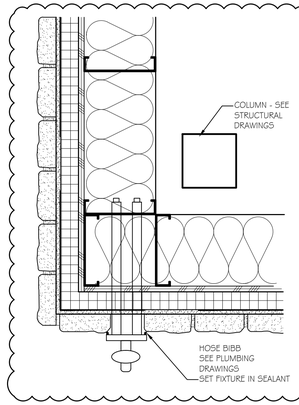


A WALL HYDRANT
1 1/2"=1'-0"

AIR BARRIER REQUIREMENTS

A. A CONTINUOUS AIR BARRIER SHALL BE PROVIDED THROUGHOUT THE BUILDING THERMAL ENVELOPE. THE CONTINUOUS AIR BARRIERS SHALL BE LOCATED ON THE INSIDE OR OUTSIDE OF THE BUILDING THERMAL ENVELOPE, LOCATED WITHIN THE ASSEMBLIES COMPOSING THE BUILDING THERMAL ENVELOPE, OR ANY COMBINATION THEREOF.

B. THE AIR BARRIER SHALL BE CONTINUOUS FOR ALL ASSEMBLIES THAT ARE THE THERMAL ENVELOPE OF THE BUILDING AND ACROSS THE JOINTS AND ASSEMBLIES.

C. AIR BARRIER JOINTS AND SEAMS SHALL BE SEALED, INCLUDING SEALING TRANSITIONS IN PLACES AND CHANGES IN MATERIALS. THE JOINTS AND SEALS SHALL BE SECURELY INSTALLED IN OR ON THE JOINT FOR ITS ENTIRE LENGTH SO AS NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR ITS ABILITY TO RESIST POSITIVE AND NEGATIVE PRESSURE FROM WIND, STACK EFFECT AND MECHANICAL VENTILATION.

D. PENETRATIONS OF THE AIR BARRIER SHALL BE CAULKED, GASKETED, OR OTHERWISE SEALED IN A MANNER COMPATIBLE WITH THE CONSTRUCTION MATERIALS AND LOCATION. SEALING SHALL ALLOW FOR EXPANSION, CONTRACTION AND MECHANICAL VIBRATION. JOINTS AND SEAMS ASSOCIATED WITH PENETRATIONS SHALL BE SEALED IN THE SAME MANNER OR TAPED. SEALING MATERIALS SHALL BE SECURELY INSTALLED AROUND THE PENETRATION SO AS NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR THE PENETRATIONS' ABILITY TO RESIST POSITIVE AND NEGATIVE PRESSURE FROM WIND, STACK EFFECT AND MECHANICAL VENTILATION. SEALING OF CONCEALED FIRE SPRINKLERS, WHERE REQUIRED, SHALL BE IN A MANNER THAT IS RECOMMENDED BY THE MANUFACTURER. CAULKING OR OTHER ADHESIVE SEALANTS SHALL NOT BE USED TO FILL VOIDS BETWEEN FIRE SPRINKLER COVER PLATES AND WALLS OR CEILINGS.

E. RECESSED LIGHTING FIXTURES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND INTERIOR WALL OR CEILING COVERING.

THERMAL ENVELOPE CERTIFICATE
A PERMANENT THERMAL ENVELOPE CERTIFICATE SHALL BE COMPLETED BY AN APPROVED PARTY. SUCH CERTIFICATE SHALL BE POSTED ON A WALL IN THE SPACE WHERE THE SPACE CONDITIONING EQUIPMENT IS LOCATED, A UTILITY ROOM, OR OTHER APPROVED LOCATION. IF LOCATED ON AN ELECTRICAL PANEL, THE CERTIFICATE SHALL NOT COVER OR OBSTRUCT THE VISIBILITY OF THE CIRCUIT DIRECTORY LABEL, SERVICE DISCONNECT LABEL OR OTHER REQUIRED LABELS. A COPY OF THE CERTIFICATE SHALL ALSO BE INCLUDED IN THE CONSTRUCTION FILES FOR THE PROJECT. THE CERTIFICATE SHALL INCLUDE THE FOLLOWING:

1. R-VALUES OF INSULATION INSTALLED IN OR ON CEILINGS, ROOFS, WALLS, FOUNDATIONS AND SLABS, BASEMENT WALLS, CRAWL SPACE WALLS AND FLOORS AND DUCTS OUTSIDE CONDITIONED SPACES.
2. U-FACTORS AND SOLAR HEAT GAIN COEFFICIENTS (SHGC) OF FENESTRATIONS.
3. RESULTS FROM ANY BUILDING ENVELOPE AIR LEAKAGE TESTING PERFORMED ON THE BUILDING.

