

RENOVATIONS AND MODIFICATIONS FOR CROSSROADS CHRISTIAN COUNSELING CENTER, INC.

PERMITTING SET FOR CONSTRUCTION

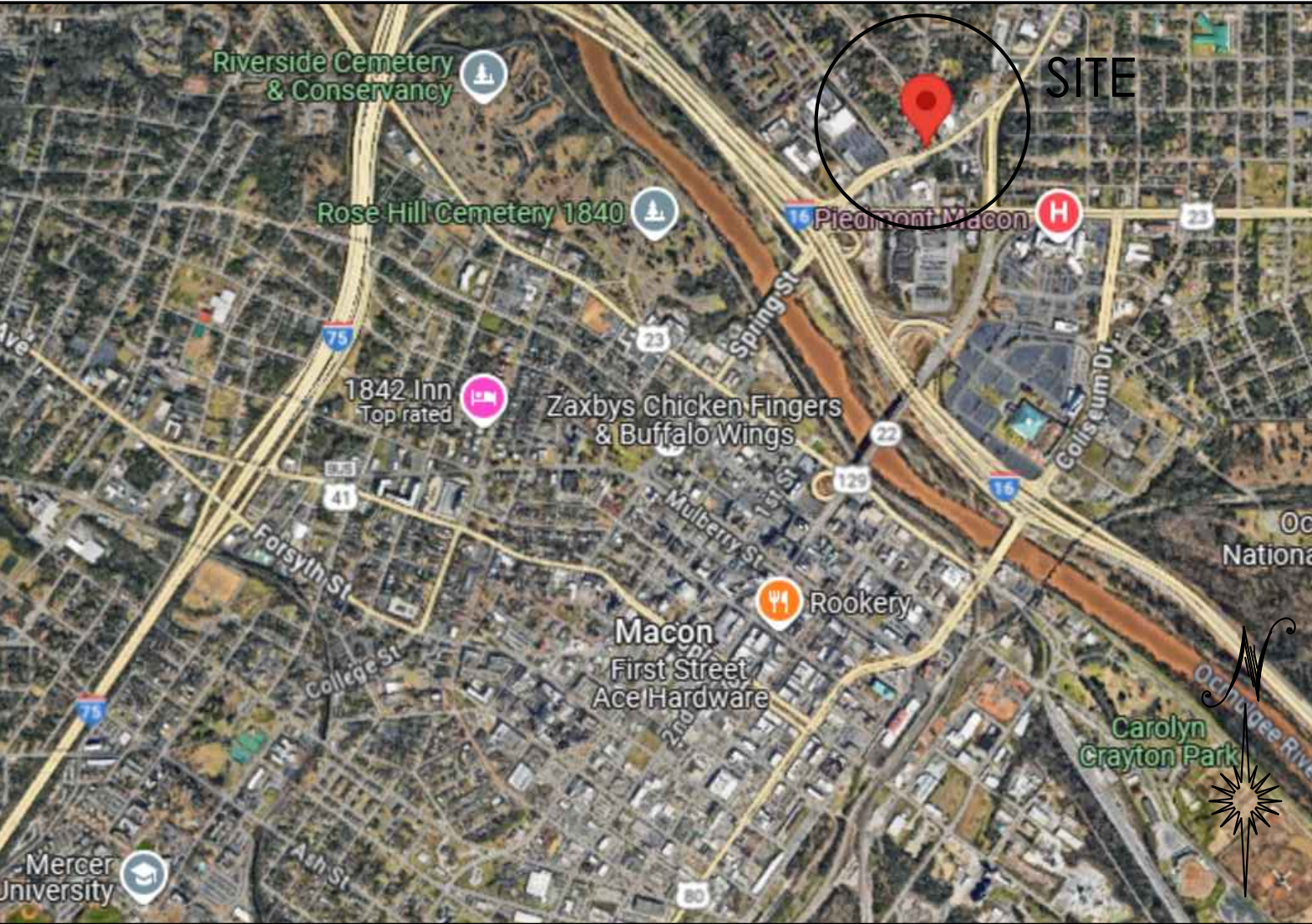
717 NORTH AVENUE
MACON, GEORGIA 31211

BUILDING CODES		GENERAL NOTES		CONSULTANTS		VICINITY MAP	
JURISDICTION : CITY OF MACON, GEORGIA CURRENT CODES ADOPTED BY DCA - INTERNATIONAL BUILDING CODE, 2018 ED. WITH GEORGIA AMENDMENTS 2020, 2022 - INTERNATIONAL RESIDENTIAL CODE, 2018 ED. WITH GEORGIA AMENDMENTS 2020 - INTERNATIONAL FIRE CODE, 2018 ED. - INTERNATIONAL PLUMBING CODE, 2018 ED. WITH GEORGIA AMENDMENTS 2020, 2022, 2023 - INTERNATIONAL MECHANICAL CODE, 2018 ED. WITH GEORGIA AMENDMENTS 2020 - INTERNATIONAL FUEL GAS CODE, 2018 ED. WITH GEORGIA AMENDMENTS 2020, 2022 - NATIONAL ELECTRICAL CODE, 2023 ED. WITH GEORGIA AMENDMENTS 2021 - INTERNATIONAL ENERGY CONSERVATION CODE, 2015 ED. WITH GEORGIA SUPPLEMENTS AND AMENDMENTS 2020, 2022, 2023 - INTERNATIONAL SWIMMING POOL AND SPA CODE, 2018 ED. WITH GEORGIA AMENDMENTS 2020		1. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES, REGULATIONS, ORDINANCES AND STANDARDS INCLUDING ADA AND OR OTHER HANDICAP ACCESSIBILITY CODES. 2. GENERAL CONTRACTOR SHALL COORDINATE WITH THE OWNER'S VENDORS REGARDING SCHEDULING AND SEQUENCING OF THE WORK. 3. THE CONSTRUCTION NOTES AND DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT. 4. THE DRAWINGS ARE NOT TO BE SCALED. FOR INFORMATION CONCERNING EXISTING CONDITIONS, ETC., VERIFICATION MUST BE DONE IN THE FIELD. LARGE SCALE DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS. 5. BEFORE BEGINNING WORK AT THE SITE, WHERE POSSIBLE, AND THROUGHOUT THE COURSE OF THE WORK, INSPECT AND VERIFY THE LOCATION AND CONDITION OF EVERY ITEM, INCLUDING BUT NOT LIMITED TO THE LOCATION OF UTILITIES AND BUILDING DIMENSIONS, AFFECTED BY THE WORK UNDER THIS CONTRACT AND REPORT DISCREPANCIES TO THE ARCHITECT BEFORE DOING WORK RELATED TO THAT BEING INSPECTED. 6. CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR SUPPORT OF ALL EQUIPMENT, SHELVING, ACCESSORIES, SIGNAGE, AND OTHER DEVICES REQUIRED. 7. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY. 8. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE OWNER'S VENDORS ON SITE DURING CONSTRUCTION. 9. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE SET OF DRAWINGS AND SPECIFICATIONS TO EACH SUB-CONTRACTOR AND FOR INSURING THAT THE WORK OF EACH SUB-CONTRACTOR IS COORDINATED WITH THE WORK OF ALL OTHER 10. ACTUAL LOCATIONS OF LIGHT FIXTURES, PLUMBING FIXTURES, ETC., ARE TO BE AS INDICATED ON ARCHITECTURAL DRAWINGS. ANY CONFLICTS WITH MEP DRAWINGS ARE TO BE RESOLVED WITH THE ARCHITECT PRIOR TO CONSTRUCTION. SUB-CONTRACTOR. 11. TRADE, PRODUCT, OR MANUFACTURER'S NAMES OR CATALOG NUMBER SHOWN ON THE DRAWINGS FOR NEW PRODUCTS ARE TO ESTABLISH QUALITY REQUIRED. IN EACH CASE ADD, BY INFERENCE, AFTER TRADE, PRODUCT OR MANUFACTURER'S NAME, THE PHRASE "OR, AS APPROVED BY ARCHITECT."		ARCHITECT PARK + HIGGINS DESIGN, LLC 153 GATEWAY DRIVE MACON, GEORGIA 31210 DAVID HIGGINS 478-972-9329 brannen.park@parkhigginsdesign.com STRUCTURAL KORNEGAY ENGINEERING, INC. 363 PIERCE AVENUE MACON, GEORGIA 31204 GARRY KORNEGAY, P.E. 478-745-6161 OFFICE 478-718-9074 CELL gkornegay@kornegayengineering.com PLUMBING ENGINEER TOTAL ENGINEERS 169 NEW STREET MACON, GEORGIA 31201 KRUNAL PATEL, P.E. 478-741-4632 PHONE krunalpatel@totalengineers.com MECHANICAL ENGINEER TOTAL ENGINEERS 169 NEW STREET MACON, GEORGIA 31201 KRUNAL PATEL, P.E. 478-741-4632 PHONE krunalpatel@totalengineers.com ELECTRICAL ENGINEER ELECTRICAL DESIGN CONSULTANTS, 175 NEW STREET, SUITE 1 MACON, GEORGIA 31201 JEFFERY H. MCGEE, P.E. 478-781-1833- PHONE jmcege@edcomacon.cc			
				PROJECT DESCRIPTION			
				PROJECT CONSISTS OF THE RENOVATION AND MODIFICATIONS TO THE EXISTING 2 STORY STRUCTURE FOR THE CROSSROADS CHRISTIAN COUNSELING CENTER, INC. MODIFICATIONS INCLUDE 2 EXTERIOR ADA RAMPS IN ORDER TO ENTER THE BUILDING ON BOTH LEVELS. ALSO INCLUDED WILL BE THE ADDITION OF A 1 HOUR RATED INTERIOR STAIR. ON THE FIRST LEVEL MOST OF THE INTERIOR WALLS WILL BE KEPT BUT THE ADDITION OF ADA RESTROOMS ARE INCLUDED AS INDICATED ON DRAWINGS. THE 2ND LEVEL, MAIN ENTRANCE, WILL INCLUDE A LARGE LOBBY/ WAITING ROOM, CHECK-IN, CHECK OUT AREAS AS WELL AS ADA COMPLIANT RESTROOMS, CONFERENCE ROOMS AND ADDITIONAL COUNSELING ROOMS.			

E-101		2ND FLOOR PLAN ELECTRICAL DEMOLITION
E-200		1ST FLOOR PLAN LIGHTING
E-201		2ND FLOOR PLAN LIGHTING
E-300		1ST FLOOR PLAN POWER AND SYSTEMS
E-301		2ND FLOOR PLAN POWER AND SYSTEMS
E-302		ROOF PLAN POWER AND SYSTEMS
E-400		RISER DIAGRAM AND DETAILS
E-401		ELECTRICAL SCHEDULES

ARCHITECT BRANNEN PARK		
08-08-2025		
REVISIONS AND MODIFICATIONS FOR CROSSROADS CHRISTIAN COUNSELING CENTER, INC. 717 NORTH AVENUE MACON, GEORGIA 31211		
REVISION	DATE	DESCRIPTION
1	08-08-2025	REVISION PER CITY COMMENTS
SHEET TITLE TITLE PAGE AND SHEET INDEX		
JOB NUMBER 25-CC-01		
DATE 08-04-2025		
SHEET NUMBER TS-01		

LOCATION MAP



PROJECT DESCRIPTION

PROJECT CONSISTS OF THE RENOVATION AND MODIFICATIONS TO THE EXISTING 2 STORY STRUCTURE FOR THE CROSSROADS CHRISTIAN COUNSELING CENTER, INC. MODIFICATIONS INCLUDE 2 EXTERIOR ADA RAMPS IN ORDER TO ENTER THE BUILDING ON BOTH LEVELS. ALSO INCLUDED WILL BE THE ADDITION OF A 1 HOUR RATED INTERIOR STAIR. ON THE FIRST LEVEL MOST OF THE INTERIOR WALLS WILL BE KEPT BUT THE ADDITION OF ADA RESTROOMS ARE INCLUDED AS INDICATED ON DRAWINGS. THE 2ND LEVEL, MAIN ENTRANCE, WILL INCLUDE A LARGE LOBBY/ WAITING ROOM, CHECK-IN, CHECK OUT AREAS AS WELL AS ADA COMPLIANT RESTROOMS, CONFERENCE ROOMS AND ADDITIONAL COUNSELING ROOMS.

INDEX OF DRAWINGS

TS-01 TITLE PAGE AND SHEET INDEX

LSP-01 LIFE SAFETY PLAN- 1ST FLOOR

LSP-02 LIFE SAFETY PLAN- 2ND FLOOR

ARCHITECTURAL DRAWINGS

A-100 DEMOLITION PLAN LEGEND AND NOTES- 1ST FLOOR

A-101 DEMOLITION PLAN LEGEND AND NOTES- 2ND FLOOR

A-110 FLOOR PLAN LEGEND AND NOTES- 1ST FLOOR

A-111 FLOOR PLAN LEGEND AND NOTES- 2ND FLOOR

A-130 CEILING PLAN LEGEND AND NOTES- 1ST FLOOR

A-131 CEILING PLAN LEGEND AND NOTES- 2ND FLOOR

A-400 LARGE SCALE PLANS AND DETAILS

A-401 LARGE SCALE PLANS

A-402 LARGE SCALE PLANS

A-600 SCHEDULES AND DETAILS

A-601 FINISH SCHEDULE, LEGEND AND NOTES

A-700 INTERIOR ELEVATIONS

A-701 INTERIOR ELEVATIONS AND MILLWORK SECTIONS

A-702 MILLWORK SECTIONS

A-800 CONSTRUCTION DETAILS

A-801 CONSTRUCTION DETAILS

STRUCTURAL DRAWINGS

S-000 GENERAL NOTES

S-100 SECOND FLOOR FRAMING PLAN

S-200 EXTERIOR ADA RAMP, FOUNDATION PLANS

S-300 STAIR FRAMING PLAN AND ADA RAMP SECTIONS

MECHANICAL DRAWINGS

M-0.1 MECHANICAL SPECIFICATIONS

M-0.2 MECHANICAL SCHEDULES

M-0.3 MECHANICAL DETAILS

M-0.4 MECHANICAL DETAILS

M-1.0 LEVEL 1 MECHANICAL DEMOLITION PLAN

M-1.1 LEVEL 2 MECHANICAL DEMOLITION PLAN

M-2.1 LEVEL 1 MECHANICAL PLAN

M-2.2 LEVEL 2 MECHANICAL PLAN

M-2.3 MEZZANINE MECHANICAL PLAN

M-2.4 ROOF MECHANICAL PLAN

PLUMBING DRAWINGS

P-0.1 PLUMBING SCHEDULES AND SPECIFICATIONS

P-1.0 LEVEL 1 PLUMBING PLAN SEWER

P-1.1 LEVEL 2 PLUMBING PLAN SEWER

P-2.0 LEVEL 1 PLUMBING PLAN WATER

P-2.1 LEVEL 2 PLUMBING PLAN WATER

ELECTRICAL DRAWINGS

E-001 ELECTRICAL LEGEND, SCHEDULES AND DETAILS

E-100 1ST FLOOR PLAN ELECTRICAL DEMOLITION

E-101 2ND FLOOR PLAN ELECTRICAL DEMOLITION

E-200 1ST FLOOR PLAN LIGHTING

E-201 2ND FLOOR PLAN LIGHTING

E-300 1ST FLOOR PLAN POWER AND SYSTEMS

E-301 2ND FLOOR PLAN POWER AND SYSTEMS

E-302 ROOF PLAN POWER AND SYSTEMS

E-400 RISER DIAGRAM AND DETAILS

E-401 ELECTRICAL SCHEDULES

ph
design

PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478.972.9329
david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.

SEAL
GEORGIA
REGISTERED
No. 015635
PROFESSIONAL
ARCHITECT
BRANNEN PARK
08-08-2025

REVISIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.

717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION

DATE

DESCRIPTION

1

08-08-2025

REVISION PER CITY COMMENTS

SHEET TITLE

TITLE PAGE AND
SHEET INDEX

JOB NUMBER

25-CC-01

DATE

08-04-2025

SHEET NUMBER

TS-01

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



08-01-2025

RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE
LIFE SAFETY
PLAN AND NOTES
1ST FLOOR

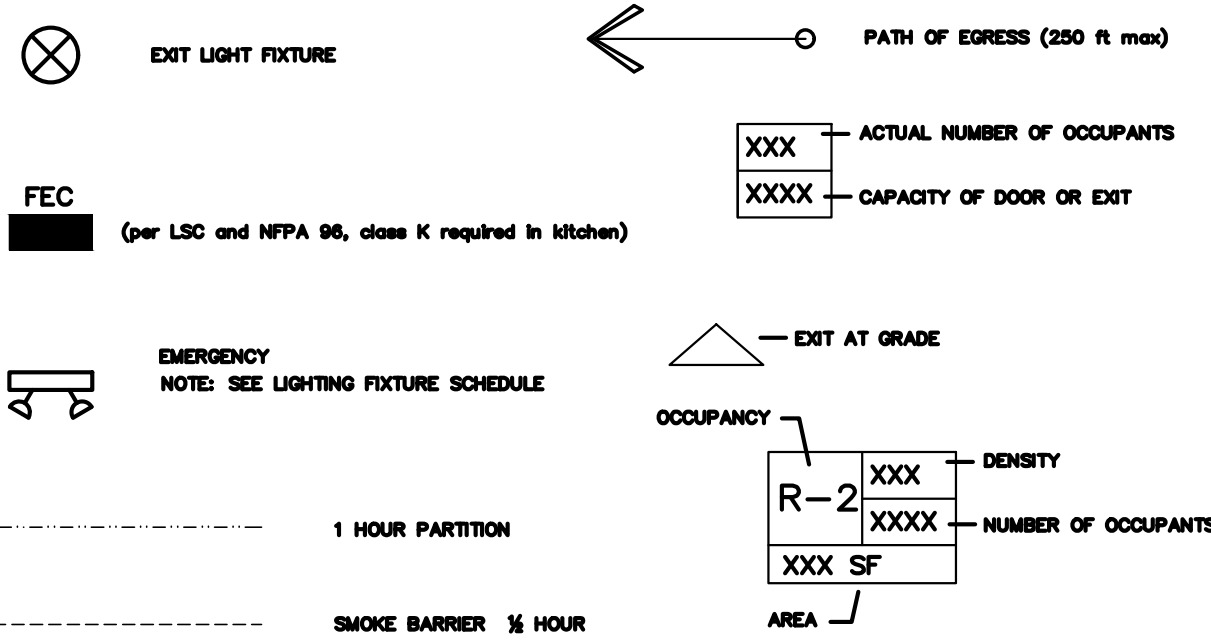
JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER

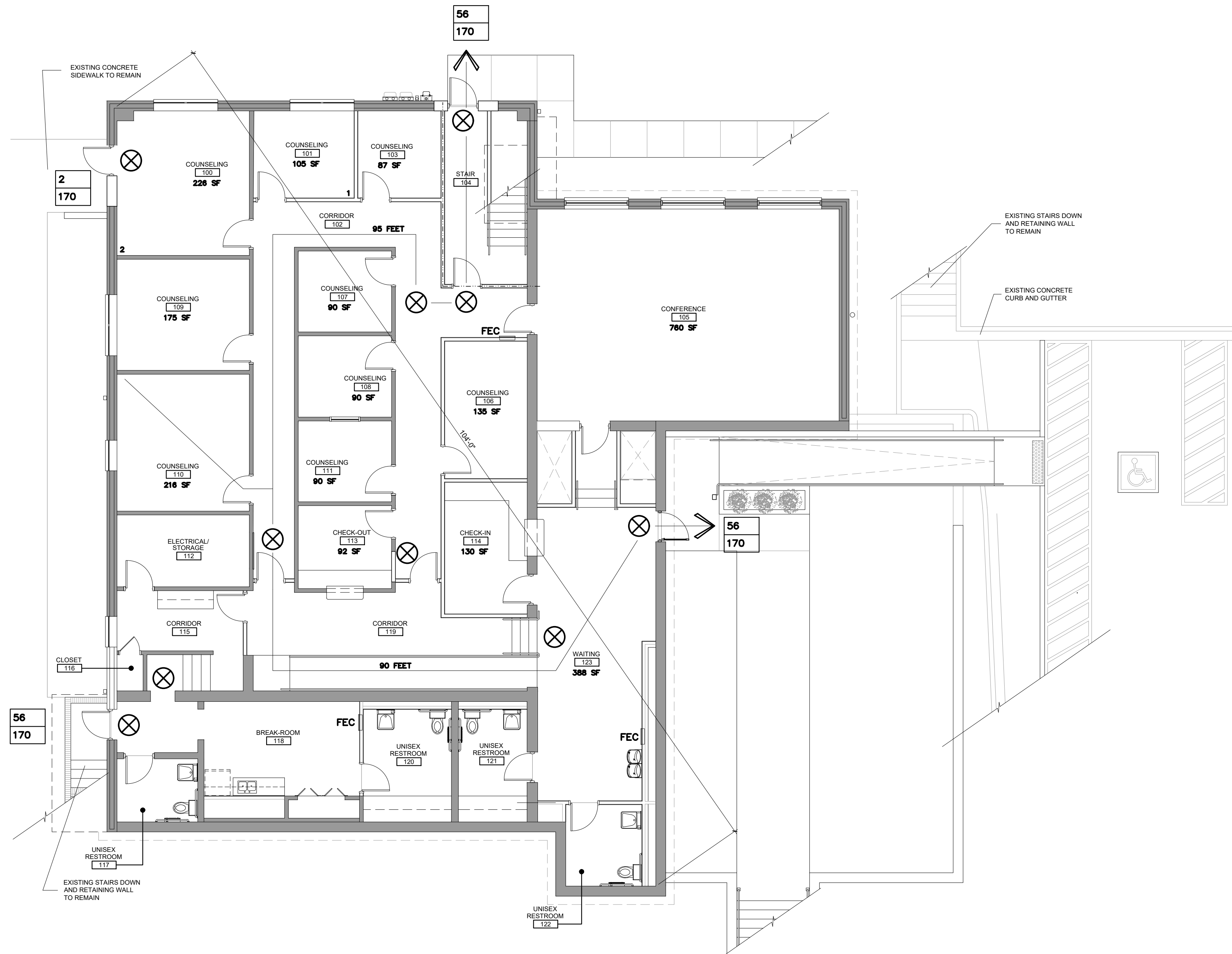
LSP-01

LIFE SAFETY SYMBOL LEGEND



GENERAL LIFE SAFETY NOTES

- CONTRACTOR SHALL PERMANENTLY IDENTIFY ALL RATINGS AT RATED PARTITIONS, SMOKESTOP PARTITIONS, HORIZONTAL EXIT PARTITIONS AND EXIT ENCLOSURES BY EITHER INSTALLING SIGNS OR STENCIL PAINTING IN CONCEALED SPACES. COORDINATE LOCATION AS PER CODE AUTHORITY.
- ALL RATED PARTITIONS TO BE SEALED TO THE UNDERSIDE OF THE ROOF DECK.
- SEE LIFE SAFETY PLANS FOR LOCATION OF RATED WALLS.
- PANIC HARDWARE SHALL BE INSTALLED AT ALL DOOR LOCATIONS SERVING AN OCCUPANT LOAD OF MORE THAN 100 PERSONS (101, 8-2.2.3).
- SEE U.L. DETAILS FOR SPECIFIC RATED PARTITION CONSTRUCTION DETAILS.
- FIRE ALARM SYSTEM SHALL BE PROVIDED THROUGHOUT, REFER TO ELECTRICAL DRAWINGS FOR DETAILED INFORMATION.
- EXIT SIGNAGE SHOWN ON THIS SHEET IS FOR GENERAL LOCATION AND COORDINATION PURPOSES. CENTER SIGNAGE OVER DOORS UNLESS OTHER WISE NOTED.
- SIGNAGE SHALL BE PROVIDED AT THESE LOCATIONS: AREAS OF RESCUE ASSISTANCE, RESTROOMS, MECHANICAL, AND ELECTRICAL ROOMS. COORDINATE WITH ARCHITECT.
- SEPARATE SUBMITTALS FOR THE FIRE ALARM SYSTEM AND/OR SPRINKLER SYSTEM MAYBE REQUIRED BY OFFICIALS.



1 LSP-01
LIFE SAFETY 1ST FLOOR PLAN
SCALE: 3/8" = 1'-0"

APPLICABLE CODES	PROJECT DESCRIPTION	OCCUPANCY TOTAL																																																	
2018 International Building Code, with 2020 Georgia Amendments 2018 International Mechanical Code, with 2020 Georgia Amendments 2018 International Plumbing Code, with 2020 Georgia Amendments 2018 International Fuel Gas Code, with 2020 Amendments 2018 International Fire Code, as amended by the State Safety Fire Commissioner's Rules and Regulations Chapter 120-3-3 2018 Life Safety Code, as amended by the State Safety Fire Commissioner's Rules and Regulations Chapter 120-3-3 2015 International Energy Conservation Code, with 2020 Georgia Amendments 2020 National Electrical Code 2020 ADA Standards for Accessible Design	BUILDING DESCRIPTION COMPLETE RENOVATION AND MODIFICATION FOR PURPOSES OF CREATING A COUNSELING CENTER SCOPE OF WORK DETAILS THE ONLY SITE WORK INVOLVED IS FOR ADA PARKING AND NEW ACCESS TO BUILDING EXITS	<table><tr><th>ROOM NAME</th><th>GROSS ROOM AREA</th><th>NUMBER OF OCCUPANTS</th></tr><tr><td colspan="3"></td></tr><tr><td>WAITING 123</td><td>388</td><td>12</td></tr><tr><td>CHECK-IN 114</td><td>130</td><td>1</td></tr><tr><td>CHECK OUT 113</td><td>92</td><td>1</td></tr><tr><td>COUNSEL OFFICE 106</td><td>135</td><td>1</td></tr><tr><td>COUNSELING 111</td><td>90</td><td>1</td></tr><tr><td>COUNSELING 108</td><td>90</td><td>1</td></tr><tr><td>COUNSELING 107</td><td>90</td><td>1</td></tr><tr><td>COUNSELING 103</td><td>87</td><td>1</td></tr><tr><td>COUNSELING 101</td><td>105</td><td>1</td></tr><tr><td>COUNSELING 100</td><td>226</td><td>2</td></tr><tr><td>COUNSELING 109</td><td>175</td><td>2</td></tr><tr><td>COUNSELING 110</td><td>216</td><td>2</td></tr><tr><td>CONFERENCE 105</td><td>760</td><td>30</td></tr><tr><td></td><td></td><td>TOTAL - 56</td></tr></table> NFPA 101 - TABLE 7.3.1.2 OCCUPANT LOAD FACTORS	ROOM NAME	GROSS ROOM AREA	NUMBER OF OCCUPANTS				WAITING 123	388	12	CHECK-IN 114	130	1	CHECK OUT 113	92	1	COUNSEL OFFICE 106	135	1	COUNSELING 111	90	1	COUNSELING 108	90	1	COUNSELING 107	90	1	COUNSELING 103	87	1	COUNSELING 101	105	1	COUNSELING 100	226	2	COUNSELING 109	175	2	COUNSELING 110	216	2	CONFERENCE 105	760	30			TOTAL - 56	
ROOM NAME	GROSS ROOM AREA	NUMBER OF OCCUPANTS																																																	
WAITING 123	388	12																																																	
CHECK-IN 114	130	1																																																	
CHECK OUT 113	92	1																																																	
COUNSEL OFFICE 106	135	1																																																	
COUNSELING 111	90	1																																																	
COUNSELING 108	90	1																																																	
COUNSELING 107	90	1																																																	
COUNSELING 103	87	1																																																	
COUNSELING 101	105	1																																																	
COUNSELING 100	226	2																																																	
COUNSELING 109	175	2																																																	
COUNSELING 110	216	2																																																	
CONFERENCE 105	760	30																																																	
		TOTAL - 56																																																	
CONSTRUCTION DATA	BUILDING DATA																																																		
Construction Classification : Type V (main building is Type II and take out shoppe is type V) Life Safety Code Occupancy : Assembly IBC Occupancy : A2 Allowable Building Height - Table 503 : 50 feet Allowable Building Area - Table 503 : 2 stories, 12,000 sq. ft. Building Height and Area Modifications Section 504.2 Automatic Sprinkler System Increase Section 506 Building Area Modifications (Equation 5-1) $Aa = (At + [At \times If]) + [At \times Is]$ (12,000 + [12,000 x .0623] + [12,000 x 2]) = 36,747.6 Allowable Area per Story (Equation 5-2) Frontage Increase If = $\frac{F/P - 0.25}{270/640 - 0.25} + 0.623$ (270/640 - 0.25) + 0.623 = -0.623 (Equation 5-3) Weighted Average W = 26.7 (78-3rd-St.-x-30') + (105-Chry-St.-x-30') + (105-Chry-St.-x-30') + (105-Chry-St.-x-30') = 12,000 sq. ft. Section 506.3 Automatic Sprinkler System Increase A building...equipped w/ approved auto. sprinkler system throughout.... (Is =2) for buildings with more than 1 story above grade plane.....	TOTAL SQUARE FOOTAGE - 11,200 (5600 SQ FT PER FLOOR) TOTAL OCCUPANT LOAD OF 97																																																		
	ARCHITECTS CONTACT																																																		
	BRANNEN PARK 478-972-9329 EMAIL: BRANNEN.PARK@PARKHIGGINSDESIGN.COM																																																		
	DEFERRED SUBMITTALS																																																		
	FIRE ALARM SYSTEM REQUIRES SEPARATE PERMIT PRIOR TO INSTALLATION																																																		

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE
LIFE SAFETY
PLAN AND NOTES
2ND FLOOR

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER

LSP-02

LIFE SAFETY SYMBOL LEGEND

⊗

EXIT LIGHT FIXTURE

←

PATH OF EGRESS (250 ft max)

XXX

XXXX

ACTUAL NUMBER OF OCCUPANTS

CAPACITY OF DOOR OR EXIT

FEC

(per LSC and NFPA 96, class K required in kitchen)

EMERGENCY

NOTE: SEE LIGHTING FIXTURE SCHEDULE

EXIT AT GRADE

OCCUPANCY

R-2

XXX

XXXX

XXX SF

DENSITY

NUMBER OF OCCUPANTS

AREA

2 HOUR PARTITION

SMOKE BARRIER 1/2 HOUR

GENERAL LIFE SAFETY NOTES

- CONTRACTOR SHALL PERMANENTLY IDENTIFY ALL RATINGS AT RATED PARTITIONS, SMOKESTOP PARTITIONS, HORIZONTAL EXIT PARTITIONS AND EXIT ENCLOSURES BY EITHER INSTALLING SIGNS OR STENCIL PAINTING IN CONCEALED SPACES. COORDINATE LOCATION AS PER CODE AUTHORITY.
- ALL RATED PARTITIONS TO BE SEALED TO THE UNDERSIDE OF THE ROOF DECK.
- SEE ALL PLANS FOR LOCATION OF RATED WALLS.
- PANIC HARDWARE SHALL BE INSTALLED AT ALL DOOR LOCATIONS SERVING AN OCCUPANT LOAD OF MORE THAN 100 PERSONS (101: 8-2.2.3).
- SEE U.L. DETAILS FOR SPECIFIC RATED PARTITION CONSTRUCTION DETAILS.
- FIRE ALARM SYSTEM SHALL BE REVIEWED THROUGHOUT, REFER TO ELECTRICAL DRAWINGS FOR DETAILED INFORMATION.
- EXIT SIGNAGE SHOWN ON THIS SHEET IS FOR GENERAL LOCATION AND COORDINATION PURPOSES. CENTER SIGNAGE OVER DOORS UNLESS OTHER WISE NOTED.
- SIGNAGE SHALL BE PROVIDED AT THESE LOCATIONS: AREAS OF RESCUE ASSISTANCE, RESTROOMS, MECHANICAL, AND ELECTRICAL ROOMS. COORDINATE WITH ARCHITECT.
- SEPERATE SUBMITTALS FOR THE FIRE ALARM SYSTEM AND/OR SPRINKLER SYSTEM MAYBE REQUIRED BY OFFICIALS.

1 LSP02 LIFE SAFETY 2ND FLOOR PLAN
SCALE: 3/8" = 1'-0"

APPLICABLE CODES	PROJECT DESCRIPTION	OCCUPANCY TOTAL																																																	
2018 International Building Code, with 2020 Georgia Amendments 2018 International Mechanical Code, with 2020 Georgia Amendments 2018 International Plumbing Code, with 2020 Georgia Amendments 2018 International Fuel Gas Code, with 2020 Amendments 2018 International Fire Code, as amended by the State Safety Fire Commissioner's Rules and Regulations Chapter 120-3-3 2018 Life Safety Code, as amended by the State Safety Fire Commissioner's Rules and Regulations Chapter 120-3-3 2015 International Energy Conservation Code, with 2020 Georgia Amendments 2020 National Electrical Code 2020 ADA Standards for Accessible Design	BUILDING DESCRIPTION COMPLETE RENOVATION AND MODIFICATION FOR PURPOSES OF CREATING A COUNSELING CENTER SCOPE OF WORK DETAILS THE ONLY SITE WORK INVOLVED IS FOR ADA PARKING AND NEW ACCESS TO BUILDING EXITS	<table><thead><tr><th>ROOM NAME</th><th>GROSS ROOM AREA</th><th>NUMBER OF OCCUPANTS</th></tr></thead><tbody><tr><td>LOBBY/WAITING 217</td><td>311</td><td>21</td></tr><tr><td>CHILD WAITING</td><td>150</td><td>10</td></tr><tr><td>COUNSEL OFFICE 219</td><td>210</td><td>2</td></tr><tr><td>COUNSELING 216</td><td>175</td><td>2</td></tr><tr><td>BILLING 214</td><td>95</td><td>1</td></tr><tr><td>WORK 213</td><td>96</td><td>1</td></tr><tr><td>CHECK IN 212</td><td>235</td><td>2</td></tr><tr><td>COUNSEL OFFICE 205</td><td>140</td><td>1</td></tr><tr><td>COUNSELING 200</td><td>152</td><td>2</td></tr><tr><td>COUNSELING 201</td><td>151</td><td>2</td></tr><tr><td>COUNSELING 202</td><td>136</td><td>1</td></tr><tr><td>COUNSELING 208</td><td>189</td><td>2</td></tr><tr><td>COUNSELING 209</td><td>182</td><td>2</td></tr><tr><td>COUNSELING 210</td><td>266</td><td>2</td></tr><tr><td colspan="2"></td><td>TOTAL - 41</td></tr></tbody></table> NFPA 101 - TABLE 7.3.1.2 OCCUPANT LOAD FACTORS	ROOM NAME	GROSS ROOM AREA	NUMBER OF OCCUPANTS	LOBBY/WAITING 217	311	21	CHILD WAITING	150	10	COUNSEL OFFICE 219	210	2	COUNSELING 216	175	2	BILLING 214	95	1	WORK 213	96	1	CHECK IN 212	235	2	COUNSEL OFFICE 205	140	1	COUNSELING 200	152	2	COUNSELING 201	151	2	COUNSELING 202	136	1	COUNSELING 208	189	2	COUNSELING 209	182	2	COUNSELING 210	266	2			TOTAL - 41	
ROOM NAME	GROSS ROOM AREA	NUMBER OF OCCUPANTS																																																	
LOBBY/WAITING 217	311	21																																																	
CHILD WAITING	150	10																																																	
COUNSEL OFFICE 219	210	2																																																	
COUNSELING 216	175	2																																																	
BILLING 214	95	1																																																	
WORK 213	96	1																																																	
CHECK IN 212	235	2																																																	
COUNSEL OFFICE 205	140	1																																																	
COUNSELING 200	152	2																																																	
COUNSELING 201	151	2																																																	
COUNSELING 202	136	1																																																	
COUNSELING 208	189	2																																																	
COUNSELING 209	182	2																																																	
COUNSELING 210	266	2																																																	
		TOTAL - 41																																																	
CONSTRUCTION DATA	BUILDING DATA																																																		
Construction Classification : Type V. (main building is Type II and take out shoppe is type V) Life Safety Code Occupancy : Assembly IBC Occupancy : A2 Allowable Building Height - Table 503 : 50 feet Allowable Building Area - Table 503 : 2 stories, 12,000 sq. ft. Building Height and Area Modifications Section 504.2 Automatic Sprinkler System Increase Section 506 Building Area Modifications (Equation 5-1) Aa = (At + [At x If] + [At x Is]) (12,000 + [12,000 x .0623] + [12,000 x 2]) = 36,747.6 Allowable Area per Story (Equation 5-2) Frontage Increase If = [F/P - 0.25] / 1.930 [279/840 - 0.25] / 1.930 = .0623 (Equation 5-3) Weighted Average W = 26.7 [78 3rd St x 30] + [105 Chry St x 30] + [100 Hwy 160] = 26.7 Section 506.3 Automatic Sprinkler System Increase A building, equipped w/ approved auto. sprinkler system throughout.... (Is = 2) for buildings with more than 1 story above grade plane.....	TOTAL SQUARE FOOTAGE - 11,200 (5600 SQ FT PER FLOOR) TOTAL OCCUPANT LOAD OF 97																																																		
	ARCHITECTS CONTACT																																																		
	BRANNEN PARK 478-972-9329 EMAIL: BRANNEN.PARK@PARKHIGGINSDESIGN.COM																																																		
	DEFERRED SUBMITTALS																																																		
	FIRE ALARM SYSTEM REQUIRES SEPERATE PERMIT PRIOR TO INSTALLATION																																																		

DEMOLITION PLAN - GENERAL NOTES

1. ALL ITEMS DASHED ON PLANS ARE EXISTING CONDITIONS TO BE REMOVED. ALL OTHER ITEMS SHOWN ARE EXISTING CONDITIONS TO REMAIN UNLESS NOTED OTHERWISE.
2. CONTRACTOR TO REPAIR ANY EXISTING GYPSUM BOARD PARTITION INDICATED TO REMAIN THAT WERE DAMAGED DURING DEMOLITION AND CONSTRUCTION. RE-FLOAT AND SAND WALLS SMOOTH AND READY TO RECEIVE NEW WALL FINISH.
3. CONTRACTOR TO NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS.
4. REFER TO ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR ALL WORK ASSOCIATED WITH EXISTING ELECTRICAL, MECHANICAL AND PLUMBING SYSTEMS.

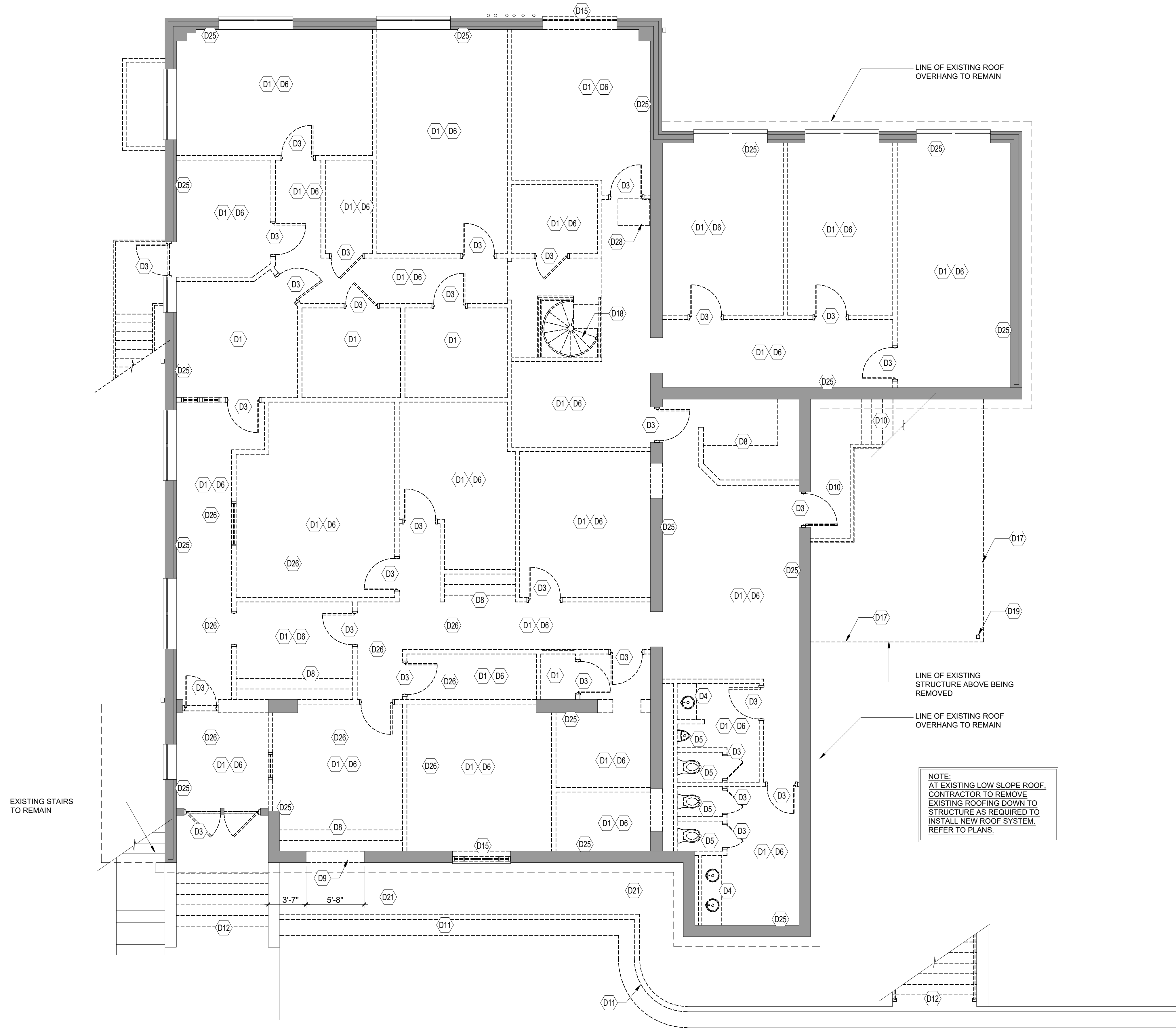
DEMOLITION PLAN LEGEND

- == EXISTING TO BE REMOVED
- █ EXISTING CONSTRUCTION TO REMAIN
- Dx DEMOLITION NOTE

DEMOLITION PLAN - KEYED NOTES

- | | |
|-----|--|
| D1 | REMOVE EXISTING FLOOR FINISH TO EXTENTS SHOWN ON DRAWING. PATCH AND REPAIR EXISTING SUB FLOOR AS REQUIRED TO PROVIDE SMOOTH AND LEVEL SURFACE READY TO RECEIVE NEW FLOOR FINISH. REFER TO FINISH SCHEDULE ON SHEET A-600. |
| D2 | REMOVE EXISTING STAIRS AND HANDRAILS TO EXTENTS SHOWN ON DRAWINGS. WHERE APPLICABLE PATCH AND REPAIR EXISTING ADJACENT WALLS AND FLOOR AS REQUIRED. |
| D3 | REMOVE EXISTING DOOR AND DOOR FRAME. |
| D4 | REMOVE EXISTING LAVATORY AND SINK. CAP OFF ALL PLUMBING LINES IN FLOOR AND / OR WALL AS REQUIRED. REFER TO PLUMBING DRAWINGS. |
| D5 | REMOVE EXISTING WATER CLOSET AND / OR URINAL. CAP OFF ALL PLUMBING LINES IN FLOOR AND / OR WALL AS REQUIRED. REFER TO PLUMBING DRAWINGS. |
| D6 | EXISTING FIRST LAYER OF CEILING AND LIGHT FIXTURES TO BE REMOVED. |
| D7 | CONTRACTOR TO REMOVE AS MUCH MILLWORK AND EQUIPMENT AS POSSIBLE IN ORDER TO EXPOSE EXISTING BRICK SHELF. |
| D8 | CONTRACTOR TO REMOVE EXISTING MILLWORK, CABINETS, OVERHEAD CABINETS WHERE APPLICABLE. WITH MILLWORK CONTAINING, SINK, REMOVE AND CAP OFF LINES IN WALLS AND / OR FLOOR AS REQUIRED. PATCH EXISTING ADJACENT FLOORS AND WALLS INDICATED TO REMAIN AS REQUIRED. |
| D9 | REMOVE PORTION OF EXISTING EXTERIOR WALL CONSTRUCTION AS REQUIRED FOR NEW WINDOW. REFER TO NEW FLOOR PLAN AND WINDOW SCHEDULE. |
| D10 | EXISTING STAIRS, STRINGERS AND HANDRAILS TO BE REMOVED. REMOVE EXISTING SUPPORT COLUMNS AND WOOD LANDING AT 2ND FLOOR ENTRANCE. PATCH AND REPAIR EXISTING EXTERIOR ADJACENT WALLS AS REQUIRED. |
| D11 | SAW CUT AND REMOVE EXISTING CONCRETE CURB AND GUTTER TO EXTENTS SHOWN AS REQUIRED FOR NEW WORK. REFER TO NEW FLOOR PLAN FOR NEW WORK. |
| D12 | REMOVE EXISTING CONCRETE STAIRS AND HANDRAILS. |
| D13 | SAW CUT AND REMOVE PORTION OF EXISTING RETAINING WALL TO EXTENTS SHOWN AS REQUIRED FOR NEW WORK. REFER TO SHEETS A-111 AND A-112 FOR NEW WORK. |
| D14 | SAW CUT AND REMOVE PORTION OF EXISTING ASPHALT TO EXTENTS SHOWN AS REQUIRED FOR NEW WORK. REFER TO FLOOR PLAN FOR NEW WORK. |
| D15 | EXISTING WINDOW GLASS AND FRAME TO BE REMOVED- REFER TO FLOOR PLAN FOR NEW WORK TO EXISTING OPENING. |
| D16 | REMOVE PORTION OF EXISTING EXTERIOR WALL AS REQUIRED FOR NEW DOOR AND DOOR FRAME. REFER TO DOOR SCHEDULE ON SHEET A-600 |
| D17 | REMOVE EXISTING 2ND LEVEL ROOF STRUCTURE AT EXTERIOR. REMOVE ALL EXISTING STEEL STRUCTURE, ASSOCIATED ROOFING, FLASHING AND CAULKING AS REQUIRED. PATCH AND REPAIR EXISTING EXTERIOR WALL AS REQUIRED. PREPARE FOR NEW EIFS TO EXTENTS SHOWN ON DRAWINGS. REFER TO EXTERIOR ELEVATIONS ON SHEET A-200. |
| D18 | REMOVE EXISTING SPIRAL STAIRCASE AND RAILING AND ASSOCIATED FRAMING AS REQUIRED. PREPARE EXISTING OPENING TO RECEIVE NEW CODE COMPLIANT SPIRAL STAIR AND RAILING. PATCH AND REPAIR EXISTING FLOOR AS REQUIRED. |
| D19 | EXISTING STEEL COLUMN TO BE REMOVED. |
| D20 | REMOVE EXISTING CONCRETE SIDEWALK AND CONCRETE PAD. PREPARE AREA FOR NEW WORK AS INDICATED ON NEW FLOOR PLAN. |
| D21 | PREPARE AREA AS REQUIRED FOR NEW CONCRETE ADA RAMP AND LANDSCAPE BED. REFER TO NEW FLOOR PLAN AND DETAILS. |
| D22 | EXISTING OVERHEAD AWNING TO BE REMOVED. PATCH AND REPAIR EXISTING EXTERIOR WALL AS REQUIRED. |
| D23 | EXISTING OUT DOOR HEAT PUMPS, CONDENSING UNITS, DISCONNECTS AND ASSOCIATED CONDENSATE LINES ETC. TO BE REMOVED. REFER TO MECHANICAL DRAWINGS. |
| D24 | PREPARE EXISTING AREA FOR NEW CONCRETE SIDEWALK. REFER TO FLOOR PLAN. |
| D25 | REMOVE EXISTING GYPSUM BOARD AND FRAMING DOWN TO INTERIOR BRICK. PATCH AND REPAIR AS REQUIRED FOR NEW PAINT. |
| D26 | EXISTING CONCEALED SPLINE CEILING ABOVE NEWER LAY-IN CEILING TO BE REMOVED TO STRUCTURE ABOVE. IT IS THE INTENT FOR EXISTING STRUCTURE TO BE EXPOSED AND TO BE PAINTED. |
| D27 | SAW CUT AND REMOVE EXISTING FLOOR SLAB AND EARTH AS REQUIRED FOR NEW FOOTING FOR WOOD POST AT NEW STAIR WELL. REFER TO STRUCTURAL. |
| D28 | REMOVE PORTION OF EXISTING ROOF STRUCTURE ABOVE AS REQUIRED FOR NEW ROOF HATCH. EXACT LOCATION TO BE DETERMINED IN FIELD BASED ON EXISTING ROOF CONDITIONS. REFER TO CEILING PLAN. |

NOTE:
AT EXISTING LOW SLOPE ROOF,
CONTRACTOR TO REMOVE
EXISTING ROOFING DOWN TO
STRUCTURE AS REQUIRED TO
INSTALL NEW ROOF SYSTEM.
REFER TO PLANS.



DEMOLITION PLAN- 2ND FLOOR

SCALE
3/16" = 1'-0"

DEMOLITION PLAN - GENERAL NOTES

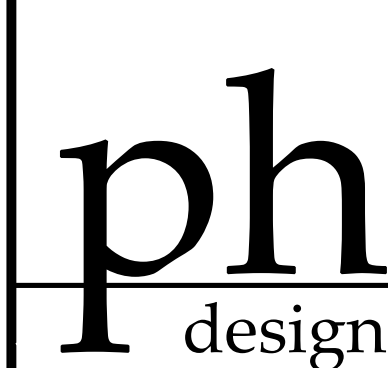
- ALL ITEMS DASHED ON PLANS ARE EXISTING CONDITIONS TO BE REMOVED. ALL OTHER ITEMS SHOWN ARE EXISTING CONDITIONS TO REMAIN UNLESS NOTED OTHERWISE.
- CONTRACTOR TO REPAIR ANY EXISTING GYPSUM BOARD PARTITION INDICATED TO REMAIN THAT WERE DAMAGED DURING DEMOLITION AND CONSTRUCTION. RE-FLOAT AND SAND WALLS SMOOTH AND READY TO RECEIVE NEW WALL FINISH.
- CONTRACTOR TO NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS.
- REFER TO ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR ALL WORK ASSOCIATED WITH EXISTING ELECTRICAL, MECHANICAL AND PLUMBING SYSTEMS.

DEMOLITION PLAN LEGEND

- == EXISTING TO BE REMOVED
- EXISTING CONSTRUCTION TO REMAIN
- Dx DEMOLITION NOTE

DEMOLITION PLAN - KEYED NOTES

- | | |
|-----|--|
| D1 | REMOVE EXISTING FLOOR FINISH TO EXTENTS SHOWN ON DRAWING. PATCH AND REPAIR EXISTING SUB FLOOR AS REQUIRED TO PROVIDE SMOOTH AND LEVEL SURFACE. READY TO RECEIVE NEW FLOOR FINISH. REFER TO FINISH SCHEDULE ON SHEET A-600. |
| D2 | REMOVE EXISTING STAIRS AND HANDRAILS TO EXTENTS SHOWN ON DRAWINGS. WHERE APPLICABLE PATCH AND REPAIR EXISTING ADJACENT WALLS AND FLOOR AS REQUIRED. |
| D3 | REMOVE EXISTING DOOR AND DOOR FRAME. |
| D4 | REMOVE EXISTING LAVATORY AND SINK. CAP OFF ALL PLUMBING LINES IN FLOOR AND/ OR WALL AS REQUIRED. REFER TO PLUMBING DRAWINGS. |
| D5 | REMOVE EXISTING WATER CLOSET AND/ OR URINAL. CAP OFF ALL PLUMBING LINES IN FLOOR AND/ OR WALL AS REQUIRED. REFER TO PLUMBING DRAWINGS. |
| D6 | EXISTING FIRST LAYER OF CEILING AND LIGHT FIXTURES TO BE REMOVED. |
| D7 | CONTRACTOR TO REMOVE AS MUCH MILLWORK AND EQUIPMENT AS POSSIBLE IN ORDER TO EXPOSE EXISTING BRICK SHELF. |
| D8 | CONTRACTOR TO REMOVE EXISTING MILLWORK, CABINETS, OVERHEAD CABINETS WHERE APPLICABLE. WITH MILLWORK CONTAINING, SINK, REMOVE AND CAP OFF LINES IN WALLS AND/ OR FLOOR AS REQUIRED. PATCH EXISTING ADJACENT FLOORS AND WALLS INDICATED TO REMAIN AS REQUIRED. |
| D9 | REMOVE PORTION OF EXISTING EXTERIOR WALL CONSTRUCTION AS REQUIRED FOR NEW WINDOW. REFER TO NEW FLOOR PLAN AND WINDOW SCHEDULE. |
| D10 | EXISTING STAIRS, STRINGERS AND HANDRAILS TO BE REMOVED. REMOVE EXISTING SUPPORT COLUMNS AND WOOD LANDING AT 2ND FLOOR ENTRANCE. PATCH AND REPAIR EXISTING EXTERIOR ADJACENT WALLS AS REQUIRED. |
| D11 | SAW CUT AND REMOVE EXISTING CONCRETE CURB AND GUTTER TO EXTENTS SHOWN AS REQUIRED FOR NEW WORK. REFER TO NEW FLOOR PLAN FOR NEW WORK. |
| D12 | REMOVE EXISTING CONCRETE STAIRS AND HANDRAILS. |
| D13 | SAW CUT AND REMOVE PORTION OF EXISTING RETAINING WALL TO EXTENTS SHOWN AS REQUIRED FOR NEW WORK. REFER TO SHEETS A-111 AND A-112 FOR NEW WORK. |
| D14 | SAW CUT AND REMOVE PORTION OF EXISTING ASPHALT TO EXTENTS SHOWN AS REQUIRED FOR NEW WORK. REFER TO FLOOR PLAN FOR NEW WORK. |
| D15 | EXISTING WINDOW GLASS AND FRAME TO BE REMOVED- REFER TO FLOOR PLAN FOR NEW WORK TO EXISTING OPENING. |
| D16 | REMOVE PORTION OF EXISTING EXTERIOR WALL AS REQUIRED FOR NEW DOOR AND DOOR FRAME. REFER TO DOOR SCHEDULE ON SHEET A-600 |
| D17 | REMOVE EXISTING 2ND LEVEL ROOF STRUCTURE AT EXTERIOR. REMOVE ALL EXISTING STEEL STRUCTURE, ASSOCIATED ROOFING, FLASHING AND CAULKING AS REQUIRED. PATCH AND REPAIR EXISTING EXTERIOR WALL AS REQUIRED. PREPARE FOR NEW EIFS TO EXTENTS SHOWN ON DRAWINGS. REFER TO EXTERIOR ELEVATIONS ON SHEET A-200. |
| D18 | REMOVE EXISTING SPIRAL STAIRCASE AND RAILING AND ASSOCIATED FRAMING AS REQUIRED. PREPARE EXISTING OPENING TO RECEIVE NEW CODE COMPLIANT SPIRAL STAIR AND RAILING. PATCH AND REPAIR EXISTING FLOOR AS REQUIRED. |
| D19 | EXISTING STEEL COLUMN TO BE REMOVED. |
| D20 | REMOVE EXISTING CONCRETE SIDEWALK AND CONCRETE PAD. PREPARE AREA FOR NEW WORK AS INDICATED ON NEW FLOOR PLAN. |
| D21 | PREPARE AREA AS REQUIRED FOR NEW CONCRETE ADA RAMP AND LANDSCAPE BED. REFER TO NEW FLOOR PLAN AND DETAILS. |
| D22 | EXISTING OVERHEAD AWNING TO BE REMOVED. PATCH AND REPAIR EXISTING EXTERIOR WALL AS REQUIRED. |
| D23 | EXISTING OUT DOOR HEAT PUMPS, CONDENSING UNITS, DISCONNECTS AND ASSOCIATED CONDENSATE LINES ETC. TO BE REMOVED. REFER TO MECHANICAL DRAWINGS. |
| D24 | PREPARE EXISTING AREA FOR NEW CONCRETE SIDEWALK. REFER TO FLOOR PLAN. |
| D25 | REMOVE EXISTING GYPSUM BOARD AND FRAMING DOWN TO INTERIOR BRICK. PATCH AND REPAIR AS REQUIRED FOR NEW PAINT. |
| D26 | EXISTING CONCEALED SPUNE CEILING ABOVE NEWER LAY-IN CEILING TO BE REMOVED TO STRUCTURE ABOVE. IT IS THE INTENT FOR EXISTING STRUCTURE TO BE EXPOSED AND TO BE PAINTED. |
| D27 | SAW CUT AND REMOVE EXISTING FLOOR SLAB AND EARTH AS REQUIRED FOR NEW FOOTING FOR WOOD POST AT NEW STAIR WELL. REFER TO STRUCTURAL. |
| D28 | REMOVE PORTION OF EXISTING ROOF STRUCTURE ABOVE AS REQUIRED FOR NEW ROOF HATCH. EXACT LOCATION TO BE DETERMINED IN FIELD BASED ON EXISTING ROOF CONDITIONS. REFER TO CEILING PLAN. |



PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com 478.972.9329
david.higgins@parkhigginsdesign.com 205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



08-01-2025

RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

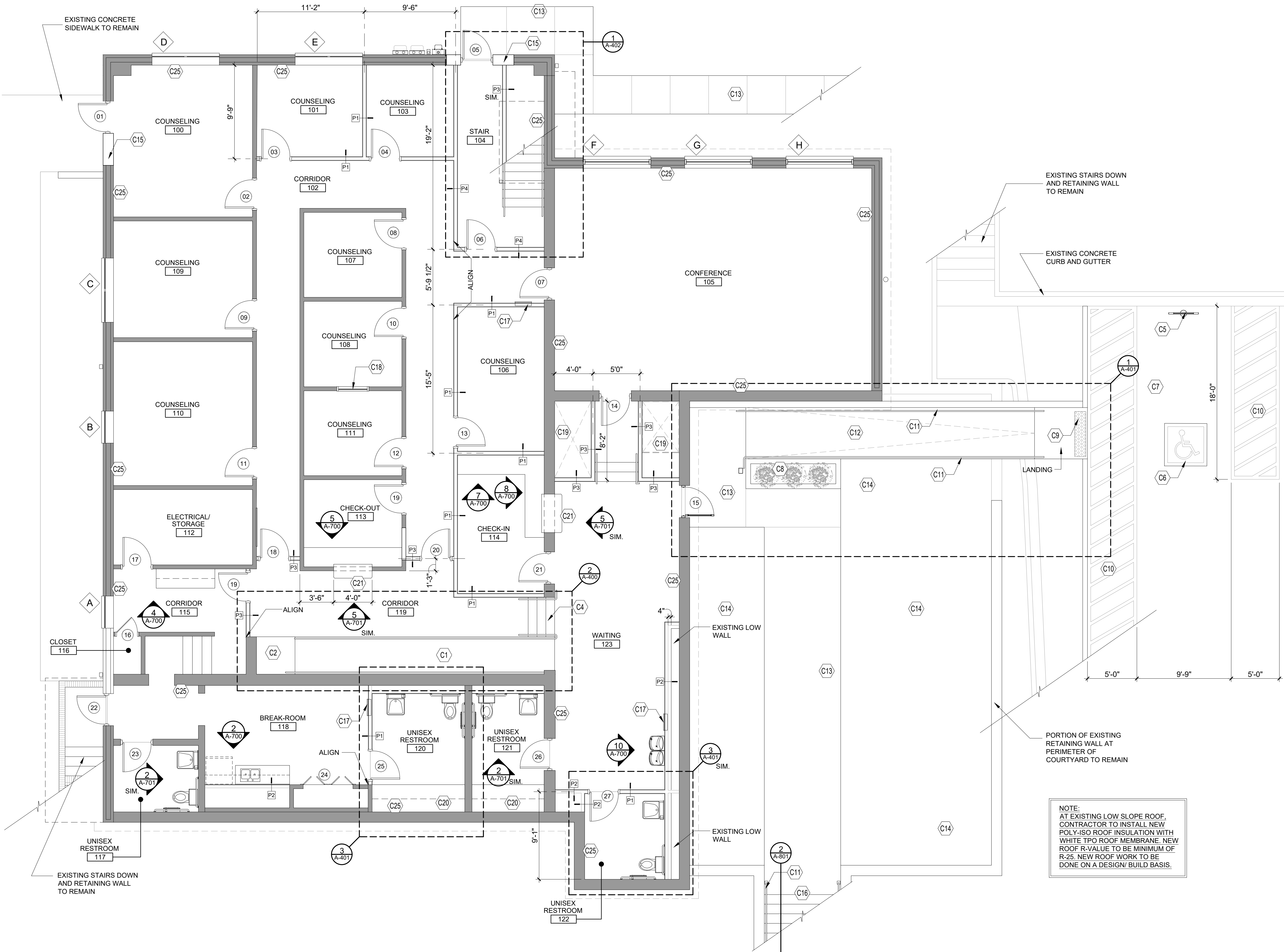
SHEET TITLE
DEMOLITION PLAN
LEGEND AND NOTES
2ND FLOOR

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER

A-101



FLOOR PLAN- 1ST FLOOR

SCALE
3/16" = 1'-0"

CONSTRUCTION PLAN - GENERAL NOTES

- ALL LABOR, MATERIALS, FINISH REQUIREMENTS, AND THE FINAL FINISHED PRODUCT AS OUTLINED AND REQUIRED BY THE PLANS, SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS, SHALL CONFORM WITH THE CURRENT STANDARD EDITION OF THE LOCAL BUILDING CODE AND ALL LOCAL CODES AND ORDINANCES.
- CONTRACTOR WILL SECURE ALL BUILDING PERMITS & INSPECTIONS NECESSARY FOR THE CONSTRUCTION OF THE SPACE.
- THIS MATERIAL IS COPYRIGHTED BY PARK + HIGGINS DESIGN, LLC. ANY REPRODUCTION, COPYING OR ANY OTHER USE OF THIS MATERIAL WITHOUT THE EXPRESSED WRITTEN CONSENT OF PARK + HIGGINS DESIGN, LLC. IS PROHIBITED.
- MAINTENANCE EXCLUSION: THESE DRAWINGS WERE PREPARED FOR PURPOSES OF CONSTRUCTION ONLY. THESE DRAWINGS ARE NOT TO BE USED FOR MAINTENANCE PURPOSES AS ACTUAL CONDITIONS MAY VARY FROM THOSE SHOWN ON THE DRAWINGS DUE TO CHANGE ORDERS, ALTERATIONS BY OTHERS, FIELD CONDITIONS, ETC.
- DRAWINGS ARE NOT TO BE SCALED FOR INFORMATION.
- DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DOCUMENTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY UPON DISCOVERY.
- ALL WORK AND FINISHED EQUIPMENT SHALL BE COMPLETE IN EVERY RESPECT SATISFACTORY TO THE OWNER & ARCHITECT.
- ALL DIMENSIONS ARE TAKEN FROM FACE OF EXISTING WALL TO CENTER LINE OF NEW STUD.

