



C.A. BOONE CONSTRUCTION, LLC.

OFFICE BUILDING

970 S.W. ARLINGTON BOULEVARD

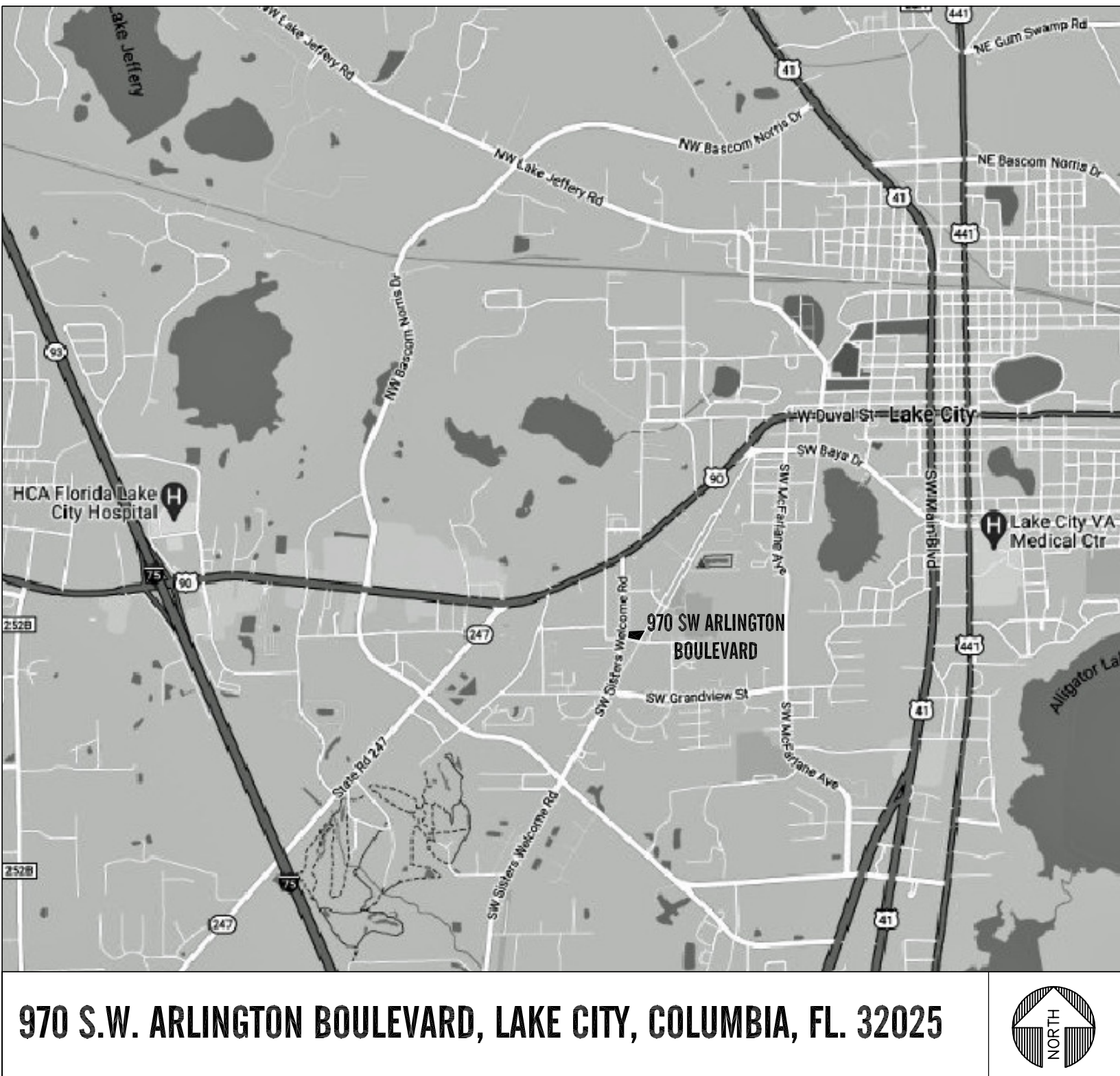
LAKE CITY, FLORIDA 32025

RELEASE for PERMIT JUNE 26, 2024

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."

VICINITY MAP



INDEX OF DRAWINGS

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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

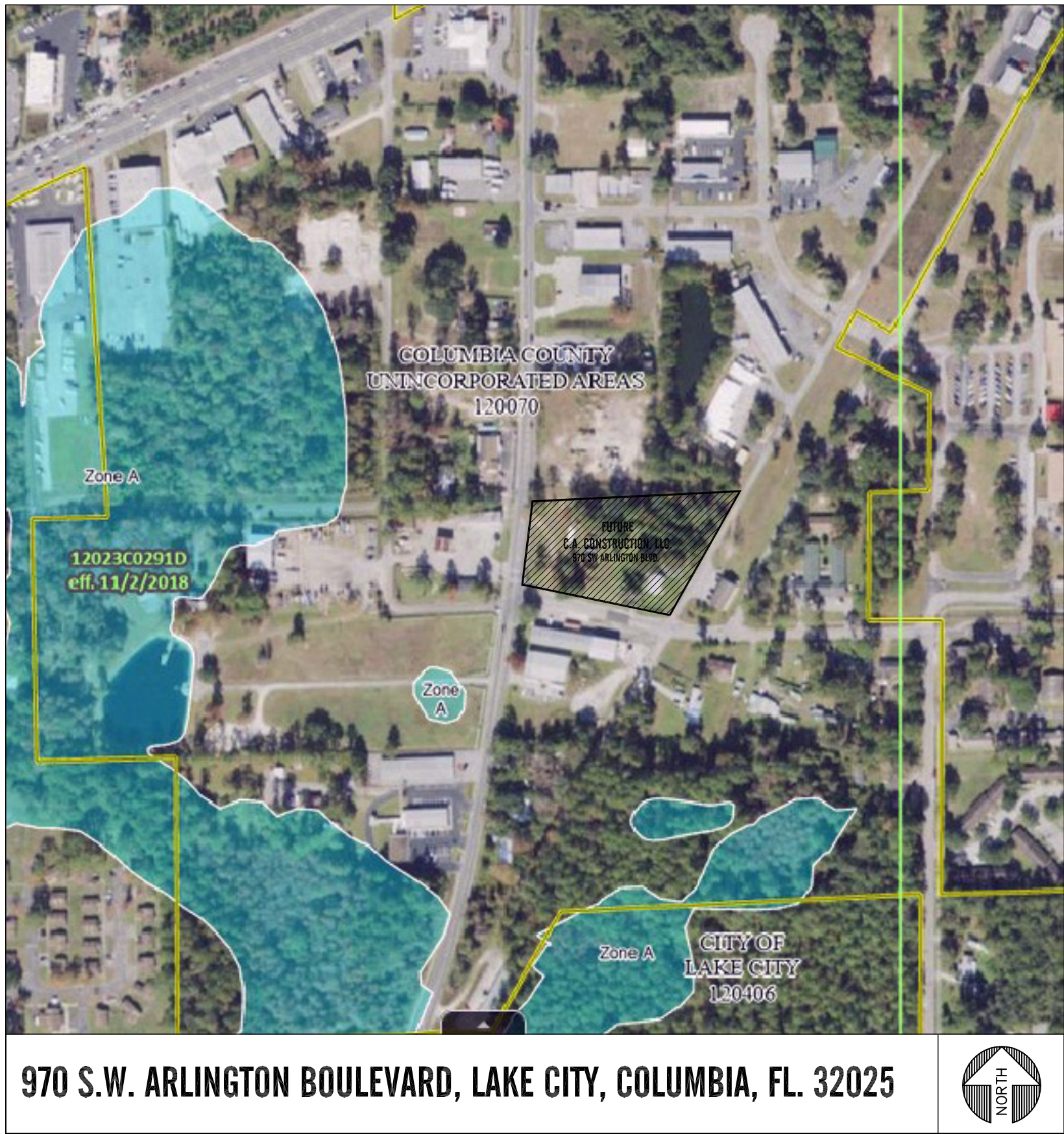
BUILDING DATA

- 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



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: 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
- SEC/TWP/RNG:

ARCWORKS
architecture • interiors • planning

ARCWORKS, LLC
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100 Madison Street,
Thomasville, GA 31792
1.223.403.7425
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troy@arcworksgroup.com

Troy Anthony Stencel

Professional Seal

Designated by

State of Florida

2024-06-01

2024-06-01

PROFESSIONAL ARCHITECT

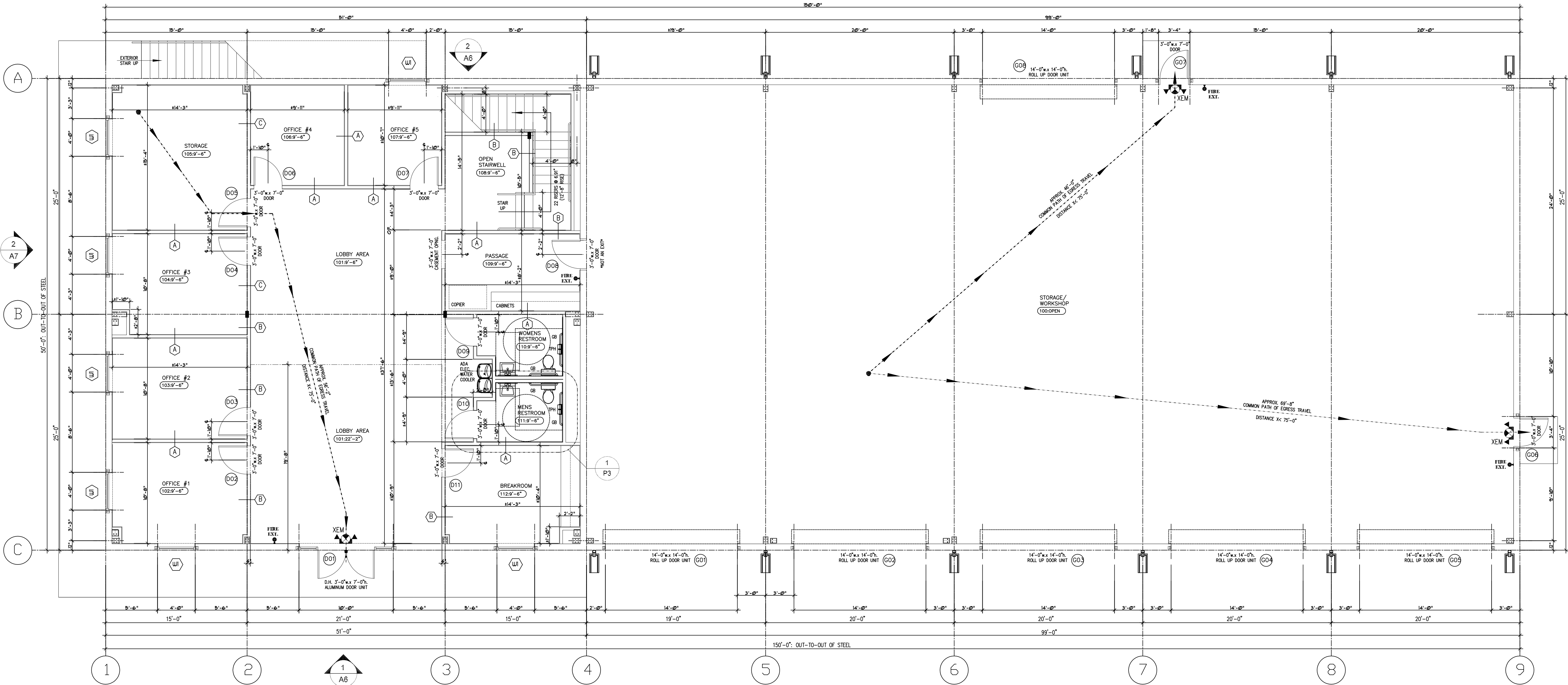
FLORIDA ARCHITECT #A99221

GENERAL CONTRACTOR:
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David Simque
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C.A. BOONE CONSTRUCTION, LLC.
OFFICE BUILDING

970 S.W. Arlington Boulevard
Lake City, Florida 32025

SUBMITTAL			
PHASE	DATE	DRAWN	CHECK
PERMIT	26 Jun	TAS	TAS
REVISIONS			
#	DATE	REMARKS	
PROJECT NUMBER AW24021			
PHASE RELEASE FOR PERMIT			
SHEET TITLE COVERSHEET, BUILDING DATA, CODE SUMMARY, VICINITY & LOCATION MAPS			
SHEET NUMBER A0			

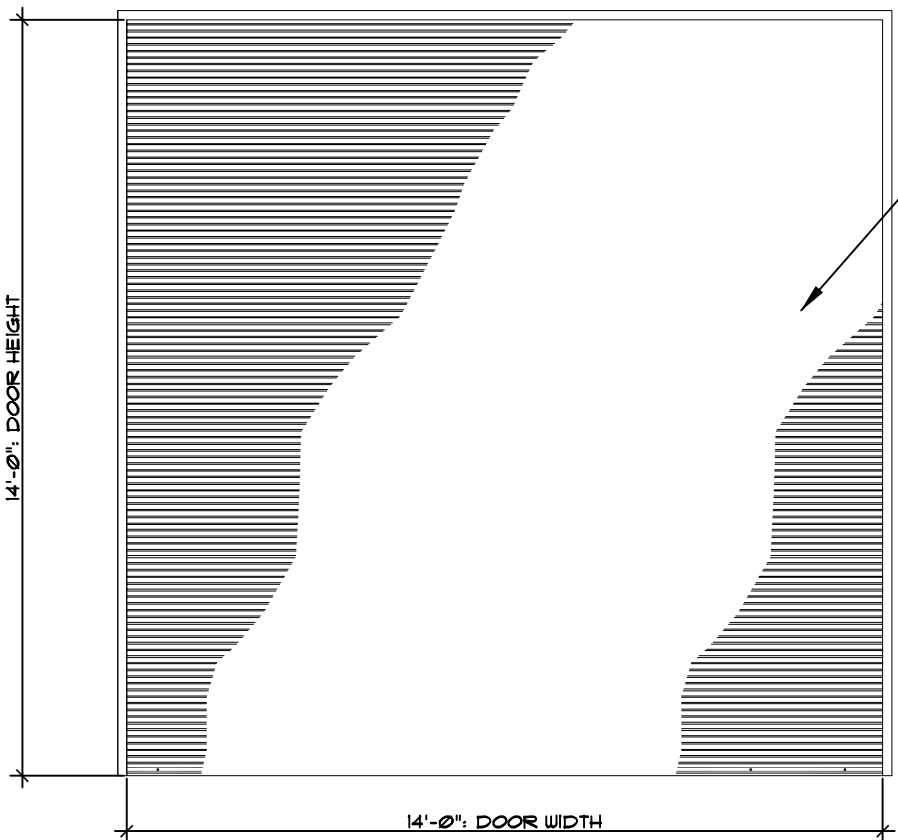


LEGEND:

- PERIMETER WALL DENOTES 5/8" GYPSUM WALL BOARD TO INTERIOR DIRECTLY ATTACHED TO MTL. BUILDING GIRTS
- DENOTES 3 5/8" MIN. 2000 MTL STUD WALL @ 16" O.C. w/ 5/8" GYPSUM WALL BOARD EA. SIDE UP TO 10'-0" HEIGHT; PAINT
- DENOTES DOOR TAG (SEE DOOR SCHEDULE)
- DENOTES WINDOW TAG (SEE WINDOW SCHEDULE)
- DENOTES COMMON PATH OF EGRESS TRAVEL FROM FURTHEST DISTANCE
- POINT OF ORIGIN

OVERALL NEW FIRST FLOOR PLAN

3/16" = 1'-0"



ROLL-1

DOOR ELEVATIONS

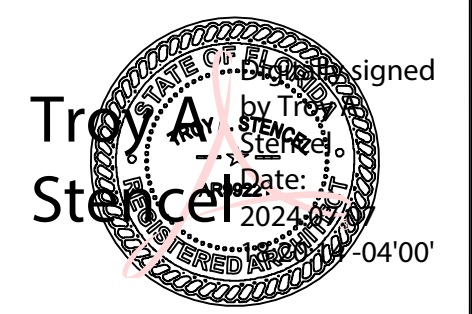
3/8" = 1'-0"

14'-0" x 14'-0" OVERHEAD DOOR: ROLLING STEEL SHEET DOOR EQUAL TO PROSTAR 180CD: COLOR AS SELECTED BY OWNER

DOOR SCHEDULE

NO.	ROOMNAME	TYPE				MATERIAL		THICK-NESS	DETAIL			FINISH		LABEL	HDWE. SET	REMARKS
		DOOR	FRM	H	W	DOOR	FRM		SILL	JAMB	HEAD	DOOR	FRM			
G01	STORAGE/ WAREHOUSE	ROLL-1	FAC.	14'-0"	14'-0"	STEEL	STEEL	-	-	-	-	FAC.	FAC.	-	-	OVERHEAD ROLL-UP DOOR: ROLLING STEEL SHEET DOOR EQUAL TO PROSTAR 780CD: FACTORY FINISH: COLOR AS SELECTED BY OWNER
G02	STORAGE/ WAREHOUSE	ROLL-1	FAC.	14'-0"	14'-0"	STEEL	STEEL	-	-	-	-	FAC.	FAC.	-	-	OVERHEAD ROLL-UP DOOR: ROLLING STEEL SHEET DOOR EQUAL TO PROSTAR 780CD: FACTORY FINISH: COLOR AS SELECTED BY OWNER
G03	STORAGE/ WAREHOUSE	ROLL-1	FAC.	14'-0"	14'-0"	STEEL	STEEL	-	-	-	-	FAC.	FAC.	-	-	OVERHEAD ROLL-UP DOOR: ROLLING STEEL SHEET DOOR EQUAL TO PROSTAR 780CD: FACTORY FINISH: COLOR AS SELECTED BY OWNER
G04	STORAGE/ WAREHOUSE	ROLL-1	FAC.	14'-0"	14'-0"	STEEL	STEEL	-	-	-	-	FAC.	FAC.	-	-	OVERHEAD ROLL-UP DOOR: ROLLING STEEL SHEET DOOR EQUAL TO PROSTAR 780CD: FACTORY FINISH: COLOR AS SELECTED BY OWNER
G05	STORAGE/ WAREHOUSE	ROLL-1	FAC.	14'-0"	14'-0"	STEEL	STEEL	-	-	-	-	FAC.	FAC.	-	-	OVERHEAD ROLL-UP DOOR: ROLLING STEEL SHEET DOOR EQUAL TO PROSTAR 780CD: FACTORY FINISH: COLOR AS SELECTED BY OWNER
G06	STORAGE/ WAREHOUSE	MTL-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	-	-	PNT	PNT	-	-	DOOR SHALL BE FLUSH METAL FIRE RATED DOOR: 90 MIN. FIRE-RATING: PROVIDE CLOSER
G07	STORAGE/ WAREHOUSE	MTL-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	-	-	PNT	PNT	-	-	DOOR SHALL BE FLUSH METAL FIRE RATED DOOR: 90 MIN. FIRE-RATING: PROVIDE CLOSER
G08	STORAGE/ WAREHOUSE	ROLL-1	FAC.	14'-0"	14'-0"	STEEL	STEEL	-	-	-	-	FAC.	FAC.	-	-	OVERHEAD ROLL-UP DOOR: ROLLING STEEL SHEET DOOR EQUAL TO PROSTAR 780CD: FACTORY FINISH: COLOR AS SELECTED BY OWNER

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TROY ANTHONY STENCEL
FLORIDA ARCHITECT #A999221

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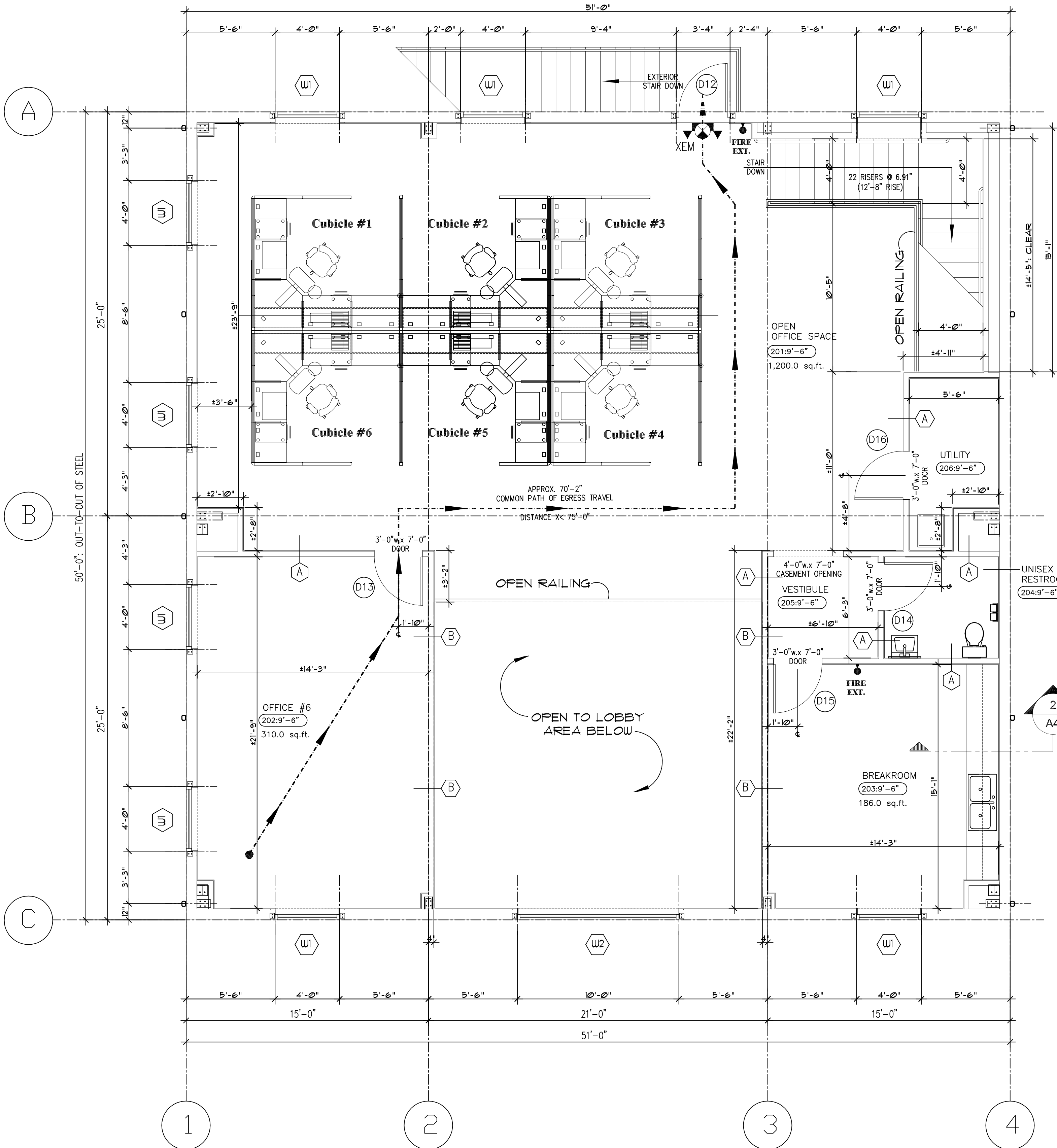
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SHEET TITLE

