Interior Renovation of Courtroom & Library. 2000 16th Ave. VERO BEACH, FL 32960

	INDEX DRAWINGS				
SHEET NUMBER	SHEET NAME	ORIGINAL DATE	LATEST REVISION No	LATEST REVISION DATE	
ARCHITE	CTURAL				-
A0.10 P A0.30 D A0.31 D LS1.01 F LS1.02 S LS1.03 P LS1.04 P D2.01 D D2.02 D D2.03 D A2.03 P A2.03 P A3.01 P A3.02 P A3.03 P A3.04 J A4.05 F A4.04 J A4.05 F A4.05 F A4.05 F A8.01 II A8.02 II A8.01 I A8.02 I A8.50 C A8.51 C A8.51 C AF2.02 F	ARTITION SCHEDULE & DETAILS DOOR DETAILS DOOR SCHEDULE IRST FLOOR LIFE SAFETY PLAN SECOND FLOOR LIFE SAFETY PLAN DEMOLITION FLOOR PLAN & DEMO RCP OF LIBRARY AT 1st FLOOR DEMOLITION FLOOR PLAN & DEMO RCP OF PROBATE/ JUVEMILE OFFICE AT 2nd FLOOR DEMOLITION FLOOR PLAN & DEMO RCP OF PROBATE/ JUVEMILE OFFICE AT 2nd FLOOR DEMOLITION PLAN & DEMO RCP OF TRAFFIC OFFICE ROPOSED PROBATE/ JUVENILE OFFICE ARCHITECTURAL FLOOR PLAN ROPOSED COURT ROOM ARCHITECTURAL FLOOR PLAN ROPOSED TRAFFIC OFFICE ARCHITECTURAL FLOOR PLAN ROPOSED TRAFFIC OFFICE ARCHITECTURAL FLOOR PLAN ROPOSED REFLECTED CEILING PLAN OF LIBRARY ROPOSED REFLECTED CEILING PLAN OF LIBRARY ROPOSED REFLECTED CEILING PLAN OF COURT ROOM & ROOM SECTIONS ROPOSED REFLECTED CEILING PLAN OF COURT ROOM & ROOM SECTIONS ROPOSED REFLECTED CEILING PLAN OF COURT ROOM & ROOM SECTIONS ROPOSED REFLECTED CEILING PLAN OF TRAFFIC OFFICE UTCHEN & BATHROOM ENLARGE FLOOR PLAN & ELEVATIONS UDGE'S & WITNESS BENCH ENLARGE FLOOR PLAN & ELEVATIONS UVENILE/LAND RECORDS DESK ENLARGE FLOOR PLAN & ELEVATIONS VUENILE/LAND RECORDS OF PROBATE/ JUVENILE OFFICE CASEWORK & MILLWORK DETAILS ASEWORK A MILLWORK DETAILS ASEWORK & MILLWORK DETAILS ASEWORK & MILLWORK DETAILS ASEWORK & MILLWORK DETAILS ASEWORK A MILLWO	10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 5/14/2018 5/14/2018 10/13/2017			
M1.01 N M1.02 N M2.01 N M2.02 N	ICAL AECHANICAL SYMBOLS, LEGENDS & NOTES AECHANICAL FIRST FLOOR DEMOLITION PLAN AECHANICAL SECOND FLOOR DEMOLITION PLAN AECHANICAL FIRST FLOOR PLAN AECHANICAL SECOND FLOOR PLAN AECHANICAL DETAILS	10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017			
M6.01 N	AECHANICAL SCHEDULES AECHANICAL CONTROLS	10/13/2017 10/13/2017			T
PLUMBIN		10/10/2017			1
P1.01 F	PLUMBING LEGEND & FLOOR PLANS	10/13/2017			
FIRE PRO	DTECTION				
FP0.01	FIRE PROTECTION NOTES, SPECS, FLOOR PLANS AND LEGEND	10/13/2017			
T1.01 T T1.02 T T1.10 T T2.01 M T2.02 M T4.01 T T5.01 T T6.01 F	TECHNOLOGY GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS TECHNOLOGY OVERALL PLAN - LEVEL 1 TECHNOLOGY OVERALL PLAN - LEVEL 2 TECHNOLOGY DEMOLITION PLANS - LEVELS 1 & 2 NEW WORK TECHNOLOGY LEVEL 1 NEW WORK TECHNOLOGY LEVEL 2 TECHNOLOGY ENLARGED PLAN TECHNOLOGY AUDIO-VIDEO CHANNEL RACK ELEVATIONS TECHNOLOGY DETAILS	10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017			
ELECTRI	CAL				
E1.01 E E1.02 E E2.01 M E2.02 M E3.01 M E3.02 M	ELECTRICAL GENERAL NOTES, SYMBOL LEGEND & ABBREVIATIONS ELECTRICAL DEMOLITION PLAN - FIRST FLOOR ELECTRICAL DEMOLITION PLAN - SECOND FLOOR NEW WORK LIGHTING PLAN - FIRST FLOOR NEW WORK LIGHTING PLAN - SECOND FLOOR NEW WORK POWER PLAN - FIRST FLOOR NEW WORK POWER PLAN - SECOND FLOOR NEW WORK POWER PLAN - SECOND FLOOR ELECTRICAL DETAILS & SCHEDULES	10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017 10/13/2017			

ARCHITECTURE



PGAL

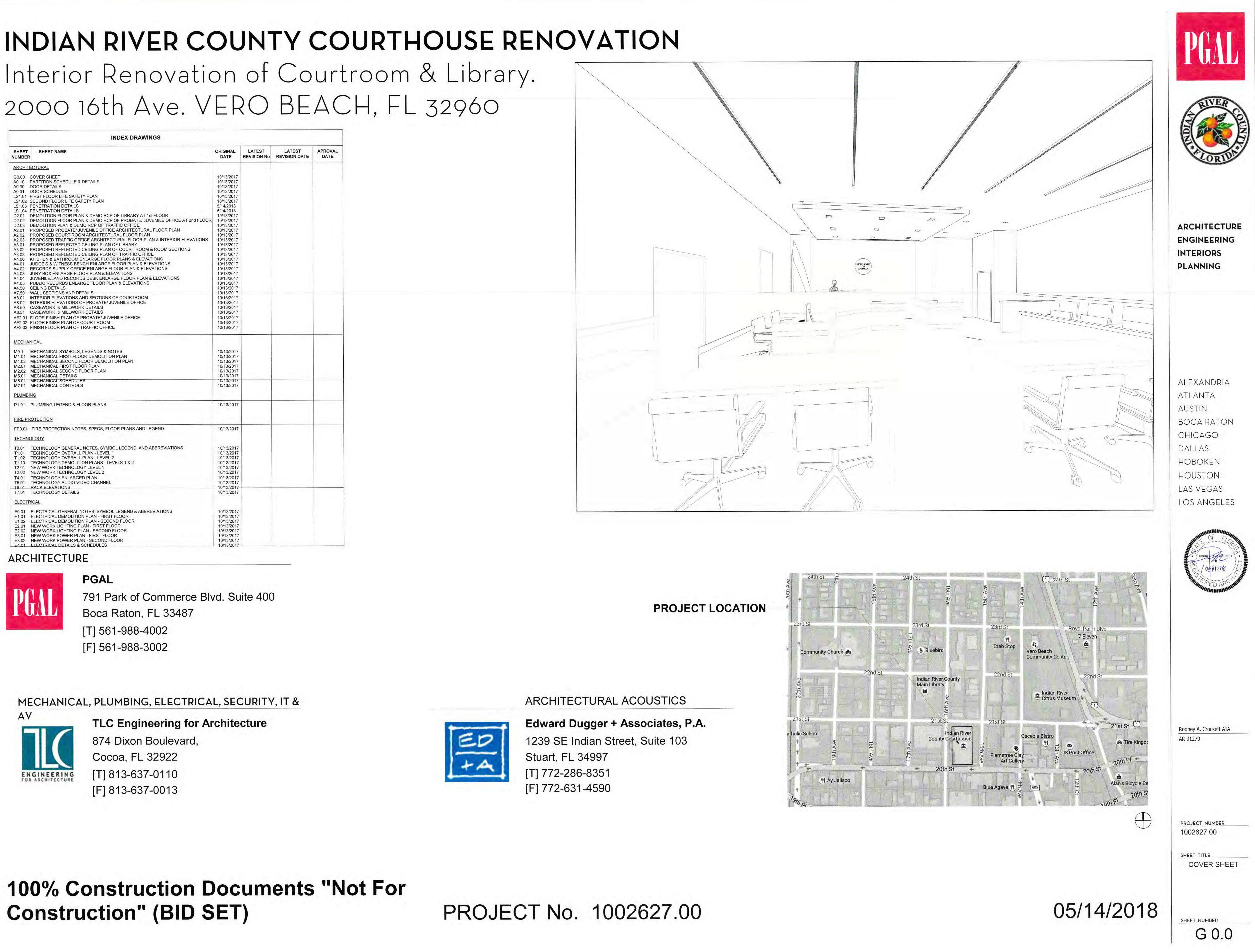
791 Park of Commerce Blvd. Suite 400 Boca Raton, FL 33487 [T] 561-988-4002 [F] 561-988-3002

MECHANICAL, PLUMBING, ELECTRICAL, SECURITY, IT &

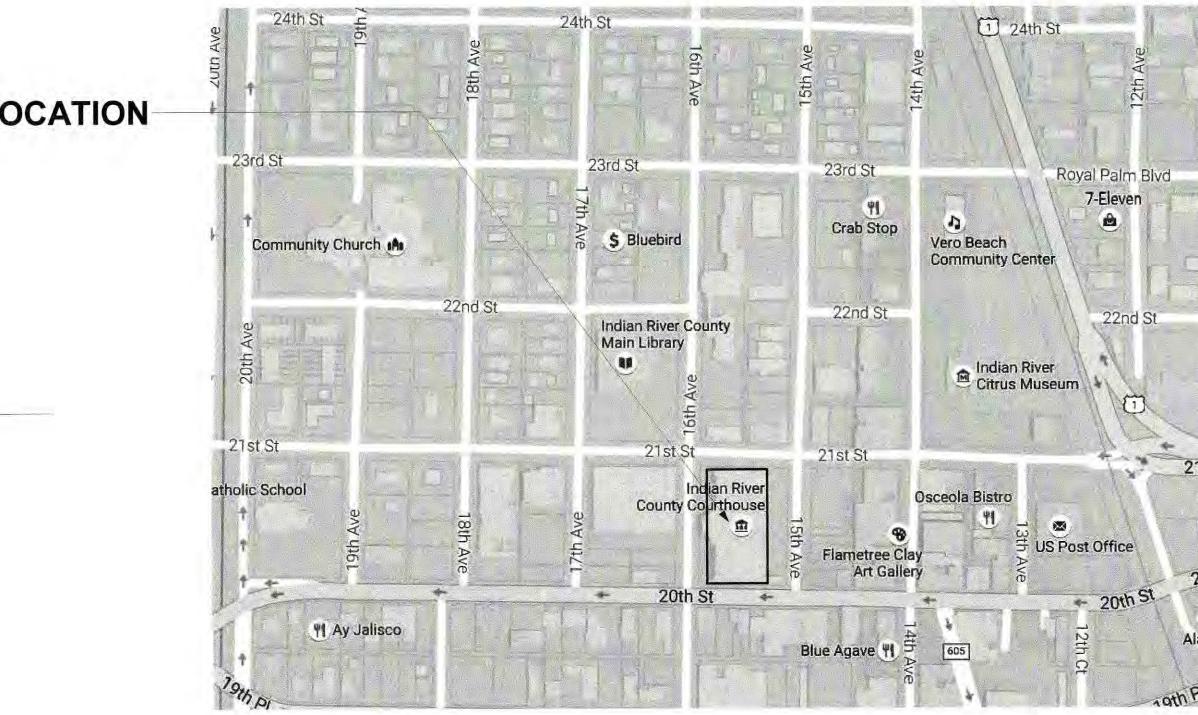


TLC Engineering for Architecture 874 Dixon Boulevard, Cocoa, FL 32922 [T] 813-637-0110 [F] 813-637-0013

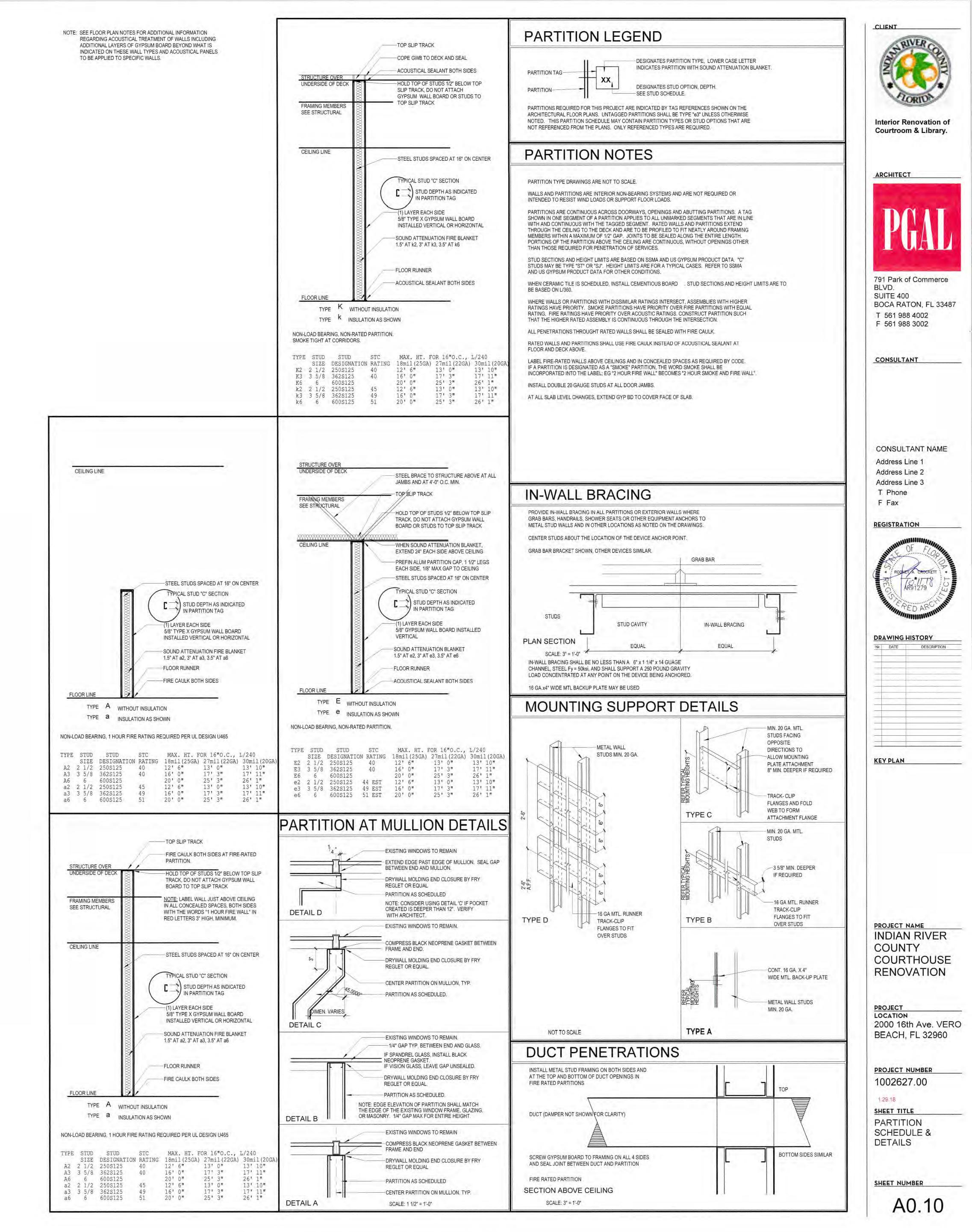
100% Construction Documents "Not For Construction" (**BID SET**)



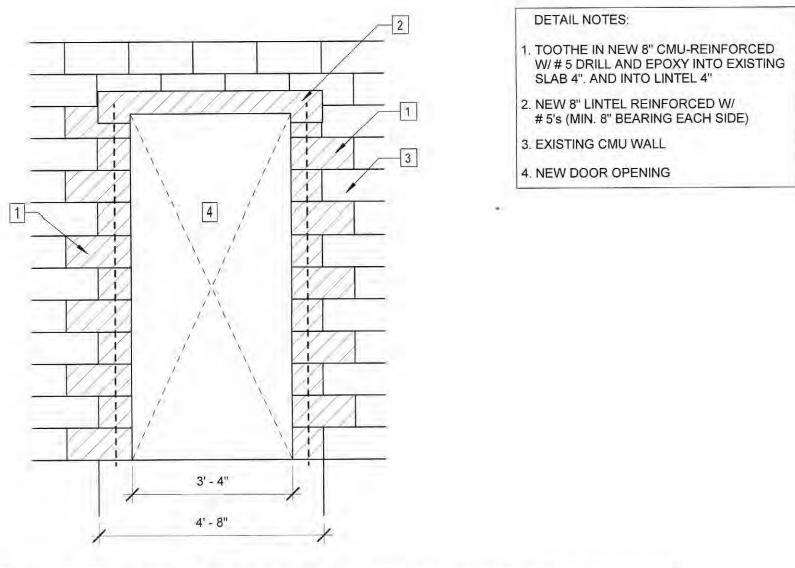




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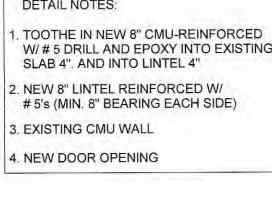
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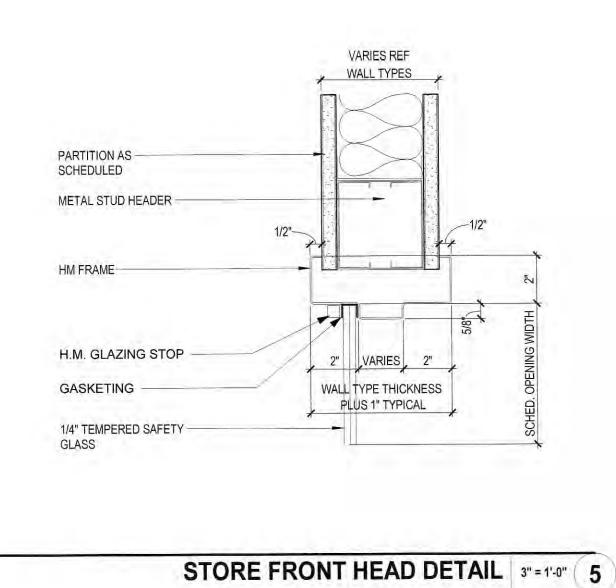


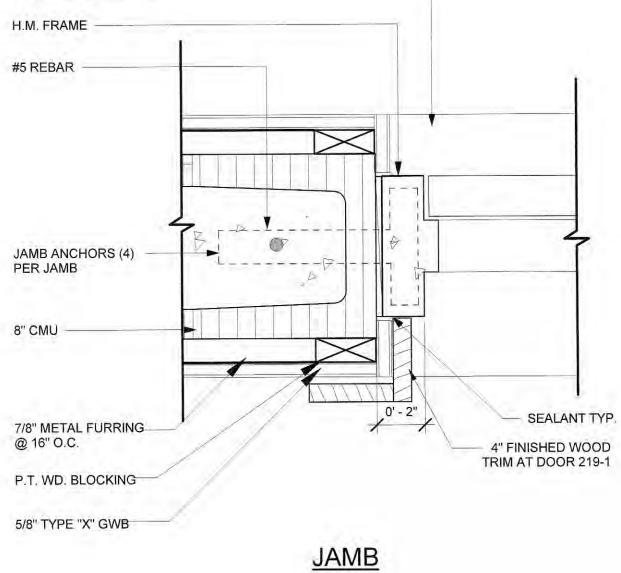
8" CMU -

DOOR PER SCHEDULE



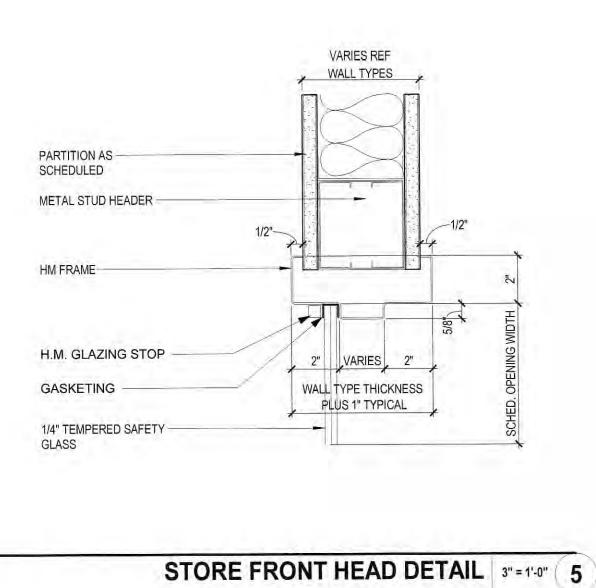




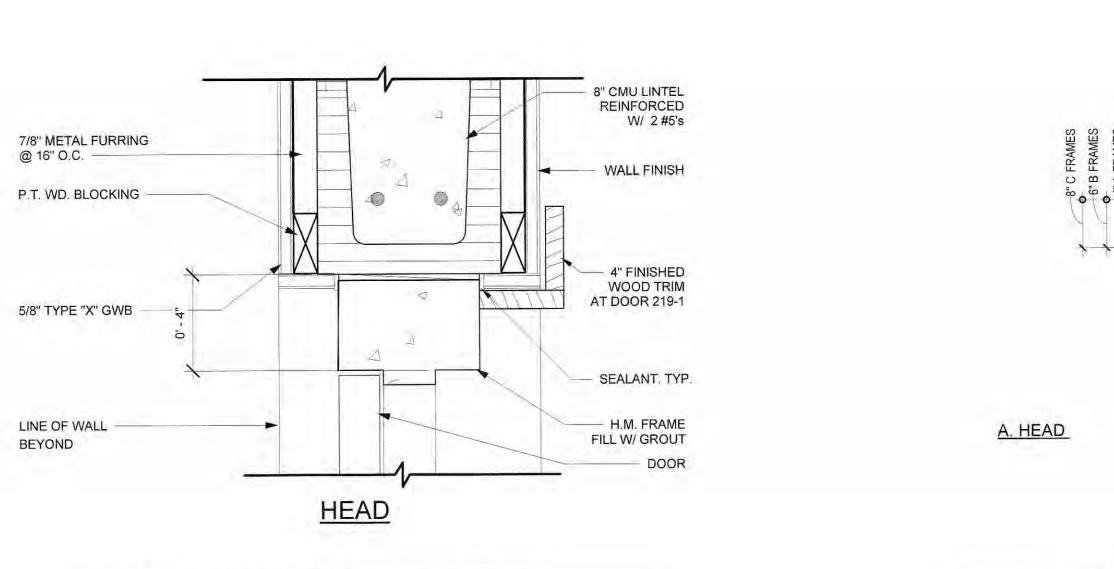


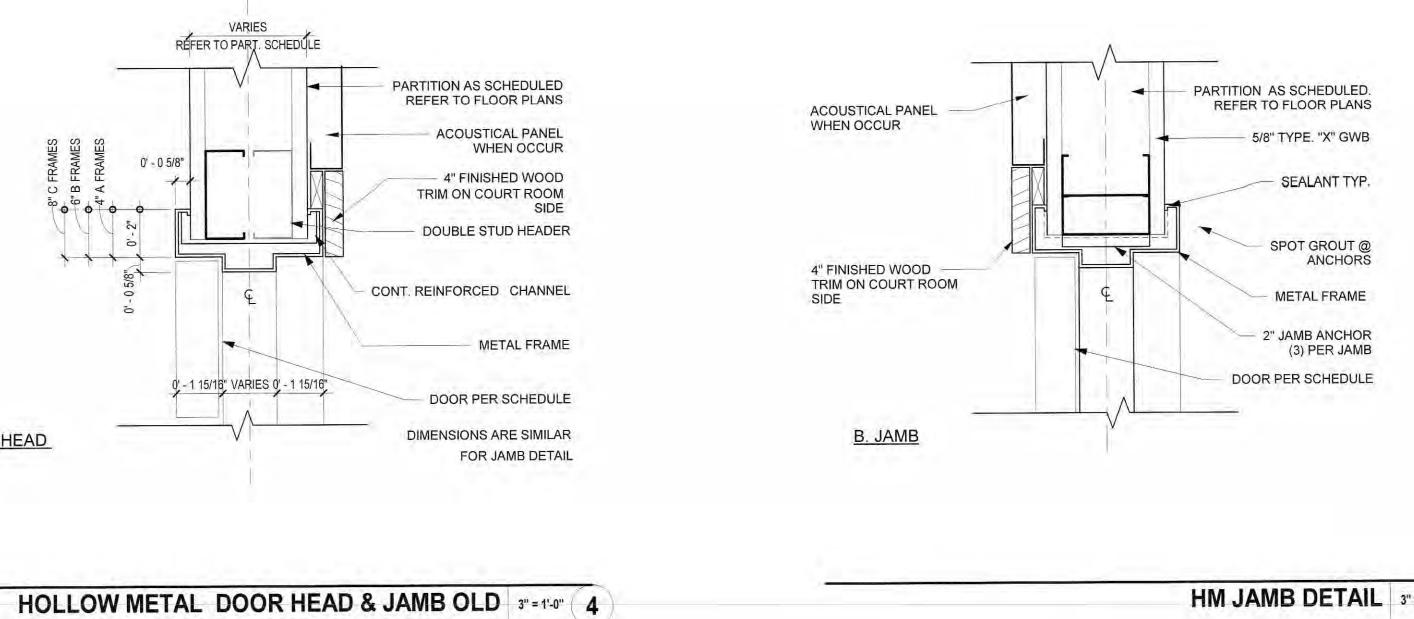
DOOR JAMB- CMU W/ FURRING WALL 3" = 1'-0" 8

DOOR HEAD - CMU W/ FURRING WALL 3"=1'-0" 7



-





PARTITION AS SCHEDULED

H.M. FRAME

GASKETING

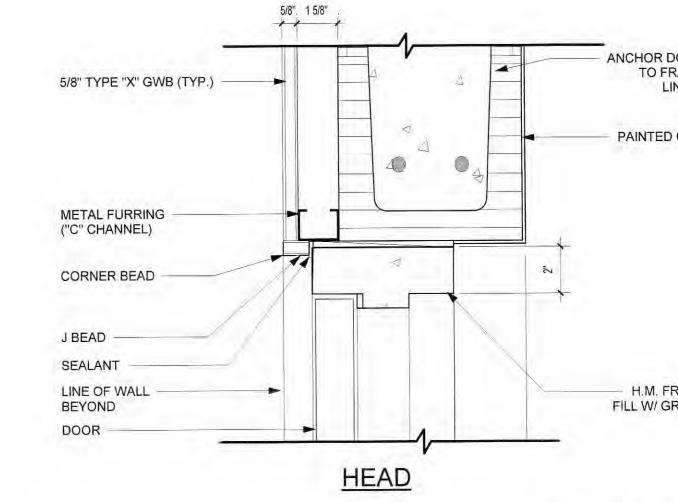
METAL STUD HEADER

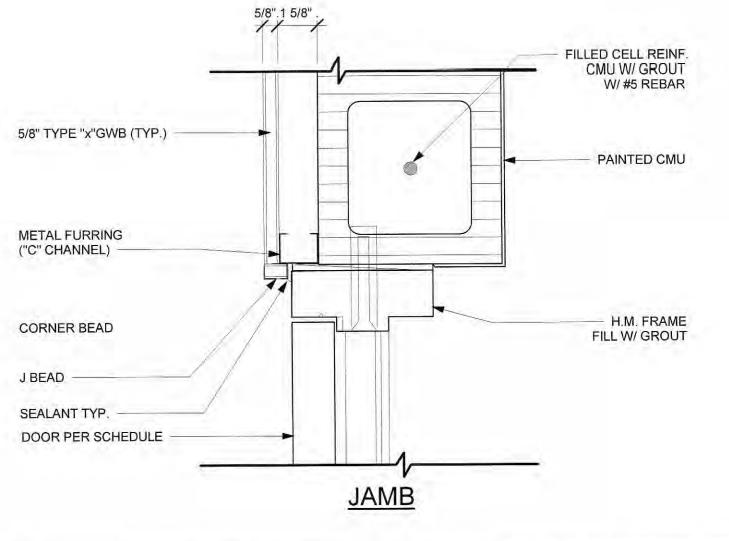
H.M. GLAZING STOP

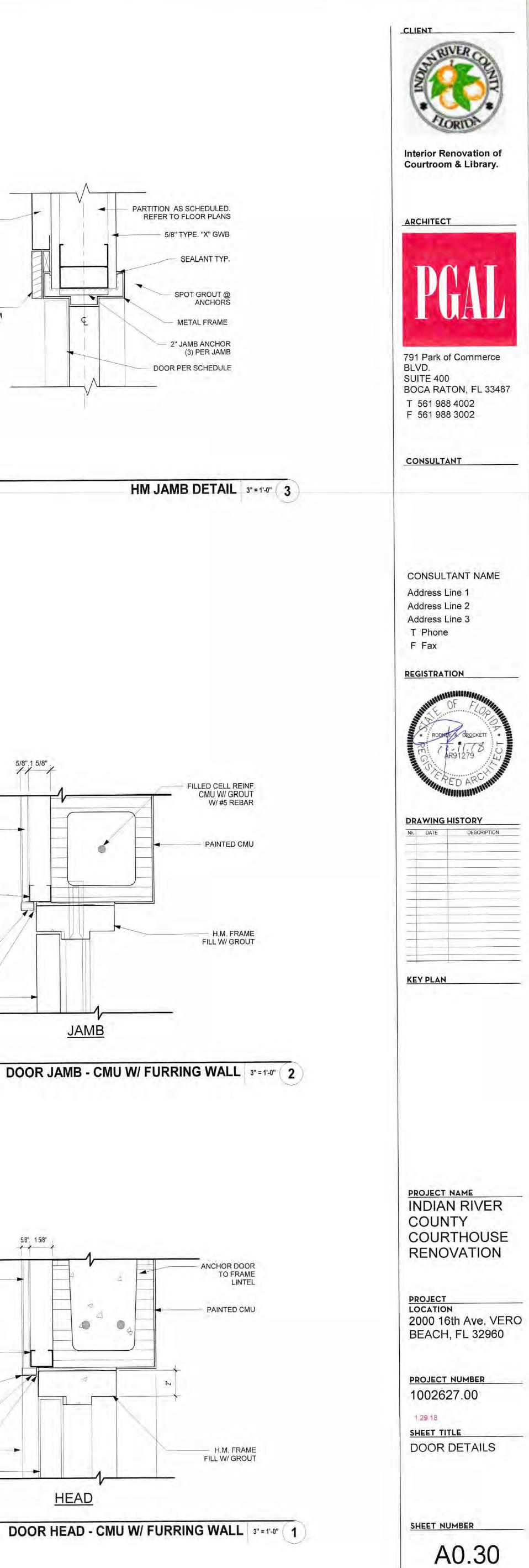
1/4" TEMPERED SAFETY GLASS

-2"

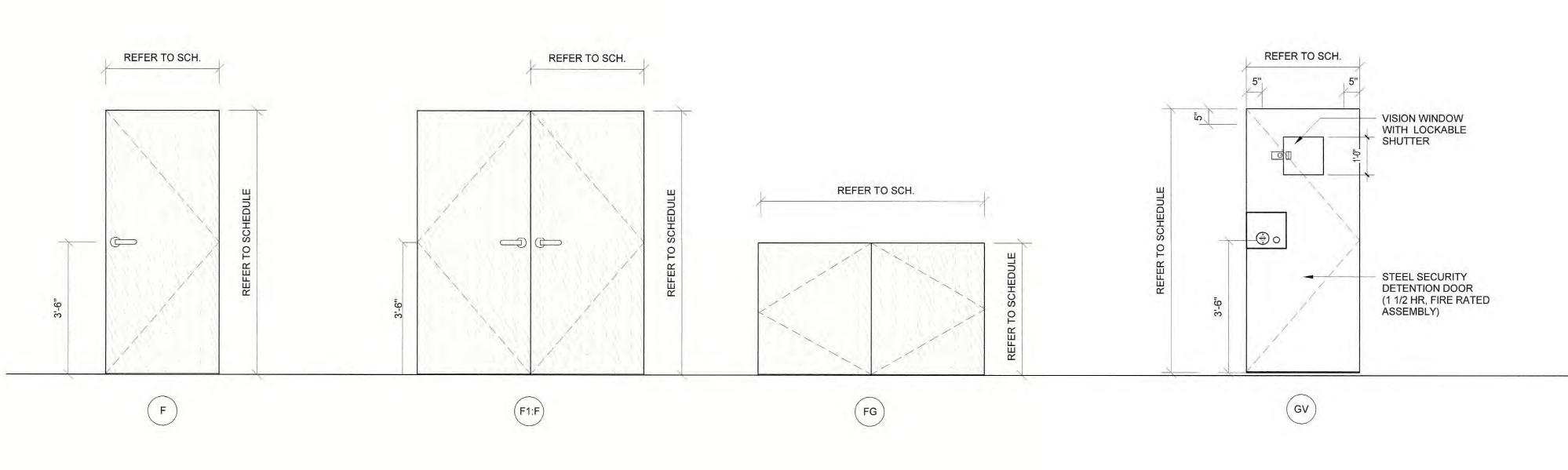
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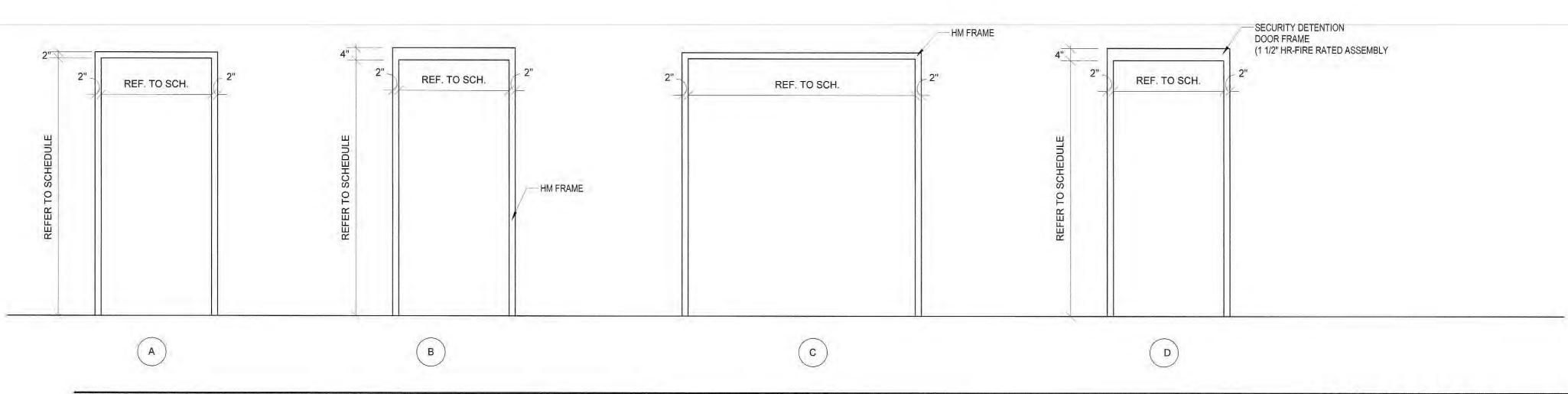






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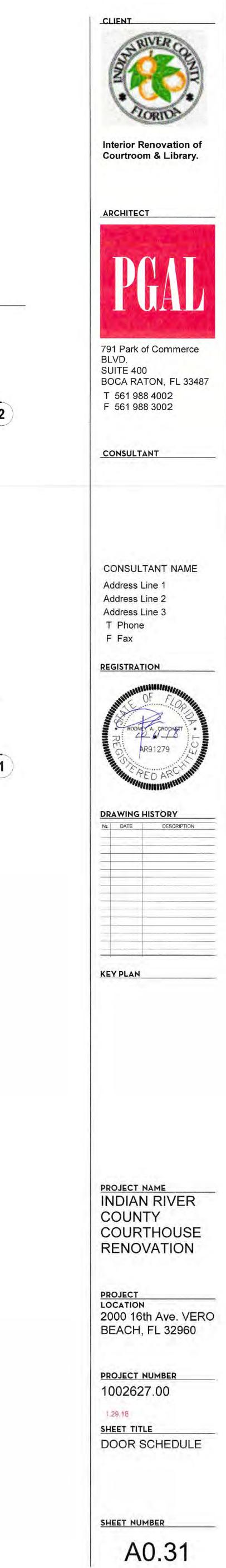


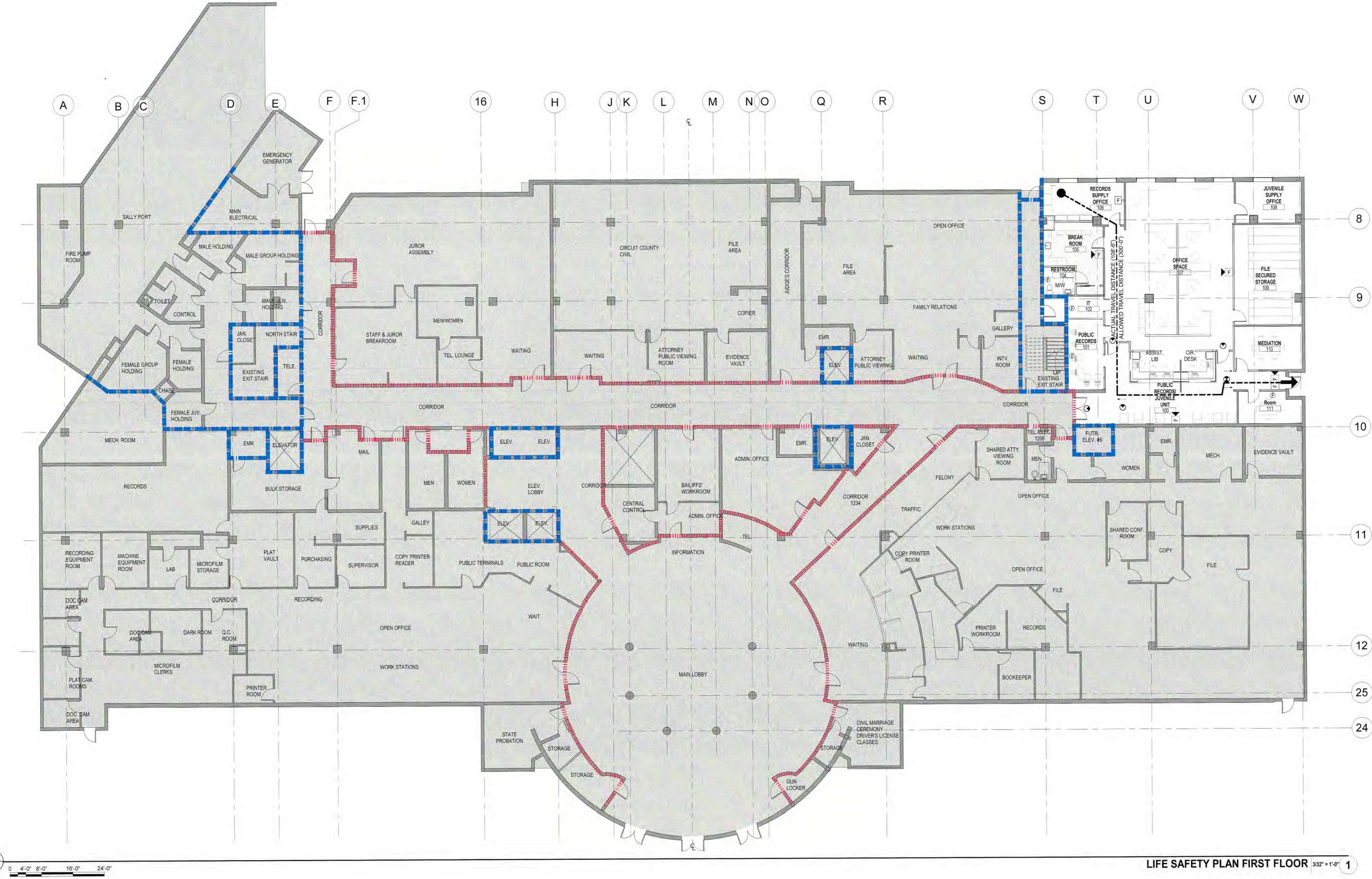
Tag	From Room
Mark	Name
LEVEL	É
100-1	OFFICE SPACE
100-2	OFFICE SPACE
101-1	PUBLIC RECORDS
102-1	OFFICE SPACE
103-1	BREAK ROOM
104-1	RESTROOM
106-1	OFFICE SPACE
109-1	OFFICE SPACE
110-1	PUBLIC RECORDS/ JUVENILE UNIT
111-1	PUBLIC RECORDS/ JUVENILE UNIT
SECON	D FLOOR
212-1	
213-1	VESTIBULE
214-1	VESTIBULE
214-2	GALLERY
215-1	EVIDENCE
217-1	JUDGE'S VEST.
217-2	COURT ROOM
218-2	SECURE VESTIBULE
218-3	SECURE VESTIBULE
218-4	SECURE VESTIBULE
219-1	COURT ROOM

DOOR ELEVATIONS 1/2" = 1'-0" 2

FRAMES ELEVATIONS 1/2" = 1'-0" 1

		DO	OR SCHE	DULE						
To Room	Door				Frame		Details		General	
Name	Width	Height	Elevati on	Matl	Profile	Eleva tion	Jamb	Head	Fire Rating	Remarks
PUBLIC RECORDS/ JUVENILE UNIT	3, - 0"	7' - 0"	F	SCW	002	A	3	4	·	
PUBLIC RECORDS/ JUVENILE UNIT	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
OFFICE SPACE	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
IT	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
CLOSET	2' - 6"	7' - 0"	F	SCW	00PS	A	3	4		
BREAK ROOM	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
RECORDS SUPPLY OFFICE	3' - 0"	7' - 0''	F	SCW	002	A	3	4		
FILE SECURED STORAGE	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
MEDIATION	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
Room	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
			10	T. States						
CLERK'S RECEPTION	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
VICTIM/ WITNESS	3' - 0"	7' - 0"	F	SCW	002	A	3	4	and a second	
	6' - 0''	7' - 0''	F1 : F	SCW	001	С	3	4	3/4 Hr	
VESTIBULE	6' - 0"	7' - 0"	F1 : F	SCW	001	C	3	4		
COURT ROOM	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
	3' - 0"	7' - 0"	F	SCW	002	В	7	8	3/4 Hr	
JUDGE'S VEST.	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
COURT ROOM	3' - 0"	7' - 0"	F	SCW	002	А	3	4		
STOR.	3' - 0"	7' - 0"	F	SCW	002	A	3	4		
SECURE VESTIBULE 2237	3' - 0"	7' - 0"	GV	STL	003	D	1		1 1/2 Hr	
	3' - 0"	7' - 0"	F	SCW	002	В	7	8	3/4 Hr	







- BUILDING TYPE AND FIRE RESISTANCE:
- 1. TYPE IIA CONSTRUCTION, GROUP B OCCUPANCY FIRE RESISTANCE RATING, AS PER 2017 FBC - TABLE 504.3, 504.4, (S - FULL SPRINKLER SYSTEM) 506.2 (SM) & 601.
- 2. THIS IS AN EXISTING BUILDING; THIS TENANT IMPROVEMENT IS A LEVEL
- II ALTERATION. (PER SECTION 504) 3. ALTERATION UTILIZING WORK AREA COMPLIANCE PER THE 2017 F.B.C.

GRAPHIC SCALE

- EXISTING BUILDING.
- 4. EXTERIOR WALLS, FIRE BARRIERS, SHAFT ENCLOSURES, PENETRATIONS, JOINT SYSTEMS, OPENINGS AND STRUCTURAL PARTS SHALL COMPLY WITH FBC CHAPTER 7 FIRE RESISTANCE- RATED CONSTRUCTION AND FLORIDA FIRE PREVENTION CODE 6TH EDITION, CHAPTER 8 FEATURES OF FIRE PROTECTION.
- 5. INTERIOR FINISHES ARE TO COMPLY WITH CLASS B SECTION 803. FOR THIS BUSINESS OCCUPANCY EXIT CORRIDORS AND ROOMS TO BE PROVIDED WITH CLASS C FINISHES.
- 6. RESTROOM ARE EXISTING TO REMAIN. THE FIRST FLOOR RESTROOM IS BEING MODIFIED TO COMPLY WITH CURRENT ADA CODE.

- APPLICABLE CODES:
- 1. 2017 FLORIDA BUILDING CODE (FBC).
- 2. 2017 FBC PLUMBING.
- 3. 2017 FBC MECHANICAL.
- 4. 2017 FBC EXISTING BUILDING.
- 5. 2017 FLORIDA FIRE PREVENTION CODE 6th EDITION (NFPA 1 and NFPA 101).
- 6. 2017 FBC ACCESSIBILITY.

			the second se
STRUCTURAL ELEMENT	FBC REFERENCE	OCCUPANCY	FIRE RESISTANCE RATING
OCCUPANCY SEPARATIONS	TABLE 508.4	В	0 hour
STRUCTURAL FRAME; COLUMNS, GIRDERS, TRUSSES:	TABLE 601	B	1 hours
INTERIOR NON-BEARING WALLS AND PARTITIONS	TABLE 601	В	0 hours
FLOOR CONSTRUCTION	TABLE 601	В	1 hours
ROOF CONSTRUCTION	TABLE 601	В	1 hour
EXTERIOR NON-BEARING WALLS AND PARTITIONS	TABLE 601	В	PER TABLE 601
BEARING WALLS EXTERIOR INTERIOR	TABLE 601	В	1 hours 0 hours

* THIS BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM.

OCCUPANCY	AREA	POPULATION
PREVIOUS OCCUPANCY: LAW LIBRARY	READING ROOMS 50 NET PER PERSON	1605/50= 33 OCC
	STACK AREA 100 GROS PER PERSON	2057/100= 21 OCC
PROPOSED OCCUPANCY: BUSINESS	OFFICES 100 GSF PER PERSON	5,085/100=51OCC

OCCUPANT LOAD PER FLOOR
OTAGE OF EXISITNG BUILDING IS NOT CHAN
UDANOLO TO DE OUANOE TO DECOME ANO

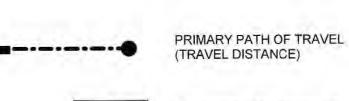
NGING. COURT EXISTING HOUSE LIBRARY OCCUPANCY IS TO BE CHANGE TO BECOME AN OFFICE SPACE. THEREFORE; PROPOSED OCCUPANCY WILL NOT AFFECT NUMBER OF PLUMBING FIXTURES DUE THAT IS PROPOSED TO HAVE LESS OCCUPANTS.

TRAVEL DISTANCE TYPE	OCCUPANCY	DISTANCE	DISTANCE
DISTANCE TO EXIT	BUSINESS	300 FT.	198 FT.
COMMON PATH OF TRAVEL	BUSINESS	100 FT.	92 FT.
DEAD END TRAVEL	BUSINESS	50 FT.	13 FT.

MEANS OF EGRESS:

- 2. OCCUPANT LOADS (PER FLORIDA FIRE PREVENTION CODE A.7.3.1.2 AND 2014 FBC 1004.1.2) ARE SPECIFIED AS FOLLOWS:
- MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES 181 OCCUPANTS: 91 WOMEN / 91 MEN (TOTAL SPACE)
- PER FBC OCCUPANCY TYPE AND LOAD AND PLUMBING CODE

1. EGRESS CAPACITY SHALL BE BASED ON 0.2 IN /PERSON FOR HORIZONTAL EXIST (FLORIDA FIRE PREVENTION CODE 7.3.3.1). EXITS SHALL BE IN ACCORDANCE AS FOLLOWS:



X

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1

FE

FEC

FHC

LIFE SAFETY LEGEND:

(TRAVEL DISTANCE) REQUIRED EXIT CAPACITY PROVIDED EXIT CAPACITY 2x 4 EMERGENCY LIGHT FIXTURE WITH BATTERY BACK UP.

2x 2 EMERGENCY LIGHT FIXTURE WITH BATTERY BACK UP.

EXISTING (UNLESS OTHERWISE NOTED) FIRE EXTINGUISHER ON WALL BRACKET OR CABINET EXISTING FIRE HOSE CABINET

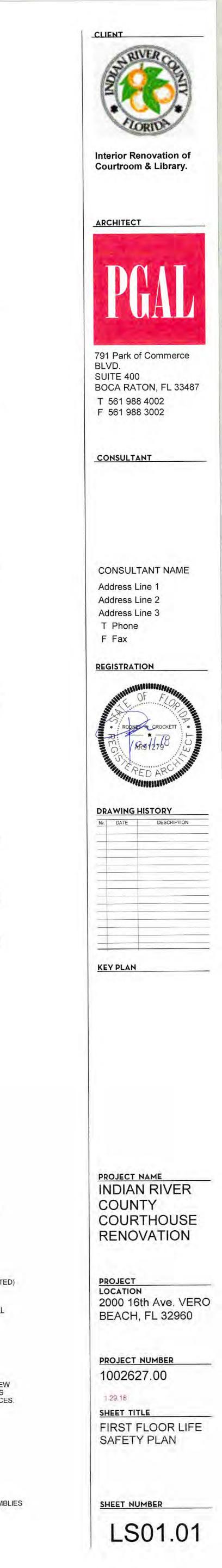
FIRE ALARM NOTIFICATION DEVICE FIRE ALARM HORN/STROBE FIRE ALARM PULL STATION EXISTING (UNLESS OTHERWISE NOTED) P EMERGENCY LIGHT EXIT SIGN/ LIGHT WITH DIRECTIONAL \bigcirc ARROW. RELOCATED "R" "N" NEW

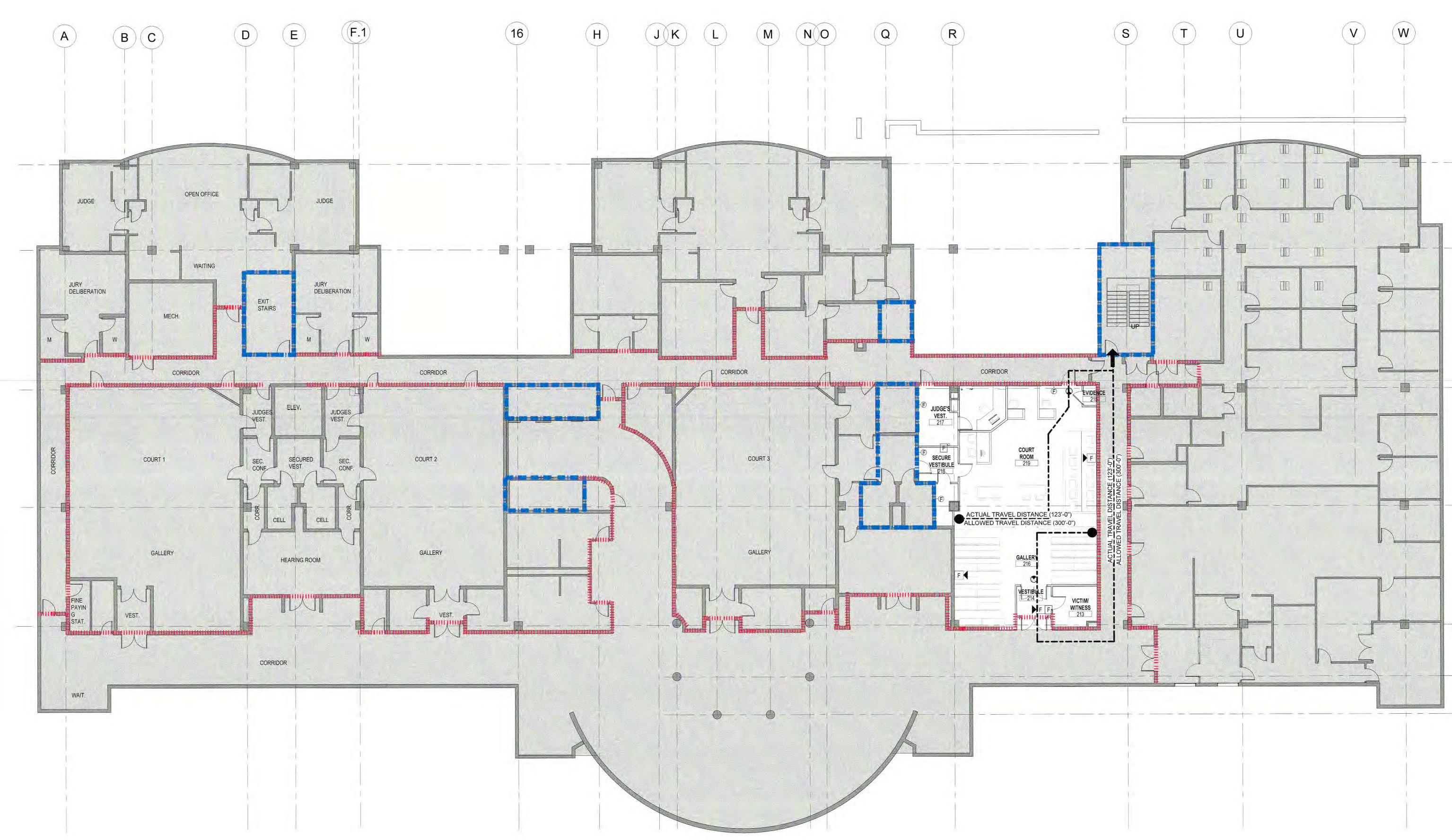
NOTE: COORDINATE WITH DEMOLITION & PROPOSED PLANS FOR RELOCATED AND/OR NEW EMERGENCY/FIRE DEVICES. LIFE SAFETY PLANS SHOW ALL EXISITING, RELOCATED & NEW DEVICES.

шшп

EXISTING 1 HOUR UL RATED ASSEMBLY (CONTINUOUS) TO REMAIN PROVIDE FIRE RATED SEALANT/CAULK PER DETAILS FOR ANY NEW PENETRATION. REFER TO SPECIFICATIONS AND DETAILS.

EXISTING 2 HOUR UL RATED ASSEMBLY (CONTINUOUS) TO REMAIN PROVIDE FIRE RATED SEALANT/CAULK PER DETAILS FOR ANY NEW PENETRATION. REFER TO SPECIFICATIONS AND DETAILS. DOOR LOCATED IN THESE WALLS SHALL BE 1 1/1 HR. RATED DOOR ASSEMBLIES





 ALTERATION UTILIZING WORK AREA COMPLIANCE PER THE 2017 F.B.C. EXISTING BUILDING. 4. EXTERIOR WALLS, FIRE BARRIERS, SHAFT ENCLOSURES, PENETRATIONS, JOINT SYSTEMS, OPENINGS AND STRUCTURAL PARTS SHALL COMPLY WITH FBC CHAPTER 7 FIRE RESISTANCE- RATED CONSTRUCTION AND FLORIDA FIRE PREVENTION CODE 6TH EDITION, CHAPTER 8 FEATURES OF FIRE PROTECTION.

TYPE IIA CONSTRUCTION, GROUP B OCCUPANCY FIRE RESISTANCE RATING, AS PER 2017 FBC - TABLE 504.3, 504.4, (S - FULL SPRINKLER

2. THIS IS AN EXISTING BUILDING; THIS TENANT IMPROVEMENT IS A LEVEL II ALTERATION. (PER SECTION 504)

BUILDING TYPE AND FIRE RESISTANCE:

SYSTEM) 506.2 (SM) & 601.

- 5. INTERIOR FINISHES ARE TO COMPLY WITH CLASS B SECTION 803. FOR THIS BUSINESS OCCUPANCY EXIT CORRIDORS AND ROOMS TO BE PROVIDED WITH CLASS C FINISHES.
- RESTROOM ARE EXISTING TO REMAIN. THE FIRST FLOOR RESTROOM IS BEING MODIFIED TO COMPLY WITH CURRENT ADA CODE.

APPLICABLE CODES:

0 4'-0" 8'-0" 16'-0" 24'-0"

GRAPHIC SCALE

- 1. 2017 FLORIDA BUILDING CODE (FBC).
- 2. 2017 FBC PLUMBING.
- 3. 2017 FBC MECHANICAL
- 4. 2017 FBC EXISTING BUILDING.
- 5. 2017 FLORIDA FIRE PREVENTION CODE 6th EDITION (NFPA 1 and NFPA 101).
- 6. 2017 FBC ACCESSIBILITY.

STRUCTURAL ELEMENT	FBC REFERENCE	OCCUPANCY	FIRE RESISTANCE RATING
OCCUPANCY SEPARATIONS	TABLE 508.4	В	0 hour
STRUCTURAL FRAME: COLUMNS, GIRDERS, TRUSSES:	TABLE 601	В	1 hours
INTERIOR NON-BEARING WALLS AND PARTITIONS	TABLE 601	В	0 hours
FLOOR CONSTRUCTION	TABLE 601	В	1 hours
ROOF CONSTRUCTION	TABLE 601	В	1 hour
EXTERIOR NON-BEARING WALLS AND PARTITIONS	TABLE 601	B	PER TABLE 601
BEARING WALLS EXTERIOR INTERIOR	TABLE 601	В	1 hours 0 hours

* THIS BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM.

OCCUPANCY CLASSIFICATION/ OCUPANT LOAD PER FLOOR:

OCCUPANCY	AREA	POPULATION
PREVIOUS OCCUPANCY: (BUSINESS)	OFFICES 100 GSF PER 2091 SF	21 OCCUPANTS
PROPOSED OCCUPANCY:	OTHER THAN FIX SEATING AREAS 40NET (863 SF)	22 OCCUPANTS
COURTROOM ASSEMBLY A-3	FIX SEATING AREAS	66 OCCUPANTS

WAT REQUIRED 1 PER 25 FOR FIRST 50. 1 PER 50 FOR THE REMAINDER EXCEEDING 50 106 MEN = (4) WC'S 106 WOMEN = (4) WC'S REQUIRED 1 PER 40 FOR FIRST 80. 1 PER 80 FOR T REMAINDER EXCEEDING 80 106 MEN = (3)LAV'S 106 WOMEN = (3) LAV'S DRINK REQUIRED 1 PER 100 212 PERSONS = 2 DRINKING FOUNTAINS

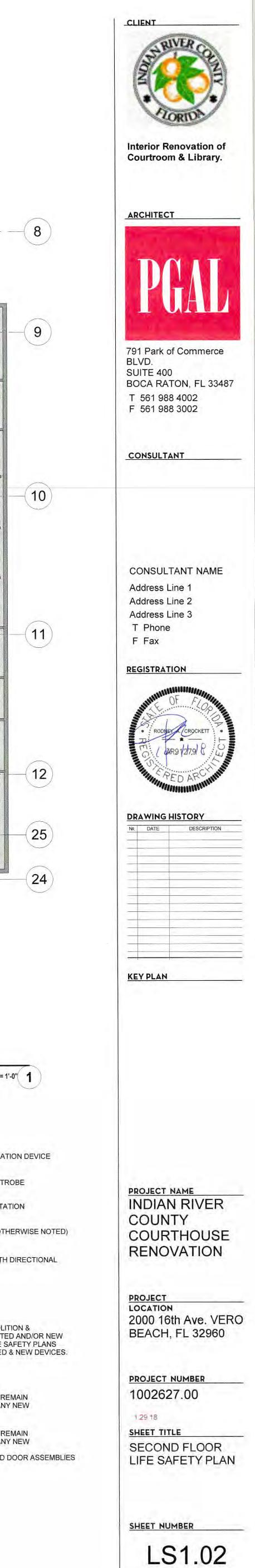
MEANS OF EGRESS:

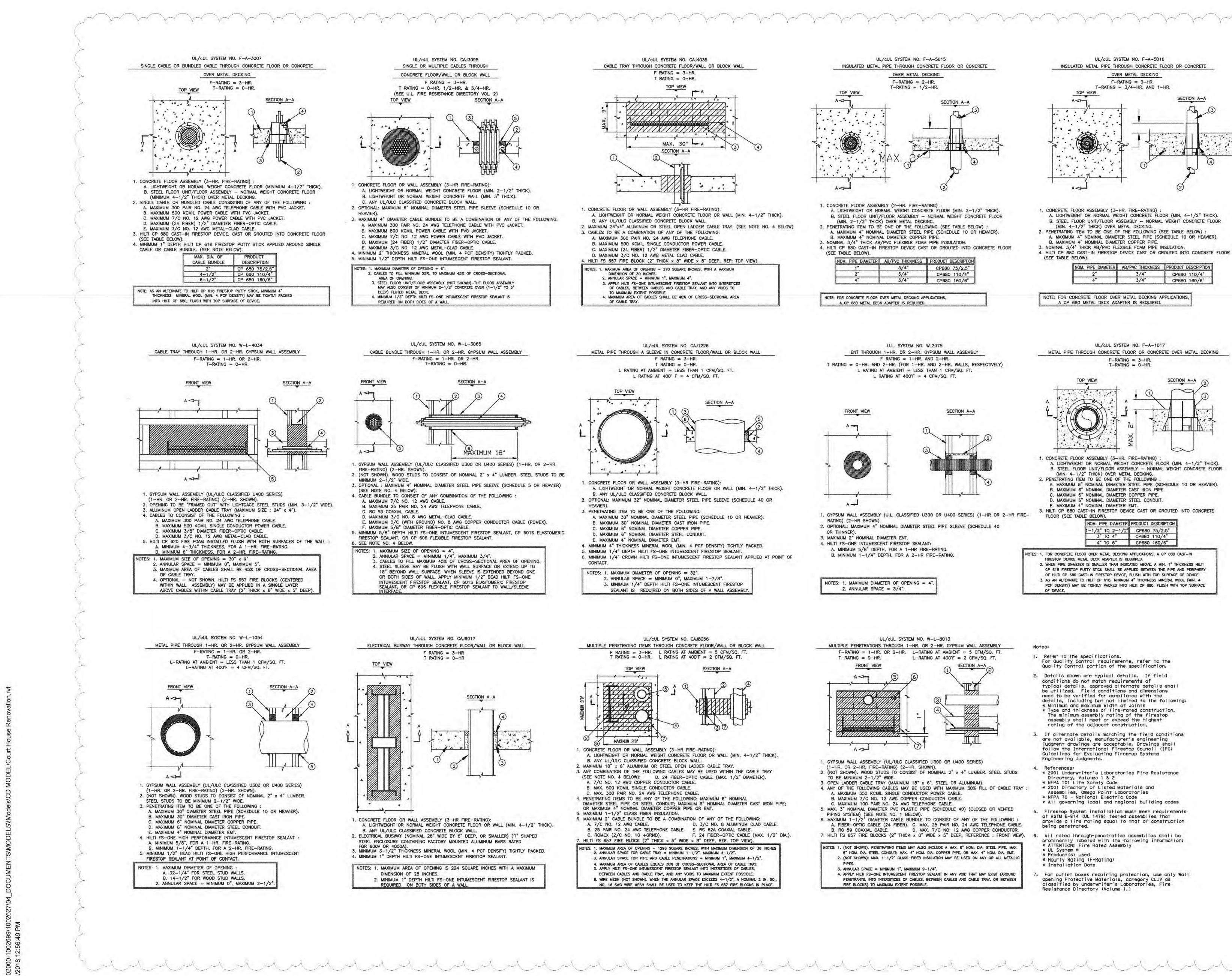
OCCUPANT LOAD PER FLOOR
EXISTING SQUARE FOOTAGE OF EXISITNG BUILDING IS NOT CHANGING. OFFICE SPACES IS TO BECOME A COURTROOM. THEREFORE; PROPOSED OCCUPANCY WILL NOT AFFECT NUMBER OF PLUMBING FIXTURES DUE TO PROPOSED TO HAVE LESS OCCUPANTS.

TRAVEL DISTANCE TYPE	OCCUPANCY	DISTANCE	DISTANCE
DISTANCE TO EXIT	BUSINESS	300 FT.	198 FT.
COMMON PATH OF TRAVEL	BUSINESS	100 FT.	92 FT.
DEAD END TRAVEL	BUSINESS	50 FT.	13 FT.

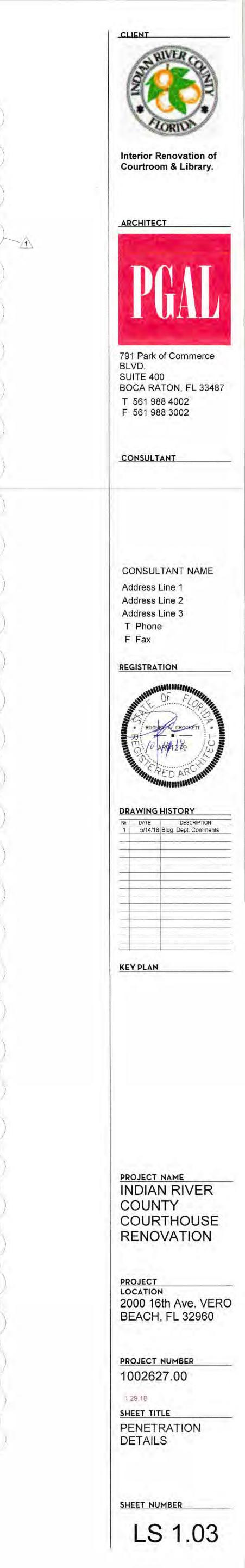
LIFE SAFETY PLAN SECOND FLOOR 3/32" = 1'-0" 1

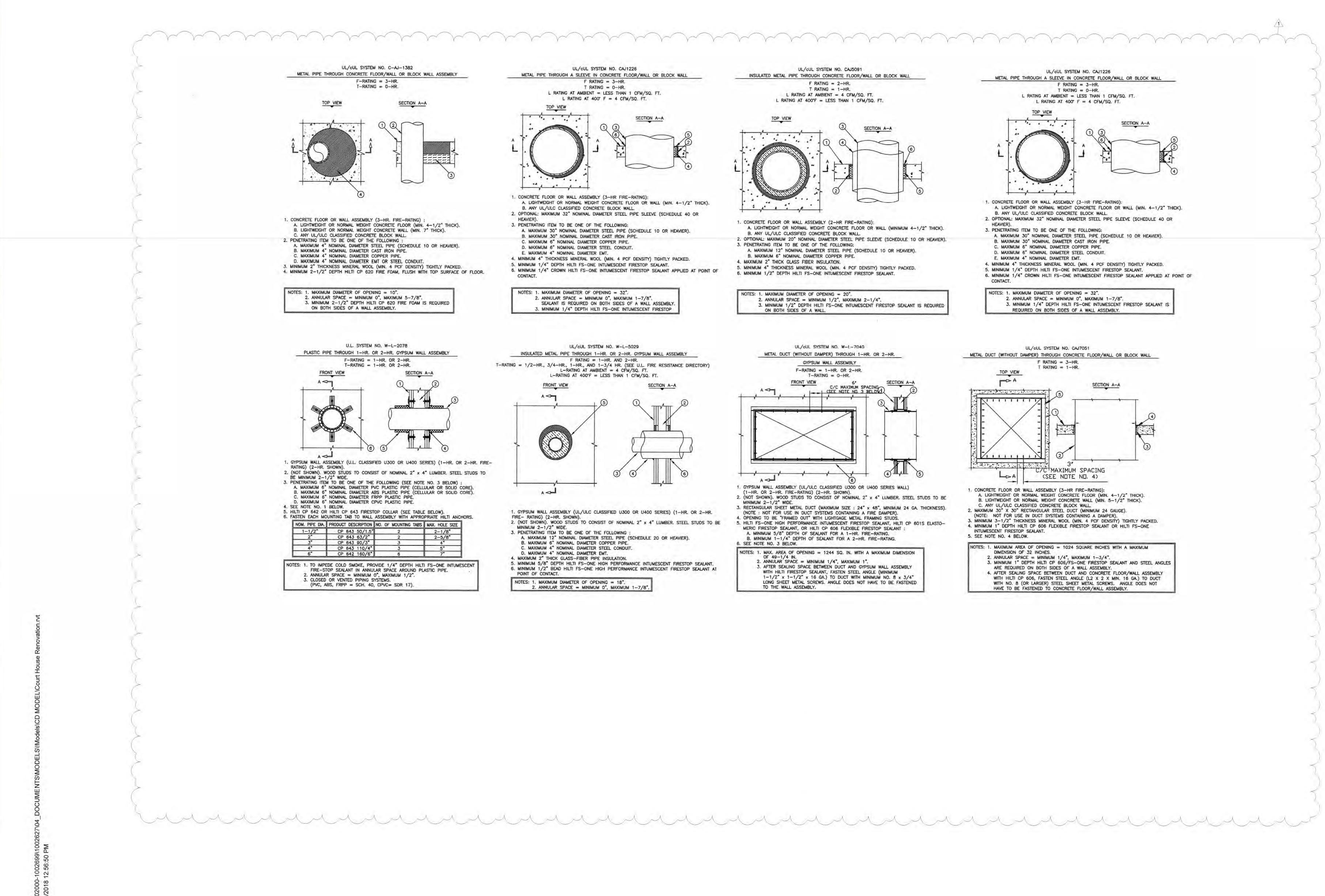
MEANS OF EGRESS:							
1. EGRESS CAPACITY SHALL BE BASED ON PREVENTION CODE 7.3.3.1). EXITS SHALL	0.2 IN./PERSON FOR HORIZONTAL EXIST (FLORIDA F BE IN ACCORDANCE AS FOLLOWS:		EGEND				
2. OCCUPANT LOADS (PER FLORIDA FIRE PF FBC 1004.1.2) ARE SPECIFIED AS FOLLOW	/S:				(F)	FIRE ALARM NOTIFICATI	
181 OCCUPANTS: 91 WOMEN / 91 MEN (TOT PER FBC - OCCUPANCY TYPE AND LOAD AN	TAL SPACE)		PRIMARY PATH OF TRAV (TRAVEL DISTANCE)	VEL	F	FIRE ALARM HORN/STR	
PER FBC - OCCUPANCE TIPE AND LOAD AN					F	FIRE ALARM PULL STAT	
		X	REQUIRED EXIT CAPACI	ITY			
WATER C	LOSETS	X	PROVIDED EXIT CAPACI	TΥ	<u> </u>	EXISTING (UNLESS OTH EMERGENCY LIGHT	
REQUIRED	PROVIDED				\odot	EXIT SIGN/ LIGHT WITH I	
1 PER 25 FOR FIRST 50. 1 PER 50 FOR THE REMAINDER EXCEEDING 50	(3) MEN'S WATER CLOSETS(EXISTING)		2x 4 EMERGENCY LIGH WITH BATTERY BACK UI		₩	ARROW.	
106 MEN = (4) WC'S	& (2) URINALS (3) - EXISTING (1) -NEW		2x 2 EMERGENCY LIGH	T FIXTURE	"R"	RELOCATED	
106 WOMEN = (4) WC'S	WOMEN'S WC'S WOMEN'S WC'S		WITH BATTERY BACK U	P.	"N"	NEW	
LAVATO	DRIES	FE	EXISTING (UNLESS OTH				
REQUIRED	PROVIDED	FEC	NOTED) FIRE EXTINGUIS BRACKET OR CABINET	TINGUISHER ON WALL PROF		<u>DTE:</u> COORDINATE WITH DEMOLIT OPOSED PLANS FOR RELOCATE IERGENCY/FIRE DEVICES. LIFE S	
1 PER 40 FOR FIRST 80. 1 PER 80 FOR THE REMAINDER EXCEEDING 80	(3) MEN'S LAV'S.	FHC	EXISTING FIRE HOSE CA	ABINET		ALL EXISITING, RELOCATED	
106 MEN = (3)LAV'S 106 WOMEN = (3) LAV'S	(4) - WOMEN'S LAV'S						
DRINKING F	OUNTAINS		1111111			MBLY (CONTINUOUS) TO REAULK PER DETAILS FOR ANY	
REQUIRED	PROVIDED					ICATIONS AND DETAILS.	
1 PER 100 212 PERSONS = 2 DRINKING FOUNTAINS	2 DRINKING FOUNTAINS (HI-LOW) EXISTING & ADDITIONAL DRINKING WATER SOURCE AT SERVERY & 3 CAFE BARS.			PROVIDE FIRE RAT	ED SEALANT/C/ ER TO SPECIF	MBLY (CONTINUOUS) TO RE AULK PER DETAILS FOR ANY ICATIONS AND DETAILS. SHALL BE 1 1/1 HR. RATED D	
SERVIC	E SINK						
REQUIRED	PROVIDED						
1	1						

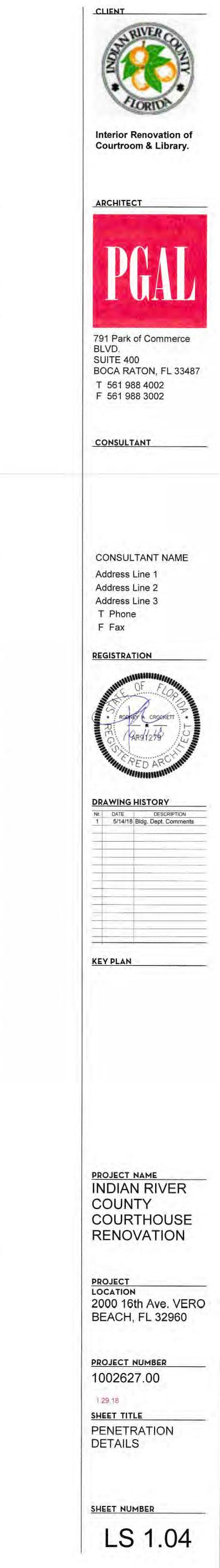


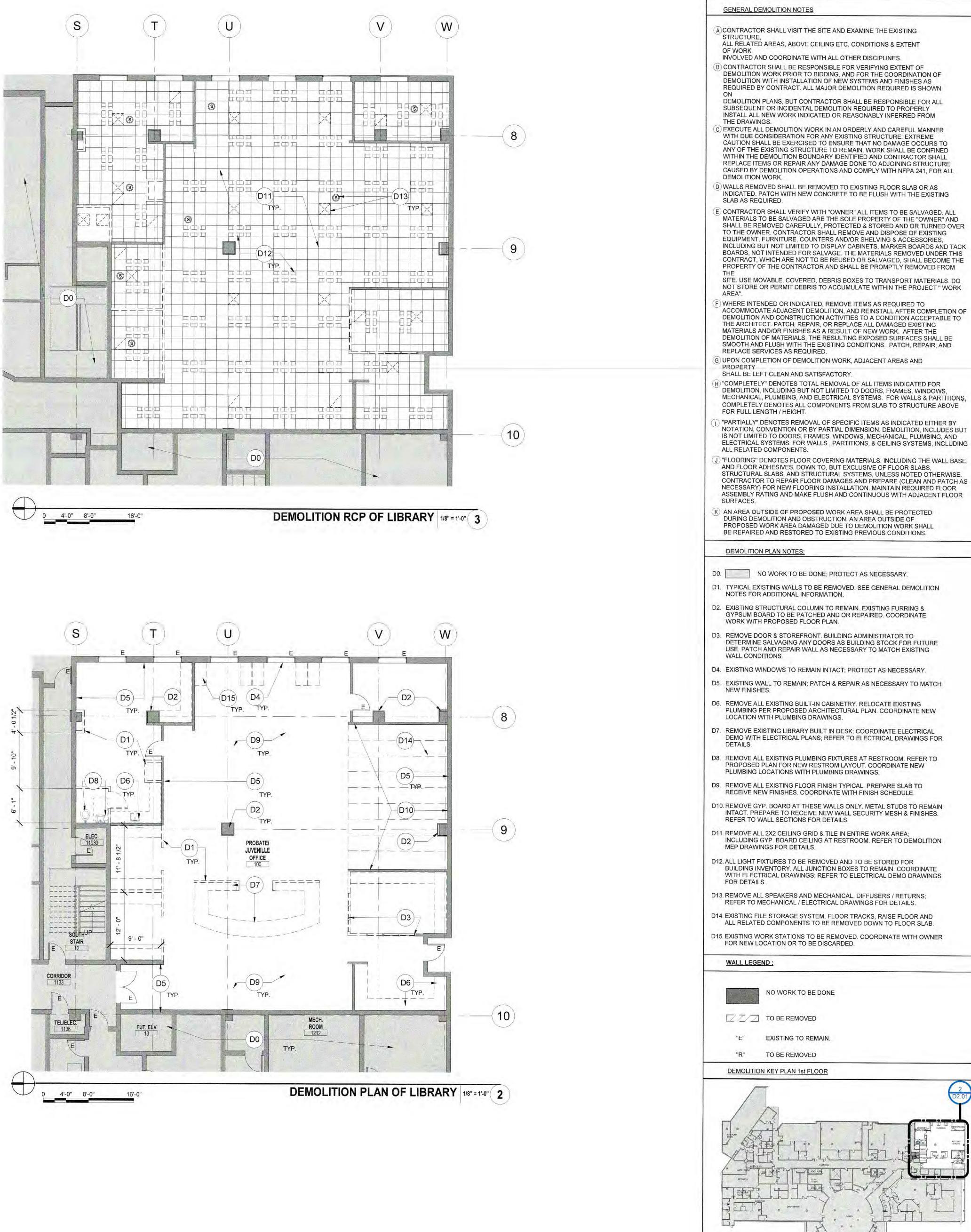


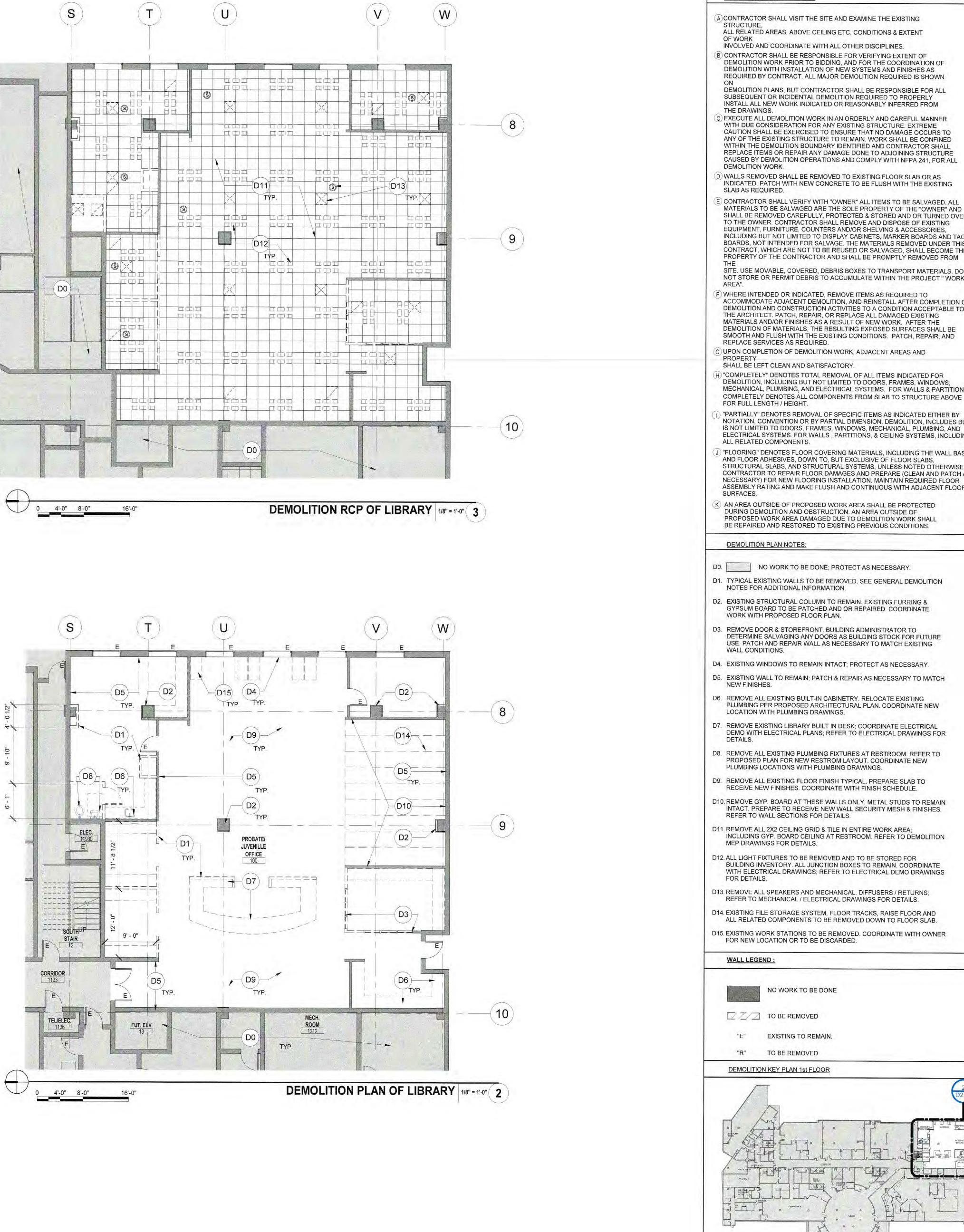
NOM.	PIPE DIAMETER	AB/PVC THICKNESS	PRODUCT DESCRIPTION
	2"	3/4"	CP680 110/4"
	4"	3/4"	CP680 160/6"

