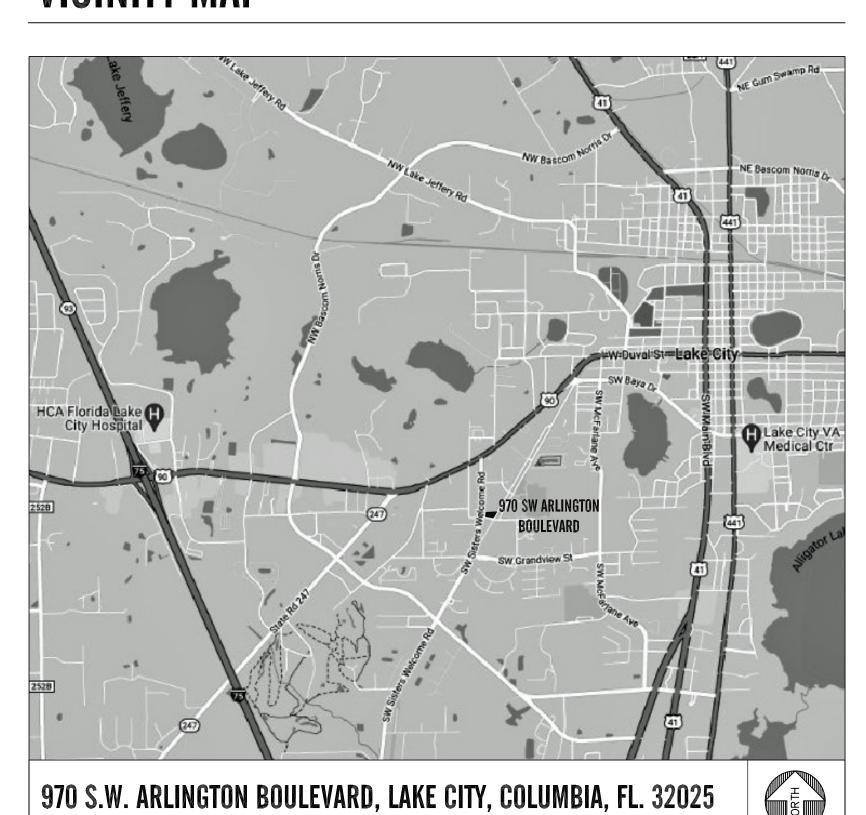
C.A. BOONE CONSTRUCTION, LLC. OFFICE BUILDING

RELEASE for PERMIT JUNE 26, 2024

970 S.W. ARLINGTON BOULEVARD

LAKE CITY, FLORIDA 32025

VICINITY MAP



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- A2 NEW OFFICE FIRST FLOOR PLAN, DOOR & WINDOW SCHEDULES & NOTES
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PLAN & DETAILS

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GOVERNING CODES

FLORIDA BUILDING CODE 8th EDITION (2023) - Building

FLORIDA BUILDING CODE 8th EDITION (2023) - Plumbing

FLORIDA BUILDING CODE 8th EDITION (2023)— Energy Conservation

FLORIDA BUILDING CODE 8th EDITION (2023)— Mechanical

NFPA 70-2020 NATIONAL ELECTRICAL CODE

2023 FLORIDA FIRE PREVENTION CODE- 8th EDITION (based off NFPA 1 & NFPA 101, 2012 EDITION)

FLORIDA BUILDING CODE 8th EDITION (2023) - Accessibility

BUILDING DATA

OCCUPANCY: (F.B.C) BUSINESS, GROUP 'B' (CLASS B Occupancy per 37.1.4.2 NFPA 101)

CONSTRUCTION CLASSIFICATION:

TYPE II-B (IBC) TYPE II(220) (NFPA 220); NON-COMBUSTABLE; UNPROTECTED; NON-SPRINKLED

AREA CALCULATIONS:

TOTAL OVERALL BUILDING AREA: 10,050.0 SQ. FT. OFFICE BUILDING (Two-story)- 5,100.0 SQ.FT. STORAGE/ WAREHOUSE (One-story)- 4,950.0 SQ.FT. TOTAL BUILDING HEIGHT: 2 STORY (27'-0" OVERALL GABLE HGT.)

OVERALL TOTAL OCCUPANTS: 49 PERSONS MAX. ALLOWABLE BUSINESS- First Floor: 1,810.0 sq.ft.

Office Area- 1,810 sq.ft./ 150 = 12 OCCUPANTS

Second Floor: 1,696 sq.ft.

Office Area- 310 sq.ft. / 150= 2 OCCUPANTS Cubicle Area- 1,200 sq.ft./150= 8 OCCUPANTS (6 Cubicles)

Breakroom Area- 186.0 sq.ft. (net)/15= 12 OCCUPANTS *34 PERSONS MAX. ALLOWABLE FOR BUSINESS*

STORAGE/ WAREHOUSE Area: 4,785 sq.ft./ 300= 15.95= 15 OCCUPANTS

:per NFPA 101- Table 7.3.1.2 *15 PERSONS MAX. ALLOWABLE FOR STORAGE/ WAREHOUSE*

MEANS OF EGRESS:

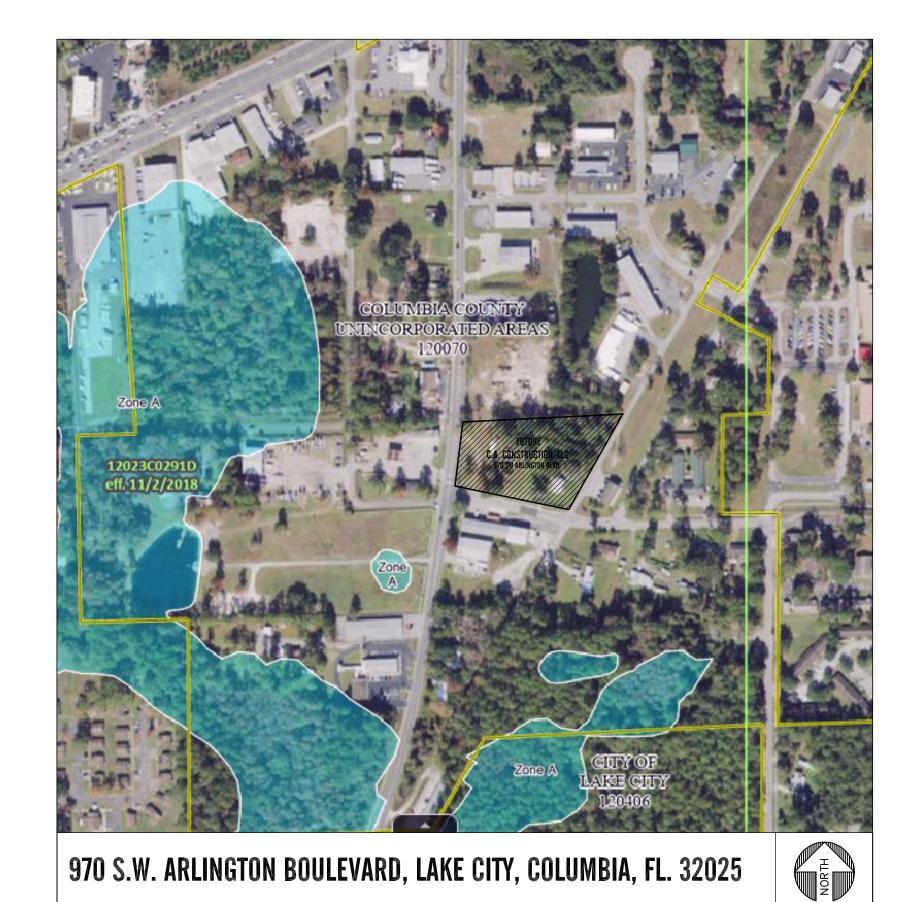
MIN. 1 EXIT PER FLOOR PERMITTED PER 2023 FBC- Building (8th Edition), Table 1006.2.1.:

Occupancy Group 'B' w/ Max. Occupant Load of Space of 49 Occupants (First Floor) & 29 Occupants (Second Floor)

(O.L.<30 w/o Sprinklers 100ft. max. common path of egress travel distance) Occupancy Group 'S' w/ Max. Occupant Load of Space of 29 Occupants (First Floor)

(O.L.<30 w/o Sprinklers 100ft. max. common path of egress travel distance)

LOCATION MAP



FLORIDA PRODUCT APPROVAL NOTICE:

"Contractor shall make available to the Building Inspector

documentation necessary to verify that all exterior envelope

components requiring product approval per FS 553.842 are

in compliance with product approval installation requirements."

STATEMENT OF VERIFICATION:

Per Lake City- Columbia County FEMA Flood Zone Map parcel #12023C0291D is not located within the designated Zone AE, Zone A, Zone X500 or Zone AE Floodway.

PROPERTY IDENTIFICATION:

PARCEL TAX ID:

#06-4S-17-08034-000

LOCATION ADDRESS: 970 S.W. ARLINGTON BOULEVARD LAKE CITY, FLORIDA 32025

LAND AREA: 2.75 acres

PROPERTY USE:

SEC/TWP/RNG:

SINGLE FAMILY (0100)

BRIEF LEGAL DESCRIPTION: COMM NW COR OF SEC 6, RUN E ALONG SEC LINE 330.7ft FOR POB, CONT E

03-10-17

ARCWORKS

CONSTRUCTIO C.A. BOONE (OFFICE BUILI

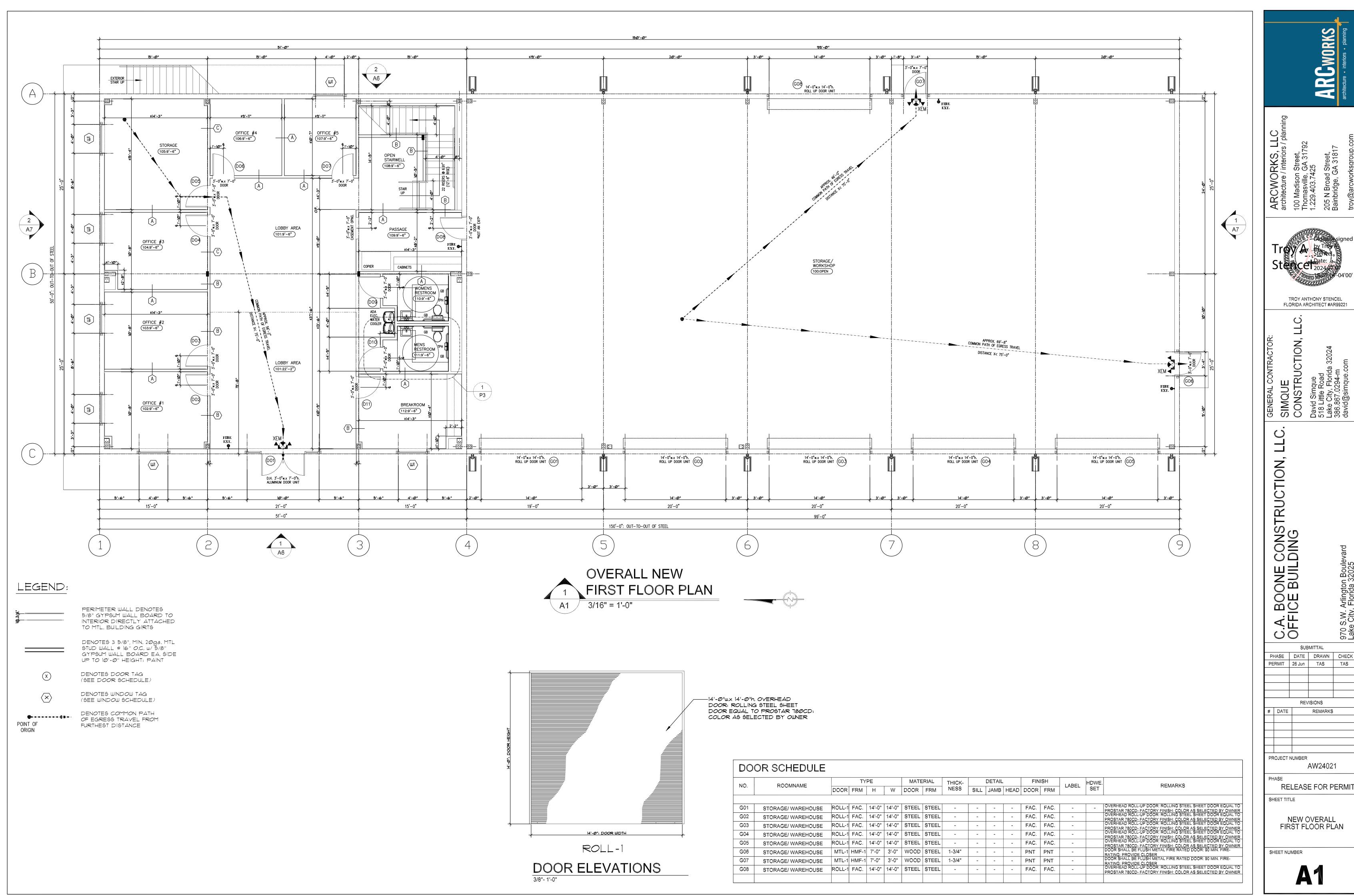
SUBMITTAL

PHASE DATE DRAWN CHECK PERMIT 26 Jun TAS REVISIONS REMARK\$

PROJECT NUMBER AW24021

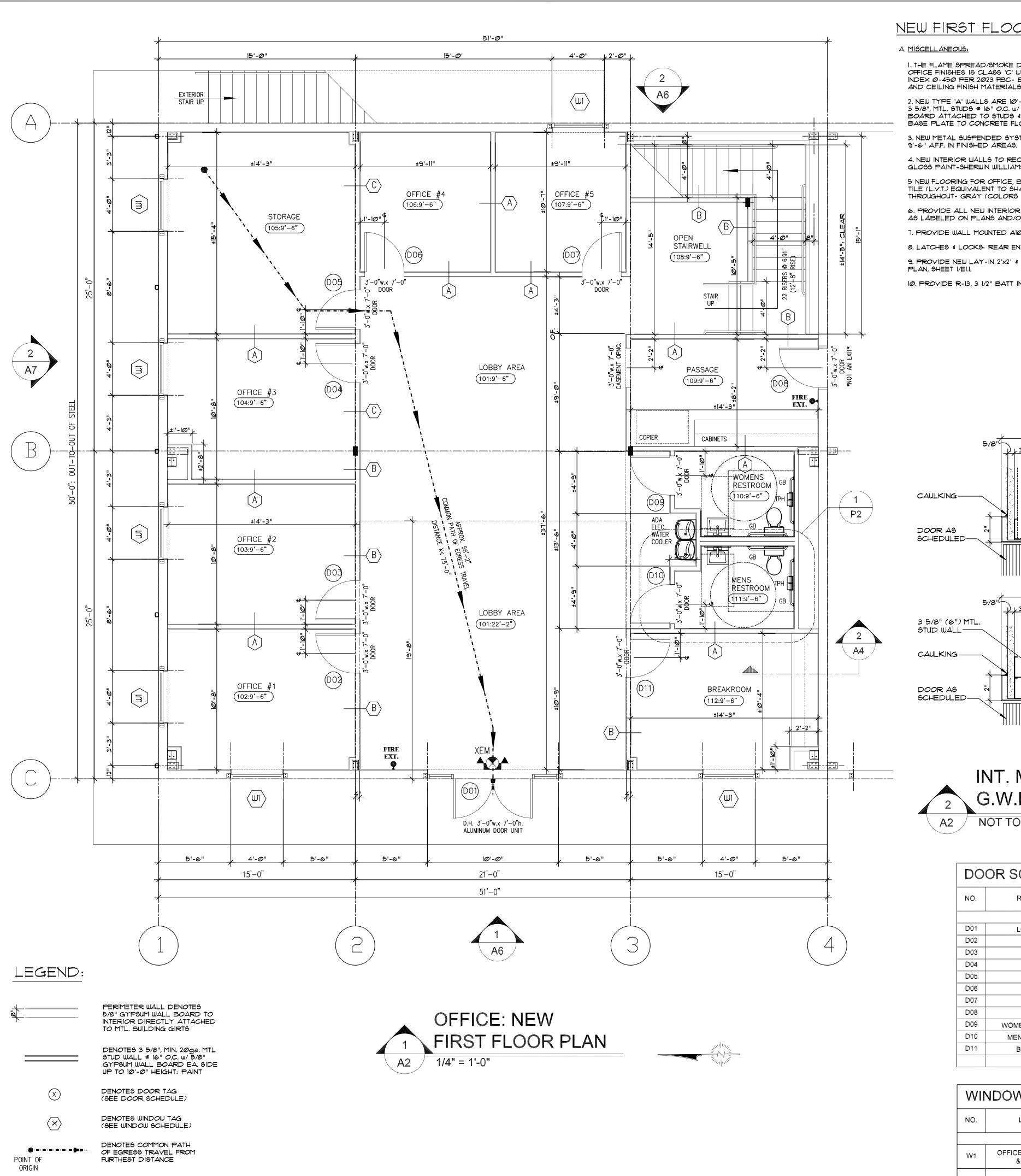
RELEASE FOR PERMIT

COVERSHEET, BUILDING DATA, CODE SUMMARY, VICINITY & LOCATION MAPS



TROY ANTHONY STENCEL FLORIDA ARCHITECT #AR99221 SUBMITTAL PHASE DATE DRAWN CHECK PERMIT 26 Jun TAS TAS REVISIONS REMARK\$

AW24021



NEW FIRST FLOOR PLAN GENERAL NOTES:

A. MISCELLANEOUS:

1. THE FLAME SPREAD/SMOKE DEVELOPED INDEX CLASSIFICATION REQUIRED FOR INTERIOR OFFICE FINISHES IS CLASS 'C' WITH A FLAME SPREAD INDEX 76-200 & SMOKE DEVELOPED INDEX 0-450 PER 2023 FBC- BUILDING (8th EDITION), SECTION 803.11- INTERIOR WALL AND CEILING FINISH MATERIALS.

2. NEW TYPE 'A' WALLS ARE 10'-0"h., NON-LOAD BEARING INTERIOR FRAMED WALLS TO BE 3 5/8", MTL. STUDS @ 16" O.C. W/ 5/8" THK. LAYER GYPSUM BD. EACH SIDE- PAINT. GYPSUM BOARD ATTACHED TO STUDS & P.T. BASE PLATE W/ TYPE 'S', PAN HEAD SCREWS. SECURE BASE PLATE TO CONCRETE FLOOR @ 24" O.C. WITH "RAMSET", 3/4" TRAKFAST PINS (19MM).

3. NEW METAL SUSPENDED SYSTEM GRID WITH ACOUSTICAL CEILING TILE THROUGHOUT AT

4. NEW INTERIOR WALLS TO RECEIVE ONE(1) PRIMER AND TWO (2) FINISH COATS OF SEMI-GLOSS PAINT-SHERWIN WILLIAMS: ALABASTER WHITE, OR AS SELECTED BY OWNER...

5 NEW FLOORING FOR OFFICE, BREAKROOM, OPEN AREA & RESTROOM TO BE LUXURY VINYL TILE (L.V.T.) EQUIVALENT TO SHAW MATRIX-SEA SALT HICKORY. 4" VINYL COVE BASE THROUGHOUT- GRAY (COLORS AS SELECTED BY OWNER)

6. PROVIDE ALL NEW INTERIOR DOOR UNITS & HARDWARE. ALL NEW INTERIOR DOOR SIZES AS LABELED ON PLANS AND/OR DOOR SCHEDULE.

J. PROVIDE WALL MOUNTED AIØBC FIRE EXTINGUISHERS AS LOCATED ON NEW FLOOR PLAN. 8. LATCHES & LOCKS: REAR ENTRY DR. UNIT TO BE INSTALLED WITH PANIC HARDWARE & CLOSER. 9. PROVIDE NEW LAY-IN 2'x2' \$ 2'x 4' LED LIGHT FIXTURES- SEE NEW CEILING LAYOUT \$ LIGHTING

10. PROVIDE R-13, 3 1/2" BATT INSULATION IN ALL FRAMED INTERIOR METAL STUD WALLS.

-1/25/8" GYPSUM BD. EA. SIDE: PAINT

-CAULKING

_HOLLOW METAL

DOOR FRAME

_3 5/8" (6") MTL.

5/8" GYPSUM BD. EA. SIDE: PAINT

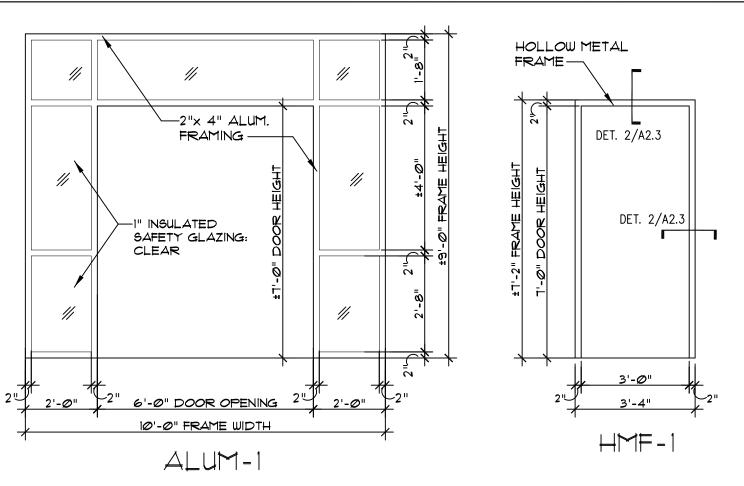
HOLLOW METAL DOOR FRAME

STUD WALL

- CAULKING

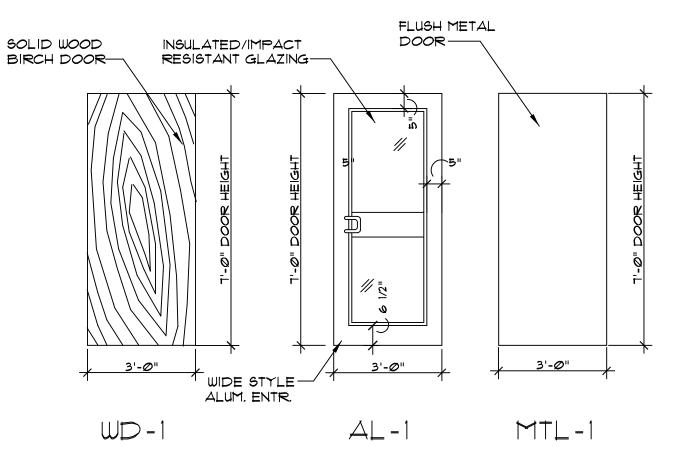
<u>JAMB</u>

13 5/8" (6") 1(j

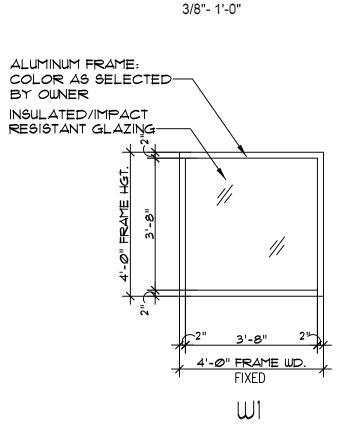


DOOR FRAME TYPES

3/8"- 1'-0"



DOOR ELEVATIONS



INT. MTL. STUD & G.W.B. DOOR DETAIL A2 NOT TO SCALE

EXTERIOR WINDOW TYPES 3/8"- 1'-0"

NO.	ROOMNAME		TY	PE		MATE	RIAL	THICK-		DETAIL		FINI	SH	LABEL	HDWE.	REMARKS
NO.	ROOMNAME	DOOR	FRM	Н	W	DOOR	FRM	NESS	SILL	JAMB	HEAD	DOOR	FRM	LADEL	SET	REWARAS
D01	LOBBY AREA	AL-1	ALUM-1	7'-0"	3'-0"	ALUM.	ALUM.	1-3/4"	-	-	-	IOD.	IOD.	-	-	GLAZING ASSEMBLIES SHALL BE IMPACT RESISTANT AND INSULATE COMPRISED OF TWO PANES OF GLASS SEPARATED BY 1/2" AIR SPAC
D02	OFFICE #1	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A2	2/A2	VRN	PNT	-	MORTISE PRIVACY LOCKSET	DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER
D03	OFFICE #2	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A2	2/A2	VRN	PNT	-	MORTISE PRIVACY	DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER
D04	OFFICE #3	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A2	2/A2	VRN	PNT	-	MORTISE	DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR w/ GOOD OR
D05	STORAGE	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A2	2/A2	VRN	PNT	-	MORTISE F05	BETTER GRADE BIRCH VENEER DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR w/ GOOD OR BETTER GRADE BIRCH VENEER: PROVIDE CLOSER
D06	OFFICE #4	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A2	2/A2	VRN	PNT	-	MORTISE	DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER
D07	OFFICE #5	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A2	2/A2	VRN	PNT	-	MORTISE PRIVACY	DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER
D08	PASSAGE	MTL-1	HMF-1	7'-0"	3'-0"	STEEL	STEEL	1-3/4"	-			PNT	PNT	-	MORTISE F05	DOOR SHALL BE FLUSH METAL FIRE RATED DOOR: 90 MIN. FIRE- RATING: PROVIDE CLOSER
D09	WOMEN'S RESTROOM	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A2	2/A2	VRN	PNT	-	MORTISE F05	DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER: PROVIDE CLOSER
D10	MEN'S RESTROOM	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	_	2/A2	2/A2	VRN	PNT	-	MORTISE E05	DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR
D11	BREAKROOM		HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	_	2/A2	2/A2	VRN	PNT	_	MORTISE PRIVACY	BETTER GRADE BIRCH VENEER: PROVIDE CLOSER DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER

NIIW	NDOW SCHEDU	JLE									
NO.	LOCATION		TYPI	E		MATERIAL		DETAIL		FINISH	DEMARKS
NO.	LOCATION	WIN	FRM	W	Н	FRAME	SILL	JAMB	HEAD	FRAME	REMARKS
			•	'			•	1	'		
W1	OFFICES, BREAKROOM	WIN "A"	ALUM	4'-0"	4'-0"	ALUM.	-	-	-		GLAZING ASSEMBLIES SHALL BE IMPACT RESISTANT AND INSULATED- COMPRISED OF TWO PANES OF GLASS SEPARATED BY 1/2" AIR SPACE: THE EXTERIOR PANE SHALL BE 1/4" TINTED TEMPERED W/ A LOW-EMISSIVITY
V V I	& STORAGE										COATING ON THE NO. 2 SURFACE. THE INTERIOR PANE SHALL BE CLEAR, LAMINATED VISION GLASS. WINDOW SILL: SOLID SURFACE- WHITE (BOD: DURAT 100, FORMICA LUNA BRIGHT WHITE 408 OR CORIAN SPARKLING WHITE)

RCWORKS

ARCWORKS, I architecture / interiors

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TROY ANTHONY STENCEL

FLORIDA ARCHITECT #AR99221

SIMQUE CONSTRUCTION, I

C.A. BOONE CONSTOPPINE BUILDING

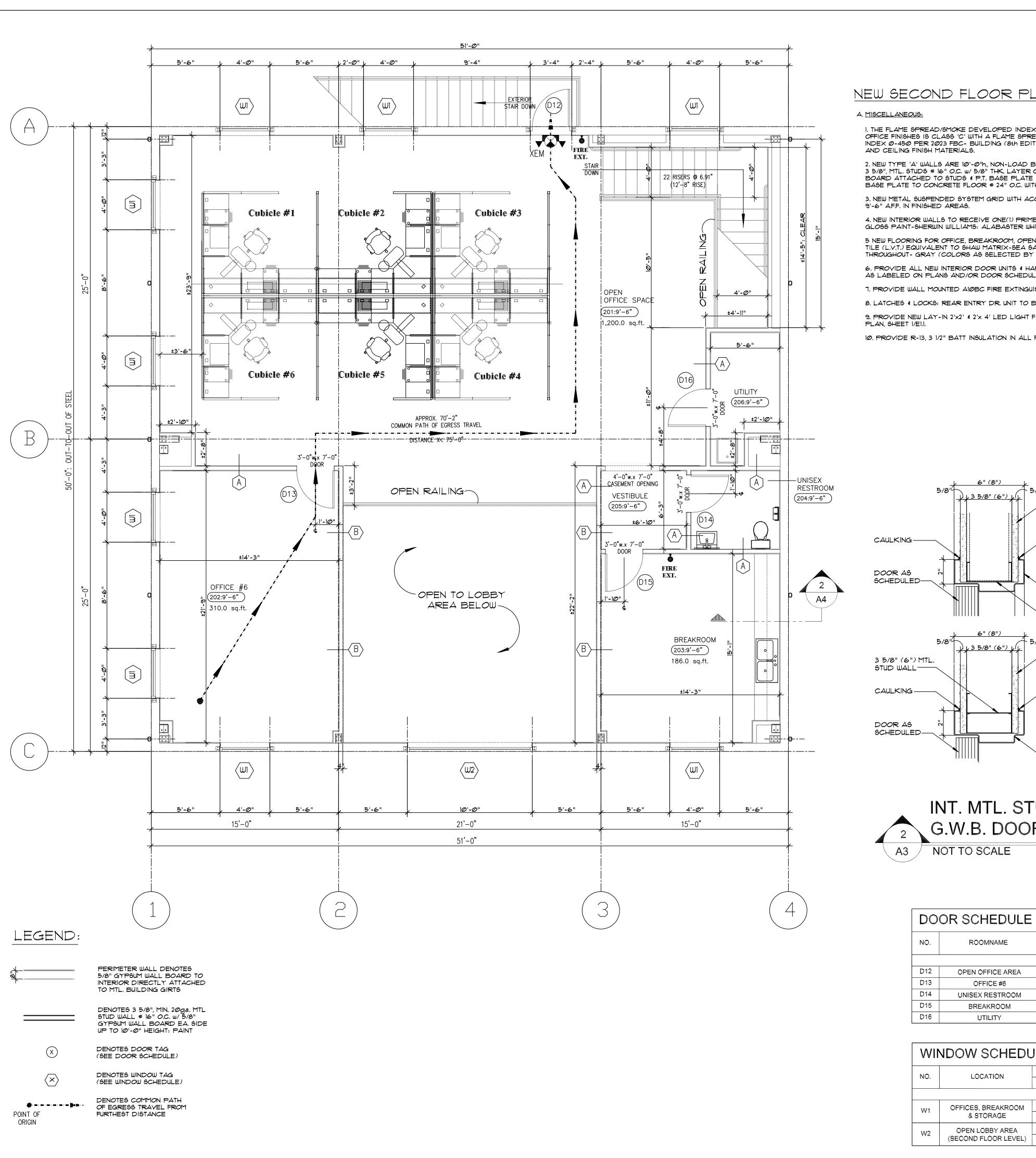
SUBMITTAL

PHASE DATE DRAWN CHECK PERMIT 26 Jun TAS TAS REVISIONS # DATE **REMARKS** PROJECT NUMBER

AW24021

PHASE RELEASE FOR PERMIT SHEET TITLE

> NEW OFFICE FIRST FLOOR PLAN, DOOR & WINDOW SCHEDULES & NOTES



NEW SECOND FLOOR PLAN GENERAL NOTES:

I. THE FLAME SPREAD/SMOKE DEVELOPED INDEX CLASSIFICATION REQUIRED FOR INTERIOR OFFICE FINISHES IS CLASS 'C' WITH A FLAME SPREAD INDEX 76-200 & SMOKE DEVELOPED INDEX 0-450 PER 2023 FBC- BUILDING (8th EDITION), SECTION 803.11- INTERIOR WALL AND CEILING FINISH MATERIALS.

