

LEGEND

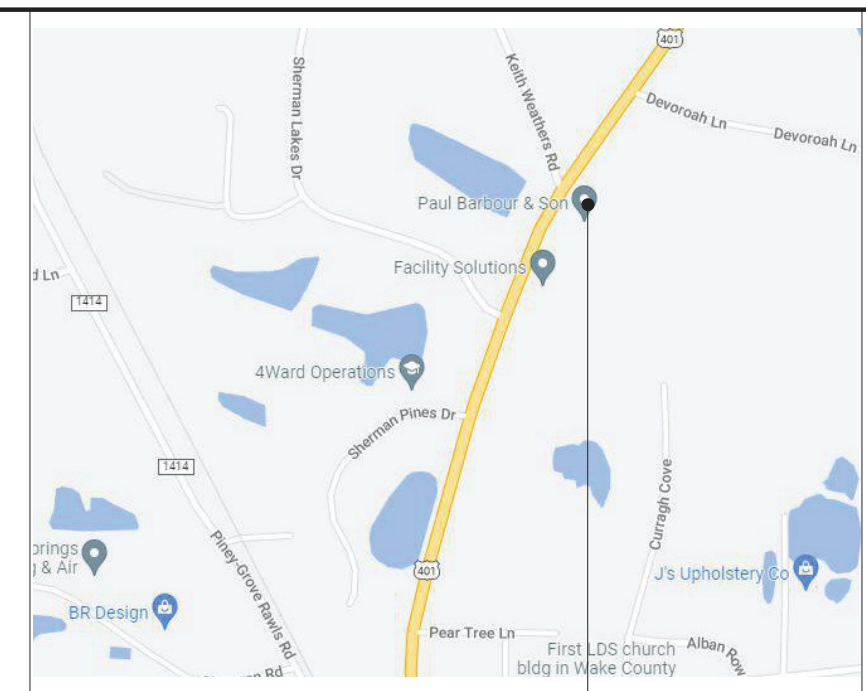
	CONCRETE		NORTH ARROW		ELEVATION REFERENCE SHEET NO.		SPACE TAG
	STONE FILL		CENTERLINE		DRAWING NO.		ROOM NAME
	CONCRETE MASONRY		COLUMN CENTERLINE		ELEVATION REFERENCE SHEET NO.		ROOM NO.
	BRICK		10'-0" F.F.E.		DRAWING NO.		ROOM INFO.
	STEEL		SPOT ELEVATION		SECTION REFERENCE DRAWING NO. SHEET NO.		DOOR TAG
	ALUMINUM		REVISION AREA		DETAIL REFERENCE DRAWING NO. SHEET NO.		WINDOW TAG
	PLYWOOD		REVISION NUMBER		WALL TAG		
	FINISH WOOD		CEILING ELEVATION				
	GYPSUM WALLBOARD						
	EARTH						
	BATT. INSULATION						
	RIGID INSULATION						
	BLOCKING						

ABBREVIATIONS

A.B.	ANCHOR BOLT	E	EAST	INT.	INTERIOR	REQD.	REQUIRED
ACoust.	ACOUSTICAL	EA	EACH	J.B.	JOIST BEARING	RESL.	RESILIENT
ACT	ACOUSTICAL CEILING TILE	E.B.	EXPANSION BOLT	JT.	JOINT	REV.	REVISION
A.F.F.	ABOVE FINISH FLOOR	E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	LAM.	LAMINATED	RM	ROOM
ALUM.	ALUMINUM	E.J.	EXPANSION JOINT	LF	LINEAR FEET	R.O.	ROUGH OPENING
APPROX.	APPROXIMATELY	EL	ELEVATION (FLOOR)	LG	LONG, LARGE	ROMTS.	REQUIREMENTS
ARCH.	ARCHITECT, ARCHITECTURAL	ELEV.	ELEVATION	LH	LONG LEG HORIZONTAL	RTU	ROOF TOP UNIT
BD.	BOARD	ELEC.	ELECTRICAL	LLV	LONG LEG VERTICAL	R.W.L.	RAIN WATER LEADER
BLDG.	BUILDING	EQ.	EQUAL	L.P.	LOW POINT	SCHED.	SCHEDULE
BLK.	BLOCK	EQUIP.	EQUIPMENT	MAS.	MASONRY	S.F.	SQUARE FEET
BM.	BEAM	E.W.	EACH WAY	MATL.	MATERIAL	SHT.	SHEET
B.O.S.	BOTTOM OF STEEL	EWG	ELECTRIC WATER COOLER	MAX.	MAXIMUM	SM.	SMILAR
BRG.	BEARING	EXST.	EXISTING	MECH.	MECHANICAL	S.M.S.	SHEET METAL SCREW
BS	BOTH SIDES	EXP.	EXPOSED, EXPANSION	MED.	MEDIUM	SPECS	SPECIFICATIONS
BTM.	BOTTOM	EXT.	EXTERIOR	MFR.	MANUFACTURER	SQ.	SQUARE
BUR	BUILT-UP ROOF	F.D.	FLOOR DRAIN	MIN.	MINIMUM	S.S.	STAINLESS STEEL
C.I.	CAST IRON	F.E.	FIRE EXTINGUISHER	MISC.	MISCELLANEOUS	STD.	STANDARD
C.J.	CONTROL JOINT	F.F.E.	FINISH FLOOR ELEVATION	MCO	MASONRY OPENING	STL.	STEEL
C.T.	CERAMIC TILE	F.O.	FACE OF	M.R.	MOISTURE-RESISTANT	STOR.	STORAGE
CAB.	CABINET	FIN.	FINISH	M.R.G.B.	MOISTURE-RESISTANT GYPSUM BOARD	STRUCT.	STRUCTURAL
CEM.	CEMENTITIOUS	FL.F.R.	FLOOR	MTD.	MOUNTED	SUSP.	SUSPENDED
CG	CORNER GUARD	FLUOR.	FLUORESCENT	MTL.	METAL	T	TREAD
CLR.	CLEAR	FDN.	FOUNDATION	N	NORTH	T/B	TOP & BOTTOM
CLNG.	CEILING	F.S.	FLOOR SINK	N/C.	NOT IN CONTRACT	TEL	TELEPHONE
CMU	CONCRETE MASONRY UNIT	FTG.	FOOTING	NO. #	NUMBER	T/O	TOP OF
CO	CLEAN OUT	G.C.	GENERAL CONTRACTOR	NTS	NOT TO SCALE	T.O.M.	TOP OF MASONRY
COL	COLUMN	GA.	GAUGE	O/A	OVERALL	T.O.S.	TOP OF STEEL
CONC.	CONCRETE	GALV.	GALVANIZED	O.F.D.	OVERFLOW DRAIN	TH	THICKNESS
CONST.	CONSTRUCTION	GEN.	GENERAL	OW	OVERHEAD	TYP.	TYPICAL
CONT.	CONTINUOUS	GL.	GLASSGLAZING	O/D	OUT TO OUT	ULL	UNDERWRITERS LABORATORY
CONTR.	CONTRACTOR	GWB	GYPSUM WALLBOARD	O.C.	ON CENTER	U.O.N.	UNLESS OTHERWISE NOTED
CPT.	CARPET	GYP.	GYPSUM	O.D.	OUTSIDE DIAMETER	V	VOLT
CR	CARTRAIL/CHAIRRAIL	H	HIGH	OPNG.	OPENING	VCT	VINYL COMPOSITION TILE
CSX	COUNTERSINK	HB	HOSE BIBB	OPP.	OPPOSITE	VERT.	VERTICAL
D	DEPTH	HC	HANDICAPPED	P	PAINT	W	WEST, WIDTH, WASTE, WIRE
DBL	DOUBLE	HDW	HARDWARE	P	PIECE	W/	WITH
DEMO	DEMOLITION	H.M.	HOLLOW METAL	PL.	PLATE	W.C.	WATER CLOSET
DET.	DETAIL	HORIZ.	HORIZONTAL	PLAS.	PLASTER, PLASTIC	WD.	WOOD
DI.	DIAMETER	H.P.	HIGH POINT	PLYWD.	PLYWOOD	WT	WEIGHT
DN	DOWN	HT	HEIGHT	PTD.	PAINTED	WH	WATER HEATER
DM.	DIMENSION	HVAC	HEATING, VENTILATION & AIR CONDITIONING	QUAN.	QUANTITY	W/	WITHIN
D.O.	DOOR OPENING	I.D.	INTERIOR DIAMETER	Q.T.	QUARRY TILE	W/O	WITHOUT
D.S.	DOOR SWING	INCL.	INCLUDE	R	RADIUS, RISER	W/WF	WELDED WIRE FABRIC
DWG.	DRAWING	INSUL.	INSULATION	R.D.	ROOF DRAIN	X	EXISTING TO REMAIN
				REINF.	REINFORCING	XTR	EXISTING TO BE REMOVED

NEW BUILDING for PAUL BARBOUR & SONS

11496 HWY 401N
FUQUAY-VARINA, NC 27526



VICINITY MAP

SEPARATE CONTRACTS:

INCLUDING, BUT NOT LIMITED TO:
SECURITY AND TELECOMMUNICATIONS: THE OWNER SHALL CONTRACT WITH SEPARATE FIRMS TO PROVIDE SECURITY AND TELECOMMUNICATIONS EQUIPMENT AND INSTALLATION. GENERAL CONTRACTOR SHALL PROVIDE BOXES AND CONDUIT AS INDICATED IN THESE DRAWINGS.

Sheet #	DESCRIPTION	ISSUED FOR CONSTRUCTION	LATEST REVISION
GENERAL			
G101	COVER SHEET	5/24/2022	
G102	BUILDING CODE SUMMARY	5/24/2022	
G103	LIFE SAFETY PLANS	5/24/2022	
G104	UL DETAILS	5/24/2022	
ARCHITECTURAL			
A101	1st FLOOR PLAN	5/24/2022	
A102	2nd FLOOR PLAN	5/24/2022	
A103	ENLARGED FLOOR PLAN	5/24/2022	
A301	REFLECTED CEILING PLAN	5/24/2022	
A401	DOOR and WINDOW SCHEDULES	5/24/2022	
A501	BUILDING ELEVATIONS	5/24/2022	
A502	BUILDING ELEVATIONS	5/24/2022	
A601	BUILDING SECTION	5/24/2022	
A701	EXTERIOR STAIR	5/24/2022	
A702	INTERIOR STAIRS	5/24/2022	
PLUMBING			
P1	PLUMBING NOTES AND SCHEDULES	5/24/2022	
P2	PLUMBING WASTE PLANS AND RISER	5/24/2022	
P3	PLUMBING SUPPLY PLANS AND RISER	5/24/2022	
MECHANICAL			
M1	MECHANICAL NOTES AND SCHEDULES	5/24/2022	
M2	MECHANICAL PLANS	5/24/2022	
ELECTRICAL			
E1	ELECTRICAL NOTES, SCHEDULES AND RISER	5/24/2022	
E2	ELECTRICAL POWER PLANS	5/24/2022	
E3	ELECTRICAL LIGHTING PLANS	5/24/2022	
E4	ELECTRICAL DETAILS	5/24/2022	

GENERAL NOTES

- GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND IN THE PLANS, DETAILS AND/OR SPECIFICATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL BEAR RESPONSIBILITY FOR VERIFYING COMPLIANCE OF SHOP DRAWINGS WITH THE CONTRACT DOCUMENTS PRIOR TO ORDERING MATERIALS OR BEGINNING FABRICATION.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK INCLUDED IN THE CONTRACT DOCUMENTS. ALL CORRESPONDENCE FROM THE SUBCONTRACTORS SHALL BE THROUGH THE GENERAL CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES AND STATUTES, WHETHER SPECIFICALLY REFERENCED BY THE PLANS OR NOT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND SECURING REQUIRED INSPECTIONS.
- BUILDING SIGNAGE IS TO BE PROVIDED UNDER SEPARATE CONTRACT BY OTHERS.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SIGNAGE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (A.D.A.), ICC/ANSI A117.1-2009, AND THE LATEST EDITION OF THE NORTH CAROLINA BUILDING CODE.
- ALL MATERIALS ARE TO BE NEW UNLESS OTHERWISE NOTED.
- ANY DEFECTIVE WORK AND ANY DAMAGE RESULTING THEREFROM SHALL BE REPAIRED AT NO COST TO THE OWNER.
- ALTHOUGH THESE DRAWINGS ARE DRAWN TO SCALE, NO DIMENSIONS ARE TO BE DETERMINED BY SCALING THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- CONTRACTOR IS RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING OF ALL REFUSE FROM THE PROJECT.
- NO SMOKING WILL BE PERMITTED INSIDE THE PROJECT AREA.
- CONTRACTOR SHALL PROVIDE BLOCKING AS REQUIRED TO SUPPORT ALL CONTRACTOR-SUPPLIED AND OWNER-SUPPLIED WALL-HUNG EQUIPMENT OR CASEWORK. CONFIRM LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- THE ADJACENT SITE MAY BE OCCUPIED BY THE PUBLIC DURING CONSTRUCTION. THE G.C. SHALL TAKE ALL PRECAUTIONS NECESSARY TO SAFEGUARD THE HEALTH AND WELFARE OF THE PUBLIC. ALL REQUIRED MEANS OF EGRESS SHALL BE KEPT CLEAR AND ACCESSIBLE AT ALL TIMES.
- THE GENERAL CONTRACTOR SHALL THOROUGHLY REVIEW MANUFACTURER'S LITERATURE AND SHOP DRAWINGS FOR ALL FIXTURES AND/OR EQUIPMENT (WHETHER PROVIDED BY THE OWNER, TENANT OR CONTRACTOR) PRIOR TO ROUGH-IN FOR UTILITIES. CONFIRM ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
- LABEL ALL FIRE-RATED WALLS ABOVE CEILING AS REQUIRED BY NC BUILDING CODE 2018, SECTION 703.7. SUGGESTED WORDING: " - HR RATED FIRE AND/OR SMOKE BARRIER. PROTECT ALL OPENINGS."
- G.C. SHALL PROVIDE KNOX BOX, IF REQUIRED BY LOCAL JURISDICTION.

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

Reviewed for Code Compliance

06/09/2022



GONTRAM ARCHITECTURE, INC.
5100 UNICON DR. SUITE 103
WAKE FOREST, NC 27587
PHONE: 919.876.5333
eddie@gontramarchitecture.com
www.gontramarchitecture.com

Copyright 2022
THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



**NEW BUILDING
for PAUL BARBOUR & SONS**
11496 HWY 401N
FUQUAY-VARINA, NC 27526

PLOT DATE: 5/24/2022
ISSUED: 5/24/2022
FOR CONSTRUCTION

Rev.	Date	Description

DRAWN BY: PJA	APPROVED: E.J.G.
PROJECT NO.: 22039	RECORD:

CONTENTS:
COVER SHEET

SHEET:
G101

CIVIL AND STRUCTURAL DRAWINGS BY OTHERS

BUILDING CODE SUMMARY

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT FOR 1 AND 2- FAMILY DWELLINGS AND TOWNHOUSES)

NAME OF PROJECT: NEW OFFICE BUILDING FOR PAUL BARBOUR AND SONS
ADDRESS: 11496 HWY 401 N. ZIP CODE: 27526
PROPOSED USE: OFFICE
OWNER OR AUTHORIZED AGENT: BARRY BARBOUR PHONE: 910-520-8205 E-MAIL: barbour@pbarbourandsons.com

CONTACT: EDMUND J. GONTRAM III, AIA GONTRAM ARCHITECTURE, INC.

Table with columns: DESIGNER, FIRM, NAME, LICENSE#, TELEPHONE#, E-MAIL. Lists various engineering and architectural firms involved in the project.

2018 NC BUILDING CODE: NEW BUILDING ADDITION RENOVATION 1st TIME INTERIOR COMPLETION
SHELL/CORE PHASED CONSTRUCTION - SHELL/CORE

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

CONSTRUCTED: (date) CURRENT OCCUPANCY(S) (Ch.3)
RENOVATED: (date) PROPOSED OCCUPANCY(S) (Ch.3) B
OCCUPANCY CATEGORY (Table 1604.5): Current: Proposed: II

SCOPE OF WORK: NEW TWO-STORY WOOD FRAMED BUILDING, APPROXIMATELY 2200 GSF
PER FLOOR TO BE USED FOR BUSINESS OFFICES

BASIC BUILDING DATA

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

SPRINKLERS: NO PARTIAL YES NFPA 13 NFPA 13R NFPA 13D
STANDPIPES: NO YES CLASS: I II III IV V WET DRY
FIRE DISTRICT: NO YES FLOOD HAZARD AREA: NO YES
SPECIAL INSPECTIONS REQUIRED: NO

GROSS BUILDING AREA TABLE

Table with columns: FLOOR, EXISTING (SQ. FT.), NEW (SQ. FT.), SUB-TOTAL. Lists floor areas for 4th, 3rd, 2nd, 1st floor and basement.

PROJECT AREA: 4,412 SF

ALLOWABLE AREA

PRIMARY OCCUPANCY CLASSIFICATION(S):

ASSEMBLY: A-1 A-2 A-3 A-4 A-5

BUSINESS

EDUCATIONAL

FACTORY: F-1 Moderate F-2 Low

HIGH-HAZARD: H-1 (Detonate) H-2 (Deflagrate) H-3 (Combust) H-4 (Health) H-5 (HPM)

INSTITUTIONAL: I-1 Condition I 1 2

I-2 Condition I 1 2

I-3 Condition I 1 2

I-4

MERCANTILE

RESIDENTIAL: R-1 R-2 R-3 R-4

STORAGE: S-1 Moderate S-2 Low High-Piled

Parking Garage Open Enclosed Repair Garage

UTILITY AND MISCELLANEOUS

ACCESSORY OCCUPANCY CLASSIFICATION(S):

INCIDENTAL USES (TABLE 509):

SPECIAL USES (CHAPTER 4 - List code sections):

SPECIAL PROVISIONS (CHAPTER 5 - List code sections):

MIXED OCCUPANCY: NO YES SEPARATION 1-HR 2-HR 3-HR 4-HR

EXCEPTION

NON-SEPARATED MIXED OCCUPANCY (508.3)

The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

SEPARATED MIXED OCCUPANCY (508.4) - SEE BELOW FOR AREA CALCULATIONS

For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

Formulas for calculating mixed occupancy area: ACTUAL AREA OF OCCUPANCY A / ALLOWABLE AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B / ALLOWABLE AREA OF OCCUPANCY B <= 1

Table with columns: STORY NO., DESCRIPTION AND USE, (A) BLDG AREA PER STORY (ACTUAL), (B) TABLE 506.2 AREA, (C) AREA FOR FRONTAGE INCREASE, (D) ALLOWABLE FLOOR AREA OR UNLIMITED. Shows 2 stories of business use.

1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase I = 100[F/P - 0.25] x W/30 = (%)
2 Unlimited area applicable under conditions of Section 507.
3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
4 The maximum area of open parking garages must comply with Table 406.5.4.
5 Frontage increase is based on the un-sprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

Table with columns: BUILDING HEIGHT IN FEET (TABLE 504.3), ALLOWABLE, SHOWN ON PLANS, CODE REFERENCE. Shows height limits for 2 and 4 stories.

1 Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
2 The maximum height of air traffic control towers must comply with Table 412.3.1.
3 The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

Table with columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATING, DETAIL # AND SHEET #, DESIGN # FOR RATED ASSEMBLY, DESIGN # FOR RATED PENETRATION, DESIGN # FOR RATED JOINTS. Lists fire protection details for structural frame, bearing walls, nonbearing walls, floor construction, etc.

* INDICATE SECTION NUMBER PERMITTING REDUCTION.

PERCENTAGE OF WALL OPENINGS CALCULATIONS

Table with columns: FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES, DEGREE OF OPENINGS PROTECTION (TABLE 705.8), ALLOWABLE AREA (%), ACTUAL SHOWN ON PLANS (%). Shows 30 FT separation with no openings.

LIFE SAFETY SYSTEM REQUIREMENTS

EMERGENCY LIGHTING: NO YES
EXIT SIGNS: NO YES
FIRE ALARM: NO YES
SMOKE DETECTION SYSTEMS: NO YES PARTIAL
CARBON MONOXIDE DETECTION: NO YES

LIFE SAFETY PLAN REQUIREMENTS

LIFE SAFETY PLAN SHEET #: T-103

- List of requirements for life safety plans including fire and smoke rated wall locations, exit door clear widths, occupant load calculations, and door hardware specifications.

ACCESSIBLE DWELLING UNITS (SECTION 1107) (NOT APPLICABLE)

Table with columns: TOTAL UNITS, ACCESSIBLE UNITS REQUIRED, ACCESSIBLE UNITS PROVIDED, TYPE A UNITS REQUIRED, TYPE A UNITS PROVIDED, TYPE B UNITS REQUIRED, TYPE B UNITS PROVIDED, TOTAL ACCESSIBLE UNITS PROVIDED.

ACCESSIBILITY PARKING (SECTION 1106)

Table with columns: LOT OR PARKING AREA, TOTAL # OF PARKING SPACES REQUIRED, PROVIDED, # OF ACCESSIBLE SPACES PROVIDED, TOTAL # ACCESSIBLE PROVIDED. Shows 2 accessible spaces provided.

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

Table with columns: USE, WATER CLOSETS, URINALS, LAVATORIES, SHOWERS/TUBS, DRINKING FOUNTAINS. Lists fixture requirements for existing and new buildings.

SPECIAL APPROVALS

SPECIAL APPROVAL: (Local Jurisdiction, Department of Insurance, OSC, DPL, DHHS, etc. describe below) (NOT APPLICABLE)

ENERGY SUMMARY

ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each designer shall furnish the required portions of the project information for the plan data sheet.

THERMAL ENVELOPE (Prescriptive method only)
ROOF/CEILING ASSEMBLY (each assembly)
EXTERIOR WALLS (each assembly)
WALLS BELOW GRADE (each assembly)
FLOORS OVER UNCONDITIONED SPACE (each assembly)
FLOORS SLAB ON GRADE (each assembly)

STRUCTURAL DESIGN

DESIGN LOADS: IMPORTANCE FACTORS: SNOW (Is) 1.0 SEISMIC (Ie) 1.0
LIVE LOADS: ROOF 20 (reducible) PSF MEZZANINE n/a PSF FLOOR 50 (office) 80 (comedor) PSF
GROUND SNOW LOAD: 15 PSF
WIND LOAD: BASIC WIND SPEED 115 MPH (ASCE-7) EXPOSURE CATEGORY B

SEISMIC DESIGN CATEGORY: A B C D
Risk Category (Table 1604.5): I II III IV
Spectral Response Acceleration: .172 %g Ss .063 %g Si
Site Classification (ASCE-7): A B C D E F
Basic Structural System: Bearing Wall Dual w/Special Moment Frame Building Frame Dual w/intermediate RC or Special Steel Moment Frame Inverted Pendulum
Analysis Procedure: Simplified Equiv. Lateral Force Dynamic
Architectural, Mechanical, Components anchored? Yes No
LATERAL DESIGN CONTROL: Earthquake Wind
SOIL BEARING CAPACITIES: Field Test (provide copy of test report) 2000 psf Presumptive Bearing Capacity Pile size, type, and capacity

ELECTRICAL SYSTEM AND EQUIPMENT (SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ENERGY CODE CALCULATIONS.)

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT (SEE MECHANICAL DRAWINGS FOR MECHANICAL ENERGY CODE CALCULATIONS.)



GONTRAM ARCHITECTURE, INC.

5100 UNICON DR. SUITE 103 WAKE FOREST, NC 27587 PHONE: 919.876.5333

eddie@gontramarchitecture.com www.gontramarchitecture.com

Copyright 2022 THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



NEW BUILDING for PAUL BARBOUR & SONS 11496 HWY 401N FUQUAY-VARINA, NC 27526

Table with columns: PLOT DATE (5/24/2022), ISSUED (5/24/2022), FOR CONSTRUCTION, Rev, Date, Description.

DRAWN BY: PJA APPROVED: EJG
PROJECT NO.: 22039 RECORD:

CONTENTS: BUILDING CODE SUMMARY

SHEET:

G102

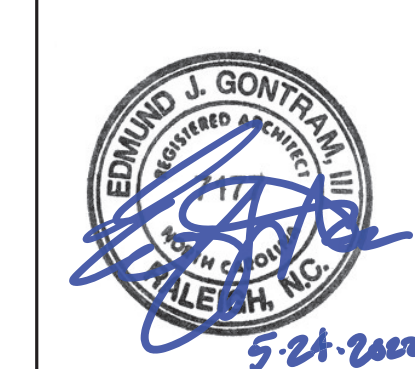


GONTRAM ARCHITECTURE, INC.

