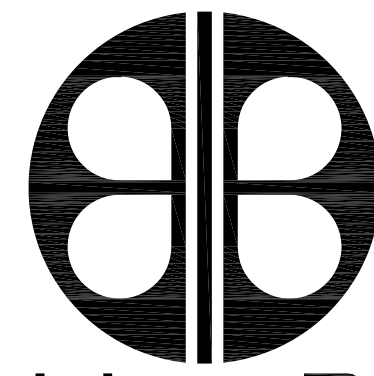


INTERIOR MODIFICATIONS - ORANGE COUNTY UTILITIES BUILDING



BORRELLI + PARTNERS
ARCHITECTURE PLANNING LANDSCAPE INTERIOR
ACC 000711

720 VASSAR STREET
ORLANDO, FL. 32804 (407) 418-1338

PROJECT #16-166

ORANGE COUNTY UTILITIES ADMINISTRATION BUILDING
9150 CURRY FORD ROAD, ORLANDO, FLORIDA 32825

100% CONSTRUCTION DOCUMENTS

12-18-17

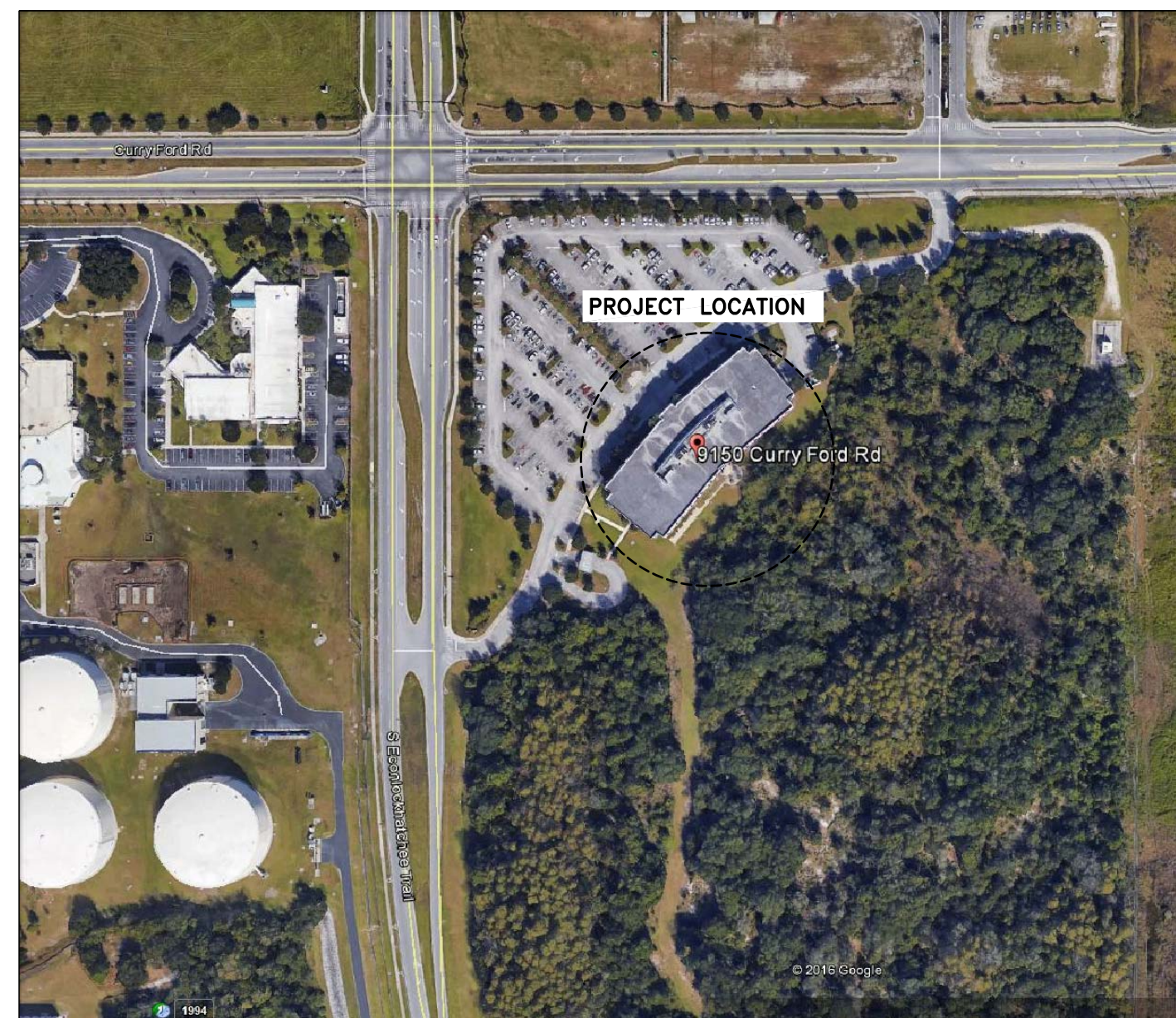
DRAWING INDEX

CONSULTANTS:

**MECHANICAL, PLUMBING &
ELECTRICAL ENGINEERS**

BOBES ASSOCIATES CONSULTING ENGINEERS, INC.

150 CIRCLE DRIVE
MAITLAND, FLORIDA 32751
(407)628-0882



AERIAL PHOTO LOCATION: 9150 CURRY FORD ROAD, ORLANDO, FLORIDA 32825

BOARD OF COUNTY COMMISSIONERS:

- Orange County Mayor: Teresa Jacobs
- District 1 Commissioner: Betsy VanderLey
- District 2 Commissioner: Bryan Nelson
- District 3 Commissioner: Pete Clarke
- District 4 Commissioner: Jennifer Thompson
- District 5 Commissioner: Emily Bonilla
- District 6 Commissioner: Victoria P. Siplin

COVER			
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A-102	SECOND FLOOR PLAN AREA #2	M-102	SECOND FLOOR PLANS - AREA #2 - HVAC
A-103	SECOND FLOOR PLAN AREA #3	M-103	SECOND FLOOR PLANS - AREA #3 - HVAC
A-104	THIRD FLOOR PLAN AREA #4	M-104	FIRST FLOOR PLANS - AREA #4 - HVAC
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A-106	FIRST FLOOR PLAN AREA #5	M-107	SECOND FLOOR PLANS - AREA #6 - HVAC
A-107	SECOND FLOOR PLAN AREA #6	M-108	THIRD FLOOR PLAN - AREA #7 - HVAC
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		FP-001	LEGEND & NOTES - FIRE PROTECTION
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		E-102	SECOND FLOOR PLANS - AREA #2 - ELECTRICAL
		E-103	SECOND FLOOR PLANS - AREA #3 - ELECTRICAL
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	<p>PROJECT NO. 16-166 PHASE 100% CONST. DOCS SCALE N/A FILE NAME CAD FILE DRAWN BY ROP CHECKED BY JJA DATE 12-18-17</p>	<p>REV. DESCRIPTION DATE</p>	<p>PROJECT ADDRESS OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825</p>	<p>DRAWING TITLE COVER</p>	<p>CONSULTANTS</p>	<p>SIGNATURE AND DATED SEAL</p>
<p>BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR 720 VASSAR STREET ORLANDO, FL. 32804 (407) 418-1338 REGISTERED PROFESSIONAL ARCHITECTS AND INTERIORS LICENSE NO. 15000 AND 15001 PARTICIPANT AS AGENT TO THE ARCHITECT. COPYRIGHT BORRELLI + PARTNERS, LLC 2017</p>						
<p>JAMES L. MOORE AR029390</p>						

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

ABBREVIATIONS

AB ANCHOR BOLTS	FD FLOOR DRAIN	PC PORTLAND CEMENT
AC or A/C AIR CONDITIONING	FE FIRE EXTINGUISHER	PL PLATE
ACOUS ACOUSTICAL	FH FULL HEIGHT	PLYWD PLYWOOD
ABV ABOVE	FECE FIRE EXTINGUISHER	PR PAIR
AD ACCESS DOOR	FIN CABINET	PREP PREPARATION
AFF ABOVE FINISHED FLOOR	FLR FINISH	PROJ PROJECTION
ALUM ALUMINUM	FS FLOOR	PT PRESSURE TREATED
APPR APPROVED	FO FINISHED OPENING	QT QUARRY TILE
BD or BRD BOARD	FOC FACE OF CONCRETE	
BLDG BUILDING	FOS FACE OF STUD	
BLK BLOCK	FOUND FOUNDATION	R RISER
BM BEAM	FOW FACE OF WALL	RAD RADIUS
BOB BOTTOM OF BEAM	FS FLOOR SINK	RD ROOF DRAIN
BOT BOTTOM	FT FEET	REF REFERENCE
		REFL REFLECTED
		REINF REINFORCE
C/C CENTER TO CENTER	GALV GALVANIZE	REQ'D REQUIRED
CEM CEMENT	GL GLASS	REV REVERSE
CER CERAMIC	GR GRADE	RM ROOM
CH CEILING HEIGHT	GYP BD GYPSUM BOARD	RO ROUGH OPENING
CJ CONTROL JOINT	GWB	
CLG or CEILING		SCWD SOLID CORE WOOD DOOR
CEIL CEILING	HOWD HARDWOOD	SECT SECTION
CLO CLOSET	HMM HOLLOW METAL	SHT SHEET
CLR CLEAR	HORIZ HORIZONTAL	SIM SIMILAR
CMU CONCRETE MASONRY UNIT	ID INSIDE DIAMETER	SIMUL SIMULATED
COL COLUMN	INSUL INSULATION	SPECS SPECIFICATIONS
COMP COMPOSITION	INT INTERIOR	SQ SQUARE
CONC CONCRETE	JAN JANITOR	SS STAINLESS STEEL
CONN CONNECTION	LAV LAVATORY	STD STANDARD
CONT CONTINUOUS	LEV LEVEL	STL STEEL
CORR CORRIDOR	LTG LIGHTING	STRUCT STRUCTURAL
CSK COUNTERSINK	LT WT LIGHT WEIGHT	SUSP SUSPENDED
		SYM SYMMETRICAL
		T TREAD
DBL DOUBLE	MAINT MAINTENANCE	TB TACKBOARD
DF DRINKING FOUNTAIN	MATL MATERIAL	T&G TONGUE AND GROOVE
DIA DIAMETER	MAX MAXIMUM	TEMP TEMPERED
DIAG DIAGONAL	MECH MECHANICAL	TEL TELEPHONE
DIM DIMENSION	MTL METAL	THK THICK
DN DOWN	MEZZ MEZZANINE	TOC TOP OF CONCRETE / CURB
DO DOOR	MFR MANUFACTURER	TOP TOP OF PARAPET
DR DOWNPOUT	MIN MINIMUM	TOS TOP OF STEEL
DS DETAIL	MISC MISCELLANEOUS	TOW TOP OF WALL
DTL DRAWINGS	MO MASONRY OPENING	TYP TYPICAL
	MT METAL THRESHOLD	
EA EACH	MULL MULLION	UNO UNLESS NOTED OTHERWISE
EJ EXPANSION JOINT	N NEW	VERT VERTICAL
ELEC ELECTRICAL	NO NUMBER	WC WATER CLOSET
ELEV or EL ELEVATION	NR NON-RATED	WD WOOD
EQ EQUAL	NTS NOT TO SCALE	WI WROUGHT IRON
EQUIP EQUIPMENT	OC ON CENTER	WL WATER LEVEL
EXIST EXISTING	OD OUTSIDE DIAMETER	WP WATERPROOFING
EXT EXTERIOR	OH OPPOSITE HAND	WP WORKING POINT
EWC ELEC. WATER COOLER	OPNG OPENING	
	OPP OPPOSITE	

SYMBOLS

∠ ANGLE	∅ DIAMETER or ROUND	# NUMBER or POUND	& AND
C CHANNEL	⬢ WORK POINT OR ELEV BENCH MARK	□ SQUARE	⊙ AT
PL PLATE		⊞ SQUARE FEET	△ DELTA
CL CENTER LINE			d PENNY

MAIN-TITLE

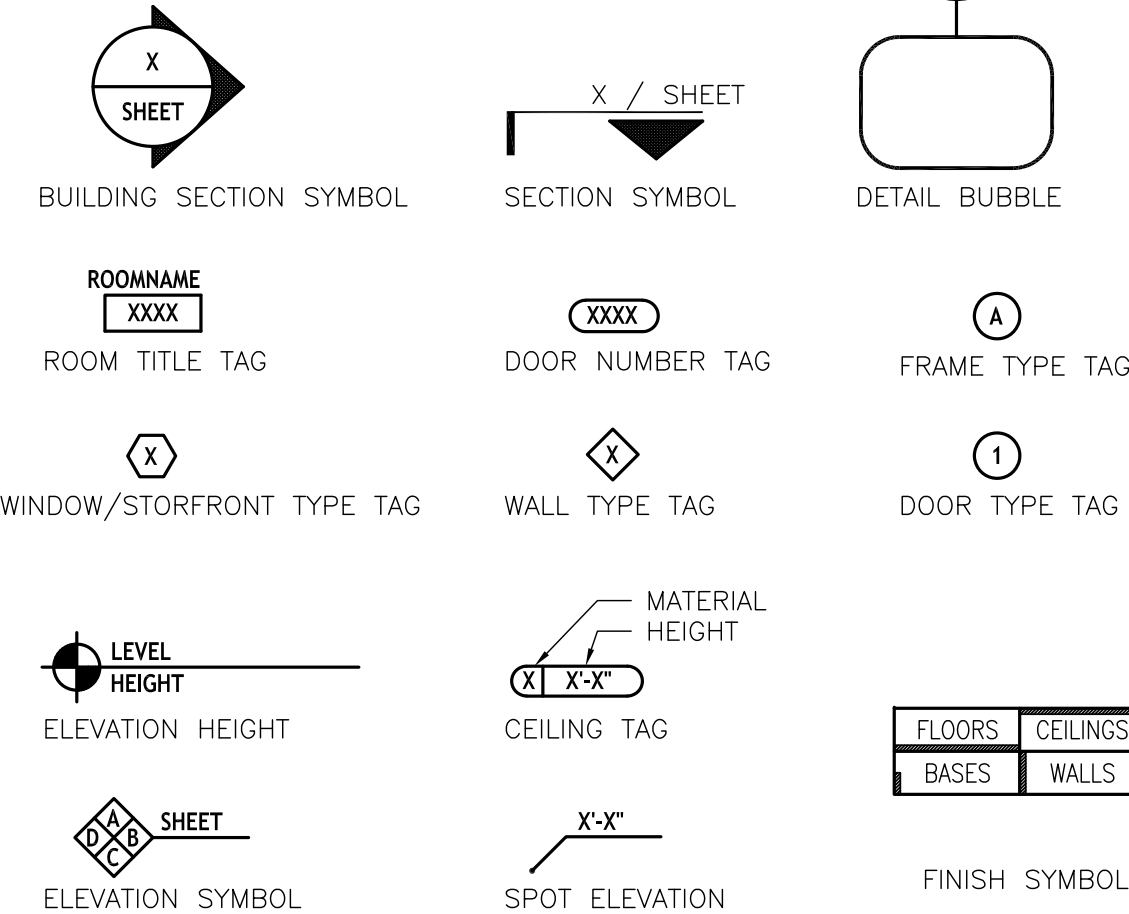
SCALE: X'-X"

MAIN DRAWING TITLE

SECTION-TITLE

SCALE: X'-X'-0"

DRAWING SECTION TITLE



BASIC CODE ANALYSIS

APPLICABLE CODES

BUILDING :	FLORIDA BUILDING CODE (FBC)	EDITION :	2014
A.D.A. :	EXISTING BUILDING		
LIFE SAFETY :	FBC ACCESSIBILITY	EDITION :	2014
	FLORIDA FIRE PREVENTION CODE		F.A.C. CHAPTER 69A-60
	NFPA - 1 UNIFORM FIRE CODE		FLORIDA EDITION
	NFPA - 101 LIFE SAFETY CODE		FLORIDA EDITION

OCCUPANCY

OCCUPANCY CLASSIFICATION :	BUSINESS GROUP B
BUILDING AREA GROSS :	??? SQ. FT.
OCCUPANT / SQ. FT. :	??? GROSS SQ. FT. OFFICE
TOTAL OCCUPANTS :	10 (7 @ ALTERNATE #1)

CONSTRUCTION

TYPE OF CONSTRUCTION:	TYPE V-B
SPRINKLERED OR UNSPRINKLERED:	SPRINKLERED
APPROX BUILDING HEIGHT:	?? FEET (?? STORY)

EXITS

EGRESS WIDTH PER OCCUPANT SERVED (TABLE 1015.1):

MAXIMUM OCCUPANT LOAD: ?? PEOPLE X 0.2= ??"

MINIMUM NUMBER OF EXITS REQUIRED (FBC 1021.1):

EXIT(S) PROVIDED:

MAXIMUM DEAD END HALL (FBC 1018.4): 50 FT

MAXIMUM TRAVEL DISTANCE (FBC 1028.7): 250 FT

IS A SEPARATE OR EMERGENCY SOURCE OF LIGHT REQUIRED: YES

IS SPECIAL EGRESS PANIC HARDWARE REQUIRED: YES

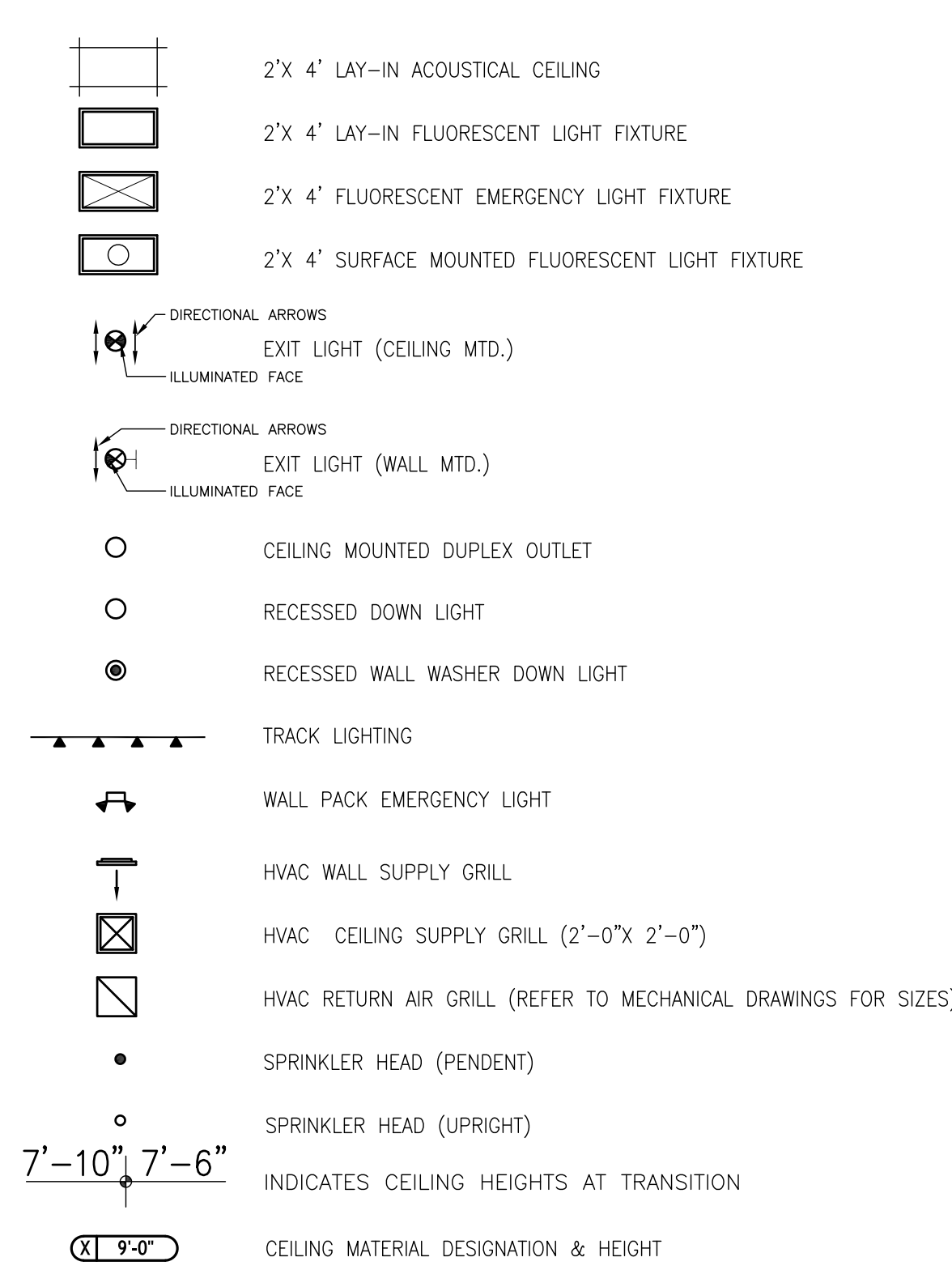
FIRE PROTECTION

FIRE PROTECTION REQUIREMENTS :		0 HOURS
STRUCTURAL FRAME:		0 HOURS
BEARING WALLS (EXTERIOR):		0 HOURS
NON-BEARING WALLS (INTERIOR):		0 HOURS
FLOOR CONSTRUCTION:		0 HOURS
ROOF CONSTRUCTION:		0 HOURS
MINIMUM INTERIOR FINISH CLASS :	C	

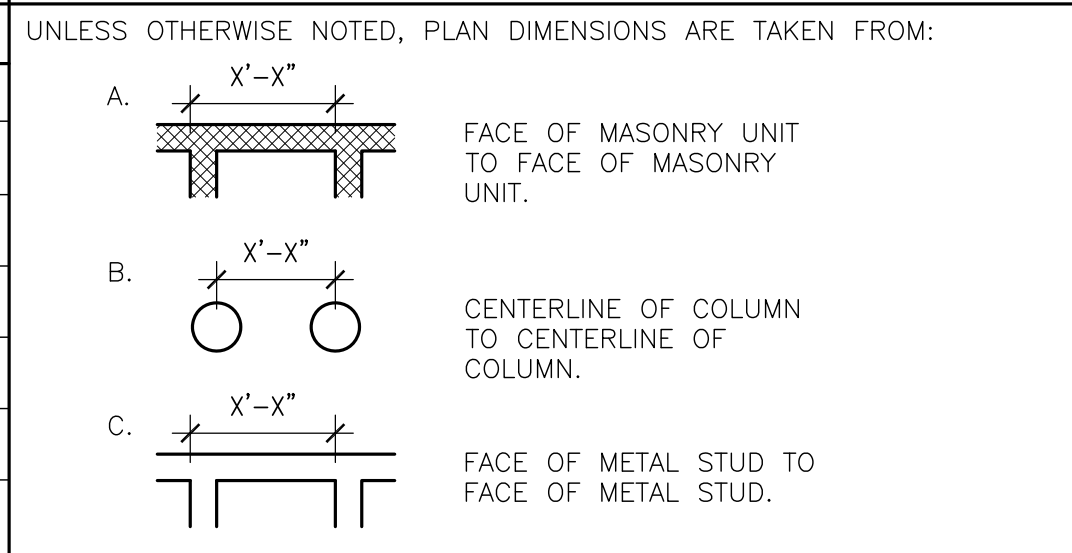
GENERAL NOTES

1. SHOWN DIMENSIONS TAKE PRECEDENCE OVER SCALED MEASUREMENTS. **DO NOT SCALE DRAWINGS.**
2. LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
3. FINISH FLOOR ELEVATION 0'-0" SHOWN ON STRUCTURAL DRAWINGS IS EQUAL TO ACTUAL FINISH FLOOR ELEVATIONS SHOWN ON CIVIL DRAWINGS.
4. ALL ITEMS NOTED ON DRAWINGS ARE NEW AND ARE TO BE PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.
5. THE MANUFACTURER'S STANDARD DETAILS OR APPROVED SHOP DRAWINGS / DATA SHEETS, IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, SHALL APPLY UNLESS OTHERWISE DETAILED IN CONSTRUCTION DOCUMENTS.

REFLECTED CEILING PLAN LEGEND



DIMENSIONING

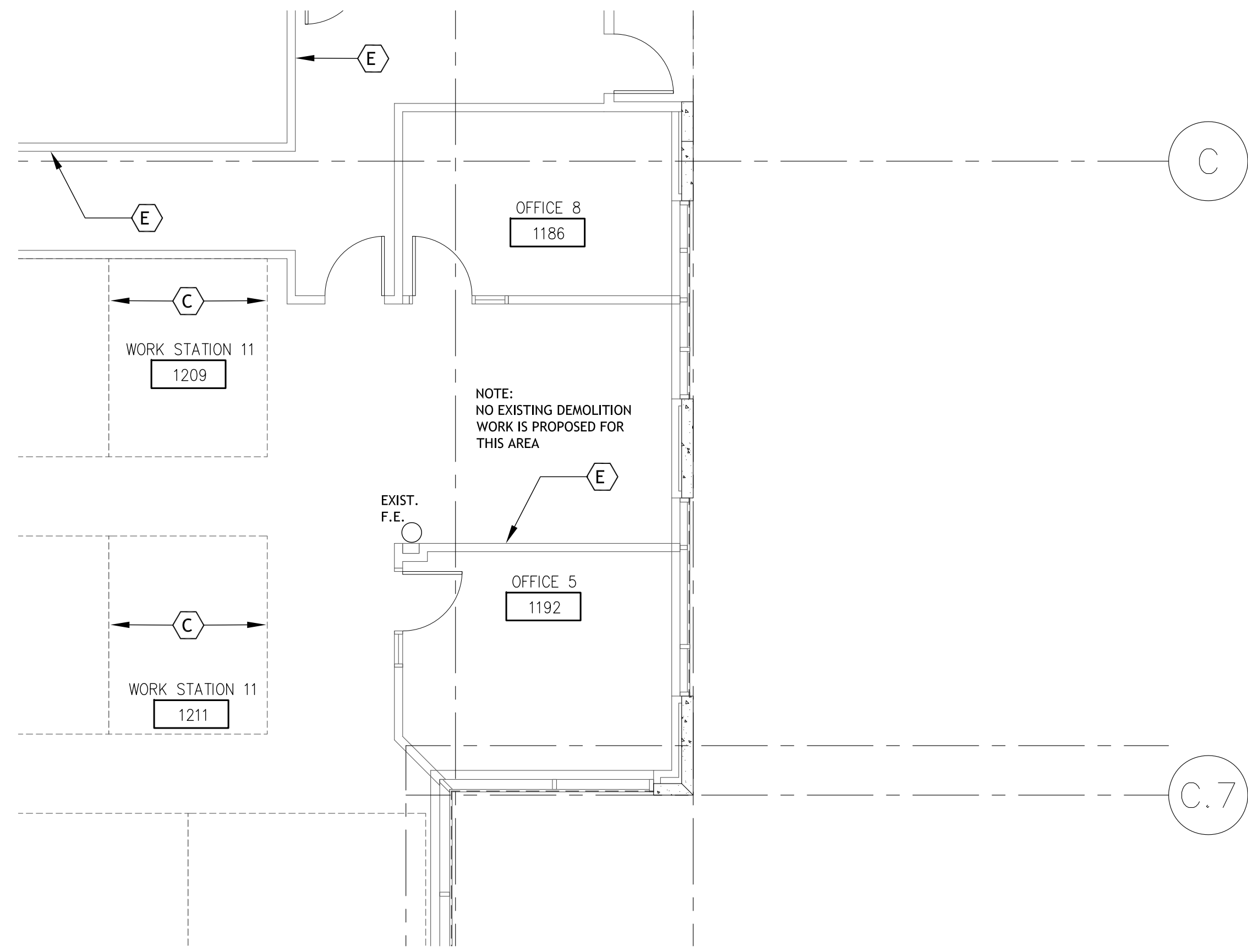


WALL TYPES

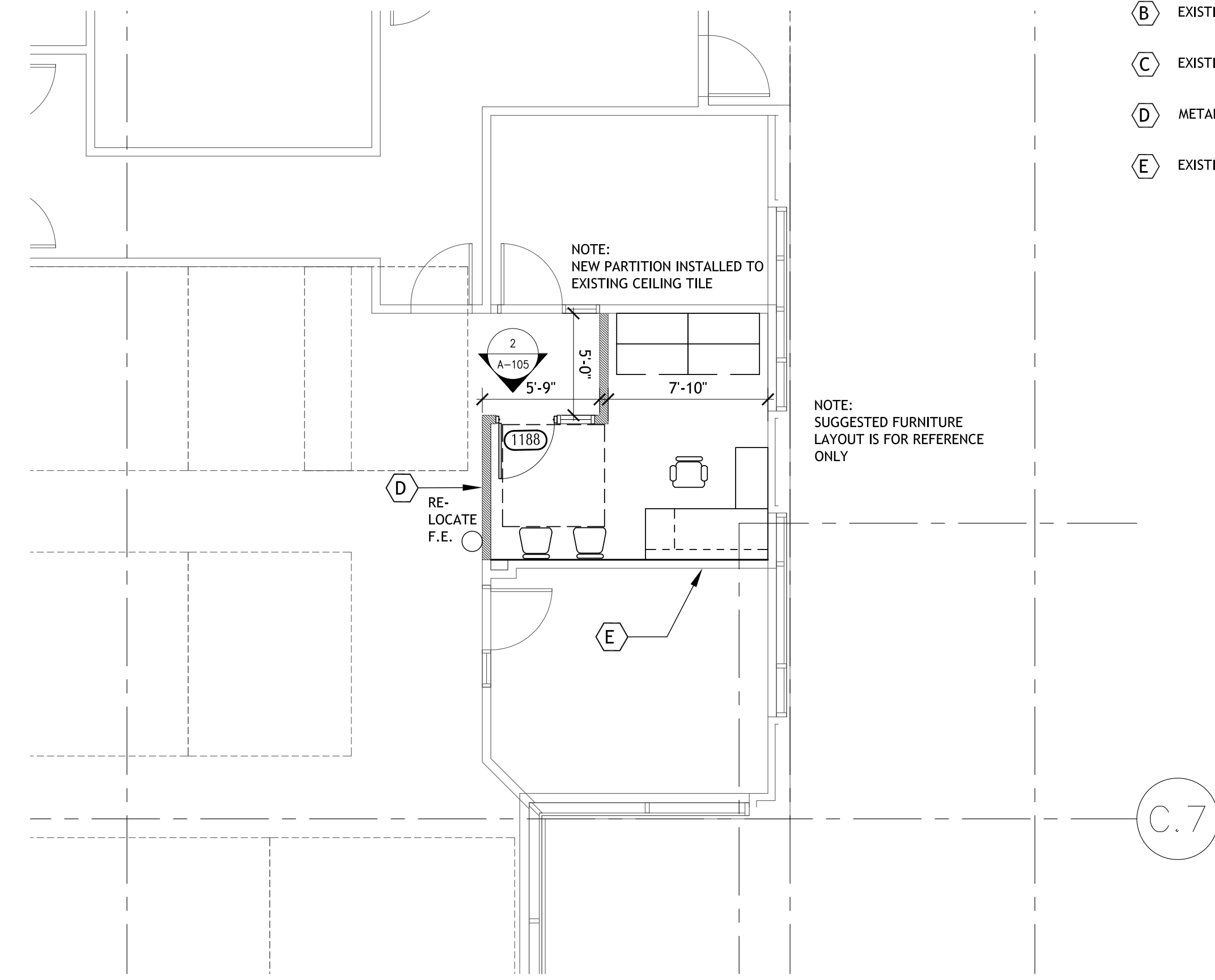
INDICATION	DETAIL	WALL TYPE	DESCRIPTION	RATINGS	REMARKS
INTERIOR WALL TYPES					
			3 #3 METAL STUDS @ 16" O.C. WITH #5 GYPSUM BOARD EACH SIDE	NON-RATED	HEIGHT: FIELD VERIFY

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

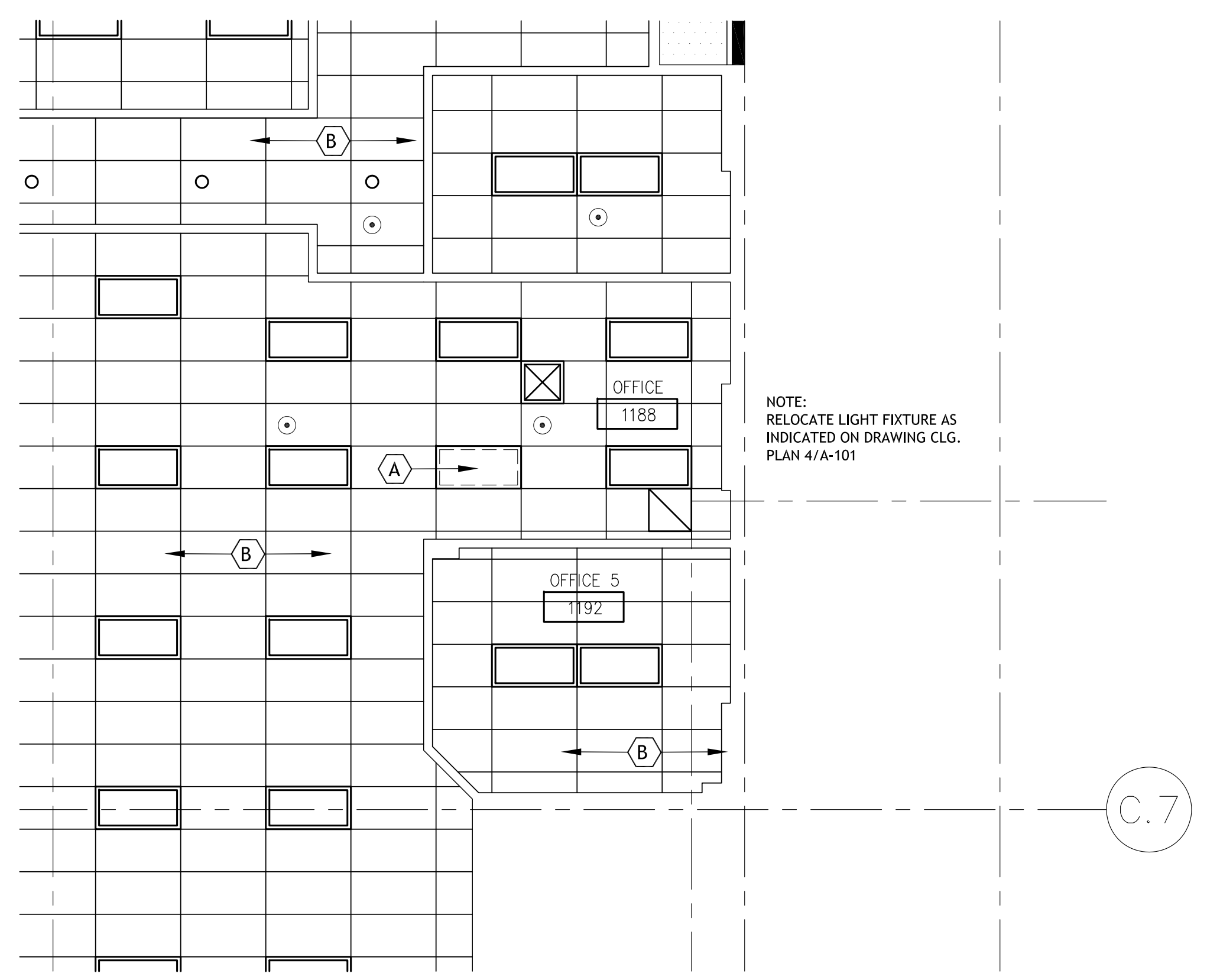
<p>BORELLI + PARTNERS ARCHITECTURE PLANNING INTERIORS LANDSCAPE INTERIOR</p> <p>720 VASSAR STREET ORLANDO, FL 32804 (407) 416-1318</p> <p><small>THIS DOCUMENT IS THE PROPERTY OF BORELLI + PARTNERS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BORELLI + PARTNERS, L.L.C. (08/17)</small></p>		<p>16-166</p> <p>100% CONST. DOCS</p> <p>SCALE: N/A</p> <p>FILE NAME: CAD FILE</p> <p>DRAWN BY: JJA</p> <p>CHECKED BY: JJA</p> <p>DATE: 12-16-17</p>						
<p>PROJECT NO.</p> <p>PHASE</p> <p>SCALE</p> <p>FILE NAME</p> <p>DRAWN BY</p> <p>CHECKED BY</p> <p>DATE</p>	<p>PROJECT ADDRESS</p> <p>OCU CENTRAL ADMINISTRATION BUILDING</p> <p>9130 CURRY FORD ROAD</p> <p>ORLANDO, FLORIDA 32825</p> <p>OWNER NAME AND ADDRESS</p> <p>ORANGE COUNTY UTILITIES</p> <p>9130 CURRY FORD ROAD</p> <p>ORLANDO, FLORIDA 32825</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DESCRIPTION	DATE			
NO.	DESCRIPTION	DATE						
<p>DRAWING TITLE</p> <p>ARCHITECTURAL GENERAL INFORMATION</p>		<p>SIGNATURE AND DATED SEAL</p> <p>JAMES L. MOORE</p> <p>AND 9390</p>						



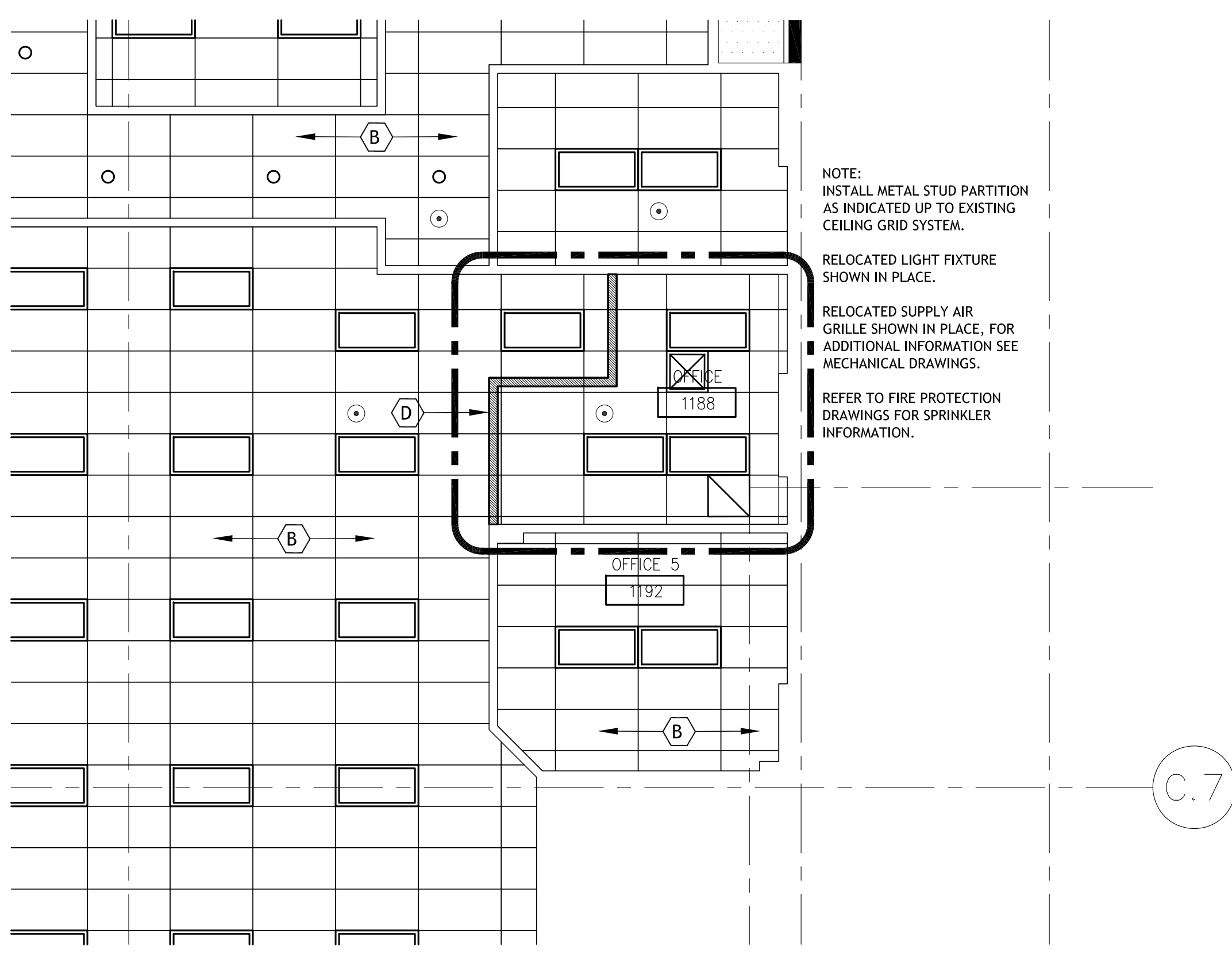
1 1ST FLOOR EXISTING PLAN - AREA#1
A-101 SCALE: 3/16 = 1'-0"



2 1ST FLOOR PROPOSED PLAN - AREA#1
A-101 SCALE: 3/16 = 1'-0"



3 1ST FLOOR EXISTING CEILING PLAN - AREA#1
A-101 SCALE: 3/16 = 1'-0"

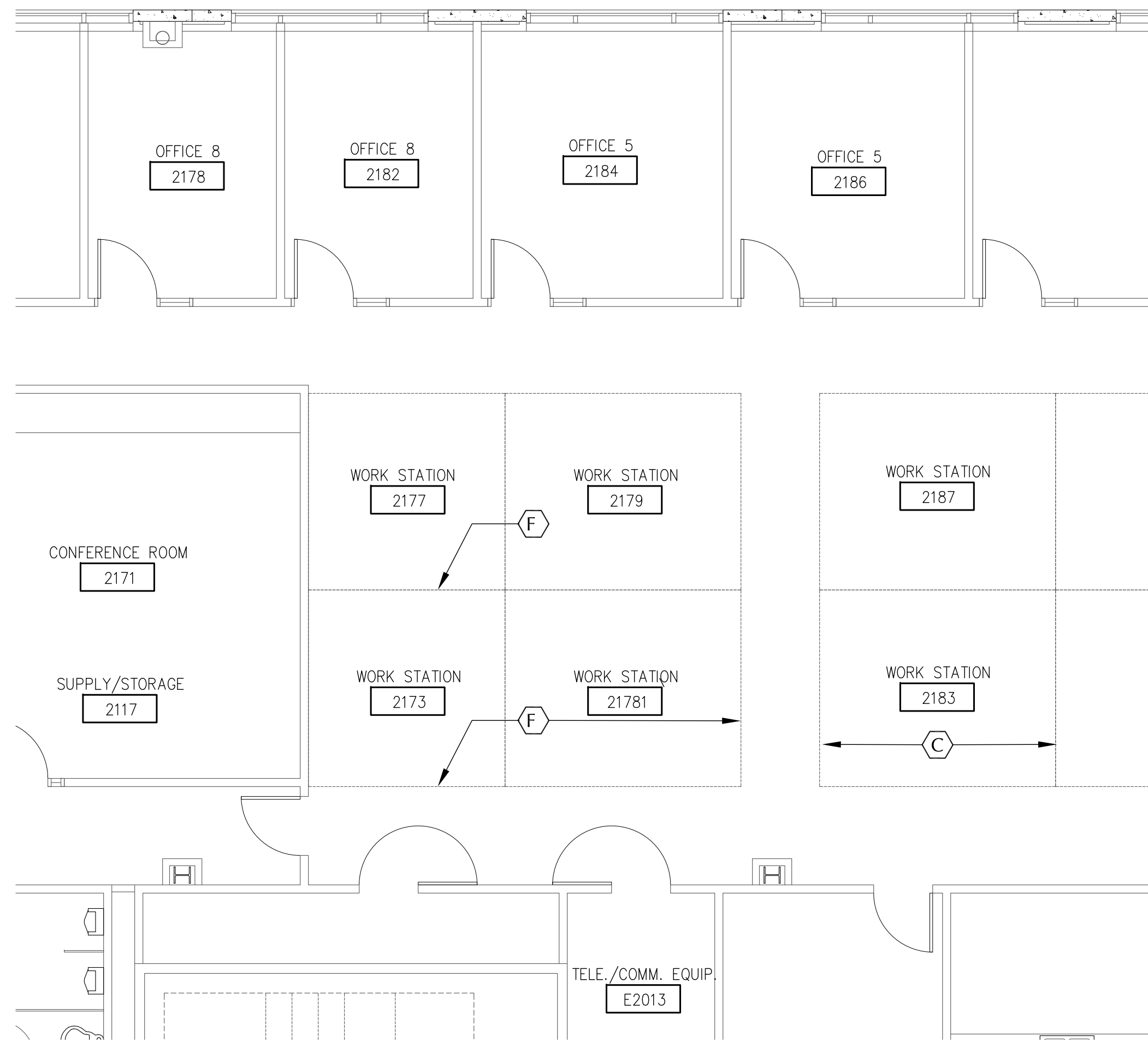


4 1ST FLOOR PROPOSED CEILING PLAN - AREA#1
A-101 SCALE: 3/16 = 1'-0"

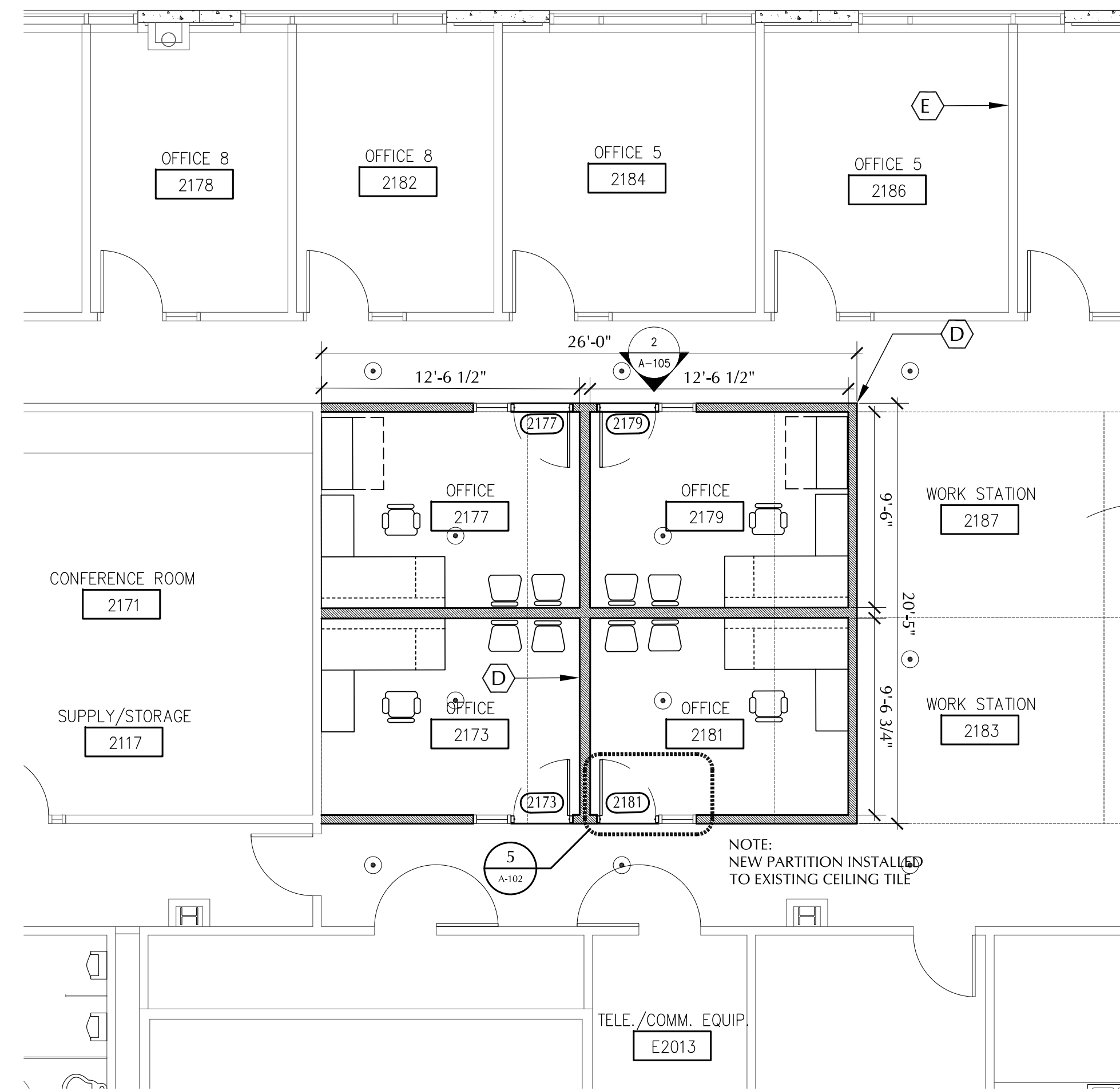
- GENERAL HEX NOTES:
- (A) RELOCATE EXISTING 2'x4' CEILING LIGHT
 - (B) EXISTING TILE AND CEILING GRID
 - (C) EXISTING CUBICLE
 - (D) METAL STUD PARTITION
 - (E) EXISTING PARTITION TO REMAIN

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

 BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR 730 VASSAR STREET ORLANDO, FL 32804 (407) 418-1338 <small>CONFIDENTIAL: THIS DRAWING IS THE PROPERTY OF BORRELLI + PARTNERS. UNLESS OTHERWISE PROVIDED BY CONTRACT, IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF BORRELLI + PARTNERS, ANY PART OF THIS DRAWING IS TO BE KEPT CONFIDENTIAL.</small>	SIGNATURE AND DATED SEAL CONSULTANTS DRAWING TITLE FIRST FLOOR PLAN DRAWINGS - AREA #1	PROJECT ADDRESS OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32815 OWNER NAME AND ADDRESS ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32815	PROJECT NO. 16-166 PHASE 100% CONST. DOCS SCALE AS NOTED FILE NAME CAD FILE DRAWN BY REP CHECKED BY JAL DATE 12-18-17	DATE 12-18-17
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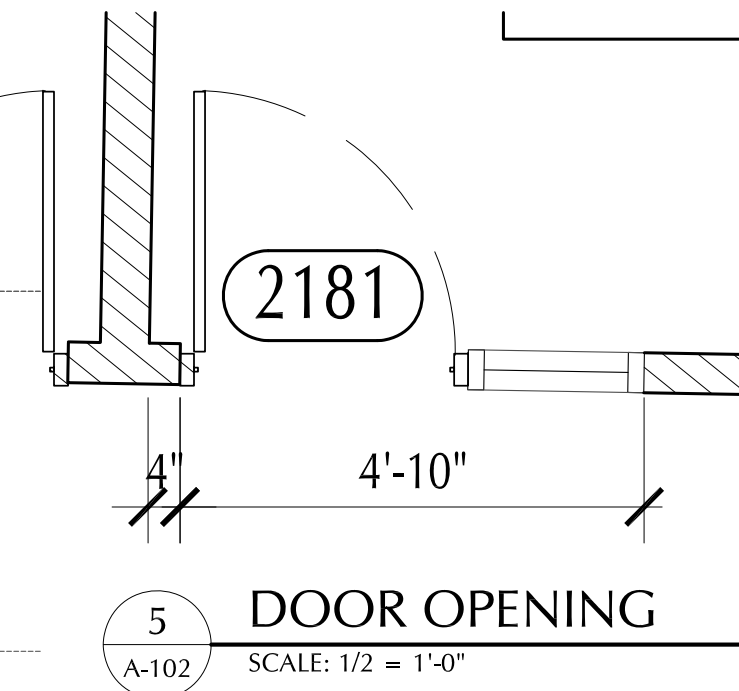
1 2ND FLOOR EXISTING PLAN - AREA#2
A-102 SCALE: 3/16 = 1'-0"



2 2ND FLOOR PROPOSED PLAN - AREA#2
A-102 SCALE: 3/16 = 1'-0"

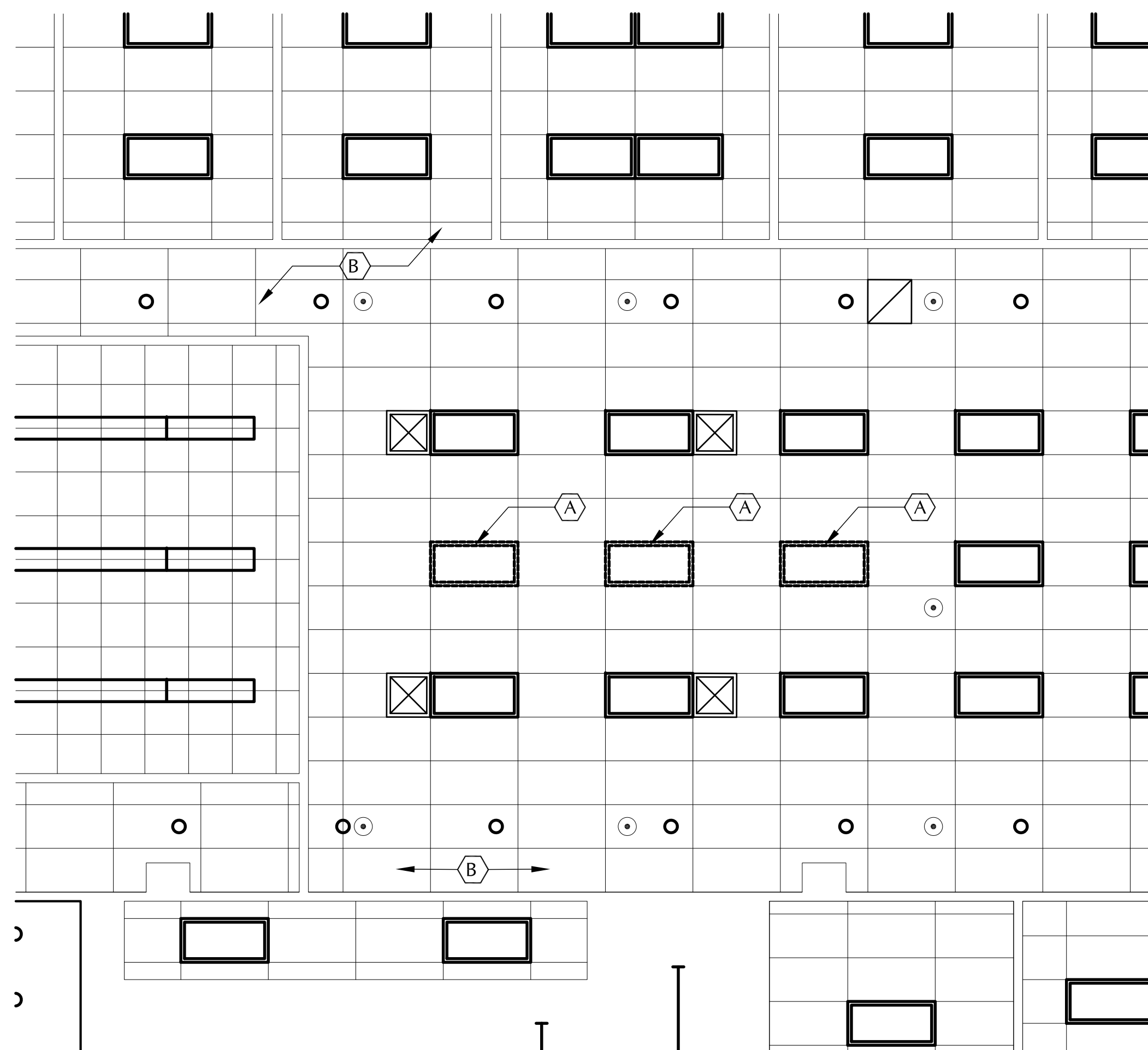
GENERAL HEX NOTES:

- (A) RELOCATE EXISTING 2'X4' CEILING LIGHT
- (B) EXISTING TILE AND CEILING GRID
- (C) EXISTING CUBICLE
- (D) METAL STUD PARTITION
- (E) EXISTING PARTITION TO REMAIN
- (F) REMOVE EXISTING CUBICLE

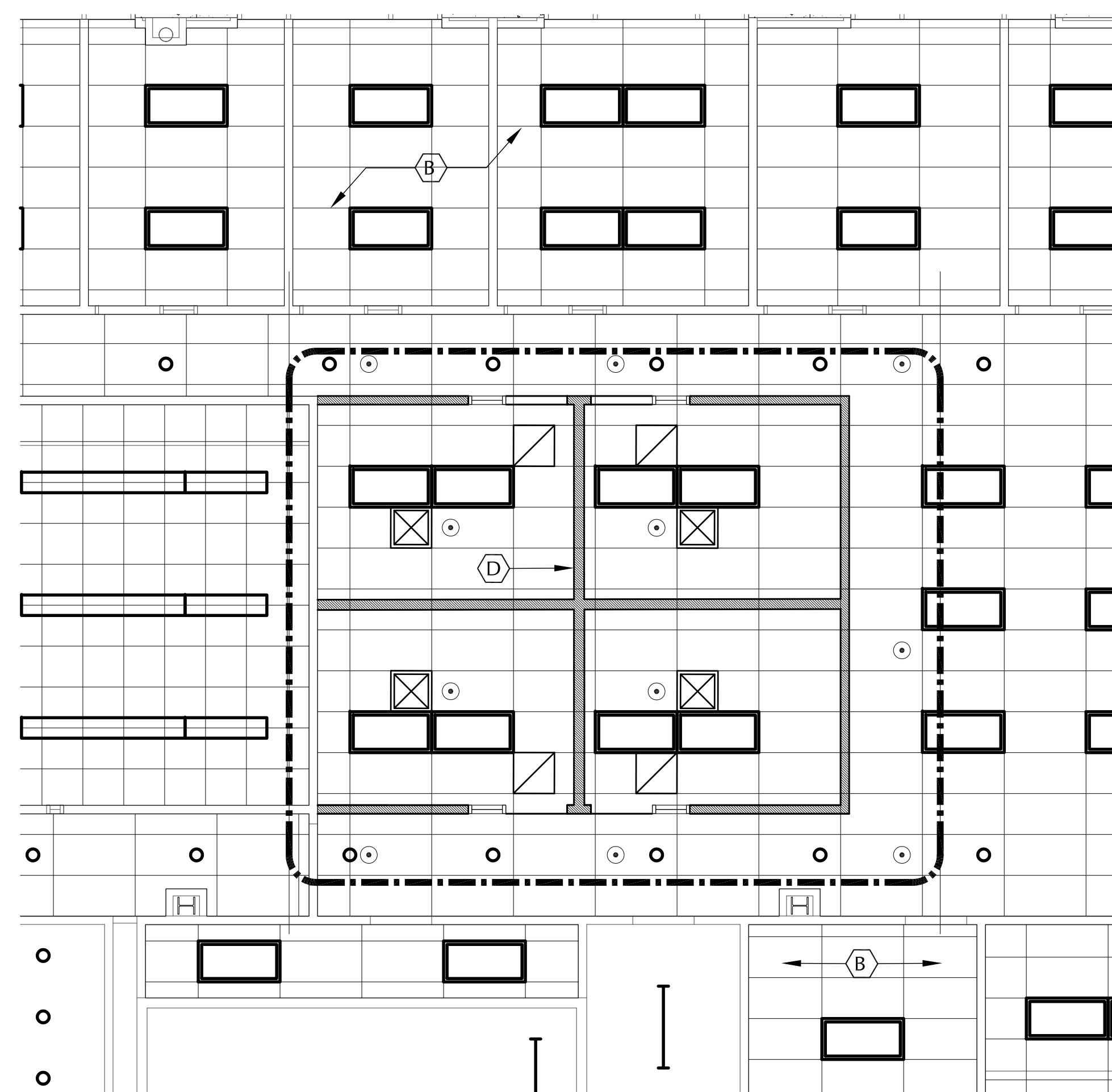


5 DOOR OPENING
A-102 SCALE: 1/2 = 1'-0"

NOTE: NEW PARTITION INSTALLED TO EXISTING CEILING TILE



3 2ND FLOOR EXISTING CEILING PLAN - AREA#2
A-102 SCALE: 3/16 = 1'-0"



4 2ND FLOOR PROPOSED CEILING PLAN - AREA#2
A-102 SCALE: 3/16 = 1'-0"

NOTE:
INSTALL METAL STUD PARTITIONS AS INDICATED UP TO EXISTING CEILING GRID SYSTEM.
RELOCATED LIGHT FIXTURE SHOWN IN PLACE.
RELOCATED SUPPLY AIR GRILLE SHOWN IN PLACE. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER INFORMATION.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

CONSULTANTS

DRAWING TITLE

PROJECT ADDRESS

REV. DESCRIPTION DATE

BORRELLI + PARTNERS
 ARCHITECTURE PLANNING LANDSCAPE INTERIOR
 730 VASSAR STREET
 ORLANDO, FL 32804 (407) 418-1338
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SIGNATURE AND DATED SEAL

SECOND FLOOR PLAN DRAWINGS - AREA #2

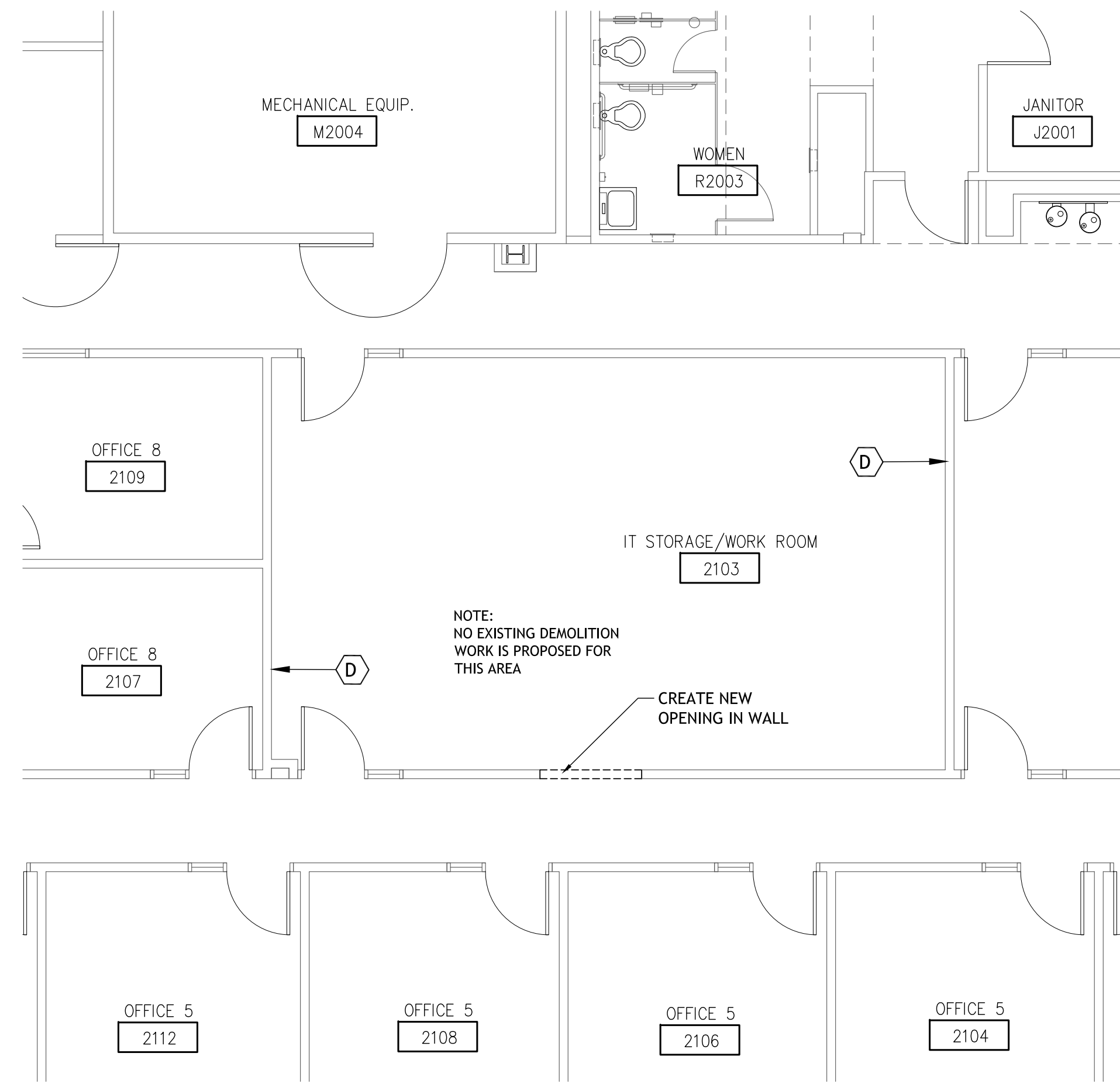
OCU CENTRAL ADMINISTRATION BUILDING
 9150 CURRY FORD ROAD
 ORLANDO, FLORIDA 32835
 OWNER NAME AND ADDRESS
 ORANGE COUNTY UTILITIES
 9150 CURRY FORD ROAD
 ORLANDO, FLORIDA 32835

PROJECT NO. 16-166
 PHASE 100% CONST. DOCS
 SCALE AS NOTED
 FILE NAME CAD FILE
 DRAWN BY REP
 CHECKED BY JAL
 DATE 12-18-17

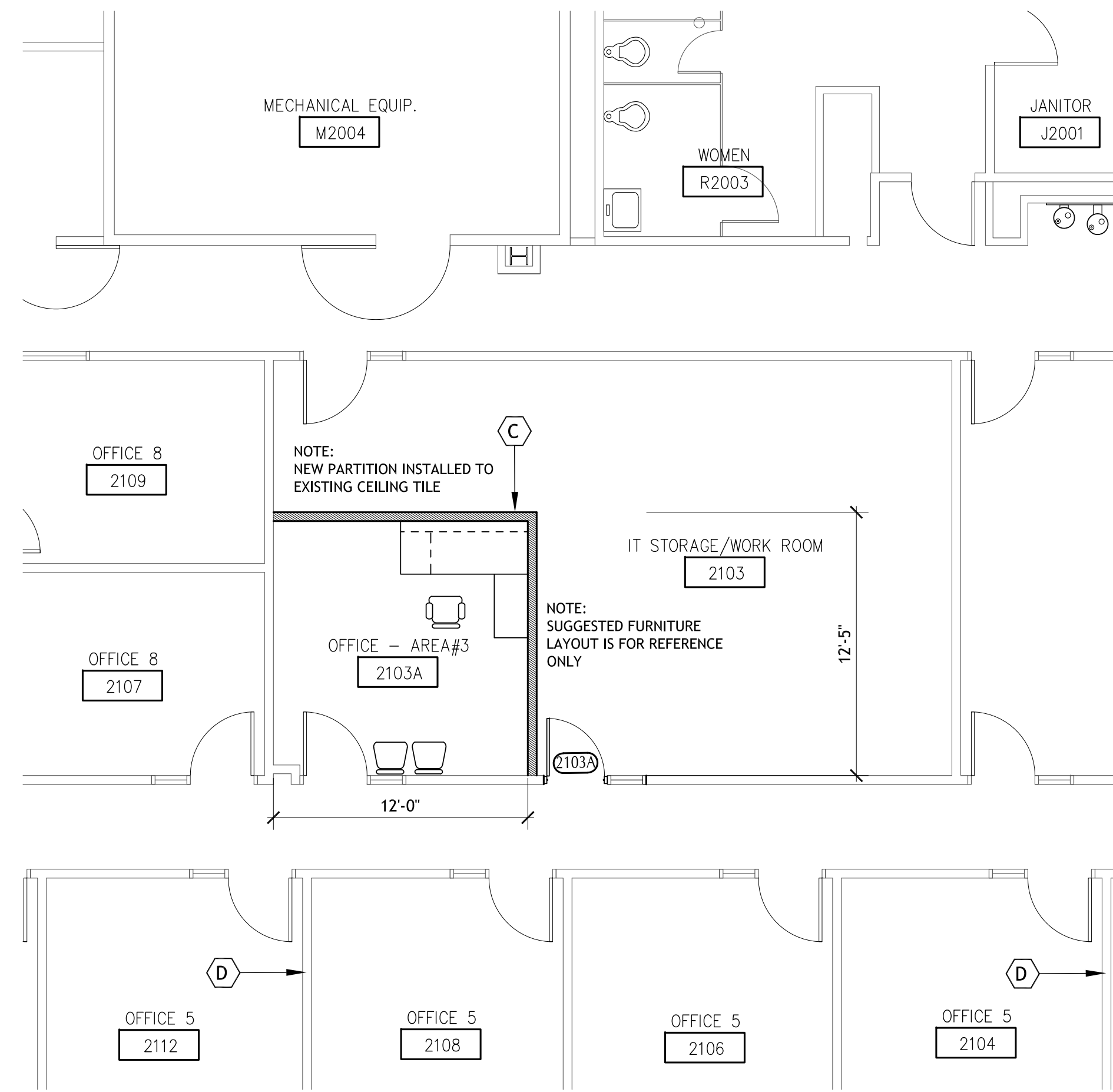
JAMES L. MOORE

ARCH 5090

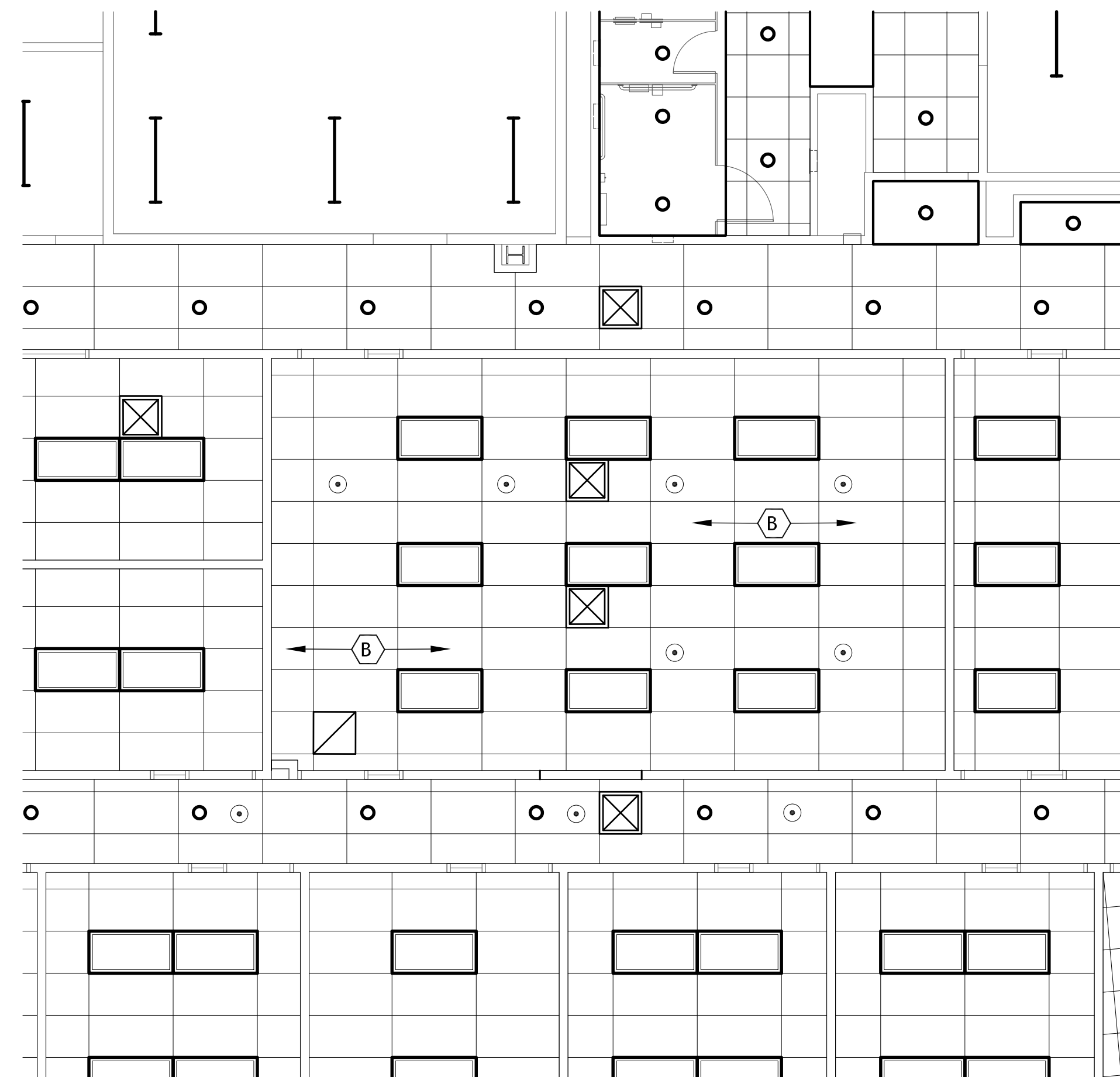
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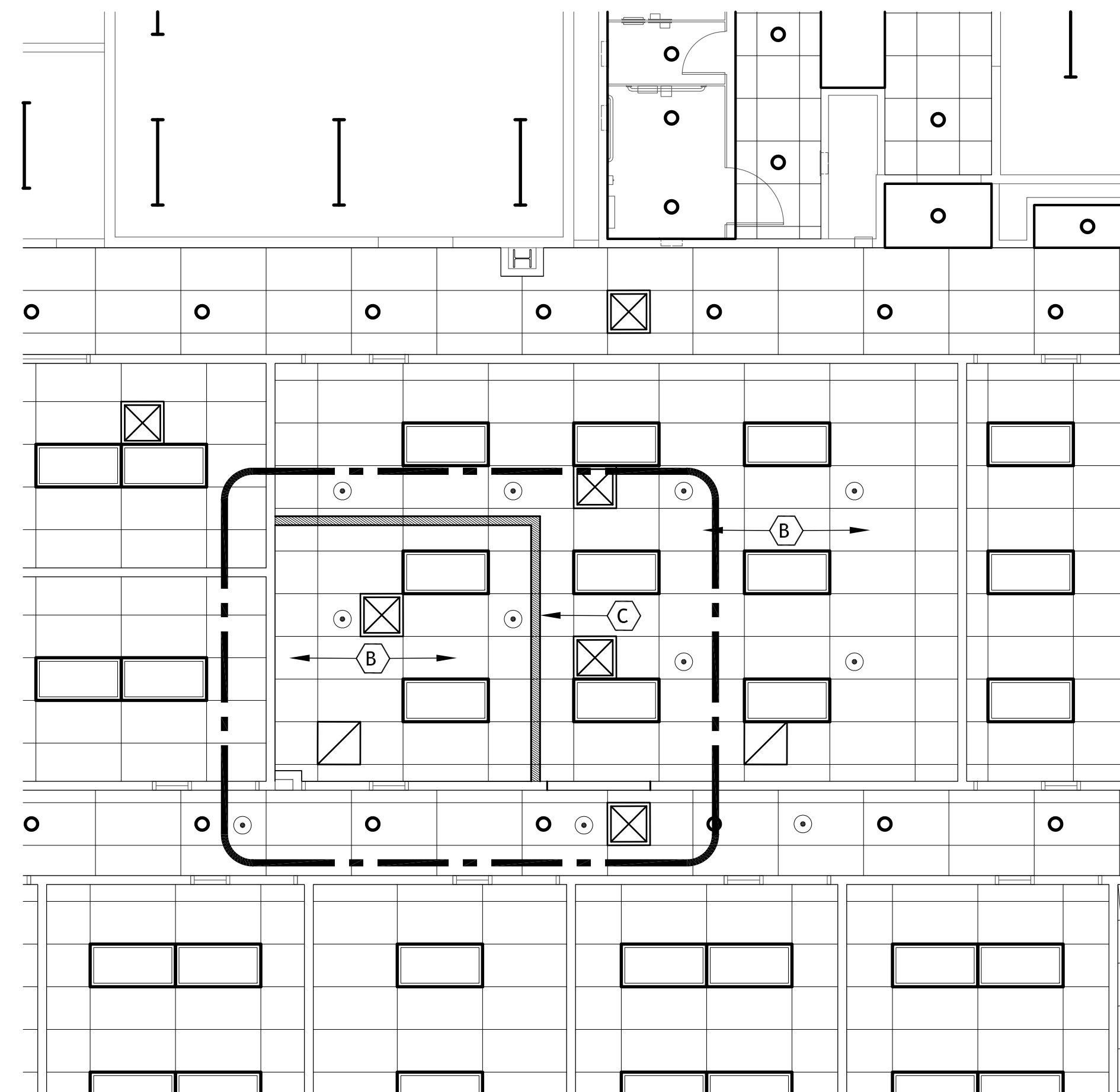
1 2ND FLOOR EXISTING PLAN - AREA #3
A-103 SCALE: 3/16 = 1'-0"



2 2ND FLOOR PROPOSED PLAN - AREA #3
A-103 SCALE: 3/16 = 1'-0"



3 2ND FLOOR EXISTING CEILING PLAN - AREA #3
A-103 SCALE: 3/16 = 1'-0"



4 2ND FLOOR PROPOSED CEILING PLAN - AREA #3
A-103 SCALE: 3/16 = 1'-0"

GENERAL HEX NOTES:

- (A) RELOCATE EXISTING 2'x4' CEILING LIGHT
- (B) EXISTING TILE AND CEILING GRID
- (C) METAL STUD PARTITION
- (D) EXISTING PARTITION TO REMAIN

NOTE: INSTALL METAL STUD PARTITIONS AS INDICATED UP TO EXISTING CEILING GRID SYSTEM.