WHERE THERE IS MORE THAN ONE VALUE FOR ANY COMPONENT OF THE BUILDING ENVELOPE, THE CERTIFICATE SHALL INDICATE THE AREA WEIGHTED AVERAGE VALUE WHERE AVAILABLE. IF THE AREA WEIGHTED AVERAGE IS NOT AVAILABLE, THE CERTIFICATE SHALL LIST EACH VALUE THAT APPLIES TO 10 PERCENT OR MORE OF THE TOTAL COMPONENT AREA.

BUILDING ENVELOPE PERFORMANCE VERIFICATION
THE INSTALLATION OF THE CONTINUOUS AIR BARRIER SHALL BE VERIFIED BY THE APPROVED AGENCY IN ACCORDANCE WITH THE FOLLOWING:

1. A REVIEW OF THE CONSTRUCTION DOCUMENTS AND OTHER SUPPORTING DATA SHALL BE CONDUCTED TO ACCESS COMPLIANCE WITH THE REQUIREMENTS IN SECTION C402.5.1.
2. INSPECTION OF CONTINUOUS AIR BARRIER COMPONENTS AND ASSEMBLIES SHALL BE CONDUCTED DURING CONSTRUCTION WHILE THE AIR BARRIER IS STILL ACCESSIBLE FOR INSPECTION AND REPAIR TO VERIFY COMPLIANCE WITH THE REQUIREMENTS OF SECTIONS C402.5.1.3 AND C402.5.1.4.
3. A FINAL COMMISSIONING REPORT SHALL BE PROVIDED FOR INSPECTIONS COMPLETED BY THE APPROVED AGENCY. THE COMMISSIONING REPORT SHALL BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT AND THE CODE OFFICIAL. THE REPORT SHALL IDENTIFY DEFICIENCIES FOUND DURING THE REVIEW OF THE CONSTRUCTION DOCUMENTS AND INSPECTION AND DETAILS OF CORRECTIVE MEASURES TAKEN.

CODED PLAN NOTES

01 MULLIONS TO ALIGN W/ CENTERLINE OF COLUMN, TYP.

02 PROVIDE PLYWOOD TO MOUNT HOUSE PANEL. REFER TO ELECTRICAL DRAWINGS FOR FINAL LOCATION.

03 HOLD SLAB BACK 15 FT.

04 MANUFACTURED STONE MASONRY VENEER SYSTEM ON 2" CONT. INSULATION, DRYVIT OMVS SYSTEM OR EQ. SEE ELEVATIONS AND WALL SECTIONS FOR INFORMATION.

05 DRIVE-THRU SERVICE WINDOW. SEE ELEVATIONS & WINDOW SCHEDULE FOR INFORMATION. 3

ENVELOPE REQUIREMENTS

PER 2021 IECC TABLE C402.1.3 MINIMUM R-VALUE REQUIREMENTS
CLIMATE ZONE 4A

ROOFS
INSULATION ENTIRELY ABOVE DECK: R-30 CI
ATTIC AND OTHER INSULATION: R-49

WALLS, ABOVE GRADE
STEEL-FRAMED: R-13 + R-7.5 CI

SLAB-ON-GRADE FLOORS
UNHEATED SLABS: R-15 FOR 24" BELOW

OPAQUE DOORS PER TABLE C402.1.4
SWINGING: U-VALUE 0.370
NONSWINGING: U-VALUE 0.310

FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS PER TABLE C402.4

FIXED: 0.36
OPERABLE: 0.45
ENTRANCE DOOR: 0.63

SHGC REQUIREMENTS ($0.2 \leq PF < 0.5$)
FIXED: 0.43
OPERABLE: 0.40

PARTITION LEGEND

EXTERIOR WALL - SEE WALL SECTIONS, SHEETS A5.1 & A5.2

GENERAL NOTES

1. ALL DIMENSIONS WITNESSED FACE OF STUD (U.N.O.)

2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS RELATING TO CONSTRUCTION AND SERVICE TO THE SITE.

3. ALL MATERIALS AND WORK SHALL COMPLY WITH GOVERNING CODES. NO WORK SHALL BE COVERED UNTIL APPROVED BY LOCAL INSPECTORS.