CONSTRUCTION PLAN LEGEND

- | | | | |
|--|---|--|--|
| | NEW WALL PARTITION- REFER TO PARTITION SCHEDULE | | CONSTRUCTION NOTE |
| | EXISTING CONSTRUCTION TO REMAIN | | DETAIL NUMBER |
| | INDICATES NEW PARTITION TYPE - REFER TO PARTITION SCHEDULE ON SHEET A-600 | | DETAIL INDICATOR |
| | INDICATES DOOR OPENING REFER TO SCHEDULE ON SHEET A-600 | | INDICATES WINDOW OPENING REFER TO WINDOW SCHEDULE ON SHEET A-600 |

CONSTRUCTION PLAN - KEYED NOTES

- | | |
|-----|--|
| C1 | NEW ADA RAMP AT INTERIOR. MAXIMUM RAMP SLOPE TO BE 1:12. REFER TO DETAILS 11 AND 12 ON SHEET A-800. |
| C2 | MINIMUM LENGTH OF LANDING MUST EQUAL TO OR GREATER THAN WIDTH. CONTRACTOR TO VERIFY IN FIELD BASED ON RAMP LENGTH AND NOTIFY ARCHITECT OF ANY DISCREPANCIES. |
| C3 | NEW JANITOR SINK. REFER TO PLUMBING DRAWINGS. |
| C4 | NEW WOOD STAIRS AND HANDRAILS. REFER TO DETAIL. |
| C5 | NEW ADA PARKING SIGN- REFER TO DETAIL ON SHEET A-800. |
| C6 | NEW ADA PARKING SYMBOL- REFER TO DETAIL ON SHEET A-800. |
| C7 | NEW 9'-0" X 18'-0" ADA PARKING SPACE AND VAN AISLE. CONTRACTOR TO VERIFY EXISTING SLOPE AT ASPHALT AND CONFIRM MAXIMUM SLOPES IN ANY DIRECTION ARE 2% IN ANY DIRECTION. CONTRACTOR TO NOTIFY ARCHITECT IMMEDIATELY IF SLOPES EXCEED THE 2% MAXIMUM. STRIPING TO BE BLUE (SHADE 15180 OF FE. STD. 595A) 6" OR PER REQUIREMENTS OF LOCAL JURISDICTION. |
| C8 | NEW 6" CURB WITH LANDSCAPE BED. NOTE: CONTRACTOR TO DETERMINE LANDSCAPE ALLOWANCE. |
| C9 | INSTALL 18" LONG X WIDTH OF RAMP TRUNCATED DOME MAT. MAT COLOR TO BE SAFETY YELLOW. |
| C10 | 6" WHITE CHEVRONS, 45 DEGREES AT 36" O.C. PAINT TO COMPLY WITH GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS. |
| C11 | NEW 1 1/2" DIAMETER HANDRAIL AT NEW RAMP. REFER TO DETAIL ON SHEET A-800. |
| C12 | NEW CONCRETE ADA RAMP WITH MINIMUM SLOPE OF 1:12 WITH 2% MAXIMUM CROSS SLOPE. EXACT RAMP LENGTHS TO BE BASED ON NEW AND EXISTING GRADES. REFER TO DETAILS ON SHEET A-800. |
| C13 | NEW 4" THICK 3000 PSI CONCRETE SIDEWALK AND PATIO WITH BROOM FINISH. SAW CUT CONTROL JOINTS EVERY 48" |
| C14 | NEW GRASS SOD AND/ OR LANDSCAPING IN EXISTING COURTYARD AREA TO BE DECIDED BY OWNER AND COVERED WITH LANDSCAPE ALLOWANCE. |
| C15 | INFILL EXISTING EXTERIOR WALL WITH NEW CONSTRUCTION TO MATCH EXISTING AFTER RELOCATING DOOR. |
| C16 | NEW CONCRETE STAIRS TO BE RE-POURED. ALL TREADS AND RISERS TO BE EQUAL IN WIDTH AND HEIGHT- REFER TO DETAIL ON SHEET A-801. |
| C17 | INSTALL NEW 20LB ABC FIRE EXTINGUISHER AND CABINET. REFER TO INTERIOR ELEVATION. |
| C18 | EXISTING INTERIOR WINDOW TO REMAIN |
| C19 | CONTRACTOR TO COORDINATE WITH OWNER THE USE OF THIS SPACE FOR STORAGE IF SPACE ISN'T NEEDED FOR MECHANICAL CHASE OR EQUIPMENT. |
| C20 | CONTRACTOR TO COORDINATE IN FIELD THE REMOVAL OF EXISTING MATERIAL DOWN TO STORAGE SHELF AND EXPOSED BRICK. REWORK AS REQUIRED TO PROVIDE NEW STORAGE. EXISTING BRICK TO BE PAINTED WALL COLOR. |
| C21 | NEW LAMINATE COUNTER AT CHECK-IN AND CHECK-OUT WINDOWS. REFER TO DETAIL. |
| C22 | TRIAGE AREA. CONTRACTOR TO VERIFY ALL REQUIREMENTS WITH OWNER. |
| C23 | WALL MOUNTED TV MONITOR. PROVIDE WOOD BLOCKING IN WALL AS REQUIRED. COORDINATE EXACT PLACEMENT WITH OWNER. |
| C24 | NEW FRAMED PASS-THRU WINDOW. CONTRACTOR TO VERIFY THE EXACT SIZE AND LOCATION OF THIS ITEM WITH OWNER. |
| C25 | PREPARE EXISTING INTERIOR BRICK FOR NEW PAINT. |
| C26 | DASHED LINE INDICATES EXISTING FLOOR OPENING WHERE SPIRAL STAIR WAS REMOVED. THIS AREA TO BE INFILLED WITH NEW CONSTRUCTION TO MATCH EXISTING. REFER TO DETAIL(S) ON SHEET A-800. |
| C27 | INSTALL NEW WALL MOUNTED LADDER TO EXISTING MASONRY WALL. EXACT LOCATION TO BE DETERMINED IN FIELD BASED ON EXISTING ROOF CONDITIONS. |

ph
design

PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478.972.9329
david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



RENOVATIONS AND MODIFICATIONS FOR CROSSROADS CHRISTIAN COUNSELING CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

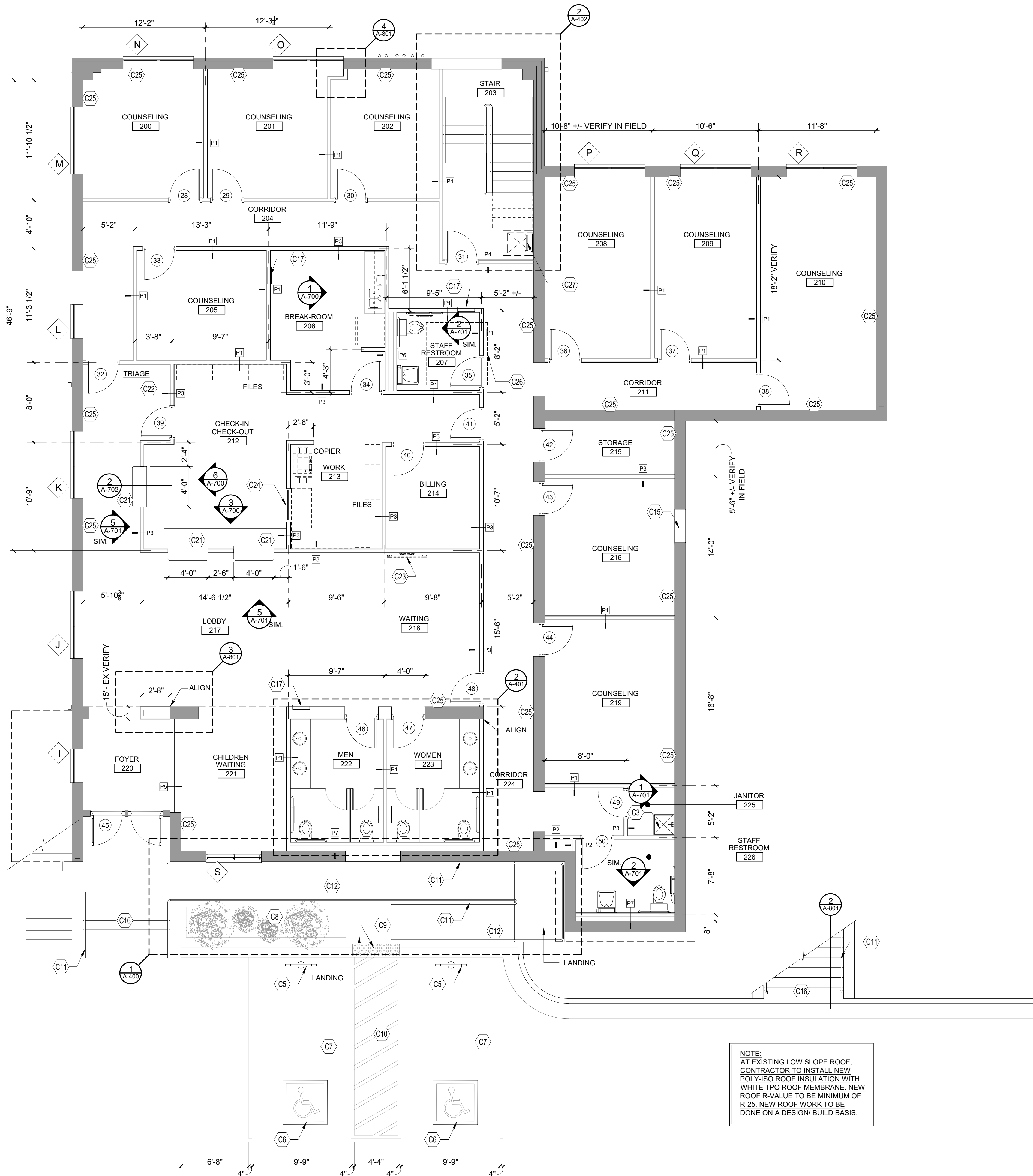
SHEET TITLE
FLOOR PLAN
LEGEND AND NOTES
1ST FLOOR

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER

A-110



FLOOR PLAN- 2ND FLOOR

SCALE
3/16" = 1'-0"

CONSTRUCTION PLAN - GENERAL NOTES

1. ALL LABOR, MATERIALS, FINISH REQUIREMENTS, AND THE FINAL FINISHED PRODUCT AS OUTLINED AND REQUIRED BY THE PLANS, SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS, SHALL CONFORM WITH THE CURRENT STANDARD EDITION OF THE LOCAL BUILDING CODE AND ALL LOCAL CODES AND ORDINANCES.
2. CONTRACTOR WILL SECURE ALL BUILDING PERMITS & INSPECTIONS NECESSARY FOR THE CONSTRUCTION OF THE SPACE.
3. THIS MATERIAL IS COPYRIGHTED BY PARK + HIGGINS DESIGN, LLC. ANY REPRODUCTION, COPYING OR ANY OTHER USE OF THIS MATERIAL WITHOUT THE EXPRESSED WRITTEN CONSENT OF PARK + HIGGINS DESIGN, LLC. IS PROHIBITED.
4. MAINTENANCE EXCLUSION: THESE DRAWINGS WERE PREPARED FOR PURPOSES OF CONSTRUCTION ONLY. THESE DRAWINGS ARE NOT TO BE USED FOR MAINTENANCE PURPOSES AS ACTUAL CONDITIONS MAY VARY FROM THOSE SHOWN ON THE DRAWINGS DUE TO CHANGE ORDERS, ALTERATIONS BY OTHERS, FIELD CONDITIONS, ETC.
5. DRAWINGS ARE NOT TO BE SCALED FOR INFORMATION.
6. DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DOCUMENTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY UPON DISCOVERY.
7. ALL WORK AND FINISHED EQUIPMENT SHALL BE COMPLETE IN EVERY RESPECT SATISFACTORY TO THE OWNER & ARCHITECT.
8. ALL DIMENSIONS ARE TAKEN FROM FACE OF EXISTING WALL TO CENTER LINE OF NEW STUD.

CONSTRUCTION PLAN LEGEND

- NEW WALL PARTITION- REFER TO PARTITION SCHEDULE
- EXISTING CONSTRUCTION TO REMAIN
- INDICATES NEW PARTITION TYPE - REFER TO PARTITION SCHEDULE ON SHEET A-600
- INDICATES DOOR OPENING REFER TO SCHEDULE ON SHEET A-600
- CONSTRUCTION NOTE
- DETAIL NUMBER
- SHEET NUMBER
- INDICATES WINDOW OPENING REFER TO WINDOW SCHEDULE ON SHEET A-600

CONSTRUCTION PLAN - KEYED NOTES

C1	NEW ADA RAMP AT INTERIOR. MAXIMUM RAMP SLOPE TO BE 1:12. REFER TO DETAILS 11 AND 12 ON SHEET A-800.
C2	MINIMUM LENGTH OF LANDING MUST EQUAL TO OR GREATER THAN WIDTH. CONTRACTOR TO VERIFY IN FIELD BASED ON RAMP LENGTH AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
C3	NEW JANITOR SINK. REFER TO PLUMBING DRAWINGS.
C4	NEW WOOD STAIRS AND HANDRAILS. REFER TO DETAIL.
C5	NEW ADA PARKING SIGN- REFER TO DETAIL ON SHEET A-800.
C6	NEW ADA PARKING SYMBOL- REFER TO DETAIL ON SHEET A-800.
C7	NEW 9'-0" X 18'-0" ADA PARKING SPACE AND VAN AISLE. CONTRACTOR TO VERIFY EXISTING SLOPE. AT ASPHALT AND CONFORM SLOPES IN ANY DIRECTION ARE 2% IN ANY DIRECTION. CONTRACTOR TO NOTIFY ARCHITECT IMMEDIATELY IF SLOPES EXCEED THE 2% MAXIMUM. STRIPING TO BE BLUE (SHADE 15180 OF FE. STD. 595A) 6" OR PER REQUIREMENTS OF LOCAL JURISDICTION.
C8	NEW 6" CURB WITH LANDSCAPE BED. NOTE: CONTRACTOR TO DETERMINE LANDSCAPE ALLOWANCE.
C9	INSTALL 18" LONG X WIDTH OF RAMP TRUNCATED DOME MAT. MAT COLOR TO BE SAFETY YELLOW.
C10	6" WHITE CHEVRONS, 45 DEGREES AT 36" O.C. PAINT TO COMPLY WITH GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS.
C11	NEW 1 1/2" DIAMETER HANDRAIL AT NEW RAMP. REFER TO DETAIL ON SHEET A-800.
C12	NEW CONCRETE ADA RAMP WITH MINIMUM SLOPE OF 1:12 WITH 2% MAXIMUM CROSS SLOPE. EXACT RAMP LENGTHS TO BE BASED ON NEW AND EXISTING GRADES. REFER TO DETAILS ON SHEET A-800.
C13	NEW 4" THICK 3000 PSI CONCRETE SIDEWALK AND PATIO WITH BROOM FINISH. SAW CUT CONTROL JOINTS EVERY 48"
C14	NEW GRASS SOD AND/ OR LANDSCAPING IN EXISTING COURTYARD AREA TO BE DECIDED BY OWNER AND COVERED WITH LANDSCAPE ALLOWANCE.
C15	INFILL EXISTING EXTERIOR WALL WITH NEW CONSTRUCTION TO MATCH EXISTING AFTER RELOCATING DOOR.
C16	NEW CONCRETE STAIRS TO BE RE-POURED. ALL TREADS AND RISERS TO BE EQUAL IN WIDTH AND HEIGHT- REFER TO DETAIL ON SHEET A-801.
C17	INSTALL NEW 20LB ABC FIRE EXTINGUISHER AND CABINET. REFER TO INTERIOR ELEVATION.
C18	EXISTING INTERIOR WINDOW TO REMAIN
C19	CONTRACTOR TO COORDINATE WITH OWNER THE USE OF THIS SPACE FOR STORAGE IF SPACE ISN'T NEEDED FOR MECHANICAL CHASE OR EQUIPMENT.
C20	CONTRACTOR TO COORDINATE IN FIELD THE REMOVAL OF EXISTING MATERIAL DOWN TO STORAGE SHELF AND EXPOSED BRICK. REWORK AS REQUIRED TO PROVIDE NEW STORAGE. EXISTING BRICK TO BE PAINTED WALL COLOR.
C21	NEW LAMINATE COUNTER AT CHECK-IN AND CHECK-OUT WINDOWS. REFER TO DETAIL.
C22	TRIAGE AREA. CONTRACTOR TO VERIFY ALL REQUIREMENTS WITH OWNER.
C23	WALL MOUNTED TV MONITOR. PROVIDE WOOD BLOCKING IN WALL AS REQUIRED. COORDINATE EXACT PLACEMENT WITH OWNER.
C24	NEW FRAMED PASS-THRU WINDOW. CONTRACTOR TO VERIFY THE EXACT SIZE AND LOCATION OF THIS ITEM WITH OWNER.
C25	PREPARE EXISTING INTERIOR BRICK FOR NEW PAINT.
C26	DASHED LINE INDICATES EXISTING FLOOR OPENING WHERE SPIRAL STAIR WAS REMOVED. THIS AREA TO BE INFILLED WITH NEW CONSTRUCTION TO MATCH EXISTING. REFER TO DETAIL(S) ON SHEET A-800.
C27	INSTALL NEW WALL MOUNTED LADDER TO EXISTING MASONRY WALL. EXACT LOCATION TO BE DETERMINED IN FIELD BASED ON EXISTING ROOF CONDITIONS.

ph
design

PARK + HIGGINS DESIGN, LLC

4545 FORSYTH ROAD, MACON, GEORGIA 31210

brannen.park@parkhigginsdesign.com

478.972.9329

david.higgins@parkhigginsdesign.com

205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.

SEAL

GEORGIA
REGISTERED
PROFESSIONAL
ARCHITECT
BRANNEN PARK

08-01-2025

RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.

717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE

FLOOR PLAN
LEGEND AND NOTES
2ND FLOOR

JOB NUMBER

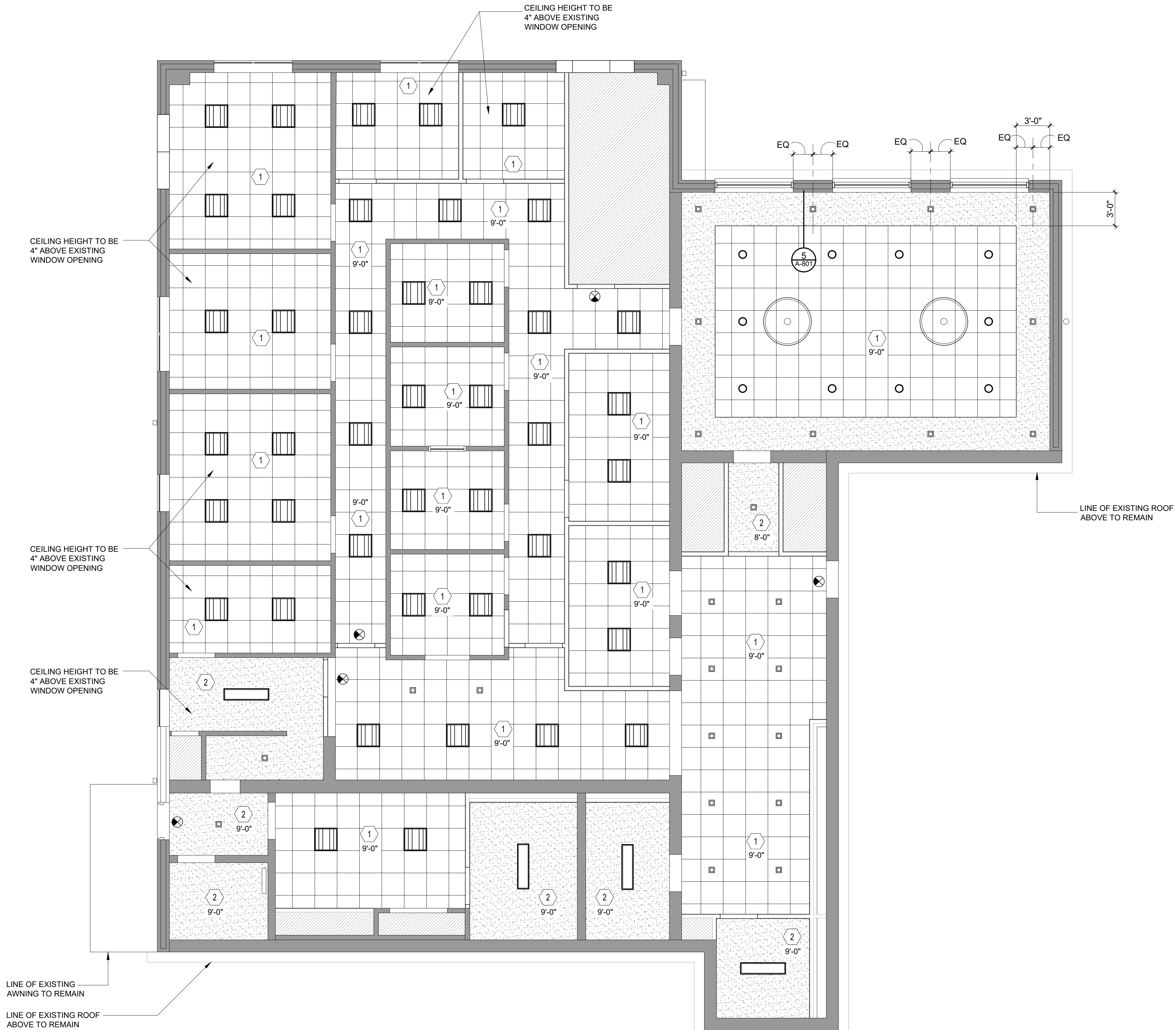
25-CC-01

DATE

08-01-2025

SHEET NUMBER

A-111



CEILING PLAN- GENERAL NOTES

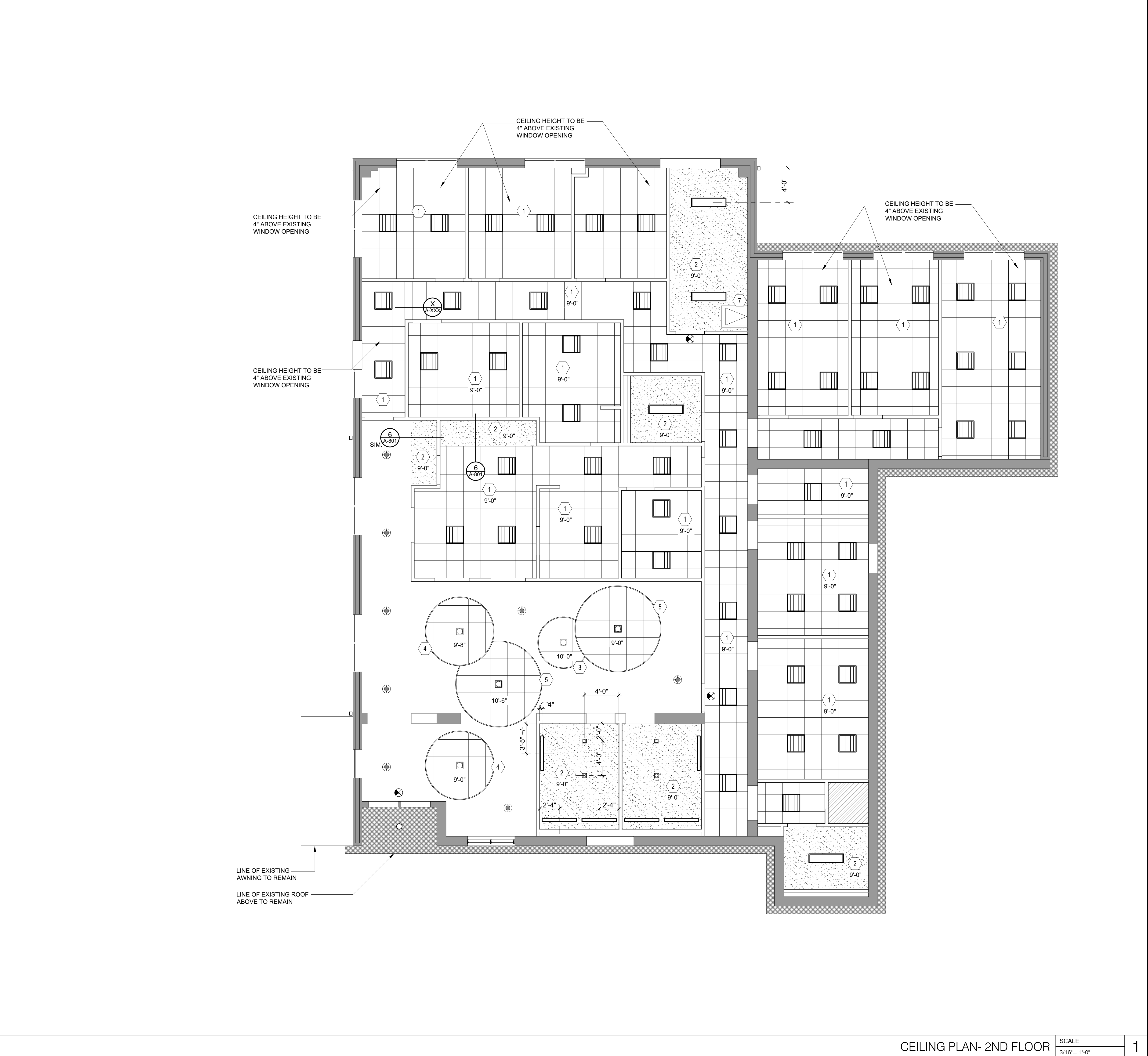
1. REFLECTED CEILING PLAN IS SHOWN FOR GENERAL LAYOUT PURPOSES ONLY. REFER TO MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DIFFUSERS, SPRINKLER HEADS, AND MECHANICAL DEVICES REQUIREMENTS.
2. ALL GYPSUM BOARD CEILINGS ARE TO BE PAINTED CEILING WHITE UNLESS NOTED OTHERWISE.
3. CONTRACTOR TO INSTALL HVAC DUCTWORK AS HIGH AS POSSIBLE AND COORDINATE LIGHT FIXTURE LOCATIONS IN ORDER TO MAINTAIN DESIGN AT CEILING HEIGHTS.
4. IN EXPOSED CEILING AREAS AT MAIN DINING ROOM, CONTRACTOR TO PAINT ALL EXPOSED DUCTWORK, CONDUIT AND LIGHT FIXTURE SUPP/ORT SYSTEMS FLAT BLACK UNLESS NOTED OTHERWISE.
5. THE SUPPORT MEANS REQUIRED FOR MOUNTING AND INSTALLATION OF LIGHT FIXTURES AND DUCTWORK SHALL BE SUPPLIED BY THE ELECTRICAL AND MECHANICAL CONTRACTOR. THE SUPPORT MEANS SHALL BE ATTACHED TO THE STRUCTURE ABOVE. THE CEILING SYSTEM SHALL NOT BE A MEANS OF SUPPORT.
6. SUPPLY, INSTALL AND CONNECT ALL EMERGENCY LIGHTING AS PER ALL APPLICABLE CODES AND ORDINANCES. REFER TO ELECTRICAL DRAWINGS FOR SPECIFICATIONS.
7. CEILING PLAN SHOWS LIGHT FIXTURE TYPE AND LOCATIONS. REFER TO ELECTRICAL DRAWINGS FOR FULL SPECIFICATION AND REQUIREMENTS FOR EACH FIXTURE.
8. FOR CLARITY, MECHANICAL DUCTWORK, DIFFUSERS, RETURN GRILLS AND CONDUIT RUNS ARE NOT SHOWN. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.

CEILING PLAN LEGEND

	EXISTING CONSTRUCTION TO REMAIN	9'-0"	INDICATES CEILING HEIGHT.
	NEW PAINTED GYPSUM BOARD		EMERGENCY EXIT SIGN LOCATION- REFER TO ELECTRICAL DRAWINGS
	NO CEILING REQUIRED AT THIS AREA		NEW RECESSED LIGHT FIXTURE "B" REFER TO ELECTRICAL
	NEW 2'-0" X 2'-0" LAY-IN CEILING TILE AND GRID SYSTEM. REFER TO PLAN FOR AREAS TO RECEIVE MOISTURE RESISTANT CEILING TILES		NEW RECESSED LIGHT FIXTURE "C" REFER TO ELECTRICAL
	NEW 2'-0" X 2'-0" LIGHT FIXTURE "A" REFER TO ELECTRICAL		NEW PENDANT LIGHT FIXTURE "D" REFER TO ELECTRICAL
	NEW 12" X 4'-0" SURFACE MOUNTED FIXTURE- REFER TO ELECTRICAL		NEW PENDANT LIGHT FIXTURE "E" REFER TO ELECTRICAL
	NEW 4'-6" X 4'-0" RECESSED LIGHT FIXTURE- REFER TO ELECTRICAL		NEW PENDANT LIGHT FIXTURE "F" REFER TO ELECTRICAL
	CEILING NOTE		NEW LIGHT FIXTURE TO BE MOUNTED AT LOW WALL AT BOOTH. LIGHT FIXTURE "G". REFER TO ELECTRICAL

CEILING PLAN- LEGEND

1	NEW 2'-0" X 2'-0" LAY-IN CEILING TILE AND GRID
2	PAINTED 5/8" GYPSUM BOARD CEILING ON FURRING SYSTEM. USE MOISTURE RESISTANT GYPSUM BOARD IN RESTROOMS.
3	6'-0" DIAMETER CEILING CLOUD- ARMSTRONG FORMATIONS CURVED CLOUD KIT WITH 6" AXIOM VECTOR TRIM. COLOR: WHITE
4	8'-0" DIAMETER CEILING CLOUD- ARMSTRONG FORMATIONS CURVED CLOUD KIT WITH 6" AXIOM VECTOR TRIM. COLOR: WHITE
5	10'-0" DIAMETER CEILING CLOUD- ARMSTRONG FORMATIONS CURVED CLOUD KIT WITH 6" AXIOM VECTOR TRIM. COLOR: WHITE
6	EXISTING EXPOSED STRUCTURE ABOVE TO BE PAINTED BLACK. ALL EXPOSED CONDUITS, DUCTWORK ETC. TO BE PAINTED BLACK.
7	NEW ROOF HATCH PROVIDED AND INSTALLED BY GC. GENERAL CONTRACTOR TO PROVIDE WOOD BLOCKING AND FRAMING AS REQUIRED. VERIFY ALL REQUIREMENTS WITH ROOF HATCH MANUFACTURER AND INSTALLER. ESTIMATED SIZE OF NEW ROOF HATCH TO BE 30' X 36".



CEILING PLAN- GENERAL NOTES

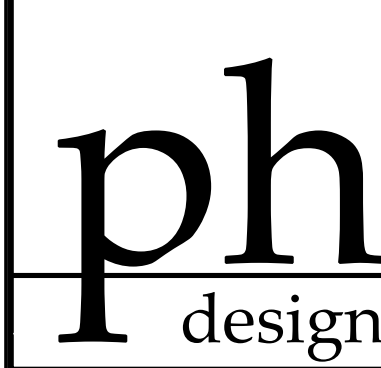
1. REFLECTED CEILING PLAN IS SHOWN FOR GENERAL LAYOUT PURPOSES ONLY. REFER TO MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DIFFUSERS, SPRINKLER HEADS, AND MECHANICAL DEVICES REQUIREMENTS.
2. ALL GYPSUM BOARD CEILINGS ARE TO BE PAINTED CEILING WHITE UNLESS NOTED OTHERWISE.
3. CONTRACTOR TO INSTALL HVAC DUCTWORK AS HIGH AS POSSIBLE AND COORDINATE LIGHT FIXTURE LOCATIONS IN ORDER TO MAINTAIN DESIGN AT CEILING HEIGHTS.
4. IN EXPOSED CEILING AREAS AT MAIN DINING ROOM, CONTRACTOR TO PAINT ALL EXPOSED DUCTWORK, CONDUIT AND LIGHT FIXTURE SUPPORT SYSTEMS FLAT BLACK UNLESS NOTED OTHERWISE.
5. THE SUPPORT MEANS REQUIRED FOR MOUNTING AND INSTALLATION OF LIGHT FIXTURES AND DUCTWORK SHALL BE SUPPLIED BY THE ELECTRICAL AND MECHANICAL CONTRACTOR. THE SUPPORT MEANS SHALL BE ATTACHED TO THE STRUCTURE ABOVE. THE CEILING SYSTEM SHALL NOT BE A MEANS OF SUPPORT.
6. SUPPLY, INSTALL AND CONNECT ALL EMERGENCY LIGHTING AS PER ALL APPLICABLE CODES AND ORDINANCES. REFER TO ELECTRICAL DRAWINGS FOR SPECIFICATIONS.
7. CEILING PLAN SHOWS LIGHT FIXTURE TYPE AND LOCATIONS. REFER TO ELECTRICAL DRAWINGS FOR FULL SPECIFICATION AND REQUIREMENTS FOR EACH FIXTURE.
8. FOR CLARITY, MECHANICAL DUCTWORK, DIFFUSERS, RETURN GRILLS AND CONDUIT RUNS ARE NOT SHOWN. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.

CEILING PLAN LEGEND

	EXISTING CONSTRUCTION TO REMAIN	9'-0"	INDICATES CEILING HEIGHT.
	NEW PAINTED GYPSUM BOARD		EMERGENCY EXIT SIGN LOCATION-REFER TO ELECTRICAL DRAWINGS
	NO CEILING REQUIRED AT THIS AREA		NEW RECESSED LIGHT FIXTURE "B" REFER TO ELECTRICAL
	NEW 2'-0" X 2'-0" LAY-IN CEILING TILE AND GRID SYSTEM. REFER TO PLAN FOR AREAS TO RECEIVE MOISTURE RESISTANT CEILING TILES		NEW RECESSED LIGHT FIXTURE "C" REFER TO ELECTRICAL
	NEW 2'-0" X 2'-0" LIGHT FIXTURE "A" REFER TO ELECTRICAL		NEW PENDANT LIGHT FIXTURE "D" REFER TO ELECTRICAL
	NEW 12" X 4'-0" SURFACE MOUNTED FIXTURE- REFER TO ELECTRICAL		NEW PENDANT LIGHT FIXTURE "E" REFER TO ELECTRICAL
	NEW 4'-6" X 4'-0" RECESSED LIGHT FIXTURE- REFER TO ELECTRICAL		NEW PENDANT LIGHT FIXTURE "F" REFER TO ELECTRICAL
	CEILING NOTE		NEW LIGHT FIXTURE TO BE MOUNTED AT LOW WALL AT BOOTH. LIGHT FIXTURE "G". REFER TO ELECTRICAL

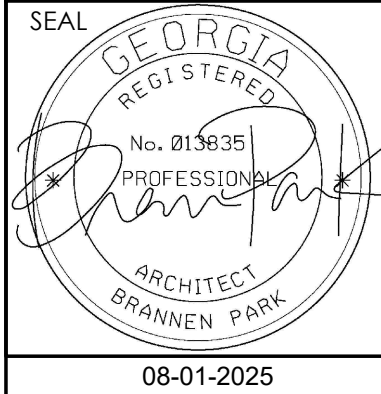
CEILING PLAN- LEGEND

1	NEW 2'-0" X 2'-0" LAY-IN CEILING TILE AND GRID
2	PAINTED 5/8" GYPSUM BOARD CEILING ON FURRING SYSTEM. USE MOISTURE RESISTANT GYPSUM BOARD IN RESTROOMS.
3	6'-0" DIAMETER CEILING CLOUD-- ARMSTRONG FORMATIONS CURVED CLOUD KIT WITH 6" AXIOM VECTOR TRIM. COLOR: WHITE
4	8'-0" DIAMETER CEILING CLOUD-- ARMSTRONG FORMATIONS CURVED CLOUD KIT WITH 6" AXIOM VECTOR TRIM. COLOR: WHITE
5	10'-0" DIAMETER CEILING CLOUD-- ARMSTRONG FORMATIONS CURVED CLOUD KIT WITH 6" AXIOM VECTOR TRIM. COLOR: WHITE
6	EXISTING EXPOSED STRUCTURE ABOVE TO BE PAINTED BLACK. ALL EXPOSED CONDUITS, DUCTWORK ETC. TO BE PAINTED BLACK.
7	NEW ROOF HATCH PROVIDED AND INSTALLED BY GC. GENERAL CONTRACTOR TO PROVIDE WOOD BLOCKING AND FRAMING AS REQUIRED. VERIFY ALL REQUIREMENTS WITH ROOF HATCH MANUFACTURER AND INSTALLER. ESTIMATED SIZE OF NEW ROOF HATCH TO BE 30" X 36".



PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478-972-9329
david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



RENOVATIONS AND MODIFICATIONS FOR CROSSROADS CHRISTIAN COUNSELING CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE
CEILING PLAN
LEGEND AND NOTES
2ND FLOOR

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER

A-131



**RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.**

**717 NORTH AVENUE
MACON, GEORGIA 31211**

SHEET TITLE
LARGE SCALE PLAN
AND DETAILS

JOB NUMBER
05 00 01

DATE
08-01-2025

SHEET NUMBER

A-400



SCALE	1
$1/2^n = 1 \cdot 0^n$	

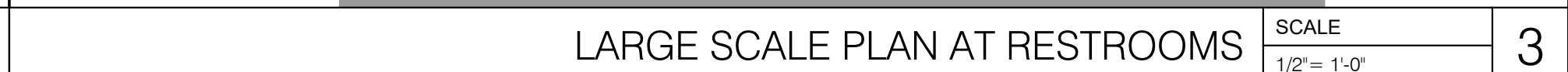
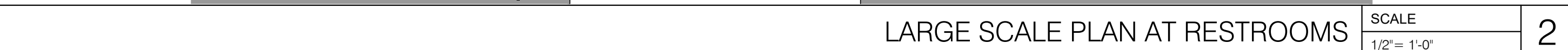
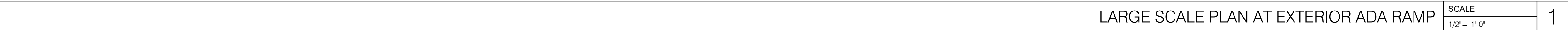


SCALE	2
1/2" = 1'-0"	



SCALE	3
$1\ 1/2'' = 1'-0''$	

3



[illegible]

1. CONTRACTOR TO VERIFY AND COORDINATE FRONT ENTRY DOORS WITH OWNER. DOOR TYPE E IS SHOWN AS PROPOSED OPTION. NEW DOOR TO BE INSTALLED AT EXISTING DOOR FRAME AND NEW DOOR SIZE(S) TO MATCH EXISTING IN HEIGHT, WIDTH AND THICKNESS.
2. ALUMINUM STOREFRONT DOOR THICKNESS IS PER MANUFACTURER
3. ALUMINUM STOREFRONT DOOR HARDWARE PROVIDED BY STOREFRONT MANUFACTURER
4. DOORS SHALL MEET ALL LOCAL WIND SPEED AND IMPACT REQUIREMENTS.
5. ALL DOORS TO MEET PULL SIDE/ PUSH SIDE CLEARANCE REQUIREMENTS.
6. MAXIMUM PULL/ PUSH FORCE AT ALL DOORS TO BE NO GREATER THAN 4.9 POUNDS.
7. ALL DOORS WITH CLOSERS ARE TO MEET CLOSING SPEED REQUIREMENTS.
8. ALL ALUMINUM STOREFRONT DOORS SHALL BE ANODIZED .7 MILS ARCHITECTURAL CLASS I.
9. PROVIDE ADA COMPLIANT HARDWARE ON ALL DOORS.
10. ALL GLAZING SHALL BE TEMPERED GLASS FOR DOORS.
11. NEW DOOR AND FRAME TO FIT IN EXISTING OPENING. VERIFY WIDTH AND HEIGHT IN FIELD.
12. INSTALL PUSH PULL HARDWARE WITH MOP PLATE AT INTERIOR SIDE.
13. INSTALL PRIVACY LOCK WITH MOP PLATE AT INTERIOR

1. FLOOR LEVEL CHANGES GREATER THAN 1/4" SHALL BE BEVELED OR TAPERED 1:2 PER ADA.
2. FLOOR LEVEL CHANGES BETWEEN 1/4" AND 1/2" SHALL BE TAPERED AT A MAX. 1:2 RATIO. MAX VERTICAL SHALL BE 1/4".
3. FLOOR LEVEL CHANGES GREATER THAN 1/2" SHALL BE SLOPED AT A MIN. RATIO OR PROVIDE ADA THRESHOLD.

Diagram A: Solid Core Wood Door. Dimensions: SEE SCHED, 3", TG, 4", 3'-0".

Diagram B: Solid Core Wood Door. Dimensions: SEE SCHED.

Diagram C: Insulated Metal Door (Exterior). Dimensions: SEE SCHED.

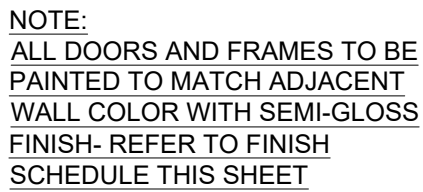
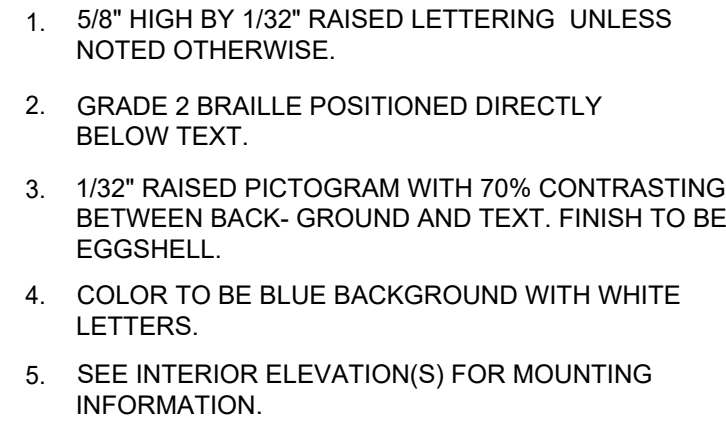
Diagram D: Aluminum Storefront Door. Dimensions: SEE SCHED, 4", 10", TIG.

Diagram E: Solid Core Wood Door. Dimensions: SEE SCHED, TIG, TIG, TIG, TIG.

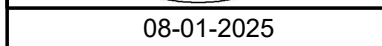
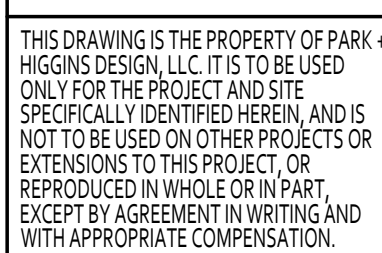
SCW	SOLID CORE WOOD
HM	HOLLOW METAL
WD	WOOD
T.I.G.	TEMPERED INSULATED GLASS
TG	TEMPERED GLASS
M.E.	MATCH EXISTING
V.I.F.	VERIFY IN FIELD
EX	EXISTING

MARK	RATING / DESIGN	STC	HT	DETAIL	DESCRIPTION
P1	NA	NA	TO DECK		1 LAYER 5/8" GYPSUM BOARD SCREW ATTACHED TO BOTH SIDES 2X4 WOOD STUDS AT 16" O.C. PANELS APPLIED VERTICALLY OR HORIZONTALLY. INSTALL SOUND BATTS IN WALL PARTITION.
P2	NA	NA	TO DECK		1 LAYER 5/8" GYPSUM BOARD SCREW ATTACHED TO ONE SIDE OF 2X4 WOOD STUDS AT 16" O.C. PANELS APPLIED VERTICALLY OR HORIZONTALLY. INSTALL SOUND BATTS IN WALL PARTITION.
P3	NA	NA	6" ABOVE CLG.		1 LAYER 5/8" GYPSUM BOARD SCREW ATTACHED TO BOTH SIDES 2X4 WOOD STUDS AT 16" O.C. PANELS APPLIED VERTICALLY OR HORIZONTALLY.
P4	2 HOUR	NA	TO DECK		2 LAYERS 5/8" TYPE "X" GYPSUM BOARD SCREW ATTACHED TO BOTH SIDES 2X4 WOOD STUDS AT 16" O.C. PANELS APPLIED VERTICALLY OR HORIZONTALLY. INSTALL SOUND BATTS IN WALL PARTITION.
P5	NA	NA	LOW WALL 48" A.F.F.		1 LAYER 5/8" GYPSUM BOARD SCREW ATTACHED TO BOTH SIDES 2X4 WOOD STUDS AT 16" O.C. PANELS APPLIED VERTICALLY OR HORIZONTALLY.
P6	NA	NA	TO DECK		
P7	NA	NA	TO DECK		

MARK	PRODUCT	DESCRIPTION
TA-1	TOILET TISSUE DISPENSER	GEORGIA-PACIFIC TWO ROLL BATHROOM TISSUE DISPENSER MODEL #59208 STAINLESS STEEL
TA-2	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	BOBRICK B-3944 COMBINATION PAPER TOWEL DISPENSER/ WASTE RECEPTACLE, RECESSED MOUNTED- STAINLESS STEEL
TA-3	GRAB BARS	BRADLEY 832 SERIES 1 3/4" HEAVY DUTY STAINLESS STEEL GRAB BAR WITH CONCEALED MOUNTING
TA-4	NOT USED	NOT USED
TA-5	SOAP DISPENSER	GOJO FMX-12 SOAP DISPENSER MODEL #5155
TA-6	MIRROR	24" X 36"BOBRICK GLASS MIRROR B2908
TA-7	TOILET WALL SCONCE	REFER TO ELECTRICAL
TA-8	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK B-270 SANITARY NAPKIN DISPOSAL (WOMENS ONLY)
TA-9	COAT HOOK	BRADLEY CORPORATION



SCALE
3" = 1'-0"



REVISION	DATE	DESCRIPTION

DATE
08-01-2025

SHEET NUMBER

A-600

FINISH SCHEDULE

ROOM NUMBER/	ROOM NAME	FLOOR		WALLS		CEILING		REFERENCE NOTES
		FINISH	BASE	MATERIAL	FINISH	HEIGHT	FINISH	
100	COUNSELING							
101	COUNSELING							
102	CORRIDOR							
103	COUNSELING							
104	STAIR							
105	CONFERENCE							
106	COUNSELING							
107	COUNSELING							
108	COUNSELING							
109	COUNSELING							
110	COUNSELING							
111	COUNSELING							
112	ELECTRICAL/ STORAGE							
113	CHECK-OUT							
114	CHECK-IN							
115	CORRIDOR							
116	CLOSET							
117	UNISEX RESTROOM							
118	BREAK ROOM							
119	CORRIDOR							
120	UNISEX RESTROOM							
121	UNISEX RESTROOM							
122	UNISEX RESTROOM							
123	WAITING							
200	COUNSELING							
201	COUNSELING							
202	COUNSELING							
203	STAIR							
204	CORRIDOR							
205	COUNSELING							
206	BREAK ROOM							
207	STAFF RESTROOM							
208	COUNSELING							
209	COUNSELING							
210	COUNSELING							
211	CORRIDOR							
212	CHECK-IN/ CHECK-OUT							
213	WORK							
214	BILLING							
215	STORAGE							
216	COUNSELING							
217	LOBBY							
218	WAITING							
219	COUNSELING							
220	FOYER							
221	CHILDRENS' WAITING							
222	MEN							
223	WOMEN							
224	CORRIDOR							
225	JANITOR							
226	STAFF RESTROOM							

FINISHES TBD

GENERAL FINISH NOTES

1. CONTRACTOR TO PHYSICALLY RECHECK ALL MEASUREMENTS PROVIDED IN DRAWINGS.

2. FIELD VERIFICATION IS REQUIRED FOR QUANTITIES OF ALL MATERIALS PRIOR TO ORDERING AND INSTALLING. DO NOT SCALE DRAWINGS.

3. WHEN A CHANGE IN FLOOR FINISH OCCURS AT DOORWAY, THE SEAM IS TO BE CENTERED UNDER THE DOOR UNLESS OTHERWISE NOTED.

4. THRESHOLDS/TRANSITION STRIPS MUST BE PROVIDED BETWEEN DIFFERING FLOORING MATERIALS. SAMPLES MUST BE PROVIDED TO DESIGNER FOR APPROVAL PRIOR TO ORDERING AND INSTALLING.

5. CONTRACTOR TO ENSURE ALL EXISTING WALLS AND FLOORS ARE PROPERLY PREPARED FOR INSTALLATION OF SPECIFIED MATERIALS. PATCH AND REPAIR AS NECESSARY, READY TO RECEIVE NEW FINISH (CARPET, PAINT, LAMINATE, RESILIENT FLOORING,)

6. ALL FLOORING TO HAVE MANUFACTURERS RECOMMENDED FINISH APPLIED AFTER INSTALLATION AND PROPER CARE AND MAINTENANCE INSTRUCTIONS TO BE ISSUED TO THE CLIENT.

7. PAINTING: ALL SURFACES TO RECEIVE ONE COAT PRIMER, TWO COATS PAINT. PROVIDE SAMPLES TO DESIGNER FOR APPROVAL FOR COLOR VERIFICATION PRIOR TO PROCEEDING WITH WORK. ALL PAINT TO BE BENJAMIN MOORE OR EQUAL. ALL DOORS AND FRAMES, TRIM TO BE LATEX SEMI-GLOSS, ALL CEILINGS TO BE FLAT, ALL WALLS TO BE LOW LUSTER.

8. CONTRACTOR TO USE THIS PLAN IN CONJUNCTION WITH ALL OTHER PLANS AND ELEVATIONS TO DETERMINE LOCATIONS OF DIFFERENT MATERIALS AND FINISHES. ALL FINISHES TO MEET LOCAL BUILDING CODE REQUIREMENTS.

9. CONTRACTOR TO REFER TO ELEVATIONS FOR TILE LOCATIONS IN RESTROOMS.

10. ALL FLOOR FINISH TRANSITIONS TO MEET STATE ACCESSIBILITY REQUIREMENTS.

11. ANY SUBSTITUTION OF MATERIALS TO ACCELERATE THE WORK DURING CONSTRUCTION REQUIRED PRIOR WRITTEN APPROVAL OF BOTH THE OWNER AND THE DESIGNER.

12. THERE ARE NO SUBSTITUTION OF ANY SPECIFIED MATERIALS/FINISHES WITHOUT THE WRITTEN APPROVAL OF BDG ARCHITECTS, LLP. ANY UNAUTHORIZED CHANGES WILL BE REFINISHED AS SPECIFIED AT CONTRACTOR'S EXPENSE.

13. FINISH MATERIAL SHOWN ON SCHEDULE IS FOR PRICING ONLY. ALL FINISHES TO BE DETERMINED AND APPROVED BY OWNER.

FINISH LEGEND

FINISH ABBREV.

REVISION

DATE

DESCRIPTION

SHEET TITLE

FINISH SCHEDULE

AND NOTES

JOB NUMBER

25-CC-01

DATE

08-01-2025

SHEET NUMBER

A-601

ph

design

PARK + HIGGINS DESIGN, LLC

4545 FORSYTH ROAD, MACON, GEORGIA 31210

brannen.park@parkhigginsdesign.com

478.972.9329

david.higgins@parkhigginsdesign.com

205.642.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.

SEAL

GEORGIA

REGISTERED

No. 0156351

PROFESSIONAL

ARCHITECT

BRANNEN PARK

08-01-2025

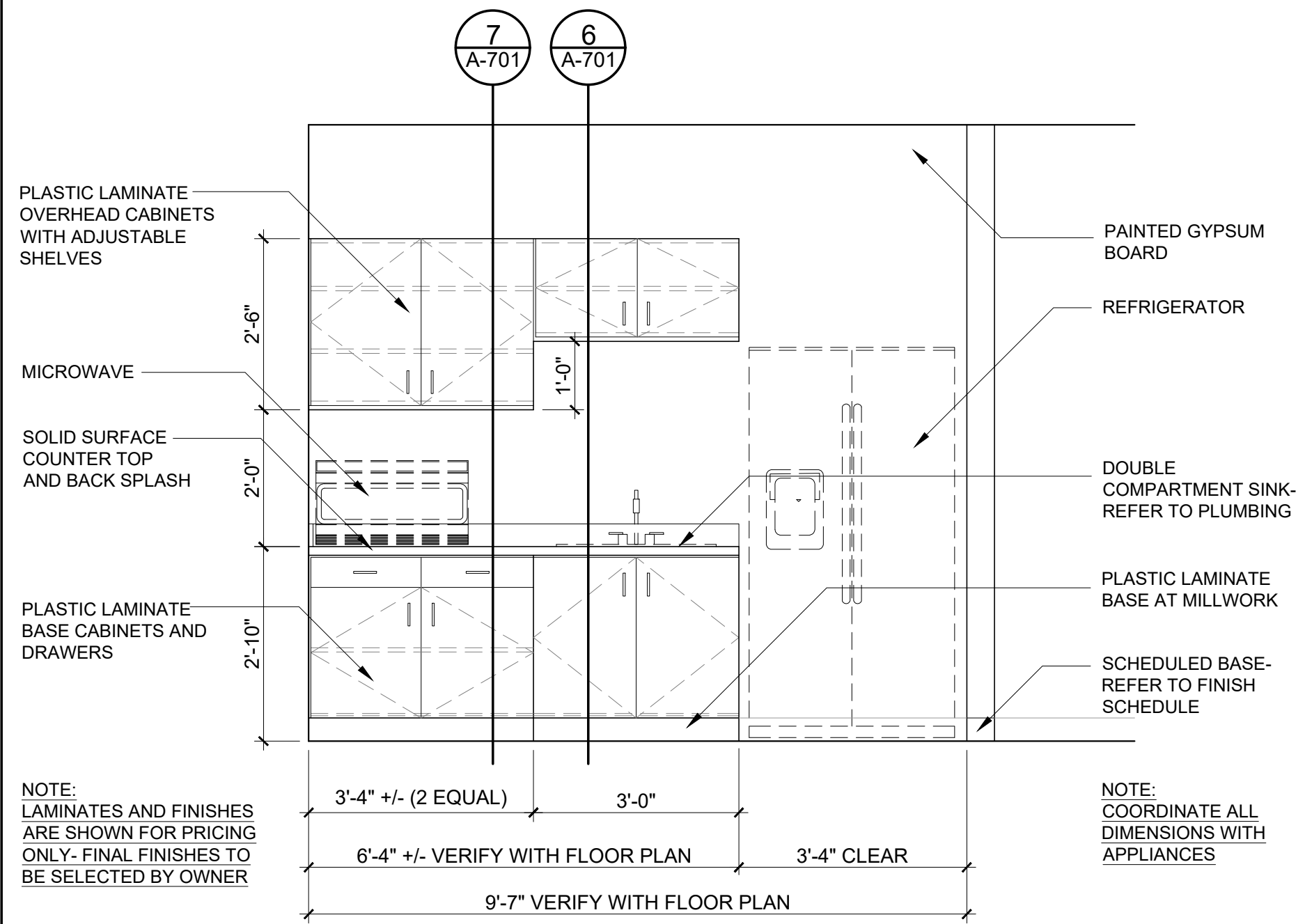
RENOVATIONS AND MODIFICATIONS FOR

CROSSROADS CHRISTIAN COUNSELING

CENTER, INC.