5100 UNICON DR. SUITE 103
WAKE FOREST, NC 27587
PHONE: 919.876.5333

eddie@gontramarchitecture.com
www.gontramarchitecture.com

© Copyright 2022
THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



NEW BUILDING
for PAUL BARBOUR & SONS
11496 HWY 401N
FUQUAY-VARINA, NC 27526

PLOT DATE:
5/24/2022
ISSUED:
5/24/2022
FOR CONSTRUCTION

Rev.	Date	Description

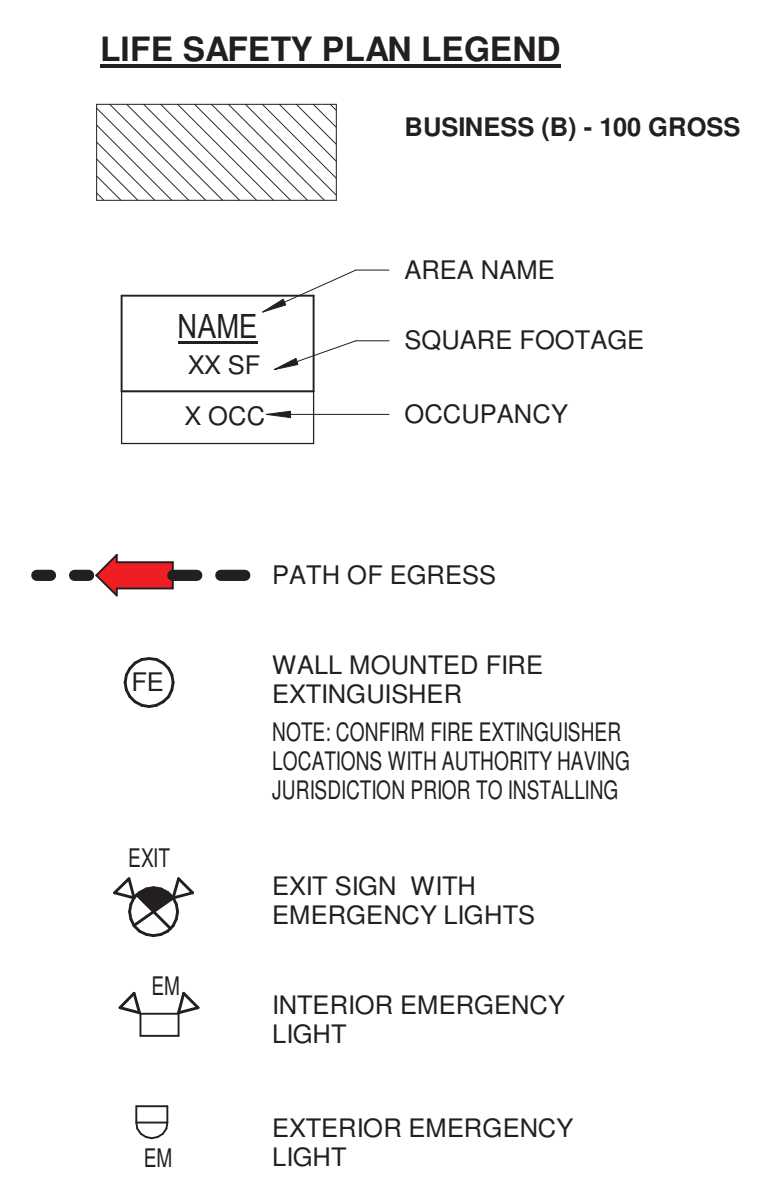
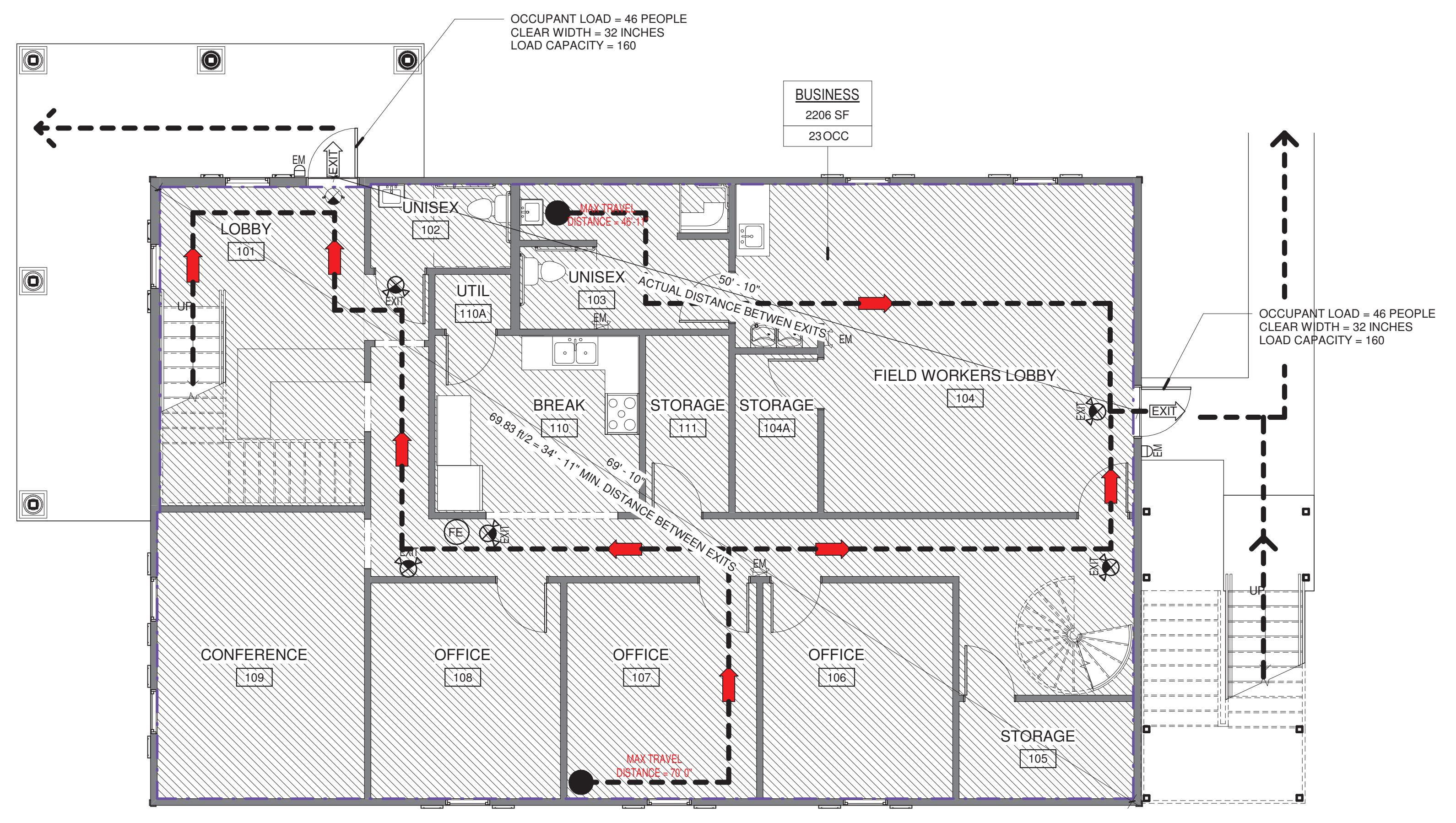
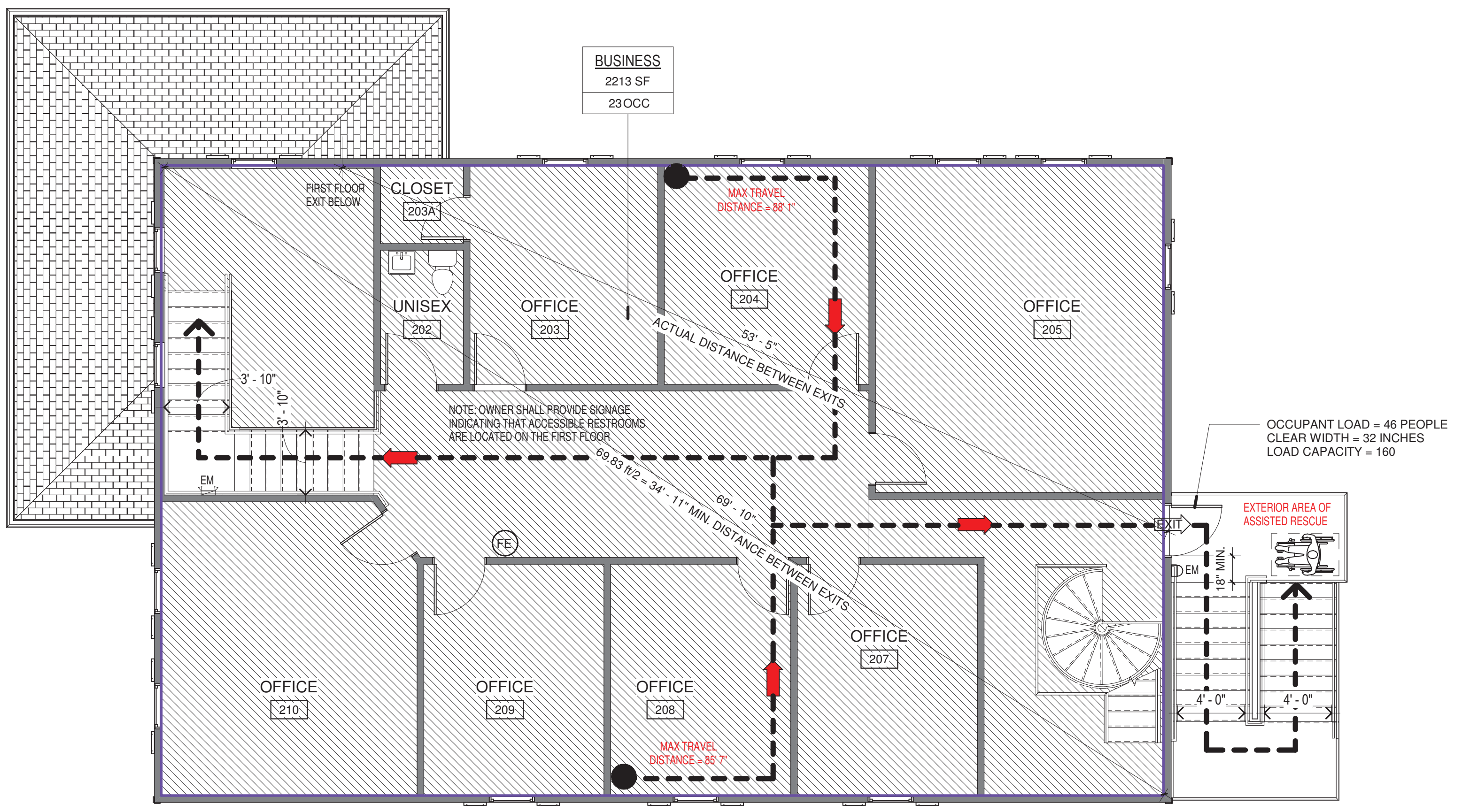
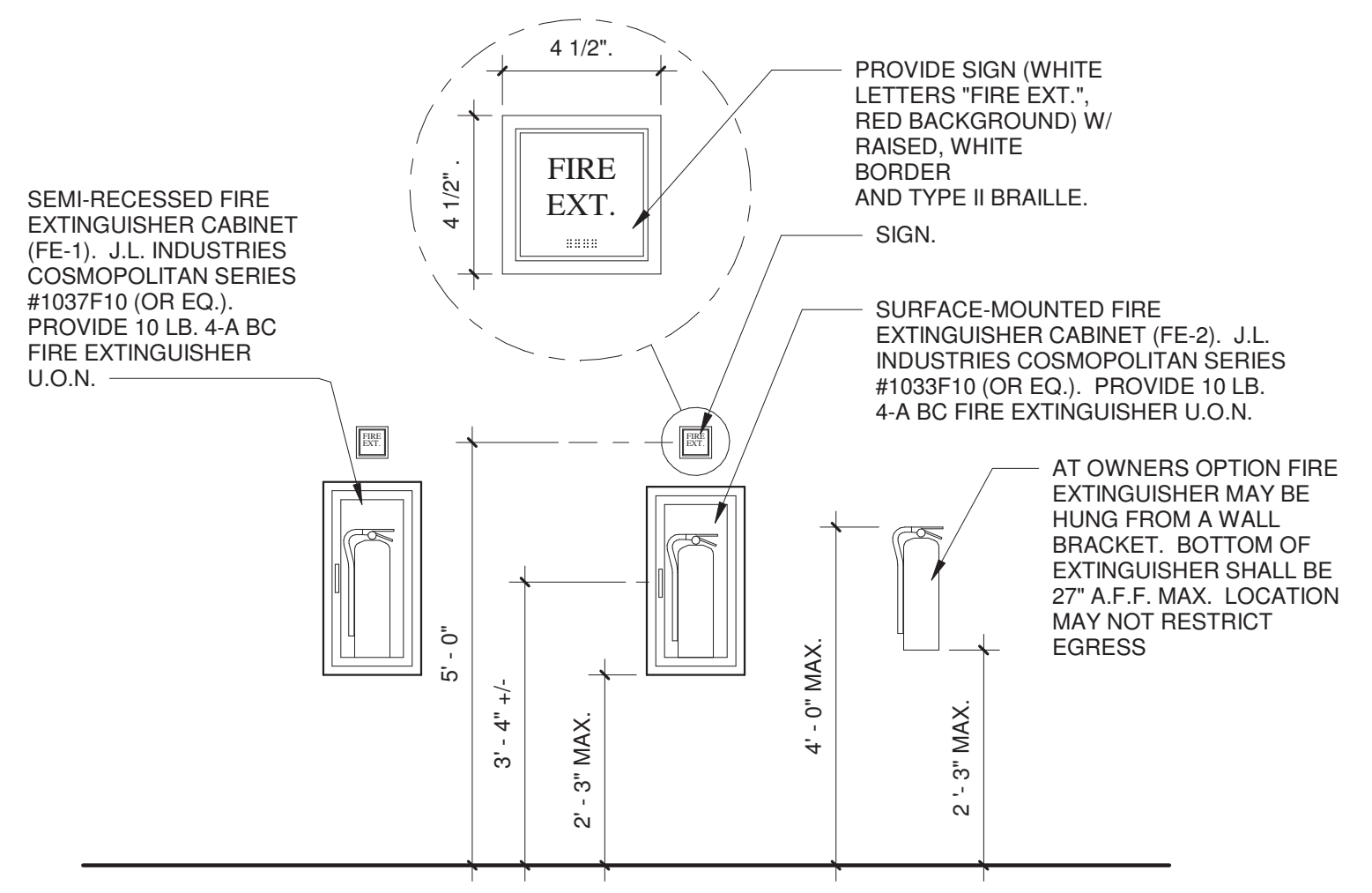
DRAWN BY: PJA APPROVED: EJG

PROJECT NO.: 22039 RECORD:

CONTENTS:
LIFE SAFETY PLANS

SHEET:

G103





GONTRAM ARCHITECTURE, INC.

5100 UNICON DR., SUITE 103
WAKE FOREST, NC 27587
PHONE: 919.876.5331

eddie@gontramarchitecture.com
www.gontramarchitecture.com

© Copyright 2022

THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



NEW BUILDING
for PAUL BARBOUR & SONS
11496 HWY 401N
FUQUAY-VARINA, NC 27526

PLOT DATE:
5/24/2022
ISSUED:
5/24/2022
FOR CONSTRUCTION

Rev.	Date	Description

DRAWN BY:
PJA
APPROVED:
EJG

PROJECT NO.:
22039
RECORD:

CONTENTS:
UL DETAILS

SHEET:
G104

517022, 2:35 PM BXU/U344 - Fire-resistance Ratings - ANSIUL 263 | UL Product IQ

When Item 6-60, **Steel Framing Members**™ is used, gypsum panels attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 7 in. OC.

PANEL KEY 5 A — Type FRX2

6. **Steel Framing Members**™ — (Optional, Not Shown) — Furring Channels and Steel Framing Members as described below:
a. Furring Channels™ — Formed of No. 25 MSG galv steel, 2-3/8 in. x 2-3/32 in. wide by 7/8 in. deep, spaced 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 8. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Items 4 and 5.
b. Steel Framing Members™ — Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSC-1 clip for use with 2-3/16 in. wide furring channels. RSC-1 (2-1/3) clip for use with 2-23/32 in. wide furring channels.
INC. INTERNATIONAL L.L.C.™ — Type RSC-1, RSC-1 2/3.

6A. **Steel Framing Members**™ — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. Furring Channels™ — Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 8. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 5.
b. Steel Framing Members™ — Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSC-1 clip for use with 2-3/16 in. wide furring channels. RSC-1 (2-1/3) clip for use with 2-23/32 in. wide furring channels.
INC. INTERNATIONAL L.L.C.™ — Type RSC-1, RSC-1 2/3.

6B. **Steel Framing Members**™ — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. Furring Channels™ — Formed of No. 25 MSG galv steel, spaced 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 8. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 5.
b. Steel Framing Members™ — Used to attach furring channels (Item 6Ba) to studs. Clips spaced 48 in. OC, and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUCCO BUILDING SYSTEMS™ — RESUMOUNT Sound Isolator Clips - Type A27K

6C. **Steel Framing Members**™ — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. Furring Channels™ — Formed of No. 25 MSG galv steel, spaced 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 6Cb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 5.
b. Steel Framing Members™ — Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

6D. **Steel Framing Members**™ — (Optional, Not Shown, As an alternate to Item 6) — Resilient channels and Steel Framing Members as described below:
a. Resilient Channels™ — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item 8. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 x 1-1/2 in. Phillips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5.
b. Steel Framing Members™ — Used to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOI AMERICA™ — Type SonuClip

6E. **Steel Framing Members**™ — (Optional, Not Shown, As an alternate to Item 6) — Resilient channels and Steel Framing Members as described below:
a. Resilient Channels™ — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item 8. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 x 1-1/2 in. Phillips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5.
b. Steel Framing Members™ — Used to attach furring channels (Item 6Ea) to studs (Item 1). Rails secured to stud, spaced a maximum of 24 in. OC. Rail secured to stud, spaced 16 in. OC. Intersected between partition wall studs to be flush with the 2 3/4 in. studs. The wall partition wood studs are to be framed by with a second 2 3/4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC. Second layer: 1-5/8 in. long, spaced 1 inch from the edge and 12 in. OC.

6F. **Steel Framing Members**™ — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. Furring Channels™ — Formed of No. 25 MSG galv steel, spaced 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 6Fb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Two layers of gypsum board attached to furring channels as described in Item 5.
b. Steel Framing Members™ — Used to attach furring channels (Item 6Fa) to studs (Item 6). Rails secured to stud, spaced a maximum of 24 in. OC. Rail secured to stud, spaced 16 in. OC. Intersected between partition wall studs to be flush with the 2 3/4 in. studs. The wall partition wood studs are to be framed by with a second 2 3/4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC. Second layer: 1-5/8 in. long, spaced 1 inch from the edge and 12 in. OC.

6G. **Steel Framing Members**™ — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. Furring Channels™ — Formed of No. 25 MSG galv steel, 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 8. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 5.
b. Steel Framing Members™ — Used to attach furring channels (Item 6Ga) to studs. Clips spaced 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
CLARIDIETECH BUILDING SYSTEMS™ — Type ClarDiTech Screw Clip

7. **Non-Bearing Wall Partition Intersection**™ — (Optional) — Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud, nailed together with two 3-1/2 in. long 10d nails spaced a max. 16 in. OC, vertically and fastened to one side of the minimum 1 1/2 in. stud with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Intersection between partition wood studs to be flush with the 2 3/4 in. studs. The wall partition wood studs are to be framed by with a second 2 3/4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Minimum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.
 Last Updated on 2022-03-25

https://ul.updreport.com/in/profile?n=14918 8

517022, 2:35 PM BXU/U344 - Fire-resistance Ratings - ANSIUL 263 | UL Product IQ

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assembly, Construction, Design, System, and/or Certification (if any) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: © 2022 UL LLC

https://ul.updreport.com/in/profile?n=14918 8

517022, 2:35 PM BXU/U344 - Fire-resistance Ratings - ANSIUL 263 | UL Product IQ

4C. Wall and Partition Facings and Accessories™ — (As an alternate to Items 4, 4A, 4B) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and secured as described in Item 4.
PARCO BUILDING PRODUCTS L.L.C. DBA PARCO GYPSUM™ — Type Quarterlock S27.

4D. Gypsum Board™ — (As an alternate to Item 4) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CERTAINTED GYPSUM INC.™ — Type LGFCA (Finish rating 21 min), Type LGFCA Type LGFC-G/A, Type LGFC-W/D, Type LGXL

4E. Gypsum Board™ — (As an alternate to Item 4) — 5/8 in. thick, 4 ft wide, applied horizontally or vertically. Attached to studs through plywood sheathing with 6d cement coated nails, 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam head nails spaced 7 in. OC along studs and at perimeter of panels. When used in widths other than 48 in., wallboard is to be installed horizontally. Joints exposed or covered with tape and compound.
Steel Framing Members™ (Item 6 or any alternate clip) is used, gypsum panels attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 7 in. OC.

PANEL KEY 5 A — Type FRX2

5. Gypsum Board™ — 5/8 in. thick, 4 ft wide applied horizontally or vertically. Attached to studs or blocking at 7 in. OC with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam and 5/16 in. diam heads. When used in widths other than 48 in., wallboard to be installed horizontally. Joints exposed or covered with tape and compound.
INC. INTERNATIONAL L.L.C.™ — Type FRX2.

AMERICAN GYPSUM CO.™ — Types AGX-1, M-Glass, AG-C, Lightloc

CABOT MANUFACTURING ULC.™ — 5/8 Type X, Type Blueglas Exterior Sheathing

COC INC.™ — Type AR, C, IP-X1, IP-X2, IPC-AR, SCX, ULX, USGX, WRX

CERTAINTED GYPSUM INC.™ — Types LGFCS, LGFC6A, LGFC-C, LGFC-G/A

GEORGIA-PACIFIC GYPSUM L.L.C.™ — Type TG-C, GreenGlas Type X, Type DGG

NATIONAL GYPSUM CO.™ — Types FSK, FSK-G, FSW, FSW-3, FSW-6, FSW-G, FSK-C, FSW-C, FSW-R, FSL, FSW-8

PARCO BUILDING PRODUCTS L.L.C. DBA PARCO GYPSUM™ — Types PG-11, PG5-WRS, PG

UNITED STATES GYPSUM CO.™ — Type AR, C, FRX-G, FR-X1, IP-X2, IPC-AR, SCX, ULX, ULX, USGX or WRX

USG BORAL DRYWALL SZF LLC.™ — Types C, SCX, USGX

USG MEXICO S A DE CV™ — Type AR, C, IP-X1, IP-X2, IPC-AR, SCX, ULX, USGX or WRX

5A. Gypsum Board™ — (As an alternate to Item 5) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum boards are to be installed horizontally. Joints exposed or covered with tape and compound.
AMERICAN GYPSUM CO.™ — Types AGX-1, M-Glass, AG-C, Finished Rating: 23 minutes, Lightloc

CERTAINTED GYPSUM INC.™ — Type C, Type X or Type X-1 (Finished Rating is 23 minutes), Type EGRG, Type GlasRock, GlasRock 2.

COC INC.™ — Type AR, C, IP-X2, IPC-AR, SCX, SHK, ULX, ULX, USGX, WRX or WRX (Finished Rating is 24 minutes)

https://ul.updreport.com/in/profile?n=14918 4

517022, 2:35 PM BXU/U344 - Fire-resistance Ratings - ANSIUL 263 | UL Product IQ

NATIONAL GYPSUM CO.™ — Type FSK, Type FSK-G, Type FSW, Type FSW-3, Type FSW-G, Type FSW-G, Type FSK-C, Type FSW-C, Type FSWR-C, Type FSW-G, Type FSL

THAI GYPSUM PRODUCTS PCL.™ — Type C or Type X

UNITED STATES GYPSUM CO.™ — Type AR, C, FRX-G, FR-X1, IP-X2, IPC-AR, SCX, ULX, USGX or WRX (Finished Rating is 24 minutes)

USG BORAL DRYWALL SZF LLC.™ — Types C, SCX, USGX

USG MEXICO S A DE CV™ — Type AR, C, IP-X1, IP-X2, IPC-AR, SCX, ULX, USGX or WRX (Finished Rating is 24 minutes)

5B. Gypsum Board™ — (As an alternate to Items 5 and 5A) — 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screws 1 and 4 in. from edge of board or nailed as described in Item 5. When used in widths other than 48 in., gypsum boards are to be installed horizontally.
AMERICAN GYPSUM CO.™ — GreenGlas Type X, Type DGG

5C. Gypsum Board™ — (As an alternate to Items 5 through 5B) — 5/8 in. thick, 4 ft wide, paper surfaced applied vertically and secured as described in Item 5.
GEORGIA-PACIFIC GYPSUM L.L.C.™ — Type X ComfortGuard Sound Deadening Gypsum Board (Finish rating 27 min)

5D. Gypsum Board™ — (As an alternate to Items 5 through 5C) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and secured as described in Item 5.
PARCO BUILDING PRODUCTS L.L.C. DBA PARCO GYPSUM™ — Type Quarterlock ES

5E. Wall and Partition Facings and Accessories™ — (As an alternate to Items 5 through 5D) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and secured as described in Item 5.
PARCO BUILDING PRODUCTS L.L.C. DBA PARCO GYPSUM™ — Type Quarterlock S27

5F. Gypsum Board™ — (As an alternate to Items 5 through 5E) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and secured as described in Item 5.
NATIONAL GYPSUM CO.™ — Type S8WB

5G. Gypsum Board™ — (As an alternate to Item 5) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CERTAINTED GYPSUM INC.™ — Type LGFCA (Finish rating 21 min), Type LGFCA Type LGFC-G/A, Type LGFC-W/D, Type LGXL

5H. Gypsum Board™ — (As an alternate to Item 5-5G) — 5/8 in. thick, 4 ft wide, paper surfaced applied vertically or horizontally and secured with 1-1/4 in. Type W coarse thread gypsum panel steel screws spaced a maximum of 12 in. OC.
CERTAINTED GYPSUM INC.™ — Type SlexFR

5I. Gypsum Board™ — (As an alternate to Item 5) For use with Item 6D - Any 5/8 in. thick, 4 ft wide Gypsum Board UL Classified for Fire Resistance (K200) eligible for use in Design Nos. U305, U301 or G512 - Two layers, applied vertically, and attached to furring channels (Item 6Ea). Vertical gypsum board side joints offset 24 inches between layers. Horizontal butt joints offset 48 inches from adjacent board horizontal joints and 24 inches from base layer butt joints. Vertical joints staggered one stud cavity on opposite sides of studs. Type 5 steel screws used to attach gypsum board to furring channels. First layer - 1 in. long, 3 inches from the edge and 24 in. OC. Second layer: 1-5/8 in. long, spaced 1 inch from the edge and 12 in. OC.

5J. Gypsum Board™ — 5/8 in. thick, 4 ft wide applied horizontally or vertically. Attached to studs or blocking at 7 in. OC with 6d cement coated nails, 1-3/8 in. long, 0.0915 in. shank diam and 5/16 in. diam heads. When used in widths other than 48 in., wallboard to be installed horizontally. Joints exposed or covered with tape and compound.

https://ul.updreport.com/in/profile?n=14918 5

March 25, 2022

Design No. U344

Bearing Wall Rating — 1 Hr.
Finish Rating — 24 Min.
 This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXU or BXU2

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

517022, 2:35 PM BXU/U344 - Fire-resistance Ratings - ANSIUL 263 | UL Product IQ

1. **Wood Studs**™ — Nom 2 by 4 in., spaced 24 in. OC, laterally braced, and effectively fire stopped at top and bottom.

