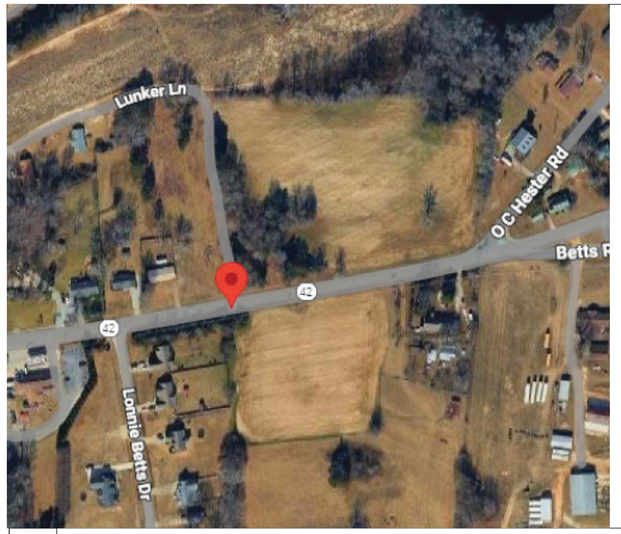
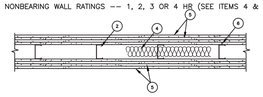


north

01 VICINITY MAP
NO SCALE

DESIGN NO. U419 / U465
NONBEARING WALL RATINGS -- 1, 2, 3 OR 4 HR (SEE ITEMS 4 & 5)



1. FLOOR AND CEILING RUNNERS -- (NOT SHOWN) --FOR USE WITH ITEM 2 – CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN WIDTH TO ACCOMMODATE STUD SIZE, WITH MIN 1 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

1A. FLOOR AND CEILING RUNNERS* -- NOT SHOWN – IN LIEU OF ITEM 1 -- FOR USE WITH ITEM 2A, PROPRIETARY CHANNEL SHAPED, MIN. 3-5/8 IN. WIDE WITH 1 IN. LONG LEGS, FABRICATED FROM MIN. 0.0150 IN. (0.0146 IN., MIN BARE METAL THICKNESS) GALVANIZED STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

DIETRICH INDUSTRIES INC -- ULTRASTEEL?.

1B. FLOOR AND CEILING RUNNERS -- (NOT SHOWN – IN LIEU OF ITEM FOR-USE WITH ITEM 2A, PROPRIETARY CHANNEL SHAPED, MIN. 2-9/16 IN. WIDE WITH 1-3/16 IN. WIDE FLANGES, FABRICATED FROM MIN. 0.0150 IN. GALVANIZED STEEL, ATTACHED TO FLOOR AND CEILING FASTENERS 24 IN. OC. MAX.

DIETRICH INDUSTRIES INC -- ULTRASTEEL?.

2. STEEL STUDS -- CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN WIDTH AS INDICATED UNDER ITEM 5, MIN 1-1/4 IN. FLANGES AND 1/4 IN. RETURN, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

2A. STEEL STUDS* -- IN LIEU OF ITEM 2 – PROPRIETARY CHANNEL SHAPED STUDS, MIN. WIDTH AS INDICATED UNDER ITEM 5, MIN. 1-1/4 IN. LONG LEGS AND 1/4 IN. LONG FOLDED BACK RETURN FLANGE LEGS, FABRICATED FROM MIN. 0.0155 IN. (0.0149 IN., MIN BARE METAL THICKNESS) GALVANIZED STEEL, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT. ALLOWABLE USE OF STUDS IS SHOWN IN THE TABLE BELOW. FOR DIRECT ATTACHMENT OF GYPSUM BOARD ONLY.

DIETRICH INDUSTRIES INC -- ULTRASTEEL?.

2B. STEEL STUDS -- (AS AN ALTERNATE TO ITEM 2, FOR USE WITH ITEM 5B) CHANNEL SHAPED, FABRICATED FROM MIN 20 MSG (0.0327 IN. THICK) CORROSION-PROTECTED OR GALV STEEL, 3-1/2 IN. MIN WIDTH, MIN 1-1/2 IN. FLANGES AND 1/4 IN. RETURN, SPACED A MAX OF 16 IN. OC. STUDS FRICTION-FIT INTO FLOOR AND CEILING RUNNERS. STUDS TO BE CUT 5/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

3. WOOD STRUCTURAL PANEL SHEATHING -- (OPTIONAL, FOR USE WITH ITEM 5 ONLY.)– (NOT SHOWN) – 4 FT WIDE, 7/16 IN. THICK ORIENTED STRAND BOARD (OSB) OR 15/32 IN. THICK STRUCTURAL 1 SHEATHING (PLYWOOD) COMPLYING WITH DOC PS1 OR PS2, OR APA STANDARD PRP-108, MANUFACTURED WITH EXTERIOR GLUE, APPLIED HORIZONTALLY OR VERTICALLY TO THE STEEL STUDS. VERTICAL JOINTS CENTERED ON STUDS, AND STAGGERED ONE STUD SPACE FROM WALLBOARD JOINTS. ATTACHED TO STUDS WITH FLAT-HEAD SELF-DRILLING TAPPING SCREWS WITH A MIN. HEAD DIAM. OF 0.292 IN. AT MAXIMUM 6 IN. OC. IN THE PERIMETER AND 12 IN. OC. IN THE FIELD.

4. BATTS AND BLANKETS* -- (REQUIRED AS INDICATED UNDER ITEM 5) -- MINERAL WOOL BATTS, FRICTION FITTED BETWEEN STUDS AND RUNNERS. MIN NOM THICKNESS AS INDICATED UNDER ITEM 5. SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

4A. BATTS AND BLANKETS* -- (OPTIONAL) -- PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE. SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

5. GYPSUM BOARD* -- GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. VERTICAL JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED ONE STUD CAVITY. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED A MIN OF 12 IN. THE THICKNESS AND NUMBER OF LAYERS FOR THE 1 HR, 2 HR, 3 HR AND 4 HR RATINGS ARE AS FOLLOWS:

WALLBOARD PROTECTION ON EACH SIDE OF WALL

RATING	MIN STUD DEPTH, ITEM 2	MIN STUD DEPTH, ITEM 2A	NO. OF LAYERS & THKNS OF PANEL	MIN THKNS OF INSULATION (ITEM 4)
1	3-1/2	3-5/8	1 LAYER, 5/8 IN. THICK	OPTIONAL
1	2-1/2	3-5/8	1 LAYER, 1/2 IN. THICK	1-1/2 IN.
1	1-5/8	3-5/8	1 LAYER, 3/4 IN. THICK	OPTIONAL
2	1-5/8	2-1/2	2 LAYERS, 1/2 IN. THICK	OPTIONAL
2	1-5/8	2-1/2	2 LAYERS, 5/8 IN. THICK	OPTIONAL
2	3-5/8	3-5/8	1 LAYER, 3/4 IN. THICK	3 IN.
3	1-5/8	2-1/2	3 LAYERS, 1/2 IN. THICK	OPTIONAL
3	1-5/8	2-1/2	2 LAYERS, 3/4 IN. THICK	OPTIONAL
3	1-5/8	2-1/2	3 LAYERS, 5/8 IN. THICK	OPTIONAL
4	1-5/8	2-1/2	4 LAYERS, 5/8 IN. THICK	OPTIONAL
4	2-1/2	2-1/2	4 LAYERS, 1/2 IN. THICK	OPTIONAL
4	2-1/2	2-1/2	2 LAYERS, 3/4 IN. THICK	2 IN.

CANADIAN GYPSUM COMPANY -- 1/2 IN. THICK TYPE C, IP-X2 OR IPC-AR; WRC, 5/8 IN. THICK TYPE AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX OR WRC; 3/4 IN. THICK TYPES IP-X3 OR ULTRACODE

UNITED STATES GYPSUM CO -- 1/2 IN. THICK TYPE C, IP-X2, IPC-AR OR WRC; 5/8 IN. THICK TYPE SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR ; 3/4 IN. THICK TYPES IP-X3 OR ULTRACODE

USG MEXICO S A DE C V -- 1/2 IN. THICK TYPE C, IP-X2, IPC-AR OR WRC; 5/8 IN. THICK TYPE AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC OR; 3/4 IN. THICK TYPES IP-X3 OR ULTRACODE

WHEN ITEM 7B, STEEL FRAMING MEMBERS*, IS USED, NONBEARING WALL RATING IS LIMITED TO 1 HR. MIN. STUD DEPTH IS 3-1/2 IN., MIN. THICKNESS OF INSULATION (ITEM 4) IS 3 IN., AND TWO LAYERS OF GYPSUM BOARD PANELS (1/2 IN. OR 5/8 IN. THICK) SHALL BE ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 6. ONE LAYER OF GYPSUM BOARD PANELS (1/2 IN. OR 5/8 IN. THICK) ATTACHED TO OPPOSITE SIDE OF STUD WITHOUT FURRING CHANNELS AS DESCRIBED IN ITEM 6.

5A. GYPSUM BOARD* -- (AS AN ALTERNATE TO ITEM 5) -- 5/8 IN. THICK, 24 TO 54 IN. WIDE, APPLIED HORIZONTALLY AS THE OUTER LAYER TO ONE SIDE OF THE ASSEMBLY. SECURED AS DESCRIBED IN ITEM 6.

CANADIAN GYPSUM COMPANY -- TYPE SHX.

UNITED STATES GYPSUM CO -- TYPE FRX-G, SHX.

USG MEXICO S A DE C V -- TYPE SHX.

5B. GYPSUM BOARD* -- (AS AN ALTERNATE TO ITEM 5 WHEN USED AS THE BASE LAYER ON ONE OR BOTH SIDES OF WALL, FOR DIRECT ATTACHMENT ONLY, NOT TO BE USED WITH ITEM 3) – NOM 5/8 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS. WALLBOARD SECURED TO STUDS WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND 12 IN. OC IN THE FIELD.
RAY-BAR ENGINEERING CORP -- TYPE RB-LBG

6. FASTENERS -- (NOT SHOWN) --- FOR USE WITH ITEM 2 – TYPE S OR S-12 STEEL SCREWS USED TO ATTACH PANELS TO STUDS (ITEM 2) OR FURRING CHANNELS (ITEM 7). LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 8 IN. OC WHEN PANELS ARE APPLIED HORIZONTALLY, OR 8 IN. OC ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. OC IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLYFIRST LAYER– 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC WITH SCREWS OFFSET 8 IN. FROM LAYER BELOW. THREE-LAYER SYSTEMS: OC. SECOND LAYER– 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER– 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. FIRST LAYER– 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER– 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER– 1-5/8 IN. LONG FOR 1/2 IN. THICK PANELS, SPACED 24 IN. OC. FOURTH LAYER– 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW.

6A. FASTENERS -- (NOT SHOWN) ---FOR USE WITH ITEM 2A – TYPE S OR S-12 STEEL SCREWS USED TO ATTACH PANELS TO STUDS (ITEM 2)SINGLE LAYER SYSTEMS: 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 8-1/2 IN. OC WITH ADDITIONAL SCREWS 1 IN. AND 2-1/2 IN. FROM EDGES OF THE BOARD WHEN PANELS ARE HORIZONTALLY, OR 8 IN. OC ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. OC IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLYTWO LAYER SYSTEMS APPLIED VERTICALLYFIRST LAYER– 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC. SECOND LAYER– 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 24 IN. OC WITH SCREWS OFFSET 8 IN. FROM FIRST LAYERTWO LAYER SYSTEMS APPLIED HORIZONTALLYFIRST LAYER– 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC STARTING 8 IN. FROM EACH EDGE OF THE BOARD WITH AN ADDITIONAL SCREW PLACED 1-1/4 IN. FROM EACH EDGE OF THE BOARD. SECOND LAYER– 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC STARTING 8 IN. FROM EACH EDGE OF THE BOARD WITH AN ADDITIONAL SCREW PLACED 1-1/4 IN. FROM EACH EDGE OF THE BOARD WITH SCREWS OFFSET 8 IN. FROM FIRST LAYER. FIRST LAYER– 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER– 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER– 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. FOR ALL LAYERS, AN ADDITIONAL SCREW SHALL BE PLACED 1-1/4 IN. FROM EACH EDGE OF THE BOARDOUR–LAYER SYSTEMS: FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER– 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER– 2-1/4 IN. LONG FOR 1/2 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 24 IN. OC. FOURTH LAYER– 2-5/8 IN. LONG FOR 1/2 IN. THICK PANELS OR 3 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. FOR ALL LAYERS, AN ADDITIONAL SCREW SHALL BE PLACED 1-1/4 IN. FROM EACH EDGE OF THE BOARD.

7. FURRING CHANNELS -- (OPTIONAL, NOT SHOWN, FOR SINGLE OR DOUBLE LAYER SYSTEMS) --- RESILIENT FURRING CHANNELS FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, SPACED VERTICALLY A MAX OF 24 IN. OC. FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 STEEL SCREWS. NOT FOR USE WITH ITEM 5A.