2. NEW TYPE 'A' WALLS ARE 10'-0"h., NON-LOAD BEARING INTERIOR FRAMED WALLS TO BE 3 5/8", MTL. STUDS @ 16" O.C. w/ 5/8" THK. LAYER GYPSUM BD. EACH SIDE- PAINT. GYPSUM BOARD ATTACHED TO STUDS & P.T. BASE PLATE W/ TYPE 'S', PAN HEAD SCREWS. SECURE BASE PLATE TO CONCRETE FLOOR @ 24" O.C. WITH "RAMSET", 3/4" TRAKFAST PINS (19MM).

3. NEW METAL SUSPENDED SYSTEM GRID WITH ACOUSTICAL CEILING TILE THROUGHOUT AT 9'-6" A.F.F. IN FINISHED AREAS.

4. NEW INTERIOR WALLS TO RECEIVE ONE(1) PRIMER AND TWO (2) FINISH COATS OF SEMI-GLOSS PAINT-SHERWIN WILLIAMS: ALABASTER WHITE, OR AS SELECTED BY OWNER...

5 NEW FLOORING FOR OFFICE, BREAKROOM, OPEN AREA & RESTROOM TO BE LUXURY VINYL TILE (L.Y.T.) EQUIVALENT TO SHAW MATRIX-SEA SALT HICKORY. 4" VINYL COVE BASE THROUGHOUT- GRAY (COLORS AS SELECTED BY OWNER)

6. PROVIDE ALL NEW INTERIOR DOOR UNITS & HARDWARE. ALL NEW INTERIOR DOOR SIZES AS LABELED ON PLANS AND/OR DOOR SCHEDULE.

7. PROVIDE WALL MOUNTED AIRBE FIRE EXTINGUISHERS AS LOCATED ON NEW FLOOR PLAN. 8. LATCHES & LOCKS: REAR ENTRY DR. UNIT TO BE INSTALLED WITH PANIC HARDWARE & CLOSER. 9. PROVIDE NEW LAY-IN 2'x2' \$ 2'x 4' LED LIGHT FIXTURES- SEE NEW CEILING LAYOUT \$ LIGHTING

-1/25/8" GYPSUM BD.

EA. SIDE: PAINT

_HOLLOW METAL

DOOR FRAME

__3 5/8" (6") MTL.

-5/8" GYPSUM BD.

EA. SIDE: PAINT

HOLLOW METAL

WD-1 | HMF-1 | 7'-0" | 3'-0" | WOOD | STEEL | 1-3/4"

WD-1 HMF-1 7'-0" 3'-0" WOOD STEEL 1-3/4"

| WD-1 | HMF-1 | 7'-0" | 3'-0" | WOOD | STEEL | 1-3/4"

DOOR FRAME

STUD WALL

- CAULKING

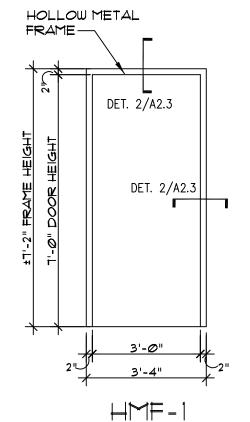
<u>JAMB</u>

-CAULKING

10. PROVIDE R-13, 3 1/2" BATT INSULATION IN ALL FRAMED INTERIOR METAL STUD WALLS.

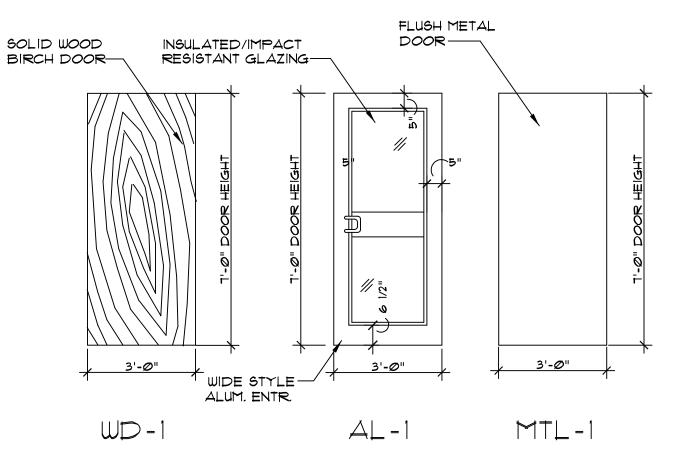
1 / 3 5/8" (6") / (/

ر) بر (6") 8/8" (6")

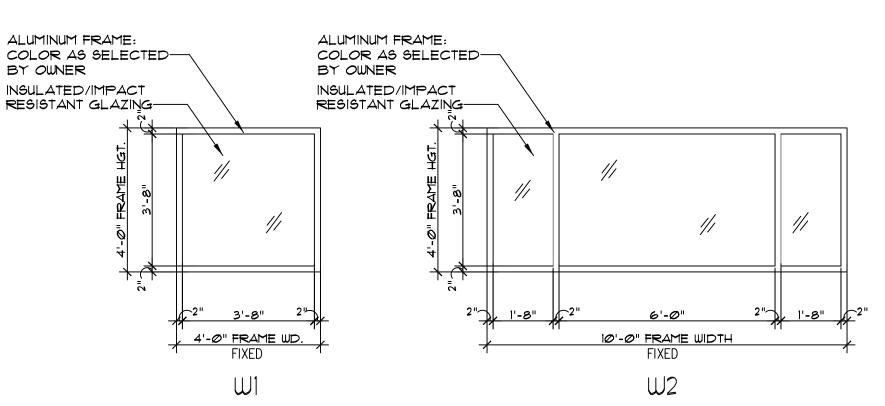


DOOR FRAME TYPES

3/8"- 1'-0"



DOOR ELEVATIONS 3/8"- 1'-0"



CKSET | BETTER GRADE BIRCH VENEER

PRISE | DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR

KSET BETTER GRADE BIRCH VENEER

EXTERIOR WINDOW TYPES 3/8"- 1'-0"

•	INT. MTL. STUD &
2	G.W.B. DOOR DETAIL
A3	NOT TO SCALE

UNISEX RESTROOM

BREAKROOM

UTILITY

טט	OR SCHEDULE															
NO.	ROOMNAME		TY	PE		MATE	ERIAL	THICK-		DETAIL	•	FIN	ISH	LABEL	HDWE.	REMARKS
110.	NOOMINAME	DOOR	FRM	Н	W	DOOR	FRM	NESS	SILL	JAMB	HEAD	DOOR	FRM	LABLE	SET	I LIVIAN (CO
D12	OPEN OFFICE AREA	AL-1	ALUM-1	7'-0"	3'-0"	ALUM.	ALUM.	1-3/4"	-	-	-	IOD.	IOD.	-	-	GLAZING ASSEMBLIES SHALL BE IMPACT RESISTANT AND INSULAT COMPRISED OF TWO PANES OF GLASS SEPARATED BY 1/2" AIR SP.
D13	OFFICE #6	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A3	2/A3	VRN	PNT	-	I PRIVACY	DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR

2/A3 | 2/A3 | VRN | PNT

2/A3 | 2/A3 | VRN | PNT

2/A3 | 2/A3 | VRN | PNT |

	LOCATION		TYP	E		MATERIAL		DETAIL	-	FINISH	DEMARKS
NO.	LOCATION	WIN	FRM	W	Н	FRAME	SILL	JAMB	HEAD	FRAME	REMARKS
	OFFICES, BREAKROOM	WIN "A"	ALUM	4'-0"	4'-0"	ALUM.	-	-	-	100	GLAZING ASSEMBLIES SHALL BE IMPACT RESISTANT AND INSULATED- COMPRISED OF TWO PANES OF GLASS SEPARATED BY 1/2" AIR SPACE: THE EXTERIOR PANE SHALL BE 1/4" TINTED TEMPERED W/ A LOW-EMISSIVITY
1014											
W1	& STORAGE									IOD.	COATING ON THE NO. 2 SURFACE. THE INTERIOR PANE SHALL BE CLEAR, LAMINATED VISION GLASS. WINDOW S SOLID SURFACE- WHITE (BOD: DURAT 100, FORMICA LUNA BRIGHT WHITE 408 OR CORIAN SPARKLING WHITE)
W1 W2		WIN "B"	ALUM	10'-0"	4'-0"	ALUM.	-	-	-	IOD.	

RCWORKS

ARCWORKS, I architecture / interiors

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TROY ANTHONY STENCEL

FLORIDA ARCHITECT #AR99221

SIMQUE CONSTRUCTION, I

SUBMITTAL

PHASE | DATE | DRAWN | CHECK PERMIT 26 Jun TAS TAS REVISIONS # DATE **REMARKS** PROJECT NUMBER AW24021

PHASE RELEASE FOR PERMIT SHEET TITLE

NEW OFFICE SECOND FLOOR PLAN, DOOR, WINDOW & FINISH SCHEDULES & NOTES

	ROOM NAME	FLOOR	BASE	WALLS	CEILING		DEMARKS
	IXOOW NAME	MATERIAL	MATERIAL	MATERIAL	MATERIAL	HGT.	REMARKS
00	STORAGE/ WORKSHOP	SEALED CONCRETE FLOOR SLAB (Water-based sealer)		EXPOSED METAL BUILDING FRAME & GIRTS (EXTERIOR METAL WALL PANEL)	n/a	OPEN	
01	OFFICE LOBBY AREA	LUXURY VINYL TILÉ (As selected by owner) LUXURY VINYL TILE	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	22'-2"/ 9'-6"	
02	OFFICE #1	LUXURY VINYL TILE (As selected by owner) LUXURY VINYL TILE	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
03	OFFICE #2	(As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
04	OFFICE #3	LUXURY VINYL TILE (As selected by owner) LUXURY VINYL TILE	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
05	STORAGE	LUXURY VINYL TILE (As selected by owner) LUXURY VINYL TILE	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
06	OFFICE #4	LUXURY VINYL TILE (As selected by owner) LUXURY VINYL TILE	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
07	OFFICE #5	(As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
08	STAIRWELL	LUXURY VINYL TILE (As selected by owner) LUXURY VINYL TILE	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
09	PASSAGE	(As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
10	WOMEN'S RESTROOM	LUXURY VINYL TILE (As selected by owner) LUXURY VINYL TILE	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted/Tile on wet walls)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	 Provide blocking in walls for plumbing fixtures & toilet accessories Soundproof, NC 40.
11	MEN'S RESTROOM	(As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted/Tile on wet walls)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	 Provide blocking in walls for plumbing fixtures & toilet accessories Soundproof, NC 40.
12	BREAKROOM	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	

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HARDWOOD CLEATS FASTENED TO WALL

3/4" HARDWOOD PLYWOOD DOOR-

3/4" HARDWOOD

ADJUSTABLE-

3/4" HARDWD.

SOLID SURFACE

COUNTERTOP:

HARDWD. PLYWD.

BOTTOM.-SET ALL

DRAWERS ON MTL.

GUIDES AS SPECIFIED

3/4" FIXED HARDWD. PLYWOOD SHELF w/ HARDWOOD EDGE-

3/4" HARDWOOD

PLYWOOD DOOR-

PORCELAIN

TILE BASE-

DRAWER EXTEN.

(BOD-WILSONART

ZEN GREY 9115G OR

FORMICA 415 LUNA STEEL)

PLYWOOD BOTTOM-

HARDWD.

BREAKROOM

NOT TO SCALE

PLYWOOD

BACKING-

-3/4" HARDWD.

PLYWOOD

BLOCKING

BOTTOM -2"x 4" WD.

SHELVING:

(PROVIDE BLOCKING)-

	ROOM NAME	FLOOR	BASE	WALLS	CEILING		DEMARKO
	TOOM NAME	MATERIAL	MATERIAL	MATERIAL	MATERIAL	HGT.	REMARKS
						1	
201	OPEN OFFICE AREA	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
202	OFFICE #6	(As selected by owner) LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
203	BREAKROOM	(As selected by owner) LUXURY VINYL TILE (As selected by owner) LUXURY VINYL TILE	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
204	UNISEX RESTROOM	LUXURY VINYL TILE (As selected by owner) LUXURY VINYL TILE	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted/Tile on wet walls)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	- Provide blocking in walls for plumbing fixtures & toilet accessories - Soundproof, NC 40.
205	VESTIBULE		4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	
206	UTILITY	(As selected by owner) LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2'x 2' ACOUSTICAL CEILING TILE	9'-6"	

GENERAL CASEWORK NOTES:

IN ACCORDANCE WITH ARCHITECTURAL WOODWORK INSTITUTE (AWI) QUALITY STANDARDS "AWI CUSTOM GRADE" WITH PLASTIC LAMINATE FINISH UNLESS NOTED OTHERWISE, CONFORM TO THE TOLERANCES ALLOWED IN THE AWI

3. WALL AND BASE CABINETS SHALL BE OF THE SAME CONSTRUCTION AND APPEARANCE WITH SOLID ENDS AND FRAME FRONTS, OR WITH FRAMES ALL AROUND, FRAMES SHALL BE NOT LESS THAN 3/4-INCH BY 1-1/2-INCHES HARDWOOD. ALL ENDS, BOTTOMS, BACKS, AND PARTITIONS SHALL BE HARDWD. PLYWOOD, ALL DRAWERS WILL INCLUDE SOLID WOOD RAILS AND PLYWOOD BOTTOMS. INTERIOR OF DRAWERS CAN BE LAMINATE OR NATURAL FINISH. CABINET DOORS AND DRAWER FRONTS SHALL HAVE HARDWOOD PLYWOOD CORES. DOVETAIL CONSTRUCTION SHOULD BE USED ON ALL CORNERS. EDGES OF EXPOSED PLYWOOD SHALL BE FINISHED.

HARDWARE FOR ALL CABINETS. CATCH. D. PROVIDE HEAVY-DUTY MAGNETIC LATCH AND DOOR AND DRAWER

100% SOLID ACRYLIC SURFACE MATERIAL AT ALL WET AREAS INCLUDING RESTROOMS AND BREAKROOM AREAS WITH SINKS.

A. MISCELLANEOUS:

1. SEE FINISH SCHEDULE REQUIREMENTS FOR EACH OF THE INTERIOR ROOMS

2. MATERIALS AND CONSTRUCTION OF CABINETS AND COUNTERTOPS SHALL BE REFERENCED STANDARD. PROVIDE FLUSH OVERLAY CASEWORK. MELAMINE IS NOT ALLOWED.

4. HARDWARE: PROVIDE CABINET HARDWARE INCLUDING MINIMUM TWO SELF-CLOSING HINGES FOR EACH DOOR AND TWO SIDE-MOUNTED METAL DRAWER SLIDES FOR EACH DRAWER AND PULLS FOR ALL DOORS AND DRAWERS AS FOLLOWS. ALL CABINET HARDWARE EXPOSED TO VIEW SHALL BE ANSI/BHMA 156.9, GRADE 1, AND COMPLY WITH THE FOLLOWING REQUIREMENTS:

- A. CONCEALED EURO-STYLE, BACK MOUNTED HINGES WITH OPENING TO 165 DEGREES AND A SELF-CLOSING FEATURE AT LESS THAN 90-DEGREES.
- B. DRAWER SLIDES SHALL HAVE A STATIC RATING CAPACITY OF 100-POUNDS (444N), FULL EXTENSION, SELF-CLOSING. C. PROVIDE ADJUSTABLE SHELVING STANDARDS WITH SHELF SUPPORT

5. COUNTERTOPS SHALL BE AS INDICATED ON THE DRAWINGS AND WILL BE

GENERAL INTERIOR FINISH NOTES:

1. INTERIOR WALLS SHALL BE CONSTRUCTED USING 3 5/8" METAL STUDS AND 5/8" GYPSUM BOARD, OR AS INDICATED ON DRAWINGS. USE 20-GAUGE MINIMUM METAL STUDS. CONTRACTOR SHALL DETERMINE STUD GAGE AND SPACING REQUIRED TO ACHIEVE A MAXIMUM DEFLECTION OF L/240 BASED ON A UNIFORM LOAD OF 10 psf. MAXIMUM STUD SPACING SHALL BE 16" O.C.,

2. IN RESTROOM, GYPSUM WALLBOARD TO BE 5/8" TAPERED EDGE, GREEN BOARD'. INSTALLATION ON WALLS TO BE W/3/8" BEAD OF ADHESIVE AND SCREWS. SCREWS SHALL NOT BREAK THE FACE OF THE PAPER.

3. ON ALL WALL TYPES, GYPSUM WALLBOARD TO BE 5/8" TAPERED EDGE, TYPE 'X', TO TOP METAL STUD FRAMED WALL, INSTALLATION ON WALLS TO BE WITH 3/8" BEAD OF ADHESIVE AND SCREWS, SCREWS SHALL NOT BREAK THE FACE OF THE PAPER.

4. ALL DRYWALL SHALL CONFORM TO ASTM C36, C474, AND C475, AND SHALL BE INSTALLED ACCORDING TO ASTM C557, INSTALL DRYWALL ONLY AFTER WEATHER PROTECTION HAS BEEN APPROVED. INSTALLATION WILL BE IN ACCORDANCE WITH THE GYPSUM ASSOCIATION RECOMMENDED SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM BOARD.

5. ALL DRYWALL TO HAVE TWO-COAT TAPE AND SPACKLE PROCESS. FLEX TAPE SHALL BE USED WHERE NECESSARY.

6. ALL ELECTRICAL OPENINGS TO BE TRIMMED WITH CLOSE TOLERANCES TO OUTLET BOXES.

B. INTERIOR DOORS & FRAMES:

1. STANDARD INTERIOR DOORS SHALL BE FLUSH SOLID CORE WOOD DOORS WITH GOOD OR BETTER GRADE BIRCH VENEER. CONFORM TO NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWWDA) I.S.-IA. STILE EDGES SHALL BE NON-FINGER JOINTED HARDWOOD COMPATIBLE WITH FACE VENEER. PROVIDE AWI GRADE A HARDWOOD FACE VENEER FOR TRANSPARENT FINISHED

2. METAL DOOR FRAMES SHALL BE WELDED 16-GAUGE STEEL.

- 3. DOORS SHALL BE FIRE-RATED AS REQUIRED.
- 4. UNLESS OTHERWISE INDICATED ALL INTERIOR DOORS WILL BE 3-FOOT BY 1- FOOT FOR SINGLE DOORS.

5. INTERIOR DOOR HARDWARE:

- A. OFFICE DOORS: PROVIDE MORTISE CLASSROOM FØ5 FUNCTION LOCKSETS, HINGES, SILENCERS, AND MOP PLATES.
- B. RESTROOM DOORS: PROVIDE MORTISE PRIVACY LOCKSET, INDICATING OCCUPANCY, CLOSERS, HINGES, SILENCERS AND MOP PLATES.
- C. SERVICE AND UTILITY ROOM DOORS: PROVIDE MORTISE CLASSROOM FØ5 FUNCTION LOCKSET, CLOSERS AT FIRE RATED DOORS, HINGES, SILENCERS AND MOP PLATES.

C. <u>FLOORING:</u>

1. LUXURY VINYL TILE (LVT) FLOORING THROOGHTOUT, LUXURY VINYL TILE (LVT) FLOORING TO BE EQUAL TO SHAW MATRIX WITH ADVANCE FLEX TECHNOLOGY: COLOR- SEA SALT HICKORY (OR AS SELECTED BY OWNER, 6" WIDE \times 3-1/5 MM THICK- WATERPROOF INTERLOCKING LUXURY VINYL PLANK FLOORING.

2. BEFORE INSTALL LUXURY VINYL TILE FLOORING OVER CONCRETE SLAB, CONCRETE SLAB MUST NOT SHOW ANY SIGNS OF MOISTURE OR ALKALI. ALL CONCRETE SUBFLOORS SHOULD BE TESTED FOR MOISTURE CONTENT. TEST SEVERAL AREAS, ESPECIALLY NEAR EXT. WALLS AND WALLS CONTAINING PLUMBING, WHEN INSTALLING, USE A MOISTURE BARRIER SHEETING AS SPECIFIED OR RECOMMENDED BY THE MANUFACTURER.

3. SEALED CONCRETE FLOOR SLAB: CONFIRM WITH OWNER IF STORAGE/WAREHOUSEALL CONCRETE FLOOR SLAB IS TO BE SEALED WITH A WATER-BASED SEALER.

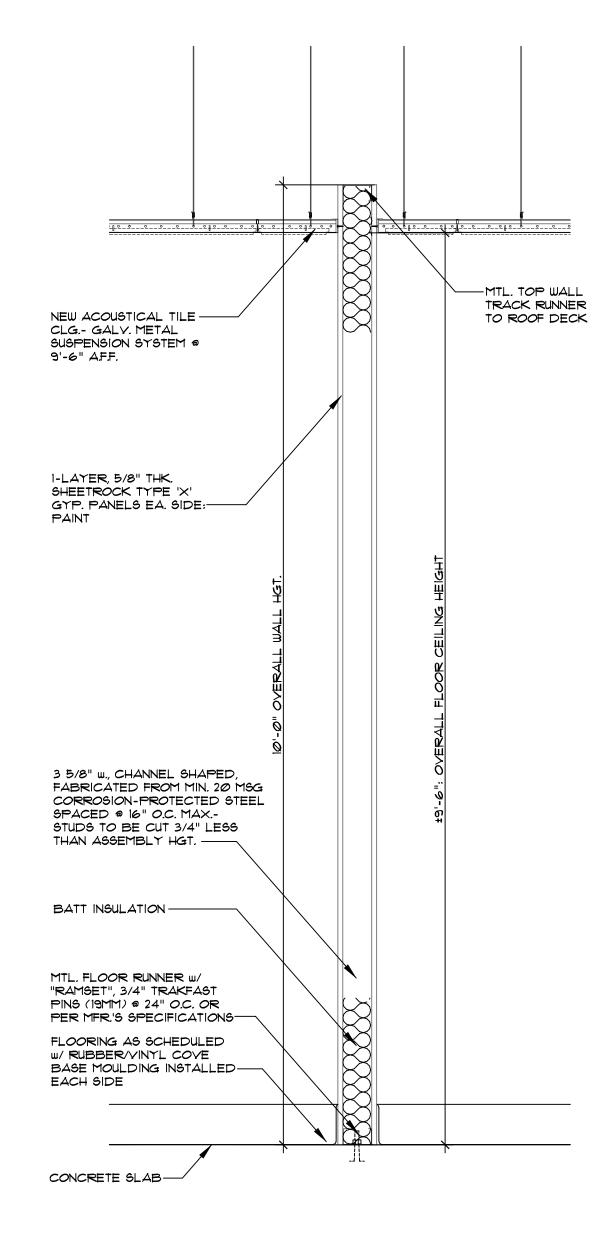
4. WALL BASE: PROVIDE COVED VINYL/RUBBER BASE, MINIMUM 4-INCH TALL AND 1/8-INCH THICK.

1. ALL PAINTING WILL BE DONE SO AS TO HAVE EVEN AND THOROUGH COVERAGE, CRISP EDGES, AND MINIMAL APPLICATOR MARKS.

2. DRYWALL TO RECEIVE ONE COAT LATEX PRIMER AND TWO COATS MINIMUM LATEX SEMI-GLOSS FINISH PAINT: SHERWIN WILLIAMS, COLOR: ALABASTER WHITE (OR AS SELECTED BY OWNER).

