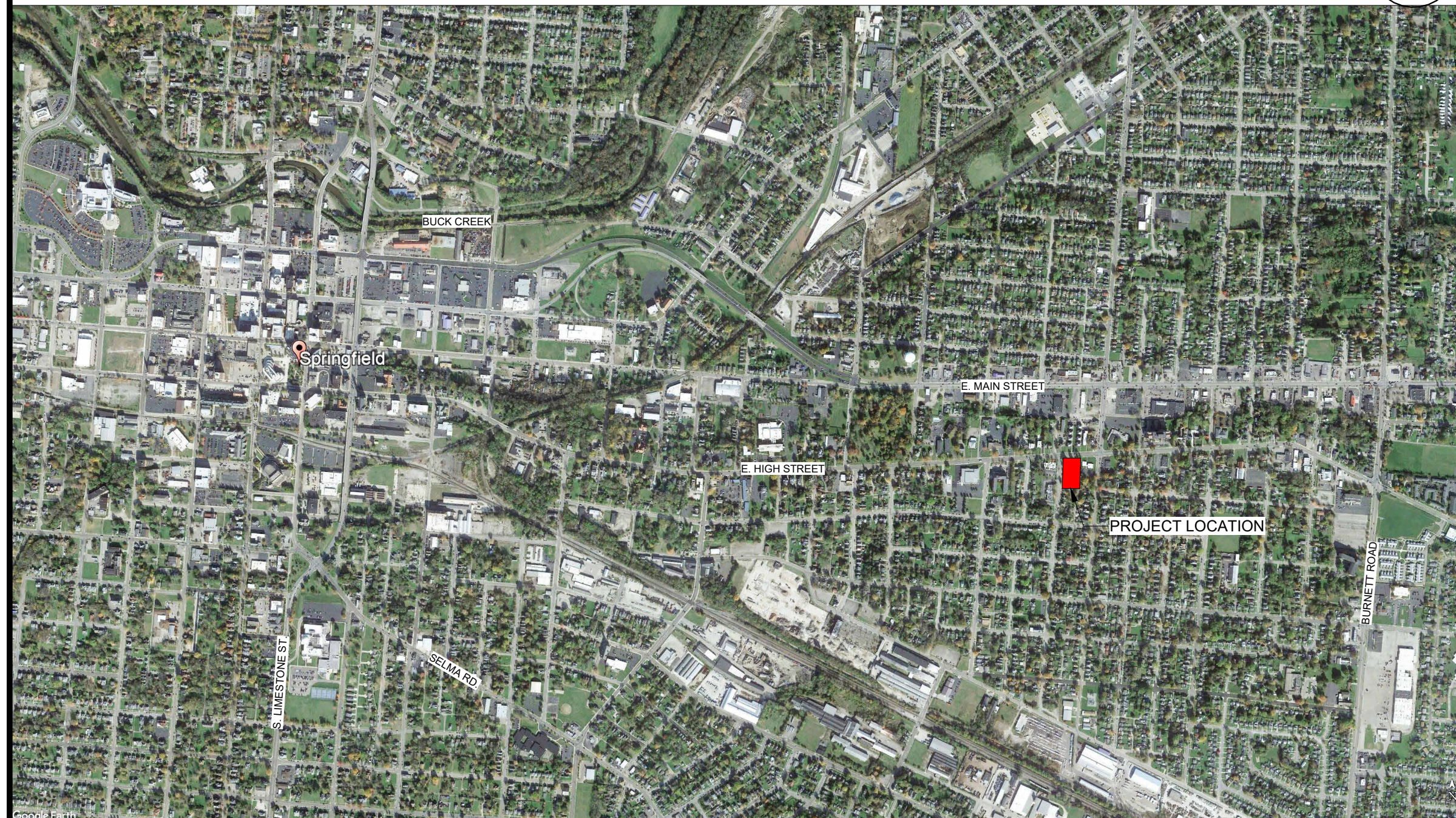


Stephen L. Sharp, License #5936
 Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/02/2024 | SUBMITTED FOR BID PERMIT |

McCall SHARP
 ARCHITECTURE
 SPRINGFIELD OFFICE
 14 EAST MAIN STREET, SUITE 201
 SPRINGFIELD, OHIO 45502
 P: (937)323-4300
 F: (937)322-8142

VICINITY MAP



SHEET INDEX

| | | | | | |
|------|------------------------------|------|--------------------------|-------|-----------------------------------------------|
| G1.0 | TITLE SHEET | A2.1 | FIRST FLOOR CEILING PLAN | FP1.0 | FIRE PROTECTION FLOOR PLAN |
| G1.1 | CODE INFORMATION | A2.2 | BASEMENT CEILING PLAN | FP1.1 | FIRE PROTECTION BASEMENT, DETAILS |
| G1.2 | GENERAL NOTES | A3.1 | EXTERIOR ELEVATIONS | P1.0 | PLUMBING SANITARY PLAN FIRST FLOOR |
| D1.1 | FIRST FLOOR DEMOLITION PLAN | A3.2 | EXTERIOR ELEVATIONS | P1.1 | PLUMBING SANITARY PLAN BASEMENT |
| D1.2 | BASEMENT DEMOLITION PLAN | A4.1 | BUILDING SECTIONS | P2.0 | PLUMBING WATER AND GAS PLAN FIRST FLOOR |
| S1 | FOUNDATION | A4.2 | BUILDING SECTIONS | P2.1 | PLUMBING WATER AND GAS PLAN BASEMENT |
| S2 | TRUSS FRAMING | A4.3 | BUILDING SECTIONS | H1.0 | HVAC PLAN BASEMENT AND CRAWLSPACE |
| S3 | ROOF FRAMING | A4.4 | BUILDING SECTIONS | H1.1 | HVAC PLAN FIRST FLOOR |
| S4 | STRUCTURAL GENERAL NOTES | A4.5 | BUILDING SECTIONS | H2.0 | HVAC ENLARGED PLAN BASEMENT |
| A0.1 | SITE PLAN | A4.6 | NEW STAIR DETAILS | H2.1 | HVAC ENLARGED PLAN CLINIC |
| A0.2 | SITE DETAILS | A5.1 | WALL SECTIONS | H2.2 | HVAC ENLARGED PLAN HOUSE 1 |
| A1.1 | FIRST FLOOR PLAN | A5.2 | SKYLIGHT DETAILS | H2.3 | HVAC ENLARGED PLAN HOUSE 2 |
| A1.2 | FLOOR PLAN CLINIC | A5.3 | ROOF DETAILS | H3.0 | HOOD DRAWINGS |
| A1.3 | FLOOR PLAN DWELLING UNIT 1 | A6.1 | INTERIOR ELEVATIONS | H3.1 | HOOD DRAWINGS |
| A1.4 | FLOOR PLAN DWELLING UNIT 2 | A6.2 | INTERIOR ELEVATIONS | H4.0 | HVAC SCHEDULES AND DETAILS |
| A1.5 | BASEMENT and CRAWLSPACE PLAN | A6.3 | INTERIOR ELEVATIONS | H4.1 | HVAC SCHEDULES |
| A1.6 | BASEMENT PLAN | A7.1 | ROOM FINISH SCHEDULE | H5.0 | HVAC ENERGY COMPLIANCE |
| A1.7 | ROOF PLAN | A7.2 | DOOR SCHEDULE | E1.0 | ELECTRICAL POWER PLAN FIRST FLOOR |
| | | A7.3 | WINDOW SCHEDULE | E1.1 | ELECTRICAL ENLARGED POWER PLAN CLINIC |
| | | A7.4 | DOOR AND WINDOW DETAILS | E1.2 | ELECTRICAL ENLARGED POWER PLAN HOUSE 1 |
| | | | | E1.3 | ELECTRICAL ENLARGED POWER PLAN HOUSE 2 |
| | | | | E1.4 | ELECTRICAL POWER PLAN BASEMENT AND CRAWLSPACE |
| | | | | E1.5 | ELECTRICAL ENLARGED POWER PLAN BASEMENT |
| | | | | E2.0 | ELECTRICAL LIGHTING PLAN FIRST FLOOR |
| | | | | E2.1 | ELECTRICAL ENLARGED LIGHTING PLAN BASEMENT |
| | | | | E3.0 | ELECTRICAL RISER DIAGRAM |

Heart House Renovation
 FOR
 McKinley Hall
 1911 East High Street Springfield Ohio
 TITLE SHEET

JOB NO: 2322

DRAWN BY: CG
 CHECKED BY: SLS
 Construction Documents

G1.0

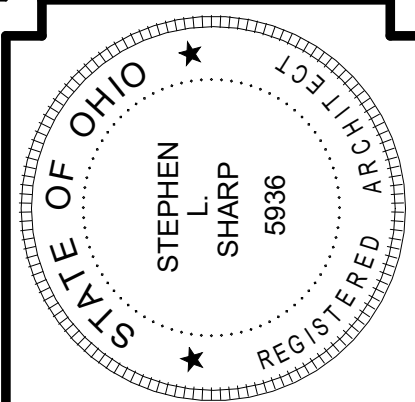
DATE: 2024-04-04
 PRINT DATE: 4/4/2024 4:09:58 PM

GENERAL NOTES

- GENERAL PROJECT NOTES APPLY TO ALL SHEETS.
- THESE DRAWINGS AND COPIES THEREOF ARE LEGAL INSTRUMENTS OF SERVICE FOR USE OF THE OWNER ONLY.
- ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS WHICH ARE NECESSITATED BY FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF STUDS, FACE OF CONCRETE WALLS, FACE OF FRAMES, OR CENTERLINE OF COLUMNS, UNLESS NOTED OTHERWISE. EXCEPTIONS INCLUDE CLEAR HOLD DIMENSIONS AND FINISHED FACE DIMENSIONS ON FLOOR PLAN AND REFLECTED CEILING PLAN.
- WALL TYPES ARE DESIGNATED ON SHEET A1.1.
- ALL WALLS SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
- PROVISIONS SHALL BE MADE AT ALL FULL-HT NONBEARING WALL FOR 1" VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH FIRE SAFING INSULATION OR FIRE STOPPING MATERIALS AS REQ'D TO MEET FIRE RATING OF RESPECTIVE WALLS.
- ALL PENETRATIONS THROUGH WALLS SHALL BE SEALED WITH FIRE STOPPING MATERIAL AS REQ'D TO ACHIEVE THE RESPECTIVE FIRE-RESISTIVE RATING AND SMOKE STOPPAGE.
- THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL WOOD BLOCKING IN STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS. I.E. TOILET ACCESSORIES, CABINETS, WALL-MOUNTED FIXTURES, ETC. GENERAL CONTRACTOR MUST VERIFY & PROVIDE RATED WOOD STUDS IN WALLS AS REQUIRED BY CODE.
- GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS AS PER MANUFACTURERS REQUIREMENTS AND INDUSTRY STANDARDS.
- THE CONTRACTOR SHALL INCLUDE ALL OWNER FURNISHED AND INSTALLED ITEMS AND OWNER FURNISHED AND CONTRACTOR INSTALLED ITEMS IN THE CONSTRUCTION, AND SHALL COORDINATE WITH THE OWNER TO ACCOMMODATE THESE ITEMS.
- SCRIBE GYPSUM BOARD OF WALL AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL TIGHTLY AROUND ANY PARTITIONS.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS WITHIN THE CURRENT EDITIONS OF ALL LOCAL CITY STATE AND FEDERAL APPLICABLE CODES ADOPTED BY THE LOCAL JURISDICTION. THIS INCLUDES BUT IS NOT LIMITED TO FIRE, SMOKE, AMERICANS WITH DISABILITIES ACT, EGRESS, MEDICAL GASES & LIFE SAFETY.
- EACH TRADE SHALL BE HELD RESPONSIBLE FOR KNOWLEDGE OF GENERAL NOTES INCLUDED THROUGHOUT THE CONTRACT DOCUMENTS AND THE APPLICABLE BLDG. CODES.
- ALL COLORS AND FINISH MATERIALS SHALL BE APPROVED BY THE OWNER AND OWNER'S AGENT. PROVIDE 6" X 6" SAMPLE FOR ALL STAINED WOOD TO ARCHITECT FOR APPROVAL.
- NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS, DO NOT SCALE DRAWINGS.
- THE HVAC, PLUMBING AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCH. DRAWINGS. SHOULD THERE BE ANY DISCREPANCY BETWEEN THE VARIOUS DRAWINGS, IT SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION.
- THE GENERAL CONTRACTOR SHALL COORDINATE WITH ROCKING HORSE COMMUNITY HEALTH CENTER EQUIPMENT SUPPLIER FOR INSTALLATION OF SPECIAL EQUIPMENT NOT SHOWN IN THESE DRAWINGS. THE GENERAL CONTRACTOR SHALL VERIFY EQUIPMENT LOCATIONS WITH THE ROCKING HORSE COMMUNITY HEALTH CENTER EQUIP. SUPPLIER AND/OR EQUIP. MANUFACTURER FOR PROPER SIZE AND LOCATION OF BLOCKING, BACKING AND UTILITY CONNECTIONS.
- IN THE EVENT DISCREPANCIES OR CONFLICTS ARISE AMONG DRAWINGS AND/OR OTHER DESCRIPTIONS CONTAINED HEREIN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- CONTRACTOR SHALL VISIT PROJECT SITE PRIOR TO SUBMITTAL OF BID. CONTRACTOR SHALL ESTABLISH SCOPE OF WORK FROM CONSTRUCTION DOCUMENTS AND ACTUAL PROJECT SITE VISIT. ANY OMISSIONS, DISCREPANCIES OR CLARIFICATIONS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTIONS OF THE ARCHITECT. FAILURE OF CONTRACTOR TO PERFORM IN THIS MANNER DOES NOT ALLOW FOR ADDITIONAL COST TO THE OWNER.
- ALL GYPSUM BOARD SURFACES ARE TO BE FINISHED SMOOTH. GYPSUM ASSOCIATION GA-214-96 LEVEL 4 FINISH, WITH THE FOLLOWING ADDITION; ANY READILY VISIBLE IMPERFECTIONS IN GYPSUM BOARD SURFACE SHALL BE COATED WITH JOINT COMPOUND AND/OR SKIM-COATED AS REQUIRED.
- GENERAL CONTRACTOR MUST VERIFY AND COORDINATE ALL OPERATIONAL REQUIREMENTS AND CLEARANCE DIMENSIONS OF PROJECT COMPONENTS; INCLUDING
CONTRACTOR SUPPLIED AND OWNER SUPPLIED ITEMS. THIS INCLUDES BUT IS NOT LIMITED TO THE FUNCTIONAL ASPECTS OF THE FOLLOWING:
A) ELECTRONIC DEVICES, COPIER, FAX MACHINE, COMPUTER, TELEVISION, VCR, DVD PLAYER, SOUND COMPONENTS, ETC.
B) CABINETRY, HARDWARE, PULLS, SLIDES, ETC. COORDINATE AND ENSURE COMPLETE FREE AND CLEAR OPERATION OF DRAWERS AND DOORS. PROVIDE A 1 1/2" SCRIBE AT THE ENDS OF ALL CABINET RUNS ABUTTING ADJACENT WALL ASSEMBLIES TO ENSURE ADEQUATE CLEARANCES.
- CONTRACTOR SHALL ITEMIZE ALL COSTS AND SCOPE OF WORK REGARDING ANY CHANGE ORDER. THIS INFORMATION MUST BE PRESENTED TO THE OWNER AND ARCHITECT FOR APPROVAL PRIOR TO ANY WORK BEING EXECUTED.
- ALL LIGHT FIXTURES THAT COME INTO CONTACT WITH BUILDING INSULATION MUST BE IC RATED. ALL LIGHT FIXTURES SHALL MEET ALL APPLICABLE CODES FROM NATIONAL ELECTRIC CODE (NEC) TO THE INTERNATIONAL ENERGY CODE (IEC). CONTRACTOR IS TO VERIFY CODE COMPLIANCE OF ALL LIGHT FIXTURES.
- ALL FINISH MATERIALS ARE TO BE INSTALLED ACCORDING TO PRODUCT MANUFACTURER'S MOST CURRENT DIRECTIONS AND RECOMMENDATIONS (INCLUDING BUT NOT LIMITED TO; ADHESIVES, SURFACE PREPARATION, SUBFLOOR/SUBSTRATE CONDITIONS, MOISTURE BARRIERS, CONCRETE MOISTURE CONTENT, CONCRETE PH, ETC.). G.C. AND SUBCONTRACTORS ARE RESPONSIBLE FOR VERIFYING ALL CURRENT DIRECTIONS AND REQTS. WITH PRODUCT MANUFACTURERS BEFORE ORDERING AND INSTALLING FINISH MATERIALS.
- ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE BUILDING CODES AND LOCAL RESTRICTIONS. THE CONTRACTORS MUST COMPLY WITH CONTRACTOR REGISTRATION REQUIREMENTS OF ALL GOVERNING AUTHORITIES. THE CLARK COUNTY HAS CONTRACTOR LICENSE REQUIREMENTS.
- EACH CONTRACTOR IS RESPONSIBLE TO BE FAMILIAR WITH THE ENTIRE SCOPE OF THE PROJECT AND TO COORDINATE HIS WORK WITH THE WORK OF OTHER CONTRACTORS. ALL TRADES ARE UNDER A SINGLE GENERAL CONTRACT.
- PRIOR TO BIDDING EACH CONTRACTOR IS RESPONSIBLE TO VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE BID/CONTRACT DOCUMENTS ARE NOT TO BE CONSTRUED AS FULLY REPRESENTING CONDITIONS AT THE SITE.
- THE CONTRACTOR SHALL REPORT TO THE OWNER AND ARCHITECT ANY ERRORS, INCONSISTENCIES, OR OMISSIONS HE MAY DISCOVER. THE MEANS OF CORRECTING ANY ERROR SHALL FIRST BE APPROVED BY THE ARCHITECT AND OWNER.
- THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO ORDERING MATERIAL. NOTIFY THE ARCHITECT OF ANY DEVIATIONS BETWEEN FIELD MEASURES AND DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS. THE CONTRACTOR SHALL ACCEPT PREMISES AS FOUND. THE OWNER ASSUMES NO RESPONSIBILITY FOR THE CONDITION OF THE EXISTING SITE OR EXISTING STRUCTURES AT THE TIME OF BIDDING OR THEREAFTER.
- THE CONTRACTOR SHALL PERFORM ALL WORK AT THE HIGHEST LEVEL OF QUALITY IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE BY SKILLED CRAFTSMEN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE WORK WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED.
- ALL MUD/DIRT TRACKED ONTO ROADS FROM THE SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED.
- DUST MUST BE CONTROLLED ON SITE BY MEANS OF A WATER TRUCK AS NECESSARY.
- WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER.
- PREP, FERTILIZE, AND SEED ALL DISTURBED AREAS PER ODOT ITEM 659.
- ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING TESTING, BY AN APPROVED TESTING FIRM, AS REQUESTED BY THE ARCHITECT, ENGINEER OR OWNER, PER APPLICABLE ODOT SECTION.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SEDIMENT FROM THE DETENTION BASIN AND RESTORING TO "AS DESIGNED" CONDITIONS AT THE END OF THE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PLACING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICE SHALL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE.
- ALL WORK WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO SPRINGFIELD CONSTRUCTION SPECIFICATIONS AND STANDARDS.
- ENGINEERS ESTIMATE OF QUANTITIES: ESTIMATED QUANTITIES AS SHOWN FOR INFORMATION PURPOSES ONLY, AND WHILE THEY ARE BELIEVED TO BE COMPLETE AND CORRECT, THE CONTRACTOR IS RESPONSIBLE TO COMPLETE ALL WORK IN ACCORDANCE WITH THE PLANS AND DETAILS HERE IN. IN THE EVENT OF A DISCREPANCY OF ITEMS OR QUANTITIES, THE ITEMS AND QUANTITIES AS DELINEATED ON THE PLANS SHALL PREVAIL.

GENERAL CONSTRUCTION NOTES

- CONTRACTORS INSTALLED WORK IS TO COMPLY WITH ALL LOCAL, STATE AND NATIONAL BUILDING CODES AND THE AMERICANS WITH DISABILITY ACT
- CONTRACTORS ARE TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO COMPLETE THE PROJECT.
- CONTRACTORS SHALL FULLY REVIEW ALL PROJECT DOCUMENTS AND PROVIDE ALL INFORMATION AS REQUIRED FOR SUBMITTALS. CONTRACTORS ARE RESPONSIBLE TO REVIEW THE FULL EXTENT OF THE WORK PRIOR TO EXECUTION OF THE BIDS.
- DO NOT SCALE THE DRAWINGS. PLEASE FORWARD ALL QUESTIONS REGARDING CLARIFICATION OF DIMENSIONS TO THE ARCHITECT/ ENGINEER FOR IMMEDIATE RESOLUTION.
- NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO SHOP DRAWING PREPARATION, MATERIAL FABRICATION AND/OR INSTALLATION OF WORK.
- CONTRACTOR SHALL INCLUDE A SIGNED AUTHORIZATION WITH ALL MATERIAL AND EQUIPMENT SHOP DRAWING SUBMITTALS INDICATING THAT FIELD DIMENSIONS WERE OBTAINED AND ARE ACCURATE TO THE BEST OF THEIR KNOWLEDGE.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE EQUIPMENT MANUFACTURER TO ENSURE APPROPRIATE WALL BLOCKING REQUIREMENTS FOR SUPPORT OF THE EQUIPMENT AND ROUGH IN CLEARANCE REQUIREMENTS FOR EQUIPMENT INSTALLATION AND USE.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & CONDITIONS RELATIVE TO THE PROJECT PRIOR TO MATERIAL FABRICATION & INSTALLATION. CONFLICTS, OMISSIONS AND/OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER IMMEDIATELY FOR RESOLUTION AND PRIOR TO PROCEEDING WITH THE WORK.
- CONTRACTOR TO LAY OUT AND MARK ALL WALLS AND OPENINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
- DETAILS AND NOTES ON THESE PAGES MAY BE GENERALIZED AND SHALL SERVE TO AID THE CONTRACTOR IN EVALUATION OF THIS WORK AS REQUIRED FOR NEW CONSTRUCTION, BUT DRAWINGS SHALL NOT BE HELD TO BE ALL INCLUSIVE. CONTRACTOR TO PERFORM FIELD ALTERATIONS, PATCHING AND PREPARATION FOR ALL NEW WORK AS REQUIRED WHETHER OR NOT IT IS SPECIFICALLY NOTED IN THESE DRAWINGS. CONSULT WITH PRODUCT MANUFACTURER FOR ALL THEIR REQUIREMENTS OF INSTALLATION.
- IT IS PREFERRED THAT ALL CONTRACTORS UTILIZE THE SAME FIRESTOPPING CONTRACTOR FOR THE FIRESTOPPING SCOPE OF WORK. SEE THE FIRESTOPPING NOTES ON THE LIFE SAFETY PLAN FOR MORE INFORMATION.



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------------|--------------------------|
| | 04/02/2024 | SUBMITTED FOR BID/PERMIT |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

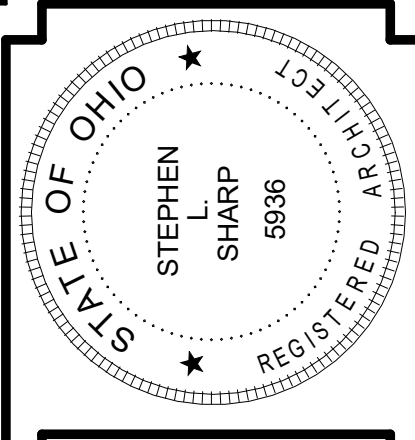
GENERAL NOTES

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

G1.2

DATE 2024-04-04



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------------|--------------------------|
| | 04/02/2024 | SUBMITTED FOR BID PERMIT |

© COPYRIGHT 2024 BY McCALL SHARP ARCHITECTURE LTD.

McCall SHARP
ARCHITECTURE
P: (937)323-4300
F: (937)322-8142
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
FIRST FLOOR DEMOLITION PLAN

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

D1.1

DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:55:38 PM

DEMO LEGEND

- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- NEW
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED

GENERAL NOTES

REMOVE ALL EXISTING FLOOR FINISHES UNLESS NOTED OTHERWISE

REMOVE ALL EXISTING SUSPENDED CEILINGS UNLESS NOTED OTHERWISE

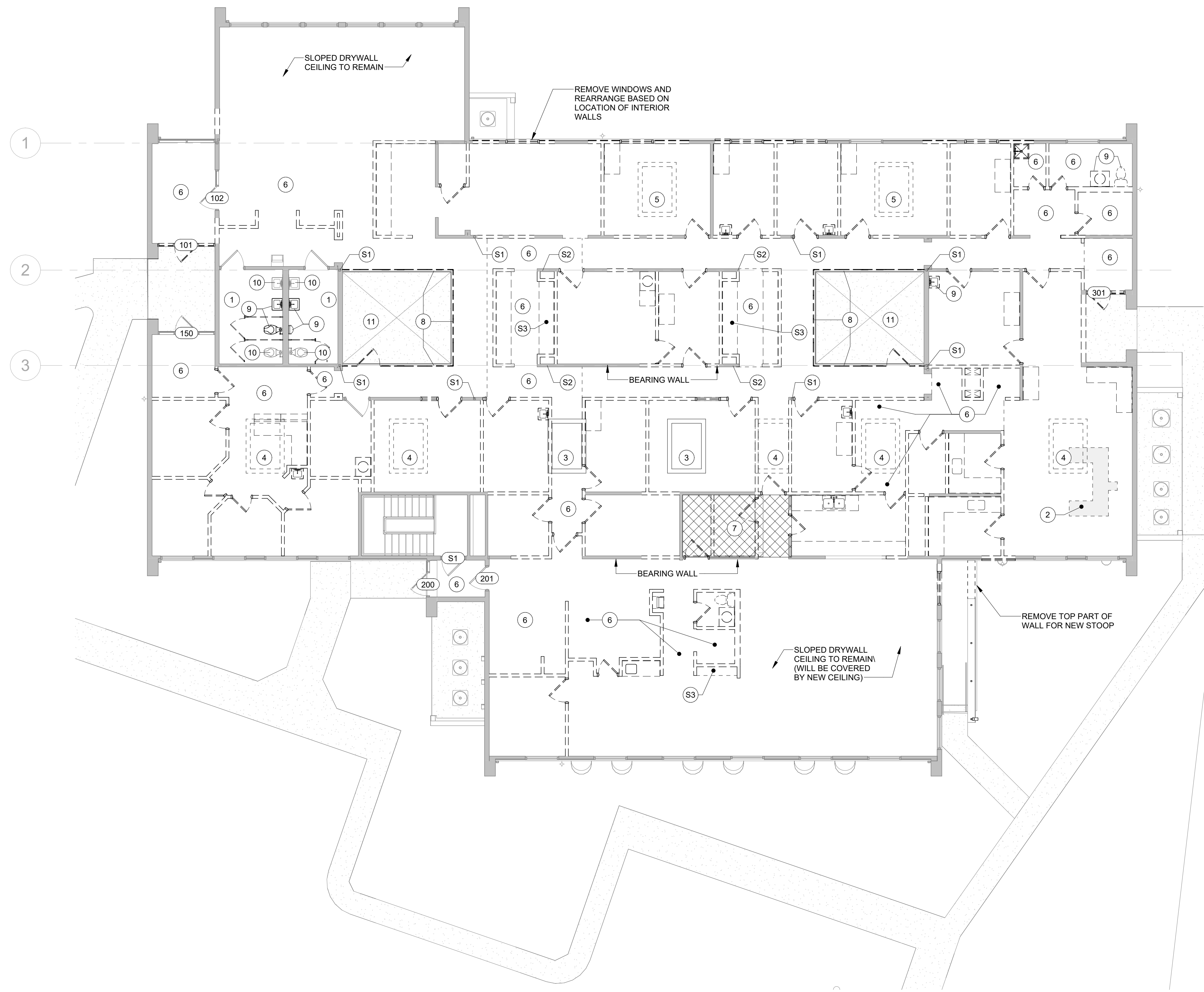
REMOVE DRYWALL BULKHEADS. GWB SHALL REMAIN ON UNDERSIDE OF TRUSSES.

EXISTING ELECTRICAL WIRING AND OUTLETS TO BE REMOVED

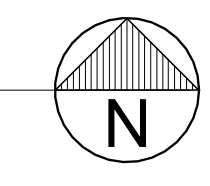
WHERE PLUMBING FIXTURES ARE REMOVED, ALSO REMOVE ACCOMPANYING SUPPLY AND DRAIN LINES.

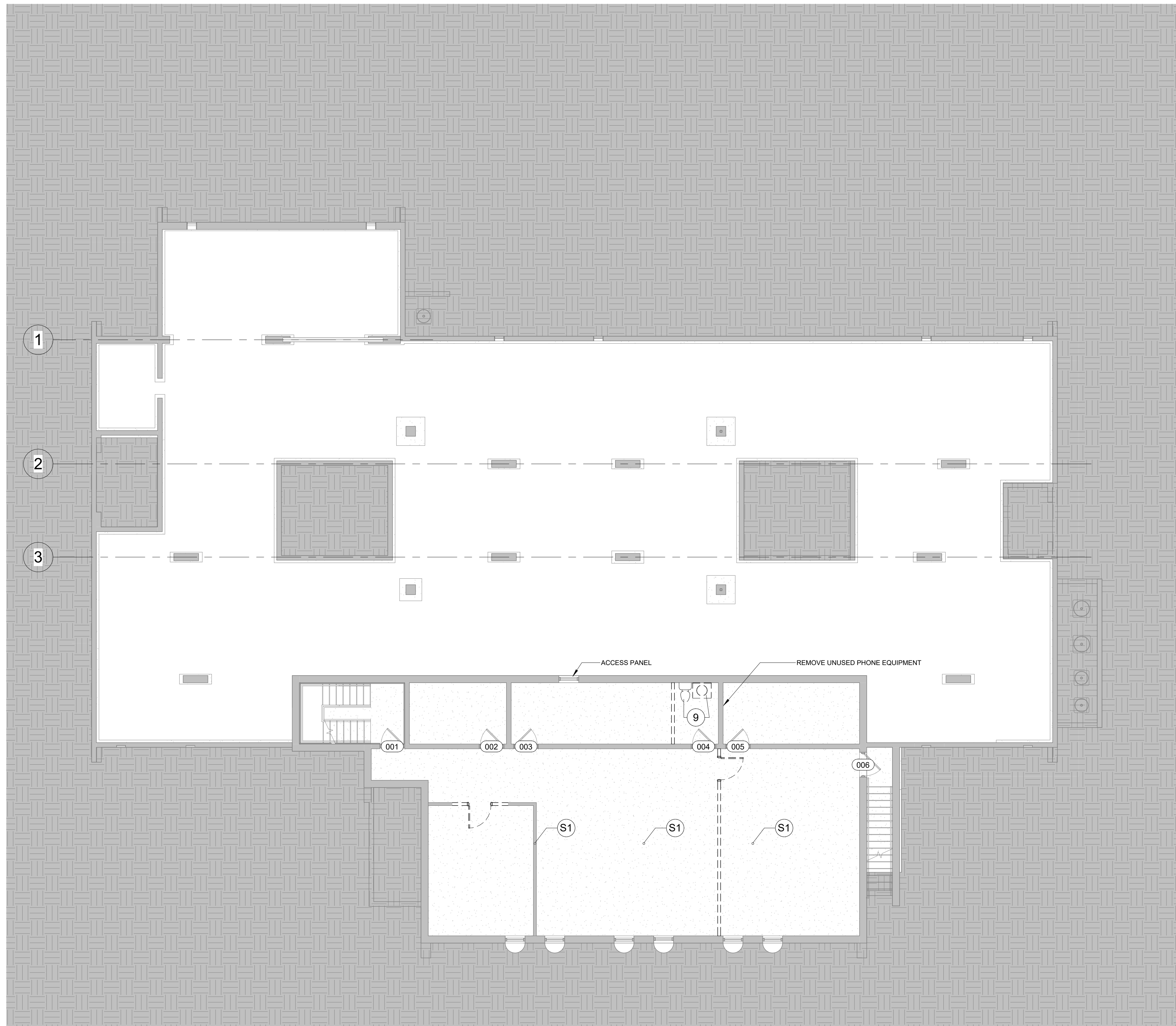
CODED NOTES

- S1 STRUCTURAL STEEL COLUMN TO REMAIN
- S2 STRUCTURAL WOOD STUDS SUPPORTING BEAM TO REMAIN
- S3 SALVAGE METAL LOCKERS
- 1 EXISTING FINISH FLOOR TO REMAIN
- 2 REMOVE MOUNTING FOR OLD MEDICAL EQUIPMENT
- 3 EXISTING SKYLIGHT TO REMAIN
- 4 EXISTING SKYLIGHT TO BE REMOVED
- 5 EXISTING CEILING LIGHT AND ACCOMPANYING FRAMING TO BE REMOVED
- 6 EXISTING DRYWALL CEILING TO BE REMOVED
- 7 REMOVE EXISTING FLOOR FRAMING (IN SHADED AREA) FOR NEW STAIR
- 8 REMOVE GLASS WALL AND WOOD SILL
- 9 REMOVE EXISTING PLUMBING FIXTURE AND PLUMBING LINES
- 10 PLUMBING FIXTURE TO REMAIN
- 11 REMOVE ALL FOLIAGE, PLANTERS, AND REFUSE FROM OUTDOOR ATRIUM

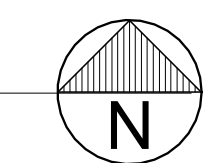


1 Level 1 Demolition Plan
SCALE: 1/8" = 1'-0"





1 Basement Demolition Plan
SCALE: 1/8" = 1'-0"



DEMO LEGEND

- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- NEW
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED

GENERAL NOTES

REMOVE ALL EXISTING FLOOR FINISHES UNLESS NOTED OTHERWISE

REMOVE ALL EXISTING SUSPENDED CEILINGS UNLESS NOTED OTHERWISE

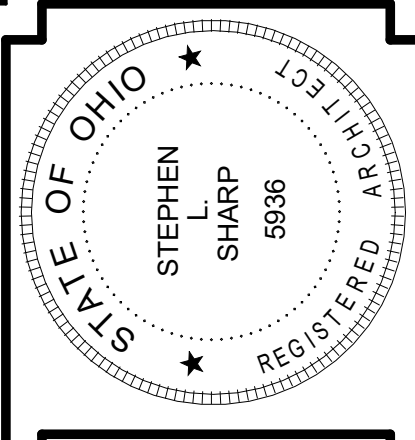
REMOVE DRYWALL BULKHEADS. GWB SHALL REMAIN ON UNDERSIDE OF TRUSSES.

EXISTING ELECTRICAL WIRING AND OUTLETS TO BE REMOVED

WHERE PLUMBING FIXTURES ARE REMOVED, ALSO REMOVE ACCOMPANYING SUPPLY AND DRAIN LINES.

CODED NOTES

- S1** STRUCTURAL STEEL COLUMN TO REMAIN
- S2** STRUCTURAL WOOD STUDS SUPPORTING BEAM TO REMAIN
- S3** SALVAGE METAL LOCKERS
- 1** EXISTING FINISH FLOOR TO REMAIN
- 2** REMOVE MOUNTING FOR OLD MEDICAL EQUIPMENT
- 3** EXISTING SKYLIGHT TO REMAIN
- 4** EXISTING SKYLIGHT TO BE REMOVED
- 5** EXISTING CEILING LIGHT AND ACCOMPANYING FRAMING TO BE REMOVED
- 6** EXISTING DRYWALL CEILING TO BE REMOVED
- 7** REMOVE EXISTING FLOOR FRAMING (IN SHADED AREA) FOR NEW STAIR
- 8** REMOVE GLASS WALL AND WOOD SILL
- 9** REMOVE EXISTING PLUMBING FIXTURE AND PLUMBING LINES
- 10** PLUMBING FIXTURE TO REMAIN
- 11** REMOVE ALL FOLIAGE, PLANTERS, AND REFUSE FROM OUTDOOR ATRIUM



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------------|--------------------------|
| | 04/02/2024 | SUBMITTED FOR BID/PERMIT |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

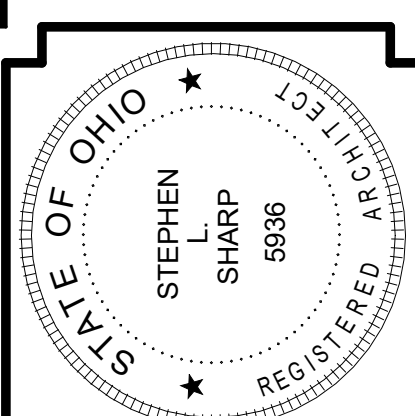
BASEMENT DEMOLITION PLAN

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

D1.2

DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:55:38 PM



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/02/2024 | SUBMITTED FOR BID/PERMIT |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

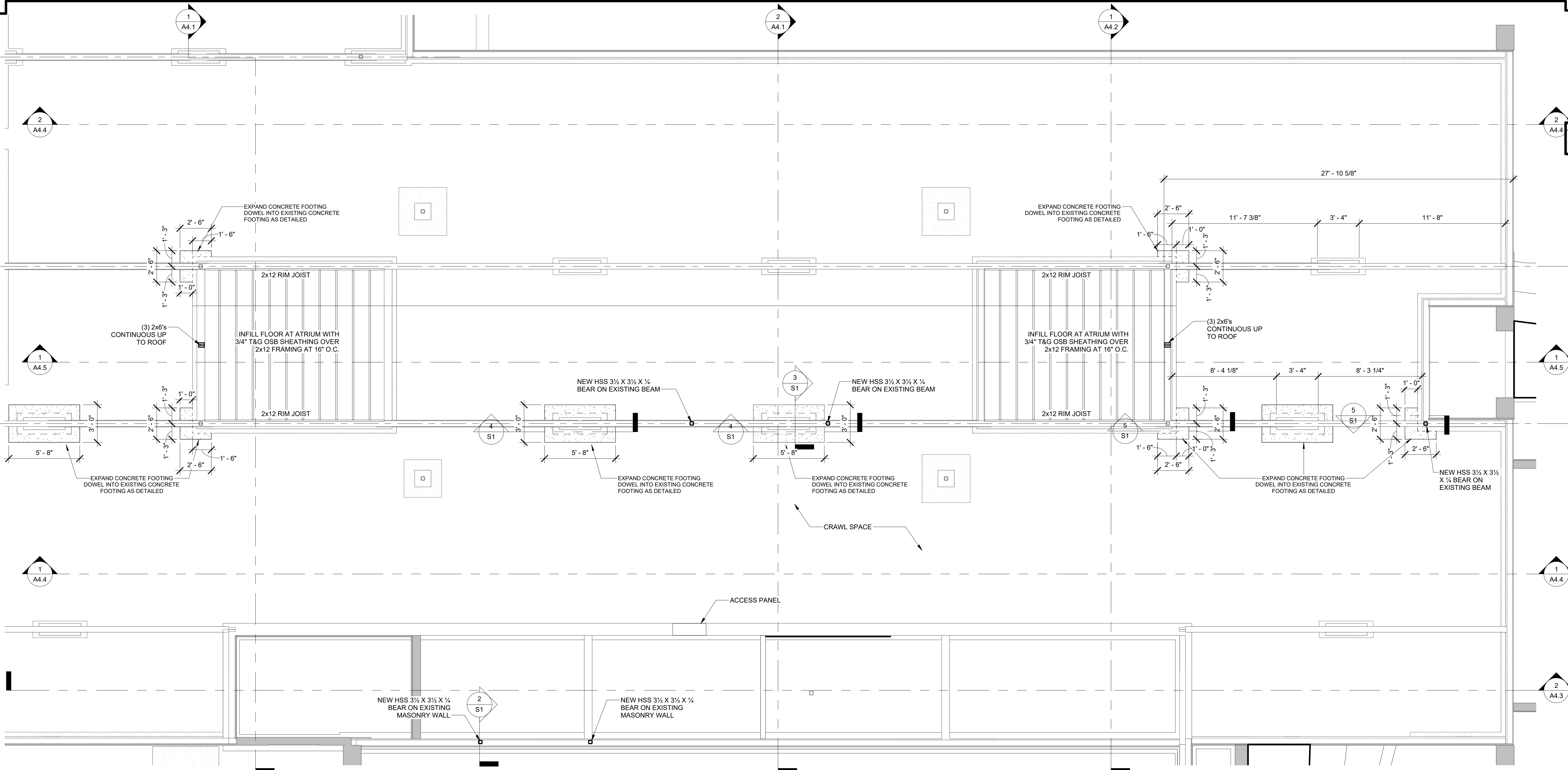
P: (937)322-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

JOB NO: 2322

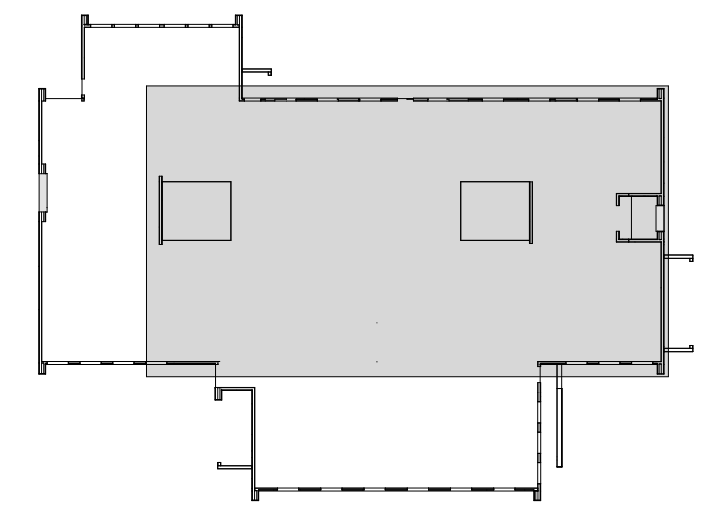
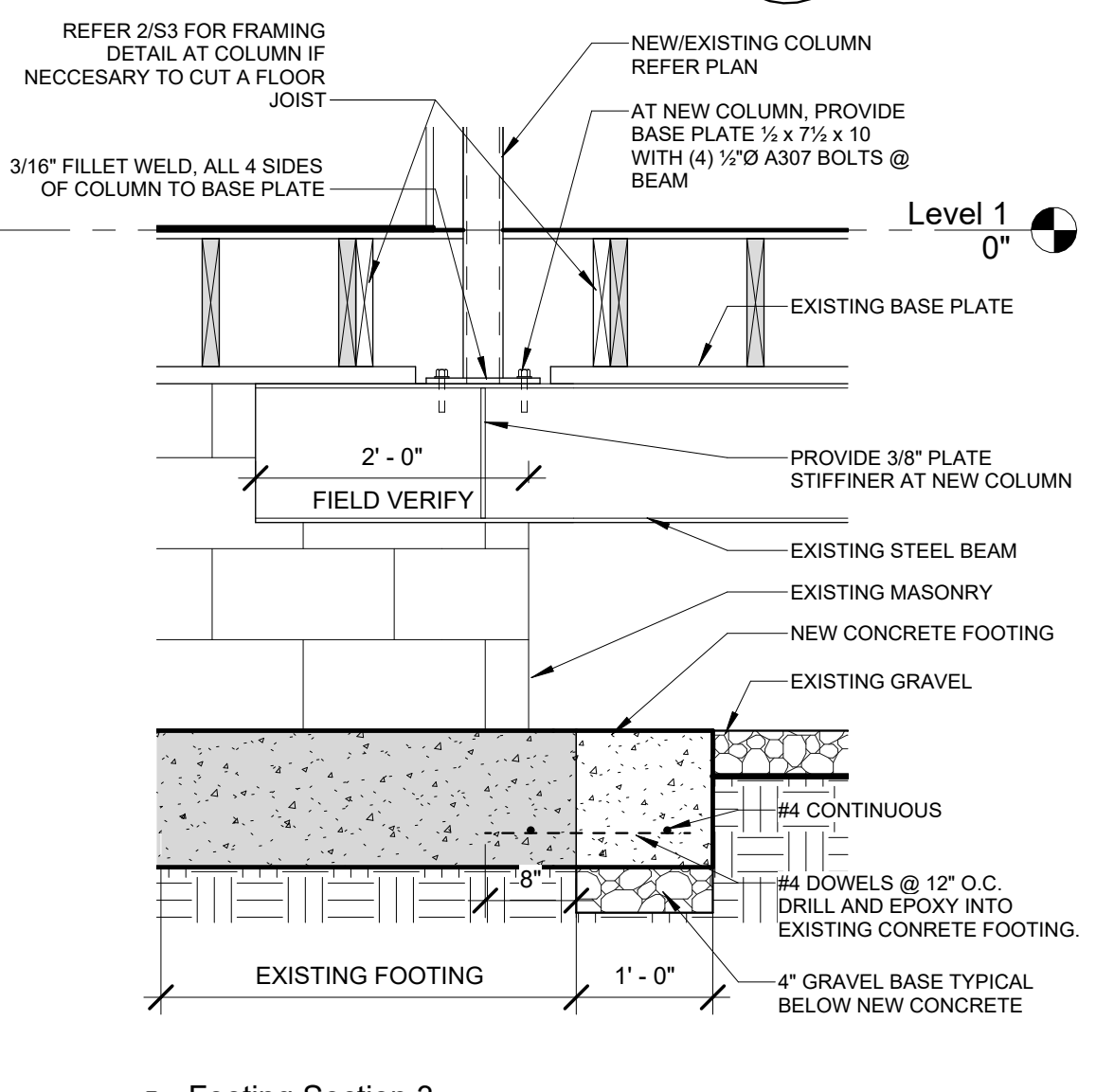
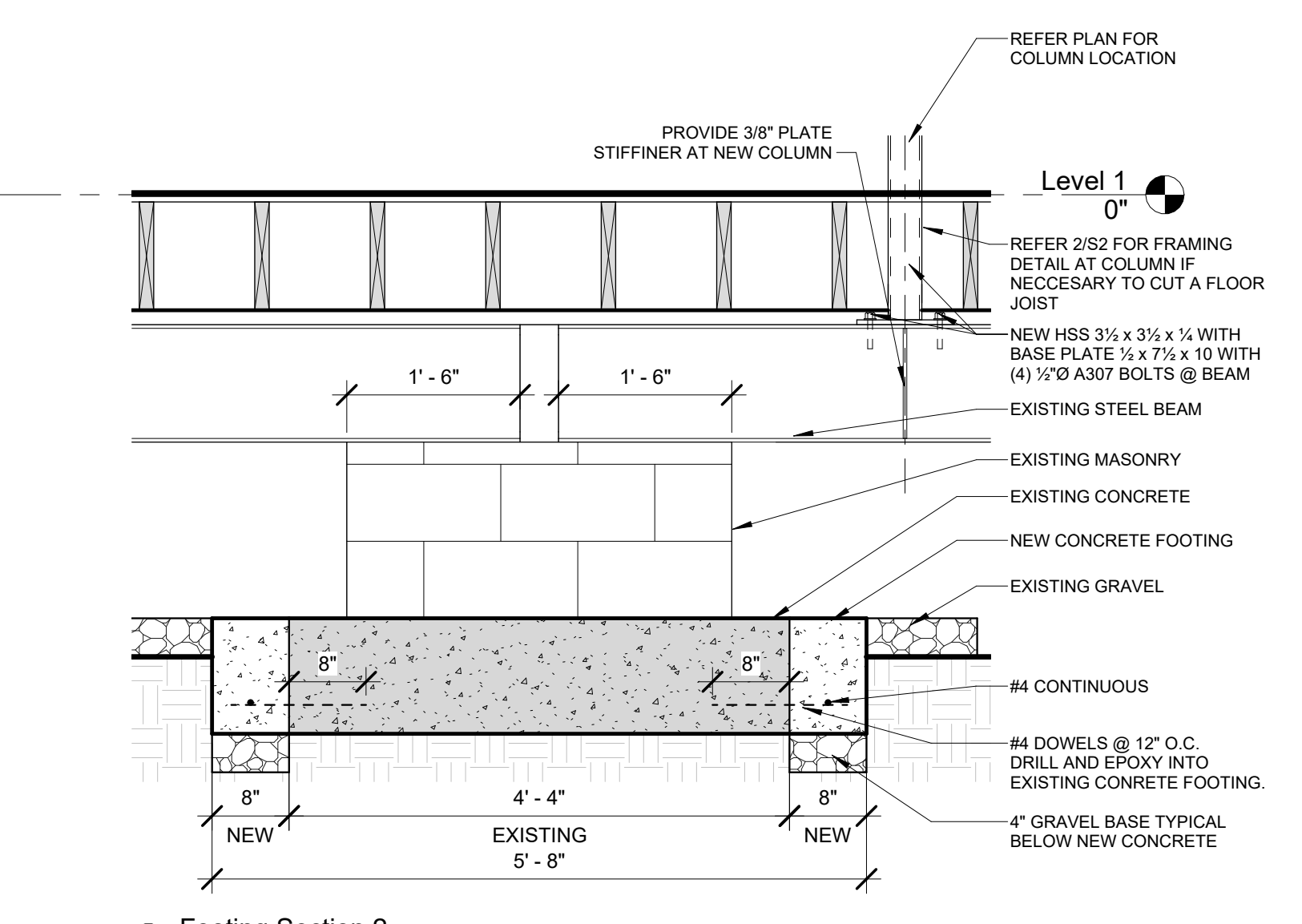
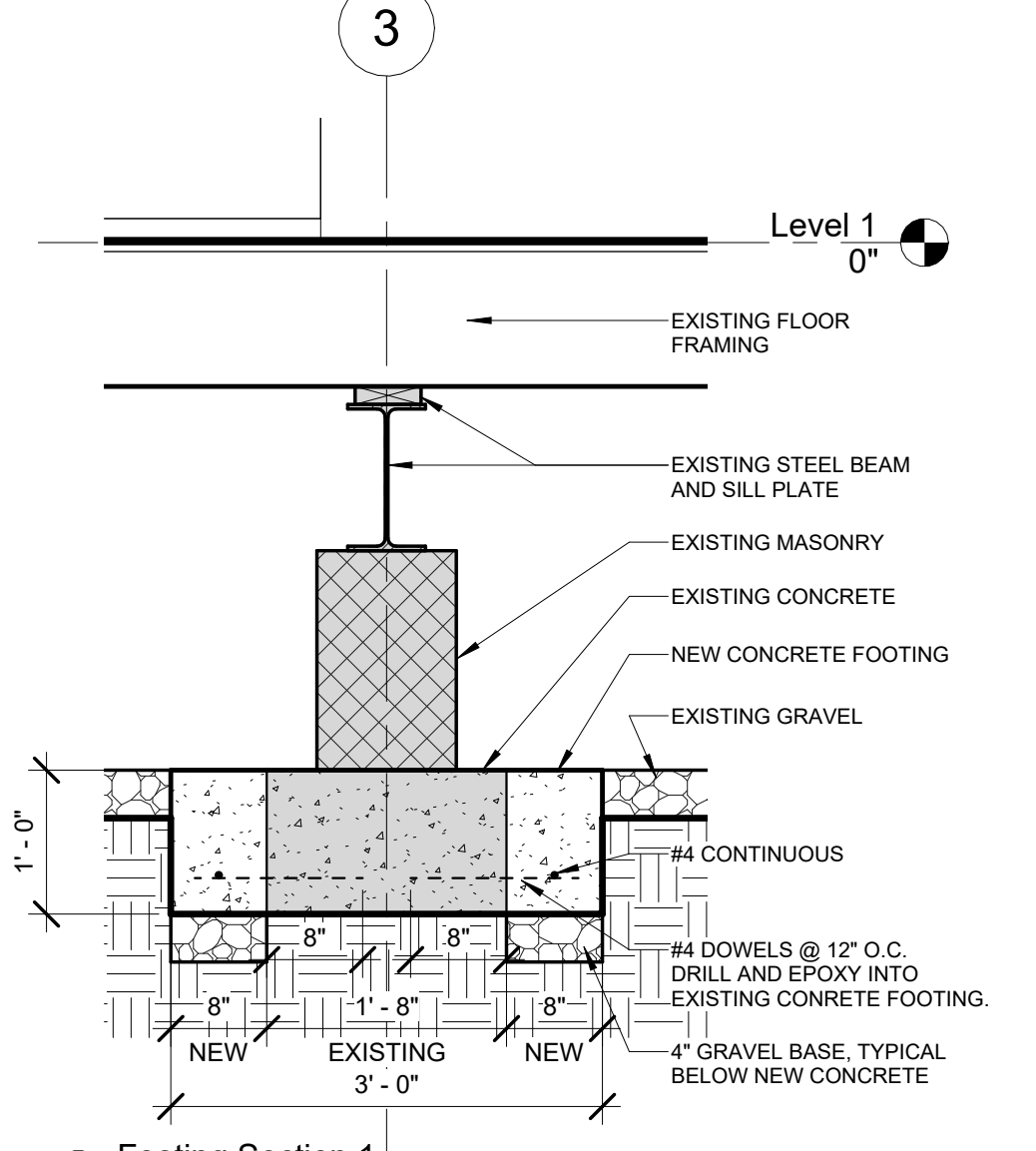
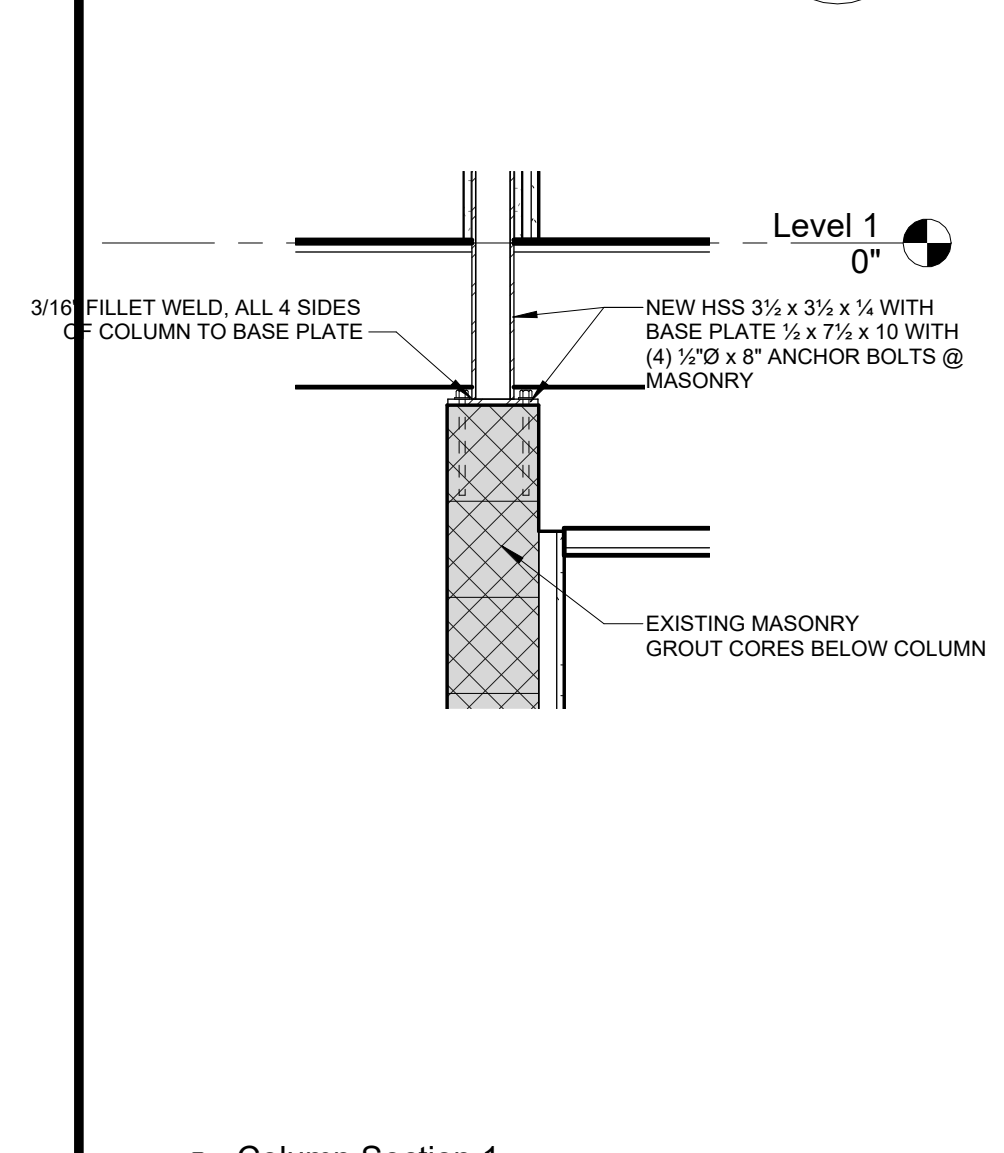
DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

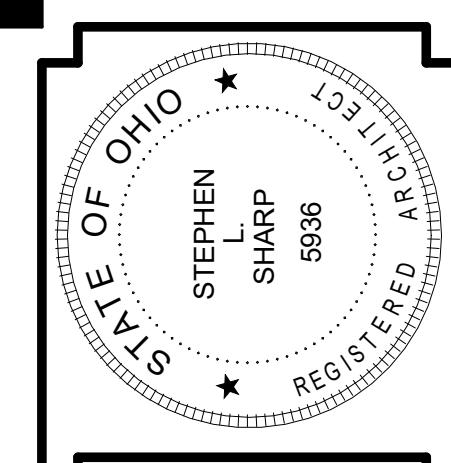
S1
DATE: 2024-04-04



1 FOUNDATION

SCALE: 1/4" = 1'-0"





Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/02/2024 | SUBMITTED FOR BID PERMIT |

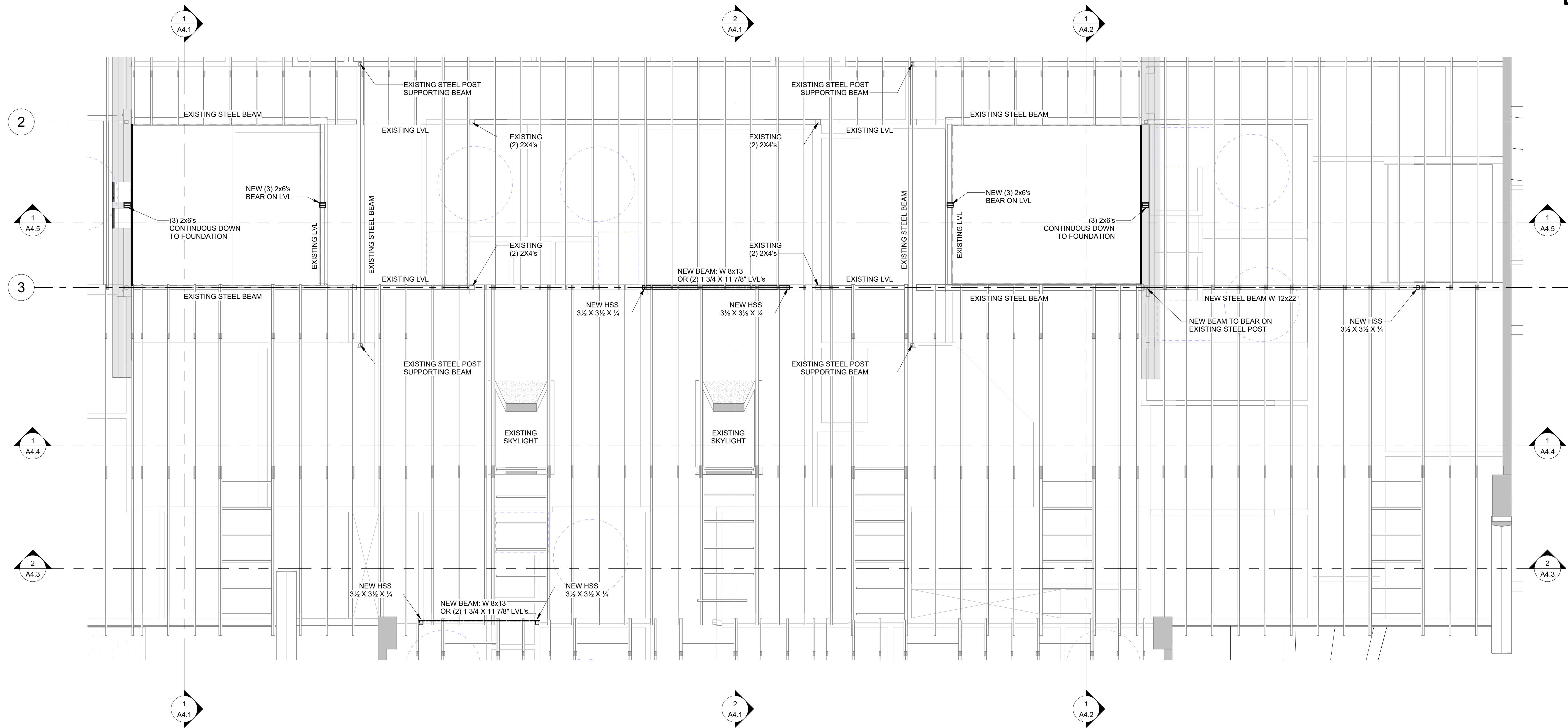
McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
TRUSS FRAMING

JOB NO: 2322

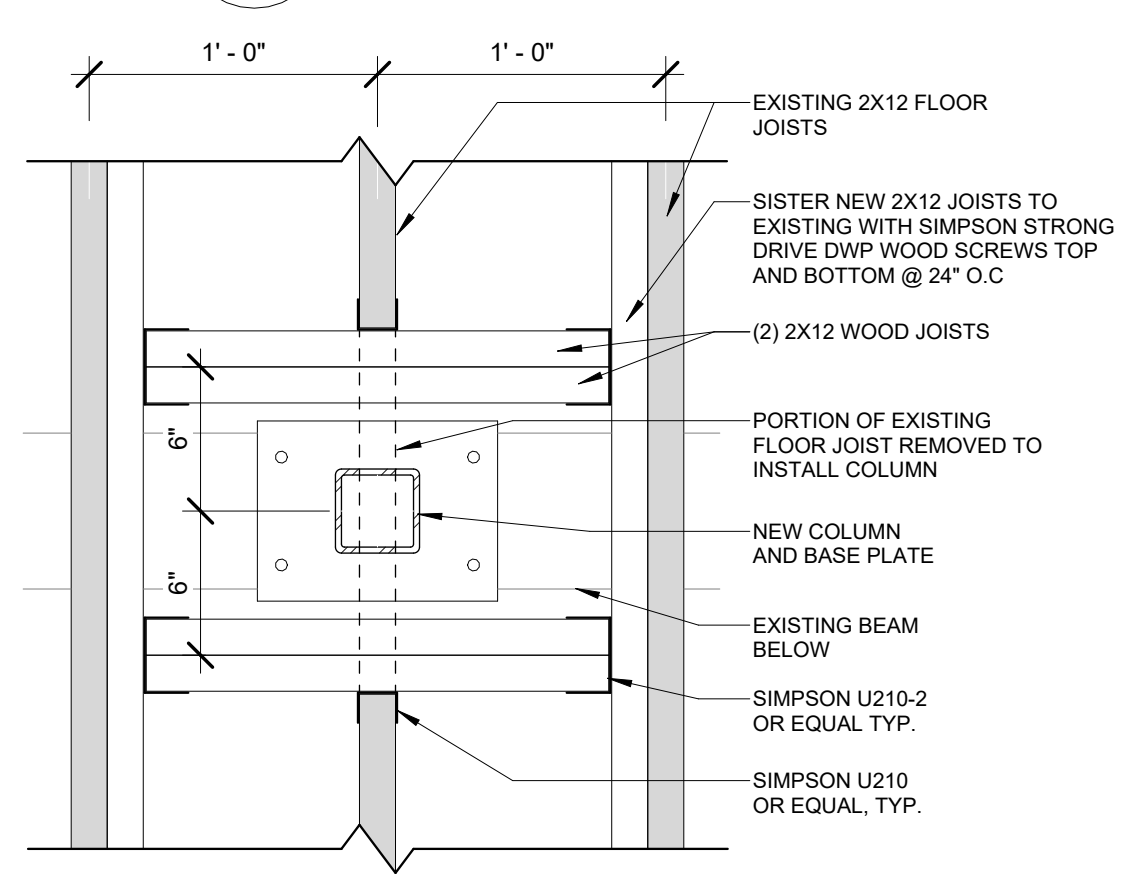
DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

S2
DATE: 2024-04-04

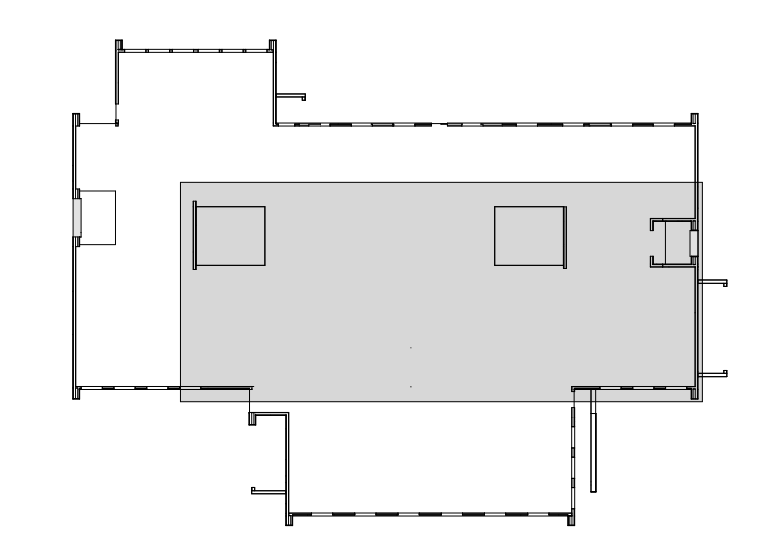
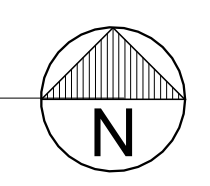


1 Truss Framing

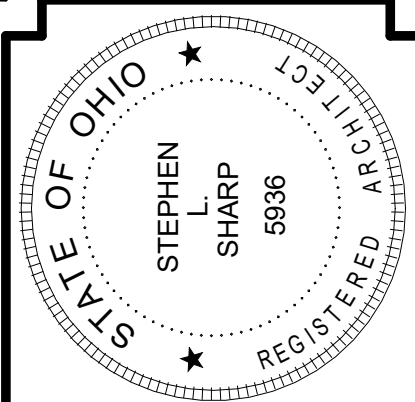
SCALE: 1/4" = 1'-0"



2 New Column Detail At Floor
1 1/2" = 1'-0"



Key Plan S2
1" = 40'-0"



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/02/2024 | SUBMITTED FOR BID PERMIT |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)322-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

ROOF FRAMING

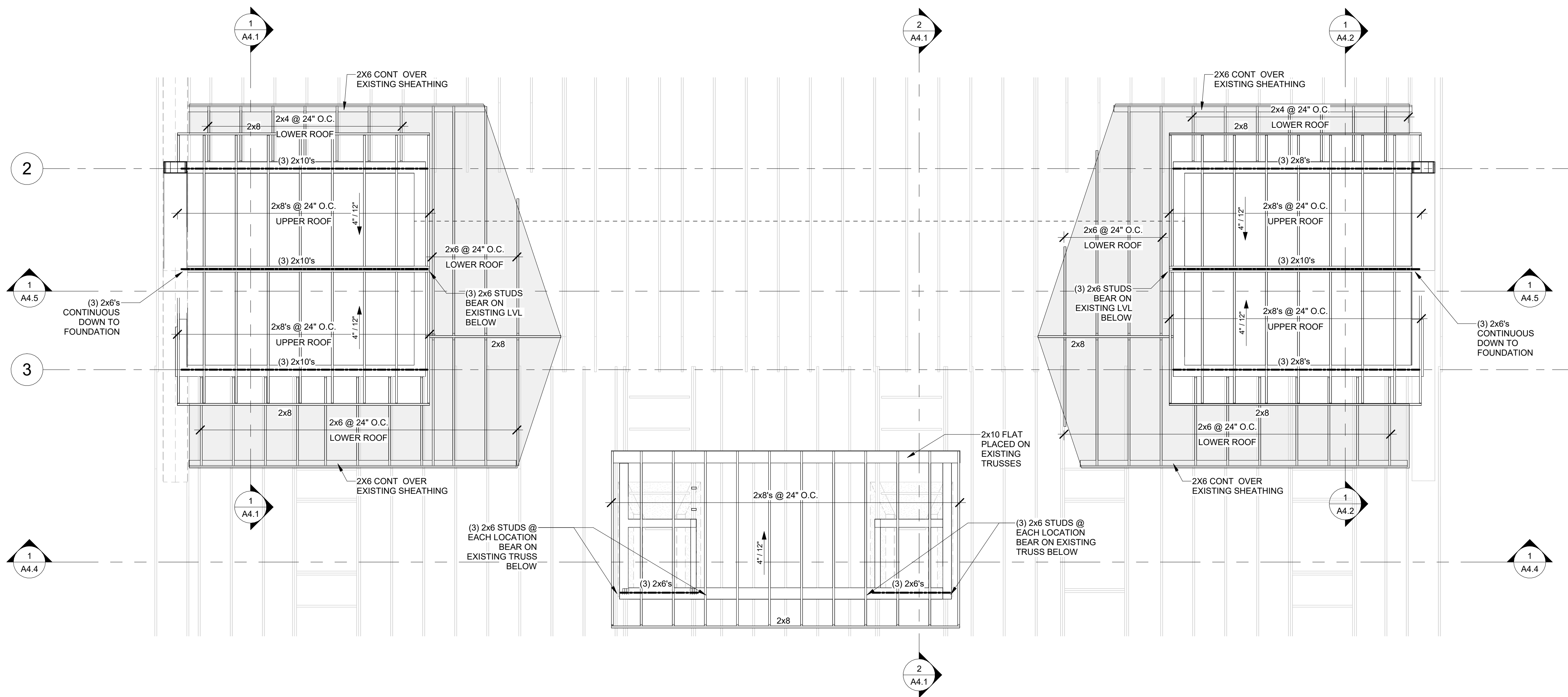
JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

S3

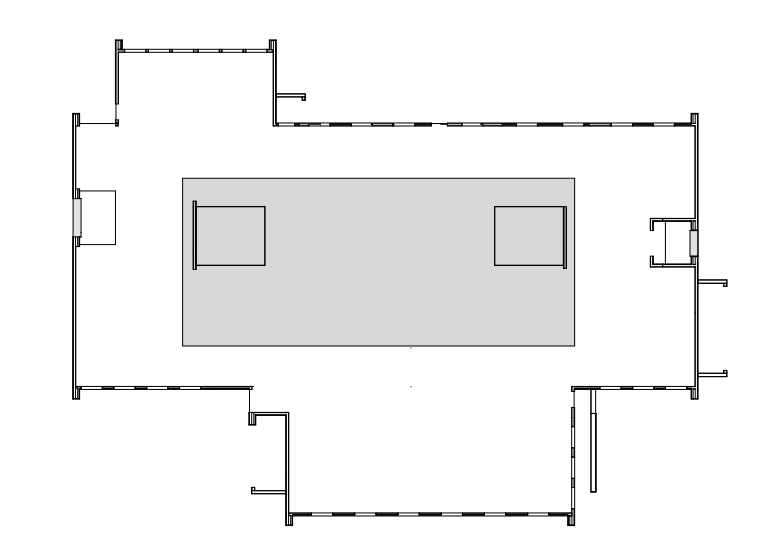
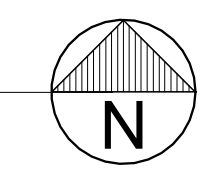
DATE: 2024-04-04

© COPYRIGHT 2024 BY MCCALL SHARP ARCHITECTURE LTD.



1 Roof Framing

SCALE: 1/4" = 1'-0"



Key Plan S3
1" = 40'-0"

GENERAL STRUCTURAL NOTES

- 1. THE GENERAL STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICTS EXIST BETWEEN THE CONTRACT DOCUMENTS AS TO THE QUALITY OR QUANTITY OF WORK REQUIRED, THE BETTER QUALITY OR GREATER QUANTITY SHALL BE PROVIDED UNLESS INSTRUCTIONS ARE OTHERWISE GIVEN IN WRITING.
2. GOVERNING CODE: 2024 OHIO BUILDING CODE
A. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS, OR TIE-DOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
B. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
C. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS RELATING TO EXISTING CONSTRUCTION AND EXISTING SERVICE ON THE SITE.

CONCRETE

- 1. COMPLY WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301)", ACI 318, ACI 315, ACI 306 (FOR WINTER CONCRETING), AND ACI 305 (FOR HOT WEATHER CONCRETING).
2. KEEP COPY OF "FIELD REFERENCE MANUAL" (ACI PUBLICATION SP-15 LATEST EDITION) AT PROJECT FIELD OFFICE.
3. PROVIDE CONCRETE WITH FOLLOWING 28 DAY SPECIFIED STRENGTHS: 5000 PSI WITH 4-6% ENTRAINED AIR -- CONCRETE EXPOSED TO THE WEATHER IN THE FINISHED STRUCTURE. WATER CEMENT RATIO <= .45
3000 PSI WITH 3/8" AGGREGATE & 7" SLUMP -- MASONRY GROUT FILL. 3500 PSI WITHOUT ENTRAINED AIR -- SLAB ON GRADE. 3000 PSI WITHOUT ENTRAINED AIR -- ALL OTHER CONCRETE UNLESS NOTED.
4. TESTING LABORATORY TO SUBMIT ONE COPY OF ALL CONCRETE TEST REPORTS DIRECTLY TO STRUCTURAL ENGINEER.
5. PROVIDE REINFORCING STEEL ASTM A615, A996 TYPE R OR TYPE A WITH 60 KSI MINIMUM YIELD POINT.
6. FURNISH, FABRICATE, AND PLACE 1 TON OF ADDITIONAL REINFORCING BARS AS DIRECTED BY ARCHITECT.
7. REINFORCE ALL SLABS WITH ONE LAYER OF WELDED WIRE FABRIC MEETING ASTM A185 AS FOLLOWS, UNLESS NOTED OR UNLESS BOTTOM REINFORCING BARS ARE CALLED FOR IN TWO DIRECTIONS: 6x6 W1.4xW1.4 -- SLABS ON GROUND AND ALL OTHER SLABS.
8. LAP ALL COMPRESSION SPLICES 30 BAR DIAMETERS. PROVIDE TENSION LAPS IN ALL WALL AND FOOTING REINFORCEMENT. LAP ALL TENSION SPLICES IN ACCORDANCE WITH THE FOLLOWING:
A. IF MORE THAN 50% OF THE BARS ARE LAP SPLICED WITHIN A LAP LENGTH, PROVIDE LAPS IN ACCORDANCE WITH THE FOLLOWING TABLE (CLASS B SPLICES CATEGORY 3) UNLESS NOTED OTHERWISE:
BAR SIZE #3 #4 #5 #6 #7 #8 #9 #10 #11
TOP BARS: 1'-9" 2'-5" 3'-0" 3'-10" 5'-3" 6'-10" 8'-8" 9'-6" 11'-8"
OTHER BARS: 1'-4" 1'-10" 2'-3" 2'-11" 4'-0" 5'-3" 6'-8" 7'-4" 9'-0"
*HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE BELOW.
B. IF LESS THAN ONE-HALF OF THE BARS ARE LAP SPLICED WITHIN A LAP LENGTH, THE ABOVE TABULATED LAP LENGTHS MAY BE DECREASED 30% (CLASS A SPLICES).
C. LAP WIRE MESH 12".

- 9. FURNISH CLEARANCES BETWEEN REINFORCING STEEL AND CONCRETE SURFACE AS FOLLOWS:
3" - CONCRETE PLACED AGAINST GROUND
2" - FORMED SURFACES EXPOSED TO WEATHER OR GROUND
3/4" - SLABS AND WALLS NOT EXPOSED TO WEATHER.

- 10. BEND ALL HORIZONTAL WALL, BOND BEAM AND FOOTING BARS 1'-6" AROUND CORNERS OR PROVIDE CORNER BARS WITH 3'-0" LAP.

STRUCTURAL MASONRY FRAMING

- 1. MASONRY MATERIALS:
A. HOLLOW & SOLID LOAD BEARING BLOCK: ASTM C90 GR. N. TYPE 1.
B. CONCRETE BRICK: ASTM C55 GR. N. TYPE 1.
C. CLAY BUILDING BRICK: ASTM C216 GR. SW.
2. MORTAR:
A. LOAD BEARING WALLS: ASTM C270 TYPE N. TYPE S BELOW GRADE.
B. NON-LOAD BEARING WALLS: ASTM C270 TYPE N.
3. MASONRY REINFORCEMENTS:
A. HORIZONTAL JOINT REINFORCEMENTS: 9 GA. DEFORMED WIRE, LADDER TYPE REINFORCEMENT.
1. IN EVERY SECOND BLOCK COURSE, FULL HEIGHT, AND WHERE SHOWN ON DRAWINGS.
2. IN FIRST BED JOINT ABOVE AND BELOW OPENINGS EXTENDING 24" BEYOND OPENING.
3. LAP REINFORCEMENT A FULL WIDTH AT CORNERS AND INTERSECTIONS.
4. BEARING POINTS:
A. PROVIDE 3 COURSES X 24" WIDE SOLID OR GROUTED SOLID MASONRY AT BEAM BEARING POINTS.
B. PROVIDE 2 COURSES X 16" WIDE SOLID OR GROUTED SOLID MASONRY AT JOIST AND LINTEL BEARING POINTS.
5. REINFORCED MASONRY:
A. INSTALL REINFORCING BARS IN SIZES SHOWN ON DRAWINGS ACCURATELY IN LOCATION SHOWN. LAP REINFORCING 48 BAR DIAMETERS.
B. GROUT BLOCK WITH #8 AGGREGATE CONCRETE VIBRATED IN PLACE TO FILL ALL VOIDS AND INTERSTICES. FOLLOW RECOMMENDATIONS OF NCMA TEK NO. 3-3A.
C. PROVIDE DOWELS IN FOOTINGS FOR VERTICAL REINFORCING BARS UNLESS NOTED OTHERWISE.
D. MASONRY WALL REINFORCING SHOWN ON PLAN SHALL BE FULL HEIGHT UNLESS NOTED OTHERWISE.
E. CONTRACTOR IS RESPONSIBLE FOR PROVIDING LATERAL BRACING FOR MASONRY WALLS UNTIL ROOF FRAMING & ROOF DECK IS IN PLACE. FOLLOW RECOMMENDATIONS OF NCMA TEK 3-4B.