2. **Wood Structural Panel Sheathing**™ — Nom 15/32 in. thick, 4 ft wide APA Rated Sheathing 32/16, Exposure 1, plywood or oriented strand board (OSB) per F51, F52 or APA Standard PPH-108. Installed with long dimension of sheet (lengthwise) or face grain of plywood, parallel with studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Horizontal joints backed with nom 2 by 4 in. wood backing. Attached to studs on exterior side of wall with 6d cement coated steel bolts nails spaced 12 in. OC along interior studs and 6 in. OC at perimeter of panels.

3. **Batts and Blankets**™ — 3-1/2 in. thick foil-faced glass fiber bats. Supplied in rolls 23 in. wide. Density to be nom 0.70 pcf. Friction-fitted to completely fill the stud cavity.
Batts and Blankets™ (R2Z) category for names of Classified Companies.
 See **Batts and Blankets**™ (R2Z) category for names of Classified Companies.

3A. **Fiber, Sprayed**™ — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.
U S GREENFIBER L.L.C.™ — IN5735, IN5745 and IN5750D for use with wet or dry application, IN5510D, IN5410D, IN5735, IN5750D, and IN5730D are to be used for dry application only.

3B. **Fiber, Sprayed**™ — As an alternate to Item 3 and 3A — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 4.5 lb/ft³.
NU WOOL CO. INC.™ — Cellulose Insulation

https://ul.updreport.com/in/profile?n=14918

517022, 2:35 PM BXU/U344 - Fire-resistance Ratings - ANSIUL 263 | UL Product IQ

3C. Fiber, Sprayed™ — As an alternate to Batts and Blankets (Item 3) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry dens shall be 4.3 lb/ft³.
INTERNATIONAL CELLULOSE CORP.™ — Cellul-R.

4. **Gypsum Board**™ — 5/8 in. thick, 4 ft wide, applied horizontally or vertically. Attached to studs through plywood sheathing with B cement coated nails, 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam head nails spaced 7 in. OC along studs and at perimeter of panels. When used in widths other than 48 in., wallboard is to be installed horizontally. Joints exposed or covered with tape and compound.
Steel Framing Members™ (Item 6 or any alternate clip) is used, gypsum panels attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 7 in. OC.

AMERICAN GYPSUM CO.™ — Types AGX-1, M-Glass, AG-C, Lightloc

CABOT MANUFACTURING ULC.™ — 5/8 Type X, Type Blueglas Exterior Sheathing

CERTAINTED GYPSUM INC.™ — Type C, Type X or Type X-1 (Finished Rating is 23 minutes), Type EGRG, Type GlasRock, GlasRock 2, Easy-Line Type 2, SlexFR

COC INC.™ — Type AR, C, IP-X2, IPC-AR, SCX, SHK, ULX, ULX, USGX, WRX, WRX

CERTAINTED GYPSUM INC.™ — Types LGFCS, LGFC6A, LGFC-C, LGFC-G/A

GEORGIA-PACIFIC GYPSUM L.L.C.™ — Types TG-C, Type X, Winner Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Softi™ - Type X, GreenGlas Type X, Type UNX, Winner Plaster Base - Type UNX, Water Rated Type UNX, Sheathing Type UNX, Softi Type UNX, Type DGGW, Water Rated Type DGGW, Sheathing Type DGGW, Softi Type DGGW, Winner Plaster Base - Type UNX2, Water Rated - Type UNX2, Sheathing Type UNX2, Softi - Type UNX2, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W, Type DGG, Type GMP, Type DS

NATIONAL GYPSUM CO.™ — Types FSK, FSK-G, FSW, FSW-3, FSW-5, FSW-G, FSK-C, FSW-C, FSW-R, FSL, FSW-8

PARCO BUILDING PRODUCTS L.L.C. DBA PARCO GYPSUM™ — Types PG-11, PG5-WRS, PG

THAI GYPSUM PRODUCTS PCL.™ — Type C or Type X

UNITED STATES GYPSUM CO.™ — Types AR, C, FRX-G, FR-X1, IP-X2, IPC-AR, SCX, SHK, ULX, ULX, USGX or WRX

USG BORAL DRYWALL SZF LLC.™ — Types C, SCX, USGX

USG MEXICO S A DE CV™ — Type AR, C, IP-X2, IPC-AR, SCX, SHK, ULX, USGX, WRX or WRX

5A. Gypsum Board™ — (As an alternate to Item 4) — 5/8 in. thick, 4 ft wide, paper surfaced applied vertically and secured as described in Item 4.
GEORGIA-PACIFIC GYPSUM L.L.C.™ — Type X ComfortGuard Sound Deadening Gypsum Board (Finish rating 27 min).

5B. Gypsum Board™ — (As an alternate to Items 4, 4A) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and secured as described in Item 4.
PARCO BUILDING PRODUCTS L.L.C. DBA PARCO GYPSUM™ — Type Quarterlock ES

https://ul.updreport.com/in/profile?n=14918 6

1 UL U344 1-hr RATED WALL

INTERIOR PARTITION SCHEDULE

	<p>CEILING WHERE SCHEDULED</p> <p>2x4 WOOD STUDS</p> <p>5/8" GWB EACH SIDE</p> <p>SOUND BATT INSULATION</p>	<p>NEW UNRATED INTERIOR PARTITION: 2x4 WOOD STUDS AT 16" O.C. TO BOTTOM OF TRUSSES (10'-0" AFF), WITH ONE LAYER 5/8" GWB ON EACH SIDE. FINISH AS SCHEDULED. PROVIDE SOUND BATT INSULATION (R-11 UNFACED BATT INSULATION)</p>
	<p>CEILING WHERE SCHEDULED</p> <p>2x6 WOOD STUDS</p> <p>5/8" GWB EACH SIDE</p> <p>SOUND BATT INSULATION</p>	<p>NEW UNRATED INTERIOR PARTITION: 2x6 WOOD STUDS AT 16" O.C. TO BOTTOM OF TRUSSES (11'-0" AFF), BRACE TO STRUCTURE ABOVE, WITH ONE LAYER 5/8" GWB ON EACH SIDE. FINISH AS SCHEDULED. PROVIDE SOUND BATT INSULATION (R-11 UNFACED BATT INSULATION)</p>
<p>1. PARTITION TYPE #1 IS TYPICAL THROUGHOUT PROJECT, UNLESS OTHERWISE NOTED.</p> <p>2. WHERE PARTITIONS OF VARIOUS THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE SIDE WHERE FACES ARE STRAIGHT AND CONTINUOUS, UNLESS OTHERWISE NOTED.</p> <p>3. PARTITIONS IN ALL TOILET ROOMS TO HAVE WATER RESISTANT TYPE "X" GYPSUM BOARD IN THICKNESS TO MATCH SCHEDULED. WHERE TILE IS SCHEDULED FOR WALLS, PROVIDE CEMENTITIOUS BACKERBOARD OF SAME THICKNESS.</p>		

EXTERIOR WALL SCHEDULE

	<p>5/8" GWB</p> <p>R-20 FOAM INSUL.</p> <p>2x4 WOOD STUDS</p> <p>EXTERIOR SHEATHING</p> <p>TYVEK AIR INFILTRATION BARRIER</p> <p>SIDING</p>	<p>NEW UNRATED WALL: 2x4 WOOD STUDS AT 16" O.C. TO TRUSS ABOVE. R-20 SPRAY FOAMED INSULATION, TYVEK AIR INFILTRATION BARRIER OVER EXTERIOR SHEATHING, SIDING</p>
	<p>5/8" GWB</p> <p>R-20 FOAM INSUL.</p> <p>2x4 WOOD STUDS</p> <p>EXTERIOR GYPSUM SHEATHING</p> <p>5/8" EXTERIOR GWB</p> <p>TYVEK AIR INFILTRATION BARRIER</p> <p>SIDING</p>	<p>NEW 1-HR RATED WALL: 2x4 WOOD STUDS AT 16" O.C. TO TRUSS ABOVE. R-20 SPRAY FOAMED INSULATION, TYVEK AIR INFILTRATION BARRIER OVER TYPE X GYPSUM SHEATHING, SIDING</p> <p>UL U344</p>
	<p>5/8" GWB</p> <p>R-20 FOAM INSUL.</p> <p>2x6 WOOD STUDS</p> <p>EXTERIOR SHEATHING</p> <p>TYVEK AIR INFILTRATION BARRIER</p> <p>SIDING</p>	<p>NEW UNRATED LOAD BEARING WALL: 2x6 WOOD STUDS AT 16" O.C. TO TRUSS ABOVE. R-20 SPRAY FOAMED INSULATION, TYVEK AIR INFILTRATION BARRIER OVER EXTERIOR SHEATHING, SIDING</p>
<p>1. PARTITION TYPE A IS TYPICAL AT EXTERIOR WALLS THROUGHOUT PROJECT, UNLESS OTHERWISE NOTED.</p> <p>2. WHERE PARTITIONS OF VARIOUS THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE SIDE WHERE FACES ARE STRAIGHT AND CONTINUOUS, UNLESS OTHERWISE NOTED.</p>		

PLAN NOTES:

- EXTERIOR DIMENSIONS SHOWN ARE FROM EXTERIOR FACE OF STUD TO WALL CENTERLINE TO CENTERLINE OF OPENING TO EXTERIOR FACE OF STUD.
- INTERIOR DIMENSIONS SHOWN ARE FROM CENTERLINE OF STUD TO CENTERLINE OF NEW STUD.
- DIMENSIONS INDICATED AS "CLR" OR "CLR" ARE FROM FINISHED SURFACE TO FINISHED SURFACE. CLEAR DIMENSIONS ARE INDICATED WITH OPEN ARROWS
- DIMENSIONS INDICATED AS "MIN." OR "MINIMUM" ARE ABSOLUTE MINIMUM DIMENSIONS AND ARE NOT TO BE DECREASED. DIMENSIONS INDICATED AS "MAX." OR "MAXIMUM" ARE ABSOLUTE MAXIMUM DIMENSIONS AND ARE NOT TO BE INCREASED.
- ALTHOUGH THESE DRAWINGS ARE DRAWN TO SCALE, NO DIMENSIONS ARE TO BE DETERMINED BY SCALING THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

FINISH SCHEDULE- 1st FLOOR

NUMBER	ROOM	FLOOR		WALLS				CEILING		NOTES
		FLOOR	BASE	NORTH	EAST	SOUTH	WEST	TYPE	HEIGHT	
101	LOBBY	LVT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	20'-0"	
102	UNISEX	LVT	RB	MR-GWB/PTD	MR-GWB/PTD	MR-GWB/PTD	MR-GWB/PTD	ACT	9'-0"	
103	UNISEX	LVT	RB	MR-GWB/PTD	MR-GWB/PTD	MR-GWB/PTD	MR-GWB/PTD	ACT	9'-0"	
104	FIELD WORKERS LOBBY	LVT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	ACT	9'-0"	
104A	STORAGE	LVT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	ACT	9'-0"	
105	STORAGE	LVT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	ACT	9'-0"	
106	OFFICE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	ACT	9'-0"	
107	OFFICE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	ACT	9'-0"	
108	OFFICE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	ACT	9'-0"	
109	CONFERENCE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	ACT	9'-0"	
110	BREAK	LVT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	ACT	9'-0"	
110A	UTIL	CONCRETE	RB	GWB/PTD	GWB/PAINT	GWB/PAINT	GWB/PAINT	ACT	9'-0"	
111	STORAGE	LVT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	ACT	9'-0"	
112	CORRIDOR	LVT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	ACT	9'-0"	

NOTE: NORTH, EAST, SOUTH AND WEST ARE BASED ON PLAN NORTH, EAST, SOUTH, AND WEST

GENERAL FINISH NOTES:

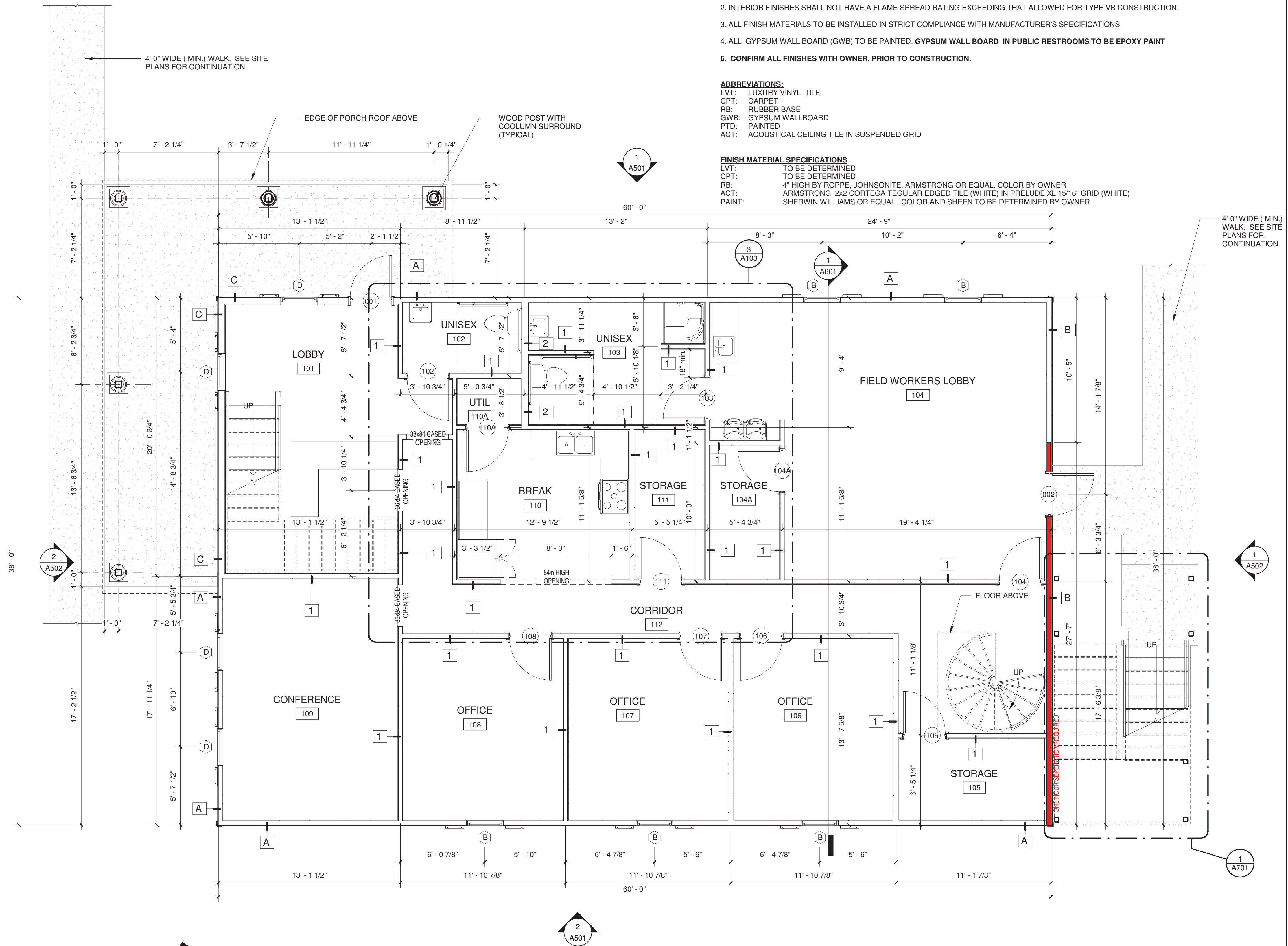
- ALL EXPOSED STRUCTURAL STEEL, MECHANICAL DUCTWORK, ELECTRICAL CONDUIT, ETC. IS TO BE PAINTED. COLOR TO BE CONFIRMED BY OWNER.
- INTERIOR FINISHES SHALL NOT HAVE A FLAME SPREAD RATING EXCEEDING THAT ALLOWED FOR TYPE VB CONSTRUCTION.
- ALL FINISH MATERIALS TO BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS.
- ALL GYPSUM WALL BOARD (GWB) TO BE PAINTED. GYPSUM WALL BOARD IN PUBLIC RESTROOMS TO BE EPOXY PAINT
- CONFIRM ALL FINISHES WITH OWNER, PRIOR TO CONSTRUCTION.**

ABBREVIATIONS:

- LVT: LUXURY VINYL TILE
- CPT: CARPET
- RB: RUBBER BASE
- GWB: GYPSUM WALLBOARD
- PTD: PAINTED
- ACT: ACOUSTICAL CEILING TILE IN SUSPENDED GRID

FINISH MATERIAL SPECIFICATIONS

- LVT: TO BE DETERMINED
- CPT: TO BE DETERMINED
- RB: 4" HIGH BY ROPPE, JOHNSONITE, ARMSTRONG OR EQUAL. COLOR BY OWNER
- ACT: ARMSTRONG 2x2 CORTEGA TEGULAR EDGED TILE (WHITE) IN PRELUDE XL 516" GRID (WHITE)
- PAINT: SHERWIN WILLIAMS OR EQUAL. COLOR AND SHEEN TO BE DETERMINED BY OWNER



1 1st FLOOR PLAN
1/4" = 1'-0"



GONTRAM ARCHITECTURE, INC.

5100 UNICON DR. SUITE 103
WAKE FOREST, NC 27587
PHONE: 919.876.5333

eddie@gontramarchitecture.com
www.gontramarchitecture.com

© Copyright 2022

THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



NEW BUILDING
for PAUL BARBOUR & SONS
11496 HWY 401N
FUQUAY-VARINA, NC 27526

PLOT DATE: 5/24/2022
ISSUED: 5/24/2022
FOR CONSTRUCTION

Rev.	Date	Description

DRAWN BY: PJA APPROVED: EJG

PROJECT NO.: 22039 RECORD:

CONTENTS:
1st FLOOR PLAN

SHEET:
A101

INTERIOR PARTITION SCHEDULE

1		NEW UNRATED INTERIOR PARTITION: 2x4 WOOD STUDS AT 16" O.C. TO BOTTOM OF TRUSSES (10'-0" AFF), WITH ONE LAYER 5/8" GWB ON EACH SIDE. FINISH AS SCHEDULED. PROVIDE SOUND BATT INSULATION (R-11 UNFACED BATT INSULATION)
2		NEW UNRATED INTERIOR PARTITION: 2x6 WOOD STUDS AT 16" O.C. TO BOTTOM OF TRUSSES (11'-0" AFF), BRACE TO STRUCTURE ABOVE, WITH ONE LAYER 5/8" GWB ON EACH SIDE. FINISH AS SCHEDULED. PROVIDE SOUND BATT INSULATION (R-11 UNFACED BATT INSULATION)

1. PARTITION TYPE #1 IS TYPICAL THROUGHOUT PROJECT, UNLESS OTHERWISE NOTED.

2. WHERE PARTITIONS OF VARIOUS THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE SIDE WHERE FACES ARE STRAIGHT AND CONTINUOUS, UNLESS OTHERWISE NOTED.

3. PARTITIONS IN ALL TOILET ROOMS TO HAVE WATER RESISTANT TYPE "X" GYPSUM BOARD IN THICKNESS TO MATCH SCHEDULED. WHERE TILE IS SCHEDULED FOR WALLS, PROVIDE CEMENTITIOUS BACKERBOARD OF SAME THICKNESS.

EXTERIOR WALL SCHEDULE

A		NEW UNRATED WALL: 2x4 WOOD STUDS AT 16" O.C. TO TRUSS ABOVE. R-20 SPRAY FOAMED INSULATION, TYVEK AIR INFILTRATION BARRIER OVER EXTERIOR SHEATHING, SIDING
B		NEW 1-HR RATED WALL: 2x4 WOOD STUDS AT 16" O.C. TO TRUSS ABOVE. R-20 SPRAY FOAMED INSULATION, TYVEK AIR INFILTRATION BARRIER OVER TYPE X GYPSUM SHEATHING, SIDING UL U344
C		NEW UNRATED LOAD BEARING WALL: 2x6 WOOD STUDS AT 16" O.C. TO TRUSS ABOVE. R-20 SPRAY FOAMED INSULATION, TYVEK AIR INFILTRATION BARRIER OVER EXTERIOR SHEATHING, SIDING

1. PARTITION TYPE A IS TYPICAL AT EXTERIOR WALLS THROUGHOUT PROJECT, UNLESS OTHERWISE NOTED.

2. WHERE PARTITIONS OF VARIOUS THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE SIDE WHERE FACES ARE STRAIGHT AND CONTINUOUS, UNLESS OTHERWISE NOTED.

PLAN NOTES:

- EXTERIOR DIMENSIONS SHOWN ARE FROM EXTERIOR FACE OF STUD TO WALL CENTERLINE TO CENTERLINE OF OPENING TO EXTERIOR FACE OF STUD.
- INTERIOR DIMENSIONS SHOWN ARE FROM CENTERLINE OF STUD TO CENTERLINE OF NEW STUD.
- DIMENSIONS INDICATED AS "CLR" OR "CLR" ARE FROM FINISHED SURFACE TO FINISHED SURFACE. CLEAR DIMENSIONS ARE INDICATED WITH OPEN ARROWS
- DIMENSIONS INDICATED AS "MIN." OR "MINIMUM" ARE ABSOLUTE MINIMUM DIMENSIONS AND ARE NOT TO BE DECREASED. DIMENSIONS INDICATED AS "MAX." OR "MAXIMUM" ARE ABSOLUTE MAXIMUM DIMENSIONS AND ARE NOT TO BE INCREASED.
- ALTHOUGH THESE DRAWINGS ARE DRAWN TO SCALE, NO DIMENSIONS ARE TO BE DETERMINED BY SCALING THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

FINISH SCHEDULE - 2nd FLOOR

NUMBER	ROOM	FLOOR		WALLS				CEILING		NOTES
		FLOOR	BASE	NORTH	EAST	SOUTH	WEST	TYPE	HEIGHT	
201	OPEN FILE ROOM	LVT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	9'-0"	
202	UNISEX	LVT	RB	MR-GWB/PTD	MR-GWB/PTD	MR-GWB/PTD	MR-GWB/PTD	GWB/PTD	9'-0"	
203	OFFICE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	9'-0"	
203A	CLOSET	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	9'-0"	
204	OFFICE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	9'-0"	
205	OFFICE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	9'-0"	
206	HALL	LVT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	9'-0"	
207	OFFICE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	9'-0"	
208	OFFICE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	9'-0"	
209	OFFICE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	9'-0"	
210	OFFICE	CPT	RB	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	GWB/PTD	9'-0"	

NOTE: NORTH, EAST, SOUTH AND WEST ARE BASED ON PLAN NORTH, EAST, SOUTH, AND WEST

GENERAL FINISH NOTES:

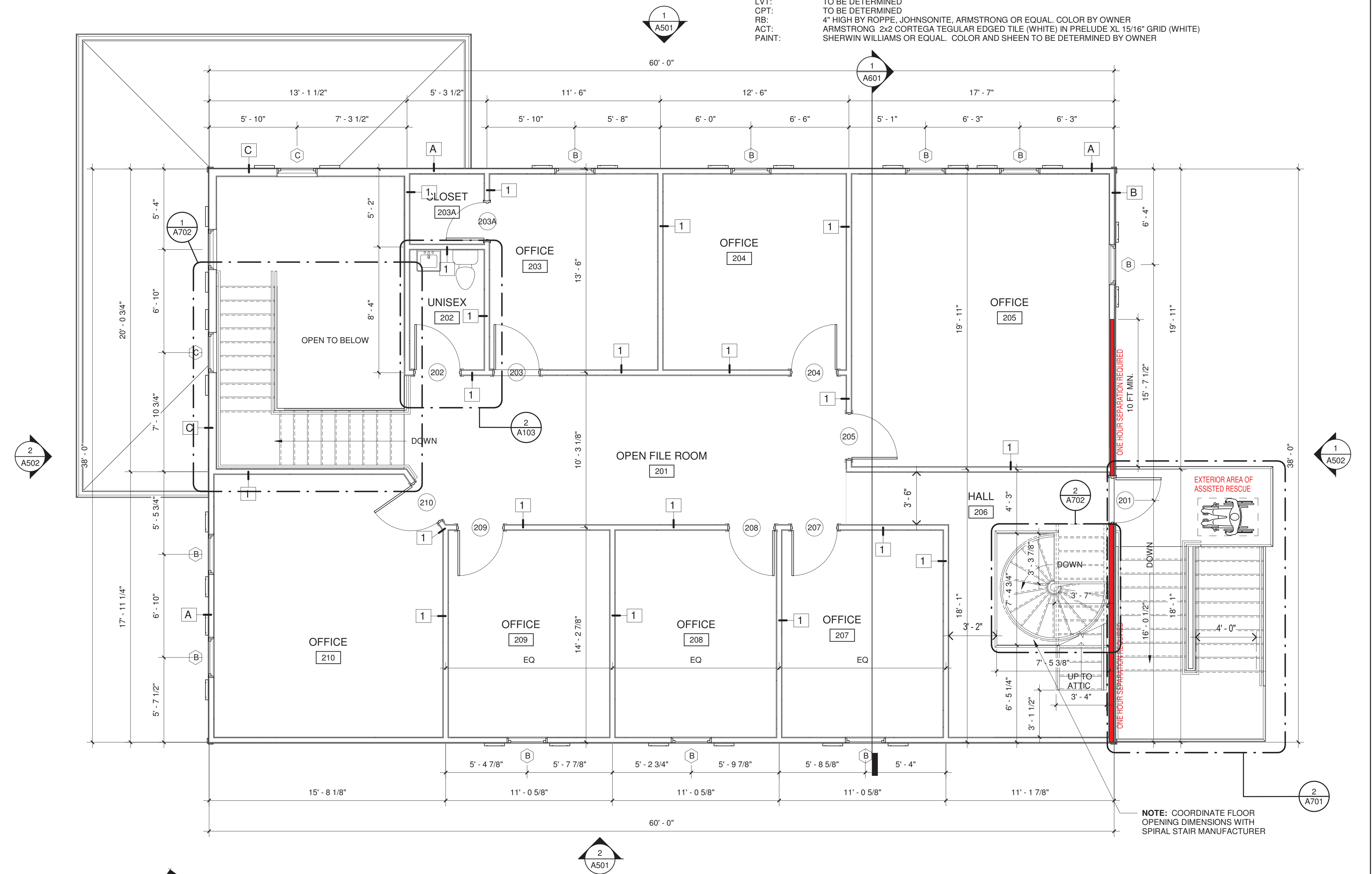
- ALL EXPOSED STRUCTURAL STEEL, MECHANICAL DUCTWORK, ELECTRICAL CONDUIT, ETC. IS TO BE PAINTED. COLOR TO BE CONFIRMED BY OWNER.
 - INTERIOR FINISHES SHALL NOT HAVE A FLAME SPREAD RATING EXCEEDING THAT ALLOWED FOR TYPE VB CONSTRUCTION.
 - ALL FINISH MATERIALS TO BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - ALL GYPSUM WALL BOARD (GWB) TO BE PAINTED. GYPSUM WALL BOARD IN PUBLIC RESTROOMS TO BE EPOXY PAINT
- 6. CONFIRM ALL FINISHES WITH OWNER, PRIOR TO CONSTRUCTION.**

ABBREVIATIONS:

- LVT: LUXURY VINYL TILE
- CPT: CARPET
- RB: RUBBER BASE
- GWB: GYPSUM WALLBOARD
- PTD: PAINTED
- ACT: ACOUSTICAL CEILING TILE IN SUSPENDED GRID

FINISH MATERIAL SPECIFICATIONS

- LVT: TO BE DETERMINED
- CPT: TO BE DETERMINED
- RB: 4" HIGH BY ROPPE, JOHNSONITE, ARMSTRONG OR EQUAL. COLOR BY OWNER
- ACT: ARMSTRONG 2x2 CORTEGA TEGULAR EDGED TILE (WHITE) IN PRELUDE XL 1516" GRID (WHITE)
- PAINT: SHERWIN WILLIAMS OR EQUAL. COLOR AND SHEEN TO BE DETERMINED BY OWNER



1 2nd FLOOR PLAN
1/4" = 1'-0"



GONTRAM ARCHITECTURE, INC.