E. MISCELLANEOUS:

1. PROVIDE SOLID SURFACE WINDOW SILLS AT ALL WINDOW SILL LOCATIONS.



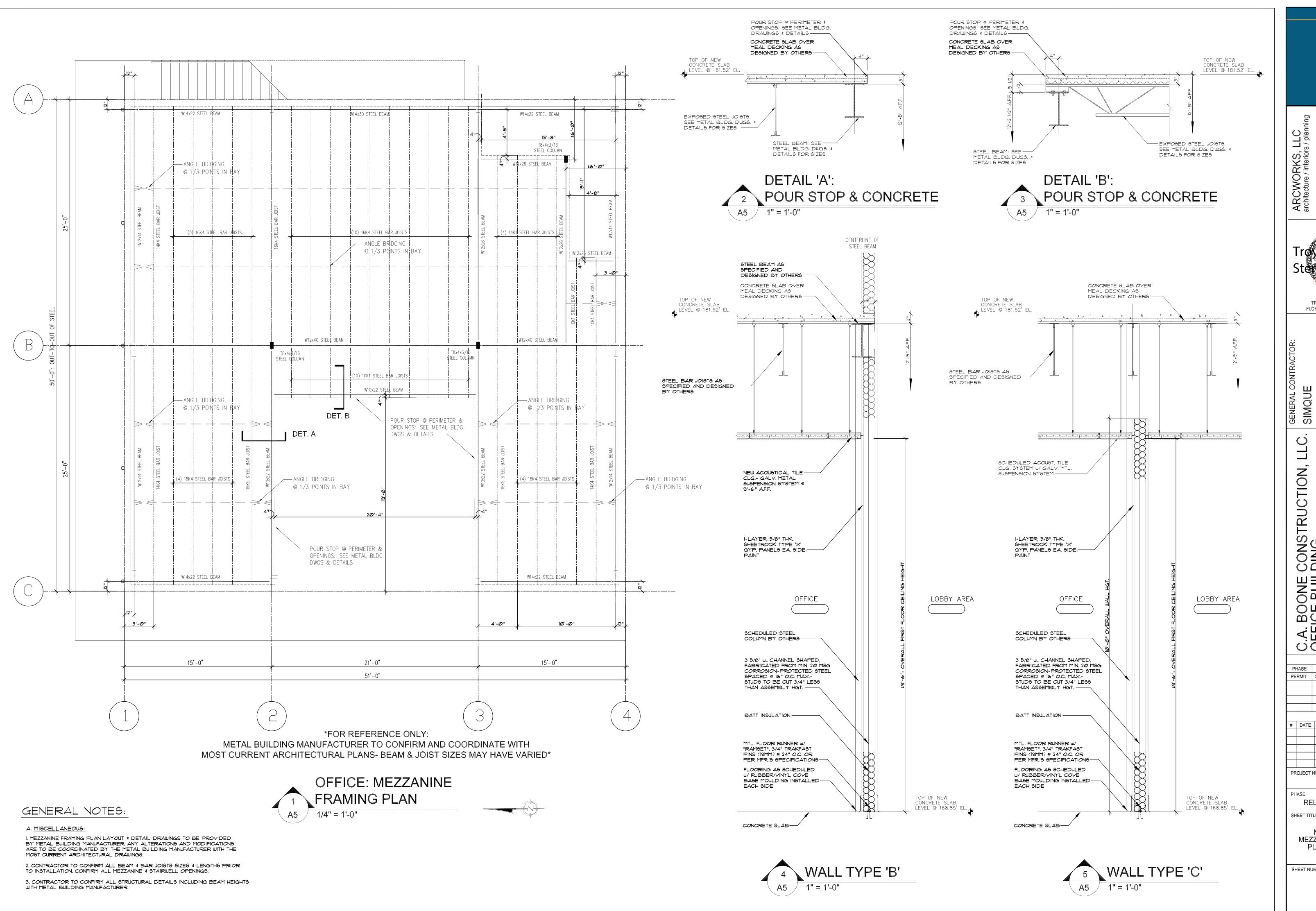




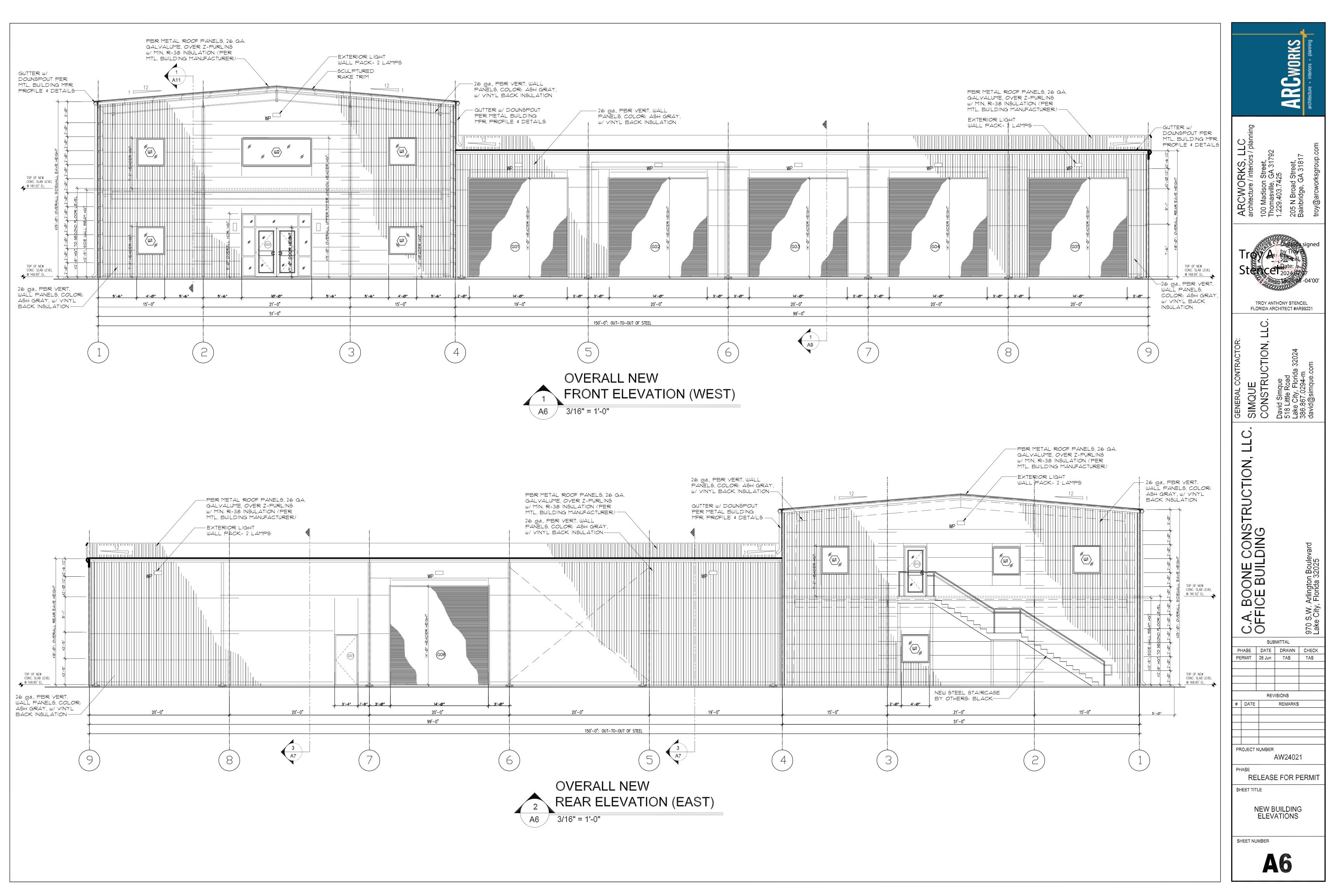
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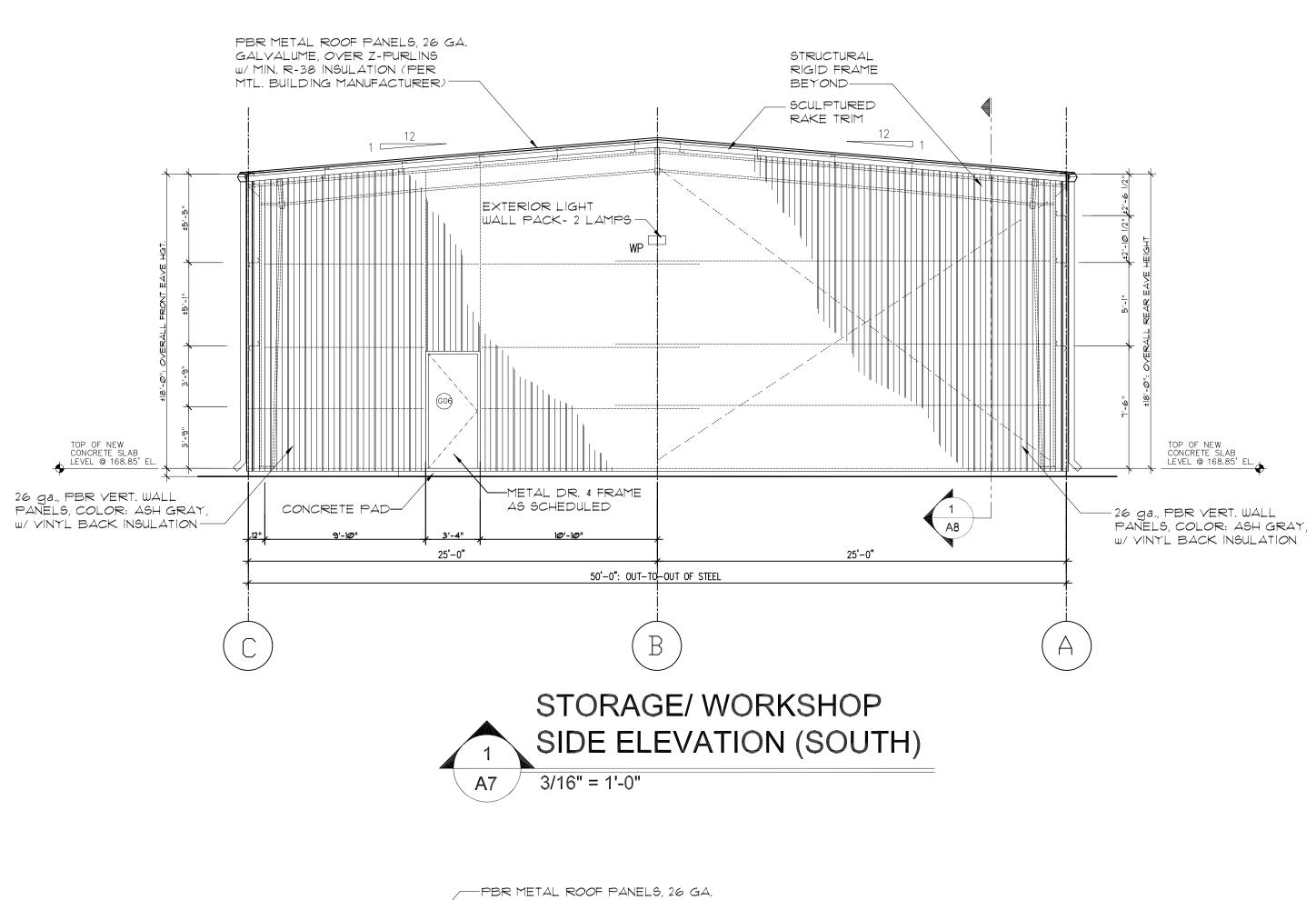
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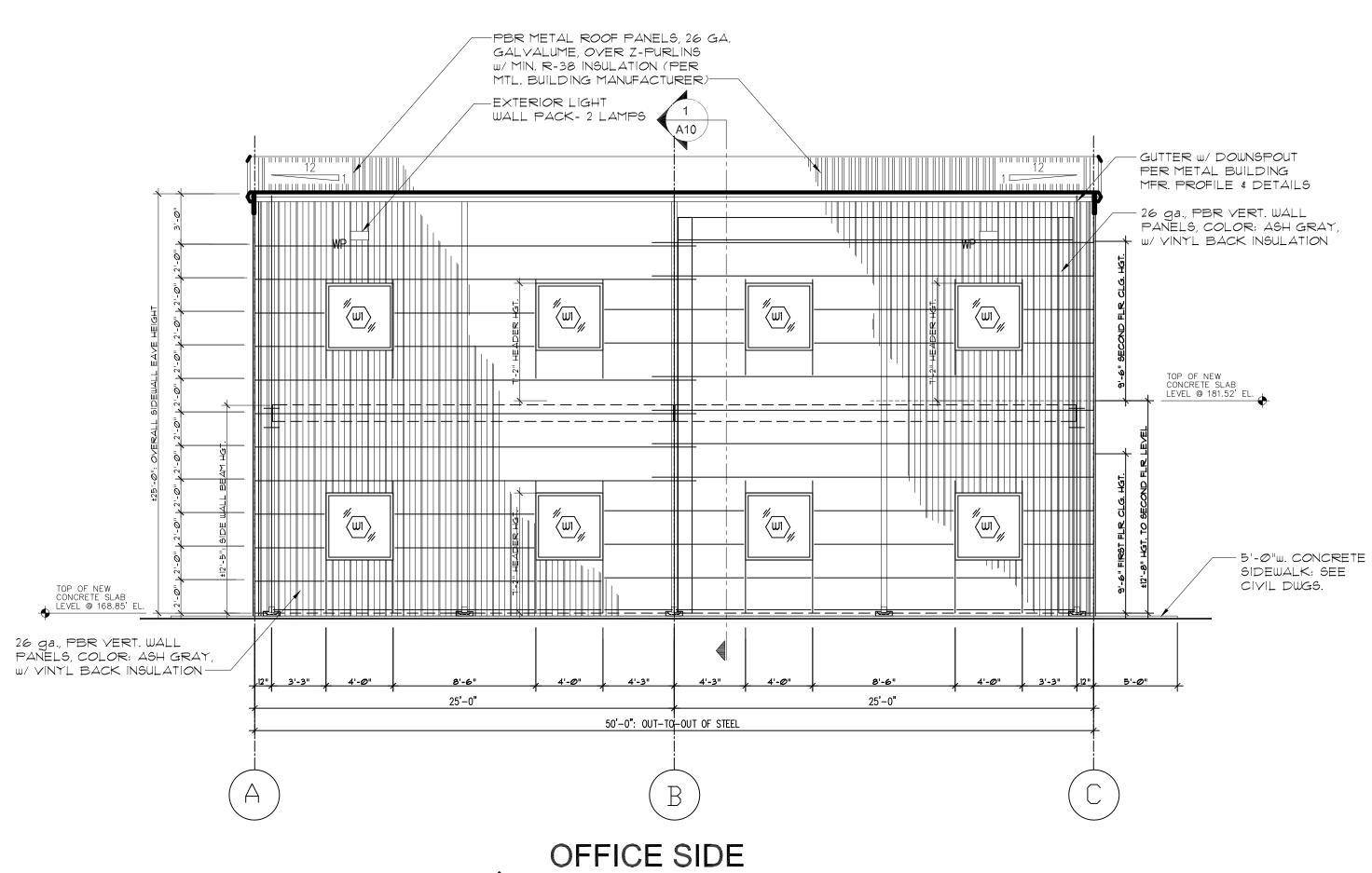
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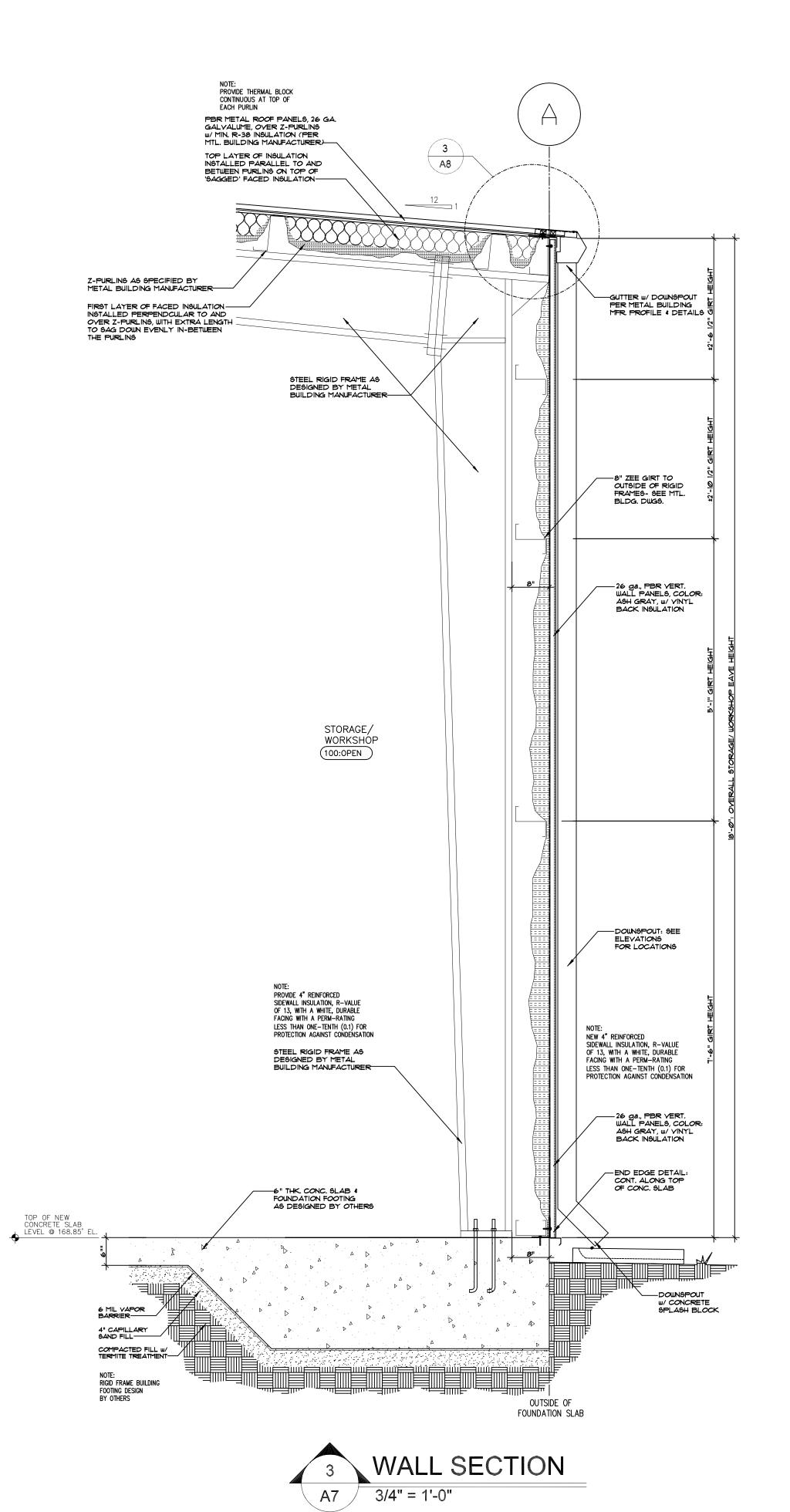
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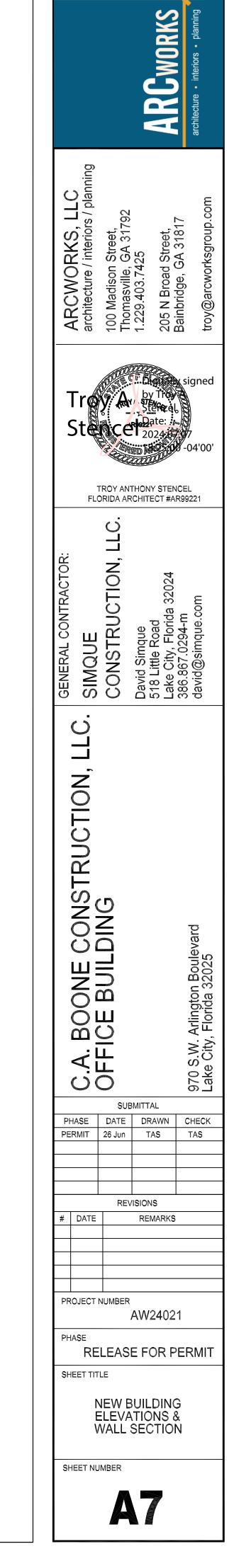


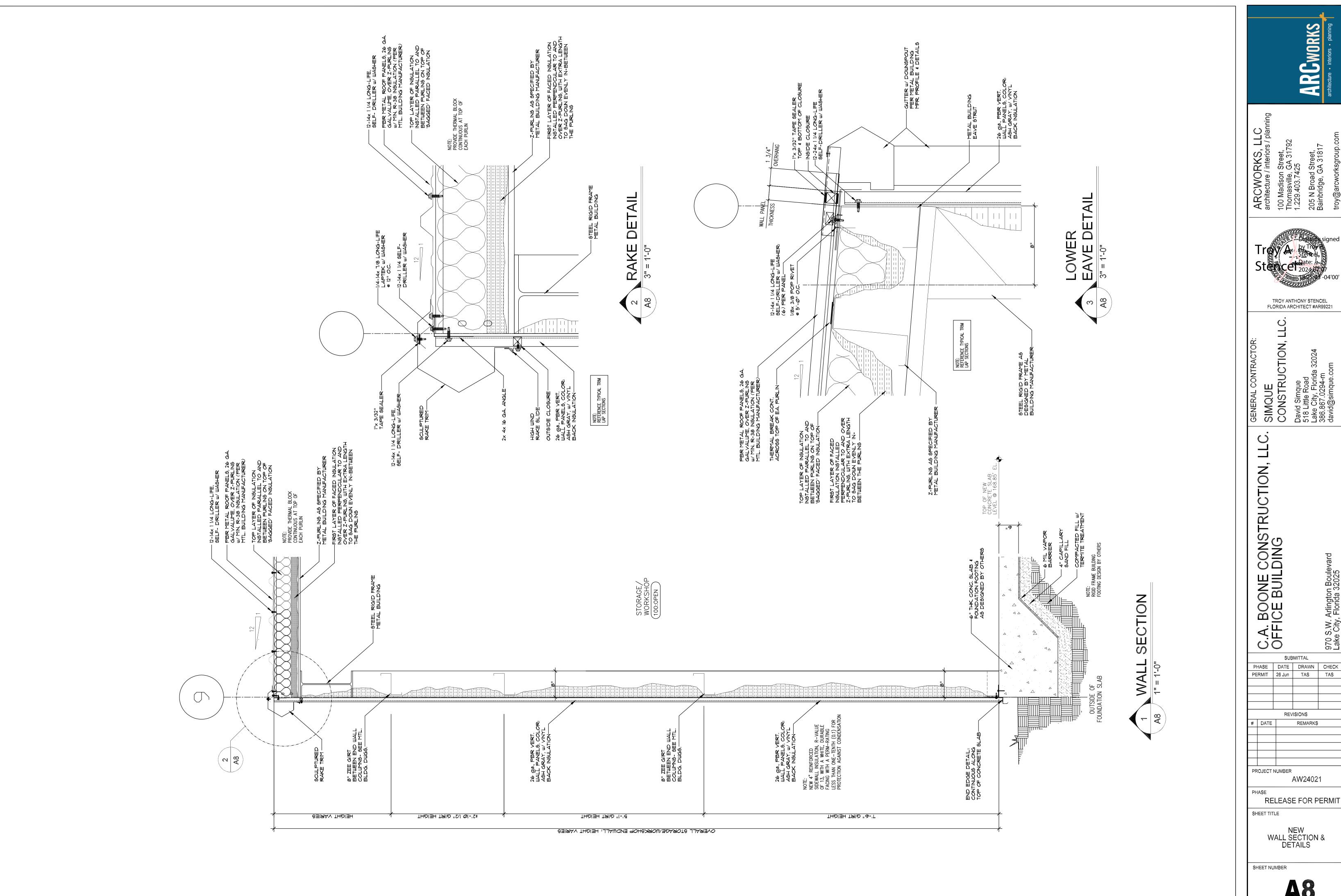


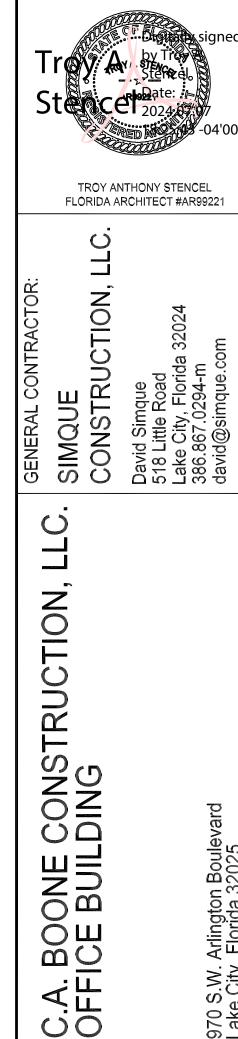


ELEVATION (NORTH)









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REVISIONS

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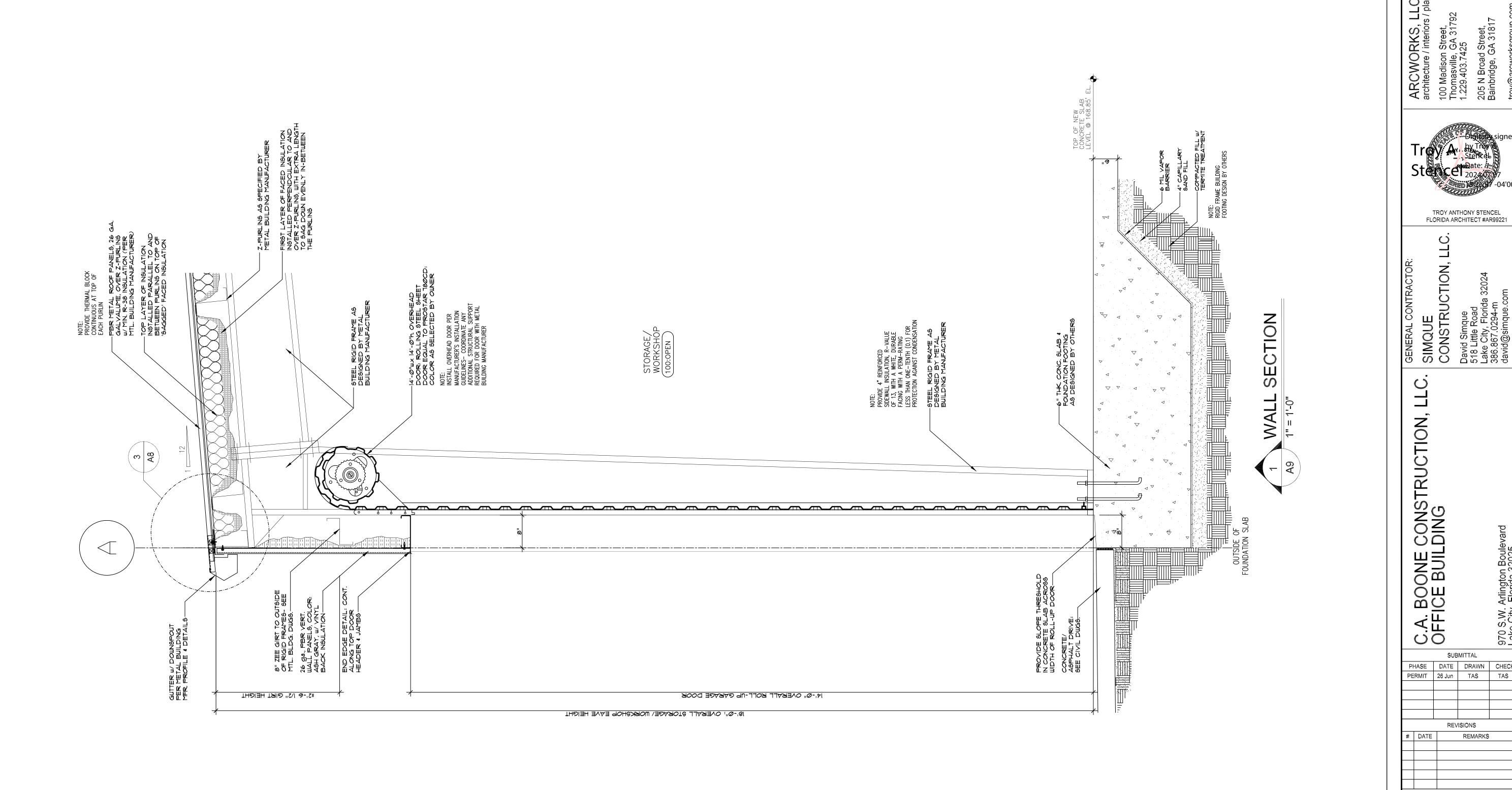
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architecture interiors planning

205 N Broad Street, Bainbridge, GA 31817



ARCWORKS, LLC architecture / interiors / planni 100 Madison Street, Thomasville, GA 31792 1.229.403.7425 205 N Broad Street, Bainbridge, GA 31817

TROY ANTHONY STENCEL FLORIDA ARCHITECT #AR99221

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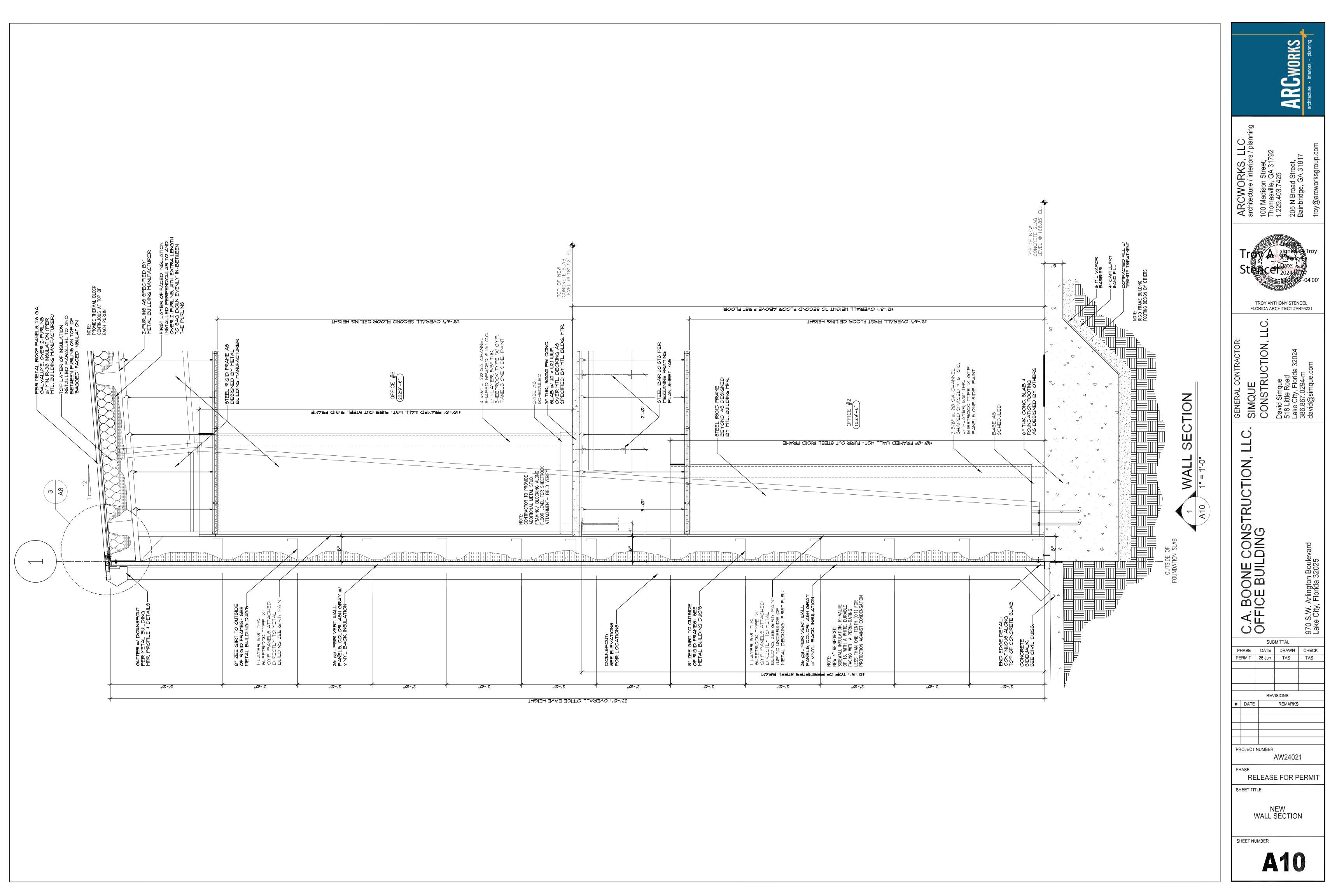
C.A. BOONE CONSTRUCTION, LLC. OFFICE BUILDING