717 NORTH AVENUE

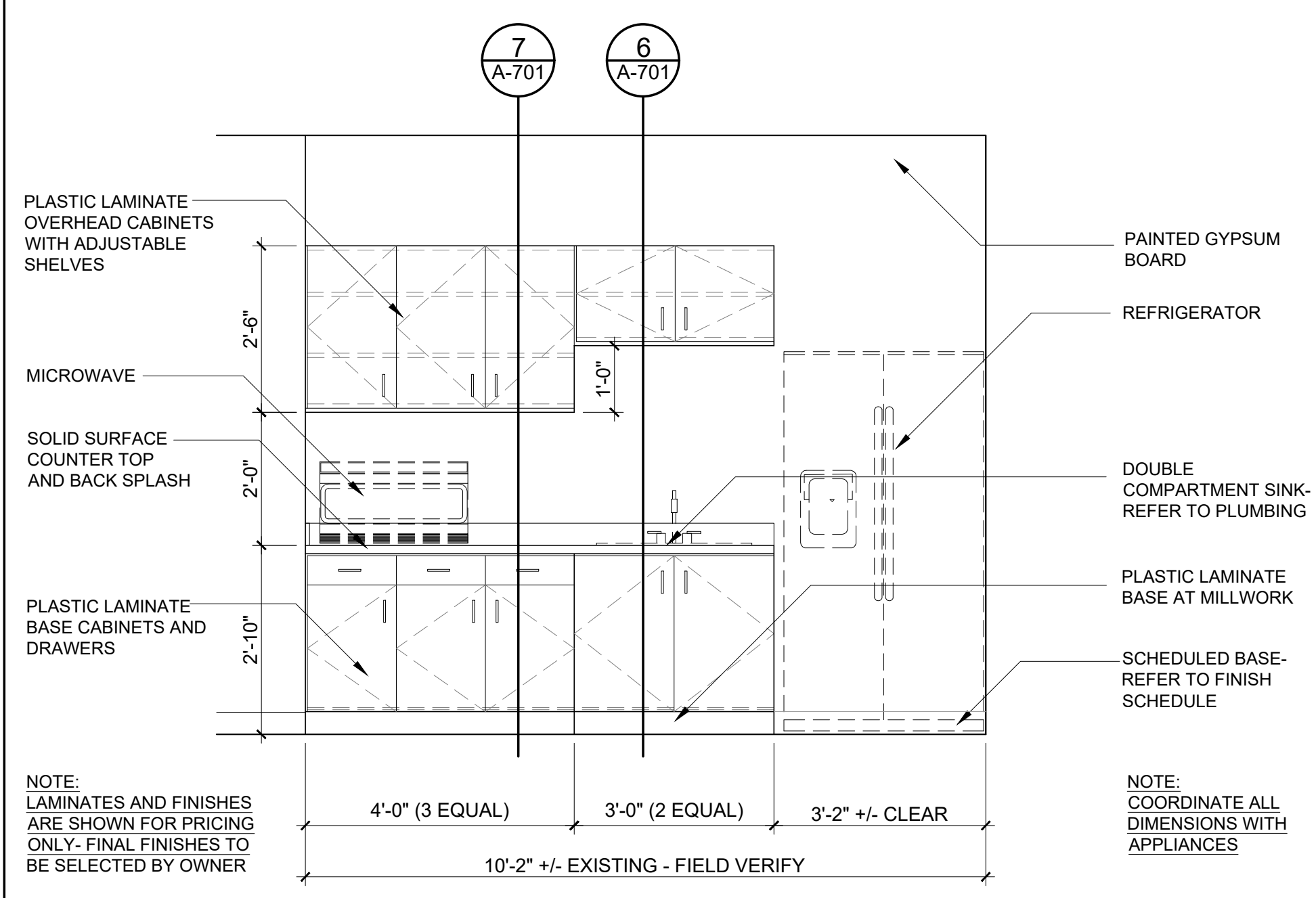
MACON, GEORGIA 31211



INTERIOR ELEVATION

SCALE
1/2" = 1'-0"

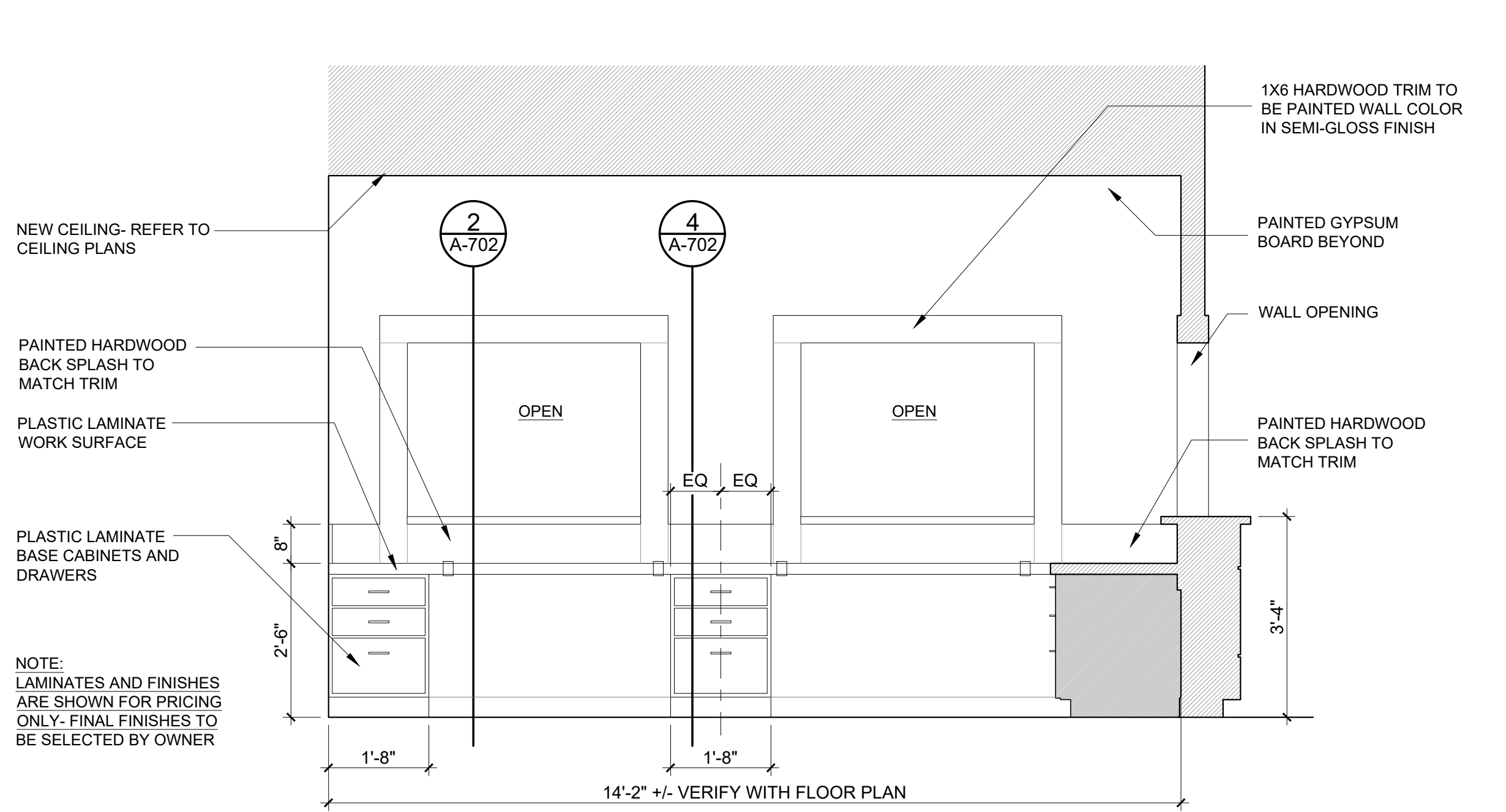
1



INTERIOR ELEVATION

SCALE
1/2" = 1'-0"

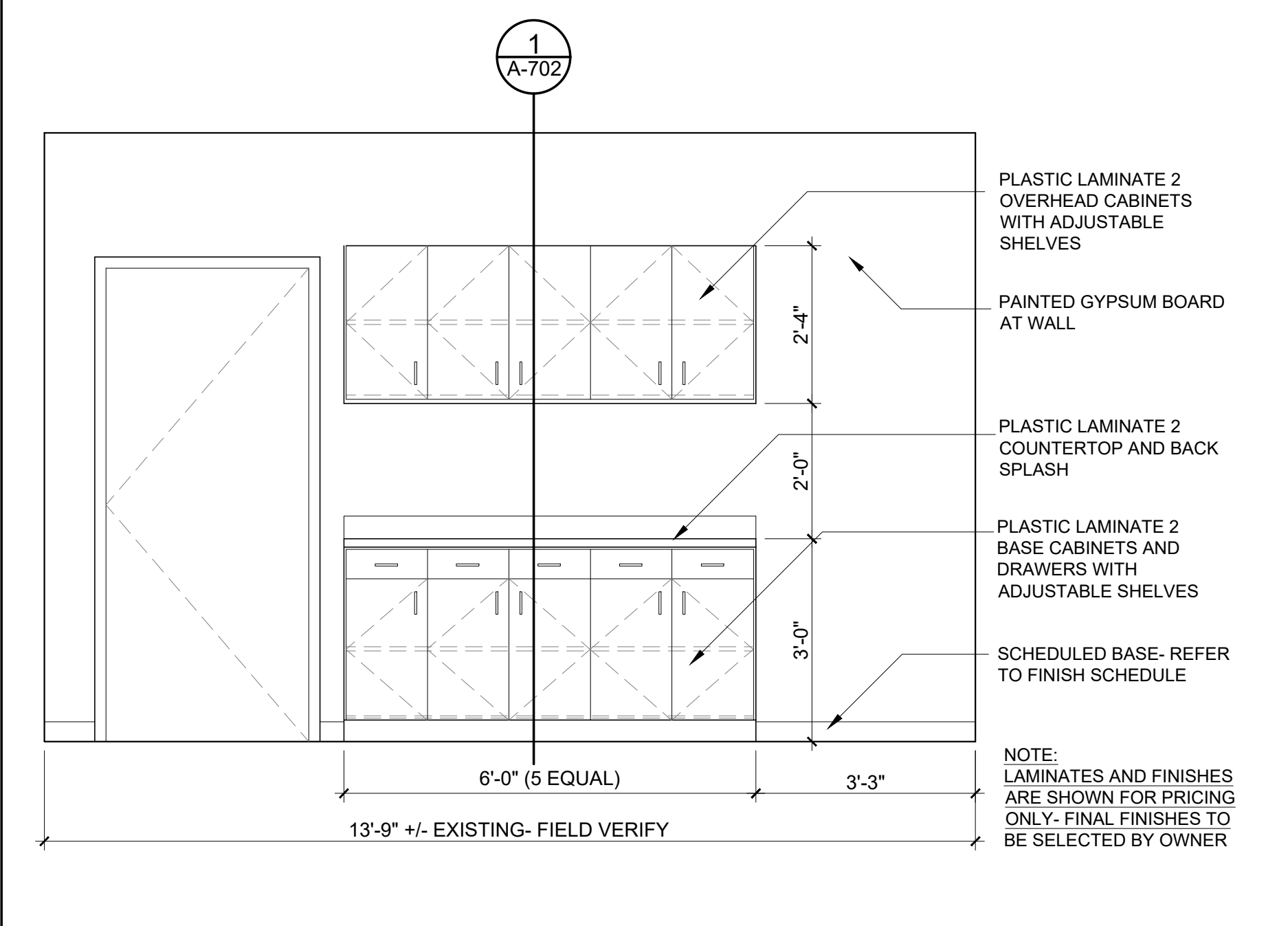
2



INTERIOR ELEVATION

SCALE
1/2" = 1'-0"

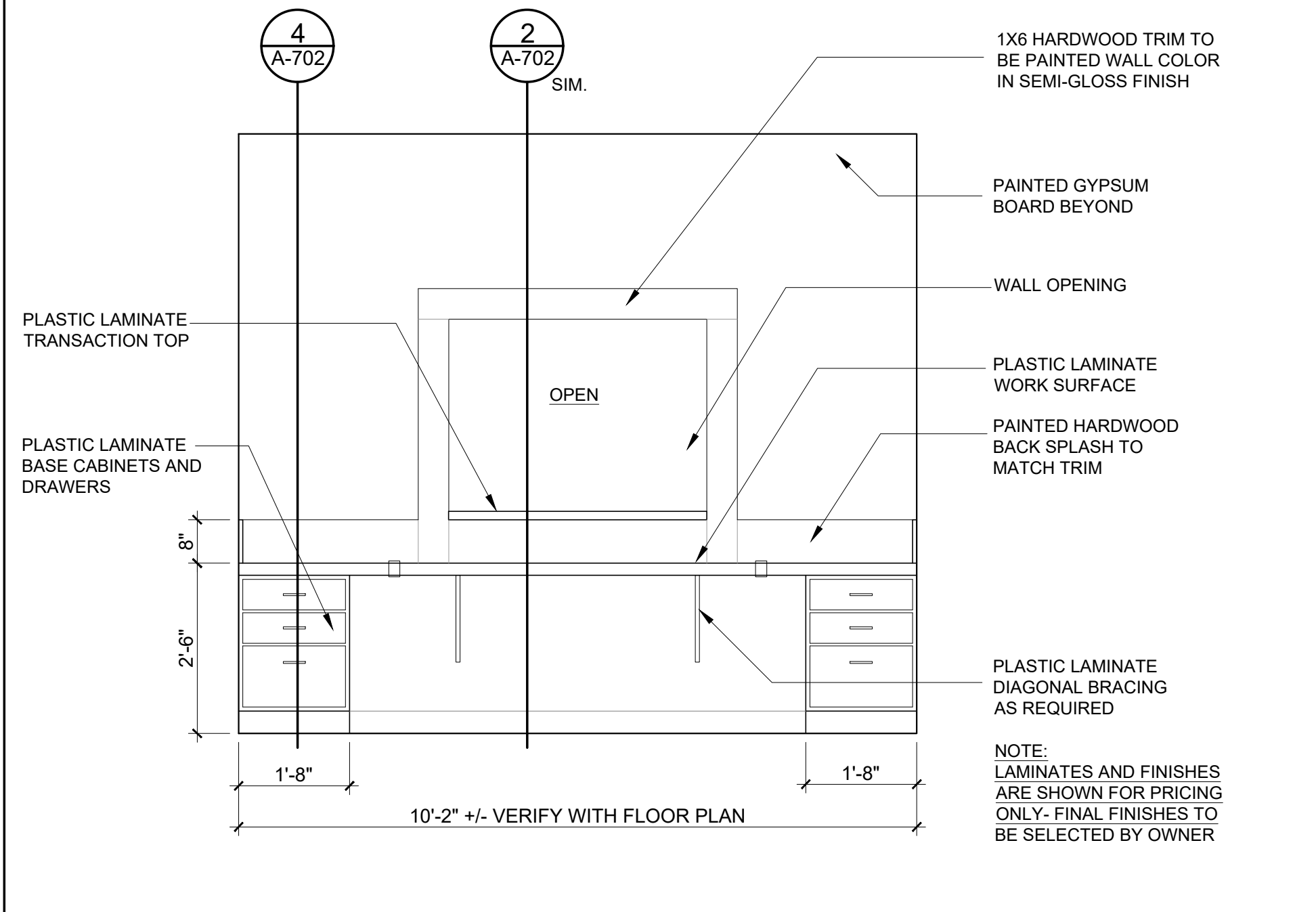
3



INTERIOR ELEVATION

SCALE
1/2" = 1'-0"

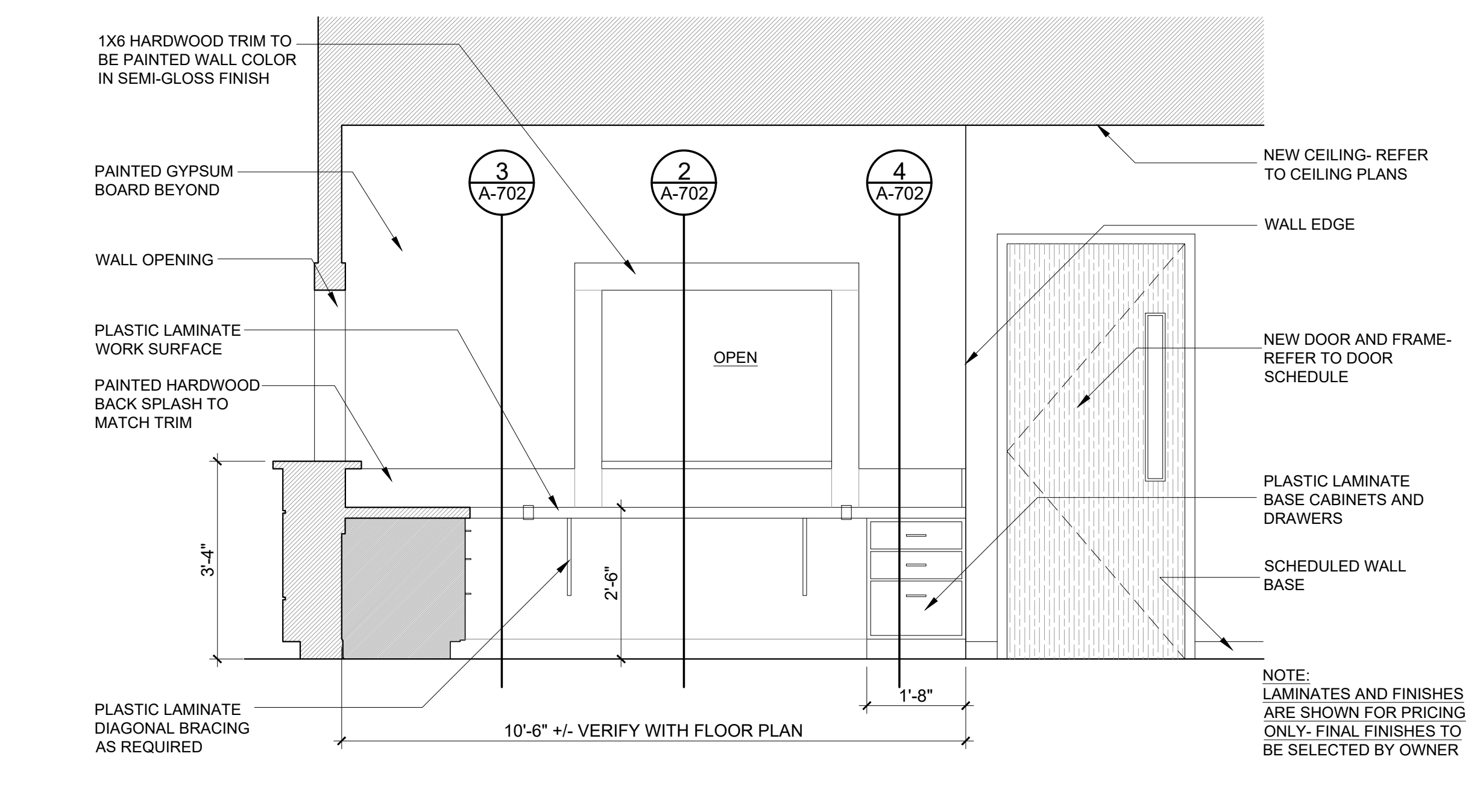
4



INTERIOR ELEVATION

SCALE
1/2" = 1'-0"

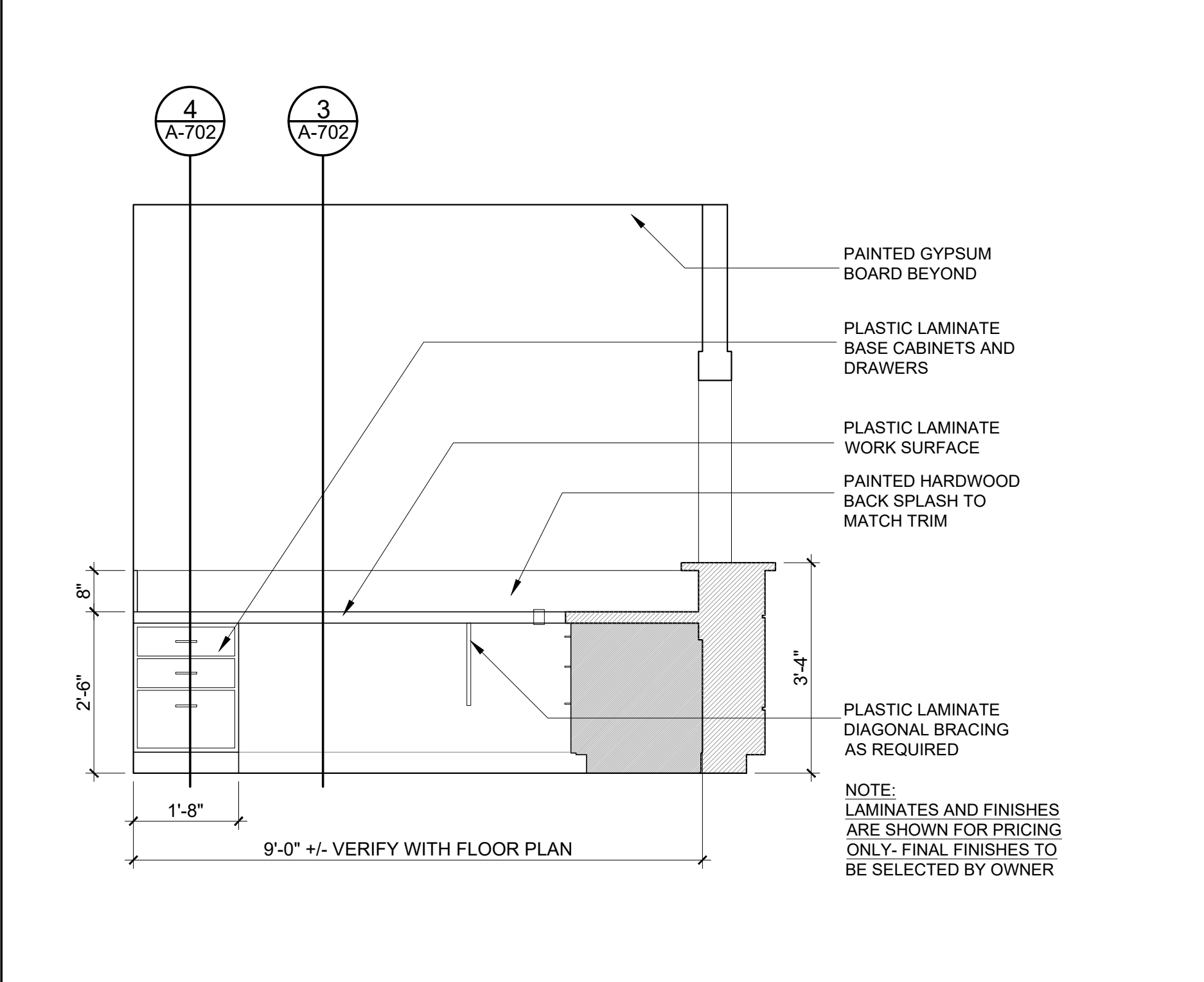
5



INTERIOR ELEVATION

SCALE
1/2" = 1'-0"

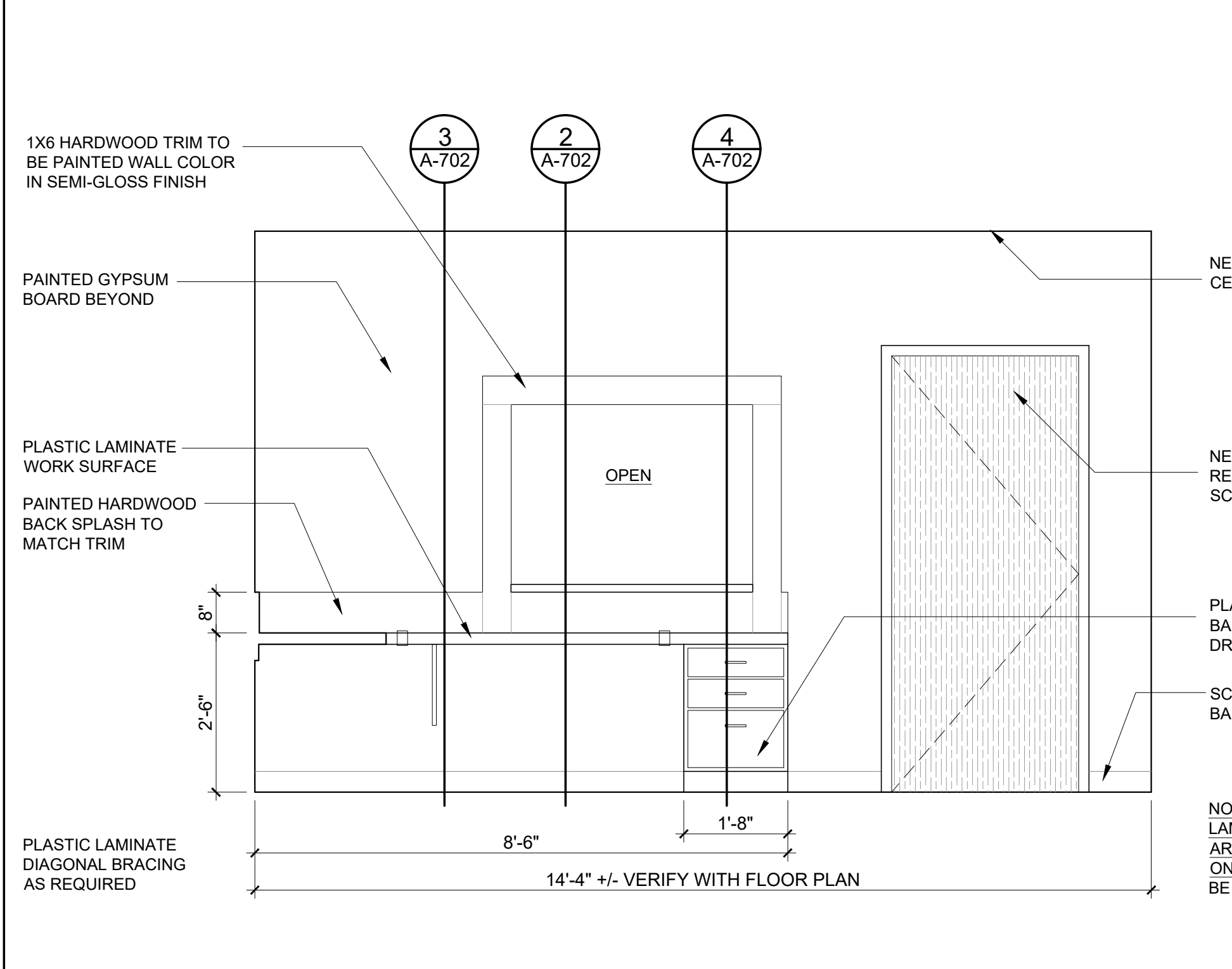
6



INTERIOR ELEVATION

SCALE
1/2" = 1'-0"

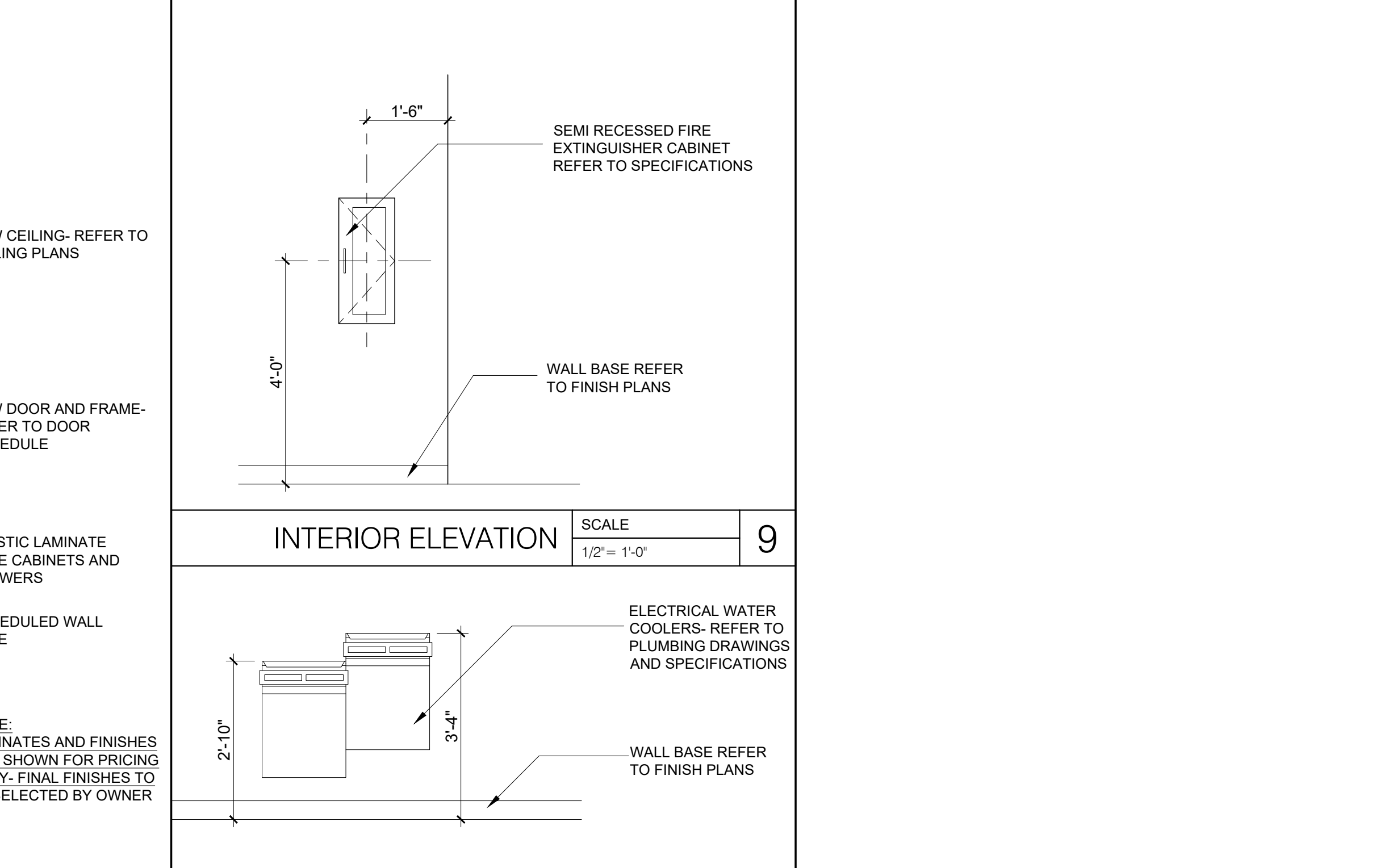
7



INTERIOR ELEVATION

SCALE
1/2" = 1'-0"

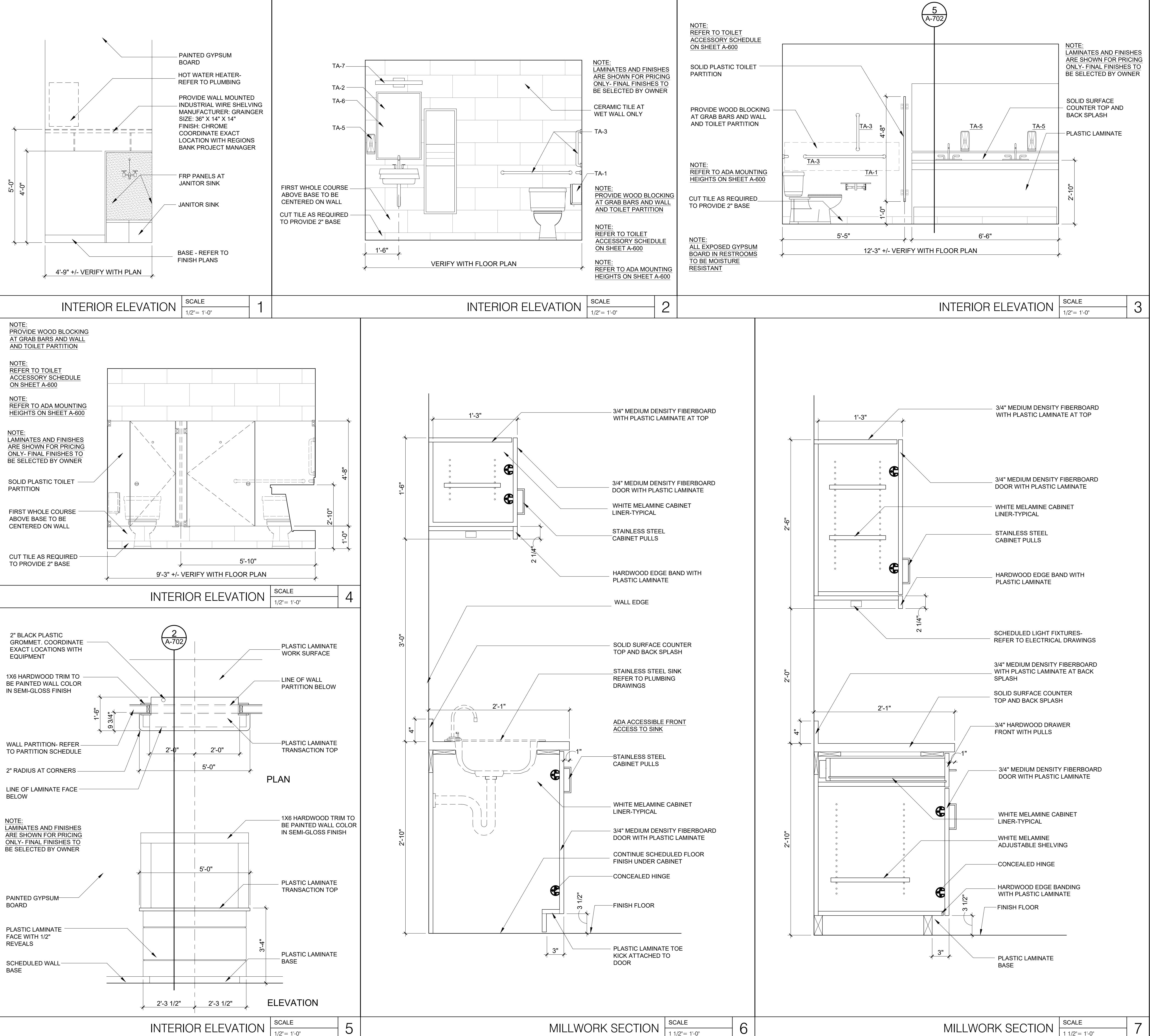
8



INTERIOR ELEVATION

SCALE
1/2" = 1'-0"

10



ph
design

PARK + HIGGINS DESIGN, LLC

4545 FORSYTH ROAD, MACON, GEORGIA 31210

brannen.park@parkhigginsdesign.com

478.972.9329

david.higgins@parkhigginsdesign.com

205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.

SEAL

GEORGIA
REGISTERED
No. 21,583
PROFESSIONAL
ARCHITECT
BRANNEN PARK

08-01-2025

RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.

