

A NEW MEDICAL MARIJUANA DISPENSARY INTERIOR TENANT FINISH FOR:

GRD KIRKSVILLE, LLC
201 SE MO-291
LEE'S SUMMIT, MISSOURI 64063

ORIGINAL ISSUE DATE: APRIL 26, 2022

PROJECT TEAM:

OWNER - TENANT:
GRD-KIRKSVILLE, L.L.C. - JAY PATEL

COLUMBIA, MISSOURI 65203

ARCHITECT:
ERIC WESTHUES, ARCHITECT - MO-2016004009
9000 BOATMAN HILL ROAD
COLUMBIA, MISSOURI 65202
P: (573) 424-7064
architect@ericwesthues.com

MEP ENGINEER:
MALICOAT-WINSLOW ENGINEERING
FRED MALICOAT
5649 NORTH CLEARVIEW ROAD
COLUMBIA, MISSOURI 65202
573-875-1300 fredm@mwengrs.com

SCOPE OF WORK SUMMARY:

THE SCOPE OF WORK INCLUDES MINOR INTERIOR ALTERATIONS TO AN EXISTING 2,823 SQUARE FOOT TENANT SPACE WITHIN AN EXISTING NON-SEPARATED MIXED-USE RETAIL BUILDING. FOR A NEW MERCANTILE USE AS A MEDICAL MARIJUANA DISPENSARY. INTERIOR ALTERATIONS INCLUDE, BUT NOT ARE NOT LIMITED TO:

1. SELECTIVE INTERIOR DEMOLITION.
2. A NEW ACCESSIBLE TOILET ROOM.
3. NEW, NON-LOADBEARING METAL STUD FRAMING, DRYWALL & ACOUSTICAL CEILINGS.
4. NEW DOORS, FRAMES AND HARDWARE.
5. NEW CABINETS AND COUNTERTOPS.
6. NEW PAINT, FLOOR & CEILING FINISHES.
7. EXISTING ELECTRICAL PANEL, EXISTING DISTRIBUTION AND EXISTING LIGHTING CIRCUITS TO REMAIN. NEW LIGHT FIXTURES AND MINOR ALTERATIONS TO EXISTING ELECTRICAL DISTRIBUTION
8. NEW PLUMBING SERVICE PIPING, DISTRIBUTION AND FIXTURES FOR A SINGLE NEW ACCESSIBLE TOILET ROOM. ALL OTHER EXISTING PLUMBING TO REMAIN.
9. EXISTING HVAC SYSTEMS TO REMAIN.
10. NEW ELECTRONIC ACCESS CONTROL SYSTEMS.
11. NEW AUDIO/VIDEO SURVEILLANCE SYSTEMS.
12. NEW ALARM SYSTEMS.

TO ACCOMMODATE A NEW 2,823 SQUARE FOOT MEDICAL MARIJUANA DISPENSARY.

PROJECT LOCATION:



PROJECT SITE



DRAWING INDEX:

- G-000 COVER SHEET
G-001 STATE AND LOCAL REGULATIONS
G-002 BUILDING CODE SUMMARY
G-003 RESPONSIBILITY MATRIX
- A-100 FLOOR PLAN & DETAILS
A-200 INTERIOR WALL SECTIONS
A-300 SCHEDULES
A-400 CEILING FRAMING, REFLECTED CEILING PLAN

- M1 PLUMBING PLAN
M2 HVAC PLAN
E1 POWER PLAN
E2 LIGHTING PLAN

4/26/2022

WESTHUES ARCHITECTURE LLC

ERIC WESTHUES, ARCHITECT # MO-2016004009
9000 BOATMAN HILL ROAD COLUMBIA, MO 65202
573 424-7064 eric@ericwesthues.com

ARCHITECTURAL CORPORATION
#20190020035

REVISION	DATE
0	PERMIT SET
1	04/26/2022
2	
3	
4	
5	
PROJECT NUMBER	20-031

GRD KIRKSVILLE, LLC

201 SE MO-291
LEE'S SUMMITT, MO 64063

COVER SHEET

G-000

NOTE: DRAWINGS ARE NOT TO SCALE IF SHEET IS PLOTTED ON 11" x 17"

NOTE: DRAWINGS ARE NOT TO SCALE IF SHEET IS PLOTTED ON 11" x 17"

MISSOURI CONSTITUTION - ARTICLE XIV:
MEDICAL CANNABIS

SECTION 1. RIGHT TO ACCESS MEDICAL MARIJUANA.
THIS SECTION IS INTENDED TO ALLOW FOR THE LIMITED LEGAL PRODUCTION, DISTRIBUTION, SALE AND PURCHASE OF MARIJUANA FOR MEDICAL USE.

SECTION 2. DEFINITIONS.
MEDICAL MARIJUANA DISPENSARY FACILITY: MEANS A FACILITY LICENSED BY THE MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES TO ACQUIRE, STORE, SELL, TRANSPORT, AND DELIVER MARIJUANA, MARIJUANA-INFUSED PRODUCTS, AND DRUG PARAPHERNALIA USED TO ADMINISTER MARIJUANA AS PROVIDED FOR IN THIS SECTION TO A QUALIFYING PATIENT, PRIMARY CAREGIVER, ANOTHER MEDICAL MARIJUANA DISPENSARY FACILITY, A MEDICAL MARIJUANA TESTING FACILITY, OR A MEDICAL MARIJUANA-INFUSED PRODUCTS MANUFACTURING FACILITY.

SECTION 3. CREATING PATIENT ACCESS TO MEDICAL MARIJUANA.
GRANT OR REFUSE STATE LICENSES AND CERTIFICATIONS FOR THE CULTIVATION, MANUFACTURE, DISPENSING, SALE, TESTING, TRACKING, AND TRANSPORTATION OF MARIJUANA FOR MEDICAL USE AS PROVIDED BY LAW; SUSPEND, FINE, RESTRICT, OR REVOKE SUCH LICENSES AND CERTIFICATIONS UPON A VIOLATION OF THIS SECTION OR A RULE PROMULGATED PURSUANT TO THIS SECTION; AND IMPOSE ANY ADMINISTRATIVE PENALTY AUTHORIZED BY THIS SECTION OR ANY RULE PROMULGATED PURSUANT TO THIS SECTION.

SECTION 4. TAXATION AND REPORTING.
A TAX IS LEVIED UPON THE RETAIL SALE OF MARIJUANA FOR MEDICAL USE SOLD AT MEDICAL MARIJUANA DISPENSARY FACILITIES WITHIN THE STATE. FOR ALL RETAIL SALES OF MARIJUANA FOR MEDICAL USE, A RECORD SHALL BE KEPT BY THE SELLER WHICH IDENTIFIES, BY SECURE AND ENCRYPTED PATIENT NUMBER ISSUED BY THE SELLER TO THE QUALIFYING PATIENT INVOLVED IN THE SALE, ALL AMOUNTS AND TYPES OF MARIJUANA INVOLVED IN THE SALE AND THE TOTAL AMOUNT OF MONEY INVOLVED IN THE SALE, INCLUDING ITEMIZATIONS, TAXES COLLECTED AND GRAND TOTAL SALE AMOUNTS.

SECTION 5. ADDITIONAL PATIENT, PHYSICIAN, CAREGIVER AND PROVIDER PROTECTIONS.
ACTIONS AND CONDUCT BY QUALIFYING PATIENTS, PRIMARY CAREGIVERS, MEDICAL MARIJUANA TESTING FACILITIES, MEDICAL MARIJUANA CULTIVATION FACILITIES, MEDICAL MARIJUANA-INFUSED PRODUCTS MANUFACTURING FACILITIES, OR MEDICAL MARIJUANA DISPENSARY FACILITIES LICENSED OR REGISTERED WITH THE DEPARTMENT, OR THEIR EMPLOYEES OR AGENTS, AS PERMITTED BY THIS SECTION AND IN COMPLIANCE WITH DEPARTMENT REGULATIONS AND OTHER STANDARDS OF LEGAL CONDUCT, SHALL NOT BE SUBJECT TO CRIMINAL OR CIVIL LIABILITY OR SANCTIONS UNDER MISSOURI LAW, EXCEPT AS PROVIDED FOR BY THIS SECTION.

SECTION 6. LEGISLATION.
NOTHING IN THIS SECTION SHALL LIMIT THE GENERAL ASSEMBLY FROM ENACTING LAWS CONSISTENT WITH THIS SECTION, OR OTHERWISE EFFECTUATING THE PATIENT RIGHTS OF THIS SECTION. THE LEGISLATURE SHALL NOT ENACT LAWS THAT HINDER THE RIGHT OF QUALIFYING PATIENTS TO ACCESS MARIJUANA FOR MEDICAL USE AS GRANTED BY THIS SECTION.

SECTION 7. ADDITIONAL PROVISIONS.
NO LOCAL GOVERNMENT SHALL PROHIBIT MEDICAL MARIJUANA DISPENSARY FACILITIES THROUGH THE ENACTMENT OF ORDINANCES OR REGULATIONS THAT MAKE THEIR OPERATION UNDULY BURDENSOME IN THE JURISDICTION.

SECTION 8. SEVERABILITY.

SECTION 9. EFFECTIVE DATE.
THE PROVISIONS OF THIS SECTION SHALL BECOME EFFECTIVE ON DECEMBER 6, 2018.

MISSOURI CODE OF STATE REGULATIONS:
19 CSR 30-95.080 - DISPENSARY FACILITY

19 CSR 30-95.080 (2) - DISPENSARY FACILITY REQUIREMENTS. IN ADDITION TO THE REQUIREMENTS OF 19 CSR 30-95.040, DISPENSARY FACILITIES SHALL ALSO COMPLY WITH THE FOLLOWING:

(A) DISPENSARY FACILITIES MUST ENSURE ALL FACILITY EMPLOYEES ARE TRAINED IN AT LEAST THE FOLLOWING:

1. THE USE OF SECURITY MEASURES AND CONTROLS THAT HAVE BEEN ADOPTED BY THE FACILITY FOR THE PREVENTION OF DIVERSION, INVERSION, THEFT, OR LOSS OF MARIJUANA;
2. PROPER USE OF THE STATEWIDE TRACK AND TRACE SYSTEM;
3. PROCEDURES FOR RESPONDING TO AN EMERGENCY, INCLUDING SEVERE WEATHER, FIRE, NATURAL DISASTERS, AND UNAUTHORIZED INTRUSIONS;
4. STANDARDS FOR MAINTAINING THE CONFIDENTIALITY OF INFORMATION RELATED TO THE MEDICAL USE OF MARIJUANA, INCLUDING, BUT NOT LIMITED TO, COMPLIANCE WITH THE HEALTH INSURANCE PORTABILITY AND ACCOUNTABILITY ACT;
5. PROCEDURES FOR VERIFYING THE IDENTITY AND PURCHASE LIMITATIONS OF QUALIFYING PATIENTS AND PRIMARY CAREGIVERS;
6. THE DIFFERENCES IN THE PURPORTED EFFECTS AND EFFECTIVENESS OF THE STRAINS OF MEDICAL MARIJUANA AVAILABLE FOR PURCHASE AT THAT DISPENSARY AND THE METHODS OF THEIR USE; AND
7. RECOGNIZING SIGNS OF MEDICAL MARIJUANA ABUSE IN PATIENTS;

(B) DISPENSARY FACILITIES MUST MAKE AVAILABLE TO ALL CUSTOMERS PATIENT EDUCATION MATERIALS THAT INCLUDE AT LEAST THE FOLLOWING:

1. LOCAL RESOURCES FOR CONCERNS ABOUT ADDICTION, AS WELL AS THE PHONE NUMBER FOR THE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES ADMINISTRATION'S NATIONAL HELPLINE;
2. INFORMATION ABOUT THE DIFFERENT STRAINS OF MEDICAL MARIJUANA AVAILABLE AT THE DISPENSARY AND THE PURPORTED EFFECTS OF THE DIFFERENT STRAINS;
3. INFORMATION ABOUT THE PURPORTED EFFECTIVENESS OF VARIOUS METHODS, FORMS, AND ROUTES OF ADMINISTERING MEDICAL MARIJUANA;
4. INFORMATION ABOUT POTENTIAL RISKS AN DPOSSIBLE SIDE EFFECTS OF MEDICAL MARIJUANA USE, INCLUDING RISK OF POISONING AND THE PHONE NUMBER FOR THE CLOSEST POISON CONTROL CENTER; AND
5. THE PROHIBITION ON CONSUMING MARIJUANA FOR MEDICAL USE IN A PUBLIC SPACE, INCLUDING THE DEFINITION OF WHAT CONSTITUTES A PUBLIC PLACE PURSUANT TO THIS RULE;

(C) DISPENSARY FACILITIES MUST, FOR EVERY TRANSACTION -

1. RECEIVE THE TRANSACTION ORDER AT THE DISPENSARY DIRECTLY FROM THE QUALIFYING PATIENT OR PRIMARY CAREGIVER IN PERSON, BY PHONE,

- OF VIA THE INTERNET, AND NOT FROM A THIRD PARTY;
2. AT THE TIME OF SALE, VERIFY THROUGH THE STATEWIDE TRACK AND TRACE SYSTEM THAT THE QUALIFYING PATIENT OR PRIMARY CAREGIVER IS CURRENTLY AUTHORIZED TO PURCHASE THE AMOUNT OF MEDICAL MARIJUANA REQUESTED AND, IN THE CASE OF A SEED PURCHASE, THAT THE PATIENT OR PRIMARY CAREGIVER IS CURRENTLY AUTHORIZED TO CULTIVATE MARIJUANA;
3. IN THE CASE OF A DELIVERY ORDER, RECEIVE PAYMENT BEFORE THE MEDICAL MARIJUANA LEAVES THE DISPENSARY, SUBJECT TO REFUND IF THE DELIVERY CANNOT BE COMPLETED; AND
4. AT THE TIME OF SALE OR DELIVERY, REQUIRE PRODUCTION OF A QUALIFYING PATIENT OR PRIMARY CAREGIVER IDENTIFICATION CARD, A GOVERNMENT ISSUES PHOTO ID, AND IN THE CASE OF MEDICAL MARIJUANA SEED PURCHASES, A PATIENT CULTIVATION IDENTIFICATION CARD;

(D) DISPENSARY FACILITIES MUST REPORT ANY INCIDENT OF THEFT OR ATTEMPTED THEFT OF MEDICAL MARIJUANA TO THE DEPARTMENT WITHIN TWENTY-FOUR (24) HOURS OF THE INCIDENT;

(E) DISPENSARY FACILITIES MUST DESIGN THEIR FACILITY AND STAFFING IN SUCH A WAY AS TO ACCOMPLISH THE FOLLOWING:

1. THE GENERAL PUBLIC, QUALIFYING PATIENTS, AND PRIMARY CAREGIVERS MAY ONLY ENTER THE FACILITY THROUGH (1) ACCESS POINT INTO AN AREA WHERE FACILITY AGENTS SHALL SCREEN INDIVIDUALS FOR QUALIFYING PATIENT OR PRIMARY CAREGIVER STATUS. NO MEDICAL MARIJUANA MAY BE ACCESSIBLE IN THIS AREA;
2. ONLY QUALIFYING PATIENTS, PRIMARY CAREGIVERS, AND IF REQUESTED BY A QUALIFYING PATIENT, UP TO TWO (2) ADDITIONAL PERSONS TO SUPPORT THE QUALIFYING PATIENT, MAY ENTER ANY AREAS BEYOND THE FACILITY'S ACCESS POINT AREA; AND
3. IN ANY LIMITED ACCESS AREA WHERE MEDICAL MARIJUANA IS ACCESSIBLE, THE FACILITY SHALL ONLY ALLOW ACCESS AT ANY GIVEN TIME FOR A NUMBER OF QUALIFYING PATIENTS AND/OR PRIMARY CAREGIVERS EQUAL TO THE NUMBER OF STAFF AVAILABLE TO SERVE THOSE INDIVIDUALS AT THAT TIME;

(F) DISPENSARY FACILITIES SHALL NOT SELL MEDICAL MARIJUANA UNTIL THE MEDICAL MARIJUANA HAS BEEN TESTED BY A TESTING FACILITY, ACCORDING TO THE PROVISIONS OF 19 CSR 30-95.070, AND BEEN VERIFIED AS PASSING ALL REQUIRED TESTING;

(G) DISPENSARY FACILITIES MAY ONLY TRANSPORT MEDICAL MARIJUANA-

1. TO QUALIFYING PATIENTS, PRIMARY CAREGIVERS, TESTING,

- MANUFACTURING, AND OTHER DISPENSARY FACILITIES; AND
2. IF THE FACILITY COMPLIES WITH THE REQUIREMENTS OF 19 CSR 30-95.100(2);

(H) DISPENSARY FACILITIES THAT SELL INGESTIBLE MEDICAL MARIJUANA-INFUSED PRODUCTS SHALL COMPLY WITH THE APPLICABLE FOOD SAFETY STANDARD SET FORTH IN 19 CSR 20-1.025;

(I) DISPENSARY FACILITIES SHALL STORE ALL MEDICAL MARIJUANA -

1. AT THE APPROVED LOCATION OF THE FACILITY; OR
2. IN OFFSITE WAREHOUSES THAT COMPLY WITH THE SECURITY REQUIREMENTS OF 19 CSR 30-95.040(4)(H), THE LOCATION REQUIREMENTS OF 19 CSR 30-95.040(4)(B), AND THAT HAVE BEEN APPROVED PURSUANT TO 19 CSR 30-95.040(3)(C);

(J) DISPENSARY FACILITIES SHALL ONLY SELL MEDICAL MARIJUANA SEEDS ACQUIRED FROM CULTIVATION FACILITIES;

(K) DISPENSARY FACILITIES SHALL NOT SELL MEDICAL MARIJUANA TO A QUALIFYING PATIENT OR PRIMARY CAREGIVER IN AMOUNTS GREATER THAN WHAT THAT INDIVIDUAL IS CURRENTLY AUTHORIZED TO PURCHASE PER THE STATEWIDE TRACK AND TRACE SYSTEM;

(L) DISPENSARY FACILITIES SHALL NOT SELL MEDICAL MARIJUANA SEEDS TO A QUALIFYING PATIENT OR PRIMARY CAREGIVER WHO IS NOT CURRENTLY AUTHORIZED TO CULTIVATE MEDICAL MARIJUANA;

(M) DISPENSARY FACILITIES MAY ACCEPT RETURNS AND ISSUE REFUNDS OR CREDITS AS NEEDED EXCEPT THAT MEDICAL MARIJUANA THAT HAS BEEN REMOVED FROM PACKAGING IN WHICH IT ARRIVED AT THE DISPENSARY, WHETHER REMOVED BEFORE SALE BY THE DISPENSARY OR AFTER SALE BY A PATIENT OR CAREGIVER, MAY NOT BE ACCEPTED AS A RETURN;

(N) DISPENSARY FACILITIES SHALL NOT DISBURSE MEDICAL MARIJUANA AS PART OF A PROMOTIONAL EVENT. IF A FACILITY DISBURSES MEDICAL MARIJUANA FREE OF CHARGE FOR ANY OTHER REASON, THE FACILITY SHALL RECORD THAT DISBURSEMENT OF PRODUCT IN ITS SEED-TO-SALE SYSTEM WITH ALL RELEVANT ENTRIES, INCLUDING QUALIFYING PATIENT OR PRIMARY CAREGIVER INFORMATION AND THE AMOUNT OF MEDICAL MARIJUANA DISBURSED TO THAT QUALIFYING PATIENT OR PRIMARY CAREGIVER;

(O) DISPENSARY FACILITIES SHALL NOT ALLOW CONSUMPTION OF MEDICAL MARIJUANA ON THEIR LICENSED PREMISES; AND

(P) DISPENSARY FACILITIES SHALL NOT ALLOW PHYSICIANS TO MEET WITH INDIVIDUALS ON THE DISPENSARY'S PREMISES FRO THE PURPOSE OF CERTIFYING THEM AS QUALIFYING PATIENTS.



4/26/2022

WESTHUES ARCHITECTURE, LLC

ERIC WESTHUES, ARCHITECT # MO-2016004009
9000 BOATMAN HILL ROAD COLUMBIA, MO 65202
573 424-7064 eric@eriewesthues.com

ARCHITECTURAL CORPORATION
#2019020035

REVISION		DATE
0	PERMIT SET	04/26/2022
1		
2		
3		
4		
5		
PROJECT NUMBER		20-031

GRD KIRKSVILLE, LLC

201 SE MO-291

LEE'S SUMMITT, MO 64063

STATE & LOCAL
REGULATIONS

G-001

2018 INTERNATIONAL BUILDING CODE - SUMMARY

JURISDICTION: LEE'S SUMMIT, MISSOURI BUILDING CODE:
REFERENCED CODES INCLUDE:
2018 INTERNATIONAL BUILDING CODE,
2018 INTERNATIONAL PLUMBING CODE,
2018 INTERNATIONAL MECHANICAL CODE,
2018 INTERNATIONAL FUEL GAS CODE,
2018 INTERNATIONAL EXISTING BUILDING CODE,
2018 INTERNATIONAL ENERGY CONSERVATION CODE, AND
2017 NATIONAL ELECTRICAL CODE.

DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: (SECTION 107.3.4)
ERIC P. WESTHUES, ARCHITECT - MO-2016004009
9000 BOATMAN HILL ROAD
COLUMBIA, MO 65202
(573) 424-7064

USE & OCCUPANCY CLASSIFICATION:
(M) MERCANTILE USE GROUP

BUILDING HEIGHT & NUMBER OF STORIES: (SECTION 504)
TABLE 504.3: USE GROUP - M, FULLY-SPRINKLERED, TYPE II-B
ALLOWABLE BUILDING HEIGHT: 75 FEET
ACTUAL BUILDING HEIGHT: 20'-0"
TABLE 504.4: USE GROUPS - M, FULLY-SPRINKLERED, TYPE II-B
ALLOWABLE NUMBER OF STORIES: 3 STORIES
ACTUAL NUMBER OF STORIES: 1 STORY

BUILDING AREA: (SECTION 506)
TABLE 506.2: ALLOWABLE AREA - GROUP M, FULLY-SPRINKLERED, TYPE II-B
ALLOWABLE AREA: 50,000 SF
ACTUAL BUILDING AREA: 18,000 SF
ACTUAL TENANT SPACE = 2,823 SF

BUILDING TYPE OF CONSTRUCTION:
THE EXISTING BUILDING IS A CONVENTIONAL STEEL BUILDING OF TYPE II-B CONSTRUCTION. THE INTERIOR NON-LOADBEARING FRAMING WILL BE TYPE II-B, NON-COMBUSTIBLE MATERIALS.

ALL HEIGHT AND AREA CALCULATIONS ARE BASED ON THE TYPE II-B - NONCOMBUSTIBLE, UNPROTECTED TYPE OF CONSTRUCTION.

BUILDING SHELL
CONSTRUCTION TYPE II-B, COMBUSTIBLE UNPROTECTED
PRIMARY STRUCTURE CONSISTS OF PRE-ENGINEERED STEEL STRUCTURE, STRUCTURAL STEEL FRAME, STRUCTURAL STEEL BAR JOISTS, STRUCTURAL METAL DECK ROOF PANELS.

BUILDING INTERIOR
CONCRETE SLAB-ON-GRADE, CONVENTIONAL LIGHT-FRAME CONSTRUCTION

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS: 0 HOURS
FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS, BASED ON SEPARATION DISTANCE FROM PROPERTY LINE: 0 HOURS

FIRE AND SMOKE PROTECTION: (CHAPTER 7)
USE GROUPS M, CONSTRUCTION TYPE II-B, NON-SPRINKLERED:

NO FIRE-RESISTANCE RATED FIRE WALLS, SMOKE BARRIERS, SMOKE PARTITIONS, OR HORIZONTAL ASSEMBLIES ARE REQUIRED FOR THIS OCCUPANCY.

