

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

BUILDING CODE INFORMATION

APPLICABLE CODES:

FLORIDA BUILDING CODE, 7TH EDITION	2020
FLORIDA ACCESSIBILITY CODE, 7TH EDITION	2020
FLORIDA MECHANICAL CODE, 7TH EDITION	2020
FLORIDA PLUMBING CODE, 7TH EDITION	2020
FLORIDA EXISTING BUILDING CODE, 7TH EDITION	2020
FLORIDA FIRE PREVENTION CODE, 7TH EDITION	2020
NFPA 70, NATIONAL ELECTRICAL CODE	2017

OCCUPANCY CLASSIFICATION- EXISTING
FBC - BUILDING, CHAPTER 3
SECTION 304 BUSINESS OCCUPANCY - GROUP B UNSPRINKLERED

CLASSIFICATION OF WORK:
FBC - EXISTING BUILDING, SECTION 504
ALTERATION - LEVEL 2

HEIGHT AND BUILDING AREA: EXISTING BUILDING
N/A

CONSTRUCTION TYPE: EXISTING BUILDING
TYPE V

FIRE RESISTANCE - EXISTING BUILDING
FBC - BUILDING, CHAPTER 7
FIRE BARRIERS

REQ'D ASSEMBLY	OPENING PROTECTION (TABLE 715.3)
FIRE WALL - 705.1 AND TABLE 705.4	N/A
SHAFT / EXIT ENCLOSURES - 707.4 / 1019.1	N/A
LESS THAN 4 STORES	N/A
OCCUPANCY SEPARATION-706.3.B/508	N/A
TENANT SEPARATION - 708.1	NONE

INTERIOR FINISHES:
FBC - BUILDING, CHAPTER 8 BUSINESS - GROUP B (UNSPRINKLERED)
INTERIOR WALL AND CEILING FINISH REQUIREMENTS - TABLE 803.5
VERTICAL EXITS AND EXIT PASSAGEWAYS - CLASS A
EXIT ACCESS CORRIDORS / EXITWAYS - CLASS B
ROOMS AND ENCLOSED SPACES - CLASS C
INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84.
SUSPENDED ACOUSTICAL CEILING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF ASTM C 635 AND ASTM C 636.

MEANS OF EGRESS:
FBC - BUILDING, CHAPTER 10
MAXIMUM FLOOR AREA PER OCCUPANT TABLE 1004.1.2

1 PER 150 SF	927 SF	7 PERSONS
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EGRESS WIDTH PER OCCUPANT - TABLE 1005.3.2
7 x 0.2 = 14'

MIN. CLEAR DOOR OPENING - 1010.1.1	ALLOW.	PROVIDED
MIN. CLEAR STAIR WIDTH - 1011.2	N/A	N/A
COMMON PATH OF TRAVEL - 1006.2.1	75 FT	< 75 FT
EXIT ACCESS TRAVEL DIST. - TABLE 1017.2	200 FT	< 200 FT
MIN. CORRIDOR WIDTH - 1020.2	36"	≥ 36"
DEAD END CORRIDOR - 1020.4	20 FT	NONE
MIN. NUMBER OF EXITS - 1006.3.1	1	2

NUMBER AND SIZE OF EXITS:

MIN. NUMBER OF EXITS	REQUIRED	PROVIDED
SINGLE ENTRANCE/EXIT DOOR	1	34 X 2 = 68'

MINIMUM PLUMBING FIXTURES (FBC CHAPTER 4)
BUSINESS, 7 PERSONS - PER FLOOR (TABLE 403.1)

CATEGORY	WATER CLOSETS*	LAVATORIES*	DRINKING FOUNTAINS**	SERVICE SINK***
	REQUIRED	PROVIDED	REQUIRED	PROVIDED
BUSINESS	1	1	1	0

*403.2: SEPARATE FACILITIES SHALL NOT BE REQUIRED IN BUSINESS OCCUPANCIES IN WHICH THE MAX. OCCUPANT LOAD IS 25 OR FEWER
**410.2: DRINKING FOUNTAINS SHALL NOT BE REQUIRED FOR AN OCCUPANT LOAD OF 15 OR FEWER.
***403.1(c): FOR BUSINESS AND MERCANTILE CLASSIFICATIONS WITH AN OCCUPANT LOAD OF 15 OR FEWER, SERVICE SINKS SHALL NOT BE REQUIRED

ADA STATEMENT

THE EXISTING TOILET ROOM IS BEING RENOVATED TO ENSURE IT IS HANDICAP ACCESSIBLE. DOOR HARDWARE AT TOILET ROOM AND EXTERIOR DOORS ARE TO BE HANDICAP ACCESSIBLE.

City of Tampa
FIRE MARSHAL OFFICE
FIRE MARSHAL PLAN REVIEW

Signed: Thomas Sawyer Date: 5/16/2022

THIS SET OF PLANS MUST BE KEPT ON THE JOB AT ALL TIMES
It is unlawful to make changes or alterations without written approval from the City of Tampa Fire Marshal's Office. The Stamping of this plan shall not be held to permit or approve the violation of any City or State Codes
REVIEWED FOR CODE COMPLIANCE

RENOVATION FOR: BARK SUDS

4644 WEST GANDY BOULEVARD TAMPA, FLORIDA 33611

Building - Don Cassels - Approved with Comments - 5/19/2022
Mechanical - Don Cassels - Approved with Comments - 5/19/2022
Electrical - Steve Guanche - Approved - 5/19/2022
Plumbing - Edwin Elias Narvaez - Approved with Comments - 5/19/2022
Fire - Thomas Sawyer - Approved - 5/19/2022

City of Tampa
CONSTRUCTION SERVICES DIVISION
PLAN APPROVAL

THIS SET OF PLANS MUST BE KEPT ON THE JOB AT ALL TIMES
It is unlawful to make changes or alterations without written approval from the City of Tampa Construction Services Division
The Stamping of this plan shall not be held to permit or approve the violation of any City or State Codes
REVIEWED FOR CODE COMPLIANCE

NELSON
Construction & Renovations Inc.

City of Tampa
CONSTRUCTION SERVICES DIVISION

THIS PROJECT IS IN A FLOOD ZONE AE
non-substantial improvement - any changes will require revised documents

DFE = +12.00 Feet NAVD 88.

GENERAL NOTES	DRAWING INDEX
A. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE CODES INCLUDING FLORIDA FIRE PREVENTION CODE 2020, 7TH EDITION	T1 LIFE SAFETY PLAN + BUILDING CODE INFORMATION A1 FLOOR PLANS + REFLECTED CEILING PLAN
B. THE CONTRACTOR ALONE IS RESPONSIBLE FOR THE SAFETY AND ADEQUACY OF HIS PLAN, APPLIANCES, METHODS, AND FOR DAMAGE WHICH MAY RESULT FROM THEIR IMPROPER REMOVAL, CONSTRUCTION, MAINTENANCE, OR OPERATION. HE SHALL ERECT AND PROPERLY MAINTAIN AT ALL TIMES AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, PROPER SAFEGUARDS FOR THE PROTECTION OF WORKMEN, OWNER, AND OWNERS PROPERTY AND SHALL POST DANGER WARNINGS AGAINST HAZARDS CREATED BY CONSTRUCTION OPERATIONS	M1 MECHANICAL SPECIFICATIONS M2 MECHANICAL CEILING PLANS M3 MECHANICAL SCHEDULES M4 MECHANICAL DETAILS
C. FAILURE OR OMISSION ON THE PART OF THE OWNER OR THE ARCHITECT, EITHER TO DISCOVER OR BRING TO THE ATTENTION OF THE CONTRACTOR ANY DEVIATION FROM, OMISSION FROM, NON-COMPLIANCE SHALL NOT BE SET UP BY THE CONTRACTOR AS DEFENSE FOR FAILURE ON HIS PART TO INSTALL THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS	P1 PLUMBING SPECIFICATIONS P2 PLUMBING PLANS AND RISERS
D. DO NOT SCALE THE DRAWINGS. THE DRAWINGS ARE NOT NECESSARILY TO SCALE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO THE START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, THE ARCHITECT OR DESIGNER SHALL BE NOTIFIED FOR CLARIFICATION BEFORE COMMENCING THE WORK. EXPLICIT DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE	EO.0 SYMBOLS LEGEND, DETAILS, NOTES + ABBREV. EO.1 POWER AND LIGHTING PLAN EO.2 POWER RISER DIAGRAM AND PANEL SCHEDULE
E. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER REPEATED OR NOT. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE DESIGNER BEFORE PROCEEDING WITH THE WORK	
F. THE CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THEREON. PRIOR TO SUBMITTING A BID HE SHALL INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT AND SHALL NOTIFY THE OWNER OF ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE WORK	
G. ALL MANUFACTURED MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS	
H. THERE ARE NO STRUCTURAL CHANGES INCLUDED IN THESE PLANS	

PROJECT TEAM	
ARCHITECT PAVALIS ARCHITECTON 417 SOUTH PINELLAS AVENUE TARPON SPRINGS, FLORIDA 34688 303-956-1146	GENERAL CONTRACTOR NELSON CONSTRUCTION + RENOVATIONS 1174 COURT STREET CLEARWATER, FLORIDA 33756 727-596-9006
MECHANICAL/PLUMBING STEFANEC LEWIS + ASSOCIATES 2257 TWELVE OAKS WAY SUITE 103 WESLEY CHAPEL, FLORIDA 33544 812-991-1248	ELECTRICAL GULF COAST ELECTRICAL DESIGN 2111 SUNNYDALE BLVD. SUITE D CLEARWATER, FLORIDA 33765 727-243-7023

AERIAL MAP	SCOPE OF WORK
	INTERIOR RENOVATION FOR A 927 SF SPACE ON THE GROUND FLOOR OF AN EXISTING BUILDING. NO EXTERIOR WORK IS BEING DONE. SCOPE OF WORK INCLUDES ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL.

LOCATION MAP

Date: 1.24.2022
Checked by: AZP
Drawn: TLR
Job: 22-006
Sheet: T1

PAVALIS ARCHITECTON
417 South Pinellas Avenue, Tarpon Springs, Florida 34688
email: andrew@pavalis.com

PROJECT: Interior Renovation for: Bark Suds
4644 WEST GANDY BOULEVARD
Tampa, Florida 33611

Professional Engineer Seal
Date: 2022-05-16 08:33:04-0400
Andrew Z. Pavalis
State of Florida License: 96003

DEMO - KEYED NOTES

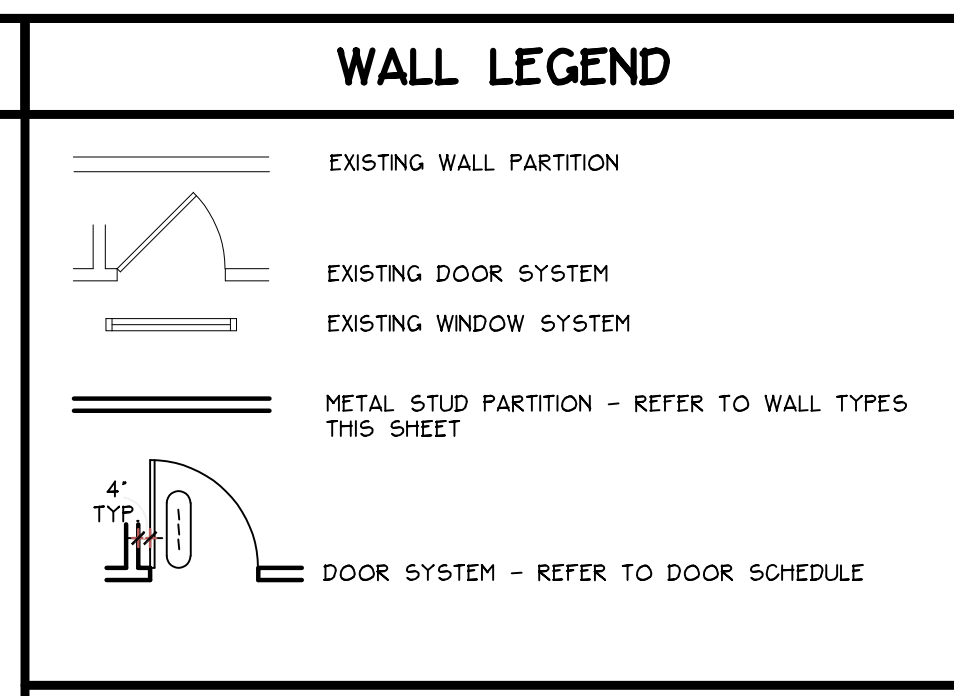
- EXISTING PLUMBING FIXTURE TO BE REMOVED.
- EXISTING WALLS SHOWN DASHED ARE TO BE REMOVED AND TO INCLUDE BUT NOT LIMITED TO WINDOWS, FRAMES, ELECTRICAL WIRING, CONDUITS, ETC.
- EXISTING FLOOR FINISHES TO REMAIN CLEAN FLOOR AND REPLACE/REPAIR ANY DAMAGED FLOOR OR FLOOR BASE
- EXISTING DOOR AND FRAME TO BE REMOVED.
- EXISTING ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS
- EXISTING LIGHTING TO BE REMOVED

GENERAL NOTES

- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFE AND LAWFUL DISPOSAL OF ALL MATERIALS DEMOLISHED. HOWEVER, THE OWNER SHALL BE GIVEN THE OPPORTUNITY TO SALVAGE ANY EQUIPMENT, FIXTURES OR MATERIAL.
- ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED AND REPAIRED AT AREAS WHERE DEMOLITION WORK HAS OCCURRED TO A CONDITION THAT MATCHES THE EXISTING ADJACENT CONSTRUCTION. EXISTING WALLS THAT CONTAIN PLUMBING, ELECTRICAL OR OTHER SERVICES REQUIRING MODIFICATION SHALL BE CUT BACK TO THE NEAREST STUD TO ALLOW REQUIRED WORK. AFTER COMPLETION RECONSTRUCT TO A CONDITION THAT MATCHES NEW CONSTRUCTION FLUSH WITH ADJACENT SURFACES. EXISTING FLOORS WHERE CONSTRUCTION HAS BEEN REMOVED SHALL BE PATCHED AND LEVELED TO MATCH EXISTING.

GENERAL NOTES (CONT.)

- ALL EXISTING FURNISHES SHALL REMAIN UNLESS SCHEDULED FOR NEW. CONTINUE EXIST FINISHES TO REMAIN INTO NEW EXTENDED AREAS THAT ARE ADJACENT. PATCH AND REPAIR EXISTING TO MATCH NEW. PREPARE SUBSTRATES TO RECEIVE NEW FINISHES WHERE SCHEDULED. FINISH ALL PATCHED OR EXTENDED WALLS TO THE NEAREST CHANGE OF DIRECTION, WALL TERMINATION OR INTERSECTION. PREPARATION OF SUBSTRATES TO RECEIVE NEW FINISHES SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:
 - PATCHING ANY/OR LEVELING OF FLOOR SLAB.
 - SKIMCOATING OF GYPSUM WALLBOARD SURFACES.
 - SANDING OF METAL FRAMES, ETC.
- GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT WITH ANY DISCREPANCIES IN WRITING UPON DISCOVERY.
- CONTRACTOR TO MAINTAIN INTEGRITY OF ALL EXISTING STRUCTURAL ELEMENTS DURING CONSTRUCTION AND NOTIFY ARCHITECT WITH ANY ISSUES THAT MIGHT APPEAR DURING DEMOLITION UPON DISCOVERY.
- SAW CUT EXISTING CONCRETE SLAB AS NEEDED FOR THE NEW PLUMBING AND ELECTRICAL WORK. PATCH + REPAIR AS REQUIRED.
- ALL EXISTING PLUMBING FIXTURES SCHEDULED TO REMAIN TO BE CLEANED AS REQUIRED.



