

USDA OFFICE - GRADY COUNTY

GRADY COUNTY

CAIRO, GA

CONSULTANTS

MECHANICAL / PLUMBING
 MODERN PROFESSIONAL ENGINEERING
 1600 MILL STREET
 TALLAHASSEE, FL 32310
 (850) 459-9834

ELECTRICAL
 APPLIED RESEARCH & DESIGN
 3929 BRADFORDVILLE RD
 TALLAHASSEE, FL 32309
 (850) 666-6324



MLD
ARCHITECTS
 AA 26003006
 ARCHITECTURE
 INTERIOR DESIGN
 PLANNING
 211 JOHN KNOX RD, SUITE 105
 TALLAHASSEE, FL 32303
 (850) 385-9200
 MLDARCHITECTS.COM

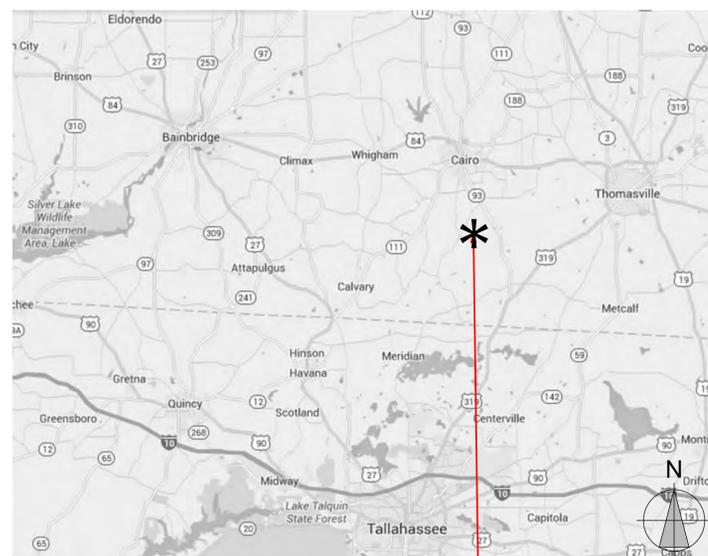
USDA OFFICE - GRADY COUNTY
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 CAIRO, GA

CONSTRUCTION DOCUMENTS

PROJ. NO. 119515
 DATE 06/16/2015
 DRAWN TR
 CHECKED JS
 APPROVED JS
 REVISION
 REVISION DATE

G100

VICINITY MAP



AERIAL PHOTO



65 11TH AVENUE NE
 CAIRO, GA 39828

SCOPE OF WORK

BRIEFLY AND WITHOUT FORCE AND EFFECT UPON THE CONTRACT DOCUMENTS, THE WORK OF THE CONTRACT CAN BE SUMMARIZED AS FOLLOWS:

THE WORK INCLUDES THE RENOVATION OF THE EXISTING OFFICE SPACE INCLUDING ADDITION OF RESTROOMS, RENOVATION OF EXISTING RESTROOMS, UPDATING FINISHES AND LIGHTING, AND CONSTRUCTION OF NEW PARTITION WALL.

BUILDING DATA

OCCUPANCY: BUSINESS (B)
 CONSTRUCTION TYPE: TYPE V-B, UNPROTECTED, UNSPRINKLED, SINGLE STORY
 OVERALL SQ. FT. OF BUILDING: 13,640 S.F.
 OVERALL SQ. FT. OF PROJECT: 3,570 S.F.

OCCUPANT LOAD:
 BUSINESS - 3,570 GROSS SF / 100 GROSS SF = 35 TOTAL OCCUPANTS ALLOWED

EGRESS REQUIREMENTS:	REQ.	ACTUAL
NUMBER EXITS	2	3
DOOR WIDTH	32"	36"
EXIT CORRIDOR	3'-0"	5'-9"
MAX TRAVEL DISTANCE	150' MAX.	88'-8"
DEAD END CORRIDOR	20' MAX.	0'-0"

DISCLAIMER

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BUILDING AND FIRE CODES

INTERNATIONAL BUILDING CODE 2012 EDITION WITH 2014 & 2015 AMENDMENTS & 2013 APPENDIX
 INTERNATIONAL PLUMBING CODE 2012 EDITION WITH 2014 & 2015 AMENDMENTS
 INTERNATIONAL MECHANICAL CODE 2012 EDITION WITH 2014 & 2015 AMENDMENTS
 NATIONAL ELECTRIC CODE 2014 EDITION
 INTERNATIONAL EXISTING BUILDING CODE 2012 EDITION WITH 2015 AMENDMENTS

DRAWING INDEX

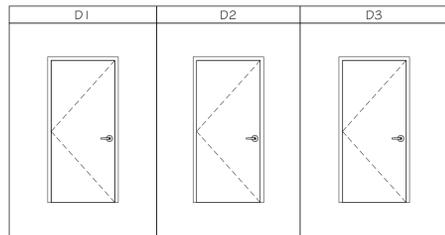
- G100 TITLE SHEET
- A000 SCHEDULES, NOTES & LIFE SAFETY PLAN
- A100 DEMOLITION PLAN
- A101 RENOVATION PLAN
- A400 REFLECTED CEILING PLAN
- A500 DETAILS
- M0.1 HVAC LEGEND, NOTES, DETAILS & SCHEDULES
- MD1.1 FLOOR PLAN - HVAC - DEMOLITION
- MD1.1 FLOOR PLAN - HVAC - RENOVATION
- PO.1 PLUMBING NOTES, DETAILS AND FLOOR PLAN
- PD1.1 FLOOR PLAN - PLUMBING - DEMOLITION
- PD1.1 FLOOR PLAN - PLUMBING - RENOVATION
- EO.1 ELECTRICAL LEGENDS, NOTES, AND SCHEDULES
- E1.0 ELECTRICAL DEMOLITION PLAN
- E1.1 POWER PLAN
- E1.2 LIGHTING PLAN

ROOM NAME	FLOORING	BASE	WALL FINISH				CEILING		REMARKS
			NORTH	SOUTH	EAST	WEST	HEIGHT	FINISH	
ACCESS	F1	RUBBER	P1	P1	P1	P1	8'	C1	
ADA RESTROOM	F3	TILE	P1	P1	P1	P1	8'	C1	
ADP	F2	RUBBER	P1	P1	P1	P1	8'	C1	
ADP IT	F2	RUBBER	P1	P1	P1	P1	8'	C1	
FSA CONFERENCE	F1	RUBBER	P1	P1	P1	P1	8'	C1	
FSA OFFICE	F1	RUBBER	P1	P1	P1	P1	8'	C1	
FSA OFFICE EQUIPMENT / STORAGE 2	F1	RUBBER	P1	P1	P1	P1	8'	C1	
FSA OPEN OFFICE	F1	RUBBER	P1	P1	P1	P1	8'	C1	
FSA STORAGE	EX	RUBBER	P1	P1	P1	P1	8'	C1	
FSA STORAGE 1	F1	RUBBER	P1	P1	P1	P1	8'	C1	
FSA STORAGE 2	F1	RUBBER	P1	P1	P1	P1	8'	C1	
HALL	F1	RUBBER	P1	P1	P1	P1	8'	C1	
HVAC	F2	RUBBER	P1	P1	P1	P1	8'	C1	
KITCHEN	F2	RUBBER	P1	P1	P1	P1	8'	C1	
LOBBY	EX	RUBBER	P1	P1	P1	P1	8'	C1	
MECHANICAL	EX	EX	EX	EX	EX	EX	8'	EX	
NRCS CONFERENCE	F1	RUBBER	P1	P1	P1	P1	8'	C1	
NRCS OFFICE 1	F1	RUBBER	P1	P1	P1	P1	8'	C1	
NRCS OFFICE 2	F1	RUBBER	P1	P1	P1	P1	8'	C1	
UNISEX	F3	TILE	P1	P1	P1	P1	8'	C1	

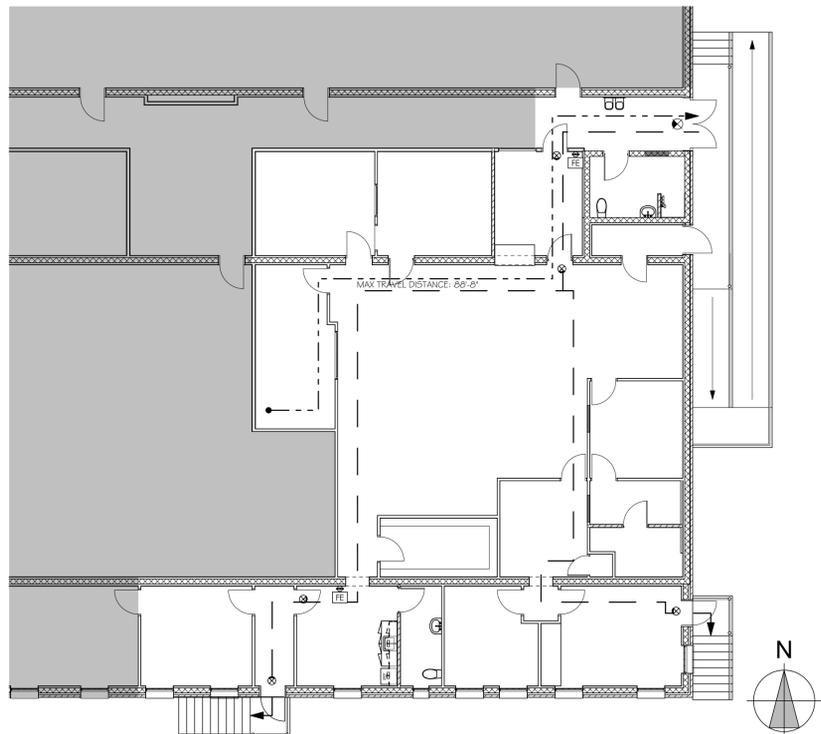
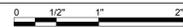
1 FINISH SCHEDULE
A000

ID	QUAN.	UNIT SIZE		DOOR		FRAME		HARDWARE	GLAZING	REMARKS
		WIDTH	HEIGHT	MATERIAL	FINISH	MATERIAL	FINISH			
D1	2	3'	6'-8"	WOOD	P2	WOOD	P2	H1	---	
D2	2	3'	6'-8"	WOOD	P2	WOOD	P2	H2	---	
D3	1	3'	6'-8"	WOOD	P2	WOOD	P2	H3	---	

2 DOOR SCHEDULE
A000



3 DOOR ELEVATION
A000 SCALE: 1/4" = 1'-0"



4 LIFE SAFETY PLAN
A000 SCALE: 3/32" = 1'-0"



FINISH SCHEDULE NOTES

FLOORING

- F1 - CARPET TILE - PHILLY QUEEN COMMERCIAL, JO184 AT PLAY, 84703 ENDURANCE
- F2 - LVT - PHILLY QUEEN COMMERCIAL, 5402V B05K PRO 4", 00722 BRAZILIAN NUT
- F3 - CERAMIC TILE - FLORIM, STONEFIRE, RUST, 12X24 AND 12X12 IN ALTERNATING HORIZONTAL PATTERN, 2X2 SHOWER FLOOR AND WALL ACCENT, 3X12 BULLNOSE SHOWER EDGING AND RESTROOM WALL BASE

CEILING

- C1 - ACOUSTICAL CEILING TILE - SIZE 24"x24"

WALL BASE

- RUBBER BASE - BURKE MERCER, 503 GINGER, 4"
- WOOD BASE -
- TILE BASE - FLORIM, STONEFIRE, RUST, 3X12 BULLNOSE

DOORS

- WOOD - P2

PAINTS

- P1 - WALLS - PPG14-17 ARMADILLO NT17
- P2 - DOORS, DOOR AND WINDOW FRAMES - COLOR MATCH WALL BASE

HARDWARE SCHEDULE

- H1 D1 - RESTROOMS
3 HINGES, LEVER HANDLE, PRIVACY LOCK, CLOSER, KICKPLATE, SILENCERS, STOP, TOE KICK
- H2 D2 - STORAGE
3 HINGES, LEVER HANDLE, STOREROOM LOCK, KICKPLATE, SILENCERS, STOP
- H3 D3 - LOBBY
3 HINGES, LEVER HANDLE, CLASSROOM LOCKSET, CLOSER, KICKPLATE, DOOR STOP, SILENCER

NOTE: COORDINATE KEYING WITH OWNER. SEE DOOR NOTE 4.

DOOR NOTES

- FIELD VERIFY ALL DOOR DIMENSIONS PRIOR TO ORDERING. NOTIFY ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS.
- COORDINATE FRAMES WITH WALL TYPE.
- IN AREA OF WORK, PAINT EXISTING DOORS AND FRAMES TO REMAIN TO MATCH NEW COLORS. SEE FINISH SCHEDULE.
- IN AREA OF WORK, REPLACE ALL DOOR HARDWARE ON EXISTING DOORS TO REMAIN - MATCH NEW HARDWARE. COORDINATE LOCKSET TYPES AND KEYING WITH OWNER.

LIFE SAFETY PLAN KEY AND NOTES

- → EGRESS PATH OF TRAVEL
- - - - TRAVEL DISTANCE
- ⊗ EXIT SIGN
- Ⓢ SMOKE DETECTOR
- FE FIRE EXTINGUISHER
- EX INDICATES EXISTING

GENERAL NOTES

- THE EXISTING PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE FOR REQUESTING CLARIFICATION IN WRITING TO THE ARCHITECT. IF THE CONTRACTOR PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THERE WITHIN.
- BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE HELD TO HAVE EXAMINED THE PREMISES AND SATISFIED HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR EXIT WAYS. WHERE AN EXIT MUST BE TEMPORARILY BLOCKED, CONTRACTOR SHALL PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
- CONTRACTOR SHALL ERECT AND MAINTAIN ALL REASONABLE SAFEGUARDS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, AS WELL AS POSTING APPLICABLE SAFETY REGULATIONS. CONTRACTOR SHALL PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION, VEHICLE ACCESS AND EGRESS LOCATIONS.
- NORMAL OPERATIONS OF THE REMAINING FACILITY SHALL CONTINUE DURING DEMOLITION AND CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SEQUENCE DEMOLITION AND CONSTRUCTION TO MINIMIZE INTERRUPTIONS TO NORMAL OPERATIONS OF THE FACILITY.
- ALL PROPOSED INTERRUPTIONS TO OPERATIONS AND EQUIPMENT SHALL BE REVIEWED WITH AND APPROVED BY THE OWNER PRIOR TO STARTING SUCH WORK UNLESS OTHERWISE APPROVED IN WRITING.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SEQUENCE DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE AND PLAN PRIOR TO PRE-CONSTRUCTION CONFERENCE.
- CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY OWNER FOR ON SITE STORAGE OF CONSTRUCTION MATERIALS. COMPARTMENT TRAILERS OR SIMILAR PROTECTIVE STORAGE FACILITIES MAY BE UTILIZED ON SITE TO SECURE ALL EQUIPMENT AND ITEMS REMOVED DURING PROJECT WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND ITEMS REMOVED.
- CONTRACTOR MAY UTILIZE AVAILABLE ELECTRICAL POWER AND WATER UTILITIES AT PROJECT JOB SITE.
- DUE TO THE NATURE OF THE FACILITY, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE SPECIAL SECURITY MEASURES AT THE JOBSITE. ALL TOOLS, MATERIALS, EQUIPMENT, ETC. SHALL BE SECURED. SECURITY PROCEDURES WILL BE REVIEWED AT THE PRE-CONSTRUCTION CONFERENCE.
- ALL WORK SHALL COMPLY WITH APPLICABLE OSHA AND E.P.A. REGULATIONS AND GUIDELINES.
- INSTALL WORK IN ACCORDANCE WITH THE CODES LISTED ON THE COVER SHEET. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF THE CONSTRUCTION. CHANGES SHALL BE INDICATED CLEARLY BY MECHANICAL DRAFTING METHODS.
- CONTRACTOR SHALL MAINTAIN A CLEAN WORK PREMISES AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS DAILY.
- CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING SURFACES AND SHALL BE RESPONSIBLE FOR RETURNING DAMAGED AREAS (MATERIALS, FINISHES, LANDSCAPE, ETC.) TO THEIR ORIGINAL CONDITION. ALL DISTURBED AREAS OF SOIL TO BE SODDED. ALL PLANTING REPLACEMENT TO BE GUARANTEED FOR ONE YEAR.
- CONTRACTOR SHALL ERECT ALL SAFEGUARDS TO PROTECT AREAS ADJACENT TO BUILDING SITES. INSTALL SILT FENCING AS REQUIRED TO CONTAIN CONSTRUCTION RUNOFF. REMOVE DEBRIS FROM JOB SITE DAILY AND ADHERE TO ENVIRONMENTAL REGULATIONS.
- INTERIOR FINISHES WERE INSPECTED FOR LEAD AND ASBESTOS CONTENT IN PHASE ONE. TO THE BEST OF OUR KNOWLEDGE, ALL LEAD AND ASBESTOS HAS BEEN ABATED FROM THE INTERIOR. IF ANY SUSPECT MATERIAL IS ENCOUNTERED DURING PHASE TWO, STOP WORK IMMEDIATELY AND CONTACT THE ARCHITECT.

