

APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: TOWN OF KERNERSVILLE POLICE ADMIN RENOVATION
 Address: 134 E. Mountain Street Kernersville, NC 27284 Zip Code: _____
 Proposed Use: Administrative Office
 Owner/Authorized Agent: Natalie McGhee Phone #: 336-992-0382 E-mail: nmcghee@toknc.com
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City Kernersville County _____ State _____

CONTACT:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural					
Civil					
Electrical	SKA Consulting Engineers	Joshua Boyer	055966	336-855-0993	jboyer@skaeng.com
Fire Alarm					
Plumbing	SKA Consulting Engineers	Marshall Thompson	054128	336-855-0993	mrthompson@skaeng.com
Mechanical					
Sprinkler-Standpipe					
Structural					
Retaining Walls > 5' High					
Interiors	Viibe	Heather Smith	410	336-404-7103	heather@viibedesign.com

(*Other* should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: New Building Addition Renovation 1st Time Interior Completion
 Shell/Core Phased Construction - Shell/Core

2018 NC EXISTING BUILDING CODE: Existing: Prescriptive Repair Chapter 14
 Alteration: Level I Level II Level III
 Historic Property Change of Use

CONSTRUCTED: (date) _____ **CURRENT OCCUPANCY(S)** (Ch.3): _____
RENOVATED: (date) _____ **PROPOSED OCCUPANCY(S)** (Ch.3): _____

BASIC BUILDING DATA
Construction Type: I-A II-A III-A IV V-A
 (check all that apply) I-B II-B III-B V-B

Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
Standpipes: No Yes **Class:** I II III IV Wet Dry
Fire District: No Yes **Flood Hazard Area:** No Yes
Special Inspections Required: No Yes (Contact the local inspection jurisdiction for additional procedures and requirements)

Gross Building Area Table
(Floor, Existing Sq.Ft., New Sq.Ft., Sub-Total, Total)

Floor	Existing (SF)	New (SF)	Subtotal (SF)
3rd Floor	---	---	---
2nd Floor	---	---	---
Mezzanine	---	---	---
1st Floor	---	---	---
Basement	2,158 SF	---	---
Total	2,158 SF	---	---

NOTE: *WORK IS LIMITED TO 2,158 SF OF CURRENT FACILITY*

ALLOWABLE AREA

Primary Occupancy: Assembly (303) A-1 A-2 A-3 A-4 A-5
 Business (304)
 Educational (305)
 Factory (306) F-1 Moderate F-2 Low
 Hazardous (307) H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional (308) I-1 Condition 1 2
 I-2 Condition 1 2
 I-3 Condition 1 2 3 4 5
 I-4
 Mercantile (309)
 Residential (310) R-1 R-2 R-3 R-4
 Storage (311) S-1 Moderate S-2 Low High Piled
 Parking Garage Open Enclosed Repair Garage
 Utility and Miscellaneous (312)

Accessory Occupancies: _____
Incidental Uses: (Table 509) _____
Special Uses: (CH. 4) _____
Special Provisions: (CH. 5) _____
Mixed Occupancy: No Yes

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: No Yes
 Exit Signs: No Yes
 Fire Alarm: No Yes
 Smoke Detection Systems: No Yes Partial _____
 Carbon Monoxide Detection: No Yes

TOWN OF KERNERSVILLE POLICE ADMIN RENOVATION



CONSULTANTS

INTERIOR DESIGN:
 Viibe
 939 Burke Street
 Suite B
 Winston-Salem, NC 27101

ELECTRICAL ENGINEER:
 SKA Consulting Engineers
 7900 Triad Center Drive
 Suite 2000
 Greensboro, NC 27409

PLUMBING ENGINEER:
 SKA Consulting Engineers
 7900 Triad Center Drive
 Suite 2000
 Greensboro, NC 27409

SHEET LIST

INTERIOR DESIGN:
 BCS - BUILDING CODE SUMMARY
 ID0.00 - LIFE SAFETY PLAN
 ID1.00 - WALL TYPES & GENERAL NOTES
 ID1.01 - DEMO PLAN & RCP
 ID1.02 - FLOOR PLAN & RCP
 ID2.01 - ELEVATIONS
 ID3.01 - SECTIONS & DETAILS
 ID4.01 - FINISH SCHEDULE & LEGEND
 ID4.02 - DOOR & WINDOW SCHEDULE
 ID5.01 - FURNITURE PLAN