NEW OVERALL
FIRST FLOOR PLAN

SHEET NUMBER

A1

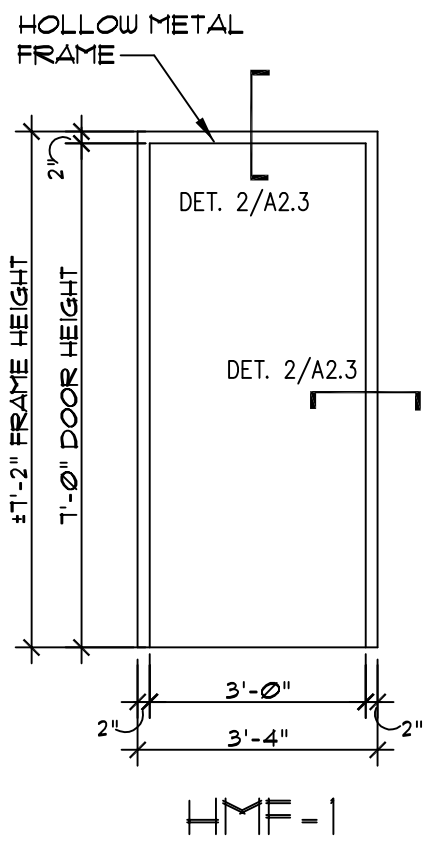


LEGEND:

- PERIMETER WALL DENOTES 5/8" GYPSUM WALL BOARD TO INTERIOR DIRECTLY ATTACHED TO MTL. BUILDING GIRTS
- DENOTES 3 5/8" MIN. 20ga. MTL STUD WALL. 16" O.C. w/ 5/8" GYPSUM WALL BOARD EA. SIDE UP TO 10'-0" HEIGHT; PAINT
- DENOTES DOOR TAG (SEE DOOR SCHEDULE)
- DENOTES WINDOW TAG (SEE WINDOW SCHEDULE)
- DENOTES COMMON PATH OF EGRESS TRAVEL FROM FURTHEST DISTANCE

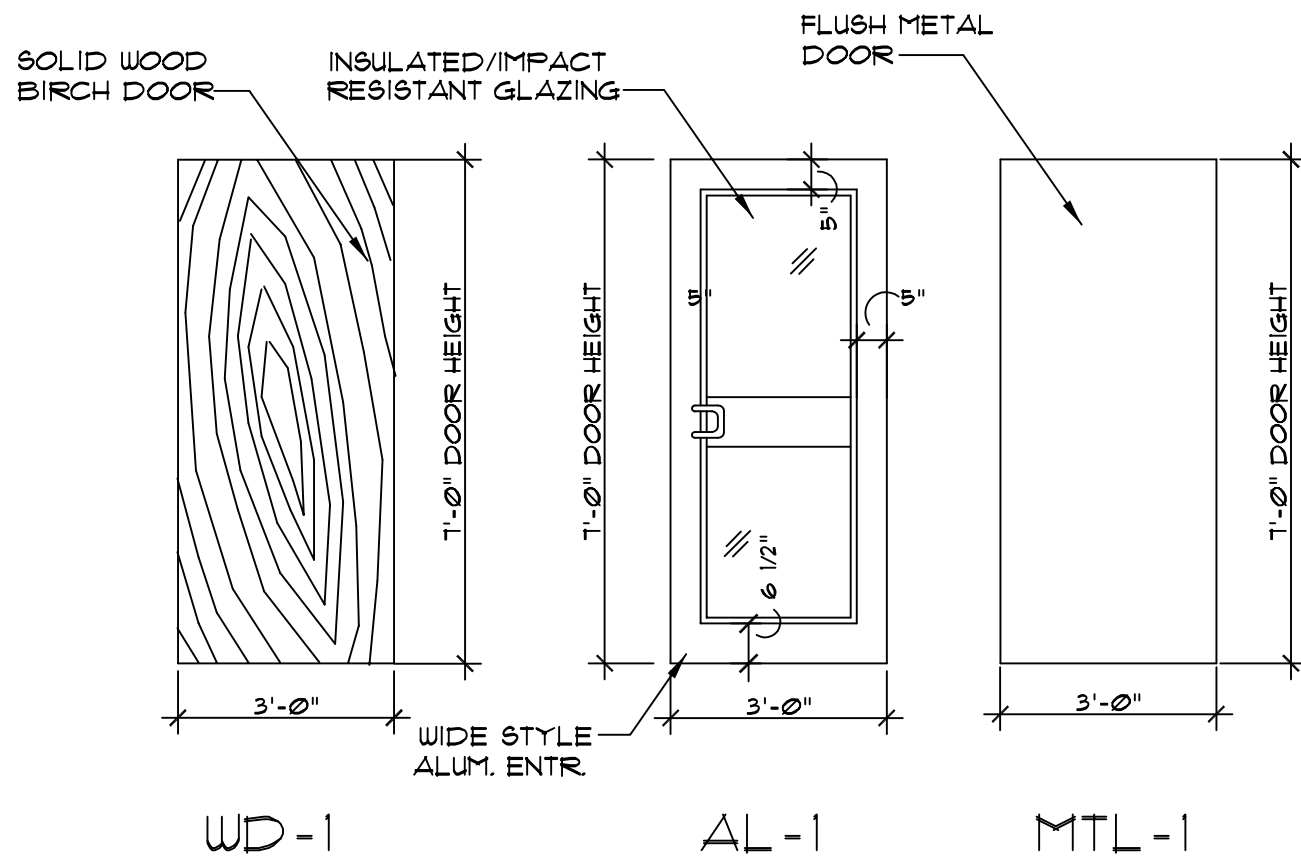
NEW SECOND FLOOR PLAN GENERAL NOTES:

- A. MISCELLANEOUS:
- THE FLAME SPREAD/SMOKE DEVELOPED INDEX CLASSIFICATION REQUIRED FOR INTERIOR OFFICE FINISHES IS CLASS 'C' WITH A FLAME SPREAD INDEX 16-200 & SMOKE DEVELOPED INDEX 0-450 PER 2023 IBC - BUILDING (8th EDITION), SECTION 803.11- INTERIOR WALL AND CEILING FINISH MATERIALS.
 - 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 'RAMBET', 3/4" TRAKFAST PINS (19" H).
 - NEW METAL SUSPENDED SYSTEM GRID WITH ACOUSTICAL CEILING TILE THROUGHOUT AT 9'-6" AFF. IN FINISHED AREAS.
 - 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.
 - 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)
 - PROVIDE ALL NEW INTERIOR DOOR UNITS & HARDWARE. ALL NEW INTERIOR DOOR SIZES AS LABELED ON PLANS AND/OR DOOR SCHEDULE.
 - PROVIDE WALL MOUNTED ABC FIRE EXTINGUISHERS AS LOCATED ON NEW FLOOR PLAN.
 - LATCHES & LOCKS: REAR ENTRY DR. UNIT TO BE INSTALLED WITH PANIC HARDWARE & CLOSER.
 - PROVIDE NEW LAY-IN 2'x2' & 2'x4' LED LIGHT FIXTURES- SEE NEW CEILING LAYOUT & LIGHTING PLAN, SHEET VELL.
 - PROVIDE R-13, 3 1/2" BATT INSULATION IN ALL FRAMED INTERIOR METAL STUD WALLS.



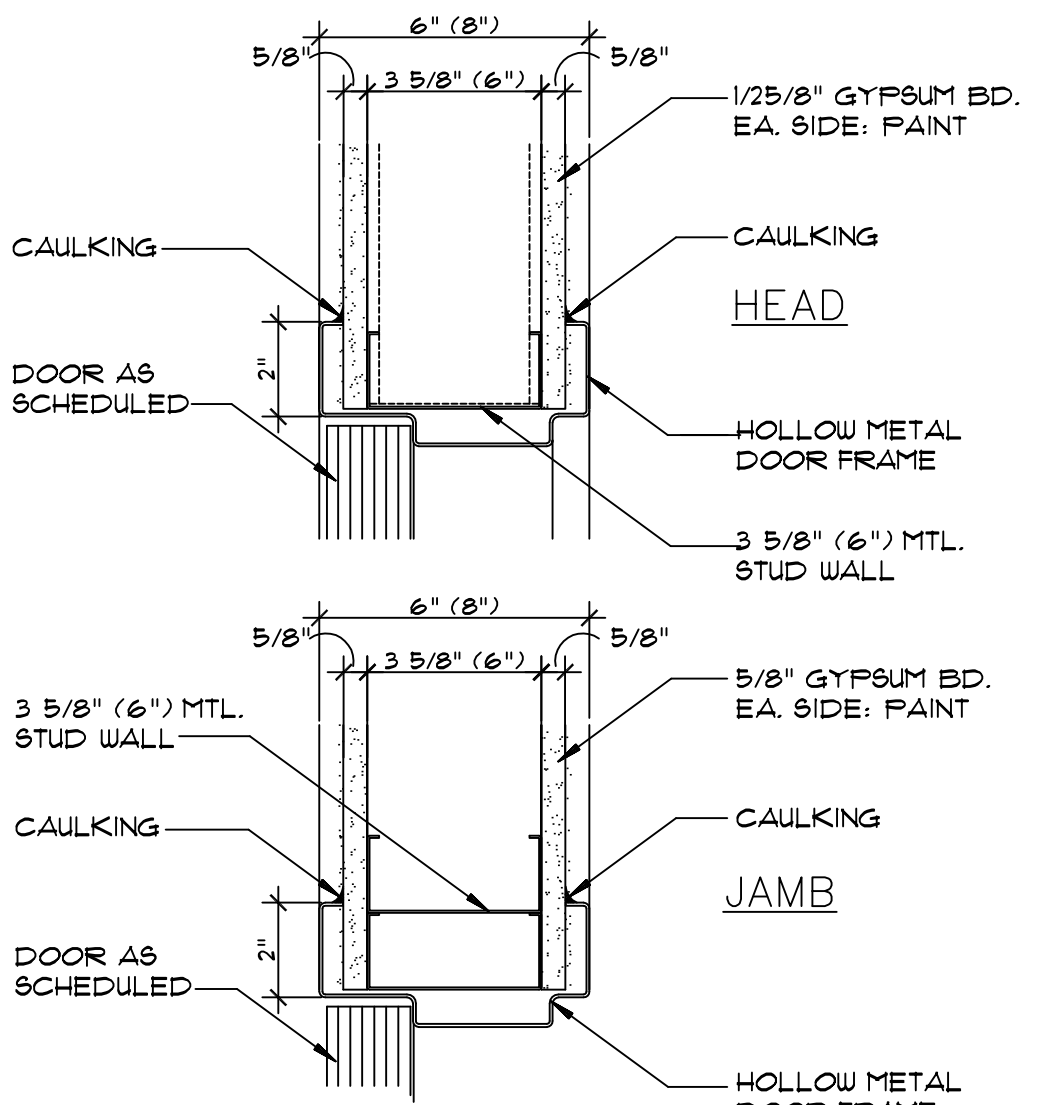
DOOR FRAME TYPES

3/8" - 1'-0"



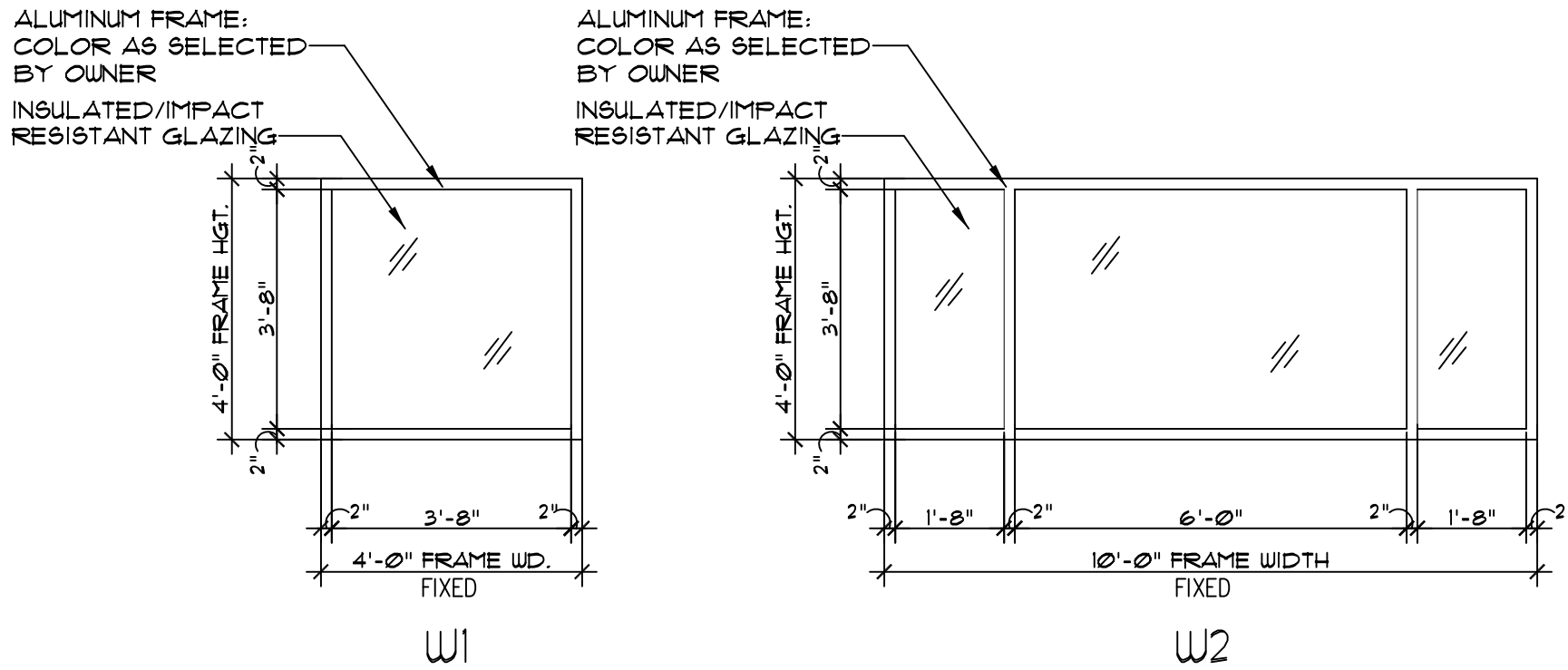
DOOR ELEVATIONS

3/8" - 1'-0"



INT. MTL. STUD & G.W.B. DOOR DETAIL

NOT TO SCALE



EXTERIOR WINDOW TYPES

3/8" - 1'-0"

DOOR SCHEDULE																
NO.	ROOMNAME	TYPE				MATERIAL		THICK-NESS	DETAIL			FINISH		LABEL	HDWE/SET	REMARKS
		DOOR	FRM	H	W	DOOR	FRM		SILL	JAMB	HEAD	DOOR	FRM			
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 INSULATED COMPRISED OF TWO PAGES OF GLASS SEPARATED BY 1/2" AIR SPACE DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER DOOR SHALL BE FLUSH SOLID CORE WOOD DOOR W/ GOOD OR BETTER GRADE BIRCH VENEER
D13	OFFICE #6	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A3	2/A3	VRN	PNT	-	-	
D14	UNISEX RESTROOM	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A3	2/A3	VRN	PNT	-	-	
D15	BREAKROOM	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A3	2/A3	VRN	PNT	-	-	
D16	UTILITY	WD-1	HMF-1	7'-0"	3'-0"	WOOD	STEEL	1-3/4"	-	2/A3	2/A3	VRN	PNT	-	-	

WINDOW SCHEDULE											
NO.	LOCATION	TYPE				MATERIAL	DETAIL			FINISH	REMARKS
		WIN	FRM	W	H	FRAME	SILL	JAMB	HEAD	FRAME	
W1	OFFICES, BREAKROOM & STORAGE	WIN "A"	ALUM	4'-0"	4'-0"	ALUM.	-	-	-	IOD.	GLAZING ASSEMBLIES SHALL BE IMPACT RESISTANT AND INSULATED- COMPRISED OF TWO PAINES OF GLASS SEPARATED BY 1/2" AIR SPACE. THE EXTERIOR PANE SHALL BE 1/4" TINTED TEMPERED W/ A LOW-EMISSIVITY 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 658 OR CORIAN SPARKLING WHITE. GLAZING ASSEMBLIES SHALL BE IMPACT RESISTANT AND INSULATED- COMPRISED OF TWO PAINES OF GLASS SEPARATED BY 1/2" AIR SPACE. THE EXTERIOR PANE SHALL BE 1/4" TINTED TEMPERED W/ A LOW-EMISSIVITY 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 658 OR CORIAN SPARKLING WHITE.
W2	OPEN LOBBY AREA (SECOND FLOOR LEVEL)	WIN "B"	ALUM	10'-0"	4'-0"	ALUM.	-	-	-	IOD.	

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architecture • interiors • planning

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troy@arcworksgroup.com

Troy Anthony Stencel

Professional Seal

Signature

Date: 7/1/2024

DESIGNED BY

7/1/2024

PROJECT NO.

24-0400

GENERAL CONTRACTOR:

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David Simque
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C.A. BOONE CONSTRUCTION, LLC.
OFFICE BUILDING

970 S.W. Arlington Boulevard
Lake City, Florida 32025

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

SHEET NUMBER

A3

ROOM FINISH SCHEDULE- FIRST FLOOR

	ROOM NAME	FLOOR	BASE	WALLS	CEILING		REMARKS
		MATERIAL	MATERIAL	MATERIAL	MATERIAL	HGT.	
100	STORAGE/ WORKSHOP	SEALED CONCRETE FLOOR SLAB (Water-based sealer)		EXPOSED METAL BUILDING FRAME & GIRTS (EXTERIOR METAL WALL PANEL)	n/a	OPEN	
101	OFFICE LOBBY AREA	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2x 2' ACOUSTICAL CEILING TILE	22'-2" 9'-6"	
102	OFFICE #1	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	
103	OFFICE #2	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	
104	OFFICE #3	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	
105	STORAGE	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	
106	OFFICE #4	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	
107	OFFICE #5	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	
108	STAIRWELL	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	
109	PASSAGE	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	
110	WOMEN'S RESTROOM	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted/Tile on wet walls)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	- Provide blocking in walls for plumbing fixtures & toilet accessories. - Soundproof, NC 40.
111	MEN'S RESTROOM	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted/Tile on wet walls)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	- Provide blocking in walls for plumbing fixtures & toilet accessories. - Soundproof, NC 40.
112	BREAKROOM	LUXURY VINYL TILE (As selected by owner)	4" COVED VINYL/ RUBBER BASE	GYPSUM WALL BOARD (GWB) (Painted)	2x 2' ACOUSTICAL CEILING TILE	9'-6"	

NOTES:

ROOM FINISH SCHEDULE- SECOND FLOOR

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

NOTES:

GENERAL INTERIOR FINISH NOTES:

A. INTERIOR WALLS:

- 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 1/240 BASED ON A UNIFORM LOAD OF 10 psf. MAXIMUM STUD SPACING SHALL BE 16" O.C.
- 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.
- 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.
- ALL DRYWALL SHALL CONFORM TO ASTM C36, C414, AND C415, AND SHALL BE INSTALLED ACCORDING TO ASTM C551. 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.
- ALL DRYWALL TO HAVE TWO-COAT TAPE AND SPACKLE PROCESS. FLEX TAPE SHALL BE USED WHERE NECESSARY.
- ALL ELECTRICAL OPENINGS TO BE TRIMMED WITH CLOSE TOLERANCES TO OUTLET BOXES.

B. INTERIOR DOORS & FRAMES:

- 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 (NWDA) 18-1A. STILE EDGES SHALL BE NON-FINGER JOINTED HARDWOOD COMPATIBLE WITH FACE VENEER. PROVIDE AWI GRADE A HARDWOOD FACE VENEER FOR TRANSPARENT FINISHED DOORS.
- METAL DOOR FRAMES SHALL BE WELDED 16-GAUGE STEEL.
- DOORS SHALL BE FIRE-RATED AS REQUIRED.
- UNLESS OTHERWISE INDICATED ALL INTERIOR DOORS WILL BE 3-FOOT BY 1- FOOT FOR SINGLE DOORS.
- INTERIOR DOOR HARDWARE:
 - OFFICE DOORS: PROVIDE MORTISE CLASSROOM F05 FUNCTION LOCKSETS, HINGES, SILENCERS, AND MOP PLATES.
 - RESTROOM DOORS: PROVIDE MORTISE PRIVACY LOCKSET, INDICATING OCCUPANCY, CLOSERS, HINGES, SILENCERS AND MOP PLATES.
 - SERVICE AND UTILITY ROOM DOORS: PROVIDE MORTISE CLASSROOM F05 FUNCTION LOCKSET, CLOSERS AT FIRE RATED DOORS, HINGES, SILENCERS AND MOP PLATES.