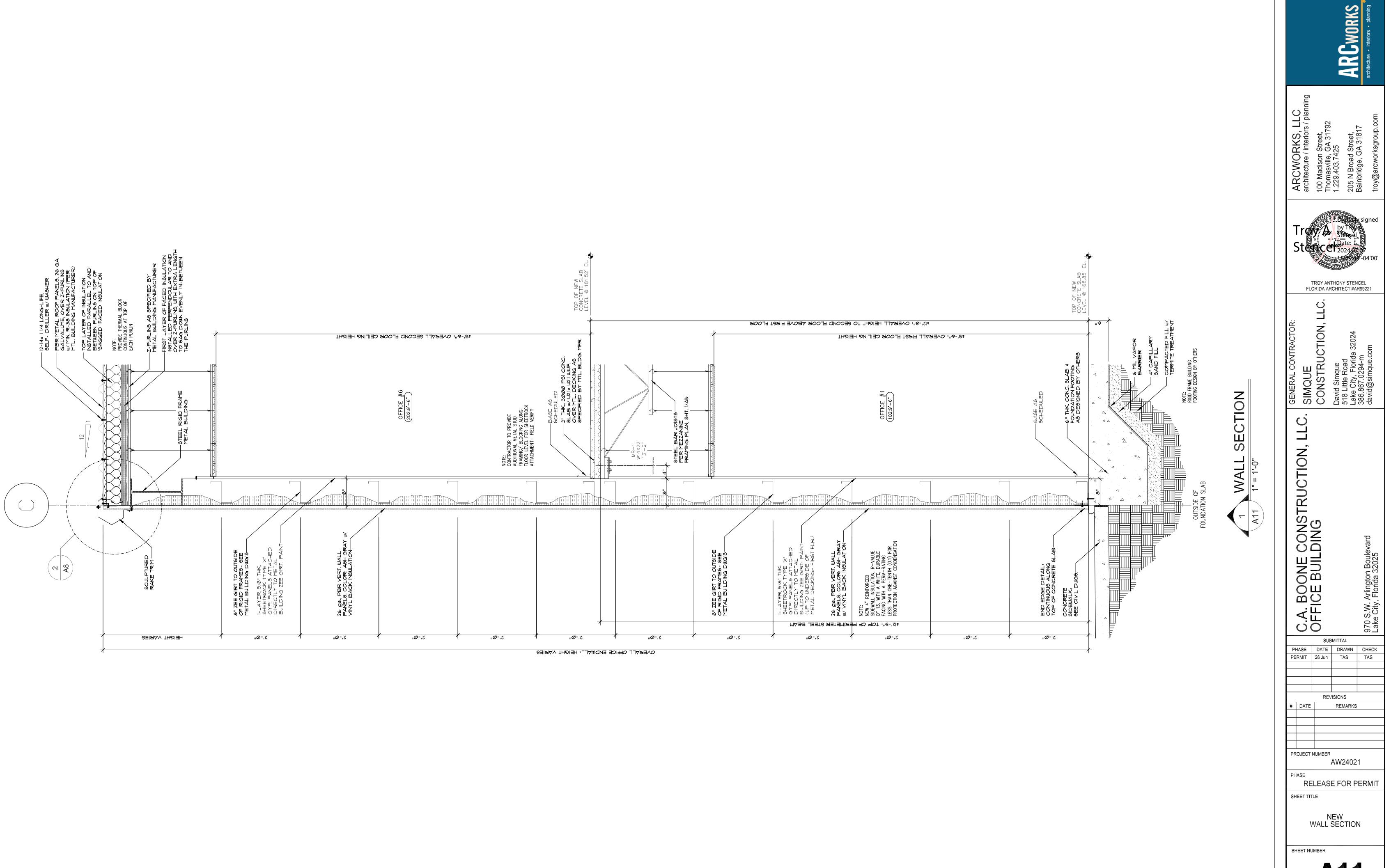
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PERMIT 26 Jun TAS TAS REVISIONS # DATE REMARK\$

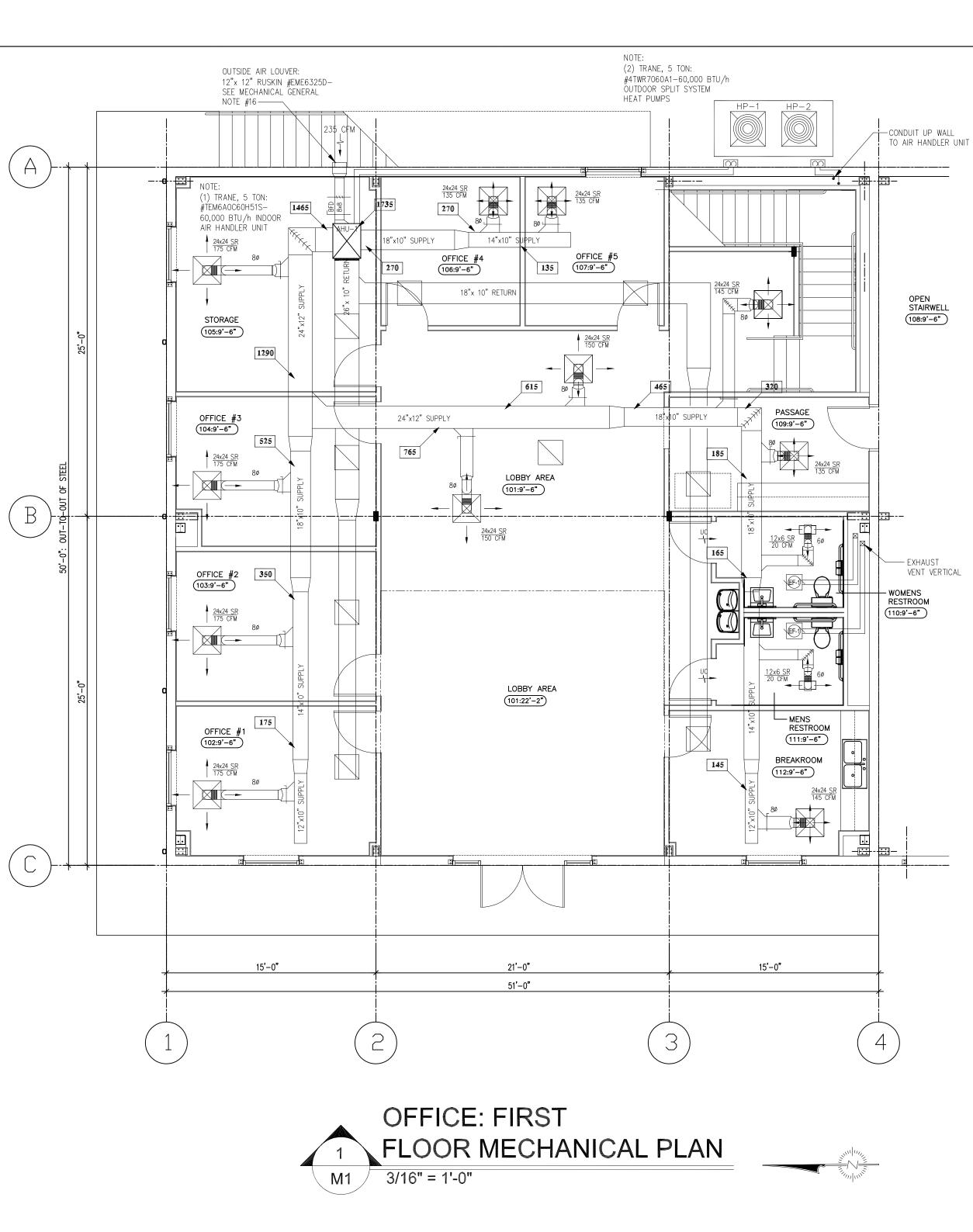
PROJECT NUMBER AW24021

RELEASE FOR PERMIT

SHEET TITLE NEW WALL SECTION







LEGEND:

NEW BATHROOM EXHAUST FAN

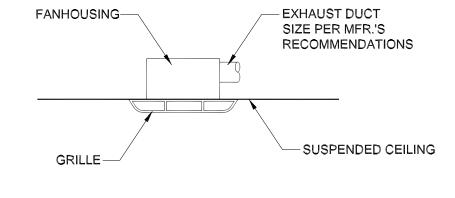
NEW THERMOSTAT

NEW 2'x 2' SUPPLY AIR DIFFUSER IN ACOUSTICAL CEILING

NEW 2'x 2' RETURN AIR DIFFUSER IN ACOUSTICAL CEILING NEW 2'x2' METAL SUSPENDED GRID AT 9'-6" AFF.









MECHANICAL GENERAL NOTES:

A. MISCELLANEOUS:

1. ZONE THE HYAC SYSTEMS TO PROVIDE MAXIMUM YEAR-ROUND COMFORT AND ADEQUATE FLEXIBILITY.

2. INCLUDE ALL REQUIRED FITTINGS, CONNECTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE AND USABLE SYSTEM. ALL CONDENSATE DRAIN PANS SHALL BE STAINLESS-STEEL.

3. ARRANGE THE HYAC EQUIPMENT TO FIT PROPERLY WITHIN THE ROOM AS INDICATED. CONSIDER PROPER MAINTENANCE CLEARANCES AROUND ALL EQUIPMENT INCLUDING COIL PULL SPACE, AND OBSERVANCE OF THE "DEDICATED ELECTRICAL SPACE" AROUND ELECTRICAL EQUIPMENT AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, AS WELL AS THE MINIMUM CLEARANCE REQUIREMENTS SET FORTH IN THE INTERNATIONAL MECHANICAL CODE AND THE MANUFACTURER'S MINIMUM RECOMMENDED CLEARANCES.

4. MECHANICAL LAYOUTS ARE SCHEMATIC. PROVIDE ANY ADDITIONAL DROPS, RISERS, OFFSETS OR TRANSITIONS REQUIRED FOR COMPLETE INSTALLATION. COORDINATE LOCATION OF CEILING MOUNTED WORK WITH LIGHTS, PLUMBING AND OTHER OBSTRUCTIONS.

5. INSTALL EQUIPMENT AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

6. CONTRACTOR TO INSTALL TWO (2), 5.0 TON-17 SEER, TRANE AIR HANDLERS & CONDENSERS. AIR HANDLERS TO BE TRANE *TEM6AOC6OH5IS & CONDENSERS TO BE TRANE *4TWRTO6OAI. CONTRACTOR TO LOCATE ALL SUPPLY & RETURN AIR GRILLES IN CEILING-COORDINATE LOCATION WITH OTHER TRADES.

7. AIR HANDLING UNITS TO BE LOCATED IN STORAGE ROOM, RM. 105 ON FIRST FLOOR LEVEL, AND UTILITY ROOM, RM. 206 ON THE SECOND FLOOR, WITH VERTICAL CONFIGURATIONS.

8 CONTRACTOR TO LOCATE HYAC RIGID SUPPY & RETURN DUCT LINES & FLEXIBLE DUCTS TO BE ABOVE CEILING AND SHALL BE SUPPORTED PER SMACNA CONSTRUCTION STANDARDS FOR LOW PRESSURE DUCTWORK.

9. CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PIPING AND DUCTWORK SUCH THAT MANUFACTURER'S RECOMMENDED CLEARANCES ARE MET FOR ACCESS TO MOTORS, FANS, FILTERS, ETC.

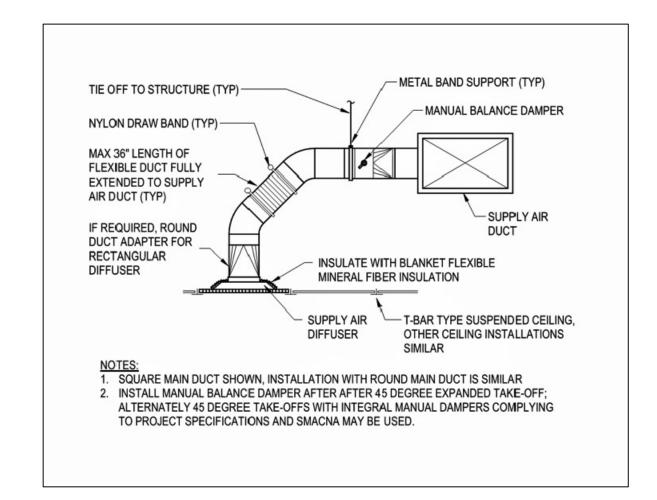
10. CONDENSATE LINES SHALL BE SCHEDULE 40 PVC. COAT LINES TO PROTECT FROM UV., CONDENSATE LINE TO FLOOR DRAIN AS LOCATED IN MECHANICAL ROOM, RM. III.

II. CONTRACTOR TO FIELD YERIFY LOCATION OF HYAC CONDENSER UNITS AS SHOWN ON PLANS- PROYIDE CONCRETE PAD TO ACCOMODATE CONDENSER UNITS.

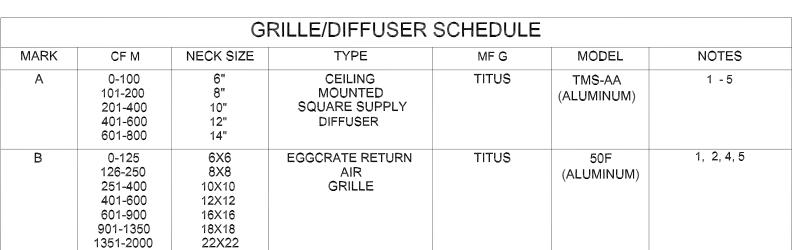
12. LOCATE THEROMSTAT IN A CENTRAL LOCATION - CONTRACTOR TO CONFIRM LOCATION PER MFR.'S INSTALLATION GUIDELINES. SET NEW THERMOSTATS @ 48" A.F.F.

13. CEILING HEIGHTS THROUGHOUT TO BE 9'-6"A.F.F.- ALL CEILINGS TO BE ACOUSTICAL TILE CEILING. 14. BATHROOM EXHAUST FANS TO BE VENTED TO THE EXTERIOR AS NOTED ON PLANS.

PROVIDE EXHAUST LOUVER WITH RAIN PROOFING. 15. FOR OUTSIDE AIR INTAKE: PROVIDE 12"x 12" RUSKIN, EMEG325D, WIND-DRIVEN RAIN RESISTANT







1. PROVIDE WITH OPPOSED BLADE BACKDRAFT DAMPER.

- 2. PROVIDE 24X24 ALUMINUM FULLY LOUVERED FACE LAY-IN MODULE WHERE LOCATED IN LAY-IN CEILING. 3. PROVIDE SQUARE TO ROUND NECK TRANSITION WHERE APPLICABLE.
- 4. COORDINATE BORDER TYPES WITH ARCHITECTURAL FLOOR PLAN AND REFLECTED CEILING PLAN.
- 5. PROVIDE WITH WHITE FINISH.

3. FANS HAVE A SOUND RATING OF 5 SONES OR LESS.

STATIONARY LOUVER.

1011000/12	
3" MAX.	F LOW BRANCH DUCT

SQUARE ELBOW

SUPPLY TAP

RETURN TAP



					EXHAU	ST F	AN SCI	HED	ULE						
UNIT TYPE	INDENTIFIER	AREA SERVED	MANUFACTURER	MODEL	LOCATION	DRIVE	F AN TYPE	CF M	ESP IN WC	HP	ELECTRICAL LOAD	RPM	VOLTAGE	PHASES	NOTES
EF-1	1	RESTROOM	GREENHECK	SP-A90	CEILING	DIRECT	CEILING	75	0.20	_	18 W	900	120 V	1	1 - 3

1. FANS ARE PROVIDED WITH FAN SPEED CONTROLLER, BACKDRAFT DAMPER, AND DISCONNECT SWITCH. 2. FANS ARE INTERLOCKED WITH LIGHT SWITCH.

						AIR HAI	NDLING	UNIT / C	ONDEN	ISER	SCHE	Οl
T TYPE INDENTIFIER	MFR	MODEL	NOMINAL TONNAGE	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)		ENTERING WB (DEG F)	TOTAL CF M	OA CF M	ESP IN WC	INDOOR F AN HP	HE

							AIR HAI	IDLING	UNIT / C	CONDEN	ISER	SCHE	EDULE							
UNIT TYPE INI	DENTIFIER	MFR	MODEL	NOMINAL TONNAGE	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	ENTERING DB (DEG F)	ENTERING WB (DEG F)	TOTAL CF M	OA CF M	ESP IN WC	INDOOR F A	AN HEATING TYPE	ELECTRIC HEAT (KW)	MCA	МОСР	VOLTAGE	PHASE	WEIGHT	NOTES
AHU-1	1	TRANE	TEM6A0C60H51	5.0	48.00	36.00	80	67	1735	235	0.3	3/4	ELECTRIC	4.8 KW	34.0 A	35.0 A	208/230 V	1	167	1, 2
HP-1	1	TRANE	4TWR7060A1	5.0								1/4	ELECTRIC		28.0 A	45.0 A	208/230 V	1	260	
AHU-2	2	TRANE	TEM6A0C60H51	5.0	48.00	36.00	80	67	1735	270	0.3	3/4	ELECTRIC	4.8 KW	34.0 A	35.0 A	208/230 V	1	167	1, 2
HP-2	2	TRANE	4TWR7060A1	5.0								1/4	ELECTRIC		28.0 A	45.0 A	208/230 V	1	260	

SERVED BY	ROOM	SPACE TYPE	NUMBER OF PEOPLE (Pz)	OUTDOOR AIRFLOW RATE REQ'D PER PERSON (Rp)	AREA (sf) (Az)	OUTDOOR AIRFLOW RATE REQ'D PER SF (Ra)	Rp x Pz	Ra x Az	BREATHING ZONE OUTDOOR AIRFLOW (Vbz)	EXHAUST AIRFLOW RATE (CFM/ sq.ft.)	AIR DISTRIBUTION CONFIGURATION	ZONE AIR DIST. EFFECT. (Ez)	ZONE OUTDOOR AIRFLOW (Voz=Vbz/Ez)	TOTAL OUTDOOR AIR INTAKE REQ'D (Vot)	TOTAL OUTDOOR AIR INTAKE PROVIDED
	OFFICES	BUSINESS	5	5.0	740.0	.06	25.0	44.4	94.4						
AHU-1	RESTROOM (2)	NONE	0	0	114.0	0	0	0	0	25/ 50	CEILING SUPPLY OF WARM AIR				235
	LOBBY AREA	ASSEMBLY	5	5.0	760.0	.06	25.0	45.6	70.6		15°F OR MORE ABOVE SPACE TEMPERATURE	0.8	230	230	
	BREAKROOM	BUSINESS	2	5.0	147.0	.06	10.0	8.82	18.82		AND CEILING RETURN				
-								UNITS TOTAL	183.82	3.82					
	OPEN OFFICE AREA	BUSINESS	8	5.0	1,200.0	.06	40.0	72.0	112.0						270
AHU-2	RESTROOMS (1)	NONE	0	0	57.0	0	0	0	0	25/ 50	CEILING SUPPLY OF WARM AIR				
7110 2	BREAKROOM	BUSINESS	12	5.0	186.0	.06	60.0	11.2	71.2		15°F OR MORE ABOVE SPACE TEMPERATURE	0.8	265	265	
	OFFICE (1)	BUSINESS	2	5.0	310.0	.06	10.0	18.6	28.6		AND CEILING RETURN				
				1		1	1	UNITS TOTAL	211.80					'	

REQUIRED OUTSIDE AIR CFM VALUES BASED ON ANSI/ASHRAE STANDARD 62.1-2010.

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TROY ANTHONY STENCEL FLORIDA ARCHITECT #AR99221

SIMQUE CONSTRUCTION, I

A. BOONE CONSTRUFFICE BUILDING

00 SUBMITTAL PHASE | DATE | DRAWN | CHECK PERMIT 26 Jun TAS TAS REVISIONS # DATE REMARKS

PROJECT NUMBER AW24021 PHASE

RELEASE FOR PERMIT SHEET TITLE

NEW OFFICE FIRST FLOOR MECHANICAL PLAN, SCHEDULES, **DETAILS & NOTES**

LEGEND:

NEW BATHROOM EXHAUST FAN

NEW THERMOSTAT

NEW 2'x 2' SUPPLY AIR DIFFUSER IN ACOUSTICAL CEILING





NEW HYAC DUCTWORK (SUSPENDED FROM STRUCTURE)

UNDERCUT THE DOOR UNIT (3/4" UNDERCUT)

MECHANICAL SPECIFICATIONS:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERRORS IN FABRICATION, FOR THE CORRECT FITTING, INSTALLATION AND ERECTION OF THE VARIOUS MECHANICAL SYSTEMS AS SHOWN ON THE DRAWINGS.

2. THE MECHANICAL CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN AND PAY FOR ALL PERMITS, GOVERNMENT SALES TAXES AND INSPECTIONS; FILE ALL NECESSARY PLANS, PREPARE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS OF ALL GOVERNMENTAL DEPARTMENTS AND OR THE APPROPRIATE MUNICIPALITY AND/OR UTILITY COMPANY HAVING JURISDICTION, WHETHER INDICATED, SPECIFIED OR NOT. HE SHALL ALSO OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK AND DELIVER SAME TO THE GENERAL CONTRACTOR BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK.

3. IGNORANCE OF CODES, RULES, REGULATION, LAWS, ETC. SHALL NOT RENDER THE MECHANICAL CONTRACTOR IRRESPONSIBLE FOR COMPLIANCE.

4. CONTRACTOR SHALL BE VERSED IN ALL CODES, RULES AND REGULATIONS PERTINENT TO HIS PART OF THE WORK PRIOR TO SUBMISSION OF A PROPOSAL. 5. THE MECHANICAL CONTRACTOR SHALL INCLUDE IN HIS WORK, WITHOUT EXTRA COST TO THE

OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS OR DRAWINGS IN ORDER TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS, SHOWN ON THE DRAWINGS AND/OR

6. ALL MATERIALS AND EQUIPMENT FOR THE ELECTRICAL PORTION OF THE MECHANICAL SYSTEMS SHALL BEAR THE APPROVED LABEL OF, OR SHALL BE LISTED BY THE UNDERWRITERS LABORATORIES, INC.

ALL HEATING, VENTILATION AND AIR CONDITIONING WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE STATE OR LOCAL BUILDING CODE AND AMENDMENTS THERETO, THE LATEST STANDARDS RECOGNIZED BY THE AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS AND THE NATIONAL FIRE PROTECTION ASSOCIATION.

8. WHERE MINIMUM CODE REQUIREMENTS ARE EXCEEDED IN THE DESIGN OF THE HVAC SYSTEMS, THE DESIGN SHALL GOVERN. 9. THE MECHANICAL CONTRACTOR SHALL ENSURE THAT HIS WORK IS ACCOMPLISHED IN

ACCORDANCE WITH OSHA STANDARDS AND THAT HE CONDUCTS HIS WORK AND THE WORK OF HIS PERSONNEL ON THIS PROJECT IN ACCORDANCE WITH SAME.

10. ALL WORK RELATING TO THE HANDICAPPED SHALL BE IN ACCORDANCE WITH REGULATIONS CURRENTLY ENFORCED BY THE AUTHORITY HAVING JURISDICTION.

DRAWINGS AND SPECIFICATIONS

. CONTRACT DRAWINGS FOR WORK UNDER THIS SECTION ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE THE GENERAL ARRANGEMENT OF EQUIPMENT, DUCTS, PIPING AND THE APPROXIMATE SIZE AND LOCATION OF EQUIPMENT AND OUTLETS. THE CONTRACTOR SHALL FOLLOW THESE DRAWINGS IN LAYING OUT HIS WORK AND SHALL VERIFY SPACES IN WHICH HIS WORK WILL BE INSTALLED, INDICATING TO THE ARCHITECT WHERE ANY CONFLICTS OR OVERLAPPING OF SYSTEMS OCCUR.

2. WHERE JOB CONDITIONS REQUIRE REASONABLE CHANGES IN INDICATED LOCATIONS AND ARRANGEMENT, PROPOSED DEPARTURES SHALL BE SUBMITTED WITH DETAILED DRAWINGS TO THE ARCHITECT FOR APPROVAL BEFORE ANY OF THE PROPOSED WORK IS COMMENCED.

3. THE DRAWINGS AND THE SPECIFICATIONS ARE INTENDED TO INDICATE COMPLETE AND WORKING SYSTEMS, UNLESS SPECIFICALLY INDICATED TO THE CONTRARY. THE WORK INCLUDES THE FURNISHING, INSTALLING AND CONNECTING OF A COMPLETE WORKING INSTALLATION IN EACH CASE O THE FULL EXTENT SET FORTH IN THE DRAWINGS AND HEREIN SPECIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE FUNCTIONING SYSTEM, UNLESS SPECIFICALLY NOTED

4. THE DRAWINGS AND SPECIFICATIONS SHALL BE CONSIDERED AS COOPERATIVE. WORK AND MATERIAL INCLUDED IN EITHER, THOUGH NOT MENTIONED IN BOTH, SHALL BE A PART OF THE WORK TO BE ACCOMPLISHED AND SHALL BE CARRIED OUT COMPLETELY IN AS THOROUGH A MANNER AS IF COVERED BY BOTH.

EQUIPMENT DESIGN AND INSTALLATION

1. THE DESIGN, MANUFACTURE, TESTING AND INSTALLATION OF ALL APPARATUS AND MATERIALS FURNISHED UNDER THE REQUIREMENTS OF THESE SPECIFICATIONS SHALL CONFORM TO THE APPLICABLE STANDARD RULES OF THE FOLLOWING. WHERE MATERIALS ARE NOT SPECIFICALLY REFERRED TO, BUT ARE REQUIRED, THEY SHALL MEET THE REQUIREMENTS OF THE APPLICABLE

ARI -AIR CONDITIONING & REFRIGERATION INSTITUTE
ASHRAE -AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS

ASME -AMERICAN SOCIETY OF MECHANICAL ENGINEERS ASTM -AMERICAN SOCIETY OF TESTING MATERIALS

-ENVIRONMENTAL PROTECTION AGENCY -FLORIDA BUILDING CODE, BUILDING, FIRE, FUEL GAS, PLUMBING, &

MECHANICAL NEC -NATIONAL ELECTRICAL CODE

NEMA -NATIONAL ELECTRICAL MANUFACTURER'S ASSOC. NFPA -NATIONAL FIRE PROTECTION ASSOCIATION

-OCCUPATIONAL SAFETY AND HEALTH ADM SMACNA-SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION UL -UNDERWRITER'S LABORATORIES, INC.

2. UNLESS OTHERWISE SPECIFIED AND/ OR APPROVED, EQUIPMENT AND MATERIALS OF THE SAME TYPE AND USED FOR THE SAME PURPOSE, SHALL BE PRODUCTS OF THE SAME MANUFACTURER. 3. THE COMPONENTS AND COMPLETED ASSEMBLIES OF ALL EQUIPMENT FURNISHED SHALL BE U.L. LISTED, IN AN EFFORT TO ENSURE QUALITY PRODUCTS ON THE PROJECT.

1. ALL TESTS REQUIRED TO ESTABLISH THE ADEQUACY, QUALITY, SAFETY, COMPLETED STATUS AND SUITABLE OPERATION OF EACH SYSTEM AND ALL COMPONENTS THEREOF SHALL BE MADE IN THE PRESENCE OF AND TO THE SATISFACTION OF THE ARCHITECT OR HIS AUTHORIZED REPRESENTATIVE AND OTHER REPRESENTATIVES OF STATE AND LOCAL GOVERNMENT. ALL INSTRUMENTS, LABOR AND EXPERT SERVICE NECESSARY TO CONDUCT THESE TESTS SHALL BE SUPPLIED BY THE CONTRACTOR; POWER AND FUEL WILL BE FURNISHED BY THE OWNER.

2. THE FINAL INSPECTION AND TESTS ARE TO BE MADE ONLY AFTER THE OWNER IS SATISFIED THAT THE WORK DESCRIBED IN THESE SPECIFICATIONS HAS BEEN COMPLETELY INSTALLED IN ACCORDANCE WITH THE TRUE SPIRIT AND INTENT OF THESE SPECIFICATIONS AND THAT COMPLETE PRELIMINARY TESTS WERE MADE WHICH INDICATE ADEQUACY, QUALITY, COMPLETION AND SATISFACTORY OPERATION. THE ACCEPTANCE OF THE WORK HEREIN SPECIFIED, SHALL NOT IN ANY WAY PREJUDICE THE OWNER'S RIGHT TO DEMAND REPLACEMENT OF DEFECTIVE MATERIAL AND/OR WORKMANSHIP.

GUARANTEE AND SERVICE:

1. ALL EQUIPMENT SHALL BE GUARANTEED AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE, AS EVIDENCED BY DATE OF CERTIFICATE FOR FINAL PAYMENT.