717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE

INTERIOR ELEV. AND MILLWORK SECTIONS

JOB NUMBER

25-CC-01

DATE

08-01-2025

SHEET NUMBER

A-701

REVISION	DATE	DESCRIPTION

SHEET TITLE

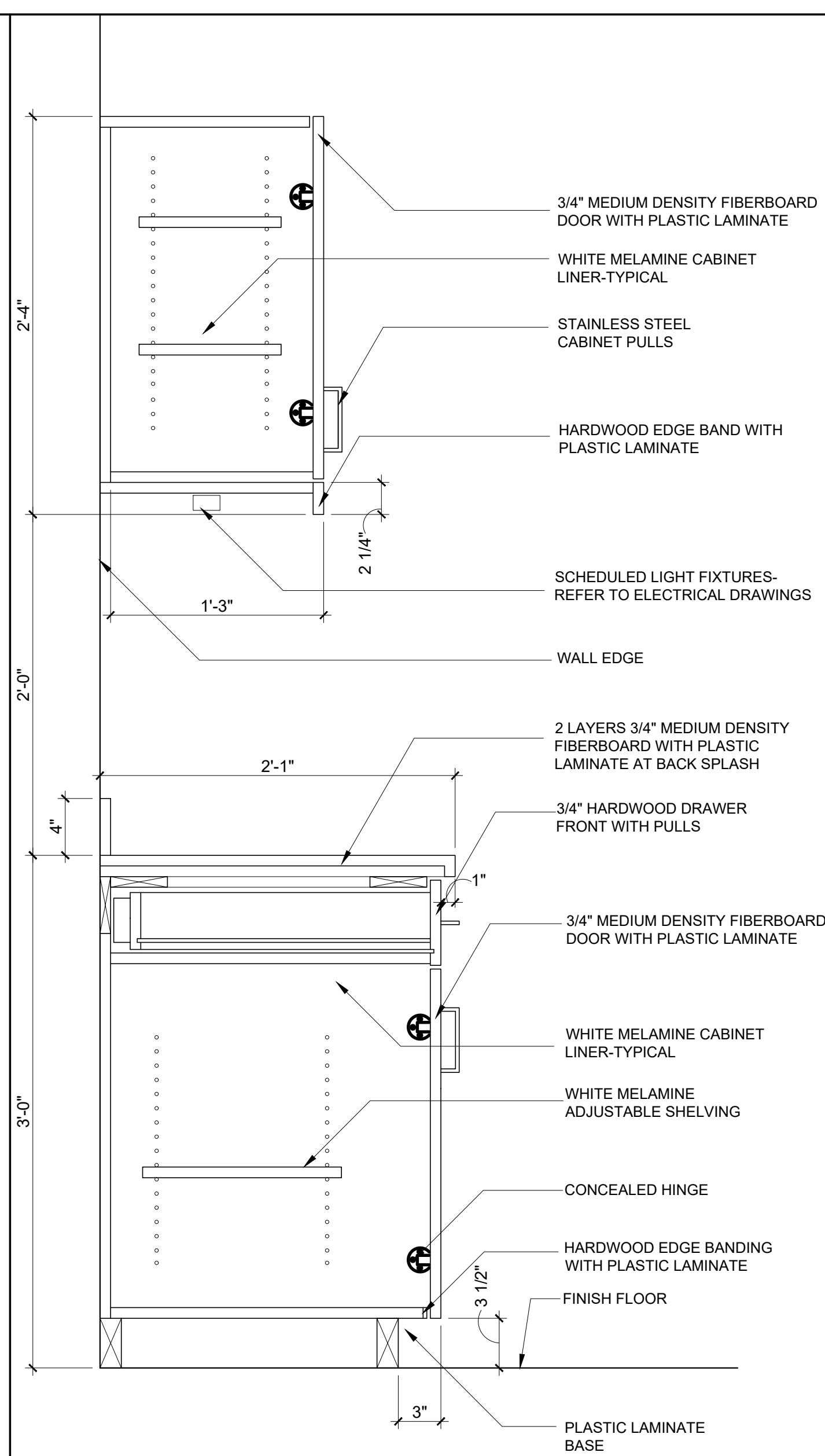
MILLWORK
SECTIONS

JOB NUMBER
25-CC-01

DATE
08-01-2025

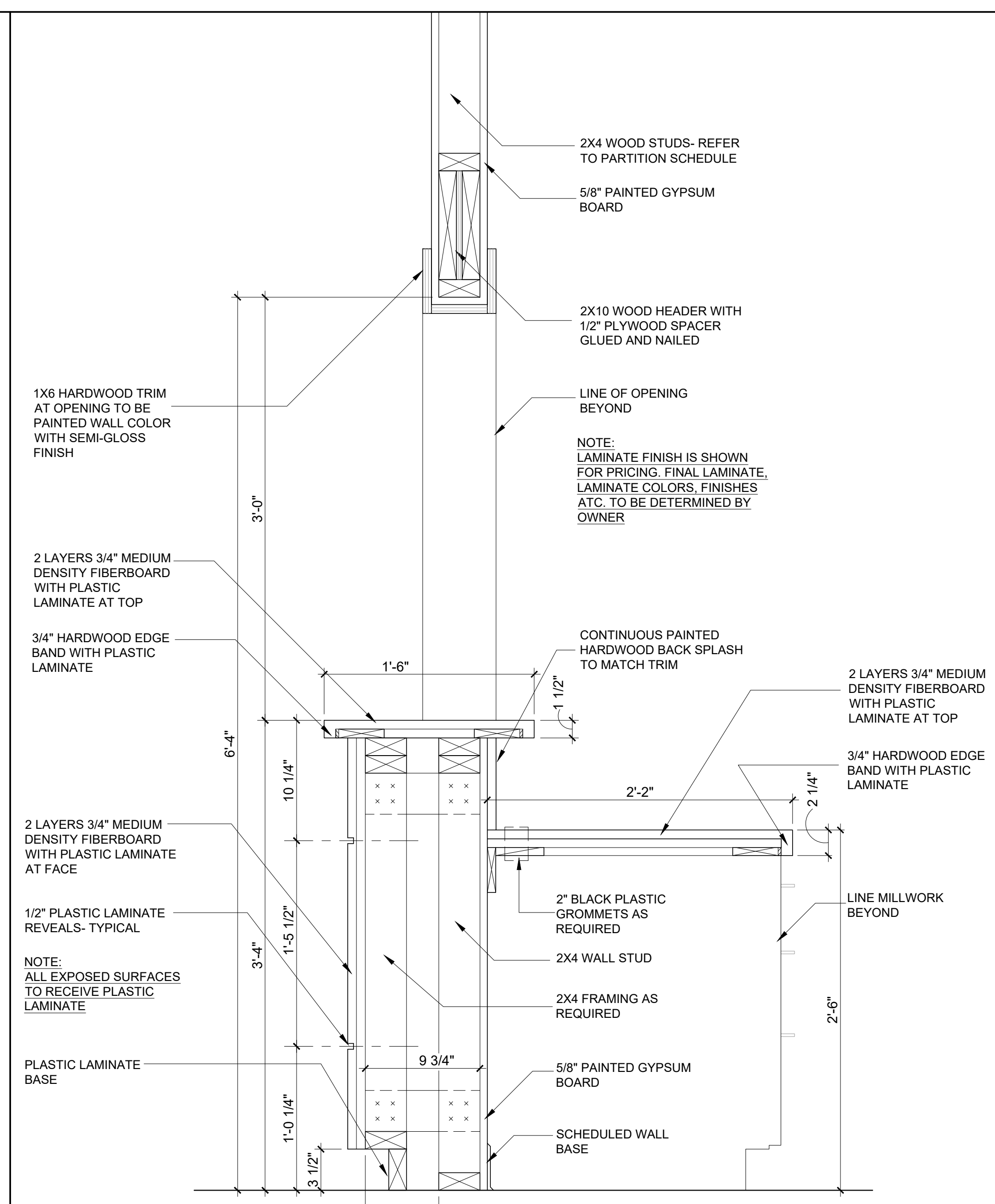
SHEET NUMBER

A-702



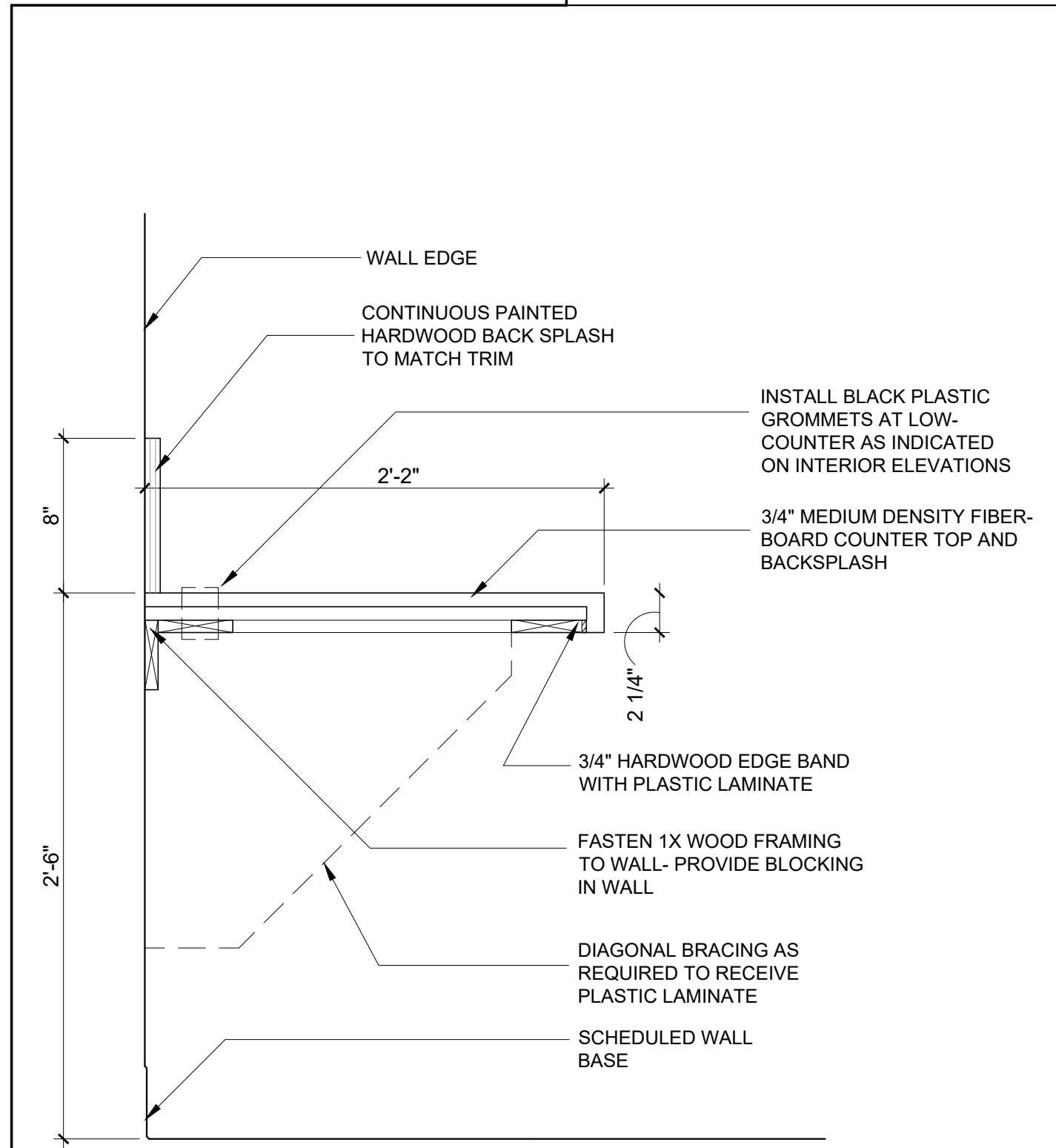
MILLWORK SECTION

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



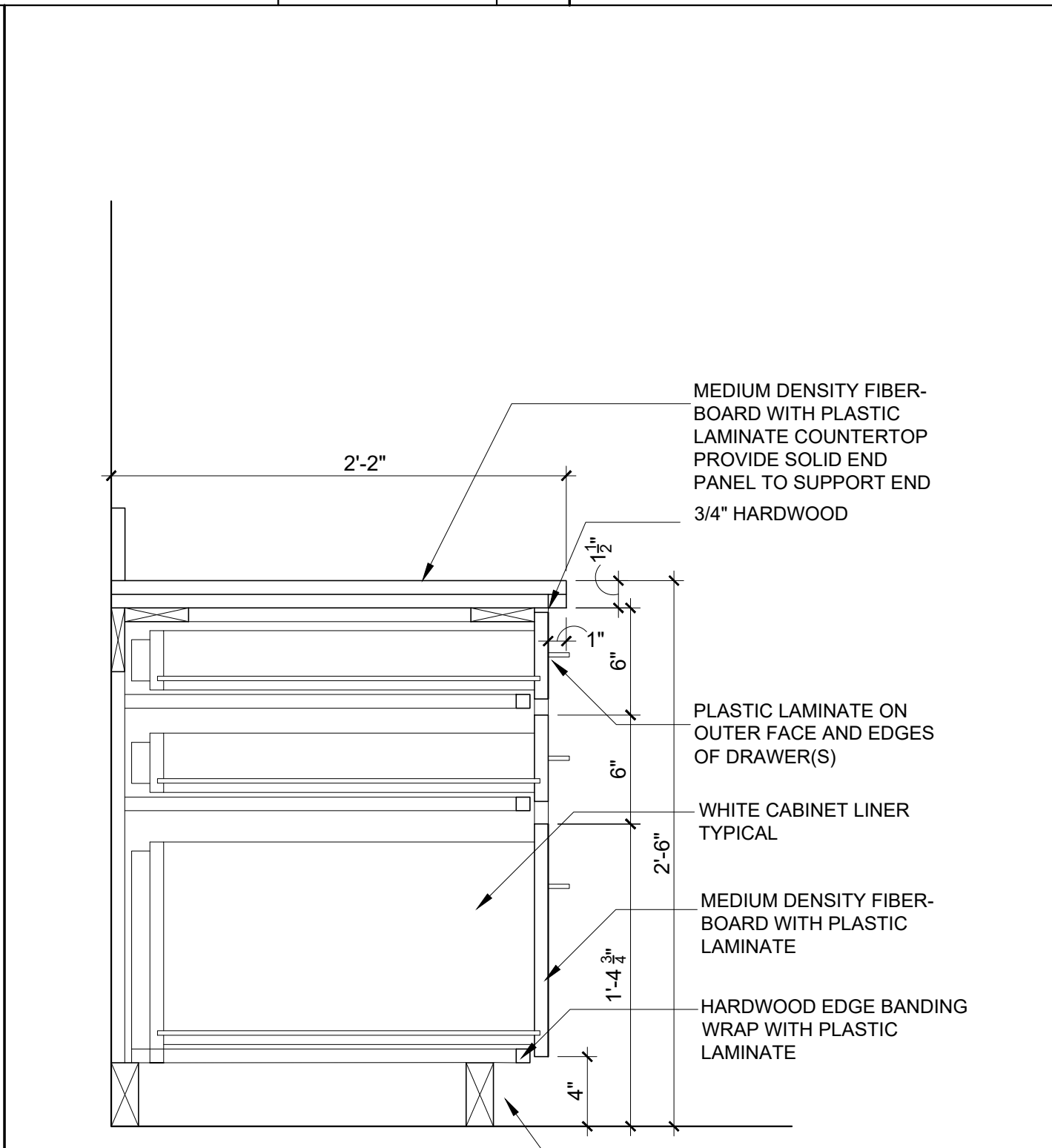
MILLWORK SECTION

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



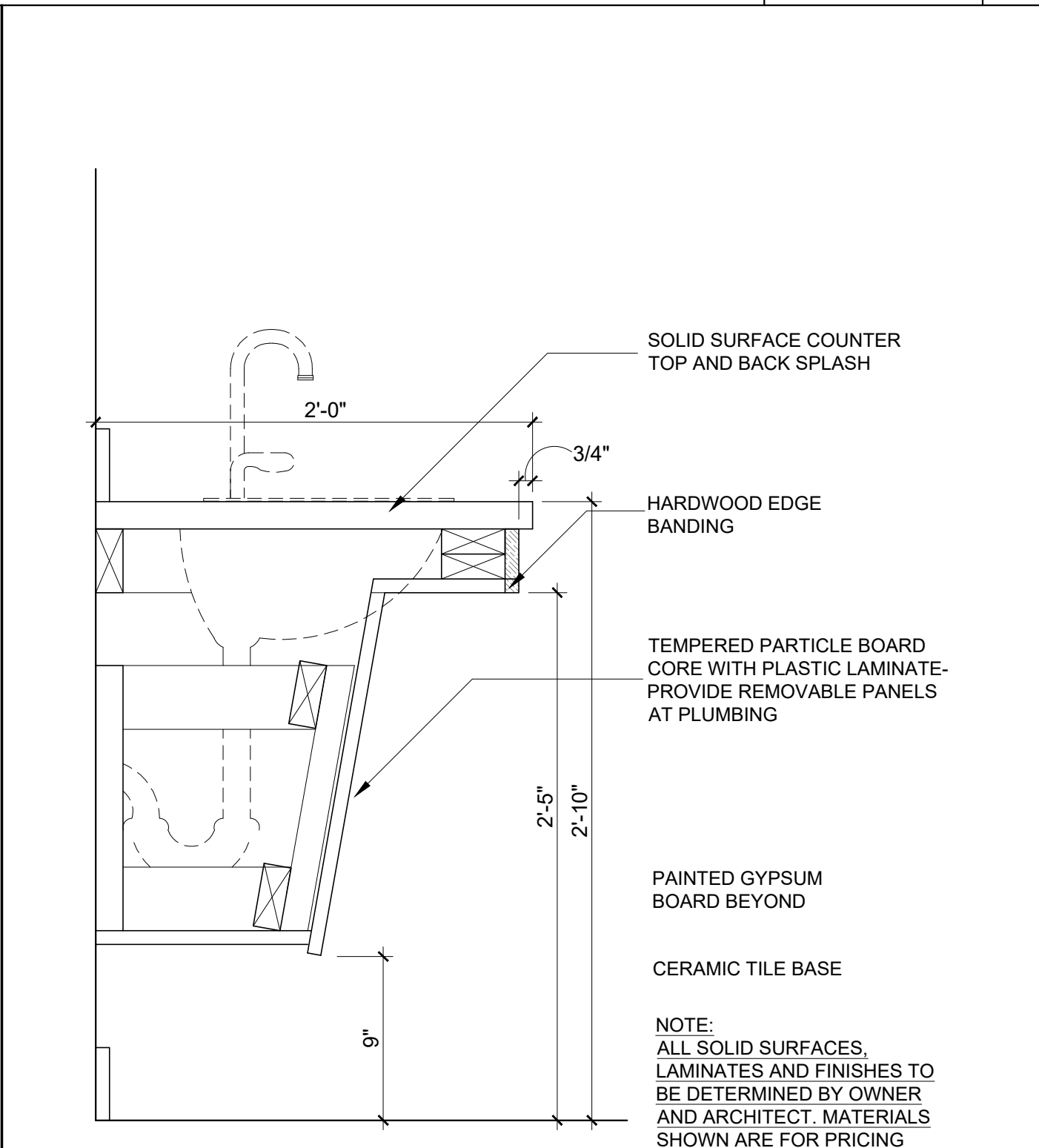
MILLWORK SECTION

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



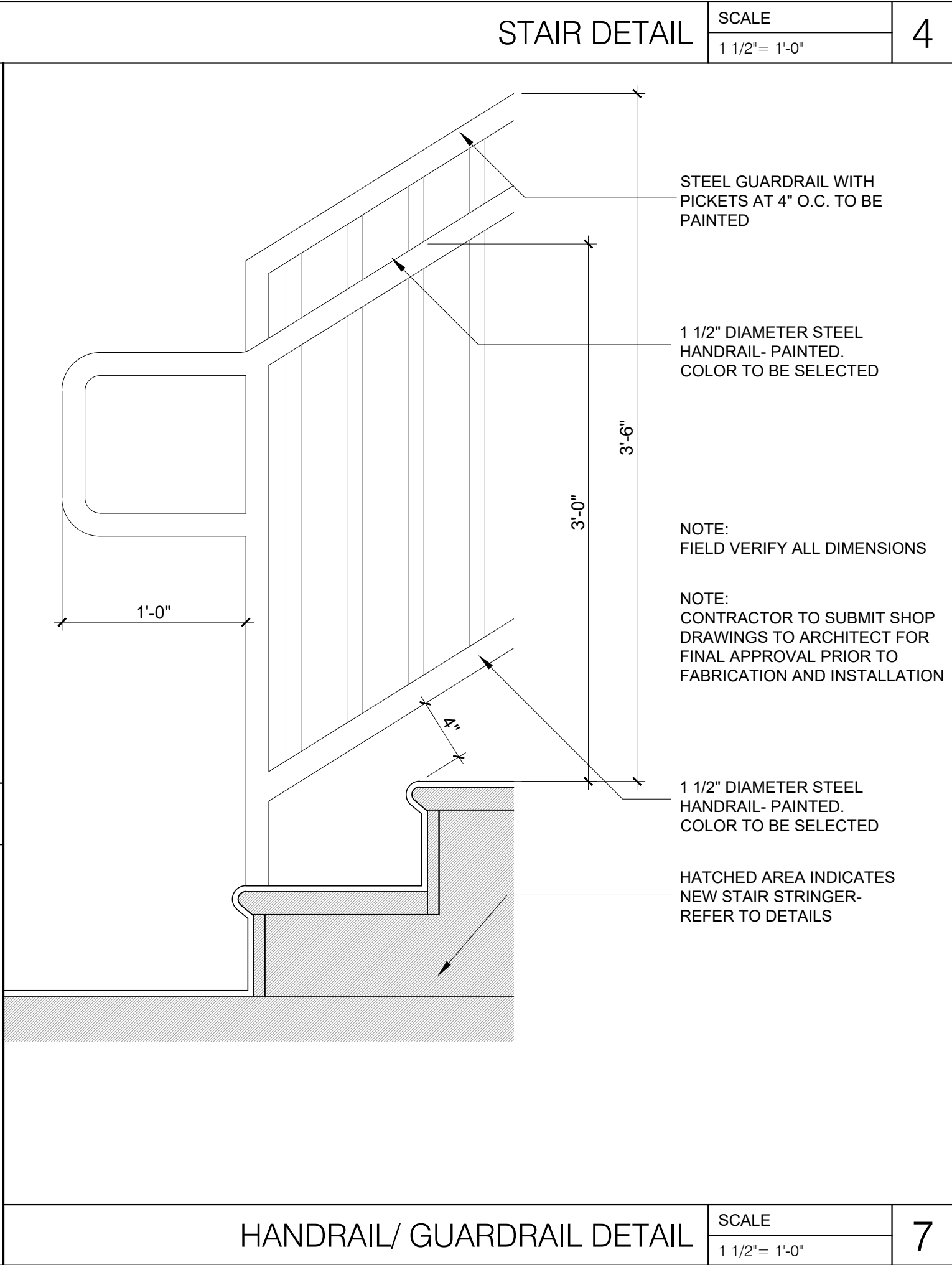
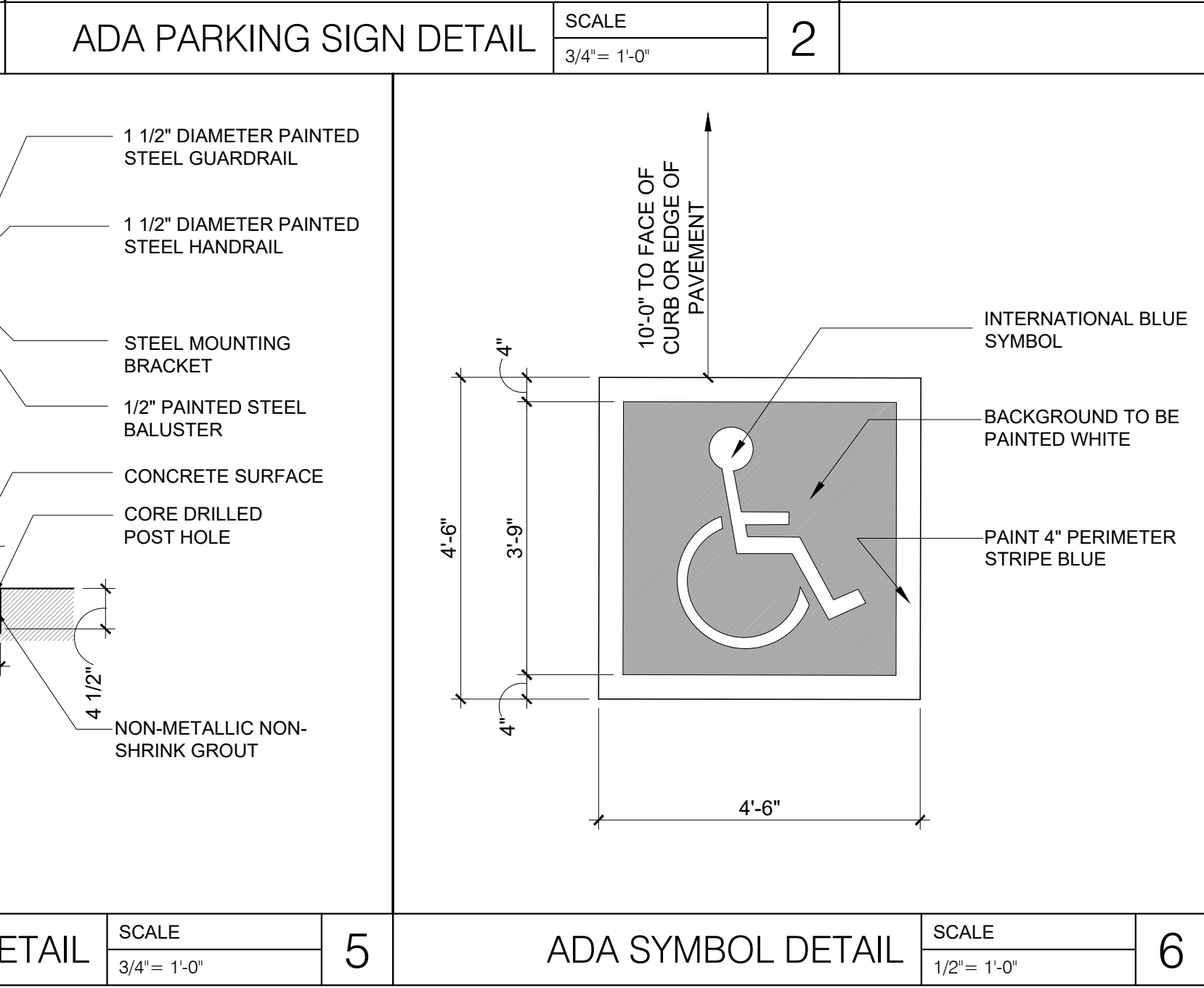
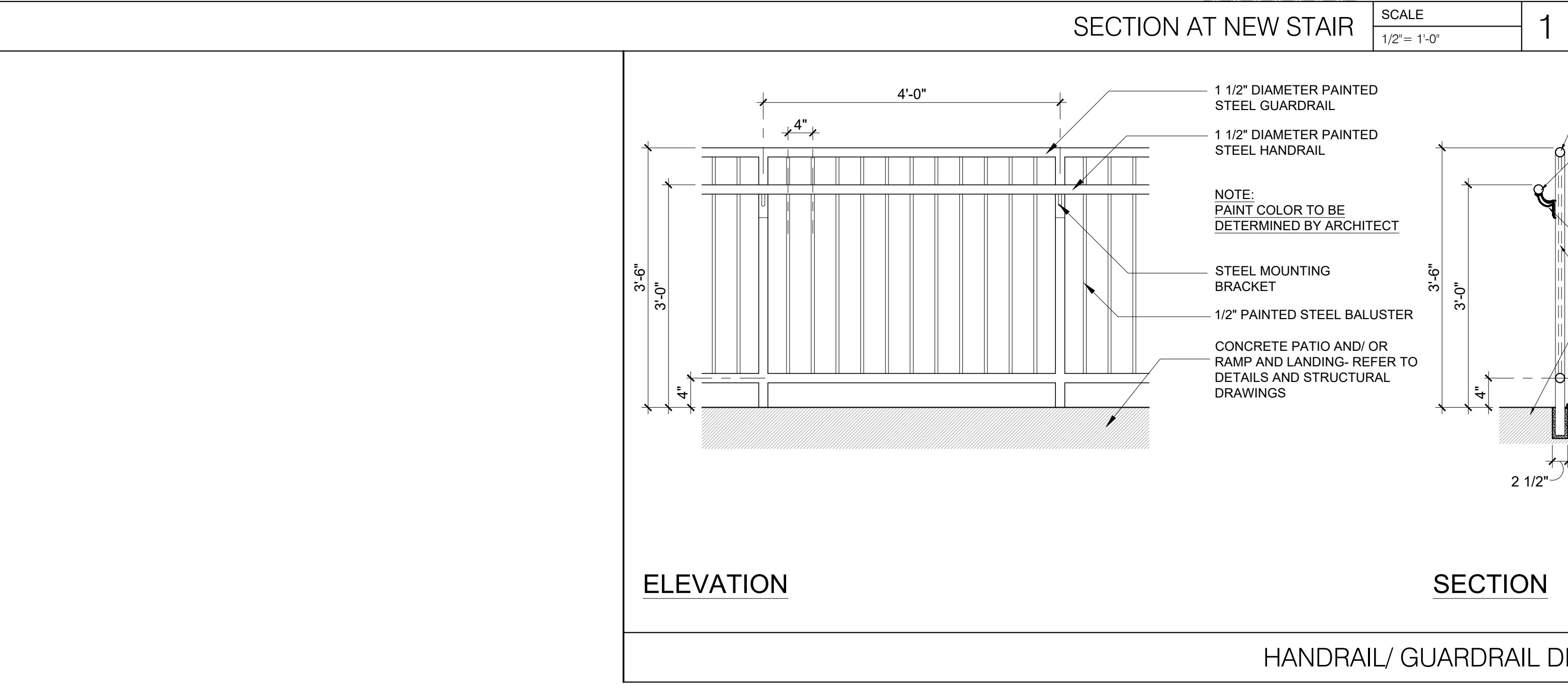
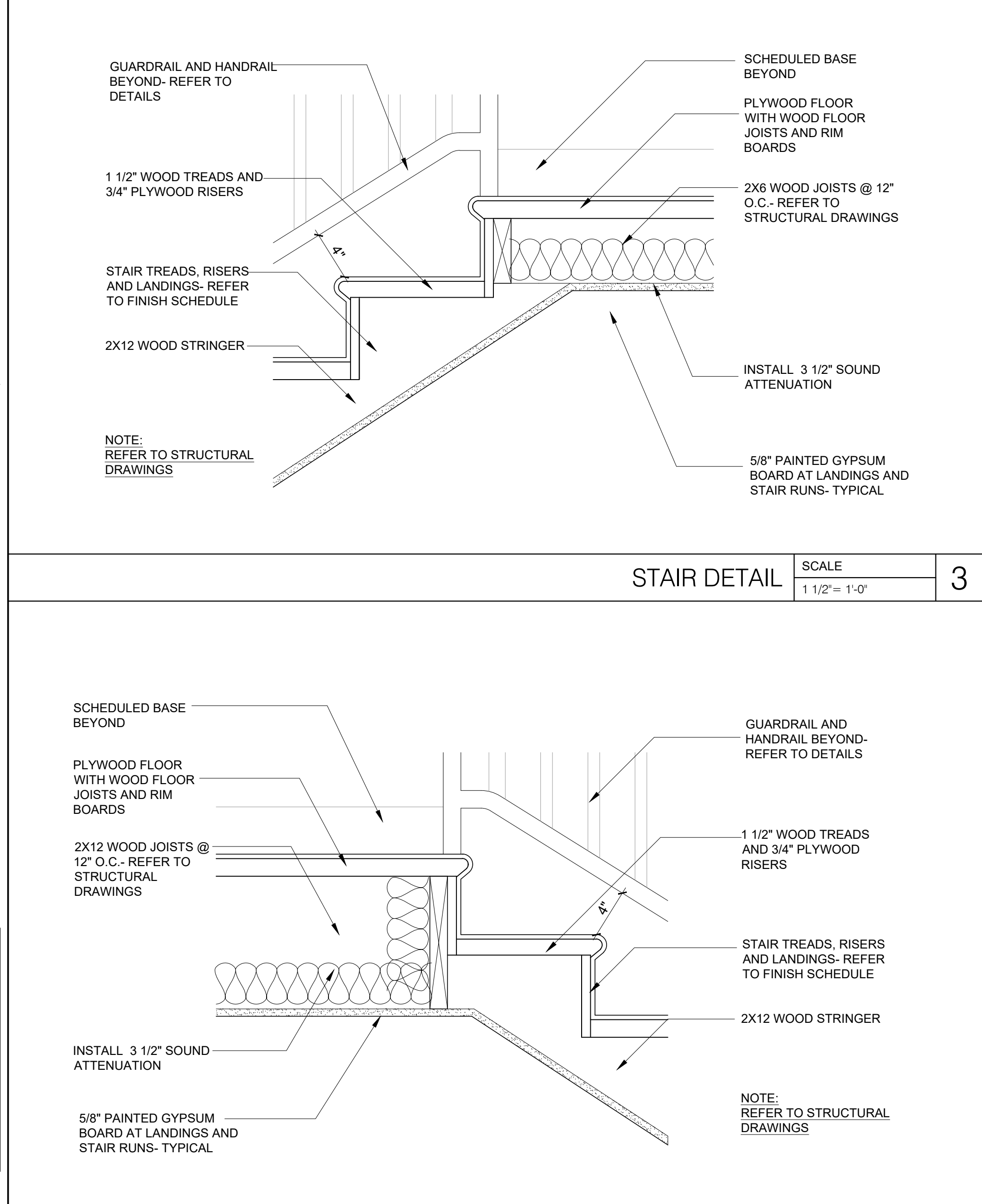
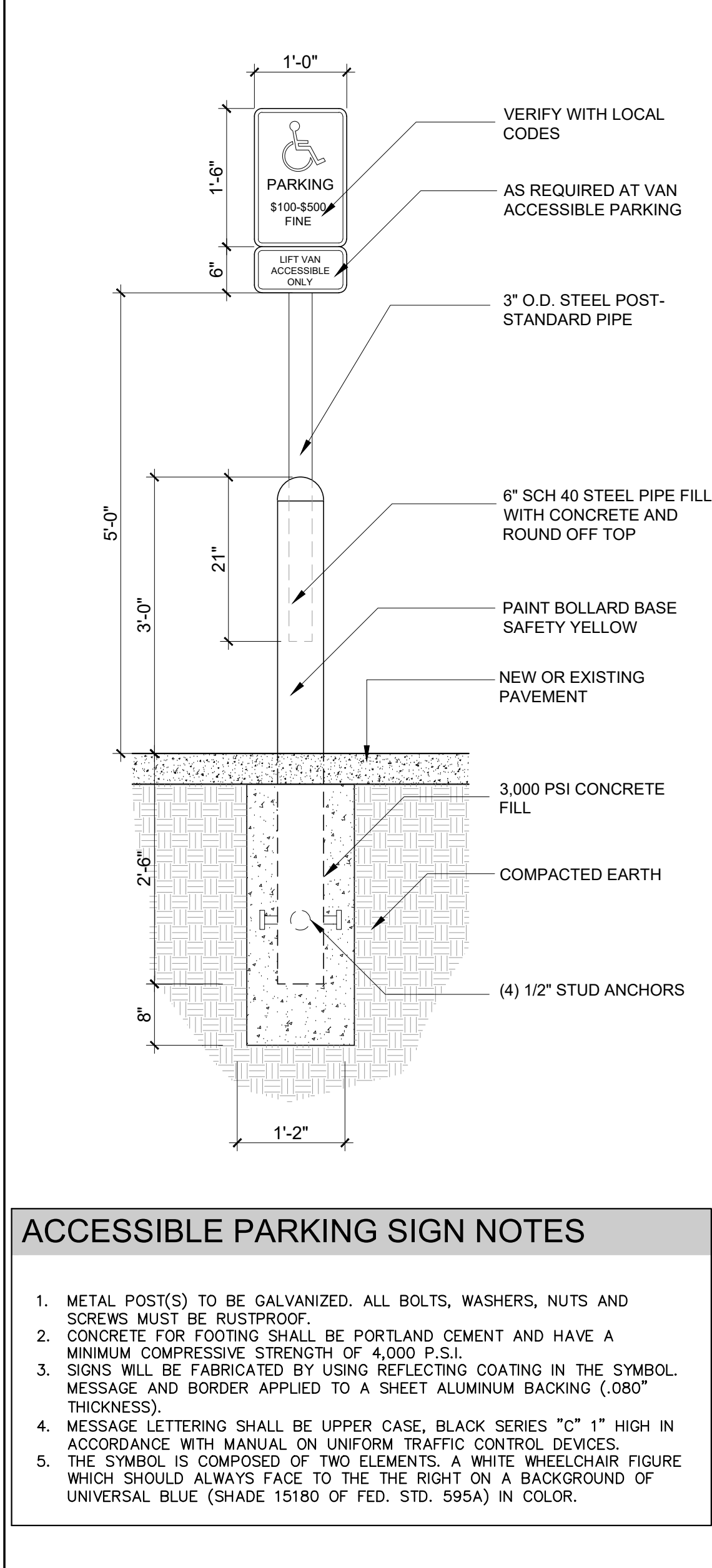
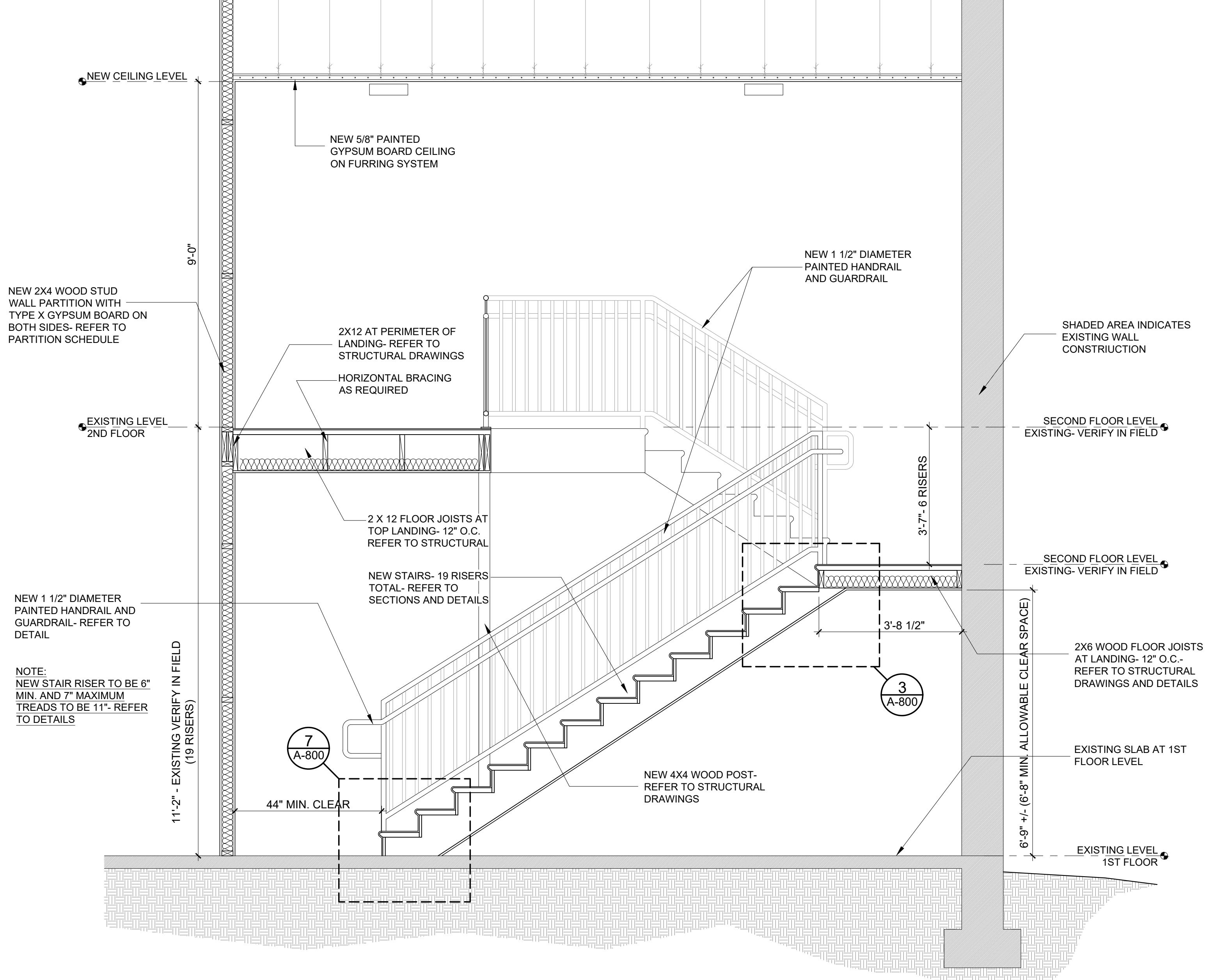
MILLWORK SECTION

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



MILLWORK SECTION

SCALE	5
1 1/2" = 1'-0"	



ph
design

PARK + HIGGINS DESIGN, LLC

4545 FORSYTH ROAD, MACON, GEORGIA 31210

brannen.park@parkhigginsdesign.com
478-972-9329
david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.

SEAL

GEORGIA
REGISTERED
PROFESSIONAL
ARCHITECT
BRANNEN PARK
No. 015635
08-01-2025

RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.

717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE

CONSTRUCTION DETAILS

JOB NUMBER

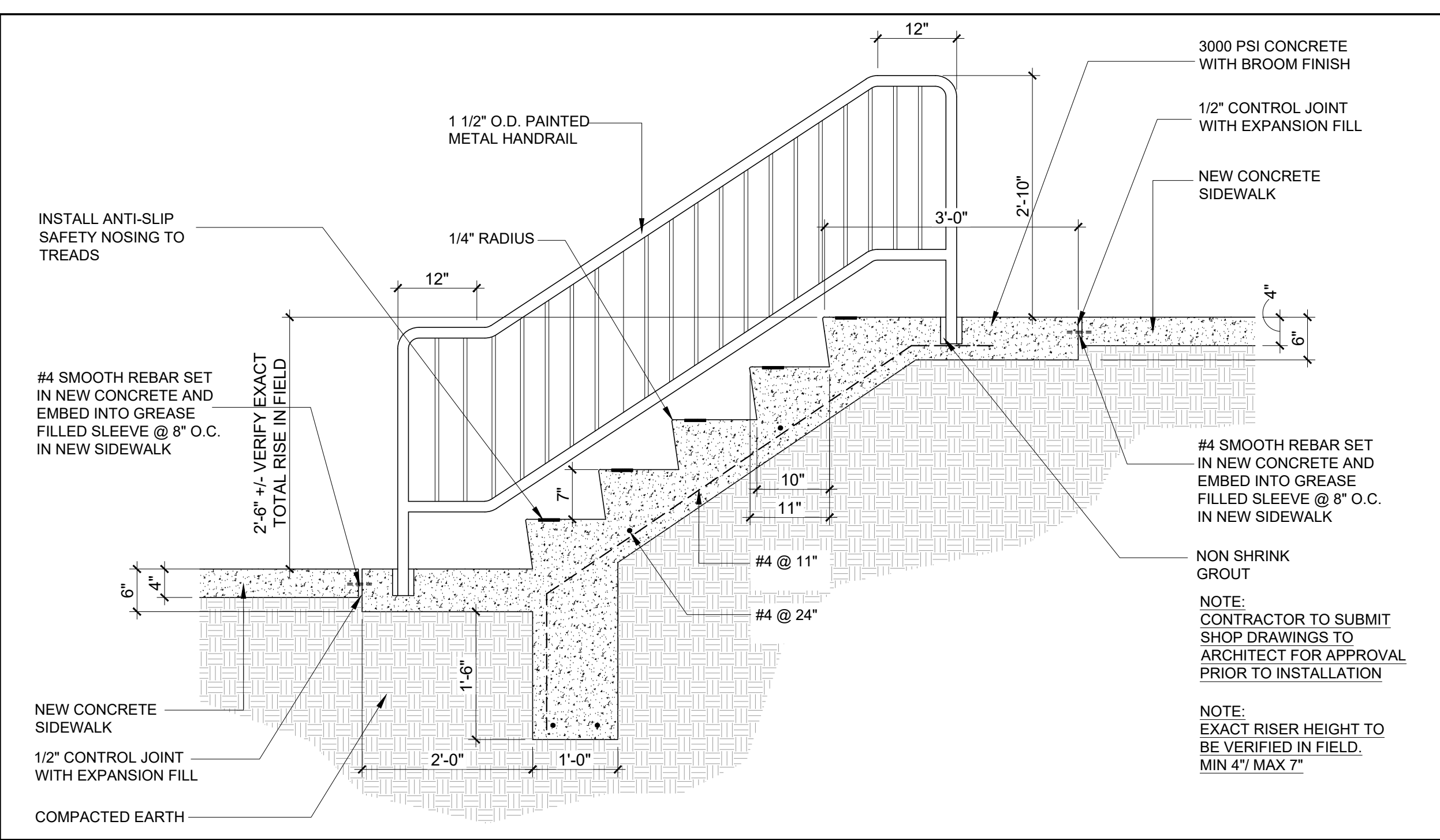
25-CC-01

DATE

08-01-2025

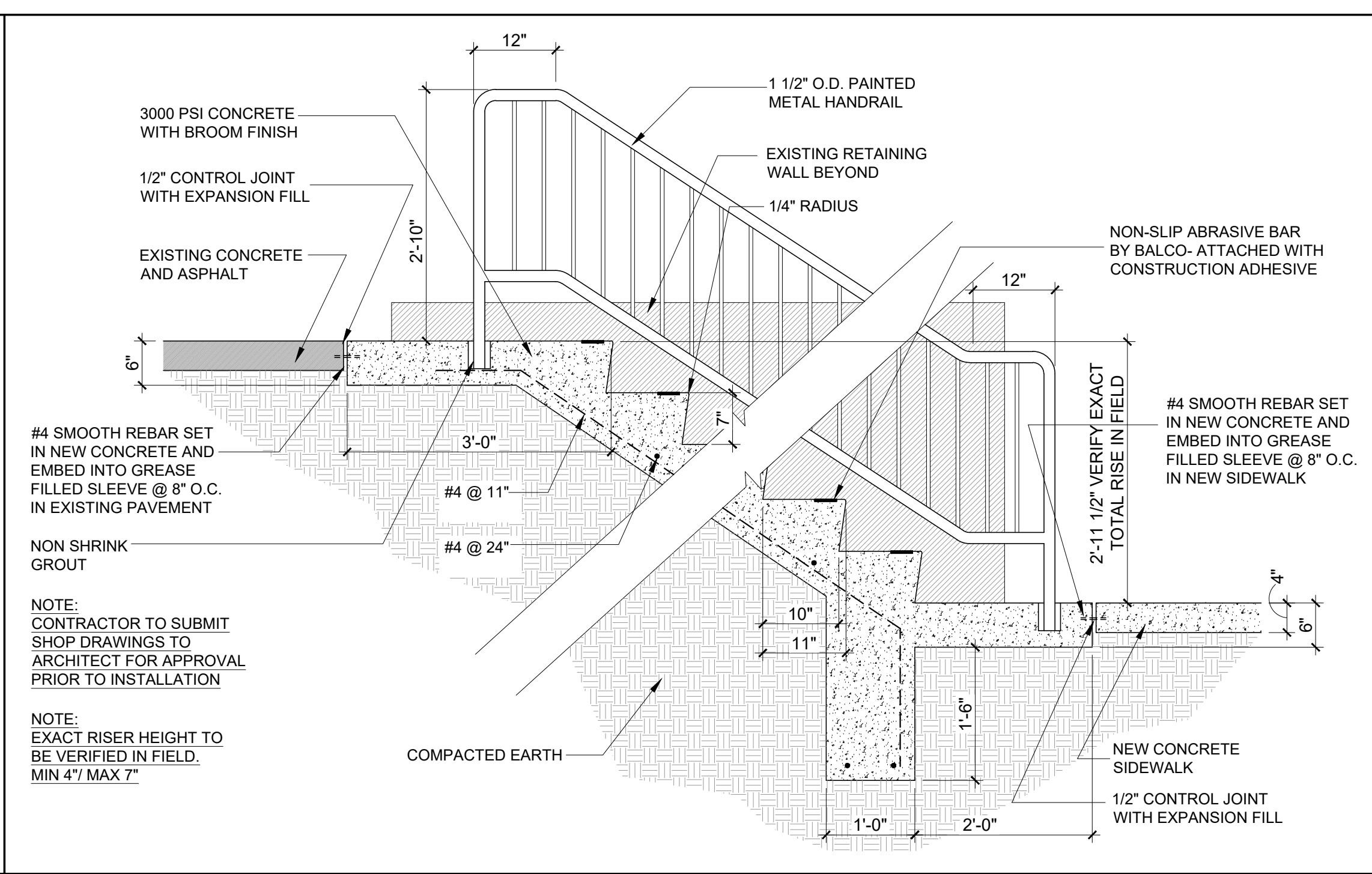
SHEET NUMBER

A-800



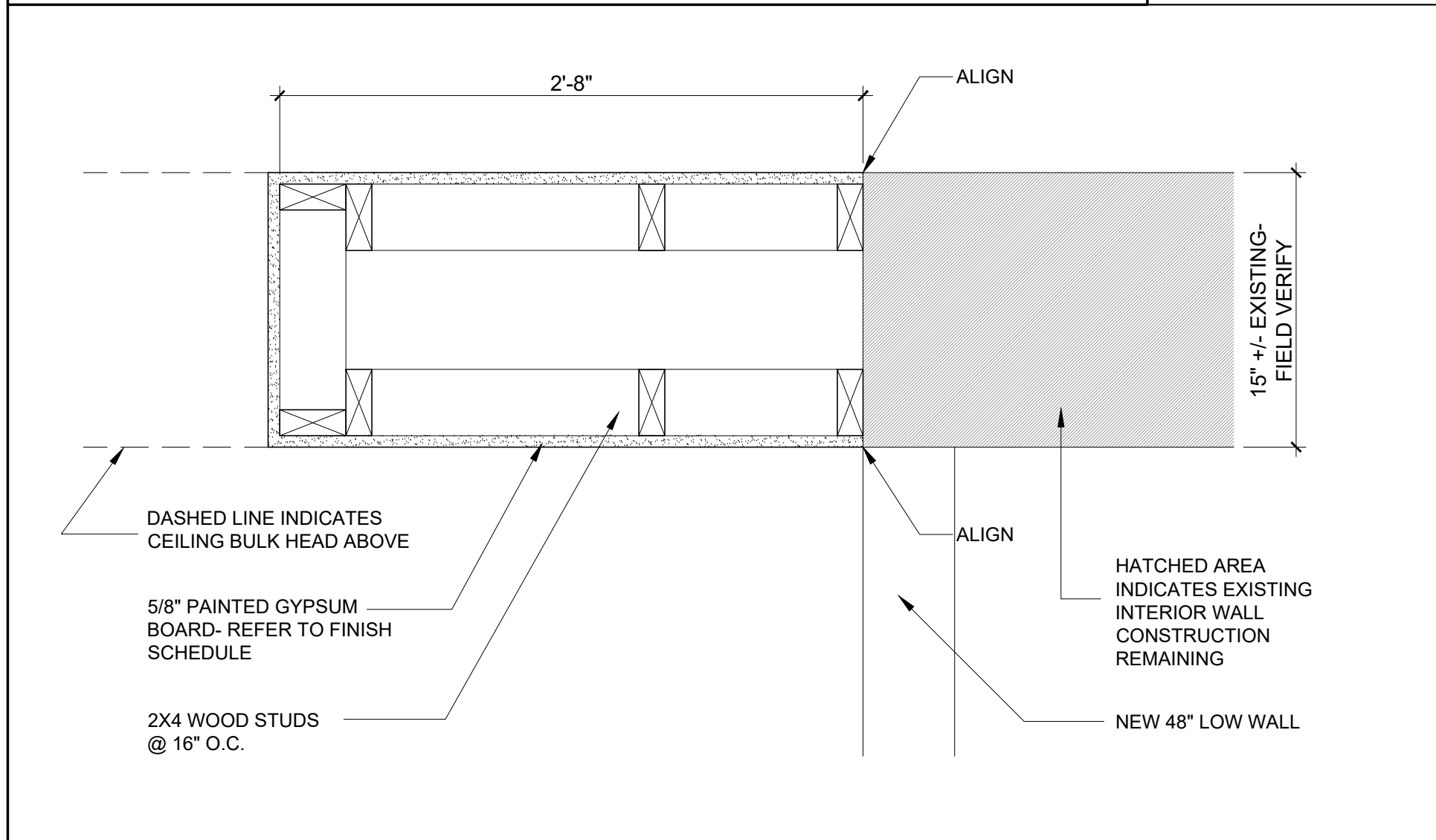
EXTERIOR CONCRETE STAIR DETAIL

SCALE	1
3/4" = 1'-0"	



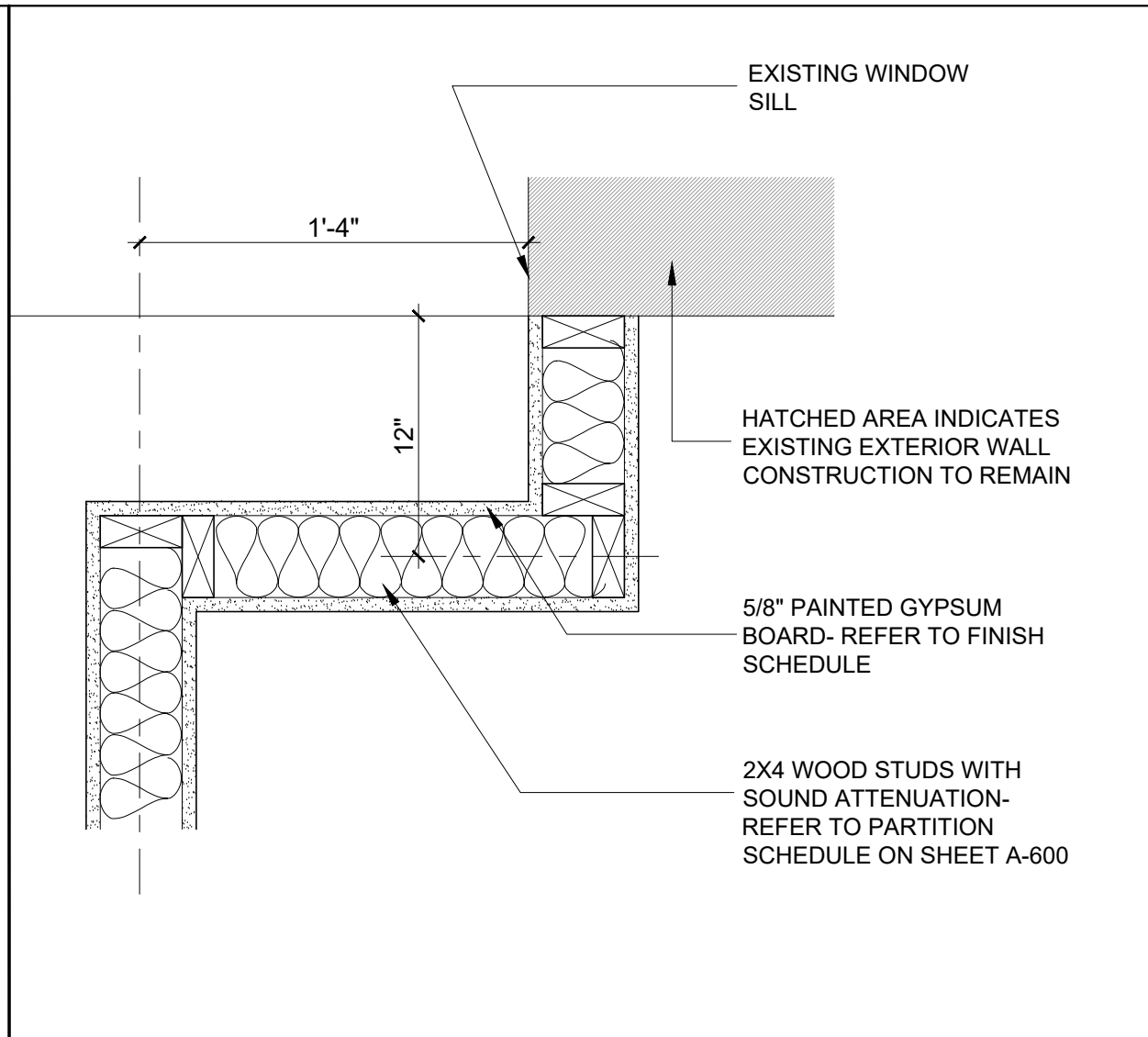
EXTERIOR CONCRETE STAIR DETAIL

SCALE	2
3/4" = 1'-0"	



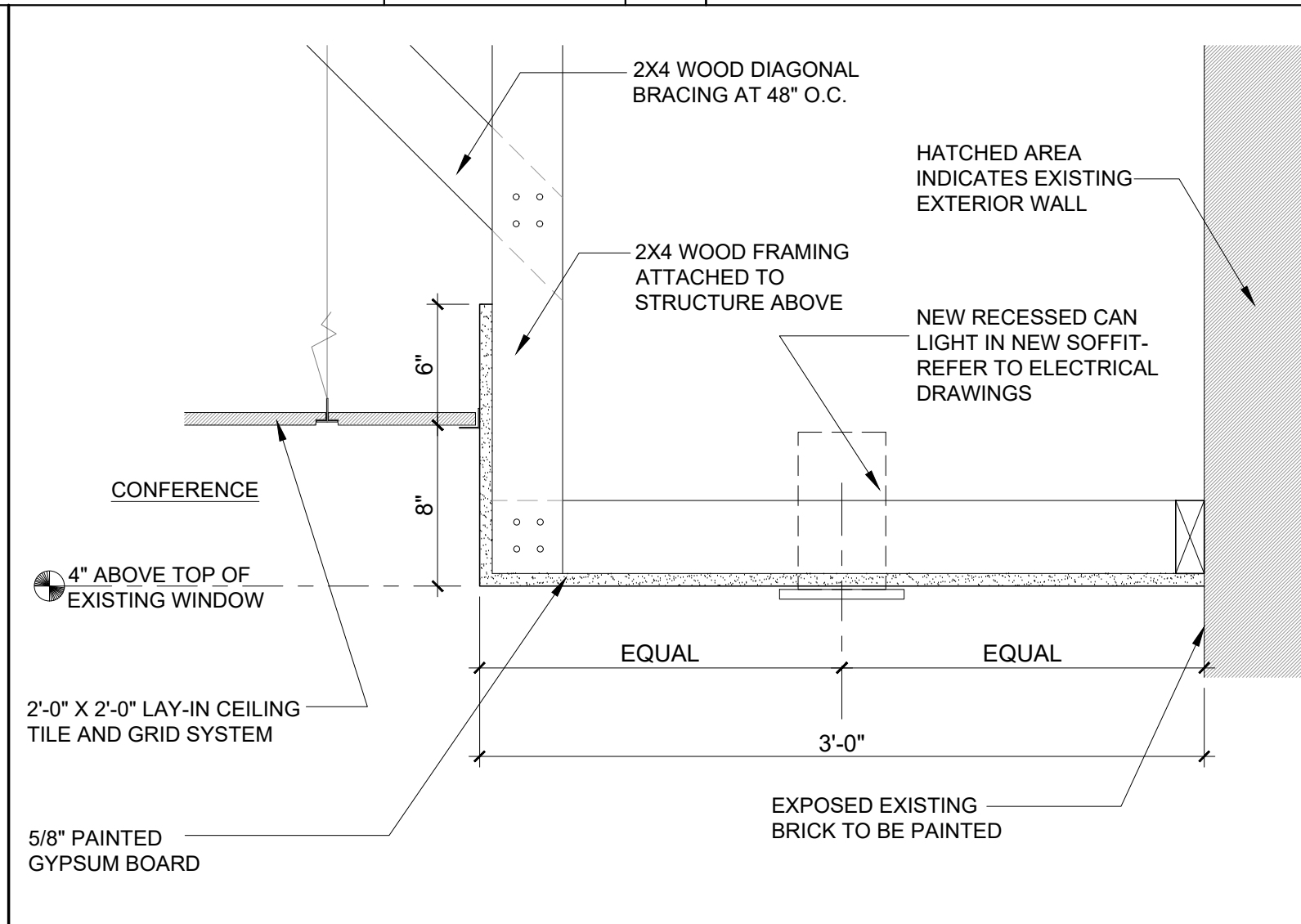
PLAN SECTION DETAIL

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



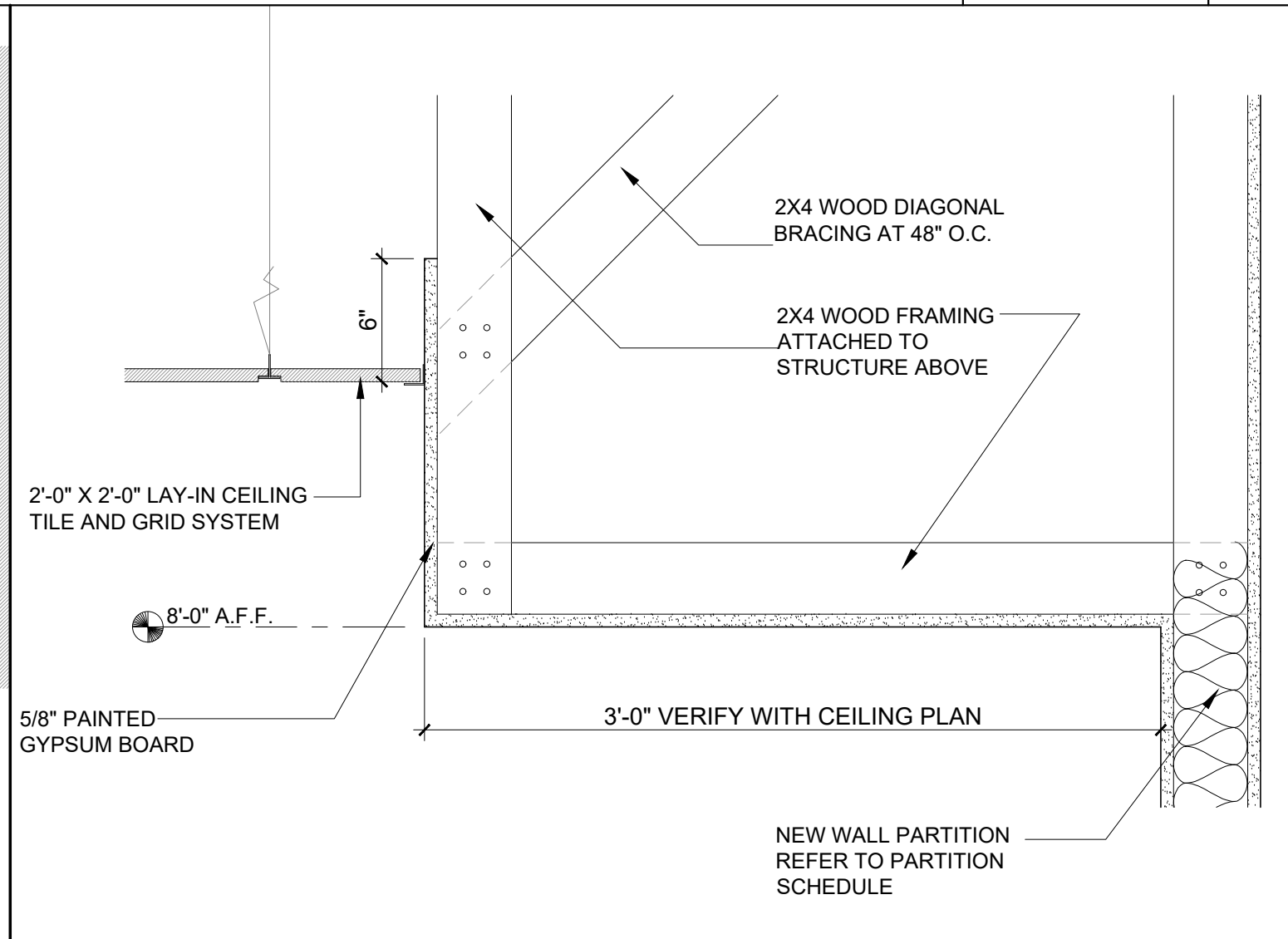
PLAN SECTION DETAIL

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



CEILING DETAIL

SCALE	5
1 1/2" = 1'-0"	



CEILING DETAIL

SCALE	6
1 1/2" = 1'-0"	

ph
design

PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478.972.9329
david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



08-01-2025

RENOVATIONS AND MODIFICATIONS FOR CROSSROADS CHRISTIAN COUNSELING CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

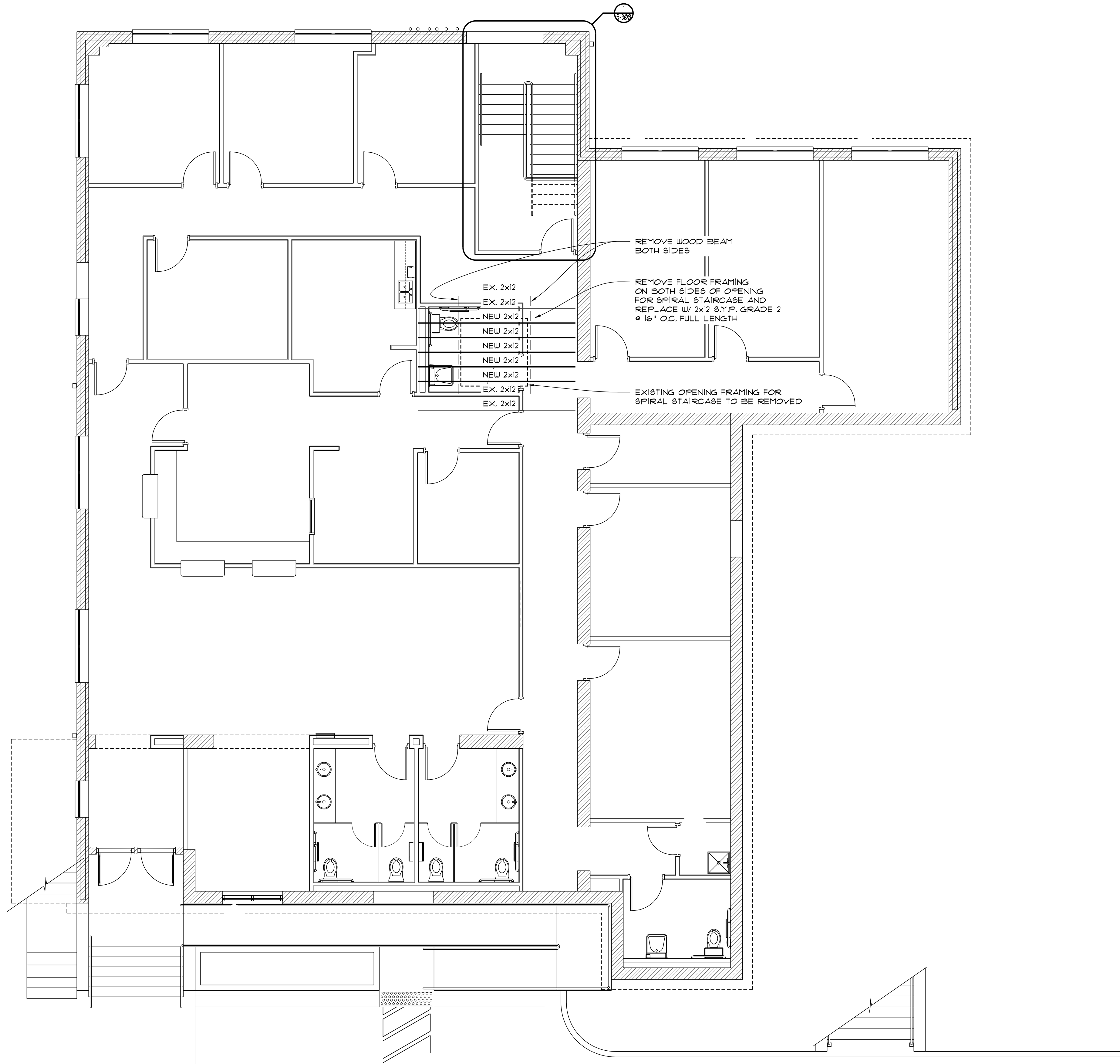
SHEET TITLE
SECTIONS AND CONSTRUCTION DETAILS

JOB NUMBER
25-CC-01

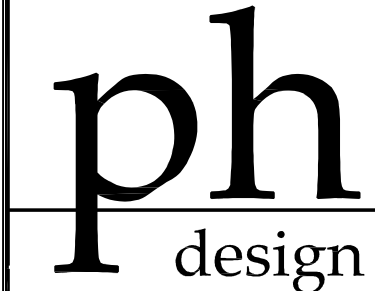
DATE
08-01-2025

SHEET NUMBER

A-801

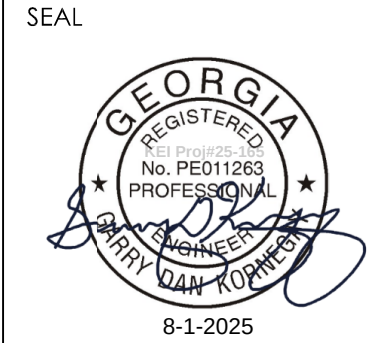


K&E
Kornegay Engineering Inc.
 Structural Consultant
 363 Pierce Avenue
 Suite 202
 Macon, GA 31204
 (478)745-6161 ph
 Project No: 25-165



PARK + HIGGINS DESIGN, LLC
 153 GATEWAY DRIVE, SUITE A, MACON, GEORGIA 31210
 brannen.park@parkhigginsdesign.com
 478.972.9329
 david.higgins@parkhigginsdesign.com
 205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



RENOVATIONS AND MODIFICATIONS FOR CROSSROADS CHRISTIAN COUNSELING CENTER, INC.
 717 NORTH AVENUE
 MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

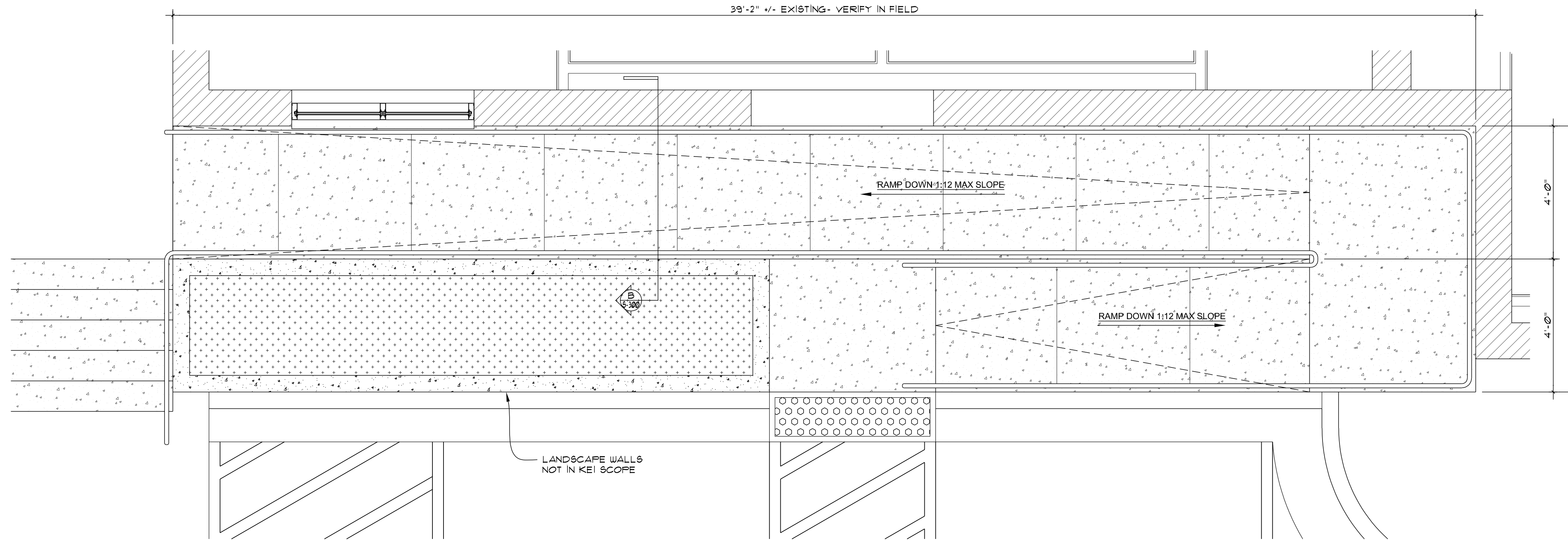
SHEET TITLE
 SECOND FLOOR FRAMING PLAN

JOB NUMBER
 25-CC-01

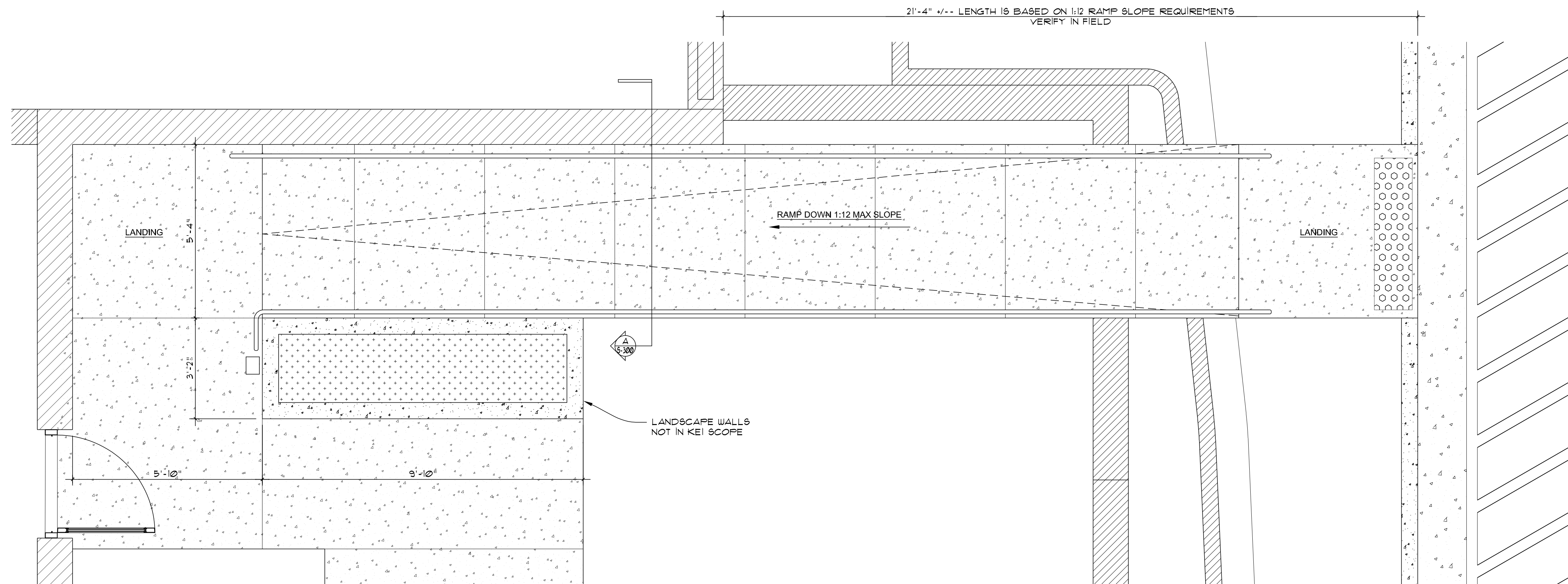
DATE
 08-01-2025

SHEET NUMBER

S-100

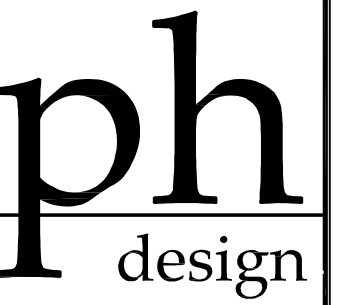


UPPER EXTERIOR ADA RAMP FOUNDATION PLAN
SCALE: 1/2"=1'-0"



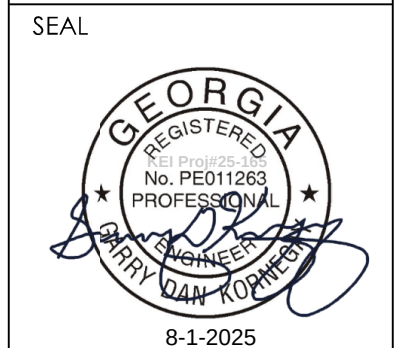
LOWER EXTERIOR ADA RAMP FOUNDATION PLAN
SCALE: 1/2"=1'-0"

KEI
Kornegay
Engineering
Inc.
Structural Consultant
363 Pierce Avenue
Suite 202
Macon, GA 31204
(478)745-6161 ph
Project No: 25-165



PARK + HIGGINS DESIGN, LLC
153 GATEWAY DRIVE, SUITE A, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478.972.9329
david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



**RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.**
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE
EXTERIOR ADA RAMP
FOUNDATION PLANS

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER

S-200

REVISION	DATE	DESCRIPTION

SHEET TITLE
STAIR FRAMING PLAN
AND ADA RAMP
SECTIONS

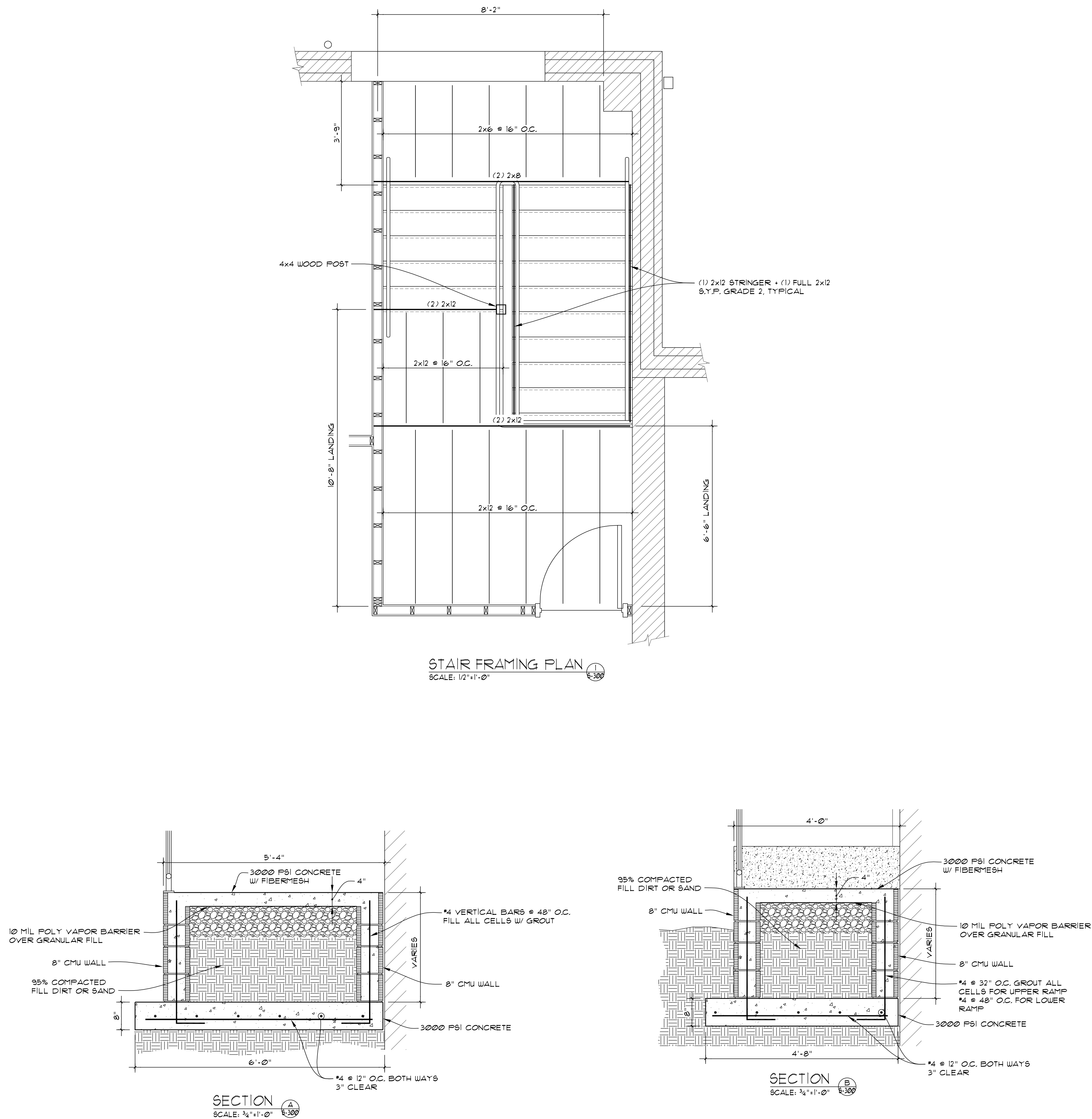
JOB NUMBER
25-CC-01

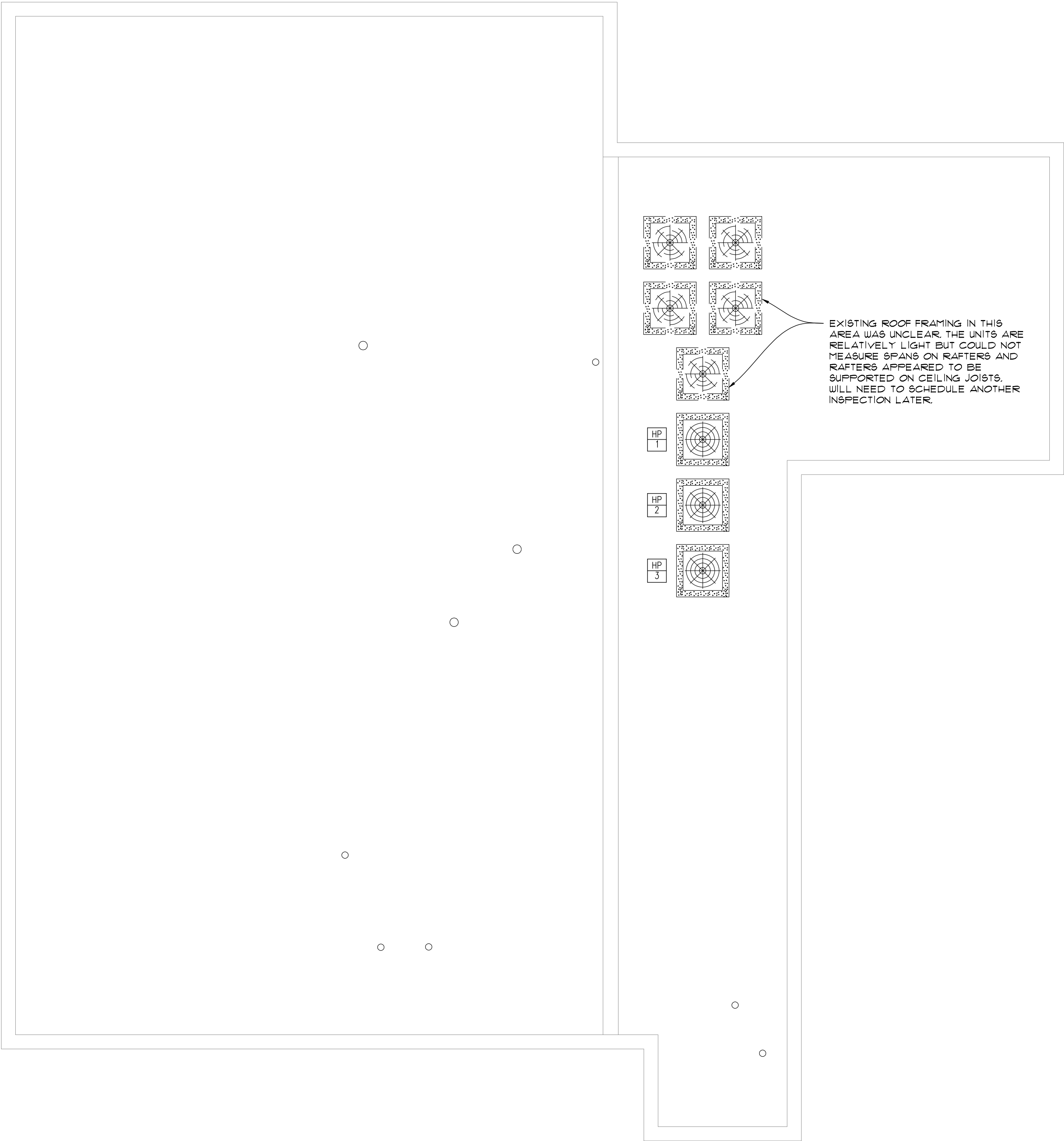
DATE
08-01-2025

SHEET NUMBER

S-300

K&A
Kornegay
Engineering
Inc.
Structural Consultant
363 Pierce Avenue
Suite 202
Macon, GA 31204
(478)745-6161 ph
Project No: 25-165

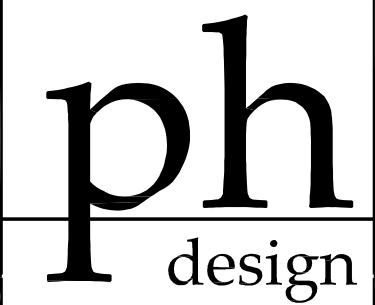




ROOF MECHANICAL PLAN
SCALE: 3/16"=1'-0"

TOTAL ENGINEERS
169 New Street, Macon, GA 31201
(478)741-4632 - T.E. project # 25-045
www.totalengineers.com
GA COA NO # PEF009195 EXP: 06/30/2026

KEE
Kornegay Engineering Inc.
Structural Consultant
363 Pierce Avenue
Suite 202
Macon, GA 31204
(478)745-6161 ph
Project No: 25-165



PARK + HIGGINS DESIGN, LLC
153 GATEWAY DRIVE, SUITE A, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478.972.9329
david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



RENOVATIONS AND MODIFICATIONS FOR CROSSROADS CHRISTIAN COUNSELING CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE
ROOF MECHANICAL PLAN

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER

S-400

MECHANICAL SPECIFICATIONS

- 1) Provide all heating, ventilation and air conditioning items indicated on the drawings, described in this specification or required for a complete and proper installation.
- 2)Comply with all pertinent codes, ordinances and regulations. Refer to website for Dept. of Community Affairs for current Codes Editions.
- 3)The contractor shall not attempt to precisely scale dimensions from these drawings to obtain construction dimensions and clearances. The contractor shall verify all actual dimensions and clearances. Although these plans are diagrammatic in nature, they shall be followed as closely as site conditions, new construction, and work by other trades shall permit. Deviations from these drawings, which are required to conform to the available space or the actual building construction, shall be made at no additional cost to the owner.
- 4)Furnish without extra charge, any additional material and labor required to comply with the above codes and standards, even though the work may not be described in the contract documents. Where the requirements of the contract documents exceed the requirements of the above codes and standards, the contract documents shall take precedence.
- 5)All equipment and material shall be new and of first quality. Equipment and material shall be the same or equal to the basis of design listed on these drawings and shall be UL listed.
- 6)Cooperate and coordinate with other trades in order that all systems in the work may be installed in the best arrangement.