4. SEE SHEET A7.1 FOR DOOR SCHEDULE.

5. CLASS "A-B-C" 10# FIRE EXTINGUISHERS & CABINETS TO BE PROVIDED BY TENANT.

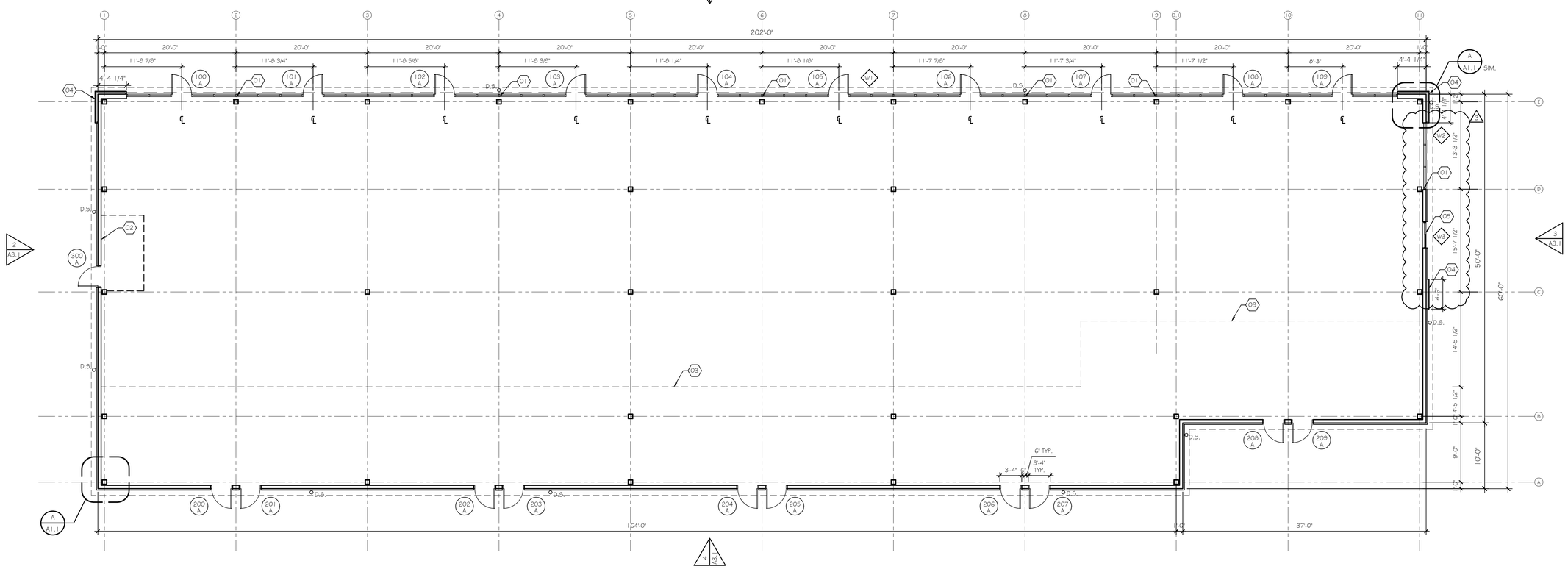
6. POTABLE WATER TO BE PROVIDED BY OWNER.

7. INSULATE ALL PLUMBING INTERIOR FACE SIDE OF WALL FULL INSULATION TO OUTSIDE.

9. PROVIDE WEATHER BARRIER FLASHING AT ALL WINDOWS, DOORS & BOTTOMS OF WALLS PER MANUFACTURER'S INSTRUCTIONS.

11. OWNER SHALL PROVIDE BUILDING ADDRESS NUMBERS IN ACCORDANCE WITH APPLICABLE BUILDING CODES.

12. FINAL KNOX BOX LOCATION TO BE COORDINATED WITH LOCAL FIRE AUTHORITIES AND INSTALLED BY THE GENERAL CONTRACTOR.



FIRST FLOOR PLAN
1/8"=1'-0"

N.HAMILTON
SPEC RETAIL CENTER
6466-6478 N. Hamilton
Columbus, Ohio

STATE OF OHIO
DAVID A. PONTIA
10464
REGISTERED ARCHITECT

DAVID PONTIA, #9310464
EXPIRATION DATE 12/31/2025

PONTIA ARCHITECTURE
39 E. Main Street, Suite 101
New Albany, Ohio 43054
614-245-8273

SHEET TITLE
FLOOR PLAN

SHEET INFORMATION

PROJECT NUMBER	2235
DRAWN BY	TP
CHECKED BY	DP
SCALE	AS NOTED
ISSUE FOR	PERMIT
DATE	06-01-2023
REVISIONS	
3	04-11-2025

SHEET NUMBER
A1.1