CORRIDOR WALL FIRE-RESISTANCE RATING REQUIREMENT: 0 HOURS

INTERIOR FINISHES: (CHAPTER 8)
EXIT ENCLOSURES: CLASS A - (FLAME SPREAD 0-25, SMOKE DEVELOPED 0-450)
CORRIDORS: CLASS B - (FLAME SPREAD 26-75, SMOKE DEVELOPED 0-450)
ROOMS & ENCLOSED SPACES: CLASS C (FLAME SPREAD 76-200, SMOKE DEVELOPED (0-450)

FIRE PROTECTION SYSTEM: (CHAPTER 9)
AN AUTOMATIC SPRINKLER SYSTEM IS EXISTING - MODIFY HEAD PLACEMENT AS REQUIRED

MEANS OF EGRESS: (CHAPTER 10)
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT (TABLE 1004.1.2)
REFER TO OCCUPANT LOAD & EGRESS PLAN, SHEET G-002.
OCCUPANT LOADS:

EXIT #1: 26 OCCUPANTS
EXIT #2: 22 OCCUPANTS

DESIGN OCCUPANT LOAD = 48 OCCUPANTS

EGRESS:
MERCANTILE: 48 OCCUPANTS - (2) EXITS REQUIRED, (2) EXITS PROVIDED

EXIT ACCESS TRAVEL DISTANCE ALLOWED = 250', ACTUAL = 90'

ACCESSIBILITY: (CHAPTER 11)
1101.2 DESIGN: BUILDINGS AND FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE IN ACCORDANCE WITH THIS CODE AND ICC A117.1.

1103.1 WHERE REQUIRED: SITES, BUILDINGS, STRUCTURES, FACILITIES, ELEMENTS AND SPACES, TEMPORARY OR PERMANENT, SHALL BE ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES.

1104 ACCESSIBLE ROUTE: AT LEAST ONE ACCESSIBLE ROUTE WITHIN THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING, ACCESSIBLE PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE SERVED.

1104.3.1 EMPLOYEE WORK AREAS: COMMON USE CIRCULATION PATHS WITHIN EMPLOYEE WORK AREAS SHALL BE ACCESSIBLE ROUTES.

1105 ACCESSIBLE ENTRANCES: ALL ENTRANCES SHALL BE ACCESSIBLE.

1106 PARKING AND PASSENGER LOADING FACILITIES: WHERE PARKING IS PROVIDED, ACCESSIBLE PARKING SPACES SHALL BE PROVIDED IN COMPLIANCE WITH IBC TABLE 1106.4. (1 TO 25 PARKING SPACES = 1 ACCESSIBLE PARKING SPACE) (26 TO 50 PARKING SPACES = 2 ACCESSIBLE PARKING SPACES).

1109.2 TOILET FACILITIES: EACH TOILET ROOM SHALL BE ACCESSIBLE.

1109.11 SEATING AT TABLES, COUNTERS AND WORK SURFACES: WHERE SEATING OR STANDING SPACE AT FIXED OR BUILT-IN TABLES, COUNTERS OR WORK SURFACES IS PROVIDED IN ACCESSIBLE SPACES, AT LEAST 5 PERCENT OF THE SEATING AND STANDING SPACES, BUT NOT LESS THAN ONE, SHALL BE ACCESSIBLE.

1109.12.3 POINT OF SALE AND SERVICE COUNTERS: WHERE COUNTERS ARE PROVIDED FOR SALES OR DISTRIBUTION OF GOODS OR SERVICES, AT LEAST ONE OF EACH TYPE PROVIDED SHALL BE ACCESSIBLE.

1109.13 CONTROLS, OPERATING MECHANISMS AND HARDWARE: CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPERATION BY THE OCCUPANT, INCLUDING SWITCHES THAT CONTROL LIGHTING AND VENTILATION AND ELECTRICAL CONVENIENCE OUTLETS, IN ACCESSIBLE SPACES, ALONG ACCESSIBLE ROUTES OR AS PARTS OF ACCESSIBLE ELEMENTS SHALL BE ACCESSIBLE.

1111 SIGNAGE: REQUIRED ACCESSIBLE ELEMENTS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AT THE FOLLOWING LOCATIONS:
1. ACCESSIBLE PARKING SPACES
2. ACCESSIBLE PASSENGER LOADING ZONES
3. ACCESSIBLE ENTRANCES
4. ACCESSIBLE TOILET ROOMS
5. ACCESSIBLE POINT OF SALE LOCATIONS

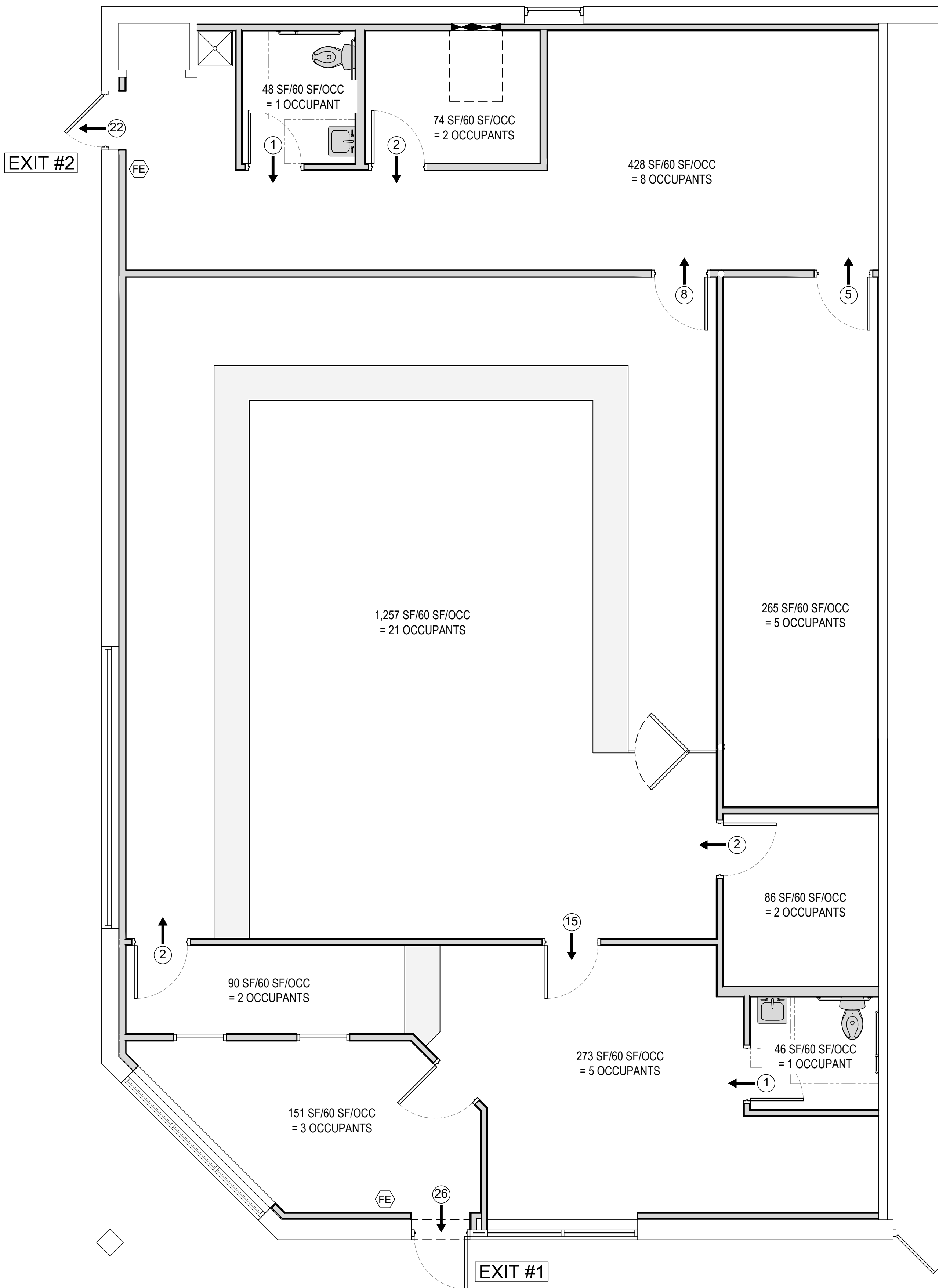
INTERIOR ENVIRONMENT: (CHAPTER 12)
1204 TEMPERATURE CONTROL: INTERIOR SPACES INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH ACTIVE OR PASSIVE SPACE HEATING SYSTEMS CAPABLE OF MAINTAINING AN INDOOR TEMPERATURE OF NOT LESS THAN 68°F AT A POINT 3 FEET ABOVE THE FLOOR ON THE DESIGN HEATING DAY.

1205 LIGHTING: EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH ARTIFICIAL LIGHT IN ACCORDANCE WITH SECTION 1205.3. ARTIFICIAL LIGHT SHALL BE PROVIDED THAT IT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 10 FOOTCANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL.

1210 TOILET REQUIREMENTS:
1210.1 - REQUIRED FIXTURES: THE NUMBER AND TYPE OF PLUMBING FIXTURES PROVIDED IN ANY OCCUPANCY SHALL COMPLY WITH IBC CHAPTER 29.
1210.2 - FINISH MATERIALS:
1210.2.1 FLOORS AND WALL BASES: TOILET ROOM FLOOR FINISH MATERIALS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE. THE INTERSECTIONS OF SUCH FLOORS WITH WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBENT VERTICAL BASE THAT EXTENDS UPWARD ONTO THE WALLS NOT LESS THAN 4 INCHES.
1210.2.2 WALLS AND PARTITIONS: WALLS AND PARTITIONS WITHIN 2 FEET OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF NOT LESS THAN 4 FEET ABOVE THE FLOOR, AND THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.

ENERGY EFFICIENCY: (CHAPTER 13)
BUILDINGS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE INTERNATIONAL ENERGY CONSERVATION CODE.

PLUMBING FIXTURES:
WATER CLOSETS REQUIRED: 2, PROVIDED = 2
LAVATORIES REQUIRED: 2, PROVIDED = 2
DRINKING FOUNTAINS REQUIRED: BOTTLED WATER PROVIDED
SERVICE SINKS REQUIRED: 1, PROVIDED = 1



1
G002

OCCUPANCY & EGRESS PLAN
SCALE: 1/4" = 1'-0"

PLAN SYMBOLS
FE FIRE EXTINGUISHER, 15# - A,B,C
OCCUPANT LOAD & DIRECTION OF EGRESS



4/26/2022

WESTHUES ARCHITECTURE LLC
ERIC WESTHUES, ARCHITECT # MO-2016004009
9000 BOATMAN HILL ROAD COLUMBIA, MO 65202
573 424-7064 eric@ericwesthues.com
ARCHITECTURAL CORPORATION
#2019020035