DOOR AND HARDWARE SCHEDULE

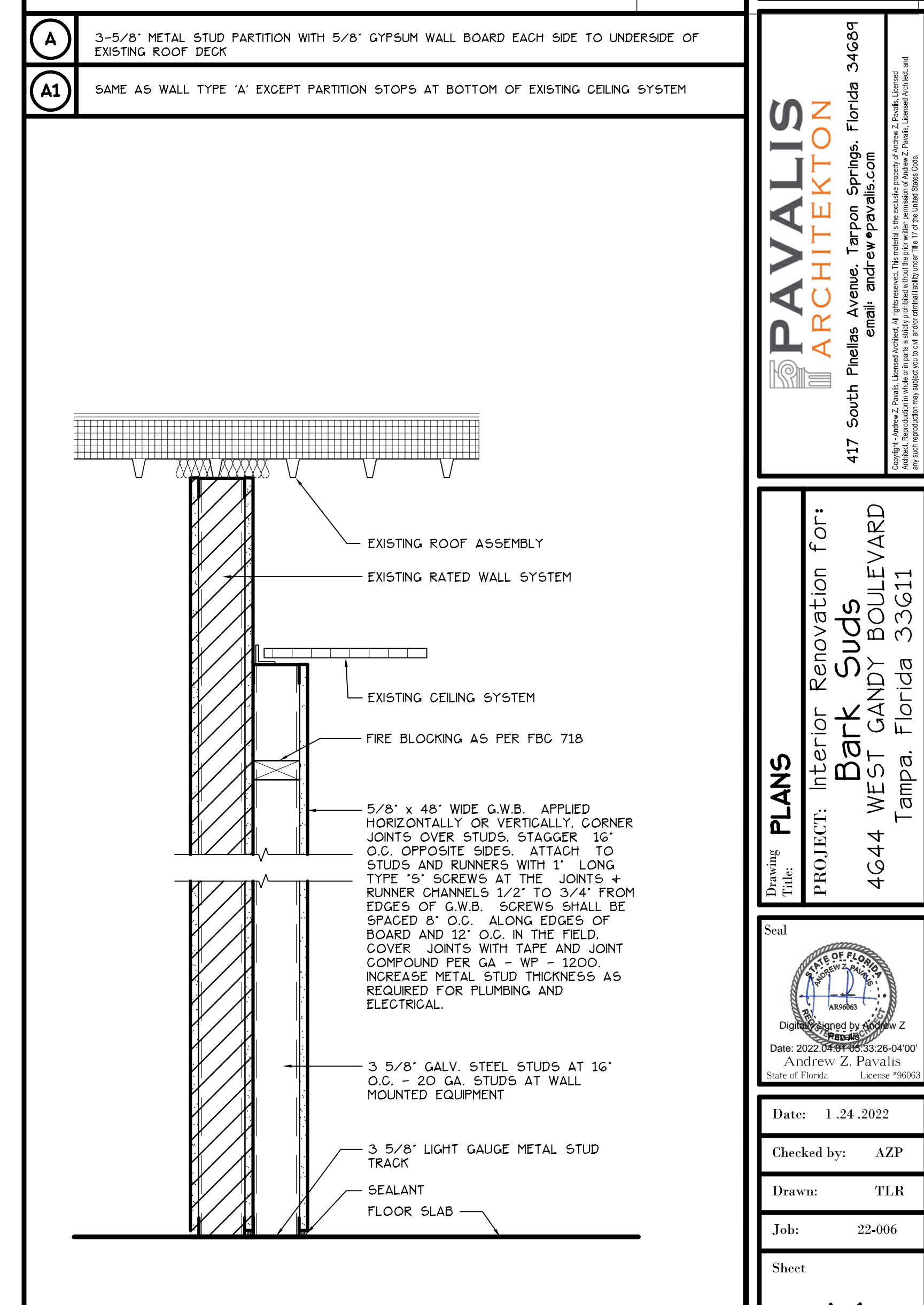
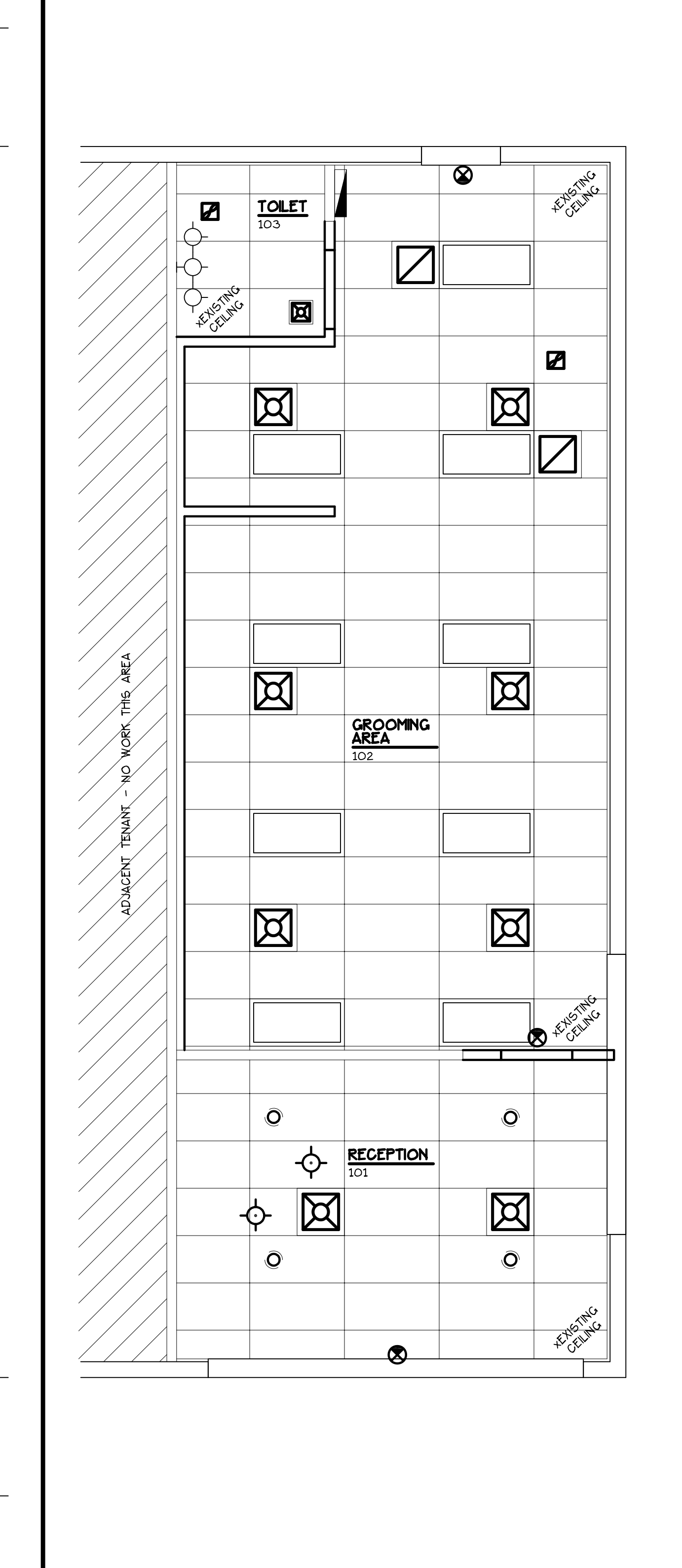
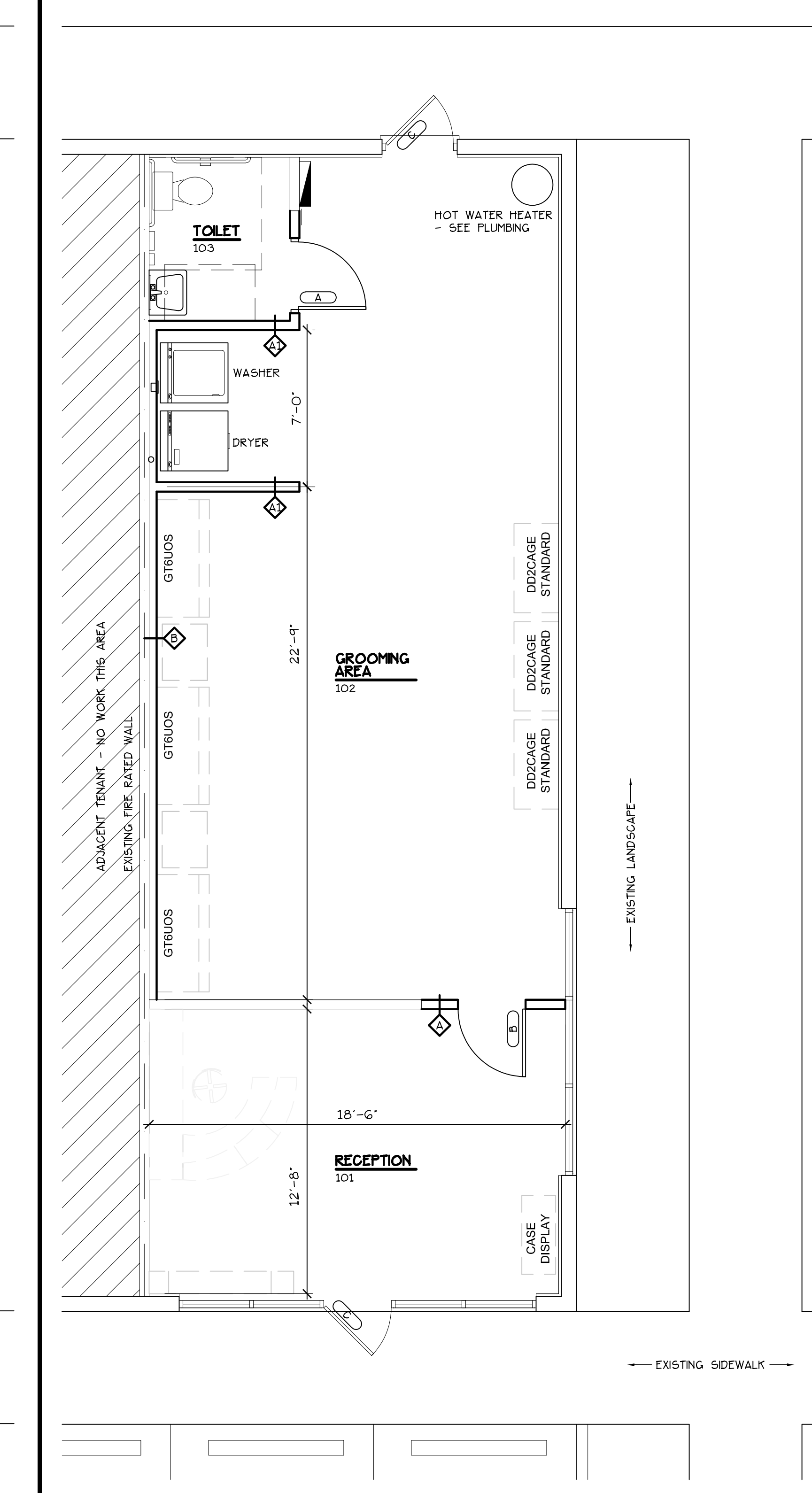
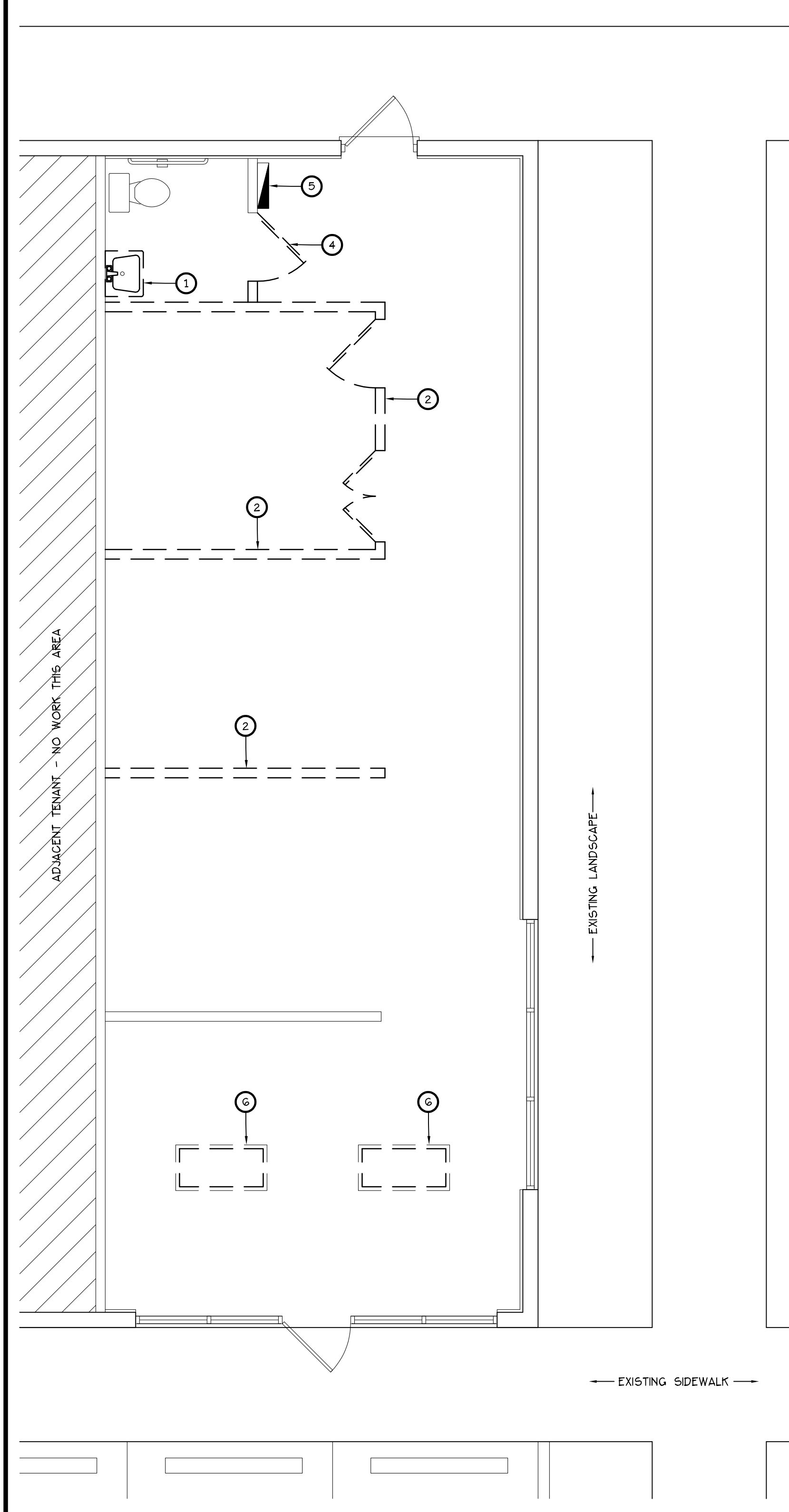
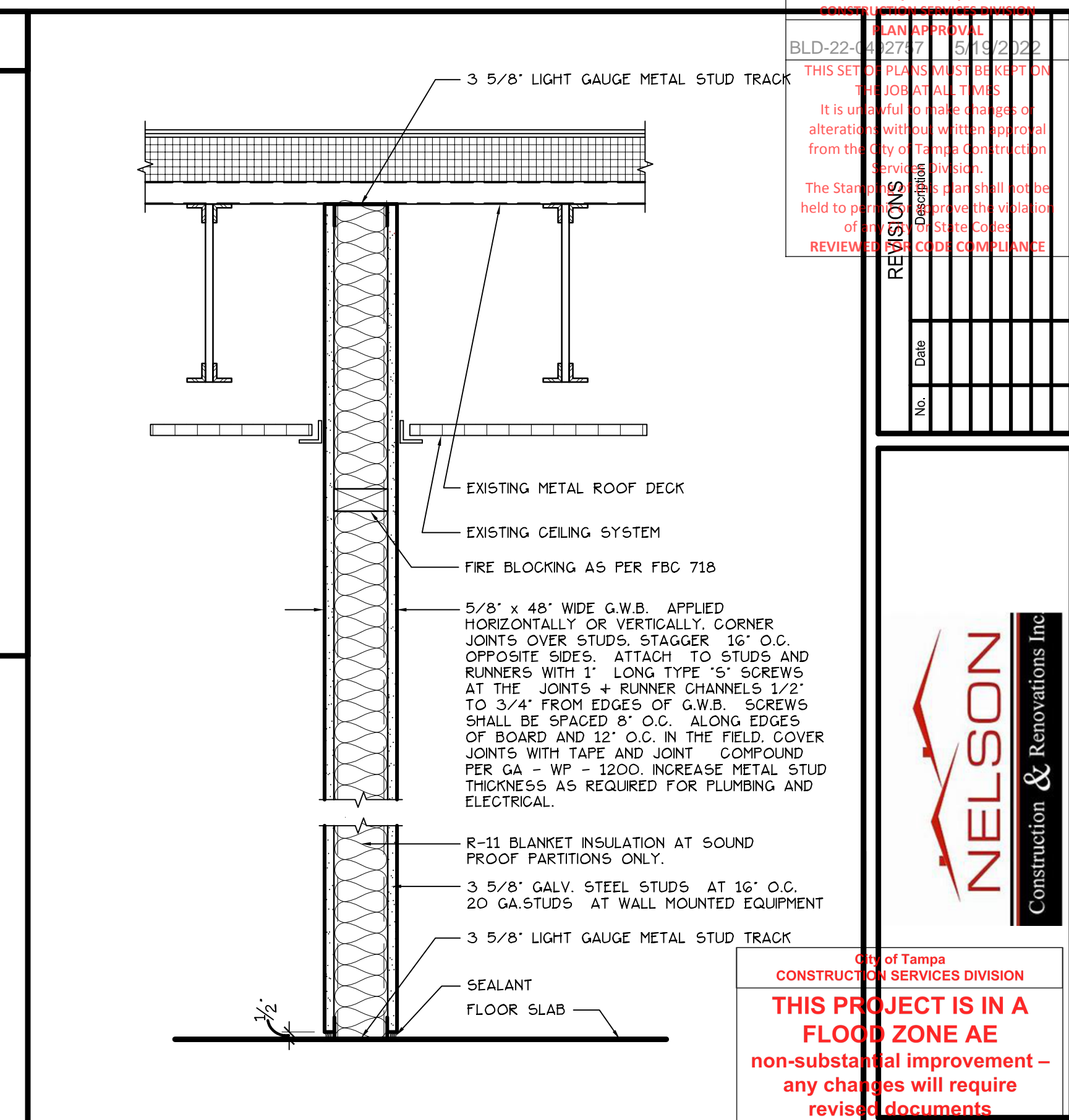
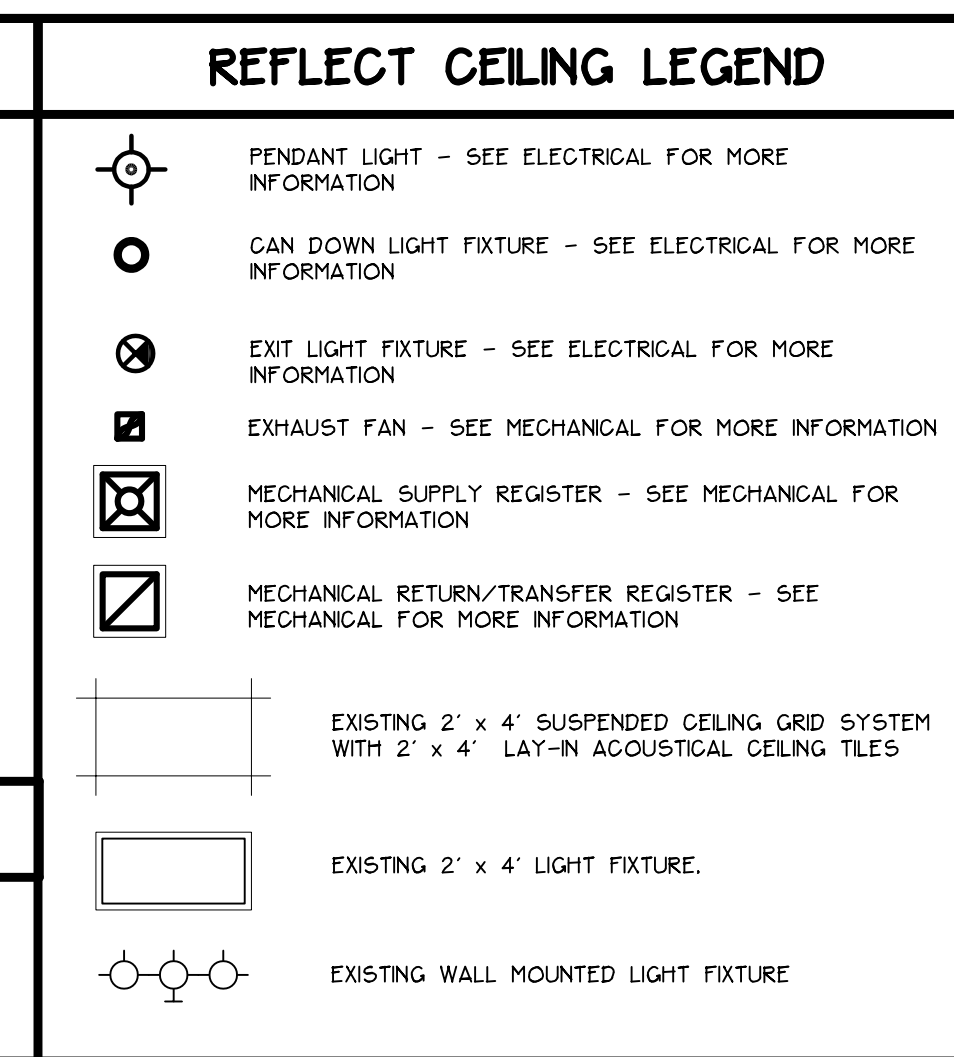
A	3'-0" X 7'-0" X 1 3/4" S.G. WOOD DOOR IN HOLLOW METAL FRAME WITH PRIVACY HARDWARE SET.
B	3'-0" X 7'-0" X 1 3/4" S.G. WOOD DOOR IN HOLLOW METAL FRAME WITH PASSAGE HARDWARE SET.
C	EXISTING DOOR AND FRAME. VERIFY WORKING HARDWARE AND IF HARDWARE IS TO CURRENT CODES.

DOOR NOTES

- ALL DOORS/DOOR OPENINGS SHALL COMPLY WITH FLORIDA FIRE PREVENTION CODE 2020 EDITION / NFPA 101 LIFE SAFETY CODE 7.2.1.2 WIDTH
7.2.1.4 SWING AND FORCE TO OPEN
7.2.1.5 LOCKS AND LATCHES AND ALARM DEVICES
7.2.1.6 SPECIAL LOCKING ARRANGEMENTS
7.2.1.7 PANIC HARDWARE AND FIRE EXIT DEVICES
7.2.1.8 SELF CLOSING DEVICES
- THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN AN EXTERIOR DOOR SHALL NOT EXCEED 8.5LBF (37.5N).
- THE MAXIMUM FORCE FOR PUSHING OR PULLING AN INTERIOR DOOR SHALL BE 5lbf (22.2N).

CEILING NOTES

- ALL CEILING HEIGHTS ARE EXISTING
- G.C. RESPONSIBLE FOR PROVIDING LIGHTING VENDOR COUNTS BY TYPE REQUIRED TO PERFORM ALL WORK ACCORDING TO PLANS.



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

2 PROPOSED FLOOR PLAN
SCALE: 1/4" = 1'-0"

3 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

B SAME AS WALL TYPE 'C' EXCEPT NO BLANKET INSULATION

City of Tampa
BLD-22-042747 5/19/2022

REVISIONS

No.	Date	Description

City of Tampa
CONSTRUCTION SERVICES DIVISION

THIS PROJECT IS IN A FLOOD ZONE AE
non-substantial improvement - any changes will require revised documents

PAVALIS ARCHITECTON
417 South Pinedas Avenue, Tarpon Springs, Florida 34689
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PROJECT: Interior Renovation for Bark Suds
4644 WEST GANDY BOULEVARD
Tampa, Florida 33611

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State of Florida
Professional Seal
Date: 2022-04-27 08:53:26-0400
Andrew Z. Pavalis
State of Florida License #90903

Date: 1.24.2022
Checked by: AZP
Drawn: TLR
Job: 22-006
Sheet: A1

MECHANICAL SPECIFICATIONS

SCOPE: THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING A PROPOSAL. ALL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODES SEVENTH EDITION (2020), WITH ALL AMENDMENTS, AND LOCAL CODES AND ORDINANCES. INSTALLATION SHALL COMPLY WITH THE CODE REFERENCED STANDARDS SET BY NFPA, ASHRAE, ASPE, SMACNA, NEC AND UL. THE SYSTEMS, EQUIPMENT, DEVICES AND ACCESSORIES SHALL BE INSTALLED, FINISHED, TESTED AND ADJUSTED FOR CONTINUOUS AND PROPER OPERATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK FITTING IN PLACE AND SHALL COORDINATE WITH OTHER TRADES TO AVOID INTERFERENCE WITH THEIR WORK. THE INFORMATION GIVEN HEREIN AND ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED, BUT ITS EXTREME ACCURACY IS NOT GUARANTEED. THE DRAWINGS ARE DIAGRAMMATIC, INTENDED TO SHOW GENERAL ARRANGEMENT, CAPACITY AND LOCATION OF VARIOUS COMPONENTS, EQUIPMENTS, AND DEVICES. IF WORK IS REQUIRED IN A MANNER TO MAKE IT IMPOSSIBLE TO PRODUCE FIRST CLASS WORK, OR SHOULD DISCREPANCIES APPEAR AMONG THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS AND THE MANUFACTURER'S RECOMMENDATIONS, THE CONTRACTOR SHALL REQUEST INTERPRETATION BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL FURNISH AND INSTALL ALL MINOR ITEMS WHICH ARE OBVIOUSLY AND REASONABLY NECESSARY TO COMPLETE THE INSTALLATION WHETHER OR NOT SPECIFIED IN THE DOCUMENTS.

REQUIRED COORDINATION: ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS AND PIPING (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

CONSTRUCTION PLANS: IN GENERAL, PLANS AND DIAGRAMS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.

REQUIRED ACCESS: CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT AND DEVICES THAT REQUIRE REPLACEMENT, SERVICING, ADJUSTING OR MAINTENANCE SHALL BE LOCATED TO ALLOW EASY ACCESS AND SPACE FOR REMOVAL OF INTERNAL ASSEMBLIES, IF REQUIRED. CONTRACTOR SHALL PROVIDE ACCESS PANELS WHERE REQUIRED TO ALLOW ACCESS, EVEN IF NOT INDICATED ON THE DRAWINGS AT NO ADDITIONAL COST TO OWNER.

WIND RESISTANCE: ALL EQUIPMENT, APPLIANCE AND SUPPORTS LOCATED EXTERIOR OF THE FACILITY SHALL BE INSTALLED TO RESIST WIND LOADS AS DETAILED IN THE BUILDING CODE.

CUTTING AND PATCHING: ALL OPENINGS AROUND DUCT OR PIPE PENETRATIONS THROUGH SMOKE OR FIRE RATED FLOORS, CEILINGS OR WALLS SHALL BE SEALED AIRTIGHT WITH MATERIALS HAVING A RATING EQUAL TO THE MATERIAL OF THE WALL, CEILING OR FLOOR PENETRATED.

EQUIPMENT TAGS: ALL EQUIPMENT WILL HAVE A PERMANENTLY FIXED ENGRAVED PHENOLIC LABEL CORRESPONDING TO THE EQUIPMENT TAG ON THE ENGINEER'S DRAWINGS.

FIRESTOPPING: UL APPROVED MATERIALS AND METHODS SHALL PROTECT THE PENETRATIONS OF FIRE AND/OR SMOKE RATED WALLS, CEILINGS OR FLOORS. THE RATING OF THE FIRESTOPPING SHALL EQUAL THE RATING OF THE RATED ASSEMBLY. ALL INSULATION SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS AS TESTED BY PROCEDURE ASTM E-84, NFPA-225, UL-723 NOT EXCEEDING:

FLAME SPREAD	25
SMOKE DEVELOPED	50
FUEL DISTRIBUTED	50

ACCESSORIES SUCH AS ADHESIVE, MASTIC, CEMENTS AND TAPES SHALL HAVE THE SAME COMPONENT RATING AS LISTED ABOVE.

START-UP: CONTRACTOR SHALL STARTUP ALL EQUIPMENT AND FOLLOW THE MANUFACTURER'S START-UP PROCEDURES.

OPERATING AND MAINTENANCE DATA: SUBMIT THREE COPIES OF MANUFACTURER'S OPERATING AND MAINTENANCE INSTRUCTIONS AND SPARE PARTS LIST FOR EACH PIECE OF EQUIPMENT.

CONDENSATE DRAIN PIPING: CONDENSATE DRAIN PIPING SHALL BE PVC TYPE DWV. DRAINS SHALL BE PITCHED NOT LESS THAN 1 PERCENT. RUNS SHALL BE AS SHORT AS POSSIBLE WITHOUT ANY DIPS TO TRAP WATER AND INTERFERE WITH PROPER DRAINAGE. PROVIDE TRAPS AND CLEANOUTS AT DRAIN PAN CONNECTIONS. RUN CONDENSATE DRAIN PER PLANS. INSULATE CONDENSATE LINE INSIDE BUILDINGS WITH 1" ARMAFLEX (ASTM E-84).

REFRIGERANT PIPING: SHALL BE ACR TUBING, DRIED AND SEALED, HARD TEMPER COPPER WITH WROUGHT COPPER BRAZED JOINTS. ASTM-B88. COORDINATE AND VERIFY PROPER REFRIGERANT PIPE SIZES AND CHARGES WITH EQUIPMENT MANUFACTURER PRIOR TO ANY INSTALLATION. INSULATE ALL LINES WITH 1" ARMAFLEX. WRAP INSULATION OUTSIDE BUILDING ABOVE GROUND WITH ARMACELL # ARMACHECK 350 SILVER TAPE (UV-RESISTANT).

DIMENSIONAL DATA: ALL DUCTWORK DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.

SUPPLEMENTARY SUPPORTS: CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL REQUIRED TO SUSPEND MECHANICAL EQUIPMENT AND MATERIALS, IN ORDER TO PROVIDE A "VIBRATION-FREE" RIGID INSTALLATION.

DUCTWORK - GENERAL: FABRICATE AND INSTALL ALL DUCTWORK AND DUCT ACCESSORIES IN ACCORDANCE WITH THE LATEST EDITION OF APPLICABLE SMACNA STANDARDS, THE LATEST NFPA STANDARDS, AND THIS SPECIFICATION. THE MOST STRINGENT OF THESE SHALL BE THE MINIMUM STANDARD. MINIMUM OF 1" PRESSURE CLASS RATING FOR ALL DUCTWORK.

ALL RECTANGULAR SUPPLY AND RETURN DUCTWORK TO BE R-6.0 RIGID FIBERGLASS DUCTBOARD (UL-181 AND 181A) WITH CLEANABLE AIRSIDE SURFACE AND EPA-APPROVED BIOCIDIC (ANTI-MICROBIAL AGENT) IMPREGNATED IN MATTED AIR-SIDE SURFACE.

ALL RESTROOM EXHAUST AND FRESH AIR (MAKEUP AIR) DUCTWORK SHALL BE GALVANIZED SHEET METAL STEEL OF LOCKFORMING GRADE CONFORMING TO ASTM A653 AND ASTM A924.