C. FLOORING:

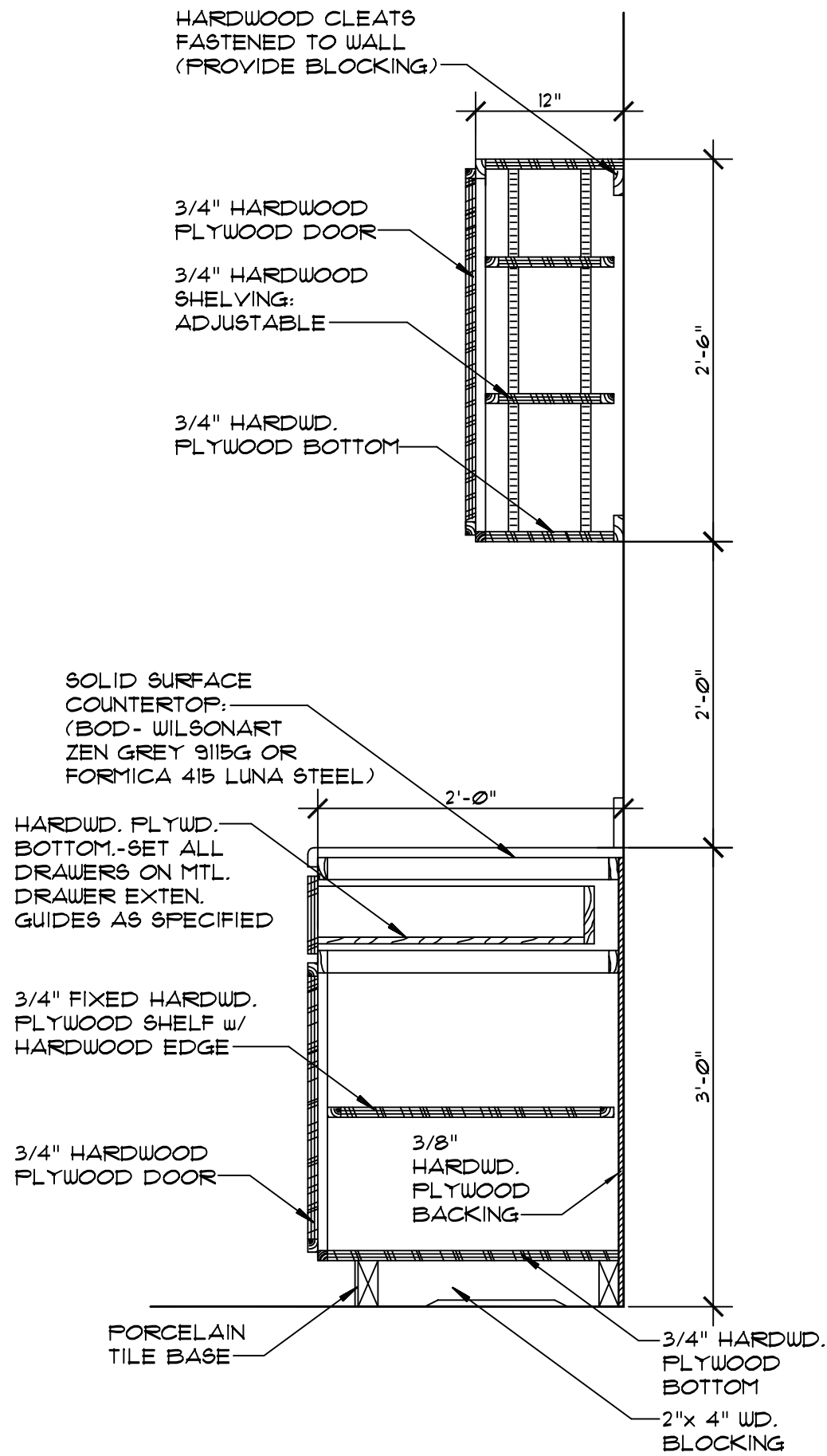
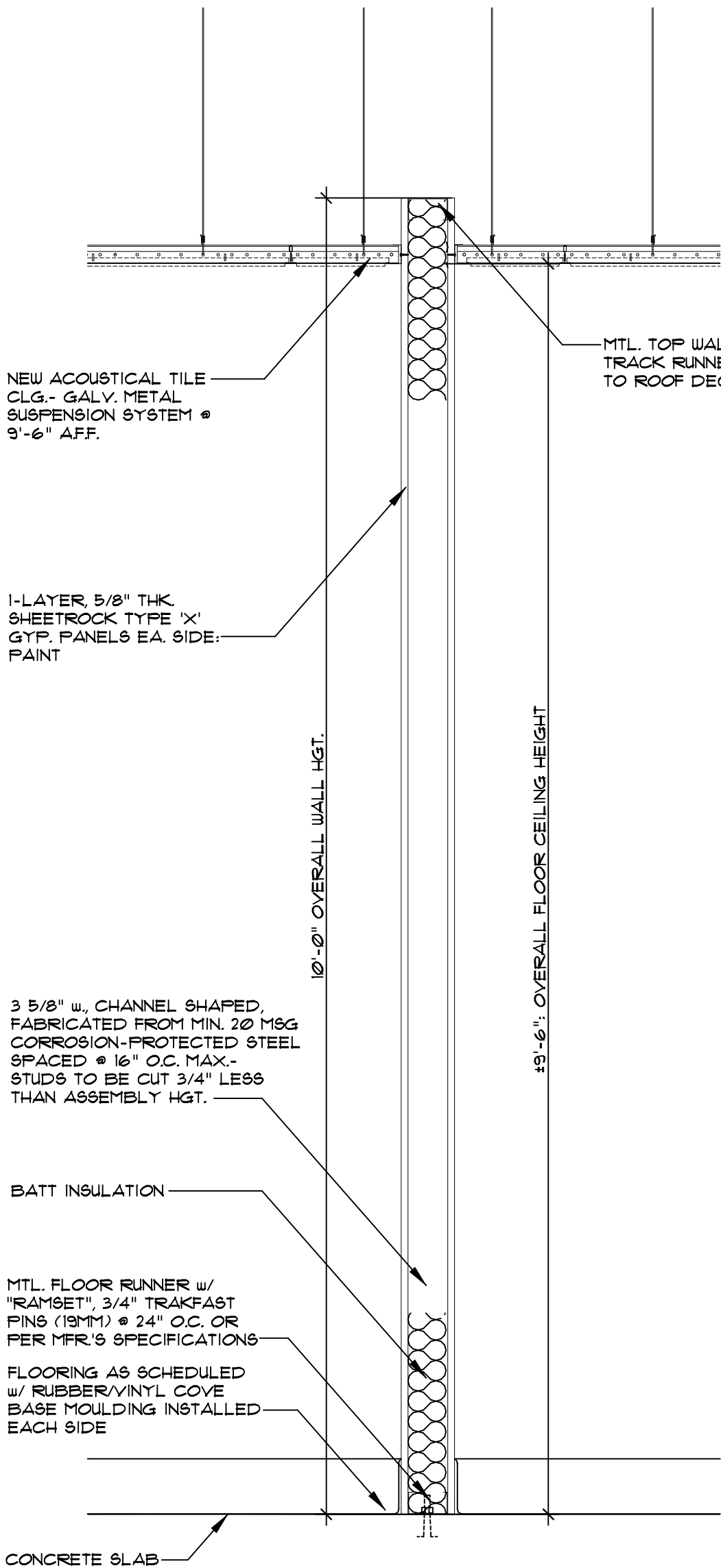
- LUXURY VINYL TILE (LVT) FLOORING THROUGHOUT. LUXURY VINYL TILE (LVT) FLOORING TO BE EQUAL TO SHAW MATRIX WITH ADVANCE FLEX TECHNOLOGY, COLOR- SEA SALT HICKORY (OR AS SELECTED BY OWNER, 6" WIDE x 3-1/5 MM THICK- WATERPROOF INTERLOCKING LUXURY VINYL PLANK FLOORING.
- BEFORE INSTALL LUXURY VINYL TILE 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.
- SEALED CONCRETE FLOOR SLAB: CONFIRM WITH OWNER IF STORAGE/WAREHOUSE ALL CONCRETE FLOOR SLAB IS TO BE SEALED WITH A WATER-BASED SEALER.
- WALL BASE: PROVIDE COVED VINYL/RUBBER BASE, MINIMUM 4-INCH TALL AND 1/8-INCH THICK.

D. PAINTING:

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

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



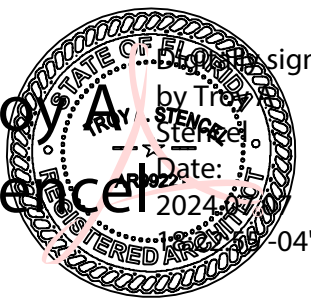
BREAKROOM CASEWORK SECTION

NOT TO SCALE



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Troy Anthony Stencel
Architect
2024-04-00'

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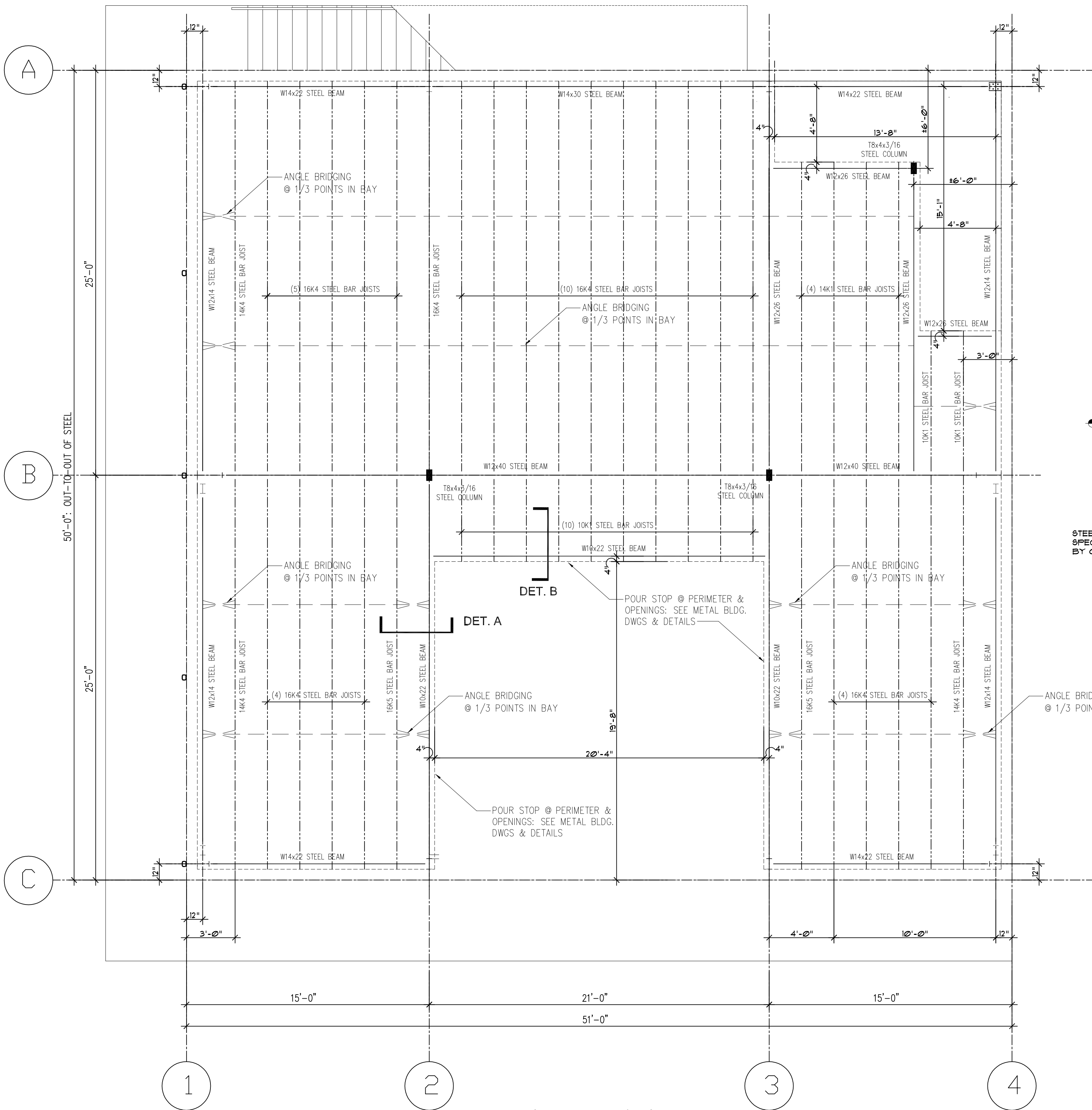
REVISIONS		
#	DATE	REMARKS

PROJECT NUMBER
AW24021

PHASE
RELEASE FOR PERMIT

SHEET TITLE
FINISH SCHEDULE, DETAILS & NOTES

SHEET NUMBER
A4



*FOR REFERENCE ONLY:
METAL BUILDING MANUFACTURER TO CONFIRM AND COORDINATE WITH
MOST CURRENT ARCHITECTURAL PLANS- BEAM & JOIST SIZES MAY HAVE VARIED*

OFFICE: MEZZANINE FRAMING PLAN

1
A5
1/4" = 1'-0"

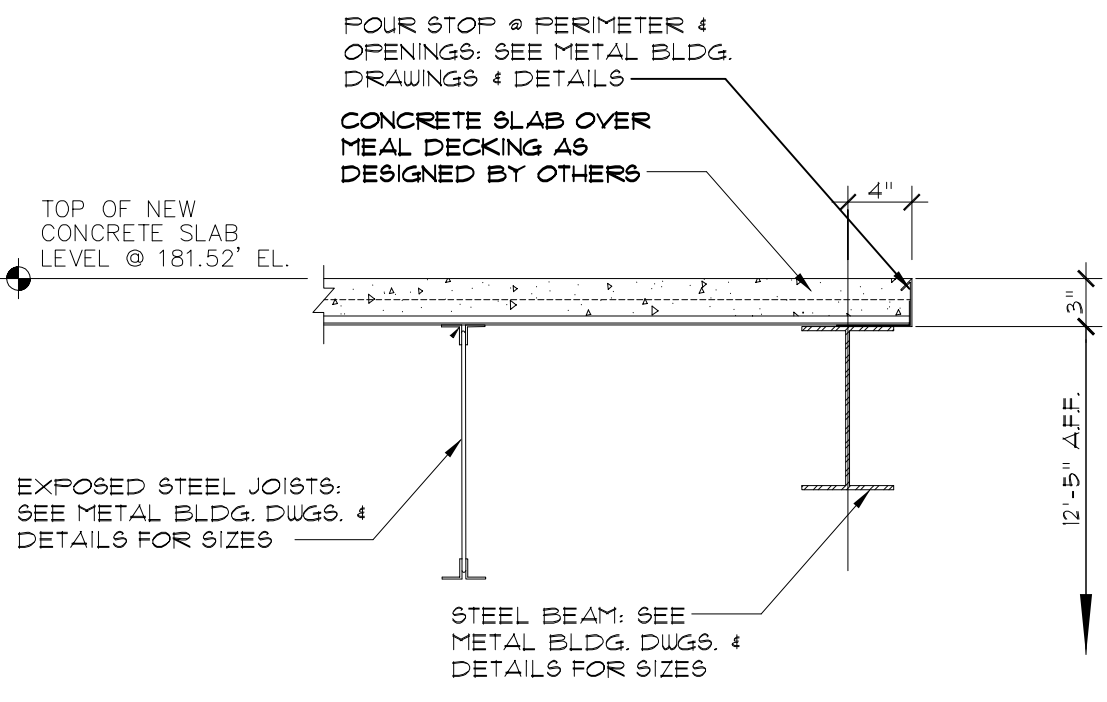
GENERAL NOTES:

A. MISCELLANEOUS:

1. MEZZANINE FRAMING PLAN LAYOUT & DETAIL DRAWINGS TO BE PROVIDED BY METAL BUILDING MANUFACTURER. ANY ALTERATIONS AND MODIFICATIONS ARE TO BE COORDINATED BY THE METAL BUILDING MANUFACTURER WITH THE MOST CURRENT ARCHITECTURAL DRAWINGS.

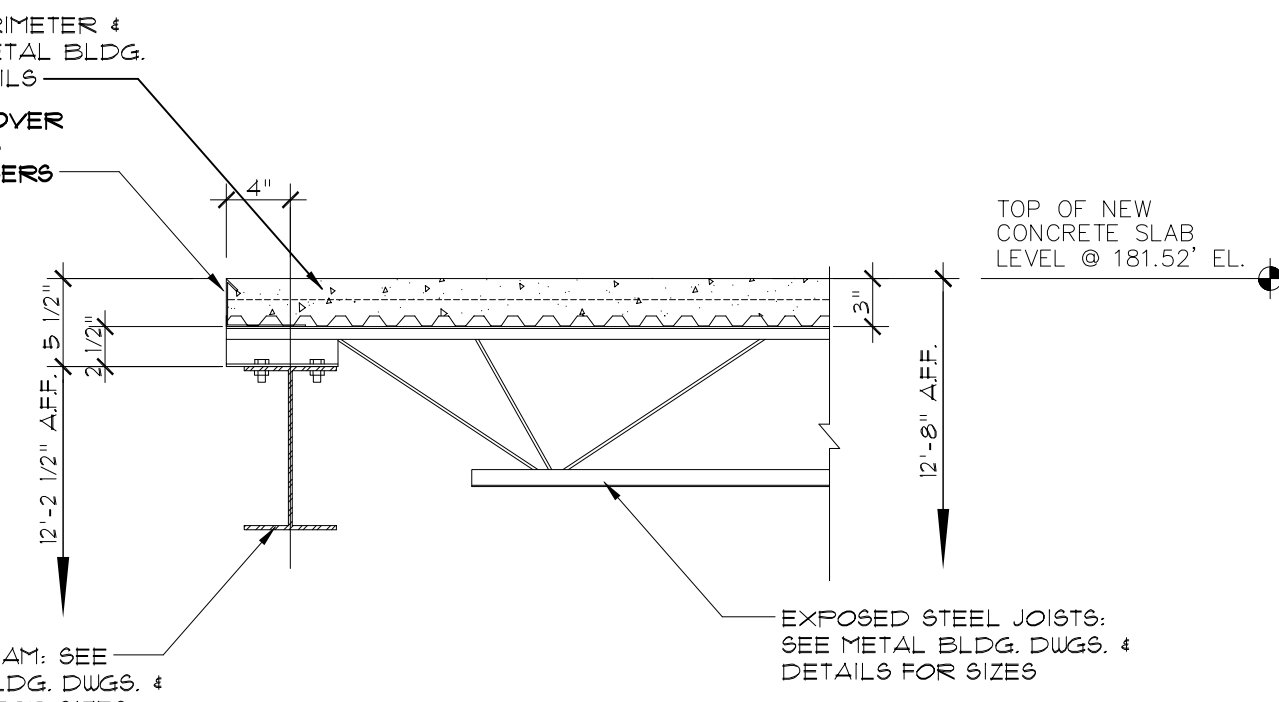
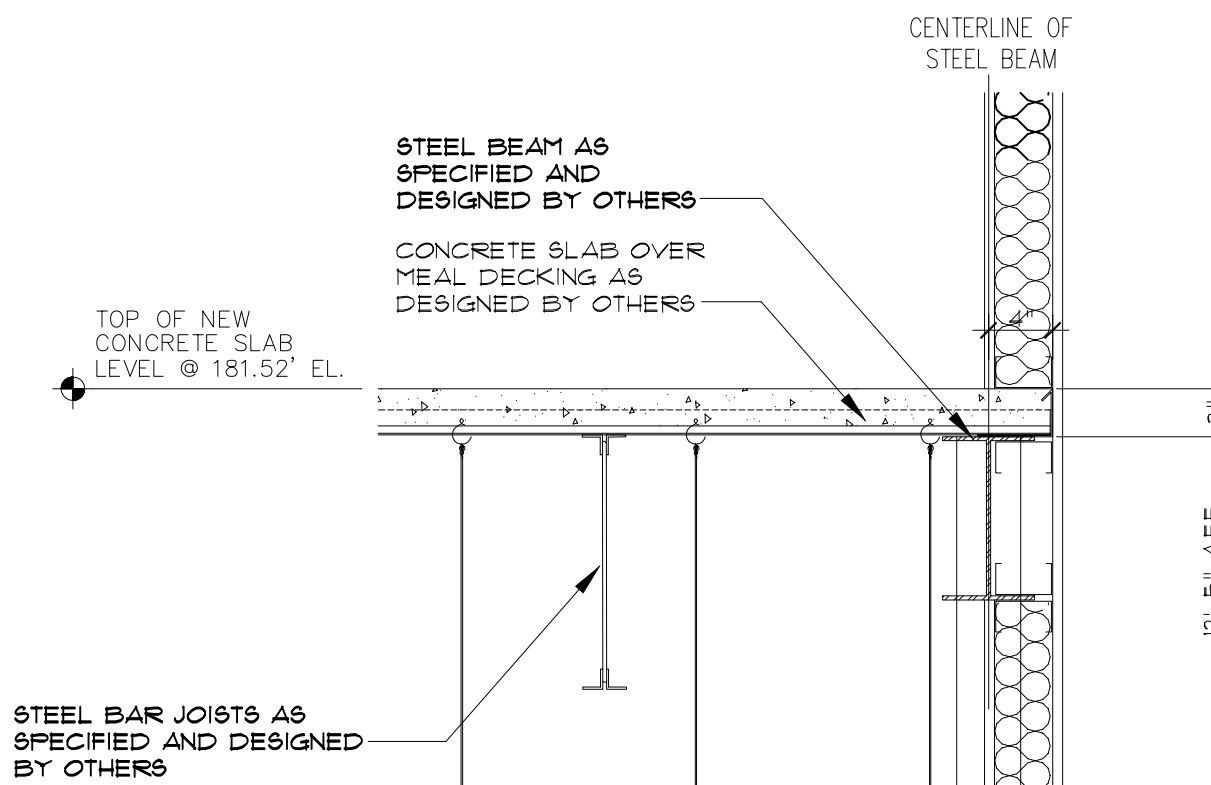
2. CONTRACTOR TO CONFIRM ALL BEAM & BAR JOIST SIZES & LENGTHS PRIOR TO INSTALLATION. CONFIRM ALL MEZZANINE & STAIRWELL OPENINGS.