7A. STEEL FRAMING MEMBERS (NOT SHOWN)* --(OPTIONAL ON ONE OR BOTH SIDES, NOT SHOWN, FOR SINGLE OR DOUBLE LAYER SYSTEMS) --- AS AN ALTERNATE TO ITEM 7, FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW:

A. FURRING CHANNELS -- FORMED OF NO. 25 MSG GALV STEEL, 2-3/8 IN. WIDE BY 7/8 IN. DEEP, SPACED MAX. 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 6. NOT FOR USE WITH ITEM 5A.

B. STEEL FRAMING MEMBERS* -- USED TO ATTACH FURRING CHANNELS (ITEM 7AA) TO STUDS (ITEM 2). CLIPS SPACED MAX. 48 IN. OC. RSIC-1 CLIPS SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET. RSIC-V CLIPS SECURED TO STUDS WITH NO. 8 X 9/16 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER HOLE. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.

PAC INTERNATIONAL INC --

7B. STEEL FRAMING MEMBERS (OPTIONAL, NOT SHOWN)* -- TYPES RSIC-1, RSIC--V. CHANNELS AND STEEL FRAMING MEMBERS ON ONLY ONE SIDE OF STUDS AS DESCRIBED BELOW:

U419
02 1HR. & 2 HR. FIRE WALL
NO SCALE

* ALL RATINGS APPLY WHEN INTERIOR UPFIT IS PERMITTED

A FLEX BUILDING FOR:

Culver Flex Space

NC HIGHWAY 42
HOLLY SPRINGS, NORTH CAROLINA

ROBERT CHARLES EVANS
ARCHITECT
ARCHITECTURE
844 Montclair Road Fayetteville, North Carolina 28312

ROBERT C. EVANS REGISTERED ARCHITECT 8530 NORTH CAROLINA FAYETTEVILLE, N.C.

12.17.25

A0.1

MATERIAL LEGEND

CONCRETE		BATT INSULATION	
EARTH		STEEL	
WOOD FRAMING		CONCRETE BLOCK	
WOOD TRIM		BRICK	
PLYWOOD		GYPSUM BOARD	
CARPET		CAULKING	

DRAWING SYMBOLS

01 / A5.6 — DETAIL CUT

clubroom / F214 — ROOM NAME & FINISH SCHEDULE

01 / A5.6 — ENLARGED PLAN OR DETAIL

W202 — WINDOW SCHEDULE

D201 — DOOR SCHEDULE

01 / A4.2 — DETAIL SECTION OR BUILDING SECTION

01 / A4.2 — INTERIOR ELEVATION

GENERAL NOTES

1. ALL WORK ON THIS APPLICATION SHALL BE IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL CODES, LATEST AMENDMENTS.
2. THE CONTRACTOR SHALL REFER TO DIMENSIONS AND SHALL NOT SCALE THESE DRAWINGS.
3. ALL DIMENSIONS ARE SHOWN TO THE FACE OF ROUGH EXCEPT WHERE NOTED OTHERWISE.
4. NO LOADS SHALL BE APPLIED TO SUSPENDED CEILINGS.
5. THE CONTRACTOR SHALL PROVIDE BLOCKING, GROUNDS, ETC. FOR FIXTURES, SHELVING, TRIM, GYPSUM BOARD, DECKING, PLUMBING FIXTURES, ETC., WHERE THEY ARE REQUIRED.
6. THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY AND COORDINATE ALL DIMENSIONS AND DETAILS PRIOR TO PROCEEDING WITH ANY WORK, ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER IN WRITING IMMEDIATELY.

ABBREVIATIONS

ALUM. – Aluminum
ARCH. – Architectural
BD. – Board
BM. – Beam
CL – Centerline
CLG. – Ceiling
COL. – Column
CONC. – Concrete
CONT. – Continuous
DIM. – Dimension
DISP. – Disposal
DN. – Down
D.S. – Downspout
DW. – Dishwasher
EA. – Each
EQ. – Equal
F.F. – Finish Floor
FIN. – Finished
G.C. – General Contractor
GYP. – Gypsum Board
HD. – Hand
HDR. – Header
HR. – Hour
INSUL. – Insulation
L. – Linen
MFR. – Manufacturer
MW. – Microwave
O.C. – On Center
OPP. – Opposite
PLWD. – Plywood
Q. – Quarry
R. – Rod
REQ'D. – Required
RFGR. – Refrigerator
R.O. – Rough Opening
R/O – Range/Oven
S. – Shelf
S.F. – Square Feet
SIM. – Similar
T.O. – Top Of
TYP. – Typical
V. – Volt
W/ – With
WD. – Wood
W.H. – Water Heater

CONSULTANTS

STRUCTURAL

SUMMIT DESIGN GROUP, INC
STRUCTURAL • CIVIL • MECHANICAL • ELECTRICAL
PO BOX 995
BLADENBORO, NC 28320
910-876-0376

MECHANICAL

Coastal Plains Engineering
P.O. Box 2446
Pembroke, NC 28372
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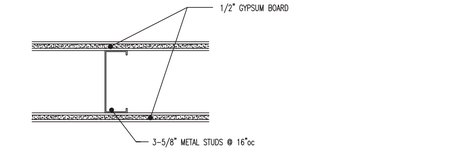
DRAWING LIST

ARCHITECTURAL
A0.1 PROJECT INFORMATION
A0.2 APPENDIX B
A1.1 BUILDING FLOOR PLAN
A1.2 LIFE SAFETY PLAN
A2.1 SCHEDULES / DETAILS
A3.1 ELEVATIONS
A4.1 BUILDING SECTION

STRUCTURAL
S1 FOUNDATION PLAN

ELECTRICAL
E1 RISER DIAGRAM / DETAILS
E2 ELECTRICAL PLAN

PLUMBING
P1 PLUMBING PLAN



TYPICAL
03 TYPICAL PARTITION
3" = 1'0"

NORTH CAROLINA BUILDING CODE SUMMARY – NC 2018 BUILDING CODE

NAME OF PROJECT: A STRIP BUILDING FOR: CULVER FLEX SPACE
PROJECT ADDRESS: NC 42, HOLLY SPRINGS, NORTH CAROLINA 27540
OWNER / CONTACT: JEFF CULVER
PHONE #: TELEPHONE: 919.896.2280
EMAIL: thphomes@gmail.com
OWNED BY: ■ PRIVATE ☐ CITY/COUNTY ☐ STATE
CODE ENFORCEMENT: ☐ CITY ■ COUNTY ☐ STATE

DESIGN PROFESSIONALS

CONTACT: ROBERT C. EVANS, ARCHITECT

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	EMAIL
ARCHITECTURAL	ROBERT C. EVANS, ARCHITECT	ROBERT C. EVANS	6530	910.624.9259	rcearch@gmail.com
CIVIL	NO WORK				
ELECTRICAL	COASTAL PLAINS ENGINEERING	CHRISTOPHER LOCKLEAR	09079	910.521.7213	coastalplainseng@gmail.com
FIRE ALARM	NO WORK				
PLUMBING	COASTAL PLAINS ENGINEERING	CHRISTOPHER LOCKLEAR	09079	910.521.7213	coastalplainseng@gmail.com
MECHANICAL	NO WORK				
SPRINKLER	NO WORK				
STRUCTURAL	SUMMIT DESIGN GROUP	ROBERT ARMSTRONG, JR.	025488	910.876.0376	rpajr@twc.com
RETAINING WALL	NO WORK				
OTHER	NO WORK				

BUILDING CODE DATA

2018 NC BUILDING CODE: ■ NEW BUILDING ☐ ADDITION ☐ RENOVATION
☐ FIRST TIME INTERIOR COMPLETION
☐ SHELL/CORE – CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS
☐ PHASED CONSTRUCTION – SHELL/CORE – CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS

2018 NC EXISTING BUILDING CODE: EXISTING: ☐ PRESCRIPTIVE ☐ REPAIR ☐ CHAPTER 14
ALTERATION: ☐ LEVEL I ☐ LEVEL II ☐ LEVEL III
☐ HISTORIC PROPERTY ☐ CHANGE OF USE

CONSTRUCTED: (date) UNKNOWN — PREVIOUS OCCUPANCY: n/a
RENOVATED: (date) UNKNOWN — PROPOSED OCCUPANCY: STORAGE, S-2

RISK CATEGORY: (table 1604.5) PREVIOUS: ☐ I ☐ II ☐ III ☐ IV
PROPOSED: ☐ I ■ II ☐ III ☐ IV

BASIC BUILDING DATA

CONSTRUCTION TYPE: ☐ I-A ☐ II-A ☐ III-A ☐ IV-A ☐ V-A
☐ I-B ■ II-B ☐ III-B ☐ V-B

SPRINKLERS: ■ NO ☐ PARTIAL ☐ YES ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
STANDPIPES: ■ NO ☐ YES CLASS ☐ I ☐ II ☐ III ☐ WET ☐ DRY
FIRE DISTRICT: ■ NO ☐ YES FLOOD HAZARD AREA: ■ NO ☐ YES
BUILDING HEIGHT: 26'-0"± FEET 1 NUMBER OF STORIES ☐ UNLIMITED PER
MEZZANINE: ■ NO ☐ YES
HIGH RISE: ■ NO ☐ YES CENTRAL REFERENCE SHEET # (IF PROVIDED)
FLOOD HAZARD: ■ NO ☐ YES
SPECIAL INSPECTION REQUIRED: ■ NO ☐ YES CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS

GROSS BUILDING AREA TABLE:

FLOOR	TYPICAL SUITE	TOTAL GROSS
FIRST FLOOR	2,000	16,150
	TOTAL	16,150

ALLOWABLE AREA

PRIMARY OCCUPANCY CLASSIFICATION(S):
☐ ASSEMBLY ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
☐ BUSINESS
☐ EDUCATIONAL
☐ FACTORY ☐ F-1 MODERATE ☐ F-2 LOW
☐ HAZARDOUS ☐ H-1 DETONATE ☐ H-2 DEFLAGRATE ☐ H-3 COMBUST ☐ H-4 HEALTH ☐ H-5 HPM
☐ INSTITUTIONAL ☐ I-1 CONDITION ☐ 1 ☐ 2
☐ I-2 CONDITION ☐ 1 ☐ 2
☐ I-3 CONDITION ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ MERCANTILE
☐ RESIDENTIAL ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
■ STORAGE ☐ S-1 MODERATE ■ S-2 LOW ☐ HIGH-PILED
☐ PARKING GARAGE ☐ OPEN ☐ ENCLOSED ☐ REPAIR GARAGE
☐ UTILITY AND MISCELLANEOUS

ACCESSORY OCCUPANCY CLASSIFICATION: BUSINESS
INCIDENTAL USES (Table 509): N/A
SPECIAL USES (CHAPTER 4–LIST CODE SECTIONS): N/A
SPECIAL PROVISIONS (CHAPTER 5–LIST CODE SECTIONS): N/A
MIXED OCCUPANCY: ■ NO ☐ YES SEPARATION: _____ HR. EXCEPTION: _____

■ NON–SEPARATED MIXED OCCUPANCY (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ SEPARATED MIXED OCCUPANCY (508.4) – See below for area calculations
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
ACTUAL AREA OF OCCUPANCY A / ALLOWABLE AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B / ALLOWABLE AREA OF OCCUPANCY B ≤ 1

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR OPEN SPACE INCREASE[1,5]	(E) ALLOWABLE AREA OR UNLIMITED[2,3]
ONE	STORAGE, S–2	16,000	26,000	–	26,000
–	–	–	–	–	–
–	–	–	–	–	–

I = [F/P – 0.25] W/30

1 – FRONTAGE AREA INCREASES FROM SECTION 506.2.
2 – UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.
3 – MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES x D (MAXIMUM 3 STORIES) (506.2)
4 – THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4.
5 – FRONTAGE INCREASE IS BASED ON THE UNSPRINKLERED AREA VALUE IN TABLE 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
BUILDING HEIGHT IN FEET (TABLE 504.3)	55'	24'–4"±	N/A
BUILDING HEIGHT IN STORIES (TABLE 504.4)	2	1	N/A

1 – PROVIDE CODE REFERENCE IF THE "SHOWN ON PLANS" QUANTITY IS NOT BASED ON TABLE 504.3 OR 504.4.