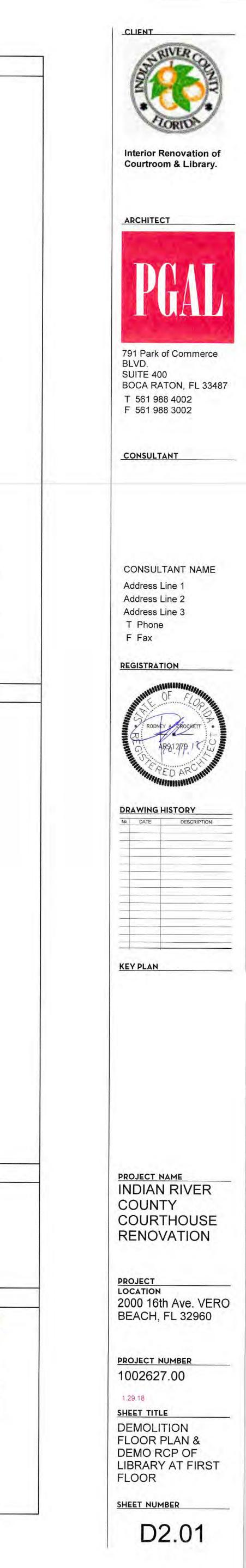






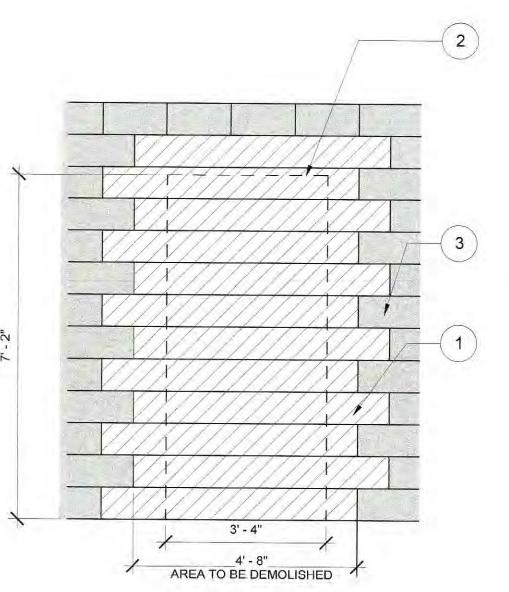


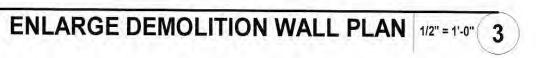




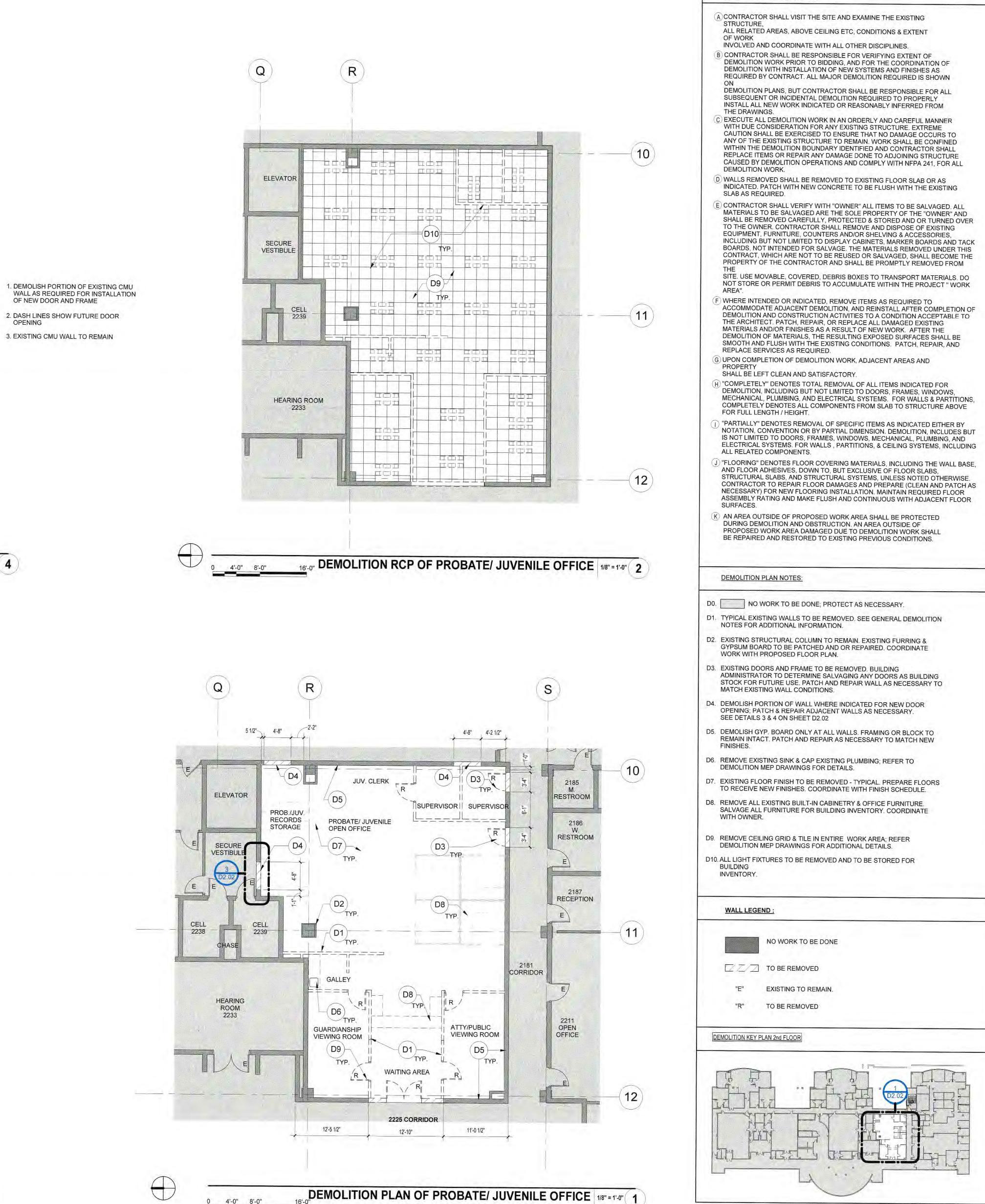
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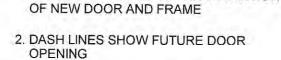




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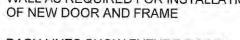


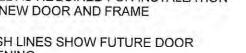


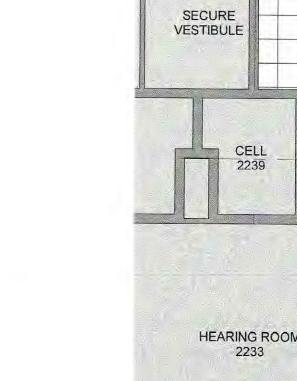


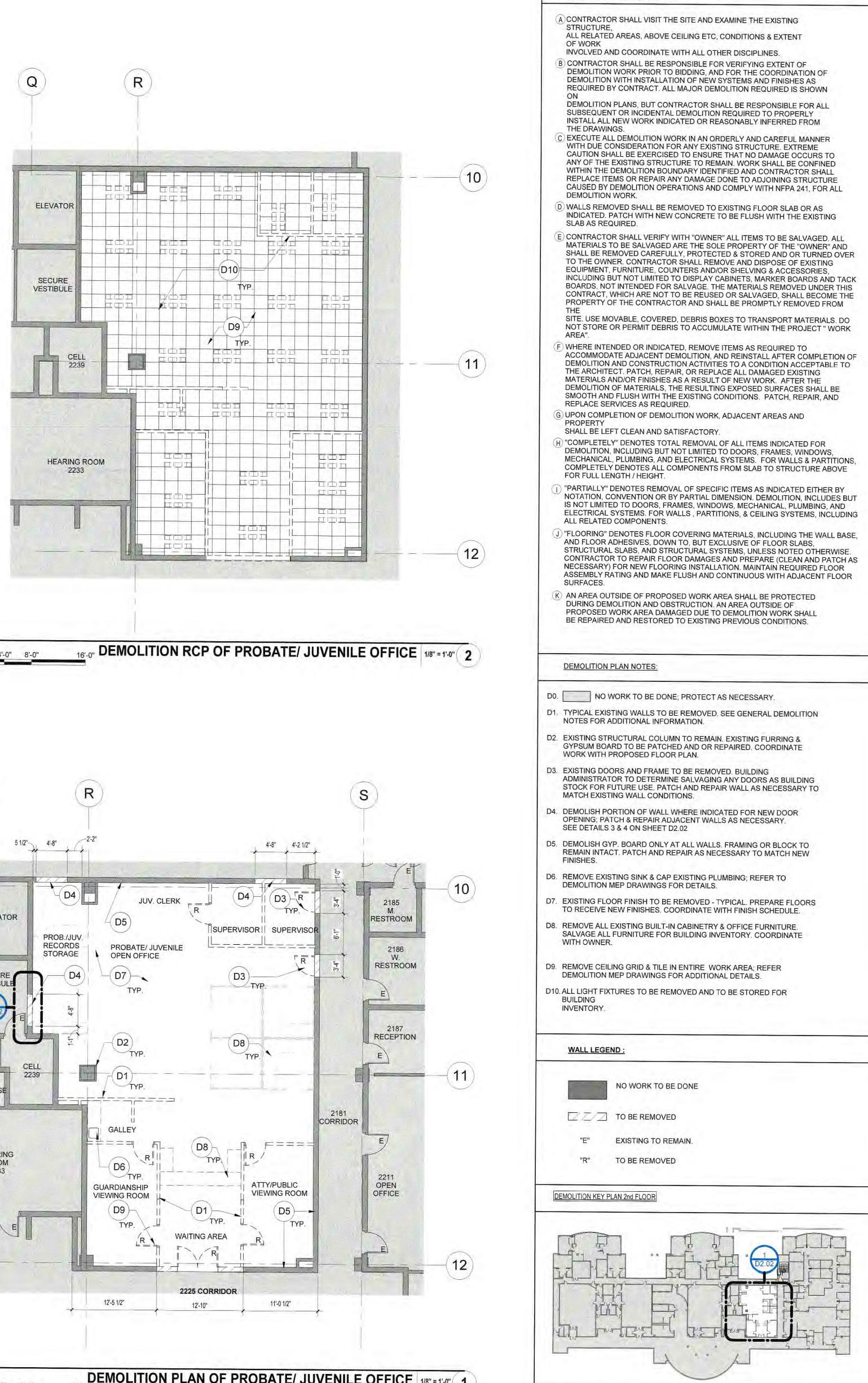
- WALL AS REQUIRED FOR INSTALLATION

- 1. DEMOLISH PORTION OF EXISTING CMU

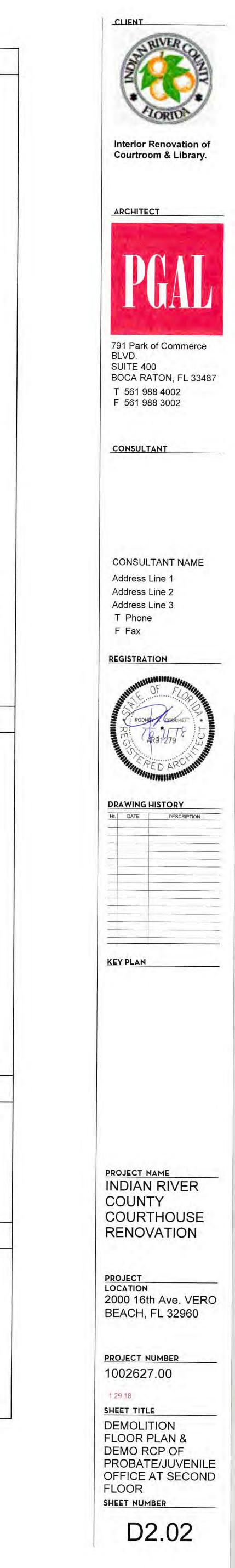






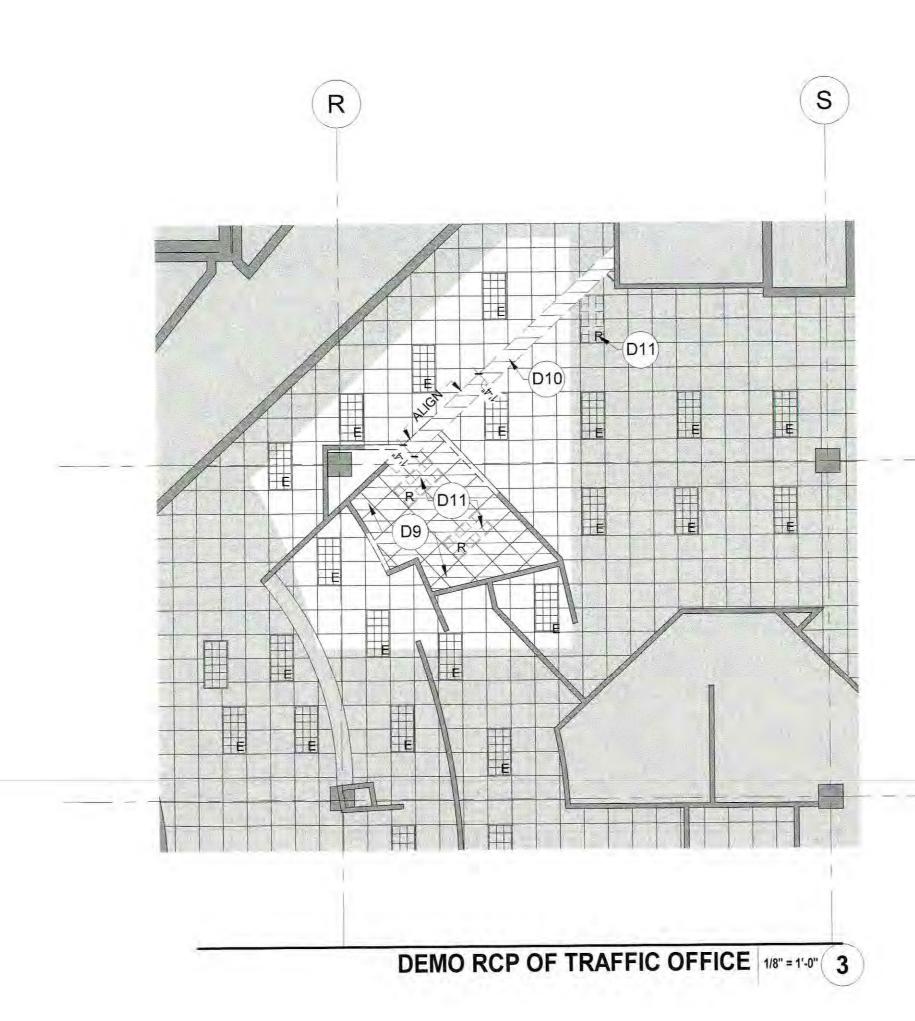


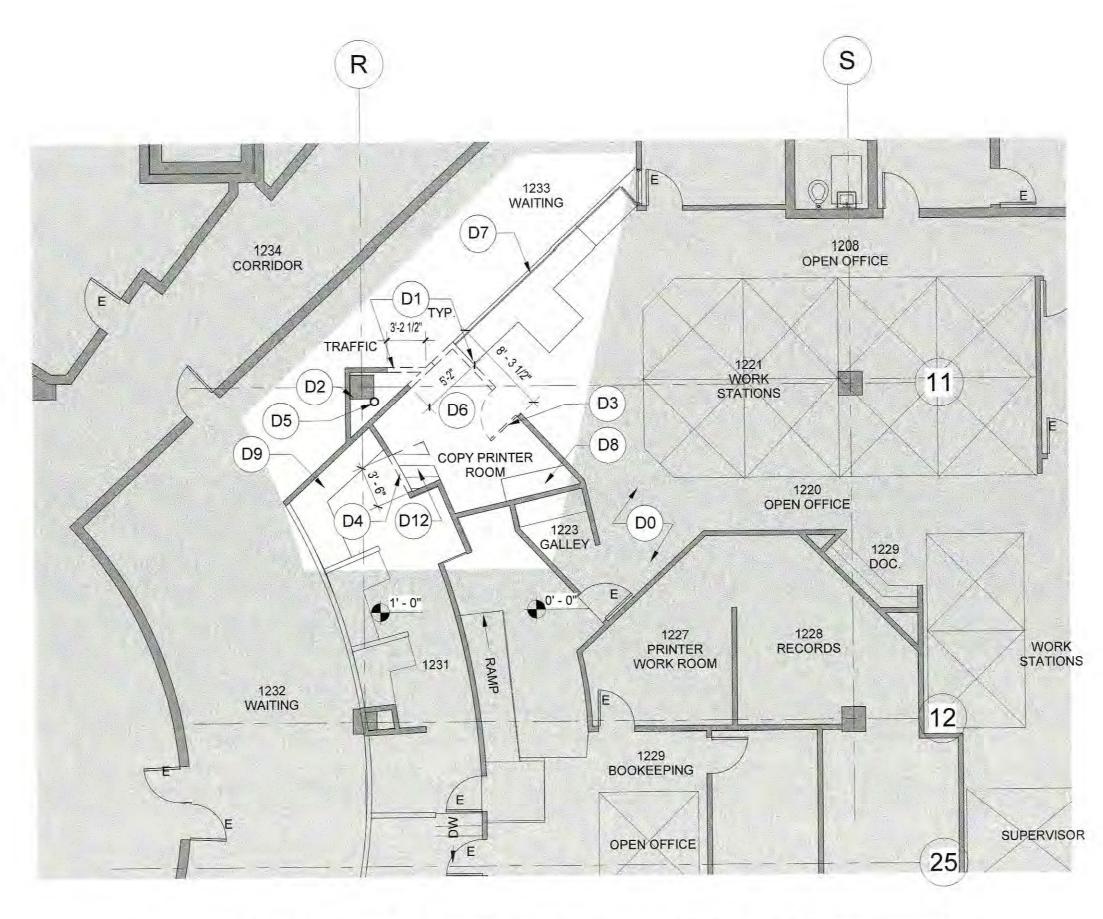
GENERAL DEMOLITION NOTES



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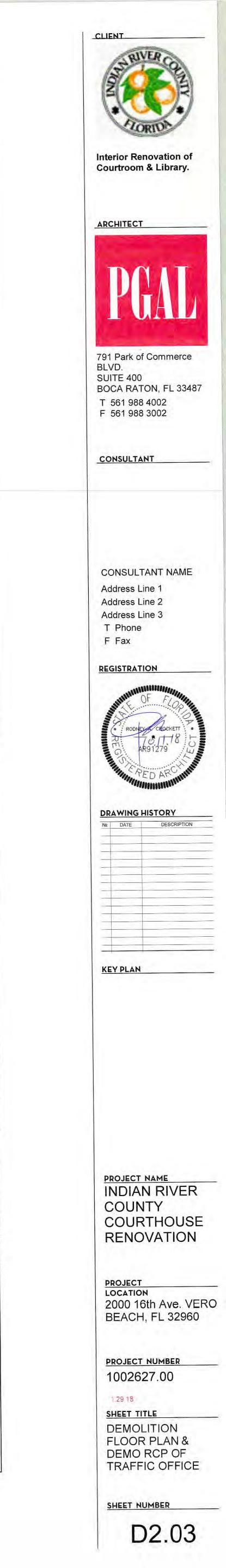
DEMOLITION FLOOR PLAN OF 12221 WORK STATIONS 1/8" = 1'-0" 1

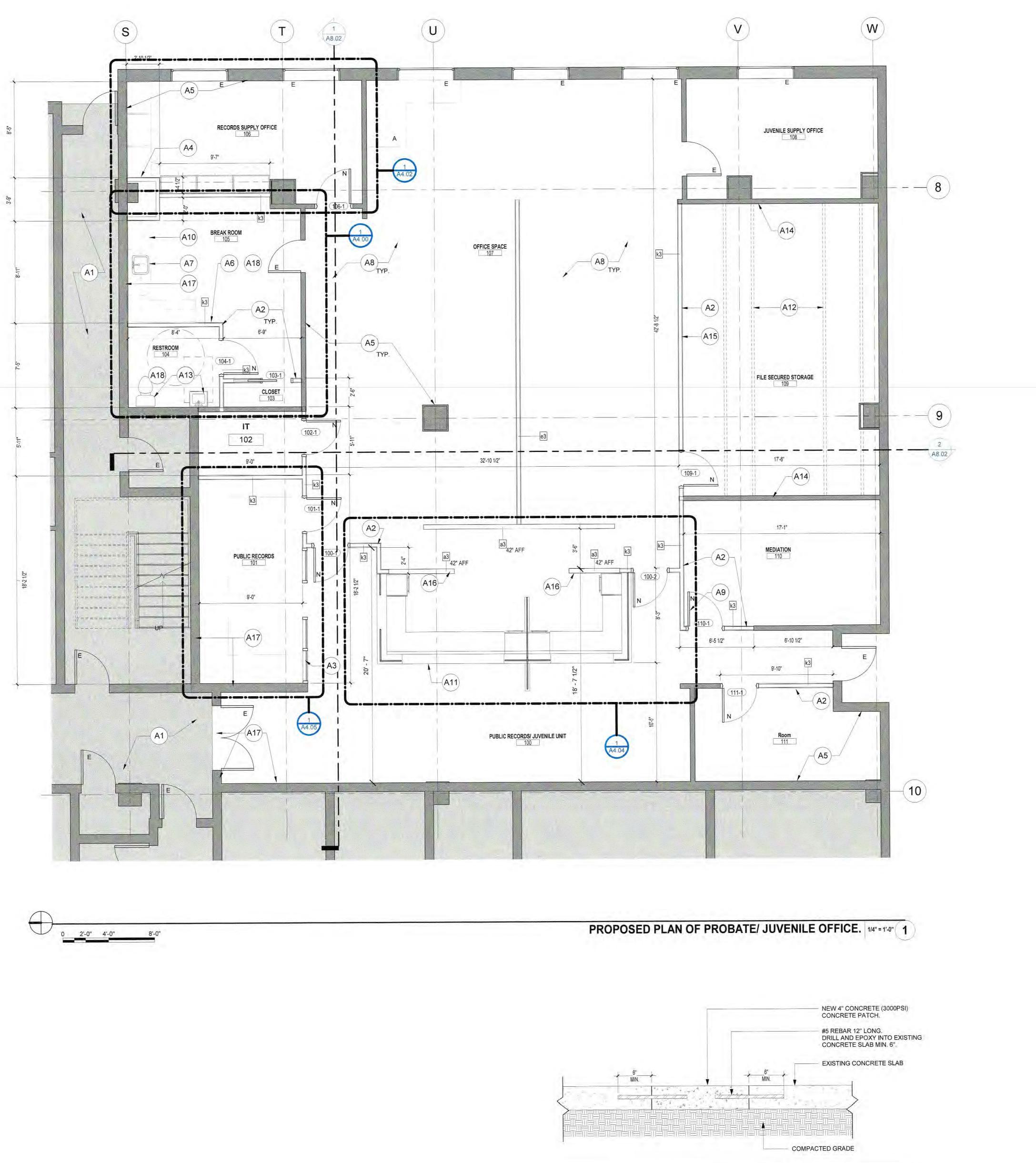
	RAL DEMOLITION NOTES
STRU	RACTOR SHALL VISIT THE SITE AND EXAMINE THE EXISTING CTURE, ELATED AREAS, ABOVE CEILING ETC, CONDITIONS & EXTENT
OF W	
DEMO	RACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXTENT OF DLITION WORK PRIOR TO BIDDING, AND FOR THE COORDINATION OF DLITION WITH INSTALLATION OF NEW SYSTEMS AND FINISHES AS DIRED BY CONTRACT. ALL MAJOR DEMOLITION REQUIRED IS SHOWN
SUBS	DLITION PLANS, BUT CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EQUENT OR INCIDENTAL DEMOLITION REQUIRED TO PROPERLY ALL ALL NEW WORK INDICATED OR REASONABLY INFERRED FROM
© EXEC	DRAWINGS. UTE ALL DEMOLITION WORK IN AN ORDERLY AND CAREFUL MANNER DUE CONSIDERATION FOR ANY EXISTING STRUCTURE. EXTREME ION SHALL BE EXERCISED TO ENSURE THAT NO DAMAGE OCCURS TO
ANY	THE EXISTING STRUCTURE TO REMAIN. WORK SHALL BE CONFINED IN THE DEMOLITION BOUNDARY IDENTIFIED AND CONTRACTOR SHALL ACE ITEMS OR REPAIR ANY DAMAGE DONE TO ADJOINING STRUCTURE
CAUS	ED BY DEMOLITION OPERATIONS AND COMPLY WITH NFPA 241, FOR ALL DLITION WORK. S REMOVED SHALL BE REMOVED TO EXISTING FLOOR SLAB OR AS
	ATED. PATCH WITH NEW CONCRETE TO BE FLUSH WITH THE EXISTING AS REQUIRED.
MATE	RACTOR SHALL VERIFY WITH "OWNER" ALL ITEMS TO BE SALVAGED. ALL RIALS TO BE SALVAGED ARE THE SOLE PROPERTY OF THE "OWNER" AND L BE REMOVED CAREFULLY, PROTECTED & STORED AND OR TURNED OVER HE OWNER. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING
EQUI INCL BOAI	PMENT, FURNITURE, COUNTERS AND/OR SHELVING & ACCESSORIES, JDING BUT NOT LIMITED TO DISPLAY CABINETS, MARKER BOARDS AND TACK RDS, NOT INTENDED FOR SALVAGE. THE MATERIALS REMOVED UNDER THIS TRACT, WHICH ARE NOT TO BE REUSED OR SALVAGED, SHALL BECOME THE
PROI THE SITE	PERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM
NOT ARE/	STORE OR PERMIT DEBRIS TO ACCUMULATE WITHIN THE PROJECT " WORK \". RE INTENDED OR INDICATED, REMOVE ITEMS AS REQUIRED TO
ACC DEM THE	OMMODATE ADJACENT DEMOLITION, AND REINSTALL AFTER COMPLETION OF OLITION AND CONSTRUCTION ACTIVITIES TO A CONDITION ACCEPTABLE TO ARCHITECT, PATCH, REPAIR, OR REPLACE ALL DAMAGED EXISTING
DEM SMO	ERIALS AND/OR FINISHES AS A RESULT OF NEW WORK. AFTER THE OLITION OF MATERIALS, THE RESULTING EXPOSED SURFACES SHALL BE OTH AND FLUSH WITH THE EXISTING CONDITIONS. PATCH, REPAIR, AND ACE SERVICES AS REQUIRED.
PRO	N COMPLETION OF DEMOLITION WORK, ADJACENT AREAS AND PERTY LL BE LEFT CLEAN AND SATISFACTORY.
(H) "COM DEM MEC	IPLETELY" DENOTES TOTAL REMOVAL OF ALL ITEMS INDICATED FOR OLITION, INCLUDING BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS, HANICAL, PLUMBING, AND ELECTRICAL SYSTEMS. FOR WALLS & PARTITIONS,
CON FOR	IPLETELY DENOTES ALL COMPONENTS FROM SLAB TO STRUCTURE ABOVE FULL LENGTH / HEIGHT. RTIALLY" DENOTES REMOVAL OF SPECIFIC ITEMS AS INDICATED EITHER BY
NOT IS NOT	ATION, CONVENTION OR BY PARTIAL DIMENSION. DEMOLITION, INCLUDES BUT DT LIMITED TO DOORS, FRAMES, WINDOWS, MECHANICAL, PLUMBING, AND CTRICAL SYSTEMS. FOR WALLS, PARTITIONS, & CEILING SYSTEMS, INCLUDING RELATED COMPONENTS.
	RELATED COMPONENTS. ORING" DENOTES FLOOR COVERING MATERIALS, INCLUDING THE WALL BASE, FLOOR ADHESIVES, DOWN TO, BUT EXCLUSIVE OF FLOOR SLABS, UCTURAL SLABS, AND STRUCTURAL SYSTEMS, UNLESS NOTED OTHERWISE.
CON NEC ASS	ITRACTOR TO REPAIR FLOOR DAMAGES AND PREPARE (CLEAN AND PATCH AS ESSARY) FOR NEW FLOORING INSTALLATION. MAINTAIN REQUIRED FLOOR EMBLY RATING AND MAKE FLUSH AND CONTINUOUS WITH ADJACENT FLOOR
(K) AN	FACES. AREA OUTSIDE OF PROPOSED WORK AREA SHALL BE PROTECTED RING DEMOLITION AND OBSTRUCTION. AN AREA OUTSIDE OF
BE	OPOSED WORK AREA DAMAGED DUE TO DEMOLITION WORK SHALL REPAIRED AND RESTORED TO EXISTING PREVIOUS CONDITIONS.
	MOLITION PLAN NOTES:
D0.	NO WORK TO BE DONE; PROTECT AS NECESSARY.
	PICAL EXISTING WALLS TO BE REMOVED. SEE GENERAL DEMOLITION TES FOR ADDITIONAL INFORMATION.
FU PA	ISTING STRUCTURAL COLUMN TO REMAIN. PORTION OF EXISTING RRING & GYPSUM BOARD TO BE REMOVED WHERE INDICATED. TCH & REPAIR EXISTING FURRING AS NECESSARY. COORDINATE DRK WITH PROPOSED FLOOR PLAN.
AD ST	ISTING DOOR AND FRAME TO BE REMOVED. BUILDING MINISTRATOR TO DETERMINE SALVAGING ANY DOORS AS BUILDING OCK FOR FUTURE USE. PATCH AND REPAIR WALL AS NECESSARY TO ATCH EXISTING WALL CONDITIONS.
D4. DE DI	MOLISH PORTION OF WALL WHERE INDICATED; REFER TO MENSIONS FOR NEW OPENING. PATCH & REPAIR ADJACENT WALLS AS CESSARY TO MANTAIN EXISTING CONDITIONS.
D5. PL	UMBING LINE TO REMAIN INTACT. PROTECT AS NECESSARY.
DI	EMOVE EXISTING FLOOR FINISH WHERE INDICATED; REFER TO MENSIONS AND PROPOSED FLOOR PLAN FOR DETAILS. EMOVE EXISTING ALUMINUM FRAMES AND GLASS AT TRANSACTION
CON	DUNTER TOP. PATCH, REPAIR & PROTECT COUNTER TOP AS ECESSARY.
D9 RI	JILT IN COUNTERTOP TO REMAIN INTACT. PROTECT AS NECESSARY. EMOVE ALL CEILING GRID & TILE WHERE INDICATED; ADJACENT RCP D BE PROTECTED AS NECESSARY. REFER TO DEMOLITION MEP
DI D10 R	RAWINGS FOR DETAILS. EMOVE PORTION OF EXISITNG CEILING GRID AND TILE WHERE
R	DICATE FOR FUTURE SOFFIT. REFER TO PROPOSED RCP LAYOUT AND CP DETAILS.
IN D12 R	" LIGHT FIXTURES TO BE REMOVED AND TO BE RELOCATED WHERE DICATED PER NEW RCP LAYOUT. REFER TO PROPOSED RCP. EMOVE EXISTING SHELVING IN THIS ROOM. ALSO REMOVE SHELVING
S	TANDARDS AND SHELVING COMPLETLY. PATCH WALLS AS NECESSARY
Ŋ	VALL LEGEND :
I	NO WORK TO BE DONE
ſ	
	"E" EXISTING TO REMAIN.
	"R" TO BE REMOVED

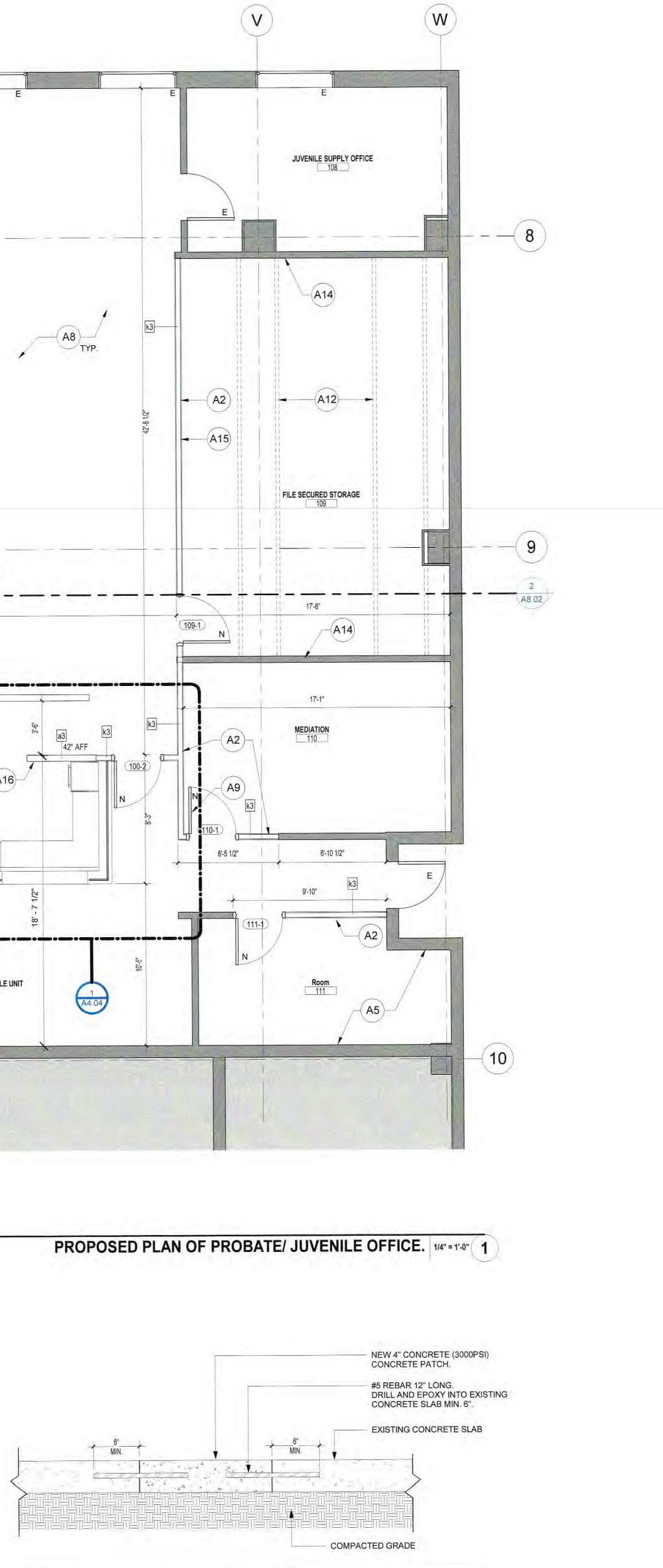
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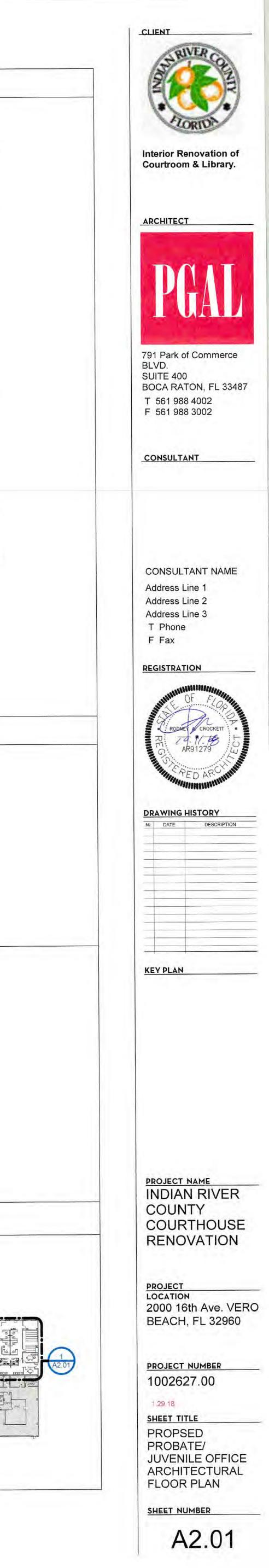




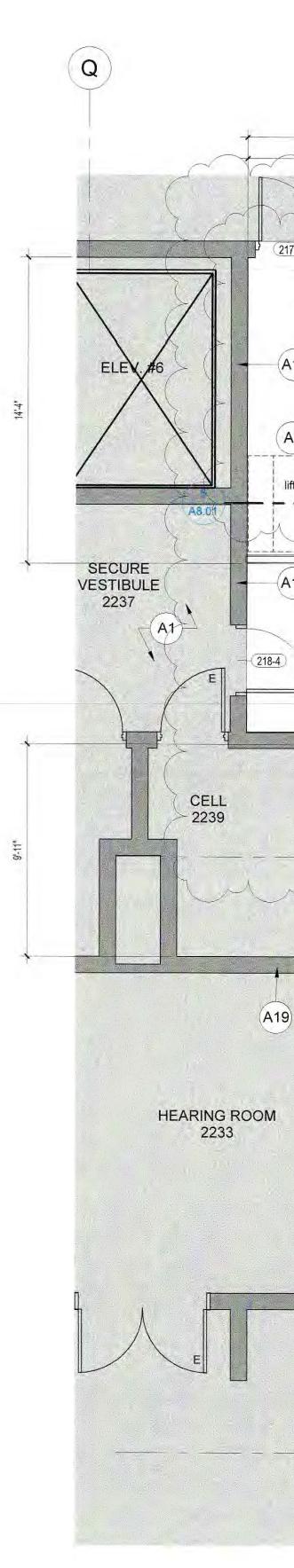


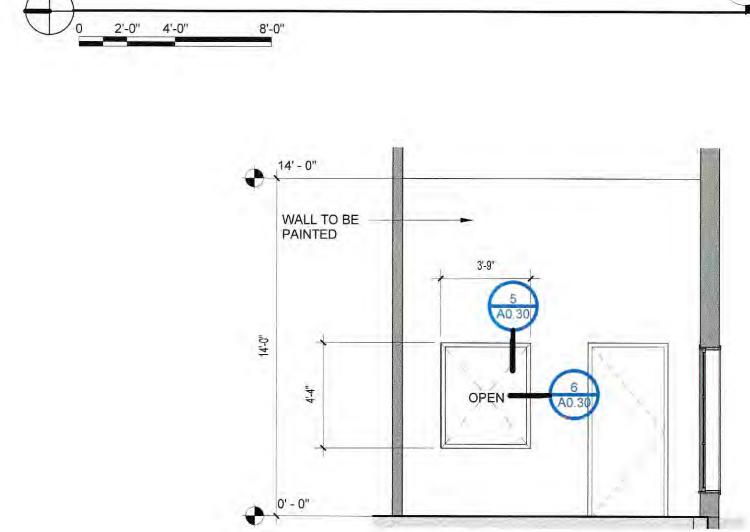
SLAB REPAIR DETAIL 1 1/2" = 1'-0" 2

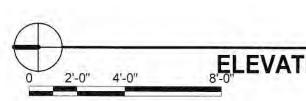
	ARCHITECTURAL NOTES:
A1. A2.	NO WORK TO BE DONE, PROTECT ALL EXISTING CONDITIONS AS NECESSARY.
AZ.	PARTITION TYPE DETAILS ON SHEET A0.10. TYPICAL INTERIOR WALLS ARE TYPE "k3" UNLESS OTHERWISE NOTED.
A3.	NEW INTERIOR ALUMINUM/ GLASS PARTITION SYSTEM, G.C. TO PROVIDE SHOP DRAWINGS FOR ARCHITECT APPROVAL. REFER TO INTERIOR ELEVATIONS FOR DETAILS. PROVIDE
A4.	EXISTING COLUMN TO BE FURRED OUT METAL FRAMING CHANNELS @ 16 O.C. MIN; PROVIDE 5/8" TYPE "X" GYPSUM BOARD ALL EXPOSED SIDES; REFER TO WALL TAG FOR ADDITIONAL INFORMATION.
A5.	EXISITNG WALL TO REMAIN; PATCH AND REPAIR AS NECESSARY. MATCH NEW INTERIOR FINISHES.
A6.	PROVIDE WATER LINE FOR REFRIGERATOR FOR ICE MAKER. COORDINATE WITH PLUMBING DRAWINGS.
A7.	PROVIDE PLUMBING CONNECTION FOR NEW SINK. COORDINATE WITH PLUMBING DRAWINGS.
A8. A9.	INSTALL NEW FLOORING PER FINISH SCHEDULE.
A10,	INSTALL NEW WALL AND BASE CABINETS; REFER TO ENLARGED PLANS & ELEVATIONS FOR DETAILS.
A11.	NEW BUILT IN JUVENILE/ LAND RECORDS DESK; REFER TO ENLARGED PLAN FOR ELEVATIONS, SECTIONS AND DETAILS.
A12.	NEW METAL STORAGE CABINETS; REFER TO SHOP DRAWINGS FOR DETAILS OF INSTALLATION.
A13.	INSTALL NEW PLUMBING FIXTURES WHERE INDICATED; REFER TO PLUMBING DRAWINGS FOR DETAILS.
A14.	INSTALL METAL STUDS ON TOP OF EXISTING WALL TO DECK ABOVE. INSTALL SECURITY MESH ON METAL STUDS (AS DIRECTED BY SECURITY MESH SUPPLIER) AT THESE LOCATIONS FROM FLOOR SLAB TO DECK ABOVE FINISH WITH 5/8" TYPE "X" GYPSUM BOARD OVER SECURITY MESH.
A15.	INSTALL SECURITY MESH ON THIS SIDE OF WALL (AS DIRECTED BY SECURITY MESH SUPPLIER) FROM FLOOR TO DECK ABOVE FINISH WITH 5/8" TYPE "X" GYPSUM BOARD.
A16.	NEW KNEE STUD WALL. COORDINTE WITH TAGGED WALL TYPE AND PARTITION TYPE DETAILS ON SHEET A0.10. TYPICAL INTERIOR WALLS ARE TYPE "k3" UNLESS OTHERWISE NOTED.
A17.	EXISTING WALL IS A 1 HR. OR 2HR FIRE RATED WALL. VERIFY THE RATING WITH THE LIFE SAFETY PLANS. THE INTEGRITY OF THIS WALLS SHALL BE MAINTAINED. REPAIR ANY DAMAGE TO WALL TO KEEP REQUIRED FIRE RATING INTACT. OPENING/PENETRATIONS SHALL HAVE RATED ASSEBLIES AND RATED FIRE CAULKING/SEALANT PER DETAILS AND SPECIFICATIONS. DUCTS TO HAVE REQUIRED FIRE DAMPERS.
A18.	THE EXISTING SLAB IN THIS AREA MAY REQUIRE CUTTING TO ACCOMODATE NEW PLUMBING. COORDINATE THIS WORK WITH PLUMBING DRAWINGS. SEE
	SLAB REPAIR DETAIL THIS SHEET.
	WALL LEGEND :
	EXISTING WALL NEW WALL
	NO WORK TO BE DONE
	"E" EXISTING TO REMAIN.
	"N" NEW "RE" RELOCATED
	WALL TAG
-	
	KEY PLAN, 1ST FLOOR PROPOSED PLAN:
	Manual I
	Mr W



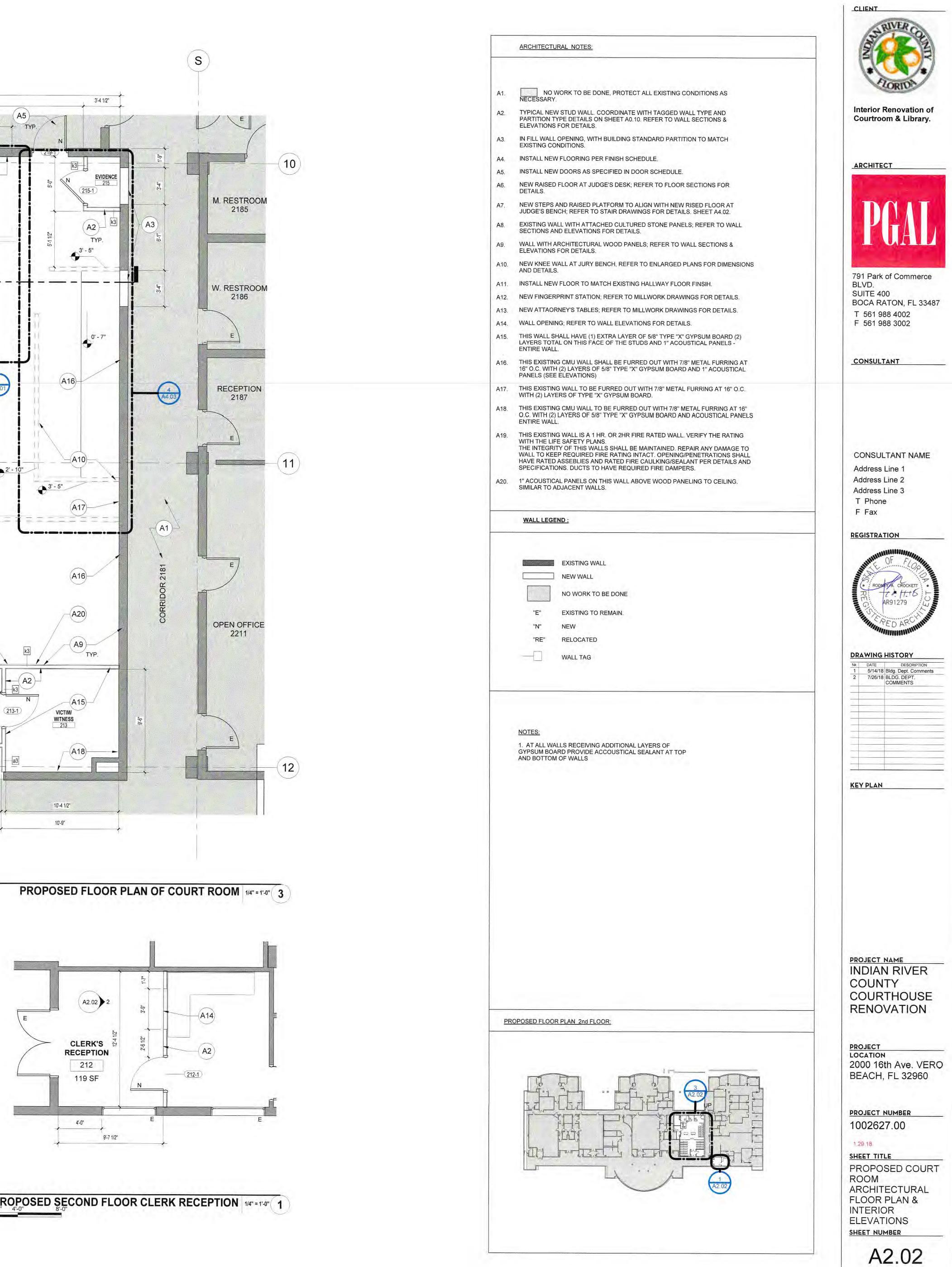
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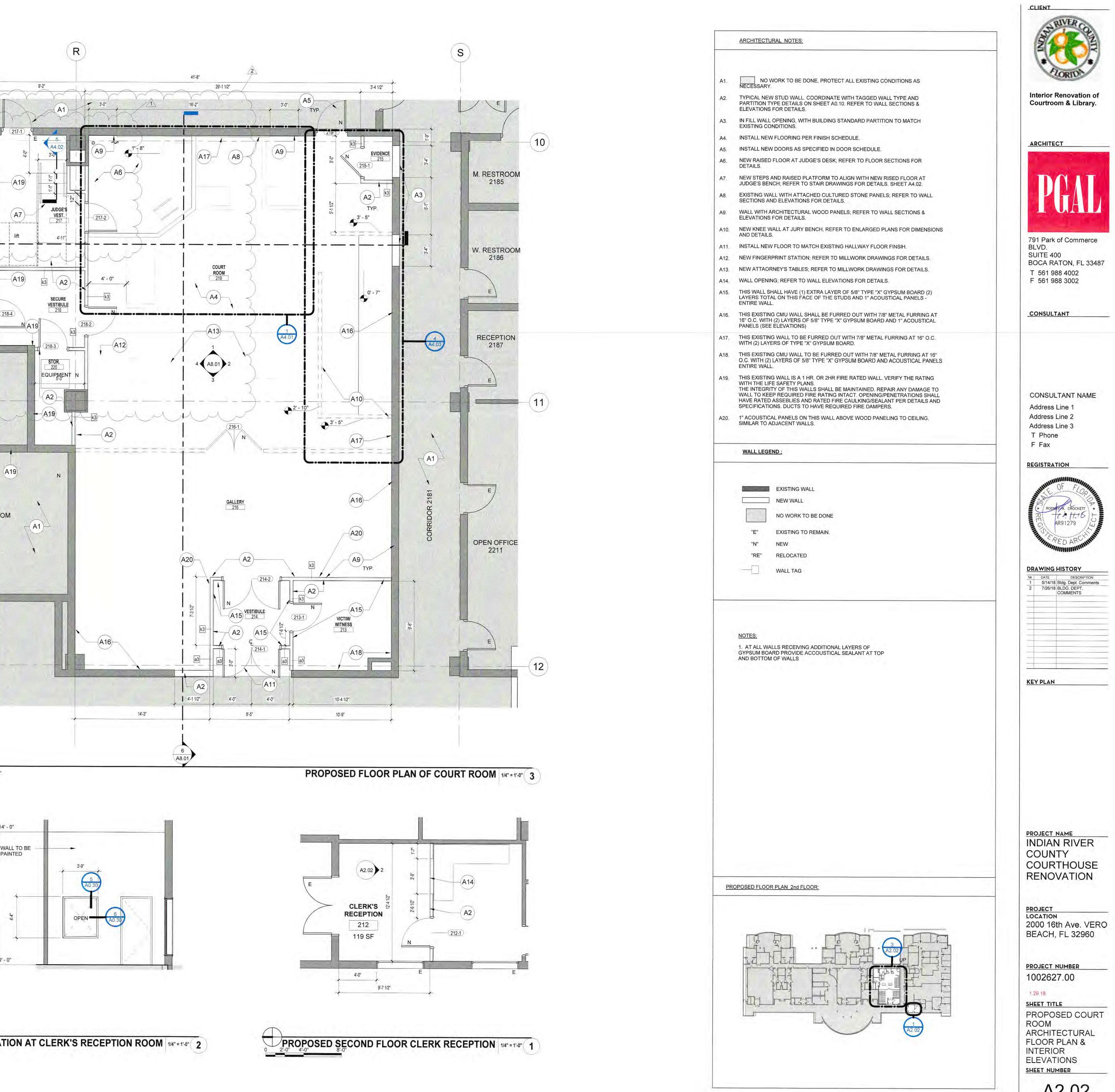




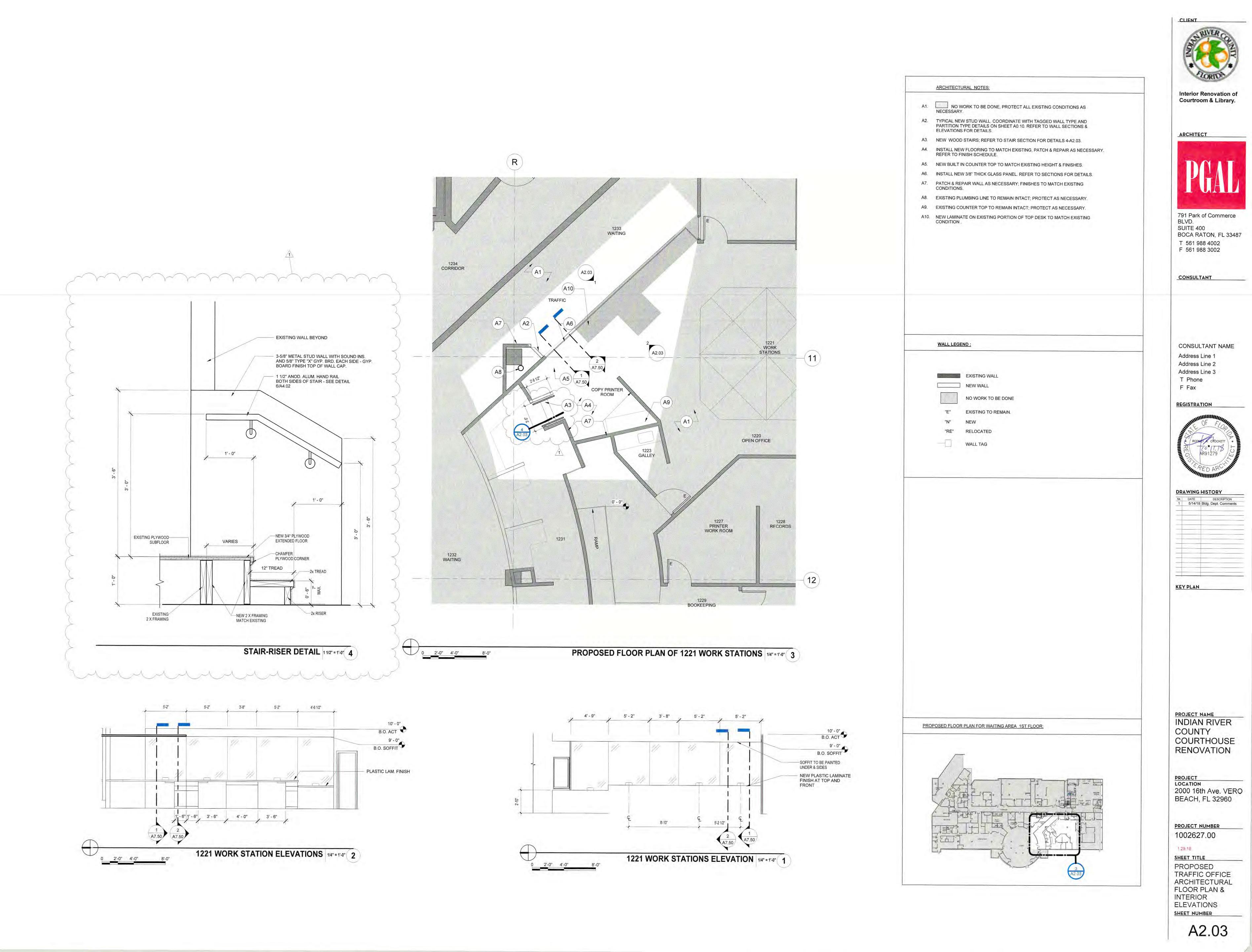


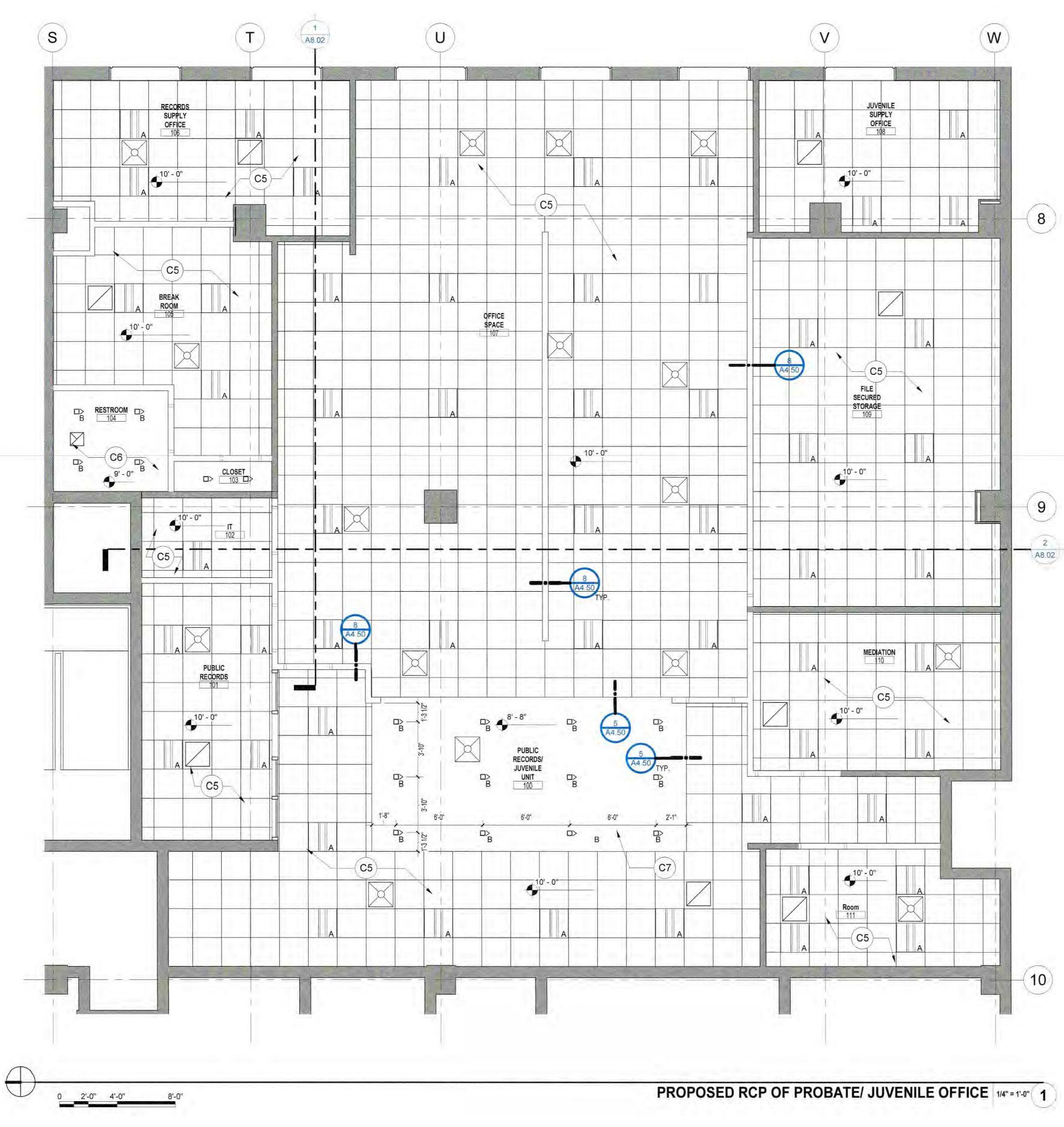
ELEVATION AT CLERK'S RECEPTION ROOM 1/4" = 1'-0" 2





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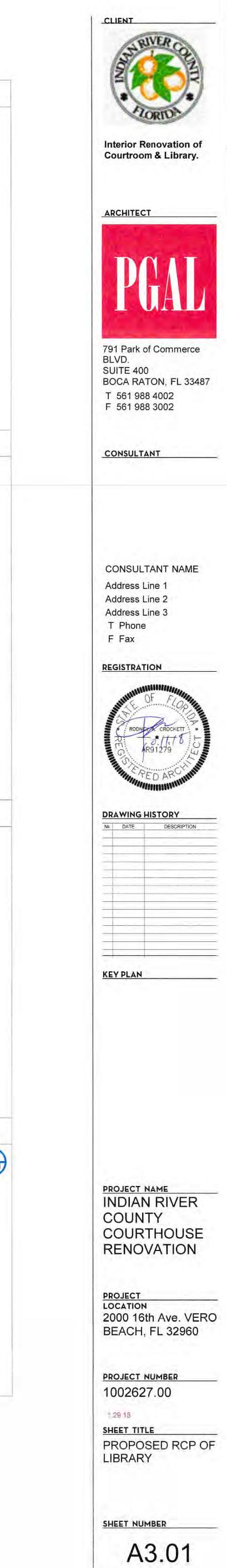
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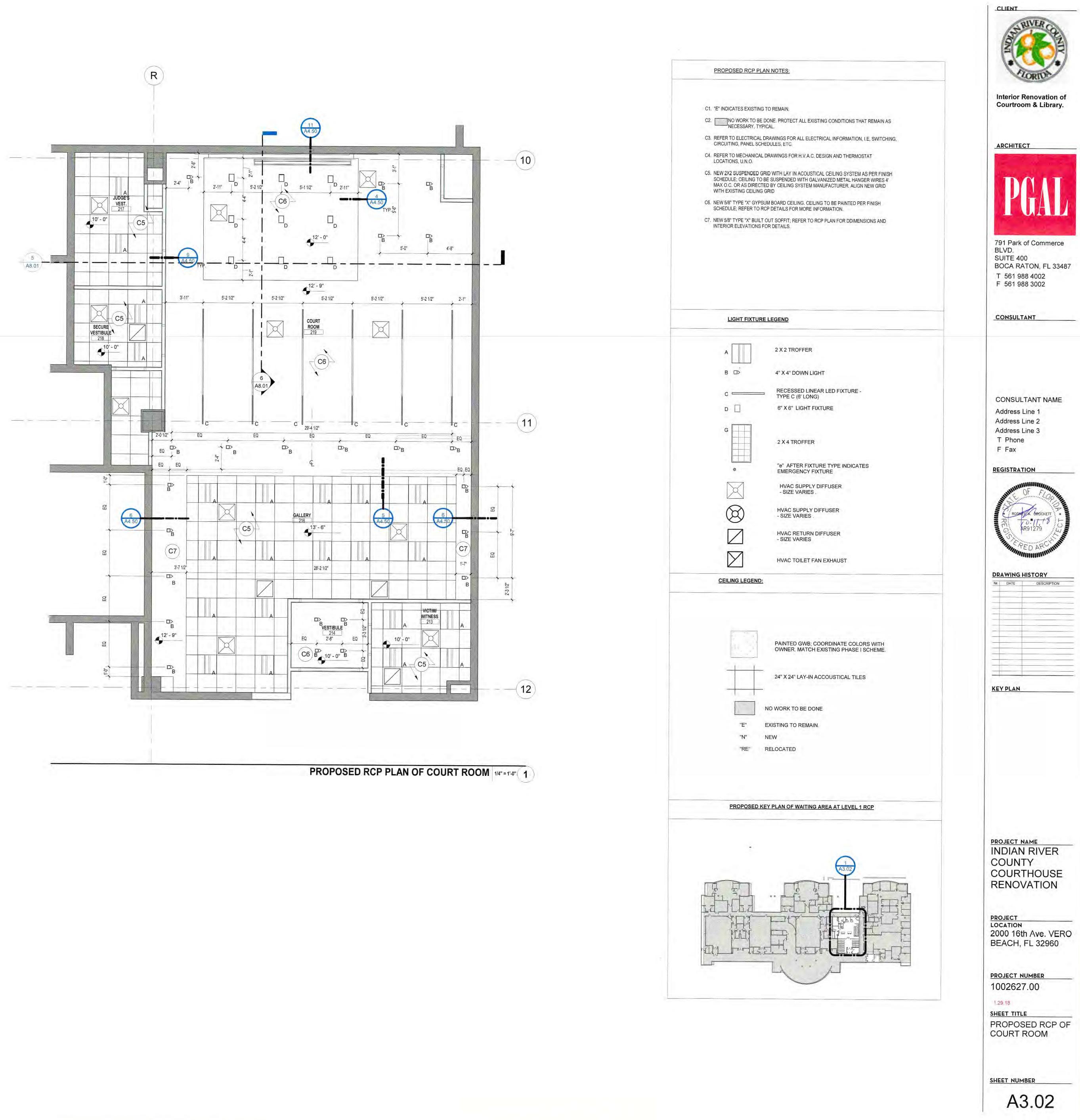
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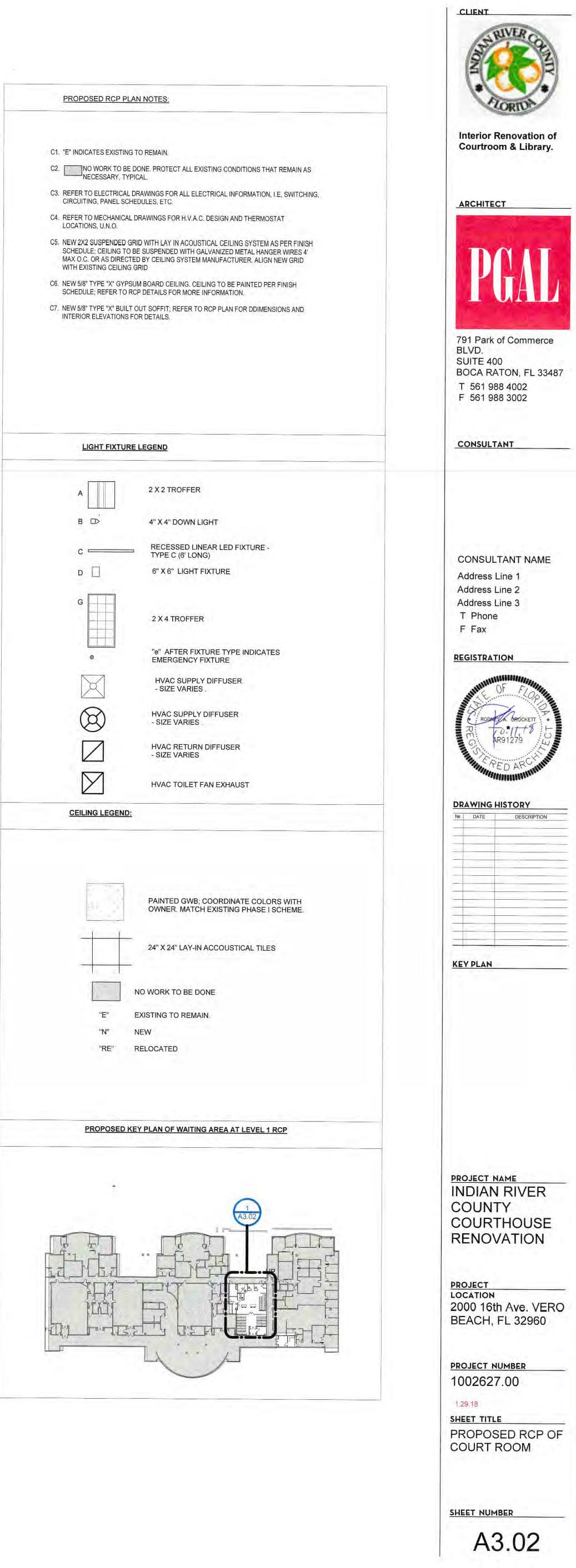
 "E" INDICATES EXISTING TO REMAIN. Imposed to be done. PROTECT ALL EXISTING CONDITIONS THAT REMAIN AS NECESSARY, TYPICAL. REFER TO ELECTRICAL DRAWINGS FOR ALL ELECTRICAL INFORMATION, I.E, SWITCHING, CIRCUITING, PANEL SCHEDULES, ETC. REFER TO MECHANICAL DRAWINGS FOR H.V.A.C. DESIGN AND THERMOSTAT LOCATIONS, U.N.O. NEW 2X2 SUSPENDED GRID WITH LAY IN ACOUSTICAL CEILING SYSTEM AS PER FINISH SCHEDULE; CEILING TO BE SUSPENDED WITH GALVANIZED METAL HANGER WIRES 4" MAX O.C. OR AS DIRECTED BY CEILING SYSTEM MANUFACTURER. ALIGN NEW GRID WITH EXISTING CEILING GRID NEW 5/8" TYPE 'X" GYPSUM BOARD CEILING. CEILING TO BE PAINTED PER FINISH SCHEDULE; REFER TO RCP DETAILS FOR MORE INFORMATION. NEW 5/8" TYPE 'X" BUILT OUT SOFFIT; REFER TO RCP PLAN FOR DDIMENSIONS AND INTERIOR ELEVATIONS FOR DETAILS.
LIGHT FIXTURE LEGEND
A 2X2 TROFFER B D 4"X4" DOWN LIGHT C RECESSED LINEAR LED FIXTURE - TYPE C (6"LONG) D 6"X6" LIGHT FIXTURE 0 0 6"X6" LIGHT FIXTURE 0 0 6"X6" LIGHT FIXTURE 0 0 6"X6" LIGHT FIXTURE TYPE INDICATES 0 0 2X4 TROFFER 0 0 6"X6" AFTER FIXTURE TYPE INDICATES 0 0 1"X4" RESERVEY FIXTURE 0 0 1"X4" RESERVEY FIXTURE 0 1"X4" ASUPPLY DIFFUSER 1 1"X4" CSUPPLY DIFFUSER 1 1"X4" CSUPLY DIFFUSER 1 1"X4" C

PROPOSED RCP PLAN NOTES:

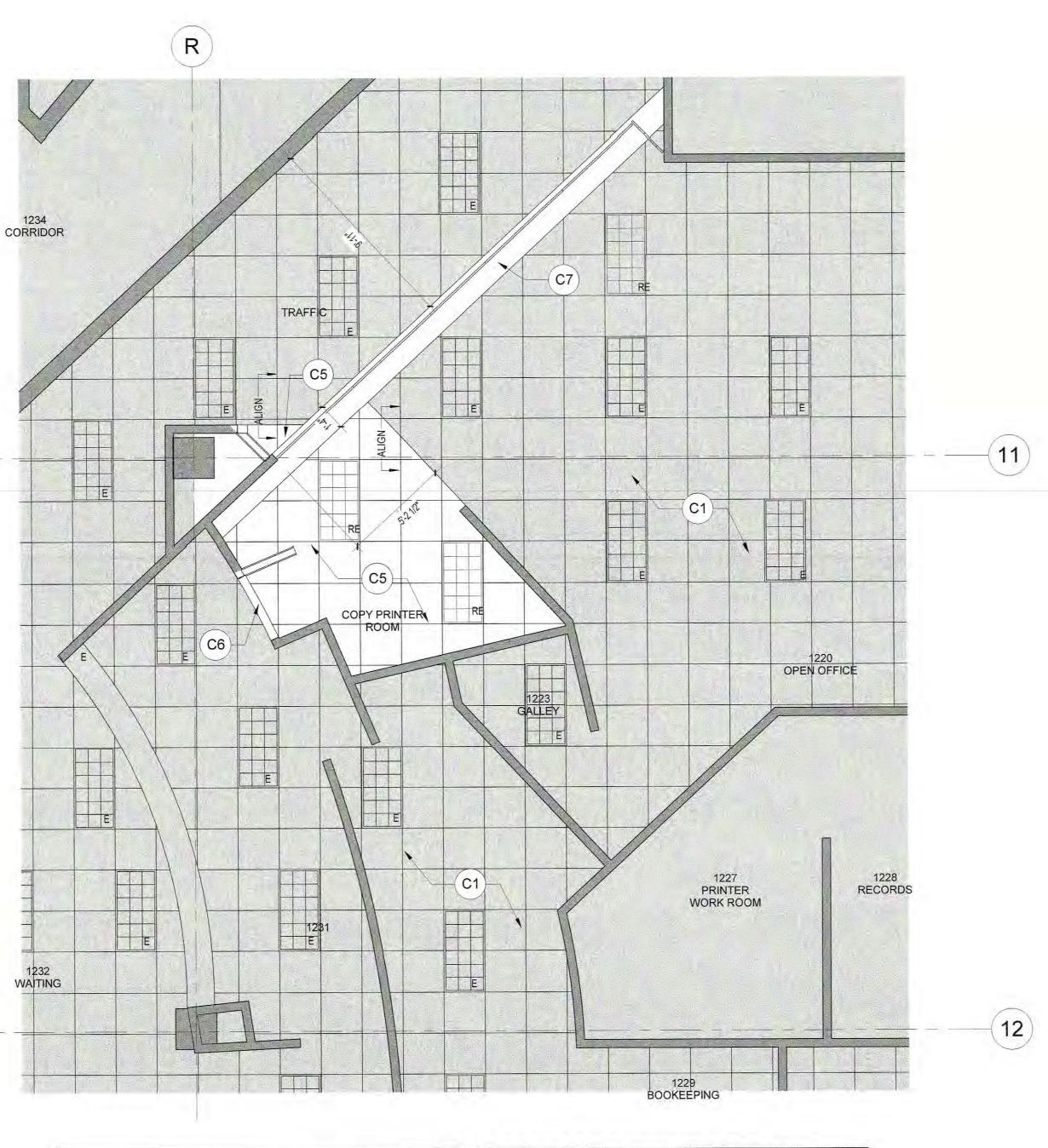


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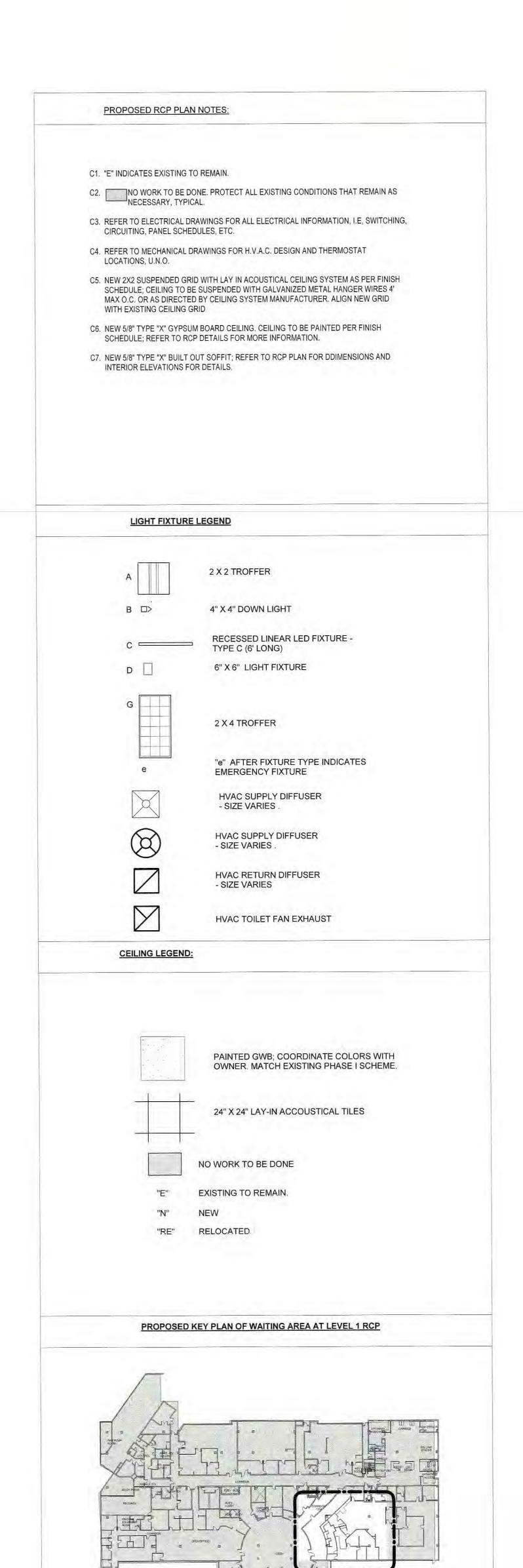




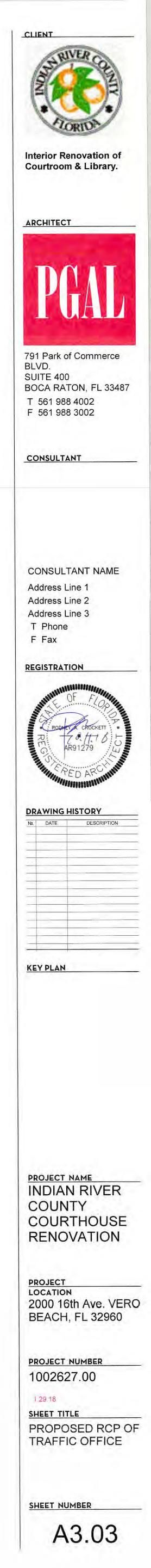
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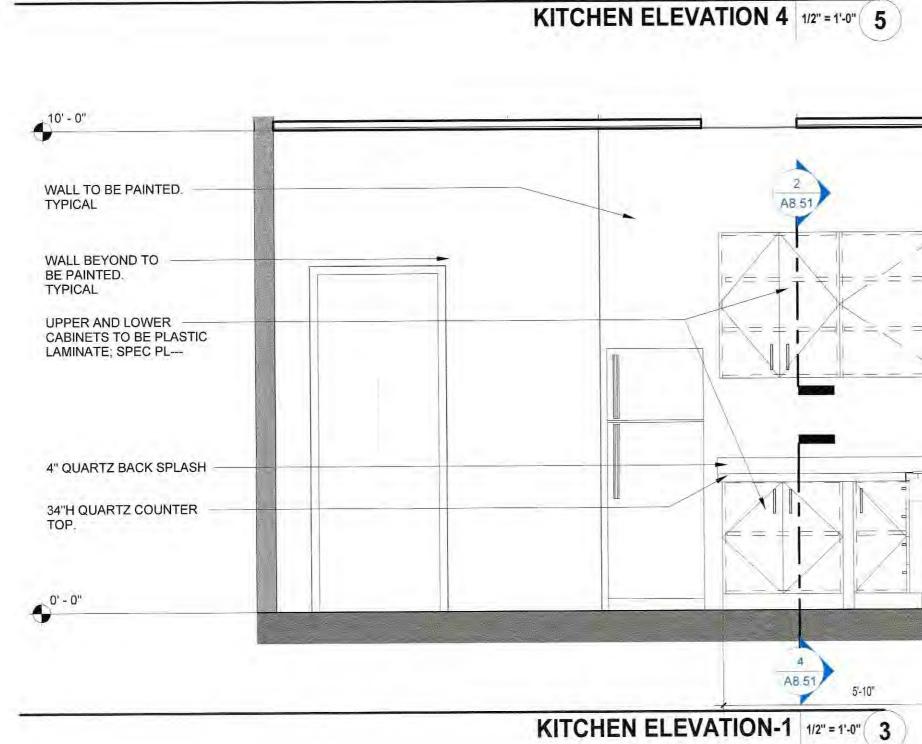


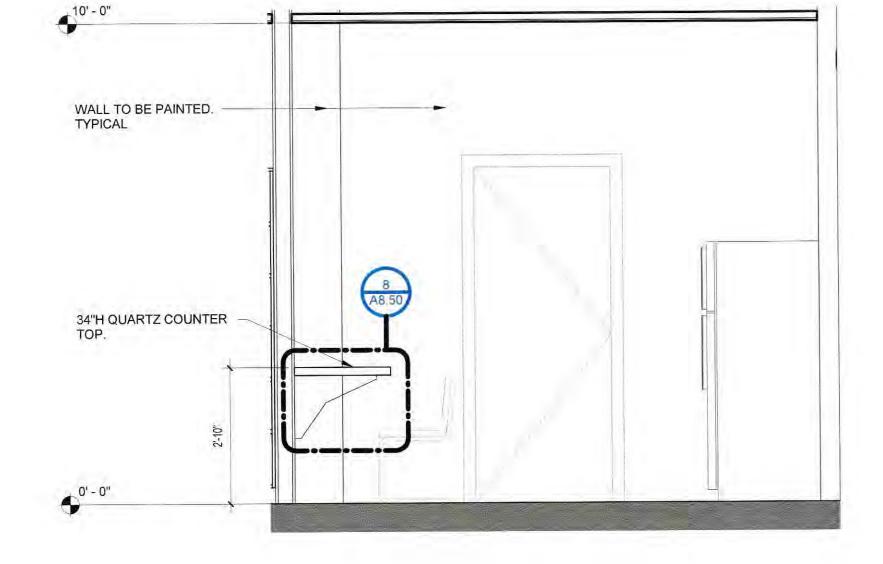
PROPOSED RCP OF TRAFFIC OFFICE 1/4" = 1'-0" 1



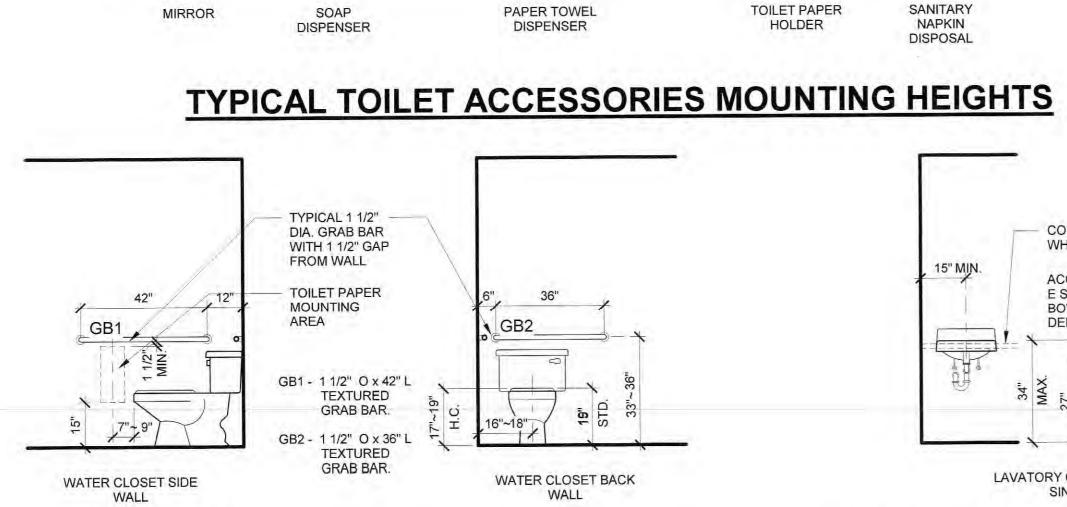
A3.03







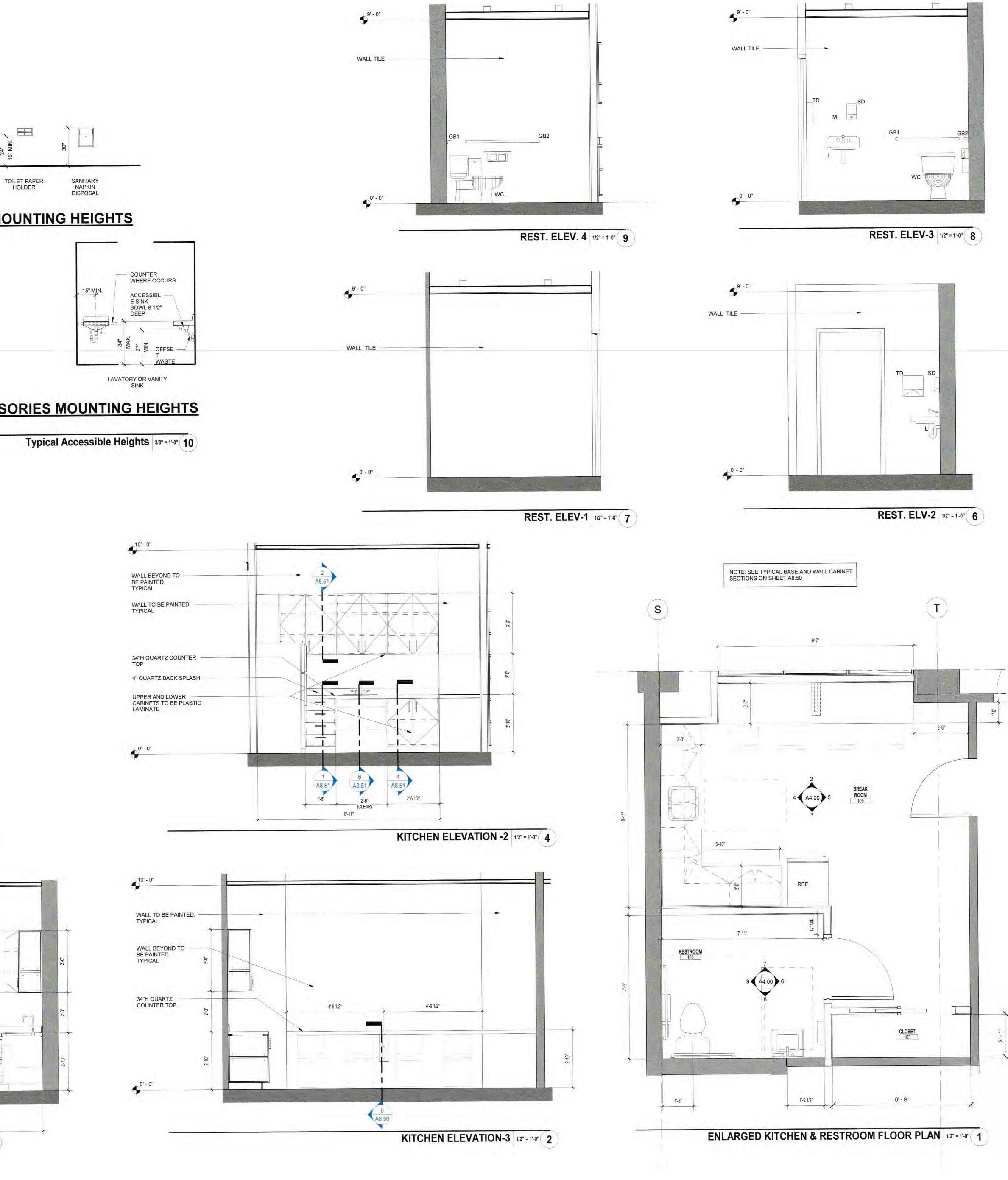
TYPICAL PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS

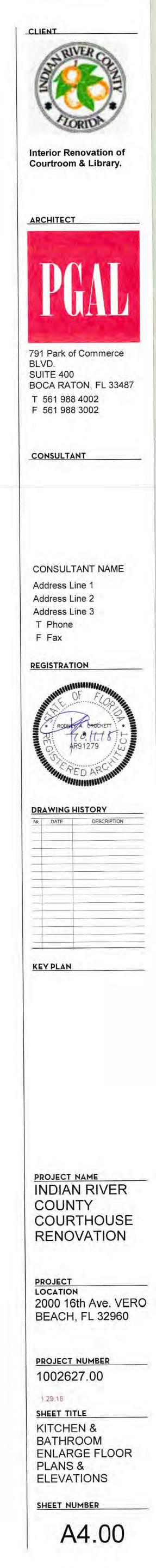


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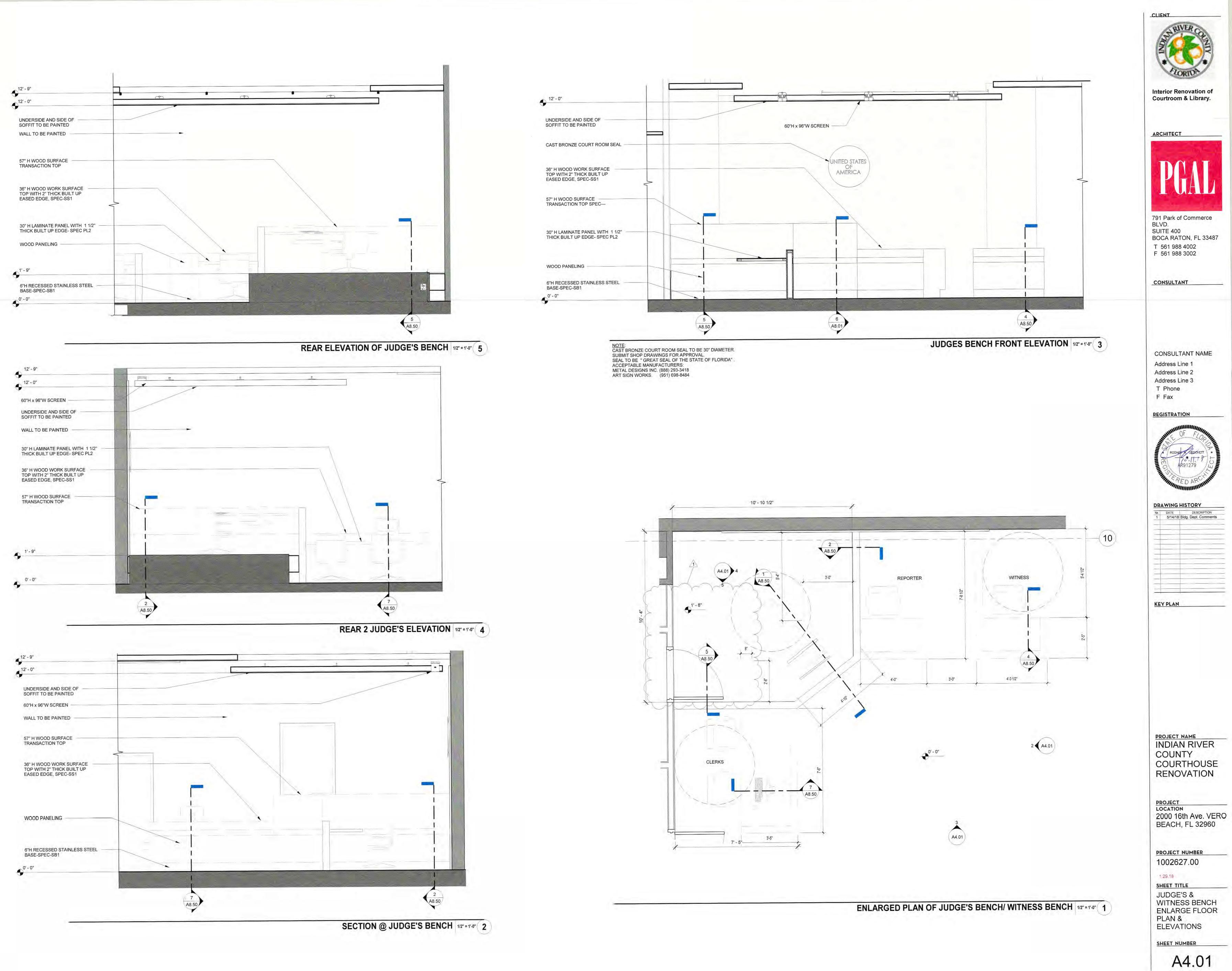
MIRROR



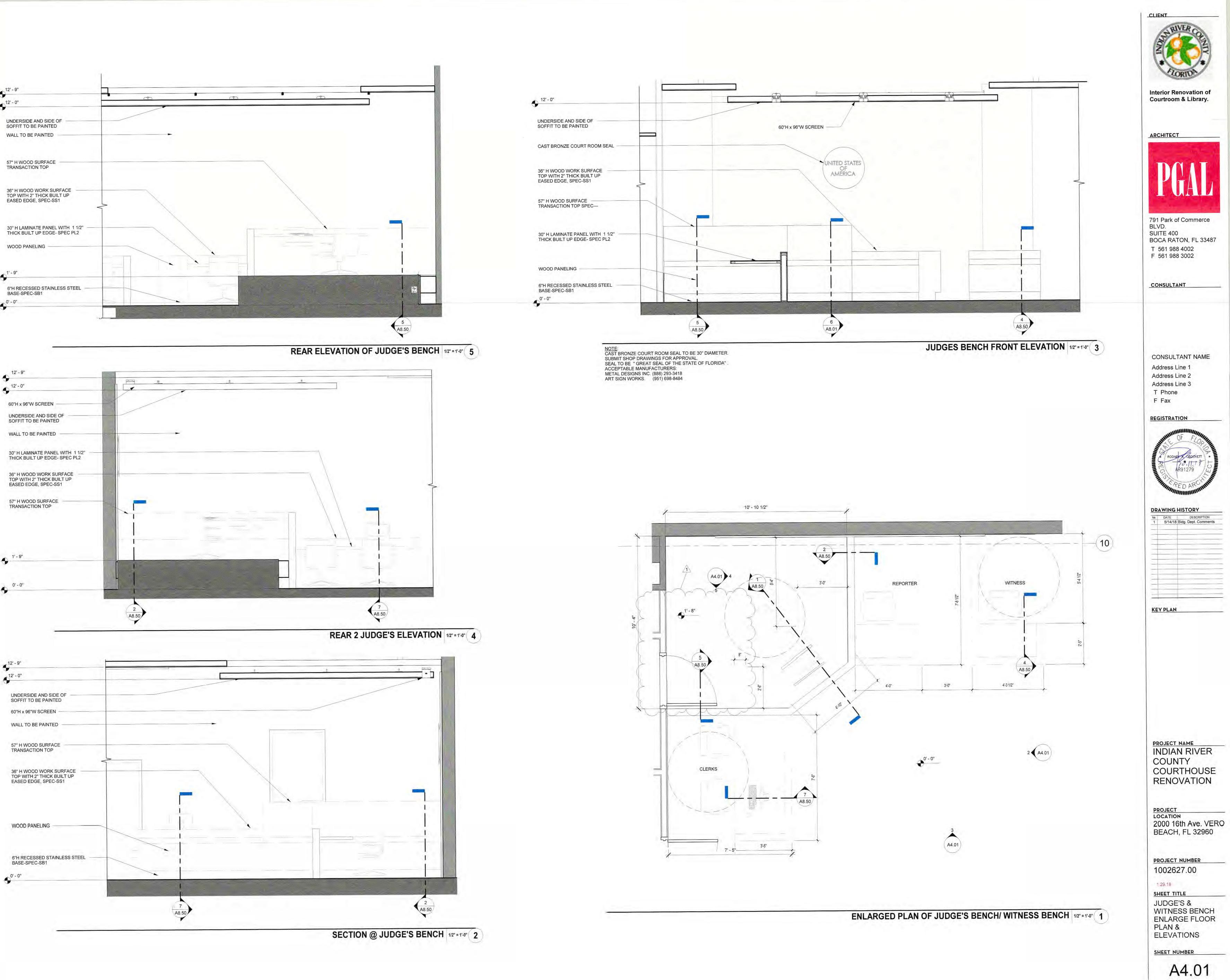


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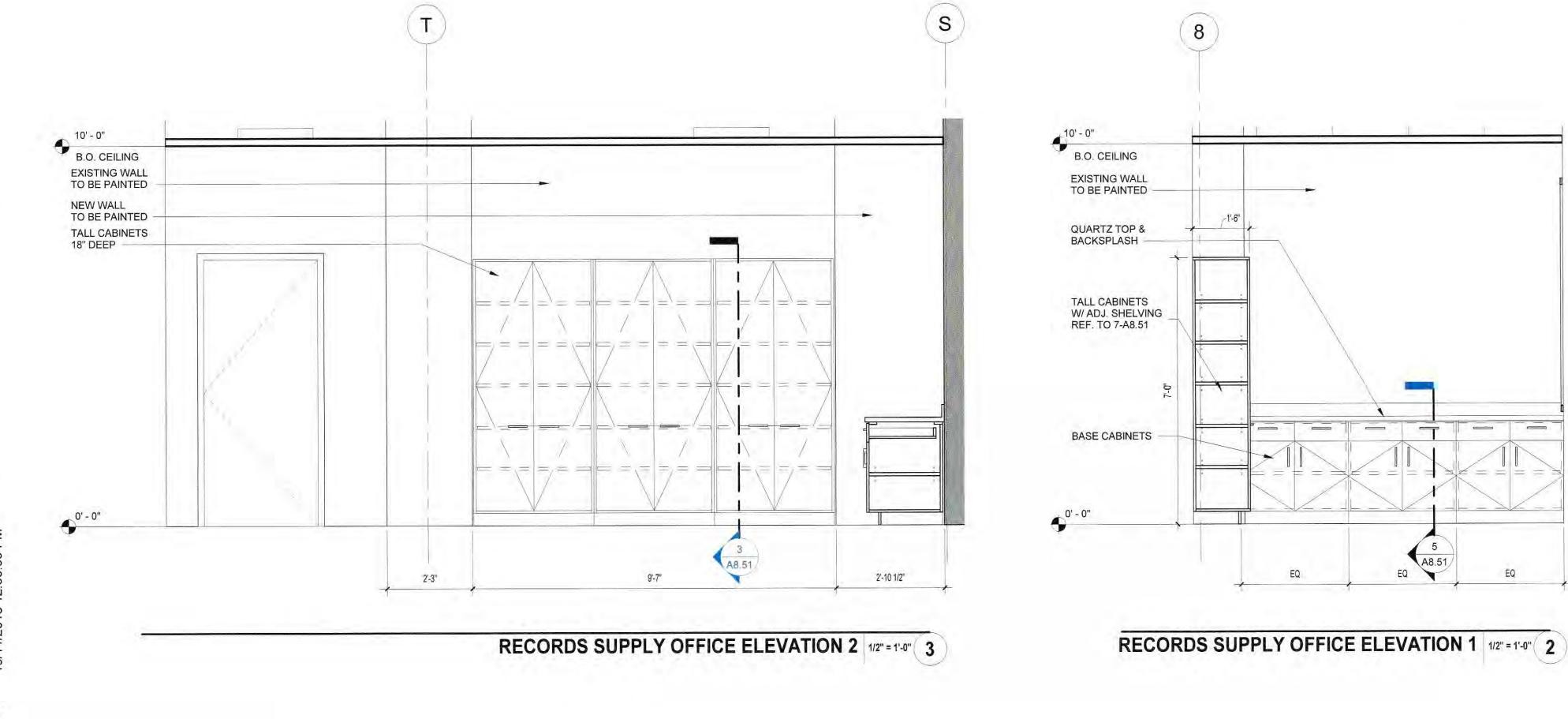
12' - 9"			
12' - 0"			
UNDERSIDE AND SIDE OF SOFFIT TO BE PAINTED			
WALL TO BE PAINTED			
57" H WOOD SURFACE			
TRANSACTION TOP			
36" H WOOD WORK SURFACE TOP WITH 2" THICK BUILT UP EASED EDGE, SPEC-SS1	-		
30" H LAMINATE PANEL WITH 1 1/2" THICK BUILT UP EDGE- SPEC PL2			
WOOD PANELING			•
1' - 9"	7		
6"H RECESSED STAINLESS STEEL			1
0' - 0"			



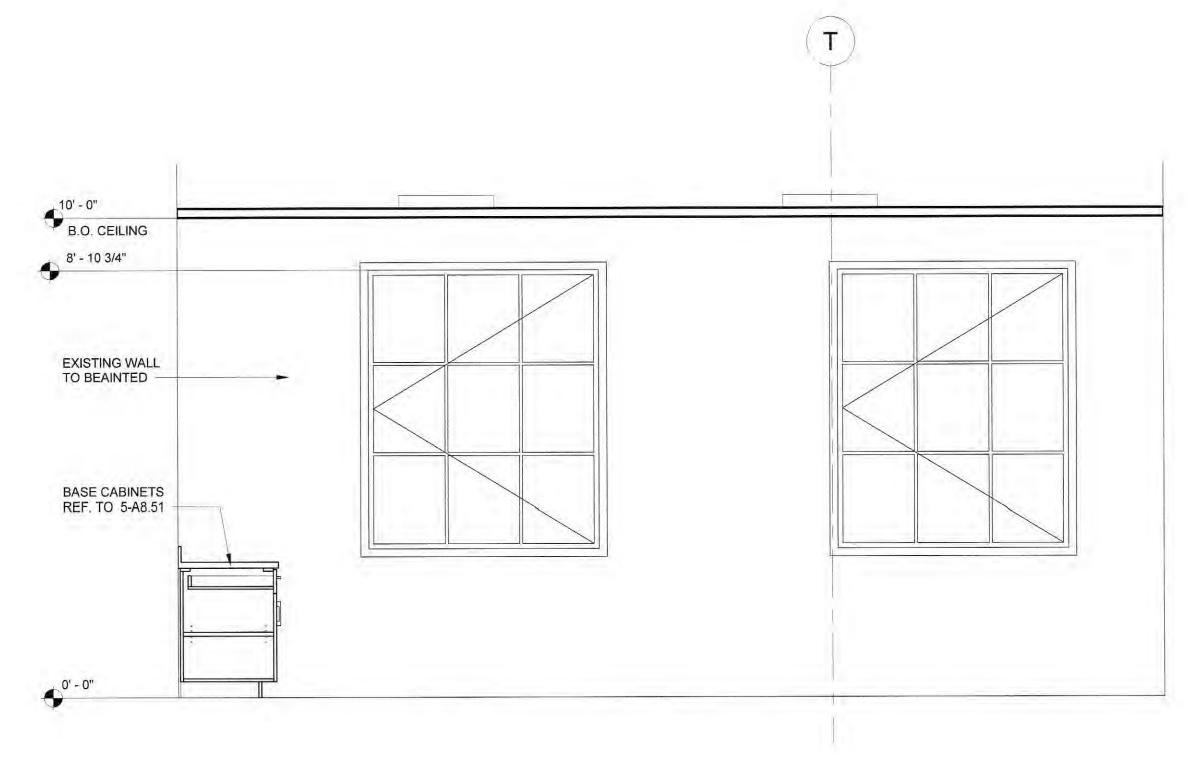
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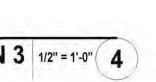




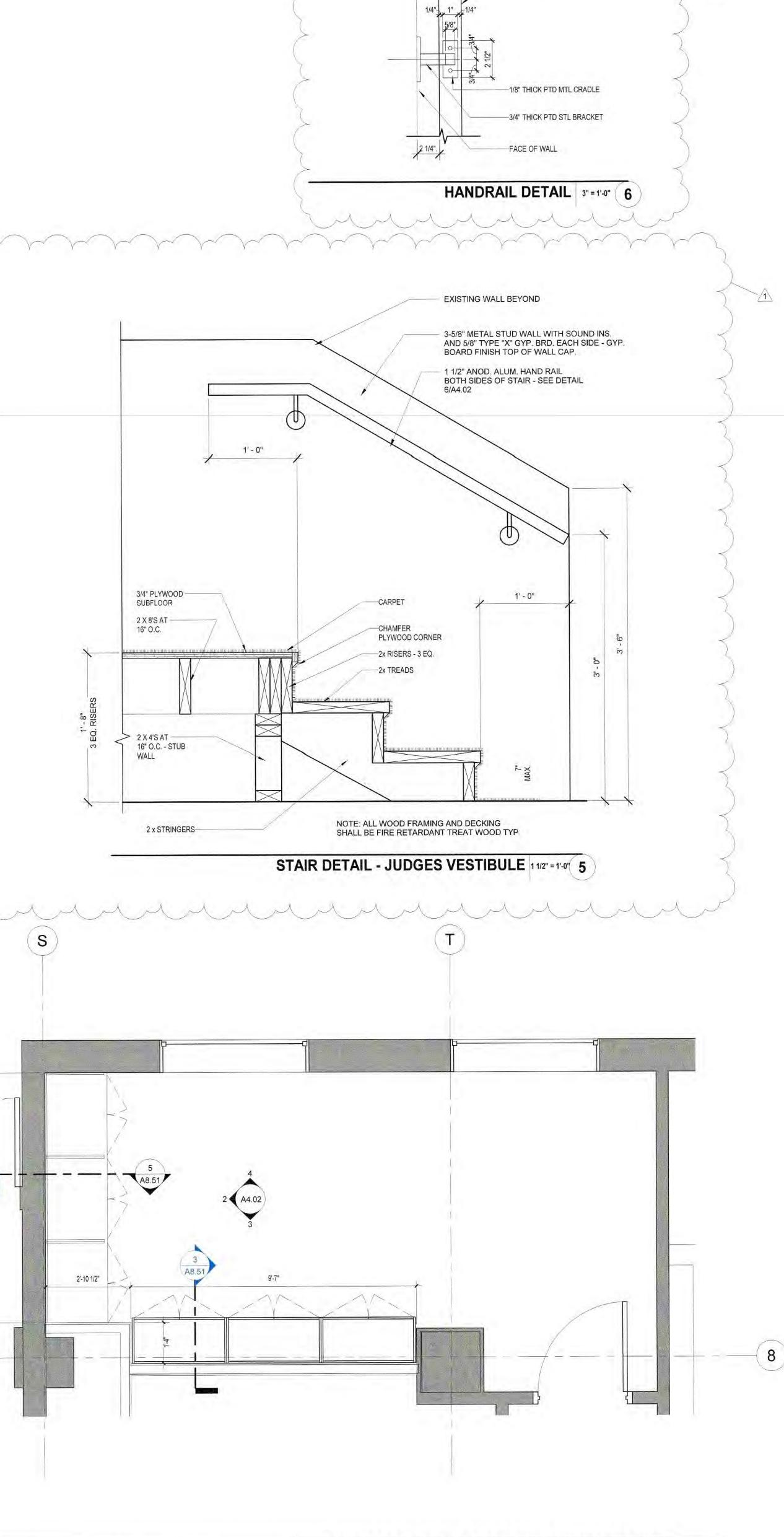


RECORDS SUPPLY OFFICE ELEVATION 3 1/2" = 1'-0" 4





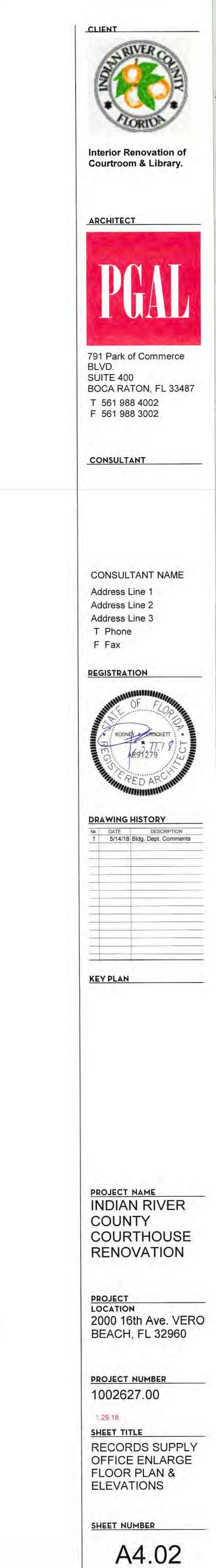




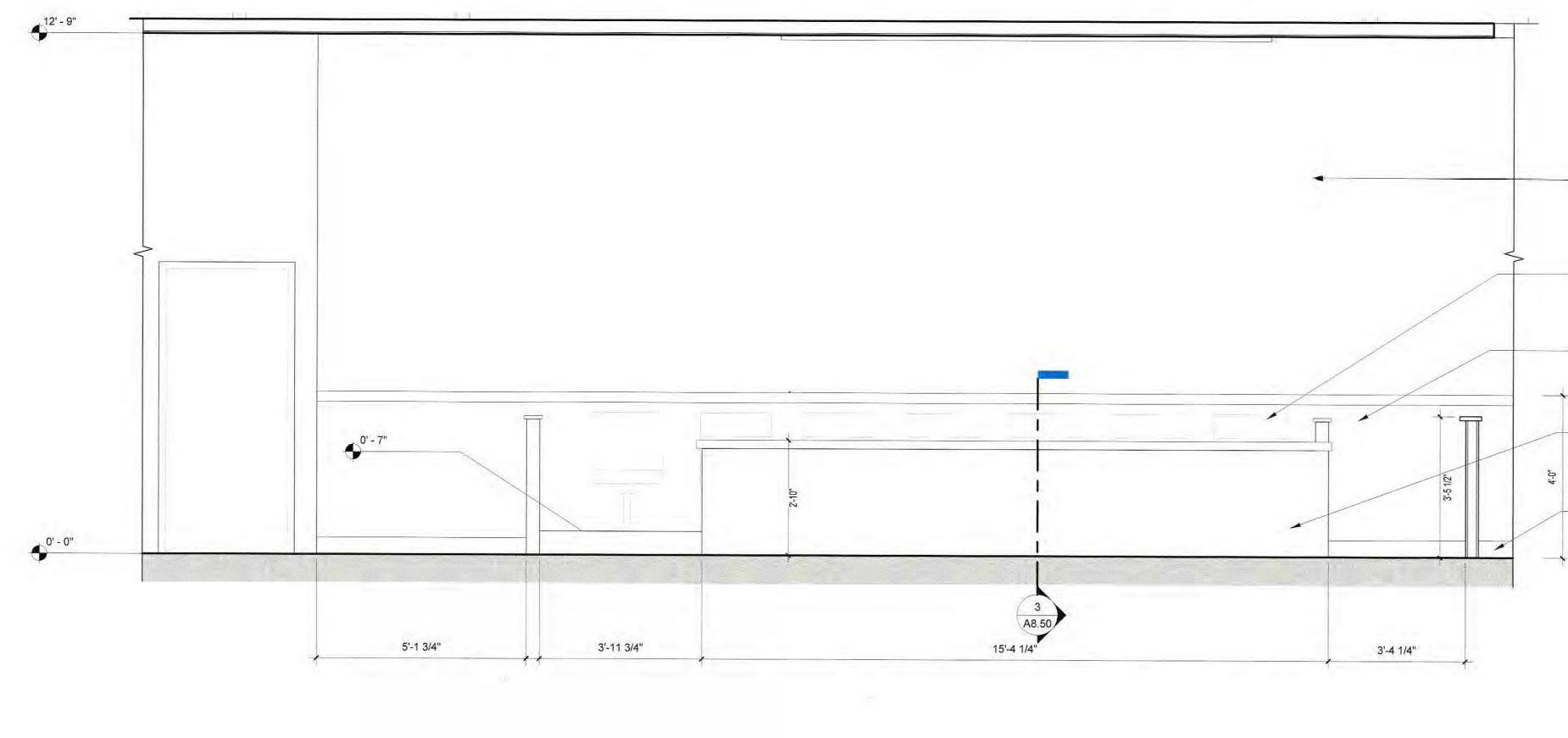
V~ V~

1 1/2" DIA. HANDRAIL

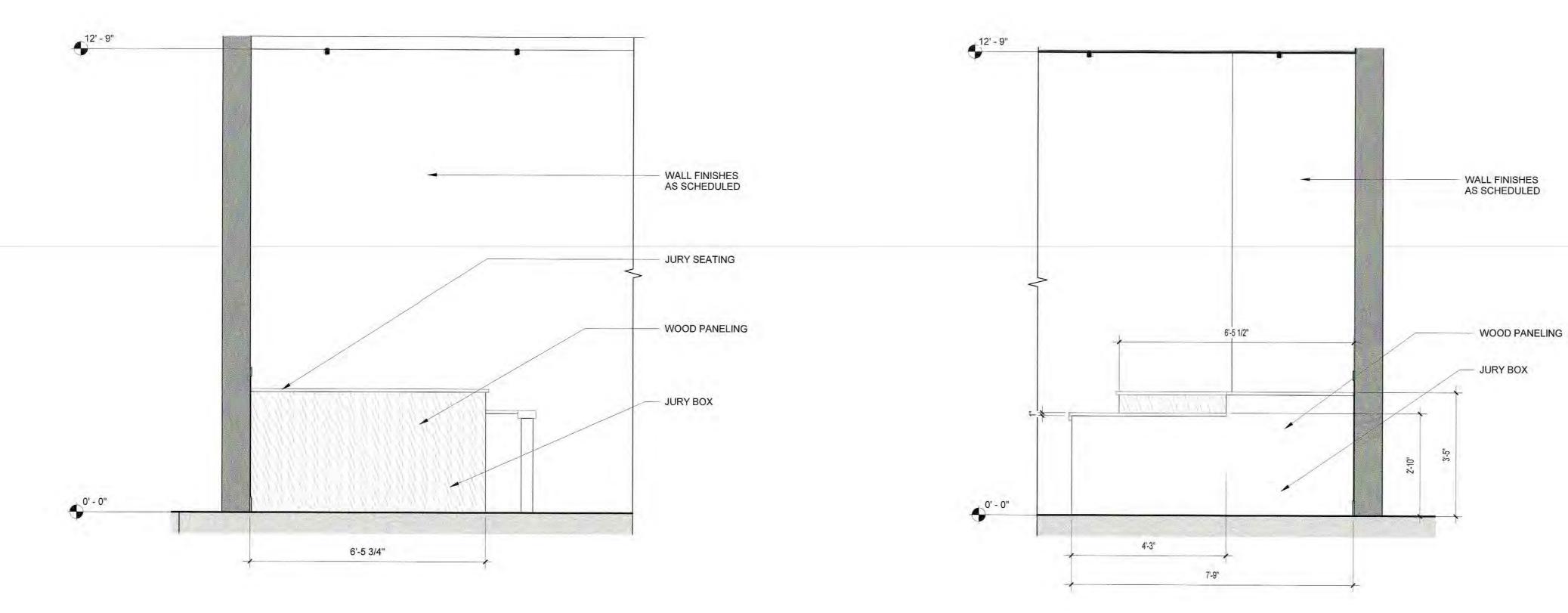
V~ V~



BIAT



JURY BENCH SIDE ELEVATION 1/2" = 1'-0" 3



JURY BENCH ELEVATION 1/2" = 1'-0" 1

JURY BENCH SIDE ELEV. 1/2" = 1'-0" 2

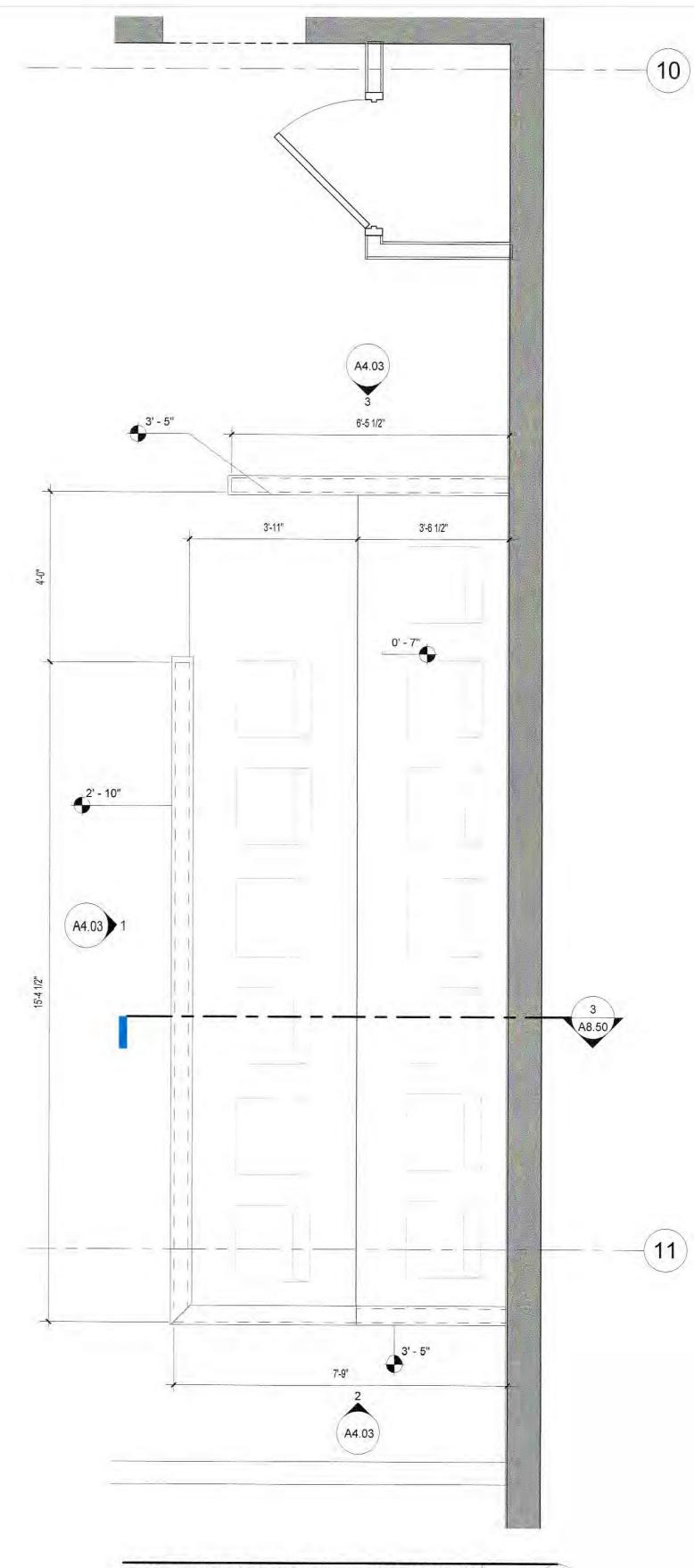
- WALL FINISHES AS SCHEDULED

JURY SEATING

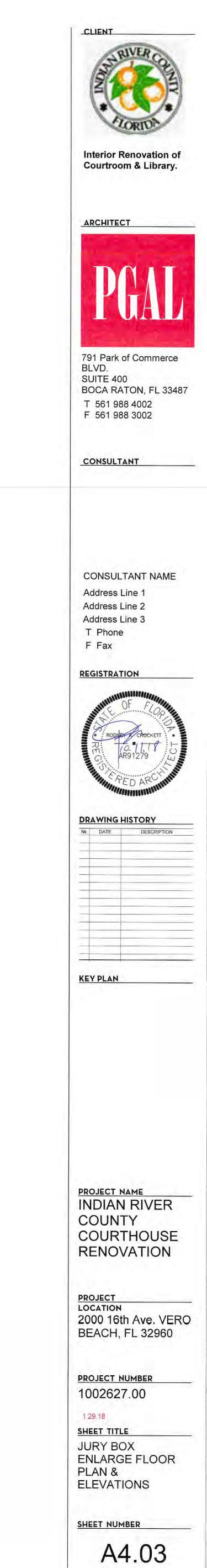
- WOOD PANELING

JURY BOX

- WOOD TRIM



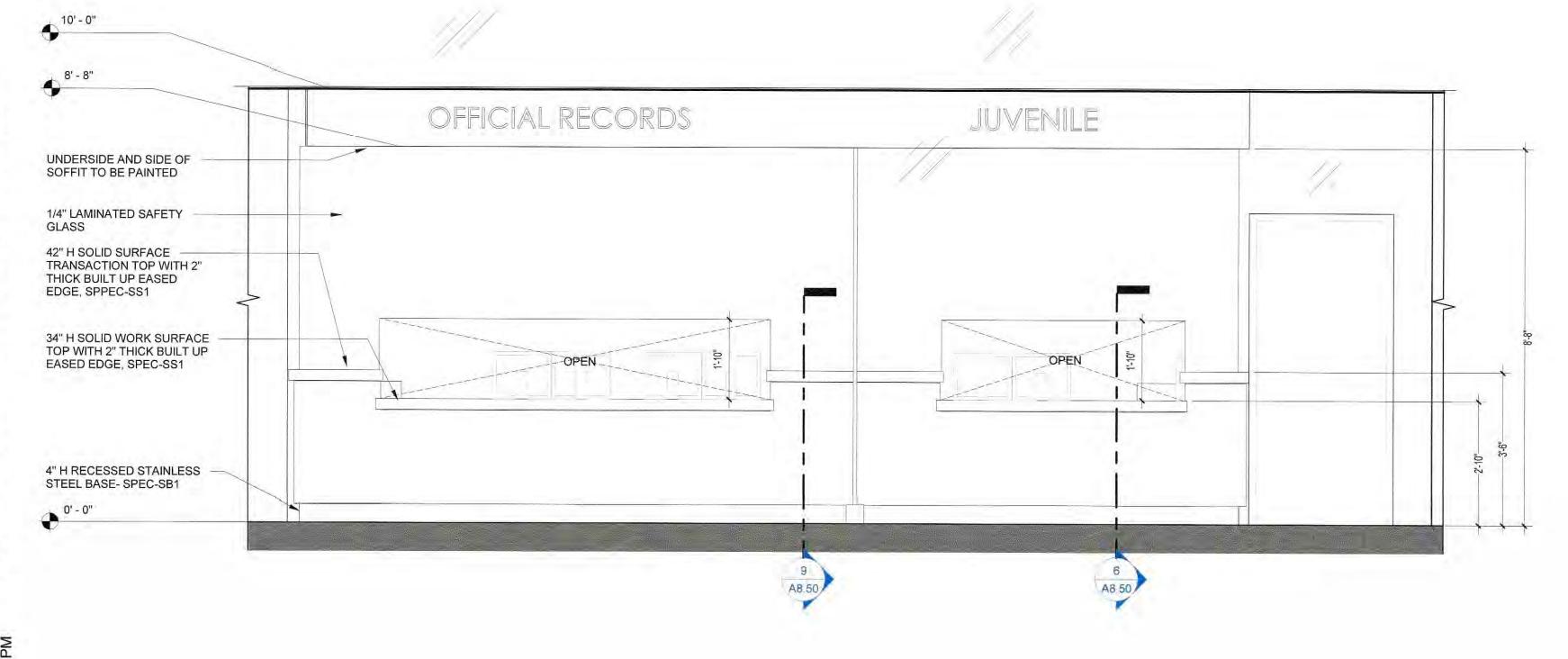
ENLARGED PLAN OF JURY BENCH 1/2" = 1'-0" (4)

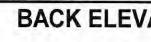


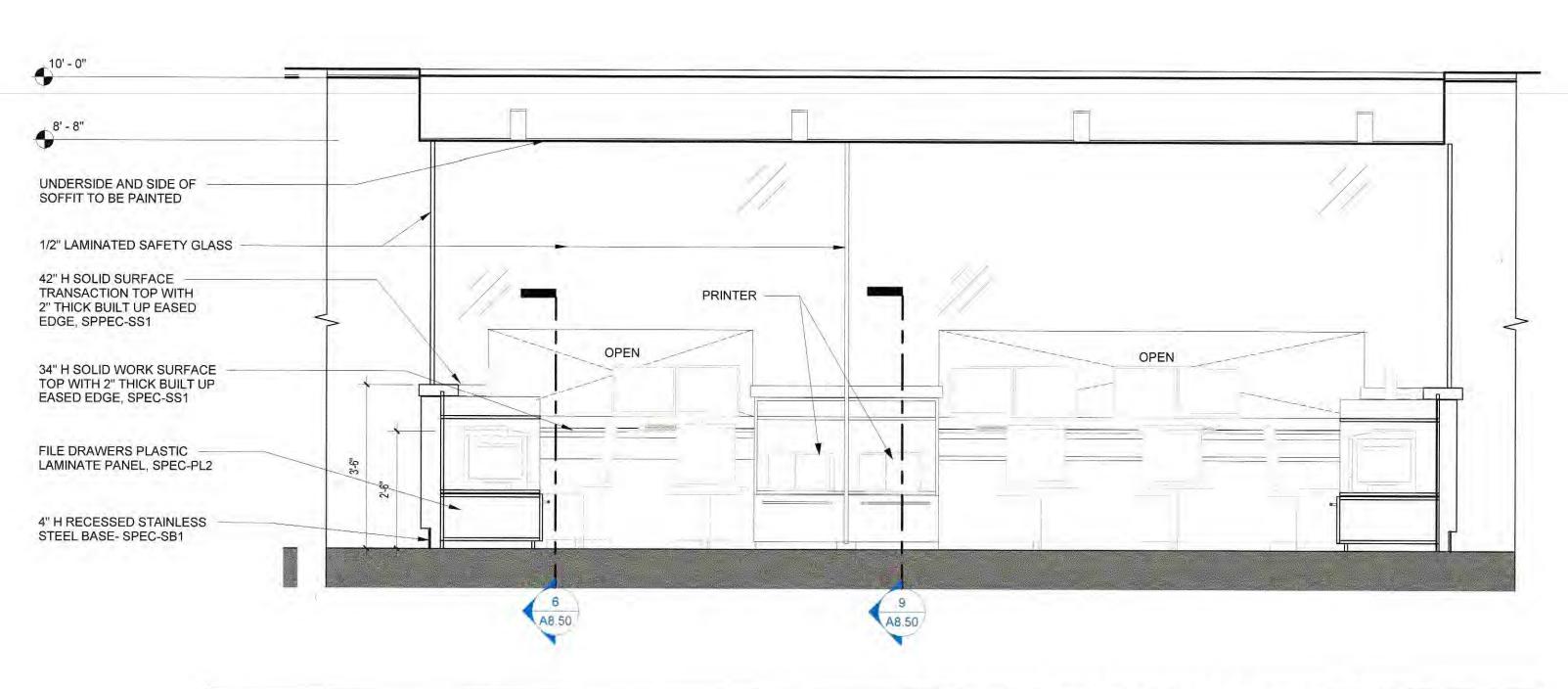
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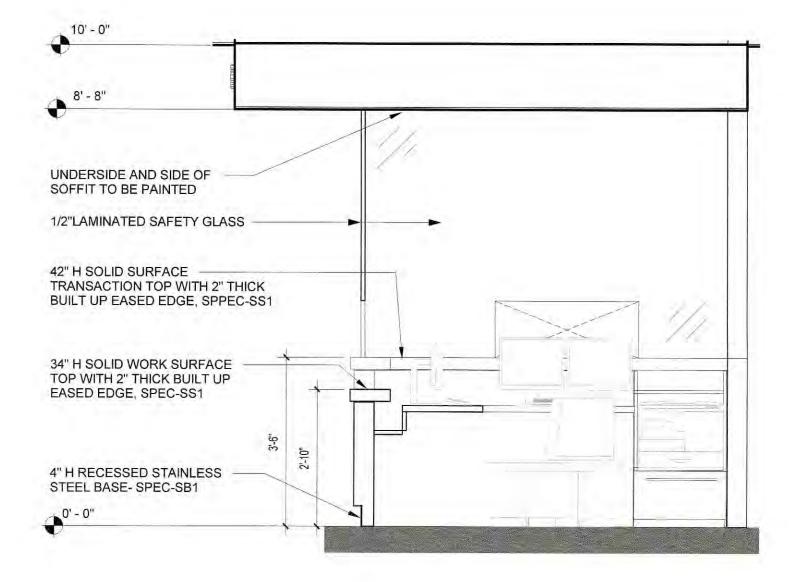


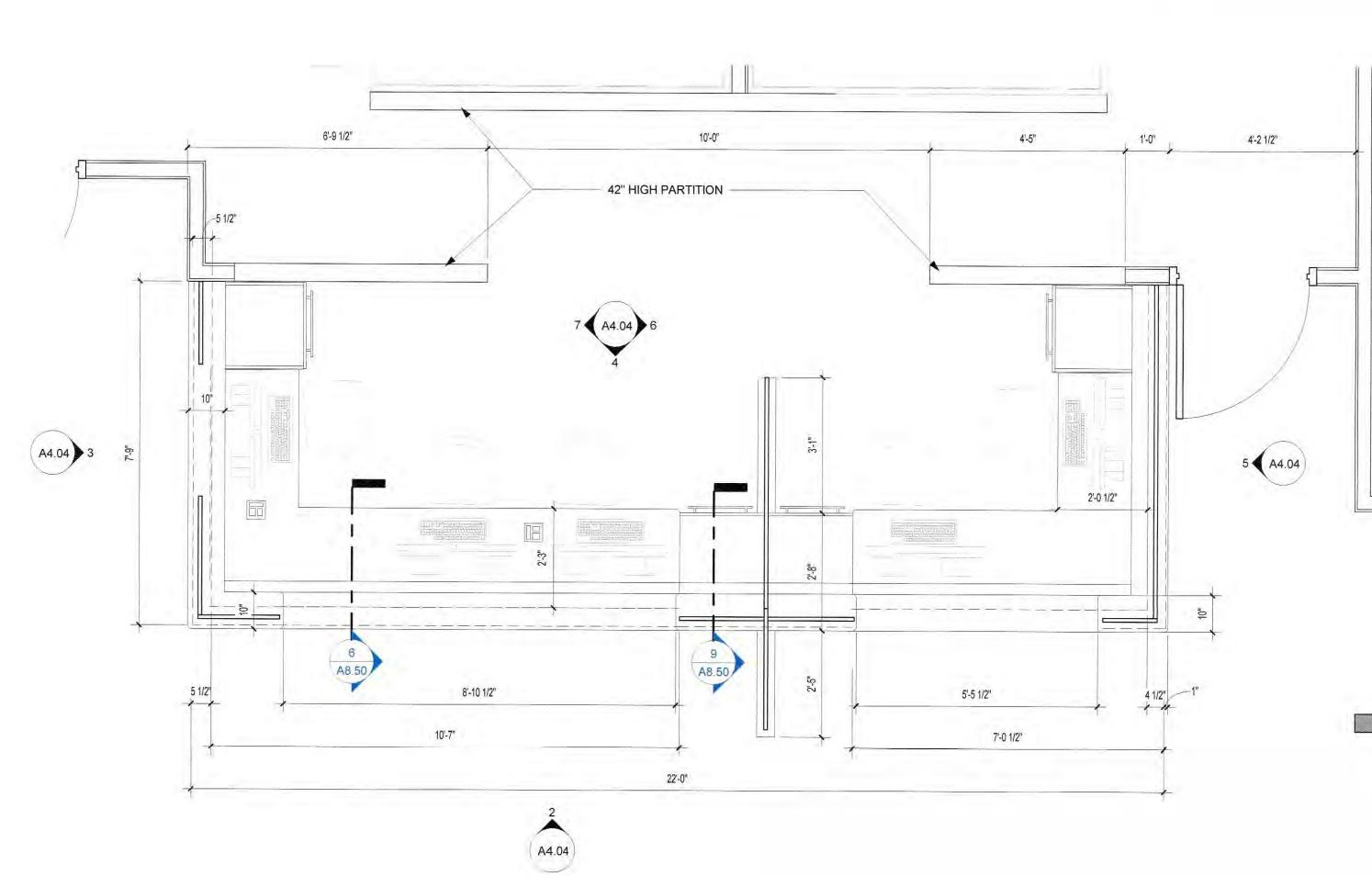




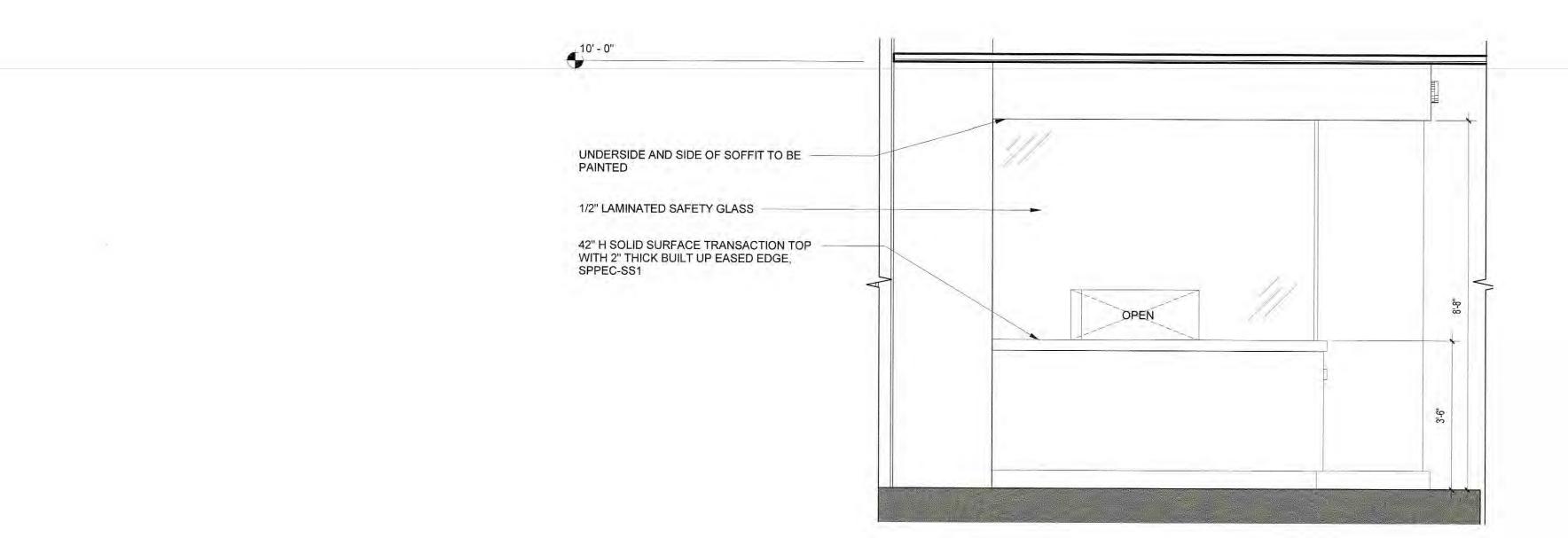


INTERIOR SIDE ELEVATION @ JUVENILE OFFICE 1/2" = 1'-0" 7





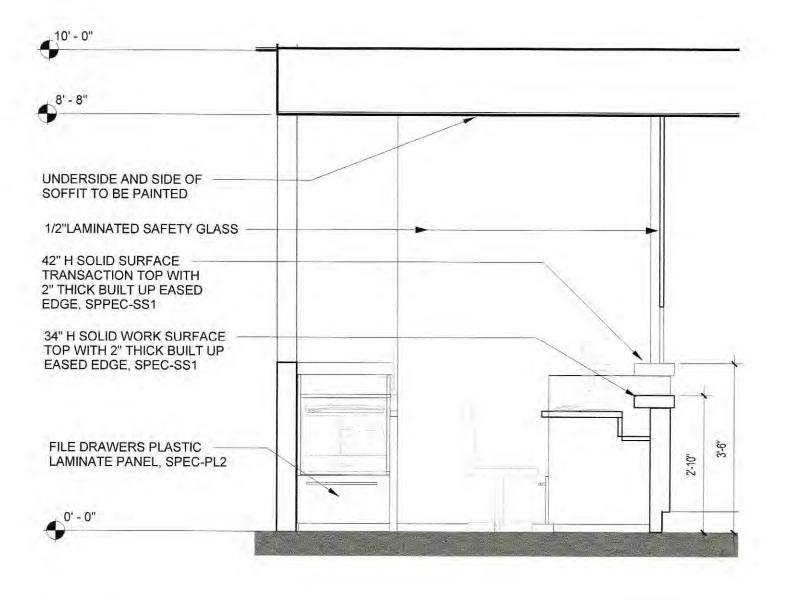
BACK ELEVATION OF DESK AT JUVENILE OFFICE. 1/2" = 1'-0" 4



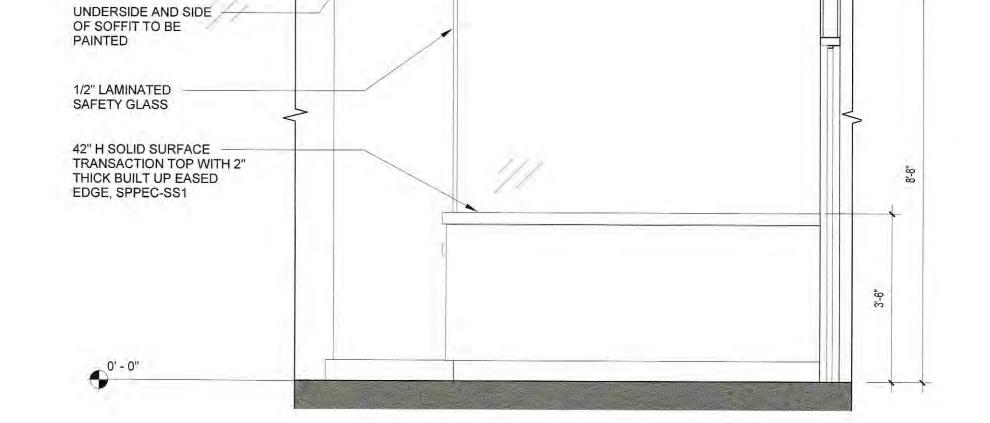
10' - 0"

6^{8' - 8"}

INTERIOR SIDE ELEVATION @. JUVENILE OFFICE 1/2" = 1'-0" 6

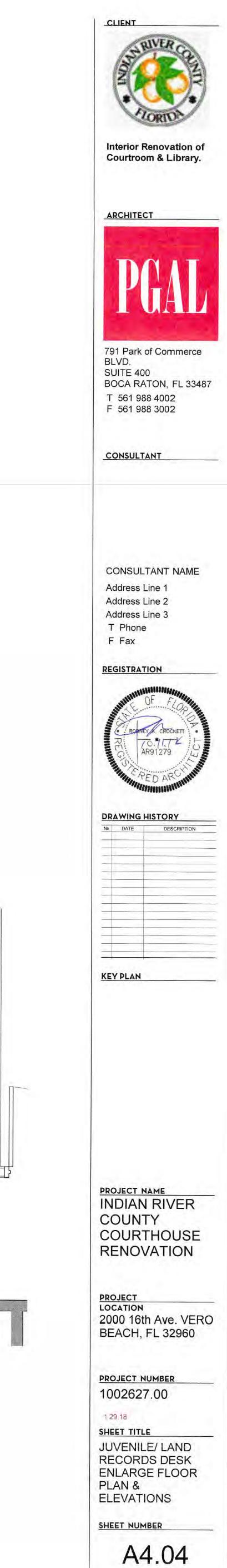




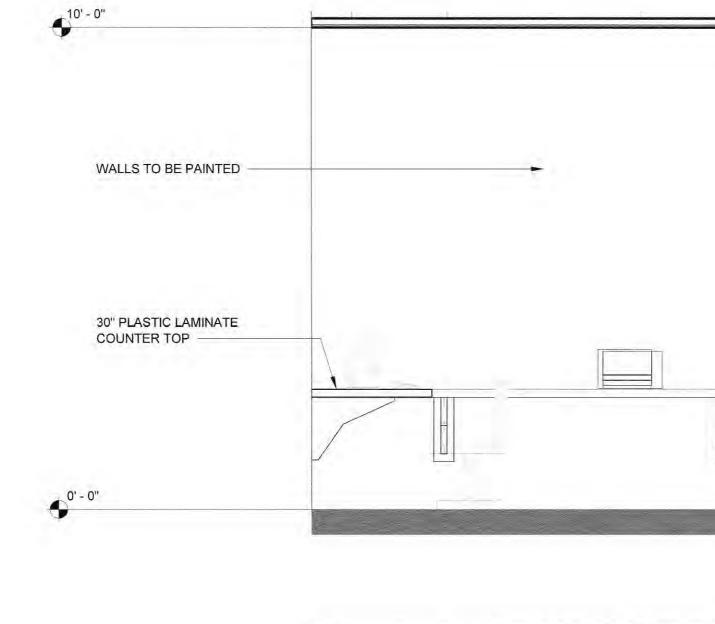


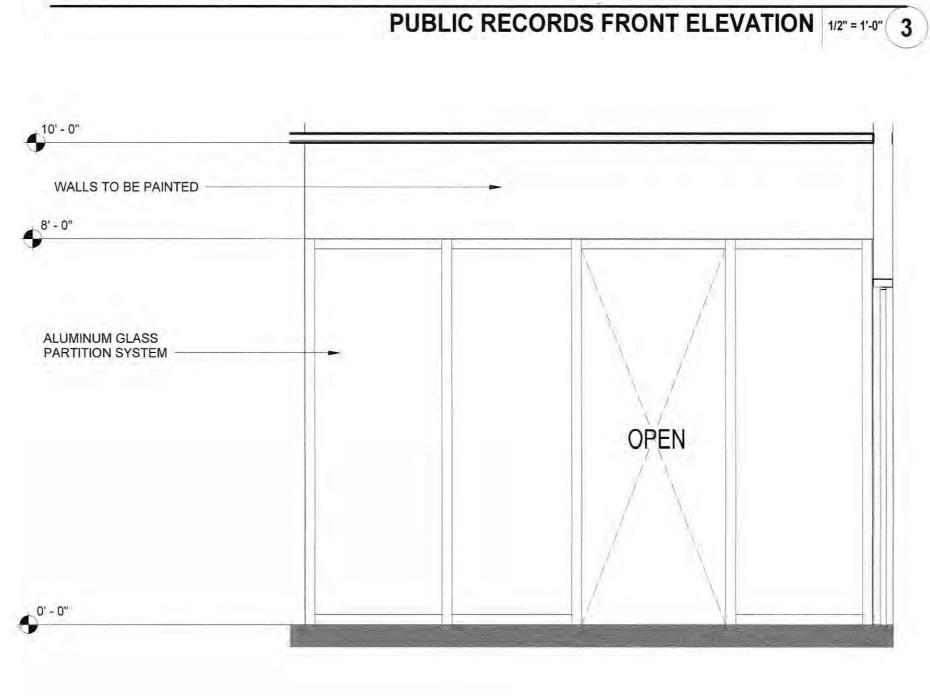
SIDE ELVATION OF DESK AT JUV. OFFICE 1/2" = 1'-0" 5

SIDE ELAVTION OF DESK AT JUVENILE'S OFFICE 1/2" = 1'-0" 3

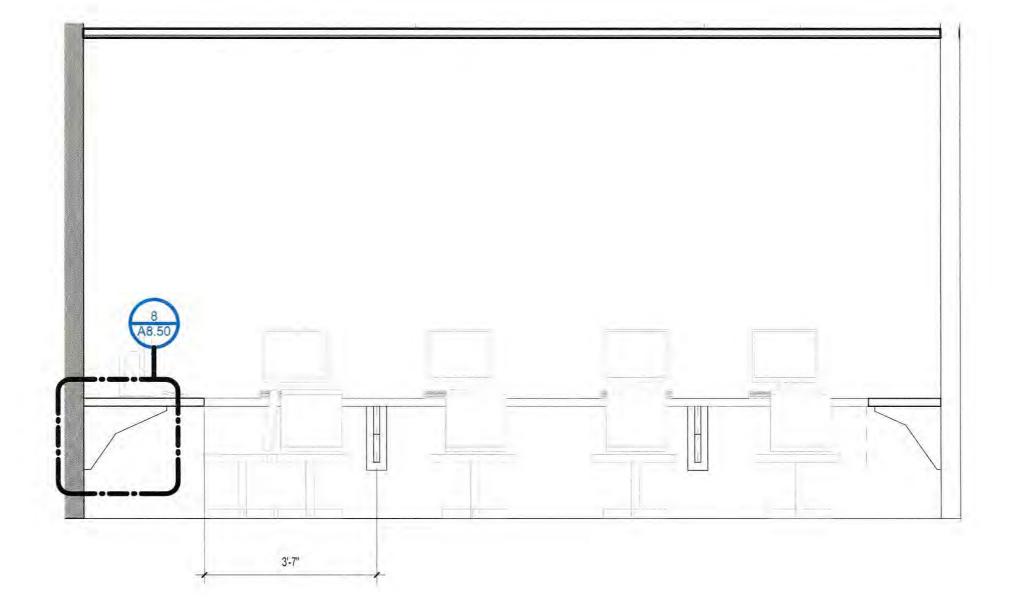


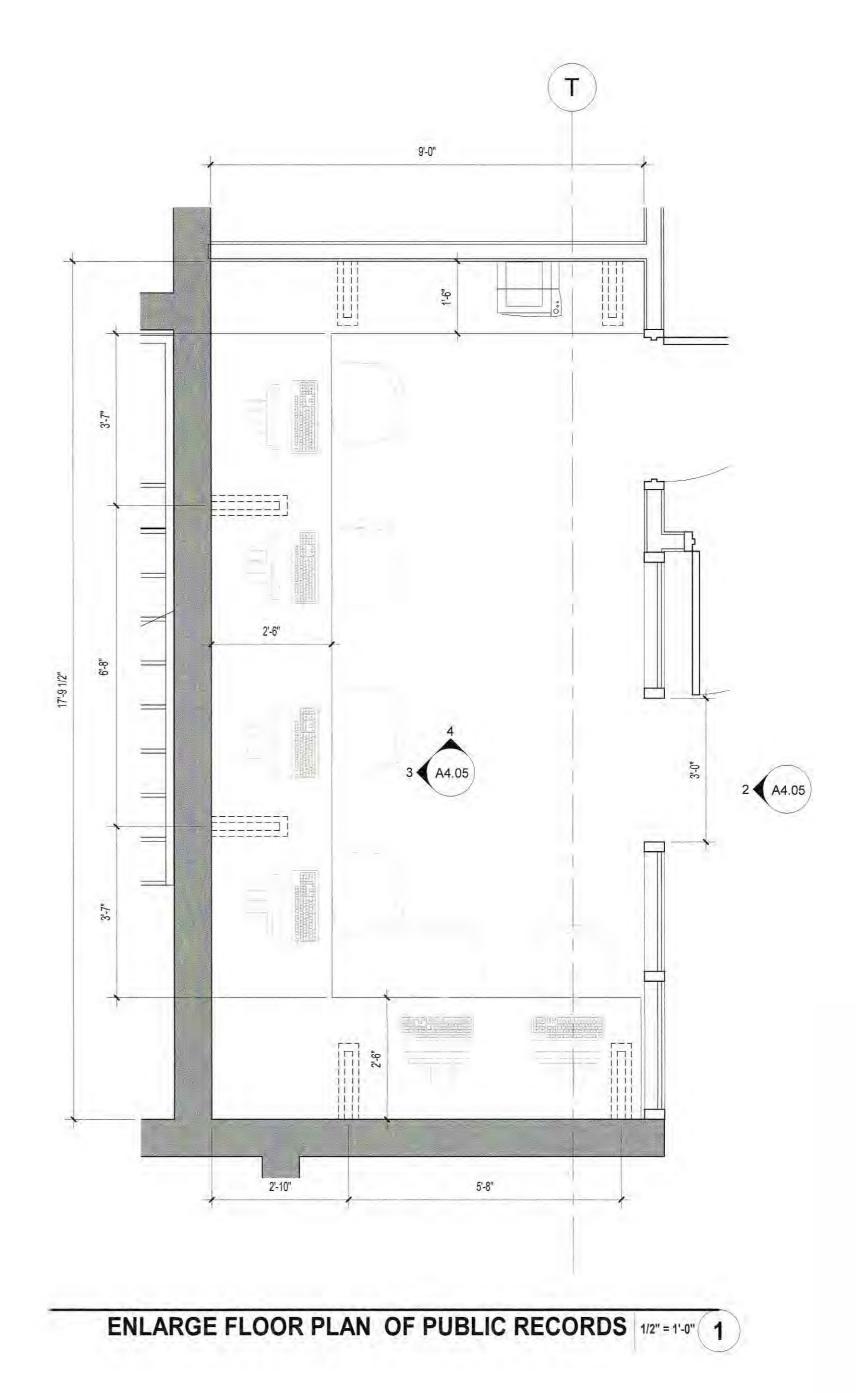
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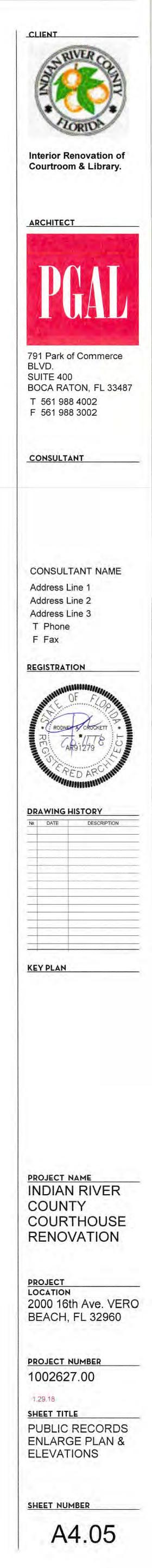


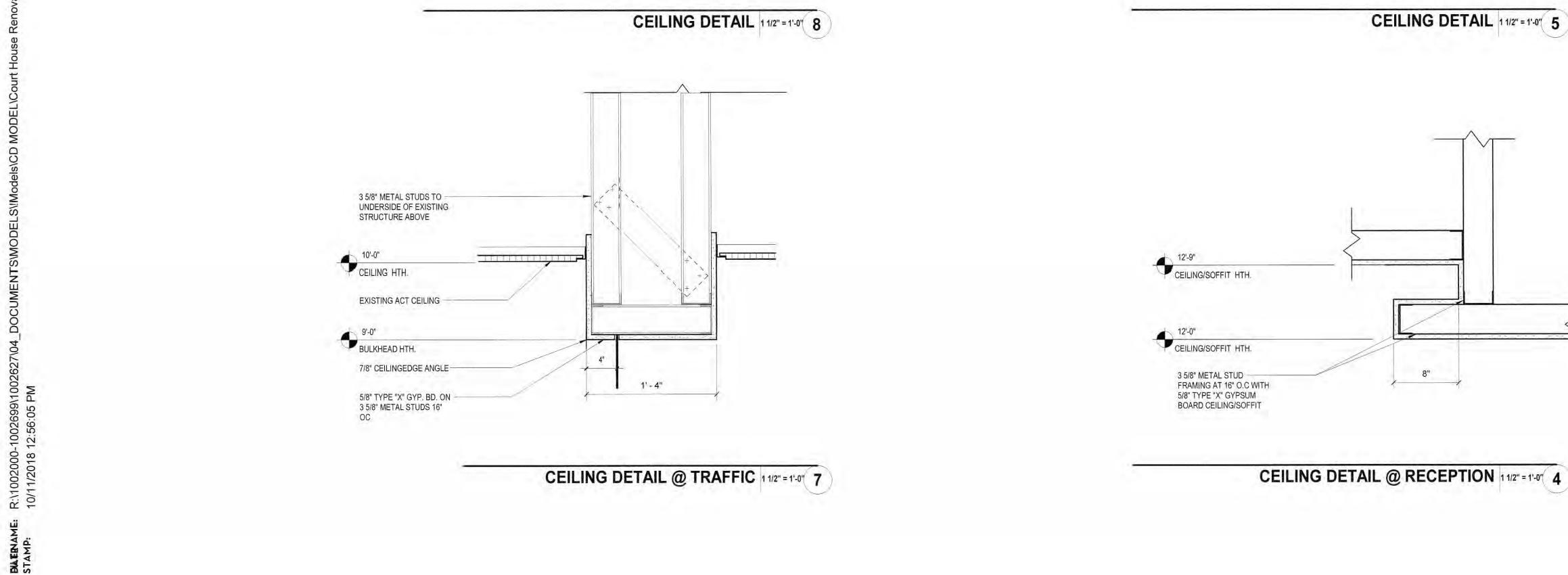










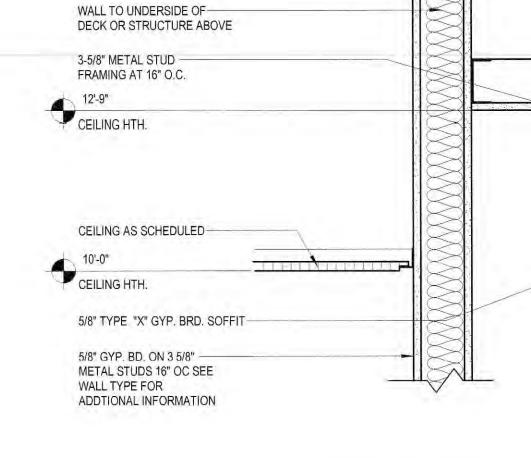




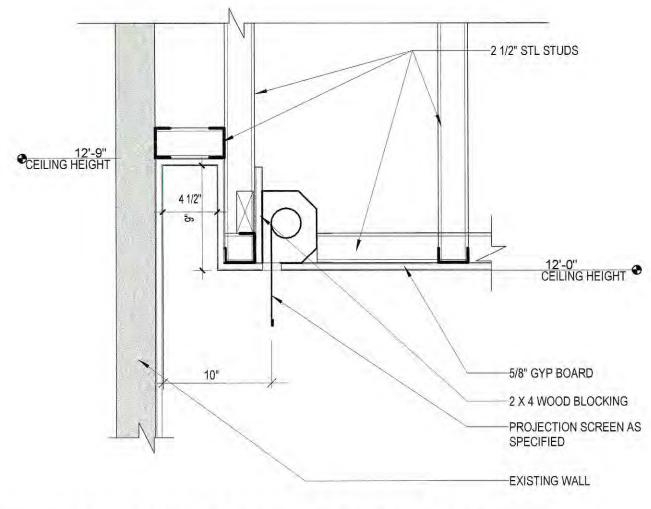
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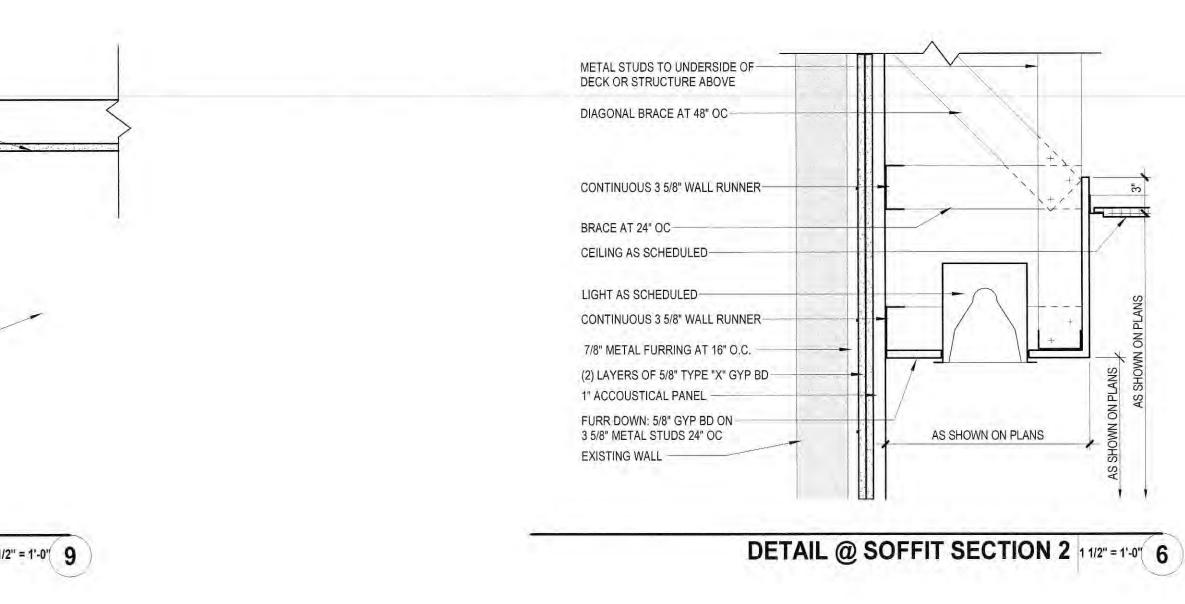
CEILING DETAIL 1 1/2" = 1'-0" 9

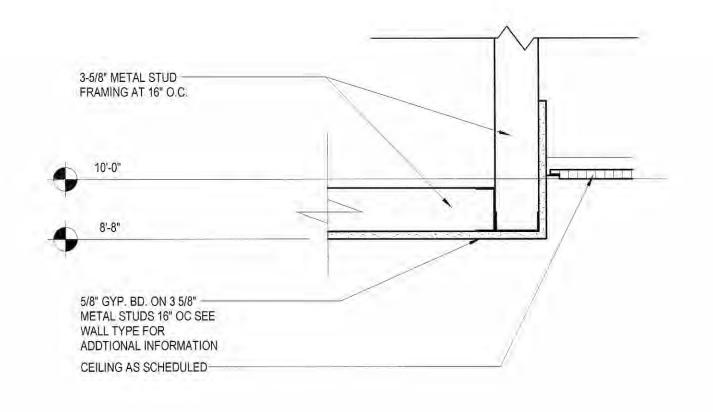


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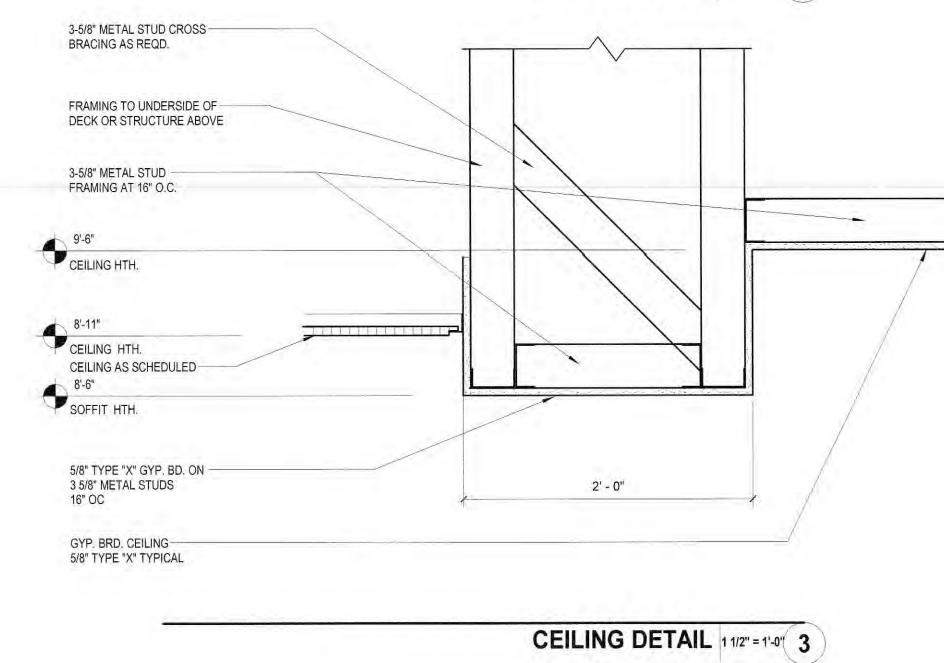
PROJECTION SCREEN SECTION DETAIL 11/2" = 1'-0" (11)

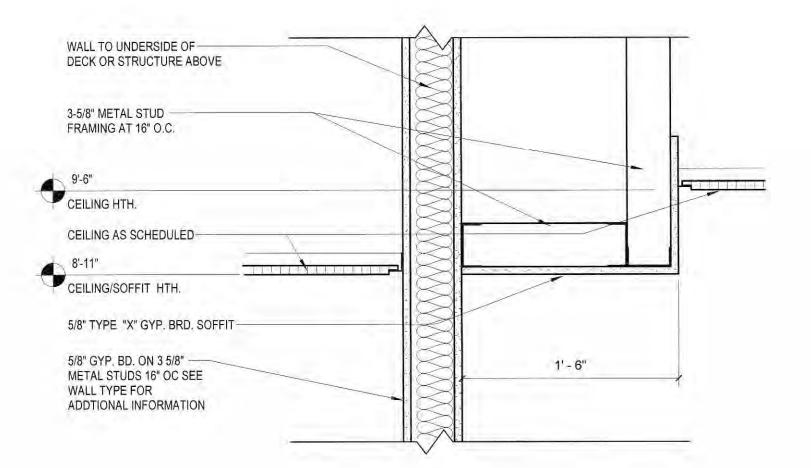




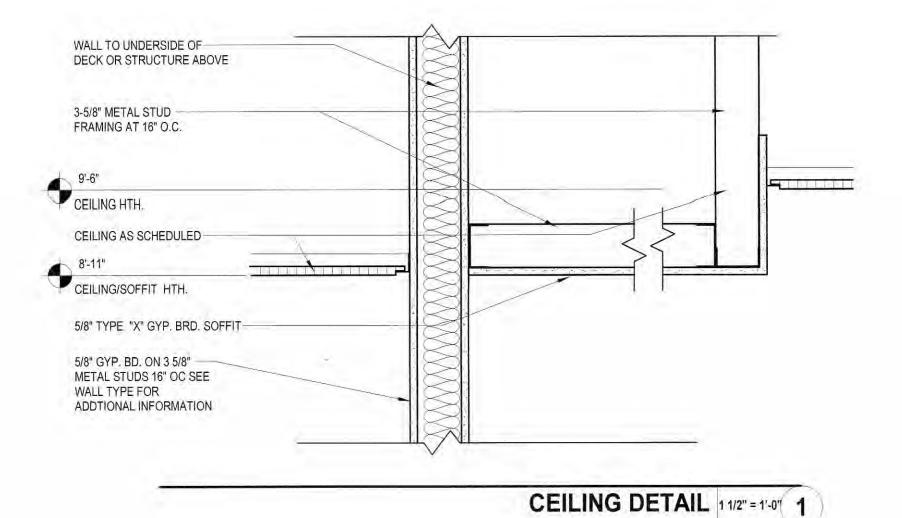
CEILING AS SCHEDULED-EXISTING WALL -

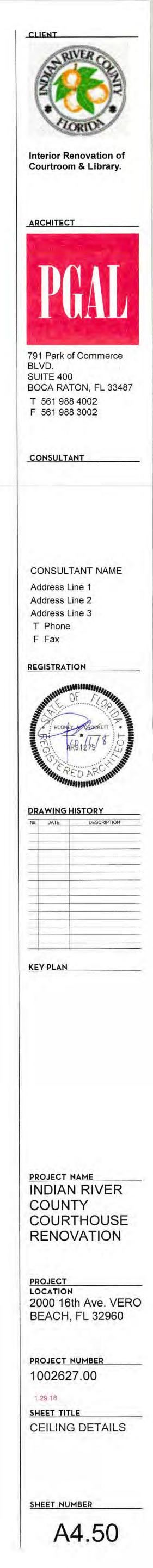
CEILING DETAIL 11/2" = 1'-0" 10



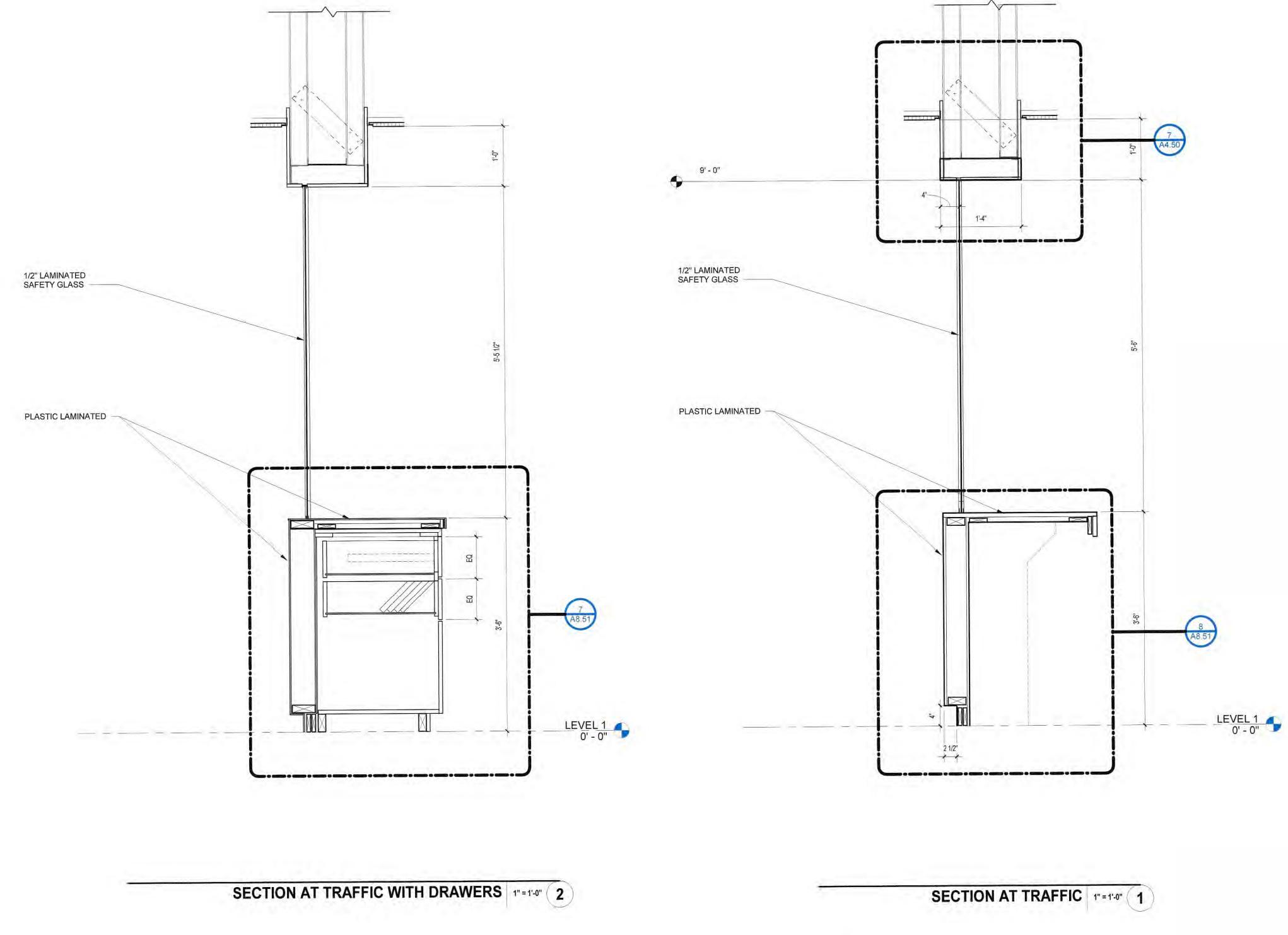


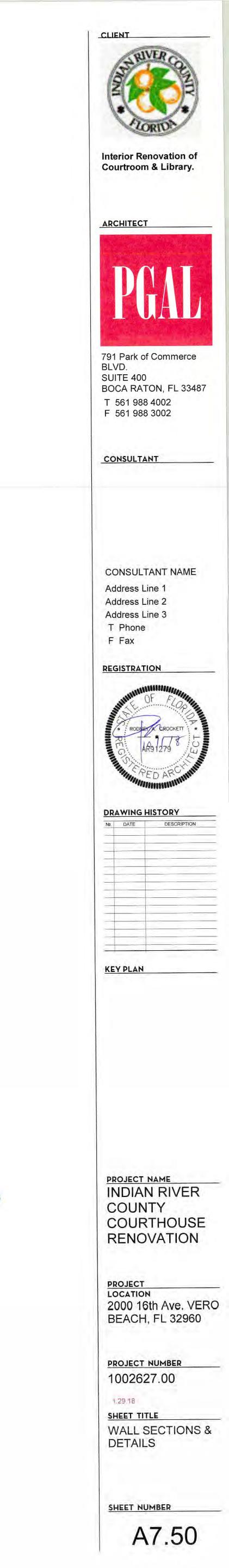
CEILING DETAIL 11/2" = 1'-0" 2

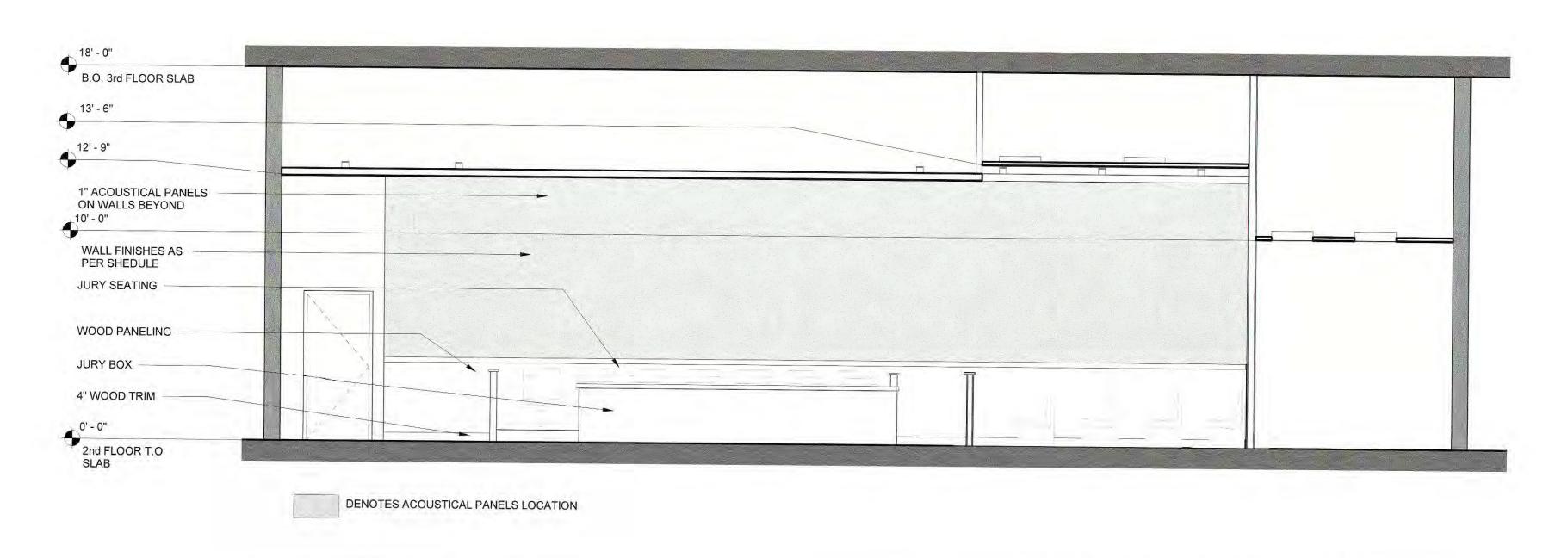


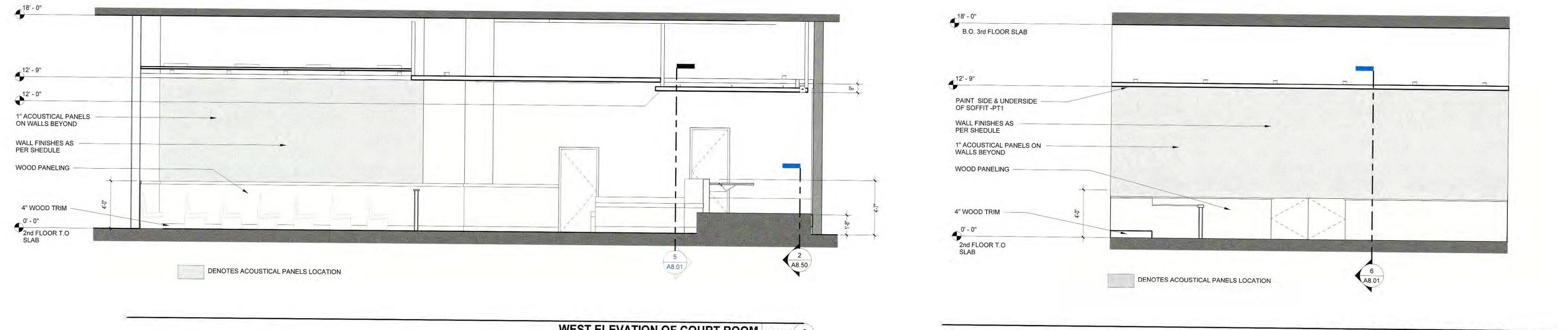


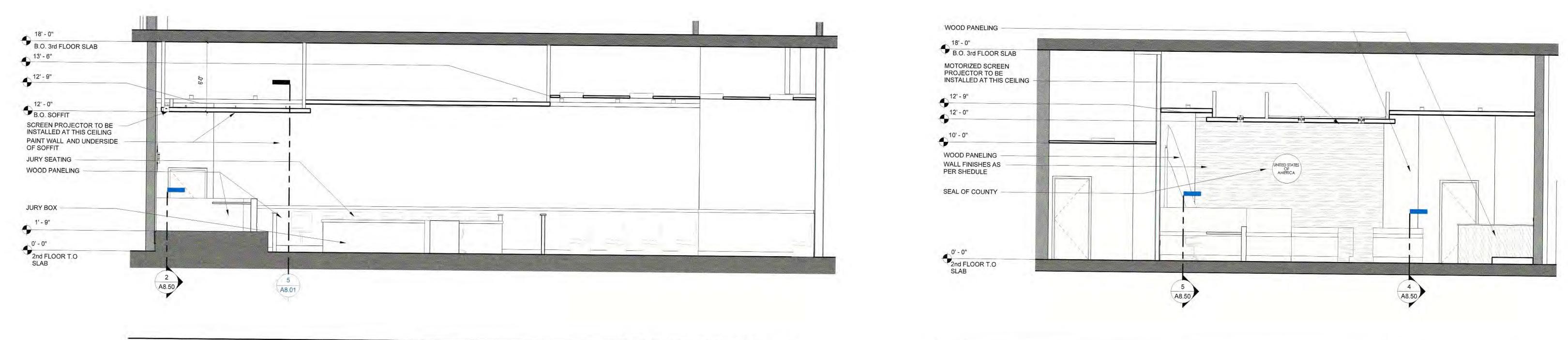
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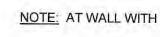