WOOD FRAMING

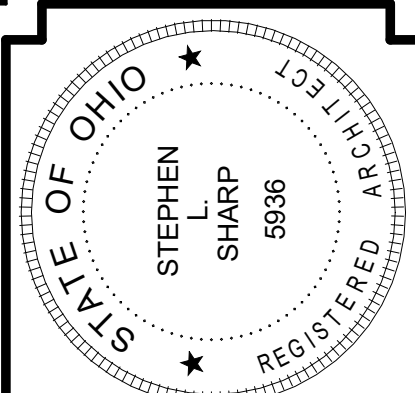
- 1. SPECIFICATIONS AND STANDARDS: DESIGN AND DETAILING OF CONNECTIONS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION AS RECOMMENDED BY NATIONAL FOREST PRODUCTS ASSOCIATION.
2. MATERIALS:
A. USE ONLY STRESS GRADE LUMBER WITH THE FOLLOWING MINIMUM PROPERTIES FOR DIMENSIONAL LUMBER FRAMING.
TYPE OF MEMBER FB FV E.
1. STUDS IN BEARING WALLS 875/1006 135 1,400,000 PSI
2. JOISTS & HEADERS 1200/1380 175 1,600,000 PSI
3. BEAMS 1200/1380 175 1,600,000 PSI
4. LVLs 2900 290 2,000,000 PSI
5. TRUSSES - SEE TRUSS NOTES.
B. ALL STRUCTURAL LUMBER SHALL BE KILN DRIED TO 19% MOISTURE CONTENT.
C. LIGHT GAUGE JOIST HANGERS AND FRAMING ANCHORS - 16 OR 18 GA. GALVANIZED STEEL SIZED FOR FULL LOAD CARRYING CAPACITY OF SUPPORTED MEMBER. PROVIDE SIMPSON HANGERS OR APPROVED EQUAL. USE ASTM G185 GALVANIZED CONNECTORS WITH PRESERVATIVE TREATED WOOD.
D. PLYWOOD SHEATHING:
FLOORS - 3/4" TONGUE AND GROOVE PLYWOOD APA C-D W/EXT. GLUE, OR OSB SHEATHING W/ PANEL INDEX 32/16.
ROOFS - 9/16" TONGUE AND GROOVE OSB SHEATHING W/EXT. GLUE, PANEL INDEX 24/0.
E. PROVIDE 1X2 WOOD BRIDGING OR METAL EQUIVALENT AT MIDSPAN OF ALL FLOOR JOISTS OR @ 8'-0" C/C MAX.
F. WHERE PLYWOOD FILLERS ARE CALLED OUT WITH LINTELS, THEY SHALL BE CONTINUOUS PIECES FOR LENGTH OF OPENING AND SHALL BE NAILED TO 2X'S WITH TWO ROWS OF 10d NAILS AT 12" C/C.
G. PROVIDE SOLID BLOCKING IN FLOOR CONSTRUCTION UNDER BEARING WALLS, POSTS, MULTIPLE STUDS OR BEAM BEARINGS.
H. ALL MULTIPLE STUDS AT BEAM AND LINTEL BEARING SHALL BE NAILED TOGETHER WITH 10D @ 12" C/C.
I. MULTIPLE MEMBER BEAMS AND LINTELS SHALL BE NAILED TOGETHER WITH TWO ROWS 10D @ 12" C/C. USE 16D NAILS FOR MICROLAMS.
J. PROVIDE DOUBLE STUDS AT ALL LINTEL AND WOOD BEAM BEARINGS UNLESS NOTED OTHERWISE.
K. WHEN SCREWS OR LAG BOLTS ARE REQUIRED, PILOT HOLES SHOULD BE USED FOR THE INSTALLATION. PROVIDE HOLE 50% OF FASTENER DIAMETER FOR S-P-F AND 70% FOR SO. PINE OR OAK.
3. CONSTRUCTION REQUIREMENTS:
A. MAKE ALL CUTS TRUE AND SQUARE FOR FULL BEARING AT STRUCTURAL JOINTS.
B. PROVIDE PLYWOOD NAILING AS RECOMMENDED BY THE AMERICAN PLYWOOD ASSOCIATION.
C. CONNECT ALL FRAMING AND SHEATHING SECURELY TOGETHER WITH NAILS, SPIKES, OR FRAMING ANGLES. FOLLOW MINIMUM REQUIREMENTS OF OHIO BUILDING CODE TABLE 2304.9.1 "FASTENING SCHEDULE" UNLESS NOTED OTHERWISE ON DRAWINGS
4. NAILING REQUIREMENTS ARE BASED ON COMMON NAIL SIZES. ADDITIONAL NAILING WILL BE REQUIRED IF CEMENT COATED SINKERS OR BOX NAILS ARE USED. OBTAIN WRITTEN APPROVAL FROM STRUCTURAL ENGINEER BEFORE MAKING ANY SUBSTITUTION. NAIL GUN NAILS SHOULD MATCH THE DIAMETER OF THE SPECIFIED NAIL.
5. ALL SILL PLATES IN CONTACT WITH MASONRY WITHIN 8" OF EARTH OR ON CONCRETE BEARING ON EARTH SHALL BE PRESERVATIVE TREATED.

WOOD TRUSS NOTES

- 1. TRUSS FABRICATOR TO DESIGN ALL TRUSS CONNECTIONS AND SUBMIT SHOP DRAWINGS FOR ALL TRUSSES. DO NOT DEVIATE FROM TRUSS CONFIGURATION SHOWN ON DRAWINGS.
2. PROVIDE UPWARD CAMBER IN TRUSSES EQUAL TO THE LONG TERM DEAD LOAD DEFLECTION OF THE TRUSS.
3. FOR FORCES SHOWN ON DRAWINGS (+) INDICATES TENSION; (-) INDICATES COMPRESSION.
4. ALL TRUSS MEMBERS TO BE MINIMUM #2 SOUTHERN PINE OR SPRUCE-PINE-FIR KILN DRIED, UNLESS SHOWN OTHERWISE. ALL MEMBERS SHALL BE CUT TO BEAR TIGHT. #3 WEBS ARE NOT PERMITTED.
5. THE PROCEDURE AND EXECUTION OF ERECTING THE TRUSSES IS THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE TRUSSES DURING ERECTION AS WELL AS ALL PERMANENT BRACING REQUIRED. FOLLOW BRACING RECOMMENDATIONS OF BUILDING COMPONENT SAFETY INFORMATION BCSI 1-03 BY WTCA & TPI
6. ATTACH PERMANENT LATERAL BRACING TO WALLS OR ROOF FRAMING AT EACH END AND PROVIDE "X" BRACING AT 20' MAX SPACING.
7. DESIGN LOADS:
TOP CHORD LIVE LOAD 25 PSF DEAD LOAD 5 PSF
BOTTOM CHORD DEAD LOAD 5 PSF
USE COMPONENTS & CLADDING FORCES FOR TRUSS WIND DESIGN
FRAME TRUSSES SHALL BE CHECKED FOR BOTH C&C AND MAIN WIND FORCE RESISTING SYSTEM LOADS. ALSO INCLUDE THE UPLIFT THAT OCCURS AT OVER HANGS AND OPEN AREAS WHERE APPLICABLE.

MISCELLANEOUS

- 1. FOUNDATIONS DESIGNED FOR SOIL PRESSURE OF 3000 PSF. NOTIFY ARCHITECT IF FOUNDATION CONDITIONS ENCOUNTERED DIFFER SIGNIFICANTLY FROM SOILS EXPLORATION INFORMATION MADE AVAILABLE TO CONTRACTOR.
2. VERIFY BEFORE FABRICATION OR CONSTRUCTION, ALL OPENINGS, LINTELS, EQUIPMENT SUPPORTS AND OTHER CONSTRUCTION PROVIDED FOR MECHANICAL WORK.
3. ALL MASONRY WALLS SHOWN ON STRUCTURAL PLANS ARE "LOAD-BEARING" UNLESS NOTED.
4. DESIGN LIVE LOADS:
FLOOR LOAD = 100 PSF @ CORRIDORS
50 PSF @ OFFICES
ROOF LIVE LOAD = 20 PSF
GROUND SNOW LOAD (Pg) = 20 PSF
RAIN ON SNOW LOAD = 5 PSF
SNOW EXPOSURE FACTOR (Ce) = 1.0
SNOW LOAD IMPORTANCE FACTOR (Is) = 1.0
THERMAL FACTOR (Ct) = 1.0
ULTIMATE WIND SPEED = 115 MPH
WIND EXPOSURE = C
INTERNAL PRESSURE COEFFICIENT = %128.18
COMPONENT & CLADDING ULTIMATE WIND PRESSURE = 27.9 PSF @ INTERIOR ROOF PANELS, 46.3 PSF @ EAVES, HIPS & RIDGE
30.8 PSF @ INTERIOR WALL PANELS, 35.7 PSF @ CORNERS
SEISMIC DESIGN PARAMETERS
SEISMIC USE GROUP = II
SPECTRAL RESPONSE COEFFICIENTS
S = 0.165g ds
S = 0.109g d1
SITE CLASS = D
DESIGN CATEGORY = B
BASIC STRUCTURAL SYSTEM = LIGHT FRAMED WOOD SHEAR WALLS
RESPONSE MODIFICATION FACTOR R = 6.5
DESIGN BASE SHEAR = 0.025W
ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

Table with 4 columns: NO., DATE, DESCRIPTION, SUBMITTED FOR BID/PERMIT. Row 1: 04/02/2024, [blank], [blank], [blank]

McCall SHARP ARCHITECTURE
Springfield Office
14 East Main Street, Suite 201
Springfield, Ohio 45502
P: (937)323-4300
F: (937)322-8142

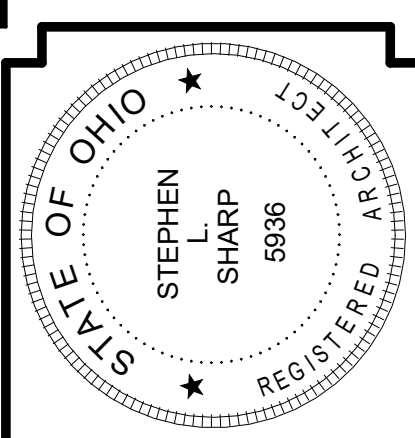
Heart House Renovation FOR McKinley Hall
1911 East High Street Springfield Ohio
STRUCTURAL GENERAL NOTES

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: RB
Construction Documents

S4

DATE 2024-04-04



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/02/2024 | SUBMITTED FOR BID PERMIT |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

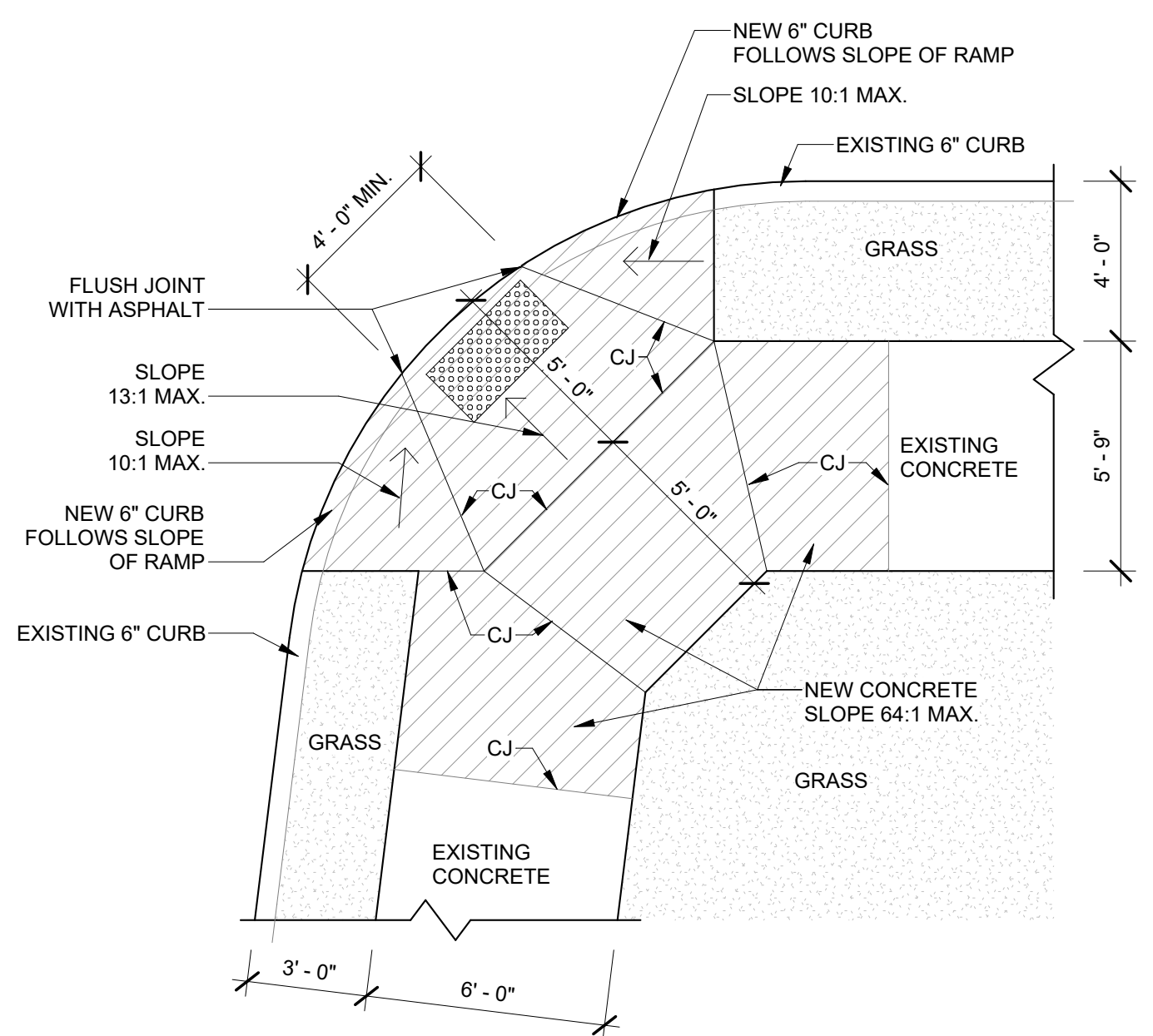
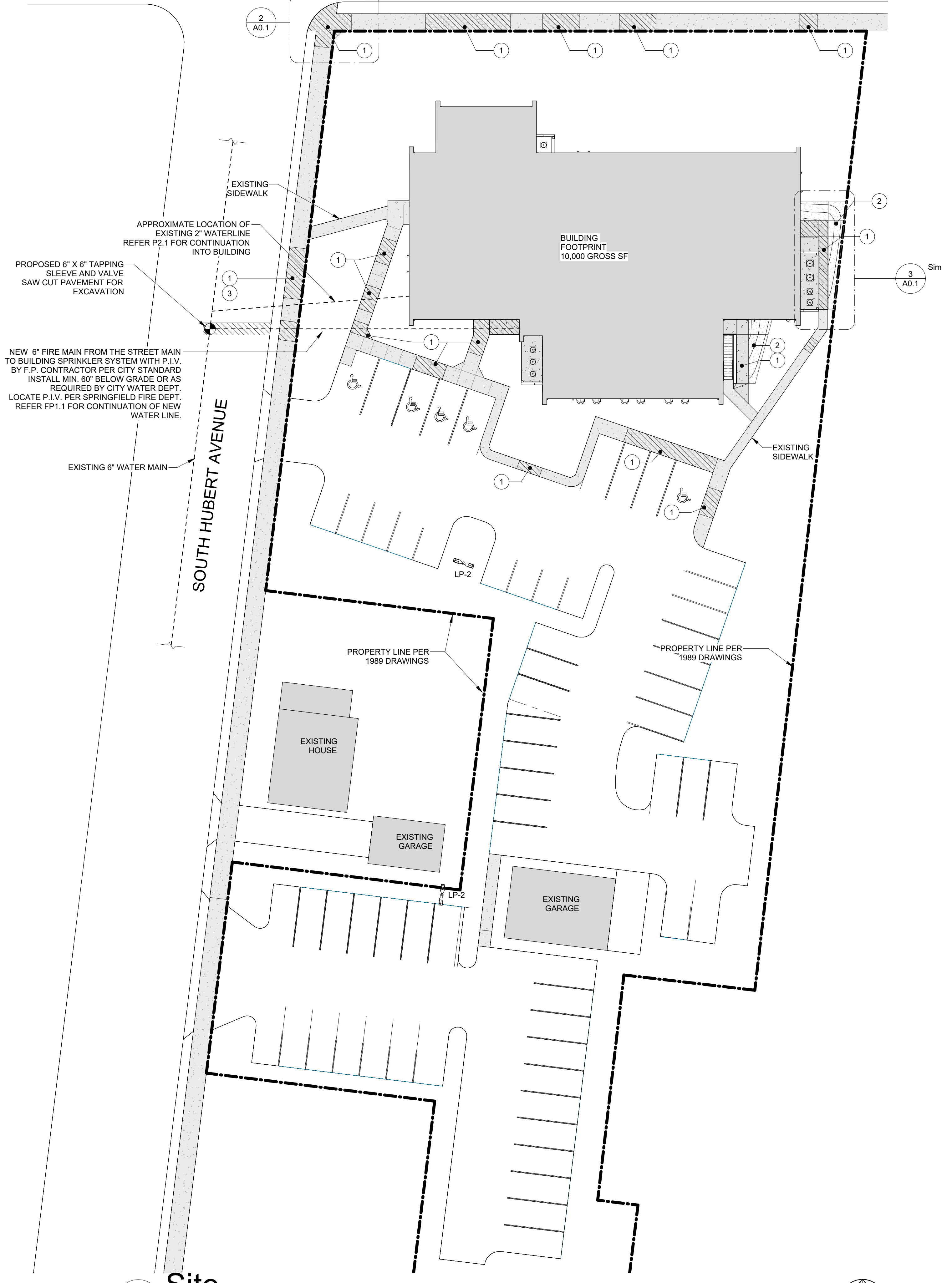
A0.1

DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:55:34 PM

HIGH STREET

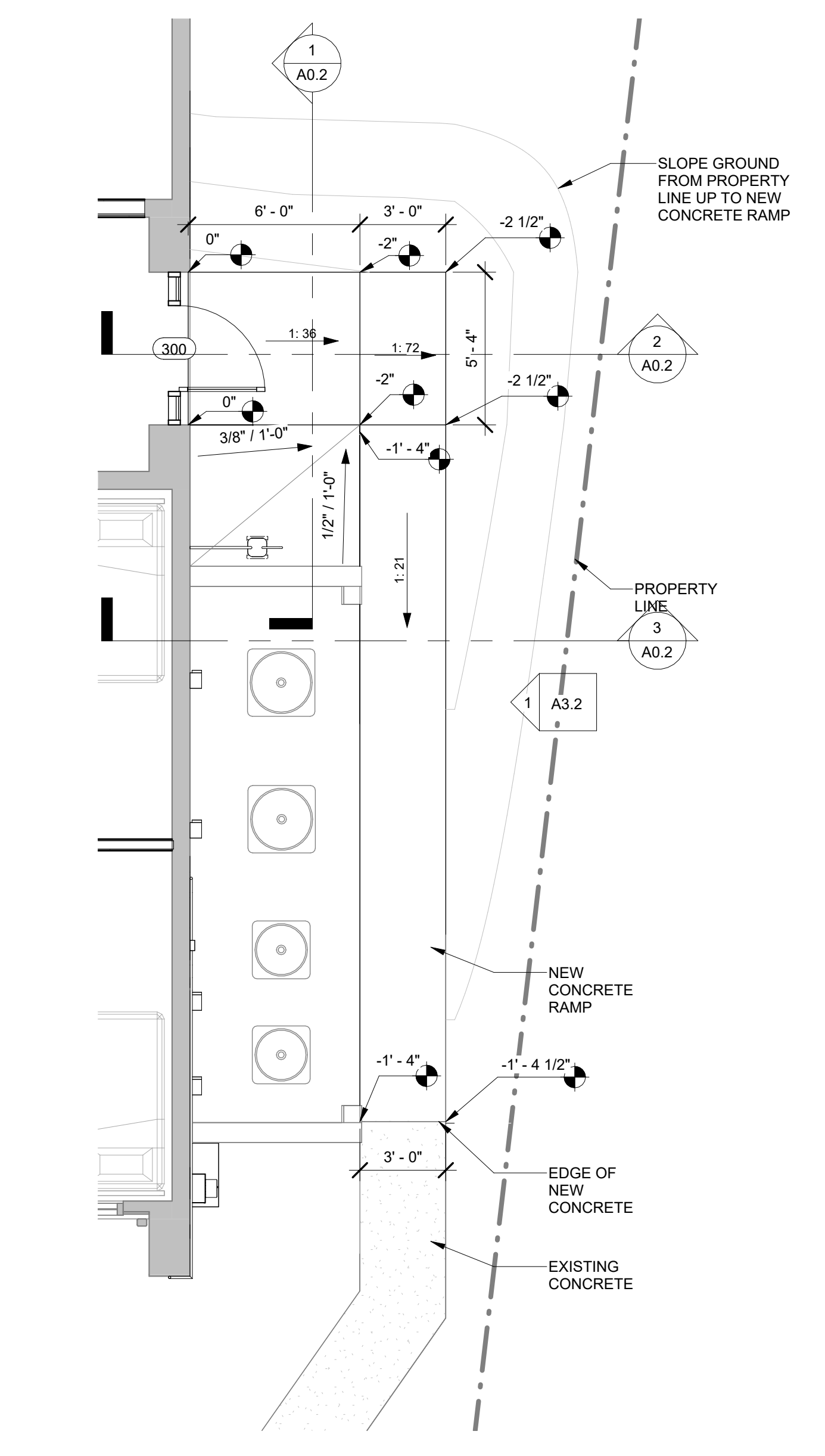
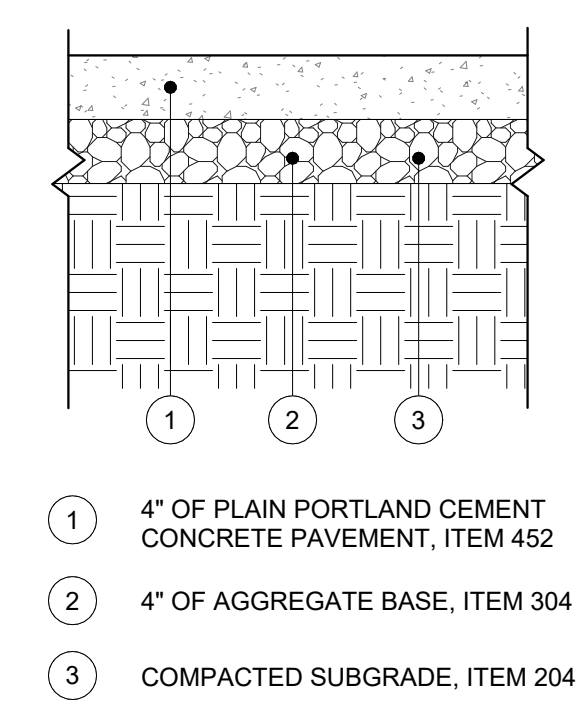
SITE PLAN LEGEND

- EXISTING SIDEWALK
- REMOVE EXISTING UNEVEN OR DAMAGED CONCRETE, REPLACE WITH NEW CONCRETE APPROX 1,140 SF
- 1** INSTALL NEW 4" CONCRETE WITH 6X6 1.4 X 1.4 WWF OVER 304 GRAVEL
- 2** SLOPE GROUND UP TO NEW RAMPED SIDEWALK
- 3** REMOVE ROOTS BELOW SIDEWALK
- LP2 LIGHT POLE WITH 2 LIGHTS

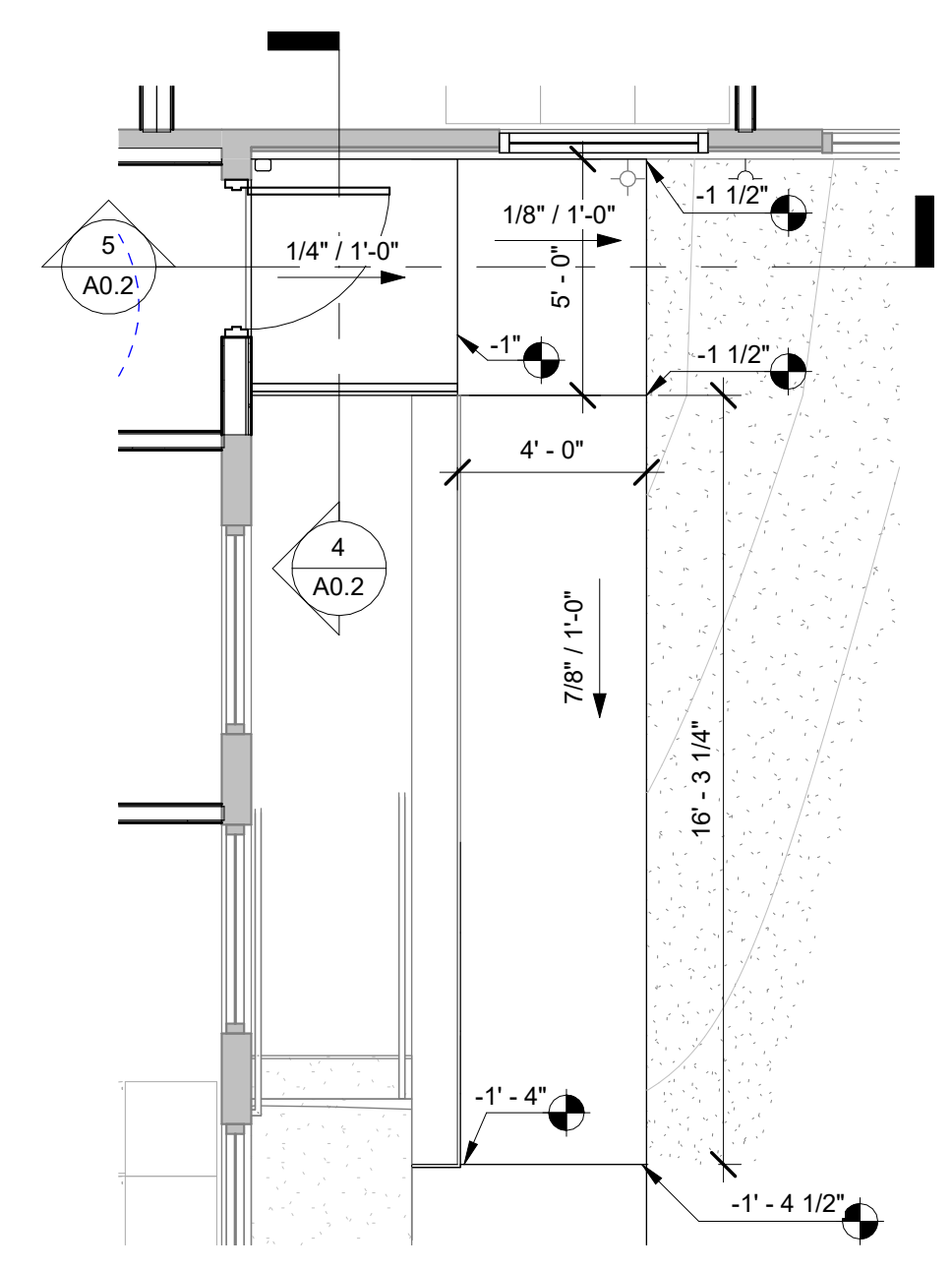


2 Street Corner Detail
1/4" = 1'-0"

SIDEWALK SECTION

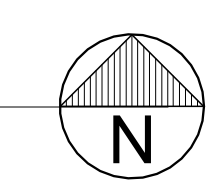


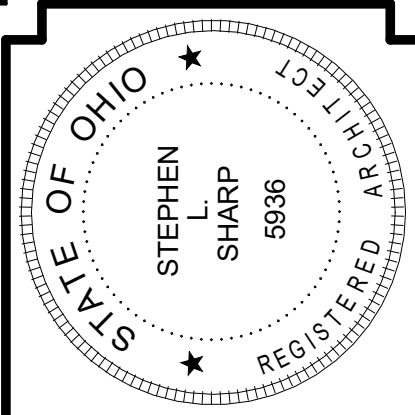
3 East Exit Ramp 1
1/4" = 1'-0"



5 East Exit Ramp 2
1/4" = 1'-0"

1 Site
SCALE: 1" = 20'-0"





Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/02/2024 | SUBMITTED FOR BID PERMIT |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

FIRST FLOOR PLAN

JOB NO: 2322

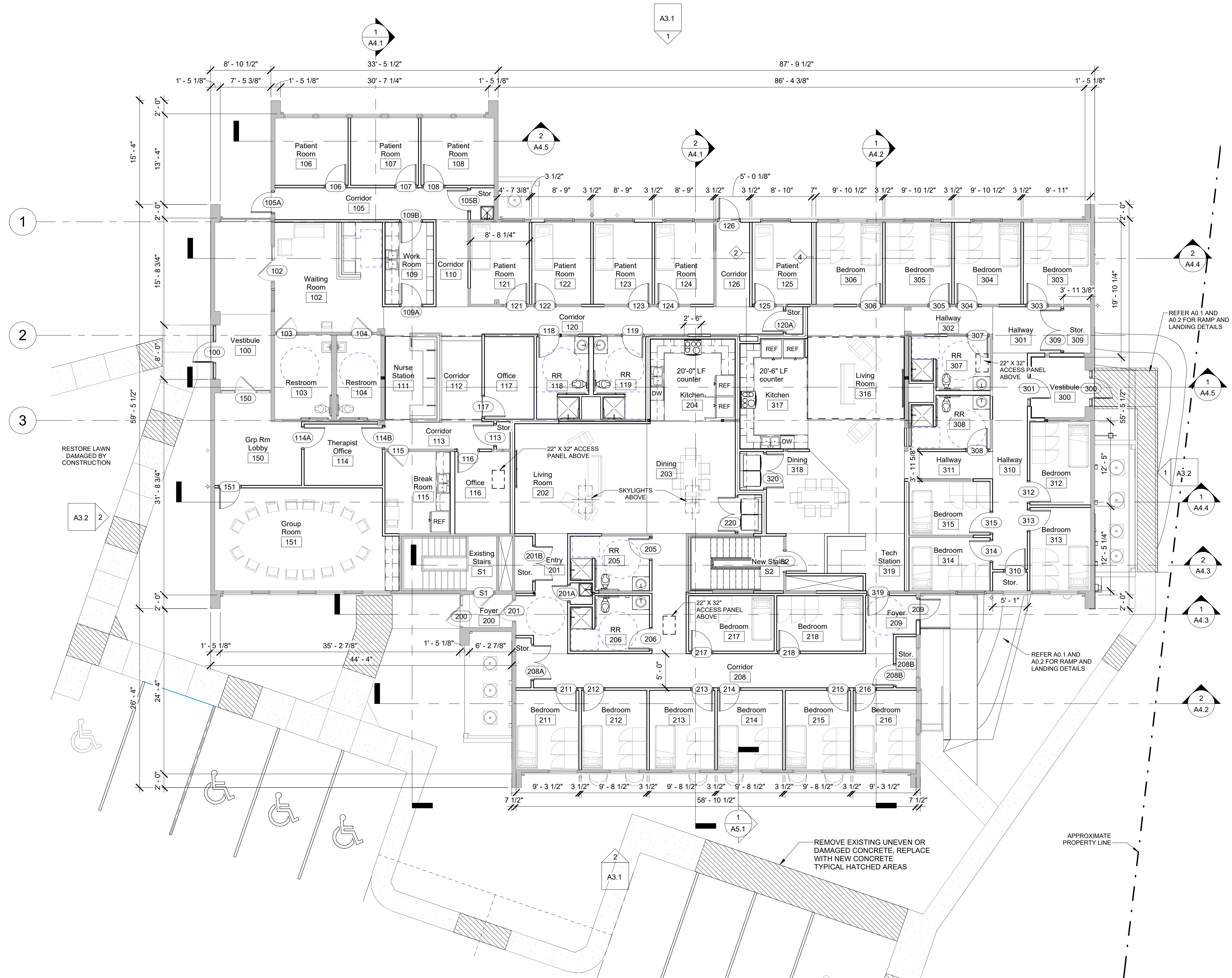
DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A1.1

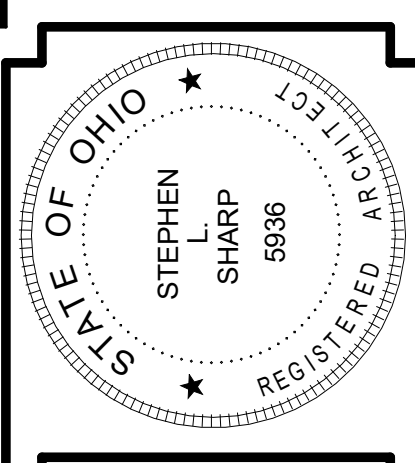
DATE: 2024-04-04
PRINT DATE: 4/4/2024 4:12:09 PM

WALL TYPE LEGEND

REFER SHEETS A1.2 THROUGH A1.4 FOR WALL TYPES



1 Level 1 New
SCALE: 1/8" = 1'-0"



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|-----------|-------------|
| NO. | DESCRIPTION |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

FLOOR PLAN CLINIC

JOB NO: 2322

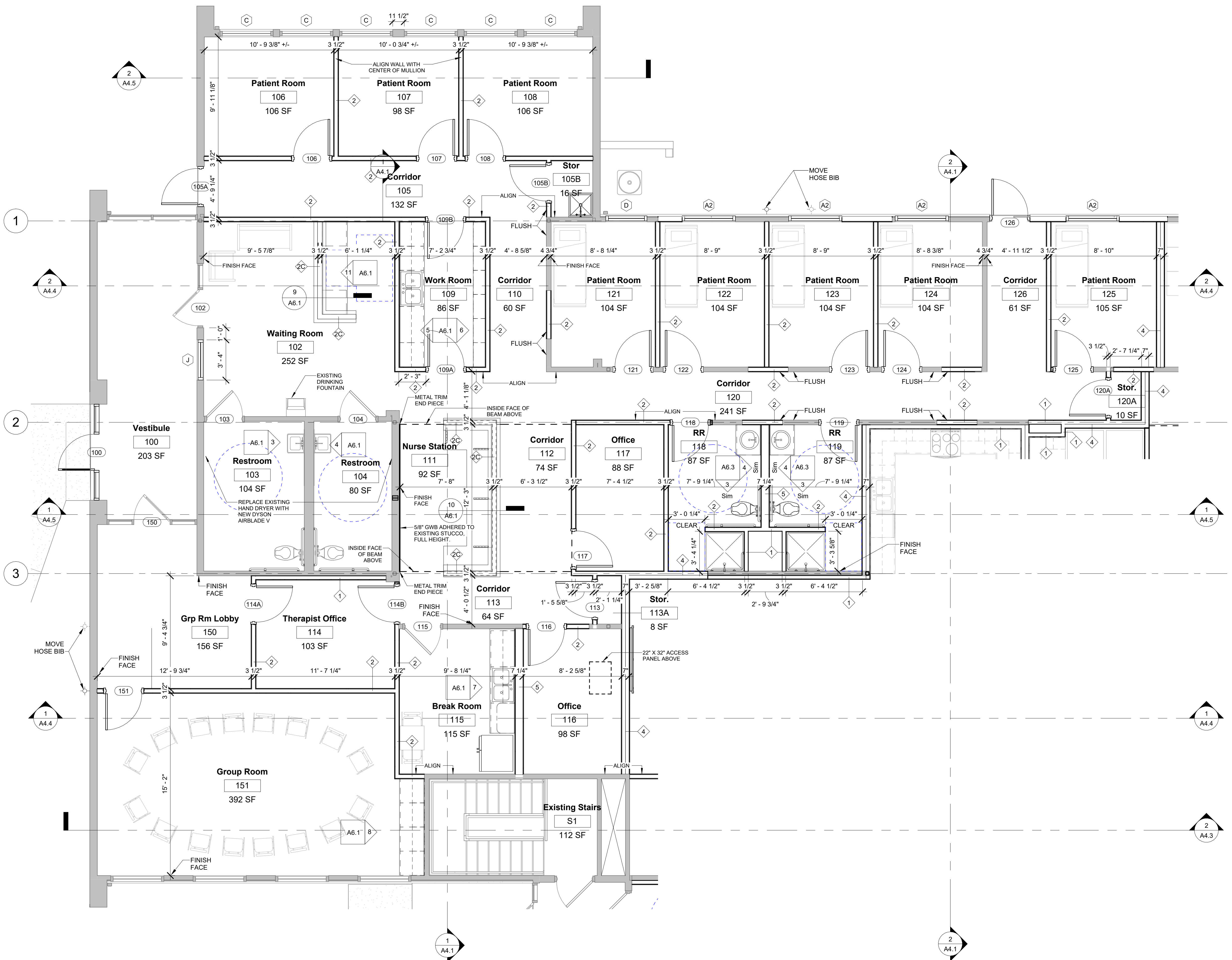
DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A1.2

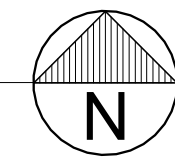
DATE: 2024-04-04

WALL TYPE LEGEND

- DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
- EXISTING WALLS TO REMAIN
 - 1 3/4" WOOD STUDS WITH 5/8" GWB ON ONE SIDE. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE
 - 2 3/4" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE
 - 3 3/4" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. STUDS TO EXTEND TO 42" A.F.F. U.N.O.
 - 4 5/2" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE
 - 5 (2) 3/4" WOOD STUDS STAGGERED WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. STUDS TO EXTEND TO SHEATHING ON UNDERSIDE OF TRUSSES
 - 6 7/4" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. STUDS TO EXTEND TO SHEATHING ON UNDERSIDE OF TRUSSES
 - 7 1/2" WOOD STUD FURRING WITH 5/8" GWB ON ONE SIDE. TYPICAL STUD LENGTH OF 92 5/8" R-11 INSULATION.
 - 8 3/4" STUCCO AND 5/8" PLYWOOD ON 2X6 STUDS @ 16" O.C.



1 Enlarged Plan Clinic
SCALE: 1/4" = 1'-0"



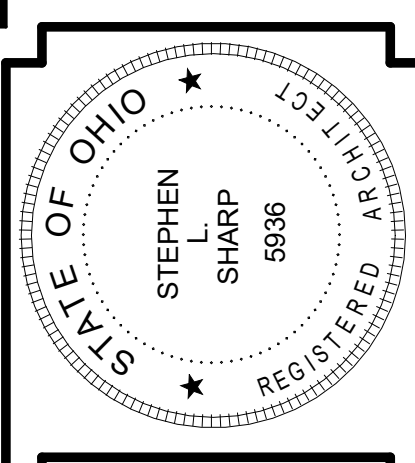


WALL TYPE LEGEND

DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.

| NO. | DESCRIPTION |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | EXISTING WALLS TO REMAIN |
| 2 | 3/4\" WOOD STUDS WITH 5/8\" GWB ON ONE SIDE. TYPICAL STUD LENGTH OF 92 5/8\" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| 3 | 3/4\" WOOD STUDS WITH 5/8\" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. TYPICAL STUD LENGTH OF 92 5/8\" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| 4 | 5/2\" WOOD STUDS WITH 5/8\" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. TYPICAL STUD LENGTH OF 92 5/8\" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| 5 | (2) 3/4\" WOOD STUDS STAGGERED WITH 5/8\" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. STUDS TO EXTEND TO SHEATHING ON UNDERSIDE OF TRUSSES |
| 6 | 7/4\" WOOD STUDS WITH 5/8\" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. STUDS TO EXTEND TO SHEATHING ON UNDERSIDE OF TRUSSES |
| 7 | 1/2\" WOOD STUD FURRING WITH 5/8\" GWB ON ONE SIDE. TYPICAL STUD LENGTH OF 92 5/8\" R-11 INSULATION. |
| 8 | 3/4\" STUCCO AND 5/8\" PLYWOOD ON 2X6 STUDS @ 16\" O.C. |

1 Enlarged Plan House 1
SCALE: 1/4" = 1'-0"



REVISIONS

| NO. | DATE | DESCRIPTION |
|------------|------------|--------------------------|
| 04/02/2024 | 04/02/2024 | SUBMITTED FOR BID PERMIT |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
FLOOR PLAN DWELLING UNIT 1

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A1.3

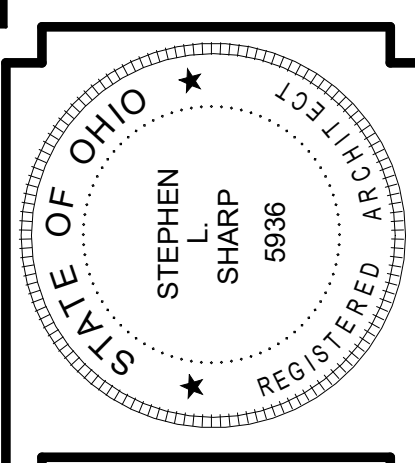
DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:55:50 PM



WALL TYPE LEGEND

DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.

| EXISTING WALLS TO REMAIN | DESCRIPTION |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 3/4" WOOD STUDS WITH 5/8" GWB ON ONE SIDE. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| | 3/4" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| | 3/4" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. STUDS TO EXTEND TO 42" A.F.F. U.N.O. |
| | 5/2" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| | (2) 3/4" WOOD STUDS STAGGERED WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. STUDS TO EXTEND TO SHEATHING ON UNDERSIDE OF TRUSSES |
| | 7/4" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. STUDS TO EXTEND TO SHEATHING ON UNDERSIDE OF TRUSSES |
| | 1 1/2" WOOD STUD FURRING WITH 5/8" GWB ON ONE SIDE. TYPICAL STUD LENGTH OF 92 5/8" R-11 INSULATION. |
| | 3/4" STUCCO AND 5/8" PLYWOOD ON 2X6 STUDS @ 16" O.C. |



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|-----------|-------------|
| NO. | DESCRIPTION |
| | |
| | |
| | |
| | |
| | |

McCall SHARP
ARCHITECTURE

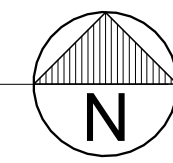
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

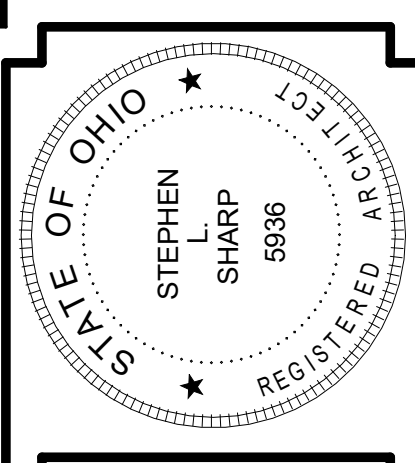
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

FLOOR PLAN DWELLING UNIT 2

1 Enlarged Plan House 2
SCALE: 1/4" = 1'-0"





Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|-----------|-------------|
| NO. | DESCRIPTION |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

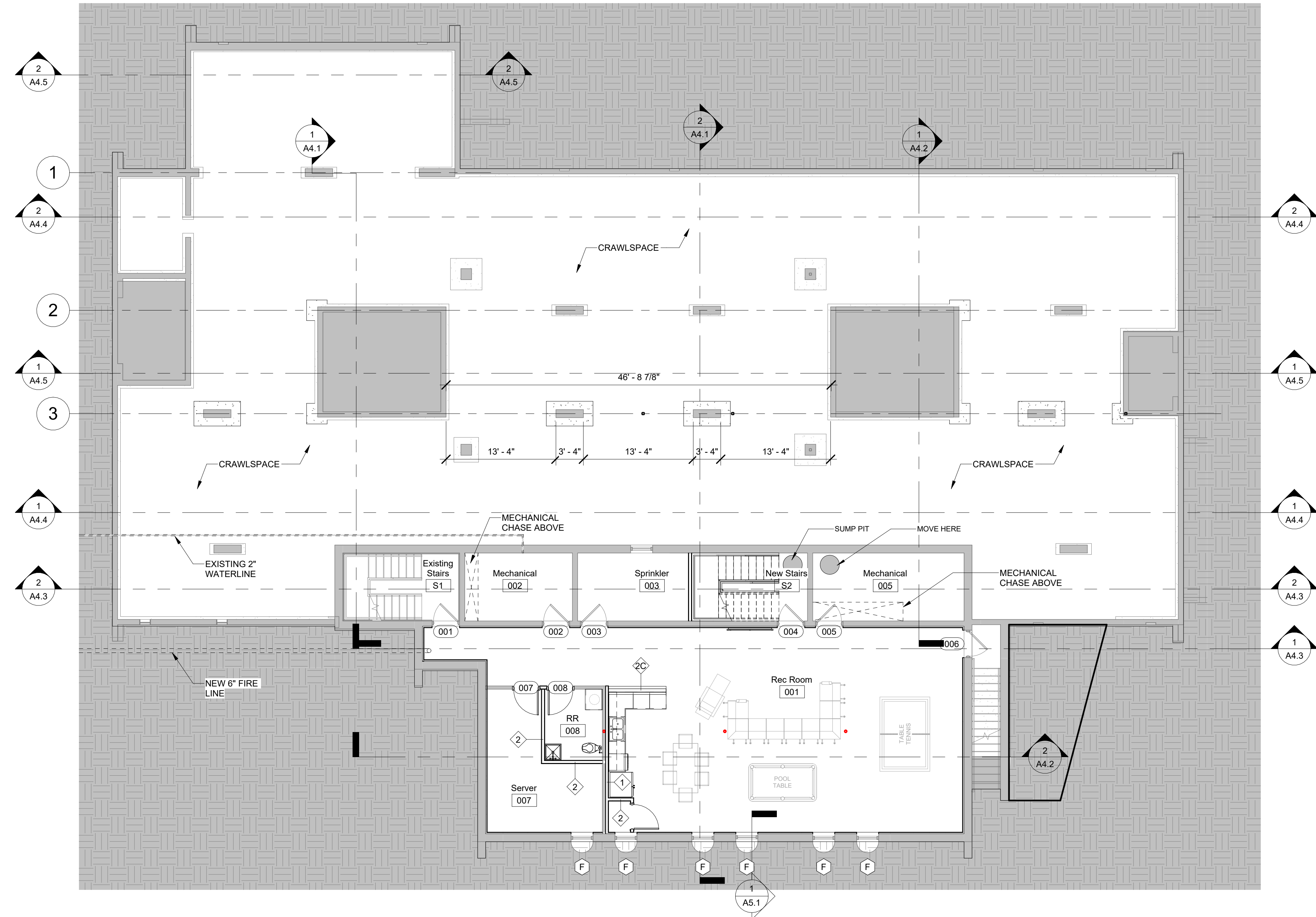
BASEMENT and CRAWLSPACE PLAN

JOB NO: 2322

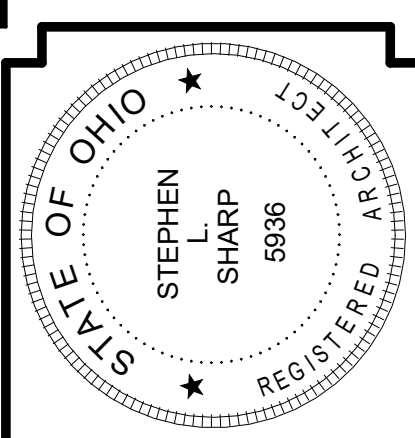
DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A1.5
DATE: 2024-04-04

| WALL TYPE LEGEND | |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE. | |
| | EXISTING WALLS TO REMAIN |
| | 3/4" WOOD STUDS WITH 5/8" GWB ON ONE SIDE. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| | 3/4" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| | 3/4" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. STUDS TO EXTEND TO 42" A.F.F. U.N.O. |
| | 5/2" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| | (2) 3/4" WOOD STUDS STAGGERED WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. STUDS TO EXTEND TO SHEATHING ON UNDERSIDE OF TRUSSES |
| | 7/4" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. STUDS TO EXTEND TO SHEATHING ON UNDERSIDE OF TRUSSES |
| | 1/2" WOOD STUD FURRING WITH 5/8" GWB ON ONE SIDE. TYPICAL STUD LENGTH OF 92 5/8" R-11 INSULATION. |
| | 3/4" STUCCO AND 5/8" PLYWOOD ON 2X6 STUDS @ 16" O.C. |



1 Basement and Crawlspace New
SCALE: 1/8" = 1'-0"



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|-----------|-------------|
| NO. | DESCRIPTION |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

BASEMENT PLAN

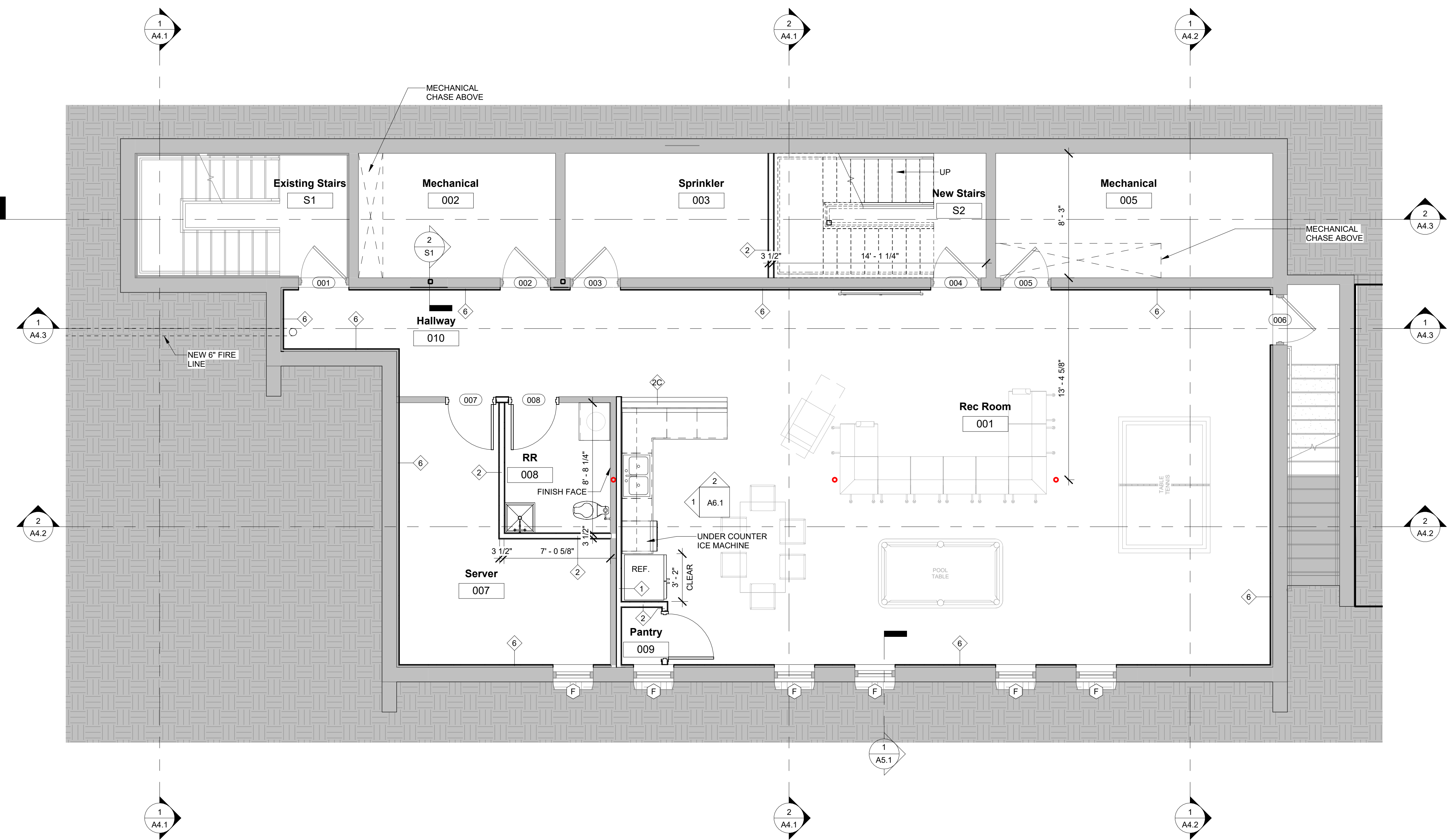
JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

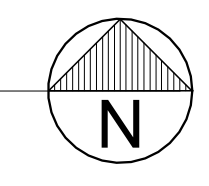
A1.6

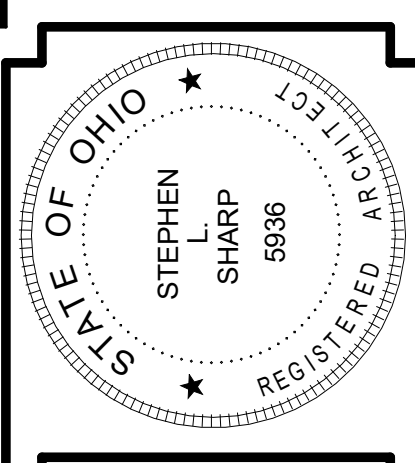
DATE: 2024-04-04

| WALL TYPE LEGEND | |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE. | |
| | EXISTING WALLS TO REMAIN |
| | 3 1/2" WOOD STUDS WITH 5/8" GWB ON ONE SIDE. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| | 3 1/2" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| | 3 1/2" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. STUDS TO EXTEND TO 42" A.F.F. U.N.O. |
| | 5 1/2" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. TYPICAL STUD LENGTH OF 92 5/8" WITH SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE |
| | (2) 3 1/2" WOOD STUDS STAGGERED WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. STUDS TO EXTEND TO SHEATHING ON UNDERSIDE OF TRUSSES |
| | 7 1/2" WOOD STUDS WITH 5/8" GWB ON BOTH SIDES. PROVIDE SOUND BATT INSULATION IN WALLS. STUDS TO EXTEND TO SHEATHING ON UNDERSIDE OF TRUSSES |
| | 1 1/2" WOOD STUD FURRING WITH 5/8" GWB ON ONE SIDE. TYPICAL STUD LENGTH OF 92 5/8" R-11 INSULATION. |
| | 3/4" STUCCO AND 5/8" PLYWOOD ON 2X6 STUDS @ 16" O.C. |



1 Basement New
SCALE: 1/4" = 1'-0"





Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/02/2024 | SUBMITTED FOR BID/PERMIT |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

FIRST FLOOR CEILING PLAN

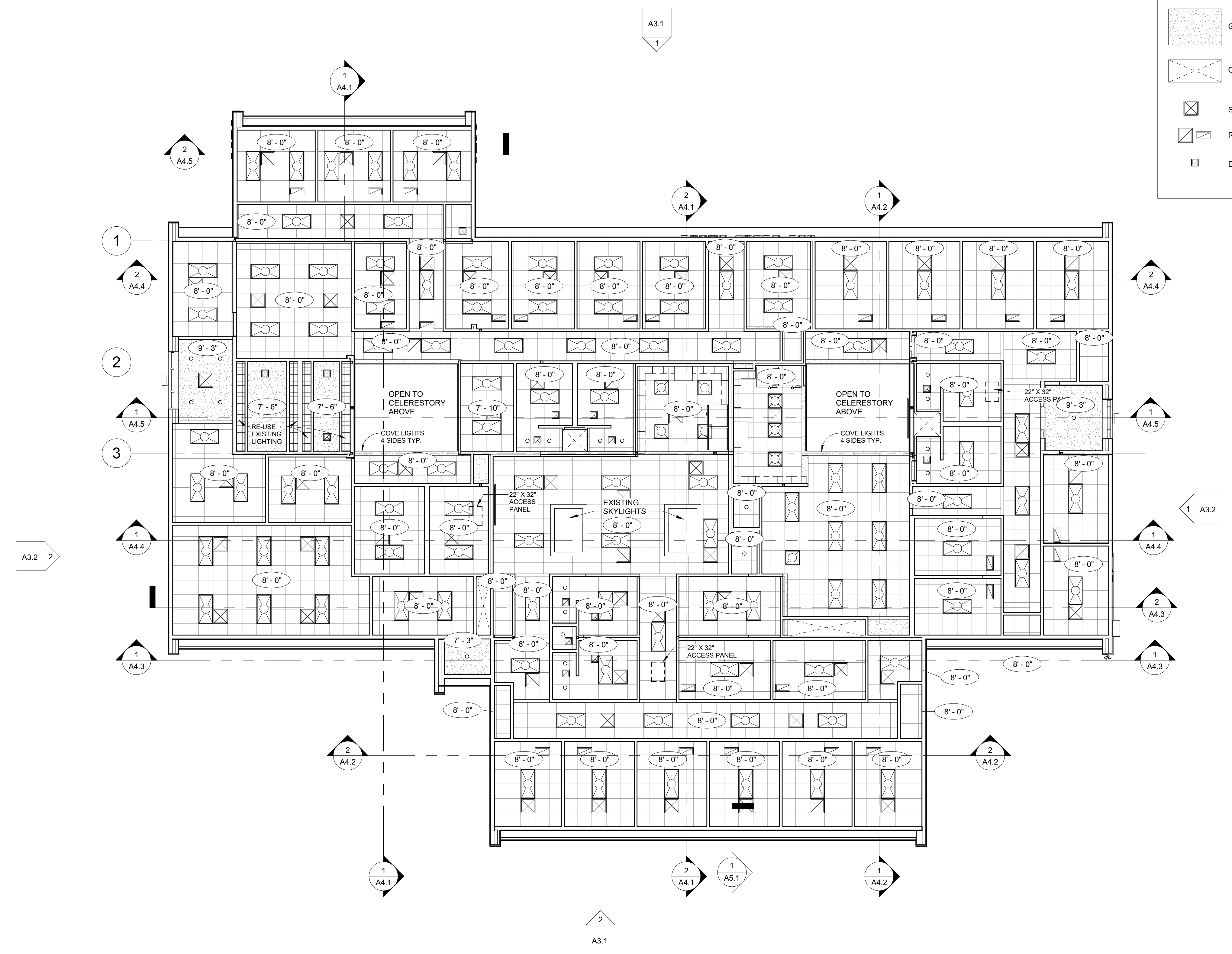
JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

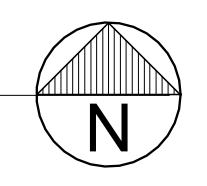
A2.1

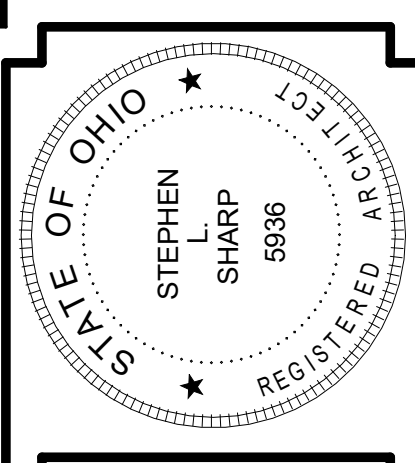
DATE: 2024-04-04

| CEILING LEGEND | |
|----------------|--------------------------------------------------------------------|
| | 2X2 RECESSED LIGHT |
| | 2X4 RECESSED LIGHT |
| | RECESSED CAN LIGHT |
| | SUSPENDED SHOP LIGHT |
| | 8'-0" CEILING HEIGHT |
| | 2X2 ACOUSTICAL CEILING GRID ARMSTRONG ULTIMA BEVELED TEGULAR |
| | GWB CEILING |
| | CHASE FOR MEP |
| | SUPPLY DIFFUSER, REFER HVAC |
| | RETURN DIFFUSER, REFER HVAC |
| | EXHAUST VENT |



1 Level 1
SCALE: 1/8" = 1'-0"

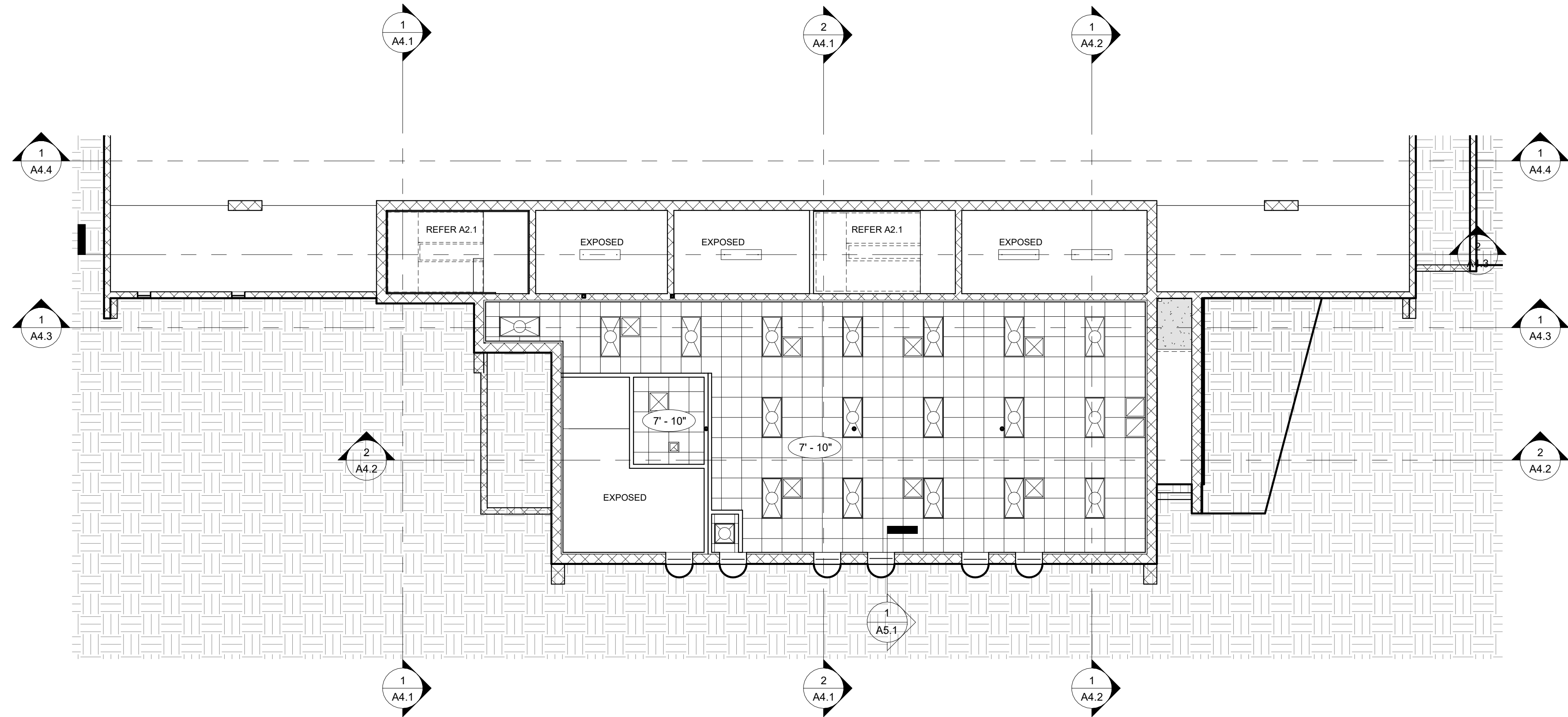




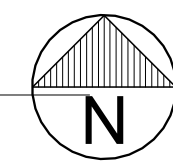
Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|-----------|-------------|
| NO. | DESCRIPTION |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| CEILING LEGEND | |
|----------------|--------------------------------------------------------------------|
| | 2X2 RECESSED LIGHT |
| | 2X4 RECESSED LIGHT |
| | RECESSED CAN LIGHT |
| | SUSPENDED SHOP LIGHT |
| | CEILING HEIGHT |
| | 2X2 ACOUSTICAL CEILING GRID ARMSTRONG ULTIMA BEVELED TEGULAR |
| | GWB CEILING |
| | CHASE FOR MEP |
| | SUPPLY DIFFUSER, REFER HVAC |
| | RETURN DIFFUSER, REFER HVAC |
| | EXHAUST VENT |



1 Basement
SCALE: 1/8" = 1'-0"



McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

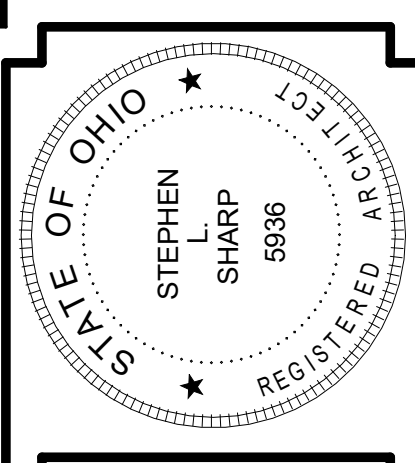
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
BASEMENT CEILING PLAN

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A2.2

DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:55:59 PM



Stephen L. Sharp, License #5936
Expiration Date 12/31/2024

REVISIONS

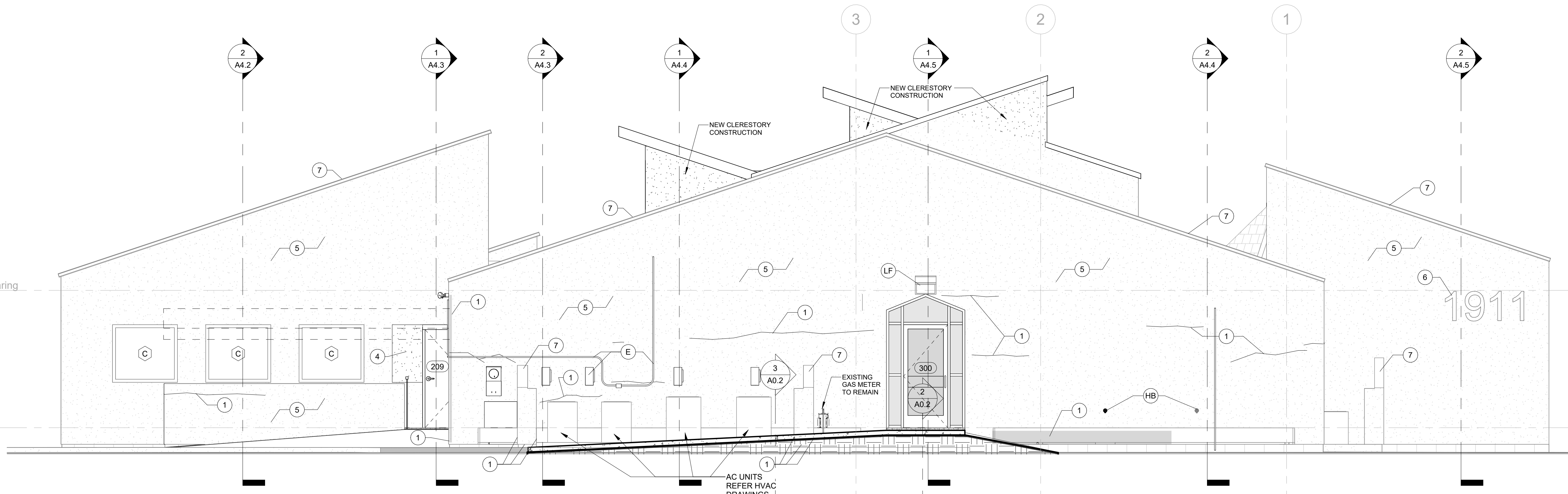
| NO. | DATE | DESCRIPTION |
|-----|------------|--------------------------|
| | 04/02/2024 | SUBMITTED FOR BID/PERMIT |

© COPYRIGHT 2024 BY McCALL SHARP ARCHITECTURE LTD.