EXISTING LIGHT FIXTURES SHOWN IN PLACE.

SUPPLY AND RETURN AIR GRILLES, SEE MECHANICAL DRAWINGS.

REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER INFORMATION.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

CONSULTANTS

SIGNATURE AND DATED SEAL

PROJECT ADDRESS
OCU CENTRAL ADMINISTRATION BUILDING
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32815

OWNER NAME AND ADDRESS
ORANGE COUNTY UTILITIES
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32815

REV. DESCRIPTION DATE

16-16 100% CONST. DOCS
AS NOTED
GAB FILE
REP
JUL
12-18-17

PROJECT NO. 16-16

PHASE 100% CONST. DOCS

SCALE AS NOTED

FILE NAME GAB FILE

DRAWN BY REP

CHECKED BY JUL

DATE 12-18-17

ORIGINATOR

DATE

PROJECT TITLE

SECOND FLOOR PLANS - AREA #3

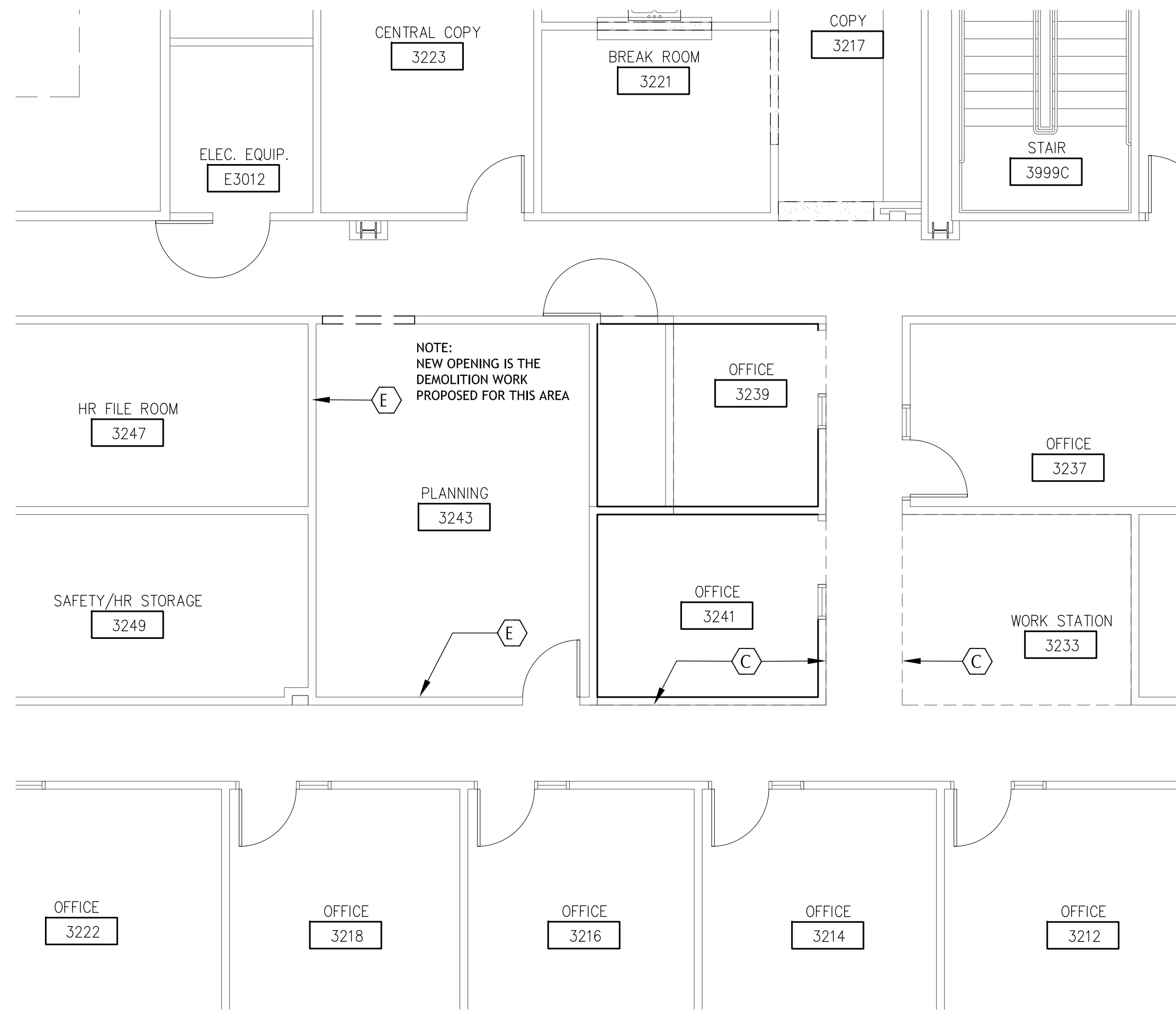
CONSULTANTS

BORRELLI + PARTNERS
ARCHITECTURE PLANNING LANDSCAPE INTERIOR
730 VASSAR STREET
ORLANDO, FL 32804 (407) 418-1338
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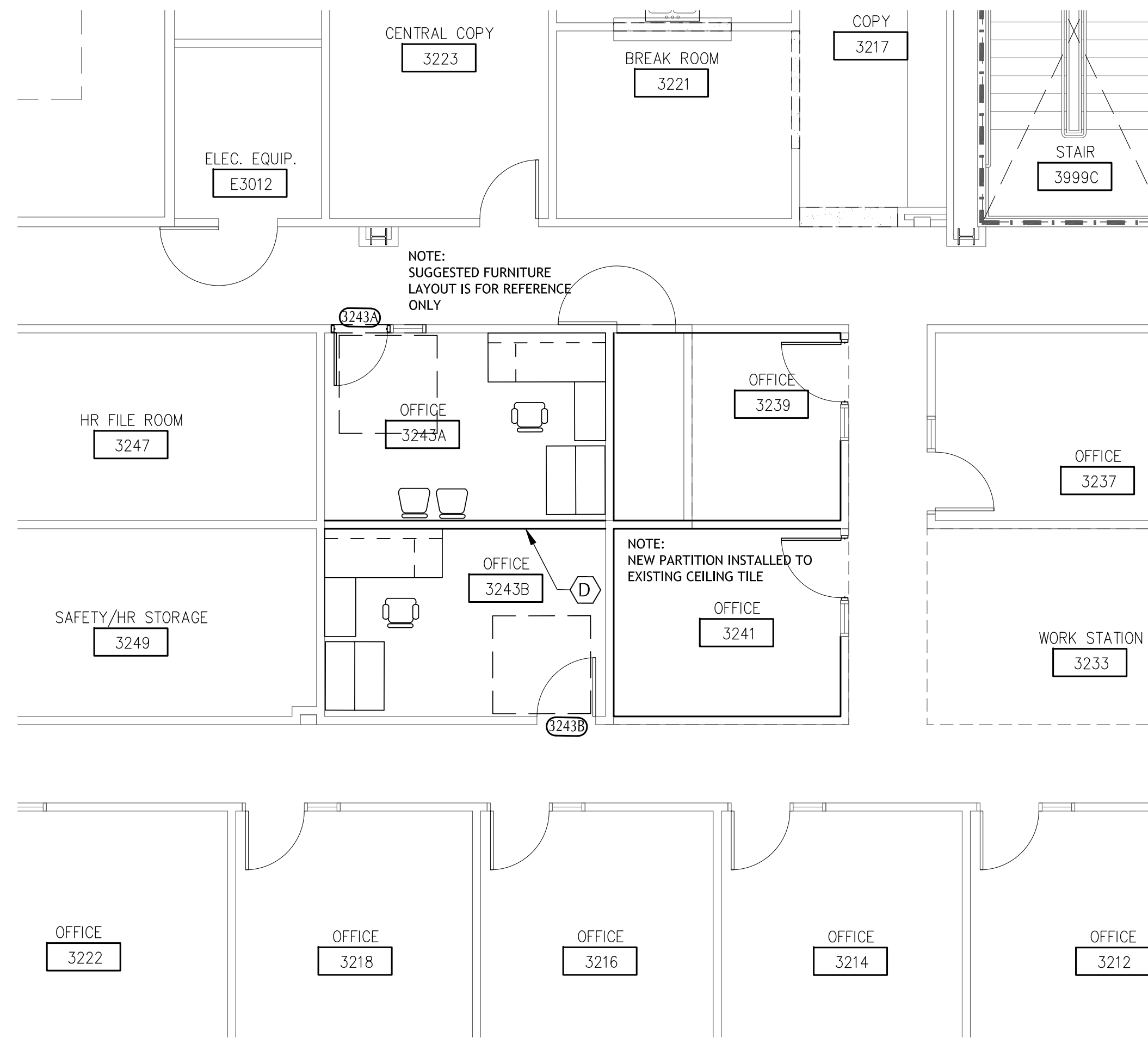
CONSULTANTS

JAMES L. MOORE
ARC9390

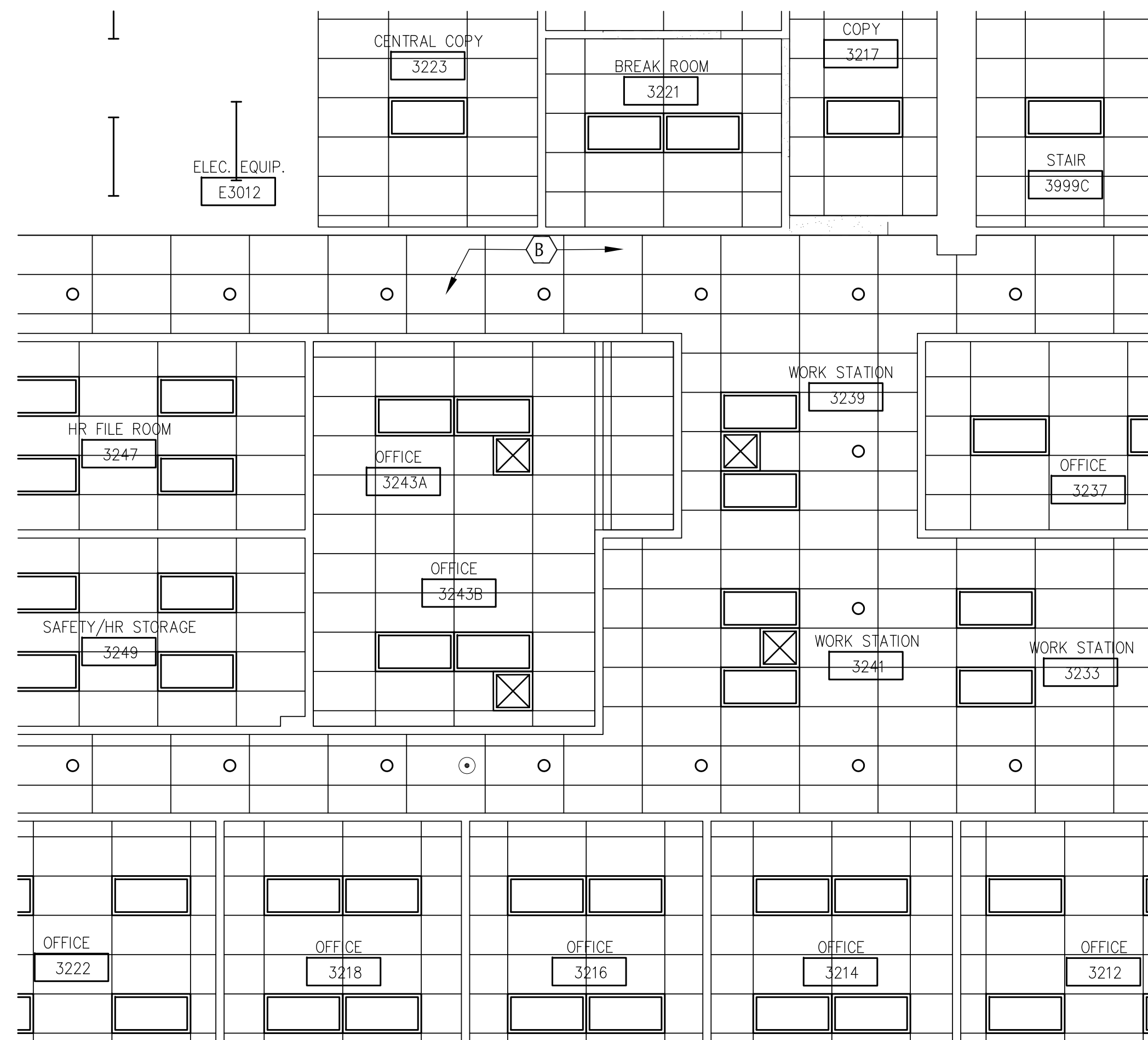
A-103



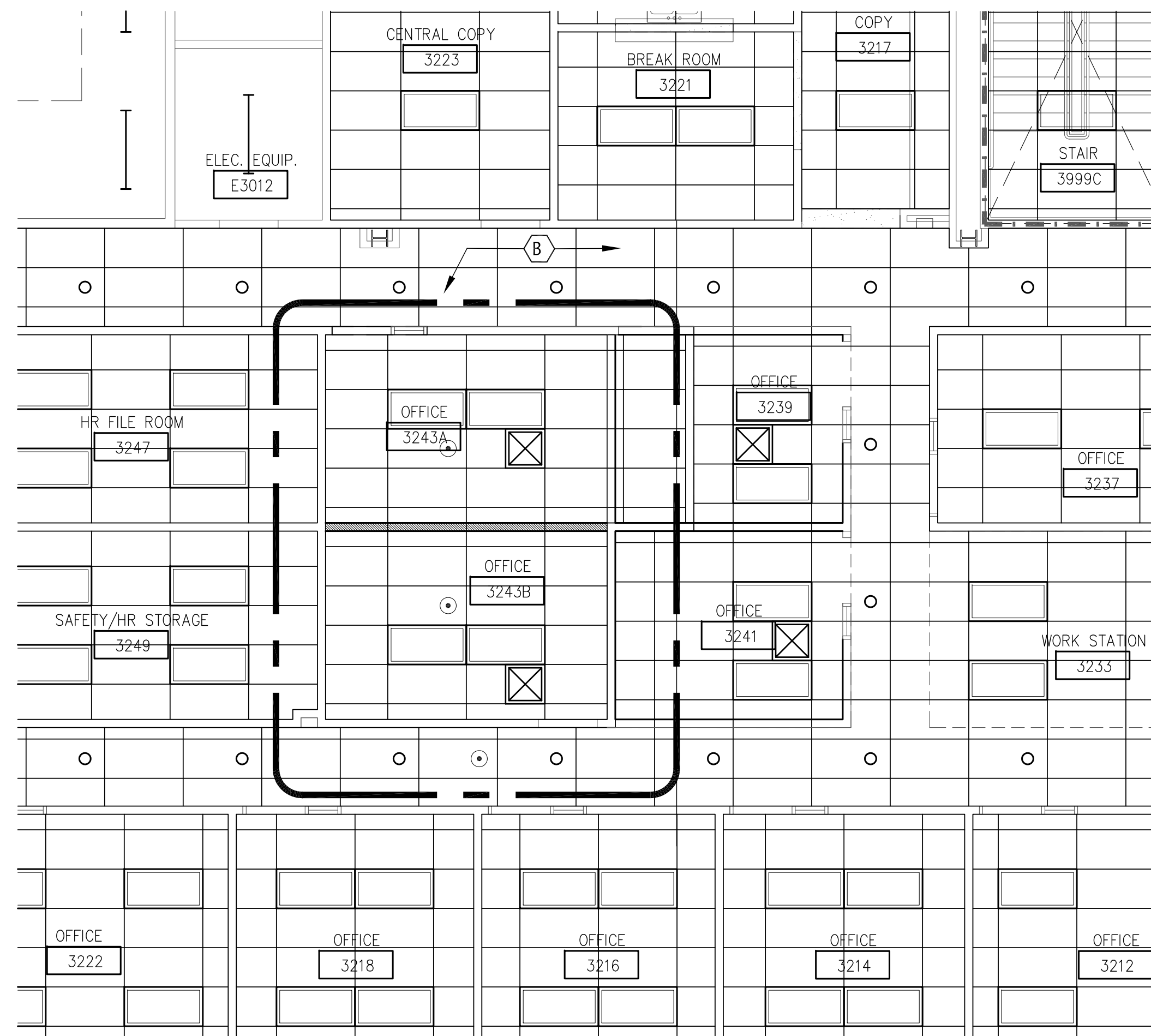
1 3RD FLOOR EXISTING PLAN - AREA #4
SCALE: 3/16" = 1'-0"



2 3RD FLOOR PROPOSED PLAN - AREA #4
SCALE: 3/16" = 1'-0"



3 3RD FLOOR EXISTING CEILING PLAN - AREA #4
SCALE: 3/16" = 1'-0"



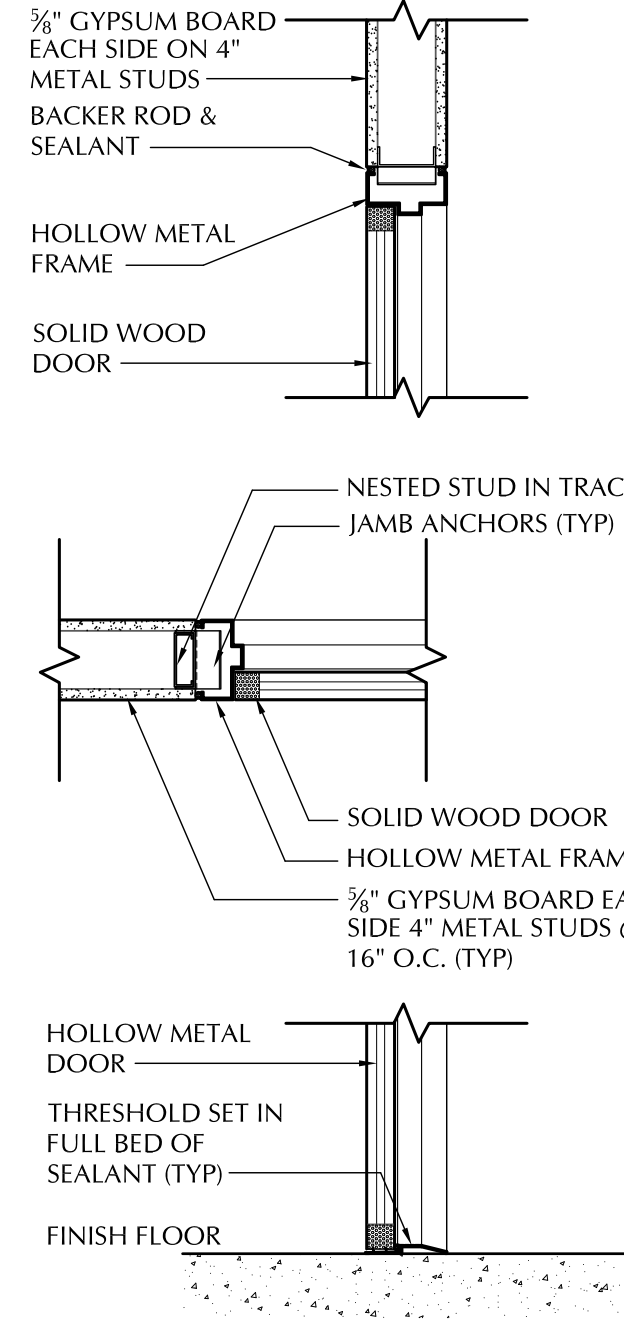
4 3RD FLOOR PROPOSED CEILING PLAN - AREA #4
SCALE: 3/16" = 1'-0"

- GENERAL HEX NOTES:
- (A) RELOCATE EXISTING 2'X4' CEILING LIGHT
 - (B) EXISTING TILE AND CEILING GRID
 - (C) EXISTING CUBICLE
 - (D) METAL STUD PARTITION
 - (E) EXISTING PARTITION TO REMAIN

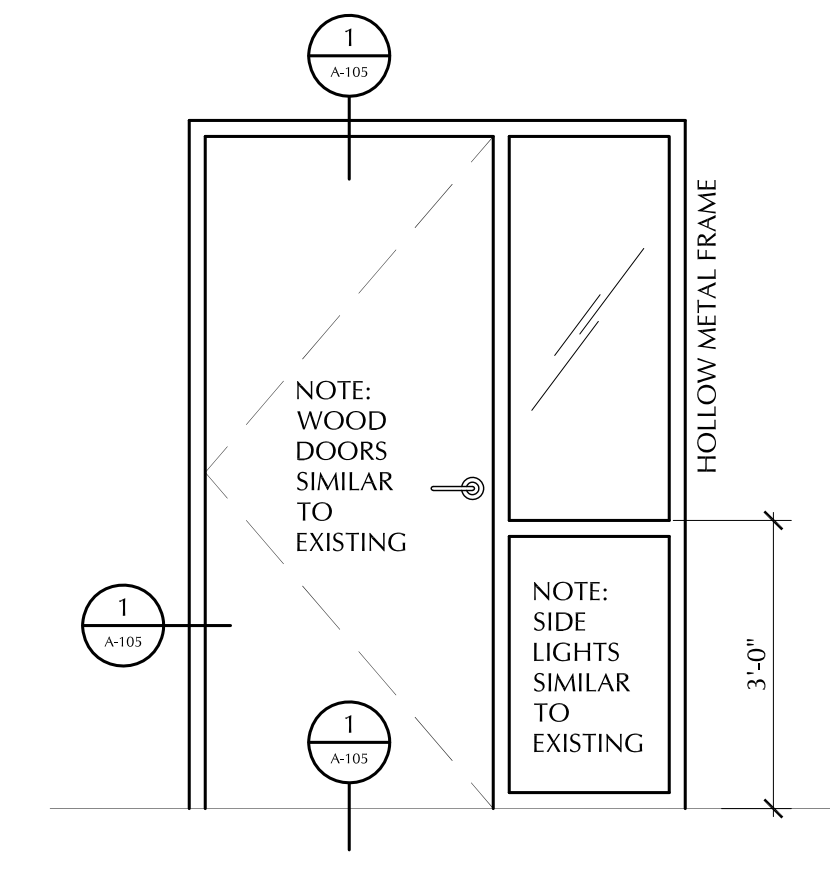
NOTE:
INSTALL METAL STUD PARTITIONS AS INDICATED UP TO EXISTING CEILING GRID SYSTEM.
EXISTING LIGHT FIXTURES SHOWN IN PLACE.
SUPPLY AND RETURN AIR GRILLES, SEE MECHANICAL DRAWINGS.
REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER INFORMATION.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

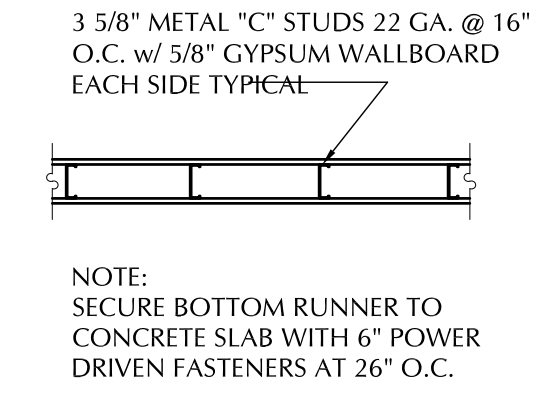
 BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR	730 VASSAR STREET ORLANDO, FL 32804 (407) 418-1338 <small>CONTRACTOR HAS REVIEWED THE PROPERTY OF BORRELLI + PARTNERS AND HAS NOTIFIED THE ARCHITECT OF ANY DISCREPANCIES. CONTRACTOR'S REVIEW IS LIMITED TO THE INFORMATION PROVIDED BY PARTNERS AND IS NOT A GUARANTEE OF ACCURACY. PARTNERS AND BORRELLI + PARTNERS ARE NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS.</small>	SIGNATURE AND DATED SEAL CONSULTANTS	THIRD FLOOR PLAN DRAWINGS - AREA #4	DRAWING TITLE	PROJECT ADDRESS OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32835	OWNER NAME AND ADDRESS ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32835
PROJECT NO. 16-166 PHASE 100% CONST. DOCS SCALE AS NOTED FILE NAME GAB FILE DRAWN BY REP CHECKED BY JAL DATE 12-18-17	REV. DESCRIPTION 1 2 3 4	PROJECT DATE 12-18-17	DRAWING TITLE THIRD FLOOR PLAN DRAWINGS - AREA #4	PROJECT ADDRESS OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32835	OWNER NAME AND ADDRESS ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32835	SIGNATURE AND DATED SEAL CONSULTANTS



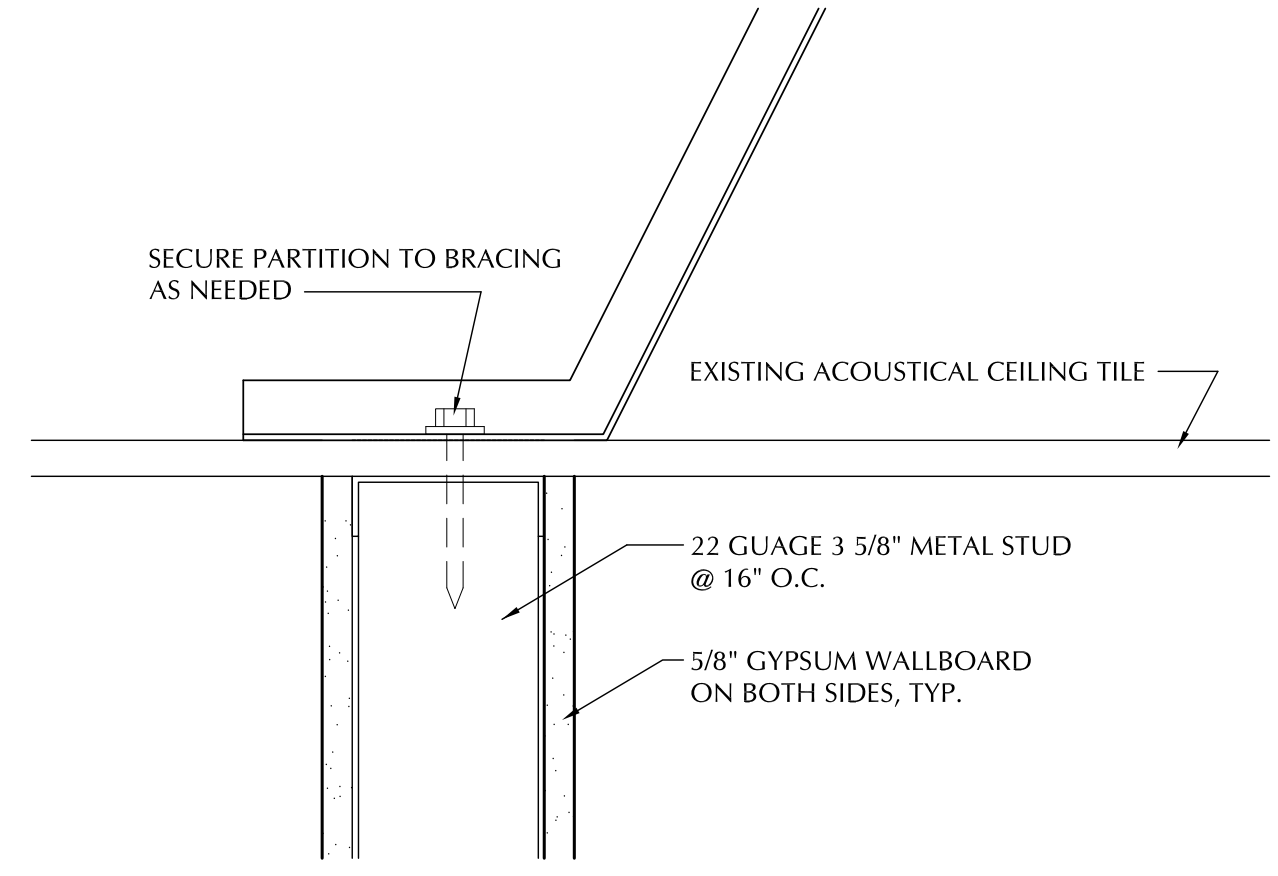
1
A-105
1" = 1'-0"



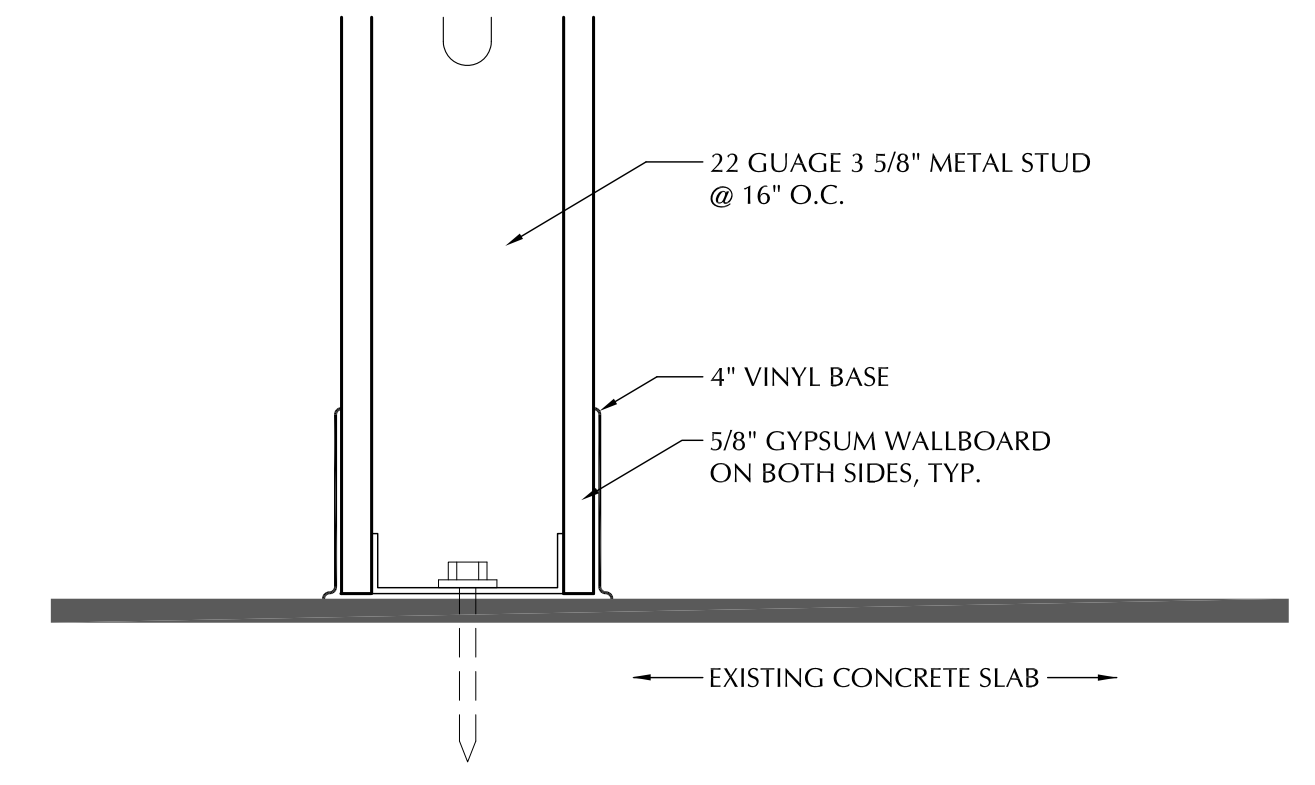
2
A-105
1/2" = 1'-0"



3
A-105
1/2" = 1'-0"



4
A-105
1/2" = 1'-0"

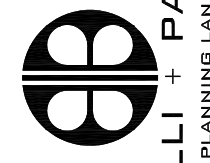


5
A-105
1/2" = 1'-0"

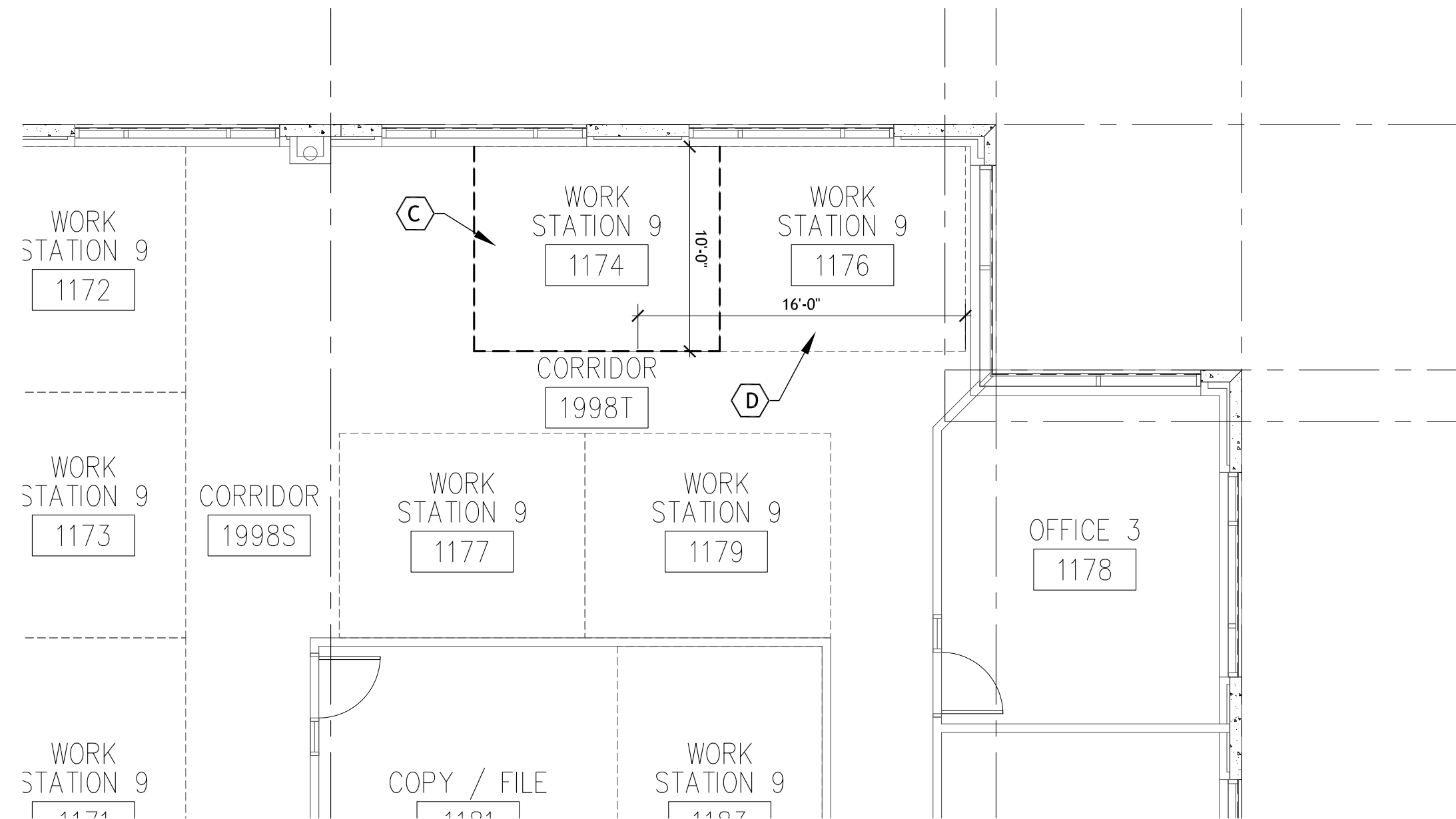
DOOR SCHEDULE								
NO.	DOOR				FRAME MATERIAL	HARDWARE SET	REMARKS	
	TYPE	WIDTH	HEIGHT	THICK				
176	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
188	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
107	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
101	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
217	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
217	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
217	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
218	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
103	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
323	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
324	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
243	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH
243	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	-	HARDWARE & DOOR MATCH EXISTING FINISH

* F FLUSH DOOR

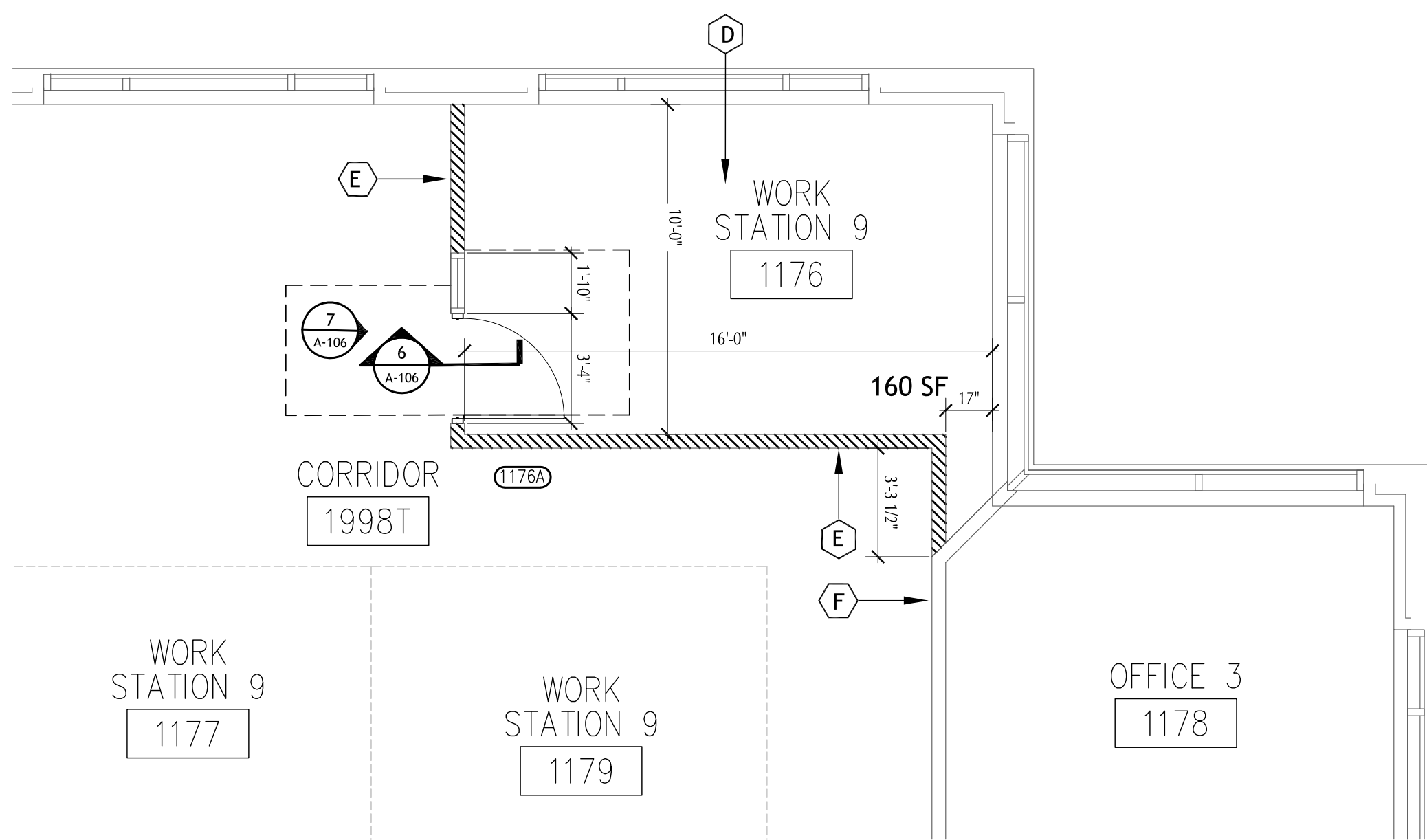
INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

 BORRELLI + PARTNERS ARCHITECTURE PLANNING INTERIOR LANDSCAPE ORLANDO, FL 32804 (407) 418-1318 <small>THIS DOCUMENT IS THE PROPERTY OF BORRELLI + PARTNERS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR DISTRIBUTION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF BORRELLI + PARTNERS IS STRICTLY PROHIBITED.</small>	SIGNATURE AND DATED SEAL JAMES L. MOORE AR02990	CONSULTANTS 	INTERIOR MODIFICATION DETAILS, DOOR SCHEDULE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">PROJECT NO.</td> <td style="width: 15%;">16-946</td> <td style="width: 15%;">REV.</td> <td style="width: 15%;">DESCRIPTION / DATE</td> <td style="width: 40%;">DRAWING TITLE</td> </tr> <tr> <td>PHASE</td> <td>100% CONST. DOCS</td> <td>AS NOTED</td> <td>DESCRIPTION</td> <td>OCU CENTRAL ADMINISTRATION BUILDING 9130 CURRY FORD ROAD ORLANDO, FLORIDA 32825</td> </tr> <tr> <td>SCALE</td> <td>AS NOTED</td> <td>CAD FILE</td> <td>OWNER NAME AND ADDRESS</td> <td>ORANGE COUNTY UTILITIES 9130 CURRY FORD ROAD ORLANDO, FLORIDA 32825</td> </tr> <tr> <td>FILE NAME</td> <td></td> <td>RGP</td> <td></td> <td></td> </tr> <tr> <td>DRAWN BY</td> <td></td> <td>JIM</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>DATE</td> <td>12-18-17</td> <td></td> <td></td> <td></td> </tr> </table>	PROJECT NO.	16-946	REV.	DESCRIPTION / DATE	DRAWING TITLE	PHASE	100% CONST. DOCS	AS NOTED	DESCRIPTION	OCU CENTRAL ADMINISTRATION BUILDING 9130 CURRY FORD ROAD ORLANDO, FLORIDA 32825	SCALE	AS NOTED	CAD FILE	OWNER NAME AND ADDRESS	ORANGE COUNTY UTILITIES 9130 CURRY FORD ROAD ORLANDO, FLORIDA 32825	FILE NAME		RGP			DRAWN BY		JIM			CHECKED BY					DATE	12-18-17			
PROJECT NO.	16-946	REV.	DESCRIPTION / DATE	DRAWING TITLE																																			
PHASE	100% CONST. DOCS	AS NOTED	DESCRIPTION	OCU CENTRAL ADMINISTRATION BUILDING 9130 CURRY FORD ROAD ORLANDO, FLORIDA 32825																																			
SCALE	AS NOTED	CAD FILE	OWNER NAME AND ADDRESS	ORANGE COUNTY UTILITIES 9130 CURRY FORD ROAD ORLANDO, FLORIDA 32825																																			
FILE NAME		RGP																																					
DRAWN BY		JIM																																					
CHECKED BY																																							
DATE	12-18-17																																						

A-105



1 1ST FLOOR EXISTING PLAN - AREA#5
A-106 SCALE: 3/16 = 1'-0"

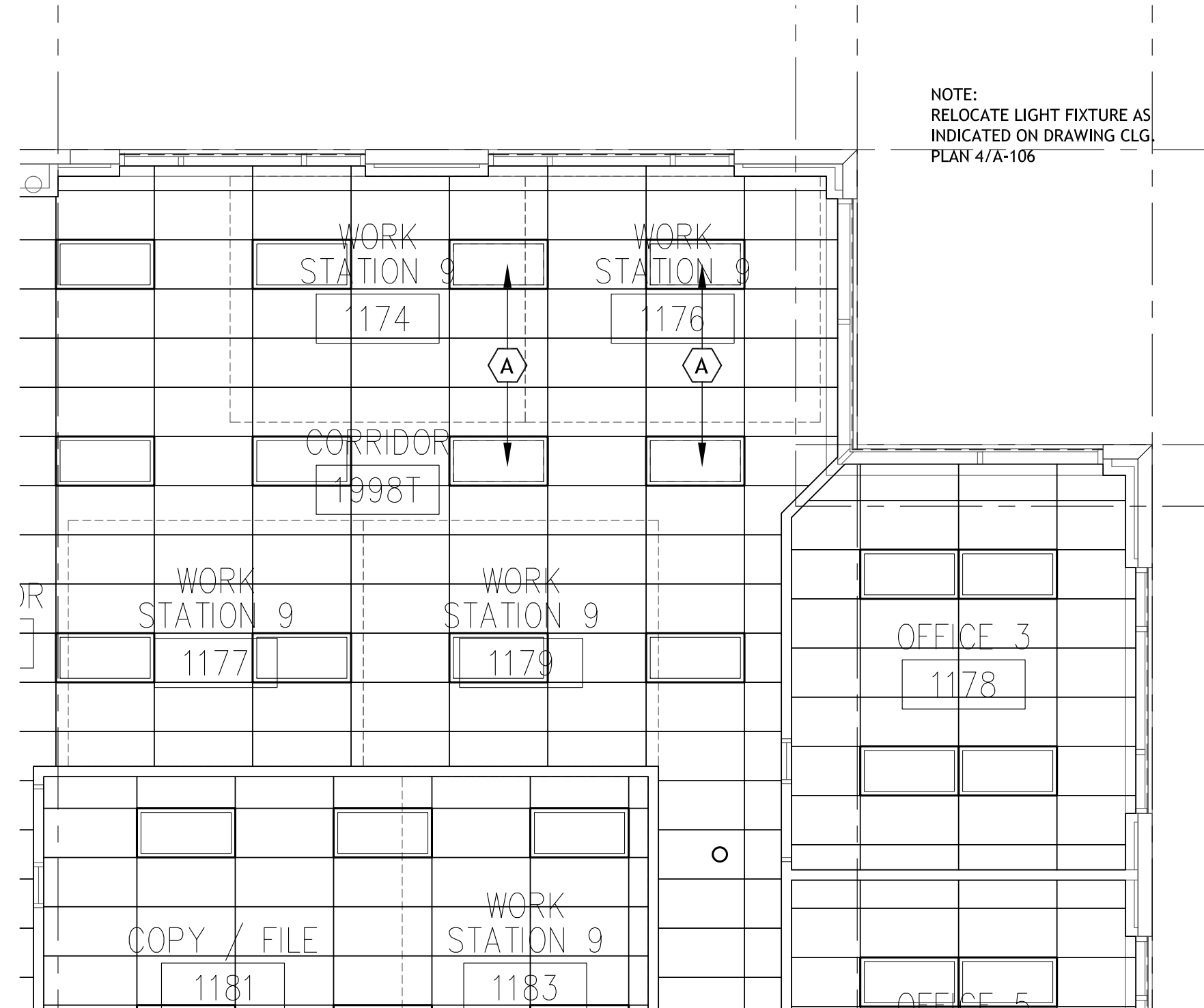


2 1ST FLOOR PROPOSED PLAN - AREA#5
A-106 SCALE: 1/4 = 1'-0"

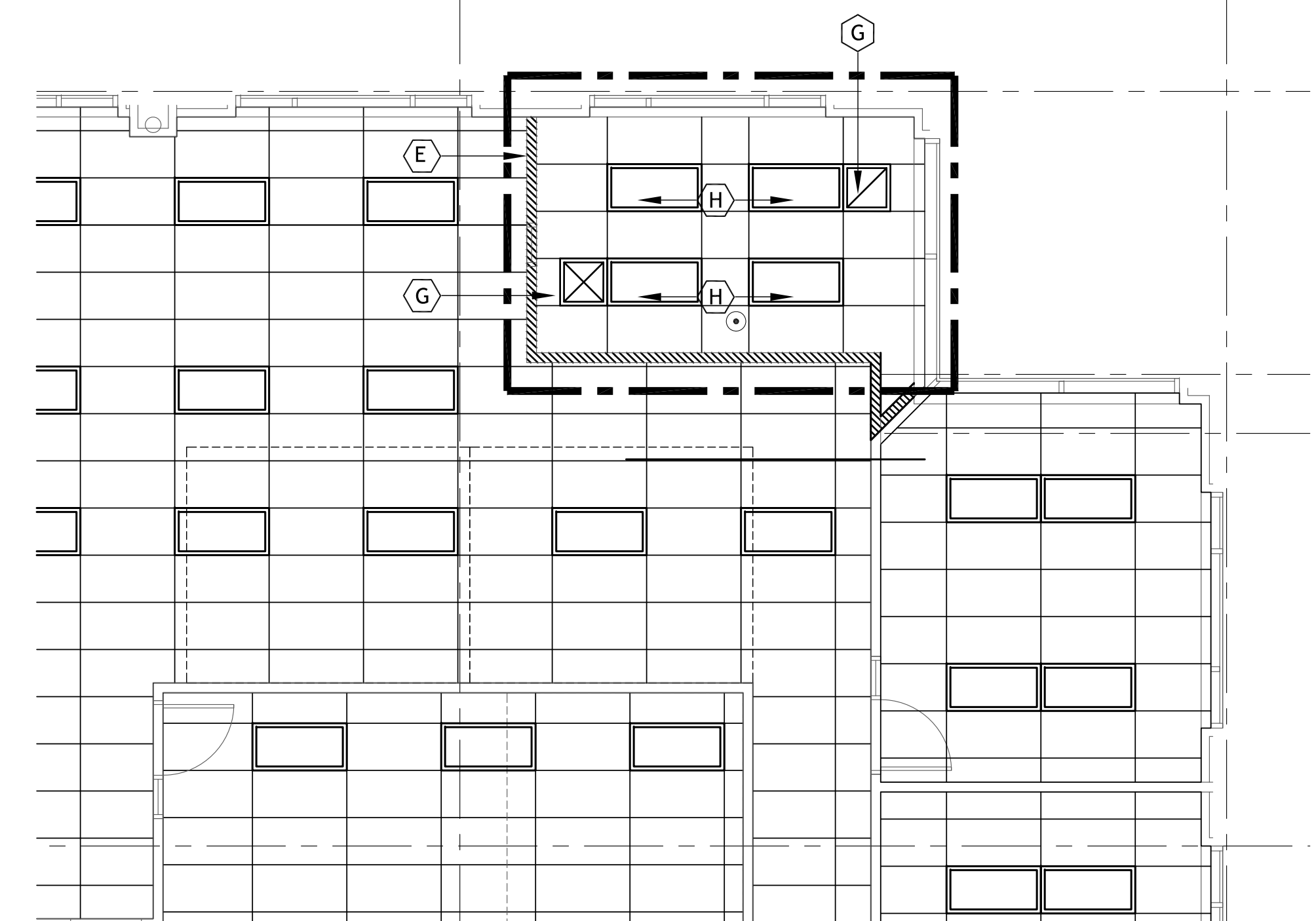
- GENERAL HEX NOTES:
- (A) RELOCATE EXISTING 2'-0" X 4'-0" CEILING LIGHT
 - (B) RELOCATE EXISTING TILE AND CEILING GRID
 - (C) EXISTING CUBICLE TO BE REMOVED
 - (D) CUBICLE TO REMAIN WITH AN AREA OF 16'X10'
 - (E) METAL STUD PARTITION, INSTALL METAL STUD PARTITION AS INDICATED UP TO EXISTING CEILING GRID SYSTEM.
 - (F) EXISTING PARTITION TO REMAIN
 - (G) NEW LOCATION SUPPLY AIR GRILLE SHOWN IN PLACE, FOR ADDITIONAL INFORMATION SEE MECHANICAL DRAWINGS.
 - (H) NEW 2'-0" X 4'-0" CEILING LIGHT LOCATION

NOTE:
REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER INFORMATION.