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LEGEND

- | | | | |
|-----------------|---|--|---|
| | NEW DOOR, SEE DOOR SCHEDULE, SHEET A000 | | EXISTING EXTERIOR CMU WALL WITH BRICK FACE, DASH INDICATES REMOVAL |
| | EXISTING DOOR TO REMAIN | | EXISTING INTERIOR CMU WALL WITH FRAMING AND WOOD PANELING, DASH INDICATES REMOVAL |
| | EXISTING DOOR TO BE REMOVED | | EXISTING INTERIOR FRAME PARTITION WALL WITH WOOD PANELING, DASH INDICATES REMOVAL |
| | EXISTING WINDOW TO REMAIN | | INFILLED SECTION OF WALL/DOOR/WINDOW, INFILL ALL INDICATED OPENINGS TO MATCH EXISTING CONSTRUCTION AND FINISH. |
| ROOM 000 | ROOM NAME & NUMBER | | NEW INTERIOR WALL - 3 5/8" METAL STUDS WITH 5/8" GYPSUM BOARD BOTH SIDES. PRIME AND PAINT TWO COATS. |
| N.I.C. | NOT IN CONTRACT | | NEW INTERIOR WALL - 3 5/8" METAL STUDS WITH 5/8" GYPSUM BOARD ONE SIDE, BACKER BOARD AND TILE ONE SIDE. PRIME AND PAINT GYP. BD. TWO COATS. |
| A.F.F. | ABOVE FINISH FLOOR | | ELEVATION/SECTION NUMBER SHEET NUMBER |
| SIM. | SIMILAR | | |
| TYP. | TYPICAL | | |
| MIR. | MIRROR | | |
| | WORK LEGEND NOTE | | |
| | PHOTO MARKER PHOTO # / SHEET # | | |

DEMOLITION NOTES

- THESE WORK ITEMS ARE TYPICAL AND MAY NOT BE ALL INCLUSIVE BUT INTENDED TO SUPPLEMENT THE DRAWINGS AND DETAILS AND CLARIFY THE SCOPE OF WORK. WORK LEGEND ITEMS ARE TYPICAL FOR SITUATIONS AND WORK SCOPE SHOWN. WORK LEGEND SYMBOLS ARE NOT SHOWN AT EVERY SPECIFIC LOCATION WHICH SCOPE IS TO BE COMPLETED, UNLESS OTHERWISE NOTED.
- FIELD VERIFY ALL ITEMS TO BE REMOVED AND COORDINATE WITH RENOVATION DRAWINGS. SEE SPECIFICATIONS FOR ABATEMENT/DEMO PLANS. ENSURE ALL EQUIPMENT TO REMAIN IS STRAPPED AND SECURED TO THE STRUCTURE. TAKE CARE TO PROTECT ADJACENT SURFACES TO REMAIN.
- D1** EXISTING WALL / PORTION OF EXISTING WALL TO BE REMOVED. COORDINATE NEW OPENINGS WITH RENOVATION PLAN.
 - D2** REMOVE EXISTING DOOR.
 - D3** REMOVE EXISTING MILLWORK AND PLUMBING FIXTURES. CUT BACK PLUMBING LINES AND CAP AS NEEDED.
 - D4** EXISTING CEILING AND LIGHT FIXTURES TO BE REMOVED. COORDINATE WITH ELECTRICAL DRAWINGS.
 - D5** REMOVE EXISTING WALL BASE AND FLOORING. PREP SUBSTRATE FOR APPLICATION OF NEW MATERIALS.
 - D6** REMOVE EXISTING WATER FOUNTAIN.
 - D7** NOT USED
 - D8** EXISTING REFRIGERATOR TO BE RELOCATED BY CONTRACTOR DURING CONSTRUCTION. CONSULT OWNER REGARDING LOCATION.
 - D9** CAREFULLY REMOVE EXISTING CHAIR RAIL AND WALL BASE AS INDICATED ALONG WALLS TO BECOME PART OF FSA STORAGE; TRIM WILL BE REUSED DURING RENOVATION. SMOOTH EXISTING WALL TO MATCH SURROUNDING FINISH AND PREP SUBSTRATE FOR PAINT.

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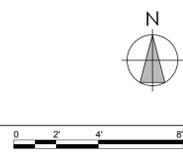
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A100

1
 A100 DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"





LEGEND

NEW DOOR, SEE DOOR SCHEDULE, SHEET A000	EXISTING EXTERIOR CMU WALL WITH BRICK FACE, DASH INDICATES REMOVAL
EXISTING DOOR TO REMAIN	EXISTING INTERIOR CMU WALL WITH FRAMING AND WOOD PANELING, DASH INDICATES REMOVAL
EXISTING DOOR TO BE REMOVED	EXISTING INTERIOR FRAME PARTITION WALL WITH WOOD PANELING, DASH INDICATES REMOVAL
EXISTING WINDOW TO REMAIN	INFILLED SECTION OF WALL/DOOR/WINDOW, INFILL ALL INDICATED OPENINGS TO MATCH EXISTING CONSTRUCTION AND FINISH.
ROOM 000 ROOM NAME & NUMBER	NEW INTERIOR WALL - 3 5/8" METAL STUDS WITH 5/8" GYPSUM BOARD BOTH SIDES. PRIME AND PAINT TWO COATS.
N.I.C. NOT IN CONTRACT	NEW INTERIOR WALL - 3 5/8" METAL STUDS WITH 5/8" GYPSUM BOARD ONE SIDE, BACKER BOARD AND TILE ONE SIDE. PRIME AND PAINT GYP. BD. TWO COATS.
A.F.F. ABOVE FINISH FLOOR	ELEVATION/SECTION NUMBER
SIM. SIMILAR	SHEET NUMBER
TYP. TYPICAL	
MIR. MIRROR	
WORK LEGEND NOTE	
PHOTO MARKER 1/4" = 1'-0" PHOTO # / SHEET #	

RENOVATION NOTES

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FIELD VERIFY ALL DIMENSIONS. ALIGN NEW ITEMS WITH EXISTING STRUCTURE AS SHOWN ON DRAWINGS. ANY ADJUSTMENTS NECESSARY MUST MEET CODE REQUIREMENTS FOR CLEARANCES AND ADA STANDARDS.

PRIME AND PAINT TWO COATS ALL WALLS AS LISTED ON FINISH SCHEDULE.

CONTRACTOR TO INSTALL NEW FLOORING, WALL BASE AND CEILING TILE THROUGHOUT AREA OF WORK. COORDINATE WITH FINISH SCHEDULE.

PRIME AND PAINT TWO COATS ALL WALLS AS LISTED ON FINISH SCHEDULE.

INSTALL SIGNAGE SO THAT THE BASELINE OF THE LOWEST CHARACTER IS 48" MIN. A.F.F. AND THE BASELINE OF THE HIGHEST CHARACTER IS 60" MAX. A.F.F.

ALL METAL STUD ANCHORAGE TO FLOOR AND CEILING STRUCTURE SHALL BE BY POWER DRIVEN FASTENERS AT 24" O.C.

CONTRACTOR TO INSTALL NEW FLOORING, WALL BASE AND CEILING TILE THROUGHOUT AREA OF WORK. COORDINATE WITH FINISH SCHEDULE.

- R1 NOT USED
- R2 INFILLED PORTION OF WALL TO BE FLUSH WITH EXISTING. MATCH EXISTING FINISHES.
- R3 INSTALL NEW SPECIFIED FIRE EXTINGUISHER IN COMPLIANCE WITH NFPA 101:38.3.5 AND NFPA 10:5.1.4.
- R4 REINSTALL EXISTING REFRIGERATOR TO NEW LOCATION.
- R5 NEW ADA ACCESSIBLE WATER FOUNTAIN.
- R6 REINSTALL WOOD TRIM REMOVED DURING DEMOLITION ALONG NEW WALL; ALIGN WITH EXISTING TRIM.

FLOORING LEGEND

COORDINATE MATERIALS WITH FINISH SCHEDULE ON A000

F1 - CARPET	F2 - LVT	F3 - TILE
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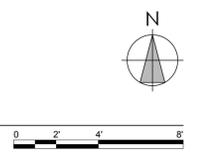
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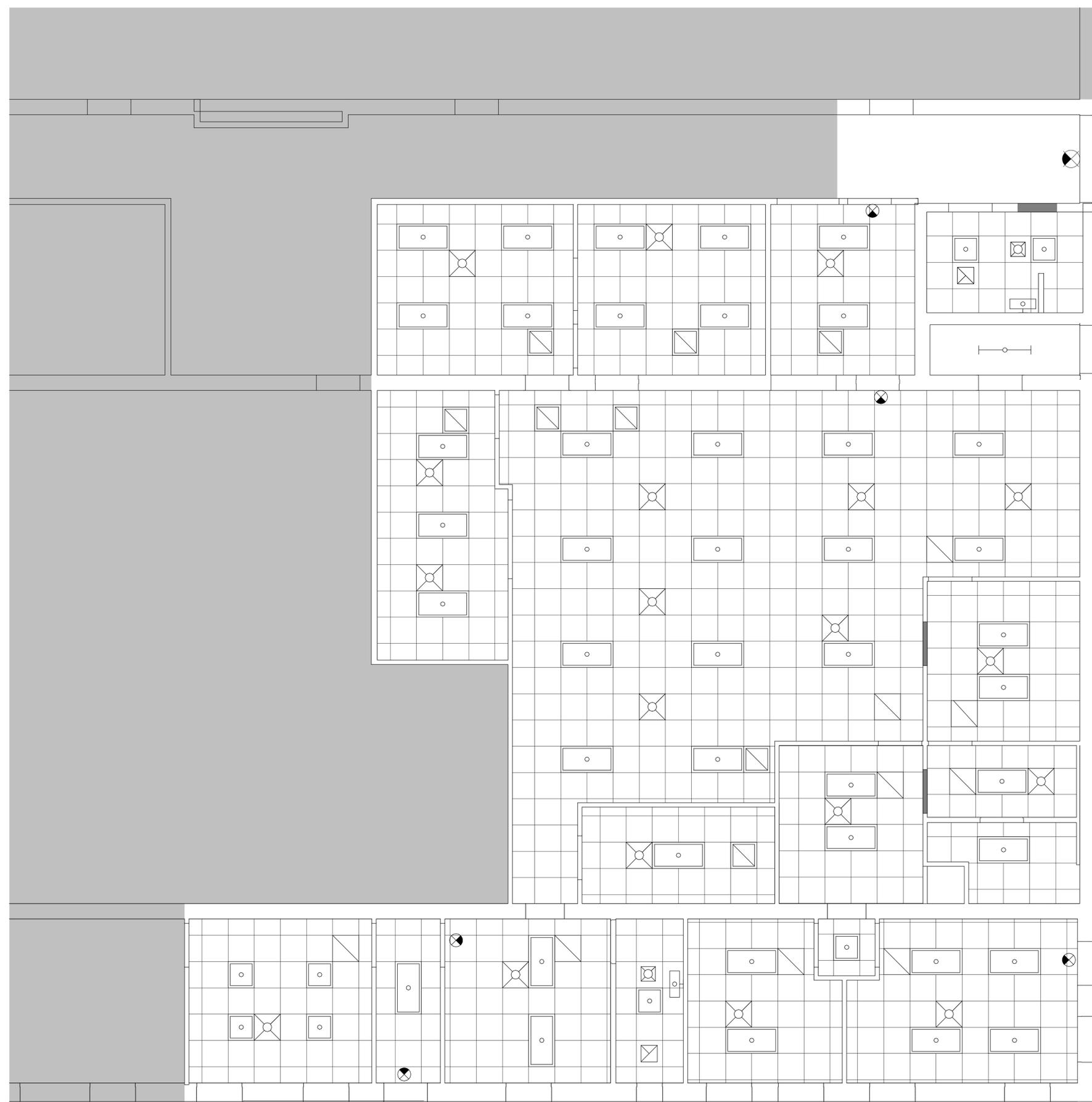
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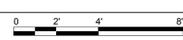
A101

1
A101 RENOVATION PLAN
SCALE: 1/4" = 1'-0"





NOTE:
COORDINATE REFLECTED
CEILING PLAN WITH ELECTRICAL
AND MECHANICAL DRAWINGS.



LEGEND

- | | | | |
|--------------------|---|--|---|
| | NEW DOOR, SEE DOOR SCHEDULE, SHEET A000 | | EXISTING EXTERIOR CMU WALL WITH BRICK FACE, DASH INDICATES REMOVAL |
| | EXISTING DOOR TO REMAIN | | EXISTING INTERIOR CMU WALL WITH FRAMING AND WOOD PANELING, DASH INDICATES REMOVAL |
| | EXISTING DOOR TO BE REMOVED | | EXISTING INTERIOR FRAME PARTITION WALL WITH WOOD PANELING, DASH INDICATES REMOVAL |
| | EXISTING WINDOW TO REMAIN | | INFILLED SECTION OF WALL/DOOR/WINDOW, INFILL ALL INDICATED OPENINGS TO MATCH EXISTING CONSTRUCTION AND FINISH. |
| ROOM
000 | ROOM NAME & NUMBER | | NEW INTERIOR WALL - 3 5/8" METAL STUDS WITH 5/8" GYPSUM BOARD BOTH SIDES. PRIME AND PAINT TWO COATS. |
| N.I.C. | NOT IN CONTRACT | | NEW INTERIOR WALL - 3 5/8" METAL STUDS WITH 5/8" GYPSUM BOARD ONE SIDE, BACKER BOARD AND TILE ONE SIDE. PRIME AND PAINT GYP. BD. TWO COATS. |
| A.F.F. | ABOVE FINISH FLOOR | | ELEVATION/SECTION NUMBER SHEET NUMBER |
| SIM. | SIMILAR | | |
| TYP. | TYPICAL | | |
| MIR. | MIRROR | | |
| | WORK LEGEND NOTE | | |
| | PHOTO MARKER PHOTO # / SHEET # | | |

RENOVATION NOTES

THESE WORK ITEMS ARE TYPICAL AND MAY NOT BE ALL INCLUSIVE BUT INTENDED TO SUPPLEMENT THE DRAWINGS AND DETAILS AND CLARIFY THE SCOPE OF WORK. WORK LEGEND ITEMS ARE TYPICAL FOR SITUATIONS AND WORK SCOPE SHOWN. WORK LEGEND SYMBOLS ARE NOT SHOWN AT EVERY SPECIFIC LOCATION WHICH SCOPE IS TO BE COMPLETED, UNLESS OTHERWISE NOTED.