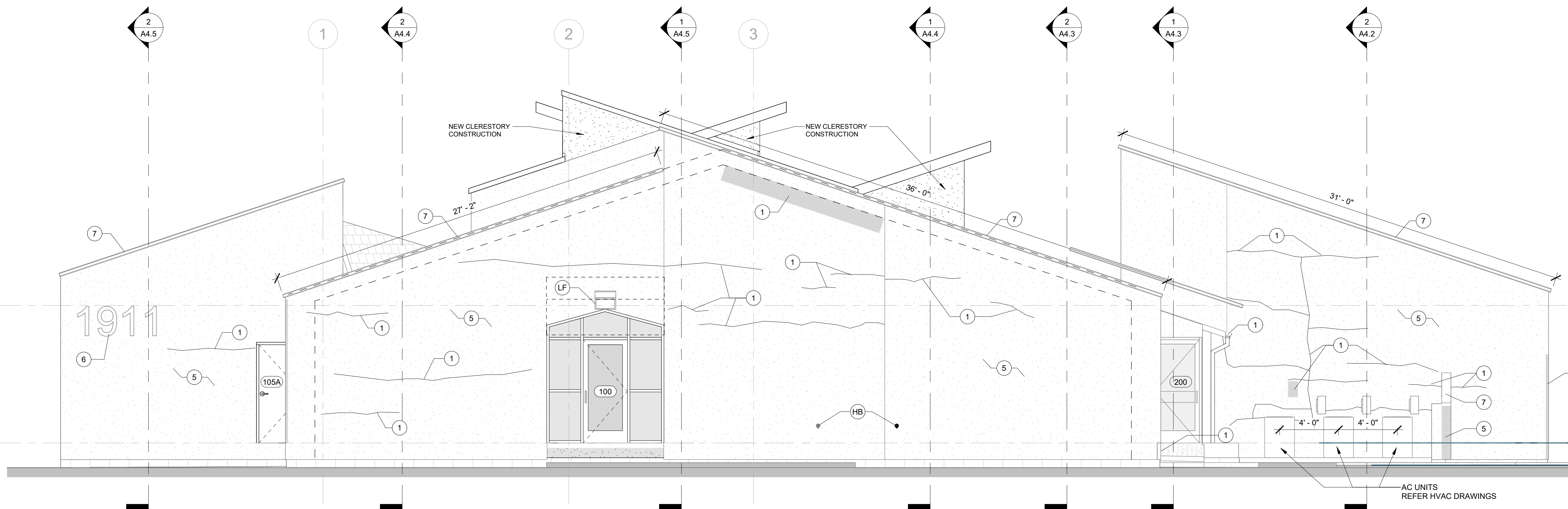
McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)322-4300
F: (937)322-8142

ELEVATION LEGEND

- 101 DOOR TAG
REFER A7.2
- 11 WINDOW TAG
REFER A7.3
REPLACE EXISTING WINDOWS
WITH NEW U.N.O.
- 1 CLEAN AND SMOOTH REPAIR
CRACKED OR DAMAGED STUCCO
PROVIDE FIBERGLASS
REINFORCING MESH OVER
CRACKS, 1" EACH SIDE, TYPICAL.
- 2 NOT USED
- 3 REPLACE EXISTING GUTTER AND
FASCIA WITH NEW METAL.
GUTTER AND NEW WOOD FASCIA
WRAPPED IN METAL.
VENTED SOFFIT TO REMAIN,
REPLACE IN KIND IF DAMAGED.
- 4 INFILL WALL WHERE
WINDOW WAS REMOVED
MATCH ADJACENT WALL
- 5 POWERWASH, CLEAN
AND RE-COAT STUCCO
WITH EIFS TOP COAT
MATCH EXISTING COLOR
- 6 EXISTING SIGNAGE TO REMAIN,
CLEAN, REPAIR IF DAMAGED
- 7 REMOVE EXISTING COPING.
NEW SNAP LOCK PAINTED
STAINLESS STEEL COPING, SET
ON NEW WATERPROOF EPDM
MEMBRANE UNDER COPING.
REFER 3/A5.1
- 8 EXISTING ASPHALT SHINGLES
TO REMAIN
- 9 NEW ASPHALT SHINGLES
MATCH EXISTING
OVERLAY WITH ADJACENT
EXISTING SHINGLES TO
PREVENT WATER INFILTRATION
- E ELECTRICAL EQUIPMENT
- SF EXISTING STOREFRONT
GLAZING, REPAIR IF
NECESSARY TO ASSURE
WATER AND AIR
TIGHTNESS.
REPLACE IN KIND IF
BEYOND REPAIR.
- LF EXISTING LIGHT FIXTURE
TO BE REPLACED WITH
NEW LED FIXTURE
REFER ELECTRIC
- DS EXISTING DOWNSPOUT
REPLACE WITH SIMILAR SIZE
AND MATERIAL
TIE INTO EXISTING DRAIN
SYSTEM IF AVAILABLE
OTHERWISE, PROVIDE
CONCRETE SPLASH BLOCK
- HB MOVE EXISTING HOSE BIB (IN GRAY)
TO NEW LOCATION (IN BLACK)
BASED ON LOCATION OF NEW
INTERIOR WALLS.
REFER A1.2 THRU A1.3 FOR
LOCATIONS. REPAIR STUCCO AT OLD
HOSE BIB LOCATION



1 EAST ELEVATION
SCALE: 1/4" = 1'-0"



2 WEST ELEVATION
SCALE: 1/4" = 1'-0"

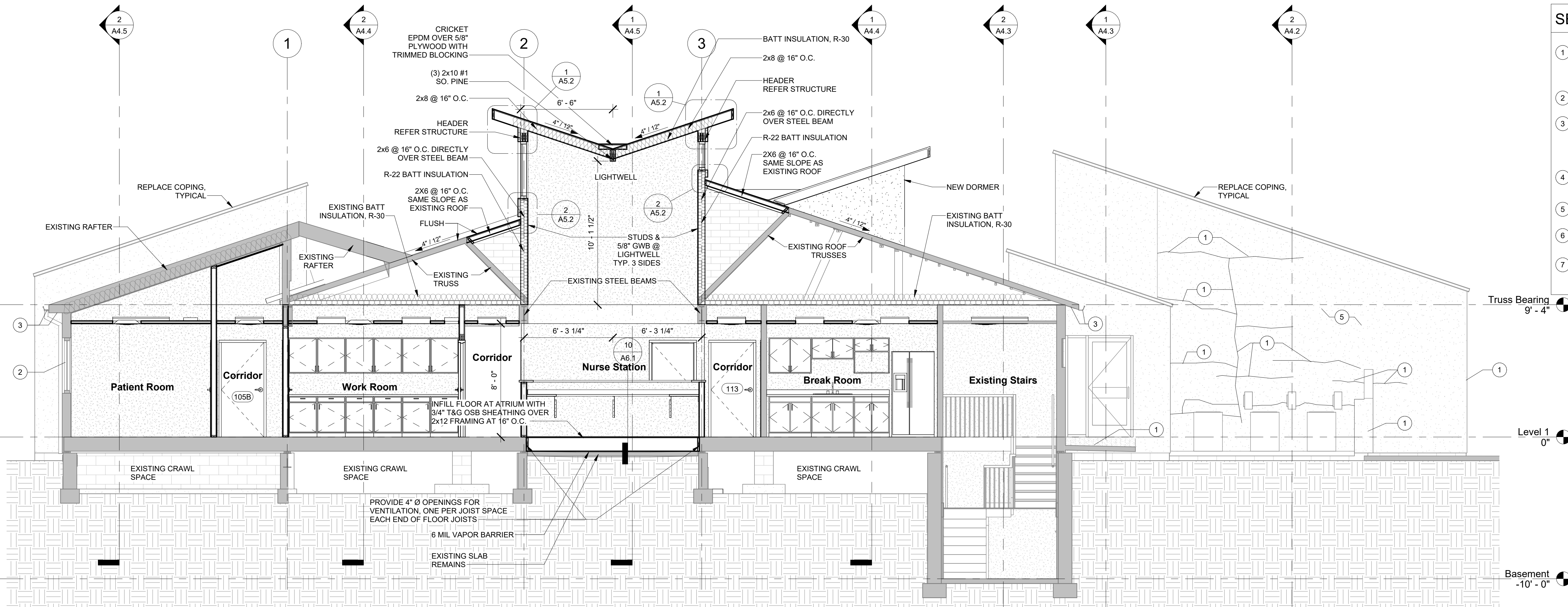
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
EXTERIOR ELEVATIONS

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

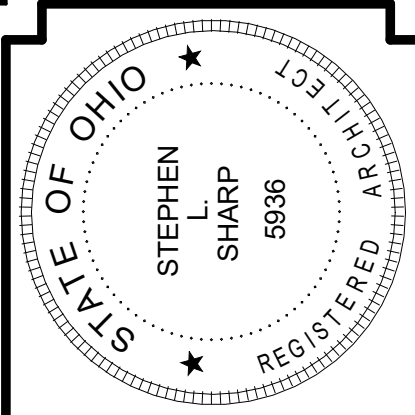
A3.2

DATE 2024-04-04
PRINT DATE: 4/4/2024 3:56:06 PM



SECTION LEGEND

- 1 CLEAN AND SMOOTH REPAIR CRACKED OR DAMAGED STUCCO PROVIDE FIBERGLASS REINFORCING MESH OVER CRACKS, 18" EACH SIDE, TYPICAL.
- 2 REPLACE EXISTING WINDOW WITH NEW
- 3 REPLACE EXISTING GUTTER AND FASCIA WITH NEW METAL GUTTER AND NEW WOOD FASCIA WRAPPED IN METAL. VENTED SOFFIT TO REMAIN. REPLACE IN KIND IF DAMAGED.
- 4 INFILL WALL WHERE WINDOW WAS REMOVED MATCH ADJACENT WALL
- 5 POWERWASH, CLEAN AND RE-COAT STUCCO WITH EIFS TOP COAT MATCH EXISTING COLOR
- 6 NOT USED
- 7 REMOVE EXISTING COPING. NEW SNAP-LOCK PAINTED STAINLESS STEEL COPING. SET ON NEW WATERPROOF EPDM MEMBRANE UNDER COPING. REFER 3/A5.1

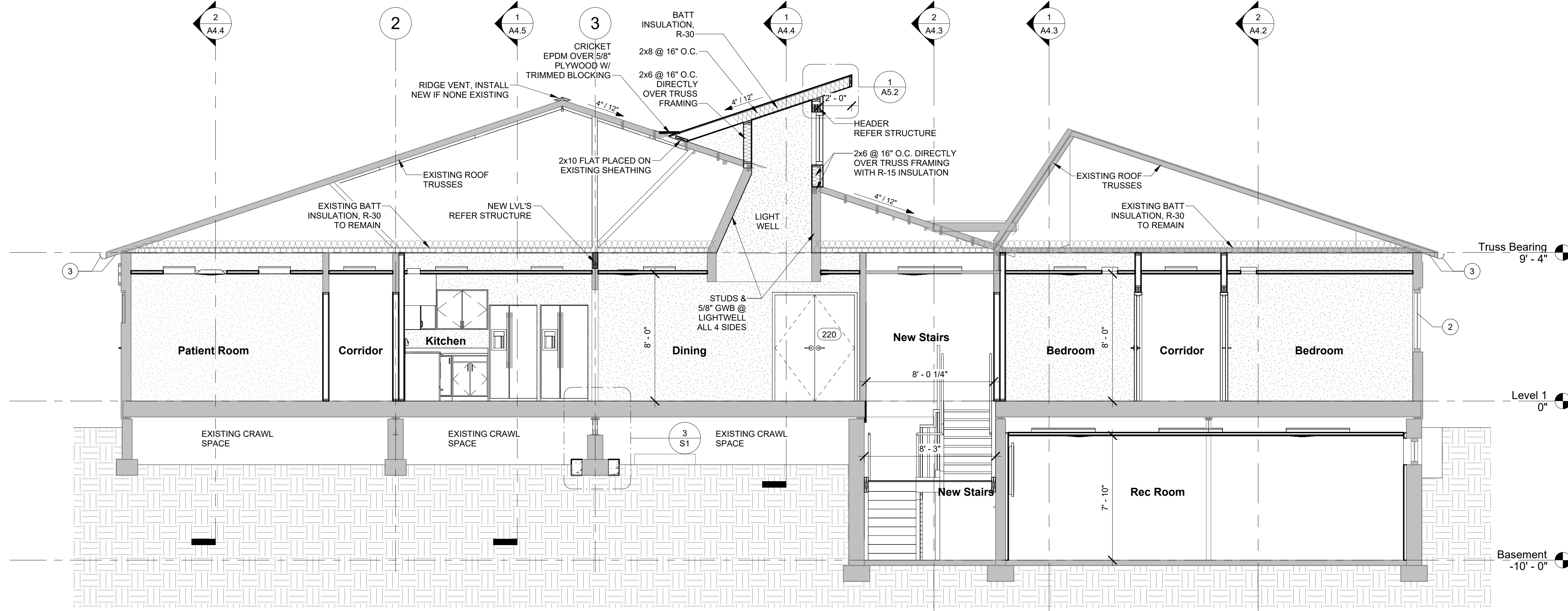


Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|-----------|-------------|
| NO. | DESCRIPTION |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

1 Looking East 1
SCALE: 1/4" = 1'-0"



2 Looking East 2
SCALE: 1/4" = 1'-0"

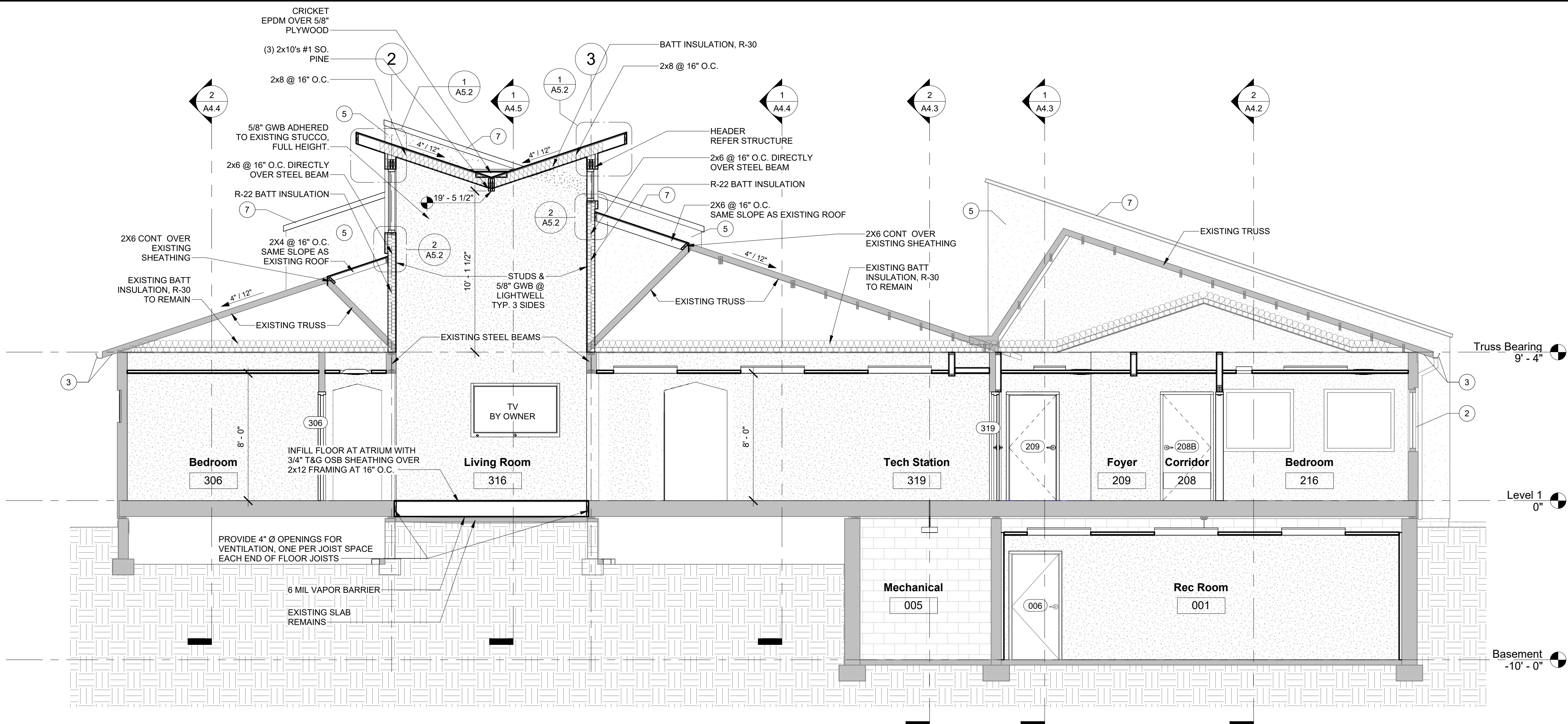
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
BUILDING SECTIONS

JOB NO: 2322

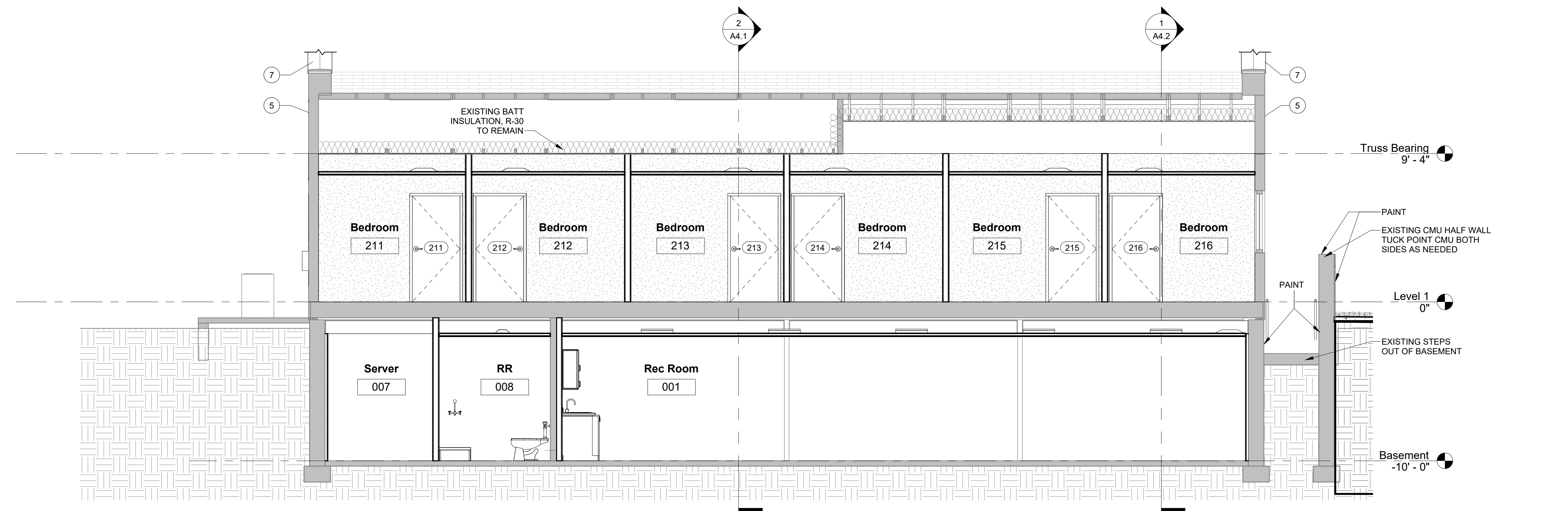
DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A4.1

DATE: 2024-04-04



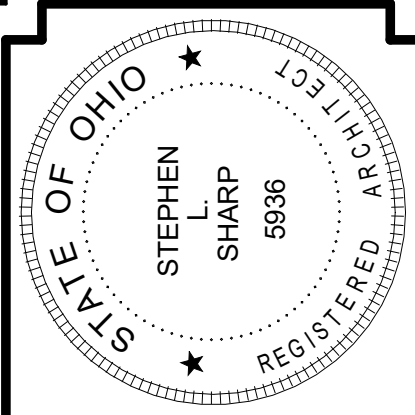
1 Looking East 3
SCALE: 1/4" = 1'-0"



2 Looking North 1
SCALE: 1/4" = 1'-0"

SECTION LEGEND

- 1 CLEAN AND SMOOTH REPAIR CRACKED OR DAMAGED STUCCO. PROVIDE FIBERGLASS REINFORCING MESH OVER CRACKS, 18" EACH SIDE, TYPICAL.
- 2 REPLACE EXISTING WINDOW WITH NEW
- 3 REPLACE EXISTING GUTTER AND FASCIA WITH NEW METAL GUTTER AND NEW WOOD FASCIA. WRAPPED IN METAL. VENTED SOFFIT TO REMAIN. REPLACE IN KIND IF DAMAGED.
- 4 INFILL WALL WHERE WINDOW WAS REMOVED. MATCH ADJACENT WALL.
- 5 POWERWASH, CLEAN AND RE-COAT STUCCO WITH EIFS TOP COAT. MATCH EXISTING COLOR.
- 6 NOT USED
- 7 REMOVE EXISTING COPING. NEW SNAP-LOCK PAINTED STAINLESS STEEL COPING. SET ON NEW WATERPROOF EPDM MEMBRANE UNDER COPING. REFER 3/A5.1



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------------|--------------------------|
| 1 | 04/04/2024 | SUBMITTED FOR BID PERMIT |

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)322-4300
F: (937)322-8142

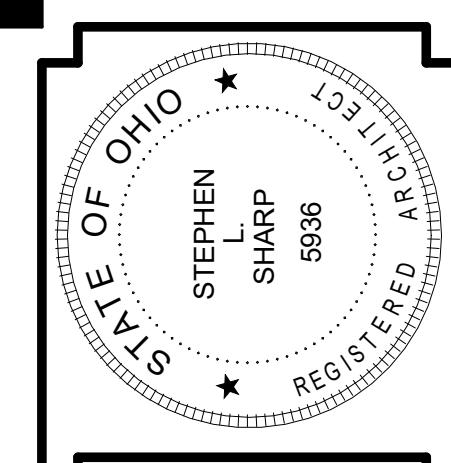
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
BUILDING SECTIONS

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

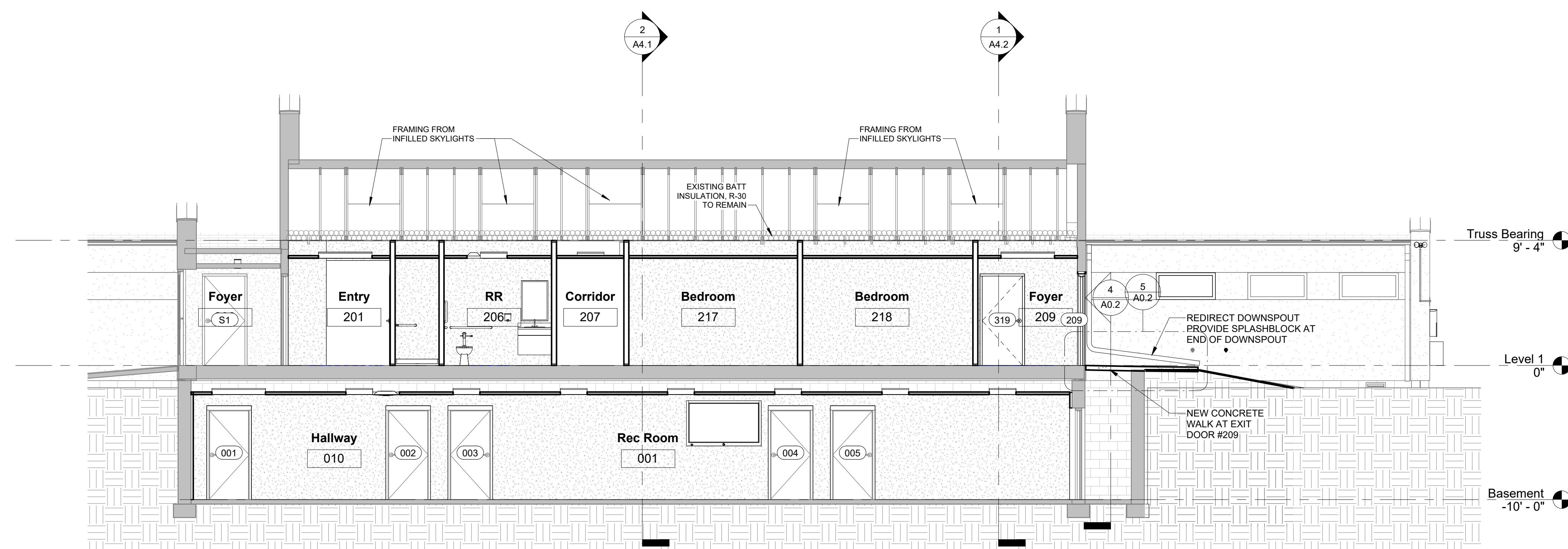
A4.2

DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:55:11 PM

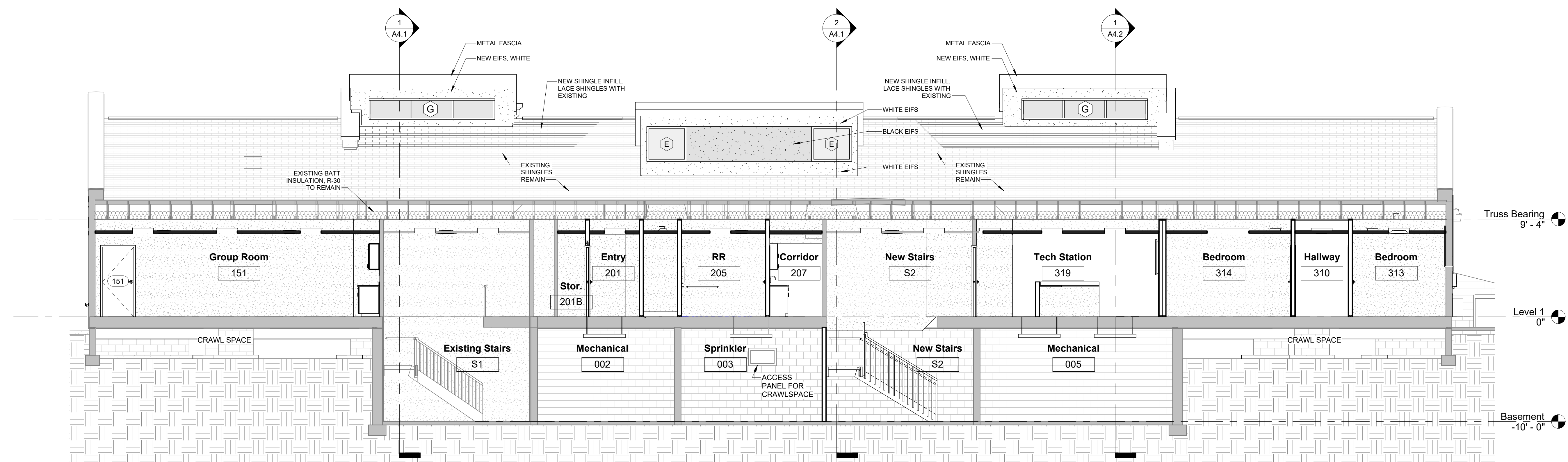


Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|-----------|--------------------------|
| NO. | DESCRIPTION |
| 1 | SUBMITTED FOR BID PERMIT |
| 2 | |
| 3 | |
| 4 | |
| 5 | |



1 Looking North 2
SCALE: 3/16" = 1'-0"



2 Looking North 3
SCALE: 3/16" = 1'-0"

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

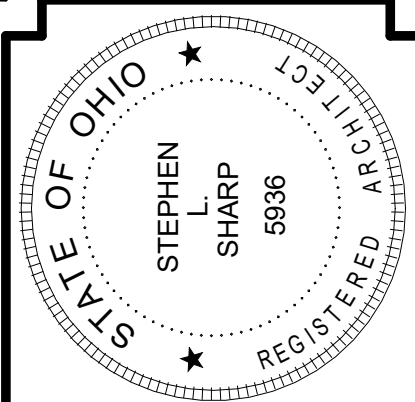
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
BUILDING SECTIONS

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

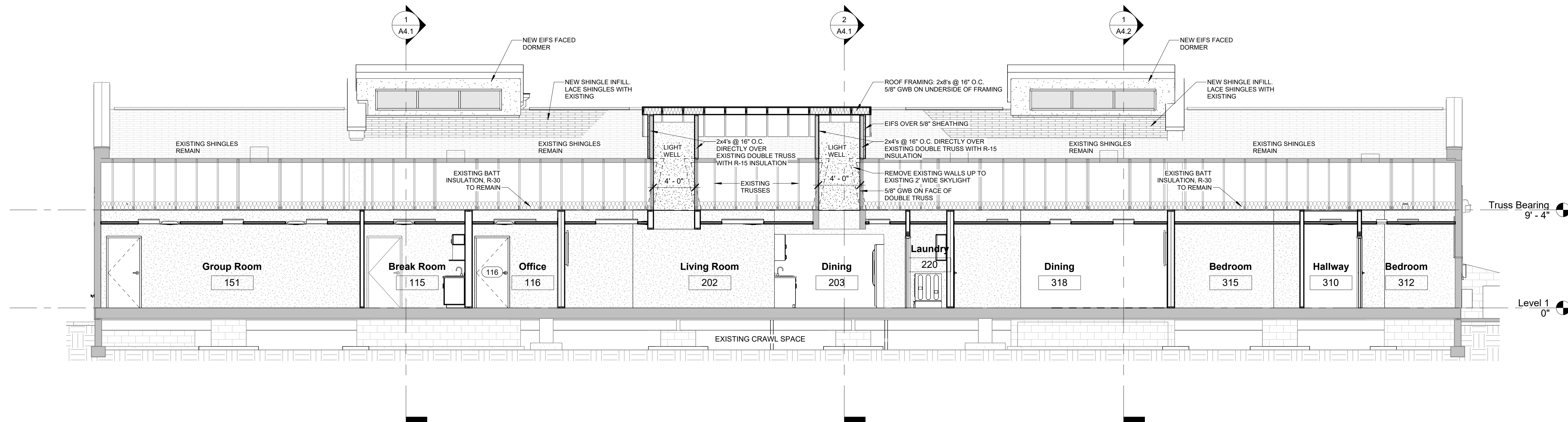
A4.3

DATE: 2024-04-04

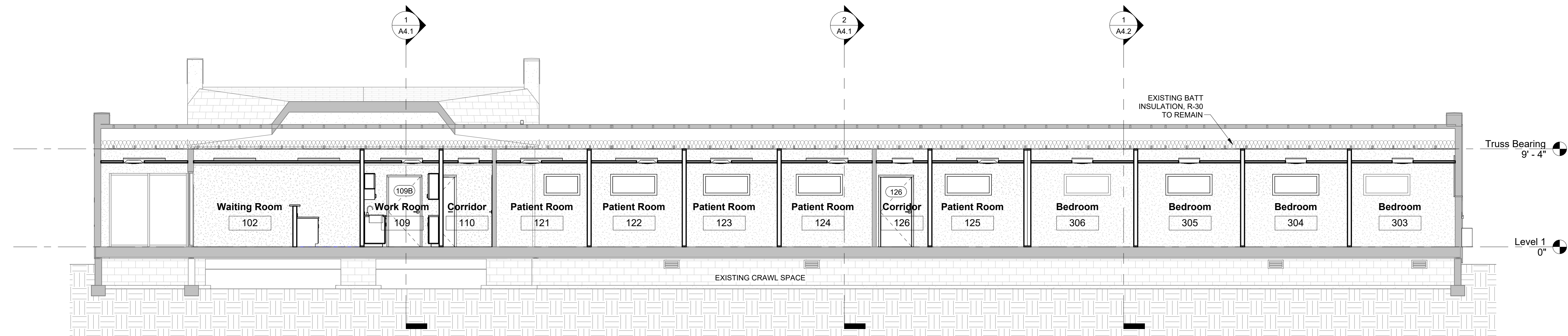


Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/02/2024 | SUBMITTED FOR BID/PERMIT |



1 Looking North 4
SCALE: 3/16" = 1'-0"



2 Looking North 5
SCALE: 3/16" = 1'-0"

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

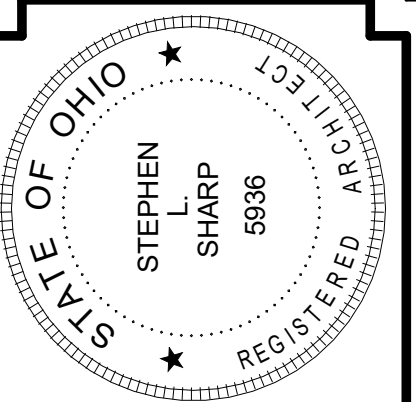
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
BUILDING SECTIONS

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A4.4

DATE 2024-04-04



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------------|--------------------------|
| 1 | 04/02/2024 | SUBMITTED FOR BID PERMIT |

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
BUILDING SECTIONS

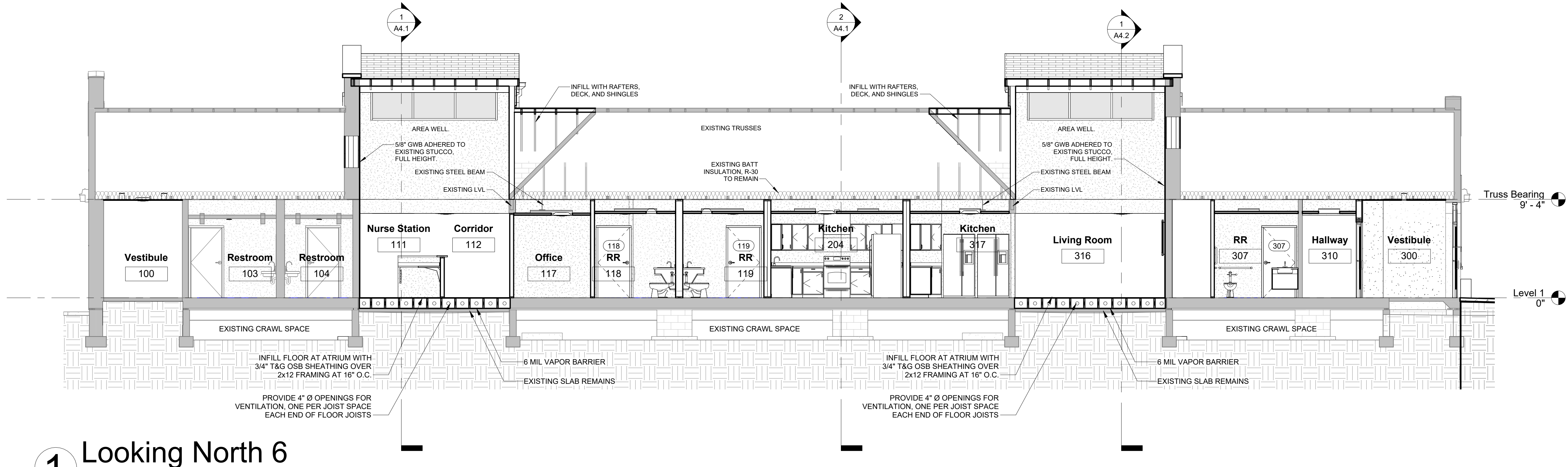
JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

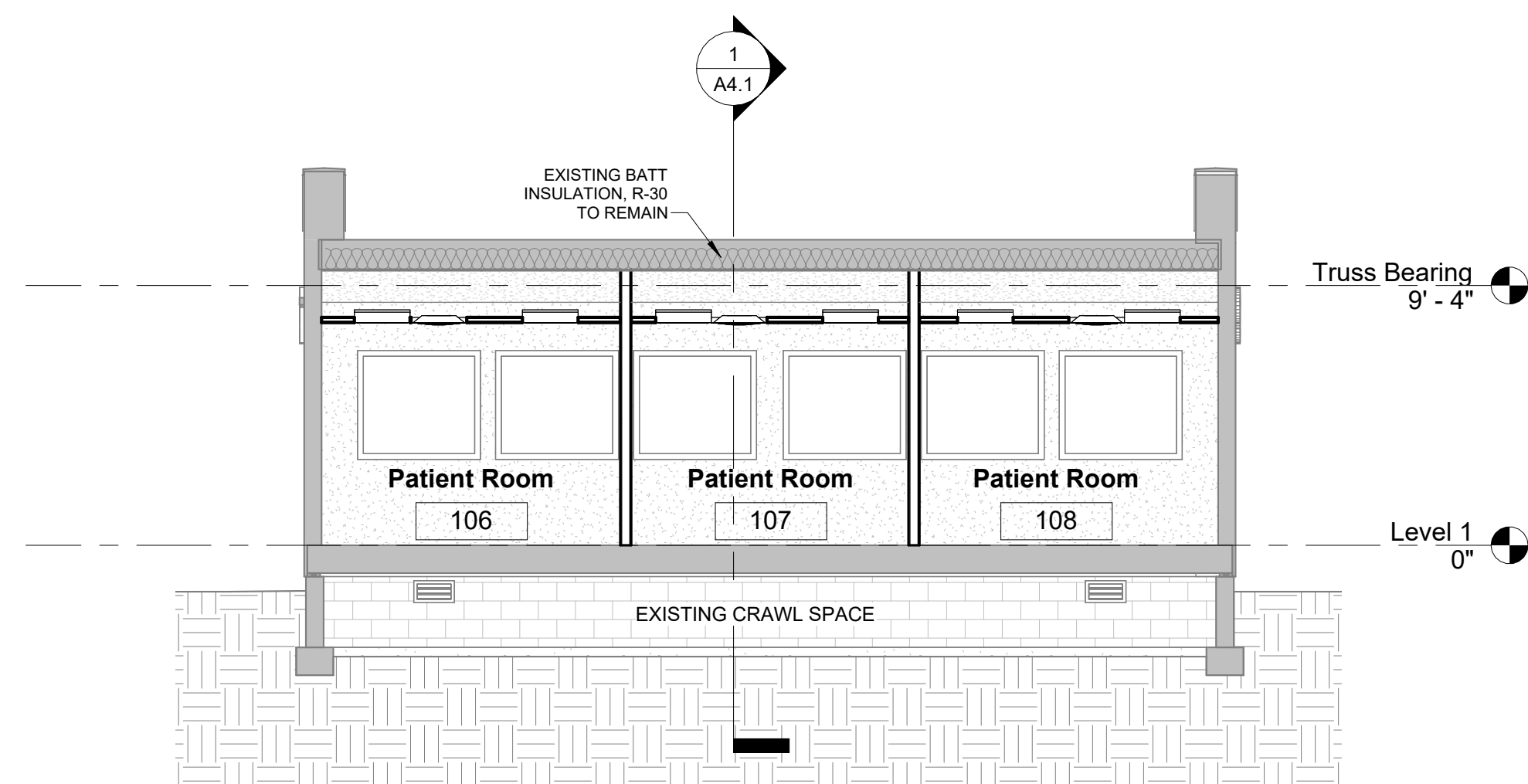
A4.5

DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:55:16 PM

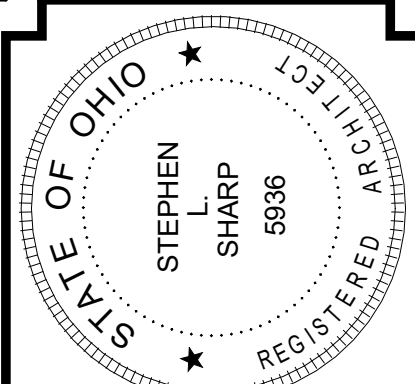
© COPYRIGHT 2024 BY MCCALL SHARP ARCHITECTURE LTD.



1 Looking North 6
SCALE: 3/16" = 1'-0"



2 Looking North 7
SCALE: 3/16" = 1'-0"



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/04/2024 | SUBMITTED FOR BID/PERMIT |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

WALL SECTIONS

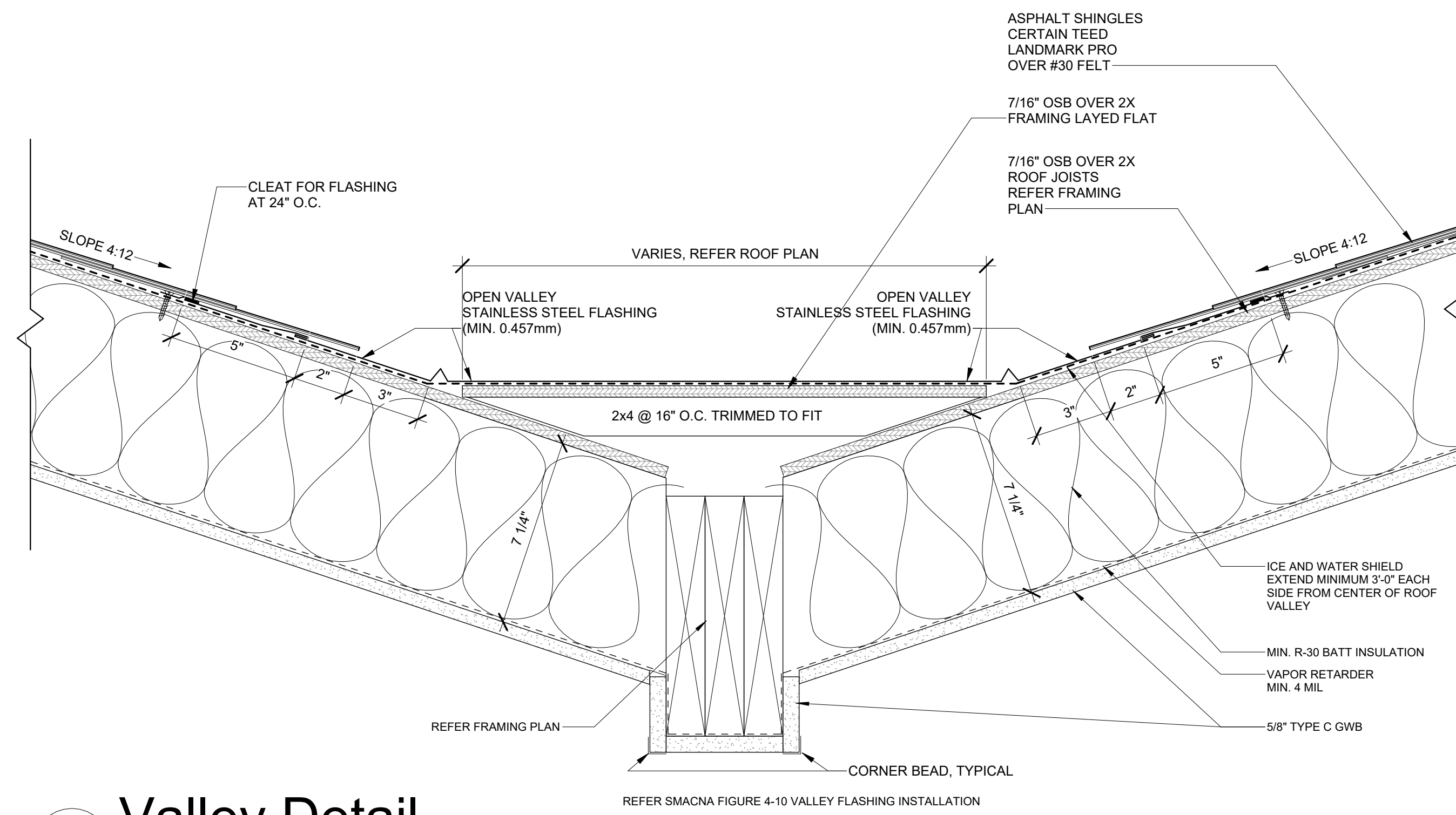
JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

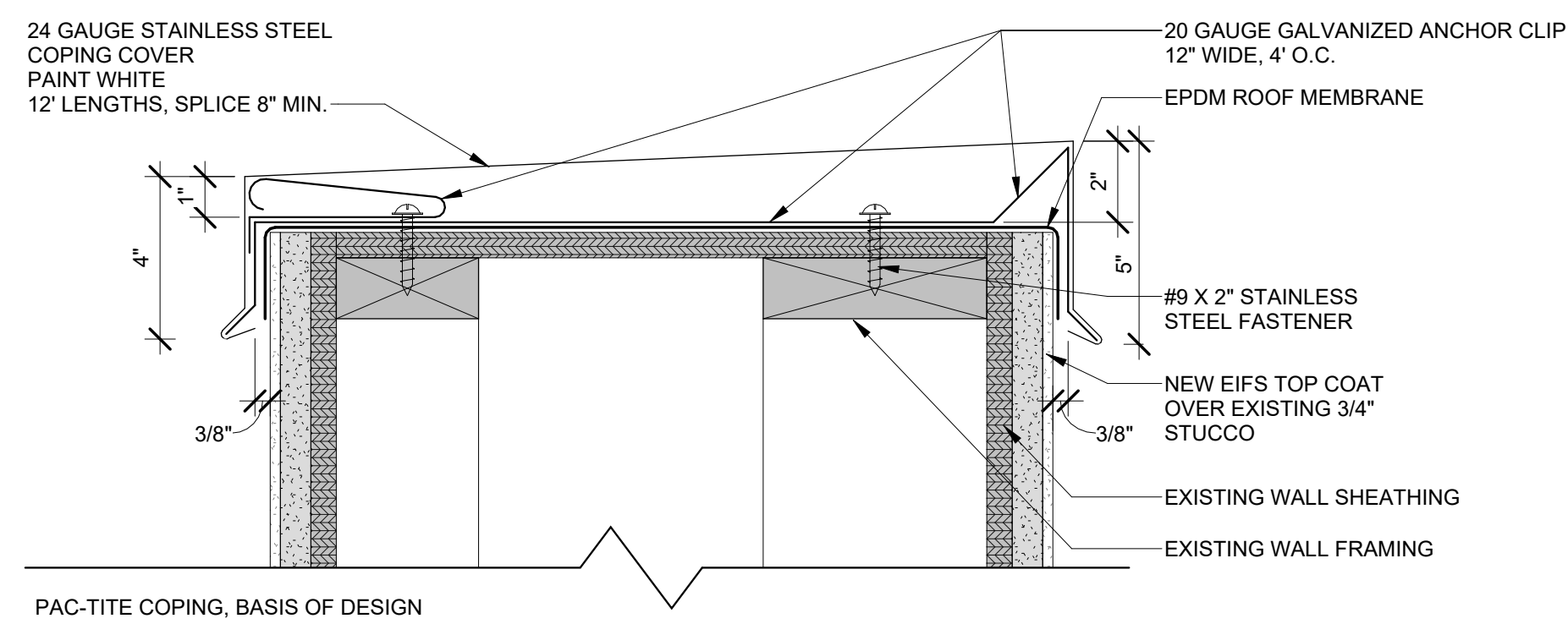
A5.1

DATE: 2024-04-04

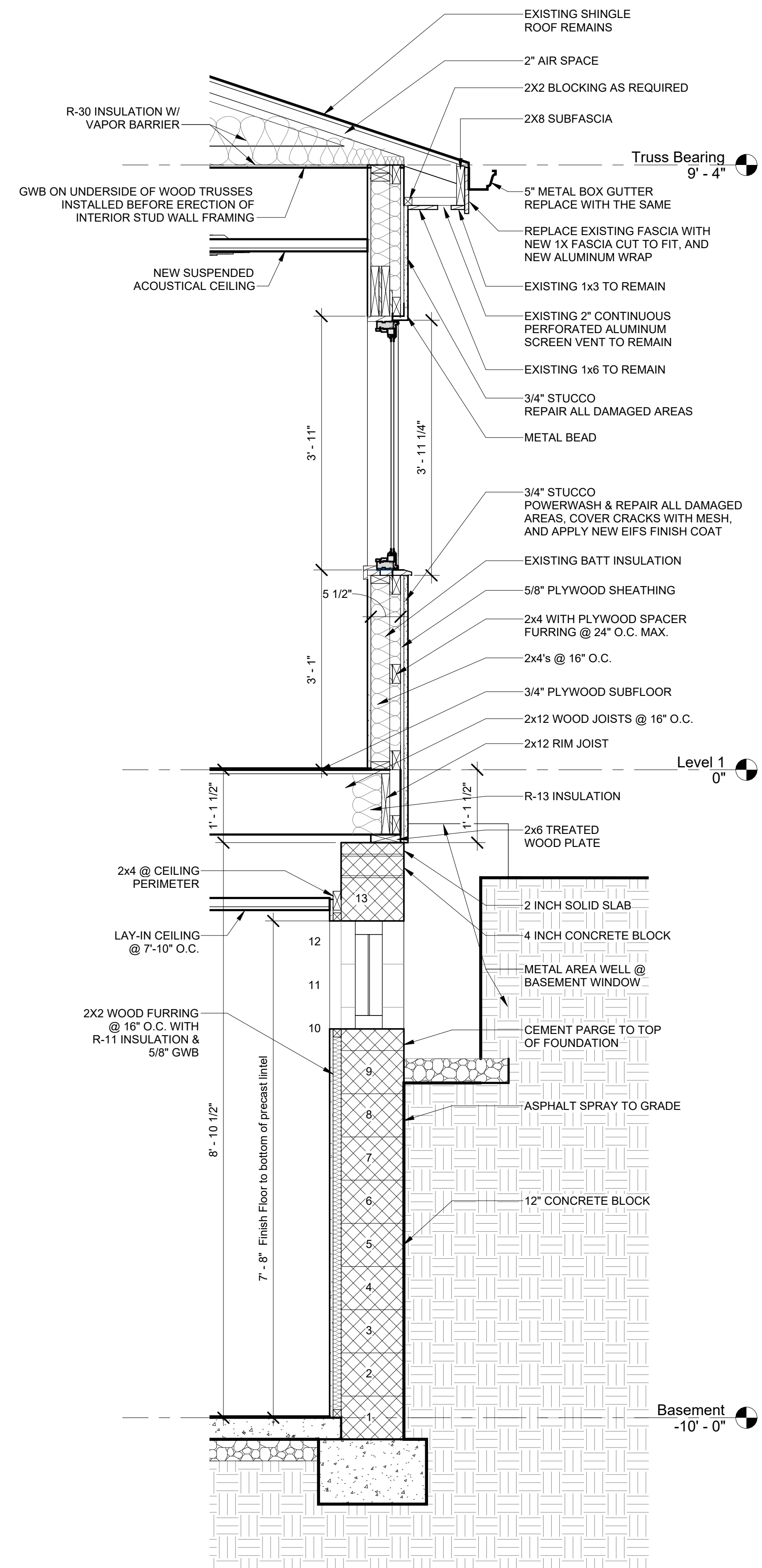
© COPYRIGHT 2024 BY McCALL SHARP ARCHITECTURE LTD.



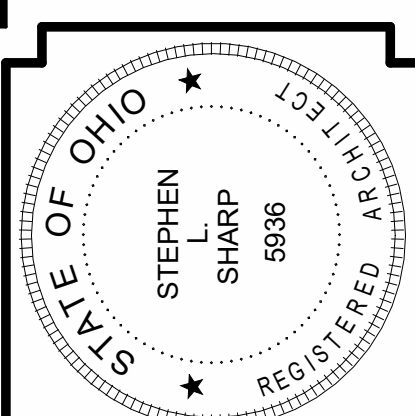
2 Valley Detail
SCALE: 3" = 1'-0"



3 Coping Detail
SCALE: 3" = 1'-0"



1 Existing Wall Section
SCALE: 3/4" = 1'-0"



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|-----------|-------------|
| NO. | DESCRIPTION |
| | |
| | |
| | |
| | |
| | |

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

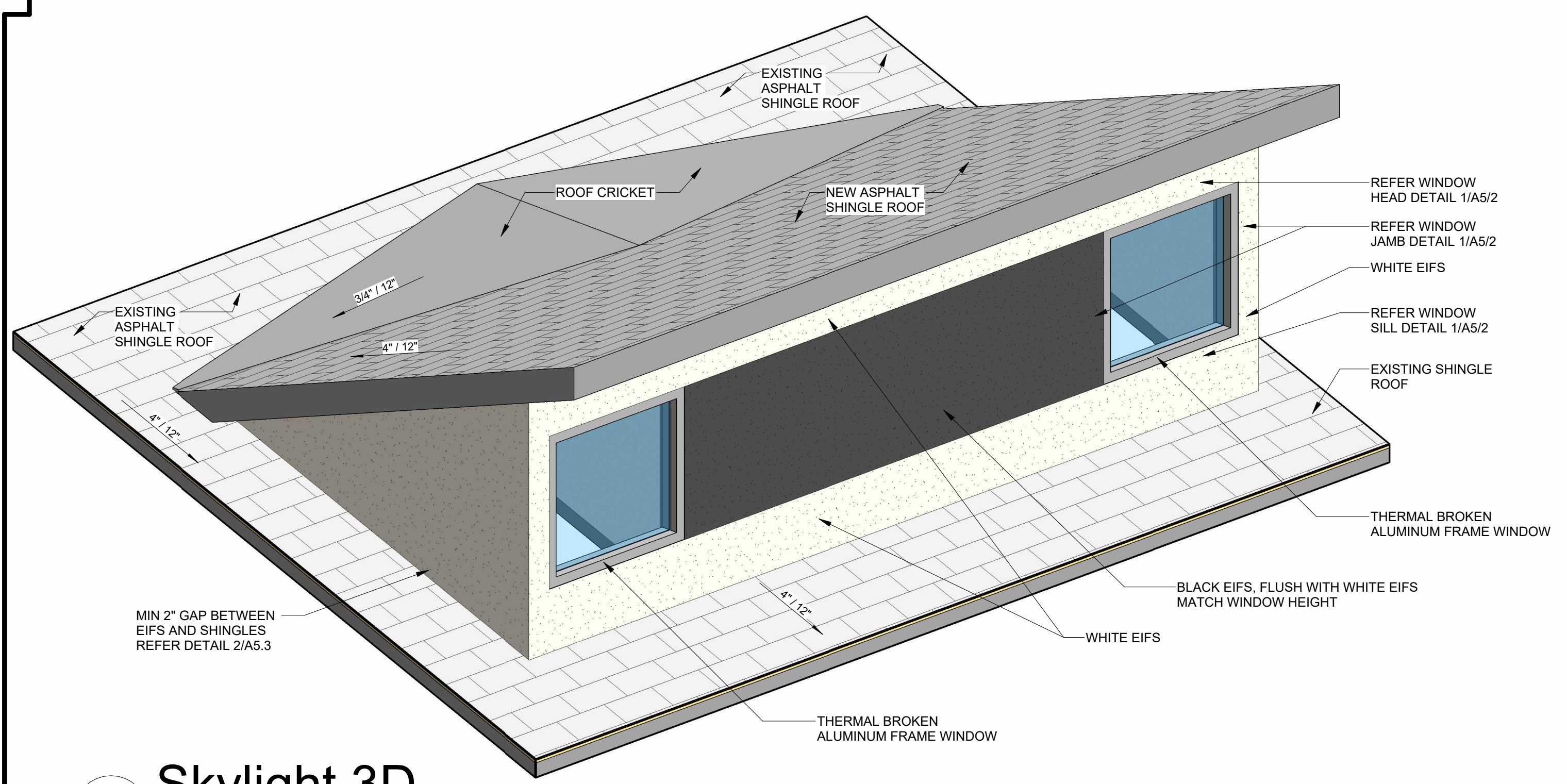
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
SKYLIGHT DETAILS

JOB NO: 2322

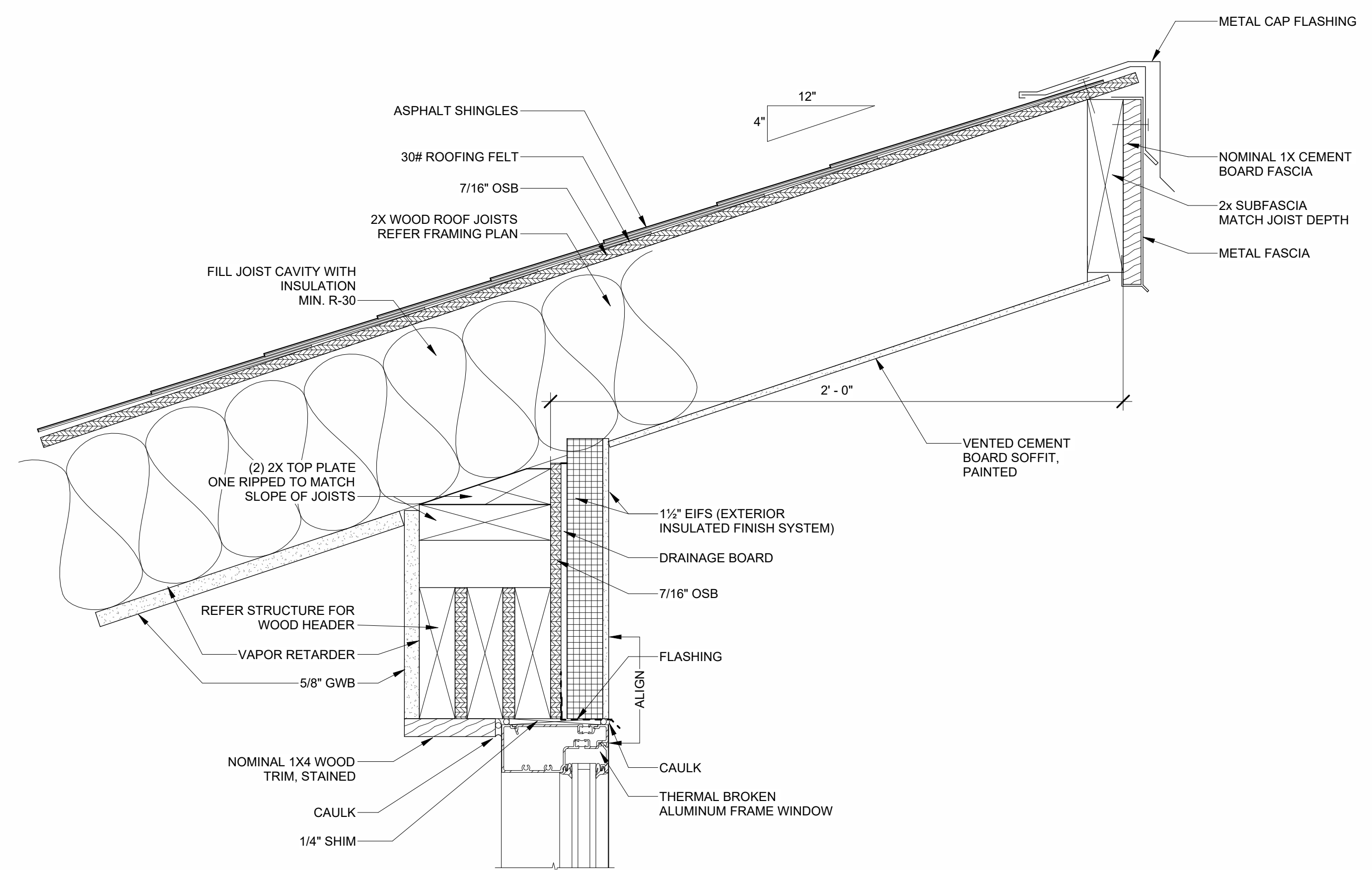
DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A5.2

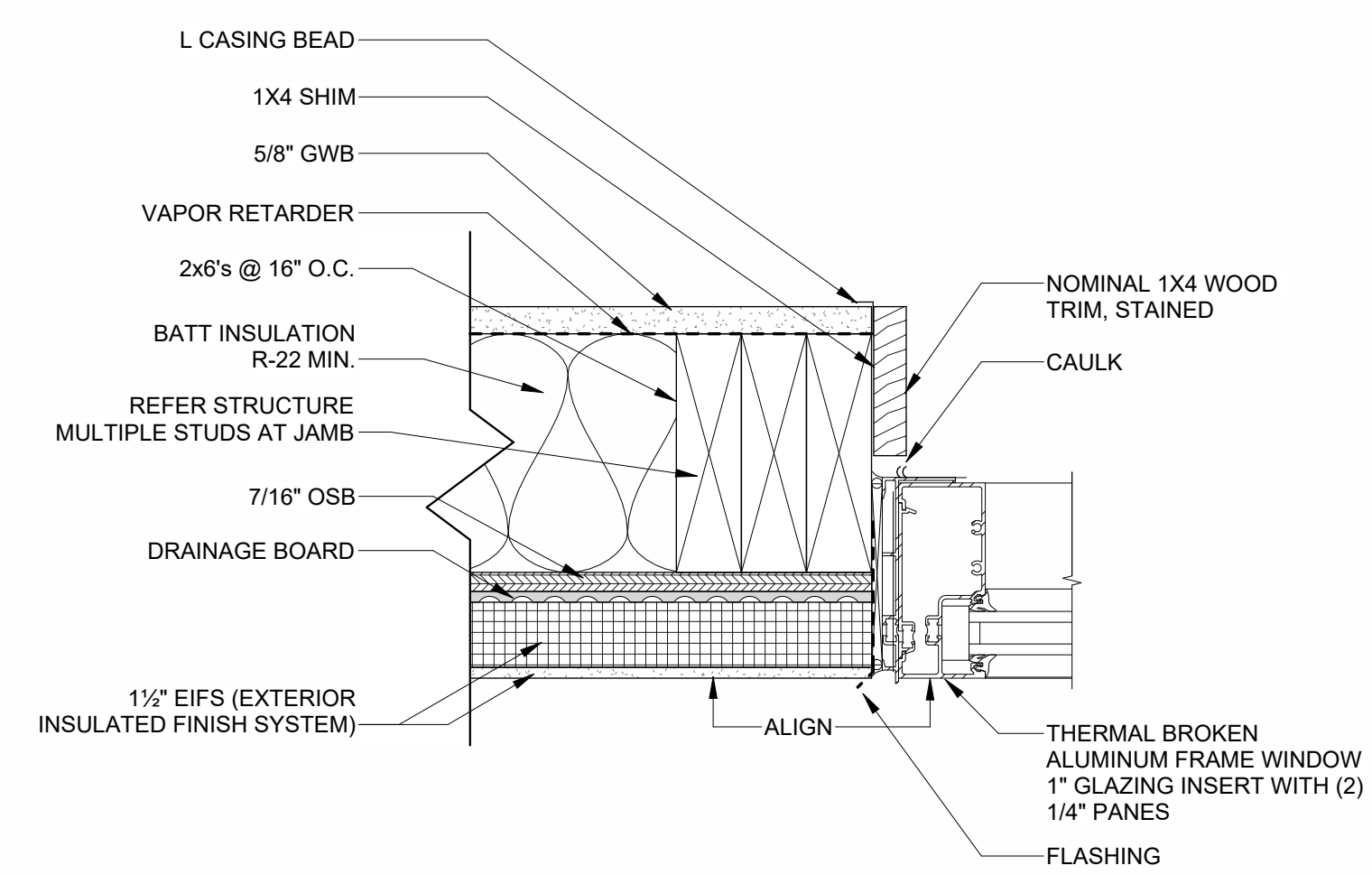
DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:56:23 PM



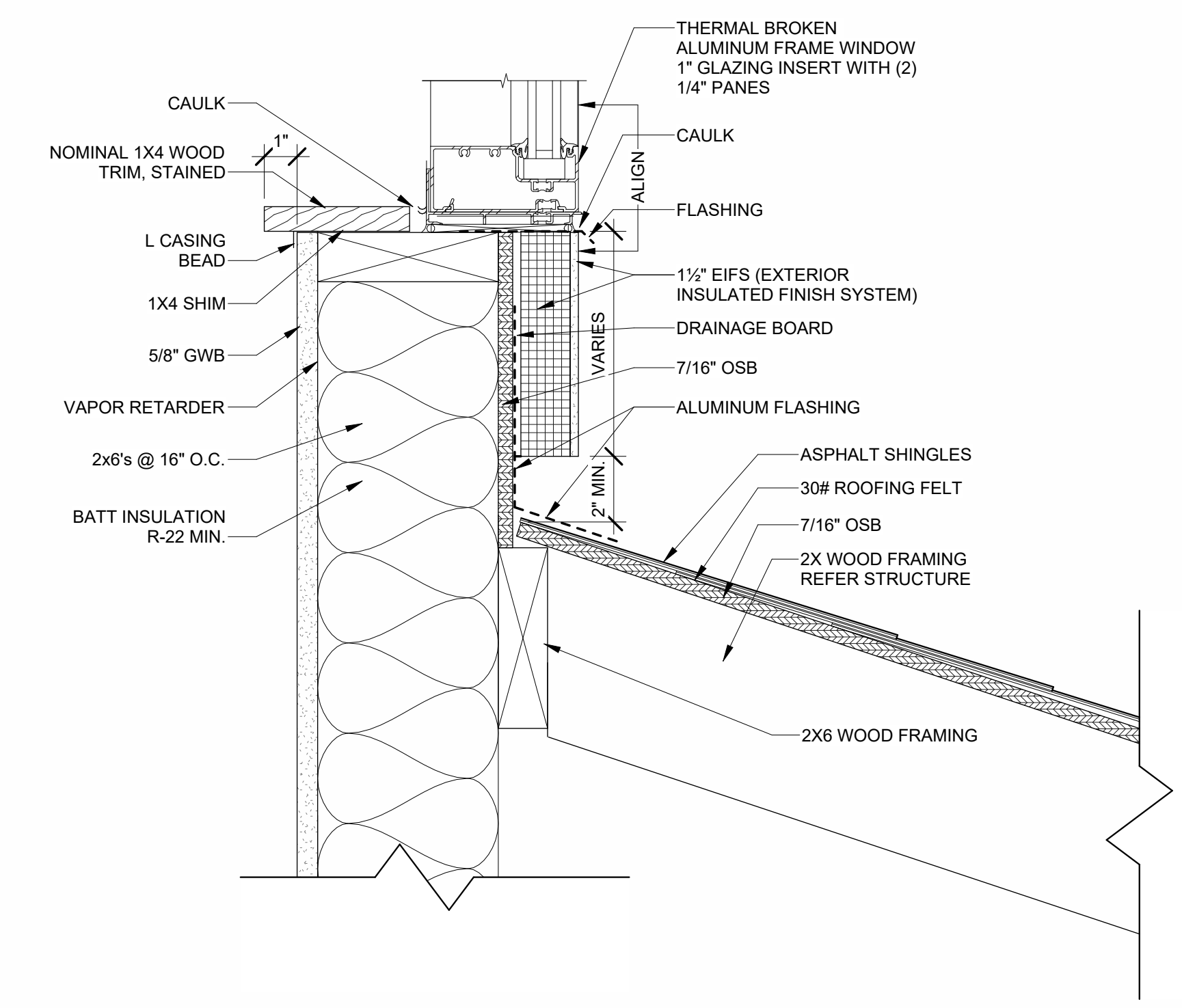
A Skylight 3D
SCALE:



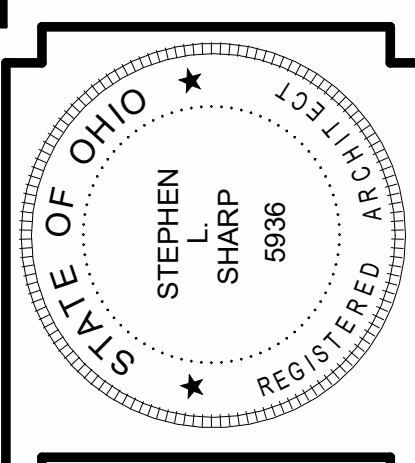
1 Window Head 1
SCALE: 3" = 1'-0"



3 WINDOW JAMB 1
SCALE: 3" = 1'-0"



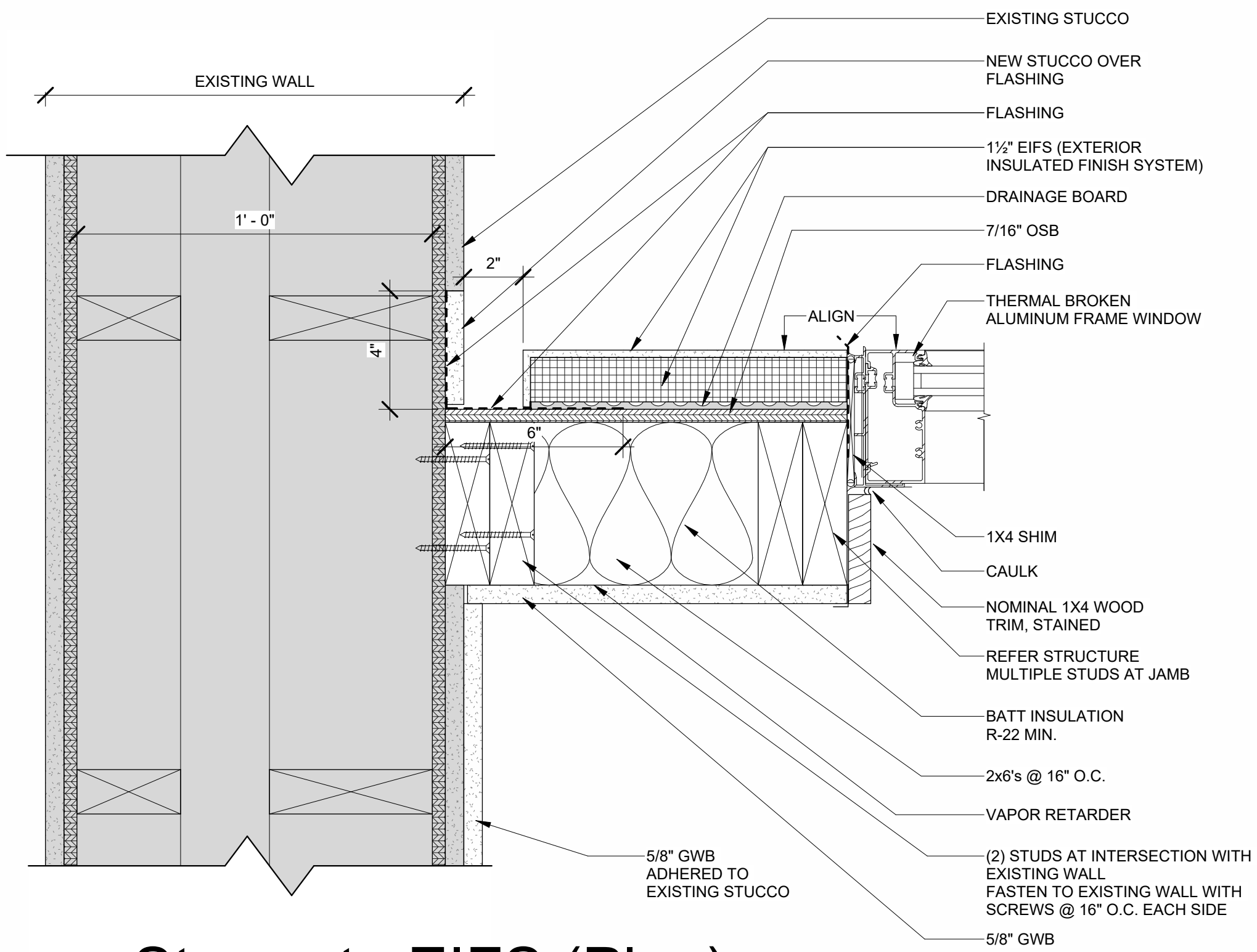
2 WINDOW SILL
SCALE: 3" = 1'-0"



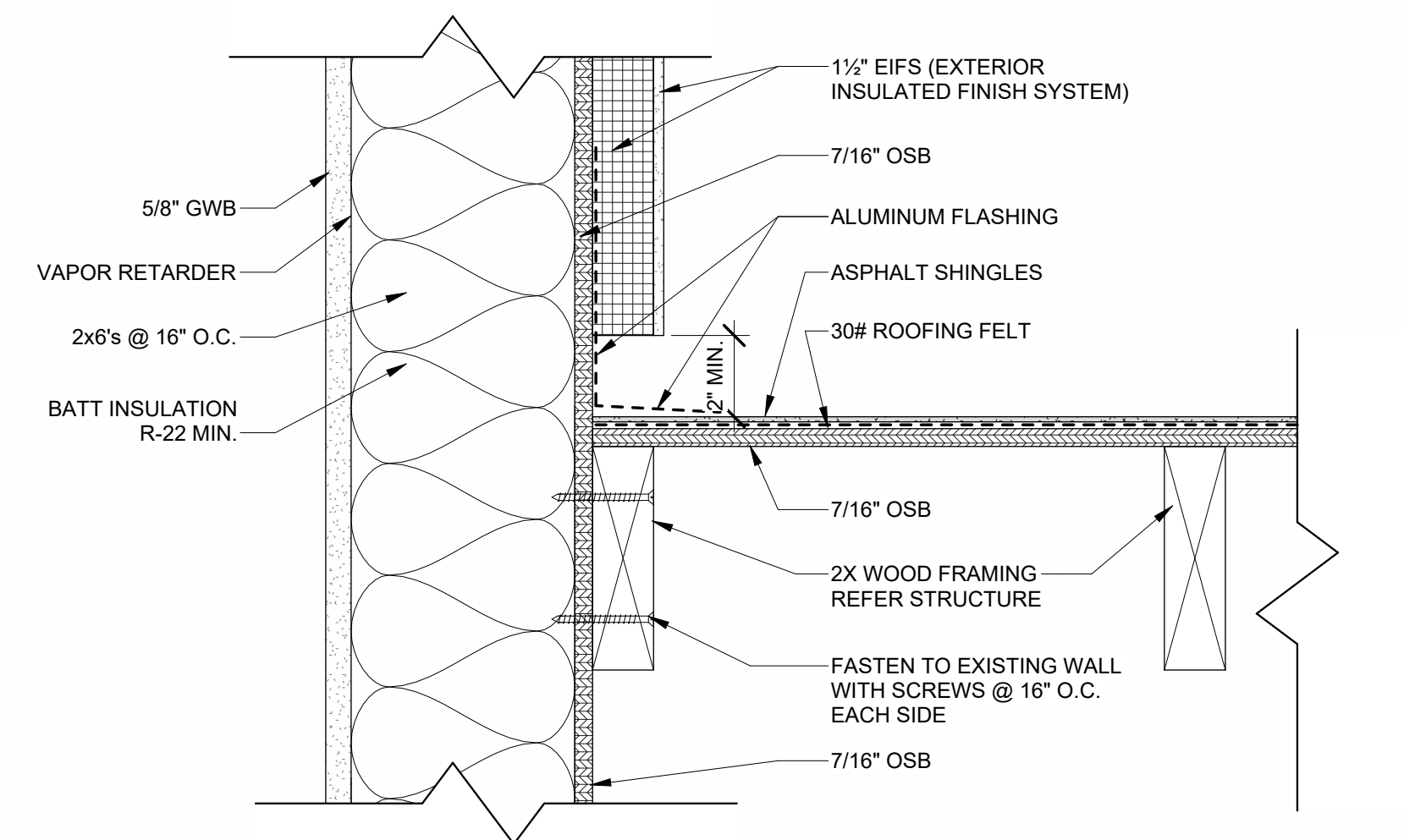
Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/02/2024 | SUBMITTED FOR BID/PERMIT |

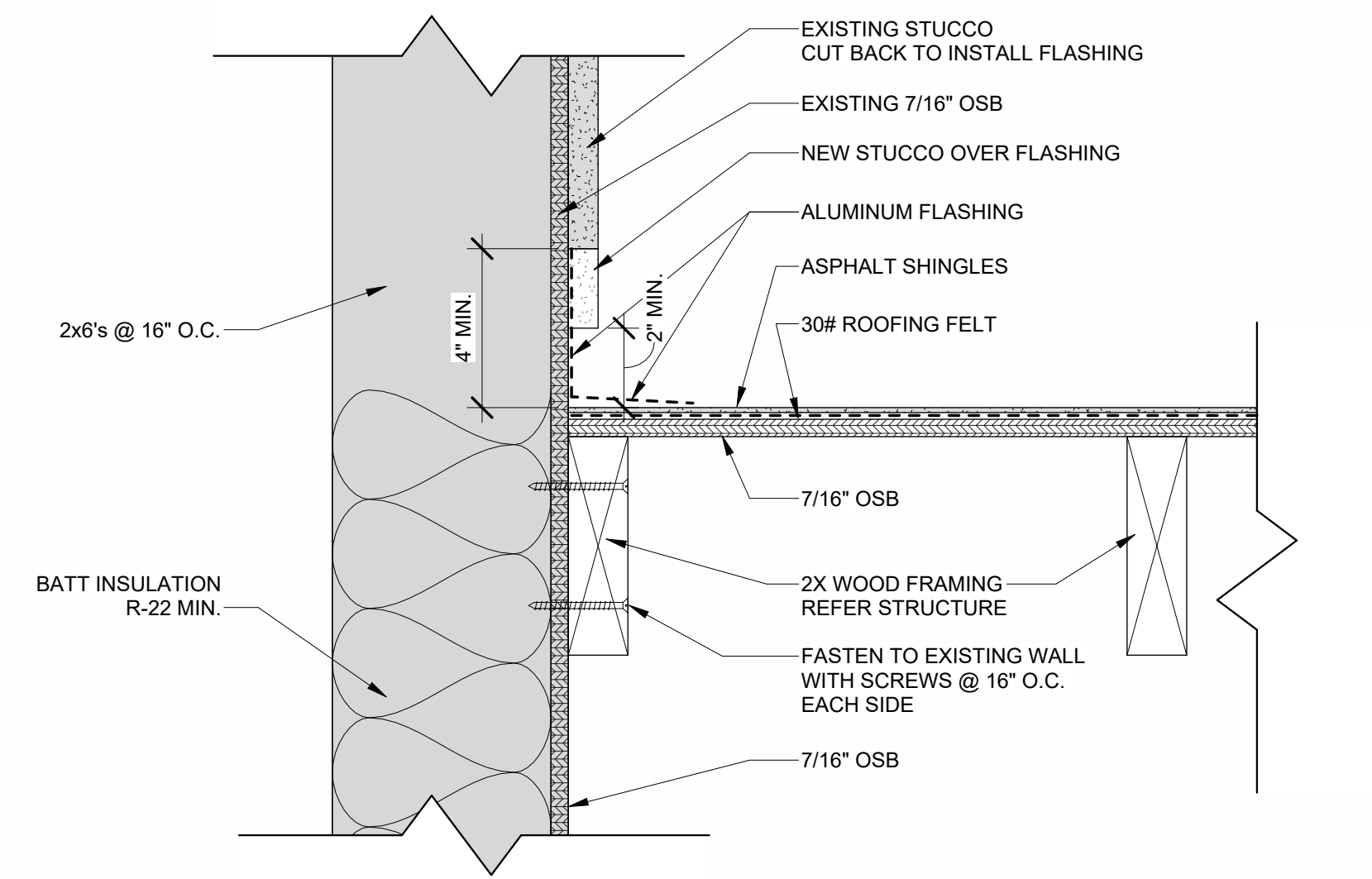
McCall SHARP
ARCHITECTURE
P: (937)323-4300
F: (937)322-8142
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502



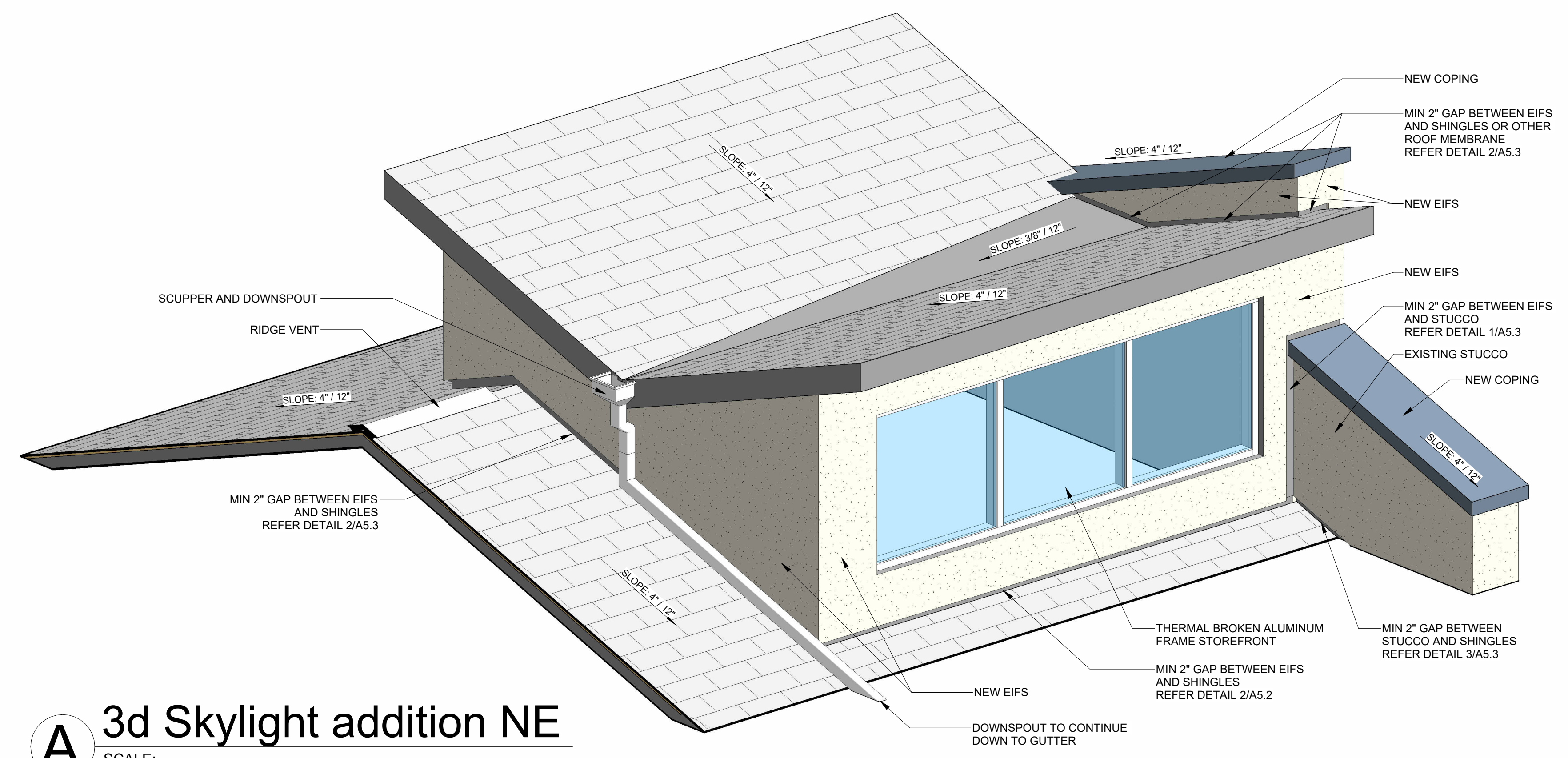
1 Stucco to EIFS (Plan)
SCALE: 3" = 1'-0"



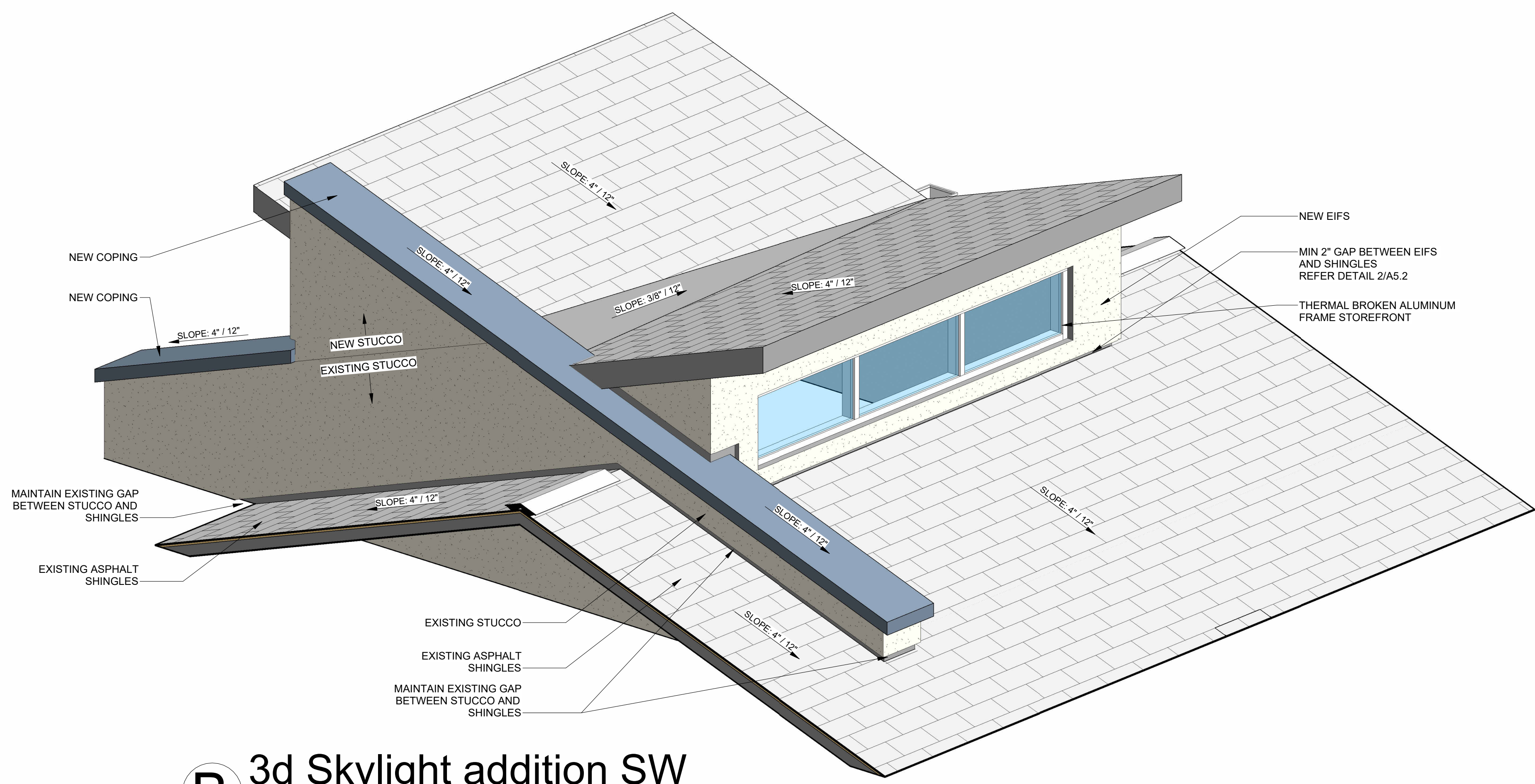
2 EIFS at Roof (Section)
SCALE: 3" = 1'-0"



3 Stucco at Roof (Section)
SCALE: 3" = 1'-0"



A 3d Skylight addition NE
SCALE: 3" = 1'-0"



B 3d Skylight addition SW
SCALE: 3" = 1'-0"

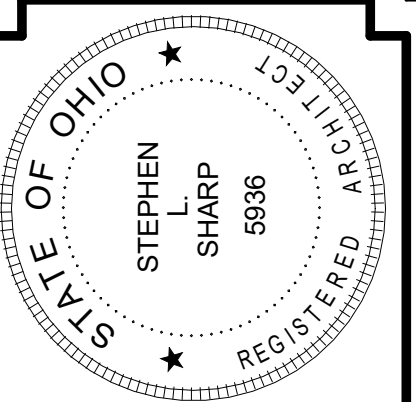
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
ROOF DETAILS

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A5.3

DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:56:29 PM



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

REVISIONS

| NO. | DATE | DESCRIPTION |
|------------|------|--------------------------|
| 04/02/2024 | | SUBMITTED FOR BID PERMIT |