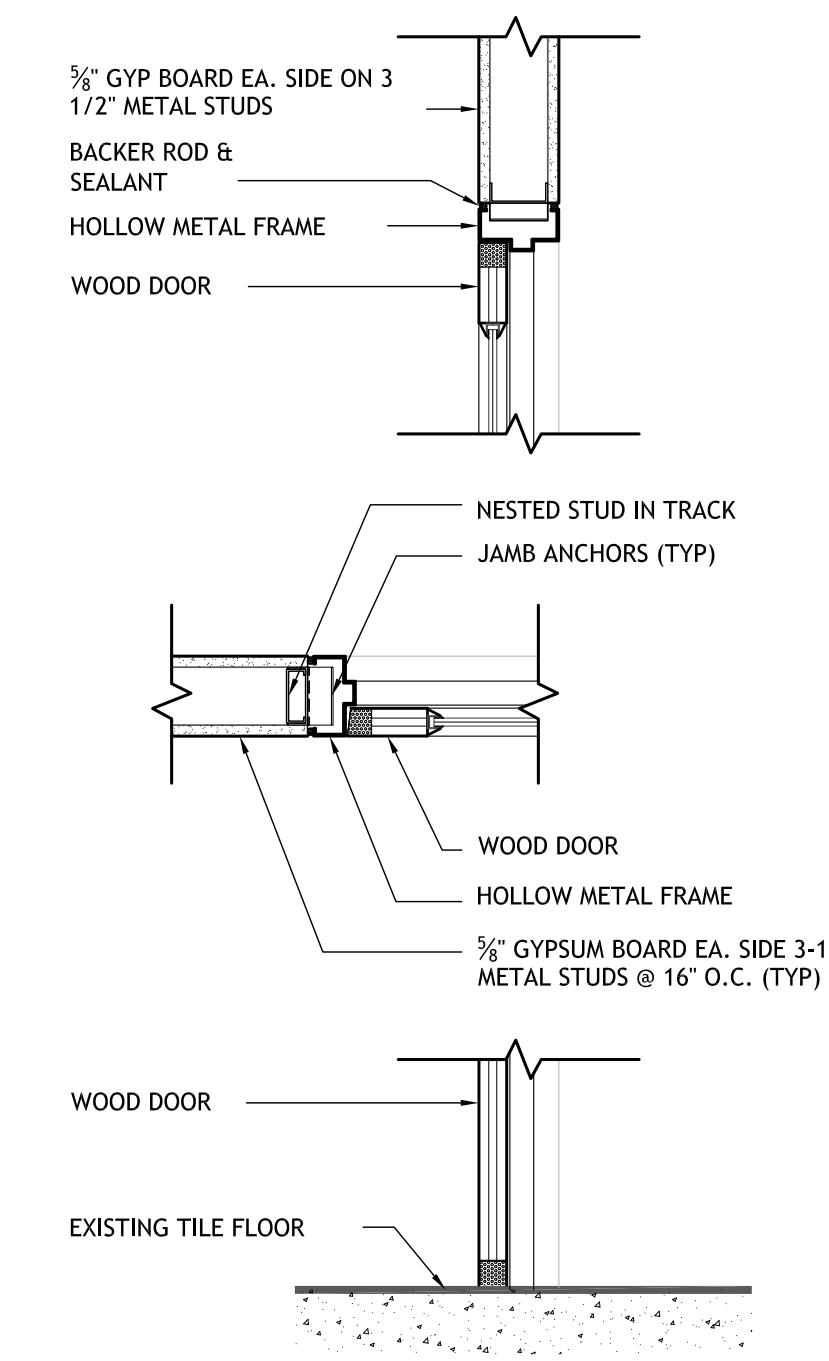
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CHAPTER 4: ACCESSIBLE ROUTES
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATE



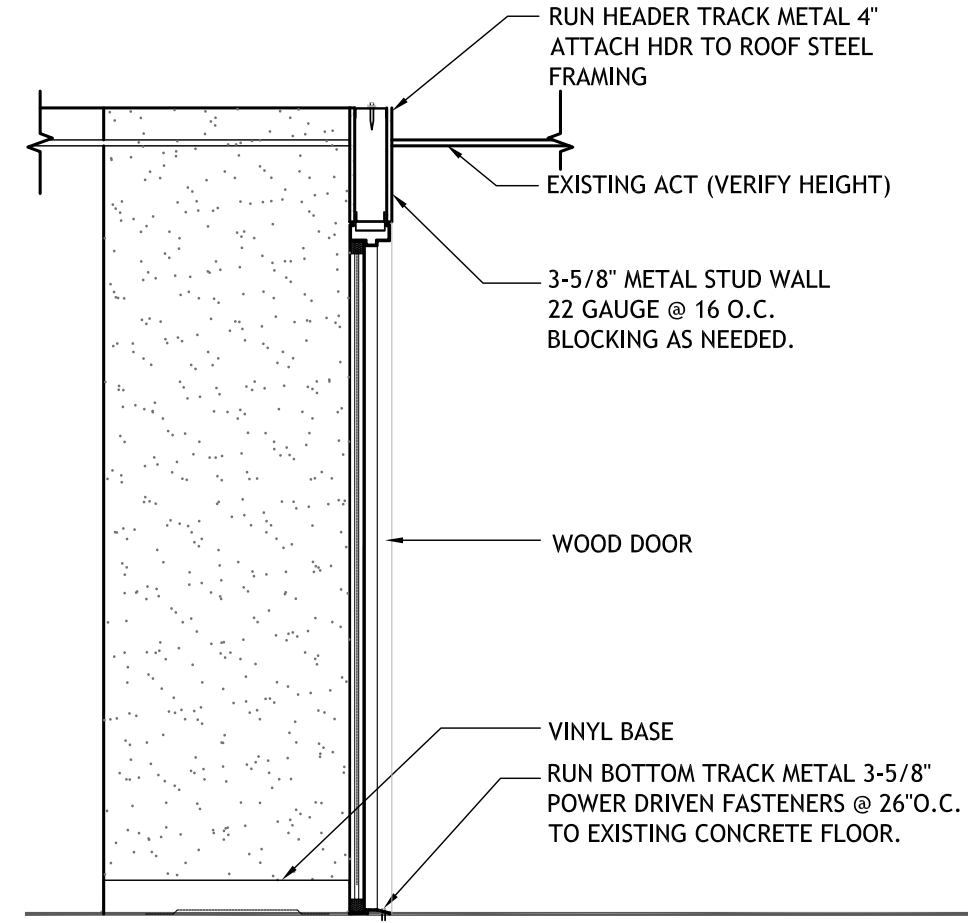
3 1ST FLOOR DEMOLITION CEILING PLAN - AREA#5
A-106 SCALE: 3/16 = 1'-0"



4 1ST FLOOR PROPOSED CEILING PLAN - AREA#5
A-106 SCALE: 3/16 = 1'-0"

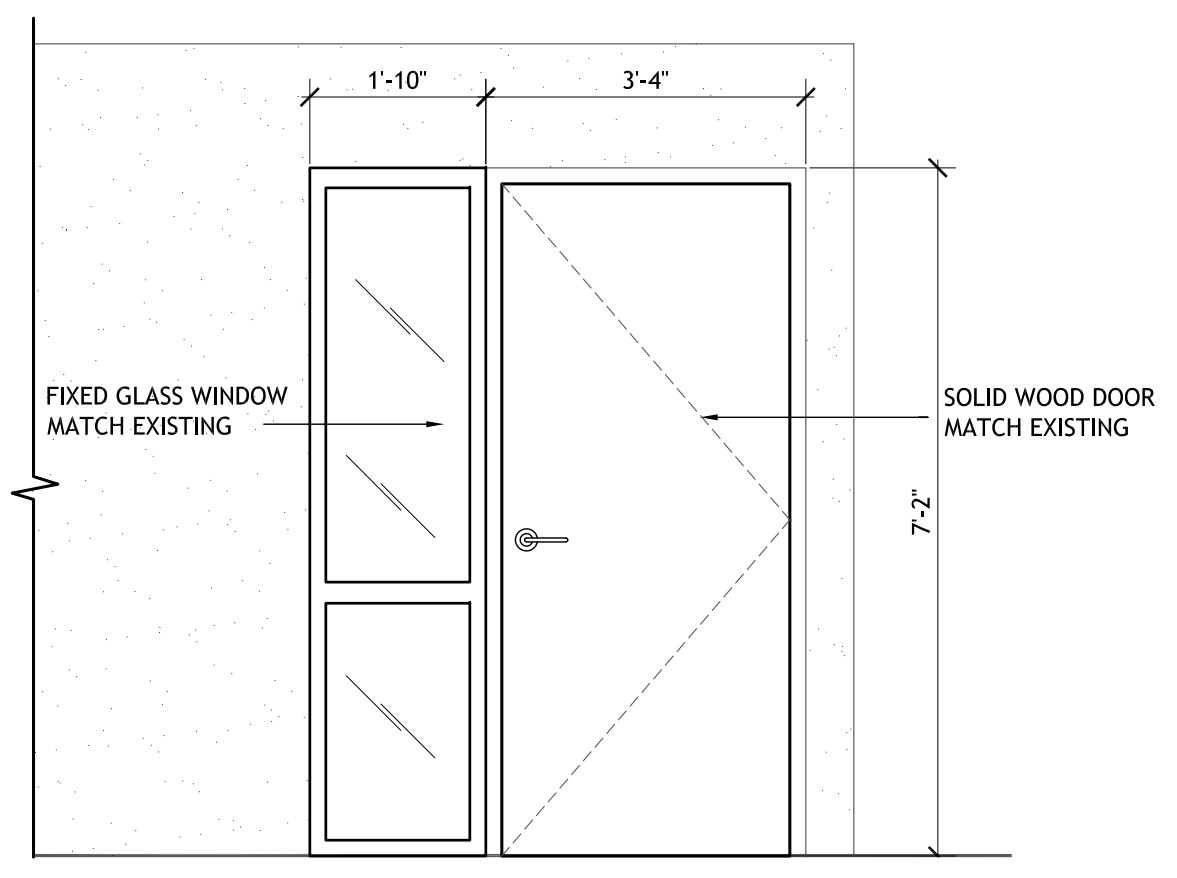


5 WOOD DOOR DETAIL
A-106 1"=1'-0"



6 DOOR SECTION
A-106 1/2"=1'-0"

DOOR SCHEDULE									
NO.	DOOR					FRAME MATERIAL	HARDWARE SET	REMARKS	
	TYPE	WIDTH	HEIGHT	THICK	MATERIAL				
(1176)	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	--	SOLID WOOD DOOR	

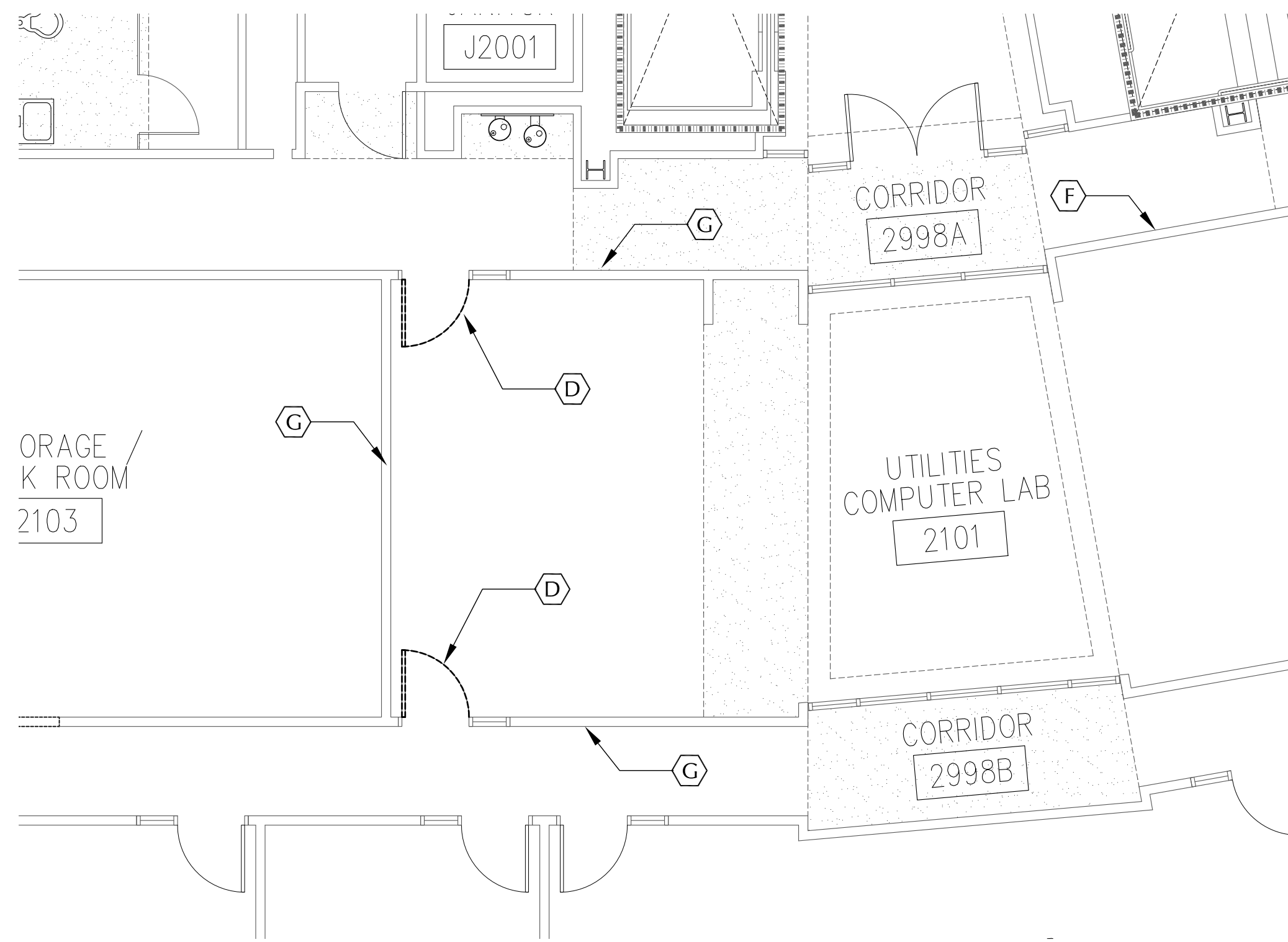


7 FRONT ELEVATION
A-106 1/2"=1'-0"

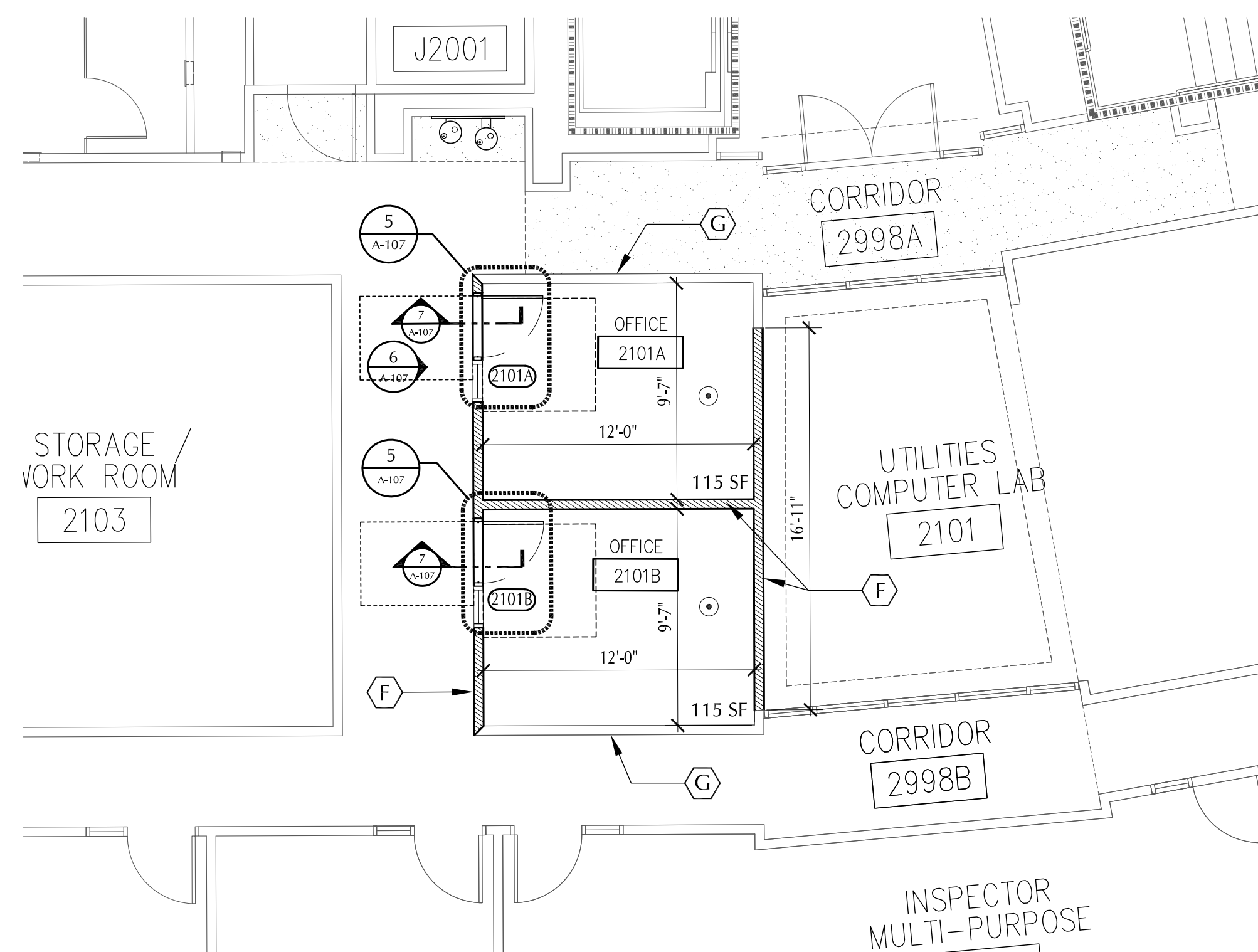
INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

 BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR 720 VASSAR STREET ORLANDO, FL 32804 (407) 418-1318 <small>THESE DRAWINGS ARE THE PROPERTY OF BORRELLI + PARTNERS AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BORRELLI + PARTNERS. COPYRIGHT BORRELLI + PARTNERS, LLC 2017.</small>		SIGNATURE AND DATED SEAL JAMES L. MOORE A029390
CONSULTANTS		DRAWING TITLE
PROJECT ADDRESS		FIRST FLOOR PLAN DRAWINGS - AREA #5
PROJECT NO.	DATE	DRAWING TITLE
PHASE	DESCRIPTION	DRAWING TITLE
SCALE	100% CONST. DOCS	DRAWING TITLE
FILE NAME	AS NOTED	DRAWING TITLE
DRAWN BY	C/D FILE	DRAWING TITLE
CHECKED BY	RGP	DRAWING TITLE
DATE	JLM	DRAWING TITLE
DATE	12-18-17	DRAWING TITLE

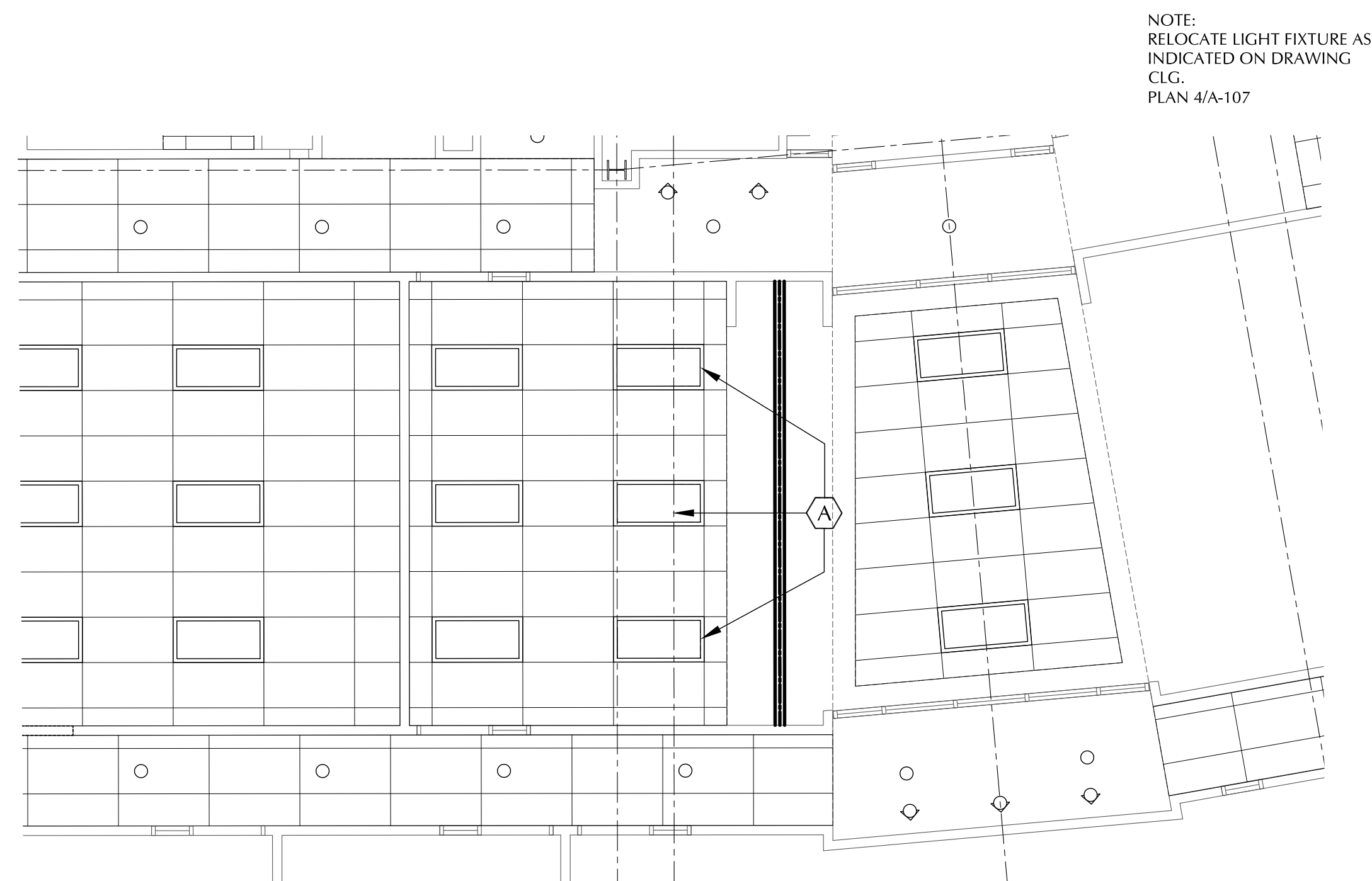
A-106



1 2ND FLOOR EXISTING PLAN - AREA#6
A-107 SCALE: 3/16 = 1'-0"

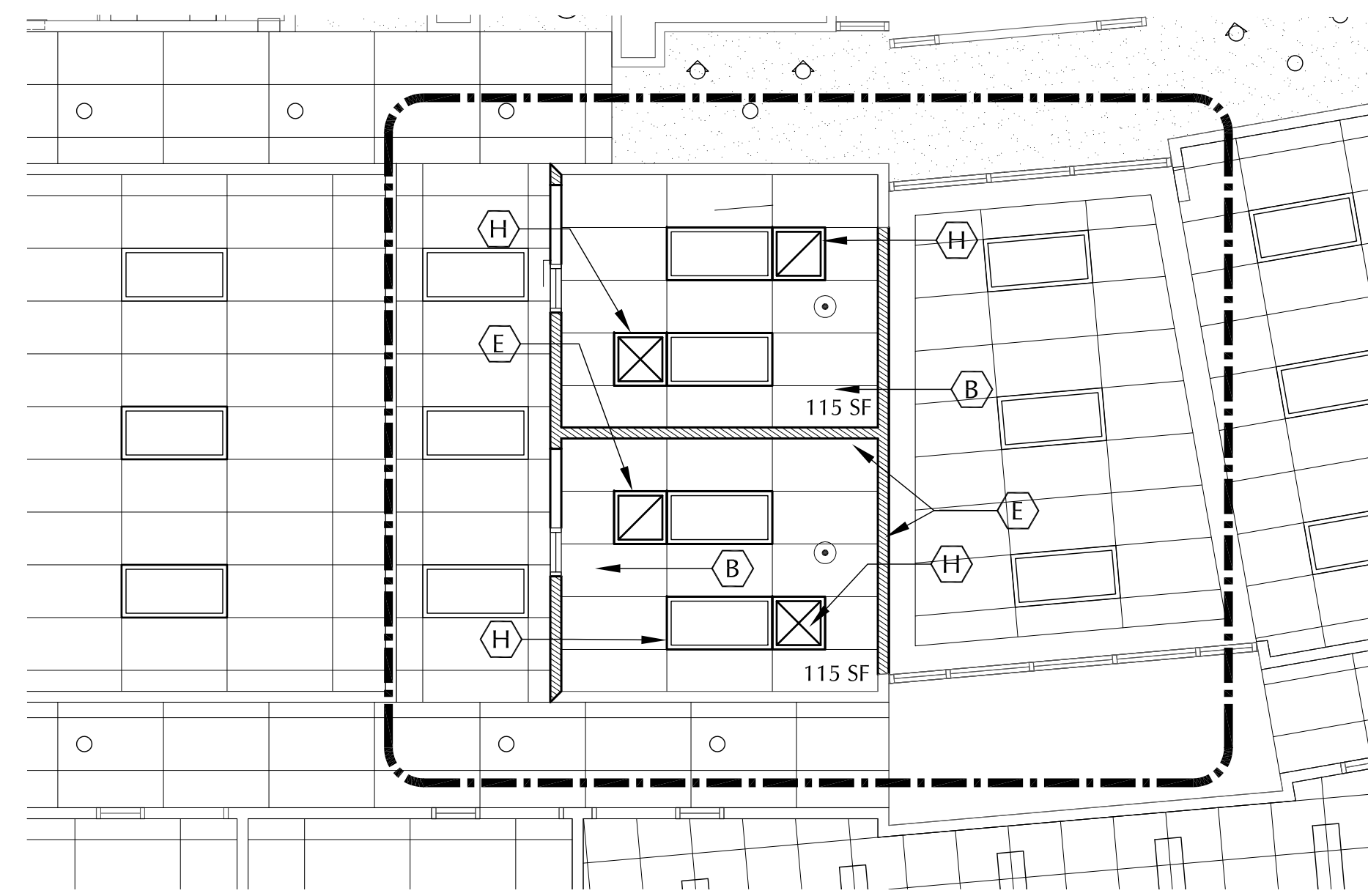


2 2ND FLOOR PROPOSED PLAN - AREA#6
A-107 SCALE: 3/16 = 1'-0"



3 2ND FLOOR EXISTING CEILING PLAN - AREA#6
A-107 SCALE: 3/16 = 1'-0"

NOTE:
RELOCATE LIGHT FIXTURE AS
INDICATED ON DRAWING
CLG.
PLAN 4/A-107



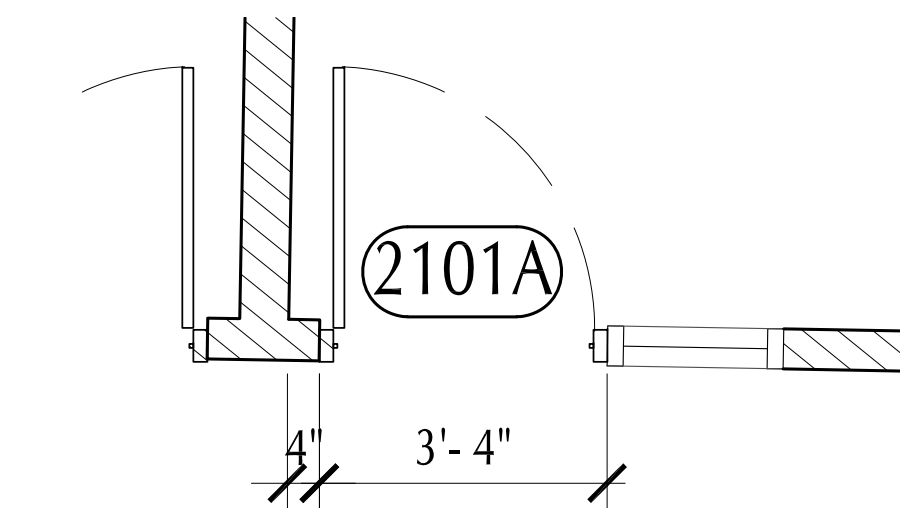
4 2ND FLOOR PROPOSED CEILING PLAN - AREA#6
A-107 SCALE: 3/16 = 1'-0"

GENERAL HEX NOTES:

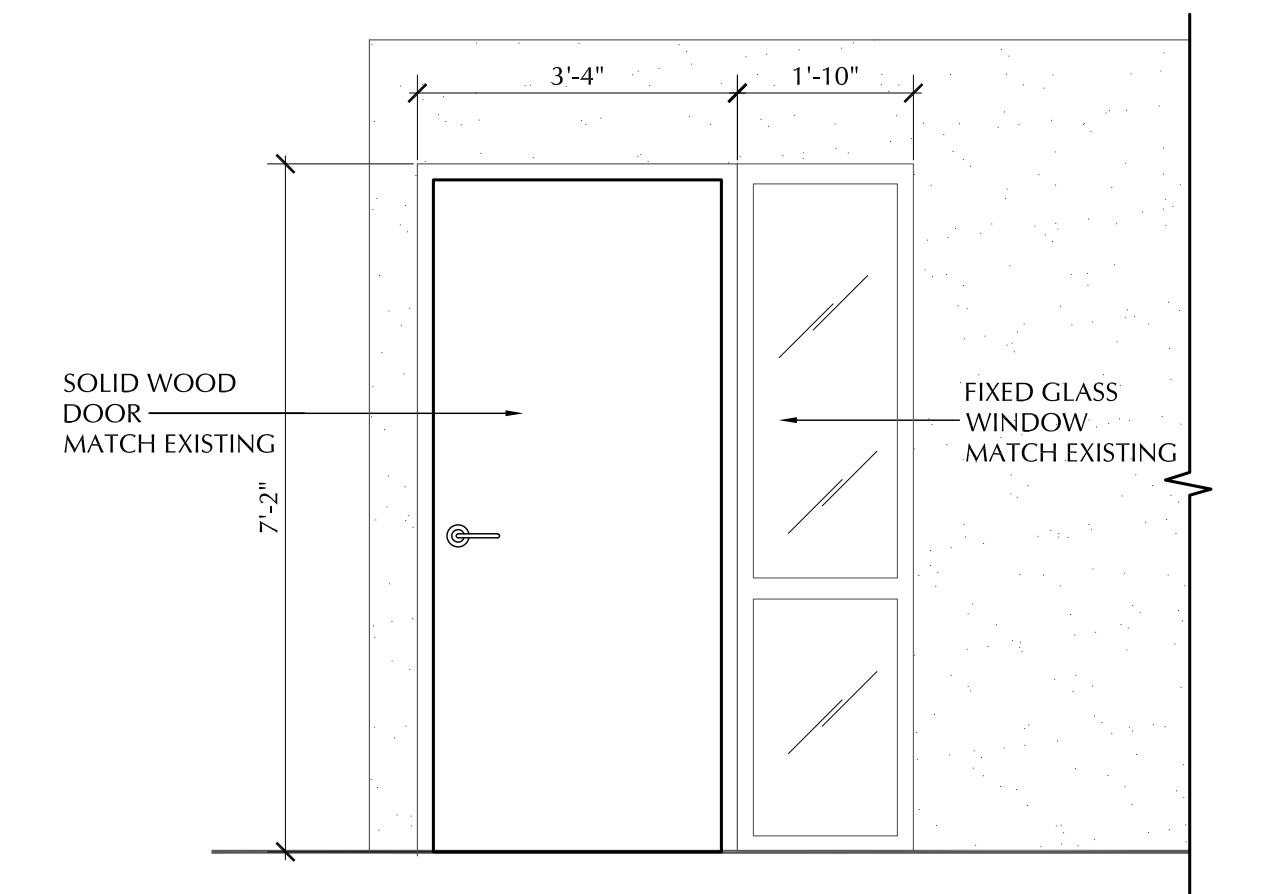
- A RELOCATE EXISTING 2'X4' CEILING LIGHT
- B NEW TILE AND CEILING GRID
- C EXISTING CUBICLE TO BE REMOVED
- D EXISTING DOOR TO BE RELOCATED
- E CUBICLE TO REMAIN WITH AN AREA OF 16'X10'
- F METAL STUD PARTITION, INSTALL METAL STUD PARTITION AS INDICATED UP TO EXISTING CEILING GRID SYSTEM.
- G EXISTING PARTITION TO REMAIN
- H NEW LOCATION SUPPLY AIR GRILLE SHOWN IN PLACE, FOR ADDITIONAL INFORMATION SEE MECHANICAL DRAWINGS.

NOTE:
REFER TO FIRE PROTECTION
DRAWINGS FOR SPRINKLER
INFORMATION.

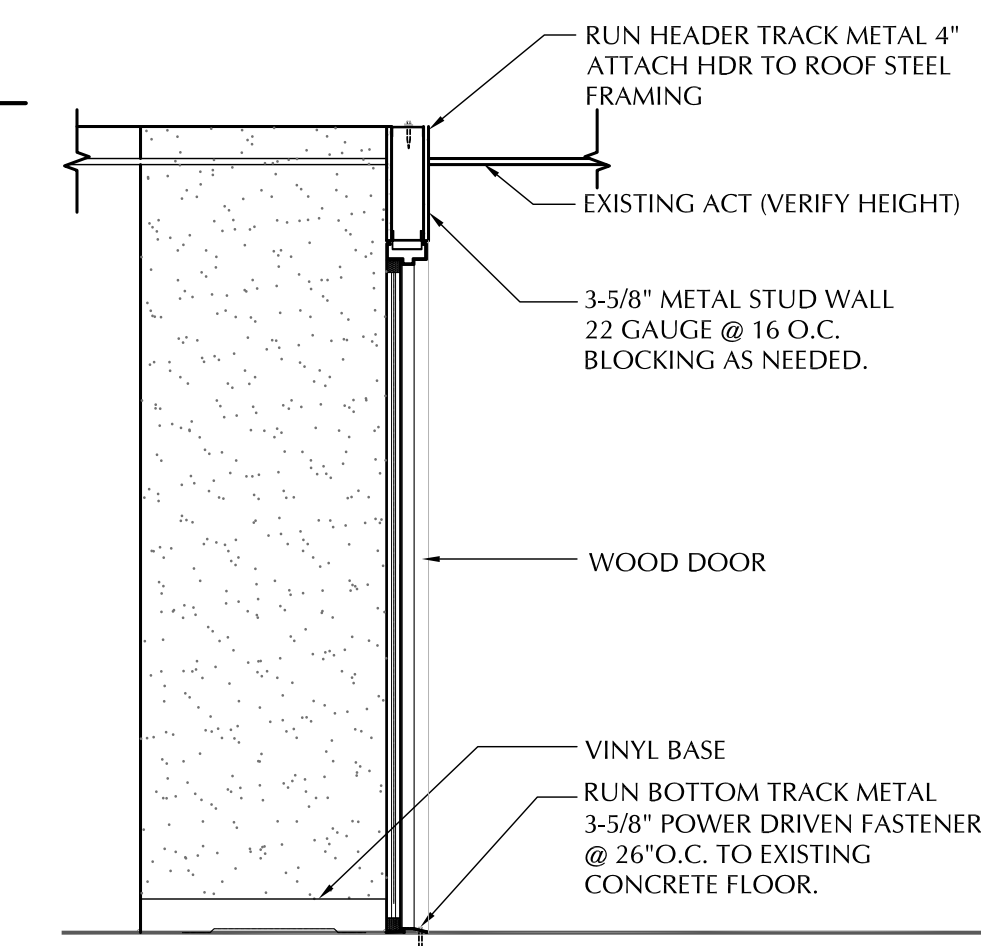
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CHAPTER 4: ACCESSIBLE ROUTES
MANEUVERING CLEARANCES AT MANUAL
SWINGING DOORS AND GATE



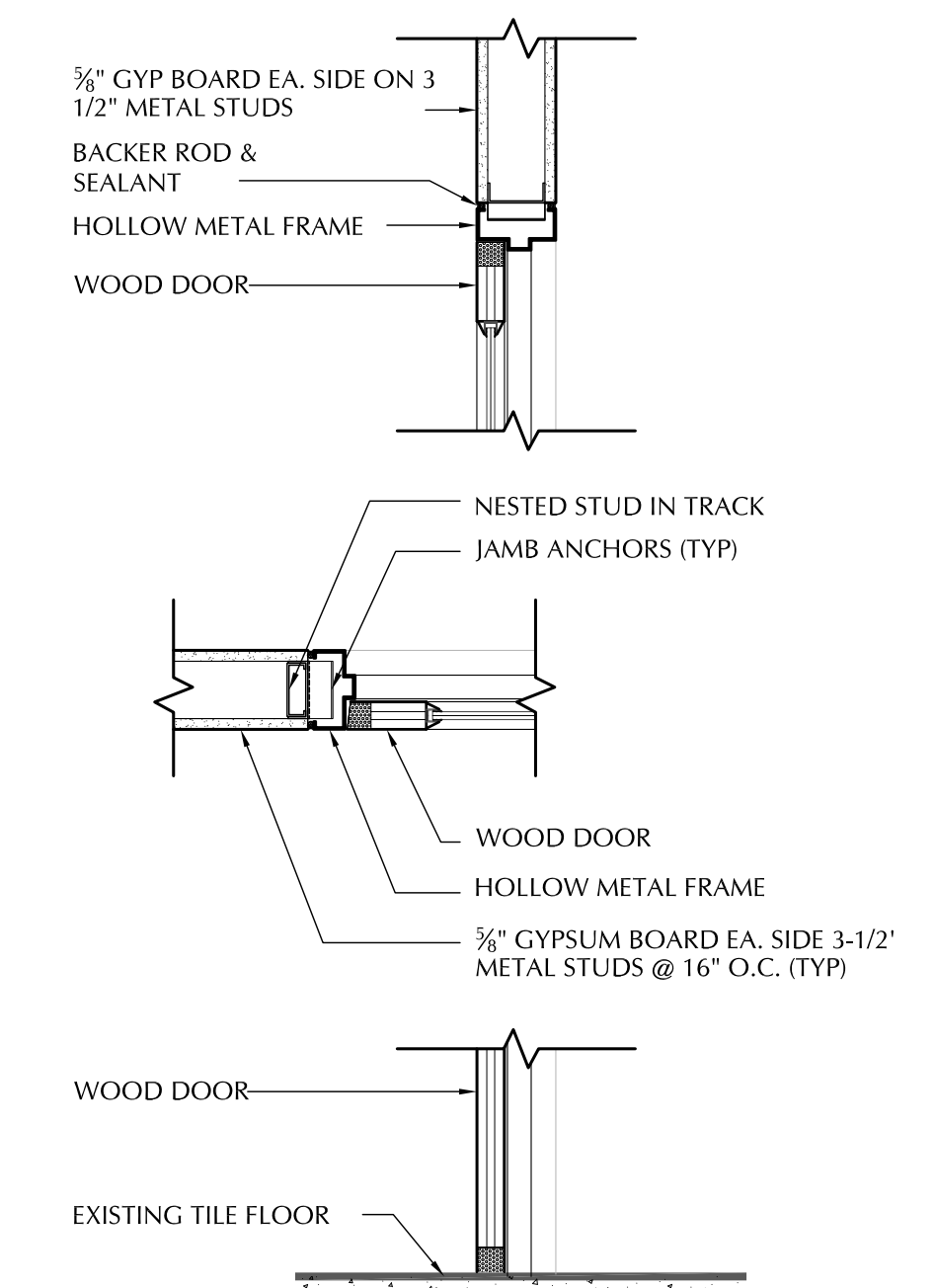
5 DOOR OPENING
A-107 SCALE: 1/2 = 1'-0"



6 FRONT ELEVATION
A-107 1/2" = 1'-0"



7 DOOR SECTION
A-107 1/2" = 1'-0"



8 WOOD DOOR DETAIL
A-107 1" = 1'-0"

DOOR SCHEDULE								
NO.	DOOR				FRAME MATERIAL	HARDWARE SET	REMARKS	
	TYPE	WIDTH	HEIGHT	THICK				
C101A	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	--	SOLID WOOD DOOR
C101B	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	--	SOLID WOOD DOOR

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

BORRELLI + PARTNERS
ARCHITECTURE PLANNING LANDSCAPE INTERIOR
720 VASSAR STREET
ORLANDO, FL 32804 (407) 416-1318
CONSULTANTS: THE CONSULTANTS OF THE DRAWING AREA SHALL BE TRANSFERRED TO ANY OTHER FUTURE PROJECT AS AGREED TO BY THE ARCHITECT. COPYRIGHT BORRELLI + PARTNERS, LLC 2017

CONSULTANTS
SIGNATURE AND DATED SEAL
JAMES L. MOORE
A02990

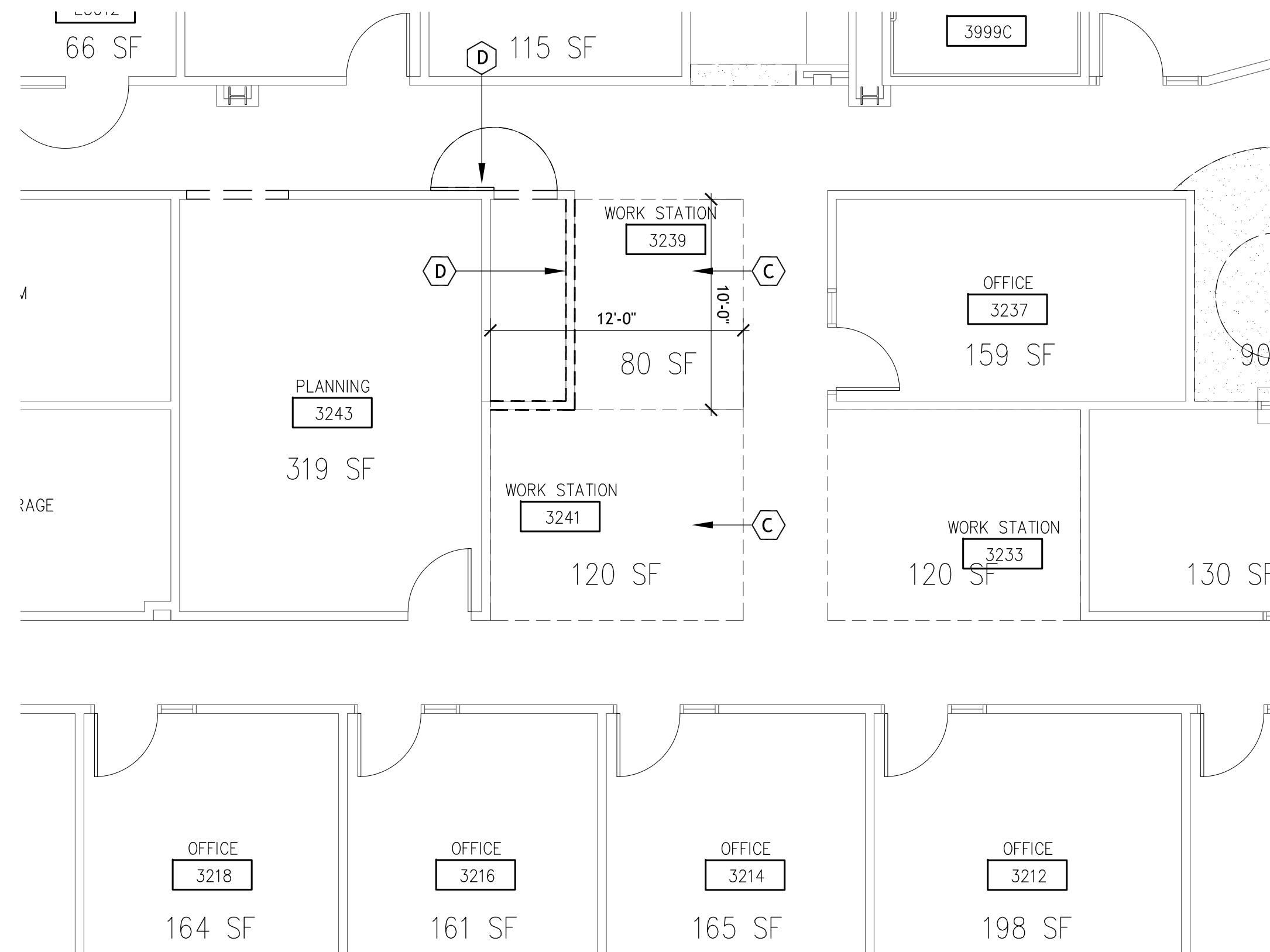
DRAWING TITLE
SECOND FLOOR PLAN DRAWINGS - AREA #6

PROJECT ADDRESS
OCU CENTRAL ADMINISTRATION BUILDING
9130 CURRY FORD ROAD
ORLANDO, FLORIDA 32825
OWNER NAME AND ADDRESS
ORANGE COUNTY UTILITIES
9130 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

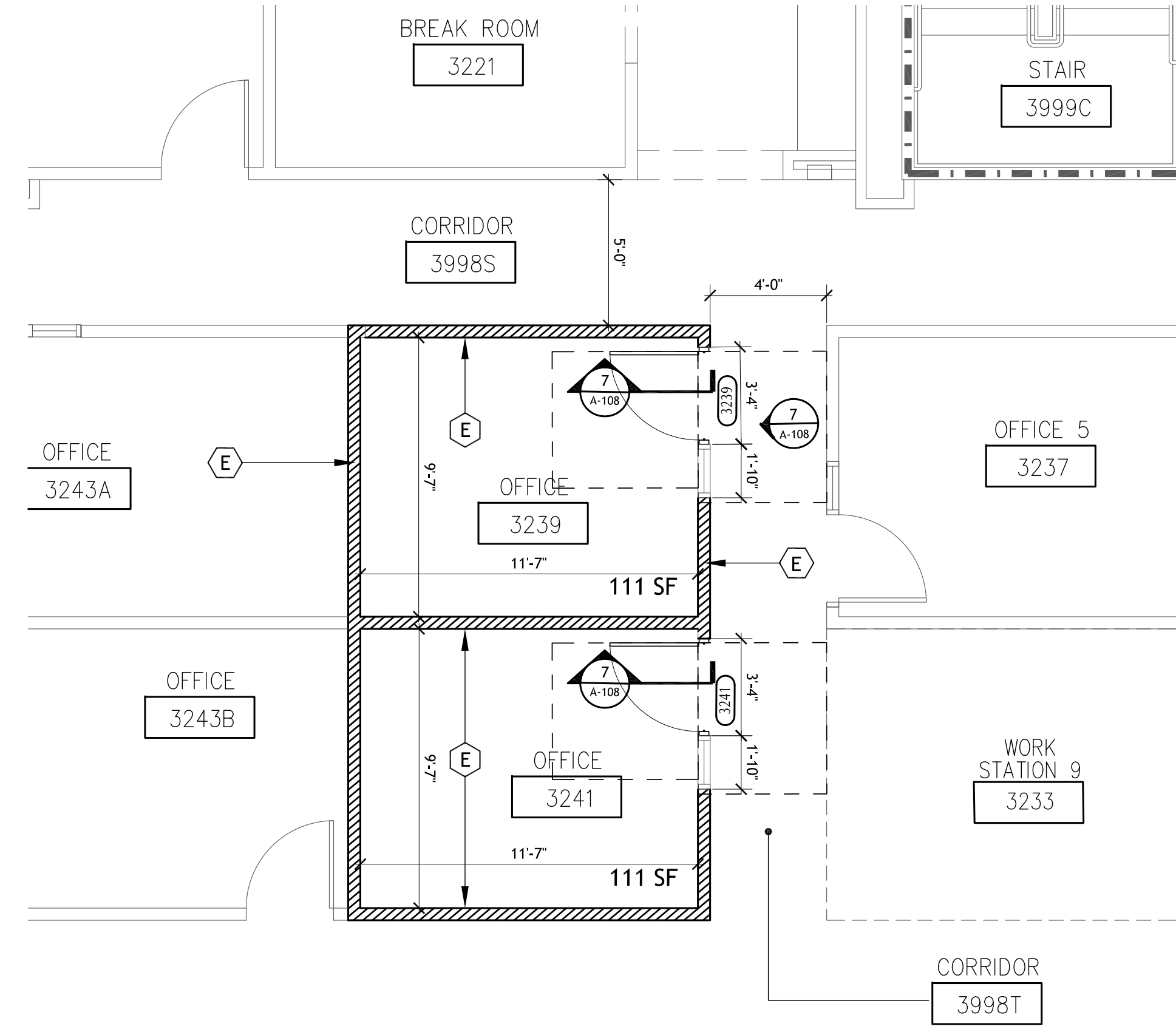
REV.	DESCRIPTION	DATE
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18-18	100% CONST. DOCS	AS NOTED
19-19	100% CONST. DOCS	AS NOTED
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21-21	100% CONST. DOCS	AS NOTED
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23-23	100% CONST. DOCS	AS NOTED
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30-30	100% CONST. DOCS	AS NOTED
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41-41	100% CONST. DOCS	AS NOTED
42-42	100% CONST. DOCS	AS NOTED
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50-50	100% CONST. DOCS	AS NOTED

PROJECT NO.
PHASE
SCALE
FILE NAME
DRAWN BY
CHECKED BY
DATE

A-107



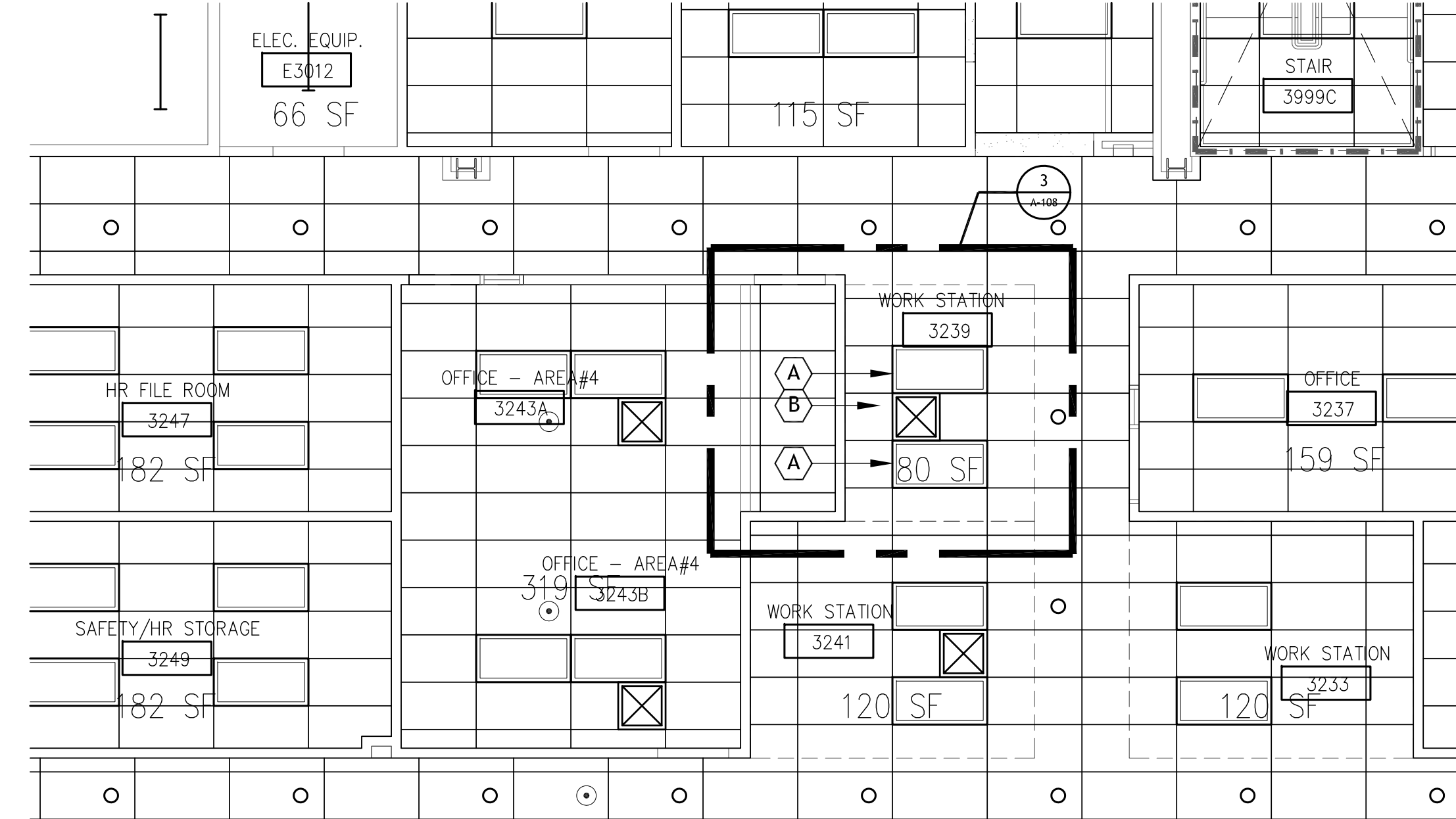
1 3RD FLOOR EXISTING DEMOLISHED PLAN - AREA #7
SCALE: 3/16" = 1'-0"
A-108



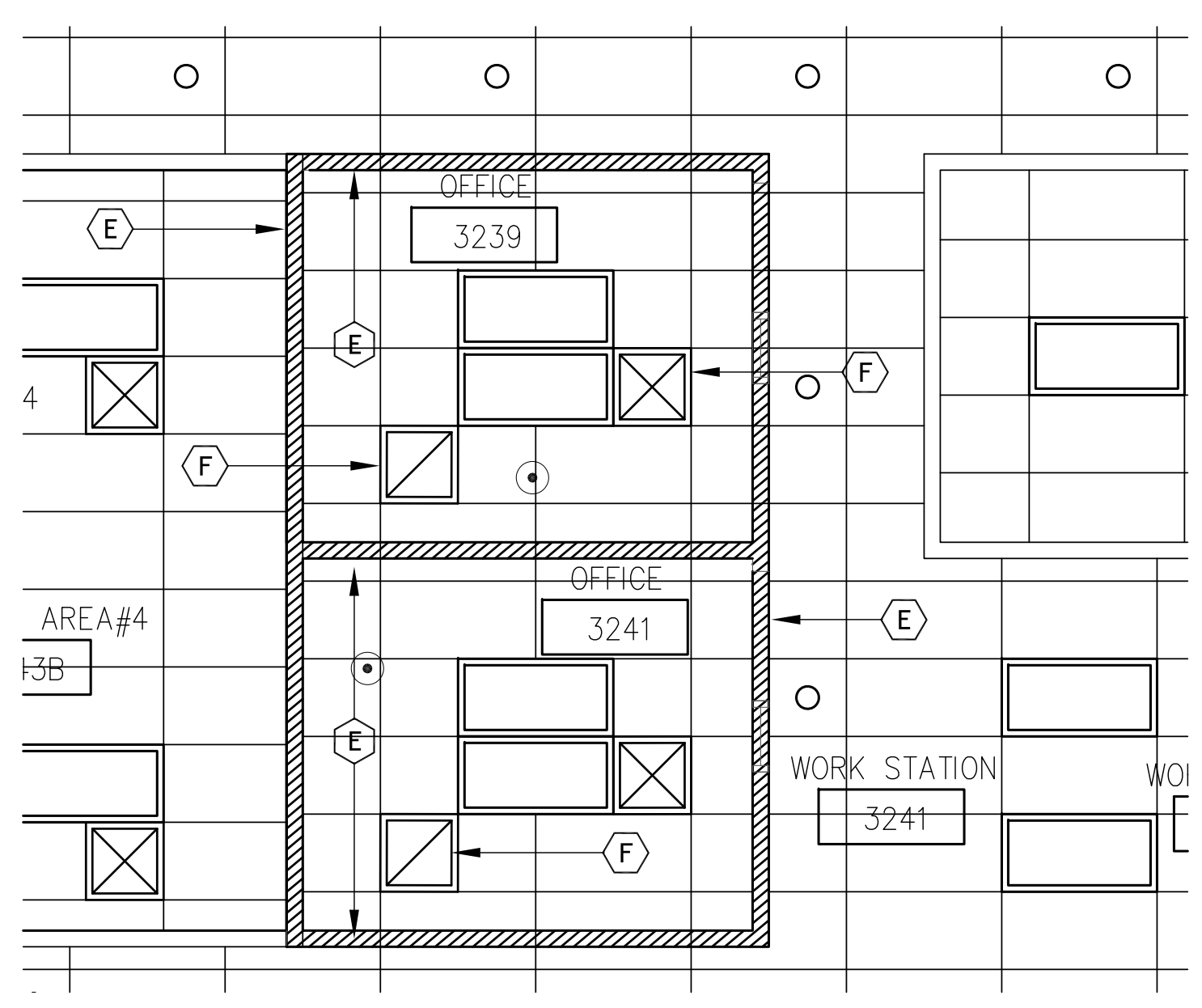
2 3RD FLOOR PROPOSED PLAN - AREA #7
SCALE: 1/4" = 1'-0"
A-108

- GENERAL HEX NOTES:**
- (A) RELOCATE EXISTING 2'x4' CEILING LIGHT
 - (B) RELOCATE EXISTING TILE AND CEILING GRID
 - (C) EXISTING CUBICLE TO BE REMOVED
 - (D) EXISTING CLOSET DOOR AND WALL TO BE DEMOLISHED
 - (E) METAL STUD PARTITION, INSTALL METAL STUD PARTITION AS INDICATED UP TO EXISTING CEILING GRID SYSTEM.
 - (F) NEW LOCATION SUPPLY AIR GRILLE SHOWN IN PLACE. FOR ADDITIONAL INFORMATION SEE MECHANICAL DRAWINGS.
- NOTE:
REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER INFORMATION.

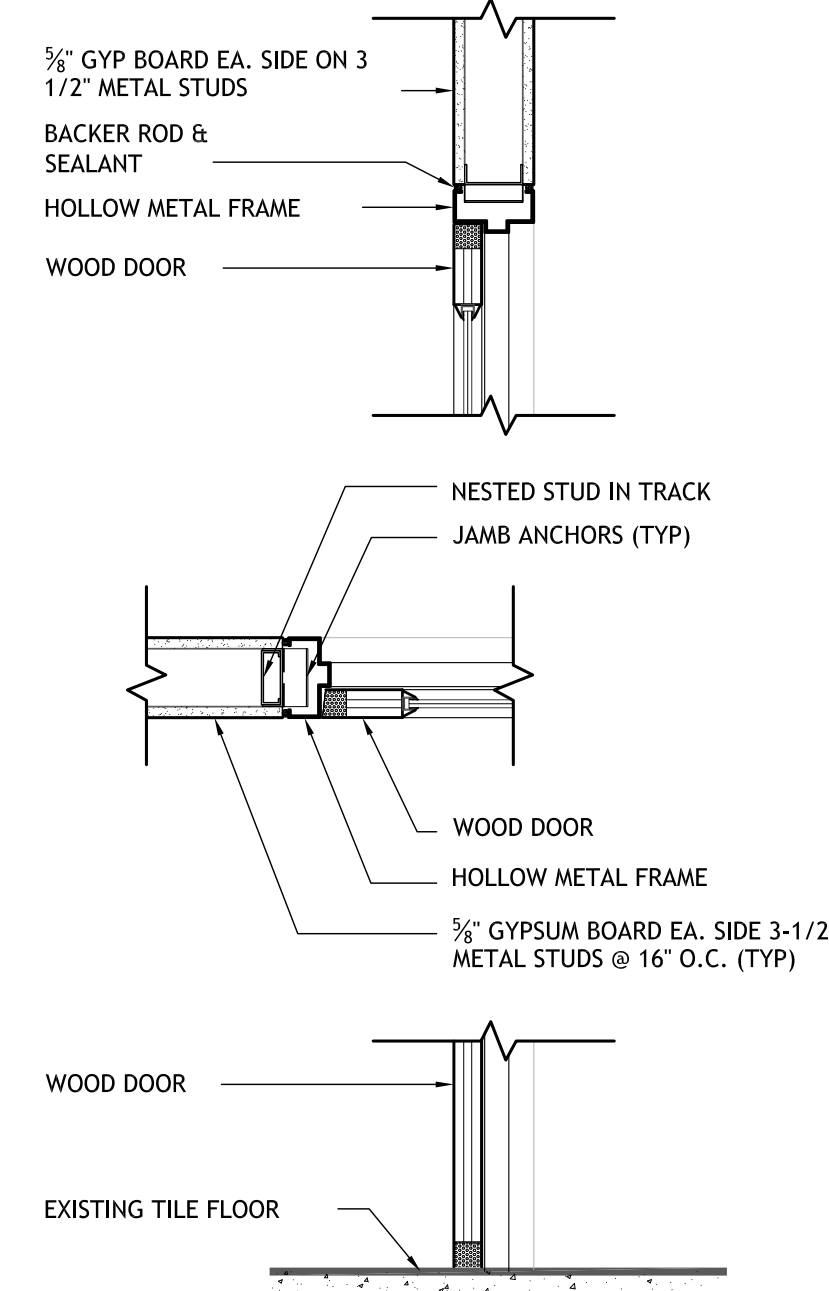
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CHAPTER 4: ACCESSIBLE ROUTES
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATE



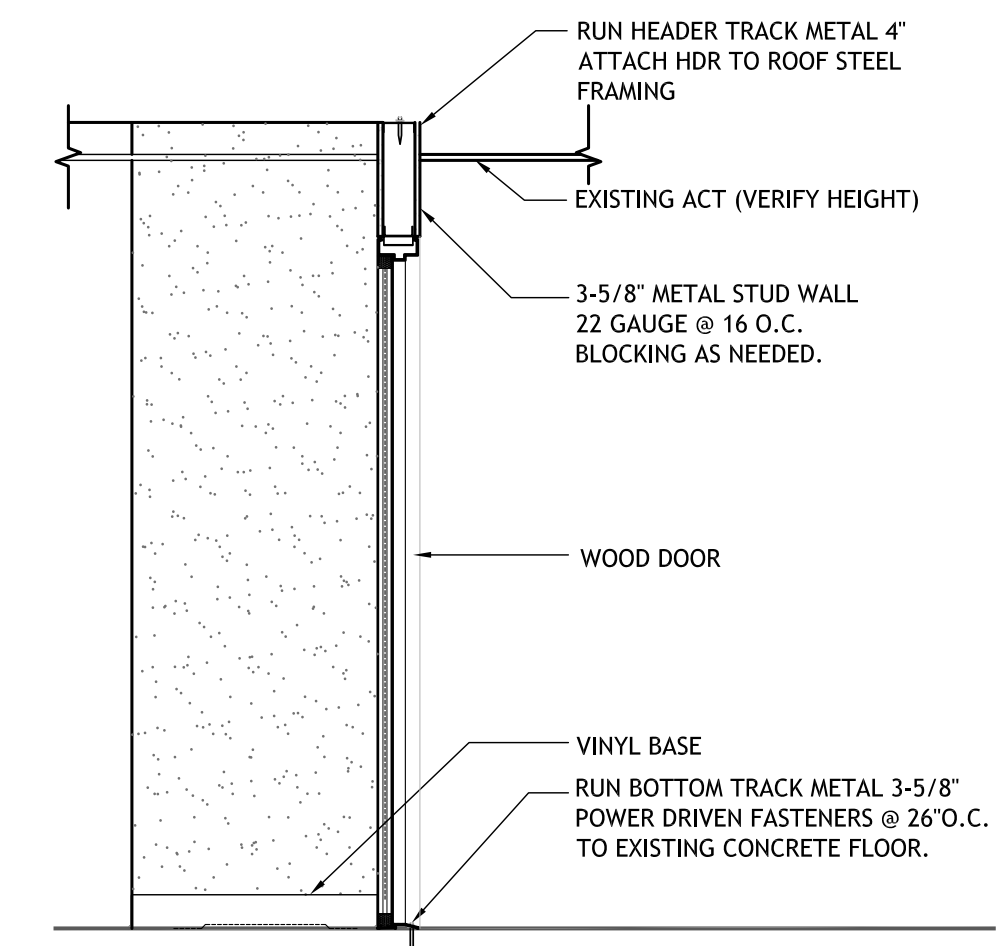
3 3RD FLOOR EXISTING CEILING PLAN - AREA #7
SCALE: 3/16" = 1'-0"
A-108



4 ENLARGED 3RD FLOOR PROPOSED CEILING PLAN - AREA #7
SCALE: 1/4" = 1'-0"
A-108

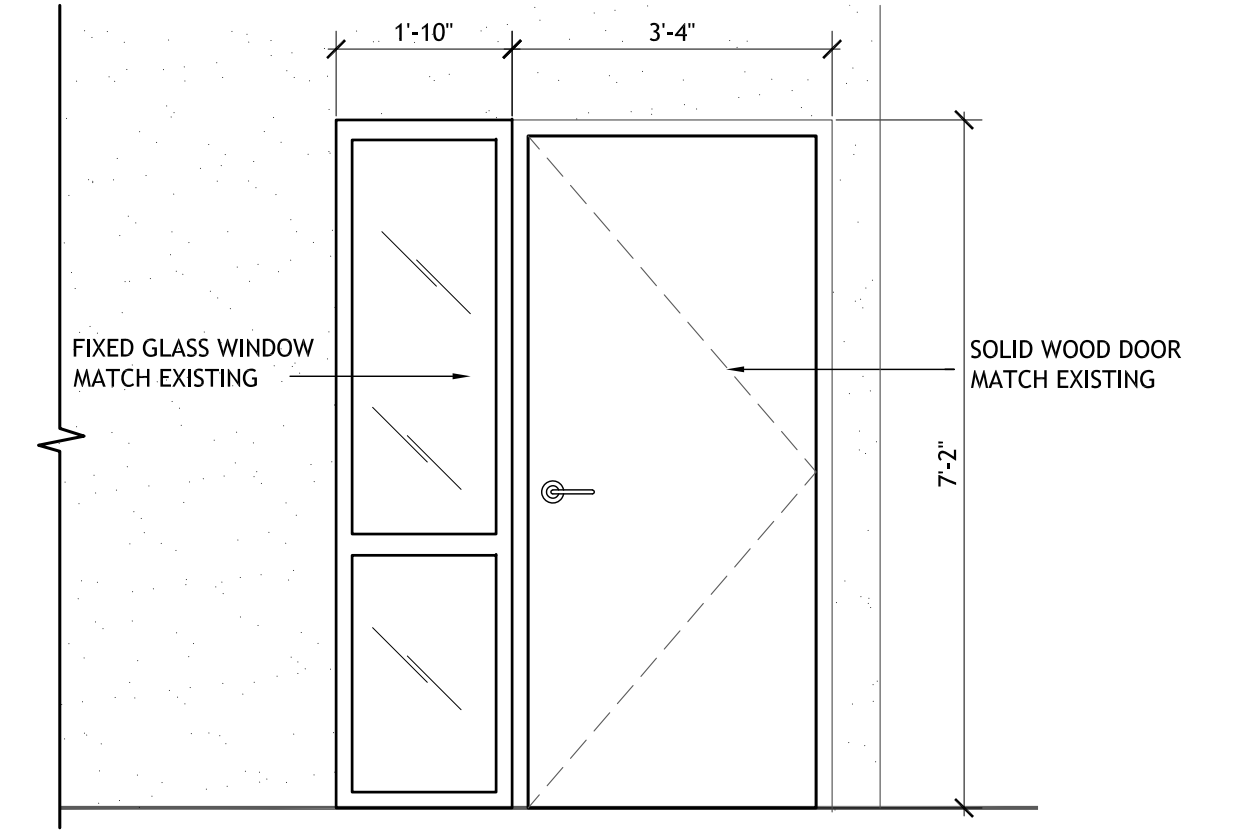


5 WOOD DOOR DETAIL
SCALE: 1" = 1'-0"
A-108



6 DOOR SECTION
SCALE: 1/2" = 1'-0"
A-108

DOOR SCHEDULE									
NO.	DOOR					FRAME MATERIAL	HARDWARE SET	REMARKS	
	TYPE	WIDTH	HEIGHT	THICK	MATERIAL				
3239A	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	--	SOLID WOOD DOOR	
3241A	F	3'-0"	7'-0"	1 3/4"	SOLID WOOD	H.M.	--	SOLID WOOD DOOR	



7 FRONT ELEVATION
SCALE: 1/2" = 1'-0"
A-108

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

PROJECT NO.		16-56	REV.	DESCRIPTION	DATE
PHASE	100% CONST. DOCS				
SCALE	AS NOTED				
FILE NAME	CAD FILE				
DRAWN BY	REP				
CHECKED BY	JLM				
DATE	12-18-17				

PROJECT ADDRESS: OCU CENTRAL ADMINISTRATION BUILDING
910 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

OWNER NAME AND ADDRESS:
ORANGE COUNTY UTILITIES
910 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

CONSULTANTS: SIGNATURE AND DATED SEAL

THIRD FLOOR PLAN DRAWINGS - AREA #7

BORRELLI + PARTNERS
ARCHITECTURE PLANNING LANDSCAPE INTERIOR
720 VASSAR STREET
ORLANDO, FL 32804 (407) 418-1338
REGISTERED PROFESSIONAL ARCHITECTS AND INTERIORS
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JAMES L. MOORE
A029590

A-108

HVAC SYMBOL LEGEND

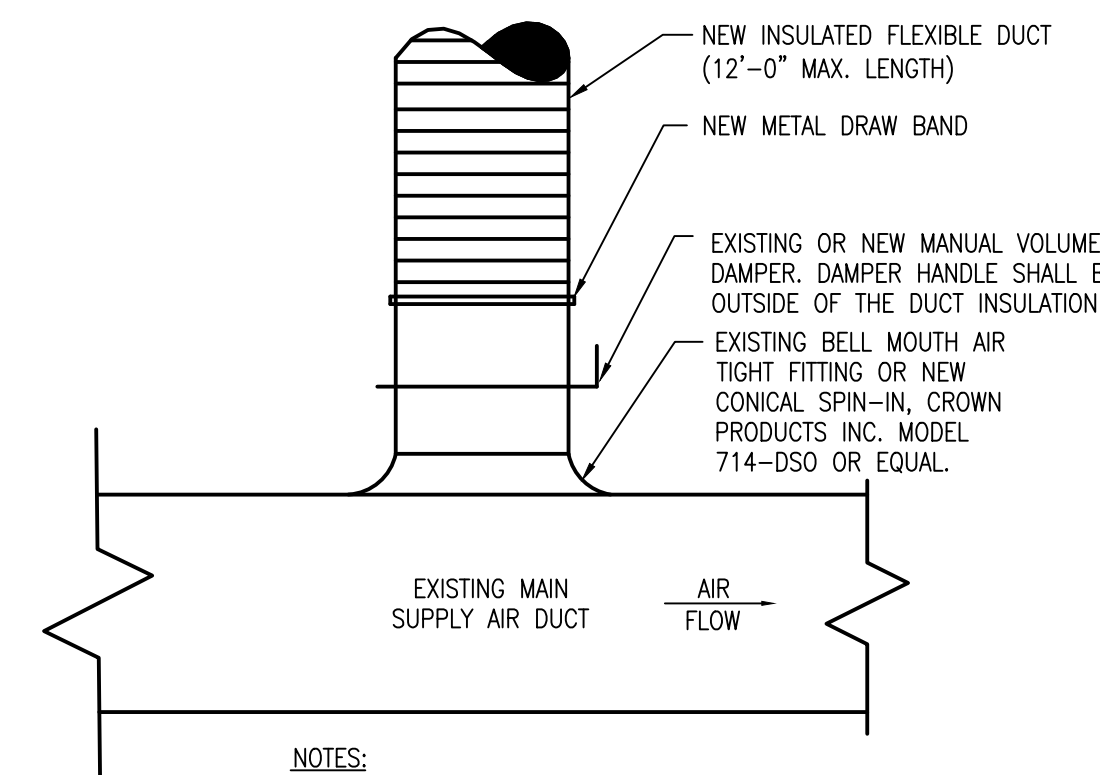
	DUCT—FIRST DIM. IS WIDTH DUCT—SECOND DIM. IS HEIGHT		DUCT TAKE-OFF W/ VOLUME DAMPER
	DUCT ELBOW DOWN		POINT OF CONNECTION NEW TO EXISTING WORK
	DUCT ELBOW UP		POINT OF EXTENT OF REMOVAL OF EXISTING HVAC
	DUCT RISE		THERMOMETER
	DUCT DOWN		PRESSURE GAUGE
	DUCT UNDER POSITIVE PRESSURE		UNION OR FLANGE
	DUCT UNDER NEGATIVE PRESSURE		BALL OR BUTTERFLY VALVE
	ELBOW W/TURNING VANES		CHECK VALVE
	TAKE-OFF W/EXTRACTOR		MODULATING CONTROL VALVE
	FLEXIBLE DUCT		TWO POSITION CONTROL VALVE
	FLEXIBLE CONNECTION		PLUG VALVE W/ MEMORY
	SUPPLY AIR TERMINAL ARROW INDICATES THROW		FLEXIBLE PIPE
	RETURN OR EXHAUST AIR		STRAINER
	LINEAR DIFFUSERS		MANUAL AIR VENT
	SIDE MOUNTED EHD		AUTOMATIC AIR VENT
	BOTTOM MOUNTED EHD		3/4" HOSE END DRAIN PIPE
	FIRE DAMPER		CHILLED WATER SUPPLY
	SMOKE DAMPER		CHILLED WATER SUPPLY
	SMOKE AND FIRE DAMPER		HOT WATER SUPPLY
	VOLUME DAMPER		HOT WATER RETURN
	REMOTE VOLUME DAMPER		REFRIGERANT HOT GAS
	MOTORIZED DAMPER		REFRIGERANT LIQUID
	BACKDRAFT DAMPER		REFRIGERANT SUCTION
	SMOKE DETECTOR (DUCT MOUNTED)		CONDENSATE DRAIN
	CEILING ACCESS DOOR		PIPE ELBOW DOWN
	DUCT ACCESS DOOR		PIPE ELBOW UP
	HUMIDITY SENSOR		PIPE ELBOW
	ROOM SENSOR		PIPE TEE DOWN
	THERMOSTAT		PIPE TEE UP
			ROUND