REVISION	DATE
0 PERMIT SET	04/26/2022
1	
2	
3	
4	
5	

PROJECT NUMBER	20-031
----------------	--------

GRD KIRKSVILLE, LLC

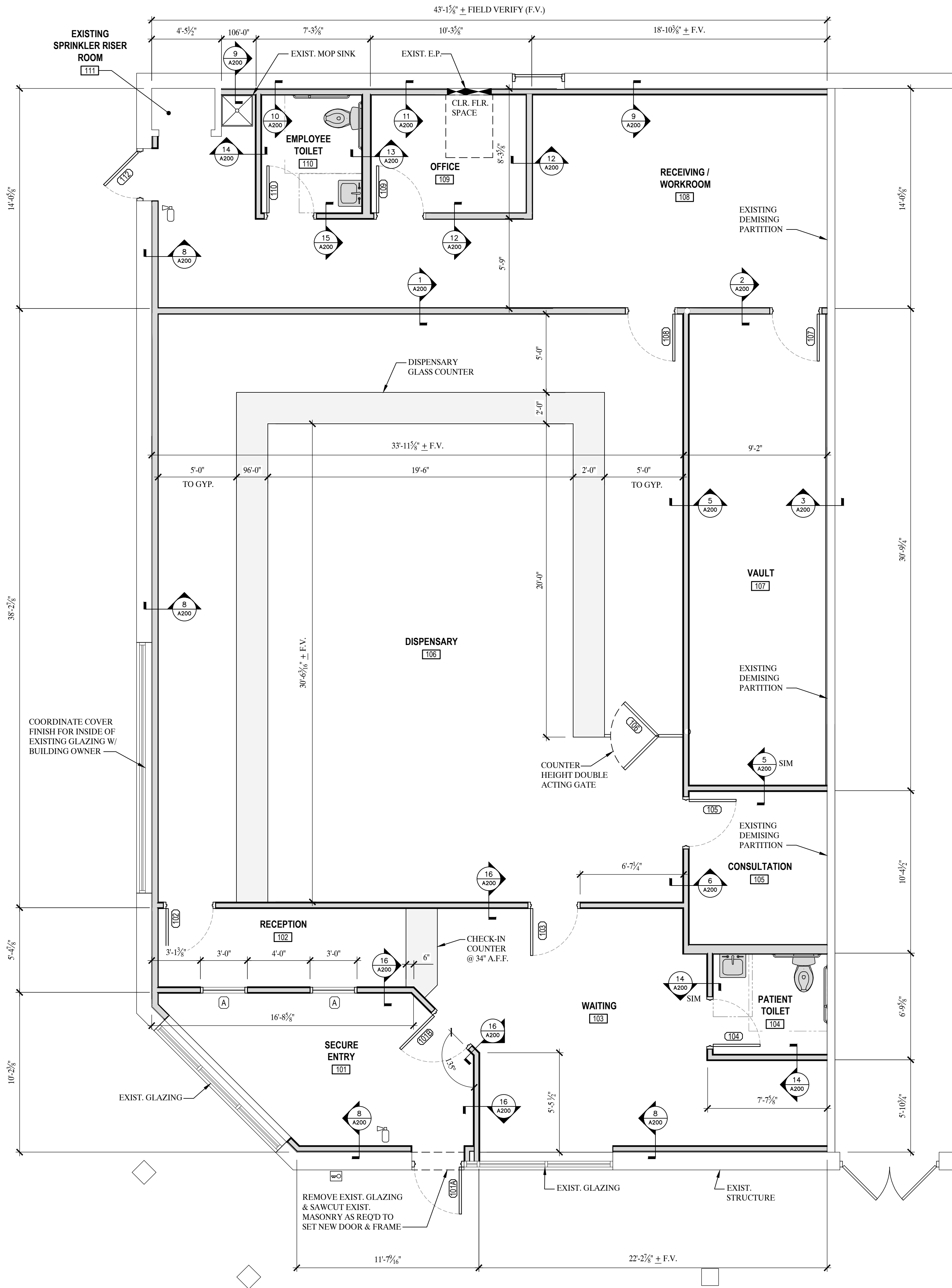
201 SE MO-291
LEE'S SUMMITT, MO 64063

BUILDING
CODE
SUMMARY

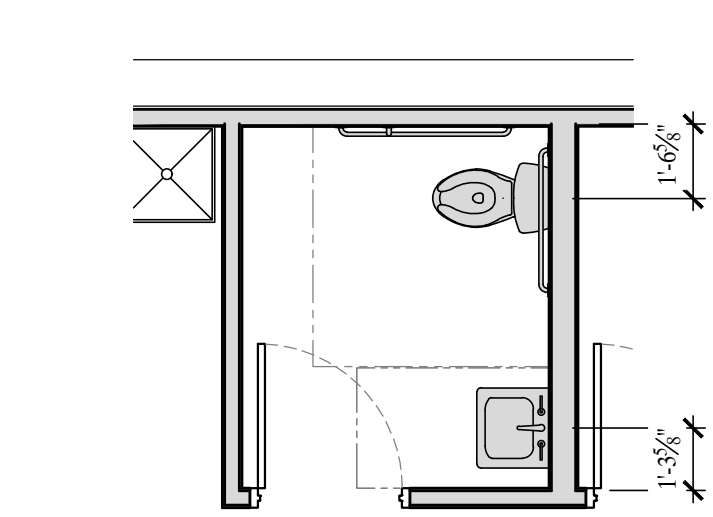
G-002

NOTE: DRAWINGS ARE NOT TO SCALE IF SHEET IS PLOTTED ON 11" x 17"

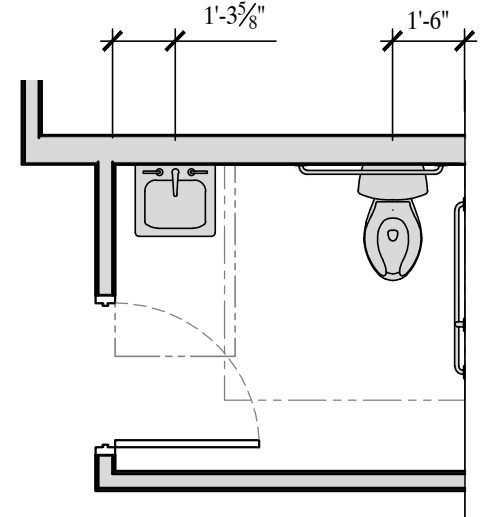
NOTE: DRAWINGS ARE NOT TO SCALE IF SHEET IS PLOTTED ON 11" x 17"



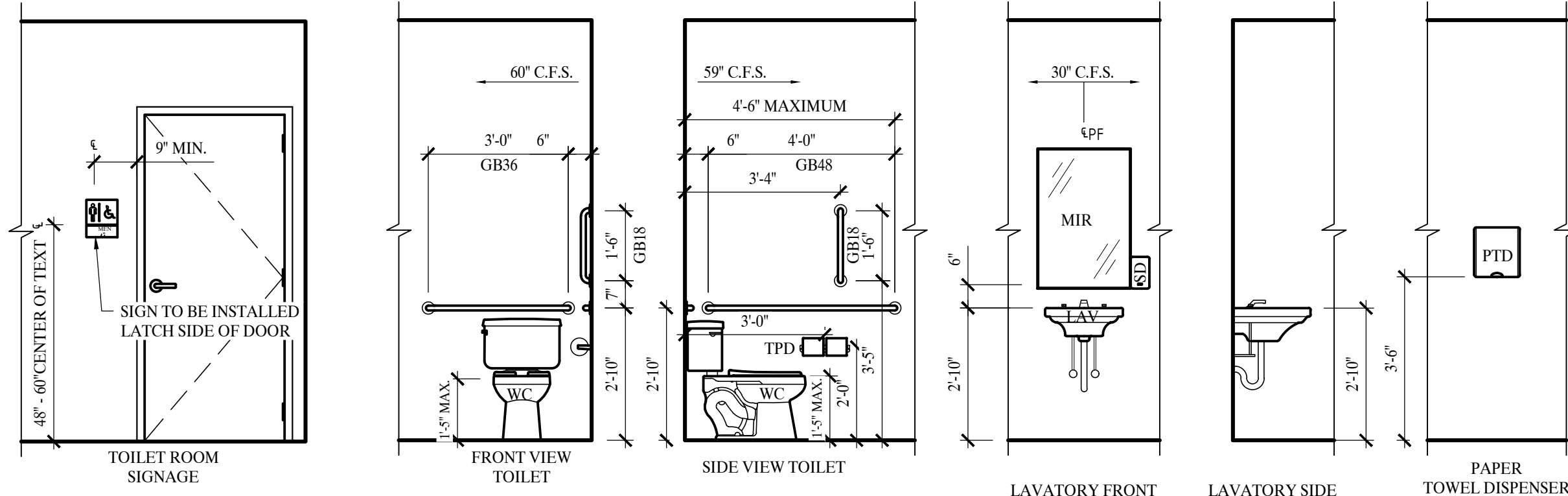
16
A100
RENOVATION FLOOR PLAN
SCALE: 1/4" = 1'-0"



3
A100
**EMPLOYEE RESTROOM
ENLARGED PLAN**
SCALE: 3/8" = 1'-0"



4
A100
**PATIENT RESTROOM
ENLARGED PLAN**
SCALE: 3/8" = 1'-0"



C.F.S. = CLEAR FLOOR SPACE, NO OTHER FIXTURES CAN OVERLAP

TOILET FIXTURE & ACCESSORY LIST:
WC - TANK TYPE TOILET
LAV - WALL HUNG CHINA LAVATORY
GB18 - STAINLESS STEEL GRAB BAR 18" x 1 1/2"
GB36 - STAINLESS STEEL GRAB BAR 36" x 1 1/2"
GB48 - STAINLESS STEEL GRAB BAR 48" x 1 1/2"
TPD - WALL MOUNT DOUBLE TOILET TISSUE DISPENSER

SD - WALL MOUNT SOAP DISPENSER - MOUNTED NEXT TO MIRROR
PTD - PAPER TOWEL DISPENSER - MOUNTED 42" AFF
MIR - 24x36 MIRROR
URL - URINAL RIM @ 15" AFF
PAR - LAMINATE TOILET PARTITION
DCS - DIAPER CHANGING STATION

9
A100
INTERIOR ELEVATIONS
SCALE: 3/8" = 1'-0"

- SYMBOL LEGEND**
- WINDOW TAG
 - DOOR TAG
 - WALL TYPE TAG
 - FIRE EXTINGUISHER - WALL MOUNTED 5LB ABC TYPE
 - KNOX BOX - MOUNTED 48" ABOVE FINISHED GRADE

88
AXX
MAJOR TITLE
SCALE: 1/4" = 1'-0"

88
MINOR TITLE

PRELIMINARY
DRAWING NOT
FOR BIDDING OR
CONSTRUCTION

WESTHUES ARCHITECTURE LLC
ERIC WESTHUES, ARCHITECT # MO-2016004009
9000 BOATMAN HILL ROAD COLUMBIA, MO 65202
573 424-7064 eric@ericwesthues.com

REVISION	DATE
0 PERMIT SET	04/26/2022
1	
2	
3	
4	
5	

PROJECT NUMBER **20-031**

GRD KIRKSVILLE, LLC
201 SE MO-291
LEE'S SUMMITT, MO 64063

**FLOOR PLAN,
INT.
ELEVATIONS**

A-100

WESTHUES ARCHITECTURE
ERIC WESTHUES, ARCHITECT # MO-2016004009 ARCHITECTURAL CORPORATION
9000 BOATMAN HILL ROAD COLUMBIA, MO 65202 #2019020035
573 424-7064 eric@ericwesthues.com

GRD KIRKSVILLE, LLC

**201 SE MO-291
LEE'S SUMMITT, MO 64063**

INTERIOR WALL SECTIONS

A-200



NOTE: DRAWINGS ARE NOT TO SCALE IF SHEET IS PLOTTED ON 11" x 17"

NOTE: DRAWINGS ARE NOT TO SCALE IF SHEET IS PLOTTED ON 11" x 17"