FIRE RESISTANCE RATINGS

* ALL RATINGS APPLY WHEN INTERIOR UPFIT IS PERMITTED

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES							
BEARING WALLS							
EXTERIOR							
NORTH	30'±	N / A	0	–	–	–	–
EAST	30'±	N / A	0	–	–	–	–
WEST	10'	N / A	0	–	–	–	–
SOUTH	30'±	N / A	0	–	–	–	–
INTERIOR	N / A	N / A	0	–	–	–	–
NONBEARING WALLS AND PARTITIONS							
EXTERIOR							
NORTH	–	0	0	–	–	–	–
EAST	–	0	0	–	–	–	–
WEST	–	0	0	–	–	–	–
SOUTH	–	0	0	–	–	–	–
INTERIOR	–	0	0	–	–	–	–
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0	0	–	–	–	–
FLOOR CEILING ASSEMBLY		0	0	–	–	–	–
COLUMNS SOPPORTING FLOORS		0	0	–	–	–	–
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0	0	–	–	–	–
ROOF CEILING ASSEMBLY		0	0	–	–	–	–
COLUMNS SUPPORTING ROOF		0	0	–	–	–	–
SHAFTS ENCLOSURES – EXIT		0	0	–	–	–	–
SHAFTS ENCLOSURES – OTHER		0	0	–	–	–	–
CORRIDOR SEPARATION		0	0	–	–	–	–
OCCUPANCY / FIRE BARRIER SEPARATION		0	0	–	–	–	–
PARTY / FIRE WALL SEPARATION		2 HR	2 HR	02/COV1	U419	–	–
SMOKE BARRIER SEPARATION		0	0	–	–	–	–
SMOKE PARTITION		0	0	–	–	–	–
TENANT SEPARATION		0	1 HR	02/COV1	U419	–	–
INCIDENTAL USE SEPARATION		0	0	–	–	–	–

* INDICATE SECTION NUMBER PERMITTING REDUCTION

PERCENTAGE OF WALL OPENINGS CALCULATIONS

WALL	FIRE SEPARATION DISTANCE FROM PROPERTY LINES (FEET)	DEGREE OF OPENINGS PROTECTION TABLE 705.8	PERCENTAGE OF ALLOWABLE AREA	ACTUAL PERCENTAGE OF OPENING ON PLANS
NORTH	N/A	–	UL	UL
SOUTH	N/A	–	UL	UL
EAST	N/A	–	UL	UL
WEST	N/A	–	UL	UL

LIFE SAFETY SYSTEMS

EMERGENCY LIGHTING: ☐ NO ■ YES — SMOKE DETECTION SYSTEM: ■ NO ☐ YES
EXIT SIGNS: ☐ NO ■ YES — CARBON MONO. DETECTION: ■ NO ☐ YES
FIRE ALARM: ■ NO ☐ YES — PANIC HARDWARE: ■ NO ☐ YES

LIFE SAFETY PLAN A1.2

Check items that are applicable to this project:
■ Fire and/or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
■ Occupancy types for each area as it relates to occupant load calculations (Table 1004.1.1)
■ Occupant loads for each area
■ Exit access travel distance (1017)
■ Common path of travel distance (1006.2.1 & 1006.3.2(1))
☐ Dead end lengths (1020.4)
■ Clear exit widths for each exit door
■ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
■ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
☐ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors equipped with hold–open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (202)
☐ The square footage of each smoke compartment (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above

EXIT REQUIREMENTS — SEE PRE-ENGINEERED PLANS

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM[2] NUMBER OF EXITS REQUIRED	MINIMUM[2] NUMBER OF EXITS SHOWN ON PLANS	TRAVEL DISTANCE ALLOWABLE TRAVEL DISTANCE	TRAVEL DISTANCE ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	ARRANGEMENT MEANS OF EGRESS[1,3] REQUIRED DISTANCE BETWEEN EXIT DOORS	ARRANGEMENT MEANS OF EGRESS[1,3] ACTUAL DISTANCE SHOWN ON PLANS
SUITE	1	2	200'	39'–7"	N/A	N/A

EXIT WIDTH

USE GROUP OR SPACE DESCRIPTION	(a) AREA[1] SQ FT	(b) AREA[1] PER OCCUPANT	OCCUPANT CONTENT	(c) EGRESS WIDTH PER OCCUPANT (1005.3) STAIR	(c) EGRESS WIDTH PER OCCUPANT (1005.3) LEVEL	EXIT WIDTH (IN) REQUIRED WIDTH (a ÷ b) x c STAIR	EXIT WIDTH (IN) REQUIRED WIDTH (a ÷ b) x c LEVEL	EXIT WIDTH (IN) ACTUAL WIDTH SHOWN ON PLANS STAIR	EXIT WIDTH (IN) ACTUAL WIDTH SHOWN ON PLANS LEVEL
SUITE	2,000	–	–	N/A	0.2	N/A	–	N/A	72
TOTAL OCCUPANT		–							

ACCESSIBLE DWELLING UNITS — N/A

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
–	–	–	–	–	–	–	–

ACCESSIBLE PARKING (SECTION 1106) — N/A-SEE CIVVIL PLANS

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED VAN SPACES WITH REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
NEW	–	–	–	–	–	–
TOTAL REQUIRED	–	–	–	–	–	–
TOTAL PROVIDED	–	–	–	–	–	–

PLUMBING FIXTURE REQUIREMENTS

* FIXTURE COUNT WILL BE TABULATED FOR UPFIT PERMITS APPLY WHEN INTERIOR UPFIT IS PERMITTED

		WATERCLOSETS MALE	WATERCLOSETS FEMALE	WATERCLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS /TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE	SERVICE SINK
SPACE	EXIST'G	–		–	–	–		–	–	–	–	–
	NEW											
	REQ'D											

SPECIAL APPROVALS — N/A

(Describe special approvals from local jurisdictions, County of State Department of Health, NC Department of Insurance, International Code Council, etc.)

ENERGY SUMMARY -

EXISTING BUILDING ENVELOPE COMPLIES WITH CODE: ☐ NO ■ YES ☐ UNKNOWN
EXEMPT BUILDING: ☐ NO ☐ YES (CODE OR STATUTORY REF.)
CLIMATE ZONE: ■ 3A ☐ 4A ☐ 5A
METHOD OF COMPLIANCE: ENERGY CODE: ☐ PERFORMANCE ■ PRESCRIPTIVE
ASHRAE 90.1 ☐ PERFORMANCE ☐ PRESCRIPTIVE

ROOF/CEILING ASSEMBLY
DESCRIPTION OF ASSEMBLY: PRE–ENGINEERED STEEL w/ SIMPLE SAVER INSUL
U–VALUE OF TOTAL ASSEMBLY: 0.0333
R–VALUE OF INSULATION: R–30
SKYLIGHTS IN EACH ASSEMBLY: –
U–VALUE OF SKYLIGHT: –
TOTAL SQ.FT. OF SKYLIGHTS IN EACH ASSEMBLY: –

EXTERIOR WALLS
DESCRIPTION OF ASSEMBLY: 6" METAL STUDS
U–VALUE OF TOTAL ASSEMBLY: 0.05
R–VALUE OF INSULATION: R–19
OPENINGS
U–VALUE OF ASSEMBLY: –
SOLAR HEAT GAIN COEFFICIENT: –
PROJECTION FACTOR: –
DOOR R–VALUE: R–6

WALLS BELOW GRADE
DESCRIPTION OF ASSEMBLY: –
U–VALUE OF TOTAL ASSEMBLY: –
R–VALUE OF INSULATION: –

FLOORS OVER UNCONDITIONED SPACE
DESCRIPTION OF ASSEMBLY: –
U–VALUE OF TOTAL ASSEMBLY: –
R–VALUE OF INSULATION: –

FLOORS SLAB ON GRADE
DESCRIPTION OF ASSEMBLY: –
U–VALUE OF TOTAL ASSEMBLY: –
R–VALUE OF INSULATION: –
HORIZONTAL/VERTICAL REQUIREMENT: –
SLAB HEATED: –

STRUCTURAL DESIGN — SEE PRE-ENGINEERED PLANS

DESIGN LOADS:
IMPORTANCE FACTORS: SNOW – SEISMIC –
LIVE LOADS: ROOF – MEZZANINE – FLOOR –
GROUND SNOW LOADS: – psf
WIND LOADS: BASIC WIND SPEED – mph (ASCE–7) EXPOSURE CATEGORY –

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ D
PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:
RISK CATEGORY (Table 1604.5): ☐ 1 ☐ 2 ☐ 3 ☐ 4
SPECTRAL RESPONSE ACCELERATION: Sms: – %g Sm1: – %g
SITE CLASSIFICATION: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
DATA SOURCE: ☐ FIELD TEST ☐ PRESUMPTIVE ☐ HISTORICAL DATA
BASIC STRUCTURAL SYSTEM: ☐ BEARING WALL ☐ DUAL w/ SPECIAL MOMENT FRAME
☐ BUILDING FRAME ☐ DUAL w/ INTERMEDIATE R/C OR SPECIAL STEEL
☐ MOMENT FRAME ☐ INVERTED PENDULUM
ANALYSIS PROCEDURE: ☐ SIMPLIFIED ☐ EQUIVALENT LATERAL FORCE ☐ DYNAMIC
ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED: ☐ YES ☐ NO

LATERAL DESIGN CONTROL: ☐ EARTHQUAKE ☐ WIND

SOIL BEARING CAPACITY:
FIELD TEST: – psf
PRESUMPTIVE BEARING CAPACITY: 2,000 psf
PILE SIZE, TYPE AND CAPACITY: –

SPECIAL INSPECTIONS CHAPTER 17 — N/A

SPECIAL INSPECTIONS SHALL BE CONDUCTED ON ALL PROJECTS THAT FALL WITHIN BUILDING CATEGORIES AND/OR CONTAIN ELEMENTS SUBJECT TO SPECIAL INSPECTIONS AS PRESCRIBED BY REVISED SECTION 1704.

To schedule the required preconstruction meeting with the City of Raleigh please call 807–5111

List whom will inspect the required special inspections
Fabricator of load bearing components –
Soil tests –
Concrete, caissons, piles, piers, precast –
Post tension concrete –
Modular construction –
Steel and connections, welds, bolts, anchors –
Fire spray tests –
Smoke control –
Seismic, wind designs, Quality Assurance –
Retaining wall –
Masonry –
Wood –
Alternate Methods –
EFIS –
Other (describe) –
Other (describe) –
Owner or agent –

ELECTRICAL SUMMARY — N/A - SEE PME

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: ☐ Prescriptive ☐ Performance ☐ Energy Cost Budget

* Provide a standard riser diagram which indicates designated points for check metering.
* Provide a standard panel schedule description which identifies different end use loads.

Lighting schedule
Lamp type required in fixture
Number of lamps in fixture
Ballast type used in the fixture
Number of ballasts in fixture
Total wattage per fixture
Total interior wattage specified vs. allowed
Total exterior wattage specified vs. allowed

Equipment schedules with motors (not used for mechanical systems)
Motor horsepower
Number of phases
Minimum efficiency
Motor type
# of poles

MECHANICAL SUMMARY — N/A - SEE PME

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Method of Compliance: ☐ Prescriptive ☐ Performance ☐ Energy Cost Budget
THERMAL ZONE
Exterior design conditions
Winter dry bulb
Summer dry bulb
Interior design conditions
Winter dry bulb
Summer dry bulb
Relative humidity
BUILDING HEATING LOAD
BUILDING COOLING LOAD
MECHANICAL SPACING CONDITIONING SYSTEM
Unitary
Description of unit
Heating efficiency
Cooling efficiency
Heat output of unit
Cooling output of unit
Boiler
Total boiler output. If oversized, state reason.
Chiller
Total chiller capacity. If oversized, state reason.
LIST EQUIPMENT EFFICIENCIES
EQUIPMENT SCHEDULES WITH MOTORS (mechanical systems)
Motor horsepower
Number of phases
Minimum efficiency
Motor type
# of poles

SHELL VARIABLE FORM -

Check each applicable line to match scope of work. Edit as necessary to provide clear detail of installation.

MECHANICAL:
■ No work ☐ Equipment set___ with___ without power ☐ Gas line
☐ Trunk line installed___ with___ without outlets ☐ Install complete operational system
☐ Other

PLUMBING:
■ No work ☐ Install water service and sewer ☐ Install complete plumbing system
☐ Install building drain___ and___ or water distribution main___ with___ without branches
☐ Other

SPRINKLER:
☐ Install complete plumbing system

BUILDING:
■ Install slab__x__ partial___ complete ☐ Install demising walls
☐ Install interior partitioning___ partial___ complete ☐ Install ceilings
☐ White box (additional interior completion permits are required for Certificate of Occupancy and power)
☐ Other

ELECTRICAL:
■ House panel (CONNECTING TO) ☐ Service laterals to meter centers/panels located on buildings
☐ Demise wall and ceilings only ☐ Conduit, duct, raceway, in slab
☐ Power and lighting circuits to "J" Box ☐ Install light fixtures
☐ Install ___ Heat/AC___ Elevator___ Generator___ Parking lot lighting
☐ Install complete system
☐ Other

Please Provide full information on any Alternative Methods and Means incorporated into the design of this project. Provide specific details and incorporate into plan submittal any supporting documents or agreement letters.

WALL LEGENDS

☐ FIRE PARTITIONS 709 ☐ FIRE WALLS 706 ☐ FIRE BARRIERS 707
☐ SMOKE PARTITIONS 711 ☐ SMOKE BARRIERS 710 ☐ SHAFT ENCLOSURE 708

ROBERT C. EVANS REGISTERED ARCHITECT 6530 NORTH CAROLINA FAYETTEVILLE, N.C.