DUCTWORK INSTALLATION: ALL INTERIOR DUCTWORK SHALL BE SEALED TO SMACNA CLASS (B) REQUIREMENTS WITH UL-181 MASTIC. PROVIDE DOUBLE THICKNESS TURNING VANES IN ALL NINETY (90) DEGREE SQUARE ELBOWS. CONTRACTOR SHALL FURNISH AND INSTALL ALL DUCT OFFSETS AS REQUIRED TO CLEAR INTERFERENCES WITH EXISTING BUILDING STRUCTURE, PIPES AND ELECTRICAL CONDUITS. FURNISH AND INSTALL ALL MISCELLANEOUS STEEL SUPPORTS REQUIRED FOR HANGING AND SUPPORTING DUCTWORK UNLESS OTHERWISE NOTED.

VOLUME DAMPERS: DAMPERS SHALL BE PROVIDED IN THE BRANCHES OF THE DUCT SYSTEMS WHERE SHOWN ON DRAWINGS AND AS REQUIRED TO PROPERLY REGULATE THE VOLUME OF AIR DELIVERED TO OR WITHDRAWN FROM THE OUTLETS.

FLEXIBLE DUCTWORK: FLEXIBLE DUCTWORK MAY BE USED FOR THE FINAL RUNOUTS TO AIR OUTLETS, AND SHALL BE SIZED TO MATCH AIR OUTLET NECK. FLEXIBLE DUCTS SHALL NOT EXCEED 8- FEET LENGTHS. NO FLEXIBLE DUCTS SHALL PENETRATE FIRE-RATED WALLS OR CEILINGS. FLEXIBLE DUCTS SHALL COMPLY WITH THE PROVISIONS OF UL-181 CLASS 1 AIR DUCT MATERIAL. DUCTS SHALL BE FACTORY MADE AND COMPOSED OF: AN INNER FIBERGLASS WOVEN LINER, ENCAPSULATED HELIX COIL, A FIBERGLASS INSULATING BLANKET AND OUTER VAPOR BARRIER OF FIBERGLAS REINFORCED METALIZED FILM LAMINATE. PROVIDE THERMAFLEX MK-C FLEXIBLE DUCT OR APPROVED EQUAL (MIN. OF R-6.0). CARE IS TO BE TAKEN THAT ALL RUNOUTS OF FLEXIBLE DUCTS ARE INSTALLED AS STRAIGHT AS PRACTICAL AND FASTENED SO AS TO ELIMINATE AIR LEAKAGE. THE INSTALLATION SHALL CONFORM TO THE TECHNIQUES SHOWN IN THE UL APPROVED AND FACTORY-SUPPLIED INSTRUCTIONS.

INSULATION: ASSURE ALL DUCTWORK IS SEALED PRIOR TO INSTALLING INSULATION. ALL METAL SUPPLY, RETURN, AND FRESH AIR (OUTSIDE AIR) DUCTWORK SHALL BE WRAPPED WITH 2" THICK FIBERGLASS BLANKET INSULATION WITH FSK (ASJ) FACING, MINIMUM INSTALLED R VALUE OF 6.0, AND FLAME SPREAD/SMOKE DEVELOPED RATINGS OF 25/50 BY ASTM E-84. INSTALL INSULATION ON DUCTWORK USING ADHESIVE AND/OR WELD PINS WITH WASHERS. SEAL ALL INSULATION JOINTS, SEAMS AND FASTENER PIN PENETRATIONS WITH VAPOR RETARDING PRESSURE SENSITIVE TAPE OR WITH GLASS FABRIC AND MASTIC.

BRANCH DUCT RUNOUTS: SHALL BE GALVANIZED ROUND (SNAPLOCK) SEAM LOCKED DUCTWORK WITH EXTERNAL FIBERGLASS WRAP INSULATION (R-6.0).
NOTE: BRANCH DUCT RUNOUTS & FLEXIBLE DUCTS SHALL BE THE SAME SIZE DUCT AS THE DIFFUSER NECK CONNECTED TO, AS LISTED ON THE FLOOR PLAN.

GRILLES AND DIFFUSERS: ALL GRILLES AND DIFFUSERS SHALL BE INSTALLED WITH AN INSULATED BOOT OR BLANKET. PROVIDED A METHOD OF VOLUME CONTROL BY DEVICE ADJUSTABLE AT DIFFUSER FACE OR MANUAL VOLUME DAMPERS AT TAKEOFF BRANCHES. COORDINATE DIFFUSER AND GRILLE LOCATIONS WITH ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL REFLECTED CEILING PLAN.

CONTROLS: PROVIDE CONTROLS COMPLETE TO SUIT THE EQUIPMENT PROVIDED AND TO ACCOMPLISH THE SEQUENCE OF OPERATION AS REQUIRED BY PLANS AND SYSTEMS. LOCATE THERMOSTATS 48" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. THERMOSTATIC CONTROLS SHALL BE PROGRAMMABLE TO INCLUDE ALL ITEMS REQUIRED BY FBC-ENERGY CODE SIXTH EDITION AND SHALL HAVE LOCKOUT FUNCTION WITH PASSWORD. MINIMUM FUNCTIONALITY SHALL INCLUDE: 7-DAY A WEEK PROGRAMMABLE CONTROLLER WITH SETBACKS UP TO 85-F AND DOWN TO 55-F, 10-HOUR BATTERY BACKUP, MANUAL OVERRIDE FOR 2-HOURS, AND AUTOMATIC STARTING (OPTIMUM START) ADJUSTABLE DAILY START TIMES.

TESTING AND BALANCING: THE CONTRACTOR SHALL ENSURE THAT ALL DEVICES AND SYSTEMS ARE COMPLETE, TESTED AND BALANCED, AND READY FOR OPERATION WHEN THE FACILITY IS HANDED OVER THE OWNER. THE AIR CONDITIONING SYSTEM SHALL BE TESTED IN ACCORDANCE WITH CURRENT AABC OR NEBB OR NBC PROCEDURES. A CERTIFIED, WRITTEN REPORT SHALL BE SUBMITTED TO MECHANICAL ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL RECTIFY DISCREPANCIES BETWEEN THE ACTUAL INSTALLATION AND CONTRACT DOCUMENTS WHEN IN THE OPINION OF THE T&B AGENCY OR THE ENGINEER, THAT THE DISCREPANCIES WILL AFFECT SYSTEM BALANCE AND PERFORMANCE.

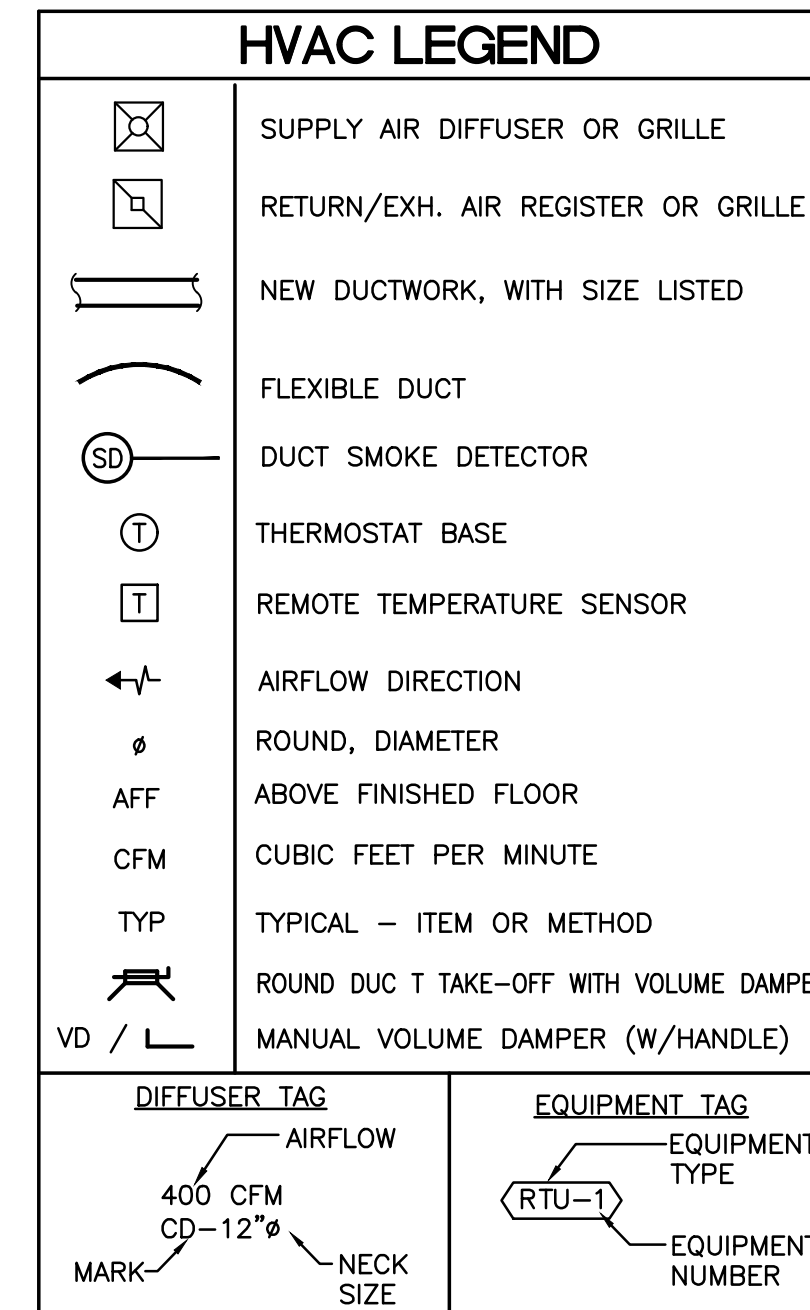
SUBMITTALS REQUIRED:

SUBMIT SHOP DRAWINGS FOR ALL MATERIALS, EQUIPMENT, AND SYSTEMS REQUIRED BY THESE DOCUMENTS (SEE ARCH. PLANS/SPECS FOR SPECIFIC FORMATTING), INCLUDING:

- SPLIT SYSTEM
- TEST/BALANCE REPORT
- EXHAUST FANS
- DIFFUSERS AND GRILLES
- DUCTWORK, INSULATION AND ACCESSORIES (CONNECTIONS, MASTICS, ETC.)
- THERMOSTATS & CONTROLS

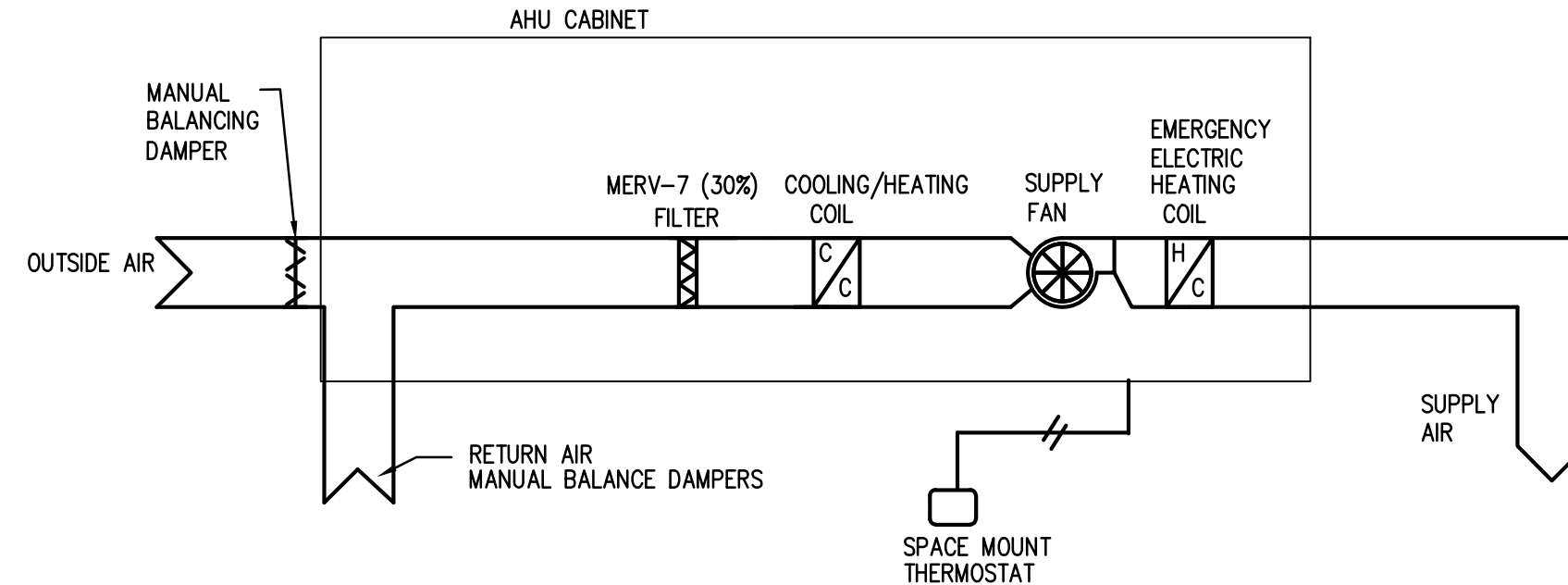
SUBSTITUTIONS: CONTRACTOR SHALL PAY FOR ANY AND ALL ADDED COSTS ASSOCIATED WITH ANY SUBSTITUTION, INCLUDING SUBSTITUTIONS THAT REQUIRE CHANGES TO THE OTHER BUILDING COMPONENTS, SUCH AS ELECTRICAL, STRUCTURAL REINFORCING, CEILINGS, WALLS, ROOFS, ETC. THIS WILL INCLUDE ANY ENGINEERING/ARCHITECTURAL RE-DESIGN COSTS AS A RESULT OF SAID SUBSTITUTION. THESE COSTS SHALL NOT BE BORNE BY THE OWNER, ARCHITECT, NOR ENGINEER, REGARDLESS OF ACCEPTABILITY OF SUBSTITUTION. ENGINEER RESERVES THE RIGHT TO ACCEPT OR DENY ANY SUBSTITUTION THAT HE DOES NOT DEEM TO BE EQUIVALENT, AND CONTRACTOR SHALL PROVIDE SPECIFIED OR EQUIVALENT MATERIALS/EQUIPMENT AT NO ADDITION COST TO OWNER, SHOULD A SUBSTITUTION BE DENIED.

GUARANTEE: THE ONE-YEAR GUARANTEE PERIOD SHALL NOT START UNTIL THE PROJECT IS FULLY COMPLETED AND THE CONTRACTOR HAS RECEIVED THE FINAL PAYMENT AND CERTIFICATION OF OCCUPANCY. ALL EQUIPMENT AND ALL WORK SHALL BE FULLY GUARANTEED, PARTS AND LABOR, FOR ONE YEAR FROM THE DATE OF THE CERTIFICATE OF COMPLETION. REPAIRS MADE DURING THIS PERIOD MUST BE FULLY GUARANTEED FOR AN ADDITIONAL ONE YEAR PERIOD FROM THE DATE OF REPAIRS. IN ADDITION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO THE BUILDING, AND ITS CONTENTS OR OTHER EQUIPMENT, CAUSED BY DEFECTS OR IMPROPER INSTALLATION OF EQUIPMENT OR MATERIAL INSTALLED. A 5-YEAR WARRANTY IS REQUIRED FOR COMPRESSORS.



NOTE TO CONTRACTOR ON EXISTING CONDITIONS:

- CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SURVEY ALL EXISTING CONDITIONS AND EQUIPMENT PRIOR TO SUBMITTING BID FOR WORK REQUIRED BY THESE DOCUMENTS. THIS INCLUDES ABOVE THE CEILING AND ON TOP OF THE ROOF.
- CONTRACTOR SHALL REFER TO AND READ THROUGH ALL OF THE "CONTRACTOR'S SCOPE OF WORK" AS DEFINED IN THE BID SPECIFICATIONS AND DOCUMENTS AS PART OF THE BID PROCESS.
- IF AT ANY TIME, THERE IS DISCREPANCY BETWEEN THE PLANS & SPECS, OR CONFUSION/CONCERN OVER REQUIRED WORK, CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT, ENGINEER, &/OR OWNER AND GET DIRECTION BEFORE PROCEEDING WITH WORK IN QUESTION.
- FOR ALL NEW ROOF PENETRATIONS, CONTRACTOR SHALL INCLUDE IN HIS BID THE COST TO HIRE THE ROOFING FIRM HOLDING THE WARRANTY TO PROVIDE ROOF PENETRATIONS.
- FOR ALL EXISTING EQUIPMENT TO BE RE-LOCATED &/OR RE-USED, CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTION, SAFE STORAGE, & RE-CONNECTION OF SAID EQUIPMENT COMPLETELY.
- FOR ALL EXISTING EQUIPMENT TO BE DEMOLISHED (I.E. DEMO) CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTION, REMOVAL, & DISPOSAL OFF-SITE PER CODE, OF SAID EQUIPMENT COMPLETELY.



RTU-# CONSTANT VOLUME CONTROL SCHEMATIC
NO SCALE

EXHAUST FAN SEQUENCE OF OPERATION:
EXISTING RESTROOM FANS WILL START AND RUN FULL SPEED WHEN RESTROOM IS OCCUPIED AS DETERMINED BY THE INTERLOCKED OCCUPANCY SENSORS. NEW EF-2 GROOMING FAN WILL RUN AS MANUALLY OPERATED BY OCCUPANTS FOR COMFORT USE.

City of Tampa
CONSTRUCTION SERVICES DIVISION
PLAN APPROVAL
BLD-22-049757 5/19/2022
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The Stamp on these plans shall not be held to permit the contractor to ignore the violation of any applicable Code.
REVISIONS
No. Date



City of Tampa
CONSTRUCTION SERVICES DIVISION
THIS PROJECT IS IN A FLOOD ZONE AE
non-substantial improvement - any changes will require revised documents

PAVALIS ARCHITECTON
417 South Pineles Avenue, Tarpon Springs, Florida 34689
email: andrew@pavalis.com

MECHANICAL SPECIFICATIONS
PROJECT: Interior Renovation for:
Bark Suds
4644 WEST GANDY BOULEVARD
Tampa, Florida 33611

Seal
Andrew Z. Pavalis
State of Florida License #90039
Date: 3.30.2022
Checked by: ML
Drawn: KB
Job: 22-006
Sheet
M1

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED & SEALED BY MATTHEW D. LEWIS, P.E., USING A DIGITAL SIGNATURE.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED & SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
Digitally signed by Matthew D. Lewis
DN: cn=Matthew D. Lewis, o=Stepanek-Lewis and Associates, ou=Professional Engineer, email=matthew@stepanek-lewis.com, c=US
Reason: I am the signatory of this document.
Date: 2022-03-30 10:06:47 -0400
MATTHEW D. LEWIS, P.E. FL LIC#56189
STEPANEK-LEWIS AND ASSOCIATES
2257 TWELVE OAKS WAY, SUITE 103
WESLEY CHAPEL, FL 33544
PH (813) 991-1248
REGISTRY # 8397 22-042

City of Tampa
CONSTRUCTION SERVICES DIVISION
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BLD-22-0492757 5/19/2022
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REVISIONS TO BE MADE TO COMPLY

No.	Date



City of Tampa
CONSTRUCTION SERVICES DIVISION
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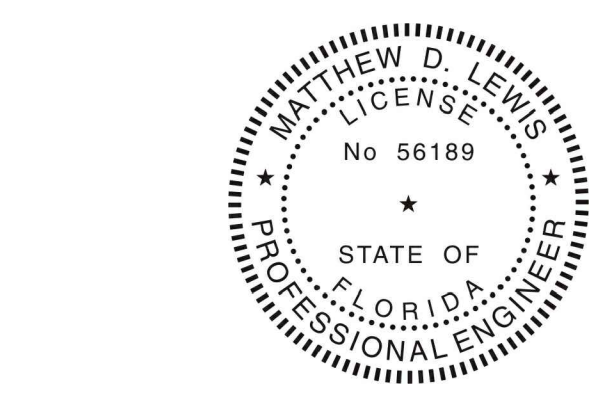
PAVALIS ARCHITECTON
417 South Pinellas Avenue, Tarpon Springs, Florida 34689
email: andrew@pavalis.com

Drawing Title: MECHANICAL CEILING PLANS
PROJECT: Interior Renovation for:
Bark Suds
4644 WEST GANDY BOULEVARD
Tampa, Florida 33611