- 7)Examine the areas and conditions under which work of this section will be installed. Correct conditions detrimental to the proper and timely completion of the work. Notify Architect of any discrepancies. Do not proceed until unsatisfactory conditions have been corrected.
- 8)Avoid interference with structure, and with work of other trades. Install all equipment per manufacturer's instructions. Install accessible parts, including equipment, coils, valves, dampers, controls, and filters with adequate clearance for inspection, adjustments, repair and replacement.
- 9)All other materials not specifically described but required for a complete and proper installation shall be as selected by the contractor subject to acceptance by the Engineer.

- 10) All ductwork shall be fabricated from galvanized sheet metal duct and conform to SMACNA "HVAC Duct Construction Standards--Metal and Flexible. Seal all joints in ductwork with mastic sealant.

- 11) Flexible duct: Flexmaster; Alcoa UPC#36(R-6.0); Alcoa UPC#431 (R-8) or Thermaflex, Type 3, insulated. 5'-0" Maximum length unless noted otherwise. Class 1 rating with R-value of 6.0 when located inside building envelope and R-8 when located outside building envelope. Insulate entire duct envelope, install with no more than 135 degrees maximum of total bends per run. Maximum individual bend shall not exceed 45 degrees each. Support at five feet on centers with hangers having at least 2-inches of width at duct contact points. Flexible connectors shall not pass through any wall floor or ceiling weather rated or not. Provide 36-inches of metal duct at penetration of draft stops, fire walls and smoke walls.
- 12) Duct Liner: Owens Corning Aeroflex Plus, or equivalent. Incombustible glass fiber complying with ASTM C 1071; flexible blanket; impregnated surface and edges coated with acrylic polymer shown to be fungus and bacteria resistant by testing to ASTM G 21. Apparent Thermal Conductivity: Maximum of 0.31 at 75 degrees F. Service Temperature: 250 degrees F. Density: 1.5 pounds/cubic foot. Install using adhesive (50% coverage) and galvanized steel fasteners with welded press-on head Thickness: 1-inch.

- 13) Condensate drain piping shall be ASTM D2665 PVC with solvent welded fittings. Drain piping shall be no smaller than the drain connection size on equipment. Slope at 1/8 inch per foot continuously toward drains. All indoor condensate drain piping shall be insulated with preformed flexible plastic cellular foam. All outdoor condensate drain piping shall be primed and painted with a coating system recommended by the piping manufacturer for protection against deterioration from weather and UV-light exposure. All piping shall be adequately supported to maintain proper slope and avoid sagging.

- 14) Refrigerant piping shall conform to manufacturer's recommendations and installation instructions. Refrigerant piping shall be ASTM B280 Type ACR or ASTM B88 Type L drawn copper tubing with wrought copper fittings. Insulate suction line with 1/2" thick flexible foamed plastic cellular foam (Armaflex or equivalent). All piping shall be adequately supported. Insulation installed outdoors shall be painted with two coats of Armaoel WB coating or equivalent. Refrigerant pipes shall be installed in accordance with ASHRAE standard 15-2022 section 9.12 and shall be tested in accordance with ASHRAE standard 15-2022 section 9.13. Contractor shall issue a letter to design team stating that refrigerant pipes have been installed and tested under the referenced sections. Contractor shall refer to ASHRAE standard 15-2022 sections 9.10 and 9.11 for additional information regarding refrigerant piping. Penetration of refrigerant pipes shall be protected with a through penetration protection means. The through penetration protection shall be the same or higher rating than the assembly.

- 15) Thermostats: Provide 24 volt, programmable 24 hour, 7 day thermostat to control heating stages in sequence with delay between stages and supply fan to maintain temperature setting. For Heat Pumps include system selection switch heat-off-cool and fan control switch (auto-on), emergency heat switch (auxiliary/emergency heat indicator lights).

- 16) Provide fire and smoke rated flexible connections between fans and ducts. Material shall comply with NFPA 90A requirements for material in supply air stream.

- 17) Install all equipment in accordance with manufacturer's instructions and recommendations including clearances recommended for proper operation or service. All filters and serviceable parts shall be readily accessible.

- 18) Indoor duct insulation: Foil-faced fiberglass, Owens Corning type 75 or equal, 2.2" thick(R-6), unless the insulated duct is outside building insulation envelope (attic, crawlspace or unconditioned space) in which case the duct insulation thickness shall be 3" thick(R-8). Duct shall have a flame spread rating of not more than 25 and smoke developed rating of not more than 50. Glass-Fiber insulation: All service duct wrap with foil scrim and having backing and a k-value of 0.30 at 75° F mean temperature and an average maximum density of 0.75 lb/cu. ft.

- 19) All supply, return and outside air ducts shall be insulated. All bathroom exhaust ducts, kitchen exhaust ducts, and dryer exhaust ducts shall be insulated. Exhaust ducts shall be installed with a 1/8" slope to outside. Install acoustical duct liner on the interior surface of the first five (5) linear feet of supply duct downstream and the last five (5) linear feet of return duct upstream of all air handlers and rooftop units. Insulate the concealed tops of all ceiling mounted supply air diffusers with foil-faced fiberglass, 1.5#/cubic foot density, 2" thick. Seal edges to ceiling grid with foil faced tape to provide vapor tight seal.

- 20) All low pressure duct branches shall contain manual balancing dampers. Manual balancing dampers shall also be installed in the continuation of the main, if the main duct is smaller or the same size as the branch duct, or if the continuation of the main serves only one device.

- 21) Make all duct elbows right angle type with single -thickness turning vanes or construct with centerline radius 1-1/2 times the duct width.

- 22) Duct sizes shown on plans are clear, interior dimensions. Duct sizes shown shall be enlarge to allow for liner at locations of interior liner.

- 23) Do not cut into or reduce the size of any structural member without the permission of the Architect.

- 24) Provide weather-proof flashing at all duct and pipe penetrations through the building walls and roof. As a minimum, flashings shall be designed and installed in accordance with SMACNA standards. Flashings shall be guaranteed weatherproof.

- 25) Support all HVAC units, ductwork, piping and other appurtenances from structure, provide vibration isolation at all fans which are not internally isolated. Provide hanger rod with built in rubber-in-shear isolator. Between drain pan and unit provide 4 each rubber-in-shear isolator. Do not attach vibration isolator to drain pan. Do not screw or drive fasteners into non-structural components such as roof decks or non-load bearing walls.

- 26) Thoroughly clean all components and remove all dirt, scale, oil, and other foreign substances. Provide clean air filters for all equipment.

- 27) Perform all tests necessary to demonstrate the integrity of the complete installation to the approval of the Engineer and all other authorities having jurisdiction. Make all adjustments necessary and balance the completed system in accordance with the data shown. Balance the systems in accordance with NEBB or AABC standards. Acceptable tolerances shall be minus ten percent to plus five percent of all measurements. Balancing shall be done by an independent licensed (by NEBB or AABC) TAB contractor. Make the following tests and submit reports to the Architect:

- a) Airflow rate at each supply, return and exhaust outlet or inlet.
- b) Total airflow rate and total static pressure for each supply and exhaust fan. Test exhaust fans with room doors closed.
- c) Motor speed, for multiple speed fans (e.g. high, medium, low).
- d) For direct drive fans, provide speed settings and actual rpm, including ECM motor driven fans
- e) Provide fan and motor rpm for belt driven fans. Provide sheave sizes.
- f) Outside airflow rate to each HVAC unit and supply fan.
- g) Motor current (and compare with nameplate data) at all motors.
- h) Entering and leaving air dry-bulb and wet-bulb conditions at all cooling coils.
- i) Heat output capacity for unit heaters, heating devices and coils (kW or MBH).
- j) Manufacturer, model and serial number for each piece of HVAC equipment scheduled on drawings.
- k) Calibrate thermostats to be within one degree of actual temperature at thermostat.
- l) Verify that all HVAC devices operate as scheduled or indicated (i.e. ON-OFF, 2-stage, variable output (SCR heaters), etc.

- 28) The entire system shall be warranted for a period of one (1) year beginning with Owner's acceptance of the work. Compressors shall include a minimum of five (5) year parts only warranty from the manufacturer. All labor and materials necessary to repair or replace the system or portions thereof, during that time shall be warranted for a period of one (1) year from the repair or replacement.

- 29) SUBMITTALS AND SUBMITTAL PROCEDURES:
- a. Contractor shall review the submittal data and check for the purpose of compliance with safety requirements, verification of dimensions, contract documents and methods and means prior to submitting to design professional. Contractor shall indicate approval by indicating such on the submittal.
- b. Transmit each submittal electronically in PDF format.
- c. Sequentially number submittal files and transmittal form. Revise submittals with original number and a sequential alphabetic suffix. File names shall describe item included in file.
- d. Identify Project, the Contractor, Subcontractor or supplier; pertinent drawing and detail number, and specification section number, as appropriate on each copy. Each file shall include an index of items included in file.

- e. Apply the Contractor's stamp, signed or initialed certifying that review, approval, verification of Products required, field dimensions, adjacent construction Work, and coordination of information is in accordance with the requirements of the Work and Contract Documents.
- f. Submittal data for all items in project shall be submitted at one time. Submittal shall be divided into groups with file sizes not exceeding 6 MB. If there is unavailable data such as control submittal, etc., these may be submitted later if not doing so would delay project progress. Data shall include capacities, complete installation instructions, dimensional data and electrical data, BHP, motor HP, operating weights and load distribution at mounting points.
- g. Deliver submittals electronically to the Design Professional.
- h. Schedule submittals to expedite the Project, and coordinate submission of related items.
- i. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.
- j. Identify variations from Contract Documents and Product or system limitations that may be detrimental to successful performance of the completed Work.
- k. Provide space for the Contractor and the Architect/ review stamps.
- l. When revised for resubmission, identify all changes made since previous submission.
- m.Distribute copies of reviewed submittals as appropriate. Instruct parties to promptly report any inability to comply with requirements.
- n. Submittals not requested will not be recognized or processed.
- o. Provide files containing only related items (such as piping, equipment, air distribution, etc.)

- 30) Instruct Owner's representative in the operation of the systems, using the operation and maintenance manual as a teaching aid.

- 31) Provide an operation and maintenance manual. As a minimum, the manual shall contain:
- a. A complete list of all equipment and appurtenances with equipment designations (per Drawings), manufacturers, and catalog numbers.
- b. Copies of manufacturers' brochures and instructions for operation and maintenance of all mechanical equipment, including replacement parts lists.
- c. Typed system operation and maintenance instructions, including inspection, lubrication, and service instructions and schedules.
- d. List of names, addresses and phone numbers of distributors of all equipment and appurtenances.
- e. Manufacturers' warranties.

- 32) Horizontal Air Handler unit: Indoor fan-coil unit shall be direct-expansion horizontal heat pump air handler with electric strip heat suspended from structure with auxiliary drip pan and condensate drain. Provide float switch in drip pan to shut down unit if pan begins to fill. Unit shall be complete with cooling coil, fan, fan motor, piping connectors, electrical controls, microprocessor control system, and integral temperature sensing. Cabinet shall be fully insulated for improved thermal and acoustic performance. Condensate pan shall have internal trap and auxiliary drip pan under coil header. Provide condensate trap recommended by manufacturer. Air filters shall be 1 inch thick glass fiber, disposable type arranged for easy replacement. Provide number of stages as scheduled. Provide condensate overflow switch (Rectorseal Safe-T-Switch Model SS1 or equivalent) wired to shut unit down in case of condensate overflow.

- 33) Air Source Heat Pumps (HP-1, 2, 3): outdoor-mounted, air-cooled split system outdoor section suitable for rooftop installation, consisting of a hermetic compressor, an air-cooled coil, propeller-type blow-thru outdoor fans, accumulator, full refrigerant charge, and control box. Unit shall function as the outdoor component of an air-to air cooling system and used in a refrigeration circuit matched to the indoor unit. Unit construction shall comply with ANSI/ASHRAE 15, latest revision, the NEC, and UL standards. Provide rail support system compatible with roofing system. Refer to Schedule on Drawings for additional specifications.

- 34) Provide a duct smoke detector on the supply duct of each air handling unit or rooftop unit with design airflows exceeding 2,000 CFM, and where smaller air handling units have common return ductwork or plenum and total air flow exceeds 2,000 CFM. Install detector in accordance with the International Mechanical Code section 606 Smoke Detection Control System with Georgia Amendments 2018. Detectors shall be provided by the electrical/fire alarm subcontractor and shall be installed by the mechanical subcontractor. For other fans, such as exhaust fans with design airflows exceeding 2,000 CFM, coordinate with the electrical/fire alarm subcontractor to provide room or duct smoke detectors. Where no fire alarm system is installed in building provide smoke detector, audio visual annunciator and trouble indicator in an approved location. Duct smoke detector trouble conditions shall activate a visible or audible signal in an approved location and shall be identified as air duct detector trouble. Provide contacts to automatically shut down all such fan motors when smoke is detected, to indicate detector status to the fire alarm system, and to require a manual reset of the shut-down relay.

- 35) Condensate pumps: Provide condensate pumps at each new air handler. Provide discharge tubing connected to pump discharge and route along with refrigerant piping to discharge adjacent to outdoor unit. Pump shall included Safety Switch, 6 ft. Power Cord, Thermal Overload Protector, Nylon Sump Pan, Control Float, check valve and Filter Screen. Manufacturer: Little Giant Model VDMA20ULS or equivalent. Minimum 18 gallon per hour at 12 ft. head capacity. Wire safety high level switch to stop unit if high water level condition occurs in sump. Provide 3/8" hard drawn copper for discharge at exposed location. Provide 3/8" vinyl tubing for discharge at concealed locations.

- 36) Grilles, Registers and Diffusers: Grilles, registers, and diffusers as indicated on the drawings have been selected from the catalog of the manufacturer noted as the basis of design. Sizes, types, and performance of the devices to be provided must be coordinated to insure conformity with design basis. Sidewall supply grilles and registers shall have vertical front blades; sidewall return grilles shall have horizontal blades. Grilles and registers shall have felt or rubber gaskets cemented to the back face and holding screws not over 18 inches on centers around the perimeter. Holding screws shall be counter-sunk to fit flush with face of grille or register. Grilles passing air through partitions shall be as described for wall return grilles, one for each side of partition. Register dampers shall be of the gang-operated, opposed blade type, operated through the face of the register. Operating mechanism shall not project through the register face. Mounting frame shall be coordinated with architectural reflected ceiling plans. Construction shall be of steel or aluminum as scheduled, with frame type to match ceiling construction. Sidewall supply grilles and registers shall be double-deflection type, with vertical front vanes. Construction shall be of steel, with 3/4 inch blade spacing. Return air grilles, exhaust grilles, exhaust registers and transfer air grilles located in ceilings shall be constructed of aluminum with "egg-crate" design, with 1/2 inch x 1/2 inch x 1/2 inch grids. Frame style shall be compatible with ceiling construction. Install wall grilles and registers with horizontal edges parallel to ceiling. Concentric diffuser assemblies at roof top units shall have paint-ready exterior finish and 1-inch lined supply and return ducts that transition to diffuser size within 24 inches vertically of the bottom of roof top unit curb.

- 37) Basic motor requirements: basic requirements apply to mechanical equipment motors, unless otherwise indicated. Motors 1/2 hp and larger: Polyphase, unless otherwise scheduled. Motors smaller than 1/2 hp: single phase. Frequency rating: 60 Hz. Service factor: according to NEMA MG 1, general purpose continuous duty, design type "B." Enclosure: open drip-proof, unless otherwise indicated. Efficiency: motors shall have a higher efficiency rating than industry standard average motor as delineated in IEEE Standard 112, test method 13. Thermal protection: where indicated or required, thermal protection automatically opens power supply circuit to motor when winding temperature exceeds a safe value calibrated to temperature rating of motor insulation. Thermal protection device automatically resets when motor temperature returns to normal range, unless otherwise indicated.

- 38) Hangers and supports: Building attachments: concrete inserts or structural-steel fasteners appropriate for building materials, and beam clamps. Hanger materials: galvanized, sheet steel or round, threaded steel rod. Hangers installed in corrosive atmospheres: electrogalvanized, all-thread rod or galvanized rods with threads painted after installation. Straps and rod sizes: comply with SMACNA's "HVAC Duct Construction Standards--Metal and Flexible" for sheet steel width and thickness and for steel rod diameters. Duct attachments: sheet metal screws, blind rivets, or self-tapping metal screws; compatible with duct materials. Trapeze and riser supports galvanized steel shapes and plates: steel shapes complying with ASTM A 36/A 36M.

- 39) Sealant materials: joint and seam sealants, general: the term "sealant" is not limited to materials of adhesive or mastic nature but includes tapes and combination of open-weave fabric strips and mastics. Joint and seam type: 2 inches wide; glass-fiber fabric reinforced. Joint and seam sealant: one-part, nonsag, solvent-release-curing, polymerized butyl sealant, formulated with a minimum of 75 percent solids. Flanged joint mastics: one-part, acid-curing, silicone, elastomeric joint sealants, complying with ASTM C 920, type S, grade NS, class 25, use 0.

- 40) All HVAC equipment such as AH, EF, and HP, shall have visible nameplates with their associated marks on them.

- 41) Natural gas piping shall be ASTM A53; Type E or S; Grade B; Schedule 40; black steel with malleable iron threaded fitting per ASME 16.3 Class 150. Flexible connectors shall comply be ANSI Z21.24 of copper alloy. Gas stops shall have bronze body with AGA stamp and bronze plug with lever handle. Valves shall be ASME B16.33 with IAS-listed bronze body.

- 42) Ceiling Ventilator shall have corrosion resistant galvanized steel housing with four-point mounting capability. It shall be ducted to a cap on wall or roof using round ductwork. Blower assembly shall be removable, have a centrifugal-type blower wheel and a permanently lubricated motor designed for continuous operation. Non-metallic damper/duct connector shall be included. Air delivery shall be no less than scheduled and sound level no greater than scheduled. All air and sound ratings shall be certified by J.W. Ceiling ventilator shall be Energy Star® qualified and have an energy efficient permanent split capacitor motor.

- 43) Acceptable Manufacturers are:

Air Handlers & Heat Pumps, Packaged Units: Carrier, Trane, York, Lennox

Grilles, Registers & Diffusers: Titus, Nailor, Price, Tuttle & Bailey, Kruger, Metal Aire(Color selection submitted to Architect)

Fans: Twin-City, Cook, Greenheck, PennBarry, Acme, American CoolAir, Captive Air, Salar & Palau

Controls-provided with unit: Provide thermostats by same manufacturer as equipment

We understand that the Owner intends to re-use some or all of the existing HVAC equipment located on Level 1. Please note that our scope of work does not include evaluation, testing, or verification of any existing HVAC equipment. Accordingly, we have not assessed the condition or performance of the existing systems and cannot confirm their functionality or capacity relative to the nameplate ratings.

Industry standards suggest a typical life expectancy of 12-15 years for packaged HVAC equipment. If the Owner chooses to proceed with re-use, we strongly recommend that a qualified HVAC service provider be engaged to evaluate each unit and issue a deficiency report outlining any concerns or required repairs.

We make no warranties regarding the condition, performance, or future service life of any existing equipment. Inclusion of such equipment in our design is done solely at the Owner's discretion and risk.

REVISION	DATE	DESCRIPTION

SHEET TITLE MECHANICAL SPECIFICATIONS

JOB NUMBER 25-CC-01

DATE 08-01-2025

SHEET NUMBER

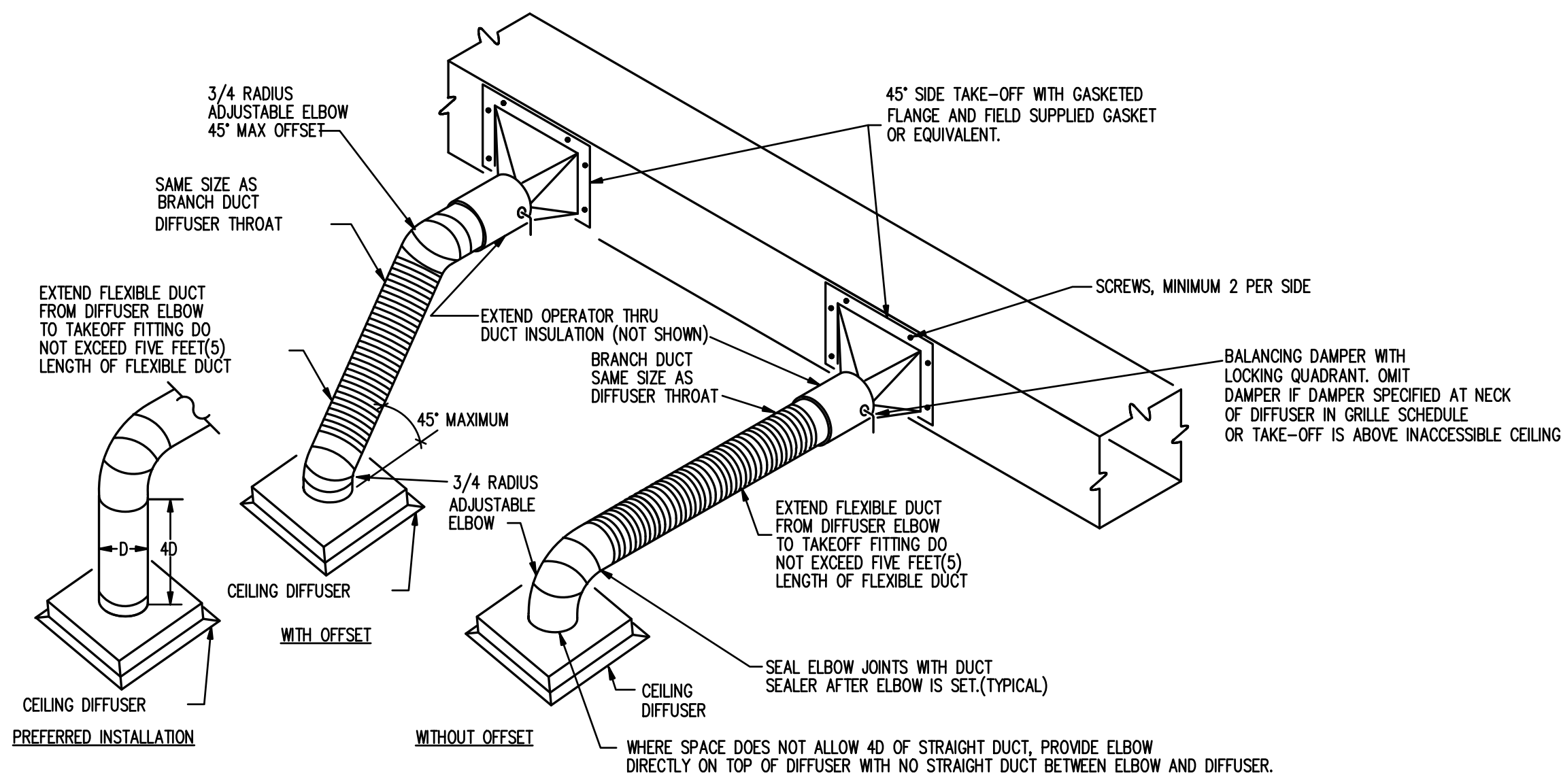
MECHANICAL SYMBOLS & ABBREVIATIONS LEGEND	
	NEW PIPE, DUCTWORK OR EQUIPMENT
	DUCT SIZE: FIRST DIMENSION IS SIDE DRAWN
	FLEXIBLE ROUND DUCTWORK
	FIRE DAMPER, SMOKE DAMPER, SMOKE DETECTOR
	CEILING SUPPLY DIFFUSER
	CEILING RETURN OR EXHAUST AIR
	S.A DUCT OUT OF TU BOX WITH DUCT LINER FOR THR FIRST FIVE FEET OF DUCT OUT OF TU BOX
	SIDEWALL REGISTER OR GRILLE
	CHANGE IN PIPE OR DUCT SIZE OR SHAPE
	REFRIGERANT PIPING
	CONDENSATE OR OTHER DRAIN PIPING
	ELBOW TURNED DOWN OR TURNED UP IN PIPING
	THERMOSTAT, ARROW SHOWS CONTROL WIRING PATH
	TIME CLOCK
	DIAMETER
	UNDER-OUT DOOR 3/4", UNLESS OTHER SIZE NOTED
	INDICATES EQUIPMENT ON PLANS; TOP ITEM SHOWS TYPE OF EQUIPMENT AND BOTTOM ITEM SHOWS SPECIFIC MARK NUMBER
	ITEM IN HEXAGON SHOWS AIR DEVICE MARK NUMBER, ITEM ABOVE LINE SHOWS NECK SIZE, ITEM BELOW LINE SHOWS AIR FLOW THROUGH DEVICE, AND NUMBER IN FRONT SHOWS QUANTITY IF MORE THAN ONE
	ABOVE FINISHED FLOOR
	AIR HANDLING UNIT
	BYPASS DAMPER
	BRITISH THERMAL UNITS, THOUSAND BRITISH THERMAL UNITS
	CAPACITY
	CUBIC FEET PER MINUTE
	CEILING
	CONDENSING UNIT
	DRY BULB TEMPERATURE, WET BULB TEMPERATURE
	EXHAUST AIR, EXHAUST GRILLE
	EXHAUST FAN
	EXTERNAL STATIC PRESSURE (USUALLY EXPRESSED IN INCHES OF WATER IN GAGE)
	HEAT PUMP UNIT
	MANUAL VOLUME DAMPER
	OUTSIDE AIR
	RETURN AIR, RETURN GRILLE
	PACKAGED ROOFTOP UNIT
	SUPPLY AIR
	SUPPLY FAN FOR SHOP VENTILATION
	VOLTS ALTERNATING CURRENT, NUMBER OF PHASES
	WATTS, KILOWATTS
	UNIT HEATER
	AUDIBLE/VISUAL ALARM DEVICE CONNECTED TO DUCT SMOKE DETECTOR
	ACCESS DOOR
	RADIUS ELBOW (R=1.5)
	VANED ELBOW
	MANUAL VOLUME DAMPER (MVD), MOTOR OPERATED DAMPER (MOD)
	X INDICATES SECTION NUMBER/XX INDICATES ON WHICH DRAWING SECTION APPEARS
	CONNECT NEW TO EXISTING
	TERMINATION POINT OF DEMOLITION
	OCCUPANCY SENSOR, ENERGIZE UPON OCCUPANCY AND PROVIDE 15 MIN. DELAY TO "OFF" AFTER NO OCCUPANCY IS SENSED

HEAT PUMP AIR HANDLING UNIT SCHEDULE														
MARK	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. SP IN. W.G.	EVAP. FAN HP	EVAP. COIL ENTERING AIR DESIGN CONDITIONS DB °F WB °F	EVAP. COIL LEAVING AIR DESIGN CONDITIONS DB °F WB °F	SYSTEM COOLING MAX. REQUIREMENTS (MBH)	SUPPL. HEAT KW	WEIGHT (LBS)	POWER VAC/PH	BASIS OF DESIGN CARRIER	NOTES		
AH-1	1,500	210	0.60	3/4	78.2	65.3	55.0	44.8	34.1	7.5	250	208/1	F14BNXC48L00	1:2:3:4:5:6:7:8:9
AH-2	1,400	200	0.60	3/4	78.2	65.3	55.0	44.8	34.1	7.5	250	208/1	F14BNXC48L00	1:2:3:4:5:6:7:8:9
AH-3	1,400	200	0.60	3/4	78.2	65.3	55.0	44.8	34.1	7.5	250	208/1	F14BNXC48L00	1:2:3:4:5:6:7:8:9
1. UNIT AT 208/114 AUXILIARY HEATER AT 208/114. UNIT SHALL HAVE SINGLE POINT CONNECTION. AIR-HANDLING UNIT WITH ECM MOTOR. 2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION. 3. PROVIDE AIR FILTERS, DUCT CONNECTIONS AND VIBRATION ISOLATION. PROVIDE PROGRAMMABLE THERMOSTAT AND SUPP. ELEC. HEAT MODULE CONNECTED TO UNIT FOR SINGLE POINT OF CONNECTION. 4. PROVIDE CONDENSATE TRAP(S) AS RECOMMENDED BY MANUFACTURER AND ROUTE CONDENSATE PIPING TO MOP SINK IN 225 JANITOR. 5. PROVIDE AUXILIARY DRAIN PAN UNDER THE AIR HANDLERS WITH FLOAT ACTIVATED SWITCH TO SHUT THE UNIT DOWN IN CASE OF CONDENSATE OVERFLOW. REFER TO DETAIL PROVIDED. 6. PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT OF AIR-HANDLING UNIT. 7. FLOAT ACTIVATED CONDENSATE SWITCH SHALL BE PROVIDED AND INSTALLED BY HVAC CONTRACTOR. DUCT SMOKE DETECTORS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR. 8. PROVIDE COIL OUTLET SWITCH TO SHUT UNIT DOWN IN CASE OF CONDENSATE OVERFLOW. WIRE COIL OUTLET SWITCH IN SERIES WITH AUXILIARY CONDENSATE SWITCH LOCATED IN DRAIN PAN.														

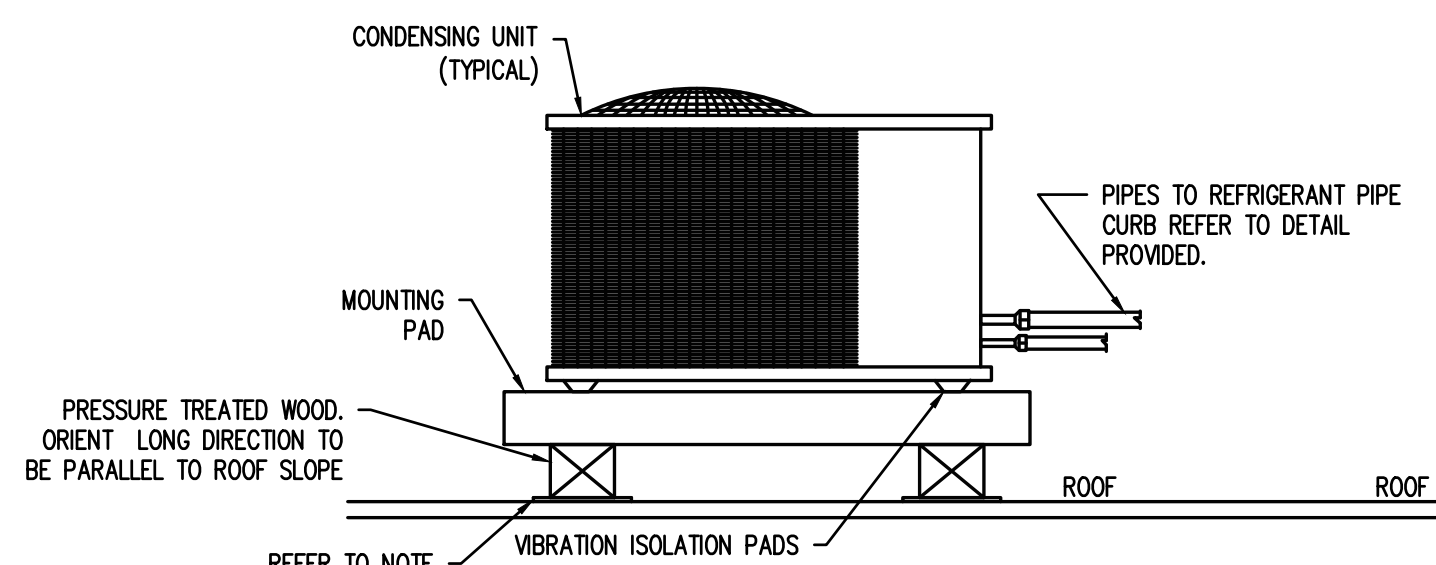
AIR COOLED HEATPUMP UNIT SCHEDULE												
MARK	AHU SERVED	HEAT PUMP HEATING CAP (MBH)	SEER2	HSPF2	NOM. CAP. (TONS)	REFRIG	OA TEMP SUMMER (DB)	OA TEMP WINTER (DB)	WEIGHT (LBS)	POWER VAC/PH	BASIS OF DESIGN CARRIER	NOTES
HP-1	AH-1	32.2	16.0	8.1	4.0	R454B	96	23	350	208/1	25TPB748A003	1:2:3:4:5:6
HP-2	AH-2	32.2	16.0	8.1	4.0	R454B	96	23	350	208/1	25TPB748A003	1:2:3:4:5:6
HP-3	AH-3	32.2	16.0	8.1	4.0	R454B	96	23	350	208/1	25TPB748A003	1:2:3:4:5:6
1. PROVIDE WITH DEFROST CONTROLS, LOW AMBIENT HEAD PRESSURE CONTROLS, AND ANTI-SHORT CYCLE TIMER. PROVIDE COIL GUARD. 2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION. 3. PROVIDE LIQUID LINE SOLENOID, CRANKCASE HEATER, TXV, START CAPACITOR AND RELAY AS RECOMMENDED BY MANUFACTURER FOR LONG LINE APPLICATIONS. 4. PROVIDE MOUNTING PAD AS PER DETAIL PROVIDED. 5. 2-STAGE COMPRESSOR UNIT. 6. PROVIDE LONG LINE ACCESSORIES PER NOTE 3 WHERE REFRIGERANT PIPE LENGTHS EXCEEDS 80-EQUIVALENT FEET.												

FAN SCHEDULE									
MARK	CFM	EXT. SP IN W.G.	DRIVE TYPE	MOTOR (HP/W)	MAX SONES	POWER/ PHASE	BASIS OF DESIGN	SERVES	NOTES
EF-1	140	0.25	DIRECT	128.0 W	2.0	115/1	GREENHECK SP-B150	222 MEN	1:2:3:4:5
EF-2	140	0.25	DIRECT	128.0 W	2.0	115/1	GREENHECK SP-B150	223 WOMEN	1:2:3:4:5
EF-3	70	0.25	DIRECT	20.0 W	1.3	115/1	GREENHECK SP-B90	225 JANITOR	1:3:4:5:6
EF-4	70	0.25	DIRECT	20.0 W	1.3	115/1	GREENHECK SP-B90	226 STAFF RESTROOM	1:2:3:4:5
EF-5	70	0.25	DIRECT	20.0 W	1.3	115/1	GREENHECK SP-B90	207 STAFF RESTROOM	1:2:3:4:5
EF-6	70	0.25	DIRECT	20.0 W	1.3	115/1	GREENHECK SP-B90	207 STAFF RESTROOM	1:2:3:4:5
1. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION. 2. FAN SHALL BE INTERLOCKED WITH LIGHTS SUCH THAT FAN COMES ON WHEN LIGHTS ARE ON. 3. PROVIDE FACTORY SOLID STATE FAN SPEED CONTROLLER. 4. DIRECT DRIVE CENTRIFUGAL CEILING FAN. PROVIDE FACTORY SUPPLIED DISCONNECT, BACK DRAFT DAMPER AND MOTOR WITH THERMAL OVERLOAD. 5. PROVIDE MANUFACTURER'S DESIGNER GRILLE. 6. FAN SHALL BE CONTROLLED BY A SWITCH LOCATED IN ROOM FAN SERVES.									

AIR DEVICE SCHEDULE									
MARK	SERVICE	NECK SIZE	FACE SIZE	MATERIAL	TYPE	PATTERN	MOUNTING TYPE	LAYOUT BASIS TITUS	NOTES
S1	SUPPLY	SEE PLANS	24" X 24"	STEEL	SQUARE CONC.	4-WAY	LAY-IN	TMS	1:2:4
S2	SUPPLY	SEE PLANS	12" X 12"	STEEL	SQUARE CONC.	4-WAY	SURFACE	TMS	1:2:4
S3	SUPPLY	SEE PLANS	NECK+1-3/4"	STEEL	DOUBLE DEFLECTION REGISTER	2-WAY	SURFACE	300RS	1:2:4
S4	SUPPLY	SEE PLANS	24" X 24"	STEEL	SQUARE CONC.	4-WAY	SURFACE	TMS	1:2:4
R1	RETURN	SEE PLANS	24" X 24"	ALUMINUM	EGGCRATE	----	LAY-IN	50F	1:3
R2	RETURN	SEE PLANS	24" X 12"	ALUMINUM	EGGCRATE	----	LAY-IN	50F	1:3
R3	RETURN	SEE PLANS	NECK+1-3/4"	ALUMINUM	EGGCRATE	----	LAY-IN	350R	1:3
1. PROVIDE STANDARD WHITE FINISH. 2. INSULATE BACK OF DEVICE. 3. PROVIDE FULL SIZE LINED SHEET METAL PLENUM ON TOP OF GRILLE FOR CONNECTION. 4. BALANCE AIRFLOW TO QUANTITY SHOWN. 5. PROVIDE FACE DAMPER IF NECK DAMPER IS UNAVAILABLE.									

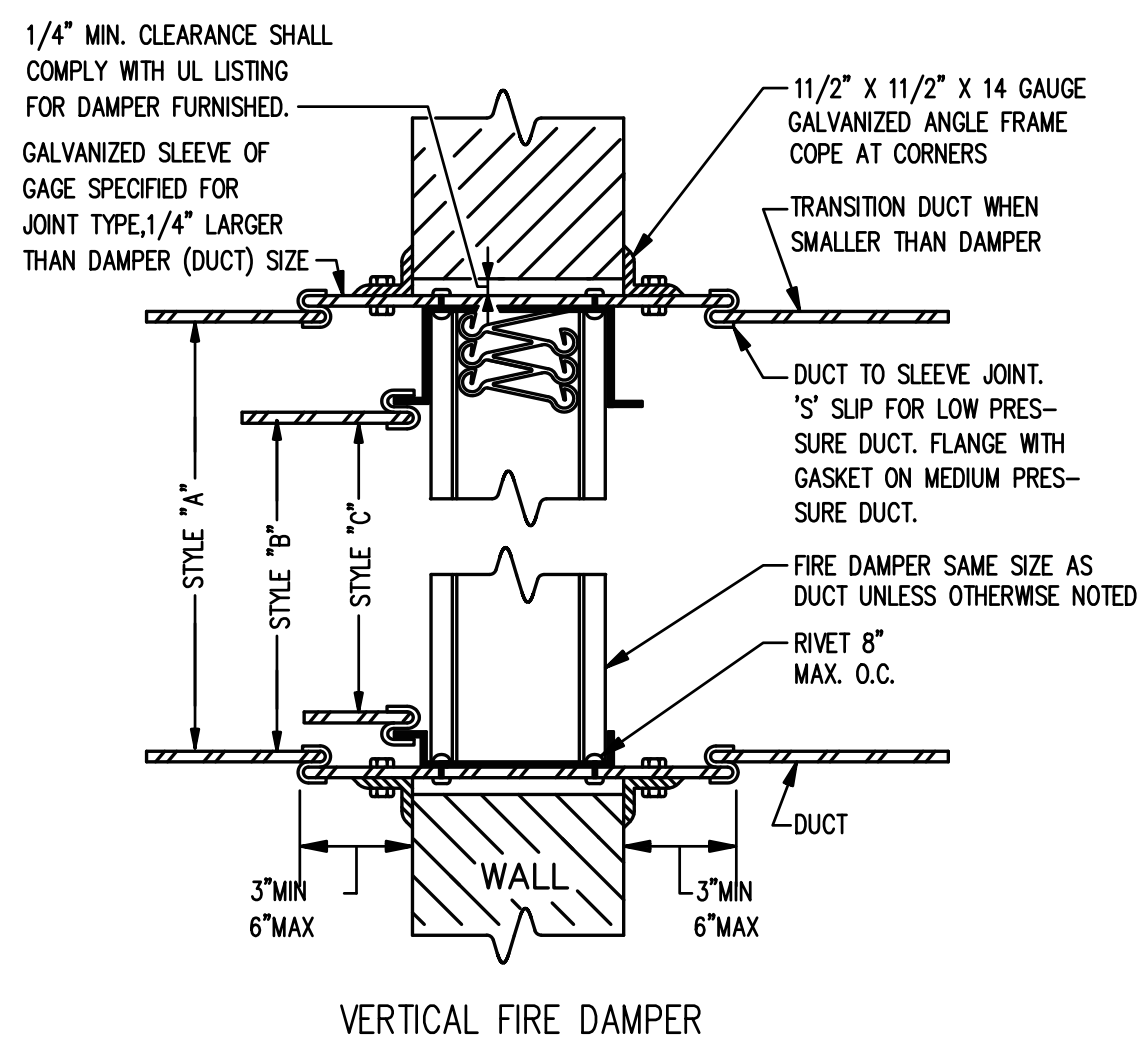


1 DIFFUSER RUN OUT DETAIL
SCALE: N.T.S.



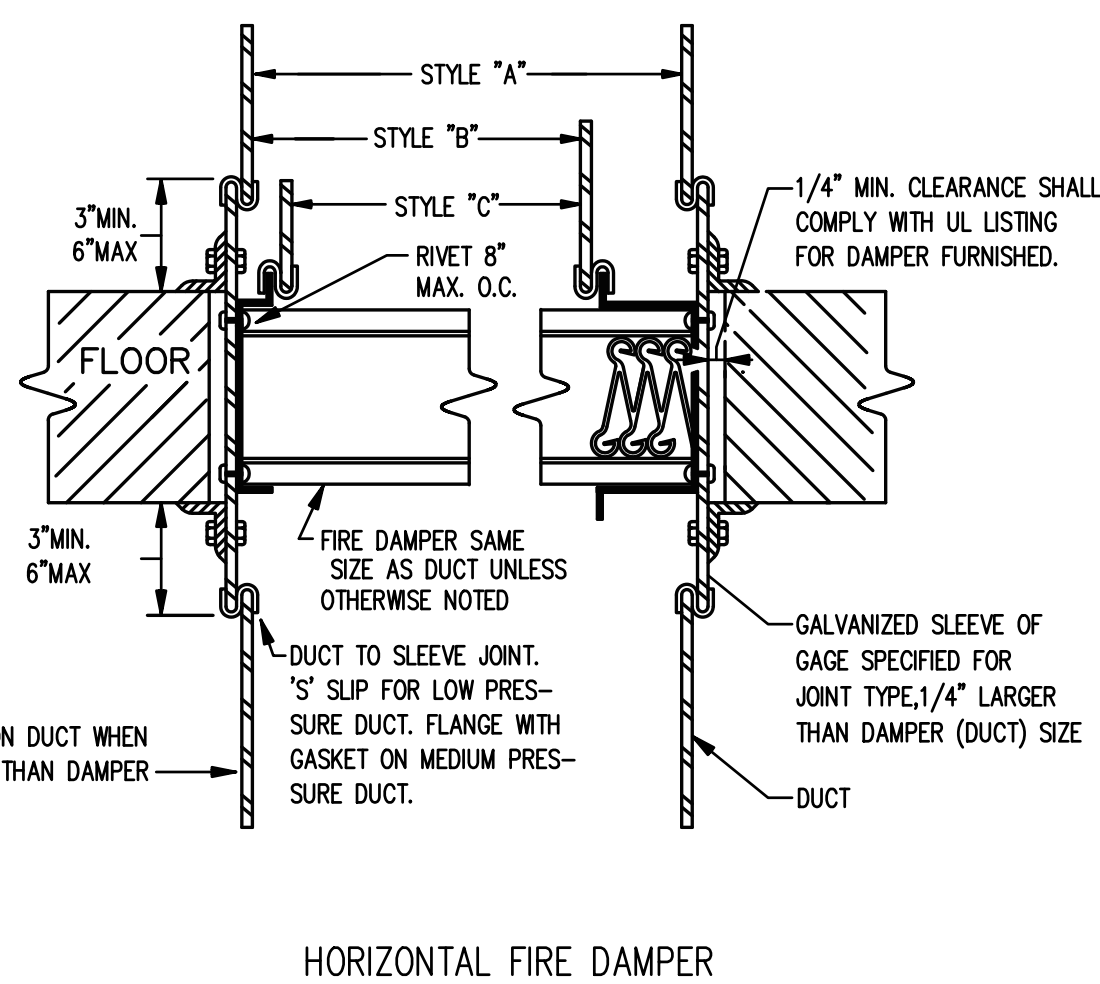
- NOTE: 1) THIS DETAIL IS FOR HEAT PUMP/CONDENSING UNIT UNIT 5 TONS AND UNDER
2) MOUNTING PAD SHALL BE TYPICAL DIVERSITECH ULTRALITE EQUIPMENT PAD OR EQUIVALENT.
3) PROVIDE ADDITIONAL ROOFING TO PROTECT MEMBRANE TO MAINTAIN ROOFING WARRANTY.
4) INSTALL CONDENSING UNITS ON VIBRATION ISOLATION PAD MOUNTED ON TOP OF 3" PAD. PADS MOUNTED ON TOP OF (2) 4x4 WOOD POSTS. MAINTAIN MINIMUM CLEARANCES BETWEEN UNITS IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES. EXTRA TPO ROOFING TO BE BELOW 4x4 AS PER NOTE 3.
5) SECURE SMALL SPLIT SYSTEM UNITS TO MOUNTING PAD

5 TYPICAL CONDENSING UNIT INST
SCALE: N.T.S.

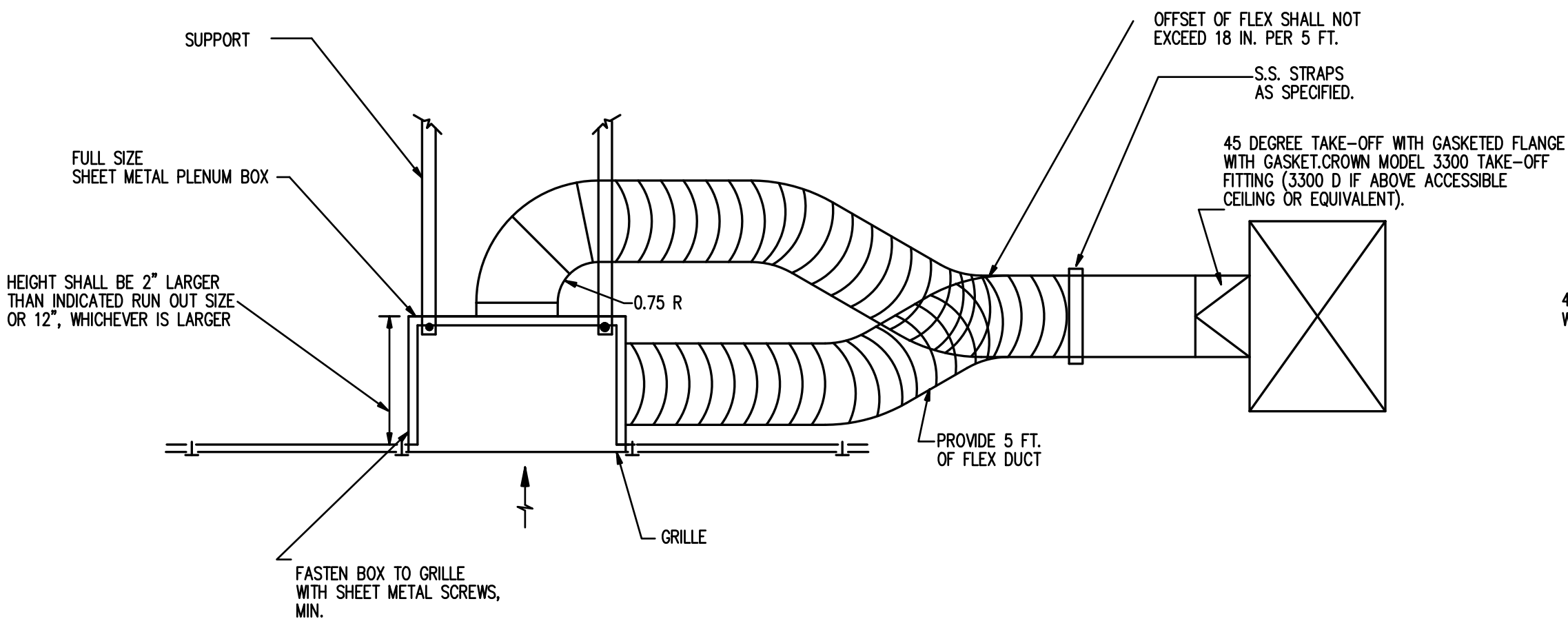


ALL FIRE DAMPERS ON THE PROJECT SHALL BE STYLE 'A' TYPE FIRE DAMPERS UNLESS OTHERWISE NOTED. DAMPERS LOCATED IN MEDIUM OR HIGH PRESSURE DUCTWORK SHALL BE STYLE 'C' FIRE DAMPERS. WHERE DAMPERS ARE INSTALLED IN DRYWALL PARTITION, STUD FRAMING SHALL BE PROVIDED ON ALL FOUR SIDES ON DAMPER.

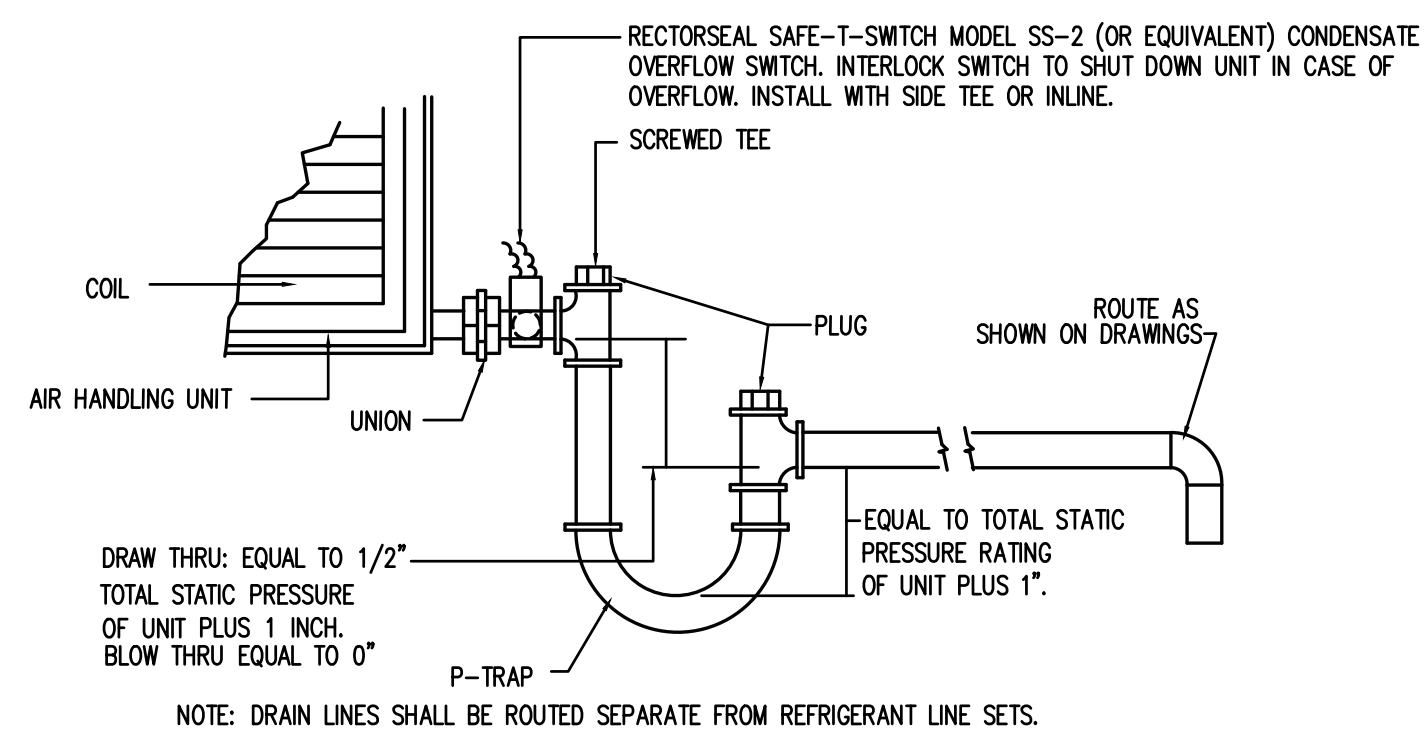
8 FIRE DAMPER DETAIL
SCALE: N.T.S.