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

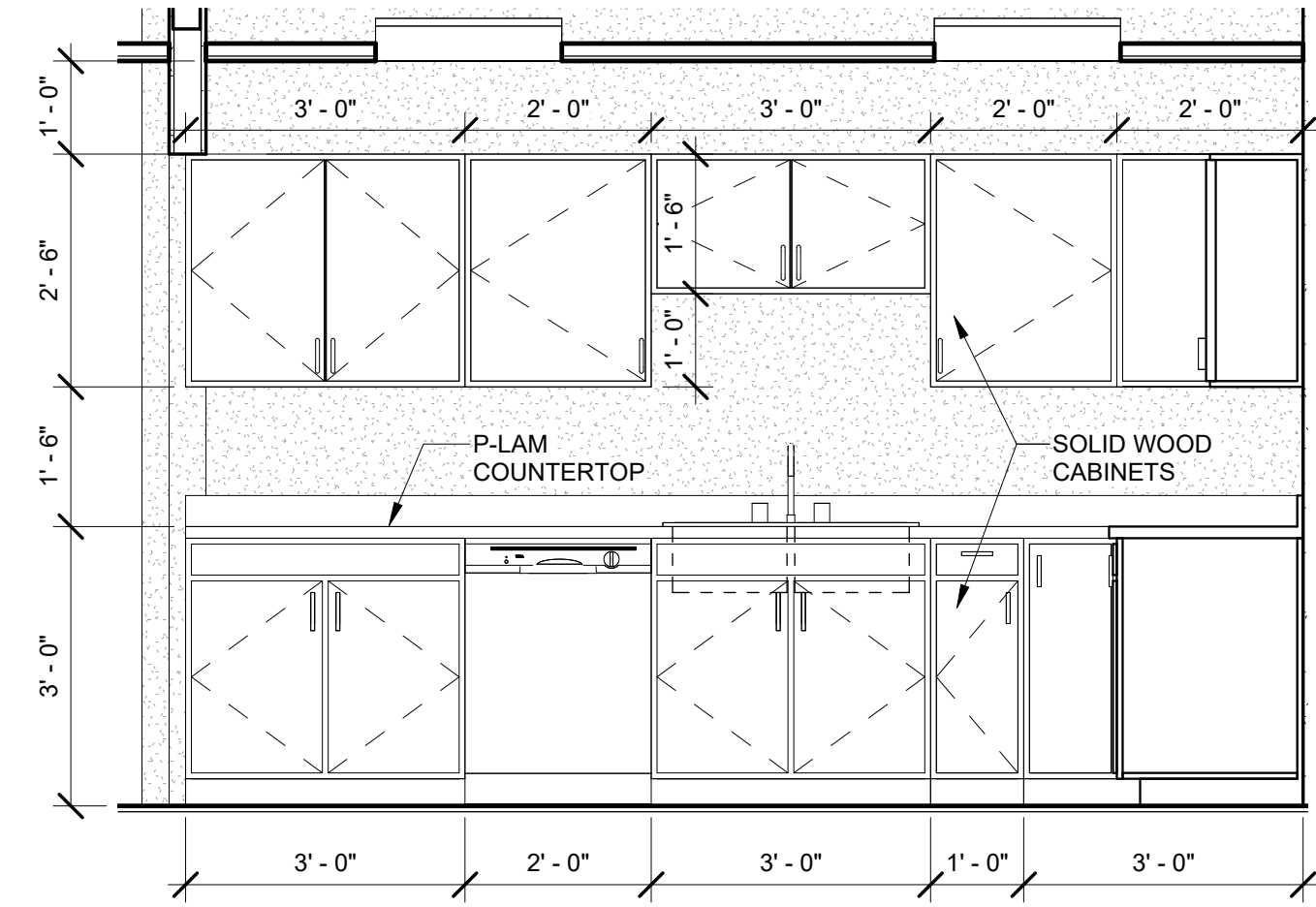
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
INTERIOR ELEVATIONS

JOB NO: 2322

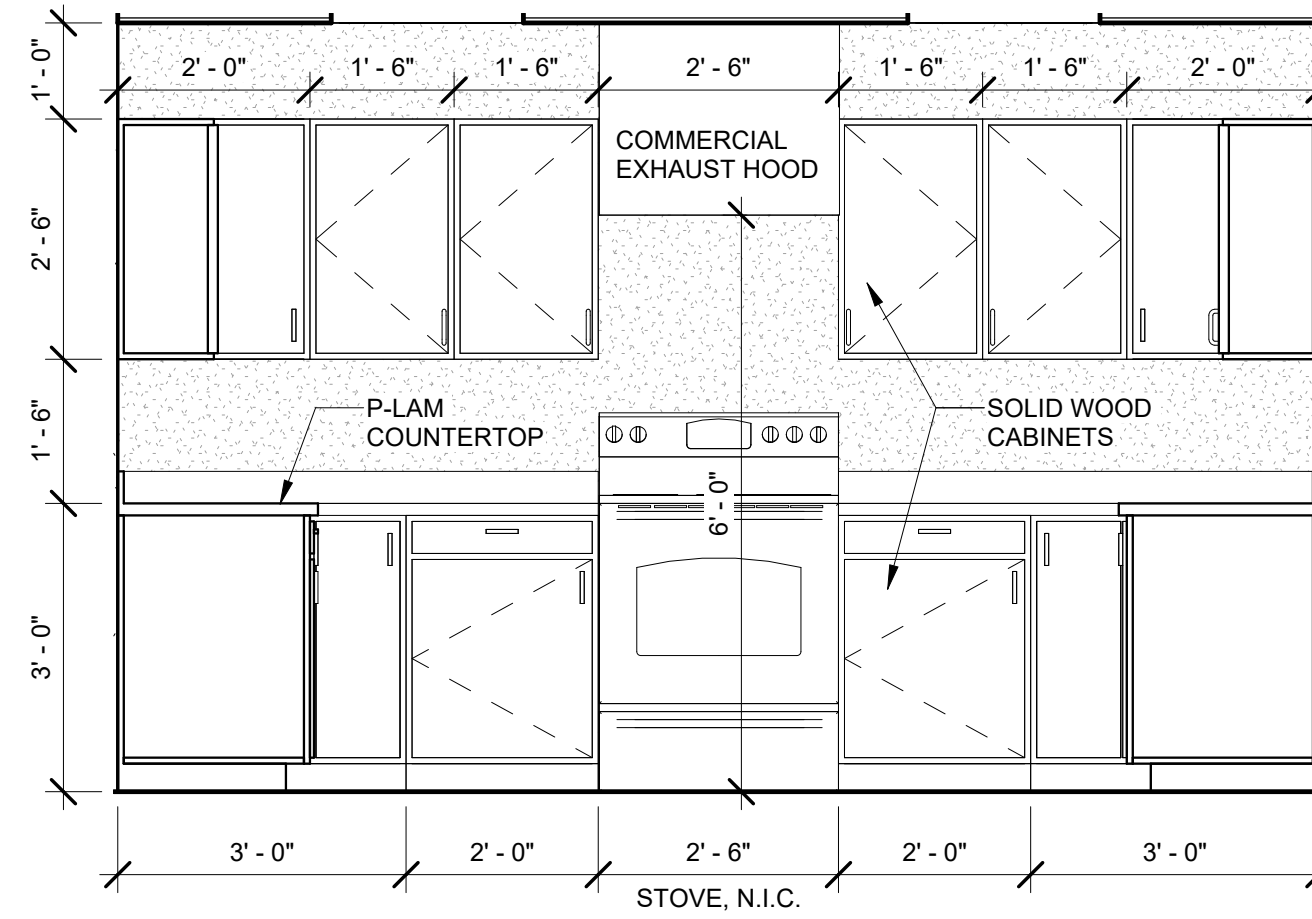
DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A6.2

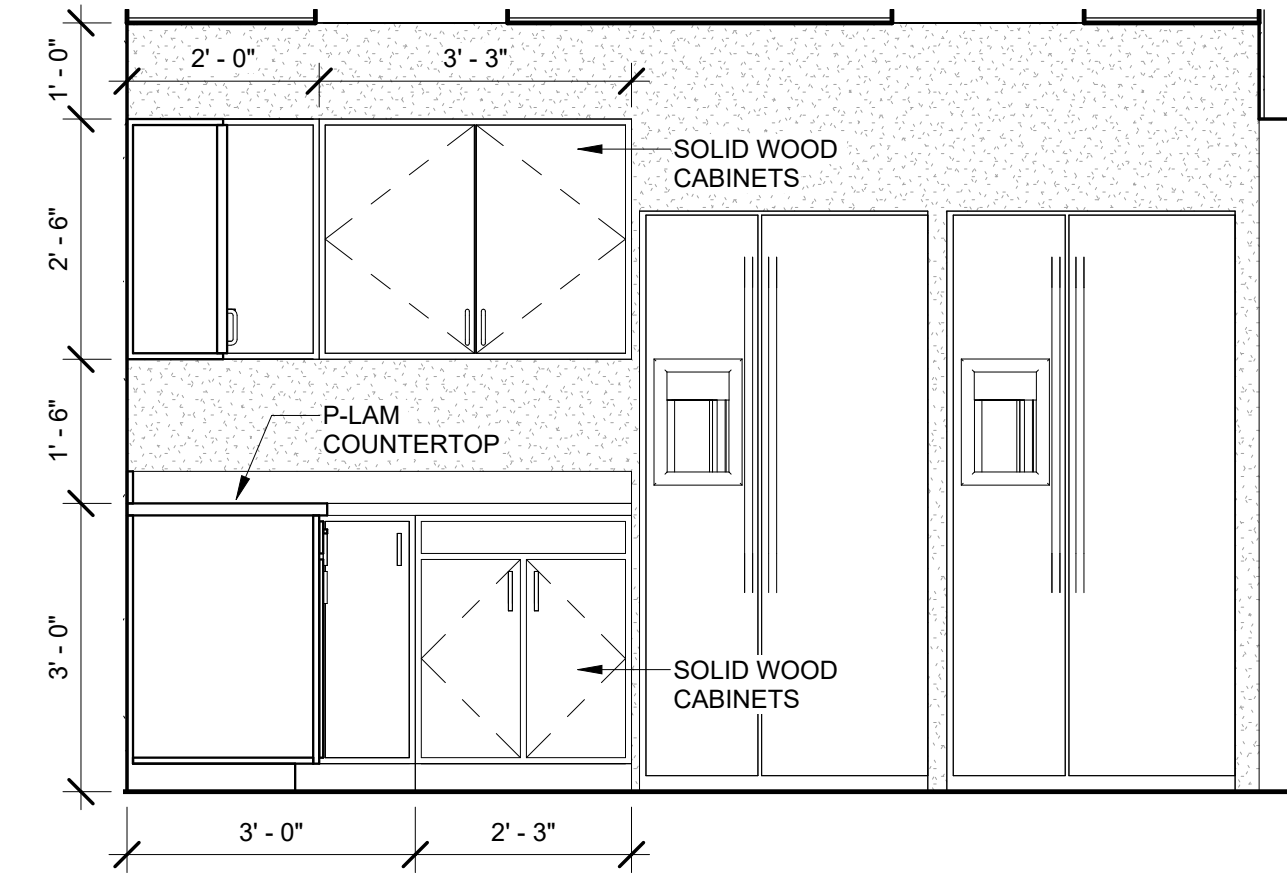
DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:56:32 PM



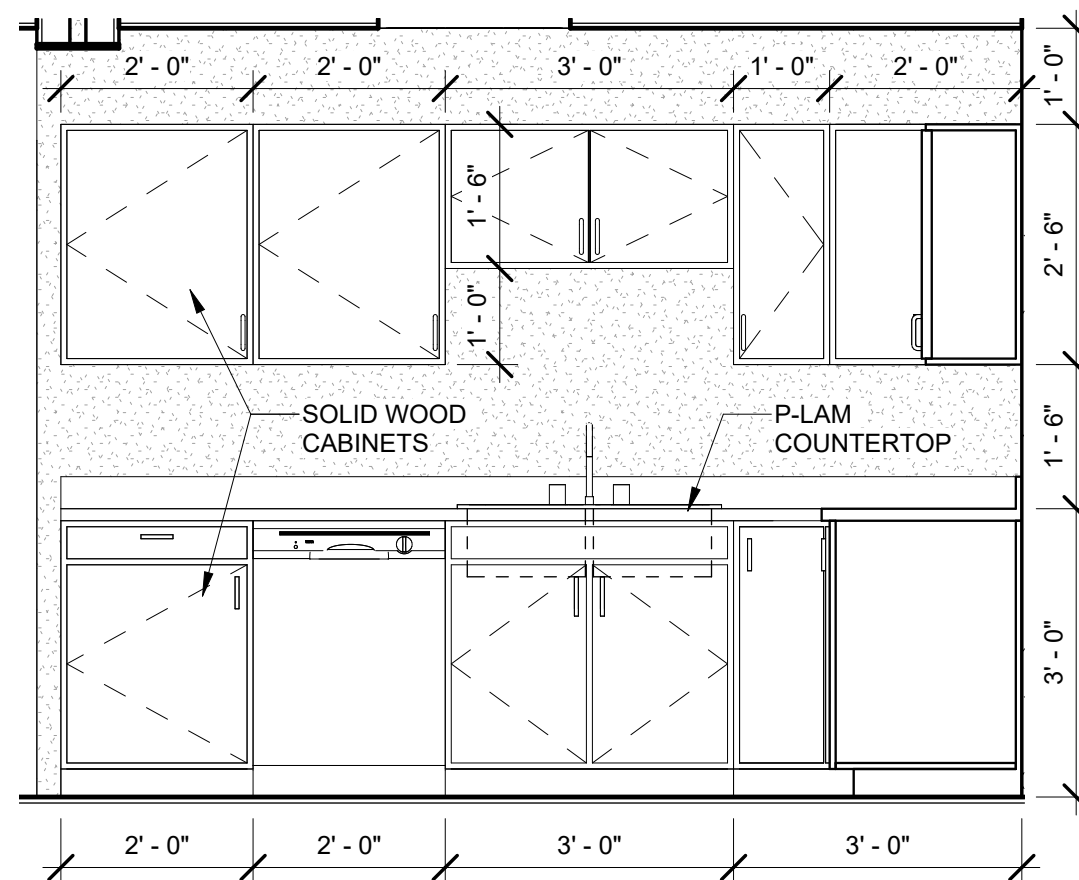
1 204 Kitchen 1
SCALE: 1/2" = 1'-0"



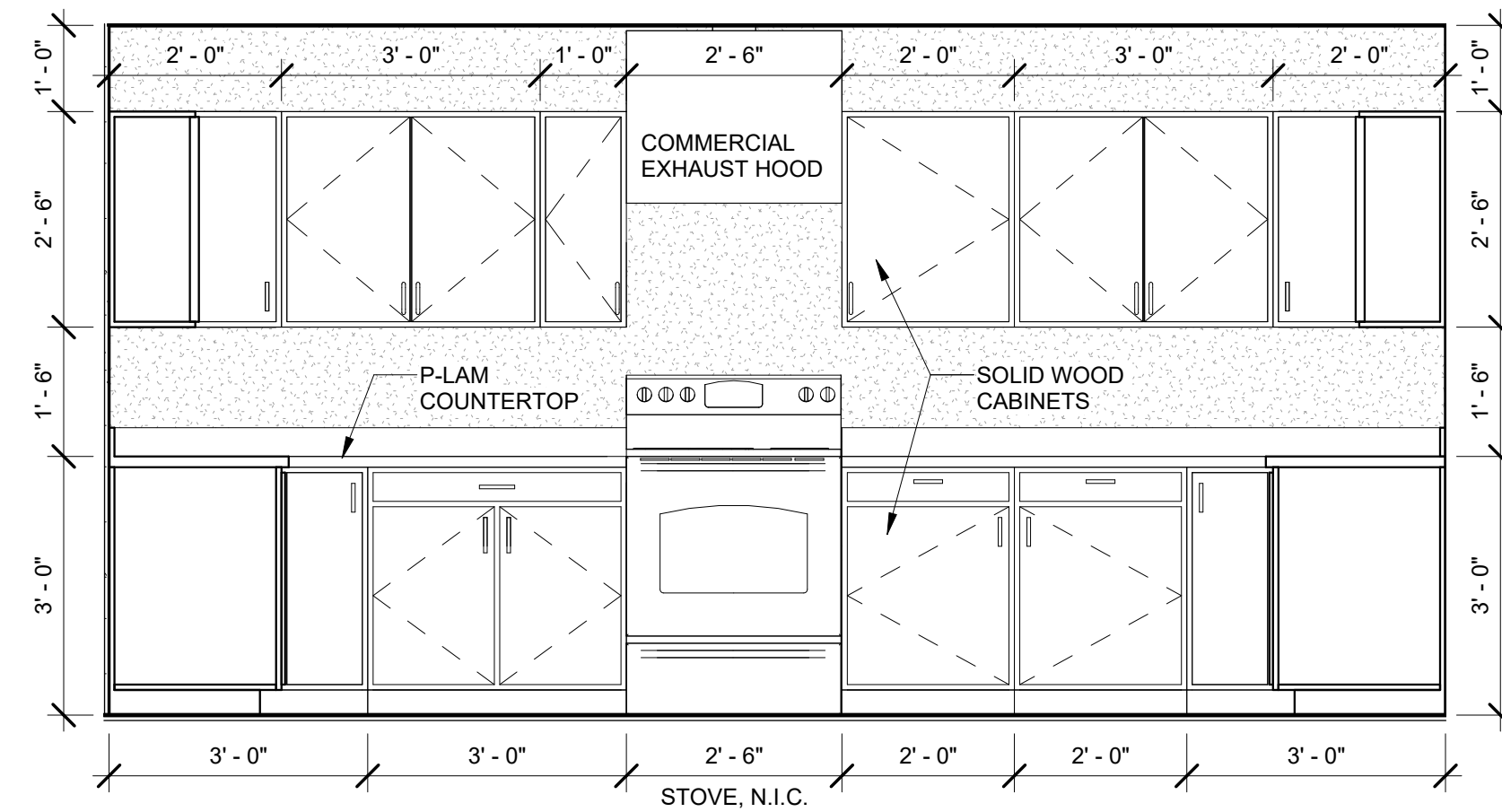
2 204 Kitchen 2
SCALE: 1/2" = 1'-0"



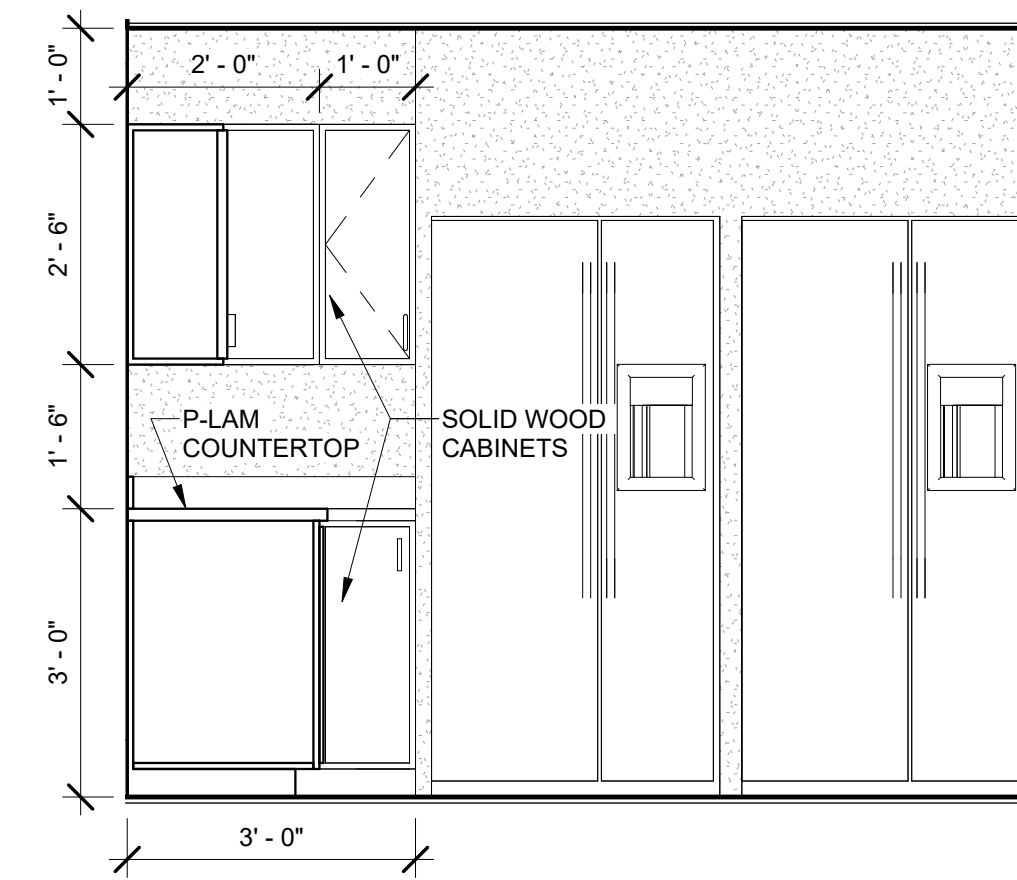
3 204 Kitchen 3
SCALE: 1/2" = 1'-0"



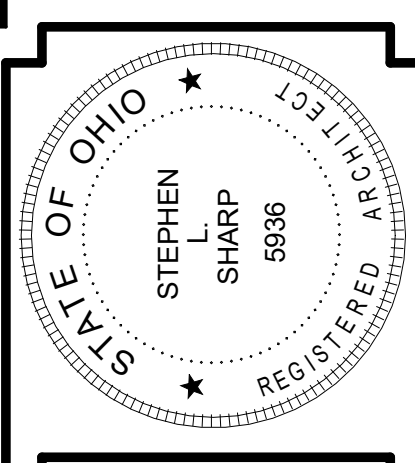
4 317 Kitchen 1
SCALE: 1/2" = 1'-0"



5 317 Kitchen 2
SCALE: 1/2" = 1'-0"



6 317 Kitchen 3
SCALE: 1/2" = 1'-0"



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|-----------|-------------|
| NO. | DESCRIPTION |
| | |
| | |
| | |
| | |
| | |

McCall SHARP
ARCHITECTURE
P: (937)323-4300
F: (937)322-8142
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

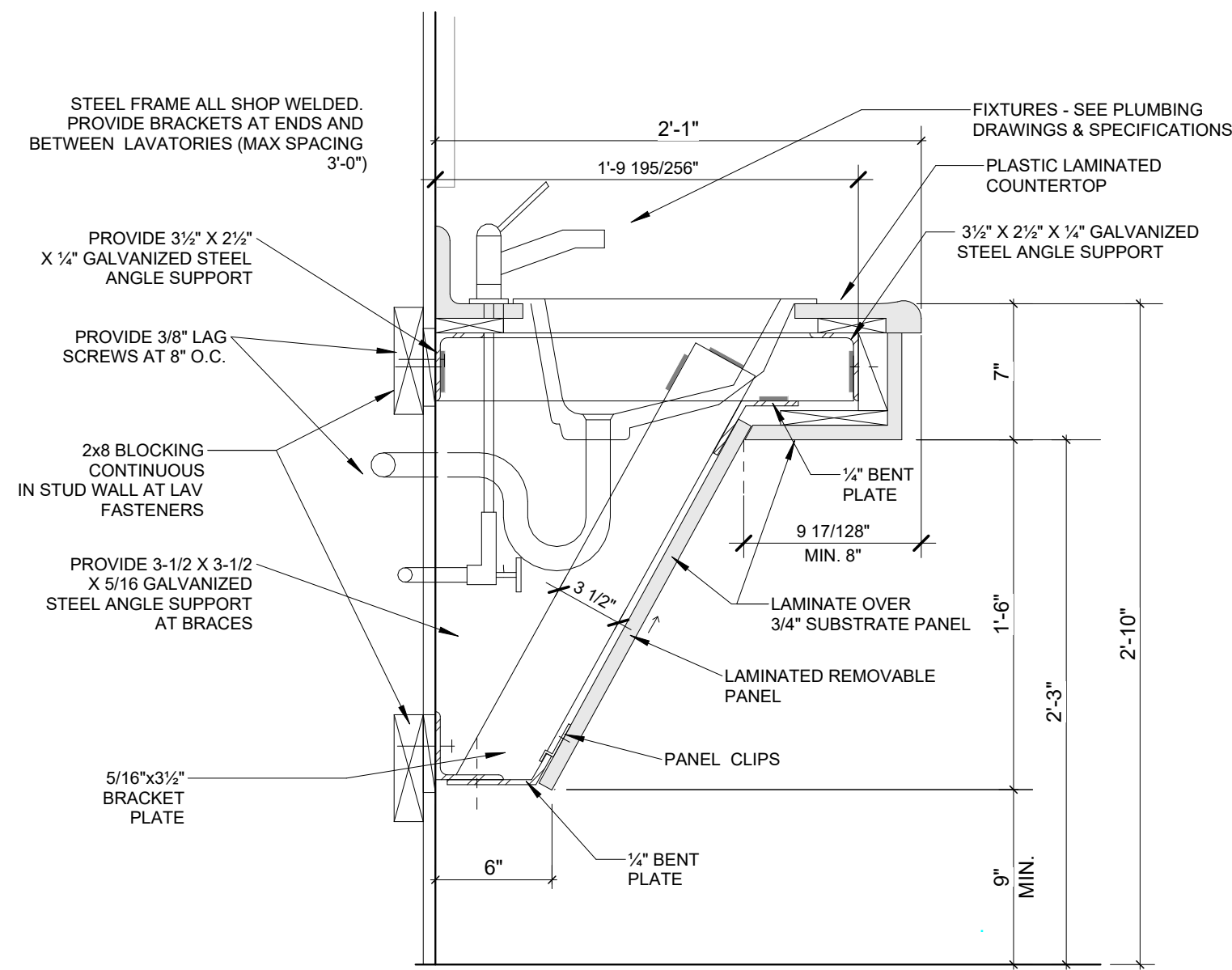
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
INTERIOR ELEVATIONS

JOB NO: 2322

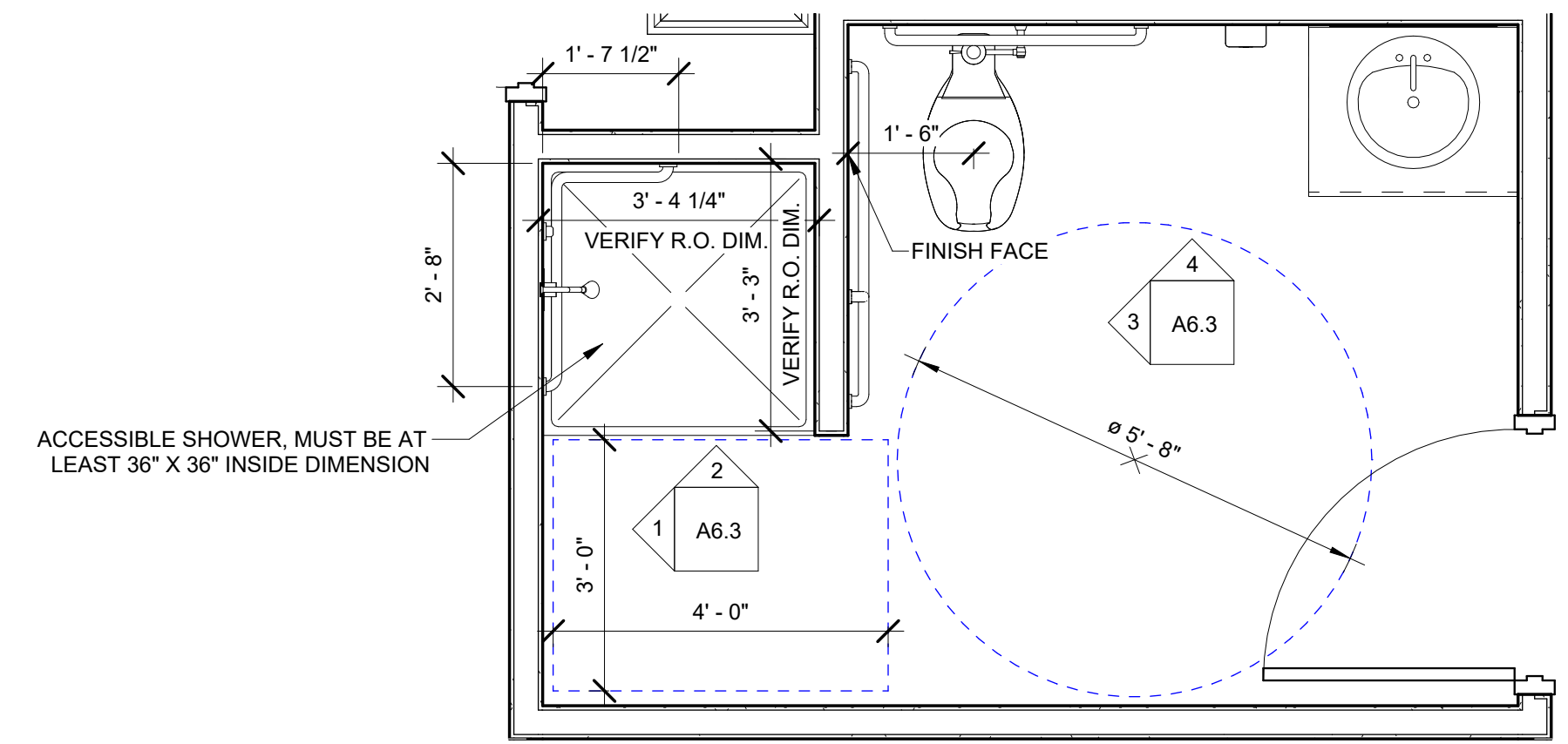
DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A6.3

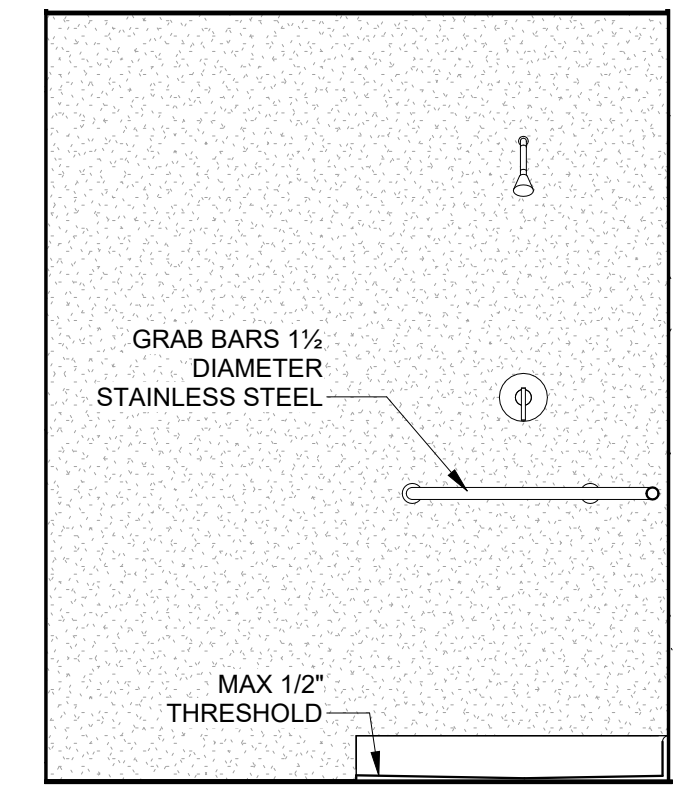
DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:56:34 PM



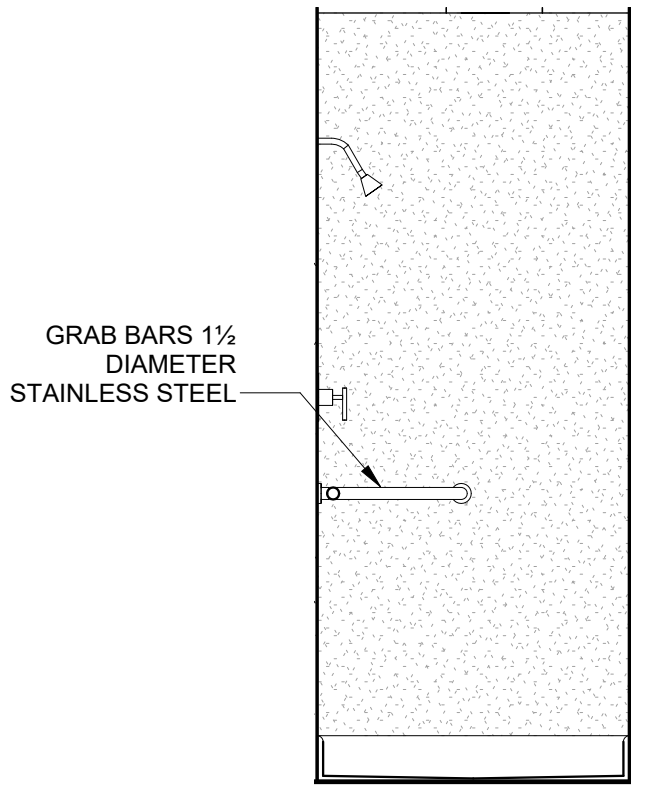
6 Detail @ Lavatory Counters
SCALE: 1 1/2" = 1'-0"



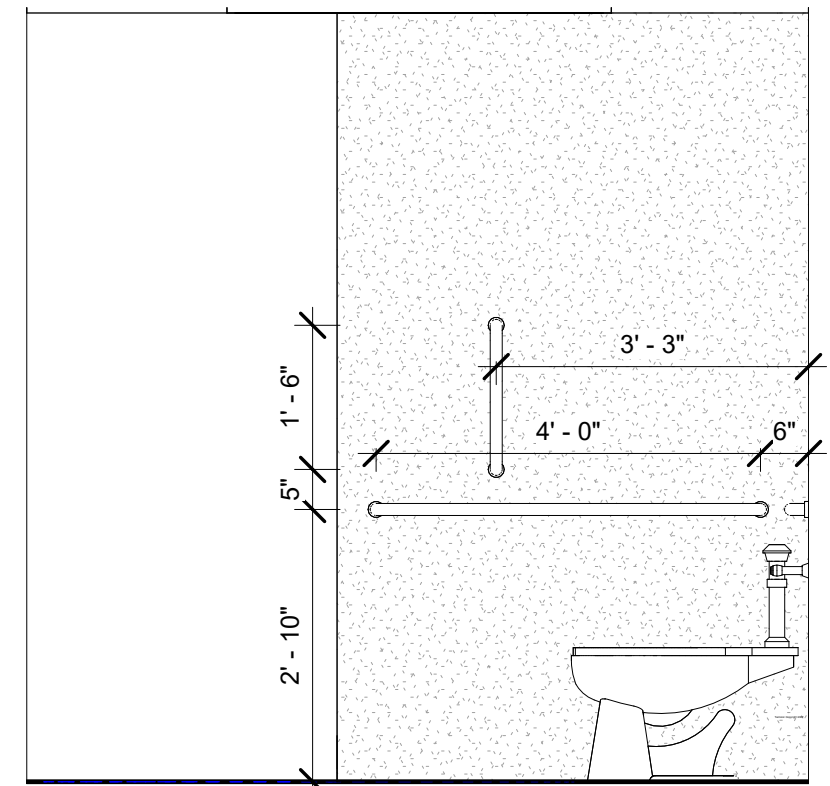
5 Typical Restroom Plan
SCALE: 1/2" = 1'-0"



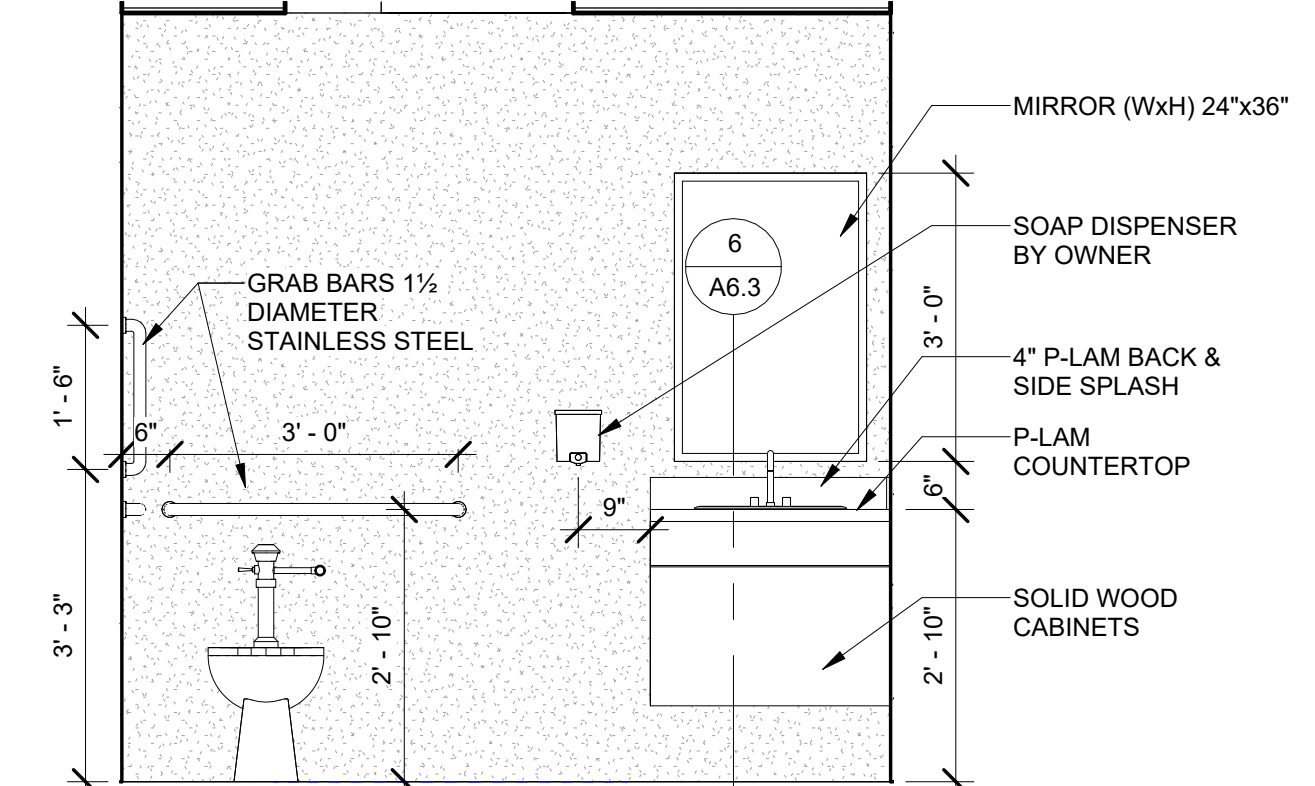
1 RR 1
SCALE: 1/2" = 1'-0"



2 RR 2
SCALE: 1/2" = 1'-0"



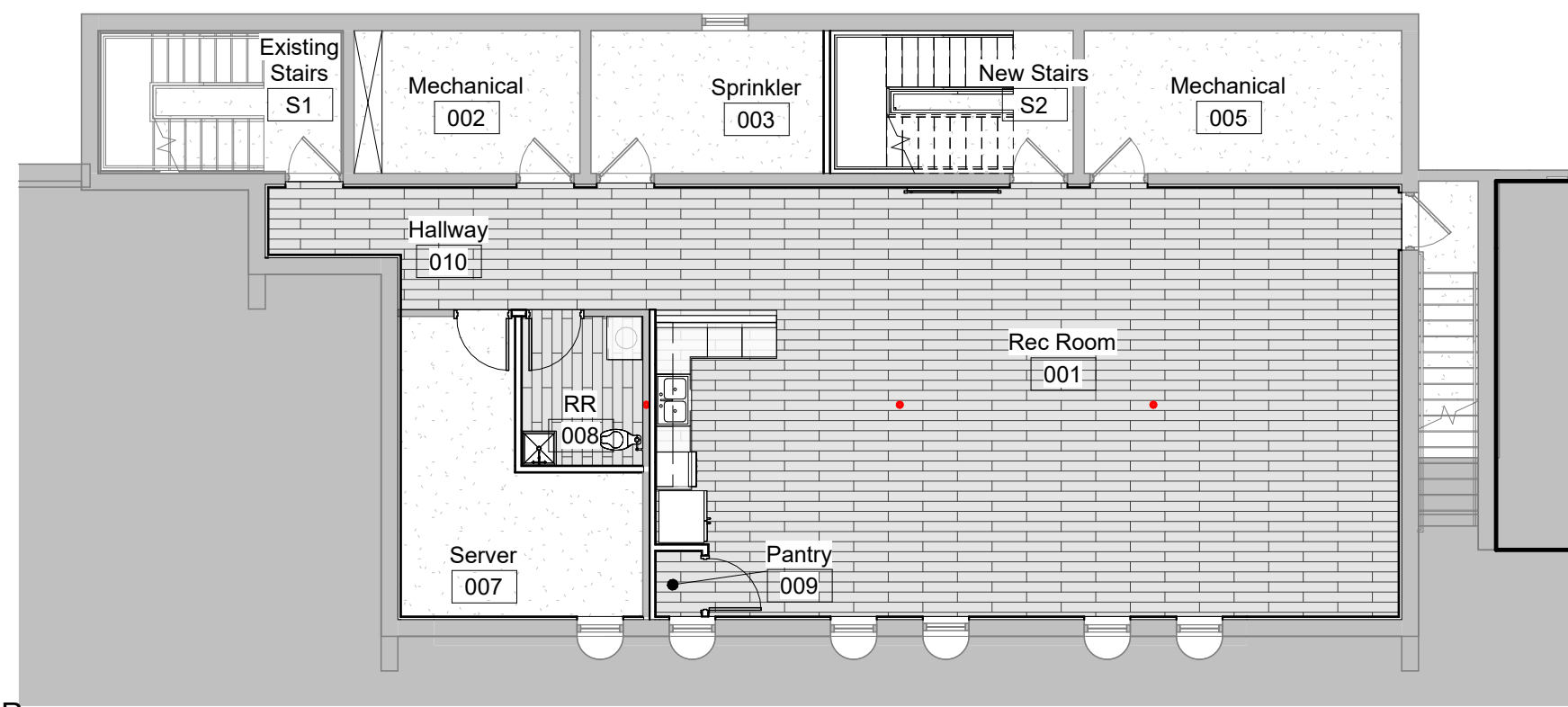
3 RR 3
SCALE: 1/2" = 1'-0"



4 RR 4
SCALE: 1/2" = 1'-0"

FINISH LEGEND

- FLOORS**
- WM WALK-OFF MAT
PATCRAFT ENTRY AESTHETIC
MAKE YOUR WAY 10658
18" X 36" ASHLAR PATTERN
- CPT 1 SHAW CONNECTED THREADS
QUILTED TILE
VINTAGE GOLD 16762
9" X 36" CARPET TILE, ASHLAR PATTERN
- CPT 2 PATCRAFT ON NEUTRAL GROUND 2
PARTITIONS STREAMLINED
GREIGE 00520
18" X 36" CARPET TILE, BRICK PATTERN
- LVT 1A PATCRAFT TREELINE
7" X 48", 20 MIL
- LVT 1B PATCRAFT TREELINE
7" X 48", 12 MIL
- LVT 2 PATCRAFT EARTHEN
12" X 24", 20 MIL UNLESS NOTED
- TILE** EXISTING TILE AND BASE TO REMAIN
TILE TO BE THOROUGHLY CLEANED
- BASE**
- RUB RUBBER BASE, 4"
- TILE** EXISTING TILE BASE TO REMAIN
- WALLS**
- PT 1 PAINT COLOR 1
SEMI GLOSS
- PT 2 PAINT COLOR 2
- CEILING**
- ACT 1 ACOUSTICAL CEILING TILE
2x2 CEILING GRID
ARMSTRONG ULTIMA BEVELED TEGULAR
- ACT 2 HUMIDITY RESISTANT ACOUSTICAL
CEILING TILE
2x2 CEILING GRID
ARMSTRONG CERAMAGUARD
UNPERFORATED SQUARE LAY IN
- GWB GYPSUM WALL BOARD CEILING



2 Basement Rooms
1" = 10'-0"

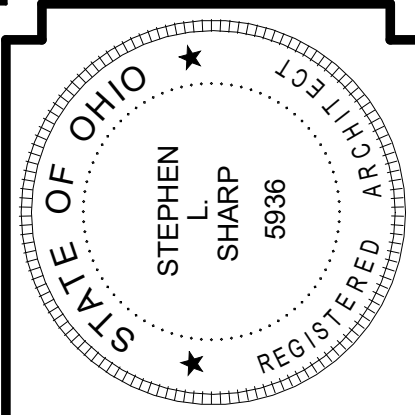


1 Level 1 Rooms
1" = 10'-0"

| Room Finish Schedule | | | | | | | |
|----------------------|------------------|---------|--------------|-------------|-------------|----------------|----------|
| Number | Name | Area | Floor Finish | Base Finish | Wall Finish | Ceiling Finish | Comments |
| 001 | Rec Room | 1055 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 002 | Mechanical | 108 SF | SC | - | - | EXP | |
| 003 | Sprinkler | 111 SF | SC | - | - | EXP | |
| 005 | Mechanical | 152 SF | SC | - | - | EXP | |
| 007 | Server | 176 SF | SC | - | - | EXP | |
| 008 | RR | 60 SF | LVT 1A | RUB | PT-1 | ACT 2 | |
| 009 | Pantry | 10 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 010 | Hallway | 130 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| S1 | Existing Stairs | 112 SF | - | RUB | PT-1 | ACT 1 | |
| S2 | New Stairs | 116 SF | - | RUB | PT-1 | ACT 1 | |
| 100 | Vestibule | 203 SF | WM | RUB | PT-2 | GWB / ACT | |
| 102 | Waiting Room | 252 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 103 | Restroom | 104 SF | TILE | TILE | TILE, PT-1 | GWB | |
| 104 | Restroom | 80 SF | TILE | TILE | TILE, PT-1 | GWB | |
| 105 | Corridor | 132 SF | LVT 1A | RUB | PT-1 | GWB | |
| 105B | Stor | 16 SF | LVT 1B | RUB | PT-1 | ACT 1 | |
| 106 | Patient Room | 106 SF | LVT 1B | RUB | PT-1 | ACT 1 | |
| 107 | Patient Room | 98 SF | LVT 1B | RUB | PT-1 | ACT 1 | |
| 108 | Patient Room | 106 SF | LVT 1B | RUB | PT-1 | ACT 1 | |
| 109 | Work Room | 86 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 110 | Corridor | 60 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 111 | Nurse Station | 92 SF | LVT 1A | RUB | PT-1 | GWB | |
| 112 | Corridor | 74 SF | LVT 1A | RUB | PT-1 | GWB | |
| 113 | Corridor | 64 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 113A | Stor | 8 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 114 | Therapist Office | 103 SF | CPT 1 | RUB | PT-1 | ACT 1 | |
| 115 | Break Room | 115 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 116 | Office | 98 SF | CPT 1 | RUB | PT-1 | ACT 1 | |
| 117 | Office | 88 SF | CPT 1 | RUB | PT-1 | ACT 1 | |
| 118 | RR | 87 SF | LVT 1A | RUB | PT-1 | ACT 2 | |
| 119 | RR | 87 SF | LVT 1A | RUB | PT-1 | ACT 2 | |
| 120 | Corridor | 241 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 120A | Stor | 10 SF | LVT 1B | RUB | PT-1 | ACT 1 | |
| 121 | Patient Room | 104 SF | LVT 1B | RUB | PT-1 | ACT 1 | |
| 122 | Patient Room | 104 SF | LVT 1B | RUB | PT-1 | ACT 1 | |
| 123 | Patient Room | 104 SF | LVT 1B | RUB | PT-1 | ACT 1 | |
| 124 | Patient Room | 104 SF | LVT 1B | RUB | PT-1 | ACT 1 | |
| 125 | Patient Room | 105 SF | LVT 1B | RUB | PT-1 | ACT 1 | |
| 126 | Corridor | 61 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 150 | Grp Rm Lobby | 156 SF | CPT 1 | RUB | PT-1 | ACT 1 | |
| 151 | Group Room | 392 SF | CPT 1 | RUB | PT-1 | ACT 1 | |

| | | | | | | | |
|------|-------------|--------|--------|-----|------|-------|--|
| 200 | Foyer | 34 SF | WM | RUB | - | GWB | |
| 201 | Entry | 101 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 201A | Jan. | 10 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 201B | Stor. | 21 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 202 | Living Room | 314 SF | CPT 1 | RUB | PT-1 | ACT 1 | |
| 203 | Dining | 215 SF | LVT 2 | RUB | PT-1 | ACT 1 | |
| 204 | Kitchen | 147 SF | LVT 2 | RUB | PT-1 | ACT 1 | |
| 205 | RR | 87 SF | LVT 1A | RUB | PT-1 | ACT 2 | |
| 206 | RR | 87 SF | LVT 1A | RUB | PT-1 | ACT 2 | |
| 207 | Corridor | 88 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 208 | Corridor | 265 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 208A | Stor. | 16 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 208B | Stor. | 22 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 209 | Foyer | 54 SF | WM | RUB | - | ACT 1 | |
| 211 | Bedroom | 108 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 212 | Bedroom | 112 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 213 | Bedroom | 112 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 214 | Bedroom | 112 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 215 | Bedroom | 112 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 216 | Bedroom | 108 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 217 | Bedroom | 102 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 218 | Bedroom | 103 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 220 | Laundry | 20 SF | LVT 1A | RUB | PT-1 | ACT 1 | |

| | | | | | | | |
|------|--------------|--------|--------|-----|------|-----------|--|
| 300 | Vestibule | 75 SF | WM | RUB | PT-2 | GWB | |
| 301 | Hallway | 68 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 302 | Hallway | 51 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 303 | Bedroom | 119 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 304 | Bedroom | 118 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 305 | Bedroom | 118 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 306 | Bedroom | 118 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 307 | RR | 85 SF | LVT 1A | RUB | PT-1 | ACT 2 | |
| 308 | RR | 85 SF | LVT 1A | RUB | PT-1 | ACT 2 | |
| 309 | Stor. | 27 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 310 | Hallway | 162 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 310A | Stor. | 14 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 311 | Hallway | 52 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 312 | Bedroom | 109 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 313 | Bedroom | 109 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 314 | Bedroom | 93 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 315 | Bedroom | 94 SF | CPT 2 | RUB | PT-1 | ACT 1 | |
| 316 | Living Room | 416 SF | CPT 1 | RUB | PT-1 | GWB / ACT | |
| 317 | Kitchen | 159 SF | LVT 2 | RUB | PT-1 | ACT 1 | |
| 318 | Dining | 131 SF | LVT 2 | RUB | PT-1 | ACT 1 | |
| 319 | Tech Station | 114 SF | LVT 1A | RUB | PT-1 | ACT 1 | |
| 320 | Laundry | 20 SF | LVT 1A | RUB | PT-1 | ACT 1 | |



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | | |
|-----------|------------|--------------------------|
| NO. | DATE | DESCRIPTION |
| | 04/02/2024 | SUBMITTED FOR BID/PERMIT |

McCall SHARP
ARCHITECTURE

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio

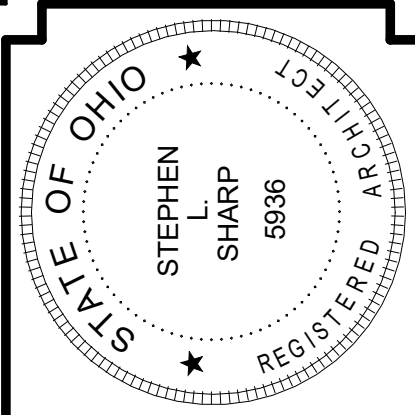
ROOM FINISH SCHEDULE

JOB NO: 2322

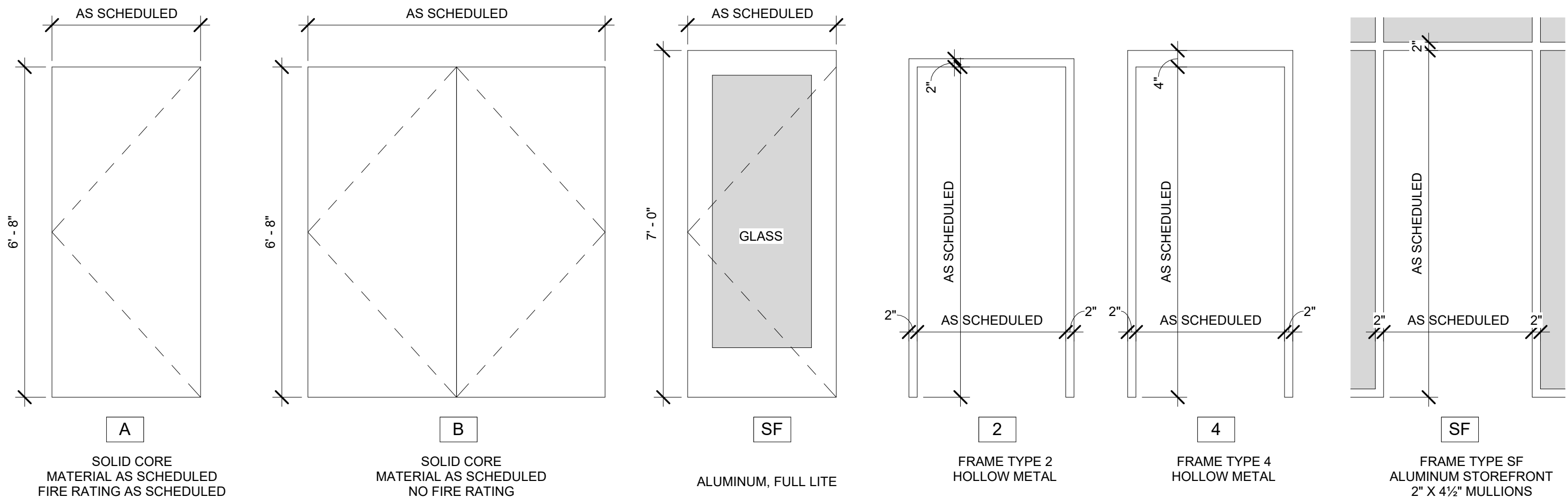
DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A7.1

DATE: 2024-04-04



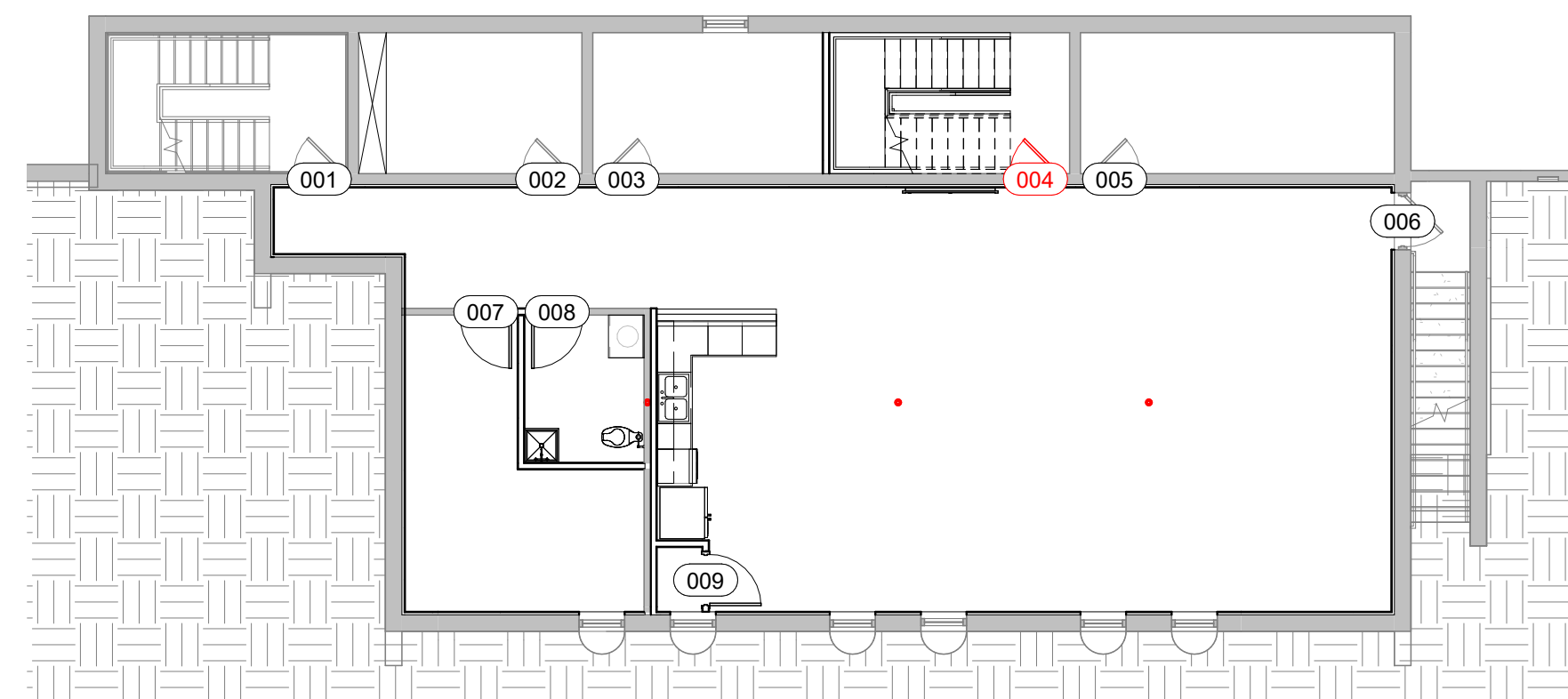
Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024



3 Door, Frame Types
1/2" = 1'-0"

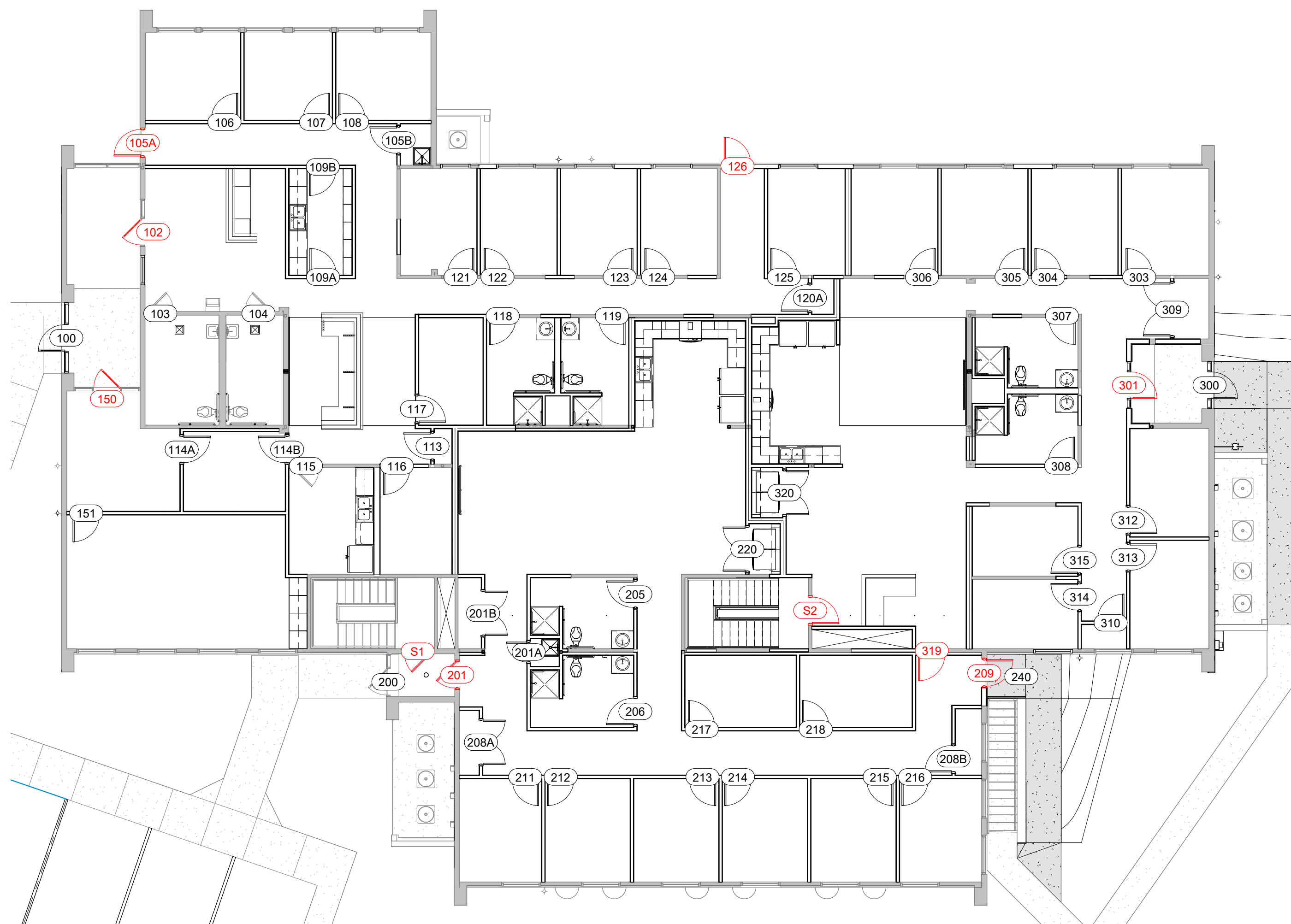
Door Schedule

| Mark | Type Mark | Material | Finish | Width | Height | Fire Rating | Frame Type | Frame Material | Frame Finish | Phase Created | Comments |
|------|-----------|----------|--------|-------|--------|-------------|------------|----------------|--------------|---------------|----------|
| 001 | A | HM | - | 3'-0" | 6'-8" | | 4 | HM | - | Existing | 1 |
| 002 | A | HM | - | 3'-0" | 6'-8" | | 4 | HM | - | Existing | 1 |
| 003 | A | HM | - | 3'-0" | 6'-8" | | 4 | HM | - | Existing | 1 |
| 004 | A | HM | - | 3'-0" | 6'-8" | | 4 | HM | - | Existing | 1 |
| 005 | A | HM | - | 3'-0" | 6'-8" | | 4 | HM | - | Existing | 1 |
| 006 | A | HM | - | 3'-0" | 6'-8" | | 2 | HM | - | Existing | 2 |
| 007 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 008 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 009 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| S1 | A | WD | - | 3'-0" | 6'-8" | 45 Min | 2 | HM | - | Existing | 1 |
| S2 | A | WD | FF | 3'-0" | 6'-8" | 45 Min | 2 | HM | PT | New | |



1 Basement Doors
1" = 10'-0"

| | | | | | | | | | | | |
|------|----|----|----|-------|-------|--------|-----|----|----|----------|---|
| 100 | SF | AL | FF | 3'-0" | 7'-0" | | SF4 | AL | FF | New | |
| 102 | SF | AL | - | 3'-0" | 7'-0" | | SF2 | AL | - | Existing | 1 |
| 103 | A | WD | - | 3'-0" | 6'-8" | | 2 | HM | - | Existing | 1 |
| 104 | A | WD | - | 3'-0" | 6'-8" | | 2 | HM | - | Existing | 1 |
| 105A | A | HM | PT | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 105B | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 106 | A | WD | FF | 3'-0" | 6'-8" | 45 Min | 2 | HM | PT | New | |
| 107 | A | WD | FF | 3'-0" | 6'-8" | 45 Min | 2 | HM | PT | New | |
| 108 | A | WD | FF | 3'-0" | 6'-8" | 45 Min | 2 | HM | PT | New | |
| 109A | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 109B | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 113 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 114A | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 114B | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 115 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | Existing | 2 |
| 116 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 117 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 118 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 119 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 120A | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 121 | A | WD | FF | 3'-0" | 6'-8" | 45 Min | 2 | HM | PT | New | |
| 122 | A | WD | FF | 3'-0" | 6'-8" | 45 Min | 2 | HM | PT | New | |
| 123 | A | WD | FF | 3'-0" | 6'-8" | 45 Min | 2 | HM | PT | New | |
| 124 | A | WD | FF | 3'-0" | 6'-8" | 45 Min | 2 | HM | PT | New | |
| 125 | A | WD | FF | 3'-0" | 6'-8" | 45 Min | 2 | HM | PT | New | |
| 126 | A | HM | PT | 3'-0" | 6'-8" | | 4 | HM | PT | New | |
| 150 | SF | AL | - | 3'-0" | 7'-0" | | SF1 | AL | - | Existing | 1 |
| 151 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |



2 Level 1 Doors
1" = 10'-0"

| | | | | | | | | | | | |
|------|----|----|----|-------|-------|--|-----|----|----|----------|---|
| 200 | SF | AL | - | 3'-0" | 7'-0" | | SF2 | AL | - | Existing | 1 |
| 201 | A | WD | - | 3'-0" | 6'-8" | | 2 | HM | - | Existing | 1 |
| 201A | A | WD | FF | 2'-3" | 6'-8" | | 2 | HM | PT | New | |
| 201B | B | WD | FF | 5'-0" | 6'-8" | | 2 | HM | PT | New | |
| 205 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 206 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 208A | B | WD | FF | 5'-0" | 6'-8" | | 2 | HM | PT | New | |
| 208B | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 209 | A | HM | PT | 3'-0" | 6'-8" | | 4 | HM | PT | New | |
| 211 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 212 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 213 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 214 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 215 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 216 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 217 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 218 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 220 | B | WD | FF | 5'-0" | 6'-8" | | 2 | HM | PT | New | |

| | | | | | | | | | | | |
|-----|----|----|----|-------|-------|--------|-----|----|----|-----|--|
| 300 | SF | AL | FF | 3'-0" | 7'-0" | | SF3 | AL | FF | New | |
| 301 | SF | AL | FF | 3'-0" | 7'-0" | | SF1 | AL | FF | New | |
| 303 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 304 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 305 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 306 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 307 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 308 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 309 | B | WD | FF | 6'-0" | 6'-8" | | 2 | HM | PT | New | |
| 310 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 312 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 313 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 314 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 315 | A | WD | FF | 3'-0" | 6'-8" | | 2 | HM | PT | New | |
| 319 | A | WD | FF | 3'-0" | 6'-8" | 45 Min | 2 | HM | PT | New | |
| 320 | B | WD | FF | 5'-0" | 6'-8" | | 2 | HM | PT | New | |

- COMMENTS
- REUSE BOTH DOOR FRAME AND DOOR PANEL
 - REUSE DOOR FRAME, PROVIDE NEW DOOR PANEL

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------------|--------------------------|
| | 04/02/2024 | SUBMITTED FOR BID/PERMIT |

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

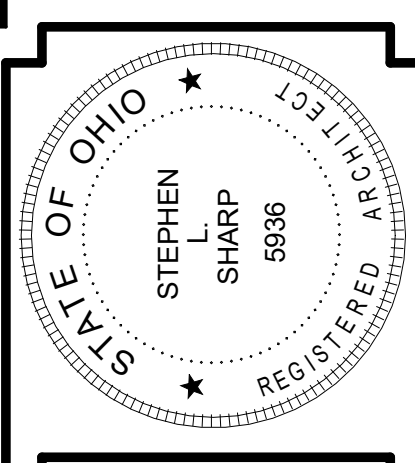
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
DOOR SCHEDULE

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A7.2

DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:56:38 PM



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|-----------|-------------|
| NO. | DESCRIPTION |
| | |
| | |
| | |
| | |
| | |

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

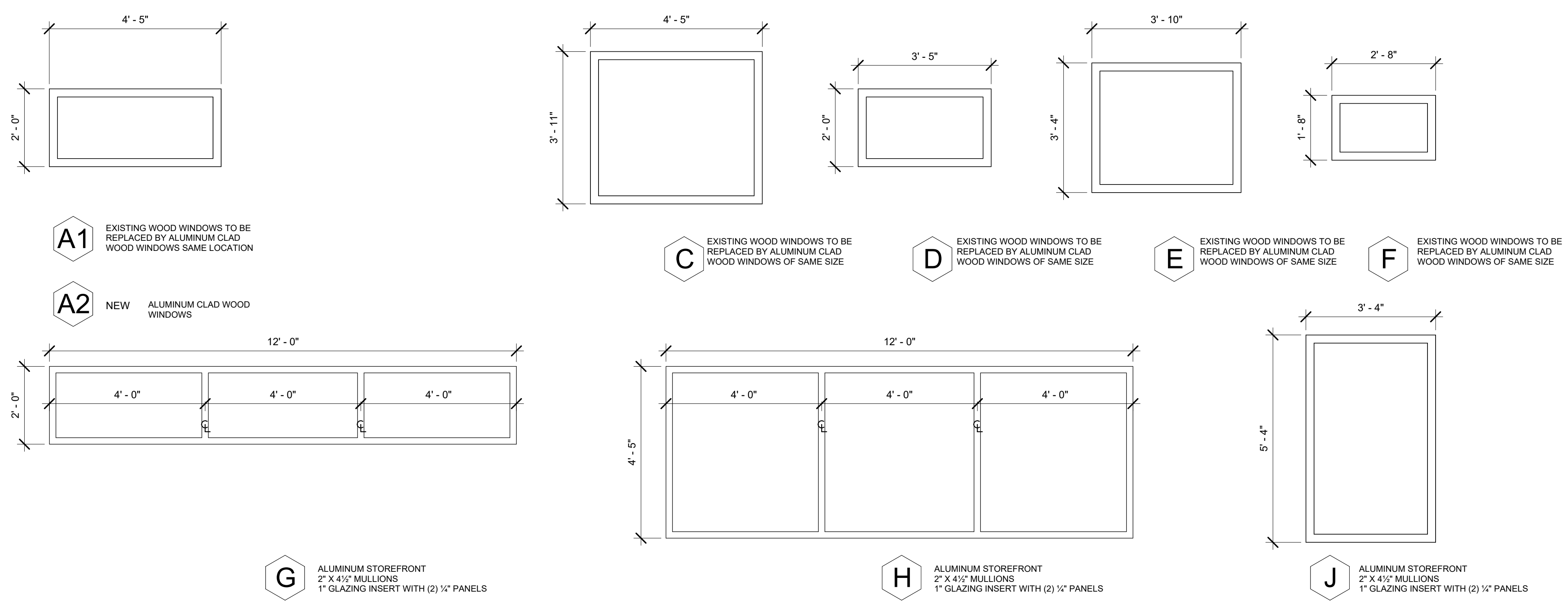
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
WINDOW SCHEDULE

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A7.3

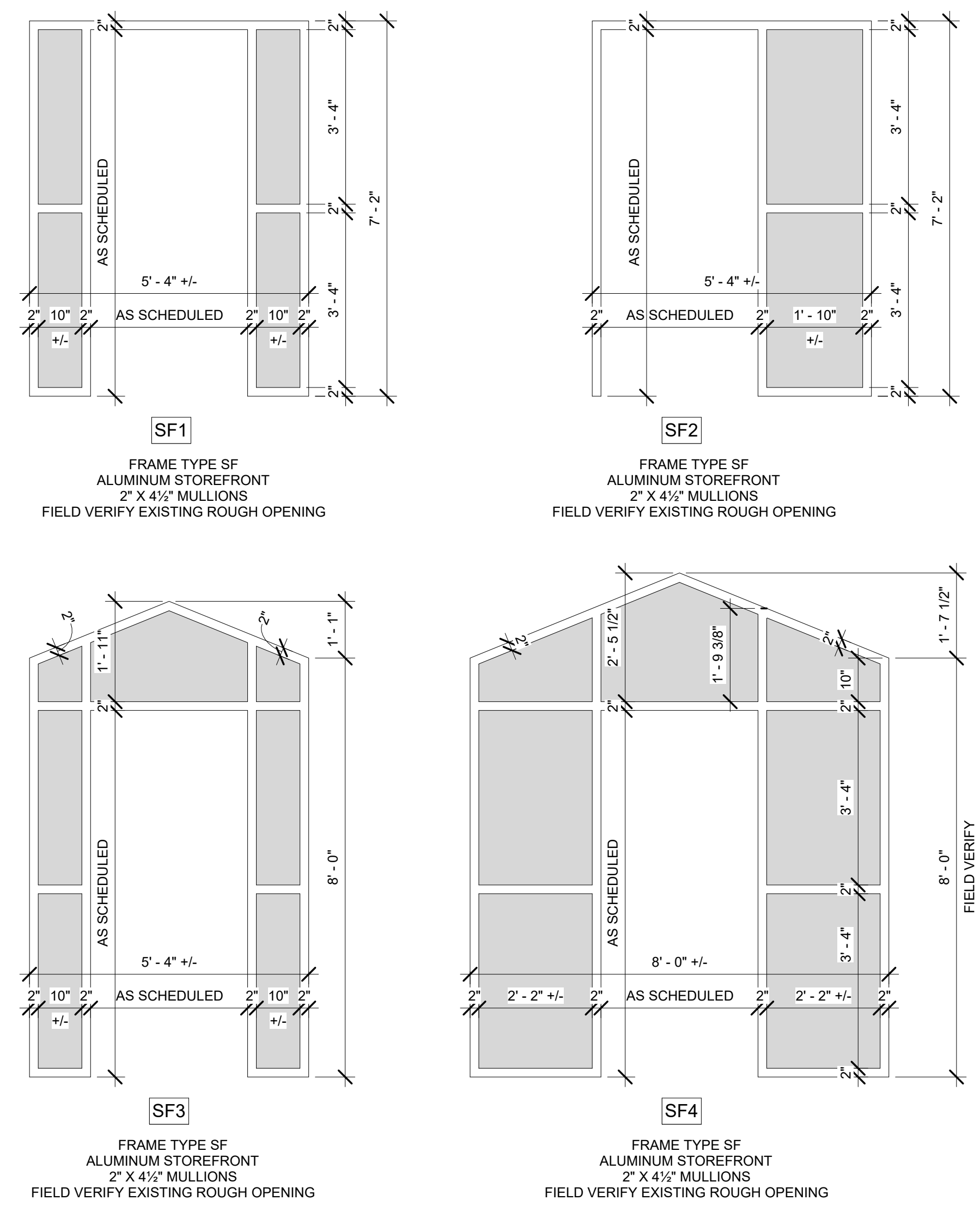
DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:56:41 PM



Window Legend

SCALE: 1/2" = 1'-0"

DIMENSIONS ABOVE ARE APPROXIMATE AND MAY VARY SLIGHTLY BETWEEN WINDOWS OF THE SAME TYPE DESIGNATION CONTRACTOR TO VERIFY SIZE OF EXISTING WINDOW OPENINGS PRIOR TO ORDERING NEW WINDOWS

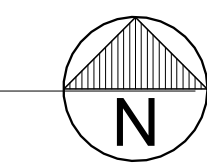
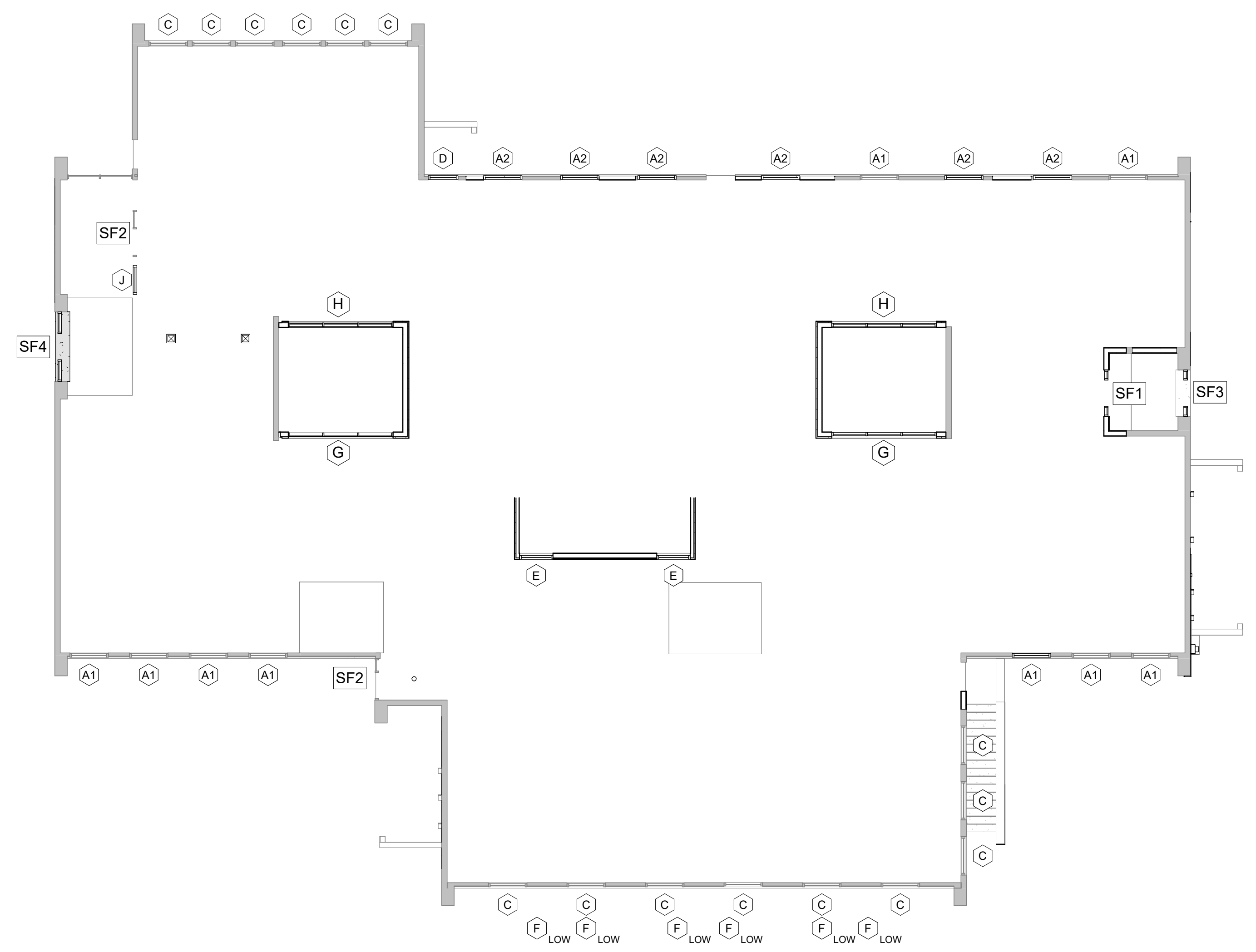