Seal
Andrew Z. Pavalis
State of Florida License #90053

Date: 3.30.2022
Checked by: ML
Drawn: KB
Job: 22-006
Sheet

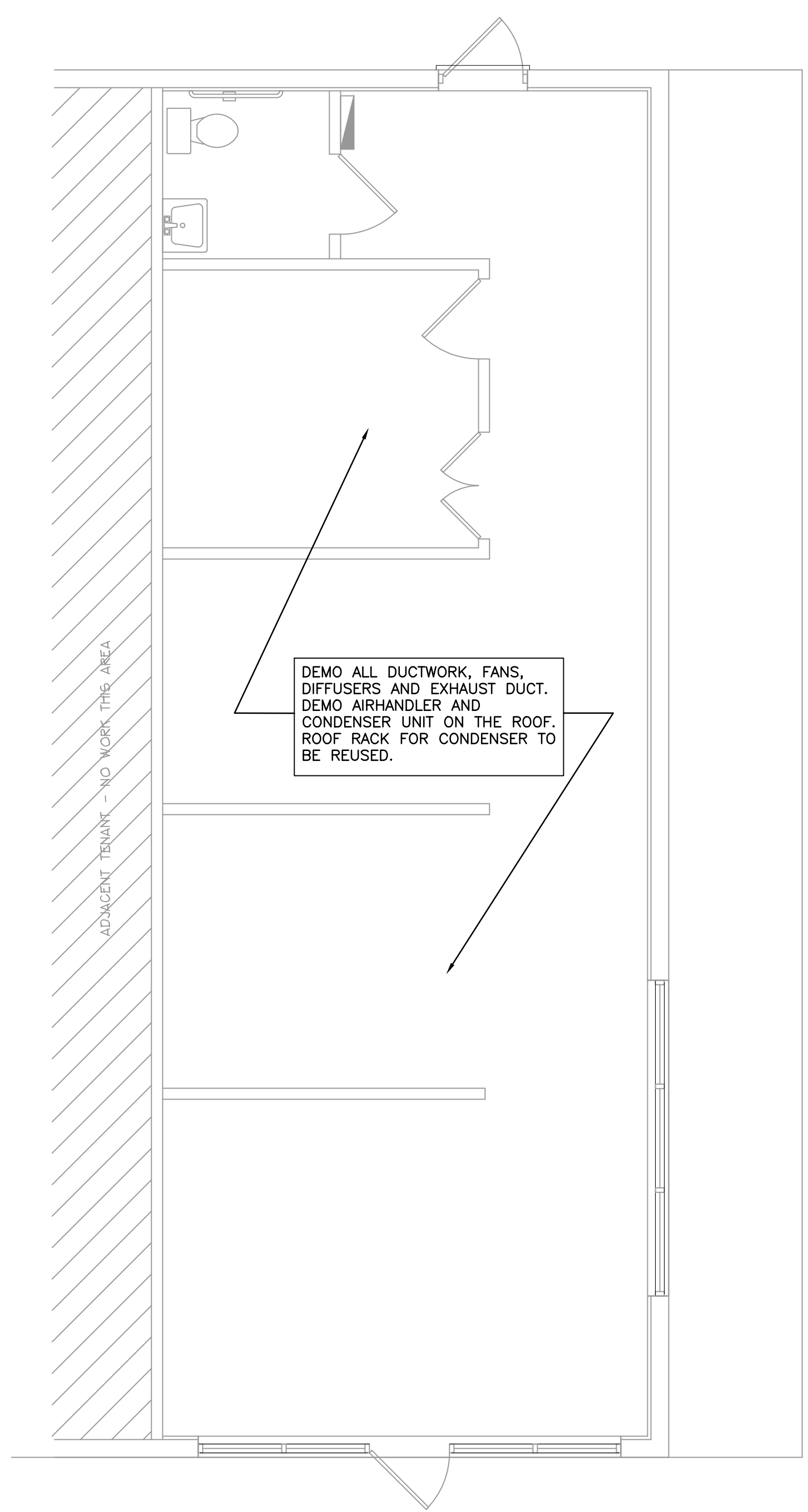
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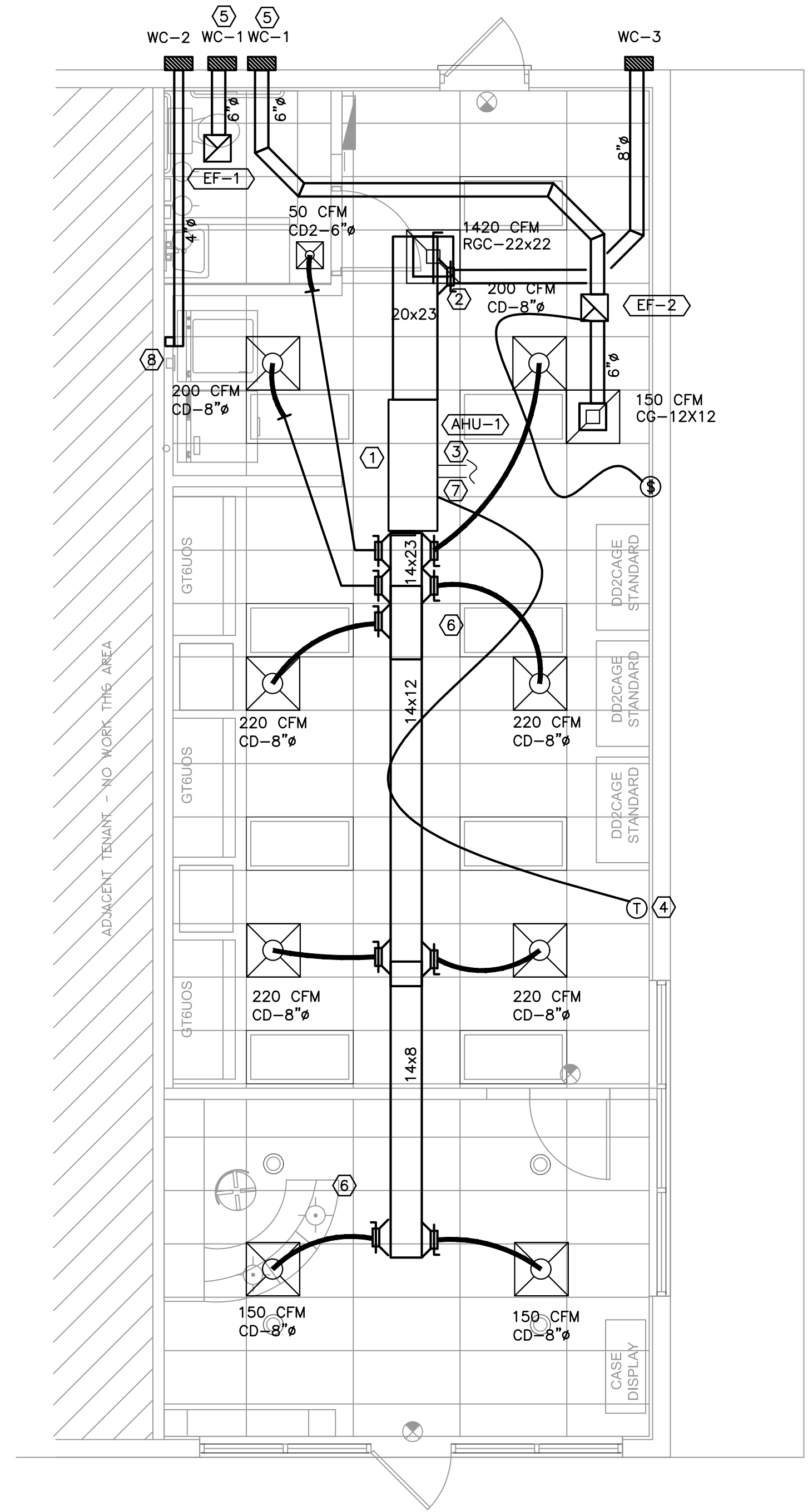
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KEY NOTES ON REMODEL PLAN:

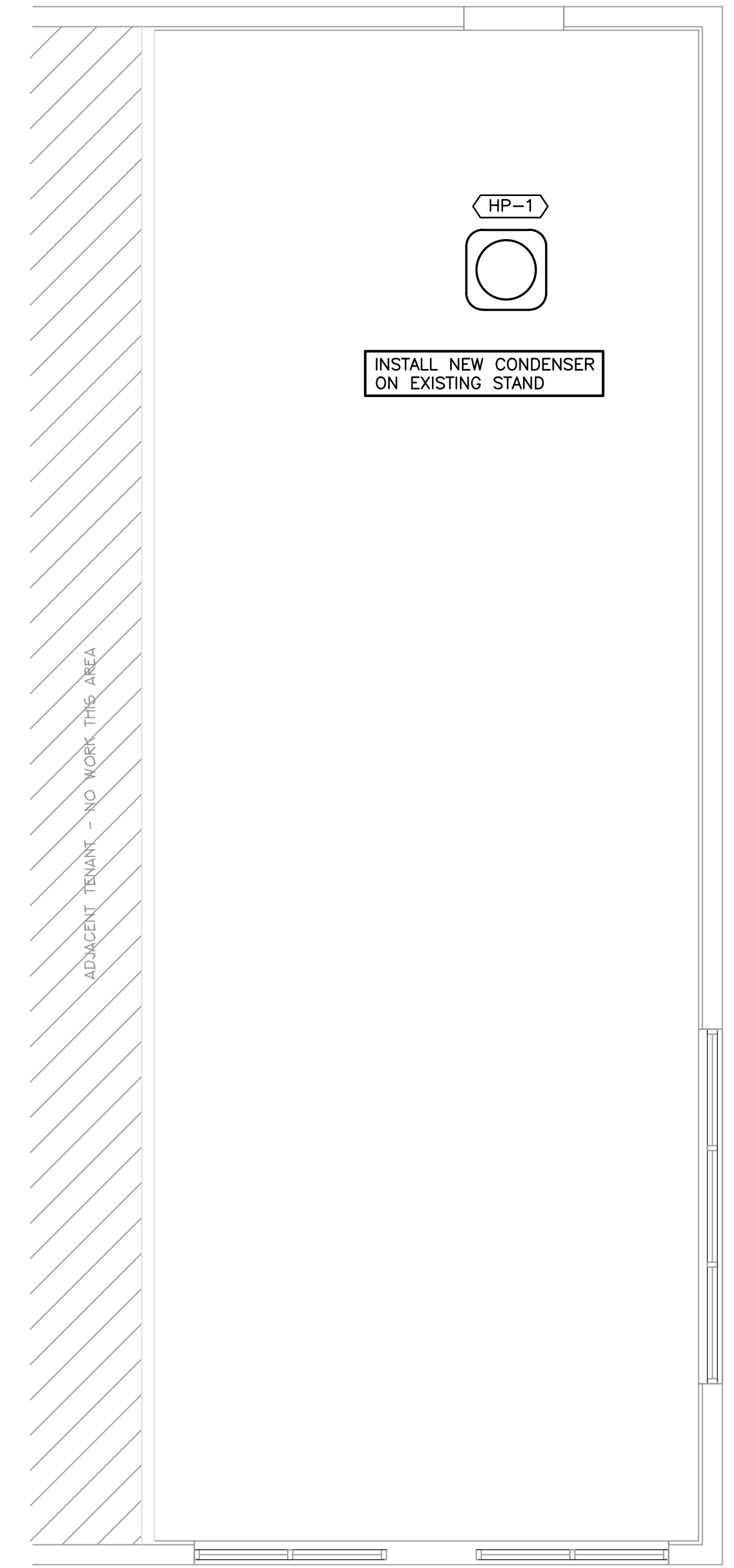
- ① AIR HANDLER A/C UNIT - HANGING BETWEEN JOISTS (SEE DETAIL).
- ② FRESH AIR INTAKE WITH MANUAL "LOW LEAK" VOLUME DAMPER AND BACKDRAFT DAMPER. COORDINATE INSTALL INTAKE LOUVER AT MIN. 10'-FT CLEAR FROM EXHAUST FAN WALL CAPS.
- ③ CONNECT .75"CONDENSATE LINE TO EXISTING CONDENSATE LINE. FLUSH EXISTING LINE THOROUGHLY BEFORE REUSE.
- ④ COORDINATE THERMOSTAT LOCATION WITH FURNITURE LAYOUT AND OWNER'S REP PRIOR TO ROUGH-IN OF BACKBOX AND WIRE.
- ⑤ WALL EXHAUST CAP FOR EXHAUST FAN. LOCATE EXHAUST 3 FEET FROM OPERABLE OPENINGS AND 10 FEET FROM FRESH AIR INTAKES.
- ⑥ VOLUME DAMPER IN EACH BRANCH SUPPLY & RETURN DUCT (TYPICAL THROUGHOUT). LOCATE ABOVE LAY-IN CEILING ONLY. DAMPER TO BE ACCESSIBLE AFTER CONSTRUCTION IS COMPLETED. NO VOLUME DAMPERS ABOVE CLOSED CEILINGS!
- ⑦ ROUTE REFRIGERANT PIPING OVERHEAD THROUGH EXISTING PIPECURB TO EXISTING ROOFSTAND WITH NEW CONDENSER.
- ⑧ 4" DRYER EXHAUST WITH WALL PAN. LOCATE EXHAUST 3 FEET FROM OPERABLE OPENINGS AND 10 FEET FROM FRESH AIR INTAKES. NO SCREEN ALLOWED IN WALL CAP.



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



② MECHANICAL REMODEL CEILING PLAN
SCALE: 1/4" = 1'-0"



③ MECHANICAL REMODEL ROOFPLAN
SCALE: 1/4" = 1'-0"

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REVIEWED FOR CODE COMPLIANCE

HEAT PUMP CONDENSING UNIT SCHEDULE																	
GENERAL	NOMINAL CAPACITY COOLING			COMPRESSOR			CONDENSER FAN		SINGLE PT. POWER								
MARK	TOTAL kBTu/h	SENSIBLE kBTu/h	POWER V/ø	QTY	RLA EA.	LRA EA.	QTY	FLA EA.	MCA (A)	MOCP (A)	MFG.	MODEL #	REFRIGERANT	SEER/EER	AMBIENT	HSPF	NOTES
HP-1	48	40.8	240/1	1	22.8	104	1	1.3	29.8	50	CARRIER	25HCB648-3	R-410A	16	95°F	8.5	①②③④

NOTE: ① PROVIDE REFRIGERANT LINE SETS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS & SIZING GUIDELINES. ⑤ PROVIDE WITH MANUFACTURER'S UPGRADE CONDENSER COIL COATING.
② PROVIDE WITH TXV, LOW AMBIENT KIT, SIGHT GLASS, FILTER DRIER, & 5-MINUTE ANTI-CYCLE TIMER. ⑥ PROVIDE LOCKING CAPS FOR REFRIGERANT FILL POINTS.
③ DISCONNECT TO BE PROVIDED BY ELECTRICIAN.
④ SECURE UNIT TO STRUCTURE (SEE DETAIL).

AIR HANDLER UNIT SCHEDULE																					
GENERAL	FAN MOTOR				COOLING		COOLING CAP		HP HEATING CAP		ELECTRIC HEAT		SINGLE POINT POWER								
MARK	SUPPLY CFM	OUTSIDE AIR CFM	ESP IN. WG.	POWER V/ø	TONS (NOM.)	HP	FLA	ENT AIR		TOTAL kBTu/h	SENS. kBTu/h	TOTAL kBTu/h	kW (@ RATED VOLTS) AMPS		MCA	MOCP	WT LBS	FILTER EFFIC.	MFG.	MODEL	NOTES
								DB	WB												
AHU-1	1,600	180	0.8	240/1	4.0	0.75	6.8	76.6	64.1	49.7	37.3	48.2	4.8	20	33.5	35	227	2"/30%	CARRIER	FV4CNB006	①②③④⑤⑥⑦⑧

NOTE: ① PROVIDE WITH 2-STAGE PROGRAMMABLE THERMOSTAT. ⑤ PROVIDE WITH ELECTRICAL HEATER AND SINGLE POINT POWER CONNECTION TO UNIT (AHU & HEATER).
② PROVIDE SECONDARY DRAIN PAN UNDER UNIT WITH FLOAT SWITCH WIRED TO SHUT DOWN FAN MOTOR. ⑥ PROVIDE CONDENSATE PUMP KIT FOR ALL AHU'S.
③ DISCONNECT TO BE BY ELECTRICIAN. ⑦ SINGLE CIRCUIT, DUAL STAGE COOLING
④ PROVIDE WITH FULLY INSULATED (1" MINIMUM) GALVANIZED STEEL CABINET, WITH PREPAINTED FINISH.

FAN SCHEDULE (ALTERNATE MFG. INCLUDE GREENHECK AND PENBARRY.)											
GENERAL					CONSTRUCTION						
MARK	CFM	SONES	ESP (IN-WG)	ELEC.	MOTOR	DRIVE	TYPE FAN	MANUF.	MODEL	WEIGHT (lbs)	NOTES
EF-1	70	2.0	0.375	120/1-PH	41 WATTS	DIRECT	CEILING	COOK	GC-148	15	① ③ ④
EF-2	150	3.8	0.375	120/1/60	120 WATTS	DIRECT	INLINE	COOK	GN-160	15	① ② ③

NOTE: ① PROVIDE FAN WITH BACKDRAFT DAMPER, GEMINI ISOLATOR KIT AND SPEED CONTROLLER. INSTALL SPEED CONTROLLER ABOVE CEILING.
② DISCONNECT BY ELECTRICIAN. INTERLOCK WITH WALL SWITCH BY ELECTRICIAN.
③ PROVIDE WITH WALL EXHAUST CAP (SEE DETAIL).
④ DISCONNECT BY ELECTRICIAN. INTERLOCK WITH LIGHTS IN ROOM BY ELECTRICIAN.

VENTILATION AIR SCHEDULE									
SPACE	FUNCTION AREA (SQFT)	REQUIRED ① OUTSIDE AIR OR EXHAUST	REQUIRED ① NUMBER PEOPLE (Pz)	ZONE ① AIR DISTRIB. EFFECTIVE.	SYSTEM ① VENT.(Ev) EFFICIENCY	REQUIRED ① OUTSIDE (Voz) AIR (CFM)	REQUIRED ① EXHAUST AIR (CFM)	PROVIDED EXHAUST AIR (CFM)	
LOBBY	270	$5 \frac{CFM}{PERSON} + 0.06 \frac{CFM}{SQFT}$	$1.7 (\frac{10-PERSONS}{1,000-SQFT})$	1.0	1.0	30	--	--	
GROOMING	400	$7.5 \frac{CFM}{PERSON} + 0.18 \frac{CFM}{SQFT}$	$5.7 (\frac{10-PERSONS}{1,000-SQFT})$	1.0	1.0	102	--	--	
RESTROOMS	0	$70 \frac{CFM}{TOILET}$	1-TOILETS	--	--	--	70	70	
HALLWAYS	180	$0.06 \frac{CFM}{SQFT}$	--	1.0	1.0	11	--	--	
SYSTEM POPULATION, Ps:	7	TOTAL ZONE POPULATION, Σ Pz	7.4	REQU. OUTSIDE AIR INTAKE, (Vot) (=Vou / MIN Ev) (CFM)				143	
OUTSIDE AIR INTAKE UNCORRECTED, (Vou) (=DxΣRpPz+ΣRaAz)				143	PROVIDED OUTSIDE AIR INTAKE (CFM)			180	
OCCUPANT DIVERSITY, D (=Ps/Σ Pz)		0.95		TOTAL PRESSURE = PROVIDED INT.- PROVIDED EXH. (CFM)				110	

NOTE: ① REQUIREMENTS IN ACCORDANCE WITH SECTION TABLE 403.3.1.1, IN THE 2020 FLORIDA BUILDING CODE - MECHANICAL.

AIR DEVICE SCHEDULE (ALTERNATE MFG. INCLUDE METALAIR AND PRICE.)									
GENERAL				CONSTRUCTION					
MARK	TYPE	FUNCTION	FRAME SIZE	PATTERN	MATERIAL	FINISH	MFG.	MODEL	NOTES
CD	CEILING DIFFUSER	SUPPLY	24x24	LOUVERED FACE	ALUMINUM	WHITE	PRICE	AMD	①
CD2	CEILING DIFFUSER	SUPPLY	12X12	LOUVERED FACE	ALUMINUM	WHITE	PRICE	AMD	①
RGC	RETURN GRILLE	RETURN	SEE PLANS	BLADES	ALUMINUM	WHITE	PRICE	630DAL	①
WC-1	WALL CAP	EXHAUST	9X9	HOOD	ALUMINIUM	MILL	BROAN	641	②
WC-2	WALL CAP	EXHAUST	6.5X6.5	HOOD	RESIN	WHITE	BROAN	WC650	④
WC-3	WALL CAP	INTAKE	12.5X13	HOOD	ALUMINIUM	MILL	BROAN	643FA	③

NOTE: ① PROVIDE WITH OPPOSED BLADE DAMPER.
② PROVIDE WITH BACKDRAFT DAMPER AND BIRDSCREEN.
③ PROVIDE WITH BACKDRAFT DAMPER AND INSECT SCREEN.
④ 4" DIAM. DUCT CONNECTION FOR DRYER. UV RESISTANT. NO SCREEN.

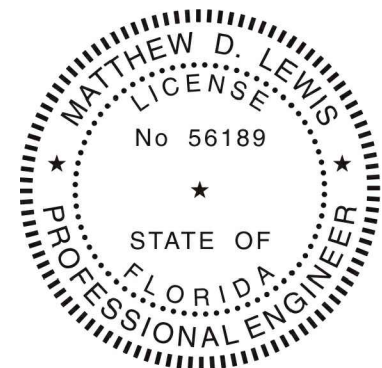
City of Tampa
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email: andrew@pavalis.com

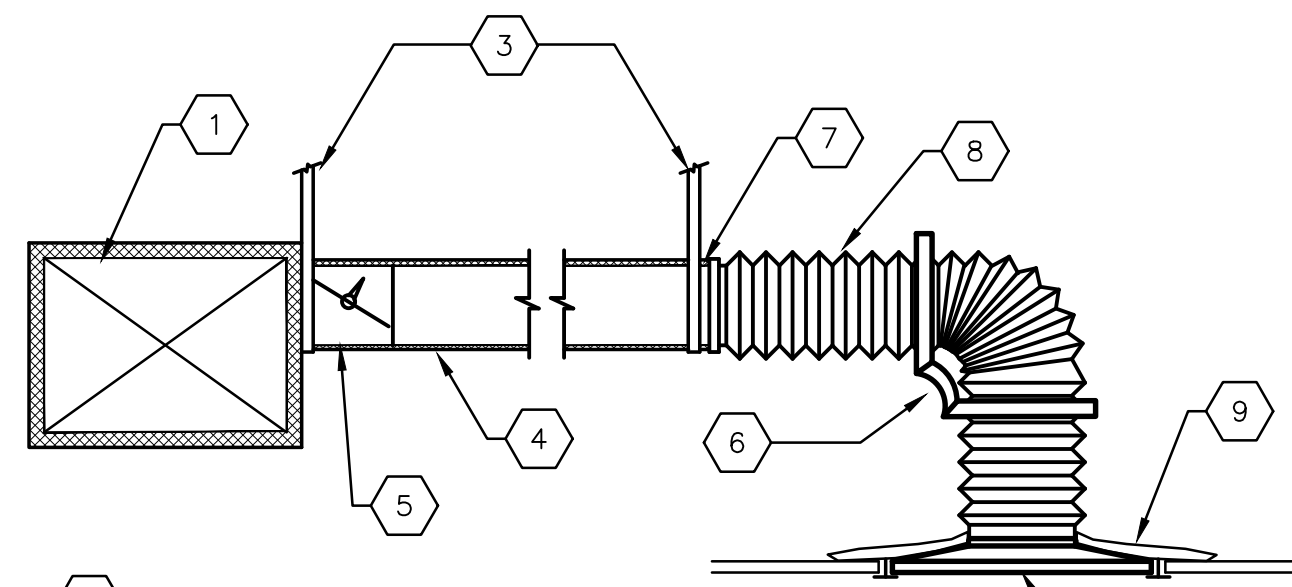
Drawing Title: MECHANICAL CEILING PLANS
PROJECT: Interior Renovation for:
Bark Suds
4644 WEST GANDY BOULEVARD
Tampa, Florida 33611

Seal
Andrew Z. Pavalis
State of Florida License #90053

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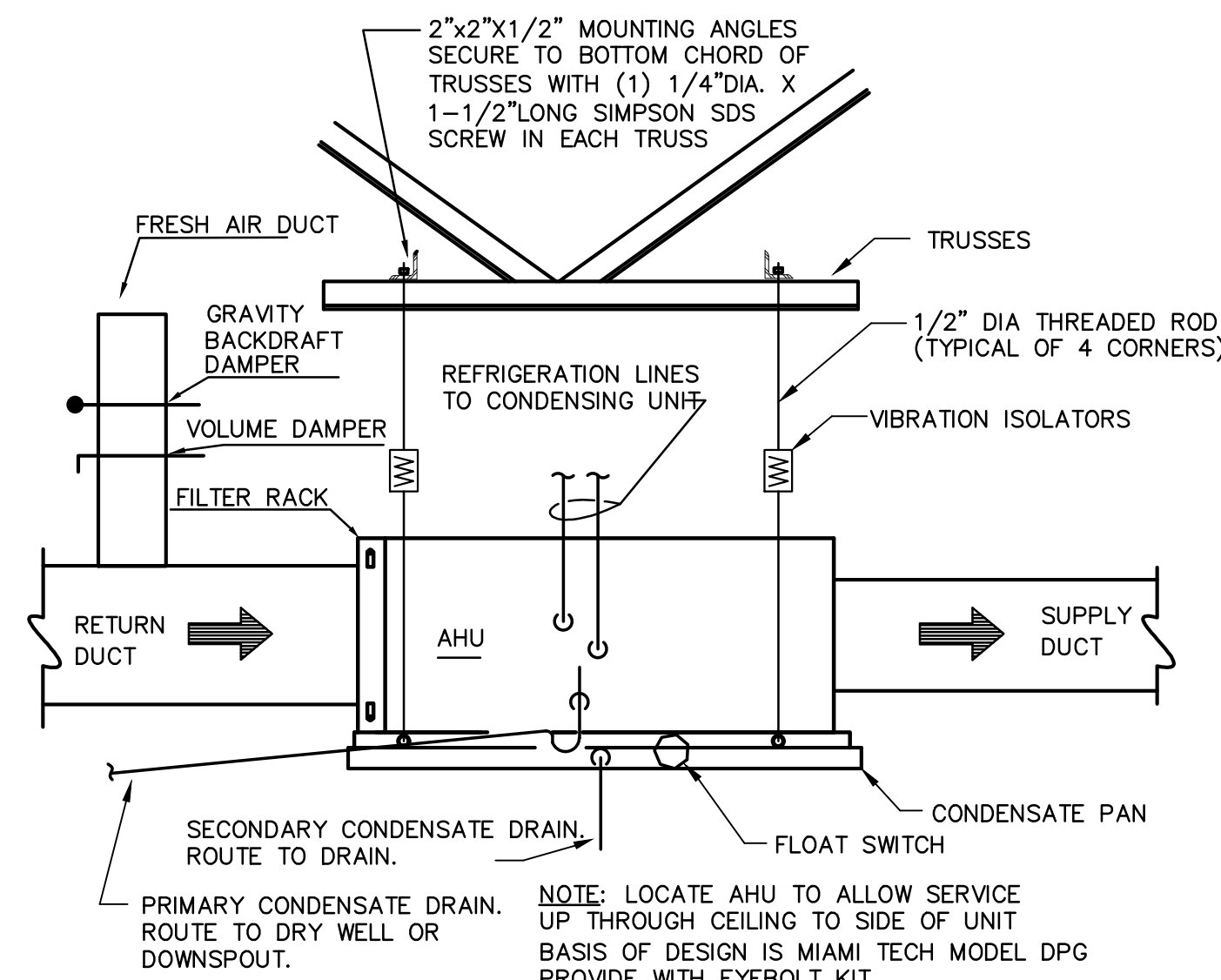