12.17.25

ROBERT CHARLES EVANS ARCHITECT A R C H I T E C T U R E
844 Montclair Road Fayetteville North Carolina 28314

Culver Flex Space

Drawing Name:
Appendix B

Project Name:
A Commercial Building for:
Culver Flex Space

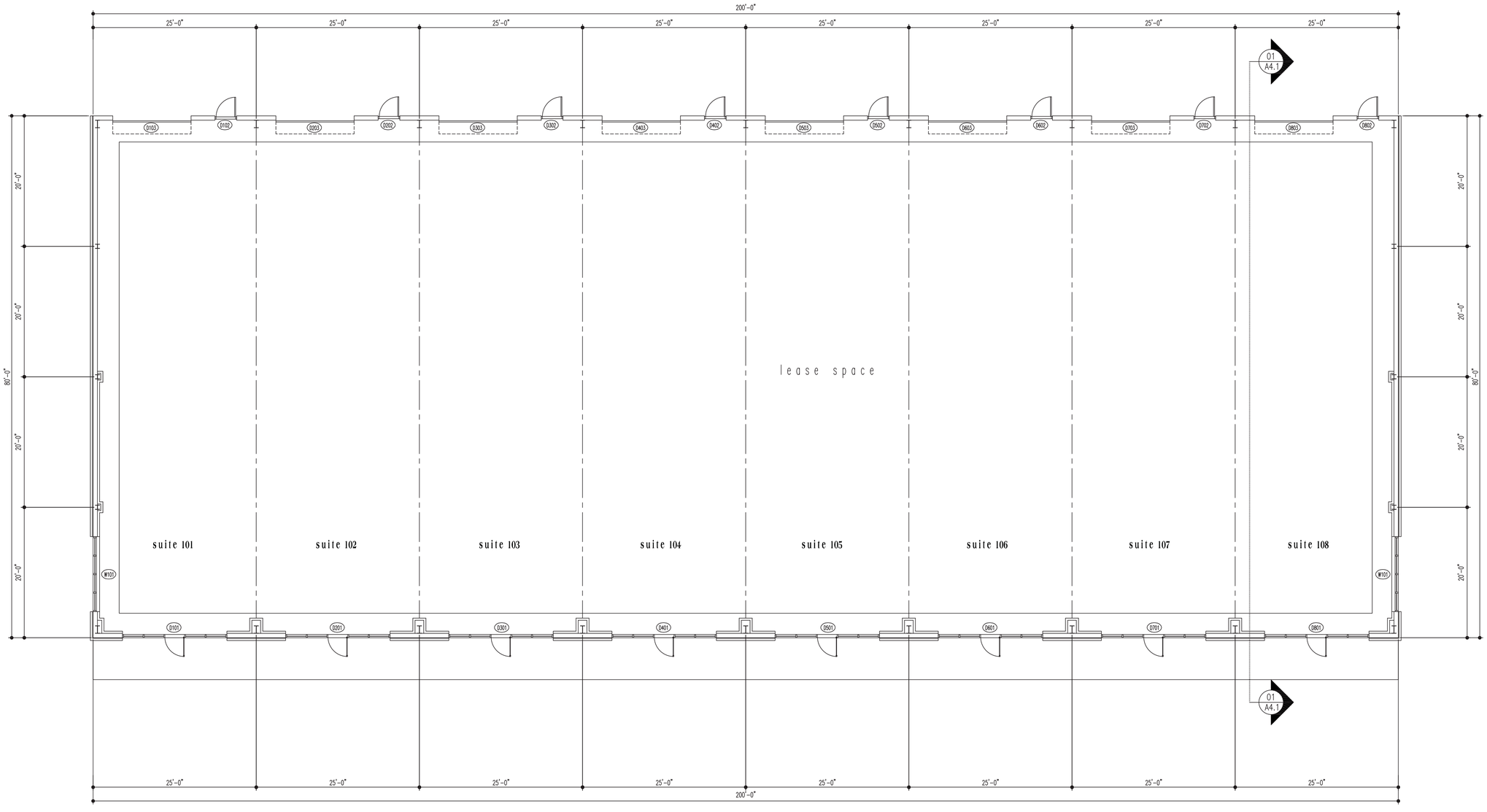
Project Location:
NC 42
Holly Springs
North Carolina 27540

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PROJECT NO:	25–077
DRAWN BY:	RCE.jec
DATE:	12.13.25
REVISIONS:	

SHEET NO:
A0.2



NOTES:

1. A 2 HOUR FIRE WALL (AS PER DETAIL 02/A0.1) NEEDS TO BE NSTALLED DURING INTERIOR UPFIT TO SEPARATE THE BUILDING INTO TWO SPACES LESS THAN 12,000sf FIRE AREA.
2. A 1 HOUR TENANT SEPARATION WALL (AS PER DETAIL 02/A0.1) NEEDS TO BE NSTALLED DURING INTERIOR UPFIT. EXTEND WALL TO ROOF DECK. SEE NCBC 2018, SECTION 508

01 BUILDING FLOOR PLAN
1/8" = 1'-0"

ROBERT C. EVANS
REGISTERED ARCHITECT
6330
NORTH CAROLINA
FAYETTEVILLE, N.C.

12.17.25

ROBERT CHARLES EVANS
ARCHITECT
ARCHITECTURE
844 Montclair Road Fayetteville North Carolina 28314

Culver Flex Space

Drawing Name:
Building Floor Plan

Project Name:
A Commercial Building for:
Culver Flex Space

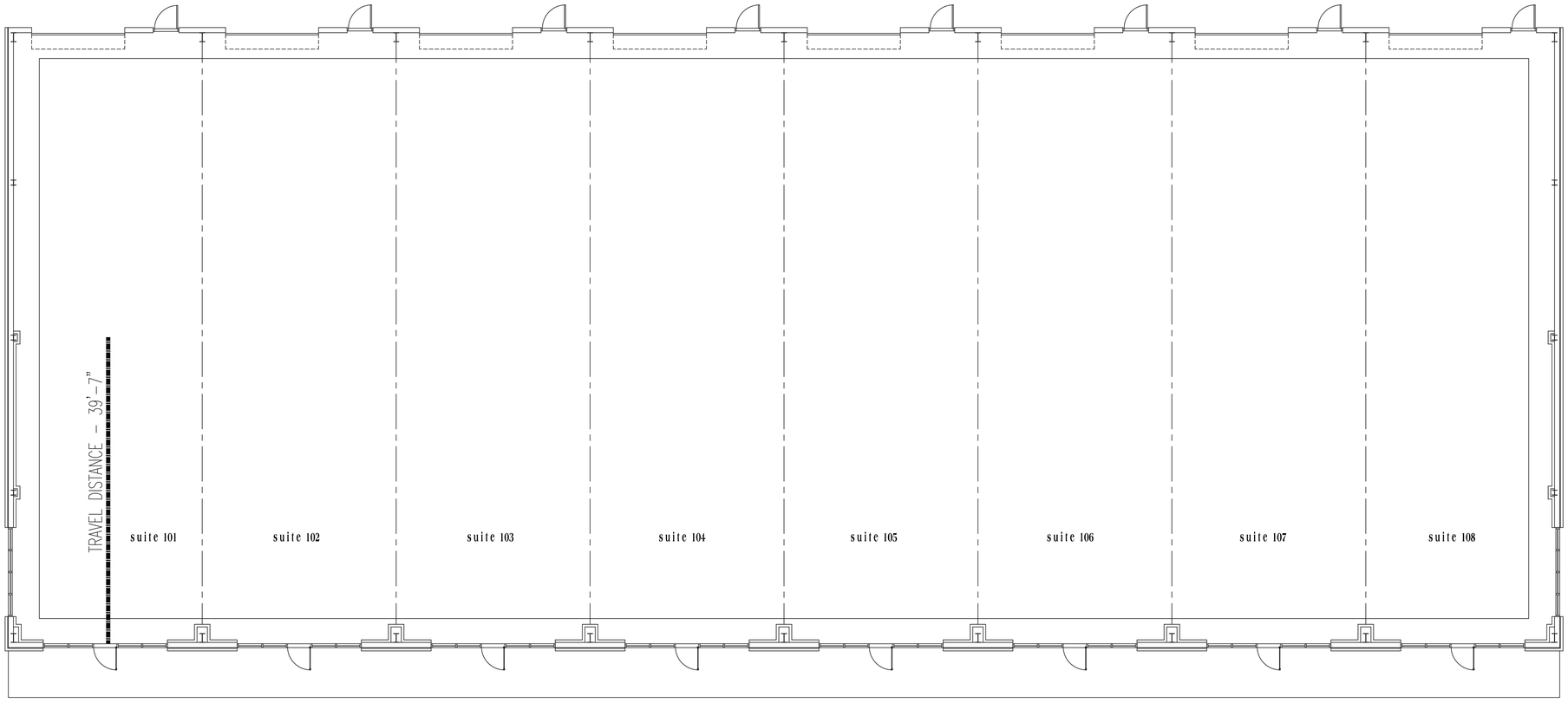
Project Location:
NC 42
Holly Springs
North Carolina 27540

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PROJECT NO:	25-077
DRAWN BY:	RCE.jec
DATE:	11.09.25
DATE:	

SHEET NO:
A1.1



NOTES:

1. ALL EXIT AND EGRESS LIGHTING TO BE INSTALLED DURING INTERIOR UPFIT.

01 LIFE SAFETY FLOOR PLAN
1/8" = 1'-0"

ROBERT C. EVANS
REGISTERED ARCHITECT
FAYETTEVILLE, N. CAROLINA

12.17.25

ROBERT CHARLES EVANS
ARCHITECT
ARCHITECTURE
844 Montclair Road Fayetteville North Carolina 28314

Culver Flex Space

Drawing Name:
Life Safety Floor Plan

Project Name:
A Commercial Building for:
Culver Flex Space

Project Location:
NC 42
Holly Springs
North Carolina 27540

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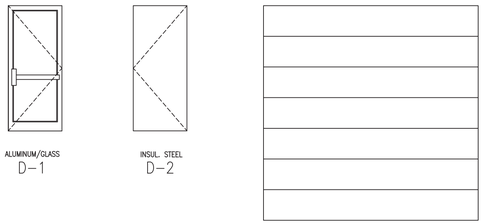
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PROJECT NO:	25-077
DRAWN BY:	RCE,jec
DATE:	11.09.25
DATE:	

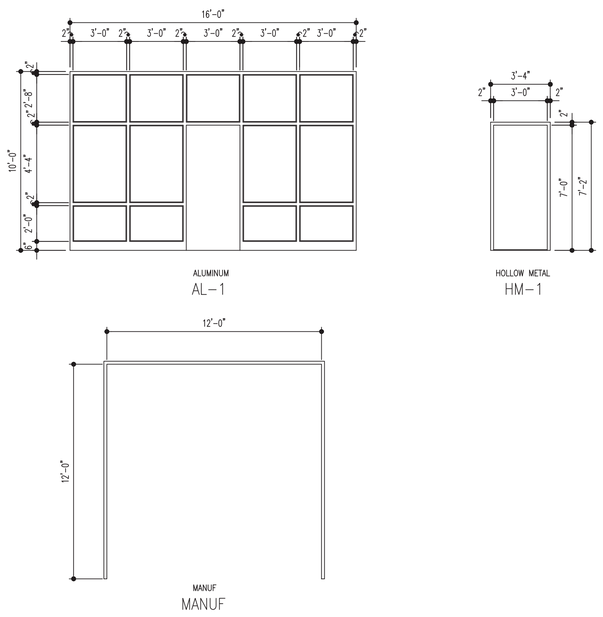
SHEET NO:
A1.2

DOOR SCHEDULE

DOOR						FRAME		HDWRE SET	REMARKS
DOOR NUMBER	TYPE	MATERIAL	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL		
D101	D-1	ALUM/GLASS	3'-0"	7'-0"	1-3/4"	AL-1	ALUMINUM	DEADBOLT	
D102	D-2	STEEL	3'-0"	7'-0"	1-3/4"	HM-1	STEEL	KEYED	INSULATED DOOR
D103	D-3	MANUF	12'-0"	14'-0"	–	MANUF	–	MANUF	
D201	D-1	ALUM/GLASS	3'-0"	7'-0"	1-3/4"	AL-1	ALUMINUM	DEADBOLT	
D202	D-2	STEEL	3'-0"	7'-0"	1-3/4"	HM-1	STEEL	KEYED	INSULATED DOOR
D203	D-3	MANUF	12'-0"	12'-0"	–	MANUF	–	MANUF	
D301	D-1	ALUM/GLASS	3'-0"	7'-0"	1-3/4"	AL-1	ALUMINUM	DEADBOLT	
D302	D-2	STEEL	3'-0"	7'-0"	1-3/4"	HM-1	STEEL	KEYED	INSULATED DOOR
D303	D-3	MANUF	12'-0"	12'-0"	–	MANUF	–	MANUF	
D401	D-1	ALUM/GLASS	3'-0"	7'-0"	1-3/4"	AL-1	ALUMINUM	DEADBOLT	
D402	D-2	STEEL	3'-0"	7'-0"	1-3/4"	HM-1	STEEL	KEYED	INSULATED DOOR
D403	D-3	MANUF	12'-0"	12'-0"	–	MANUF	–	MANUF	
D501	D-1	ALUM/GLASS	3'-0"	7'-0"	1-3/4"	AL-1	ALUMINUM	DEADBOLT	
D502	D-2	STEEL	3'-0"	7'-0"	1-3/4"	HM-1	STEEL	KEYED	INSULATED DOOR
D503	D-3	MANUF	12'-0"	12'-0"	–	MANUF	–	MANUF	
D601	D-1	ALUM/GLASS	3'-0"	7'-0"	1-3/4"	AL-1	ALUMINUM	DEADBOLT	
D602	D-2	STEEL	3'-0"	7'-0"	1-3/4"	HM-1	STEEL	KEYED	INSULATED DOOR
D603	D-3	MANUF	12'-0"	12'-0"	–	MANUF	–	MANUF	
D701	D-1	ALUM/GLASS	3'-0"	7'-0"	1-3/4"	AL-1	ALUMINUM	DEADBOLT	
D702	D-2	STEEL	3'-0"	7'-0"	1-3/4"	HM-1	STEEL	KEYED	INSULATED DOOR
D703	D-3	MANUF	12'-0"	12'-0"	–	MANUF	–	MANUF	
D801	D-1	ALUM/GLASS	3'-0"	7'-0"	1-3/4"	AL-1	ALUMINUM	DEADBOLT	
D802	D-2	STEEL	3'-0"	7'-0"	1-3/4"	HM-1	STEEL	KEYED	INSULATED DOOR
D803	D-3	MANUF	12'-0"	12'-0"	–	MANUF	–	MANUF	



