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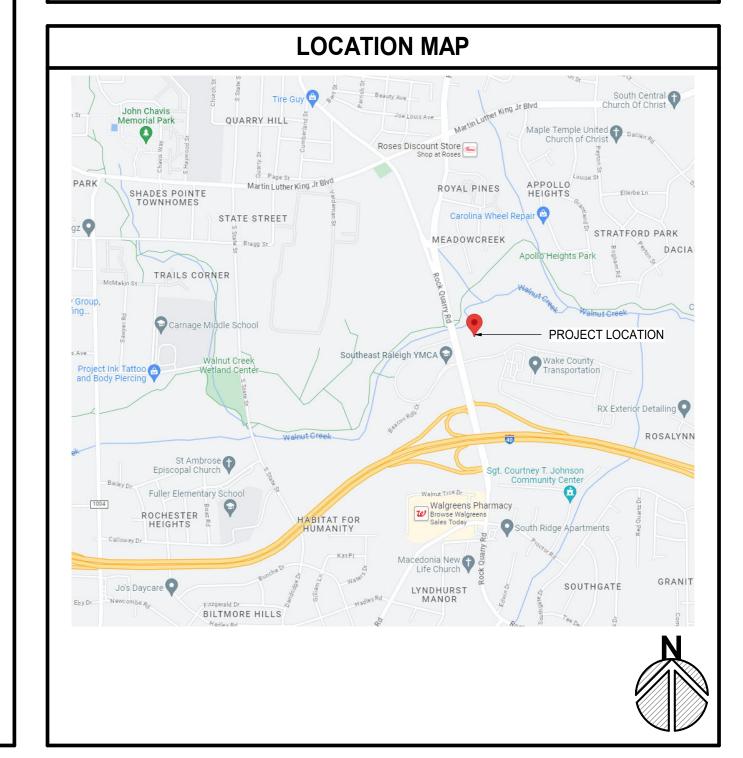
OWNER:

NC DEPARTMENT OF MOTOR VEHICLES

CONTACT: MIKE MOUNTCASTLE mdmountcasle@ncdot.gov

PROJECT SCOPE

CONSTRACT TWO PARTITIONS WITH DOORS AND CARD READERS SEPARATING EMPLOYEE WORK AREA FROM PUBLIC AREA. ADD ADDITIONAL EXIT LIGHT AND CORRIDOR LIGHTING FIXTURE



□ Repair, 1202

☐ Fire safety, 1203

□ Structural, 1206

Alterations, 1204

☐ Change of Occupancy,

DRAWING INDEX

				REVISION:
NO	NAME	ISSUED	NO	DATE
G000	COVER SHEET + SHEET INDEX	03/28/24		
G001	BUILDING CODE SUMMARY	03/28/24		
G010	LEVEL 1 - LIFE SAFETY PLAN	03/28/24		
A001	GENERAL ARCHITECTURAL INFORMATION	03/28/24		
A111	LEVEL 1 - FLOOR PLAN	03/28/24		
A121	LEVEL 1 - REFLECTED CEILING PLAN	03/28/24		
E1	ELECTRICAL SHEET	03/28/24		

NCDMV RALEIGH IRP OFFICE

NCDMV

1425 ROCK QUARRY RD. SUITE 100, RALEIGH, NC 23109



Select Scope of Work (Chapter 5)

maintenance

equipment

Repair: restoration to good or sound

removal or replacement or covering of

materials that serve the same purpose

reconfiguration of space, the addition

or elimination of any door or window,

the reconfiguration of any system or

the installation of any additional

Alteration - Level 3 (Reconstruction):

aggregate area of the building

work area exceeds 50 percent of the

condition for the purpose of

Alteration - Level 1 (Renovation):

existing materials, elements,

Alteration - Level 2 (Alteration):

equipment or fixtures using new

Alteration – Level 1 (Renovation) - removal or (Work Area Compliance Method) **Repair** - restoration to good or sound Conventional review Is this an existing condition for the purpose of with permit process structure? maintenance ☐ The work shall not make the building less conforming than it was before the repair was undertaken, 601.2 Glass in hazardous locations, What is the existing Wind-borne debris, 602.4 occupancy use Must maintain existing level Go to Section 101.9 to address: of protection, 603 building/space⁵ ☐ Fire suppression, most May not diminish existing restrictive applies to the entire level of accessibility, 605 building. Electrical, 607 Is the building Separation requirements, Smoke detectors in R-2, R-3, a registered 101.9 exception and R-4 historic Energy, 610 building? ☐ Smoke barriers for Group I-2, 803.3 Yes proposed Mixed use occupancy use Yes Choose the building? scope of work Historic Buildings (Chapter 12)

Change of Occupancy (Chapter 10)

☐ Structural requirements,

☐ Fire suppression, 1012.2

Fire alarms and smoke

detection, 1012.2.2

☐ Means of egress, 1012.4

☐ Height and area, 1012.5

Accessibility, 1012.9

Exterior wall exposure, 1012.6

☐ Vertical wall openings, 1012.7

Electrical, 1008

Plumbing, 1010

Mechanical, 1009

replacement or covering of existing materials, elements, equipment or fixtures using new materials that serve the same purpose All new work shall comply with materials

and methods for new construction, 702.4 Maintain the level of fire protection and means of egress that is existing, 703, 704 Replacement of equipment supported by building and reroofing, 706

Alteration - Level 2 (Alteration) - reconfiguration of space, the addition or elimination of any door o window, the reconfiguration of any system or the installation of any additional equipment ☐ All work complies with Level 1 Alteration

(Renovation) work in Chapter 7 in addition to this Chapter

Special use and occupancy, 802 Vertical openings, 803.2

Interior finish in exits and corridors, 803.4 Guards, 803.5 Fireblocking and draftstopping, 803.6

Automatic sprinkler systems, 804.2 Fire alarms and detection, 804.4

Means of egress capacity, 805.2.1 Number of exits, 805.3

Egress doorways, 805.4 Accessibility requirements, 806 Electrical (808), Mechanical (809),

Alteration – Level 3 (Reconstruction) - work area exceeds 50 percent of the aggregate area of the

☐ Work complies with all provisions of Chapters 7 and 8 in addition to this

Plumbing, (810), Energy (811)

Special use and occupancy, 902 Existing shaft as and vertical openings,

Fire separation in Group R-3, 903.2

Automatic sprinkler systems, 904.1 Standpipes, 904.2

requirement, 908.1.1

Existing structural elements resisting lateral load, 907.4 Energy requirements, unconditioned to conditioned space – 10% additional

ARE INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN





DATE

REVISIONS: # DESCRIPTION:

SHEET NAME: **COVER SHEET + SHEET**

PHASE: **CD PHASE**

ISSUE DATE: 03/28/24 PROJECT #: **23109** DRAWN BY: **N.A.**

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OO10 ARRENDIV R		AA ENITS:								
2018 APPENDIX B BUILDING CODE SUMMARY		FIRE PROTECTION REQUIREMENTS: Notes:						ENERGY SUMMARY: EXISTING - NO CHANGE		
FOR ALL COMMERCIAL PROJECTS		BUILDING ELEMENT FIRE SEPARATION REQ'D PROVIDED & &		RATED ASSEMBLY RATED RATED JOINT		DESIGN # FOR RATED JOINTS	THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED. EACH			
(EXCEPT 1 AND 2 - FAMILY DWELLINGS AND TOWNHOUSES) (REPRODUCE THE FOLLOWING DATA ON THE BUILDING PLAN SHEET 1 OR 2)		DISTANCE (FEET)	(W/REDUCTION	SHEET #		PENETRATION		DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF PERFORMANCE METHOD, STATE THE ANNUAL ENERGY COST FOR THE PROPOSED DESIGN.		
NAME OF PROJECT: NCDMV IPR OFFICE RENOVATION ADDRESS: 1425 ROCK QUARRY ROAD, RALEIGH, NC zip code: 27610	STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES	>30'	0					EXISTING BUILDING ENVELOPE COMPLIES WITH CODE: \square NO $[X]$ YES (THE REMAINDER OF THIS SECTION IS NOT APPLICABLE)		
PROPOSED USE: GROUP B - BUSINESS OWNER OR AUTHORIZED AGENT: MIKE MOUNTCASTLE PHONE #: 919-707-4550 E-MAIL; MDMOUNTCASTLE@NCDO	BEARING WALLS GOV							CLIMATE ZONE 3A X 4A 5A METHOD OF COMPLIANCE: ENERGY CODE PERFORMANCE PRESCRIPTIVE		
OWNED BY: CITY/COUNTY PRIVATE X STATE CODE ENFORCEMENT JURISDICTION: CITY: COUNTY: X STATE:	EXTERIOR NORTH							ASHRAE 90.1 PERFORMANCE PRESCRIPTIVE		
LEAD DESIGN PROFESSIONAL DESIGNER FIRM NAME LICENSE# TELEPHONE E-Mail	EAST							IF "OTHER" SPECIFY SOURCE HERE THERMAL ENVELOPE		
architectural: MHAWORKS BARRY F. HILL, AIA 5124 919.682.2870 BHILL@MHAWORKS.COM	WEST							ROOF/CEILING ASSEMBLY (EACH ASSEMBLY) WALLS BELOW GRADE (EACH ASSEMBLY)		
CIVIL:	SOUTH							DESCRIPTION OF ASSEMBLY: DESCRIPTION OF ASSEMBLY: U-VALUE OF TOTAL ASSEMBLY:		
FIRE ALARM:	INTERIOR NON-BEARING WALLS &							R-VALUE OF INSULATION: R-VALUE OF TOTAL INSULATION: SKYLIGHT IN EACH ASSEMBLY FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY)		
MECHANICAL: SPRINKLER/STANDPIPE:	PARTITIONS EXTERIOR WALLS							u-value of skylight: DESCRIPTION OF ASSEMBLY:		
STRUCTURAL: RETAINING WALLS >5' HIGH:	NORTH	>30'	0					EXTERIOR WALLS (EACH ASSEMBLY) R-VALUE OF TOTAL INSULATION:		
OTHER: "OTHER" should include firms and individuals such as truss, precast, pre-engineering, interior designers, etc.)	EAST	>30'	0					DESCRIPTION OF ASSEMBLY:		
2018 NC BUILDING CODE: NEW BUILDING ADDITION RENOVATION	WEST	>30'	0					R-VALUE OF INSULATION: U-VALUE OF TOTAL ASSEMBLY: OPENING (windows or doors with glazing) R-VALUE OF TOTAL INSULATION:		
1ST TIME INTERIOR COMPLETION SHELL/CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS	SOUTH INTERIOR WALLS AND PARTITIONS							u-value of assembly: Horizontal / vertical requirement: Slab heated? (Y/N)		
PHASED CONSTRUCTION - SHELL/CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS 2018 NC EXISTING BUILDING CODE: EXISTING: PRESCRIPTIVE REPAIR CHAPTER 14		>30'	0					projection factor: Door R-Values:		
2018 NC EXISTING BUILDING CODE: EXISTING: PRESCRIPTIVE REPAIR CHAPTER 14 LEVEL II LEVEL III	FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS FLOOR CEILING ASSEMBLY		0							
HISTORIC PROPERTY CHANGE OF USE	COLUMNS SUPPORTING BEAMS							STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)		
CONSTRUCTED (date) 1988 CURRENT OCCUPANCY(S) (Ch. 3) GROUP B - BUSINESS RENOVATED (date) PROPOSED OCCUPANCY(S) (Ch. 3) GROUP B - BUSINESS	ROOF CONSTRUCTION, INCLUDING BEAMS AND JOISTS	Supporting	0					STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE) EXISTING - NO CHANGE DESIGN LOADS:		
RISK FACTOR (Table 1604.5): Current:	ROOF CEILING ASSEMBLY		0	0				IMPORTANCE FACTORS: SNOW (Is)		
Proposed: ☐ [X] ☐	COLUMNS SUPPORTING BEAMS		0					SEISMIC (Ie)		
BASIC BUILDING DATA:	SHAFT ENCLOSURES - EXIT SHAFT ENCLOSURES - OTHER			_				MEZZANINE psf FLOOR psf		
CONSTRUCTION TYPE: I-A I-B II-A II-B III-A X III-B IV V-A V-B V-	SHAFT ENCLOSURES - OTHER CORRIDOR SEPARATION		0	+				GROUND SNOW LOAD: psf		
SPRINKLERS: [X]NO PARTIAL YES NFPA 13 NFPA 13R NFPA 13D STANDPIPES: [X]NO YES CLASS: I III WET DRY FIRE DISTRICT: [X]NO YES FLOOD HAZARD AREA: [X]NO YES	OCCUPANCY/FIRE BARRIER SEPARA	TION	NA NA					WIND LOAD: ULTIMATE WIND SPEED mph (ASCE-7) EXPOSURE CATEGORY		
fire district: [X]noyes flood hazard area: [X]noyes special inspections required: [X]noyes contact the local inspection jurisdiction for additional procedures and requirements	PARTY/FIRE WALL SEPARATION		NA	_1				SEISMIC DESIGN CATEGORY: A B C D		
GROSS BUILDING AREA TABLE:	SMOKE BARRIER SEPARATION	_	NA			_		PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS: RISK CATEGORY (TABLE 1604.5) I III IV		
FLOOR EXISTING (SQ. FT.) NEW WORK AREA (SQ. FT.) SUB TOTAL	SMOKE BARRIER SEPARATION		NA					SPECTRAL RESPONSE ACCELERATION: Sds=%g Sd1=%g		
7TH FLOOR:	TENANT/DWELLING		0					SITE CLASSIFICATION: (ASCE 7) ABBCCDDEFF Data Source: FIELD TEST PRESUMPTIVE HISTORICAL DATA		
5TH FLOOR:	UNIT/SLEEPING UNIT SEPARATION INCIDENTAL USE SEPARATION		NA NA					BASIC STRUCTURAL SYSTEM BEARING WALL DUAL WITH SPECIAL MOMENT FRAME		
4TH FLOOR:	* INDICATE SECTION NUMBER PERMI	TTING REDUC						 ■ BUILDING FRAME ■ DUAL WITH INTERMEDIATE R/C OR SPECIAL STEEL ■ MOMENT FRAME ■ INVERTED PENDULUM 		
2ND FLOOR:								ANALYSIS PROCEDURE: SIMPLIFIED EQUIVALENT LATERAL FORCE DYNAMIC		
MEZZANINE: 5,372	LII L SAILII SISILM	EMERGENCY	LIGHTING:	X YES				architectural, mechanical, components anchored? Yes No		
BASEMENT:	NE CONCENTED (EXIT SIGNS: FIRE ALARM:	$[X]_N$	X YES YES				LATERAL DESIGN CONTROL: EARTHQUAKE WIND		
total: 5,372		SMOKE DETECTION SYSTEMS: $\overline{[X]}$ NO $\overline{\ \ \ }$ YES $\overline{\ \ \ \ }$ Partial $\underline{\ \ \ \ \ \ \ }$ PANIC HARDWARE: $\overline{\ \ \ \ \ }$ YES								
ALLOWABLE AREA	TANIC HARDWARE. [FINO] 123							SOIL BEARING CAPACITIES: FIELD TEST (PROVIDE COPY OF TEST REPORT)psf		
PRIMARY OCCUPANCY: (SELECT ONE) ASSEMBLY	LIFE SAFETY PLAN REQUIREMENTS: LIFE SAFETY PLAN SHEET#: G010							PRESUMPTIVE BEARING CAPACITY psf PILE SIZE, TYPE, AND CAPACITY psf		
BUSINESS [X]	Fire and/or smoke rated wall loca Assumed and real property line lo			A st	separate schematic plan inc ructure is provided for purpo	licating where fire rated ses of occupancy separe	d floor/ceiling and/or roof ration			
EDUCATIONAL FACTORY F-1 Moderate F-2 Low	Exterior wall opening area with res			ines	ocation of doors with panic h			MECHANICAL SUMMARY EXISTING - NO CHANGE		
HAZARDOUS H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM INSTITUTIONAL I-1 CONDITION I 2	(705.8) Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)							MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT THERMAL ZONE MECHANICAL SPACING CONDITIONING SYSTEM		
	(Table 1004.1.2) Location of doors with electromagnetic egress locks (1010.1.9.9) X Occupant loads for each area Location of doors equipped with hold-open devices						010.1.9.9)	WINTER DRY BULB: UNITARY		
I-4	Exit access travel distances (1017) Docation of emergency escape windows (1030)							SUMMER DRY BULB: DESCRIPTION OF UNIT INTERIOR DESIGN CONDITIONS DESIGN CONDITIONS COOLING EFFICIENCY		
MERCANTILE R-1 R-2 R-3 R-4	Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))						_	SIZE CATEGORY OF UNIT WINTER DRY BULB: BOILER SUMMER DRY BULB: SIZE CATEGORY. IF OVERSIZED, STATE REASON.:		
STORAGE S-1 Moderate S-2 Low High-piled Parking Garage Open Enclosed Repair Garage	Dead end lengths (1020.4) The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) Classification I-2 (407.5)							RELATIVE HUMIDITY: CHILLER SIZE CATEGORY. IF OVERSIZED, STATE REASON.:		
UTILITY & MISC.	Note any code exceptions or table notes that may have been utilized regarding the items above						ive been utilized	BUILDING HEAT LOAD: LIST EQUIPMENT EFFICIENCIES BUILDING COOLING LOAD:		
ACCESSORY OCCUPANCY CLASSIFICATION(S):	accommodate based on egress width (1005.3) Actual occupant load for each exit door									
SPECIAL USES (Chapter 4 - List Code Sections):	ACCESSIBLE DWELLING LIN	ITS (SECTI	ION 11071: NOT AF	PLICARI E						
SPECIAL PROVISIONS: (Chapter 5 - List Code Sections):	ACCESSIBLE DWELLING UNITS (SECTION 1107): NOT APPLICABLE TOTAL UNITS ACCESSIBLE ACCESSIBLE TYPE A TYPE A TYPE B TOTAL #							ELECTRICAL SUMMARY EXISTING - NO CHANGE		
NON-SEPARATED USE (508.3) - THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST	UNITS REQUIRE		UNITS UN	IITS U	JNITS UNITS OVIDED REQUIRED	UNITS	ACCESSIBLE UNITS PROVIDED	ELECTRICAL SYSTEM AND EQUIPMENT		
AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING.								METHOD OF COMPLIANCE: ENERGY CODE PERFORMANCE PRESCRIPTIVE		
SEPARATED USE (508.4) - SEE BELOW FOR AREA CALCULATIONS FOR EACH STORY, THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH USE SHALL NOT EXCEED 1.							_	ASHRAE 90.1 PERFORMANCE PRESCRIPTIVE		
	ACCESSIBLE PARKING (Section 1106): EXISTING - NO CHANGE							LIGHTING SCHEDULE (EACH FIXTURE TYPE) LAMP TYPE REQUIRED IN FIXTURE		
ALLOWABLE AREA OF OCCUPANCY A + ALLOWABLE AREA OF OCCUPANCY B = < 1.00 = < 1.00	LOT OR PARKING TOTAL NUMBER OF PARKING SPACES # OF ACCESSIBLE SPACES PROVIDED TOTAL # OF ACCESSIBLE						TOTAL # OF ACCESSIBLE	NUMBER OF LAMPS IN FIXTURE		
+ + = <1.00	REQUIRED PROVIDED REGULAR WITH 5' 132" ACCESS AISLE 8' ACCESS AISLE							BALLAST TYPE USED IN THE FIXTURE NUMBER OF BALLASTS IN FIXTURE		
STORY NUMBER DESCRIPTION AND USE (A) (B) (C) (C) (D) TABLE 506.2 AREA FOR ALLOWABLE AREA PER 2.3	0		0	CESS AISLE	0	0	0	TOTAL WATTAGE PER FIXTURE TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED (WHOLE BUILDING OR SPACE BY SPACE)		
(ACTUAL) AREA FRONTAGE INCREASE STORY OR UNLIMITED	0		0	0	0	0	0	TOTAL EXTERIOR WATTAGE SPECIFIED VS ALLOWED ADDITIONAL PRESCRIPTIVE COMPLIANCE		
1 BUSINESS 5,372 19,000 NA 19,000	TOTAL: 0		0	0	0	0	0	(When using the 2018 NCECC; not required for ASHRAE 90.1) C406.2 More Efficient Mechanical Equipment		
		_						C406.3 Reduced Lighting Power Density		
	PLUMBING FIXTURE REQUIREMENTS (SECTION 2902.1): EXISTING - NO CHANGE							C406.4 Enhanced Digital Lighting Controls C406.5 On-Site Supply of Renewable Energy		
' FRONTAGE AREA INCREASE FROM SECTION 506.3 ARE COMPUTED THUS: A. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH =	USE: 1 WATER CLOSETS URINALS LAVATORIES SHOWERS/ TUBS REGULAR ACCESSIBLE							C406.6 Dedicated Outdoor Air System		
B. TOTAL BUILDING PERIMETER =(P) C. RATIO (F/P)=(F/P) D. W= MINIMUM WIDTH OF PUBLIC WAY=(W) E. PERCENT OF FRONTAGE INCREASE I = 100 [F/P-0.25] x W/30 =(%)	SPACE EXISTING MALE FEMALE UNISEX MALE FEMALE UNISEX REGULAR ACCESSIBLE						. ACCESSIBLE	C406.7 Reduced Energy Use in Service Water Heating		
² UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.	NEW PEGUIRED									
3 MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING x D (506.2). 4 MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH 406.5.4. 5 FRONTAGE INCREASE IS BASED ON THE UNSPRINKLERED AREA VALUE IN TABLE 506.2.	REQUIRED									
	SPECIAL SPECIAL APPROVAL: (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPI, DHHS, ICC, ETC., DESCRIBE BELOW)									
ALLOWABLE HEIGHT:	APPROVALS:									
ALLOWABLE SHOWN ON PLANS CODE REFERENCE ' RIULDING HEIGHT IN EFET (Table 504.3) ² AO'-O'' 1.4'-O'' T. 50.4.3										
BUILDING HEIGHT IN FEET (Table 504.3)² 40'-0" 14'-0" T.504.3 BUILDING HEIGHT IN STORIES (Table 504.4)³ 2 1 T.504.4										
1 PROVIDE CODE REFERENCE IF THE "SHOWN ON PLANS" QUANTITY IS NOT BASED ON TABLE 504.3 OR 504.4										
² THE MAXIMUM HEIGHT OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.3.1. ³ THE MAXIMUM HEIGHT OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.5.										
	I									