HVAC ABBREVIATIONS

AC	AIR CONDITIONING	HD	HUB DRAIN
AHU	AIR HANDLING UNIT	HOA	HAND/OFF/AUTOMATIC
AFF	ABOVE FINISHED FLOOR	HP	HORSEPOWER
BDD	BACKDRAFT DAMPER	HVAC	HEATING, VENTILATING & AIR CONDITIONING
BHP	BRAKE HORSEPOWER	H2O	WATER
BMS	BUILDING MANAGEMENT SYSTEM	INIT	INITIAL
BTU	BRITISH THERMAL UNIT	KSU	KITCHEN AIR SUPPLY UNIT
CF	CHEMICAL FEEDER	LAT	LVG. AIR TEMPERATURE
CFM	CUBIC FEET PER MINUTE	LD	LINEAR DIFFUSER
CLG	CEILING	LR	LINEAR RETURN
CYC	CYCLES	LVG	LEAVING
COND	CONDENSATE	LWT	LVG. WATER TEMPERATURE
CC	COOLING COIL	MAU	MAKE UP AIR UNIT (KITCHEN HOOD)
CD	CEILING DIFFUSER	MBH	MEGA BTU PER HOUR
CG	CEILING GRILLE	MD	MOTORIZED DAMPER
DIM	DIMENSION	NC	NOISE CRITERIA
DB	DRY BULB	NIC	NOT IN CONTRACT
°F	DEGREES FAHRENHEIT	OA	OUTSIDE AIR
DWG	DRAWING	OPER	OPERATING
EA	EXHAUST AIR	OV	OUTLET VELOCITY
EAT	ENTERING AIR TEMPERATURE	PCF	PUMP, CHEMICAL FEED
EG	EXHAUST AIR GRILLE	PCH	PUMP, CHILLED WATER
EHC	ELECTRIC HEATING COIL	PD	PRESSURE DROP
EHD	ELECTRIC HEATER, DUCT	PH	PHASE
EHU	ELECTRIC UNIT HEATER	RG	RETURN AIR GRILLE
EHW	ELECTRIC HEATER, WALL	ROT	ROTATION
ENT	ENTERING	RPM	REVOLUTION PER MINUTE
ER	EXHAUST AIR REGISTER	RVD	REMOTE VOLUME DAMPER
EWT	ENT. WATER TEMPERATURE	SA	SUPPLY AIR
F	FILTER	SENS	SENSIBLE
FCU	FAN COIL UNIT	SD	SPLITTER DAMPER
FE	EXHAUST FAN	SP	STATIC PRESSURE
EGF	EXHAUST FAN, GREASE	SR	SUPPLY AIR REGISTER
FF	FLY FAN	TG	TRANSFER AIR GRILLE
FPI	FINS PER INCH	TEMP	TEMPERATURE
FPM	FEET PER MINUTE	UD	UNDERCUT DOOR
FR	FAN, RETURN	VG	VENT, GRAVITY
SF	SUPPLY FAN	W	WATTS
GPM	GALLONS PER MINUTE	WB	WET BULB
		W/	WITH

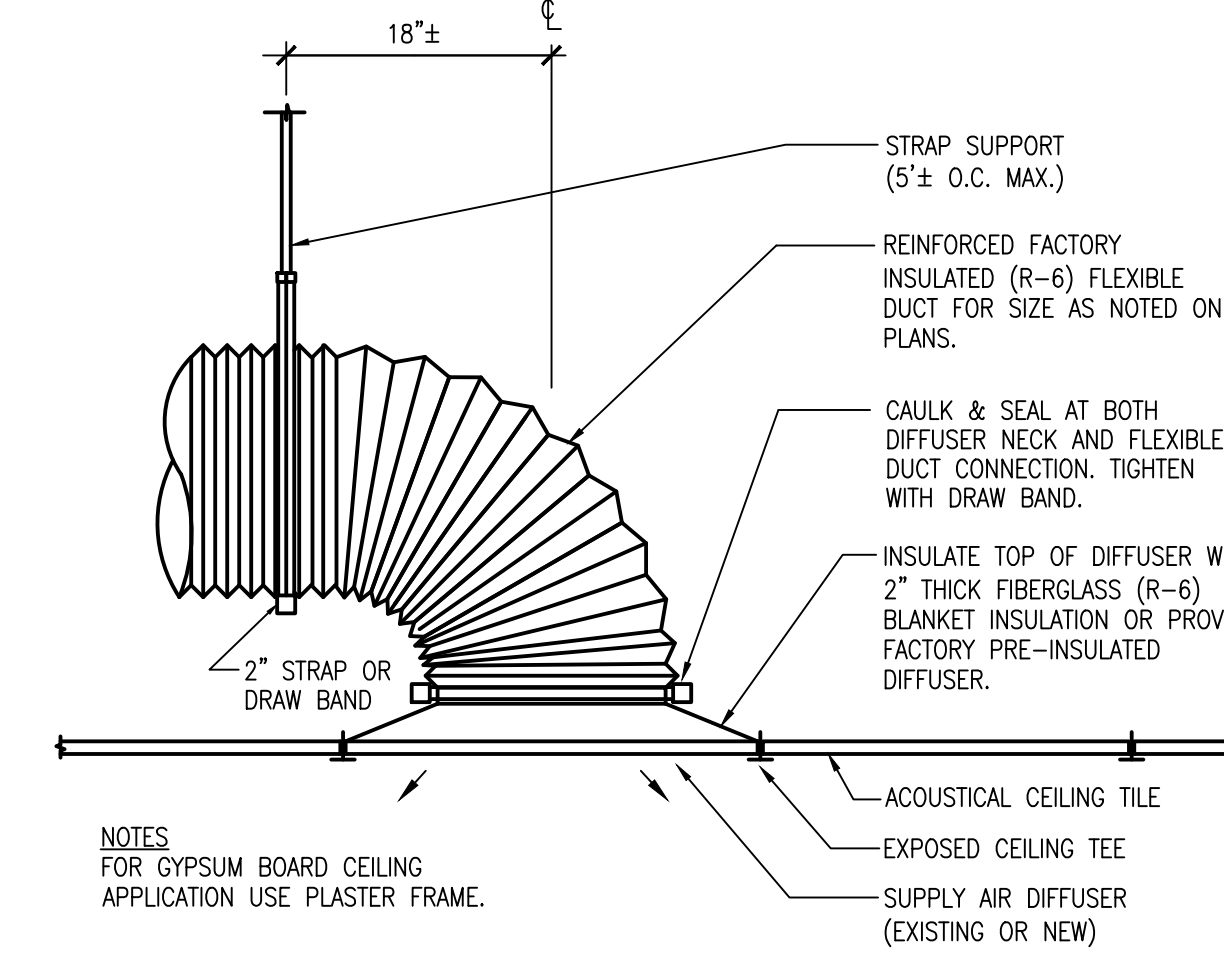
HVAC GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2014 FLORIDA BUILDING CODE (5TH EDITION), THE 2014 FLORIDA MECHANICAL CODE (5TH EDITION), THE 2014 FLORIDA ENERGY EFFICIENCY CODE (5TH EDITION) AND THE ORANGE COUNTY BUILDING DEPARTMENT REQUIREMENTS AND ALL OTHER APPLICABLE CODES AND STANDARDS.
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS IN THE FIELD FOR EQUIPMENT AND DUCTWORK.
- REFER TO ARCHITECTURAL DRAWINGS FOR CLEARANCES WITHIN THE CEILING SPACE, MECHANICAL ROOMS, LOCATIONS AND SIZES OF BEAMS AND CEILING AND SOFFIT HEIGHTS.
- DUCTWORK AND EQUIPMENT LOCATIONS AND CLEARANCES SHALL BE COORDINATED WITH GENERAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL CONTRACTORS. REFER TO ARCHITECTURAL PLANS FOR BUILDING SECTIONS AND DETAILS.
- COORDINATE DIFFUSER, REGISTER AND GRILLE LOCATION WITH LIGHTING, SPRINKLER AND ARCHITECTURAL CEILING PLANS. ALSO COORDINATE THE TYPE OF DIFFUSER FRAME WITH THE CEILING TYPE.
- ALL DUCT DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS.
- FLEXIBLE DUCTWORK SHALL BE INSULATED VINYL TYPE (R-6) WITH WIRE SPIRAL SUPPORT. FLEXIBLE DUCTWORK SHALL BE RUN IN MAXIMUM LENGTHS OF 12'-0". FLEXIBLE DUCTWORK SHALL BE PROPERLY SUPPORTED WITH GALVANIZED STEEL STRAPS 2" WIDE AND SHALL BE RUN AS STRAIGHT AS POSSIBLE WITH NO KINKS OR BENDS TO RESTRICT AIRFLOW.
- ALL FLEXIBLE BRANCH DUCTS SERVING INDIVIDUAL REGISTERS, GRILLES AND DIFFUSERS SHALL HAVE BALANCING DAMPERS AT THE CONNECTION TO THE MAIN TRUNK DUCT.
- ALL DUCTWORK SHALL BE EXTERNALLY INSULATED WITH 2 1/2" THICK (R-6) FIBERGLASS BLANKET INSULATION WITH FOIL JACKETING UNLESS OTHERWISE NOTED. INSULATION R VALUE IS WITH 25% COMPRESSION IN ACCORDANCE WITH FBCM 604.7 IDENTIFICATION.
- ALL DUCT JOINTS SHALL BE SEALED WITH APPROVED MASTIC.
- ALL FIBROUS GLASS INSULATION JOINTS, SEAMS AND CONNECTIONS SHALL BE CONSTRUCTED WITH PRESSURE SENSITIVE TAPE, FAB, STAINLESS STEEL STAPLES AND THEN SEALED WITH MASTIC. HEAT AND PRESSURE SENSITIVE TAPE ARE NOT ACCEPTABLE AS A FINAL CLOSURE.
- PROVIDE HANGER STRAPS FOR ALL DUCTS MADE OF 1" WIDE, 22 GAGE GALVANIZED STEEL-SPACED ACCORDING TO SMACNA STANDARDS AND ALL OTHER APPLICABLE GOVERNING CODES AND STANDARDS.
- ALL DUCT BRANCH TAKE OFFS FROM MAIN DUCT FOR INDIVIDUAL AIR OUTLETS, INLETS AND BOXES SHALL HAVE BALANCING DAMPERS.
- ALL DUCTWORK STORED ON SITE OR ALREADY INSTALLED SHALL HAVE ALL OPEN ENDS SEALED WITH VISQUINE TO PREVENT DUST AND DEBRIS FROM ACCUMULATING INSIDE OF THE DUCTWORK. INTERIORS OF ALL DUCTWORK SHALL BE THOROUGHLY CLEANED PRIOR TO INSTALLATION.
- ALL DAMPERS AND EXTRACTORS SHALL HAVE LOCKING QUADRANTS AND SHALL BE ACCESSIBLE.
- BEVELED TAKE OFFS AND DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCTWORK LEADING FROM MAIN TRUNK LINES.
- ALL CONTROL WIRING, CONDUIT AND HARDWARE TO COMPLETE THE HVAC CONTROL SYSTEM SHALL BE FURNISHED AND INSTALLED UNDER DIVISION 15 - MECHANICAL.
- ALL CONTROL WIRING AND INTERLOCK WIRING LOCATED IN MECHANICAL ROOMS AND IN NON ACCESSIBLE CEILING SHALL BE IN CONDUIT.
- THERMOSTAT LOCATIONS ARE TENTATIVE. FINAL THERMOSTAT LOCATIONS SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION. THERMOSTATS SHALL BE LOCATED 48"-54" ABOVE THE FINISHED FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS AND THE 2010 FLORIDA ACCESSIBILITY CODE.
- AIR FILTERS SHALL BE 1" OR 2" PLEATED, MERV 8, 30% EFFICIENT (MIN.) OR EQUAL IN NEW OR EXISTING FILTERED CEILING RETURN AIR GRILLES. FILTERS SHALL BE INSTALLED PRIOR TO UNIT START UP, REPLACED A MINIMUM OF ONCE PER MONTH DURING THE CONSTRUCTION PERIOD, REPLACED PRIOR TO TEST AND BALANCE, AND REPLACED MONTHLY UNTIL FINAL COMPLETION.
- THE AIRFLOW OF ALL HVAC SYSTEMS (AIR CONDITIONING AND VENTILATION SYSTEMS) SHALL BE BALANCED BASED ON THE ACTUAL INSTALLED STATIC PRESSURE OF THE SYSTEM. CONTRACTOR SHALL PROVIDE POSITIVE MEANS FOR BALANCING EACH INDIVIDUAL AIR OUTLET AND INLET.
- THE CONTRACTOR SHALL HIRE AN INDEPENDENT TEST AND BALANCE FIRM TO TEST AND BALANCE ALL AIR CONDITIONING SYSTEMS-SEE SPECIFICATIONS. THE TEST & BALANCE CONTRACTOR SHALL BE CERTIFIED BY ABAA OR NEBB.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE TEST AND BALANCE FIRM. PRIOR TO TEST AND BALANCE, THE CONTRACTOR SHALL START-UP, PRE-BALANCE THE SYSTEM, AND REPLACE ALL AIR FILTERS FOR EVERY AHU BEING TESTED. ALL DISCREPANCIES, DRIVE CHANGES, ETC. REPORTED BY ENGINEER OR THE TEST AND BALANCE FIRM SHALL BE CORRECTED BY THE CONTRACTOR WITHIN FIVE CALENDAR DAYS AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE THAT SHALL WARRANT ALL WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR. DURING THE FIRST YEAR ALL SYSTEM MALFUNCTIONS SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER. THE COMPRESSORS SHALL HAVE A 5 YEAR WARRANTY (LABOR & MATERIALS).
- THE CONTRACTOR SHALL PREPARE REDLINED AS-BUILT DRAWINGS OF THE HVAC SYSTEMS AT THE COMPLETION OF THE PROJECT CONSTRUCTION AND SHALL INCLUDE THOSE AS-BUILT DRAWINGS AT PROJECT CLOSEOUT ALONG WITH THE O&M MANUAL.
- PRIOR TO ORDERING ANY HVAC EQUIPMENT, DUCTWORK, DIFFUSERS, GRILLES, PIPING ETC. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL FROM THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE A COMPLETE HVAC SHOP DRAWING SUBMITTAL TO THE ENGINEER FOR REVIEW AND APPROVAL. THE HVAC SUBMITTAL SHALL INCLUDE ALL AIR CONDITIONING EQUIPMENT, FANS, HEATERS, PUMP, PIPING DUCTWORK, INSULATION, DIFFUSERS, REGISTERS & GRILLES, CONTROLS, DAMPERS, HANGERS ETC. CONTRACTOR SHALL NOT ORDER ANY HVAC EQUIPMENT UNTIL THIS SUBMITTAL IS REVIEWED AND ACCEPTED BY THE ENGINEER OF RECORD. CONTRACTOR SHALL SUBMIT THE SHOP DRAWING AS ONE COMPLETE SUBMITTAL AND SHALL NOT PIECE MEAL THE SUBMITTAL SPREAD OUT OVER THE COURSE OF DAYS AND WEEKS. FAILURE TO SUBMIT A COMPLETE HVAC SHOP DRAWING SUBMITTAL SHALL RESULT IN AN IMMEDIATE REJECTION OF THE SHOP DRAWING SUBMITTAL.



- NOTES:**
- ALL EXISTING OR NEW DIFFUSERS SHALL HAVE THIS CONNECTION.
 - ANY OTHER TYPE OF CONNECTION WILL BE REJECTED.
 - INSULATE ALL EXISTING OR NEW METAL DUCT UP TO THE FLEXIBLE DUCT AND OVERLAP INSULATION TAPING IT WITH METAL TAPE.

TYPICAL DIFFUSER/GRILLE CONNECTION DETAIL
NOT TO SCALE



- NOTES:**
- FOR GYPSUM BOARD CEILING APPLICATION USE PLASTER FRAME.

SUPPLY AIR DIFFUSER CONNECTION DETAIL
NOT TO SCALE

HVAC SCOPE OF WORK

- RELOCATE AND ADD CEILING DIFFUSERS, RETURN AIR GRILLES, AND FLEXIBLE DUCTWORK AS NECESSARY TO ACCOMMODATE FLOOR PLAN CHANGES CREATING NEW ENCLOSED OFFICES OUT OF EXISTING OPEN OFFICE AREAS.

AIR GRILLE + REGISTER SCHEDULE

UNIT NUMBER	SERVICE	MOUNT	C.F.M. RANGE	SIZE L"xH"	N.C. MAX	FRAME	MAX. P.D. IN. W.G.	PATTERN	DAMPER	GRID	CONSTRUCTION	FINISH	MANUFACTURER/MODEL	NOTES
CG-1	RETURN	CLG	0-100	24x24	24	LAY-IN	0.054	EGG CRATE	NO	1/2"	ALUMINUM	WHITE	TITUS SOFF/PRICE 80F	1,2

- ALL GRILLES, REGISTERS AND DIFFUSERS SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND A MAXIMUM SMOKE DEVELOPED RATING OF 50 IN COMPLIANCE WITH SECTIONS 603.15 AND 603.15.1 OF THE 2010 FLORIDA BUILDING CODE.
- PROVIDE 3M FILTRETE OR EQUAL PLEATED FILTER, 1" THICK, MERV 8, FOR RETURN AIR GRILLES.

DIFFUSER SCHEDULE

UNIT NUMBER	SERVICE	MOUNT	NECK SIZE	C.F.M. RANGE	N.C. MAX	MAX. P.D. IN. W.G.	PATTERN	DAMPER	FINISH	SURFACE PANEL	CONSTRUCTION	MANUFACTURER/MODEL	NOTES
CD-1	LAY-IN	CLG	SEE DWG	SEE DWG	21	0.063	4-WAY	NO	WHITE	24x24	ALUMINUM	TITUS OMNI NT	1,2

- ALL GRILLES, REGISTERS AND DIFFUSERS SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND A MAXIMUM SMOKE DEVELOPED RATING OF 50 IN COMPLIANCE WITH SECTIONS 603.15 AND 603.15.1 OF THE FLORIDA BUILDING CODE.
- PROVIDE FACTORY INSTALLED R-6 INSULATION ON BACK OF DIFFUSER.

INTERIOR MODIFICATIONS AT THE OC ADMINISTRATION BUILDING

PROJECT ADDRESS
OCU CENTRAL ADMINISTRATION BUILDING
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

PROJECT NO. 16-166

100% CONST. DOCS

SCALE 1/4"=0'

FILE NAME CAD FILE

DRAWN BY MB

CHECKED BY ABJ

DATE 12/18/17

DRAWING TITLE

LEGEND & NOTES - HVAC

DRAWING NO. 16-166

DATE 12/18/17

PROJECT ADDRESS
OCU CENTRAL ADMINISTRATION BUILDING
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

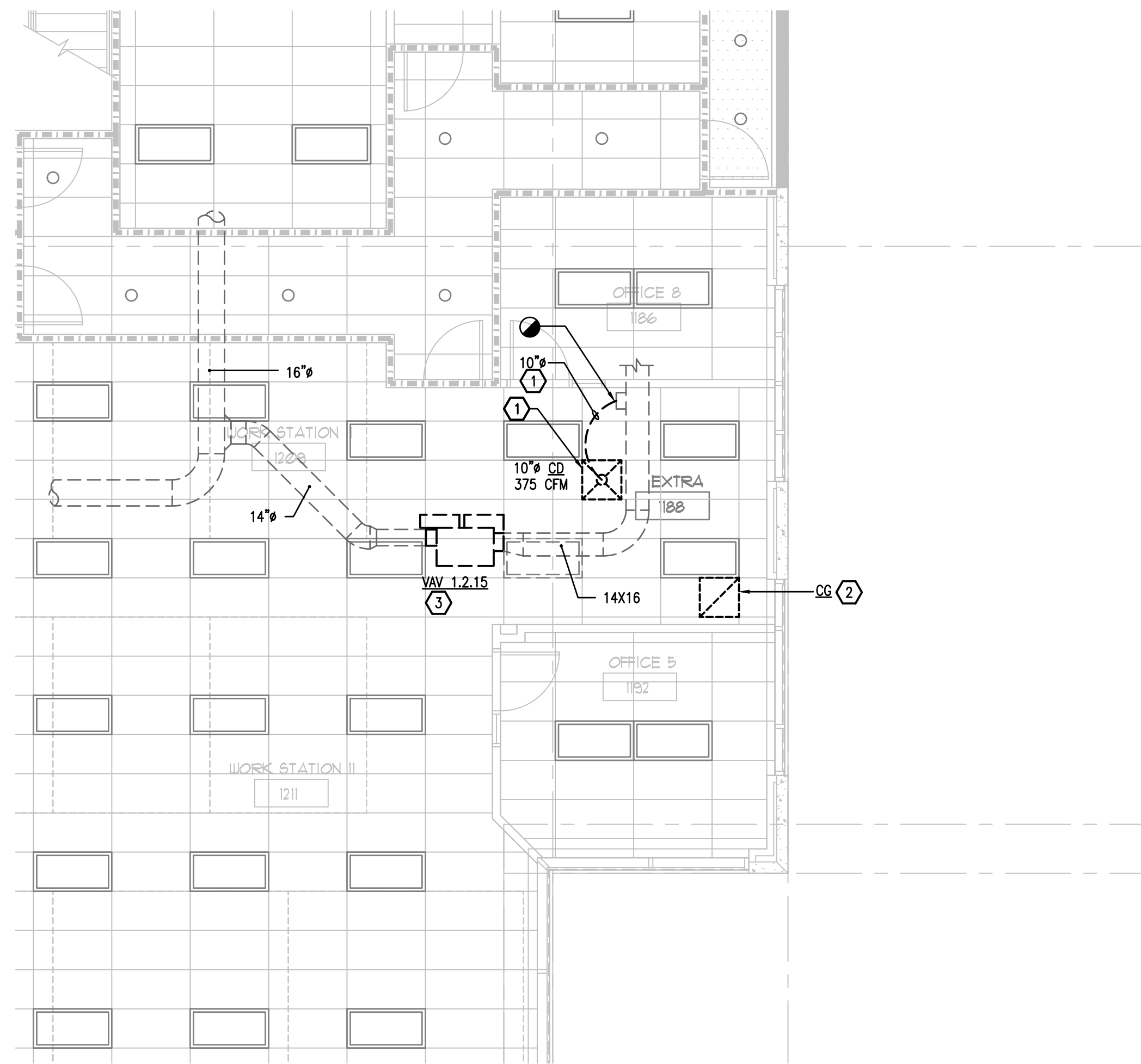
OWNER NAME AND ADDRESS
ORANGE COUNTY UTILITIES
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

CONSULTANTS

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M-001



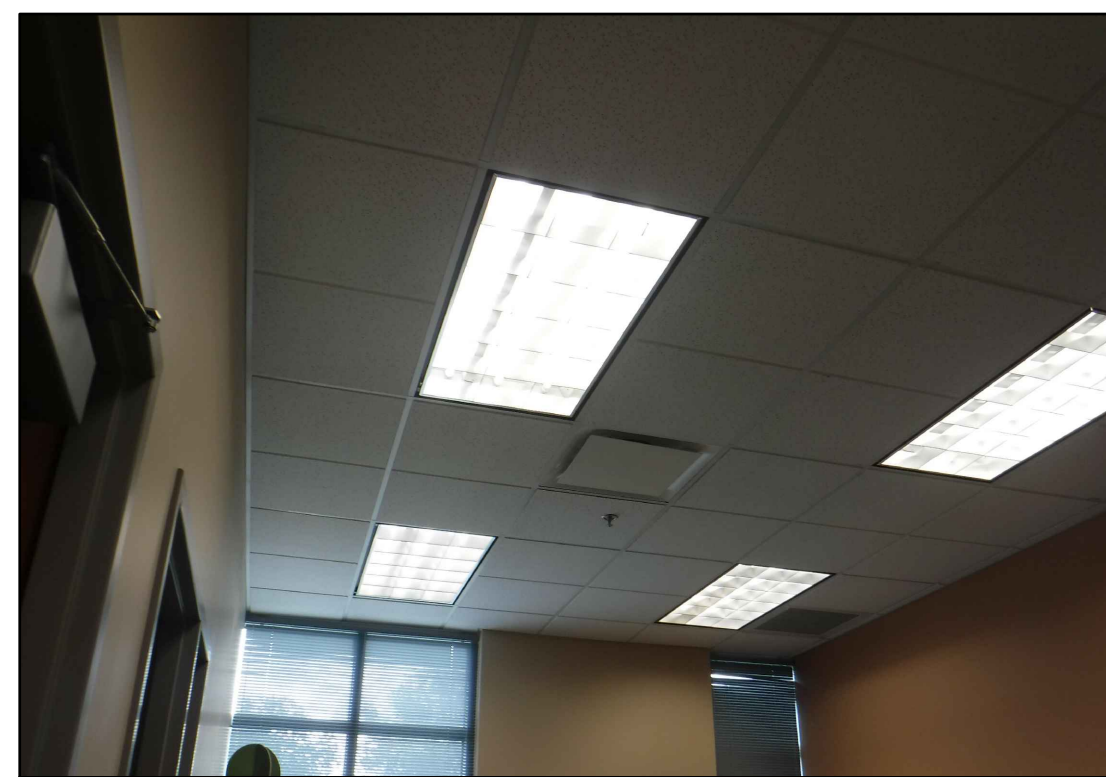
1 1ST FLOOR EXISTING DEMO PLAN - AREA#1 - HVAC
M-101 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - DEMOLITION

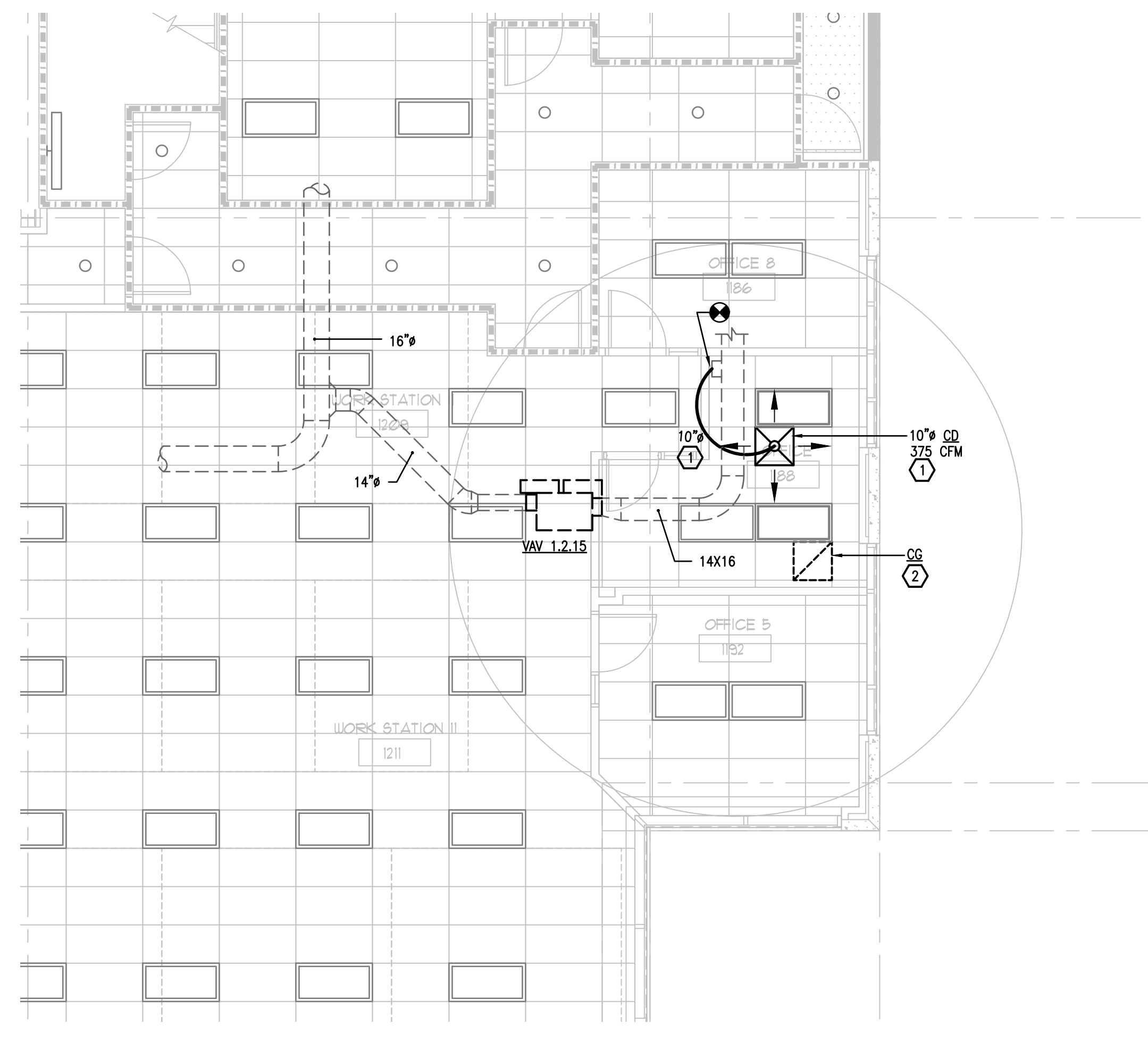
- ① REMOVE EXISTING CEILING SUPPLY AIR DIFFUSER AND SAVE FOR REUSE. DISCONNECT AND REMOVE EXISTING FLEXIBLE DUCTWORK BACK TO DUCT TAKE-OFF. PROVIDE TEMPORARY CAP OVER REMAINING END OF DUCT TAKE-OFF.
- ② EXISTING CEILING FILTER RETURN AIR GRILLE TO REMAIN.
- ③ EXISTING VAV BOX TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
- 2. CONTRACTOR TO PROTECT EXISTING HVAC EQUIPMENT AND DUCTWORK ABOVE THE CEILING THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY HVAC EQUIPMENT OR DUCTWORK DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.



EXISTING HVAC IN AREA #1 TO BE MODIFIED



2 1ST FLOOR RENOVATION PLAN - AREA#1 - HVAC
M-101 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - RENOVATION

- ① RE-INSTALL RELOCATED EXISTING SUPPLY AIR DIFFUSERS IN LAY-IN CEILING. PROVIDE NEW FLEXIBLE DUCT CONNECTION FROM EXISTING DUCT TAKE-OFF TO INLET OF RELOCATED CEILING SUPPLY AIR DIFFUSER AS NECESSARY.
- ② PROVIDE NEW FILTER IN EXISTING CEILING RETURN AIR GRILLE (CG).

GENERAL NOTES

- 1. CONTRACTOR TO REPLACE ANY DUCTWORK INSULATION REMOVED OR DAMAGED ON THE EXISTING DUCTWORK DURING THE PERFORMANCE OF THEIR WORK. NEW DUCTWORK INSULATION SHALL MATCH EXISTING.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

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FLORIDA STATE P.E. NUMBER: 2131

ALBERTO E. BOBES JR., P.E.
FLORIDA STATE P.E. # 39410

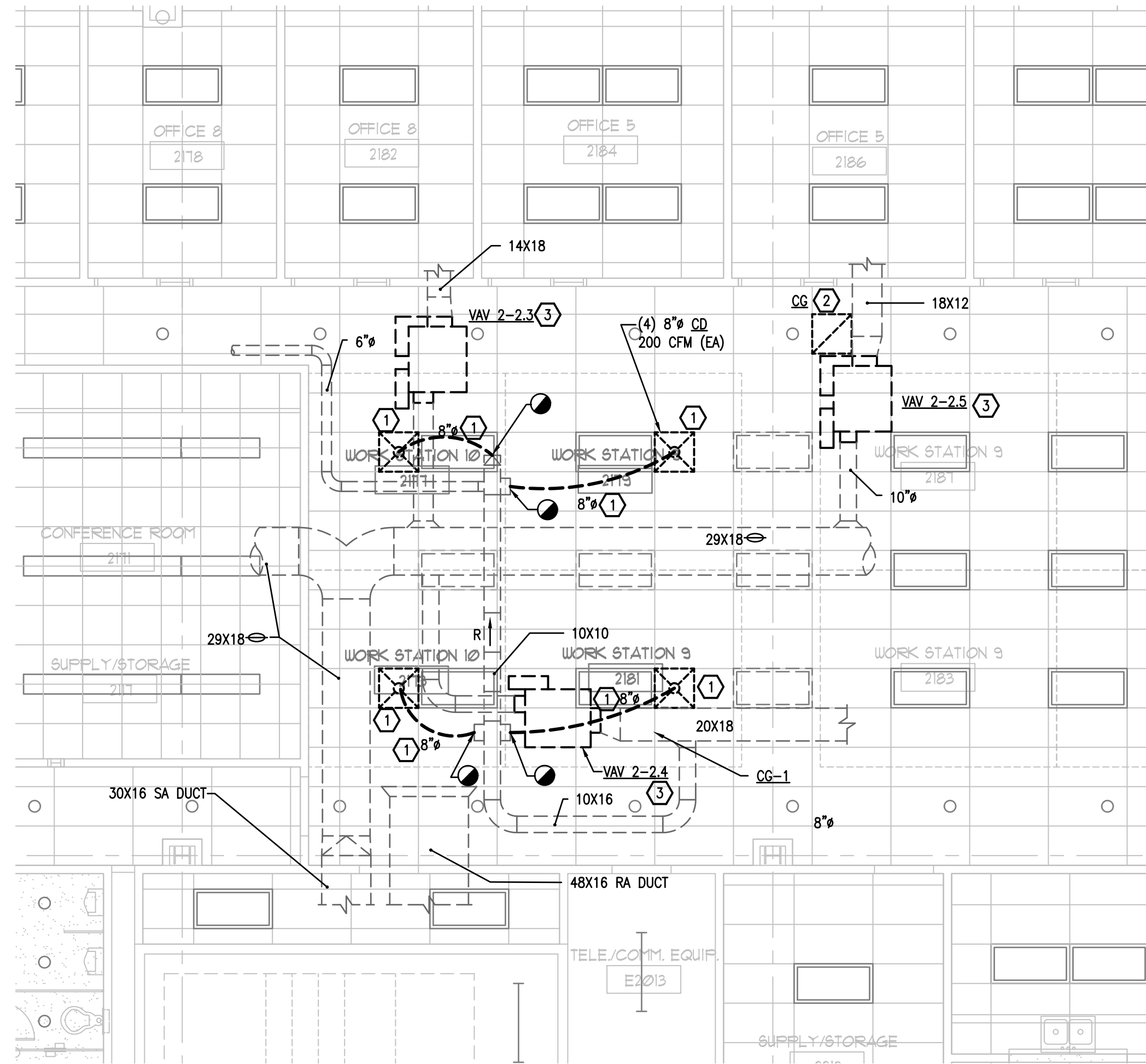
CONSULTANTS: **BOBES ASSOCIATES**

DRAWING TITLE: **First Floor Plans - Area#1 - HVAC**

PROJECT NO.	16-166	PROJECT ADDRESS	OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
PHASE	100% CONST. DOCS	OWNER NAME AND ADDRESS	ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
SCALE	1'-0"		
FILE NAME	CD FILE		
DRAWN BY	MB		
CHECKED BY	ABJ		
DATE	12-18-17		

REV.	DESCRIPTION	DATE

M-101



1 2ND FLOOR EXISTING DEMO PLAN - AREA#2 - HVAC
M-102 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - DEMOLITION

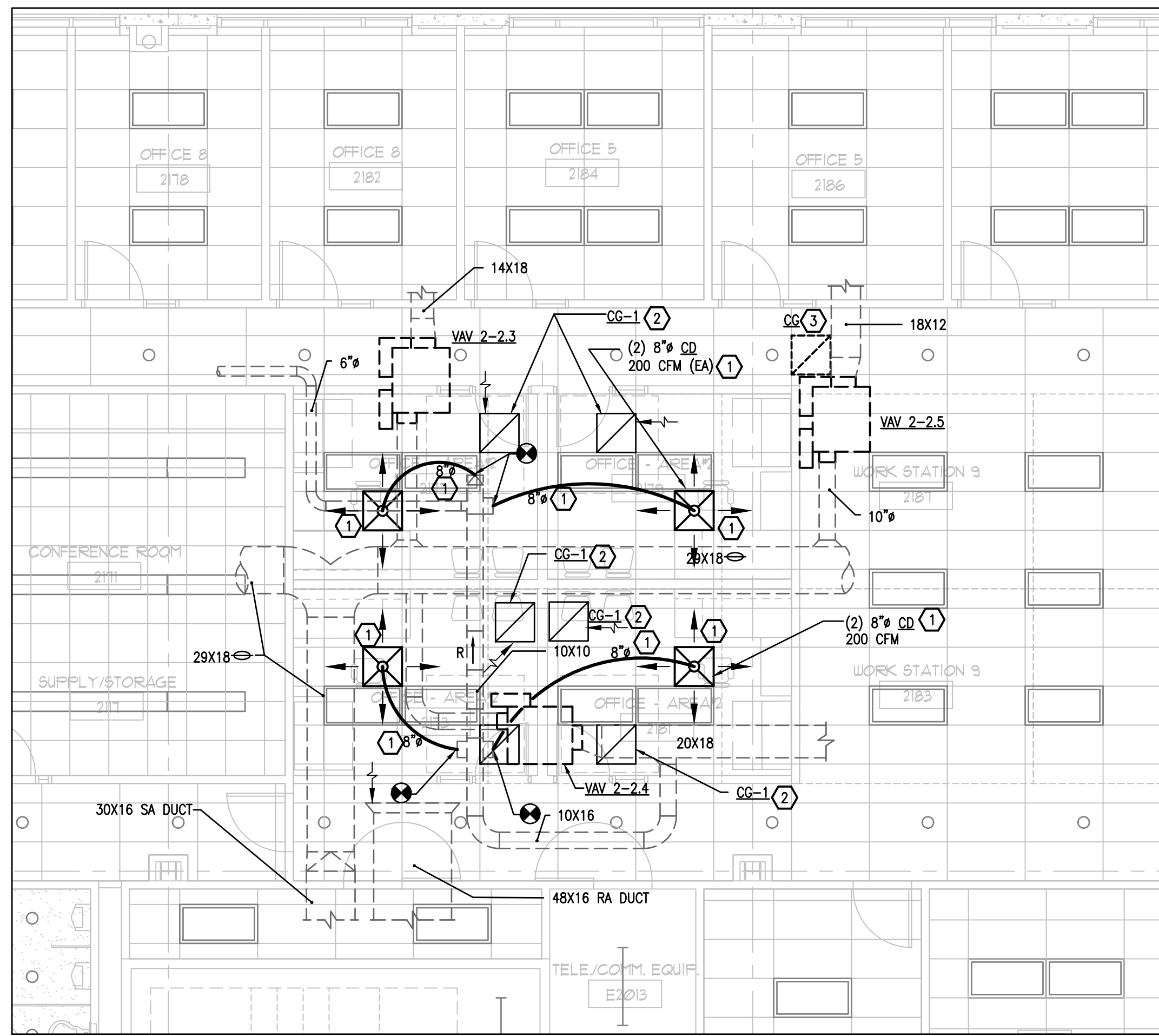
- 1 REMOVE EXISTING CEILING SUPPLY AIR DIFFUSER AND SAVE FOR REUSE. DISCONNECT AND REMOVE EXISTING FLEXIBLE DUCTWORK BACK TO DUCT TAKE-OFF. PROVIDE TEMPORARY CAP OVER REMAINING END OF DUCT TAKE-OFF.
- 2 EXISTING CEILING FILTER RETURN AIR GRILLE TO REMAIN.
- 3 EXISTING VAV BOX TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
- 2. CONTRACTOR TO PROTECT EXISTING HVAC EQUIPMENT AND DUCTWORK ABOVE THE CEILING THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY HVAC EQUIPMENT OR DUCTWORK DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.



EXISTING HVAC IN AREA #2 TO BE MODIFIED



2 2ND FLOOR RENOVATION PLAN - AREA#2 - HVAC
M-102 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - RENOVATION

- 1 RE-INSTALL RELOCATED EXISTING SUPPLY AIR DIFFUSERS IN LAY-IN CEILING. PROVIDE NEW FLEXIBLE DUCT CONNECTION FROM EXISTING DUCT TAKE-OFF TO INLET OF RELOCATED CEILING SUPPLY AIR DIFFUSER.
- 2 NEW CEILING FILTERED RETURN AIR GRILLE CG-1 IN EXISTING LAY-IN CEILING. PROVIDE NEW FILTER FOR NEW RA GRILLE.
- 3 PROVIDE NEW FILTER IN EXISTING CEILING RETURN AIR GRILLE (CG).

GENERAL NOTES

- 1. CONTRACTOR TO REPLACE ANY DUCTWORK INSULATION REMOVED OR DAMAGED ON THE EXISTING DUCTWORK DURING THE PERFORMANCE OF THEIR WORK. NEW DUCTWORK INSULATION SHALL MATCH EXISTING.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

CONSULTANTS



BOBES ASSOCIATES
CONSULTING ENGINEERS
100 ORCHARD DRIVE, SUITE 200
ORLANDO, FLORIDA 32801
FLORIDA STATE P.E. NUMBER: 3131

SIGNATURE AND DATED SEAL

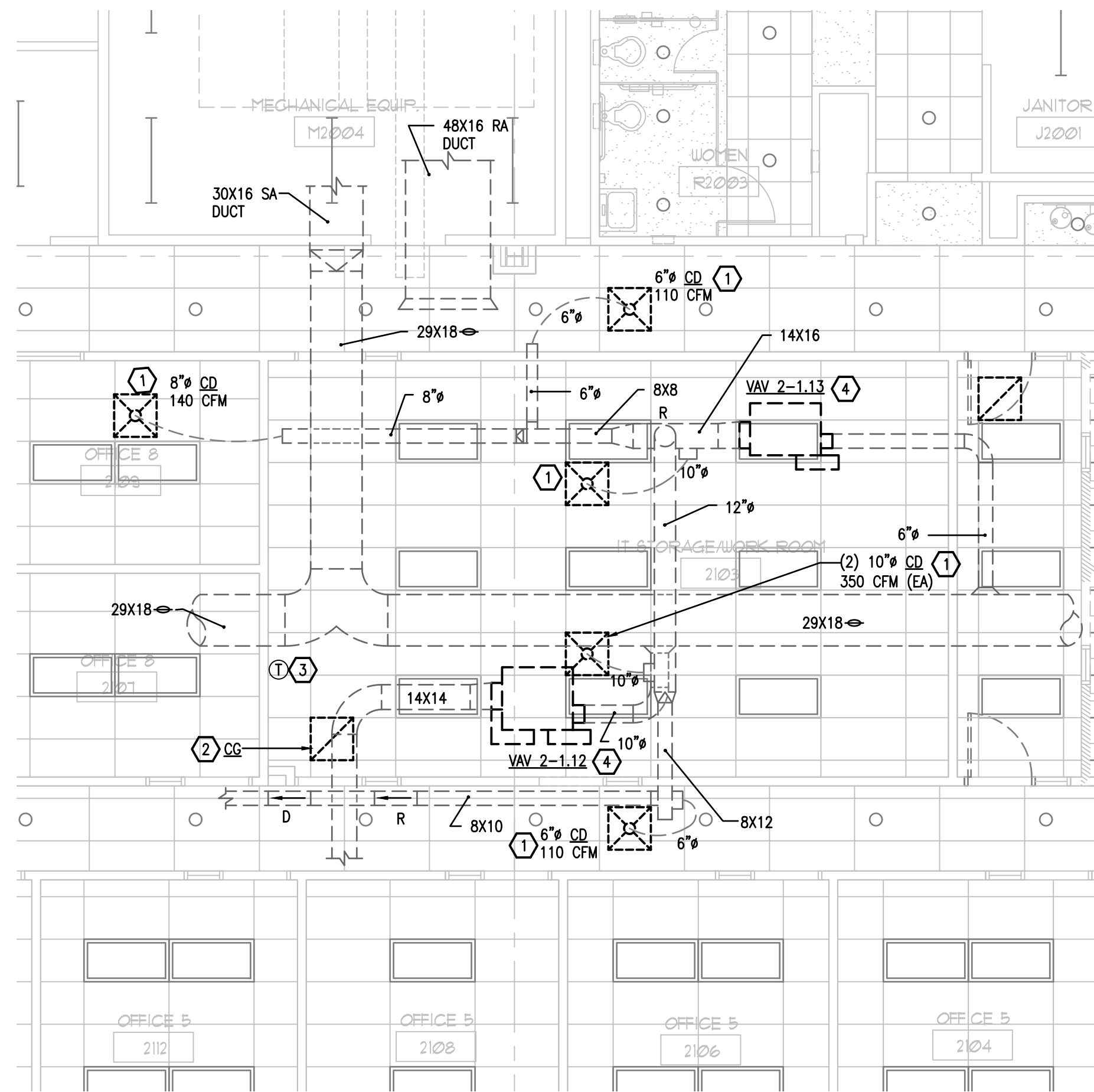
Second Floor Plans - Area#2 - HVAC

DRAWING TITLE

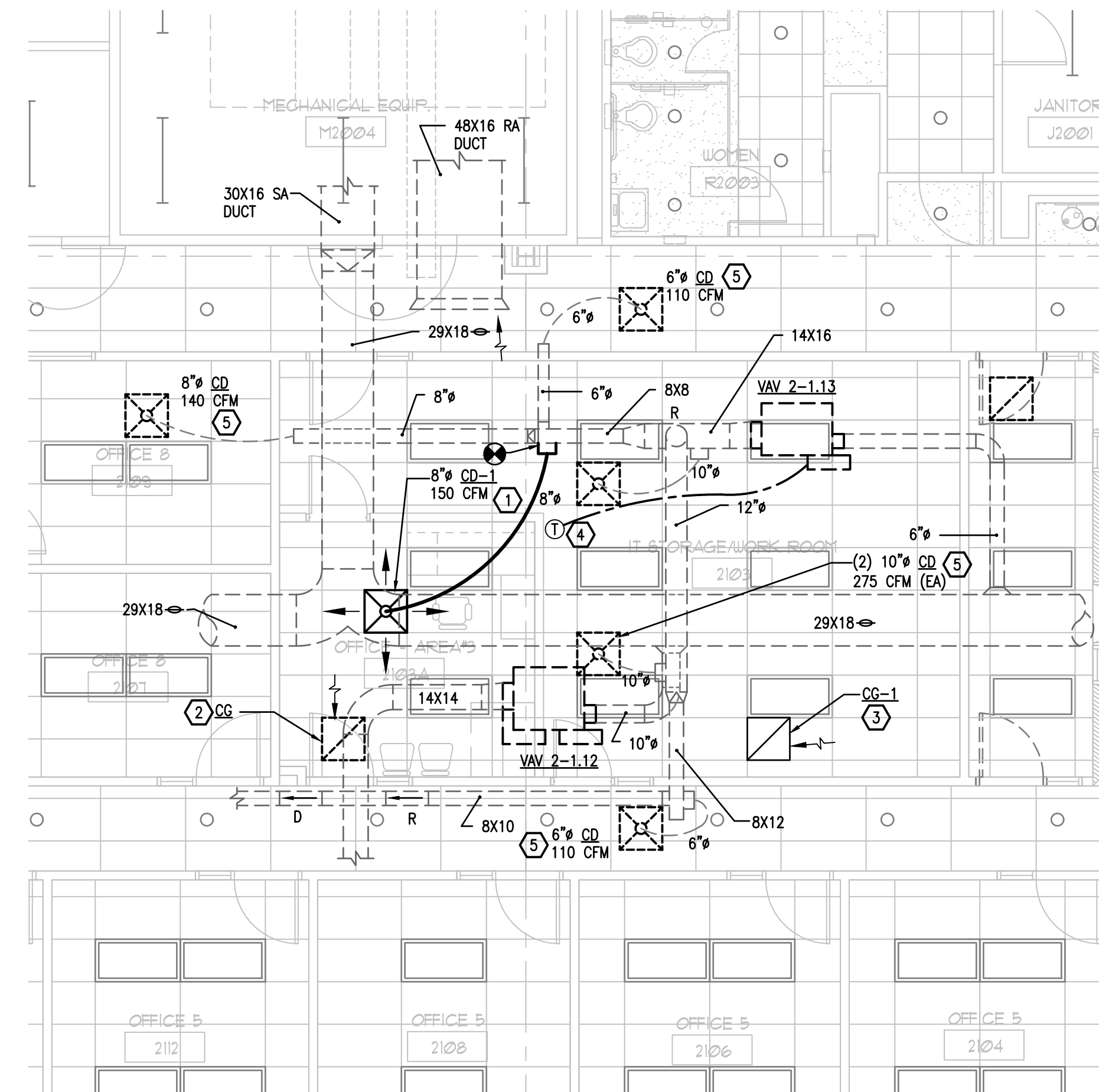
PROJECT NO.	16-166	PROJECT ADDRESS	OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
PHASE	100% CONST. DOCS	DATE	
SCALE	1'-0"	DESCRIPTION	
FILE NAME	GD FILE	OWNER NAME AND ADDRESS	ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
DRAWN BY	MB		
CHECKED BY	MB		
DATE	12-18-17		

M-102

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1 2ND FLOOR EXISTING DEMO PLAN - AREA#3 - HVAC
M-103 SCALE: 3/16" = 1'-0"



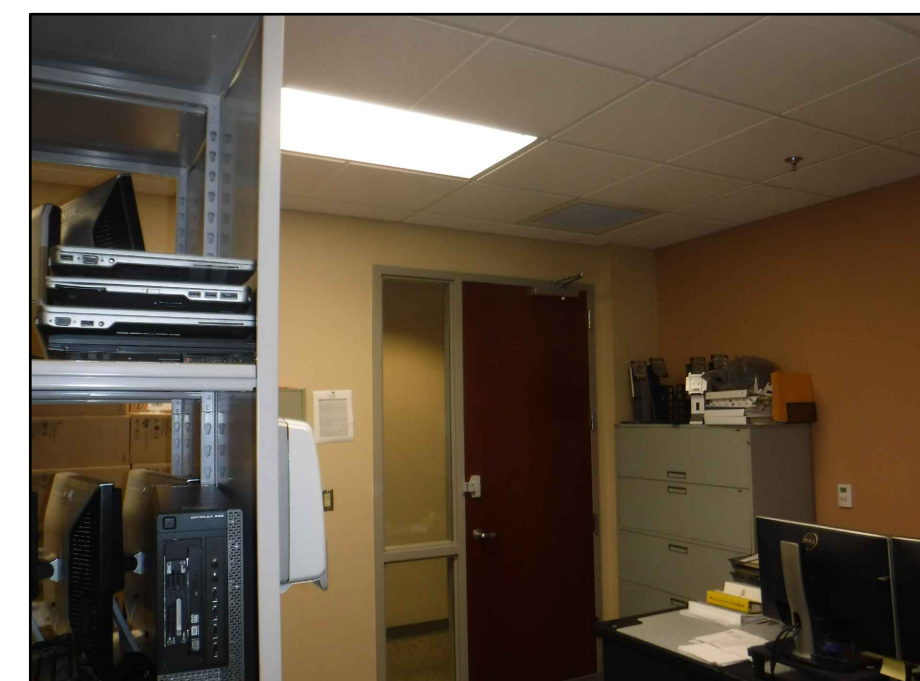
2 2ND FLOOR RENOVATION PLAN - AREA#3 - HVAC
M-103 SCALE: 3/16" = 1'-0"

HVAC KEY NOTES - DEMOLITION

- 1 EXISTING CEILING SUPPLY AIR DIFFUSER (CD) TO REMAIN.
- 2 EXISTING CEILING FILTER RETURN AIR GRILLE TO REMAIN.
- 3 EXISTING WALL MOUNTED THERMOSTAT CONTROLLING EXISTING VAV 2-1.13 TO BE REMOVED AND SAVED FOR REUSE. DISCONNECT EXISTING CONTROL WIRING CONNECTED TO VAV BOX.
- 4 EXISTING VAV BOX TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
- 2. CONTRACTOR TO PROTECT EXISTING HVAC EQUIPMENT AND DUCTWORK ABOVE THE CEILING THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY HVAC EQUIPMENT OR DUCTWORK DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.



EXISTING HVAC IN AREA #3 TO BE MODIFIED

HVAC KEY NOTES - RENOVATION

- 1 PROVIDE NEW CEILING SUPPLY AIR DIFFUSER CD-1 IN EXISTING LAY-IN CEILING. PROVIDE NEW DUCT TAKE-OFF WITH MANUAL VOLUME DAMPER AND FLEXIBLE DUCT CONNECTION TO NEW CEILING DIFFUSER.
- 2 EXISTING CEILING RETURN AIR GRILLE (CG) IN NEW OFFICE WITH EXISTING CEILING. PROVIDE NEW FILTER IN EXISTING CEILING RA GRILLE.
- 3 PROVIDE NEW CEILING FILTERED RETURN AIR GRILLE (CG-1) IN EXISTING CEILING. PROVIDE FILTER FOR NEW RA GRILLE.
- 4 INSTALL EXISTING THERMOSTAT ON NEW WALL AT 48" AFF. PROVIDE NEW CONTROL WIRING AND CONNECT TO EXISTING VAV 2-1.13 ABOVE THE CEILING.
- 5 RE-BALANCE EXISTING CEILING DIFFUSER TO CFM INDICATED.

GENERAL NOTES

- 1. CONTRACTOR TO REPLACE ANY DUCTWORK INSULATION REMOVED OR DAMAGED ON THE EXISTING DUCTWORK DURING THE PERFORMANCE OF THEIR WORK. NEW DUCTWORK INSULATION SHALL MATCH EXISTING.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

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ARCHITECTURE PLANNING LANDSCAPE INTERIOR
70 VASSAR STREET
ORLANDO FL 32804 407 418-1338
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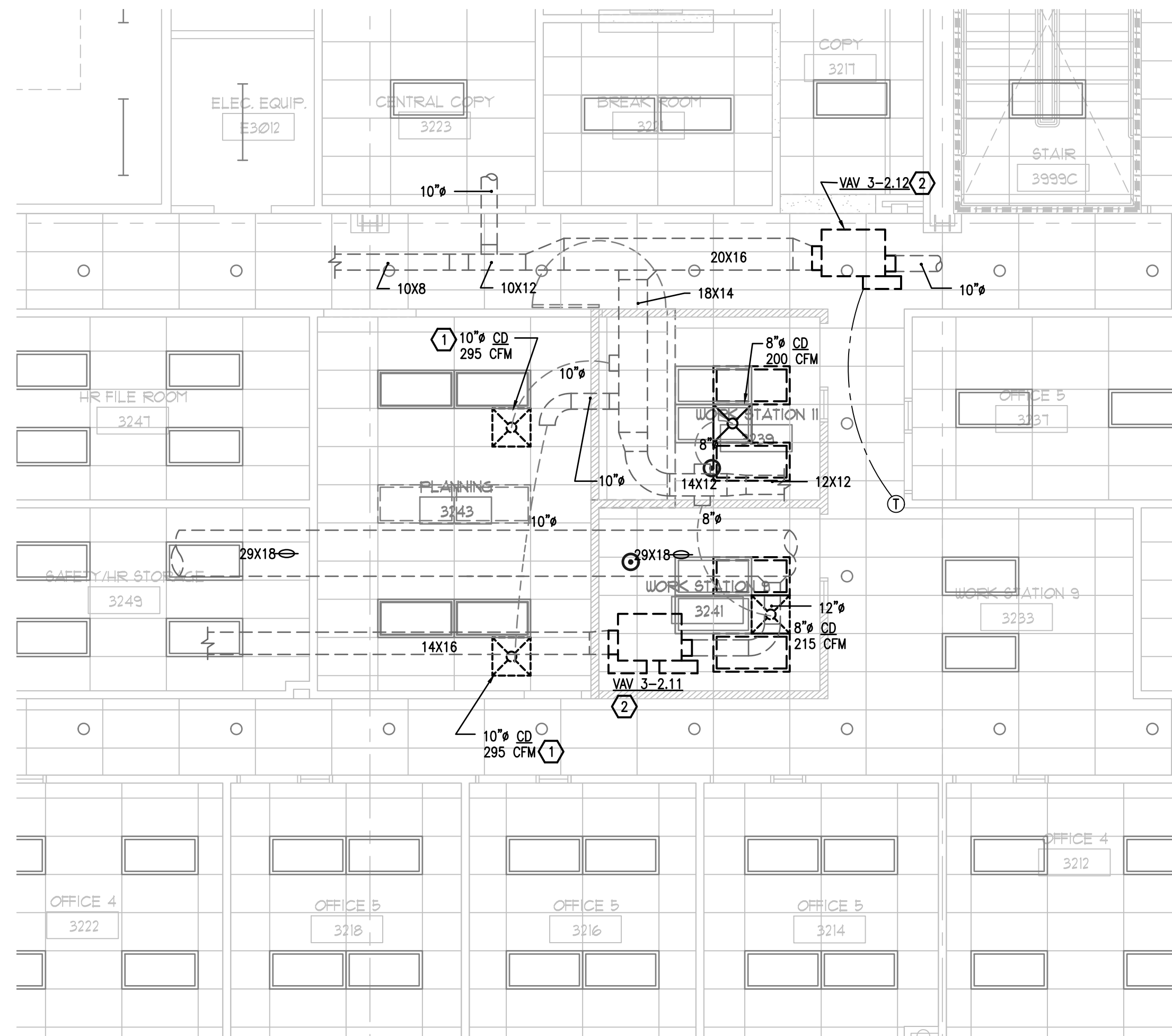
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CONSULTING ENGINEERS
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FLORIDA PROFESSIONAL ENGINEERING NO. 12414
FLORIDA STATE P.E. NUMBER: 3131

Second Floor Plans - Area#3 - HVAC

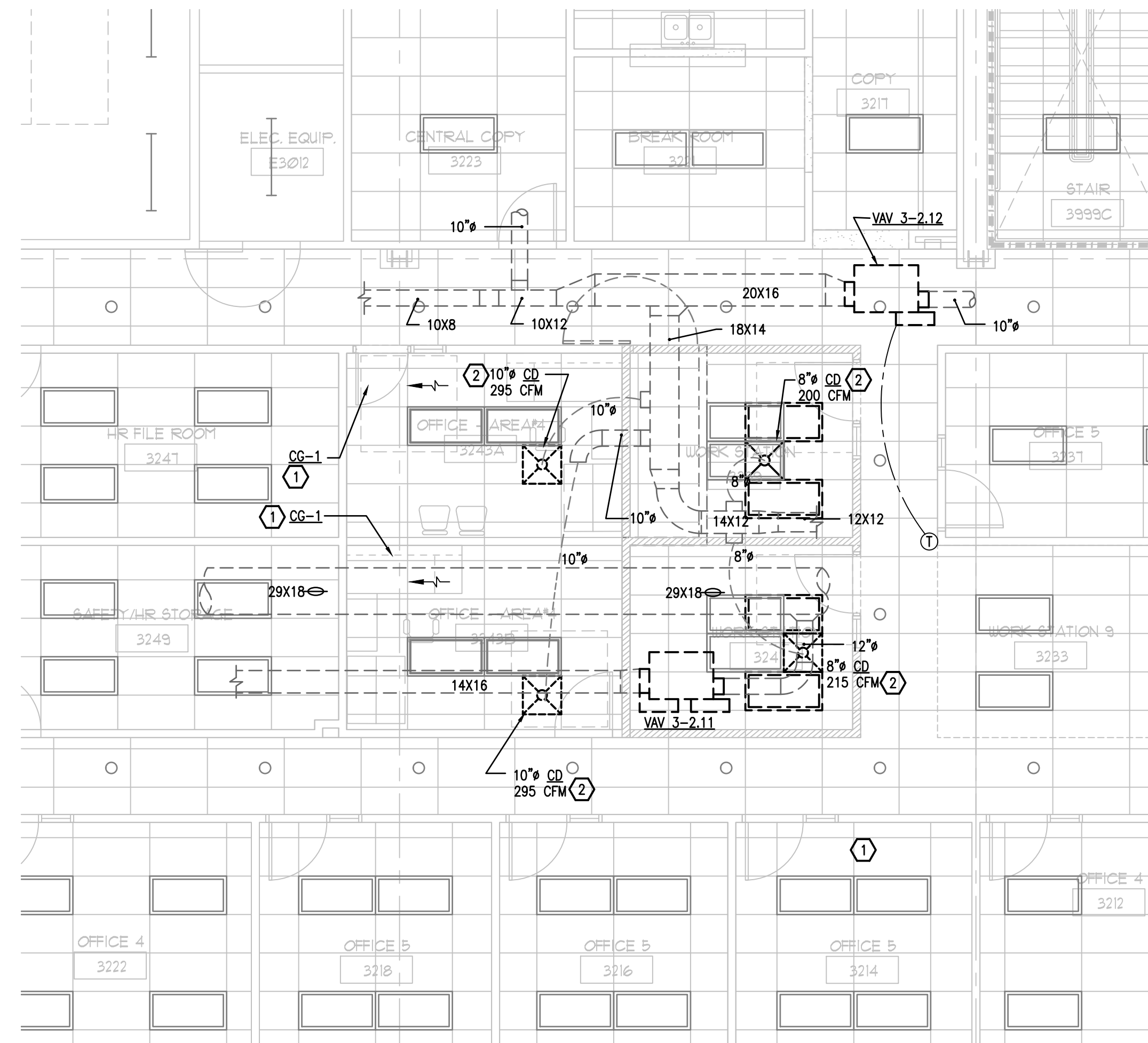
PROJECT ADDRESS	OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
OWNER NAME AND ADDRESS	ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825

PROJECT NO.	16-166
PHASE	100% CONST. DOCS
SCALE	
FILE NAME	GD FILE
DRAWN BY	MB
CHECKED BY	MB
DATE	12-18-17

M-103



1 3RD FLOOR EXISTING DEMO PLAN - AREA#4 - HVAC
M-104 SCALE: 3/16 = 1'-0"



2 3RD FLOOR RENOVATION PLAN - AREA#4 - HVAC
M-104 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - DEMOLITION

- ① EXISTING CEILING SUPPLY AIR DIFFUSER TO REMAIN.
- ② EXISTING VAV BOX TO REMAIN.

GENERAL NOTES

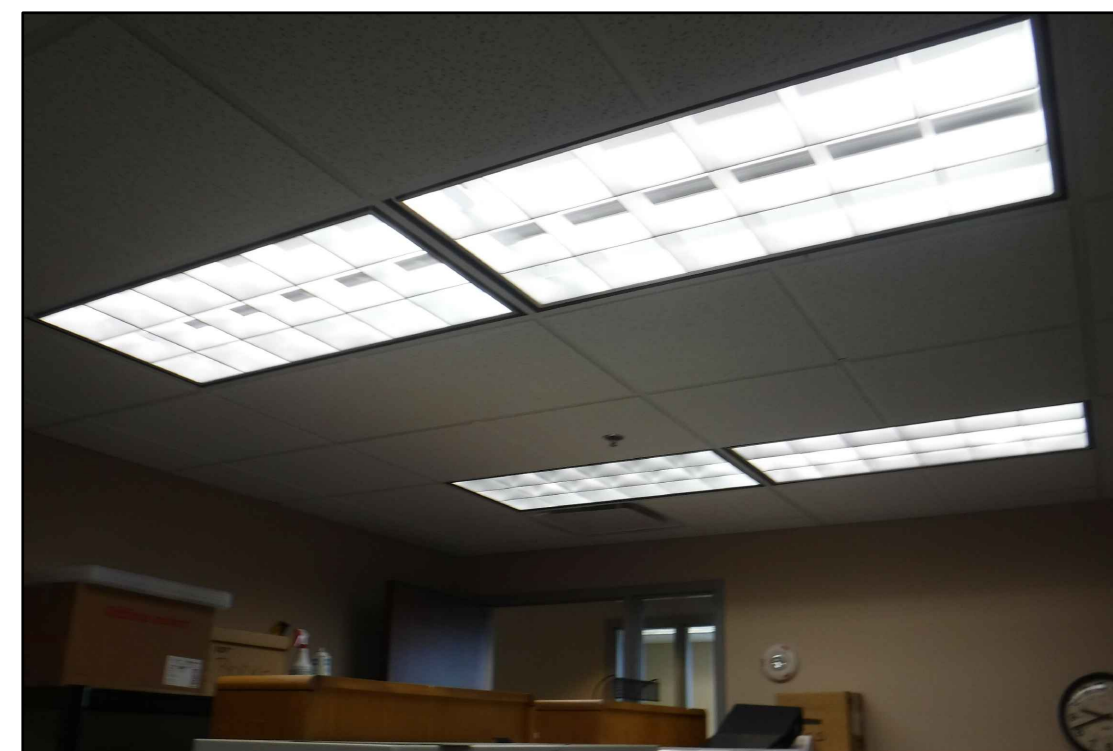
1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
2. CONTRACTOR TO PROTECT EXISTING HVAC EQUIPMENT AND DUCTWORK ABOVE THE CEILING THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY HVAC EQUIPMENT OR DUCTWORK DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.

HVAC KEY NOTES - RENOVATION

- ① PROVIDE NEW CEILING FILTERED RETURN AIR GRILLE CG-1. PROVIDE NEW FILTER IN RETURN AIR GRILLE.
- ② RE-BALANCE EXISTING CEILING DIFFUSER TO CFM INDICATED.

GENERAL NOTES

1. CONTRACTOR TO REPLACE ANY DUCTWORK INSULATION REMOVED OR DAMAGED ON THE EXISTING DUCTWORK DURING THE PERFORMANCE OF THEIR WORK. NEW DUCTWORK INSULATION SHALL MATCH EXISTING.



EXISTING HVAC IN AREA #4 TO BE MODIED

INTERIOR MODIFICATIONS AT THE OCJ ADMINISTRATION BUILDING

CONSULTANTS SIGNATURE AND DATED SEAL



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CONSULTING ENGINEERS
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FLORIDA PROFESSIONAL ENGINEERING NO. 12414
FLORIDA STATE P.E. NUMBER: 3131

Third Floor Plan - Area#4 - HVAC

DRAWING TITLE

PROJECT ADDRESS
OCJ CENTRAL ADMINISTRATION BUILDING
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

DATE

DESCRIPTION
DESCRIPTION

REV.

16-166

100% CONST. DOCS

1'-0'-0"

SCALE

12-18-17

DATE

CHECKED BY

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CAD FILE

FILE NAME

OWNER NAME AND ADDRESS
ORANGE COUNTY UTILITIES
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

PROJECT NO.