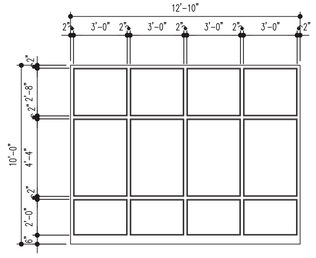
DOOR TYPES
1/4" = 1'0"



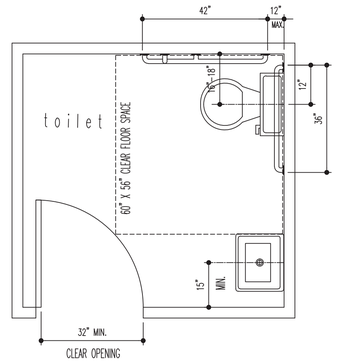
FRAME TYPES
1/4" = 1'0"

WINDOW SCHEDULE

MARK	DESCRIPTION	TYPE	WIDTH	HEIGHT	FRAME	GLASS	HEAD HEIGHT	REMARKS
W101	FIXED	W-1	12'-10"	10'-0"	ALUMINUM	–	10'-0"	–

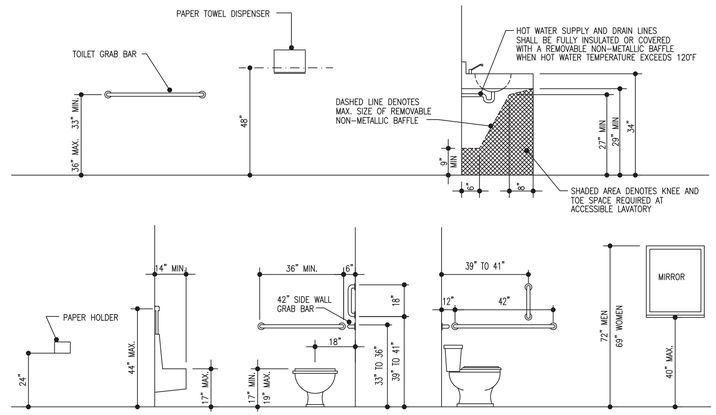


WINDOW TYPES
1/4" = 1'0"

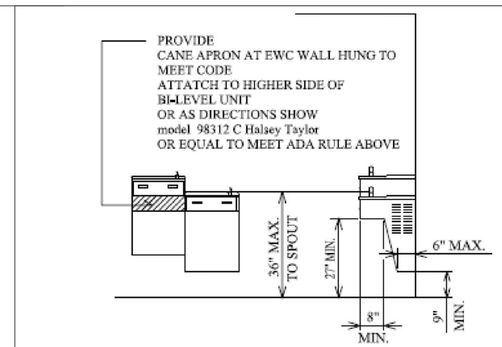


WALL FINISH IN TOILET ROOM TO BE FRP, CERAMIC TILE OR EPOXY PAINT, ETC., UP 48" AFF MINIMUM

01 TYPICAL TOILET DIMENSIONS
1/2" = 1'0"



02 ACCESSORY MOUNTING HEIGHTS - ADULTS
3/8" = 1'0"



03 HI/LO WATER COOLER-ACCESSIBILTY
NO SCALE

NOTES:
1. TOILET ROOM AND WATER FOUNTAIN DETAILS ARE FOR UPFIT ONLY.

ROBERT C. EVANS REGISTERED ARCHITECT 5838 FAYETTEVILLE, N.C. NORTH CAROLINA

12.17.25

ROBERT CHARLES EVANS ARCHITECT
ARCHITECTURE
844 Montclair Road Fayetteville North Carolina 28314

Culver Flex Space

Drawing Name:
Schedules

Project Name:
A Commercial Building for:
Culver Flex Space

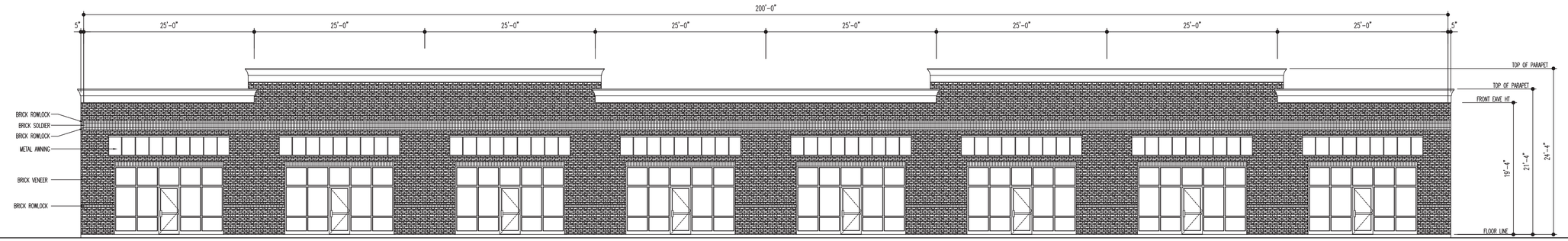
Project Location:
NC 42
Holly Springs
North Carolina 27540

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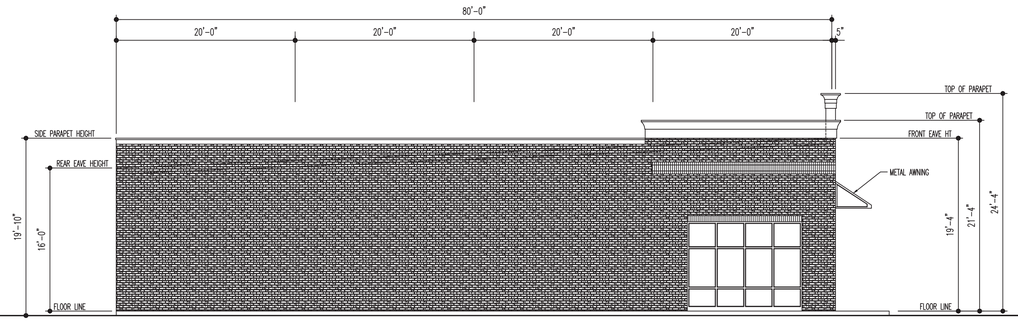
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PROJECT NO:	25-077
DRAWN BY:	RCE,jec
DATE:	11.09.25
DATE:	

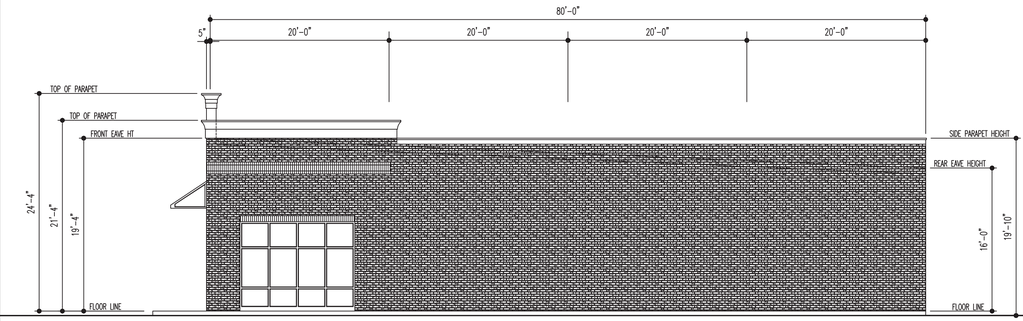
SHEET NO:
A2.1



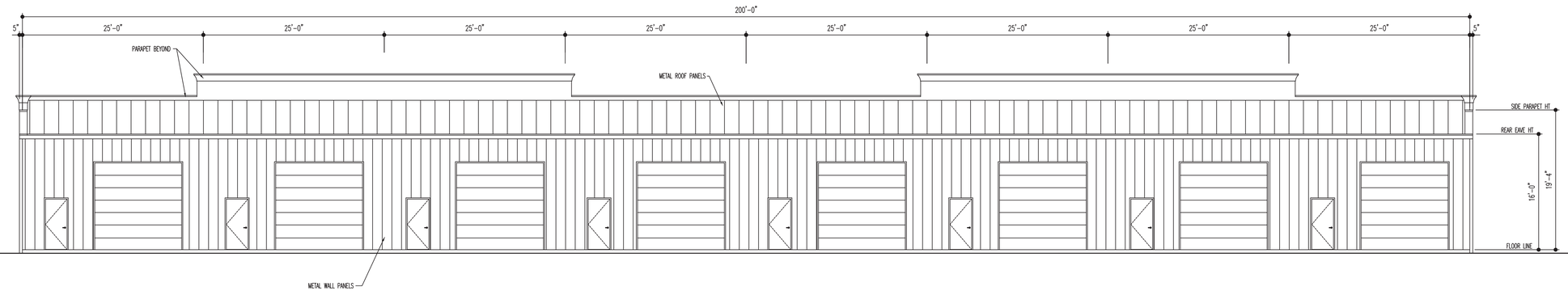
01 FRONT ELEVATION
1/8" = 1'-0"



02 LEFT SIDE ELEVATION
1/8" = 1'-0"



03 RIGHT SIDE ELEVATION
1/8" = 1'-0"



04 REAR ELEVATION
1/8" = 1'-0"

ROBERT C. EVANS
REGISTERED ARCHITECT
NORTH CAROLINA
FAYETTEVILLE, N.C.

12.17.25

ROBERT CHARLES EVANS
ARCHITECT
ARCHITECTURE
844 Montclair Road Fayetteville North Carolina 28314

Culver Flex Space

Drawing Name:
Exterior Elevations

Project Name:
A Commercial Building for:
Culver Flex Space

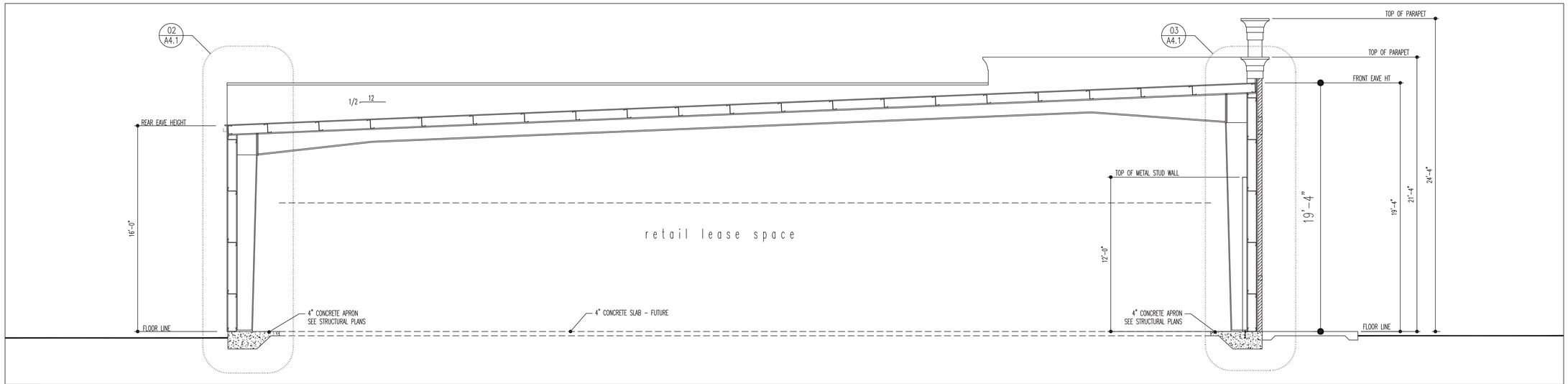
Project Location:
NC 42
Holly Springs
North Carolina 27540