Together, we create.

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EIGH REVISION \$: | DESCRIPTION: DATE

SHEET NAME:
BUILDING CODE SUMMARY

PHASE: **CD PHASE**

ISSUE DATE: 03/28/24 PROJECT #: **23109**DRAWN BY: **N.A.**

SHEET NUMBER

CONFERENCE ROOM

STAFF ENTRANCE

LOBBY

A 15 45 N 2

OCCUPANCY TYPE LEGEND

THE INSIDE WITHOUT THE USE OF A KEY AND WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. INTERIOR WALL AND CEILING FINISHES ARE SPECIFIED TO BE CLASS 2 (FLAME SPREAD 26-75, SMOKE OTHERWISE.

FIRE PREVENTION GENERAL NOTES:

DEVELOPMENT 450 OR LESS) OR BETTER, UNLESS NOTED

. EVERY EXIT DOOR IS SPECIFIED TO BE OPERABLE FROM

INTERIOR TRIM IS SPECIFIED TO BE CLASS 3 (FLAME SPREAD 76 TO 200, SMOKE DEVELOPMENT OF 450 OR

LESS) OR BETTER. INTERIOR TRIM FOR CEILINGS IS SPECIFIED TO BE 10% OR LESS OF THE TOTAL CEILING AREA. INTERIOR TRIM OF WALLS IS SPECIFIED TO BE 20% OR LESS OF TOTAL THIS PROJECT DOES NOT INCLUDE STORAGE,

WALL AREA. DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS, OR

HAZARDOUS SUBSTANCES. . ALL WOOD BLOCKING, CLEATS, GROUNDS, SHEATHING AND OTHER MISC. CARPENTRY ITEMS SHALL BE FIRE RETARDANT TREATED.

CLASS B OR BETTER. LIFE SAFETY REQUIREMENTS:

EFFORT.

1. MAXIMUM COMMON PATH OF TRAVEL DISTANCE IS

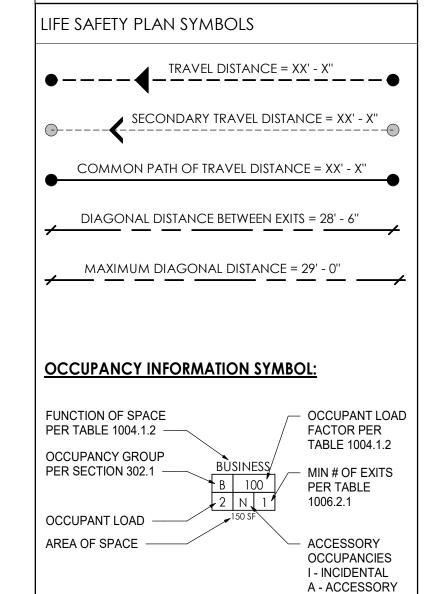
FLOOR COVERING FOR CORRIDORS, LOBBIES, STAIRS, OTHER EXIT PATHS OR EXIT AREAS ARE SPECIFIED TO BE

75'-0" (TABLE 1006.2.1). 2. EXIT DOORS SHALL BE SPACED APPART NOT LESS THAN ONE HALF THE DIAGONAL DISTANCE OF THE BUILDING OR AREA SERVED. (1007.1.1).

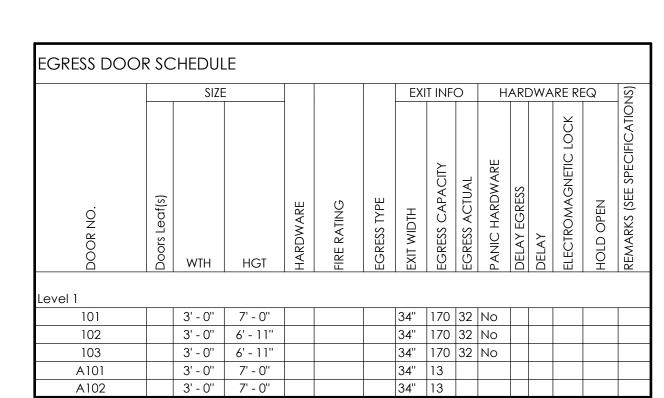
3. EXIT ACCESS TRAVEL DISTANCE IS AS FOLLOWS: (B) OCCUPANCY: 200'-0"

(TABLE 1017.2 WITHOUT SPRINKLER SYSTEM) 4. DEAD END CORRIDOR LENGTH IS LIMITED TO 20'-0" WHERE MORE THAN 1 EXIT IS PROVIDED. (1020.4) 5. NEW EGRESS COMPONENT CAPACITY NUMBERS TO BE DETERMINED PER SECTION 1005.3.1 - STAIRWAYS : .3" PER OCCUPANT

- ALL OTHER EGRESS COMPONENTS: .2" PER OCCUPANT ALL EXTERIOR EGRESS DOOR HARDWARE TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY AND WITHOUT ANY SPECIAL KNOWLEDGE OR



N - NONE



SHEET NAME: **LEVEL 1 - LIFE SAFETY PLAN** PHASE: CD PHASE

REVISION \$: DESCRIPTION:

DATE

<u>5</u>

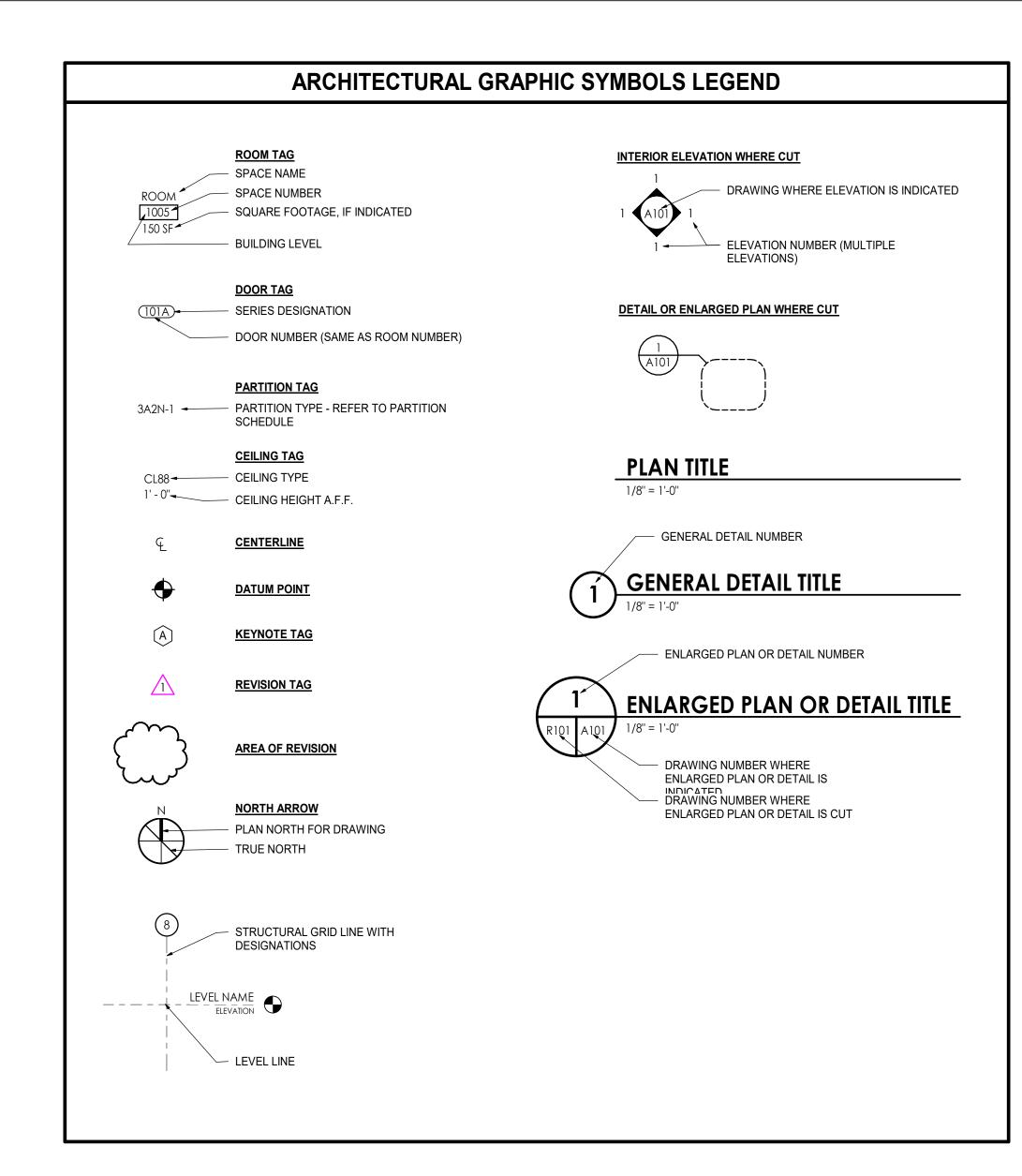
ISSUE DATE: 03/28/24 PROJECT #: **23109** DRAWN BY: N.A.

SHEET NUMBER

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WAITING



ACCESSIBLE GENERAL NOTES:

- A. PILE THICKNESS OF SPECIFIED CARPETS DOES NOT EXCEED 1/2".
- B. FLOOR SURFACES SPECIFIED ARE SLIP-RESISTANT.
- C. ABRUPT CHANGES IN LEVEL ALONG ACCESSIBLE ROUTE DO NOT EXCEED 1/2" IN HEIGHT. CHANGES BETWEEN 1/4" AND 1/2" ARE BEVELED WITH A SLOPE NO STEEPER THAN 1:2.
- D. LATCHING AND LOCKING DOORS ARE SPECIFIED TO BE OPERABLE WITH A SINGLE EFFORT BY HARDWARE THAT DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. DOOR OPENING HARDWARE IS SPECIFIED TO BE MOUNTED BETWEEN 34" AND 48" ABOVE FLOOR FINISH.
- E. CLOSERS FOR FIRE-RATED DOORS ARE SPECIFIED TO BE POWER LEVEL 3 FOR INTERIOR DOORS 38" OR LESS IN WIDTH.
- F. MAXIMUM PULL OR PUSH EFFORT TO OPERATE NON-FIRE-RATED DOORS SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING DOORS. SPECIFIED CLOSERS TO BE ADJUSTED TO COMPLY.
- G. FLOOR AREAS ON EACH SIDE OF DOORS ARE SPECIFIED TO BE LEVEL AND CLEAR. THE DIMENSIONS OF THE LEVEL AREAS ARE SPECIFIED TO MEET ANSI A117.3 2009, IAC AND ADA CLEARANCE REQUIREMENTS.
- H. FLOORS OR LANDINGS ARE SPECIFIED TO BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" IS SPECIFIED TO BE BEVELED WITH A SLOPE NO STEEPER THAN 1:2.
- I. ELECTRICAL RECEPTACLE OUTLETS ARE SPECIFIED TO BE NOT LESS THAN 15" ABOVE THE FLOOR OR WORKING PLATFORM.

ARCHITECTURAL GENERAL NOTES

- A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- B. ELEMENTS THAT ARE IDENTIFIED BY OTHER DISCIPLINES (e.g., CIVIL, STRUCTURAL, PLUMBING, FIRE PROTECTION, MECHANICAL, ELECTRICAL) ELSEWHERE WITHIN THE ARCHITECTURAL SERIES OF DRAWINGS AND/OR SPECIFICATIONS, OR IDENTIFIED OR COVERED BY DEFAULT (e.g. SIZES, THICKNESS, SPACING, MATERIALS) IN THE SPECIFICATIONS MAY NOT BE ANNOTATED (NOTE OR KEYNOTED) ON THESE DRAWINGS.
- C. ELEMENTS IDENTIFIED IN "LEGENDS" AND/OR "GENERAL NOTES" MAY NOT BE NOTED IN DETAILS, OR SECTIONS, AS THESE ELEMENTS ARE IDENTIFIED IN THE LEGEND (e.g. FACE BRICK, CMU, WINDOWS)
- D. REFER TO "ASSEMBLIES" FOR MATERIALS AND COMPONENTS THAT MAKE UP THAT PARTICULAR ASSEMBLY (e.g. EXTERIOR WALL ASSEMBLIES, ROOF ASSEMBLIES, AND FIRE-RATED ASSEMBLIES.) ONCE A PARTICULAR ASSEMBLY HAS BEEN IDENTIFIED ON ONE DRAWING, THAT SAME ASSEMBLY GRAPHIC SHALL APPLY TO ALL OTHER SIMILAR LOCATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE. PROVIDE THAT SAME ASSEMBLY AT THE SIMILAR LOCATIONS WHETHER THE ASSEMBLY GRAPHIC SYMBOL IS SHOWN
- E. VERIFY ALL DIMENSIONS, INCLUDING DIMENSIONS ON STRUCTURAL DRAWINGS AND OTHER ARCHITECTURAL DRAWINGS. IMMEDIATELY
- NOTIFY ARCHITECT OF ANY DISCREPANCIES. F. PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL EQUIPMENT INDICATED TO BE MOUNTED OR OTHERWISE REQUIRE TO BE MOUNTED TO THE FLOOR. WHERE PADS ARE NOT SHOWN, PROVIDE 6" THICK CONCRETE PADS WITH 3/4" CHAMFERED EDGES (ALL SIDES). REINFORCE WITH MESH EQUIVALENT TO FLOOR SLAB REINFORCING REQUIREMENTS.