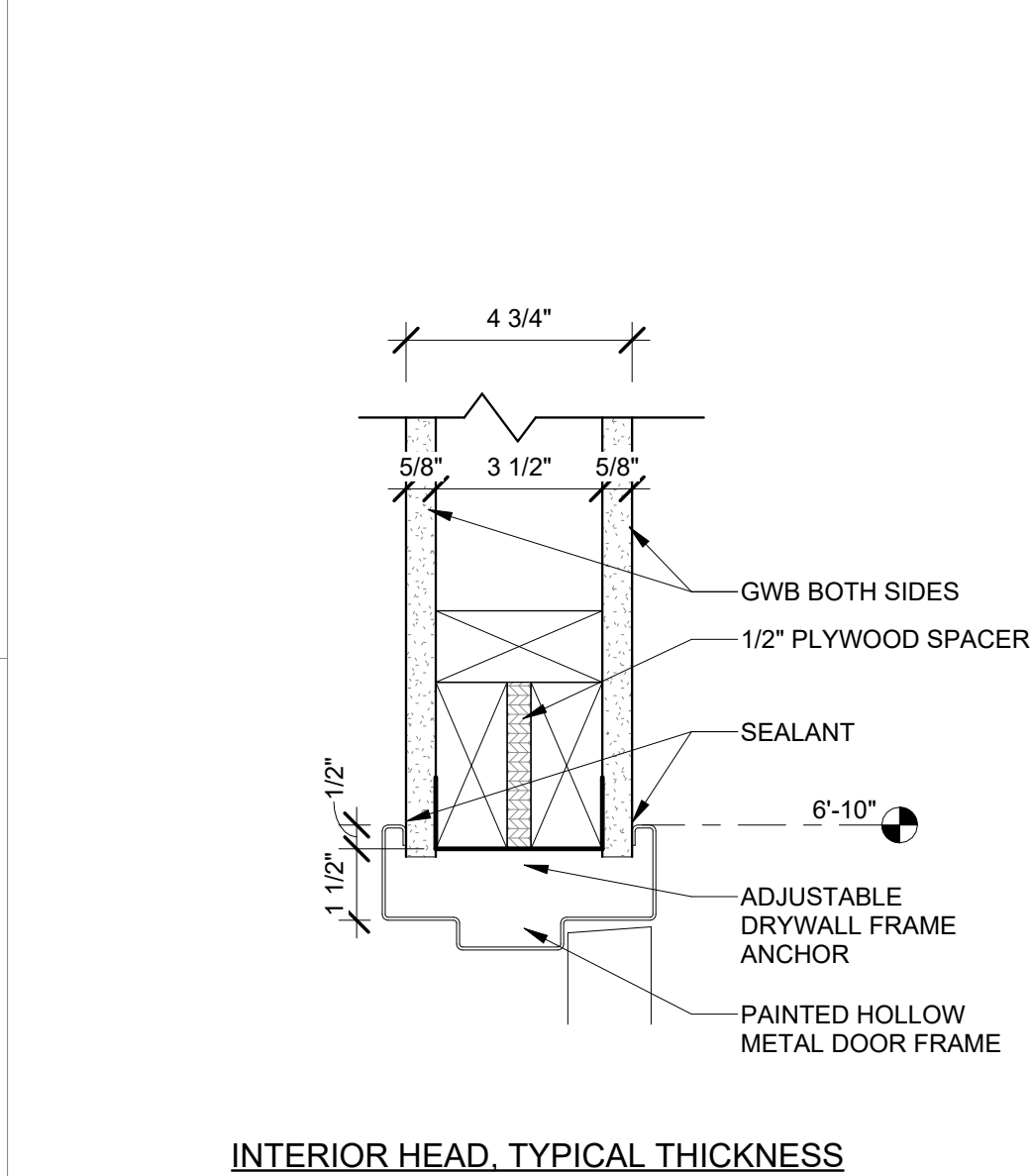
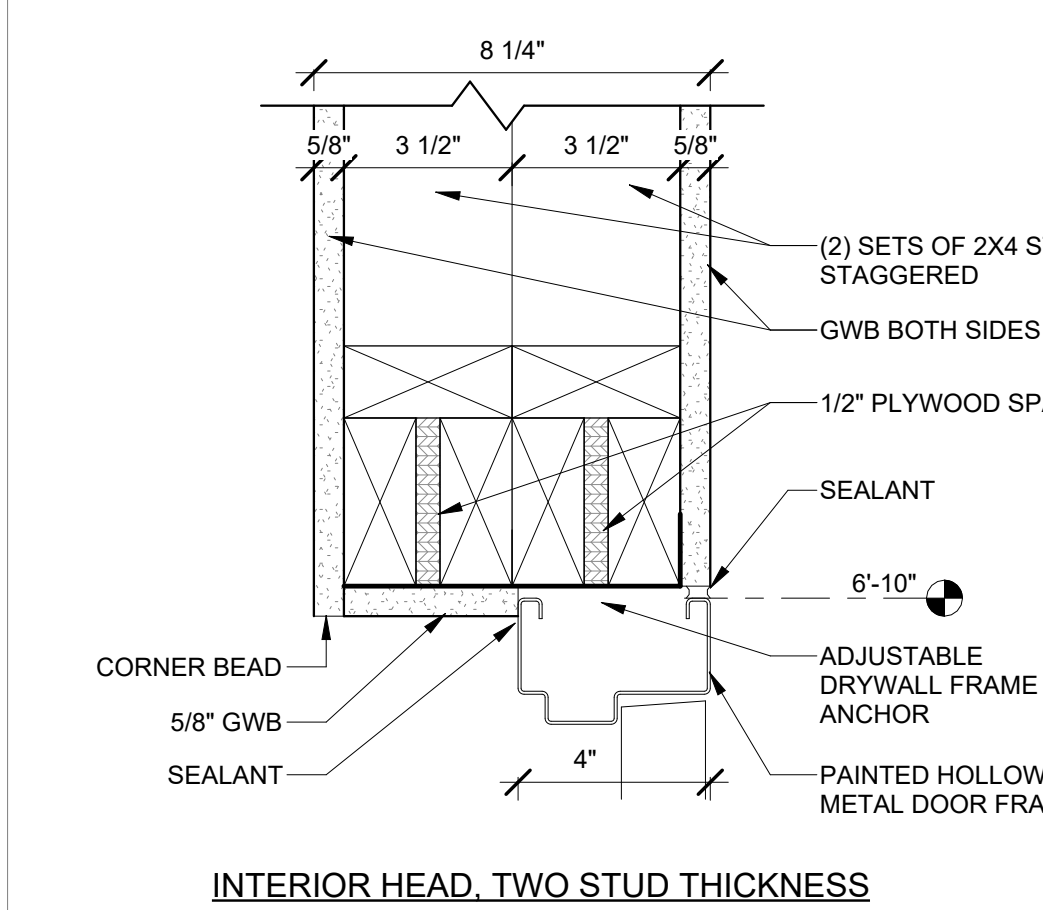
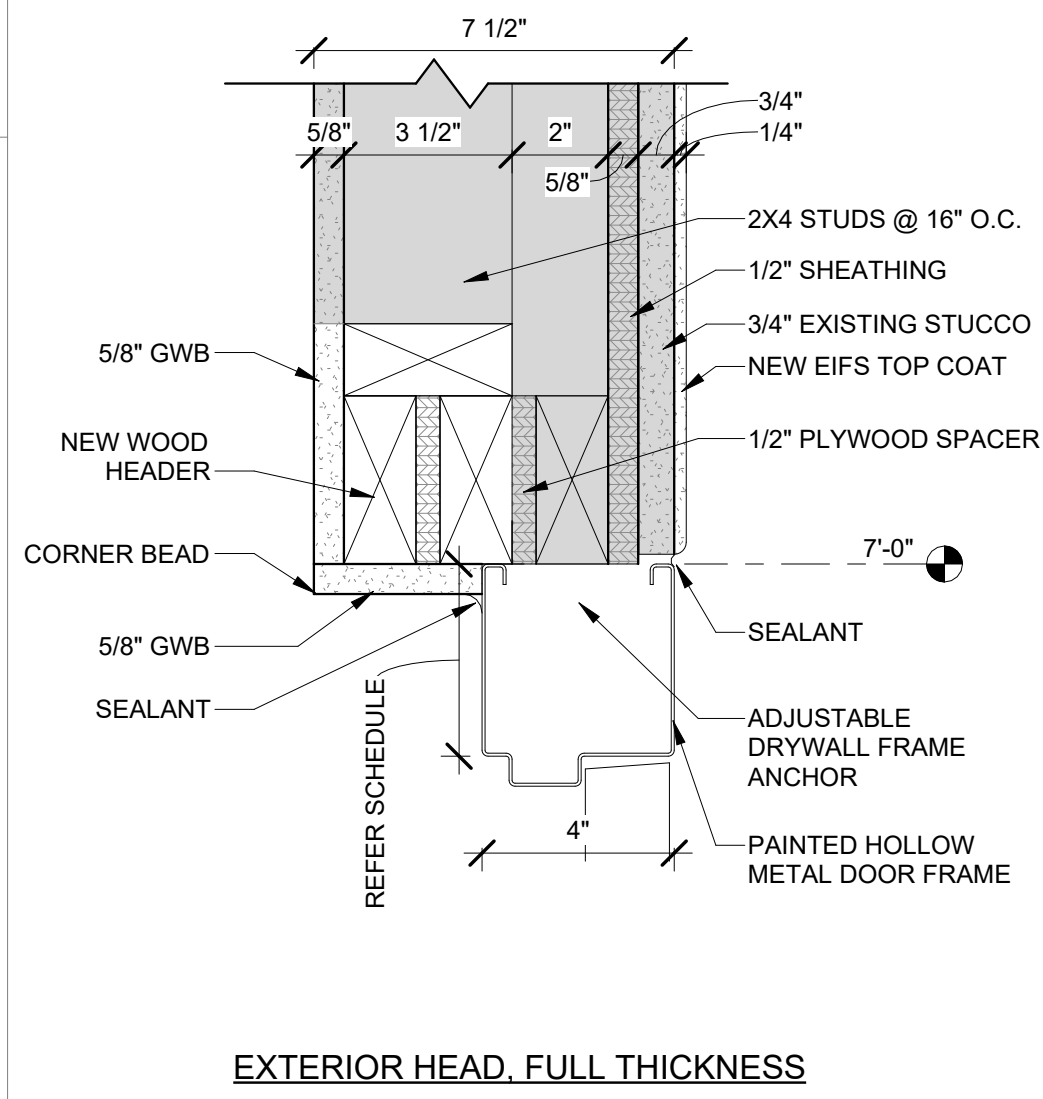
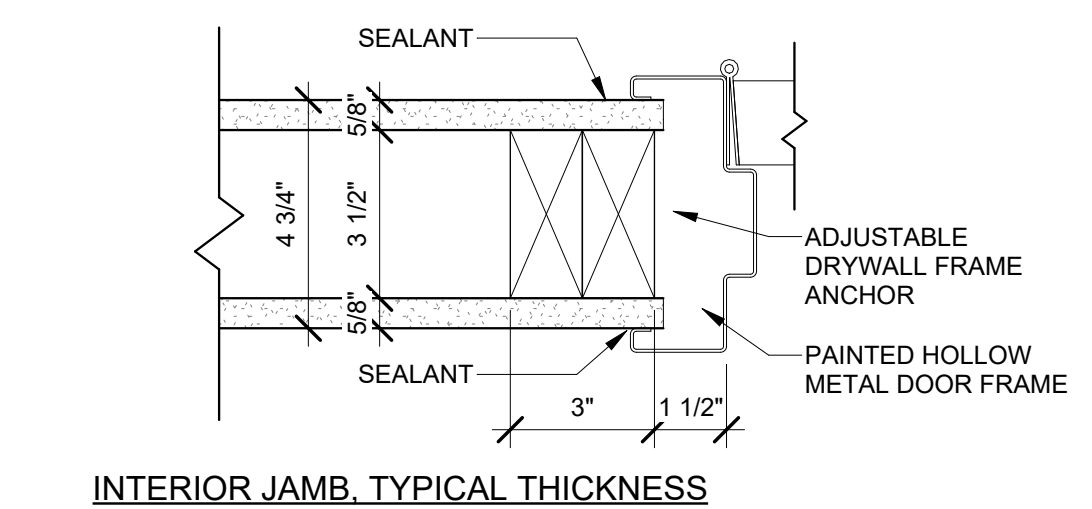
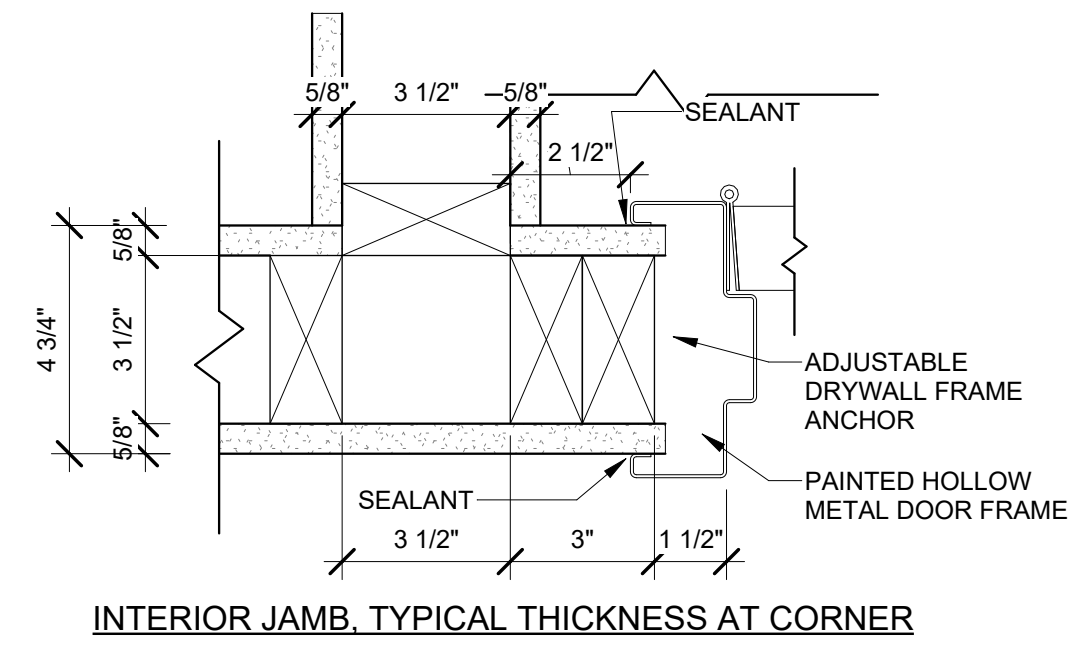
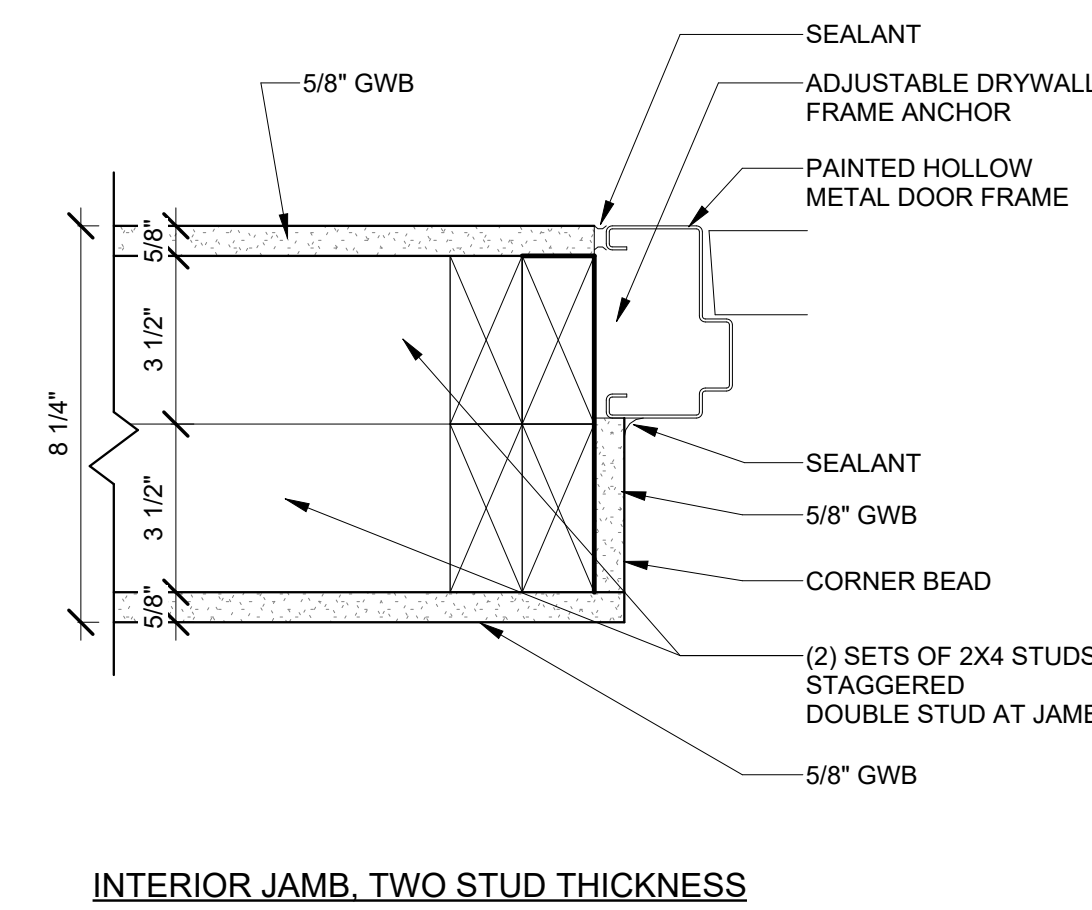
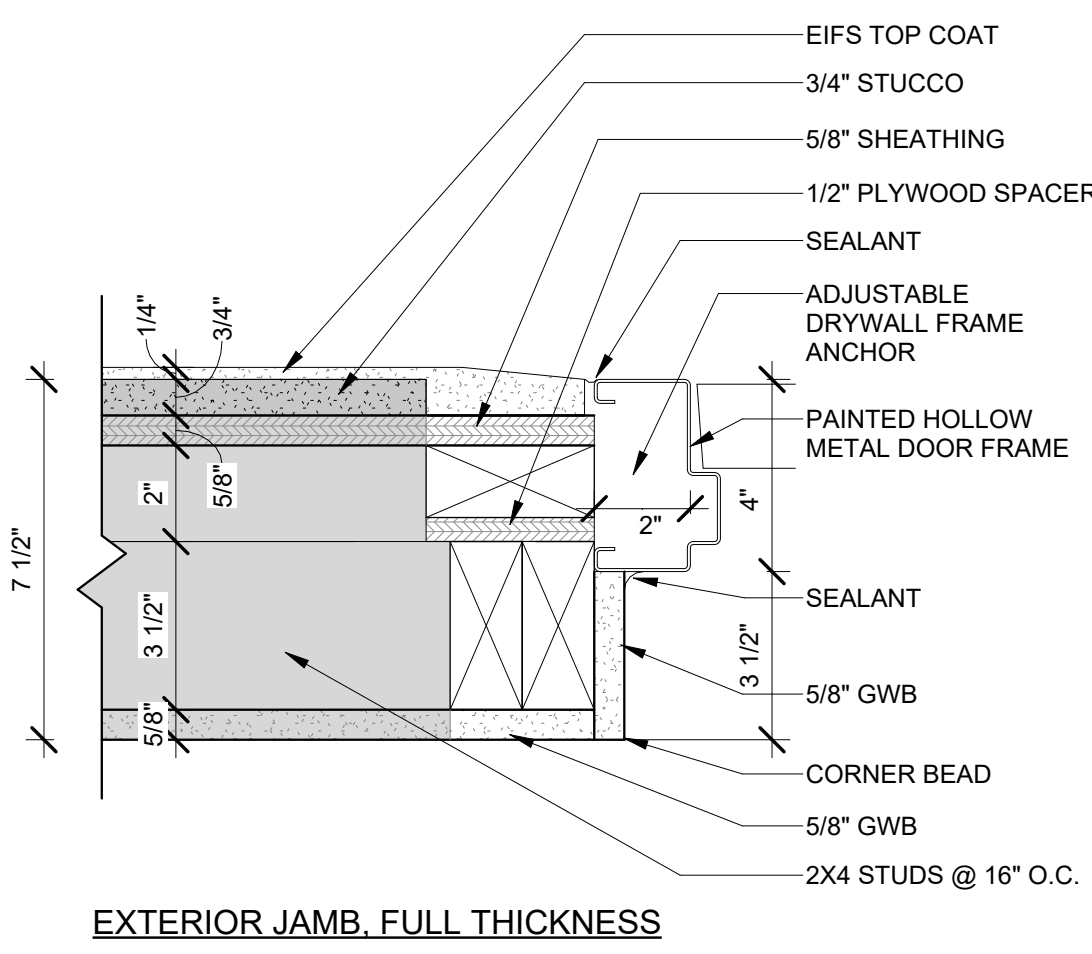
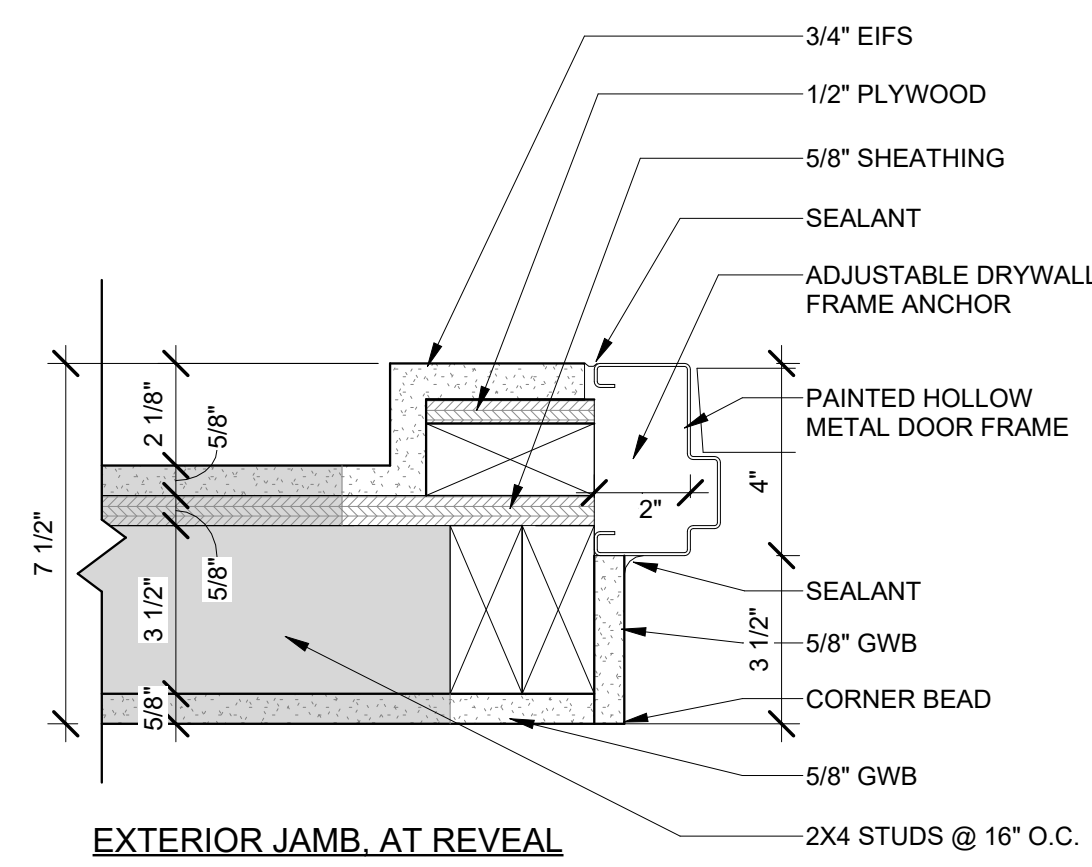
2 Storefront Legend

SCALE: 1/2" = 1'-0"

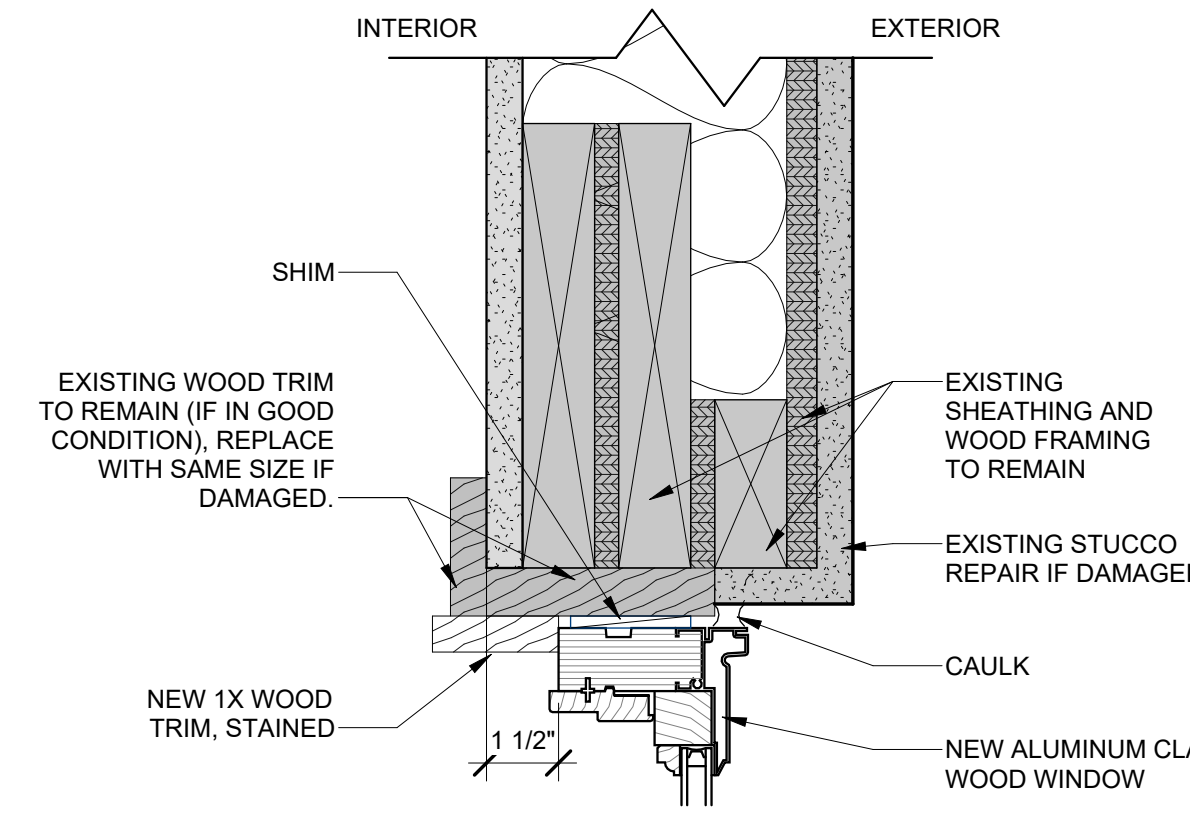
1 Level 1 Windows

SCALE: 1" = 10'-0"

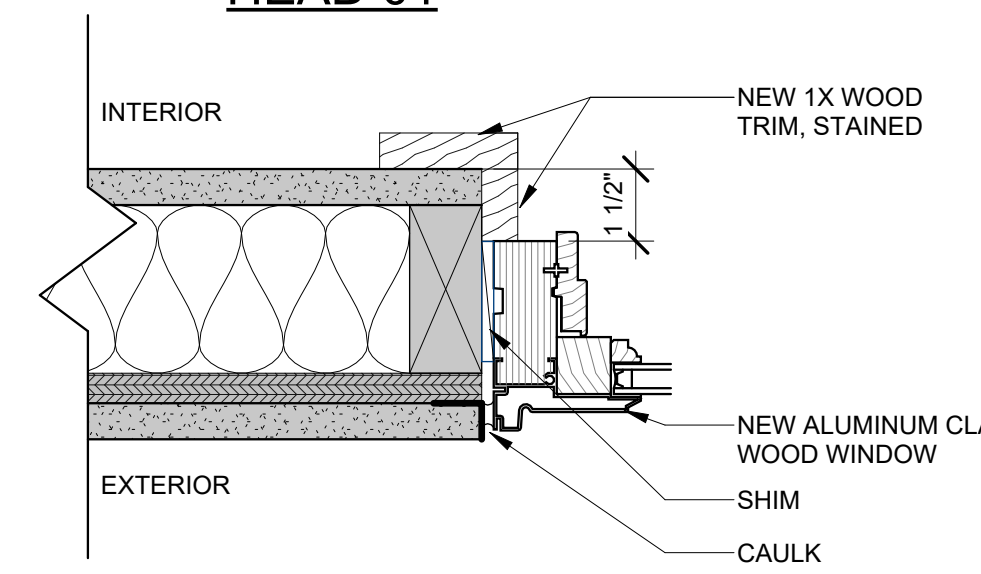




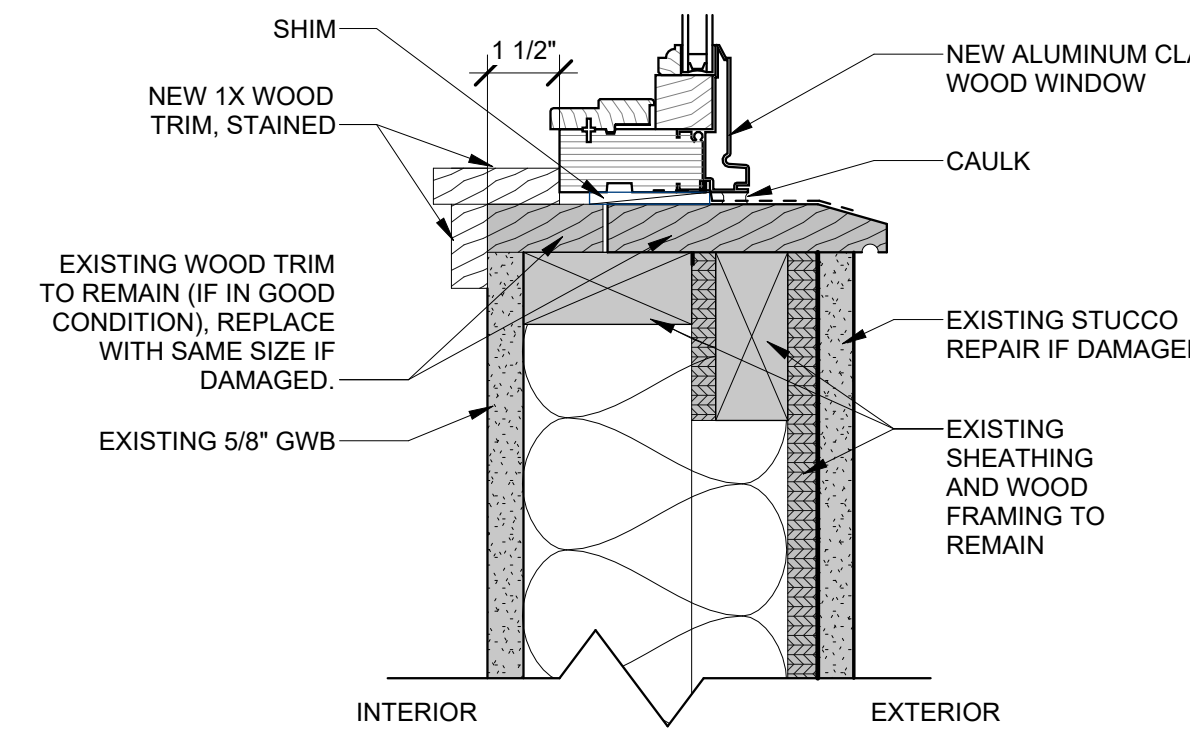
FIXED WINDOW



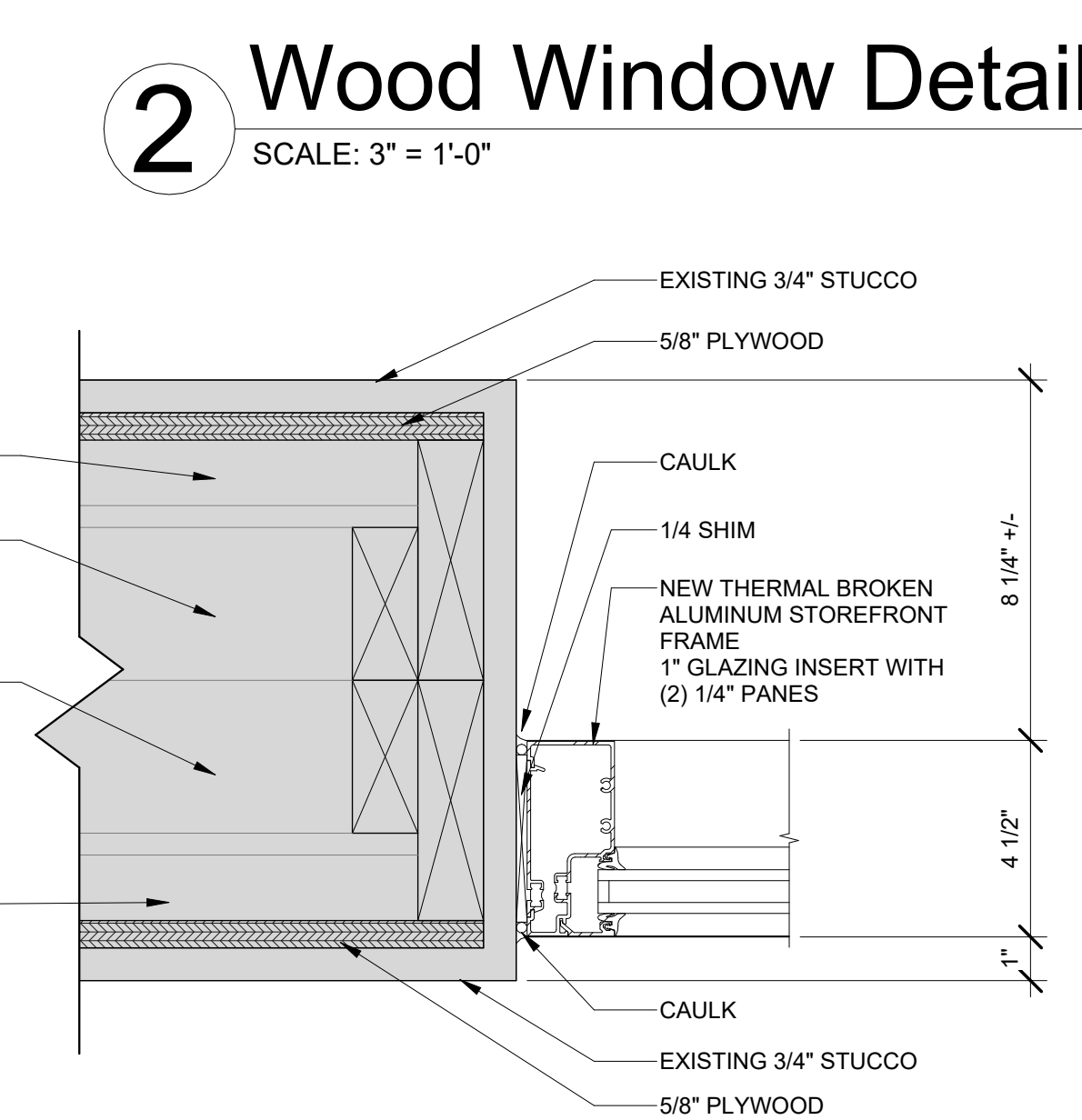
HEAD 01



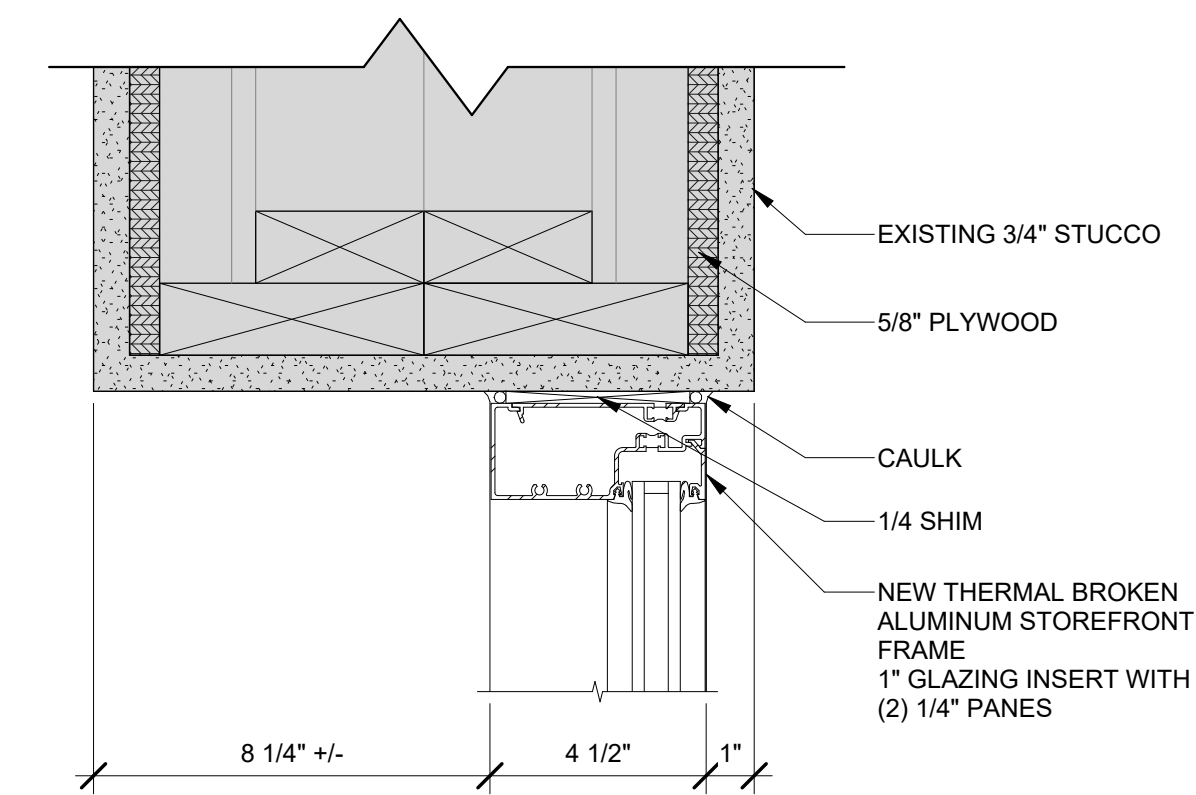
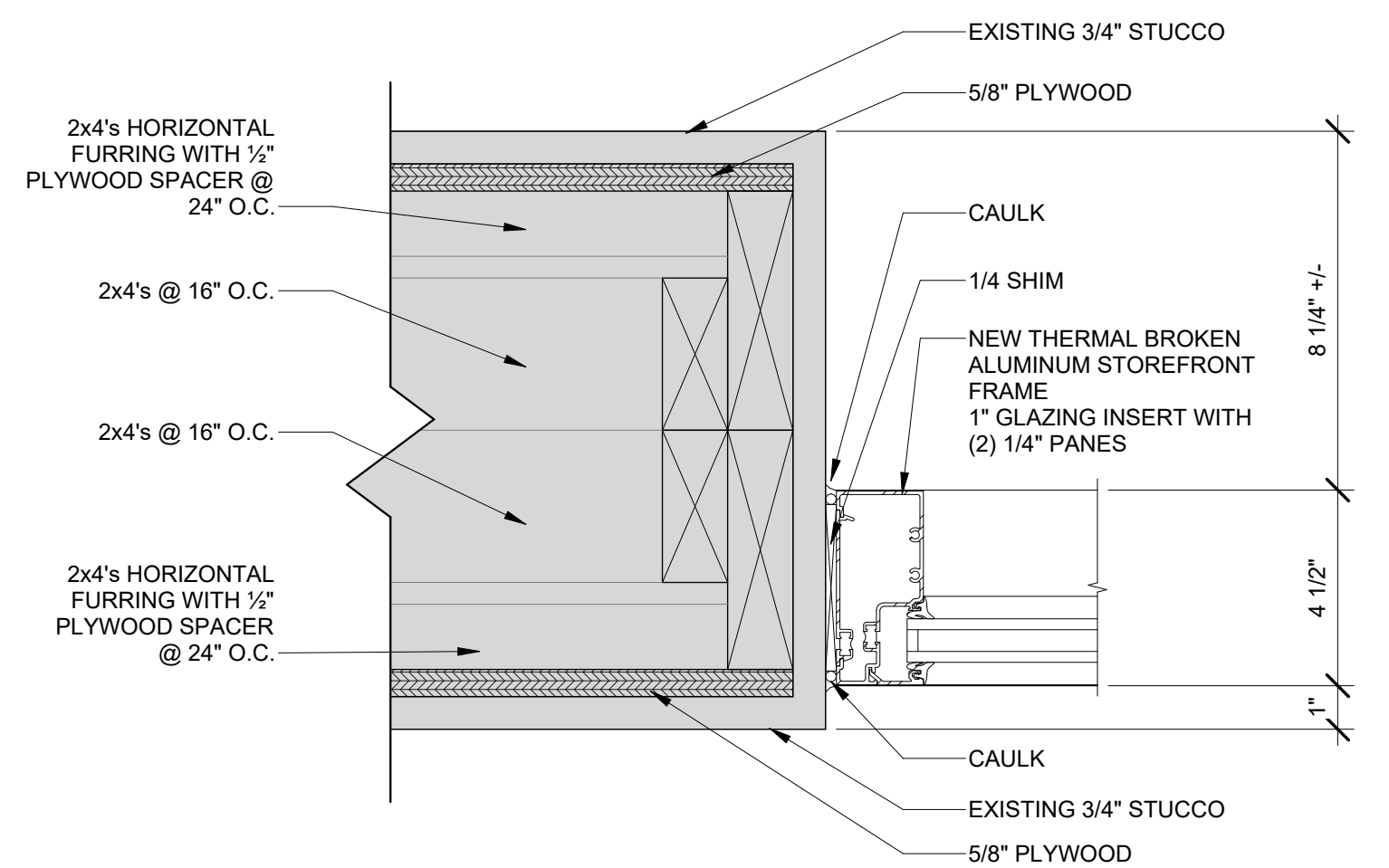
JAMB 01



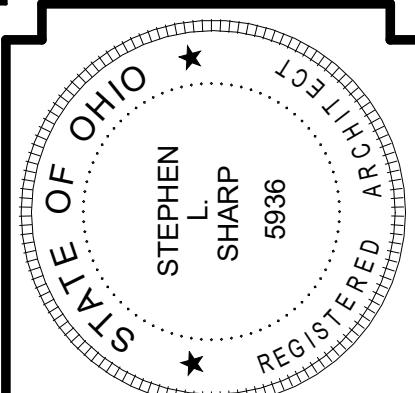
SILL 01



2 Wood Window Details Fixed ITEMS SHADED IN GRAY ARE EXISTING
SCALE: 3" = 1'-0"



1 Door Details ITEMS SHADED IN GRAY ARE EXISTING
SCALE: 3" = 1'-0"



Stephen L. Sharp, License #5936
Expiration Date: 12/31/2024

| REVISIONS | |
|------------|--------------------------|
| NO. | DESCRIPTION |
| 04/02/2024 | SUBMITTED FOR BID/PERMIT |

McCall SHARP
ARCHITECTURE
P: (937)323-4300
F: (937)322-8142
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield Ohio
DOOR AND WINDOW DETAILS

JOB NO: 2322

DRAWN BY: CG
CHECKED BY: SLS
Construction Documents

A7.4

DATE: 2024-04-04
PRINT DATE: 4/4/2024 3:56:42 PM

FIRE PROTECTION SPECIFICATION

- SCOPE OF WORK**
- THE FIRE PROTECTION CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION AND FACILITIES NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE SPRINKLER SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - INSTALLATION OF NEW WET SPRINKLER SYSTEM AS REQUIRED TO PROVIDE COVERAGE IN ACCORDANCE WITH NFPA-13R, LOCAL CODES, OWNER'S CRITERIA, AND INSURANCE CARRIERS FOR THE OWNER AND TENANT.
 - TAPS, RISERS, LATERALS, BRANCHES, VALVES, ALARMS, SPRINKLER HEADS AND ALL COMPONENTS REQUIRED FOR A COMPLETE SYSTEM.
 - DESIGN DRAWINGS, CALCULATIONS, SUBMITTALS AND APPROVALS.
 - PERMITS, FEES, AND CHARGES.
 - TESTS AND TEST CERTIFICATES.
 - COST FOR SHUT DOWN FEES.
 - THE CONTRACTOR THAT DOES THE ACTUAL SPRINKLER WORK IS REQUIRED TO BE A OWNER APPROVED SPRINKLER CONTRACTOR.
 - BEFORE STARTING WORK, THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS TO SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE FIRE PROTECTION SYSTEM, MATERIALS, AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.
- PERMIT AND REQUIREMENTS.**
- THE FIRE PROTECTION CONTRACTOR SHALL PREPARE DETAILED SHOP DRAWINGS AND CALCULATIONS FOR HIS WORK. SUBMIT SIX (6) COPIES TO GENERAL CONTRACTOR FOR APPROVAL. NO WORK SHALL BEGIN UNTIL TENANT'S CONSTRUCTION MANAGER APPROVES HEAD AND PIPING LOCATIONS.
 - THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR SUBMITTING COORDINATED DRAWINGS, CALCULATIONS, HEAD TYPES AND COLORS TO ALL AUTHORITIES HAVING JURISDICTION FOR APPROVAL. NO WORK SHALL BEGIN UNTIL ALL APPROVALS HAVE BEEN RECEIVED.
 - A COPY OF THE LETTER OF APPROVAL FROM THE OWNER'S INSURANCE RATING BUREAU SHALL BE FORWARDED TO THE OWNER'S AGENT AND TO THE TENANT'S CONSTRUCTION MANAGER.
 - FIRE PROTECTION CONTRACTOR SHALL PROVIDE FULL PERMIT SUBMISSION DOCUMENTS, AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, VIA A SEPARATE SUBMISSION. THIS SHALL BE INCLUDED IN THE BID FOR THIS PROJECT.
- EQUIPMENT**
- SPRINKLER HEADS:**
 - ALL SPRINKLER HEADS SHALL BE NEW, U.L. F.M. LISTED AND APPROVED AUTOMATIC SPRAY TYPE AS MANUFACTURED BY CENTRAL SPRINKLER CO., GLOBE, GRINNELL, RELIABLE, STAR, OR VIKING.
 - ALL SPRINKLER HEADS SHALL BE RATED FOR 165°F UNLESS INDICATED OTHERWISE ON DRAWINGS OR REQUIRED BY LOCAL CODES. VERIFY HEAD TYPES AND SUBMIT WITH SPRINKLER DRAWINGS FOR PERMIT. SPRINKLER HEAD TYPES SHALL BE AS FOLLOWS:
 - FINISHED CEILING - SEMI-RECESSED TYPE
 - NO-CEILING - CHROME UPRIGHT TYPE. NOTE: SEMI-RECESSED HEADS SHALL PROTRUDE NO MORE THAN 1" BELOW LEVEL OF CEILING OF SOFFIT. ALL HORIZONTAL SPRINKLER RUNS AT SIDEWALL SOFFITS SHALL BE CONCEALED WITHIN SOFFIT FRAMING.
- GENERAL PIPING**
- NEW FIRE PROTECTION SYSTEM SHALL BE INSTALLED. SPRINKLER SPACING SHALL NOT EXCEED 225 SQ. FT. IN "OFFICE" & "PATIENT ROOMS" AREAS AND 130 SQ. FT. IN "UTILITY" AREAS. PIPE SIZING SHALL BE BASED ON NFPA LIGHT AND ORDINARY HAZARD.
 - ALL SPRINKLER LINES SHALL BE INSTALLED CONCEALED, AVOIDING INTERFERENCE WITH LIGHTS, DUCTS, PIPES, STORAGE DECK, ETC. FIRE PROTECTION CONTRACTOR SHALL PREPARE COORDINATED SHOP DRAWINGS INDICATING THE LOCATIONS OF ALL SPRINKLER HEADS, SPRINKLER LINES, LIGHTS, DIFFUSERS, GRILLES AND REGISTERS PRIOR TO INSTALLATION. NO SPRINKLER LINES RUN IN ATTIC OR EXTERIOR WALLS.
 - LOCATIONS OF ALL HEADS SHOULD BE APPROVED BY THE LOCAL FIRE PROTECTION OFFICIAL AND THE CONSTRUCTION MANAGER BEFORE INSTALLATION. HEADS MUST BE LOCATED IN THE CENTER OF CEILING TILES AND IN A SYMMETRICAL PATTERN WITH OTHER CEILING FIXTURES. ADDITIONAL MONIES WILL NOT BE ALLOCATED FOR ADDITIONAL HEADS REQUIRED BY FIELD FIRE INSPECTOR AFTER BIDS ARE ACCEPTED.
 - PROVIDE AND INSTALL A VALVED TEST CONNECTION FOR THE SPRINKLER SYSTEM. LOCAL INSPECTOR, OR INSURANCE CARRIER, COORDINATE LOCATION WITH LOCAL FIRE PROTECTION OFFICIAL PRIOR TO ROUGH-IN.
- PIPING:**
- SCHEDULE 40, BLACK STEEL PIPE, ASTM A-53 FOR FERROUS PIPING, WELDED AND SEAMLESS, ANSI B-36-10-70 FOR WROUGHT STEEL PIPE.
 - CAST IRON OR MALLEABLE IRON SCREWED FITTINGS FOR PIPES 2 INCHES AND SMALLER. SCREWED OR CAST IRON FLANGED JOINTS FOR PIPES LARGER THAN 2 INCHES.
 - GALVANIZED OR BLACK MALLEABLE IRON WITH BRASS SEAT SCREWED UNIONS FOR PIPES 2 INCHES AND SMALLER.
 - VICTAULIC TYPE COUPLINGS ARE ACCEPTABLE, WHERE APPROVED BY CODE.
- TESTS**
- WHEN COMPLETED, THE ENTIRE FIRE PROTECTION PIPING SYSTEM SHALL BE HYDROSTATICALLY TESTED AS REQUIRED BY THE RULES AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION. SYSTEM SHALL SHOW NO SIGNS OF LEAKAGE OR OTHER DEFECTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE WORK OF THE OTHER CONTRACTORS OR TO THE BUILDING, OR TO ITS CONTENTS, PEOPLE, ETC., CAUSED BY LEAKS IN ANY OF THE EQUIPMENT INSTALLED BY HIM. ALL REPAIRS OR REPLACEMENT OF DAMAGES SHALL BE AT THIS CONTRACTOR'S EXPENSE.
 - PROPERLY COMPLETED AND SIGNED "SPRINKLER CONTRACTOR'S MATERIAL AND TEST CERTIFICATES" SHALL BE FURNISHED TO THE OWNER, AUTHORITIES HAVING JURISDICTION, AND TENANT'S CONSTRUCTION MANAGER.



NOTE:
DRAWING IS FOR INTENT ONLY. ALL WORK AND CALCULATION TO BE PERFORMED BY A LICENSED CERTIFIED SPRINKLER CONTRACTOR UNDER SEPARATE PERMIT SUBMISSION, INCLUDED ALL COST IN BID. COORDINATE ALL FLOW AND TAMPER VALVE LOCATIONS AND FIRE ALARM INTERFACE REQUIREMENT WITH FIRE ALARM CONTRACTOR FOR ALL NEW WORK. (A CERTIFIED SPRINKLER CONTRACTOR IS RESPONSIBLE TO DESIGN AND INSTALL A DRY PIPE SPRINKLER SYSTEM (FOR ANY UN-CONDITION SPACES), REFER TO ARCHITECTURAL DRAWINGS.

NOTE:
INSTALLATION OR ALTERATIONS TO A SPRINKLER SYSTEM REQUIRES A SEPARATE SUBMITTAL AND PERMIT. WORK SHALL BE COMPLETED BY STATE LICENSED CONTRACTOR. PLAN APPROVAL AND PERMIT IS REQUIRED PRIOR TO START OF WORK AND BEFORE THE ABOVE CEILING INSPECTION.

| FIRE PROTECTION LEGEND | | | |
|------------------------|-----------------------------|------------------|------------------------|
| DETAIL | DESCRIPTION | DETAIL | DESCRIPTION |
| —A— | AIR LINE | SPRINKLER PIPING | |
| —D— | DRAIN LINE | | |
| —DPS— | DRY PIPE SYSTEM | ⊘ | GATE VALVE |
| —F— | FIRE PROTECTION LINE | ⊘ | FIRE SUPPRESSION VALVE |
| —W— | DOMESTIC WATER SERVICE LINE | ⊘ | METER |
| —Z— | ZONE LIMIT/BOUNDARY LINE | ⊘ | BACKFLOW PREVENTOR |
| | | ⊘ | CONNECTION |
| | | ⊘ | EQUIPMENT NUMBER |
| | | ● | FLOOR CLEAN OUT |
| | | ⬡ | CODED NOTE |

LEVEL 1 OVERALL - FIRE PROTECTION FLOOR PLAN
SCALE: 1/8" = 1'-0"

FIRE PROTECTION CODED NOTES

- 4" STAIRWELL STANDPIPE AND 3" DRAIN PIPE. PROVIDE FIRE HOSE VALVE ON MID-FLOOR RISER.
- PROVIDE FLOOR CONTROL VALVE AND TAMPER SWITCH. ALL SPRINKLERS TO BE CONNECTED AFTER FLOOR CONTROL VALVE.
- PROVIDE BRANCH PIPING AND GRID SIZED TO SPRINKLER THIS AREA PER LIGHT HAZARD DENSITY. SPRINKLE FINISHED AREAS PER SPECIFICATIONS.
- PROVIDE BRANCH PIPING AND GRID SIZED TO SPRINKLER THIS AREA PER ORDINARY HAZARD DENSITY. SPRINKLE FINISHED AREAS PER SPECIFICATIONS.



It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: TAR

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

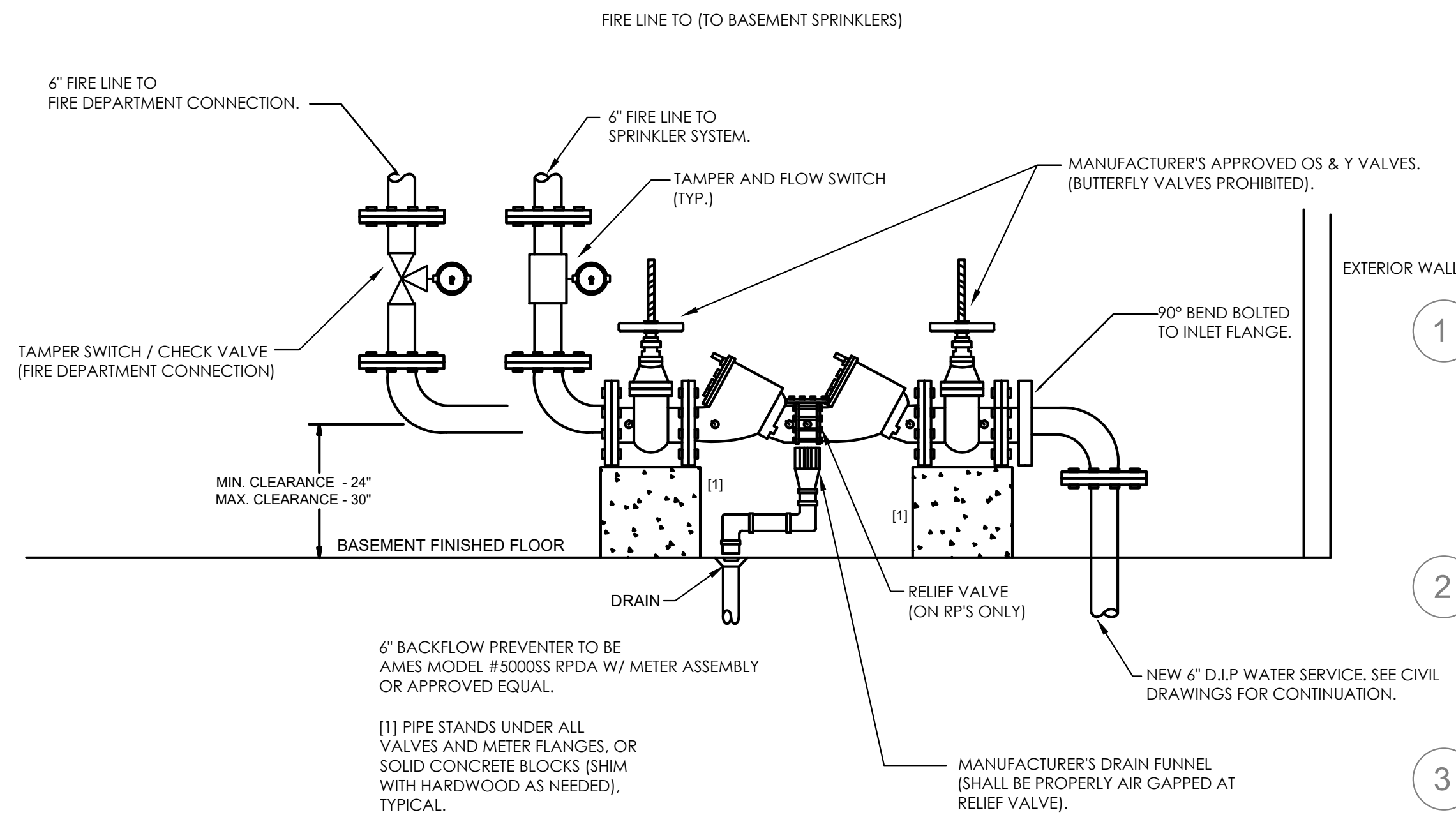
Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |

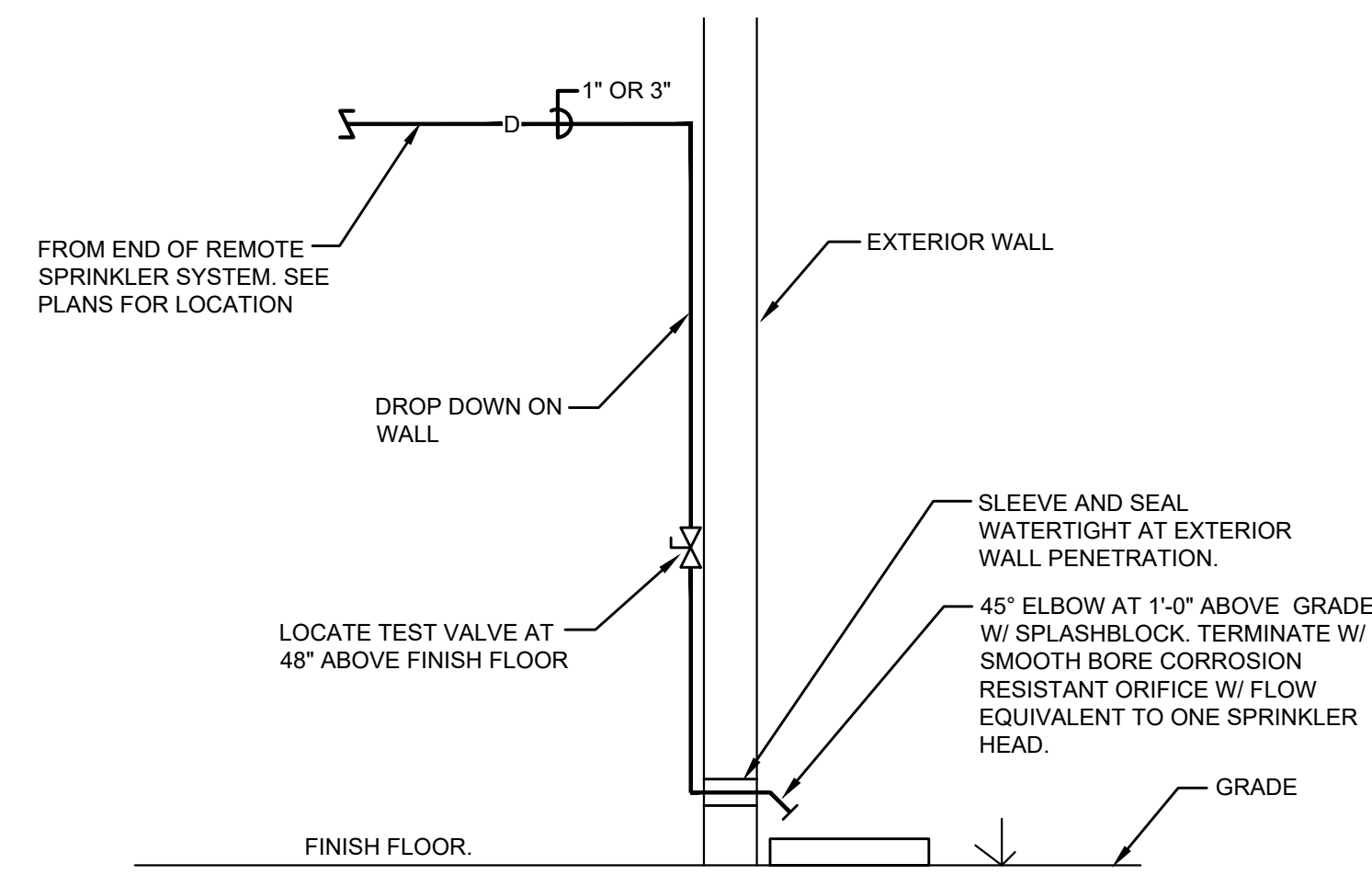


April 03, 2024
LEVEL 1 OVERALL - FIRE PROTECTION FLOOR PLAN

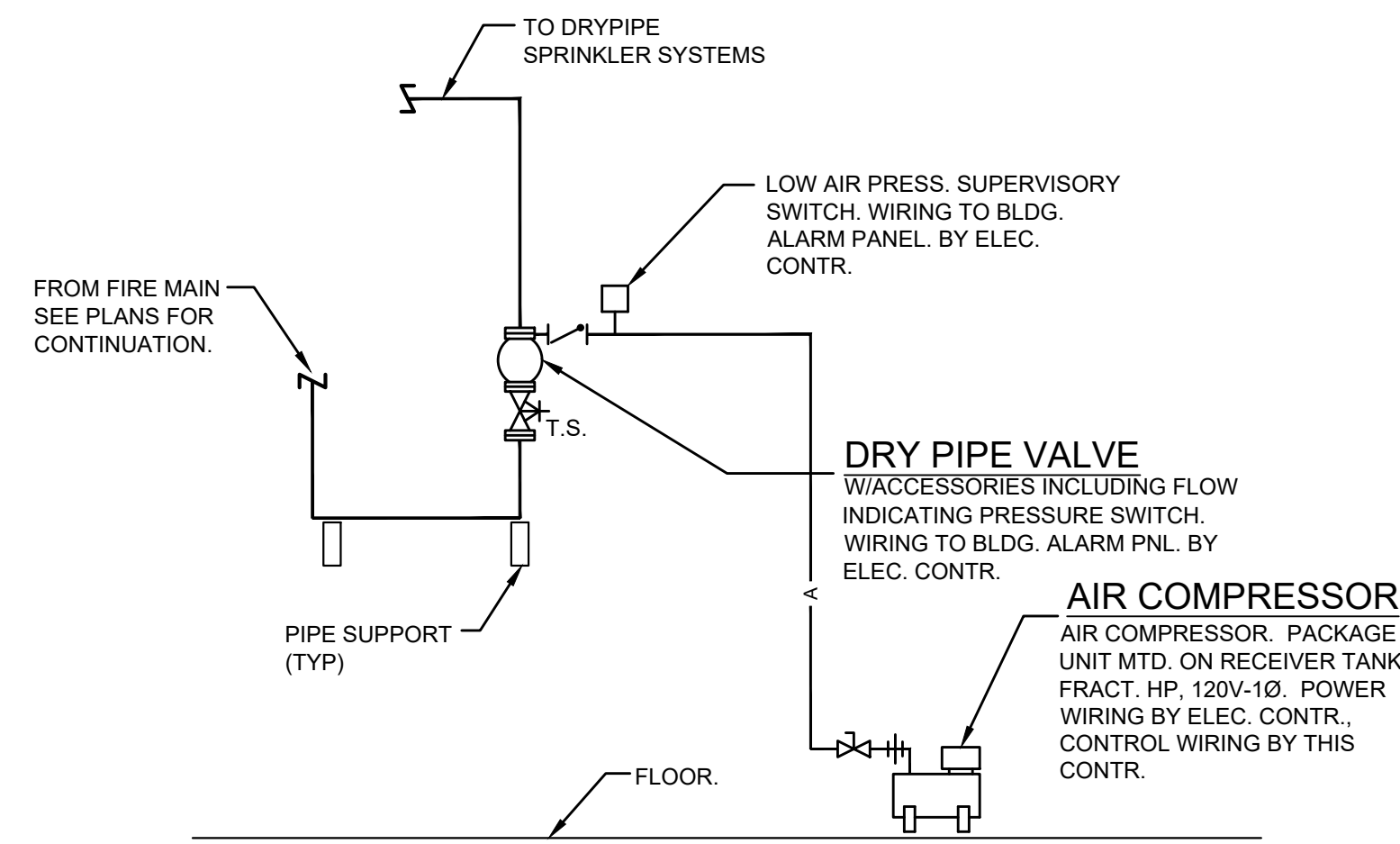
FP1.0



A FIRE PROTECTION RISER DETAIL
SCALE: N.T.S.



B WET SPRINKLER SYSTEM TEST CONNECTION DIAGRAM
SCALE: N.T.S.

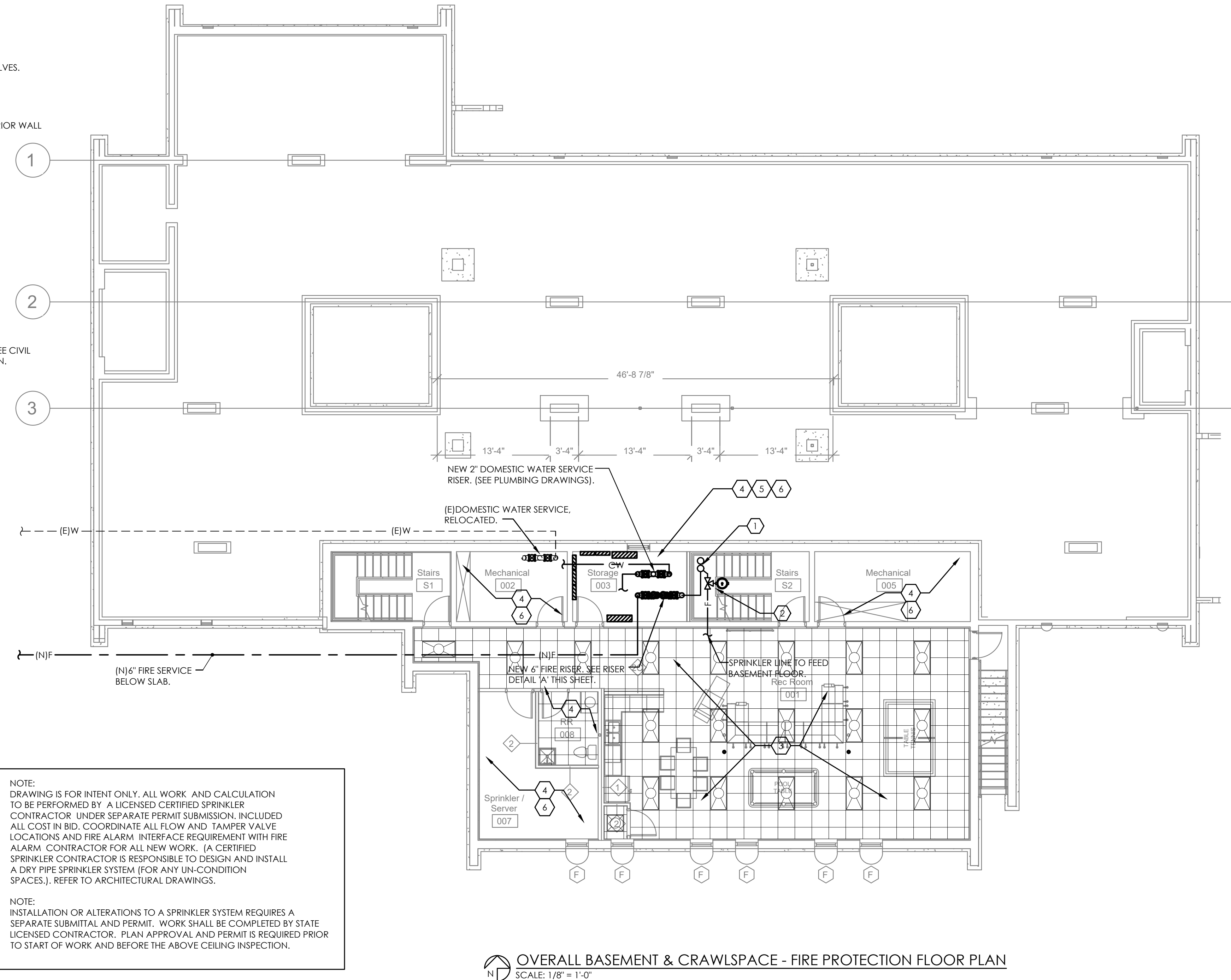


C DRY PIPE ALARM VALVE RISER DIAGRAM
SCALE: N.T.S.

- DRY PIPE RISER NOTES:**
1. PROVIDE SUPPORTS AND BRACING AS REQUIRED TO SUPPORT AND SECURE PIPING AND EQUIPMENT.
 2. EXTEND ALL DRAINS FROM DRY PIPE SYSTEM HARDWARE TO POINT(S) AS INDICATED ON PLANS.
 3. THIS DIAGRAM IS FOR SPECIFIC INFORMATION PERTAINING TO ITEMS INDICATED. ALL PIPING AND EQUIPMENT REQUIRED FOR PROPER OPERATION IS NOT SHOWN. ACTUAL INSTALLATION OF DRY PIPE VALVE AND ACCESSORIES IS TO BE PER THE MANUFACTURER'S RECOMMENDATIONS, AND AS REQUIRED TO FIT IN THE AREA INDICATED ON PLANS.
 4. FIRE PROTECTION CONTRACTOR TO LOCATE AND INSTALL AIR COMPRESSOR AT ALARM VALVE INSTALLATION, COORDINATING WITH STRUCTURE AND WORK OF OTHER TRADES IN SAME AREA.
 5. WATER AND AIR PRESSURE GAUGES WITH GAUGE COCKS ARE PROVIDED WITH THE ALARM VALVE.

NOTE:
DRAWING IS FOR INTENT ONLY. ALL WORK AND CALCULATION TO BE PERFORMED BY A LICENSED CERTIFIED SPRINKLER CONTRACTOR UNDER SEPARATE PERMIT SUBMISSION. INCLUDED ALL COST IN BID. COORDINATE ALL FLOW AND TAMPER VALVE LOCATIONS AND FIRE ALARM INTERFACE REQUIREMENT WITH FIRE ALARM CONTRACTOR FOR ALL NEW WORK. (A CERTIFIED SPRINKLER CONTRACTOR IS RESPONSIBLE TO DESIGN AND INSTALL A DRY PIPE SPRINKLER SYSTEM (FOR ANY UN-CONDITION SPACES). REFER TO ARCHITECTURAL DRAWINGS.

NOTE:
INSTALLATION OR ALTERATIONS TO A SPRINKLER SYSTEM REQUIRES A SEPARATE SUBMITTAL AND PERMIT. WORK SHALL BE COMPLETED BY STATE LICENSED CONTRACTOR. PLAN APPROVAL AND PERMIT IS REQUIRED PRIOR TO START OF WORK AND BEFORE THE ABOVE CEILING INSPECTION.



OVERALL BASEMENT & CRAWLSPACE - FIRE PROTECTION FLOOR PLAN
SCALE: 1/8" = 1'-0"

FIRE PROTECTION CODED NOTES

1. 4" STAIRWELL STANDPIPE AND 3" DRAIN PIPE. PROVIDE FIRE HOSE VALVE ON MID-FLOOR RISER.
2. PROVIDE FLOOR CONTROL VALVE AND TAMPER SWITCH. ALL SPRINKLERS TO BE CONNECTED AFTER FLOOR CONTROL VALVE.
3. PROVIDE BRANCH PIPING AND GRID SIZED TO SPRINKLER THIS AREA PER LIGHT HAZARD DENSITY. SPRINKLE FINISHED AREAS PER SPECIFICATIONS.
4. PROVIDE BRANCH PIPING AND GRID SIZED TO SPRINKLER THIS AREA PER ORDINARY HAZARD DENSITY. SPRINKLE FINISHED AREAS PER SPECIFICATIONS.
5. PROVIDE SHIELDS OVER ELECTRICAL EQUIPMENT PER NFPA 13.
6. PROVIDE UPRIGHT TYPE SPRINKLER HEADS.

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

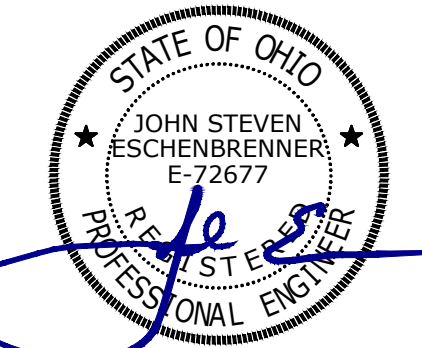
PROJECT NUMBER: 230149
DESIGN BY: TAR

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

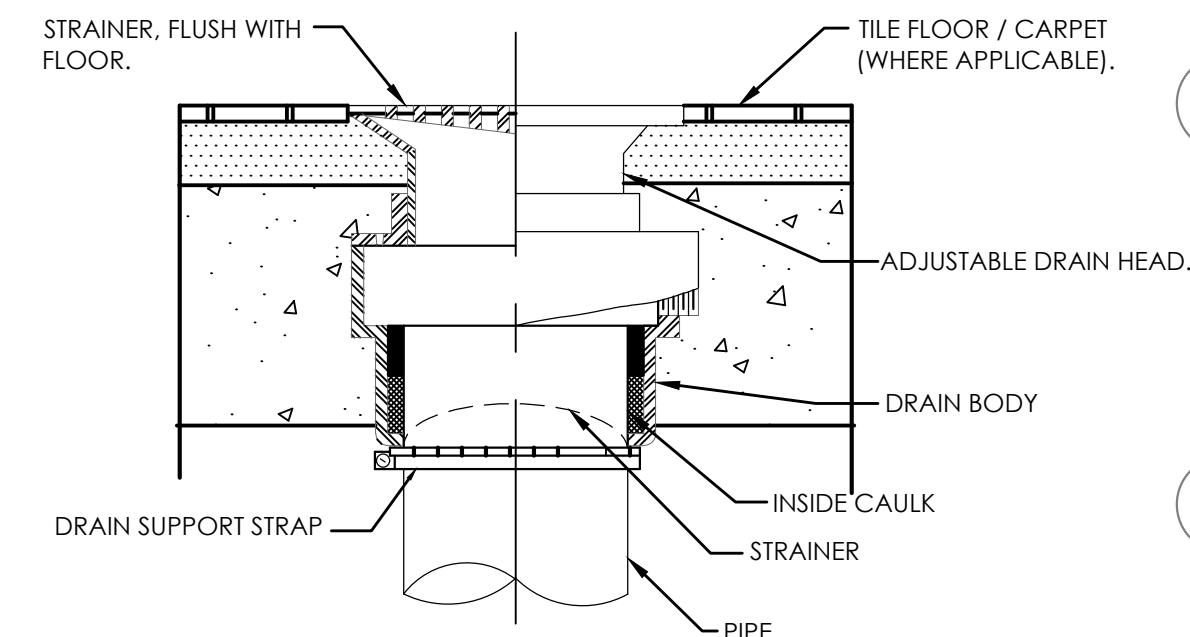
Heart House Renovation
FOR
McKinley Hall

1911 East Hight Street Springfield, Ohio 45505

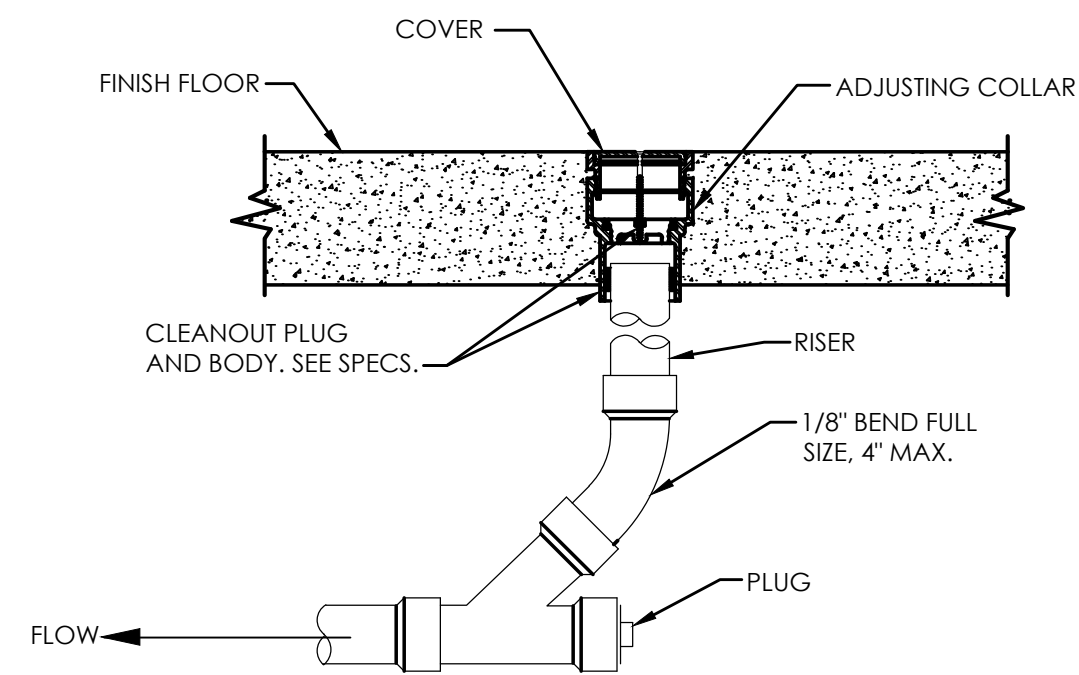
| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |



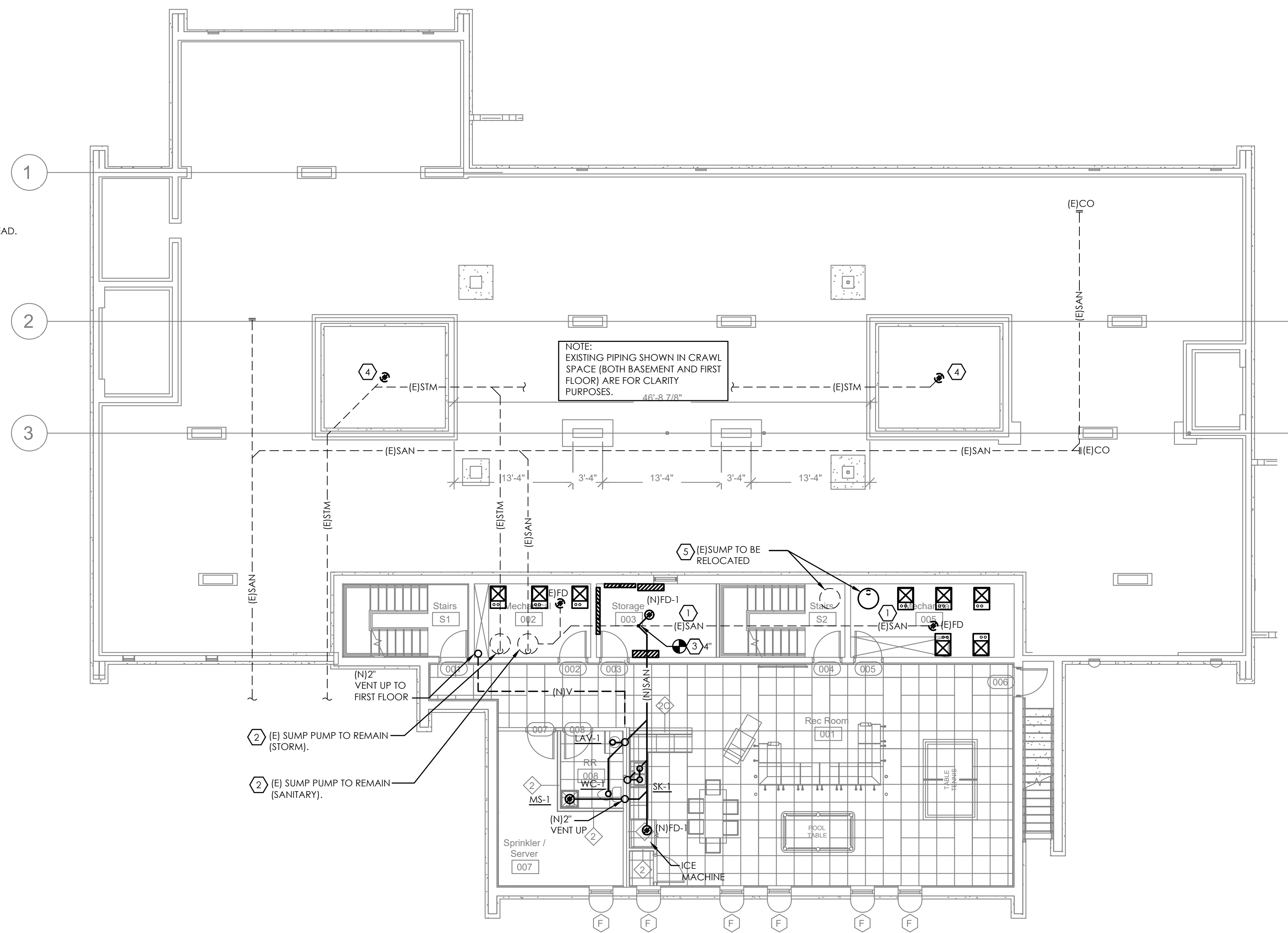
April 03, 2024
OVERALL BASEMENT & CRAWLSPACE - FIRE PROTECTION PLAN



A FLOOR DRAIN DETAIL
SCALE: N.T.S.