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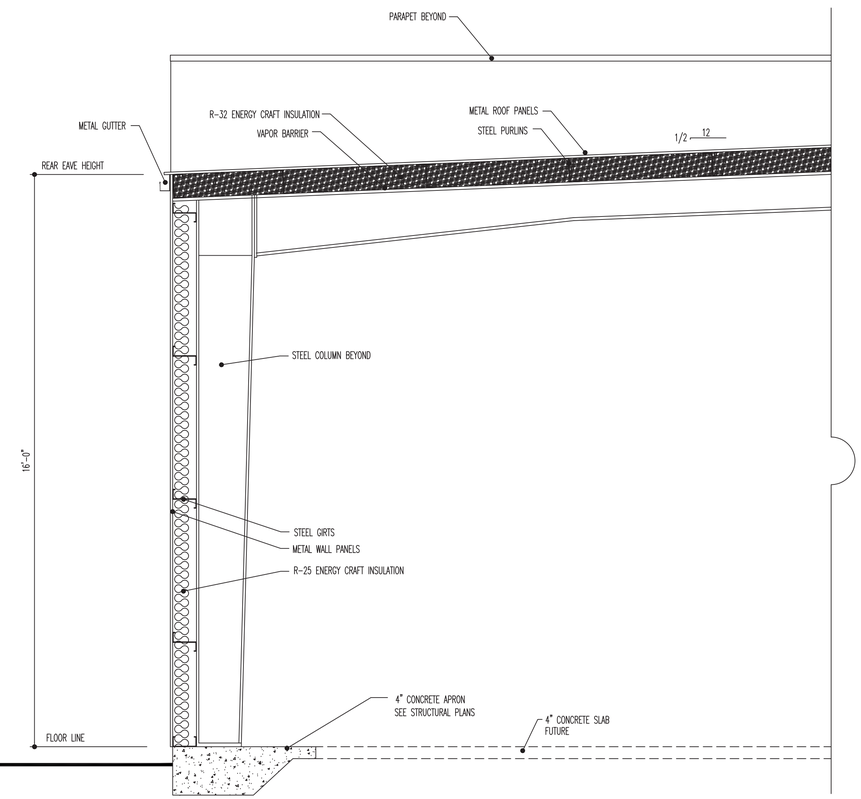
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PROJECT NO:	25-077
DRAWN BY:	RCE,jec
DATE:	11.09.25
DATE:	

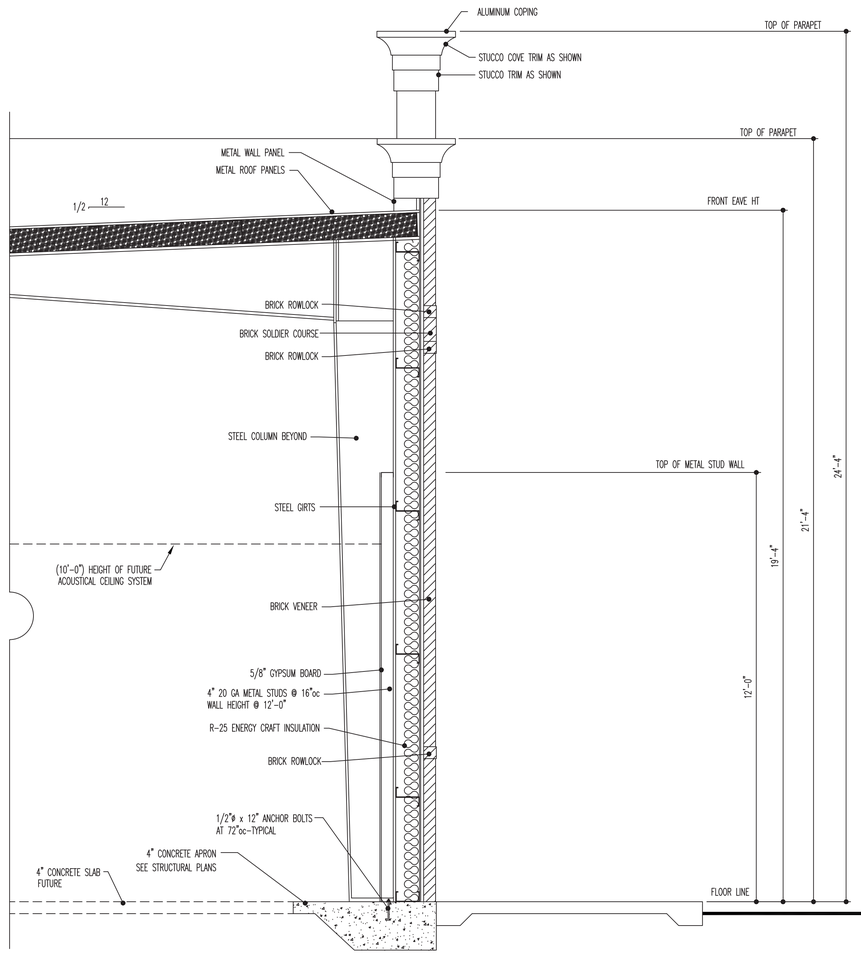
SHEET NO:
A3.1



01 BUILDING SECTION
1/4" = 1'-0"



02 WALL SECTION
1/2" = 1'-0"



03 WALL SECTION
1/2" = 1'-0"

ROBERT C. EVANS
REGISTERED ARCHITECT
30
NORTH CAROLINA
FAYETTEVILLE, N. C.

12.17.25

ROBERT CHARLES EVANS
ARCHITECT
ARCHITECTURE
844 Montclair Road Fayetteville North Carolina 28314

Culver Flex Space

Drawing Name:
Building Section
Wall Sections

Project Name:
A Commercial Building for:
Culver Flex Space

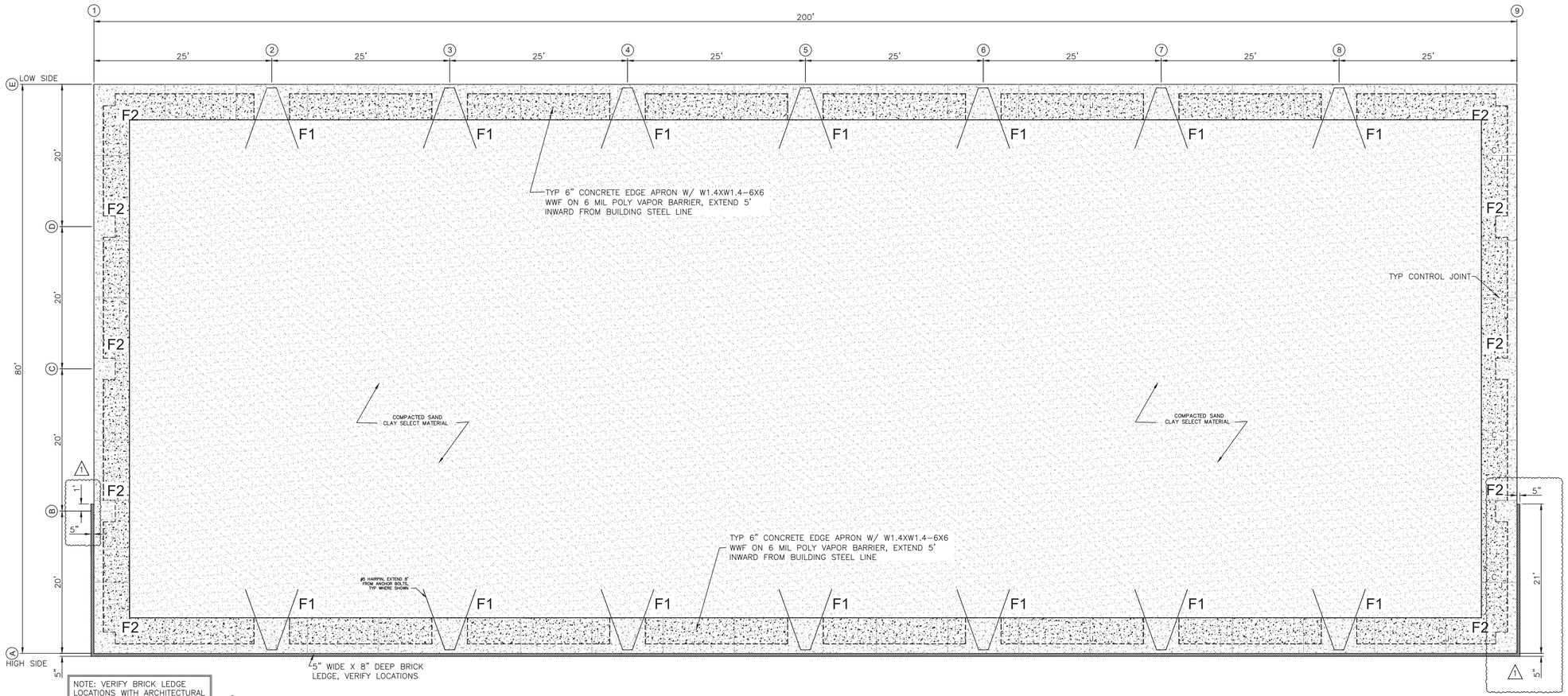
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North Carolina 27540

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DATE:	11.09.25
DATE:	

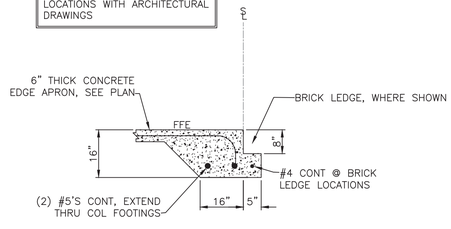
SHEET NO:
A4.1



NOTE: VERIFY BRICK LEDGE LOCATIONS WITH ARCHITECTURAL DRAWINGS

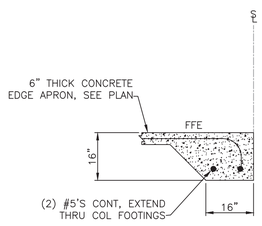
FOUNDATION PLAN

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



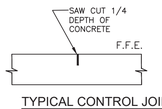
CONT. PERIMETER TURNDOWN FOOTING DETAIL W/ BRICK LEDGE

NTS



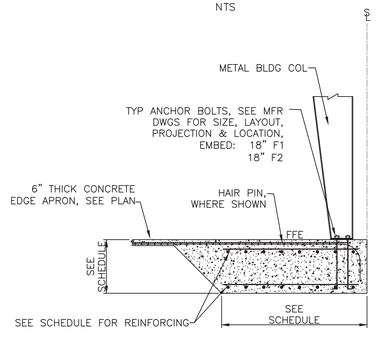
CONT. PERIMETER TURNDOWN FOOTING DETAIL

NTS



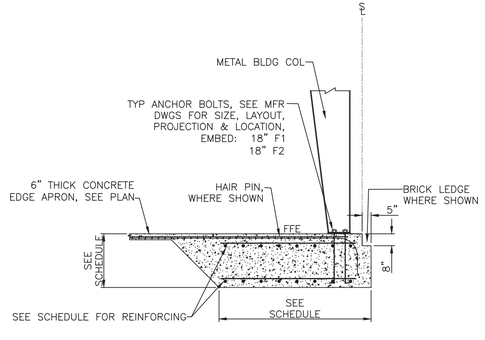
TYPICAL CONTROL JOINT

N.T.S.



TYPICAL COLUMN FOOTING DETAIL

NTS



TYPICAL COLUMN FOOTING DETAIL W/ BRICK LEDGE

NTS

FOOTING	WIDTH	LENGTH	DEPTH	REINFORCEMENT
F1	5'-0"	5'-0"	2'-0"	(6) # 5, EA. WAY, TOP & BOTTOM
F2	3'-0"	3'-0"	2'-0"	(3) # 5, EA. WAY, BOTTOM ONLY

NOTES:

1. ALL CONCRETE TO HAVE MIN. 28 DAY COMPRESSIVE STRENGTH OF 3500 PSI.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS W/ METAL BUILDING MANUFACTURER'S DRAWINGS.
3. CONCRETE FOOTINGS AND SLAB TO BE PLACED ON COMPACTED SELECT MATERIAL MIN. 100% DENSITY – SELECT FILL PLACED & COMPACTED IN 6" LIFTS. ASSUMED SOIL BEARING CAPACITY = 2000 PSF.
4. CONSTRUCTION JOINTS TO BE SPACED MAX. 10' O/C.
5. SEE MANUFACTURER'S ANCHOR PLANS FOR ANCHOR BOLT LAYOUT, QUANTITY, SIZE & PROJECTION.
6. REINFORCING STEEL SHALL BE 60 KSI., ASTM A 615.
7. SEE MANUFACTURER'S DRAWINGS FOR FRAMED OPENING LOCATIONS.
8. CONT. REINFORCING STEEL SHALL HAVE 24 BAR DIA LAP OR MIN. 12".
9. CLEAR DISTANCE FOR ALL REINFORCING SHALL BE 3", UON.
10. PROVIDE CORNER BARS AT ALL FOOTING CORNERS. CORNER BARS SHALL HAVE THE SAME SIZE AND SPACING AS MAIN REINFORCING AND SHALL HAVE A MIN 48" LAP.
11. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 & A 82.
12. FLOOR LIVE LOAD DESIGN = 125 PSF
13. FOUNDATION DESIGNED USING REACTIONS PROVIDED BY THE METAL BUILDING MFR AND IN ACCORDANCE TO THE 2018 NC BUILDING CODE FOR 115 ULTIMATE WIND SPEED.
14. FOOTING AND SLAB SHALL BE POURED MONOLITHICALLY.
15. FLATNESS AND LEVELNESS IN ACCORDANCE W/ ACI 117 FF25/FL20

1 UPDATE BRICK LEDGE LOCATION

Robert Armstrong

Digitally signed by Robert Armstrong
Date: 2026.01.23 11:10:18 -05'00'

SUMMIT DESIGN GROUP, INC
STRUCTURAL • CIVIL • MECHANICAL • ELECTRICAL
1720 PEARLIE COURT SW
OCEAN ISLE BEACH, NC 28469
910-876-0376
FIRM LICENSE C-2885

ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 025468 ENGINEER ROBERT P. ARMSTRONG JR.