ADCHITECTUDAL ADDDENIATIONS

	ARCHITECTURAL ABBREVIATIONS							
A-PT	ACCENT PAINT	FH	FIRE HYDRANT	PNL	PANEL, PANELING			
ABS	AIR BARRIER SYSTEM	FHC	FIRE HOSE CABINET	POLY	POLYETHYLENE			
ABV	ABOVE	FHVC	FIRE HOSE VALVE CABINET	PPS	POWER PROJECTION SCREEN			
ACP ACT	ACOUSTICAL CEILING PANEL ACOUSTICAL CEILING TILE	FIN FLR	FINISHED FLOOR	PPT PR	Pressure- or preservative-treated Pair			
ACW	ALUMINUM CLAD WINDOW	FLRG	FLOORING	PREFAB	PREFABRICATED			
ADJ AEE	ADJUSTABLE	FND	FOUNDATION FACE OF	PREFIN	PREFINISHED			
AFF AHJ	ABOVE FINISHED FLOOR AUTHORITY HAVING JURISDICTION	FO FRM	FACE OF FRAME	PREP PS	PREPARE / PREPARATION PROJECTION SCREEN			
AHU	AIR HANDLING UNIT	FRP	FIBERGLASS REINFORCED PLASTIC	PSB	PENCIL SHARPENER BLOCK			
ALTIMA	ALTERNATE	FRT	FIRE RETARDANT TREATED	PSF	POUNDS PER SQUARE FOOT			
ALUM AP	ALUMINUM ACCESS PANEL	FT FTG	FOOT, FEET FOOTING	PSI PT	POUNDS PER SQUARE INCH PAINT			
APC	ARCHITECTURAL PRECAST CONCRETE	FURN	FURNITURE	PTN	PARTITION			
ARC	ABUSE RESISTANT COATING	FVC	FIRE VALVE CABINET	PTS	PNEUMATIC TUBE SYSTEM			
AS AUTO	ALUMINUM STOREFRONT AUTOMATIC	FWC GA	FABRIC WALL COVERING GAUGE	PVC PVMT	POLYVINYL CHLORIDE PAVEMENT			
AVG	AVERAGE	GAL	GALLON	PVWC	PERFORATED VINYL WALL COVERING			
AW	ALUMINUM WINDOW	GALV GB	GALVANIZED CVRSUA POARD	QSM QT	QUARTZ SURFACING MATERIAL			
AWC AWP	ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	GB-AR	GYPSUM BOARD GYPSUM BOARD - ABUSE RESISTANT	QTY	QUARRY TILE QUANTITY			
BD	BOARD	GB-IR	GYPSUM BOARD - IMPACT RESISTANT	R	RISER, RADIUS			
BF BLDG	BARRIER FREE (ADA or A117.1) BUILDING	GB-S GFRC	GYPSUM BOARD - SECURITY GLASS FIBER REINFORCED CONCRETE	R/W RAD	RIGHT OF WAY RADIUS			
BLKG	BLOCKING	GFRG	GLASS FIBER REINFORCED GYPSUM	RAF	RESILIENT ATHLETIC FLOORING			
BOT	ВОТТОМ	GL	GLASS, GLAZING	RB	RESILIENT BASE			
BRG BTWN	BEARING BETWEEN	GL-BLK GPM	GLASS BLOCK GALLONS PER MINUTE	RCP RD	REFLECTED CEILING PLAN ROOF DRAIN			
BUR	BUILT-UP ROOF	GRT	GROUT	REFG	REFRIGERATOR			
C	CARPET	GSFT	GLAZED STRUCTURAL FACING TILE	REINF	REINFORCING, REINFORCE(D)			
C-TILE CAB	CARPET TILE CABINET	GT GWT	GLASS TILE GLAZED WALL TILE	REM REQ'D	RECESSED ENTRY MAT REQUIRED			
СВ	CHALKBOARD	GYP	GYPSUM	RES	RESINOUS FLOORING			
CCTV	CLOSED CIRCUIT TELEVISION	Н	HIGH	RFT	RUBBER FLOOR TILE			
CEM CFSF-NS	CEMENT COLD FORMED STEEL FRAMING, NON-STRUCTURAL	HB HBD	HOSE BIBB HARDBOARD	RH RL	RIGHT HAND RAIN LEADER			
CFSF-S	COLD FORMED STEEL FRAMING, STRUCTURAL	HDC	HOLD DOWN CLIPS	RM	ROOM			
CG	CORNER GUARD	HDNR	HARDENER	RO	ROUGH OPENING			
CI CIPC	CONTINUOUS INSULATION CAST IN PLACE CONCRETE	HDWD HDWR	HARDWOOD HARDWARE	RSF RSR	RUBBER SHEET FLOORING RESILIENT STAIR RISER			
CJ	CONTROL JOINT	HM	HOLLOW METAL	RST	RESILIENT STAIR TREAD			
CL	CLOSET	HORIZ	HORIZONTAL	RT	RIGHT			
CLG CLR	CEILING CLEAR	HPC HPFP	HIGH PERFORMANCE COATINGS HIGH PERFORMANCE FLOOR PAINT	RTU SAB	ROOFTOP UNIT SOUND ATTENUATION BLANKET			
CM	CENTIMETER	HT	HEIGHT	SC-PLK	SECURITY CEILING PLANK			
CMBD	CEMENT BOARD	HVAC	HEATING, VENTILATING, AIR CONDITIONING	SC-PNL	SECURITY CEILING PANEL			
CMU CMU-A	CONCRETE MASONRY UNIT CONCRETE MASONRY UNIT - ACOUSTICAL	ID IN	INSIDE DIAMETER INCH, INCHES	SCH SF	SCHEDULE SQUARE FEET / FOOT			
CMU-GF	CONCRETE MASONRY UNIT - GROUND FACE	INCL	INCLUDE, INCLUDING	SFRM	SPRAYED FIRE RESISTANT MATERIAL			
CMU-GLZ	CONCRETE MASONRY UNIT - GLAZED	INFO	INFORMATION	SHM	SECURITY HOLLOW METAL			
CMU-SPLF CO	CONCRETE MASONRY UNIT - SPLIT FACE CLEANOUT	INST INSUL	INSTALLATION INSULATION	SHTG SIM	SHEATHING SIMILAR			
COL	COLUMN	INT	INTERIOR	SPEC	SPECIFICATION			
CONC	CONCRETE	IRWC	IMPACT RESISTANT WALL COVERING	SPF	SPRAYED POLYURETHANE FOAM			
CONC-P CONC-SLR	CONCRETE WITH PIGMENT CONCRETE WITH SEALER / HARDENER	IWB JAN	INTERACTIVE WHITE BOARD JANITOR	SPR SQ	SPRINKLER SQUARE			
CONC-ST	CONCRETE WITH STAIN	JCT	JUNCTION	SQ FT	SQUARE FEET / FOOT			
CONST	CONTRUCTION	JT '	JOINT LENGTH/LONG	SRD	SECONDARY ROOF DRAIN			
CONT CONTR	CONTINUOUS CONTRACTOR	L LAB	LENGTH/LONG LABORATORY	SS SSM	STAINLESS STEEL SOLID SURFACE MATERIAL			
CORR	CORRIDOR	LAHJ	LOCAL AUTHORITY HAVING JURISDICTION	ST	STREET			
CSMU	CAST STONE MASONRY UNIT CERAMIC TILE	LAM LAV	LAMINATE LAVATORY	STC STD	SOUND TRANSMISSION COEFFICIENT STANDARD			
CT CTSK	COUNTERSINK, COUNTERSUNK	LH	LEFT HAND	STL	STEEL			
CU FT	CUBIC FEET / FOOT	LIN	LINOLEUM	STRUCT	STRUCTURAL			
CUST CW	CUSTODIAN / CUSTODIAL ALUMINUM CURTAIN WALL	LKR LMC	LOCKER LINEAR METAL CEILING	SUSP SV	SUSPENDED SHEET VINYL			
CWFD	CEMENTITIOUS WOOD FIBER DECK	LPS	LAMINATE PANEL SYSTEM	SWM	SECURITY WOVEN MESH / WOVEN ROD			
D	DEPTH/DEEP	LT	LIGHT	SYM	SYMMETRICAL			
DBL DEMO	DOUBLE DEMOLITION	LVR M	LOUVER METER	T T&G	TREAD TONGUE & GROOVE			
DETE	DETENTION	MACH	MACHINE	T.O.	TOP OF			
DF	DRINKING FOUNTAIN	MAS	MASONRY	TB	TACKBOARD			
DG DHM	DOOR GRILLE DETENTION HOLLOW METAL	MATL MAX	MATERIAL MAXIMUM	TEL Terr-C	TELEPHONE TERRAZZO CEMENTITIOUS			
DIA	DIAMETER	MB	MARKERBOARD	TERR-E	TERRAZZO EPOXY			
DIAG	DIAGONAL	MCM	METAL COMPOSITE MATERIAL	TERR-R	TERRAZZO RUBBERIZED			
DIM DIV	DIMENSION DIVISION	MCP MDO	METAL CEILING PANEL MEDIUM DENSITY OVERLAY	THHD THK	THRESHOLD THICKNESS, THICK			
DL	DOOR LOUVER	MECH	MECHANICAL	TOS	TOP OF STEEL			
DN	DOWN	MED	MEDIUM	TOW	TOP OF WALL			
DP DR	DAMPPROOFING DISPLAY RAIL	memb mfr	MEMBRANE MANUFACTURER	TS TV	TACK STRIP TELEVISION			
DS	DOWNSPOUT	MIF	MULTICOLOR INTERIOR FINISHING	TYP	TYPICAL			
DTL DWG	DETAIL DRAWING	MIN MIR	MINIMUM MIRROR	UC UG	UNDERCUT UNDERGROUND			
DWR	DRAWER	MISC	MISCELLANEOUS	UH	UNIT HEATER			
EA	EACH	MLDG	MOLDING	UNO	UNLESS NOTED (INDICATED) OTHERWISE			
EF EFS	EXHAUST FAN EXTERIOR FINISH SYSTEM	MO MPS	MASONRY OPENING MANUAL PROJECTION SCREEN	VAT VB	VINYL ASBESTOS TILE VAPOR BARRIER			
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	MR	MAP RAIL	VCT	VINYL COMPOSITION TILE			
EJ	EXPANSION JOINT	MT	MOUNT	VDB	VISUAL DISPLAY BOARD			
EL ELAS	ELEVATION ELASTOMERIC	MTD MTL	MOUNTED METAL	VERT VEST	VERTICAL VESTIBULE			
ELEC	ELECTRICAL	NA	NOT APPLICABLE	VFCT	VINYL FREE COMPOSITION TILE			
ELEV	ELEVATOR	NIC	NOT IN CONTRACT	VFWC	VINYL FREE WALLCOVERING			
EMER EPS	EMERGENCY EXPANDED POLYSTYRENE	NO. NOM	NUMBER NOMINAL	VR VT	VAPOR RETARDER VINYL TILE			
EPX	EPOXY	NRC	NOISE REDUCTION COEFFICIENT	VTR	VENT THROUGH ROOF			
EQ	EQUAL	NTS	NOT TO SCALE	VWC	VINYL WALL COVERING			
EQUIP ETR	EQUIPMENT EXISTING TO REMAIN	OC OD	ON CENTER OUTSIDE DIAMETER	W W/	WIDE, WIDTH WITH			
EWC	ELECTRIC WATER COOLER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	W/O	WITHOUT			
EXII	EXISTING	OPNG OPR UD	OPENING OPPOSITE HAND	WC	WATER CLOSET			
EXH EXP	EXHAUST EXPANSION	OPP HD OVHD	OPPOSITE HAND OVERHEAD	WCP WD	WOOD CEILING PANEL WOOD			
EXPC	EXPOSED CONSTRUCTION	P-TILE	PORCELAIN TILE	WDW	WINDOW			
EXT	EXTERIOR	PC	PRECAST	WP	WATERPROOFING			
FAAF FD	FLUID APPLIED ATHLETIC FLOORING FLOOR DRAIN	PERF PERIM	PERFORATED, PERFORATION(S) PERIMETER	WPT WSCT	WORKING POINT WAINSCOT			
FE	FIRE EXTINGUISHER	PIP	POURED IN PLACE	WSF	WOOD SPORTS FLOORING			
FEB FEC	FIRE EXTINGUISHER BRACKET	PLAM PLAS	PLASTIC LAMINATE PLASTER	WT WWF	WEIGHT WEI DED WIRE FARRIC			
FEC FF	FIRE EXTINGUISHER CABINET FINISHED FLOOR	PLAS PLWD	PLASTER PLASTIC LAMINATE WOOD	XPS	WELDED WIRE FABRIC EXTRUDED POLYSTYRENE			
FGL	FIBERGLASS	PLYWD	PLYWOOD					