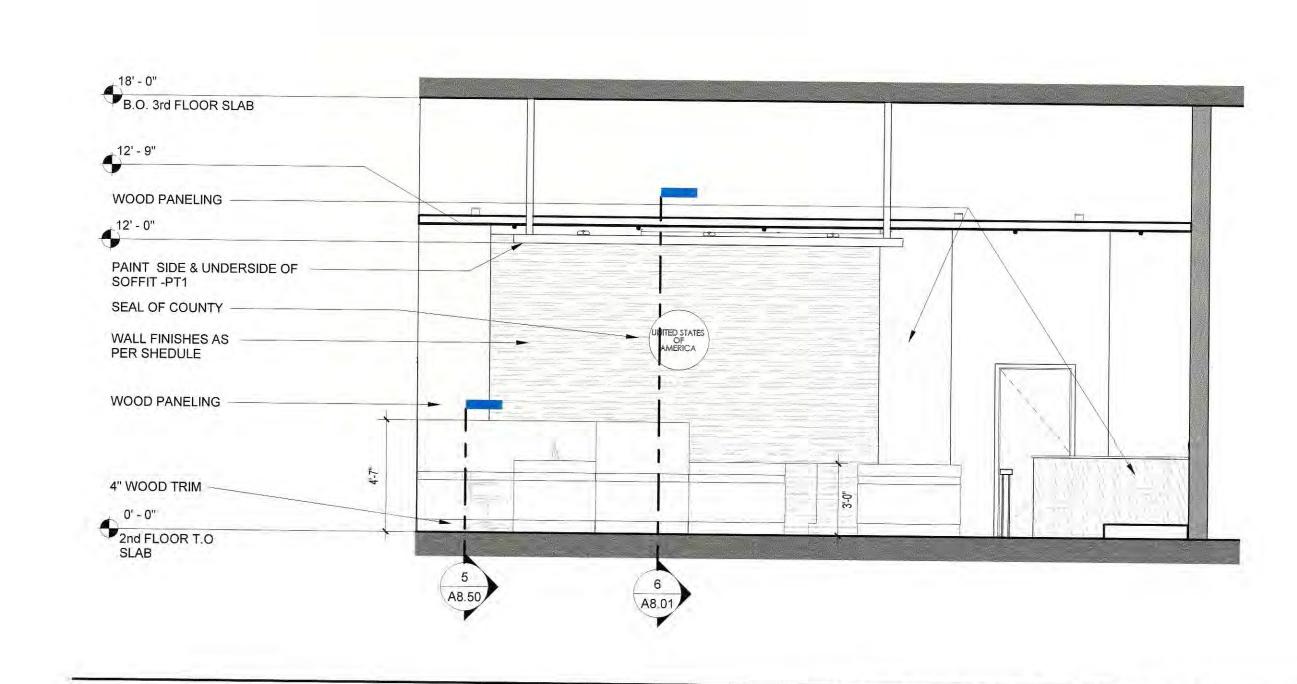










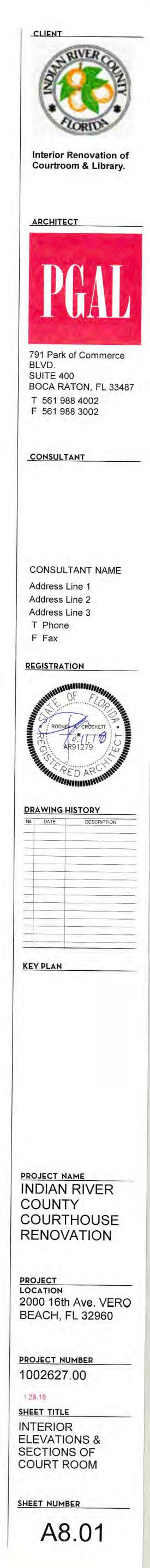


EAST ELEVATION OF COURT ROOM 1/4" = 1'-0" 2

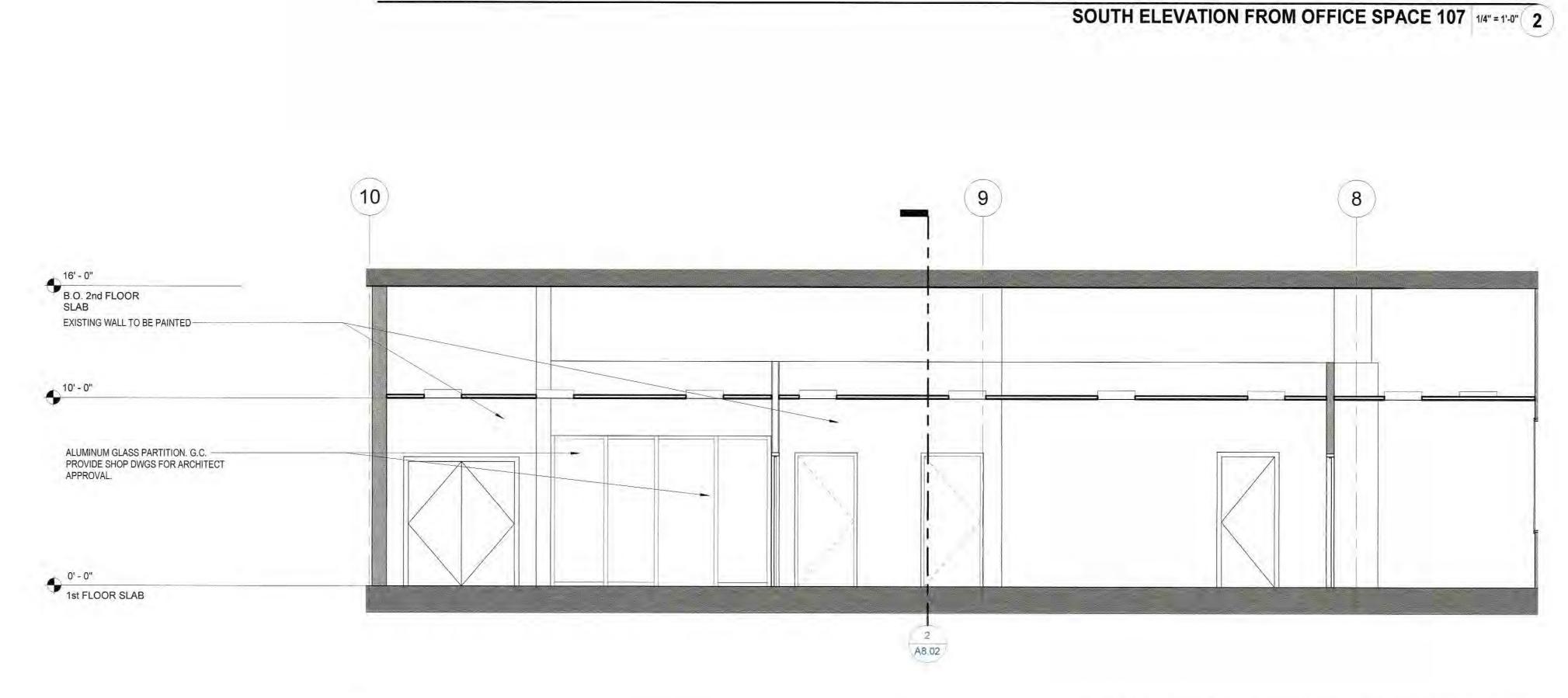
TRANSVERSAL SECTION 1/4" = 1'-0" 5

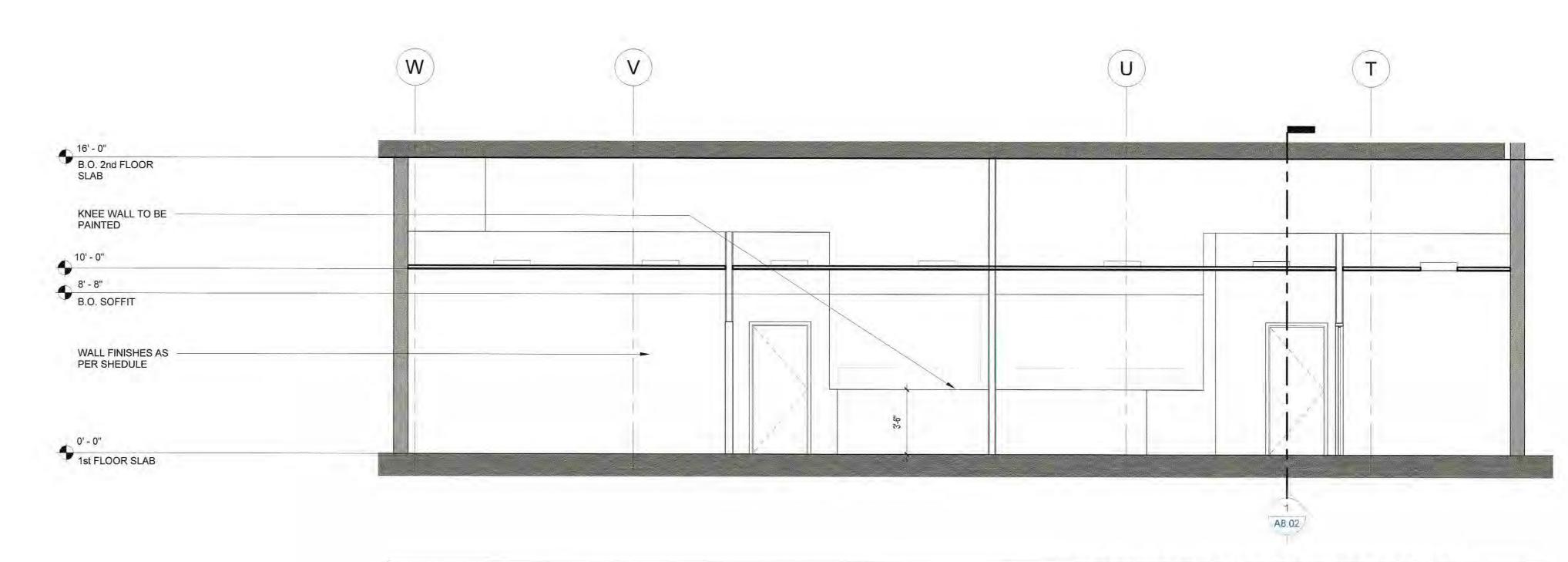
REAR ELEVATION OF COURT ROOM 1/4" = 1'-0" 3

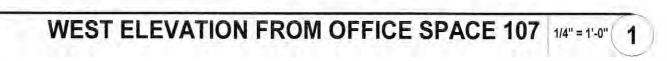
NOTE: AT WALL WITH WOOD PANELING . 1" ACOUSTICAL PANELS ARE TO BE INSTALLED ABOVE WOOD PANELS UP TO CEILING

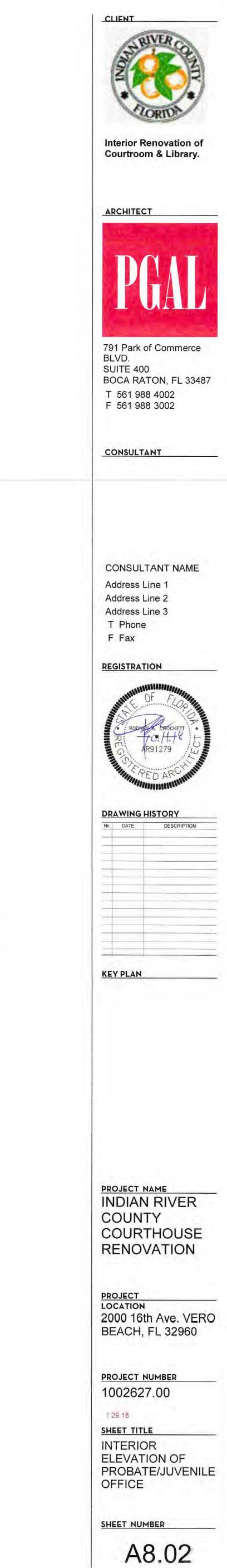


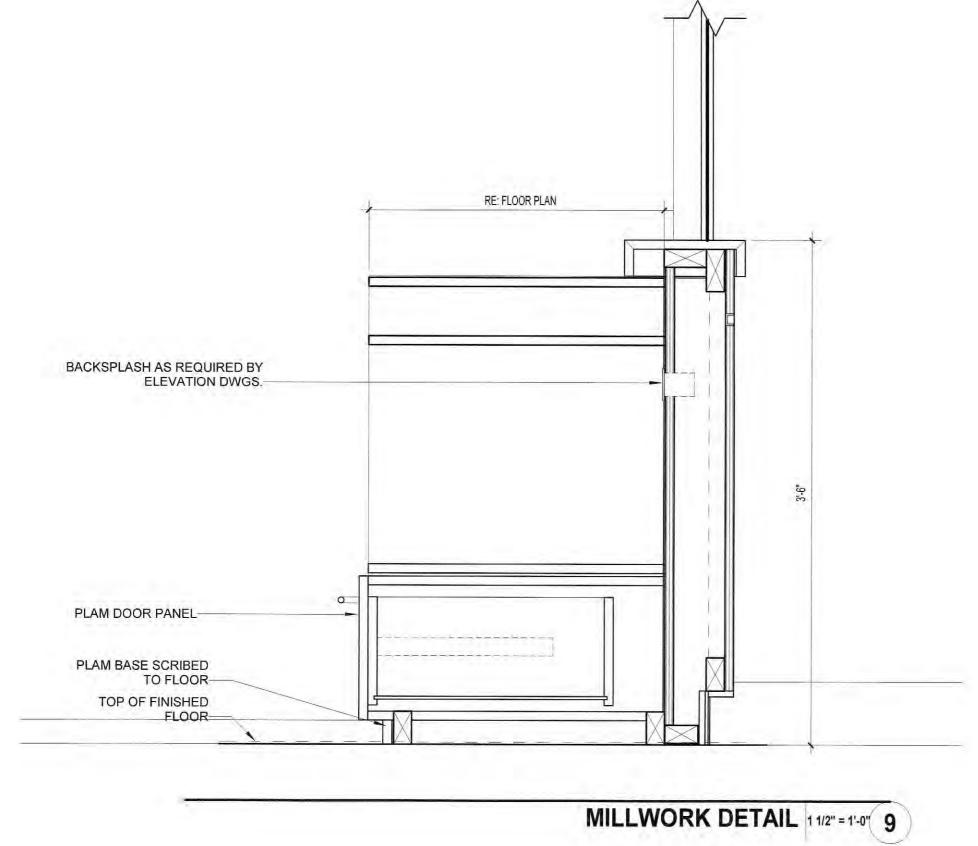
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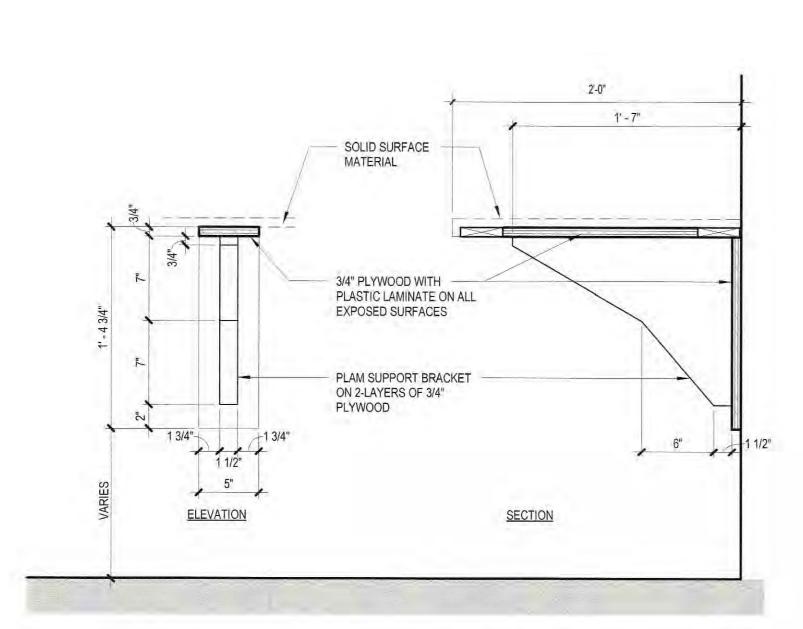


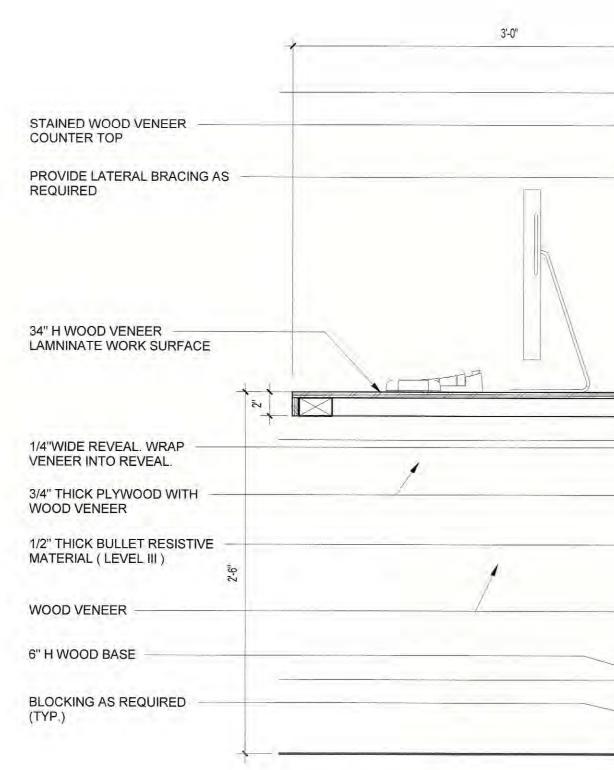






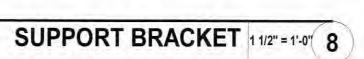


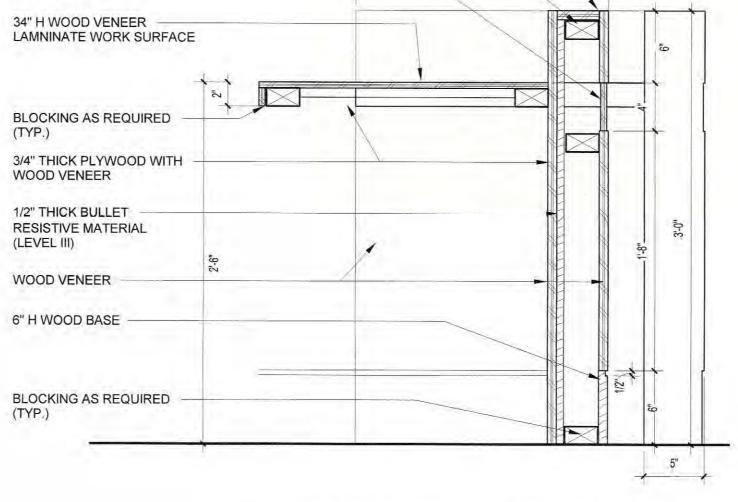




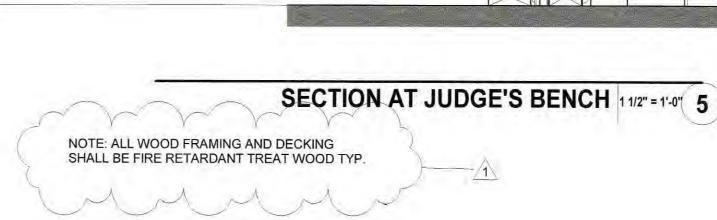
SECTION AT CLERK STATION 11/2"=1'-0" 7

\mathbb{X}





SECTION AT WITNESS STAND 11/2" = 1'-0" 4

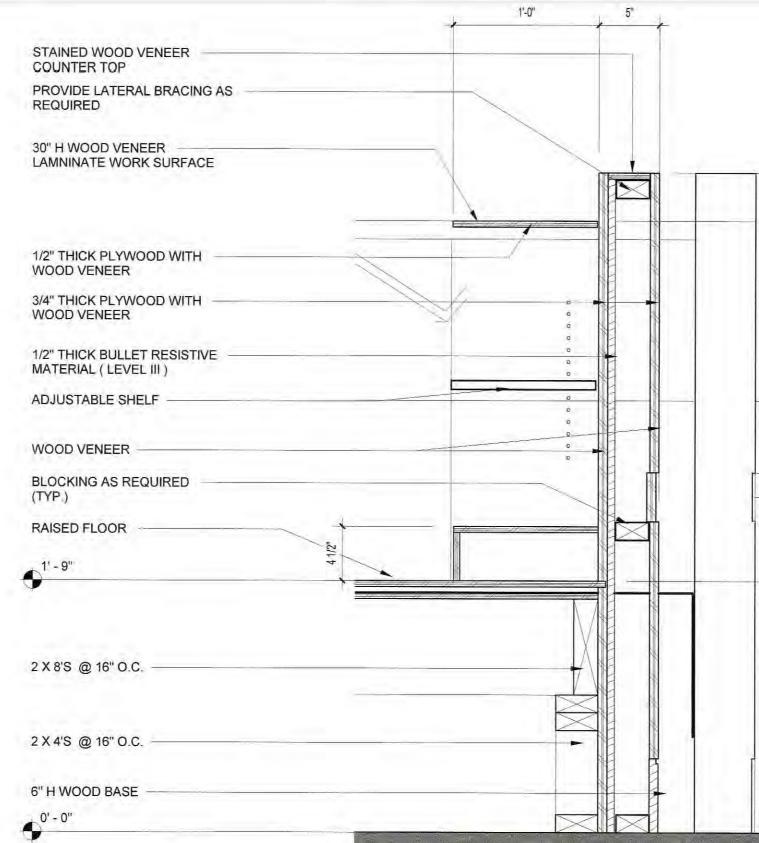


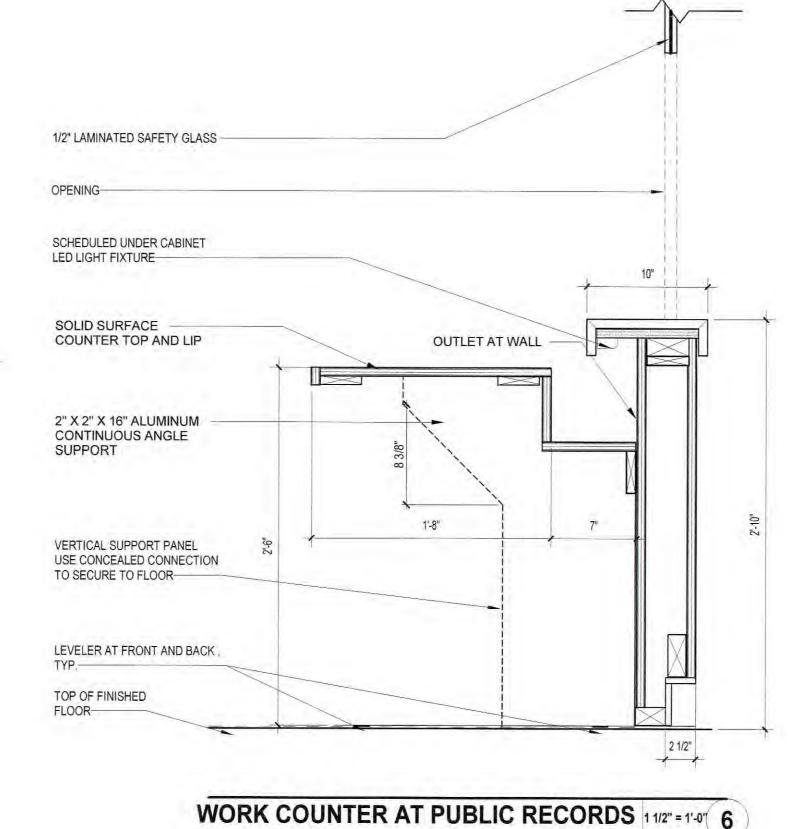
1

36"H STAINED WOOD VENEER COUNTER TOP

PROVIDE BLOCKING AS REQUIRED

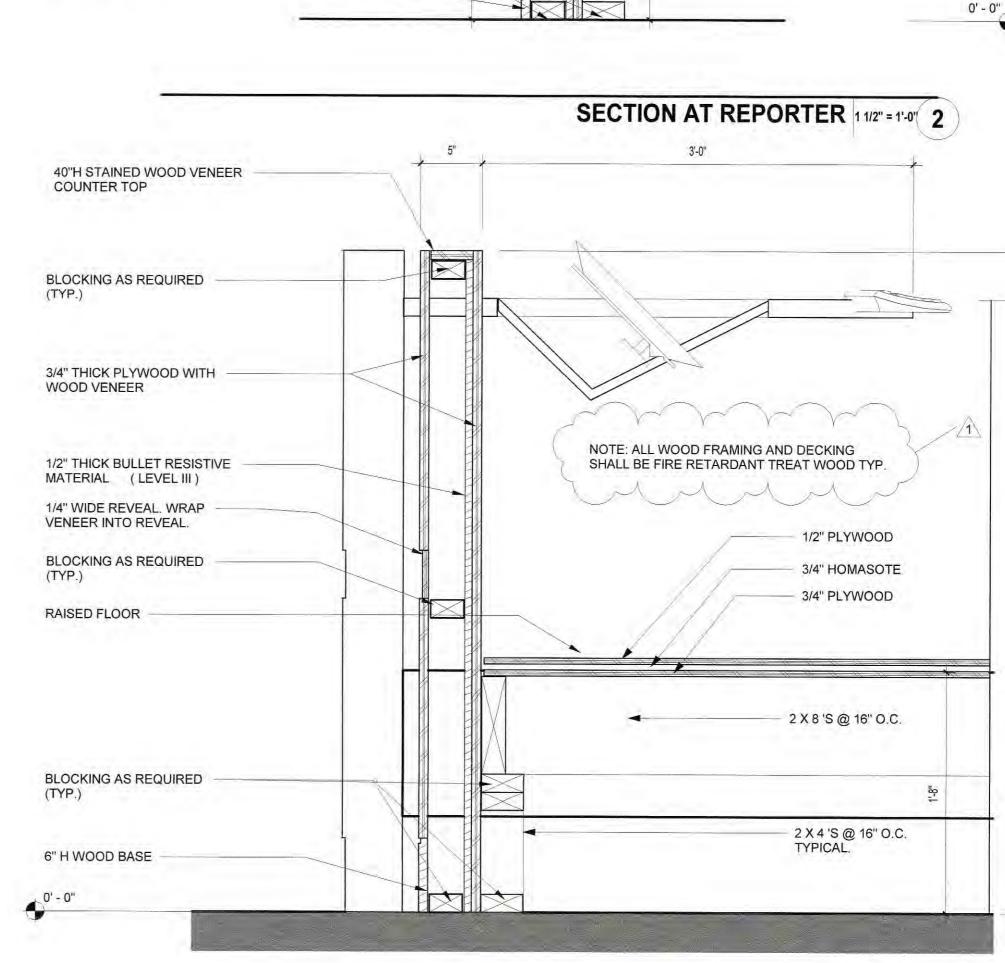
1/4"WIDE REVEAL. WRAP VENEER INTO REVEAL.

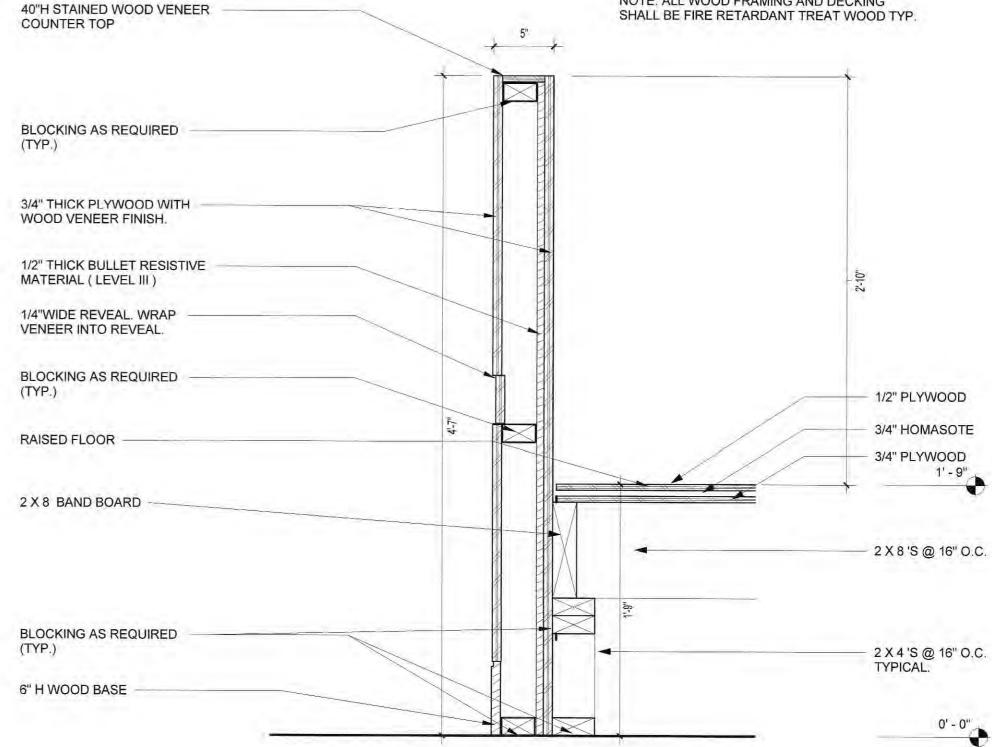




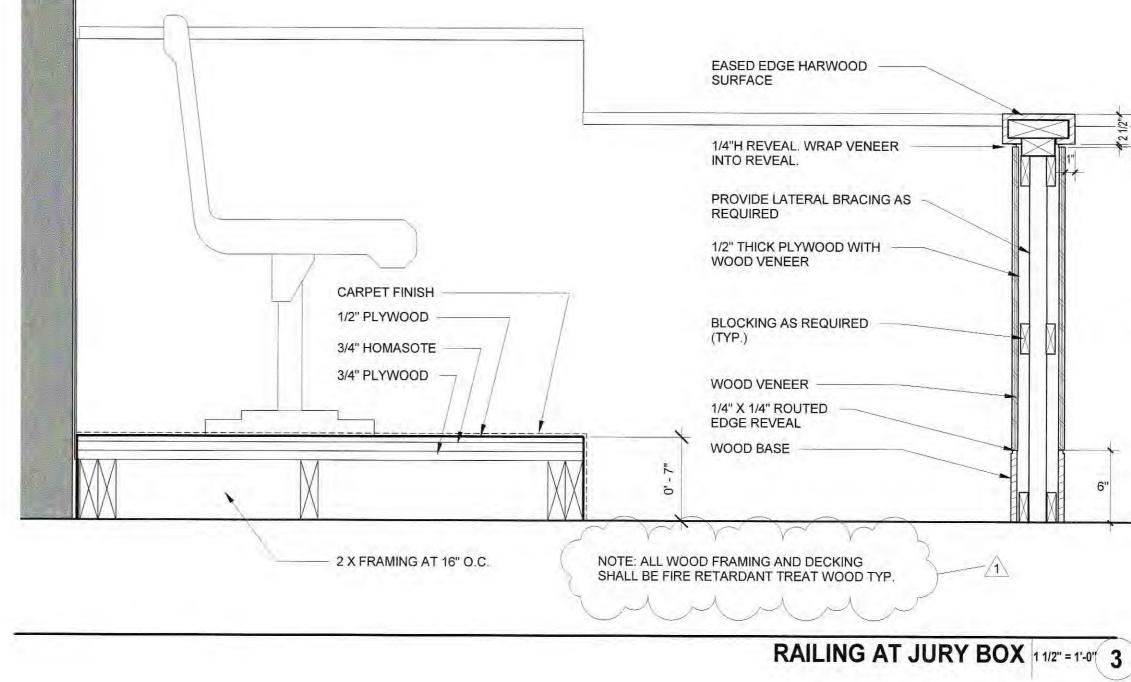
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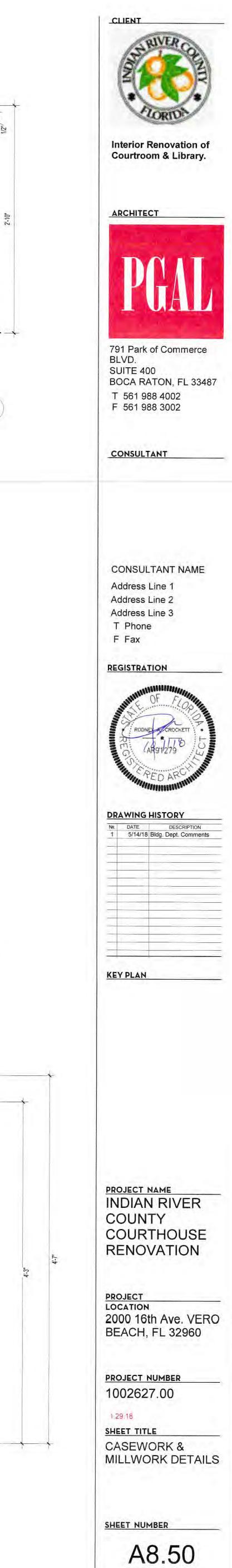
SECTION AT JUDG'S BENCH 11/2" = 1'-0" 1



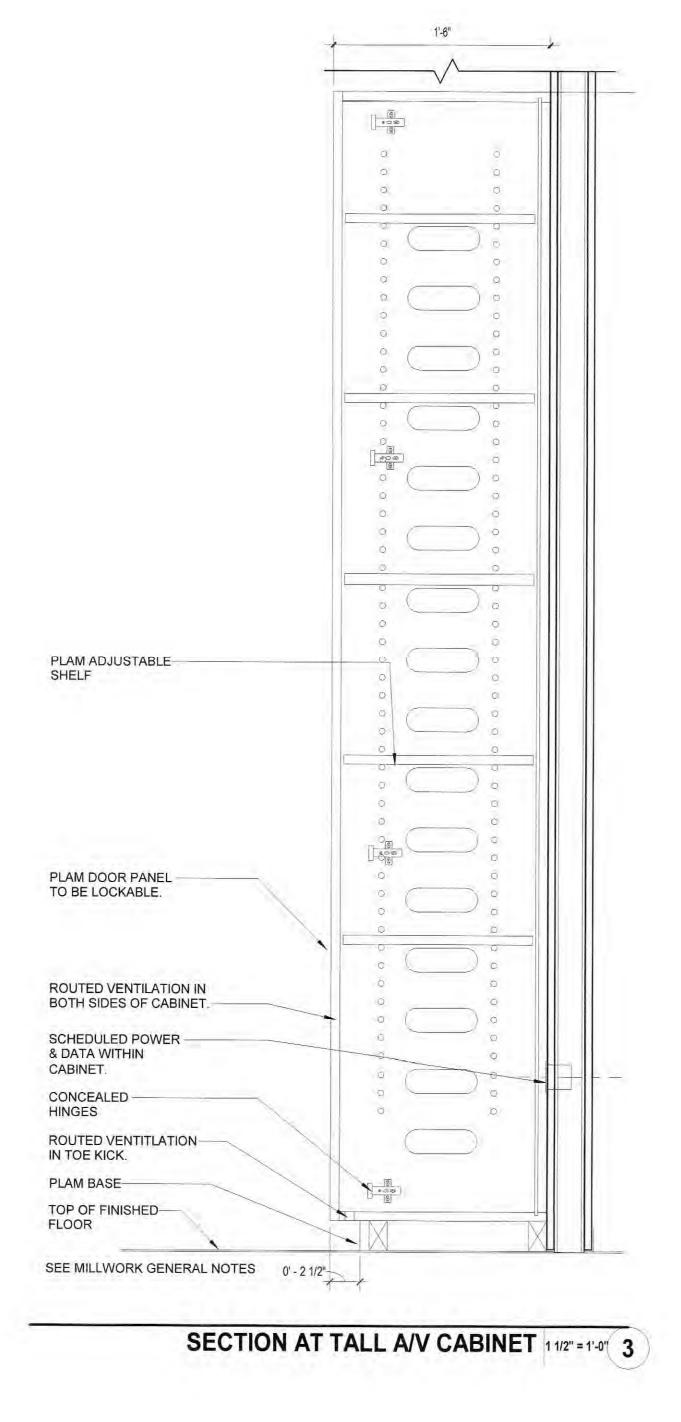


NOTE: ALL WOOD FRAMING AND DECKING

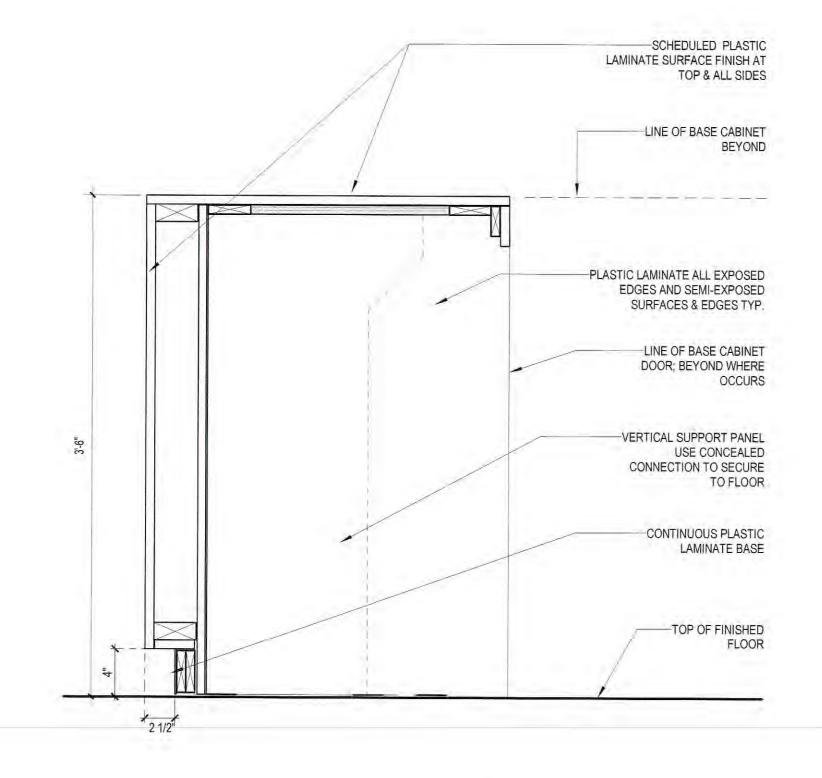




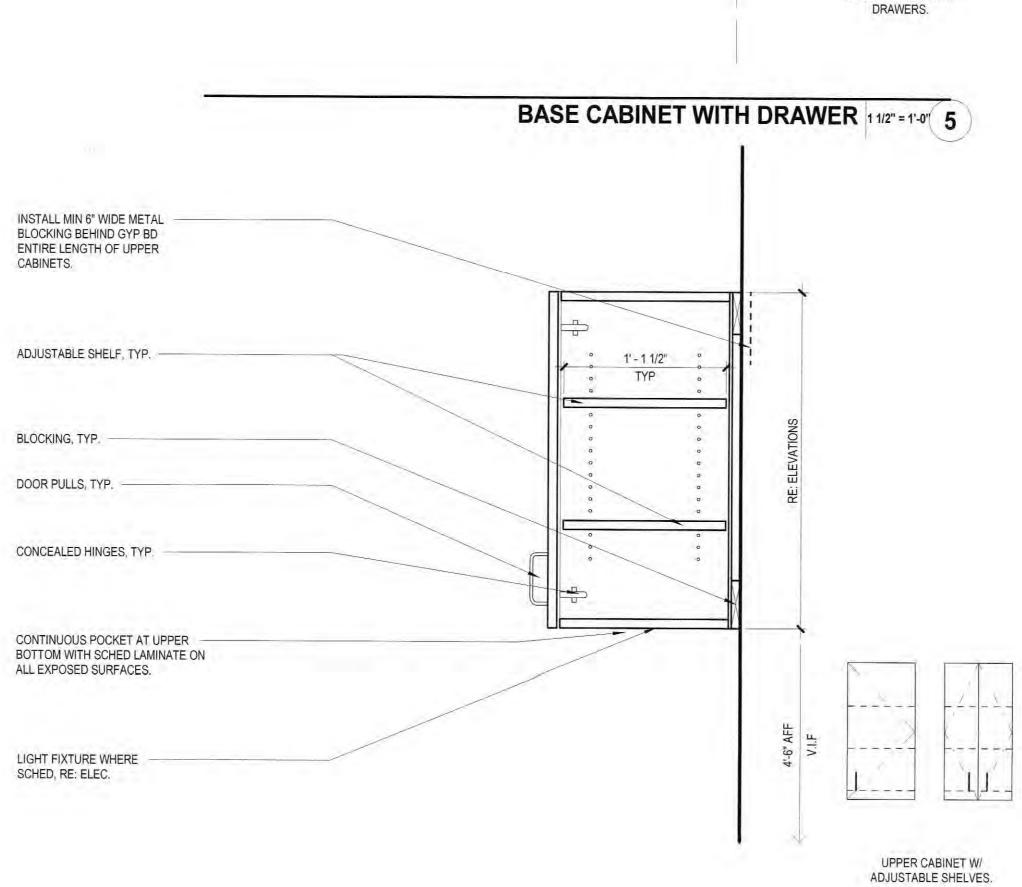
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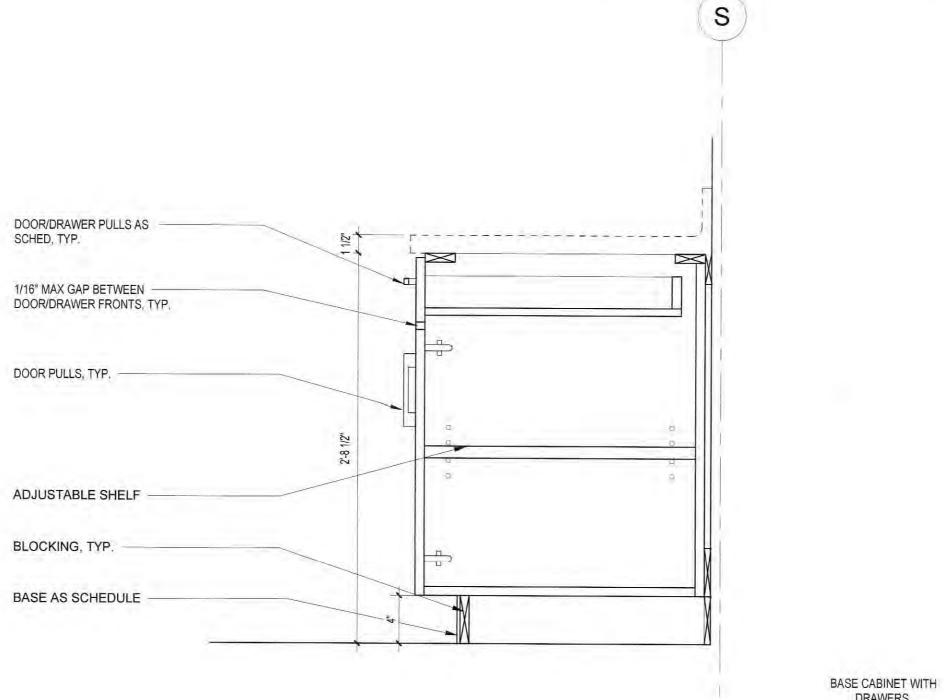


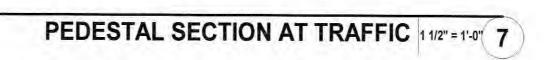


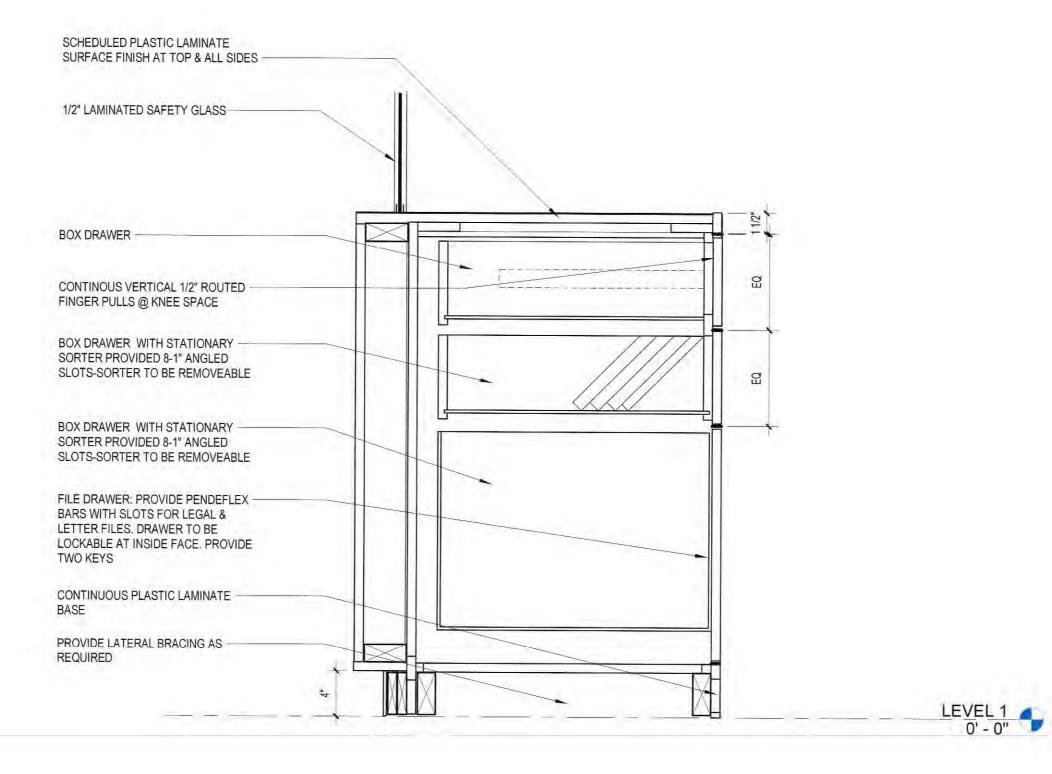


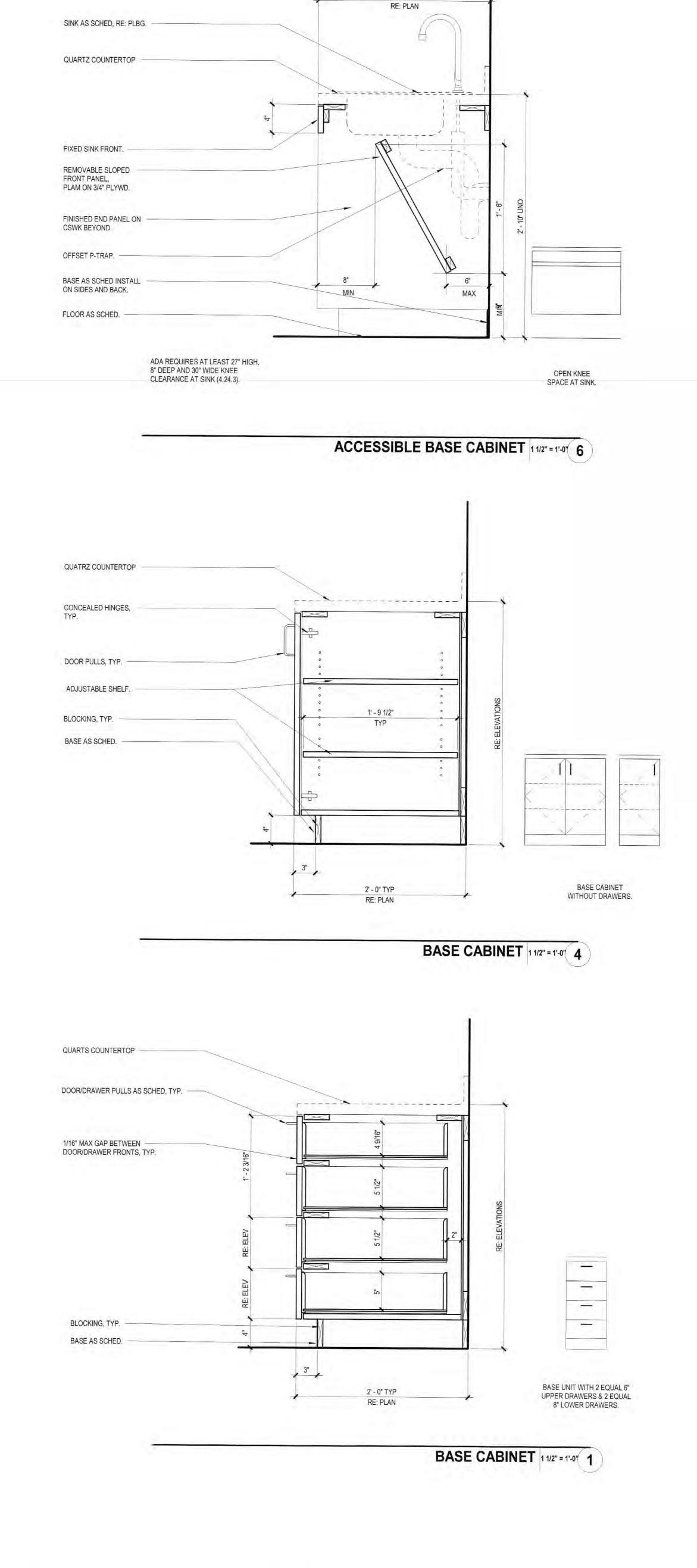




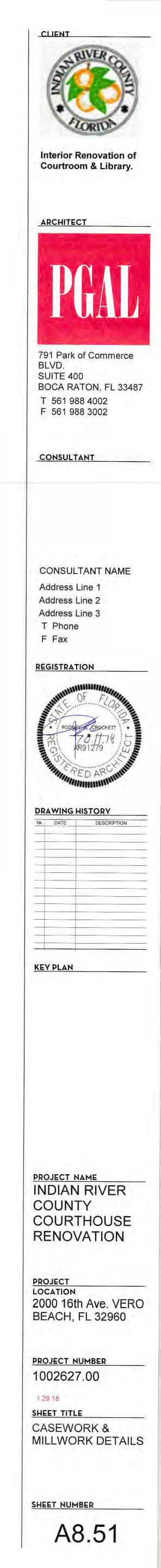


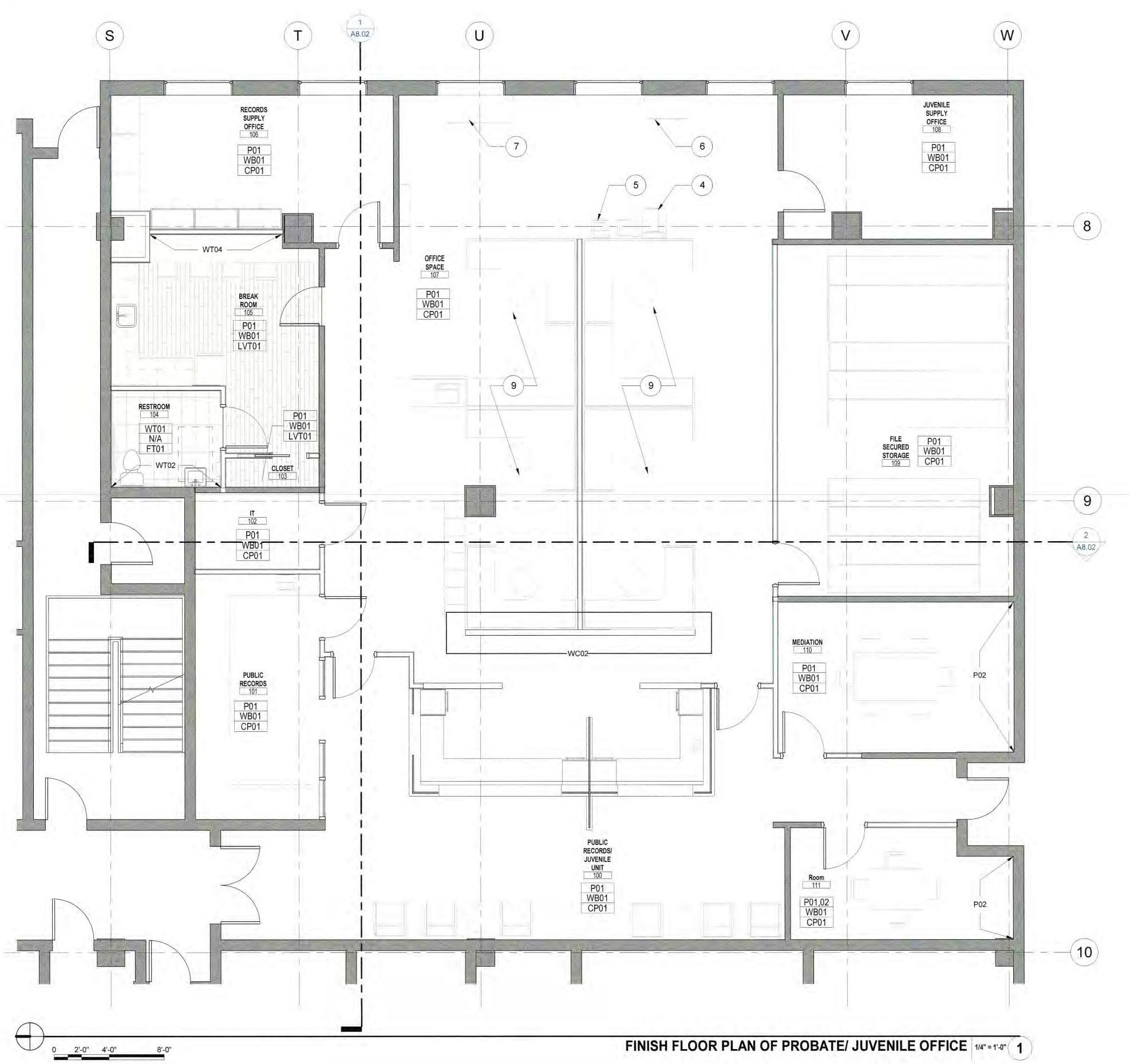






2' - 0" TYP



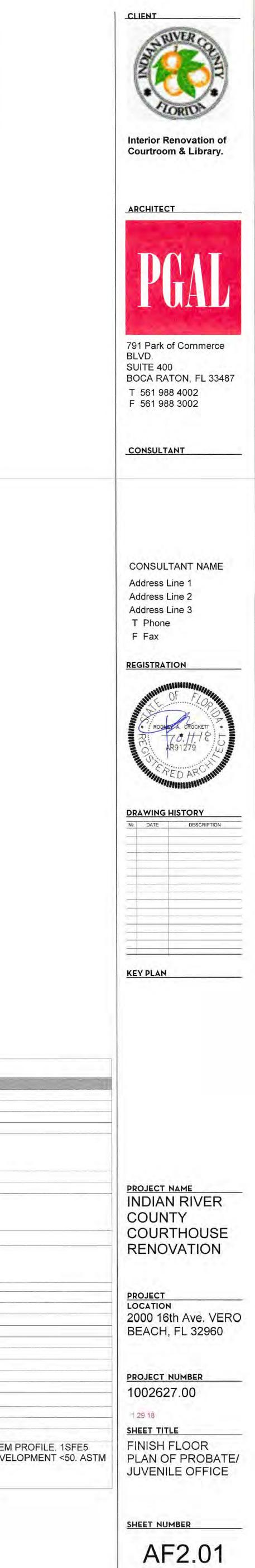


						FINISH SC		
CATERGORY	ITEM	LOCATION	MANUFACTURER	SERIES	COLOR	SIZE	CONTACT	NOTES
CARPET (CP)	CP01	COURT ROOM	SHAW	ALTERNATURE INGRAIN 59339	QUINCE 39504	24" X 24"	HOLLIS LILLARD - HOLLIS.LILLARD@SHAWINC.COM - 954-240-6906	
CARPET (CP)	CP02	COURT ROOM GALLERY	SHAW	ALTERNATURE EARTH TONE TILE 59338	QUINCE 78504	24" X 24"	HOLLIS LILLARD - HOLLIS.LILLARD@SHAWINC.COM - 954-240-6906	-
CARPET (CP)	CP03	OFFICES	SHAW	ALTERNATURE ENTWINE TILE 59337	QUINCE 78504	24" X 24"	HOLLIS LILLARD - HOLLIS.LILLARD@SHAWINC.COM - 954-240-6906	
FLOOR TILE (FT)	FT01	BATHROOM	DALTILE	FORMULA	AXIOM SILVER FM94 - UNPOLISHED	12" X 24"	DENISE BARCIA - DENISE.BARCIA@DALTILE.COM - 561-848-3507	
LUXURY VINYL TILE (LVT)	LVT01	BREAK ROOM	MANNINGTON	SPACIA	SS5A3805 SATIN WEAVE	18" X 18"	PAULA SOARES - PAULASOARES@MANNINGTON.COM - 561-563-9926	
WALL BASE (WB)	WB01	GENERAL	MANNINGTON	RUBBER OPTIUM EDGE 100	905 PEWTER	4" HIGH	PAULA SOARES - PAULA_SOARES@MANNINGTON.COM - 561-563-9926	
WALL BASE (WB)		COURT ROOM & GALLERY	SMITH AND DESHIELDS	LDF BASE BA534B	TO BE PAINTED P03	9/16" X 5-3/4"		
ACOUSTICAL CEILING TILE (ACT)	ACT01	GENERAL & STUDENT POD AREAS	ARMSTRONG	OPTIMA LAY-IN	WHITE	24' X 24"	GORDON RAMSAY GRAMSAY@ARMSTRONGCEILINGS.COM	15/16" GRID FLAT LAY IN
PAINT (P)	P01	FIELD PAINT	SHERWIN WILLIAMS	EGGSHELL		-	GLENN REMLER - GLENN.J.REMLER@SHERWIN.COM - 954-547-1217	
PAINT (P)		ACCENT PAINT	SHERWIN WILLIAMS		-		GLENN REMLER - GLENN.J.REMLER@SHERWIN.COM - 954-547-1217	
PAINT (P)		ACCENT PAINT - DOOR & FRAME	SHERWIN WILLIAMS	EGGSHELL		-	GLENN REMLER - GLENN.J.REMLER@SHERWIN.COM - 954-547-1217	-
WALLCOVERING (WC)		LOBBY ACCENT	WOLF GORDON	AVERY	AVR 3312 HORIZON	54" WIDE	STEVEN KORN - STEVEN.KORN@WOLFGORDON.COM	-
WALL TILE (WT)		RESTROOM FIELD WALL TILE	DALTILE	FORMULA	EQUATION GREY FM96 - POLISHED	12" X 24"	DENISE BARCIA - DENISE.BARCIA@DALTILE.COM - 561-848-3507	
WALL TILE (WT)	WT02	RESTROOM ACCENT WALL TILE	DALTILE	COLOR WAVE CLASSIC BLEND	SOFT CASHMERE CW22	1" X 1"	DENISE BARCIA - DENISE.BARCIA@DALTILE.COM - 561-848-3507	-
WALL TILE (WT)	WT03	COURT ROOM ACCENT WALL TILE	PORCELANOSA	GLOBE WALL	WHITE	6" X 22"	ILEANA ZAYAS BAZAN - IZAYASBAZAN@PORCELANOSA.COM	-
WALL TILE (WT)	WT04	BREAK ROOM ACCENT WALL TILE	DALTILE	INFINITE MIRAGE	ETERNAL DREAM IM06	1" X 4"	DENISE BARCIA - DENISE.BARCIA@DALTILE.COM - 561-848-3507	
PLASTIC LAMINATE (PI	L) PL01	BREAK ROOM	WILSONART	PLASTIC LAMINATE	8211K-28 PHANTOM PEARL	4	RAUL GONZALEZ RIO - GONZALR@WILSONART.COM	
COUNTERTOP (CT)		BREAK ROOM	CAESARSTONE	QUARTZ	4003 SLEEK CONCRETE	2	CAROLINA COELHO - CAROLINA.COELHO@CAESARSTONEUS.COM - 305-758-6601	
WOOD VENEER (WV)			ULTRA WOOD	WHITE OAK	QUARTED	-	-	
ACOUSTICAL PANEL (AP)	AP01	GENERAL	CARNEGIE FABRICS	DRAFT 5356	1	54'' W	DOREEN HERNADEZ - DOREENH@CSFLORIDA.COM	ACOUSTICAL PANELS SHALL BE FABRITRACK SYSTEM WITH 1" TRACK SYSTEM P WITH 1" THICK HIGH IMPACT WITH CLASS A - FLAME SPREAD <25 SMOKE DEVELC C423-E795 1". NRC: 80, SAA: 80.

002000-1/2018 R:10

FINISH SCHEDULE

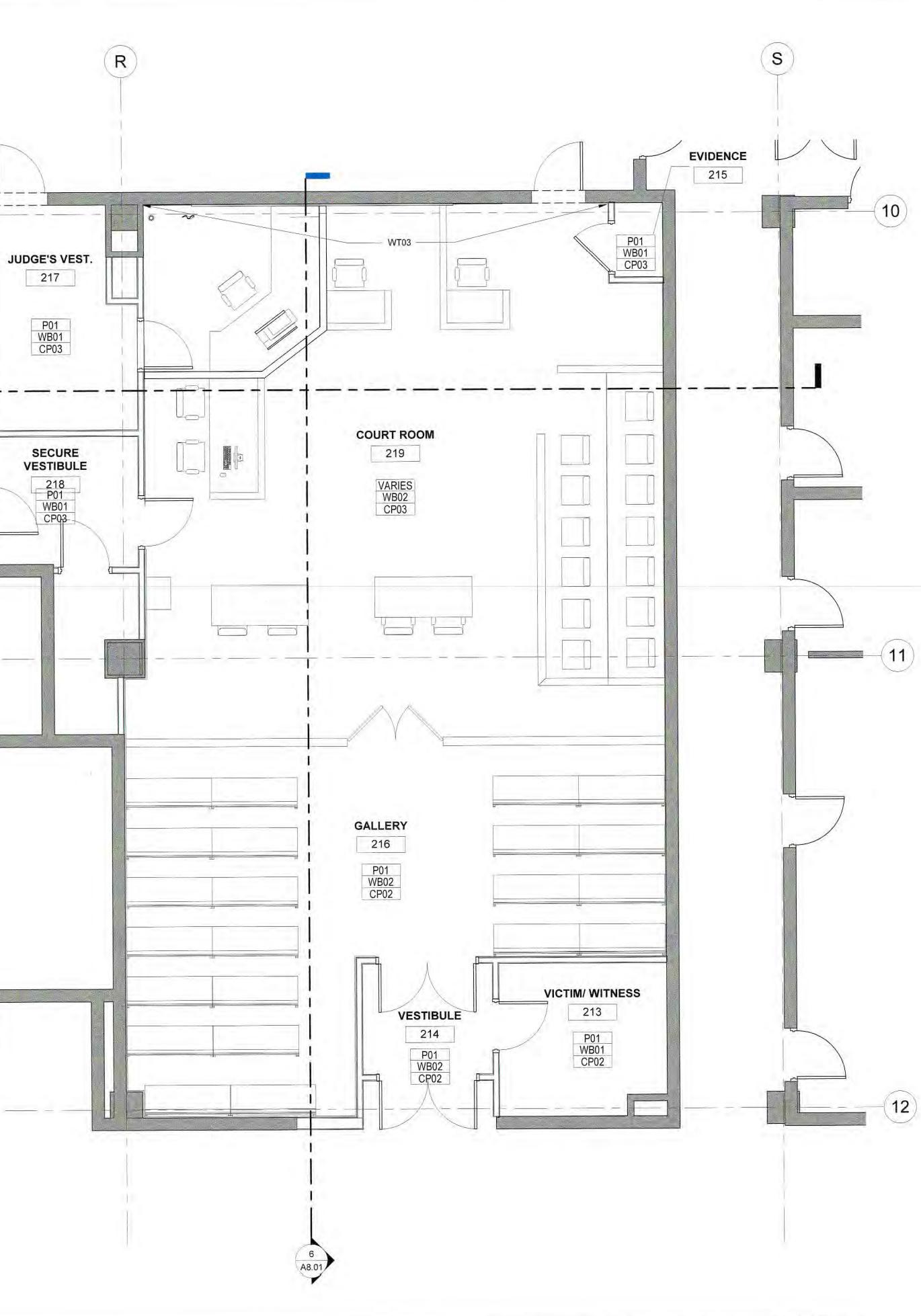
GENERAL NOTES:
1. ALL FINISHES SHALL MATCH EXISTING FINISHES
2. ALL WORK AND MATERIALS SHALL CONFORM TO THE 2014 FBC AS ALL OTHER APPLICABLE CODES.
3. VERIFY ALL FINISHES AND COLORS WITH OWNER.
4. PLAT SCANER. EXISTING ITEM TO BE RELOCATED FROM SECOND FLOOR LAND RECORDS SPACE
5. PLAT PRINTER. EXISTING ITEM TO BE RELOCATED FROM SECOND FLOOR LAND RECORDS SPACE
6. SUPPLY STORAGE. EXISTING ITEM TO BE RELOCATED FROM SECOND FLOOR LAND RECORDS SPACE
7. PLAT DESK WITH UPPER CABINETS. EXISTING ITEM TO BE RELOCATED FROM SECOND FLOOR LAND RECORDS SPACE
8. REFER TO SHEET A2.01 FOR MODULAR FURNITURE INFORMATION.
9. MODULAR OFFICE FURNITURE (8 STATIONS). STEEL CASE SERIES 950, CASEGOODS, FILES AND STORAGE. OR UNIGROUP TOO, APPROX. 6' X 8' STATIONS WITH 42" HIGH PANELS, UPPER CABINETS ONE SIDE, PEDESTAL FILE CABINET, PENCIL DRAWERS. CONTACT LEYLA LACEY AT J.C. WHITE FOR PRICING. (561) 848-498
LVT01
FT01
FT01 KEY PLAN , FIRST FLOOR. PROPOSED PLAN



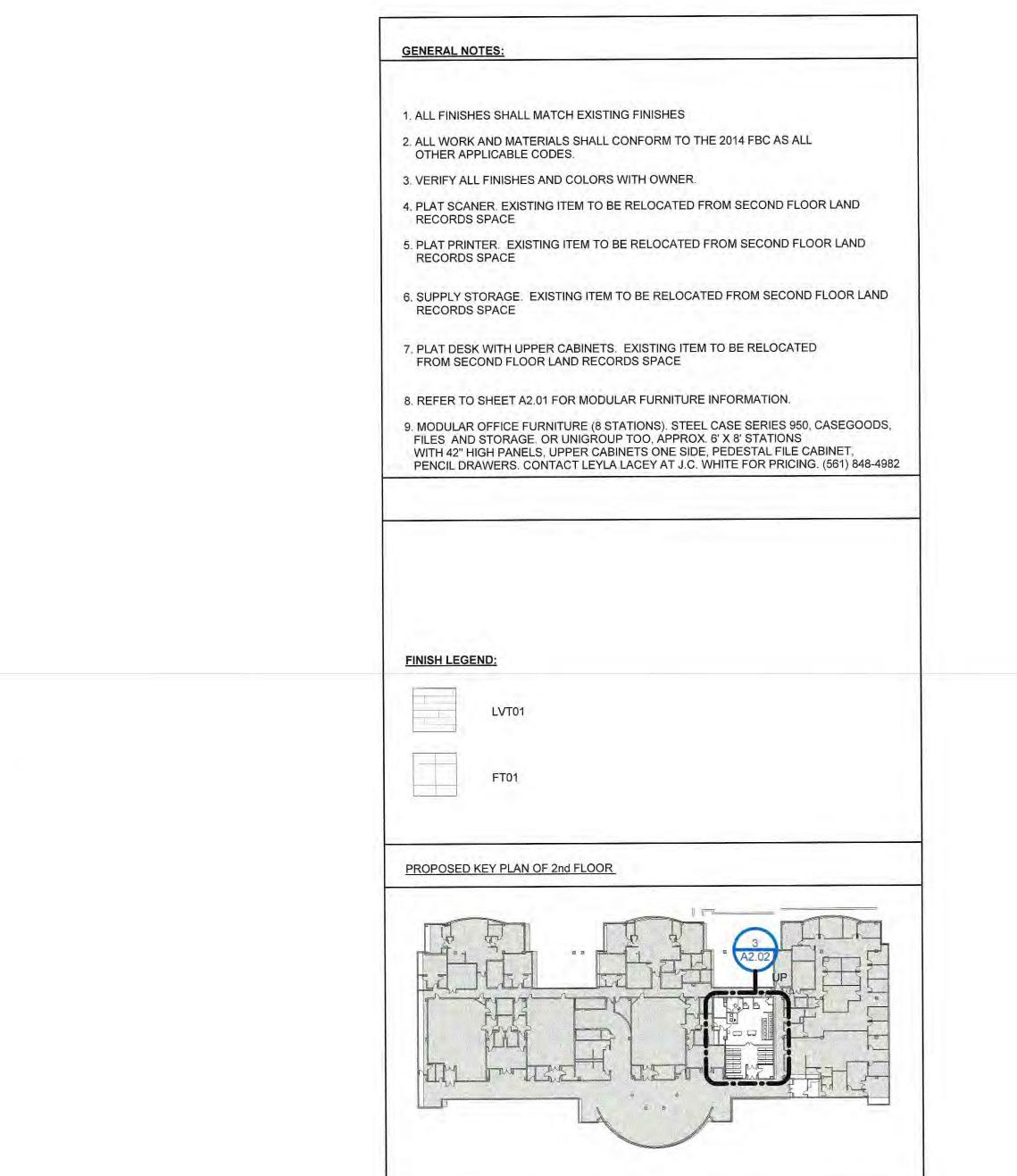
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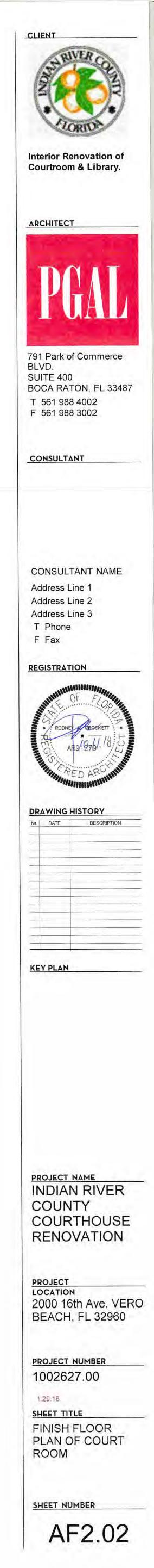
 \bigcirc 0 2'-0" 4'-0" 8'-0"

A8.01

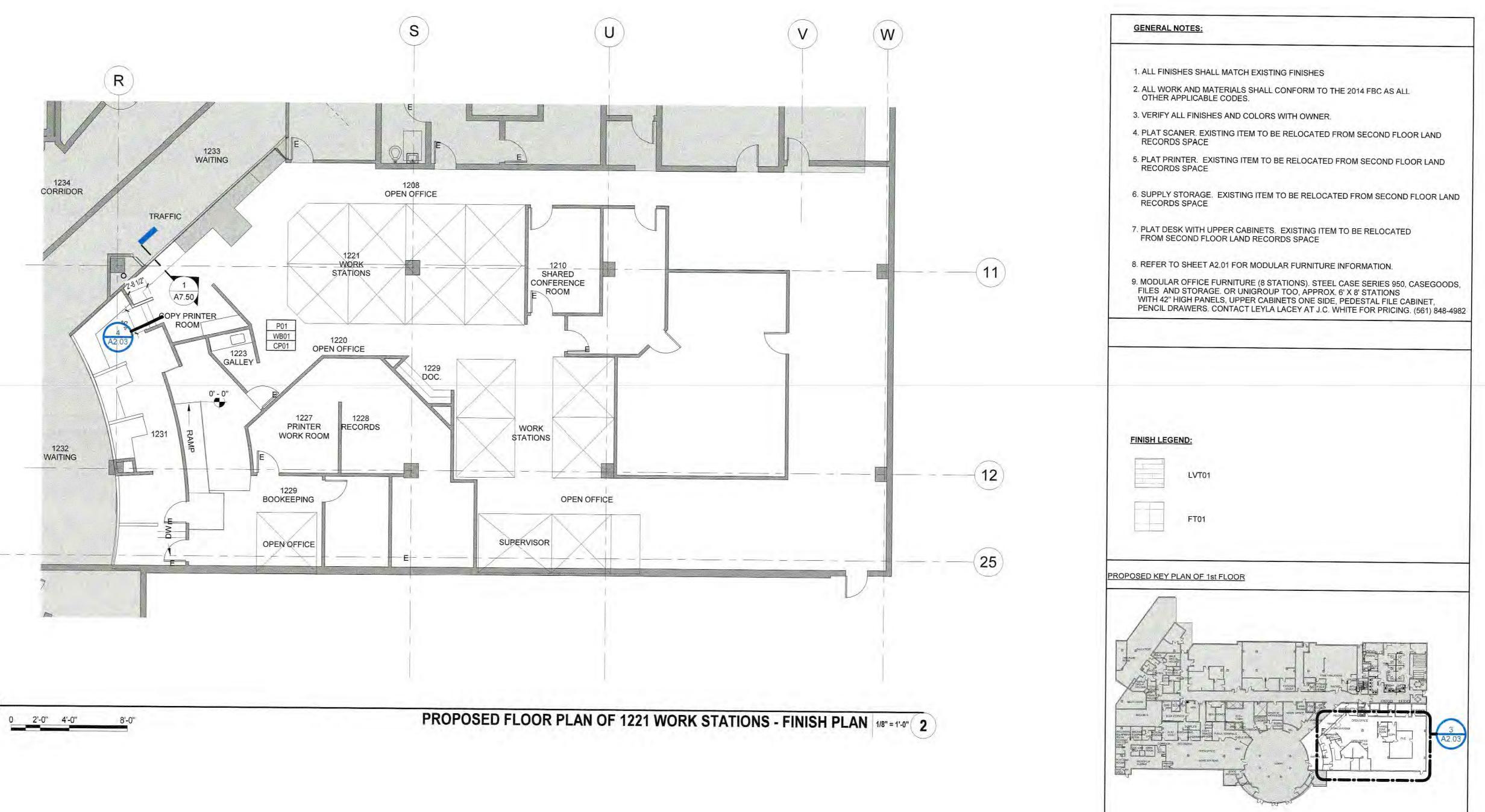


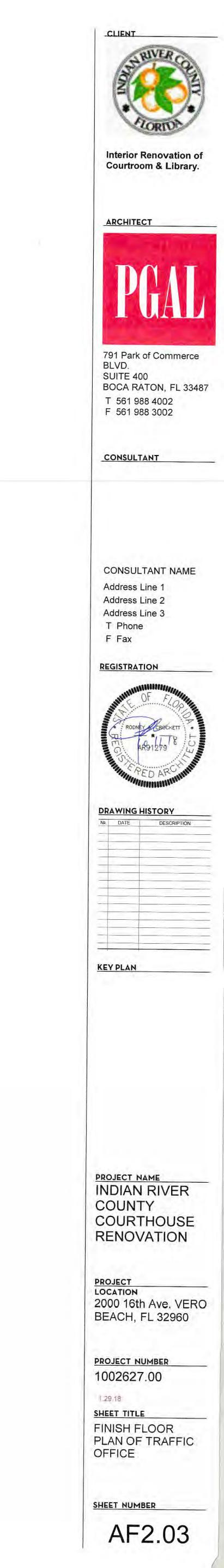
FINISH FLOOR PLAN OF COURT ROOM 1/4" = 1'-0" 1