DOOR SCHEDULE																										
DOOR NUMBER	DOOR TYPE	FRAME TYPE	DOOR SIZE			DOOR			FRAME			HARDWARE					OPTIONAL HARDWARE						REMARKS			
			WIDTH (INCHES)	HEIGHT (INCHES)	THICKNESS (INCHES)	MATERIAL	FINISH	ACTION	MATERIAL	FINISH	JAMB THICKNESS (INCHES)	HINGES	LOCKSET OPERATOR	DOOR STOP	CLOSER	ELECTRIC STRIKE	WEATHER STRIPPING	THRESHOLD	DOOR VIEWER							
101A	A - INSULATED ALUMINUM DOOR AND FULL LITE	A - ALUMINUM STOREFRONT	36	84	1 3/4	AL-1	DB-1	RHR	AL-1	DB-1	4 1/2	1H1	PULL HANDLE, RIM CYLINDER/RIM PANIC (FIRST CHOICE - MODEL 3790)					-	LCN 1460	HES-4500	WS-1	TH-5	-	NEW DOOR & FRAME		
101B	B - INSULATED HOLLOW METAL DOOR AND NARROW LITE	B - 18 GA WELDED METAL FRAME	36	84	1 3/4	IM-1	P-1	LHR	HM-1	P-1	4 7/8	1H1	SCHLAGE ND80PD-F86-SATIN 626					-	LCN 1460	HES-4500	-	-	-	NEW DOOR & FRAME		
102	C - INSULATED HOLLOW METAL DOOR AND NARROW LITE	B - 18 GA WELDED METAL FRAME	36	84	1 3/4	IM-1	P-1	LHR	HM-1	P-1	4 7/8	1H1	SCHLAGE ND80PD-F86-SATIN 626					DS-2	LCN 1460	HES-4500	-	-	-	NEW DOOR & FRAME		
103	C - INSULATED HOLLOW METAL DOOR AND NARROW LITE	B - 18 GA WELDED METAL FRAME	36	84	1 3/4	IM-1	P-1	LHR	HM-1	P-1	4 7/8	1H1	SCHLAGE ND80PD-F86-SATIN 626					-	LCN 1460	HES-4500	-	-	-	NEW DOOR & FRAME		
104	C - INSULATED HOLLOW METAL DOOR	B - 18 GA WELDED METAL FRAME	36	84	1 3/4	IM-1	P-1	RH	HM-1	P-1	4 7/8	1H1	SCHLAGE ND80PD-F86-SATIN 626					DS-2	LCN 1460	HES-4500	-	-	-	NEW DOOR & FRAME		
105	C - INSULATED HOLLOW METAL DOOR AND NARROW LITE	B - 18 GA WELDED METAL FRAME	36	84	1 3/4	IM-1	P-1	LH	HM-1	P-1	4 7/8	1H1	SCHLAGE ND80PD-F86-SATIN 626					DS-2	LCN 1460	-	-	-	-	NEW DOOR & FRAME		
106	D - DIA WOOD GATE		36	36	1 3/4			LH/RH												-	-	-	-	-	NEW DOOR & FRAME	
107	C - INSULATED HOLLOW METAL DOOR, 14 GAUGE	B - 12 GA WELDED METAL FRAME	36	84	1 3/4	IM-1	P-1	LH	HM-1	P-1	4 7/8	1H1	SCHLAGE ND80PD-F86-SATIN 626					DS-2	LCN 1460	HES-4500	-	-	-	-	NEW DOOR & FRAME	
108	C - INSULATED HOLLOW METAL DOOR AND NARROW LITE	B - 18 GA WELDED METAL FRAME	36	84	1 3/4	IM-1	P-1	LH	HM-1	P-1	4 7/8	1H1	SCHLAGE ND80PD-F86-SATIN 626					DS-2	LCN 1460	-	-	-	-	-	NEW DOOR & FRAME	
109	C - INSULATED HOLLOW METAL DOOR	B - 18 GA WELDED METAL FRAME	36	84	1 3/4	IM-1	P-1	LH	HM-1	P-1	4 7/8	1H1	SCHLAGE ND80PD-F86-SATIN 626					DS-2	LCN 1460	-	-	-	-	-	NEW DOOR & FRAME	
110	C - INSULATED HOLLOW METAL DOOR	B - 18 GA WELDED METAL FRAME	36	84	1 3/4	IM-1	P-1	LH	HM-1	P-1	4 7/8	1H1	SCHLAGE ND80PD-F86-SATIN 626					DS-2	LCN 1460	-	-	-	-	-	NEW DOOR & FRAME	
111	NOT USED																			-	-	-	-	-	-	NOT USED
112	C - INSULATED HOLLOW METAL DOOR, 14 GAUGE	B - 12 GA WELDED METAL FRAME	36	84	1 3/4	IM-1	P-1	LHR	HM-1	P-1	4 7/8	1H1	SCHLAGE ND80PD-F86-SATIN 626					DS-2	LCN 1460	HES-4500	WS-1	TH-5	-	-	NEW DOOR & FRAME	
ABBREVIATIONS																										
GENERAL:						FINISH:						OPTIONAL HARDWARE:														
RH: RIGHT HAND						P-1: PRE-FINISHED BY MANUFACTURER						DS-2: FLOOR MOUNTED DOME STOP														
LHR: LEFT HAND REVERSE						(COLOR BY OWNER/TENANT)						ROCKWOOD 441CU (FINISH US260)														
RHR: RIGHT HAND REVERSE						P-2: PAINT (COLOR BY OWNER/TENANT)						C-1: CLOSER "LCN 1460 SERIES" (FINISH ALUMINUM)														
MATERIAL:						DB-1: ANODIZED DARK BRONZE FINISH						TH-5: 5" SADDLE THRESHOLD "PEMCO 171D"														
WD-1: SOLID CORE LAMINATE WOOD DOOR						HARDWARE:																				
HM-1: 18 GAUGE HOLLOW METAL WELDED FRAME						1H1: 1-1/2 PAIR OF FULL MORTISE TEMPLATE BALL BEARING																				
IM-1: 18 GAUGE INSULATED METAL DOOR						STANDARD WEIGHT 4-1/2"x4-1/2" HINGES, "PBB 4B51"																				
AL-1: ALUMINUM STOREFRONT SERIES 300						STAINLESS STEEL SATIN FINISH																				
THERMAL MULTIPLANE CENTER SET						BB-1: BATH/BEDROOM PRIVACY LOCK "AL40S-F76-SATIN-626"																				
						SR-1: SCHLAGE STOREROOM LOCK "ND80PD-F86-SATIN-626"																				
						WS-1: PERIMETER GASKETING SURFACE APPLIED GASKETING																				

ROOM FINISH SCHEDULE																	NOTES:
ROOM		FLOOR FINISH		WALL BASE	WALL FINISH								CEILING				
NUMBER / FLOOR	NAME	SUBSTRATE	FINISH		NORTH		EAST		SOUTH		WEST		SUBSTRATE	FINISH	HEIGHT A.F.F.		
					SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH					
FIRST FLOOR																	
101	SECURE ENTRY VESTIBULE	CONCRETE	TILE -1	WB-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	STRUCT. STEEL	EXP-1			
102	RECEPTION	CONCRETE	TILE -1	WB-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	STRUCT. STEEL	EXP-1			
103	PATIENT WAITING ROOM	CONCRETE	TILE -1	WB-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	STRUCT. STEEL	EXP-1			
104	PATIENT TOILET	CONCRETE	TILE -1	WB-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	6" MTL. STUDS	GB-1	8'-0"		
105	CONSULTATION	CONCRETE	TILE -1	WB-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	STRUCT. STEEL	ACT-1	9'-0"		
106	DISPENSARY	CONCRETE	TILE -1	WB-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	STRUCT. STEEL	EXP-1			
107	VAULT	CONCRETE	TILE -1	WB-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	6" MTL. STUDS	GB-1	10'-0"		
108	RECEIVING / WORKROOM	CONCRETE	TILE -1	WB-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	STRUCT. STEEL	EXP-1			
109	OFFICE	CONCRETE	TILE -1	WB-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	STRUCT. STEEL	ACT-1	9'-0"		
110	EMPLOYEE TOILET	CONCRETE	TILE -1	WB-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	GYP. BOARD	PT-1	6" MTL. STUDS	GB-1	8'-0"		

ABBREVIATIONS

FLOOR FINISHES:

TILE-1: EXISTING CERAMIC/PORCELAIN TILE - OR MATCH EXISTING CERAMIC/PORCELAIN TILE - AS SELECTED BY OWNER

BASE FINISHES:

WB-1: 4" RUBBER COVE BASE (COLOR SELECTED BY OWNER)

WALL FINISHES:

PT-1: INTERIOR LATEX ENAMEL PAINT OVER LATEX PVA PRIMER (VINYL ACRYLIC WATER-BASED PRIMER) (EGGSHELL FINISH, COLOR SELECTED BY OWNER)

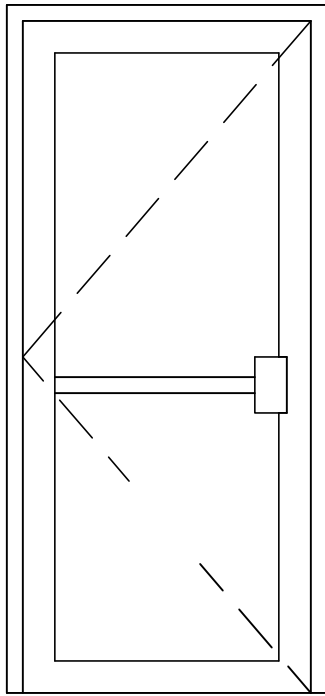
CEILING FINISHES:

GB-1: GYPSUM WALLBOARD (JOINTS FILLED AND SANDED SMOOTH TO RECEIVE PAINT)

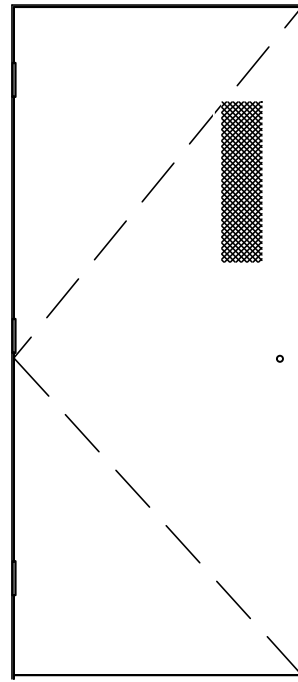
ACT-1: 2x2' ACOUSTICAL LAY-IN TILE CEILING (COLOR, TEXTURE, GRID COLOR AND STYLE SELECTED BY OWNER)

EXP-1: EXPOSED STRUCTURE (NO CEILING SYSTEM OR FINISH)

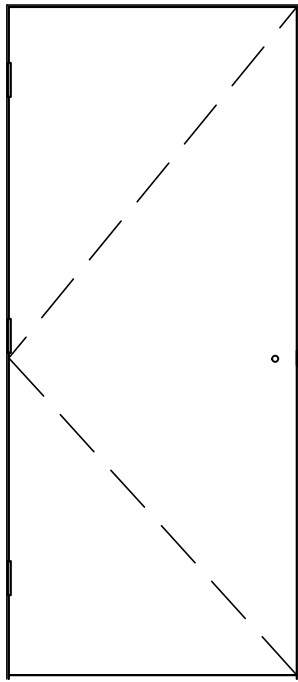
DOOR TYPES



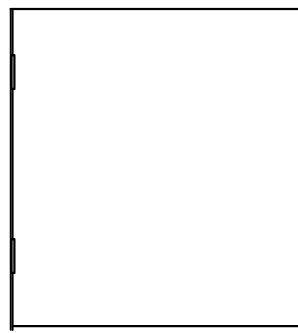
A
FULL LITE
INSULATED
ALUMINUM DOOR &
FRAME
DARK BRONZE
ANNOIDIZED



B
NARROW LITE,
HOLLOW METAL
INSULATED DOOR



C
FLUSH, HOLLOW
METAL INSULATED
DOOR



D
FLUSH WOOD
GATE

PRELIMINARY
DRAWING NOT
FOR BIDDING OR
CONSTRUCTION

WESTHUES ARCHITECTURE, LLC

ERIC WESTHUES, ARCHITECT # MO-2016004009
9000 BOATMAN HILL ROAD COLUMBIA, MO 65202
573 424-7064 eric@ericwesthues.com

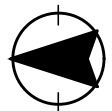
REVISION	DATE	
	PERMIT SET	
0	04/26/2022	
1		
2		
3		
4		
5		