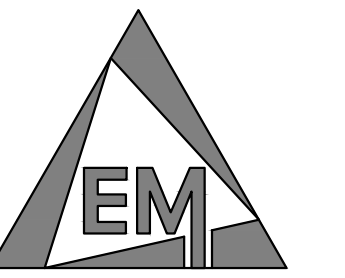
B FLOOR CLEANOUT DETAIL
SCALE: N.T.S.



OVERALL BASEMENT & CRAWLSPACE - PLUMBING SANITARY FLOOR PLAN
SCALE: 1/8" = 1'-0"

PLUMBING CODED NOTES

1. PIPING BELOW BASEMENT FLOOR SLAB, PLUMBING CONTRACTOR TO FIELD VERIFY EXACT LOCATION, SIZE AND INVERTS PRIOR TO STARTING ANY NEW WORK (FOR NEW TIE-IN LOCATIONS).
2. EXISTING SUMP PUMP(S) & ALL ASSOCIATED PIPING TO REMAIN. PLUMBING CONTRACTOR TO FIELD VERIFY CONDITION OF EXISTING EQUIPMENT AND PIPING PRIOR TO STARTING ANY NEW WORK. CONTRACTOR TO REPAIR AND/OR REPLACE ANY COMPONENTS NEEDED TO MAINTAIN PROPER OPERATION.
3. NEW SANITARY CONNECTION TO EXISTING SANITARY BELOW FLOOR SLAB IN CRAWL SPACE. PLUMBING CONTRACTOR TO FIELD VERIFY EXACT LOCATION, SIZE AND INVERTS OF EXISTING PRIOR TO STARTING ANY NEW WORK.
4. EXISTING AREA DRAIN(S) TO BE REMOVED. CONTRACTOR SHALL CAP AND ABANDONED AND/OR REMOVE ALL PIPING AND MATERIALS NOT BEING REUSED FOR NEW SYSTEM(S).
5. EXISTING SUMP PUMP TO BE RELOCATED. PLUMBING CONTRACTOR SHALL RECONNECT ALL PUMP(S), CONTROLS AND ASSOCIATED PIPING TO EXISTING SYSTEM(S) THATS BEING SERVE BY EXISTING SUMP PUMP. PLUMBING CONTRACTOR SHALL FIELD CONDITION OF EXISTING EQUIPMENT AND PIPING PRIOR TO STARTING ANY NEW WORK. CONTRACTOR TO REPAIR AND/OR REPLACE ANY COMPONENTS NEEDED TO MAINTAIN PROPER OPERATION.



ENGINEERINGGROUP, LTD.
625 EAST NORTH BROADWAY STREET
COLUMBUS, OHIO 43214
614-225-1580
EMENGINEERINGGROUP.COM

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: TAR

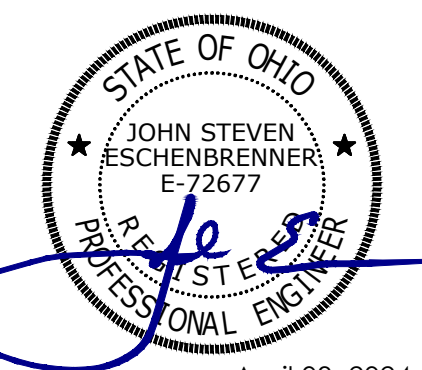
McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation

FOR
McKinley Hall

1911 East High Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |



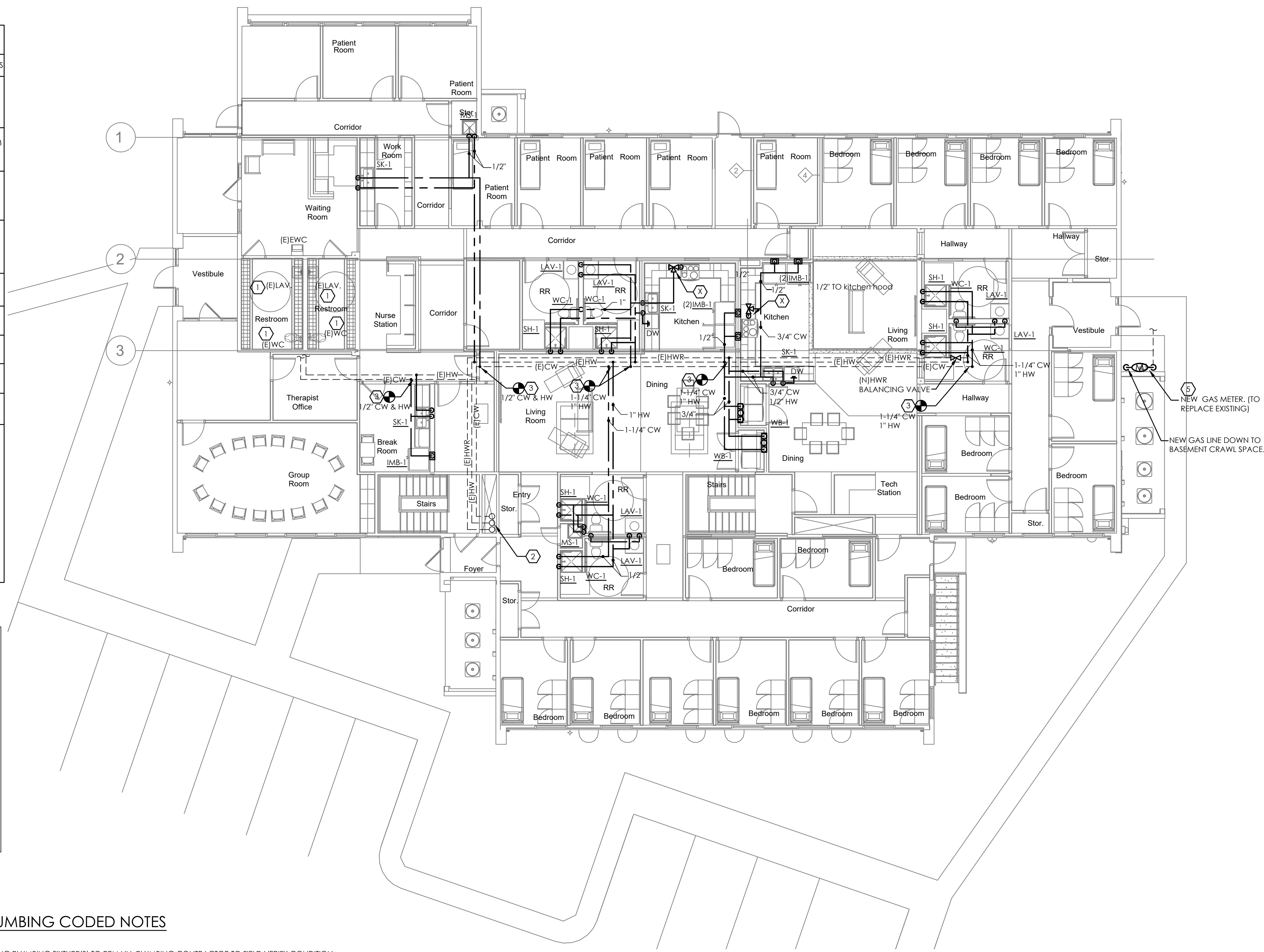
April 03, 2024

OVERALL BASEMENT & CRAWLSPACE - PLUMBING SANITARY FLOOR PLAN

P1.1

| PLUMBING FIXTURE SCHEDULE | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------|------|----------|--------|---------|
| MARK | DESCRIPTION | MANUFACTURER AND MODEL NUMBER | | HW | CW | SAN | VENT | NOTES |
| | | FIXTURE | ACCESSORIES | | | | | |
| WC-1 | WATER CLOSET (ADA) | FLOOR MOUNTED ELONGATED SIPHON JET BOWL, VITREOUS CHINA, AMERICAN STANDARD, "FLOWISE" MODEL #2857.128, 1.28 GPF | PROVIDE WITH BEMIS SEAT MODEL#1455CT, OPEN FRONT SEAT, LESS COVER, SLOAN ROYAL MODEL #1111 MANUAL FLUSHOMETER FLUSH VALVE, 1.28 GPF | --- | 1" | 3" | 1-1/2" | 2 |
| LAV-1 | COUNTERTOP LAVATORY (ADA) | AMERICAN STANDARD MODEL #0439.008, VITREOUS CHINA, W/4" CENTERS | AMERICAN STANDARD "COLONY" MODEL #7500.170 4" CENTERS, LEVER HANDLES, W/ GOOSENECK SPOUT, PROVIDE WITH 0.5 GPM AERATOR AND GRID DRAIN. | 1/2" | 1/2" | 1-1/2" | 1-1/2" | 1, 2, 3 |
| SK-1 | DOUBLE BOWL, STAINLESS STEEL SINK | ELKAY "DAYTON" MODEL #D22519, DROP-IN, 18GA, STAINLESS STEEL | ELKAY MODEL #LK800GN0474, 8" CENTERS, GOOSENECK SPOUT, WRISTBLADE HANDLES, CHROME FINISH, PROVIDE WITH 1.5 GPM AERATOR AND GRID DRAIN. | 1/2" | 1/2" | 1-1/2" | 1-1/2" | 4 |
| SH-1 | SHOWER (ADA) 36" X 36" | FREEDOM SHOWERS MODEL #APFQ3682BF75L | PROVIDE WITH FAUCET CLEVELAND MODEL #40311C AND IN-WALL CYCLING VALVE #45311 PROVIDE 2.5 GPM AERATOR IN SHOWERHEAD. | 1/2" | 1/2" | 2" | 1-1/2" | 2 |
| IMB-1 | (REFRIGERATOR) ICE MAKER BOX | GUY GRAY MODEL #AB9202 | | - | 1/2" | - | - | 5 |
| FD-1 | FLOOR DRAIN | SIOUX CHIEF MODEL 866-34F | | --- | --- | SEE PLAN | --- | 6, 7 |
| WB-1 | WASHER BOX | GUY GRAY MODEL #B-150 | | 1/2" | 1/2" | 2" | 1-1/2" | 5 |
| MS-1 | MOP SINK | FIAT MODEL #MSB-2424 | MOLDED STONE MOP BASIN PROVIDE WITH SERVICE FAUCET MODEL 830-AA, WITH MOP HANGER ASSEMBLY. | 1/2" | 1/2" | 3" | 1-1/2" | 8 |
| NOTES: 1. PROVIDE: MCGUIRE 2" STRAINER, 1-1/4" CHROME P-TRAP & CHROME SUPPLY STOPS, TRUEBRO LAV-GUARD 2 ADA INS.KIT 2. COLOR AS SELECTED BY OWNER / ARCHITECT. 3. PROVIDE WITH 0.5 GPM LAMINAR FLOW OUTLET. 4. PROVIDE WITH MCGUIRE 3" STRAINER, 1 1/2" CHROME P-TRAP, CHROME SUPPLY STOPS. 5. PLUMBING CONTRACTOR TO VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS. 6. COVER TO BE FLUSH WITH FLOOR OR FINISHED GRADE. 7. PROVIDED WITH TRAP SEAL, EQUAL TO SURESEAL. 8. FAUCET TO BE PROVIDED WITH INTEGRAL VACUUM BREAKER. ALL EQUIPMENT PROVIDED BY PLUMBING CONTRACTOR UNLESS OTHERWISE NOTED. | | | | | | | | |

| WATER HEATER SCHEDULE | | | |
|-----------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------|-------|
| MARK | DESCRIPTION | MANUFACTURER/ MODEL | NOTES |
| WH-1 | GAS FIRED WATER HEATER, 248 GPH 1st. HOUR DELIVERY RATING, 178 GPH RECOVERY @ 100°F, 150 MBH, 100 GALLON STORAGE | A.O. SMITH 8TH-150 | |
| RCP-1 | RECIRCULATING PUMP | BELL & GOSSETT MODEL #NBF.12FLW | |
| ET-1 | IN-LINE EXPANSION TANK | AMTROL MODEL ST-12 | |



⊕ PLUMBING CODED NOTES

- EXISTING PLUMBING FIXTURE(S) TO REMAIN. PLUMBING CONTRACTOR TO FIELD VERIFY CONDITION OF FIXTURE(S) PRIOR TO STARTING ANY NEW WORK. CONTRACTOR TO REPAIR AND/OR REPLACE ANY COMPONENTS NEEDED TO MAINTAIN PROPER OPERATION.
- EXISTING 2" CW, 1-1/2" HW AND 3/4" HW/R PIPING UP FROM BELOW, (TO REMAIN), RISE UP TO FIRST FLOOR CEILING SPACE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION AND SIZE(S) OF EXISTING PRIOR TO STARTING ANY NEW WORK. CONTRACTOR TO REPAIR AND/OR REPLACE ANY COMPONENTS NEEDED TO MAINTAIN PROPER OPERATION.
- PLUMBING CONTRACTOR TO CONNECT NEW COLD WATER AND HOT WATER LINES TO EXISTING ABOVE CEILING IN THIS AREA. (PROVIDE SHUT-OFF VALVES AT CONNECTIONS). CONTRACTOR TO FIELD VERIFY EXACT LOCATION AND SIZE OF EXISTING PRIOR TO STARTING ANY NEW WORK.
- PROVIDE WATTS MODEL #SD-3 BACKFLOW PREVENTER, STOP VALVE AND UNION AT WATER CONNECTION TO KITCHEN HOOD. COORDINATE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS.
- NEW GAS METER AND REGULATOR SETTING, PER LOCAL GAS COMPANY REQUIREMENTS (950 MBH TOTAL). REFER TO GAS METER RISER DETAIL 'B' SHEET P2.1

LEVEL 1 OVERALL - PLUMBING WATER & GAS PLAN
SCALE: 1/8" = 1'-0"



It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: TAR

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |

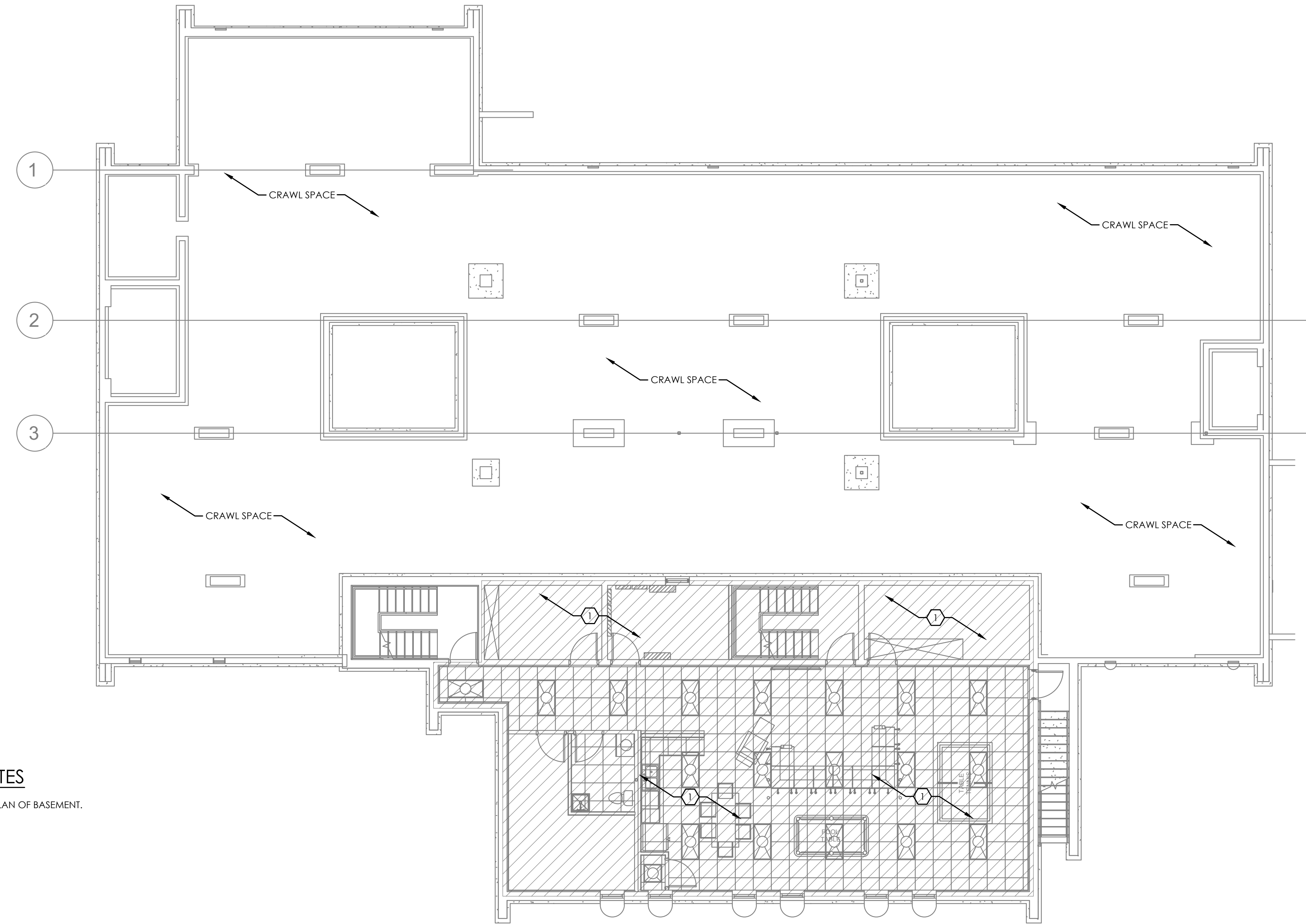


April 03, 2024
LEVEL 1 OVERALL - PLUMBING WATER & GAS PLAN

P2.0

HVAC GENERAL NOTES

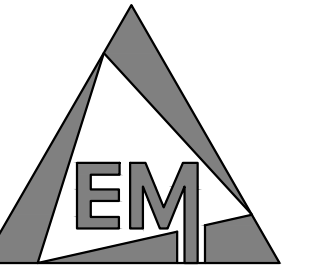
- A. HVAC CONTRACTOR TO PROVIDE 1 YR PARTS AND LABOR WARRANTY ON ALL WORK, PROVIDE 5 YEAR COMPRESSOR WARRANTY AND 10 YEAR HEAT EXCHANGER WARRANTY ON ALL HVAC EQUIPMENT.
- B. HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH ALL TRADES, LANDLORD REQUIREMENTS, CEILING HEIGHTS AND EXISTING STRUCTURAL CONDITIONS PRIOR TO FABRICATION OF ANY DUCTWORK OR ORDERING OF ANY EQUIPMENT.
- C. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
- D. FURNISH ALL LABOR, MATERIALS, TOOLS, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE HEATING, VENTILATING, AIR CONDITIONING SYSTEM, INCLUDE ANY LABOR AND MATERIAL NOT SPECIFICALLY MENTIONED, BUT NECESSARY TO PROVIDE A COMPLETE AND OPERATING SYSTEM. ALL WORK SHALL BE INSTALLED IN A PROFESSIONAL MANNER AND SHALL MEET ALL THE REQUIREMENTS OF THE STATE BUILDING CODE, CITY BUILDING CODE, SAFETY AND HEALTH CODES, NFPA CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. ALL COSTS FOR SAID REQUIREMENTS SHALL BE INCLUDED IN THIS CONTRACTORS BID PRICE.
- E. HVAC CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS AND PERFORM ALL TESTS CALLED FOR OR REQUIRED AS A PART OF HIS WORK. FURNISHED APPROVED CERTIFICATE OF FINAL INSPECTION, AND TURN OVER TO OWNER AT COMPLETION OF PROJECT.
- F. HVAC PLANS ARE DIAGRAMMATIC, NOT SHOWING EVERY ITEM IN EXACT LOCATION OR DETAIL. MEASUREMENTS AND LOCATIONS MUST BE FIELD VERIFIED AND COORDINATED WITH ARCHITECTURAL, HVAC, FIRE PROTECTION, STRUCTURAL, ELECTRICAL AND OTHER BUILDING DRAWINGS.
- G. HVAC CONTRACTOR TO PROVIDE TENANT WITH AS-BUILT DRAWINGS, ALL EQUIPMENT SHOP DRAWINGS, INFORMATION ON THERMOSTATS, CONTROL WIRING DIAGRAMS AND OTHER PERTINENT INFORMATION AT COMPLETION OF PROJECT.
- H. PROVIDE AN INDEPENDENT AABC OR NEBB CERTIFIED AIR BALANCE ON ALL HVAC EQUIPMENT FOR MINIMUM AND ECONOMIZER OA OPERATION, AND FANS.
- I. NEW DUCTS USED TO CONVEY THE CONDITIONED AIR SUPPLY AND VENTILATION AIR ARE TO BE MADE OF CONTINUOUS SHEET METAL.
- J. DUCT LININGS (THERMAL AND ACOUSTICAL), VIBRATION ISOLATION CONNECTORS, FLEXIBLE DUCT CONNECTORS, AND DUCT TYPE TO BE APPROVED BY LOCAL CODE.
- K. ALL RECTANGULAR RETURN AIR, AND SUPPLY AIR DUCTWORK SHALL BE INTERNALLY INSULATED WITH 1" THICK, FIBERGLASS INSULATION FOR SOUND ATTENUATION. SPIRAL ROUND DUCTWORK SHALL BE INTERNALLY INSULATED BY 1" THICK DUCT INSERTS EQUAL TO TOUGHGUARD ULTRA ROUND" BY CERTAINTEED. ALL OUTSIDE AND MAKE-UP AIR DUCTWORK TO BE INSULATED WITH 1-1/2" FOIL FACED DUCT WRAP, STAPLED AND TAPED AT ALL SEAMS. FLAME SPREAD INDEX 25 OR LESS, SMOKE DEVELOPED INDEX 50 OR LESS. ALL DUCT DIMENSIONS NOTED ON PLANS ARE INTERNAL CLEAR DIMENSIONS, IN GENERAL, INSTALL DUCTWORK TIGHT TO UNDERSIDE OF STRUCTURE UNLESS OTHERWISE NOTED OR REQUIRED BY FIELD CONDITIONS. COORDINATE EXACT MOUNTING HEIGHT IN FIELD WITH GENERAL CONTRACTOR.
- L. ALL DUCTWORK SHALL BE SHEET METAL FABRICATED IN ACCORDANCE WITH ASHRAE GUIDELINES AND SMACNA MANUAL LATEST EDITIONS.
- M. ALL BRANCH TAKE-OFFS SHALL BE PROVIDED WITH MANUAL BALANCING DAMPERS.
- N. 1" INSULATED FLEXIBLE DUCTS SHALL BE MAXIMUM 5'-0" LONG AND SHALL MEET INSTALLATION AND MATERIAL REQUIREMENTS OF LOCAL CODES. INSULATED DUCT TO BE 1" THICK 1-1/2 LBS DENSITY W/ FOIL FACE TO EQUAL MINIMUM OF R-4.2 OR GREATER AS REQUIRED BY LOCAL CODES AND AUTHORITIES.
- O. THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE TEMPERATURE CONTROL SYSTEM TO INCLUDE SEVEN DAY PROGRAMMABLE THERMOSTAT COMPATIBLE WITH UNIT.
- P. ALL TEMPERATURE CONTROLS, FIRE ALARM COMPONENTS, EQUIPMENT NAMEPLATES, LABELS, OR COLOR CODED COMPONENTS SHALL BE MASKED DURING PAINTING TO PREVENT DAMAGE FROM OVER-SPRAY OR OBSCURING INFORMATION.
- Q. ALL LOW VOLTAGE WIRING AND CONDUIT REQUIRED FOR HVAC EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY HVAC CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ELECTRICAL CONTRACTOR ALL WIRING AND CONDUIT REQUIRED FOR EQUIPMENT OPERATION AND CONTROL.
- R. PROVIDE OPERATIONAL MANUALS, INSTRUCT OWNER ON EQUIPMENT USE, AND TEST ALL UNITS AND CONTROLS FOR PROPER SEQUENCING.
- S. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE HVAC EQUIPMENT COMPONENTS ARE INSTALLED AT LOCATIONS AND ELEVATIONS WHICH MAKE THEM READILY ACCESSIBLE FOR ROUTINE MAINTENANCE WITHOUT REQUIRING ANY EXTRAORDINARY MEASURES.
- T. ALL ROOF WORK TO BE PERFORMED BY APPROVED ROOFING CONTRACTOR @ HVAC CONTRACTOR'S EXPENSE. SEAL ALL ROOF PENETRATIONS WEATHER TIGHT.
- U. MAINTAIN 10' MINIMUM SEPARATION BETWEEN ALL OA OPENINGS AND EXHAUST OR VENT OPENINGS.
- V. MANUFACTURERS LISTED ON THE DRAWINGS WERE USED AS THE BASIS OF DESIGN. THE CONTRACTOR MAY PROVIDE AN APPROVED EQUAL MANUFACTURED PRODUCT. THE CONTRACTOR IS ENTIRELY RESPONSIBLE FOR ANY AND ALL COSTS REQUIRED TO ALTER THE SYSTEM DESIGN, WHETHER IDENTIFIED OR NOT IDENTIFIED BY THE ENGINEER OR ARCHITECT, SHOULD AN APPROVED EQUAL MANUFACTURER BE SUPPLIED.
- W. ALL TYPE I HOOD EXHAUST DUCTWORK TO BE 16 GA WELDED BLACK IRON. PROVIDE 2 LAYERS OF 3M FIRE MASTER DUCT WRAP TO FORM ZERO INCH TO COMBUSTIBLE, 2 HR ASSEMBLY OVER DUCT WHERE ADEQUATE CLEARANCE TO COMBUSTIBLES CANNOT BE OBTAINED.
- X. THE HVAC CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL HANGERS, SUPPORTS & ACCESSORIES AS REQUIRED BY ALL CODES.



OVERALL BASEMENT & CRAWLSPACE - HVAC PLAN
SCALE: 1/8" = 1'-0"

HVAC CODED NOTES

- 1. REFER TO SHEET H2.0 FOR ENLARGE PLAN OF BASEMENT.



ENGINEERINGGROUP, LTD.
625 EAST NORTH BROADWAY STREET
COLUMBUS, OHIO 43214
614-225-1580
EMENGINEERINGGROUP.COM

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: DMC

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation

FOR

McKinley Hall

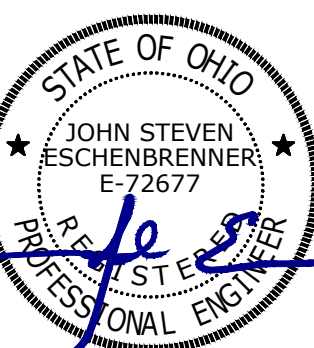
1911 East Hight Street Springfield, Ohio 45505

DATE

April 03, 2024

REV# DATE DESCRIPTION

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |



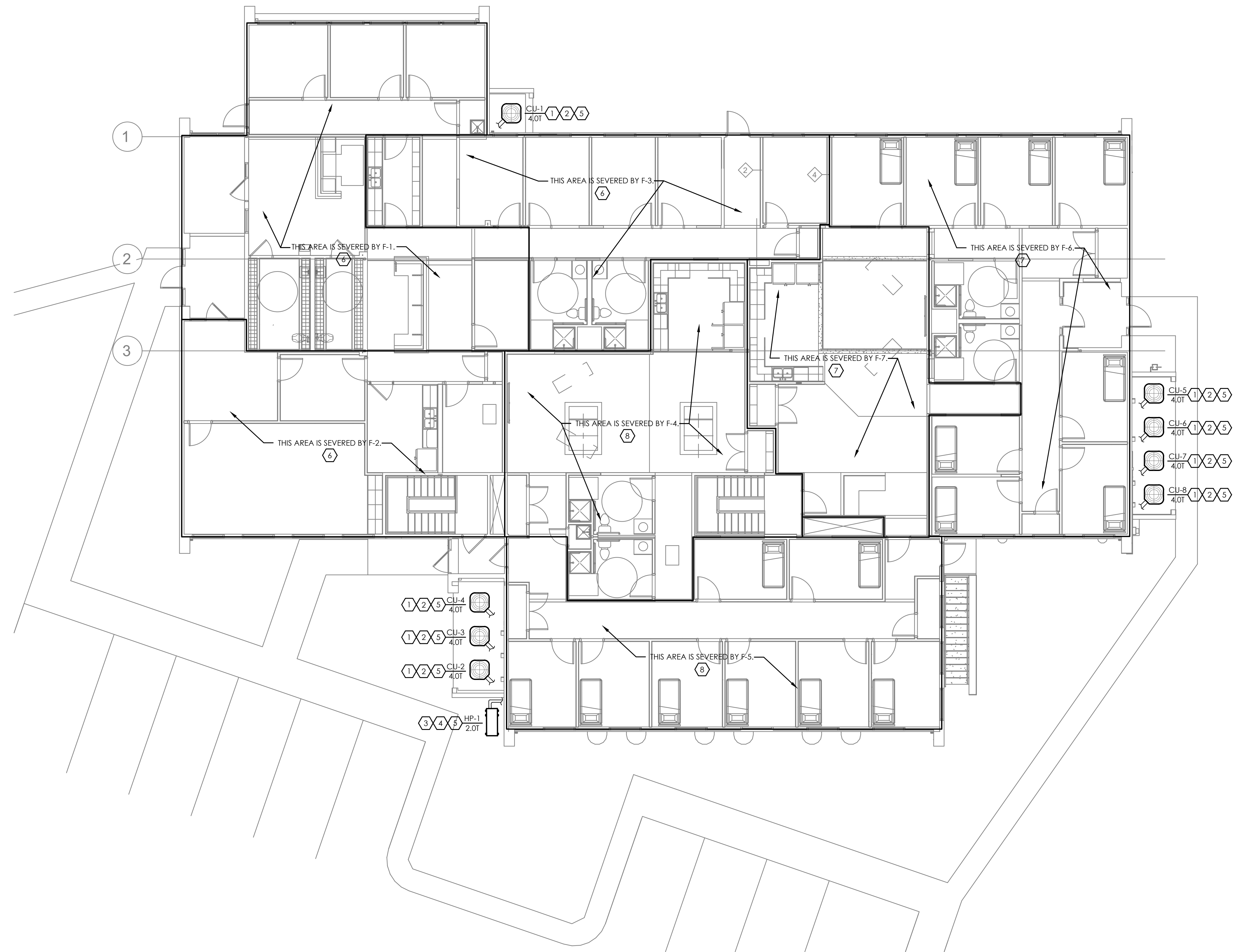
April 03, 2024

OVERALL BASEMENT & CRAWLSPACE - HVAC PLAN

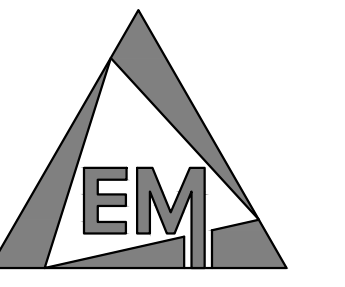
H1.0

HVAC CODED NOTES

1. MOUNT CONDENSING UNIT ON EXISTING CONCRETE PAD. FIELD VERIFY LOCATION AND ALL REQUIREMENTS.
2. ROUTE REFRIGERANT LINES THROUGH JOISTS TO ASSOCIATED COOLING COIL. INSULATE ALL REFRIGERANT LINES PER MANUFACTURER'S INSTALLATION GUIDELINES. SEAL ALL WALL AND CEILING PENETRATIONS WATER TIGHT. FIELD VERIFY ROUTING AND ALL REQUIREMENTS. REFER TO SHEET H2.0 FOR FURNACE A/C COIL UNIT LOCATION.
3. MOUNT DUCTLESS SPLIT CONDENSING UNIT ON CONDENSER PAD. FIELD VERIFY LOCATION AND ALL REQUIREMENTS.
4. ROUTE REFRIGERANT LINES FOR DUCTLESS MINI SPLIT THROUGH JOISTS TO WALL MOUNTED UNIT. INSULATE ALL REFRIGERANT LINES PER MANUFACTURER'S INSTALLATION GUIDELINES. SEAL ALL WALL AND CEILING PENETRATIONS WATER TIGHT. FIELD VERIFY ROUTING AND ALL REQUIREMENTS.
5. CONTRACTOR SHALL REUSE OR PROVIDE NEW ANTI-THEFT LOCKING PROTECTION CONDENSER CAGE. CONTRACTOR SHALL FIELD VERIFY IF EXISTING CAGE CAN BE REUSED. IF EXISTING CAGE CAN NOT BE REUSED, CONTRACTOR SHALL PROVIDE NEW CAGE OF SAME MODEL OR TYPE. INSTALL CAGE PER MANUFACTURER'S INSTALLATION GUIDELINES. FIELD VERIFY ALL REQUIREMENTS.
6. REFER TO ENLARGED PLAN ON SHEET H2.1
7. REFER TO ENLARGED PLAN ON SHEET H2.2
8. REFER TO ENLARGED PLAN ON SHEET H2.3



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



ENGINEERING GROUP, LTD.
625 EAST NORTH BROADWAY STREET
COLUMBUS, OHIO 43214
614-225-1580
EMENGINEERINGGROUP.COM

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: DMC

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation

FOR

McKinley Hall

1911 East Hight Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |



April 03, 2024

OVERALL FIRST FLOOR - HVAC PLAN

H1.1

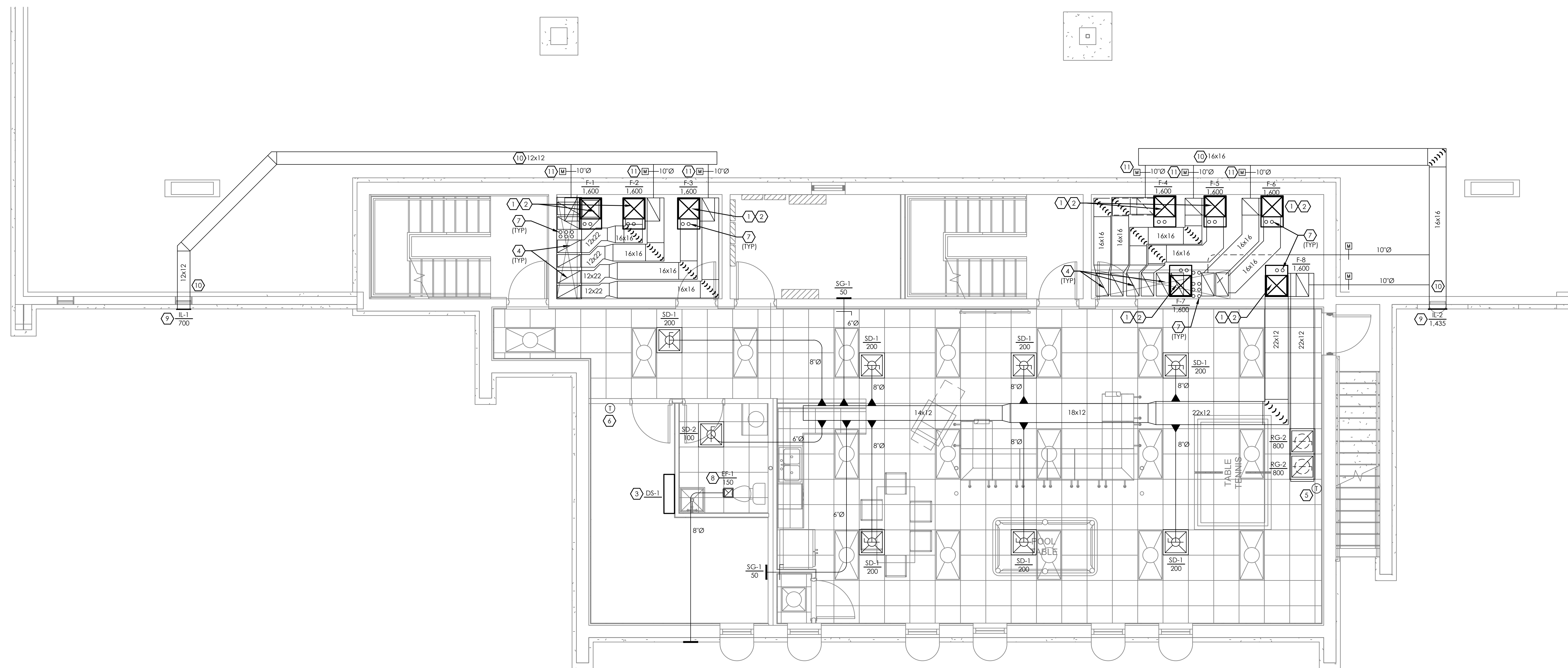
It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: DMC

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East Hight Street Springfield, Ohio 45505



ENLARGED BASEMENT - HVAC PLAN
SCALE: 1/4" = 1'-0"

HVAC CODED NOTES

- UPFLOW FURNACE WITH A/C COIL PROVIDED BY HVAC CONTRACTOR. INSTALL FURNACE IN MECH. ROOM. INSTALL PER MANUFACTURERS GUIDELINES. REFER TO SHEET H2.0 FOR EQUIPMENT SCHEDULE. FIELD VERIFY LOCATION AND ALL REQUIREMENTS.
- ROUTE REFRIGERANT LINES THROUGH JOISTS TO ASSOCIATED CONDENSING UNIT. INSULATE ALL REFRIGERANT LINES PER MANUFACTURER'S INSTALLATION GUIDELINES. SEAL ALL WALL AND CEILING PENETRATIONS WATER TIGHT. FIELD VERIFY ROUTING AND ALL REQUIREMENTS. REFER TO SHEET H1.1 FOR CONDENSING UNIT LOCATION.
- DUCTLESS WALL MOUNTED UNIT. INSTALL PER MANUFACTURERS GUIDELINES. CONTRACTOR SHALL RUN CONDENSATE TO MOP SINK. FIELD VERIFY ALL REQUIREMENTS.
- DUCTWORK FROM FURNACE OVER TO SHAFT AND UP TO FIRST FLOOR. CONTRACTOR SHALL FIELD VERIFY ROUTING AND ALL REQUIREMENTS.
- PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT COMPATIBLE WITH WITH UNIT. INSTALL T-STAT AT 48" AFF. CONTRACTOR SHALL PROVIDE A TAMPER PROOF COVER FOR T-STAT IF REQUIRED BY OWNER. FIELD VERIFY LOCATION WITH G.C. AND OWNER.
- PROVIDE WIRED THERMOSTAT COMPATIBLE WITH WITH MINI-SPLIT UNIT. INSTALL T-STAT AT 48" AFF. CONTRACTOR SHALL PROVIDE A TAMPER PROOF COVER FOR T-STAT IF REQUIRED BY OWNER. FIELD VERIFY LOCATION WITH G.C. AND OWNER.
- HVAC CONTRACTOR SHALL EXTEND COMBUSTION AND INTAKE PIPING FROM FURNACE TO SHAFT AND UP SHAFT TO ROOF ABOVE. PROVIDE A CONCENTRIC VENT KIT AT ROOF. FIELD VERIFY ROUTING AND ALL REQUIREMENTS WITH G.C. PRIOR TO INSTALLATION. ALL PIPING MUST BE PROPERLY SIZED AND ROUTED PER MFG. INSTALLATION GUIDELINES.
- CEILING MOUNTED TOILET EXHAUST FAN, PROVIDED AND INSTALLED BY HVAC CONTRACTOR. RUN TOILET EXHAUST DUCT OVER TO WALL AND TERMINATE WITH WALL CAP. FLASH AND SEAL WATER TIGHT. PROVIDE BACKDRAFT DAMPER. FIELD VERIFY ROUTING AND ALL REQUIREMENTS.
- CONTRACTOR SHALL FURNISH AND INSTALL A WALL MOUNTED INTAKE LOUVER. UNIT SHALL HAVE A CAPACITY OF 700 CFM @ MAXIMUM 0.1" PRESSURE DROP. UNIT SHALL BE COMPLETE WITH A INTEGRAL METAL BIRD SCREEN AND MOUNTING FRAME. MOUNTING FRAME AND LOUVER SHALL BE MOUNTED BY THIS CONTRACTOR. THE CONTRACTOR IS TO INSTALL A PLENUM ON THE BACK OF THE LOUVER. BOTTOM OF THE PLENUM IS TO SLOPE TOWARDS THE LOUVER. THE PLENUM IS TO BE WRAPPED WITH INSULATION. THE SYSTEM DUCTWORK IS TO CONNECT INTO THE PLENUM.
- OUTSIDE AIR DUCTWORK FROM LOUVER TO MECH. ROOM. INSTALL DUCTWORK IN CRAWL SPACE. FIELD VERIFY ROUTING AND ALL REQUIREMENTS.
- OUTSIDE AIR DUCTWORK TO HVAC UNIT RETURN. PROVIDE MOTOR OPERATED DAMPER. DAMPER SHALL BE NORMALLY CLOSED. DAMPER SHALL OPEN ON FURNACE START-UP. FIELD VERIFY ALL REQUIREMENTS.

HVAC LEGEND

| SD-2 400 | TYPE CFM | DIFFUSER DESIGNATION | DUCT SMOKE DETECTOR |
|-------------|-------------|------------------------------|-----------------------------------------|
| ☐ | | EXHAUST FAN | DUCT TRANSITION/ BRANCH DUCT TAKEOFF |
| ⊗ | | S.A. DIFFUSER | TURNING VANE |
| ⊠ | | R.A. DIFFUSER | THERMOSTAT X-UNIT # |
| — | | MANUAL DAMPER | REMOTE A/V WITH KEY TEST SWITCH |
| OA/SA/RA | | OUTSIDE/SUPPLY/RETURN AIR | EXISTING/RELOCATED/ NEW |
| ⊕ | | CONNECT TO EXISTING | ROOF MOUNTED EQUIPMENT |
| ↗ | | CEILING RADIATION DAMPER | |

| DATE | REV# | DATE | DESCRIPTION |
|----------------|------|------|-------------|
| April 03, 2024 | | | |
| | | | |
| | | | |
| | | | |



ENLARGED BASEMENT - HVAC PLAN

H2.0

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

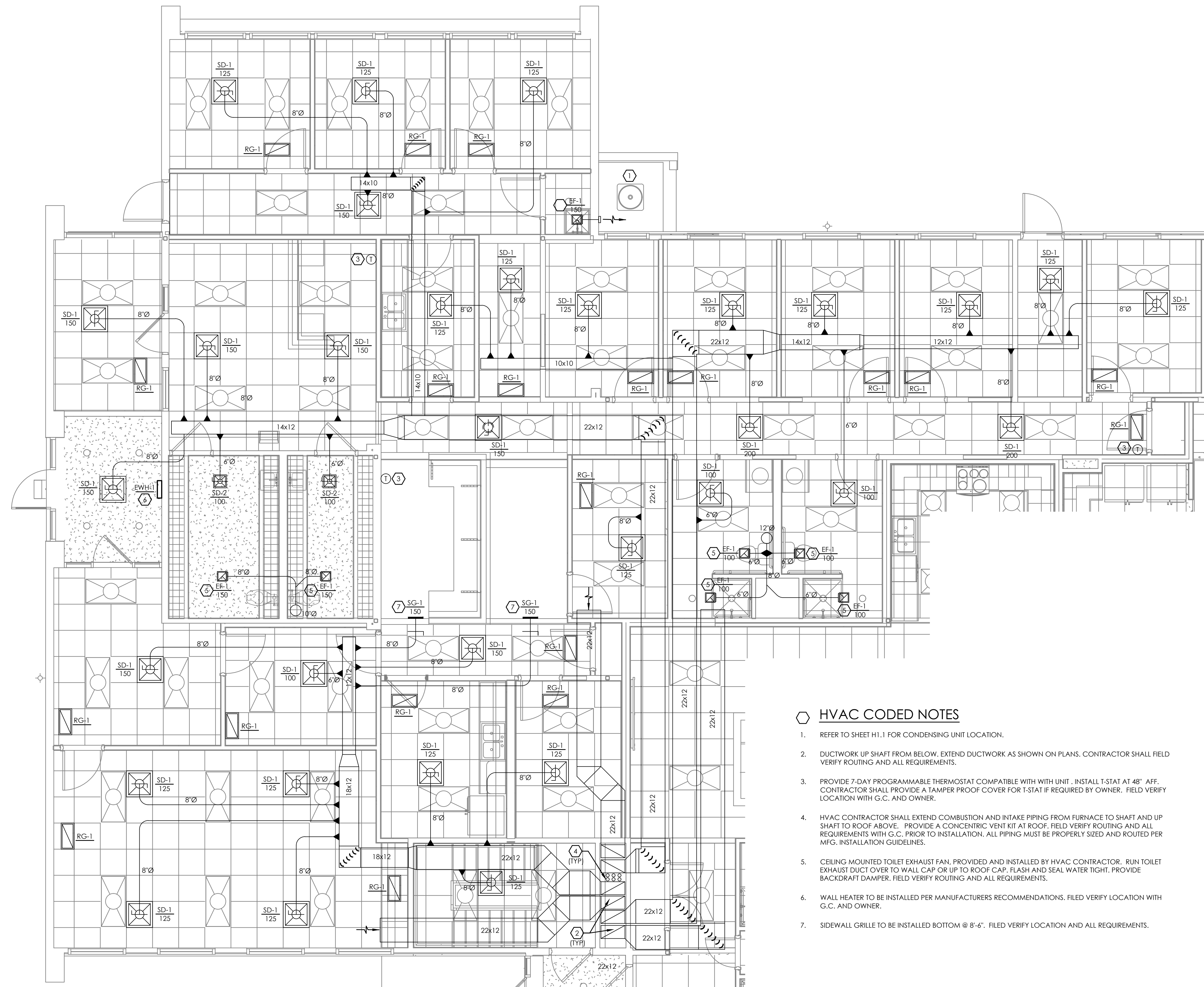
PROJECT NUMBER: 230149
DESIGN BY: DMC

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation

FOR
McKinley Hall

1911 East High Street Springfield, Ohio 45505



THE SPACE IN BETWEEN THE BOTTOM OF THE SHEET ROCK CEILING AND THE TOP OF THE LAY-IN CEILING WILL BE USED AS A RETURN AIR PLENUM. ALL ITEMS SHALL BE PLENUM RATED. FIELD VERIFY ALL REQUIREMENTS.

- ### HVAC CODED NOTES
- REFER TO SHEET H1.1 FOR CONDENSING UNIT LOCATION.
 - DUCTWORK UP SHAFT FROM BELOW. EXTEND DUCTWORK AS SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY ROUTING AND ALL REQUIREMENTS.
 - PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT COMPATIBLE WITH WITH UNIT. INSTALL T-STAT AT 48" AFF. CONTRACTOR SHALL PROVIDE A TAMPER PROOF COVER FOR T-STAT IF REQUIRED BY OWNER. FIELD VERIFY LOCATION WITH G.C. AND OWNER.
 - HVAC CONTRACTOR SHALL EXTEND COMBUSTION AND INTAKE PIPING FROM FURNACE TO SHAFT AND UP SHAFT TO ROOF ABOVE. PROVIDE A CONCENTRIC VENT KIT AT ROOF. FIELD VERIFY ROUTING AND ALL REQUIREMENTS WITH G.C. PRIOR TO INSTALLATION. ALL PIPING MUST BE PROPERLY SIZED AND ROUTED PER MFG. INSTALLATION GUIDELINES.
 - CEILING MOUNTED TOILET EXHAUST FAN. PROVIDED AND INSTALLED BY HVAC CONTRACTOR. RUN TOILET EXHAUST DUCT OVER TO WALL CAP OR UP TO ROOF CAP. FLASH AND SEAL WATER TIGHT. PROVIDE BACKDRAFT DAMPER. FIELD VERIFY ROUTING AND ALL REQUIREMENTS.
 - WALL HEATER TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. FIELD VERIFY LOCATION WITH G.C. AND OWNER.
 - SIDEWALL GRILLE TO BE INSTALLED BOTTOM @ 8'-6". FIELD VERIFY LOCATION AND ALL REQUIREMENTS.

ENLARGED CLINIC - HVAC PLAN
SCALE: 1/4" = 1'-0"

| HVAC LEGEND | | | |
|-------------|------------------------------|---------------------|-----------------------------------------|
| SD-2 400 | TYPE CFM | DUCT SMOKE DETECTOR | |
| ☒ | EXHAUST FAN | ▲ | DUCT TRANSITION/ BRANCH DUCT TAKEOFF |
| ☒ | S.A. DIFFUSER | ⌊ | TURNING VANE |
| ☒ | R.A. DIFFUSER | ⊙ X | THERMOSTAT X-UNIT # |
| — | MANUAL DAMPER | ⌊ | REMOTE A/V WITH KEY TEST SWITCH |
| OA/SA/RA | OUTSIDE/SUPPLY/RETURN AIR | (E) / (R) / (N) | EXISTING/RELOCATED/ NEW |
| ⊕ | CONNECT TO EXISTING | ⊕ | ROOF MOUNTED EQUIPMENT |
| — | CEILING RADIATION DAMPER | | |

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |

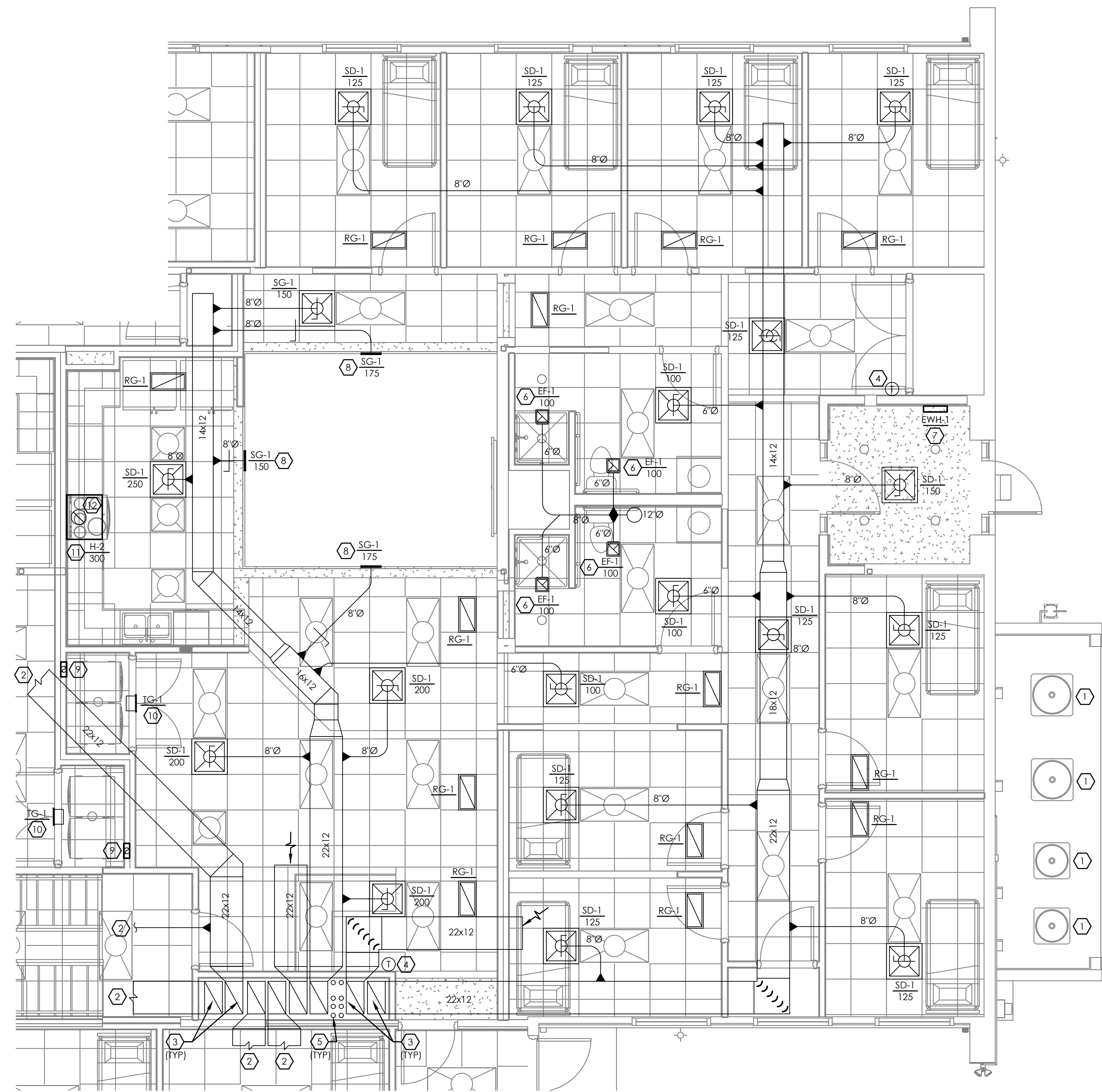
STATE OF OHIO
JOHN STEVEN
ESCHENBRENNER
E-72677
PROFESSIONAL ENGINEER
April 03, 2024

ENLARGED CLINIC - HVAC PLAN

HVAC CODED NOTES

- REFER TO SHEET H1.1 FOR CONDENSING UNIT LOCATION.
- REFER TO SHEET H2.3 FOR CONTINUATION OF DUCTWORK.
- DUCTWORK UP SHAFT FROM BELOW. EXTEND DUCTWORK AS SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY ROUTING AND ALL REQUIREMENTS.
- PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT COMPATIBLE WITH WITH UNIT . INSTALL T-STAT AT 48" AFF. CONTRACTOR SHALL PROVIDE A TAMPER PROOF COVER FOR T-STAT IF REQUIRED BY OWNER. FIELD VERIFY LOCATION WITH G.C. AND OWNER.
- HVAC CONTRACTOR SHALL EXTEND COMBUSTION AND INTAKE PIPING FROM FURNACE TO SHAFT AND UP SHAFT TO ROOF ABOVE. PROVIDE A CONCENTRIC VENT KIT AT ROOF. FIELD VERIFY ROUTING AND ALL REQUIREMENTS WITH G.C. PRIOR TO INSTALLATION. ALL PIPING MUST BE PROPERLY SIZED AND ROUTED PER MFG. INSTALLATION GUIDELINES.
- CEILING MOUNTED TOILET EXHAUST FAN, PROVIDED AND INSTALLED BY HVAC CONTRACTOR. RUN TOILET EXHAUST DUCT OVER TO WALL CAP OR UP TO ROOF CAP. FLASH AND SEAL WATER TIGHT. PROVIDE BACKDRAFT DAMPER. FIELD VERIFY ROUTING AND ALL REQUIREMENTS.
- WALL HEATER TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. FIELD VERIFY LOCATION WITH G.C. AND OWNER.
- SIDEWALL GRILLE TO BE INSTALLED BOTTOM @ 8'-6". FIELD VERIFY LOCATION AND ALL REQUIREMENTS.
- ROUTE DRYER EXHAUST DUCT UP WALL TO CEILING ABOVE. RUN DUCT TO ROOF WITH ROOF CAP. FLASH AND SEAL WATER TIGHT. DUCT TO BE 4"Ø, 26 GAUGE. PROVIDE TAG WITHIN 6' OF THE EXHAUST DUCT CONNECTION OF ACTUAL TOTAL EQUIVALENT LENGTH OF DUCT. FIELD VERIFY ALL REQUIREMENTS.
- TRANSFER GRILLE TO BE INSTALLED TOP OF GRILLE 6" BELOW LAY-IN CEILING. FIELD VERIFY LOCATION AND ALL REQUIREMENTS.
- RESIDENTIAL HOOD SYSTEM FOR KITCHEN. REFER TO HOOD DRAWING ON DRAWINGS H3.0 & H3.1.
- PROVIDE 10"Ø WELDED DUCTWORK FOR RESIDENTIAL HOOD SYSTEM FOR KITCHEN. RUN DUCTWORK TO ROOF AND PROVIDE WITH GOOSENECK AT ROOF. FIELD VERIFY ROUTING AND ALL REQUIREMENTS.

THE SPACE IN BETWEEN THE BOTTOM OF THE SHEET ROCK CEILING AND THE TOP OF THE LAY-IN CEILING WILL BE USED AS A RETURN AIR PLENUM. ALL ITEMS SHALL BE PLENUM RATED. FIELD VERIFY ALL REQUIREMENTS.



ENLARGED HOUSE 1 - HVAC PLAN
SCALE: 1/4" = 1'-0"

| HVAC LEGEND | | | |
|-------------|------------------------------|---------------------|-----------------------------------------|
| SD-2 400 | TYPE CFM | DUCT SMOKE DETECTOR | |
| ☐ | EXHAUST FAN | ▲ | DUCT TRANSITION/ BRANCH DUCT TAKEOFF |
| ☒ | S.A. DIFFUSER | ⌞ | TURNING VANE |
| ☑ | R.A. DIFFUSER | T | THERMOSTAT X-UNIT # |
| — | MANUAL DAMPER | ⌞ | REMOTE A/V WITH KEY TEST SWITCH |
| OA/SA/RA | OUTSIDE/SUPPLY/RETURN AIR | (E) / (R) / (N) | EXISTING/RELOCATED/ NEW |
| ⊕ | CONNECT TO EXISTING | ⊕ | ROOF MOUNTED EQUIPMENT |
| — | CEILING RADIATION DAMPER | | |

NOTE:
POST SIGNAGE WITHIN 6' (FT) OF DRYER DUCT WALL CONNECTION STATING THE TOTAL DEVELOPED DUCT LENGTH.

NOTE:
CONTRACTOR SHALL PROVIDE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE CLOTHES DRYER BEING INSTALLED FOR REVIEW AND APPROVAL BY THE BUILDING DEPT. CONTRACTOR SHALL MAKE SURE DRYER DUCT LENGTH IS WITH-IN MANUFACTURER'S GUIDELINES. FIELD VERIFY ALL REQUIREMENTS PRIOR TO INSTALLATION OF DRYER DUCT.

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

PROJECT NUMBER: 230149
DESIGN BY: DMC

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |

STATE OF OHIO
JOHN STEVEN
ESCHENBRENNER
E-72677
PROFESSIONAL ENGINEER
April 03, 2024

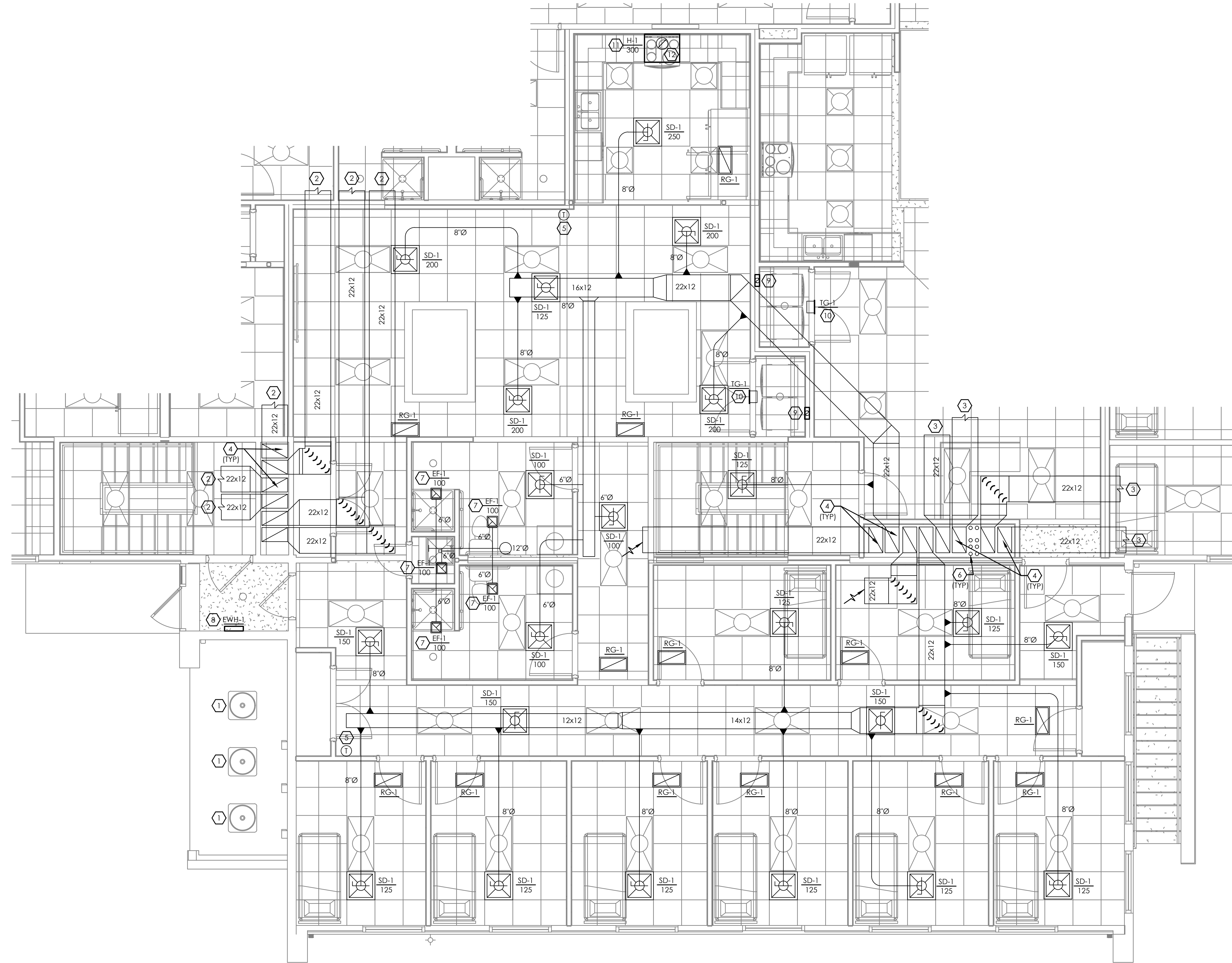
ENLARGED HOUSE 1 - HVAC PLAN

H2.2

HVAC CODED NOTES

- REFER TO SHEET H1.1 FOR CONDENSING UNIT LOCATION.
- REFER TO SHEET H2.1 FOR CONTINUATION OF DUCTWORK.
- REFER TO SHEET H2.2 FOR CONTINUATION OF DUCTWORK.
- DUCTWORK UP SHAFT FROM BELOW. EXTEND DUCTWORK AS SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY ROUTING AND ALL REQUIREMENTS.
- PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT COMPATIBLE WITH WITH UNIT . INSTALL T-STAT AT 48" AFF. CONTRACTOR SHALL PROVIDE A TAMPER PROOF COVER FOR T-STAT IF REQUIRED BY OWNER. FIELD VERIFY LOCATION WITH G.C. AND OWNER.
- HVAC CONTRACTOR SHALL EXTEND COMBUSTION AND INTAKE PIPING FROM FURNACE TO SHAFT AND UP SHAFT TO ROOF ABOVE. PROVIDE A CONCENTRIC VENT KIT AT ROOF. FIELD VERIFY ROUTINGS AND ALL REQUIREMENTS WITH G.C. PRIOR TO INSTALLATION. ALL PIPING MUST BE PROPERLY SIZED AND ROUTED PER MFG. INSTALLATION GUIDELINES.
- CEILING MOUNTED TOILET EXHAUST FAN, PROVIDED AND INSTALLED BY HVAC CONTRACTOR. RUN TOILET EXHAUST DUCT OVER TO WALL CAP OR UP TO ROOF CAP. FLASH AND SEAL WATER TIGHT. PROVIDE BACKDRAFT DAMPER. FIELD VERIFY ROUTING AND ALL REQUIREMENTS.
- WALL HEATER TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. FIELD VERIFY LOCATION WITH G.C. AND OWNER.
- ROUTE DRYER EXHAUST DUCT UP WALL TO CEILING ABOVE. RUN DUCT TO ROOF WITH ROOF CAP. FLASH AND SEAL WATER TIGHT. DUCT TO BE 4" Ø, 26 GAUGE. PROVIDE TAGS WITHIN 6' OF THE EXHAUST DUCT CONNECTION OF ACTUAL TOTAL EQUIVALENT LENGTH OF DUCT. FIELD VERIFY ALL REQUIREMENTS.
- TRANSFER GRILLE TO BE INSTALLED TOP OF GRILLE 6" BELOW LAY-IN CEILING. FIELD VERIFY LOCATION AND ALL REQUIREMENTS.
- RESIDENTIAL HOOD SYSTEM FOR KITCHEN. REFER TO HOOD DRAWING ON DRAWINGS H3.0 & H3.1.
- PROVIDE 10" Ø WELDED DUCTWORK FOR RESIDENTIAL HOOD SYSTEM FOR KITCHEN. RUN DUCTWORK TO ROOF AND PROVIDE WITH GOOSENECK AT ROOF. FIELD VERIFY ROUTING AND ALL REQUIREMENTS.

THE SPACE IN BETWEEN THE BOTTOM OF THE SHEET ROCK CEILING AND THE TOP OF THE LAY-IN CEILING WILL BE USED AS A RETURN AIR PLENUM. ALL ITEMS SHALL BE PLENUM RATED. FIELD VERIFY ALL REQUIREMENTS.



ENLARGED HOUSE 2 - HVAC PLAN
SCALE: 1/4" = 1'-0"

| HVAC LEGEND | | | |
|-------------|------------------------------|---------------------|-----------------------------------------|
| SD-2 400 | TYPE CFM | DUCT SMOKE DETECTOR | |
| ☐ | EXHAUST FAN | ▲ | DUCT TRANSITION/ BRANCH DUCT TAKEOFF |
| ☒ | S.A. DIFFUSER | ⌞ | TURNING VANE |
| ☑ | R.A. DIFFUSER | ⌞ X | THERMOSTAT X-UNIT # |
| — | MANUAL DAMPER | ⌞ | REMOTE A/V WITH KEY TEST SWITCH |
| OA/SA/RA | OUTSIDE/SUPPLY/RETURN AIR | (E) / (R) / (N) | EXISTING/RELOCATED/ NEW |
| ⊕ | CONNECT TO EXISTING | ⌞ | ROOF MOUNTED EQUIPMENT |
| — | CEILING RADIATION DAMPER | | |

NOTE:
POST SIGNAGE WITHIN 6' (FT) OF DRYER DUCT WALL CONNECTION STATING THE TOTAL DEVELOPED DUCT LENGTH.

NOTE:
CONTRACTOR SHALL PROVIDE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE CLOTHES DRYER BEING INSTALLED FOR REVIEW AND APPROVAL BY THE BUILDING DEPT. CONTRACTOR SHALL MAKE SURE DRYER DUCT LENGTH IS WITH-IN MANUFACTURER'S GUIDELINES. FIELD VERIFY ALL REQUIREMENTS PRIOR TO INSTALLATION OF DRYER DUCT.

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.
PROJECT NUMBER: 230149
DESIGN BY: DC

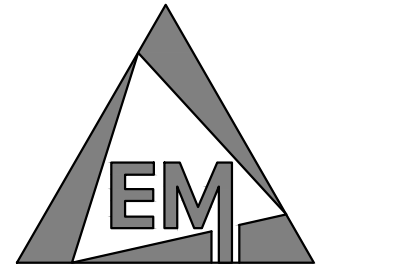
McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

DATE: April 03, 2024
STATE OF OHIO
JOHN STEVEN ESCHENBRENNER
E-72677
REGISTERED PROFESSIONAL ENGINEER
April 03, 2024

ENLARGED HOUSE 2 - HVAC PLAN



ENGINEERING GROUP, LTD.
625 EAST NORTH BROADWAY STREET
COLUMBUS, OHIO 43214
614-225-1580
EMENGINEERINGGROUP.COM

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

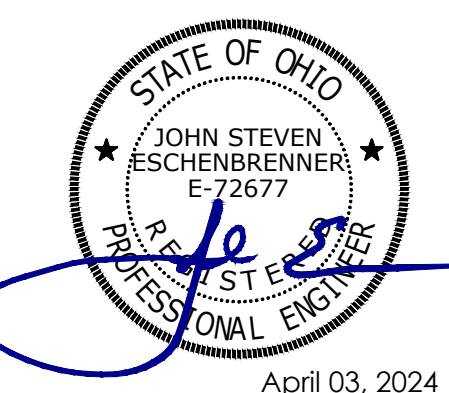
© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: DMC

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |



April 03, 2024

HOOD DRAWINGS

H3.0

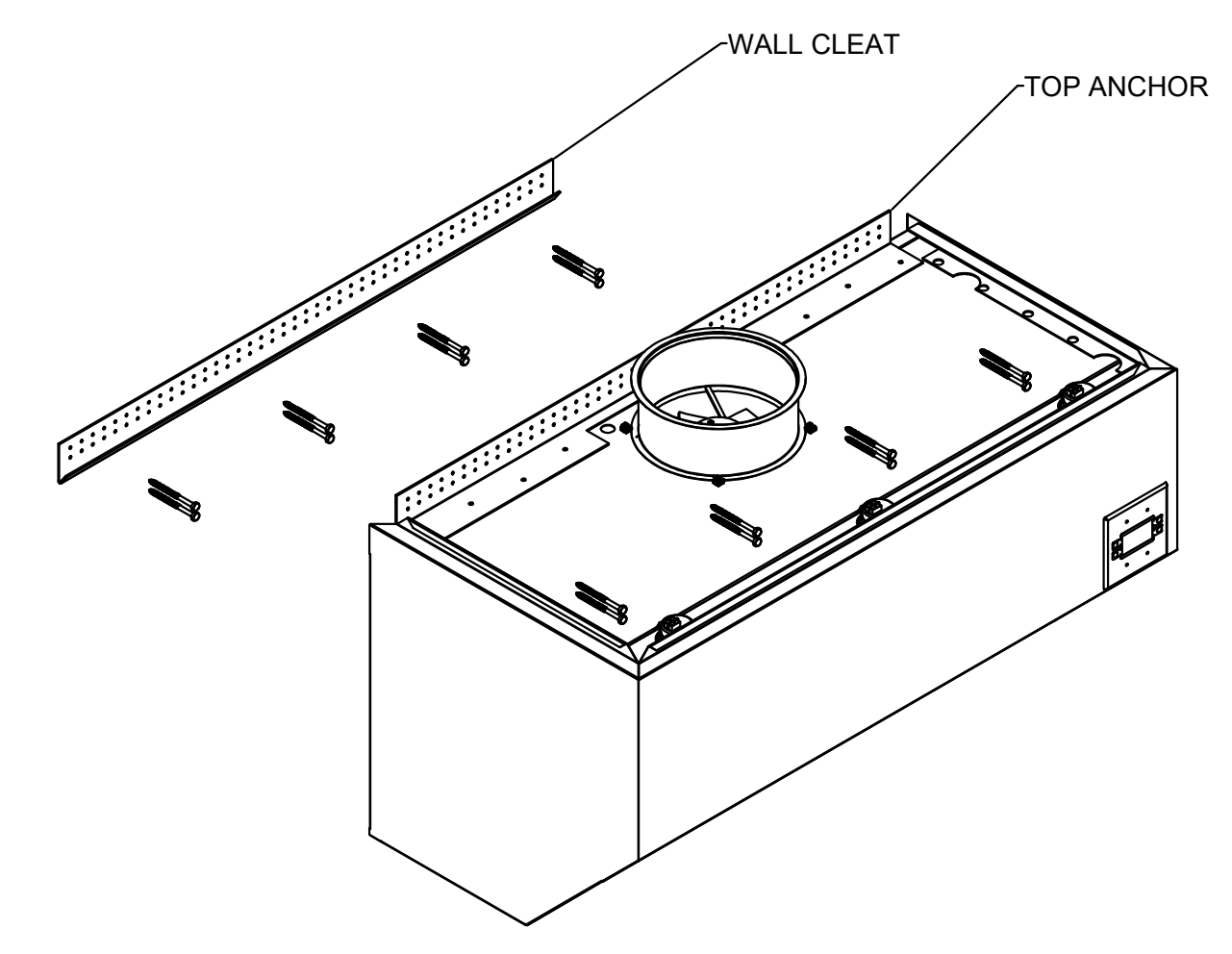
| REVISIONS | |
|-------------|------|
| DESCRIPTION | DATE |
| | |
| | |
| | |

CAPTIVE
Northern Ohio Office
806 Merrimon Rd, Galena, OH, 43230 PHONE: FAX: 9192278925 EMAIL: reg@captivewire.com

McKinley Hall - Heart House
Columbus, OH, 43205

DATE: 3/20/2024
DWG.#: 6690860
DRAWN BY: RTG - 52
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1



MOUNTING HARDWARE

- 1. FASTENER

MOUNTING INSTRUCTIONS

WALL RESIDENTIAL HOOD MUST BE SECURED TO WALL USING BOTH TOP ANCHOR AND WALL CLEAT. MARK LOCATIONS FOR WALL CLEAT ON WALL. DRILL PILOT HOLES FOR FASTENERS. AFTER INSTALLATION OF WALL CLEAT ON WALL, MOUNT HOOD ON WALL CLEAT. USE FASTENERS THROUGH TOP ANCHOR TO DRAW HOOD CLOSER TO THE WALL AND SECURE HOOD TO WALL.
A. WHEN INSTALLING INTO CONCRETE/MASONRY WALL, USE 3/16" x 3-1/4" SCREW, #90161A631.
B. WHEN INSTALLING INTO METAL STUDS, USE #10 x 3" SELF DRILLING SCREWS, #90064A464.
C. WHEN INSTALLING INTO WOODEN STUDS, USE #9 x 3" SCREWS, #90252A254.
D. WHEN FASTENER LANDS ONLY ON DRYWALL, USE 3/16" x 3" LONG TOGGLE BOLTS, #97121A019.

FASTENERS ARE INCLUDED IN WRH INSTALLATION KIT SHIPPED WITH THE HOOD

NOTE:

WALL RESIDENTIAL HOODS 30" AND 36" LONG, MUST USE TWO (2) STUDS MINIMUM, FASTENED WITH TOP ANCHOR AND WALL CLEAT OF WALL RESIDENTIAL HOOD.