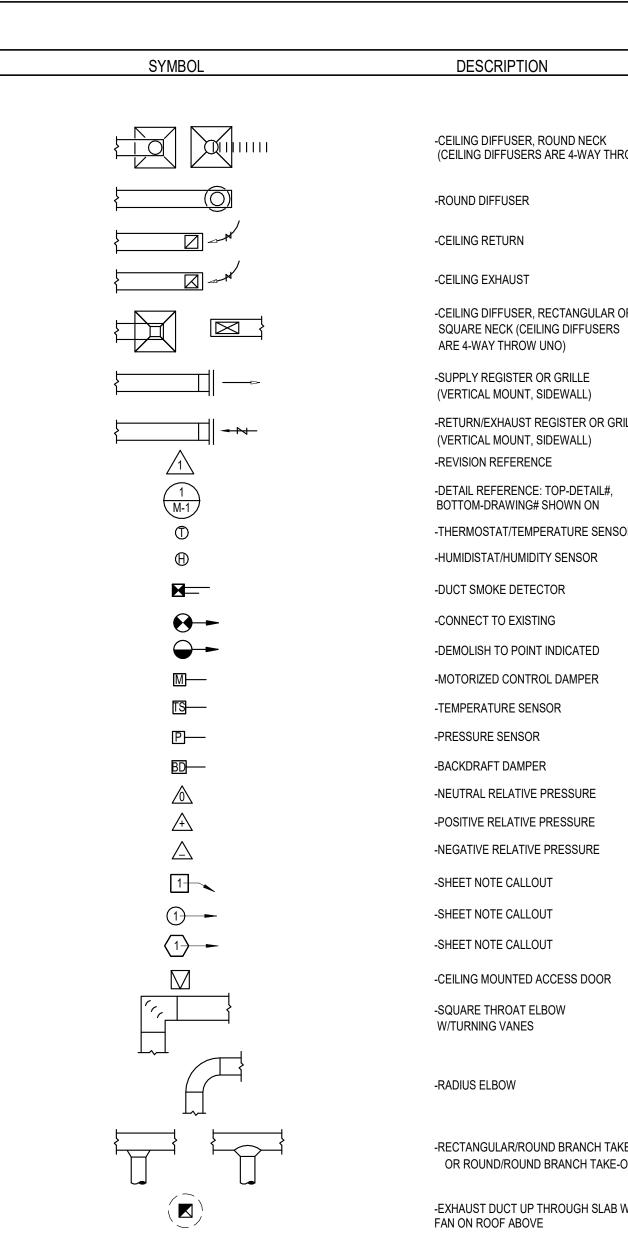




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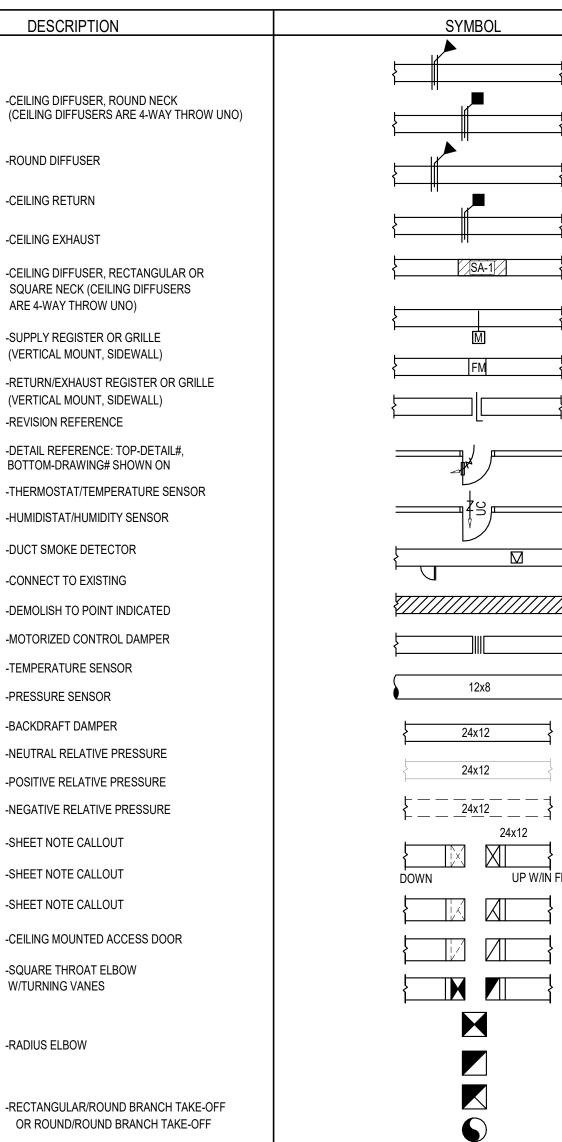


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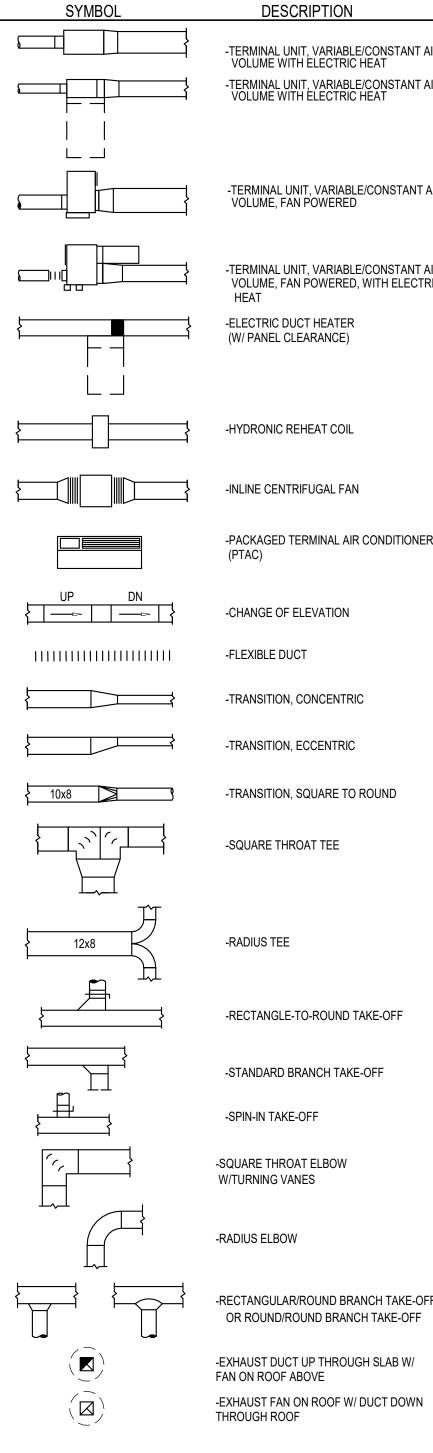
-EXHAUST DUCT UP THROUGH SLAB W/ FAN ON ROOF ABOVE -EXHAUST FAN ON ROOF W/ DUCT DOWN THROUGH ROOF

DESCRIPTION

HVAC SYMBOL LEGEND



	DESCRIPTION
T T	-FIRE DAMPER (WITH ACCESS PANEL)
	-FIRE & SMOKE DAMPER (WITH ACCESS PANEL)
T T	-EXISTING FIRE DAMPER TO REMAIN
	-EXISTING FIRE & SMOKE DAMPER TO REMAIN
T^T	-SOUND ATTENUATOR
T*T	-MOTOR OPERATED CONTROL DAMPER (MOD)
T^T	-AIR FLOW MEASURING STATION
	-MANUAL BALANCING DAMPER
=	-DOOR GRILLE
_	-UNDERCUT DOOR
	-ACCESS DOORS, VERTICAL OR HORIZONTAL
2	-STAINLESS STEEL DUCTWORK
	-FLEXIBLE CONNECTION
	-FLAT OVAL DUCT
	-NEW DUCTWORK, FIRST DIMENSION IS SIDE SHOWN
\$	-EXISTING DUCTWORK TO REMAIN
	-EXISTING DUCTWORK TO BE REMOVED
FLOOR	-DUCT ELBOW, POSITIVE PRESSURE (SUPPLY), FIRST DIMENSION INDICATES SIDE TO WHICH ARROW IS POINTING
•	-DUCT ELBOW, EXHAUST
•	-DUCT ELBOW, NEGATIVE PRESSURE, RETURN
•	-DUCT ELBOW UP THROUGH ROOF OR SLAB ABOVE
	-RECTANGULAR DUCT SECTION UP, POSITIVE PRESSURE, SUPPLY OR OUTSIDE AIR -RECTANGULAR DUCT SECTION UP, NEGATIVE PRESSURE, RETURN -RECTANGULAR DUCT SECTION UP, EXHAUST
	-ROUND DUCT SECTION UP
	-FLAT OVAL DUCT SECTION UP



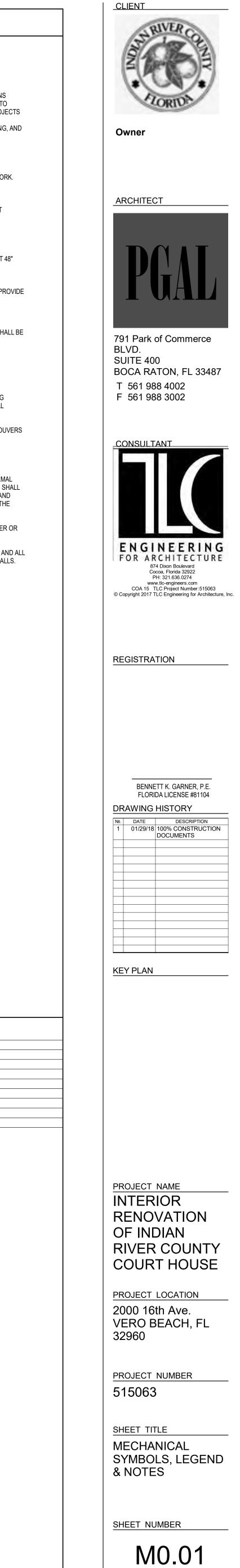
-TRANSITION, CONCENTRIC -TRANSITION, ECCENTRIC -TRANSITION, SQUARE TO ROUND -SQUARE THROAT TEE -RADIUS TEE -RECTANGLE-TO-ROUND TAKE-OFF -STANDARD BRANCH TAKE-OFF -SPIN-IN TAKE-OFF -SQUARE THROAT ELBOW W/TURNING VANES

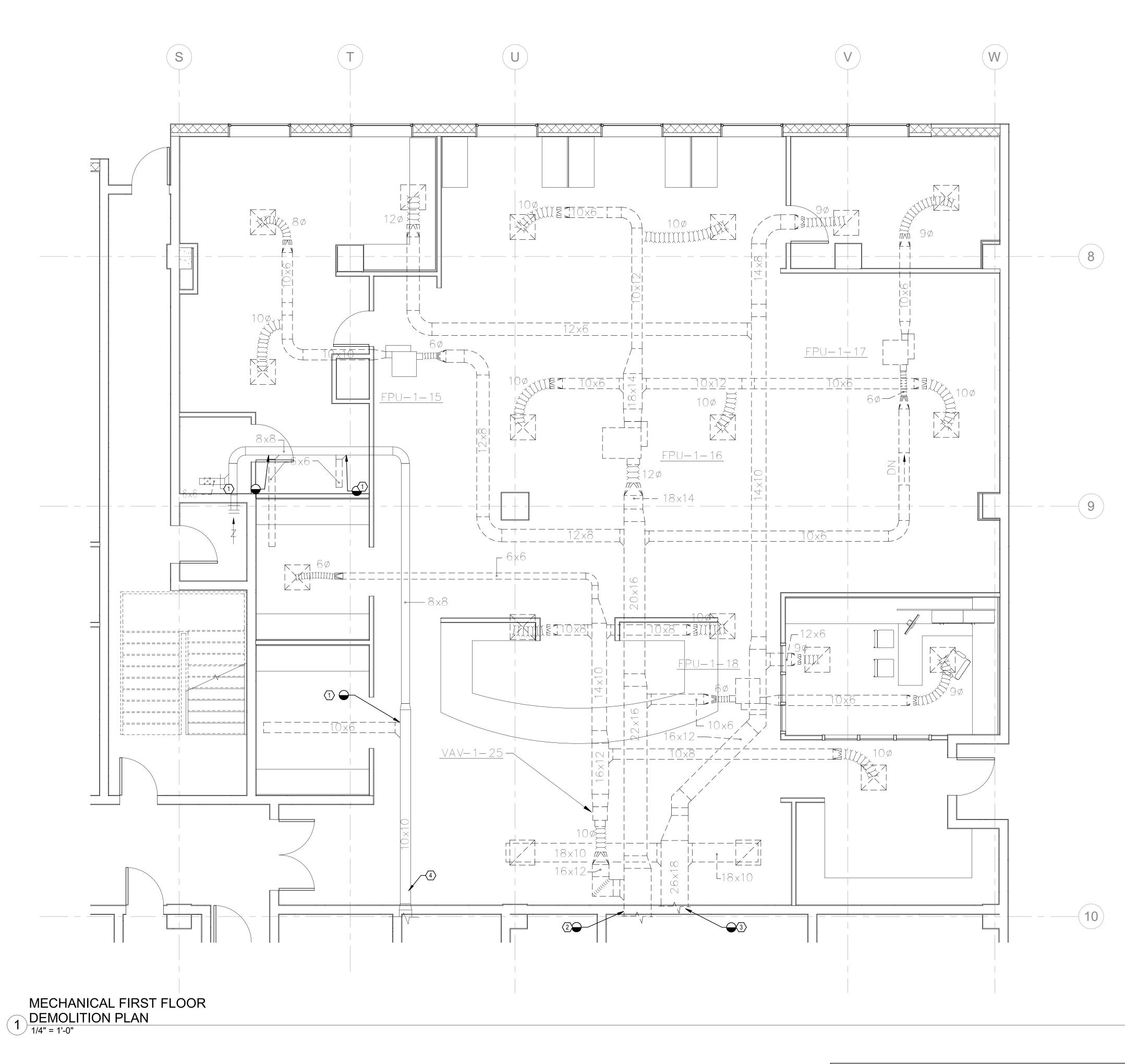
-RADIUS ELBOW

-RECTANGULAR/ROUND BRANCH TAKE-OFF OR ROUND/ROUND BRANCH TAKE-OFF

-EXHAUST DUCT UP THROUGH SLAB W/ FAN ON ROOF ABOVE -EXHAUST FAN ON ROOF W/ DUCT DOWN THROUGH ROOF

IT AIR CTRIC	SYMBOL AFD AFF AFR AHU AP BOP BHP BTU h \$ CD CT CV △P △T CFM CU DDC DN	DESCRIPTION -ADJUSTABLE FREQUENCY DRIVE -ABOVE FINISHED FLOOR -ABOVE FINISHED ROOF -AIR HANDLING UNIT -ACCESS PANEL -BOTTOM OF PIPE -BRAKE HORSEPOWER -BRITISH THERMAL UNIT -CENTER LINE -CFM (CUBIC FEET PER MINUTE) -CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME -CHANGE IN PRESSURE	SYMBOL LD MBH MCA MOCP MOD NC NO NC NO NTS OA OAL	DESCRIPTION -LINEAR DIFFUSER -THOUSAND BTUS PER HOUR -MINIMUM CIRCUIT AMPS -MAXIMUM OVER CURRENT PROTECTION -MOTOR OPERATED CONTROL DAMPER (MOD) -NORMALLY CLOSED -NORMALLY OPEN	 CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED. DIMENSIONS SHALL BE FIELD-VERIFIED AND COORDINATED PRIOR TO PROCUREMENT OR FABRICATION. COORDINATE THE WORK WITH OTHER TRADES INVOLVED. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING OR DUCTWORK (INCLUDING DIVIDED DUCTWORK) NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST. FOR PROJEC' INVOLVING RENOVATION, COORDINATE NEW WORK WITH EXISTING ELEMENTS SUCH AS THE BUILDING STRUCTURE AND ARCHITECTURAL FEATURES, SPRINKLER PIPING, LIGHTS, PLUMBING, A
IT AIR NT AIR IT AIR CTRIC	AFF AFR AHU AP BOP BHP BTU h ∳ CD CT CV △P △T CFM CU DDC	-ABOVE FINISHED FLOOR -ABOVE FINISHED ROOF -AIR HANDLING UNIT -ACCESS PANEL -BOTTOM OF PIPE -BRAKE HORSEPOWER -BRITISH THERMAL UNIT -CENTER LINE -CFM (CUBIC FEET PER MINUTE) -CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME	MBH MCA MOCP MOD NC NO NTS OA	-THOUSAND BTUS PER HOUR -MINIMUM CIRCUIT AMPS -MAXIMUM OVER CURRENT PROTECTION -MOTOR OPERATED CONTROL DAMPER (MOD) -NORMALLY CLOSED	 DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED. 2. DIMENSIONS SHALL BE FIELD-VERIFIED AND COORDINATED PRIOR TO PROCUREMENT OR FABRICATION. COORDINATE THE WORK WITH OTHER TRADES INVOLVED. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING OR DUCTWORK (INCLUDING DIVIDED DUCTWORK) NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST. FOR PROJECT INVOLVING RENOVATION, COORDINATE NEW WORK WITH EXISTING ELEMENTS SUCH AS THE
NT AIR IT AIR CTRIC	AFF AFR AHU AP BOP BHP BTU h ∳ CD CT CV △P △T CFM CU DDC	-ABOVE FINISHED FLOOR -ABOVE FINISHED ROOF -AIR HANDLING UNIT -ACCESS PANEL -BOTTOM OF PIPE -BRAKE HORSEPOWER -BRITISH THERMAL UNIT -CENTER LINE -CFM (CUBIC FEET PER MINUTE) -CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME	MBH MCA MOCP MOD NC NO NTS OA	-THOUSAND BTUS PER HOUR -MINIMUM CIRCUIT AMPS -MAXIMUM OVER CURRENT PROTECTION -MOTOR OPERATED CONTROL DAMPER (MOD) -NORMALLY CLOSED	2. DIMENSIONS SHALL BE FIELD-VERIFIED AND COORDINATED PRIOR TO PROCUREMENT OR FABRICATION. COORDINATE THE WORK WITH OTHER TRADES INVOLVED. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING OR DUCTWORK (INCLUDING DIVIDED DUCTWORK) NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST. FOR PROJECT INVOLVING RENOVATION, COORDINATE NEW WORK WITH EXISTING ELEMENTS SUCH AS THE
NT AIR IT AIR CTRIC	AFR AHU AP BOP BHP BTU h ∮ CD CT CV △P △T CFM CU DDC	-ABOVE FINISHED ROOF -AIR HANDLING UNIT -ACCESS PANEL -BOTTOM OF PIPE -BRAKE HORSEPOWER -BRITISH THERMAL UNIT -CENTER LINE -CFM (CUBIC FEET PER MINUTE) -CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME	MCA MOCP MOD NC NO NTS OA	-MINIMUM CIRCUIT AMPS -MAXIMUM OVER CURRENT PROTECTION -MOTOR OPERATED CONTROL DAMPER (MOD) -NORMALLY CLOSED	FABRICATION. COORDINATE THE WORK WITH OTHER TRADES INVOLVED. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING OR DUCTWORK (INCLUDING DIVIDED DUCTWORK) NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST. FOR PROJECT INVOLVING RENOVATION, COORDINATE NEW WORK WITH EXISTING ELEMENTS SUCH AS THE
IT AIR CTRIC	AP BOP BHP BTU h ∮ CD CT CV △P △T CFM CU DDC	-ACCESS PANEL -BOTTOM OF PIPE -BRAKE HORSEPOWER -BRITISH THERMAL UNIT -CENTER LINE -CFM (CUBIC FEET PER MINUTE) -CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME	MOD NC NO NTS OA	-MAXIMUM OVER CURRENT PROTECTION -MOTOR OPERATED CONTROL DAMPER (MOD) -NORMALLY CLOSED	OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST. FOR PROJECT INVOLVING RENOVATION, COORDINATE NEW WORK WITH EXISTING ELEMENTS SUCH AS THE
IT AIR CTRIC	BOP BHP BTU h ∮ CD CT CV △P △T CFM CU DDC	-BOTTOM OF PIPE -BRAKE HORSEPOWER -BRITISH THERMAL UNIT -CENTER LINE -CFM (CUBIC FEET PER MINUTE) -CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME	NC NO NTS OA	-MOTOR OPERATED CONTROL DAMPER (MOD) -NORMALLY CLOSED	
IT AIR CTRIC	BHP BTU h CD CT CV △P △T CFM CU DDC	-BRAKE HORSEPOWER -BRITISH THERMAL UNIT -CENTER LINE -CFM (CUBIC FEET PER MINUTE) -CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME	NO NTS OA		
IT AIR CTRIC	BTU h € CD CT CV △P △T CFM CU DDC	-BRITISH THERMAL UNIT -CENTER LINE -CFM (CUBIC FEET PER MINUTE) -CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME	NTS OA	-NORMALLY OPEN	ELECTRICAL CONDUIT.
CTRIC	h ∮ CD CT CV △P △T CFM CU DDC	-CENTER LINE -CFM (CUBIC FEET PER MINUTE) -CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME	OA		3. DUCT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE
CTRIC	∮ CD CT CV △P △T CFM CU DDC	-CFM (CUBIC FEET PER MINUTE) -CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME		-NOT TO SCALE	SMACNA HVAC DUCT CONSTRUCTION STANDARD.
CTRIC	CD CT CV ΔP ΔT CFM CU DDC	-CEILING DIFFUSER -COOLING TOWER -CONSTANT AIR VOLUME	<u></u>	-OUTSIDE AIR	4. SEE SPECIFICATIONS FOR GAUGES, THICKNESS, BRACING, REQUIREMENTS, ETC., OF DUCTWORK.
NER	CT CV △P △J CFM CU DDC	-COOLING TOWER -CONSTANT AIR VOLUME			5. PROVIDE AIR TURNING VANES IN ALL 90 DEGREE RECTANGULAR DUCT ELBOWS.
NER	∆P ∆J CFM CU DDC		PRV PRS	-PRESSURE REDUCING VALVE -PRESSURE REDUCING STATION	 DUCT SIZES AND ALL OPENINGS THROUGH BUILDING CONSTRUCTION SHALL SUIT EQUIPMENT FURNISHED.
NER	⊿J CFM CU DDC		PSI	-POUNDS PER SQUARE INCH	
NER	CFM CU DDC	-GHANGE IN FRESSURE	PSIG	-PSI GAUGE	 COORDINATE DIFFUSER, GRILLE AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND EQUIPMENT OF ALL TRADES.
NER	CU DDC	-CHANGE IN TEMPERATURE	PTAC	-PACKAGED TERMINAL AIR CONDITIONER	8. LOCATE THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, AND HUMIDITY SENSORS AT 48"
NER	DDC	-CUBIC FEET PER MINUTE	PVC	-POLYVINYL CHLORIDE PIPE	ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER EQUIPMENT, FURNITURE, AND DOOR SWINGS.
NER		-CONDENSING UNIT	RA	-RETURN AIR	
NER		-DIRECT DIGITAL CONTROLS -DOWN	RHC	-REHEAT COIL	 ALL EQUIPMENT, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROV ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION.
NER	EAT	-ENTERING AIR TEMPERATURE	RHP		10. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.
NER	ESP	-EXTERNAL STATIC PRESSURE	RPM RS/L	-REVOLUTIONS PER MINUTE -REFRIGERANT SUCTION & LIQUID LINES	11. DAMPERS AND INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS SHALL
	EWT	-ENTERING WATER TEMPERATURE	RTU	-ROOFTOP AIR HANDLING UNIT	PAINTED FLAT BLACK.
	FCU	-FAN COIL UNIT	SA	-SUPPLY AIR	12. REFER TO TYPICAL DETAILS FOR PIPING AND INSTALLATION OF EQUIPMENT.
	FD	-FIRE DAMPER	SP	-STATIC PRESSURE	13. ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR
	FF	-FINAL FILTERS	TSP	-TOTAL STATIC PRESSURE	OPERATION, BALANCING OR MAINTENANCE OF ALL MECHANICAL EQUIPMENT.
	FLA	-FULL LOAD AMPS	UNO	-UNLESS NOTED OTHERWISE	14. ALL DUCTWORK AND PIPING IS SHOWN SCHEMATICALLY. PROVIDE ALL TRANSITIONS, TURNING
	FPM	-FEET PER MINUTE	V/PH	-VOLTS/PHASE	VANES, ELBOWS, FITTINGS, ETC., TO ALLOW SMOOTH FLOWS. ALL SPLIT DUCT FITTINGS SHALL TRANSITION TO FULL SIZE OF THE SUM OF BOTH BRANCHES, UPSTREAM OF SPLIT.
	GPM	-GALLONS PER MINUTE	VAV	-VARIABLE AIR VOLUME	15. VERIFY FINISH WITH ARCHITECT PRIOR TO PURCHASING GRILLES, REGISTERS, DIFFUSERS, LOUVE
	KW LAT	-KILOWATT -LEAVING AIR TEMPERATURE	VFD	-VARIABLE FREQUENCY DRIVE	AND OTHER AIR DISTRIBUTION DEVICES.
	LWT	-LEAVING WATER TEMPERATURE			16. PROVIDE FLEXIBLE DUCT CONNECTIONS ON ALL DUCTWORK CONNECTING TO EACH FAN, AIR
					HANDLING UNITS, AND FAN COIL UNITS.
					17. INTERRUPTIONS TO EXISTING SERVICES SHALL BE SCHEDULED FOR TIMES OTHER THAN NORMAL OPERATING HOURS (SUCH AS NIGHTS AND WEEKENDS). SUCH INTERRUPTIONS TO SERVICES SHA
					NOT BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF THE OWNER'S REPRESENTATIVE AND PROPER COORDINATION WITH OTHER TRADES. PRE-WORK SHALL BE PERFORMED TO MAKE THE
					SHUTDOWN PERIOD AS BRIEF AS POSSIBLE.
					18. ALL EQUIPMENT, DUCTWORK, ETC., TO BE REMOVED SHALL REMAIN PROPERTY OF THE OWNER OF
					DISPOSED OF LEGALLY, AS DIRECTED BY OWNER.
					19. MAINTAIN CLEARANCE OF A MINIMUM OF 6" BETWEEN DUCTWORK, PIPING, EQUIPMENT, ETC., AND FIRE RATED AND FIRE/SMOKE RATED PARTITIONS, TO ALLOW FOR INSPECTIONS OF RATED WALLS
					20. DUCT RUNOUTS TO DIFFUSERS SHALL MATCH THE SIZE OF THE DIFFUSER NECK.
					20. DUCT KUNGUTS TO DIFFUSERS SHALL MATCH THE SIZE OF THE DIFFUSER NECK.
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F					
1					
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/N					
				TA 00	
		HVAC EQUIPN	/IEIN I	IAG5	
		TA	G		
		(A 200)		-AIR DISTRIBUTION DEVICE	
			CFM		
					-
		/—AH	U NUMBER		
		· · · · ·			
		AHU-1		-AIR HANDLING UNIT	
		VARIABLE/CONSTAN	AIR VOLUME	TERMINAL UNITS	HVAC DRAWING INDEX
	.				SHEET DESCRIPTION
		VAV - VARIABLE AIR VOLUME	/	LOOR NUMBER	M0.01 MECHANICAL SYMBOLS, LEGEND & NOTES M1.01 MECHANICAL FIRST FLOOR DEMOLITION PLAN
		FPU - FAN POWERED UNIT		ERMINAL NUMBER	M1.02 MECHANICAL SECOND FLOOR DEMOLITION PLAN
			VAV-1-1		M2.01 MECHANICAL FIRST FLOOR PLAN M2.02 MECHANICAL SECOND FLOOR PLAN
					M5.01 MECHANICAL DETAILS
	L				M6.01 MECHANICAL SCHEDULES M7.01 MECHANICAL CONTROLS

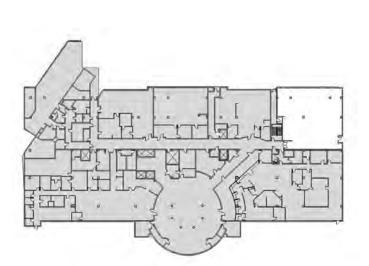




KEYED NOTES # 1 PATCH & REPAIR EXHAUST DUCT & INSULATION 2 DEMOLISH SUPPLY DUCT TO THIS POINT 3 DEMOLISH RETURN DUCT TO THIS POINT 4 EXISTING EXHAUST DUCT TO REMAIN

GENERAL NOTES

- 1. NOT ALL EXISTING SYSTEMS ARE SHOWN, FOR CLARITY.
- 2. EXISTING EQUIPMENT INFORMATION OBTAINED FROM AVAILABLE AS-BUILT DOCUMENTATION.
- 3. CONTRACTOR SHALL VERIFY ALL SYSTEMS AND INFORMATION IN THE FIELD BEFORE SUBMITTING BIDS.



2 1ST FLOOR KEYPLAN N.T.S.

M1.01

SHEET NUMBER

SHEET TITLE MECHANICAL FIRST FLOOR DEMOLITION PLAN

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN **RIVER COUNTY** COURT HOUSE

KEY PLAN

BENNETT K. GARNER, P.E. FLORIDA LICENSE #81104 DRAWING HISTORY
 №.
 DATE
 DESCRIPTION

 1
 01/29/18
 100% CONSTRUCTION

 DOCUMENTS
 DOCUMENTS
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REGISTRATION



791 Park of Commerce BLVD. SUITE 400 BOCA RATON, FL 33487

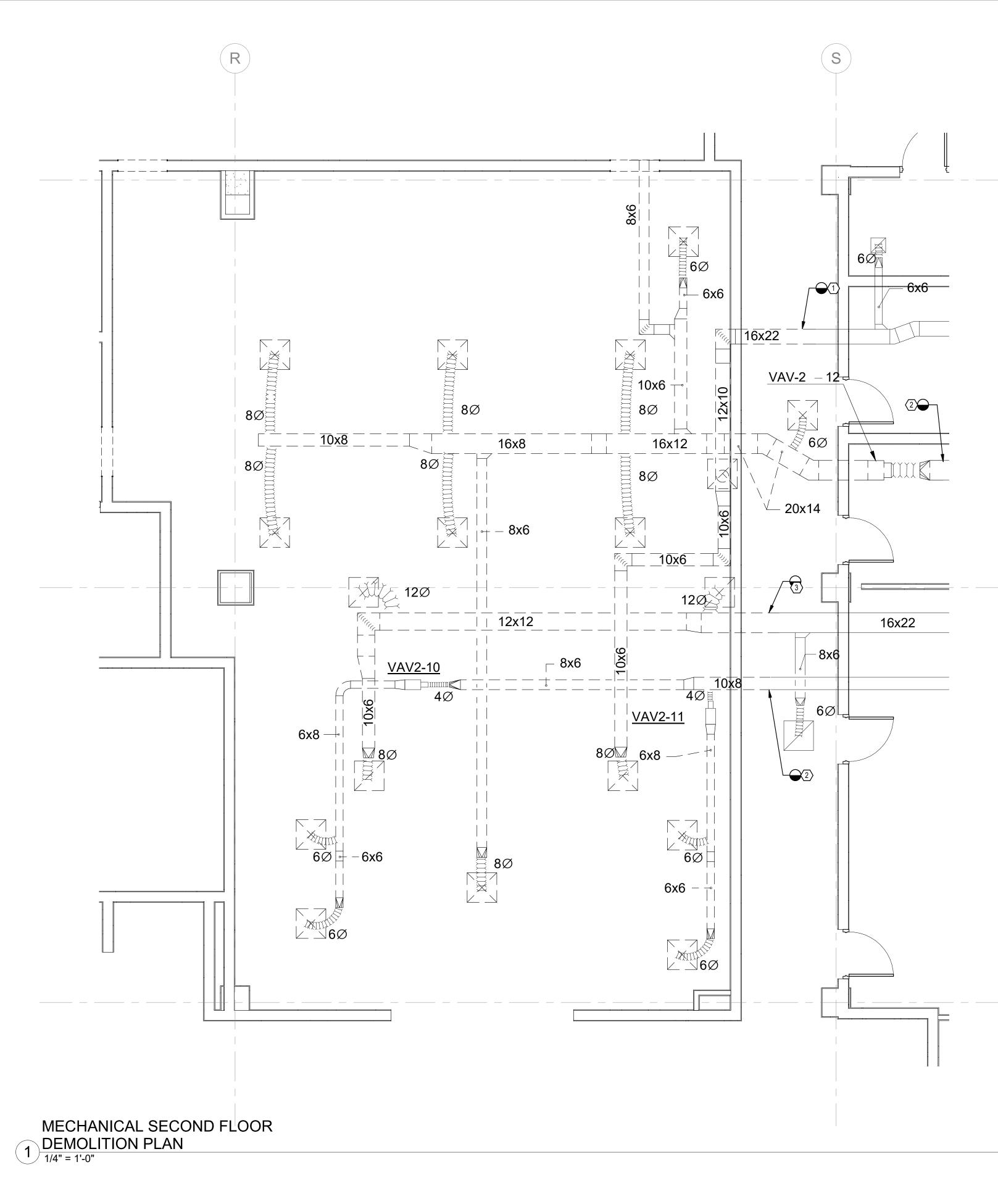




CLIENT

Owner

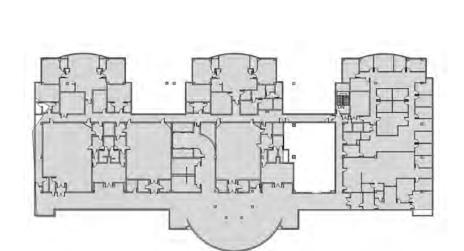
ARCHITECT



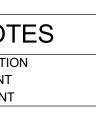
	#	KEYED	NOT
1	CAP EXHAL	IST DUCT & REPAIR IN	SULATIO
2	DEMOLISH	SUPPLY DUCT TO THIS	S POINT
3	DEMOLISH	RETURN DUCT TO THI	S POINT

GENERAL NOTES

- 1. NOT ALL EXISTING SYSTEMS ARE SHOWN, FOR CLARITY.
- 2. EXISTING EQUIPMENT INFORMATION OBTAINED FROM AVAILABLE AS-BUILT DOCUMENTATION.
- 3. CONTRACTOR SHALL VERIFY ALL SYSTEMS AND INFORMATION IN THE FIELD BEFORE SUBMITTING BIDS.



2 2ND FLOOR KEYPLAN 3" = 1'-0"





(11)



10

SHEET TITLE MECHANICAL SECOND FLOOR DEMOLITION PLAN

SHEET NUMBER

M1.02

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

KEY PLAN

BENNETT K. GARNER, P.E. FLORIDA LICENSE #81104
 DRAWING HISTORY

 №.
 DATE
 DESCRIPTION

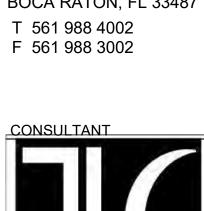
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 01/29/18
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 DOCUMENTS

REGISTRATION

ENGINEERING FOR ARCHITECTURE 874 Dixon Boulevard Cocoa, Florida 32922 PH: 321.636.0274 www.tlc-engineers.com COA 15 TLC Project Number:515063 © Copyright 2017 TLC Engineering for Architecture, Inc.

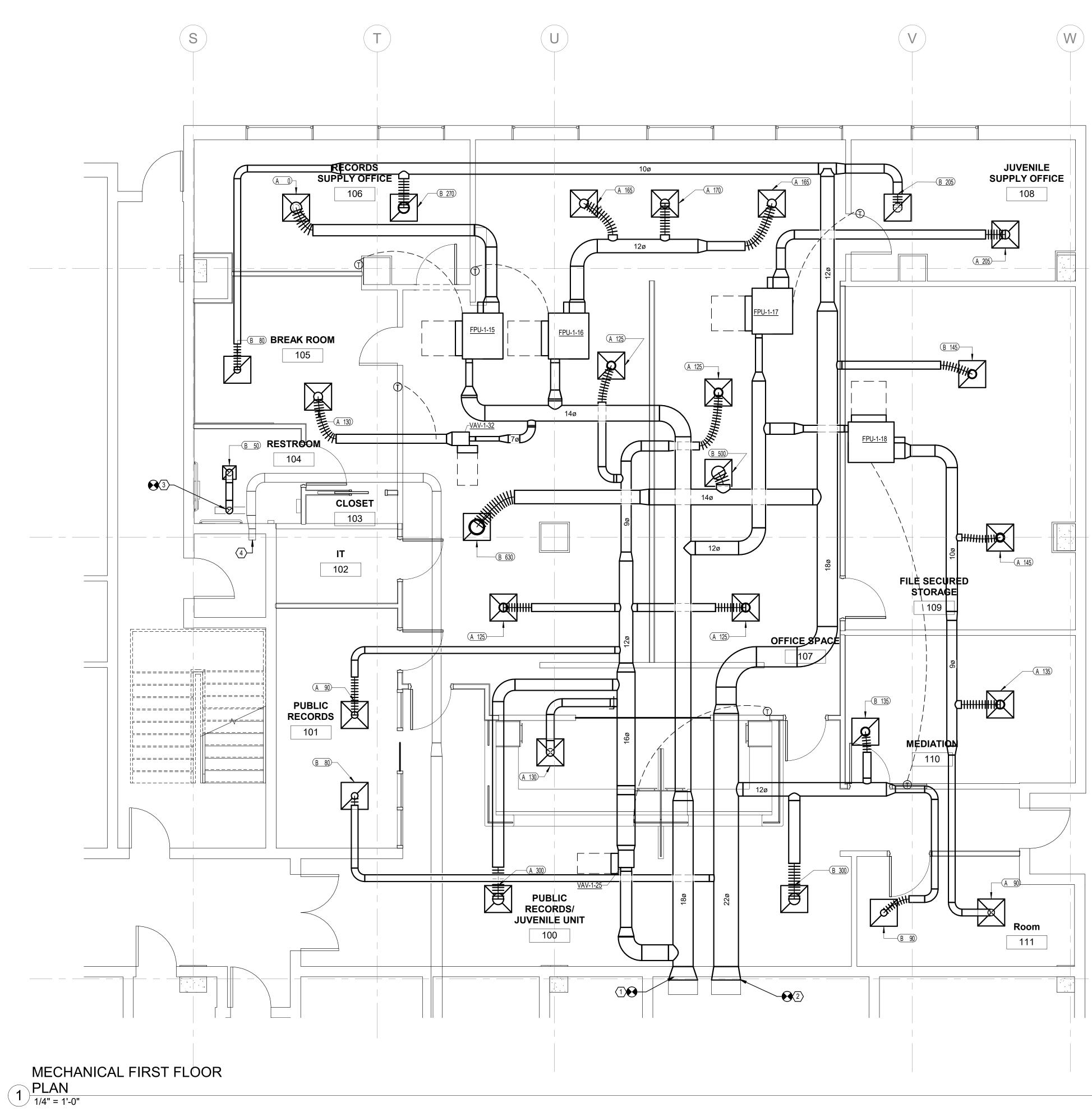
CONSULTANT



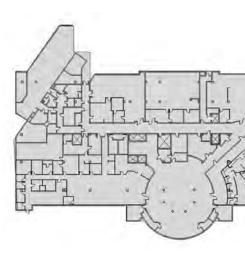
791 Park of Commerce BLVD. SUITE 400 BOCA RATON, FL 33487

Owner ARCHITECT

CLIENT



KEYED NOTES # 1 CONNECT TO EXISTING SUPPLY DUCT AT THIS POINT 2 CONNECT TO EXISTING RETURN DUCT AT THIS POINT 3 CONNECT TO EXISTING EXHAUST DUCT AT THIS POINT 4 REBALANCE EXHAUST SYSTEM TO MAINTAIN PRECONSTRUCTION CFM AT THIS GRILL



2 1ST FLOOR KEY PLAN N.T.S.



PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960 PROJECT NUMBER

PROJECT NAME INTERIOR RENOVATION OF INDIAN **RIVER COUNTY** COURT HOUSE

515063

SHEET TITLE MECHANICAL FIRST FLOOR PLAN

M2.01

SHEET NUMBER

10

9



8

791 Park of Commerce BLVD. SUITE 400 BOCA RATON, FL 33487 T 561 988 4002

F 561 988 3002 CONSULTANT

Owner

CLIENT

ARCHITECT

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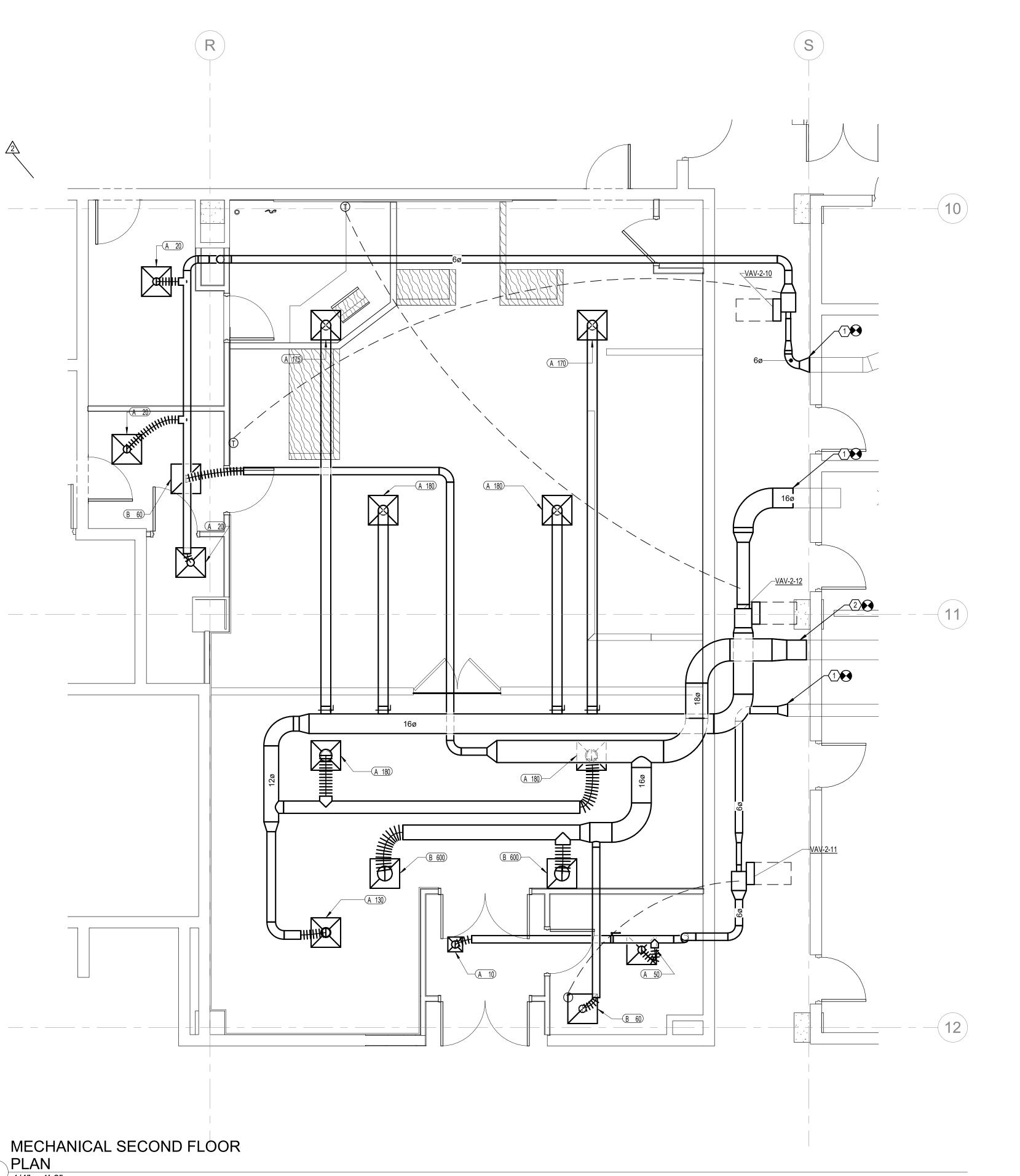
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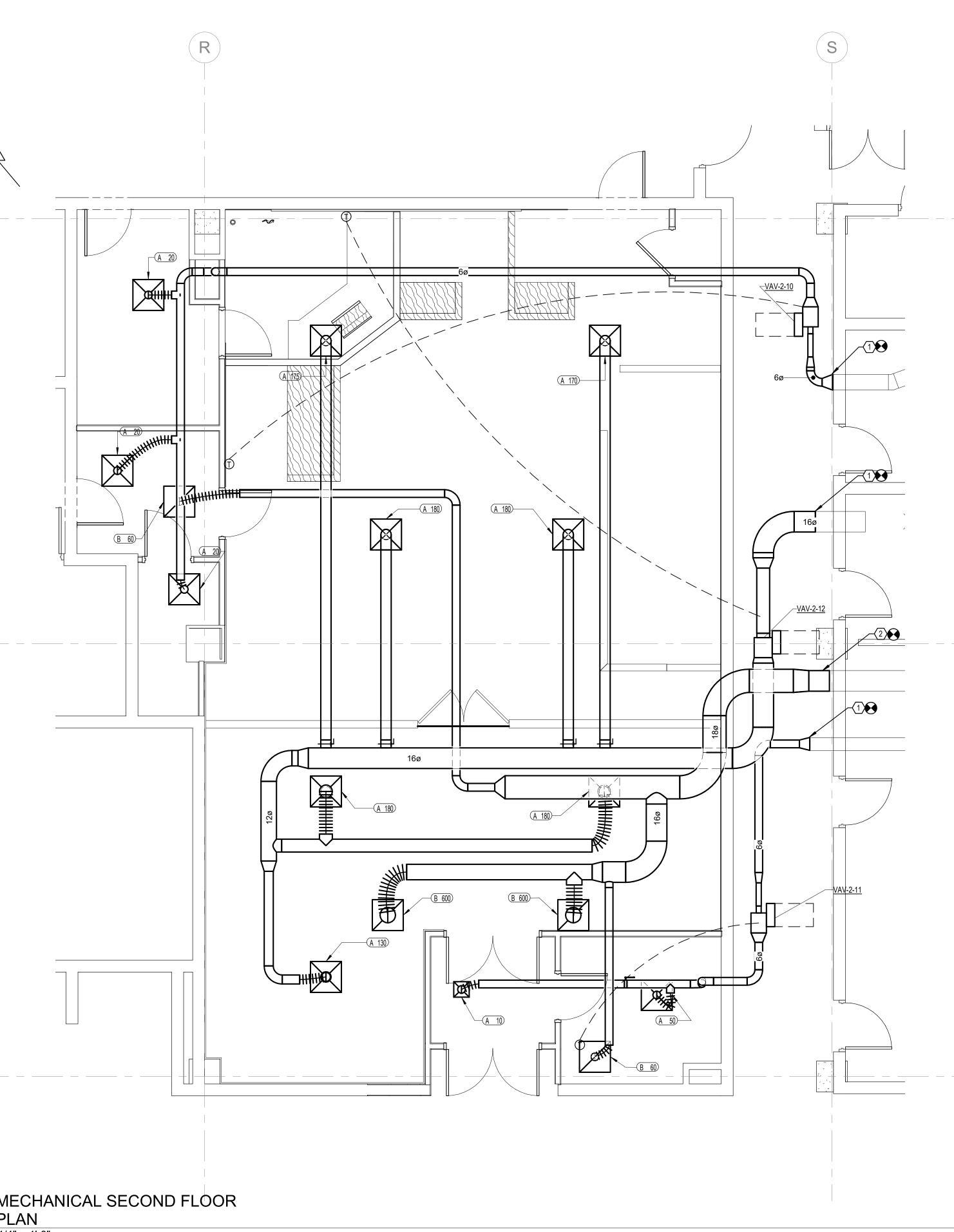
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 100% CONSTRUCTION DOCUMENTS
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BENNETT K. GARNER, P.E. FLORIDA LICENSE #81104

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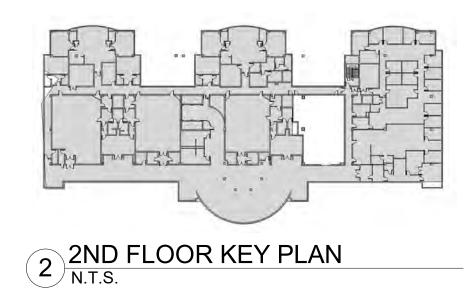
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1 PLAN 1/4" = 1'-0"





M2.02

SHEET NUMBER

SHEET TITLE MECHANICAL SECOND FLOOR PLAN

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

KEY PLAN

	TT K. GARNER, P.E. DA LICENSE #81104
FLURI	DA LICENSE #01104
AWING	HISTORY
DATE	DESCRIPTION
01/29/18	100% CONSTRUCTION DOCUMENTS
05/14/18	BLDG DEPT COMMENTS
	FLORI



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Owner

ARCHITECT

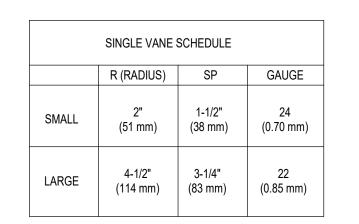
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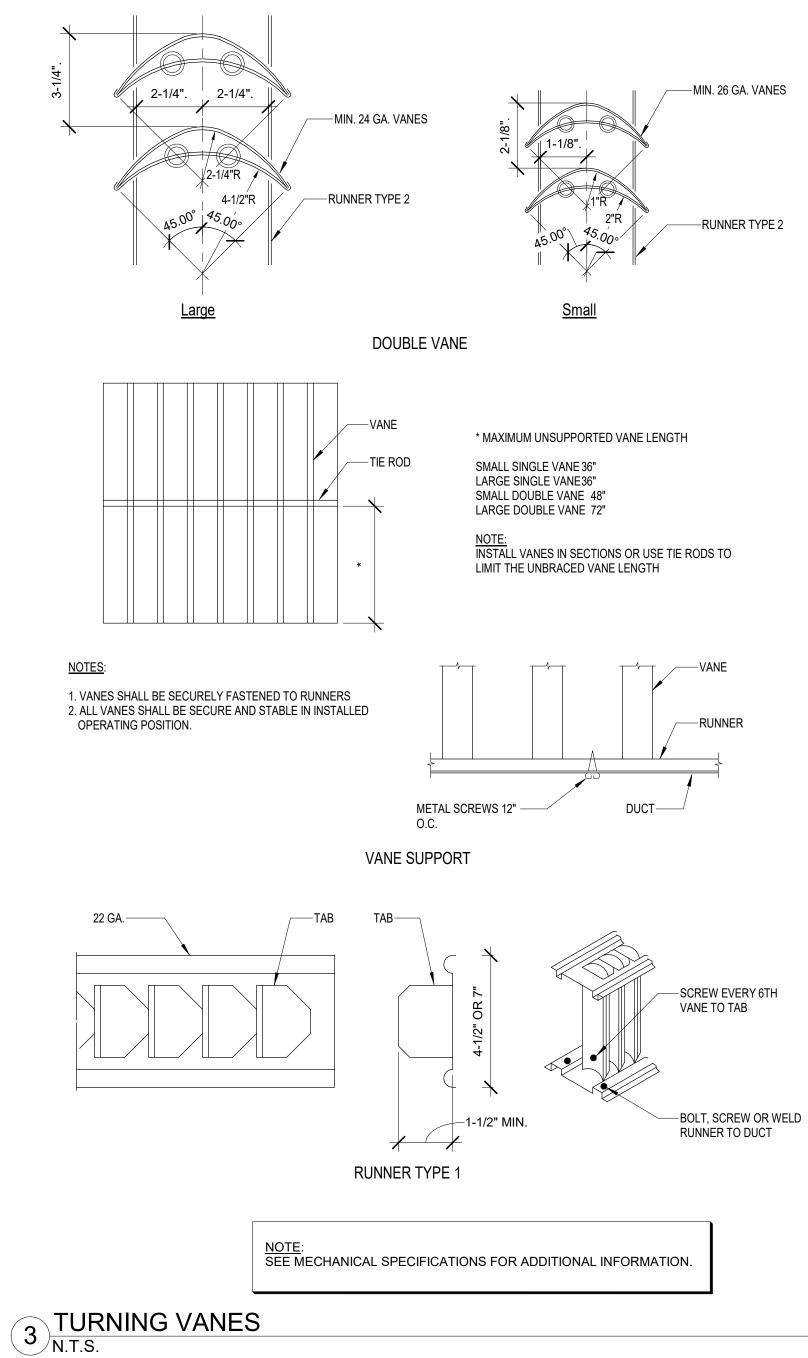
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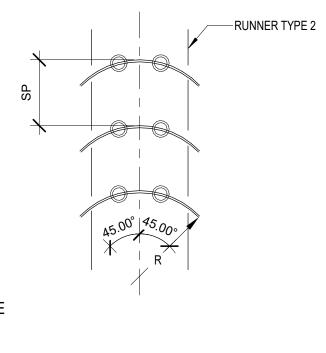
CONSULTANT

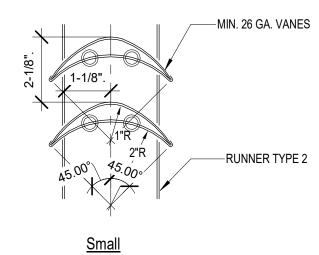
T 561 988 4002 F 561 988 3002

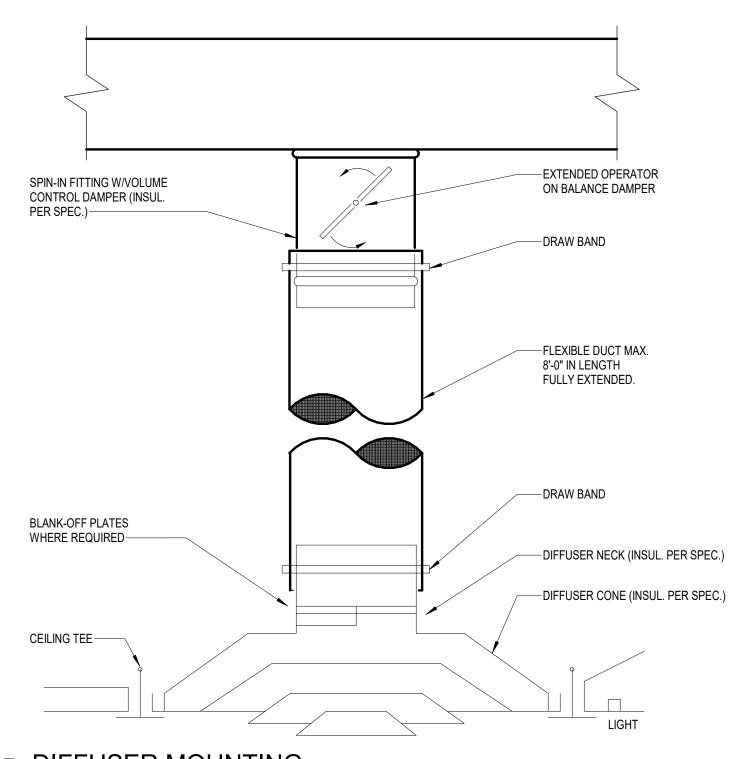


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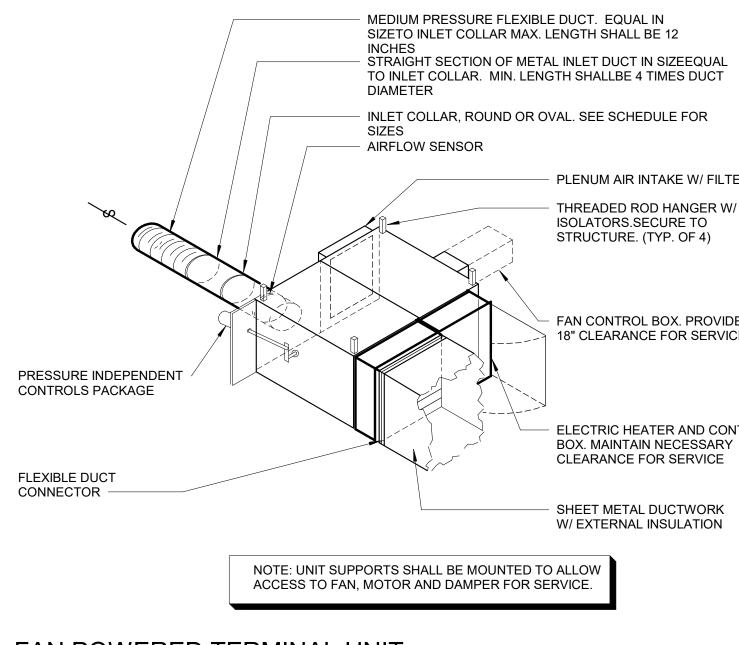




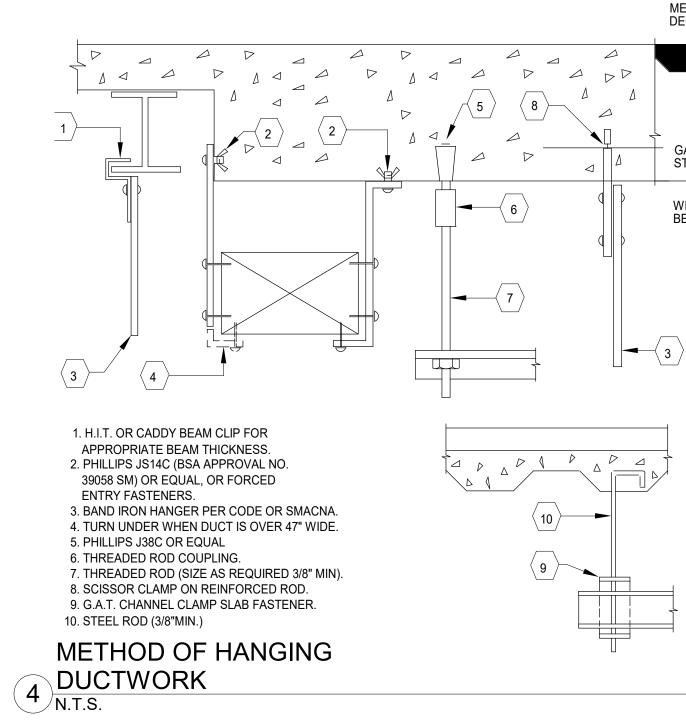














SHEET NUMBER

SHEET TITLE MECHANICAL DETAILS

PROJECT NUMBER 515063

32960

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL

PROJECT NAME INTERIOR RENOVATION OF INDIAN **RIVER COUNTY** COURT HOUSE

METAL DECK

ELECTRIC HEATER AND CONTROL BOX. MAINTAIN NECESSARY

FAN CONTROL BOX. PROVIDE
 18" CLEARANCE FOR SERVICE

THREADED ROD HANGER W/ SPRING

- PLENUM AIR INTAKE W/ FILTER



CONSULTANT

REGISTRATION

791 Park of Commerce SUITE 400 BOCA RATON, FL 33487 T 561 988 4002 F 561 988 3002

ENGINEERING FOR ARCHITECTURE 874 Dixon Boulevard Cocoa, Florida 32922 PH: 321.636.0274

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 DATE
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DRAWING HISTORY

KEY PLAN



Owner

FAN POWERED TERMINAL UNIT SCHEDULE

							FAN		ELEC	TRIC HEAT	ING COIL	
MARK	BASIS OF DESIGN MFR.	MODEL	MAX CFM	MIN CFM	NECK SIZE (IN)	CFM	MOTOR HP	MOTOR V / HZ	KW	HEATING CFM	EAT (°F)	REMARKS
FPU-1-15	TITUS	DTQP	270	80	6	150	1/6	277 / 1	1.5	150	53	
FPU-1-16	TITUS	DTQP	500	150	8	200	1/6	277 / 1	2	200	53	
FPU-1-17	TITUS	DTQP	205	60	6	100	1/6	277 / 1	1.5	150	53	
FPU-1-18	TITUS	DTQP	370	110	6	150	1/6	277 / 1	1.5	150	53	
NOTES											1	

1. PROVIDE SCR HEATER CONTROL WHERE RECOMMENDED BY THE MANUFACTURER

2. DOWNSTREAM STATIC PRESSURE: 0.25 IN-WG 3. PROVIDE DISCONNECT, INDUCED AIR FILTERS, MULTI-SPEED FAN MOTOR

4. HEATER PROVIDE INTERLOCKED DISCONNECT, AIR FLOW SWITCH, THERMAL CUTOUT

5. PROVIDE FACTORY INSTALLED SOUND ATTENUATOR ON UNIT DISCHARGE WHEN DISCHARGE AIR NC EXCEEDS 25

6. COORDINATE INSTALLATION OF ELECTRIC HEAT TO PROVIDE MINIMUM NEC SERVICE CLEARANCE. SHOW SERVICE CLEARANCE ON SHOP DRAWINGS

VAV TERMINAL UNIT SCHEDULE

MARK	BASIS OF DEISNG MFR.	MODEL	MAX CFM	MIN CFM	NECK SIZE	REMARKS	
VAV-1-25	TITUS	DESV	1025	305	10		
VAV-1-32	TITUS	DESV	130	40	4		
VAV-2-10	TITUS	DESV	60	30	4		
VAV-2-11	TITUS	DESV	60	30	4		
NOTES:2-12	TITUS	DESV	1200	300	10		
-	NOTES: 2-12 1100 300 10 1. DOWNSTREAM STATIC PRESSURE: 0.25 IN-WG 300 10 2. PROVIDE FACTORY INSTALLED SOUND ATTENUATOR ON UNIT DISCHARGE WHEN DISCHARGE AIR NC EXCEEDS 25						

2. PROVIDE FACTORY INSTALLED SOUND ATTENUATOR ON UNIT DISCHARGE WHEN DISCHARGE AIR NC EXCEEDS 25 [3. COORDINATE INSTALLATION TO PROVIDE 30" SERVICE CLEARANCE. SHOW SERVICE CLEARANCE ON SHOP DRAWINGS

__REGISTERS, GRILLES AND DIFFUSERS _____ SCHEDULE

SCHEDULE							
TAG	TYPE	MODEL NO.	CFM RANGE	MAX. N.C.	FACE SIZE (IN)	NECK SIZE (IN)	
			0-100	30	24X24	6" DIA	
	SUPPLY		105-175	30	24X24	8" DIA	
	DIFFUSERS	TITUS OMNI	180-275	30	24X24	10" DIA	
(<u>A</u>)			280-400	30	24X24	12" DIA	
			405-535	30	24X24	14" DIA	
			0-100	30	12X12	6" DIA	
	CEILING		105-175	30	24X24	8" DIA	
	RETURN	TITUS 50F	180-275	30	24X24	10" DIA	
B			280-400	30	24X24	12" DIA	
			405-535	30	24X24	14" DIA	
NOTES							

1. TAG SHOWN ON PLANS DENOTES TYPE, NUMBER DENOTES CFM.

2. PROVIDE OPPOSED BLADE VOLUME DAMPERS IN ALL AIR DEVICES IF BRANCH DUCT IS LESS THAN 12" x 12". IF BRANCH DUCT IS 12" x 12" OR GREATER, PROVIDE OPPOSED BLADE VOLUME DAMPER IN BRANCH DUCT.

3. PROVIDE ALL AIR DEVICES WITH FACTORY FURNISHED GASKETS. ALL AIR DEVICES CONSTRUCTED OF STEEL WITH FACTORY APPLIED WHITE PAINTED

FINISH.



SHEET NUMBER

SHEET TITLE MECHANICAL SCHEDULES

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN **RIVER COUNTY** COURT HOUSE

KEY PLAN



REGISTRATION

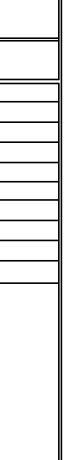


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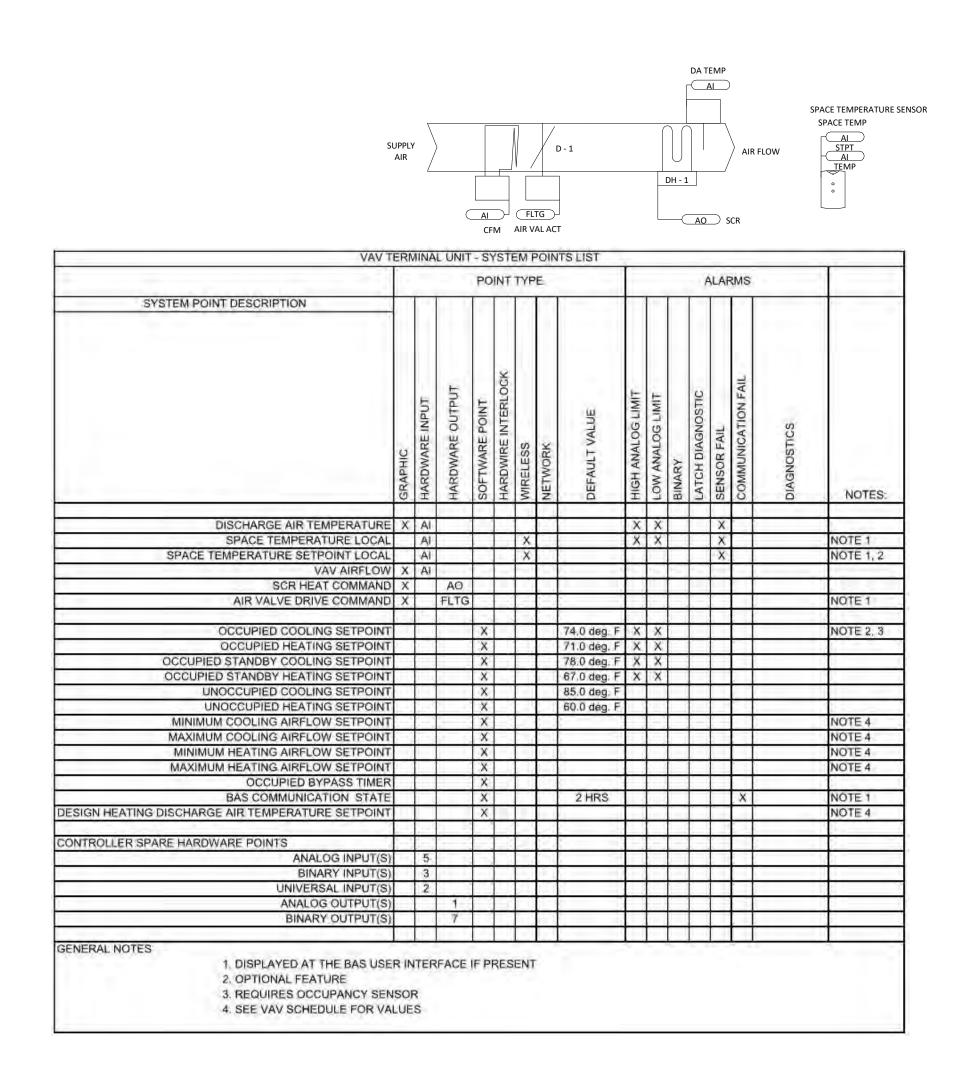


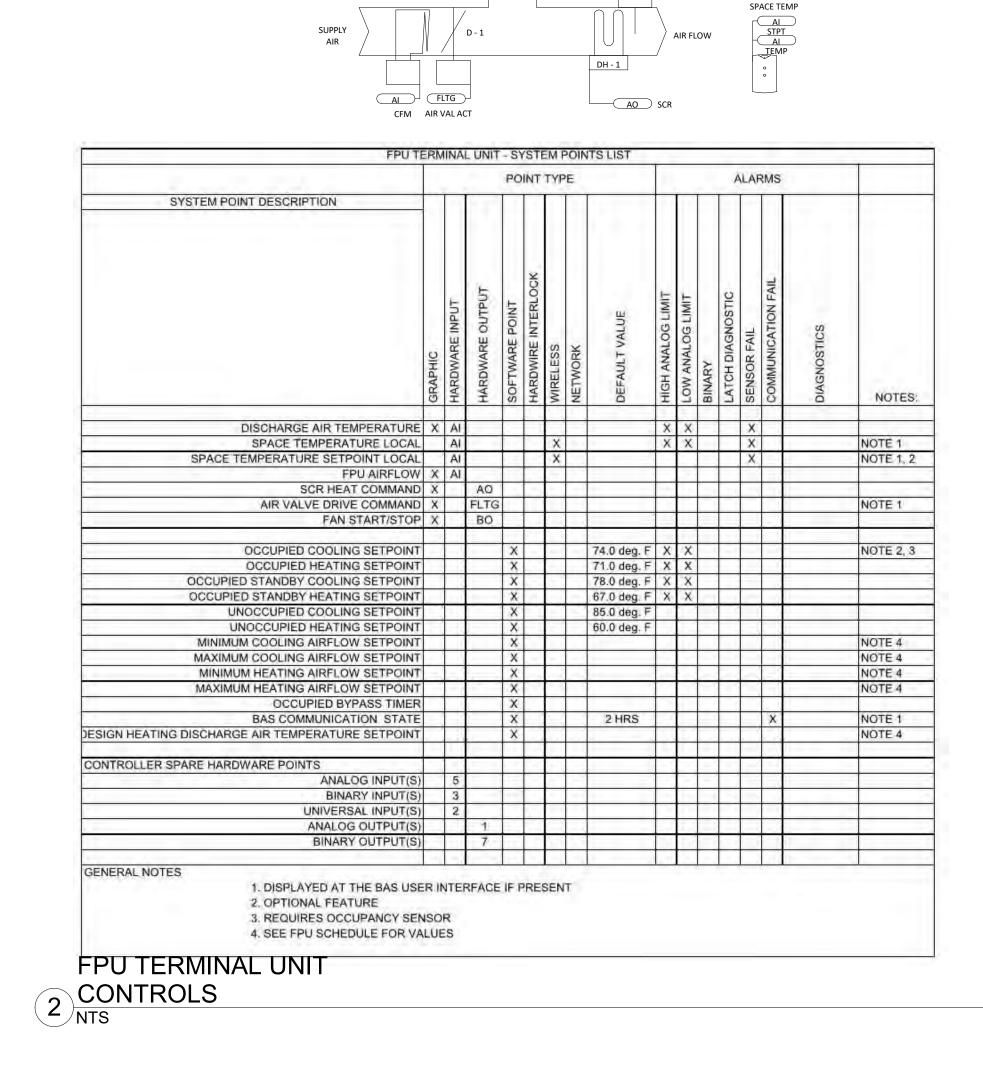


Owner



VAV TERMINAL UNIT





DA TEMP

SPACE TEMPERATURE SENSOR

└ s/s -<u>BO</u>

SEQUENCE OF OPERATIONS

UNOCCUPIED:

BUILDING AUTOMATION SYSTEM INTERFACE: THE BUILDING AUTOMATION SYSTEM (BAS) SHALL SEND THE CONTROLLER OCCUPIED REHEAT WILL ONLY BE ALLOWED WHEN THE PRIMARY AIR TEMPERATURE IS 5.0 DEG. AND UNOCCUPIED COMMANDS. THE BAS MAY ALSO SEND A HEAT/COOL MODE, PRIORITY SHUTDOWN COMMANDS, SPACE TEMPERATURE AND/OR SPACE TEMPERATURE SETPOINT. IF COMMUNICATION IS LOST WITH THE BAS, THE FPU CONTROLLER SHALL OPERATE USING ITS LOCAL SETPOINTS.

OCCUPANCY MODE: THE OCCUPANCY MODE SHALL BE COMMUNICATED OR HARDWIRED TO THE FPU VIA A BINARY INPUT. VALID OCCUPANCY MODES FOR THE FPU SHALL BE: OCCUPIED:

NORMAL OPERATING MODE FOR OCCUPIED SPACES OR DAYTIME OPERATION. WHEN THE UNIT IS IN THE OCCUPIED MODE THE FPU SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE OCCUPIED HEATING OR COOLING SETPOINT. APPLICABLE VENTILATION AND AIRFLOW SETPOINTS SHALL BE ENFORCED. THE OCCUPIED MODE SHALL BE THE DEFAULT MODE OF THE FPU.

NORMAL OPERATING MODE FOR UNOCCUPIED SPACES OR NIGHTTIME OPERATION. WHEN THE UNIT IS IN UNOCCUPIED MODE THE FPU CONTROLLER SHALL MAINTAIN THE SPACE TEMPERATURE AT THE STORED UNOCCUPIED HEATING OR COOLING SETPOINT REGARDLESS OF THE PRESENCE OF A HARDWIRED OR COMMUNICATED SETPOINT. WHEN THE SPACE TEMPERATURE EXCEEDS THE ACTIVE UNOCCUPIED SETPOINT THE FPU SHALL MODULATE FULLY CLOSED.

OCCUPIED BYPASS: MODE USED TO TEMPORARILY PLACE THE UNIT INTO THE OCCUPIED OPERATION. TENANTS SHALL BE ABLE TO OVERRIDE THE UNOCCUPIED MODE FROM THE SPACE IF THERE IS A FAULT WITH THE OPERATION OF THE ZONE SENSOR AN ALARM SHALL SENSOR. THE OVERRIDE SHALL LAST FOR A MAXIMUM OF 4 HOURS (ADJ.). THE TENANTS SHALL BE ABLE TO CANCEL THE OVERRIDE FROM THE SPACE SENSOR AT ANY TIME. DURING THE OVERRIDE THE UNIT SHALL OPERATE IN OCCUPIED MODE.

HEAT/COOL SETPOINT: THE SPACE TEMPERATURE SETPOINT SHALL BE DETERMINED EITHER BY A LOCAL (E.G., THUMBWHEEL) SETPOINT, THE FPU DEFAULT SETPOINT OR A COMMUNICATED VALUE. THE FPU SHALL USE THE LOCALLY STORED DEFAULT SETPOINTS WHEN NEITHER A LOCAL SETPOINT NOR COMMUNICATED SETPOINT IS PRESENT. IF BOTH A LOCAL SETPOINT AND COMMUNICATED SETPOINT EXIST, THE FPU SHALL USE THE COMMUNICATED VALUE. COOLING MODE:

SPACE TEMPERATURE AT THE ACTIVE COOLING SETPOINT BY MODULATING THE AIRFLOW BETWEEN THE ACTIVE COOLING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM COOLING AIRFLOW SETPOINT. BASED ON THE FPU CONTROLLER OCCUPANCY MODE, THE ACTIVE COOLING SETPOINT SHALL BE ONE OF THE FOLLOWING: SETPOINT DEFAULT VALUE

WHEN THE UNIT IS IN COOLING MODE, THE FPU CONTROLLER SHALL MAINTAIN THE

OCCUPIED COOLING SETPOINT 74.0 DEG. F UNOCCUPIED COOLING SETPOINT 85.0 DEG. F OCCUPIED STANDBY COOLING SETPOINT 78.0 DEG. F OCCUPIED MIN COOLING AIRFLOW SETPOINT SEE FPU SCHEDULE OCCUPIED MAX COOLING AIRFLOW SETPOINT SEE FPU SCHEDULE

THE FPU SHALL USE THE MEASURED SPACE TEMPERATURE AND THE ACTIVE COOLING SETPOINT TO DETERMINE THE REQUESTED COOLING CAPACITY OF THE UNIT. THE OUTPUTS WILL BE CONTROLLED BASED ON THE UNIT CONFIGURATION AND THE REQUESTED COOLING CAPACITY.

THE BUILDING AUTOMATION SYSTEM (BAS) SHALL SEND THE CONTROLLER OCCUPIED AND UNOCCUPIED COMMANDS. THE BAS MAY ALSO SEND A HEAT/COOL MODE, PRIORITY SHUTDOWN COMMANDS, SPACE TEMPERATURE AND/OR SPACE TEMPERATURE SETPOINT. IF COMMUNICATION IS LOST WITH THE BAS, THE VAV CONTROLLER SHALL OPERATE USING ITS LOCAL SETPOINTS.

SEQUENCE OF OPERATIONS

OCCUPIED BYPASS:

BUILDING AUTOMATION SYSTEM INTERFACE:

OCCUPANCY MODE: THE OCCUPANCY MODE SHALL BE COMMUNICATED OR HARDWIRED TO THE VAV VIA A BINARY INPUT. VALID OCCUPANCY MODES FOR THE VAV SHALL BE: OCCUPIED:

NORMAL OPERATING MODE FOR OCCUPIED SPACES OR DAYTIME OPERATION. WHEN THE UNIT IS IN THE OCCUPIED MODE THE VAV SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE OCCUPIED HEATING OR COOLING SETPOINT. APPLICABLE VENTILATION AND AIRFLOW SETPOINTS SHALL BE ENFORCED. THE OCCUPIED MODE SHALL BE THE DEFAULT MODE OF THE VAV. UNOCCUPIED:

NORMAL OPERATING MODE FOR UNOCCUPIED SPACES OR NIGHTTIME OPERATION. WHEN THE UNIT IS IN UNOCCUPIED MODE THE VAV CONTROLLER SHALL MAINTAIN THE SPACE TEMPERATURE AT THE STORED UNOCCUPIED HEATING OR COOLING SETPOINT REGARDLESS OF THE PRESENCE OF A HARDWIRED OR COMMUNICATED SETPOINT. WHEN THE SPACE TEMPERATURE EXCEEDS THE ACTIVE UNOCCUPIED SETPOINT THE VAV SHALL MODULATE FULLY CLOSED.

MODE USED TO TEMPORARILY PLACE THE UNIT INTO THE OCCUPIED OPERATION. TENANTS SHALL BE ABLE TO OVERRIDE THE UNOCCUPIED MODE FROM THE SPACE SENSOR. THE OVERRIDE SHALL LAST FOR A MAXIMUM OF 4 HOURS (ADJ.). THE TENANTS SHALL BE ABLE TO CANCEL THE OVERRIDE FROM THE SPACE SENSOR AT ANY TIME. DURING THE OVERRIDE THE UNIT SHALL OPERATE IN OCCUPIED MODE. HEAT/COOL MODE:

THE HEAT/COOL MODE SHALL BE SET BY A COMMUNICATED VALUE OR AUTOMATICALLY BY THE VAV. IN STANDALONE OR AUTO MODE THE VAV SHALL COMPARE THE PRIMARY AIR TEMPERATURE WITH THE CONFIGURED AUTO CHANGEOVER SETPOINT TO DETERMINE IF THE AIR IS "HOT" OR "COLD". HEATING MODE SHALL COMMAND THE VAV TO HEAT ONLY; IT IMPLIES THE PRIMARY AIR TEMPERATURE IS HOT. COOLING MODE SHALL COMMAND THE VAV TO COOL ONLY; IT IMPLIES THE PRIMARY AIR TEMPERATURE IS COLD. COOLING MODE:

WHEN THE UNIT IS IN COOLING MODE. THE VAV CONTROLLER SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE COOLING SETPOINT BY MODULATING THE AIRFLOW BETWEEN THE ACTIVE COOLING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM COOLING AIRFLOW SETPOINT. BASED ON THE VAV CONTROLLER OCCUPANCY MODE, THE ACTIVE COOLING SETPOINT SHALL BE ONE OF THE FOLLOWING:

REHEAT CONTROL: F BELOW THE CONFIGURED REHEAT ENABLE SETPOINT OF 70.0 DEG. F (ADJ.). THE REHEAT SHALL BE ENABLED WHEN THE SPACE TEMPERATURE DROPS BELOW THE ACTIVE HEATING SETPOINT AND THE MINIMUM AIRFLOW REQUIREMENTS ARE MET. DURING REHEAT THE FPU SHALL OPERATE AS FOLLOWS:

SILICON CONTROLLED RECTIFIER (SCR): IF THE SPACE TEMPERATURE IS AT THE HEATING SETPOINT, THE ELECTRIC HEATER SHALL MODULATE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT THE ACTIVE HEATING SETPOINT WHILE THE FPU OPERATES AT ITS HEATING AIRFLOW SETPOINT. IF THE DISCHARGE AIR TEMPERATURE REACHES THE DESIGN HEATING DISCHARGE AIR TEMPERATURE SETPOINT (ADJ.), THE FPU SHALL MODULATE AIRFLOW BETWEEN THE HEATING AIRFLOW SETPOINT AND THE MAXIMUM AIRFLOW SETPOINT AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT THE ACTIVE HEATING SETPOINT, WHILE THE ELECTRIC HEATER MODULATES TO MAINTAIN DISCHARGE AIR TEMPERATURE AT THE DESIGN HEATING DISCHARGE AIR TEMPERATURE SETPOINT. IF THE AIRFLOW REACHES THE MAXIMUM AIRFLOW SETPOINT, THE FPU SHALL MODULATE THE ELECTRIC HEATER AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT THE ACTIVE HEATING SETPOINT, WHILE THE FPU OPERATES AT ITS MAXIMUM AIRFLOW SETPOINT

FAN CONTROL: THE FAN SHALL RUN WHENEVER THE FPU CONTROLLER CALLS FOR HEAT. THE FAN SHALL RUN FOR A MINIMUM USER DEFINABLE TIME (ADJ.). IF THE AHU IS NOT RUNNING, THE FPU SHALL MODULATE CLOSED TO PREVENT THE UNIT FAN FROM BLOWING AIR BACK INTO THE SUPPLY DUCT.

SPACE SENSOR FAILURE: BE ANNUNCIATED AT THE BAS. SPACE SENSOR FAILURE SHALL CAUSE THE FPU TO DRIVE THE DAMPER TO MINIMUM AIR FLOW IF THE FPU IS IN THE OCCUPIED MODE, OR DRIVE IT CLOSED IF THE FPU IS IN THE UNOCCUPIED MODE.

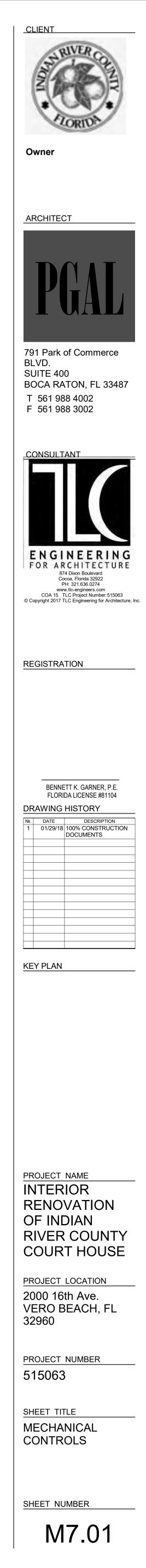
SETPOINT DEFAULT VALUE OCCUPIED COOLING SETPOINT 74.0 DEG. F UNOCCUPIED COOLING SETPOINT 85.0 DEG. F

OCCUPIED STANDBY COOLING SETPOINT 78.0 DEG. F OCCUPIED MIN COOLING AIRFLOW SETPOINT SEE VAV SCHEDULE OCCUPIED MAX COOLING AIRFLOW SETPOINT SEE VAV SCHEDULE THE VAV SHALL USE THE MEASURED SPACE TEMPERATURE AND THE ACTIVE COOLING SETPOINT TO DETERMINE THE REQUESTED COOLING CAPACITY OF THE UNIT. THE OUTPUTS WILL BE CONTROLLED BASED ON THE UNIT CONFIGURATION AND THE REQUESTED COOLING CAPACITY.