DRAWING DATA

DATE:	11/13/25
SCALE:	1/8" = 1'-0"
DRAWN BY:	RPA
DESIGNED BY:	RPA
CHECKED BY:	
PLOT SCALE:	N/A
CAD FILE NO:	S-1

CULVER FLEX SPACE

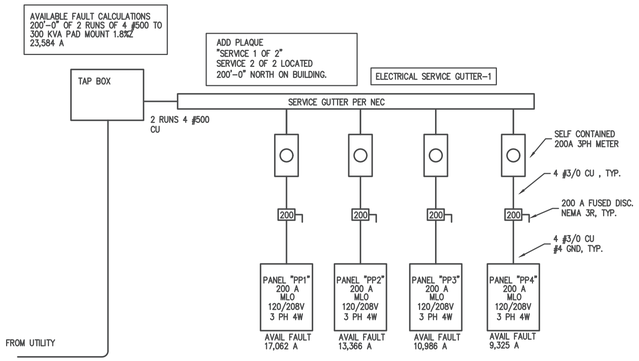
NC HWY 42, HOLLY SPRINGS, NC

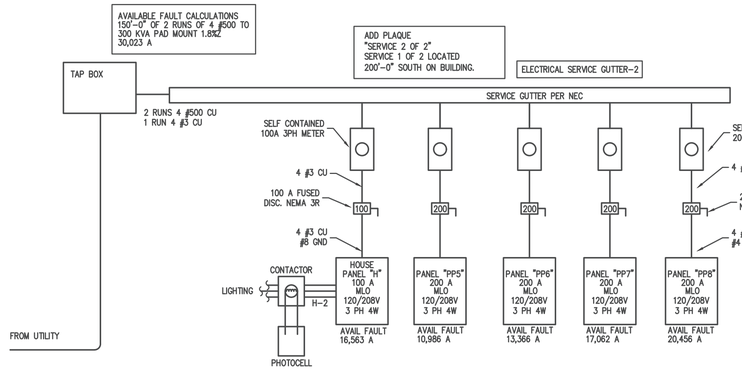
FOUNDATION PLAN

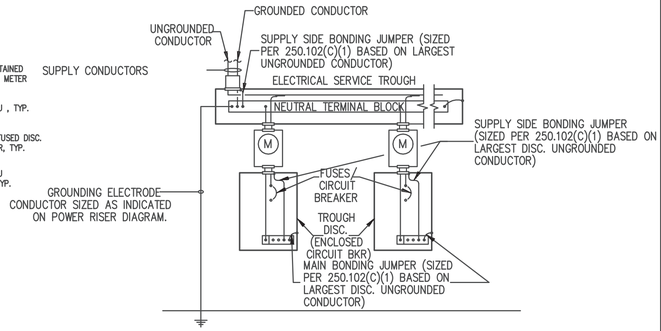
NO.	REVISION
1	1/23/26

SHEET

S-1







GROUNDING DETAIL NOTES:

1. GROUNDING ELECTRODES SHALL BE PROVIDED IN ACCORDANCE WITH NEC 250.52(A).
2. GROUNDING ELECTRODES SHALL BE INSTALLED IN ACCORDANCE WITH NEC 250.53.

4 E1 GUTTER GROUNDING DIAGRAM
N.T.S

ELECTRICAL LOAD SUMMARY

LOAD TYPE	
RETAIL SPACES	18210 VA
RETAIL SPACES	18210 VA
RETAIL SPACES	18210 VA
RETAIL SPACES	18210 VA
	18210 VA
TOTAL	91050 VA

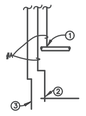
SERVICE SIZING LOAD = 91.050 KW

1 E1 ELECTRIC RISERS
N.T.S.

ELECTRICAL LOAD SUMMARY

LOAD TYPE	
HOUSE PANEL	6190 VA
RETAIL SPACES	18210 VA
RETAIL SPACES	18210 VA
RETAIL SPACES	18210 VA
RETAIL SPACES	18210 VA
TOTAL	79.030 VA

SERVICE SIZING LOAD = 79.030 KW



A=#4 CU PP1-8
A=#8 CU PANEL H.

TYPICAL GROUNDING

GROUNDING ELECTRODE DETAILS

GROUNDING ELECTRODE CONDUCTORS SHALL BE #4 BARE COPPER. OTHER MATERIAL AND INSTALLATION PER NEC 250

1. CONNECT TO METALIC WATER PIPE AS REQ'D.
2. #A COPPER GROUND PLACED TO BLDG STEEL
3. 3/4"x10' LONG COPPER CLAD GROUNDING ROD W/ #6 COPPER GROUND.

H

ROOM
MOUNTING FLUSH
FED FROM UTILITY
NOTE

VOLTS 208Y/120V 3P 4W
BUS AMPS 100
NEUTRAL 100%

AIC 22,000
MAIN BKR MLO
LUGS STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	B	C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	B	C
1	20/1	LIGHTING	0.362			2	30/2	DUPLEX CONTROL PLANEL	1.92		
3	20/1	LIGHTING		0.72		4	|			1.92	
5	20/1	RECEPTACLE			0.36	6	20/1	SPACE			0
7	20/1	SPACE	0			8	20/1	SPACE	0		
9	20/1	SPACE		0		10	20/1	SPACE		0	
11	20/1	SPACE			0	12	20/1	SPACE			0
13	20/1	SPACE	0			14	20/1	SPACE	0		
15	20/1	SPACE		0		16	20/1	SPACE		0	
17	20/1	SPACE			0	18	20/1	SPACE			0
19	20/1	SPACE	0			20	20/1	SPACE	0		
		TOTAL CONNECTED KVA BY PHASE							2.28	2.64	0.36

	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LIGHTING	1.08	1.35	(125%)	MOTORS	3.84	3.84	(100%)
LARGEST MOTOR	1.92	0.48	(25%)	RECEPTACLES	0.36	0.36	(50%>10)
				TOTAL LOAD		6.03	
				BALANCED 3-PHASE LOAD		16.7 A	

CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY FOR SERVICE. A COMPLETE AND WORKING SYSTEM IS REQUIRED FOR COMPLIANCE WITH THESE DOCUMENTS. DETERMINE THE POINT OF CONNECTION TO THE UTILITY WITH THE UTILITY REPRESENTATIVE AND PROVIDE ACCORDINGLY FOR A COMPLETE WORKING SYSTEM.

WIRE AND CABLE SHALL BE INSULATED, TYPE THWN OR THHN, 600 VOLTS, WITH COPPER CONDUCTORS. CONDUCTOR SIZES NO. 8 AWG AND LARGER MAY BE STRANDED. CONDUCTORS SIZES NO. 10 AWG AND SMALLER MAY BE SOLID OR STRANDED. NO ROMEX PERMITTED.

EMT SHALL BE GALVANIZED STEEL TUBING, 1/2-INCH MINIMUM SIZE, EQUAL TO ELECTRUNITE BRAND OR APPROVED AND USED ONLY WITH HEXAGONAL ALL STEEL COMPRESSION FITTINGS.

PLASTIC CONDUIT SHALL BE RIGID, 3/4-INCH MINIMUM NON-METALLIC, HEAVY DUTY, HIGH IMPACT, POLYVINYLCHLORIDE (PVC), TYPE I WILL BE USED FOR CONCRETE ENCASEMENT. FITTINGS SHALL BE THE SAME MATERIALS AND MANUFACTURER AS THE PLASTIC CONDUIT.

FLEXIBLE METAL CONDUIT SHALL BE 1/2- INCH MINIMUM SINGLE STRIP, STEEL, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE, MAXIMUM LENGTH 72 INCHES FOR LIGHTING AND 36" FOR MOTORS. FLEXIBLE METAL CONDUIT SHALL BE LIQUIDTIGHT OR WATERTIGHT WITH PVC JACKET WHERE USED IN DAMP, WET OR OUTSIDE AREAS, AND LIQUIDTIGHT OR WATERTIGHT CONNECTORS SHALL BE USED.

NO RECEPTACLES OR TEL. OUTLETS TO BE MOUNTED BACK TO BACK, KEEP AT LEAST 2 INCHES BETWEEN RECEPTACLES AND TEL. OUTLETS.

ALL CONDUCTOR SHALL BE COPPER WITH A MINIMUM SIZE OF #12 AWG EXCEPT FOR FIRE ALARM. THESE CONDUCTORS SHOULD COMPLY WITH NFPA.

CONTRACTOR SHALL ALIGN FIXTURES, SMOKE DETECTORS, CEILING DIFFUSERS ETC. AS REQUIRED TO PROVIDE A UNIFORM PRESENTATION. AT NO TIME WILL AN IONIZATION DETECTOR BE LOCATED WITHIN 3'-0" OF A SUPPLY OR RETURN AIR GRILLE.

CIRCUIT BREAKERS AND WIRE ARE SIZED FOR SPECIFIC EQUIPMENT. BEFORE ORDERING WIRE, BREAKERS AND CONDUIT FOR THIS PROJECT THE CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS ON THE JOB AND VERIFY THE ELECTRICAL DATA FOR THE EQUIPMENT WHICH WILL ACTUALLY BE INSTALLED, RECOMPUTING WIRE AND BREAKER SIZES IF REQUIRED BY THE NEC.

ALL CONDUIT TERMINATING IN THE CEILING CAVITIES IS TO BE LABELED.

ALL CONDUIT SHALL BE COLOR CODED WITH 1/2" WIDE TAPE, 10'-0" ON CENTER IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE.

THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT AND OWNER, PRIOR TO INSTALLATION, FOR USE WITH ACTUAL EQUIPMENT.

EACH CONTRACTOR WILL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER/ARCHITECT. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL REPLACED AT THE REQUEST OF THE ENGINEER/ARCHITECT AT THE CONTRACTORS EXPENSE.

THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS.

THE CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO THE INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE.

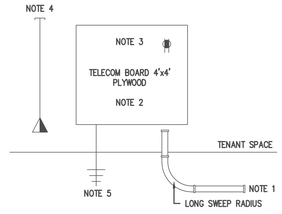
ALL FUSES DISCONNECT SWITCHES AND BREAKER SIZES SHOWN FOR MECHANICAL EQUIPMENT SHALL BE VERIFIED BEFORE PURCHASE AND INSTALLATION OF SAID EQUIPMENT WITH THE EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.

WHERE EQUIPMENT PENETRATES EXTERIOR WALL OR ROOF THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ARCHITECT/ENGINEER.

ALL WORK IS TO BE DONE IN STRICT COMPLIANCE WITH THE LATEST VERSION OF THE NEC AND APPLICABLE STATE CODES

RECESSED FIXTURES INSTALLED IN RATED ASSEMBLIES SHALL BE INSTALLED WITH AN ENCLOSURE SO AS TO MAINTAIN THE RATING OF ASSEMBLY

2 E1 ELECTRICAL NOTES
N.T.S.



TELECOM RISER NOTES

1. NEW 1" CONDUIT PROVIDED UNDER SLAB TO BUILDING TELECOM CABINET. EXTEND CONDUIT STUB-IN AS NEEDED TO REACH TELECOM BOARD LOCATION.
2. 3/4" FINISH GRADE PLYWOOD BACKBOARD PAINTED WITH FLAME RETARDANT PAINT. MOUNT 24" AFF TO BOTTOM OF BOARD.
3. PROVIDE DUPLEX RECEPTACLE ON A DEDICATED CIRCUIT FOR TELEPHONE AND OTHER COMMUNICATION EQUIPMENT.
4. TELEPHONE/DATA OUTLET, +18" A.F.F. TO CENTER, W/ 3/4" CONDUIT STUBBED OUT ABOVE ACCESSIBLE CEILING.
5. PROVIDE #6 CU GROUND TO SERVICE GROUND BAR WITH ADEQUATE SLACK FOR GROUNDING OF TELECOM EQUIPMENT.