5100 UNICON DR. SUITE 103
WAKE FOREST, NC 27587
PHONE: 919.876.5333

eddie@gontramarchitecture.com
www.gontramarchitecture.com

© Copyright 2022

THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



NEW BUILDING
for PAUL BARBOUR & SONS
11496 HWY 401N
FUQUAY-VARINA, NC 27526

PLOT DATE: 5/24/2022
ISSUED: 5/24/2022
FOR CONSTRUCTION

Rev.	Date	Description

DRAWN BY: PJA APPROVED: EJG

PROJECT NO.: 22039 RECORD:

CONTENTS:
2nd FLOOR PLAN

SHEET:

A102



GONTRAM ARCHITECTURE, INC.

5100 UNICON DR. SUITE 103
WAKE FOREST, NC 27587
PHONE: 919.876.5333

eddie@gontramarchitecture.com
www.gontramarchitecture.com

© Copyright 2022
THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



NEW BUILDING
for PAUL BARBOUR & SONS
11496 HWY 401N
FUQUAY-VARINA, NC 27526

PLOT DATE:
5/24/2022
ISSUED:
5/24/2022
FOR CONSTRUCTION

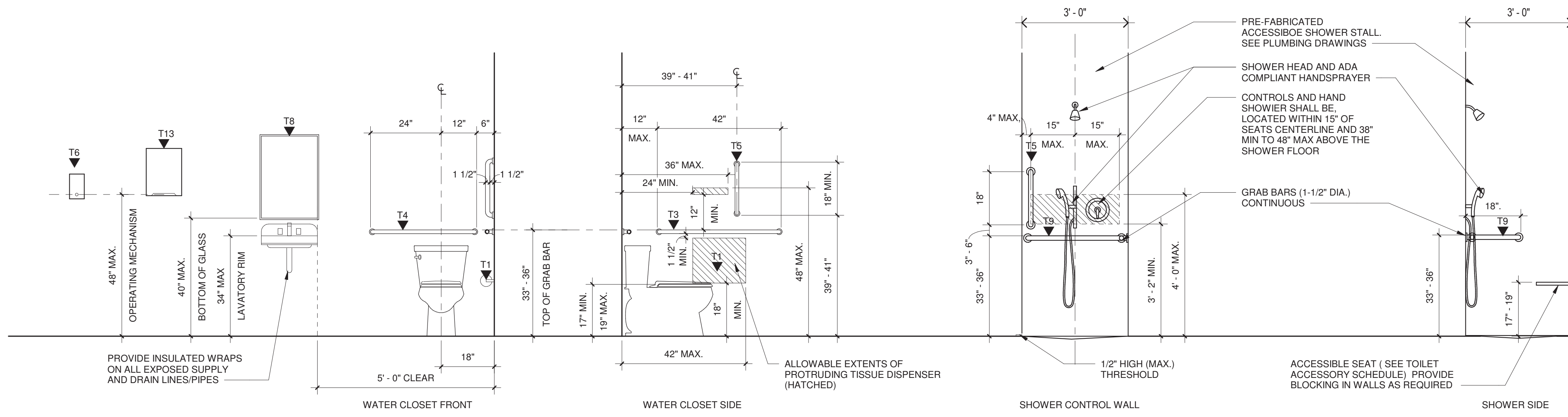
Rev.	Date	Description

DRAWN BY: PJA APPROVED: EJG

PROJECT NO.: 22039 RECORD:

CONTENTS:
ENLARGED FLOOR PLAN

SHEET:
A103



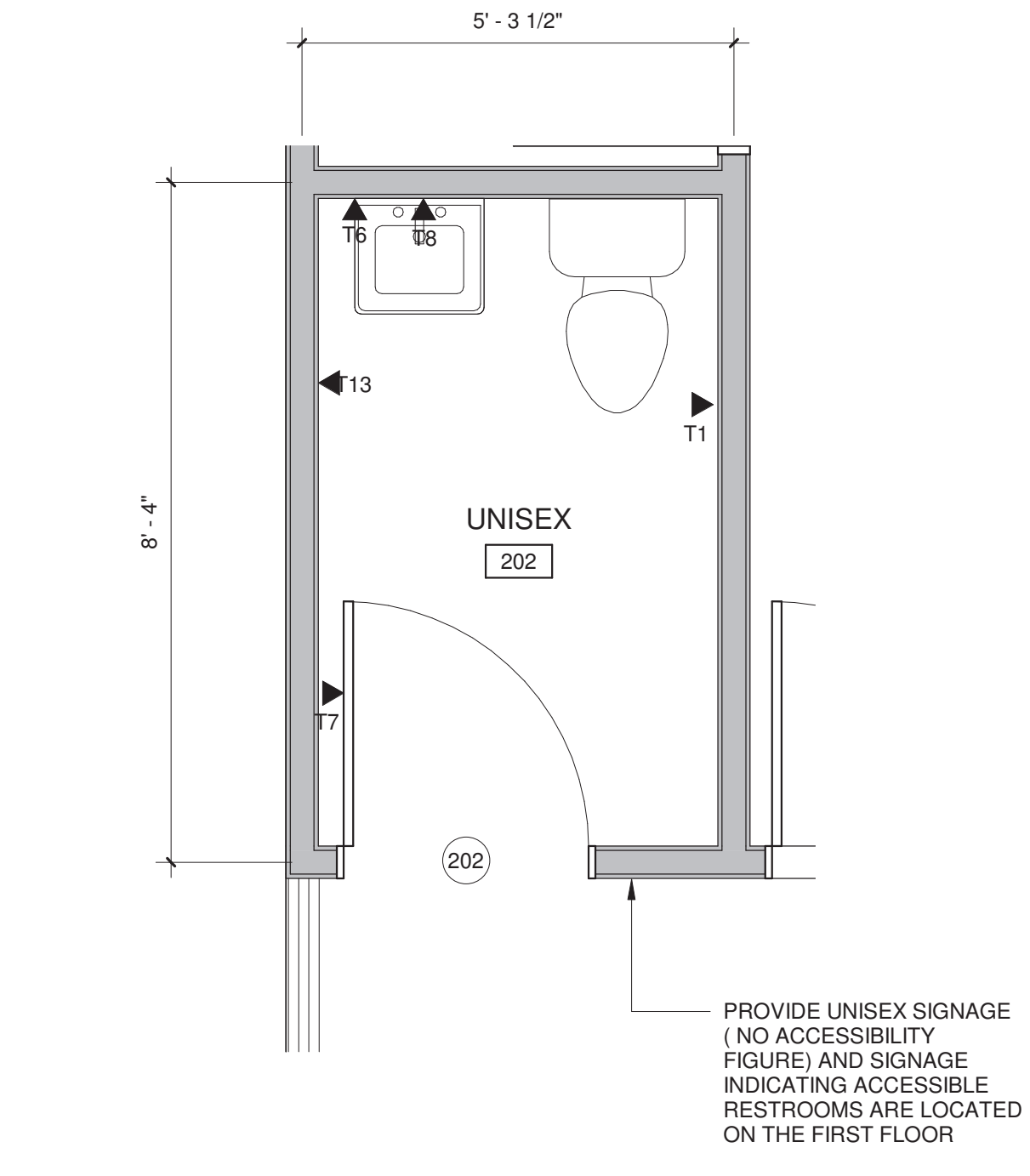
1 ACCESSIBLE FIXTURE REQUIREMENTS
1/2" = 1'-0"

- PLAN NOTES:**
- EXTERIOR DIMENSIONS SHOWN ARE FROM EXTERIOR FACE OF STUD TO WALL CENTERLINE TO CENTERLINE OF OPENING TO EXTERIOR FACE OF STUD.
 - INTERIOR DIMENSIONS SHOWN ARE FROM CENTERLINE OF STUD TO CENTERLINE OF NEW STUD.
 - DIMENSIONS INDICATED AS "CLEAR" OR "CLR" ARE FROM FINISHED SURFACE TO FINISHED SURFACE. CLEAR DIMENSIONS ARE INDICATED WITH OPEN ARROWS
 - DIMENSIONS INDICATED AS "MIN." OR "MINIMUM" ARE ABSOLUTE MINIMUM DIMENSIONS AND ARE NOT TO BE DECREASED. DIMENSIONS INDICATED AS "MAX." OR "MAXIMUM" ARE ABSOLUTE MAXIMUM DIMENSIONS AND ARE NOT TO BE INCREASED.
 - ALTHOUGH THESE DRAWINGS ARE DRAWN TO SCALE, NO DIMENSIONS ARE TO BE DETERMINED BY SCALING THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

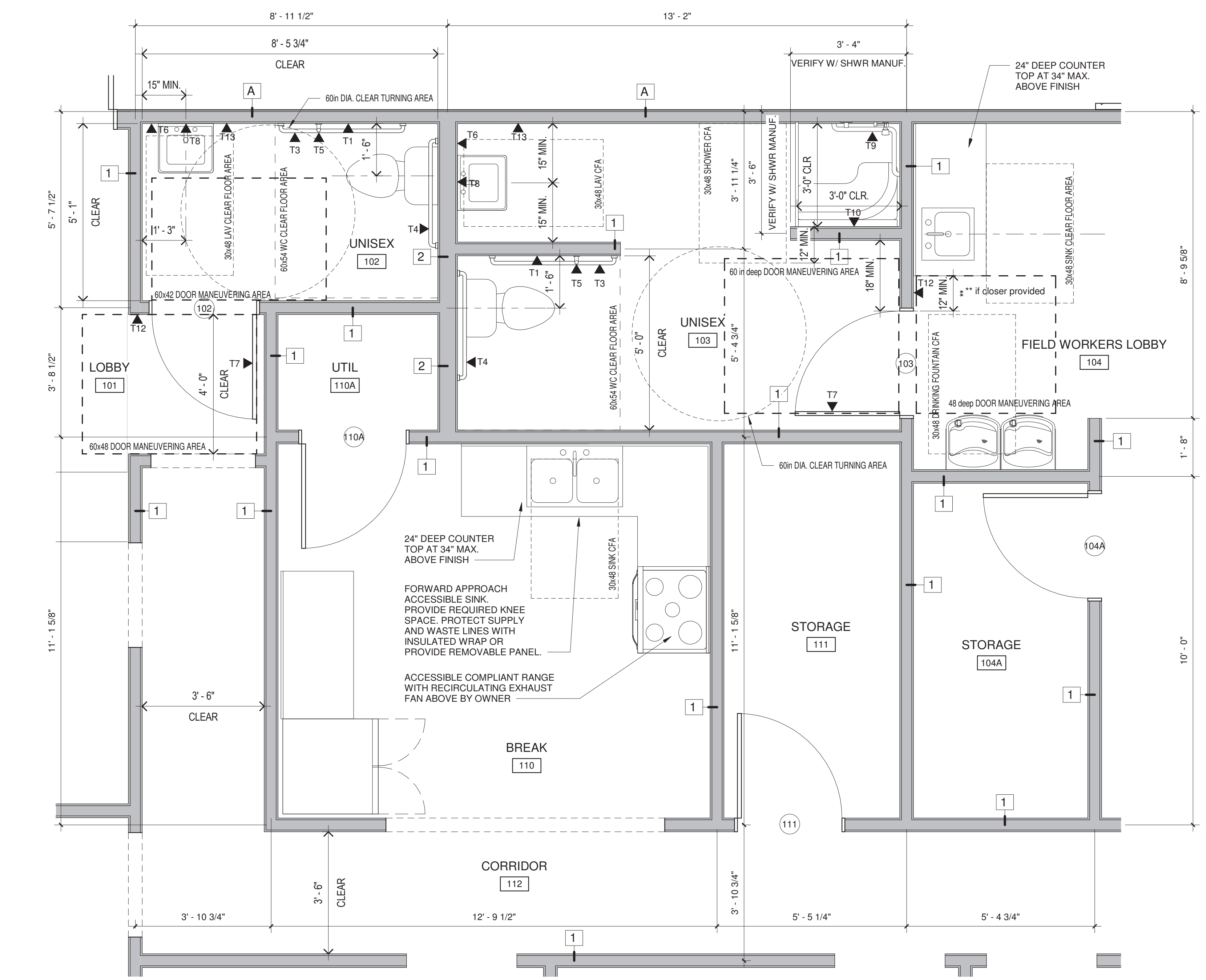
TOILET ACCESSORY LEGEND

MARK	DESCRIPTION	MODEL #
T1	TOILET TISSUE DISPENSER	BOBRICK B-6867
T2	NOT USED	
T3	42" GRAB BAR (HORIZONTAL)	BOBRICK B-6806.99 x 42
T4	36" GRAB BAR (HORIZONTAL)	BOBRICK B-6806.99 x 36
T5	18" GRAB BAR (VERTICAL)	BOBRICK B-6806.99 x 18
T6	SOAP DISPENSER	BY OWNER
T7	COAT HOOK	BOBRICK B-542
T8	MIRROR	BOBRICK B-165 2436
T9	HORIZONTAL TWO-WALL GRAB BAR FOR 36 X 36 SHOWER	BOBRICK B-6861
T10	WALL MOUNTED ACCESSIBLE SHOWER SEAT	BOBRICK B-5181
T11	NOT USED	
T12	RESTROOM SIGNAGE	UNISEX/ACCESSIBLE. SEE DETAIL: 1 / A401
T13	WALL MOUNTED PAPER TOWEL DISPENSER	BOBRICK B-262

- NOTES:**
- ALL TOILET ACCESSORIES MODEL NUMBERS IN THIS SCHEDULE ARE BASED ON BOBRICK WASHROOM EQUIPMENT, INC. UNLESS NOTED OTHERWISE, AND SHALL COMPLY WITH ADA. ALL WALL MOUNTED ACCESSORIES SHALL NOT INTERFERE W/ REQUIRED CLEARANCES PER 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. EQUALS APPROVED BY OWNER ARE ACCEPTABLE
 - ACCESSORY MOUNTING HEIGHT TO BE ADJUSTED AS REQUIRED TO COORDINATE WITH PLUMBING FIXTURES.
 - INSTALL FIRE RETARDANT TREATED WOOD FOR ALL WALL MOUNTED TOILET ACCESSORIES



2 ENLARGED PLAN -RESTROOM
1/2" = 1'-0"



3 ENLARGED PLAN -1st FLOOR
1/2" = 1'-0"



**GONTRAM
ARCHITECTURE, INC.**

5100 UNICON DR. SUITE 103
WAKE FOREST, NC 27587
PHONE: 919.876.5331

eddie@gontramarchitecture.com
www.gontramarchitecture.com

© Copyright 2022
THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



NEW BUILDING
for PAUL BARBOUR & SONS
11496 HWY 401N
FUQUAY-VARINA, NC 27526

PLOT DATE:
5/24/2022
ISSUED:
5/24/2022
FOR CONSTRUCTION

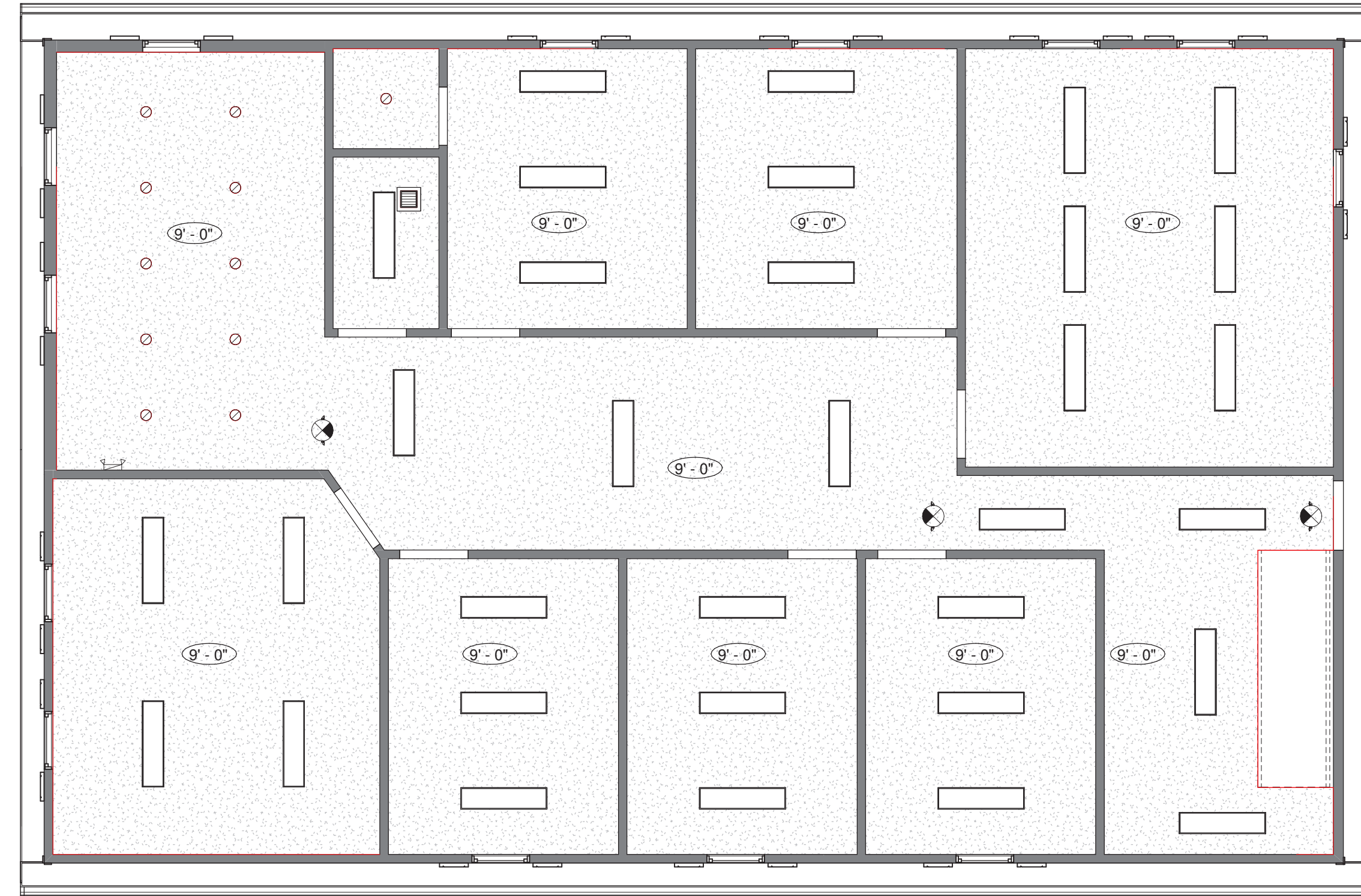
Rev.	Date	Description

DRAWN BY:
PJA
PROJECT NO.:
22039

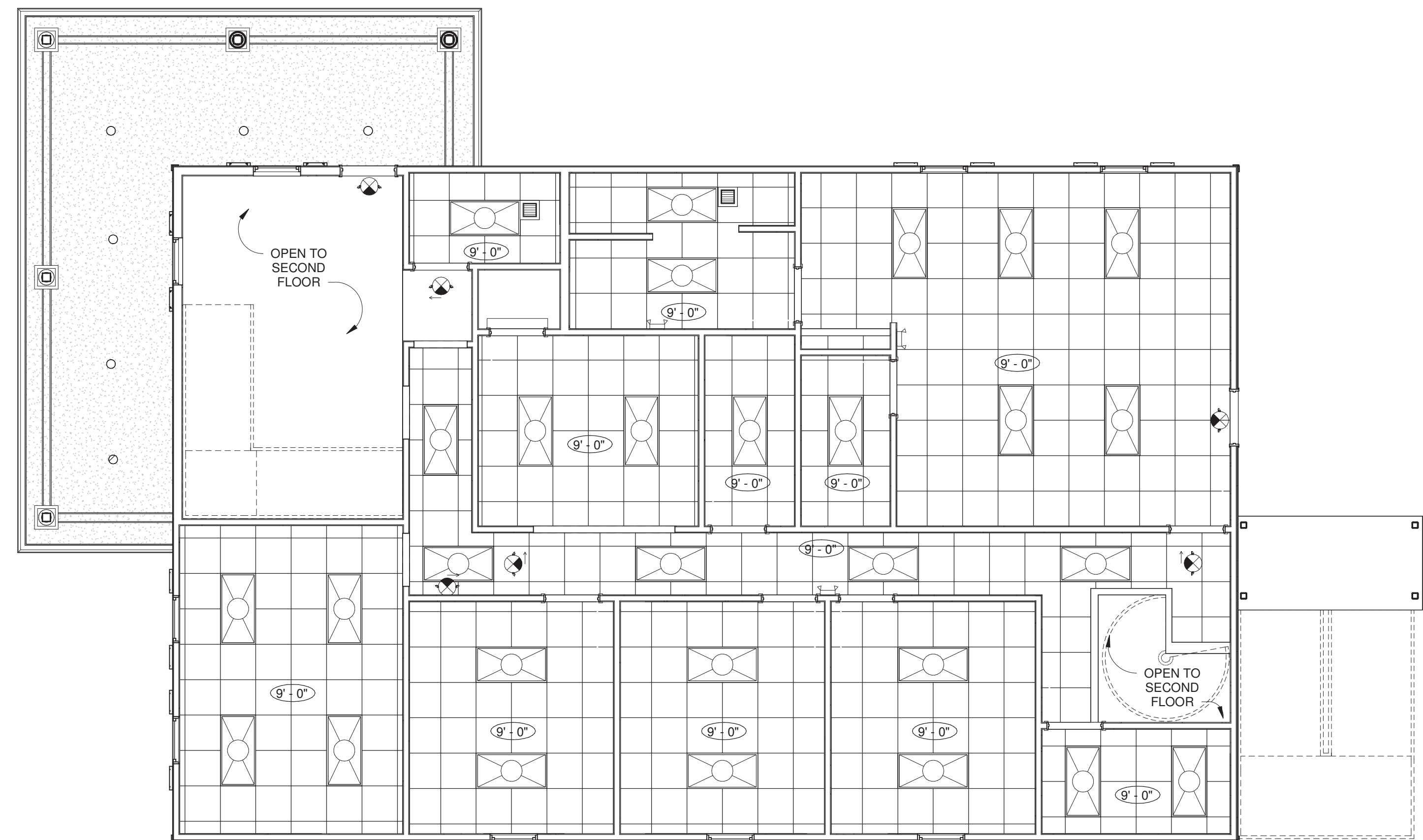
APPROVED:
EJG
RECORD:

CONTENTS:
REFLECTED
CEILING PLAN

SHEET:
A301

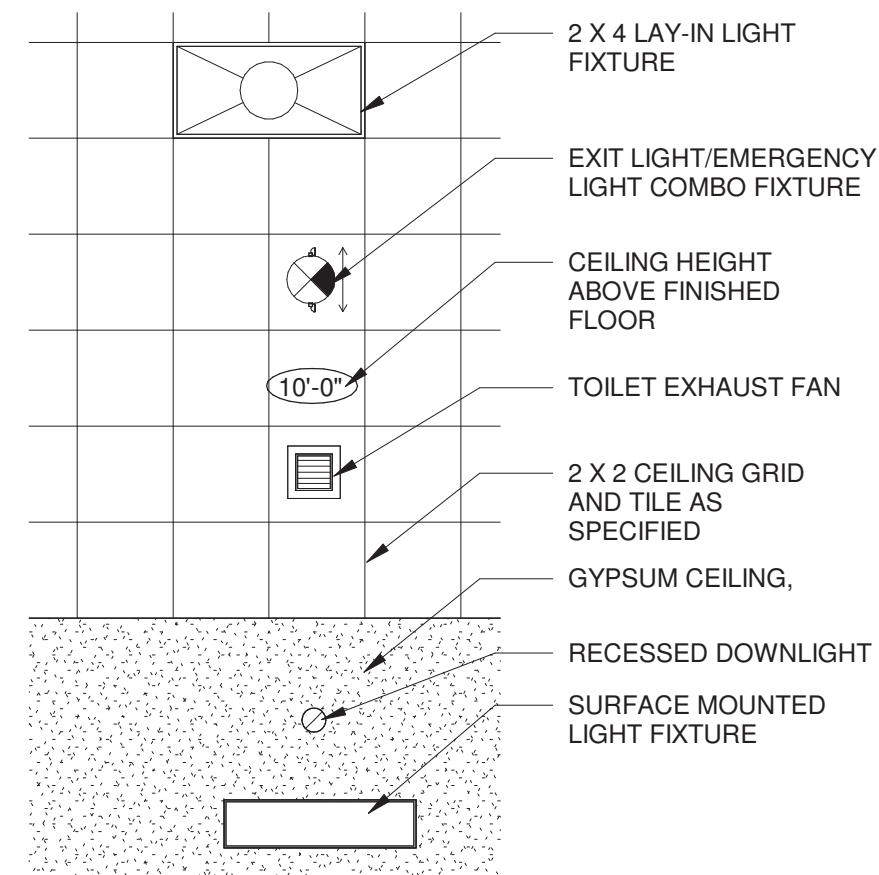


2 2nd FLOOR REFLECTED CEILING PLAN
3/16" = 1'-0"