2. IN ADDITION TO THE GUARANTEE, THE CONTRACTOR SHALL PROVIDE ALL REPAIR AND ADJUSTMENT SERVICE NECESSARY FOR THE PROPER OPERATION OF THE ENTIRE SYSTEM FOR A PERIOD OF ONE (1) YEAR AFTER THE SYSTEM IS PUT INTO OPERATION (CONCURRENT WITH THE GUARANTEE). UPON RECEIPT OF NOTICE FROM THE OWNER'S REPRESENTATIVE OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT DURING THE GUARANTEE PERIOD, THE AFFECTED PART SHALL BE REPLACED PROMPTLY WITH A NEW PART WITHOUT COST TO THE OWNER. UPON FAILURE TO TAKE ACTION WITHIN 48 HOURS AFTER BEING NOTIFIED, THE WORK WILL BE ACCOMPLISHED BY THE OWNER AT THE EXPENSE OF THE CONTRACTOR.

CONTRACTOR FURNISHED DRAWINGS, DESCRIPTIVE DATA AND MANUALS:

1. IN ACCORDANCE WITH THE GENERAL CONDITIONS, SHOP DRAWINGS SHALL BE SUBMITTED ON ALL UNITS OF PREFABRICATED MATERIALS.

1. ALL DOCUMENTS PERTINENT TO THE QUALITY AND QUANTITY OF WORK TO BE PERFORMED ON THE PROJECT. INCLUDES BUT NOT LIMITED TO: PLANS, SPECIFICATIONS, INSTRUCTIONS TO BIDDERS, GENERAL AND SPECIAL CONDITIONS, ADDENDA, ALTERNATES, LIST OF MATERIALS, LIST OF SUB-CONTRACTORS, UNIT PRICES, SHOP DRAWINGS, FIELD ORDERS, CHANGE ORDERS, COST BREAKDOWN, PERIODICAL PAYMENT REQUESTS, ETC.

2. IT IS THE INTENTION OF THESE SPECIFICATIONS AND ALL ASSOCIATED DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE AND READY FOR USE".

3. DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF SYSTEMS, EQUIPMENT, MATERIALS, ETC., SHALL BE INCLUDED IN THE WORK, THE SAME AS IF HEREIN SPECIFIED OR INDICATED.

HANGERS AND SUPPORTS FOR H.V.A.C. PIPING AND EQUIPMENT

1. STEEL HANGER RODS MAY BE THREADED BOTH ENDS, THREADED ONE END, OR CONTINUOUS

2. INSERTS SHALL BE MALLEABLE IRON CASE OF GALVANIZED STEEL SHELL AND EXPANDER PLUG FOR THREADED CONNECTION WITH LATERAL ADJUSTMENT, TOP SLOT FOR REINFORCING RODS, LUGS FOR ATTACHING TO FORMS; SIZE INSERTS TO SUIT THREADED HANGER RODS.

3. BEAM CLAMPS SHALL HAVE MALLEABLE IRON JAWS, STEEL BOLT OR TIE ROD AND NUT.

4. PRIME COAT EXPOSED STEEL HANGERS AND SUPPORTS. HANGERS AND SUPPORTS LOCATED IN CRAWL SPACES, PIPE SHAFTS, AND SUSPENDED CEILING SPACES ARE NOT CONSIDERED EXPOSED

5. PROVIDE INSERTS FOR SUSPENDING HANGERS FROM REINFORCED CONCRETE SLABS AND SIDES OF REINFORCED CONCRETE BEAMS.

6. PROVIDE HOOKED ROD TO CONCRETE REINFORCEMENT SECTION FOR INSERTS CARRYING PIPE

7. WHERE CONCRETE SLABS FORM FINISHED CEILING, PROVIDE INSERTS TO BE FLUSH WITH SLAB

SURFACE. 8. WHERE INSERTS ARE OMITTED, DRILL THROUGH CONCRETE SLAB FROM BELOW AND PROVIDE THRU-BOLT WITH RECESSED SQUARE STEEL PLATE AND NUT RECESSED INTO AND GROUTED FLUSH

1. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. FOR LINED DUCTS, MAINTAIN SIZES INSIDE

2. TO BE NON-COMBUSTIBLE OR CONFORMING TO REQUIREMENTS FOR CLASS 1 AIR DUCT MATERIALS,

3. ALL DUCT MATERIAL AND COVERING SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84. 4. STEEL DUCTS SHALL BE ASTM A525 OR ASTM A527 GALVANIZED STEEL SHEET, LOCK-FORMING QUALITY, HAVING ZINC COATING OF 1.25 OZ. PER SQ.FT. FOR EACH SIDE IN CONFORMANCE WITH ASTM

5. FLEXIBLE DUCTS SHALL BE INTERLOCKING SPIRAL OF GALVANIZED STEEL, OR FABRIC SUPPORTED ON HELICALLY WOUND SPRING STEEL WIRE. FLEXIBLE DUCTS SHALL CONFORM TO UL 181. WORKING PRESSURE UP TO 4" W.G. MAXIMUM VELOCITY. MAXIMUM LENGTH PER RUN SHALL BE 20 FEET.

6. INSULATED FLEXIBLE DUCT SHALL BE FLEXIBLE DUCT WRAPPED WITH FLEXIBLE GLASS FIBER INSULATION, ENCLOSED BY SEAMLESS ALUMINUM PIGMENTED PLASTIC VAPOR BARRIER JACKET 7. FASTENERS MAY BE RIVETS, BOLTS OR SHEET METAL SCREWS.

8. SEALANT MUST BE NON-HARDENING, WATER RESISTANT, FIRE RESISTIVE, COMPATIBLE WITH MATING MATERIALS; LIQUID USED ALONG OR WITH TAPE, OR HEAVY MASTIC.

9. LOCATE DUCTS WITH SUFFICIENT SPACE AROUND EQUIPMENT TO ALLOW NORMAL OPERATING AND MAINTENANCE ACTIVITIES.

10. DURING CONSTRUCTION, PROVIDE TEMPORARY CLOSURES OF METAL OR TAPED POLYETHYLENE ON OPEN DUCTWORK TO PREVENT CONSTRUCTION DUST FROM ENTERING DUCTWORK SYSTEM. LOW PRESSURE DUCTWORK

1. FABRICATE AND SUPPORT IN COMPLETE ACCORDANCE WITH SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS AND ASHRAE HANDBOOKS, LATEST EDITIONS, EXCEPT AS INDICATED PROVIDE DUCT MATERIAL, GAGES, REINFORCING, AND SEALING FOR OPERATING PRESSURES

2. SIZE ROUND DUCTS INSTALLED IN PLACE OF RECTANGULAR DUCTS IN ACCORDANCE WITH ASHRAE TABLE OF EQUIVALENT RECTANGULAR AND ROUND DUCTS. NO VARIATION OF DUCT CONFIGURATION $\frac{1}{2}$

OR SIZES PERMITTED EXCEPT BY WRITTEN PERMISSION. 3. CONSTRUCT T'S, BENDS AND ELBOWS WITH RADIUS OF NOT LESS THAN 1-1/2 TIMES WIDTH OF DUCT ON CENTERLINE. WHERE NOT POSSIBLE AND WHERE RECTANGULAR ELBOWS ARE USED, PROVIDE

4. INCREASE DUCT SIZES GRADUALLY, NOT EXCEEDING 15 DEGREES DIVERGENCE WHEREVER POSSIBLE. DIVERGENCE UPSTREAM OF EQUIPMENT SHALL NOT EXCEED 30 DEGREES; CONVERGENCE DOWNSTREAM SHALL NOT EXCEED 30 DEGREES.

5. USE CRIMP JOINTS WITH OR WITHOUT BEAD FOR JOINING ROUND DUCT SIZES 8 INCHES AND SMALLER WITH CRIMP IN DIRECTION OF AIR FLOW.

1. INTERNAL SHALL BE GLASS FIBER; ANSI/ASTM C553, 1.5 LB./CU. FT. MINIMUM DENSITY. INTERIOR SURFACE EXPOSED TO AIR STREAM SHALL HAVE THERMOSETTING ACRYLIC POLYMER OR LINER WITH EPA REGISTERED BIOCIDE RATED FOR MAXIMUM 4000 FPM AIR VELOCITY. MINIMUM INSTALLED R - VALUE OF 6.0, UNLESS DUCT IS INSTALLED IN MECHANICALLY COOLED SPACE OR BETWEEN FLOORS, IN WHICH CASE THE INSTALLED R - VALUE MAY BE 4.2. DETERMINE R - VALUES AT 75°F.

2. EXTERNAL SHALL BE FLEXIBLE OR RIGID GLASS FIBER; ANSI/ASTM C612 COMMERCIAL GRADE. MINIMUM INSTALLED R - VALUE OF 6.0, UNLESS DUCT IS INSTALLED IN MECHANICALLY COOLED SPACE OR BETWEEN FLOORS, IN WHICH CASE THE INSTALLED R - VALUE MAY BE 4.2. DETERMINE R-VALUES AT 75°F. PROVIDE WITH FOIL SCRIM FACING.

3. INSULATION MATERIAL AND JACKETS SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84.

4. ADHESIVES MUST BE WATERPROOF FIRE-RETARDANT TYPE.

5. LAGGING ADHESIVE MUST BE FIRE RESISTIVE TO ASTM E84, NFPA 255, UL723.

6. IMPALE ANCHORS SHALL BE GALVANIZED STEEL, 12 GAGE, SPOT WELDED OR SELF-ADHESIVE PAD. NO ANCHORS SHALL PENETRATE DUCT WALLS.

7. JOINT TAPE SHALL BE GLASS FIBER CLOTH, OPEN MESH.

8. TIE WIRE SHALL BE ANNEALED STEEL, 16 GAGE.

INSTALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

10. FOR INTERNAL APPLICATION, ADHERE INSULATION WITH ADHESIVE FOR 100 PERCENT COVERAGE. SECURE INSULATION WITH MECHANICAL FASTENERS ON 15 INCH CENTERS MAXIMUM ON TOP AND SIDE OF DUCTWORK WITH DIMENSION EXCEEDING 20 INCHES. SEAL AND SMOOTH JOINTS. DO NOT USE NAIL-TYPE FASTENERS. SEAL VAPOR BARRIER PENETRATIONS BY MECHANICAL FASTENERS WITH VAPOR BARRIER ADHESIVE.

11. DUCTWORK DIMENSIONS INDICATED ARE NET INSIDE DIMENSIONS REQUIRED FOR AIR FLOW.

12. SUPPLY AND RETURN DUCTS SHALL BE INSULATED.

13. OUTSIDE AIR DUCTS SHALL BE FLEXIBLE OR GALV. STEEL, EXTERNALLY INSULATED TO R - VALUE OF 4.5 (6.0 NOT REQUIRED).

14. INTERIOR EXHAUST DUCT FROM TOILET ROOMS AND DRYER SHALL NOT REQUIRE INSULATION.

1. ALL DUCT HANGERS IN DIRECT CONTACT WITH GALVANIZED DUCT SHALL BE GALVANIZED STEEL.

2. DUCT HANGERS MAY BE DIRECTLY ATTACHED TO DUCTS. DUCTS SHALL BE HUNG BY ANGLES OR STRAPS AS DETAILED ON DRAWINGS. RODS, STRAPS OR ANGLES MAY BE USED IN TRAPEZE HANGERS

3. WHERE TRAPEZE HANGERS ARE USED, THE BOTTOM OF THE DUCT SHALL BE SUPPORTED TO ANGLE SIZED AS 1" \times 1" \times 1/8" FOR DUCTS UP TO 34" (FOR ROUND DUCTS, THE ANGLE SHALL CONFORM TO THE BOTTOM 120 DEGREES OF THE DUCT).

4. ALL HANGERS SHALL BE SUFFICIENTLY CROSS-BRACED TO ELIMINATE, IN THE OPINION OF THE ARCHITECT, EXCESSIVE SWAY. WHEREVER DUCTWORK CONTAINS FILTER SECTIONS, COILS, FANS OR OTHER HEAVY EQUIPMENT (EXCLUDING REGISTERS, GRILLES, DIFFUSERS, SPLITTER DAMPERS, ETC.) SUCH EQUIPMENT SHALL BE HUNG INDEPENDENTLY OF THE DUCTWORK, WITH RODS OR ANGLES OF SIZES ADEQUATE TO SUPPORT THE LOAD.

5. DUCT HANGERS DIRECTLY IN CONTACT WITH OR DIRECTLY ATTACHED TO STAINLESS STEEL DUCTS

6. IN THE EVENT DUCTWORK INTERFERES WITH SUSPENDED CEILING SUPPORT HANGERS, PROVIDE CROSS MEMBERS FROM HANGERS AFFECTED. THESE CROSS MEMBERS SHALL BE OF REINFORCED STEEL OR FURRING CHANNELS AND SHALL RUN UNDER DUCTWORK IN QUESTION FROM WHICH ADDITIONAL CEILING HANGERS SHALL BE SUPPORTED.

PERMITTED DUCT MATERIAL USAGE

SHALL BE STAINLESS STEEL.

1. HVAC SUPPLY & RETURN MAY BE INSULATED GALV. STEEL, OR INSULATED FLEXIBLE

2. OUTSIDE AIR MUST BE EXTERNALLY INSULATED GALVANIZED STEEL.

3. TOILET EXHAUST SHALL BE GALVANIZED STEEL, NO INSULATION

POWER VENTILATORS

1. MANUFACTURERS SHALL BE GREENHECK, PENN, BROAN, NUTONE OR APPROVED EQUAL.

2. CEILING EXHAUST FANS SHALL BE V-BELT OR DIRECT DRIVE, WITH GALVANIZED STEEL HOUSING LINED WITH 1/2 INCH ACOUSTIC INSULATION, RESILIENT MOUNTED MOTOR, GRAVITY BACKDRAFT

3. DISCONNECT SWITCH SHALL BE FACTORY WIRED, NON-FUSIBLE, IN HOUSING FOR THERMAL OVERLOAD PROTECTED MOTOR.

4. GRILLE SHALL BE MOLDED WHITE PLASTIC OR ALUMINUM WITH BAKED WHITE ENAMEL FINISH. 5. SPEED CONTROLLER TO BE SOLID STATE.

INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

DIFFUSERS, REGISTERS AND GRILLES

1. FURNISH AND INSTALL WHERE SHOWN ON DRAWINGS ALL REGISTERS, GRILLES, DIFFUSERS AND LOUVERS IN ACCORDANCE WITH THE TABULATION IN THE SCHEDULE ON DRAWINGS.

2. PROVIDE ACCESSORIES AND MODIFICATIONS AS INDICATED IN SCHEDULE NOTES. 3. MANUFACTURER LISTED IN SCHEDULE IS FOR DESIGN SELECTION ONLY. REGISTERS, GRILLES, AND DIFFUSERS AS MANUFACTURED BY PRICE, KRUEGER, TITUS, METALAIRE OR APPROVED EQUAL

WILL BE ACCEPTED.

DUCT ACCESSORIES

INSTALL ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

2. PROVIDE BALANCING DAMPERS AT POINTS ON LOW PRESSURE SUPPLY, RETURN, AND EXHAUST SYSTEMS WHERE BRANCHES ARE TAKEN FROM LARGER DUCTS AS REQUIRED FOR AIR BALANCING. 3. PROVIDE BACKDRAFT DAMPERS ON EXHAUST FANS OR EXHAUST DUCTS NEAREST TO OUTSIDE AND WHERE INDICATED.

4. PROVIDE FLEXIBLE CONNECTIONS IMMEDIATELY ADJACENT TO EQUIPMENT IN DUCTS ASSOCIATED WITH FANS AND MOTORIZED EQUIPMENT.

VOLUME CONTROL DAMPERS

 FABRICATE IN ACCORDANCE WITH SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS, AND AS INDICATED. AIR BALANCE, BARBER-COLMAN, CARNES, NATIONAL CONTROLLED AIR, RUSKIN, CESCO OR APPROVED EQUAL.

2. FABRICATE SINGLE BLADE DAMPERS FOR DUCT SIZES TO 12 INCH.

3. FABRICATE MULTI-BLADE DAMPER OF OPPOSED BLADE PATTERN WITH MAXIMUM BLADE SIZES 12 X 72 INCH. ASSEMBLE CENTER AND EDGE CRIMPED BLADES IN PRIME COATED OR GALVANIZED CHANNEL FRAME WITH SUITABLE HARDWARE.

4. EXCEPT IN ROUND DUCTWORK 12 INCHES AND SMALLER, PROVIDE END BEARINGS. ON MULTIPLE BLADE DAMPERS, PROVIDE OIL-IMPREGNATED NYLON OR SINTERED BRONZE BEARINGS.

5. PROVIDE LOCKING, INDICATING QUADRANT REGULATORS ON SINGLE AND MULTI-BLADE DAMPERS. WHERE ROD LENGTHS EXCEED 30 INCHES PROVIDE REGULATOR AT BOTH ENDS.

BACKDRAFT DAMPERS

1. DAMPERS SHALL BE AIR BALANCE, VENT COCK, ANEMOSTAT, RUSKIN, CESCO OR APPROVED EQUAL

2. GRAVITY BACKDRAFT DAMPERS, SIZE 18X18 INCHES OR SMALLER, FURNISHED WITH AIR MOVING EQUIPMENT, MAY BE AIR MOVING EQUIPMENT MANUFACTURER'S STANDARD CONSTRUCTION. 3. FABRICATE MULTI-BLADE, PARALLEL ACTION GRAVITY BALANCED BACKDRAFT DAMPERS OF 16

GAGE GALVANIZED STEEL, WITH CENTER PIVOTED BLADES OF MAXIMUM 6 INCH WIDTH, WITH FELT OR FLEXIBLE VINYL SEALED EDGES, LINKED TOGETHER IN RATTLE-FREE MANNER WITH 90 DEGREE STOP, STEEL BALL BEARINGS, AND PLATED STEEL PIVOT PIN; ADJUSTMENT DEVICE TO PERMIT SETTING FOR VARYING DIFFERENTIAL STATIC PRESSURE.

AIR TURNING DEVICES

1. AIR TURNING VANES SHALL BE BARBER/COLMAN, TUTTLE AND BAILEY, ANEMOSTAT, METALAIRE OR APPROVED EQUAL.

2. MULTI-BLADE DEVICE WITH BLADES ALIGNED IN SHORT DIMENSION; STEEL OR ALUMINUM CONSTRUCTION; WITH INDIVIDUALLY ADJUSTABLE BLADES, MOUNTING STRAPS. PROVIDE IN ALL SQUARE TURNS.

FLEXIBLE DUCT CONNECTIONS

1. SHALL BE VENT FABRIC 6" VENTGLAS, ANEMOSTAT, BARBER/COLMAN OR APPROVED EQUAL. 2. FABRICATE IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS 1ST EDITION,

3. UL LISTED FIRE-RETARDANT NEOPRENE COATED WOVEN GLASS FIBER FABRIC TO NFPA 90A, MINIMUM DENSITY 20 OZ PER SQUARE YARD, APPROXIMATELY 6 INCHES WIDE, CRIMPED INTO METAL **GWORKS**

ARCWORKS architecture / interi



FLORIDA ARCHITECT #AR99221

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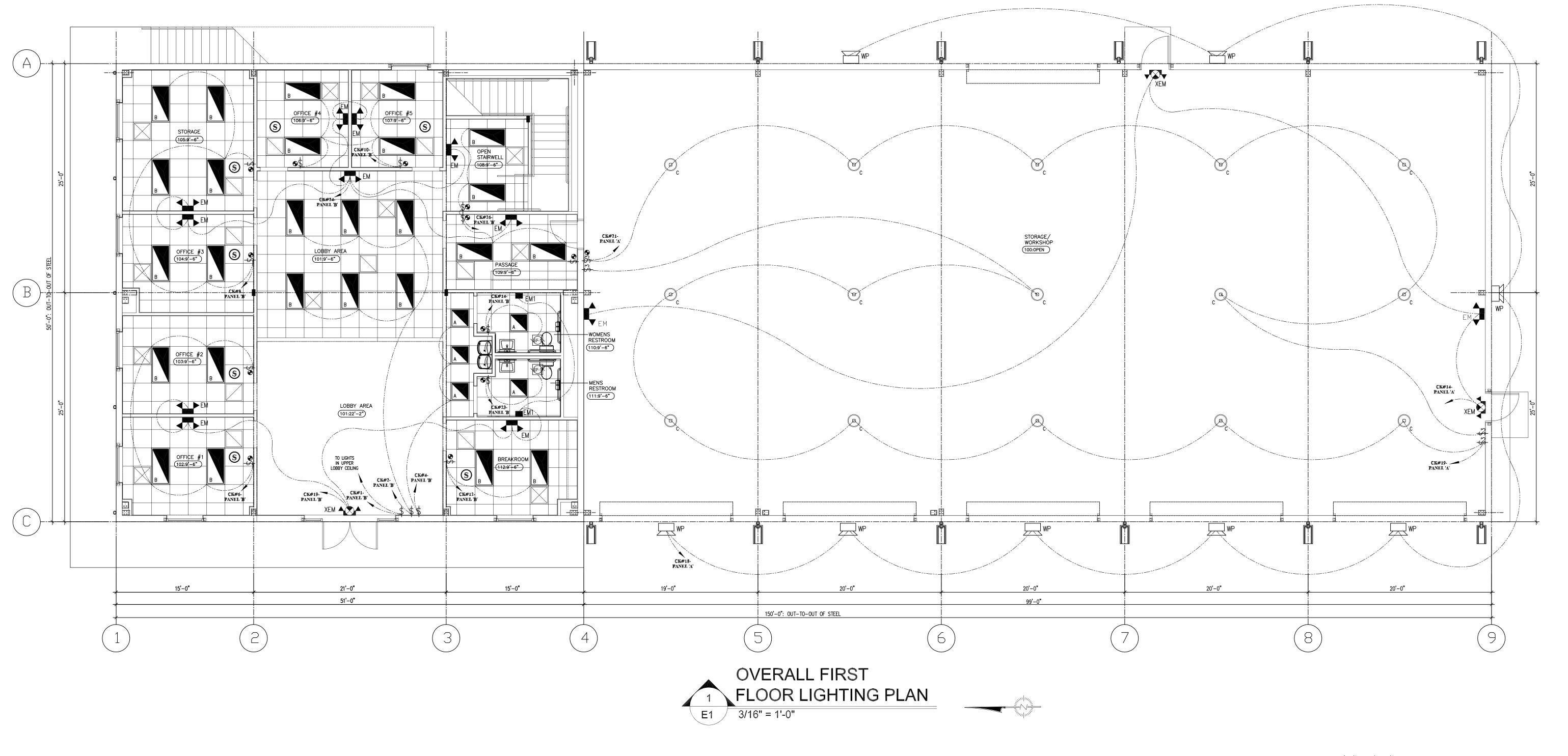
SUBMITTAL

PROJECT NUMBER AW24021

RELEASE FOR PERMIT SHEET TITLE

FLOOR MECHANICAL PLAN & SPECIFICATIONS

NEW OFFICE SECOND



CEILING NOTES:

- A. MISCELLANEOUS:
- 1. ACOUSTICAL TILE CEILING TO BE: ARMSTRONG 24"x24"x8"- WHITE (TYPE *673) THROUGHOUT FIRST FLOOR OFFICE AREA.
- 2. NEW SUSPENDED METAL GRID THROUGHOUT SECOND FLOOR AT 9'-6" A.F.F. IN FINISHED AREA.
- 3. CONTRACTOR TO FIELD COORDINATE LOCATION OF ALL ELECTRICAL FIXTURES, MECHANICAL DIFFUSERS & RETURN GRILLE WITH TRADES. LOCATE NIGHT LIGHT AS SHOWN.
- 4. CONTRACTOR TO INSTALL NEW WALL MOUNTED EXIT LIGHT/SIGN AND INTERIOR & EXTERIOR EMERGENCY WALL PACKS AS INDICATED.
- 5. CONTRACTOR TO PROVIDE BOTH NEW 2'x2' LITHONIA, LED LAY-IN LIGHT FIXTURES THROUGHOUT FINISHED OFFICE SPACE & NEW 2'x4' LITHONIA, LED HIGH BAY LIGHT FIXTURES THROUGHOUT UNFINISHED STORAGE/WAREHOUSE SPACE. CONTRACTOR TO VERIFY QUANTITY AND CONFIRM LOCATIONS. ADDITIONALLY, CONTRACTOR

TO CONFIRM BOTH THE "ALLOWABLE" WATTS AND "INSTALLED" WATTS OF THE NEW SPECIFIED LIGHT

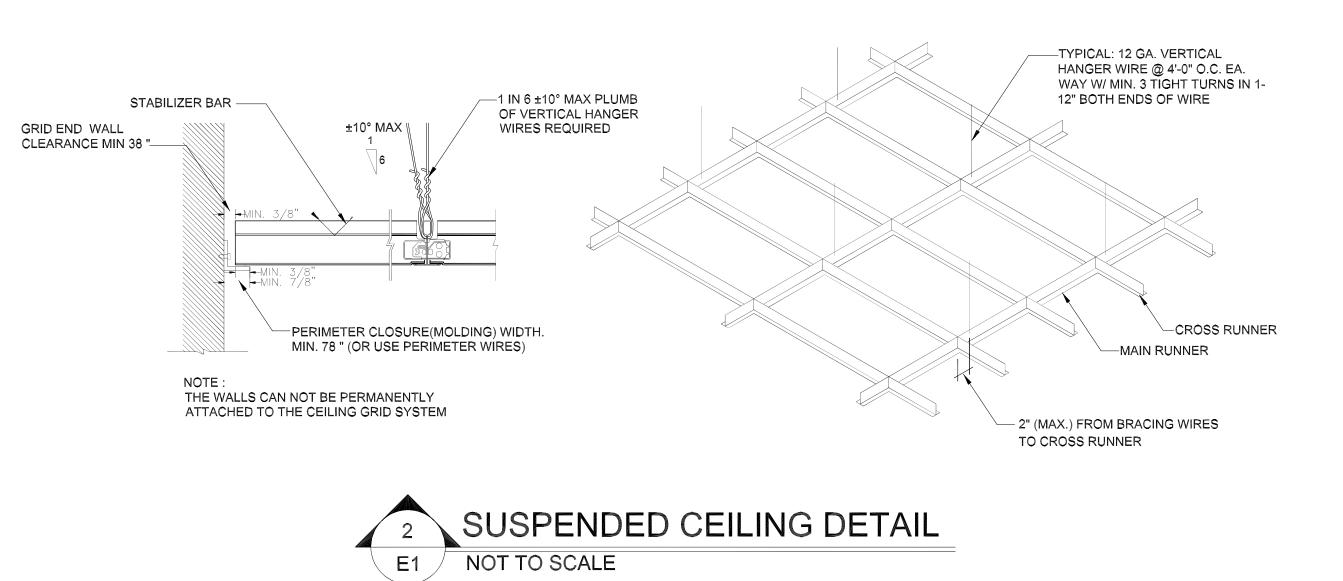
- FIXTURES PER 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION, SECTION C405.

 a. FIVE (5) NEW 2'x2' LED TROFFERS, 18 WATTS EACH

 THEREFORE TOTAL WATTAGE: 90.0 WATTS- UNIT PANEL 'B'.

 b. TWENTY-SIX (26) NEW 2'x4' LED TROFFERS, 36 WATTS EACH
- THEREFORE TOTAL WATTAGE: 936,0 WATTS- UNIT PANEL 'B'
 c. FIFTEEN (15) NEW 12" DIA. LED HIGH BAY, 150 WATTS EACH
 THEREFORE TOTAL WATTAGE: 2,250,0 WATTS- UNIT PANEL 'A'.
- 6. CONTRACTOR TO PROVIDE NEW EXHAUST FAN IN BATHROOM.
- 7. ALL EXTERIOR LIGHTING ON DUSK-TO-DAWN PHOTOCELL.

LIGHTING FIXTURE SCHEDULE											
FIXTURE MARK	MANUFACTURER	MODEL	VOLTAG E	LAMP	DESCRIPTION						
А	LITHONIA	2VTL2 (LP940)	120 V	(2)36 W LED	2X2 LAY-IN TROFFER 2 LAMP-STEEL FRAME						
В	LITHONIA	2x4 IBE 18LM M-VOLT 40K	120 V	136 W LED	2X4 LAY-IN TROFFER 2 LAMP-STEEL FRAME						
XEM	SURE-LITE	APC-7-R-SQ	120 V	LED INCLUDED	COMBINATION EM/EXIT LIGHT FIXTURE w/ BATTERY BACK-UP						
WP	LUMARK	WPMLED25	120 V	80 W LED	REAR & SIDE WALL PACKS: 11'-0" MOUNTING HGT. FRONT WALL PACKS: 14'-0" MOUNTING HGT.						
EM	SURE-LITE	AP-2SQ-LED	120 V	LED- 8567L/3500K	TWO HEAD EMERGENCY LIGHT WALL MOUNTED						
EM1	SURE-LITE	CU2-LED	120 V	LED INCLUDED	EMERGENCY LIGHT WALL MOUNTED						
С	COLUMBIA LIGHTING	CRB-50MM-EDU	120V-277 V	150 W LED	12" DIA. DIE-CAST ALUMINUM: CHAIN/ CABLE SUPPORT FROM STRUCTURE						







NEW 2'x 2' LED LAY-IN TROFFER IN NEW SUSPENDED METAL GRID



NEW BATHROOM EXHAUST FAN

NEW 2'x2' METAL SUSPENDED GRID
AT 9'-6" A.F.F.