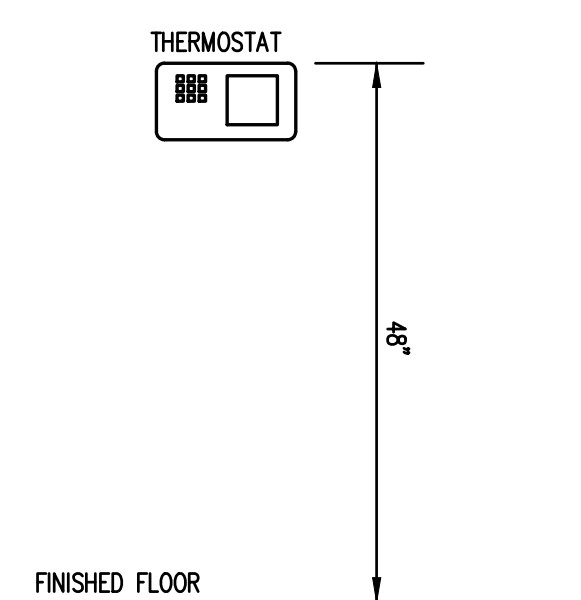
HORIZONTAL FIRE DAMPER



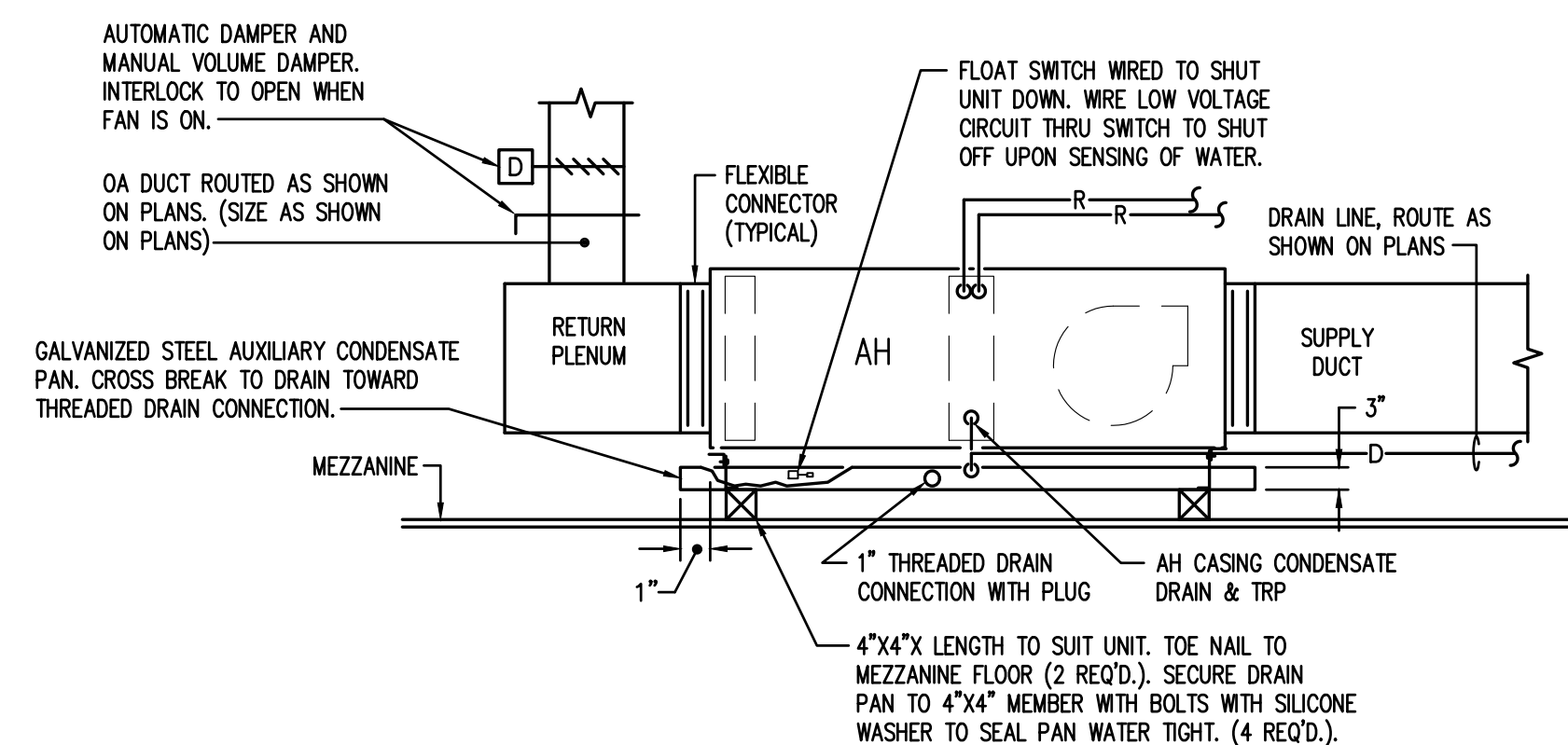
2 TYPICAL GRILLE WITH LINED PLENUM DETAIL
SCALE: N.T.S.



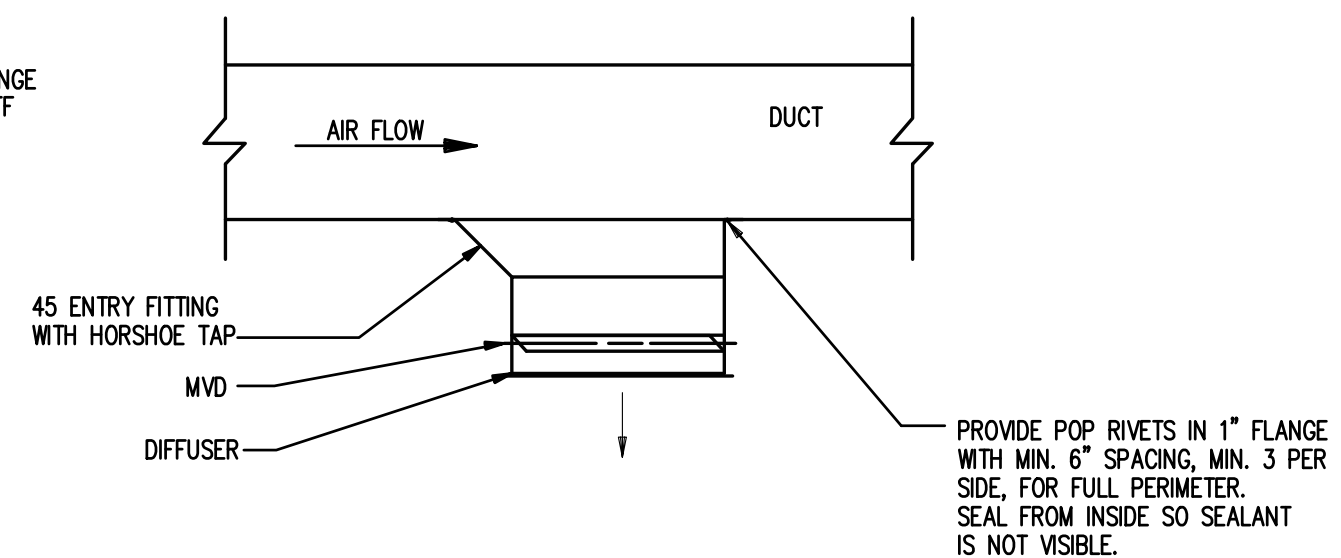
6 CONDENSATE DRAIN DETAIL
SCALE: N.T.S.



7 T-STAT DETAIL
SCALE: N.T.S.



9 AHU ON MEZZANINE WITH AUXILIARY CONDENSATE PAN
SCALE: N.T.S.



3 DUCT MOUNTED DIFFUSER DETAIL
SCALE: N.T.S.

REVISION	DATE	DESCRIPTION

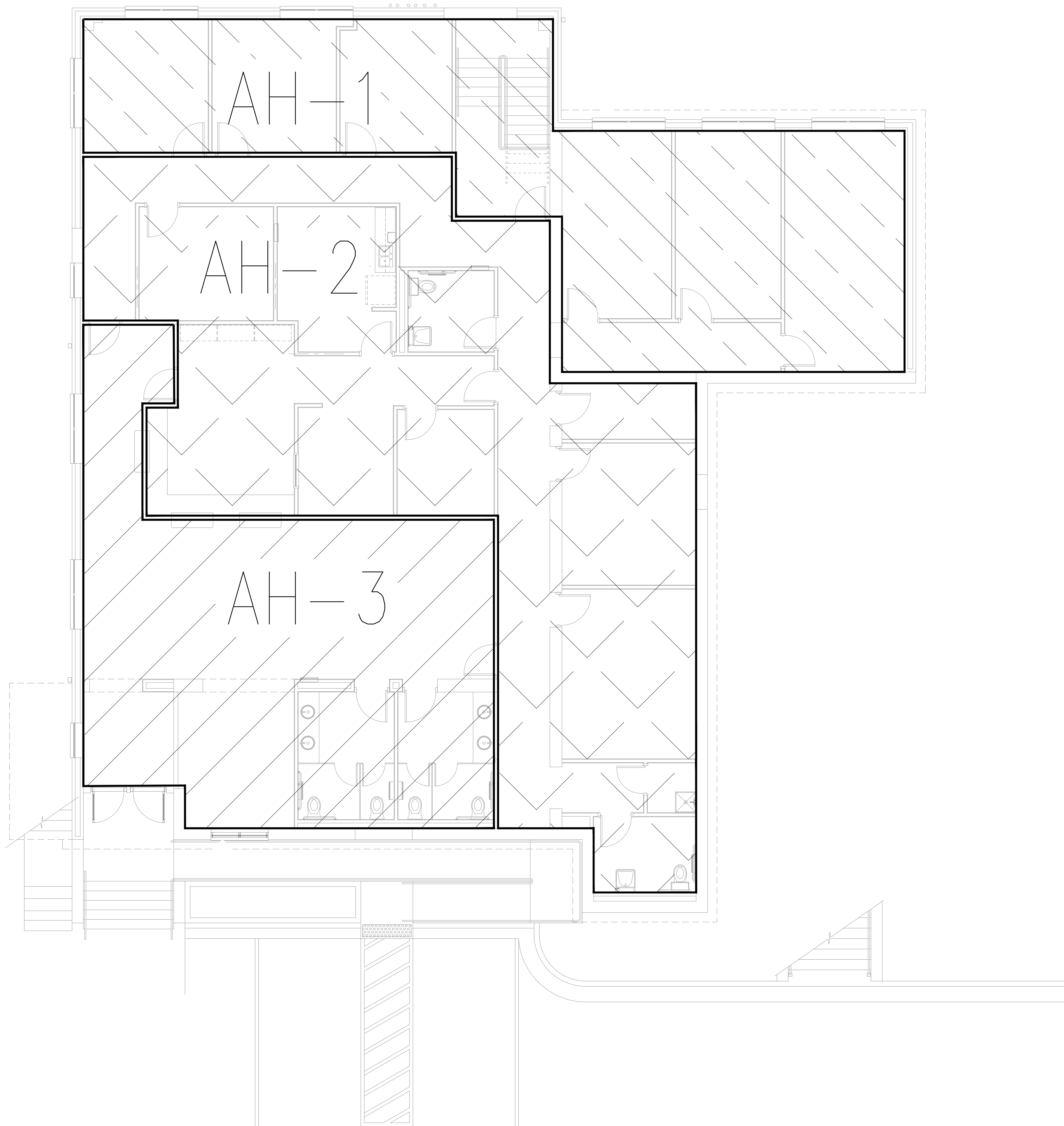
SHEET TITLE
MECHANICAL
DETAILS

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER

M-0.3



1 MECHANICAL ZONING PLAN
SCALE: N.T.S.

REVISION	DATE	DESCRIPTION

SHEET TITLE
MECHANICAL
DETAILS

JOB NUMBER
25-CC-01

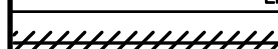
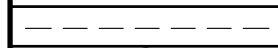
DATE
08-01-2025

SHEET NUMBER

M-0.4

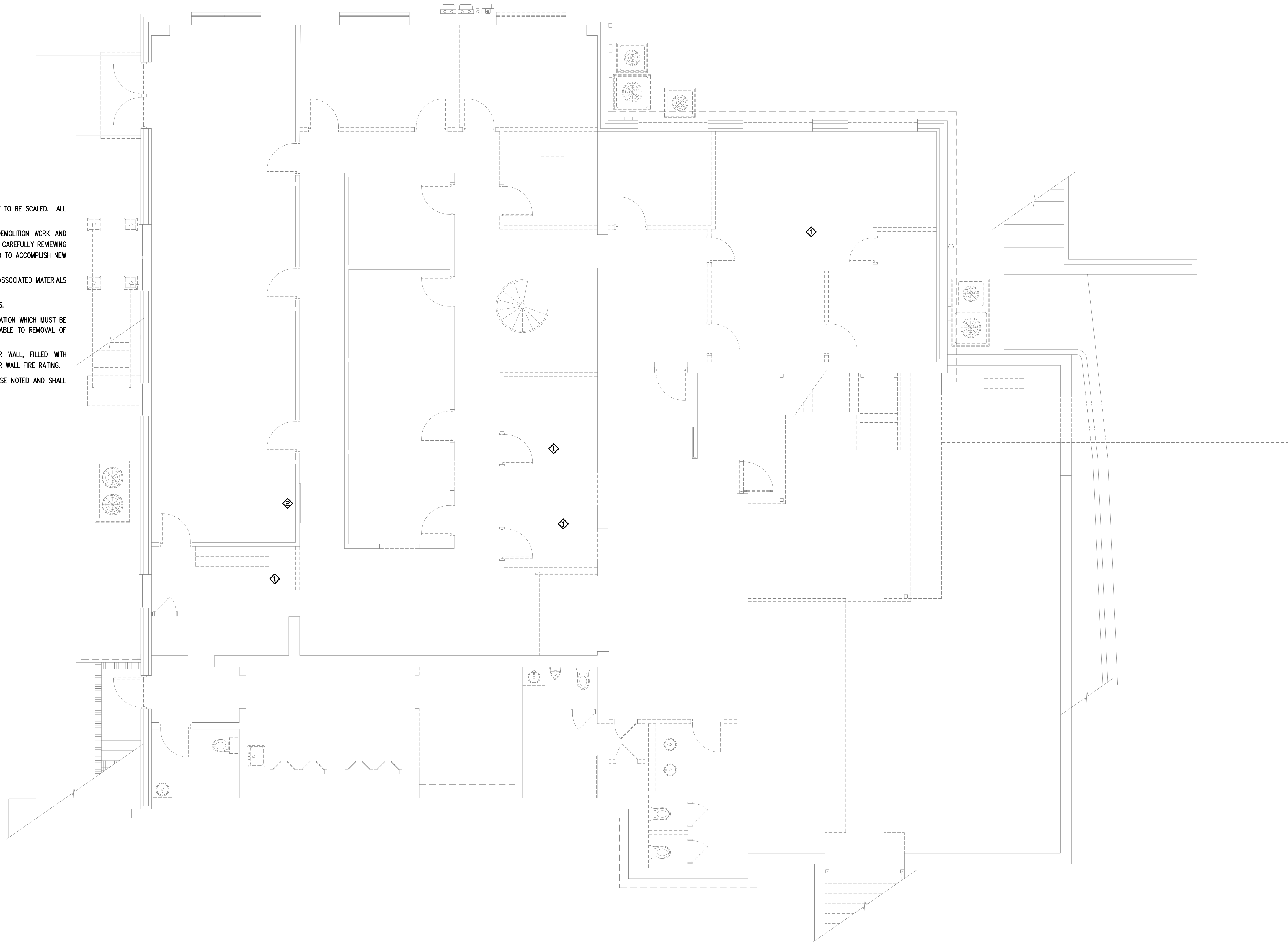
GENERAL DEMOLITION NOTES

- A) DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL PROXIMITY OF EQUIPMENT, PIPES, DUCTWORK ETC., ARE NOT TO BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR AT BUILDING SITE.
- B) THE DEMOLITION PLANS HAVE BEEN PREPARED TO ASSIST THE CONTRACTOR IN DETERMINING THE SCOPE OF DEMOLITION WORK AND SHOULD NOT BE CONSTRUED TO BE ALL OF DEMOLITION REQUIRED. THE CONTRACTOR SHALL VISIT JOB SITE (AFTER CAREFULLY REVIEWING THE CONTRACT DOCUMENTS) AND DETERMINE EXACT AREAS AND QUANTITIES OF EXISTING MATERIALS TO BE REMOVED TO ACCOMPLISH NEW CONSTRUCTION.
- C) WHERE THE DOCUMENTS INDICATE EQUIPMENT TO BE REMOVED OR DEMOLISHED. CONTRACTOR SHALL REMOVE ALL ASSOCIATED MATERIALS INCLUDING SUPPORT, HANGERS, AND ASSOCIATED ACCESSORIES.
- D) CONTRACTOR SHALL DISPOSE OF ANY MATERIAL TO BE DISCARDED IN ACCORDANCE WITH ALL LAWS AND REGULATIONS.
- E) IF CONTRACTOR'S OBSERVATIONS REVEAL THE PRESENCE OF ASBESTOS IN HVAC DUCTWORK, EQUIPMENT, AND INSULATION WHICH MUST BE DISTURBED DURING THE COURSE OF THIS WORK, CONTRACTOR MUST FOLLOW ALL LAWS AND REGULATIONS APPLICABLE TO REMOVAL OF ASBESTOS MATERIAL TO REMOVE IT.
- F) UNUSED SLEEVES LEFT OPEN BY REMOVAL OF PIPING SHALL BE CUT FLUSH WITH THE FINISHED SLAB OR WALL, FILLED WITH NON-SHRINKING GROUT AND/OR FIRE RATED FOAM FLUSH WITH BOTH SIDES OF SLAB OR WALL TO MAINTAIN SLAB OR WALL FIRE RATING.
- G) ALL EXISTING EQUIPMENT REMOVED OR DEMOLISHED SHALL BE A PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED AND SHALL BE REMOVED FROM THE FACILITY AS REQUIRED BY CODES AND REGULATIONS.

LINE LEGEND	
	DEMOLITION
	EXISTING TO REMAIN
	CONNECT TO EXISTING

KEY NOTES (THIS SHEET ONLY):

-  CONTRACTOR SHALL REWORK GRILL AND DUCTWORK IN THE AREA UP TO NEW CONDITION.
-  EXISTING UNIT SHALL BE SERVICED AND CHARGED FRO PROPER OPERATION. PROVIDE A REPORT OF DEFICIENCY FOUND IN AN EXISTING SYSTEM TO OWNER.



1 LEVEL 1 DEMOLITION MECHANICAL PLAN
SCALE: 3/16"=1'-0"

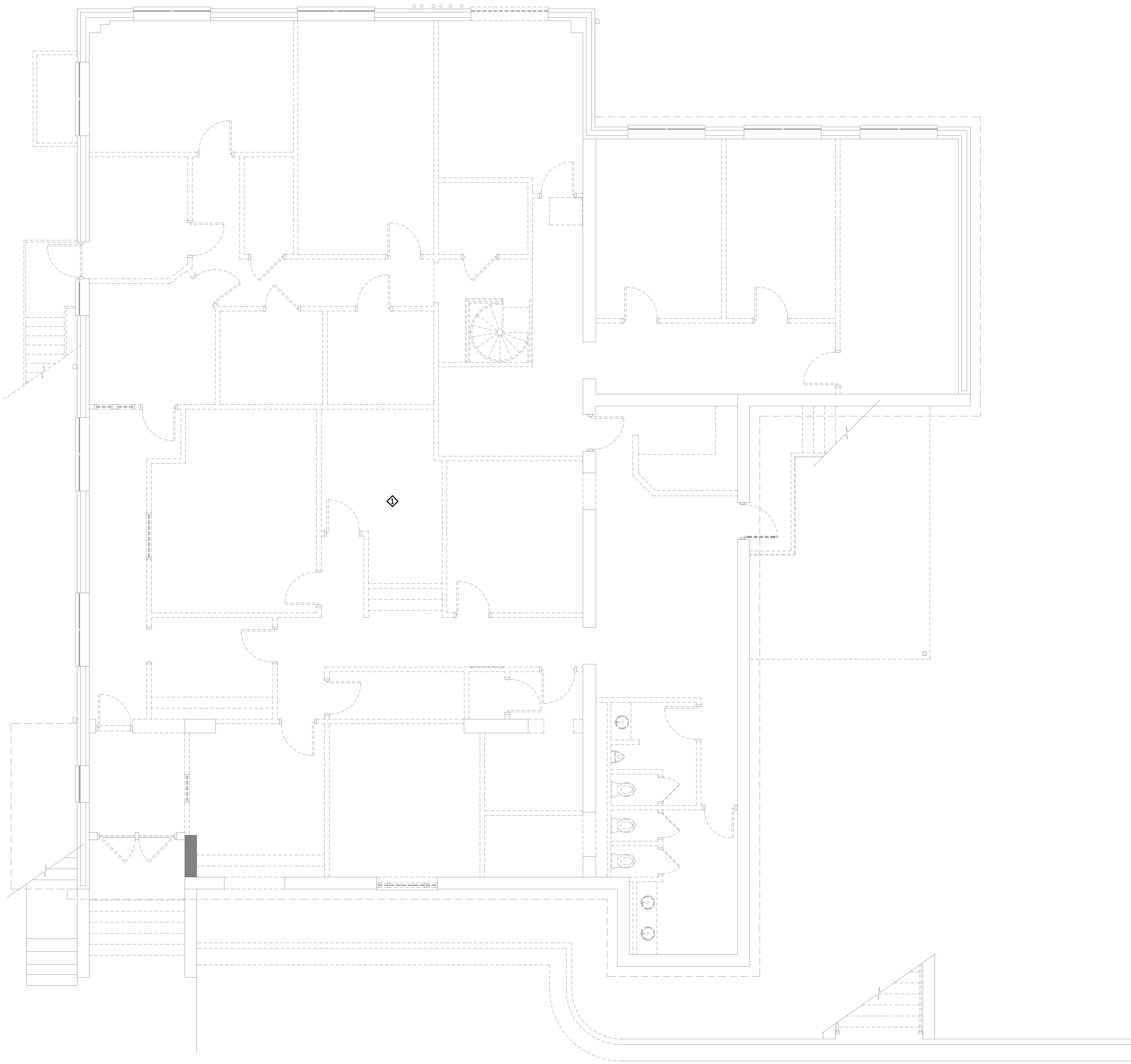
REVISION	DATE	DESCRIPTION

SHEET TITLE
LEVEL 1 MECHANICAL
DEMOLITION PLAN

JOB NUMBER
25-CC-01

DATE
08-01-2025

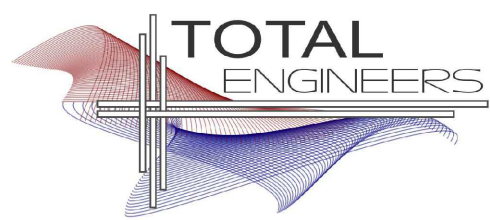
SHEET NUMBER
M-1.0



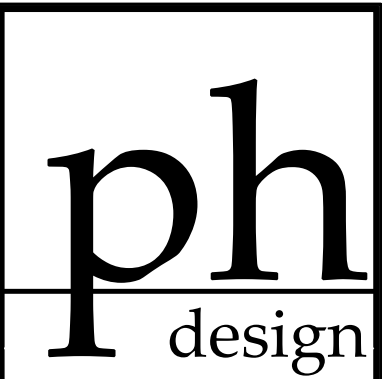
KEY NOTES(THIS SHEET ONLY):

◇ REMOVE ALL HVAC EQUIPMENT WITH ALL ITS DUCTWORK AND ACCESSORIES ON SECOND FLOOR.

1 LEVEL 2 DEMOLITION MECHANICAL PLAN
SCALE: 3/16"=1'-0"



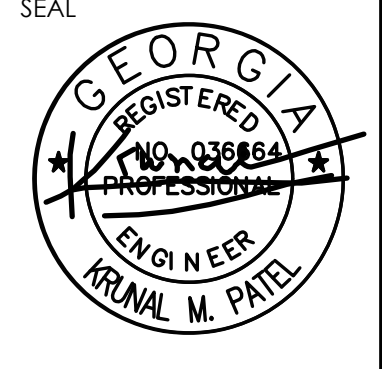
169 New Street, Macon, GA 31201
(478)741-4632 - T.E. project # 25-045
www.totalengineers.com
GA COA NO # PE009195 EXP: 06/30/2026



PARK + HIGGINS DESIGN, LLC
153 GATEWAY DRIVE, SUITE A, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com 478.972.9329
david.higgins@parkhigginsdesign.com 205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.

SEAL



RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

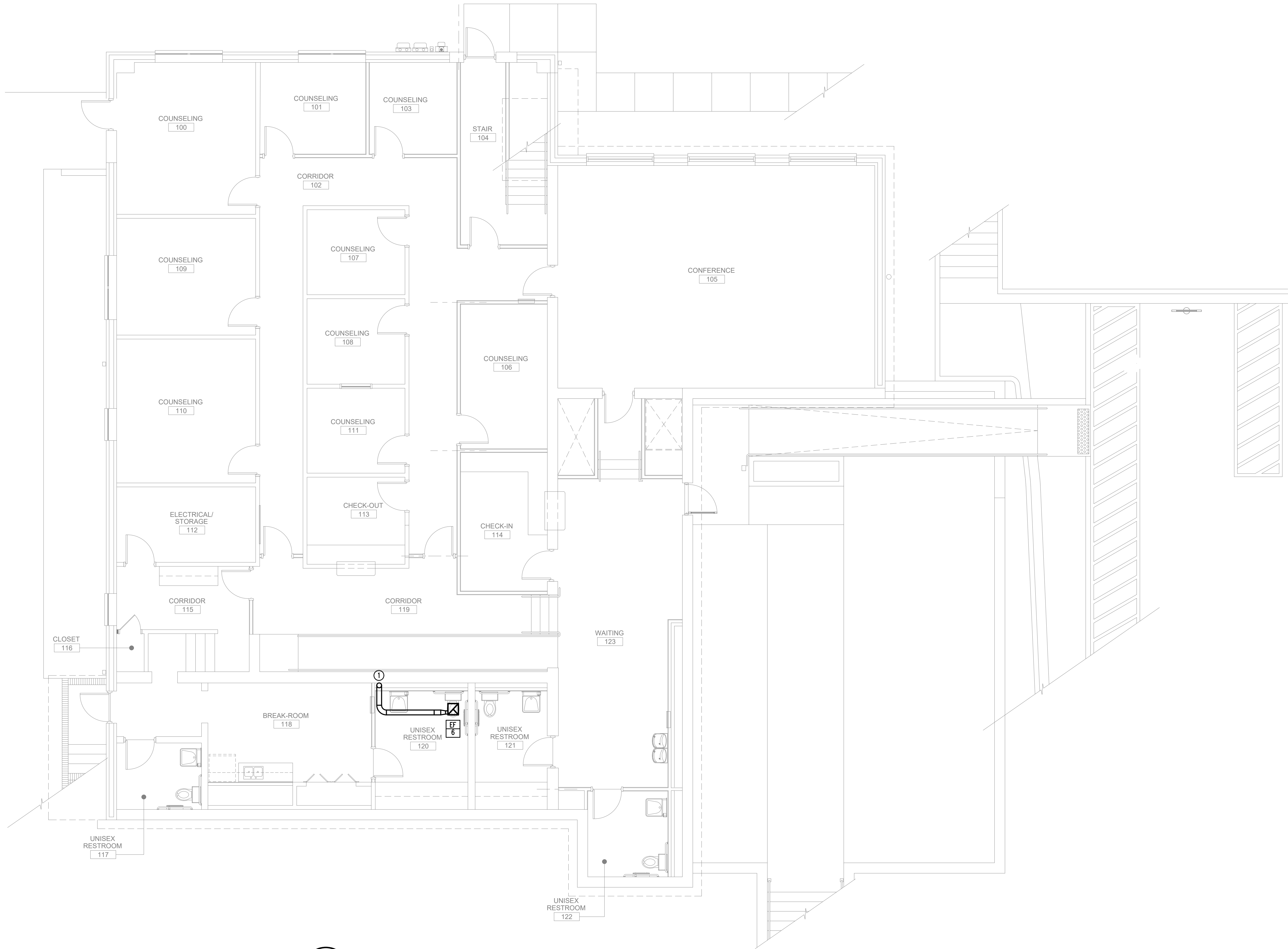
REVISION	DATE	DESCRIPTION

SHEET TITLE
LEVEL 2 MECHANICAL
DEMOLITION PLAN

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER
M-1.1



KEY NOTES (THIS SHEET ONLY):
① 6"Ø EXHAUST DUCT UP TO ROOF CAP.

1 LEVEL 1 MECHANICAL PLAN
SCALE: 3/16" = 1'-0"

REVISION	DATE	DESCRIPTION

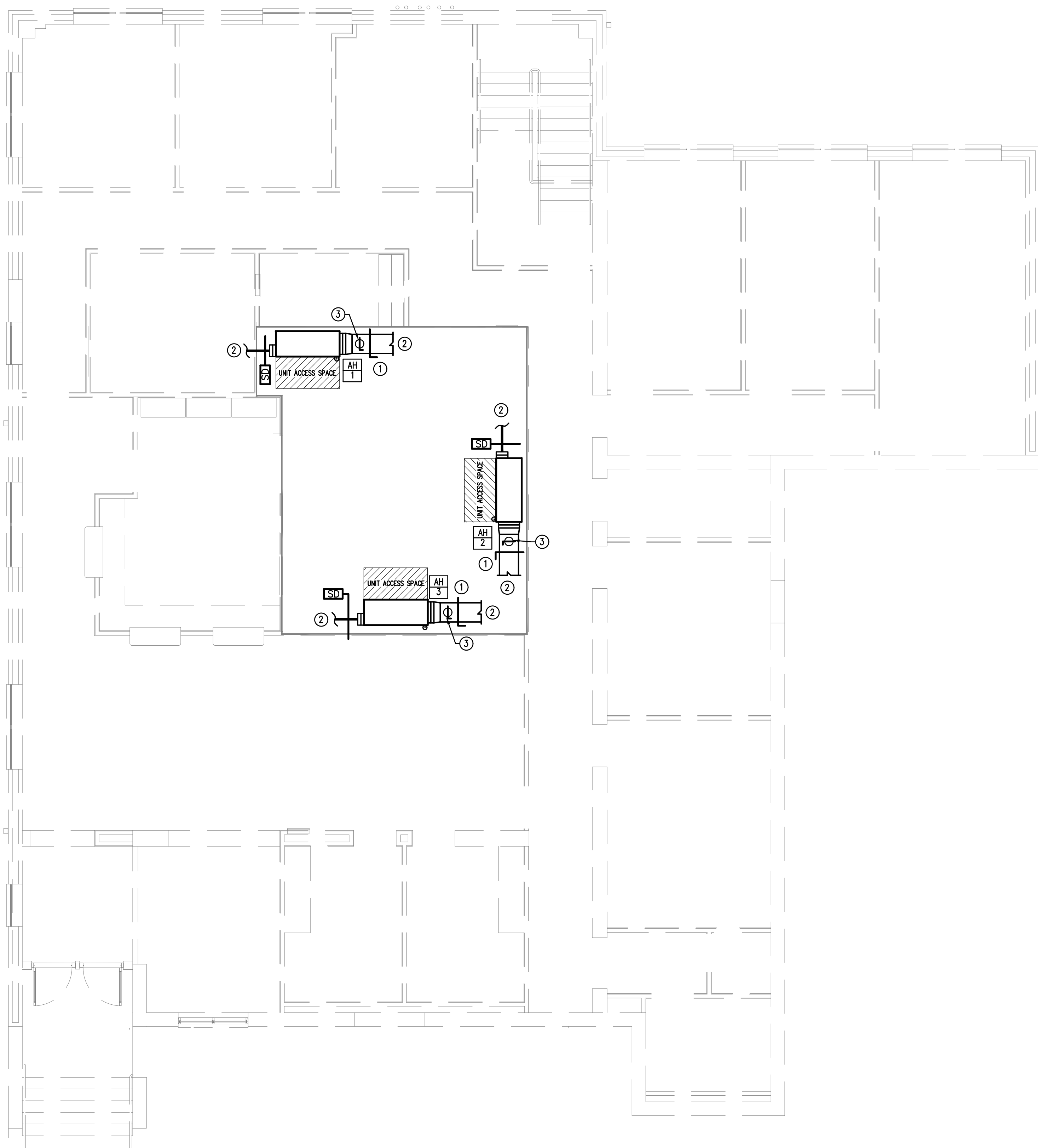
SHEET TITLE
LEVEL 1
MECHANICAL PLAN

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER
M-2.1

- KEY NOTES(THIS SHEET ONLY):
- ① RETURN AIR DAMPER.
 - ② SEE SHEET M2.2 FOR CONTINUATION.
 - ③ 10" DIAMETER OUTSIDE AIR DUCT TO VENTILATOR ON ROOF. VENTILATOR SHALL BE GREENHECK MODEL GR5I-10, SPUN ALUMINUM AIR RELIEF ROOF VENTILATOR. TYPICAL OF 3.



1 **MEZZANINE MECHANICAL PLAN**
SCALE: 3/16"=1'-0"

ph
design

PARK + HIGGINS DESIGN, LLC

153 GATEWAY DRIVE, SUITE A, MACON, GEORGIA 31210

brannen.park@parkhigginsdesign.com
478.972.9329

david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.

SEAL

GEORGIA

REGISTERED

PROFESSIONAL

ENGINEER

KRANAL M. PATEL

RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.

717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE

MEZZANINE
MECHANICAL PLAN

JOB NUMBER

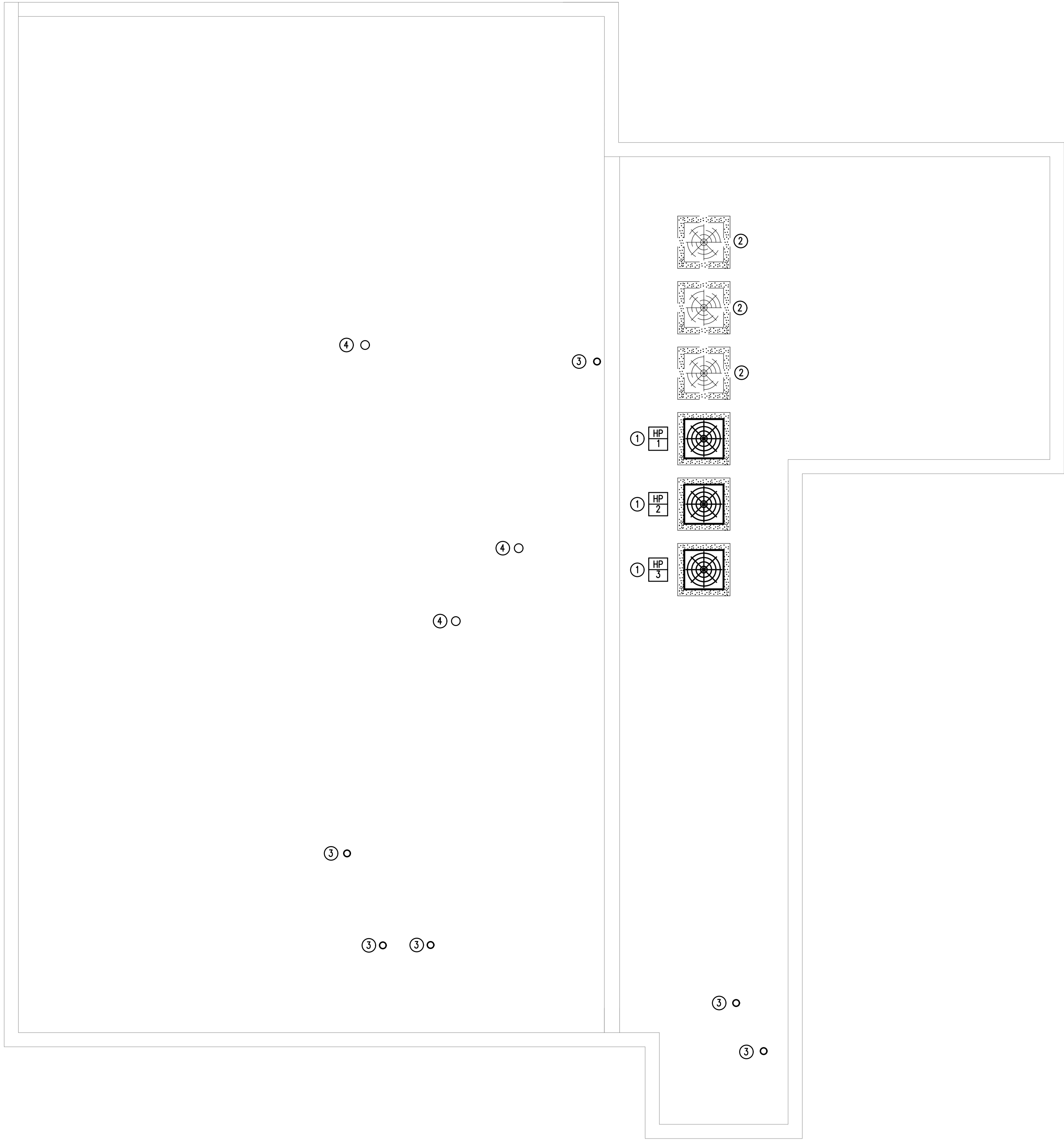
25-CC-01

DATE

08-01-2025

SHEET NUMBER

M-2.3



- KEY NOTES(THIS SHEET ONLY):
- ① ROUTE REFRIGERANT PIPES TO RESPECTIVE AIR-HANDLING UNIT INSIDE BUILDING. ROUTE AND SIZE PER MANUFACTURER'S INSTRUCTIONS.
 - ② EXISTING CONDENSING UNITS RELOCATED FROM GROUND LEVEL. REFER TO ARCHITECTUAL DRAWING A-100.
 - ③ 6" EXHAUST AIR ROOF CAP. PAINT TO MATCH ROOF.
 - ④ 8" OUTSIDE AIR ROOF CAP. PAINT TO MATCH ROOF.

1 **ROOF MECHANICAL PLAN**
SCALE: 3/16"=1'-0"

ph
design

PARK + HIGGINS DESIGN, LLC

153 GATEWAY DRIVE, SUITE A, MACON, GEORGIA 31210

brannen.park@parkhigginsdesign.com
478.972.9329

david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.

SEAL

GEORGIA

REGISTERED

PROFESSIONAL

ENGINEER

KRANAL M. PATEL

RENOVATIONS AND MODIFICATIONS FOR CROSSROADS CHRISTIAN COUNSELING CENTER, INC.

717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE

ROOF MECHANICAL PLAN

JOB NUMBER

25-CC-01

DATE

08-01-2025

SHEET NUMBER

M-2.4

PLUMBING SPECIFICATIONS

Provide all plumbing items indicated on the drawings, described herein or otherwise required for a complete and proper installation, including:

- A. Plumbing fixtures, fittings and equipment.
- B. Hot and cold water systems.
- C. Drain waste and vent piping systems.
- D. Indirect waste piping, including all valves, traps, piping and accessories for all equipment. Size per equipment requirements.

Comply with all applicable codes, standards and ordinances, including requirements of the Georgia State Minimum Standard Plumbing Code (2018 International Plumbing Code with all Georgia State Amendments), Georgia State Minimum Standard Gas Code (2018 International Gas Code with all Georgia State Amendments), Georgia State Minimum Standard Energy Code (2015 International Energy Conservation Code with all Georgia State supplements and Amendments), and the DOJ 2010 ADA Standards for Accessible Design with Georgia Amendments of Rule 120–3–20.

The contractor should not attempt to precisely scale dimensions from these drawings to obtain construction dimensions and clearance. The contractor shall verify all actual dimensions and clearances. Although these plans are diagrammatic in nature, they shall be followed as closely as site conditions, new construction, and work by other trades shall permit. Deviations from these drawings, which are required to conform to the available space or to actual building construction, shall be made at no additional cost to the owner.

The submission of a bid or proposal will be construed as evidence that the contractor has familiarized himself with the plans and building site. Claims made subsequent to the proposal for materials and/or labor due to difficulties encountered will not be recognized unless these difficulties could not have been foreseen, even though proper examination had been made.

Fabrication or ordering of any material or equipment prior to verification of site conditions shall be done at the contractor's risk.

All equipment and material shall be new and of first quality. Equipment and material shall be the same or equal to the basis of design listed on these drawings.

Coordinate with all trades and verify all equipment rough-in items and locations with the equipment supplier or contractor. All re-work and corrections required due to lack of coordination shall be the contractor's responsibility, and done at no cost to the owner.

Submit shop drawings and material data submittals to the engineer for approval before installation. No substitutions shall be allowed without prior approval by the engineer. Product data for piping, insulation, valves, specialties and all fixtures and equipment scheduled and specified here. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.

All equipment and flue materials shall be U.L. listed.

Installation shall comply with manufacturer requirements including all clearances recommended for proper operation of service. All serviceable parts shall be readily accessible.

Sanitary drain and vent piping shall be ASTM D2665 schedule 40 PVC with PVC Socket Fittings (ASTM D 2665, made to ASTM D 3311, drain, waste, and vent patterns and to fit Schedule 40 pipe). Slope pipe sizes 6" and under at 1/8 inch per foot continuously toward public sewer. Slope pipe sizes 8" and larger at 1/16 inch per foot continuously toward public sewer. All aboveground piping shall be adequately supported. Install underground PVC plastic drainage piping according to ASTM D3231. Install aboveground PVC piping according to ASTM D 2665. Cellular Core PVC (Foam Core PVC) not acceptable. Provide PVC IPEX type 1 expansion joints on alternating floors on horizontal sewer, storm, and vent risers over 30 feet tall.

Insulate all horizontal aboveground roof drainage piping with 1 inch flexible fiberglass insulation with FSK jacket.

Insulate aboveground floor drains, traps, and sanitary drain piping within 10 feet of drain receiving condensate and equipment drain water below 60" with 1" thick type I performed glass-fiber pipe insulation, 1-1/2" cellular glass, or 1" flexible electrometric.

All above ground domestic water distribution piping shall be ASTM D 2846, SDR11, schedule 40 CPVC with socket fittings. All piping shall be adequately supported. Disinfect all domestic water piping after installation. All underground domestic water distribution piping 1" and smaller shall be ASTM D 876 & ASTM F 877 PEX with no fittings underground. All underground domestic water distribution piping 1-1/4" and larger shall be ASTM D 1785 schedule 40 PVC with ASTM D 2466 PVC socket fittings.

DOMESTIC WATER PIPING CLEANING

- A. Clean and disinfect potable domestic water piping as follows:
 - 1. Purge new piping and parts of existing piping that have been altered, extended, or repaired before using.
 - 2. Use purging and disinfecting procedures prescribed by authorities having jurisdiction; if methods are not prescribed, use procedures described in either AWWA C651 or AWWA C652 or follow procedures described below:
 - a. Flush piping system with clean, potable water until dirty water does not appear at outlets.
 - b. Fill and isolate system according to either of the following:
 - 1) Fill system or part thereof with water/chlorine solution with at least 50 ppm (50 mg/L) of chlorine. Isolate with valves and allow to stand for 24 hours.
 - 2) Fill system or part thereof with water/chlorine solution with at least 200 ppm (200 mg/L) of chlorine. Isolate and allow to stand for three hours.
 - c. Flush system with clean, potable water until no chlorine is in water coming from system after the standing time.
 - d. Repeat procedures if biological examination shows contamination.
 - e. Submit water samples in sterile bottles to authorities having jurisdiction.
- B. Prepare and submit reports of purging and disinfecting activities. Include copies of water-sample approvals from authorities having jurisdiction.
- C. Clean interior of domestic water piping system; Remove dirt and debris as work progresses.

Domestic water piping shall be insulated with Owens Corning type ASI/SSL-II heavy density fiber glass with all service jacket. Insulation shall have a flame spread rating not to exceed 25 and a smoke density not to exceed 50 when tested in accordance with U.B.C. standard 42-1. Provide mastic on all joints and exposed ends of insulation. Insulate plastic Cold water piping in unconditioned spaces such as exterior corridors, attic, basements, etc with 1/2" thick insulation for piping 1-1/4" & smaller and 1" thick insulation for piping 1-1/2" & larger. Insulate all domestic Hot water supply and return piping with 1" thick insulation for piping 1-1/4" & smaller and 1-1/2" thick insulation for piping 1-1/2" & larger.

Insulation for piping downstream of apartment shut-off valve:
Insulate domestic Cold water piping in unconditioned spaces such as exterior corridors, attic, basements, etc with 3/4" flexible elastomeric. Insulate domestic Hot water piping that is 3/4" and larger, in unconditioned spaces, piping located under floor slab, or buried piping with 3/4" flexible elastomeric. Flexible Elastomeric Insulation shall be closed-cell, sponge- or expanded-rubber materials. Comply with ASTM C 534, Type I for tubular materials. Insulation shall have an estimated rating by manufacturer of R-3. Fit insulation tightly around hot water pipe, face seam down and secure insulation every 2 feet with wire, tape or clamp. Install insulation on all piping elbows to adequately insulate 90-degree bend.

HW & CW Valves: Use pipe size valves, as shown below:

- A. Ball: Spears CPVC True Union.
- B. Check: Spears CPVC True Union.

Domestic water valve Boxes: Comply with AWWA M44 for cast-iron valve boxes. Include top section, adjustable extension of length required for depth of burial of valve, plug with lettering "WATER," and bottom section with base that fits over valve and with a barrel approximately 5 inches in diameter. Operating Wrenches: Steel, tee-handle with one pointed end, stem of length to operate deepest buried valve, and socket matching valve operating nut.

Ball-Valve-Type Hose-End Drain Valves shall comply with MSS SP-110 for standard-port, two-piece ball valves. Copper alloy body, 3/4", 400-psig pressure rating, replaceable seats and seals, vinyl-covered steel handle, threaded short nipple outlet with garden-hose thread complying with ASME B1.20.7 and cap with brass chain.

Balancing valves shall confirmed to MSS SP-110 for two-piece, copper-alloy ball valves. Balancing valves shall be copper alloy, memory-stop type, chrome-plated brass ball, replaceable seats & seals, vinyl-covered steel handle with memory-setting device.

Fixture tailpieces, wall escutcheon, and traps for lavatories and sinks shall be brass tubing, semi-cast, or cast iron: All brass tubing shall be 17 gage, chrome plated. Exception: If the fixture tailpieces and traps are located in cabinets, the tailpiece & trap shall be PVC. Grid drains for public lavatories. Basket strainers for break room sinks.

Water ammer Arresters shall comply with standard ASSE 1010, metal bellows type or copper piston type.

Urinal Supports shall be type I, urinal carrier with fixture support plates and coupling with seal and fixture bolts and hardware matching fixture for wall-mounting, urinal-type fixture. Include steel uprights with feet. For accessible-fixture support include rectangular steel uprights. Lavatory Supports shall be type II, lavatory carrier with concealed arms and tie rod for wall-mounting, lavatory-type fixture. Include steel uprights with feet. For accessible-fixture support include rectangular steel uprights. Plate type wall hangers for water coolers. Water closet carrier shall be ASME A112.6.1M waste-fitting assembly, as required to match drainage piping material and arrangement with faceplates, couplings gaskets, and feet; bolts and hardware matching fixture. Include additional extension coupling, faceplate, and feet for installation in wide pipe space if required.

Thermometers shall comply with standard ASME B40.200.

Lavatory/ Sink supply fittings: NSF Standards: Comply with NSF/ANSI 61 Annex G, "Drinking Water System Components – Health Effects," for supply-fitting materials that will be in contact with potable water. Standard: ASME A112.18.1/CSA B125.1. Supply Stops: Chrome-plated-brass, one-quarter-turn, ball-type valve with inlet connection matching supply piping. Wheel handle operation. Risers: Chrome-plated, soft-copper flexible tube for exposed applications and ASME A112.18.6, braided- or corrugated-stainless-steel, flexible hose for conceal behind cabinet applications.

Provide ADA Supply and Drain Protective Shielding Guards on ADA fixtures that piping is exposed. Supply and Drain Protective Shielding Guards shall comply with ICC A117.1 and Americans with Disabilities Act (ADA) requirements. Manufactured plastic wraps shall cover hot and cold water supplies, trap, and drain piping.

All pipe hangers, clamps and channels shall be adequately sized to carry pipe loads and prevent sagging.

All other materials not specifically described but required for a complete and proper installation of work of this section, shall be new, first quality of their respective kinds, and as selected by the contractor subject to acceptance by the engineer.

Lay out the plumbing system in careful coordination with the drawings, determining proper elevations for all components of the system and using only the minimum number of bends to produce a satisfactorily functioning system. Follow the general layout shown on the drawings in all cases except where other work may interfere. Unless shown otherwise, lay out all pipes to fall within partition, wall floor, or roof cavities, and to not require furring other than as shown on the drawings.

Do not cut into or reduce the size of any load-carrying member without the prior approval of the architect. Install all pipes to clear all beams and obstructions.

Extend all plumbing vents above roof to parapet height.

Permanently close and make weatherproof any openings or penetrations of the building envelope made for plumbing systems. All wall and floor penetrations shall be sleeved. All exterior wall or foundation wall penetrations shall use a mechanical seal.

Coordinate all roof penetrations with architectural plans and building and roofing trades.

Provide shut-off balls valves and unions at all water connections to equipment and appliances.

Isolate all dissimilar metals with "EPOC" dielectric unions, except for brass or bronze valves with steel pipe.

Protect the potable water supply against backflow and siphonage from equipment, fixtures, etc., using approved backflow and anti-siphon devices.

Thoroughly clean all piping and equipment. Removing all dirt, rust, oil, and plaster.

Test Sanitary and storm drainage piping by plugging all openings and filling with water to a height equal to a 10 foot head. Allow to stand one hour or longer as required. Repair leaking joints and then re-test.

No work shall be covered until it has been inspected and accepted by the local authority.

Domestic water piping tests: Fill domestic water piping. Check components to determine that they are not air bound and that piping is full of water. Test for leaks and defects in new piping and parts of existing piping that have been altered, extended, or repaired. Leave new, altered, extended, or replaced domestic water piping uncovered and uncealed until it has been tested and approved. Expose work that was covered or concealed before it was tested. Cap and subject piping to static water pressure of 50 psig (345 kPa) above operating pressure, without exceeding pressure rating of piping system materials. Isolate test source and allow it to stand for four hours. Leaks and loss in test pressure constitute defects that must be repaired. Repair leaks and defects with new materials, and retest piping or portion thereof until satisfactory results are obtained.

The entire system shall be warranted for a period of one (1) year beginning with Owner's acceptance of the work. All labor and materials necessary to repair or replace the system, or portions thereof, during that time shall be warranted for a period of one (1) year from the repair or replacement.

Install piping in concealed locations, unless otherwise indicated and except in equipment rooms, and service areas. Install piping indicated to be exposed and piping in equipment rooms and service areas at right angles or parallel to building walls. Diagonal runs are prohibited unless specifically indicated otherwise. Install piping above accessible ceilings to allow sufficient space for ceiling panel removal. Install piping to permit valve servicing. Install piping at indicated slopes. Install piping free of sogs and bends. Install fittings for changes in direction and branch connections. Install piping to allow application of insulation. Select system components with pressure rating equal to or greater than system operating pressure. Install escutcheons for penetrations of walls, ceilings, and floors. Verify final equipment locations for roughing-in.

Confirm that millwork is constructed with adequate provision for the installation of counter top lavatories and sinks.

Seal fixtures to wall and floor surfaces with sealant, color to match fixture.

All vents thru roof (VTR) shall be offset a minimum of 10'-0" from all outside air intakes.

Provide Plastic Pipe Markers on all aboveground plumbing piping that Comply with ASME A13.1. Minimum information indicating flow direction arrow and identification of fluid being conveyed. Install labeling on pipe at intervals of not more than 20 feet and at least once in each room.

Provide a complete through penetration fire stopping assembly for fire resistance rated wall assemblies. The through penetration assembly must be listed by an approved third-party test agency (UL), and include the entire listed assembly with all notations. Refer to architectural drawings for fire wall locations.

Provide a backflow preventer at the water riser if backflow preventer is not shown on civil drawings.

Approved manufactures: (Items submitted shall be approved by architect and engineer. Architect and engineer reserve the right to reject any item substituted for basis of design item for any reason.)

China Fixtures: American Standard, Kohler, Toto, Zurn, Sloan
Faucets: Delta, T&S Brass, Chicago Faucets, Zurn, Kohler, Grohe, Moen, Speakman, Symmons
Supplies & Traps: Engineered Brass CO., McGuire, Charlotte Pipe, Brasscraft, IPS, Watts, Zurn
Floor Drains & Cleanouts: Zurn, Jay R Smith, Proset, Watts, Mifab, Wade, Josam, Sioux Chief, Oatey
Water Heaters: A.O. Smith, Lochinor, Bradford White, State, Rheem
Toilet Seats: Bemis, Centoc, Church Seats, Osonite, Baneke, Zurn, Mainline
Stainless Steel Sinks: Dayton, Elkay, Just, Kohler, Moen, Sterling, Franke
ADA Protective Shielding Pipe Covers: Engineered Brass, McGuire, Plumberex, TRUEBRO, Zurn, Oatey
Fixture Supports: MIFAB, Jay R. Smith, Wade, Watts, Zurn
Water Hammer Arresters: AMTROL, Josam, MIFAB, PPP, Sioux Chief, Jay R. Smith, Wade, Watts, Zurn
Outlet Boxes: Acorn, IPS, Oatey
CPVC Valves: American, NIBCO, Spears
Circulation Pumps: Armstrong, Bell & Gossett, Grundfos, TACO
Mop Sinks: Stern Williams, Acorn, Fiat

FIXTURE AND EQUIPMENT SCHEDULE									
#	FIXTURE TYPE	WASTE BELOW FLOOR	FIXTURE CONN.	WATER SUPPLY COLD	HOT	WATER FIX. CONN. COLD	HOT	MODEL NUMBER	
WC1	TANK TYPE ADA WATER CLOSET	3"	3"	1/2"		1/2"		AMERICAN STANDARD 215AA.104 WATER CLOSET. CENTOCO 500STSCSS SEAT	
WC2	TANK TYPE ADA WATER CLOSET -RIGHT HAND TRIP LEVER	3"	3"	1/2"		1/2"		AMERICAN STANDARD 215AA.105 WATER CLOSET. CENTOCO 500STSCSS SEAT	
WC3	TANK TYPE WATER CLOSET	3"	3"	1/2"		1/2"		AMERICAN STANDARD 215AA.104 WATER CLOSET. CENTOCO 500STSCSS SEAT	
LAV1	ADA DROP-IN LAVATORY	2"	1-1/4"	1/2"	1/2"	1/2"	1/2"	AMERICAN STANDARD 0475.020 LAVATORY. MOEN 8413F05 FAUCET.	
LAV2	ADA WALL-HUNG LAVATORY 0.5 GPM	2"	1-1/4"	1/2"	1/2"	1/2"	1/2"	AMERICAN STANDARD 0475.020 LAVATORY. MOEN 8413F05 FAUCET.	
SNK	BREAK ROOM SINK	2"	1-1/2"	1/2"	1/2"	1/2"	1/2"	ELKAY GE23321 SINK. MOEN 7594 FAUCET.	
EW	BI-LEVEL ADA ELECTRIC WATER COOLER W/ BOTTLE FILLER	2"	1-1/4"	1/2"		3/8"		ELKAY LZSTL8WSLK	
FD	FLOOR DRAIN WITH WATERLESS TRAP PRIMER	2"	2"					WATTS FD-190-PR-60 FLOOR DRAIN. RECTORSEAL "SURESEAL PLUS" WATERLESS TRAP PRIMER.	
FCO	FLOOR CLEANOUT	SEE DWGS	SEE DWGS					WATTS C012	
OB	ICE MAKER BOX WITH WATER HAMMER ARRESTOR			1/2"		1/2"		WATER TITE AB9701HA.	
MOP	MOLDED-STONE MOP SINK	3"	3"	1/2"	1/2"	1/2"	1/2"	FIAT MSB 2424, 830-AA SERVICE FAUCET WITH VACUUM BREAKER, 832-AA HOSE AND HOSE BRACKET, QDC-3XH DRAIN CONNECOTR,SILICON SEALANT, STAINLESS STEEL WALL GUARD & VINYL BUMP GAURD	

WATER HEATER & TANK SCHEDULE

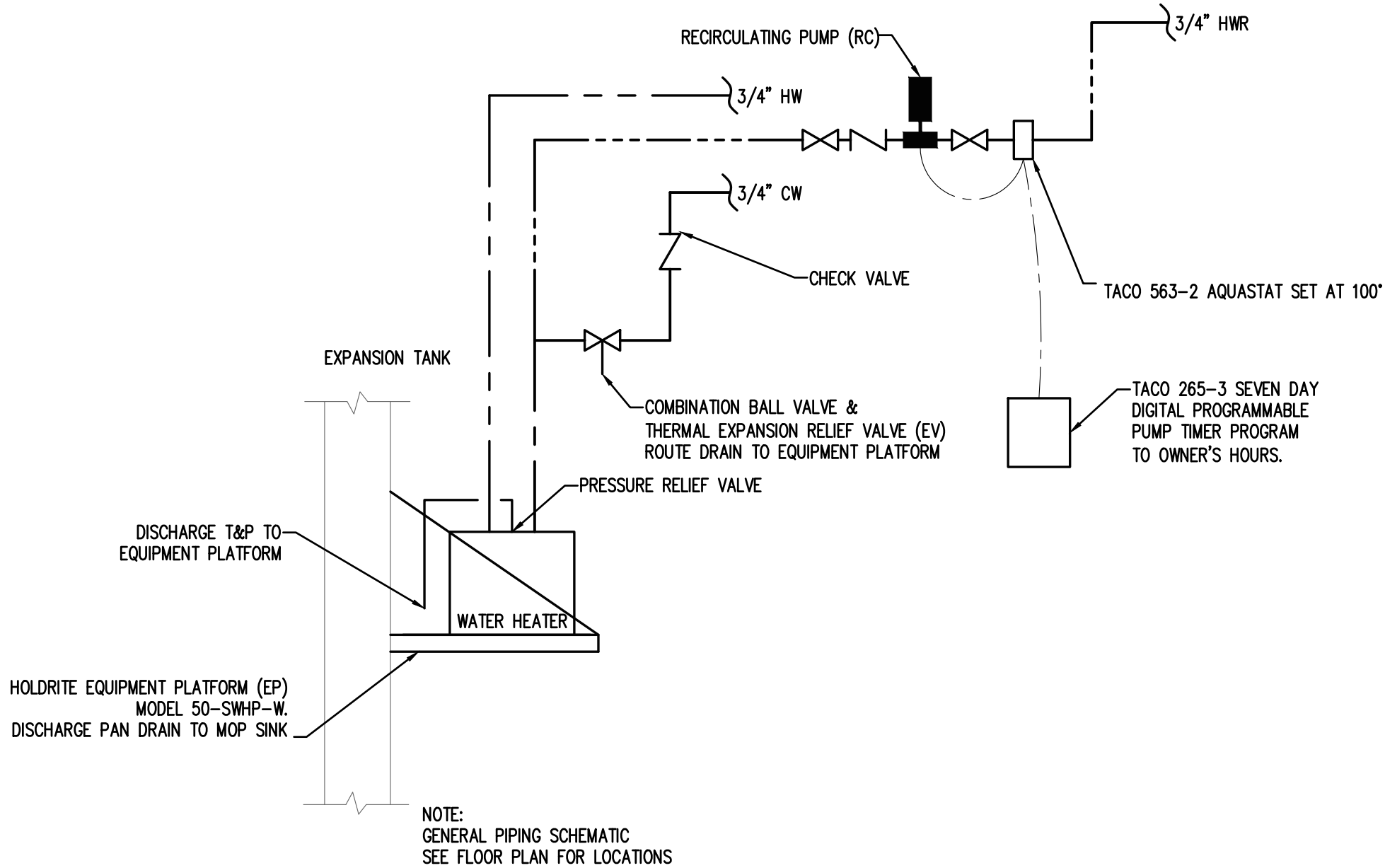
MARK	MANUFACTURER	MODEL NUMBER	TYPE	GPH @100' RISE	GALLON	KW	PHASE	VOLTAGE
WH	A.O. SMITH	ENLB-40	RESIDENTIAL LOWBOY ELECTRIC TANK TYPE	21	38	4.5	1	208
EV	WATTS	LFBRVM1	COMBINATION BALL VALVE AND RELIEF VALVE					

PUMP SCHEDULE

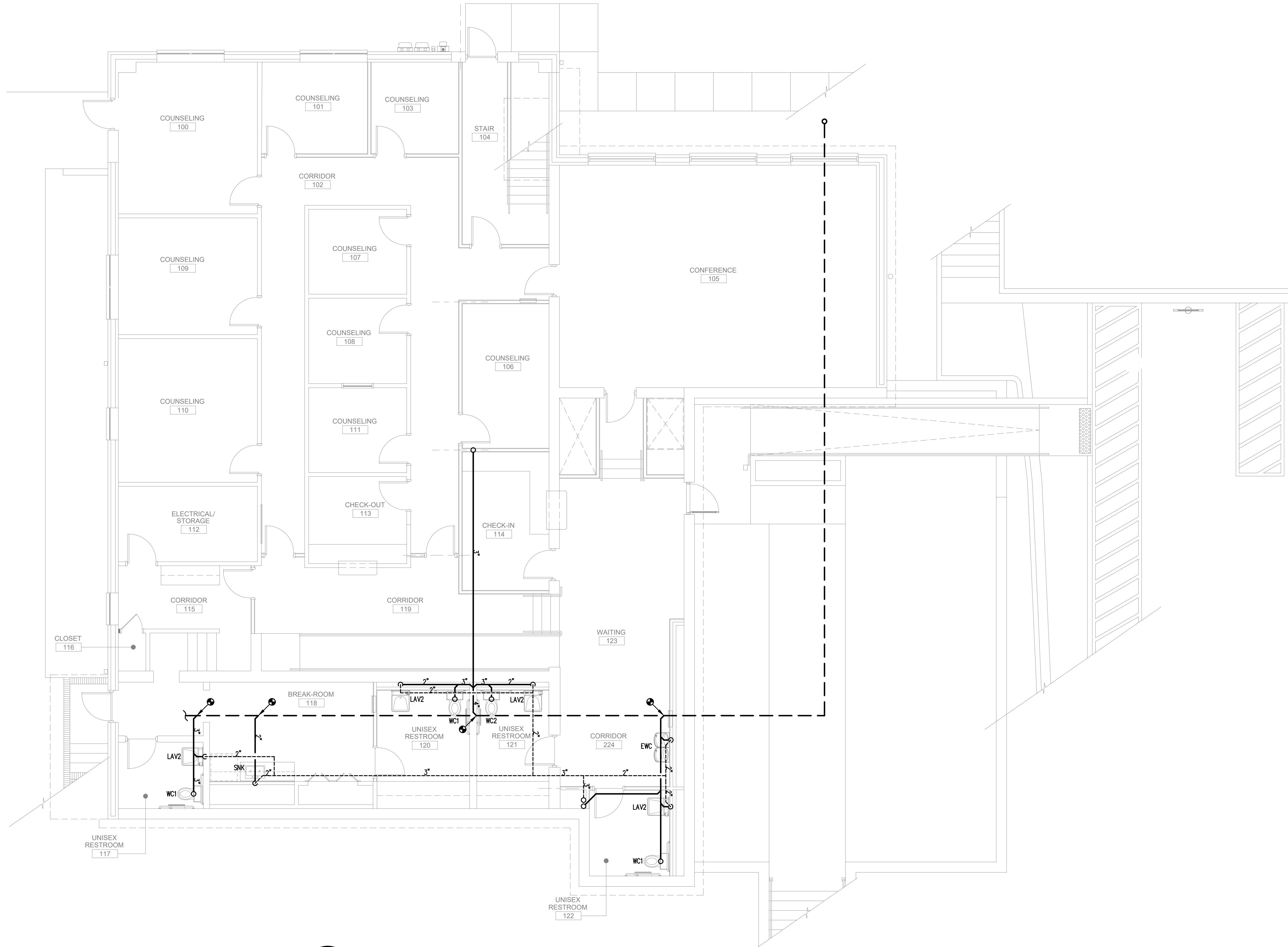
MARK	PUMP TYPE	BASIS OF DESIGN MANUFACTURER	MODEL NUMBER	RPM	WATTS	GPM	FEET HEAD	*ELECTRICAL VOLTS PHASE
RC	RECIRCULATING	TACO	00663	1140-3720	44	0.5	3.87	120 1

LEGEND

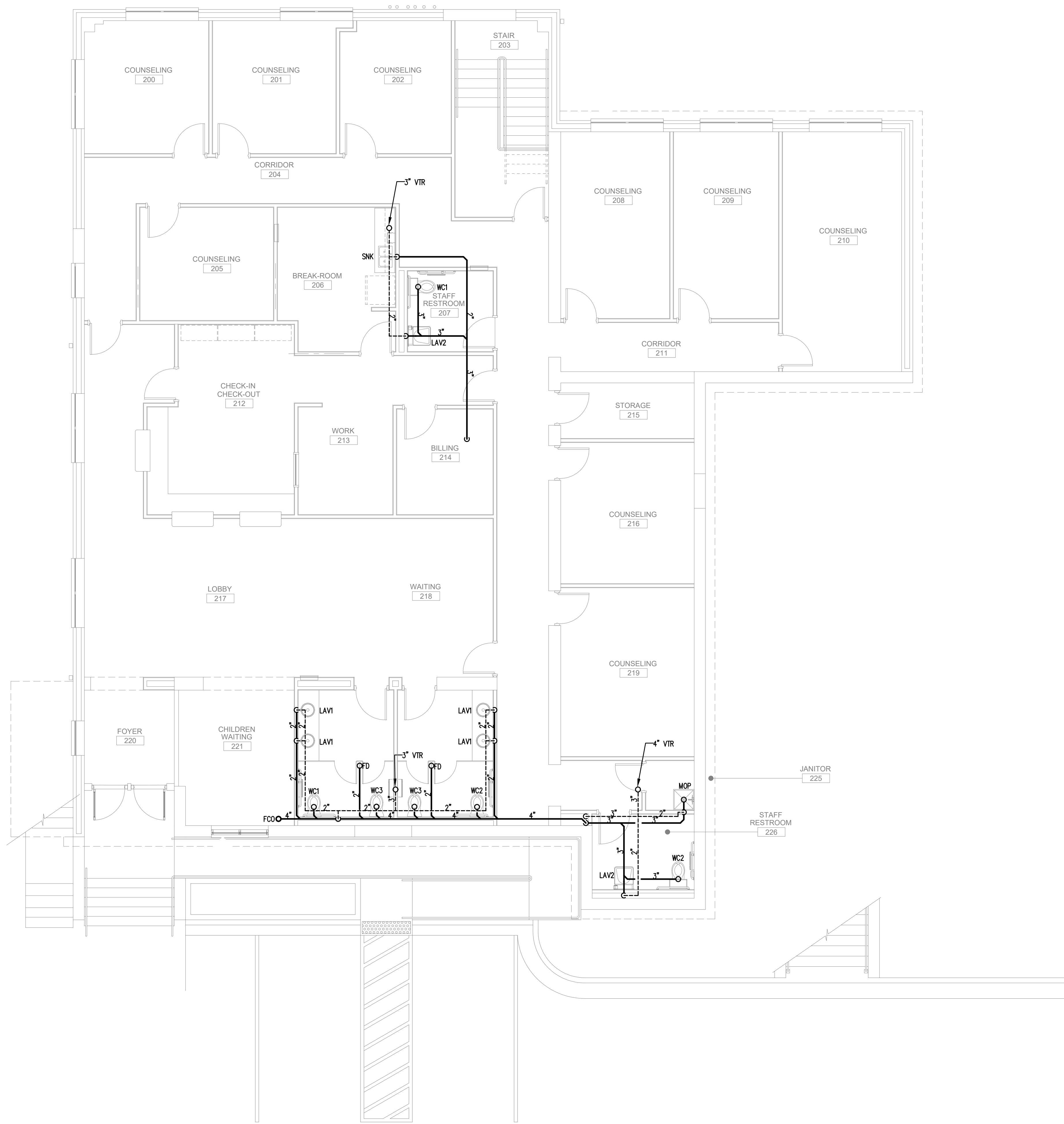
	SHUTOFF VALVE		COLD WATER	(TYP)	TYPICAL		VTR	VENT THRU ROOF
	CHECK VALVE		HOT WATER	C.T.	COUNTER-TOP		AFF	ABOVE FINISHED FLOOR
	PIPE UP		HOT WATER RETURN	DN	DOWN		CW	COLD WATER
	PIPE DOWN		GAS	CONN.	CONNECTION		HW	HOT WATER
	PDI UNIT WATER HAMMER ARRESTOR		GREASE	NTS	NOT TO SCALE		HWR	HOT WATER RETURN
	DWGS.		SEWER VENT	VT	VENT		B.F.F.	BELOW FINISH FLOOR
	COMPRESSED AIR		SEWER	FFE	FINISHED FLOOR ELEVATION		CV	CLOSED VALVE
	PRESSURE REDUCING/REGULATOR VALVE		FIRE SPRINKLER	FLR	FLR			
	DEMOLITION		EXISTING TO REMAIN		CONNECT TO EXISTING			



WATER HEATER (WH1) PIPING SCHEMATIC
SCALE: N.T.S.