FIELD VERIFY ALL DIMENSIONS. ALIGN NEW ITEMS WITH EXISTING STRUCTURE AS SHOWN ON DRAWINGS. ANY ADJUSTMENTS NECESSARY MUST MEET CODE REQUIREMENTS FOR CLEARANCES AND ADA STANDARDS.

PRIME AND PAINT TWO COATS ALL WALLS AS LISTED ON FINISH SCHEDULE.

CONTRACTOR TO INSTALL NEW FLOORING, WALL BASE AND CEILING TILE THROUGHOUT AREA OF WORK. COORDINATE WITH FINISH SCHEDULE.

PRIME AND PAINT TWO COATS ALL WALLS AS LISTED ON FINISH SCHEDULE.

INSTALL SIGNAGE SO THAT THE BASELINE OF THE LOWEST CHARACTER IS 48" MIN. A.F.F. AND THE BASELINE OF THE HIGHEST CHARACTER IS 60" MAX. A.F.F.

ALL METAL STUD ANCHORAGE TO FLOOR AND CEILING STRUCTURE SHALL BE BY POWER DRIVEN FASTENERS AT 24" O.C.

CONTRACTOR TO INSTALL NEW FLOORING, WALL BASE AND CEILING TILE THROUGHOUT AREA OF WORK. COORDINATE WITH FINISH SCHEDULE.

R1 NOT USED

R2 INFILLED PORTION OF WALL TO BE FLUSH WITH EXISTING. MATCH EXISTING FINISHES.

R3 INSTALL NEW SPECIFIED FIRE EXTINGUISHER IN COMPLIANCE WITH NFPA 101:38.3.5 AND NFPA 10:5.1.4.

R4 REINSTALL EXISTING REFRIGERATOR TO NEW LOCATION.

R5 NEW ADA ACCESSIBLE WATER FOUNTAIN.

R6 REINSTALL WOOD TRIM REMOVED DURING DEMOLITION ALONG NEW WALL; ALIGN WITH EXISTING TRIM.

CONSULTANTS

MECHANICAL / PLUMBING
MODERN PROFESSIONAL ENGINEERING
1600 MILL STREET
TALLAHASSEE, FL 32310
(850) 459-9834

ELECTRICAL
APPLIED RESEARCH & DESIGN
3938 BRADFORDVILLE RD
TALLAHASSEE, FL 32309
(850) 666-6334



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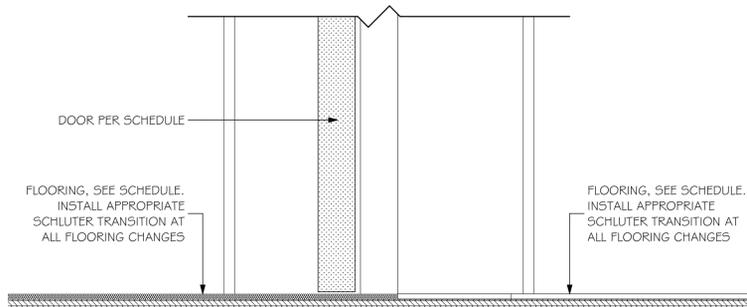
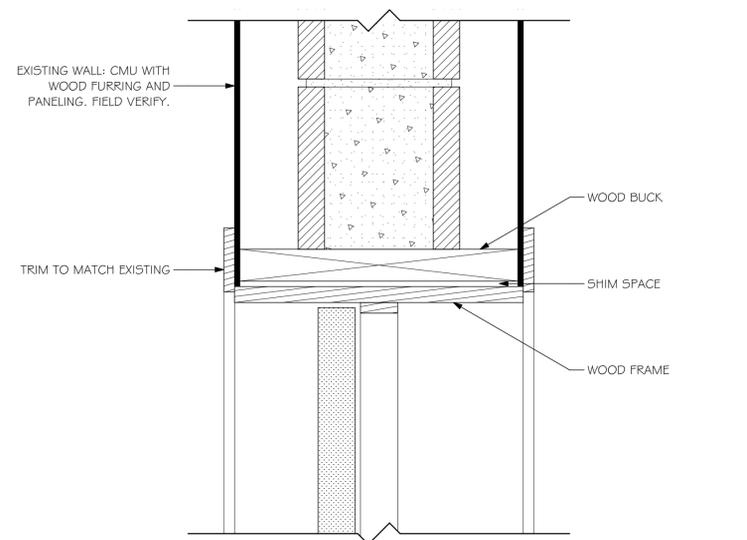
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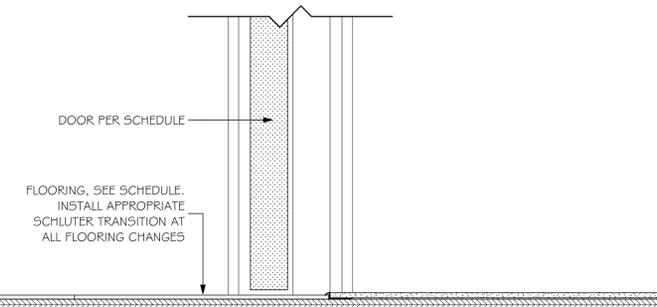
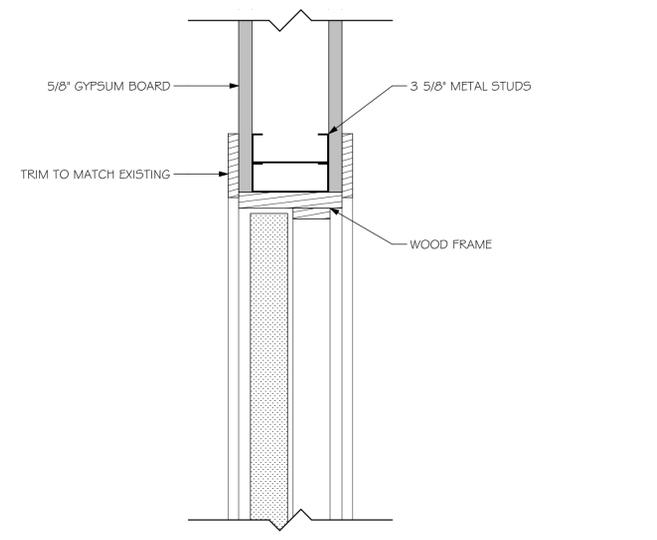
CONSTRUCTION DOCUMENTS

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DATE	06/16/2015
DRAWN	TR
CHECKED	JS
APPROVED	JS
REVISION	
REVISION DATE	

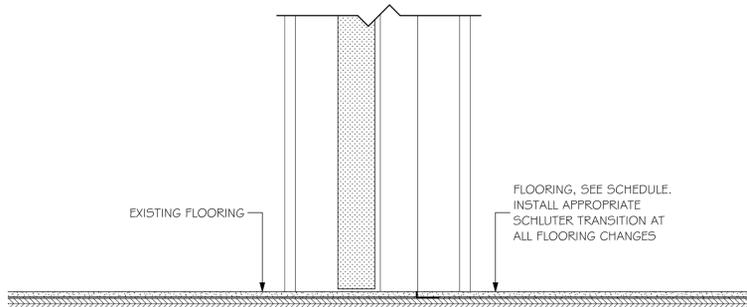
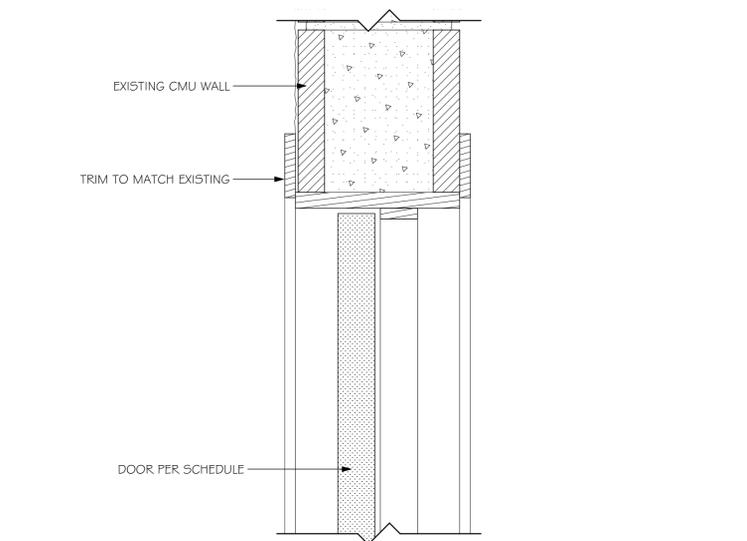
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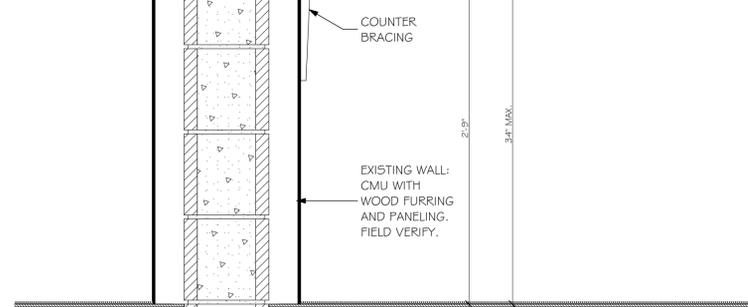
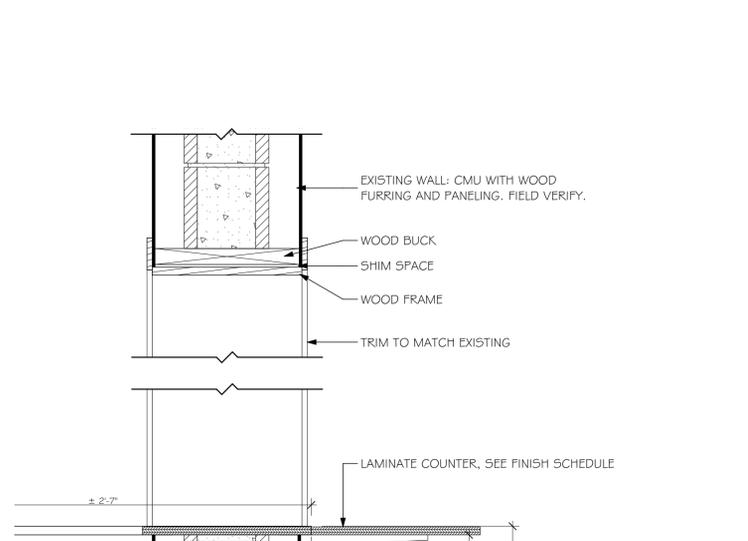
1 DOOR HEAD/JAMB AND SILL
A500 SCALE: 3" = 1'-0" 0 3 6 9"



2 DOOR HEAD/JAMB AND SILL
A500 SCALE: 3" = 1'-0" 0 3 6 9"



3 DOOR HEAD/JAMB AND SILL
A500 SCALE: 3" = 1'-0"



4 TYPICAL DETAIL
A500 SCALE: 1 1/2" = 1'-0" 0 6 12 18"

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MECHANICAL / PLUMBING
MODERN PROFESSIONAL ENGINEERING
1600 MILL STREET
TALLAHASSEE, FL 32310
(850) 459-9834

ELECTRICAL
APPLIED RESEARCH & DESIGN
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TALLAHASSEE, FL 32309
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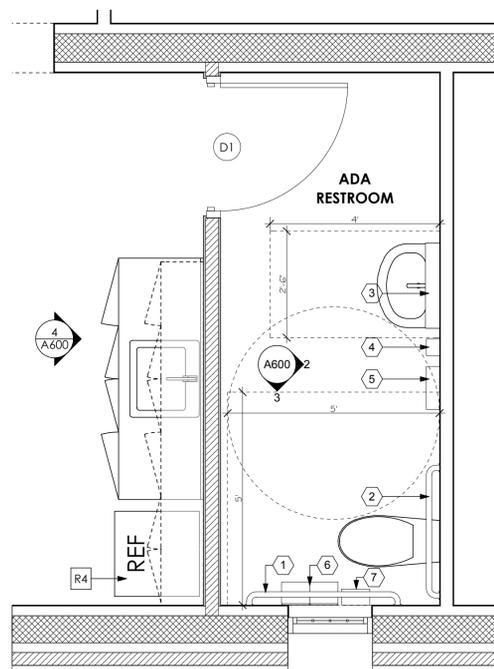
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PLANNING
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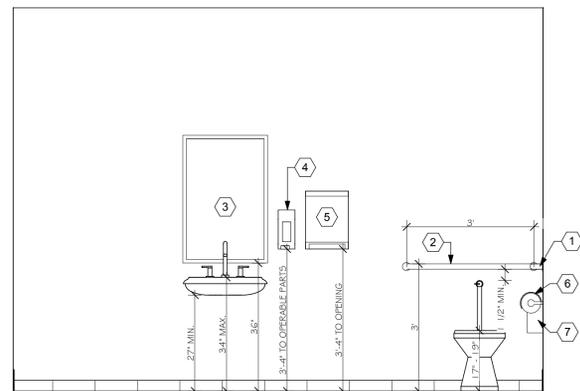
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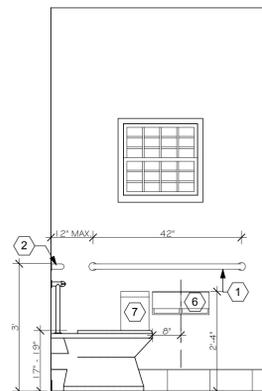
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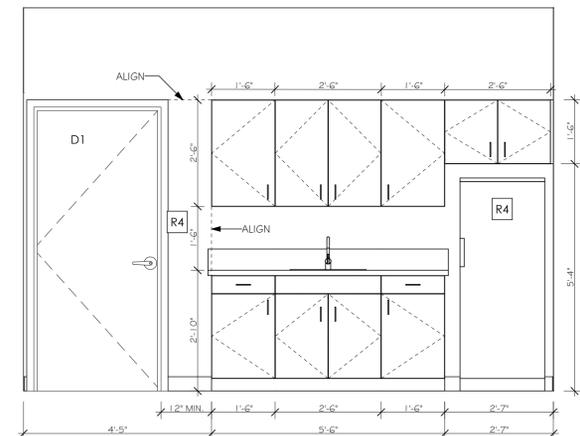
1 ENLARGED PLAN
A600 SCALE: 1/2" = 1'-0"



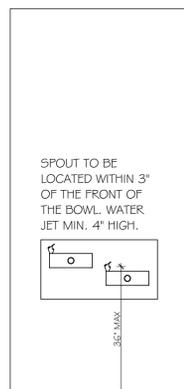
2 E ADA ELEVATION
A600 SCALE: 1/2" = 1'-0"



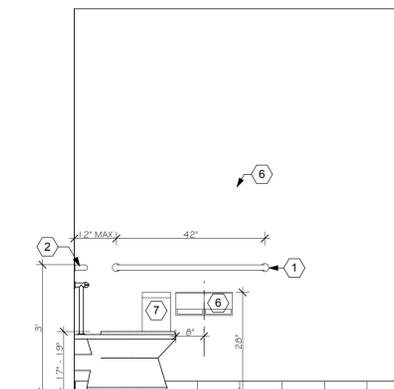
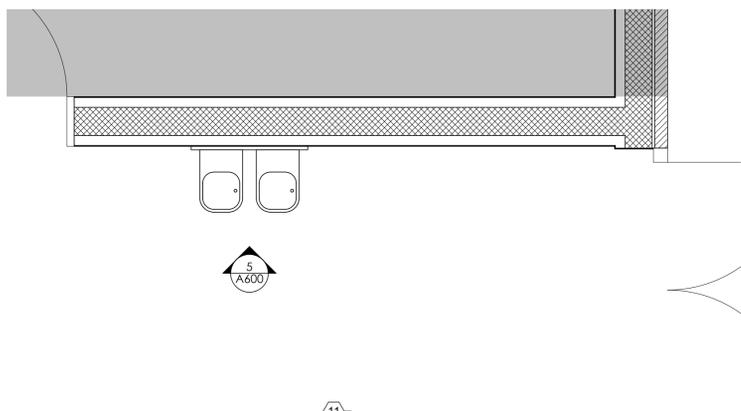
3 S ADA ELEVATION
A600 SCALE: 1/2" = 1'-0"