NEW EMERGENCY WALL PACK-2 LAMPS: RECHARGEABLE TYPE

LIGHT WITH BATTERY BACK-UP

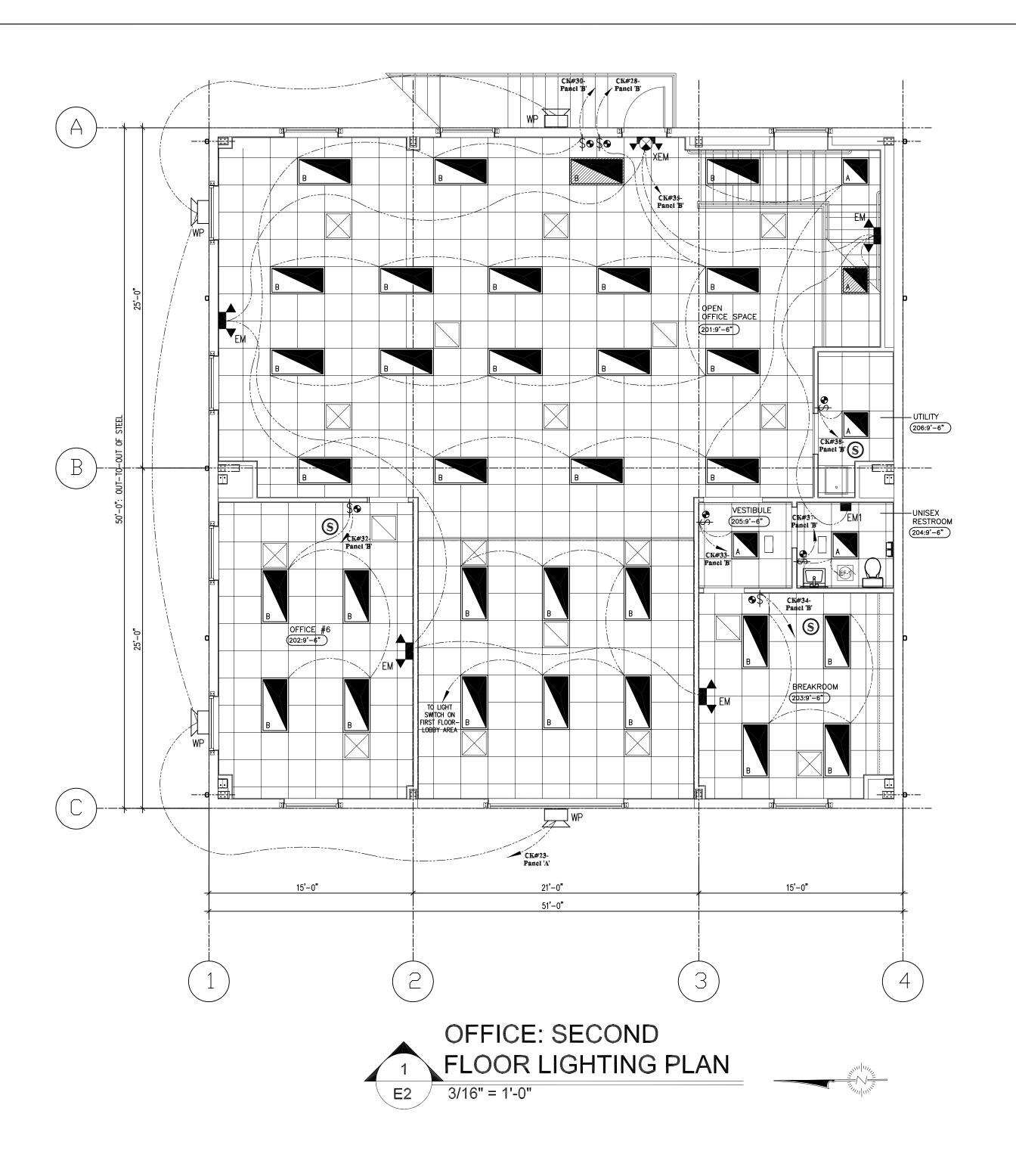
NEW I HEAD EMERGENCY

NEW LED EXTERIOR WALL PACK: WALL MOUNTED

NEW CEILING MOUNTED SMOKE DETECTOR

NEW WALL SWITCH OCCUPANCY SENSOR

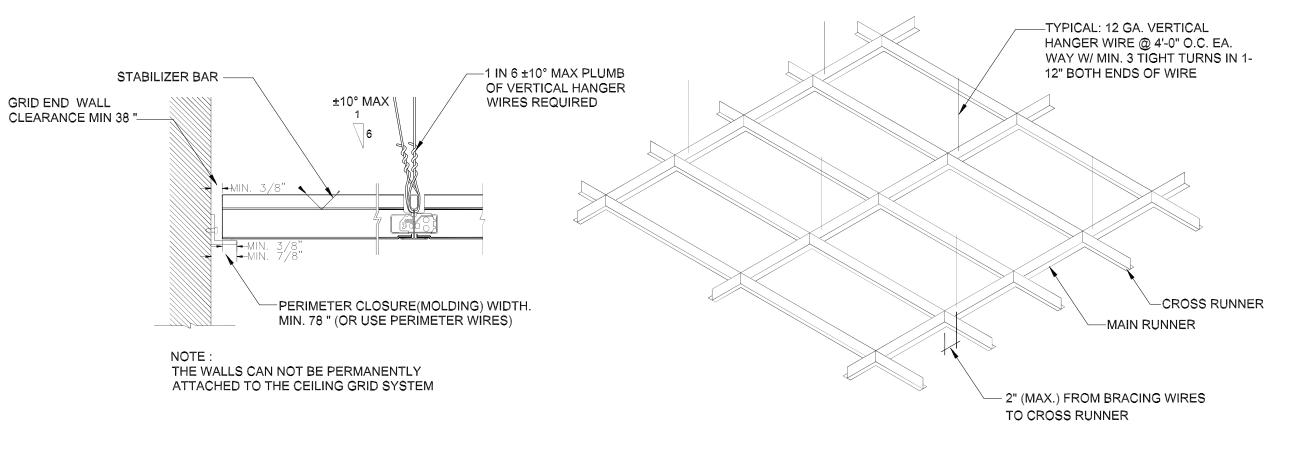




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- 2. NEW SUSPENDED METAL GRID THROUGHOUT SECOND FLOOR AT 9'-6" A.F.F. IN FINISHED AREA.
- 3. CONTRACTOR TO FIELD COORDINATE LOCATION OF ALL ELECTRICAL FIXTURES, MECHANICAL
- DIFFUSERS & RETURN GRILLE WITH TRADES. LOCATE NIGHT LIGHT AS SHOWN.
- 4. CONTRACTOR TO INSTALL NEW WALL MOUNTED EXIT LIGHT/SIGN AND INTERIOR & EXTERIOR EMERGENCY WALL PACKS AS INDICATED.
- 5. CONTRACTOR TO PROVIDE BOTH NEW 2'x2' LITHONIA, LED LAY-IN LIGHT FIXTURES THROUGHOUT FINISHED
- OFFICE SPACE & NEW 2'x4' LITHONIA, LED HIGH BAY LIGHT FIXTURES THROUGHOUT UNFINISHED STORAGE/ WAREHOUSE SPACE. CONTRACTOR TO VERIFY QUANTITY AND CONFIRM LOCATIONS. ADDITIONALLY, CONTRACTOR TO CONFIRM BOTH THE "ALLOWABLE" WATTS AND "INSTALLED" WATTS OF THE NEW SPECIFIED LIGHT
- FIXTURES PER 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION, SECTION C405. a. FIVE (5) NEW 2'x2' LED TROFFERS, 18 WATTS EACH
 - THEREFORE TOTAL WATTAGE: 90.0 WATTS- UNIT PANEL 'B'. b. THIRTY-TWO (32) NEW 2'x4' LED TROFFERS, 36 WATTS EACH THEREFORE TOTAL WATTAGE: 1,152,0 WATTS- UNIT PANEL 'B'
- 6. CONTRACTOR TO PROVIDE NEW EXHAUST FAN IN BATHROOM.
- 7. ALL EXTERIOR LIGHTING ON DUSK-TO-DAWN PHOTOCELL.

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EM	SURE-LITE	AP-2SQ-LED	120 V	LED- 8567L/3500K	TWO HEAD EMERGENCY LIGHT WALL MOUNTED					
EM1	SURE-LITE	CU2-LED	120 V	LED INCLUDED	EMERGENCY LIGHT WALL MOUNTED					

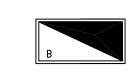




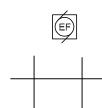




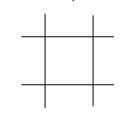
NEW 2'x 2' LED LAY-IN TROFFER IN NEW SUSPENDED METAL GRID



NEW 2'x 4' LED LAY-IN TROFFER IN NEW SUSPENDED METAL GRID



NEW BATHROOM EXHAUST FAN



NEW 2'x2' METAL SUSPENDED GRID AT 9'-6" A.F.F.



NEW EMERGENCY WALL PACK-2 LAMPS: RECHARGEABLE TYPE



NEW I HEAD EMERGENCY LIGHT WITH BATTERY BACK-UP



NEW LED EXTERIOR WALL PACK: WALL MOUNTED



NEW CEILING MOUNTED SMOKE DETECTOR



NEW WALL SWITCH OCCUPANCY SENSOR



ARCWORKS, LLC architecture / interiors / plann

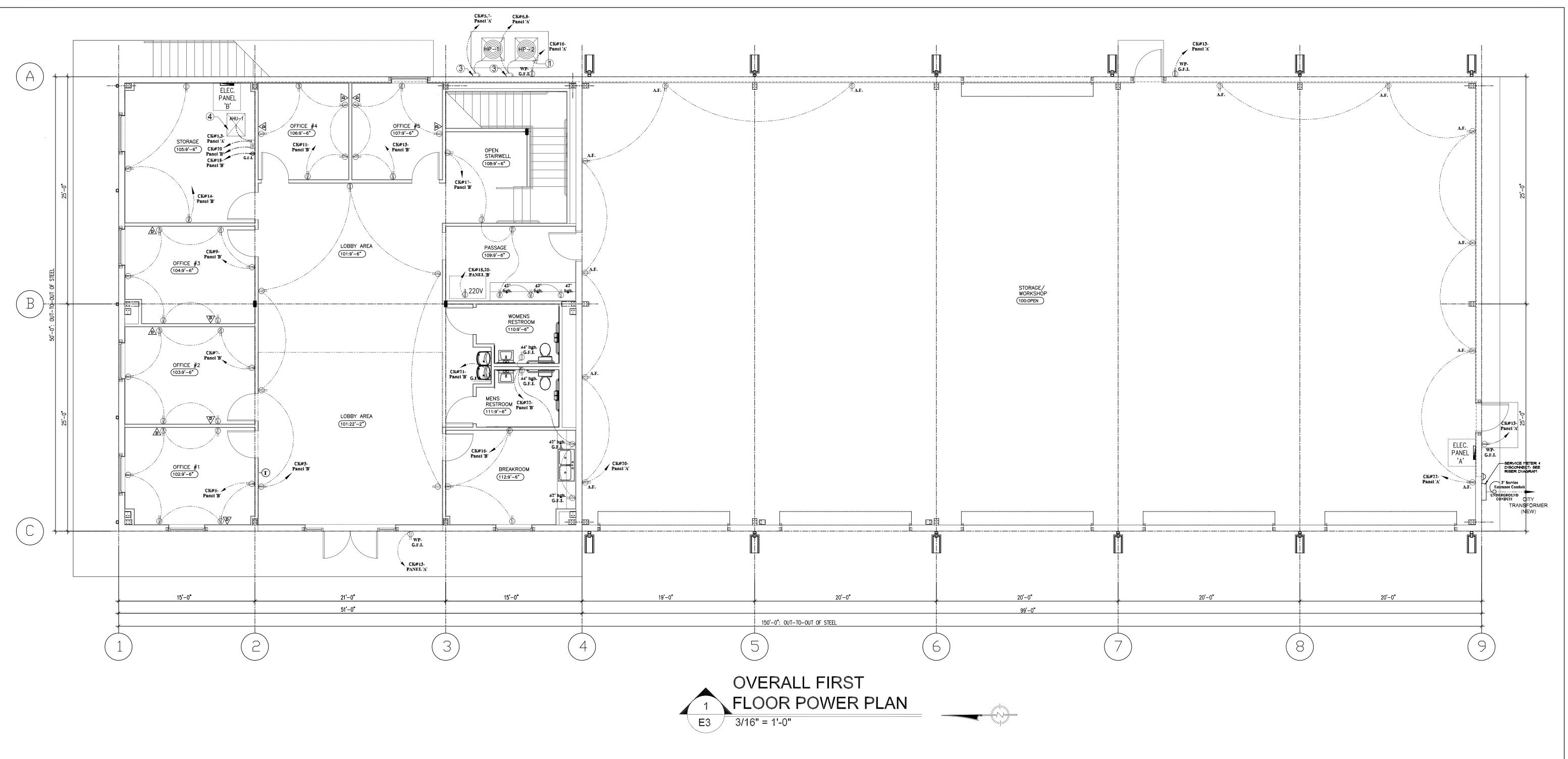
100 Madison Street, Thomasville, GA 31792 1.229.403.7425

TROY ANTHONY STENCEL FLORIDA ARCHITECT #AR99221

SIMQUE CONSTRUCTION, I

205 N Broad Street, Bainbridge, GA 31817

ONE CONST BUILDING SUBMITTAL PHASE DATE DRAWN CHECK PERMIT 26 Jun TAS TAS REVISIONS # DATE REMARK\$ PROJECT NUMBER AW24021 PHASE RELEASE FOR PERMIT SHEET TITLE NEW OFFICE SECOND FLOOR LIGHTING PLAN, DETAILS & NOTES



ELECTRICAL NOTES:

A. MISCELLANEOUS:

1. ALL ELECTRICAL WORK TO BE BY NATIONAL ELECTRICAL CODE (NFPA 70 - 2020 EDITION). PROVIDE RECEPTACLES AS NOTED ON POWER PLAN.

2. EXIT, EMERGENCY & NIGHT LIGHTS SHALL BE WIRED AHEAD OF ANY LOCAL SWITCHES.
PROVIDE LOCK TAB ON LIGHT CIRCUITS WHICH FEED POWER TO EXIT, EMERGENCY & NIGHT LIGHT FIXTURE.

3. PRIOR TO INSTALLATION OF SWITCHES & WIRING, CONTRACTOR SHALL COORDINATE SWITCH LEG WITH ELECTRICIAN. ALL SWITCHES SHALL BE RATED 20 AMPERE, 120V FOR CONTINUOUS OPERATION

5. NEW TYPICAL ELECTRICAL PANEL: PANEL 'A': 208Y/120YOLT, 3 PHASE, 600 AMPS WITH 42 SPACES- 4 WIRE:

SEE NEW ELECTRICAL LOAD CALCULATIONS AND PANEL 'B' LAYOUT SHEET ES.

6. WIRE GAUGE, INSULATION TYPE AND TEMPERATURE RATING AS WELL AS TYPE, SIZE AND CONSTRUCTION OF CONDUIT, MUST MEET OR EXCEED APPLICABLE SPECIFICATIONS OF LOCAL BUILDING CODES AND OF THE NATIONAL ELECTRICAL CODE (NFPA 70 - 2020 EDITION).

I NEW BUILDING SHALL INCLUDE MANUAL LIGHTING CONTROLS THAT MEET THE REQUIREMENTS OF SECTION C405.2.1.1, 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION.

8. INTERIOR LIGHTING CONTROLS- EACH AREA ENCLOSED BY FLOOR-TO-CEILING PARTITIONS SHALL HAVE AT LEAST ONE MANUAL CONTROL FOR THE LIGHTING SERVING THAT AREA. THE REQUIRED CONTROLS SHALL BE LOCATED WITHIN THE AREA SERVED BY THE CONTROLS.

9. WALL SWITCH OCCUPANCY SENSORS SHALL BE LOCATED IN OFFICE AND BATHROOM.- SEE SHT.

1/EI FOR LOCATIONS. ALL AUTOMATIC CONTROL DEVICES SHALL BE INSTALLED TO AUTOMATICALLY

TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE PER 2023 FBC
ENERGY CONSERVATION CODE, 8th EDITION, SECTION C405.2.2.2.

10. CONTROLS FOR AUTOMATIC LIGHTING SYSTEMS SHALL COMPLY WITH SECTION C408.3, LIGHTING SYSTEM FUNCTIONAL TESTING, PER 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION.

11. PER 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION, SECTION C405, THE TOTAL INTERIOR LIGHTING ALLOWANCE (WATTS) ACCORDING TO TABLE C405.5.2(1) USING THE BUILDING AREA METHOD IS 1,484.0 WATTS (OFFICE LPD: .82 W/ft2 x 1,810 ft2 = 1,484.0 WATTS). NEW LED LIGHTING AS SPECIFIED HAS A TOTAL INSTALLED WATTAGE OF 1,026.0 WATTS (5 TOTAL FIXTURES x 18 WATTS + 26 TOTAL FIXTURES x 36 WATTS = 1,026.0 WATTS.)

12. PROVIDE PAINTED AREA IN FRONT OF ELECTRICAL PANEL(S) WITH DIMENSIONED CLEARANCES COMPLIANT WITH ARTICLE 110/26 NEC. PAINT FLOOR AREA WITH YELLOW BACKGROUND WITH 3 IN. TO 4 IN, RED LETTERS INDICATING "ELECTRICAL SPACE ONLY NO-STORAGE". SEE DETAIL 2/E3.

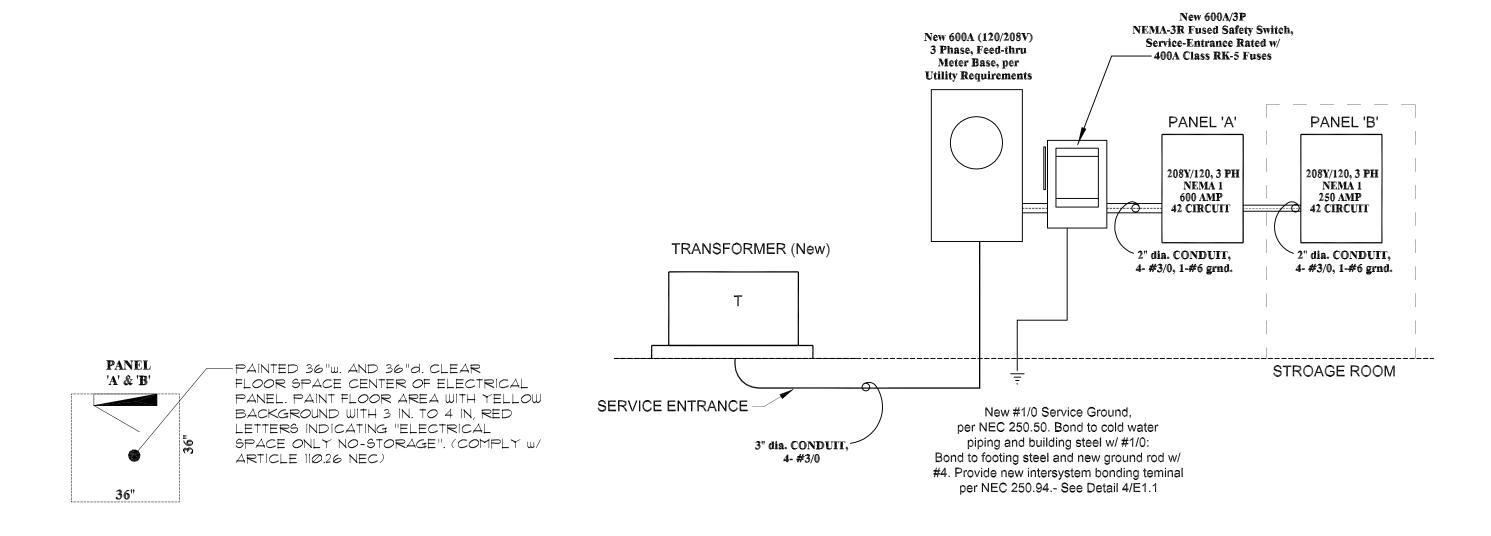
13. PROVIDE A 220-VOLT OUTLET IN PASSAGE AREA, RM. 109, FOR COPIER.

ELECTRICAL LEGEND:

- NEW 110Y ELECTRICAL DUPLEX OUTLET- HEIGHTS YARY
- $igoplus_{ ext{G.F.I.}}$ NEW 110Y ELECTRICAL DUPLEX OUTLET- HEIGHTS YARY
- SWITCH
 OCCUPANCY SENSORS
- JUNCTION BOX & DISCONNECT SWITCH
- (T)- LOCATE NEW HVAC THERMOSTAT
- J JUNCTION BOX

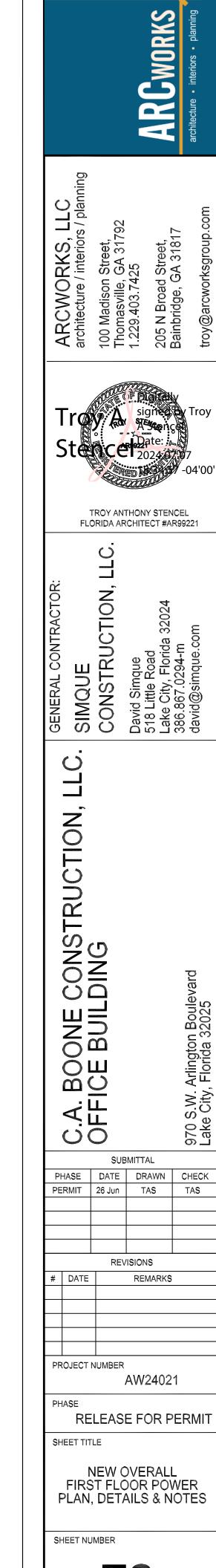
POWER PLAN NOTES:

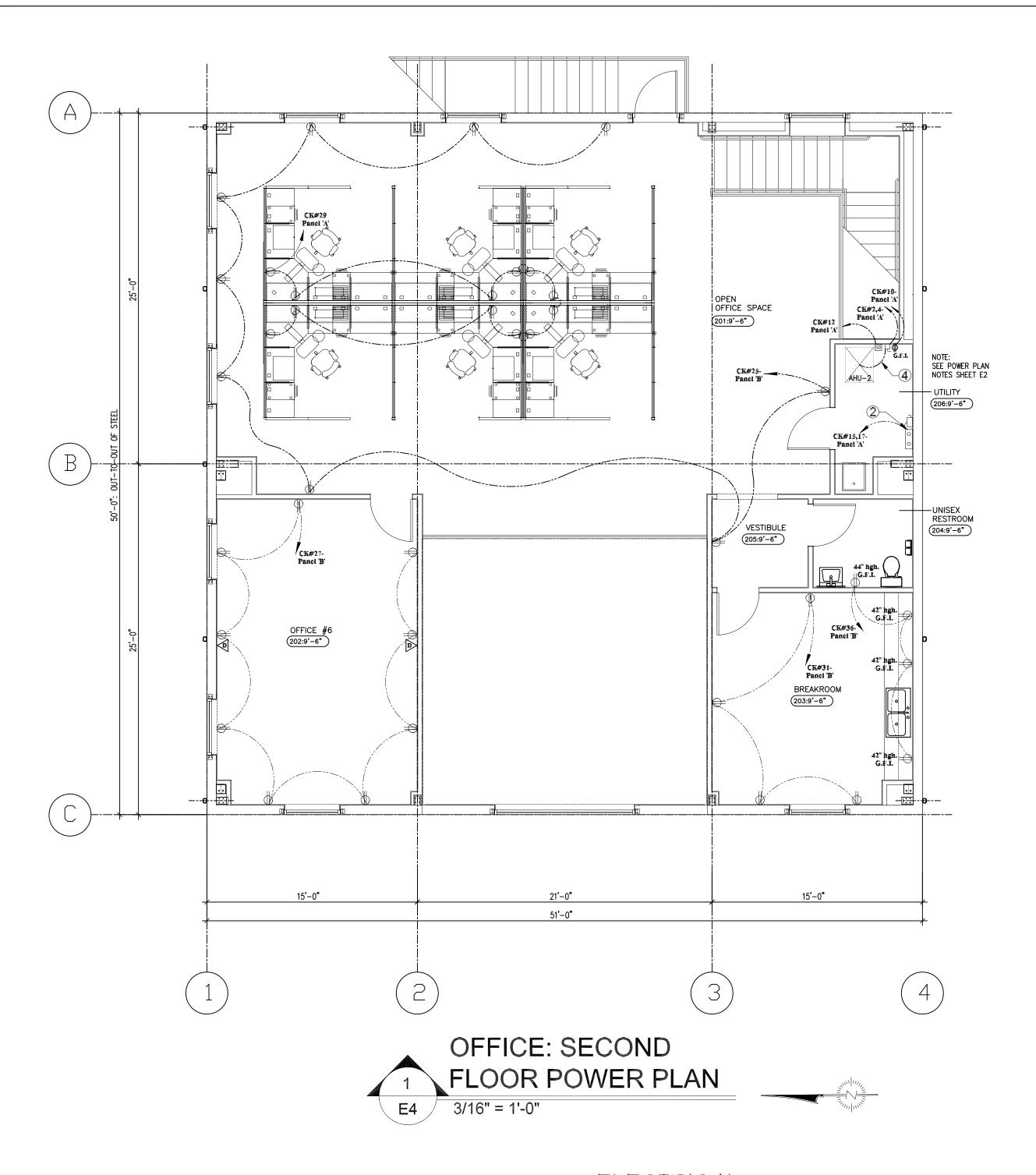
- 1 PROVIDE LOCKING COVER FOR RECEPTACLE.
- TWO 10 AWG THWN CU & ONE 10 AWG CU GRND IN 3/4" CONDUIT. PROVIDE 20A/1P MOLDED CASE SWITCH FOR DISCONNECT. CONNECT WATER HEATER.
- PROVIDE 20A/2P N.F. NEMA-3R SAFETY SWITCH w/ 3/4" CONDUITTWO (2) #14 & ONE (1) #14 GRND, TO PANEL.
- PROVIDE POWER/ CONTROL WIRING TO INDOOR UNIT PER MANUFACTURER'S REQUIREMENTS. INDOOR COOLING UNIT POWERED FROM OUTDOOR UNIT.











ELECTRICAL NOTES:

A. MISCELLANEOUS:

1. ALL ELECTRICAL WORK TO BE BY NATIONAL ELECTRICAL CODE (NFPA 70- 2020 EDITION). PROVIDE RECEPTACLES AS NOTED ON POWER PLAN.

2. EXIT, EMERGENCY 4 NIGHT LIGHTS SHALL BE WIRED AHEAD OF ANY LOCAL SWITCHES. PROVIDE LOCK TAB ON LIGHT CIRCUITS WHICH FEED POWER TO EXIT, EMERGENCY & NIGHT LIGHT FIXTURE.

3. PRIOR TO INSTALLATION OF SWITCHES & WIRING, CONTRACTOR SHALL COORDINATE SWITCH LEG WITH ELECTRICIAN. ALL SWITCHES SHALL BE RATED 20 AMPERE, 120V FOR CONTINUOUS

5. NEW TYPICAL ELECTRICAL PANEL: PANEL 'B': 208Y/120VOLT, 3 PHASE, 250 AMPS WITH 42 SPACES- 4 WIRE:

SEE NEW ELECTRICAL LOAD CALCULATIONS AND PANEL 'B' LAYOUT SHEET E5.

6. WIRE GAUGE, INSULATION TYPE AND TEMPERATURE RATING AS WELL AS TYPE, SIZE AND CONSTRUCTION OF CONDUIT, MUST MEET OR EXCEED APPLICABLE SPECIFICATIONS OF LOCAL BUILDING CODES AND OF THE NATIONAL ELECTRICAL CODE (NFPA 70- 2020 EDITION).

7 NEW BUILDING SHALL INCLUDE MANUAL LIGHTING CONTROLS THAT MEET THE REQUIREMENTS OF SECTION C4052.1.1, 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION.

8. INTERIOR LIGHTING CONTROLS- EACH AREA ENCLOSED BY FLOOR-TO-CEILING PARTITIONS SHALL HAVE AT LEAST ONE MANUAL CONTROL FOR THE LIGHTING SERVING THAT AREA. THE REQUIRED CONTROLS SHALL BE LOCATED WITHIN THE AREA SERVED BY THE CONTROLS.