3 E1 TELECOM RISER NOTES
N.T.S.

Dec 09, 2025

NORTH CAROLINA PROFESSIONAL SEAL 20193 ENGINEER CHRISTOPHER S. LOCKLEAR

Coastal Plains Engineering, P.A.
License No: C-2059
295 LOCKLEAR RD
P.O. Box 1117
Pembroke, NC 28372
Voice: 910-521-7213
Fax: 910-521-7213
www.coastalplainseng.com

ROBERT CHARLES EVANS
ARCHITECT
ARCHITECTURE
844 Montclair Road Fayetteville North Carolina 28314

Culver Flex Space

Drawing Name:
Building Floor Plan

Project Name:
A Commercial Building for:
Culver Flex Space

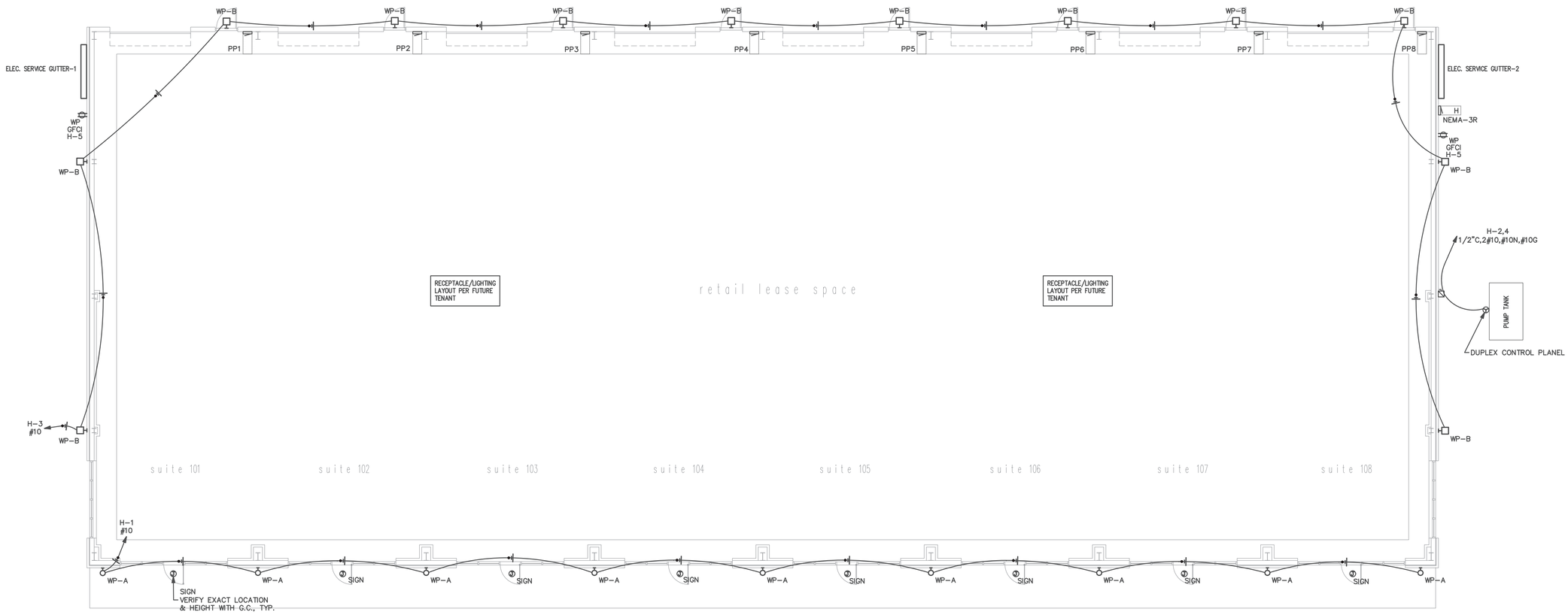
Project Location:
NC 42
Holly Springs
North Carolina 27540

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PROJECT NO:	2025-153
DRAWN BY:	CSL/MJL
DATE:	12.02.25
DATE:	

SHEET NO: E1



ELECTRICAL SYMBOL LIST

○	LIGHT FIXTURE INCADESCENT OR H.I.D.	⊖	EXIT LIGHT FIXTURE
○H	LIGHT FIXTURE WALL MOUNTED	NL	NIGHT LIGHT
▭	FLOURESCENT LIGHT FIXTURE		EMERGENCY LIGHT W/ 90 MIN. BATTERY
⊕	DUPLEX RECEPTACLE (+18")	⊕	GFI TYPE RECEPTACLE
⊕i	ISOLATED GROUND TYPE D.R.	D.R.	DUPLEX RECPTACLE
(+0")	CENTERLINE HEIGHT OF DEVICE BOX ABOVE FINISH FLOOR		
S	SINGLE POLE SWITCH (+42")	S	SW. WITH PILOT LIGHT
S_3	3-WAY SWITCH (+42")	S_3	3-WAY SW. W/ PILOT LIGHT(+42")
S_4	4-WAY SWITCH (+42")	⊛	SPECIAL PURPOSE OUTLET
S_K	KEYED SINGLE POLE SWITCH (+42")	S_3^K	KEYED THREE-WAY SWITCH
□h	N/F DISCONNECT SWITCH	⊠h	FUSED DISCONNECT SWITCH
RT	RAINTIGHT (NEMA 3R)	(60/50/3)	AMP SIZE/FUSE SIZE/POLES
⊠	STARTER	⊙F	DUPLEX RECEPT. FLOOR MTD.
S_M	MANUAL STARTER SWITCH		
Ⓜ	MOTOR SYMBOL	S_M	MANUAL STARTER SWITCH W/ PILOT LIGHT
▣	RELAY	▣	DIMMER SWITCH
▣	PHOTOCONTROL		
▣	PUSHBUTTON OR CONTROL STATION	▣	JUNCTION BOX (J.B.)
◁	TELEPHONE O.B. (3/4" C. TO CEILING SPACE)	O.B.	OUTLET BOX
◀	DATA O.B. (3/4" C. TO CEILING SPACE)	◭	CHILD-PROOF
◀	TELEPHONE & DATA O.B. (3/4" C. TO CEILING SPACE)		
□	PLAN NOTE SYMBOL	WP	WEATHERPROOF
A.F.F.	ABOVE FINISH FLR.		
C/B	CIRCUIT BREAKER	CKT.	CIRCUIT
C.	CONDUIT		
———	CONCEALED CONDUIT (2#12 AWG AND APPROVED GROUND MINIMUM – TYPICAL)		
– – –	CONDUIT BELOW FLOOR OR GRADE	-----	CONDUIT EXPOSED
#8 P1-S4	HOMERUN: NUMBER OF WIRES, PANEL DESIGNATION, CIRCUIT NUMBERS		
▬	BRANCH CIRCUIT PANELBOARD	▨	MAIN DISTRIBUTION PANEL
⊕	QUAD RECEPTACLE	◈	CATV OUTLET
Ⓐ	ALARM OUTLET BOX (3/4" CONDUIT TO CEILING SPACE)		

1 / E2 ELECTRICAL PLAN
1/8"=1'-0"

APPENDIX B 2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

ELECTRICAL DESIGN

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
Energy Code: ☒ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture — SEE FIXTURE SCHEDULE
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
1321/1740 total exterior wattage specified vs. allowed

Additional Prescriptive Compliance
☐ 506.2.1 More Efficient HVAC Equipment
☒ 506.2.2 Reduced Lighting Power Density
☐ 506.2.3 Energy Recovery Ventilation Systems
☐ 506.2.4 Higher Efficiency Service Water Heating
☐ 506.2.5 On-Site Supply of Renewable Energy
☐ 506.2.6 Automatic Daylighting Control Systems

Dec 09, 2025

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ARCHITECT
ARCHITECTURE
844 Montclair Road Fayetteville North Carolina 28314

Culver Flex Space

Drawing Name:
Building Floor Plan

Project Name:
A Commercial Building for:
Culver Flex Space

Project Location:
NC 42
Holly Springs
North Carolina 27540

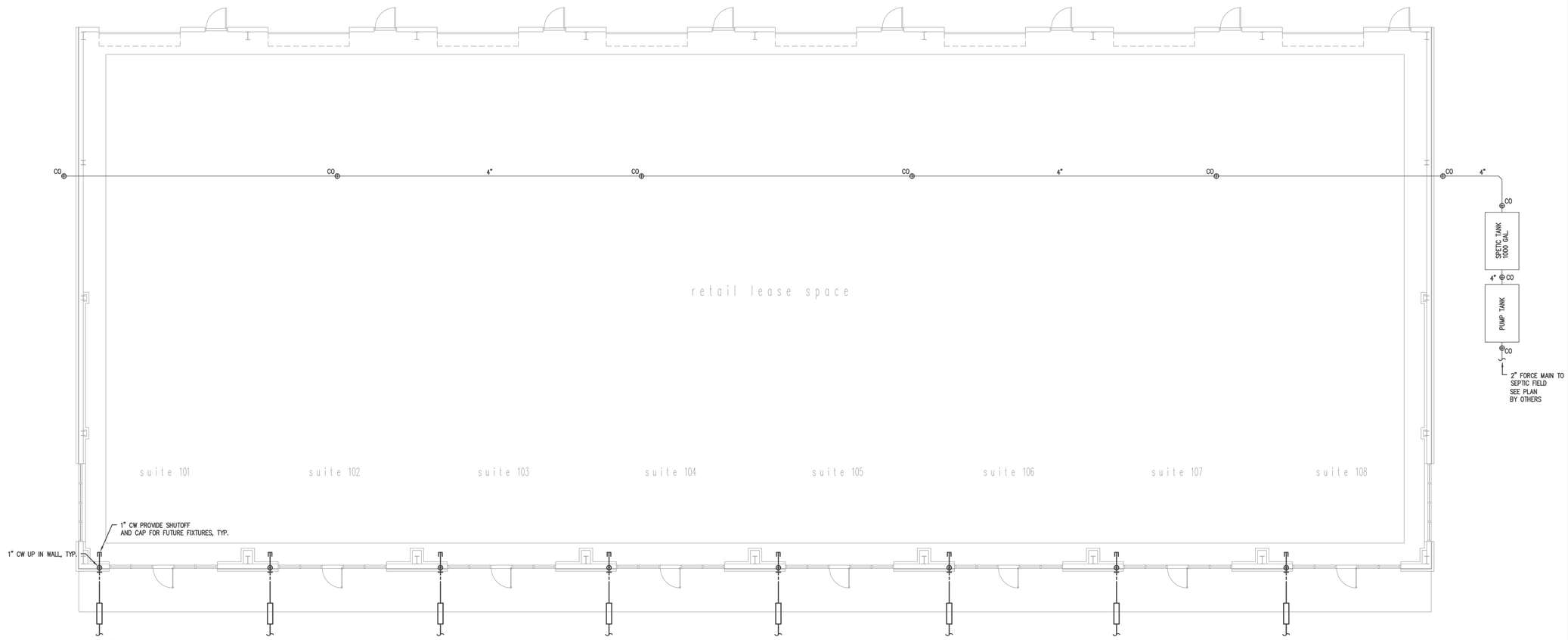
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PROJECT NO:	2025-153
DRAWN BY:	CSL/MJL
DATE:	12.02.25
DATE:	

SHEET NO: E2

ROBERT CHARLES EVANS
ARCHITECT
ARCHITECTURE
844 Montclair Road Fayetteville North Carolina 28314



1 / P1 PLUMBING NOTES
1/8"=1'-0"

GENERAL PLUMBING SYMBOLS

	UNION
	PIPE UP
	PIPE DOWN
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	TEE
	ELBOW
WCO	WALL CLEANOUT
	FLOOR CLEANOUT
	GATE VALVE
	COLD WATER
	HOT WATER
	VENT PIPING
	WASTE PIPING
RD	ROOF DRAIN PIPING

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE AS WELL AS ALL LOCAL AND OTHER APPLICABLE CODES.

ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN.

WATER LINES BELOW GRADE SHALL BE TYPE "K" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE "L" COPPER SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATICALLY TESTED FOR TWO HOURS AT 100 PSI. ALL WATER PIPING AT WATER FIXTURES SHALL BE PROVIDED WITH 18" AIR CHAMBERS OR SHOCK ABSORBERS. STOPS SHALL BE PROVIDED ON HOT AND COLD WATER LINES. HOT WATER PIPING SHALL BE INSULATED WITH 1" CLOSED CELL RUBBER. THE ENTIRE WATER SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE PVC/PEX MAYBE SUBSTITUED FOR COPPER

SANITARY SEWER LINES SHALL BE PVC.

PROVIDE PRESSURE REDUCING VALVE IF STREET WATER EXCEEDS 80 PSI

GAS PIPING WILL BE SCHEDULE 40 BLACK STEEL WITH BLACK MALLEABLE IRON SCREW-TYPE FITTINGS.

THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK AND SHALL INSTALL FIRE RATED SLEEVES WHEREVER PENETRATIONS OF RATED WALLS OR FLOORS ARE MADE. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS AND ARCHITECTURAL SITE PLANS FOR WORK BY OTHERS.

LOCATION OF UTILITIES (WASTE AND WATER LINES, MANHOLES ETC.) THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE THE FINAL CONNECTION AS REQUIRED.

ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMERS

2 / P1 PLUMBING NOTES
N.T.S.

Dec 09, 2025

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Culver Flex Space

Drawing Name:
Building Floor Plan

Project Name:
A Commercial Building for:
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Holly Springs
North Carolina 27540

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P1