PHASE

12-18-17

12-18-17

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12-18-17

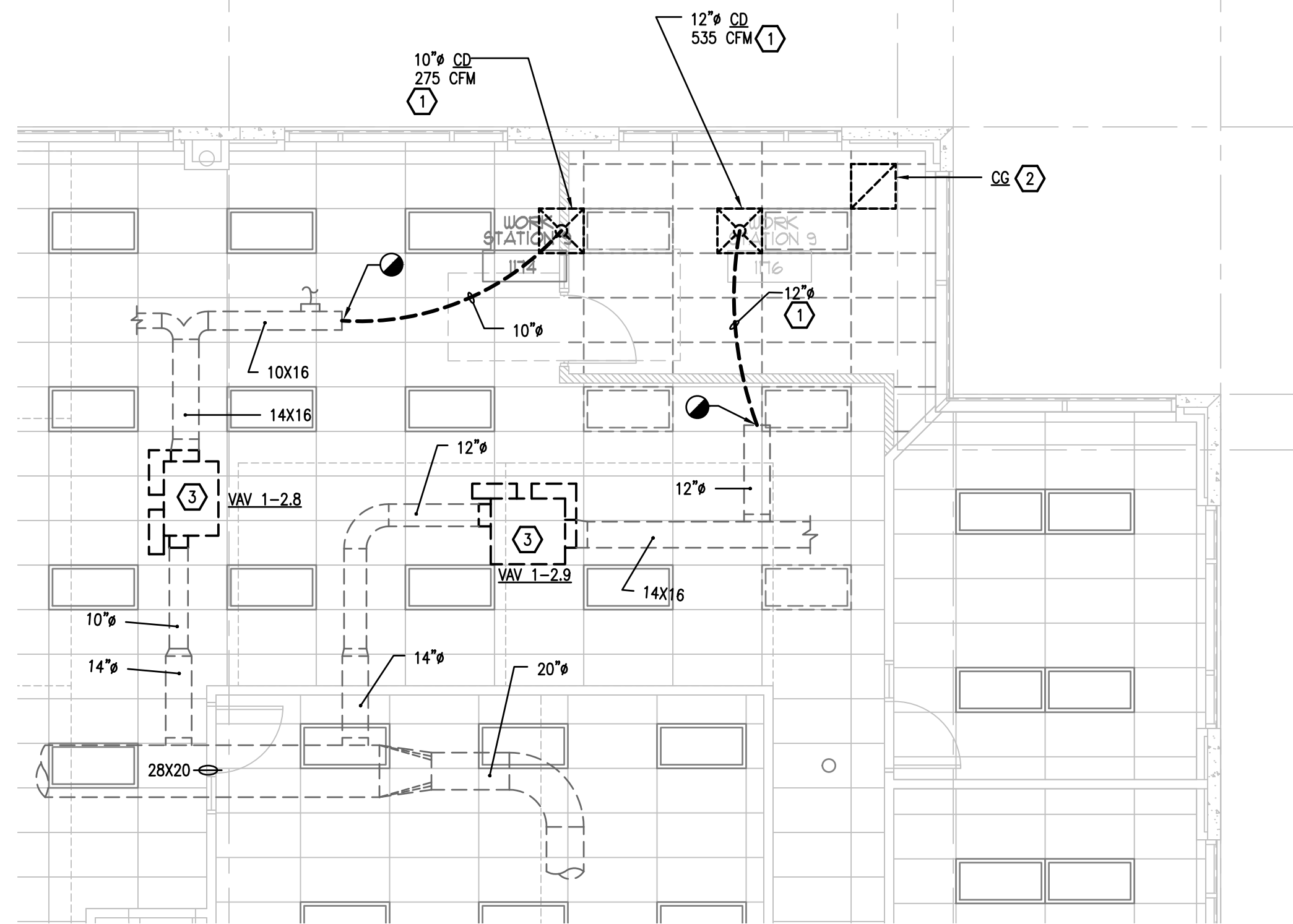
M-104

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M-104

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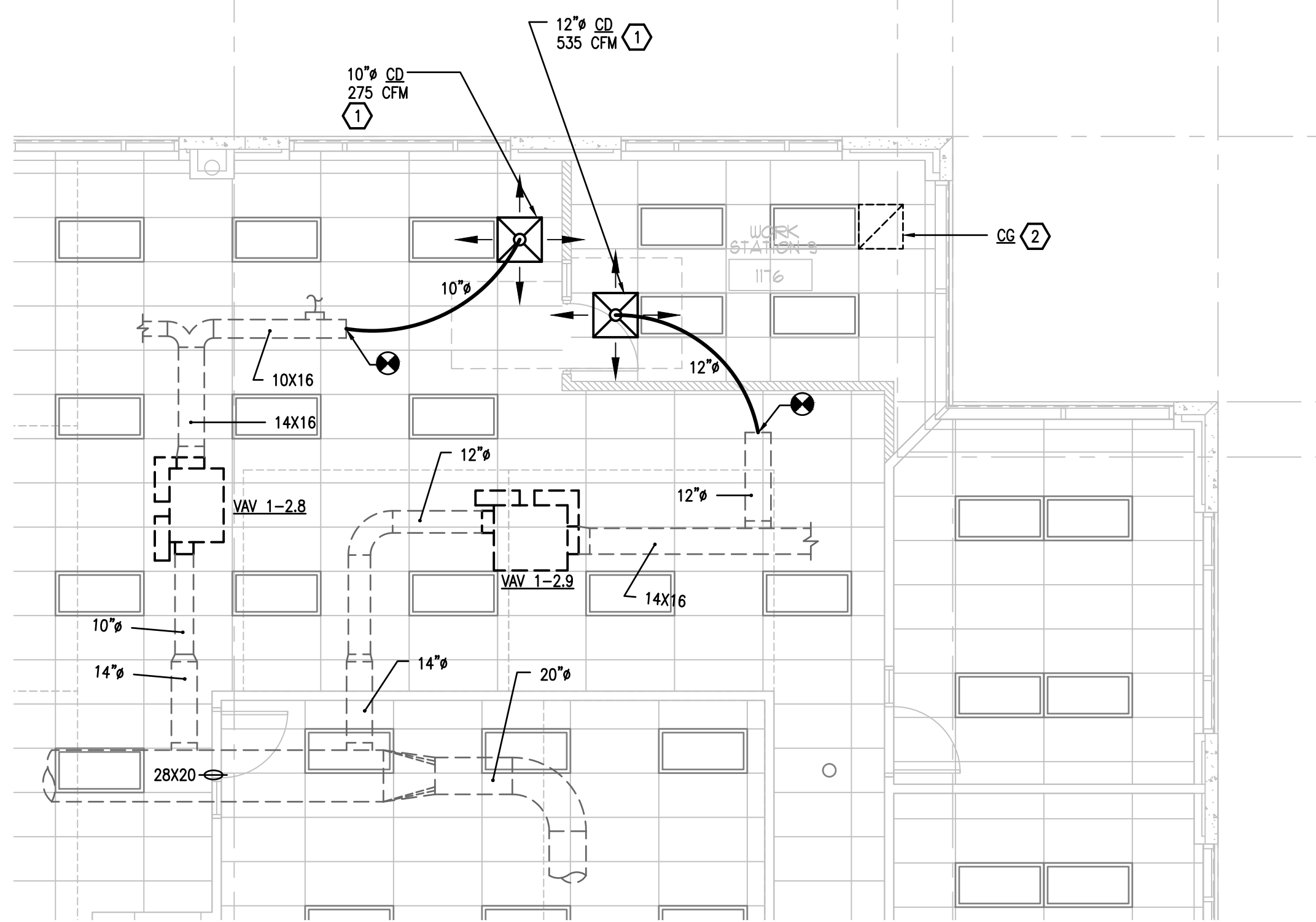
1 1ST FLOOR EXISTING DEMO PLAN - AREA#5 - HVAC
M-101 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - DEMOLITION

- ① REMOVE EXISTING CEILING SUPPLY AIR DIFFUSER AND SAVE FOR REUSE. DISCONNECT AND REMOVE EXISTING FLEXIBLE DUCTWORK BACK TO DUCT TAKE-OFF. PROVIDE TEMPORARY CAP OVER REMAINING END OF DUCT TAKE-OFF.
- ② EXISTING CEILING FILTER RETURN AIR GRILLE TO BE REMOVED AND SAVED FOR REUSE.
- ③ EXISTING VAV BOX TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
- 2. CONTRACTOR TO PROTECT EXISTING HVAC EQUIPMENT AND DUCTWORK ABOVE THE CEILING THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY HVAC EQUIPMENT OR DUCTWORK DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.



2 1ST FLOOR RENOVATION PLAN - AREA#5 - HVAC
M-101 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - RENOVATION

- ① RE-INSTALL RELOCATED EXISTING SUPPLY AIR DIFFUSERS IN LAY-IN CEILING. PROVIDE NEW FLEXIBLE DUCT CONNECTION FROM EXISTING DUCT TAKE-OFF TO INLET OF RELOCATED CEILING SUPPLY AIR DIFFUSER AS NECESSARY.
- ② PROVIDE NEW FILTER IN EXISTING RELOCATED CEILING RETURN AIR GRILLE (CG).




GENERAL NOTES

- 1. CONTRACTOR TO REPLACE ANY DUCTWORK INSULATION REMOVED OR DAMAGED ON THE EXISTING DUCTWORK DURING PERFORMANCE OF THEIR WORK. NEW DUCTWORK INSULATION SHALL MATCH EXISTING.

INTERIOR MODIFICATIONS AT THE OCJ ADMINISTRATION BUILDING

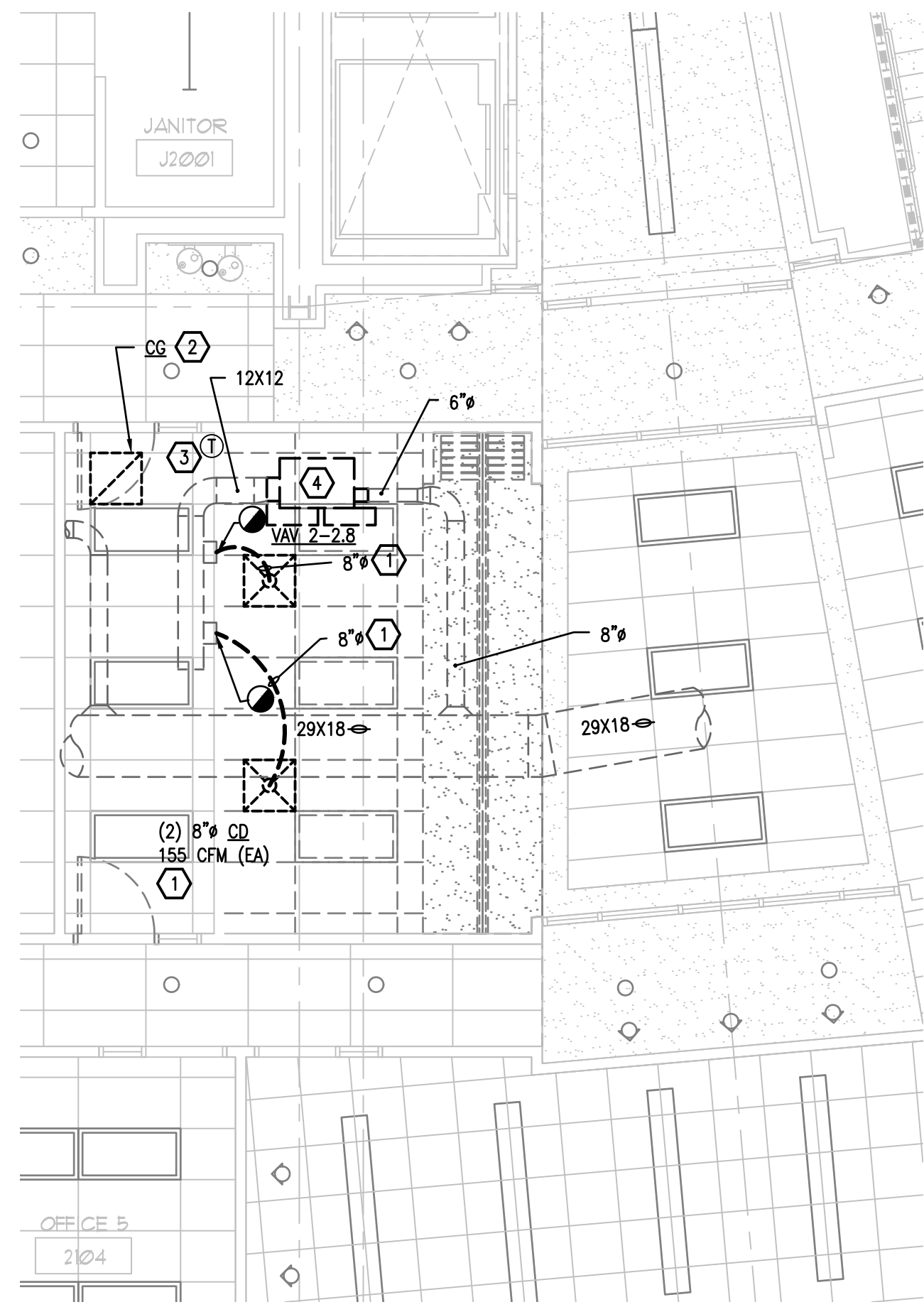
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FLORIDA STATE P.E. NUMBER: 3131
ACCOUNT: G.E. BOBES JR., P.E.
FLORIDA STATE P.E. # 39410

CONSULTANTS:   
DRAWING TITLE: First Floor Plans - Area#5 - HVAC
SIGNATURE AND DATED SEAL: _____

REV.	DESCRIPTION	DATE	PROJECT ADDRESS
16-166	100% CONST. DOCS		OCJ CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
1-0-07	SCALE		OWNER NAME AND ADDRESS ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
	FILE NAME		
	DRAWN BY		
	CHECKED BY		
	DATE	12-18-17	

M-106



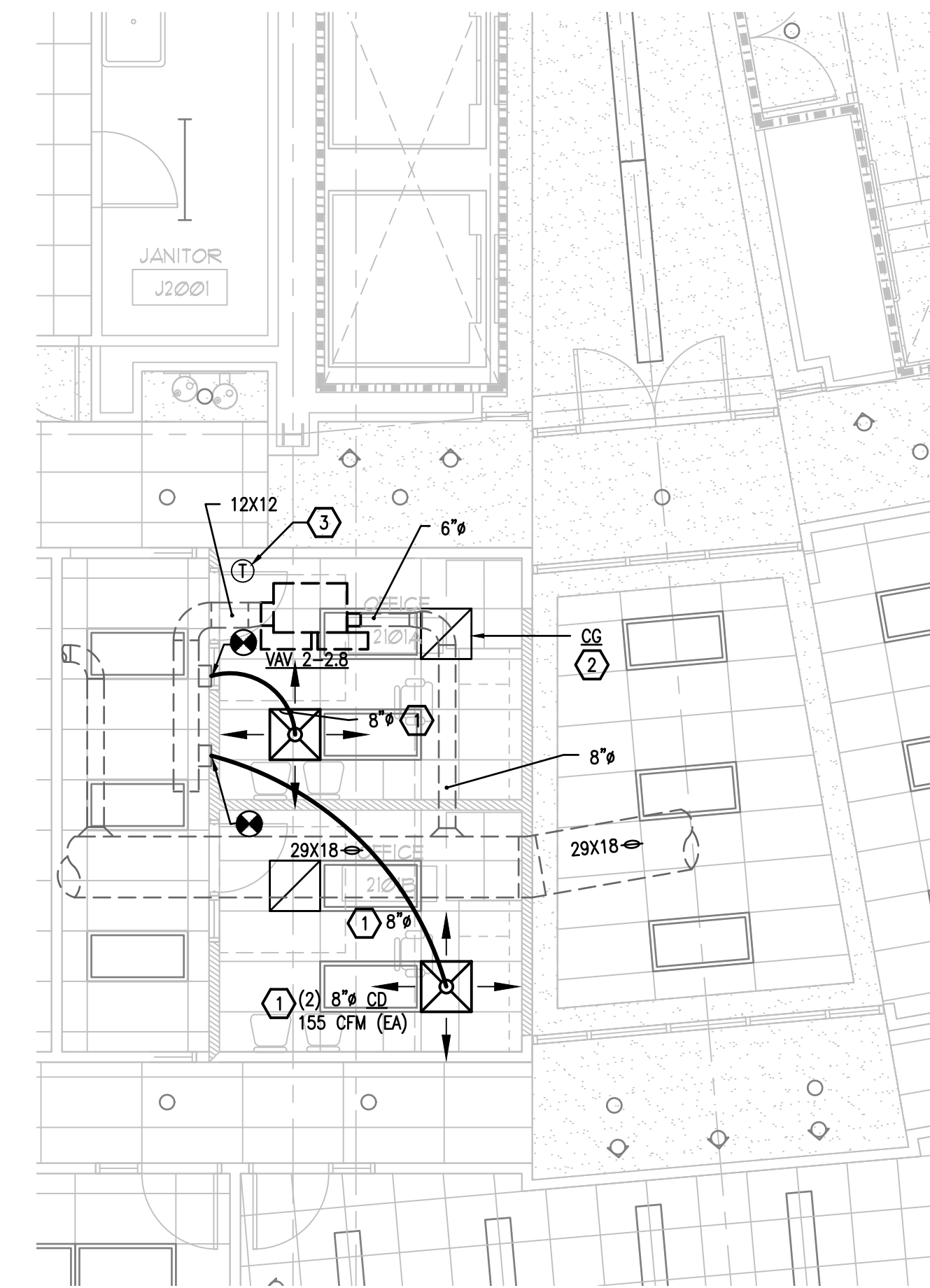
1 2ND FLOOR EXISTING DEMO PLAN - AREA#6 - HVAC
M-103 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - DEMOLITION

- 1 EXISTING CEILING SUPPLY AIR DIFFUSER (CD) TO BE REMOVED AND SAVED FOR REUSE. REMOVE EXISTING FLEXIBLE DUCT CONNECTED TO DIFFUSER BACK TO EXISTING TAKE-OFF. TEMPORARILY CAP REMAINING END OF DUCTWORK.
- 2 EXISTING CEILING FILTER RETURN AIR GRILLE TO BE REMOVED AND SAVED FOR REUSE.
- 3 EXISTING WALL THERMOSTAT CONTROLLING EXISTING VAV 2-2.8 TO BE REMOVED AND SAVED FOR REUSE. REMOVE EXISTING CONTROL WIRING TO THERMOSTAT AND VAV 2-2.8.
- 4 EXISTING VAV BOX TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
- 2. CONTRACTOR TO PROTECT EXISTING HVAC EQUIPMENT AND DUCTWORK ABOVE THE CEILING THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY HVAC EQUIPMENT OR DUCTWORK DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.



2 2ND FLOOR RENOVATION PLAN - AREA#6 - HVAC
M-103 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - RENOVATION

- 1 INSTALL EXISTING RELOCATED CEILING DIFFUSER (CD) IN NEW CEILING GRID. PROVIDE NEW FLEXIBLE DUCT CONNECTED TO RELOCATED DIFFUSER AND EXISTING DUCT TAKE-OFF.
- 2 EXISTING CEILING RETURN AIR GRILLE (CG) IN NEW CEILING GRID. PROVIDE NEW FILTER IN EXISTING CEILING RA GRILLE.
- 3 INSTALL EXISTING SPACE THERMOSTAT ON WALL 48" A.F.F. FOR VAV 2-2.8. PROVIDE NEW CONTROL WIRING CONNECTED TO RELOCATED THERMOSTAT AND EXISTING VAV 2-2.8 AS REQUIRED.

GENERAL NOTES

- 1. CONTRACTOR TO REPLACE ANY DUCTWORK INSULATION REMOVED OR DAMAGED ON THE EXISTING DUCTWORK DURING THE PERFORMANCE OF THEIR WORK. NEW DUCTWORK INSULATION SHALL MATCH EXISTING.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

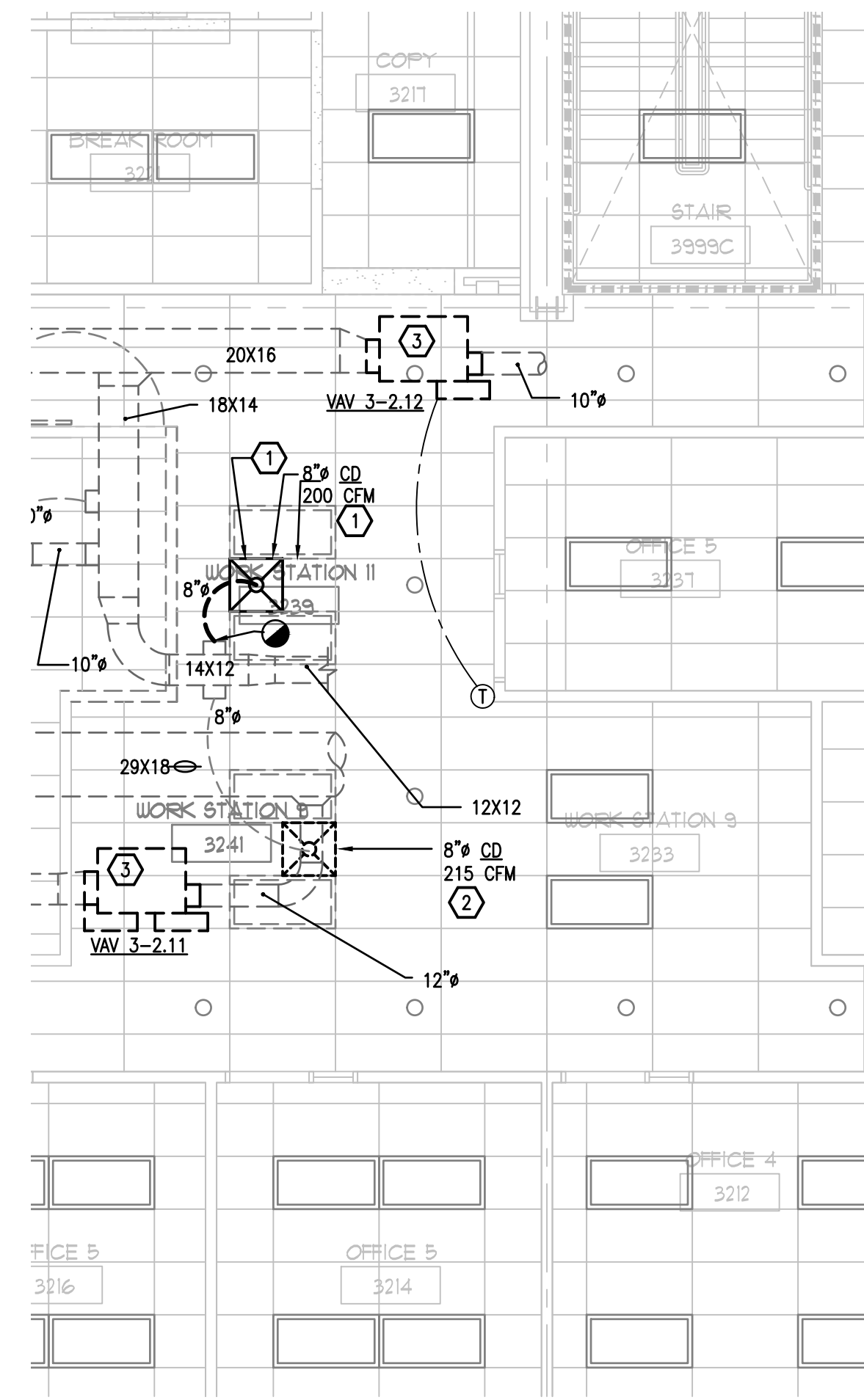
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FLORIDA PROFESSIONAL ENGINEERING NO. 12511
FLORIDA STATE P.E. NUMBER: 3131
ACCOUNTS: E. BOBES JR., P.E.
FLORIDA P.E. # 39410

Second Floor Plans - Area#6 - HVAC

REV.	DESCRIPTION	DATE	PROJECT ADDRESS	DRAWING TITLE
16-166	100% CONST. DOCS		OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825	
	SCALE		OWNER NAME AND ADDRESS	
	FILE NAME		ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825	
	DRAWN BY			
	CHECKED BY			
	DATE			

M-107



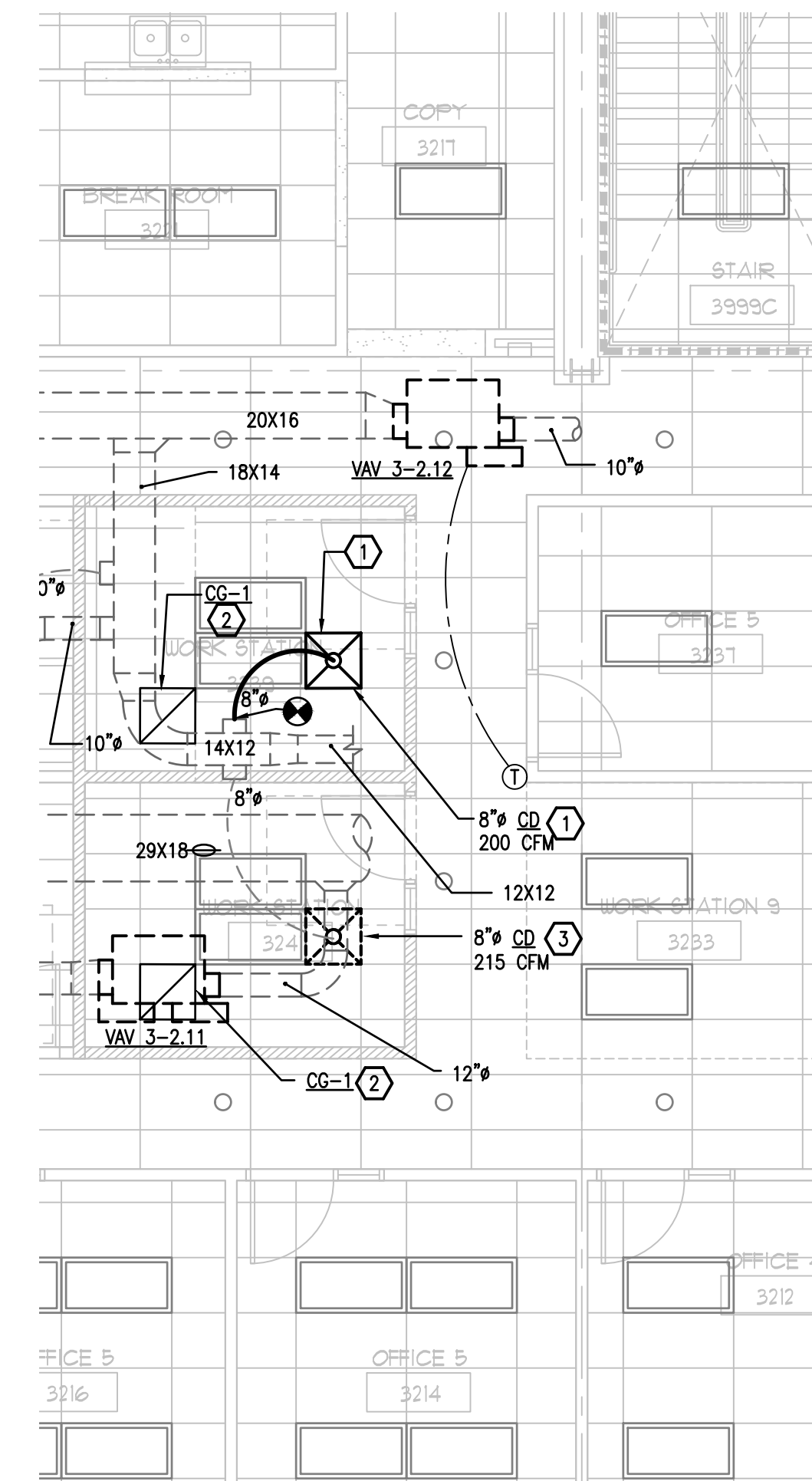
1 3RD FLOOR EXISTING DEMO PLAN - AREA#7 - HVAC
M-104 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - DEMOLITION

- ① EXISTING CEILING SUPPLY AIR DIFFUSER TO BE REMOVED AND SAVED FOR REUSE. REMOVE EXISTING FLEXIBLE DUCT CONNECTED TO DIFFUSER BACK TO TAKE-OFF. TEMPORARILY REMAINING END OF DUCTWORK.
- ② EXISTING CEILING DIFFUSER TO REMAIN. CONTRACTOR SHALL INDEPENDENTLY SUPPORT DIFFUSER ABOVE THE FLOOR FOR REMOVAL AND INSTALLATION OF NEW CEILING.
- ③ EXISTING VAV BOX TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
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2 3RD FLOOR RENOVATION PLAN - AREA#7 - HVAC
M-104 SCALE: 3/16 = 1'-0"

HVAC KEY NOTES - RENOVATION

- ① RELOCATED EXISTING CEILING DIFFUSER (CD) INSTALLED IN NEW CEILING GRID. PROVIDE NEW FLEXIBLE DUCT AND CONNECT TO RELOCATED CEILING DIFFUSER AND TO EXISTING DUCT TAKE-OFF.
- ② PROVIDE NEW CEILING FILTERED RETURN AIR GRILLE CG-1. PROVIDE NEW FILTER IN RETURN AIR GRILLE.
- ③ RE-BALANCE EXISTING CEILING DIFFUSER TO CFM INDICATED.

GENERAL NOTES

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INTERIOR MODIFICATIONS AT THE OCJ ADMINISTRATION BUILDING

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FLORIDA PROFESSIONAL ENGINEERING NO. 12517
FLORIDA STATE P.E. NUMBER: 3131

CONSULTANTS
SIGNATURE AND DATED SEAL
Third Floor Plan - Area#8 - HVAC

DRAWING TITLE
PROJECT ADDRESS
OCJ CENTRAL ADMINISTRATION BUILDING
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825
OWNER NAME AND ADDRESS
ORANGE COUNTY UTILITIES
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

REV.	DESCRIPTION	DATE
16-166	100% CONST. DOCS	
	SCALE	1'-0"
	FILE NAME	CD FILE
	DRAWN BY	MB
	CHECKED BY	MB
	DATE	12-18-17

M-108

LEGEND	
SYMBOL	DESCRIPTION
— F —	FIRE MAIN
— T —	THRUST BLOCK
— G —	FIRE DEPARTMENT CONNECTION
— P —	POST INDICATOR VALVE W/ TAMPER SWITCH
— N —	CHECK VALVE
— R —	ROOF MANIFOLD
— H —	FIRE HYDRANT
— V —	FIRE DEPARTMENT VALVE
— O — O.S.A. V.	OUTSIDE SCREW & YOKER
— F.S. —	FLOW SWITCH
— B.F.V. —	BUTTERFLY VALVE
— B.B.V. —	BUTTERBALL VALVE
— A.N.S. —	AREA NOT SPRINKLED
— A.F.S. —	AREA FULLY SPRINKLED
— R —	RISER
— D —	DRY PIPE SPRINKLER
— O —	DN-OFF SPRINKLER
— F.H.C. —	FIRE HOSE CABINET
— S.I.V. —	SUPERVISED ISOLATION VALVE
— I.T. —	INSPECTOR'S TEST
— S.W.S. —	SIDEWALL SPRINKLER
— D.S.S. —	DRYPIPE SIDEWALL SPRINKLER
— E.C.S.S. —	EXTENDED COVERAGE SIDEWALL SPRINKLER
— E.P. —	EXISTING PIPING
— P.T.B. —	PIPING TO BE REMOVED
— R.S. —	RECESSED SPRINKLER
— C.S. —	*CONCEALED* SPRINKLER
— U.R.S. —	UP-RIGHT SPRINKLER ON EXPOSED PIPING
— S.H.I.T. —	SPRINKLER HIGH OR INTERMEDIATE TEMP.
— S.W.C. —	SPRINKLER WAX-COATED
— S.W.G. —	SPRINKLER WITH GUARD INSTALLED
— F.C. —	FLUSHING CONNECTION
— P.C. —	POINT OF CONNECTION
— P.P.T.W. —	PIPING PASSING THRU RATED WALL
— B.P.P.D. —	BACKFLOW PREVENTION DEVICE
— S.P.1HR —	SMOKE PARTITION 1HR RATED
— S.P.2HR —	2HR RATED PARTITION
— S.P.1HR —	1HR RATED PARTITION
— L.C. —	LIMITS OF CONSTRUCTION
— H.M.D. —	HYDRA. HDST DEMANDING SPRK.
— H.M.D. —	HYDRA. HDST DEMANDING AREA
— H.R. —	HYDRAULIC REFERENCE NOTE

NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT.

HALON LEGEND	
SYMBOL	DESCRIPTION
— D —	DETECTOR, IONIZATION (UNDERFLOOR)
— D —	DETECTOR, IONIZATION
— D —	DETECTOR, PHOTOELECTRIC
— D —	STROBE (LENS MARKED 'HALON')
— D —	STROBE (LENS MARKED 'FIRE')
— D —	STROBE-HORN
— B —	BELL, 8"
— A.S. —	ABORT SWITCH
— M.R. —	MANUAL RELEASE
— C.P. —	CONTROL PANEL
— G.A.P. —	GRAPHIC ANNUNCIATOR PANEL
— A.P. —	AGENT PIPING
— A.P.B.F. —	AGENT PIPING BELOW FLOOR
— A.C. —	AGENT CONTAINER
— N.S. —	NOZZLE SCREEN
— N.S. —	NOZZLE - 360 - SIZE AND LBS. SHOWN
— N.S. —	NOZZLE - 180 - SIZE AND LBS. SHOWN

WET CHEMICAL FIRE SUPPRESSION	
SYMBOL	DESCRIPTION
— P.N.H. —	PLENUM NOZZLE - HORIZONTAL
— P.N.V. —	PLENUM NOZZLE - VERTICAL
— D.N. —	DUCT NOZZLE
— H.D. —	HEAT DETECTOR
— T.H.D. —	THERMAL HEAT DETECTOR
— M.R. —	MANUAL RELEASE
— G.S.V. —	GAS SHUT-OFF VALVE
— A.R.A. —	AGENT AND REGULATED RELEASE ASSEMBLY
— A.P. —	AGENT PIPING
— A.C.P. —	ALARM CABLE PIPING

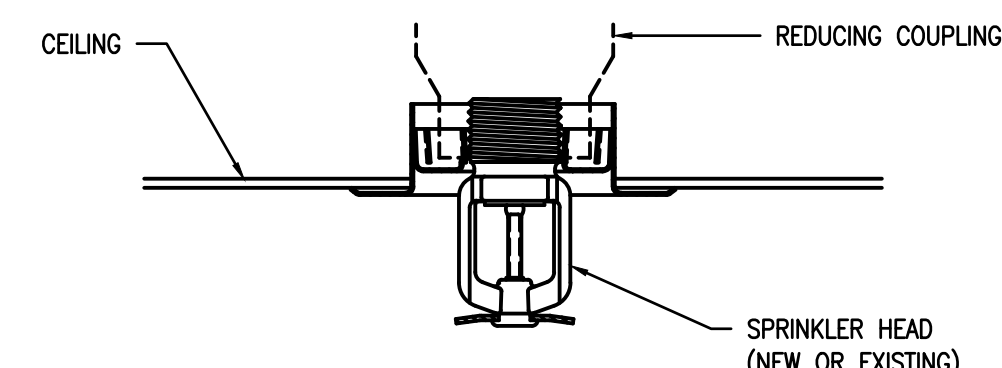
FIRE PROTECTION NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2014 FLORIDA FIRE PREVENTION CODE, NFPA REQUIREMENTS AND THE ORANGE COUNTY FIRE MARSHALL REQUIREMENTS.
- THE SPRINKLER SYSTEM SHALL BE INSTALLED BY AN APPROVED FIRE SPRINKLER CONTRACTOR WHO MUST SUBMIT COMPLETE FIRE SPRINKLER SHOP PLANS AND HYDRAULIC CALCULATIONS, SIGNED AND SEALED BY HIS REGISTERED FLORIDA ENGINEER. ALL SYSTEMS SHALL COMPLY WITH NFPA-13, 14, 101 AND THE ORANGE COUNTY FIRE DEPARTMENT REQUIREMENTS.
- PROVIDE ALL LABOR, MATERIAL, NECESSARY EQUIPMENT AND SERVICES TO COMPLETE THE FIRE PROTECTION WORK AS REQUIRED, AS SPECIFIED HEREIN OR BOTH.
- THE FIRE PROTECTION SYSTEM SHALL BE INSTALLED TO COMPLY WITH THE LATEST LOCAL CODES, INSURER'S AND AUTHORITIES REQUIREMENTS TO MAINTAIN A FULLY SPRINKLERED BUILDING CONDITION UPON COMPLETION OF PROJECT BASED ON NFPA-13 REQUIREMENTS.
- CONTRACTOR SHALL FURNISH AND INSTALL HYDRAULICALLY DESIGNED AUTOMATIC FIRE SPRINKLER SYSTEMS COMPLETE IN ALL LOCAL DIRECTIVES, CODE REQUIREMENTS, OWNER'S BUILDING CRITERIA AND ALL NECESSARY SUBMITTALS TO OBTAIN OWNER'S INSURER AND LOCAL AUTHORITIES APPROVALS. PROVIDE AS-BUILT/ MODIFIED FIRE PROTECTION SHOP DRAWINGS AS REQUIRED.
- FURNISH ALL NECESSARY EQUIPMENT, LABOR, AND DESIGN EXPERTISE TO DESIGN AND CONSTRUCT INSTALLATIONS OF SPRINKLER HEADS, VALVES, SWITCHES, CONTROLS, ALARMS, TESTING FACILITIES, ETC. TO ACCOMPLISH REQUIRED BUILDING COVERAGES.
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH ALL OWNER REQUIREMENTS AND LOCAL CODES AND ORDINANCES. MATERIALS SHALL BE NEW AND FREE OF DEFECTS.
- ALL PIPING SHALL BE SUPPORTED FROM BUILDING IN AN APPROVED MANNER.
- PIPE SPECIFICATION:
FOR LINES 1/2" & LARGER USE BLACK STEEL SCHEDULE 10 ASTM A 135-73A WITH ROLLED MECHANICAL COUPLINGS AS PER NFPA AND UL APPROVED FOR FIRE SPRINKLER SERVICE.
FOR LINES 1" TO 2" USE STEEL THREADABLE THINWALL PIPE TYPE XL BY ALIED TUBE AND CONDUIT. ASTM A135-732, GRADE B WITH MALLEABLE IRON, 150 PSI BANNED OR CAST IRON 175 PSI, THREADED, BLACK ANSI B 16.3 OR B 16.4.
FOR UNDERGROUND LINES INSIDE AND OUTSIDE THE BUILDING USE DUCTILE IRON PIPE CLASS 52 WITH CEMENT LINING, ANSI A21.4.74. USE WITH MECHANICAL JOINT CAST IRON FITTINGS ANSI A21.10-71, CLASS 250.
SPRINKLER TEST LINES AND DRAIN PIPING SHALL BE GALVANIZED STEEL PIPE, SCHEDULE 40, ASTM A-53-78 GRADE A OR A-135-73A, GRADE A.
- TEST ALL FIRE SPRINKLER PIPING AT 200 PSI MINIMUM HYDROSTATIC PRESSURE FOR A MINIMUM OF 2 HOURS, OR AT 50 PSI IN EXCESS OF THE MAXIMUM PRESSURE WHEN THE MAXIMUM PRESSURE TO BE MAINTAINED IN THE SYSTEM IS IN EXCESS OF 150 PSI.
- CONTRACTOR SHALL PROVIDE FIRE DEPARTMENT TEST VALVES, ETC. AND PERFORM AND/OR PAY FOR ALL TESTS INDICATED AND REQUIRED FOR THE FIRE PROTECTION SYSTEMS.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, INSPECTIONS, INSURANCE AND TAXES REQUIRED TO INSTALL AND COMPLETE THE FIRE PROTECTION SYSTEMS.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES WITH THE PROGRESS OF CONSTRUCTION.
- PROVIDE ALL MATERIALS AND SERVICES REQUIRED FOR ELECTRICAL TO MAKE FIRE ALARM SYSTEMS OPERATIONAL AS RELATED TO FIRE SPRINKLER SYSTEM.

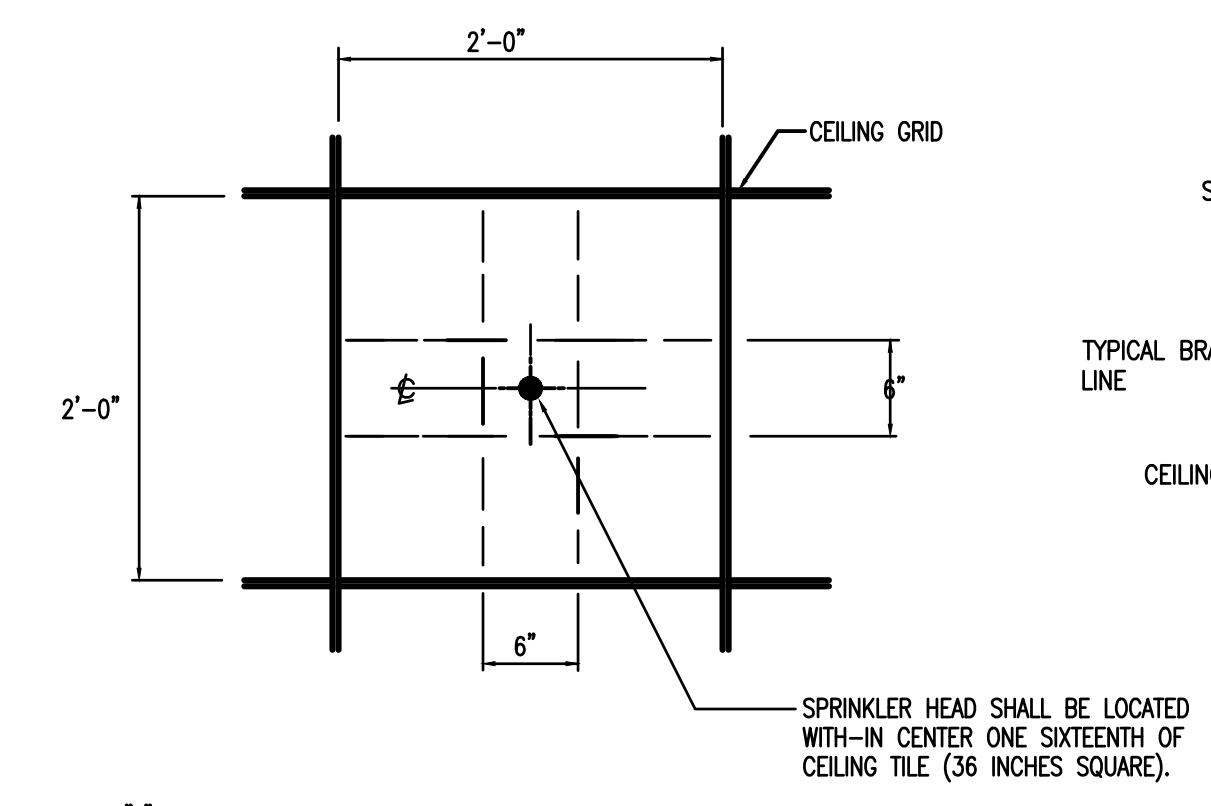
- VERIFY ALL VOLTAGES WITH ELECTRICAL CONTRACTOR BEFORE ORDERING EQUIPMENT.
- SUBMIT SHOP DRAWINGS OF ALL MATERIALS AND EQUIPMENT FOR PROCESSING PRIOR TO INSTALLATION.
- VERIFY ALL DIMENSIONS AND CLEARANCES WITH THE STRUCTURE PRIOR TO ANY FABRICATION OR INSTALLATION.
- ALL SPRINKLER HEADS INDICATED ON DRAWINGS PREPARED BY ENGINEER OF RECORD FOR THE FIRE SPRINKLER SYSTEM ARE FOR COORDINATION PURPOSE ONLY. CONTRACTOR SHALL VERIFY COVERAGE AND ADD HEADS AS REQUIRED.
- PROVIDE SPARE HEADS AND WRENCH(ES) IN LOCKABLE METAL CABINET, LOCATE AS DIRECTED BY ARCHITECT.
- LOCATE SPRINKLER HEADS SYMMETRICALLY WITHIN EACH AREA; COORDINATE WITH LIGHT FIXTURES, PLUMBING PIPES AND STRUCTURAL BEAMS.
- HEAVY WIRE GUARDS SHALL BE PROVIDED FOR SPRINKLER HEADS LOCATED WHERE SUBJECT TO BEING ACCIDENTALLY HIT.
- PROVIDE DEFLECTORS TO KEEP SYSTEM FROM DISCHARGING ON ELECTRICAL PANELS, EQUIPMENT, ETC.
- PROVIDE ALL ACCESS PANELS, IDENTIFICATION TAGS, AND SIGNS, ETC. COORDINATE LOCATIONS WITH ARCHITECT.
- PRIOR TO COMMENCEMENT OF WORK, VERIFY MEASUREMENTS AT BUILDING SITE. SUBMIT DISCREPANCIES AND DIFFERENCES TO ARCHITECT FOR CONSIDERATION AND DECISION BEFORE PROCEEDING.
- OBTAIN FULL INFORMATION REGARDING PECULIARITIES AND LIMITATIONS OF SPACE AVAILABLE FOR INSTALLATION OF THE EQUIPMENT AND MATERIALS UNDER CONTRACT AND PROVIDE READY ACCESSIBILITY TO VALVES, SWITCHES, AND OTHER APPARATUS, INCLUDING ANY PART OF THE SYSTEM REQUIRED TO BE REACHED FOR MAINTENANCE AND OPERATIONS.
- CUT ALL OPENINGS AND CHASES REQUIRED TO ACCOMMODATE THE FIRE PROTECTION WORK, AND REPAIR ALL FLOORS, WALLS, ETC. DAMAGED BY SUCH CUTTINGS. ALL WORK DONE UNDER THIS HEADING MUST CONFORM IN EVERY RESPECT WITH THE ARCHITECTURAL, STRUCTURAL, AND FIRE RATING REQUIREMENTS AND TO FINISH AND QUALITY OF MATERIALS AND WORKMANSHIP REQUIRED OF APPLICABLE TRADES FOR THE BUILDING.
- SUBMIT SHOP DRAWINGS OF ALL MATERIALS, EQUIPMENT AND SYSTEMS TO THE OWNER'S AND TENANT'S INSURANCE AGENCIES AND ALL AUTHORITIES HAVING JURISDICTION AND OBTAIN THEIR APPROVAL AND/OR PERMIT PRIOR TO SUBMITTING THE SHOP DRAWINGS TO THE ARCHITECT OF RECORD AND PROCEEDING WITH PROCUREMENT AND INSTALLATION.
- PROVIDE ADEQUATE HEADROOM AND SPACE FOR INSTALLATION OF PLUMBING PIPES, HVAC DUCTS, PIPING AND EQUIPMENT, LIGHTING, ETC. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES WITH OTHER TRADES.
- PROVIDE PROTECTION FOR HEADS AND SYSTEMS DURING COURSE OF WORK BY OTHER TRADES. REPLACE ANY DAMAGED HEADS AND EQUIPMENT PRIOR TO ACCEPTANCE OF SYSTEMS.
- GENERAL CONTRACTOR AND FIRE PROTECTION CONTRACTOR SHALL EACH GUARANTEE ALL FIRE PROTECTION SYSTEM MATERIALS AND WORKMANSHIP FREE FROM DEFECT FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
- THE CONTRACTOR SHALL PROVIDE A COMPLETE FIRE PROTECTION SHOP DRAWING SUBMITTAL TO THE ENGINEER FOR REVIEW AND APPROVAL. THE FIRE PROTECTION SUBMITTAL SHALL INCLUDE ALL PIPE, HEADS ETC. CONTRACTOR SHALL NOT ORDER ANY FIRE PROTECTION EQUIPMENT UNTIL THIS SUBMITTAL IS REVIEWED AND ACCEPTED BY THE ENGINEER OF RECORD. CONTRACTOR SHALL SUBMIT THE SHOP DRAWING AS ONE COMPLETE SUBMITTAL AND SHALL NOT PIECE MEAL THE SUBMITTAL SPREAD OUT OVER THE COURSE OF DAYS AND WEEKS. FAILURE TO SUBMIT A COMPLETE HVAC SHOP DRAWING SUBMITTAL SHALL RESULT IN AN IMMEDIATE REJECTION OF THE SHOP DRAWING SUBMITTAL.

FIRE PROTECTION SCOPE OF WORK

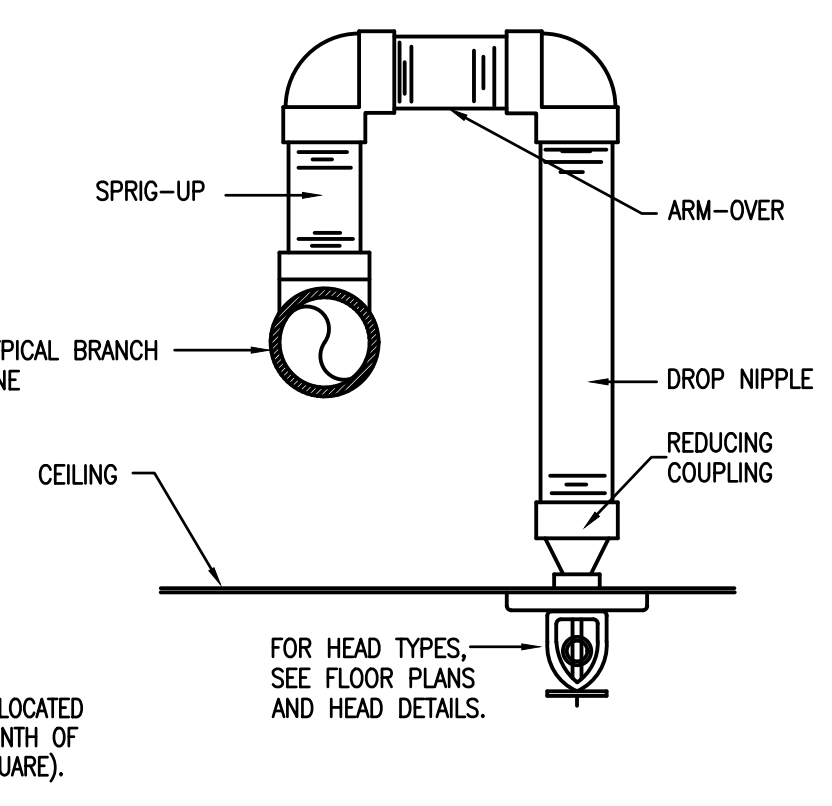
- THE FIRE PROTECTION SCOPE OF WORK FOR THIS PROJECT CONSISTS OF RELOCATION AND ADDITION OF CEILING MOUNTED SPRINKLER HEADS TO ACCOMMODATE FLOOR PLAN CHANGES CREATING NEW ENCLOSED OFFICES OUT OF EXISTING OPEN OFFICE AREAS.



(NOTES: USE IN ALL AREAS WITH CEILINGS, U.N.O.)
RECESSED PENDENT SPRINKLER HEAD
NOT TO SCALE



SPRINKLER HEAD LOCATION DETAIL
NO TO SCALE

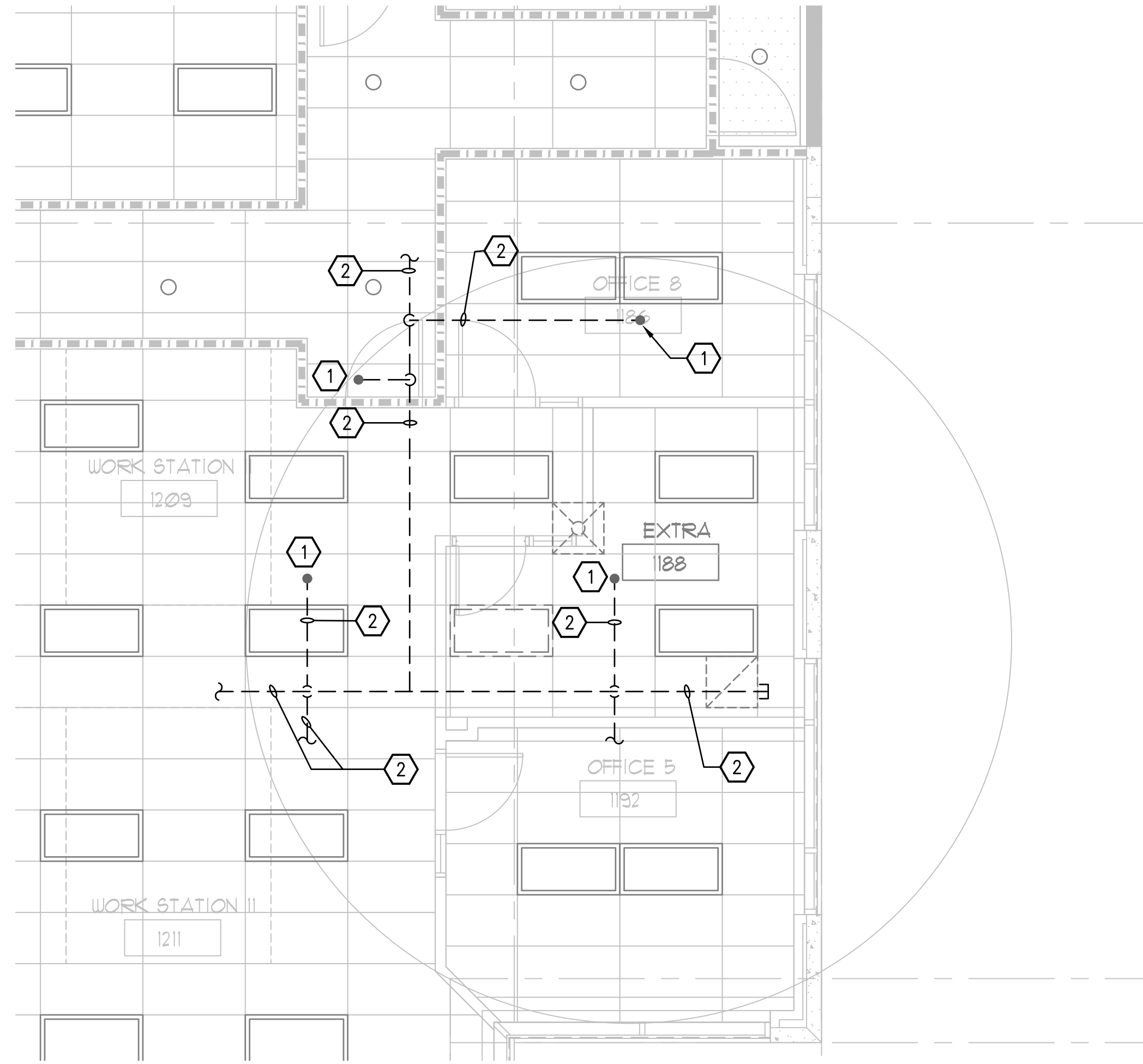


ARM OVER DETAIL
NOT TO SCALE

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

PROJECT NO. 16-166	100% CONST. DOCS	PROJECT ADDRESS	OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
	SCALE 1/4"=0'	DATE	
FILE NAME	G&P FILE	DRAWING TITLE	LEGEND & NOTES - FIRE PROTECTION
DRAWN BY	MB	OWNER NAME AND ADDRESS	ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
CHECKED BY	MB	CONSULTANTS	BORRELLI & PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR 700 VASSAR STREET ORLANDO FL 32804 407-418-1338
DATE	12-18-17	CONSULTANTS	BORRES ASSOCIATES CONSULTING ENGINEERS 100 ORLEANS DRIVE, MAULDEN, FL 32751 FLORIDA STATE P.E. NUMBER: 6131

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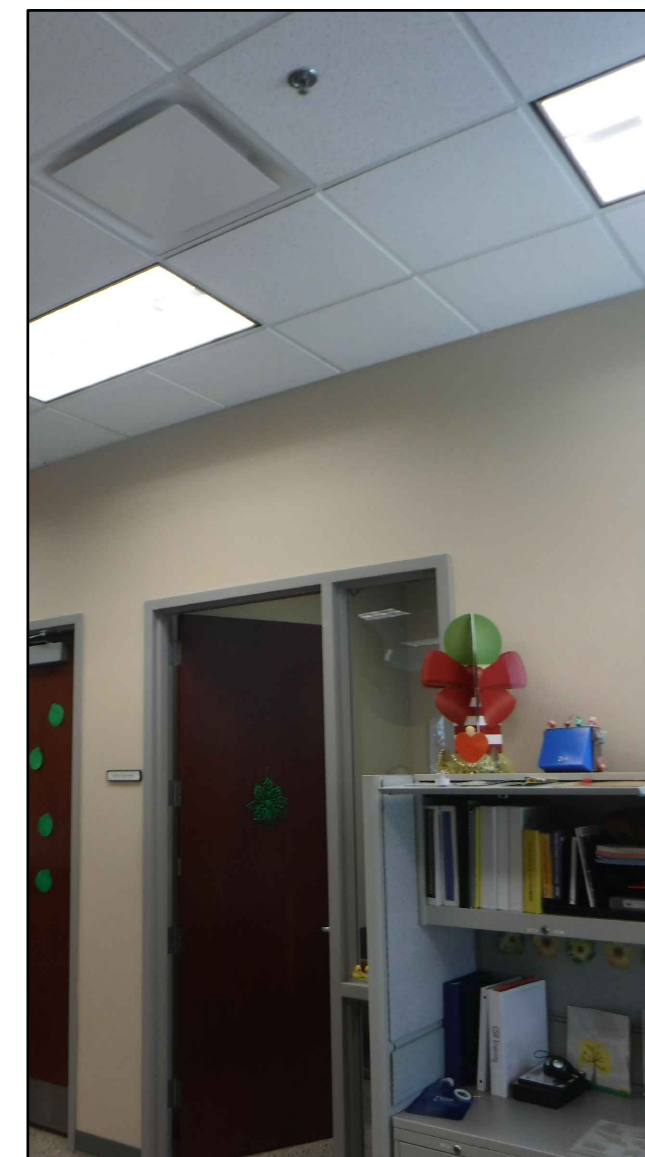
1 1ST FLOOR EXISTING DEMO PLAN - AREA#1 - FIRE PROTECTION
M-101 SCALE: 3/16 = 1'-0"

FIRE PROTECTION KEY NOTES - DEMOLITION

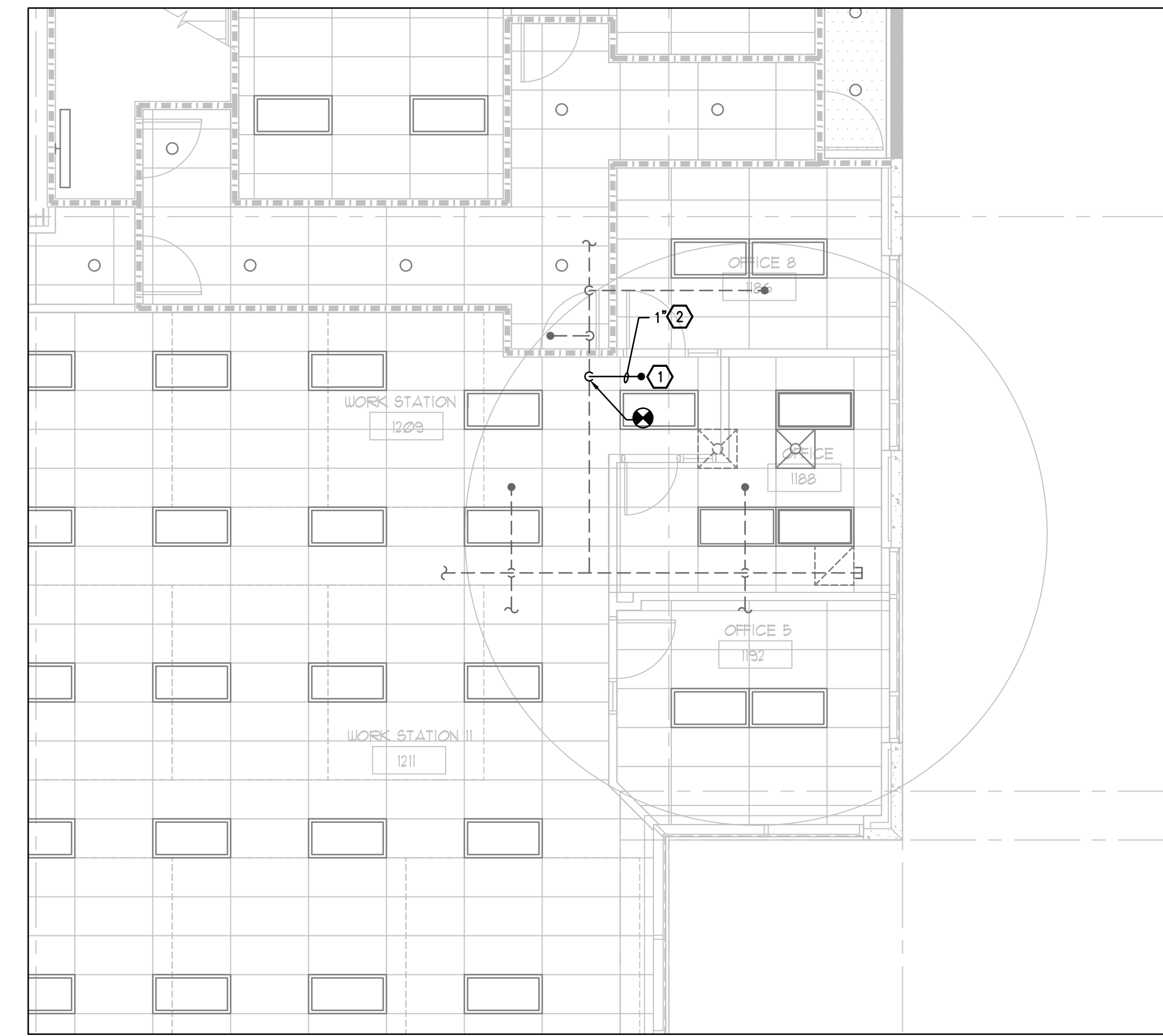
- ① EXISTING CONCEALED PENDENT SPRINKLER HEAD TO REMAIN.
- ② EXISTING SPRINKLER PIPING ABOVE THE CEILING TO REMAIN.

GENERAL NOTES

1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
2. CONTRACTOR TO DRAIN AND RE-FILL EXISTING SPRINKLER SYSTEM AS REQUIRED TO PERFORM THEIR WORK. COORDINATE WITH BUILDING OWNER FOR SHUT-DOWN OF THE BUILDING FIRE PROTECTION SYSTEM. CONTRACTOR SHALL PROVIDE ANY FIRE WATCH DURING FIRE PROTECTION SYSTEM SHUT-DOWN AS REQUIRED BY THE OWNER.



EXISTING FIRE PROTECTION TO BE MODIFIED
NO SCALE



2 1ST FLOOR RENOVATION PLAN - AREA#1 - FIRE PROTECTION
M-101 SCALE: 3/16 = 1'-0"

FIRE PROTECTION KEY NOTES - RENOVATION

- ① NEW CONCEALED SPRINKLER HEAD IN EXISTING LAY-IN CEILING. EXACT LOCATION OF SPRINKLER HEAD SHALL BE DETERMINED IN THE FIELD BY THE FIRE/SPRINKLER CONTRACTOR. CENTER SPRINKLER HEAD IN 2'X2' SECTION OF 2'X4' CEILING TILE.
- ② NEW 1" SPRINKLER PIPE WITH ARM OVER CONNECTED TO EXISTING SPRINKLER BRANCH MAIN ABOVE THE CEILING TILE.

GENERAL NOTES

1. CONTRACTOR TO PROTECT EXISTING FIRE PROTECTION PIPING ABOVE THE CEILING AND ALL EXISTING SPRINKLER HEADS IN THE CEILINGS THROUGHOUT CONSTRUCTION.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

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ARCHITECTURE PLANNING LANDSCAPE INTERIOR
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ORLANDO, FL 32804 407.418.1338
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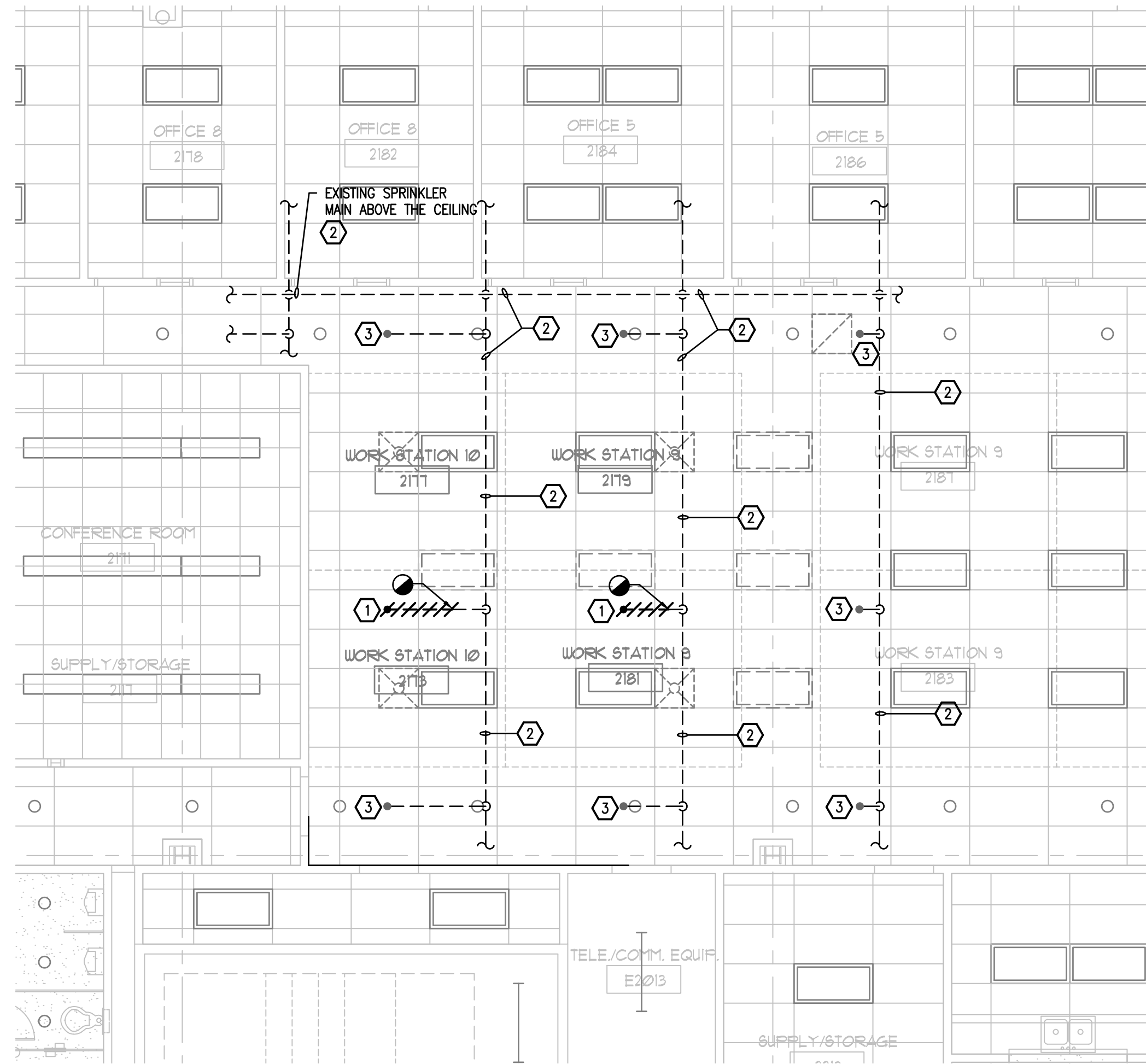
BOBES ASSOCIATES
CONSULTING ENGINEERS
100 CIRCLE DRIVE, MAITLAND, FL 32751
FLORIDA PROFESSIONAL ENGINEERING NO. 12511
FLORIDA STATE P.E. NUMBER: 2131

CONSULTANTS: **BOBES ASSOCIATES**
DRAWING TITLE: **First Floor Plans - Area#1 - Fire Protection**

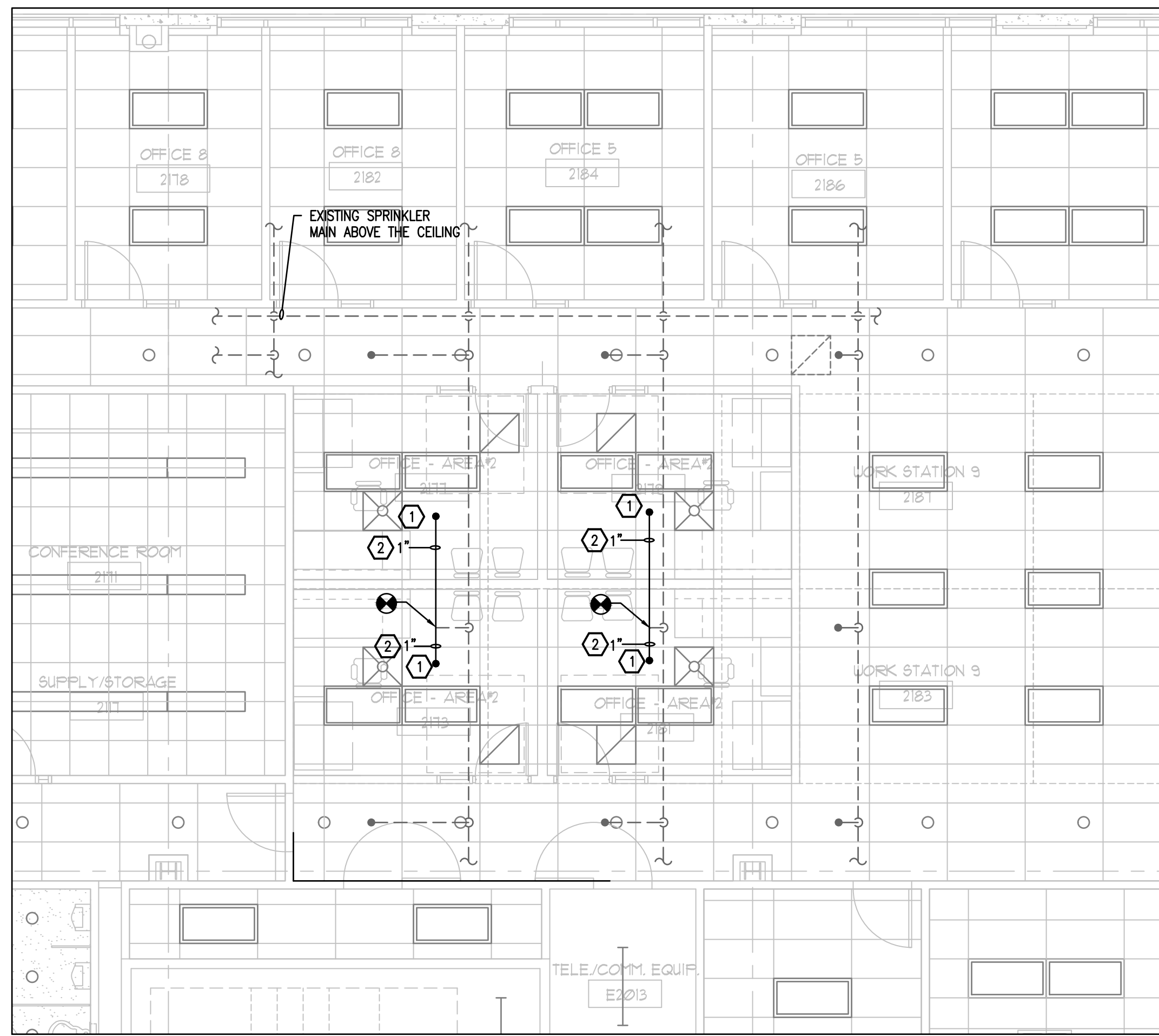
PROJECT ADDRESS: OCU CENTRAL ADMINISTRATION BUILDING
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825
OWNER NAME AND ADDRESS: ORANGE COUNTY UTILITIES
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

REV.	DESCRIPTION	DATE
16-166	100% CONST. DOCS	
	1'-0"	
	CD FILE	
	MB	
	ABJ	
	DATE	12-18-17

FP-101



1 2ND FLOOR EXISTING DEMO PLAN - AREA#2 - FIRE PROTECTION
 FP-102 SCALE: 3/16 = 1'-0"



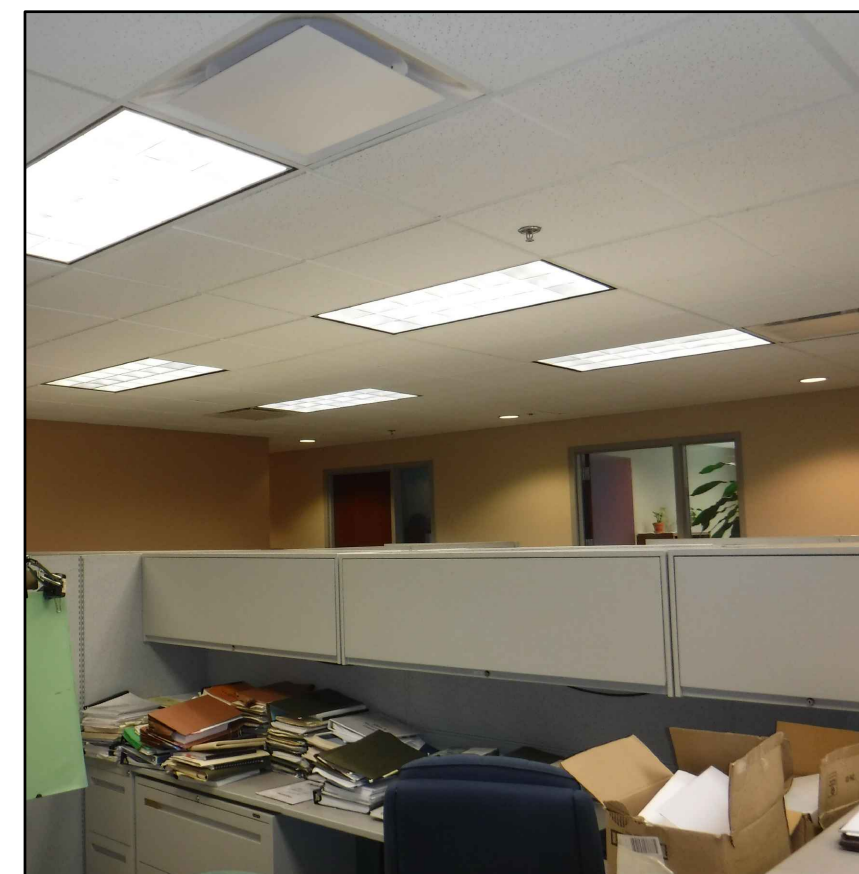
2 2ND FLOOR RENOVATION PLAN - AREA#2 - FIRE PROTECTION
 FP-102 SCALE: 3/16 = 1'-0"

FIRE PROTECTION KEY NOTES - DEMOLITION

- 1 EXISTING CONCEALED PENDENT SPRINKLER HEAD AND ASSOCIATED SPRINKLER PIPING TO BE REMOVED TO POINT INDICATED ON PLAN. TEMPORARILY CAP REMAINING END OF SPRINKLER PIPE.
- 2 EXISTING SPRINKLER PIPING ABOVE THE CEILING TO REMAIN.
- 3 EXISTING CONCEALED PENDENT SPRINKLER HEAD TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
- 2. CONTRACTOR TO DRAIN AND RE-FILL EXISTING SPRINKLER SYSTEM AS REQUIRED TO PERFORM THEIR WORK. COORDINATE WITH BUILDING OWNER FOR SHUT-DOWN OF THE BUILDING FIRE PROTECTION SYSTEM. CONTRACTOR SHALL PROVIDE ANY FIRE WATCH DURING FIRE PROTECTION SYSTEM SHUT-DOWN AS REQUIRED BY THE OWNER.