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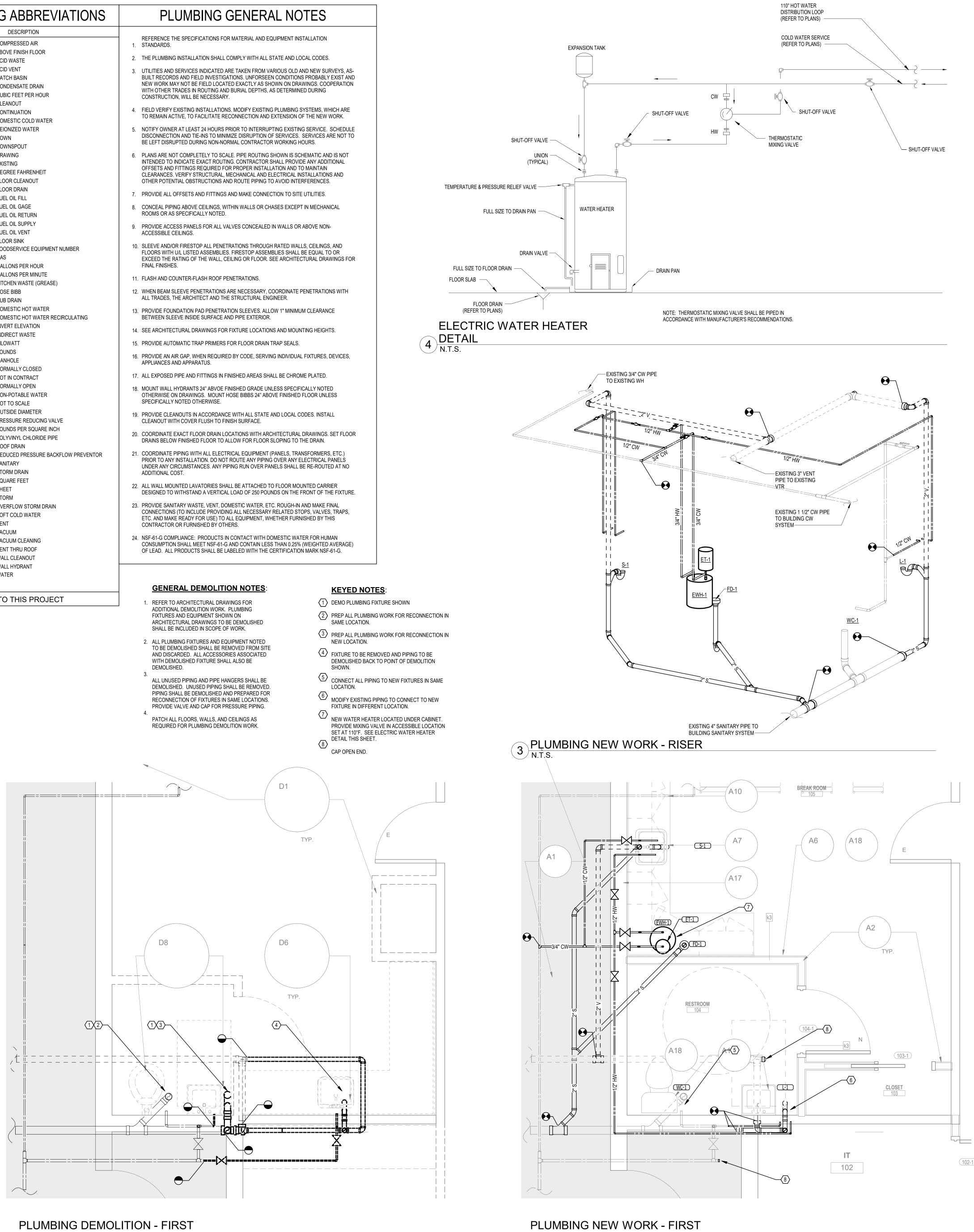
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HEATING SETPOINT, WHILE THE VAV OPERATES AT ITS MAXIMUM AIRFLOW SETPOINT

			ATIONS		I EQUIDINO		LEGEND
1.00 - <u>GENERAL</u>	PROVISIONS				SYMBOL		DESCRIPTION
	DE ALL LABOR, MATERIAL AI BING SYSTEM.	ND EQUIPMENT FOR A COMPL	ETE AND PROPERLY OPER	ATING	CD		UND CONDENSATE DRA DUND CONDENSATE DRA
		JMBING WORK SHALL BE IN ST L LOCAL CODES HAVING JURI		HE 2010	CW	- DOMESTIC C - DOMESTIC H	
CONTR	RACTOR SHALL SECURE ANI	ONE IN A NEAT AND WORKMA D PAY FOR ALL PERMITS AND		RTHE	HWR	- DOMESTIC H	IOT WATER RETURN
	ITION OF THIS WORK. RACTOR SHALL COORDINAT	E HIS WORK WITH ALL OTHER	TRADES BEFORE FABRICA	TION OR	s = V	- SANITARY W - SANITARY VI	
COST.		TRANSITIONS REQUIRED SHA RDINATE AND INSTALL HIS WC			STST		UND STORM DRAIN DUND STORM DRAIN
	ACTOR SHALL BE RESPON	SIBLE TO REPAIR OR REPLACE	E DAMAGED EQUIPMENT AN	ND/OR	STO		STORM DRAIN
1.6 PROVII	DE ALL MATERIALS REQUIR	ED TO PROPERLY SUPPORT A			(EXIST)	- EXISTING PI	PE DR WALL HYDRANT
PLUMB		TTPE AND BE SPACED IN ACC TIC COATED RING ON HANGE		PROVIDE	<u>00</u> 1⊢	- CLEAN OUT - WALL CLEAN	
BRASS	WARE AND STEEL. DO NOT	FLANGES BETWEEN COPPER		TWEEN	<u>co</u>	- FLOOR CLEA	AN OUT
	DE REDUCING FITTINGS (RE	DUCING BUSHINGS SHALL NO	T BE USED) WHERE CHANG	GES IN PIPE	FD ØC FD ØC	- FLOOR DRAI - SHUT-OFF V	N ALVE IN VALVE BOX
-	ONTRACTOR SHALL SUPPLY	Y AND INSTALL ALL SERVICES		-		- SHUTOFF VA - BALL VALVE	
SHALL		TIES APPROXIMATELY 5'-0" OL JRES, FITTINGS, VALVING AND			<u> </u>	- CALIBRATED) BALANCING VALVE /F (SWING)
SEE AF	RCHITECTURAL DRAWINGS	FOR FIXTURE LOCATIONS ANE	D MOUNTING HEIGHTS.			- PRESSURE F	REDUCING VALVE
	TERIALS AND METHODS	ND WATER PIPE AND FITTINGS					PERATED VALVE RESSURE BACKFLOW P
2.2 PROVI	DE UNIONS OR FLANGES IN	ALL DOMESTIC WATER SERVI	CE LINES AT EACH PIECE C		k	- RELIEF OR S - GAS COCK	SAFETY VALVE
2.3 WATER	R HAMMER ARRESTORS SHA	OR AT OTHER LOCATIONS REC	CATIONS ON THE PLANS AN	D IN	Å	- GAS PRESSI	
BY PRE	ECISION PLUMBING PRODU					- CONNECTIO	
2.5 PROVI	DE PRESSURE REDUCING V	DLATE EACH RISER, BRANCH L 'ALVE AND AIR GAP CONNECTI				- CONNECTIO - ELBOW, TUF	
2.6 PROVI		T COFFEE MAKER AND ICE MA	KER TO REMOVE MATERIA	_S, TASTE	O O	- ELBOW, TUR - TEE, TURNE	
AND O SANITA	DOR - "EVERPURE OR "SYS ARY WASTE - UNDERGROUN	TEMS IV". ID - SCH 40 PVC DWV.			;	- TEE, TURNE - CAP	
	RON SOIL PIPE AND FITTING	E), SANITARY VENT AND STOF SS PER CISPI 301 WITH HEAVY			L	- CAP - DIRECTION (DF FLOW
SANITA		NG (FORCE MAIN ABOVE CEILI IE B16.23.	INGS) - DWV COPPER TUBE	ASTM B 306,		- CONNECT TO - DEMO TO	0
CONDE	ENSATE PIPING - DWV COPP IEAVY DUTY SHIELDED STAI	PER OR NO-HUB CAST IRON SO INLESS STEEL COUPLINGS.	DIL PIPE AND FITTINGS PER	CISPI 301	DETAIL No.	- DETAIL REFE	ERENCE
INSTAL	MALLER THAT 3". VERIFY IN	AT 1/8" PER FOOT FOR PIPE 3" . IVERT ELEVATION WITH EXIST			P2.01 SHEET No. SHOWN ON		
PROVI	DE AND PROPERLY LOCATE	E HANGERS TO ADEQUATELY S FRACTION. DO NOT HANG PIPI			$\underline{1}$	- REVISION RE	EFERENCE
PROVII		I VALVE, STRAINER, AND OTHE					
SUPPC	RTED. FOR INSULATED PIP	INSULATED PIPES SHALL BE S PING, THE SIZE OF THE HANGE					
	PLUS THE INSULATION AND I	INSULATION SHIELD. IS AS INDICATED IN THE FOLLO	OWING TABLE.				
SFAGI							
SFACI	НО	RIZONTAL PIPE HANGER SCHE	EDULE				
SFACI	HO	PIPE SIZE	HANGER SPACING		NOTE: SOME	SYMBOLS SH	OWN ON THIS I
SFACI					NOTE: SOME	SYMBOLS SH	OWN ON THIS
3FAUI		PIPE SIZE UNDER 1 INCH 1 TO 2 INCHES 2 1/2 TO 4 INCHES UP TO 1 1/4 INCH	HANGER SPACING 6 FOOT CENTERS 8 FOOT CENTERS 10 FOOT CENTERS 6 FOOT CENTERS		NOTE: SOME	SYMBOLS SH	OWN ON THIS I
SFACI	MATERIAL	PIPE SIZE UNDER 1 INCH 1 TO 2 INCHES 2 1/2 TO 4 INCHES	HANGER SPACING 6 FOOT CENTERS 8 FOOT CENTERS 10 FOOT CENTERS		NOTE: SOME	SYMBOLS SH	OWN ON THIS I
	MATERIAL COPPER TUBING	PIPE SIZE UNDER 1 INCH 1 TO 2 INCHES 2 1/2 TO 4 INCHES UP TO 1 1/4 INCH 1 1/2 INCH AND ABOVE	HANGER SPACING 6 FOOT CENTERS 8 FOOT CENTERS 10 FOOT CENTERS 6 FOOT CENTERS 10 FOOT CENTERS		NOTE: SOME	SYMBOLS SH	OWN ON THIS I
3.00 - <u>PLUMBIN(</u> 3.1 ALL PL	MATERIAL COPPER TUBING CAST IRON PIPE G FIXTURES AND TRIM UMBING FIXTURES SHALL B	PIPE SIZE UNDER 1 INCH 1 TO 2 INCHES 2 1/2 TO 4 INCHES UP TO 1 1/4 INCH 1 1/2 INCH AND ABOVE	HANGER SPACING 6 FOOT CENTERS 8 FOOT CENTERS 10 FOOT CENTERS 6 FOOT CENTERS 5 FOOT CENTERS 5 FOOT CENTERS	/ERCIAL	NOTE: SOME	SYMBOLS SH	OWN ON THIS I
3.00 - <u>PLUMBIN</u> 3.1 ALL PL STAND 3.2 ALL FIX FIXTUF	MATERIAL COPPER TUBING CAST IRON PIPE G FIXTURES AND TRIM UMBING FIXTURES SHALL B VARD CS77-28 AS PROMULG/ CTURES ARE TO BE WHITE V RES AND FITTINGS PROPOSI	PIPE SIZE UNDER 1 INCH 1 TO 2 INCHES 2 1/2 TO 4 INCHES UP TO 1 1/4 INCH 1 1/2 INCH AND ABOVE ALL E "FIRST QUALITY" AS DEFINEI ATED BY THE U.S. DEPARTMEI /ITREOUS CHINA UNLESS OTH ED SHALL BE FROM ONE MAN	HANGER SPACING 6 FOOT CENTERS 8 FOOT CENTERS 10 FOOT CENTERS 6 FOOT CENTERS 10 FOOT CENTERS 5 FOOT CENTERS 5 FOOT CENTERS D AND SET FORTH IN COMM NT OF COMMERCE. ERWISE SPECIFICALLY NO UFACTURER AND OF SIMIL/	TED. AR	NOTE: SOME	SYMBOLS SH	OWN ON THIS I
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 3.00 - <u>PLUMBING</u> 3.1 ALL PL STAND 3.2 ALL FIX FIXTUF 3.3 PROVII CONST 3.4 PROVII REFER 3.5 FLOOR PURPC 3.6 ALL CC 	MATERIAL COPPER TUBING CAST IRON PIPE CAST	PIPE SIZE UNDER 1 INCH 1 TO 2 INCHES 2 1/2 TO 4 INCHES UP TO 1 1/4 INCH 1 1/2 INCH AND ABOVE ALL	HANGER SPACING 6 FOOT CENTERS 8 FOOT CENTERS 10 FOOT CENTERS 10 FOOT CENTERS 5 FOOT CENTERS 5 FOOT CENTERS 5 FOOT CENTERS D AND SET FORTH IN COMM NT OF COMMERCE. ERWISE SPECIFICALLY NO' UFACTURER AND OF SIMIL/ IDLES, ETC., ON THE DIFFEN MANUFACTURER AND/OR ABOVE NON-ACCESSIBLE C	TED. AR RENT EILINGS. HAT	NOTE: SOME	SYMBOLS SHO	OWN ON THIS I
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ND	PLUMBING ABBREVIATIONS	PLUMBING GENERAL NO	OTES
	SYMBOL DESCRIPTION	REFERENCE THE SPECIFICATIONS FOR MATERIAL AND EQUIPMENT II	
TE DRAIN	CA - COMPRESSED AIR AFF - ABOVE FINISH FLOOR	1. STANDARDS.	
TE DRAIN	AW - ACID WASTE	2. THE PLUMBING INSTALLATION SHALL COMPLY WITH ALL STATE AND I	LOCAL CODES.
	AV - ACID VENT	3. UTILITIES AND SERVICES INDICATED ARE TAKEN FROM VARIOUS OLD	
	CB - CATCH BASIN CD - CONDENSATE DRAIN	BUILT RECORDS AND FIELD INVESTIGATIONS. UNFORSEEN CONDITIC NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON DF	-
RN	CFH - CUBIC FEET PER HOUR	WITH OTHER TRADES IN ROUTING AND BURIAL DEPTHS, AS DETERMI CONSTRUCTION, WILL BE NECESSARY.	INED DURING
	CO - CLEANOUT		
	CONT - CONTINUATION CW - DOMESTIC COLD WATER	4. FIELD VERIFY EXISTING INSTALLATIONS. MODIFY EXISTING PLUMBING TO REMAIN ACTIVE, TO FACILITATE RECONNECTION AND EXTENSION	,
IN	DI - DEIONIZED WATER	5. NOTIFY OWNER AT LEAST 24 HOURS PRIOR TO INTERRUPTING EXIST	ING SERVICE. SCHEDULE
AIN	DN - DOWN	DISCONNECTION AND TIE-INS TO MINIMIZE DISRUPTION OF SERVICES BE LEFT DISRUPTED DURING NON-NORMAL CONTRACTOR WORKING	
	DS - DOWNSPOUT DWG - DRAWING	6. PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS S	
	EXIST - EXISTING	INTENDED TO INDICATE EXACT ROUTING. CONTRACTOR SHALL PROV	/IDE ANY ADDITIONAL
IT	°F - DEGREE FAHRENHEIT	OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND CLEARANCES. VERIFY STRUCTURAL, MECHANICAL AND ELECTRICAL	
	FCO - FLOOR CLEANOUT FD - FLOOR DRAIN	OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INT	FERFERENCES.
	FD - FLOOR DRAIN FOF - FUEL OIL FILL	7. PROVIDE ALL OFFSETS AND FITTINGS AND MAKE CONNECTION TO SI	TE UTILITIES.
	FOG - FUEL OIL GAGE	8. CONCEAL PIPING ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCE	PT IN MECHANICAL
	FOR - FUEL OIL RETURN	ROOMS OR AS SPECIFICALLY NOTED.	
X	FOS - FUEL OIL SUPPLY FOV - FUEL OIL VENT	 PROVIDE ACCESS PANELS FOR ALL VALVES CONCEALED IN WALLS C ACCESSIBLE CEILINGS. 	OR ABOVE NON-
	FS - FLOOR SINK		
	FSE# - FOODSERVICE EQUIPMENT NUMBER	10. SLEEVE AND/OR FIRESTOP ALL PENETRATIONS THROUGH RATED WA FLOORS WITH U/L LISTED ASSEMBLIES. FIRESTOP ASSEMBLIES SHAL	L BE EQUAL TO OR
VE	G - GAS GPH - GALLONS PER HOUR	EXCEED THE RATING OF THE WALL, CEILING OR FLOOR. SEE ARCHIT FINAL FINISHES.	ECTURAL DRAWINGS FOR
	GPM - GALLONS PER MINUTE	11. FLASH AND COUNTER-FLASH ROOF PENETRATIONS.	
	GR - KITCHEN WASTE (GREASE)		
LOW PREVENTER	HB - HOSE BIBB HD - HUB DRAIN	12. WHEN BEAM SLEEVE PENETRATIONS ARE NECESSARY, COORDINATE ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER.	E PENETRATIONS WITH
	HW - DOMESTIC HOT WATER	13. PROVIDE FOUNDATION PAD PENETRATION SLEEVES. ALLOW 1" MININ	
	HWR - DOMESTIC HOT WATER RECIRCULATING	BETWEEN SLEEVE INSIDE SURFACE AND PIPE EXTERIOR.	
	IE - INVERT ELEVATION IW - INDIRECT WASTE	14. SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOL	JNTING HEIGHTS.
	KW - KILOWATT	15. PROVIDE AUTOMATIC TRAP PRIMERS FOR FLOOR DRAIN TRAP SEALS	З.
	LBS - POUNDS	16. PROVIDE AN AIR GAP, WHEN REQUIRED BY CODE, SERVING INDIVIDU	IAL FIXTURES, DEVICES,
	MH - MANHOLE NC - NORMALLY CLOSED	APPLIANCES AND APPARATUS.	
	NC - NOT IN CONTRACT	17. ALL EXPOSED PIPE AND FITTINGS IN FINISHED AREAS SHALL BE CHR	OME PLATED.
	NO - NORMALLY OPEN	18. MOUNT WALL HYDRANTS 24" ABVOE FINISHED GRADE UNLESS SPEC	IFICALLY NOTED
	NP - NON-POTABLE WATER NTS - NOT TO SCALE	OTHERWISE ON DRAWINGS. MOUNT HOSE BIBBS 24" ABOVE FINISHE SPECIFICALLY NOTED OTHERWISE.	D FLOOR UNLESS
	NTS - NOT TO SCALE OD - OUTSIDE DIAMETER		
	PRV - PRESSURE REDUCING VALVE	19. PROVIDE CLEANOUTS IN ACCORDANCE WITH ALL STATE AND LOCAL CLEANOUT WITH COVER FLUSH TO FINISH SURFACE.	CODES. INSTALL
	PSI - POUNDS PER SQUARE INCH	20. COORDINATE EXACT FLOOR DRAIN LOCATIONS WITH ARCHITECTURA	AL DRAWINGS. SET FLOOR
	PVC - POLYVINYL CHLORIDE PIPE RD - ROOF DRAIN	DRAINS BELOW FINISHED FLOOR TO ALLOW FOR FLOOR SLOPING TO	D THE DRAIN.
	RPBP - REDUCED PRESSURE BACKFLOW PREVENTOR	21. COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TR	
	SAN - SANITARY	PRIOR TO ANY INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY UNDER ANY CIRCUMSTANCES. ANY PIPING RUN OVER PANELS SHALI	
	SD - STORM DRAIN SF - SQUARE FEET	ADDITIONAL COST.	
	SH - SHEET	22. ALL WALL MOUNTED LAVATORIES SHALL BE ATTACHED TO FLOOR M DESIGNED TO WITHSTAND A VERTICAL LOAD OF 250 POUNDS ON THE	
	ST - STORM		
	STO - OVERFLOW STORM DRAIN SW - SOFT COLD WATER	23. PROVIDE SANITARY WASTE, VENT, DOMESTIC WATER, ETC. ROUGH-I CONNECTIONS (TO INCLUDE PROVIDING ALL NECESSARY RELATED S	STOPS, VALVES, TRAPS,
	V - VENT	ETC. AND MAKE READY FOR USE) TO ALL EQUIPMENT, WHETHER FUE CONTRACTOR OR FURNISHED BY OTHERS.	KNISHED BY THIS
		24. NSF-61-G COMPLIANCE: PRODUCTS IN CONTACT WITH DOMESTIC W	ATER FOR HUMAN
	VC - VACUUM CLEANING VTR - VENT THRU ROOF	CONSUMPTION SHALL MEET NSF-61-G AND CONTAIN LESS THAN 0.25 OF LEAD. ALL PRODUCTS SHALL BE LABELED WITH THE CERTIFICATI	% (WEIGHTED AVERAGE)
	WCO - WALL CLEANOUT	OF LEAD. ALL PRODUCTS SHALL BE LABELED WITH THE CERTIFICATI	ION MARK NOT-01-G.
	WH - WALL HYDRANT		
	WTR - WATER		
		GENERAL DEMOLITION NOTES	KEYED NOTES:
HIS LEGEND N	MAY NOT PERTAIN TO THIS PROJECT	1. REFER TO ARCHITECTURAL DRAWINGS FOR	(1) DEMO PLUMBING FIXTURE SHOWN
		ADDITIONAL DEMOLITION WORK. PLUMBING FIXTURES AND EQUIPMENT SHOWN ON	$\langle 2 \rangle$ PREP ALL PLUMBING WORK FOR RECO
		ARCHITECTURAL DRAWINGS TO BE DEMOLISHED SHALL BE INCLUDED IN SCOPE OF WORK.	SAME LOCATION.
		2. ALL PLUMBING FIXTURES AND EQUIPMENT NOTED	3 PREP ALL PLUMBING WORK FOR RECONNEW LOCATION.
		TO BE DEMOLISHED SHALL BE REMOVED FROM SITE	4 FIXTURE TO BE REMOVED AND PIPING
		AND DISCARDED. ALL ACCESSORIES ASSOCIATED WITH DEMOLISHED FIXTURE SHALL ALSO BE DEMOLISHED. 3.	DEMOLISHED BACK TO POINT OF DEM SHOWN.
		ALL UNUSED PIPING AND PIPE HANGERS SHALL BE DEMOLISHED. UNUSED PIPING SHALL BE REMOVED.	CONNECT ALL PIPING TO NEW FIXTURI LOCATION.
		PIPING SHALL BE DEMOLISHED AND PREPARED FOR RECONNECTION OF FIXTURES IN SAME LOCATIONS. PROVIDE VALVE AND CAP FOR PRESSURE PIPING.	6 MODIFY EXISTING PIPING TO CONNECT FIXTURE IN DIFFERENT LOCATION.
		4. PATCH ALL FLOORS, WALLS, AND CEILINGS AS	(7) NEW WATER HEATER LOCATED UNDER
		REQUIRED FOR PLUMBING DEMOLITION WORK.	PROVIDE MIXING VALVE IN ACCESSIBL SET AT 110°F. SEE ELECTRIC WATER H DETAIL THIS SHEET.
			CAP OPEN END.
			N



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

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

(102-1)



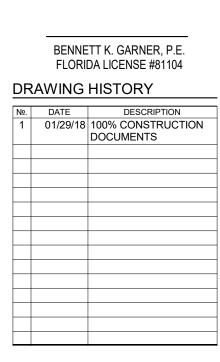
SHEET TITLE PLUMBING LEGEND AND FLOOR PLANS

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

KEY PLAN



REGISTRATION



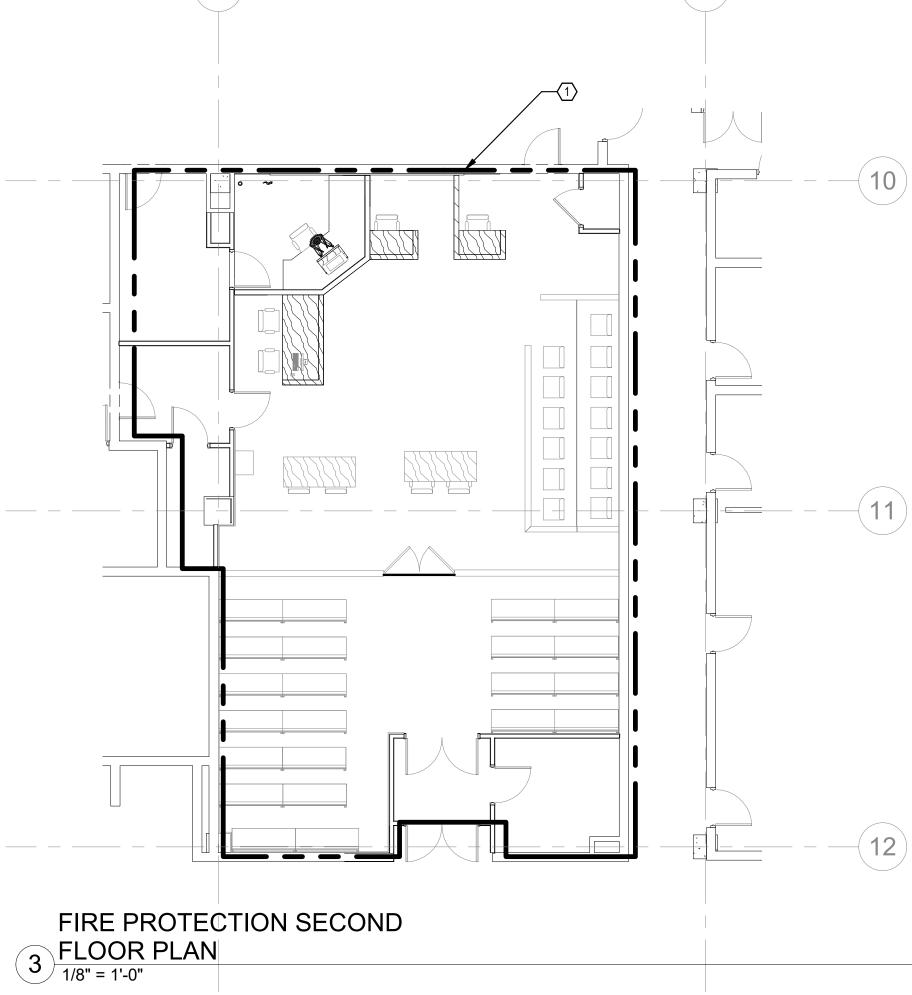
791 Park of Commerce BLVD.

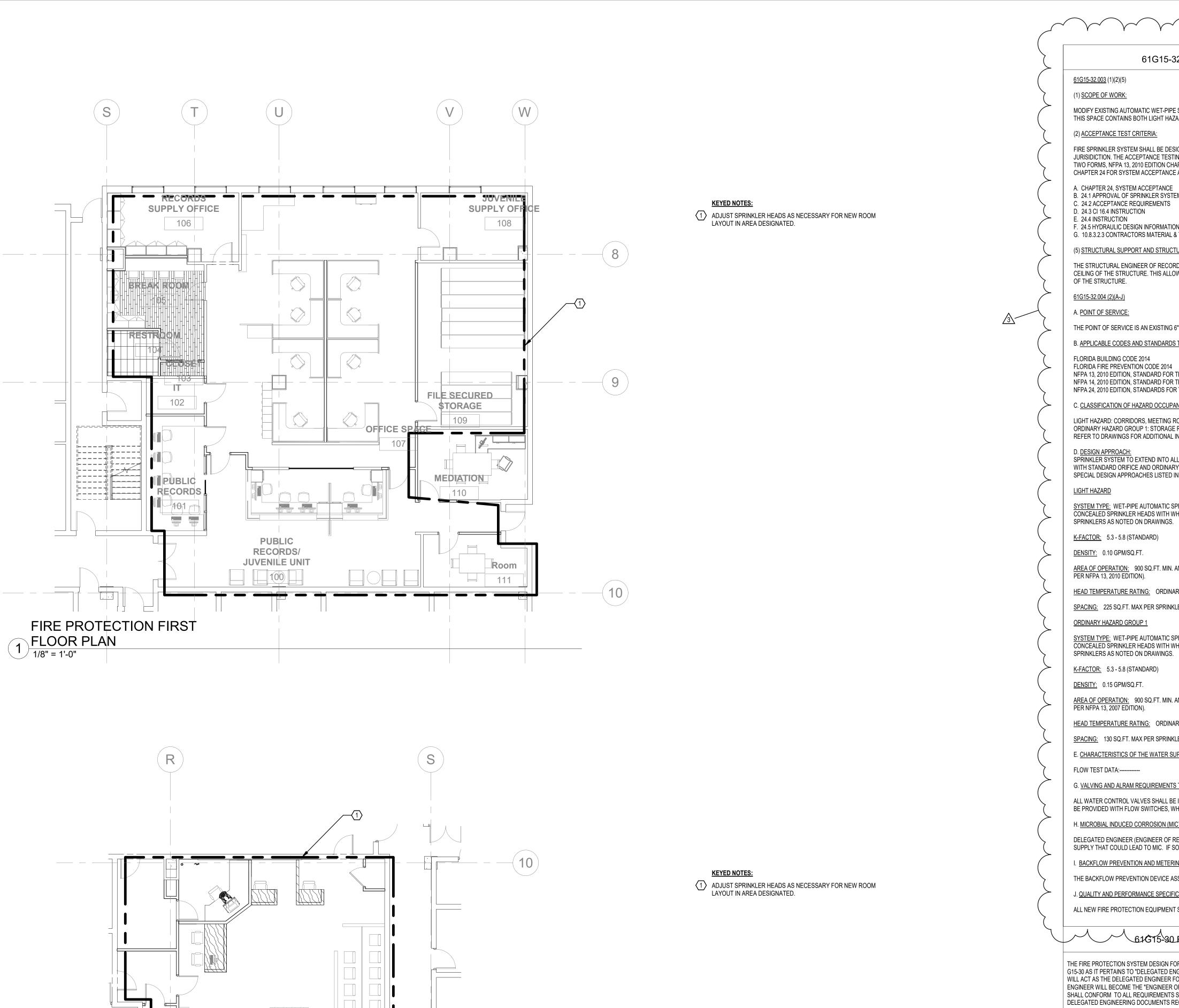
SUITE 400





Owner

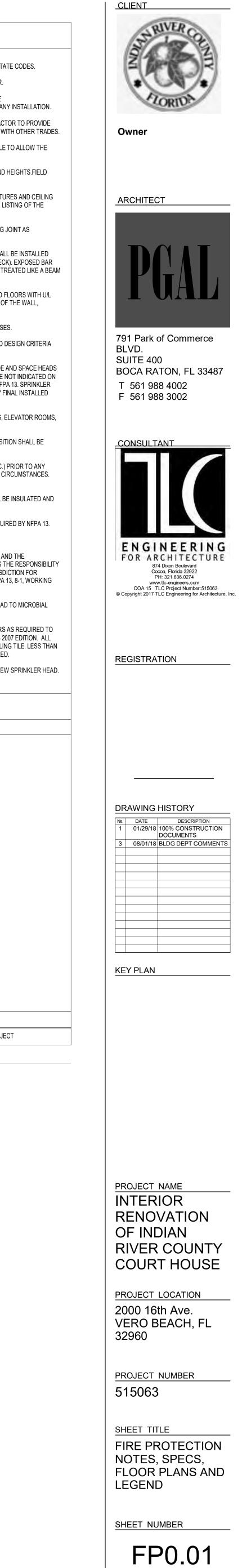




2 Fire Protection Cover Sheet

12

32 FAC - FIRE SPRINKLER DOCUMENT COMPLIANCE NOTES		GENERAL NOTES
	\sum	1. FIRE PROTECTION SYSTEM TO COMPLY WITH NFPA 13, 14, 20, 24 AND ALL APPLICABLE STA
		2. FINAL INSPECTION AND APPROVAL BY LOCAL FIRE MARSHAL AND ARCHITECT/ENGINEER.
E SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 TO PROVIDE FULL SPRINKLER COVERAGE IN THE RENNOVATED SPACE. ZARD AND ORDINARY HAZARD GROUP 1 HAZARDS AS INDICATED ON THE DRAWINGS.		 SPRINKLER SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AND STATE FIRE MARSHAL AND SHALL BE APPROVED PRIOR TO AN
SIGNED PER NFPA 13, 2010 EDITION AND SHALL COMPLY WITH THE LOCAL FIRE MARSHAL AND ALL AUTHORITIES HAVING	$\left \right\rangle$	4. PIPE ROUTING SHOWN IS SCHEMATIC ONLY. IT IS THE RESPONSIBILITY OF THIS CONTRACT ANY ADDITIONAL OFFSETS REQUIRED FOR PROPER INSTALLATION AND COORDINATION WI
TING OF THE FIRE SPRINKLER SYSTEM AND IT'S COMPONENTS SHALL CONSIST OF ALL APPLICABLE ITEMS SHOWN ON THESE IAPTER 10 (FIG. 16.1) CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR ABOVE GROUND PIPING. SEE NFPA 13, 2010 EDITION		5. PIPING IN AREAS WITH EXPOSED STRUCTURE SHALL BE INSTALLED AS HIGH AS POSSIBLE
E AND CHAPTER 26 FOR INSPECTION, TESTING AND MAINTENANCE.		OWNER MAXIMUM USE OF THE SPACE.REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING DESCRIPTIONS AND
EM		 VERIFY BEFORE FINALIZING LAYOUT/DESIGN. SPRINKLERS ARE TO BE COORDINATED WITH ALL DIFFUSERS, SPEAKERS, LIGHTING FIXTU
ON SIGNS & TEST CERTIFICATE FOR UNDERGROUND PIPING	$\left \right\rangle$	SYSTEMS. SPACING OF SPRINKLERS SHALL BE IN ACCORDANCE WITH NFPA 13 AND THE LI SPRINKLER.
TURAL OPENINGS:		8. SPRINKLER LOCATIONS SHALL BE CENTERED IN THE TILE. PROVIDE ARMOVER OR SWING REQUIRED.
RD HAS ADVISED THE UNDERSIGNED THAT THERE IS A 10 PSF DEAD LOAD ALLOWANCE FOR MEP ITEMS RUNNING IN THE DWANCE IS MORE THAN SUFFICIENT FOR THE MAINS AND BRAQNCH PIPING. INCLUDING OTHER ITEMS RUNNING IN THE CEILING		9. SPRINKLERS IN AREAS WITH EXPOSED STRUCTURE (OBSTRUCTED CONSTRUCTION) SHAL WITH DEFLECTOR 1" BELOW THE BOTTOM OF THE BEAM (MAXIMUM 22" BELOW ROOF DECH JOISTS THAT HAVE SPRAY-ON FIRE PROOFING THAT MAKES THE JOIST SOLID SHALL BE TR WITH THE ORDER OF THE PROOFING THAT MAKES THE JOIST SOLID SHALL BE TR
	$\left \right\rangle$	 WITH THE SPRINKLERS 1" BELOW THE BOTTOM OF THE FIRE PROOFING. SLEEVE AND/OR FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, AND FUNCTION ADDENDING STREET ADDENDING STREET THE DATING OF
6" FIRE SERVICE ROUTED FROM THE EXISTING BACKFLOW PREVENTOR TO THE BUILDING.		LISTED ASSEMBLIES. FIRESTOP ASSEMBLIES SHALL BE EQUAL OR EXCEED THE RATING OF CEILING OR FLOOR. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
S TO BE APPLIED:	\sum	11. PROVIDE ACCESS PANELS TO ALL VALVES ABOVE NON-ACCESSIBLE CEILINGS AND CHASE
		 PROVIDE A PERMANENTLY ATTACHED NAME TAG TO THE RISER STATING THE REQUIRED D FOR EACH HYDRAULICALLY-DESIGNED SYSTEM.
THE INSTALLATION OF SPRINKLER SYSTEMS THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS	\sum	13. PROVIDE SPRINKLERS UNDERNEATH ALL EXPOSED DUCTWORK WHICH IS OVER 48" WIDE A AROUND ALL OBSTRUCTIONS IN ACCORDANCE WITH NFPA 13 HEADS UNDER DUCTS ARE N
R THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES		THE DRAWINGS BUT ARE REQUIRED AND SHALL BE PROVIDED IN ACCORDANCE WITH NFP. LOCATIONS UNDER DUCTWORK AND AROUND OBSTRUCTIONS SHALL BE GOVERNED BY FI LOCATIONS.
ROOMS, OFFICES, RESTROOMS, ETC.	$\left \right\rangle$	14. PROVIDE SPRINKLER GUARDS ON ALL HEADS IN ELECTRIC ROOMS, TELEPHONE ROOMS, E
E ROOMS, MECHANICAL ROOMS AND JANITOR'S CLOSETS. INFORMATION.	$\langle \rangle$	ELEVATOR SHAFTS AND ON ANY HEADS LESS THAN 7'-0" ABOVE THE FLOOR. 15. IF SYSTEM PRESSURE EXCEEDS 100 PSI, ALL HANGERS ON END HEADS IN PENDANT POSIT
ILL AREAS IN ACCORDANCE WITH NFPA 13. UL LISTED AND APPROVED SIDEWALL, UPRIGHT AND PENDENT SPRINKLER HEADS RY TEMPERATURE SHOULD BE USED. ONLY AREA/DENSITY DESIGN METHOD IN ACCORDANCE WITH NFPA 13 SHOULD BE USED.		WITHIN 12" OF END OF LINE IN ACCORDANCE WITH NFPA 13.16. COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC.)
IN NFPA 13 ARE NOT ALLOWED.		INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY ELECTRICAL PANELS UNDER ANY CI ANY PIPING RUN OVER ELECTRICAL SHALL BE REROUTED AT NO ADDITIONAL COST.
SPRINKLER SYSTEM, USING STEEL SUPPLY PIPING TO NEW QUICK RESPONSE, STANDARD SPRAY SPRINKLER HEADS.		17. WET BULK SUPPLY MAINS AND HOSE SUPPLY MAINS EXPOSED TO THE WEATHER SHALL BI PROVIDED WITH AN ALUMINUM JACKET.
VHITE COVERS SHALL BE INSTALLED IN A FINISH CEILING, UPRIGHT SPRINKLERS IN EXPOSED CEILINGS AND SIDEWALL	$\left \right\rangle$	18. PROVIDE AUXILIARY DRAINS TO DRAIN ALL SECTIONS OF PIPING IN THE BILDING AS REQUI
		 PAINT ALL PIPING EXPOSED TO THE PUBLIC, COORDINATE COLOR WITH ARCHITECT. THE FIRE PROTECTION SYSTEMS AND INFORMATION SHOWN WITHIN THESE DRAWINGS AND
AND 1500 SQ.FT. MAX. (DESIGN AREA REDUCTION MAY ONLY BE USED IF CEILING HEIGHT AND AREA CLASSIFICATION PERMITS	$\left \right\rangle$	20. THE FIRE PROTECTION STSTEMS AND INFORMATION SHOWN WITHIN THESE DRAWINGS AN SPECIFICATIONS, REPRESENT THE DESIGN INTENT OF THE ENGINEER OF RECORD. IT IS T OF THE CONTRACTOR TO SUBMIT LAYOUT DRAWINGS TH THE AUTHORITY HAVING JURISD PERMITTING AND REVIEW. THE LAYOUT DRAWINGS SHALL BE IN COMPLIANCE WITH NFPA PLANS.
ARY TEMPERATURE (135 - 170 DEGREE F) UNLESS NOTED OTHERWISE ON DRAWINGS.		21. THE LOCAL WATER SUPPLIER HAS NOT INDICATED THAT THE WATER SUPPLY COULD LEAD
(LER HEAD OR BY MANUFACTURER LITERATURE.		INDUCED CORROSION. 22. RELOCATE EXISTING SPRINKLER TO CENTER OF CEILING TILE AND ADD NEW SPRINKLERS
SPRINKLER SYSTEM, USING STEEL SUPPLY PIPING TO NEW QUICK RESPONSE, STANDARD SPRAY SPRINKLER HEADS. VHITE COVERS SHALL BE INSTALLED IN A FINISH CEILING, UPRIGHT SPRINKLERS IN EXPOSED CEILINGS AND SIDEWALL	$\left \right\rangle$	PROVIDE A FULLY AUTOMATIC WET SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 20 SPRINKLER HEADS SHALL BE QUICK RESPONSIVE TYPE AND INSTALL IN CENTER OF CEILIN 49 SPRINKLER HEADS WILL BE AFFECTED, HYDRAULIC CALCULATIONS ARE NOT REQUIRED
	$\left \right\rangle$	23. ROUTE SPRINKLER BRANCH PIPE FROM EXISTING SPRINKLER MAIN AND CONNECT TO NEV
AND 1500 SQ.FT. MAX. (DESIGN AREA REDUCTION MAY ONLY BE USED IF CEILING HEIGHT AND AREA CLASSIFICATION PERMITS		FIRE PROTECTION LEGEND
ARY TEMPERATURE (135 - 170 DEGREE F) UNLESS NOTED OTHERWISE ON DRAWINGS.		SYMBOL DESCRIPTION
KLER HEAD OR BY MANUFACTURER LITERATURE.		Ø OR Ø → CONTROL VALVE W/TAMPER SWITCH
UPPLY TO BE USED:		 N - CHECK VALVE → - FLOW SWITCH
		✓ FDC - FIRE DEPARTMENT CONNECTION
S TO MINIMIZE POTENTIAL FOR IMPAIRMENTS AND UNRECOGNIZED FLOW OF WATER:	$\left \right\rangle$	PIV - POST INDICATOR VALVE W/TAMPER SWITCH
E INDICATING TYPE AND ELECTRONICALLY SUPERVISED BY THE BUILDING'S FIRE ALARM SYSTEM. EVERY SPRINKLER ZONE WILL VHICH WILL BE SUPERVISED BY THE FIRE ALARM SYSTEM.		► FVC - FIRE VALVE CABINET Standpipe with fire department valve
<u>IC):</u>	\sum	● N - NEW RECESSED PENDANT SPRINKLER
RECORD FOR THE SPRINKLER SYSTEM) SHALL CONTACT THE LOCAL WATER PURVEYOR IF CONDITIONS EXIST IN THEIR WATER SO, DELEGATED ENGINEER SHALL INCORPORATE CORREC TIVE MEASSURES IN THE FIRE PROTECTION DESIGN.		 R - RELOCATED RECESSED PENDANT SPRINKLER O E - EXISTING RECESSED PENDANT SPRINKLER TO REMAIN X FD - EXISTING RECESSED DENDANT SPRINKLER TO REMAIN
RING SPECIFICATIONS:	\sum	X ER - EXISTING RECESSED PENDANT SPRINKLER TO BE RELOCATED
SSEMBLY AND METERING EQUIPMENT WILL MEET THE REQUIREMENTS OF THE LOCAL WATER PURVEYOR.		F.C FLUSHING CONNECTION
FICATIONS OF ALL FIRE PROTECTION COMPONENTS:	\sum	- EXISTING \" UPRIGHT SPRINKLER
T SHALL BE UL LISTED AND FM APPROVED.		- DETAIL REFERENCE: TOP-DETAIL#, BOTTOM-DRAWING# SHOWN ON
LFAC - DELEGATED ENGINEER COMPLIANCE NOTE		
OR THIS PROJECT SHALL BE IN FULL ACCORDANCE WITH THE PROVISIONS OF THE FLORIDA ADMINISTRATIVE CODE, CHAPTER 61 NGINEER", THE FIRE PROTECTION CONTRACTOR SHALL PROCURE THE SERVICES OF A FLORIDA REGISTERED ENGINEER WHO		
FOR THE FIRE PROTECTION SYSTEM DESIGN BASED ON THE DESIGN INTENT OF THE CONTRACT DOCUMENTS. THE DELEGATED OF RECORD" FOR THIS PORTION (FIRE PROTECTION SYSTEM) OF THE ENGINEERING PROJECT. THE DELEGATE ENGINEER S SET FORTH IN THE FLORIDA ADMINISTRATIVE CODE, 61 G15-30.006 "DELEGATED ENGINEER'S RESPONSIBILITY". ALL FINAL		
REQUIRE THE IMPRESSED SEAL AND SIGNATURE OF THE DELEGATED ENGINEER.		NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJE
ver Sheet		



			TECHNOLO		
	BASIC MATERIALS	AUDIO/VIDEO SYSTEM			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		
J	JUNCTION BOX CEILING MOUNTED. SIZE AS PER NEC IF NOT INDICATED IN DRAWINGS. NEMA 1 FOR INTERIOR USE, NEMA 4X FOR EXTERIOR USE WITH HINGED COVER AND LOCK	AV	CAMERA FOR AV SYSTEM		
J	JUNCTION BOX WALL MOUNTED. SIZE AS PER NEC IF NOT INDICATED IN DRAWINGS. NEMA 1 FOR INTERIOR USE, NEMA 4X FOR EXTERIOR USE WITH HINGED COVER AND LOCK	- <u>AV</u> X	AUDIO VISUAL OUTLET - WALL MOUNTED X: DENOTES TYPE (1,2,3) SEE SHEETS WITH DETAILS FOR MORE INFC		
V x	TELECOMMUNICATIONS IN GROUND VAULT. SEE DETAILS AND SPECIFICATIONS FOR MORE INFORMATION. X: DENOTES BOX TYPE	ALT	ASSISTED LISTENING TRANSMITTER WALL M		
	EXISTING CONDUIT.	SX _γ	CEILING MOUNTED SPEAKER X: DENOTES TYPE Y: DENOTES ZONE NO ZONE INDICATES LOCAL ZONE FOR A/V S ROOM		
	CONDUIT ABOVE CEILING SPACE OR SURFACE SURFACE MOUNTED IN SPACE WITHOUT CEILING	SX _Y	DESK MOUNTED SPEAKER X: DENOTES TYPE Y: DENOTES ZONE NO ZONE INDICATES LOCAL ZONE FOR A/V S		
		-[VC]	WALL MOUNTED VOLUME CONTROL.		
			ASSOCIATION LINE BETWEEN AV DEVISES O		
		ŴX	CEILING MOUNTED MICROPHONE X: DENOTES TYPE		
		MX	DESK MOUNTED MICROPHONE X: DENOTES TYPE		
		FT	FLIP TOP DEVICE MOUNTED IN TABLE		
		*	CEILING MOUNTED RECORDING LIGHT		
		ТР	TOUCH PANEL FOR AUDIO		
		TS	TOUCH SCREEN FOR VIDEO		
		XX +YY	FLAT PANEL DISPLAY WITH MOUNT XX: DENOTES SCREEN SIZE +YY: DENOTES HEIGHT TO CENTER OF SCREEN		
		TYPE X: YYY	CEILING PROJECTOR X: DENOTES PROJECTOR TYPE - SEE SPECS YYY: DENOTES THROW RATIO FOR LENS		
		Sx	WALL SWITCH FOR MOTORIZED SCREEN X = A, B, C INTERFACE TYPE.		
		Δ ΧΧΥ	MOTORIZED PROJECTION SCREEN X DENOTES WIDTH OF SCREEN AREA Y DENOTES HEIGHT OF SCREEN AREA		
		-VC	X: DENOTES TYPE Y: DENOTES ZONE NO ZONE INDICATES LOCAL ZON ROOM WALL MOUNTED VOLUME CONTR ASSOCIATION LINE BETWEEN AV CEILING MOUNTED MICROPHONI X: DENOTES TYPE DESK MOUNTED MICROPHONE X: DENOTES TYPE FLIP TOP DEVICE MOUNTED IN TA CEILING MOUNTED RECORDING TOUCH PANEL FOR AUDIO TOUCH PANEL FOR AUDIO TOUCH SCREEN FOR VIDEO FLAT PANEL DISPLAY WITH MOUNT XX: DENOTES HEIGHT TO CENTER CEILING PROJECTOR X: DENOTES HEIGHT TO CENTER CEILING PROJECTOR X: DENOTES THROW RATIO FOR WALL SWITCH FOR MOTORIZED SO X = A, B, C INTERFACE TYPE. MOTORIZED PROJECTION SCREEN X DENOTES WIDTH OF SCREEN AR		

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 A Construction of the constructio			VOICE & DATA SYSTEM	(SECURITY SYSTEM		G
Series is a first sole of the		SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		
14.	COGY SYST NFORMATION LL MOUNTED AV SYSTEM IN THE ES ON THE SAME ZONE	SYMBOL SYMBOL SYMBOL SNY WAP WAP SN WAP SN SN EN EN SN EN SN SN SN SN SN SN SN SN SN S	DESCRIPTION COMMUNICATIONS INFORMATION OUTLET. X: DENOTES MOUNTING. (E)XISTING, (F)LUSH, (S)URFACE, (M)ODULAR FURNITURE ADAPTOR (P)OLE, (R)AISED FLOOR, R(A)CEWAY N: DENOTES NUMBER OF DATA CABLES/JACKS IN FACEPLATE. TERMINATE CABLES IN EXISTING ADC IT ROOM EXCEPT WHERE NOTED. Y: DENOTES NUMBER OF VOICE CABLES/JACK IN FACEPLATE. TERMINATE CABLES IN EXISTING COUNTY AND CLERK IT ROOM. +H: DENOTES HEIGHT TO CENTER OF BOX AFF. MOUNT AT STANDARD HEIGHT IF NOT SHOWN OUTLET FOR WIRELESS ACCESS POINT. MOUNTED ABOVE CEILING IN SURFACE JACK X-N: AS DESCRIBED FOR INFORMATION OUTLET WALL TELEPHONE OUTLET. MOUNTED AT 52" ABOVE FINISHED FLOOR AND 12" FROM EDGE OF WALL. N: AS DESCRIBED FOR INFORMATION OUTLET OUTLET FOR MECHANICAL/ELECTRICAL/FIRE ALARM/ELEVATOR/STAIR CONNECTION. N: AS DESCRIBED FOR INFORMATION OUTLET POKE-THROUGH FOR TECHNOLOGY SYSTEMS AND POWER OUTLETS. L: DENOTES (F)LOOR MOUNTED N: AS DESCRIBED FOR INFORMATION OUTLET Y: DENOTES BOX TYPE (1,2,3.) Z: DENOTES PLATE TYPE (A,B,C). A = NO AUDIO/VISUAL POWER POLE FOR COMBINED USE - TECHNOLOGY SYSTEMS AND POWER. COMBINED VOICE/DATA, AUDIO/VIDEO AND POWER OUTLETS IN FLOOR BOX. POWER RECEPTACLE IS SHOWN FOR REFERENCE ONLY. CONDUIT, BOX AND POWER RECEPTACLE IS SHOWN FOR REFERENCE ONLY. CONDUIT, BOX AND POWER RECEPTACLE ROVIDED BY DIVISION 26.	SYMBOL MON PC _X	DESCRIPTION CCTV CAMERA REFER TO DETAILS FOR COMPLETE INFORMATION ANALOG CCTV MONITOR - DESK MOUNTED SECURITY SYSTEM WORKSTATION DESK MOUNTED X - DENOTES TYPE FLAT PANEL DISPLAY WITH MOUNT FOR CCTV XX: DENOTES SCREEN SIZE	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 13.	R ABO ME DET TYP PARENS A FOP SPE SPE SPE SPE SPE SPE SPE SPE SPE SP

GENERAL NOTES FOR ALL TECHNOLOGY SYSTEMS	1
	SECURITY SYSTEM NOTES
 REFER TO GREENENTING AND BID DOCUMENTS WHY SWIRDS LISED IN THIS PROJECT HAY A TYPE ASSOCIATED WITH THEM SEE BEETS WITH DETAILS AND PROJECT SECTION TO STOLEN AND A TYPE ASSOCIATED WITH THEM SEE BEETS WITH DETAILS AND PROJECT SECTION TO STOLEN AND A TYPE ASSOCIATED WITH THEM SEE BEETS WITH DETAILS AND REDIEST SECTION TO STOLEN AND A TYPE ASSOCIATED WITH THEM SEE DETAINT TYPE. PRODUCTS SHULL BE ON ATTRUS THAY ARE SUBTAINED FOR THE DIMONITY IN WHICH THEY AND DELEMINE AND AND THE SOUND ARE OVALLE IF AN INFORMATION IS PROVIDED TO THE INSTALLED DIMON THE SOUND STOLEN AND A TYPE ASSOCIATED WITH THEM SEE THANNOS. SEE SPECIFICIAN THE SOUND STOLEN AND A TYPE ASSOCIATED WITH THE WAY AND ALL CONDUCT FOR BLOW GRADE SHALL BY PC. UNLESS OT PRAVIES IN THE DIMONITY IN WHICH THEY AND THE SOUND FOR TROUCH ON THE MONITON OF THE CONDER THAN THE WAY AND ALL CONDUCT FOR BLOW GRADE SHALL BY PC. UNLESS OT PRAVIES AND THE SOUND AND THE WAY AND ALL CONTON AND THE SOUND FOR TROUCH ON THE MONITON OF THE SOUND AND THE AND THE ADDITIONAL AND THE WAIL SEE SPECIFICIAN. THE RECTIVEL CONTONING A REP AND THE SOUND THE ADDITION TO AND THE ADDITION AND ALL CONTON ON THE RECORD THE ADDITION TO AND THE ADDITION ALL CONTONING AND THE SOUND THE ADDITION TO AND THE ADDITION AND ALL CONTONING AND THE FLOOR THAN THE ADDITION TO ADDITION AND THE ADDITION AND THE ADDITION TO ADDITION TO ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION TO ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION TO ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION TO ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION TO ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION TO ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION THE ADDITION TO ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE ADDITION AND THE	 SPECURITY SYSTEM NOTES SYNDIA USD TO RESOLUTE REVEALS BUY AD CITY OWERAL INTERCINETATION. SYNDIAY MEDICATION AND REPORTATION AND THERE AND REPORT SYNDIAY THE PROTECTION AND REPORTATION AND REPORTATIO



SHEET NUMBER

SHEET TITLE TECHNOLOGY GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

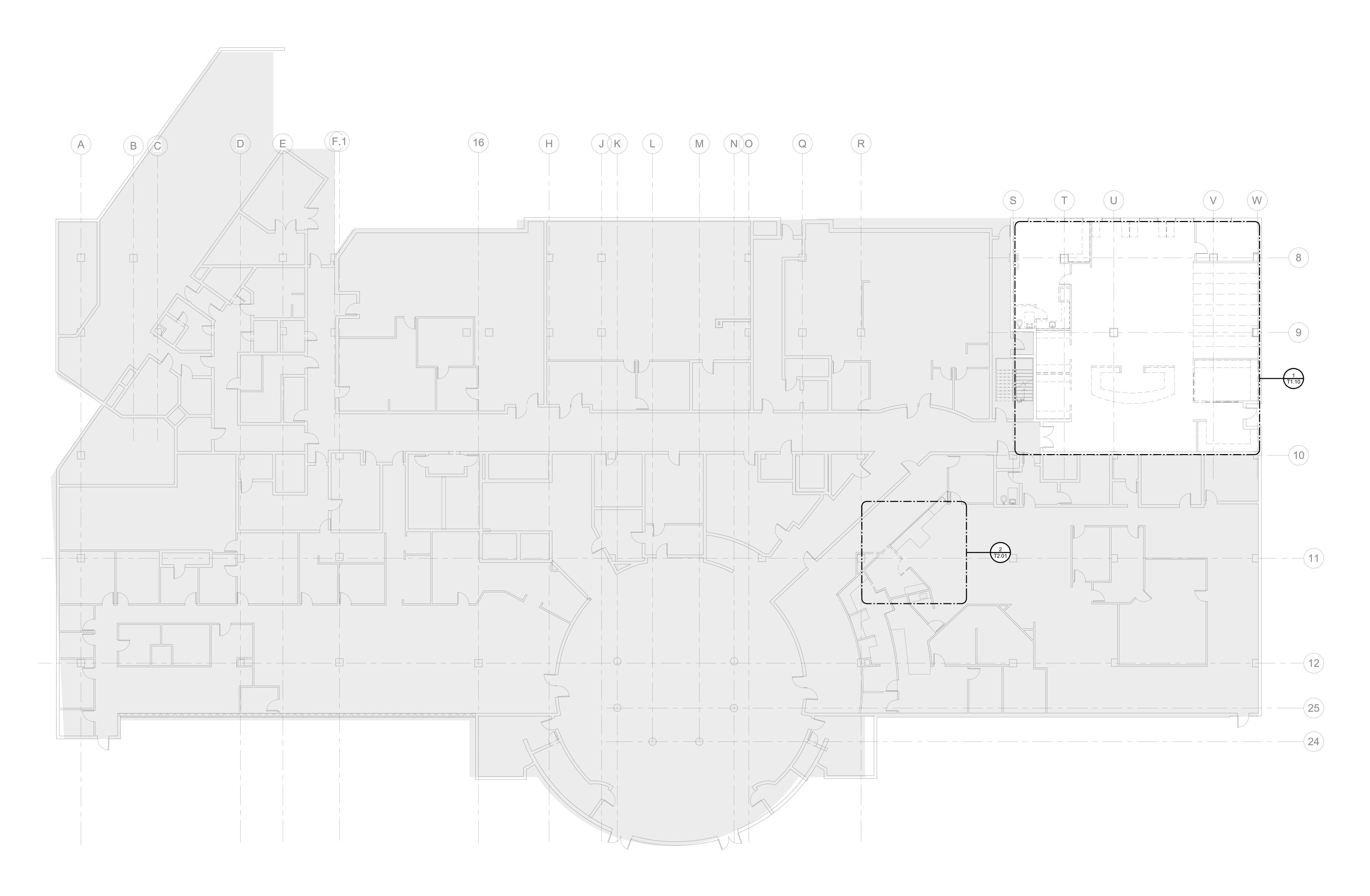
KEY PLAN

	M. MONCEF HADIJI P.E. FLORIDA LICENSE #48022						
DF	DRAWING HISTORY						
Nº.	DATE	DESCRIPTION					
	01/29/18	100% CONSTRUCTION DOCS					

REGISTRATION



Owner



TECHNOLOGY OVERALL PLAN -<u>LEVEL 1</u> <u>3/32" = 1'-0"</u>



SHEET TITLE TECHNOLOGY OVERALL PLAN -LEVEL 1

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

KEY PLAN

	M. MONCEF HADIJI P.E. FLORIDA LICENSE #48022						
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	01/29/18	100% CONSTRUCTION DOCS					
-							

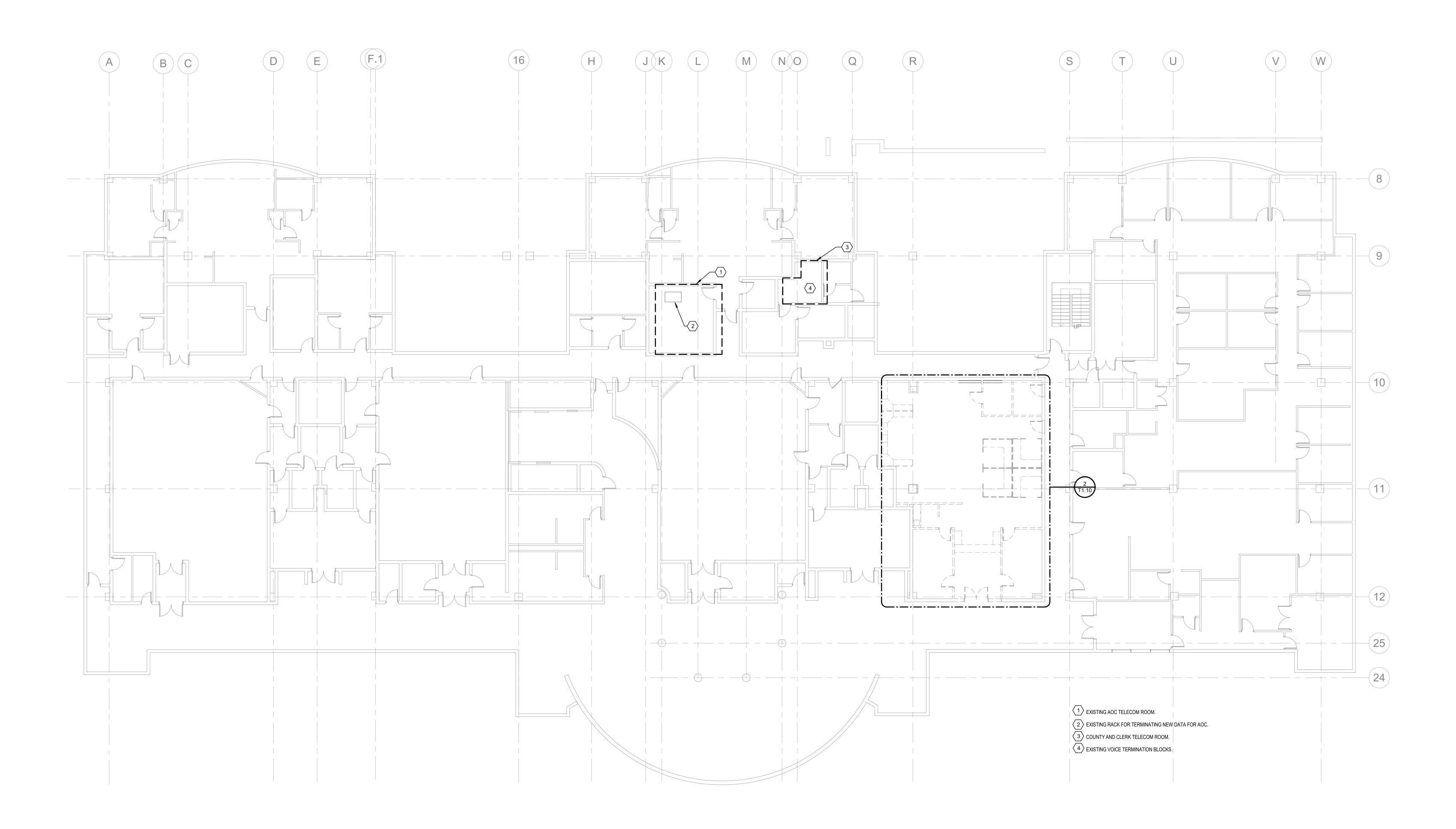
REGISTRATION





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TECHNOLOGY OVERALL PLAN -LEVEL 2

PROJECT NUMBER 515063

SHEET TITLE

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

KEY PLAN

		DNCEF HADIJI P.E. DA LICENSE #48022
DF	RAWING	HISTORY
Nº.	DATE	DESCRIPTION
	01/29/18	100% CONSTRUCTION DOCS
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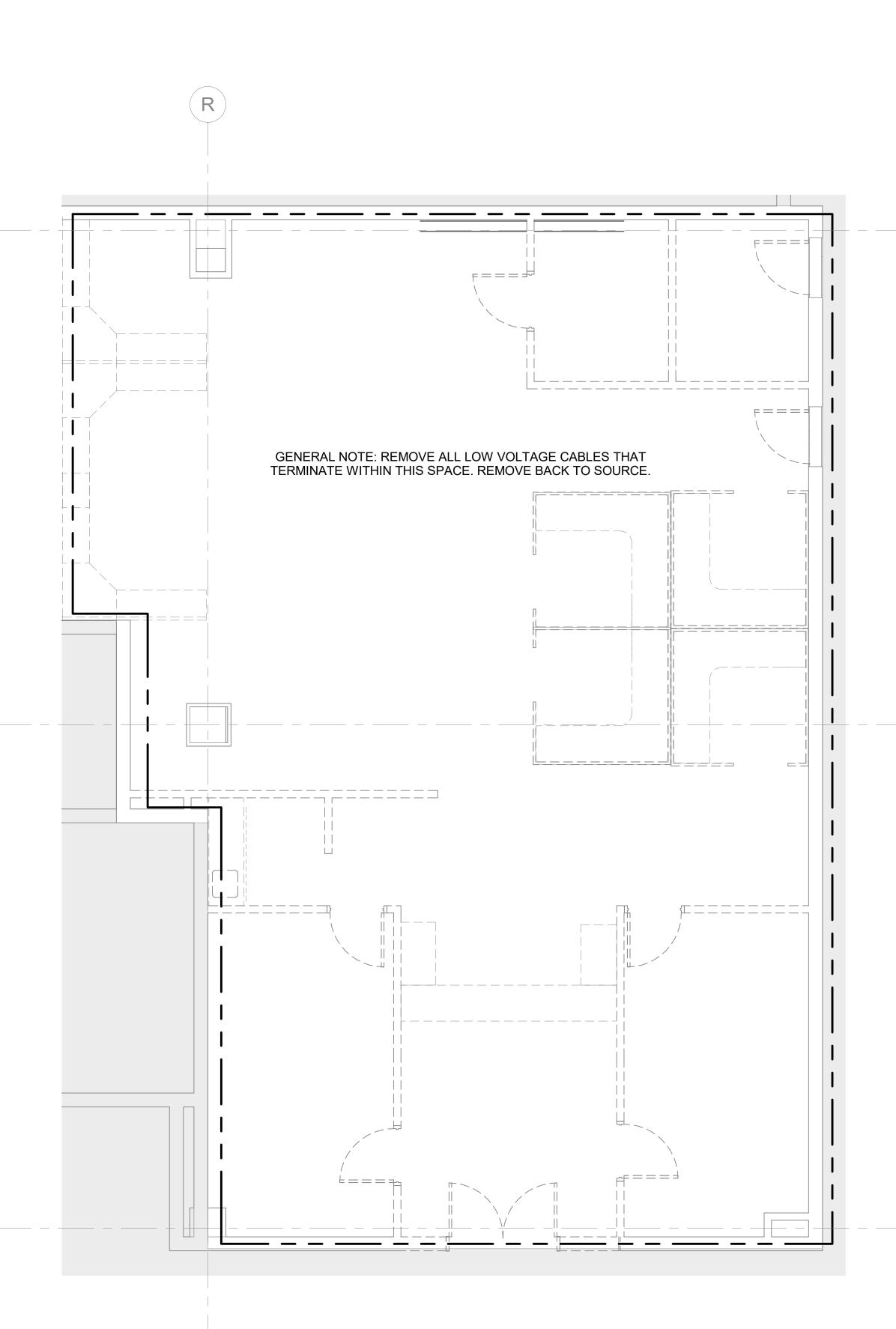
REGISTRATION



Owner ARCHITECT

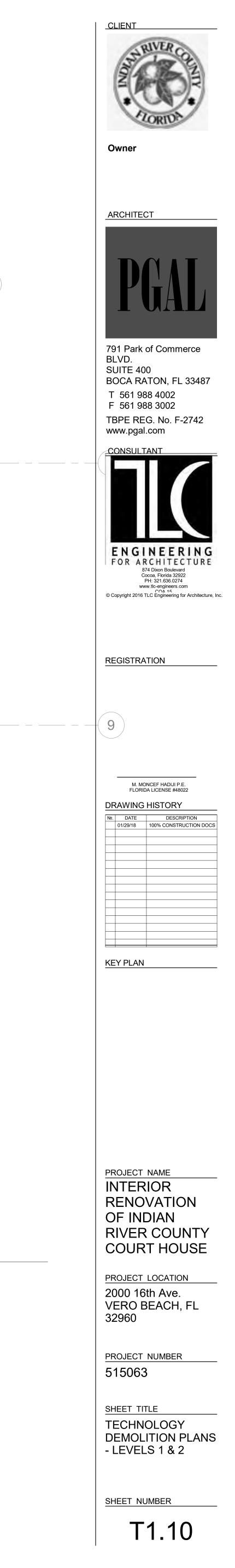


TECHNOLOGY DEMOLITION 2 PLAN - LEVEL 2 1/4" = 1'-0"

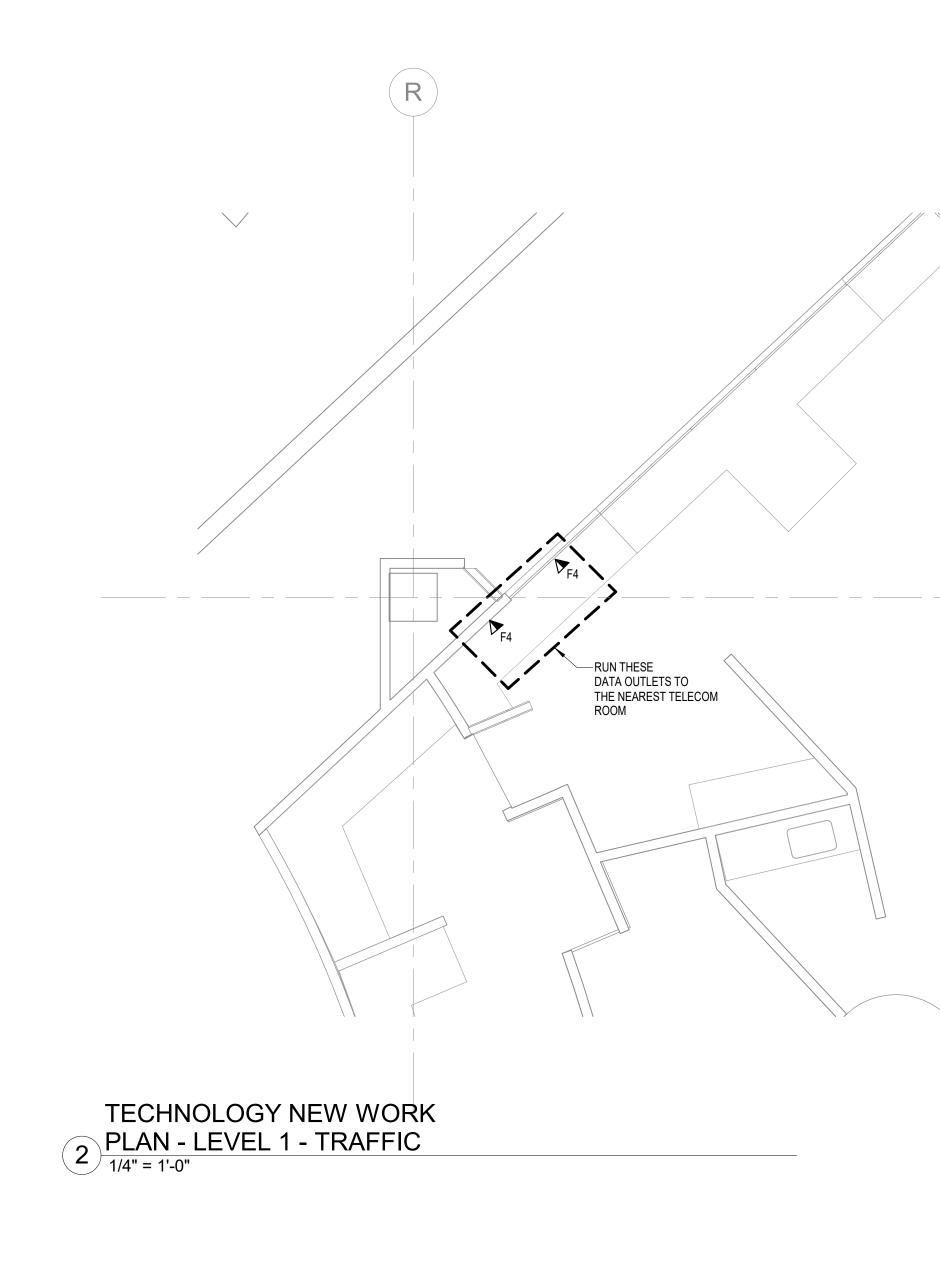


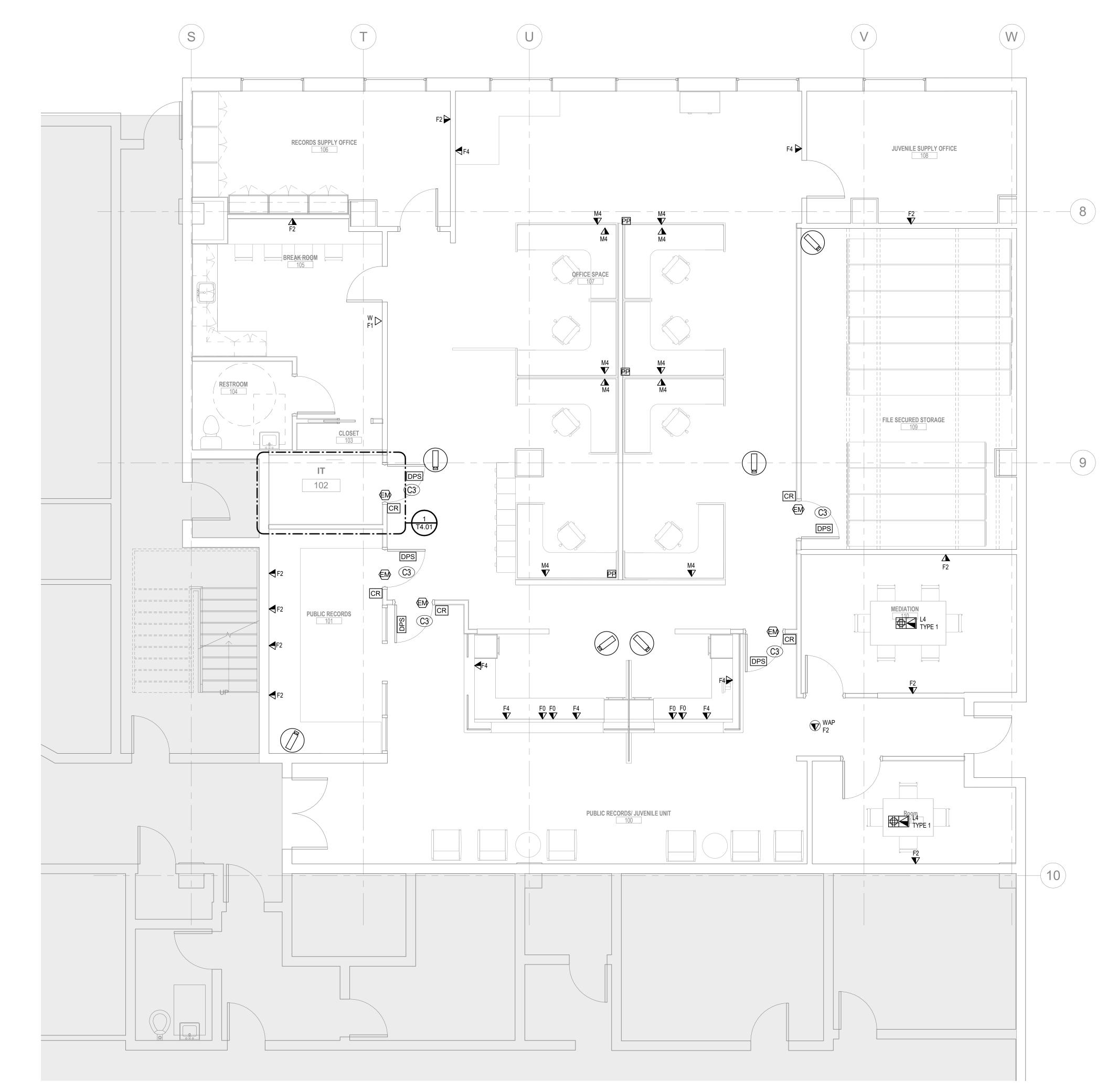


TECHNOLOGY DEMOLITION 1 PLAN - LEVEL 1 1/4" = 1'-0"



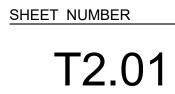
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TECHNOLOGY NEW WORK 1 PLAN - LEVEL 1 1/4" = 1'-0"

-11



<u>Sheet Title</u> NEW WORK TECHNOLOGY PLAN - LEVEL 1

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

KEY PLAN

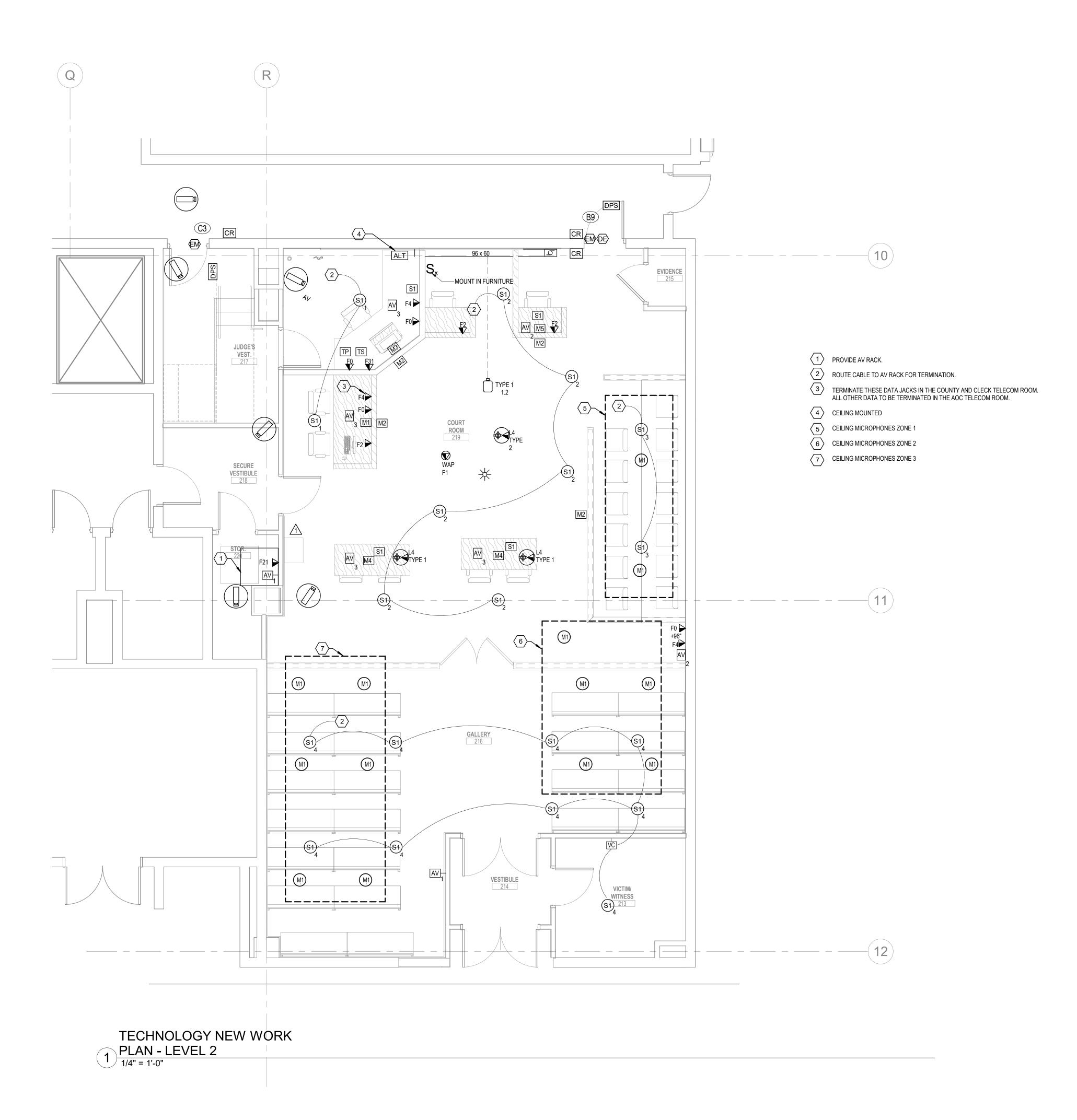
DRAWING HISTORY Nº. DATE DESCRIPTION 01/29/18 100% CONSTRUCTION DOG	
01/29/18 100% CONSTRUCTION DO	
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REGISTRATION



Owner

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SHEET TITLE NEW WORK TECHNOLOGY PLAN - LEVEL 2

SHEET NUMBER

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

KEY PLAN

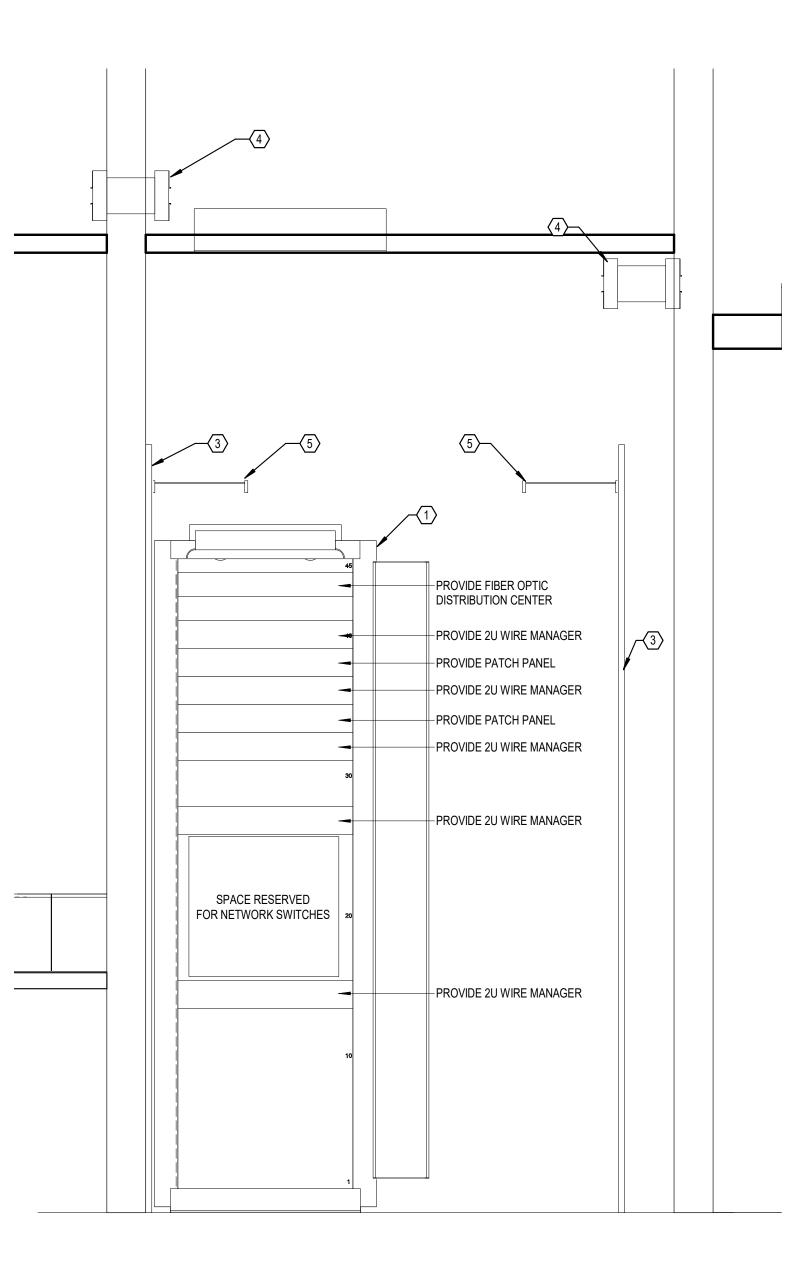
		NCEF HADIJI P.E. A LICENSE #48022
DF	RAWING	HISTORY
Nº.	DATE	DESCRIPTION
	01/29/18	100% CONSTRUCTION DOCS
1	07/25/18	BUILDING DEPARTMENT COMMENTS
		•

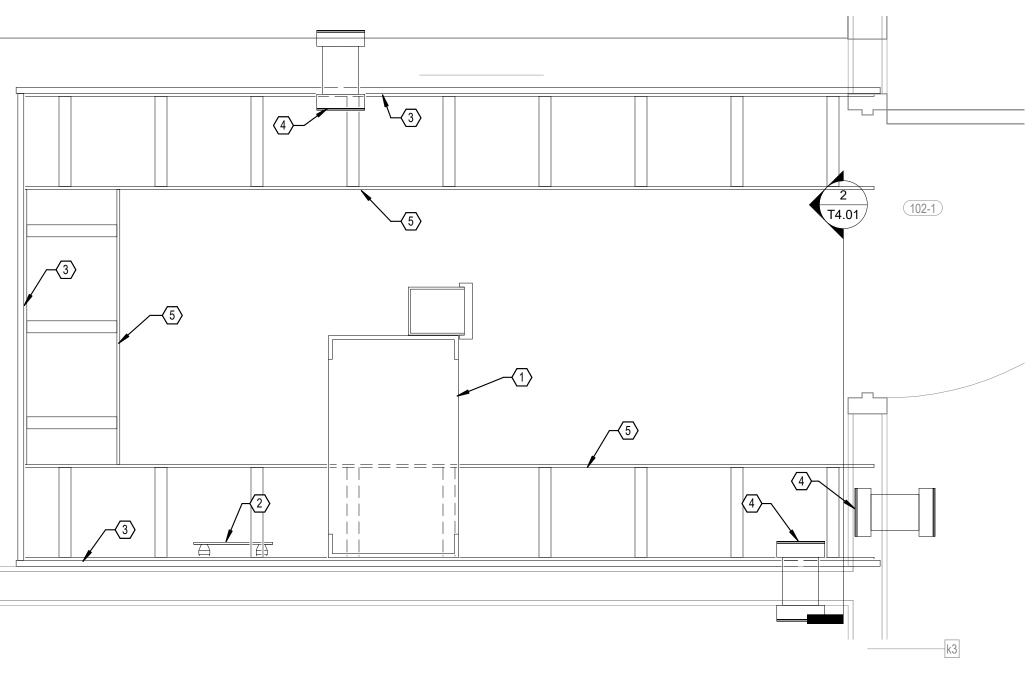
REGISTRATION



Owner







TECHNOLOGY ENLARGED 1 PLAN - IT ROOM 102 1" = 1'-0"

- $\langle 1 \rangle$ PROVIDE 19" EQUIPMENT RACK.
- $\langle 2 \rangle$ PROVIDE GROUND BAR.
- $\langle 3 \rangle$ PROVIDE PLYWOOD FROM 6" AFF TO 8'-6" AFF.
- $\langle 4 \rangle$ PROVIDE FLAMESTOPPER WALL PENETRATION.
- 5 PROVIDE 12" TUBULAR TRAY AT 7'-6" AFF.