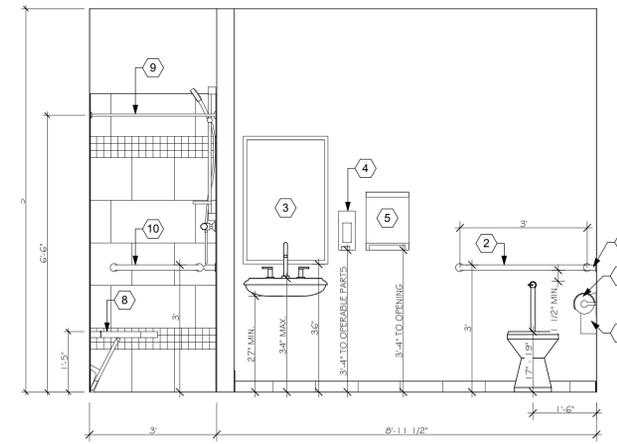
4 BREAK ROOM ELEVATION
A600 SCALE: 1/2" = 1'-0"



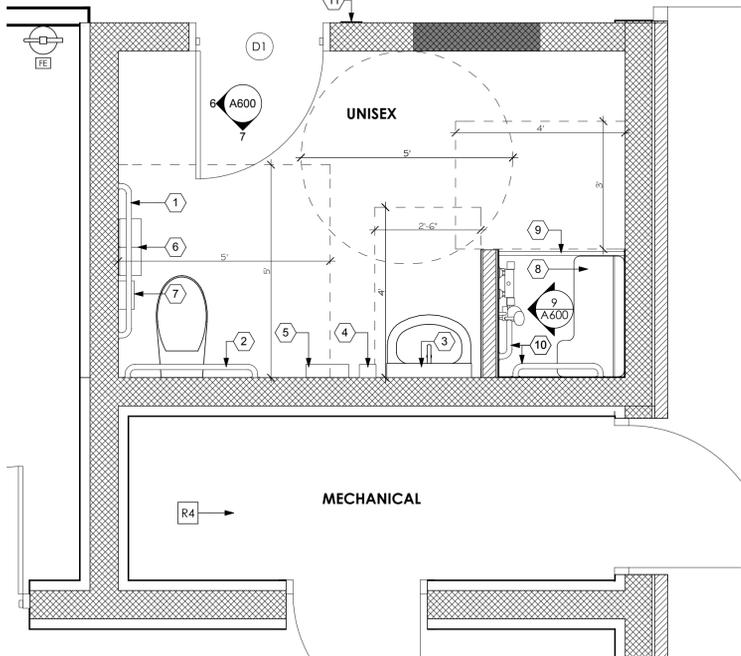
5 FOUNTIAN ELEV.
A600 SCALE: 1/2" = 1'-0"



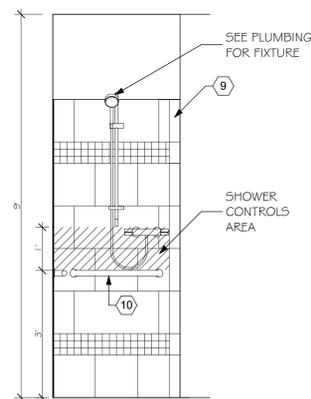
6 W UNISEX ELEVATION
A600 SCALE: 1/2" = 1'-0"



7 S UNISEX ELEVATION
A600 SCALE: 1/2" = 1'-0"



8 ENLARGED PLAN
A600 SCALE: 1/2" = 1'-0"



9 SHOWER ELEV
A600 SCALE: 1/2" = 1'-0"

- ① 42" GRAB BAR, MODEL NO. 812
- ② 36" GRAB BAR, MODEL NO. 812
- ③ ANGLE FRAME MIRROR, MODEL NO. 780
- ④ SOAP DISPENSER, MODEL NO. 6562
- ⑤ PAPER TOWEL DISPENSER, MODEL NO. 250-15
- ⑥ TOILET TISSUE DISPENSER, MODEL NO. 5234
- ⑦ SANITARY NAPKIN DISPOSAL, MODEL NO. 4781-15
- ⑧ SHOWER SEAT, MODEL NO. 9593
- ⑨ 36" CURTAIN ROD, MODEL NO. 9538
- ⑩ 24" GRAB BAR, MODEL NO. 812

BASIS OF DESIGN: BRADLEY WASHROOM ACCESSORIES, UNLESS OTHERWISE SPECIFIED. ALL FINISHES TO BE STANDARD SATIN FINISH. ALL EXPOSED PIPES IN ADA RESTROOM SHALL BE WRAPPED.

RESTROOM SIGNAGE (TYPICAL 6"x8" PLASTIC SIGNAGE WITH RAISED BRAILLE, SUBMIT FOR APPROVAL). TO BE INSTALLED ADJACENT TO RESTROOM DOORS.

10 ACCESSORY LEGEND
A600 SCALE: 1/8" = 1'-0"

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MECHANICAL / PLUMBING
MODERN PROFESSIONAL ENGINEERING
1600 MILL STREET
TALLAHASSEE, FL 32310
(850) 459-9834

ELECTRICAL
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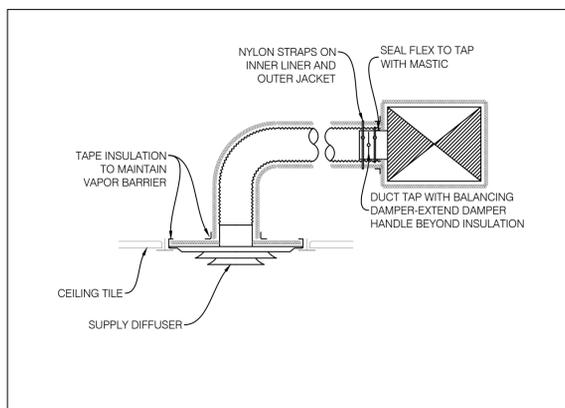
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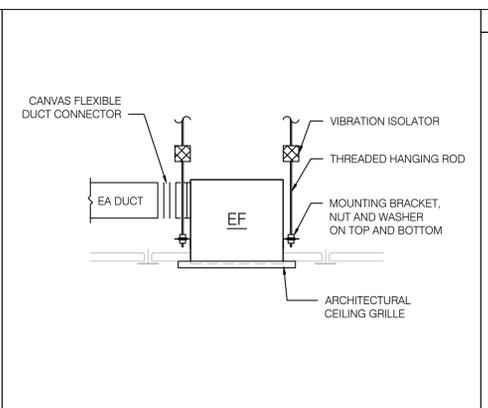
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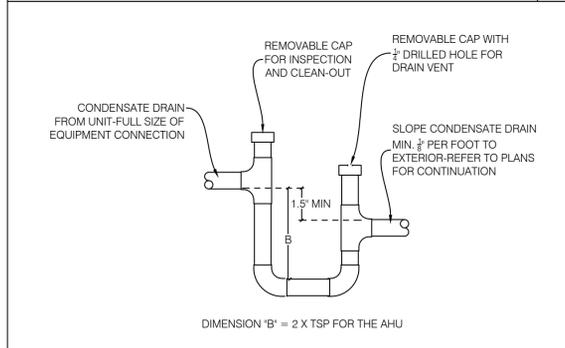
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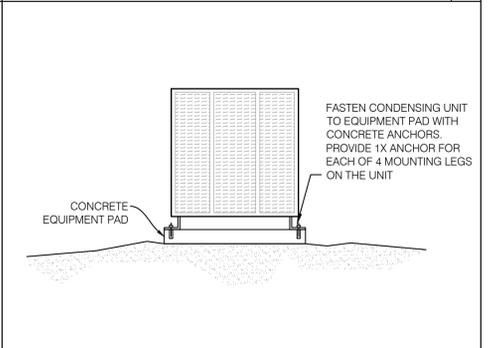
CEILING DIFFUSER DETAIL
SCALE:NONE



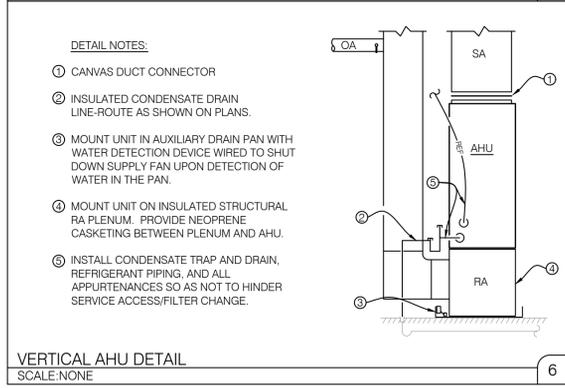
CEILING EXHAUST FAN DETAIL
SCALE:NONE



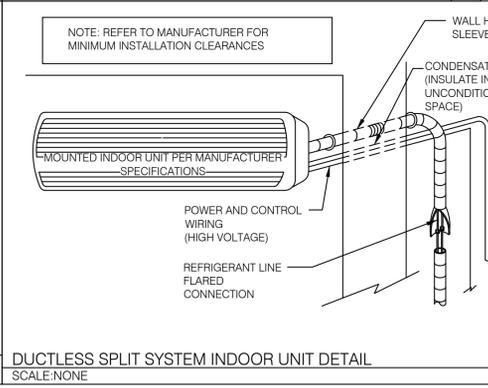
CONDENSATE TRAP DETAIL - BLOW THROUGH
SCALE:NONE



HEAT PUMP UNIT DETAIL
SCALE:NONE



VERTICAL AHU DETAIL
SCALE:NONE



DUCTLESS SPLIT SYSTEM INDOOR UNIT DETAIL
SCALE:NONE

NOT ALL SYMBOLS ON LEGEND NECESSARILY APPLY TO THIS PROJECT

SYMBOL	DESCRIPTION
[Symbol]	SUPPLY DIFFUSER
[Symbol]	RETURN GRILLE
[Symbol]	EXHAUST GRILLE
[Symbol]	SA/RA TAKE-OFF WITH FLEX TAKE-OFF W/ DAMPER
[Symbol]	SA/RA TAKE-OFF WITH RIGID DUCT TAKE-OFF W/ DAMPER
[Symbol]	INDICATES RND DUCT CONTINUES
[Symbol]	CONDENSING UNIT
[Symbol]	HEAT PUMP
[Symbol]	CEILING MOUNTED EXHAUST FAN
[Symbol]	MANUAL BALANCING DAMPER
[Symbol]	DUCT MOUNTED SMOKE DETECTOR
[Symbol]	DUCT MOUNTED TEMPERATURE SENSOR
[Symbol]	DUCT MOUNTED MOTORIZED DAMPER
[Symbol]	DUCT MOUNTED BACKDRAFT DAMPER
[Symbol]	DUCT MOUNTED BAROMETRIC DAMPER
[Symbol]	DUCT CONTINUES UP
[Symbol]	THERMOMETER
[Symbol]	PRESSURE GAUGE
[Symbol]	DUCT HUMIDITY SENSOR
[Symbol]	DUCT FLOW METER
[Symbol]	MOTORIZED CONTROL VALVE
[Symbol]	BALANCING VALVE
[Symbol]	SHUT-OFF/ISOLATION VALVE
[Symbol]	DEMOLITION HATCH INDICATION
[Symbol]	EQUIPMENT, PIPE, DUCT, FITTINGS, ETC TO BE DEMOLISHED WILL BE INDICATED SPECIFICALLY OR BY DIAGONAL HATCH MARKING.
[Symbol]	AIR DISTRIBUTION DEVICE TAG
[Symbol]	CONDENSATE DRAIN PIPE
[Symbol]	CLEAN-OUT IN CD
[Symbol]	CD TRAP (REFER TO DETAIL)
[Symbol]	INSULATED REFRIGERANT LINES
[Symbol]	THERMOSTAT
[Symbol]	SENSOR - ZONE SENSOR
[Symbol]	TEMPERATURE SENSOR
[Symbol]	CARBON MONOXIDE SENSOR
[Symbol]	CARBON DIOXIDE SENSOR
[Symbol]	SUPPLY/RETURN DUCT FIRST DIMENSION = WIDTH SECOND DIMENSION = HEIGHT

SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

GENERAL DATA			COOLING CAPACITY			HEATING		ELECTRICAL DATA			REMARKS		
TAG	MODEL NUMBER	NOMINAL TONS	MATCHED AIR HANDLER	WEIGHT (LB)	TOTAL COOLING (MBH)	SENS. COOLING (MBH)	SEER	SOURCE (MBH)	HSPF (COP)	V/PZ	MCA	MOCP	S
HP-2	Bryant 214D	3.5	AHU-2	189	42	36	14	48	8.5	208/1	20.4	35	1-3

REMARKS:
1. HEAT PUMP SELECTIONS BASED ON BRYANT.
2. EFFICIENCY RATINGS ARE BASED ON SYSTEM WITH MATCHED AHU AND HP.
3. REFRIGERANT LINE SIZING SHALL BE PER MANUFACTURERS RECOMMENDATIONS

SPLIT AIR HANDLING UNIT SCHEDULE

GENERAL DATA			FAN DATA			AIR CONDITIONS			ELECTRICAL			REMARKS		
TAG	MODEL NUMBER	NOMINAL TONS	MATCHED CONDENSING UNIT	NOMINAL AIRFLOW (CFM)	VENT. AIRFLOW	ESP	POWER (HP)	EAT (DB/WB)	LAT (DB/WB)	AUX HEAT (KW)	V/PZ	MCA	MOCP	S
AHU-2	FB4CNP042	3.5	HP-2	1400	70	0.5	1/2	80	67	5	208/1	50.4	60	1-5

REMARKS:
1. AIR HANDLER SELECTION BASED ON CARRIER
2. PROVIDE SINGLE POINT POWER CONNECTION WITH INTEGRAL DISCONNECT.
3. PROVIDE NEW 7-DAY PROGRAMMABLE THERMOSTAT WITH HUMIDITY CONTROL FEATURES IF AHU IS REPLACED.
ENERGIZED.
5. PROVIDE CONDENSATE PUMP.

FAN SCHEDULE

GENERAL DATA									
TAG	MFG.	MODEL NUMBER	VOL (CFM)	SP (INWC)	DRIVE	MOTOR SIZE (HP)	WEIGHT	ELECTRICAL (V/PZ)	REMARKS
EF-1	COOK	GC-146	75	0.125	DIRECT	27.8W	11	120/1	1-5
EF-2	COOK	GC-166	150	0.125	DIRECT	48.2W	12	120/1	1-5

REMARKS:
1. FAN SPEED CONTROLLER.
2. INSULATED HOUSING.
3. VIBRATION ISOLATORS.
4. CEILING MOUNTED
5. INTERLOCK WITH WALL LIGHT SWITCH.

DUCTLESS SPLIT SYSTEM SCHEDULE

INDOOR UNIT DATA					OUTDOOR UNIT DATA						
UNIT TAG (INDOOR)	UNIT TAG (OUTDOOR)	MANUF	MODEL #	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	UNIT TAG	MODEL #	Eff (SEER)	ELECTRICAL (V/PZ)	MCA (A)	MAX FUSE (A)
DSSI-1	DSSO-1	DAIKIN	FTXN12KEVJU	12	-	DSCU-2	RKN12KEVJU	18	208-230/1	7	15

REMARKS:
1. INDOOR UNITS ARE POWERED FROM OUTDOOR UNIT.
2. INDOOR UNITS ARE WALL MOUNTED.
3. PROVIDE ALL ACCESSORIES, MOUNTING BRACKETS, FLARE FITTING, ETC. FOR A COMPLETE INSTALLATION.