9. WALL SWITCH OCCUPANCY SENSORS SHALL BE LOCATED IN OFFICE AND BATHROOM.- SEE SHT. 1/EI FOR LOCATIONS. ALL AUTOMATIC CONTROL DEVICES SHALL BE INSTALLED TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE PER 2023 FBC-ENERGY CONSERVATION CODE, 8th EDITION, SECTION C405.2.2.2.

10. CONTROLS FOR AUTOMATIC LIGHTING SYSTEMS SHALL COMPLY WITH SECTION C408.3, LIGHTING SYSTEM FUNCTIONAL TESTING, PER 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION.

11. PER 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION, SECTION C405, THE TOTAL INTERIOR LIGHTING ALLOWANCE (WATTS) ACCORDING TO TABLE C405.5.2(1) USING THE BUILDING AREA METHOD 16 1,390.0 WATTS (OFFICE LPD: .82 w/ft2 x 1.696 ft2= 1,390.0 WATTS). NEW LED LIGHTING AS SPECIFIED HAS A TOTAL INSTALLED WATTAGE OF 1,242.0 WATTS (5 TOTAL FIXTURES x 18 WATTS + 32 TOTAL FIXTURES × 36 WATTS= 1,242.0 WATTS.)

ELECTRICAL LEGEND:

- NEW 110V ELECTRICAL DUPLEX OUTLET- HEIGHTS VARY
- NEW 1107 ELECTRICAL DU G.F.I. OUTLET- HEIGHTS VARY NEW 110Y ELECTRICAL DUPLEX
- SWITCH OCCUPANCY SENSORS
- JUNCTION BOX & DISCONNECT SWITCH
- T- LOCATE NEW HVAC THERMOSTAT
- JUNCTION BOX





SIMQUE CONSTRUCTION, I

SUBMITTAL

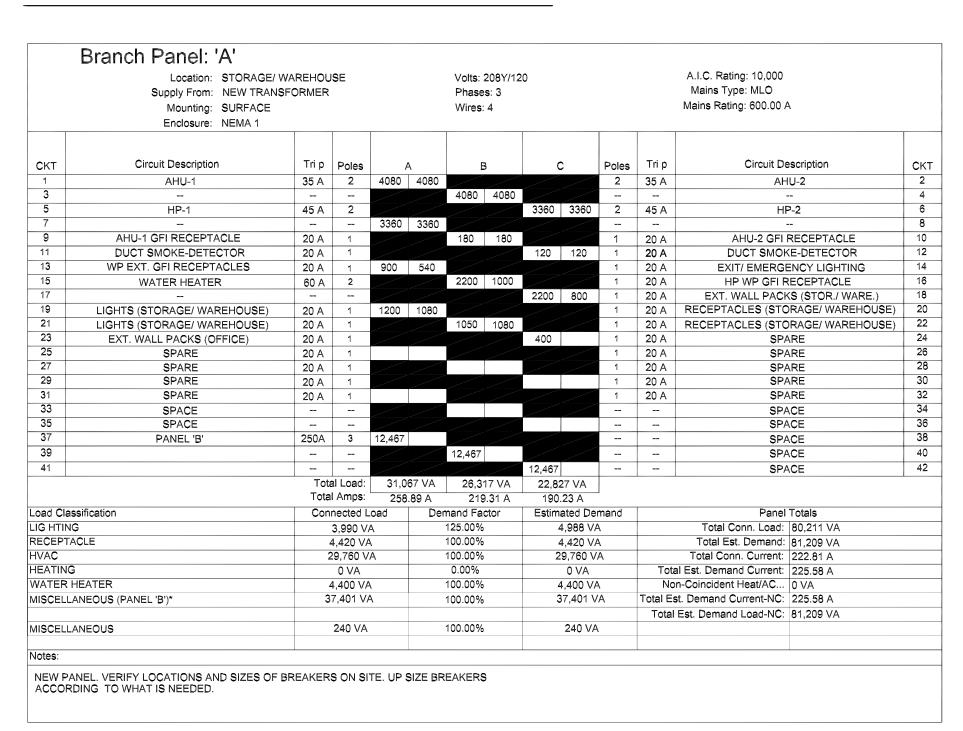
PHASE DATE DRAWN CHECK PERMIT 26 Jun TAS TAS # DATE REMARK\$

PROJECT NUMBER AW24021

PHASE RELEASE FOR PERMIT SHEET TITLE

NEW OFFICE SECOND FLOOR POWER PLAN, DETAILS & NOTES

NEW ELECTRICAL PANEL LAYOUT/LOAD CALCULATIONS:



	Location: STORAGE ROG Supply From: NEW TRANSFO Mounting: SURFACE Enclosure: NEMA 1	Volts: 208Y/120 Phases: 3 Wires: 4						A.I.C. Rating: 10,000 Mains Type: MLO Mains Rating: 250.00 A					
CKT	Circuit Description	Tri p	Poles	ļ	Ą	В			Poles	Tri p	Circuit De	escription	СКТ
1	LIGHTS (LOBBY AREA- 2nd FLR.)	20 A	1	1252	1252				1	20 A	LIGHTS (LOBBY	AREA- 1st FLR.)	2
3	RECEPTACLES (LOBBY AREA)	20 A	1			1080 315			1	20 A	LIGHTS (LOBBY	AREA @ COOLER)	4
5	RECEPTACLES (OFFICE #1)	20 A	1				1080	835	1	20 A	LIGHTS (OF	FICE #1 & #2)	6
7	RECEPTACLES (OFFICE #2)	20 A	1	1080	1252				1	20 A	LIGHTS (OFFIC	E #3 & STORAGE)	8
9	RECEPTACLES (OFFICE #3)	20 A	1			1080 835			1	20 A	LIGHTS (OFFIC	E #4 & OFFICE #5)	10
11	RECEPTACLES (OFFICE #4)	20 A	1				900	425	1	20 A	LIGHTS (B	REAKROOM)	12
13	RECEPTACLES (OFFICE #5)	20 A	1	900	540				1	20 A	RECEPTACL	ES (STORAGE)	14
15	LIGHTS (STAIRWELL & PASSAGE)	20 A	1			835 540			1	20 A	RECEPTACLE	S (BREAKROOM)	16
17	RECEPTACLES (STAIRWELL & PASSAGE)	20 A	1				1080	550	2	20 A	DEDICATED 220V RE	CEPTACLE (COPIER)	18
19	EXIT/ EMERGENCY LIGHTING	20 A	1	680	550								20
21	WATER COOLER *GFCI BREAKERS*	20 A	1			1000 1200			1	20 A	· · · · · · · · · · · · · · · · · · ·	RESTRM./ BREAKRM.)	22
23	MEN'S RESTROOM LIGHTS/ FAN	20 A	1				227	750	1	20 A		ENCY LIGHTING	24
25	RECEPTACLES (2nd FLR OPEN OFFICE)	20 A	1	1620	227				1	20 A	WOMEN'S RESTRO		26
27	RECEPTACLES (2nd FLR OFFICE #6)	20 A	1			1620 2090			1	20 A	`	R OPEN OFFICE)	28
29	RECEPTACLES (2nd FLR CUBICLES)	20 A	1				2160	1565	1	20 A		R OPEN OFFICE)	30
31 33	RECEPTACLES (2nd FLR BREAKROOM)	20 A	1	720	835	10- 00-			1	20 A		LR OFFICE #6)	32 34
35	LIGHTS (2nd FLR VESTIBULE)	20 A	1			105 835		1222	1	20 A	LIGHTS (2nd FLR	,	36
37	EXIT/ EMERGENCY LIGHTING (2nd FLR.)	20 A	1	207	105		720	1200	1	20 A	RECEPTACLES (2nd		38
39	UNISEX RESTROOM LIGHTS/ FAN SPARE	20 A	1	227	105				,	20 A	,	FLR UTILITY)	40
41	SPARE	20 A							1	20 A 20 A	\$PA \$PA		42
41	SPARE	20 A	1	11.0	10.1/4	44.505.1/4			1	20 A	5PA	KE	42
			al Load: Il Amps:	,	40 VA	11,535 VA	, ,	2 VA					
ood Cl	assification		nected L		37 A 96.13 A Demand Factor			95.77 A Estimated Demand			Panel	Tatala	
.IG HTI			12.536 V			125.00%		5.670 VA			Total Conn. Load:		
_	ENCY LIGHTING		2,150 VA			100.00%		2.150 VA			Total Est. Demand:	' ' ' '	
	TACLES		7.900 VA			100.00%		7.900 V			Total Conn. Current:		
	NG FOUNTAIN (Water Cooler)		1,000 VA			100.00%		1,000 VA		Tota	al Est. Demand Current:		
ZIVIIVIVI	110 1 001117/111 (Water Cooler)		1,000 17	•		100.0070	'	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	`			100.007	
/ISCEI	LANEOUS (LIGHTING/ EXHAUST FANS)		681 VA			100.00%		681 VA		Total Es	t. Demand Current-NC:	103.89 A	
										Total	Est. Demand Load-NC:	37,401.0 VA	
Votes:													

TYPICAL ELECTRICAL LOAD **CALCULATIONS (PANEL 'A'):**

INTERIOR LIGHTING		= 2,250 VA
EMERGENCY LIGHTING		= 540 VA
EXTERIOR WALL PACKS		= 1,200 VA
GEN. PURPOSE RECEPTACLES	NEC 220.14(1) 180 VA	12 = 2,160 VA
GFCI BREAKER RECEPTACLES	()	= 2,260 VA
WATER HEATER	4,400 VA	= 4,400 VA
MISCELLANEOUS (HVAC SMOKE)		2 = 240 VA
HVAC		
5 TON AIR HANDLER UNITS	8,160 VA	2 = 16,320 VA
5 TON HEAT PUMP UNITS	6,720 VA	2 = 13,440 VA
PANEL 'B' (DEMAND LOAD)		= 37,401 VA
TOTAL LOAD		= 80,211.0 VA
DEMAND AMPS	@ 360V/3PH	= <u>222.81</u> A
NEW SERVICE SIZE (PANEL 'A')		= 600 AMP @ 360V/3P

TYPICAL ELECTRICAL LOAD **CALCULATIONS (PANEL 'B'):**

INTERIOR LIGHTING EMERGENCY LIGHTING	NEC 220.12	3 VA/\$F (x 1.25)	3,506 SF	= 12,536 VA = 2,150 VA
GEN. PURPOSE RECEPTACLES GFCI BREAKER RECEPTACLES	NEC 220.14(1)	180 VA	80	= 14,400 VA = 2,400 VA
220 VOLT DEDICATED RECEPTACLES			1	= 1,100 VA
EXHAUST FANS DRINKING FOUNTAIN (Water Cooler)		1,000 VA	3	= 681 VA = 1,000 VA
TOTAL LOAD DEMAND AMPS		@ 360V/3PH		= <u>34,267.0 VA</u> = <u>95.19 A</u>
NEW SERVICE SIZE (UNIT PANEL 'B')			= 250	AMP @ 360V/3PH

ELECTRICAL SPECIFICATIONS:

ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE WITH LOCAL AMENDMENTS, INCLUDING STATE, COUNTY AND CITY ELECTRICAL CODES, AND AUTHORITIES HAVING JURISDICTION.

ALL EQUIPMENT SHALL BE NEW AND U.L. APPROVED, UNLESS SPECIFICALLY NOTED OTHERWISE

ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. IT IS NOT WITHIN THE SCOPE OF DRAWINGS TO SHOW ALL THE NECESSARY BENDS, OFFSETS, PULLBOXES AND OBSTRUCTIONS. SIZE AND LOCATION OF EQUIPMENT AND WIRING ARE SHOWN TO SCALE WHERE POSSIBLE, BUT MAY BE DISTORTED FOR CLARITY ON THE DRAWINGS. FINAL LOCATIONS OF OUTLETS AND EQUIPMENT SHALL BE SHOWN IN ENLARGED DETAILS OR AS APPROVED BY THE ARCHITECT. INSTALL NEW WORK TO CONFORM TO THE STRUCTURE, MAINTAIN HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

PRIOR TO SUBMITTING A BID. CAREFULLY EXAMINE THE SITE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS WITHIN THE SCOPE OF WORK. BY THE ACT OF SUBMITTING A BID, IT SHALL BE UNDERSTOOD THAT SUCH AN EXAMINATION HAS BEEN COMPLETED, AND THAT ALLOWANCES FOR THE EXISTING CONDITIONS HAVE BEEN MADE.

VERIFY LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL DRAWINGS, ALLOW FOR OVERHEAD PIPES, DUCTS, AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE. WHEN LOCATING BOXES AND OUTLETS, CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO THE

COORDINATE WITH ALL TRADES, INCLUDING ELECTRICAL REFERENCES ON THE ARCHITECTURAL DRAWINGS. FURNISH AND INSTALL WIRING FOR EQUIPMENT PROVIDED BY OTHERS. "WIRING" INCLUDES FURNISHING AND INSTALLING CONDUIT, CONDUCTORS, BOXES, AND DISCONNECTS (AS SPECIFIED) AND MAKING FINAL CONNECTIONS.

SECURE AND PAY ALL PERMITS AND FEES NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL

CUT AND PATCH EXISTING CONSTRUCTION WORK REQUIRED FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP, AND FINISH AND SHALL MATCH ALL SURROUNDING WORK.

AFTER COMPLETION OF WORK UNDER THIS SECTION, CLEAN UP RESULTANT DEBRIS FROM THIS WORK AND REMOVE FROM SITE. CONDITIONS MUST BE "BROOM-CLEAN"

LIGHTING FIXTURES

FURNISH AND INSTALL LIGHTING FIXTURES AS SHOWN ON THE ELECTRICAL AND ARCHITECTURAL DRAWINGS. ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR FIXTURE LOCATION. ELECTRICAL DRAWINGS TAKE PRECEDENCE FOR FIXTURE TYPE AND VOLTAGE. COORDINATE FIXTURE HOUSINGS AND FRIMS WITH CEILING TYPE. PROVIDE REQUIRED ACCESSORIES FOR CEILING TYPES.

FIXTURES WITH EMERGENCY BATTERY PACK SHALL BE SIMILAR TO BODINE #B50. COORDINATE WITH FIXTURE MANUFACTURER FOR BATTERY PACK MOUNTING. PROVIDE UNSWITCHED SOURCE OF POWER TO EMERGENCY BALLAST OF SWITCHABLE EMERGENCY LIGHTS.

DISTRIBUTION EQUIPMENT

ALL PANELBOARDS SHALL BE ENCLOSED TYPE, FLUSH OR SURFACE MOUNTED AS INDICATED, IN STEEL CABINETS CODE GAUGE, WITH STEEL TRIM CONCEALED HINGES, DOOR-IN-DOOR AND FLUSH TYPE LOCKS, ALL KEYED ALIKE, MANUFACTURED BY SQUARE D, CUTLER HAMMER, OR GENERAL ELECTRIC.

ALL BUSSES, INCLUDING NEUTRAL AND GROUND BUS, SHALL BE MINIMUM 98% CONDUCTIVITY, HARD DRAWN COPPER, SILVER OR TIN-PLATED JOINTS AND SIZED ON THE BASIS OF 100 AMPERES PER INCH

PANELBOARDS SHALL BE EQUIPPED WITH BOLT-ON MOLDED CASE CIRCUIT BREAKERS OF THE TYPE, NUMBER OF POLES, TRIP SIZES, AS SHOWN IN DRAWINGS AND INTERRUPTING CAPACITY AS PER BUILDING

CABINETS SHALL BE OF SUFFICIENT SIZE TO ALLOW A GUTTER SPACE OF AT LEAST 6" ON SIDES, TOP AND

BACK BOXES SHALL BE CONSTRUCTED OF CODE GAUGE SHEET STEEL. GALVANIZED TRIMS SHALL BE

CROSS-SECTIONAL AREA. BUSSES SHALL BE ARRANGED FOR SEQUENCING PHASING.

PRIMED FOR FINISH PAINTING BY OTHERS. DOORS AND TRIM SHALL EACH BE IN ONE PIECE SO DESIGNATED THAT DOORS WILL OPEN 180 DEGREES. DOORS SHALL BE FASTENED TO TRIMS WITH SEMI-CONCEALED, 5 KNUCKLE STEEL WITH NONFERROUS

PINS. TRIMS SHALL BE FASTENED TO BACK BOXES BY SCREWS.

A CIRCUIT DIRECTORY WITH METAL FRAME AND GLASSINE PAGE SHALL BE PROVIDED ON THE INSIDE OF REQUIREMPS.N COMPLETION OF THE PROJECT, THE DIRECTORY SHALL BE TYPEWRITTEN, INDICATING THE SERVICE CONTROLLED BY EACH CIRCUIT FOR NEW AND EXISTING PANELBOARDS.

SROUP ALL CONDUCTORS WITHIN PANEL ENCLOSURE. DO NOT SPLICE CONDUCTORS WITHIN PANEL

CLEAN, VACUUM, AND TIGHTEN ALL CONNECTORS AND CONNECTIONS IN EXISTING ELECTRICAL EQUIPMENT

DISCONNECT SWITCHES SHALL BE QMQB FUSED OR NON-FUSED (AS NOTED OR REQUIRED) NEMA HEAVY DUTY EXTERNALLY OPERATED WHERE NOT FURNISHED WITH STARTING EQUIPMENT AND AT ALL OTHER POINTS REQUIRED BY CODE. FUSES SHALL BE BUSSMAN OR GOULD CURRENT LIMITING TYPE, MINIMUM 100,000 AIC. CIRCUIT BREAKER MINIMUM 10,000 AIC FOR 120/208V SYSTEM AND MINIMUM 14,000 AIC FOR 277/480V SYSTEM, UNO.

PROVIDE NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT. NAMEPLATES TO BE ENGRAVED THREE LAYER LAMINATED PLASTIC, WHITE LETTERS ON A BLACK BACKGROUND FOR EQUIPMENT 250 VOLTS AND UNDER, AND WHITE LETTERS ON A RED BACKGROUND FOR EQUIPMENT OVER 250 VOLTS.

REUSED.

WEB OR JOIST SPACE.

DUPLEX RECEPTACLES FOR WALL AND FLOOR CONVENIENCE OUTLETS SHALL BE 2 POLE, 3 WIRE, GROUNDED. 20 AMPERE, NEMA CONFIGURATION 5-20R. COLOR SHALL BE BASE BUILDING STANDARD.

FLUSH FIRE-RATED POKE THROUGH DEVICE SHALL HAVE A DUPLEX RECEPTACLE RATED FOR 20 AMPERES WITH TWO (2) FLUSH CATEGORY 5e JACKS WITH A 3" CORE HOLE SIZE, AND A SOLID BRASS FACEPLATE.

SINGLE POLE SWITCHES SHALL BE 20 AMPERE BASE BUILDING STANDARD AS APPROVED BY ARCHITECT. DEVICE SHALL BE MOUNTED UNDER COMMON COVERPLATE WHERE MULTIPLE DEVICES ARE INDICATED.

TOGGLE SWITCH WITH OVERLOAD PROTECTION AND INDICATOR LIGHT FOR EXHAUST FANS, SIMILAR TO REVENE RADLEY CATALOG #600-TAX4 HEATER ELEMENT.

ALL WIRE AND CABLE SHALL BE INSTALLED IN CONDUIT. CONCEAL CONDUIT IN FINISHED AREAS AND PROTECTED IN UNFINISHED AREAS.

ELECTRICAL METALLIC TUBING (EMT) WITH SET-SCREW COUPLINGS AND FITTINGS, MAY BE USED IN FINISHED AREAS. EMT CAN ALSO BE USED IN UNFINISHED AREAS WHERE IT IS PROTECTED BY A COLUMN

PROVIDE RIGID GALVANIZED STEEL CONDUIT IN AREAS WHERE CONDUIT IS SUSCEPTIBLE TO PHYSICAL

SCHEDULE 40 PVC CONDUIT SHALL BE INSTALLED BELOW GRADE. THE USE OF SCHEDULE 40 PVC ELBOWS AND VOLUME STUB-UPS ARE NOT PERMITTED. TRANSITION BETWEEN BELOW GRADE PVC TO RIGID GALVANIZED STEEL CONDUIT PRIOR TO STUB-UP INTO BUILDING.

CUT CONDUIT END SQUARE, REAM SMOOTH. PAINT MALE THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT TO RACEWAY COUPLINGS.

PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY SHALL BE INSTALLED WITHIN 3" OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1" FROM PIPE COVER.

ROMAGE: RACEWAYS PARALLEL AND/OR PERPENDICULAR TO BUILDING WALLS.

SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS.

MAKE FINAL CONNECTIONS TO MOTORS, VIBRATING EQUIPMENT AND WATER HEATERS WITH LIQUID-TIGHT FMC (FLEXIBLE METALLIC CONDUIT) AND CONNECTORS. DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION.

MAIN TELEPHONE CONDUIT FROM EQUIPMENT ROOM TO BASE BUILDING TELEPHONE CLOSET SHALL HAVE WIDE SWEEP BENDS.

CONDUITS ROUTED TO ROOF SHALL BE ROUTED ALONG MECHANICAL PIPING RUNS AND SHALL BE AS APPROVED BY BUILDING OWNER.

INDICATE, USING MARKING PEN, PANELBOARD AND CIRCUIT DESIGNATIONS ON ALL CONDUIT HOMERUNS AND JUNCTION BOXES.

CONDUCTORS

ALL WIRE AND CABLE SHALL BE COPPER, SIZES AS INDICATED ON THE DRAWINGS. MINIMUM CONDUCTOR SIZE SHALL BE #12 FOR POWER AND LIGHTING CIRCUITS AND #14 FOR SIGNAL AND CONTROL CIRCUITS. ALL #8 AWG WIRE AND LARGER SHALL BE STRANDED. ALL #10 AWG WIRE AND SMALLER SHALL BE SOLID. INSULATION SHALL BE TYPE THWN/THHN, 600 VOLTS. TYPE THWN/THHN INSULATION SHALL BE USED FOR ALL BRANCH CIRCUIT WIRING. BRANCH AND FEEDER ABOVE GROUND SHALL BE THHN (90°F). BRANCH AND FEEDER BELOW GROUND SHALL BE THWN (75°F).

RECESSED LIGHTING FIXTURES IN HUNG CEILING SHALL BE SUPPLIED WITH FLEXIBLE METALLIC CONDUIT, IN LENGTHS NOT EXCEEDING 6 FEET FROM ADJACENT JUNCTION BOXES.

FACTORY COLOR CODING FOR WIRE AND CABLE SHALL BE AS FOLLOWS: 120/208V - BLACK, RED, BLUE, WHITE FOR PHASES A, B, C AND NEUTRAL, RESPECTIVELY. 277/480V - BROWN, ORANGE, YELLOW, WHITE FOR PHASES A, B, C AND NEUTRAL, RESPECTIVELY.

PROVIDE GREEN INSULATED GROUNDING CONDUCTORS IN ALL CONDUIT AND RACEWAY SYSTEMS.

LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. IN RACEWAY OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED, FURNISH FISH WIRE.

PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32°F (0°C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUIT AS REQUIRED BY CODE.

LIGHTING AND POWER WIRING FOR CIRCUITS LESS THAN 100 FEET SHALL BE #12 AWG, UNO. WIRE SIZES SHALL BE #10 FOR CIRCUITS GREATER THAN 100 FEET. NOT MORE THAN THREE LIGHTING OR CONVENIENCE OUTLET CIRCUITS IN ONE CONDUIT UNO.

ALL WIRES SHALL BE IDENTIFIED BY CIRCUIT NUMBERS IN ALL CABINETS, BOXES, WIRING TROUGH, OTHER ENCLOSURES, AT ALL SPLICES, TERMINATIONS POINTS, ETC.

OUTLET, JUNCTION AND PULL BOXES

ALL OUTLET BOXES SHALL BE CODE GAUGE, HOT DIPPED GALVANIZED STAMPED STEEL.

OUTLET BOXES FOR RECEPTACLES AND SWITCHES IN DRY WALL PARTITION SHALL BE 4" SQUARE, 1 -1/2" MINIMUM DEPTH AND SHALL BE FITTED WITH SQUARE CORNERED DEVICES COVERS AND DEPTH EQUAL TO THE DRY WALL THICKNESS. SECTIONAL BOXES ARE NOT ACCEPTABLE.

JUNCTION AND PULL BOXES SHALL NOT BE EXPOSED IN FINISHED SPACE. WHERE NECESSARY, REROUTE RACEWAY OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE. FOR EMPTY RACEWAY RUNS PROVIDE PULL BOXES EVERY 100 FEET AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER

SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.

LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOORS INSTALL SWITCH, INSIDE OPPOSITE HINGE. VERIFY FINAL DOOR HINGE LOCATION IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.

OUTLET AND JUNCTION BOXES SHALL NOT BE MOUNTED BACK-TO-BACK. ASSURE 6" MINIMUM SEPARATION IN NON-RATED WALLS. IN RATED WALLS, INSTALL BOXES IN SEPARATE STUD BAYS WITH A 24" MINIMUM SEPARATION.

GROUND ALL CONDUITS, CABINETS, MOTORS, PANELS, AND OTHER EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ALL PROVISIONS OF THE NATIONAL ELECTRICAL CODE, OR CODES THAT MAY APPLY.

PROVIDE GROUND WIRE FOR ALL BRANCH CIRCUITING, MINIMUM #12, FOR EACH CIRCUIT. THIS DOES NOT RELIEVE THE REQUIREMENT FOR GROUNDING THE RACEWAY SYSTEM AND OUTLET BOXES OF I.G. TYPE

PROVIDE INSULATED GROUNDING CONDUCTORS IN ALL CONDUITS. GROUND WIRE TO BE SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122.

SECURE ALL SUPPORTS TO BUILDING STRUCTURE AS REQUIRED. DO NOT SUPPORT FROM CEILING HANGERS. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FEET APART. SUPPORT RACEWAY RISERS AT EACH FLOOR LEVEL. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.

SUPPORT PANEL, JUNCTION, AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAY.

ALL ANCHORS, FASTENERS, CLAMPS, ETC., SHALL BE MADE OF STEEL AND SHALL NOT CONTAIN ANY LEAD, WOOD, PLASTIC, ETC.

PROVIDE WATERPROOF SLEEVES, AS APPROVED FOR ROOF, FLOOR, AND WALL PENETRATIONS. ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR PARTITIONS SHALL BE SEALED TO PREVENT THE SPREAD OF SMOKE AND FIRE. THE FIRE RATING OF THE PENETRATION SEAL SHALL BE AT LEAST THAT OF THE FLOOR OR WALL INTO WHICH IT IS INSTALLED.

THE FOAM SEALANT SHALL MEET ALL OF THE FIRE TEST AND HOSE STREAM TEST REQUIREMENTS OF ASTM E-119 -73 AND SHALL BE U.L. CLASSIFIED AS A WALL OPENING PROTECTIVE DEVICE.

TELEPHONE, SIGNAL, DATA AND COMMUNICATION SYSTEM

PROVIDE ALL OUTLETS AS SHOWN ON PLANS. WALL OUTLETS SHALL BE 4" SQUARE BOX.

MINIMUM CONDUIT SIZE IS 3/4" C, UNO. PROVIDE CONDUIT FROM TELE/DATA OUTLET BOX TO ACCESSIBLE CEILING LOCATION WITH A MINIMUM OF 6" STUBBED OUT AND TERMINATE WITH INSULATED THROAT CONNECTOR. PROVIDE TIED OFF PULL WIRE

HVAC CONTROLS

MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL CONTROL WIRING INCLUDING CONDUITS, RELAYS, TIME CLOCK, CONTROL TRANSFORMERS, ETC., FOR ALL HVAC EQUIPMENT, UNLESS SPECIFIED OTHERWISE.

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ONLY POWER WIRING WITH DISCONNECTS, AS SHOWN IN ELECTRICAL DRAWINGS.

TEST AND GUARANTEES

UPON COMPLETION OF ELECTRICAL WORK, TEST FOR GROUNDS AND SHORTS, TO INSURE PROPER OPERATION OF ELECTRICAL EQUIPMENT. REPAIR OR REPLACE FAULTY EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

GUARANTEE FOR ONE YEAR AFTER FINAL ACCEPTANCE BY OWNER OF ALL WORKMANSHIP AND MATERIALS FURNISHED.

EXISTING FIRE ALARM EQUIPMENT (PULL STATION, SMOKE DETECTORS, WARDEN STATIONS, ETC) SHALL REMAIN OR RELOCATE TO NEARBY LOCATIONS TO ACCOMMODATE NEW CONDITIONS. ALL WORK SHALL BE COORDINATED WITH BUILDING AUTHORITIES. FINAL CONNECTIONS TO BUILDING FIRE ALARM SYSTEM TO BE DONE WITH BUILDING APPROVED CONTRACTOR. INSTALL NEW FIRE ALARM DEVICES AS INDICATED ON THE DRAWINGS AND AS REQUIRED TO PROVIDE A COMPLIANT, OPERATIONAL SYSTEM.

ALL WORK AFFECTING THE EXISTING BUILDING ALARM SYSTEM MUST BE PERFORMED IN STRICT ACCORDANCE WITH BUILDING RULES AND REGULATIONS. ALL DEVICES SHALL MEET ADA CRITERIA. REPLACE EXISTING DEVICES IF THEY DO NOT MEET ADA CRITERIA.