SHEET TITLE TECHNOLOGY ENLARGED PLAN

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

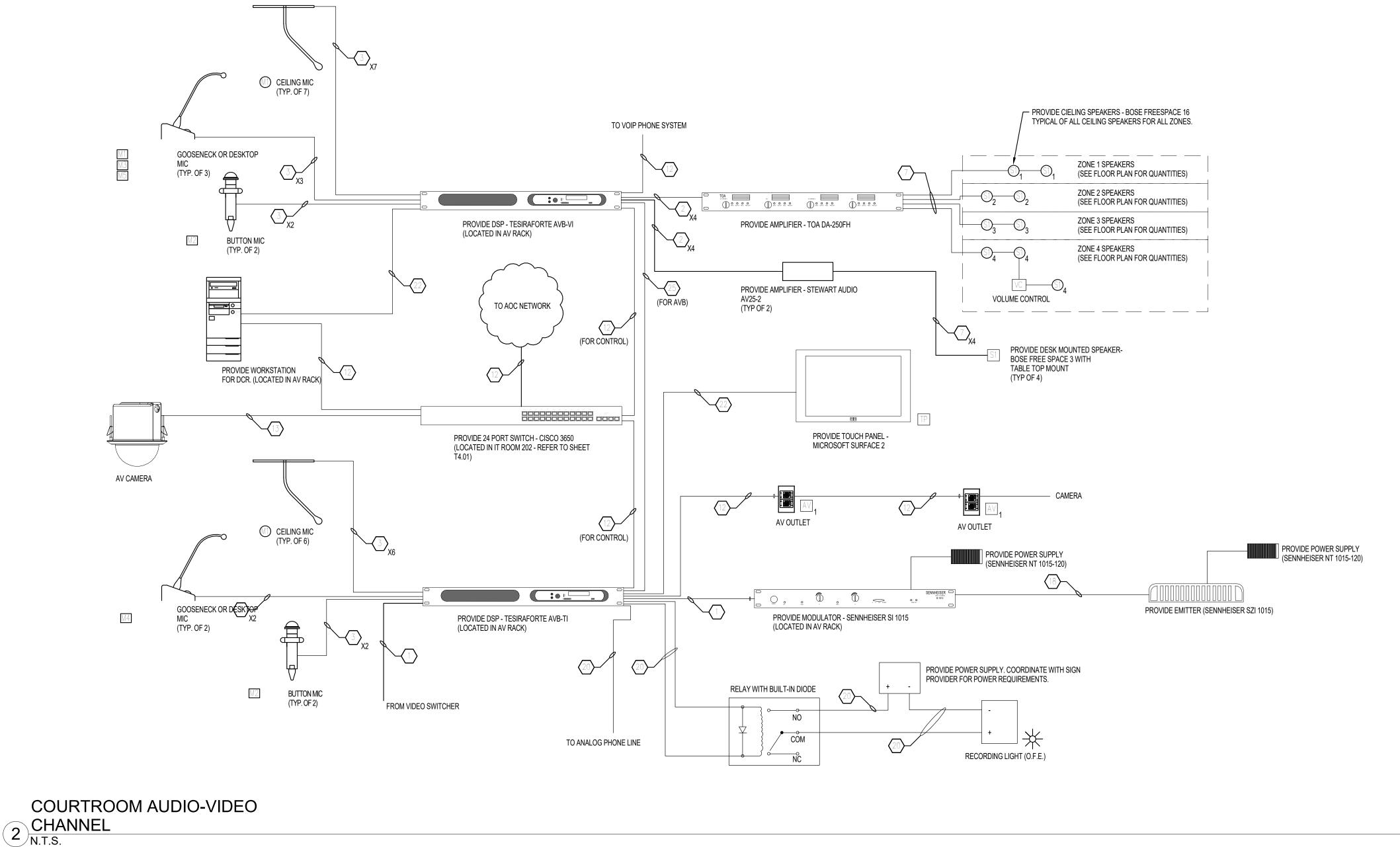
KEY PLAN

		ONCEF HADIJI P.E. DA LICENSE #48022
DF	RAWING	HISTORY
Nº.	DATE	DESCRIPTION
	01/29/18	100% CONSTRUCTION DOCS
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REGISTRATION



Owner



1 NOTES N.T.S.

AUDIO-VISUAL CHANNEL KEY

- (13) <u>ETHERNET SIGNAL (STATION)</u>. PROVIDE (1) CABLE, WITH (4) TWISTED PAIRS CATEGORY. MATCH DESIGN CRITERIA FOR VOICE-DATA SPECIFICATIONS.
- ETHERNET SIGNAL (PATCH) . PROVIDE (1) CABLE, WITH (4) TWIISTED PAIRS CATEGORY TYPE, FACTORY TESTED AND MATCHING DESIGN CRITERIA FOR VOICE-DATA SPECIFICATIONS.
- COMPONENT VIDEO SIGNAL . PROVIDE 3 COAXIAL CABLES, 25 AWG SOLID .018" TINNED COPPER CONDUCTORS, FOIL SHIELD (100% COVERAGE) WITH TINNED COPPER INTERLOCKED SERVE SHIELD (95% COVERAGE)
- VGA VIDEO SIGNAL. PROVIDE 5 COAXIAL CABLES, 25 AWG SOLID .018" TINNED COPPER CONDUCTORS, FOIL SHIELD (100% COVERAGE) WITH TINNED COPPER INTERLOCKED SERVE SHIELD (95% COVERAGE)
- (9) <u>RS-232/ RS-422 / RS-485 SIGNAL</u>. PROVIDE TWISTED PAIR CABLE, 22 AWG STRANDED (7 X 30) TINNED COPPER CONDUCTORS, OVERALL FOIL SHIELD (100% COVERAGE), WITH 22 AWG STRANDED TINNED COPPER DRAIN WIRE. PROVIDE QUANTITY OF PAIRS AS REQUIRED BY APPLICATION.
- SPEAKER AUDIO SIGNAL . PROVIDE (1) UNSHIELDED TWISTED PAIR CABLE, 16 AWG STRANDED (AWG 16) TINNED COPPER CONDUCTORS.
 S-VIDEO SIGNAL . PROVIDE (2) COAXIAL CABLES, 30 AWG STRANDED (7 X 38) .012" TINNED COPPER CONDUCTOR S, TINNED COPPER FRENCH BRAID SHIELD (98%)
- WIRE AND (1) UTP, 18 AWG (16 X 30) TINNED COPPER CONDUCTORS. (I.E. AXLINK OR CRESNET CONTROL)
- CONTROL SIGNAL PROVIDE (1) CABLE WITH (1) TWISTED PAIR, 22 AWG STRANDED (7 X 30) TINNED COPPER CONDUCTORS, OVERALL FOIL, TINNED COPPER DRAIN
- 5 ANALOG VIDEO/AUDIO/CONTROL SIGNAL USING TWISTED PAIR CABLES. PROVIDE ONE OR TWO 4-PAIR UTP CATEGORY CABLES AS REQUIRED BY EQUIPMENT MANUFACTURER. MATCH DESIGN CRITERIA FOR VOICE/DATA SPECIFICATIONS.
- COMPOSITE VIDEO SIGNAL. PROVIDE (1) RG-59 CABLE, 22 AWG STRANDED (7 X 29) .031" BARE COMPACTED COPPER CONDUCTOR. TINNED COPPER /BARE COPPER DOUBLE BRAID SHIELD (95% COVERAGE)
- MIC LEVEL AUDIO SIGNAL. PROVIDE (1) TWISTED PAIR CABLE, 20 AWG STRANDED (7 X284) TINNED COPPER CONDUCTORS, OVERALL FOIL SHIELD (100% COVERAGE), WITH 20 AWG STRANDED TINNED COPPER DRAIN WIRE.
- FOIL SHIELD (100% COVERAGE), WITH 22 AWG STRANDED TINNED COPPER DRAIN WIRE.

 Image: Amount of the second strain
 Image: Amount of
- OVERALL FOIL SHIELD (100% COVERAGE), WITH 22 AWG STRANDED TINNED COPPER DRAIN WIRE.
 LINE LEVEL AUDIO SIGNAL (MONO). PROVIDE (1) TWISTED PAIR CABLE FOR MONO SIGNAL. 22 AWG STRANDED (7 X 30) TINNED COPPER CONDUCTORS, OVERALL FOIL SHIELD (100% COVERAGE), WITH 22 AWG STRANDED TINNED COPPER DRAIN WIRE.
- LINE LEVEL AUDIO SIGNAL (STEREO). PROVIDE (2) TWISTED PAIR CABLES FOR STEREO SIGNAL. 22 AWG STRANDED (7 X 30) TINNED COPPER CONDUCTORS,

AUDIO-VIDEO CHANNEL KEYED NOTES: (NOT ALL KEYED NOTES ARE USED IN EVERY CHANNEL)

PROPIETARY SIGNAL 2:

PROPIETARY SIGNAL 1:

COPPER BRAID SHIELD (95[^] COVERGAE), PVC JACKET. USE ONLY BELDEN 1505A <u>KVM CABLE</u>: PROVIDE CABLE FOR MONITOR, KEYBOARD AND MOUSE. MATCH CONNECTORS IN EQUIPMENT (USB OR PS2 FOR KM AND VGA OR DVI FOR VIDEO).

POWER SUPPLY CABLE : PROVIDE CABLE WITH ONE PAIR AWG-18 (16X30) TINNED COPPER CONDUCTORS, WITH RISER RATED CABLE JACKET <u>HD-SDI CABLE</u> : PROVIDE COAXIAL CABLE RG-59, 20 AWG SOLID 0.032" BARE COPPER CONDUCTOR, GAS INJECTED FOAM HDPE INSULATION, DUOFOILD + TINNER COPPER BRAID SHIELD (95^ COVERGAE), PVC JACKET. USE ONLY BELDEN 1505A

MANUFACTURE. IF MANUFACTURE SUPPORTS STANDARD UTP CATEGORY CABLES, MATCH DESIGN CRITERIA FOR VOICE/DATA SPECIFICATIONS. POWER SUPPLY CABLE : PROVIDE CABLE WITH ONE PAIR AWG-18 (16X30) TINNED COPPER CONDUCTORS, WITH RISER RATED CABLE JACKET

DIGITAL VIDEO/AUDIO/CONTROL SIGNAL USING TWISTED PAIR CABLES. PROVIDE ONE, TWO OR MORE 4-PAIR UTP OR SCTP CABLES AS REQUIRED BY EQUIPMENT

AV SIGNAL OVER FIBER OPTICS (PATCH CORD) : 2-STRAND FIBER OPTICS PATCH CORD CABLE: OM3. SEE SPECIFICATIONS.

AV SIGNAL OVER FIBER OPTICS (BACKBONE): FIBER OPTICS BACKBONE CABLE. OM3 SEE SPECIFICATIONS. CONNECTORS TO MATCH EQUIPMENT

USB SIGNAL. PROVIDE FACTORY MADE USB CABLE. TYPE OF USB CONNECTORS TO MATCH EQUIPMENT CONNECTORS.

SPDIF DIGITAL AUDIO: PROVIDE COAXIAL CABLE RG-59 WITH RCA CONNECTORS

TELEPHONE SIGNAL (DIAL TONE). PROVIDE VOICE STATION CABLE. MATCH DESIGN CRITERIA FOR VOICE/DATA SPECI

TELEPHONE SIGNAL (DIAL TONE). PROVIDE VOICE STATION CABLE. MATCH DESIGN CRITERIA FOR VOICE/DATA SPECIFICATIONS.

DOUBLE BRAID SHIELD (95% COVERAGE)

IR SIGNAL OVER COAX. PROVIDE (1) RG-59 CABLE, 22 AWG STRANDED (7 X 29) .031" BARE COMPACTED COPPER CONDUCTOR. TINNED COPPER /BARE COPPER DOUBLE BRAID SHIELD (95% COVERAGE)

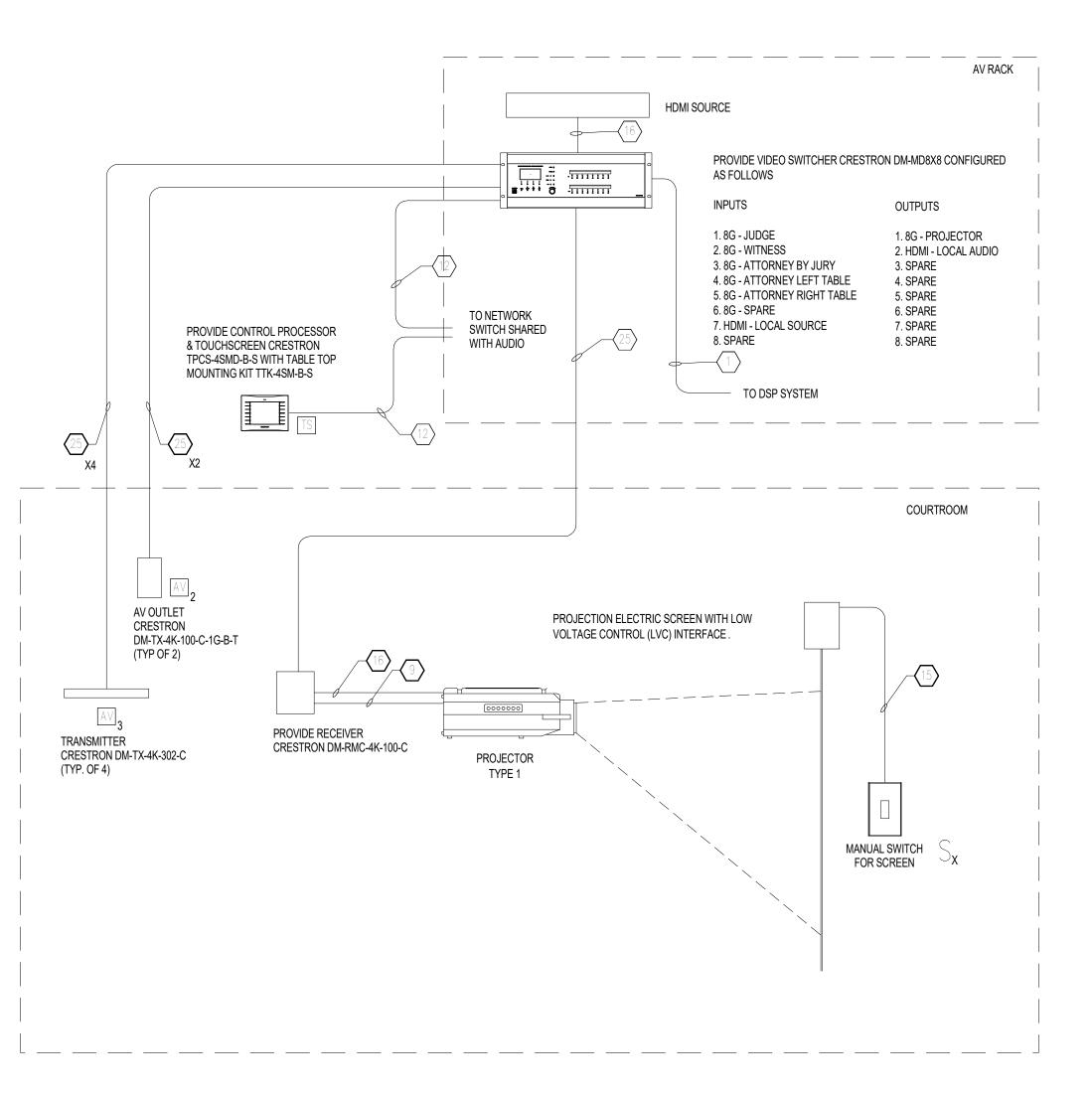
RF SIGNAL. PROVIDE COAXIAL CABLE. REFER TO CATV CHANNELS AND SPECIFICATIONS FOR CABLE TYPE.

COAXIAL ANTENNA CABLE . PROVIDE COAXIAL CABLE RG-58 50 OHM. CABLE SPECIFICATIONS TO MATCH RECOMMENDATION OF EQUIPMENT MANUFACTORY.

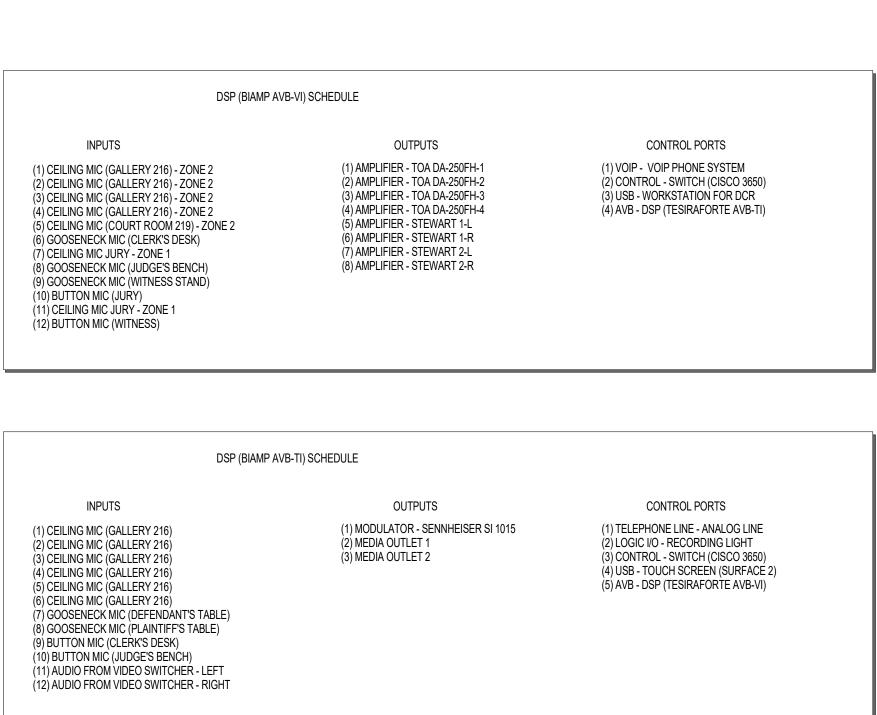
HDMI/DVI SIGNAL . PROVIDE (1) HDMI/DVI FACTORY MADE CABLE. FOR DVI CABLES, MATCH CONNECTOR TYPES TO EQUIPMENT. FOR RUNS IN CONDUIT, ONLY USE

CONTACT CLOSURE SIGNAL . PROVIDE (1) UNSHIELDED TWISTED PAIR CABLE, 22 AWG SOLID CONDUCTOR CABLE. PROVIDE QUANTITY OF PAIRS AS REQUIRED BY APPLICATION.

IR CONTROL SIGNAL . PROVIDE (1) 1 PAIR , UNSHIELDED TWISTED PAIR, CABLE, 22 AWG SOLID CONDUCTOR.



3 VIDEO DISTRIBUTION CHANNEL





SHEET TITLE TECHNOLOGY AUDIO-VIDEO CHANNEL

SHEET NUMBER

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

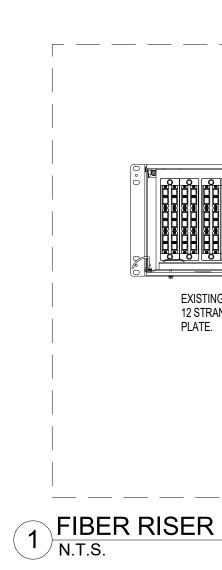
PROJECT NAME INTERIOR RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

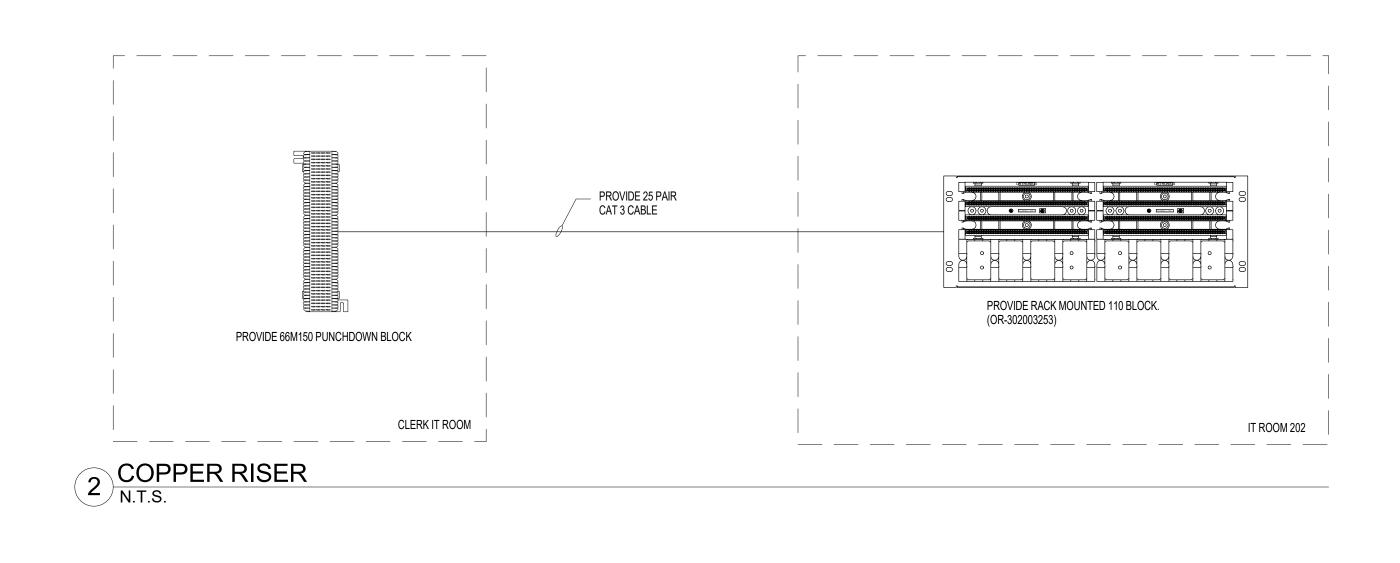
KEY PLAN

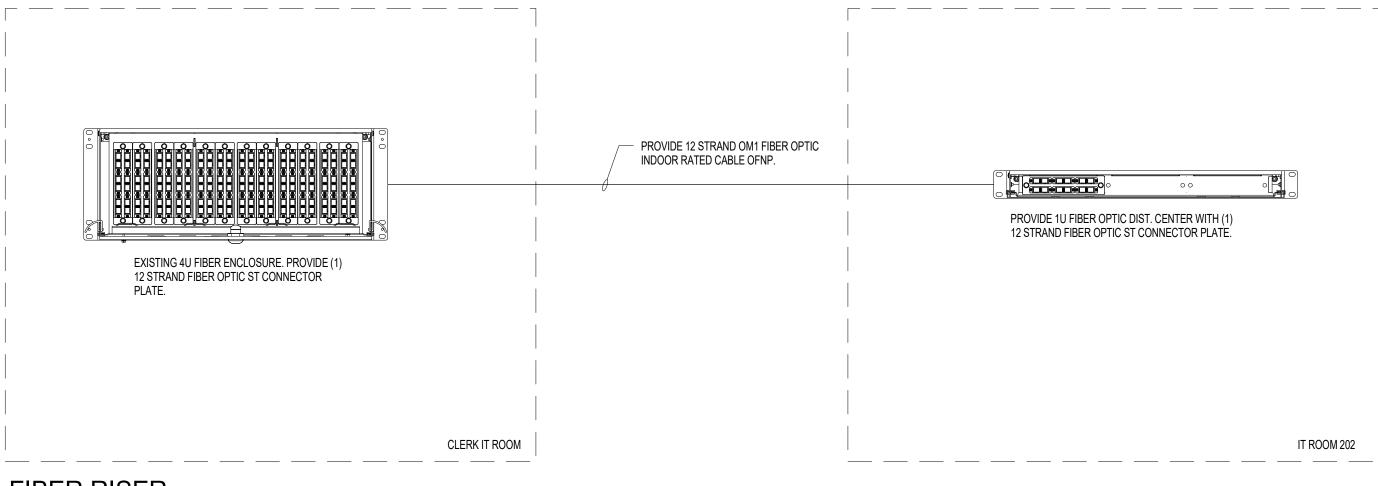
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DF	RAWING	HISTORY
Nº.	DATE	DESCRIPTION
	01/29/18	100% CONSTRUCTION DOCS
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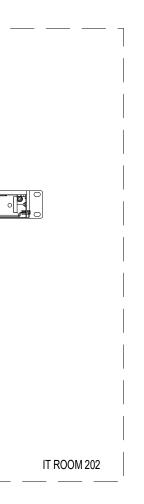
REGISTRATION













SHEET NUMBER

SHEET TITLE FIBER AND COPPER RISER

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

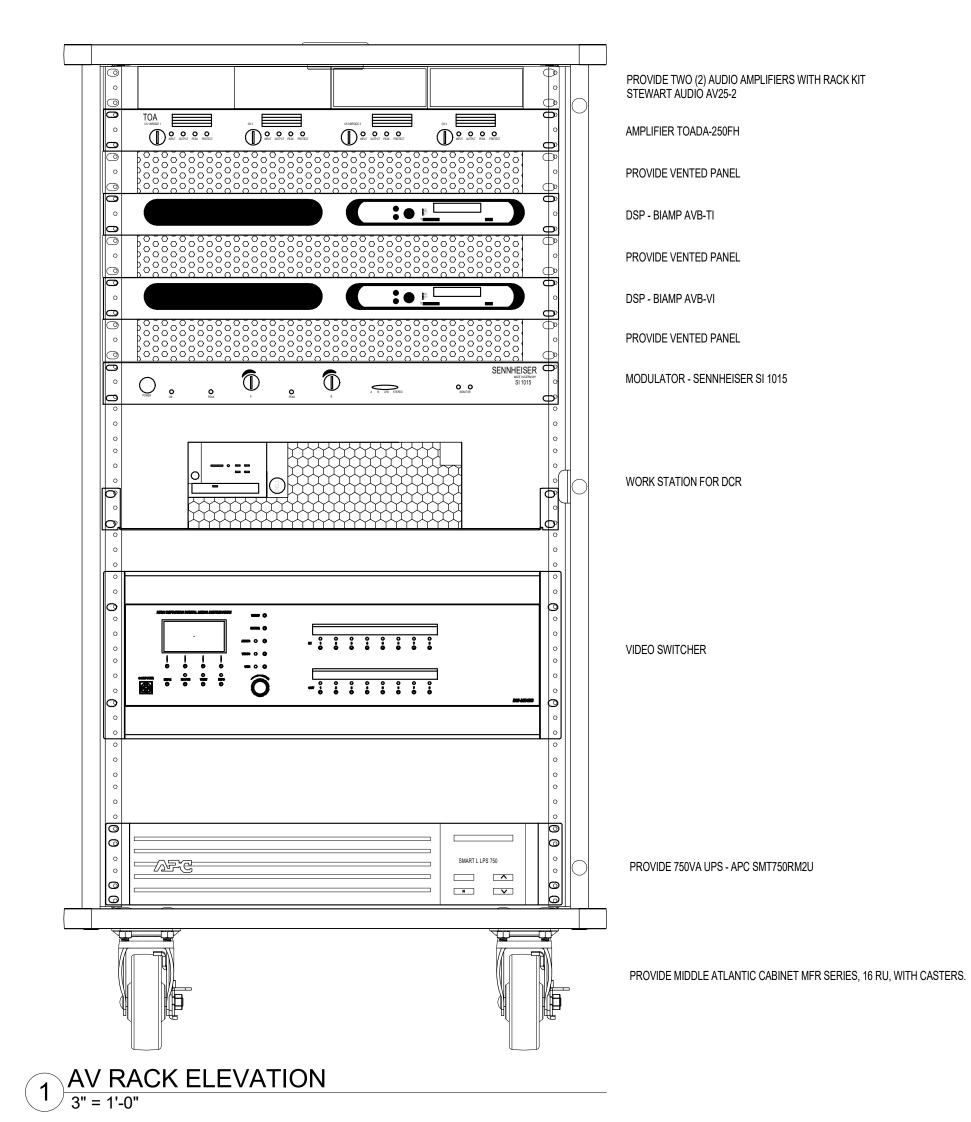
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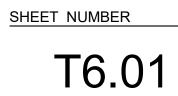
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DF	RAWING	HISTORY
Nº.	DATE	DESCRIPTION
	01/29/18	100% CONSTRUCTION DOCS
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REGISTRATION



Owner





SHEET TITLE RACK ELEVATIONS

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

KEY PLAN

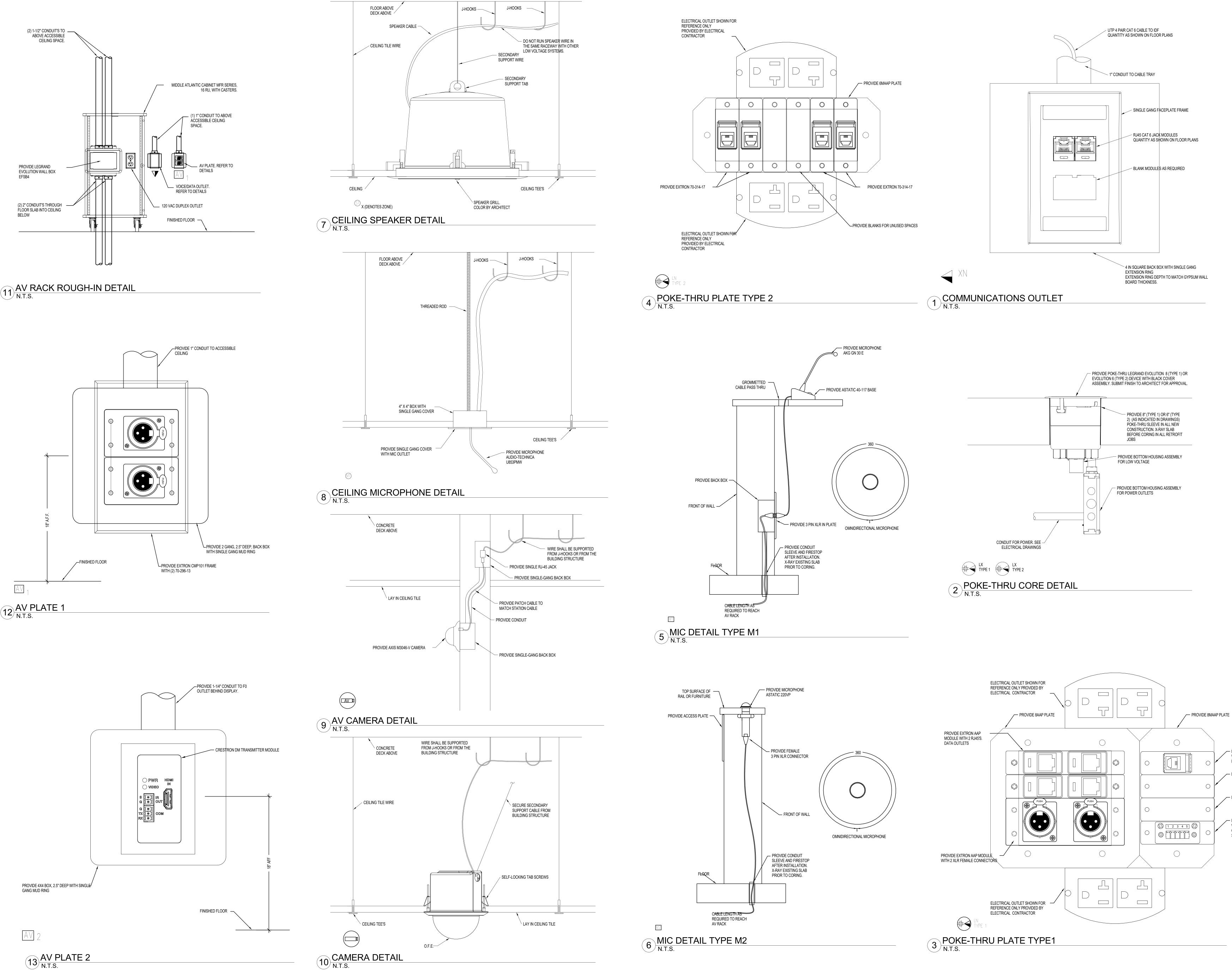
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	FLORI	DA LICENSE #48022
DF	RAWING	HISTORY
Nº.	DATE	DESCRIPTION
	01/29/18	100% CONSTRUCTION DOCS

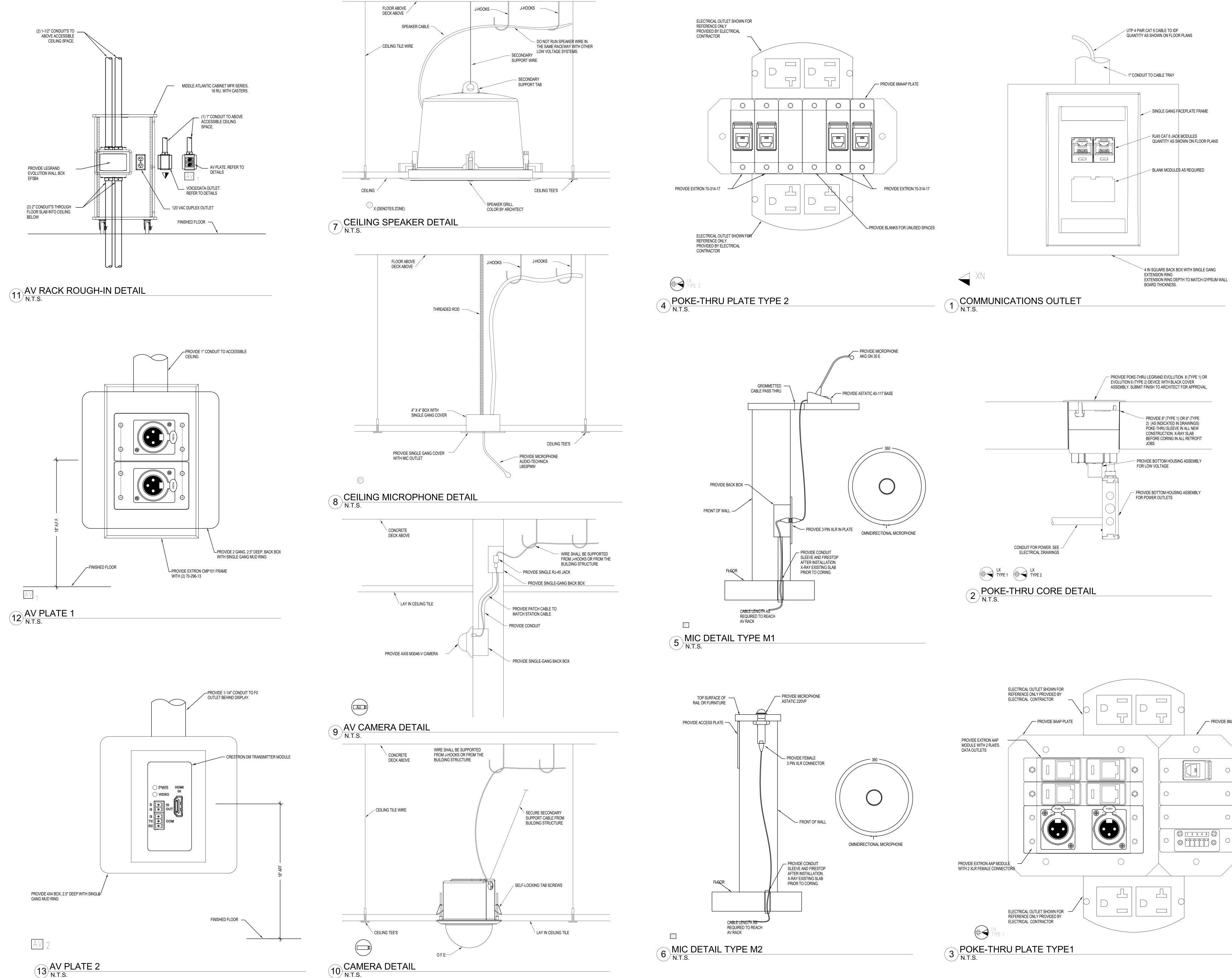
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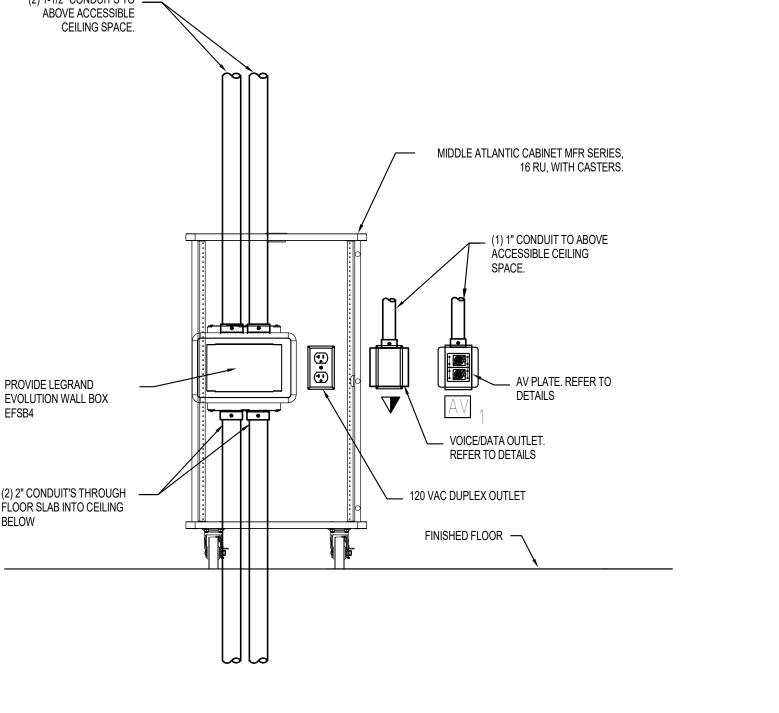


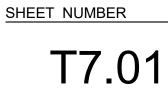












SHEET TITLE TECHNOLOGY DETAILS

PROJECT NUMBER 515063

VERO BEACH, FL 32960

COURT HOUSE PROJECT LOCATION 2000 16th Ave.

INTERIOR RENOVATION OF INDIAN **RIVER COUNTY**

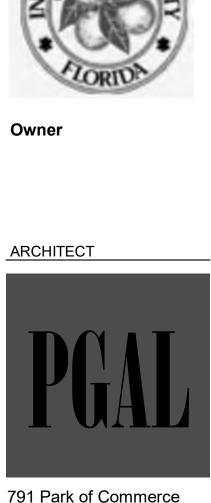
PROJECT NAME

KEY PLAN

		NCEF HADIJI P.E. DA LICENSE #48022
DF	RAWING	HISTORY
Nº.	DATE	DESCRIPTION
	01/29/18	100% CONSTRUCTION DOCS
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REGISTRATION





CLIENT

EXTRON MAAP WITH RJ-45

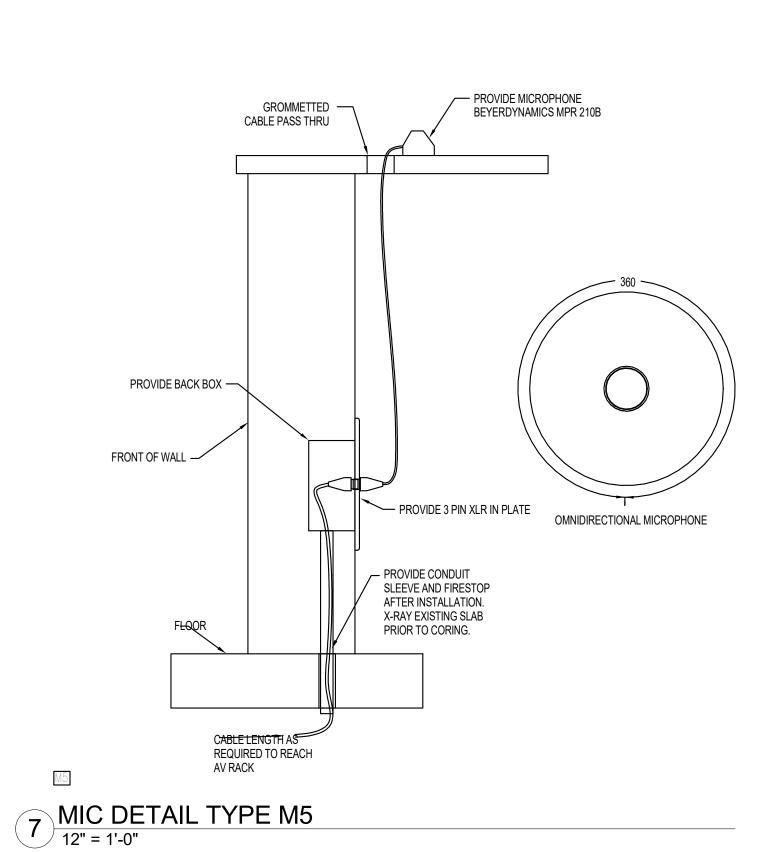
FOR DM

- BLANK MAAP

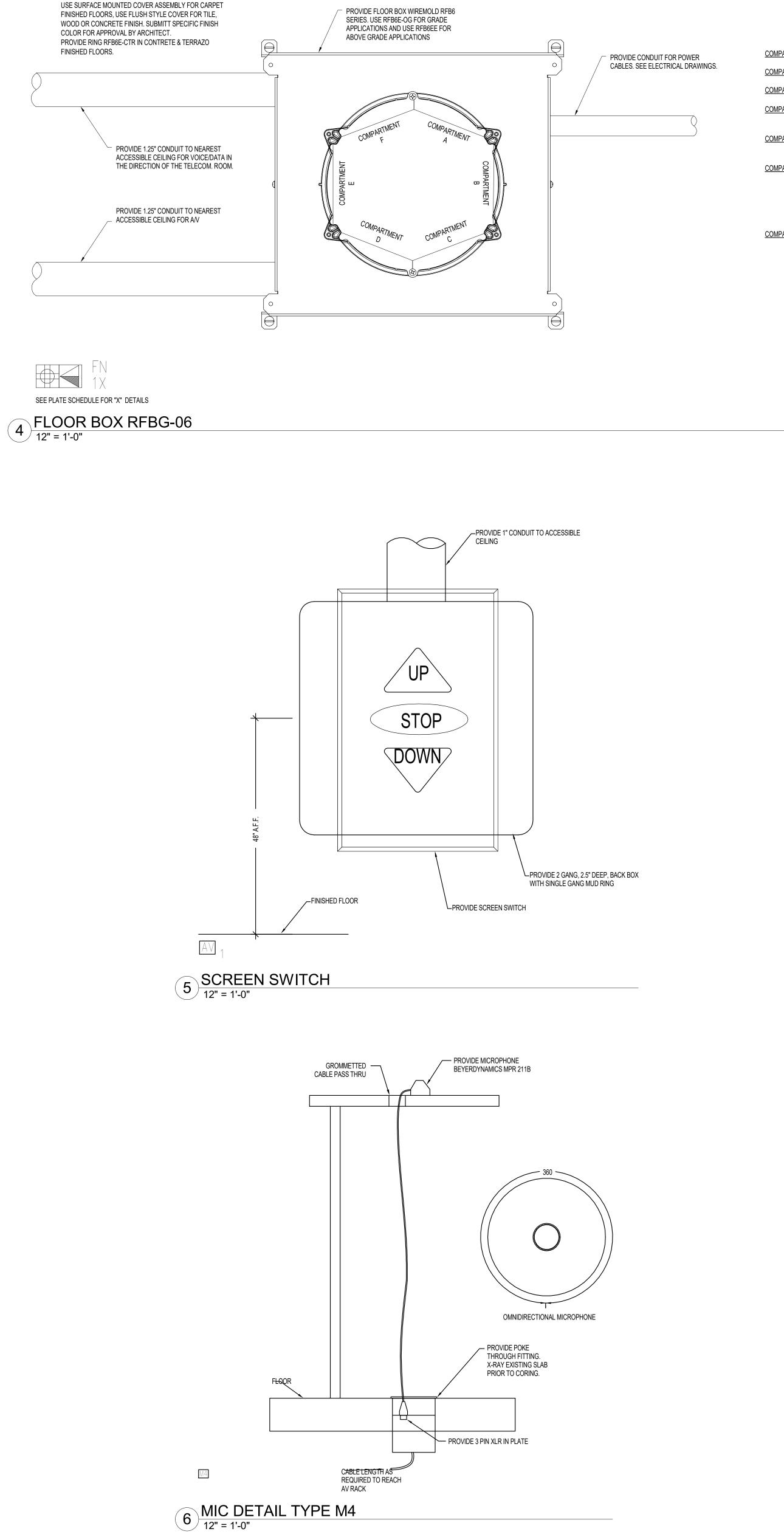
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- EXTRON MAAP

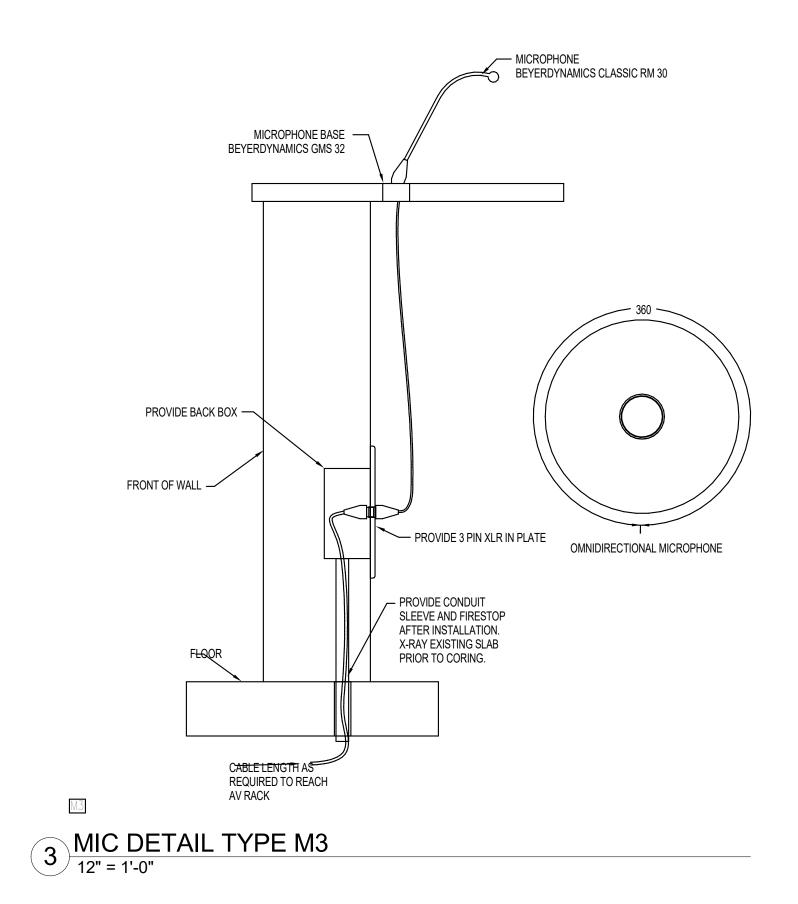
WITH PHOENIX CONNECTOR FOR SPEAKER



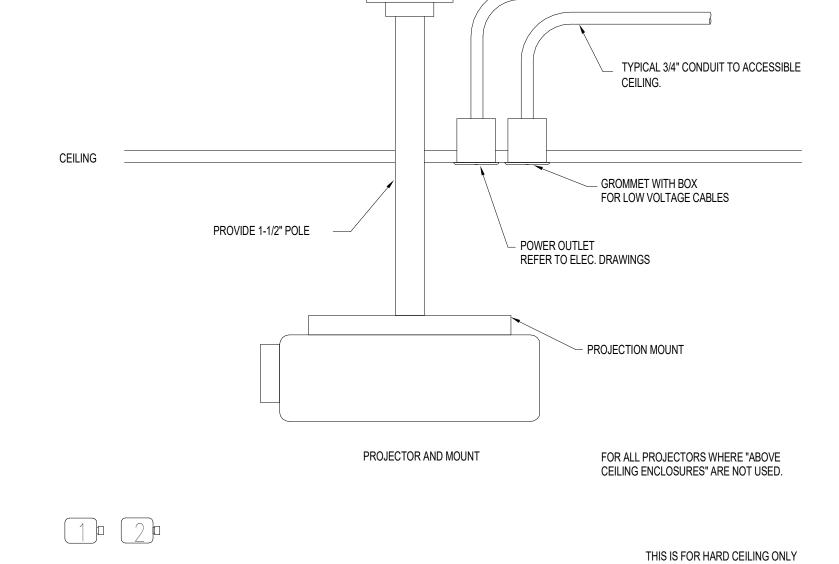




COVER ASSEMBLY



2 PROJECTOR MOUNT DETAIL 12" = 1'-0"



STRUCTURE △

/-- PROVIDE STRUCTURAL BRACKET

 \bigtriangleup \checkmark \bigtriangleup

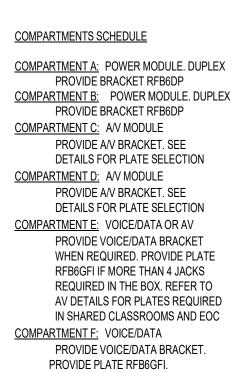
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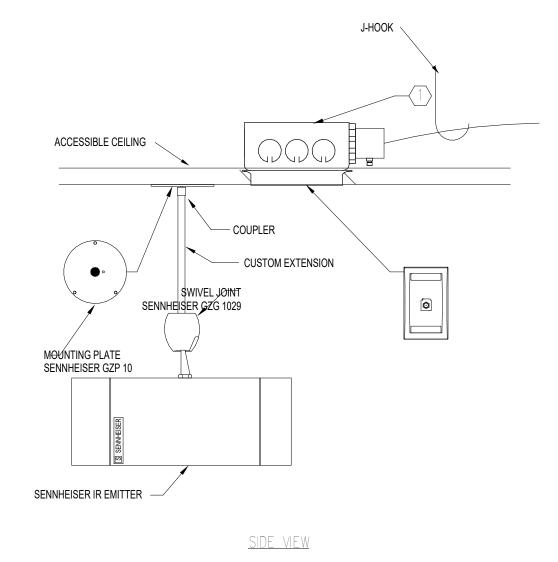
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KEYED NOTES: PROVIDE 4 - 146 " SQUARE BOX 2 - 16" DEEP WITH SINGLE DEVICE COVER ADAPTER ALT MOUNTING FOR ASSIS. 1 LISTENING TX N.T.S.

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 ${\scriptstyle \bigtriangleup}$







SHEET TITLE TECHNOLOGY DETAILS

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN **RIVER COUNTY** COURT HOUSE

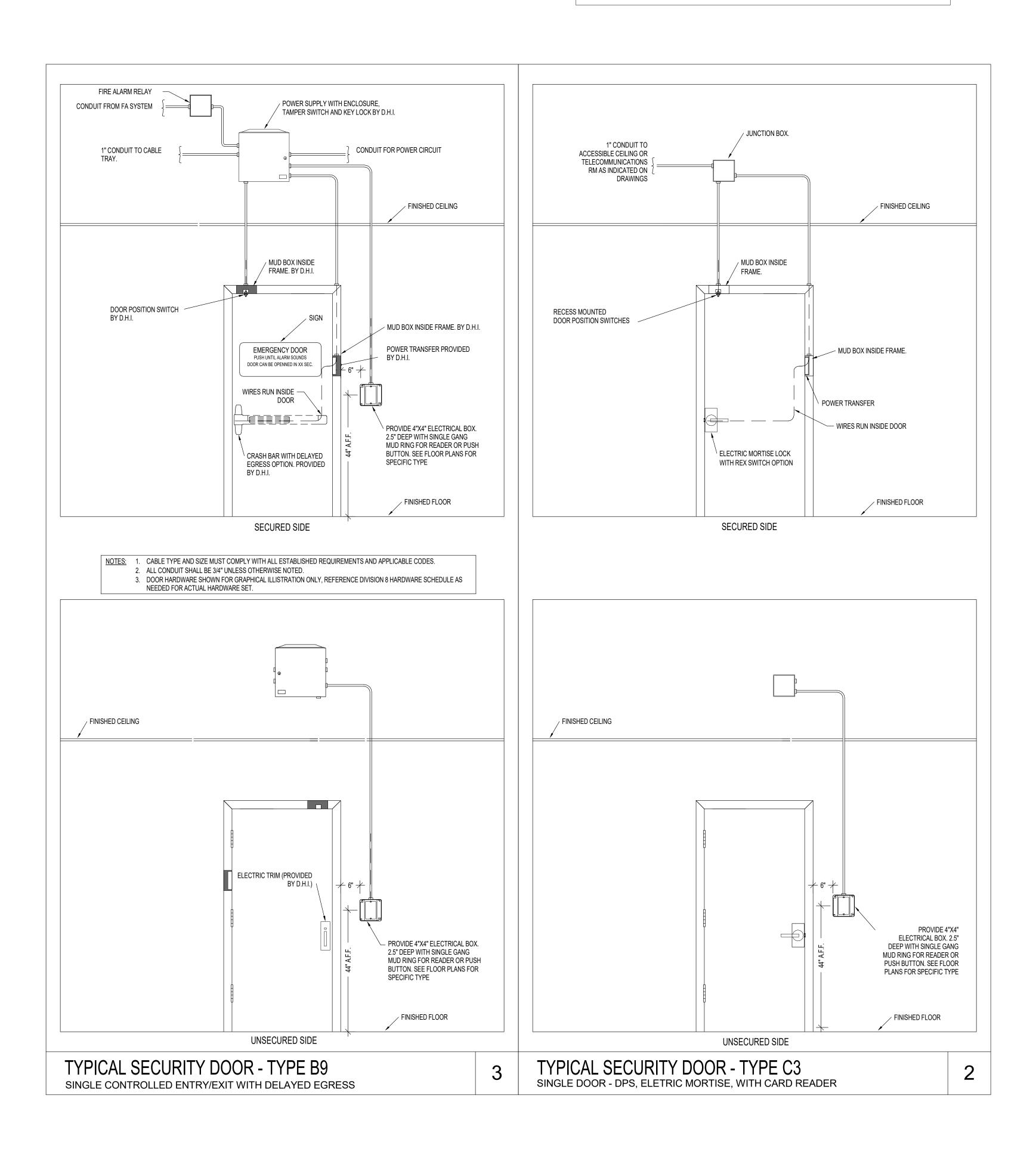
KEY PLAN

DRAWING HISTORY Nº. DATE DESCRIPTION 01/29/18 100% CONSTRUCTION DOG	
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REGISTRATION



DAFENAME: C:\Revit Local\515063T_Indian River Courthouse_Central_R18_joseph.mousa123.rvt STAMP: 10/11/2018 10:25:59 AM



 REFER TO ARCHITECS WALL ELEVATION FOR FINAL LOCATION OF ALL BOXES PRIOR TO ROUGH-IN.
 ROUGH-IN FOR LOCAL ALARM IS SHOWN IN ONE SIDE OF THE DOOR FOR DOOR TYPES WITH SUCH DEVICES, BUT THEY COULD BE IN EITHER SIDE OF THE DOOR. SEE FLOOR PLANS FOR EACH SPECIFIC DOOR TO SEE ON WHICH SIDE OF THE DOOR THEY NEED TO BE MOUNTED.
 ROUGH IN FOR STROBE LIGHT INDICATORS IS SHOWN FOR DOOR THAT COULD HAVE THESE DEVICES, BUT NOT ALL OF THE DOORS IN THOSE DOOR TYPES HAVE SUCH DEVICES. PLEASE REFER TO FLOOR PLANS TO DETERMINE IF

AN SPECIFIC DOOR HAS SUCH DEVICES OR NOT.

- CABLE TYPE AND SIZE MUST COMPLY WITH ALL ESTABLISHED REQUIREMENTS AND APPLICABLE CODES.
 ALL CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
 THE PURPOSE OF THESE DETAILS IS TO INDICATE ROUGH IN REQUIREMENTS. DOOR HARDWARE IS SHOWN ONLY FOR GRAPHICAL ILLUSTRATION. REFERENCE DIVISION 8 HARDWARE SCHEDULE FOR ACTUAL HARDWARE SETS IN EACH DOOR TYPE.
- THESE NOTES APPLY TO ALL DOOR ELEVATIONS ON THIS SHEET.



SHEET TITLE SECURITY DETAILS

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

PROJECT NAME INTERIOR RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

KEY PLAN

		ONCEF HADIJI P.E. DA LICENSE #48022
DF	RAWING	HISTORY
Nº.	DATE	DESCRIPTION
	01/29/18	100% CONSTRUCTION DOCS
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REGISTRATION



Owner

ARCHITECT

ELECTRICAL SYMBOL LEGEND **BASIC MATERIALS**

SYMBOL	DESCRIPTION
S ^a	SINGLE POLE SWITCH (SUBSCRIPT INDICATES ITEM CONTROLLED)
s ₃	THREE-WAY SWITCH
s ₄	FOUR-WAY SWITCH
s _{OS}	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH
S _{LV}	LOW-VOLTAGE SWITCH
OS	CEILING MOUNTED OCCUPACY SENSOR
	CEILING MOUNTED DAYLIGHT SENSOR
\ominus	DUPLEX RECEPTACLE
\square	FLOOR OUTLET BOX AND DUPLEX RECEPTACLE WITH APPROPRIATE FLANGE
\bigoplus	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
Ē	GFI RECEPTACLE
	GFI RECEPTACLE MOUNTED ABOVE COUNTER
\	TWO DUPLEX RECEPTACLES WITH COMMON COVER
Ĵ	JUNCTION BOX WALL MOUNTED
Ĵ	JUNCTION BOX CEILING MOUNTED
L <u>30AR</u>	FUSED DISCONNECT SWITCH AR DENOTES AMP RATING OF SWITCH AF DENOTES AMP FUSE SIZE
	BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, SURFACE MOUNTED
	BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS, SURFACE MOUNTED
	BRANCH CIRCUIT CONDUIT CONCEALED ABOVE CEILING OR IN WALL. CONDUIT SHALL INCLUDE PHASE, NEUTRAL AND GROUND CONDUCTORS AS REQUIRED FOR CIRCUITS (UNLESS OTHERWISE NOTED)
	EXISTING TO BE REMOVED
	EXISTING TO REMAIN

EXISTING TO REMAIN ----- NEW

LIGHTING

	FIXTURE DESIGNATION RECESSED LIGHT FIXTURE LOWER CASE LETTER INDICATES CONTROL CIRCUIT SWITCH LEG CIRCUIT NUMBER
	LIGHT FIXTURE SHADING DENOTES FIXTURE CONNECTED TO EMERGENCY CIRCUIT
0	RECESSED DOWNLIGHT FIXTURE
⊗	EXIT LIGHT FIXTURE, DIRECTION ARROWS AS SHOWN (SHADED QUADRANT INDICATES FACE(S) OF FIXTURE)
н⊗	WALL MOUNTED EXIT LIGHT FIXTURE
	FIRE ALARM
F	MANUAL PULL STATION
	CEILING SMOKE DETECTOR, PHOTOELECTRIC TYPE UNLESS OTHERWISE NOTED

F	MANUAL PULL STATION
\mathbf{X}	CEILING SMOKE DETECTOR, PHOTOELECTRIC TYPE UNLESS OTHERWISE NOTED
F⊲	COMBINATION HORN/STROBE, WALL MOUNTED CD = CANDELA RATING
-F	STROBE, WALL MOUNTED

ELECTRICAL DEMOLITION NOTES

- . DEVICES, LIGHT FIXTURES AND EQUIPMENT SHOWN IN DASHED LINE TYPE ARE EXISTING DEMOLISHED; DEVICES, LIGHT FIXTURES AND EQUIPMENT SHOWN IN LIGHT SOLID LINE T EXISTING TO REMAIN, UNLESS OTHERWISE NOTED. 2. EXISTING EQUIPMENT, LIGHT FIXTURES, DEVICES SHOWN ARE BASED ON FIELD SURVEY RECORD DRAWINGS PROVIDED BY THE OWNER, AND IS NOT NECESSARILY ALL INCLUSIV AREA AS FAR AS EXISTING ELECTRICAL EQUIPMENT, LIGHIT FIXTURES AND DEVICES. EX CIRCUITING SHOWN IS BASED ON RECORD DRAWINGS AND THE SURVEYED PANEL DIREC WHERE THEY WERE AVAILABLE. THE ACTUAL CONDITIONS MAY VARY. ALL EXISTING CON BE VERIFIED PRIOR TO BID. THE CONDITIONS SHOWN ARE INTENDED TO SHOW THE LOC/ EXISTING DEVICES, LIGHT FIXTURES AND EQUIPMENT, WHERE SHOWN ON THE PLAN DRA IN NO WAY RELIEVES THE CONTRACTOR FROM PROVIDING ANY AND ALL COORDINATION TO COMPLETE THE NEW WORK. FIELD CONDITIONS SHALL GOVERN. 3. WHERE EXISTING DEVICES ARE INDICATED TO REMAIN OR RELOCATED, LOCATED WITHIN OF THIS PROJECT AND EXISTING CIRCUITING INFORMATION IS UNAVAILABLE, CONTRACT PROVIDE CIRCUIT TRACING TO IDENTIFY PANEL AND CIRCUIT DEVICES ARE CONNECTED PROVIDE THAT INFORMATION TO A/E PRIOR TO ROUTING CONDUITS AND WIRING FOR NEW AND EQUIPMENT WITHIN THE SCOPE OF THIS PROJECT.
- 4. WHERE EXISTING DEVICES ARE TO REMAIN, CONTRACTOR MUST EXTEND EXISTING CIRCU WHERE NECESSARY TO MAINTAIN CONTINUITY OF CIRCUIT. 5. COORDINATE WITH THE OWNER FOR DISPOSITION OF ELECTRICAL ITEMS TO BE DEMOLIS
- OWNER SHALL HAVE THE OPTION TO RETAIN REUSABLE ITEMS SUCH AS COVERPLATES, RECEPTACLES, LIGHT FIXTURES, PANELBOARDS, TRANSFORMERS, ETC. NOT BEING USE FINISHED WORK. COORDINATE WITH THE OWNER PRIOR TO START OF DEMOLITION. PROF AND LEGALLY DISPOSE OF ALL EQUIPMENT AND MATERIALS BEING REMOVED.
- 6. COORDINATE EXACT AREAS, WALLS, CEILINGS, ETC. TO BE DEMOLISHED WITH ARCHITEC STRUCTURAL, PLUMBING AND MECHANICAL DEMOLITION PLANS.
- 7. WHERE EXISTING DEVICES, LIGHT FIXTURES AND EQUIPMENT ARE INDICATED TO BE DEM REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE PANEL OR TO NEAREST . BOX TO MAINTAIN CIRCUIT CONTINUITY OF DEVICES TO REMAIN AND EQUIPMENT TO REM WHERE PANELS ARE TO BE REMAIN, TURN BREAKER TO "OFF" POSITION AND LABEL THE AS "SPARE" ON THE PANEL DIRECTORY.
- 8. ALL AREAS OUTSIDE THE SCOPE OF CONSTRUCTION ARE TO REMAIN ENERGIZED. COOR PHASING WITH CONSTRUCTION MANAGER AND OWNER PRIOR TO DEMOLITION WHICH MA INTERRUPTION OF POWER.
- 9. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR EXTENT OF AREA REQUIRING DEMOLITION AND ADDITIONAL INFORMATION ON ELECTRICAL DEMOLITION WITHIN THAT A DISCONNECT ELECTRICAL SERVICE TO ALL EQUIPMENT BEING REMOVED. DEMOLITION S PHASED AS REQUIRED BY DIVISION 1, OR DIRECTED BY THE OWNER.
- 10. REMOVE ALL CONDUIT LEFT EXPOSED BY REMOVAL OF WALLS AND CEILINGS IN REMODE RENOVATED AREA. CAP BOTH ENDS OF REMAINING CONDUIT IN WALL OR FLOOR WHERE 1. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL OPENINGS IN EXISTING CONS REMOVAL OF EQUIPMENT AND ELECTRICAL DEVICES, UNLESS OTHERWISE NOTED ON A PLANS. REPAIRS ARE TO BE DONE TO LOGICAL EDGES OF SURFACES AFFECTED AND SH IMMEDIATE ADJACENT AREAS IN CONSTRUCTION, MATERIAL, FIRE RATING, FINISH AND
- 2. PROVIDE BLANK COVERPLATES WHERE DEVICES ARE BEING REMOVED FROM EXISTING \ REMAIN. MATCH COLOR OF NEW ADJACENT DEVICE COVERPLATES.
- 13. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT C OBTAIN CLARIFICATIONS FROM ARCHITECT/ENGINEER IF NECESSARY.
- 14. COORDINATE SERVICE INTERRUPTION WITH CONSTRUCTION MANAGER, OWNER, LANDLC UTILITY COMPANY, WHERE APPLICABLE, AND DO NOT INTERRUPT POWER WITHOUT WRIT PERMISSION. PROVIDE A MINIMUM OF ONE WEEK'S WRITTEN NOTIFICATION WHEN POWEF TO BE INTERRUPTED.
- 5. EXERCISE EXTREME CAUTION WHEN REMOVING/ RELOCATING WIRING AND EQUIPMENT. CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT OTHER WIRING DEVICES, EQUIPMENT FIXTURES THAT MAY BE CONNECTED TO THE SAME CIRCUIT REMAIN OPERATIONAL AND A 16. INFORMATION INDICATED IN THE DEMOLITION PORTION OF THE CONTRACT DRAWINGS IS DIAGRAMMATIC IN NATURE. FIELD VERIFY ELECTRICAL CIRCUIT HOMERUNS TO ALL ELEC
- ITEMS SCHEDULED TO BE DEMOLISHED AND PERFORM THE WORK AS INTENDED AND DE ON THE DRAWINGS. . UPDATE ALL EXISTING ELECTRICAL EQUIPMENT NAMEPLATES AND DIRECTORIES AS NEC
- TO REFLECT FINAL AS-BUILT CONDITIONS AT THE END OF CONSTRUCTION. 18. STORE ITEMS INDICATED TO BE RETURNED TO THE OWNER IN A DRY, CLEAN AND PROTEC
- AREA. NOTIFY OWNER WHEN ITEMS ARE READY TO BE REMOVED. 19. SCHEDULE ALL POWER INTERRUPTION WITH OWNER FOR EXACT DATE, TIME AND DURAT PROVIDE A MINIMUM OF 72 HOURS NOTICE PRIOR TO DISCONNECTING ANY POWER TO PORTION OF THE BUILDING, AND MAKE ARRANGEMENTS TO MAINTAIN POWER TO ALL C EQUIPMENT AS NEEDED AND REQUESTED BY THE OWNER PRIOR TO COMMENCEMENT
- 20. THE DEMOLITION PLAN IS NOT INCLUSIVE OF ALL ELECTRICAL DEVICES WITHIN THE PRO AREA. IT IS INTENDED TO PROVIDE A GENERAL KNOWLEDGE OF THE EXISTING CONDITION WITHIN THE PROJECT AREA. ANY DISCREPANCIES OR CONDITIONS NOT SHOWN ON THE SHALL BE BROUGHT TO THE ATTENTION OF THE A/E. THE CONTRACTOR IS RESPONSIBL REQUIRED ELECTRICAL DEMOLITION WHETHER INDICATED ON THE PLANS OR NOT. 21. ALL CONDUITS SERVING OTHER SPACES THAT RUN THROUGH THE PROJECT AREA SHAL
- ACTIVE DURING CONSTRUCTION SO AS NOT TO CAUSE DISRUPTION TO THESE OTHER S ENSURE THAT ALL CONDUITS, NEW OR EXISTING WITHIN THE PROJECT AREA ARE PROP SUPPORTED IN ACCORDANCE WITH THE NEC. 22. REMOVE ALL ABANDONED WIRING AND CONDUIT THAT IS WITHIN THE PROJECT AREA PR THE END OF CONSTRUCTION.

ES	ELECTRICAL GE	ENEF
NG TO BE E TYPE ARE	1. THE DRAWINGS AND APPLICABLE SPECIFICATIONS SHALL BE CONSIDERED SUPPLEMENTARY, ONE TO THE OTHER AND ARE CONSIDERED THE "CONTRACT DOCUMENTS". ALL WORKMANSHIP, METHODS AND/OR MATERIALS DESCRIBED OR IMPLIED BY ONE AND NOT DESCRIBED OR IMPLIED BY THE OTHER SHALL BE DROVIDED. FURNISHED OR DEPEORMED AS IN THAD ADDEADED IN BOTH	35.
EYS AND SIVE IN EVERY EXISTING	THE OTHER SHALL BE PROVIDED, FURNISHED OR PERFORMED AS IF IT HAD APPEARED IN BOTH SECTIONS. THE TERM "CONTRACT DOCUMENTS" DESCRIBED HEREIN IS NOT LIMITED SOLELY TO THE ELECTRICAL PORTION OF THE DRAWINGS AND SPECIFICATIONS, BUT ENCOMPASSES THE DRAWINGS AND SPECIFICATIONS OF ALL DIVISIONS AS A WHOLE.	36.
RECTORIES, ONDITIONS MUST DCATIONS OF DRAWINGS, AND ON NECESSARY	 PROVIDE AN OPERATING AND MAINTENANCE MANUAL TO OWNER PRIOR TO THE FINAL ACCEPTANCE. THE MANUAL SHALL INCLUDE, AS A MINIMUM, (1) SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. ALSO PROVIDE TWO OPERATIONS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED 	37.
HIN THE SCOPE CTOR IS TO ED TO AND NEW DEVICES	 ROUTINE MAINTENANCE ACTIONS AND METHOD OF OPERATION FOR EQUIPMENT SHALL BE CLEARLY IDENTIFIED, AND THE NAME, PHONE NUMBER AND ADDRESS OF AT LEAST ONE QUALIFIED SERVICE AGENCY. INCLUDE ALL COSTS FOR EXCAVATION, SAW CUTTING, DIRECTIONAL BORING, CORE DRILLING, BACKFILLING, SURFACE RESTORATION, REPAIR OF FINISHES, ETC. THAT IS REQUIRED IN ORDER TO MEET THE PROJECT REQUIREMENTS. 	38.
RCUITING	4. INCLUDE IN BID ALL COSTS ASSOCIATED WITH TEMPORARY ELECTRICAL SERVICE AS REQUIRED FOR USE BY ALL TRADES DURING CONSTRUCTION. REMOVE TEMPORARY POWER AT THE COMPLETION OF THE PROJECT. OBTAIN AND PAY FOR ALL REQUIRED PERMITS FOR TEMPORARY POWER. ENGINEER OF RECORD SHALL BE PROVIDED WITH ADDITIONAL COMPENSATION FROM THE CONTRACTOR	
DLISHED. ES, SED IN THE ROPERLY	 WHERE SIGNED & SEALED DRAWINGS ARE REQUESTED BY THE CONTRACTOR TO THE ENGINEER OF RECORD IF REQUIRED BY THE AHJ FOR THE TEMPORARY POWER. 5. INCLUDE IN BID THE TRANSPORT AND DISPOSAL OR RECYLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL RULES, 	
ECTURAL,	REGULATIONS AND GUIDELINES APPLICABLE. COMPLY FULLY WITH FLORIDA STATUTES REGARDING MERCURY-CONTAINING DEVICES, AND WITH ALL DEP AND EPA APPLICABLE GUIDELINES AT THE TIME OF DISPOSAL. PROVIDE OWNER WITH WRITTEN CERTIFICATION OF ACCEPTED DISPOSAL.	
DEMOLISHED, BT JUNCTION REMAIN. HE CIRCUIT	6. VERIFY AND COORDINATE LOCATIONS OF ANY MISCELLANEOUS EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS (I.E., COPIERS, FAX MACHINES, PRINTERS, KITCHEN APPLIANCES, LAUNDRY APPLIANCES, PROJECTION SCREENS, SHOP TOOLS, MACHINE, ELEVATORS, ETC.) WITH APPROVED SHOP DRAWINGS, OWNER-PROVIDED CUT SHEETS, MANUFACTURER'S INSTRUCTIONS, AND EQUIPMENT NAMEPLATE INFORMATION, PRIOR TO ROUGH IN, AND PROVIDE ALL NECESSARY ELECTRICAL REQUIRED.	39. 40.
ORDINATE I MAY RESULT IN	 VERIFY AND COORDINATE LOCATIONS AND EXACT ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT PRIOR TO SUBMITTAL OF SHOP DRAWINGS OF ELECTRICAL EQUIPMENT. PROVIDE ALL NECESSARY RACEWAYS, CONDUCTORS, BOXES, EQUIPMENT, ACCESSORIES, ASSOCIATED DISCONNECT SWITCHES, CIRCUIT BREAKERS, CONTROL TRANSFORMERS, 	41.
G NT AREA. N SHALL BE	FIRE ALARM SHUTDOWN, ETC. REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE WITH APPROPRIATE TRADE'S APPROVED SHOP DRAWINGS, MANUFACTURER'S INSTRUCTIONS, AND EQUIPMENT NAMEPLATE INFORMATION, PRIOR TO ROUGH IN, AND PROVIDE ALL NECESSARY ELECTRICAL REQUIRED, UNLESS OTHERWISE NOTED.	42. 43.
DDELED OR RE CUT.	 ALL WORK ON THE ELECTRICAL SYSTEM REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE COORDINATED WITH THE WORK OF ALL OTHER DIVISIONS/TRADES PRIOR TO COMMENCEMENT OF WORK. AVOID INTERFERENCES WITH THE PROGRESS OF OTHER DIVISIONS/TRADES. 	44.
NNSTRUCTION AFTER I ARCHITECTURAL SHALL MATCH) COLOR.	 COORDINATE RECEPTACLE LOCATIONS WITH TECHNOLOGY DRAWINGS OR OWNER'S VENDOR DRAWINGS SO THAT A 120V 20A 5-20R RECEPTACLE IS LOCATED ADJACENT TO EACH VOICE/DATA OUTLET AND TV OUTLET INDICATED ON PLANS. RECEPTACLE IS TO BE CONNECTED TO NEAREST 120V 	45.
IG WALLS TO T OF WORK AND	RECEPTACLE CIRCUIT, UNLESS OTHERWISE NOTED ON PLANS. 10. WHERE A DISCREPANCY OR CONFLICT IS FOUND BETWEEN ONE DRAWING AND ANOTHER, OR BETWEEN A DRAWING AND APPLICABLE SPECIFICATIONS, NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IN WRITTEN FORM. IN GENERAL, THE MOST STRINGENT REQUIREMENT SHALL GOVERN	46.
DLORD, AND /RITTEN WER IS DESIRED	UNLESS THE DISCREPANCY CONFLICTS WITH APPLICABLE CODES OR OWNER'S DESIGN STANDARDS, WHEREIN THE CODE OR OWNER'S DESIGN STANDARDS SHALL GOVERN. 11. CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND/OR SITE AFFECTED BY THIS WORK	
NT. IT IS THE ENT AND LIGHT ND ACTIVE.	PRIOR TO SUBMITTAL BID PRICE, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT MAY AFFECT EXECUTION OF THE WORK. SUBMISSION OF A BID PRICE SHALL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT AND/OR MATERIALS REQUIRED DUE TO DIFFICULTIES ENCOUNTERED THAT COULD HAVE BEEN REASONABLY OBSERVED WILL NOT BE RECOGNIZED.	47.
S IS ECTRICAL DEPICTED	12. COORDINATE ALL PROJECT SCHEDULING AND PHASING REQUIREMENTS WITH ARCHITECT/ENGINEER AND OWNER PRIOR TO SUBMITTING BID PRICE. THIS PROJECT MAY REQUIRE PHASING SEQUENCES AND POTENTIAL PREMIUM TIME WORK AND ALL COSTS FOR SUCH SHALL BE INCLUDED IN THE BID PRICE.	48.
ECESSARY	 PROVIDE ADEQUATE WORK FORCE AND EQUIPMENT, AND INCLUDE PREMIUM TIME AS MAY BE REQUIRED IN ORDER TO ADHERE TO THE PROJECT SCHEDULE. ADDITIONALLY, ENSURE THAT LONG LEAD ITEMS DO NOT IMPACT THE PROJECT'S SCHEDULE OR PHASING. 13. CONDUCT WORK OPERATIONS AND DEBRIS REMOVAL IN A MANNER THAT ENSURES MINIMUM 	49.
RATION. D ANY	INTERFERENCE WITH NORMAL BUSINESS OPERATIONS, TRAFFIC, PARKING, ETC. ONGOING IN ADJACENT OCCUPIED SPACES OR FACILITIES. PROVIDE ALL THAT IS REQUIRED TO EFFECTIVELY PROTECT SURROUNDING OCCUPANTS, EQUIPMENT, FINISHES, FURNITURE, ETC. FROM DAMAGE OR EXCESSIVE NOISE THROUGHOUT THE DURATION OF THIS PROJECT. CONTRACTOR IS RESPONSIBLE	
CRITICAL T OF WORK. ROJECT FIONS	FOR ANY LOSSES OR DAMAGE. ANY DAMAGE RESULTING FROM THE FAILURE TO ADHERE TO THIS REQUIREMENT. RESTORE DAMAGED ELEMENTS TO ORIGINAL CONDITION BY THE CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT/ENGINEER AND OWNER, AT NO ADDITIONAL COSTS. REPORT OF ANY SUCH OCCURRENCE TO THE ARCHITECT/ENGINEER AND OWNER IMMEDIATELY AND AWAIT	50. 51.
HE PLAN BLE FOR ALL	 WRITTEN DIRECTION PRIOR TO PROCEEDING WITH REPAIRS. 14. COORDINATE THE LOCATION OF ALL LIGHT FIXTURES, DEVICES AND BOXES WITH WINDOWS, MIRRORS, MILLWORK, CABINETS, GLASS CURTAIN WALLS, AND GLASS WALLS PRIOR TO INSTALLATION OF CONDUITS OF POYES. DEVIEW ALL CONTRACT PRAVINES TO ASSEDTAIN ANY. 	52.
ALL REMAIN SPACES. DPERLY	INSTALLATION OF CONDUITS OR BOXES. REVIEW ALL CONTRACT DRAWINGS TO ASCERTAIN ANY CONFLICTS PRIOR TO BIDDING. OBTAIN CLARIFICATION FROM A/E PRIOR TO BID. CONTRACTOR SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION FOR WORK REQUIRED TO RELOCATE OUTLET BOXES OR RACEWAYS FOR COORDINATION WITH OTHER TRADE'S WORK.	53. 54.
PRIOR TO	 EQUIPMENT SHALL BE OF MATERIALS SUITABLE FOR AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED. ALL COMPONENTS OF THE ELECTRICAL SYSTEM LOCATED OUTDOORS OR INDOORS WHERE EXPOSED TO SIGNIFICANT MOISTURE SHALL BE WEATHERPROOF, NEMA 3R, AS A MINIMUM, WHETHER INDICATED ON THE CONTRACT DRAWINGS OR NOT. 	55. 56.
	 TERMINATION PROVISIONS FOR ALL ELECTRICAL EQUIPMENT (PANELBOARDS, SWITCHBOARD, TRANSFORMERS, DISCONNECT SWITCHES, MOTOR CONTROLLERS, AUTOMATIC TRANSFER SWITCHES, ENCLOSED CIRCUIT BREAKERS, WIREWAYS, ETC.) SHALL BE LISTED AND IDENTIFIED FOR USE WITH MINIMUM 75 DEG. F CONDUCTORS IN ACCORDANCE WITH NEC. 	
	 WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT SHALL BE IN COMPLIANCE WITH NEC. PROVIDE TYPED PANEL DIRECTORIES FOR ALL EXISTING PANELBOARDS AFFECTED BY THIS PROJECT. DIRECTORIES SHALL REFLECT PROJECT AS- BUILT CONDITIONS FOR ALL BRANCH CIRCUITS. DIRECTORIES 	
	 SHALL INCLUDE WHERE EACH PANEL IS FED FROM. ADDITIONALLY, EACH BRANCH CIRCUIT LOAD DESCRIPTION SHALL INCLUDE THE ROOM NUMBER(S) FOR EACH LOAD SERVICE (I.E., RECEPTACLES-RMS 501,503). ROOM NUMBERS SHALL BE BASED ON ACTUAL ROOM SIGNAGE INSTALLED IN FIELD. COORDINATE EXACT ROOM NUMBERS WITH A/E AND OWNER PRIOR TO COMPLETION OF PANEL DIRECTORIES. 19. PROVIDE LABELS ON THE INSIDE OF EACH DEVICE COVERPLATE, IDENTIFYING THE PANEL(S)/ CIRCUIT 	57.
	 NUMBER(S) DEVICE IS CONNECTED TO. 20. PROVIDE NEATLY, HANDWRITTEN IDENTIFICATION ON THE EXTERIOR COVER OF ALL JUNCTION BOXES, PULLBOXES AND WIREWAYS, IDENTIFYING THE PANEL(S)/ CIRCUIT NUMBER(S) CONTAINED WITHIN. 	58.
	 LIGHT SWITCHES SHALL BE MOUNTED 48 INCHES ABOVE FINISHED FLOOR TO CENTER LINE OF DEVICE, UNLESS OTHERWISE NOTED. RECEPTACLES, VOICE/DATA OUTLETS, WALL FURNITURE FEEDS SHALL BE MOUNTED 18 INCHES 	59.
	ABOVE FINISHED FLOOR TO CENTER LINE OF DEVICE, UNLESS OTHERWISE NOTED. ABOVE COUNTER RECEPTACLES SHALL BE MOUNTED 6" ABOVE BACK SPLASH TO CENTERLINE OF DEVICE, UNLESS OTHERWISE NOTED.	60.
	23. WHEN ELECTRICAL BOXES ARE LOCATED IN VERTICAL FIRE-RESISTIVE ASSEMBLIES, (CLASSIFIED AS FIRE/SMOKE AND SMOKE PARTITIONS), THEY SHALL BE INSTALLED WITHOUT AFFECTING THE FIRE CLASSIFICATION. ALL OF THE FOLLOWING CONDITIONS SHALL BE MET:	61.
	A. ALL ELECTRICAL BOXES SHALL BE METALLIC.B. BOX OPENING SHALL OCCUR ONLY ON ONE SIDE OF FRAMING SPACE.	62.
	C. BOX OPENING SHALL NOT EXCEED 16 SQUARE INCHES.D. ALL CLEARANCES BETWEEN OUTLET BOX AND GYPSUM BOARD SHALL BE	63.
	COMPLETELY FILLED WITH JOINT COMPOUND (OR OTHER APPROVED MATERIAL). E. PROVIDE A WALL AROUND OUTLETS LARGER THAN 16 SQUARE INCHES. THE INTEGRITY OF THE WALL RATING SHALL BE MAINTAINED.	64.
	F. THE TOTAL AGGREGATE SURFACE AREA OF THE BOXES SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET.	65.
	G. OUTLET BOXES LOCATED ON OPPOSITE SIDES OF FIRE RESISTIVE ASSEMBLIES SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.	
	 H. OUTLET BOXES SHALL BE SECURELY FASTENED TO WALL FRAMING MEMBERS. I. THE OPENING IN THE GYPSUM BOARD FACING SHALL BE CUT NOT TO EXCEED 1/8 INCH BETWEEN THE EDGES OF THE OUTLET BOX AND THE EDGES OF THE OPENING. 	66.
	24. IT IS THE INTENT THAT ALL DEVICE OUTLET BOXES (POWER AND SYSTEMS) BE FLUSH MOUNTED IN WALLS, CEILINGS OR FLOORS, AND JUNCTION BOXES FLUSH MOUNTED IN WALLS, CEILINGS, OR FLOORS, OR CONCEALED ABOVE ACCESSIBLE CEILINGS, AND NOT SURFACE MOUNTED, UNLESS	
	SPECIFICALLY NOTED ON THE CONTRACT DRAWINGS, OR UNLESS A/E GRANTS WRITTEN PERMISSION. 25. ALL COMPONENTS OF THE ELECTRICAL SYSTEM (INCLUDE RACEWAYS, ELECTRICAL EQUIPMENT, OUTLET BOXES, JUNCTION BOXES, ETC.) LOCATED IN A HAZARDOUS	67.
	 (CLASSIFIED) LOCATION SHALL BE APPROVED FOR USE IN SAID LOCATION, AS DEFINED BY THE NEC, WHETHER INDICATED ON THE CONTRACT DOCUMENTS OR NOT. 26. ALL DEVICES SHALL BE MOUNTED VERTICALLY, UNLESS OTHERWISE NOTED. 	
	27. WHERE DEVICES ARE SHOWN IN WALLS BACK-TO-BACK ON OPPOSITE SIDES, INSTALL SO THAT THEY ARE SEPARATED BY AT LEAST 12".	
	 FLEXIBLE METAL CONDUIT AND LIQUIDTIGHT METAL CONDUIT (FMC & LFMC) SHALL NOT BE USED IN LENGTHS THAT EXCEED 6'-0" UNLESS SPECIFICALLY NOTED OTHERWISE, OR UNLESS A/E GRANTS WRITTEN PERMISSION. ALL EEEDER AND RRANCH CIRCUIT CONDUCTORS, INCLUDING LOW VOLTAGE SYSTEMS, SHALL BE 	68.
	 ALL FEEDER AND BRANCH CIRCUIT CONDUCTORS, INCLUDING LOW VOLTAGE SYSTEMS, SHALL BE INSTALLED IN A COMPLETE RACEWAY SYSTEM (CONDUIT) UNLESS SPECIFIED NOTED OTHERWISE. THE USE OF ELECTRICAL NON-METALLIC TUBING (ENT) AND LIQUIDTIGHT FLEXIBLE NON-METALLIC CONDULT (LENC) ARE PROHIBITED UNLESS SPECIFICALLY NOTED OTHERWISE, OR UNLESS A/E OR 	
	 CONDUIT (LFNC) ARE PROHIBITED UNLESS SPECIFICALLY NOTED OTHERWISE, OR UNLESS A/E OR OWNER GRANTS WRITTEN PERMISSION. 31. NO PVC CONDUIT MAY BE USED INSIDE OF BUILDING UNLESS ROUTED UNDERGROUND, AND UNLESS OTHERWISE NOTED 	
	OTHERWISE NOTED. 32. ALL CONDUIT TERMINATIONS AT TERMINAL BOARDS ARE TO HAVE GROUNDING BUSHINGS AT CONDUIT ENDS.	
	 ALL CONDUITS ARE TO BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CONDITIONS (I.E., EXPOSED CEILINGS, BUILDING EXTERIOR WALL RUNS). CONCEAL ALL CONDUITS ABOVE CEILINGS OR IN WALLS AND MILLWORK. WHERE EXISTING CONDITIONS DICTATE THAT CONDUITS CANNOT BE CONCEALED, NOTIFY ARCHITECT/ENGINEER PRIOR TO INSTALLING CONDUIT FOR RESOLUTION TO ROUTING. SEAL ALL PENETRATIONS AND OPENINGS MADE DURING EXECUTION OF WORK IN FIRE-RATED WALLS. 	
	WALLS SHALL BE SEALED WITH UL-APPROVED PRODUCT WITH THE SAME OR GREATER RATING OF WALL PENETRATED.	