STEPANEK-LEWIS AND ASSOCIATES
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WESLEY CHAPEL, FL 33544
PH (813) 991-1248
REGISTRY # 8397 22-042
MATTHEW D. LEWIS, P.E. FL LIC#56189

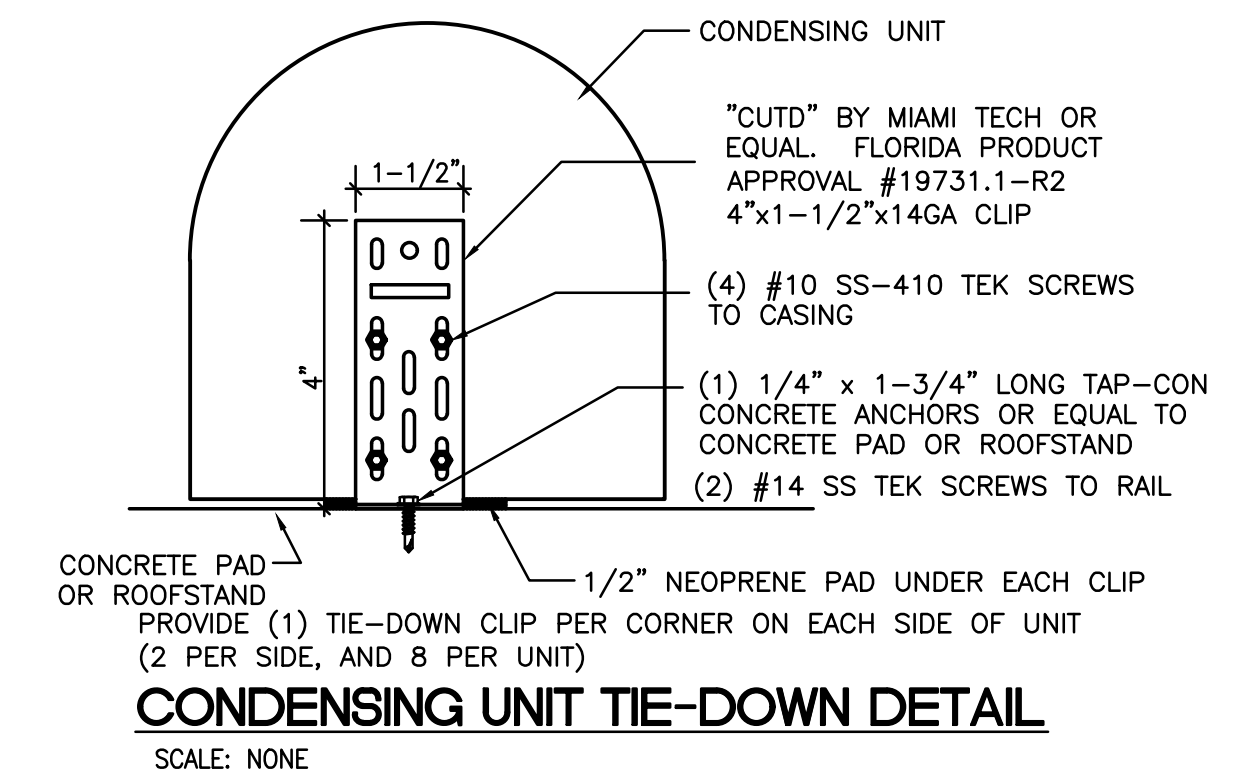


- 1 SUPPLY DUCT
- 2 CEILING DIFFUSER (COORDINATE TYPE WITH PLANS)
- 3 1-1/2" HANGER STRAPS; MAX. 10' SPACING
- 4 ROUND SNAPLOCK DUCT WITH WRAP INSULATION
- 5 TAKE-OFF OR SPIN-IN FITTING W/ VOLUME DAMPER. (DON'T USE VOLUME DAMPER ABOVE GYP CEILINGS)
- 6 PROVIDE PLASTIC ELBOW STRAIGHTENER TO ELIMINATE KINKS AT ELBOWS FLEXIBLE DUCT - PROVIDE FLEXFLOW, OR EQUAL.
- 7 METAL COLLAR WITH BAND CLAMP, SCREWED (3) PLACES AND TAPED TYPICAL BOTH ENDS OF FLEX DUCT.
- 8 INSULATED FLEXIBLE DUCT, MAXIMUM 6' LENGTH. INSTALL FLEX-DUCT AS STRAIGHT AS POSSIBLE. NO BEND OVER 90°, NO CRUSHING OF FLEX-DUCT.
- 9 2" WRAP INSULATION OVER BACK OF DIFFUSER

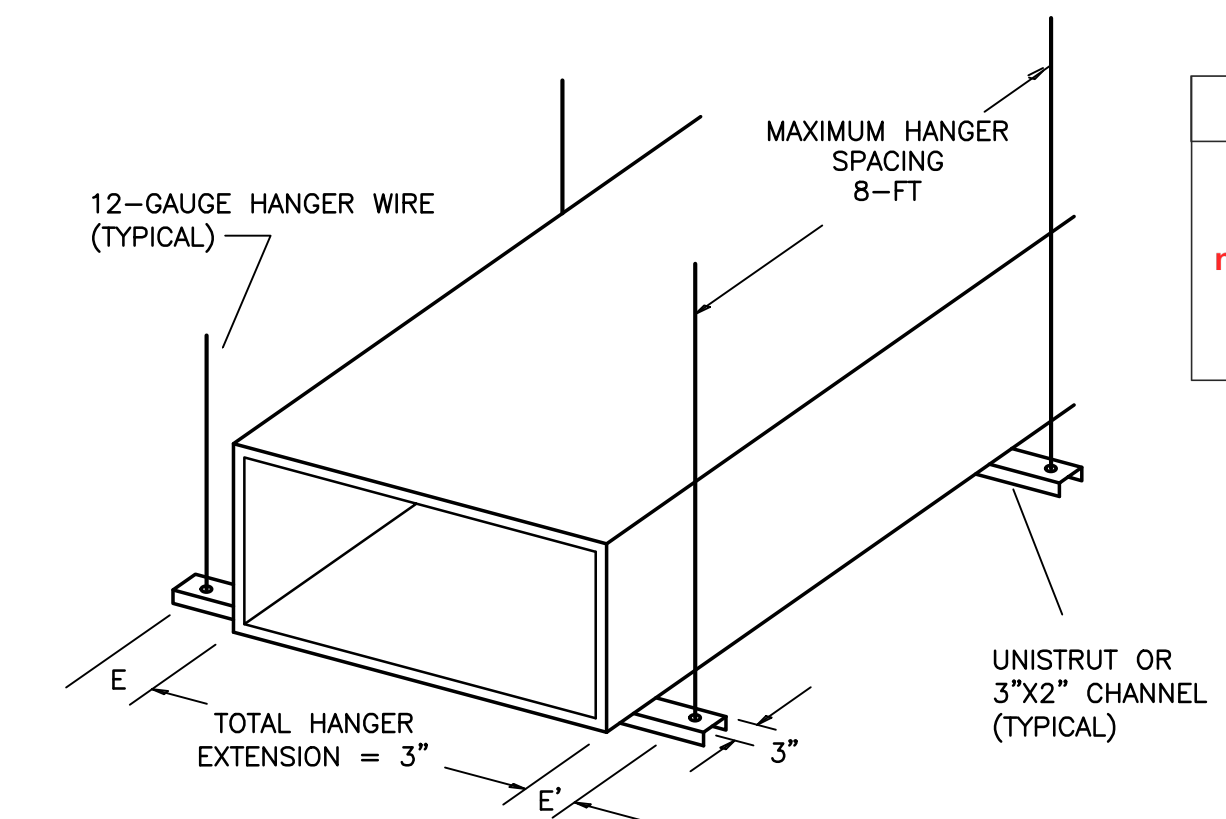
SUPPLY DUCT AND DIFFUSER RUN-OUT DETAIL
SCALE: NONE



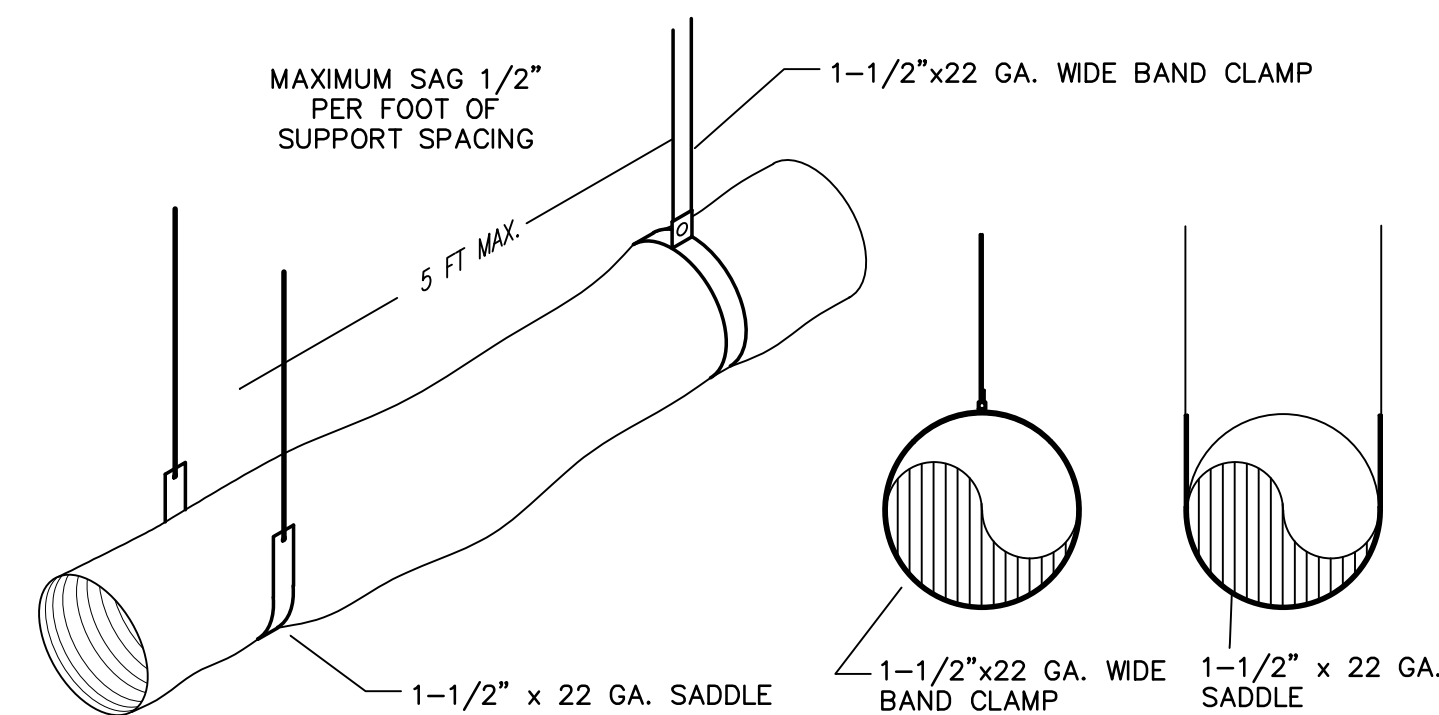
AIR HANDLING UNIT MOUNTING DETAIL
SCALE: NONE



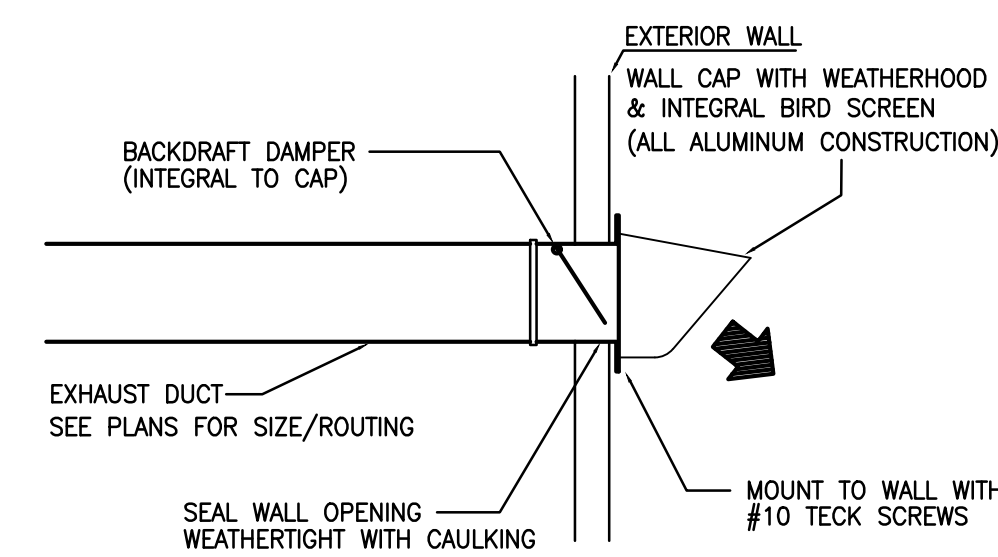
CONDENSING UNIT TIE-DOWN DETAIL
SCALE: NONE



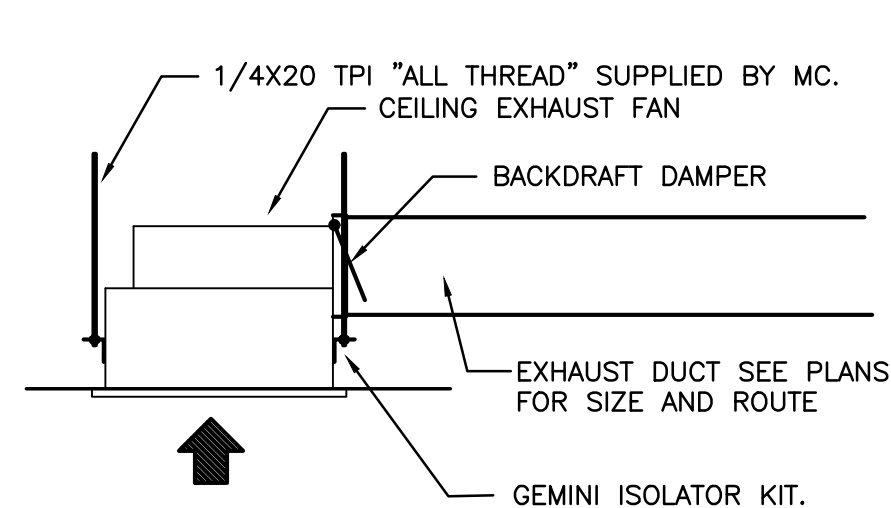
HANGER AND SUPPORT FOR RECTANGULAR DUCTS
NO SCALE



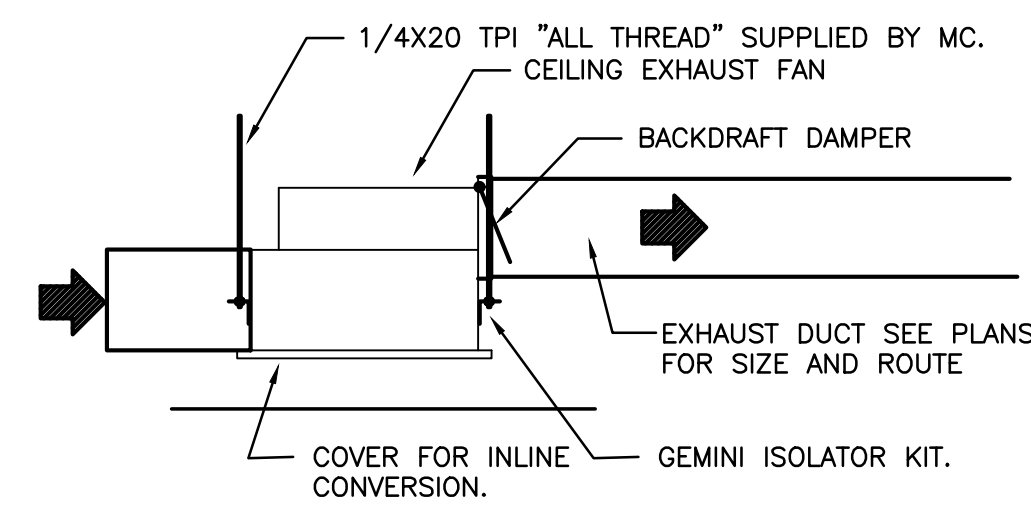
HANGER AND SUPPORT FOR ROUND AND FLEXIBLE DUCTS
NO SCALE



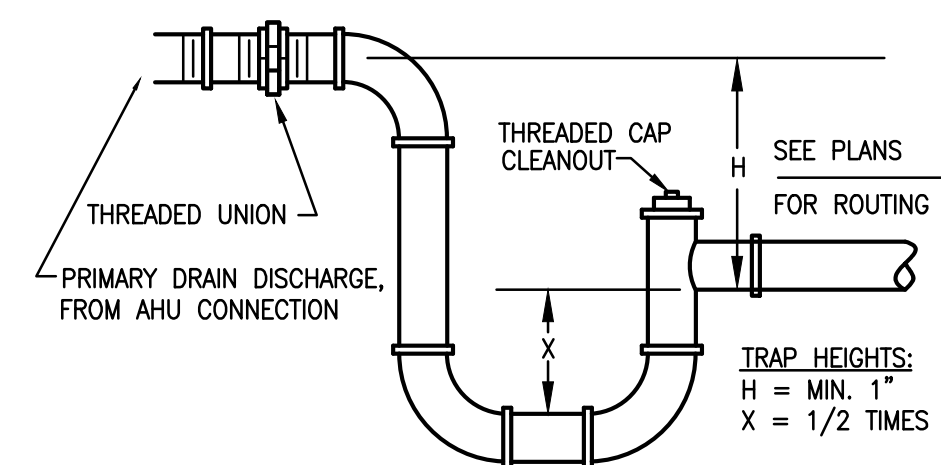
WALL CAP FOR EXHAUST DETAIL
SCALE: NONE



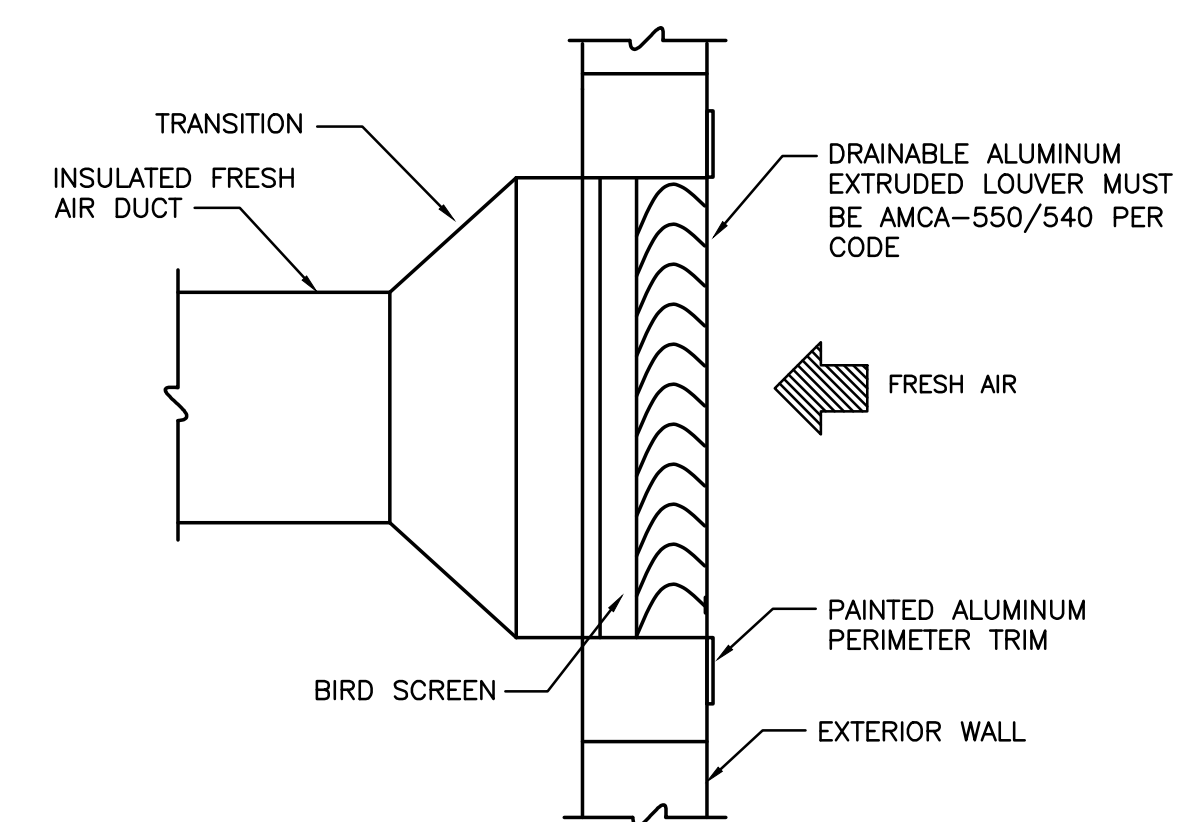
CEILING FAN DETAIL
SCALE: NONE



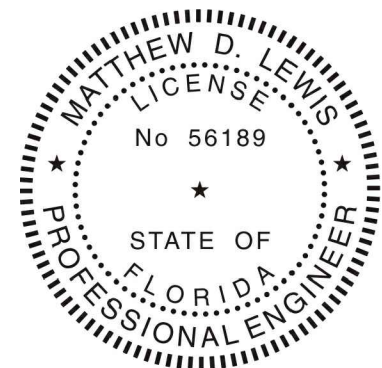
INLINE FAN DETAIL
SCALE: NONE



CONDENSATE DRAIN P-TRAP DETAIL
SCALE: NONE (FOR DRAW-THRU UNIT)



INTAKE LOUVER DETAIL
SCALE: NONE



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NELSON
Construction & Renovations Inc