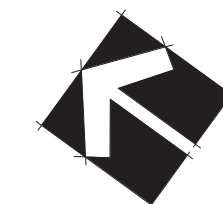


1 1st FLOOR REFLECTED CEILING PLAN
3/16" = 1'-0"

REFLECTED CEILING PLAN LEGEND



NOTE: ITEMS SHOWN IN CEILING PLAN ARE FOR GENERAL INFORMATION. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION



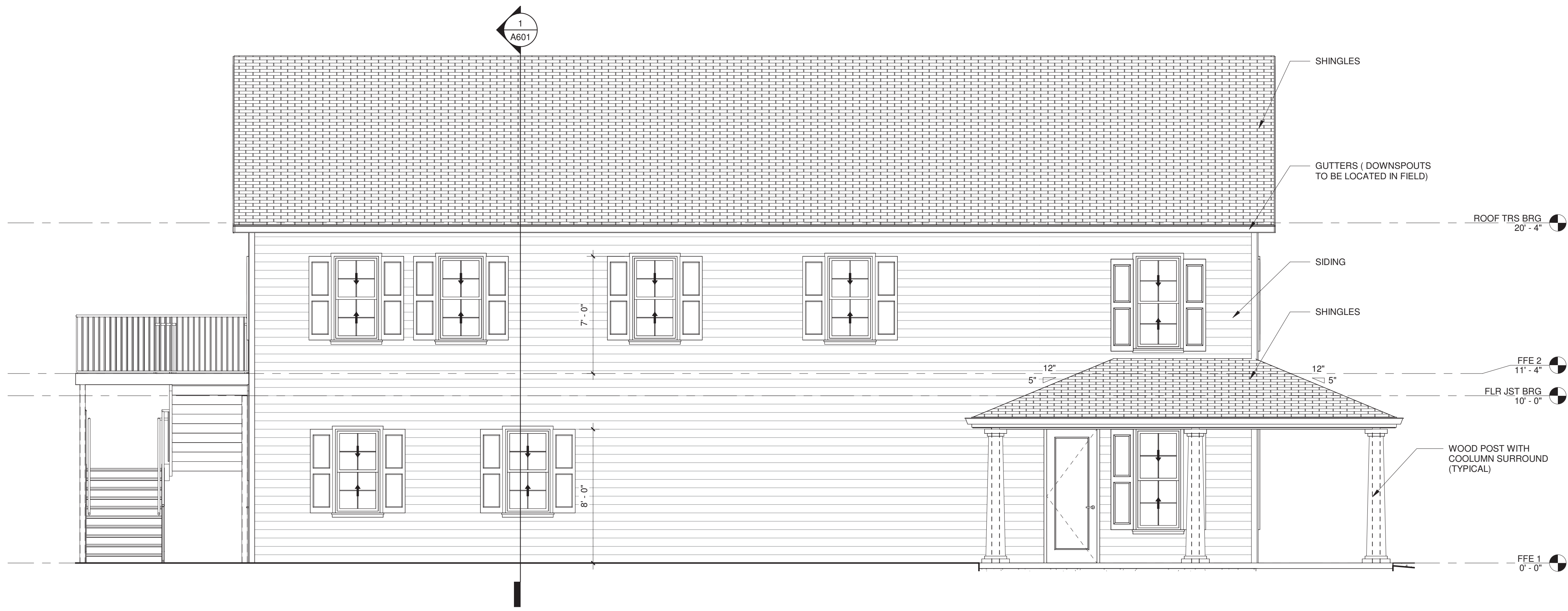


GONTRAM ARCHITECTURE, INC.

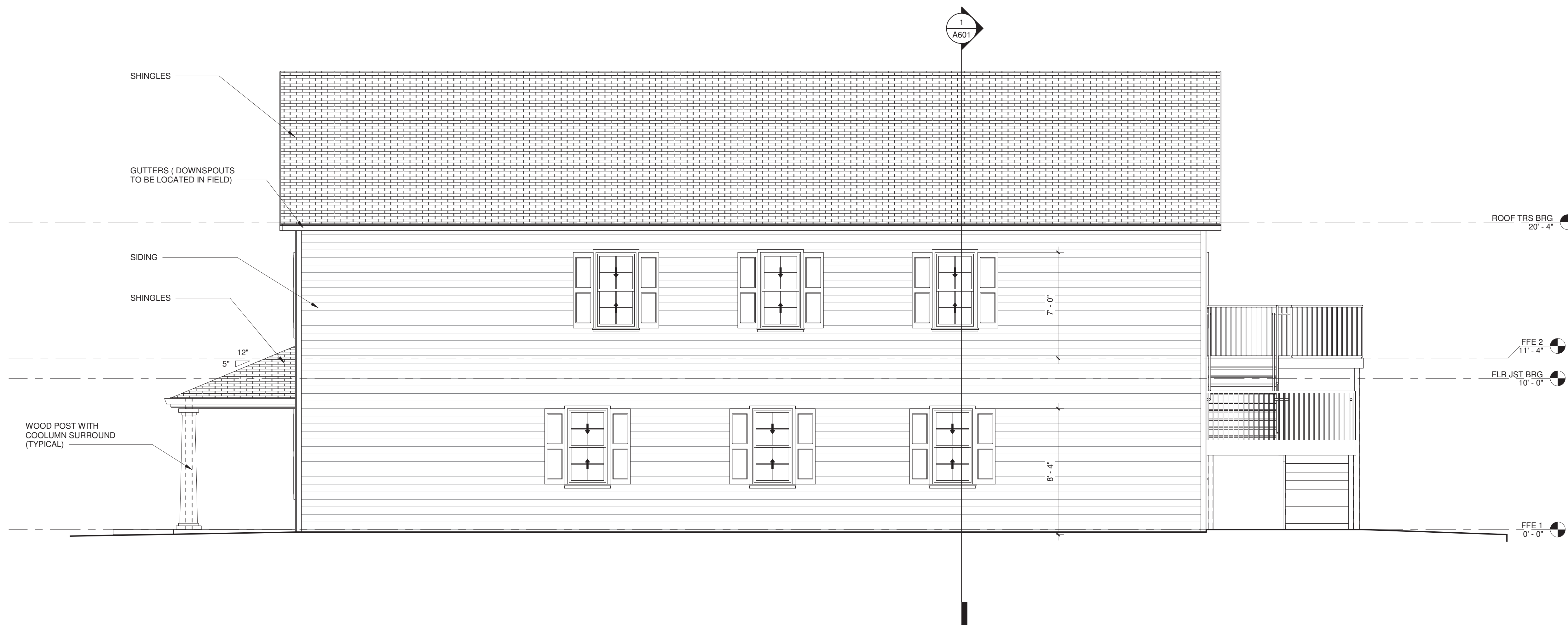
5100 UNICON DR. SUITE 103
WAKE FOREST, NC 27587
PHONE: 919.876.5331

eddie@gontramarchitecture.com
www.gontramarchitecture.com

© Copyright 2022
THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



1 ELEVATION (FRONT)
1/4" = 1'-0"



2 ELEVATION (REAR)
1/4" = 1'-0"

NEW BUILDING
for PAUL BARBOUR & SONS
11496 HWY 401N
FUQUAY-VARINA, NC 27526

PLOT DATE: 5/24/2022
ISSUED: 5/24/2022
FOR CONSTRUCTION

Rev.	Date	Description

DRAWN BY: PJA
PROJECT NO.: 22039

APPROVED: EJG
RECORD:

CONTENTS:
BUILDING ELEVATIONS

SHEET:
A501



GONTRAM
ARCHITECTURE, INC.

5100 UNICON DR. SUITE 103
WAKE FOREST, NC 27587
PHONE: 919.876.5331

eddie@gontramarchitecture.com
www.gontramarchitecture.com

© Copyright 2022
THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



NEW BUILDING
for PAUL BARBOUR & SONS
11496 HWY 401N
FUQUAY-VARINA, NC 27526

PLOT DATE:
5/24/2022
ISSUED:
5/24/2022
FOR CONSTRUCTION

Rev.	Date	Description

DRAWN BY: PJA APPROVED: EJG

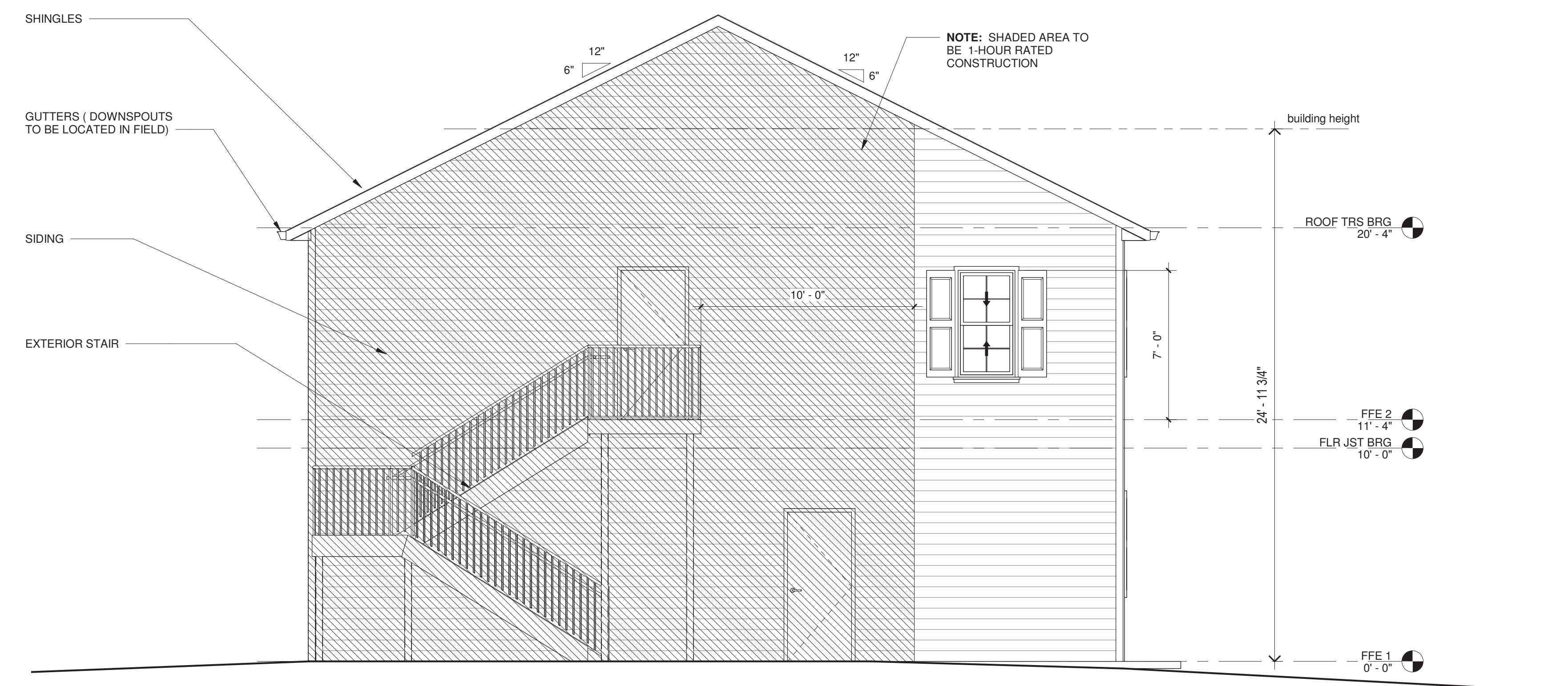
PROJECT NO.: 22039 RECORD:

CONTENTS:
BUILDING
ELEVATIONS

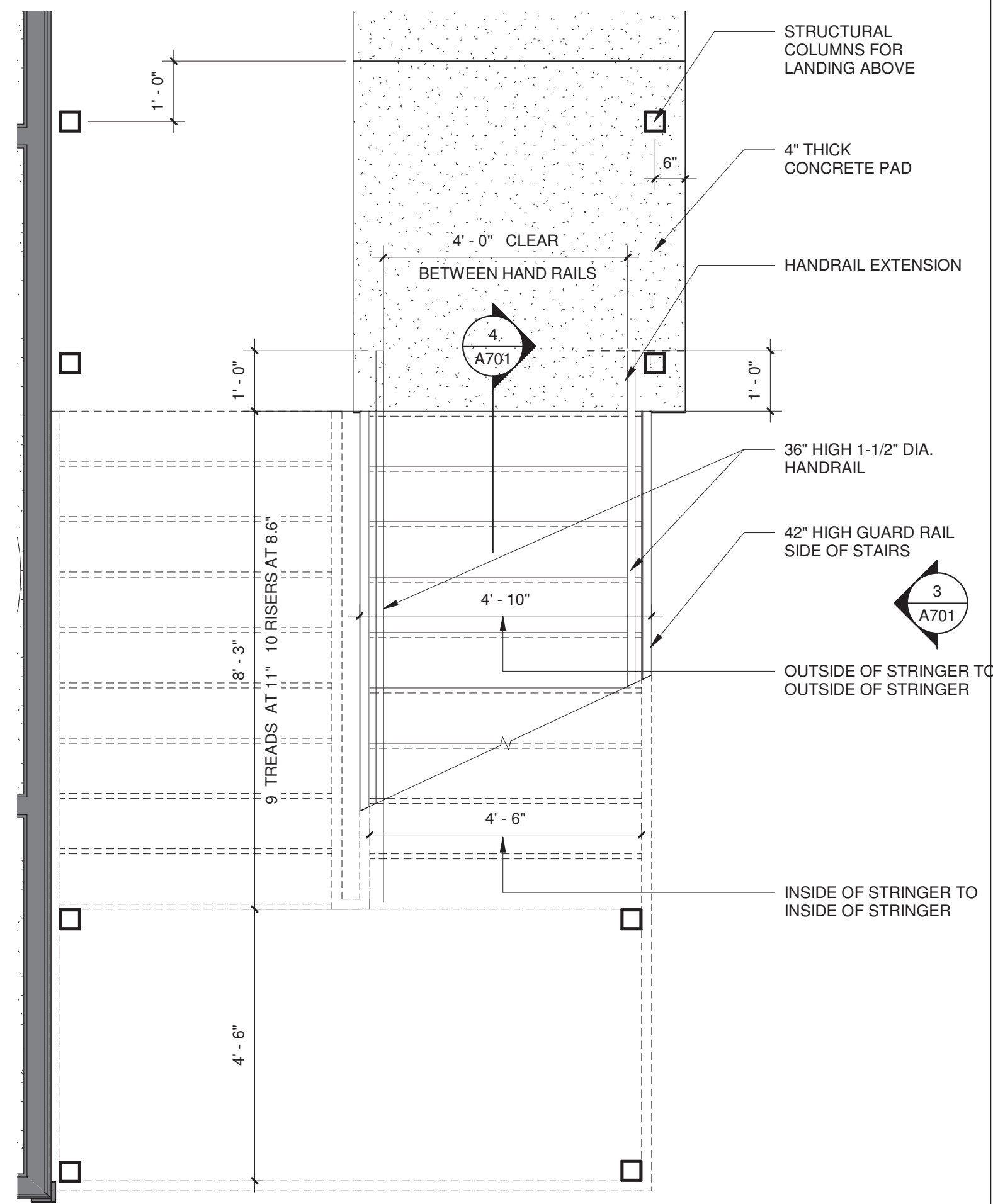
SHEET:
A502



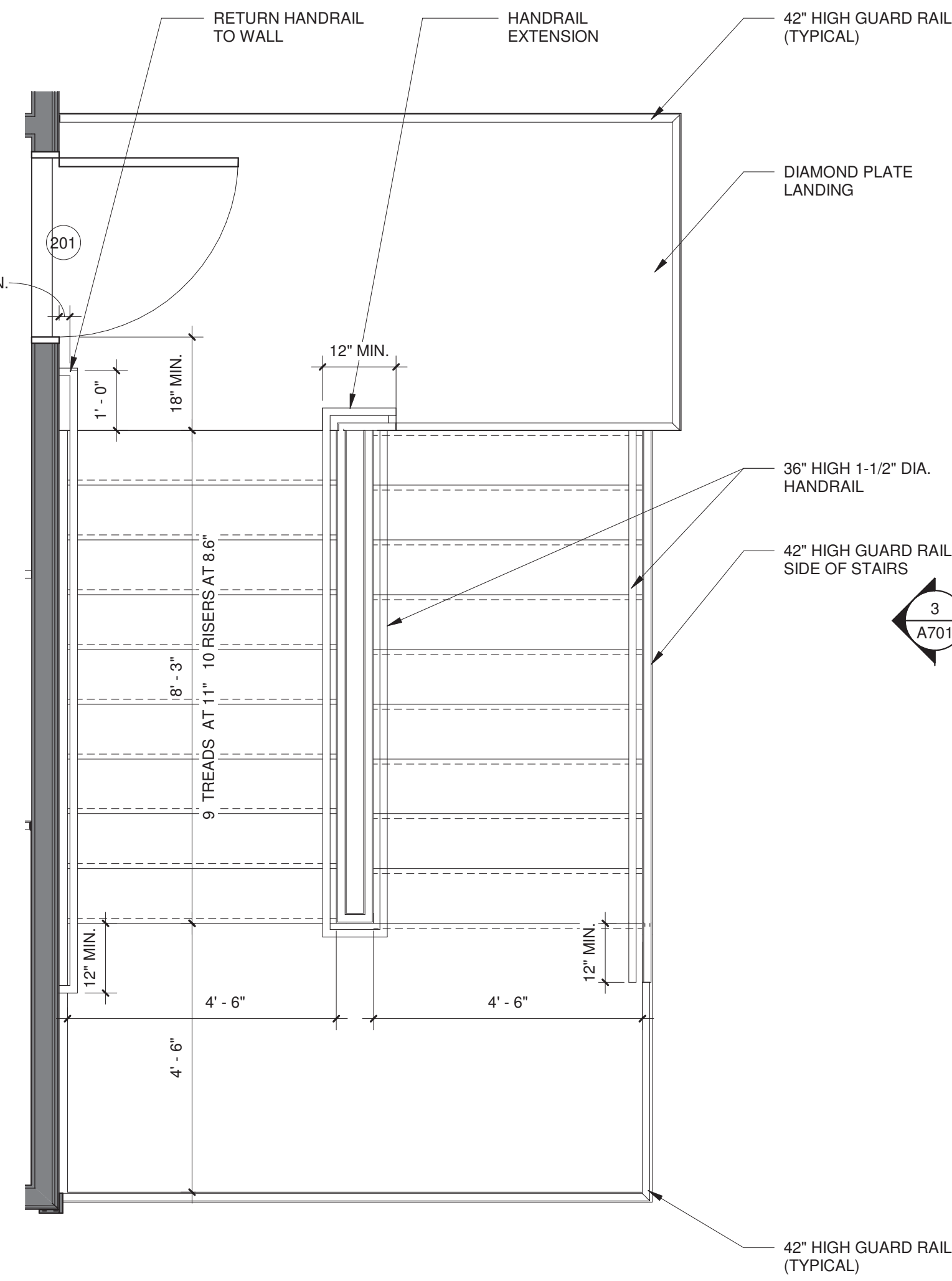
2 ELEVATION (RIGHT)
1/4" = 1'-0"



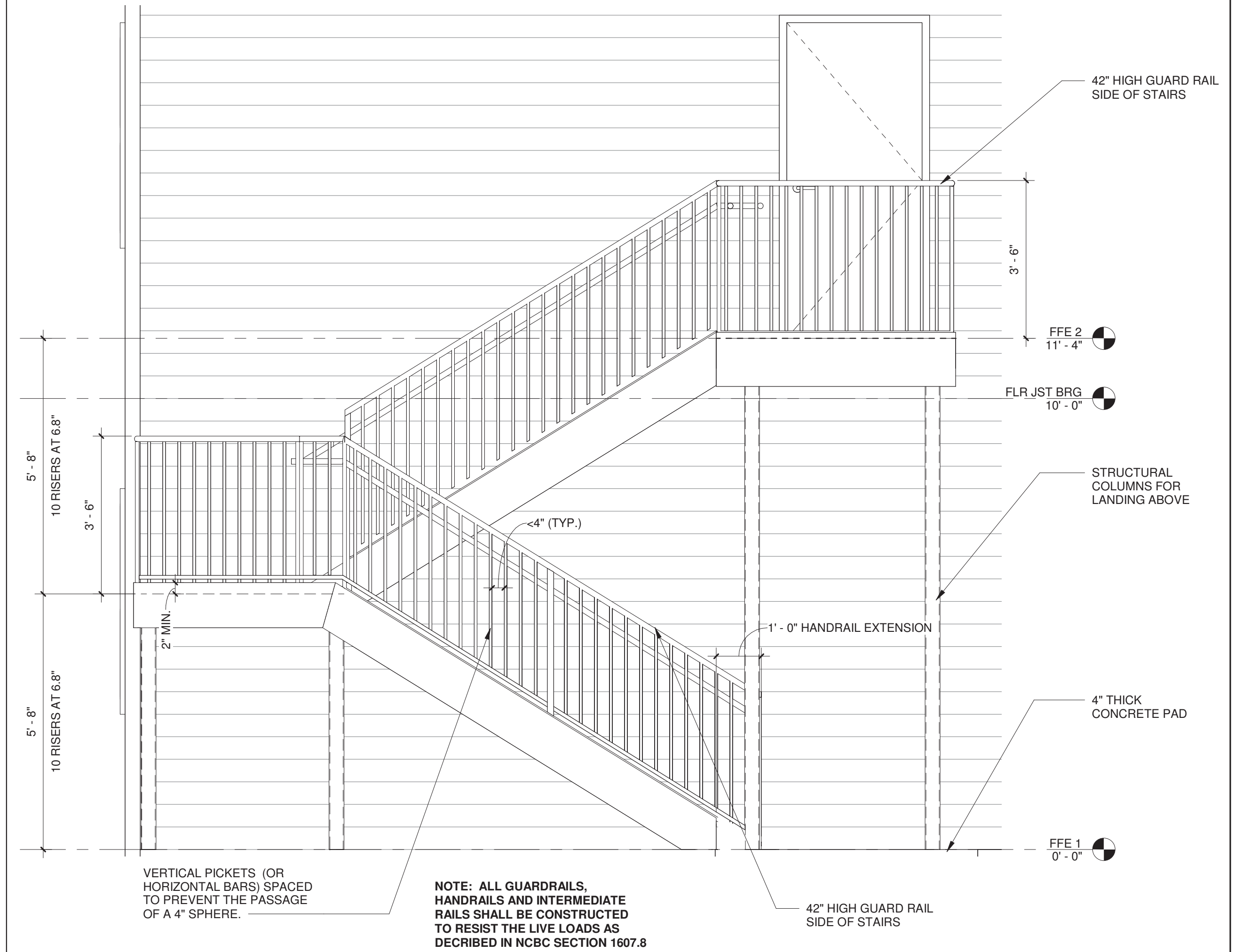
1 ELEVATION (LEFT)
1/4" = 1'-0"



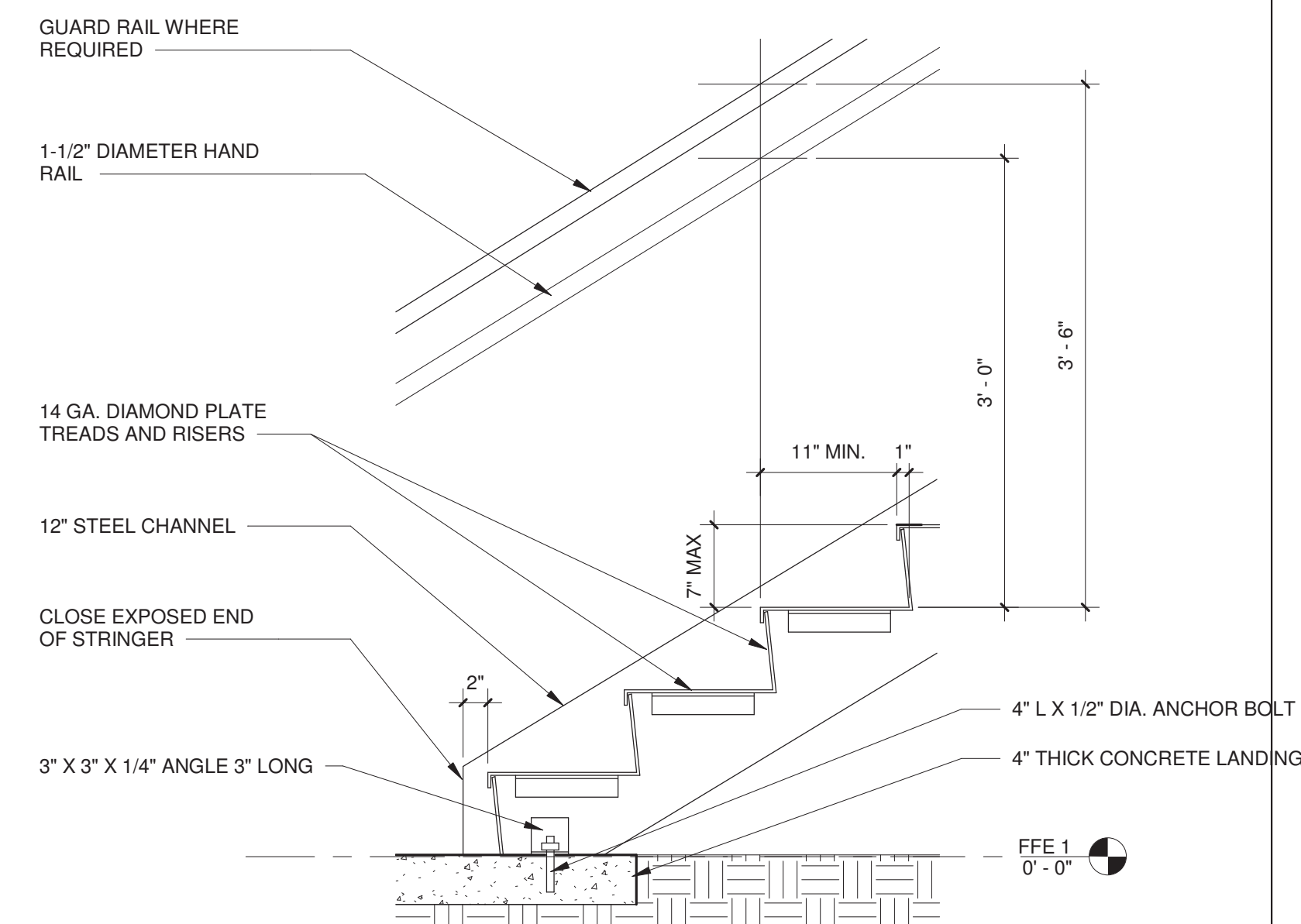
1 PLAN- EXTERIOR STAIR (1ST FLOOR)
1/2" = 1'-0"



2 PLAN- EXTERIOR STAIR (2ND FLOOR)
1/2" = 1'-0"



3 ELEVATION - EXTERIOR STAIR
1/2" = 1'-0"



4 DETAIL - STEEL STAIR
1" = 1'-0"



GONTRAM ARCHITECTURE, INC.