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PREPARED FOR A SPECIFIC PROJECT AND SHALL NOT BE USED IN CONJUNCTION WITH ANY OTHER PROJECTS WITHOUT PRIOR WRITTEN PERMISSION OF THE ARCHITECT. @-MHAworks 2023





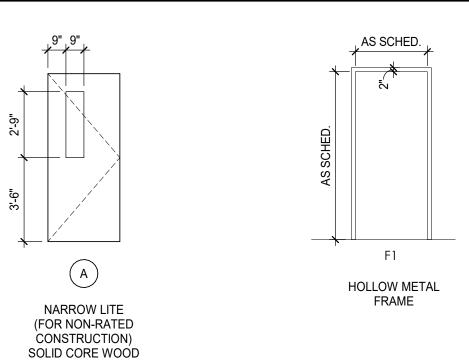
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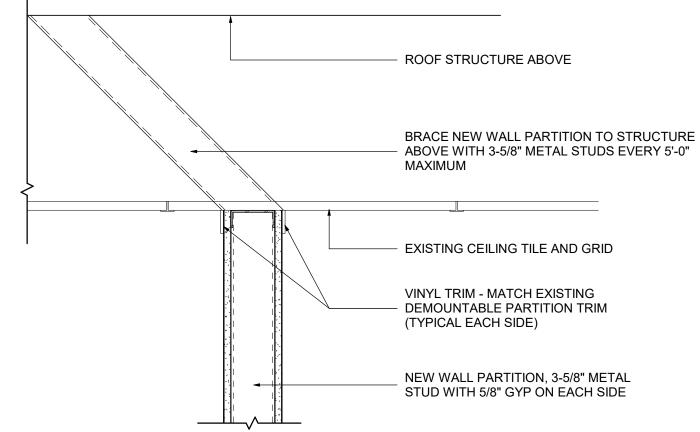
SHEET NAME: GENERAL **ARCHITECTURAL** INFORMATION CD PHASE

ISSUE DATE: 03/28/24 PROJECT #: **23109** DRAWN BY: **N.A.**

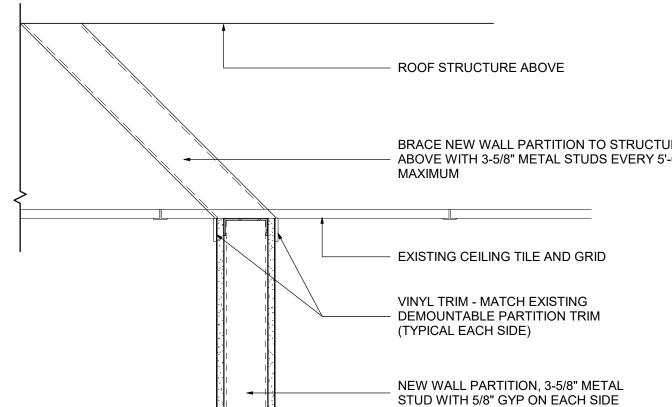


DOOR PANEL TYPES

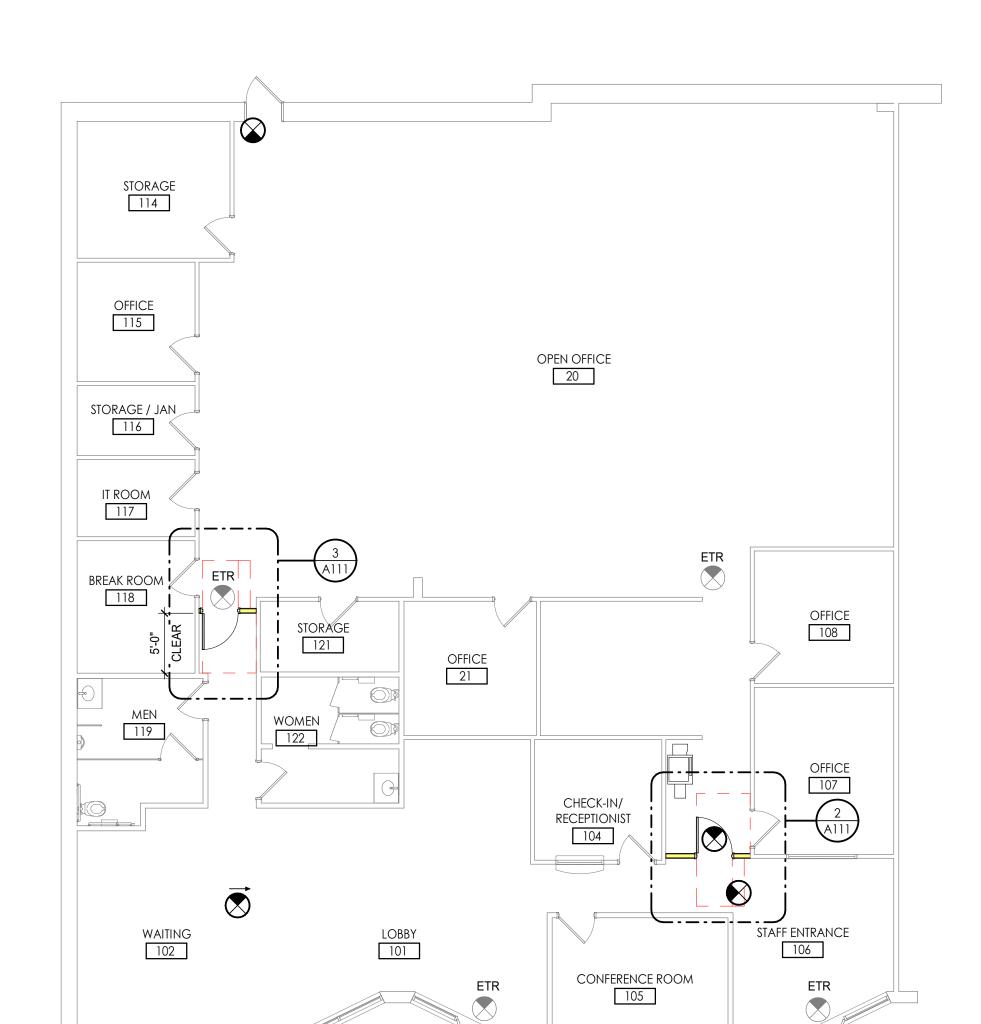
1/4" = 1'-0"