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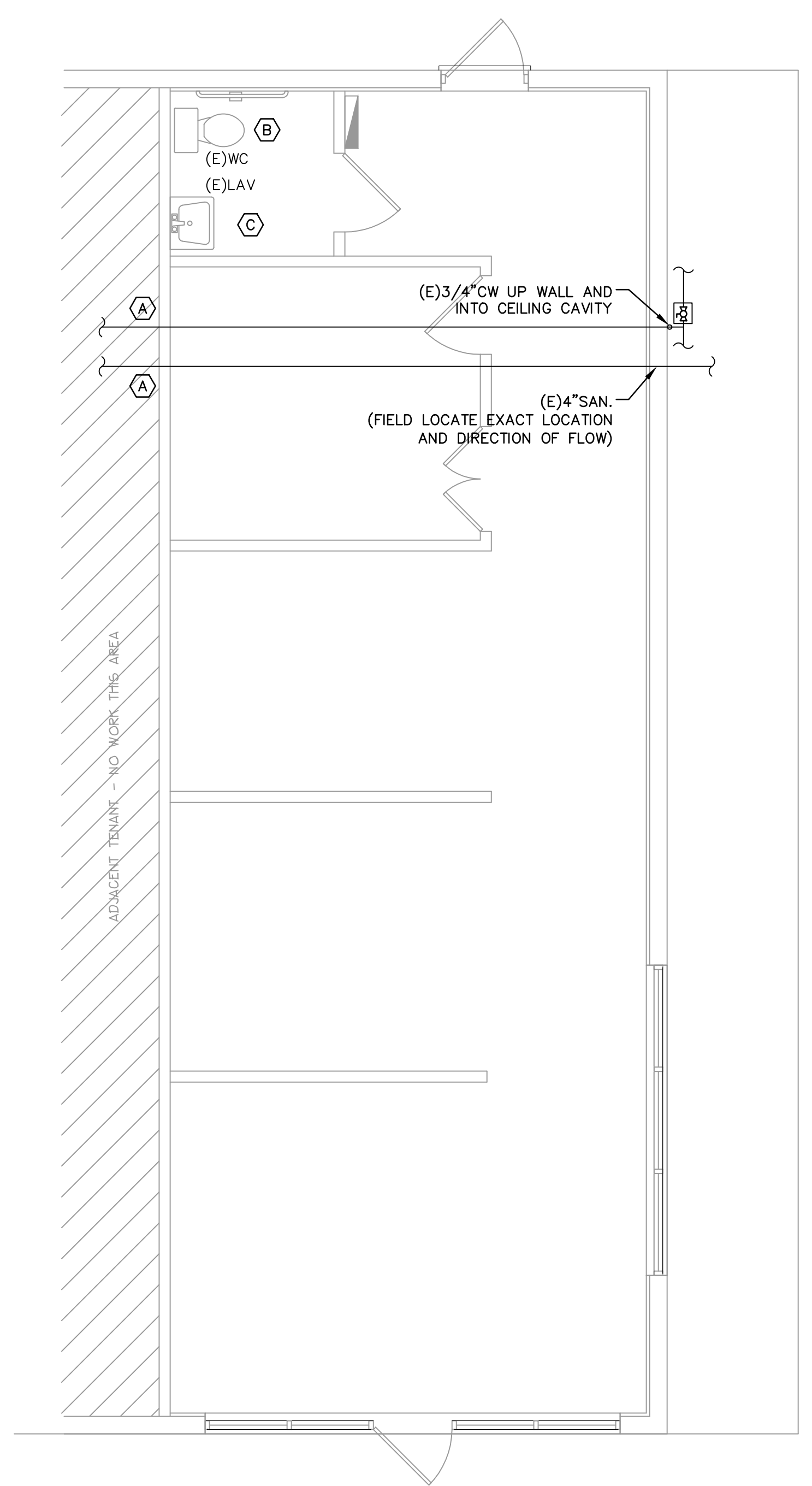
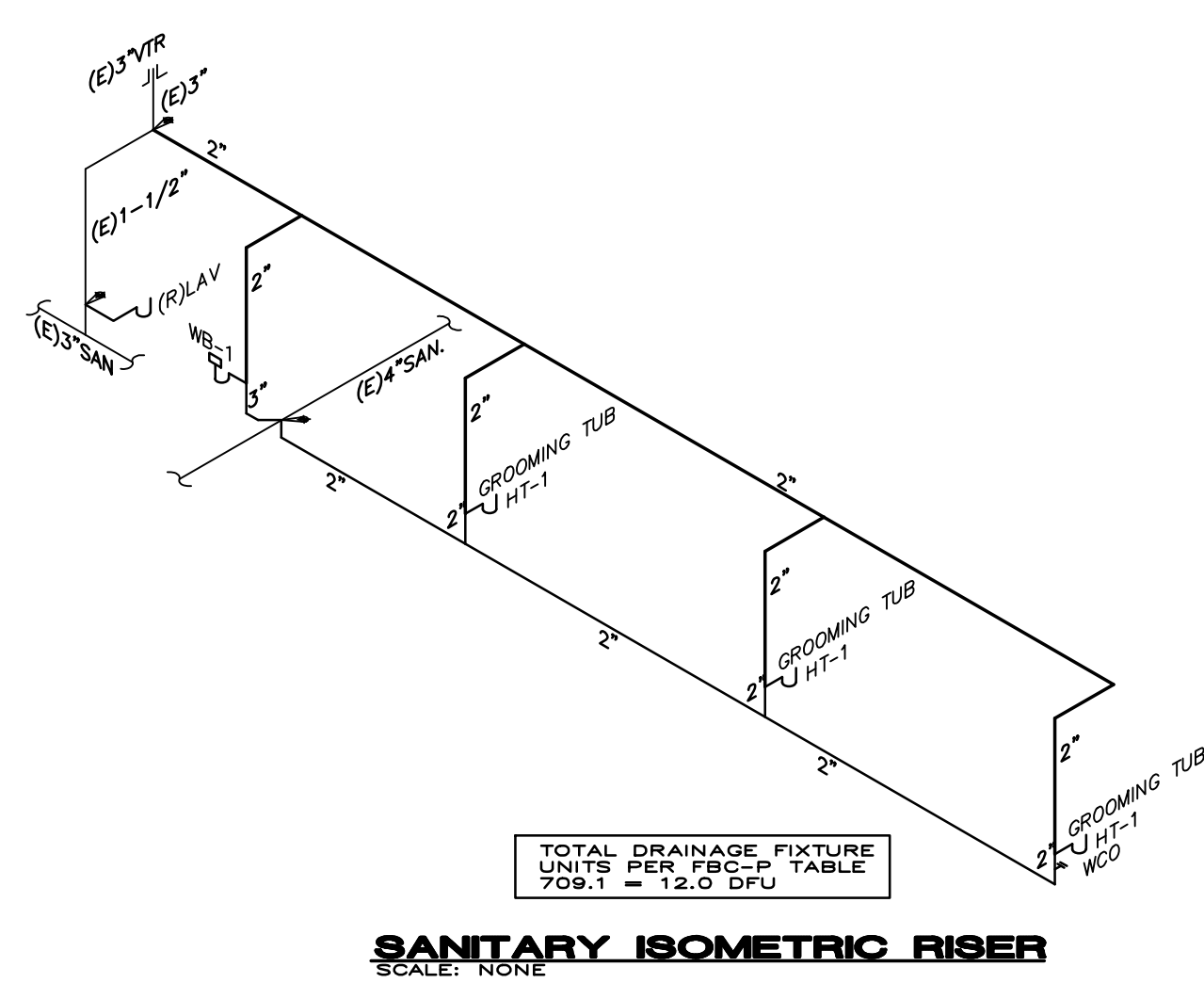
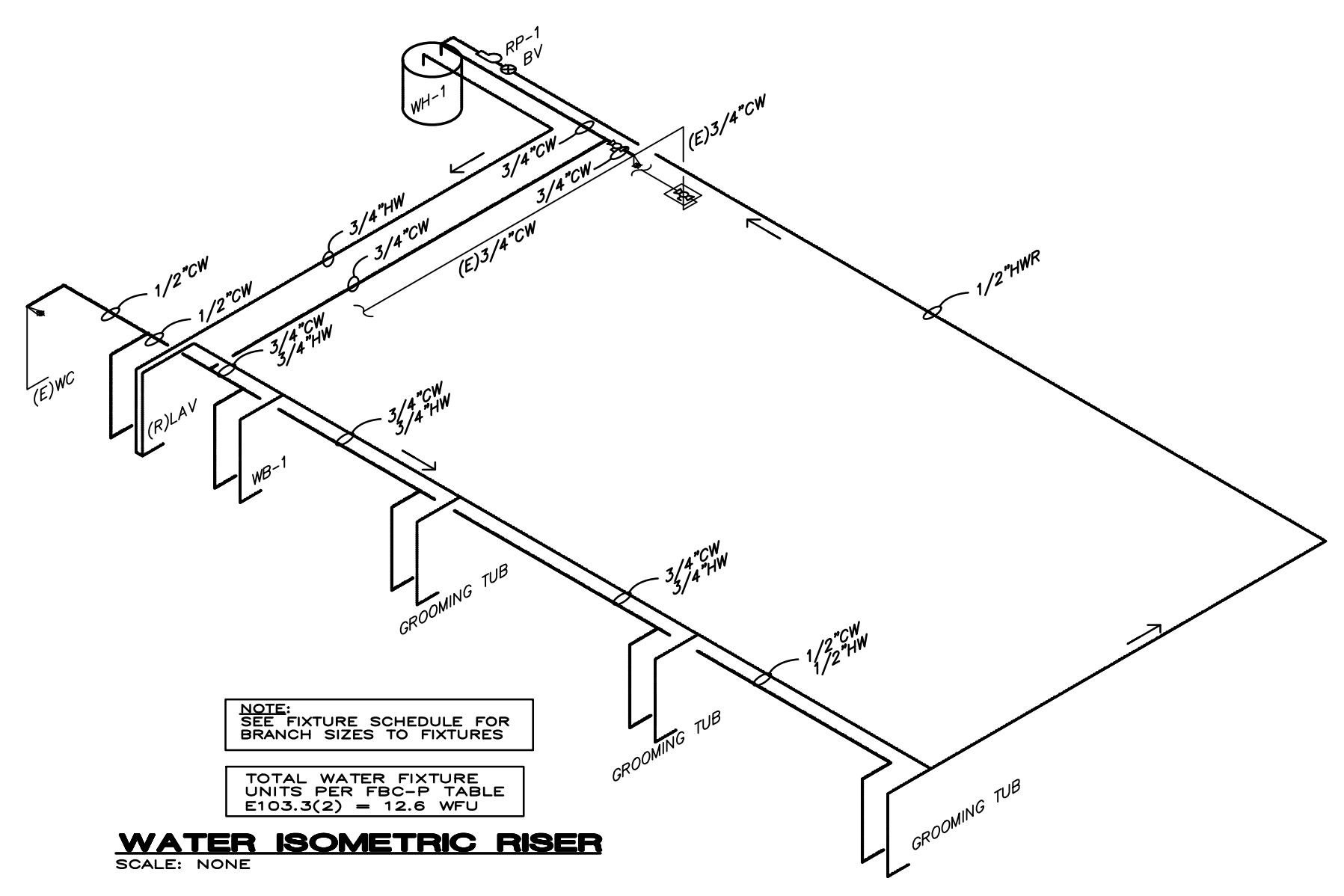
Seal
Andrew Z. Pavalis
State of Florida License #90693
Date: 3.30.2022
Checked by: ML
Drawn: KB
Job: 22-006
Sheet
P2

KEY NOTES ON DEMO PLAN:

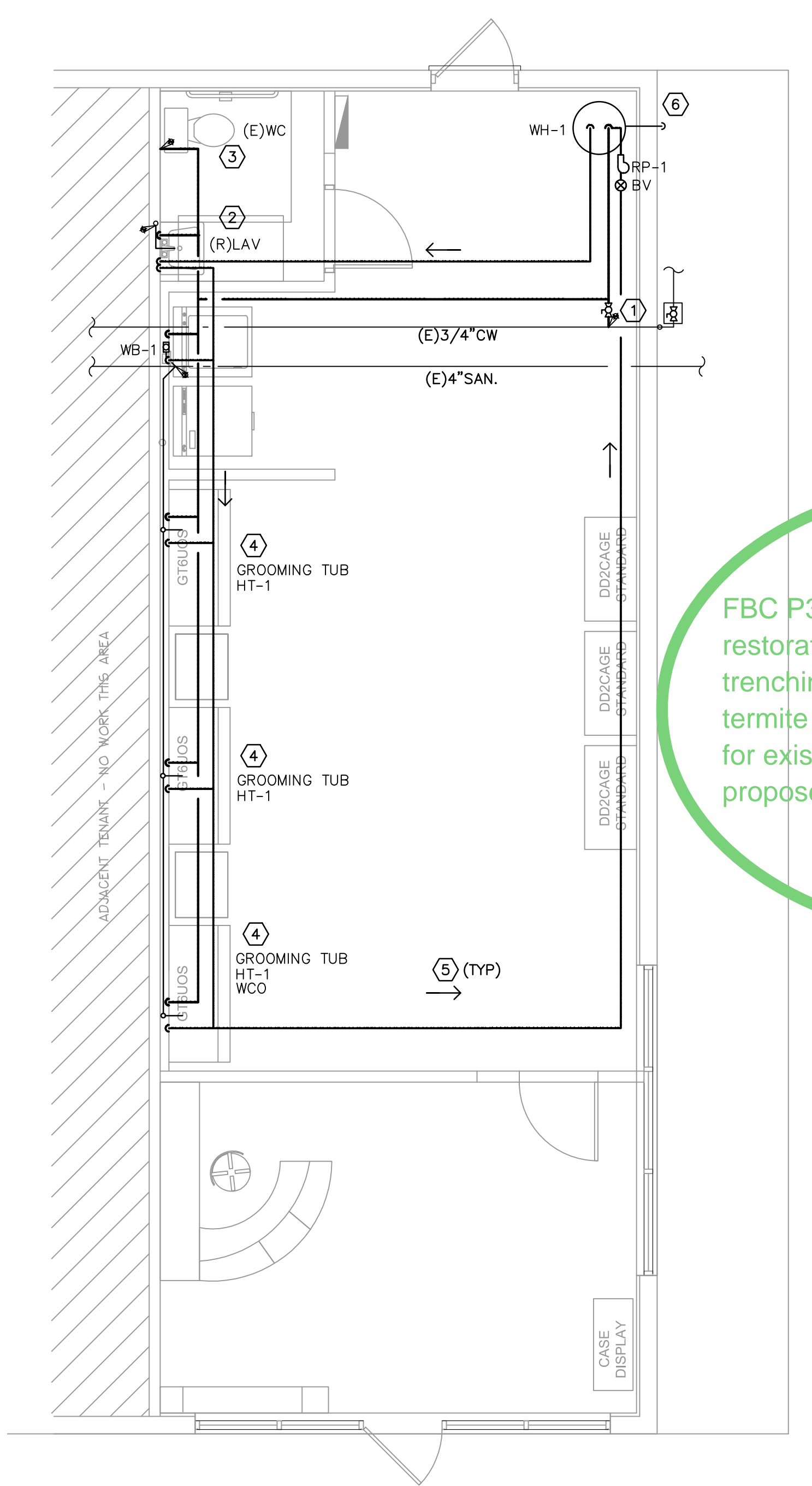
- (A) EXISTING UTILITY SERVING ADJACENT SPACES SHALL REMAIN.
- (B) EXISTING WATER CLOSET TO REMAIN.
- (C) EXISTING LAV TO BE REMOVED AND RE-USED IN REMODEL. CAP PIPING IN WALL.

KEY NOTES ON REMODEL PLAN:

- (1) CONNECT TO (E)3/4" CW WITH NEW 3/4" CW TO SERVE TENANT SPACE.
- (2) REMOVE & RE-INSTALL (E)LAV. RECONNECT TO (E)VENT/SAN IN WALL. PROVIDE NEW 1/2" CW/HW. ROUTE HW LOOP DOWN IN WALL TO LAVATORY SHUT-OFF VALVE AND THEN BACK UP ABOVE CEILING. (TO MEET FBC-EC, TABLE C404.5.1)
- (3) BACKFEED (E)1/2" CW TO (E)WC ABOVE CEILING.
- (4) GROOMING TUB PROVIDED BY OTHERS; INSTALLED BY PLUMBER. INSTALL HAIR TRAP TYPE P-TRAP UNDER DOG-WASH SINK WITH HORIZONTAL "PULL" CLEANOUT. PROVIDE 1/2" CW/HW AND 2" SAN/VENT.
- (5) DIRECTION IN HW LOOP FLOW.
- (6) ROUTE 1" PAN DRAIN THROUGH WALL TO LANDSCAPING.



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



2 PLUMBING REMODEL PLAN
SCALE: 1/4" = 1'-0"

FBC P307.1 General. Provide restorative work for demolition, trenching, excavation, soil termite treatment, and backfill for existing floor slabs for proposed plumbing work.



STEPANEK-LEWIS AND ASSOCIATES
2257 TWELVE OAKS WAY, SUITE 103
WESLEY CHAPEL, FL 33544
PH (813) 991-1248
REGISTRY # 8397 22-042
MATTHEW D. LEWIS, P.E. FL LIC#56189

GENERAL NOTES

- ALL WORK IS TO COMPLY WITH THE 2017 NATIONAL ELECTRIC CODE AND THE 7TH EDITION, 2020 FLORIDA BUILDING CODE, AND ALL LOCAL CODES OR REGULATIONS THAT MAY APPLY TO THE PROJECT.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MAKING A SITE VISIT IN ORDER TO IDENTIFY EXISTING CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT ANY ELECTRICAL SYSTEMS TO REMAIN ARE CODE COMPLIANT.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY POWER AND TEMPORARY LIGHTING AS REQUIRED FOR THE DURATION OF THE PROJECT.
- THE ELECTRICAL CONTRACTOR IS REQUIRED TO PROVIDE A WORKMANSHIP WARRANTY OVER THE PERIOD OF ONE YEAR AFTER PROJECT COMPLETION THAT IS SUFFICIENT TO COMPLY WITH THE PROJECT CONTRACT.
- THE ELECTRICAL CONTRACTOR IS TO PROVIDE A COMPLETE SET OF MARKED UP ELECTRICAL "AS BUILT" DRAWINGS TO THE GENERAL CONTRACTOR UPON COMPLETION OF THE PROJECT.
- THE ELECTRICAL CONTRACTOR IS TO PROVIDE AN OPERATION AND MAINTENANCE MANUAL FOR ALL EQUIPMENT REQUIRING MAINTENANCE ASSOCIATED WITH THE PROJECT.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK WITH OTHER TRADES IN ORDER TO NOT INTERFERE WITH THE OVERALL PROJECT SCHEDULE.
- IF A DISCREPANCY IS FOUND BETWEEN THE ELECTRICAL PLANS AND THE SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN UNLESS WRITTEN APPROVAL IS GRANTED FROM THE ARCHITECT OR ENGINEER.
- ALL BREAKER, DISCONNECT AND WIRE SIZING MUST BE CONFIRMED BY THE ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.

SUBMITTALS AND SHOP DRAWINGS

- PRIOR TO PROCUREMENT, THE CONTRACTOR IS REQUIRED TO PROVIDE SUBMITTALS AND SHOP DRAWINGS TO THE GENERAL CONTRACTOR, ENGINEER, AND ARCHITECT FOR APPROVALS.
- IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE THE SUBMITTED PRODUCTS WILL FORM A COMPLETE, FUNCTIONAL, AND CODE COMPLIANT ELECTRICAL SYSTEM.

WIRING AND RACEWAYS

- NO WIRING IS TO BE SMALLER THAN #12 AWG UNLESS OTHERWISE NOTED.
- EACH CIRCUIT IS TO BE INSTALLED WITH A DEDICATED NEUTRAL UNLESS OTHERWISE NOTED.
- THE CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS COMBINED SHALL BE SIZED FOR A MAXIMUM AT 5% VOLTAGE DROP TOTAL PER FBC C405.5.3.
- TYPE MC CABLING IS ACCEPTABLE UNLESS PROHIBITED BY THE SPECIFICATIONS OF THE PROJECT, OR THE NATIONAL ELECTRIC CODE DUE TO THE OCCUPANCY TYPE OF THE PROJECT.
- NONMETALLIC CABLING (ROMEX) SHALL NOT BE USED.
- ALL WIRING IS TO BE SIZED ACCORDING TO THE NEC.
- IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO UPSIZE ALL CONDUIT AND WIRING WHEN REQUIRED DUE TO VOLTAGE DROP POSED BY ONSITE CONDITIONS.
- PROVIDE COMPLETE RACEWAYS FOR ALL SYSTEMS AS REQUIRED BY THE NEC AND LOCAL CODES. TYPE PVC, EMT, AND RMC ARE PERMITTED AS REQUIRED BY THE LOCAL CODE.
- A GROUND CONDUCTOR IS TO BE SUPPLIED IN ALL RACEWAYS. SIZE THE GROUND CONDUCTOR PER THE NEC, OR AS SHOWN ON THE PLAN, WHICHEVER IS LARGER.
- RACEWAYS ARE TO BE CONCEALED AND EQUIPMENT IS TO BE FLUSH MOUNTED, UNLESS OTHERWISE NOTED, OR WHEN ONSITE CONDITIONS MAKE CONCEALING OR FLUSH MOUNTING IMPOSSIBLE.
- WHEN A RACEWAY PENETRATES A FIRE WALL OR FLOOR, THE RACEWAY IS TO BE SEALED IN A MANNER WHICH WILL MAINTAIN THE RATING OF THE WALL OR FLOOR.
- MINIMUM CONDUIT SIZE IS TO BE 3/4 INCH, UNLESS OTHERWISE NOTED.
- FLEXIBLE CONDUIT IS ALLOWABLE IN LENGTHS OF 6' OR LESS, WHEN IT IS MORE PRACTICAL TO MAKE CONNECTIONS TO EQUIPMENT.
- SEALTITE FLEXIBLE CONDUIT IS TO BE USED IN OUTDOOR APPLICATIONS.
- THE RACEWAY SYSTEM AS A WHOLE IS REQUIRED TO COMPLY WITH ALL NEC AND LOCAL CODE REQUIREMENTS.

GROUNDING

- THE ELECTRICAL SYSTEM IS TO BE GROUNDED IN ITS ENTIRETY PER THE NEC.
- THE TELEPHONE / NETWORK BOARD IS TO HAVE NO. 6 AWG GROUND WIRE TO THE MAIN SERVICE GROUND.
- ALL METALLIC EQUIPMENT INCLUDING RACEWAYS, PANELBOARDS, DISCONNECTS, BOXES, ARE TO BE CONNECTED TO THE GROUNDING SYSTEM PER NEC REQUIREMENTS.
- THE SERVICE GROUND IS TO BE SIZED ACCORDING TO NEC REQUIREMENTS AND IS TO BE CONNECTED TO BUILDING STEEL, COLD WATER PIPING, CONCRETE ENCASED STEEL, AND GAS PIPING IF REQUIRED.

DEVICES

- LIGHT SWITCHES ARE TO BE MOUNTED 48 INCHES ABOVE FINISHED FLOOR TO THE TOP OF THE DEVICE, UNLESS OTHERWISE NOTED.
- RECEPTACLES ARE TO BE MOUNTED 18 INCHES ABOVE FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE, UNLESS OTHERWISE NOTED.
- THE COLOR AND STYLE OF OUTLETS AND SWITCHES ARE TO BE DETERMINED BY THE CLIENT.
- RECEPTACLES ARE TO BE GFCCI TYPE WHERE NOTED.
- RECEPTACLES ARE TO BE SWITCHED TO COMPLY WITH FLORIDA BUILDING CODE ENERGY REGULATIONS WHERE REQUIRED.
- RECEPTACLES AND SWITCHES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.
- IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE COMPATIBILITY OF SPECIAL RECEPTACLES WITH THE EQUIPMENT THEY ARE INTENDED TO SERVE.
- ALL EXTERIOR RECEPTACLES AND RECEPTACLES SUBJECT TO MOISTURE MUST BE OF GFCCI TYPE REGARDLESS OF THE TYPE SHOWN ON THE ELECTRICAL PLANS.
- ALL EXTERIOR RECEPTACLES AND SWITCHES ARE REQUIRED TO BE INSTALLED WITH WEATHERPROOF "IN USE" TYPE COVERS.
- DEVICES ARE SHOWN ON THE ELECTRICAL PLANS FOR A REFERENCE LOCATION ONLY. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS AND OTHER TRADES. NOTE ANY CHANGES ON THE "AS BUILT" SET OF ELECTRICAL PLANS.