3. CONTRACTOR TO CONFIRM ALL STRUCTURAL DETAILS INCLUDING BEAM HEIGHTS WITH METAL BUILDING MANUFACTURER.



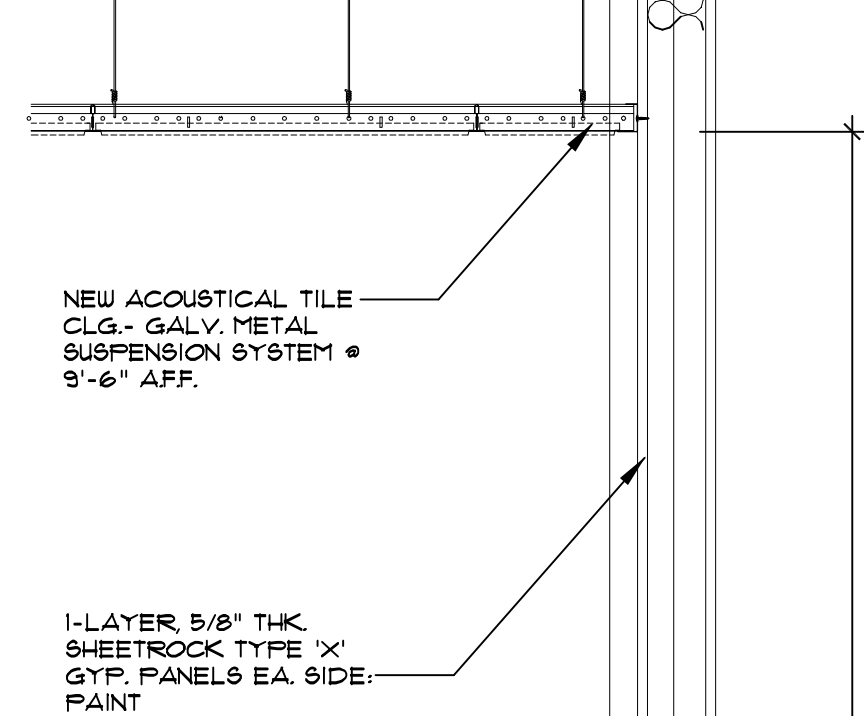
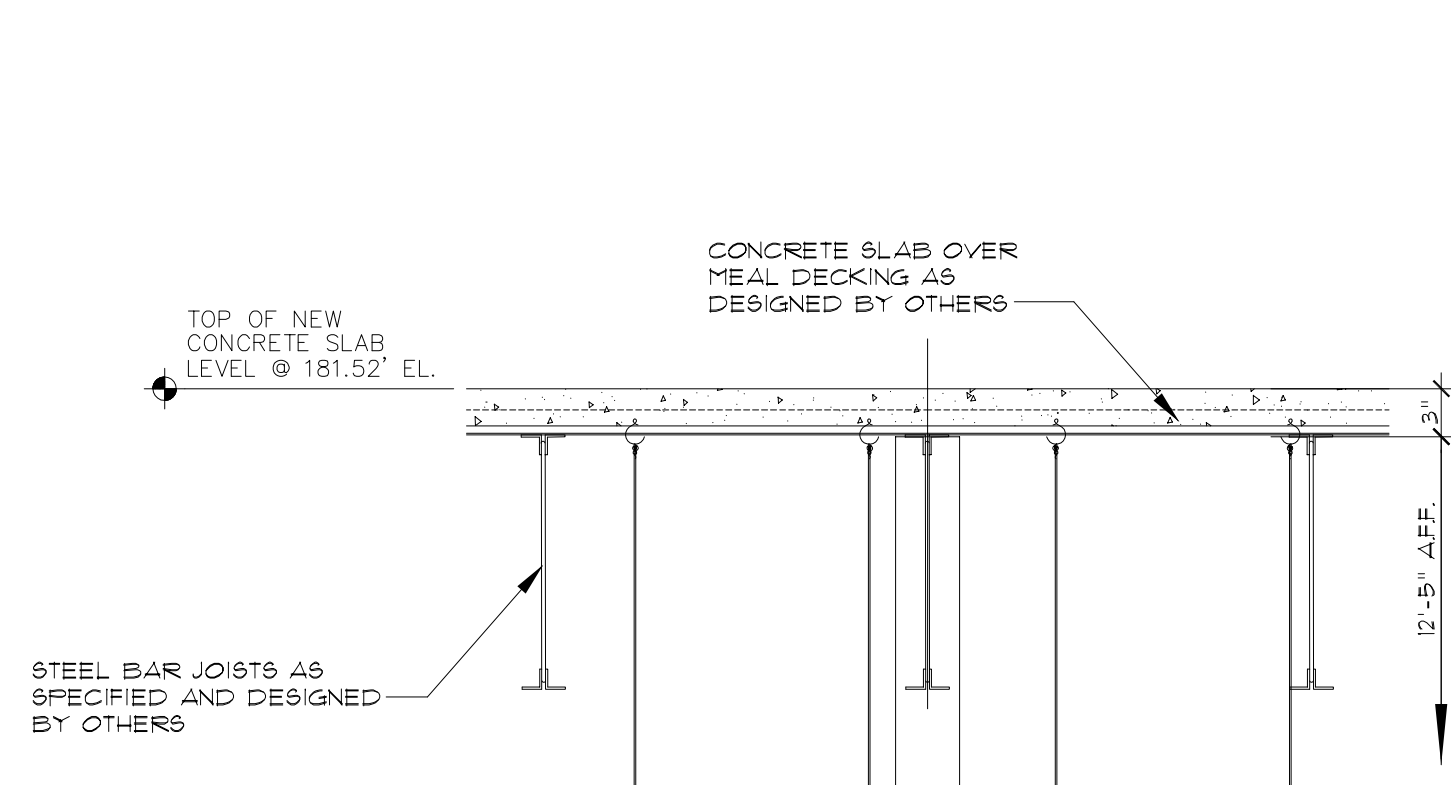
DETAIL 'A': POUR STOP & CONCRETE

2
A5
1" = 1'-0"

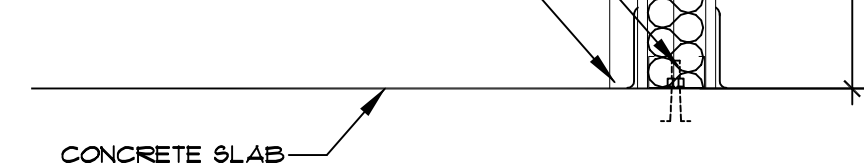
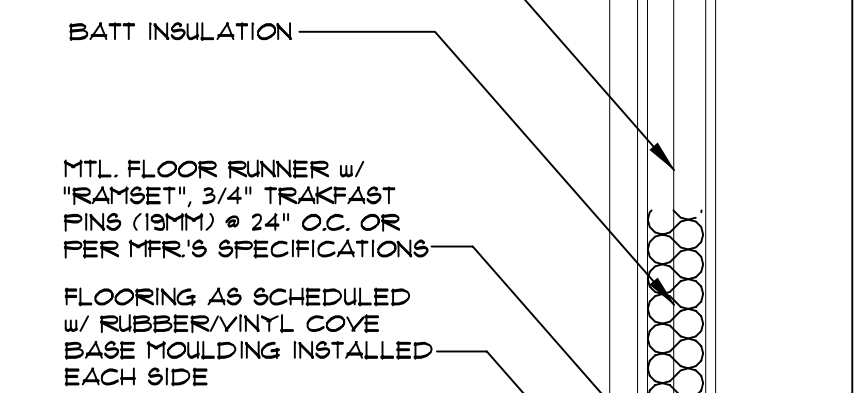
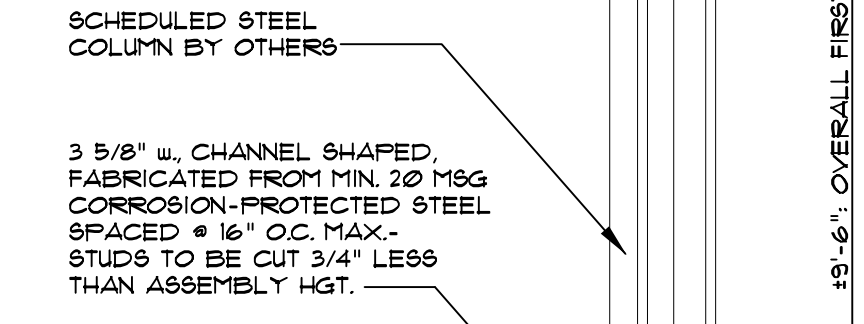


DETAIL 'B': POUR STOP & CONCRETE

3
A5
1" = 1'-0"



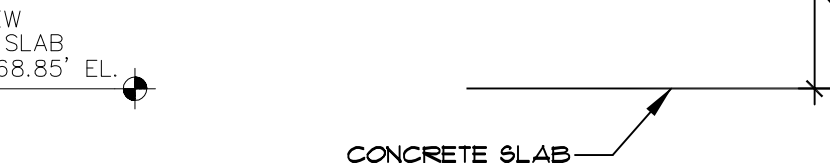
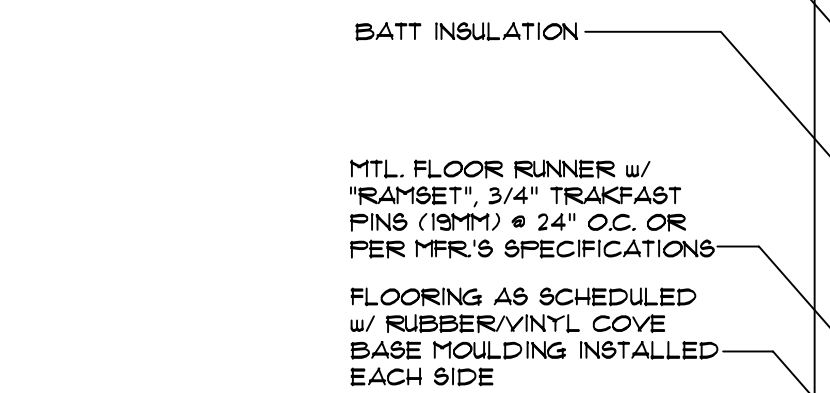
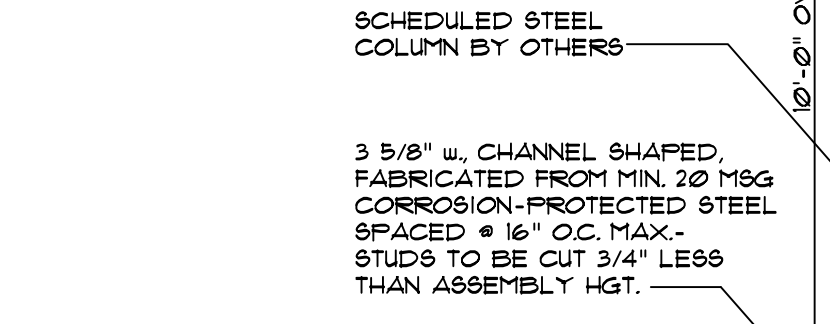
OFFICE
LOBBY AREA



WALL TYPE 'B'

4
A5
1" = 1'-0"

OFFICE
LOBBY AREA



WALL TYPE 'C'

5
A5
1" = 1'-0"

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PERMIT	26 Jun	TAS	TAS

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#	REMARKS

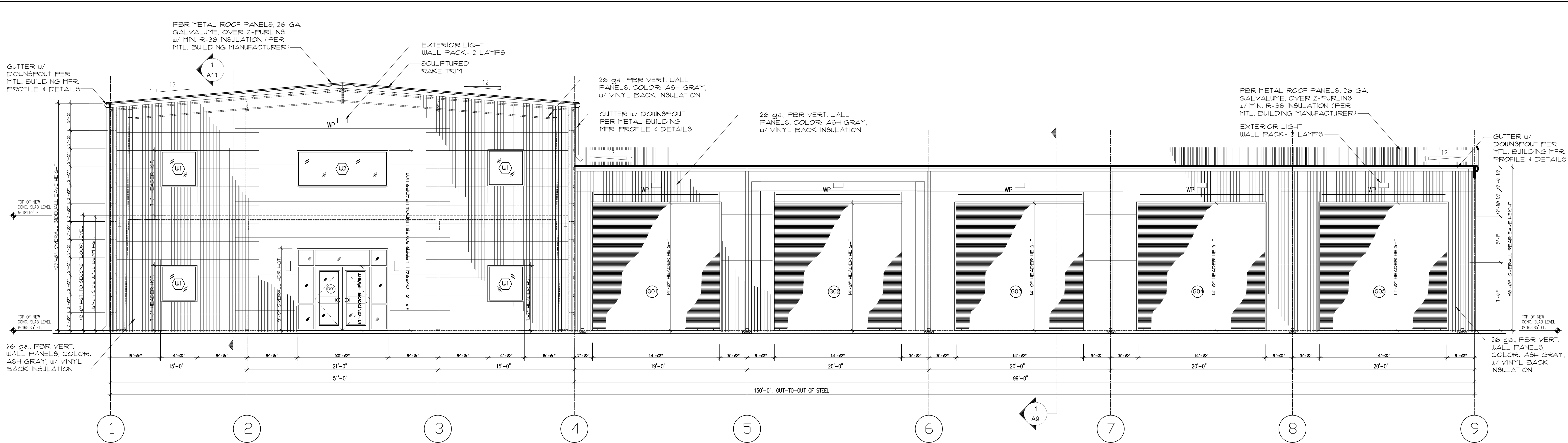
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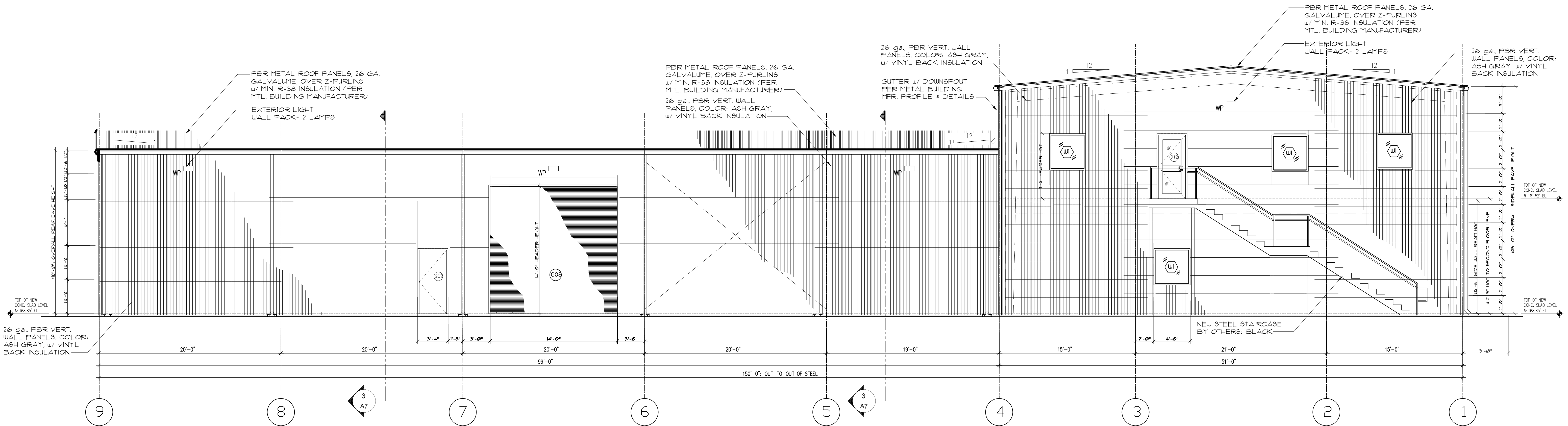
SHEET TITLE
NEW OFFICE
MEZZANINE FRAMING
PLAN & DETAILS

SHEET NUMBER

A5



OVERALL NEW FRONT ELEVATION (WEST)
1
A6
3/16" = 1'-0"



OVERALL NEW REAR ELEVATION (EAST)
2
A6
3/16" = 1'-0"

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Troy Anthony Stencel
Professional Seal of Troy Anthony Stencel, State of Georgia, No. 000000000, Exp. 12/31/2024.
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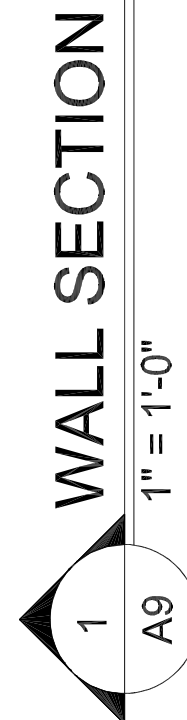
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SHEET TITLE
NEW BUILDING ELEVATIONS

SHEET NUMBER
A6







SHEET NUMBER

A9

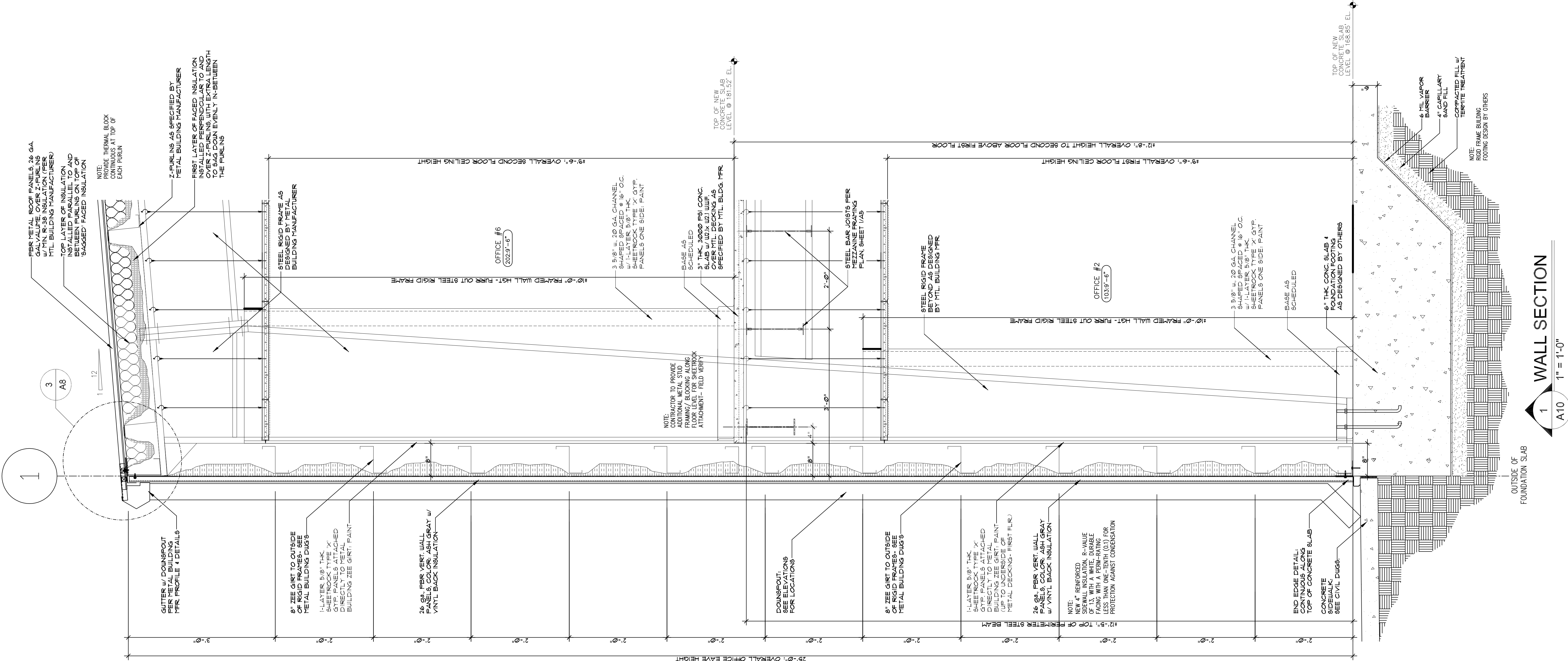
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TROY ANTHONY STENCEL
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Digitally signed
 by Troy
 A. Stencel
 Date: 2024.07.27
 10:00'

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Professional Engineer
No. 12024
Exp. 12/31/2024
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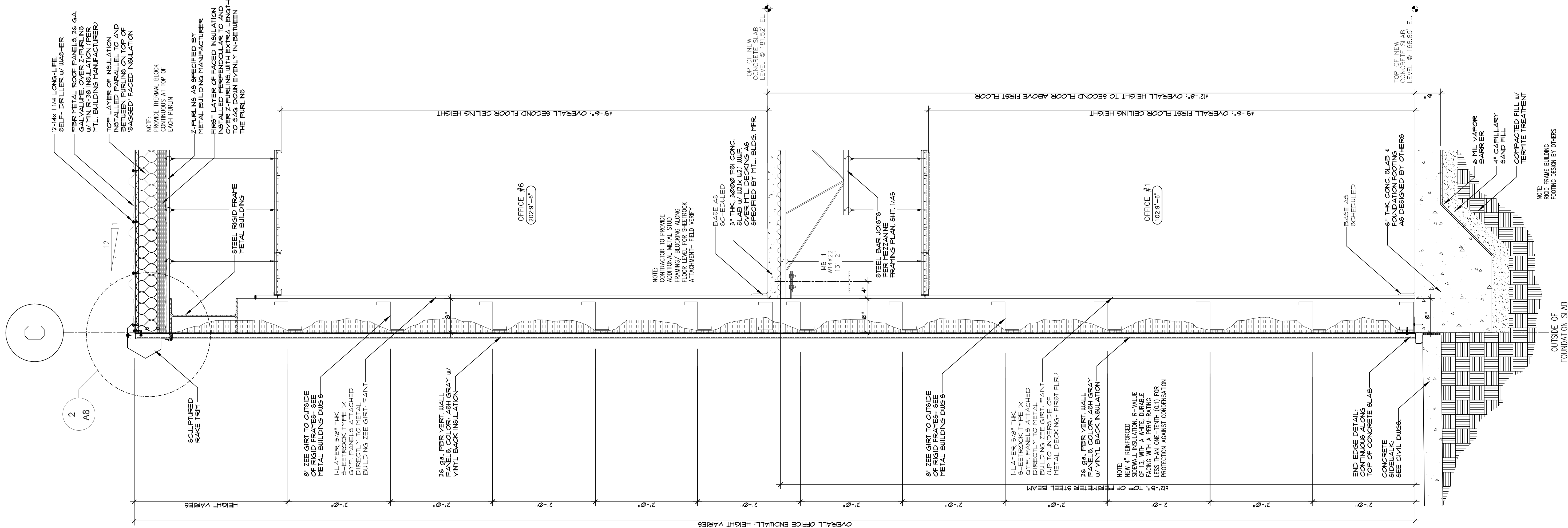
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PROJECT NUMBER
AW24021

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SHEET TITLE
NEW WALL SECTION