5100 UNICON DR. SUITE 103
WAKE FOREST, NC 27587
PHONE: 919.876.5331

eddie@gontramarchitecture.com
www.gontramarchitecture.com

© Copyright 2022
THESE DOCUMENTS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT. PUBLISH OR USE THEM ONLY WITH THE ARCHITECT'S EXPRESSED WRITTEN APPROVAL.



NEW BUILDING
for PAUL BARBOUR & SONS
11496 HWY 401N
FUQUAY-VARINA, NC 27526

PLOT DATE:
5/24/2022
ISSUED:
5/24/2022
FOR CONSTRUCTION

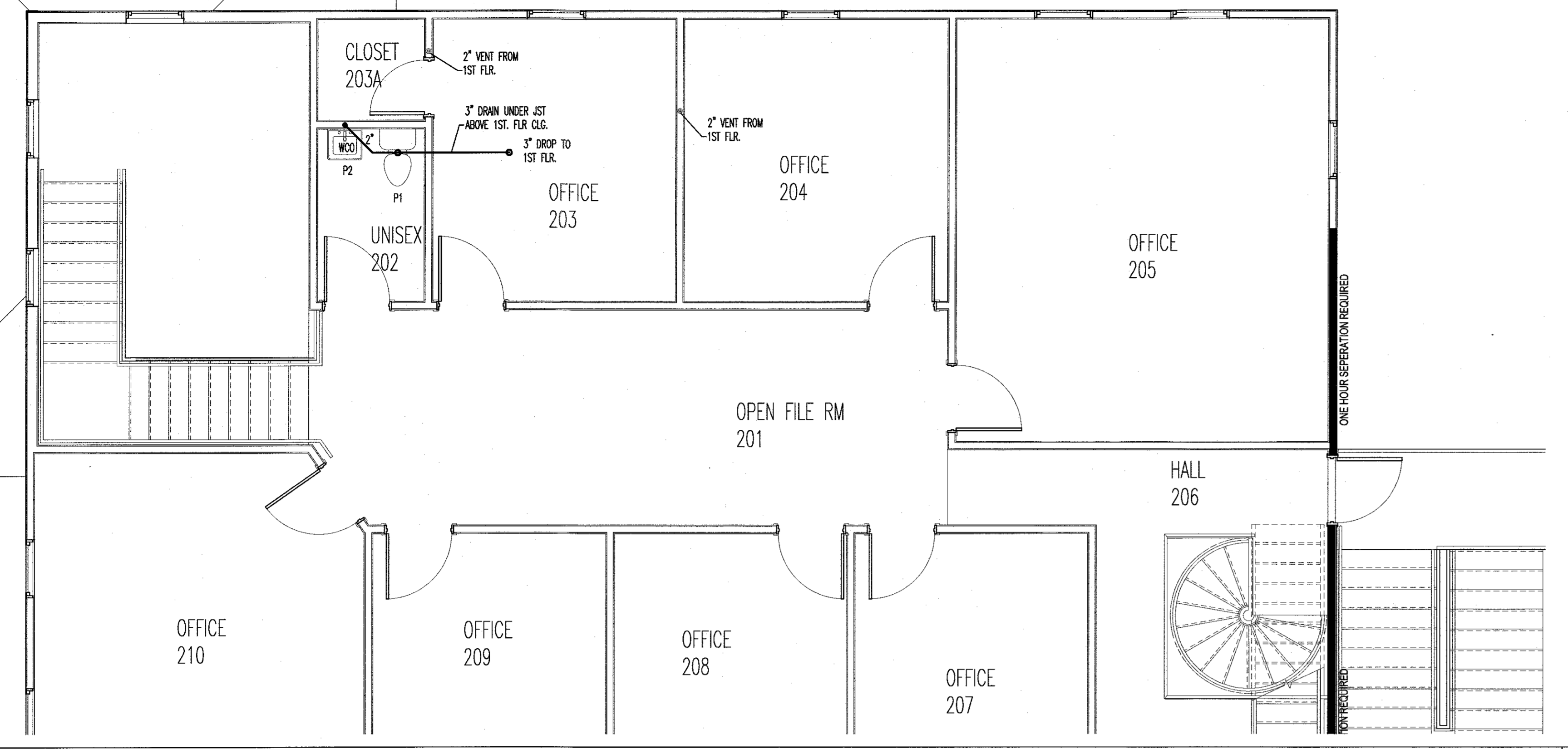
Rev.	Date	Description

DRAWN BY: PJA
APPROVED: E/JG

PROJECT NO.: 22039
RECORD:

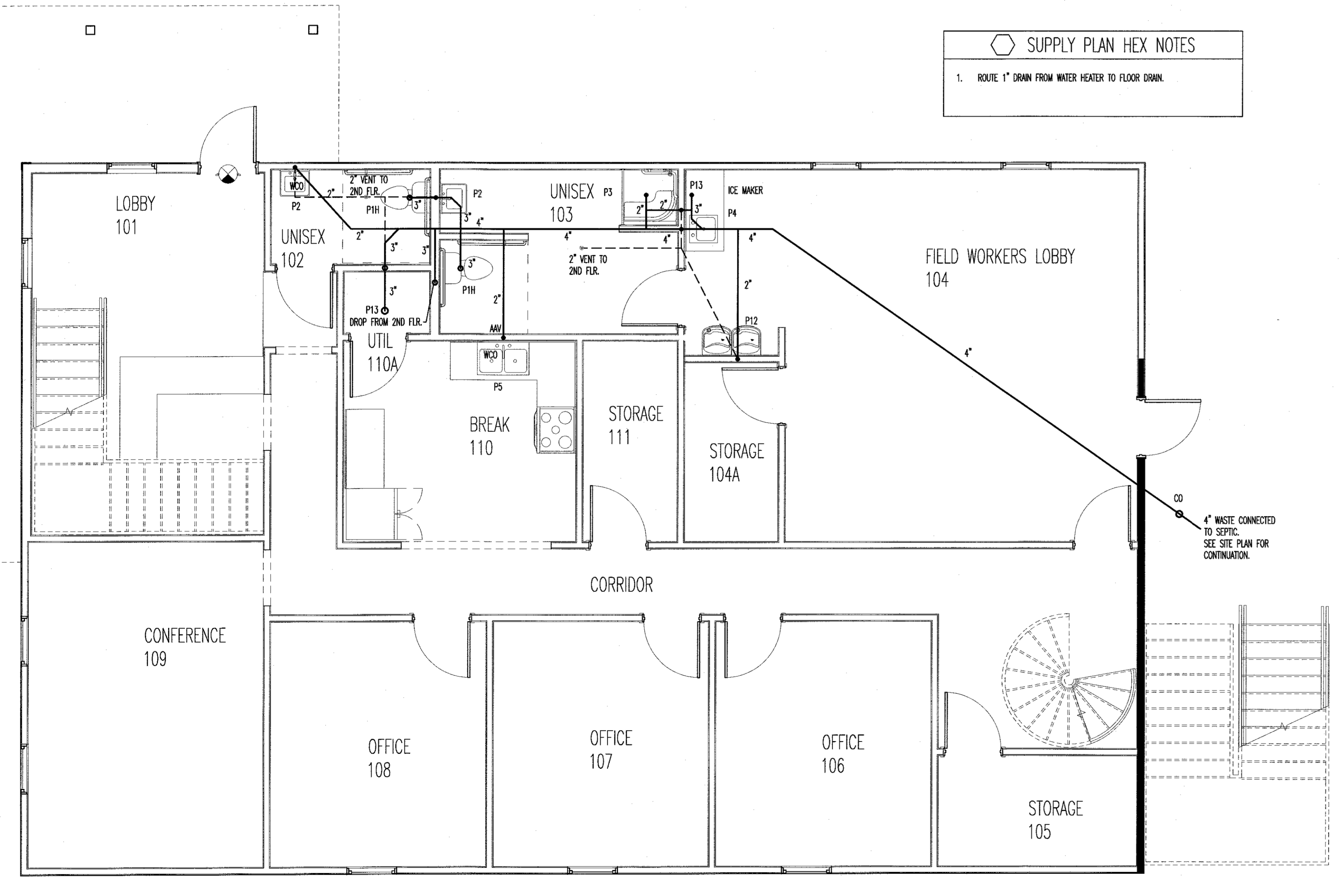
CONTENTS:
EXTERIOR STAIR

SHEET:
A701



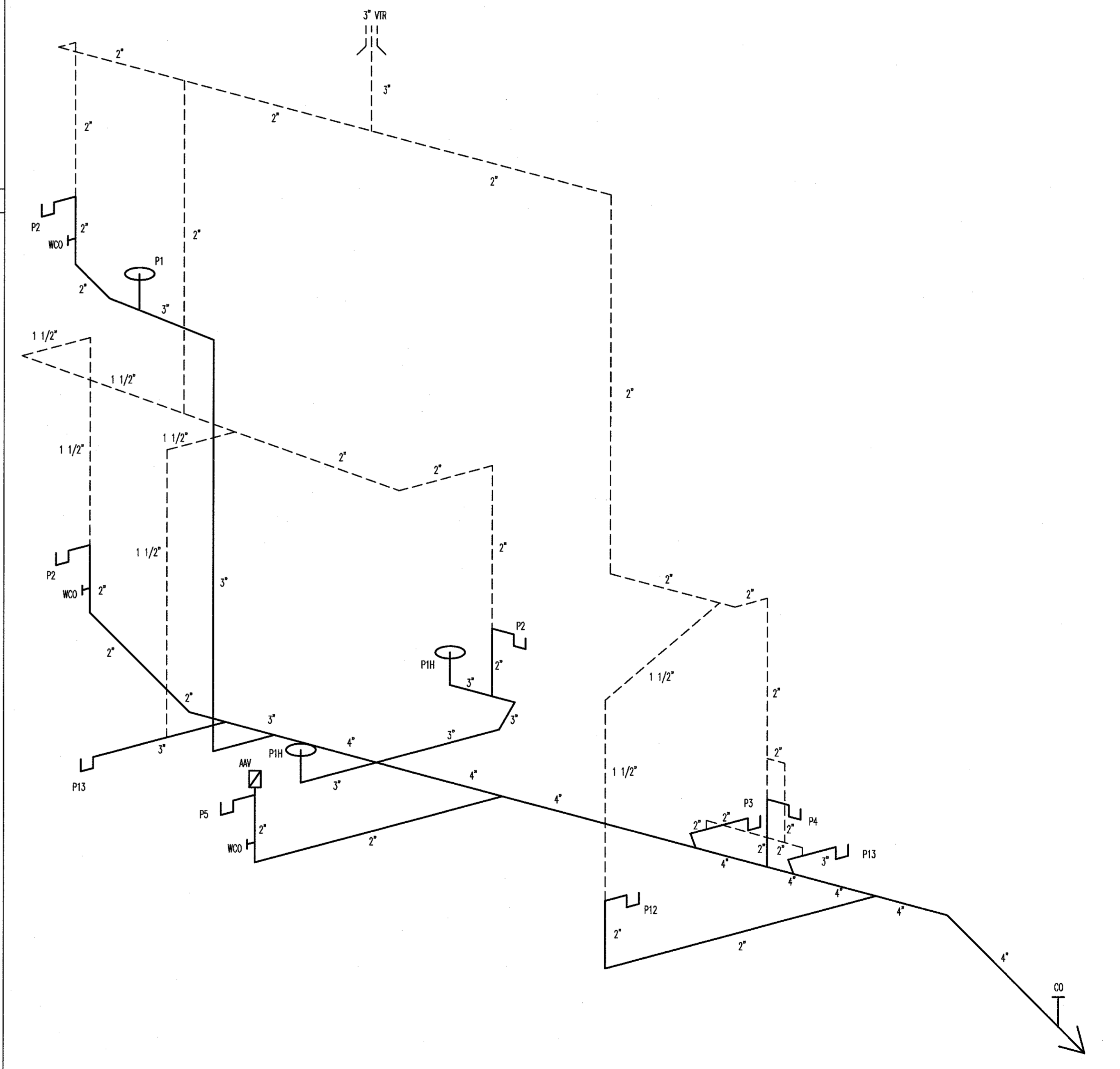
2ND FLR. PLUMBING WASTE PLAN SCALE: 1/4"=1'-0" | 1

SUPPLY PLAN HEX NOTES
 1. ROUTE 1" DRAIN FROM WATER HEATER TO FLOOR DRAIN.



1ST. FLR. PLUMBING WASTE PLAN SCALE: 1/4"=1'-0" | 2

LINETYPE LEGEND	
COLD WATER SUPPLY	—————
HOT WATER SUPPLY	- - - - -
SANITARY SEWER LINE	—————
VENT LINE	- - - - -



4" WASTE CONNECTED TO SEPTIC. SEE SITE PLAN FOR CONTINUATION.

PLUMBING WASTE RISER SCALE: NTS | 3

Kilian Engineering Inc.
 P.O. Box 3301, Henderson, NC 27536 | www.kilianengineering.com
 (P) 252.438.8778 | CORPORATE LICENSE C2277

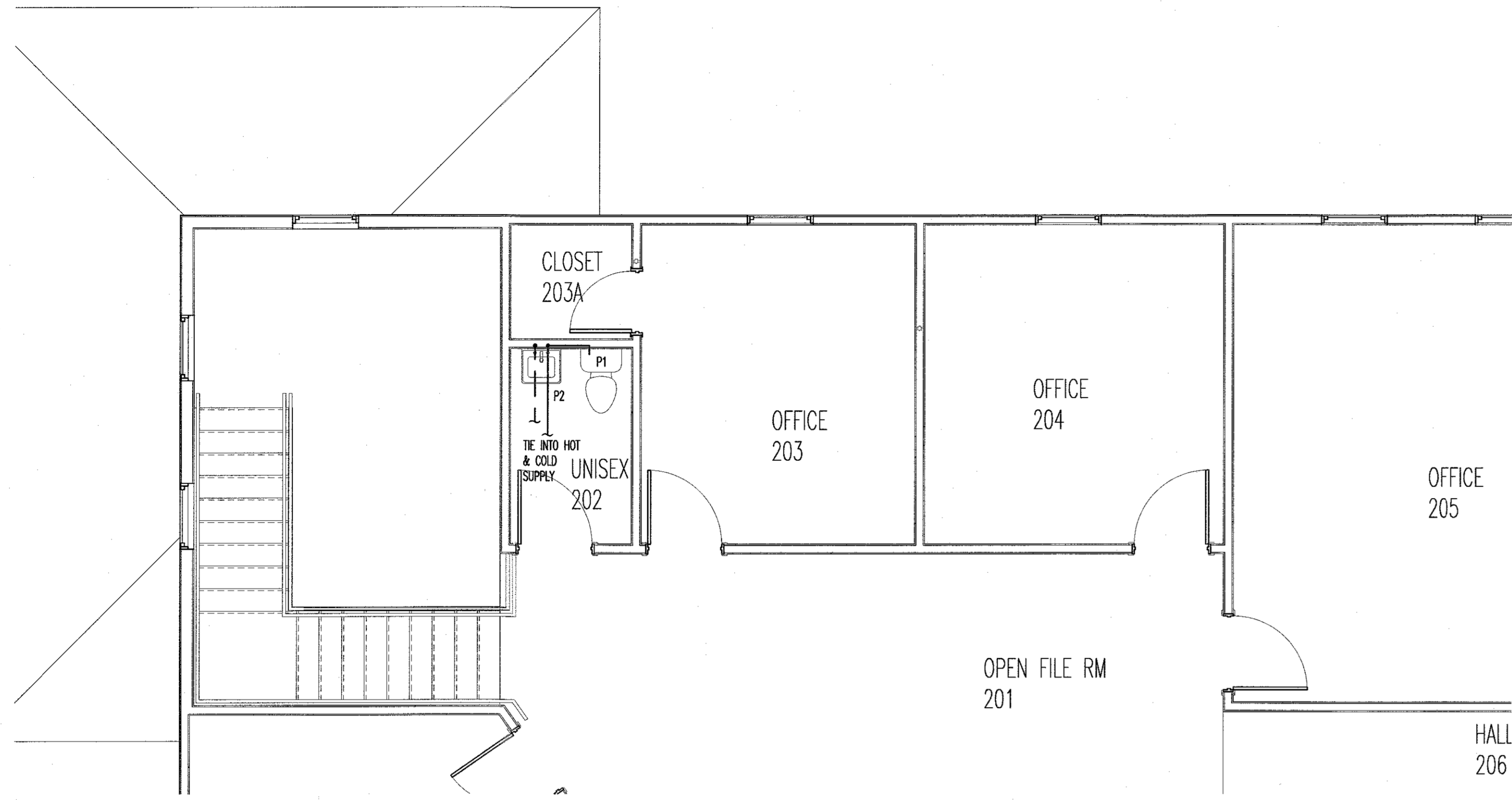
NEW BUILDING for PAUL BARBOUR & SONS
 11466 HWY 401N
 FLOQUA, N.C. 27526

REVISION:

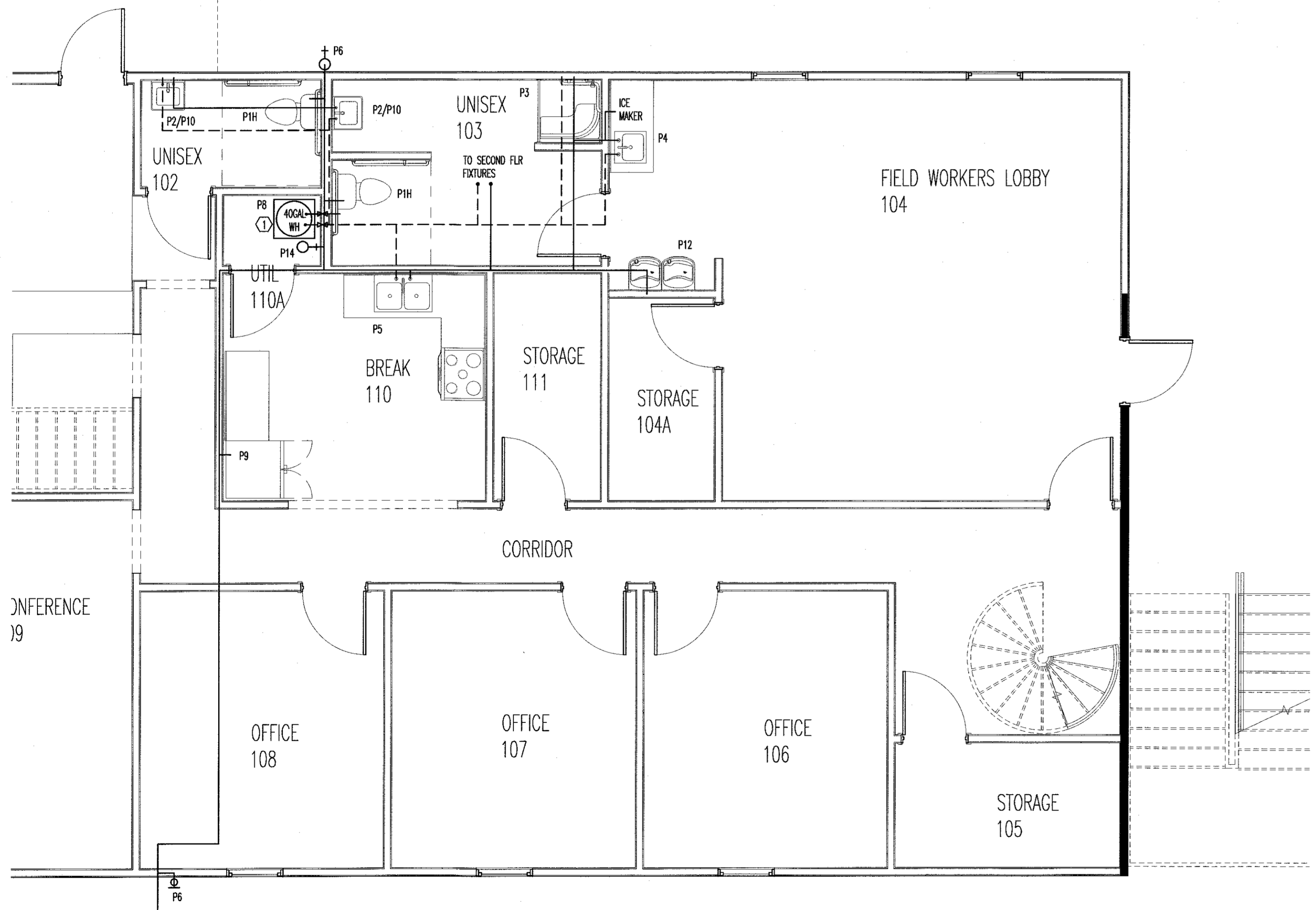
ISSUED:

ISSUED FOR PERMITTING
 5/23/22
 1-1

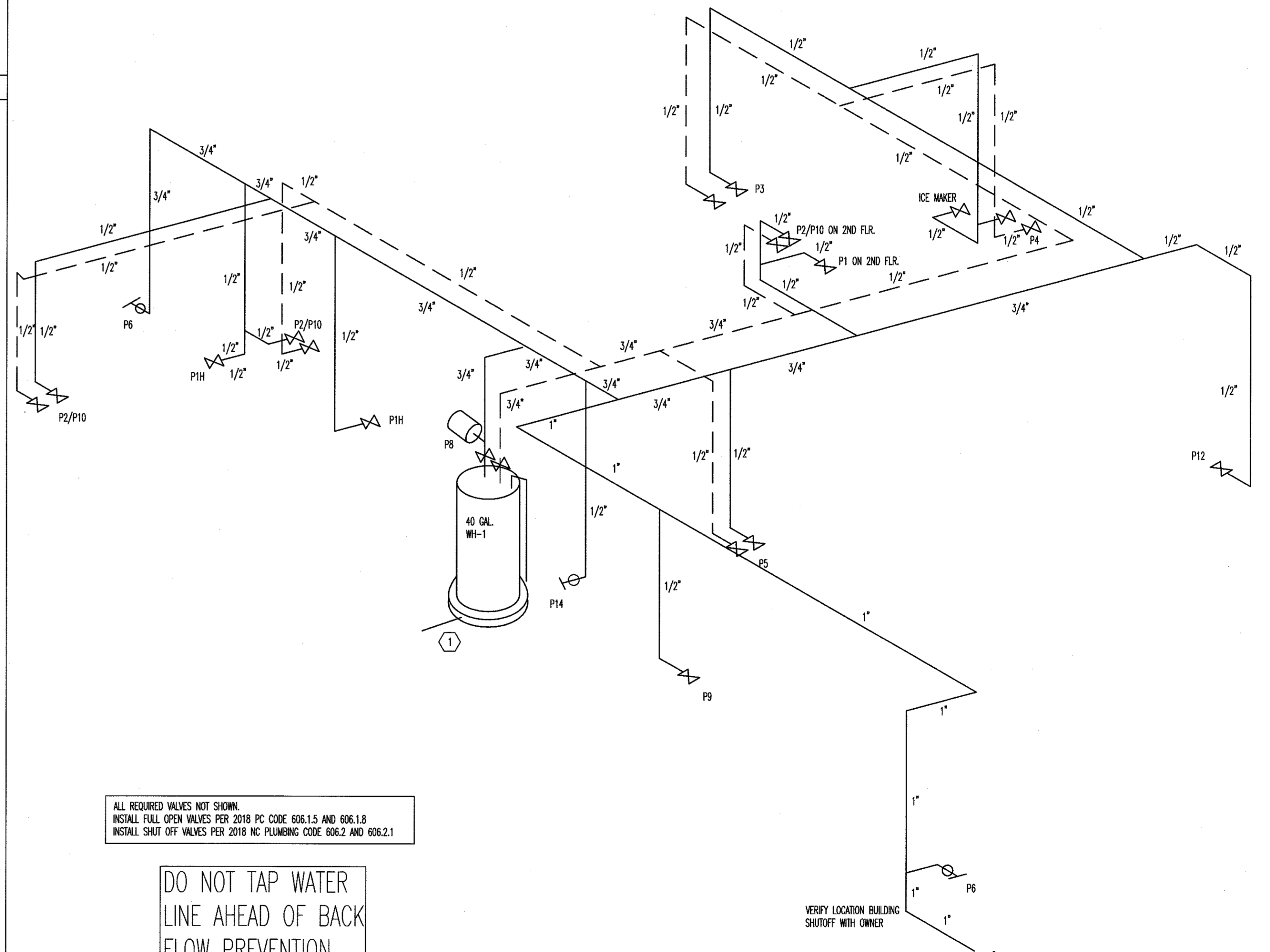
DRAWN BY: DC
 CHECKED BY: MWW, KDC
 PLUMBING WASTE PLANS AND RISER
 SHEET NO.
P2
 PROJECT NO: 22284



2ND FLR. PLUMBING SUPPLY PLAN SCALE: 1/4"=1'-0"



1ST FLR. PLUMBING SUPPLY PLAN SCALE: 1/4"=1'-0"



ALL REQUIRED VALVES NOT SHOWN.
 INSTALL FULL OPEN VALVES PER 2018 PC CODE 606.1.5 AND 606.1.8
 INSTALL SHUT OFF VALVES PER 2018 NC PLUMBING CODE 606.2 AND 606.2.1

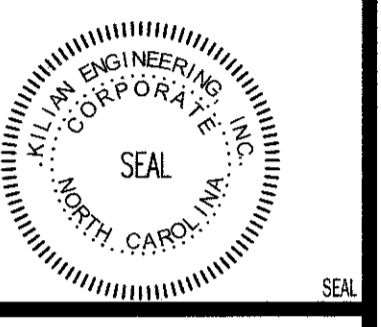
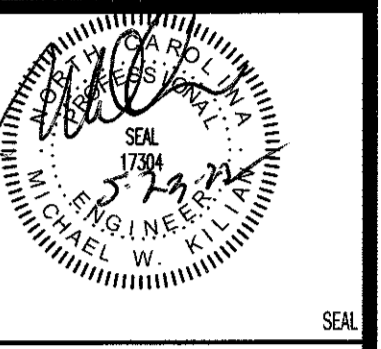
DO NOT TAP WATER
 LINE AHEAD OF BACK
 FLOW PREVENTION.