SWITCHGEAR

- PANELBOARDS AND LOAD CENTERS ARE TO BE SQUARE D OR APPROVED EQUAL.
- PANELBOARDS AND LOAD CENTERS ARE TO BE PROVIDED WITH TRANSIENT VOLTAGE SURGE SUPPRESSION AS DESCRIBED IN THE ELECTRICAL PLANS.
- DISCONNECTS ARE TO BE HEAVY DUTY TYPE AND ARE TO BE MATCHED WHERE THE EQUIPMENT IS NOT SUPPLIED BY THE APPROPRIATE BREAKER.
- ALL NEW BREAKERS ADDED TO EXISTING PANELS ARE TO MATCH THE EXISTING PANEL MANUFACTURER AND AIC RATING OF THE EXISTING BREAKERS.
- THE LOCATIONS OF ALL SWITCHGEAR, PANELS, DISCONNECTS, MCC'S, ETC. IS APPROXIMATE. CONSULT OWNER PRIOR TO ROUGH IN OF EQUIPMENT.
- PROVIDE TYPED PANEL SCHEDULES/DIRECTORIES FOR ALL PANELS UPON COMPLETION OF THE PROJECT. ENSURE THAT THE SCHEDULES PROVIDED REFLECT THE "AS BUILT" CONDITION AND ARE NOT SIMPLY COPIES OF THE PANEL SCHEDULES FROM THESE PLANS. IF AN EXISTING PANEL IS MODIFIED, IT IS ACCEPTABLE TO ADD THE MODIFICATION TO THE EXISTING SCHEDULE IN THE MANNER THE EXISTING SCHEDULE WAS ORIGINALLY CREATED.
- PROVIDE ENGRAVED PLASTIC LAMINATE NAME TAGS ON THE FRONT OF ALL PANELS, DISCONNECTS, TRANSFORMERS AND OTHER SWITCHGEAR. LABEL THE EQUIPMENT TO MATCH THE AS BUILT DRAWINGS TO ENSURE MAINTENANCE PERSONNEL ARE PROVIDED THE INFORMATION THEY NEED TO QUICKLY IDENTIFY THE ELECTRICAL SYSTEM.
- PROVIDE ALL OTHER IDENTIFICATION AS REQUIRED PER ANSI, NEC, AND ANY OTHER APPLICABLE STANDARDS / SPECIFICATIONS.
- IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VERIFY ALL NEC CLEARANCE REQUIREMENTS ARE MET BEFORE THE ROUGH-IN OF ANY EQUIPMENT. THE LAYOUT OF SWITCHGEAR AND OTHER EQUIPMENT ON THE PLANS IS DIAGRAMMATICAL ONLY.

LIGHTING

- CONNECT ALL EXIT SIGNS, EGRESS FIXTURES, AND NIGHT LIGHTS ON THE UNSWITCHED LEG OF A LOCAL LIGHTING CIRCUIT.
- MINIMUM EMERGENCY ILLUMINATION OF 1 FOOT-CANDLE AT FLOOR LEVEL ALONG THE PATH OF EGRESS FOR 90 MINUTES IS REQUIRED. EMERGENCY LIGHTING FIXTURES SHALL BE ARRANGED BY THE CONTRACTOR TO ACCOMPLISH THIS REQUIREMENT.
- REFER TO THE ARCHITECTURAL CEILING PLAN FOR EXACT FIXTURE LOCATIONS.
- MULTIPLE FIXTURES MAY HAVE OPTIONS FOR MOUNTING IN GRID, OR DRYWALL CEILINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE PROPER MOUNTING HARDWARE AND TRIM PIECES ARE ORDERED BASED ON THE CEILING TYPES SHOWN IN THE ARCHITECTURAL PLANS.
- ALL FIXTURES AND CONTROLS ARE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.

PROFESSIONAL STATEMENT

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FLORIDA STATUTES.

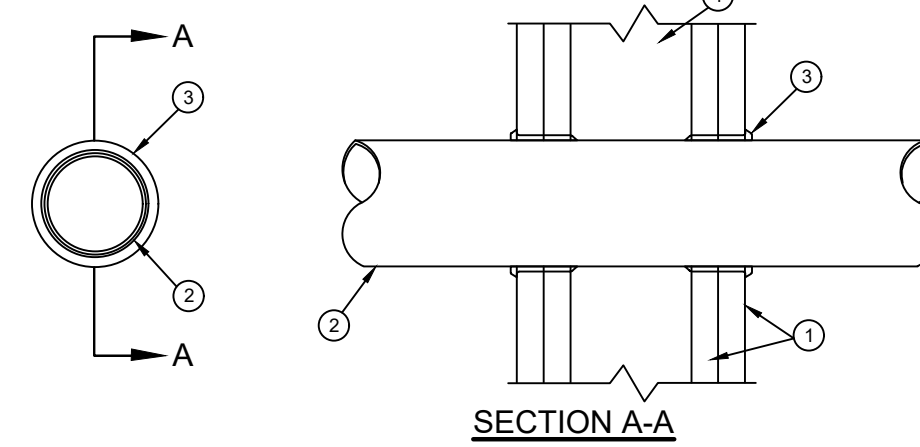
ABBREVIATIONS

AFC	- AVAILABLE FAULT CURRENT
AFF	- ABOVE FINISHED FLOOR
AHU	- AIR HANDLING UNIT
BFG	- BELOW FINISHED GRADE
C	- CONDUIT
CW	- COOL WHITE
CU	- CONDENSING UNIT
CKT	- CIRCUIT
DACP	- DOOR ALARM CONTROL PANEL
DN	- DOWN
EF	- EXHAUST FAN
EG	- EQUIPMENT GROUND
ENCL	- ENCLOSURE
EWC	- ELECTRIC WATER COOLER
EW	- ELECTRIC WATER HEATER
ETR	- EXISTING TO REMAIN
PNL	- PANEL
EOP	- EDGE OF PAVEMENT
EXP	- EXPLOSION PROOF
FCU	- FAN COIL UNIT
FHP	- FRACTIONAL HORSE POWER
FLA	- FULL LOAD AMPERES
G	- GROUND
GFCCI	- GROUND FAULT CIRCUIT INTERRUPTER
HID	- HIGH INTENSITY DISCHARGE
HORIZ	- HORIZONTAL
IG	- ISOLATED GROUND
LW	- LIGHT WHITE
HP	- HORSEPOWER / HEAT PUMP
HVAC	- HEATING, VENTILATING, AIR CONDITIONING
JB	- JUNCTION BOX
LRA	- LOCKED ROTOR AMPERES
MCB	- MAIN CIRCUIT BREAKER
MLO	- MAIN LUGS ONLY
N	- NEUTRAL
NL	- NIGHT LIGHT
OB	- OUTLET BOX
PB	- PULL BOX, PUSHBUTTON
PS	- PAY STATION
RECEPT	- RECEPTACLE
SF	- SUPPLY FAN
SPEC	- SPECIFICATIONS
SPD	- SURGE PROTECTION DEVICE
SWECS	- SMOKE WARNING EMERGENCY CALL SYSTEM
TL	- TWISTLOCK
TTB	- TELEPHONE TERMINAL BOARD
TVTIB	- TELEVISION TERMINAL BOARD
VERT	- VERTICAL
WM	- WATT MISER
WP	- WEATHERPROOF
WW	- WARM WHITE
XFMR	- TRANSFORMER

LEGEND	
SYMBOL	DESCRIPTION
	PANELBOARD, 120/208V OR 120/240V
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH (SIZE / FUSE # OF POLES)
	METER
	DUPLEX RECEPTACLE, 125V, 15A
	COUNTER HEIGHT DUPLEX RECEPTACLE, 125V, 15A
	SPECIAL PURPOSE RECEPTACLE
	EXIT FIXTURE
	EMERGENCY FIXTURE
	REMOTE EMERGENCY HEAD
	SINGLE-POLE SWITCH
	LOW VOLTAGE SWITCH
	OCCUPANCY SENSOR SWITCH
	POWERPACK
	OCCUPANCY SENSOR
	LOW VOLTAGE DUPLEX RECEPTACLE (TELEPHONE OUTLET)
	EXHAUST FAN
	RECIRCULATING PUMP
GFCCI	GROUND FAULT CIRCUIT INTERRUPTER
GFCCIWP	WEATHER PROOF / GROUND FAULT
ETR	EXISTING TO REMAIN
HS	HALF SWITCH RECEPTACLE
SW	SWITCHED RECEPTACLE
F	FLUSH W/ FLOOR RECEPTACLE

REFERS TO LIKE NUMBER KEY NOTES

UL SYSTEM No. WL1001
(FORMERLY SYSTEM No. 147)
"F" RATING - 1, 2, 3, AND 4 HR. (SEE ITEM 2 AND 3)
"T" RATING - 0, 1, 2, 3, AND 4 HR. (SEE ITEM 3)



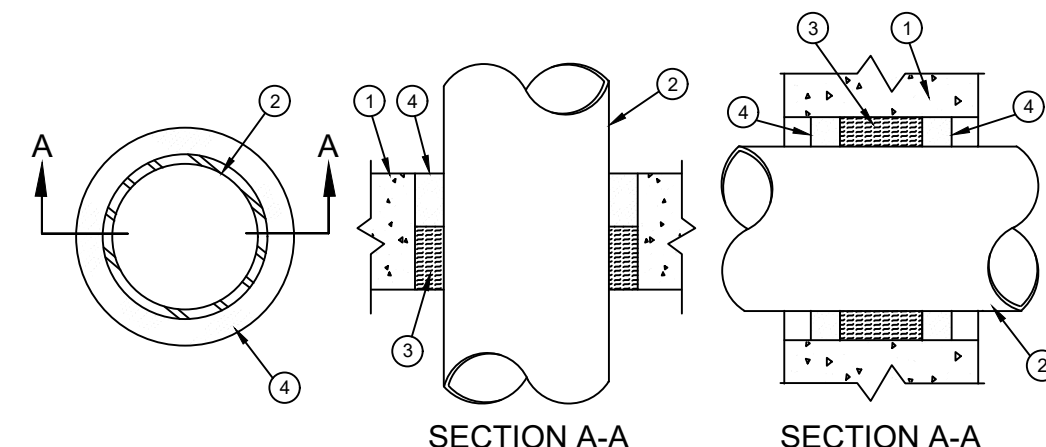
- WALL ASSEMBLY - THE 1, 2, 3, OR 4 HOUR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES.
 - STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS CONSIST OF NOMINAL 2" x 4" LUMBER SPACED 16 INCHES O.C. WITH NOMINAL 2" x 4" LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN. 3-5/8" WIDE BY 1-3/8" DEEP CHANNELS SPACED MAX. 24" O.C.
 - WALLBOARD GYPSUM 1/2" OR 5/8" 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAMETER OF OPENING IS 1 1/2".
 - PIPE OR CONDUIT - NOMINAL 1/2" DIA. (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL CONDUIT, NOM. 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL CONDUIT MECHANICAL OR TYPE L (OR HEAVIER) COPPER TUBING OR NOM. 1" DIA (OR SMALLER) FLEXIBLE STEEL CONDUIT. FILL VOID OR CAVITY MATERIALS - CAULK - CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND W/ A MIN. 1/4" DIA. BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY "F" RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY "T" RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED AS TABULATED BELOW.

MAX PIPE OR CONDUIT (DIA IN.)	ANNULAR SPACE	"F" RATING	"T" RATING
1 IN.	0 TO 1/8 IN.	1 OR 2	0 - 1 OR 2
4 IN.	1/4 TO 1/2	3 OR 4	3 OR 4
4 IN.	0 TO 1/4	1 OR 2	0
4 IN.	1/4 TO 1/2	3 OR 4	0
4 IN.	3/16 TO 3/8	1 OR 2	0

* WHEN COPPER IS USED, "T" RATING IS 0 H.
MINNESOTA MINING & MFG. CO. - TYPES CP-25 SIL, CP-25 NS, CP-25 WB, CP-25 WB*
* BEARING THE UL CLASSIFICATION MARKING

1 1, 2, 3, 4 HOUR FIRE RATED GYP. / STUD WALL ASSEMBLY
SCALE = NONE

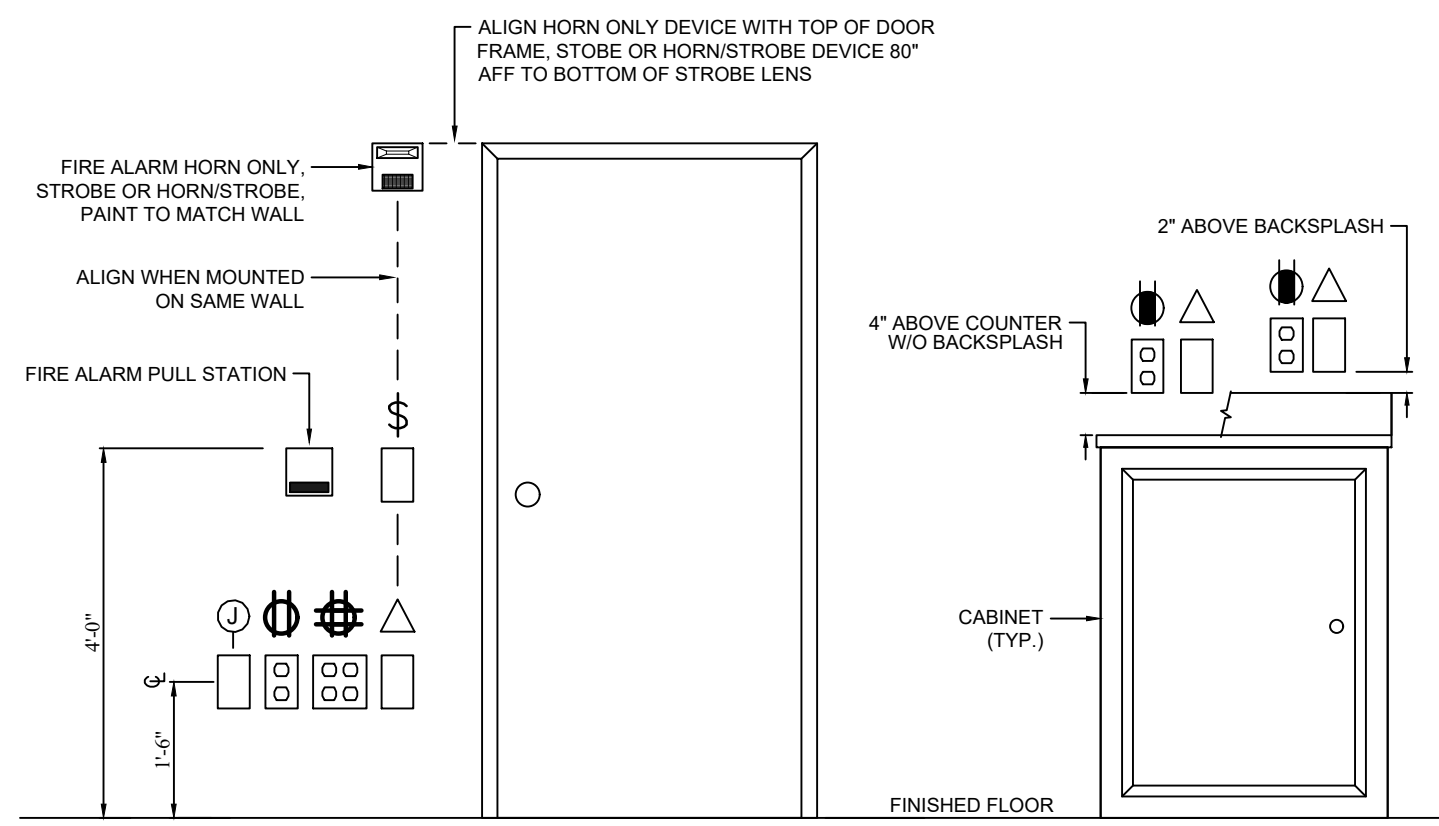
UL SYSTEM No. CAJ1012
(FORMERLY SYSTEM No. 129)
"F" RATING - 1 HR.
"T" RATING - 0 HR.
"L" RATING AT AMBIENT - LESS THEN 1 CFM/SQ. FT. (SEE ITEM 4)
"L" RATING AT 400 F - LESS THEN 1 CFM/SQ. FT. (SEE ITEM 4)



- FLOOR OR WALL ASSEMBLY - MIN. 5" THICK REINFORCED NORMAL WEIGHT (100-150 pcf) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS* MAX. DIAMETER OF OPENING IS 6 INCHES. SEE CONCRETE BLOCKS (CAZ) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
- THROUGH - PENETRANTS - ONE METALLIC PIPE OR CONDUIT TO BE CENTERED WITHIN FIRESTOP SYSTEM. A NOM. ANNULAR SPACE OF 3/4" IS REQUIRED WITHIN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:
 - STEEL PIPE - NOM. 4" DIA (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.
 - CONDUIT - NOM. 4" DIA (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL CONDUIT.
- PACKING MATERIAL - MIN. 3" THICKNESS OF MIN. 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS FILL MATERIAL. PACKING MATERIAL TO BE CENTERED IN WALLS MID-DEPTH AND RECESSED TO ALLOW FOR INSULATION OF FILL MATERIAL.
- FILL, VOID OR CAVITY MATERIAL - SEALANT OR FOAM - MIN. 1/2" THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS. FLUSH WITH TOP SURFACE OF FLOOR. IN WALLS, FILL MATERIAL TO BE APPLIED ON EACH SIDE OF PACKING MATERIAL. FOAMED SILICONE TO BE INSTALLED AS DESCRIBED IN THE MANUFACTURERS APPLICATION INSTRUCTIONS AT A DENSITY OF 14 pcf MIN TO 21 pcf MAX. THE THICKNESS OF FILL MATERIAL IS DEPENDANT UPON THE TYPE OF FILL MATERIAL AS SHOWN IN THE TABLE BELOW.

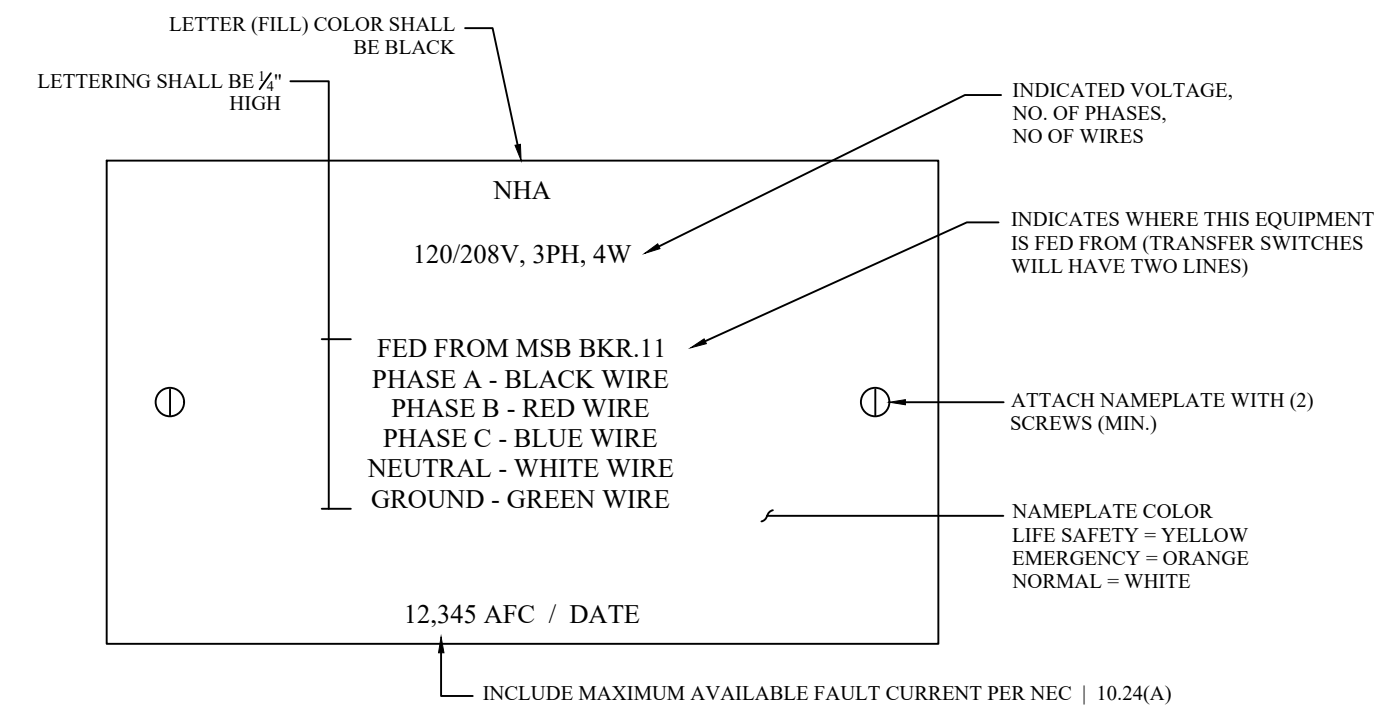
FILL MATERIAL IDENTIFICATION MIN. THK OF FILL MATERIAL, in.
TYPE FB-2001 1/2
TYPE FB-2000 OR FB-2003 1/2
MINNESOTA MINING & MFG Co. - TYPES FB-2000, FB-2000*, FB-2001, FB-2003 (FLOORS ONLY). (NOTE: L RATINGS APPLY ONLY WHEN FB-2000* IS USED.)
* BEARING THE UL CLASSIFICATION MARKING

3 1 HOUR FIRE RATED MASONRY FLOOR / WALL
SCALE = NONE

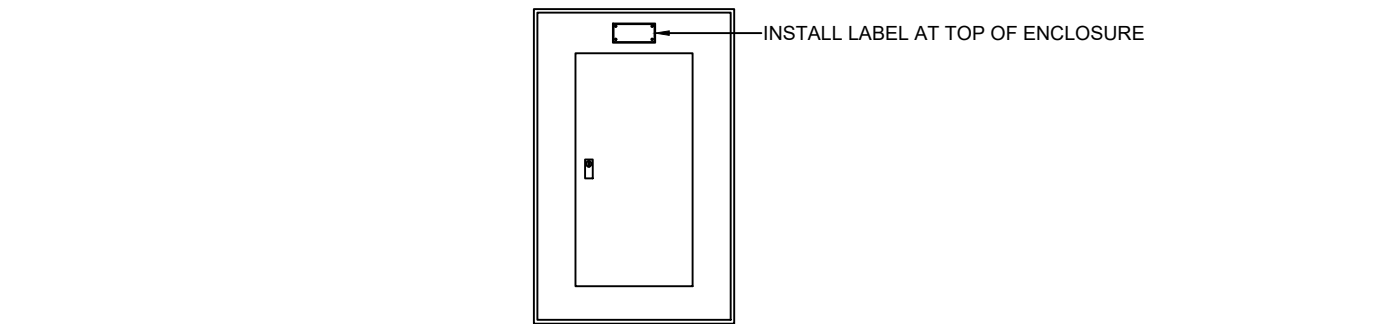
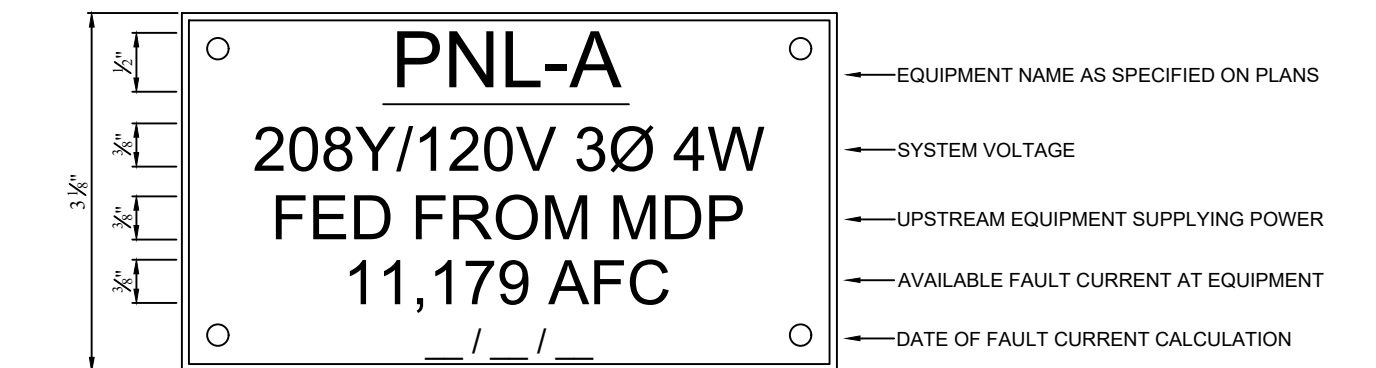


- NOTES:
- MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR (A.F.F.), UNLESS OTHERWISE NOTED.
 - LOCATIONS OF OUTLETS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL TAKE PRECEDENCE OVER THESE MOUNTING HEIGHTS. FIELD LOCATE OUTLETS WITH ARCHITECT DURING ROUGH-IN.
 - INSTALL OUTLETS THAT ARE IN CLOSE PROXIMITY ON THE SAME CENTERLINE. OUTLETS THAT ARE WITHIN 2'-0" HORIZONTALLY AND WITHIN 1'-0" VERTICALLY SHALL BE INSTALLED ON THE SAME HORIZONTAL CENTERLINE LOCATED HALF WAY BETWEEN THE HEIGHTS SHOWN. OUTLETS THAT ARE MORE THAN 1'-0" APART VERTICALLY SHALL BE INSTALLED ON THE SAME VERTICAL CENTERLINE.
 - VERIFY MOUNTING HEIGHT WITH LOCAL AUTHORITY.
 - ADA REQUIREMENTS SHALL SUPERCEDE STANDARD MOUNTING HEIGHTS WHEN THERE IS A CONFLICT.