PLUMBING:
 P1.1 - PLUMBING SPECIFICATIONS AND SCHEDULES
 P2.1 - PLUMBING FLOOR PLAN, SECTION, RISER DIAGRAM, AND DETAILS

ELECTRICAL:
 E1.1 - ELECTRICAL SYMBOLS AND ABBREVIATIONS
 E2.1 - ELECTRICAL FLOOR PLAN - DEMOLITION
 E3.1 - ELECTRICAL FLOOR PLAN - NEW POWER & SIGNAL
 E3.2 - ELECTRICAL FLOOR PLANS - NEW LIGHTING
 E4.1 - ELECTRICAL SPECIFICATIONS



SKA
 CONSULTING ENGINEERS
 SKA Consulting Engineers, Inc.
 7900 Triad Center Drive, Suite 200
 Greensboro, NC 27409-9075
 t: 336 855 0993
 www.skaeng.com
 NC License No. F-0588



**TOWN OF KERNERSVILLE POLICE
 ADMIN RENOVATION**
 134 E. Mountain Street Kernersville, NC 27284

REVISIONS	DATE

PROJECT NUMBER: 23-148
 ISSUE DATE: 5.31.24
 DRAWN BY: HS
 CHECKED BY: SA

SHEET
**BUILDING CODE
 SUMMARY**

BCS

REVISIONS	DATE

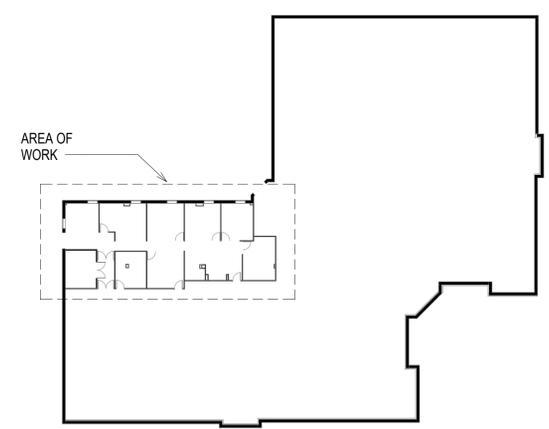
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SHEET
LIFE SAFETY PLAN
ID0.00



① Level 1 - Life Safety Plan
1/4" = 1'-0"