LINETYPE LEGEND

COLD WATER SUPPLY	—————
HOT WATER SUPPLY	- - - - -
SANITARY SEWER LINE	— · — · —
VENT LINE	— x — x —

SUPPLY PLAN HEX NOTES

1. ROUTE 1" DRAIN LINE TO FLOOR DRAIN.



NEW BUILDING
 for PAUL BARBOUR & SONS
 11486 HWY 401N
 FLOUAY VARIANA, NC 27526

REVISION:

ISSUED:

DRAWN BY: DC
 CHECKED BY: MWA/KOC
 PLUMBING SUPPLY PLANS AND
 RISER
 SHEET NO.

P3
 PROJECT NO. 22284

PLUMBING SUPPLY RISER SCALE: NTS 3

PANEL A table with columns: CXT, LOAD, BKR, KVA, PH, KVA, BKR, LOAD, CXT. Rows include PANEL 1, RANGE, 1ST FLR. HVAC, WAREHOUSE 1, GATE OPENER, and SPACE.

PANEL 1 table with columns: CXT, LOAD, BKR, KVA, PH, KVA, BKR, LOAD, CXT. Rows include BRK. RM RECP, REFIG. RECP, OFFICE 10A, etc.

PANEL 2 table with columns: CXT, LOAD, BKR, KVA, PH, KVA, BKR, LOAD, CXT. Rows include OFFICE 20B, 20C, 20D, 20E, etc.

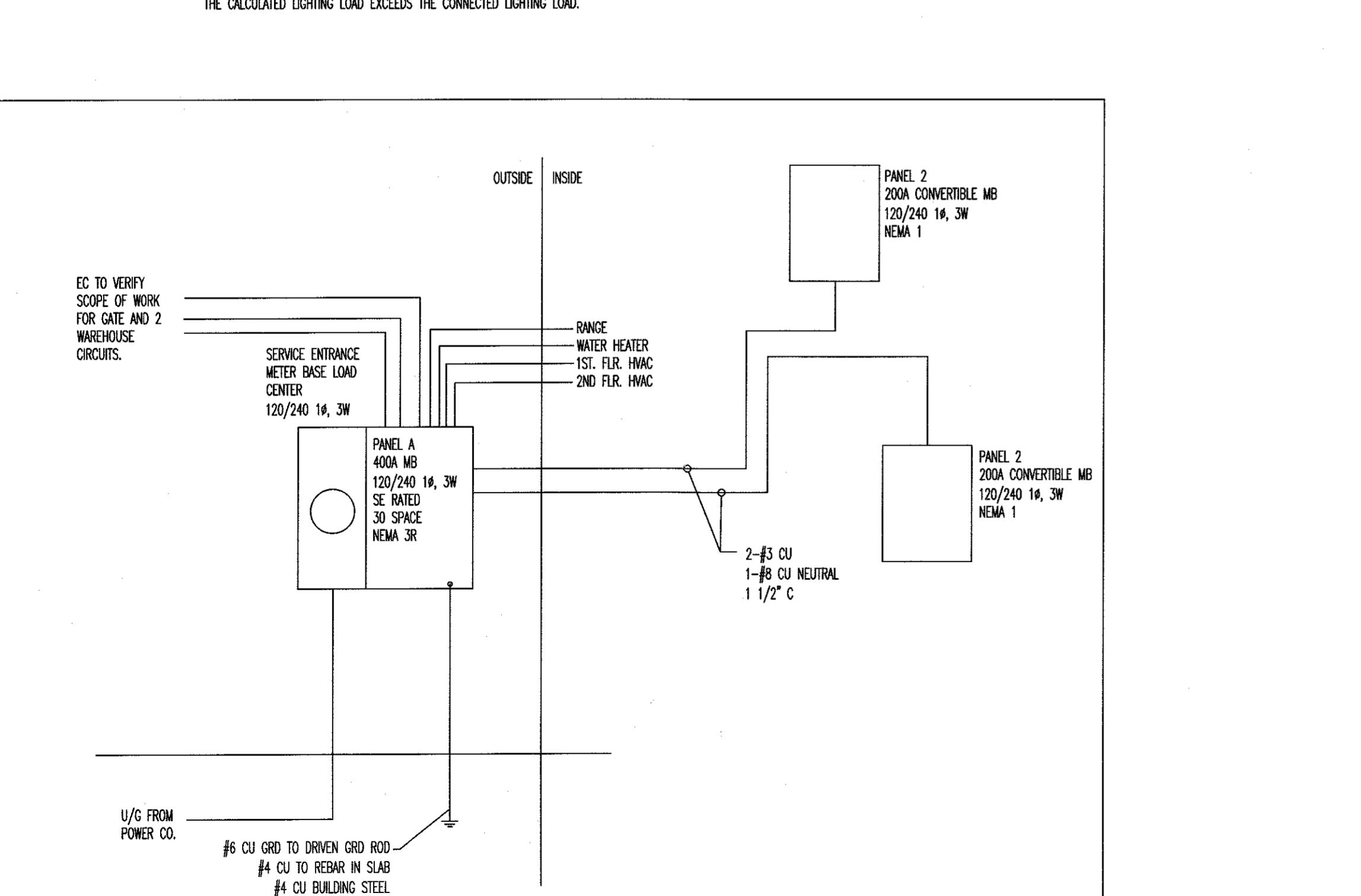
VOLTAGE/PHASE table with columns: BUS RATING, MAIN CIRCUIT BREAKER RATING, AIC RATING, SERVICE ENTRANCE RATED, ENCLOSURE, MOUNTING.

VOLTAGE/PHASE table with columns: BUS RATING, MAIN CIRCUIT BREAKER RATING, AIC RATING, SERVICE ENTRANCE RATED, ENCLOSURE, MOUNTING.

VOLTAGE/PHASE table with columns: BUS RATING, MAIN CIRCUIT BREAKER RATING, AIC RATING, SERVICE ENTRANCE RATED, ENCLOSURE, MOUNTING.

NEC ELECTRIC DEMAND SUMMARY table with columns: EQUIPMENT, DEMAND FACTOR, kVA (A, B), LOAD kVA, NEC REFERENCE, NOTES/CALCULATIONS.

DESCRIPTION table with columns: DESCRIPTION, FURN. BY, VOLT/PH, MVA, MDDP, DISC, AWG, EGC, COND.

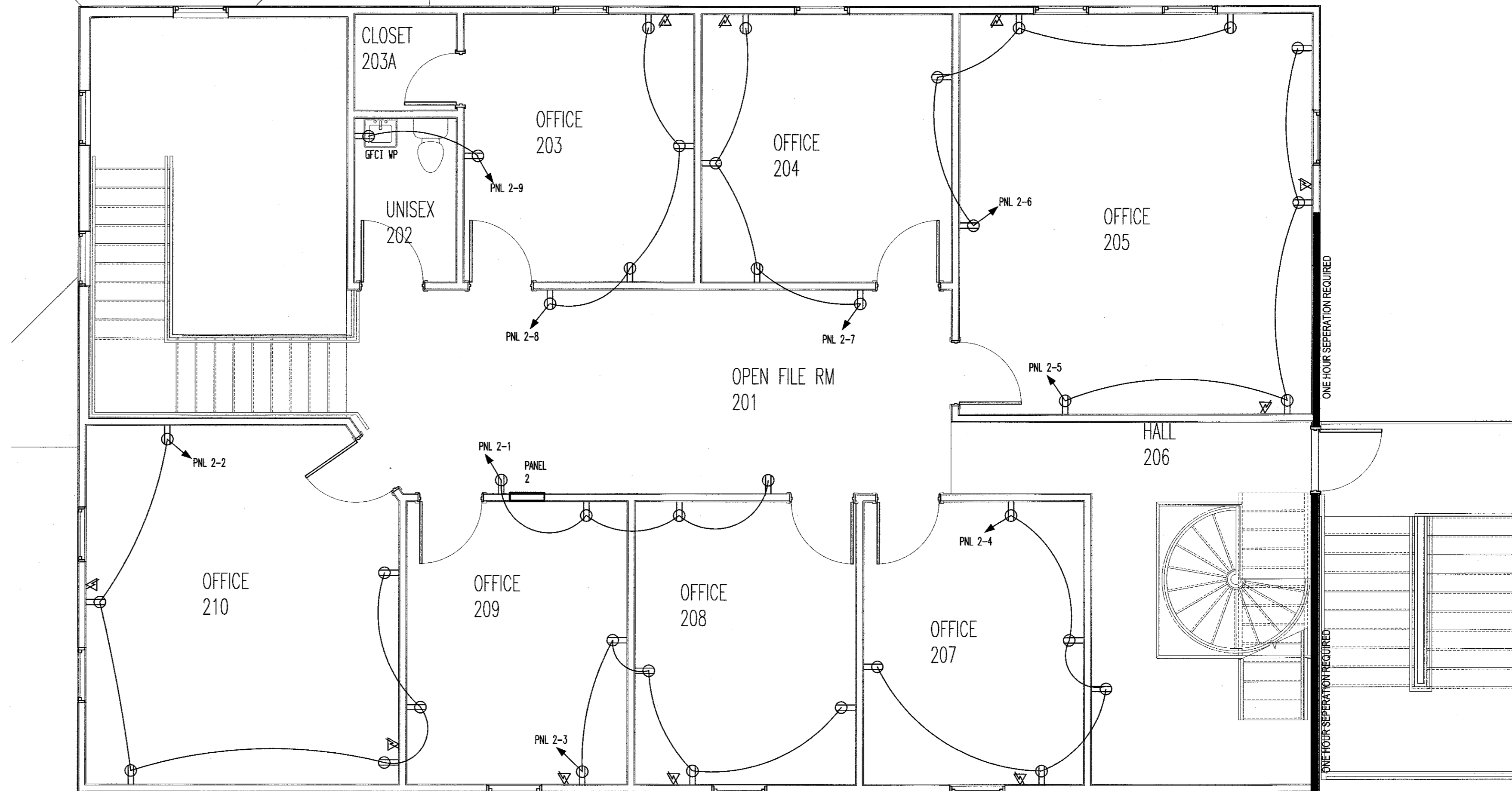


ELECTRICAL DESIGNER'S STATEMENT table including LIGHTING SCHEDULE, OCCUPANCY, AREA, ALLOWANCE, and WATTAGE ALLOWED.

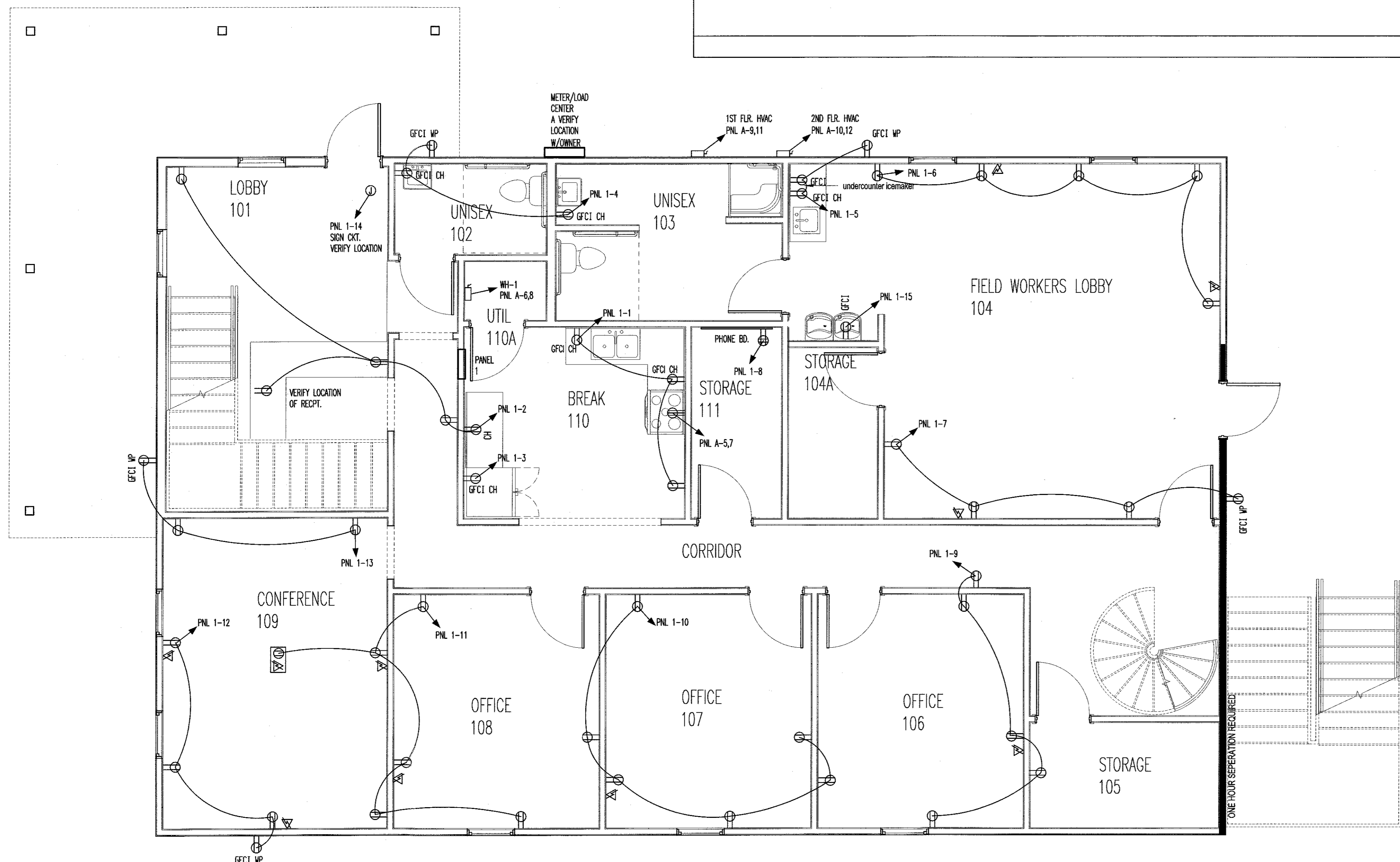
GENERAL ELECTRICAL NOTES: 1. THE FOLLOWING ABBREVIATIONS SHALL APPLY TO NOTES AND PLANS: PC - PLUMBING CONTRACTOR, EC - ELECTRICAL CONTRACTOR, etc.

NOTES FOR EMERGENCY FIXTURES table with columns: NO. FOR INTERIOR FIXTURES WITH EMERGENCY BATTERIES, etc.

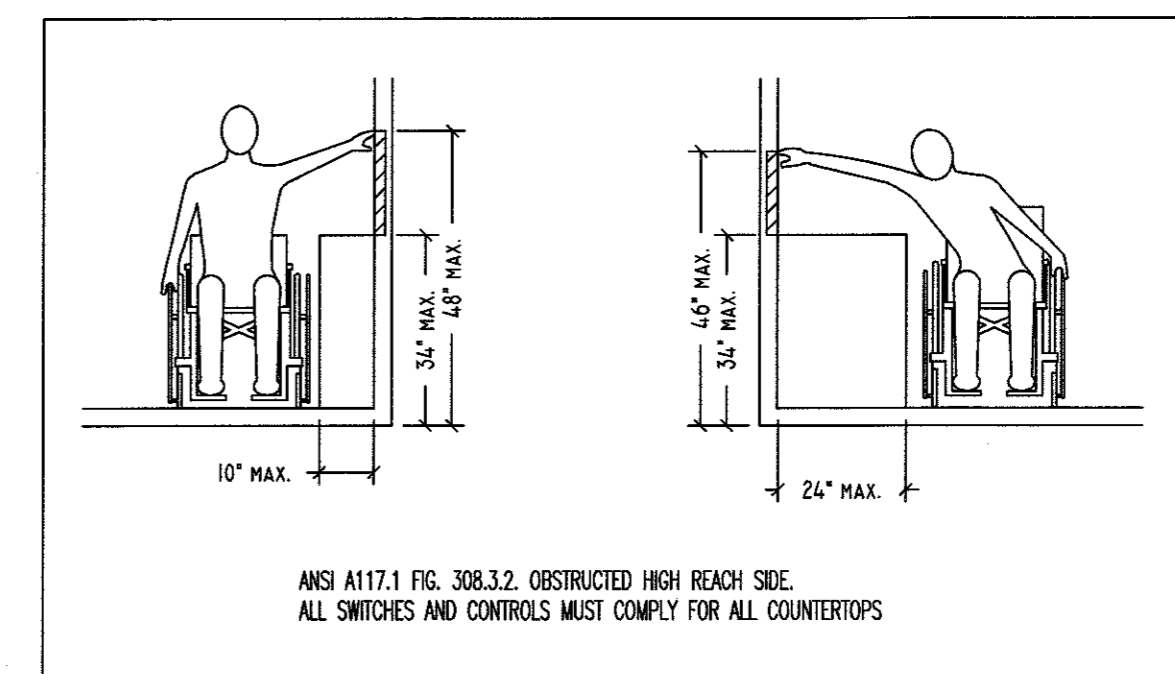
Professional engineering seals for Killian Engineering Inc. and Paul Barbour & Sons, along with project details like PROJECT NO: 22284 and SHEET NO: E1.



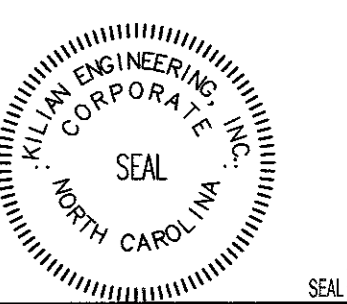
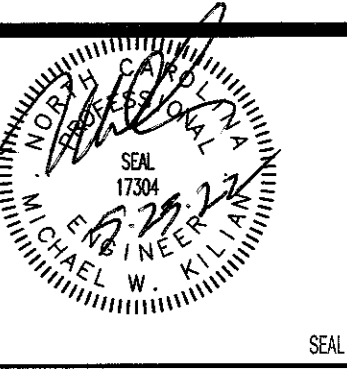
2ND FLR. ELECTRICAL POWER PLAN SCALE: 1/4"=1'-0"



1ST FLR. ELECTRICAL POWER PLAN SCALE: 1/4"=1'-0"



SYMBOL	DESCRIPTION	REMARKS
	DATA AND TELEPHONE JACK	PHONE/DATA OUTLET. EC TO INSTALL 3/4" C WITH PULL-STRING FROM OUTLET BOX TO ABOVE CEILING FOR FUTURE USE. JACKS AND COMMUNICATION CABLING BY OTHERS.
	DUPLEX RECEPTACLE	NEMA 5-20R, HEAVY DUTY, COMMERCIAL GRADE, 125V, 20A COMPLYING WITH NEMA WD 6 AND WD 1. GFCI OR AFCI IF NOTED. "WP" DENOTES WEATHERPROOF COVER. "CH" DENOTES COUNTER HEIGHT. LISTED TAMPERPROOF IF NOTED. MEET FEDERAL SPECIFICATION V-C-526.
	QUAD RECEPTACLE	QUAD RECEPTACLE OF SAME CHARACTERISTICS AS DUPLEX TYPE ABOVE.
	DUPLEX FLOOR RECEPTACLE	DUPLEX RECEPTACLE OF SAME CHARACTERISTICS AS ABOVE WITH BRASS COVER. MOUNT IN FLOOR. ALL FLOOR BOXES MUST BE LISTED FOR FLOOR APPLICATION.
	DISCONNECT SWITCH	HEAVY DUTY TYPE, TYPE 1 ENCLOSURE IN INTERIOR APPLICATIONS, TYPE 3R ENCLOSURE IN EXTERIOR APPLICATIONS.
	JUNCTION BOX	GALVANIZED METAL BOX CONSTRUCTED IN ACCORDANCE WITH 314.40 OF THE NEC.



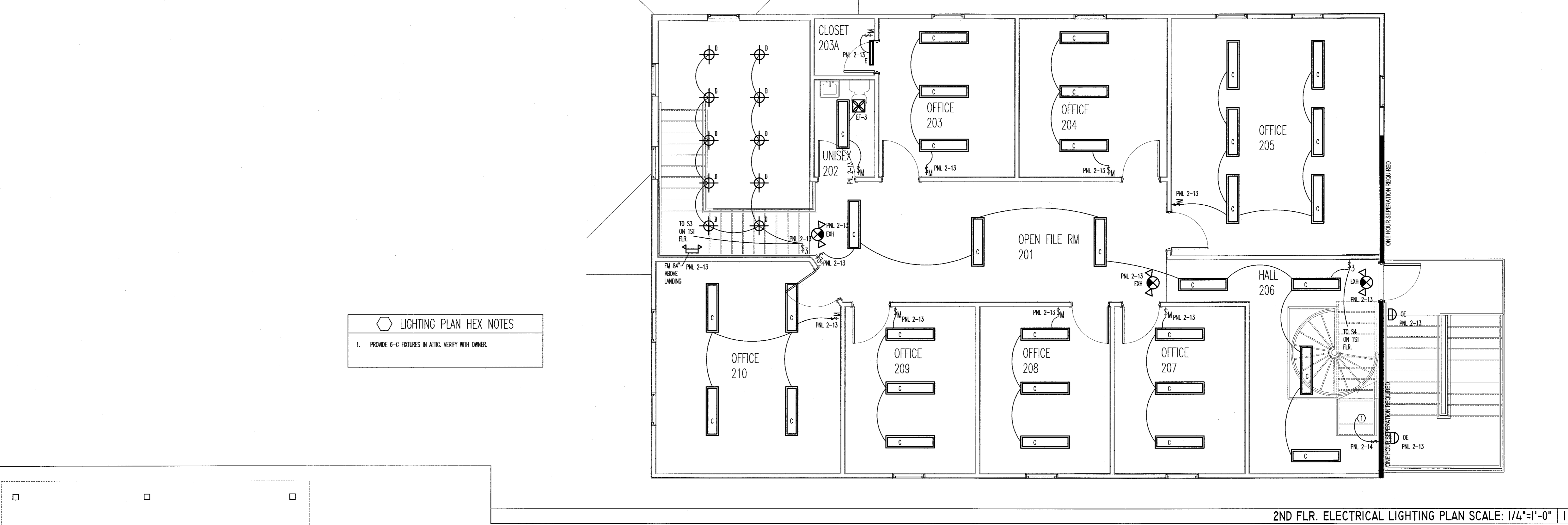
NEW BUILDING
 for PAUL BARBOUR & SONS
 11486 HWY 401N
 FLOQUA, N.C. 27526

REVISION:

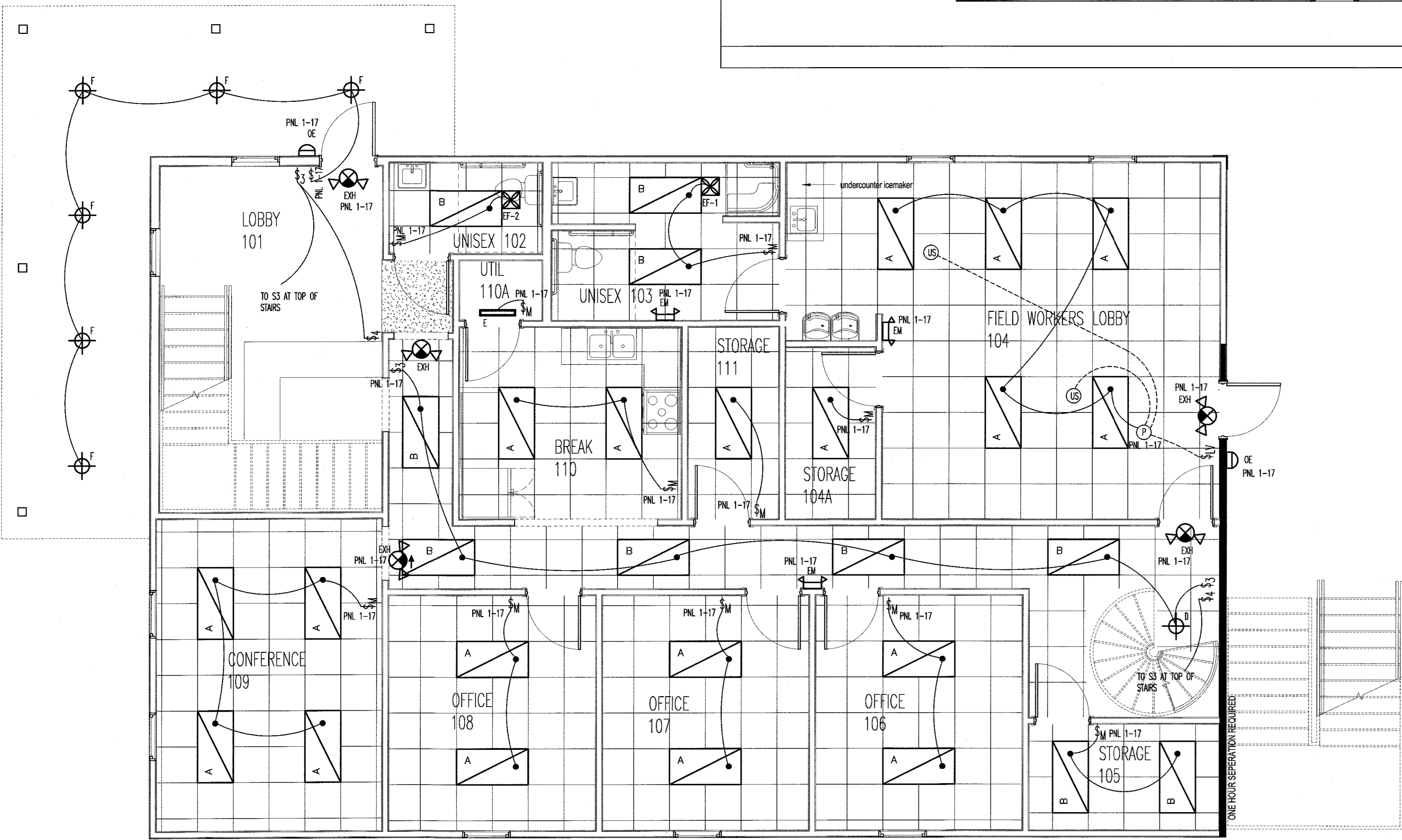
ISSUED:

DRAWN BY: DC
 CHECKED BY: MMW/DC
 ELECTRICAL POWER PLANS

SHEET NO.
E2



 LIGHTING PLAN HEX NOTES
 1. PROVIDE 6-C FIXTURES IN ATTIC. VERIFY WITH OWNER.