SHEET NUMBER
A10

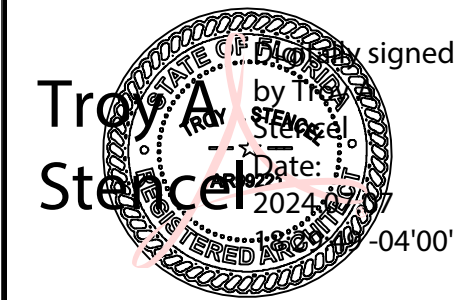


1 WALL SECTION
A11 1" = 1'-0"

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SHEET TITLE			
NEW WALL SECTION			
SHEET NUMBER			

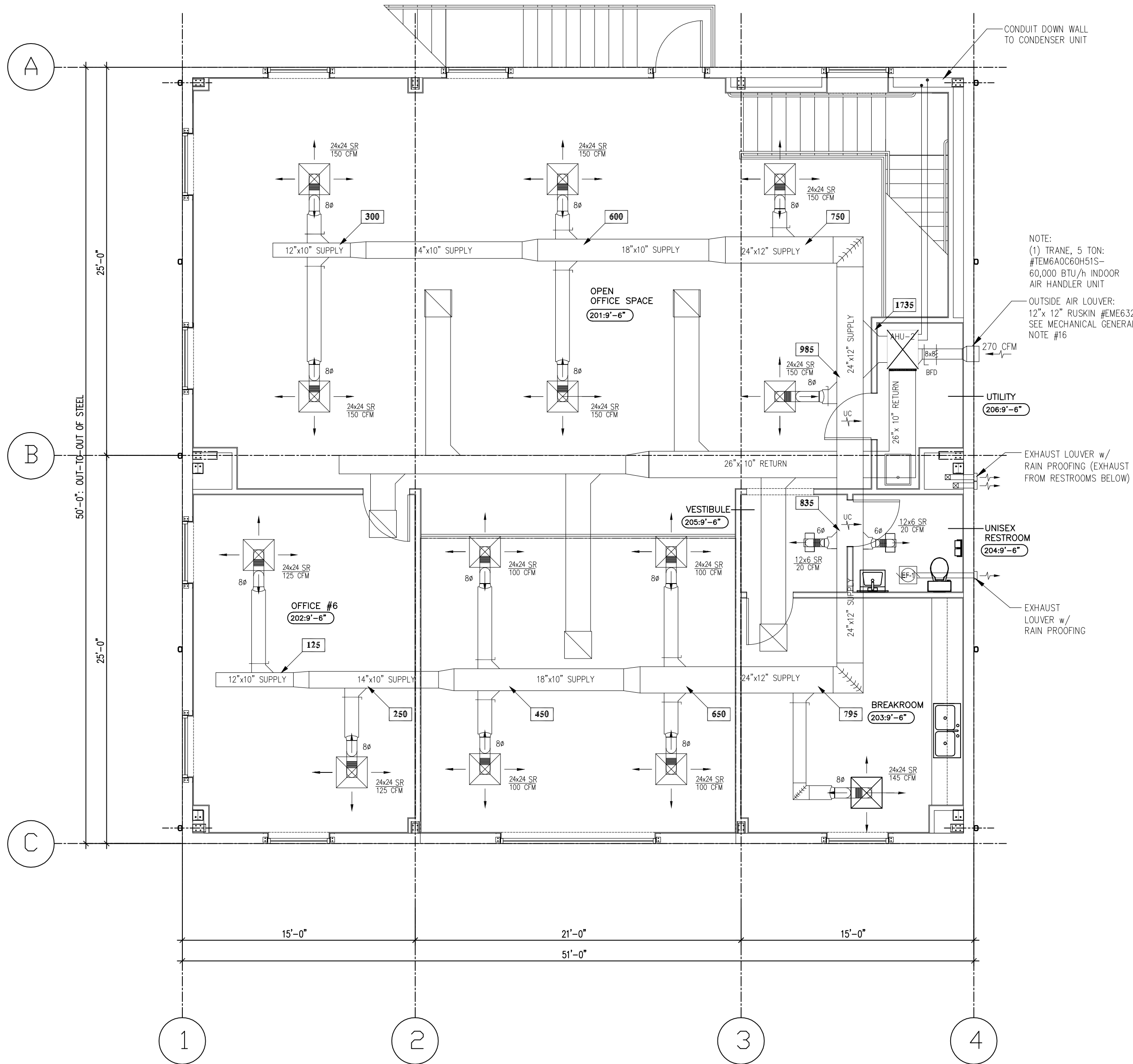
A11



M1 $\frac{3}{16}'' = 1'-0''$



M1	NO SCALE
----	----------



OFFICE: SECOND FLOOR MECHANICAL PLAN
1 M2 3/16" = 1'-0"

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.
- NEW HVAC DUCTWORK (SUSPENDED FROM STRUCTURE)
- UNDERCUT THE DOOR UNIT (3/4" UNDERCUT)

MECHANICAL SPECIFICATIONS:

- 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.
 - 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.
 - IGNORANCE OF CODES, RULES, REGULATION, LAWS, ETC. SHALL NOT RENDER THE MECHANICAL CONTRACTOR IRRESPONSIBLE FOR COMPLIANCE.
 - CONTRACTOR SHALL BE VERSED IN ALL CODES, RULES AND REGULATIONS PERTINENT TO HIS PART OF THE WORK PRIOR TO SUBMISSION OF A PROPOSAL.
 - 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 SPECIFIED.
 - 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.
 - WHERE MINIMUM CODE REQUIREMENTS ARE EXCEEDED IN THE DESIGN OF THE HVAC SYSTEMS, THE DESIGN SHALL GOVERN.
 - 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.
 - 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.
 - 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.
 - 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 TO THE FULL EXTENT SET FORTH IN THE DRAWINGS AND HEREIN SPECIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE FUNCTIONING SYSTEM, UNLESS SPECIFICALLY NOTED OTHERWISE.
 - 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
- 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 CODE.
 - 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
 - EPA -ENVIRONMENTAL PROTECTION AGENCY
 - FBC -FLORIDA BUILDING CODE, BUILDING, FIRE, FUEL GAS, PLUMBING, & MECHANICAL
 - NEC -NATIONAL ELECTRICAL CODE
 - NEMA -NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
 - NFPA -NATIONAL FIRE PROTECTION ASSOCIATION
 - OSHA -OCCUPATIONAL SAFETY AND HEALTH ADM.
 - SMACNA-SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
 - UL -UNDERWRITERS LABORATORIES, INC.
 - 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.
 - THE COMPONENTS AND COMPLETED ASSEMBLIES OF ALL EQUIPMENT FURNISHED SHALL BE U.L. LISTED, IN AN EFFORT TO ENSURE QUALITY PRODUCTS ON THE PROJECT.

TESTS

- 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.
 - 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:
- 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.
 - 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 REPAIRED 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:

- IN ACCORDANCE WITH THE GENERAL CONDITIONS, SHOP DRAWINGS SHALL BE SUBMITTED ON ALL LOTS OF PREFABRICATED MATERIALS.
- DEFINITIONS
- 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.
 - 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".
 - 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

- STEEL HANGER RODS MAY BE THREADED BOTH ENDS, THREADED ONE END, OR CONTINUOUS THREADED.
- INSERTS SHALL BE MALLEABLE IRON CASE OF GALVANIZED STEEL SHELL AND EXPANDER PLUG FOR THREADED CONNECTION WITH LATERAL ADJUST. TOP SLOT FOR REINFORCING RODS, LUGS FOR ATTACHING TO FORMS; SIZE INSERTS TO SUIT THREADED HANGER RODS.
- BEAM CLAMPS SHALL HAVE MALLEABLE IRON JAWS, STEEL BOLT OR TIE ROD AND NUT.
- PRIME COAT EXPOSED STEEL HANGERS AND SUPPORTS, HANGERS AND SUPPORTS LOCATED IN CRAWL SPACES, PIPE SHAFTS, AND SUSPENDED CEILING SPACES ARE NOT CONSIDERED EXPOSED.
- PROVIDE INSERTS FOR SUSPENDING HANGERS FROM REINFORCED CONCRETE SLABS AND SIDES OF REINFORCED CONCRETE BEAMS.
- PROVIDE HOOKED ROD TO CONCRETE REINFORCEMENT SECTION FOR INSERTS CARRYING PIPE OVER 4 INCHES.
- WHERE CONCRETE SLABS FORM FINISHED CEILING, PROVIDE INSERTS TO BE FLUSH WITH SLAB SURFACE.
- 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 WITH SLAB.

DUCTWORK

- DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. FOR LINED DUCTS, MAINTAIN SIZES INSIDE LINING.
- TO BE NON-COMBUSTIBLE OR CONFORMING TO REQUIREMENTS FOR CLASS 1 AIR DUCT MATERIALS, OR UL 181.
- 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.
- STEEL DUCTS SHALL BE ASTM A625 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 A90.
- 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.
- INSULATED FLEXIBLE DUCT SHALL BE FLEXIBLE DUCT WRAPPED WITH FLEXIBLE GLASS FIBER INSULATION, ENCLOSED BY SEAMLESS ALUMINUM PIGMENTED PLASTIC VAPOR BARRIER JACKET.
- FASTENERS MAY BE RIVETS, BOLTS OR SHEET METAL SCREWS.
- SEALANT MUST BE NON-HARDENING, WATER RESISTANT, FIRE RESISTIVE, COMPATIBLE WITH MATING MATERIALS, LIQUID USED ALONG OR WITH TAPE, OR HEAVY MASTIC.
- LOCATE DUCTS WITH SUFFICIENT SPACE AROUND EQUIPMENT TO ALLOW NORMAL OPERATING AND MAINTENANCE ACTIVITIES.
- DURING CONSTRUCTION, PROVIDE TEMPORARY CLOSURES OF METAL OR TAPED POLYETHYLENE ON OPEN DUCTWORK TO PREVENT CONSTRUCTION DUST FROM ENTERING DUCTWORK SYSTEM.

LOW PRESSURE DUCTWORK

- 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 INDICATED.
- 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 OR SIZES PERMITTED EXCEPT BY WRITTEN PERMISSION.
- 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 TURNING VANES.
- 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.
- USE CRIMP JOINTS WITH OR WITHOUT BEAD FOR JOINING ROUND DUCT SIZES 8 INCHES AND SMALLER WITH CRIMP IN DIRECTION OF AIR FLOW.

INSULATION

- 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 BIOCIDES RATED FOR MAXIMUM 400 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.
- 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.
- 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.
- ADHESIVES MUST BE WATERPROOF FIRE-RETARDANT TYPE.

- LAGGING ADHESIVE MUST BE FIRE RESISTIVE TO ASTM E84, NFPA 255, UL723.
- IMPALE ANCHORS SHALL BE GALVANIZED STEEL, 12 GAGE, SPOT WELDED OR SELF-ADHESIVE PAD. NO ANCHORS SHALL PENETRATE DUCT WALLS.
- JOINT TAPE SHALL BE GLASS FIBER CLOTH, OPEN MESH.
- TIE WIRE SHALL BE ANNEALED STEEL, 16 GAGE.
- INSTALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 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.
- DUCTWORK DIMENSIONS INDICATED ARE NET INSIDE DIMENSIONS REQUIRED FOR AIR FLOW.
- SUPPLY AND RETURN DUCTS SHALL BE INSULATED.
- OUTSIDE AIR DUCTS SHALL BE FLEXIBLE OR GALV. STEEL, EXTERNALLY INSULATED TO R-VALUE OF 4.5 (6.0 NOT REQUIRED).
- INTERIOR EXHAUST DUCT FROM TOILET ROOMS AND DRYER SHALL NOT REQUIRE INSULATION.

HANGERS

- ALL DUCT HANGERS IN DIRECT CONTACT WITH GALVANIZED DUCT SHALL BE GALVANIZED STEEL.
- 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.
- WHERE TRAPEZE HANGERS ARE USED, THE BOTTOM OF THE DUCT SHALL BE SUPPORTED TO ANGLE SIZED AS 1" X 1" X 18" FOR DUCTS UP TO 34" FOR ROUND DUCTS, THE ANGLE SHALL CONFORM TO THE BOTTOM 120 DEGREES OF THE DUCT).
- 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.
- DUCT HANGERS DIRECTLY IN CONTACT WITH OR DIRECTLY ATTACHED TO STAINLESS STEEL DUCTS SHALL BE STAINLESS STEEL.
- 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 FURNISH CHANNELS AND SHALL RUN UNDER DUCTWORK IN QUESTION FROM WHICH ADDITIONAL CEILING HANGERS SHALL BE SUPPORTED.

PERMITTED DUCT MATERIAL USAGE

- HVAC SUPPLY & RETURN MAY BE INSULATED GALV. STEEL, OR INSULATED FLEXIBLE
- OUTSIDE AIR MUST BE EXTERNALLY INSULATED GALVANIZED STEEL.
- TOILET EXHAUST SHALL BE GALVANIZED STEEL, NO INSULATION.

POWER VENTILATORS

- MANUFACTURERS SHALL BE GREENHECK, PENN, BROAN, NUTONE OR APPROVED EQUAL.
- 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 DAMPER IN DISCHARGE.
- DISCONNECT SWITCH SHALL BE FACTORY WIRED, NON-FUSIBLE, IN HOUSING FOR THERMAL OVERLOAD PROTECTED MOTOR.
- GRILLE SHALL BE MOLDED WHITE PLASTIC OR ALUMINUM WITH BAKED WHITE ENAMEL FINISH.
- SPEED CONTROLLER TO BE SOLID STATE.
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

DIFFUSERS, REGISTERS AND GRILLES

- FURNISH AND INSTALL WHERE SHOWN ON DRAWINGS ALL REGISTERS, GRILLES, DIFFUSERS AND LOUVERS IN ACCORDANCE WITH THE TABULATION IN THE SCHEDULE ON DRAWINGS.
- PROVIDE ACCESSORIES AND MODIFICATIONS AS INDICATED IN SCHEDULE NOTES.
- MANUFACTURER LISTED IN SCHEDULE IS FOR DESIGN SELECTION ONLY. REGISTERS, GRILLES, AND DIFFUSERS AS MANUFACTURED BY PRICE, KRUEGER, TITUS, METALAIR OR APPROVED EQUAL WILL BE ACCEPTED.

DUCT ACCESSORIES

- INSTALL ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 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.
- PROVIDE BACKDRAFT DAMPERS ON EXHAUST FANS OR EXHAUST DUCTS NEAREST TO OUTSIDE AND WHERE INDICATED.
- 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.
- FABRICATE SINGLE BLADE DAMPERS FOR DUCT SIZES TO 12 INCH.
- 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.
- EXCEPT IN ROUND DUCTWORK 12 INCHES AND SMALLER, PROVIDE END BEARINGS, ON MULTIPLE BLADE DAMPERS, PROVIDE OIL-IMPREGNATED NYLON OR SINTERED BRONZE BEARINGS.
- PROVIDE LOCKING, INDICATING QUADRANT REGULATORS ON SINGLE AND MULTI-BLADE DAMPERS, WHERE ROD LENGTHS EXCEED 30 INCHES PROVIDE REGULATOR AT BOTH ENDS.

BACKDRAFT DAMPERS

- DAMPERS SHALL BE AIR BALANCE, VENT COCK, ANEMOSTAT, RUSKIN, CESCO OR APPROVED EQUAL.
- GRAVITY BACKDRAFT DAMPERS, SIZE 18X18 INCHES OR SMALLER, FURNISHED WITH AIR MOVING EQUIPMENT, MAY BE AIR MOVING EQUIPMENT MANUFACTURER'S STANDARD CONSTRUCTION.
- 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

- AIR TURNING VANES SHALL BE BARBER/COLMAN, TUTTLE AND BAILEY, ANEMOSTAT, METALAIR OR APPROVED EQUAL.
- MULTI-BLADE DEVICE WITH BLADES ADJUSTED IN SHORT DIMENSION, STEEL OR ALUMINUM CONSTRUCTION, WITH INDIVIDUALLY ADJUSTABLE BLADES, MOUNTING STRAPS, PROVIDE IN ALL SQUARE TURNS.

FLEXIBLE DUCT CONNECTIONS

- SHALL BE VENT FABRIC 6" VENTGLAS, ANEMOSTAT, BARBER/COLMAN OR APPROVED EQUAL.
- FABRICATE IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS 1ST EDITION, 1985.
- 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 EDGING STRIP.

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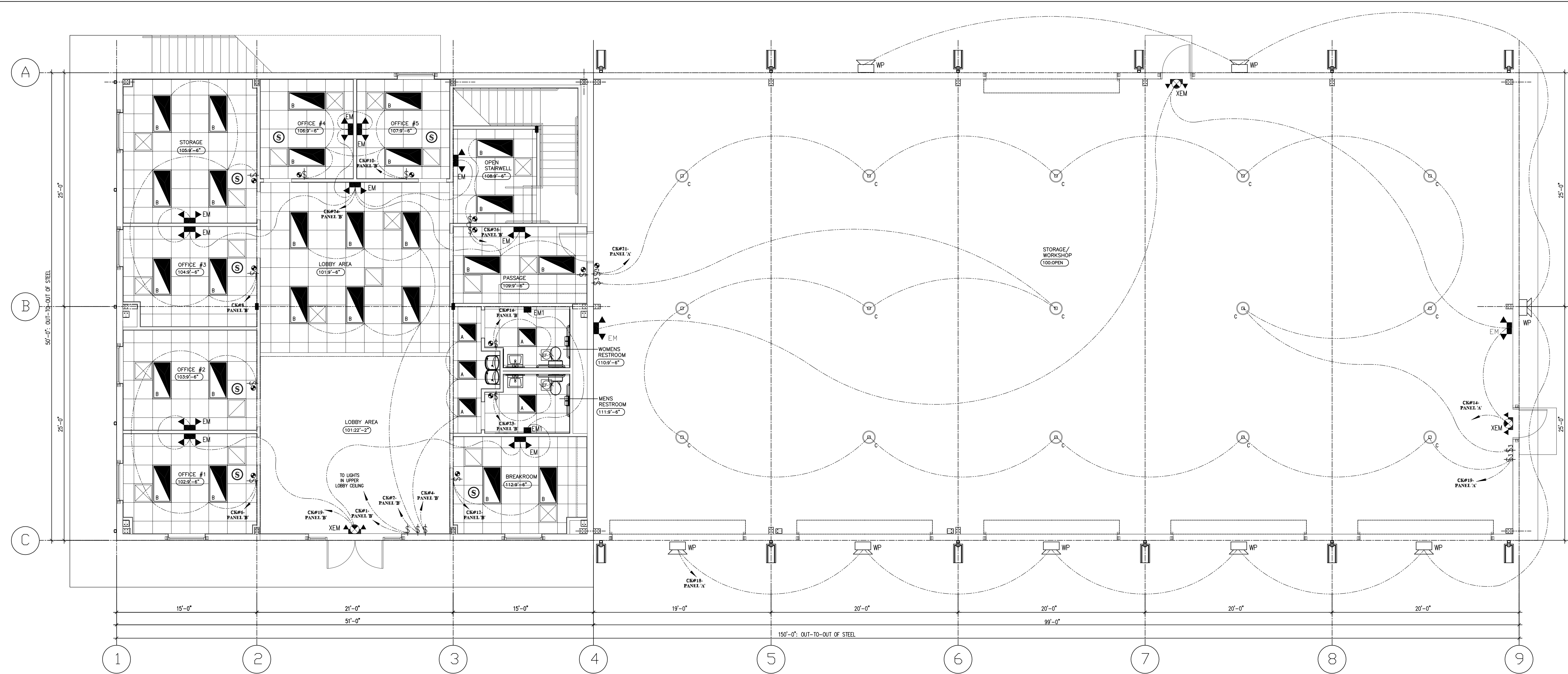
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REVISIONS		
#	DATE	REMARKS

PROJECT NUMBER	
AW24021	
PHASE	
RELEASE FOR PERMIT	
SHEET TITLE	

NEW OFFICE SECOND FLOOR MECHANICAL PLAN & SPECIFICATIONS

SHEET NUMBER

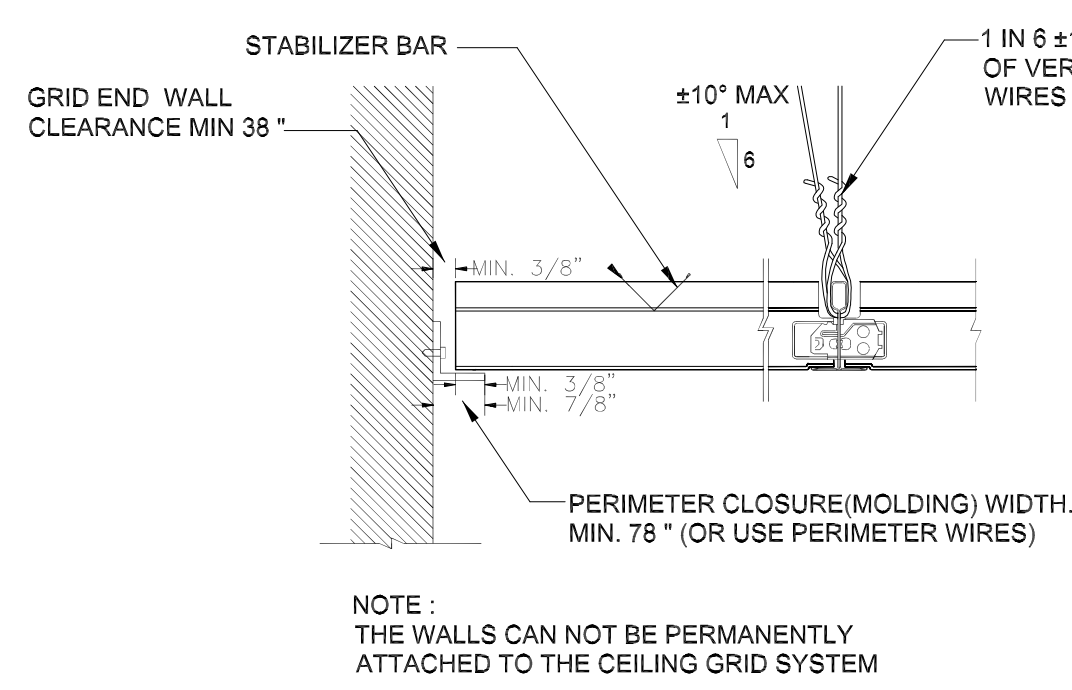


1
OVERALL FIRST FLOOR LIGHTING PLAN
3/16" = 1'-0"

CEILING NOTES:

- A. MISCELLANEOUS:
- ACOUSTICAL TILE CEILING TO BE: AR18TRONG 24"x24"x8" - WHITE (TYPE #613) THROUGHOUT FIRST FLOOR OFFICE AREA.
 - NEW SUSPENDED METAL GRID THROUGHOUT SECOND FLOOR AT 9'-6" AFF. IN FINISHED AREA.
 - CONTRACTOR TO FIELD COORDINATE LOCATION OF ALL ELECTRICAL FIXTURES, MECHANICAL DIFFUSERS & RETURN GRILLE WITH TRADES. LOCATE NIGHT LIGHT AS SHOWN.
 - CONTRACTOR TO INSTALL NEW WALL MOUNTED EXIT LIGHT/SIGN AND INTERIOR & EXTERIOR EMERGENCY WALL PACKS AS INDICATED.
 - 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-NINE (29) NEW 2'x4' LED TROFFERS, 36 WATTS EACH
THEREFORE TOTAL WATTAGE: 936.0 WATTS- UNIT PANEL 'B'
c. FIFTEEN (15) NEW 2" DIA. LED HIGH BAY, 150 WATTS EACH
THEREFORE TOTAL WATTAGE: 2,250.0 WATTS- UNIT PANEL 'A'.
 - CONTRACTOR TO PROVIDE NEW EXHAUST FAN IN BATHROOM.
 - ALL EXTERIOR LIGHTING ON DUSK-TO-DAWN PHOTOCCELL.