EXISTING FIRE PROTECTION TO BE MODIFIED
 NO SCALE

FIRE PROTECTION KEY NOTES - RENOVATION

- 1 NEW PENDANT SPRINKLER HEAD IN EXISTING LAY-IN CEILING. EXACT LOCATION OF THE SPRINKLER HEAD SHALL BE DETERMINED IN THE FIELD BY THE FIRE/SPRINKLER CONTRACTOR. CENTER SPRINKLER HEAD IN 2'X2' SECTION OF 2'X4' CEILING.
- 2 NEW 1" SPRINKLER PIPE CONNECTED TO EXISTING REMAINING END OF ARM OVER SPRINKLER PIPE AND TO NEW SPRINKLER HEADS.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING FIRE PROTECTION PIPING ABOVE THE CEILING AND ALL EXISTING SPRINKLER HEADS IN THE CEILINGS THROUGHOUT CONSTRUCTION.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

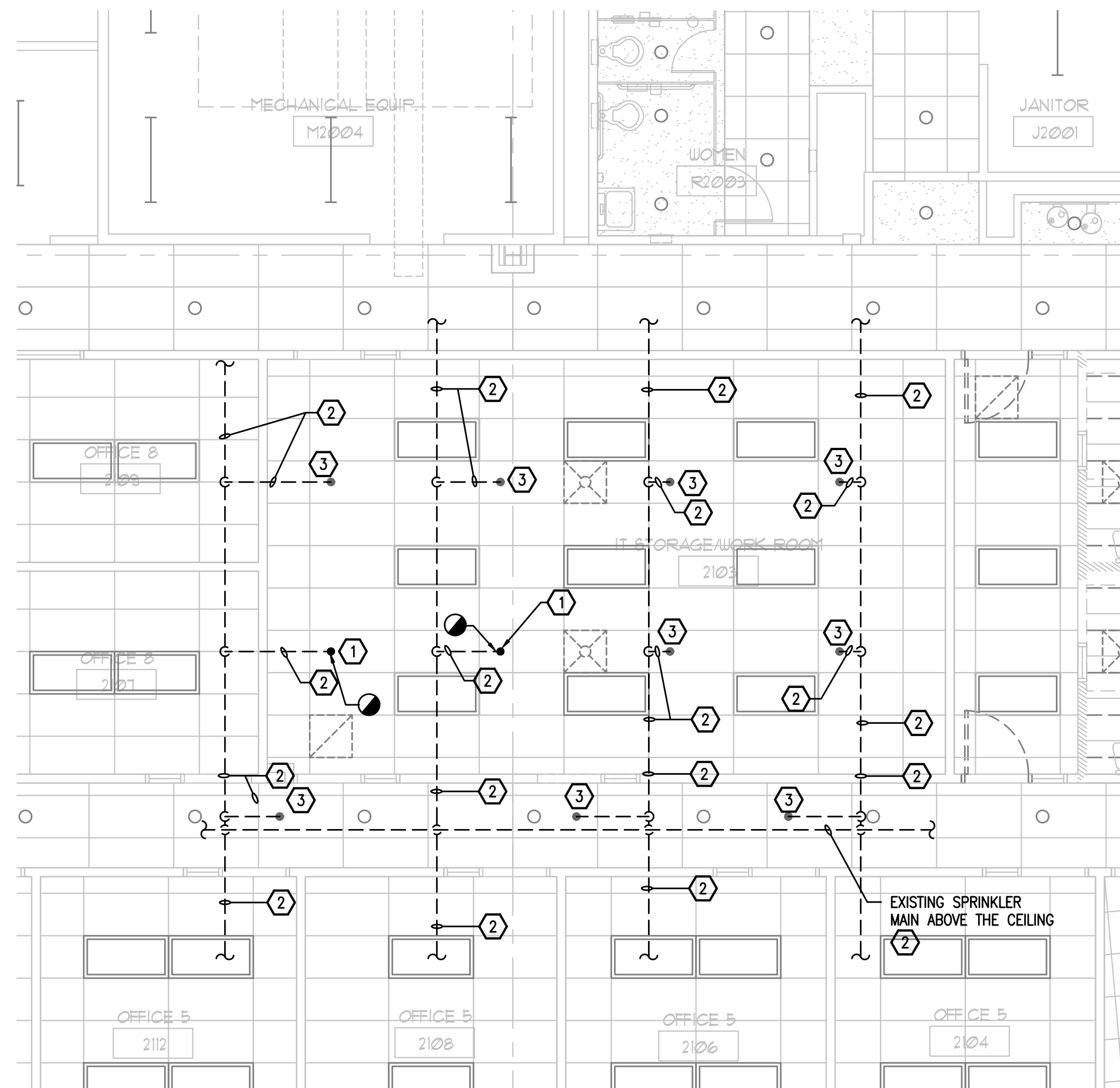
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 ORLANDO, FL 32804 407.418.1338
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 CONSULTING ENGINEERS
 100 ORCHARD DRIVE, SUITE 100
 WINTER HAVEN, FL 33881
 FLORIDA STATE P.E. NUMBER: 0131
 ACCOUNTS: E. BOBES, JR., P.E.
 FLORIDA STATE P.E. # 39410

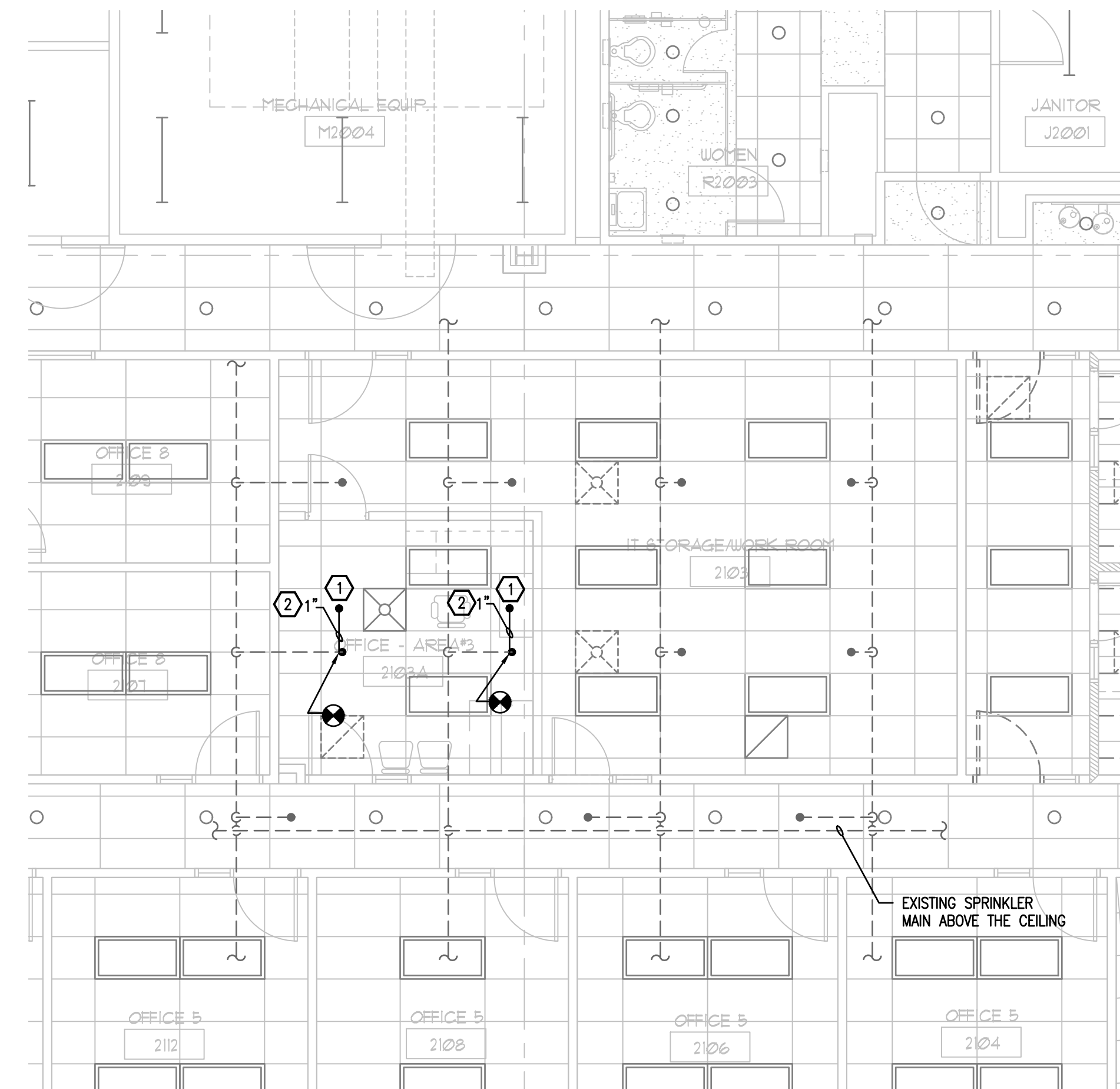
Second Floor Plans - Area#2 - Fire Protection

PROJECT NO.	16-166	PROJECT ADDRESS	OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
PHASE	100% CONST. DOCS	DATE	
SCALE	1'-0"	DESCRIPTION	
FILE NAME	GAD FILE	OWNER NAME AND ADDRESS	ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
DRAWN BY	MB		
CHECKED BY	MB		
DATE	12-18-17		

FP-102



1 2ND FLOOR EXISTING DEMO PLAN - AREA#3 - FIRE PROTECTION
 FP-103 SCALE: 3/16" = 1'-0"



2 2ND FLOOR RENOVATION PLAN - AREA#3 - FIRE PROTECTION
 FP-103 SCALE: 3/16" = 1'-0"

FIRE PROTECTION KEY NOTES - DEMOLITION

- 1 EXISTING CONCEALED PENDENT SPRINKLER HEAD TO BE REMOVED. REMOVE CONNECTING PIPING TO FIRST DROP ELBOW ABOVE THE CEILING. TEMPORARILY CAP REMAINING END OF SPRINKLER PIPING.
- 2 EXISTING SPRINKLER PIPING ABOVE THE CEILING TO REMAIN.
- 3 EXISTING CONCEALED PENDENT SPRINKLER HEAD TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
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EXISTING FIRE PROTECTION TO BE MODIFIED
 NO SCALE

FIRE PROTECTION KEY NOTES - RENOVATION

- 1 NEW CONCEALED SPRINKLER HEAD IN EXISTING LAY-IN CEILING. EXACT LOCATION OF THE SPRINKLER HEAD SHALL BE DETERMINED IN THE FIELD BY THE FIRE/SPRINKLER CONTRACTOR. CENTER SPRINKLER HEAD IN 2'X2' SECTION OF 2'X4' CEILING TILE.
- 2 NEW 1" SPRINKLER PIPE CONNECTED TO EXISTING REMAINING END OF ARM OVER SPRINKLER PIPE AND TO NEW SPRINKLER HEAD.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING FIRE PROTECTION PIPING ABOVE THE CEILING AND ALL EXISTING SPRINKLER HEADS IN THE CEILINGS THROUGHOUT CONSTRUCTION.

INTERIOR MODIFICATIONS AT THE OCJ ADMINISTRATION BUILDING

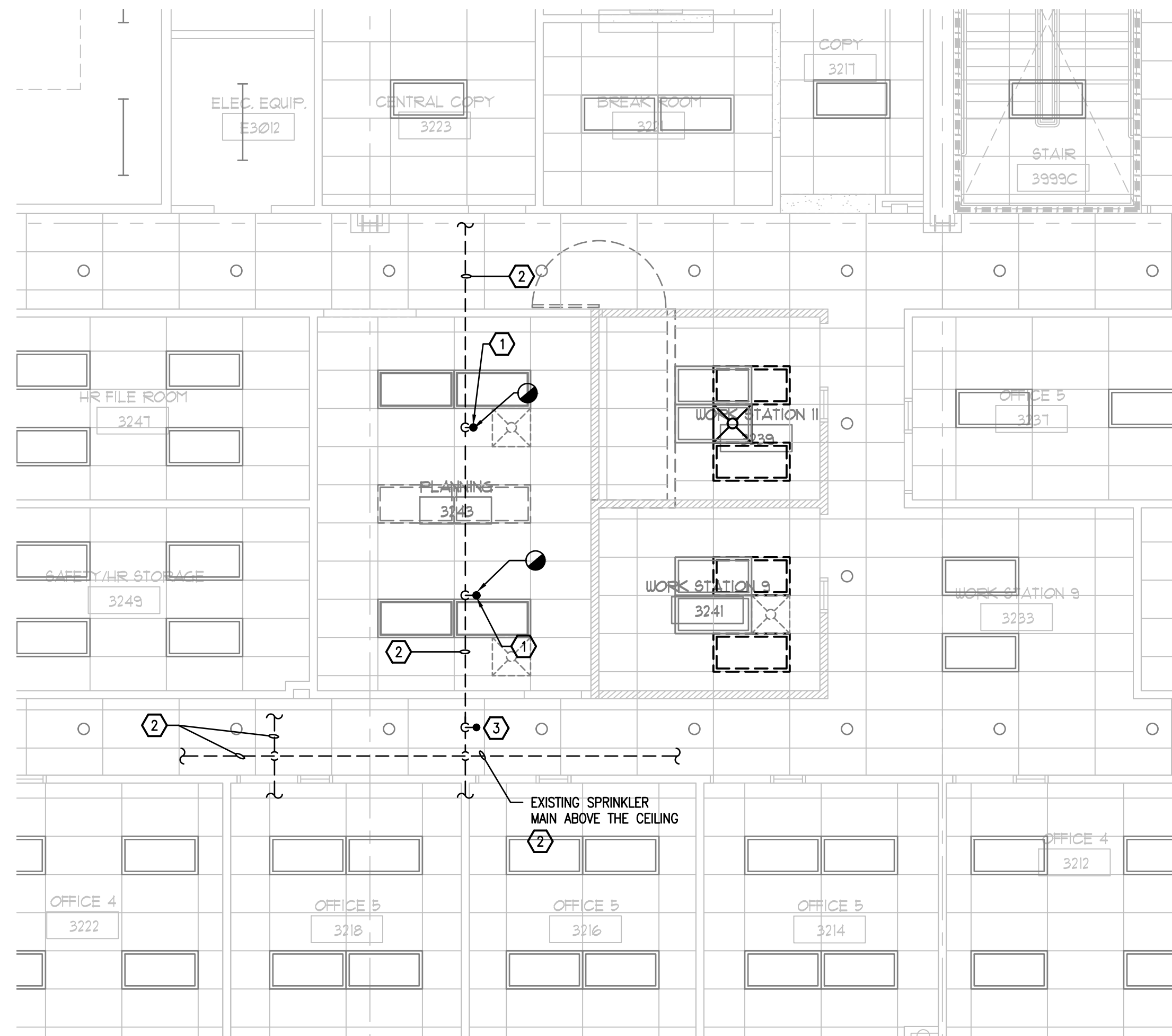
BORRELLI PARTNERS
 ARCHITECTURE PLANNING LANDSCAPE INTERIOR
 730 VASSAR STREET
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 100 ORANGE DRIVE, SUITE 100
 ORLANDO, FLORIDA 32835
 FLORIDA STATE P.E. NUMBER: 3131

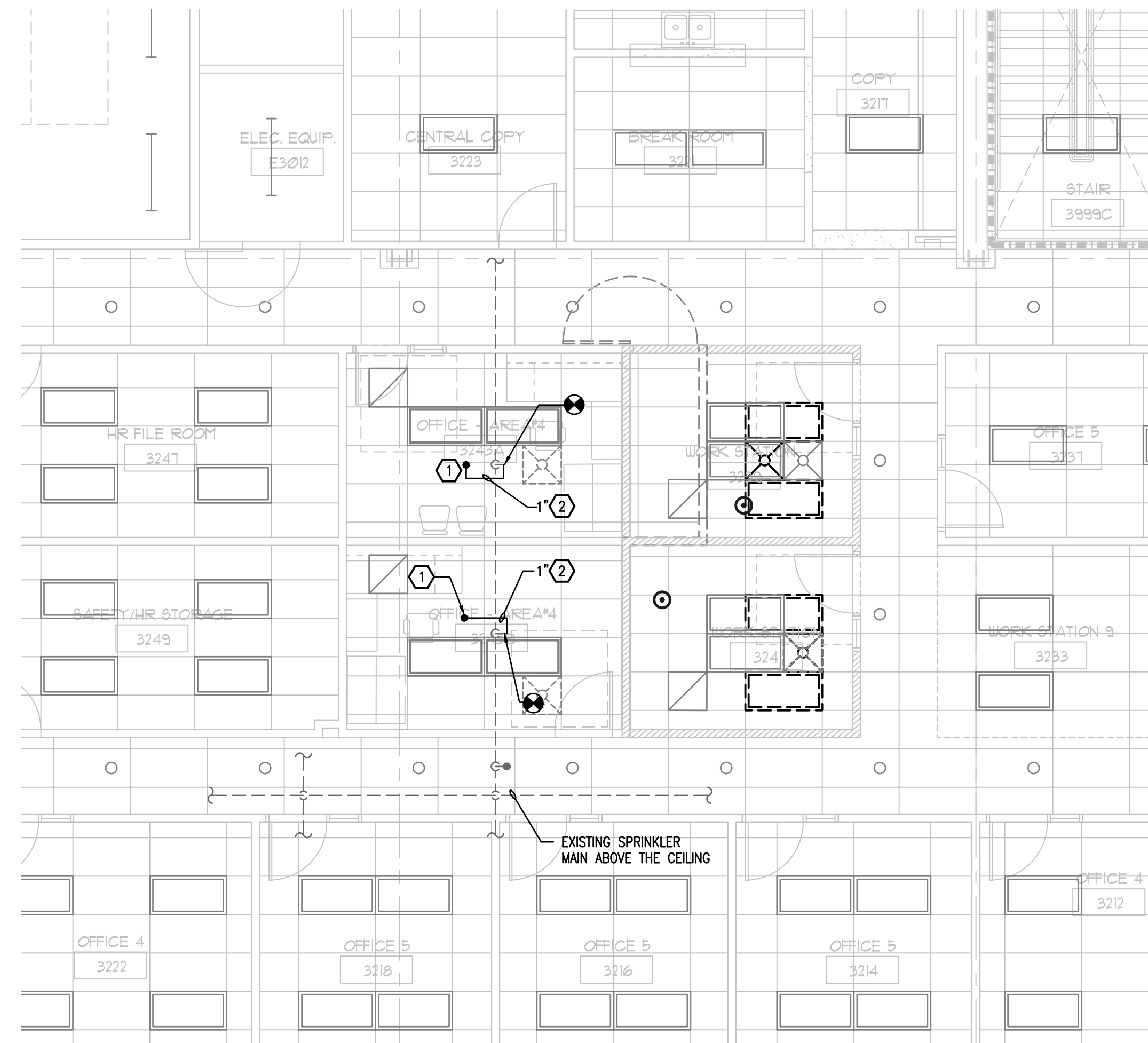
Second Floor Plans - Area#3 - Fire Protection

PROJECT NO.	16-166	PROJECT ADDRESS	OCJ CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32835
PHASE	100% CONST. DOCS	DATE	
SCALE		DESCRIPTION	
FILE NAME	GD FILE	OWNER NAME AND ADDRESS	ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32835
DRAWN BY	MB		
CHECKED BY	MB		
DATE	12-18-17		

FP-103



1 3RD FLOOR EXISTING DEMO PLAN - AREA#4 - FIRE PROTECTION
 FP-104 SCALE: 3/16 = 1'-0"



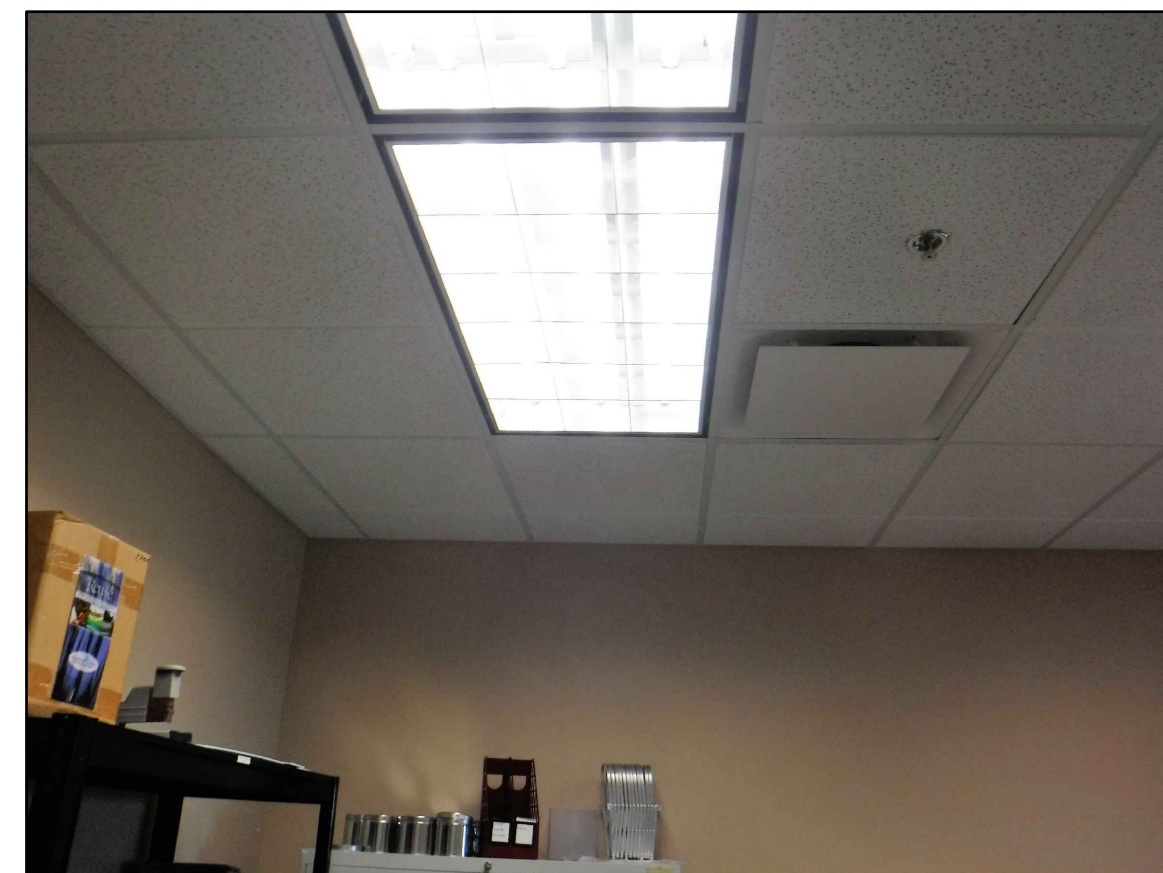
2 3RD FLOOR RENOVATION PLAN - AREA#4 - FIRE PROTECTION
 FP-104 SCALE: 3/16 = 1'-0"

FIRE PROTECTION KEY NOTES - DEMOLITION

- 1 EXISTING CONCEALED PENDENT SPRINKLER HEAD TO BE REMOVED. REMOVE CONNECTING PIPING TO FIRST DROP ELBOW ABOVE THE CEILING. TEMPORARILY CAP REMAINING END OF SPRINKLER PIPING.
- 2 EXISTING SPRINKLER PIPING ABOVE THE CEILING TO REMAIN.
- 3 EXISTING CONCEALED PENDENT SPRINKLER HEAD TO REMAIN.

GENERAL NOTES

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EXISTING FIRE PROTECTION TO BE MODIFIED
 NO SCALE

FIRE PROTECTION KEY NOTES - RENOVATION

- 1 NEW PENDANT SPRINKLER HEAD IN EXISTING LAY-IN CEILING. EXACT LOCATION OF THE SPRINKLER HEAD SHALL BE DETERMINED IN THE FIELD BY THE FIRE/SPRINKLER CONTRACTOR. CENTER SPRINKLER HEAD IN 2'X2' SECTION OF 2'X4' CEILING TILE.
- 2 NEW 1" SPRINKLER PIPE CONNECTED TO EXISTING REMAINING END OF ARM OVER SPRINKLER PIPE AND TO NEW CONCEALED SPRINKLER HEAD.

GENERAL NOTES

1. CONTRACTOR TO PROTECT EXISTING FIRE PROTECTION PIPING ABOVE THE CEILING AND ALL EXISTING SPRINKLER HEADS IN THE CEILINGS THROUGHOUT CONSTRUCTION.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

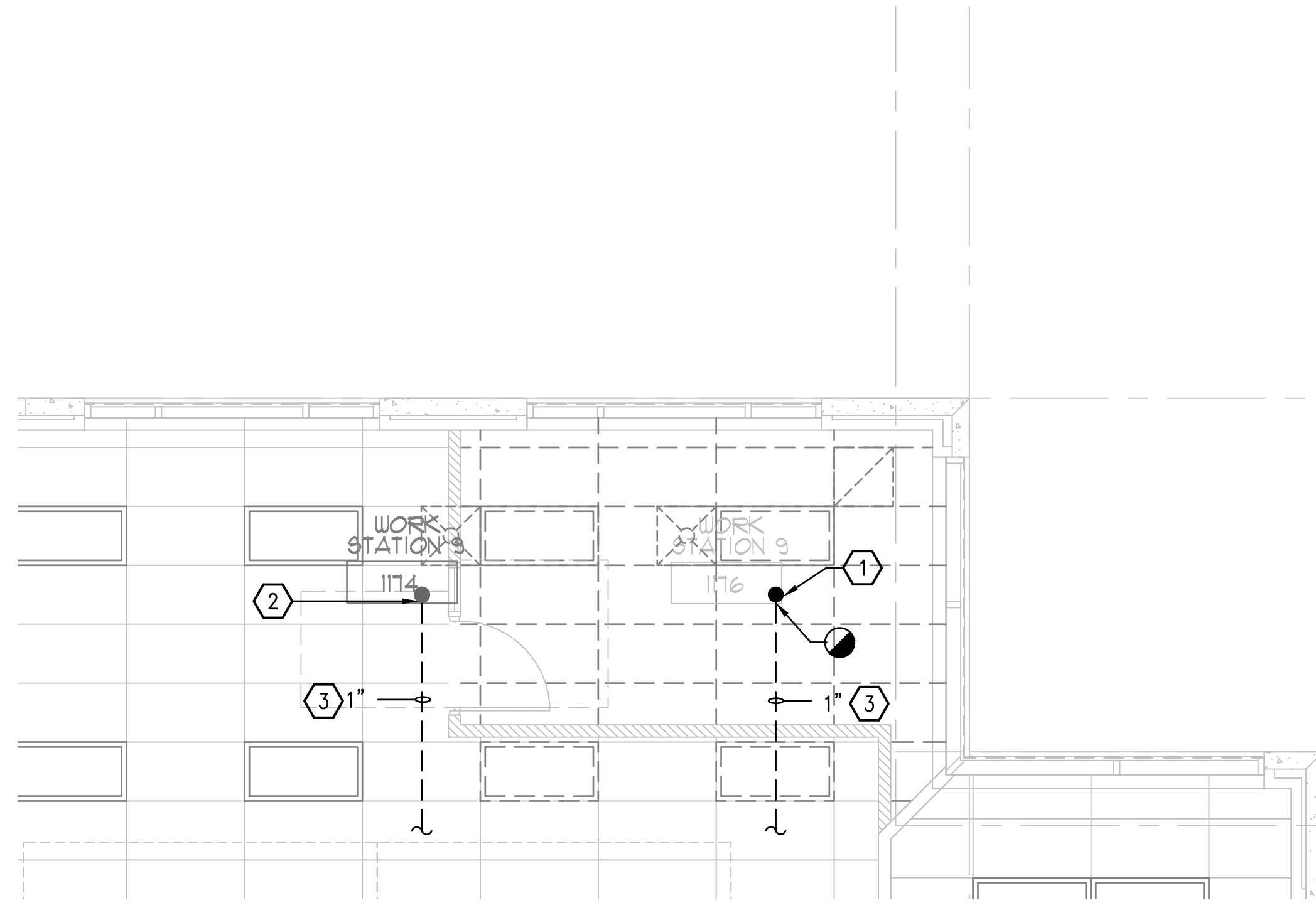
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 CONSULTING ENGINEERS
 100 ORCHARD DRIVE, SUITE 100
 ORLANDO, FL 32811
 FLORIDA STATE P.E. NUMBER: 3131

Third Floor Plan - Area#4 - Fire Protection

PROJECT NO.	16-166	DESCRIPTION	OCU CENTRAL ADMINISTRATION BUILDING
PHASE	100% CONST. DOCS	DATE	9/15/2016
SCALE	1'-0"	PROJECT ADDRESS	9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
FILE NAME	GAD FILE	OWNER NAME AND ADDRESS	ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
DRAWN BY	MB		
CHECKED BY	MB		
DATE	12/18/17		

FP-104



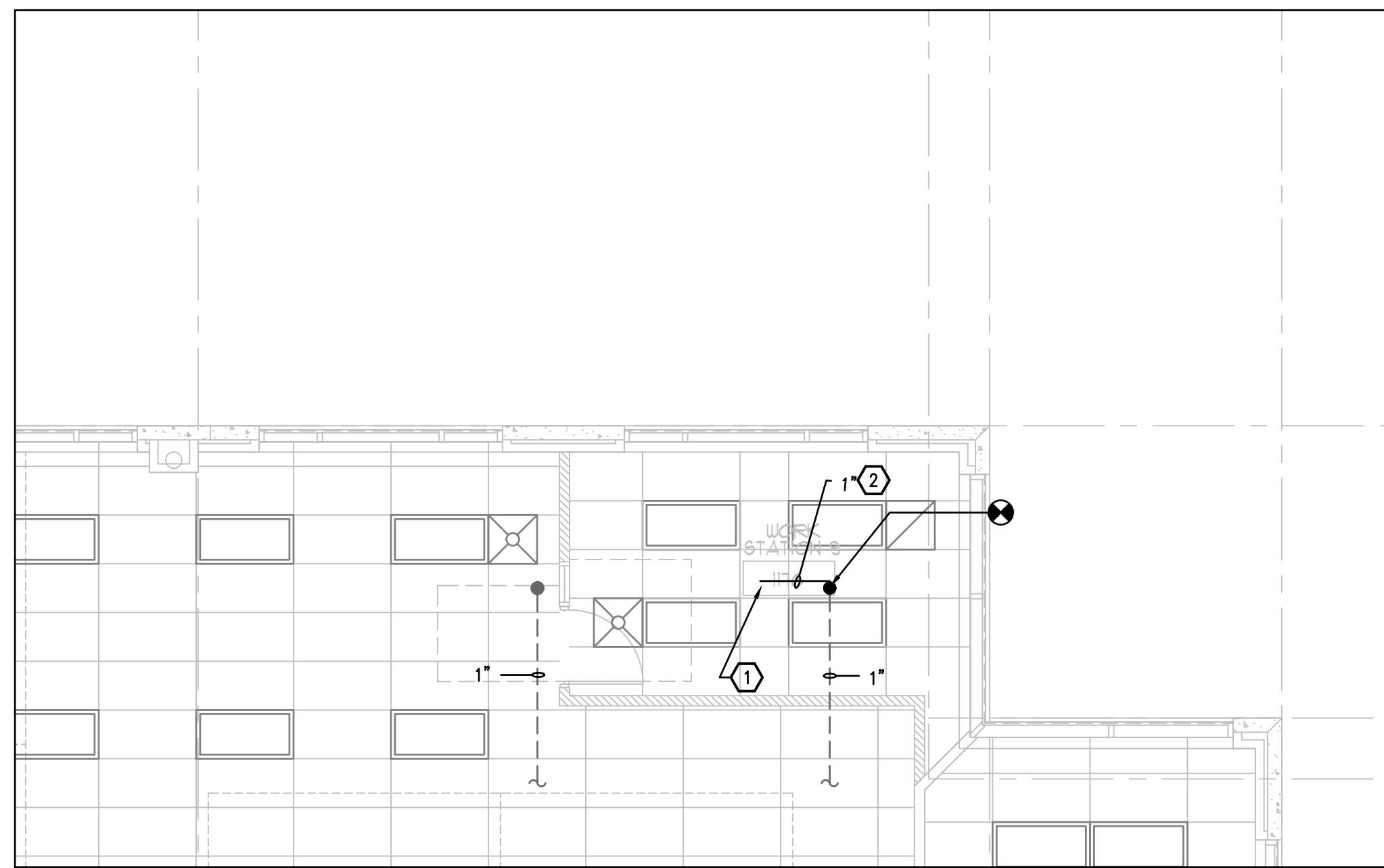
1 1ST FLOOR EXISTING DEMO PLAN - AREA#5 - FIRE PROTECTION
M-101 SCALE: 3/16 = 1'-0"

FIRE PROTECTION KEY NOTES - DEMOLITION

- 1 EXISTING CONCEALED SPRINKLER HEAD TO BE REMOVED. CONTRACTOR TO TEMPORARILY CAP REMAINING END OF SPRINKLER PIPE ABOVE THE CEILING.
- 2 EXISTING CONCEALED PENDENT SPRINKLER HEAD TO REMAIN.
- 3 EXISTING SPRINKLER PIPING ABOVE THE CEILING TO REMAIN.

GENERAL NOTES

1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
2. CONTRACTOR TO DRAIN AND RE-FILL EXISTING SPRINKLER SYSTEM AS REQUIRED TO PERFORM THEIR WORK. COORDINATE WITH BUILDING OWNER FOR SHUT-DOWN OF THE BUILDING FIRE PROTECTION SYSTEM. CONTRACTOR SHALL PROVIDE ANY FIRE WATCH DURING FIRE PROTECTION SYSTEM SHUT-DOWN AS REQUIRED BY THE OWNER.



2 1ST FLOOR RENOVATION PLAN - AREA#5 - FIRE PROTECTION
M-101 SCALE: 3/16 = 1'-0"

FIRE PROTECTION KEY NOTES - RENOVATION

- 1 NEW PENDANT SPRINKLER HEAD IN NEW LAY-IN CEILING. EXACT LOCATION OF SPRINKLER HEAD SHALL BE DETERMINED IN THE FIELD BY THE FIRE/SPRINKLER CONTRACTOR. CENTER SPRINKLER HEAD IN 2'X2' SECTION OF 2'X4' CEILING TILE.
- 2 NEW 1" SPRINKLER PIPE CONNECTED TO REMAINING END OF THE EXISTING SPRINKLER BRANCH MAIN ABOVE THE CEILING AND NEW CONCEALED SPRINKLER HEAD.

GENERAL NOTES

1. CONTRACTOR TO PROTECT EXISTING FIRE PROTECTION PIPING ABOVE THE CEILING AND ALL EXISTING SPRINKLER HEADS IN THE CEILINGS THROUGHOUT CONSTRUCTION.

INTERIOR MODIFICATIONS AT THE OCJ ADMINISTRATION BUILDING

PROJECT NO.	16-166
PHASE	100% CONST. DOCS
SCALE	1'-0"
FILE NAME	GD FILE
DRAWN BY	MB
CHECKED BY	MB
DATE	12-18-17

REV.	DESCRIPTION	DATE

PROJECT ADDRESS: OCJ CENTRAL ADMINISTRATION BUILDING
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

OWNER NAME AND ADDRESS:
ORANGE COUNTY UTILITIES
9150 CURRY FORD ROAD
ORLANDO, FLORIDA 32825

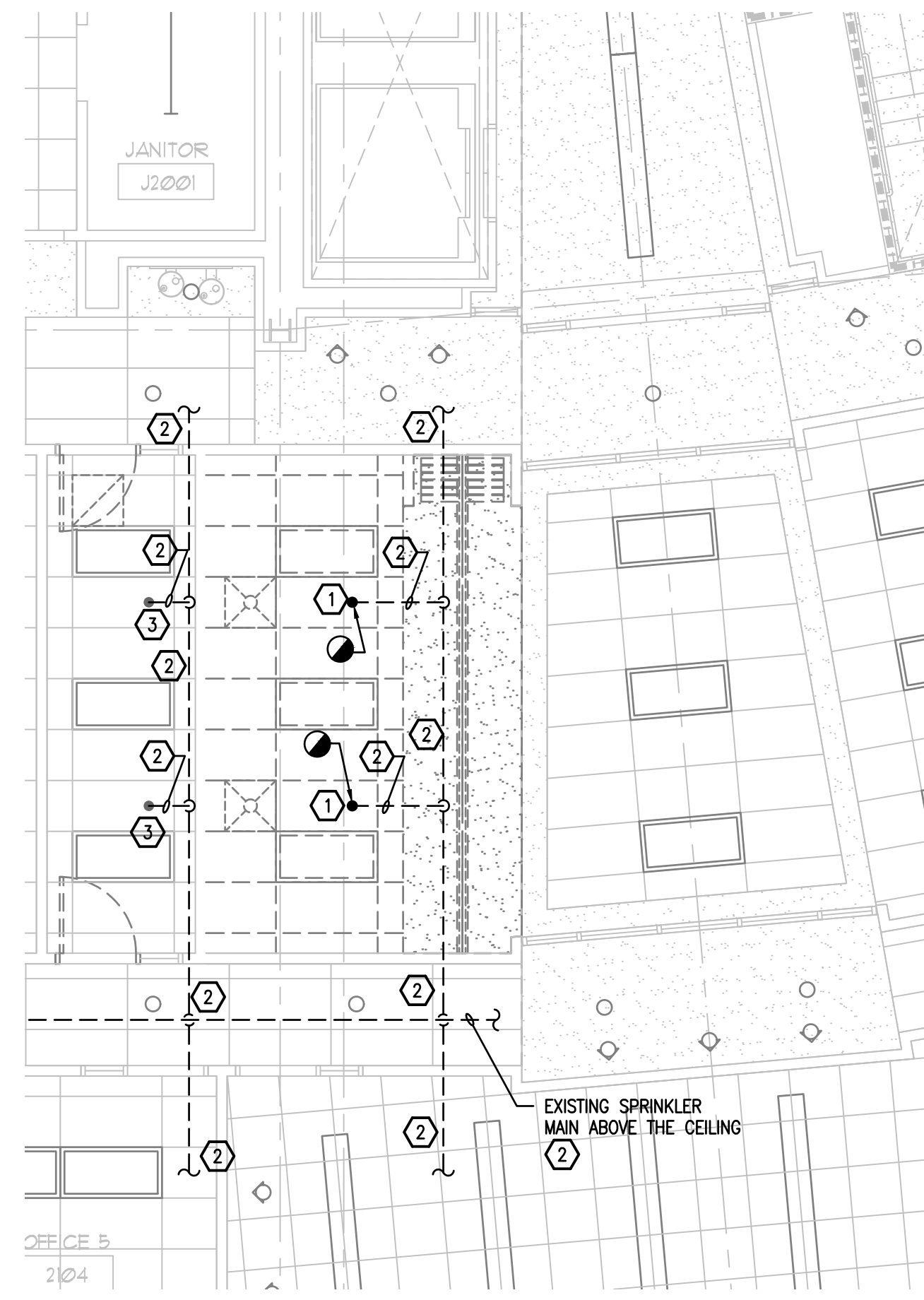
DRAWING TITLE: First Floor Plans - Area#5 - Fire Protection

CONSULTANTS: BOBES ASSOCIATES CONSULTING ENGINEERS
100 CIRCLE DRIVE, MAITLAND, FL 32751
FLORIDA STATE P.E. NUMBER: 2131

SIGNATURE AND DATED SEAL: ALBERTO E. BOBES JR., P.E.
FLORIDA STATE P.E. # 39410

BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR
720 VASSAR STREET
ORLANDO, FL 32804 407.418.1338
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FP-106



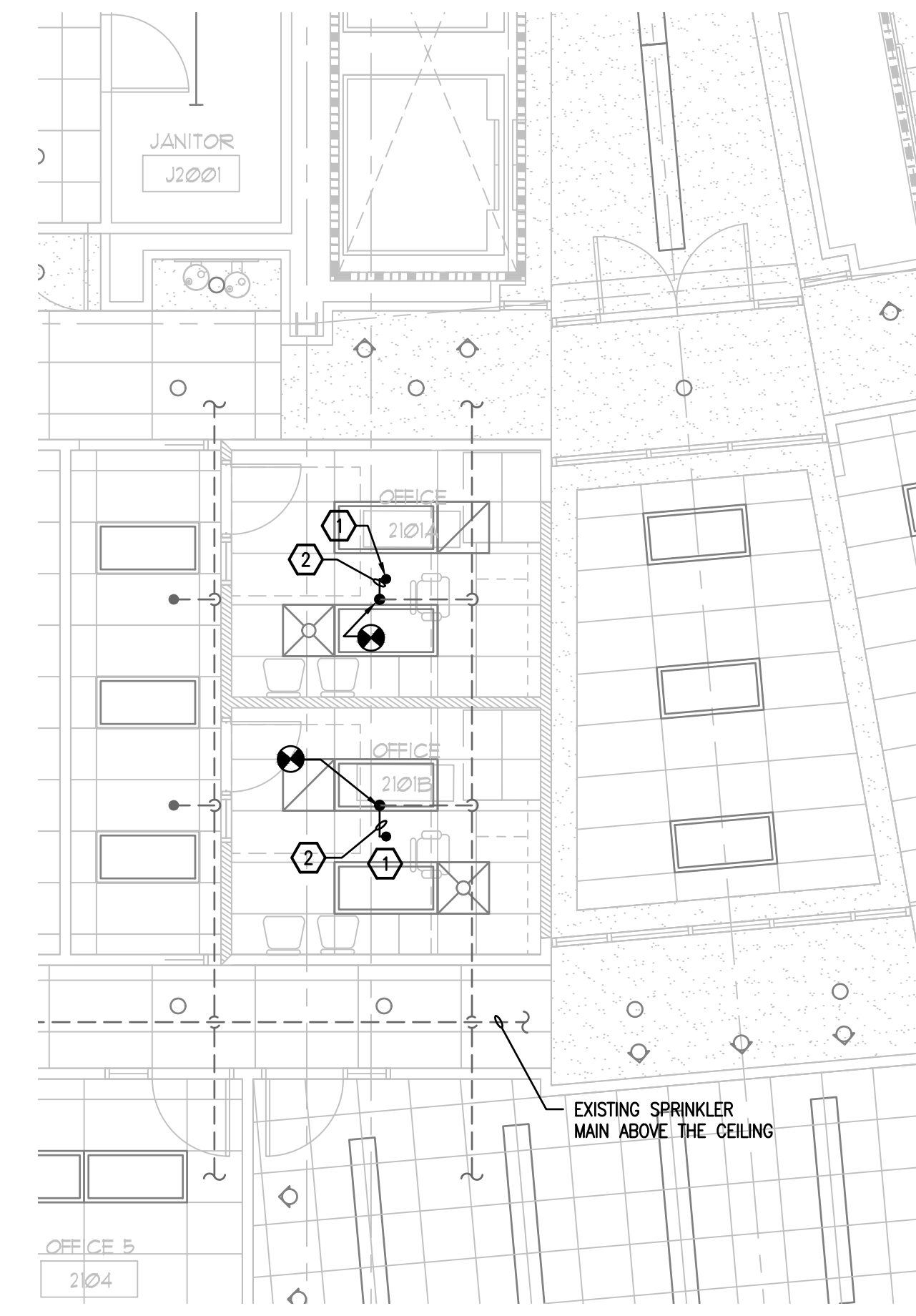
1 2ND FLOOR EXISTING DEMO PLAN - AREA#3 - FIRE PROTECTION
 FP-107 SCALE: 3/16 = 1'-0"

FIRE PROTECTION KEY NOTES - DEMOLITION

- 1 EXISTING CONCEALED PENDENT SPRINKLER HEAD TO BE REMOVED. REMOVE CONNECTING PIPING TO FIRST DROP ELBOW ABOVE THE CEILING. TEMPORARILY CAP REMAINING END OF SPRINKLER PIPING.
- 2 EXISTING SPRINKLER PIPING ABOVE THE CEILING TO REMAIN.
- 3 EXISTING CONCEALED PENDENT SPRINKLER HEAD TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
- 2. CONTRACTOR TO DRAIN AND RE-FILL EXISTING SPRINKLER SYSTEM AS REQUIRED TO PERFORM THEIR WORK. COORDINATE WITH BUILDING OWNER FOR SHUT-DOWN OF THE BUILDING FIRE PROTECTION SYSTEM. CONTRACTOR SHALL PROVIDE ANY FIRE WATCH DURING FIRE PROTECTION SYSTEM SHUT-DOWN AS REQUIRED BY THE OWNER.



2 2ND FLOOR RENOVATION PLAN - AREA#6 - FIRE PROTECTION
 FP-107 SCALE: 3/16 = 1'-0"

FIRE PROTECTION KEY NOTES - RENOVATION

- 1 NEW CONCEALED SPRINKLER HEAD IN NEW LAY-IN CEILING. EXACT LOCATION OF THE SPRINKLER HEAD SHALL BE DETERMINED IN THE FIELD BY THE FIRE/SPRINKLER CONTRACTOR. CENTER SPRINKLER HEAD IN 2'X2' SECTION OF 2'X4' CEILING TILE.
- 2 NEW 1" SPRINKLER PIPE CONNECTED TO EXISTING REMAINING END OF ARM OVER SPRINKLER PIPE AND NEW CONCEALED SPRINKLER HEAD.

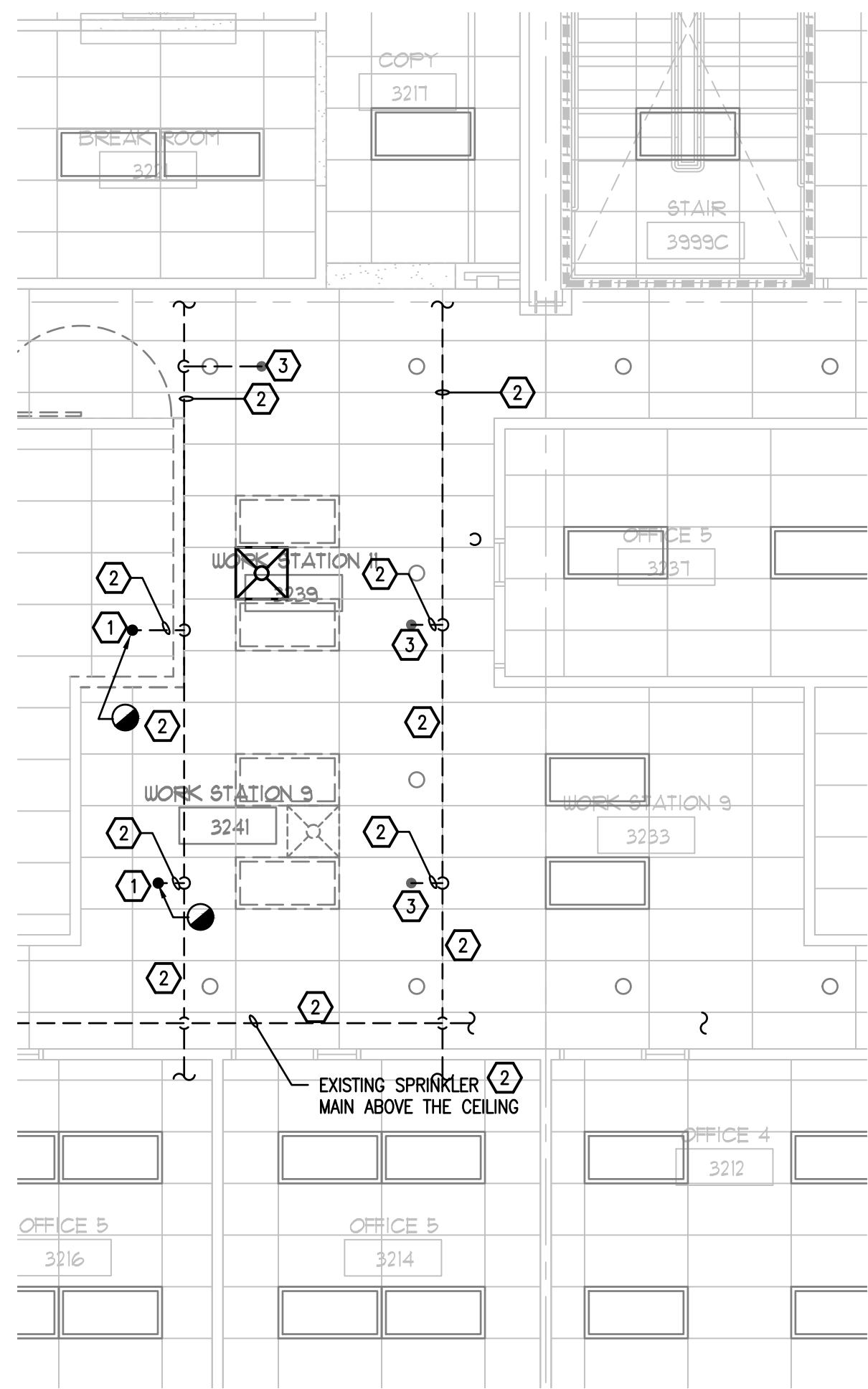
GENERAL NOTES

- 1. CONTRACTOR TO PROTECT EXISTING FIRE PROTECTION PIPING ABOVE THE CEILING AND ALL EXISTING SPRINKLER HEADS IN THE CEILINGS THROUGHOUT CONSTRUCTION.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

	FP-107	12/18/17	100% CONST. DOCS	16-166	REV.	DESCRIPTION	DATE	PROJECT ADDRESS OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825	DRAWING TITLE Second Floor Plans - Area#6 - Fire Protection	CONSULTANTS BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR 730 VASSAR STREET ORLANDO, FL 32804 407 418-1338	CONTRACTOR BOBES ASSOCIATES CONSULTING ENGINEERS 100 ORCHARD DRIVE, MAITLAND, FL 32751 FLORIDA PROFESSIONAL ENGINEERING NO. 12517 FLORIDA STATE P.E. NUMBER: 2131	OWNER NAME AND ADDRESS ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825	SIGNATURE AND DATED SEAL ACCREDITED E. BOBES JR., P.E. FLORIDA P.E. # 39410
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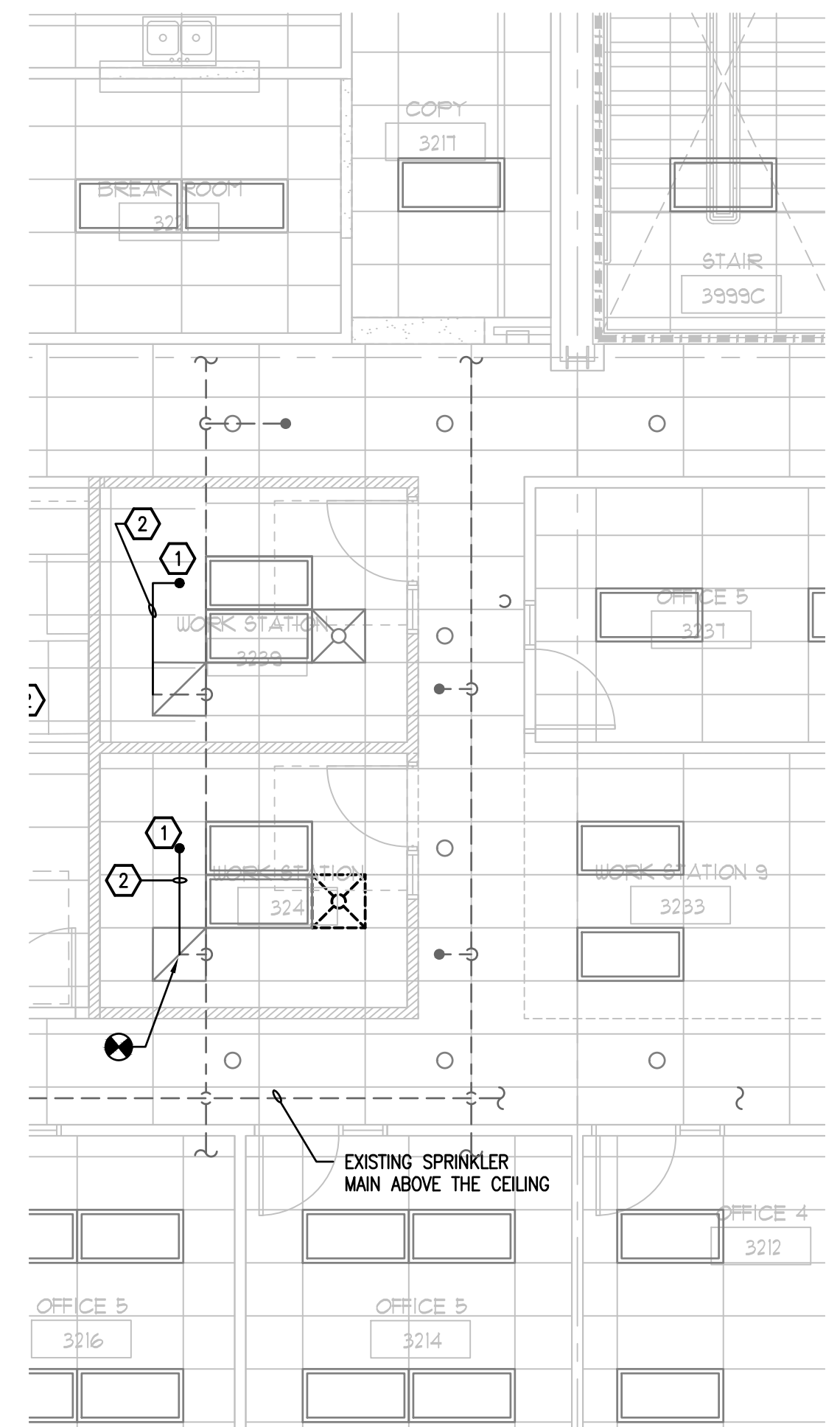
1 3RD FLOOR EXISTING DEMO PLAN - AREA#7 - FIRE PROTECTION
 FP-104 SCALE: 3/16 = 1'-0"

FIRE PROTECTION KEY NOTES - DEMOLITION

- 1 EXISTING CONCEALED PENDENT SPRINKLER HEAD TO BE REMOVED. REMOVE CONNECTING PIPING TO FIRST DROP ELBOW ABOVE THE CEILING. TEMPORARILY CAP REMAINING END OF SPRINKLER PIPING.
- 2 EXISTING SPRINKLER PIPING ABOVE THE CEILING TO REMAIN.
- 3 EXISTING CONCEALED PENDENT SPRINKLER HEAD TO REMAIN.

GENERAL NOTES

1. CONTRACTOR TO PROTECT EXISTING WALLS, FLOORS, DOORS AND FURNITURE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OR FURNITURE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
2. CONTRACTOR TO DRAIN AND RE-FILL EXISTING SPRINKLER SYSTEM AS REQUIRED TO PERFORM THEIR WORK. COORDINATE WITH BUILDING OWNER FOR SHUT-DOWN OF THE BUILDING FIRE PROTECTION SYSTEM. CONTRACTOR SHALL PROVIDE ANY FIRE WATCH DURING FIRE PROTECTION SYSTEM SHUT-DOWN AS REQUIRED BY THE OWNER.



2 3RD FLOOR RENOVATION PLAN - AREA#7 - FIRE PROTECTION
 FP-104 SCALE: 3/16 = 1'-0"

FIRE PROTECTION KEY NOTES - RENOVATION

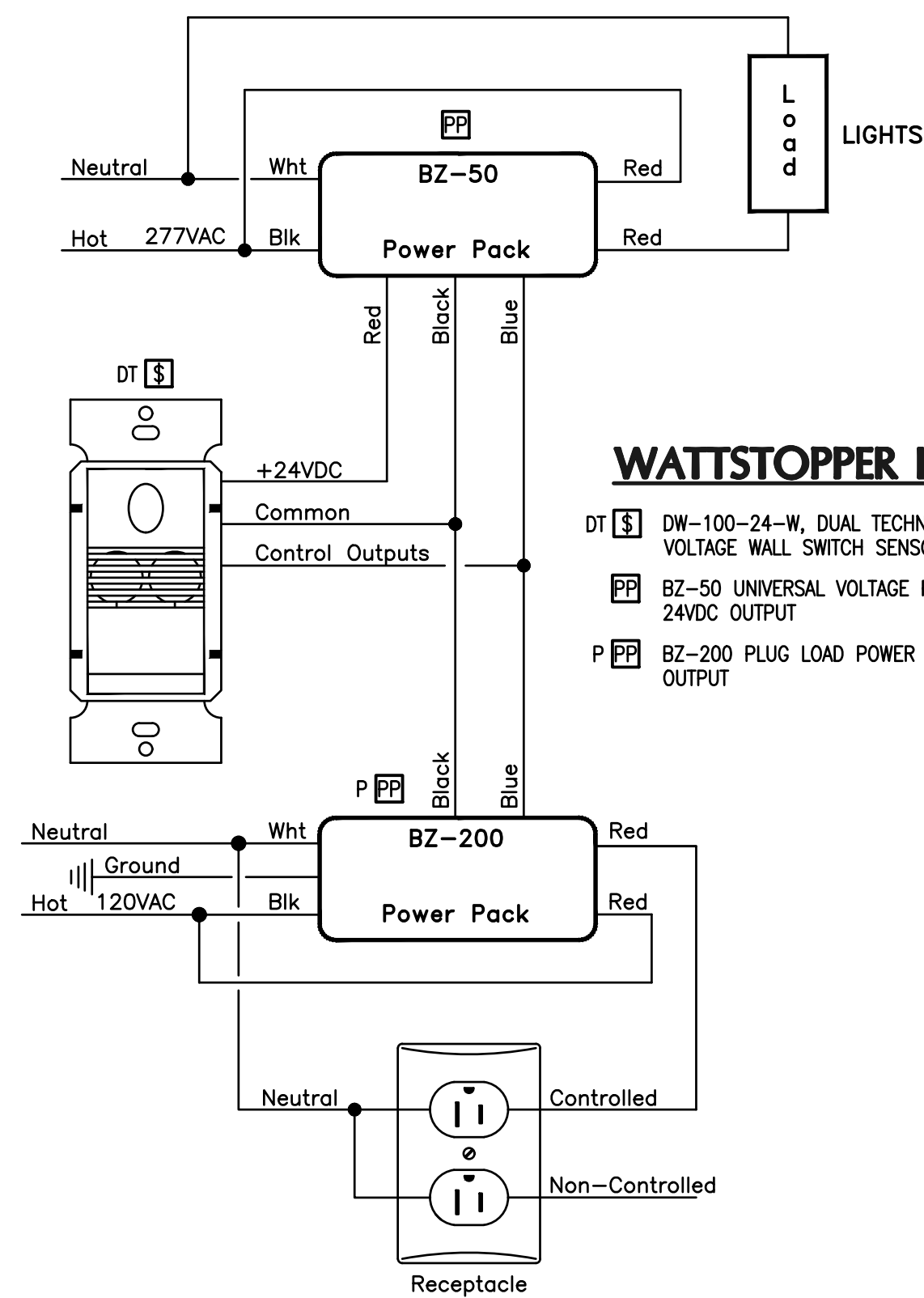
- 1 NEW PENDANT SPRINKLER HEAD IN NEW LAY-IN CEILING. EXACT LOCATION OF SPRINKLER HEAD SHALL BE DETERMINED IN THE FIELD BY THE FIRE/SPRINKLER CONTRACTOR. CENTER THE SPRINKLER HEAD IN 2'X2' SECTION OF 2'X4' CEILING TILE.
- 2 NEW 1" SPRINKLER PIPE CONNECTED TO EXISTING REMAINING END OF ARM OVER SPRINKLER PIPE AND NEW CONCEALED SPRINKLER HEAD.