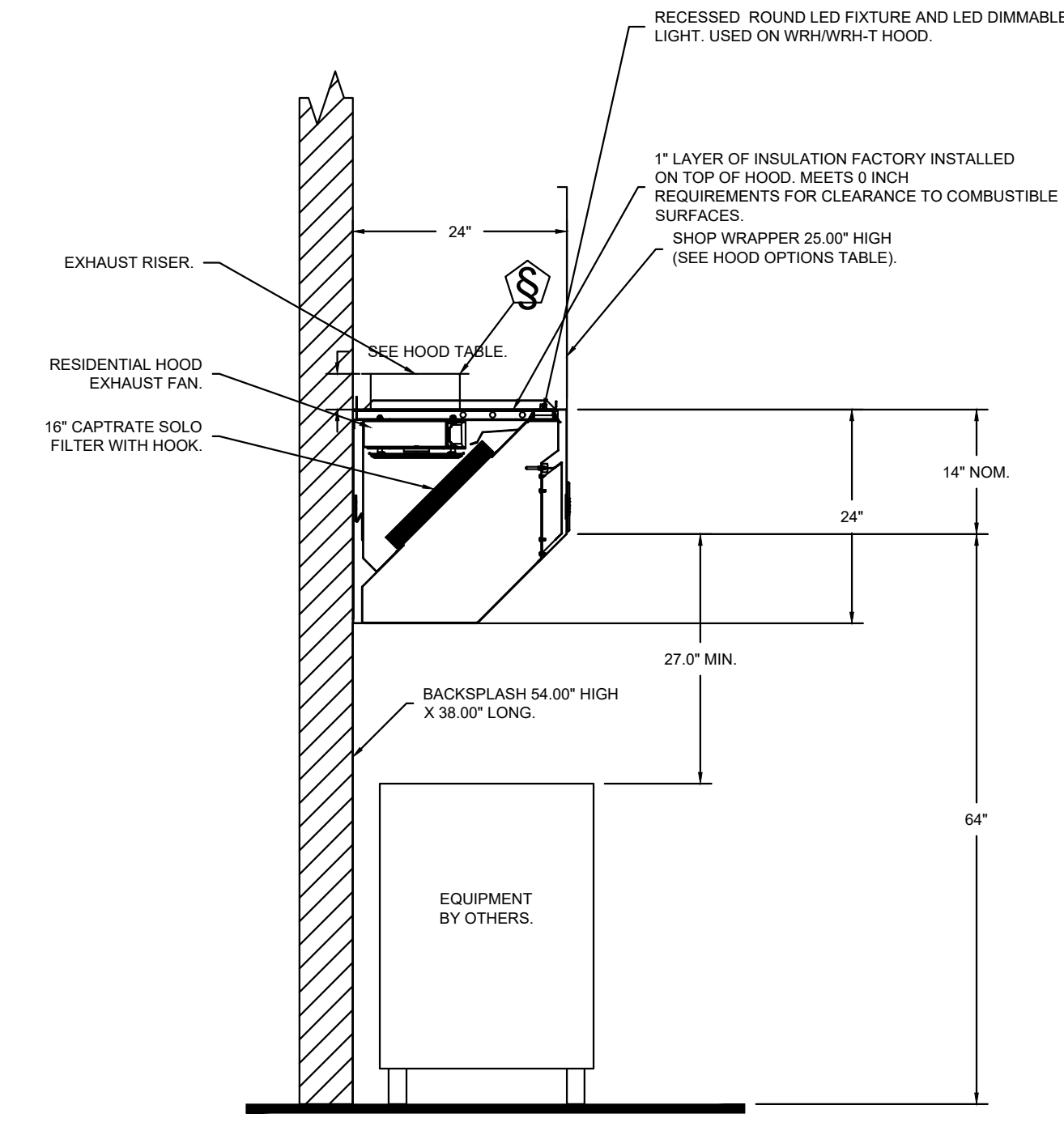
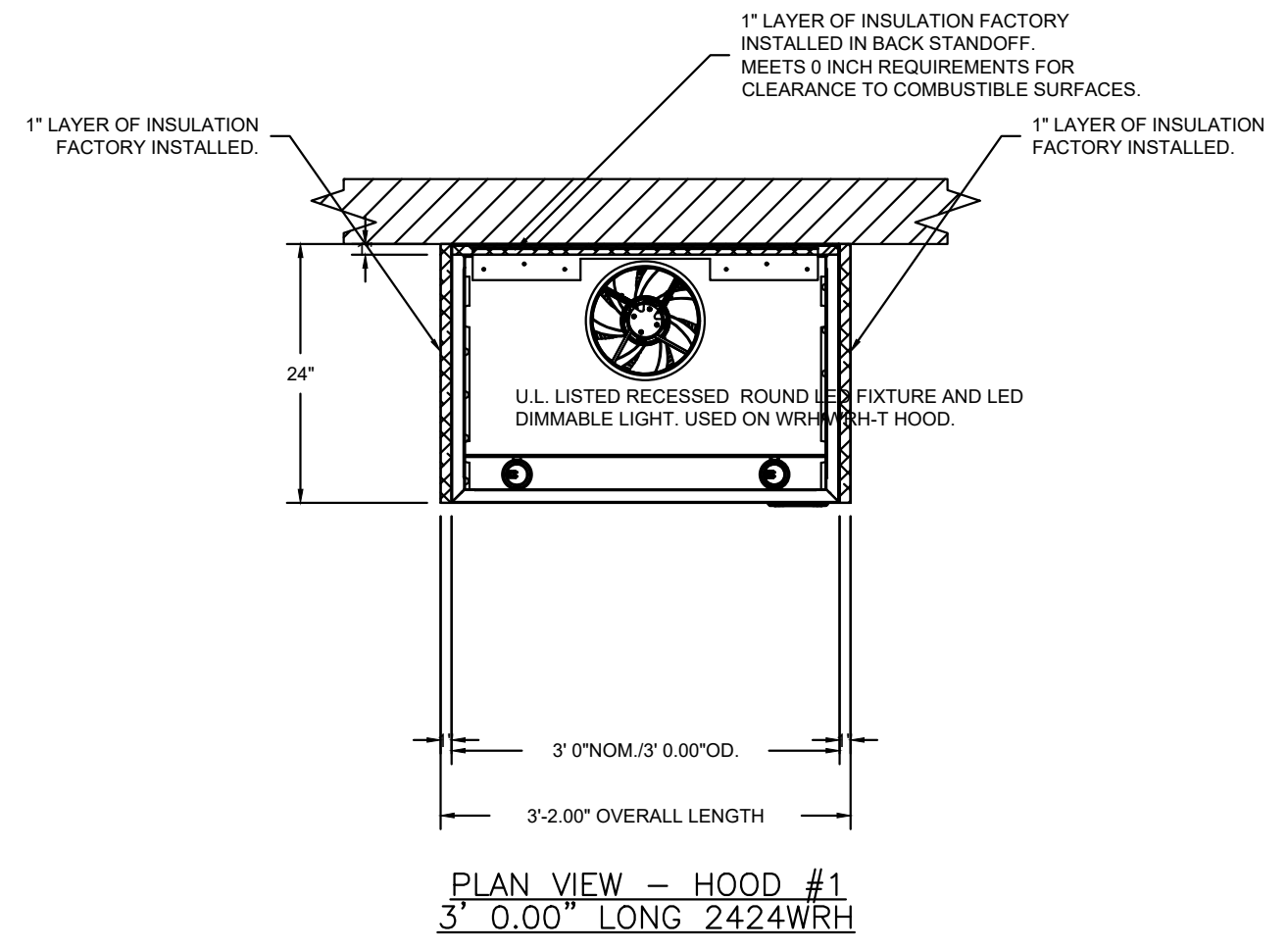
WALL RESIDENTIAL HOODS 48" TO 72" LONG, MUST USE THREE (3) STUDS MINIMUM, FASTENED WITH TOP ANCHOR AND WALL CLEAT OF WALL RESIDENTIAL HOOD.

WALL RESIDENTIAL HOOD IS INTENDED FOR INSTALLATION OVER RESIDENTIAL APPLIANCES ONLY.

| HOOD INFORMATION -- JOB#6690860 | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-----|----------|--------------|--------|------------------|------|----------------|---------------|---------------|-------------------------|------|--------|-----|-------------------|-------------|---------|-------------|------------|-------|
| HOOD NO | TAG | MODEL | MANUFACTURER | LENGTH | MAX COOKING TEMP | TYPE | APPLIANCE DUTY | DESIGN CFM/FT | TOTAL EXH CFM | EXHAUST PLENUM RISER(S) | | | | HOOD CONSTRUCTION | HOOD CONFIG | | | | |
| | | | | | | | | | | WIDTH | LENG | HEIGHT | DIA | | CFM | VEL | SP | END TO END | ROW |
| 1 | | 2424 WRH | CAPTIVEAIRE | 3' 0" | 450 DEG | R | MEDIUM | 100 | 300 | | | 4" | 10" | 250 | 458 | -0.066" | 430 SS 100% | ALONE | ALONE |

| HOOD INFORMATION | | | | | | | | | | | | | | | |
|------------------|-----|----------------------|-----|--------|--------|------------------------|-----|----------------|--------------------|----------|------|--------------------|---------------------|------------------|---------|
| HOOD NO | TAG | FILTER(S) | | | | LIGHT(S) | | | UTILITY CABINET(S) | | | FIRE SYSTEM PIPING | HOOD HANGING WEIGHT | | |
| | | TYPE | QTY | HEIGHT | LENGTH | EFFICIENCY @ 7 MICRONS | QTY | TYPE | WIRE GUARD | LOCATION | SIZE | | | FIRE SYSTEM TYPE | SIZE |
| 1 | | CAPTRATE SOLO FILTER | 2 | 16" | 16" | 85% SEE FILTER SPEC | 2 | RECESSED ROUND | NO | | | | | YES | 180 LBS |

| HOOD OPTIONS | |
|--------------|---------------------------------------------------------|
| HOOD NO | OPTION |
| 1 | BACKSPLASH 54.00" HIGH X 38.00" LONG 430 SS VERTICAL. |
| 1 | LEFT END STANDOFF(FIN/SLP) 1" WIDE 24" LONG INSULATED. |
| 1 | RIGHT END STANDOFF(FIN/SLP) 1" WIDE 24" LONG INSULATED. |
| 1 | INSULATION FOR TOP OF HOOD. |
| 1 | INSULATION FOR BACK OF HOOD. |
| 1 | RESIDENTIAL HOOD STD WRAPPER- FRONT, LEFT, RIGHT. |
| 1 | RESIDENTIAL HOOD EXHAUST FAN. |



SECTION VIEW -- MODEL 2424WRH HOOD -- #1

PLAN VIEW -- HOOD #1 3' 0.00" LONG 24.24WRH

FIRE SYSTEM INFORMATION - JOB#6690860

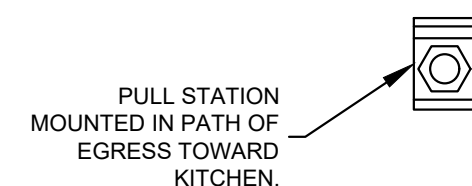
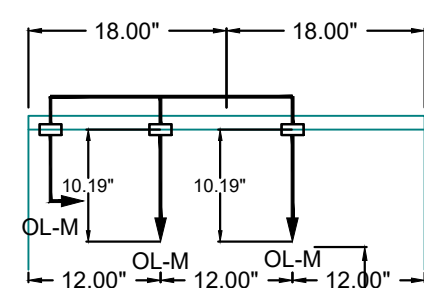
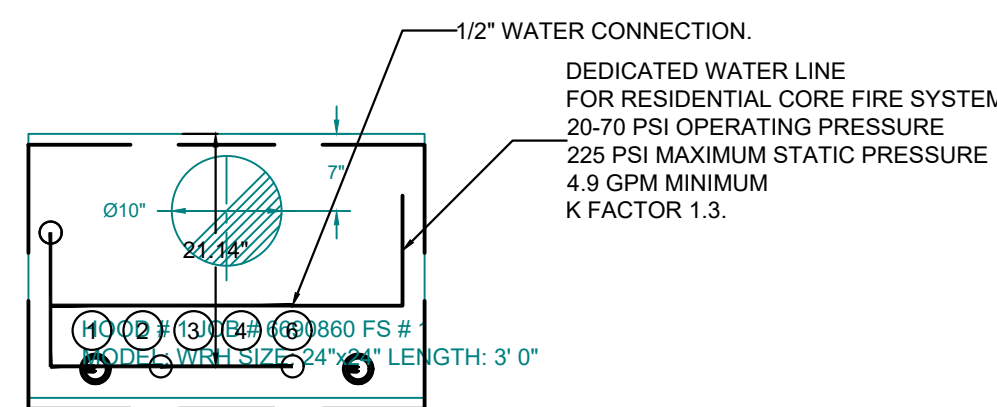
| FIRE SYSTEM NO | TAG | TYPE | SIZE | MAX FP | DESIGN FP | INSTALLATION | |
|----------------|-----|------------------|------|--------|-----------|----------------|------------------|
| | | | | | | SYSTEM | LOCATION ON HOOD |
| 1 | | RESIDENTIAL CORE | 0 | 0 | 0 | HOOD LINE LEFT | N/A |

FIRE SYSTEM PARTS LIST KEY

| FIRE SYSTEM NO | TAG | KEY NUMBER - PART DESCRIPTION | QTY BY FACTORY | QTY BY DIST |
|----------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|
| 1 | | 0 - 0 - A0029078 JUNCTION BOX FOR RESIDENTIAL CORE PROTECTION MANUAL PULL STATION, 1.5" DEEP BACK BOX, BLUE. | 1 | 0 |
| | | 0 - 0 - CORE RESIDENTIAL MANIFOLD RESIDENTIAL CORE MANIFOLD- USED ON 1/2" RESIDENTIAL CORE MANIFOLD. | 1 | 0 |
| | | 34 - 34 - A0018852 24VDC OR 120VAC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. | 1 | 0 |

| TOTAL SYSTEM INLET REQUIREMENTS | | |
|-------------------------------------------|-------------------------|------------------------|
| | MINIMUM FLOW RATE (GPM) | MINIMUM PRESSURE (PSI) |
| TOTAL RESIDENTIAL CORE INLET REQUIREMENTS | 4.9 | 20 |

* OPERATING PRESSURE RANGE AT RESIDENTIAL CORE PANEL GAUGE IS 20 TO 70 PSI.
MAXIMUM STATIC PRESSURE IS 225 PSI.



- NOTES**
- FACTORY PIPING EXTENDED A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
 - THIS FIRE SYSTEM COMPLIES WITH UL300A REQUIREMENTS.

- OL-M NOZZLE PART NUMBER REPLACES 3070-3/8HH-10-SS

JOB #: 6690860.
JOB NAME: MCKINLEY HALL - HEART HOUSE.

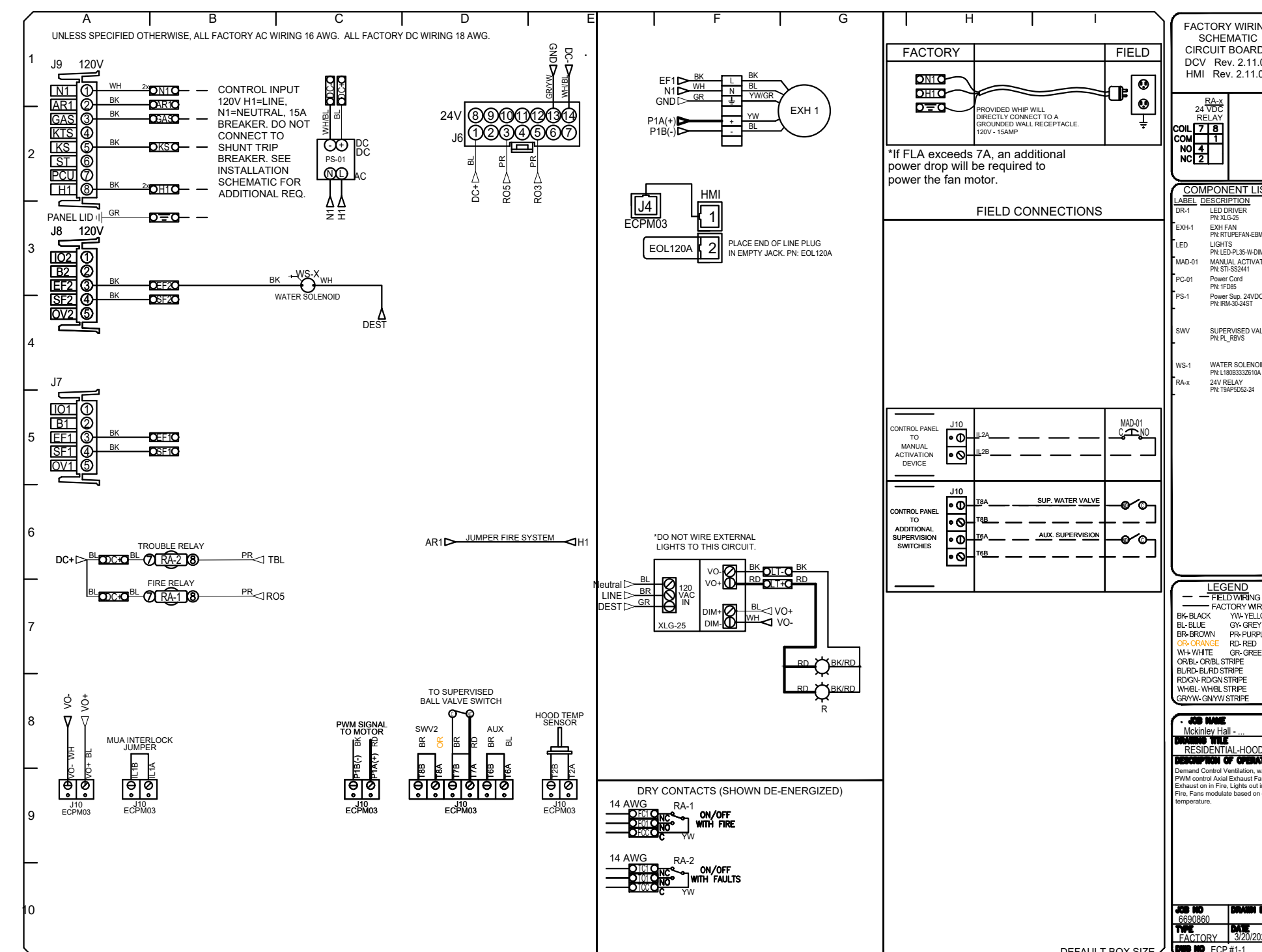
SYSTEM SIZE: RESIDENTIAL DESIGN FP: 0.
HOOD # 1 3' 0.00" LONG x 24" WIDE x 24" HIGH.
RISER # 1 SIZE: 10" DIA.
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

LEGEND - CORE RESIDENTIAL FIRE SYSTEM

- SOLENOID.
- BACK FLOW PREVENTER.
- PRESSURE AND TEMPERATURE GAGE.
- STRAINER.
- SUPERVISED BALL VALVE.

ELECTRICAL PACKAGE - JOB#6690860

| NO | TAG | PACKAGE # | LOCATION | SWITCHES | | OPTION | FANS CONTROLLED | | | | |
|----|-----|------------------|-----------------|-------------------------------------------|------------------|------------------|-----------------|----|-------|-----|-----|
| | | | | LOCATION | QUANTITY | | TYPE | HP | VOLT | FLA | |
| 1 | | RESIDENTIAL-HOOD | MOUNTED IN HOOD | FACE MOUNT RIGHT SIDE OF HOOD HOOD # 1 | 1 LIGHT 1 FAN | RESIDENTIAL HOOD | EXHAUST | 1 | 0.167 | 115 | 1.9 |



REVISIONS

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

CAPTIVE
Northern Ohio Office
886 Morrison Rd., Gahanna, OH, 43230 PHONE: FAX: 919275625 EMAIL: reg2@captiveware.com

Mckinley Hall - Heart House
Columbus, OH, 43205

DATE: 3/20/2024
DWG.#: 6690860
DRAWN BY: RTG - 52
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 2

EM
ENGINEERING GROUP, LTD.
625 EAST NORTH BROADWAY STREET
COLUMBUS, OHIO 43214
614-225-1580
EMENGINEERINGGROUP.COM

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: DMC

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
Mckinley Hall
1911 East Hight Street Springfield, Ohio 45505

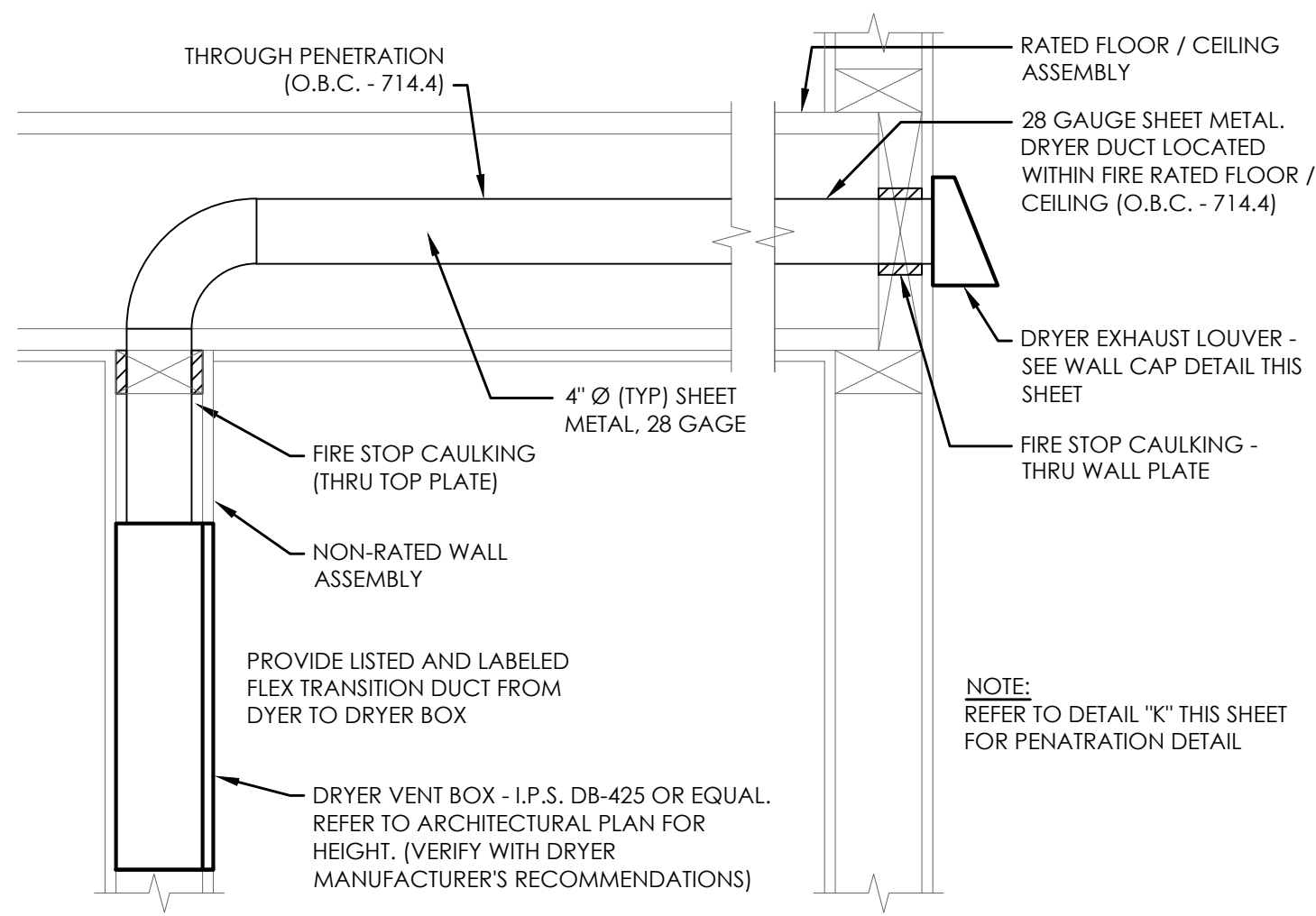
DATE: April 03, 2024

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

STATE OF OHIO
JOHN STEVEN ESCHENBRENNER
E-72677
REGISTERED PROFESSIONAL ENGINEER

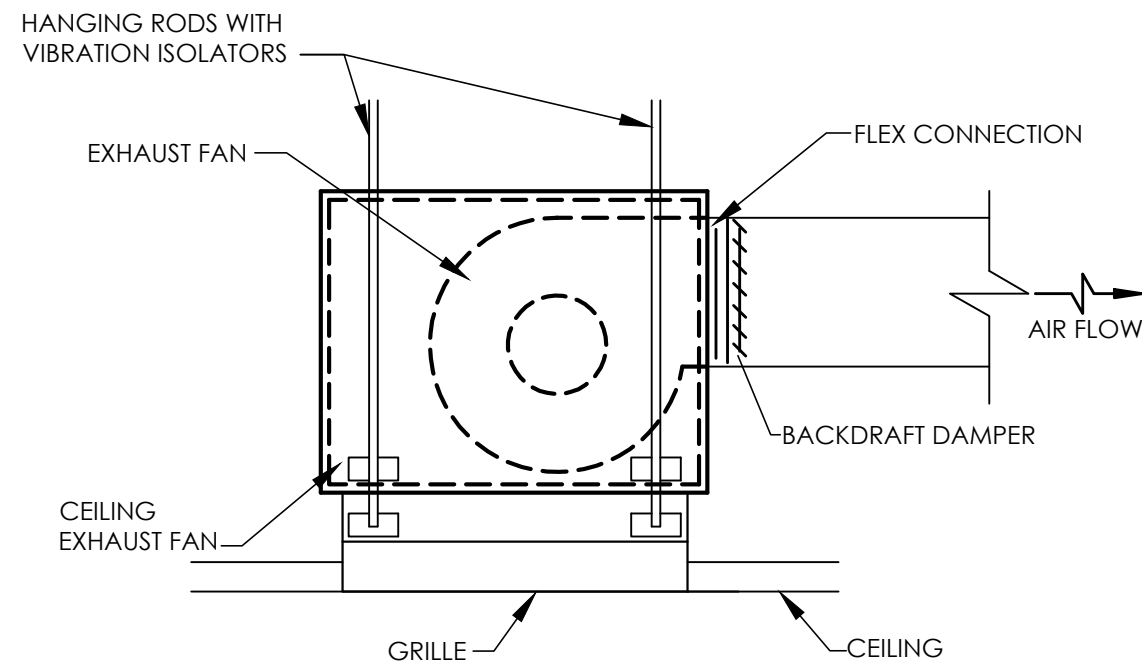
April 03, 2024
HOOD DRAWINGS

H3.1

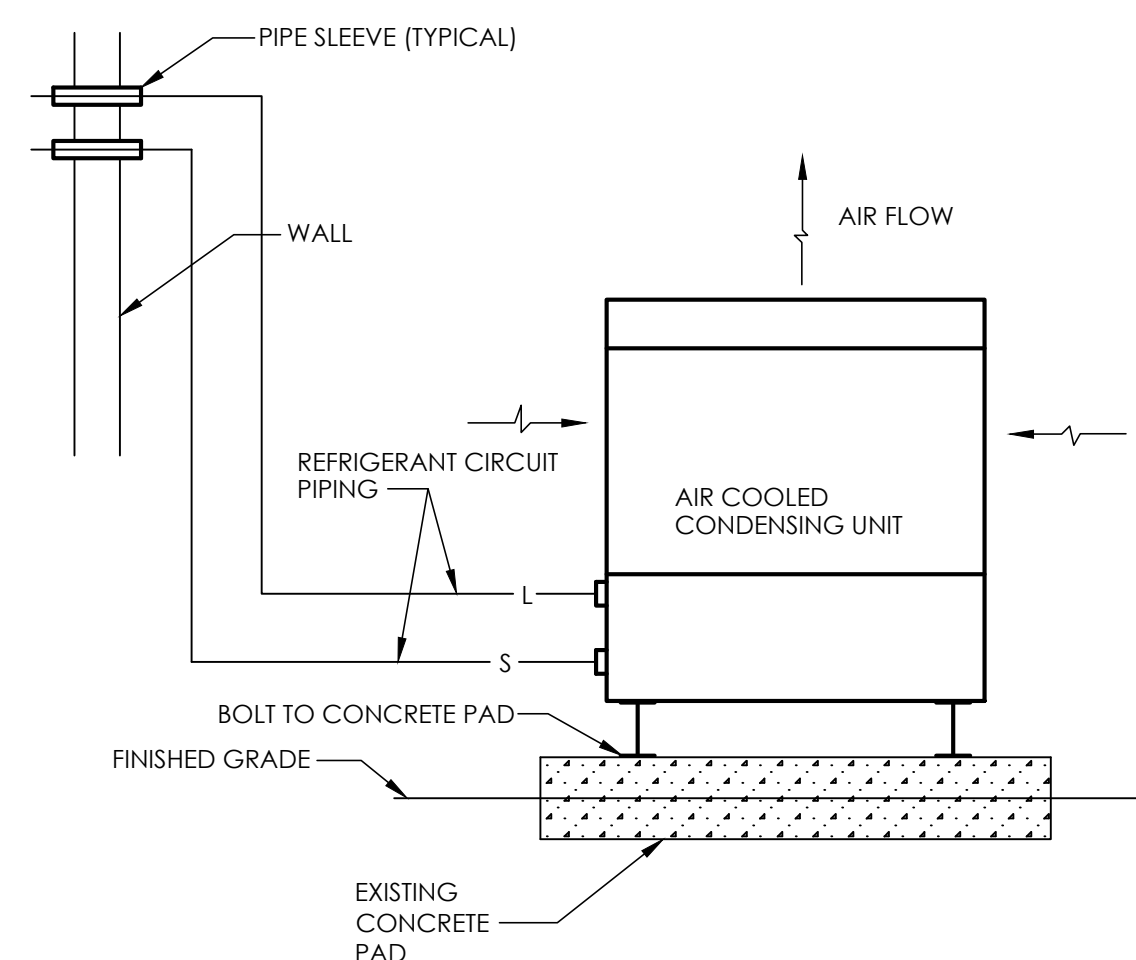


- NOTE:
PER O.B.C. - 714.4.1.2 ALL THROUGH PENETRATIONS MUST MEET THE FOLLOWING REQUIREMENTS:
- 28 GAUGE DUCT.
 - DUCT LOCATED IN ONE DWELLING UNIT.
 - DUCT DOES NOT EXCEED 4" DIAMETER.
 - ANNULAR SPACE IS PROTECTED WITH FIRE CAULK.
 - GRILL OPENINGS ARE LOCATED IN NON-RATED WALL.

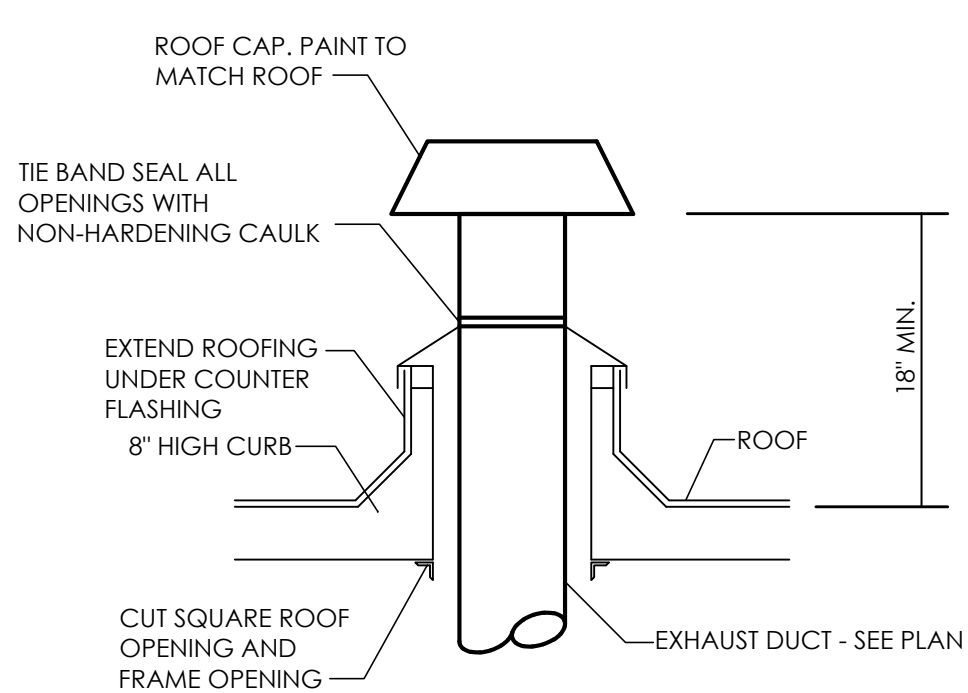
A DRYER DUCT CEILING MEMBRANE
SCALE: NTS



C CEILING EXHAUST FAN DETAIL
SCALE: NTS

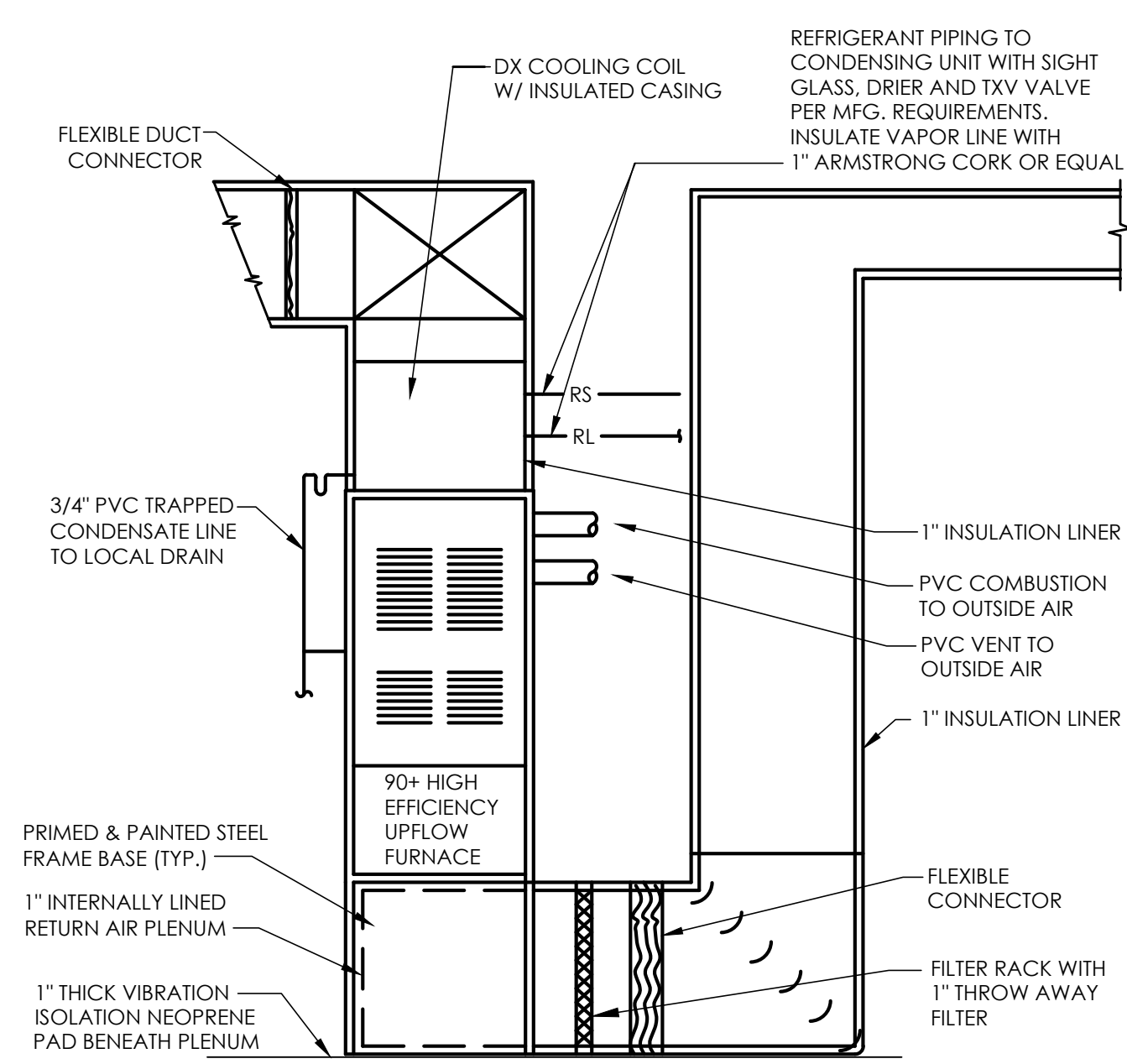


B AIR COOLED CONDENSING UNIT
SCALE: NTS

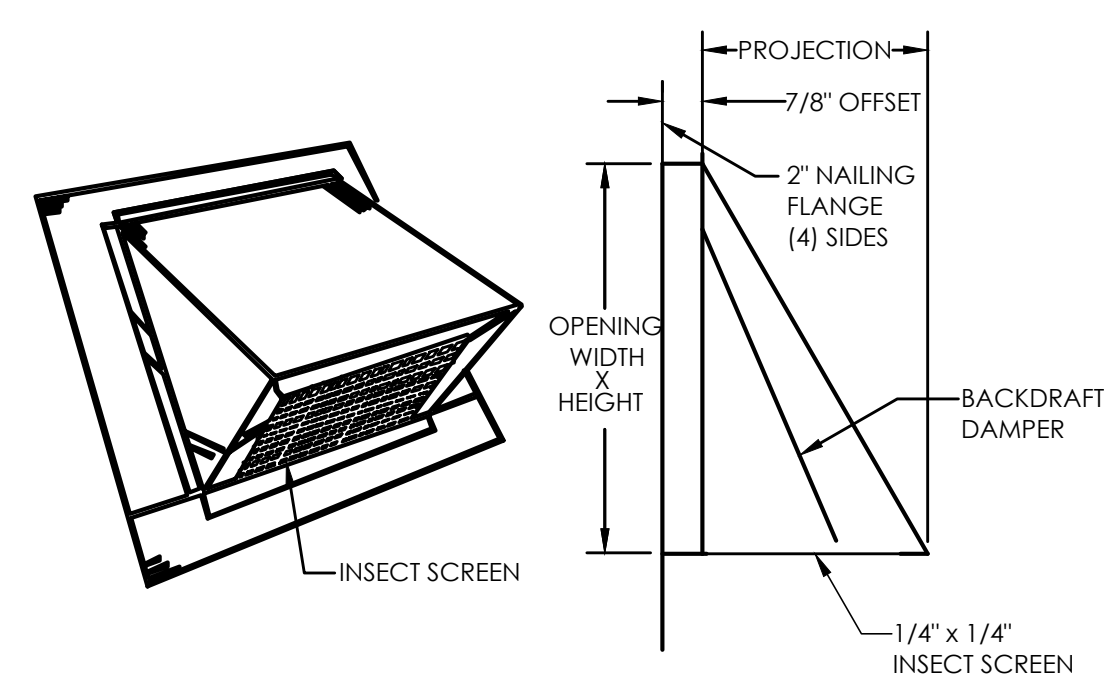


NOTE- MAINTAIN A MINIMUM OF 10'-0" SEPARATION BETWEEN ALL EXHAUST AND INTAKE LOCATIONS

D ROOF CAP DETAIL
SCALE: NTS



E VERTICAL FURNACE INSTALLATION DETAIL
SCALE: NTS



F WALL CAP DETAIL (BATHROOM EXHAUST)
SCALE: NTS

| GAS FIRED SPLIT SYSTEM SCHEDULE | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|------------------------|----------|----------|-----|-----------|--------------------------|---------------------------|------|-------|--------------|-------|--------|----------------|-------------------------|------|-------------------|------------|------|---------|---------------|
| INDOOR UNIT | | | | | | | | | | OUTDOOR UNIT | | | | | | | | | | |
| SYMBOL | BRYANT MODEL # | S.A. CFM | O.A. CFM | ESP | BLOWER HP | HEATING CAP. (MBH) INPUT | HEATING CAP. (MBH) OUTPUT | AFUE | VOLTS | FLA | MOCPP | SYMBOL | BRYANT MODEL # | COOLING CAP. (MBH) TOT. | SEER | ELECTRIC VOLTS/PH | MCA | MOP | REMARKS | |
| F-1 | 912SE60100M21 (UPFLOW) | 1,600 | 200 | 0.5 | 1.0 | 100,000 | 93,000 | 92.1 | 120/1 | 11.1 | 15 | CU-1 | 114SAN04800N | 42.1 | 31.6 | 14 | 208/230V/3 | 24.5 | 40 | 1.2,3,4,5,6,7 |
| F-2 | 912SE60100M21 (UPFLOW) | 1,600 | 275 | 0.5 | 1.0 | 100,000 | 93,000 | 92.1 | 120/1 | 11.1 | 15 | CU-2 | 114SAN04800N | 42.1 | 31.6 | 14 | 208/230V/3 | 24.5 | 40 | 1.2,3,4,5,6,7 |
| F-3 | 912SE60100M21 (UPFLOW) | 1,600 | 225 | 0.5 | 1.0 | 100,000 | 93,000 | 92.1 | 120/1 | 11.1 | 15 | CU-3 | 114SAN04800N | 42.1 | 31.6 | 14 | 208/230V/3 | 24.5 | 40 | 1.2,3,4,5,6,7 |
| F-4 | 912SE60100M21 (UPFLOW) | 1,600 | 200 | 0.5 | 1.0 | 100,000 | 93,000 | 92.1 | 120/1 | 11.1 | 15 | CU-4 | 114SAN04800N | 42.1 | 31.6 | 14 | 208/230V/3 | 24.5 | 40 | 1.2,3,4,5,6,7 |
| F-5 | 912SE60100M21 (UPFLOW) | 1,600 | 330 | 0.5 | 1.0 | 100,000 | 93,000 | 92.1 | 120/1 | 11.1 | 15 | CU-5 | 114SAN04800N | 42.1 | 31.6 | 14 | 208/230V/3 | 24.5 | 40 | 1.2,3,4,5,6,7 |
| F-6 | 912SE60100M21 (UPFLOW) | 1,600 | 325 | 0.5 | 1.0 | 100,000 | 93,000 | 92.1 | 120/1 | 11.1 | 15 | CU-6 | 114SAN04800N | 42.1 | 31.6 | 14 | 208/230V/3 | 24.5 | 40 | 1.2,3,4,5,6,7 |
| F-7 | 912SE60100M21 (UPFLOW) | 1,600 | 200 | 0.5 | 1.0 | 100,000 | 93,000 | 92.1 | 120/1 | 11.1 | 15 | CU-7 | 114SAN04800N | 42.1 | 31.6 | 14 | 208/230V/3 | 24.5 | 40 | 1.2,3,4,5,6,7 |
| F-8 | 912SE60100M21 (UPFLOW) | 1,600 | 370 | 0.5 | 1.0 | 100,000 | 93,000 | 92.1 | 120/1 | 11.1 | 15 | CU-8 | 114SAN04800N | 42.1 | 31.6 | 14 | 208/230V/3 | 24.5 | 40 | 1.2,3,4,5,6,7 |

- NOTES:
- FURNISH & INSTALL PRE-MANUFACTURED AND INSULATED REFRIGERANT LINE SET. (SIZE PER MANUFACTURER'S REQUIREMENTS).
 - FURNISH & INSTALL MANUFACTURER'S 7-DAY PROGRAMMABLE THERMOSTAT.
 - FURNISH & INSTALL READILY ACCESSIBLE FILTER RACK AND CLEAN FILTER.
 - FURNISH & INSTALL PVC COMBUSTION AND VENT PIPING WITH CONCENTRIC VENT KIT. (SIZE PER MANUFACTURER'S REQUIREMENTS).
 - FURNISH & INSTALL INSULATED PVC CONDENSATE DRAIN PIPE AND TERMINATE WITH CODE REQUIRED AIR GAP.
 - PROVIDE WITH COMPATIBLE ENCASED/PAINTED COOLING COIL.
 - PROVIDE WITH LOW AMBIENT CONTROL (0°F), WINTER & HARD START KIT & CRANK CASE HEATER.

| DUCTLESS SPLIT HEAT PUMP SYSTEMS | | | | | | | | | | | | |
|----------------------------------|----------------|----------------|--------------|----------|----------|--------|------|-------|-----------|----|----|-------------|
| SYMBOL | BRYANT MODEL # | CAPACITY (MBH) | EFFICIENCY | ELECTRIC | REMARKS | | | | | | | |
| OUTDOOR | INDOOR | COOLING | HEATING @17° | SEER2 | COP @47° | V/PH | MCA | MOCPP | REMARKS | | | |
| HP-1 | DS-1 | 38MARBQ24AA3 | 619AHBQ24XA3 | 24,000 | 29,000 | 19,800 | 21.5 | 3.4 | 208-230/1 | 25 | 30 | 1.2,3,4,5,6 |
| | | | | COP @17° | | | | | | | | |
| | | | | 3.05 | | | | | | | | |

REMARKS:

- HYPER-HEAT PUMP SYSTEM IS BASED ON BRYANT WITH SCHEDULED 100% HEATING CAPACITY DOWN TO 5°F, AND 70% - 81% HEATING OPERATING RANGE DOWN TO -13°F AMBIENT.
- OUTSIDE HEAT PUMP UNIT SHALL BE MOUNTED ON CONDENSER PAD. VERIFY ALL REQUIREMENTS WITH UNIT MANUFACTURER'S RECOMMENDATIONS.
- EXTEND INSULATED CONDENSATE DRAIN LINES TO MOP SINK OR APPROVED DRAIN WITH CODE REQUIRED AIR GAP. FIELD COORDINATE WITH EXISTING CONDITIONS AND NEW CONSTRUCTION FOR REQUIREMENTS. PROVIDE LITTLE GIANT CONDENSATE PUMP AS REQUIRED FOR ADEQUATE FALL. FIELD VERIFY ALL REQUIREMENTS.
- FURNISH WITH KSACN0801AAA WIRED PROGRAMMABLE THERMOSTAT. FIELD VERIFY ALL REQUIREMENTS.
- INSTALL INSULATED REFRIGERANT LINE SETS PER MANUFACTURER'S INSTALLATION GUIDELINES. PROVIDE REQUIRED PIPING DETAIL BY UNIT MANUFACTURE FOR APPROVAL TO ENGINEER.
- FURNISH WITH DISCONNECT SWITCH.

| ELECTRIC WALL HEATER | | | | | | | | |
|----------------------|-------|----------|-------------|----------|------------|-------|------|-------|
| TAG | MFG. | MODEL | AREA SERVED | MOUNTING | ELECTRICAL | NOTES | | |
| | | | | | VOLT/PH | KW | FLA | |
| EWH-1 | QMARK | AWH4408F | VESTIBULE | SURFACE | 208/1 | 4 | 19.2 | 1,2,3 |

ACCESSORIES:

- PROVIDE UNIT-MOUNTED THERMOSTAT.
- MANUAL RESET THERMAL OVERHEAT PROTECTOR.
- PROVIDE FACTORY DISCONNECT SWITCH.

| AIR DEVICE SCHEDULE | | | | | | | |
|---------------------|--------------|-------|-----------|-----------|----------|----------|-------|
| TAG | MANUFACTURER | MODEL | FACE SIZE | NECK SIZE | MOUNTING | MATERIAL | NOTES |
| SD-1 | TITUS | TMS | 24"x24" | 8"Ø | LAY-IN | STEEL | |
| SD-2 | TITUS | TMS | 24"x24" | 6"Ø | LAY-IN | STEEL | |
| SG-1 | TITUS | 300RL | 10"x6" | - | SIDEWALL | STEEL | |
| RG-1 | TITUS | 350RL | 24"x12" | 22"x10" | LAY-IN | STEEL | |
| RG-2 | TITUS | 350RL | 24"x24" | 22"x22" | LAY-IN | STEEL | |
| IG-1 | TITUS | 350RL | 16"x10" | 14"x8" | SIDEWALL | STEEL | |

NOTES:

- FINISH SELECTED BY ARCHITECT.
- PROVIDE NECK-MOUNTED DAMPER.
- ADJUSTABLE AIR PATTERN.
- PROVIDE OPTIONAL PLASTER FRAME.

| EXHAUST FAN SCHEDULE | | | | | | | | | | | | |
|----------------------|-------|-------|-----|-------------|------|--------|--------------|--------------|--------|---------|----|---------|
| ITEM | MFG. | MODEL | CFM | AREA SERVED | S.P. | DRIVE | WALL OPENING | ROOF OPENING | MOTOR | REMARKS | | |
| | | | | | | | | | POWER | VOLTS | PH | |
| EF-1 | BROAN | AE110 | 110 | BATH RM | 0.1 | DIRECT | SEE PLANS | SEE PLANS | 100 W. | 120 | 1 | 1.2,3,4 |
| EF-2 | BROAN | AE110 | 110 | BATH RM | 0.1 | DIRECT | SEE PLANS | SEE PLANS | 100 W. | 120 | 1 | 1.2,3,4 |

NOTES:

- UNIT TO BE SUPPLIED WITH BACKDRAFT DAMPER.
- UNIT TO BE CEILING MOUNTED.
- COORDINATE FINAL MOUNTING LOCATION WITH ARCHITECT.
- CONTROLLED BY LIGHT SWITCH OR OCCUPANCY SENSOR.

| DRYER VENTING REQUIREMENTS | | | | | | |
|------------------------------|----------------------------|-------------------|-------------------|-------------------------|------------------------|---------|
| BASED ON OMC SECTION 504.8.4 | | | | | | |
| UNIT | STRAIGHT DUCT LENGTH (FT.) | NO. OF 90° ELBOWS | NO. OF 45° ELBOWS | EQUIVALENT LENGTH (FT.) | ALLOWABLE LENGTH (FT.) | REMARKS |
| HOUSE 1 | 25 | - | - | 25 | 35 | 1,2 |
| HOUSE 2 | 25 | - | - | 25 | 35 | |

REMARKS:

- VENT LENGTH TO BE LABELED WITHIN 6' OF EXHAUST DUCT WHEN EQUIVALENT LENGTH EXCEEDS 35' PER OMC 504.8.5.
- COORDINATE PROPER INSTALLATION OF DRYER MODEL TYPE WITH REQUIRED DRYER VENTING LENGTH.

| LOUVER SCHEDULE | | | | | | | | |
|-----------------|-----------|---------------|-------|-----------|---------------|----------|---------------------|-------|
| MARK | MFG. | MODEL # | CFM | FREE AREA | VELOCITY F/ft | WxH SIZE | SERVES | NOTES |
| IL-1 | GREENHECK | ESD-635-26X14 | 700 | 1 | 971 | 26X14 | F-1,F-2,F-3 | 1,2,3 |
| IL-2 | GREENHECK | ESD-635-24X24 | 1,435 | 1.8 | 788 | 26X24 | F-4,F-5,F-6,F-7,F-8 | 1,2,3 |

NOTES:

- COLOR SELECTED BY ARCHITECT.
- COORDINATE EXACT LOCATION WITH G.C. . INCLUDE COST FOR ALL EXTERIOR OPENINGS.
- PROVIDE WITH INSECT SCREEN.



It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

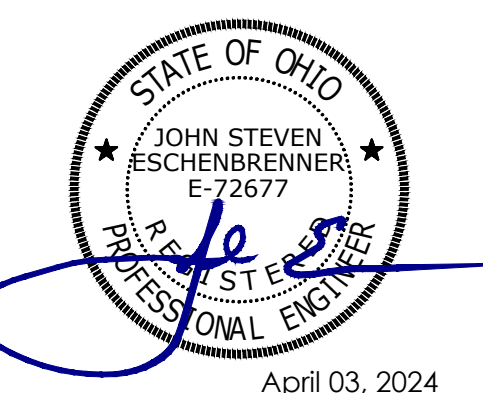
© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: DMC

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |

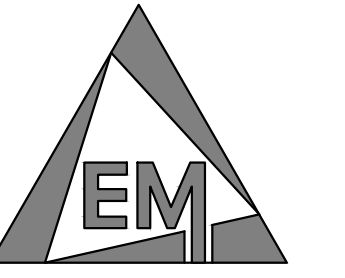


April 03, 2024
HVAC SCHEDULES & DETAILS

H4.0

| REQUIRED OUTDOOR VENTILATION AIR | | | | | | | | | | | |
|------------------------------------|---------|------------------|------------------|----------------------------------|--------------|------------|----------------|--------------|---------------|-------------|----------------------------------|
| UNIT | ROOM # | SPACE NAME | SPACE TYPE | MAX. OCCUPANCY PERSONS/1000 SQFT | AREA SQ. FT. | NO. PEOPLE | OA CFM /PERSON | OA CFM /SQFT | OA CFM PEOPLE | OA CFM SQFT | MINIMUM CFM OUTSIDE AIR REQUIRED |
| F-1 | 100 | MAIN ENTRY LOBBY | MAIN ENTRY LOBBY | 10 | 200 | 2 | 5 | 0.06 | 10 | 12 | 22 |
| | 102 | WAITING RM | WAITING RM | 15 | 255 | 4 | 5 | 0.06 | 20 | 15 | 35 |
| | 120 | CORRIDOR | CORRIDOR | 0 | 55 | 0 | 0 | 0.06 | 0 | 3 | 3 |
| | 105B | STORAGE | STORAGE | 0 | 15 | 0 | 0 | 0.12 | 0 | 2 | 2 |
| | 105 | CORRIDOR | CORRIDOR | 0 | 135 | 0 | 0 | 0.06 | 0 | 8 | 8 |
| | 106 | PATIENT RM | PATIENT RM | 25 | 110 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 107 | PATIENT RM | PATIENT RM | 25 | 100 | 3 | 5 | 0.12 | 15 | 12 | 27 |
| | 108 | PATIENT RM | PATIENT RM | 25 | 110 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| SUBTOTAL | | | | | | | | | | | 154 |
| VENTILATION EFFECTIVENESS (Ez) 0.8 | | | | | | | | | | | 193 |
| 200 CFM OA PROVIDED BY F-1 | | | | | | | | | | | 200 |
| F-2 | 150 | MAIN ENTRY LOBBY | MAIN ENTRY LOBBY | 10 | 155 | 2 | 5 | 0.06 | 10 | 9 | 19 |
| | 114 | THERAPIST OFF | OFFICE SPACE | 5 | 105 | 1 | 5 | 0.06 | 5 | 6 | 11 |
| | 113 | CORRIDOR | CORRIDOR | 0 | 45 | 0 | 0 | 0.06 | 0 | 4 | 4 |
| | 111 | NURSE STATION | NURSE STATION | 15 | 100 | 2 | 5 | 0.06 | 10 | 6 | 16 |
| | 112 | CORRIDOR | CORRIDOR | 0 | 75 | 0 | 0 | 0.06 | 0 | 5 | 5 |
| | 115 | BREAK ROOM | BREAK ROOM | 25 | 115 | 3 | 5 | 0.06 | 15 | 7 | 22 |
| | 116 | OFFICE | OFFICE SPACE | 5 | 100 | 1 | 5 | 0.06 | 5 | 6 | 11 |
| | 151 | GROUP RM | MEETING ROOM | 50 | 395 | 20 | 5 | 0.06 | 100 | 24 | 124 |
| | S1 | STAIRS | STAIRS | 0 | 110 | 0 | 0 | 0.06 | 0 | 7 | 7 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| SUBTOTAL | | | | | | | | | | | 218 |
| VENTILATION EFFECTIVENESS (Ez) 0.8 | | | | | | | | | | | 273 |
| 275 CFM OA PROVIDED BY F-2 | | | | | | | | | | | 275 |
| F-3 | 109 | WORK RM | RECEPTION AREA | 30 | 90 | 3 | 5 | 0.06 | 15 | 5 | 20 |
| | 110 | CORRIDOR | CORRIDOR | 0 | 60 | 0 | 0 | 0.06 | 0 | 4 | 4 |
| | 121 | PATIENT RM | PATIENT RM | 25 | 105 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 122 | PATIENT RM | PATIENT RM | 25 | 105 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 123 | PATIENT RM | PATIENT RM | 25 | 105 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 124 | PATIENT RM | PATIENT RM | 25 | 105 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 125 | PATIENT RM | PATIENT RM | 25 | 105 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 126 | CORRIDOR | CORRIDOR | 0 | 60 | 0 | 0 | 0.06 | 0 | 4 | 4 |
| | 120 | CORRIDOR | CORRIDOR | 0 | 180 | 0 | 0 | 0.06 | 0 | 11 | 11 |
| | 120A | STORAGE | STORAGE | 0 | 10 | 0 | 0 | 0.12 | 0 | 2 | 2 |
| SUBTOTAL | | | | | | | | | | | 179 |
| VENTILATION EFFECTIVENESS (Ez) 0.8 | | | | | | | | | | | 224 |
| 225 CFM OA PROVIDED BY F-3 | | | | | | | | | | | 225 |
| F-4 | S2 | STAIRS | STAIRS | 0 | 115 | 0 | 0 | 0.06 | 0 | 7 | 7 |
| | 205/206 | CORRIDOR | CORRIDOR | 0 | 85 | 0 | 0 | 0.06 | 0 | 5 | 5 |
| | 202/203 | LIVING / DINING | DAYROOM | 30 | 530 | 16 | 5 | 0.06 | 80 | 32 | 112 |
| | 204 | KITCHEN | BREAK ROOM | 25 | 150 | 4 | 5 | 0.06 | 20 | 9 | 29 |
| SUBTOTAL | | | | | | | | | | | 153 |
| VENTILATION EFFECTIVENESS (Ez) 0.8 | | | | | | | | | | | 192 |
| 200 CFM OA PROVIDED BY F-4 | | | | | | | | | | | 200 |

| REQUIRED OUTDOOR VENTILATION AIR | | | | | | | | | | | |
|------------------------------------|----------|------------------|------------------|----------------------------------|--------------|------------|----------------|--------------|---------------|-------------|----------------------------------|
| UNIT | ROOM # | SPACE NAME | SPACE TYPE | MAX. OCCUPANCY PERSONS/1000 SQFT | AREA SQ. FT. | NO. PEOPLE | OA CFM /PERSON | OA CFM /SQFT | OA CFM PEOPLE | OA CFM SQFT | MINIMUM CFM OUTSIDE AIR REQUIRED |
| F-5 | 208 | MAIN ENTRY LOBBY | MAIN ENTRY LOBBY | 10 | 50 | 1 | 5 | 0.06 | 5 | 3 | 8 |
| | 208A,B | STORAGE | STORAGE | 0 | 50 | 0 | 0 | 0.12 | 0 | 6 | 6 |
| | 201/208 | CORRIDOR | CORRIDOR | 0 | 365 | 0 | 0 | 0.06 | 0 | 22 | 22 |
| | 107 | PATIENT RM | PATIENT RM | 25 | 105 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 107 | PATIENT RM | PATIENT RM | 25 | 105 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 107 | PATIENT RM | PATIENT RM | 25 | 110 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 107 | PATIENT RM | PATIENT RM | 25 | 115 | 3 | 5 | 0.12 | 15 | 14 | 29 |
| | 107 | PATIENT RM | PATIENT RM | 25 | 115 | 3 | 5 | 0.12 | 15 | 14 | 29 |
| | 107 | PATIENT RM | PATIENT RM | 25 | 115 | 3 | 5 | 0.12 | 15 | 14 | 29 |
| | 107 | PATIENT RM | PATIENT RM | 25 | 115 | 3 | 5 | 0.12 | 15 | 14 | 29 |
| | 108 | PATIENT RM | PATIENT RM | 25 | 110 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| SUBTOTAL | | | | | | | | | | | 263 |
| VENTILATION EFFECTIVENESS (Ez) 0.8 | | | | | | | | | | | 328 |
| 330 CFM OA PROVIDED BY F-5 | | | | | | | | | | | 330 |
| F-6 | 303 | PATIENT RM | PATIENT RM | 25 | 120 | 3 | 5 | 0.12 | 15 | 14 | 29 |
| | 304 | PATIENT RM | PATIENT RM | 25 | 120 | 3 | 5 | 0.12 | 15 | 14 | 29 |
| | 305 | PATIENT RM | PATIENT RM | 25 | 120 | 3 | 5 | 0.12 | 15 | 14 | 29 |
| | 306 | PATIENT RM | PATIENT RM | 25 | 120 | 3 | 5 | 0.12 | 15 | 14 | 29 |
| | 301/302 | CORRIDOR | CORRIDOR | 0 | 120 | 0 | 0 | 0.06 | 0 | 7 | 7 |
| | 310 | CORRIDOR | CORRIDOR | 0 | 160 | 0 | 0 | 0.06 | 0 | 10 | 10 |
| | 300 | MAIN ENTRY LOBBY | MAIN ENTRY LOBBY | 10 | 75 | 1 | 5 | 0.06 | 5 | 5 | 10 |
| | 312 | PATIENT RM | PATIENT RM | 25 | 110 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 313 | PATIENT RM | PATIENT RM | 25 | 110 | 3 | 5 | 0.12 | 15 | 13 | 28 |
| | 310A | STORAGE | STORAGE | 0 | 15 | 0 | 0 | 0.12 | 0 | 2 | 2 |
| | 314 | PATIENT RM | PATIENT RM | 25 | 100 | 3 | 5 | 0.12 | 15 | 12 | 27 |
| | 315 | PATIENT RM | PATIENT RM | 25 | 100 | 3 | 5 | 0.12 | 15 | 12 | 27 |
| | | | | | | | | | | | |
| | SUBTOTAL | | | | | | | | | | |
| VENTILATION EFFECTIVENESS (Ez) 0.8 | | | | | | | | | | | 320 |
| 320 CFM OA PROVIDED BY F-6 | | | | | | | | | | | 320 |
| F-7 | 319 | TECH STATION | OFFICE SPACE | 5 | 80 | 1 | 5 | 0.06 | 5 | 5 | 10 |
| | 316 | REC ROOM | DAYROOM | 30 | 175 | 37 | 5 | 0.06 | 25 | 11 | 36 |
| | 318 | DINING | DAYROOM | 30 | 350 | 11 | 5 | 0.06 | 55 | 21 | 76 |
| | 317 | KITCHEN | BREAK ROOM | 25 | 160 | 4 | 5 | 0.06 | 20 | 10 | 30 |
| | 302 | CORRIDOR | CORRIDOR | 0 | 55 | 0 | 0 | 0.06 | 0 | 3 | 3 |
| | 311 | CORRIDOR | CORRIDOR | 0 | 50 | 0 | 0 | 0.06 | 0 | 3 | 3 |
| | | | | | | | | | | | |
| SUBTOTAL | | | | | | | | | | | 152 |
| VENTILATION EFFECTIVENESS (Ez) 0.8 | | | | | | | | | | | 224 |
| 225 CFM OA PROVIDED BY F-7 | | | | | | | | | | | 225 |
| F-8 | 001 | REC ROOM | DAYROOM | 30 | 1235 | 37 | 5 | 0.06 | 185 | 74 | 259 |
| | 007 | STORAGE | STORAGE | 0 | 181 | 0 | 0 | 0.12 | 0 | 22 | 22 |
| | 003 | STORAGE | STORAGE | 0 | 115 | 0 | 0 | 0.12 | 0 | 14 | 14 |
| SUBTOTAL | | | | | | | | | | | 295 |
| VENTILATION EFFECTIVENESS (Ez) 0.8 | | | | | | | | | | | 369 |
| 370 CFM OA PROVIDED BY F-8 | | | | | | | | | | | 370 |



ENGINEERING GROUP, LTD.
625 EAST NORTH BROADWAY STREET
COLUMBUS, OHIO 43214
614-225-1580
EMENGINEERINGGROUP.COM

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: DMC

SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation

FOR
McKinley Hall

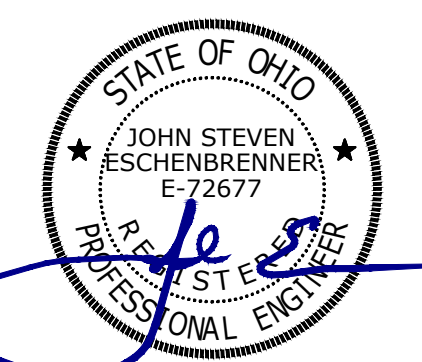
1911 East High Street Springfield, Ohio 45505

DATE

April 03, 2024

REV# DATE DESCRIPTION

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |



April 03, 2024

HVAC SCHEDULES

H4.1

COMcheck Software Version COMcheckWeb
Mechanical Compliance Certificate

Project Information
 Energy Code: 90.1 (2019) Standard
 Project Title: McKinley Hall - Heart House
 Location: Springfield, Ohio
 Climate Zone: 5A
 Project Type: Alteration

Construction Site: 1911 E. High St, Springfield, Ohio 45506
 Owner/Agent: Designer/Contractor: Em Engineering Group
 635 E. North Broadway St, Columbus, Ohio 430214
 614-225-1580

Mechanical Systems List

Quantity System Type & Description
 8 HVAC System
 Heating: 1 each - Central Furnace, Gas, Capacity = 100 kBtu/h
 Proposed Efficiency = 92.10% Et, Required Efficiency = 80.00% Et (or 80% AFUE)
 Cooling: 1 each - Split System, Capacity = 48 kBtu/h, Air-Cooled Condenser
 Proposed Efficiency = 13.40 SEER, Required Efficiency = 13.40 SEER
 Proposed Part Load Efficiency = 0.00, Required Part Load Efficiency = 0.00
 Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) - Pases
 Fans:
 FAN 1 Supply, Constant Volume, 1600 CFM, 1.0 motor nameplate hp, 80.00 fan energy index
 SYSTEM COMPLIANCE REQUIREMENT UNKNOWN
 Alteration details have not been specified

1 HVAC System
 VRF Condensing Unit, Air Cooled Heat Pump
 Heating Mode Capacity = 29 kBtu/h
 Proposed Efficiency = 12.00 HSPF, Required Efficiency = 7.70 HSPF
 Cooling Mode Capacity = 24 kBtu/h
 Proposed Efficiency = 21.50 SEER, Required Efficiency = 13.00 SEER
 Proposed Part Load Efficiency = 0.00, Required Part Load Efficiency = 0.00
 Fan System: None
 SYSTEM COMPLIANCE REQUIREMENT UNKNOWN
 Alteration details have not been specified

1 HVAC System
 Cooling: 1 each - VRF Zone Fan Unit, Capacity = 24 kBtu/h
 No minimum efficiency requirement applies
 Fan System: FAN SYSTEM 2 - Compliance (Motor nameplate HP and fan efficiency method) - Pases
 Fans:
 FAN 2 Supply, Constant Volume, 600 CFM, 1.0 motor nameplate hp, 80.00 fan energy index
 SYSTEM VERIFICATION REQUIRED.

Project Title: McKinley Hall - Heart House Report date: 03/21/24
 Data filename: Page 1 of 10

Mechanical Compliance Statement

The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2019) standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

JOHN S. ESCHENBRENNER P.E. 04/03/2024
 Name - Title Signature Date

| Section # & Req. ID | Plan Review | Complies? | Comments/Assumptions |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 4.2.2, 6.4.4.1.1, 6.4.4.2.1, 6.7.2 (PR2) | Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and documents where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 4.2.2, 6.4.4.1.1, 6.4.4.2.1, 6.7.2 (PR6) | Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder conductors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 4.2.5.2 (PR5) | Commissioning shall be performed as stated in Sections 5.9.2, 6.9.2, 7.9.2, 8.9.2, 9.9.2, 10.9.2, 11.2.6, and 13.2.1(c). Commissioning must utilize ASHRAES Standard 202 or other generally accepted engineering standards acceptable to the building official. FFT and verification requirements for commissioning are as stated in Section 4.2.5.1. Commissioning shall document compliance of the building systems, controls, and building envelope with required provisions of this standard. Commissioning requirements shall be incorporated into the construction documents. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

COMcheck Software Version COMcheckWeb
Inspection Checklist

Energy Code: 90.1 (2019) Standard
 Requirements: 100.0% were addressed directly in the COMcheck software
 Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

| Section # & Req. ID | Plan Review | Complies? | Comments/Assumptions |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 4.2.2, 6.4.4.1.1, 6.4.4.2.1, 6.7.2 (PR2) | Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and documents where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 4.2.2, 6.4.4.1.1, 6.4.4.2.1, 6.7.2 (PR6) | Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder conductors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 4.2.5.2 (PR5) | Commissioning shall be performed as stated in Sections 5.9.2, 6.9.2, 7.9.2, 8.9.2, 9.9.2, 10.9.2, 11.2.6, and 13.2.1(c). Commissioning must utilize ASHRAES Standard 202 or other generally accepted engineering standards acceptable to the building official. FFT and verification requirements for commissioning are as stated in Section 4.2.5.1. Commissioning shall document compliance of the building systems, controls, and building envelope with required provisions of this standard. Commissioning requirements shall be incorporated into the construction documents. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: McKinley Hall - Heart House Report date: 03/21/24
 Data filename: Page 3 of 10

| Section # & Req. ID | Footing / Foundation Inspection | Complies? | Comments/Assumptions |
|---------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 6.4.3.7 (FO7) | Freeze protection and snow/ice melting system sensors for future connection to controls. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Exception: Requirement does not apply. |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: McKinley Hall - Heart House Report date: 03/21/24
 Data filename: Page 4 of 10

| Section # & Req. ID | Mechanical Rough-In Inspection | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| 6.4.1.4, 6.4.1.5 (ME1) | HVAC equipment efficiency verified. Non-MECA HVAC equipment labeled at meeting 90.1. | Efficiency: _____ | Efficiency: _____ | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | See the Mechanical Systems list for values. |
| 6.4.3.4.1 (ME3) | Stair and elevator shaft vents have motorized dampers that automatically close. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Exception: Requirement does not apply. |
| 6.4.3.4.2, 6.4.3.4.3 (ME4) | Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.3.4.5 (ME5) | Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Exception: Requirement does not apply. |
| 6.4.3.4.4 (ME5) | Ventilation fans >0.75 hp have automatic controls to shut off fan when not required. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.3.8 (ME6) | Demand control ventilation provided for spaces >500 ft ² and >25 people/1000 ft ² occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.3.2.1 (ME407) | DX cooling systems = 75 kBtu/h (>= 65 kBtu/h effective 12/01/18) and chilled-water and evaporative cooling fan motor hp = % designed to vary supply fan airflow as a function of load and comply with operational requirements. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. See the Mechanical Systems list for values. |
| 6.4.4.1.1 (ME7) | Insulation exposed to weather protected from damage. Insulation outside of the conditioned space and associated with cooling systems is vapor retardant. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.4.1.2 (ME8) | HVAC ducts and plenums insulated per Table 6.8.2. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection. | R: _____ | R: _____ | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.4.1.3 (ME9) | HVAC piping insulation thickness. Where piping is installed in or under a slab, verification may need to occur during Foundation Inspection. | _____ in. | _____ in. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: McKinley Hall - Heart House Report date: 03/21/24
 Data filename: Page 5 of 10

| Section # & Req. ID | Mechanical Rough-In Inspection | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 6.4.1.4 (ME41) | Thermally ineffective panel surfaces of assembly heating panels have insulation = R-3.5. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.4.2.1 (ME10) | Ducts and plenums having pressure class ratings are Seal Class A construction. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.8.1.15, 6.8.1.16 (ME110) | Electrically operated DX-DOAS units meet requirements per Tables 6.8.1.15 or 6.8.1.16. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.4.2.2 (ME11) | Ductwork operating >3 in. water column requires air leakage testing. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.2.3 (ME19) | Dehumidification controls provided to prevent reheating, recirculating, mixing of hot and cold airstreams or concurrent heating and cooling of the same airstream. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.2.4.1 (ME68) | Humidifiers with airstream mounted preheating jackets have preheat auto-shutoff valve set to activate when humidification is not required. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.2.4.2 (ME69) | Humidification system dispersion tube hot surfaces in the airstreams of ducts or air-handling units insulated = R-0.5. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.2.5 (ME70) | Preheat coils controlled to stop heat output whenever mechanical cooling, including economizer operation, is active. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.2.6 (ME104) | Units that provide ventilation air to multiple zones and operate in conjunction with zone heating and cooling systems are prevented from using heating or heat recovery to warm supply air above 60°F when representative building loads or outdoor air temperature indicate that most zones demand cooling. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.4.3 (ME107) | Chilled-water cooling coils provide a 1°F or higher temperature difference between leaving and entering water temperatures and a minimum of 2°F leaving water temperature at design conditions. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: McKinley Hall - Heart House Report date: 03/21/24
 Data filename: Page 6 of 10

| Section # & Req. ID | Mechanical Rough-In Inspection | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 6.5.3.6 (ME72) | Motors for fans = 1/2 hp and < 1 hp are electronically commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.3.4 (ME108) | Parallel-flow fan powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Exception: Requirement does not apply. |
| 6.5.3.7 (ME109) | Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided = 15% of the required minimum outdoor air rate; b) dampers, ductwork, and controls allow the system to supply = the required minimum outdoor air rate with a single set-point adjustment; or c) system includes exhaust air energy recovery complying with Section 6.5.6.1. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.3.3 (ME62) | Multiple zone VAV systems with DDC or individual zone boxes have static pressure setpoint reset controls. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | See the Mechanical Systems list for values. |
| 6.5.4.2 (ME25) | HVAC pumping systems with >= 3 control valves designed for variable fluid flow (see section details). | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.7.1 (ME100) | Conditioned supply air to space with mechanical exhaust = the greater of criteria of supply flow, required ventilation rate, exhaust flow minus the available transfer air (see section details). | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.7.2.1 (ME32) | Kitchen hoods >5,000 cfm have make up air = >50% of exhaust air volume. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: McKinley Hall - Heart House Report date: 03/21/24
 Data filename: Page 7 of 10

| Section # & Req. ID | Mechanical Rough-In Inspection | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 6.5.7.4 (ME49) | Approved field test used to evaluate design air flow rates and demonstrate proper capture and containment of kitchen exhaust systems. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.8.1 (ME34) | Unenclosed spaces that are heated use only radiant heat. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 4.5.9 (ME35) | Hot gas bypass limited to: = 240 kBtu/h - 15% = 240 kBtu/h - 10% | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.3.9 (ME63) | Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperature < 45°F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint = 60°F and cooling setpoint = 80°F. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.5.1.0 (ME73) | Doors separating conditioned space from the outdoors have controls that disallow/retard heating and cooling system when open. | | | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: McKinley Hall - Heart House Report date: 03/21/24
 Data filename: Page 8 of 10

| Section # & Req. ID | Rough-In Electrical Inspection | Complies? | Comments/Assumptions |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 8.4.2 (EL10) | At least 50% of all 125 volt 15- and 20-amp receptacles are controlled by an automatic control device. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| 8.4.3 (EL11) | New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately, in buildings with a digital control system the energy use is transmitted to a control system and displayed graphically. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| 10.4.1 (EL9) | Electric motors meet requirements where applicable. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: McKinley Hall - Heart House Report date: 03/21/24
 Data filename: Page 9 of 10

| Section # & Req. ID | Final Inspection | Complies? | Comments/Assumptions |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 6.4.3.1.2 (F13) | Thermostatic controls have a 5 'F deadband. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.3.2 (F10) | Temperature controls have setback or overlap restrictions. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.3.3.1 (F12) | HVAC systems equipped with at least one automatic shutdown control. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.3.3.2 (F12) | Setback controls allow automatic reset and temporary operation as required for maintenance. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.3.5 (F15) | Heat pump controls prevent supplemental electric resistance heat from coming on when not needed. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.4.3.6 (F16) | When humidification and dehumidification are provided to a zone, simultaneous operation is prohibited. Humidity control prohibits the use of fossil fuel or electricity to produce RH > 30% in the warmest zone humidified and RH < 60% in the coldest zone dehumidified. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.7.2.1 (F17) | Furnished HVAC as-built drawings submitted within 90 days of system acceptance. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.7.2.2 (F18) | Furnished O&M manuals for HVAC systems within 90 days of system acceptance. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 6.7.2.3 (F19) | An air and/or hydronic system balancing report is provided for HVAC systems serving zones >5,000 ft ² of conditioned area. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 10.4.3 (F24) | Elevators are designed with the proper lighting, ventilation power, and standby mode. | <input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: McKinley Hall - Heart House Report date: 03/21/24
 Data filename: Page 10 of 10



It is a violation of the law for any person, unless acting under the direction of a registered engineer, to offer these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

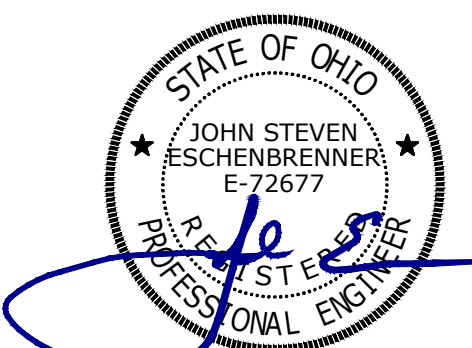
© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
 DESIGN BY: DMC

McCall SHARP
 ARCHITECTURE
 SPRINGFIELD OFFICE, SUITE 201
 14 EAST MAIN STREET, OHIO 45502
 P: (937)323-4300
 F: (937)322-8142

Heart House Renovation
 FOR
 McKinley Hall
 1911 East High Street Springfield, Ohio 45505

| DATE | REVISION | DATE | DESCRIPTION |
|----------------|----------|------|-------------|
| April 03, 2024 | | | |



April 03, 2024
 HVAC ENERGY COMPLIANCE

H5.0

ELECTRICAL GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND LANDLORD'S DESIGN CRITERIA.
- ALL ELECTRICAL EQUIPMENT SHALL BE REMOVED FROM STRUCTURE. ACCESSIBLE RACEWAYS, WIRES, BOXES, SWITCHES AND OTHER ELECTRICAL ITEMS ASSOCIATED WITH THIS WORK SHALL BE REMOVED IF NOT REQUIRED FOR NEW EQUIPMENT TO CONTINUE IN SERVICE.
- MODIFY AND REROUTE EXISTING WIRING AS REQUIRED TO ACCOMPLISH INDICATED WORK AND CONTINUE SERVICE TO LOADS BEYOND WORK AND CONTINUE SERVICE LOADS BEYOND AREA IN WHICH WORK IS DONE.
- WIRE SIZE SHALL BE #12 THHN/THWN UNLESS OTHERWISE NOTED ON PLANS. ALL CONDUCTORS #6 AND LARGER SHALL BE THHN/THWN.
- ALL CONDUCTORS SHALL BE COPPER.
- ALL CONDUCTORS SHALL BE RUN IN CONDUIT (EMT OR RIGID) WHERE EXPOSED. MC CABLE IS ALLOWABLE IN CONCEALED AREAS ONLY (ABOVE CEILINGS OR WITHIN WALLS). FLEXIBLE CONDUIT MAY ONLY BE USED FOR FINAL CONNECTIONS FROM OUTLET BOXES TO LIGHT FIXTURES, MOTORS, APPLIANCES, ETC., MAX. LENGTH 6'-0"
- ALL MATERIALS SHALL BE U.L. APPROVED.
- ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED.
- ALL NON-POWER RELATED WIRING IN CEILING AIR CONDITIONING PLENUM RUNNING WITHOUT CONDUIT SHALL BE TEFLON COATED CLASSIFIED FOR USE IN PLENUMS.
- SEE ARCHITECTURAL DRAWINGS FOR INFORMATION CONCERNING EXISTING CONDITIONS AND NEW WORK.
- ALL WIRING DEVICES SHALL BE 20A RATED, COMMERCIAL GRADE TYPE. DEVICE COLORS AND PLATE COLORS TO BE DETERMINED BY ARCHITECT PRIOR TO PURCHASE AND INSTALLATION.
- ALL CONDUITS, CABINETS, PANELS AND OTHER EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. 250 AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
- ALL LUMINARIES SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH THE CEILING SYSTEM MANUFACTURER RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS.
- THIS DRAWING IS A GUIDE FOR THE INSTALLATION OF ELECTRICAL SERVICE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A FUNCTIONING SYSTEM.
- ALL CABLES SHALL BE RUN WITHOUT SPLICES EXCEPT WHERE OTHERWISE INDICATED.
- ALL PULL AND JUNCTION BOXES SHALL BE ACCESSIBLE AT ALL TIMES.
- EXACT POINT METHOD OF CONNECTION SHALL BE DETERMINED IN FIELD.
- ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER.
- ALL RACEWAY ROUTED, INSULATED CONDUCTORS SYSTEM SHALL BE COLOR CODED AS FOLLOWS:
120/240V SYSTEM
PHASE "A" BLACK
PHASE "B" RED
NEUTRAL WHITE
GROUND GREEN
- CONTRACTOR REQUIRED TO CHECK ALL EXISTING WIRING, DEVICES, SPLICES, ETC. FOR ANY DAMAGE PRIOR TO BID. PROVIDE ANY ADDITIONAL COSTS OF REPAIRING DAMAGED EQUIPMENT IN BID.