LIGHTING FIXTURE SCHEDULE					
FIXTURE MARK	MANUFACTURER	MODEL	VOLTAGE	LAMP	DESCRIPTION
A	LITHONIA	2VTL2 (LP940)	120 V	(2)36 W LED	2X2 LAY-IN TROFFER 2 LAMP-STEEL FRAME
B	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
C	COLUMBIA LIGHTING	CRB-50MM-EDU	120V-277 V	150 W LED	12" DIA. DIE-CAST ALUMINUM: CHAIN CABLE SUPPORT FROM STRUCTURE



2
SUSPENDED CEILING DETAIL
NOT TO SCALE

LEGEND:

- XEM NEW COMBINATION LIGHTED EXIT SIGN AND EMERGENCY LIGHT WITH BATTERY BACK-UP
- A NEW 2'x 2' LED LAY-IN TROFFER IN NEW SUSPENDED METAL GRID
- B NEW 2'x 4' LED LAY-IN TROFFER IN NEW SUSPENDED METAL GRID
- EM NEW BATHROOM EXHAUST FAN
- EM1 NEW 2'x2' METAL SUSPENDED GRID AT 9'-6" AFF.
- WP NEW EMERGENCY WALL PACK-2 LAMPS; RECHARGEABLE TYPE
- EM1 NEW 1 HEAD EMERGENCY LIGHT WITH BATTERY BACK-UP
- WP NEW LED EXTERIOR WALL PACK: WALL MOUNTED
- S NEW CEILING MOUNTED SMOKE DETECTOR
- SW NEW WALL SWITCH OCCUPANCY SENSOR

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2024
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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
PERMIT	26 Jun	TAS	TAS

REVISIONS

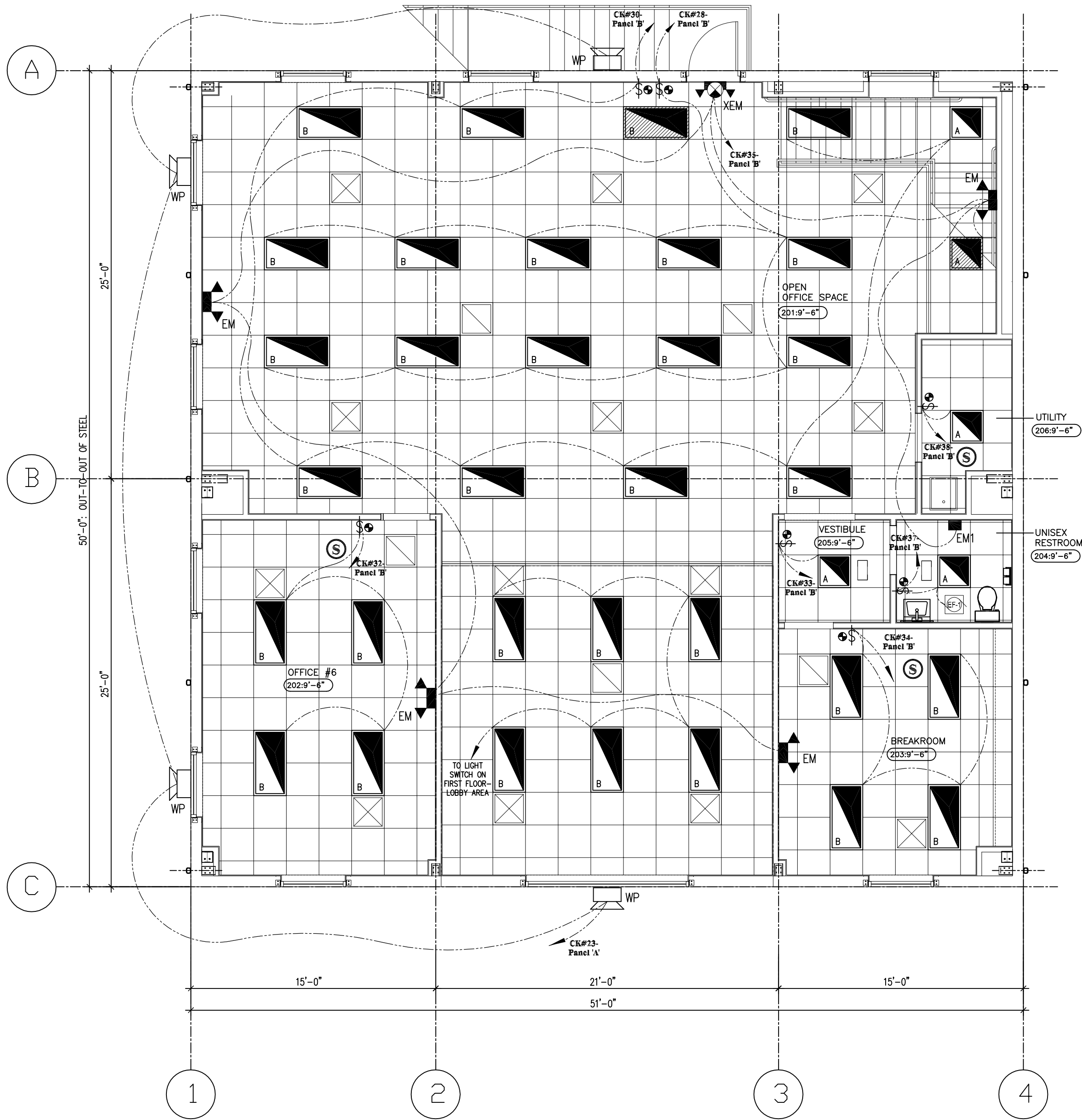
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PROJECT NUMBER
AW24021

PHASE
RELEASE FOR PERMIT

SHEET TITLE
NEW OVERALL FIRST FLOOR LIGHTING PLAN, DETAILS & NOTES

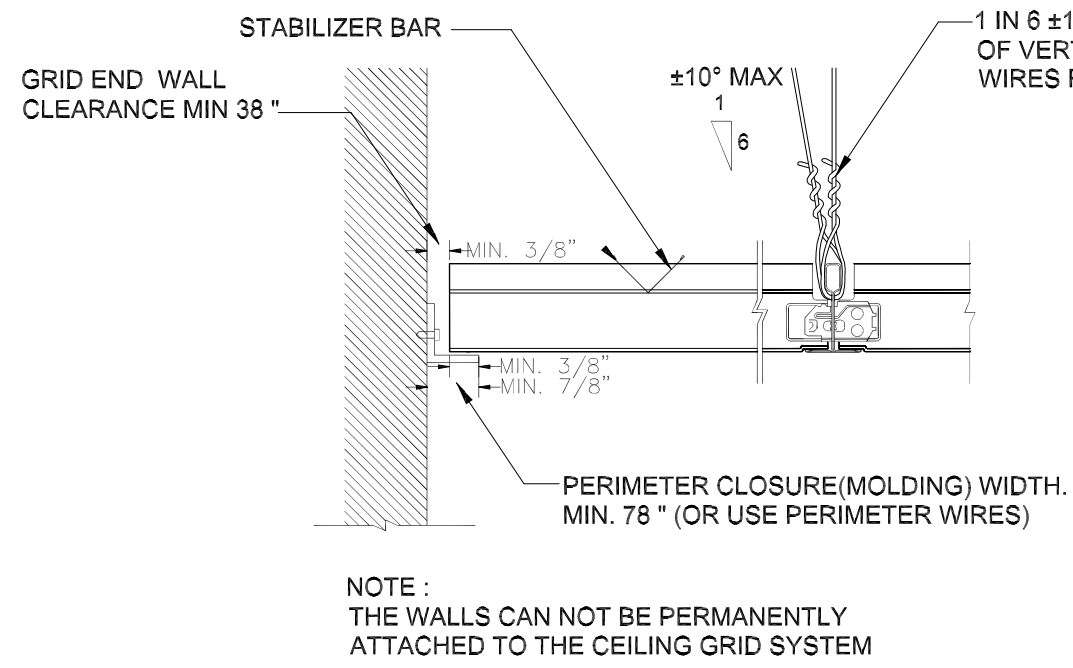
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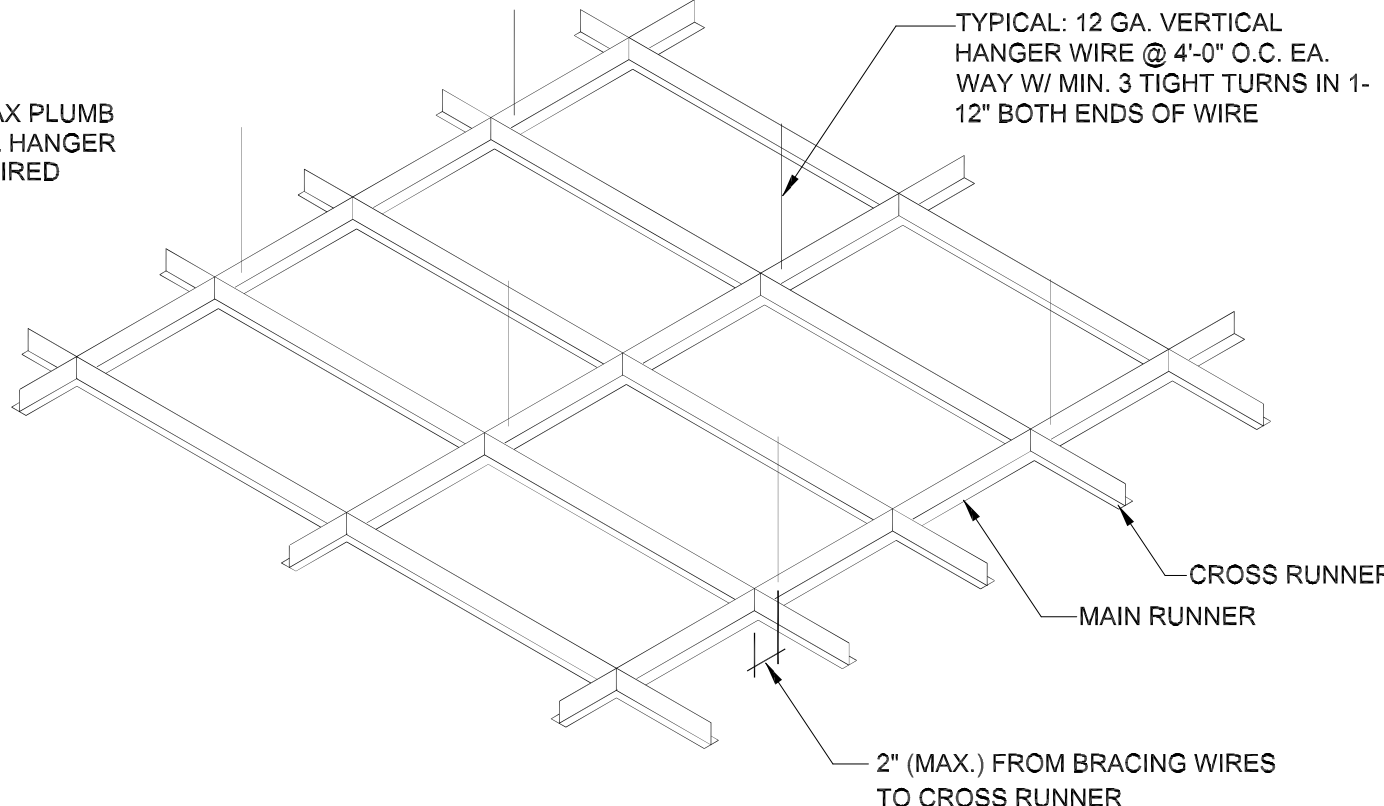
CEILING NOTES:

- A. MISCELLANEOUS:
- ACOUSTICAL TILE CEILING TO BE: AR18TRONG 24"x24"x3/8" - WHITE (TYPE #613) THROUGHOUT SECOND FLOOR.
 - NEW SUSPENDED METAL GRID THROUGHOUT SECOND FLOOR AT 9'-6" AFF. IN FINISHED AREA.
 - CONTRACTOR TO FIELD COORDINATE LOCATION OF ALL ELECTRICAL FIXTURES, MECHANICAL DIFFUSERS & RETURN GRILLE WITH TRADES. LOCATE NIGHT LIGHT AS SHOWN.
 - CONTRACTOR TO INSTALL NEW WALL MOUNTED EXIT LIGHT/SIGN AND INTERIOR & EXTERIOR EMERGENCY WALL PACKS AS INDICATED.
 - 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 F.E.C. - ENERGY CONSERVATION CODE, 8th EDITION, SECTION C403.
 - a. FIVE (5) NEW 2'x2' LED TROFFERS, 18 WATTS EACH THEREFORE TOTAL WATTAGE: 90W WATTS - UNIT PANEL 'B'.
 - b. THIRTY-TWO (32) NEW 2'x4' LED TROFFERS, 36 WATTS EACH THEREFORE TOTAL WATTAGE: 1152W WATTS - UNIT PANEL 'B'.
 - CONTRACTOR TO PROVIDE NEW EXHAUST FAN IN BATHROOM.
 - ALL EXTERIOR LIGHTING ON DUSK-TO-DAWN PHOTOCELL.

LIGHTING FIXTURE SCHEDULE					
FIXTURE MARK	MANUFACTURER	MODEL	VOLTAGE	LAMP	DESCRIPTION
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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



2
E2
NOT TO SCALE



LEGEND:

- XEM NEW COMBINATION LIGHTED EXIT SIGN AND EMERGENCY LIGHT WITH BATTERY BACK-UP
- A NEW 2'x2' LED LAY-IN TROFFER IN NEW SUSPENDED METAL GRID
- B NEW 2'x4' LED LAY-IN TROFFER IN NEW SUSPENDED METAL GRID
- NEW BATHROOM EXHAUST FAN
- NEW 2'x2' METAL SUSPENDED GRID AT 9'-6" AFF.
- EM NEW EMERGENCY WALL PACK-2 LAMPS; RECHARGEABLE TYPE
- EM1 NEW 1 HEAD EMERGENCY LIGHT WITH BATTERY BACK-UP
- WP NEW LED EXTERIOR WALL PACK; WALL MOUNTED
- S NEW CEILING MOUNTED SMOKE DETECTOR
- NEW WALL SWITCH OCCUPANCY SENSOR

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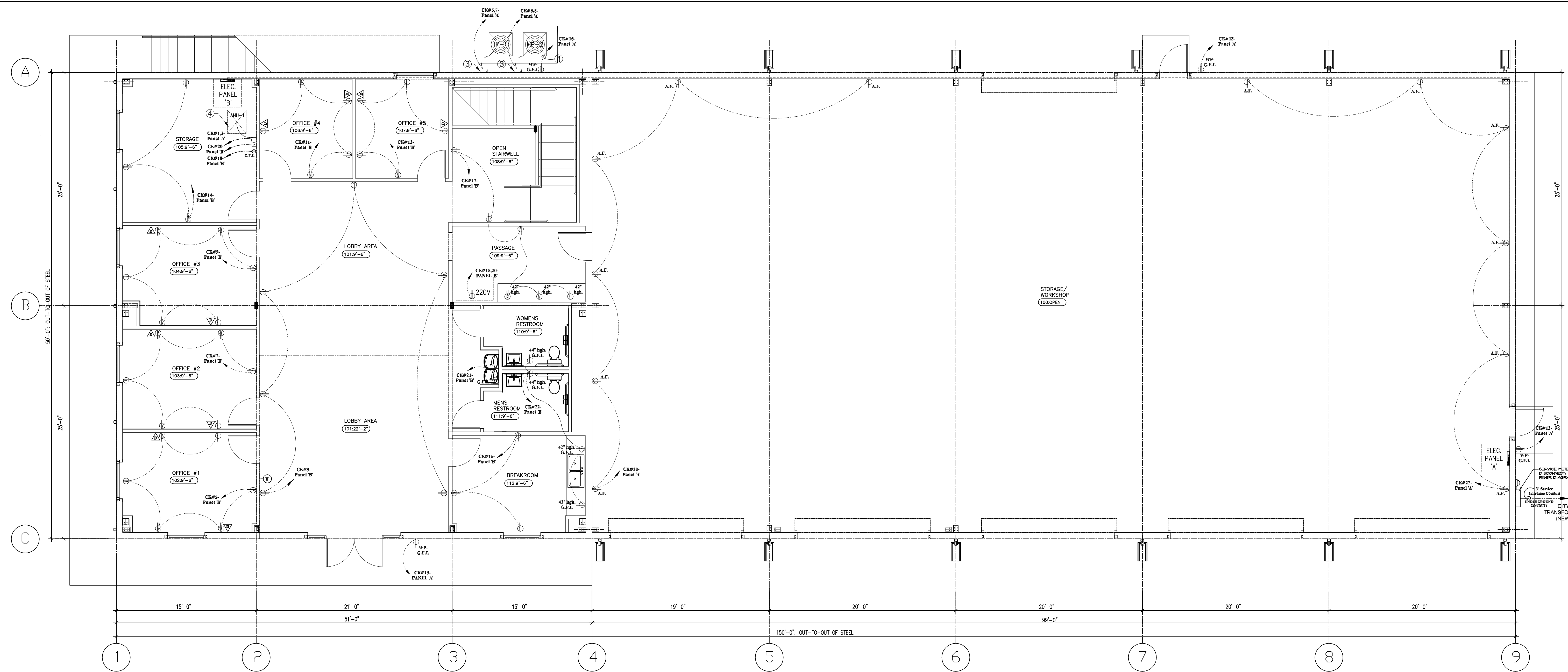
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SUBMITTAL					
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PERMIT	26 Jun	TAS	TAS		
REVISIONS					
#	DATE	REMARKS			
PROJECT NUMBER AW24021					
PHASE RELEASE FOR PERMIT					
SHEET TITLE NEW OFFICE SECOND FLOOR LIGHTING PLAN, DETAILS & NOTES					
SHEET NUMBER E2					



1
E3
OVERALL FIRST FLOOR POWER PLAN
3/16" = 1'-0"

ELECTRICAL NOTES:

- A. MISCELLANEOUS:
- ALL ELECTRICAL WORK TO BE BY NATIONAL ELECTRICAL CODE (NFPA 70- 2020 EDITION). PROVIDE RECEPTACLES AS NOTED ON POWER PLAN.
 - EXIT, EMERGENCY & NIGHT LIGHTS SHALL BE WIRED AHEAD OF ANY LOCAL SWITCHES. PROVIDE LOOK TAB ON LIGHT CIRCUITS WHICH FEED POWER TO EXIT, EMERGENCY & NIGHT LIGHT FIXTURE.
 - PRIOR TO INSTALLATION OF SWITCHES & WIRING, CONTRACTOR SHALL COORDINATE SWITCH LEG WITH ELECTRICIAN. ALL SWITCHES SHALL BE RATED 20 AMPERE, 120V FOR CONTINUOUS OPERATION.
 - NEW TYPICAL ELECTRICAL PANEL: PANEL 'A': 208Y/120VOLT, 3 PHASE, 600 AMP/6 WITH 42 SPACES- 4 WIRE. SEE NEW ELECTRICAL LOAD CALCULATIONS AND PANEL 'B' LAYOUT SHEET E5.
 - 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).
 - NEW BUILDING SHALL INCLUDE MANUAL LIGHTING CONTROLS THAT MEET THE REQUIREMENTS OF SECTION C405.2(1), 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION.
 - 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.
 - 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).
 - CONTROLS FOR AUTOMATIC LIGHTING SYSTEMS SHALL COMPLY WITH SECTION C405.3, LIGHTING SYSTEM FUNCTIONAL TESTING, PER 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION.
 - PER 2023 FBC- ENERGY CONSERVATION CODE, 8th EDITION, SECTION C405, THE TOTAL INTERIOR LIGHTING ALLOWANCE (WATTS) ACCORDING TO TABLE C405.3.2(1) USING THE BUILDING AREA METHOD IS 14840 WATTS (OFFICE LPT: 82 w/f12 x 1810 f12 = 14840 WATTS). NEW LED LIGHTING AS SPECIFIED HAS A TOTAL INSTALLED WATTAGE OF 10260 WATTS (5 TOTAL FIXTURES x 18 WATTS + 26 TOTAL FIXTURES x 36 WATTS = 10260 WATTS).
 - 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.
 - PROVIDE A 220-VOLT OUTLET IN PASSAGE AREA, RM. 109, FOR COPIER.