HVAC GENERAL NOTES

- PLANS ARE DIAGRAMMATIC IN NATURE AND INTENDED TO SHOW THE GENERAL SCOPE OF THE WORK TO BE PERFORMED.
- REVIEW ALL PLANS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT FOR COORDINATION WITH BUILDING FEATURES AND ALL OTHER TRADES.
- ALL ITEMS INSTALLED UNDER THE SCOPE OF THIS PROJECT SHALL BE NEW, CLEAN, AND FREE OF DEFECTS.
- ALL WORK PERFORMED AS PART OF THIS PROJECT SHALL BE PERFORMED BY EXPERIENCED TRADESMEN, TRAINED, EXPERIENCED, AND SKILLED IN THE TASKS INCIDENTAL TO THE PROJECT.
- THE CONTRACTOR PERFORMING WORK ON THIS PROJECT WILL BE RESPONSIBLE FOR CLEANING THE WORK AREA OF ANY DEBRIS ASSOCIATED WITH THE WORK BEING PERFORMED.
- THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES PRIOR TO PURCHASING, FABRICATING, OR INSTALLING ANY OF THE MATERIALS AND EQUIPMENT ASSOCIATED WITH THE PROJECT.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH:
 - THE FLORIDA BUILDING CODE, 2014.
 - BUILDING
 - MECHANICAL
 - PLUMBING
 - ENERGY CONSERVATION
 - SMACNA DUCT STANDARDS
 - ASHRAE 90.1-2007
 - ASHRAE 62.1
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS REQUIRED BY THE LOCAL BUILDING AUTHORITIES. THE CONTRACTOR IS RESPONSIBLE FOR ALL FEES ASSOCIATED WITH PERMITTING THE PROJECT. SUCH FEES SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- SUBMITTALS
 - CONTRACTORS USE OF AN APPROVAL STAMP ON SUBMITTAL DOCUMENTS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS.
 - THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES, OR SIMILAR SUBMITTAL ITEMS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES, OR SIMILAR SUBMITTAL ITEMS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.

HVAC EQUIPMENT NOTES

- ONLY NEW EQUIPMENT SHALL BE PROVIDED.
- ALL CONNECTIONS TO EQUIPMENT SHALL BE MADE WITH FLEXIBLE REGIONS FOR VIBRATION ISOLATION.
- ALL EQUIPMENT SHALL BE LABELED SO THAT USERS CAN IDENTIFY EACH PIECE OF EQUIPMENT. LABELS SHALL BE CONSISTENT WITH EQUIPMENT TAGS THAT ARE LISTED IN THE SCHEDULES WITHIN THESE DOCUMENTS.

DUCTWORK NOTES

- ALL LABELED DUCT DIMENSIONS ARE INSIDE CLEAR UNLESS NOTED OTHERWISE.
- SUPPLY AND RETURN DUCTS SHALL BE CONSTRUCTED OF GALVANIZED STEEL SHEET METAL. DUCT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST PUBLISHED SMACNA GUIDELINES AND STANDARDS.
- ALL DUCTWORK LINES SHALL BE RUN STRAIGHT, LEVEL, AND PLUMB, AND ROUTED AS INDICATED IN THESE DRAWINGS.
- MINOR MODIFICATIONS TO DUCT ROUTING DUE TO OBSTRUCTIONS OR COORDINATION WITH OTHER TRADES WILL BE FURNISHED WITHOUT ADDITIONAL COST TO THE OWNER. ANY CHANGES IN SIZE TO DUCTWORK MUST BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION.
- BLADE TYPE BALANCING DAMPERS, UNLESS NOTED OTHERWISE IN THESE DOCUMENTS OR IN THE PROJECT SPECIFICATION MANUAL, SHALL BE PROVIDED AT ALL SUPPLY DUCT RUN-OUTS.
- FLEXIBLE DUCTS TO AIR TERMINALS SHALL BE LIMITED IN LENGTH TO 12'.
- BENDS IN FLEXIBLE DUCTS SHOULD BE MINIMIZED, AND MADE IN SUCH A MANNER SO AS NOT TO RESTRICT THE AIRFLOW.
- ALL FLEXIBLE DUCTS SHALL BE SUPPORTED SO THAT HORIZONTAL RUNS ARE STRAIGHT AND WITHOUT SAGS OR BENDS. SHEET METAL SADDLES SHALL BE PROVIDED AT ALL HANGERS FOR FLEX DUCTS TO PREVENT KINKING OF THE DUCTS AND EXCESSIVE COMPRESSION OF THE INSULATION.
- ALL MITERED RECTANGULAR DUCT 90 DEGREE ELBOWS SHALL BE PROVIDED WITH TURNING VANES.
- CONCEALED DUCTS SHALL BE INSULATED WITH R6 EXTERNAL INSULATION. INSULATION SHALL BE STAPLED, TAPED, AND SEALED WITH MASTIC.

HVAC PIPING NOTES

- CONDENSATE DRAIN PIPING SHALL BE 1/2" PVC UNLESS NOTED OTHERWISE.
- ALL CONDENSATE DRAIN PIPING LOCATED WITHIN THE CONDITIONED ENVELOPE OF THE BUILDING SHALL BE INSULATED WITH ELASTOMERIC INSULATION WITH TAPED JOINTS.
- ALL CONDENSATE DRAIN PIPE SYSTEMS SHALL HAVE A TRAP AT EACH PIECE OF EQUIPMENT. REFER TO DETAILS FOR TRAP SPECIFICATIONS.
- ALL REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH 1/2" MINIMUM ELASTOMERIC INSULATION WITH TAPED JOINTS.
- ALL EXTERIOR PIPING INSULATION SHALL BE PROTECTED FROM UV RADIATION. COVER ALL EXTERIOR REFRIGERANT LINES WITH ALUMINUM JACKET.
- REFRIGERANT PIPE SYSTEMS SHALL BE PLACED UNDER A VACUUM FOR REMOVAL OF NON-CONDENSABLES PRIOR TO BEING PUT INTO SERVICE.
- REFRIGERANT PIPE SYSTEMS SHALL BE PRESSURE TESTED USING NITROGEN PRIOR TO BEING PUT INTO SERVICE.
- REFRIGERANT PIPES SHALL BE SIZED BY THE EQUIPMENT MFG.

ENERGY SYSTEMS NOTES

- PROVIDE A TEST AND BALANCE OF THE SYSTEM IN COMPLIANCE WITH FBC-EC SECTION 503.2.9.
- PERFORM TEST AND BALANCE IN ACCORDANCE WITH THE LATEST NEBB, ASHRAE, OR EQUIVALENT GUIDELINES FOR SUCH WORK.
- PROVIDE OWNER A COMPLETE SET OF OPERATIONS AND MAINTENANCE MANUALS FOR ALL COOLING AND VENTILATION EQUIPMENT.

GENERAL NOTES

- VALUE ENGINEERING OR CHANGES TO PLANS MUST BE RESUBMITTED AND APPROVED THROUGH THE BUILDING DEPARTMENT PRIOR TO BEING INSTALLED.

SHEET INDEX

SHEET NUMBER	SHEET TITLE
M0.1	HVAC LEGEND, NOTES, DETAILS & SCHEDULES
MD1.1	FLOOR PLAN - HVAC - DEMOLITION
M1.1	FLOOR PLAN - HVAC - RENOVATION

CONSULTANTS

MODERN
PROFESSIONAL ENGINEERING INC.
CA# 28968
1400 Mill Street Tallahassee, FL 32310
850.222.9499

MLD ARCHITECTS
AA 26003006
ARCHITECTURE
INTERIOR DESIGN
PLANNING
211 JOHN KNOX RD, SUITE 105
TALLAHASSEE, FL 32303
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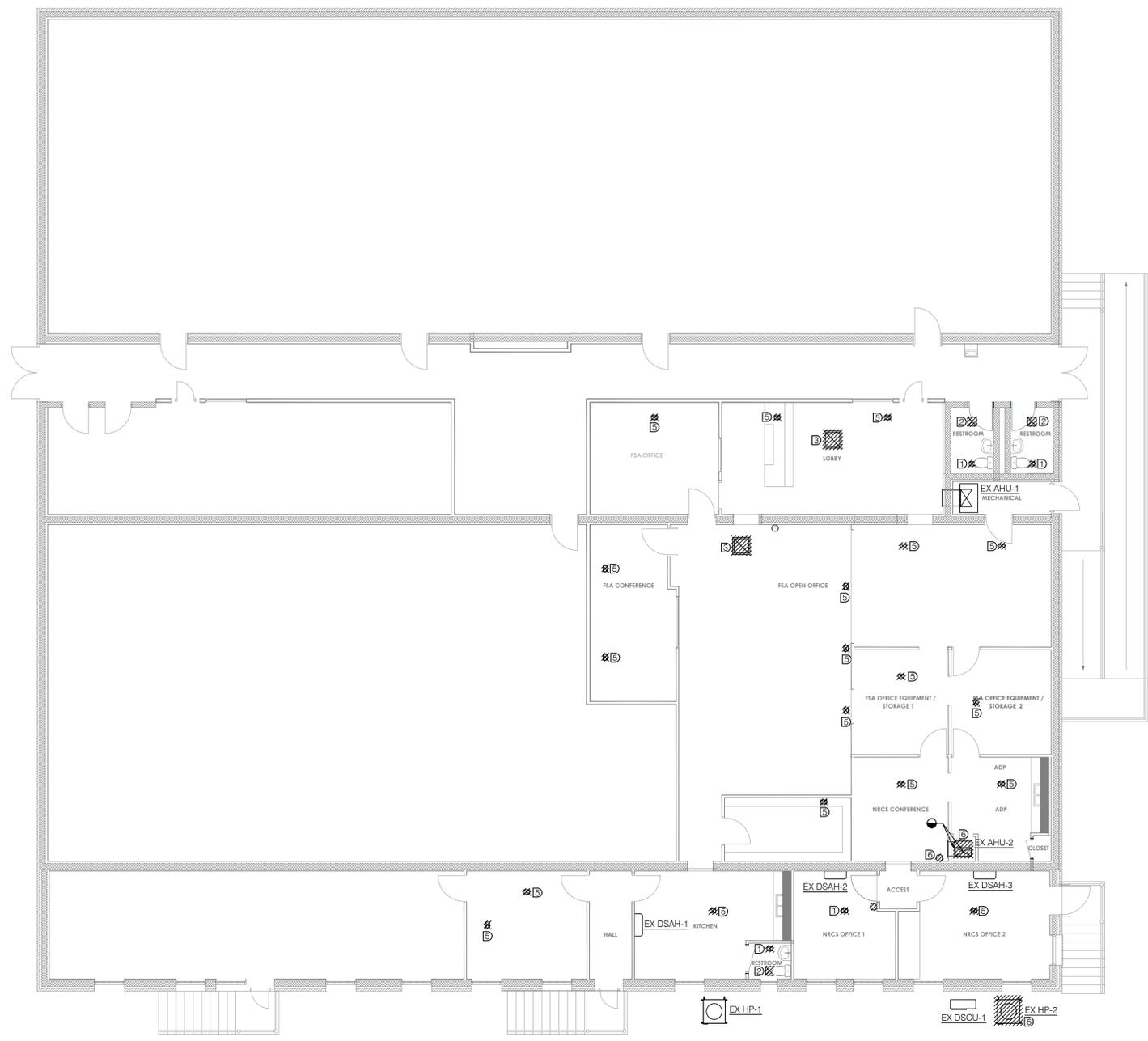
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M0.1

DEMOLITION KEYED NOTES:

- 1 DEMOLISH EXISTING CEILING TERMINAL DEVICE AND ASSOCIATED DUCTWORK TO MAIN TRUNK LINE. CAP AIR TIGHT AT LIMITS OF DEMOLITION.
- 2 DEMOLISH EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK.
- 3 REMOVE AND CLEAN EXISTING CEILING TERMINAL DEVICE. PREPARE FOR RE-LOCATION. CONTRACTOR SHALL VERIFY EXISTING FLEX DUCTWORK WILL REACH NEW DIFFUSER LOCATION AS INDICATED ON RENOVATION PLAN OTHERWISE DEMOLISH TO MAIN TRUNK LINE.
- 4 EXISTING CEILING TERMINAL DEVICE TO BE REPLACED WITH NEW. CONTRACTOR SHALL VERIFY EXISTING FLEX DUCTWORK WILL REACH NEW DIFFUSER LOCATION AS INDICATED ON RENOVATION PLAN OTHERWISE DEMOLISH TO MAIN TRUNK LINE.
- 5 DEMOLISH EXISTING SPLIT SYSTEM UNITS, THERMOSTAT, RETURN AIR PLENUM AND ASSOCIATED COMPONENTS.

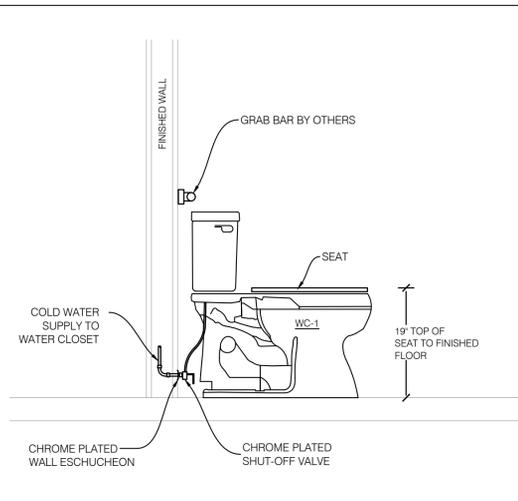


1 FLOOR PLAN - HVAC - DEMOLITION
MD1.1 SCALE: 1/8" = 1'-0"

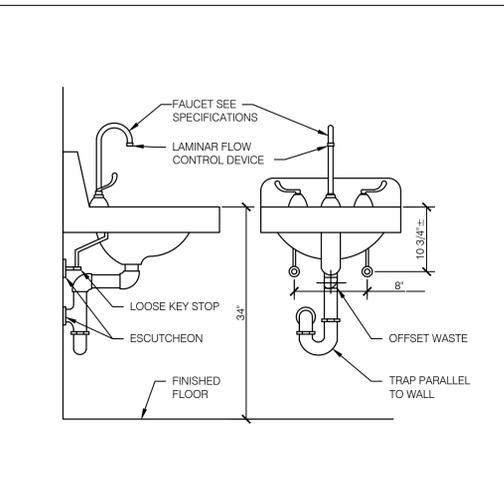
- RENOVATION KEYED NOTES:**
- 1 CEILING TERMINAL DEVICE SHALL BE CLEANED AND REINSTALLED IN LOCATION INDICATED. RE-BALANCE TO ORIGINAL FLOW RATE UNLESS NOTED OTHERWISE. EXISTING FLEX MAY BE RE-USED BUT MAY NOT BE SPLICED. IF EXISTING FLEX IS NOT LONG ENOUGH FOR NEW GRILLE LOCATION, PROVIDE A NEW FLEXIBLE DUCT BACK TO MAIN BRANCH DUCT AND TAP.
 - 2 PROVIDE NEW CEILING TERMINAL DEVICE IN LOCATION INDICATED. CONNECT TO EXISTING MAIN TRUNK LINE WITH FLEX. PROVIDE NEW TAP AND BALANCING DAMPER. REFER TO DETAIL. FIELD VERIFY EXACT LOCATION.
 - 3 PROVIDE NEW EXHAUST FAN IN LOCATION INDICATED. ROUTE TO EXISTING VENTILATOR TO OUTSIDE. FIELD VERIFY EXACT LOCATION.
 - 4 INSTALL MINI-SPLIT AIR HANDLING UNIT AND THERMOSTAT TO LOCATION INDICATED. PROVIDE NEW REFRIGERANT AND CONDENSATE PIPING. ROUTE NEW CONDENSATE DRAIN TO EXISTING CONDENSATE REMOVAL SYSTEM. FIELD VERIFY EXACT LOCATION.
 - 5 PROVIDE NEW CEILING TERMINAL DEVICE IN LOCATION INDICATED. RE-BALANCE TO FLOW RATE INDICATED. EXISTING FLEX MAY BE RE-USED BUT MAY NOT BE SPLICED. IF EXISTING FLEX IS NOT LONG ENOUGH FOR NEW GRILLE LOCATION, PROVIDE A NEW FLEXIBLE DUCT BACK TO MAIN BRANCH DUCT AND TAP.
 - 6 RECONNECT NEW AHU-2 TO EXISTING SUPPLY DUCTWORK. REBUILD RETURN AIR PLENUM AND RECONNECT PLENUM BACK TO EXISTING RETURN AIR PATH. PROVIDE NEW REFRIGERANT AND CONDENSATE PIPING. REFER TO DETAIL. ROUTE NEW CONDENSATE DRAIN TO EXISTING CONDENSATE REMOVAL SYSTEM.
 - 7 MOUNT CONDENSING EQUIPMENT ON CONCRETE PAD. SECURE TO PAD WITH CONCRETE ANCHORS AND BOLTS. REFER TO MANUFACTURE FOR EXACT CLEARANCE OF INSTALLATION AND MAINTENANCE.