1 LEVEL 1 PLUMBING PLAN - SEWER
SCALE: 3/16" = 1'-0"



1 LEVEL 2 PLUMBING PLAN - SEWER
SCALE: 3/16"=1'-0"

REVISION	DATE	DESCRIPTION

SHEET TITLE
LEVEL 2 PLUMBING
PLAN -SEWER

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER
P-1.1



THIS DRAWING IS THE PROPERTY OF PARK + BERGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR PRODUCED IN WHOLE OR IN PART, WITHOUT THE WRITTEN AGREEMENT AND APPROPRIATE COMPENSATION.

**CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.**
717 NORTH AVENUE
MACON, GEORGIA 31211

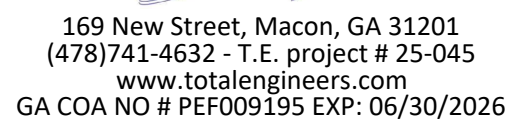
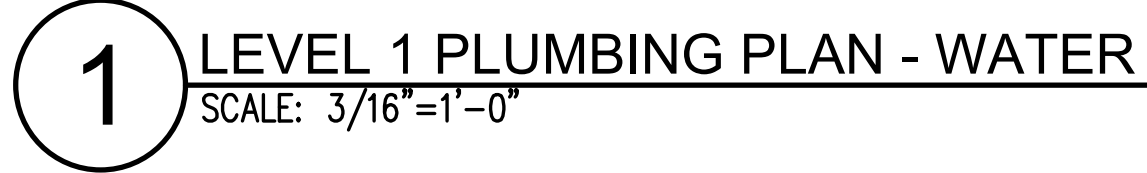
SHEET TITLE
LEVEL 1 PLUMBING
SAN -WATER

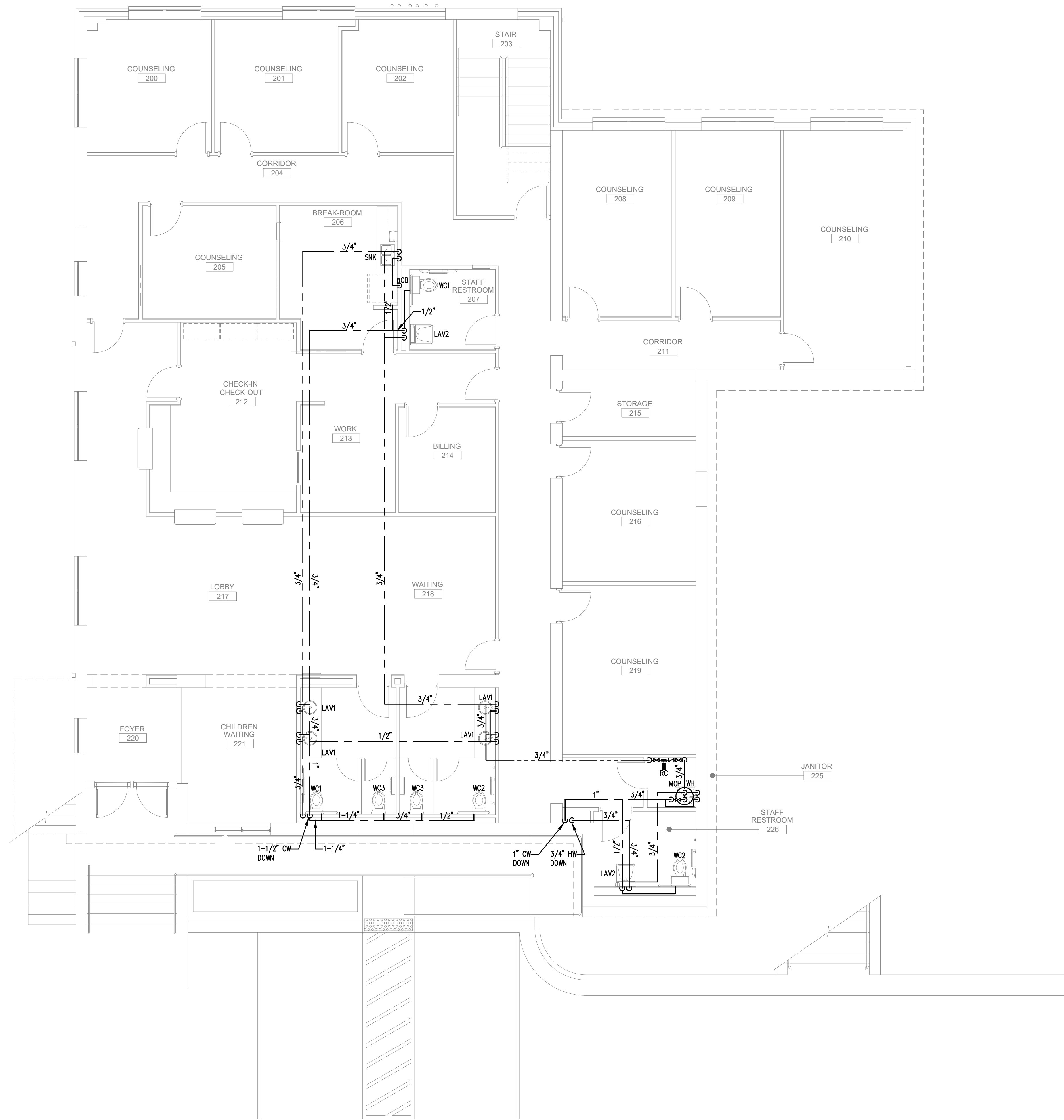
JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER

P-2.0





1 LEVEL 2 PLUMBING PLAN - WATER
SCALE: 3/16"=1'-0"

REVISION	DATE	DESCRIPTION

SHEET TITLE
LEVEL 2 PLUMBING
PLAN - WATER

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER
P-2.1

ELECTRICAL SPECIFICATIONS

DIVISION 26
ELECTRICAL

SECTION A: GENERAL ELECTRICAL REQUIREMENTS

1. THESE PLANS AND SPECIFICATIONS APPLY TO RENOVATIONS AND MODIFICATIONS FOR CROSSROADS CHRISTIAN COUNSELING CENTER, INC., MACON, GEORGIA, THE WORK DESCRIBED BY THESE PLANS AND SPECIFICATIONS APPLY TO THE INDICATED PROJECT AND MAY NOT BE MODIFIED OR REUSED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

2. ALL WORK SHALL BE PERFORMED BY LICENSED ELECTRICAL CONTRACTOR WITH MINIMUM OF TWO YEARS OF EXPERIENCE. LIST OF PREVIOUS JOBS AND REFERENCES SHALL BE MADE AVAILABLE UPON REQUEST. CONTRACTOR SHALL PROVIDE ADEQUATE INSURANCE FOR PERSONNEL AND SHALL REPAIR ANY DAMAGE OCCURRING AS THE RESULT OF THIS PROJECT SITE AND RELATED PROPERTY.

3. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER IN ACCORDANCE WITH THE 2023 NATIONAL ELECTRICAL CODE, LIFE SAFETY CODE NFPA 70E, ADA CODE, ALL ACCESSIBILITY CODES, STATE OF GEORGIA ENERGY CODE AND ALL OTHER APPLICABLE CODES AND ORDINANCES.

4. ALL PERMITS AND FEES SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.

5. ALL EQUIPMENT, MATERIAL, AND DEVICES SHALL BE LISTED OR RECOGNIZED BY UNDERWRITER'S LABORATORY OR ELECTRICAL TESTING LABORATORY AND USED AND INSTALLED IN ACCORDANCE WITH IT'S LISTING.

6. ALL WORK PERFORMED SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FROM THE THE FINAL COMPLETION DATE EXCEPT FOR FUSES AND LAMPS IN LIGHT FIXTURES. UPON OCCURRENCE OF A PROBLEM, THE CONTRACTOR SHALL INVESTIGATE THE PROBLEM WITHIN 48 HOURS UNLESS A DIFFERENT TIME PERIOD IS AGREED TO. THE CONTRACTOR SHALL INVESTIGATE, REPAIR OR REPLACE ALL FAULTY EQUIPMENT WITHIN A REASONABLE TIME PERIOD WITHOUT CHARGE TO THE OWNER.

7. THE TERM "PROVIDE" SHALL BE UNDERSTOOD TO MEAN, OBTAIN THE ITEM DESCRIBED , INSTALL ITEM IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS , AND MANUFACTURER'S RECOMMENDATIONS.

8. ALL PENETRATIONS MADE IN FIRE RATED BUILDING PORTIONS SHALL BE SEALED WITH A LISTED RESISTANT MATERIAL SUITABLE FOR THE APPLICATION.

9. ALL INSTALLATIONS OF ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.

10. PLANS ARE DIAGRAMATIC AND SHOW THE LOCATION OF THE EQUIPMENT, RACEWAY AND FIXTURES, AND ARE NOT TO BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED AT THE BUILDING SITE.

11. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EQUIPMENT AND DEVICE LOCATIONS WITH OWNER'S PROJECT MANAGER PRIOR TO INSTALLATION.

12. EQUIPMENT, POWER SUPPLY AND WIRING REQUIREMENTS: THE CONTRACTOR SHALL SUBMIT FOR REVIEW A TABULATED SHEET OF EQUIPMENT POWER SUPPLY AND WIRING REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT REQUIRING POWER AS SPECIFIED IN DIVISION 23. REQUIREMENTS SHALL BE IDENTIFIED BY HORSEPOWER OR KW, OPERATING AMPERAGE, REQUIRED VOLTAGE AND PHASE REQUIREMENTS, AND MANUFACTURERS SUGGESTED OVERCURRENT CIRCUIT PROTECTION DEVICE SIZE AND MINIMUM CIRCUIT AMPACITY SIZE. WHERE THE ELECTRICAL REQUIREMENTS SUBMITTED FOR MECHANICAL EQUIPMENT DIFFERS FROM THE BRANCH CIRCUITRY SHOWN ON THE ELECTRICAL DRAWINGS (WHEN USING THE BASIC SUPPLY UNIT LISTED IN THE MECHANICAL SCHEDULES/SPECIFICATIONS OR A SIMILAR UNIT OF THE SAME SIZE FROM LISTED ALTERNATE MANUFACTURERS), THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS TO THE BRANCH CIRCUITRY PER THE CURRENT NEC AT NO ADDITIONAL COST TO THE OWNER. WHEN CHANGES ARE MADE TO POWER REQUIREMENTS FOR EQUIPMENT DUE TO OWNER/ARCHITECT/ENGINEER APPROVED VALUE ENGINEERING CHANGES TO EQUIPMENT, THE COST MUST BE INCLUDED IN THE VALUE ENGINEERING OVERALL CHANGE ORDER COST. COSTS DUE TO ADJUSTMENTS IN BRANCH CIRCUITRY TO EQUIPMENT DUE TO VALUE ENGINEERING CHANGES WILL NOT BE ALLOWED AFTER THE OVERALL VALUE ENGINEERING CHANGE ORDER HAS BEEN APPROVED. IN ALL CASES, POWER WIRING REQUIREMENTS FOR MECHANICAL EQUIPMENT MUST BE PROVIDED TO THE ENGINEER BEFORE OR AT THE SAME TIME AS THE SHOP DRAWINGS FOR THE ELECTRICAL DISTRIBUTION GEAR OR EQUIPMENT. IN NO CASE SHALL THE ELECTRICAL DISTRIBUTION GEAR OR EQUIPMENT BE ORDERED OR BRANCH CIRCUITRY ROUGHED IN PRIOR TO ENGINEER REVIEW AND COMMENT ON THIS DOCUMENT. ANY EQUIPMENT ORDERED OR BRANCH CIRCUITRY ROUGHED IN ON THE JOBSITE WITHOUT THIS REVIEW AND COMMENT WILL BE TOTALLY AT THE CONTRACTORS RISK.

SECTION B: BASIC MATERIALS

1. ALL CONDUCTORS USED FOR 600 VOLTS OR LESS SHALL BE HIGH GRADE COPPER CONDUCTORS WITH 75 DEGREE C, THHN OR THWN THERMOPLASTIC INSULATION. ALL CONDUCTORS SHALL BE MADE IN THE USA. ALL CONDUCTORS ROUTED IN UNDERGROUND CONDUIT SHALL HAVE WET LISTED CONDUIT.

2. ALL INTERIOR 120 VOLT, 20 AMP POWER AND LIGHTING WIRING SHALL BE INSTALLED IN "MC" CABLE (IF NOT EXPOSED) FOR ALL INTERIOR CIRCUITS UNLESS OTHERWISE NOTED. POWER CIRCUITS FOR HVAC EQUIPMENT SHALL BE IN ELECTRICAL METALIC CONDUIT. ALL CONDUIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE. IT SHALL NOT BE SUPPORTED FROM DUCTWORK, PIPING, CEILING GRID OR CEILING GRID SUPPORTS, OR ANY OTHER NON-STRUCTURAL ITEM. CONDUIT SHALL BE SUPPORTED IN ACCORDANCE WITH THE NEC. CONDUIT IN EXPOSED STRUCTURE AREAS SHALL BE EMT. GALVANIZED RIGID STEEL CONDUIT SHALL BE USED IN AREAS WHERE IT WILL BE EXPOSED TO PHYSICAL DAMAGE. ALL 20A BRANCH CIRCUITS LONGER THAN 80FTSHALL BE #10.

3. CONDUIT UNDERGROUND SHALL BE SCHEDULE 40 PVC. IF MORE THAN ONE CONDUIT IS PROVIDED IN A SINGLE TRENCH, THE CONDUIT SHALL BE RACKED WITH SPACERS EVERY FOUR FEET TO MAINTAIN A MINIMUM SPACING BETWEEN CONDUIT OF TWO INCHES. BACKFILL USED FOR UNDERGROUND INSTALLATIONS SHALL BE FREE OF FOREIGN MATTER, WHERE EXPOSED TO WEATHER, CONDUIT SHALL BE GALVANIZED RIGID STEEL OR INTERMEDIATE METALLIC CONDUIT. THE CONDUIT SHALL BE TERMINATED WITH LISTED FITTINGS AND ALL CONDUIT ENDS SHALL BE REAMED AND SMOOTH. ALL CONDUIT ENDS IN BOXES SHALL BE PROVIDED WITH INSULATED BUSHINGS.

4. A #12 INSULATED COPPER GROUND CONDUCTOR SHALL BE INCLUDED IN ALL BRANCH CIRCUITS RATED 20 AMPERES. ALL OTHER CIRCUITS AND FEEDERS WILL BE PROVIDED WITH AN INSULATED COPPER CONDUCTOR SIZED AS NOTED OR IN ACCORDANCE WITH THE NEC, WHICHEVER IS GREATER.

5. THE MINIMUM SIZE OF ALL CONDUCTORS NOT OTHERWISE INDICATED IS #12 AND THE MINIMUM SIZE OF ALL CONDUIT UNLESS OTHERWISE INDICATED IS 1/2 IN.

6. ALL JUNCTION BOXES SHALL BE PROVIDED WITH COVERS AND ALL UNUSED OPENINGS SHALL BE PLUGGED. ALL JUNCTION BOXES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE. COVERS OF BOXES SHALL BE LABELED WITH THE CIRCUIT NUMBER WITH A BLACK PERMANENT MARKER IN 3/4 IN. HIGH LETTERS (LEGIBLE HANDWRITTEN LETTERING IS ACCEPTABLE).

7. ALL OUTLET BOXES SHALL BE SQUARE METAL BOXES. PROVIDE PLASTER RINGS FOR ALL OUTLET BOXES CONTAINING DEVICES TO PROVIDE A FIRM MOUNTING SUPPORT FOR THE DEVICE.

8. ALL CONVENIENCE RECEPTACLES SHALL BE SPECIFICATION GRADE 20 AMP RECEPTACLES, OWNER TO SELECT COLOR.

9. ALL LIGHT SWITCHES SHALL BE SPECIFICATION GRADE 20 AMP TOGGLE SWITCHES FULL LOAD RATED FOR TUNGSTEN-HALOGEN LAMPS, OWNER TO SELECT COLOR.

10. PROVIDE FACEPLATES FOR ALL RECEPTACLES AND SWITCHES. COORDINATE STYLE AND COLOR WITH OWNER'S PROJECT MANAGER.

11. PROVIDE BETWEEN 12 AND 24 INCHES OF LIQUID TIGHT FLEXIBLE CONDUIT BETWEEN RIGID CONDUIT AND ANY EQUIPMENT CONTAINING MOTORS. THE FLEXIBLE CONDUIT SHALL BE SUPPORTED TO PREVENT THE CONDUIT FROM RESTING ON THE GROUND OR CONCRETE PAD.

12. PROVIDE WEATHERPROOF RECEPTACLE WITHIN 25 FEET OF EACH PIECE OF EXTERIOR EQUIPMENT. THIS RECEPTACLE SHALL BE MOUNTED HORIZONTALLY WITH METAL HINGED "IN USE" COVER MOUNTED TO OPEN UP. THIS OUTLET SHALL BE A GFCI RECEPTACLE. THIS RECEPTACLE SHALL BE BE MOUNTED IN DIE CAST NON CORRODING METAL BOX.

13. WHEN OUTLETS OR BOXES ARE INDICATED INSTALLED ON OPPOSITE SIDES OF THE SAME WALL. THE CONTRACTOR SHALL ADJUST THE LOCATION TO OFFSET THE OUTLETS WITH A WALL STUD PROVIDING SEPERATION.

SECTION C: DISTRIBUTION EQUIPMENT

1. CONTRACTOR SHALL PROVIDE CONDUCTORS AND CONDUIT FOR ALL FEEDERS IN ACCORDANCE WITH THE PLANS.

2. SEPERATELY MOUNTED CIRCUIT BREAKERS SHALL BE MOUNTED IN NEMA TYPE I ENCLOSURES IN INDOOR APPLICATIONS AND IN NEMA 3R ENCLOSURES IN EXTERIOR OR WET LOCATIONS. ALL CIRCUIT BREAKER ENCLOSURES SHALL BE PROVIDED WITH HINGED COVERS AND PROVISIONS FOR PADLOCKING THE COVERS.

3. ALL EQUIPMENT CONTAINING MOTORS SHALL BE PROVIDED WITH A DISCONNECTING MEANS WITHIN TEN FEET OF THE UNIT UNLESS OTHERWISE NOTED. THIS DISCONNECTING MEANS SHALL AS A MINIMUM BE A NON-FUSED SWITCH OR TOGGLE SWITCH SIZED TO MATCH THE EQUIPMENT. PROVIDE OTHER DEVICES AS NOTED ON THE PLANS. PROVIDE NEMA TYPE I ENCLOSURES INDOORS AND NEMA 3R OUTDOORS.

4. PROVIDE GFCI CIRCUIT BREAKERS AND RECEPTACLES AS INDICATED ON THE PLANS AND IN THESE SPECIFICATIONS. THESE DEVICES SHALL BE CLASS A GFCI DEVICES.

5. PROVIDE PANELS AS SCHEDULED ON PLANS. CIRCUIT BREAKERS SHALL BE THERMAL-MAGNETIC BREAKERS WITH A MINIMUM INTERRUPTING RATING OF 10,000 AIC FOR 120/208V OR AS INDICATED ON THE PLANS. BREAKERS SHALL HAVE 65/75 DEGREE C RATED TERMINATIONS. PANEL NOTED SHALL BE SERVICE ENTRANCE RATED. MOUNT PANELS WITH TOP OF PANEL 6 FT. ABOVE FLOOR. PROVIDE 3/4 IN. GREY PAINTED PLYWOOD BACKBOARD FOR ALL PANELS SECURED TO WALL WITH 1/4 IN. TOGGLE BOLTS. PANEL MANUFACTURERS: SQUARE D, GE, SIEMENS, AND CUTLER HAMMER. ALL CURRENT CARRYING PARTS SHALL BE COPPER.

6. SYSTEM COORDINATION: THE MANUFACTURER OF THE PANELBOARDS SHALL PROVIDE SERIES RATED EQUIPMENT BASED ON U.L. LISTED TEST RESULTS. THE CONTRACTOR SHALL VERIFY THE AVAILABLE SHORT CIRCUIT CURRENT AT THE SERVING TRANSFORMER.

7. PROVIDE EACH PANELBOARD WITH A TYPEWRITTEN CIRCUIT BREAKER DIRECTORY CARD INSIDE A PLASTIC COVERING EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE. THE IDENTIFICATION SHALL INCLUDE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. THE DIRECTORY AND COVERING SHALL BE LOCATED INSIDE A STEEL FRAME PROVIDED INSIDE THE DOOR OF EACH PANELBOARD. THE DIRECTORY SHALL BE TYPED TO IDENTIFY THE LOAD FED BY EACH CIRCUIT BREAKER AND THE AREAS SERVED.

8. PROVIDE NAMEPLATES FOR ALL PANELBOARDS, DISCONNECT SWITCHES, ENCLOSED CIRCUIT BRAKERS, COMBINATION STARTERS, CONTACTORS, AND ALL OTHER ELECTRICAL DISTRIBUTION EQUIPMENT PANELS. MOUNT NAMEPLATES ON EXTERIOR OF THE DOOR OF ALL SURFACE MOUNTED PANELS AND EQUIPMENT. NAME PLATES SHALL BE LAMINATED PLASTIC PLATES WITH 3/16 IN. HIGH WHITE LETTERS ETCHED ON BLACK BACKGROUND. NAME PLATES SHALL BE INSTALLED PARALLEL TO EQUIPMENT LINES. THE NAME OR USAGE OF EACH DEVICE OR BRANCH CIRCUIT SHALL BE ETCHED IN THE NAMEPLATE. CONTRACTOR TO COORDINATE EXACT EQUIPMENT IDENTIFICATION WITH THE OWNER. SECURE NAMEPLATES VIA EPOXY GLUE.

SECTION D: LIGHTING

1. TYPES AND SPECIFIC REQUIREMENTS ARE PROVIDED ON THE LIGHTING FIXTURE SCHEDULE ON THE PLANS. ALL LIGHT FIXTURES SHALL BE PROVIDED WITH LAMPS, DRIVERS, BALLASTS, AND FULLY FUNCTIONING AT 100% OF DIMMING CAPABILITY.

2. ALL LED FIXTURES SHALL BE U.L. LISTED AND HAVE A MINIMUM OF 5 YEAR ON-SITE REPLACEMENT WARRANTY FOR DEFECTIVE OR NON-STARTING LED SOURCE ASSEMBLIES, DRIVERS, AND FOR LUMINAIRES EXHIBITING INADEQUATE LUMEN OUTPUT. IT SHALL COVER MATERIAL, FIXTURE FINISH, WORKMANSHIP, AND SHIPPING. ON-SITE REPLACEMENT SHALL INCLUDE TRANSPORTATION, REMOVAL, AND INSTALLATION OF NEW FIXTURE.

3. RATED LUMINAIRE WATTAGE SHALL BE ACTUAL, ACCOUNTING FOR ANY REDUCTION IN EFFICIENCY DUE TO SUB-OPTIMAL LOADING OF DRIVERS.

4. DRIVERS SHALL BE CAPABLE OF ACCEPTING THE VOLTAGE INDICATED ON THE LIGHTING FIXTURE SCHEDULE AND CAPABLE OF DIMMING IF DIMMING IS FUNCTIONING AT 100%.

5. ALL LED FIXTURES SHALL BE TESTED TO IES LM-79 AND IES LM-80 STANDARDS. OUTDOOR FIXTURES SHALL BE IP65 RATED. LED'S, DRIVERS AND ALL COMPONENTS SHALL HAVE A SYSTEM LIFE TIME OF 10,000 HOURS OR MORE AT 25 DEGREES CELSIUS AND SHALL MAINTAIN A MINIMUM OF 85% OF INITIAL LUMEN OUTPUT AFTER 55,000 HOURS OF OPERATION. LED'S SHALL HAVE COLOR RENDERING INDEX (CRI) OF 80 OR GREATER.

6. ALL SURFACE MOUNTED FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE. ALL CEILING MOUNTED FIXTURES SHALL BE SUPPORTED FROM STRUCTURE AND BRACED TO PREVENT MOVEMENT IF IMPACTED.

7. ALL RECESSED FIXTURES IN LAY IN TYPE CEILINGS SHALL BE PROVIDED WITH GRID CLIPS TO FASTEN FIRMLY TO CEILING SUPPORT GRID. THE CEILING GRID SHALL BE SUPPORTED AT EACH CORNER OF A FIXTURE.

8. CONNECTION TO ALL FIXTURES IN LAYIN CEILING SHALL BE BY FLEXIBLE CONDUIT OF FOUR TO SIX FEET IN LENGTH. A GROUND CONDUCTOR WILL BE INCLUDED WITH THIS CONNECTION.

9. ALL LENSES ON FIXTURES SHALL BE 0.125 INCH THICK MINIMUM. ALL HOUSINGS SHALL BE 22 GAUGE STEEL MIN. AND HAVE A POST FABRICATION HIGH REFLECTIVE WHITE FINISH.

SECTION E: TELEPHONE/DATA SYSTEMS (RACEWAY ONLY)

WORK INCLUDED:

1. PROVIDE IN. EMT FROM EACH OUTLET TO ABOVE 12 INCHES ABOVE ACCESSIBLE CEILING. PROVIDE 4 IN. SQUARE BACKBOX WITH SINGLE GANG PLASTER RING FOR EACH TV/ TELEPHONE/DATA OUTLET. ALL CONDUIT SHALL BE CONCEALED, PROVIDE FACEPLATE WITH MODULAR JACKS. PROVIDE PULL STRING IN ALL EMPTY CONDUITS.

SECTION F: FIRE ALARM SYSTEM

1. ACCEPTABLE MANUFACTURERS: NOTIFIER, FIRE LITE, EDWARDS, SIMPLEX, OR SILENT KNIGHT.

2. PROVIDE A COMPLETE OPERABLE FIRE ALARM SYSTEM FOR THIS PROJECT. THE MAIN PANEL SHALL BE LOCATED AS SHOWN. THE FIRE ALARM SYSTEM SHALL BE DESIGNED FOR CLASS B OPERATION. THE WIRING FOR THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN 1/2 IN. ELECTRICAL METALLIC TUBING. PROVIDE INSULATED FITTINGS ON ALL CONDUIT ENDS. THE FIRE ALARM SHALL BE MADE IN THE USA AND BE UL LISTED. ALL WIRING AND DEVICES FOR THE SYSTEM SHALL BE SUPERVISED. COLOR CODE THE CONDUIT EVERY 24 IN. WITH RED MARKINGS (EXCEPT WHERE EXPOSED).

3. THE MAIN PANEL SHALL HAVE A BATTERY BACKUP AND BE SURGE PROTECTED. THE BATTERY SHALL BE CAPABLE OF PROVIDING NORMAL OPERATION FOR A PERIOD OF 24 HOURS WITH ENOUGH RESERVE TO ANNUNCIATE A BUILDING ALARM FOR 15 MINUTES.

4. NEW DEVICES SHALL BE PROVIDED WITH RECESSED METAL BOXES. ALL DEVICES SHALL BE MOUNTED FLUSH WITH WALL EXCEPT FOR PULL STATIONS WHICH SHALL BE SEMI-FLUSH.

5. NEW HORN/STROBE DEVICES SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT. THE SPEAKER SHALL PRODUCE A SOUND LEVEL OF 90 DECIBELS AND THE STROBE SHALL PRODUCE A FLASHING PULSE OF LIGHT OF 75 CANDELLA.

6. STROBE DEVICES SHALL PRODUCE A FLASHING PULSE OF LIGHT OF 75 CANDELLA.

7. NEW PULL STATIONS SHALL BE NON-GLASS-BREAK TYPE AND KEYED THE SAME AS THE FIRE ALARM PANEL.

8. THE SMOKE DETECTORS SHALL BE THE PHOTOELECTRIC TYPE POWERED FROM THE MAIN FIRE ALARM PANEL.

9. THE GENERAL BUILDING ALARM WILL SOUND WHEN ACTIVATED AT THE CONTROL PANEL, BY SMOKE OR HEAT DETECTORS, OR BY A PULL STATION. ALARM WILL ALSO SOUND WHEN ACTIVATED BY A DUCT SMOKE DETECTOR OR SPRINKLER.

10. THE MAIN PANEL SHALL PROVIDE INDICATION OF EACH INITIATING DEVICE LOCATION FOR ALARM, TROUBLE AND SUPERVISORY CONDITIONS. THE PANEL SHALL HAVE LAMP TEST, ALARM SILENCE, TROUBLE AND SUPERVISORY SILENCE, SYSTEM RESET, AND ALARM INITIATE CONTROLS. THE PANEL SHALL ALSO INDICATE VOLTAGE AND BATTERY TEST. THE PANEL SHALL ALSO INDICATE PULS IN. THE PANEL SHALL BE IN A SURFACE MOUNTED ENCLOSURE WITH LOCKABLE, SEE THROUGH, HINGED FRONT COVER.

11. THE FIRE ALARM PANEL SHALL BE EQUIPPED WITH A DIGITAL TRANSMITTER AND CELLULAR COMMUNICATION FOR OFF PREMISES REMOTE MONITORING (FIRE DEPARTMENT) DURING ALARM CONDITION. PROVIDE 3/4 IN. CONDUIT FROM FIRE ALARM PANEL TO TELEPHONE BACKBOARD, FIELD COORDINATE.

12. PROVIDE (1) REMOTE ANNUNCIATOR PANEL AS SHOWN ON PLANS. THE ANNUNCIATOR PANEL SHALL BE PROVIDED WITH AN LCD DISPLAY AND COMPLETE CONTROL PUSH BUTTONS INCLUDING, BUT NOT LIMITED TO, ALARM ACKNOWLEDGE, ALARM SILENCE, RESET, ETC.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER
A	2 FT. X 2 FT. RECESSED BACK LIT FLAT PANEL; ALUMINUM FRAME CONSTRUCTION; MICRO PRISM LENS LENS FOR FULLY LUMINOUS APPEARANCE.	METALUX "CGTX" SER., LITHONIA "CGTX" SER., COLUMBIA "CBT" SER.,
LAMPS: DRIVER:	LED, 4000 LUMENS MINIMUM, 37 WATTS, 3500 DEGREE K UNV. VOLT	
B	SPECIFICATION DOWNLIGHT, 4" SQUARE RECESSED, SELF FLANGED, ACCESS TO LIGHT ENGINE AND DRIVER THROUGH APERTURE, DIFFUSING OPTICAL LENSE, PROVIDE DRY WALL ADAPTER WHERE REQUIRED.	LITHONIA "LDN450" SER., PRESCOLITE "LF450LED" SER., LITHONIA "H450" SER., PORTFOLIO "LD504B" SER., CREE "XR45" SER.,
LAMPS: DRIVER:	LED, 3000 LUMENS, 38 WATTS, 3500 DEGREE K UNV. VOLT	
C	COMMERCIAL GRADE DOWNLIGHT, RECESSED SELF FLANGED, 4 IN. ROUND APERTURE, SPECULAR REFLECTOR FINISH; MEDIUM DISTRIBUTION ; ACCESS FROM BELOW OR ABOVE CEILING; STANDARD 0-10 DIMMING.	HALO COMMERCIAL "HC4" SER., LITHONIA "LDN4" SER., PRESCOLITE "LFR-4R" SER.,
LAMPS: DRIVER:	LED, 3000 LUMENS MINIMUM, 38 WATTS, 3500 DEGREE K UNV. VOLT	
D	4" ROUND COMMERCIAL GRADE CYLINDER, PENDANT MOUNTED, COORINATE COLOR AND STEM LENGTH WITH ARCHITECT. MEDIUM DISTRIBUTION, 0-10V DIMMING STANDARD.	HALO COMMERCIAL "HCC4" SER., LITHONIA "LDN4" SER., RAYON "RFL-4" SER.,
LAMPS: DRIVER:	LED, 3000 LUMENS MINIMUM, 32 WATTS, 3500 DEGREE K UNV. VOLT DRIVER	
E	1 FT. X 4 FT. RECESSED BACK LIT FLAT PANEL; ALUMINUM FRAME CONSTRUCTION; MICRO PRISM LENS LENS FOR FULLY LUMINOUS APPEARANCE, PROVIDE DRY WALL ADAPTER.	METALUX "CGTX" SER., LITHONIA "CPX" SER., COLUMBIA "CBT" SER.,
LAMPS: DRIVER:	LED, 4000 LUMENS MINIMUM, 36 WATTS, 3500 DEGREE K UNV. VOLT	
F	OWNER SELECTED, \$500 ALLOWANCE PER FIXTURE (FOR FIXTURE ONLY), CONTRACTOR TO INCLUDE INSTALLATION.	OWNER SELECTED.
LAMPS: DRIVER:	LED, 100 WATTS MAX. UNV. VOLT DRIVER	
G	RECESSED 4" X 4 FT LINEAR LED SLOT, UPPER HOUSING STEEL WITH EXTRUDED ALUMINUM TRIM, TRANSMISSIVE SATIN ACRYLIC LENS WITH LOW GLARE OPTICS.	LUMENWERK "VIA-4" SER., FOCAL POINT "SEEM-4" SER., PINNACLE "EDGE-4" SER., NEO-RAY "DEFINE-4" SER.,
LAMPS: DRIVER:	LED, 3000 LUMENS, 28 WATTS, 3500 DEGREE K UNV. VOLT DRIVER	
H	4 FT LED WALL / STAIRWELL FIXTURE, NOMINAL 4"x4" PROFILE, DIE FORMED STEEL HOUSING, SURFACE MOUNTED HORIZONTAL, INJECTION MOLDED FROST LENS, 0-10 DIMMING STANDARD.	METALUX "SWLED" SER., LITHONIA "WL2" SER., COLUMBIA "ESL" SER., H.E. WILLIAMS "SLF" SER.,
LAMPS: DRIVER:	LED, 4000 LUMENS MINIMUM, 40 WATTS, 3500 DEGREE K UNV. VOLT DRIVER	
I	LED THERMOPLASTIC EXIT, IMPACT/SCRATCH RESISTANT AND CORROSION PROOF; TOP, END, OR BACK MOUNTING STANDARD, UNIVERSAL FIELD SELECTABLE SINGLE OR DOUBLE FACE, FIELD SELECTABLE RED OR GREEN ILLUMINATION, FIELD SELECTABLE CHEVRONS, WHITE / BLACK ENCLOSURE (PROVIDE 90 MIN. BACK-UP BATTERY).	SURE-LITES "LPX" SER., LITHONIA "LOM" SER., COMPASS "CE" SER.,
LAMPS: DRIVER:	LED, 2,2 WATTS UNV. VOLT DRIVER	
J	EXTERIOR ARCHITECTURAL, STYLED LOW PROFILE LED AC / EMERGENCY LIGHTING UNIT, SELF DIAGNOSTICS STANDARD, WET LOCATION WITH FULLY GASKETED HOUSING AND -20C TO 50C OPERATION, PRISMATIC POLYCARB REFRACTOR, 90 MIN. BACK-UP BATTERY, FINISH SELECTED BY ARCHITECT.	LITHONIA "AF0" SER., MULE "MAK0" SER., SPITZER "EWS" SER., COMPASS "CW" SER., H.E. WILLIAMS "EMR" SER.,
LAMPS: BALLASTS:	LED, 14 WATT AC / 3.0 WATT EMERGENCY UNV. VOLT	

NOTES:
1. CONTRACTOR TO VERIFY ALL VOLTAGES, GRID AND CEILING TYPES WITH THE ARCHITECT AND COORDINATE FIXTURE DIMENSION SIZE TO ENSURE A PROPER FIT IN ALL CEILING TYPES PRIOR TO ORDERING.

2. ALL LUMENS LISTED ARE DELIVERED LUMENS, ALL EQUALS TO SPECIFIED FIXTURES SHALL NOT BE ANY LOWER THAN 5% OF SPECIFIED LUMENS. WATTAGE SHALL NOT BE HIGHER THAN 15% OF SPECIFIED WATTAGE.

3. LISTING OF MANUFACTURERS DOES NOT EQUAL AUTOMATIC APPROVAL. ALL CHARACTERISTICS NOTED IN DESCRIPTION SECTION MUST BE MET IN ORDER TO BE APPROVED. WHERE VENDOR/REP. DOES NOT HAVE ONE MANUFACTURER LISTED, PRIOR APPROVAL IS REQUIRED TO BE SUBMITTED TO ENGINEER TEN (10) DAYS PRIOR TO BID.

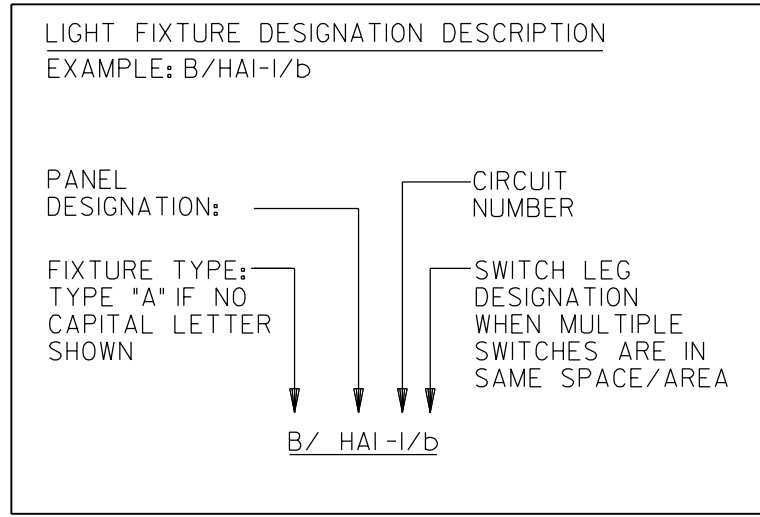
4. PROVIDE UNSWITCHED HOT TO EXIT SIGNS, EMERGENCY FLOOD LIGHTS AND EXTERIOR BUILDING EGRESS LIGHTING.

GENERAL NOTES:

A. ALL FLUSH RECESSED OUTLET BOXES SHALL BE INSTALLED SUCH THAT FRONT EDGE OF THE BOX WILL NOT BE SET BACK OF THE FINISHED SURFACE MORE THAN 1/4 IN. IN ORDER TO COMPLY WITH N.E.C. 314-20. SUPPORT OF OUTLET BOX BY RECEPTACLE AND COVERPLATE IS NOT ACCEPTABLE. CAREFULLY COORDINATE ROUGH-IN WITH BLOCK MASONS AND GROUT-IN CELL CONTAINING OUTLET BOX.

B. DO NOT SCALE DRAWINGS TO LOCATE EQUIPMENT OR OUTLETS. MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.

C. THE ELECTRICAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENTS. ALL OF THE DRAWINGS AND SPECIFICATIONS MUST BE REVIEWED FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.



PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.

ELECTRICAL LEGEND

LIGHTING AND POWER

CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL. HASH MARKS INDICATE NUMBER OF CONDUCTORS. (3 WIRE UNLESS SHOWN)

CONDUIT RUN CONCEALED BELOW FLOOR SLAB, OR UNDERGROUND.

HOMERUN TO PANELBOARD, LETTER OR LETTERS INDICATE PANELBOARD. NUMBERS INDICATES CIRCUIT NUMBERS.

LIGHT FIXTURE, SEE SCHEDULE FOR MOUNTING AND TYPE.

LIGHT FIXTURE, SEE SCHEDULE FOR MOUNTING AND TYPE. PROVIDE WITH 100 LUMEN, 90 MINUTE BATTERY PACK.

LIGHT FIXTURE, SEE SCHEDULE FOR MOUNTING AND TYPE.

LIGHT FIXTURE, SEE SCHEDULE FOR MOUNTING AND TYPE. PROVIDE WITH 100 LUMEN, 90 MINUTE BATTERY PACK.

DUPLEX CONVENIENCE OUTLET, 18 IN. ABOVE FLOOR UNLESS OTHERWISE NOTED.

DUPLEX CONVENIENCE OUTLET, MOUNTED ABOVE COUNTER AT 3 FT.- 4 IN TO BOTTOM OF BOX.

DUPLEX CONVENIENCE OUTLET, GFI TYPE, 18 IN. MOUNTING HEIGHT. "WP" WHERE SHOWN INDICATES WEATHERPROOF. PROVIDE METAL IN-USE WEATHERPROOF COVERPLATE.

DUPLEX CONVENIENCE OUTLET, GFI TYPE, MOUNTED ABOVE COUNTER. MOUNT AT 3 FT.- 4 IN. TO BOTTOM OF BOX.

QUADRUPLEX CONVENIENCE OUTLET, 18 IN. ABOVE FLOOR UNLESS OTHERWISE NOTED.

FLUSH FLOOR BOX WITH DUPLEX CONVENIENCE OUTLET AND COMBINATION TELEPHONE AND DATA OUTLET IN FLUSH FLOOR BOX. PROVIDE WALKER 880 OMNIBOX SERIES TWO GANG CAST IRON OR PLASTIC FLOOR BOX WITH BRASS FLANGE AND COVERPLATE. X-RAY SLAB BEFORE CORE DRILL.

SINGLE POLE TOGGLE SWITCH, 42 IN. MOUNTING HEIGHT.

THREE OR FOUR WAY SWITCH AS INDICATED, 42 IN. MOUNTING HEIGHT.

0-10 VOLT SLIDE TYPE DIMMER, 42 IN. ABOVE FLOOR. (MANUAL ON TO 50%, DIM 1 - 100%, AUTO OFF PER IECC 2015) MUST BE COMPATIBLE WITH LIGHT FIXTURES, OCC/VAC SENSOR AND POWER PACKS.

PANELBOARD, SEE SCHEDULE.

DISCONNECT SWITCH, SIZE AS NOTED ON DRAWINGS.

PHOTO ELECTRIC CELL.

TELEPHONE & DATA SYSTEMS (RACEWAY, BOXES AND PULL STRINGS ONLY)

COMBINATION COMPUTER AND TELEPHONE OUTLET, 18 IN. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE. (2 DATA, 1 TEL).

COMBINATION COMPUTER AND TELEPHONE OUTLET, FLUSH WALL MOUNTED AT 46 IN. TO CENTER LINE OF OUTLET. (2 DATA/1TEL).

COMPUTER OUTLET, 18 IN. ABOVE FLOOR UNLESS NOTED OTHERWISE (2 DATA).

WIRELESS ACCESS POINT.

PLYWOOD BACKBOARD, "TB" INDICATES TELEPHONE BOARD.

LIGHTING CONTROL SENSORS

COMBINATION 360 DEGREE, ULTRASONIC AND PASSIVE INFRARED SENSOR (WATT STOPPER "DT-300", GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH. V INDICATES VACANCY SENSOR, UNIT MUST COMPLY WITH IECC 2015 REQUIREMENTS.)

WALL MOUNTED SENSOR SWITCH, 42 IN. MOUNTING HEIGHT (WATTSTOPPER DW-100, GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH).

ULTRASONIC OCCUPANCY SENSOR (WATT STOPPER "WT-2250", GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH).

FIRE ALARM SYSTEM

FIRE ALARM CONTROL PANEL, SURFACE MOUNTED.

FIRE ALARM ANNUNCIATOR, FLUSH MOUNTED.

HORN AND FLASHING LIGHT, 80 IN. ABOVE FLOOR TO THE BOTTOM OF THE LENS.

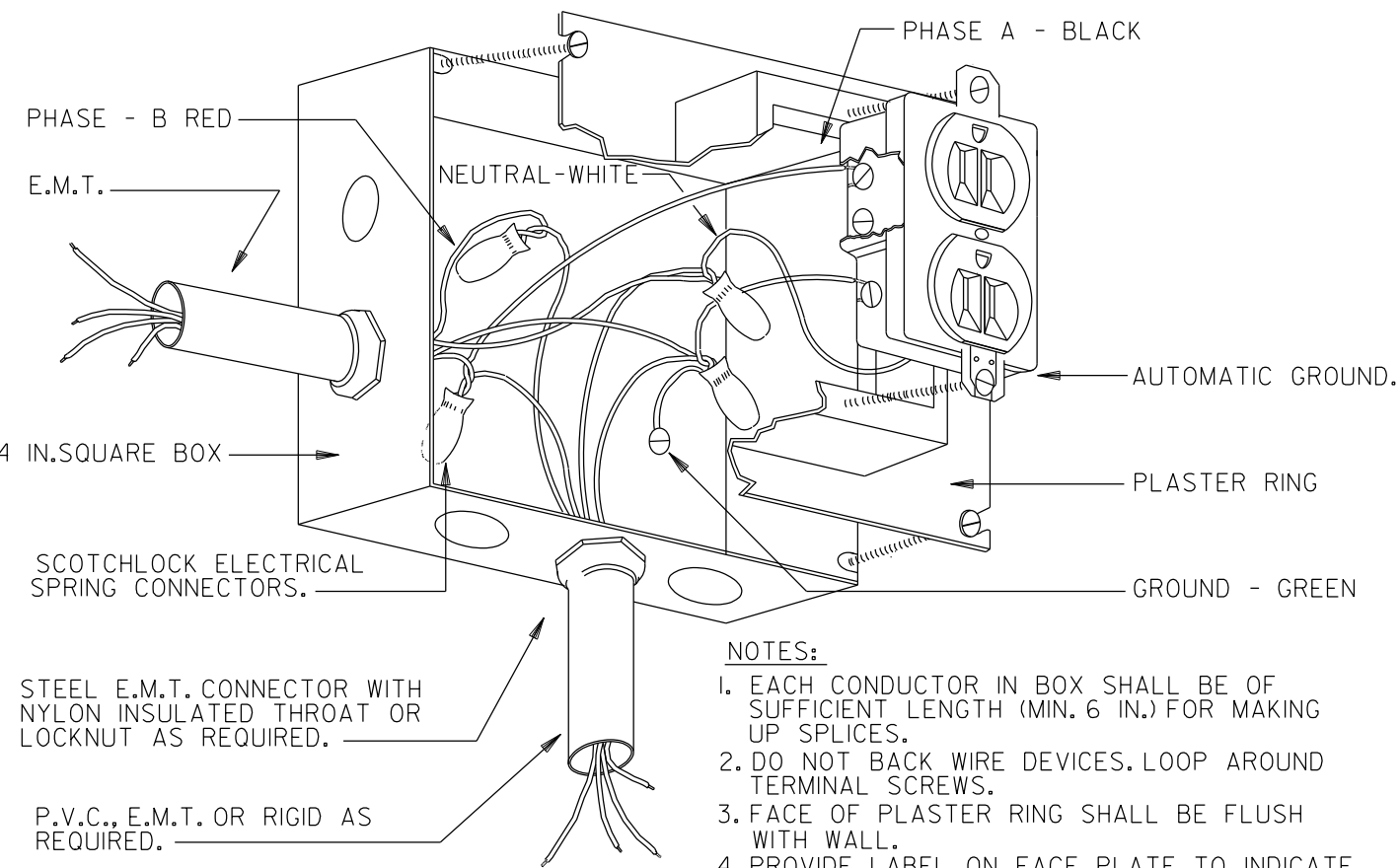
STROBE LIGHT, 80 IN. ABOVE FLOOR TO THE BOTTOM OF THE LENS.

FIRE ALARM PULL STATION. WALL MOUNTED 42 IN. ABOVE FLOOR.

FIRE ALARM DUCT SMOKE DETECTOR LOCATED IN HVAC SUPPLY DUCT. PROVIDE IN UNITS 2000 CFM AND GREATER. UNIT LOCATED BY HVAC CONTRACTOR, SUPPLIED AND INSTALLED BY FIRE ALARM SUBCONTRACTOR.

SMOKE DETECTOR, PHOTOELECTRIC TYPE.

NOTE:
1. ALL MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET OR DEVICE.
2. ALL RECEPTACLES SHALL BE TAMPER RESISTANT (TYPE "TR").



NOTES:

1. EACH CONDUCTOR IN BOX SHALL BE OF SUFFICIENT LENGTH (MIN. 6 IN.) FOR MAKING UP SPICES.

2. DO NOT BACK WIRE DEVICES. LOOP AROUND TERMINAL SCREWS.

3. FACE OF PLASTER RING SHALL BE FLUSH WITH WALL.

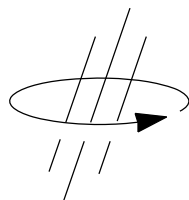
4. PROVIDE LABEL ON FACE PLATE TO INDICATE PANEL AND CIRCUIT SERVING IT.