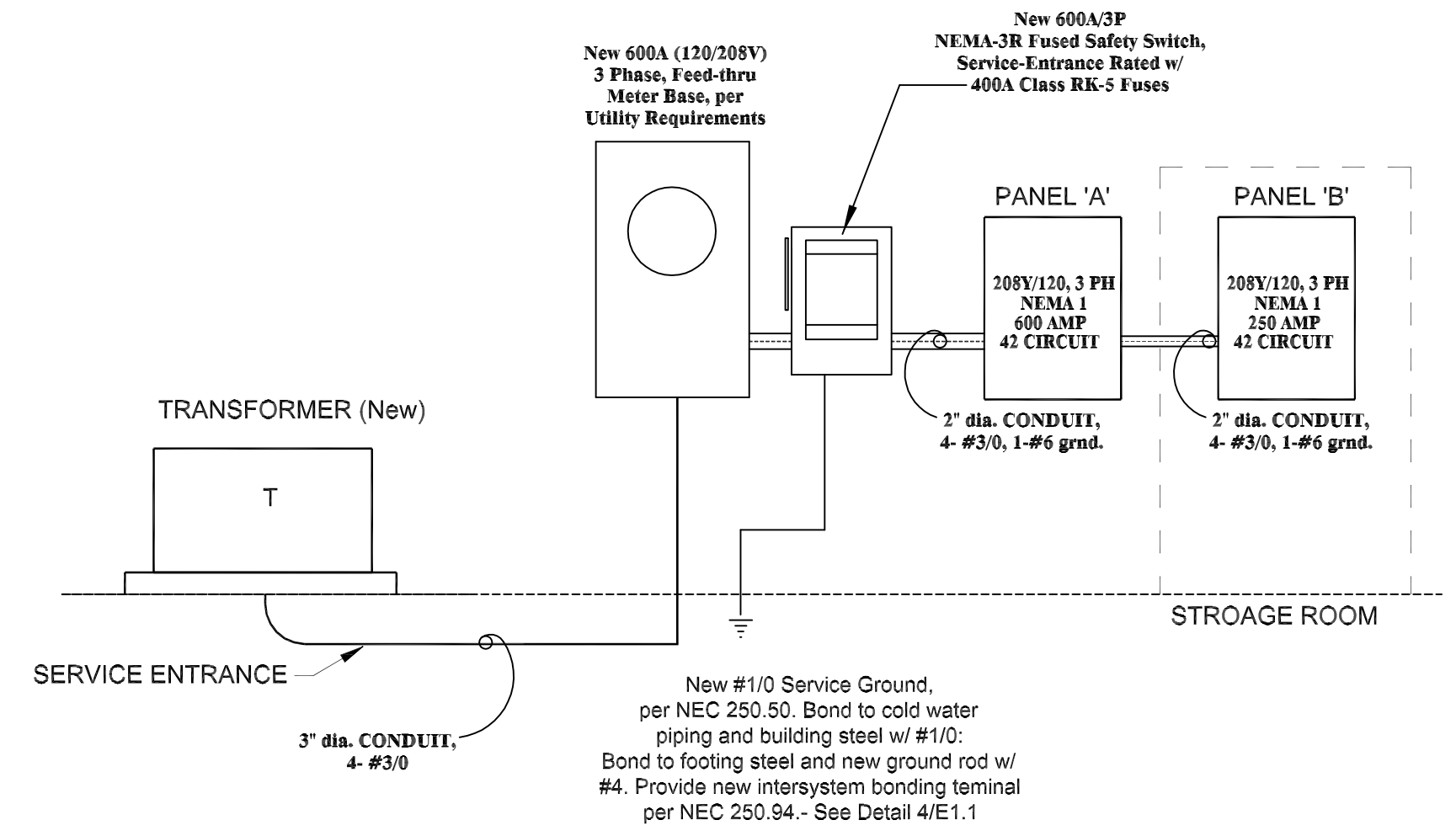
ELECTRICAL LEGEND:

- NEW 110V ELECTRICAL DUPLEX OUTLET- HEIGHTS VARY
- NEW 110V ELECTRICAL DUPLEX OUTLET- HEIGHTS VARY
- SWITCH OCCUPANCY SENSORS
- JUNCTION BOX & DISCONNECT SWITCH
- LOCATE NEW HVAC THERMOSTAT
- JUNCTION BOX

POWER PLAN NOTES:

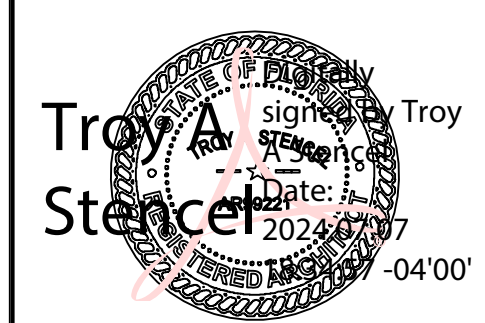
- PROVIDE LOCKING COVER FOR RECEPTACLE.
- TWO 10 AWG THWN CU & ONE 10 AWG CU GRND IN 3/4" CONDUIT. PROVIDE 20A/1P MOLDED CASE SWITCH FOR DISCONNECT. CONNECT WATER HEATER.
- PROVIDE 20A/2P N.F. NEMA-3R SAFETY SWITCH w/ 3/4" CONDUIT- TWO (2) #14 & ONE (1) #14 GRND, TO PANEL.
- PROVIDE POWER/ CONTROL WIRING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

2
E3
ELECTRICAL PANEL
NO SCALE



3
E3
POWER RISER DIAGRAM
NO SCALE

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SUBMITTAL			
PHASE	DATE	DRAWN	CHECK
PERMIT	26 Jun	TAS	TAS
REVISIONS			
#	DATE	REMARKS	
PROJECT NUMBER			
AW24021			
PHASE			
RELEASE FOR PERMIT			
SHEET TITLE			
NEW OVERALL FIRST FLOOR POWER PLAN, DETAILS & NOTES			
SHEET NUMBER			
E3			

Branch Panel: 'A'				Vols: 208Y1120				A.I.C. Rating: 10.00 A							
Location: STORAGE/WAREHOUSE				Phases: 3				Mains Type: MLC							
Supply From: NEW TRANSFORMER				Wires: 4				Mains Rating: 800.00 A							
Mounting: SURFACE															
Enclosure: NEMA 1															
CKT	Circuit Description	Tri p	Poles	A	B	C	Poles	Tri p	Circuit Description	CKT					
1	AHU-1	35 A	2	4080 4080			2	35 A	AHU-2	2					
3	--	--	--		4080 4080		--	--	--	4					
5	HP-1	45 A	2			3360 3360	2	45 A	HP-2	6					
7	--	--	--	3360 3360			--	--	--	8					
9	AHU-1 GFI RECEPTACLE	20 A	1		180 180		1	20 A	AHU-2 GFI RECEPTACLE	10					
11	DUCT SMOKE-DETECTOR	20 A	1			120 120	1	20 A	DUCT SMOKE-DETECTOR	12					
13	WP EXT. GFI RECEPTACLES	20 A	1	900 940			1	20 A	EXT/ EMERGENCY LIGHTING	14					
15	WATER HEATER	60 A	2		2200 1000		1	20 A	HP WP GFI RECEPTACLE	16					
17	--	--	--			2200 800	1	20 A	EXT. WALL PACKS (STOR / WARE)	18					
19	LIGHTS (STORAGE/ WAREHOUSE)	20 A	1	1200 1080			1	20 A	RECEPTACLES (STORAGE/ WAREHOUSE)	20					
21	LIGHTS (STORAGE/ WAREHOUSE)	20 A	1		1050 1080		1	20 A	RECEPTACLES (STORAGE/ WAREHOUSE)	22					
23	EXT. WALL PACKS (OFFICE)	20 A	1			400	1	20 A	S.P.A.R.E.	24					
25	S.P.A.R.E.	20 A	1				1	20 A	S.P.A.R.E.	26					
27	S.P.A.R.E.	20 A	1				1	20 A	S.P.A.R.E.	28					
29	S.P.A.R.E.	20 A	1				1	20 A	S.P.A.R.E.	30					
31	S.P.A.R.E.	20 A	1				1	20 A	S.P.A.R.E.	32					
33	S.P.A.C.E.	--	--				--	--	S.P.A.C.E.	34					
35	S.P.A.C.E.	--	--				--	--	S.P.A.C.E.	36					
37	PANEL 'B'	250A	3	12,467			--	--	S.P.A.C.E.	38					
39	--	--	--		12,467		--	--	S.P.A.C.E.	40					
41	--	--	--			12,457	--	--	S.P.A.C.E.	42					
Total Load:				31,067 VA	28,317 VA	22,827 VA									
Total Amps:				258.88 A	219.31 A	190.23 A									
Load Classification				Connected Load	Demand Factor	Estimated Demand	Panel Totals								
LIG HTING				3,990 VA	125.00%	4,986 VA	Total Conn. Load: 80,211 VA								
GFI RECEPTACLE				4,420 VA	100.00%	4,420 VA	Total Est. Demand: 9,208 VA								
HVAC				28,760 VA	100.00%	28,760 VA	Total Conn. Current: 222.81 A								
HEATING				0 VA	0.00%	0 VA	Total Est. Demand Current: 225.58 A								
WATER HEATER				4,400 VA	100.00%	4,400 VA	Non-Coincident Heat/A/C: 0 VA								
MISCELLANEOUS (PANEL 'B')*				37,401 VA	100.00%	37,401 VA	Total Est. Demand Current-NC: 225.58 A								
							Total Est. Demand Load-NC: 81,209 VA								
MISCELLANEOUS				240 VA	100.00%	240 VA									

Notes:
NEW PANEL. VERIFY LOCATIONS AND SIZES OF BREAKERS ON SITE. UP SIZE BREAKERS ACCORDING TO WHAT IS NEEDED.

Branch Panel: 'B'

Location: STORAGE ROOM

Supply From: NEW TRANSFORMER

Mounting: SURFACE

Enclosure: NEMA 1

Vols: 208Y1120

Phases: 3

Wires: 4

A.I.C. Rating: 10.000

Mains Type: MLC

Mains Rating: 250.00 A

CKT	Circuit Description	Tri p	Poles	A	B	C	Poles	Tri p	Circuit Description	CKT	
1	LIGHTS (LOBBY AREA- 2nd FLR.)	20 A	1	1252	1252		1	20 A	LIGHTS (LOBBY AREA- 1st FLR.)	2	
3	RECEPTALS (LOBBY AREA)	20 A	1		1080	315	1	20 A	LIGHTS (LOBBY AREA @ COOLER)	4	
5	RECEPTALS (OFFICE #1)	20 A	1			1080	835	1	20 A	LIGHTS (OFFICE #1 & #2)	6
7	RECEPTALS (OFFICE #2)	20 A	1	1080	1252		1	20 A	LIGHTS (OFFICE #3 & STORAGE)	8	
9	RECEPTALS (OFFICE #3)	20 A	1		1080	835	1	20 A	LIGHTS (OFFICE #4 & OFFICE #5)	10	
11	RECEPTALS (OFFICE #4)	20 A	1			900	425	1	20 A	LIGHTS (BREAKROOM)	12
13	RECEPTALS (OFFICE #5)	20 A	1	900	540		1	20 A	RECEPTALS (STORAGE)	14	
15	LIGHTS (STAIRWELL & PASSAGE)	20 A	1		835	540	1	20 A	RECEPTALS (BREAKROOM)	16	
17	RECEPTALS (STAIRWELL & PASSAGE)	20 A	1			1080	550	2	20 A	DEDICATED 220V RECEPTACLE (COPIER)	20
19	EXIT/ EMERGENCY LIGHTING	20 A	1	680	550						
21	WATER COOLER "SPCO BREAKERS"	20 A	1		1000	1200		1	20 A	RECEPTALS (GFI- RESTRM./ BREAKRM.)	22
23	MEN'S RESTROOM LIGHTS/ FAN	20 A	1			227	750	1	20 A	EXIT/ EMERGENCY LIGHTING	24
25	RECEPTALS (2nd FLR.- OPEN OFFICE)	20 A	1	1620	227			1	20 A	WOMEN'S RESTROOM LIGHTS/ FAN	26
27	RECEPTALS (2nd FLR.- OFFICE #6)	20 A	1		1620	2090		1	20 A	LIGHTS (2nd FLR.- OPEN OFFICE)	28
29	RECEPTALS (2nd FLR.- CUBICLES)	20 A	1			2160	1565	1	20 A	LIGHTS (2nd FLR.- OPEN OFFICE)	30
31	RECEPTALS (2nd FLR.- BREAKROOM)	20 A	1	720	835			1	20 A	LIGHTS (2nd FLR.- OFFICE #6)	32
33	LIGHTS (2nd FLR.- VESTIBULE)	20 A	1		105	835		1	20 A	LIGHTS (2nd FLR.- BREAKROOM)	34
35	EXIT/ EMERGENCY LIGHTING (2nd FLR.)	20 A	1			720	1200	1	20 A	RECEPTALS (2nd FLR.- GFI RESTRM.)	36
37	UNISX RESTROOM LIGHTS/ FAN	20 A	1	227	105			1	20 A	LIGHTS (2nd FLR.- UTILITY)	38
39	SPARE	20 A	1					1	20 A	SPARE	40
41	SPARE	20 A	1					1	20 A	SPARE	42
Total Load:				11,240 VA	11,535 VA	11,492 VA					
Total Amps:				93.87 A	96.13 A	95.77 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
LIGHTING		12,338 VA		125.00%		15,670 VA		Total Conn. Load: 34,267.0 VA			
EMERGENCY LIGHTING		2,150 VA		100.00%		2,150 VA		Total Est. Demand: 37,423.0 VA			
RECEPTALS		17,900 VA		100.00%		17,900 VA		Total Conn. Current: 165.19 A			
DRINKING FOUNTAIN (Water Cooler)		1,000 VA		100.00%		1,000 VA		Total Est. Demand Current: 103.89 A			
MISCELLANEOUS (LIGHTING/ EXHAUST FANS)				681 VA		100.00%		681 VA		Total Est. Demand Current-NC: 103.89 A	
										Total Est. Demand Load-NC: 37,423.0 VA	

Notes:

NEW PANEL. VERIFY LOCATIONS AND SIZE OF BREAKERS ON SITE. UP SIZE BREAKERS ACCORDING TO WHAT IS NEEDED.

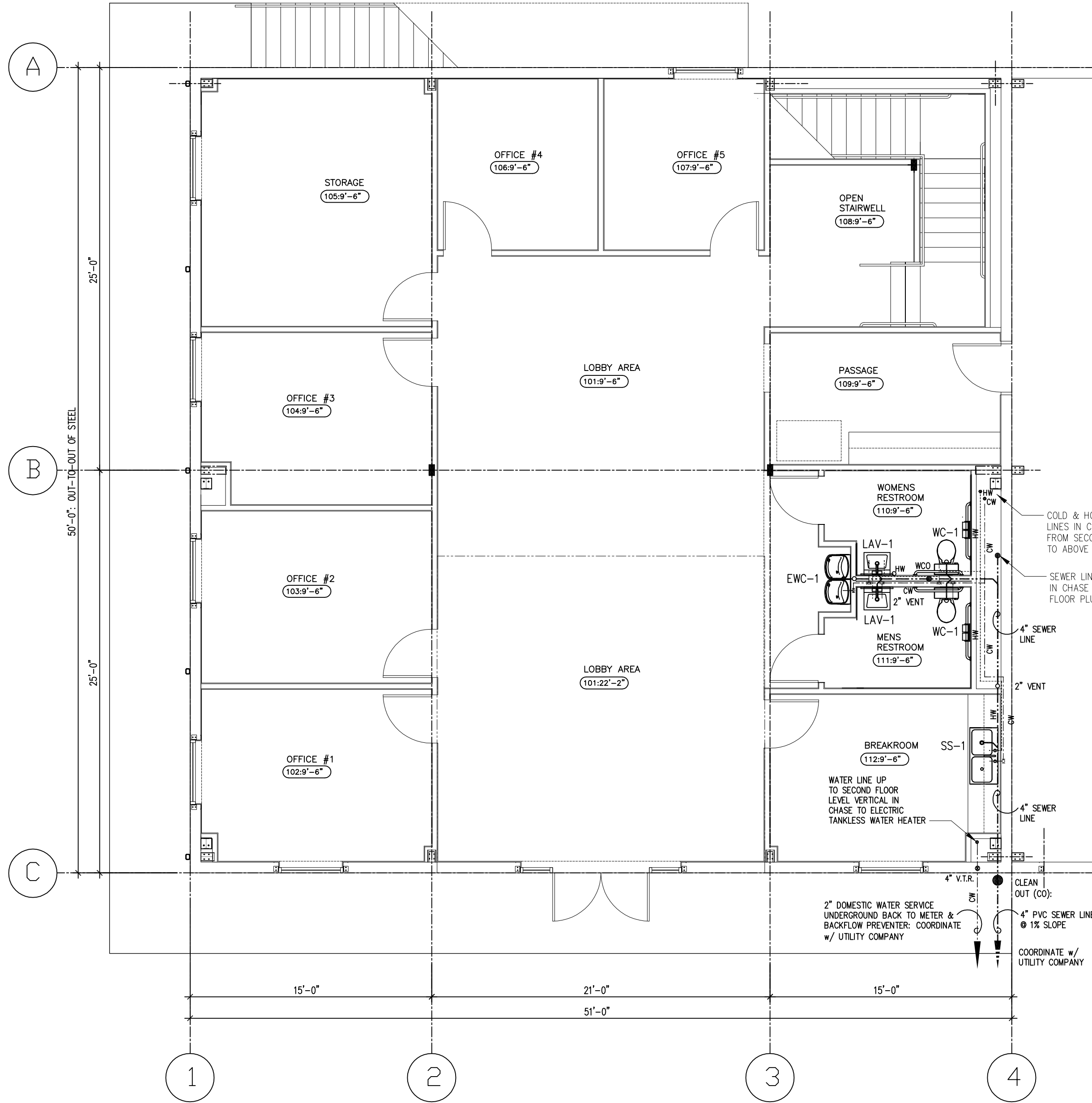
INTERIOR LIGHTING		=	2,250 VA
EMERGENCY LIGHTING		=	540 VA
EXTERIOR WALL PACKS		=	1,200 VA
GEN. PURPOSE RECEPTACLES	NEC 220.14(1) 180 VA	12	= 2,160 VA
GFCI BREAKER RECEPTACLES			= 2,260 VA
WATER HEATER	4,400 VA		= 4,400 VA
MISCELLANEOUS (HVAC SMOKE) HVAC		2	= 240 VA
5 TON AIR HANDLER UNITS	6,160 VA	2	= 13,320 VA
5 TON HEAT PUMP UNITS	6,720 VA	2	= 13,440 VA
PANEL 'B' (DEMAND LOAD)			= 37,401 VA
<u>TOTAL LOAD</u>		=	<u>80,211.0 VA</u>
<u>DEMAND AMPS</u>	@ 380V/3PH	=	<u>222.81 A</u>
<u>NEW SERVICE SIZE (PANEL 'A')</u>		=	<u>600 AMP @ 380V/3PH</u>

INTERIOR LIGHTING	NEC 220.12	3 VA/SF (x 1.25)	3,500 SF	= 12,536 VA
EMERGENCY LIGHTING				= 2,150 VA
GEN. PURPOSE RECEPTACLES	NEC 220.14(1)	180 VA	80	= 14,400 VA
GFCI BREAKER RECEPTACLES				= 2,400 VA
220 VOLT DEDICATED RECEPTACLES			1	= 1,100 VA
EXHAUST FANS			3	= 661 VA
DRINKING FOUNTAIN (Water Cooler)	1,000 VA			= 1,000 VA
TOTAL LOAD				= 34,267.0 VA
DEMAND AMPS		@ 360V/3PH		= 55.19 A
NEW SERVICE SIZE (UNIT PANEL 'B')				= 250 AMP @ 360V/3PH

DISCONNECT SWITCHES SHALL BE QMOB 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 10,000 AIC. CIRCUIT BREAKER MINIMUM 10,000 AIC FOR 120/208V SYSTEM AND MINIMUM 14,000 AIC FOR 277/480V SYSTEM, UNO.

PROVIDE NEW DEVICES AS REQUIRED TO MATCH BASE BUILDING SYSTEM.

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970 S.W. Arlington Boulevard Lake City, Florida 32025											
								TROY ANTHONY STENCEL FLORIDA ARCHITECT #A99221			
SUBMITTAL											
PHASE PERMIT	DATE 26 Jun	DRAWN TAS	CHECK TAS								
REVISIONS											
#	DATE	REMARKS									
PROJECT NUMBER				AW24021							
PHASE				RELEASE FOR PERMIT							
SHEET TITLE				ELECTRICAL SCHEDULES, LOAD CALCULATIONS & SPECIFICATIONS							
SHEET NUMBER				E5							



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 MEN'S & WOMEN'S RESTROOMS. ADDITIONALLY, NEW PLUMBING TO ACCOMMODATE 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, FROLINE, ELECTRIC TANKLESS 4-CHAMBER WATER HEATER, C4LA-220E. 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 EQUIVALENT TO MUSTEE 19F 20"x24", 18 GALLON CAPACITY, WITH A THIRTY-FOUR INCH (34") HEIGHT AFF. 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 #T22510.

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).

7. 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.