GENERAL NOTES

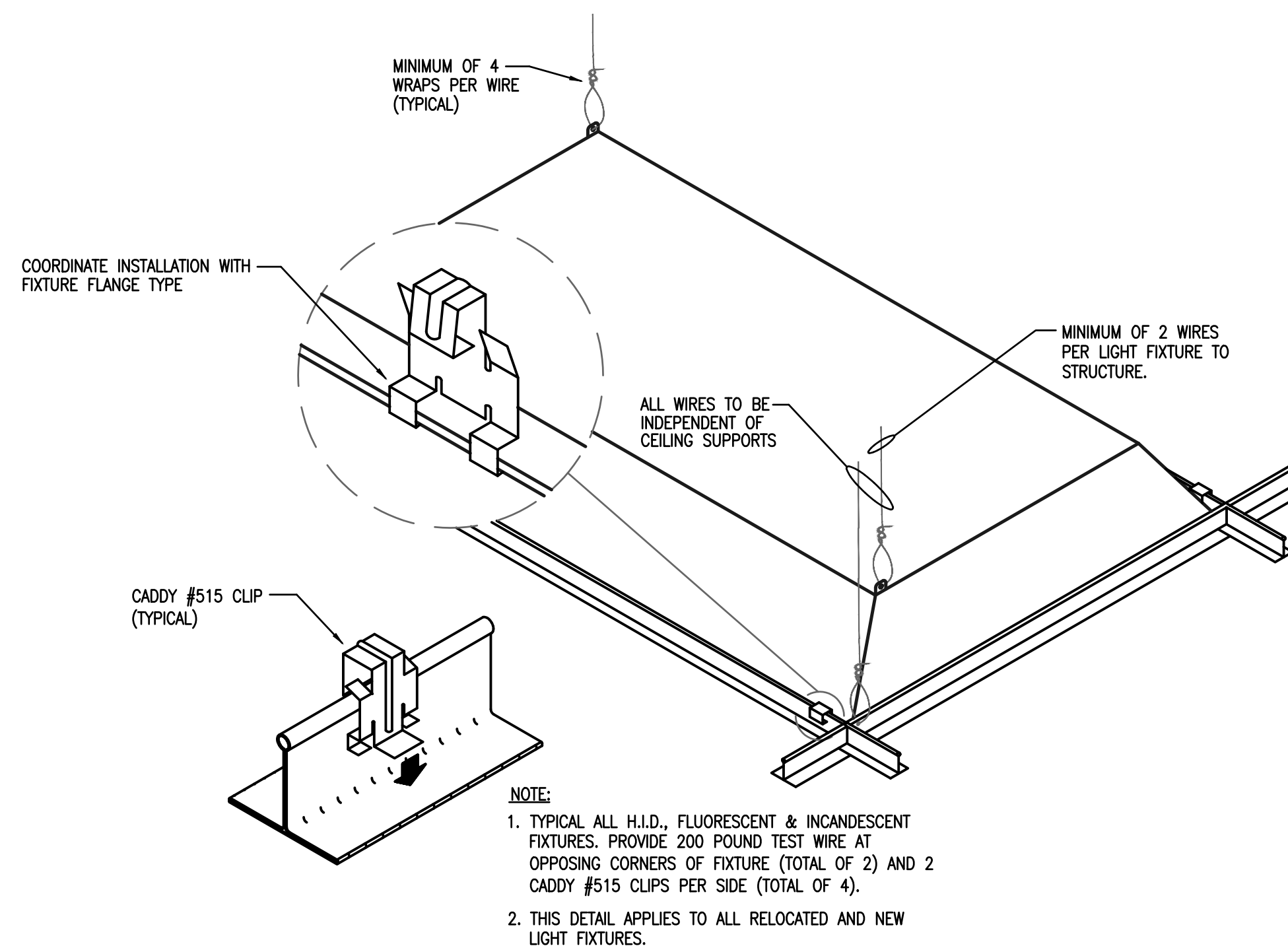
1. CONTRACTOR TO PROTECT EXISTING FIRE PROTECTION PIPING ABOVE THE CEILING AND ALL EXISTING SPRINKLER HEADS IN THE CEILINGS THROUGHOUT CONSTRUCTION.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

	PROJECT NO. 16-166 PHASE 100% CONST. DOCS SCALE 1'-0" FILE NAME CAD FILE DRAWN BY MB CHECKED BY ABP DATE 12-18-17	PROJECT ADDRESS OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825 OWNER NAME AND ADDRESS ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825	DRAWING TITLE Third Floor Plan - Area#7 - Fire Protection	CONSULTANTS  BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR 730 VASSAR STREET ORLANDO, FL 32804 407-418-1338 CONVENTIONAL: THE DRAWINGS ARE THE PROPERTY OF BORRELLI + PARTNERS UNLESS OTHERWISE PROVIDED BY THE CLIENT. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF BORRELLI + PARTNERS.	SIGNATURE AND DATED SEAL  BOBES ASSOCIATES CONSULTING ENGINEERS 100 ORCHARD DRIVE, MAITLAND, FL 32751 FLORIDA PROFESSIONAL ENGINEERING BOARD FLORIDA STATE P.E. NUMBER: 2131 ACCOUNT: G.E. BOBES JR., P.E. FLORIDA LICENSE # 39410
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TYPICAL OFFICE LIGHTING AND RECEPTACLE CONTROL WIRING DIAGRAM



TYPICAL LAY-IN FIXTURE MOUNTING DETAIL
NOT TO SCALE

GENERAL NOTES
(APPLIES TO ALL DRAWINGS)

- BRANCH WIRING IS NOT SHOWN GRAPHICALLY ON DRAWING AND IS INDICATED BY CIRCUIT NUMBERS BESIDE FIXTURES, DEVICES AND EQUIPMENT. PROVIDE COMPLETE WIRING SYSTEM WHETHER OR NOT INDICATED GRAPHICALLY.
- LIGHTING FIXTURES ARE SHOWN FOR QUANTITY AND CIRCUITING ONLY. FOR EXACT LOCATION OF LIGHTING FIXTURES, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE WORK WITH CEILING CONTRACTOR. PROVIDE PROPER FIXTURE FRAMES FOR TYPE OF CEILING INDICATED.
- FOR EXACT ARCHITECTURAL LAYOUT AND DIMENSIONS, COORDINATE WITH ARCHITECTURAL DRAWINGS. ELECTRICAL DRAWINGS ARE FOR REFERENCE ONLY.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND 2008 NATIONAL ELECTRICAL CODE (NEC).
- COORDINATE ALL WORK DONE UNDER THIS DIVISION WITH WORK TO BE PERFORMED UNDER DIVISION 15.
- COORDINATE WITH OTHER TRADES FOR EXACT LOCATIONS OF ALL MOTORS AND OTHER EQUIPMENT TO BE INSTALLED AND/OR WIRED UNDER THIS DIVISION BUT FURNISHED UNDER ANOTHER DIVISION OF THE SPECIFICATIONS.
- ALL BRANCH CIRCUITS FOR 120 VOLT, 20 AMP CIRCUITS EXCEEDING EIGHTY FEET IN LENGTH SHALL BE INCREASED IN SIZE AS REQUIRED TO ALLOW FOR VOLTAGE DROP LOSSES.
- PACK ALL SLEEVES FOR CONDUITS PASSING THROUGH FIRE RATED WALLS AND FLOOR SLABS WITH FIRE RESISTANT MATERIALS. ALL PENETRATIONS SHALL BE UL RATED.
- ALL EMPTY CONDUITS (EC) SHALL BE PROVIDED WITH NYLON PULL WIRES.
- TYPE AC CABLE AND ELECTRICAL NON-METALLIC TUBING SHALL NOT BE PERMITTED. TYPE MC CABLE IS PERMITTED AS LONG AS IT IS ACCEPTABLE TO THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).
- COORDINATE THE REQUIRED SIZE OF ALL CIRCUIT BREAKERS FEEDING EQUIPMENT (I.E. MOTORS, HVAC, KITCHEN EQUIPMENT, SPECIAL PURPOSE OUTLETS, OWNER FURNISHED EQUIPMENT, ETC.) WITH APPROVED EQUIPMENT SHOP DRAWINGS AND OWNER REPRESENTATIVES PRIOR TO ORDERING PANELBOARDS. BREAKERS SHALL BE SIZED PER THE NEC, THE EQUIPMENT NAME PLATE AND MANUFACTURER'S RECOMMENDATIONS.
- ALL CONDUITS IN OR UNDER SLAB OR UNDERGROUND SHALL BE PVC SCHEDULE 40.
- ALL CONDUITS ABOVE SLAB, WHETHER EXPOSED OR CONCEALED, SHALL BE EMT, IMC, OR RIGID GALVANIZED STEEL.
- FLEXIBLE METAL RACEWAYS SHALL NOT EXCEED 6' IN LENGTH.
- "LIQUID-TIGHT" TYPE FLEXIBLE WEATHERPROOF RACEWAYS SHALL HAVE A METALLIC INTERIOR AND NOT EXCEED 6' IN LENGTH.
- ALL BOXES, PLASTER RINGS, EXTENSION RINGS, AND BOX COVERS SHALL BE METAL.
- ALL CONDUITS SHALL BE PARALLEL AND PERPENDICULAR TO STRUCTURAL MEMBERS.
- ALL BENDS SHALL BE MADE IN CONDUIT USING PROPER EQUIPMENT AND MEET NATIONAL ELECTRICAL CODE (NEC) REQUIREMENTS.
- ALL WIRE, INCLUDING BUT NOT LIMITED TO FEEDERS AND BRANCH CIRCUIT WIRING, SHALL BE COPPER - #12 AWG THWN MINIMUM EXCEPT FOR LOW-VOLTAGE WIRING FOR COMMUNICATIONS SYSTEMS, WHICH MAY BE SMALLER.
- ALL DEVICES SHALL BE COMMERCIAL OR SPECIFICATION GRADE.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY POWER AND TEMPORARY LIGHTING DURING CONSTRUCTION. TEMPORARY POWER SHALL PROVIDE ADEQUATE POWER FOR NORMAL CONSTRUCTION USE. TEMPORARY LIGHTING SHALL PROVIDE ADEQUATE LIGHT SO THAT THE INDIVIDUAL TRADES WORK CAN BE COMPLETED.
- ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED.
- A GREEN INSULATED COPPER GROUND CONDUCTOR SHALL BE INSTALLED IN ALL RACEWAYS.
- GROUNDING SYSTEM SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250 AND APPLICABLE REQUIREMENTS OF IEEE STANDARDS 142 AND 241.
- CONDUCTORS ARE SIZED FOR VOLTAGE DROP PER N.E.C. ARTICLE 210.19(A)(1) FPN No. 4 AND THE 2014 F.B.C. ENERGY CONSERVATION CODE C405.7.3.1&2. ELECTRICAL CONTRACTOR SHALL PERFORM VOLTAGE DROP CALCULATIONS IN ACCORDANCE WITH N.E.C. ARTICLE 210.19 (A)(1) FPN No. 4 AND THE 2014 F.B.C. ENERGY CONSERVATION CODE C405.7.3.1&2 ON ANY CIRCUITS THAT ARE INSTALLED THAT DIFFER FROM THE DESIGN SHOWN IN THESE PLANS. FEEDER CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 2% AND BRANCH CIRCUIT CONDUCTORS 3% AT DESIGN LOAD.
- LIGHT FIXTURES SUPPORTED BY CEILING GRID SHALL BE SUPPORTED AS PER FIELD TECHNICAL INFORMATION NO. 40. LIGHT FIXTURES WEIGHING LESS THAN 10 POUNDS SHALL HAVE ONE 12 GAGE HANGER WIRE CONNECTED FROM THE FIXTURE TO THE STRUCTURE ABOVE. LIGHT FIXTURES WEIGHING MORE THAN 10 POUNDS SHALL HAVE TWO 12 GAGE WIRES ATTACHED AT OPPOSING CORNERS OF EACH LIGHT FIXTURE.
- THE CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL SHOP DRAWING SUBMITTAL TO THE ENGINEER FOR REVIEW AND APPROVAL. THE ELECTRICAL SUBMITTAL SHALL INCLUDE ALL ELECTRICAL PANELS, MDPS, BREAKERS, DISCONNECTS, DEVICES, RECEPTACLES, CONDUIT, RACEWAYS, LIGHT FIXTURES, POLES, SWITCHES, OCCUPANCY SENSORS, PULL BOXES, WIRING ETC. CONTRACTOR SHALL NOT ORDER ANY ELECTRICAL EQUIPMENT UNTIL THIS SUBMITTAL IS REVIEWED AND ACCEPTED BY THE ENGINEER OF RECORD. CONTRACTOR SHALL SUBMIT THE SHOP DRAWING AS ONE COMPLETE SUBMITTAL AND SHALL NOT PIECE MEAL THE SUBMITTAL SPREAD OUT OVER THE COURSE OF DAYS AND WEEKS. FAILURE TO SUBMIT A COMPLETE ELECTRICAL SHOP DRAWING SUBMITTAL SHALL RESULT IN AN IMMEDIATE REJECTION OF THE SHOP DRAWING SUBMITTAL.

ELECTRICAL SCOPE OF WORK

- THE ELECTRICAL SCOPE OF WORK FOR THIS PROJECT CONSISTS OF THE RELOCATION AND ADDITION OF LIGHT FIXTURES AND ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS AS WELL AS THE RELOCATION OF POWER RECEPTACLES TO ACCOMMODATE THE CREATING OF NEW ENCLOSED OFFICES OUT OF EXISTING OPEN OFFICE AREAS.

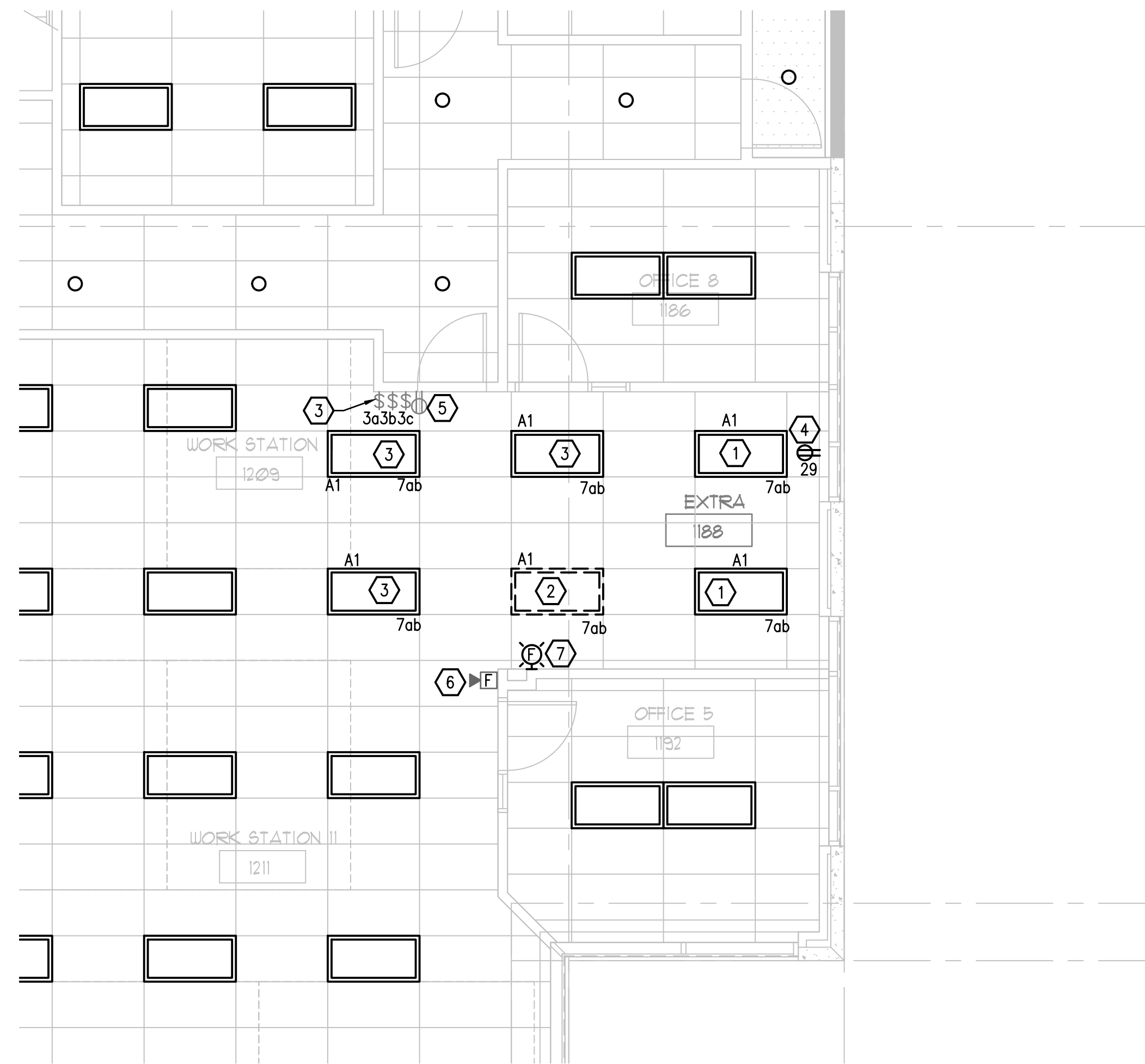
SYMBOL LIST

(SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT.)

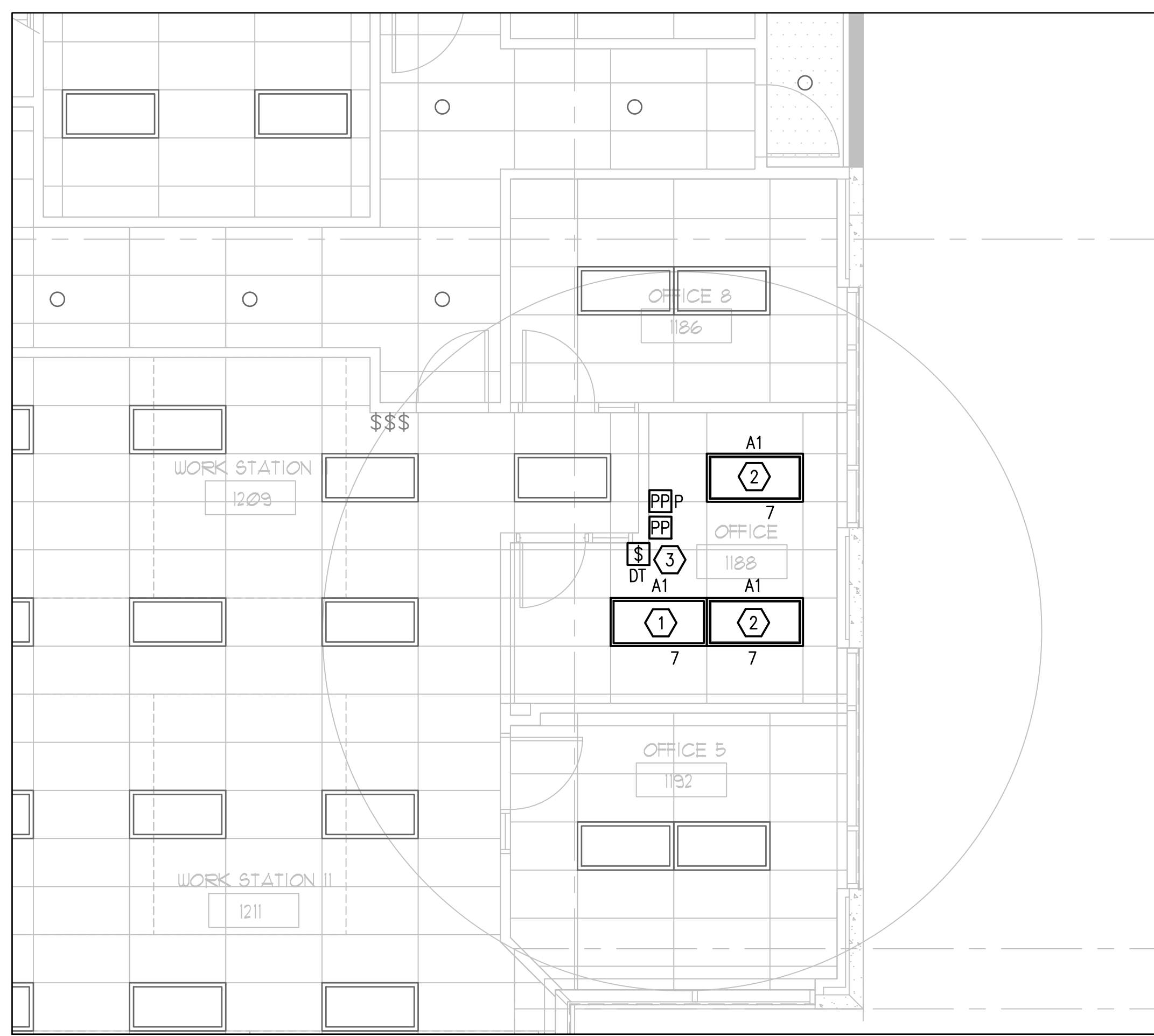
- A-1 [Symbol] RECESSED FLUORESCENT FIXTURE } UPPER CASE LETTER INDICATES FIXTURE TYPE, "A-1" INDICATES PANEL & CIRCUIT NUMBER (SIMILAR ALL FIXTURES).
- [Symbol] SURFACE MOUNTED FLUORESCENT FIXTURE
- [Symbol] WALL MOUNTED FLUORESCENT FIXTURE
- [Symbol] DOWNLIGHT OR PENDANT FIXTURE
- [Symbol] WALL MOUNTED INCANDESCENT, FLUORESCENT OR HID FIXTURE
- [Symbol] EXIT SIGN. ARROW INDICATES DIRECTIONAL ARROW ON FIXTURE
- [Symbol] EMERGENCY FIXTURE
- [Symbol] PHOTOCELL
- [Symbol] SINGLE POLE SWITCH, SUBSCRIPT LETTER INDICATES FIXTURE CONTROLLED. (3 = 3 WAY, 4 = 4 WAY, K = KEY OPERATED) MOUNTED 48" AFF
- [Symbol] DIMMER SWITCH, TYPE AND WATTAGE TO CONTROL FIXTURE
- [Symbol] OCCUPANCY SENSOR
- [Symbol] QUAD RECEPTACLE
- [Symbol] 20A, 2 POLE, 125V GROUNDED DUPLEX RECEPTACLE. 18" AFF UNLESS OTHERWISE NOTED. G = GROUND FAULT INTERRUPTER
- [Symbol] 20A, 2 POLE, 125V GROUNDED DUPLEX RECEPTACLE. MOUNTED ABOVE COUNTERTOP UNLESS OTHERWISE NOTED.
- [Symbol] SPECIAL RECEPTACLE
- [Symbol] TELEPHONE WALL OUTLET 18" AFF UNLESS OTHERWISE NOTED. PROVIDE 1" EC TO CEILING SPACE.
- [Symbol] TELEPHONE AND DATA DUPLEX OUTLET, LEVITON CAT. #41688-1 OR EQUAL. 18" AFF UNLESS OTHERWISE NOTED. PROVIDE 1" EC TO CEILING SPACE.
- [Symbol] TELEVISION OUTLET WITH 1" EC TO TTB. 18" AFF UNLESS OTHERWISE NOTED.
- [Symbol] CEILING MOUNTED JUNCTION BOX
- [Symbol] WALL MOUNTED JUNCTION BOX
- [Symbol] CONNECTION TO EQUIPMENT
- [Symbol] PUSHBUTTON
- [Symbol] MOTOR HORSEPOWER RATED TOGGLE SWITCH BY DIVISION 15
- [Symbol] NONFUSED DISCONNECT SWITCH. NUMBERS INDICATE SWITCH SIZE.
- [Symbol] FUSED DISCONNECT SWITCH. FUSES SIZED AS SHOWN ON DRAWINGS.
- [Symbol] MOTOR
- [Symbol] PANELBOARD
- [Symbol] FIRE ALARM CONTROL PANEL
- [Symbol] FIRE ALARM ANNUNCIATOR PANEL
- [Symbol] INTERCOM
- [Symbol] CEILING SPEAKER
- [Symbol] WALL-MOUNTED SPEAKER
- [Symbol] TELEPHONE TERMINAL BOARD (TTB)
- [Symbol] FIRE ALARM STROBE LIGHT, MOUNTED 80" AFF
- [Symbol] FIRE ALARM MANUAL PULL STATION, MOUNTED 48" AFF
- [Symbol] FIRE ALARM HORN WITH STROBE LIGHT, MOUNTED 80" AFF
- [Symbol] SPRINKLER FLOW SWITCH
- [Symbol] SPRINKLER TAMPER SWITCH
- [Symbol] KEY LOCK BOX
- [Symbol] HEAT DETECTOR
- [Symbol] DUCT SMOKE DETECTOR
- [Symbol] SMOKE DETECTOR
- [Symbol] HOOD FIRE SUPPRESSION SYSTEM PULL STATION
- [Symbol] AHU FIRE ALARM SHUTDOWN RELAY
- [Symbol] ABOVE FINISHED FLOOR
- [Symbol] FINISHED FLOOR
- [Symbol] AIR HANDLING UNIT
- [Symbol] EMPTY CONDUIT
- [Symbol] EXHAUST FAN
- [Symbol] ELECTRIC WATER COOLER
- [Symbol] ELECTRIC WATER HEATER
- [Symbol] GROUND FAULT INTERRUPTER
- [Symbol] CONDENSING UNIT
- [Symbol] WEATHERPROOF (NEMA-3R)
- [Symbol] NIGHT LIGHT
- [Symbol] SHUNT TRIP
- [Symbol] ISOLATED GROUND

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

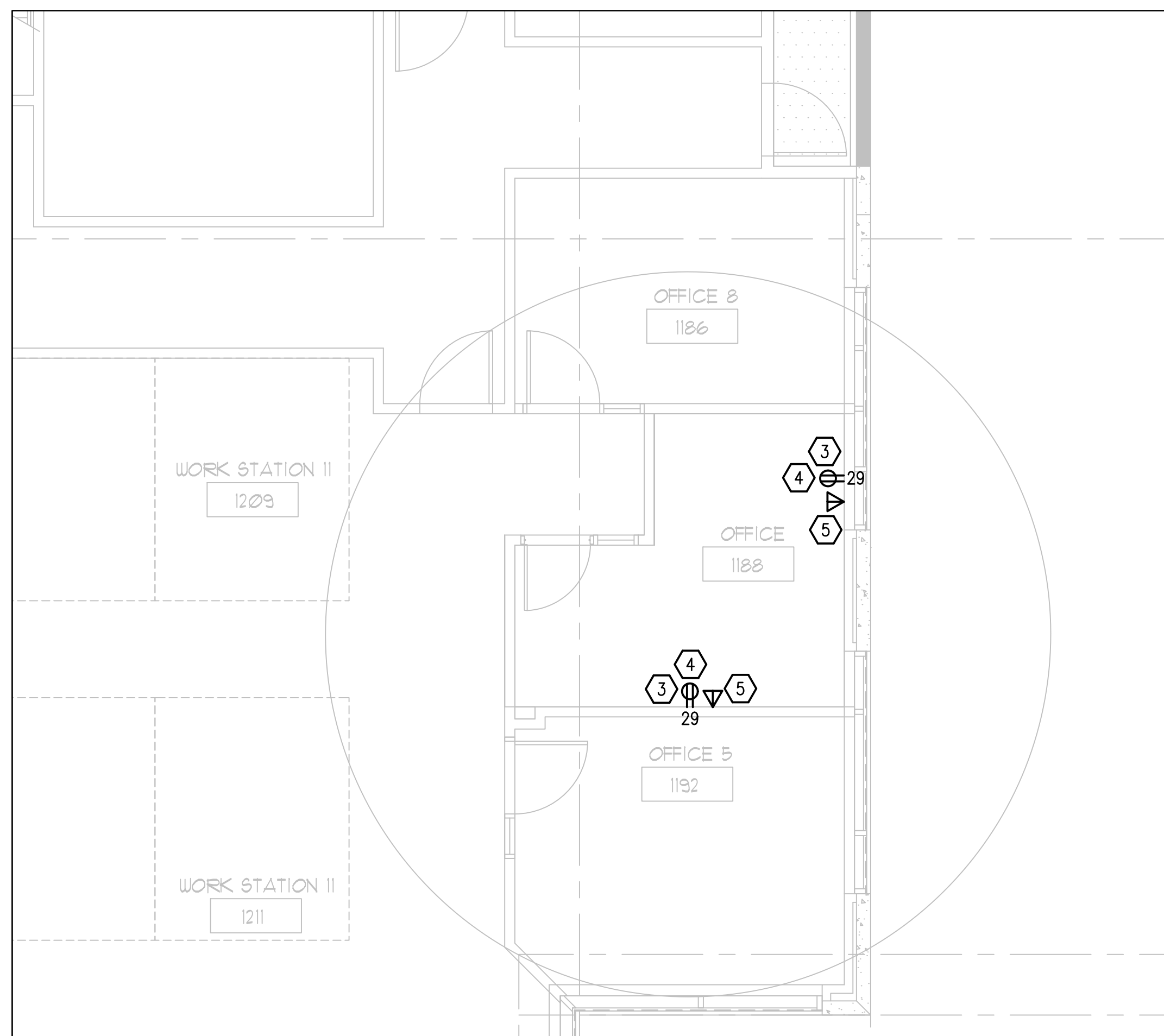
<p>BORRELLI & PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR</p> <p>720 VASSAR STREET ORLANDO, FL 32804 407-418-1338</p> <p><small>CONSENTING THE DRAWINGS IS THE PROPERTY OF BORRELLI & PARTNERS. ANY REUSE OR REPRODUCTION OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF BORRELLI & PARTNERS IS STRICTLY PROHIBITED. COPYRIGHT © BORRELLI & PARTNERS, ALL RIGHTS RESERVED.</small></p>		<p>CONSULTANTS</p> <p> BORRELLI & PARTNERS CONSULTING ENGINEERS</p> <p>100 ORCHARD DRIVE, MAULDEN, FL 32751 FLORIDA PROFESSIONAL ENGINEERING NO. 12579 FLORIDA STATE P.E. NUMBER: 5131</p>	
<p>PROJECT ADDRESS</p> <p>OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825</p>		<p>OWNER NAME AND ADDRESS</p> <p>ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825</p>	
PROJECT NO.	16-166	DATE	12/18/17
PHASE	100% CONST. DOCS	DESCRIPTION	
SCALE	1"=0'-0"	DESCRIPTION	
FILE NAME	GAD FILE	DESCRIPTION	
DRAWN BY	MB	DESCRIPTION	
CHECKED BY	ADJ	DESCRIPTION	



1 1ST FLOOR EXISTING DEMO PLAN - AREA#1 - ELECTRICAL
E-101 SCALE: 3/16 = 1'-0"



2 1ST FLOOR RENOVATION PLAN - AREA#1 - LIGHTING
E-101 SCALE: 3/16 = 1'-0"



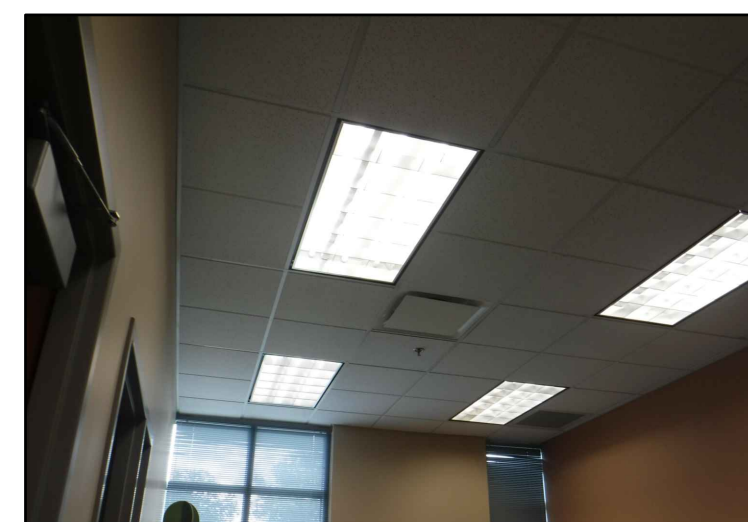
3 1ST FLOOR RENOVATION PLAN - AREA#1 - POWER
E-101 SCALE: 3/16 = 1'-0"

EXISTING CONDITIONS NOTES

- THIS DRAWING HAS BEEN PREPARED FROM FIELD INVESTIGATIONS. CONTRACTOR SHALL VISIT THE BUILDING AND TAKE SUCH OTHER STEPS AS MAY BE REASONABLY NECESSARY TO ASCERTAIN THE NATURE AND LOCATION OF WORK, AND THE GENERAL AND LOCAL CONDITIONS WHICH CAN AFFECT THE WORK OR THE COST THEREOF.
- EVERY EFFORT HAS BEEN MADE TO DETAIL EACH CONDITION. THE DRAWING MAY NOT DETAIL EVERY CONDITION OR LOCATION ENCOUNTER. MANY CONDITIONS ARE TYPICAL OR SIMILAR TO THE DRAWING SHOWN.
- CONFLICTS AND/OR PROBLEMS SHALL BE REPORTED PRIOR TO BIDDING FOR RESOLUTION. FAILURE TO REPORT THESE CONFLICTS PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AT NO ADDITIONAL COST TO THE OWNER.

DEMOLITION KEY NOTES

- EXISTING LIGHT FIXTURE TO REMAIN. DISCONNECT AND REMOVE EXISTING POWER WIRING AND CONDUIT CONNECTED TO FIXTURE BACK TO EXISTING JUNCTION BOX. REWIRE OTHER EXISTING TO REMAIN LIGHT FIXTURES IN EXISTING OPEN OFFICE SPACE TO EXISTING WALL SWITCHES AS REQUIRED. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.
- EXISTING LIGHT FIXTURE TO BE REMOVED AND SAVED FOR REUSE. DISCONNECT AND REMOVE POWER WIRING AND CONDUIT BACK TO EXISTING JUNCTION BOX.
- EXISTING LIGHT FIXTURE TO REMAIN. EXISTING POWER WIRING AND CONDUIT CONNECTED TO FIXTURE TO REMAIN. EXISTING WALL SWITCH TO REMAIN.
- EXISTING DUPLEX WALL MOUNTED POWER RECEPTACLE TO BE REMOVED. DISCONNECT EXISTING POWER WIRING CONNECTED TO WALL OUTLET.
- EXISTING DUPLEX RECEPTACLE TO REMAIN.
- EXISTING FIRE ALARM DEVICE TO REMAIN.
- EXISTING FIRE ALARM DEVICE TO BE REMOVED AND SAVED FOR REUSE. DISCONNECT FIRE ALARM WIRING TO DEVICE AS REQUIRED.



EXISTING LIGHTING IN AREA #1 TO BE MODIFIED

RENOVATION KEY NOTES

- CLEAN AND REFURBISH EXISTING LIGHTING FIXTURE AS REQUIRED. REINSTALL LIGHT FIXTURE IN EXISTING CEILING AS SHOWN ON PLAN. CONNECT POWER TO RELOCATED LIGHT FIXTURE FROM NEW WALL SWITCH OCCUPANCY SENSOR AS SHOWN ON PLAN. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.
- RECONNECT POWER TO (2) EXISTING LIGHT FIXTURES FROM NEW WALL SWITCH OCCUPANCY SENSOR AS SHOWN ON PLAN. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.
- PROVIDE AUTOMATIC RECEPTACLE CONTROL IN THE OFFICE TO COMPLY WITH THE FLORIDA ENERGY CODE AND ASHRAE 90.1. RECEPTACLES ARE CONTROLLED THRU LIGHTING OCCUPANCY SENSOR AND PLUG LOAD CONTROLLER. SEE TYPICAL DIAGRAM ON SHEET E-001. SPLIT-WIRE RECEPTACLE SO THAT TOP HALF IS CONTROLLED AND PROVIDE CONTROLLED RECEPTACLES WITH THE APPROPRIATE MARKING.
- PROVIDE NEW DUPLEX RECEPTACLE AND CONNECT TO EXISTING RECEPTACLE CIRCUIT. VERIFY CIRCUIT NUMBER.
- PROVIDE NEW DATA OUTLET ON WALL. EXACT LOCATION OF NEW DATA OUTLET TO BE DETERMINED IN THE FIELD. PROVIDE NEW CONDUIT AND WIRING TO NEW DATA OUTLET FROM EXISTING DATA CIRCUIT AS REQUIRED.

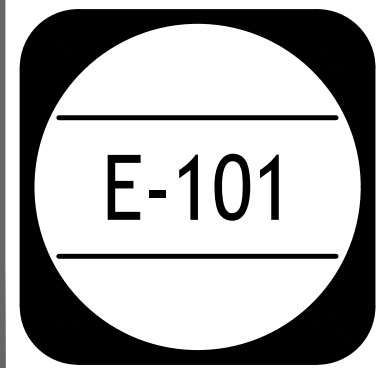
GENERAL NOTES

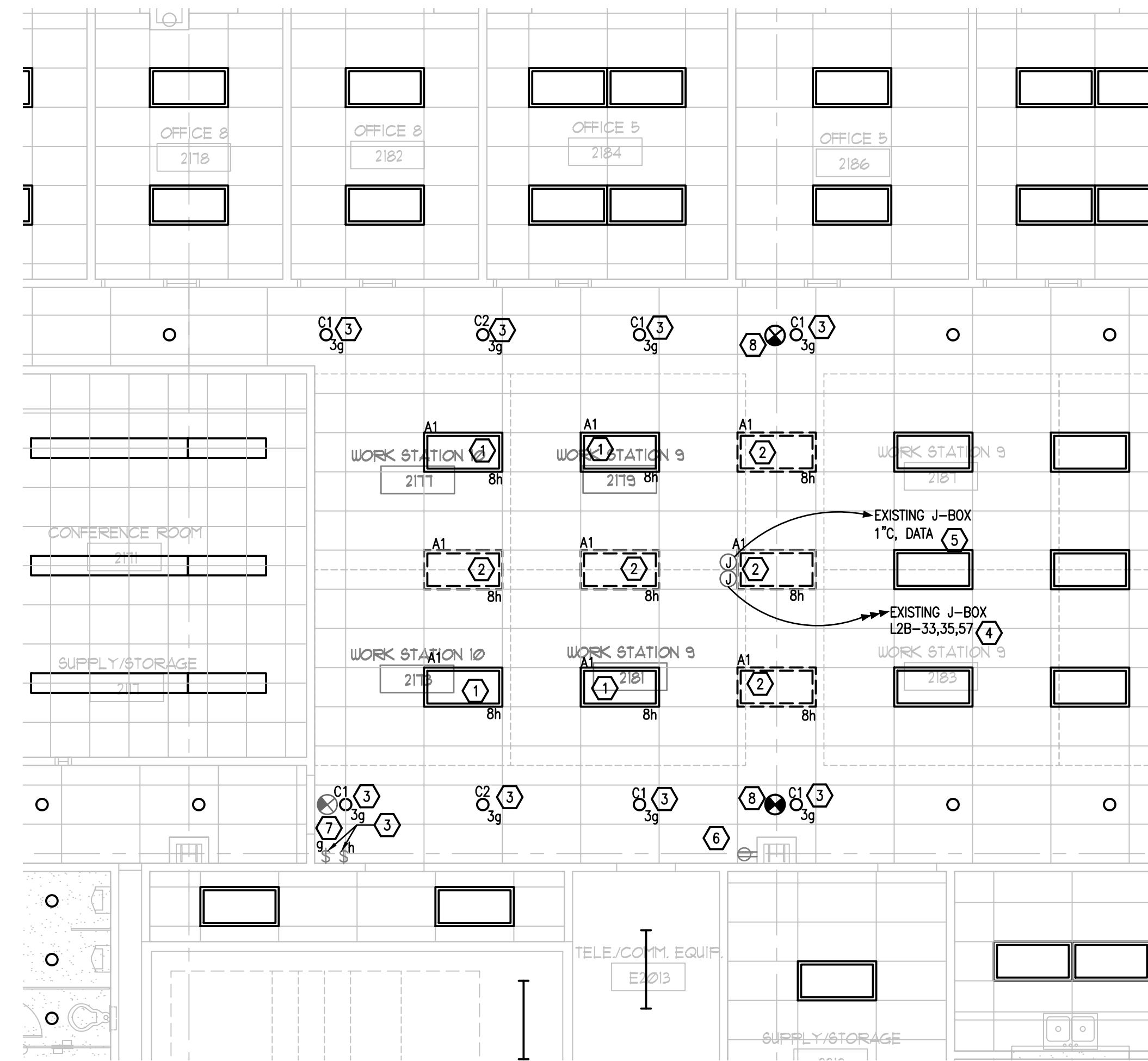
- REFER TO GENERAL NOTES ON SHEET E-001.
- COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- LETTERS AND NUMBERS ON THE PLAN THAT ARE SHOWN NEXT TO DEVICES INDICATE THE PANEL AND CIRCUIT NUMBER FEEDING THAT DEVICE, EXAMPLE - A-1.
- CONTRACTOR TO PROTECT ALL EXISTING WALLS, DOORS, FLOORS AND CEILING SURFACES TO REMAIN THROUGH OUT CONSTRUCTION. CONTRACTOR TO REPAIR OR REPLACE ANY DAMAGED SURFACE AT THEIR OWN EXPENSE.

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

<p>BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR</p> <p>720 VASSAR STREET ORLANDO, FL 32804 407.418.1338</p> <p><small>CONFIDENTIAL: THE DRAWINGS ARE THE PROPERTY OF BORRELLI + PARTNERS. UNLESS OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.</small></p>		<p>SIGNATURE AND DATED SEAL</p>	
<p>BOBES ASSOCIATES CONSULTING ENGINEERS</p> <p>100 ORCHARD DRIVE, MAITLAND, FL 32751 FLORIDA PROFESSIONAL ENGINEERING NO. 11098 FLORIDA STATE P.E. NUMBER: 2131</p>		<p>CONSULTANTS</p>	
<p>PROJECT ADDRESS: OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825</p> <p>OWNER NAME AND ADDRESS: ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825</p>			
PROJECT NO.	16-166	DATE	
PHASE	100% CONSTR. DOCS	DESCRIPTION	
SCALE	1'-0"		
FILE NAME	GAD FILE		
DRAWN BY	MB		
CHECKED BY	MB		
DATE	12-18-17		

First Floor Plans - Area#1 - Electrical





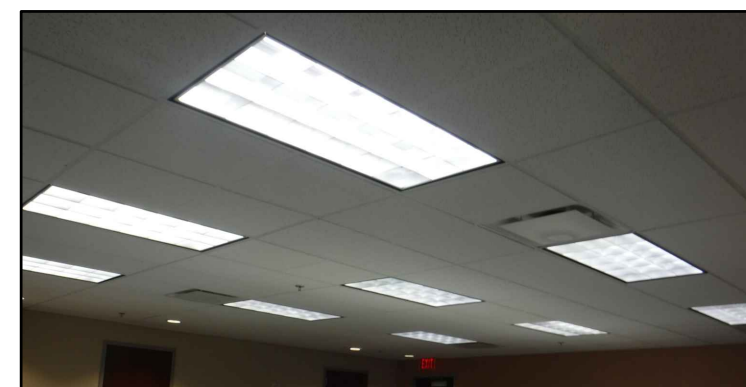
1 2ND FLOOR EXISTING DEMO PLAN - AREA#2 - ELECTRICAL
E-102 SCALE: 3/16 = 1'-0"

EXISTING CONDITIONS NOTES

1. THIS DRAWING HAS BEEN PREPARED FROM FIELD INVESTIGATIONS. CONTRACTOR SHALL VISIT THE BUILDING AND TAKE SUCH OTHER STEPS AS MAY BE REASONABLY NECESSARY TO ASCERTAIN THE NATURE AND LOCATION OF WORK, AND THE GENERAL AND LOCAL CONDITIONS WHICH CAN AFFECT THE WORK OR THE COST THEREOF.
2. EVERY EFFORT HAS BEEN MADE TO DETAIL EACH CONDITION. THE DRAWING MAY NOT DETAIL EVERY CONDITION OR LOCATION ENCOUNTER. MANY CONDITIONS ARE TYPICAL OR SIMILAR TO THE DRAWING SHOWN.
3. CONFLICTS AND/OR PROBLEMS SHALL BE REPORTED PRIOR TO BIDDING FOR RESOLUTION. FAILURE TO REPORT THESE CONFLICTS PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AT NO ADDITIONAL COST TO THE OWNER.

DEMOLITION KEY NOTES

- 1 EXISTING LIGHT FIXTURE TO REMAIN. DISCONNECT AND REMOVE EXISTING POWER WIRING AND CONDUIT CONNECTED TO FIXTURE BACK TO EXISTING JUNCTION BOX. REWIRE OTHER EXISTING TO REMAIN LIGHT FIXTURES IN EXISTING OPEN OFFICE SPACE FROM EXISTING WALL SWITCH AS REQUIRED. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.
- 2 EXISTING LIGHT FIXTURE TO BE REMOVED AND SAVED FOR REUSE. DISCONNECT AND REMOVE POWER WIRING AND CONDUIT BACK TO EXISTING JUNCTION BOX.
- 3 EXISTING LIGHT FIXTURE TO REMAIN. EXISTING POWER WIRING AND CONDUIT CONNECTED TO FIXTURE TO REMAIN. EXISTING WALL SWITCH TO REMAIN.
- 4 EXISTING POWER WIRING AND CONDUIT ROUTED IN EXISTING PARTITIONS TO BE REMOVED TO EXISTING J-BOX. EXISTING J-BOX TO REMAIN.
- 5 EXISTING DATA WIRING AND CONDUIT ROUTED IN EXISTING PARTITIONS TO BE REMOVED TO EXISTING J-BOX. EXISTING J-BOX TO REMAIN.
- 6 EXISTING WALL MOUNTED POWER RECEPTACLE TO REMAIN. EXISTING POWER CONDUIT AND WIRING TO REMAIN.
- 7 EXISTING EXIT SIGN AND POWER WIRING TO REMAIN.
- 8 EXISTING EXIT SIGN TO BE REMOVED. DISCONNECT AND REMOVE POWER WIRING TO EXISTING EXIT SIGN



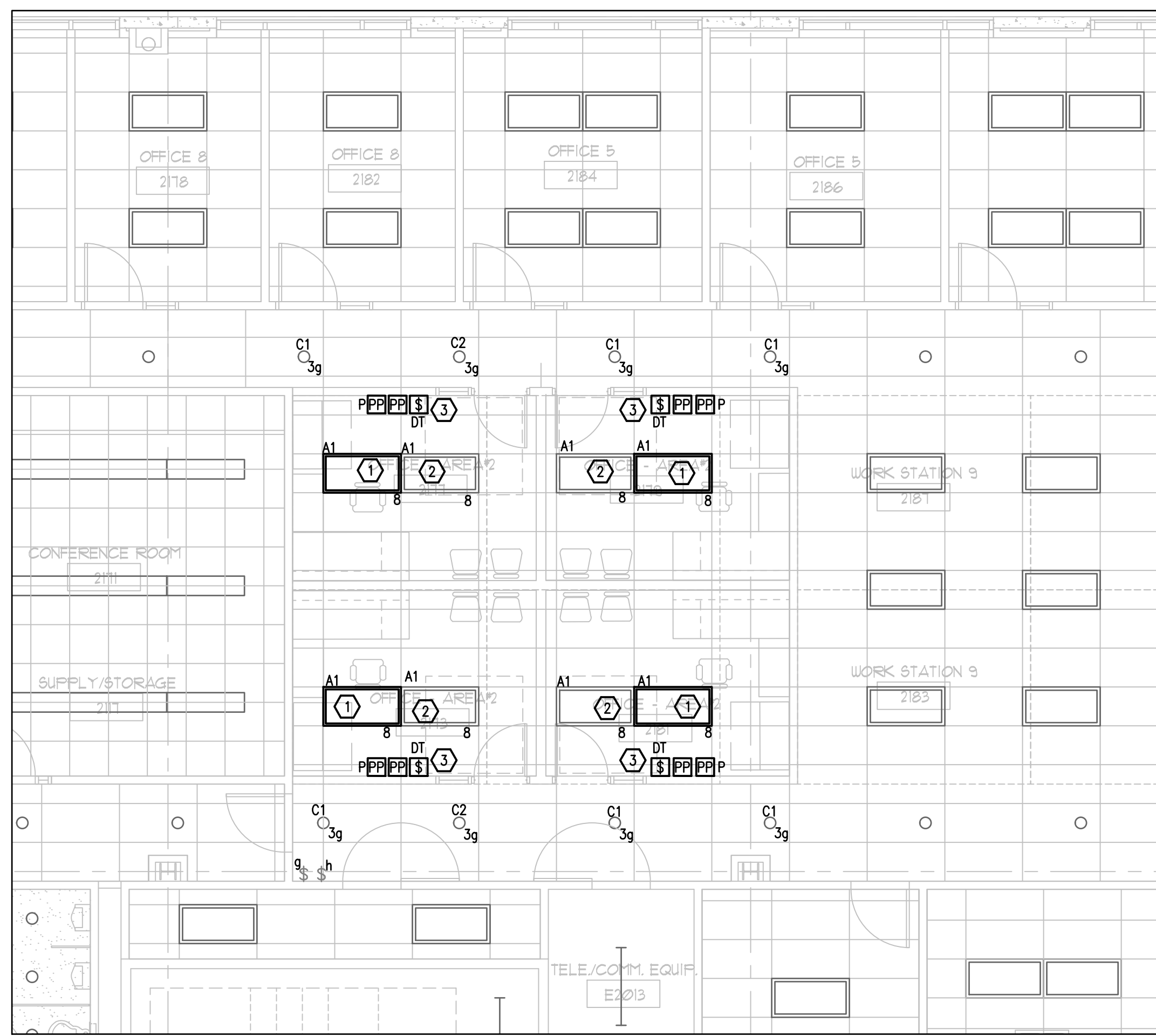
EXISTING LIGHTING IN AREA #2 TO BE MODIFIED

RENOVATION KEY NOTES

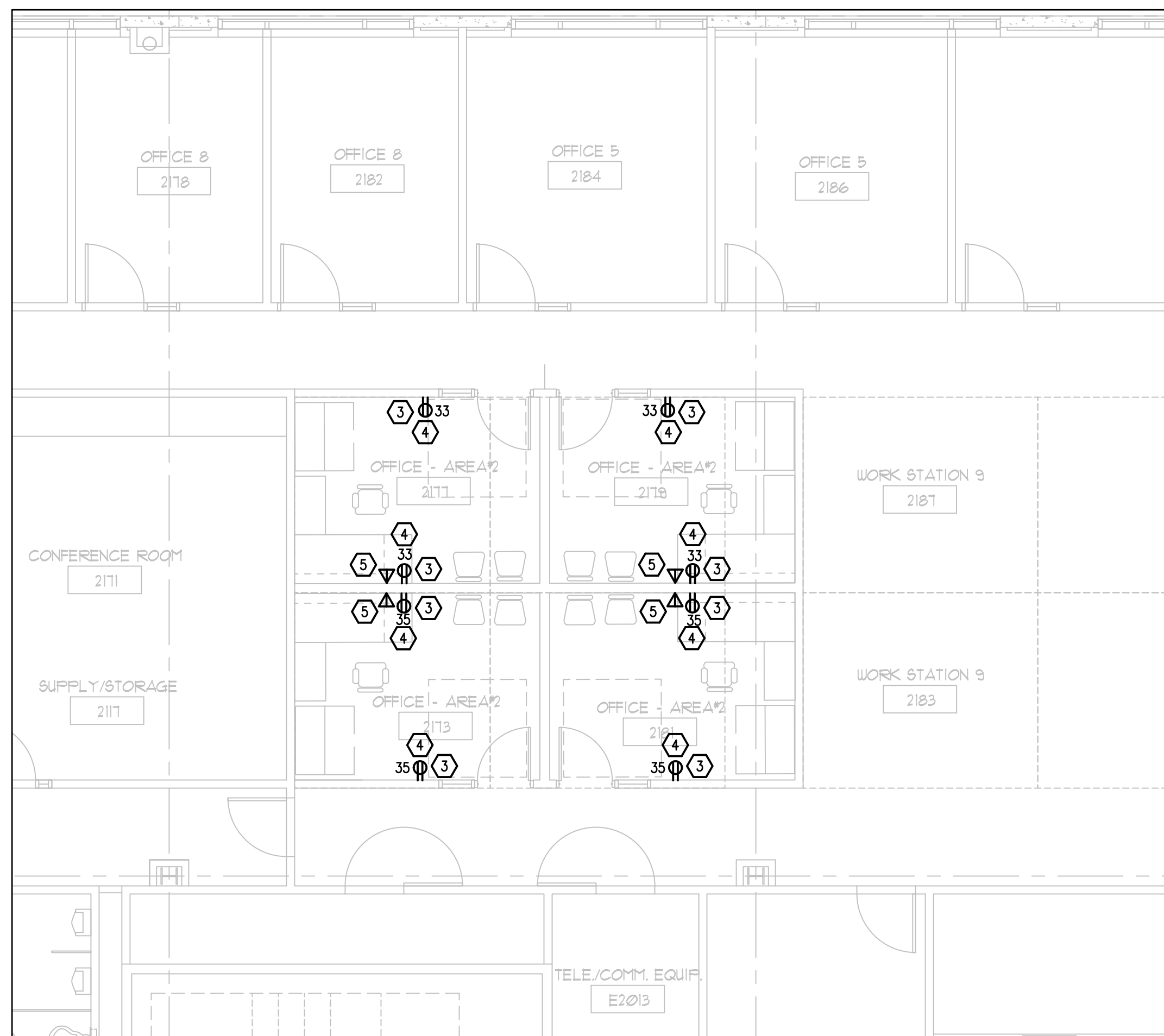
- 1 CLEAN AND REFURBISH EXISTING LIGHTING FIXTURE AS REQUIRED. REINSTALL LIGHT FIXTURE IN EXISTING CEILING AS SHOWN ON PLAN. CONNECT POWER TO RELOCATED LIGHT FIXTURE FROM NEW WALL SWITCH OCCUPANCY SENSOR AS SHOWN ON PLAN. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.
- 2 CONNECT POWER TO EXISTING LIGHT FIXTURE FROM NEW WALL SWITCH OCCUPANCY SENSOR AS SHOWN ON PLAN. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED. CLEAN AND REFURBISH EXISTING LIGHTING FIXTURE AS REQUIRED.
- 3 PROVIDE AUTOMATIC RECEPTACLE CONTROL IN THE OFFICE TO COMPLY WITH THE FLORIDA ENERGY CODE AND ASHRAE 90.1. RECEPTACLES ARE CONTROLLED THRU LIGHTING OCCUPANCY SENSOR AND PLUG LOAD CONTROLLER. SEE TYPICAL DIAGRAM ON SHEET E-001. SPLIT-WIRE RECEPTACLE SO THAT TOP HALF IS CONTROLLED AND PROVIDE CONTROLLED RECEPTACLES WITH THE APPROPRIATE MARKING.
- 4 PROVIDE NEW DUPLEX RECEPTACLE AND CONNECT TO EXISTING RECEPTACLE CIRCUIT. VERIFY CIRCUIT NUMBER.
- 5 PROVIDE NEW DATA OUTLET ON WALL. EXACT LOCATION OF NEW DATA OUTLET TO BE DETERMINED IN THE FIELD. PROVIDE NEW CONDUIT AND WIRING TO NEW DATA OUTLET FROM EXISTING DATA CIRCUIT AS REQUIRED.

GENERAL NOTES

1. REFER TO GENERAL NOTES ON SHEET E-001.
2. COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
3. LETTERS AND NUMBERS ON THE PLAN THAT ARE SHOWN NEXT TO DEVICES INDICATE THE PANEL AND CIRCUIT NUMBER FEEDING THAT DEVICE, EXAMPLE - A-1.
4. CONTRACTOR TO PROTECT ALL EXISTING WALLS, DOORS, FLOORS AND CEILING SURFACES TO REMAIN THROUGH OUT CONSTRUCTION. CONTRACTOR TO REPAIR OR REPLACE ANY DAMAGED SURFACE AT THEIR OWN EXPENSE.



2 2ND FLOOR RENOVATION PLAN - AREA#2 - LIGHTING
E-102 SCALE: 3/16 = 1'-0"



3 2ND FLOOR RENOVATION PLAN - AREA#2 - POWER
E-102 SCALE: 3/16 = 1'-0"

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

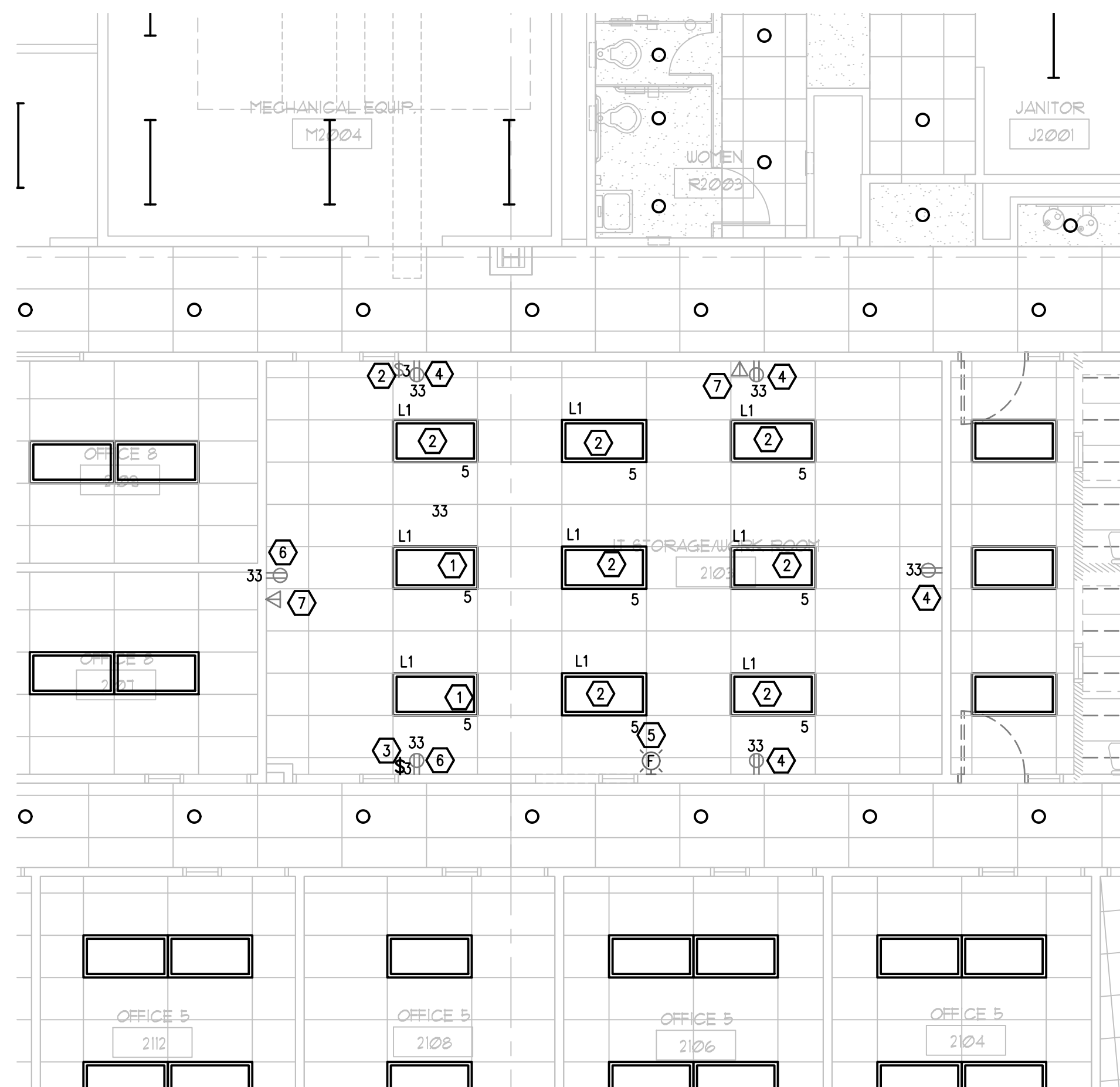
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730 VASSAR STREET
ORLANDO, FL 32804 407.418.1338
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FLORIDA PROFESSIONAL ENGINEERING NO. 12517
FLORIDA STATE P.E. NUMBER: 8131

Second Floor Plans - Area#2 - Electrical

REV.	DESCRIPTION	DATE
16-166	100% CONSTR. DOCS	
1-0'-0"	SCALE	
GAD FILE	FILE NAME	
MB	DRAWN BY	
ADJR	CHECKED BY	
12/18/17	DATE	

E-102



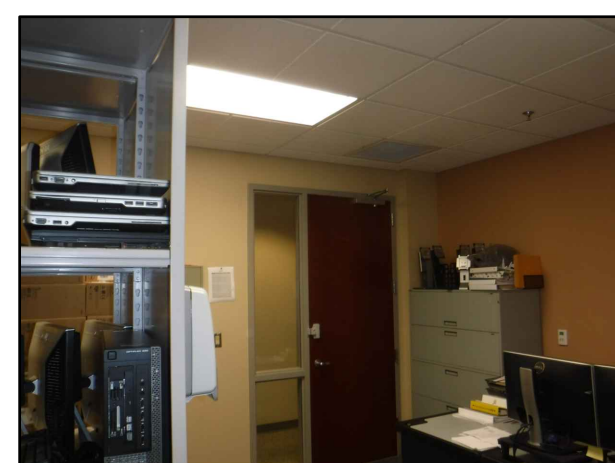
1 2ND FLOOR EXISTING DEMO PLAN - AREA#3 - ELECTRICAL
E-103 SCALE: 3/16 = 1'-0"

EXISTING CONDITIONS NOTES

1. THIS DRAWING HAS BEEN PREPARED FROM FIELD INVESTIGATIONS. CONTRACTOR SHALL VISIT THE BUILDING AND TAKE SUCH OTHER STEPS AS MAY BE REASONABLY NECESSARY TO ASCERTAIN THE NATURE AND LOCATION OF WORK, AND THE GENERAL AND LOCAL CONDITIONS WHICH CAN AFFECT THE WORK OR THE COST THEREOF.
2. EVERY EFFORT HAS BEEN MADE TO DETAIL EACH CONDITION. THE DRAWING MAY NOT DETAIL EVERY CONDITION OR LOCATION ENCOUNTER. MANY CONDITIONS ARE TYPICAL OR SIMILAR TO THE DRAWING SHOWN.
3. CONFLICTS AND/OR PROBLEMS SHALL BE REPORTED PRIOR TO BIDDING FOR RESOLUTION. FAILURE TO REPORT THESE CONFLICTS PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AT NO ADDITIONAL COST TO THE OWNER.

DEMOLITION KEY NOTES

- 1 EXISTING LIGHT FIXTURE TO REMAIN. DISCONNECT AND REMOVE EXISTING POWER WIRING AND CONDUIT CONNECTED TO FIXTURE BACK TO EXISTING JUNCTION BOX. REWIRE OTHER EXISTING TO REMAIN LIGHT FIXTURES IN EXISTING IT STORAGE WORK SPACE FROM EXISTING WALL SWITCH AS REQUIRED. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.
- 2 EXISTING LIGHT FIXTURE TO REMAIN. EXISTING POWER WIRING AND CONDUIT CONNECTED TO FIXTURE TO REMAIN. EXISTING WALL SWITCH TO REMAIN.
- 3 EXISTING LIGHT SWITCH TO BE REMOVED AND SAVED FOR REUSE. DISCONNECT AND REMOVE POWER WIRING TO EXISTING WALL SWITCH.
- 4 EXISTING WALL OUTLET TO REMAIN. EXISTING POWER WIRING AND CONDUIT CONNECTED TO WALL OUTLET TO REMAIN.
- 5 EXISTING FIRE ALARM DEVICE TO REMAIN.
- 6 EXISTING DUPLEX WALL OUTLET TO BE REMOVED. DISCONNECT POWER WIRING TO EXISTING OUTLET.
- 7 EXISTING DATA OUTLET TO REMAIN. EXISTING DATA WIRING TO OUTLET TO REMAIN.



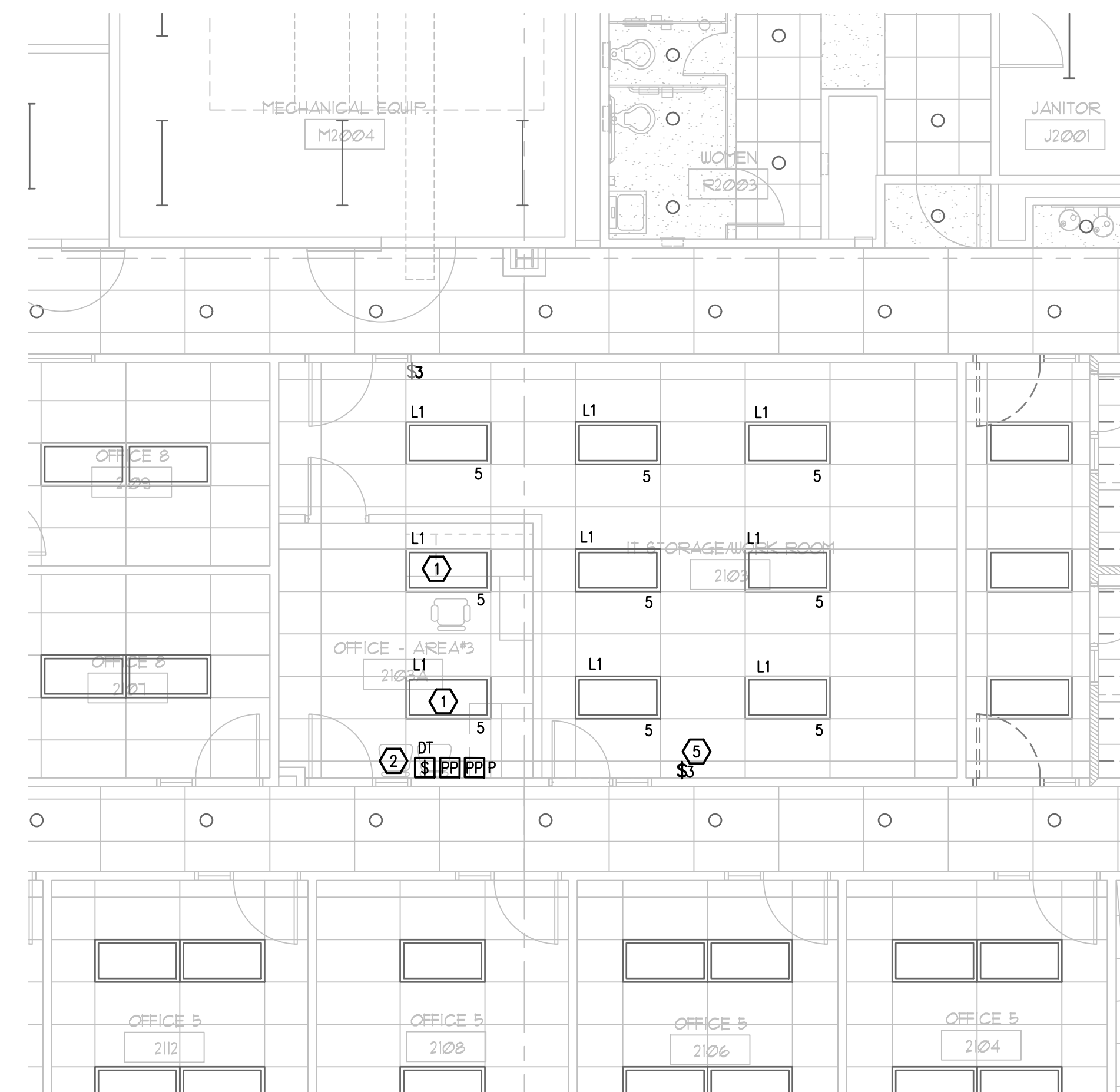
EXISTING CEILING IN AREA #3 TO BE RENOVATED

RENOVATION KEY NOTES

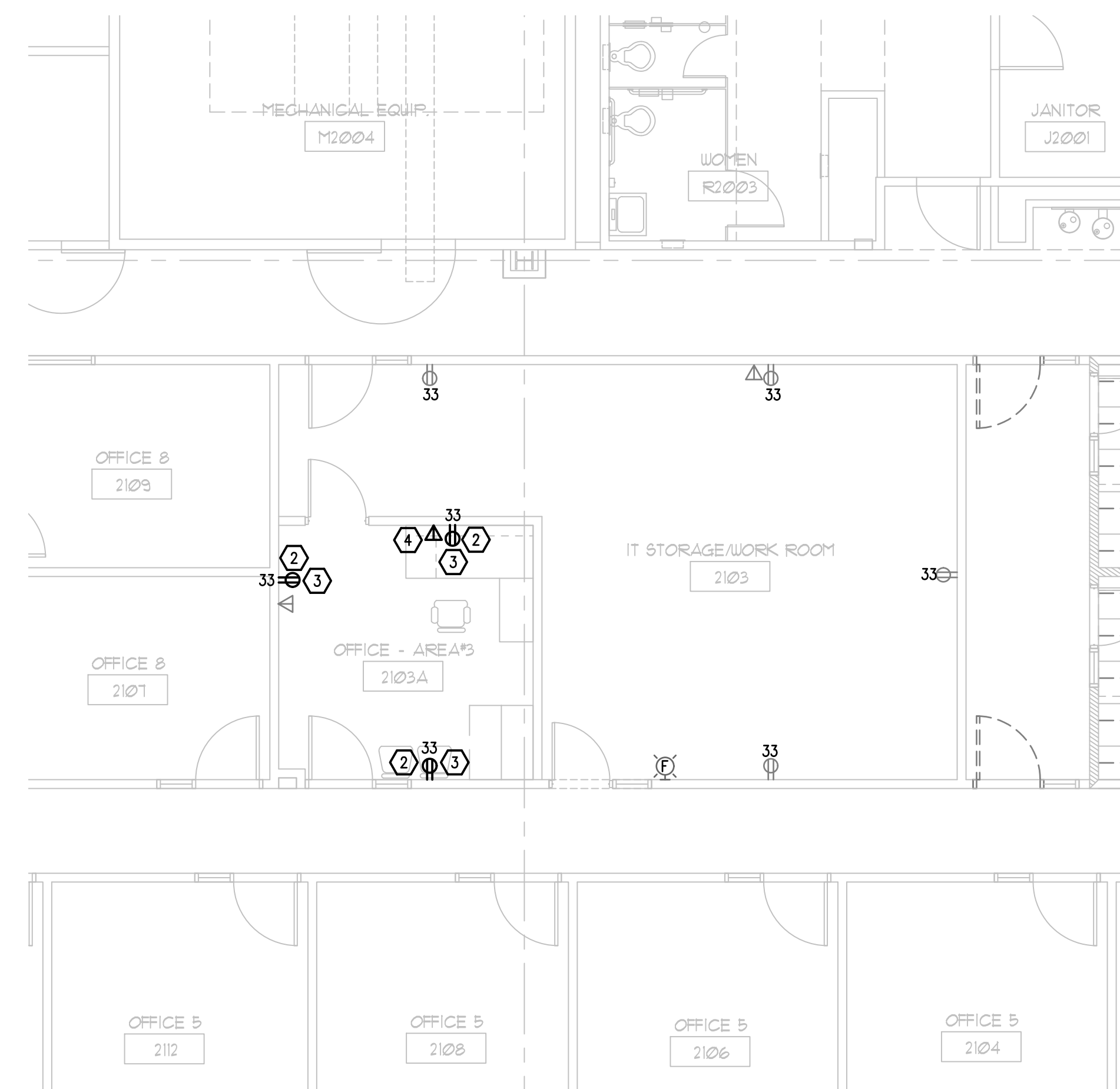
- 1 CONNECT POWER TO EXISTING LIGHT FIXTURE FROM NEW WALL SWITCH OCCUPANCY SENSOR AS SHOWN ON PLAN. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED. CLEAN AND REFURBISH EXISTING LIGHTING FIXTURE AS REQUIRED.
- 2 PROVIDE AUTOMATIC RECEPTACLE CONTROL IN THE OFFICE TO COMPLY WITH THE FLORIDA ENERGY CODE AND ASHRAE 90.1. RECEPTACLES ARE CONTROLLED THRU LIGHTING OCCUPANCY SENSOR AND PLUG LOAD CONTROLLER. SEE TYPICAL DIAGRAM ON SHEET E-001. SPLIT-WIRE RECEPTACLE SO THAT TOP HALF IS CONTROLLED AND PROVIDE CONTROLLED RECEPTACLES WITH THE APPROPRIATE MARKING.
- 3 PROVIDE NEW DUPLEX RECEPTACLE AND CONNECT TO EXISTING RECEPTACLE CIRCUIT. VERIFY CIRCUIT NUMBER.
- 4 PROVIDE NEW DATA OUTLET ON WALL, EXACT LOCATION OF NEW DATA OUTLET TO BE DETERMINED IN THE FIELD. PROVIDE NEW CONDUIT AND WIRING TO NEW DATA OUTLET FROM EXISTING DATA CIRCUIT AS REQUIRED.
- 5 RELOCATED WALL SWITCH FOR EXISTING LIGHT FIXTURES IN THE IT STORAGE WORK ROOM. RECONNECT WALL SWITCH TO EXISTING POWER CIRCUIT AS REQUIRED. CONNECT POWER FROM WALL SWITCH TO EXISTING LIGHT FIXTURES AS REQUIRED. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.