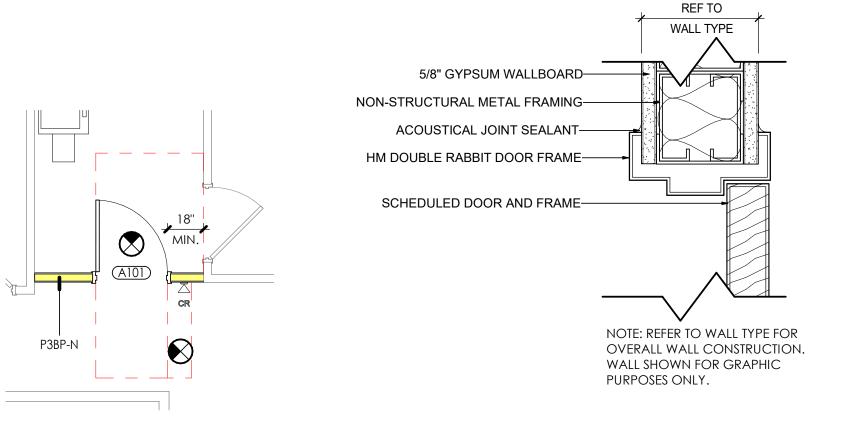






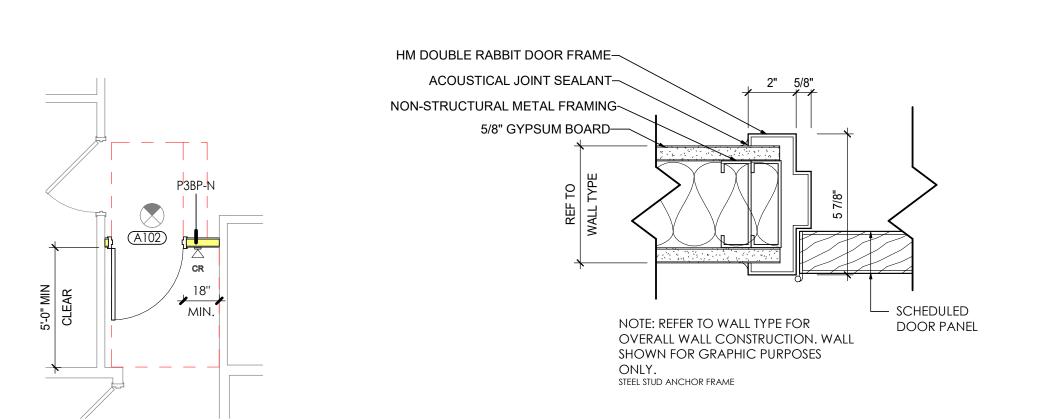
DOOR FRAME TYPES



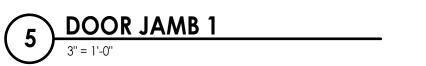


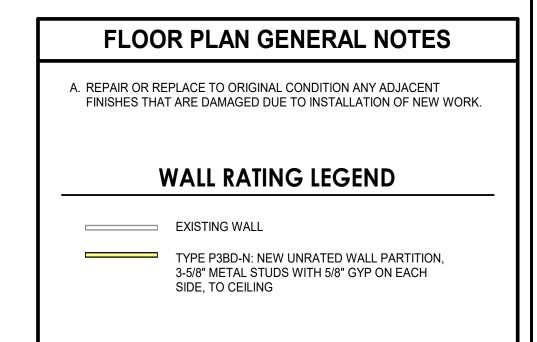












DOOR & FRAME GENERAL NOTES:

A. DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS. COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINE ALL COMPONENTS (E.G., SEALANT, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.

B. DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G., ELEVATIONS).

EXISTING CEILING -

VINYL TRIM EA. SIDE -

3-1/2" BATT INSULATION -

3-5/8" MTL. STUD @ 16" O.C. -

5/8" GYPSUM WALL BOARD -

5/8" GYPSUM WALL BOARD —

3-5/8" MTL. STUD @ 16" O.C. W/ 3-1/2" BATT INSULATION

5/8" GYPSUM WALL BOARD

RATING: 0

BOTH SIDES (OR AS REQUIRED)

DESCRIPTION OF VARIATION

BASE, MATHC EXISTING -

ACOUSTICAL JOINT

SEALANT

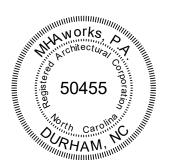
SECTION

TYPE G - 3-5/8" MTL. STUD @ 16" O.C. W/ 3-1/2" BATT INSULATION & 5/8" GWB

ACOUSTICAL JOINT SEALANT



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SHEET NAME: **LEVEL 1 - FLOOR PLAN**

CD PHASE ISSUE DATE: 03/28/24

PHASE:

PROJECT #: **23109** DRAWN BY: N.A.

SHEET NUMBER

REFLECTED CEILING PLAN NOTES

- A. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON
- B. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICTED OTHERWISE.
- C. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATIONS OF SUCH HEADS, IF ANY.
- D. THESE PLANS ATTEMPT TO INDICATE ALL ITEMS THAT ARE INSTALLED OR MOUNTED ON OR IN THE CEILING. HOWEVER, SOME ITEMS MAY NOT BE INDICTED, AND THEY DO NOT INDICATE WALL MOUNTED DIFFUSERS, LIGHTING, EXIT SIGNS, ETC. REFER TO ALL CONTRACT DOCUMENTS TO DETERMINE EXACT QUANTITY AND LOCATION OF ITEMS NOT INDICATED. IF AN ITEM IS NOT INDICATED ON REFLECTED CEILING PLAN, VERIFY LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- E. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND QUANTITIES ONLY. REFLECTED CEILING PLAN SHALL GOVERN LOCATIONS OF ELECTRICAL FIXTURES, MECHANICAL DIFFUSERS, AND GRILLS. NOTIFY ARCHITECT OF ANY CONFLICT WITH LOCATIONS INDICATED ON THE DRAWINGS.
- F. LOCATION OF CEILING ACCESS PANELS ARE APPROXIMATE, CONFIRM FINAL LOCATION IN EACH ROOM TO PROVIDE EASE OF ACCESS TO FINAL CONDUIT LOCATIONS AND ARCHITECT / OWNER'S ELECTRICAL STAFF APPROVAL PRIOR TO INSTALLATION.

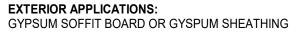
CEILING PLAN LEGEND

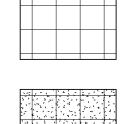
	INTERIOR APPLICATIONS:
ETR -	EXISTING TO REMAIN
1' - 0" -	CEILING HEIGHT A.F.F. UNO
CL88 -	CEILING TYPE
1005	ROOM NUMBER





2' - 0" x 2' - 0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED





1 HR RATED HORIZONTAL SHAFT WALL ABOVE ACP

CEILING

DESCRIPTION

MATCH

EXISTING

ACCESS PANEL

EXTERIOR WALL INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK

INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY

INTERIOR WALL/PARTITION 6" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHEIVE RESULTS DESIRED, EXTEND

LIGHTING FIXTURES SCHEDULE - SEE ELEC. DWGS FOR...

TYPE

2'X4'

WALL HEIGHT SO WALL

BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES. INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING

EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE

WORK

COMMENTS

REVISION \$: DESCRIPTION: DATE

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Together, we create.

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SHEET NAME: **LEVEL 1 - REFLECTED CEILING PLAN** PHASE:

CD PHASE

ISSUE DATE: 03/28/24 PROJECT #: **23109** DRAWN BY: **N.A.**

SHEET NUMBER

PART 1 - GENERAL 1.1 DESCRIPTION OF THE WORK

- A. Work under this section includes, but is not necessarily limited to, furnishing and installing the following:
- 1. Lighting and power distribution system. 2. Provide lighting fixtures per light fixture schedule
- with lamps to match.
- 3. Wiring devices, boxes, cover plates, etc. 4. Source of power for all items of equipment.
- 5. Grounding. 6. Other requirements and/or systems where shown. B. All work shall be complete and Items, equipment, etc.,
- shall be electrically connected for proper and correct operation.
- C. All work under this contract shall be installed in accordance with the latest edition of the following codes and
- standards insofar as they apply:
- t. The 2020 National Electrical Code.
- 2. The National Electrical Safety Code. 3. Underwriter's Laboratories, Inc., Standards and
- approved listings or other approved 3rd party listing agency.
- 4. Electrical Testing Labatories standards.
- 5. 2018 North Carolina State Building Code. 6. 2018 North Carolina State Energy Code.
- D. The Electrical Contractor shall be licensed in the State of North Carolina and have all local licenses required for the work.
- E. Local permits are not required. All work must be inspected by the Office of State Construction state electrical inspector and the Engineer of Record. Provide certificate of inspection and approval from the state electrical inspector prior to the final inspection. The electrical contractor is responsible for contacting the state electrical inspector for all required inspections. All scheduling shall be Monday through Friday unless otherwise exempted by SCO
- F. All work shall be done by skilled mechanics and shall present a neat, trim, workmanlike condition when complete.
- 1.2 INTENT
- A. The intent of these specifications and the accompanying drawings is to convey as reasonably as possible the requirements for a complete job ready for the building to operate. The Electrical Contractor shall take this into consideration and include in his base bld allowance for contingencies as will allow him to provide minor pieces of equipment and labor not specifically indicated but required for the job to operate properly, at no additional cost to the Owner.
- 1.3 COORDINATION
- A. Coordinate work with other contractors. Notify Architect of apparent conflicts early to expedite construction. If structural damage appears imminent, stop work and notify Architect for a decision before resuming operations.
- 8. Locations shown are approximate. The drawings do not give exact details as to elevations and locations of various pipes, fittings, ducts, conduit, etc., and do not show all offsets and other installation details which may be required. Coordinate all locations with architect before any rough—in.
- 1.4 SHOP DRAWINGS
- A. Shop drawings shall be submitted for panels and service equipment lighting, wiring devices, and cover plates. These may consist of the manufacturer's standard catalog or tear sheets and shall have the exact items being offered clearly identified.

PART 2 - PRODUCTS AND MATERIALS

- 2.1 GENERAL
- A. All material shall be new and shall bear the manufacturer's name, trade name, and be third party acceptable to NCDOI listed and labeled where such standard has been established for the particular material. Materials shall be the standard products of manufacturer regularly engaged in the manufacturer of the required type of equipment and the manufacturer's latest approved design.
- 1. Boxes installed in concealed locations shall be set flush with
- the finished surfaces. 2. Provide rated boxes in all fire barriers & walls installed per code.

Ground- Green

- A. Conductors shall be color coded, sizes #4 and larger may be color taped on the job. Color coding shall comply with 2017 NEC. 120/240V, 1 phase Phase A— Black Phase B— Red Neutral— White
- 480/277V, 3 phase Phase A— Brown Phase B- Orange Chase C- Yellow Neutral -- Natural Gray
- Ground- Green B. Conductors shall be manufactured by Dodge, Southwire, Daycon Systems or approved equal. Conductors shall meet the latest requirements of NEMA and IPCEA and shall be third party acceptable to NCDOI approved.
- C. Conductors shall be spliced and taped as follows: 1. Size #10 and #12, use Ideal "Wing Nuts" or T&B "Piggy" connectors. Connectors shall be rated for 150 degrees C for use in recessed lighting fixtures.
- 2. Size #8 and larger shall be solderless screw and screw-clamping type, smoothly covered and shaped with rubber gum type with final cover vinyl plastic electrical type. In lieu of rubber gum and vinyl plastic type, factory fabricated approved preformed insulating covers may be used. All connectors shall
- be UL approved. 3. No split-boit type connectors may be used.
- D. All branch wire and connections shall be copper and sized per National Electric Code with a minimum size of #12.
- E. All conductors shall be continuous without splice between junction, cutlet, device boxes, etc. No splicing will be permitted in panelboard cabinets, safety switches, etc.
- F. All wiring in mechanical spaces shall be plenum rated.
- G. Provide GFI protection within 6'-0" of any sink.
- H. Multi-wire branch circuits are not allowed per SCO Guidelines
- 2.3 PANELBOARDS, SAFETY SWITCHES
- A. Panelboards shall comply with NEMA Standard PB 1 Latest Edition and as manufactured by Square D or ITE-Siemens. All panel boards must have copper buses and bolt-in breakers.
- 8. Safety switches shall be heavy duty type, size and rating as required for lead service. Safety switches shall be fused or unfused as shown and/or as required. Safety switches serving motor loads shall be harsepower rated for load served.