5. PROVIDE RED COLOR RECEPTACLE FOR EMERGENCY.

1
E-001

RECEPTACLE CONNECTION DETAIL

NOT TO SCALE



EDC

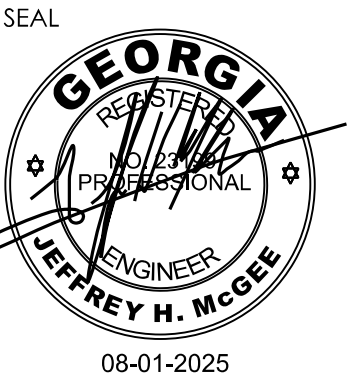
ELECTRICAL DESIGN CONSULTANTS

ELECTRICAL ENGINEERS
MACON OFFICE - PROJECT #: M25065
edc1973.com

ph
design

PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478.972.9329
david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENDED TO THE PROJECT OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE

ELECTRICAL LEGEND,
SCHEDULES AND
DETAILS

JOB NUMBER

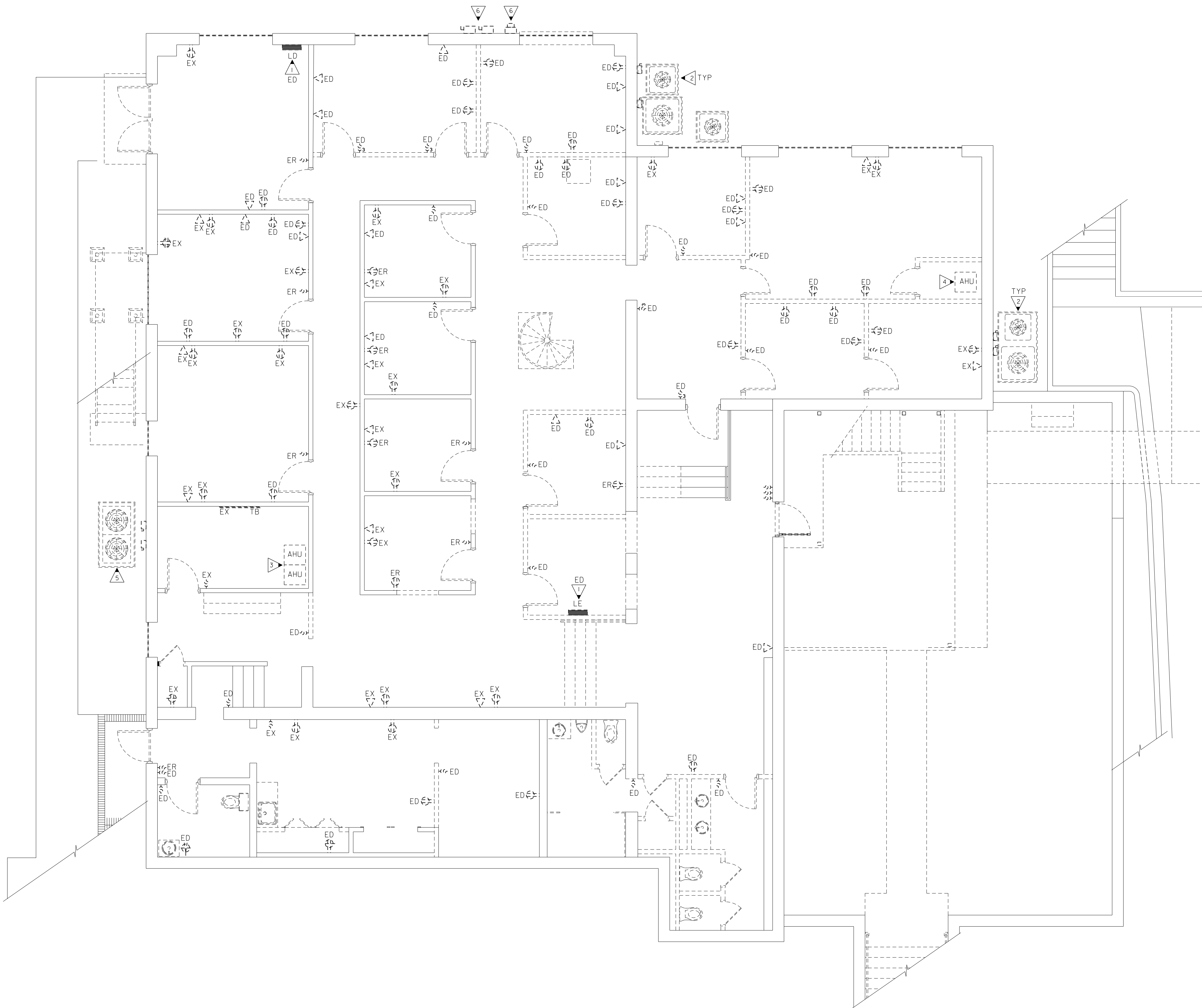
25-CC-01

DATE

08-01-2025

SHEET NUMBER

E-001



1ST FLOOR PLAN - ELECTRICAL DEMOLITION
SCALE: 3/16"=1'-0"

KEYED NOTES: (THIS SHEET ONLY)

- EXISTING PANELS TO BE DEMOLISHED, SEE E-300 AND E-400 SERIES DRAWINGS FOR NEW PANELS IN NEW LOCATION, COORDINATE WITH ARCHITECT AND OWNER PRIOR TO ANY WORK.
- EXISTING MECHANICAL EQUIPMENT TO BE RELOCATED TO ROOF, ASSOCIATED EXISTING DISCONNECTING MEANS SHALL BE DEMOLISHED, EXISTING CONDUIT AND CONDUCTORS ARE TO BE REMOVED BACK TO SOURCE, SEE E-302 FOR NEW REQUIREMENTS, COORDINATE WITH MECHANICAL CONTRACTOR EXACTLY WHICH EQUIPMENT IS TO BE RELOCATED TO ROOF.
- EXISTING MECHANICAL EQUIPMENT TO REMAIN, SEE E-3 SERIES DRAWINGS FOR NEW WORK.
- EXISTING MECHANICAL EQUIPMENT TO BE RELOCATED, COORDINATE NEW LOCATION WITH MECHANICAL ENGINEER AND CONTRACTOR PRIOR TO ANY WORK, SEE E-3 SERIES DRAWINGS.
- EXISTING MECHANICAL TO BE DEMOLISHED, REMOVE DISCONNECTING MEANS, CONDUIT AND CONDUCTORS BACK TO SOURCE, COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ANY WORK.
- EXISTING ELECTRICAL EQUIPMENT TO BE DEMOLISHED, SEE E-300 AND E-400 FOR NEW WORK.

GENERAL DEMOLITION NOTES: (SHEETS E-100 & E-101)

- REMOVE EXISTING LIGHTS (ONLY IN SPECIFIED AREAS) AND DISPOSE OF AS DIRECTED BY OWNER.
- PROVIDE BLANK COVERS ON ALL JUNCTION BOXES AND OUTLET BOXES NOT INTENDED FOR REUSE. PROVIDE BLANK COVERS OVER ANY AND ALL UNCOVERED EXISTING JUNCTION OR OUTLET BOXES.
- EXISTING CEILINGS, WALLS, AND FLOORS DISTURBED OR DISFIGURED BY THE ELECTRICAL RENOVATION SHALL BE PATCHED, MENDED, OR REPLACED BY TRADES ACTIVELY PARTICIPATING IN THIS TYPE OF WORK. RESPONSIBILITY FOR REPAIRS SHALL BE COORDINATED BETWEEN GENERAL CONTRACTOR AND ELECTRICAL SUBCONTRACTOR.
- ALL EXISTING EQUIPMENT REMOVED FROM SERVICE AND NOT INTENDED FOR REUSE SHALL REMAIN THE PROPERTY OF OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER.
- MAINTAIN SERVICE TO ALL EXISTING CIRCUITS THAT ARE NOT SCHEDULED FOR REMOVAL.
- ALL ACCESSIBLE ITEMS OF ELECTRICAL EQUIPMENT CONDUITS, WIRING, LIGHTS, RECEPTACLES, ETC. AFFECTED BY THE RENOVATION WORK AND NOT REQUIRED IN THE COMPLETED WORK SHALL BE CAREFULLY REMOVED. DAMAGED WALLS, FLOORS, CEILINGS, ETC. SHALL BE PATCHED AND FINISHED TO MATCH THE EXISTING ADJACENT SURFACES. REMOVED ITEMS SHALL BE PROPERLY DISPOSED OF OFF SITE AND NOT REUSED EXCEPT AS NOTED. TURN OVER ALL EXISTING EQUIPMENT DESIRED BY BUILDING OWNER.
- RECONNECT CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT TO REMAIN.
- WHERE ONLY A PORTION OF A CIRCUIT'S LOAD IS SCHEDULED TO BE REMOVED, REMOVE ONLY THAT PORTION ASSOCIATED WITH THE DEMOLISHED DEVICE TO A POINT WHERE THE REMAINING LOAD IS ACTIVE AND MAINTAIN IN A GOOD OPERATING CONDITION.
- EXISTING EQUIPMENT SHOWN ON ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS THAT WILL REMAIN SHALL HAVE SERVICE MAINTAINED OR RECONNECTED TO EXISTING OR NEW PANELBOARD AS NECESSARY.
- TO MAINTAIN SERVICE OR TO EXTEND OR RECONNECT CIRCUITS WHERE CONDUIT CAN NOT BE CONCEALED, SURFACE METAL RACEWAY (WIREMOLD V700 SERIES) PAINTED TO MATCH WALLS) MAY BE USED. VERIFY WITH ARCHITECT BEFORE INSTALLING.
- ELECTRICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS AND SITE CONDITIONS FOR DOOR SWINGS, CABINETS, COUNTERS AND OTHER BUILT-IN EQUIPMENT. CONDITIONS INDICATED ON ARCHITECTURAL DRAWING SHALL GOVERN.
- COORDINATE ELECTRICAL WITH ARCHITECTURAL DETAILS, FLOOR PLANS, ELEVATIONS, STRUCTURAL, MECHANICAL AND PLUMBING DRAWINGS. PROVIDE FITTINGS, JUNCTION BOXES AND ACCESSORIES TO MEET CONDITIONS. COORDINATE ROUTING OF ALL NEW FEEDERS WITH EXISTING SITE ELEMENTS. ALL FEEDERS SHALL BE CONCEALED EXCEPT IN MECHANICAL/ELECTRICAL SPACES WITH SURFACE MOUNTED PANELS.
- ENSURE ALL EXISTING TELEPHONE, DATA, TELEVISION, INTERCOM, SECURITY AND OTHER LOW VOLTAGE CABLING IS SECURED TO STRUCTURE AND PROTECTED FROM DAMAGE DURING DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SYSTEMS IN WORKING ORDER.
- ALL EXISTING DEVICES MAY NOT BE SHOWN. DEVICES THAT ARE SHOWN IS BASED ON LIMITED FIELD INVESTIGATION.

COORDINATION NOTE:

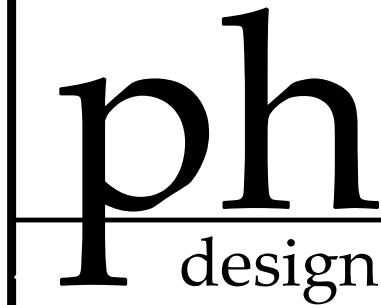
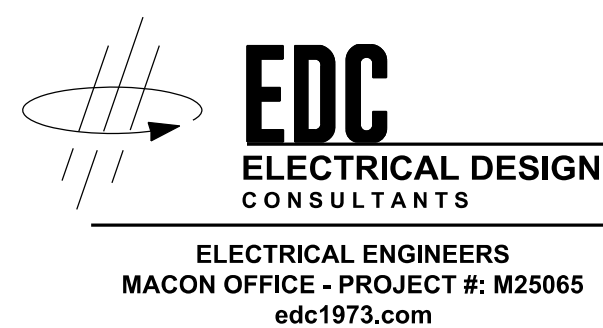
CONTRACTOR SHALL CAREFULLY REVIEW HVAC AND ELECTRICAL DRAWINGS PRIOR TO BID. ALL HVAC EQUIPMENT TO REMAIN, EQUIPMENT BEING REPLACED, AND NEW EQUIPMENT SHALL BE PROVIDED POWER. ELECTRICAL DRAWINGS SHOW THE MEANS OF PROVIDING POWER. HOWEVER, ALL EQUIPMENT MUST BE POWERED WHETHER SHOWN OR NOT.

WHERE ELECTRICAL DRAWINGS SHOW PROVIDING BREAKERS IN EXISTING PANELS TO SERVE EQUIPMENT, CONTRACTOR SHALL VERIFY AVAILABLE SPACE. IF NOT AVAILABLE, CONTRACTOR SHALL PROVIDE BREAKER IN CLOSEST PANEL WITH AVAILABLE CAPACITY AND SPACE.

ALL EQUIPMENT MUST BE PROVIDED WITH A DISCONNECTING MEANS PER THE 2023 NEC (WHETHER OR NOT SHOWN ON ELECTRICAL DRAWINGS OR DIVISION 23)

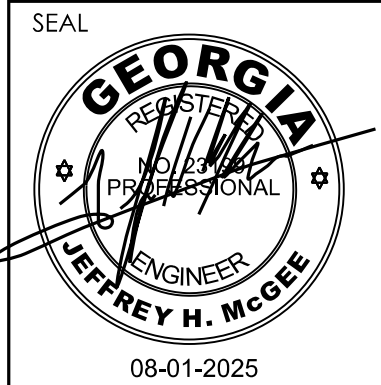
DEMOLITION LEGEND

ED	EXISTING DEVICE TO BE DEMOLISHED, SEE DEMOLITION NOTES.
ER	EXISTING DEVICE TO BE REPLACED, PROVIDE NEW DEVICE AND FACEPLATE. SEE NEW WORK DRAWINGS FOR ADDITIONAL REQUIREMENTS.
EX	EXISTING DEVICE TO REMAIN, PROVIDE NEW DEVICE AND FACEPLATE. PROVIDE NEW CABLING BACK TO SERVING CABINET ON LOW VOLTAGE DEVICES.



PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478.972.9329
david.higgins@parkhigginsdesign.com
205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.

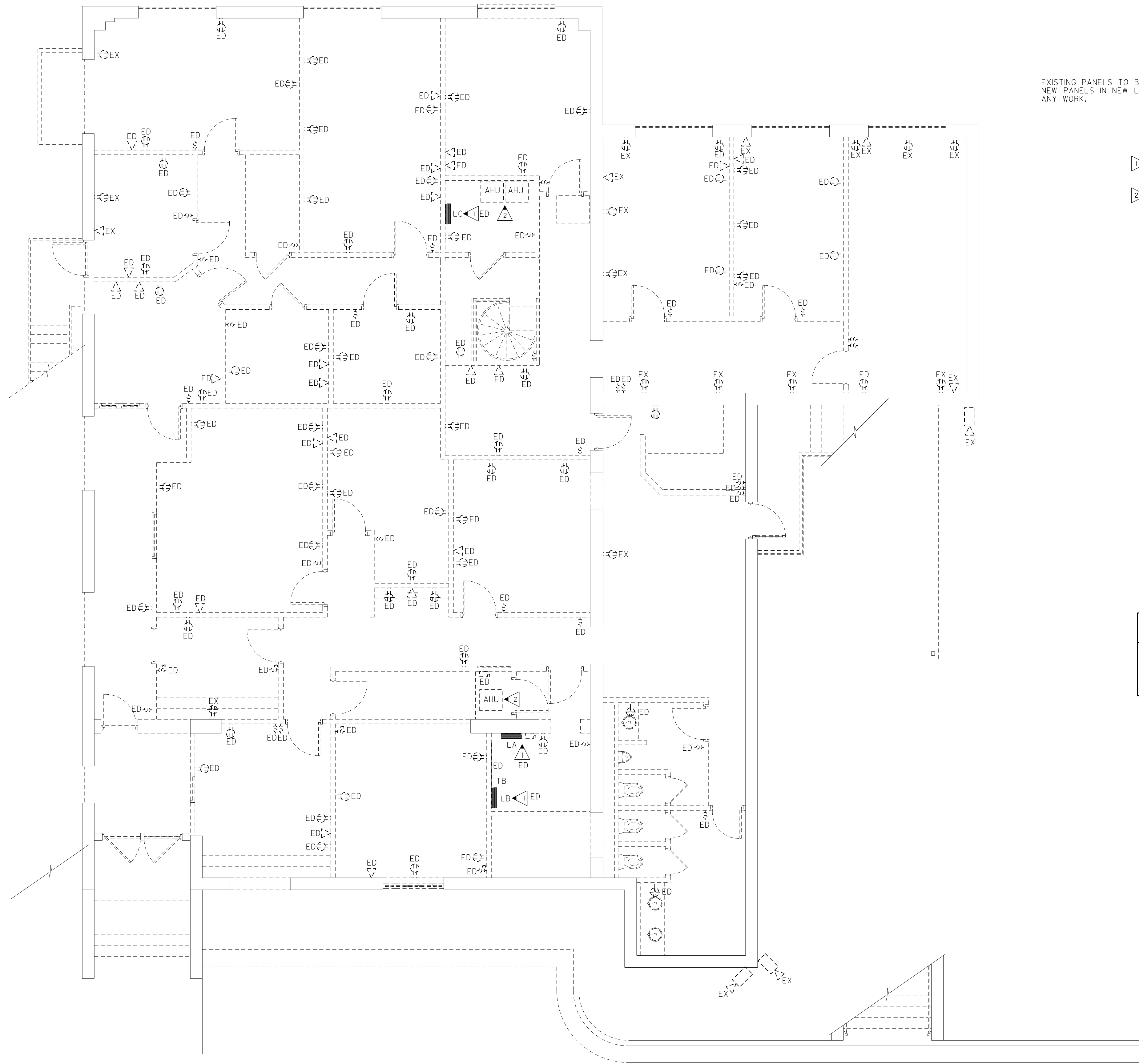


RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE
1ST FLOOR PLAN - ELECTRICAL DEMOLITION
JOB NUMBER
25-CC-01
DATE
08-01-2025
SHEET NUMBER

E-100



EXISTING PANELS TO BE DEMOLISHED, SEE E-300 AND E-400 SERIES DRAWINGS FOR NEW PANELS IN NEW LOCATION, COORDINATE WITH ARCHITECT AND OWNER PRIOR TO ANY WORK.

- KEYED NOTES:** (THIS SHEET ONLY)
- 1 EXISTING PANELS TO BE DEMOLISHED, SEE E-300 AND E-400 SERIES DRAWINGS FOR NEW PANELS IN NEW LOCATION, COORDINATE WITH ARCHITECT AND OWNER PRIOR TO ANY WORK.
 - 2 EXISTING MECHANICAL EQUIPMENT TO BE DEMOLISHED, REMOVE EXISTING CONDUIT AND CONDUCTORS BACK TO SOURCE, COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ANY WORK.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

A. SEE SHEET E-100 FOR GENERAL DEMOLITION NOTES.

COORDINATION NOTE:

CONTRACTOR SHALL CAREFULLY REVIEW HVAC AND ELECTRICAL DRAWINGS PRIOR TO BID. ALL HVAC EQUIPMENT TO REMAIN, EQUIPMENT BEING REPLACED, AND NEW EQUIPMENT SHALL BE PROVIDED POWER. ELECTRICAL DRAWINGS SHOW THE MEANS OF PROVIDING POWER. HOWEVER, ALL EQUIPMENT MUST BE POWERED WHETHER SHOWN OR NOT.

WHERE ELECTRICAL DRAWINGS SHOW PROVIDING BREAKERS IN EXISTING PANELS TO SERVE EQUIPMENT, CONTRACTOR SHALL VERIFY AVAILABLE SPACE. IF NOT AVAILABLE, CONTRACTOR SHALL PROVIDE BREAKER IN CLOSEST PANEL WITH AVAILABLE CAPACITY AND SPACE.

ALL EQUIPMENT MUST BE PROVIDED WITH A DISCONNECTING MEANS PER THE 2023 NEC (WHETHER OR NOT SHOWN ON ELECTRICAL DRAWINGS OR DIVISION 23)

DEMOLITION LEGEND	
ED	EXISTING DEVICE TO BE DEMOLISHED, SEE DEMOLITION NOTES.
EX	EXISTING DEVICE TO REMAIN, PROVIDE NEW DEVICE AND FACEPLATE, PROVIDE NEW CABLING BACK TO SERVING CABINET ON LOW VOLTAGE DEVICES.

1
E-101
2ND FLOOR PLAN - ELECTRICAL DEMOLITION
SCALE: 3/16"=1'-0"

REVISION	DATE	DESCRIPTION

SHEET TITLE
2ND FLOOR PLAN - ELECTRICAL DEMOLITION
JOB NUMBER
25-CC-01
DATE
08-01-2025
SHEET NUMBER
E-101

ELECTRICAL ENGINEERS
CON OFFICE - PROJECT #: M25065
edc1973.com

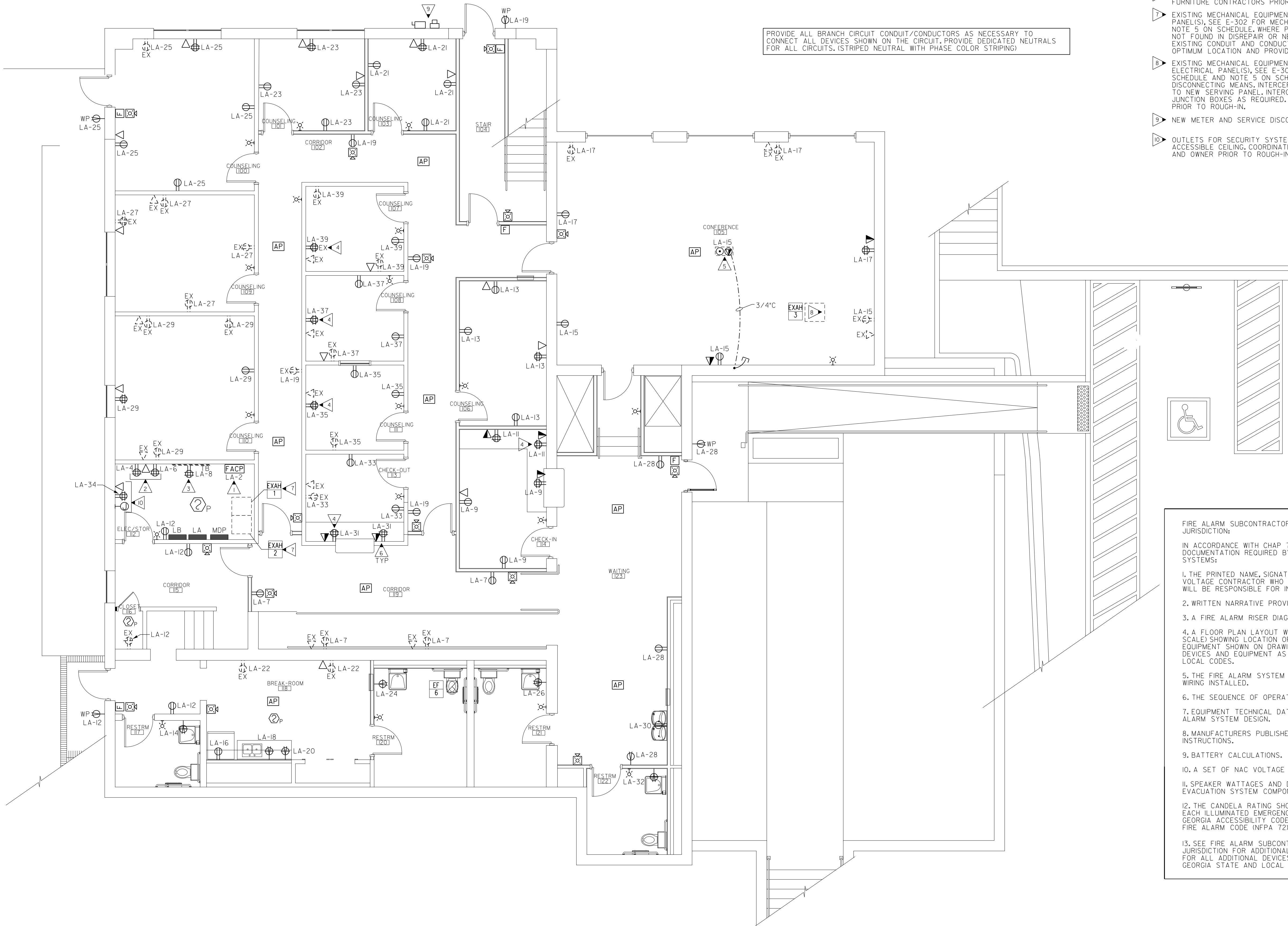
GENERAL NOTES: (SHEETS E-300 & E-301)

- A. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, PRIOR TO ELECTRICAL ROUGH-IN.
- B. ALL FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
- C. COORDINATE FINAL RECEPTACLE AND VOICE/DATA OUTLET LOCATIONS WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN. NO EXCEPTIONS.
- D. COORDINATE EXACT CONDUIT REQUIREMENTS FOR THERMOSTATS TO ALL AIR HANDLING UNITS. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS, PROVIDE OUTLET BOXES AND CONDUIT TO ABOVE CEILINGS FOR ALL THERMOSTATS.
- E. FIRE SEAL ALL FIREWALL PENETRATIONS.

PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS. (STRIPED NEUTRAL WITH PHASE COLOR STRIPING)

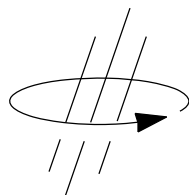
KEYED NOTES: (THIS SHEET ONLY)

- 1 MARK FACP CIRCUIT BREAKER PER NEC 2023 IN PANEL. PROVIDE HASP LOCK AND PAINT BREAKER RED.
- 2 OWNER PROVIDED IT EQUIPMENT. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
- 3 TEL/DATA BACK BOARD, SEE 5/E-400.
- 4 EXISTING DUPLEX RECEPTACLE OUTLET TO BE REPLACED WITH NEW QUADRUPEX RECEPTACLE OUTLET.
- 5 FLOOR BOX AND CIRCUITRY, COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. PATCH FLOOR TO MATCH EXISTING AREA. X-RAY FLOOR PRIOR TO ANY WORK.
- 6 COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF OUTLETS WITH MILL WORK AND FURNITURE CONTRACTORS PRIOR TO ROUGH-IN.
- 7 EXISTING MECHANICAL EQUIPMENT TO REMAIN AND RE-CIRCUITED TO NEW ELECTRICAL PANEL(S). SEE E-302 FOR MECHANICAL/PLUMBING EQUIPMENT POWER SCHEDULE. AND NOTE 5 ON SCHEDULE. WHERE POSSIBLE, REUSE EXISTING DISCONNECTING MEANS. IF NOT FOUND IN DISREPAIR OR NEAR END OF USEFUL LIFE. INTERCEPT AND EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW SERVING PANEL. INTERCEPT AT MOST OPTIMUM LOCATION AND PROVIDE JUNCTION BOXES AS REQUIRED.
- 8 EXISTING MECHANICAL EQUIPMENT TO BE RELOCATED AND RE-CIRCUITED TO NEW ELECTRICAL PANEL(S). SEE E-302 FOR MECHANICAL/PLUMBING EQUIPMENT POWER SCHEDULE. AND NOTE 5 ON SCHEDULE. WHERE POSSIBLE, REUSE EXISTING DISCONNECTING MEANS. INTERCEPT AND EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW SERVING PANEL. INTERCEPT AT MOST OPTIMUM LOCATION AND PROVIDE JUNCTION BOXES AS REQUIRED. VERIFY NEW LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 9 NEW METER AND SERVICE DISCONNECT, SEE E-400.
- 10 OUTLETS FOR SECURITY SYSTEM, JUNCTION BOX WITH PULL STRING ROUTED TO ABOVE ACCESSIBLE CEILING. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.



1ST FLOOR PLAN - POWER & SYSTEM
SCALE: 3/16"=1'-0"

EXISTING TO REMAIN LEGEND	
EX	EXISTING DEVICE TO REMAIN, PROVIDE NEW DEVICE AND FACEPLATE. PROVIDE NEW CABLING BACK TO SERVING CABINET ON LOW VOLTAGE DEVICES.



EDC
ELECTRICAL DESIGN
CONSULTANTS
ELECTRICAL ENGINEERS
MACON OFFICE - PROJECT #: M25065
edc1973.com

FIRE ALARM SUBCONTRACTOR SUBMITTAL REQUIREMENTS TO AUTHORITY HAVING JURISDICTION:

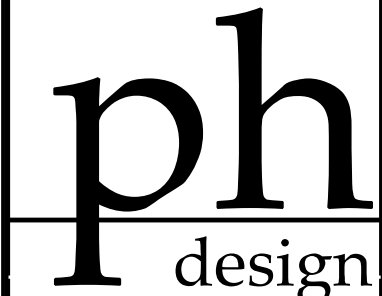
IN ACCORDANCE WITH CHAP 7, NFPA 72 THE FOLLOWING LIST REPRESENTS THE MINIMUM DOCUMENTATION REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR ALL FIRE ALARM SYSTEMS:

1. THE PRINTED NAME, SIGNATURE AND COPY OF CURRENT GEORGIA LICENSE OF THE LOW VOLTAGE CONTRACTOR WHO IS SUBMITTING THE FIRE ALARM PLANS FOR REVIEW AND WHO WILL BE RESPONSIBLE FOR INSTALLATION.
2. WRITTEN NARRATIVE PROVIDING INTENT AND SYSTEM DESCRIPTION.
3. A FIRE ALARM RISER DIAGRAM.
4. A FLOOR PLAN LAYOUT WITH ROOM NAMES, DOOR LOCATIONS, FIXTURES (DRAWN TO SCALE) SHOWING LOCATION OF ALL DEVICES AND CONTROL EQUIPMENT. DEVICES AND EQUIPMENT SHOWN ON DRAWINGS IS THE MINIMUM REQUIRED. PROVIDE ALL ADDITIONAL DEVICES AND EQUIPMENT AS REQUIRED TO MEET ALL NFPA, IBC, GEORGIA STATE AND LOCAL CODES.
5. THE FIRE ALARM SYSTEM WIRING LAYOUT DESIGN WHICH INCLUDES THE GAUGE(S) OF WIRING INSTALLED.
6. THE SEQUENCE OF OPERATION IN EITHER INPUT/OUTPUT MATRIX OR NARRATIVE FORM.
7. EQUIPMENT TECHNICAL DATA SHEETS FOR ALL COMPONENTS SPECIFIED IN THE FIRE ALARM SYSTEM DESIGN.
8. MANUFACTURERS PUBLISHED INSTRUCTIONS, INCLUDING OPERATION AND MAINTENANCE INSTRUCTIONS.
9. BATTERY CALCULATIONS.
10. A SET OF NAC VOLTAGE DROP/LOAD CALCULATIONS.

11. SPEAKER WATTAGES AND DECIBEL RATINGS FOR BOTH HORN ALARM AND VOICE EVACUATION SYSTEM COMPONENTS.

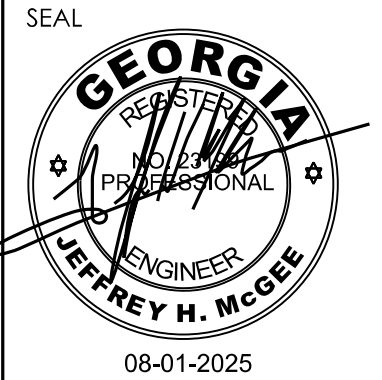
12. THE CANDELA RATING SHOWN FOR DRAWINGS FOR EACH STROBE/VISUAL DEVICE AND EACH ILLUMINATED EMERGENCY EXIT SIGN FIRE ALARM SYSTEM MUST COMPLY WITH THE GEORGIA ACCESSIBILITY CODE (120-3-20), LIFE SAFETY CODE (NFPA 101) AND THE NATIONAL FIRE ALARM CODE (NFPA 72).

13. SEE FIRE ALARM SUBCONTRACTOR SUBMITTAL REQUIREMENTS TO AUTHORITY HAVING JURISDICTION FOR ADDITIONAL REQUIREMENTS. FIRE ALARM SUBCONTRACTOR RESPONSIBLE FOR ALL ADDITIONAL DEVICES AND EQUIPMENT AS REQUIRED TO MEET ALL NFPA, IBC, GEORGIA STATE AND LOCAL CODES.



PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478.972.9329
david.higgins@parkhigginsdesign.com
205.612.9110

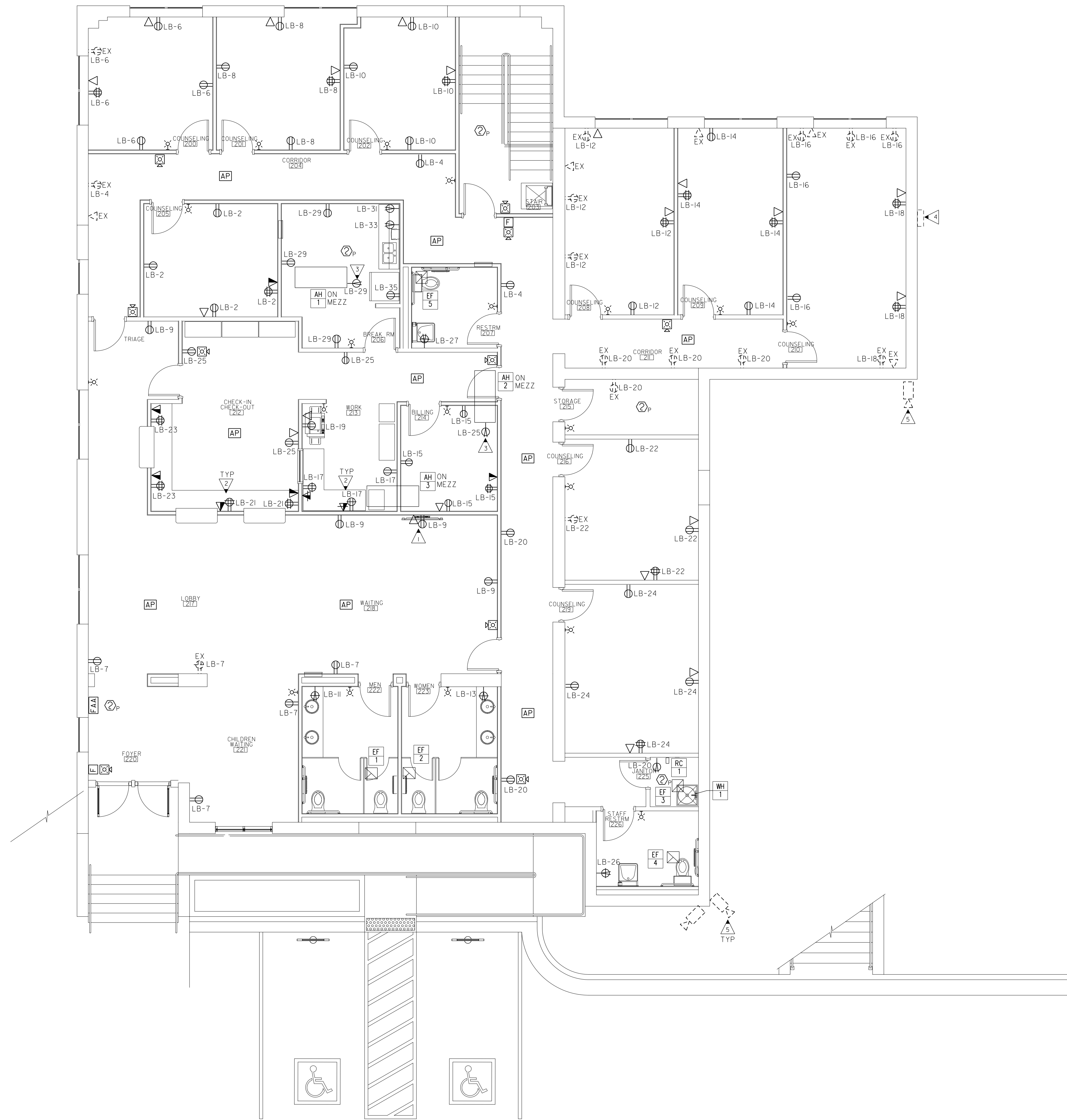
THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE	
1ST FLOOR PLAN - POWER AND SYSTEMS	
JOB NUMBER	
25-CC-01	
DATE	
08-01-2025	
SHEET NUMBER	
E-300	

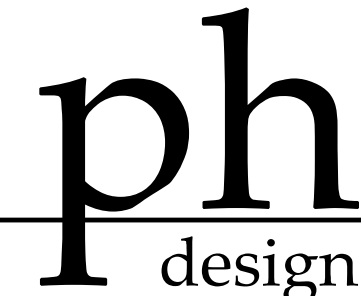


- KEYED NOTES:** (THIS SHEET ONLY)
- 1. OUTLETS FOR MONITOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
 - 2. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF OUTLETS WITH MILL WORK AND FURNITURE CONTRACTORS PRIOR TO ROUGH-IN.
 - 3. OUTLET MOUNTED ON MECHANICAL EQUIPMENT LOCATED ON THE MEZZANINE. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
 - 4. EXISTING TELEPHONE DEMARCATION.
 - 5. COORDINATE WITH ARCHITECT AND OWNER IF CAMERAS ARE TO REMAIN AND IF ANY ADDITIONAL SCOPE OF WORK IS REQUIRED.

- GENERAL NOTES:** (SHEETS E-300 & E-301)
- A. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. PRIOR TO ELECTRICAL ROUGH-IN.
 - B. ALL FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
 - C. COORDINATE FINAL RECEPTACLE AND VOICE/DATA OUTLET LOCATIONS WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN. NO EXCEPTIONS.
 - D. COORDINATE EXACT CONDUIT REQUIREMENTS FOR THERMOSTATS TO ALL AIR HANDLING UNITS. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS. PROVIDE OUTLET BOXES AND CONDUIT TO ABOVE CEILINGS FOR ALL THERMOSTATS.
 - E. FIRE SEAL ALL FIREWALL PENETRATIONS.

PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS. (STRIPED NEUTRAL WITH PHASE COLOR STRIPING)

1 2ND FLOOR PLAN - POWER & SYSTEM
E-301 SCALE: 3/16"=1'-0"



PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478.972.9329
david.higgins@parkhigginsdesign.com
205.612.9110

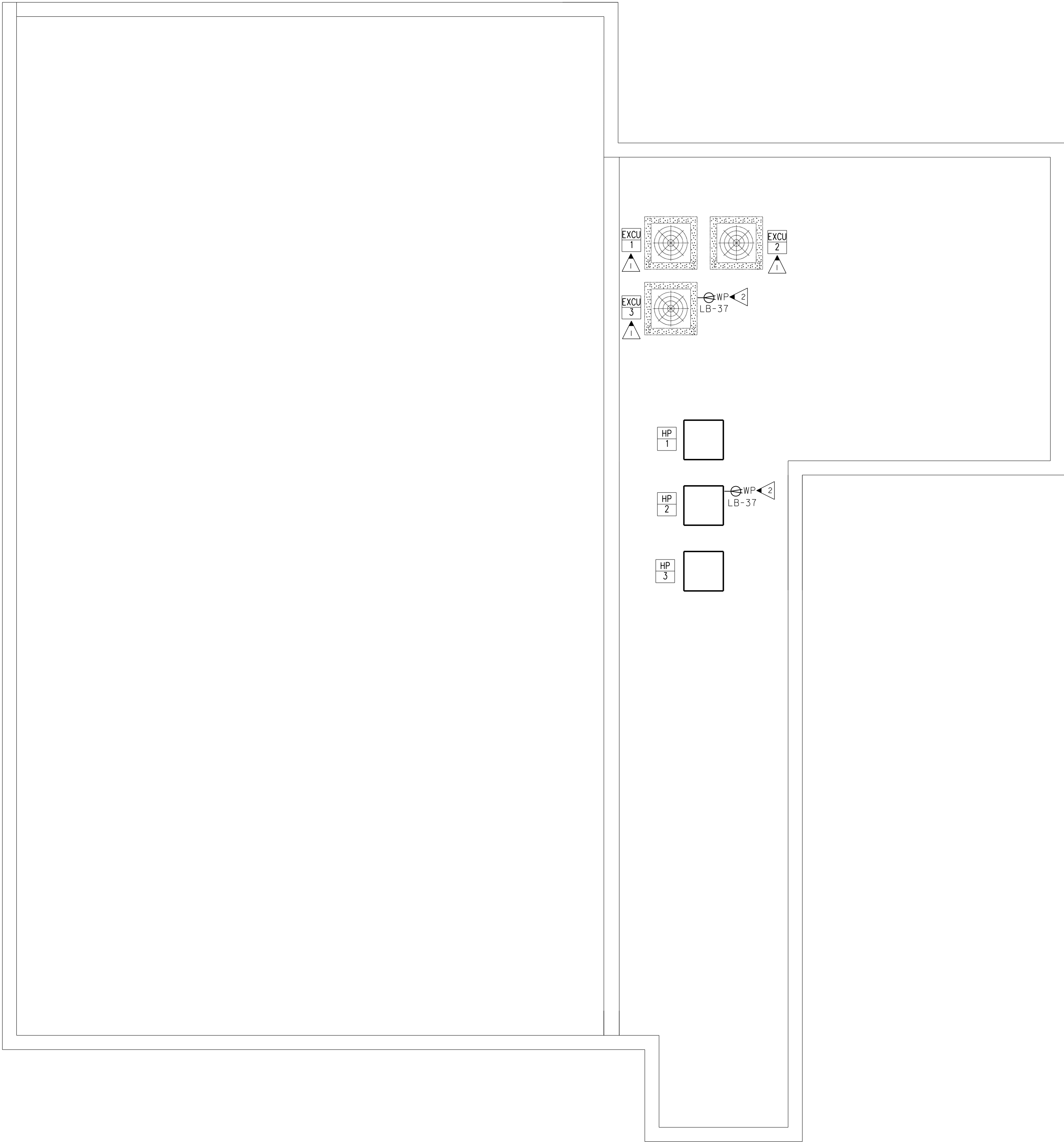
THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



RENOVATIONS AND MODIFICATIONS FOR CROSSROADS CHRISTIAN COUNSELING CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE
2ND FLOOR PLAN - POWER AND SYSTEMS
JOB NUMBER
25-CC-01
DATE
08-01-2025
SHEET NUMBER
E-301



1 ROOF PLAN - POWER & SYSTEM
E-302 SCALE: 3/16"=1'-0"

KEYED NOTES: (THIS SHEET ONLY)

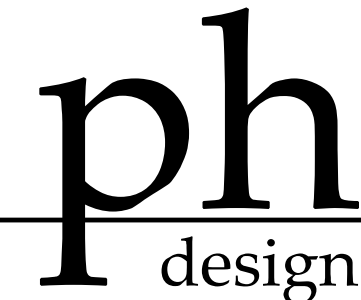
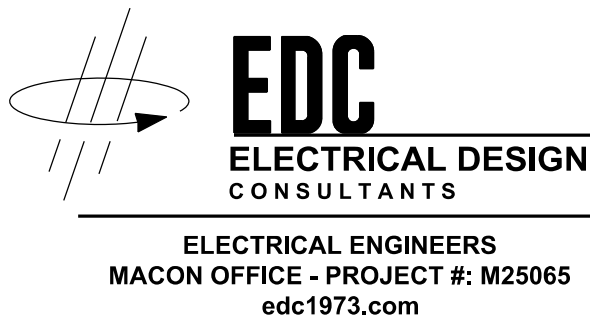
- EXISTING MECHANICAL EQUIPMENT RELOCATED TO ROOF. SEE MECHANICAL/PLUMBING POWER SCHEDULE. SEE NOTE 5 IN MECHANICAL/PLUMBING EQUIPMENT POWER SCHEDULE.
- ROOF TOP RECEPTACLE. MOUNT HARD TO UNIT CLEAR OF ACCESS PANELS. ROUTE BRANCH CIRCUIT THRU CURB PROVIDED FOR UNIT (NOT THRU DRIP PAN).

GENERAL NOTES: (THIS SHEET ONLY)

- A. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. PRIOR TO ELECTRICAL ROUGH-IN.
- B. ALL FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
- C. COORDINATE FINAL RECEPTACLE AND VOICE/DATA OUTLET LOCATIONS WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN. NO EXCEPTIONS.
- D. COORDINATE EXACT CONDUIT REQUIREMENTS FOR THERMOSTATS TO ALL AIR HANDLING UNITS. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS. PROVIDE OUTLET BOXES AND CONDUIT TO ABOVE CEILINGS FOR ALL THERMOSTATS.
- E. FIRE SEAL ALL FIREWALL PENETRATIONS.

PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS. (STRIPED NEUTRAL WITH PHASE COLOR STRIPING)

MECHANICAL/PLUMBING EQUIPMENT POWER SCHEDULE					
UNIT NAME	VOLTAGE/ PHASE	CIRCUIT BREAKER	PANEL NAME/ CIRCUIT NUMBER	FEEDER	DISCONNECT SWITCH
EXCU-1 (EXISTING)	208V/3Ø	60A/3P	MDP-2	4#6, #10GJ IN. C.	60A/3P/3R
EXCU-2 (EXISTING)	208V/3Ø	60A/3P	MDP-14	4#6, #10GJ IN. C.	60A/3P/3R
EXCU-3 (EXISTING)	208V/3Ø	60A/3P	MDP-26	4#6, #10GJ IN. C.	60A/3P/3R
EXAH-1 (EXISTING)	208V/3Ø	60A/3P	MDP-8	4#6, #10GJ IN. C.	60A/3P
EXAH-2 (EXISTING)	208V/3Ø	60A/3P	MDP-20	4#6, #10GJ IN. C.	60A/3P
EXAH-3 (EXISTING)	208V/3Ø	60A/3P	MDP-32	4#6, #10GJ IN. C.	60A/3P
HP-1	208V/1Ø	50A/2P	LA-1	3#6, #10GJ IN. C.	60A/2P/3R
HP-2	208V/1Ø	50A/2P	LA-9	3#6, #10GJ IN. C.	60A/2P/3R
HP-3	208V/1Ø	50A/2P	LA-17	3#6, #10GJ IN. C.	60A/2P/3R
AH-1	208V/1Ø	60A/2P	LA-5	3#6, #10GJ IN. C.	60A/2P
AH-2	208V/1Ø	60A/2P	LA-13	3#6, #10GJ IN. C.	60A/2P
AH-3	208V/1Ø	60A/2P	LA-21	3#6, #10GJ IN. C.	60A/2P
EF-1	120V/1Ø	20A/1P	NOTE 3.	3#12, 1/2 IN. C.	MOTOR RATED SWITCH
EF-2	120V/1Ø	20A/1P	NOTE 3.	3#12, 1/2 IN. C.	MOTOR RATED SWITCH
EF-3	120V/1Ø	20A/1P	NOTE 3.	3#12, 1/2 IN. C.	MOTOR RATED SWITCH
EF-4	120V/1Ø	20A/1P	NOTE 3.	3#12, 1/2 IN. C.	MOTOR RATED SWITCH
EF-5	120V/1Ø	20A/1P	NOTE 3.	3#12, 1/2 IN. C.	MOTOR RATED SWITCH
EF-6	120V/1Ø	20A/1P	NOTE 3.	3#12, 1/2 IN. C.	MOTOR RATED SWITCH
WH-1 (WTR HTR)	208V/1Ø	30A/2P	LB-32	3#8, #10G, 3/4 IN. C.	30A/2P
RC-1 (CIRC. PUMP)	120V/1Ø	20A/1P	LB-20	3#12, 1/2 IN. C.	MOTOR RATED SWITCH
NOTES:		1. SEE MECHANICAL FOR EXACT CONTROL REQUIREMENTS. 2. PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT. UNIT SHALL COME COMPLETE WITH SAMPLING TUBE AND REMOTE TEST/RESET STATION LOCATED IN MECH/ELEC ROOM IN ACCESSIBLE LOCATION. DETECTOR SHALL SHUT DOWN UNIT UPON ACTIVATION. 3. INTERLOCK AND POWER FAN VIA LIGHTING CIRCUIT IN AREA SERVED. PROVIDE 15 MINUTE TIME DELAY RELAY. PROVIDE UNSWITCHED HOT AT FAN. 4. FAN TO BE CONTROLLED BY SWITCH LOCATED IN ROOM. 5. CONTRACTOR TO FIELD VERIFY EXACT ELECTRICAL REQUIREMENTS AND ADJUST SIZES OF BRANCH CIRCUIT BREAKER, CONDUIT, CONDUCTORS AND DISCONNECTING MEANS ACCORDING TO 2023 NEC.			



PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210
brannen.park@parkhigginsdesign.com
478.972.9329
david.higgins@parkhigginsdesign.com
205.612.9110

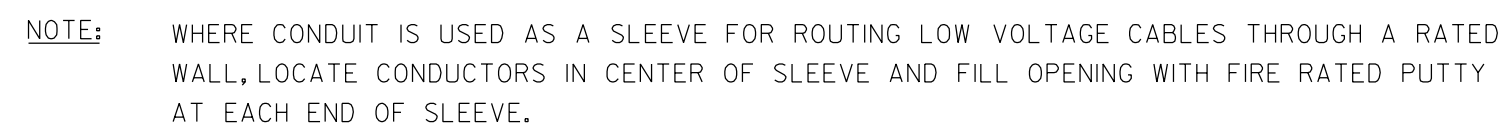
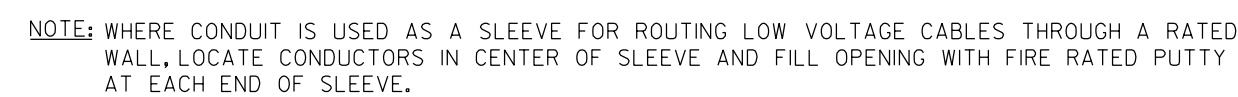
THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.



RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.
717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE ROOF PLAN - POWER AND SYSTEMS
JOB NUMBER 25-CC-01
DATE 08-01-2025
SHEET NUMBER E-302



- 1 2 SETS: 4*350MCM, 3 IN. C.
- 2 METER BASE SUPPLIED BY POWER COMPANY AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PAY ALL COSTS FOR METER BASE AND SERVICE SHOWN.
- 3 600A/3P/3R SERVICE ENTRANCE RATED ENCLOSED CIRCUIT BREAKER, 16,281AIC RATING MINIMUM.
- 4 2 SETS: 4*350MCM, #3/OG, 3 IN. C.
- 5 4/*1/O*6G, 2 IN. C.



1 MAIN SERVICE PANELS. PROVIDE EXTERNALLY MOUNTED 200KA PER MODE TVSS, WITH BREAKER FOR DISCONNECT MEANS AND FACTORY WIRED CONNECTIONS. 5*4, 1-1/4" CONDUIT FOR CONNECTION FROM BREAKER TO TVSS MODULE



COMcheck Software Version 4.1.5.5

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: CROSSROADS CHRISTIAN COUNSELING CENTER, INC.
Project Type: Alteration

Construction Site:
717 NORTH AVE.
MACON, GA 31211

Owner/Agent:
CROSSROADS CHRISTIAN
COUNSELING CENTER, INC.
717 NORTH AVE.
MACON, GA 31211

Designer/Contractor:
PARKS + HIGGINS DESIGN, INC.
4545 FORSYTH ROAD
MACON, GA 31210
478-972-9329

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Health Care-Clinic	10600	0.90	9540
Total Allowed Watts =			9540

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Health Care-Clinic (10600 sq.ft.)				
LED 1: A: 2X2: LED Panel 36W:	1	84	37	3108
LED 2: B: 4" SQUARE DOWN LT: LED Other Fixture Unit 36W:	1	34	38	1292
LED 3: C: 4" ROUND DOWN LT: LED Other Fixture Unit 36W:	1	12	38	456
LED 4: D: 4" ROUND PENDANT: LED Other Fixture Unit 36W:	1	6	32	192
LED 5: E: 1X4 RECESSED: LED Panel 36W:	1	9	36	324
LED 6: F: OWNER TO SELECT: Other:	1	2	100	200
LED 7: G: 4"X4" SLOT: LED Other Fixture Unit 28W:	1	6	28	168
LED 8: H: 4FT STAIRWELL: LED Panel 40W:	1	2	40	80
Total Proposed Watts =			5820	

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project 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 2015 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jeffrey H. McGee - Electrical Engineer

Name - Title Signature

07/31/2025
Date

Project Title: CROSSROADS CHRISTIAN COUNSELING CENTER, INC.

Data filename: Z:\2025 CAD\M25065 Crossroads Christian Counseling\WORKING
DRAWINGS\ELECTRICAL\Lighting\ComCheck\M25065 ComCheck.cck

Report date: 07/31/25
Page 1 of 6

MDP DEMAND CALCULATIONS				
	CONNECTED LOAD (VA)	DEMAND FACTOR	CALCULATED DEMAND (VA)	
TOTAL CONNECTED LOAD (VA)	199,371			
LIGHTING	6,415	1.25	8,019	
HVAC	131,592	1.00	131,592	
HVAC (CONTINUOUS)	0	1.25	0	
LARGEST MOTOR	0	1.25	0	
MOTOR LOAD	0	1.00	0	
RECEPTACLE (FIRST 10,000 VA)	10,000	1.00	10,000	
RECEPTACLE (GREATER THAN 10,000 VA)	46,864	0.50	23,432	
WATER HEATER	4,500	1.00	4,500	
KITCHEN EQUIPMENT (NEC 220.56)	0	0.65	0	
MISC LOADS	0	1.00	0	
DEMAND LOAD - VOLT-AMPERES			177,543	
DEMAND LOAD - 208V 3-PHASE AMPS			493.2	

KEYED NOTES: (THIS SHEET ONLY)

SEE NOTE 5 ON MECHANICAL/PLUMBING EQUIPMENT POWER SCHEDULE, SHEET E-302.

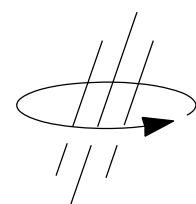
LA DEMAND CALCULATIONS				
	CONNECTED LOAD (VA)	DEMAND FACTOR	CALCULATED DEMAND (VA)	
TOTAL CONNECTED LOAD (VA)	33,386			
LIGHTING	3,486	1.25	4,358	
HVAC	0	1.00	0	
HVAC (CONTINUOUS)	0	1.25	0	
LARGEST MOTOR	0	1.25	0	
MOTOR LOAD	0	1.00	0	
RECEPTACLE (FIRST 10,000 VA)	10,000	1.00	10,000	
RECEPTACLE (GREATER THAN 10,000 VA)	19,300	0.50	9,650	
WATER HEATER	0	1.00	0	
KITCHEN EQUIPMENT (NEC 220.56)	0	0.65	0	
MISC LOADS	0	1.00	0	
DEMAND LOAD - VOLT-AMPERES			24,308	
DEMAND LOAD - 208V 3-PHASE AMPS			67.5	

LB DEMAND CALCULATIONS				
	CONNECTED LOAD (VA)	DEMAND FACTOR	CALCULATED DEMAND (VA)	
TOTAL CONNECTED LOAD (VA)	34,333			
LIGHTING	2,929	1.25	3,661	
HVAC	0	1.00	0	
HVAC (CONTINUOUS)	0	1.25	0	
LARGEST MOTOR	0	1.25	0	
MOTOR LOAD	0	1.00	0	
RECEPTACLE (FIRST 10,000 VA)	10,000	1.00	10,000	
RECEPTACLE (GREATER THAN 10,000 VA)	16,364	0.50	8,182	
WATER HEATER	4,500	1.00	4,500	
KITCHEN EQUIPMENT (NEC 220.56)	0	0.65	0	
MISC LOADS	0	1.00	0	
DEMAND LOAD - VOLT-AMPERES			26,643	
DEMAND LOAD - 208V 3-PHASE AMPS			74.0	

VOLTAGE PHASE 3 WIRE 4 BUS AMPS	120 600	208	PANEL MAIN AMPS	MDP 600	LOCATION MOUNTING MAIN	ELEC/STOR #2 SURFACE LUGS
DESCRIPTION	VOLT AMPS			BRKR NO	CT NO CONN	DESCRIPTION
HP-1	2787	2787	50	2	1	EXHP-1
AH-1	4295	4295	60	2	5	EXAH-1
HP-2	2787	2787	50	2	9	EXHP-2
AH-2	4295	4295	60	2	13	EXAH-2
HP-3	2787	2787	50	2	17	EXAH-3
AH-3	4295	4295	60	2	21	EXAH-3
SPACE			2	25	26	EXHP-3
SPACE			27	28	28	EXHP-3
PANEL LA	11418	11418	150	3	31	EXAH-3
PANEL LB	114401	11574	150	3	37	TVSS
TOTALS	39983	36836	33452			29700
VOLT AMPS	BUS A BUS B BUS C TOTAL	69683 66536 63552 199371	REMARKS: 13,121 AIC RATING MINIMUM PROVIDE FEED THRU LUGS.			

VOLTAGE PHASE 3 WIRE 4 BUS AMPS	120 225	208	PANEL MAIN AMPS	LA 150	LOCATION MOUNTING MAIN	ELEC/STOR #2 SURFACE LUGS
DESCRIPTION	VOLT AMPS			BRKR NO	CT NO CONN	DESCRIPTION
LIGHTS	1418	1418	20	1	1	FACP
LIGHTS	198	198	20	1	3	IT EQUIP
RCPTS	800	870	20	1	5	IT EQUIP
RCPTS	800	800	20	1	9	SPARE
RCPTS	800	800	20	1	11	RCPTS
RCPTS	1000	1000	20	1	13	RR RCPT
RCPTS	800	800	20	1	15	REFRIG.
RCPTS	1000	1000	20	1	17	BREAK RM RCPT
RCPTS	1000	1000	20	1	19	BREAK RM RCPT
RCPTS	1000	1000	20	1	21	RCPTS
RCPTS	1000	1000	20	1	23	RR RCPT
RCPTS	1400	1400	20	1	25	RR RCPT
RCPTS	1000	1000	20	1	27	RCPTS
RCPTS	800	1200	20	1	29	• EWC
RCPTS	800	800	20	1	31	RR RCPT
RCPTS	600	600	20	1	33	SECURITY EQUIP.
RCPTS	1000	1000	20	1	35	SPARE
RCPTS	1000	1000	20	1	37	SPARE
RCPTS	1000	1000	20	1	39	SPARE
SPARE			20	1	41	SPARE
SPARE			20	1	43	SPARE
SPARE			20	1	45	SPARE
SPARE			20	1	47	SPARE
SPACE			1	49	50	TVSS
SPACE			1	51	52	
SPACE			1	53	54	
TOTALS	7418	6398	5870			5000
VOLT AMPS	BUS A BUS B BUS C TOTAL	11418 11098 10870 33386	REMARKS: 11,690 AIC RATING MINIMUM 54 POLE PANEL • PROVIDE GFCI TYPE CIRCUIT BREAKER. PROVIDE FEED THRU LUGS.			

VOLTAGE PHASE 3 WIRE 4 BUS AMPS	120 225	208	PANEL MAIN AMPS	LB 150	LOCATION MOUNTING MAIN	ELEC/STOR #2 SURFACE LUGS
DESCRIPTION	VOLT AMPS			BRKR NO	CT NO CONN	DESCRIPTION
LIGHTS	1287	1287	20	1	1	RCPTS
LIGHTS	124	124	20	1	3	RCPTS
LIGHTS	518	518	20	1	5	RCPTS
RCPTS	1000	1000	20	1	7	RCPTS
RCPTS	800	800	20	1	9	RCPTS
RR RCPT	500	500	20	1	11	RCPTS
RR RCPT	500	500	20	1	13	RCPTS
RCPTS	1000	1000	20	1	15	RCPTS
RCPTS	1500	1500	20	1	17	RCPTS
COPIER	800	800	20	1	19	RCPTS/RCPT-I
RCPTS	800	800	20	1	21	RCPTS
RCPTS	800	800	20	1	23	RCPTS
RCPTS	800	800	20	1	25	RR RCPT
RR RCPT	500	500	20	1	27	SPARE
RCPTS	800	800	20	1	29	SPARE
BREAK RM RCPT	1500	1500	20	1	31	WH-I
BREAK RM RCPT	1500	1500	20	1	33	SPARE
• REFRIG	1000	1000	20	1	35	SPACE
ROOF RCPTS	400	400	20	1	37	SPACE
SPARE			20	1	39	SPACE
SPARE			20	1	41	SPACE
TOTALS	6987	5724	4218			4200
VOLT AMPS	BUS A BUS B BUS C TOTAL	114401 11574 8418 34393	REMARKS: 11,085 AIC RATING MINIMUM • PROVIDE GFCI TYPE CIRCUIT BREAKER. PROVIDE FEED THRU LUGS.			



EDC

ELECTRICAL DESIGN
CONSULTANTS

ELECTRICAL ENGINEERS
MACON OFFICE - PROJECT #: M25065
edc1973.com

ph
design

PARK + HIGGINS DESIGN, LLC
4545 FORSYTH ROAD, MACON, GEORGIA 31210

brannen.park@parkhigginsdesign.com

478.972.9329

david.higgins@parkhigginsdesign.com

205.612.9110

THIS DRAWING IS THE PROPERTY OF PARK + HIGGINS DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN, AND IS NOT TO BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT, OR REPRODUCED IN WHOLE OR IN PART, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION.

SEAL



08-01-2025

RENOVATIONS AND MODIFICATIONS FOR
CROSSROADS CHRISTIAN COUNSELING
CENTER, INC.

717 NORTH AVENUE
MACON, GEORGIA 31211

REVISION	DATE	DESCRIPTION

SHEET TITLE

ELECTRICAL
SCHEDULES

JOB NUMBER
25-CC-01

DATE
08-01-2025

SHEET NUMBER

E-401