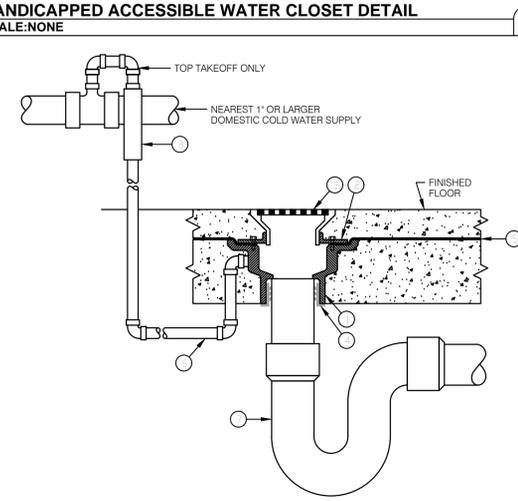
1 FLOOR PLAN - HVAC - RENOVATION
M1.1 SCALE: 1/8" = 1'-0"



HANDICAPPED ACCESSIBLE WATER CLOSET DETAIL
SCALE: NONE

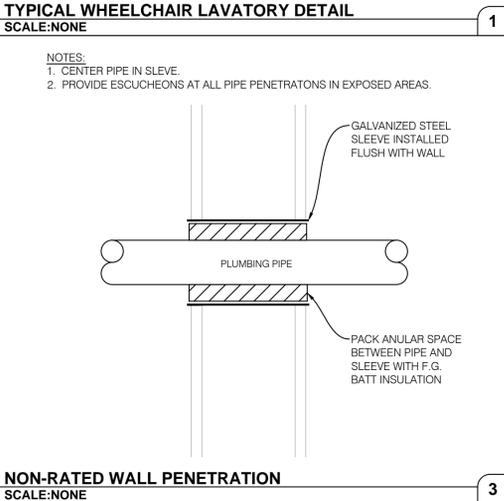


TYPICAL WHEELCHAIR LAVATORY DETAIL
SCALE: NONE



- KEY NOTES: (THIS DETAIL ONLY)**
- CAST IRON FLOOR DRAIN BODY WITH 1/2" TRAP PRIMER TAP AND 3" OUTLET.
 - CAST IRON INVERTIBLE CLAMPING COLLAR.
 - POLISHED NICKEL BRONZE 2-PIECE ADJUSTABLE STRAINER.
 - PUSH-ON NEOPRENE COMPRESSION GASKET.
 - WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
 - 1/2" DOMESTIC COLD WATER SUPPLY. CONCEAL IN WALL, ABOVE CEILING OR BELOW FLOOR.
 - 3" DEEP SEAL P-TRAP
 - PRESSURE ACTIVATED TRAP PRIMER VALVE

FLOOR DRAIN DETAIL
SCALE: NONE



NON-RATED WALL PENETRATION
SCALE: NONE

PLUMBING LEGEND	
120 HOT WATER SUPPLY	—————
HOT WATER RETURN	—————
COLD WATER SUPPLY	—————
SANITARY DRAIN	—————
ELBOW DN	—————
ELBOW UP	—————
VENT THROUGH ROOF	—————

ABBREVIATIONS	
CONDENSATE	HB HOSE BIBB
CO CLEAN OUT	HD HUB DRAIN
DCW DOMESTIC COLD WATER SUPPLY	HHWS HEATING HOT WATER SUPPLY
DHW DOMESTIC HOT WATER SUPPLY	HHWS HEATING HOT WATER RETURN
CW COMBINATION WASTE AND VENT	HWR HOT WATER RETURN
DN DOWN	L LAVATORY
ECO EXTERIOR CLEANOUT	SAN SANITARY WASTE
EX EXISTING	UNO UNLESS NOTED OTHERWISE
FCO FLOOR CLEANOUT	VTR VENT THROUGH ROOF
FD FLOOR DRAIN	WC WATER CLOSET
	WCO WALL CLEAN OUT

PLUMBING SCHEDULE		
TAG	ITEM DESCRIPTION	DETAILS
WC-1	ADA WATER CLOSET, TANK TYPE	TOILET: KOHLER K-3615 ADA TANK TYPE COLOR: WHITE 1.28-GPF SEAT: CHURCH 9500-C SOLID PLASTIC OPEN FRONT
LAV-1	WALL MOUNTED ADA LAVATORY	KOHLER KINGSTON M: K-2005, WALL MOUNTED VITREOUS CHINA LAVATORY, ADA COMPLIANT FAUCET - KOHLER K-15199 4" CENTER CHROME FAUCET WITH SINGLE LEVER HANDLE INCLUDE WATTS CA-421 FLOOR MOUNTED CARRIER, AND PVC COVER FOR EXPOSED PLUMBING
SW-1	SHOWER	FAUCET: KOHLER ANTIQUE K-T132-4D SHOWER TRIM SET PROVIDE HANDSHOWER, SLIDE BAR, GRAB BAR AND ADA COMPLIANT ACCESSORIES AS NEEDED. INCLUDE KOHLER RITE-TEMP K-304 1/2" PRESSURE BALANCING VALVE AND DIAL FACE PLATE
DF-1	BI LEVEL DRINKING FOUNTAIN	ELAKY M-LVROCHDTLSSC FILTERED, VANDAL-RESISTANT, BARRIER FREE WATER COOLER, BI-LEVEL ADA COMPLIANT
FD	FLOOR DRAIN	JR SMITH 2210, PROVIDE BRONZE COVER

PLUMBING GENERAL SPECIFICATIONS

- PLUMBING DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INTENDED TO SHOW THE GENERAL SCOPE OF WORK TO BE PERFORMED. SLIGHT DEVIATIONS DUE TO COORDINATION WITH OTHER TRADES AND BUILDING STRUCTURE MAY BE EXPECTED, AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- THE INTENT OF THESE DRAWINGS IS TO PROVIDE COMPLETE, FUNCTIONAL PLUMBING SYSTEMS. PROVIDE ALL MATERIALS, ACCESSORIES, AND EQUIPMENT NECESSARY FOR COMPLETION OF THE WORK.
- BEFORE SUBMITTING BIDS FOR THE WORK DESCRIBED IN THESE DRAWINGS, EACH BIDDER WILL BE HELD TO HAVE EXAMINED THE PREMISES AND SATISFIED HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND COORDINATION.
- LOCATIONS OF ANY WASTE AND SUPPLY PIPING SHOWN ARE ONLY APPROXIMATE. THE PLUMBING CONTRACTOR SHALL VERIFY THESE LOCATIONS BEFORE PROCEEDING WITH WORK.
- ALL PLUMBING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST PUBLISHED VERSION OF:
 - THE FLORIDA BUILDING CODE
 - THE FLORIDA BUILDING CODE - PLUMBING
 - THE NATIONAL ELECTRIC CODE
 - NSA
- THE CONTRACTOR SHALL INCLUDE ALL PERMITTING, SERVICE, AND CONNECTION CHARGES IN THE BID.
- SUBMITTALS
 - CONTRACTORS USE OF AN APPROVAL STAMP ON SUBMITTAL DOCUMENTS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS.
 - THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEERS APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES, OR SIMILAR SUBMITTAL ITEMS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES, OR SIMILAR SUBMITTAL ITEMS BY THE ARCHITECT/ENGINEERS APPROVAL THEREOF.
 - ALL WORK ASSOCIATED WITH THE SYSTEMS SHOWN IN THESE DRAWINGS SHALL BE PERFORMED BY SKILLED TRADESMEN, TRAINED IN THE PROCEDURES NECESSARY TO PERFORM ALL TASKS ASSOCIATED WITH THE WORK.
 - ALL WORK SHALL BE INSTALLED IN A WORKMANLIKE MANNER.
 - ALL PLUMBING PIPE SHALL BE RUN IN STRAIGHT, SQUARE, LEVEL, AND/OR PLUMB LINES. NO SAGGING OF PLUMBING PIPING SHALL BE ACCEPTED.
 - THE PROJECT SITE SHALL BE CLEANED OF DEBRIS AND TRASH ASSOCIATED WITH THE WORK AT THE END OF EACH DAY, AND PRIOR TO SUBSTANTIAL COMPLETION.

PLUMBING POTABLE WATER SUPPLY SYSTEM SPECIFICATIONS

- GENERAL
 - UNDERGROUND SERVICE PIPING SHALL BE COPPER TUBING.
 - ALL POTABLE WATER PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH THE PLUMBING CODE AND VERIFIED BY WRITTEN REPORT FROM THE STATE BOARD OF HEALTH.
 - ALL PLUMBING PIPING SHALL BE CONCEALED IN FLOORS, WALLS, OR ABOVE CEILINGS AS APPLICABLE EXCEPT AT IMMEDIATE FIXTURE.
- PIPING SYSTEMS SPECIFICATIONS
 - DOMESTIC COLD WATER SUPPLY PIPING SHALL BE HIGH IMPACT CPVC SOLVENT WELD FITTINGS CONFORMING TO ASTM D-2665.
 - NO PVC PIPING SHALL BE USED IN UNCONCEALED SPACES. COPPER PIPING SHALL BE INSTALLED IN UNCONCEALED LOCATIONS.
 - INSULATE CWS PIPING IN EXTERIOR WALLS AND ATTIC WITH 1" IMCOLOCK PRE-SLIT, PRE-GLUED INSULATION. INSULATE FITTINGS WITH MITERED CUT PIECES OF IMCOLOCK, 1" INSULATION.
 - INSULATE HWS PIPING WITH MINIMUM 1" IMCOLOCK INSULATION. THERE SHALL BE NO EXPOSED HWS PIPING.
 - PROVIDE HANGERS FOR CWS PIPING AT A MAXIMUM SPACING OF 3 FEET.
 - BELOW GRADE PIPING SHALL BE COATED WITH HEAVY TROWEL GRADE LION OIL CO. NOKORODE SEALKOTE OR APPROVED EQUAL.
- ALL HOT WATER PIPES SHALL BE INSULATED PER FBC-EC SECTION 504.5 WHERE PART OF A RECIRCULATING SYSTEM.
- PROVIDE WATER HAMMER ARRESTORS IN ALL LOCATIONS WHERE QUICK CLOSING VALVES ARE INSTALLED.

SANITARY WASTE SYSTEM SPECIFICATIONS

- GENERAL
 - GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES.
 - SLOPING PIPES SHALL BE STARTED AT THE HIGHEST POINT POSSIBLE.
 - ALL SOIL, WASTE, AND VENT PIPING SHALL BE TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND LOCAL PERMITTING AUTHORITIES REQUIREMENTS.
- PIPING SYSTEM SPECIFICATIONS
- DOMESTIC SOIL, WASTE, AND VENT PIPING SHALL BE SCHEDULE 40 PVC/DWV PIPE WITH SOLVENT WELD DRAINAGE FITTINGS CONFORMING TO ASTM D-2665.
- UNLESS NOTED OTHERWISE, VENT PIPING SHALL BE 2".
- THE GENERAL CONTRACTOR SHALL VERIFY ALL FLOOR DRAIN AND WATER SUPPLY LOCATIONS BEFORE POURING SLABS.

GENERAL NOTES

- VALUE ENGINEERING OR CHANGES TO PLANS MUST BE RESUBMITTED AND APPROVED THROUGH THE BUILDING DEPARTMENT PRIOR TO BEING INSTALLED.

SHEET INDEX	
SHEET #	TITLE
P0.1	PLUMBING NOTES, DETAILS, & FLOOR PLAN
PD1.1	FLOOR PLAN - PLUMBING - DEMOLITION
P1.1	FLOOR PLAN - PLUMBING - RENOVATION

CONSULTANTS

MODERN
PROFESSIONAL ENGINEERING LLC
CA# 28968
1400 Mill Street Tallahassee, FL 32310
904.222.8493 904.222.8477

MLD
ARCHITECTS
AA 26030006
ARCHITECTURE
INTERIOR DESIGN
PLANNING
211 JOHN KNOX RD, SUITE 105
TALLAHASSEE, FL 32303
(850) 385-9200
MLDARCHITECTS.COM

USDA OFFICE - GRADY COUNTY
GRADY COUNTY
FLORIDA

100%
CONSTRUCTION
DOCUMENTS
PLUMBING
DETAILS
FLOOR PLAN

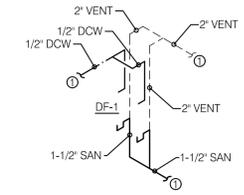
PROJ. NO. 119515
DATE 6/16/2016
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APPROVED REGH
REVISION *
REVISION DATE *

P0.1

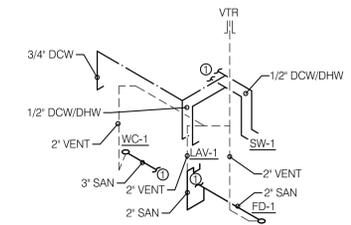
DEMOLITION KEYED NOTES:
D DEMO EXISTING PLUMBING FIXTURES, ASSOCIATED SANITARY SEWER AND WATER PIPING. CAP SANITARY SEWER AND WATER PIPING IN CONCEALED LOCATION.