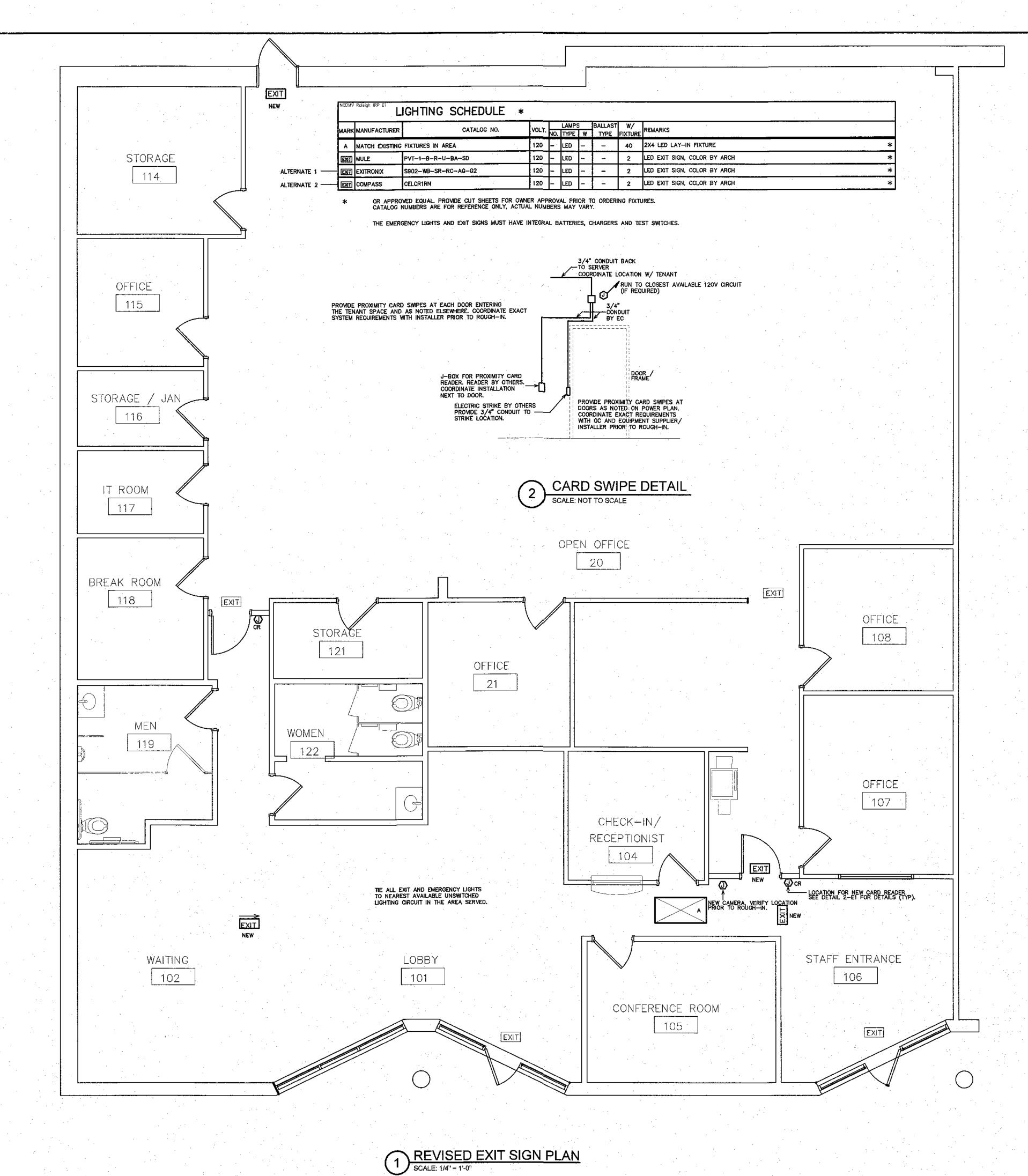
- 2.4 WRING DEVICES
- A. Wiring devices shall be federal specification by Bryant, Leviton, Cooper or approved equal. With matching cover. All exterior devices require "extra-duty" rated weatherproof while in use covers. Color by Architect.
- B. Wiring devices installed under a Kitchen Hood shall have stainless steel covers.
- C. Wiring devices installed over counters shall comply with ANSI A117.1.
- 2.7 CONDUIT
- A. PVC conduit will be allowed under slab. Provide rigid turn-ups.
- B. All exposed conduit shall be rigid steel where exposed to the elements, located less than 8'-0" above grade or where exposed to hozordous conditions. C. EMT conduit, above slab, conceded or exposed above 8'~0" shall be used
- through out the project. D. Metalic sheathed "MC" cable should not be used for this project, without designer authorization. MC cable is allowed for light whips 6'-0" or less and where concealed with-in existing construction to minimize demolition work. If used, MC cable shall be 1/2" with minimum #12 AWG copper wire and green insulated copper ground.
- PART 3 EXECUTION

3.1 CIRCUIT GROUNDING

- A. All circuits shall contain an insulated, green, copper grounding conductor, sized in accordance with Table 250-122 of the NEC. Grounding conductors shall be connected to equipment grounding bus in panelboard and securely attached and grounded to the device or enclosure at the other end.
- 3.2 GROUNDING TYPE CONVENIENCE OUTLETS AND SWITCHES
- A. Outlets and switches shall be solidly grounded to equipment grounding system with a green colored insulated conductor. Electrical connections shall be continuous from equipment ground bus in panelboard to the hex nut on the convenience outlet or switch.
- 3.3 MOTORS
- A. All motors shall be connected to conduit system with short length (minimum length 24" and maximum length 36") of flexible liquidtight
- 3.4 EQUIPMENT LABELING
- A. Provide permanent penolic plastic name plates for all panelboards, safety switches, wiring troughs, etc., for identification of equipment controlled, services, etc. Nameplates shall be securely and permanently attached to equipment with stainless steel screws. Nameplates shall include the name of the equipment and where it is fed from. Color Coding-Blue surface with white core- 120/240v equipment Black surface with white core- 277/480v equipment Bright red surface with white core- fire alarm systems Dark red surface with white core— security systems Green surface with white core— "emergency" systems Orange surface with white core- telephone systems Brown surface with white core- data systems White surface with black core— paging systems Purple surface with white core- TV systems
- B. All switch plates, receptacle plates and outlet covers shall be labeled
- with machine printed vinyl labels identifying the circuit(s) within.
- C. All empty conduit runs shall be identified and indicated where they terminate.
- D. Provide typewritten directory in each panelboard to clearly identify each circuit, service, etc.
- 3.5 JUNCTION AND/OR PULL BOXES
- A. Boxes shall be installed where necessary to avoid excessive runs and/or too many bends between outlets.
- 3.6 PULL WIRE A. Leave pull wire in each empty conduit run.
- A. All grounding shall be in accordance with Article 250 of the NEC.
- In addition, the following requirements shall be met: 1. Grounding conductors shall be installed as to permit the shortest and most direct path from equipment to ground. All connections to grounding conductors shall be accessible.
- 2. Equipment ground continuity shall be maintained through
- fiexible metal conduit. 3. All wiring devices equipped with grounding connection shall be
- solidly grounded to ground system with grounding conductors. 4. The frame of all lighting fixtures shall be securely grounded
- to the equipment ground system with grounding conductors. 5. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be
- effectively and adequately bonded to ground. 6. All equipment enclosures, and non-current-corrying metallic parts of electrical equipment, raceway systems, etc., shall be
- effectively and adequately bonded to ground. 7. The raceway system shall not be relied on for ground continuity
- A green grounding conductor, property sized per NEC table 250-122, shall be run in all power raceways. 8. Provide ground resistance testing for all service grounds upon completion

of grounding & bonding system per 2020 SCO guidelines 26 08 00 B

- 3.8 ELECTRICAL WORK IN CONNECTION WITH OTHER WORK
- A. The trade(s) furnishing equipment will provide disconnect switches, motor starters, and make final equipment connections. ELECTRICAL CONTRACTOR will make line side connections to disconnect switches or motor starters.
- 3.9 CLEAN UP
- A. During construction, keep the site clean of debris. Upon completion, and before final inspection, clean up the premises to remove all evidence of work. In addition upon completion of construction leave equipment clean.
- 3.10 GUARANTEE
- A. Guarantee all materials and labor included in the electrical work for a period of one year from date of final acceptance by the Owner. Any part or parts of the work or equipment which prove to be defective during the guarantee period shall be replaced at no additional cost to the Owner.



BID SET

EIGH





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REVISIONS DATE

DATE ISSUED: 03/28/2024 DRAWN BY: CHECKED BY: BEB SHEET NO.