ALL ELECTRICAL OUTLETS ON THE INTERIOR AND EXTERIOR OF THE BUILDING ARE TO BE TAMPER RESISTANT TYPE.

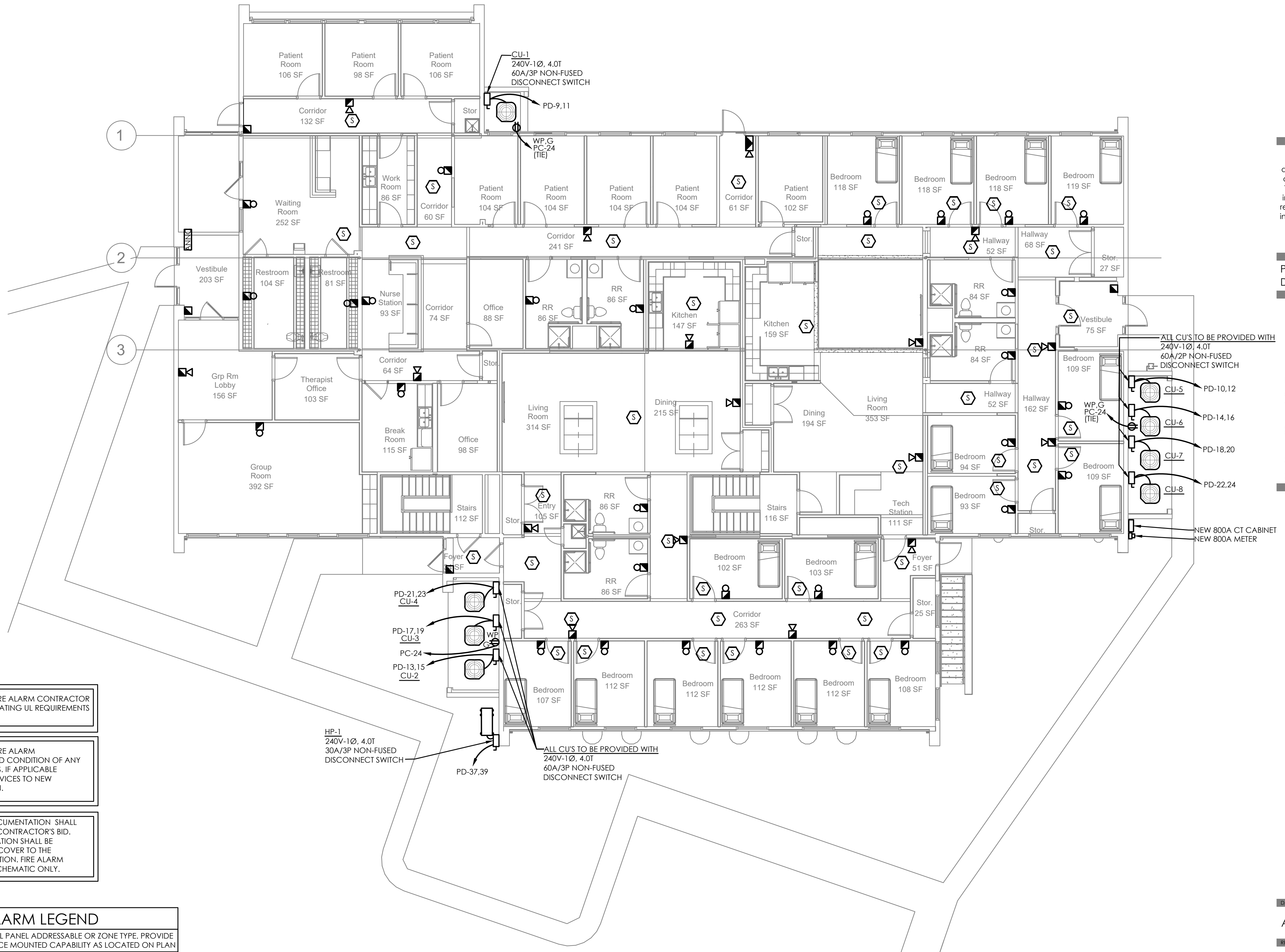
E.C. TO COORDINATE WITH FIRE ALARM CONTRACTOR AND LOCAL CODE ALL FIRE RATING UL REQUIREMENTS PRIOR TO ROUGH-IN.

E.C. TO COORDINATE WITH FIRE ALARM CONTRACTOR THE RE-USE AND CONDITION OF ANY EXISTING FIRE ALARM DEVICES. IF APPLICABLE RELOCATE ANY RE-USABLE DEVICES TO NEW LOCATIONS SHOWN ON PLAN.

FIRE ALARM SYSTEM AND DOCUMENTATION SHALL BE INCLUDED IN ELECTRICAL CONTRACTOR'S BID. ALL FIRE ALARM DOCUMENTATION SHALL BE SUBMITTED UNDER SEPARATE COVER TO THE AUTHORITY HAVING JURISDICTION. FIRE ALARM DEVICES SHOWN HERE ARE SCHEMATIC ONLY.

| ELECTRICAL SYMBOL LEGEND | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 120V-20A DUPLEX RECEPTACLE, STRAIGHT BLADE MOUNTED AT 18" A.F.F. UNLESS OTHERWISE NOTED - TAMPER RESISTANT |
| | SURFACE MOUNTED PANELBOARD |
| | NON-FUSED DISCONNECT SWITCH |
| | JUNCTION BOX CONNECTION FOR EQUIPMENT. E.C. SHALL CONFIRM EXACT CONNECTION REQUIREMENTS, I.E. DIRECT CONNECTION, STRAIGHT BLADE, OR TWISTLOCK RECEPTACLE FOR ALL EQUIPMENT |
| | TELE/DATA OUTLET MOUNTED AT 18" A.F.F. UNLESS OTHERWISE NOTED, PROVIDE 3/4" CONDUIT AND/OR PULL STRING TO ACCESSIBLE CEILING OR AREA AS REQUIRED |
| | CATV OUTLET MOUNTED AT 18" A.F.F. UNLESS OTHERWISE NOTED, PROVIDE 3/4" WITH PULLSTRING TO ACCESSIBLE CEILING OR AREA AS REQUIRED |
| | 120/277V - 20A SINGLE POLE TOGGLE SWITCH MOUNTED AT 48" A.F.F. TO CENTER OF SWITCH |
| | 120/277V - 20A THREE WAY TOGGLE SWITCH MOUNTED AT 48" A.F.F. TO CENTER OF SWITCH |
| | 120V LED, 1500 WATT, SLIDE TO OFF STYLE DIMMER |
| | 120V-20A WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, MINIMUM 1/8 HP RATED, AND 800VA OVERALL RATING. SWITCH MOUNTED AT 48" A.F.F. TO CENTER OF SWITCH. LEVITON OSSMT-MD OR EQUAL |
| | CEILING MOUNTED OCCUPANCY SENSOR, LEVITON #OSC20-MOW OR EQUAL DO NOT LOCATE WITHIN 3' OF SUPPLY OR RETURN AIR DIFFUSER |
| | OCCUPANCY SENSOR POWER PACK, LEVITON #OSP20-ODO |
| | WEATHERPROOF BOX, WEATHER RESISTANT DEVICE |

| FIRE ALARM LEGEND | |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | FIRE ALARM CONTROL PANEL ADDRESSABLE OR ZONE TYPE. PROVIDE CABINET WITH SURFACE MOUNTED CAPABILITY AS LOCATED ON PLAN |
| | ANNUNCIATOR |
| | FIRE ALARM RELAY |
| | MONITORING POINT FOR TAMPER SWITCH |
| | MONITORING POINT FOR FLOW SWITCH |
| | 3200 SERIES KNOX BOX |
| | CEILING MOUNTED SMOKE DETECTOR |
| | HORN/SSTROBE NOTIFICATION DEVICE, WALL MOUNT AT 80" A.F.F. COLOR SHALL BE RED. SURFACE MOUNTED RACEWAY AND BOXES WILL BE REQUIRED. |
| | STROBE NOTIFICATION DEVICE, WALL MOUNT AT 80" A.F.F. COLOR SHALL BE RED. SURFACE MOUNTED RACEWAY AND BOXES WILL BE REQUIRED. |
| | PULL STATION DEVICE, WALL MOUNT AT 48" A.F.F. COLOR SHALL BE RED. SURFACE MOUNTED RACEWAY AND BOXES WILL BE REQUIRED. |



LEVEL 1 OVERALL - ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"



ENGINEERINGGROUP, LTD.
625 EAST NORTH BROADWAY STREET
COLUMBUS, OHIO 43214
614-225-1580
EMENGINEERINGGROUP.COM

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to offer these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

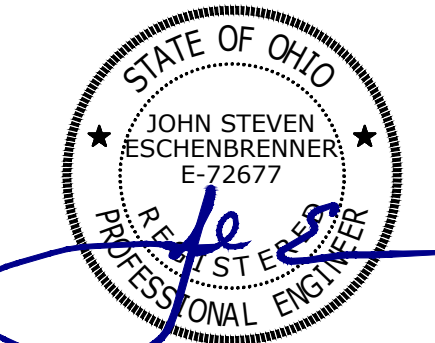
© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: KAB

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |

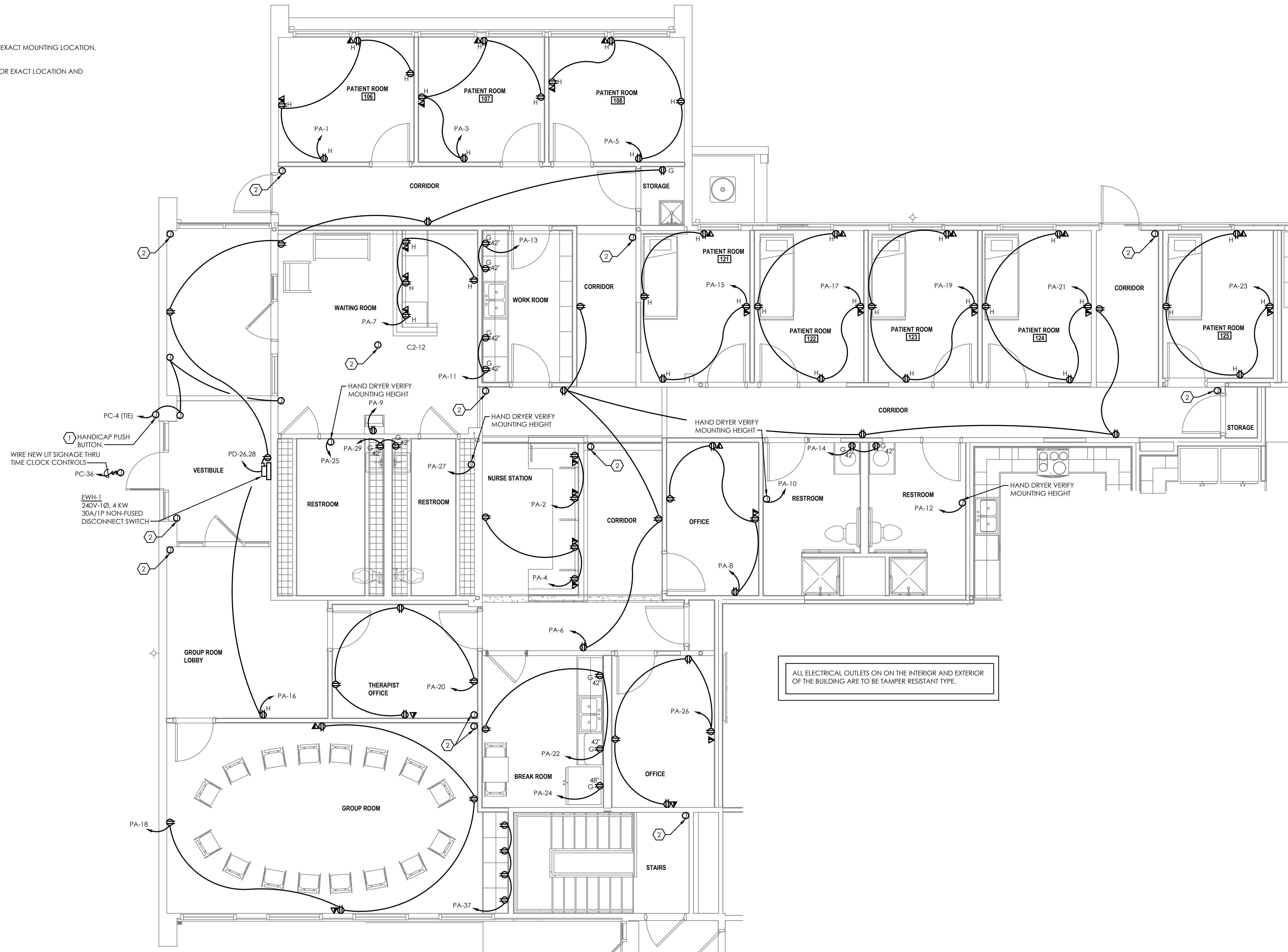


April 03, 2024
LEVEL 1 OVERALL - ELECTRICAL POWER PLAN

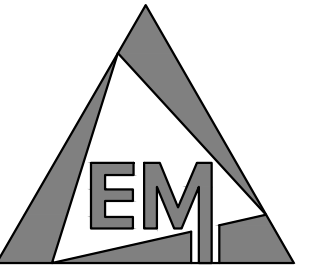
E1.0

ELECTRICAL CODED NOTES

- HANDICAP DOOR BUTTON LOCATION, E.C. TO VERIFY WITH G.C. EXACT MOUNTING LOCATION, HEIGHT AND CONTROLS PRIOR TO ROUGH-IN.
- CAMERA LOCATION, E.C. TO COORDINATE WITH SECURITY VENDOR EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH IN.



ENLARGED CLINIC - ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"



ENGINEERING GROUP, LTD.
625 EAST NORTH BROADWAY STREET
COLUMBUS, OHIO 43214
614-225-1580
EMENGINEERINGGROUP.COM

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: KAB

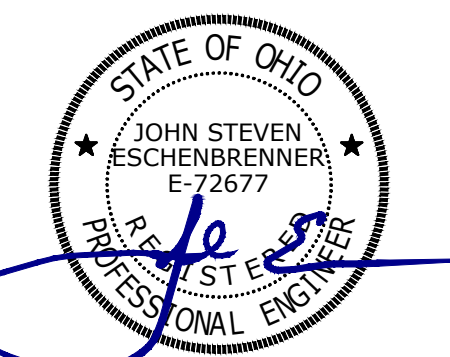
McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation

FOR
McKinley Hall

1911 East High Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |



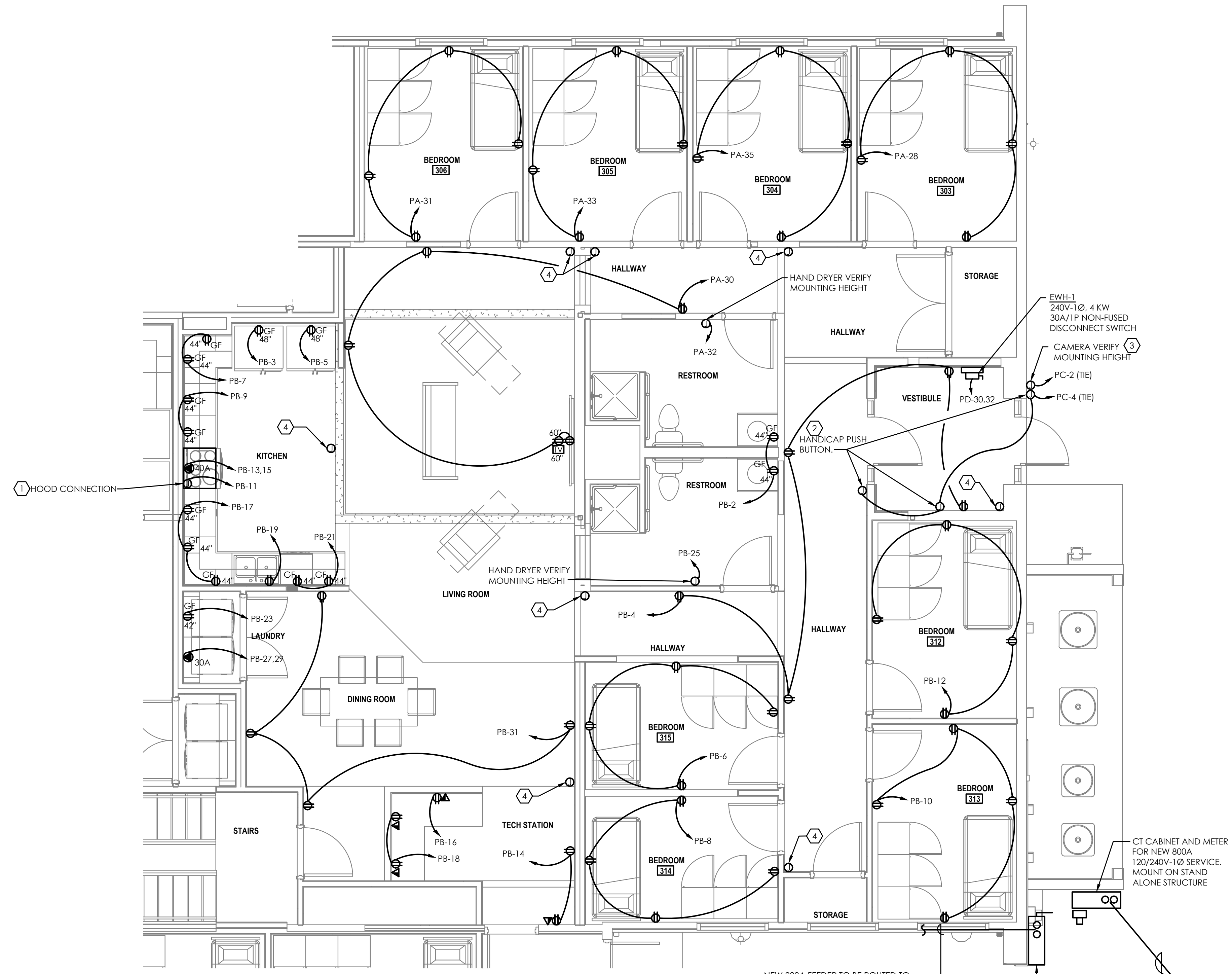
April 03, 2024

ENLARGED CLINIC - ELECTRICAL POWER PLAN

ELECTRICAL CODED NOTES

- KEF-1 HOOD CONNECTION, E.C. COORDINATE WITH HVAC AND HOOD MANUFACTURE EXACT WIRING, CONNECTION AND BREAKER REQUIREMENTS PRIOR TO ROUGH-IN.
- HANDICAP DOOR BUTTON LOCATION, E.C. TO VERIFY WITH G.C. EXACT MOUNTING LOCATION, HEIGHT AND CONTROLS PRIOR TO ROUGH-IN.
- CAMERA/INTERCOM LOCATION AT "HOUSE" ENTRY DOORS, E.C. TO COORDINATE WITH SECURITY AND MANUFACTORY EXACT LOCATION, MOUNTING HEIGHT, AND WIRING REQUIREMENTS PRIOR TO ROUGH-IN.
- CAMERA LOCATION, E.C. TO COORDINATE WITH SECURITY VENDOR EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.

ALL ELECTRICAL OUTLETS ON THE INTERIOR AND EXTERIOR OF THE BUILDING ARE TO BE TAMPER RESISTANT TYPE.



ENLARGED HOUSE 1 - ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

NEW 800A/2P FUSED, NEMA-3R, SERVICE ENTRANCE RATED DISCONNECT SWITCH, REMOVE EXISTING METERING EQUIPMENT

EXISTING UTILITY COMPANY PAD MOUNTED TRANSFORMER TO BE ASSESSED BY UTILITY COMPANY FOR NEW AND EXISTING LOADS FOR APPROPRIATE SIZING. NEW SECONDARY CONDUITS TO BE INSTALLED WITH NEW CONDUCTORS AS SHOWN. DEMO AND REMOVE EXISTING 400A CONDUIT AND CONDUCTORS.

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

PROJECT NUMBER: 230149
DESIGN BY: KAB

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East Hight Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |

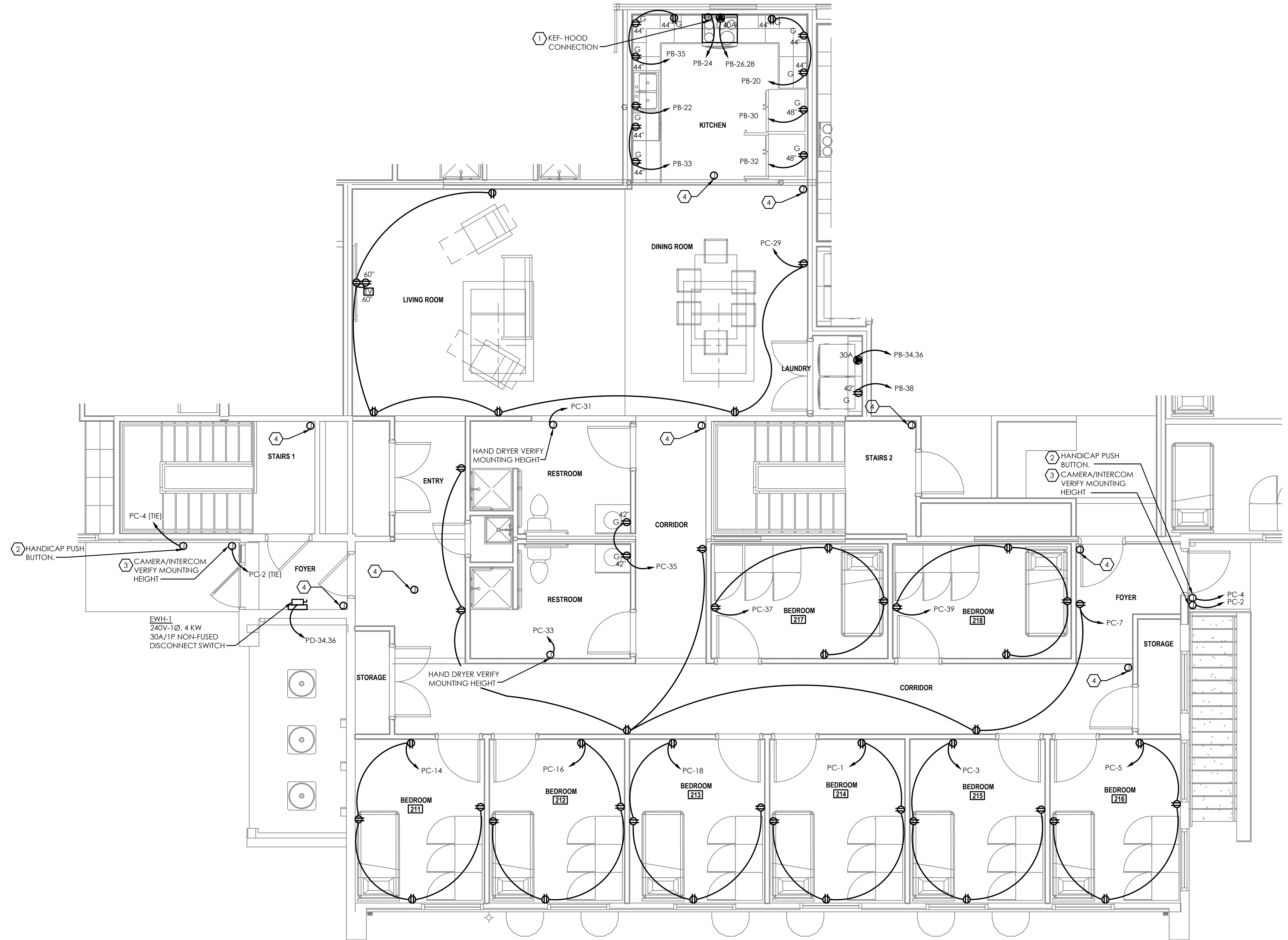
STATE OF OHIO
JOHN STEVEN
ESCHENBRENNER
E-72677
REGISTERED PROFESSIONAL ENGINEER

April 03, 2024

ENLARGED HOUSE 1 - ELECTRICAL POWER PLAN

ELECTRICAL CODED NOTES

1. KEF-1 HOOD CONNECTION. E.C. COORDINATE WITH HVAC AND HOOD MANUFACTURE EXACT WIRING, CONNECTION AND BREAKER REQUIREMENTS PRIOR TO ROUGH IN.
2. HANDICAP DOOR BUTTON LOCATION. E.C. TO VERIFY WITH G.C. EXACT MOUNTING LOCATION, HEIGHT AND CONTROLS PRIOR TO ROUGH-IN.
3. CAMERA/INTERCOM LOCATION AT "HOUSE" ENTRY DOORS. E.C. TO COORDINATE WITH SECURITY AND MANUFACTORY EXACT LOCATION, MOUNTING HEIGHT, AND WIRING REQUIREMENTS PRIOR TO ROUGH-IN.
4. CAMERA LOCATION. E.C TO COORDINATE WITH SECURITY VENDOR EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH IN.



ENLARGED HOUSE 2 - ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

ALL ELECTRICAL OUTLETS ON THE INTERIOR AND EXTERIOR OF THE BUILDING ARE TO BE TAMPER RESISTANT TYPE.

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: KAB

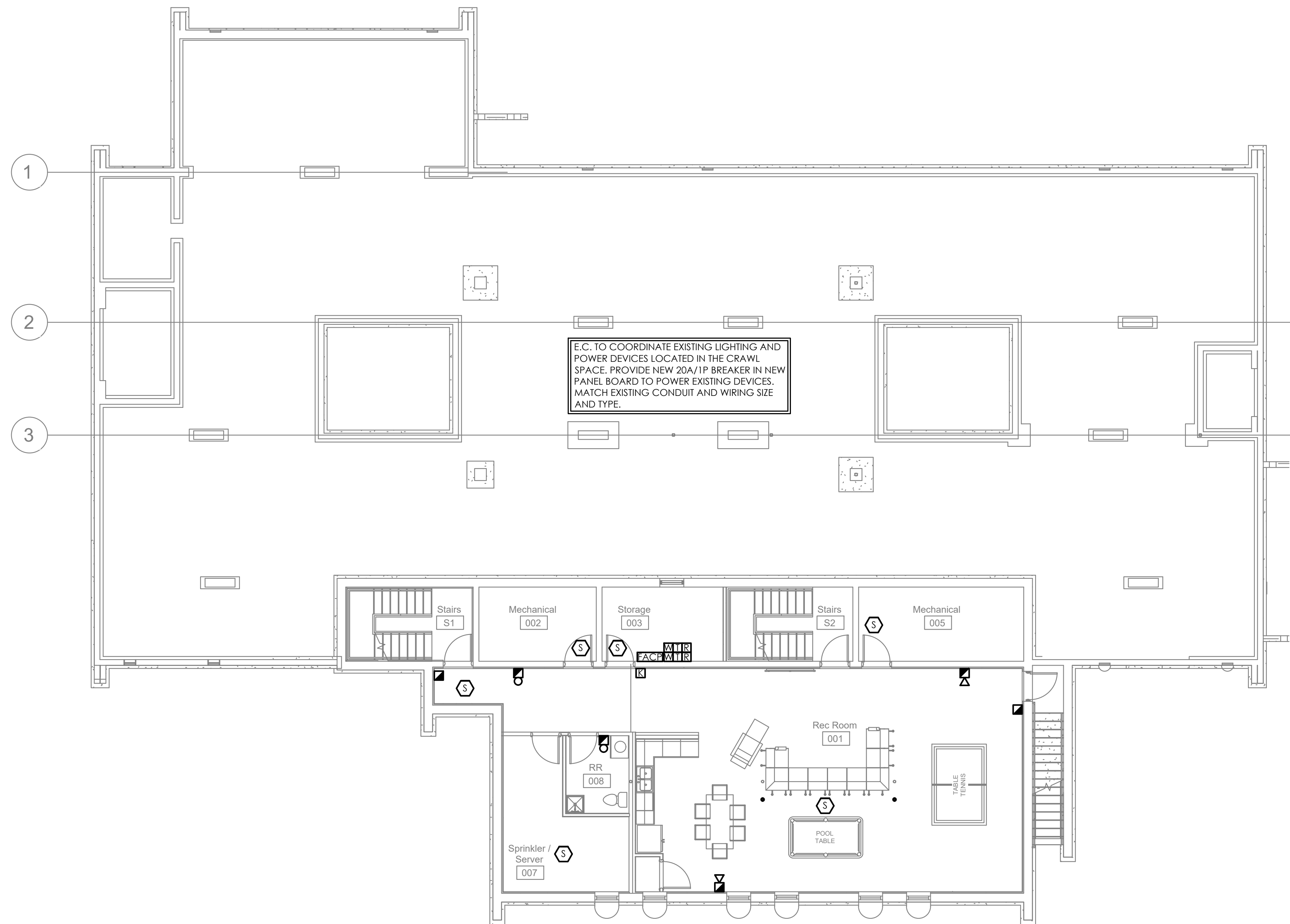
McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East Hight Street Springfield, Ohio 45505

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |

DATE: April 03, 2024

STATE OF OHIO
JOHN STEVEN ESCHENBRENNER
E-72677
REGISTERED PROFESSIONAL ENGINEER



OVERALL BASEMENT & CRAWLSPACE - ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: KAB

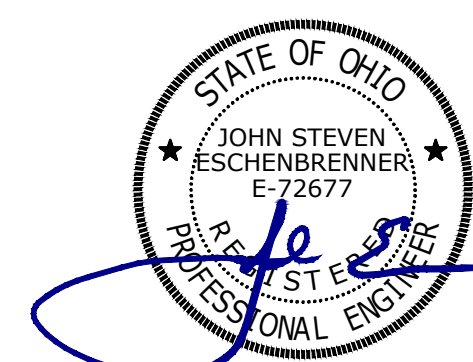
McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation

FOR
McKinley Hall

1911 East High Street Springfield, Ohio 45505

| DATE | DESCRIPTION |
|----------------|-------------|
| April 03, 2024 | |
| | |
| | |
| | |
| | |

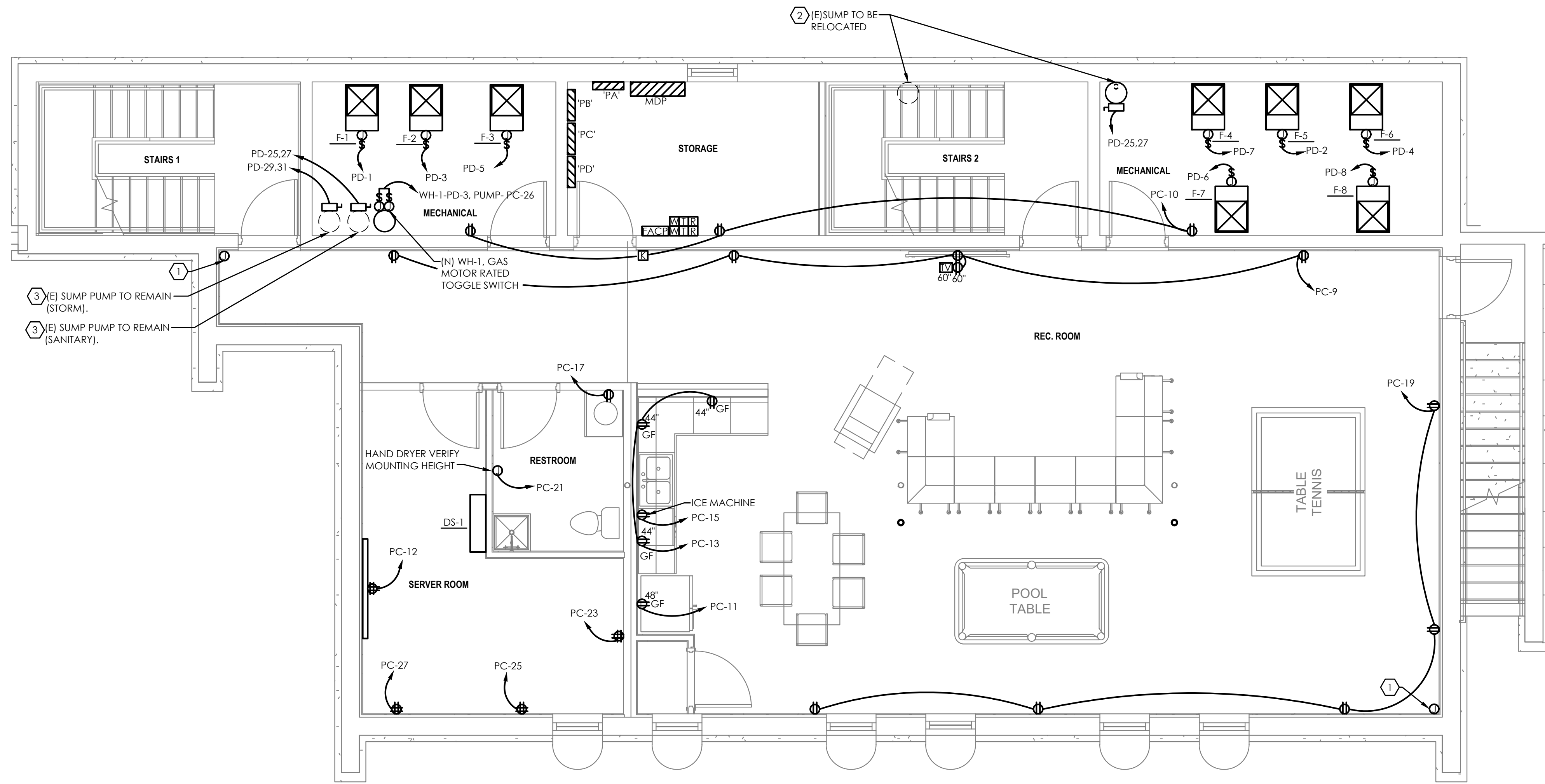


April 03, 2024

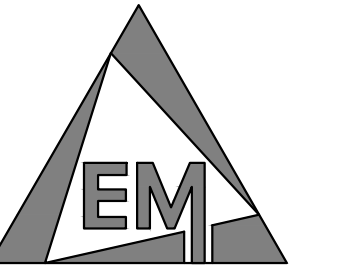
OVERALL BASEMENT & CRAWLSPACE - ELECTRICAL POWER PLAN

ELECTRICAL CODED NOTES

- CAMERA LOCATION. E.C. TO COORDINATE WITH SECURITY VENDOR EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.
- E.C. TO INTERCEPT AND EXTEND EXISTING WIRING AND CONDUIT OF EXISTING SUMP PUMP TO NEW LOCATION INDICATED. E.C. TO PROVIDE NEW BREAKER IN NEW PANEL BOARD AS INDICATED. COORDINATE EXACT REQUIREMENTS WITH G.C. AND IN FIELD PRIOR TO ROUGH-IN.
- EXISTING SUMP PUMP TO REMAIN. E.C. TO CONNECT EXISTING SUMP PUMP CIRCUIT TO NEW PANEL AND BREAKER INDICATED. INTERCEPT AND EXTEND WIRING AND CONDUIT AS REQUIRED. COORDINATE WITH G.C. AND IN FIELD PRIOR TO ROUGH-IN.



ENLARGED BASEMENT - ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"



ENGINEERING GROUP, LTD.
625 EAST NORTH BROADWAY STREET
COLUMBUS, OHIO 43214
614-225-1580
EMENGINEERINGGROUP.COM

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: KAB

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation

FOR
McKinley Hall

1911 East High Street Springfield, Ohio 45505

| DATE | DESCRIPTION |
|----------------|-------------|
| April 03, 2024 | |
| | |
| | |
| | |
| | |



April 03, 2024

ENLARGED BASEMENT - ELECTRICAL POWER PLAN

E1.5

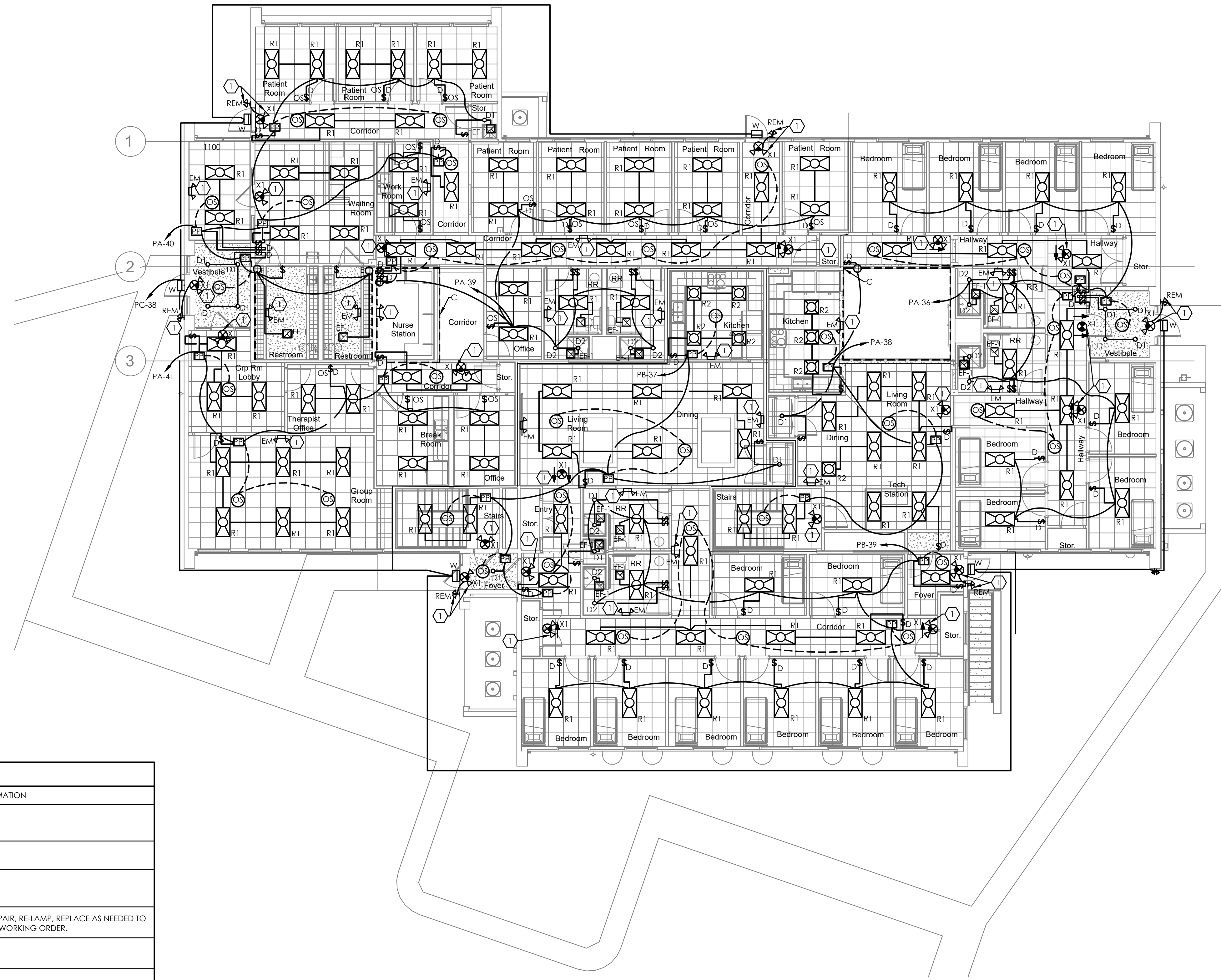
ELECTRICAL CODED NOTES

- E.C. SHALL WIRE ALL EXIT/EMERGENCY LIGHTING AHEAD OF LOCAL AND AUTOMATIC LIGHTING CONTROLS.

E.C. TO COORDINATE ALL EXISTING EXTERIOR AND SITE LIGHTING WITH G.C. AND OWNER. E.C. TO INTERCEPT AND EXTEND ALL WIRING AND CONDUITS AND PROVIDE NEW BREAKERS IN THE NEW PANEL BOARDS. MATCH EXISTING WIRING, CONDUIT, AND BREAKER TYPE, SIZE AND RATING, PER ALL LOCAL CODES AND REGULATIONS.

ALL CLINIC LIGHTING WIRING SHALL BE HOSPITAL GRADE CABLING PER NEC AND LOCAL CODE REQUIREMENTS. COORDINATE WITH G.C. AND LOCAL ALL REQUIREMENTS PRIOR TO ROUGH-IN.

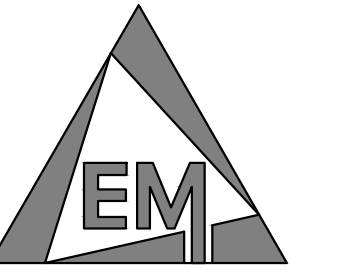
E.C. TO COORDINATE WITH G.C. AND ARCHITECT ALL LIGHT FIXTURE DIMMING AND CONTROL REQUIREMENTS PRIOR TO ROUGH-IN. E.C. TO PROVIDE AND INSTALL ALL LOW VOLTAGE DAISY CHAIN WIRING FOR LIGHT FIXTURE DIMMING.



| LIGHT FIXTURE SCHEDULE | | | | | |
|------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------|----------|---------|--------------------------------------------------------------------------------------|
| FIXTURE ID | DESCRIPTION | LAMP TYPE | LAMP QTY | VOLTAGE | ADDITIONAL INFORMATION |
| C | LED COVE LIGHTING, 0-10V DIMMING TO BE SELECTED BY OWNER | 3WATT MAX PER/LF, LED | 1 | 120 | |
| D1 | RECESSED CAN LIGHT, 0-10V DIMMING TO BE SELECTED BY OWNER | 25WATT MAX LED | 1 | 120 | |
| D2 | RECESSED CAN LIGHT, 0-10V DIMMING, WET LOCATION RATED TO BE SELECTED BY OWNER | 25WATT MAX LED | 1 | 120 | |
| E | EXISTING RESTROOM LIGHTING | 50WATT MAX LED | 1 | 120 | E.C. TO CLEAN, REPAIR, RE-LAMP, REPLACE AS NEEDED TO INSURE IN PROPER WORKING ORDER. |
| R1 | RECESSED 2'X4' LAY-IN LED TROFFER, 0-10V DIMMING TO BE SELECTED BY OWNER | 44 WATT MAX LED | 1 | 120 | |
| R2 | SURFACE MOUNTED 2'X2' LAY-IN LED TROFFER, 0-10V DIMMING TO BE SELECTED BY OWNER | 38 WATT MAX LED | 1 | 120 | |
| R3 | SURFACE MOUNTED 1'X4' LED TROFFER, 0-10V DIMMING TO BE SELECTED BY OWNER | 33 WATT MAX LED | 1 | 120 | |
| W | EXTERIOR WALL PACK, LED, WET LOCATION RATED TO BE SELECTED BY OWNER | 30 WATT MAX LED | 1 | 120 | |
| X1 | EXIT LIGHT WITH RIGHT AND LEFT ARROWS OUTPUT-90 MINUTE EMERGENCY BATTERY BACK-UP LITHONIA CAT# LHQS-W-R-120/277 | LED | | 120 | WHITE POLYCARBONATE HOUSING |
| EM | DUAL HEAD EMERGENCY LIGHT WITH 90 MINUTE EMERGENCY BATTERY BACK-UP LITHONIA CAT# ELM2 LED | 1.5W LED | 2 INC | 120 | WHITE POLYCARBONATE HOUSING |
| REM | EXTERIOR WEATHERPROOF REMOTE HEAD LITHONIA CAT# ELA T Q | 1.5W LED | 2 INC | 120 | WHITE POLYCARBONATE HOUSING |

E.C. TO COORDINATE ALL LIGHTING TYPES, COLORS, COLOR TEMPERATURE, AND CONTROLS WITH ARCHITECT AND OWNER PRIOR TO BID AND ORDERING. COORDINATE WITH ARCHITECT ON REQUIREMENTS OF SHOP DRAWING SUBMITTAL AND REVIEW.

LEVEL 1 OVERALL - ELECTRICAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"



ENGINEERING GROUP, LTD.
625 EAST NORTH BROADWAY STREET
COLUMBUS, OHIO 43214
614-225-1580
EMENGINEERINGGROUP.COM

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: KAB

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, OHIO 45502
P: (937)323-4300
F: (937)322-8142

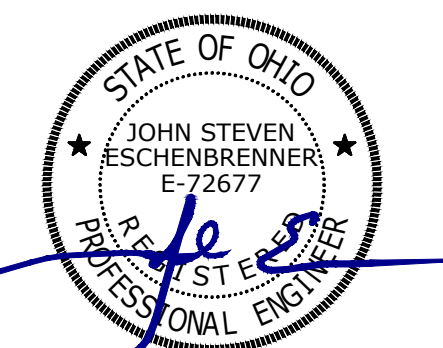
Heart House Renovation

FOR
McKinley Hall

1911 East High Street Springfield, Ohio 45505

DATE
April 03, 2024

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |



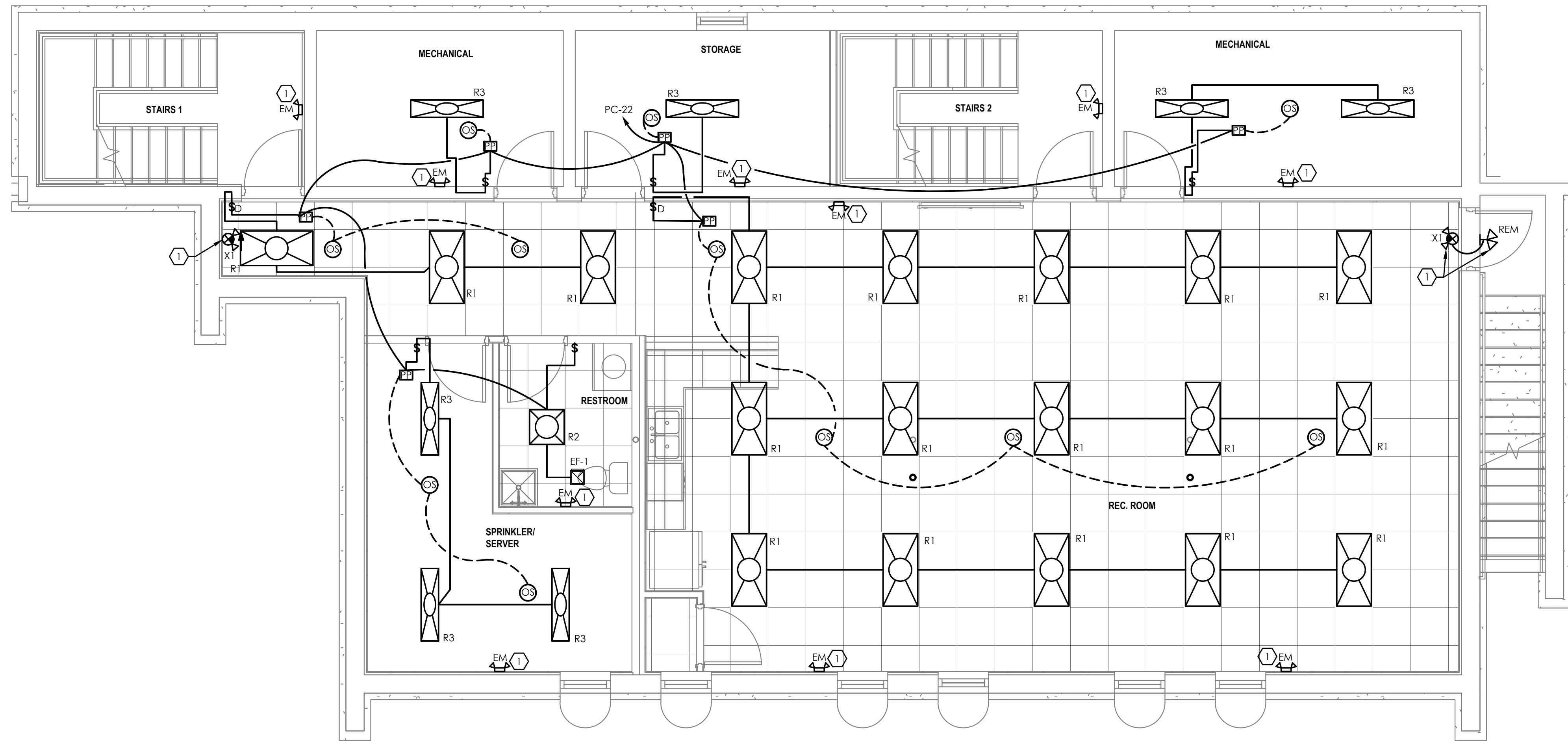
April 03, 2024

LEVEL 1 OVERALL - ELECTRICAL
POWER PLAN

E2.0

ELECTRICAL CODED NOTES

- E.C. SHALL WIRE ALL EXIT/EM EMERGENCY LIGHTING AHEAD OF LOCAL AND AUTOMATIC LIGHTING CONTROLS.



ENLARGED BASEMENT - ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information
Energy Code: 90.1 (2019) Standard
Project Title: McKinley Hall 230149
Project Type: New Construction

Construction Site: 1911 East High Street, Springfield, Ohio 45505
Owner/Agent: Designer/Contractor:

| Area Category | B Floor Area (ft ²) | C Allowed Watts / ft ² | D Allowed Watts |
|-------------------------------|---------------------------------|-----------------------------------|-----------------|
| 1-clinic (Health Care-Clinic) | 3839 | 0.81 | 3110 |
| 2-residence area (Dormitory) | 7920 | 0.53 | 4188 |
| Total Allowed Watts = 7307 | | | |

| Fixture ID - Description / Lamp / Wattage Per Lamp / Ballast | B Lamps/ Fixture | C # of Fixture (C X D) | D Watt. (C X D) |
|--------------------------------------------------------------|------------------|------------------------|-----------------|
| 1-clinic (Health Care-Clinic) | | | |
| LED: C: COVE LIGHTING: Other: | 1 | 1 | 200 |
| LED: D1: CAN LIGHT: LED A Lamp 25W: | 1 | 5 | 125 |
| LED: E: EXISTING RESTROOM LIGHT: LED Other Fixture Unit 50W: | 1 | 2 | 50 |
| LED: R1: 2X4 TROFFER: LED Panel 44W: | 1 | 55 | 2420 |
| 2-residence area (Dormitory) | | | |
| LED: C: COVE LIGHTING: Other: | 1 | 1 | 200 |
| LED: D1: CAN LIGHT: LED A Lamp 25W: | 1 | 9 | 225 |
| LED: D2: CAN LIGHT: LED A Lamp 25W: | 1 | 11 | 275 |
| LED: R1: 2X4 TROFFER: LED Panel 44W: | 1 | 67 | 2948 |
| LED: R2: 2X2 TROFFER: LED Panel 38W: | 1 | 9 | 342 |
| LED: R3: 1X4 TROFFER: LED Panel 33W: | 1 | 7 | 231 |
| Total Proposed Watts = 7066 | | | |

Interior Lighting PASSES: Design 3% better than code

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

JOHN ESCHENBRENNER P.E. 04/03/2024
Name - Title Signature Date

Project Title: McKinley Hall 230149 Report date: 04/01/24
Data filename: Page 1 of 4

COMcheck Software Version COMcheckWeb
Inspection Checklist
Energy Code: 90.1 (2019) Standard

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

| Section # & Req. ID | Plan Review | Complies? | Comments/Assumptions |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 4.2.2, 8.4.1.1, 8.4.1.2, 8.7 (R66) | Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder conductors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%. | <input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 4.2.2, 9.4.3, 9.7 (R94) | Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs, and ballasts, transformers and control devices. | <input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: McKinley Hall 230149 Report date: 04/01/24
Data filename: Page 2 of 4

| Section # & Req. ID | Rough-In Electrical Inspection | Complies? | Comments/Assumptions |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 8.4.2 (ELL0) | At least 50% of all 125 volt 15- and 20-amp receptacles are controlled by an automatic control device. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Exception: Space type is not private office, open office, or computer classroom. |
| 8.4.3 (ELL1) | New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to a control system and displayed graphically. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Exception: Buildings 25,000 ft ² . |
| 9.4.1.1 (ELL1) | Automatic control requirements prescribed in Table 9.6.1, for the appropriate space types, are installed. Mandatory lighting controls (labeled as "REQ") and optional choice controls (labeled as "ADD1" and "ADD2") are implemented. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 9.4.1.1 (ELL2) | Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 9.4.1.1F (ELL3) | Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocensors. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Exception: Requirement does not apply. |
| 9.4.1.3 (EL4) | Separate lighting control devices for specific uses installed per approved lighting plans. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 9.6.2 (EL6) | Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: McKinley Hall 230149 Report date: 04/01/24
Data filename: Page 3 of 4

| Section # & Req. ID | Final Inspection | Complies? | Comments/Assumptions |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 8.7.1 (F116) | Furnished as-built drawings for electric power systems within 30 days of system acceptance. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 8.7.2 (F117) | Furnished O&M instructions for systems and equipment to the building owner or designated representative. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |
| 9.2.2.3 (F118) | Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | See the Interior Lighting Fixture schedule for values. |
| 9.4.4 (F120) | At least 75% of all permanently installed lighting fixtures in dwelling units have ≥ 55 lm/W efficacy or a ≥ 45 lm/W total luminaire efficacy. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | Requirement will be met. |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: McKinley Hall 230149 Report date: 04/01/24
Data filename: Page 4 of 4



It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: KAB

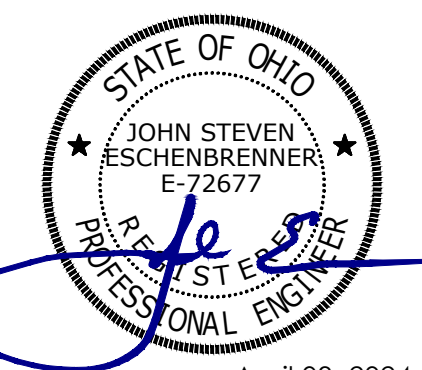
SPRINGFIELD OFFICE
14 EAST MAIN STREET, SUITE 201
SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall

1911 East High Street Springfield, Ohio 45505

DATE: April 03, 2024

| REV# | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |



April 03, 2024

ENLARGED BASEMENT - ELECTRICAL LIGHTING PLAN

E2.1

It is a violation of the law for any person, unless acting under the direction of a registered engineer, to alter these plans and specifications. This document contains proprietary information and shall not be used or reproduced, or its contents disclosed, in whole or in part, without the written consent of EM Engineering Group.

© EM Engineering Group, Ltd.

PROJECT NUMBER: 230149
DESIGN BY: KAB

McCall SHARP
ARCHITECTURE
SPRINGFIELD OFFICE, SUITE 201
14 EAST MAIN STREET, SPRINGFIELD, OHIO 45502
P: (937)323-4300
F: (937)322-8142

Heart House Renovation
FOR
McKinley Hall
1911 East High Street Springfield, Ohio 45505

| ELECTRICAL LOAD SUMMARY | | | | | | |
|-----------------------------|----------------|--------------|------------------|----------------------|-----------------------------|--------------------------|
| DESCRIPTION | CONNECTED KW | POWER FACTOR | CONNECTED DEMAND | N.E.C. CONNECTED KVA | N.E.C. DEMAND FACTOR | N.E.C. FEEDER DEMAND KVA |
| LIGHTING | 17,530 | 1.0 | 17,530 | 17,530 | 1.25 | 21,913 |
| RECEPTACLES | 58,500 | 1.0 | 58,500 | 58,500 | 1.0 + 10 KW/0.5 RMDR | 34,250 |
| MOTOR | 8,600 | 1.0 | 8,600 | 8,600 | 1.0 + 125% OF LARGEST MOTOR | 8,600 |
| FIXED ELEC. SPACE HEATING * | 23,200 | 1.0 | 23,200 | 23,200 | 1.00 | 23,200 |
| AIR CONDITIONING SYSTEM * | 58,920 | 1.0 | 58,920 | 58,920 | 1.00 | 58,920 |
| ELECTRIC WATER HEATER | 0,500 | 1.0 | 0,500 | 0,500 | 1.00 | 0,500 |
| MISCELLANEOUS | 0,000 | 1.0 | 0,000 | 0,000 | 1.00 | 0,000 |
| TOTALS: | 197,010 | | 197,010 | 197,010 | | 166,727 |

NOTES:
* USE GREATER OF THE CATEGORIES
LF - LINEAR FEET

ELECTRICAL SERVICE VOLTAGE = 240 V - 1 PHASE

NEW 800A 120/240V 1 PHASE, 3 WIRE SERVICE

| Panel ID: MDP | | | | | | | | | | | | | | |
|----------------------------------------------------------------------|-----------|----------------------------|------------------------|---------|-------------------|-----------------------|-------|-------------------|-----------------------|---------|---------|----------------------------|-----------|---------|
| Panel ID: MDP | | | Voltage: 240 / 120 | | | Panel Type: NQDD | | | Encl. Type: NEMA-1 | | | | | |
| Location: STORAGE RM | | | Phase: 1 | | | Encl. Type: NEMA-1 | | | AIC Rating: SEE RISER | | | | | |
| Mounting: SURFACE | | | Wire: 3 | | | AIC Rating: SEE RISER | | | Main Type: SEE RISER | | | | | |
| Main Type: SEE RISER | | | Bus Amperage: 800 Amps | | | | | | | | | | | |
| All phases to be balanced to within 7% using actual connected loads. | | | | | | | | | | | | | | |
| CKT NO. | WIRE SIZE | BRANCH CIRCUIT DESCRIPTION | CKT BKR | CKT BKR | N.E.C. LOAD (KVA) | ACTUAL LOAD (KVA) | PHASE | ACTUAL LOAD (KVA) | N.E.C. LOAD (KVA) | CKT BKR | CKT BKR | BRANCH CIRCUIT DESCRIPTION | WIRE SIZE | CKT NO. |
| 1 | * | PANEL 'PA' | 200/2 | | 15.270 | 15.270 | A | 23.030 | 23.030 | 200/2 | | PANEL 'PB' | * 2 | 2 |
| 3 | -- | --- | -- | | 13.850 | 13.850 | B | 23.880 | 23.880 | -- | | --- | -- 4 | 4 |
| 5 | * | PANEL 'PC' | 200/2 | | 17.500 | 17.500 | A | 43.060 | 43.060 | 400/2 | | PANEL 'PD' | * 6 | 6 |
| 7 | -- | --- | -- | | 17.860 | 17.860 | B | 42.560 | 42.560 | -- | | --- | -- 8 | 8 |
| 9 | -- | SPACE | -- | | 0.000 | 0.000 | A | 0.000 | 0.000 | -- | | SPACE | -- 10 | 10 |
| 11 | -- | SPACE | -- | | 0.000 | 0.000 | B | 0.000 | 0.000 | -- | | SPACE | -- 12 | 12 |
| 13 | -- | SPACE | -- | | 0.000 | 0.000 | A | 0.000 | 0.000 | -- | | SPACE | -- 14 | 14 |
| 15 | -- | SPACE | -- | | 0.000 | 0.000 | B | 0.000 | 0.000 | -- | | SPACE | -- 16 | 16 |
| 17 | -- | SPACE | -- | | 0.000 | 0.000 | A | 0.000 | 0.000 | -- | | SPACE | -- 18 | 18 |
| 19 | -- | SPACE | -- | | 0.000 | 0.000 | B | 0.000 | 0.000 | -- | | SPACE | -- 20 | 20 |

Actual Load Panel Summary

N.E.C. Load Panel Summary

Breaker Options (If Used):

Phase A: 98.9 KVA Phase A: 98.9 KVA 823.8 AMPS
Phase B: 98.2 KVA Phase B: 98.2 KVA 817.9 AMPS
Total: 197.0 KVA Total: 197.0 KVA 820.9 AMPS

| Panel ID: FA | | | | | | | | | | | | | | |
|----------------------------------------------------------------------|-----------|----------------------------|------------------------|---------|-------------------|---------------------------|-------|-------------------|-----------------------|---------|-----------------------|-----------------------------|-----------|---------|
| Panel ID: FA | | | Voltage: 240 / 120 | | | Panel Type: NQDD OR EQUAL | | | Encl. Type: NEMA-1 | | | | | |
| Location: STORAGE ROOM | | | Phase: 1 | | | Encl. Type: NEMA-1 | | | AIC Rating: SEE RISER | | | | | |
| Mounting: SURFACE | | | Wire: 3 | | | AIC Rating: SEE RISER | | | Main Type: SEE RISER | | | | | |
| Main Type: SEE RISER | | | Bus Amperage: 150 Amps | | | | | | | | | | | |
| All phases to be balanced to within 7% using actual connected loads. | | | | | | | | | | | | | | |
| CKT NO. | WIRE SIZE | BRANCH CIRCUIT DESCRIPTION | CKT BKR | CKT BKR | N.E.C. LOAD (KVA) | ACTUAL LOAD (KVA) | PHASE | ACTUAL LOAD (KVA) | N.E.C. LOAD (KVA) | CKT BKR | CKT BKR | BRANCH CIRCUIT DESCRIPTION | WIRE SIZE | CKT NO. |
| 1 | 12 | CLINIC PATIENT RM 104 REC | 20/1 | H | 0.500 | 0.500 | A | 0.500 | 0.500 | 20/1 | H | CLINIC NURSE STATION REC | 12 | 2 |
| 3 | 12 | CLINIC PATIENT RM 107 REC | 20/1 | H | 0.500 | 0.500 | B | 0.500 | 0.500 | 20/1 | H | CLINIC NURSE STATION REC | 12 | 4 |
| 5 | 12 | CLINIC PATIENT RM 108 REC | 20/1 | H | 0.500 | 0.500 | A | 0.500 | 0.500 | 20/1 | H | CLINIC COORDIOR REC | 12 | 6 |
| 7 | 12 | CLINIC WAITING RM REC | 20/1 | H | 0.500 | 0.500 | B | 0.500 | 0.500 | 20/1 | H | CLINIC OFFICE REC | 12 | 8 |
| 9 | 12 | CLINIC WATER FOUNTAIN REC | 20/1 | GF | 0.360 | 0.360 | A | 1.000 | 1.000 | GF | 20/1 | CLINIC RESTRM HAND DRYER | 12 | 10 |
| 11 | 12 | CLINIC WORK RM REC | 20/1 | H | 0.500 | 0.500 | B | 0.500 | 0.500 | GF | 20/1 | CLINIC RESTRM HAND DRYER | 12 | 12 |
| 13 | 12 | CLINIC WORK RM REC | 20/1 | H | 0.500 | 0.500 | A | 0.360 | 0.360 | GF | 20/1 | CLINIC RESTROOM REC | 12 | 14 |
| 15 | 12 | CLINIC PATIENT RM 121 REC | 20/1 | H | 0.500 | 0.500 | B | 0.500 | 0.500 | 20/1 | H | CLINIC COORDIOR REC | 12 | 16 |
| 17 | 12 | CLINIC PATIENT RM 122 REC | 20/1 | H | 0.500 | 0.500 | A | 0.360 | 0.360 | H | 20/1 | CLINIC GROUP ROOM REC | 12 | 18 |
| 19 | 12 | CLINIC PATIENT RM 123 REC | 20/1 | H | 0.500 | 0.500 | B | 0.500 | 0.500 | H | 20/1 | CLINIC THERAPIST OFFICE REC | 12 | 20 |
| 21 | 12 | CLINIC PATIENT RM 124 REC | 20/1 | H | 0.500 | 0.500 | A | 0.360 | 0.360 | GF | 20/1 | CLINIC BREAK ROOM REC | 12 | 22 |
| 23 | 12 | CLINIC PATIENT RM 125 REC | 20/1 | H | 0.500 | 0.500 | B | 1.000 | 1.000 | GF | 20/1 | CLINIC BREAK ROOM REC | 12 | 24 |
| 25 | 12 | CLINIC RESTRM HAND DRYER | 20/1 | GF | 1.000 | 1.000 | A | 0.500 | 0.500 | 20/1 | CLINIC OFFICE REC | 12 | 26 | |
| 27 | 12 | CLINIC RESTRM HAND DRYER | 20/1 | GF | 1.000 | 1.000 | B | 0.500 | 0.500 | AF | 20/1 | HOUSE 1 BEDROOM 303 REC | 12 | 28 |
| 29 | 12 | CLINIC RESTROOM REC | 20/1 | GF | 0.360 | 0.360 | A | 5.000 | 5.000 | AF | 20/1 | HOUSE 1 HALLWAY REC | 12 | 30 |
| 31 | 12 | HOUSE 1 BEDROOM 306 REC | 20/1 | AF | 0.500 | 0.500 | A | 1.000 | 1.000 | 20/1 | HOUSE 1 RR HAND DRYER | 12 | 32 | |
| 33 | 12 | HOUSE 1 BEDROOM 305 REC | 20/1 | AF | 0.500 | 0.500 | A | 0.000 | 0.000 | 20/1 | SPARE | 12 | 34 | |
| 35 | 12 | HOUSE 1 BEDROOM 304 REC | 20/1 | AF | 0.500 | 0.500 | B | 1.050 | 1.050 | AF | 20/1 | HOUSE 1 LIGHTING | 12 | 36 |
| 37 | 12 | CLINIC GROUP RM COOPER | 20/1 | H | 0.500 | 0.500 | A | 0.620 | 0.620 | AF | 20/1 | HOUSE 1 LIGHTING | 12 | 38 |
| 39 | 12 | CLINIC LIGHTING | 20/1 | H | 1.200 | 1.200 | B | 1.100 | 1.100 | H | 20/1 | CLINIC LIGHTING | 12 | 40 |
| 41 | 12 | CLINIC LIGHTING | 20/1 | H | 0.850 | 0.850 | A | 0.000 | 0.000 | 20/1 | SPARE | 12 | 42 | |

Actual Load Panel Summary

N.E.C. Load Panel Summary

Breaker Options (If Used):

Phase A: 15.3 KVA Phase A: 15.3 KVA 127.3 AMPS AF-ARK FAULT BREAKER
Phase B: 13.9 KVA Phase B: 13.9 KVA 115.4 AMPS H-HOSPITAL GRADE WIRING
Total: 29.1 KVA Total: 29.1 KVA 121.3 AMPS LO - LOCK-ON DEVICE
GF - GROUND FAULT BREAKER

| Panel ID: FB | | | | | | | | | | | | | | |
|----------------------------------------------------------------------|-----------|----------------------------|------------------------|---------|-------------------|---------------------------|-------|-------------------|-----------------------|---------|--------------------------|----------------------------|-----------|---------|
| Panel ID: FB | | | Voltage: 240 / 120 | | | Panel Type: NQDD OR EQUAL | | | Encl. Type: NEMA-1 | | | | | |
| Location: STORAGE RM | | | Phase: 1 | | | Encl. Type: NEMA-1 | | | AIC Rating: SEE RISER | | | | | |
| Mounting: SURFACE | | | Wire: 3 | | | AIC Rating: SEE RISER | | | Main Type: SEE RISER | | | | | |
| Main Type: SEE RISER | | | Bus Amperage: 200 Amps | | | | | | | | | | | |
| All phases to be balanced to within 7% using actual connected loads. | | | | | | | | | | | | | | |
| CKT NO. | WIRE SIZE | BRANCH CIRCUIT DESCRIPTION | CKT BKR | CKT BKR | N.E.C. LOAD (KVA) | ACTUAL LOAD (KVA) | PHASE | ACTUAL LOAD (KVA) | N.E.C. LOAD (KVA) | CKT BKR | CKT BKR | BRANCH CIRCUIT DESCRIPTION | WIRE SIZE | CKT NO. |
| 1 | -- | SPARE | 20/1 | GF | 0.000 | 0.000 | A | 0.360 | 0.360 | GF/AF | 20/1 | HOUSE 1 RESTROOM REC | 12 | 2 |
| 3 | 12 | HOUSE 1 REFRIGERATOR | 20/1 | GF | 1.000 | 1.000 | B | 0.360 | 0.360 | AF | 20/1 | HOUSE 1 HALLWAY REC | 12 | 4 |
| 5 | 12 | HOUSE 1 REFRIGERATOR | 20/1 | GF | 1.000 | 1.000 | A | 0.500 | 0.500 | AF | 20/1 | HOUSE 1 BEDROOM 315 REC | 12 | 6 |
| 7 | 12 | HOUSE 1 KIT. COUNTER REC | 20/1 | GF/AF | 0.500 | 0.500 | B | 0.500 | 0.500 | AF | 20/1 | HOUSE 1 BEDROOM 314 REC | 12 | 8 |
| 9 | 12 | HOUSE 1 KIT. COUNTER REC | 20/1 | GF/AF | 0.500 | 0.500 | A | 0.500 | 0.500 | AF | 20/1 | HOUSE 1 BEDROOM 313 REC | 12 | 10 |
| 11 | 12 | HOUSE 1 RANGE HOOD | 20/1 | GF | 0.500 | 0.500 | A | 0.500 | 0.500 | AF | 20/1 | HOUSE 1 HALLWAY REC | 12 | 12 |
| 13 | 8 | HOUSE 1 RANGE | 40/2 | | 4.000 | 4.000 | A | 1.000 | 1.000 | GF | 20/1 | HOUSE 1 TECH STATION REC | 12 | 14 |
| 15 | -- | --- | -- | | 4.000 | 4.000 | B | 0.500 | 0.500 | 20/1 | HOUSE 1 TECH STATION REC | 12 | 16 | |
| 17 | 12 | HOUSE 1 KIT. COUNTER REC | 20/1 | GF/AF | 0.500 | 0.500 | A | 1.000 | 1.000 | 20/1 | HOUSE 1 TECH STATION REC | 12 | 18 | |
| 19 | 12 | HOUSE 1 DISHWASHER | 20/1 | GF | 1.000 | 1.000 | B | 0.500 | 0.500 | GF/AF | 20/1 | HOUSE 2 KIT. COUNTER REC | 12 | 20 |
| 21 | 12 | HOUSE 1 KIT. COUNTER REC | 20/1 | GF/AF | 0.500 | 0.500 | A | 1.000 | 1.000 | GF | 20/1 | HOUSE 2 DISHWASHER | 12 | 22 |
| 23 | 12 | HOUSE 1 WASHER | 20/1 | GF | 1.200 | 1.200 | A | 0.360 | 0.360 | GF | 20/1 | HOUSE 2 WOOD | 12 | 24 |
| 25 | 12 | HOUSE 1 RR HAND DRYER | 20/1 | GF | 1.000 | 1.000 | A | 4.000 | 4.000 | 40/2 | 20/1 | HOUSE 2 RANGE | 8 | 26 |
| 27 | 10 | HOUSE 1 DRYER | 30 | | 2.500 | 2.500 | B | 4.000 | 4.000 | -- | -- | --- | -- | 28 |
| 29 | -- | --- | -- | | 2.500 | 2.500 | A | 1.000 | 1.000 | GF | 20/1 | HOUSE 2 REFRIGERATOR | 12 | 30 |
| 31 | 12 | HOUSE 1 DINING ROOM REC | 20/1 | AF | 0.360 | 0.360 | B | 1.000 | 1.000 | GF | 20/1 | HOUSE 2 REFRIGERATOR | 12 | 32 |
| 33 | 12 | HOUSE 2 KIT. COUNTER REC | 20/1 | GF/AF | 0.500 | 0.500 | A | 2.500 | 2.500 | 30/2 | 20/1 | HOUSE 2 DRYER | 10 | 34 |
| 35 | 12 | HOUSE 2 KIT. COUNTER REC | 20/1 | GF/AF | 0.500 | 0.500 | B | 2.500 | 2.500 | -- | -- | --- | -- | 36 |
| 37 | 12 | HOUSE 2 LIGHTING | 20/1 | AF | 0.670 | 0.670 | A | 0.000 | 0.000 | 20/1 | SPARE | 12 | 38 | |
| 39 | 12 | HOUSE 2 LIGHTING | 20/1 | AF | 0.900 | 0.900 | B | 1.200 | 1.200 | GF | 20/1 | HOUSE 2 WASHER | 12 | 40 |
| 41 | -- | --- | -- | | 0.000 | 0.000 | A | 0.000 | 0.000 | 20/1 | SPARE | 12 | 42 | |

Actual Load Panel Summary

N.E.C. Load Panel Summary

Breaker Options (If Used):

Phase A: 23.0 KVA Phase A: 23.0 KVA 191.9 AMPS AF-ARK FAULT BREAKER
Phase B: 23.9 KVA Phase B: 23.9 KVA 199.0 AMPS H-HOSPITAL GRADE WIRING
Total: 46.9 KVA Total: 46.9 KVA 195.5 AMPS
LO - LOCK-ON DEVICE
GF - GROUND FAULT BREAKER

| Panel ID: FC | | | | | | | | | | | | | | |
|----------------------------------------------------------------------|-----------|----------------------------|------------------------|---------|-------------------|---------------------------|-------|-------------------|-----------------------|---------|---------------------------|----------------------------|-----------|---------|
| Panel ID: FC | | | Voltage: 240 / 120 | | | Panel Type: NQDD OR EQUAL | | | Encl. Type: NEMA-1 | | | | | |
| Location: STORAGE ROOM | | | Phase: 1 | | | Encl. Type: NEMA-1 | | | AIC Rating: SEE RISER | | | | | |
| Mounting: SURFACE | | | Wire: 3 | | | AIC Rating: SEE RISER | | | Main Type: SEE RISER | | | | | |
| Main Type: SEE RISER | | | Bus Amperage: 200 Amps | | | | | | | | | | | |
| All phases to be balanced to within 7% using actual connected loads. | | | | | | | | | | | | | | |
| CKT NO. | WIRE SIZE | BRANCH CIRCUIT DESCRIPTION | CKT BKR | CKT BKR | N.E.C. LOAD (KVA) | ACTUAL LOAD (KVA) | PHASE | ACTUAL LOAD (KVA) | N.E.C. LOAD (KVA) | CKT BKR | CKT BKR | BRANCH CIRCUIT DESCRIPTION | WIRE SIZE | CKT NO. |
| 1 | 12 | HOUSE 2 BEDROOM 214 REC | 20/1 | AF | 0.500 | 0.500 | A | 1.200 | 1.200 | LO | 20/1 | CAMERA / INTERCOM SYSTEM | 12 | 2 |
| 3 | 12 | HOUSE 2 BEDROOM 215 REC | 20/1 | AF | 0.500 | 0.500 | B | 1.000 | 1.000 | LO | 20/1 | FRANCAIS BOTTON | 12 | 4 |
| 5 | 12 | HOUSE 2 BEDROOM 216 REC | 20/1 | AF | 0.500 | 0.500 | A | 1.000 | 1.000 | LO | 20/1 | FIRE ALARM DEVICES | 12 | 6 |
| 7 | 12 | HOUSE 2 CORRIDOR REC | 20/1 | AF | 0.500 | 0.500 | B | 1.200 | 1.200 | LO | 20/1 | EMERGENCY LIGHTING | 12 | 8 |
| 9 | 12 | REC. ROOM REC | 20/1 | AF | 0.500 | 0.500 | A | 0.360 | 0.360 | 20/1 | MECHANICAL RM SERVICE REC | 12 | 10 | |
| 11 | 12 | REC. ROOM REFRIGERATOR | 20/1 | GF | 1.000 | 1.000 | B | 1.000 | 1.000 | 20/1 | PHONE BOARD | 12 | 12 | |
| 13 | 12 | REC. ROOM COUNTER REC | 20/1 | GF | 0.500 | 0.500 | A | 0.500 | 0.500 | AF | 20/1 | HOUSE 2 BEDROOM 211 REC | | |