	PANEL SCHEDULES AND FLOOR PLANS MAY INDICATE DEDICATED HOMERUNS FOR EACH BRANCH CIRCUIT. BRANCH CIRCUITS MAY BE GROUPED IN A COMMON HOMERUN WHERE THE HOMERUN DO NOT EXCEED 3 PHASE CONDUCTORS, 3 NEUTRAL CONDUCTORS, AND 1 EQUIPMENT GROUND. THE HOMERUN RACEWAY SIZE AND CONDUCTOR SIZE SHALL BE INCREASED AS NECESSARY TO COMPL WITH THE NEC FOR 40% MAXIMUM FILL AND DERATING REQUIREMENTS.
	MINIMUM RACEWAY SIZE SHALL BE 3/4" UNLESS NOTED OTHERWISE. ALL WIRE SHALL BE SIZED AS SHOWN ON THE DRAWINGS. IF NO SIZE IS SHOWN, THEN WIRE SHALL
	#12 AWG, EXCEPT THAT BRANCH HOMERUNS OVER 100' IN LENGTH SHALL BE MINIMUM #10 AWG FOI 120/208 VOLT CIRCUITS, AND HOMERUNS OVER 200' IN LENGTH SHALL BE MINIMUM #10 AWG FOR
20	277/480 VOLT CIRCUITS. REFER TO BRANCH CIRCUIT VOLTAGE DROP TABLES BELOW. BRANCH CIRC WIRING SHALL BE SIZED TO LIMIT THE VOLTAGE DROP TO 3% OF NOMINAL VOLTAGE OR LESS.
38.	BRANCH CIRCUITS SHALL BE INCREASED IN SIZE AS REQUIRED TO COMPENSATE FOR VOLTAGE DRU FROM LENGTH OF CIRCUIT DUE TO FIELD ROUTING. FINAL INSTALLATION SHALL NOT EXCEED A MAXIMUM OF 3% VOLTAGE DROP FOR BRANCH CIRCUITS. REFER TO VOLTAGE DROP TABLE BELOW
	FOR CONDUCTOR SIZES FOR BRANCH CIRCUITS: 120V (BASED ON 1500W LOAD) MIN. CONDUCTOR SIZE
	CIRCUIT LENGTH INCREASE FOR VOLTAGE DROP
	0 FT - 70 FT #12 AWG 71 FT - 115 FT #10 AWG 116 FT - 180 FT #8 AWG
	181 FEET AND LONGER: SUBMIT WIRE SIZE TO ENGINEER OF RECORD FOR WRITTEN APPROVAL.
	277V (BASED ON 4155W LOAD) MIN. CONDUCTOR SIZE CIRCUIT LENGTH INCREASE FOR VOLTAGE DROP
	0 FT - 140 FT #12 AWG 141 FT - 220 FT #10 AWG
39.	221 FT - 350 FT#8 AWGALL WIRE SIZES ARE BASED ON AMPACITIES FOR 75 DEG. F TEMPERATURE RATING LISTED IN NEC.
40.	ALL CONDUCTORS IN CABINETS MUST BE CAREFULLY FORMED AND HARNESSED SO THAT EACH CONDUCTOR DROPS OFF DIRECTLY OPPOSITE TO TERMINAL.
41.	ALL CONDUCTORS SHALL BE COPPER, THHN/THWN , AND SOLID FOR #10 AWG AND SMALLER, AND STRANDED FOR #8 AWG AND LARGER.
42.	THE USE OF ALUMINUM CONDUCTORS, RACEWAYS, BOXES, BUSSING, WINDINGS, ETC. ARE
	PROHIBITED. ALL MATERIALS SHALL BE COPPER, UNLESS SPECIFICALLY NOTED OTHERWISE OR UNLESS A/E OR OWNER GRANTS WRITTEN PERMISSION.
	ALL FEEDERS AND BRANCH CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR. META RACEWAYS SHALL NOT BE USED AS EQUIPMENT GROUND.
	WHERE A PHASE CONDUCTOR IS INCREASED IN SIZE DUE TO VOLTAGE DROP, THE EQUIPMENT GROUND CONDUCTOR SHALL BE INCREASED IN SIZE PROPORTIONATELY.
45.	LIGHT FIXTURES SUPPORTED BY CEILING GRID SHALL BE SUPPORTED AS FOLLOWS: LIGHT FIXTURES WEIGHING LESS THAN 10 POUNDS SHALL HAVE 12-GAUGE HANGER WIRE CONNECTED
	FROM THE LIGHT FIXTURE TO THE STRUCTURE ABOVE. LIGHT FIXTURES WEIGHING 10 POUNDS OR MORE SHALL HAVE (2) 12-GAUGE HANGER WIRES ATTACHED AT OPPOSITE CORNERS OF THE LIGHT FIXTURE TO THE STRUCTURE ABOVE.
46.	COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES IN LAY-IN AND GYPBOARD CEILINGS WITH ARCHITECTURAL REFLECTED CEILING PLANS, AND WALL MOUNTED EXTERIOR AND INTERIOR LIGHT
	FIXTURES WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION. WHERE THE QUANTITY OF LIGHTS DIFFERS BETWEEN THE ARCHITECTURAL RCP AND THE ELECTRICAL LIGHTING PLANS, PROV THE HIGHEST QUANTITY OF FIXTURES IN THE BID PRICE. THE DISCREPANCY IN QUANTITY SHALL BE
	BROUGHT TO THE ATTENTION OF THE A/E. THE HIGHEST QUANTITY SHALL BE CIRCUITED TO THE LOCAL ROOM OR AREA LIGHTING CIRCUITS AND LIGHTING CONTROL DEVICES, UNLESS OTHERWISE DIRECTED IN WRITING BY THE ARCHITECT/ENGINEER.
47.	VERIFY ACTUAL CEILING CONSTRUCTION TYPE AS DEFINED ON THE ARCHITECTURAL DRAWINGS AN FURNISH ALL LIGHT FIXTURES WITH THE CORRECT MOUNTING DEVICES WHETHER OR NOT SUCH
	VARIATIONS ARE INDICATED BY THE LIGHT FIXTURE CATALOG NUMBER. VERIFY THE DEPTH OF ALL RECESSED LIGHT FIXTURES WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ORDERING LIGHT
40	FIXTURES. ANY DISCREPANCIES THAT WOULD CAUSE THE RECESSED LIGHT FIXTURES NOT TO FIT INTO CEILING SHALL BE REPORTED TO ARCHITECT/ENGINEER PRIOR TO ORDERING LIGHT FIXTURES
48.	LIGHT FIXTURES RECESSED IN FIRE-RATED CEILINGS SHALL BE PROVIDED WITH APPROVED FIRE-RATED ENCLOSURE WITH A FIRE RATING EQUAL TO THAT OF THE CEILING. PROVIDE A MINIMUM OF 3" CLEARANCE FROM SIDES AND TOP OF RECESSED LIGHT FIXTURES.
49.	MODIFY ALL LIGHT FIXTURE CATALOG NUMBERS AS REQUIRED TO COORDINATE WITH THE LIGHTING
	BRANCH CIRCUIT VOLTAGES INDICATED. COORDINATE THE CATALOG NUMBERS WITH THE EXACT FIXTURE MOUNTING AND TRIM REQUIRED BY THE CEILING IN WHICH EACH FIXTURE IS BEING INSTALLED.
50.	ALL LIGHT FIXTURES SHALL BE PROVIDED COMPLETE WITH LAMPS, UNLESS OTHERWISE NOTED.
51.	ALL EXIT LIGHTS, LIGHT FIXTURES INDICATED WITH UNSWITCHED CIRCUIT (NIGHTLIGHT N/L), EMERGENCY TWIN-HEAD FIXTURES WITH INTEGRAL BATTERY PACKS, AND BATTERY PACKS INTEGR
52.	TO LIGHT FIXTURES, SHALL BE WIRED AHEAD OF ANY LOCAL SWITCHING OR LIGHTING CONTROLS. PROVIDE ALL TEMPORARY NORMAL LIGHTING, EMERGENCY LIGHTING AND EXIT SIGNAGE
53.	REQUIRED DURING THE PROJECT CONSTRUCTION PHASE. REFER TO LIGHT FIXTURE SCHEDULE FOR LIGHT FIXTURE TYPES, DESCRIPTIONS, CATALOG NUMBE
	AND ADDITIONAL INFORMATION PERTINENT TO THE LIGHT FIXTURE OR INSTALLATION THEREOF. COORDINATE LIGHT FIXTURE TRIM TYPE AND FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.
	EACH LIGHTING CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL.
56.	PROVIDE AS PART OF BID PRICE, AN ADDITIVE ALTERNATE FOR THE SERVICES OF AN INDEPENDENT COMMISSIONING AGENT FOR THE LIGHTING SYSTEM FUNCTIONAL TESTING REQUIRED BY THE 2014
	FLORIDA ENERGY CONSERVATION CODE, INCLUDING ALL REQUIRED REPORTS. WHERE OCCUPANC SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULED LIGHTING CONTROLS, PHOTOSENSORS A DAYLIGHTING CONTROLS ARE INSTALLED. THE FOLLOWING PROCEDURES SHALL BE PERFORMED:
	 CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANCY SENSORS YIELD ACCEPTABLE PERFORMANCE.
	B. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULED LIGHTING CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
	C. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.
57.	THE DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EVERY DETAIL OF CONSTRUCTION, METHODS, MATERIALS AND EQUIPMENT, OR EXACT LOCATIONS, ROUTING, ETC.
	THEY INDICATE THE RESULT TO BE ACHIEVED BY THE ASSEMBLAGE OF SEVERAL SYSTEMS FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. DO NOT SCALE THE CONTRACT DOCUMENTS.
	COORDINATE EXACT EQUIPMENT LOCATIONS WITH THE ARCHITECTURAL, CIVIL AND STRUCTURAL CONTRACT DOCUMENTS, AS WELL AS FIELD CONDITIONS, APPROVED SHOP DRAWINGS AND WORK OF ALL OTHER DIVISIONS/TRADES.
58.	THE TERM "PROVIDE" USED IN THE CONTRACT DOCUMENTS INDICATES TO FURNISH AND INSTALL MATERIALS REQUIRED FOR CORRECT INSTALLATION OF A COMPLETE SYSTEM, UNLESS
50	SPECIFICALLY NOTED OTHERWISE. UNLESS NOTED AS EXISTING, ALL ELECTRICAL INDICATED ON THE CONTRACT DOCUMENTS
59.	SHALL BE NEW, SHALL BE U.L. LISTED, AND SHALL BEAR A U.L. LABEL. WHERE NO U.L. LABEL OR LISTING IS AVAILABLE, THE MATERIAL SHALL BE LISTED WITH AN APPROVED, NATIONALLY
60	RECOGNIZED ELECTRICAL TESTING AGENCY. PROVIDE EXPERIENCED, QUALIFIED AND RESPONSIBLE SUPERVISION FOR ALL WORK REQUIRED BY
	THE CONTRACT DOCUMENTS. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, TO THE SATISFACTION OF THE ARCHITECT/ENGINEER AND OWNER.
61.	CARRY ALL INSURANCE REQUIRED TO PROTECT AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THIS PROJECT.
62.	GUARANTEE ALL MATERIALS AND WORKMANSHIP ARE FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE ARCHITECT/ENGINEER AND
	OWNER, UNLESS OTHERWISE NOTED IN DIVISION 1. AT NO ADDITIONAL COSTS, PROVIDE THE CORRECTION OF ANY DEFECTS INCLUDING REPAIR OR REPLACEMENT.
63.	INCLUDE ALL COSTS ASSOCIATED WITH PERMITS, LICENSES, FEES, INSPECTIONS, TESTING AND TEMPORARY POWER IN THE BID PRICE, UNLESS NOTED OTHERWISE.
64.	IF HAZARDOUS MATERIALS ARE ENCOUNTERED, COMPLY WITH ALL APPLICABLE RULES, REGULATION AND GUIDELINES CONCERNING REMOVAL, HANDLING, DISPOSAL AND PROTECTION AGAINST
65.	ENVIRONMENTAL EXPOSURE OR POLLUTION. PROVIDE DOCUMENTATION OF SAID COMPLIANCE. PROVIDE ELECTRONIC SUBMITTALS (PRODUCT DATA & SHOP DRAWINGS) FOR EACH MAJOR
	COMPONENT OF THE ELECTRICAL SYSTEM FOR REVIEW BY THE A/E AND OWNER. MAJOR COMPONE INCLUDE, BUT ARE NOT LIMITED TO, RACEWAYS, BOXES, WIRE AND CABLE, EQUIPMENT, DEVICES, L FIXTURES, SWITCHGEAR, PANELBOARDS, CIRCUIT BREAKERS, SAFETY SWITCHES, FIRE ALARM SYS
	ETC. ALL SUBMITTALLS ARE TO BE REVIEWED AND APPROVED BY THE CONTRACTOR FOR CONFORMANCE WITH THE PROJECT REQUIREMENTS PRIOR TO SUBMITTING TO THE A/E. ALLOW A
66	MINIMUM OF TEN (10) BUSINESS DAYS FOR REVIEW BY A/E, UNLESS OTHERWISE NOTED IN DIVISION THE ELECTRICAL PORTION OF THE CONTRACT DOCUMENTS ARE COORDINATED WITH THE DESIGN I
UÖ.	THE ELECTRICAL PORTION OF THE CONTRACT DOCUMENTS ARE COORDINATED WITH THE DESIGN I EQUIPMENT SPECIFIED BY DIVISION 26 AND OTHER DIVISIONS. WHERE THE CONTRACTOR ELECTS T SUBSTITUTE A PRODUCT IN LIEU OF PROVIDING THE DESIGN BASIS, AND SAID SUBSTITUTION IS
	ACCEPTED BY THE A/E AND OWNER, THE CONTRACTOR SHALL MAKE ALL CORRECTIONS TO THE ELECTRICAL SYSTEM NECESSARY IN ORDER TO ENSURE A COMPLETE AND OPERATIONAL INSTALLA
	OF THE EQUIPMENT AT NO ADDITIONAL COSTS. WHERE THE CONTRACTOR'S DESIGN SUBSTITUTION RESULTS IN THE NEED FOR THE ENGINEER TO REVISE THE CONTRACT DOCUMENTS, THE ENGINEER RESERVES THE RIGHT TO REQUEST COMPENSATION FROM THE CONTRACTOR FOR SAID SERVICES
67.	MAINTAIN A CURRENT AND ACCURATE SET OF PROJECT RECORD DOCUMENTS (AS-BUILTS) AT THE
	THROUGHOUT THE DURATION OF THE PROJECT. RECORD DRAWINGS SHALL BE UPDATED EACH DA REFLECT THE ACTUAL LOCATIONS, SIZES, ROUTING, ETC. OF EACH PORTION OF THE ELECTRICAL SYSTEM AFFECTED BY THIS WORK. A FINAL SET OF RECORD DOCUMENTS SHALL BE ISSUED TO THE
	FOR REVIEW AND THEN SUBMITTED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF FINAL ACCEPTANCE. PROVIDE RECORD DRAWINGS OF THE ACTUAL INSTALLATION INCLUDING SINGLE LINI
	DIAGRAM, POWER RISER DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM, SITE PLAN AND ALL ELECTRICAL FLOOR PLANS, DETAILS, PANEL SCHEDULES, ETC.
68.	ALL WORK AND EQUIPMENT UNDER THIS DIVISION SHALL BE IN STRICT COMPLIANCE WITH THE COD STANDARDS AND PRACTICES LISTED HEREIN:
	 A. LIFE SAFETY CODE, NFPA 101. B. UNDERWRITERS LABORATORIES, INC. (UL) PUBLICATIONS. C. NATIONAL FIRE PROTECTION ASSOCIATION (NERA).
	 C. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). D. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI). E. NATIONAL ELECTRICAL CODE (NEC), 2014 EDITION.
	F. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
	G. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).
	 G. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA). H. REQUIREMENTS OF LOCAL POWER COMPANY. I. THE AMERICANS WITH DISABILITIES ACT (ADA).
	 G. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA). H. REQUIREMENTS OF LOCAL POWER COMPANY.

ABBREVIATIONS

	FIRE ALARM GENERAL NOTES	
I BRANCH MERUN DOES	 ALL FIRE ALARM EQUIPMENT IS TO BE NEW, UL LISTED FOR FIRE SERVICE, AND SHALL BE COMPATIBLE WITH THE SYSTEM BEING USED. 	
UND. THE TO COMPLY	 ALL WIRING AND CONDUIT IS TO CONFORM TO NEC ARTICLE 760. WIRING SHALL BE UL LISTED, MINIMUM 300V TYPE FPLP PLENUM RATED SOLID COPPER OR STANDARD COPPER WITH MAXIMUM 19 STRANDS. 	
/IRE SHALL BE 10 AWG FOR	 LOW VOLTAGE CONDUCTORS: PROVIDE CONDUCTORS IN ACCORDANCE WITH NFPA 70 AND NFPA 72, AND AS RECOMMENDED BY THE FIRE ALARM SYSTEM MANUFACTURER. CONDUCTORS SHALL BE COPPER, MINIMUM NO. 14 AWG, TWISTED SHIELDED PAIR. 	
VG FOR ANCH CIRCUIT .ESS.	4. SURVIVABILITY: A 2-HOUR RATED CABLE ASSEMBLY SHALL BE PROVIDED FOR NOTIFICATION APPLIANCE CIRCUITS AND ANY OTHER CIRCUITS NECESSARY FOR THE OPERATION OF THE NOTIFICATION APPLIANCE CIRCUITS FROM THE POINT AT WHICH THEY EXIT THE CONTROL UNIT UNTIL THE POINT THAT THEY ENTER THE NOTIFICATION ZONE THAT THEY SERVE.	
DLTAGE DROP EED A BLE BELOW	 MANUAL PULL STATIONS ARE TO BE INSTALLED AT 42" TO BOTTOM OF DEVICE AND NO HIGHER THAN 48" TO HANDLE ABOVE FINISHED FLOOR. 	
	 PROVIDE MINIMUM 3/4" CONDUIT AND WIRING BETWEEN EACH FIRE ALARM DEVICE AND FROM LAST DEVICE TO FACP UNLESS OTHERWISE NOTED. 	
	 PROVIDE FIRE ALARM RELAY AND DUCT DETECTOR CONNECTED TO FIRE ALARM SYSTEM, WITHIN 5' OF ALL DUCT PENETRATIONS THROUGH FIRE/SMOKE WALLS, WHETHER INDICATED ON ELECTRICAL OR MECHANICAL PLANS OR NOT. 	
	8. ALL STROBES SHALL ACTIVATE UPON INITIATION OF THE GENERAL ALARM.	
ROVAL.	 ALL STROBES SHALL BE INSTALLED PER ADA MOUNTING HEIGHT REQUIREMENTS. WALL MOUNTED STROBES SHALL BE INSTALLED SO THAT THE BOTTOM OF THE STROBE LENS IS 80" AFF. 	
	10. STROBES SHALL BE INSTALLED WITHIN 15' OF THE ENDS OF ALL CORRIDORS.	
	11. ALL NOTIFICATION APPLIANCES SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED.	
	12. FIRE ALARM NOTIFICATION AND INITIATING CIRCUITS SHALL BE CLASS "A".	
D IN NEC. T EACH	13. NOTIFICATION DEVICES SHALL BE ADDRESSABLE ELECTRIC-VIBRATING-POLARIZED HORNS, SELECTABLE FOR HIGH OR LOW dBA OUTPUT. THEY SHALL HAVE A SOUND PRESSURE LEVEL OF 90dBA MEASURED 10 FEET FROM HORN, USING CODED SIGNAL PER NFPA 72.	
LER, AND	14. ALL FIRE ALARM CABLE SHALL BE INSTALLED IN CONDUIT; NO FIRE ALARM CONDUIT SHALL BE INSTALLED UNDER SLAB. PROVIDE MANUFACTURED RED CONDUIT UNLESS OTHERWISE NOTED.	
RE ISE OR TOR. METAL PMENT	15. CONTRACTOR/VENDOR SHALL PREPARE FLORIDA LICENSE P.E. WORKING DRAWINGS INCORPORATING THE FIRE ALARM CRITERIA DESIGN AND CONFIRMING TO AHJ REQUIREMENTS. CONTRACTOR SHALL PROVIDE ALL MATERIAL REQUIRED PER AHJ AND DESIGN CRITERIA FOR A FULLY FUNCTIONING AND PERMITTABLE FIRE ALARM SYSTEM. SUBMIT TO DESIGN PROFESSIONAL AS A SHOP DRAWING FOR REVIEW. SUBMIT COMPLETE SIGNED & SEALED DRAWINGS TO PERMITTING AGENCY AND FOR CERTIFICATE OF OCCUPANCY. COMPLETED FIRE ALARM CERTIFICATION SHALL BE PROVIDED TO OWNER AT COMPLETION OF CONSTRUCTION.	
IT NECTED JUNDS OR THE LIGHT	 FIRE ALARM DESIGN IS IN ACCORDANCE WITH FLORIDA STATUTES CHAPTER 61G15-32. WHERE A FIRE ALARM RISER IS INDICATED, IT IS DIAGRAMMATIC IN NATURE AND NOT INTENDED TO REPRESENT A COMPLETE WIRING AND DEVICE DISPLAY. ALL WIRING AND DEVICES SHALL BE IN ACCORDANCE WITH SELECTED VENDOR'S POINT-BY-POINT WIRING DIAGRAM. REFER TO FLOOR PLAN FOR DESIGN INTENT AND PROPOSED QUANTITY OF FIRE ALARM SYSTEM COMPONENTS. SMOKE DETECTORS SHALL BE PHOTO-ELECTRIC ADDRESSABLE TYPE. 	
S WITH	17. SMOKE DETECTORS ARE TO BE INSTALLED PER NFPA 72. WALL MOUNTED SMOKE DETECTORS	
RIOR LIGHT ANTITY OF ANS, PROVIDE	SHALL BE MOUNTED 4"-12" BELOW THE CEILING AND AWAY FROM CORNERS. 19. ALL SMOKE DETECTORS SHALL BE INSTALLED A MINIMUM OF 36" AWAY FROM ANY SUPPLY OR	
SHALL BE TO THE THERWISE	RETURN AIR VENTS OR DIFFUSERS.	
AWINGS AND DT SUCH TH OF ALL I LIGHT OT TO FIT T FIXTURES.		
ED EA		
e lighting E exact Ing		
NOTED.		
//)		

AMPERES
AIR CONDITIONING
ALTERNATING CURRENT
ABOVE FINISHED FLOOR
ABOVE FINISHED GRADE
AIR HANDLING UNIT
AUTOMATIC TRANSFER SWITCH
AMERICAN WIRE GAUGE
CONDUIT
COMPACT FLUORESCENT LAMP
COUNTER HEIGHT
CONCRETE
CONDUIT
COPPER
DISCONNECT
EXISTING
ENCLOSED CIRCUIT BREAKER
ELECTRICAL
EMERGENCY
ENERGY MANAGEMENT SYSTEM
ELECTRICAL METALLIC TUBING
EXHAUST FAN
ELECTRIC WATER COOLER
EXPLOSION PROOF
FIRE ALARM
FIRE ALARM ANNUNCIATOR PANEL
FIRE ALARM CONTROL PANEL
FLORIDA POWER & LIGHT
GROUND FAULT INTERRUPTER
HEATING, VENTILATING AND
AIR CONDITIONING
HIGH INTENSITY DISCHARGE
JUNCTION
(THOUSAND) AMPERE INTERRUPTING CAPACITY
KILOVOLT-AMPERES
KILOWATT
LIGHTING
THOUSANDS OF CIRCULAR MILS
MASTER CONTROL UNIT
MOTOR CIRCUIT PROTECTION
METAL HALIDE
NOT APPLICABLE
NON-FUSED
NIGHT LIGHT
NATIONAL ELECTRICAL CODE
NOT IN CONTRACT
NIGHT LIGHT
NATIONAL ELECTRICAL
MANUFACTURERS ASSOCIATION
NATIONAL FIRE PROTECTION
ASSOCIATION
ON CENTER
POLE
PANELBOARD
POLYVINYL CHLORIDE
ROOM
RIGID GALVANIZED STEEL
SECURITY ELECTRONICS CONTRACTOR
SURGE PROTECTION DEVICE
SPECIFICATION
STAINLESS STEEL
TYPICAL
UNDERGROUND
UNLESS OTHERWISE NOTED
VOLTS
VARIABLE AIR VOLUME
VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE
WIRE
WIRE WIRE GUARD
WIRE GUARD WEATHERPROOF

ATS

CONC

COND

CU

DISC

ECB

FI F

FAAF

FACP

FPI

GND

GRC HVAC

H.I.D.

KVA

MCM

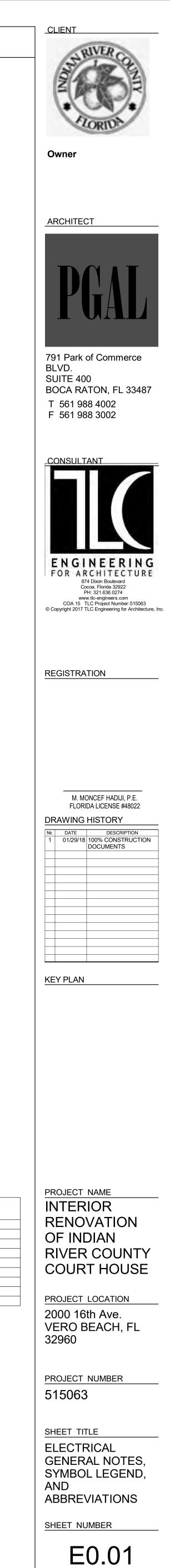
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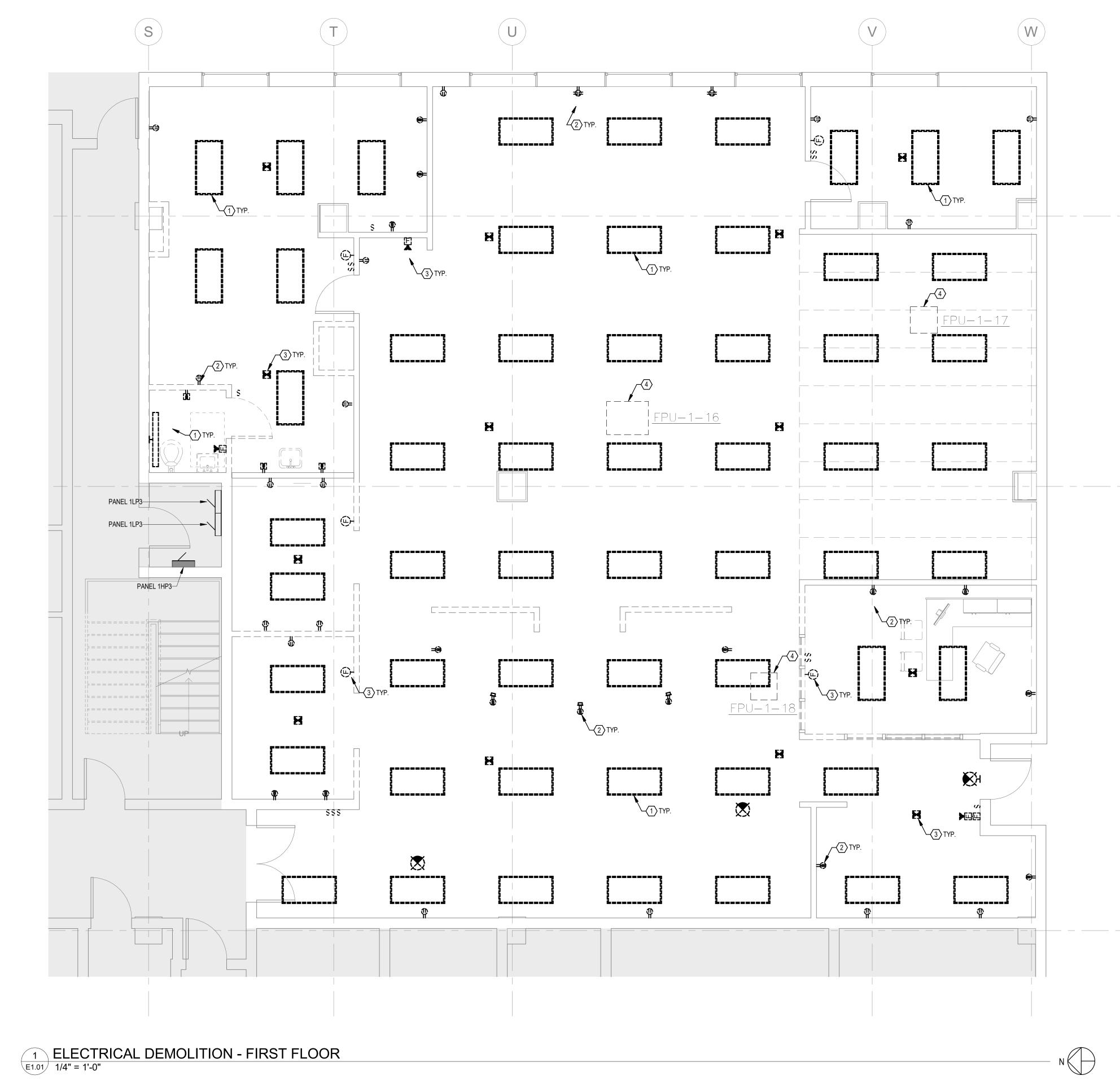
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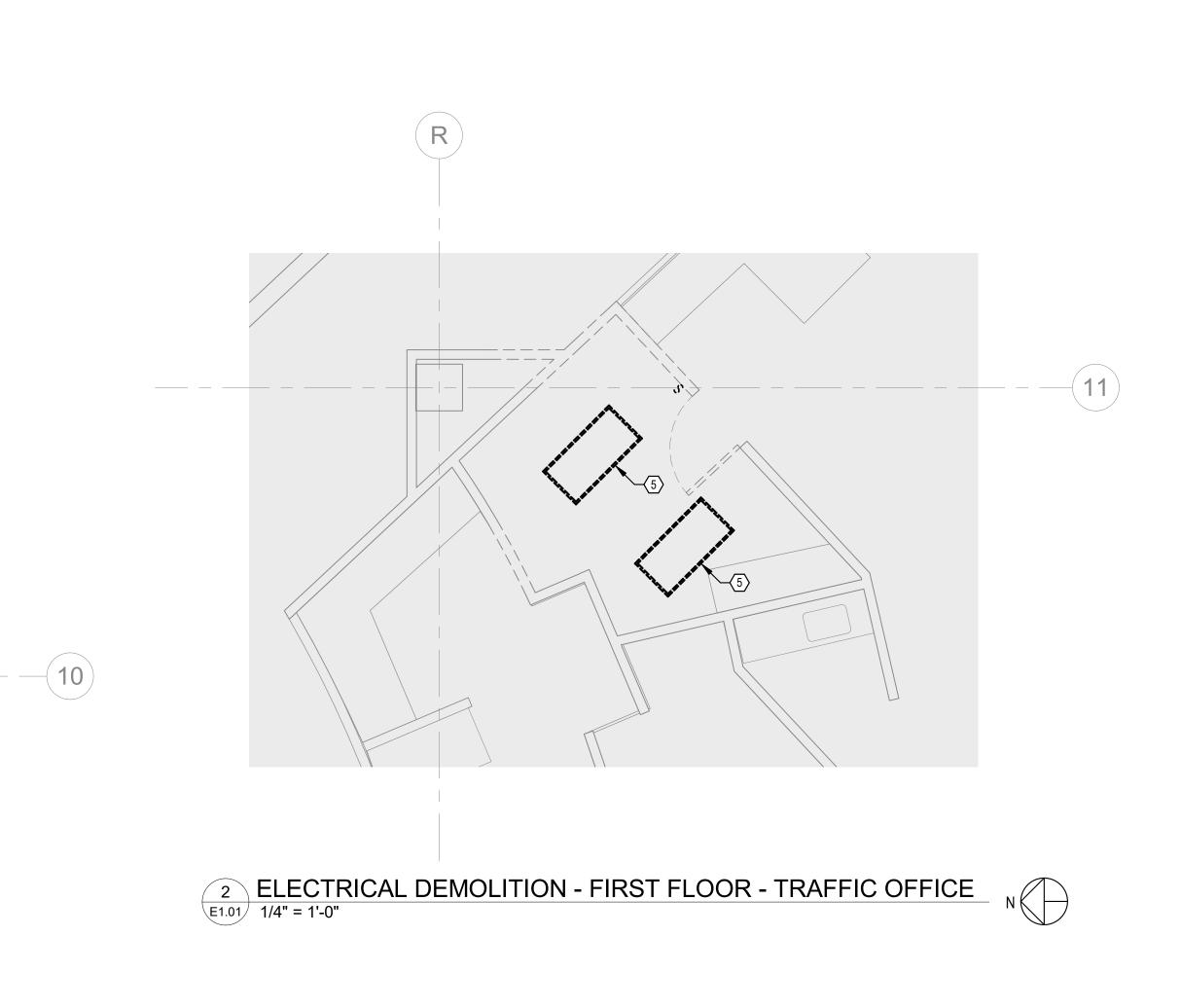
	ELECTRICAL DRAWING INDEX			
SHEET	DESCRIPTION			
E0.01	ELECTRICAL GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS			
E1.01	ELECTRICAL DEMOLITION PLAN - FIRST FLOOR			
E1.02	ELECTRICAL DEMOLITION PLAN - SECOND FLOOR			
E2.01	NEW WORK LIGHTING PLAN - FIRST FLOOR			
E2.02	NEW WORK LIGHTING PLAN - SECOND FLOOR			
E3.01	NEW WORK POWER PLAN - FIRST FLOOR			
E3.02	NEW WORK POWER PLAN - SECOND FLOOR			
E4.01	ELECTRICAL DETAILS AND SCHEDULES			





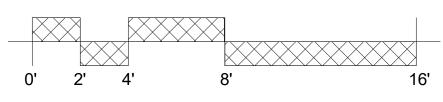
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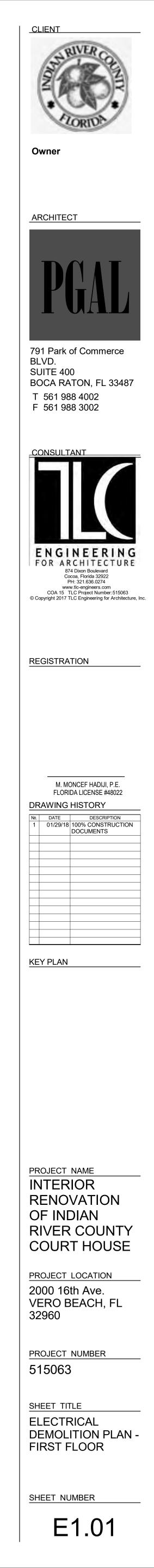
- (1) REMOVE EXISTING LIGHT FIXTURES. REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE.
- REMOVE EXISTING RECEPTACLE OUTLETS. REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE.
- 3 REMOVE EXISTING FIRE ALARM DEVICE. REMOVE EXISTING CONDUIT AND WIRING BACK TO LAST EXISTING TO REMAIN DEVICE ON SAME FIRE ALARM
- LOOP. 4 DISCONNECT EXISTING FAN. REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE.
- 5 REMOVE EXISTING LIGHT FIXTURE AND KEEP FOR RE-INSTALLATION. MAINTAIN EXISTING LIGHTING BRANCH CIRCUIT IN PLACE.

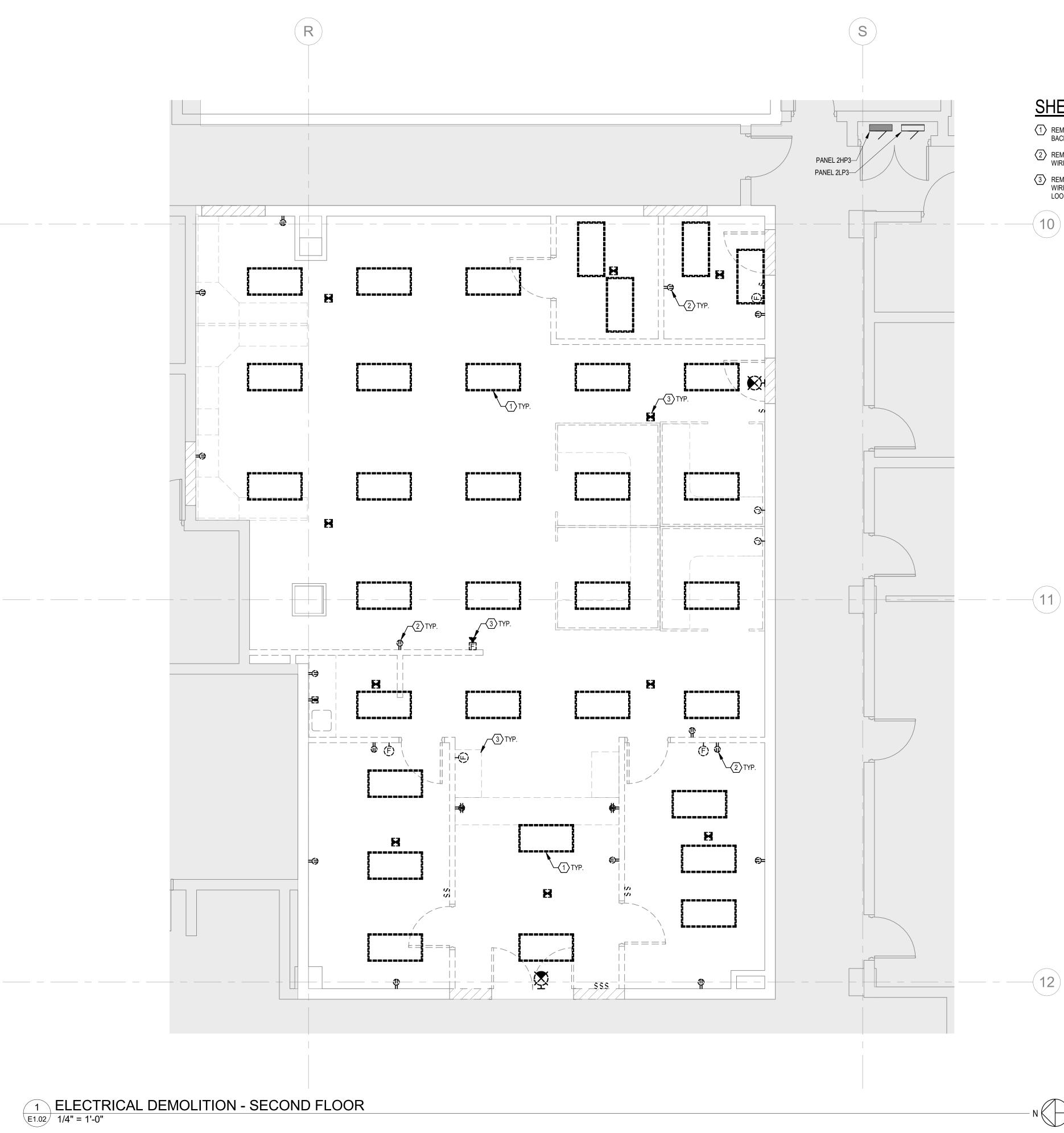


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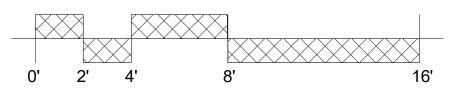


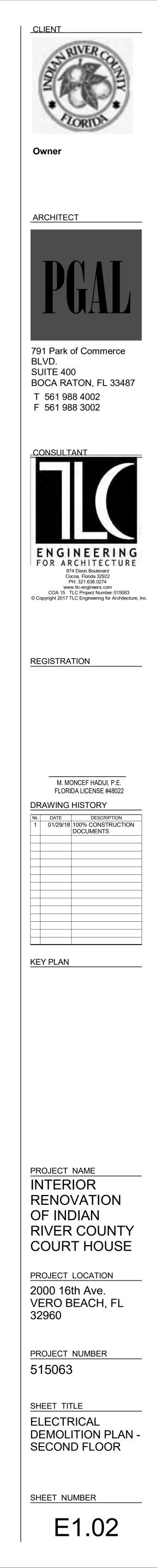


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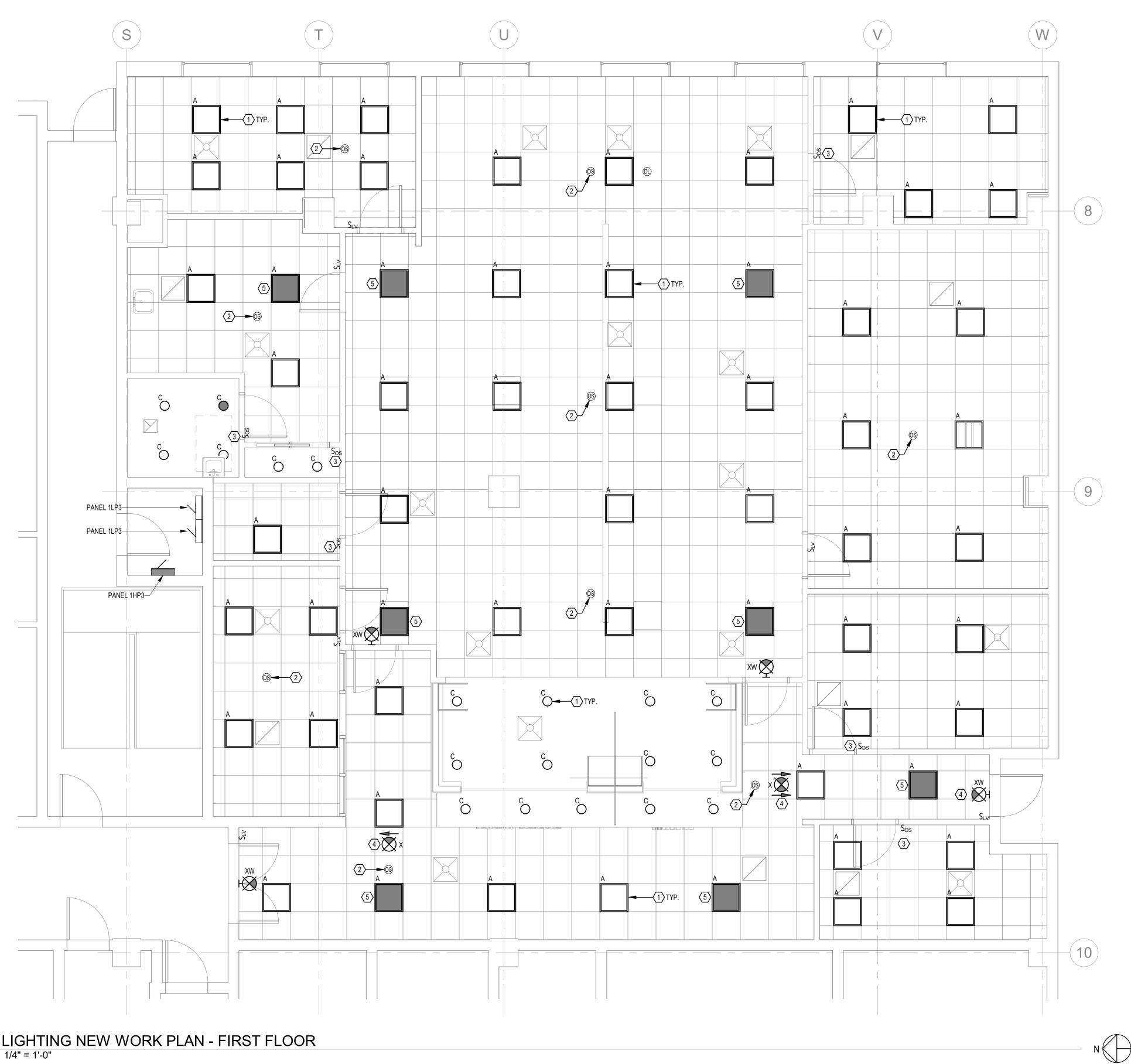
- (1) REMOVE EXISTING LIGHT FIXTURES. REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE.
- 2 REMOVE EXISTING RECEPTACLE OUTLETS. REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE.
- REMOVE EXISTING FIRE ALARM DEVICE. REMOVE EXISTING CONDUIT AND WIRING BACK TO LAST EXISTING TO REMAIN DEVICE ON SAME FIRE ALARM LOOP.

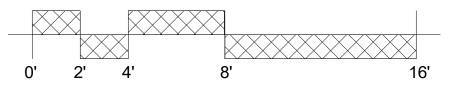
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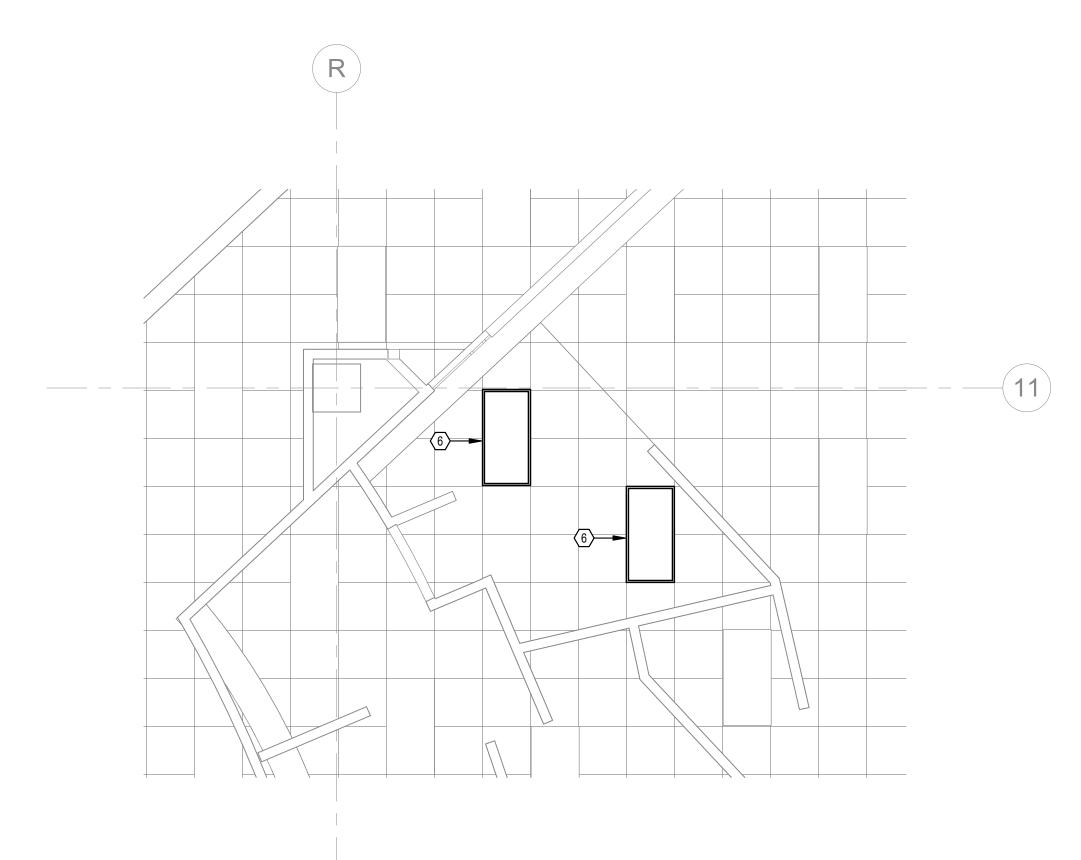








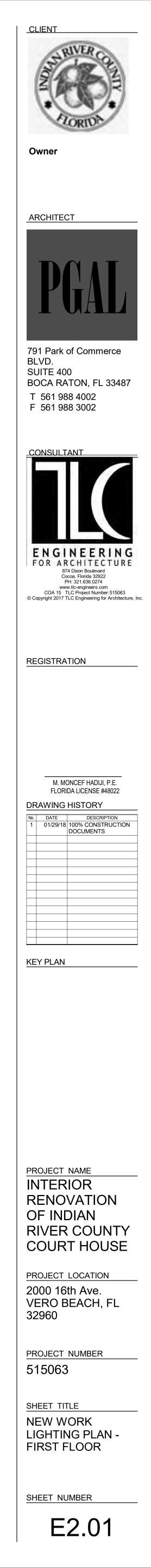
2 LIGHTING NEW WORK PLAN - FIRST FLOOR - TRAFFIC OFFICE

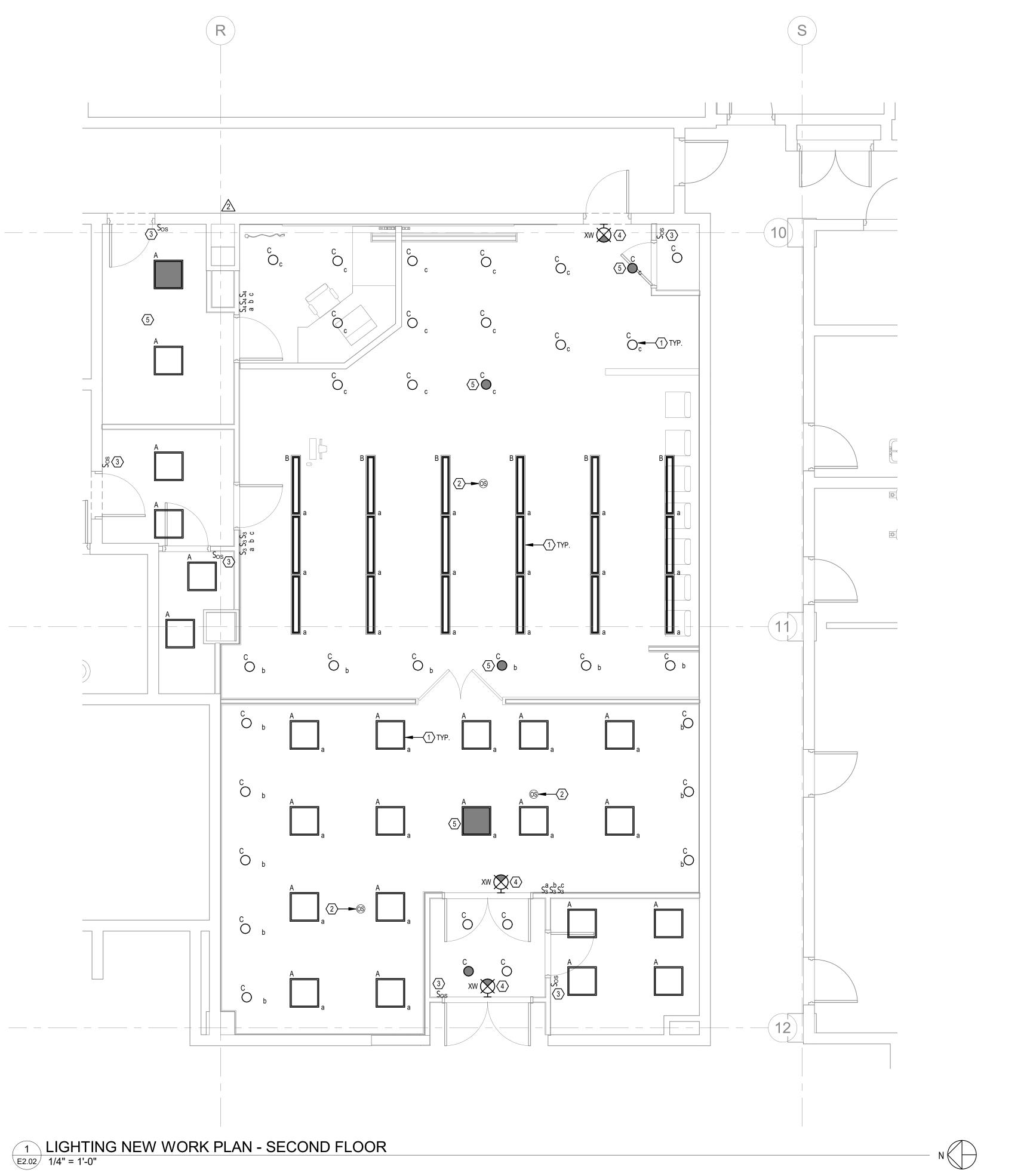


- PROVIDE SWITCHBOX MOUNTED, DUAL TECHNOLOGY OCCUPANCY SENSOR TO CONTROL THE FIXTURES WITHIN THIS SPACE. PROVIDE EXIT SIGN. CONNECT TO UN-SWITCHED HOT LEG OF THE LOCAL LIGHTING BRANCH CIRCUIT FOR BATTERY CHARGING AND TO SENSE NORMAL POWER FAILURE.
- 5 PROVIDE LIGHT FIXTURE INDICATED WITH EMERGENCY BATTERY PACK. CONNECT BATTERY PACK TO UN-SWITCHED HOT LEG OF THE LOCAL LIGHTING BRANCH CIRCUIT FOR BATTERY CHARGING AND TO SENSE NORMAL POWER FAILURE.
- 6 RE-INSTALL EXISTING LIGHT FIXTURE AT NEW LOCATION AND CONNECT TO EXISTING LIGHTING BRANCH CIRCUIT. MODIFY EXISTING LIGHTING BRANCH CIRCUIT AS REQUIRED TO ACCOMMODATE NEW SWITCHING SCHEME.
- PROVIDE NEW LIGHT FIXTURES AS INDICATED. PROVIDE (2)#12 AND (1)#12 GROUND WIRES IN 3/4" CONDUIT, AND CONNECT LIGHTING BRANCH CIRCUIT TO SPARE 20-AMP, SINGLE-POLE CIRCUIT BREAKER IN EXISTING PANEL 1HP3. 2 PROVIDE CEILING MOUNTED, DUAL TECHNOLOGY OCCUPANCY SENSOR TO CONTROL THE FIXTURES WITHIN THIS SPACE. PROVIDE QUANTITY OF POWER PACKS AS

REQUIRED.

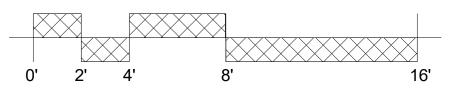
- SHEET KEYNOTES:





SHEET KEYNOTES:

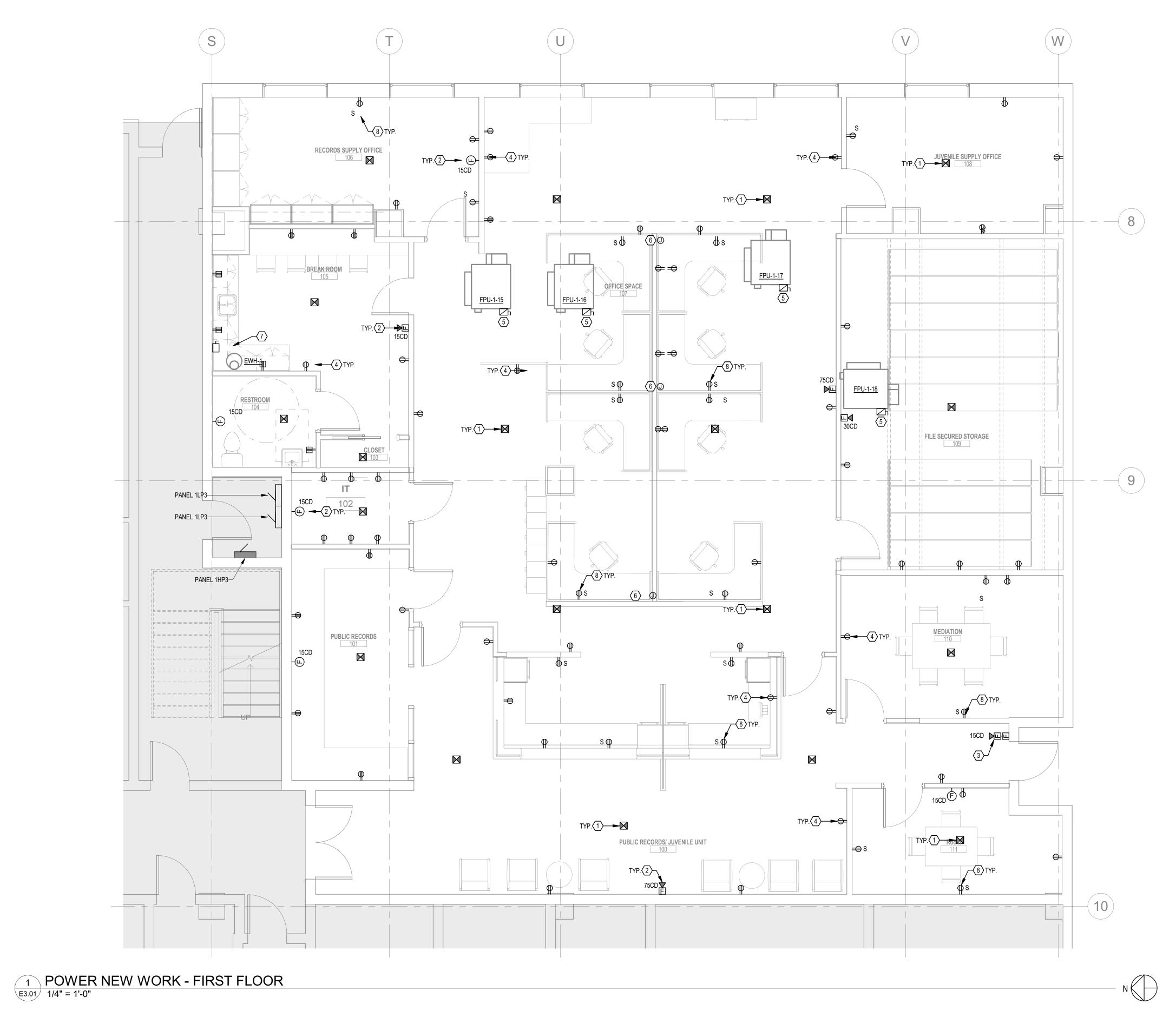
- PROVIDE NEW LIGHT FIXTURES AS INDICATED. PROVIDE (2)#12 AND (1)#12 GROUND WIRES IN 3/4" CONDUIT, AND CONNECT LIGHTING BRANCH CIRCUIT TO SPARE 20-AMP, SINGLE-POLE CIRCUIT BREAKER IN EXISTING PANEL 2HP3.
- 2 PROVIDE CEILING MOUNTED, DUAL TECHNOLOGY OCCUPANCY SENSOR TO CONTROL THE FIXTURES WITHIN THIS SPACE. PROVIDE QUANTITY OF POWER PACKS AS REQUIRED.
- PROVIDE SWITCHBOX MOUNTED, DUAL TECHNOLOGY OCCUPANCY SENSOR TO CONTROL THE FIXTURES WITHIN THIS SPACE.
- PROVIDE EXIT SIGN. CONNECT TO UN-SWITCHED HOT LEG OF THE LOCAL LIGHTING BRANCH CIRCUIT FOR BATTERY CHARGING AND TO SENSE NORMAL POWER FAILURE.
- 5 PROVIDE LIGHT FIXTURE INDICATED WITH EMERGENCY BATTERY PACK. CONNECT BATTERY PACK TO UN-SWITCHED HOT LEG OF THE LOCAL LIGHTING BRANCH CIRCUIT FOR BATTERY CHARGING AND TO SENSE NORMAL POWER FAILURE.



CLIENT Owner ARCHITECT 791 Park of Commerce BLVD. SUITE 400 BOCA RATON, FL 33487 T 561 988 4002 F 561 988 3002 CONSULTANT ENGINEERING FOR ARCHITECTURE 874 Dixon Boulevard Cocoa, Florida 32922 PH: 321.636.0274 Www.tlc-engineers.com COA 15 TLC Project Number:515063 © Copyright 2017 TLC Engineering for Architecture, Inc. REGISTRATION M. MONCEF HADIJI, P.E. FLORIDA LICENSE #48022 DRAWING HISTORY
 №
 DATE
 DESCRIPTION

 1
 01/29/18
 100% CONSTRUCTION DOCUMENTS

 2
 05/14/18
 BLDG DEPT COMMENTS
 _____ KEY PLAN PROJECT NAME INTERIOR RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960 PROJECT NUMBER 515063 SHEET TITLE NEW WORK LIGHTING PLAN -SECOND FLOOR SHEET NUMBER E2.02

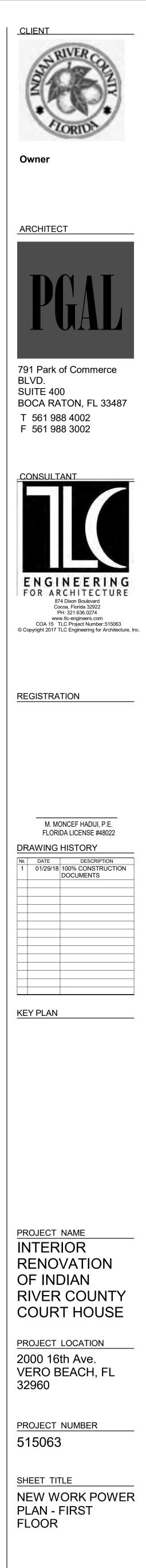


GENERAL NOTES:

1. REFER TO TECHNOLOGY DRAWINGS FOR DATA/VOICE OUTLET LOCATIONS. RECEPTACLE OUTLETS SHALL BE LOCATED WITHIN 12" OF EACH DATA/VOICE OUTLET.

SHEET KEYNOTES:

- PROVIDE NEW ADDRESSABLE SMOKE DETECTOR. SMOKE DETECTOR SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. CONNECT SMOKE DETECTOR TO EXISTING INITIATION DEVICE LOOP.
- 2 PROVIDE NEW FIRE ALARM NOTIFICATION DEVICE AS INDICATED. NOTIFICATION APPLIANCE SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. CONNECT NOTIFICATION DEVICE TO EXISTING NOTIFICATION APPLIANCE LOOP.
- 3 PROVIDE NEW ADDRESSABLE MANUAL PULL STATION. PULL STATION SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. CONNECT PULL STATION TO EXISTING INITIATION DEVICE LOOP.
- PROVIDE RECEPTACLE OUTLETS AS SHOWN. PROVIDE (2)#12 AND (1)#12 GROUND WIRES IN 3/4" CONDUIT. THERE SHALL BE NO MORE THAN (8) RECEPTACLES ON A BRANCH CIRCUIT. CONNECT RECEPTACLE BRANCH CIRCUIT TO SPARE 20-AMP, SINGLE-POLE CIRCUIT BREAKER IN EXISTING PANEL 1LP3.
- 5 DISCONNECT SWITCH PROVIDED BY FPU MANUFACTURER. PROVIDE (2)#12 AND (1)#12 GROUND WIRES AND CONNECT TO SPARE 20-AMP, SINGLE-POLE CIRCUIT BREAKER IN EXISTING PANEL 1HP3.
- (6) PROVIDE TWO-CHANNEL STEEL POWER POLE; LEGRAND WIREMOLD 30TC SERIES, OR APPROVED EQUAL. PROVIDE (2)#12 AND (1)#12 GROUND WIRES AND CONNECT TO SYSTEMS FURNITURE POWER WHIP PER MANUFACTURER'S SPECIFICATIONS. CONNECT RECEPTACLE BRANCH CIRCUIT TO SPARE 20-AMP, SINGLE-POLE CIRCUIT BREAKER IN EXISTING PANEL 1LP3.
- 7 PROVIDE 30-AMP, 2-POLE, NON-FUSED DISCONNECT SWITCH IN NEMA 1 ENCLOSURE AND CONNECT TO ELECTRIC WATER HEATER WITH (2)#12 AND (1)#12 GROUND WIRES IN 3/4" CONDUIT. CONNECT BRANCH CIRCUIT TO SPARE 20-AMP, SINGLE-POLE CIRCUIT BREAKER IN EXISTING PANEL 1LP3.
- (8) 'S' DESIGNATION DENOTES RECEPTACLE OUTLET WITH AUTOMATICALLY SHUT-OFF. CONNECT RECEPTACLE OUTLET TO OCCUPANCY / VACANCY SENSOR CONTROLLING THE LIGHT FIXTURES IN THIS ROOM.



SHEET NUMBER

E3.01



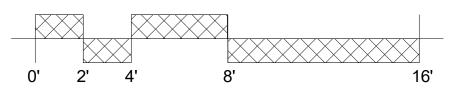
1 POWER NEW WORK - SECOND FLOOR E3.02 1/4" = 1'-0"

GENERAL NOTES:

 REFER TO TECHNOLOGY DRAWINGS FOR DATA/VOICE OUTLET LOCATIONS. RECEPTACLE OUTLETS SHALL BE LOCATED WITHIN 12" OF EACH DATA/VOICE OUTLET.

SHEET KEYNOTES:

- PROVIDE NEW ADDRESSABLE SMOKE DETECTOR. SMOKE DETECTOR SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. CONNECT SMOKE DETECTOR TO EXISTING INITIATION DEVICE LOOP.
- 2 PROVIDE NEW FIRE ALARM NOTIFICATION DEVICE AS INDICATED. NOTIFICATION APPLIANCE SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. CONNECT NOTIFICATION DEVICE TO EXISTING NOTIFICATION APPLIANCE LOOP. 3 PROVIDE NEW ADDRESSABLE MANUAL PULL STATION. PULL STATION SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. CONNECT PULL STATION TO EXISTING INITIATION
- DEVICE LOOP. PROVIDE RECEPTACLE OUTLETS AS SHOWN. PROVIDE (2)#12 AND (1)#12 GROUND WIRES IN 3/4" CONDUIT. THERE SHALL BE NO MORE THAN (8) RECEPTACLES ON A BRANCH CIRCUIT. CONNECT RECEPTACLE BRANCH CIRCUIT TO SPARE 20-AMP, SINGLE-POLE CIRCUIT BREAKER IN EXISTING PANEL 2LP3.
- 5 PROVIDE 3-GANG, FLUSH MOUNTED, POKE-THRU DEVICE; LEGRAND EVOLUTION SERIES, OR APPROVED EQUAL. PROVIDE (2)#12 AND (1)#12 GROUND WIRES AND CONNECT RECEPTACLE BRANCH CIRCUIT TO SPARE 20-AMP, SINGLE-POLE CIRCUIT BREAKER IN EXISTING PANEL 2LP3.
- 6 PROVIDE 30-AMP, 2-POLE, NON-FUSED DISCONNECT SWITCH IN NEMA 1 ENCLOSURE, AND CONNECT TO CHAIR LIFT PER THE MANUFACTURER'S SPECIFICATIONS. PROVIDE (2)#12 AND (1)#12 GROUND WIRES IN 3/4" CONDUIT, AND CONNECT TO 20-AMP, SINGLE-POLE CIRCUIT BREAKER IN EXISTING PANEL 2LP3. FIELD VERIFY EXACT LOCATION.



E3.02

NEW WORK POWER PLAN - SECOND FLOOR

SHEET NUMBER

SHEET TITLE

PROJECT NUMBER 515063

PROJECT LOCATION 2000 16th Ave. VERO BEACH, FL 32960

RENOVATION OF INDIAN RIVER COUNTY COURT HOUSE

PROJECT NAME

M. MONCEF HADIJI, P.E. FLORIDA LICENSE #48022						
DF	RAWING	HISTORY				
Nº.	DATE	DESCRIPTION				
1	01/29/18	100% CONSTRUCTION DOCUMENTS				
2	05/14/18	BLDG DEPT COMMENTS				
<u> </u>						
KE	Y PLAN					

REGISTRATION

FOR ARCHITECTURE 874 Dixon Boulevard Cocoa, Florida 32922 PH: 321.636.0274 Www.tlc-engineers.com COA 15 TLC Project Number:515063 © Copyright 2017 TLC Engineering for Architecture, Inc.

CONSULTANT ENGINEERING

791 Park of Commerce BLVD. SUITE 400 BOCA RATON, FL 33487

T 561 988 4002 F 561 988 3002

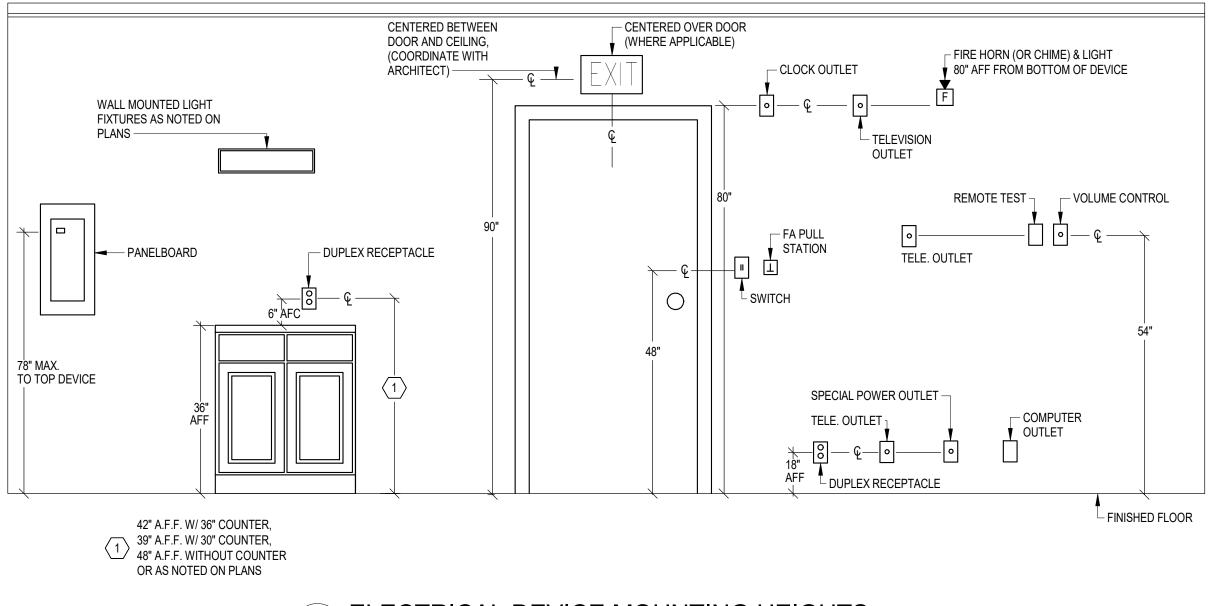
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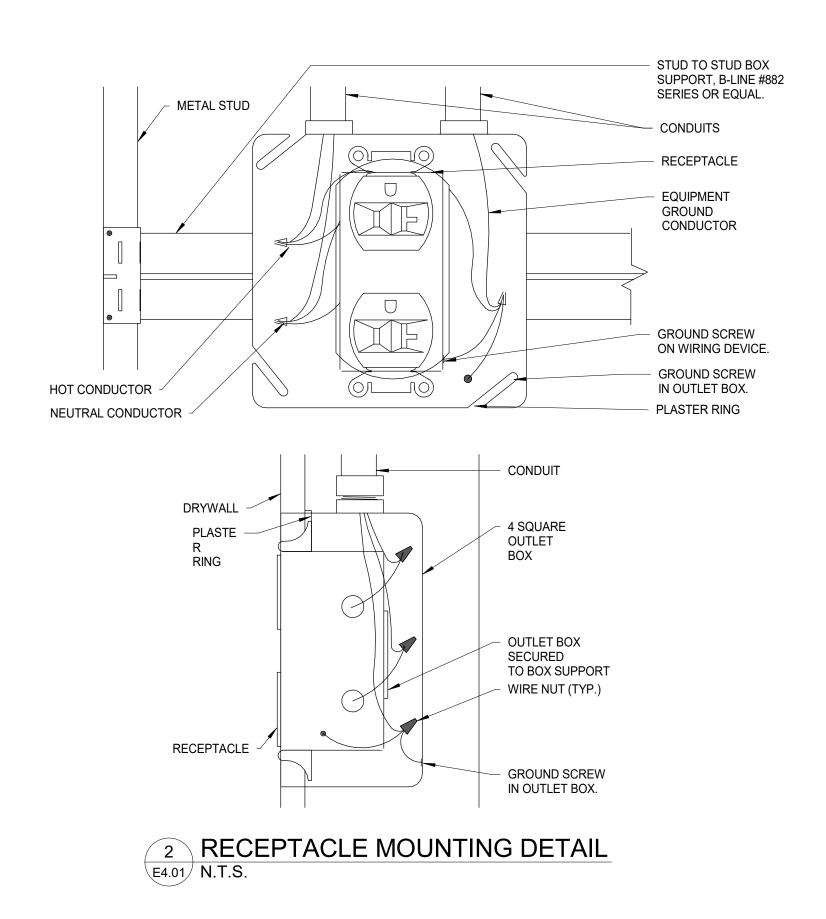
Owner

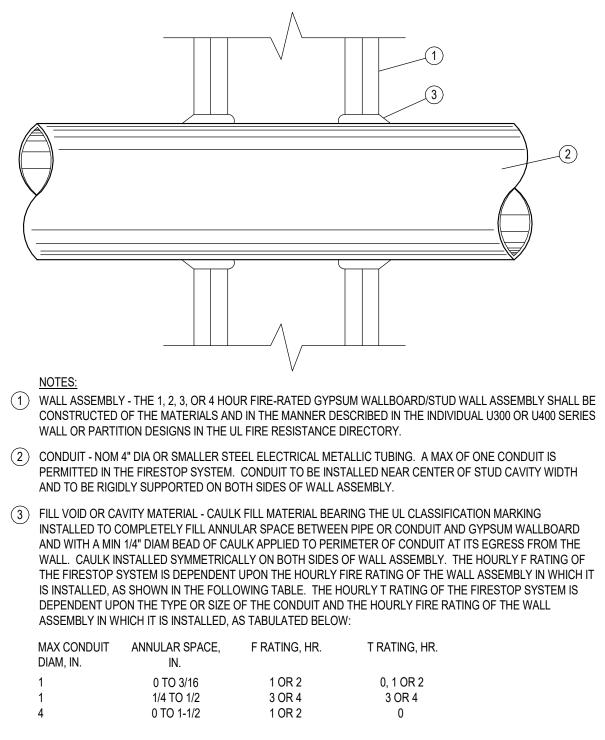
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	LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMP QUANTITY	LAMP TYPE	WATTAGE	VOLTAGE	
Α	2' X 2' RECESSED VOLUMETRIC LED FIXTURE, 3300 LUMENS, 4000K	LITHONIA	2RTL2 33L EZ1 LP840	1	LED	35 W	277 V	
В	RECESSED LINEAR LED FIXTURE, FLUSH LENS, 12-FOOT CONTINUOUS LENGTH, 600 LUMENS PER FOOT, 4000K	MARK ARCHITECTURAL LIGHTING	SL6L LOP 12FT FLP TG 80CRI 40K 600LMF WW 277	1	LED	72 W	277 V	
B2	EXISTING 2' X 4' RECESSED FLUORESCENT FIXTURE	EXISTING	EXISTING	2	32W T8	64 W	277 V	
С	RECESSED LED OPEN DOWNLIGHT, 3000 LUMENS, 4000K	GOTHAM	EVO 40/30 6AR MD LSS 277 EZ1	1	LED	36 W	277 V	
Х	EDGE LIT LED EXIT SIGN, CEILING MOUNTED, RED LETTERS, CLEAR BACKGROUND, AND SINGLE OR DOUBLE FACE AS SHOWN	LITHONIA	LRP 2 RW 120/277 EL N	1	LED		277 V	
XW	EDGE LIT LED EXIT SIGN, WALL MOUNTED, RED LETTERS, CLEAR BACKGROUND, AND SINGLE FACE	LITHONIA	LRP 1 RW 120/277 EL N	1	LED		277 V	









3 CONDUIT PENETRATION OF FIREWALL E4.01 N.T.S.