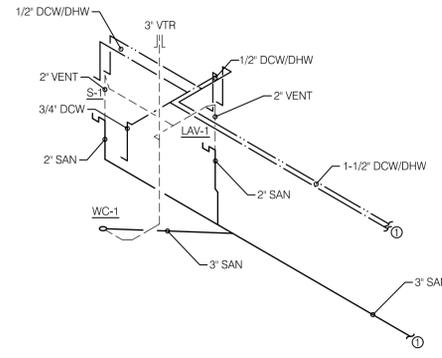
1 FLOOR PLAN - PLUMBING - DEMOLITION
PD1.1 SCALE: 1/8" = 1'-0"



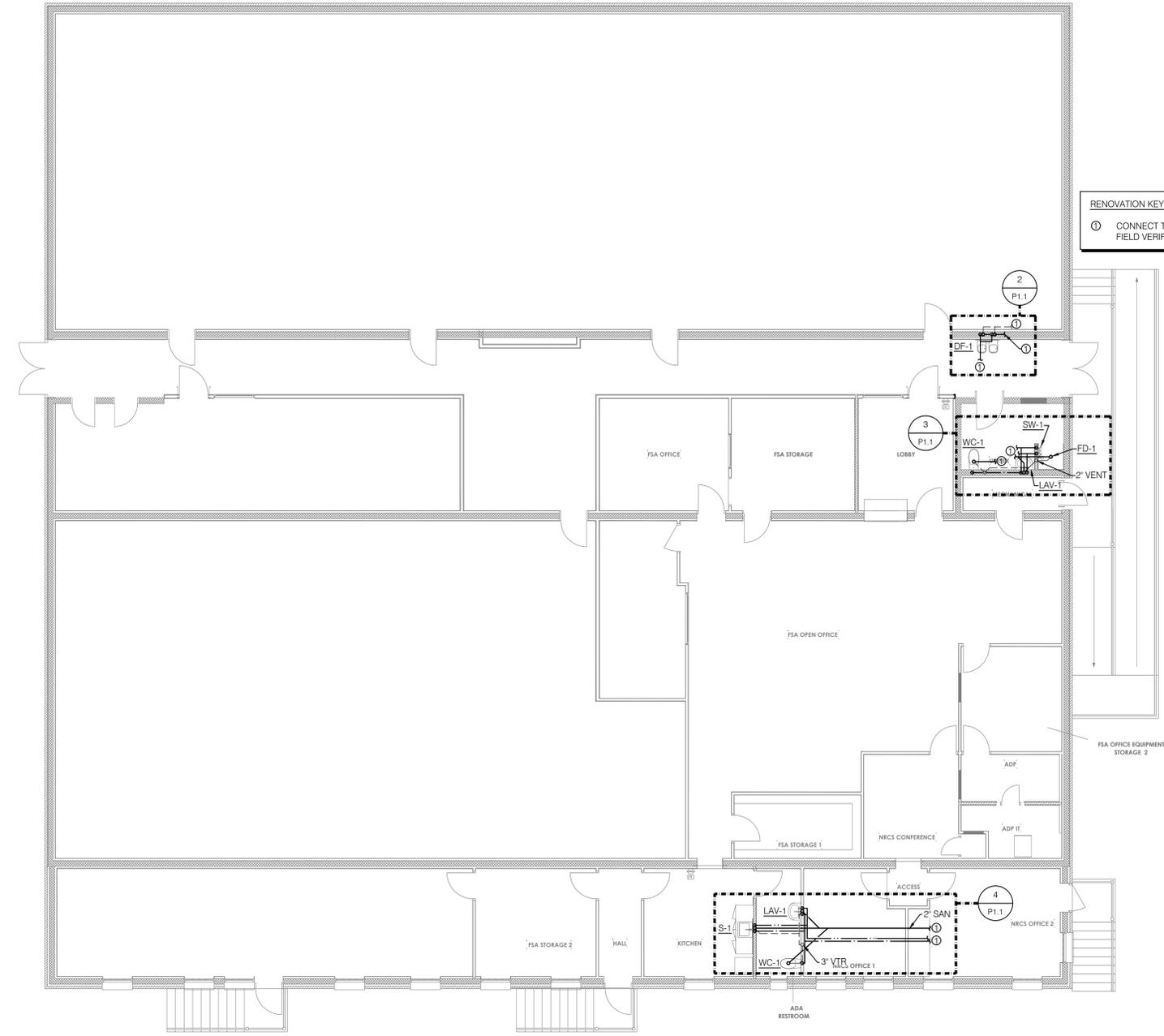
2 ISOMETRIC VIEW - PLUMBING - RENOVATION
P1.1 SCALE: NTS



3 ISOMETRIC VIEW - PLUMBING - RENOVATION
P1.1 SCALE: NTS



4 ISOMETRIC VIEW - PLUMBING - RENOVATION
P1.1 SCALE: NTS



RENOVATION KEYED NOTES:
① CONNECT TO EXISTING PLUMBING LINE.
FIELD VERIFY EXACT LOCATION.

1 FLOOR PLAN - PLUMBING - RENOVATION
P1.1 SCALE: 1/8" = 1'-0"

ELECTRICAL REQUIREMENTS

BASIC ELECTRICAL MATERIALS AND METHODS

- ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, ARTICLE 100, BY A TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED USE.
- IDENTIFICATION DEVICE COLORS: USE THOSE PRESCRIBED BY ANSI A13.1, NFPA 70, AND THESE SPECIFICATIONS.
- COLOR ADHESIVE MARKING TAPE FOR RACEWAYS, WIRES, AND CABLES: SELF-ADHESIVE VINYL TAPE, NOT LESS THAN 1 INCH WIDE BY 3 MILS THICK (25 MM WIDE BY 0.08 MM THICK).
- TAPE MARKERS FOR CONDUCTORS: VINYL OR VINYL-CLOTH, SELF-ADHESIVE, WRAPAROUND TYPE WITH PREPRINTED NUMBERS AND LETTERS.
- STOCK, MELAMINE PLASTIC LAMINATE PUNCHED OR DRILLED FOR MECHANICAL FASTENERS 1/16-INCH (1.6-MM) MINIMUM THICKNESS FOR SIGNS UP TO 20 SQ. IN. (129 SQ. CM) AND 1/8-INCH (3.2-MM) MINIMUM THICKNESS FOR LARGER SIZES. ENGRAVED LEGEND IN BLACK LETTERS ON WHITE BACKGROUND.
- PULL STRINGS: PROVIDE PULL STRINGS IN ALL SPARE OR EMPTY CONDUITS AND RACEWAYS.
- COORDINATE NAMES, ABBREVIATIONS, COLORS, AND OTHER DESIGNATIONS USED FOR ELECTRICAL IDENTIFICATION WITH CORRESPONDING DESIGNATIONS INDICATED IN THE CONTRACT DOCUMENTS OR REQUIRED BY CODES AND STANDARDS. USE CONSISTENT DESIGNATIONS THROUGHOUT PROJECT.
- CUT, CHANNEL, CHASE, AND DRILL FLOORS, WALLS, PARTITIONS, CEILINGS, AND OTHER SURFACES REQUIRED TO PERMIT ELECTRICAL INSTALLATIONS. PERFORM CUTTING BY SKILLED MECHANICS OF TRADES INVOLVED. SEAL ALL CONDUIT PENETRATIONS. USE APPROVED METHODS TO MAINTAIN UL-RATED ASSEMBLIES. REPAIR, REFINISH AND TOUCH UP DISTURBED FINISH MATERIALS AND OTHER SURFACES TO MATCH ADJACENT UNDISTURBED SURFACES.
- ALL WORK SHALL COMPLY WITH CODES & STANDARDS LISTED ON THE PLANS.

GROUNDING AND BONDING

- EQUIPMENT GROUNDING CONDUCTORS: COMPLY WITH NFPA 70, ARTICLE 250, FOR TYPES, SIZES, AND QUANTITIES OF EQUIPMENT GROUNDING CONDUCTORS, UNLESS SPECIFIC TYPES, LARGER SIZES, OR MORE CONDUCTORS THAN REQUIRED BY NFPA 70 ARE INDICATED.
- INSTALL INSULATED EQUIPMENT GROUNDING CONDUCTORS IN ALL FEEDERS AND BRANCH CIRCUITS.
- ALL GROUNDING CONDUCTORS SHALL BE COPPER; COMPLY WITH DIVISION 16 SECTION "CONDUCTORS AND CABLES" AND ASTM B, AS APPLICABLE.
- EQUIPMENT GROUNDING CONDUCTORS: INSULATED WITH GREEN-COLORED INSULATION.
- CONNECTORS: COMPLY WITH IEEE 837 AND UL 467; LISTED FOR USE FOR SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND CONNECTED ITEMS.
- IN RACEWAYS, USE INSULATED EQUIPMENT GROUNDING CONDUCTORS.
- GROUNDING CONDUCTORS: ROUTE ALONG SHORTEST AND STRAIGHTEST PATHS POSSIBLE, UNLESS OTHERWISE INDICATED. AVOID OBSTRUCTING ACCESS OR PLACING CONDUCTORS WHERE THEY MAY BE SUBJECTED TO STRAIN, IMPACT, OR DAMAGE.
- BONDING STRAPS AND JUMPERS: INSTALL SO VIBRATION BY EQUIPMENT MOUNTED ON VIBRATION ISOLATION HANGERS OR SUPPORTS IS NOT TRANSMITTED TO RIGIDLY MOUNTED EQUIPMENT.

CONDUCTORS AND CABLES

- CONDUCTOR MATERIAL: COPPER COMPLYING WITH NEMA WC 5 OR 7; SOLID CONDUCTOR FOR NO. 10 AWG AND SMALLER, STRANDED FOR NO. 8 AWG AND LARGER. MINIMUM CONDUCTOR SIZE: #12 AWG.
- CONDUCTOR INSULATION TYPES: TYPE THHN-THWN COMPLYING WITH NEMA WC 5 OR WC 7.
- TYPE MC CABLE SHALL BE PERMITTED IN EXISTING WALLS OR HARD CEILING, WHERE ALLOWED BY CODE.
- FEEDERS CONCEALED IN WALLS OR CEILING: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY.
- BRANCH CIRCUITS CONCEALED IN CEILINGS, WALLS, AND PARTITIONS: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY; MC CABLE (EXISTING WALLS/CEILING, AS NOTED ABOVE).
- CONCEAL CABLES AND RACEWAYS IN FINISHED WALLS, CEILINGS, AND FLOORS. USE MANUFACTURER-APPROVED PULLING COMPOUND OR LUBRICANT WHERE NECESSARY; COMPOUND USED MUST NOT DETERIORATE CONDUCTOR OR INSULATION. DO NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM PULLING TENSIONS AND SIDEWALL PRESSURE VALUES.
- INSTALL EXPOSED CABLES PARALLEL AND PERPENDICULAR TO SURFACES OF EXPOSED STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.
- MAKE SPLICES AND TAPS THAT ARE COMPATIBLE WITH CONDUCTOR MATERIAL AND THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN UNSPLICED CONDUCTORS.
- WIRING AT OUTLETS: INSTALL CONDUCTOR AT EACH OUTLET, WITH AT LEAST 6 INCHES (150 MM) OF SLACK.

RACEWAYS AND BOXES

- PERMANENTLY LABEL ALL RACEWAYS AND JUNCTION/PULL BOX COVERS TO INDICATE PANEL/CIRCUIT NUMBERS CONTAINED.
- UNLESS OTHERWISE NOTED, PROVIDE NEMA 3R ENCLOSURES IN INDOOR LOCATIONS, NEMA 3R ENCLOSURES IN OUTDOOR LOCATIONS.
- MINIMUM RACEWAY SIZE: 3/4" TRADE SIZE. ALL RACEWAY ABOVE SLAB SHALL BE METALLIC. RNC PERMITTED IN/BELOW SLAB.
- KEEP RACEWAYS AT LEAST 6 INCHES (150 MM) AWAY FROM PARALLEL RUNS OF HOT-WATER PIPES. INSTALL HORIZONTAL RACEWAY RUNS ABOVE WATER PIPING. PROTECT STUB-UPS FROM DAMAGE WHERE CONDUITS RISE THROUGH FLOOR SLABS. ARRANGE SO CURVED PORTIONS OF BENDS ARE NOT VISIBLE ABOVE FINISHED SLAB.
- MAKE BENDS AND OFFSETS SO ID IS NOT REDUCED. KEEP LEGS OF BENDS IN SAME PLANE AND KEEP STRAIGHT LEGS OF OFFSETS PARALLEL, UNLESS OTHERWISE INDICATED.
- CONCEAL CONDUIT AND ENT WITHIN FINISHED WALLS, CEILINGS, AND FLOORS, EXCEPT AT DEDICATED EQUIPMENT ROOMS OR CHASES.
- INSTALL EXPOSED RACEWAYS PARALLEL OR AT RIGHT ANGLES TO NEARBY SURFACES OR STRUCTURAL MEMBERS AND FOLLOW SURFACE CONTOURS AS MUCH AS POSSIBLE.
- INSTALL RACEWAY SEALING FITTINGS AT SUITABLE, APPROVED, AND ACCESSIBLE LOCATIONS AND FILL THEM WITH UL-LISTED SEALING COMPOUND. INSTALL RACEWAY SEALING FITTINGS WHERE CONDUITS PASS FROM WARM TO COLD LOCATIONS, SUCH AS BOUNDARIES OF REFRIGERATED SPACES AND WHERE OTHERWISE REQUIRED BY NFPA 70.
- FLEXIBLE CONNECTIONS: USE MAXIMUM OF 72 INCHES (1830 MM) OF FLEXIBLE CONDUIT FOR RECESSED AND SEMIRECESSED LIGHTING FIXTURES; FOR EQUIPMENT SUBJECT TO VIBRATION, NOISE TRANSMISSION, OR MOVEMENT; AND FOR ALL MOTORS. USE LFMC IN DAMP OR WET LOCATIONS. INSTALL SEPARATE GROUND CONDUCTOR ACROSS FLEXIBLE CONNECTIONS.

WIRING DEVICES

- STRAIGHT-BLADE-TYPE RECEPTACLES: COMPLY WITH NEMA WD 1, NEMA WD 6, DSCC W-C-5986, AND UL 498. STRAIGHT-BLADE AND LOCKING RECEPTACLES: HEAVY-DUTY GRADE.
- SINGLE- AND DOUBLE-POLE SWITCHES: COMPLY WITH DSCC W-C-896F AND UL 20.
- SNAP SWITCHES: HEAVY-DUTY GRADE, QUIET TYPE.
- DEVICE & COVERPLATE FINISH: MATCH EXISTING DEVICES TO REMAIN IN THE AREA, UNLESS OTHERWISE INDICATED OR REQUIRED BY NFPA 70.
- INSTALL DEVICES AND ASSEMBLIES LEVEL, PLUMB, AND SQUARE WITH BUILDING LINES.
- ARRANGEMENT OF DEVICES: UNLESS OTHERWISE INDICATED, MOUNT FLUSH, WITH LONG DIMENSION VERTICAL. GROUP ADJACENT SWITCHES UNDER SINGLE, MULTITANG WALL PLATES.
- REMOVE WALL PLATES AND PROTECT DEVICES AND ASSEMBLIES DURING PAINTING.
- ADJUST LOCATIONS OF FLOOR SERVICE OUTLETS AND SERVICE POLES TO SUIT ARRANGEMENT OF PARTITIONS AND FURNISHINGS.
- AFTER INSTALLING WIRING DEVICES AND AFTER ELECTRICAL CIRCUITRY HAS BEEN ENERGIZED, TEST FOR PROPER POLARITY, GROUND CONTINUITY, AND COMPLIANCE WITH REQUIREMENTS.
- TEST GFCI OPERATION WITH BOTH LOCAL AND REMOTE FAULT SIMULATIONS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

CODES AND STANDARDS

- NFPA 70 NATIONAL ELECTRICAL CODE (NEC), 2014 ED.
- NFPA 72 NATIONAL FIRE ALARM CODE, 2013 ED.
- NFPA 101 LIFE SAFETY CODE, 2012 ED.
- GEORGIA STATE MINIMUM STANDARD BUILDING CODE
- GEORGIA STATE MINIMUM FIRE SAFETY STANDARDS

LIGHTING FIXTURE SCHEDULE

Code	Description	Mfr.	Cat. No.	Lamps	Notes
A	2x4 2 LAMP LAY IN	H.E. WILLIAMS	50 G S 24 3 32 S A1215 EB3 UNV	3 32W T8 FLUOR	
B	2X2 2 LAMP LAY IN	H.E. WILLIAMS	50 G S 22 2 17 S A1215 EB2 UNV	2 17W T8 FLUOR	
C	BATHROOM WALL BRACKET	H.E. WILLIAMS	SLF 2 17 HIA EB2 UNV	2 17W T8 FLUOR	CENTER OVER MIRROR
D	4 FOOT 2 LAMP FLUORESCENT STRIP WITH WIRE CAGE LAMP GUARD	H.E. WILLIAMS	76 4 232 EB2 UNV WG7614	2 32W T8 FLUOR	
EX	ILLUMINATED EXIT DIRECTIONAL SIGNAGE	BEGHELLI	VA4 R SA	LED INCLUDED	
---	---	---	---	---	