5 STANDARD MOUNTING HEIGHTS DETAIL
SCALE = NONE



2 ELECTRICAL EQUIPMENT NAMEPLATE DETAIL
SCALE = NONE



- NOTES:
- ALL DISTRIBUTION EQUIPMENT SUCH AS PANELBOARDS, SWITCHBOARDS, DISCONNECTS, TRANSFORMERS, ETC. SHALL BE PROVIDED WITH AN EQUIPMENT LABEL PER THE REQUIREMENTS OF THIS DETAIL.
 - LABELS SHALL BE 2-PLY ENGRAVED PLASTIC LAMINATE WITH BLACK TYPEFACE LETTERS. LABEL BACKGROUND SHALL FOLLOW THE BELOW COLOR SCHEME:
 - NORMAL POWER - WHITE
 - UPS POWER - BLUE
 - LIFE SAFETY POWER - YELLOW
 - LABEL MATERIAL SHALL BE DURABLE, UV STABLE, RATED FOR OUTDOOR USE, AND ABRASION RESISTANT. WHERE ATTACHED TO NEMA 4X EQUIPMENT, LABELS SHALL IN ADDITION BE CHEMICAL RESISTANT.
 - LABELS SHALL BE PERMANENTLY ATTACHED TO ENCLOSURE COVER WITH RIVETS UNLESS DOING SO COMPROMISES ITS NEMA / IP RATING. LABELS FOR ENCLOSURES WITH WELDED SEAMS AND GASKETED DOORS SUCH AS THOSE RATED NEMA 12 OR NEMA 4 SHALL BE INSTALLED USING PERMANENT WEATHER-, UV-, AND TEMPERATURE-RESISTANT DOUBLE-SIDED MOUNTING TAPE ONLY.
 - A SUBMITTAL WITH A COMPLETE LIST OF EQUIPMENT LABELS SHALL BE PROVIDED FOR ENGINEER APPROVAL PRIOR TO ORDERING.
 - LABELS SHALL INDICATE NO LESS THAN THE FOLLOWING:
 - EQUIPMENT NAME.
 - THE NOMINAL SYSTEM VOLTAGE WHICH SAID EQUIPMENT IS CONNECTED TO.
 - THE EQUIPMENT NAME SUPPLYING POWER TO SAID EQUIPMENT.
 - THE AVAILABLE FAULT CURRENT AT SAID EQUIPMENT.

4 PANEL LABEL DETAIL
SCALE = NONE

APPROVED
By Steve Guanche at 5/18/2022 10:07:05 AM

Gulf Coast Electrical Design
2111 Sunnydale Blvd, Suite D
Clearwater, FL 33705
(727) 330-4937 | www.GCElectricalDesign.com
Florida Board of Professional Engineers #33905

Cory A Glass
2022.03.3
11:03:37 AM
-04'00'
CORY A GLASS P.E. #80467

City of Tampa
CONSTRUCTION SERVICES DIVISION
BLD-22-0492757 5/19/2022
THIS SET OF PLANS MUST BE KEPT ON THE JOB AT ALL TIMES. IT IS UNLAWFUL TO MAKE CHANGES OR ALTERATIONS WITHOUT WRITTEN APPROVAL FROM THE CITY OF TAMPA CONSTRUCTION SERVICES DIVISION.
The Engineer of this plan shall not be held liable for any City or State Codes REVISED FOR CODE COMPLIANCE

Revisions	Description	Date
No.		

City of Tampa
CONSTRUCTION SERVICES DIVISION
THIS PROJECT IS IN A FLOOD ZONE AE
non-substantial improvement - any changes will require revised documents

PAVALIS ARCHITEXTON
417 South Pinellas Avenue, Tarpon Springs, Florida 34609
email: andrew@pavalis.com

SYMBOLS LEGEND, DETAILS NOTES + ABBREVIATIONS
PROJECT: Interior Renovation for: Bark Suds
4644 WEST GANDY BOULEVARD
Tampa, Florida 33611

Andrew Z. Pavalis
State of Florida License #98963

Date: 1.24.2022
Checked by: AZP
Drawn: TLR
Job: 22-006
Sheet
EO.0

No.	Date

No.	Date

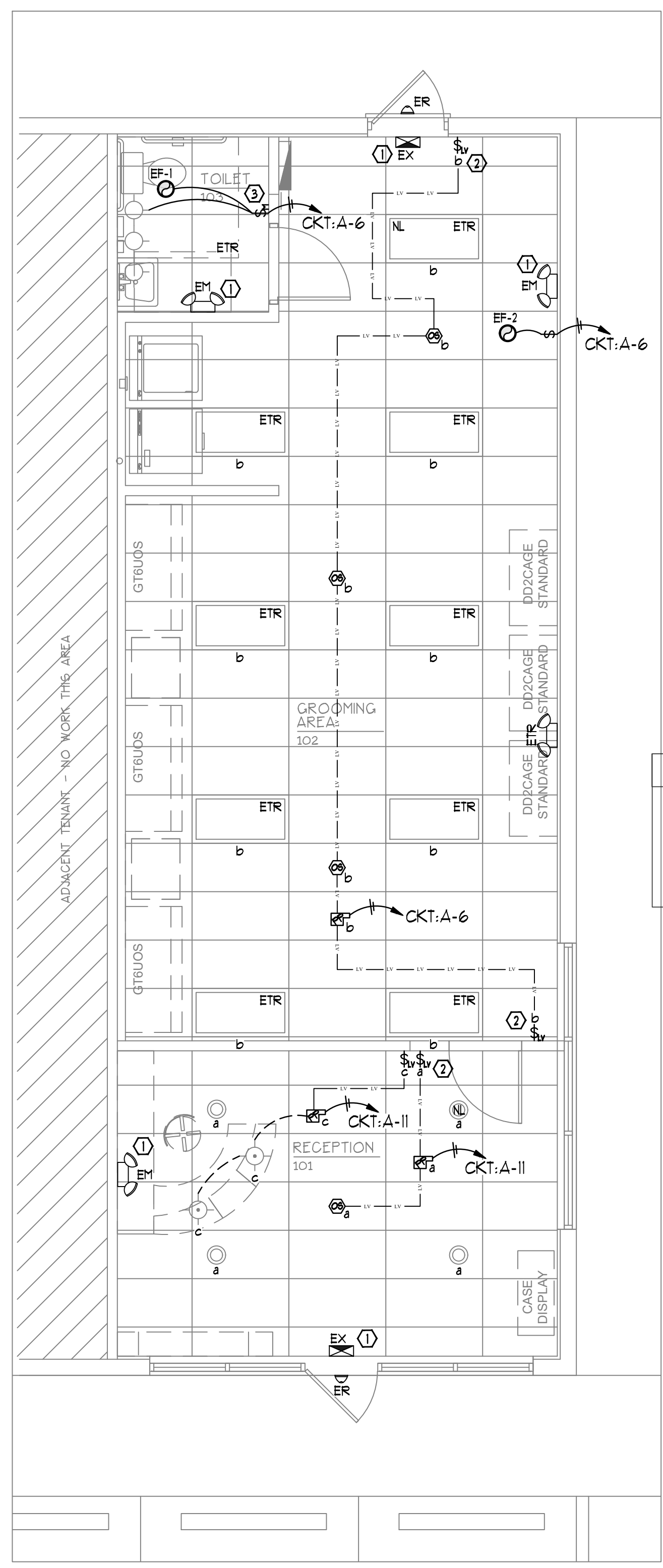
City of Tampa
CONSTRUCTION SERVICES DIVISION
THIS PROJECT IS IN A FLOOD ZONE AE
non-substantial improvement – any changes will require revised documents

PAVALIS ARCHITEXTON
417 South Pinellas Avenue, Tarpon Springs, Florida 34609
email: andrew@pavalis.com

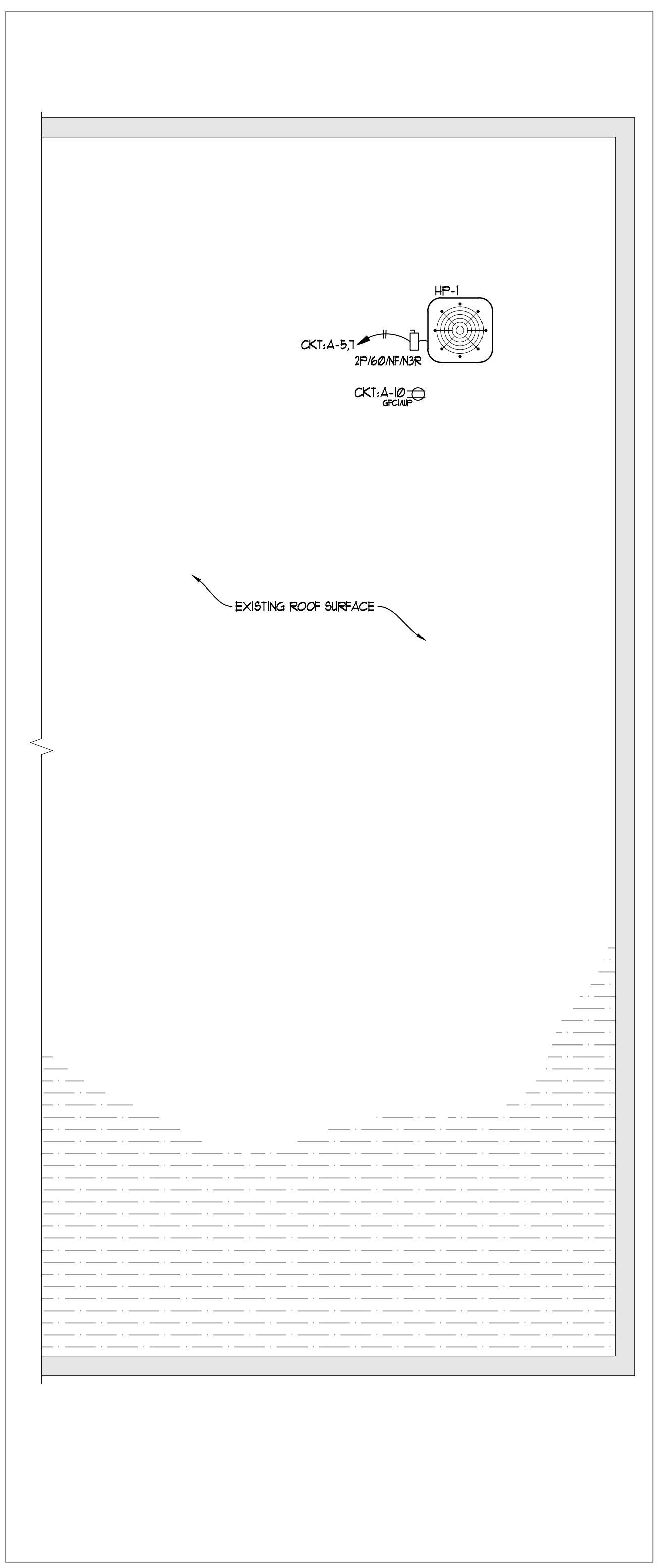
POWER + LIGHTING PLAN
PROJECT: Interior Renovation for:
Bark Suds
4644 WEST GANDY BOULEVARD
Tampa, Florida 33611

Seal
Andrew Z. Pavalis
State of Florida License #98963

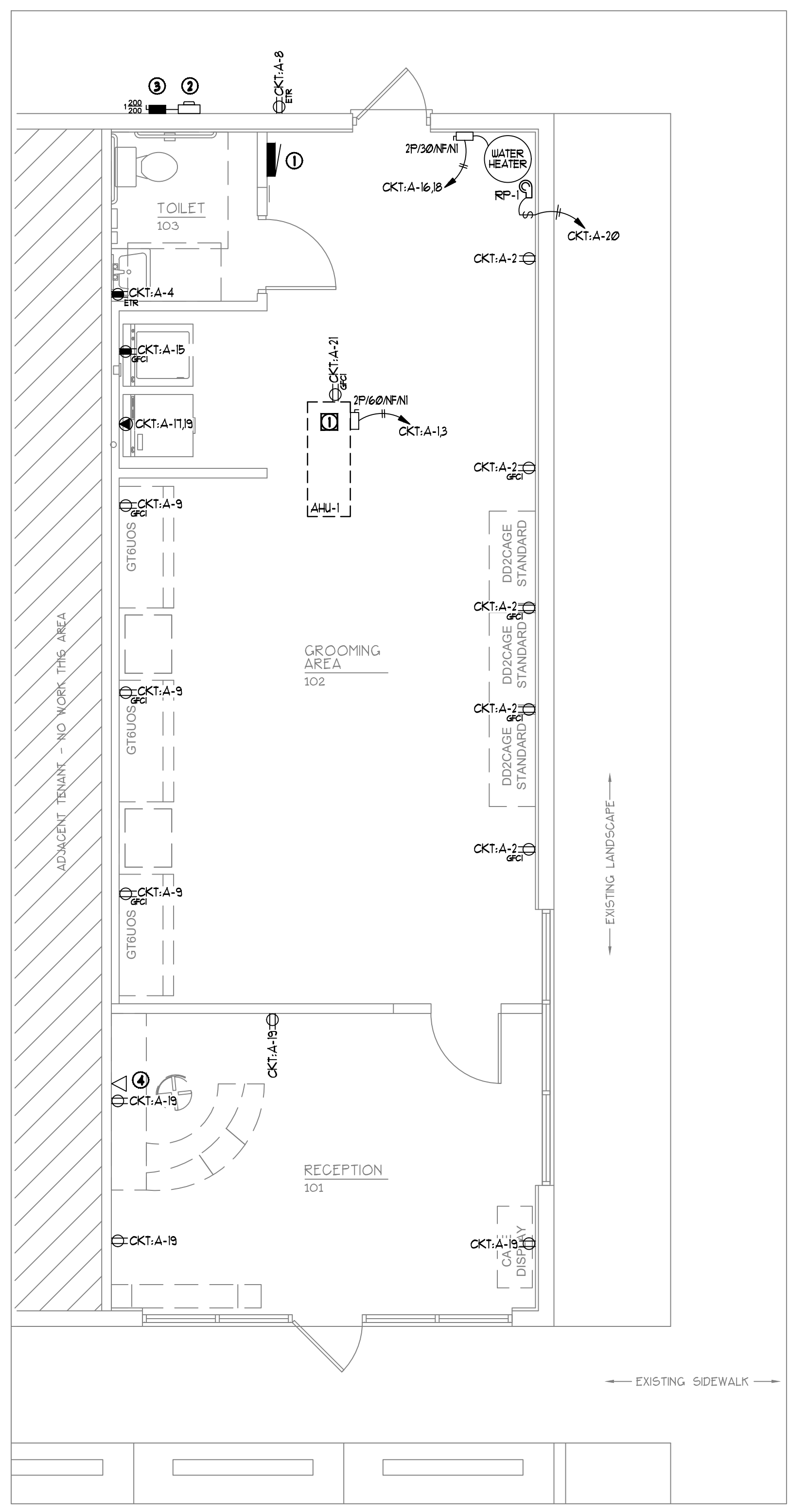
Date: 1.24.2022
Checked by: AZP
Drawn: TLR
Job: 22-006
Sheet
E1.0



3 LIGHTING PLAN
E1.0 SCALE: 1/4" = 1'-0"



2 MECHANICAL POWER PLAN (ROOF)
E1.0 SCALE: 1/4" = 1'-0"



1 POWER PLAN
E1.0 SCALE: 1/4" = 1'-0"

DESIGNATION	DESCRIPTION	MANUFACTURER	CATALOG #	VOLTAGE	WATTS	TEMPERATURE	DIMMING	FINISH	LAMPS	LENS	NOTES
A	6" RECESSED DOWNLIGHT	LITHONIA	LDN6 40/10 L06 AR LSS MVOLT E210	120	11W (EA)	4000K	---	---	LED	---	---
C	CHANDELIER	---	---	120	60W	4000K	---	---	---	---	PROVIDED BY OWNER, 60W ALLOWANCE, NON-DIMMING
EM	90 MIN. EMERGENCY LIGHT	LITHONIA	ELM4L	120	3.15	---	NONE	WHITE	LED	---	---
ER	REMOTE EMERGENCY HEAD	LITHONIA	AF0 W MVOLT N SD	120	2.8	---	---	WHITE	LED	---	WEATHERPROOF
EX	EXIT FIXTURE	LITHONIA	EXRG EL M6	120	1.0	---	---	WHITE	LED	---	---

DESIGNATION	DESCRIPTION	MANUFACTURER	CATALOG #	VOLTAGE	NOTES
Ⓢ	WALL MOUNT LINE VOLTAGE VACANCY SENSOR	ACUTY	WSX PDT 2P FAN WH	120	---
Ⓢ _v	WALL MOUNT LOW VOLTAGE OVERRIDE SWITCH	ACUTY	nPODM WH	LOW VOLTAGE	---
Ⓢ _o	CEILING MOUNT LOW VOLTAGE OCCUPANCY SENSOR	ACUTY	nCM PDT 9 RJB	LOW VOLTAGE	---
Ⓢ _p	nLIGHT POWER PACK	ACUTY	nPP16 EFP	LOW VOLTAGE	RJ-45 CONNECTORS / 0-10V DIMMING WHEN REQUIRED

APPROVED
By Steve Guanche at 5/18/2022 10:06:47 AM

GULF COAST ELECTRICAL DESIGN
2111 Sunnydale Blvd, Suite D
Clearwater, FL 33765
(727) 330-4937 | www.GCElectricalDesign.com
Florida Board of Professional Engineers #33905

Cory A Glass
2022.03.31
10:37:36
-04'00'
CORY A GLASS P.E. #80467

NOTE:
ALL 15/20 AMP, 125 VOLT OUTLETS LOCATED WITHIN 6" OF ANY SINK ARE REQUIRED TO BE GFCI PROTECTED, PER NEC 210.8 (B)(5).

EXISTING RECEPTACLES NOTE:
EXISTING RECEPTACLES AS SHOWN ON PLAN HAVE BEEN ACCOUNTED FOR AND LOADS HAVE BEEN ADDED INTO THE PANEL SCHEDULE. ELECTRICAL CONTRACTOR SHALL CONFIRM THE ACTUAL CIRCUIT FOR EACH EXISTING RECEPTACLE SO NO RECEPTACLE CIRCUIT HAS MORE THAN (6) RECEPTACLES WHEN ADDING ANY NEW RECEPTACLES ON CIRCUIT. IN ADDITION, NOT ALL EXISTING RECEPTACLES MAY HAVE BEEN DETERMINED AT THIS SITE. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING.

- POWER KEYED NOTES:**
- NEW 120/240V, SINGLE-PHASE, 200A, PANEL "A", MLO, 30CKT, NEMA1.
 - NEW 120/240V, SINGLE-PHASE, 200A, UTILITY APPROVED METER BASE (NEMA3R).
 - NEW 120/240V, SINGLE-PHASE, 200A / 200AF SERVICE ENTRANCE RATED FUSED DISCONNECT (NEMA3R).
 - CONFIRM PHONE / DATE REQUIREMENTS WITH OWNER FOR CABLE TYPES (CAT5E, CAT6, PHONE JACK).

- MECHANICAL POWER KEYED NOTE:**
- NEW AHU-1, DISCONNECT & CONDENSING PUMP RECEPTACLE SHALL BE LOCATED ABOVE CEILING GRID.

- 2020 FBC INTERIOR LIGHTING ALLOWANCE**
- BUILDING TYPE: RETAIL (916 SF)
 - ALLOWANCE: 1.06 w/ft²
 - TOTAL ALLOWANCE INTERIOR LIGHTING = 971W
- (QTY. 4) TYPE "A" AT 11W EACH = 220W
(QTY. 9) TYPE 2x4 "ETR" AT 40W EACH = 60W
(QTY. 1) TYPE BATH FIXTURE "ETR" AT 60W = 60W
(QTY. 2) TYPE "C" AT 60W EACH = 200W
540W

EXISTING LIGHTING NOTE:
ALL BACK-OF-HOUSE LIGHT FIXTURES ARE EXISTING TO REMAIN. ELECTRICAL CONTRACTOR SHALL VERIFY BREAKER SIZES ARE ADEQUATE SINCE EXISTING FIXTURE WATTAGES ARE ASSUMED.

- LIGHTING KEYED NOTES:**
- CONNECT TO NEAREST "CONSTANT HOT" POWER SOURCE. USE LIGHTING CIRCUIT ONLY.
 - "ROOM TO OPERATE IN OCCUPANCY MODE". LIGHTS ARE TO AUTOMATICALLY TURN ON UPON OCCUPANT ENTERING THE SPACE. LIGHTS ARE TO AUTOMATICALLY TURN OFF WITHIN 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT THE SPACE. A CONTROL SHALL BE INCORPORATED TO ALLOW OCCUPANTS TO MANUALLY TURN LIGHTS OFF. PROVIDE AND INSTALL ACUTY BRANDS nPP16 POWER PACK ALONG WITH THE LOW VOLTAGE SWITCH AND CEILING SENSOR SPECIFIED IN THE LIGHTING CONTROL SCHEDULE TO FORM A STANDALONE LIGHTING CONTROL SYSTEM FOR THIS ROOM.
 - Ⓢ TO INDICATE LINE VOLTAGE VACANCY SWITCH. DUAL TECHNOLOGY. RESTROOM MAY BE PROGRAMMED TO OCCUPANCY MODE. RESTROOM E.F. TO TURN ON WITH LIGHTS.
 - EXHAUST FAN CONTROLLED ON/OFF WITH LIGHTS IN RESTROOM VIA OCCUPANCY SENSOR.
MAKE: ACUTY
MODEL: WSX PDT 2P FAN
 - WIRE FOR DUSK TO DAWN OPERATION. 90 MINUTE EMERGENCY FIXTURE ONLY. SEE FIXTURE INSTALL INSTRUCTIONS.