GRD KIRKSVILLE, LLC	201 SE MO-291 LEE'S SUMMITT, MO 64063	PROJECT NUMBER	20-031

SCHEDULES

A-300

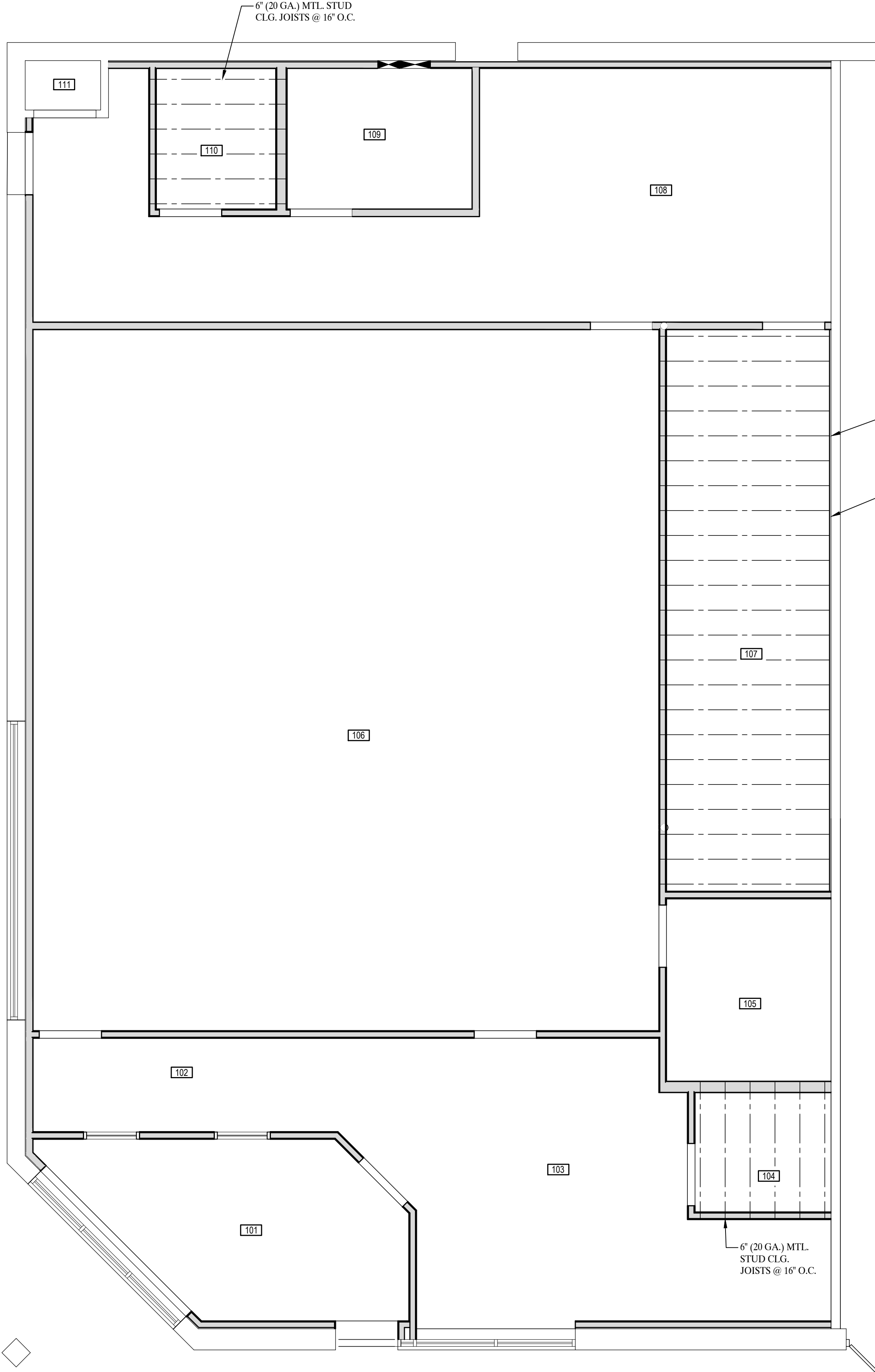
NOTE: DRAWINGS ARE NOT TO SCALE IF SHEET IS PLOTTED ON 11" x 17"



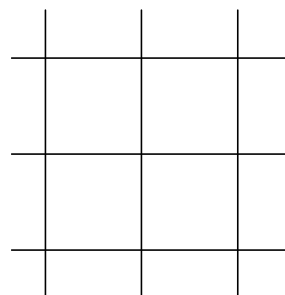
16
A400

CEILING FRAMING PLAN

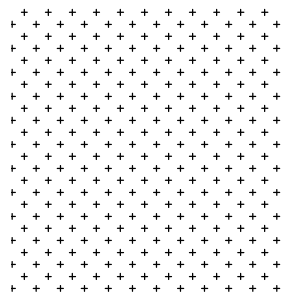
SCALE: 1/4" = 1'-0"



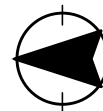
CEILING TYPE LEGEND



2x2 ACOUSTICAL CEILING
TILE & GRID



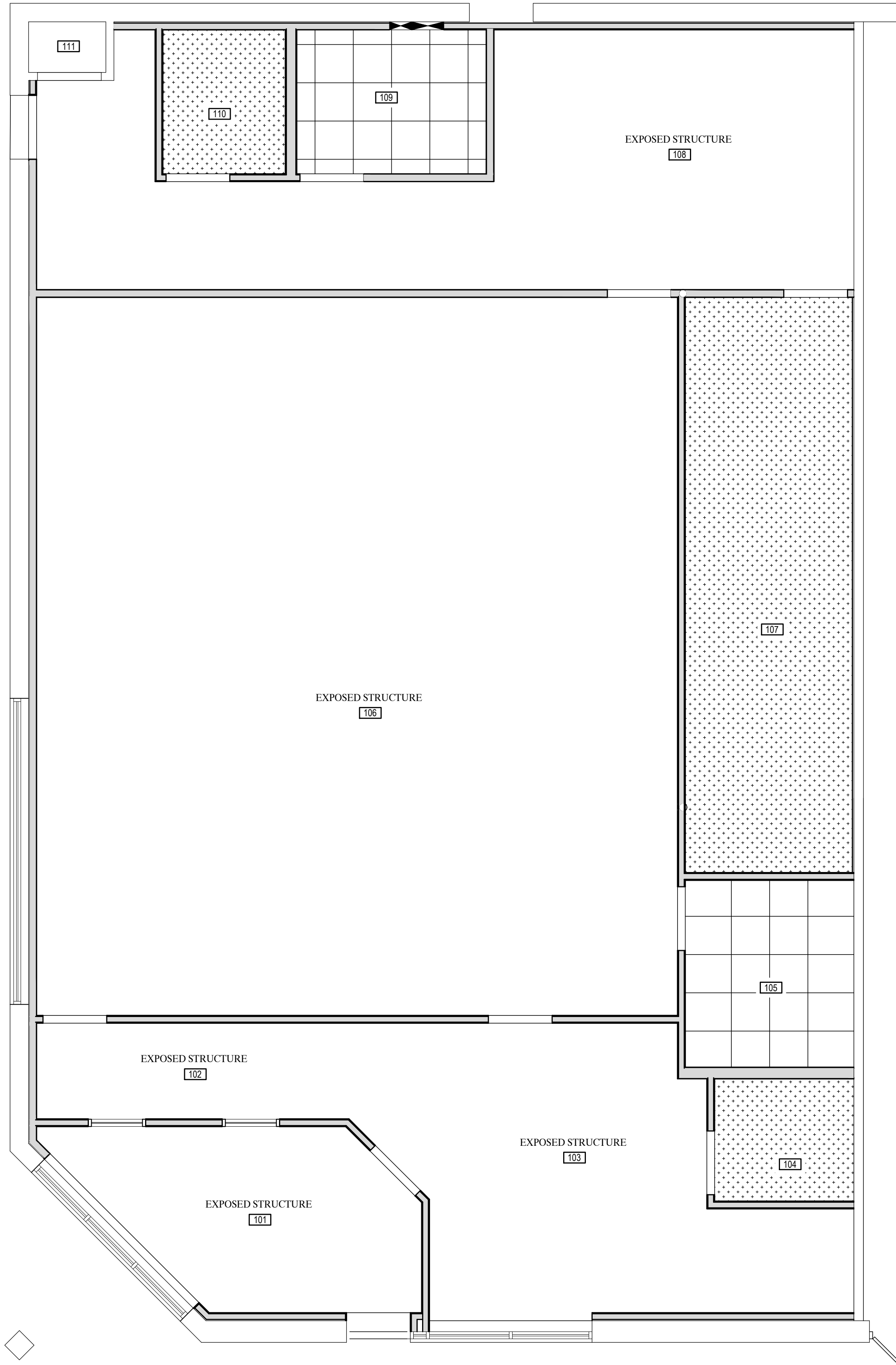
PAINTED GYPSUM CEILING
WITH KNOCK-DOWN TEXTURE



18
A400

REFLECED CEILING PLAN

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



PRELIMINARY
DRAWING NOT
FOR BIDDING OR
CONSTRUCTION

WESTHUES ARCHITECTURE LLC

ERIC WESTHUES, ARCHITECT # MO-2016004009 ARCHITECTURAL CORPORATION
9000 BOATMAN HILL ROAD COLUMBIA, MO 65202
573 424-7064 eric@ericwesthues.com #2019020035

REVISION	DATE
0 PERMIT SET	04/26/2022
1	
2	
3	
4	
5	

PROJECT NUMBER 20-031

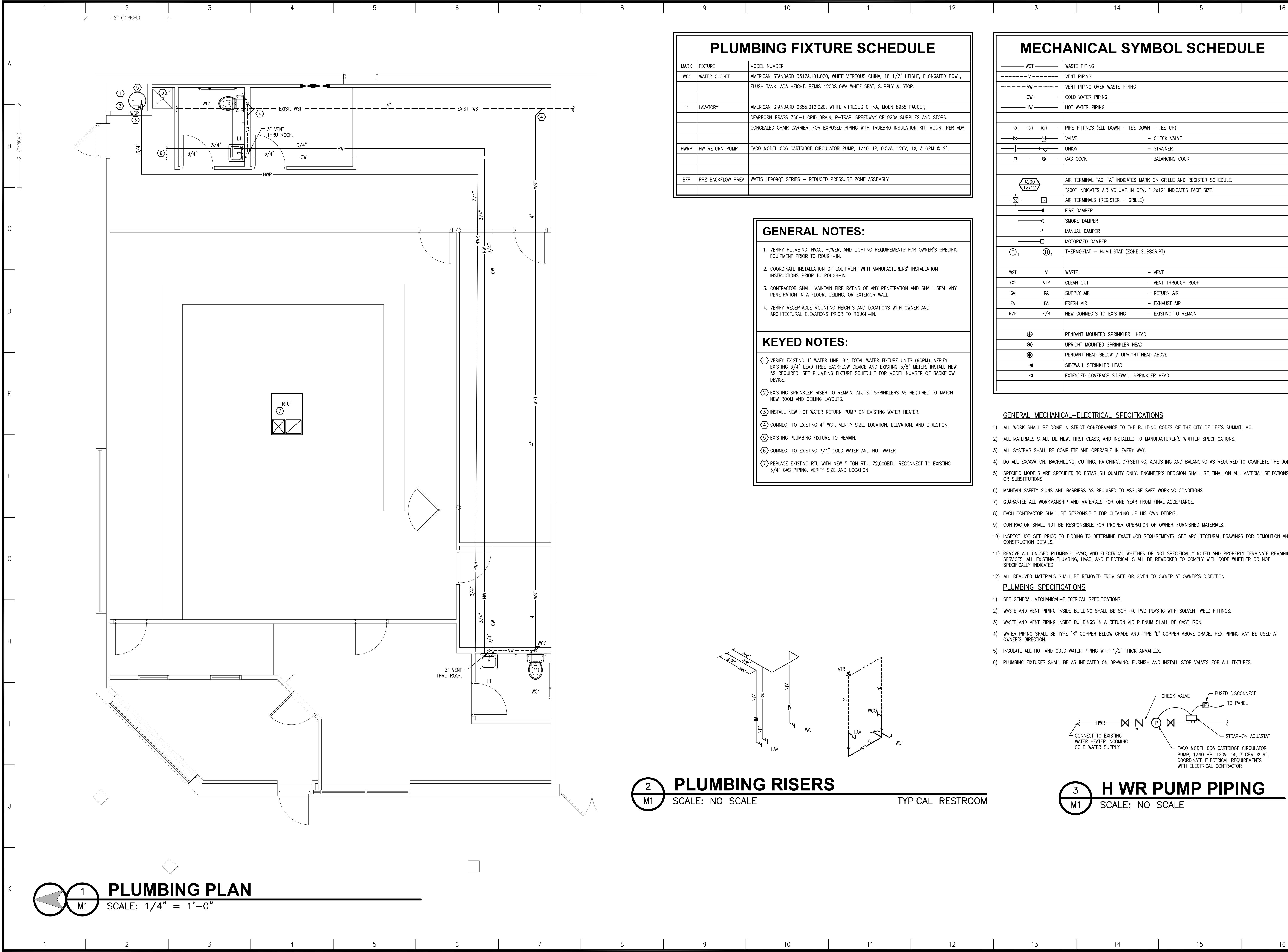
GRD KIRKSVILLE, LLC

201 SE MO-291
LEE'S SUMMITT, MO 64063

CLG. FRAMING,
REFL. CEILING
PLAN

A-400

T:\job\2222219\2219.dwg, 4/26/2022 9:47:44 AM, EthanR



MISSOURI

REGISTERED PROFESSIONAL ENGINEER

FREDDIE L. MALICOAT

NUMBER 000421

MO# E-16897

04-26-22

MALICOAT - WINSLOW

ENGINEERS, P.C.