GENERAL NOTES

1. REFER TO COMPLETE GENERAL NOTES ON SHEET E-001.
2. COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
3. LETTERS AND NUMBERS ON THE PLAN THAT ARE SHOWN NEXT TO DEVICES INDICATE THE PANEL AND CIRCUIT NUMBER FEEDING THAT DEVICE, EXAMPLE - A-1.
4. CONTRACTOR TO PROTECT ALL EXISTING WALL, DOORS, FLOORS AND CEILING SURFACES TO REMAIN THROUGH OUT CONSTRUCTION. CONTRACTOR TO REPAIR OR REPLACE ANY DAMAGED SURFACE AT THEIR OWN EXPENSE.



2 2ND FLOOR RENOVATION PLAN - AREA#3 - LIGHTING
E-103 SCALE: 3/16 = 1'-0"



3 2ND FLOOR RENOVATION PLAN - AREA#3 - POWER
E-103 SCALE: 3/16 = 1'-0"

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

CONSULTANTS

SIGNATURE AND DATED SEAL

BORRELLI + PARTNERS

ARCHITECTURE PLANNING LANDSCAPE INTERIOR

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ORLANDO, FL 32804 407.418.1338

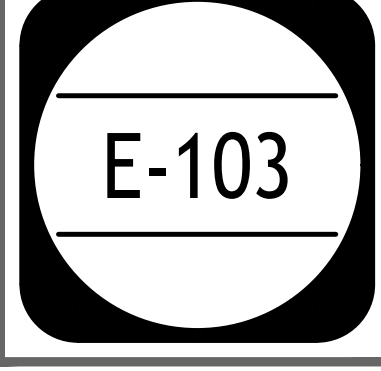
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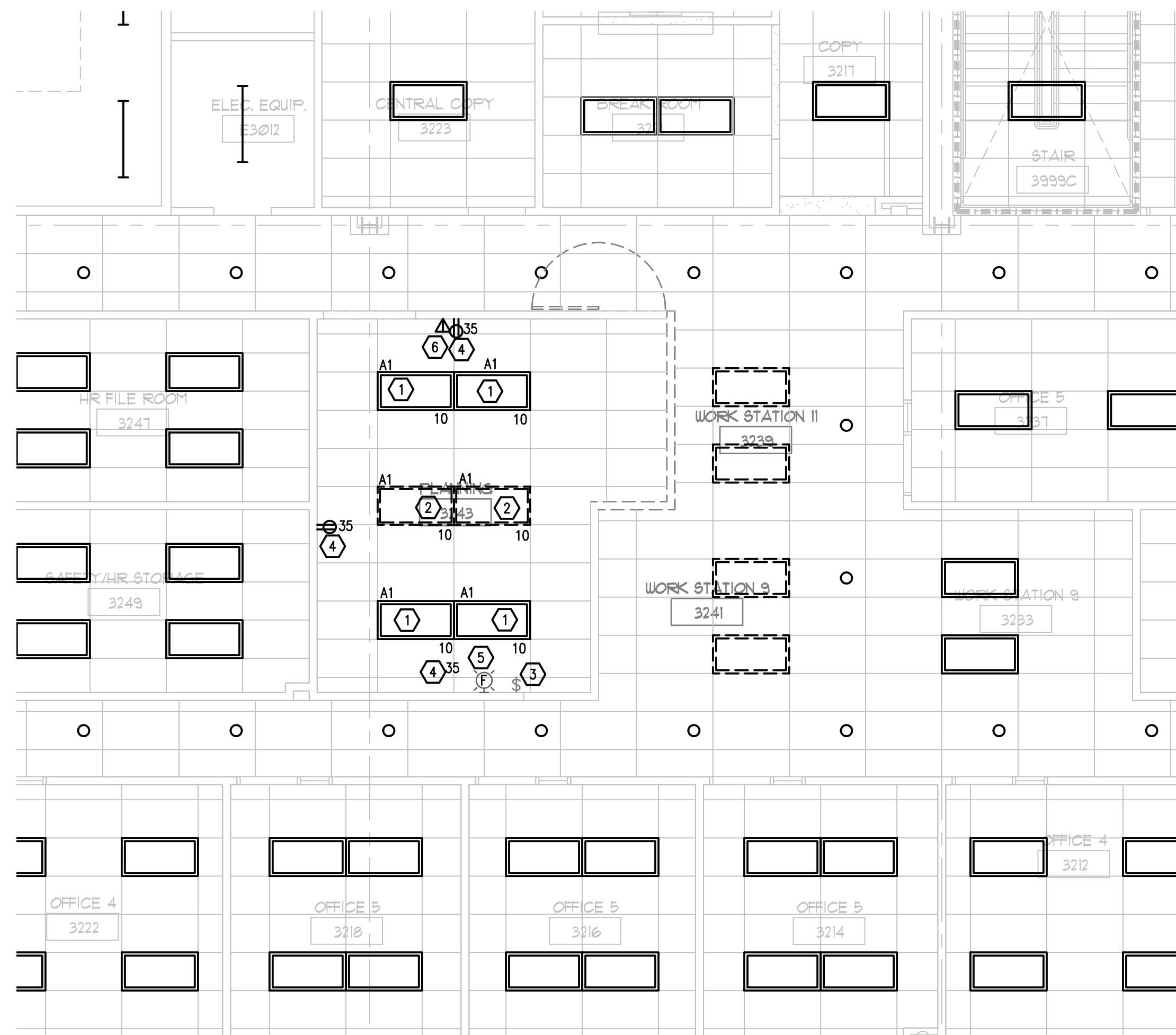
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CONSULTING ENGINEERS
100 CIRCLE DRIVE, MAITLAND, FL 32751
FLORIDA PROFESSIONAL ENGINEERING NO. 12511
FLORIDA STATE P.E. NUMBER: 8131

ACQUILINO E. BORRES JR., P.E.
FLORIDA P.E. # 39410

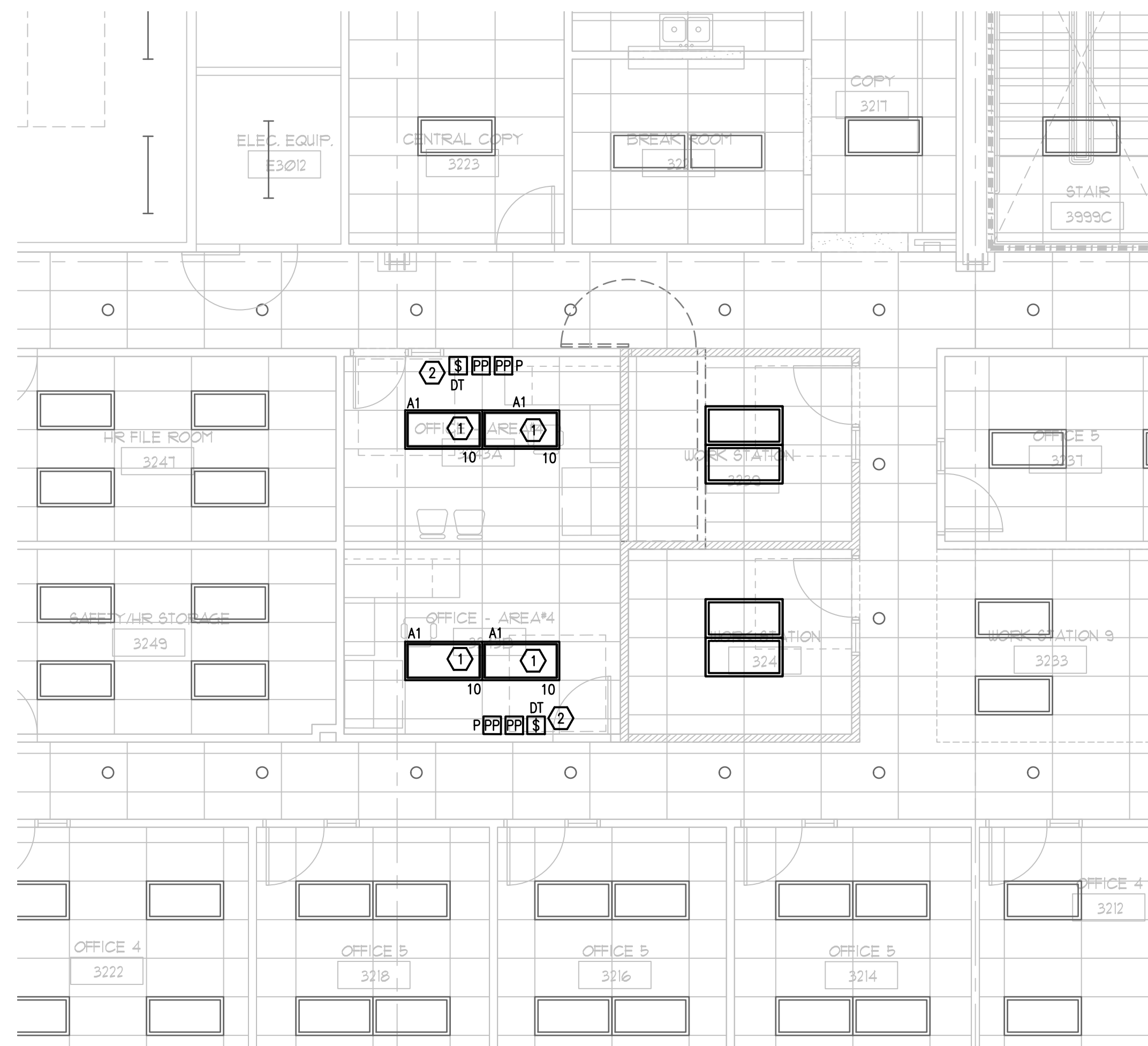
Second Floor Plans - Area#3 - Electrical

PROJECT NO.	DESCRIPTION	DATE	PROJECT ADDRESS	DRAWING TITLE
16-166	100% CONST. DOCS		OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825	Second Floor Plans - Area#3 - Electrical
SCALE			OWNER NAME AND ADDRESS	
FILE NAME			ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825	
DRAWN BY				
CHECKED BY				
DATE		12-18-17		





1 3RD FLOOR EXISTING DEMO PLAN - AREA#4 - ELECTRICAL
E-104 SCALE: 3/16 = 1'-0"



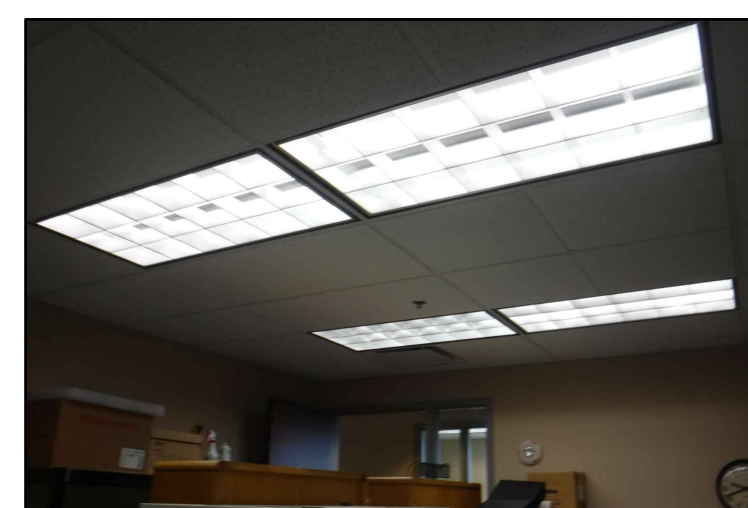
2 3RD FLOOR RENOVATION PLAN - AREA#4 - LIGHTING
E-104 SCALE: 3/16 = 1'-0"

EXISTING CONDITIONS NOTES

1. THIS DRAWING HAS BEEN PREPARED FROM FIELD INVESTIGATIONS. CONTRACTOR SHALL VISIT THE BUILDING AND TAKE SUCH OTHER STEPS AS MAY BE REASONABLY NECESSARY TO ASCERTAIN THE NATURE AND LOCATION OF WORK, AND THE GENERAL AND LOCAL CONDITIONS WHICH CAN AFFECT THE WORK OR THE COST THEREOF.
2. EVERY EFFORT HAS BEEN MADE TO DETAIL EACH CONDITION. THE DRAWING MAY NOT DETAIL EVERY CONDITION OR LOCATION ENCOUNTERED. MANY CONDITIONS ARE TYPICAL OR SIMILAR TO THE DRAWING SHOWN.
3. CONFLICTS AND/OR PROBLEMS SHALL BE REPORTED PRIOR TO BIDDING FOR RESOLUTION. FAILURE TO REPORT THESE CONFLICTS PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AT NO ADDITIONAL COST TO THE OWNER.

DEMOLITION KEY NOTES

1. EXISTING LIGHT FIXTURE TO REMAIN. DISCONNECT AND REMOVE EXISTING POWER WIRING AND CONDUIT CONNECTED TO FIXTURE BACK TO EXISTING JUNCTION BOX.
2. EXISTING LIGHT FIXTURE TO BE REMOVED AND TURNED OVER TO THE OWNER. DISCONNECT AND REMOVE POWER WIRING AND CONDUIT BACK TO EXISTING JUNCTION BOX.
3. EXISTING LIGHT SWITCH TO BE REMOVED.
4. EXISTING WALL MOUNTED DUPLEX RECEPTACLE TO BE REMOVED. DISCONNECT AND REMOVE POWER WIRING TO WALL OUTLET.
5. EXISTING FIRE ALARM DEVICE TO REMAIN. EXISTING FIRE ALARM WIRING AND CONDUIT TO REMAIN.
6. EXISTING WALL DATA OUTLET TO REMAIN.



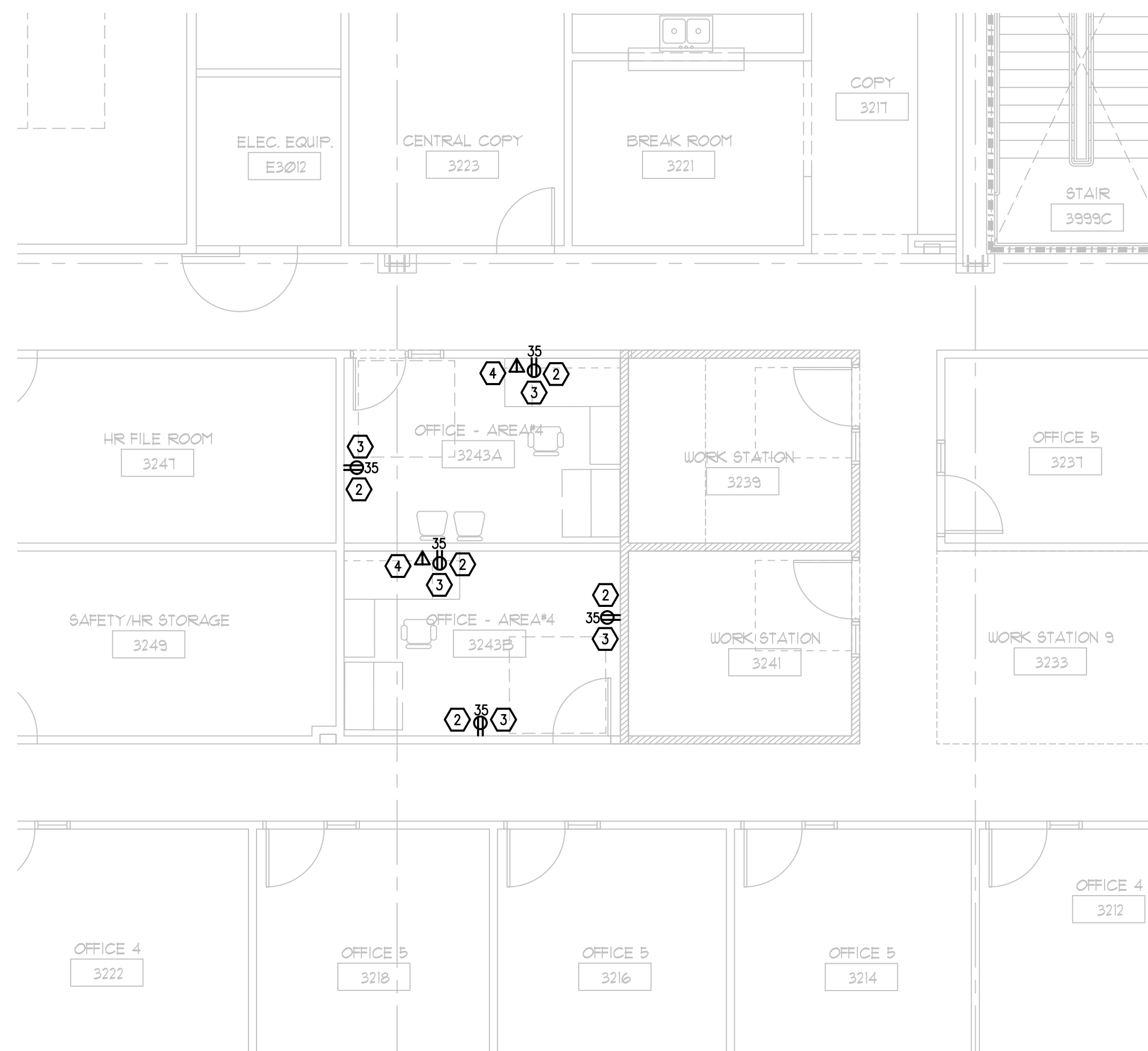
EXISTING CEILING IN AREA #4 TO BE RENOVATED

RENOVATION KEY NOTES

1. CONNECT POWER TO EXISTING LIGHT FIXTURE FROM NEW WALL SWITCH OCCUPANCY SENSOR AS SHOWN ON PLAN. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED. CLEAN AND REFURBISH EXISTING LIGHTING FIXTURE AS REQUIRED.
2. PROVIDE AUTOMATIC RECEPTACLE CONTROL IN THE OFFICE TO COMPLY WITH THE FLORIDA ENERGY CODE AND ASHRAE 90.1. RECEPTACLES ARE CONTROLLED THRU LIGHTING OCCUPANCY SENSOR AND PLUG LOAD CONTROLLER. SEE TYPICAL DIAGRAM ON SHEET E-001. SPLIT-WIRE RECEPTACLE SO THAT TOP HALF IS CONTROLLED AND PROVIDE CONTROLLED RECEPTACLES WITH THE APPROPRIATE MARKING.
3. PROVIDE NEW DUPLEX RECEPTACLE AND CONNECT TO EXISTING RECEPTACLE CIRCUIT. VERIFY CIRCUIT NUMBER.
4. PROVIDE NEW DATA OUTLET ON WALL. EXACT LOCATION OF NEW DATA OUTLET TO BE DETERMINED IN THE FIELD. PROVIDE NEW CONDUIT AND WIRING TO NEW DATA OUTLET FROM EXISTING DATA CIRCUIT AS REQUIRED.

GENERAL NOTES

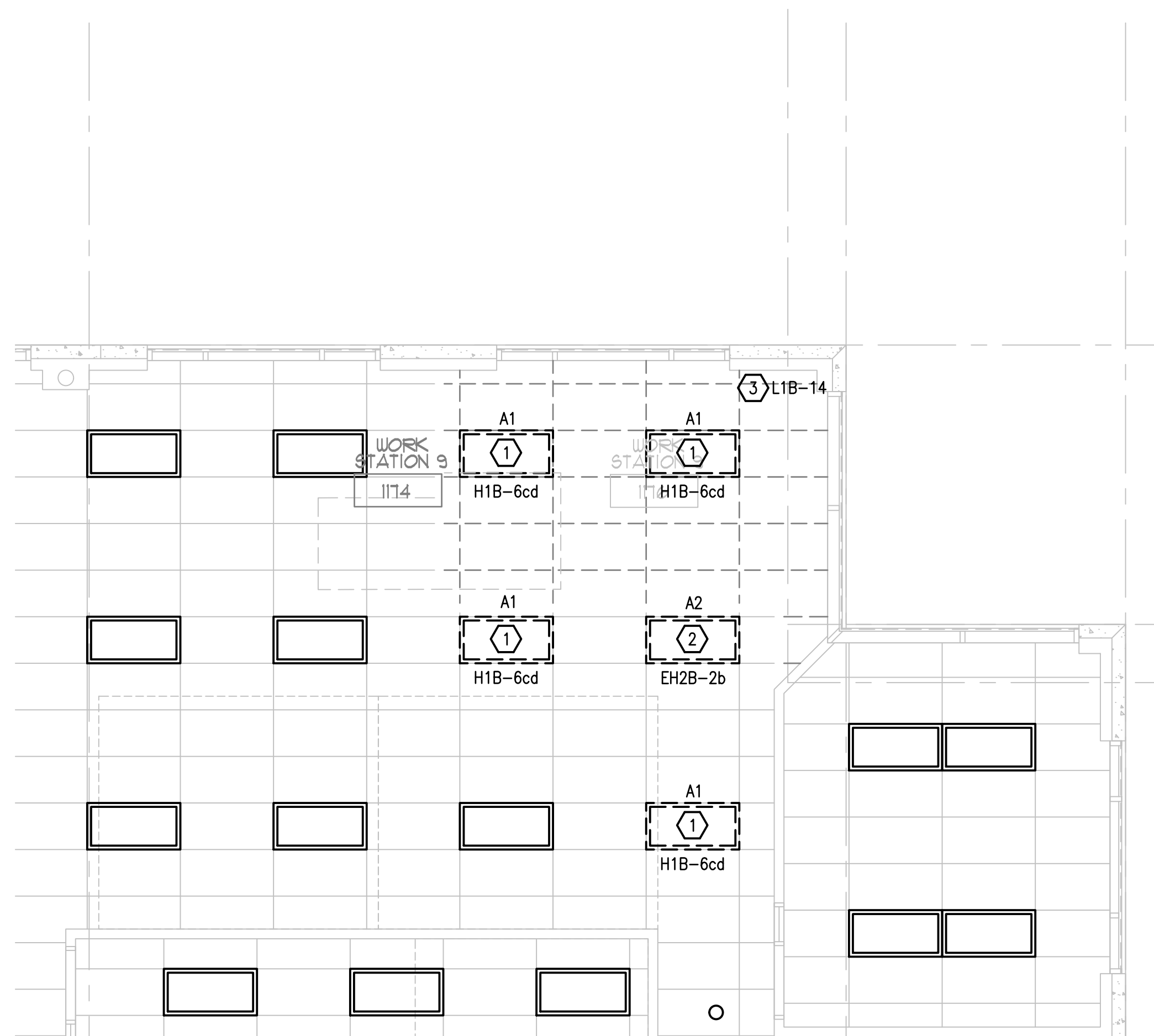
1. REFER TO GENERAL NOTES ON SHEET E-001.
2. COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
3. LETTERS AND NUMBERS ON THE PLAN THAT ARE SHOWN NEXT TO DEVICES INDICATE THE PANEL AND CIRCUIT NUMBER FEEDING THAT DEVICE, EXAMPLE - A-1.
4. CONTRACTOR TO PROTECT ALL EXISTING WALLS, DOORS, FLOORS AND CEILING SURFACES TO REMAIN THROUGH OUT CONSTRUCTION. CONTRACTOR TO REPAIR OR REPLACE ANY DAMAGED SURFACE AT THEIR OWN EXPENSE.



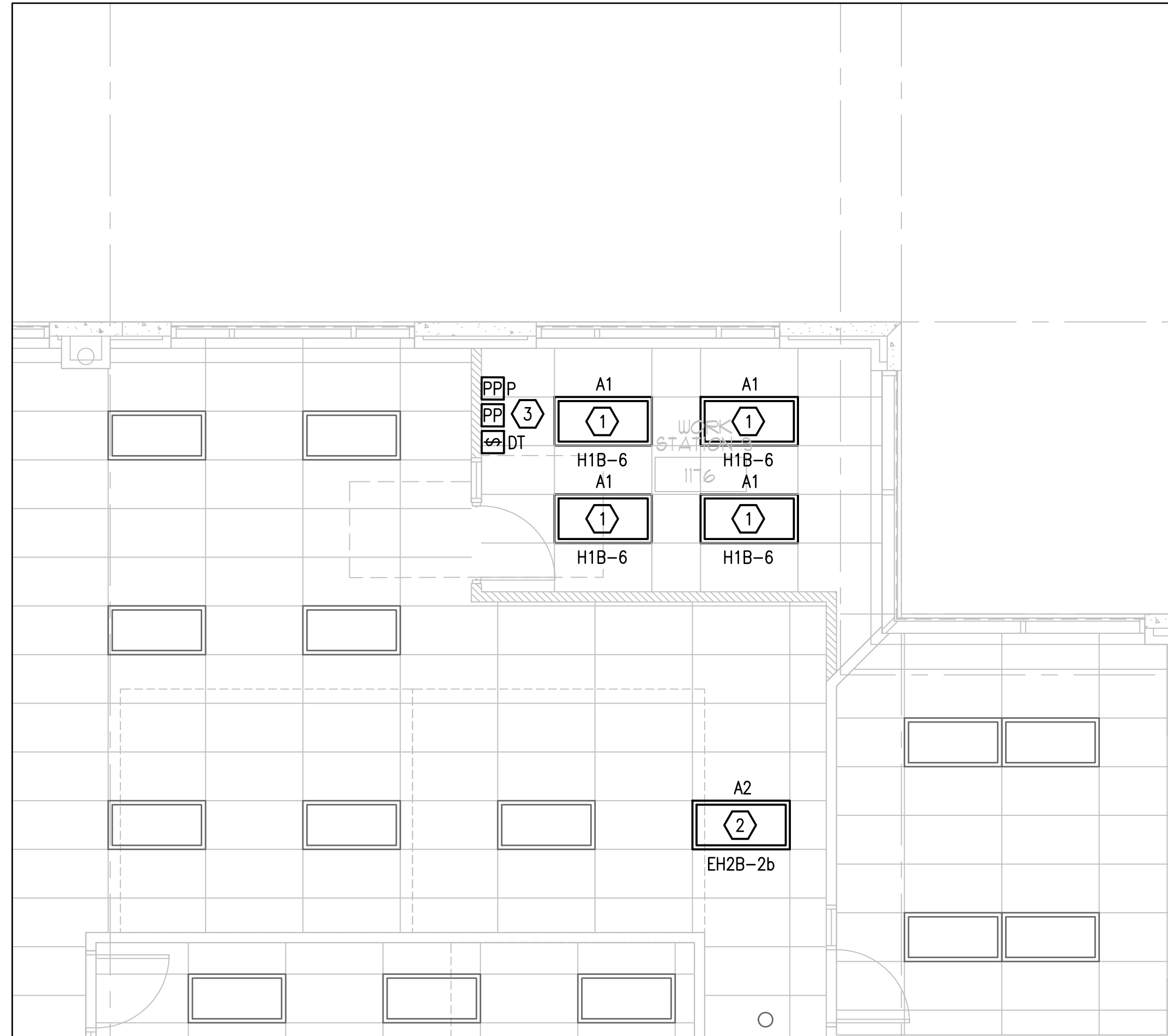
3 3RD FLOOR RENOVATION PLAN - AREA#4 - POWER
E-104 SCALE: 3/16 = 1'-0"

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

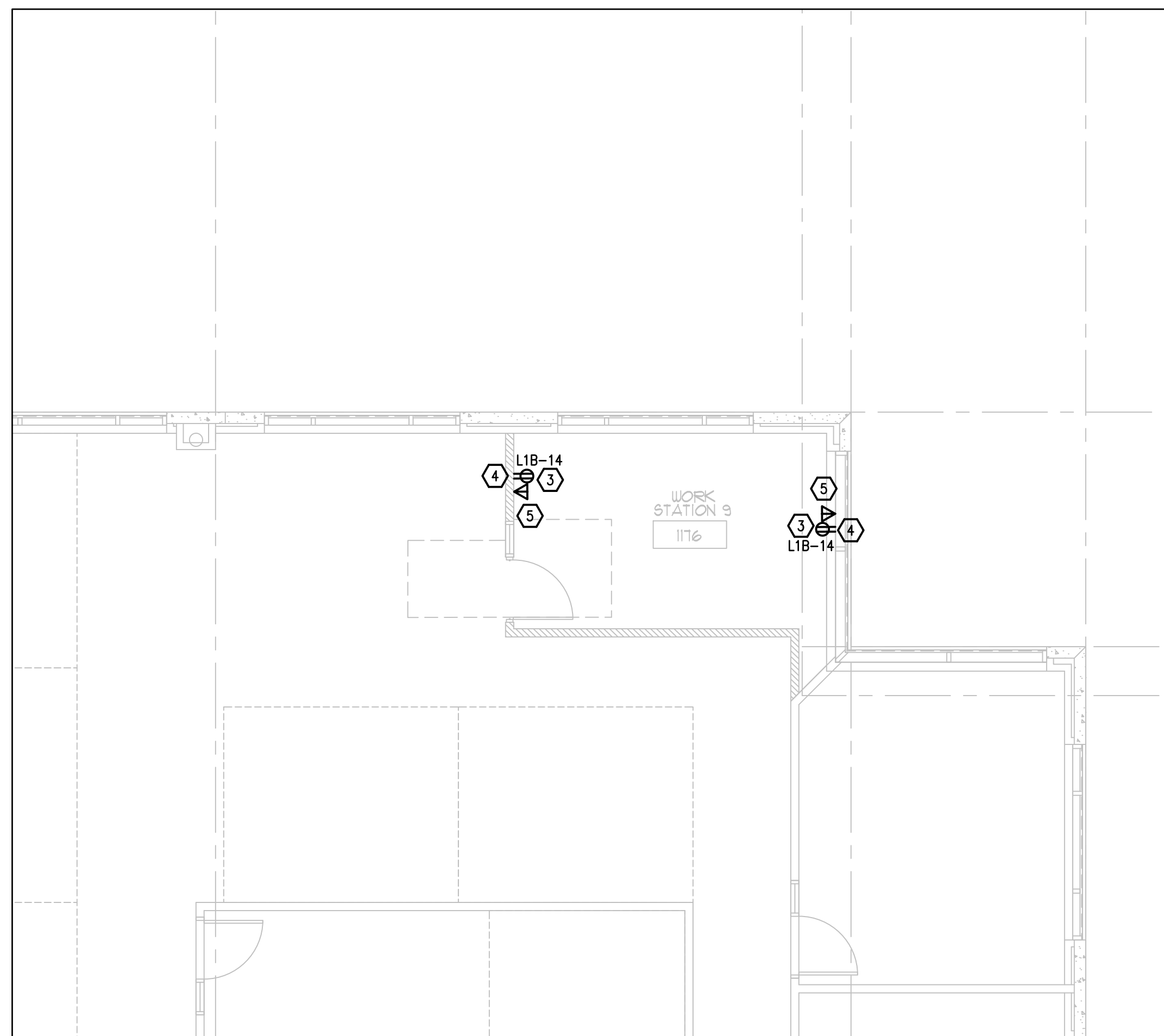
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		CONSULTANTS SIGNATURE AND DATED SEAL	
PROJECT ADDRESS OCU CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825		DRAWING TITLE Third Floor Plan - Area#4 - Electrical	
OWNER NAME AND ADDRESS ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825		PROJECT NO. 16-166	
FILE NAME GAD FILE		REV. DESCRIPTION DATE 100% CONST DOCS 1'-0" 12/18/17	
DRAWN BY MB		CHECKED BY MB	
DATE 12/18/17		PROJECT PHASE 100% CONST DOCS	



1 1ST FLOOR EXISTING DEMO PLAN - AREA#5 - ELECTRICAL
E-106 SCALE: 3/16 = 1'-0"



2 1ST FLOOR RENOVATION PLAN - AREA#5 - LIGHTING
E-106 SCALE: 3/16 = 1'-0"



3 1ST FLOOR RENOVATION PLAN - AREA#5 - POWER
E-106 SCALE: 3/16 = 1'-0"

EXISTING CONDITIONS NOTES

1. THIS DRAWING HAS BEEN PREPARED FROM FIELD INVESTIGATIONS. CONTRACTOR SHALL VISIT THE BUILDING AND TAKE SUCH OTHER STEPS AS MAY BE REASONABLY NECESSARY TO ASCERTAIN THE NATURE AND LOCATION OF WORK, AND THE GENERAL AND LOCAL CONDITIONS WHICH CAN AFFECT THE WORK OR THE COST THEREOF.
2. EVERY EFFORT HAS BEEN MADE TO DETAIL EACH CONDITION. THE DRAWING MAY NOT DETAIL EVERY CONDITION OR LOCATION ENCOUNTERED. MANY CONDITIONS ARE TYPICAL OR SIMILAR TO THE DRAWING SHOWN.
3. CONFLICTS AND/OR PROBLEMS SHALL BE REPORTED PRIOR TO BIDDING FOR RESOLUTION. FAILURE TO REPORT THESE CONFLICTS PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AT NO ADDITIONAL COST TO THE OWNER.

DEMOLITION KEY NOTES

- 1 EXISTING LIGHT FIXTURE TO BE REMOVED AND SAVED FOR REUSE. DISCONNECT AND REMOVE LIGHTING CIRCUIT BACK TO NEAREST JUNCTION BOX.
- 2 EXISTING EMERGENCY LIGHT FIXTURE AND EMERGENCY LIGHTING CIRCUIT TO BE REMOVED AND RELOCATED.
- 3 RETAIN EXISTING RECEPTACLE CIRCUIT THAT FEEDS WORKSTATION TO FEED NEW RECEPTACLES. VERIFY CIRCUIT NUMBER.

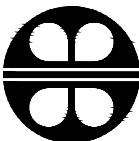
RENOVATION KEY NOTES


- 1 CLEAN AND REFURBISH EXISTING LIGHTING FIXTURE AS REQUIRED. REINSTALL LIGHT FIXTURE IN CEILING AND CONNECT TO EXISTING LIGHTING CIRCUIT.
- 2 CLEAN AND REFURBISH EXISTING EMERGENCY LIGHT FIXTURE AS REQUIRED. REINSTALL AT NEW LOCATION IN CEILING AND RECONNECT TO EXISTING EMERGENCY CIRCUIT.
- 3 PROVIDE AUTOMATIC RECEPTACLE CONTROL IN THE OFFICE TO COMPLY WITH THE FLORIDA ENERGY CODE AND ASHRAE 90.1. RECEPTACLES ARE CONTROLLED THRU LIGHTING OCCUPANCY SENSOR AND PLUG LOAD CONTROLLER. SEE TYPICAL DIAGRAM ON SHEET E-001. SPLIT-WIRE RECEPTACLE SO THAT TOP HALF IS CONTROLLED AND PROVIDE CONTROLLED RECEPTACLES WITH THE APPROPRIATE MARKING.
- 4 PROVIDE NEW DUPLEX RECEPTACLE AND CONNECT TO EXISTING RECEPTACLE CIRCUIT. VERIFY CIRCUIT NUMBER.
- 5 PROVIDE NEW DATA OUTLET ON WALL, EXACT LOCATION OF NEW DATA OUTLET TO BE DETERMINED IN THE FIELD. PROVIDE NEW CONDUIT AND WIRING TO NEW DATA OUTLET FROM EXISTING DATA CIRCUIT AS REQUIRED.

GENERAL NOTES

1. REFER TO GENERAL NOTES ON SHEET E-001.
2. COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
3. LETTERS AND NUMBERS ON THE PLAN THAT ARE SHOWN NEXT TO DEVICES INDICATE THE PANEL AND CIRCUIT NUMBER FEEDING THAT DEVICE, EXAMPLE - A-1.
4. CONTRACTOR TO PROTECT ALL EXISTING WALLS, DOORS, FLOORS AND CEILING SURFACES TO REMAIN THROUGH OUT CONSTRUCTION. CONTRACTOR TO REPAIR OR REPLACE ANY DAMAGED SURFACE AT THEIR OWN EXPENSE.

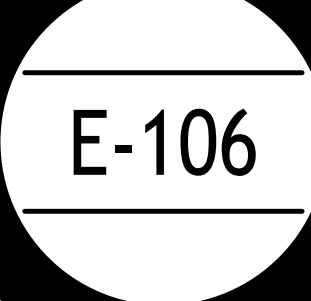
INTERIOR MODIFICATIONS AT THE OCJ ADMINISTRATION BUILDING

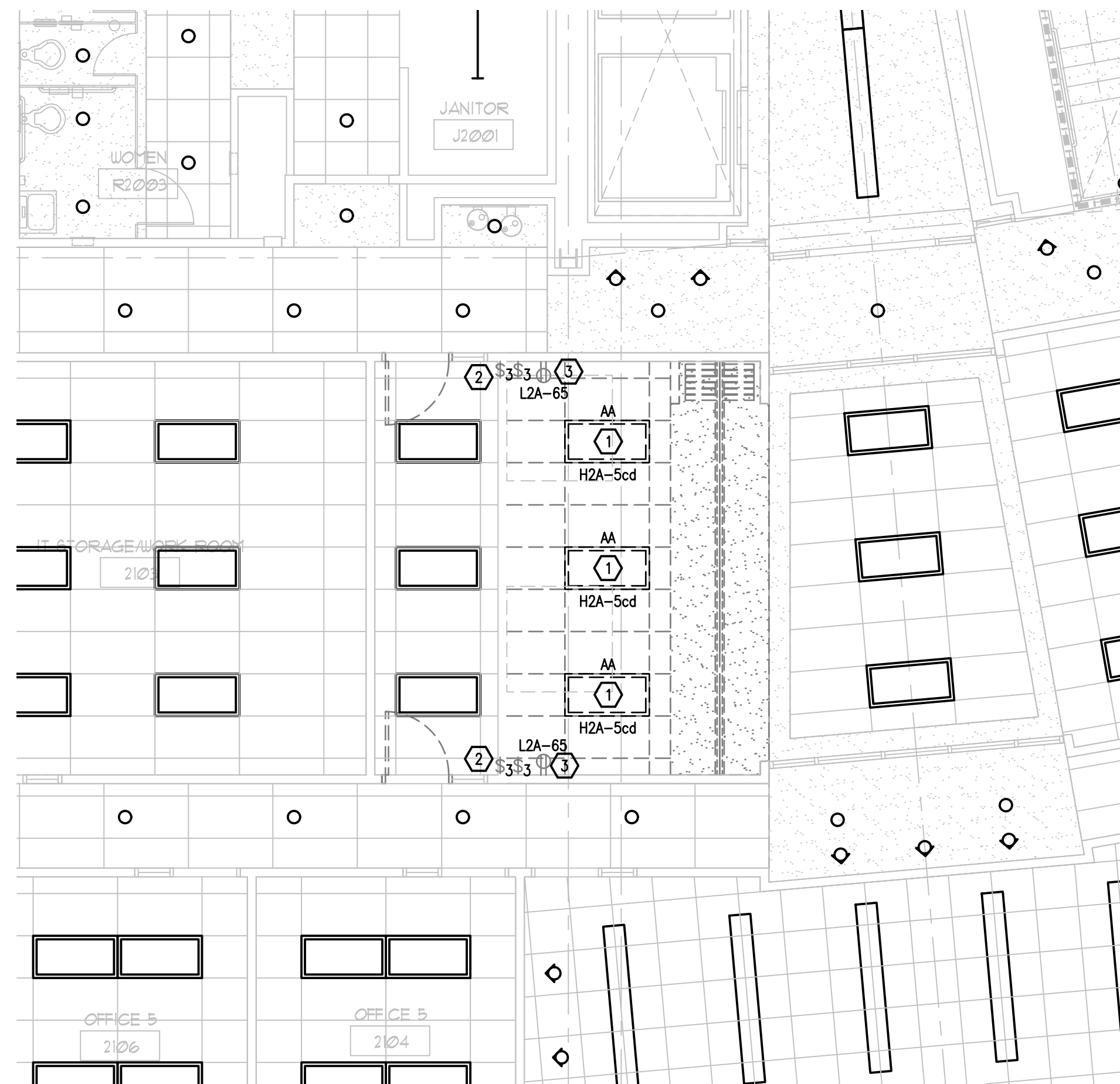

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 CONSULTING ENGINEERS
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 FLORIDA PROFESSIONAL ENGINEERING NO. 12510
 FLORIDA STATE P.E. NUMBER: 2131
ACCREDITED BY BOBES JR., P.E. FLORIDA P.E. # 39410

CONSULTANTS
 SIGNATURE AND DATED SEAL
 First Floor Plans - Area#5 - Electrical

PROJECT NO.	DESCRIPTION	DATE	PROJECT ADDRESS	DRAWING TITLE
16-166	100% CONST. DOCS		OCJ CENTRAL ADMINISTRATION BUILDING 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825	First Floor Plans - Area#5 - Electrical
PHASE	SCALE		OWNER NAME AND ADDRESS	
1-0'-0"			ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825	
FILE NAME	DRAWN BY			
GAD FILE	MB			
CHECKED BY	ADP			
DATE		12-18-17		


E-106



1 2ND FLOOR EXISTING DEMO PLAN - AREA#6 - ELECTRICAL
E-107 SCALE: 3/16 = 1'-0"

EXISTING CONDITIONS NOTES

1. THIS DRAWING HAS BEEN PREPARED FROM FIELD INVESTIGATIONS. CONTRACTOR SHALL VISIT THE BUILDING AND TAKE SUCH OTHER STEPS AS MAY BE REASONABLY NECESSARY TO ASCERTAIN THE NATURE AND LOCATION OF WORK, AND THE GENERAL AND LOCAL CONDITIONS WHICH CAN AFFECT THE WORK OR THE COST THEREOF.
2. EVERY EFFORT HAS BEEN MADE TO DETAIL EACH CONDITION. THE DRAWING MAY NOT DETAIL EVERY CONDITION OR LOCATION ENCOUNTER. MANY CONDITIONS ARE TYPICAL OR SIMILAR TO THE DRAWING SHOWN.
3. CONFLICTS AND/OR PROBLEMS SHALL BE REPORTED PRIOR TO BIDDING FOR RESOLUTION. FAILURE TO REPORT THESE CONFLICTS PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AT NO ADDITIONAL COST TO THE OWNER.

DEMOLITION KEY NOTES

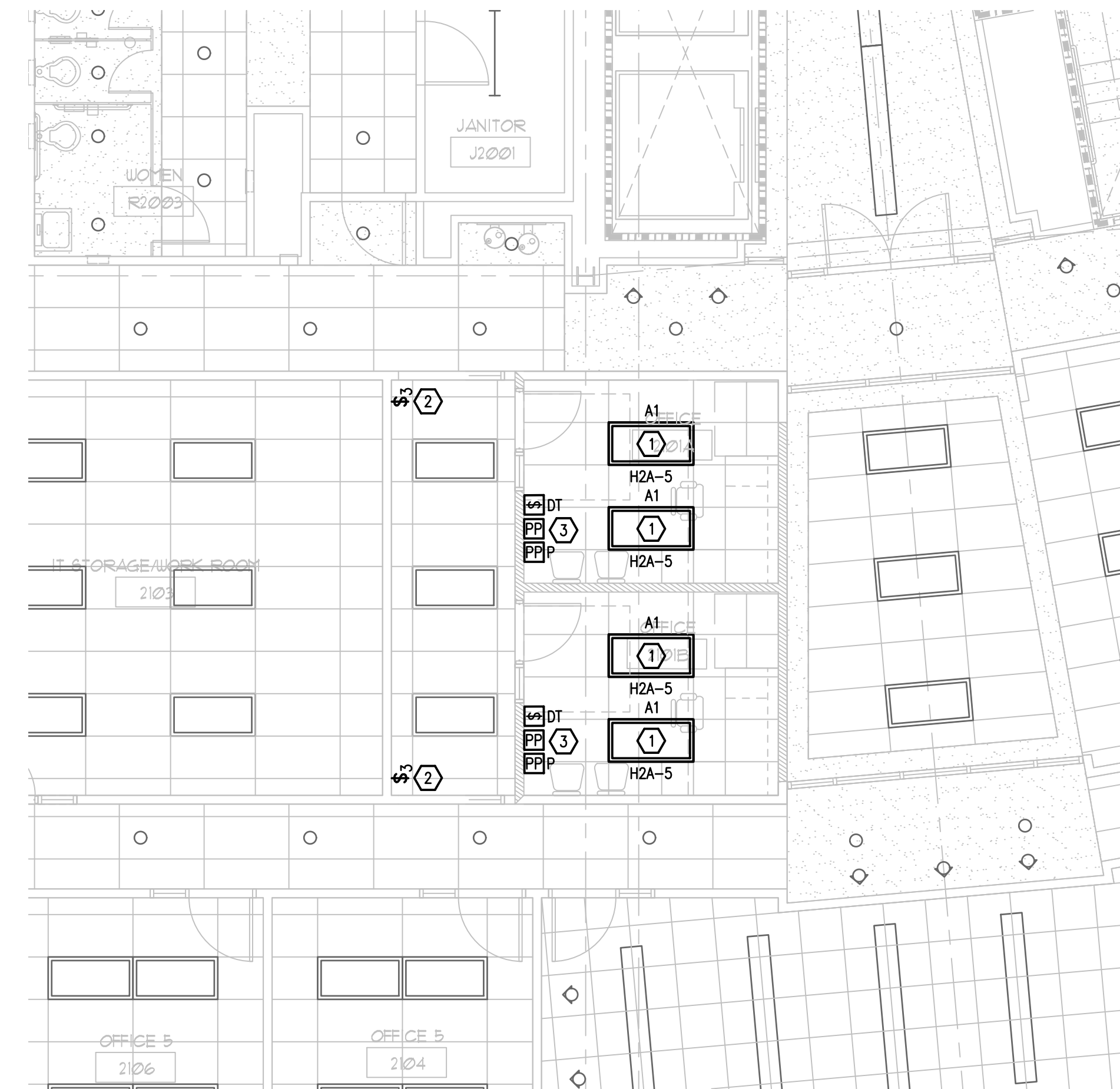
- 1 EXISTING LIGHT FIXTURES TO BE REMOVED. RETAIN EXISTING LIGHTING CIRCUIT TO FEED NEW FIXTURES. VERIFY CIRCUIT NUMBER.
- 2 EXISTING LIGHT SWITCHES TO BE REMOVED AND REPLACED.
- 3 EXISTING RECEPTACLE TO BE REMOVED IF REQUIRED FOR NEW WALL CONSTRUCTION. RECEPTACLE CIRCUIT TO BE RETAINED TO FEED NEW RECEPTACLES. VERIFY CIRCUIT NUMBER.

RENOVATION KEY NOTES

- 1 INSTALL NEW LIGHT FIXTURE, 3 LAMP, 2X4 PARABOLIC, (3)32W T8, 277V (TO MATCH EXISTING IN OTHER OFFICES) AND CONNECT TO EXISTING LIGHTING CIRCUIT. VERIFY CIRCUIT NUMBER.
- 2 INSTALL NEW 3-WAY SWITCHES TO CONTROL EXISTING CORRIDOR LIGHTING.
- 3 PROVIDE AUTOMATIC RECEPTACLE CONTROL IN THE OFFICE TO COMPLY WITH THE FLORIDA ENERGY CODE AND ASHRAE 90.1. RECEPTACLES ARE CONTROLLED THRU LIGHTING OCCUPANCY SENSOR AND PLUG LOAD CONTROLLER. SEE TYPICAL DIAGRAM ON SHEET E-001. SPLIT-WIRE RECEPTACLE SO THAT TOP HALF IS CONTROLLED AND PROVIDE CONTROLLED RECEPTACLES WITH THE APPROPRIATE MARKING.
- 4 PROVIDE NEW DUPLEX RECEPTACLE AND CONNECT TO EXISTING RECEPTACLE CIRCUIT. VERIFY CIRCUIT NUMBER.
- 5 PROVIDE NEW DATA OUTLET ON WALL. EXACT LOCATION OF NEW DATA OUTLET TO BE DETERMINED IN THE FIELD. PROVIDE NEW CONDUIT AND WIRING TO NEW DATA OUTLET FROM EXISTING DATA CIRCUIT AS REQUIRED.

GENERAL NOTES

1. REFER TO COMPLETE GENERAL NOTES ON SHEET E-001.
2. COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
3. LETTERS AND NUMBERS ON THE PLAN THAT ARE SHOWN NEXT TO DEVICES INDICATE THE PANEL AND CIRCUIT NUMBER FEEDING THAT DEVICE, EXAMPLE - A-1.
4. CONTRACTOR TO PROTECT ALL EXISTING WALL, DOORS, FLOORS AND CEILING SURFACES TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO REPAIR OR REPLACE ANY DAMAGED SURFACE AT THEIR OWN EXPENSE.



2 2ND FLOOR RENOVATION PLAN - AREA#6 - LIGHTING
E-107 SCALE: 3/16 = 1'-0"

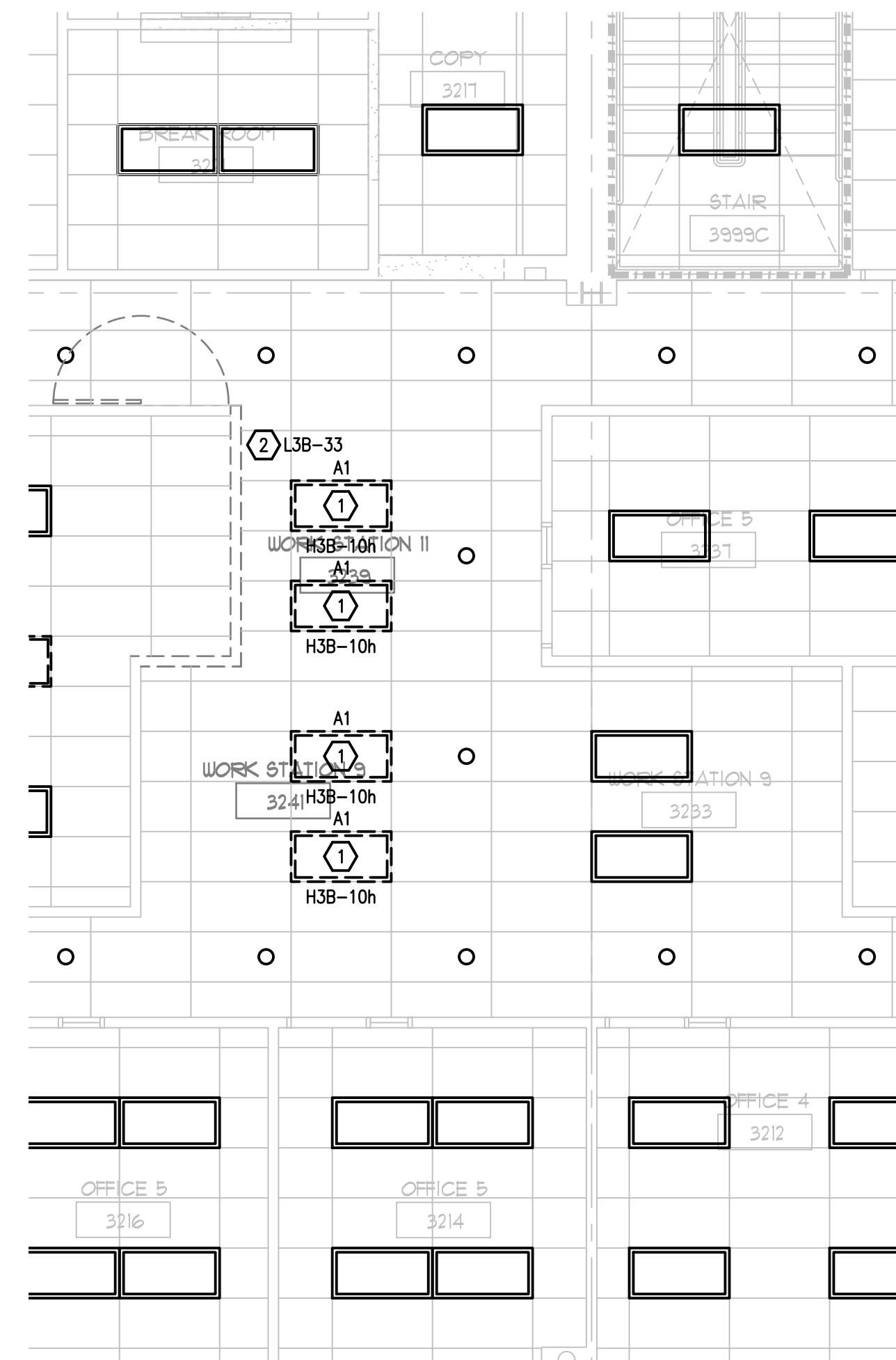


3 2ND FLOOR RENOVATION PLAN - AREA#6 - POWER
E-107 SCALE: 3/16 = 1'-0"

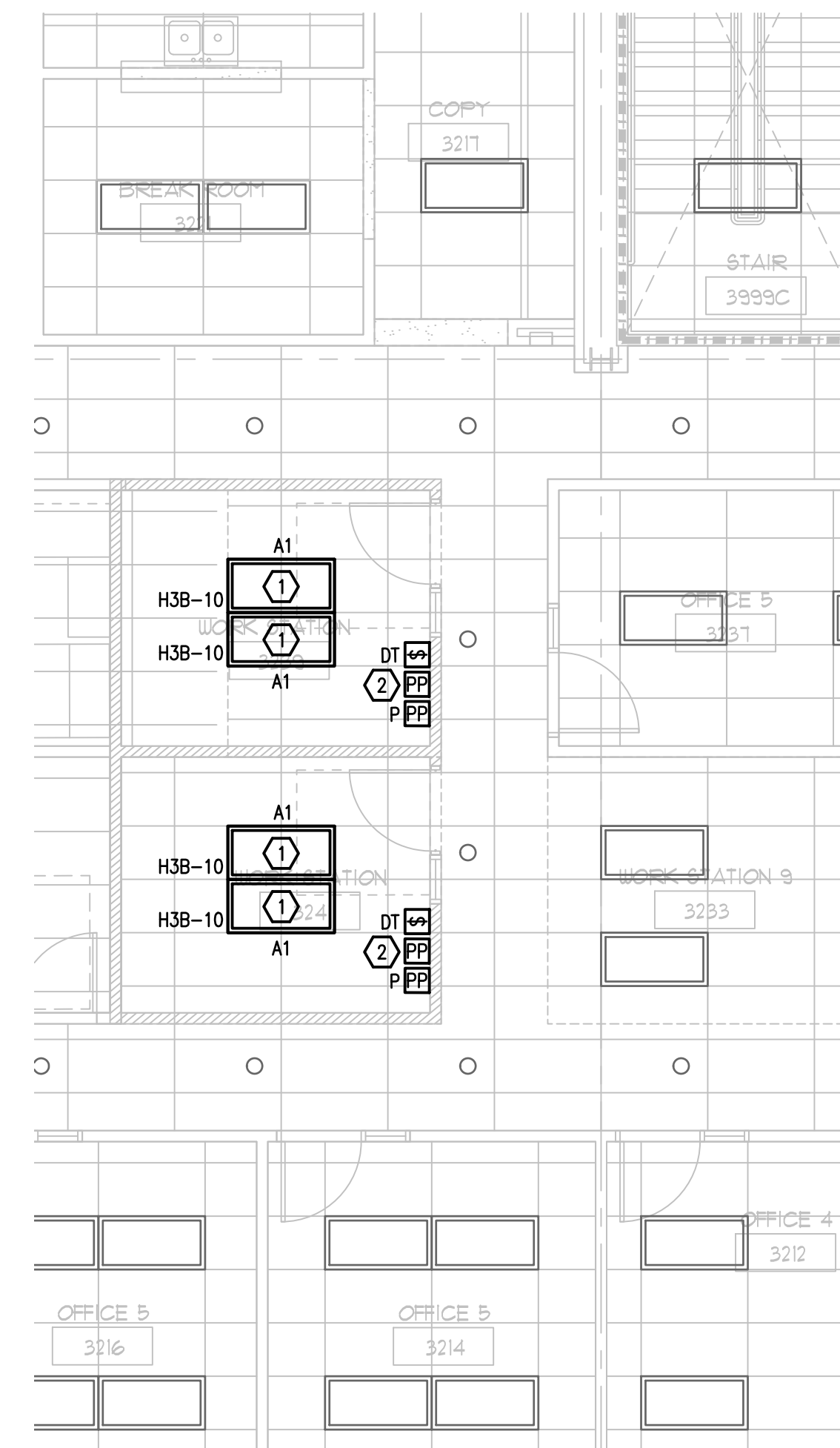
INTERIOR MODIFICATIONS AT THE OCJ ADMINISTRATION BUILDING

		720 VASSAR STREET ORLANDO, FL 32804 407-418-1338 <small>CONVENTIONAL THE DRAWINGS ARE THE PROPERTY OF BORRELLI + PARTNERS UNLESS OTHERWISE PROVIDED BY PART. PART NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.</small>	
		ACCOUNTS: E. BOWLES JR., P.E. FLORIDA LICENSE # 37410	
CONSULTANTS		SIGNATURE AND DATED SEAL	
Second Floor Plans - Area#6 - Electrical			
PROJECT NO.	16-166	PROJECT ADDRESS	OCJ CENTRAL ADMINISTRATION BUILDING
PHASE	100% CONST. DOCS	DATE	
SCALE		DESCRIPTION	
FILE NAME	GAD FILE	OWNER NAME AND ADDRESS	ORLANDO, FLORIDA 32825
DRAWN BY	MB	OWNER NAME AND ADDRESS	ORLANDO, FLORIDA 32825
CHECKED BY	ADJ	OWNER NAME AND ADDRESS	ORLANDO, FLORIDA 32825
DATE	12-18-17	OWNER NAME AND ADDRESS	ORLANDO, FLORIDA 32825

E-107



1 3RD FLOOR EXISTING DEMO PLAN - AREA#7 - ELECTRICAL
E-108 SCALE: 3/16 = 1'-0"



2 3RD FLOOR RENOVATION PLAN - AREA#7 - LIGHTING
E-108 SCALE: 3/16 = 1'-0"

EXISTING CONDITIONS NOTES

1. THIS DRAWING HAS BEEN PREPARED FROM FIELD INVESTIGATIONS. CONTRACTOR SHALL VISIT THE BUILDING AND TAKE SUCH OTHER STEPS AS MAY BE REASONABLY NECESSARY TO ASCERTAIN THE NATURE AND LOCATION OF WORK, AND THE GENERAL AND LOCAL CONDITIONS WHICH CAN AFFECT THE WORK OR THE COST THEREOF.
2. EVERY EFFORT HAS BEEN MADE TO DETAIL EACH CONDITION. THE DRAWING MAY NOT DETAIL EVERY CONDITION OR LOCATION ENCOUNTER. MANY CONDITIONS ARE TYPICAL OR SIMILAR TO THE DRAWING SHOWN.
3. CONFLICTS AND/OR PROBLEMS SHALL BE REPORTED PRIOR TO BIDDING FOR RESOLUTION. FAILURE TO REPORT THESE CONFLICTS PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AT NO ADDITIONAL COST TO THE OWNER.

DEMOLITION KEY NOTES

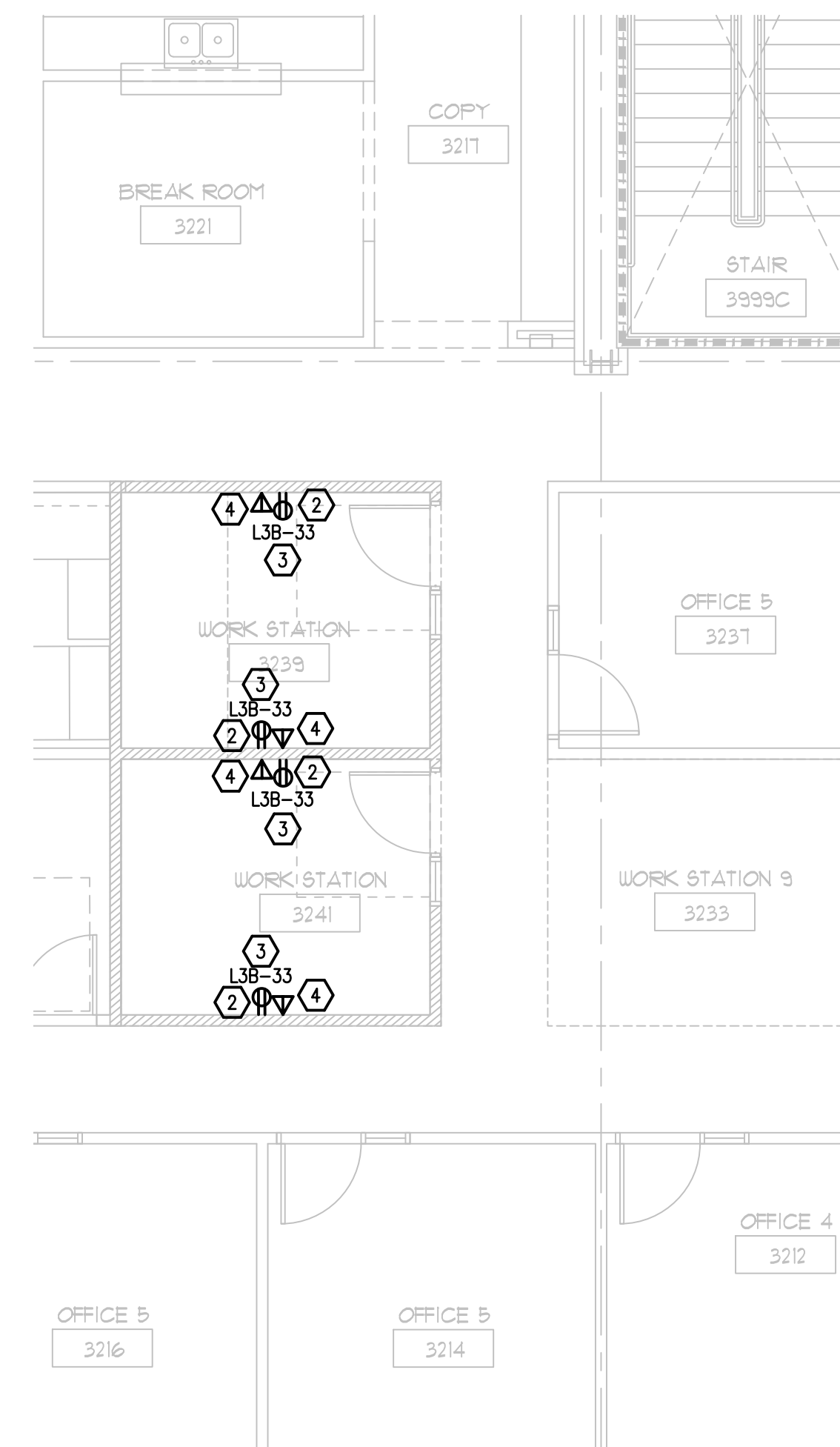
- 1 EXISTING LIGHT FIXTURE TO BE REMOVED AND SAVED FOR REUSE. DISCONNECT AND REMOVE LIGHTING CIRCUIT BACK TO NEAREST JUNCTION BOX.
- 2 RETAIN EXISTING RECEPTACLE CIRCUIT THAT FEEDS WORKSTATION TO FEED NEW RECEPTABLES. VERIFY CIRCUIT NUMBER.

RENOVATION KEY NOTES

- 1 CLEAN AND REFURBISH EXISTING LIGHTING FIXTURE AS REQUIRED. REINSTALL LIGHT FIXTURE IN CEILING AND CONNECT TO EXISTING LIGHTING CIRCUIT.
- 2 PROVIDE AUTOMATIC RECEPTACLE CONTROL IN THE OFFICE TO COMPLY WITH THE FLORIDA ENERGY CODE AND ASHRAE 90.1. RECEPTABLES ARE CONTROLLED THRU LIGHTING OCCUPANCY SENSOR AND PLUG LOAD CONTROLLER. SEE TYPICAL DIAGRAM ON SHEET E-001. SPLIT-WIRE RECEPTACLE SO THAT TOP HALF IS CONTROLLED AND PROVIDE CONTROLLED RECEPTABLES WITH THE APPROPRIATE MARKING.
- 3 PROVIDE NEW DUPLEX RECEPTACLE AND CONNECT TO EXISTING RECEPTACLE CIRCUIT. VERIFY CIRCUIT NUMBER.
- 4 PROVIDE NEW DATA OUTLET ON WALL, EXACT LOCATION OF NEW DATA OUTLET TO BE DETERMINED IN THE FIELD. PROVIDE NEW CONDUIT AND WIRING TO NEW DATA OUTLET FROM EXISTING DATA CIRCUIT AS REQUIRED.

GENERAL NOTES

1. REFER TO GENERAL NOTES ON SHEET E-001.
2. COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
3. LETTERS AND NUMBERS ON THE PLAN THAT ARE SHOWN NEXT TO DEVICES INDICATE THE PANEL AND CIRCUIT NUMBER FEEDING THAT DEVICE, EXAMPLE - A-1.
4. CONTRACTOR TO PROTECT ALL EXISTING WALLS, DOORS, FLOORS AND CEILING SURFACES TO REMAIN THROUGH OUT CONSTRUCTION. CONTRACTOR TO REPAIR OR REPLACE ANY DAMAGED SURFACE AT THEIR OWN EXPENSE.



2 3RD FLOOR RENOVATION PLAN - AREA#7 - POWER
E-108 SCALE: 3/16 = 1'-0"

INTERIOR MODIFICATIONS AT THE OCU ADMINISTRATION BUILDING

BORRELLI + PARTNERS
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ORLANDO, FL 32804 407-418-1338
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BOBES ASSOCIATES
CONSULTING ENGINEERS
100 S. ORANGE AVE., SUITE 1000
ORLANDO, FL 32801
FLORIDA STATE P.E. NUMBER: 3131

Third Floor Plan - Area#7 - Electrical

PROJECT NO.	16-166	DESCRIPTION	OCU CENTRAL ADMINISTRATION BUILDING
PHASE	100% CONST. DOCS	DATE	9/15/2016
SCALE	1'-0"	PROJECT ADDRESS	9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
FILE NAME	G0716	OWNER NAME AND ADDRESS	ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825
DRAWN BY	MB		
CHECKED BY	ABJ		
DATE	12/18/17		

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