PANEL: C (EXISTING)											
MAIN: 200A MLO SERVICE: 120/208V, 3-PHASE, 4-WIRE LOCATION: SEE PLAN RATING: 10,000 AIC TYPE: NEMA-1, SURFACE						NOTE: CONTRACTOR SHALL INVESTIGATE AND IDENTIFY ALL EXISTING PANEL LOADS, AND PROVIDE AN ACCURATE AND DESCRIPTIVE CIRCUIT DIRECTORY.					
CKT	DESCRIPTION	BKR	P	KVA				BKR	P	DESCRIPTION	CKT
				LOAD	A	B	C				
1	EXISTING LOAD	20/20	1	---	---	---	---	1.00	20*	2	NEW DSS
3	EXISTING LOAD	20/20	1	---	---	---	---	1.00	20*	1	EXISTING LOAD
5	EXISTING LOAD	20	1	---	---	---	---	20	1	EXISTING LOAD	
7	EXISTING LOAD	20/20	1	---	---	---	---	20	1	EXISTING LOAD	
9	EXISTING LOAD	20	1	---	---	---	---	30	1	EXISTING LOAD	
11	EXISTING LOAD	20/20	1	---	---	---	---	0.72	20*	1	USDA BREAK RM
13	EXISTING LOAD	20/20	1	---	---	---	---	20	1	EXISTING LOAD	
15	EXISTING LOAD	20/20	1	---	---	---	---	20	1	EXISTING LOAD	
17	EXISTING LOAD	20	1	---	---	---	---	1.00	20*	1	USDA BREAK RM REFRIG
19	EXISTING LOAD	20/20	1	---	---	---	---	20	1	EXISTING LOAD	
21	EXISTING LOAD	20	1	---	---	---	---	20	1	EXISTING LOAD	
23	EXISTING LOAD	20	1	---	---	---	---	20	1	EXISTING LOAD	
25	EXISTING LOAD	20/20	1	---	---	---	---	20	1	EXISTING LOAD	
27	EXISTING LOAD	20	1	---	---	---	---	40	2	EXISTING LOAD	
29	EXISTING LOAD	20	1	---	---	---	---	20	1	EXISTING LOAD	
31	EXISTING LOAD	20/20	1	---	---	---	---	20	1	EXISTING LOAD	
33	EXISTING LOAD	20	1	---	---	---	---	20	1	EXISTING LOAD	
35	SPACE	---	---	---	---	---	---	20	1	EXISTING LOAD	
37	EXISTING LOAD	50	2	---	---	---	---	20	1	EXISTING LOAD	
39	---	---	---	---	---	---	---	20/20	1	EXISTING LOAD	
41	EXISTING LOAD	20	1	---	---	---	---	20	1	EXISTING LOAD	

* - NEW LOAD; PROVIDE NEW BREAKER

LEGEND

	2 X 4 FLUORESCENT STATIC TROFFER LIGHTING FIXTURE.
	2 X 2 FLUORESCENT STATIC TROFFER LIGHTING FIXTURE.
	SINGLE FACE LED EXIT SIGN WITH BATTERY BACKUP, CIRCUIT TO UNSWITCHED ROOM LIGHTING CIRCUIT WITH 2 #12, #12 GND. FIXTURE TYPE EX.
	CONDUCTORS IN RACEWAY, CONCEALED IN WALLS OR CEILING. MINIMUM CONDUCTOR SIZE #12AWG, CU. PROVIDE INSULATED GREEN EQUIPMENT GROUNDING CONDUCTOR, SIZED PER NEC, IN ALL RACEWAYS. RACEWAY TO BE 1/2" MINIMUM. MC CABLE MAY BE USED IN LIEU OF CONDUCTORS IN RACEWAY IN CONCEALED LOCATIONS, WHERE PERMITTED BY N.E.C.
	20A QUIET-TYPE SNAP SWITCH. MOUNT 48" A.F.F. TO TOP. "3" INDICATES 3-WAY SWITCH.
	120V/20A DUPLEX RECEPTACLE. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE.
	120V/20A DUPLEX GFI RECEPTACLE. MOUNT 48" A.F.F. UNLESS NOTED OTHERWISE.
	120V/20A DUPLEX GFI RECEPTACLE. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE. "WP" INDICATES WEATHERPROOF-IN-USE BOX/COVER.
	EXISTING COMMUNICATIONS OUTLET.
	EXHAUST FAN; COORDINATE EXACT LOCATION WITH MECHANICAL.
	ELECTRICAL PANEL.

CONSULTANTS

APPLIED RESEARCH AND DESIGN, INC.
313 WILLIAMS STREET, UNIT #8
TALLAHASSEE, FL 32303
TEL: (850) 882-6324
FAX: (850) 882-6324
JAMES M. LAMB, P.E.
GEORGIA ENGINEERING FIRM #PE0004217
PE#25746
Tel: (850) 668-6324 - E-mail: jmlamb@ard-eng.com

AA 26003006

ARCHITECTURE
INTERIOR DESIGN
PLANNING

211 JOHN KNOX RD, SUITE 105
TALLAHASSEE, FL 32303
(850) 385-9200

MLDARCHITECTS.COM

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ELECTRICAL EXISTING/DEMO
 SCALE: 1/4" = 1'-0"

WORK NOTES:
 (THIS SHEET ONLY)

- 1 EXISTING RESTROOMS, TO BE RENOVATED. REMOVE ALL EXISTING LIGHTING FIXTURES AND DEVICES.
- 2 EXISTING OFFICE, TO BE RENOVATED INTO RESTROOMS. REMOVE ALL EXISTING LIGHTING FIXTURES, DEVICES, AND COMMUNICATIONS OUTLETS. EXISTING DSS TO REMAIN.
- 3 EXISTING SMOKE DETECTOR, TO REMAIN. PROTECT DURING CONSTRUCTION; RE-SUSPEND FROM STRUCTURE ABOVE AND RE-INSTALL IN NEW CEILING. (TYPICAL)
- 4 EXISTING LIGHTING FIXTURE, TO BE REPLACED. REMOVE EXISTING FIXTURE; SEE LIGHTING PLAN FOR NEW FIXTURES/LAYOUT. TYPICAL OF ALL EXISTING LIGHTING FIXTURES SHOWN.
- 5 EXISTING SURFACE-MOUNTED RECEPTACLE. REPLACE WITH RECESSED DEVICE; REMOVE ALL EXISTING SURFACE RACEWAY, AND RE-FEED NEW DEVICE FROM EXISTING BRANCH CIRCUIT WITH CONCEALED WIRING (2 #12, #12 GND); TYPICAL OF ALL EXISTING SURFACE-MOUNTED RECEPTACLES.
- 6 EXISTING SURFACE-MOUNTED SWITCH. REPLACE WITH RECESSED DEVICE; REMOVE ALL EXISTING SURFACE RACEWAY, AND RE-FEED NEW DEVICE FROM EXISTING BRANCH CIRCUIT WITH CONCEALED WIRING (2 #12, #12 GND); TYPICAL OF ALL EXISTING SURFACE-MOUNTED SWITCHES.
- 7 EXISTING SURFACE-MOUNTED COMMUNICATIONS OUTLET. REPLACE WITH RECESSED DEVICE; REMOVE ALL EXISTING SURFACE RACEWAY, AND RE-FEED NEW DEVICE WITH EXISTING CABLE, CONCEALED IN WALL, TERMINATE AND TEST; TYPICAL OF ALL EXISTING SURFACE-MOUNTED COMMUNICATIONS OUTLETS.
- 8 EXISTING CONDENSER UNIT, TO REMAIN.
- 9 EXISTING DSS INDOOR UNIT, TO REMAIN.
- 10 EXISTING AHU, TO BE REPLACED. RECONNECT NEW UNIT TO EXISTING FEEDER.
- 11 EXISTING DUCTLESS SPLIT OUTDOOR UNIT, TO REMAIN.
- 12 EXISTING HEAT PUMP, TO BE REPLACED. RECONNECT NEW UNIT TO EXISTING FEEDER.
- 13 EXISTING PANEL, TO REMAIN.
- 14 EXISTING WALL TO BE REMOVED. REMOVE ALL EXISTING DEVICES AND RACEWAYS; RE-CIRCUIT ALL DEVICES TO REMAIN, TO MAINTAIN CONTINUITY.
- 15 EXISTING WATER COOLER TO BE REPLACED.

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 313 WILLIAMS STREET, UNIT #8
 TALLAHASSEE, FL 32303
 (850) 688-6324
 GEORGIA ENGINEERING #00004217
 JAMES M. LAMB, P.E. #25746
 Tel: (850) 688-6324 - Email: jlam@ard-eng.com

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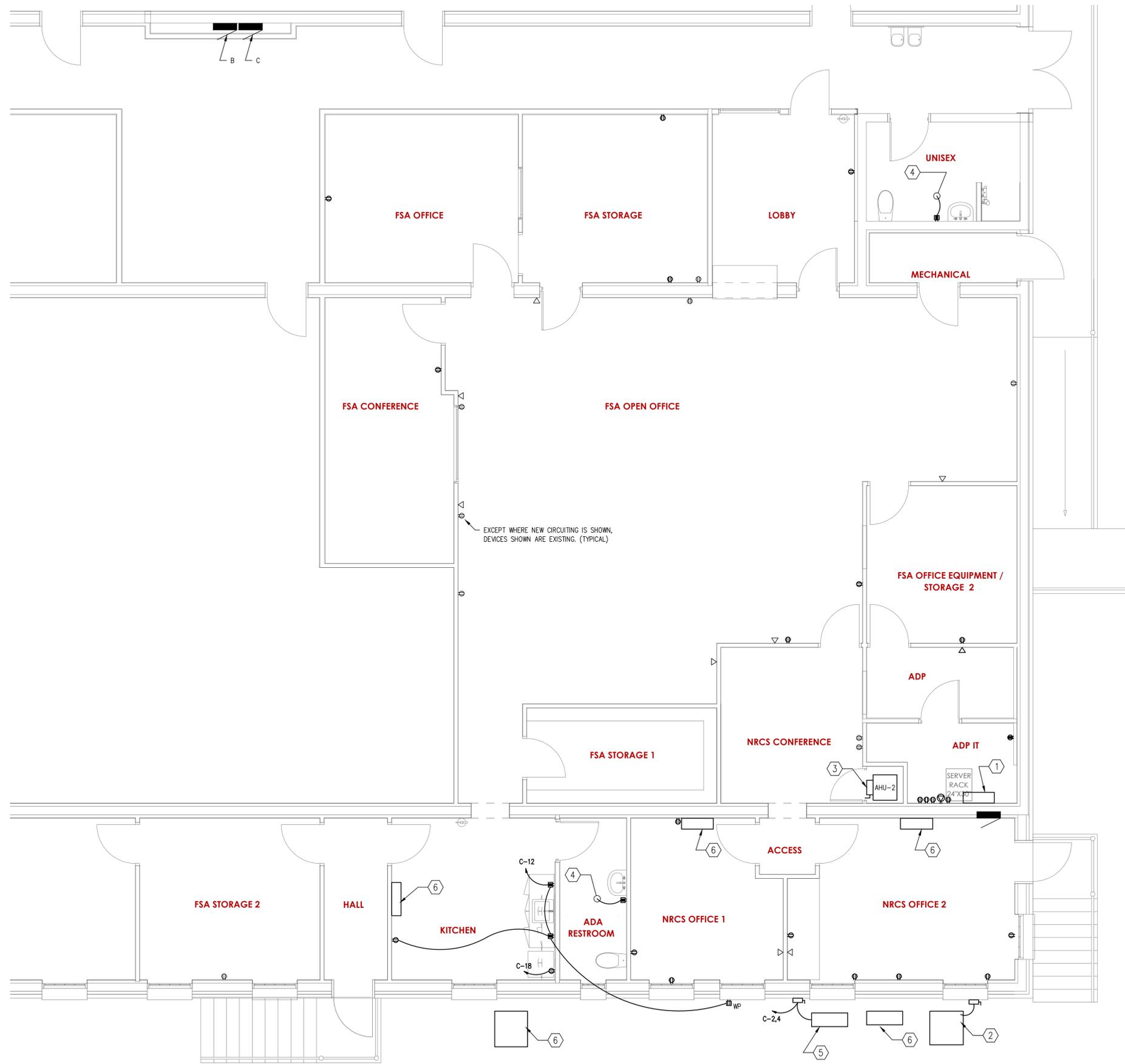
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 ARCHITECTURE
 INTERIOR DESIGN
 PLANNING
 211 JOHN KNOX RD, SUITE 105
 TALLAHASSEE, FL 32303
 (850) 385-9200
 MLDARCHITECTS.COM

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GRADY COUNTY
 Cairo, GA

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POWER & SYSTEMS

SCALE: 1/4" = 1'-0"

WORK NOTES:
(THIS SHEET ONLY)

- 1 NEW INDOOR DUCTLESS SPLIT UNIT. PROVIDE POWER/CONTROL CABLING TO OUTDOOR UNIT, PER MANUFACTURER'S REQUIREMENTS. PROVIDE 20A/2P SNAP SWITCH AT UNIT, FOR DISCONNECT.
- 2 NEW HEAT PUMP. CONNECT TO NEW 60A/2P FUSED NEMA-3R SAFETY SWITCH WITH 1" C-2 #6, #10 GND. RE-CONNECT TO EXISTING FEEDER. PROVIDE FUSES PER EQUIPMENT NAMEPLATE.
- 3 NEW AIR HANDLER UNIT. CONNECT TO NEW 60A/2P FUSED NEMA-1 SAFETY SWITCH WITH 1" C-2 #6, #10 GND. RE-CONNECT TO EXISTING FEEDER. PROVIDE FUSES PER EQUIPMENT NAMEPLATE.
- 4 RE-FEED NEW RECEPTACLES FROM EXISTING RECEPTACLE CIRCUIT SERVING THIS AREA.
- 5 NEW OUTDOOR DUCTLESS SPLIT UNIT. PROVIDE 30A/2P N.F. NEMA-3R SAFETY SWITCH, WITH 3/4" C-2 #12, #12 GND, TO PANEL. PROVIDE POWER/CONTROL CABLING TO INDOOR UNIT, PER MANUFACTURER'S REQUIREMENTS.
- 6 EXISTING HVAC EQUIPMENT, TO REMAIN.

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TALLAHASSEE, FL 32303
(850) 688-6324
GEORGIA ENGINEERING #PR004217
JAMES M. LAMB, P.E.
Tel: (850) 688-6324 - Email: jlam@ard-eng.com

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ARCHITECTURE
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LIGHTING

SCALE: 1/4" = 1'-0" 0 2' 4'

GENERAL LIGHTING NOTES:

1. PROVIDE NEW LIGHTING AS SHOWN.
2. IN EACH ROOM, RE-FEED NEW LIGHTING FROM EXISTING CIRCUIT(S) SERVING THAT ROOM.
3. RE-FEED FROM EXISTING LIGHTING CONTROL(S).
4. EXTEND EXISTING LIGHTING BRANCH CIRCUITS AS REQUIRED.
5. BRANCH CIRCUITS SHALL BE (2) #12, #12 GND, THIN/THWN, MINIMUM.
6. CONNECT NEW EXIT SIGNS TO EXISTING UNSWITCHED ROOM LIGHTING CIRCUIT WITH (2) #12, #12 GND.
7. PROVIDE "BLANK" COVERPLATES FOR ALL UNUSED SWITCHES.
8. NOTE: EXISTING BUILDING HAS GENERATOR BACKUP FOR ALL LIGHTING.

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 TALLAHASSEE, FL 32303
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 JAMES M. LAMB, P.E. #25746
 Tel: (850) 668-6324 - E-mail: jmlamb@ard-eng.com



AA 26003006

ARCHITECTURE
 INTERIOR DESIGN
 PLANNING

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 TALLAHASSEE, FL 32303
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