PROVIDE NEW DEVICES AS REQUIRED TO MATCH BASE BUILDING SYSTEM.



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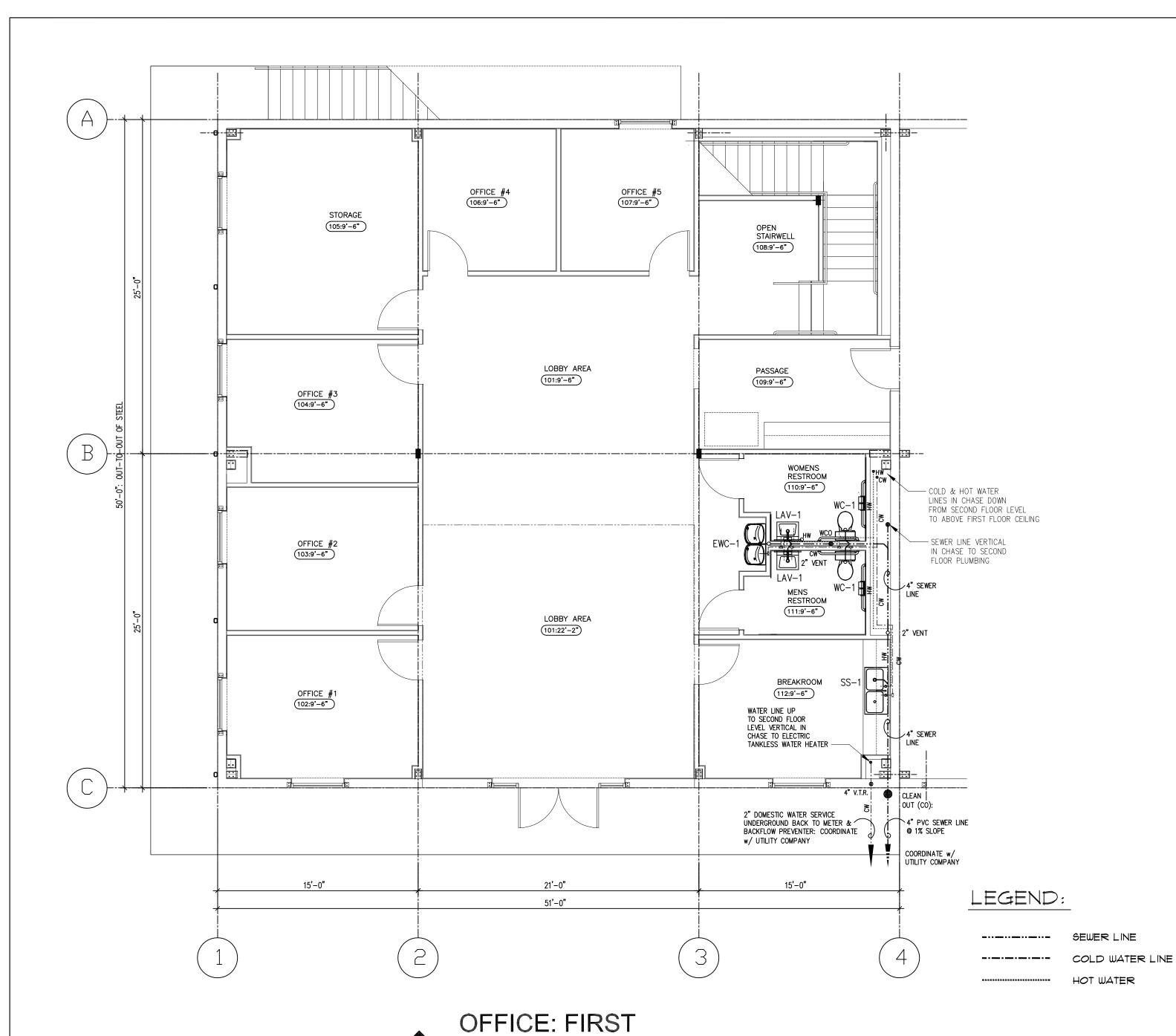
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ELECTRICAL SCHEDULES LOAD CALCULATIONS & SPECIFICATIONS

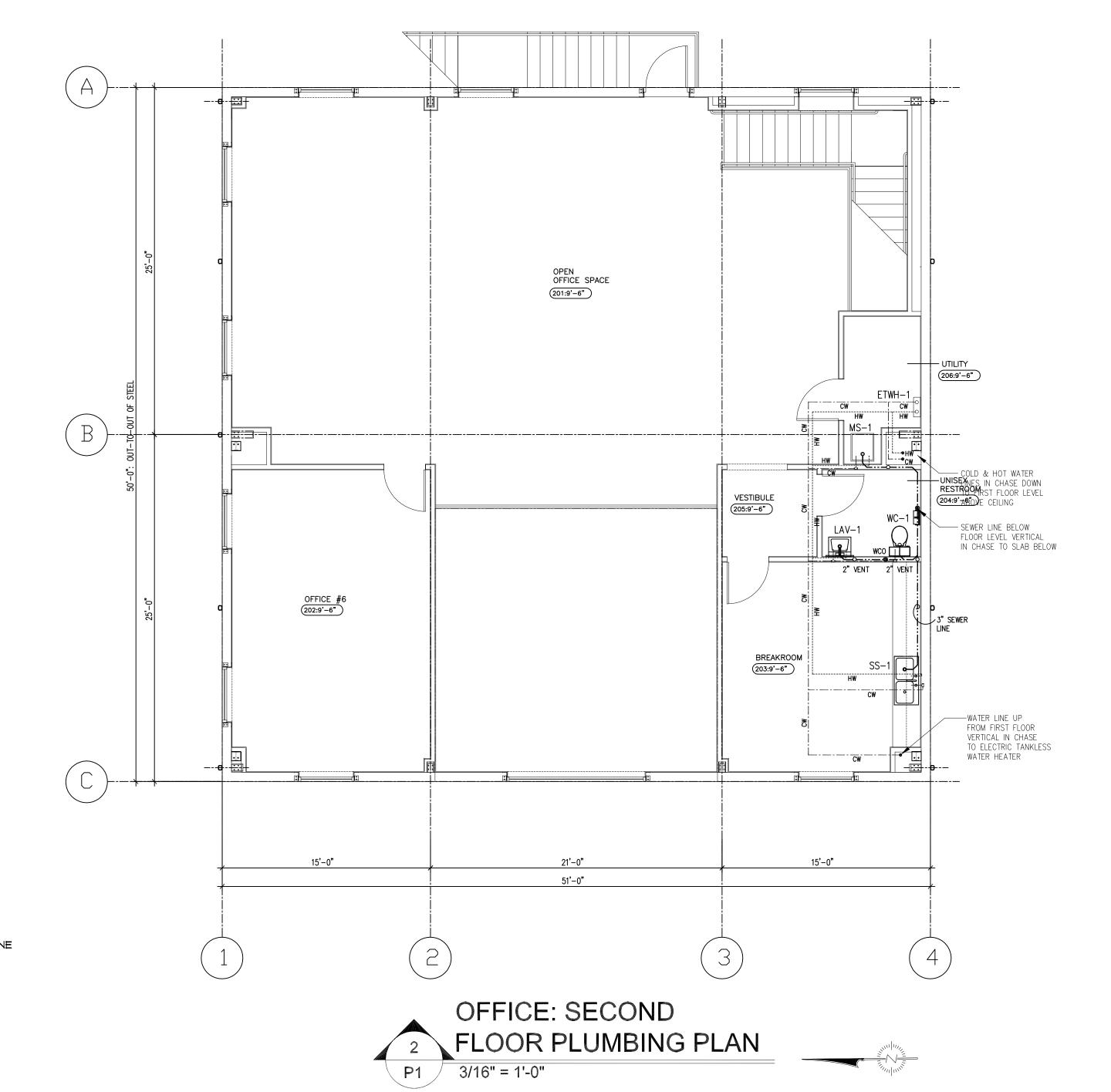
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FLOOR PLUMBING PLAN

P1 / 3/16" = 1'-0"



PLUMBING GENERAL NOTES:

A. MISCELLANEOUS:

1. NEW PLUMBING IS TO BE PROVIDED FOR BOTH SANITARY SEWER & DOMESTIC WATER LINES. CONTRACTOR TO FIELD VERIFY LOCATION OF EACH RESPECTIVE LINE. ALL NEW PLUMBING NEEDS TO ACCOMMODATE ONE (1) NEW H/C STALL # (1) LAVATORIES IN EACH OF THE MENS' & WOMENS' RESTROOMS. ADDITIONALLY, NEW PLUMBING TO ACCOMODATE AN ELECTRIC WATER COOLER, TANKLESS WATER HEATER, BREAKROOM SINKS AND MOP SINK. CONTRACTOR TO REVIEW NEW FLOOR PLANS & FIELD VERIFY PLUMBING LOCATIONS.

2. CONTRACTOR TO PROVIDE AN A.O. SMITH, PROLINE, ELECTRIC TANKLESS 4-CHAMBER WATER HEATER, *C4LA-22ØE. CONTRACTOR TO INSTALL TANKLESS WATER HEATER WALL-MOUNTED, VERTICAL IN UTILITY ROOM, RM. 206, AS INDICATED ON PLANS. INSTALL TANKLESS WATER HEATER PER MFR.'S SPECIFICATIONS & REQUIREMENTS.

3. CONTRACTOR TO PROVIDE NEW SERVICE SINK EQUAVALENT TO MUSTEE 19F, 20"x24", 18 GALLON CAPACITY, WITH A THIRTY-FOUR INCH (34") HEIGHT A.F.F.- WHITE. CONTRACTOR TO INCLUDE WALL GUARDS ON THREE SIDES & SINK MOUNTED SERVICE SINK FAUCET.

4. HOT WATER PIPE INSULATION WITH 1" WALL THICKNESS IS REQUIRED. CONTRACTOR TO PROVIDE PIPE INSULATION EQUAL TO OWENS CORNING 1" THICK, HINGED WITH SELF SEALING LAP FIBERGLASS PIPE INSULATION, MODEL #122570.

5. WATER TEMPERATURE LIMITING DEVICE(S) FOR TEMPERED WATER IS REQUIRED.

6. CONTRACTOR TO INSTALL FLUSH HANDLE ON NEW TOILET FIXTURES - HANDLES TO BE LOCATED ON OPPOSITE SIDE FROM ANY DRYWALL SIDEWALLS (AWAY FROM SIDEWALLS).

1. PROVIDE ADA COMPLIANT COVERS ON SINK WATER SUPPLIES AND DRAINS.

8. ALL DOMESTIC WATER SUPPLY LINES SHALL BE COPPER.

9. PROVIDE ADA FAUCET TYPES AS FOLLOWS: A. MANUALLY OPERATED WITH HANDLES, NO WIRING, OR B. AUTOMATIC INFRARED WHICH IS HARD WIRED.

B. WATER & PLUMBING:

10. CONTRACTOR TO FIELD VERIFY LOCATION OF BACK FLOW PREVENTER & METER AS PROVIDE BY LAKE CITY UTILITY COMPANY - COORDINATE.

11. CONTRACTOR TO FIELD VERIFY LOCATION OF NEW 2" MAIN WATER LINE (W) AS INDICATED ON PLUMBING PLAN. CONTRACTOR TO PROVIDE REQUIRED WATER VALVE-COORDINATE WITH UTILITY COMPANY.

12. CONTRACTOR TO FIELD VERIFY LOCATION OF NEW 4" SEWER LINE AS INDICATED ON PLUMBING PLAN. CONTRACTOR TO PROVIDE REQUIRED CLEAN OUTS- COORDINATE LOCATIONS WITH UTILITY COMPANY.

13. CONTRACTOR TO COORDINATE WITH CIVIL ENGINEER IF NEW 6" PVC LINES AT EACH DOWNSPOUT ARE TO BE LOCATED UNDERGROUND AND AWAY FROM BUILDING.

	WATER HEATER SCHEDULE										
UNIT TYPE MARK		DESCRIPTION	MANUFACTURER	MODEL	STORAGE CAPACITY	HEATING INPUT (KW)	TEMP. SET POINT	ACTIVATION (GPM)	NOTES/ACCESSORIES		
ETWH	1	ELECTRIC TANKLESS WATER HEATER	A.O. SMITH	C4LA-220E	Unlimited	22	120	0.6	ELECTRIC, FOUR (4) CHAMBER TANKLESS WATER HEATER WALL MOUNTED VERTICALLY- VERIFY MFR.'S INSTALLATION REQUIREMENTS & CLEARANCES		

FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET PER SECTION 604.6 OF THE DOJ-ADA STANDARDS FOR ACCESSIBLE DESIGN, 2010 ED.

	DESCRIPTION	NAMUF./ MODEL AND REMARKS		DESCRIPTION	NAMUF./ MODEL AND REMARKS
1	36" GRAB BAR	BRADLEY- SERIES #812 SST. 1-1/2"DIA. (or see UFG Specs.)	6	HANDICAP WATER CLOSET	AMERICAN STANDARD- MODEL No. 2467.100
2	42" GRAB BAR	BRADLEY- SERIES #812 SST. 1-1/2"DIA. (or see UFG Specs)	7	LAVATORY	AMERICAN STANDARD- MODEL No. 0355.012
3	TOILET PAPER DISPENSER	BOBRICK- MODEL No. B-4200 (Stainless Steel)	8	SOAP DISPENSER	BOBRICK- MODEL No. B-26607
4	18"x30" MIRROR	BRADLEY- MODEL 781-1830 (18"x30")- (or see UFG Specs)	9	SANITARY NAPKIN DISPOSAL	BOBRICK- MODEL No. B-270 (Stainless Steel)
5	PAPER TOWEL DISPENSER	BOBRICK-MODEL No. 3944-52 (C-Fold Stainless Steel)			

	PLUMBING FIXTURE SCHEDULE												
MADIZ	FIVELIDE		ROUGH-IN	SIZE (INCHE	ES)	REMARKS							
MARK	FIXTURE	HW	CW	WASTE	VENT	INLIVIATING							
WC-1	WATER CLOSET		1/2	3	2								
LAV-1	LAVATORY	1/2	1/2	1 1/2	2								
SS-1	STAINLESS	1/2	1/2	1 1/2	2								
	STEEL SINK												
EWC-1	WATER COOLER		1/2	3	2								
MS-1	MOP SINK	1/2	1/2	3	2								

1. CONTRACTOR TO CONFIRM PIPE SIZING WITH INDIVIDUAL MANUFACTURER'S REQUIREMENTS.

PLUMBING FIXTURE SCHEDULE								
MARK	DESCRIPTION	MANUFACTURER	MODEL	NOTES				
EWC-1	WATER COOLER	ELKAY		BI-LEVEL, ADA COMPLIANT WATER COOLER WITH FRONT AND SIDE BUTTON OPERATION, FILT. & REFRIG., INCLUDING BOTTLE FILLER. MOUNTING HGT. PER ADA CODE REQUIREMENTS.				
LAV-1	· · · · · · · · · · · · · · · · · ·	AMERICAN STANDARD	0355.012	'LUCERNE' BASIN, 4" (102mm) CENTERS, 15" x 10" x 6-1/2" (381mm x 254mm x 165mm) DEEP BOWL, WALL HUNG, VITREOUS CHINA, SPLASH BACK, FRONT OVERFLOW, SELF-DRAINING DECK WITH WALL HANGER. PROVIDE WITH WATTS LFMMV THERMOSTATIC MIXING VALVE AND SET OUTLET TEMPERATURE TO 100° F. PROVIDE WITH AMERICAN STANDARD 5502.175 MODEL FAUCET WITH POLISHED CHROME FINISH, INSTALL PER ADA REQUIREMENTS. PROVIDE WITH LAVGUARD BY TRUEBRO				
SS-1	STAINLESS STEEL SINK	ELKAY	DSE233222	DAYTON 33" DROPOIN DOUBLE BASIN STAINLESS STEEL KITCHEN SINK w/ DRAIN & FAUCET.				
WC-1		AMERICAN STANDARD	2467.100	AMERICAN STANDARD, CADET FLOWISE RIGHT HEIGHT ELONGATED PRESSURE ASSISTED TOILE 1.1 GPF, WHITE, 2467.100.				
MS-1	MOP SINK	MUSTEE	#19CFP	20"w. x 24"d.x 35"h. WHITE FREE-STANDING POLYPROPYLENE UTILITY SINK WITH DRAIN & FAUCET W/ HEAVY GAUGE STEEL LEGS. 13" DEEP LEAK PROOF 1 1/2" INTEGRAL MOLDED DRAIN.				

I. CONTRACTOR TO OBTAIN MANUFACTURER'S DATA ON ALL EQUIPMENT SPECIFICALLY THE DIMENSIONS WHICH MAY AFFECT INSTALLATION. USE THIS DATA TO COORDINATE PROPER SERVICE CHARACTERISTICS, ENTRY LOCATIONS, ETC. AND TO INSURE MINIMUM CLEARANCES ARE MAINTAINED.

2. ALL SHUT-OFF VALVES MUST BE ACCESSIBLE.

TROY ANTHONY STENCEL

FLORIDA ARCHITECT #AR99221

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PROJECT NUMBER

AW24021 RELEASE FOR PERMIT

SHEET TITLE **NEW OFFICE**

PLUMBING PLANS, SCHEDULES & NOTÉS

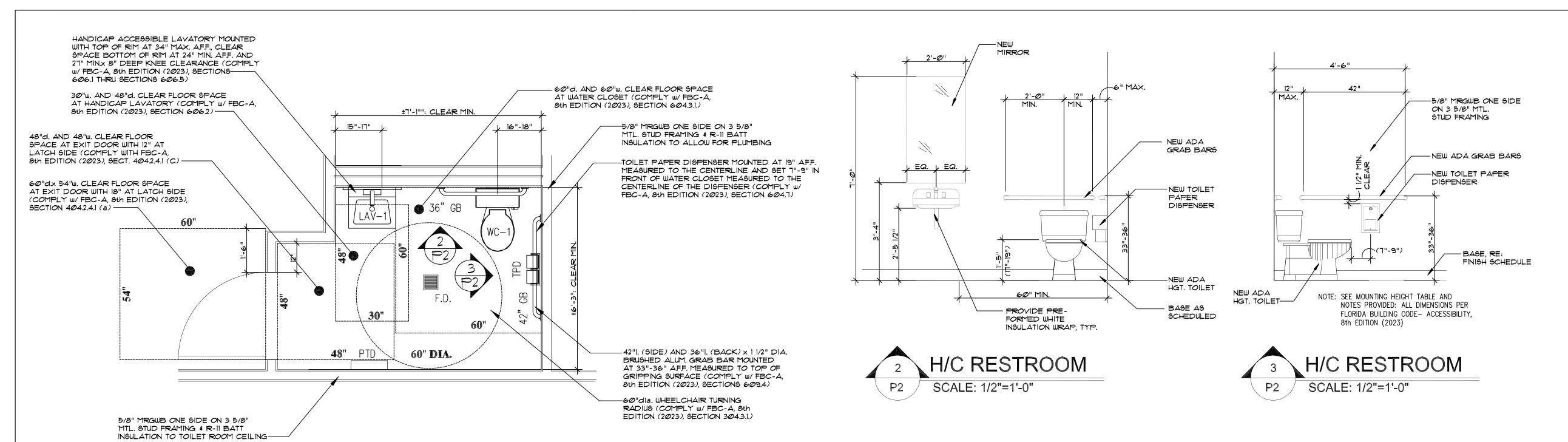




TABLE:

SCHEDULE OF MOUNTING HEIGHTS									
ITEM	HEIGHTS	NOTES	REMARKS						
WALL HUNG LAVATORIES	34" MAX.	1, 2	FROM FIN. FLR. TO TOP OF LAV. RIM						
MIRRORS	40" MAX.	5	FROM FIN. FLR. TO BOTTOM OF MIRROR						
GRAB BARS	33"-36"	4, 6	FROM FIN. FLR. TO TOP OF GRIPPING SURFACE						
TOILET PAPER HOLDERS	19"	3	FROM FIN. FLR. TO CENTERLINE						
TOWEL DISPENSER/ WASTE RECEPTACLES	59 1/2"		FROM FIN. FLR. TO TOP OF UNIT						
FIRE EXTINGUISHERS	48"		FROM FIN. FLR. TO TOP OF CABINET PULL						

NOTES:

1. EXCEPT DESIGNATED HANDICAP UNITS, PROVIDE KNEE CLEARANCE THAT IS AT LEAST 27" HGH., 30" WIDE & 19" DEEP SHALL BE PROVIDED UNDERNEATH SINKS. 2. SET HANDICAP LAVATORIES AT 27" CLEAR FROM FIN. FLOOR TO BOTTOM OF LAVATORY: PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE FINISH FLOOR TO BOTTOM OF LAVATORY APRON.

3. SET TOILET PAPER DISPENSER 7 INCHES (MIN.) TO 9 INCHES (MAX.) IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER PER FBC-ACCESSIBILITY, 8th EDITION (2023), SECTION 604.7- DISPENSERS.

4. SET GRAB BARS 33 INCHES (MIN.) TO 36 INCHES (MAX.) ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURACE PER FBC-ACCESSIBILITY, 8th EDITION (2023), SECTION 609.4- POSITION OF GRAB BARS.

5. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE

6. GRAB BARS SHALL BE DESIGNED TO RESIST A SINGLE CONCENTRATED LOAD OF 250 LBS. PER FBC- BUILDING, 8th EDITION (2023), SECTION 1607.8.2.

PLUMBING SPECIFICATIONS:

1.1 SUMMARY OF WORK

- 1. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
- ALL WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE 2023 FLORIDA PLUMBING CODE (EIGHT EDITION), ALL LOCAL CODES, AND ALL OTHER REGULATIONS GOVERNING WORK OF THIS NATURE.
- 3. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
- 4. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER OR ARCHITECT.
- 1.2 DOMESTIC WATER SUPPLY PIPING
- 1. UNDERGROUND: PROVIDE TYPE "K" SOFT DRAWN COPPER TUBING WITH BRAZED
- ABOVE GROUND: ALL PIPING SHALL BE COPPER TUBING ASTM B 88 TYPE L, HARD DRAWN OR SCHEDULE 40 CPVC.
 - FITTINGS: ANSI/ASME B16.18, CAST BRASS, OR ANSI ASME B16.22, WROUGHT COPPER OR ASTM F438 FOR SCHEDULE 40.
- B. JOINTS: ANSI/ASTM B32 SOLDER GRADE 95TA OR AWS A5.8 BCuP-2 BRAZING ALLOY OR ASTM F438 FOR SCHEDULE 40.
- 3. ALL HOT WATER PIPING 1 1/4" DIAMETER AND LESS SHALL HAVE 1" FIBERGLASS INSULATION. ALL HOT WATER PIPING 1-1/2" AND GREATER SHALL HAVE 2" FIBERGLASS INSULATION.
- 4. ALL COLD WATER PIPING TO BE INSULATED WITH 1" FOAM INSULATION.
- SHUTOFF VALVES, WITH UNIONS, SHALL BE PROVIDED FOR SERVICE TO EACH PLUMBING FIXTURE OR FOOD SERVICE EQUIPMENT ITEM TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. VALVES SHALL BE EQUAL TO JENKINS #902-T BALL VALVE, CHROME-FINISHED BRONZE, TEFLON SEATS AND PACKING, 400LB. W.O.G., SOLDER END.
- PROVIDE WATER HAMMER ARRESTORS AT EACH FIXTURE OR GROUP OF FIXTURES AS
- PROVIDE THERMOSTATIC MIXING VALVES SET AT 110 DEGREES FAHRENHEIT AT EACH LAVATORY, HAND WASH SINK, AND SINK ACCESSIBLE TO THE PUBLIC.
- 8. NO DOMESTIC HOT WATER HIGHER THEN 140 DEGREES FAHRENHEIT SHALL BE PERMITTED WITHIN CPVC PIPING OR DRAINED TO PVC SANITARY PIPING.
- CPVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.
- 1.3 SANITARY/STORM DRAINAGE AND VENT PIPING
- ABOVE GRADE: ALL PIPING SHALL BE CAST IRON ASTM A74 WEIGHT WITH CAST IRON FITTINGS, JOINTS HUB-AND-SPIGOT, CISPI HSN COMPRESSION TYPE WITH ASTM C 564

- NEOPRENE GASKETS OR PVC ASTM D2665 SCHEDULE 40 WITH PVC FITTINGS, JOINTS HUB-AND-SPIGOT WITH SOLVENT WELDS.
- D2665 SCHEDULE 40 DWV WITH PVC FITTINGS, JOINTS HUB-AND-SPIGOT WITH

- 5. DRAINAGE PIPING 2" SIZE AND SMALLER SHALL RUN AT A UNIFORM GRADE OF AT LEAST 1/4" PER FOOT, AND PIPING LARGER THAN 2" SHALL BE RUN AT A GRADE OF NO LESS THAN 1/8" PER FOOT.
- 6. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO FIXTURES.

1.4 PENETRATIONS

ALL STUB-INS AND/OR SLAB OR WALL PENETRATIONS TO BE PER INTERNATIONAL PLUMBING CODE. ALL PIPING PENETRATIONS OF BUILDING FOUNDATIONS OR FOOTINGS SHALL BE SLEEVED.

1.5 PIPE SUPPORTS

- 1. ABOVE GRADE: ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE AND PREFORMED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE AS SPECIFIED IN CHAPTER 8 OF THE INTERNATIONAL PLUMBING CODE.
- SURFACE TO INSURE SOLID BEARING OF PIPE FOR ENTIRE LENGTH.
- A. INTERIOR: THE PIPE SHALL BE INSTALLED (UNLESS OTHERWISE SPECIFIED) A MINIMUM OF 4 INCHES BELOW THE BOTTOM OF THE SLAB AND SHALL NOT BE IN ANY DIRECT CONTACT WITH THE CONCRETE AT ANY POINT.
- EXTERIOR: THE WATER PIPE SHALL HAVE A MINIMUM OF 42" OF COVER AND THE SANITARY WASTE PIPE SHALL HAVE A MINIMUM OF 24" OF COVER.

1.6 PIPE INSULATION

STORM WATER PIPING. PROVIDE 1" PREFORMED FIBERGLASS, ASJ/SS-11, FLAME 25, SMOKE DEVELOPED 50, ASTM C-547. FOR CONDENSATE PIPING PROVIDE 1/2" THICK INSULATION OF SAME CHARACTERISTICS AS LISTED FOR EQUAL TO SELF ADHESIVE ARMSTRONG 2000 WITH K FACTOR OF 0.27 AT 75

- BELOW GRADE: ALL PIPING SHALL BE CAST IRON ASTM A74 SERVICE WEIGHT WITH CAST IRON FITTINGS, JOINTS ASTM C 564 WITH NEOPRENE GASKETS OR PVC ASTM
- 3. PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.
- 4. DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG RADIUS FITTINGS.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING THROUGH THE ROOF.
- 8. ALL VENTS SHALL BE INSTALLED A MINIMUM OF TEN FEET FROM EQUIPMENT OUTSIDE AIR INTAKES.

- 2. BELOW GRADE: EARTH SHALL BE EXCAVATED TO A MINIMUM DEPTH WITH EVEN

INSULATE (AS ALLOWED BY CODE) ALL LISTED SERVICE PIPING AS FOLLOWS. 1" ABOVE. WHERE PERMITTED BY LOCAL CODES, PROVIDE 1/2" SELF ADHESIVE UNICELLULAR FOAM PIPE INSULATION WITH PREFORMED PVC FITTING COVERS

- AIR GAP FITTINGS
- A. JR SMITH FIGURE 3955 OR EQUAL BY WADE, ZURN OR JOSAM.
- AN INTEGRAL VACUUM BREAKER OR REDUCED PRESSURE BACKFLOW PREVENTER AT EACH OUTLET.

1.8 MISCELLANEOUS

- COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATIONS.
- THE PLUMBING PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE
- ALL PIPING TO BE PROPERLY LABELED.

- PLUMBING SYSTEMS SHALL BE FLOW AND PRESSURE TESTED IN ACCORDANCE WITH
- 2. TEST WATER SYSTEM UNDER 150 PSIG HYDROSTATIC PRESSURE, FOR FOUR (4) HOURS MINIMUM. WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP IS DEFICIENT, REPLACE AS REQUIRED, AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.

DEGREES MEAN TEMPERATURE. INSULATE ANY EXPOSED CONDENSATE OR WASTE PIPING WITH FLUID TEMPERATURE BELOW 60 DEGREES F.

2. VACUUM BREAKERS A. MOP SINKS NOT PROTECTED BY AN AIR GAP SHALL BE SUPPLIED WITH

2. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES,

CONDITIONS, AND DIMENSIONS AT THE JOB SITE.

- STANDARD PRACTICE AND THE INTERNATIONAL PLUMBING CODE.

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ARCWORKS, I architecture / interiors



TROY ANTHONY STENCEL FLORIDA ARCHITECT #AR99221

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PROJECT NUMBER AW24021

RELEASE FOR PERMIT SHEET TITLE **NEW ENLARGED**

H/C RESTROOM PLAN, ELEVATIONS, SPECIFICATIONS & NOTES