MISSOURI STATE CERTIFICATE OF AUTHORITY #000421

5649 N. CLEARVIEW ROAD

COLUMBIA, MISSOURI 65202

TEL 573-875-1300

FAX 573-875-1305

FREDDIE MALICOAT, P.E.

GRD KIRKSVILLE, LLC

201 SE MO-291

LEE'S SUMMIT, JACKSON COUNTY, MO. 64063

CONTRACTOR SHALL CHECK & VERIFY ALL DIMENSIONS & CONDITIONS AT JOB SITE.

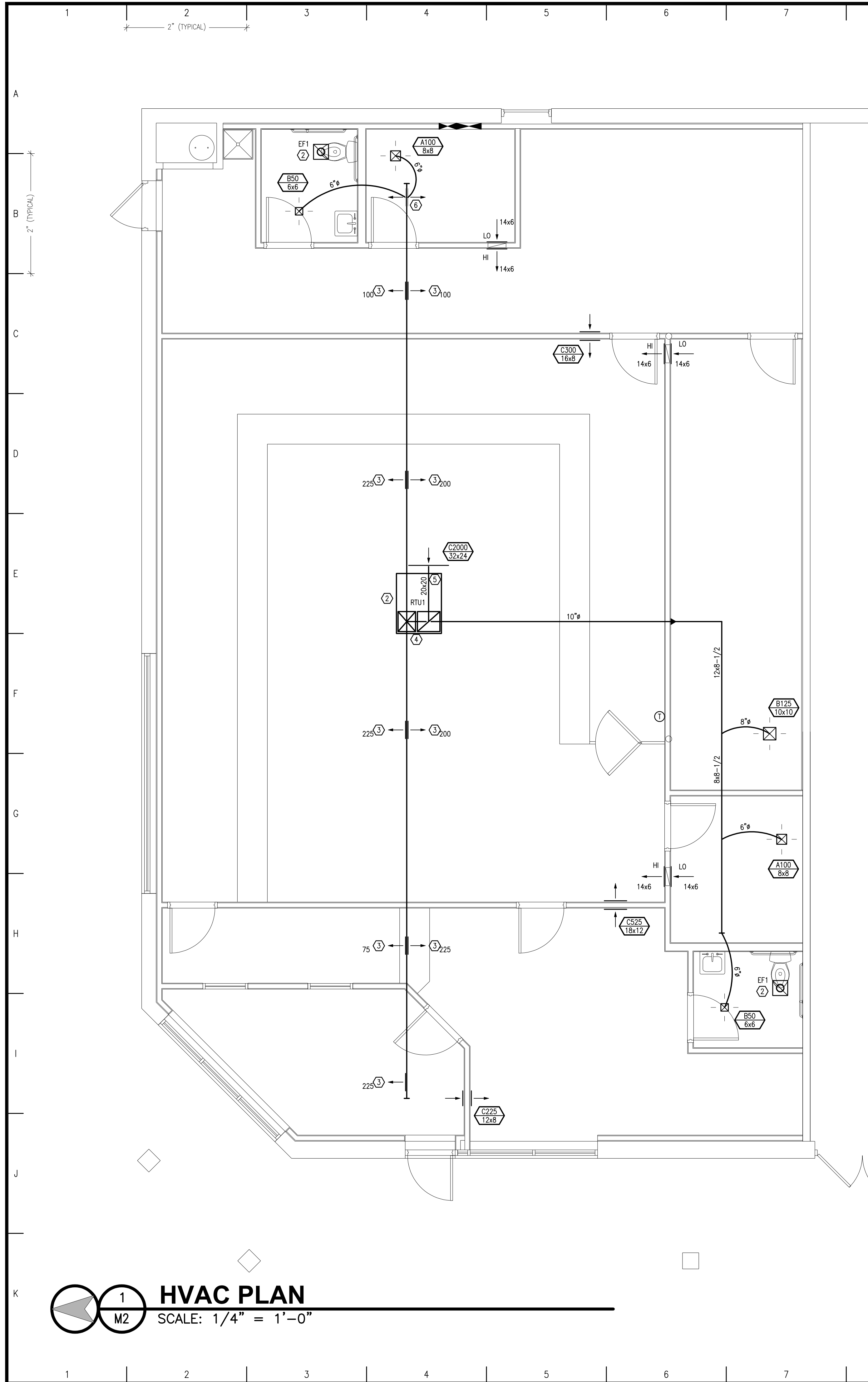
DATE : 04-26-22

REVISIONS :

TITLE : PLUMBING PLAN

SHEET : M1 OF M2

PROJECT : 22129



HVAC EQUIPMENT SCHEDULE

CARRIER ROOF TOP UNITS											
MARK	HTG BTU IN	HTG BTU OUT	TOTAL CLG	SENS CLG	CFM @ 0.5"	O.A. CFM	V / Ø	FLA	MOPC	MODEL	REMARKS
RTU1	72,000	57,600	60,000	45,000	2,000	150	208 / 3	21.3	40	48HC006	1,2,3
COOK EXHAUST AND VENTILATION FANS											
MARK	CFM	ESP	DRIVE	RPM	SONES	HP	V / Ø	WATTS	MOPC	MODEL	REMARKS
EF1	75	0.125"	DIRECT	750	0.9	-	120 / 1	30	20	GC-128	1
1. OR APPROVED EQUAL.											

GRILLE AND REGISTER SCHEDULE

MARK	MFG / MODEL	DAMPER	COLOR	DESCRIPTION
A	PRICE / APDF	YES	WHITE	24"x24" LAYIN ALL ALUMINUM PERFORATED SUPPLY REGISTER WITH ADJUSTABLE AIR PATTERN.
B	PRICE / AMCD	YES	WHITE	SURFACE MOUNT ALL ALUMINUM MODULAR CORE LOUVERED FACE DIFFUSER, 4-WAY BLOW PATTERN
C	PRICE / 620	NO	WHITE	WALL MOUNT ALL ALUMINUM RETURN AIR GRILLE.
NOTE: ALL GRILLES, REGISTERS, AND DIFFUSERS TO BE ALL ALUMINUM UNLESS NOTED OTHERWISE. STEEL CAN BE USED IF POWDER COATED PAINT IS APPLIED. QUANTITIES, SIZES, FRAMES AND ACCESSORIES TO BE CONFIRMED BY CONTRACTOR.				

GENERAL NOTES:

1. VERIFY PLUMBING, HVAC, POWER, AND LIGHTING REQUIREMENTS FOR OWNER'S SPECIFIC EQUIPMENT PRIOR TO ROUGH-IN.
2. COORDINATE INSTALLATION OF EQUIPMENT WITH MANUFACTURERS' INSTALLATION INSTRUCTIONS PRIOR TO ROUGH-IN.
3. CONTRACTOR SHALL MAINTAIN FIRE RATING OF ANY PENETRATION AND SHALL SEAL ANY PENETRATION IN A FLOOR, CEILING, OR EXTERIOR WALL.
4. VERIFY RECEPTACLE MOUNTING HEIGHTS AND LOCATIONS WITH OWNER AND ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
5. THERMOSTATS SHALL BE MOUNTED AT 60" TO CENTER ABOVE FINISHED FLOOR.

KEYED NOTES:

- ① 6" EXHAUST DUCT OUT TO GOOSENECK/ROOF JACK WITH BIRDSCREEN ON ROOF, MAINTAIN 10" MINIMUM CLEARANCE FROM FRESH AIR OPENINGS.
- ② REPLACE EXISTING RTU WITH NEW 5 TON RTU. INSTALL CURB ADAPTOR AND MODIFY SUPPLY AIR AND RETURN AIR DUCT DROPS AS REQUIRED. INSTALL 2 PLASMA AIR - PLASMA BAR MODEL #PB-018 ON RETURN SIDE OF UNIT.
- ③ EXISTING SUPPLY AIR DUCT AND REGISTERS TO REMAIN. BALANCE REGISTERS TO NOTED CFM.
- ④ CONNECT TO EXISTING SUPPLY AIR DUCT DROP WITH NEW 10" SUPPLY AIR DUCT.
- ⑤ CAP OF EXISTING RETURN AIR GRILLE. EXTEND/ENLARGE RETURN AIR DUCT AND INSTALL NEW RETURN AIR GRILLE.
- ⑥ REMOVE EXISTING SUPPLY AIR REGISTERS AND INSTALL TRANSITION FLEX CONNECTIONS TO NEW SUPPLY AIR REGISTERS.

AIR CONDITIONING SPECIFICATIONS

- 1) SEE GENERAL MECHANICAL-ELECTRICAL SPECIFICATIONS.
- 2) AIR CONDENSE PIPING SHALL BE INSULATED WITH 3/8" THICK ARMAFLEX AND HAVE A APRIL-AIR® SAFETY OVERLAP SWITCH.
- 3) DUCTWORK SHALL HAVE DUCT LINER INSULATION. DUCTWORK IN CONDITIONED AREAS SHALL HAVE 1/2" DUCT LINER AND DUCT LINER IN UNCONDITIONED AREAS SHALL HAVE 1" DUCT LINER.
NUMBER AFTER HYPHEN IN DUCT SIZE INDICATES THICKNESS OF INSULATION. DUCT SIZES HAVE BEEN LISTED TO ALLOW FOR THICKNESS OF INSULATION. (ALTERNATE METHOD) DUCTWORK SHALL HAVE 1-1/2" .24K FACTOR DUCT WRAP INSULATION IN CONDITIONED AREAS AND 2" .24" K FACTOR IN UNCONDITIONED AREAS.
- 4) ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN STRICT CONFORMANCE TO SMACNA SPECIFICATIONS.
- 5) FLEXIBLE DUCT - FLOMASTER® INSULATED FLEXIBLE DUCT. MYLAR INNER LINER, 1" THICK FIBERGLASS INSULATION WITH SEAMLESS ALUMINIZED VAPOR BARRIER, MAXIMUM LENGTH UNLESS OTHERWISE NOTED SHALL EXCEED 10', AND SUPPORTED MAXIMUM 3' ON CENTER. USE FLEXIRIGHT® DURABLE ELBOW SUPPORTS AT ALL ELBOWS.
- 6) AIR CONDITIONING EQUIPMENT SHALL BE AS SPECIFIED ON DRAWINGS.
- 7) GRILLES AND REGISTERS SHALL BE PRICE, OR APPROVED EQUAL.
- 8) ALL TEMPERATURE CONTROLS SHALL BE MIN 18 GA COPPER CONDUCTORS IN EMT.

**MALICOAT - WINSLOW
ENGINEERS, P.C.**

MISSOURI STATE CERTIFICATE OF AUTHORITY #000421

5649 N. CLEARVIEW ROAD
COLUMBIA, MISSOURI 65202

TEL 573-875-1300
FAX 573-875-1305

FREDDIE MALICOAT, P.E.