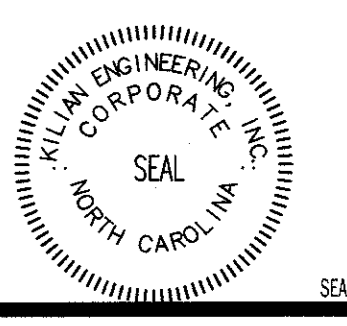
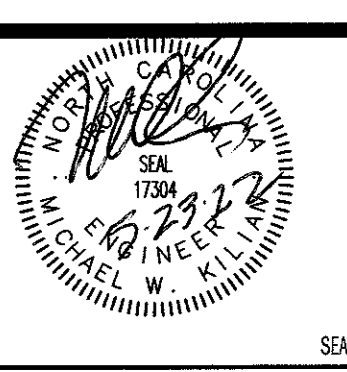


MARK	DESCRIPTION	LOUVER/LENS	LAMPS			VOLTAGE	INVT WATTAGE	MOUNTING	REMARKS	MFG	MODEL
			TYPE	WATTAGE	CCT						
A	2X4 LED TROFFER	-	LED	45	3500K	120	45	LAY-IN	2	LITHONIA	2 BLT4-48L-AIP-EZ1-LP835
B	2X4 LED TROFFER	-	LED	30	3500K	120	30	LAY-IN	2	LITHONIA	2 BLT4-30L-AIP-EZ1-LP835
C	2X4 LED WRAP AROUND	-	LED	30	3500K	120	30	SURFACE	2	LITHONIA	LRL4 33L LP835
D	6" LED DOWNLIGHT	-	LED	12.5	3500K	120	12.5	RECESSED	2	JUNO	L6-23LM-35K-120-G3
E	2X4 LED WRAP AROUND	-	LED	30	3500K	120	30	SURFACE	2	LITHONIA	BLWP2 33L AIP MWLT G210 LP835
F	6" LED DOWNLIGHT (WET LOCATION)	-	LED	12.5	3000K	120	12.5	RECESSED	2	JUNO	IC22LED WD GAN DGLM 30K 90CR1 120 FRPC WET LOCATION
DE	EXTERIOR OVAL LED EMERGENCY LIGHT	POLYCARBONATE	LED	6	-	120	12	SURFACE	1,2,4	EELP	DEM-LEB-3R-ACEH
EXH	LED EXIT/COMB W/ BATTERY BACKUP	ACRYLIC	LED	N/A	N/A	120	3	VARIES	1,2,3	LITHONIA	LHDM-S-V-1-R-120/277-N-SD
EM	DUAL HEAD EMERGENCY FIXTURE	ACRYLIC	LED	N/A	N/A	120	2	VARIES	1,2	LITHONIA	ELMEL-SIRT

1. FIXTURE SHALL HAVE BATTERY BACKUP FOR 90 MINUTE ILLUMINATION
 2. OR EQUAL BY COOPER OR MODERN
 3. VERIFY STYLE OF LIGHT WITH OWNER
 4. CONTROLLED BY PHOTO CELL

VERIFY ALL FIXTURE COLORS AND COLOR TEMPERATURE WITH OWNER OR ARCHITECT PRIOR TO PURCHASE.

SYMBOL	DESCRIPTION	REMARKS
§	SINGLE POLE WALL SWITCH	HEAVY DUTY, AC ONLY, COMMERCIAL GRADE GENERAL USE SNAP SWITCH COMPLYING WITH NEMA WD 6 AND WD 1. IVORY PLASTIC BODY WITH TOGGLE HANDLE. 120-277V, 20A. MEET FEDERAL SPECIFICATION W-5-896.
S ₂	DIMMER SWITCH	COMMERCIAL GRADE, 120V, 1500W
W	WALL MOUNTED OCCUPANCY SENSOR	WATTSTOPPER DW-100 LINE VOLTAGE OCCUPANCY SENSOR. ULTRA SONIC AND INFRARED.
L _{LV}	LOW VOLTAGE SWITCH	WATTSTOPPER LVS-1 LOW VOLTAGE MOMENTARY CONTROL SWITCH.
3	3 WAY SWITCH	3-WAY TYPE SWITCH WITH SAME CHARACTERISTICS AS SINGLE POLE SWITCH ABOVE.
Ⓢ	CEILING OCCUPANCY SENSOR	WATTSTOPPER, WT-2255 LOW VOLTAGE OCCUPANCY SENSOR. ULTRA SONIC, 90 LINEAR FT. COVERAGE.
Ⓢ	SWITCHING PHOTOSENSOR	WATTSTOPPER, LS-102, CONSULT OWNER FOR FOOT-CANDLE SET POINT.
P	POWER PACK	WATTSTOPPER, B2-150 LOW VOLTAGE POWER PACK FOR CEILING PACK SENSORS.
Ⓢ	JUNCTION BOX	GALVANIZED METAL BOX CONSTRUCTED IN ACCORDANCE WITH 314.40 OF THE NEC.
Ⓢ	EXHAUST FAN	VENT FAN, 120V, CFM AS NOTED MC TO PROVIDE AND VENT, EC TO WIRE.



NEW BUILDING
 for PAUL BARBOUR & SONS
 11366 HWY 401A
 FLORENCE, VA 24535

REVISION:

NO.	DESCRIPTION

ISSUED:

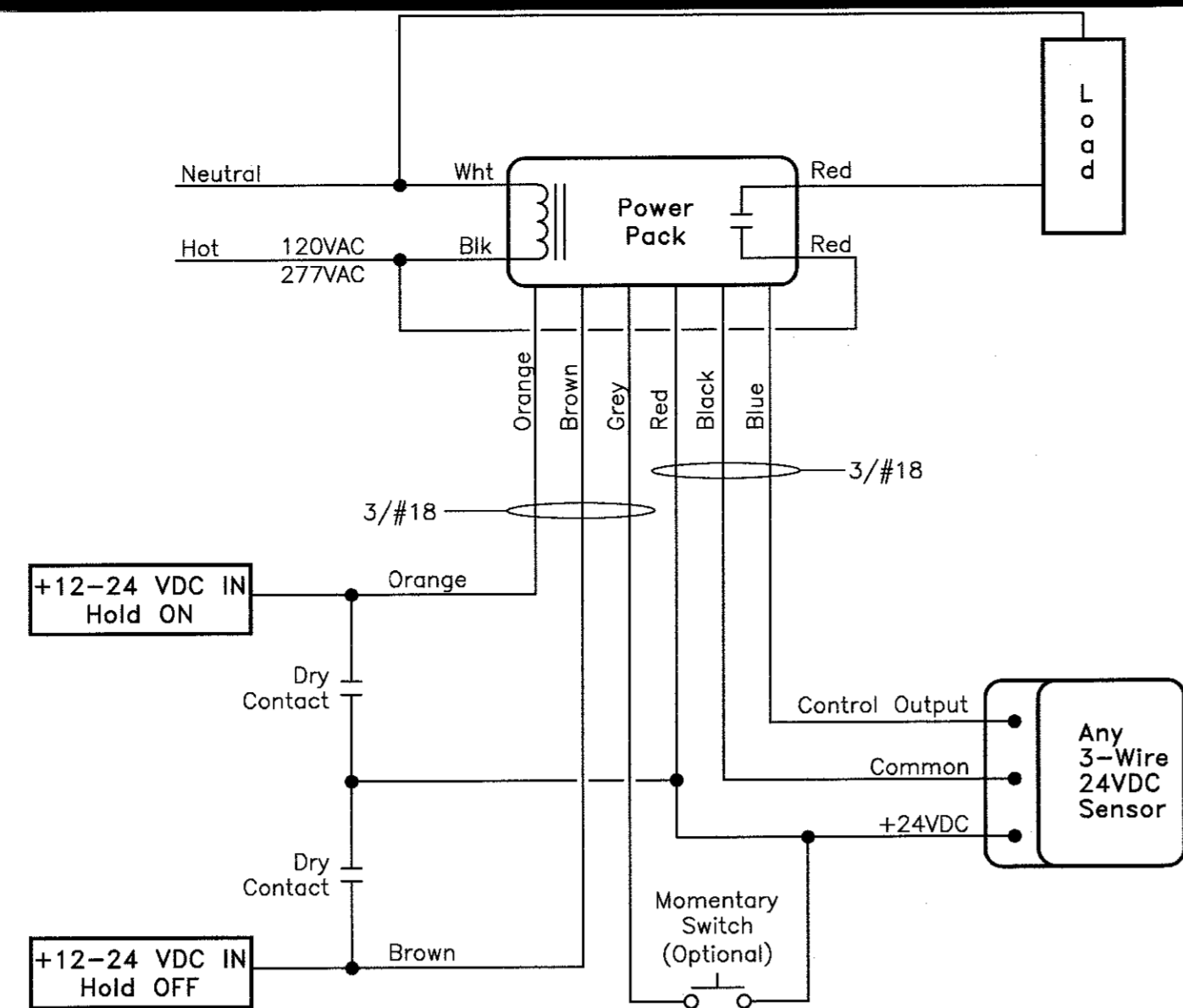
NO.	DATE	DESCRIPTION

DRAWN BY: DC
 CHECKED BY: MMH/ADC
 ELECTRICAL LIGHTING PLANS

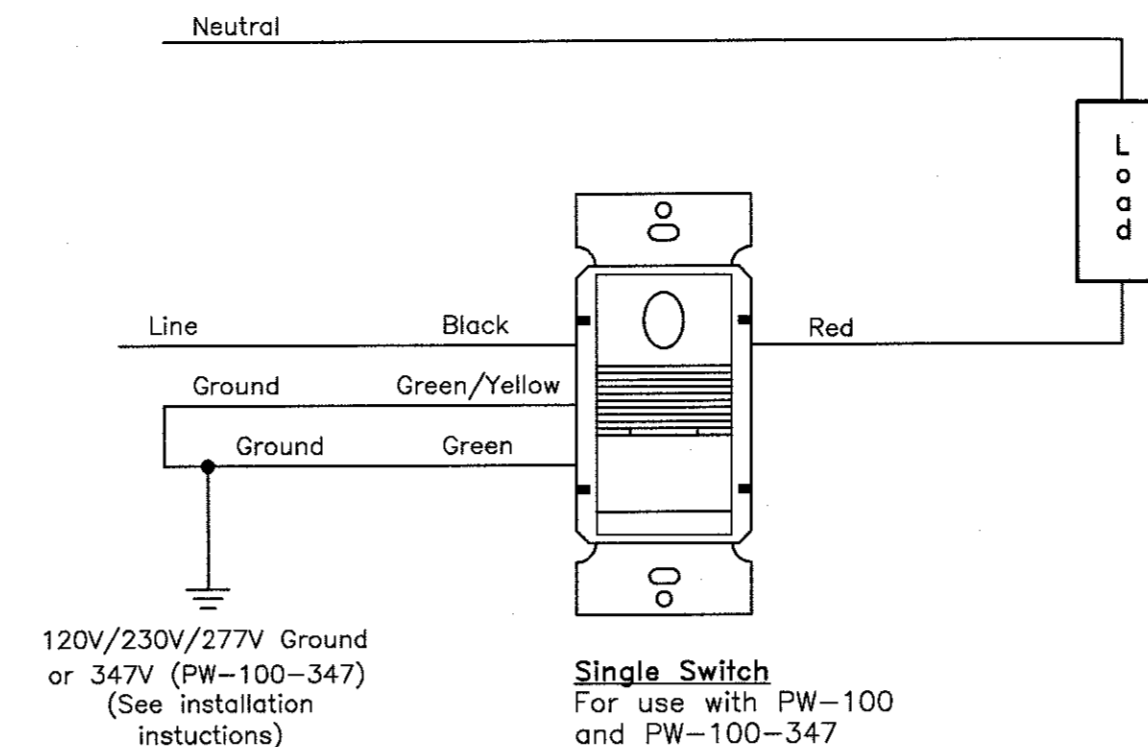
SHEET NO.

E3

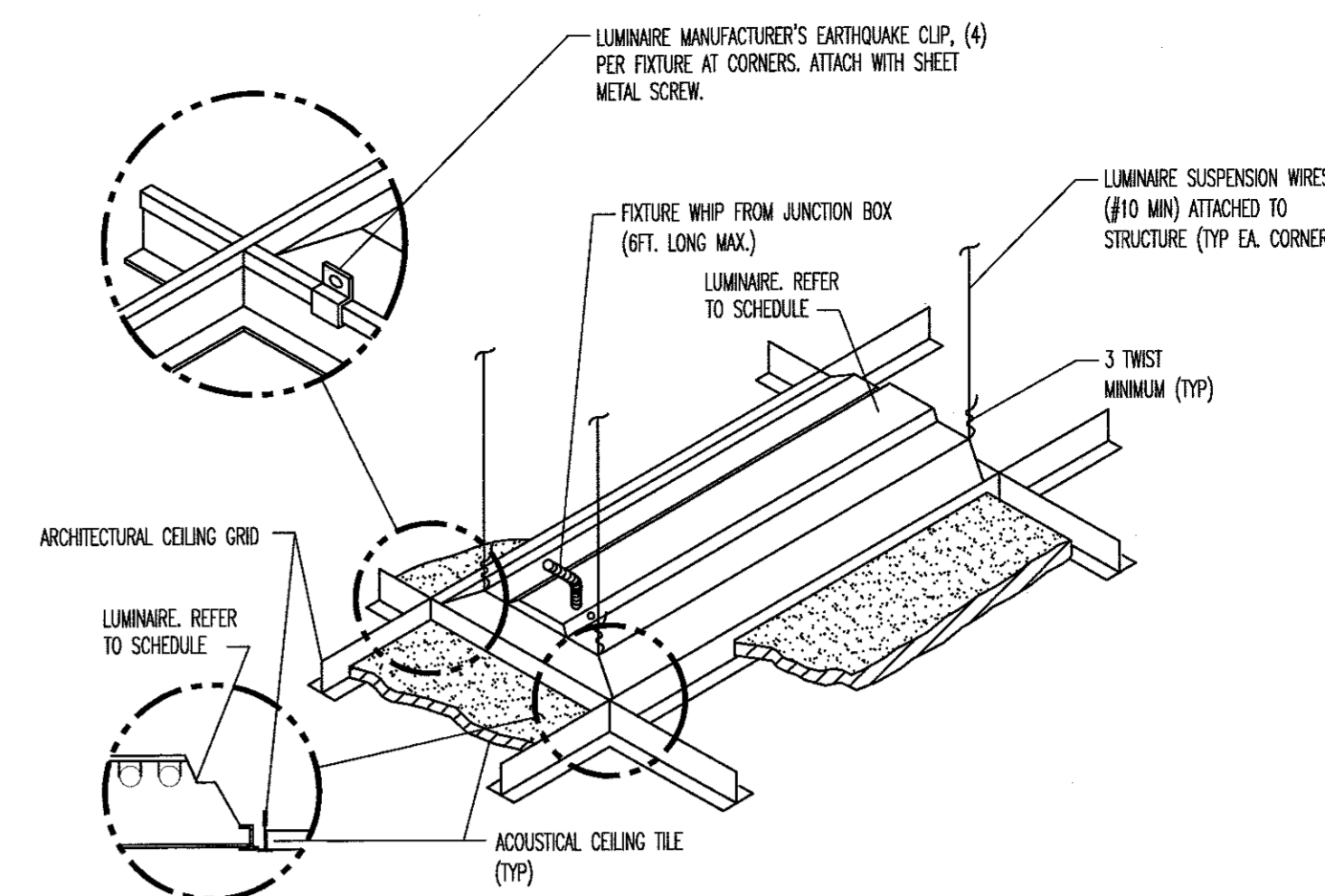
PROJECT NO: 22284



CEILING OCCUPANCY SENSOR WIRING - NO SCALE | 1



WALL OCCUPANCY SENSOR WIRING-NO SCALE | 2



LAY-IN FIXTURE SUPPORT-NO SCALE | 3

System No. W-L-1088
F Ratings - 1 & 2 Hr. (See Item 1)
T Rating - 0 Hr.

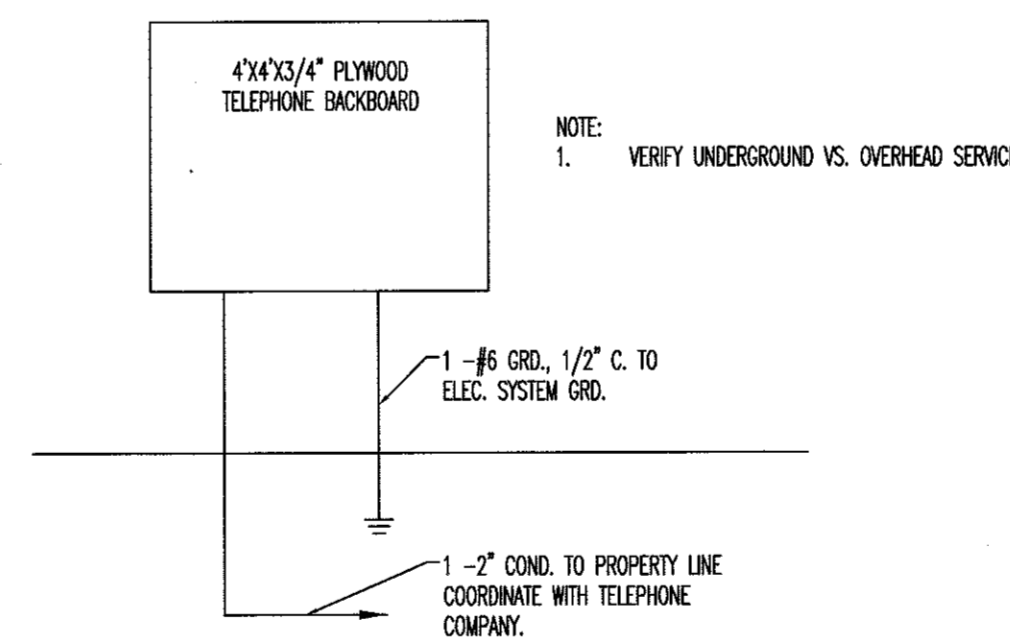
Section A-A

- Wall Assembly** - The 1 or 2 hr. fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) O.C. with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min. 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) O.C.
 - Gypsum Board** - 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 6-3/4 in. (171 mm).
The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
- Through Penetrant** - One metallic pipe, tubing or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipes, tubing or conduits and periphery of opening shall be min 0 in. (point contact) to max 5/8 in. (16 mm). Pipe, tubing or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, tubing or conduits may be used:
 - Steel Pipe** - Nom 6 in. (152 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe** - Nom 6 in. (152 mm) diam (or smaller) cast or ductile iron pipe.
 - Copper Tubing** - Nom 6 in. (152 mm) diam (or smaller) Type M (or heavier) copper tubing.
 - Copper Pipe** - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
 - Conduit** - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing, nom 4 in. (102 mm) diam (or smaller) galv steel conduit or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.
- Fill, Void or Cavity Material - Sealant** - Min 5/8 in. (16 mm) thickness of fill material within annulus, flush with both surfaces of wall. Additional fill material installed such that a min 1/4 in. (6 mm) thick crown is formed around the penetrating item lapping 1/2 in. (13 mm) beyond the periphery of the opening.
SPECIFIED TECHNOLOGIES INC - SpecSeal LC 150 Sealant, SpecSeal LE600 Sealant

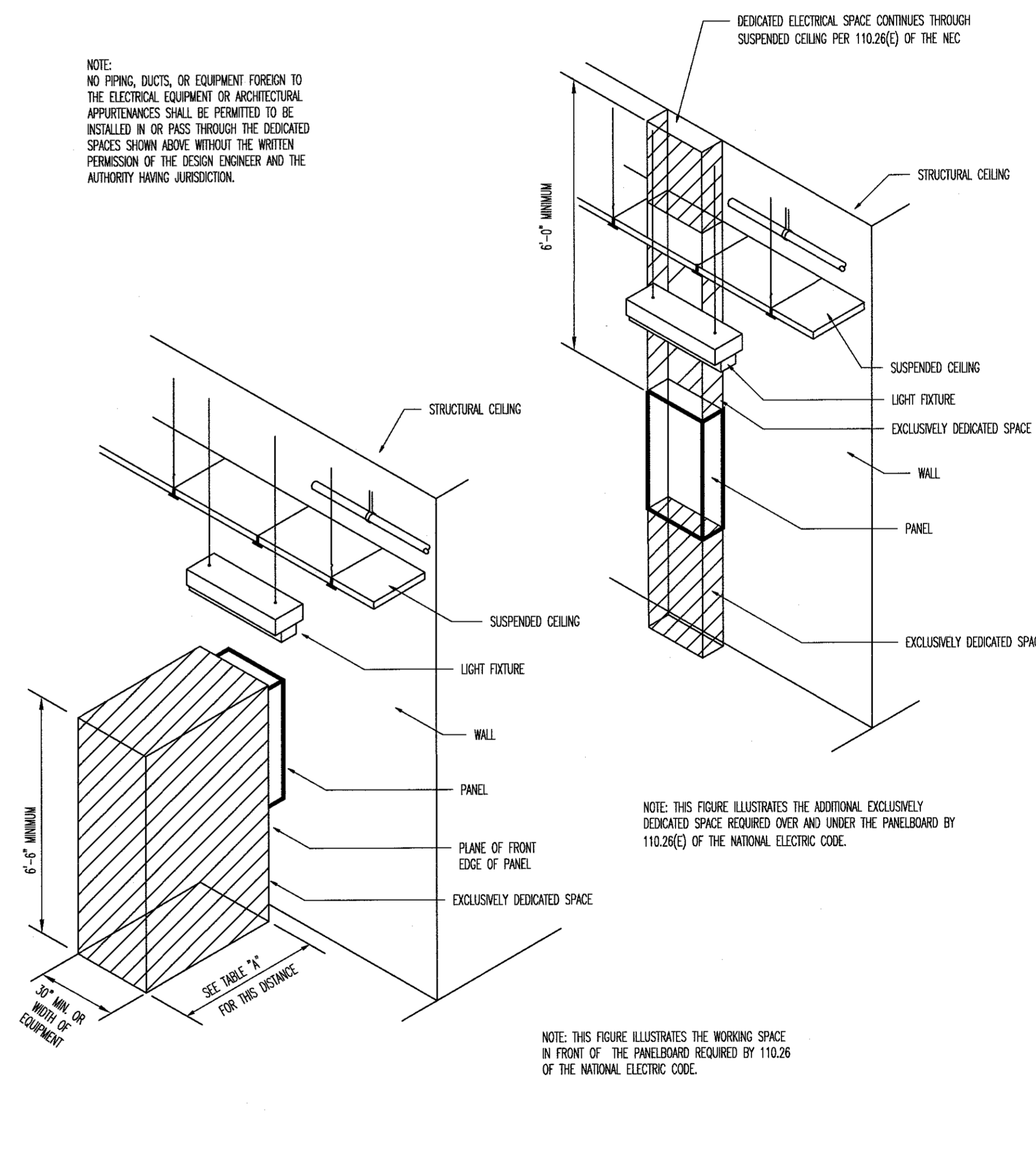
*Bearing the UL Classification Mark

Specified Technologies Inc. 200 Evans Way Somerville, NJ 08876
Reproduced courtesy of Underwriters
Created by Specified Technologies Inc. 2007
(800)962-1180 • (908)526-8000 • FAX (908)231-8415 • E-Mail techserv@stifirestop.com • Website: www.stifirestop.com
W-L-1088
PAGE 1 OF 1

RATED WALL DETAIL - NO SCALE | 4



PHONE BOARD DETAIL - NO SCALE | 5



NOTE: WHERE THE CONDITIONS ARE AS FOLLOWS:

CONDITION 1 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE THAT ARE EFFECTIVELY GUARDED BY INSULATING MATERIALS.

CONDITION 2 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE. CONCRETE, BRICK, OR TILE WALLS SHALL BE CONSIDERED AS GROUNDED.

CONDITION 3 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.

TABLE 110.26(A)(1) WORKING SPACE

VOLTAGE TO GROUND, NOMINAL	MINIMUM CLEAR DISTANCE (FEET)		
	CONDITION 1	2	3
0-150	3	3	3
151-600	3	3-1/2	4

Kilian Engineering, Inc.
PO Box 3301, Henderson, NC 27536 | www.kilianengineering.com
(P) 252.438.8778 | CORPORATE LICENSE C-2277

NEW BUILDING
for PAUL BARBOUR & SONS
11406 HWY 401N
FLOUQUA VILLAGE, NC 27526

REVISION:
ISSUED:
DRAWN BY: DC
CHECKED BY: MNN/KDC
ELECTRICAL DETAILS
SHEET NO.
E4
PROJECT NO: 22284