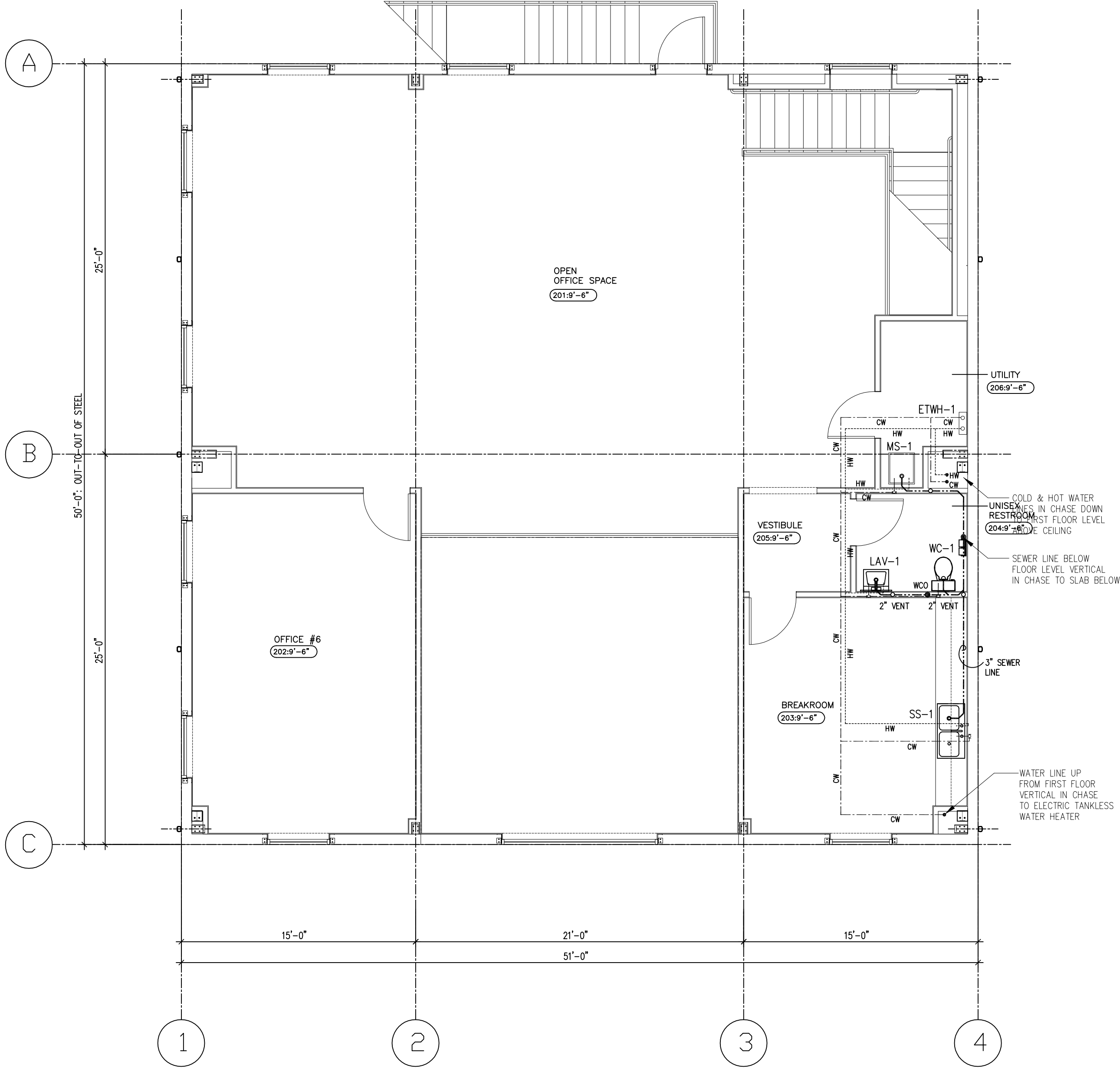
WATER HEATER SCHEDULE							
UNIT TYPE MARK	UNIT IDENTIFIER	DESCRIPTION	MANUFACTURER	MODEL	STORAGE CAPACITY	HEATING INPUT (KW)	TEMP. SET / ACTIVATION POINT (GPM)
ETWH	1	ELECTRIC TANKLESS WATER HEATER	A.O. SMITH	C4LA-220E	Unlimited	22	120
				NOTES/ACCESSORIES			
				ELECTRIC, FOUR (4) CHAMBER TANKLESS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

TOILET ACCESSORIES

	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-28607
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)			

NOTES:

1. 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.



OFFICE: SECOND
FLOOR PLUMBING PLAN

PLUMBING FIXTURE SCHEDULE					
MARK	FIXTURE	ROUGH-IN SIZE (INCHES)			
		HW	CW	WASTE	VENT
WC-1	WATER CLOSET	--	1/2	3	2
LAV-1	LAVATORY	1/2	1/2	1 1/2	2
SS-1	STAINLESS STEEL SINK	1/2	1/2	1 1/2	2
ETWH-1	WATER COOLER	--	1/2	3	2
MS-1	MOP SINK	1/2	1/2	3	2

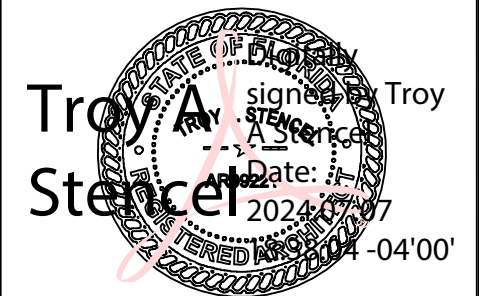
1. CONTRACTOR TO CONFIRM PIPE SIZING WITH INDIVIDUAL MANUFACTURER'S REQUIREMENTS.

PLUMBING FIXTURE SCHEDULE				
MARK	DESCRIPTION	MANUFACTURER	MODEL	NOTES
ETWH-1	WATER COOLER	ELKAY	EZSTLBWSLK w/ EZH20	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	LAVATORY	AMERICAN STANDARD	0355.012	"LUCCERNE" BASIN, 4" (102mm) CENTERS, 15" x 10" x 8-1/2" (381mm x 254mm x 185mm) 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 TRUEBERG
SS-1	STAINLESS STEEL SINK	ELKAY	DSE233222	DAYTON 33" DROPIN DOUBLE BASIN STAINLESS STEEL KITCHEN SINK w/ DRAIN & FAUCET.
WC-1	WATER CLOSET	AMERICAN STANDARD	2467.100	AMERICAN STANDARD, CADET FLOWISE RIGHT HEIGHT ELONGATED PRESSURE ASSISTED TOILET 1.1 GPF, WHITE, 2467.100.
MS-1	MOP SINK	MUSTEE	#18CFP	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.

1. 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.

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SUBMITTAL			
PHASE	DATE	DRAWN	CHECK
PERMIT	26 Jun	TAS	TAS

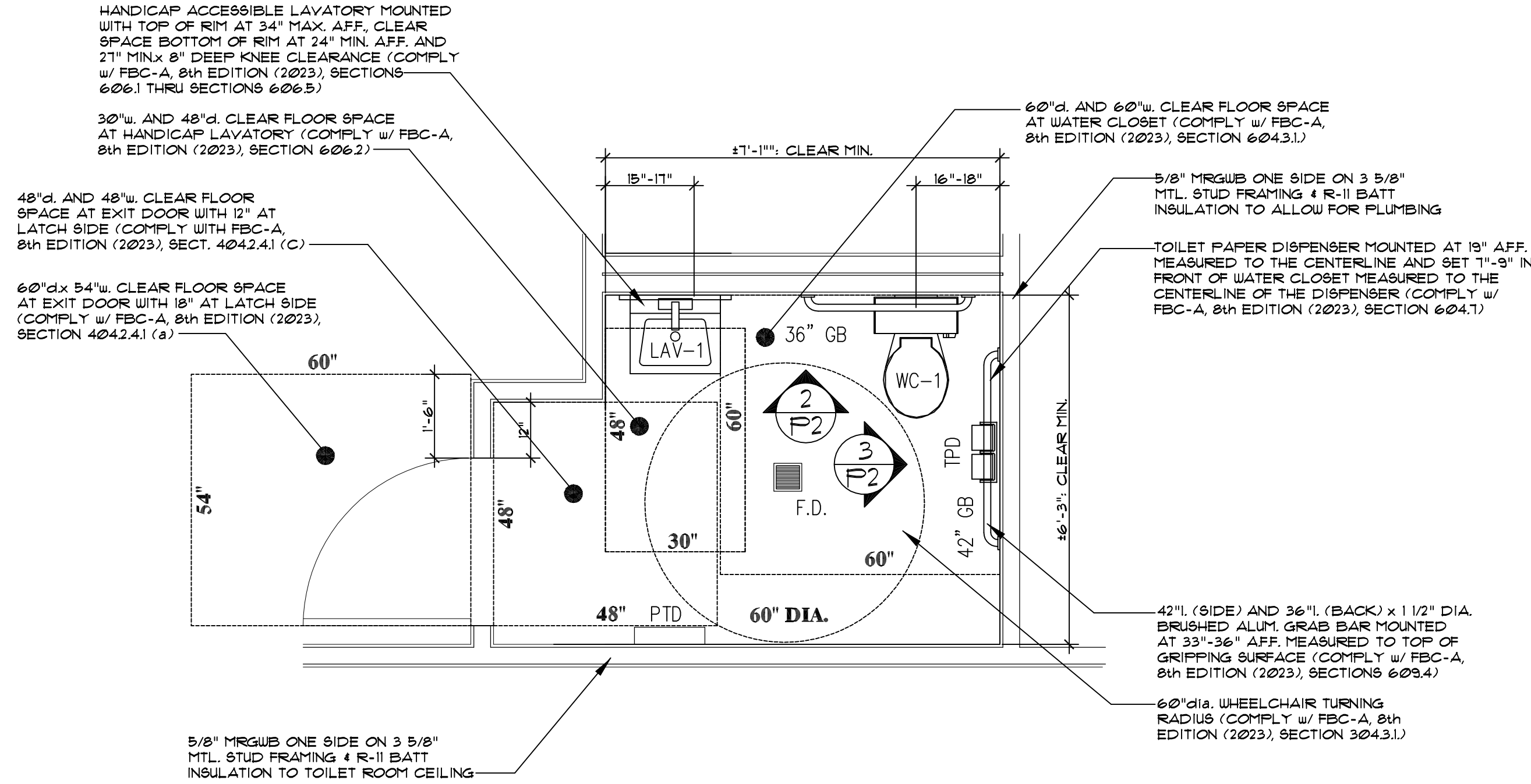
REVISIONS	
#	DATE

PROJECT NUMBER
AW24021

PHASE
RELEASE FOR PERMIT

SHEET TITLE
NEW OFFICE
PLUMBING PLANS,
SCHEDULES & NOTES

SHEET NUMBER



NEW H/C RESTROOM-
ENLARGED FLOOR PLAN

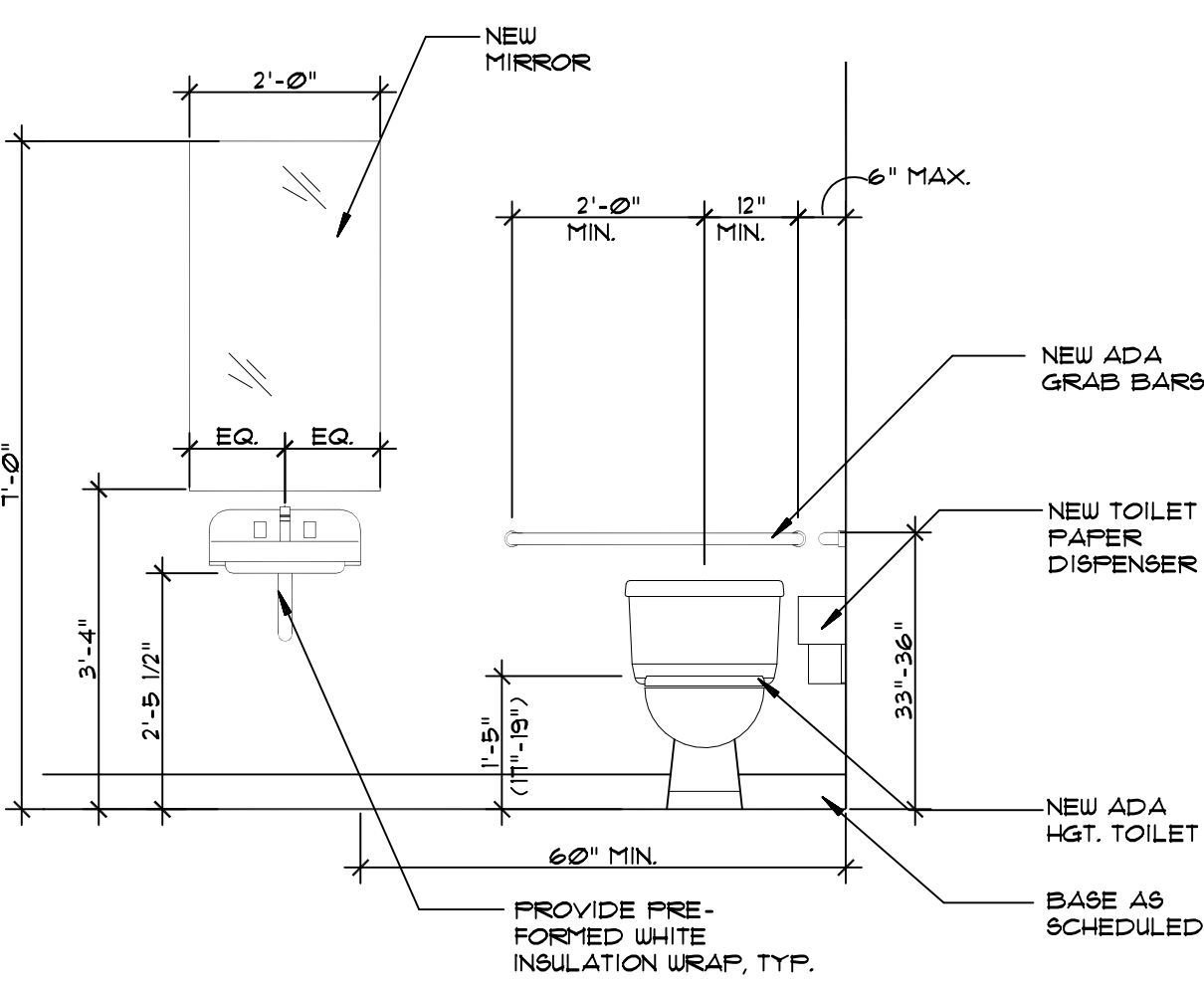
1
P2
SCALE: 1/2"=1'-0"

TABLE:

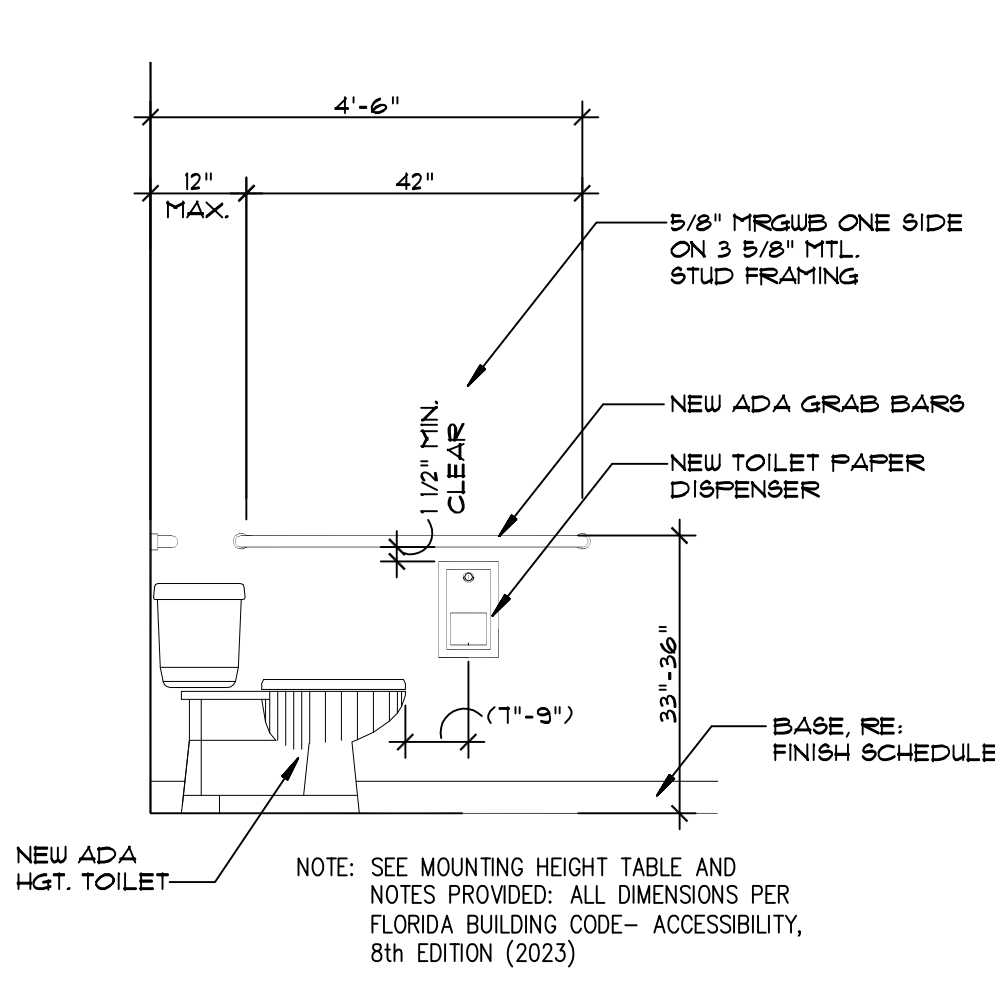
SCHEDULE OF MOUNTING HEIGHTS			
ITEM	HEIGHTS	NOTES	REMARKS
WALL HUNG LAVATORIES	34" MAX.	1, 2	FROM FIN. FLR. TO TOP OF LAV. RIM
MIRRORS	40" MAX.	5	FROM FIN. FLR. TO BOTTOM OF MIRROR
GRAB BARS	33"-36"	4, 6	FROM FIN. FLR. TO TOP OF GRIPPING SURFACE
TOILET PAPER HOLDERS	19"	3	FROM FIN. FLR. TO CENTERLINE
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:

- EXCEPT DESIGNATED HANDICAP UNITS, PROVIDE KNEE CLEARANCE THAT IS AT LEAST 21" HGH, 30" WIDE & 19" DEEP SHALL BE PROVIDED UNDERNEATH SINKS.
- SET HANDICAP LAVATORIES AT 21" CLEAR FROM FIN. FLOOR TO BOTTOM OF LAVATORY; PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE FINISH FLOOR TO BOTTOM OF LAVATORY APRON.
- SET TOILET PAPER DISPENSER 1 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 604.1- DISPENSERS.
- SET GRAB BARS 33 INCHES (MIN.) TO 36 INCHES (MAX.) ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE PER FBC-ACCESSIBILITY, 8th EDITION (2023), SECTION 603.4- POSITION OF GRAB BARS.
- MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE NO HIGHER THAN 40" MAX. ABOVE FINISH FLOOR.
- GRAB BARS SHALL BE DESIGNED TO RESIST A SINGLE CONCENTRATED LOAD OF 250 LBS. PER FBC- BUILDING, 8th EDITION (2023), SECTION 1607.2.2.



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H/C RESTROOM
SCALE: 1/2"=1'-0"



3
P2
H/C RESTROOM
SCALE: 1/2"=1'-0"

PLUMBING SPECIFICATIONS:

1.1 SUMMARY OF WORK

- 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.
- 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.
- ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER OR ARCHITECT.

1.2 DOMESTIC WATER SUPPLY PIPING

- UNDERGROUND: PROVIDE TYPE "K" SOFT DRAWN COPPER TUBING WITH BRAZED CONNECTIONS.
- ABOVE GROUND: ALL PIPING SHALL BE COPPER TUBING ASTM B 88 TYPE L, HARD DRAWN OR SCHEDULE 40 CPVC.
 - FITTINGS: ANSII/ASME B16.18, CAST BRASS, OR ANSI ASME B16.22, WROUGHT COPPER OR ASTM F438 FOR SCHEDULE 40.
 - JOINTS: ANSII/ASTM B32 SOLDER GRADE 95TA OR AWS A5.8 BCuP-2 BRAZING ALLOY OR ASTM F438 FOR SCHEDULE 40.
- 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.
- 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 REQUIRED.
- PROVIDE THERMOSTATIC MIXING VALVES SET AT 110 DEGREES FAHRENHEIT AT EACH LAVATORY, HAND WASH SINK, AND SINK ACCESSIBLE TO THE PUBLIC.
- 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 D2865 SCHEDULE 40 WITH PVC FITTINGS, JOINTS HUB-AND-SPIGOT WITH SOLVENT WELDS.

- BELOW GRADE: ALL PIPING SHALL BE CAST IRON ASTM A74 SERVICE WEIGHT WITH CAST IRON FITTINGS, JOINTS HUB-AND-SPIGOT WITH SOLVENT WELDS.
- PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.
- DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG RADIUS FITTINGS.
- 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.
- ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO FIXTURES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING THROUGH THE ROOF.
- ALL VENTS SHALL BE INSTALLED A MINIMUM OF TEN FEET FROM EQUIPMENT OUTSIDE AIR INTAKES.

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

- 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.
- BELOW GRADE: EARTH SHALL BE EXCAVATED TO A MINIMUM DEPTH WITH EVEN SURFACE TO INSURE SOLID BEARING OF PIPE FOR ENTIRE LENGTH.
 - 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

- INSULATE (AS ALLOWED BY CODE) ALL LISTED SERVICE PIPING AS FOLLOWS. STORM WATER PIPING: PROVIDE 1" PREFORMED FIBERGLASS, AS/JS-11, FLAME 25, SMOKE DEVELOPED 50. ASTM C-547. FOR CONDENSATE PIPING PROVIDE 1/2" THICK INSULATION OF SAME CHARACTERISTICS AS LISTED FOR 1" ABOVE. WHERE PERMITTED BY LOCAL CODES. PROVIDE 1/2" SELF ADHESIVE UNICELLULAR FOAM PIPE INSULATION WITH PREFORMED PVC FITTING COVERS EQUAL TO SELF ADHESIVE ARMSTRONG 2000 WITH K FACTOR OF 0.27 AT 75

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

1.7 ACCESSORIES

- AIR GAP FITTINGS
 - JR SMITH FIGURE 3955 OR EQUAL BY WADE, ZURN OR JOSAM.
- VACUUM BREAKERS
 - MOP SINKS NOT PROTECTED BY AN AIR GAP SHALL BE SUPPLIED WITH AN INTEGRAL VACUUM BREAKER OR REDUCED PRESSURE BACKFLOW PREVENTER AT EACH OUTLET.

1.8 MISCELLANEOUS

- COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATIONS.
- DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
- 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 SPACE.
- ALL PIPING TO BE PROPERLY LABELED.

1.9 TESTING

- PLUMBING SYSTEMS SHALL BE FLOW AND PRESSURE TESTED IN ACCORDANCE WITH STANDARD PRACTICE AND THE INTERNATIONAL PLUMBING CODE.
- 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.

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Troy A. Stencel

by Troy A. Stencel

Date: 2024-07-17

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DESIGNED AND SIGNED

TROY ANTHONY STENCEL
FLORIDA ARCHITECT #AR99221

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SUBMITTAL					
PHASE	DATE	DRAWN	CHECK		
PERMIT	26 Jun	TAS	TAS		
REVISIONS					
#	DATE	REMARKS			
PROJECT NUMBER AW24021					
PHASE RELEASE FOR PERMIT					
SHEET TITLE NEW ENLARGED H/C RESTROOM PLAN, ELEVATIONS, SPECIFICATIONS & NOTES					
SHEET NUMBER P2					