GRD KIRKSVILLE, LLC

201 SE MO-291
LEE'S SUMMIT, JACKSON COUNTY, MO. 64063

CONTRACTOR SHALL CHECK
& VERIFY ALL DIMENSIONS
& CONDITIONS AT JOB SITE.

DATE : 04-26-22

REVISIONS

TITLE =

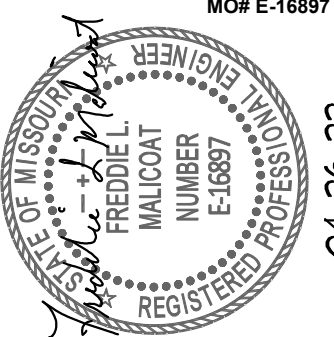
HVAC
PLAN

SHEET

M2
OF
M2

PROJECT : 22129

FREDDIE L. MALICOAT - ENGINEER



04-26-22



- ① REPLACE EXISTING RTU WITH NEW 5 TON RTU. INSTALL NEW CIRCUIT/BREAKER IN PLACE OF EXISTING RTU's CIRCUIT/BREAKER.
- ② EXISTING ELECTRICAL PANELS TO REMAIN. FIELD VERIFY ANY EXISTING CIRCUITS TO REMAIN AND ADJUST NEW CIRCUITS ACCORDING TO THE PANEL SCHEDULE AS REQUIRED
- ③ EXISTING ELECTRICAL TO REMAIN.
- ④ EXISTING SPRINKLER FIRE ALARM TO REMAIN.

②

P2

VOLTS 120/208

PHASE 3

WIRE 4

AIC

MAIN CAPACITY

BUSS MATERIAL

MOUNTING

SQUARE D MODEL

100A MB

A WATTS 0

B WATTS 0

C WATTS 0

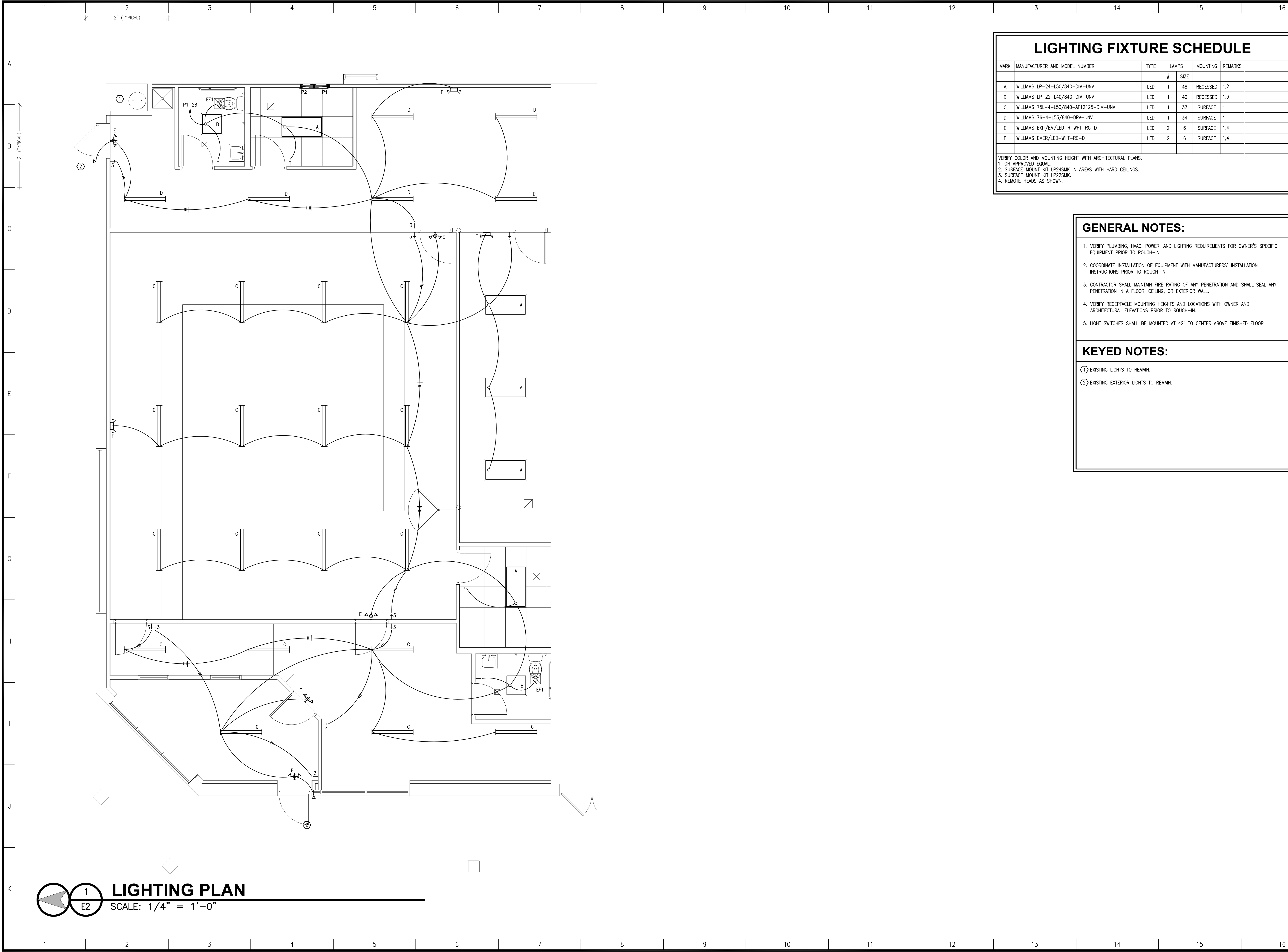
TOTAL WATTS 0

EXISTING

CIRC	LOCATION / DESCRIPTION	BRKR	WATTS	ø	WATTS	BRKR	LOCATION / DESCRIPTION	CIRC
1			0	A	0			2
3			0	B	0			4
5			0	C	0			6
7			0	A	0			8
9			0	B	0			10
11			0	C	0			12
13			0	A	0			14
15			0	B	0			16
17			0	C	0			18
19			0	A	0			20
21			0	B	0			22
23			0	C	0			24
25			0	A	0			26
27			0	B	0			28
29			0	C	0			30
31			0	A	0			32
33			0	B	0			34
35			0	C	0			36
37			0	A	0			38
39			0	B	0			40
41			0	C	0			42

- 1) SEE GENERAL MECHANICAL-ELECTRICAL SPECIFICATIONS.
- 2) ALL CONDUCTORS SHALL BE COPPER MINIMUM #12 OR LARGER AS REQUIRED OR SHOWN.
- 3) ALL EQUIPMENT SHALL BE RATED FOR 75° C. CONDUCTORS.
- 4) ALL SERVICE WIRING, WIRING EXPOSED TO WEATHER, OR WIRING BELOW GRADE, SHALL BE IN RIGID GALVANIZED CONDUIT OR SCH 40 P.V.C.
- 5) ALL WIRING IN NONFIRE-RATED CONSTRUCTION MAY BE NON-METALLIC SHEATHED CABLE (ROMEX).
- 6) ALL OTHER WIRING SHALL BE IN EMT OR MC CABLE.
- 7) WALL SWITCHES SHALL BE LEVITON #1120 SERIES, OR APPROVED EQUAL, 20A.
- 8) DUPLEX COMMENCEMENT RECEPTACLES SHALL BE LEVITON #5362 SERIES, OR APPROVED EQUAL, 20A., GROUNDING TYPE. GROUND FAULT RECEPTACLES SHALL BE LEVITON #7899-LW SERIES. USE SIDEWIRING ONLY, NOT BACKWIRING.
- 9) SPECIAL OUTLETS SHALL AS BE AS REQUIRED OR SHOWN ON DRAWINGS, COMPLETE WITH COVER PLATE.
- 10) THE ENTIRE SYSTEM SHALL BE ELECTRICALLY CONTINUOUS AND PROPERLY GROUNDING. EVERY FEEDER AND BRANCH CONDUIT SHALL HAVE CODE SIZE GREEN INSULATED GROUND CONDUCTOR.
- 11) FURNISH AND INSTALL ALL LIGHTING FIXTURES, LAMPS, FUSES, BREAKERS, ETC. TO COMPLETE THE BRANCH CIRCUITS INDICATED.
- 12) ALL 120V., 20A LIGHTING AND RECEPTACLE CIRCUITS REQUIRING MORE THAN 100' OF CONDUCTORS (ONE WAY) SHALL BE #10 CONDUCTORS.

T:\job\22222129\22129.dwg, 4/26/2022 9:47:40 AM, EthanR



LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER AND MODEL NUMBER	TYPE	LAMPS		MOUNTING	REMARKS
			#	SIZE		
A	WILLIAMS LP-24-L50/840-DIM-UNV	LED	1	48	RECESSED	1,2
B	WILLIAMS LP-22-L40/840-DIM-UNV	LED	1	40	RECESSED	1,3
C	WILLIAMS 75L-4-L50/840-AF12125-DIM-UNV	LED	1	37	SURFACE	1
D	WILLIAMS 76-4-L53/840-DRV-UNV	LED	1	34	SURFACE	1
E	WILLIAMS EXIT/EM/LED-R-WHT-RC-D	LED	2	6	SURFACE	1,4
F	WILLIAMS EMER/LED-WHT-RC-D	LED	2	6	SURFACE	1,4

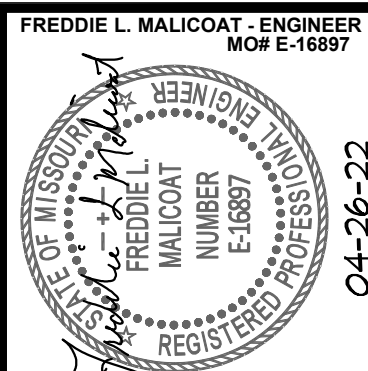
VERIFY COLOR AND MOUNTING HEIGHT WITH ARCHITECTURAL PLANS.
1. OR APPROVED EQUAL.
2. SURFACE MOUNT KIT LP24SMK IN AREAS WITH HARD CEILINGS.
3. SURFACE MOUNT KIT LP22SMK.
4. REMOTE HEADS AS SHOWN.

GENERAL NOTES:

1. VERIFY PLUMBING, HVAC, POWER, AND LIGHTING REQUIREMENTS FOR OWNER'S SPECIFIC EQUIPMENT PRIOR TO ROUGH-IN.
2. COORDINATE INSTALLATION OF EQUIPMENT WITH MANUFACTURERS' INSTALLATION INSTRUCTIONS PRIOR TO ROUGH-IN.
3. CONTRACTOR SHALL MAINTAIN FIRE RATING OF ANY PENETRATION AND SHALL SEAL ANY PENETRATION IN A FLOOR, CEILING, OR EXTERIOR WALL.
4. VERIFY RECEPTACLE MOUNTING HEIGHTS AND LOCATIONS WITH OWNER AND ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
5. LIGHT SWITCHES SHALL BE MOUNTED AT 42" TO CENTER ABOVE FINISHED FLOOR.

KEYED NOTES:

- ① EXISTING LIGHTS TO REMAIN.
② EXISTING EXTERIOR LIGHTS TO REMAIN.



**MALICOAT - WINSLOW
ENGINEERS, P.C.**

MISSOURI STATE CERTIFICATE OF AUTHORITY #000421
5649 N. CLEARVIEW ROAD
COLUMBIA, MISSOURI 65202
TEL 573-875-1300
FAX 573-875-1305
FREDDIE MALICOAT, P.E.

GRD KIRKSVILLE, LLC

201 SE MO-291
LEE'S SUMMIT, JACKSON COUNTY, MO. 64063

CONTRACTOR SHALL CHECK
& VERIFY ALL DIMENSIONS
& CONDITIONS AT JOB SITE.

DATE : 04-26-22

REVISIONS :

TITLE :

**LIGHTING
PLAN**

SHEET :

**E2
OF
E2**

PROJECT : 22129