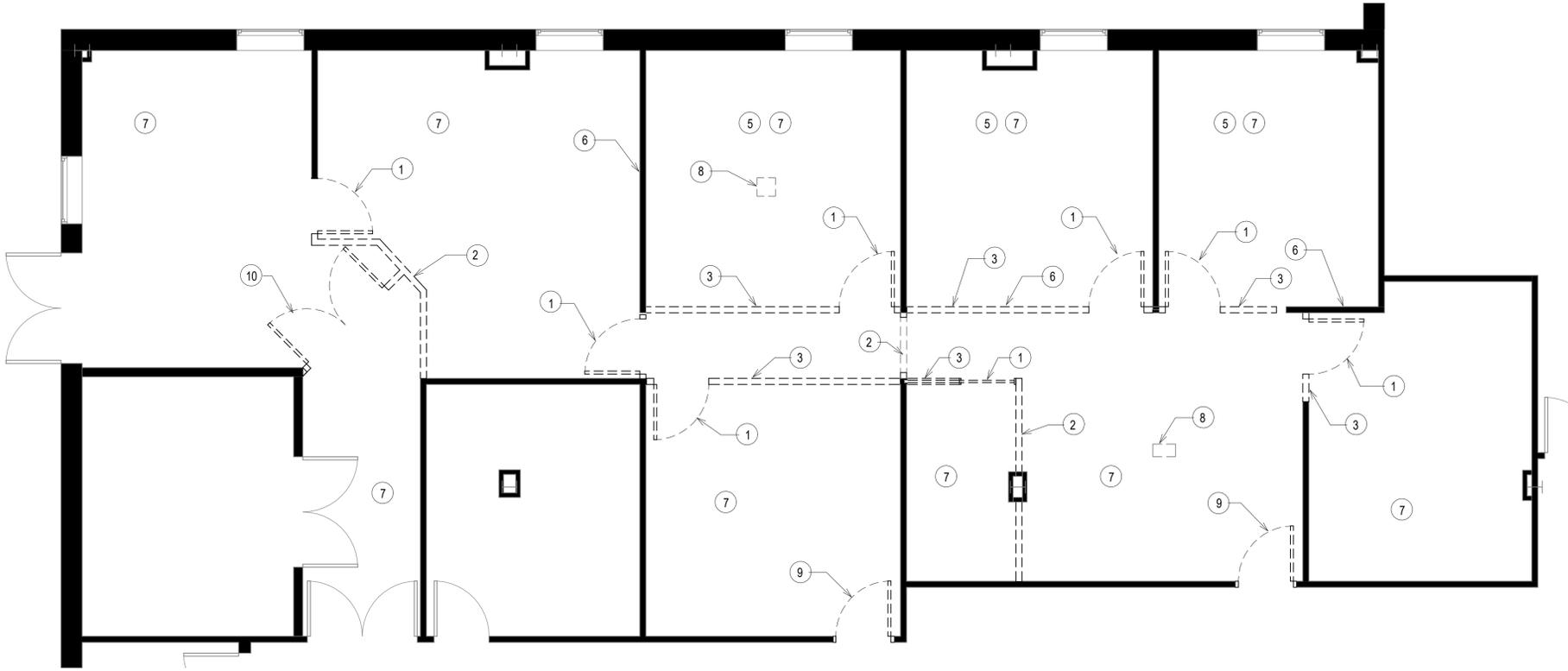
OCCUPANCY LOADS
TOTAL FLOOR AREA - B OCCUPANCY: 1,883 SF GROSS
OCCUPANCY LOADS: B OCCUPANCY (100 GSF): 1,883 GSF / 100 GSF = 18.83 (19)
REQUIRED EGRESS WIDTH (2 EXITS REQUIRED, LESS THAN 500 OCCUPANTS): 19 * 0.2 = 3.8' 36" PROVIDED
MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE (FEET) NON-SPRINKLED <30 OCCUPANTS = 100' PROVIDED = 87' - 6"
REQUIRED EXIT SEPARATION DIAGONAL DISTANCE - 83' - 2" 83'-8" / 2 = 41.833' (42)



② Level 1 - KEY PLAN
1/32" = 1'-0"



01 02 03 04 05 06 07 08 09 10



WALL LEGEND	
	EXISTING WALL
	NEW WALL
	DEMO WALL

DEMOLITION KEY NOTES:	
1	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED ANCHORS.
2	REMOVE EXISTING WALL, PATCH ADJACENT WALLS, FLOORS, AND CEILINGS AS REQUIRED FOR NEW FINISH.
3	REMOVE PORTION OF EXISTING WALL AS INDICATED, PATCH AND REPAIR ADJACENT WALLS, FLOORS, AND CEILINGS AS REQUIRED FOR NEW FINISH.
4	REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURES. TO BE REPLACED WITH NEW FIXTURE REFER TO ELECTRICAL DWGS.
5	REMOVE EXISTING WALLCOVERING, PATCH AND REPAIR FOR NEW FINISH.
6	REMOVE EXISTING TV, STORE AND PROTECT FOR RE-INSTALLATION IN NEW LOCATION.
7	REMOVE EXISTING FLOORING, PATCH AND REPAIR FOR NEW LVT FLOORING INSTALLATION.
8	DEMO EXISTING FLOOR BOX, PATCH AND REPAIR FOR NEW LVT FLOORING INSTALLATION.
9	REMOVE EXISTING DOOR, PREP FOR NEW WOOD DOOR. EXISTING FRAME TO REMAIN.
10	REMOVE EXISTING DOORS, STORE AND PROTECT DOORS FOR RE-INSTALLATION.
11	REMOVE EXISTING DIFFUSERS, STORE AND PROTECT FOR REINSTALLATION IN NEW CEILING.
12	DEMO EXISTING ACT & GRID, PATCH AND REPAIR ADJACENT WALLS FOR NEW CEILING INSTALLATION.

A

B

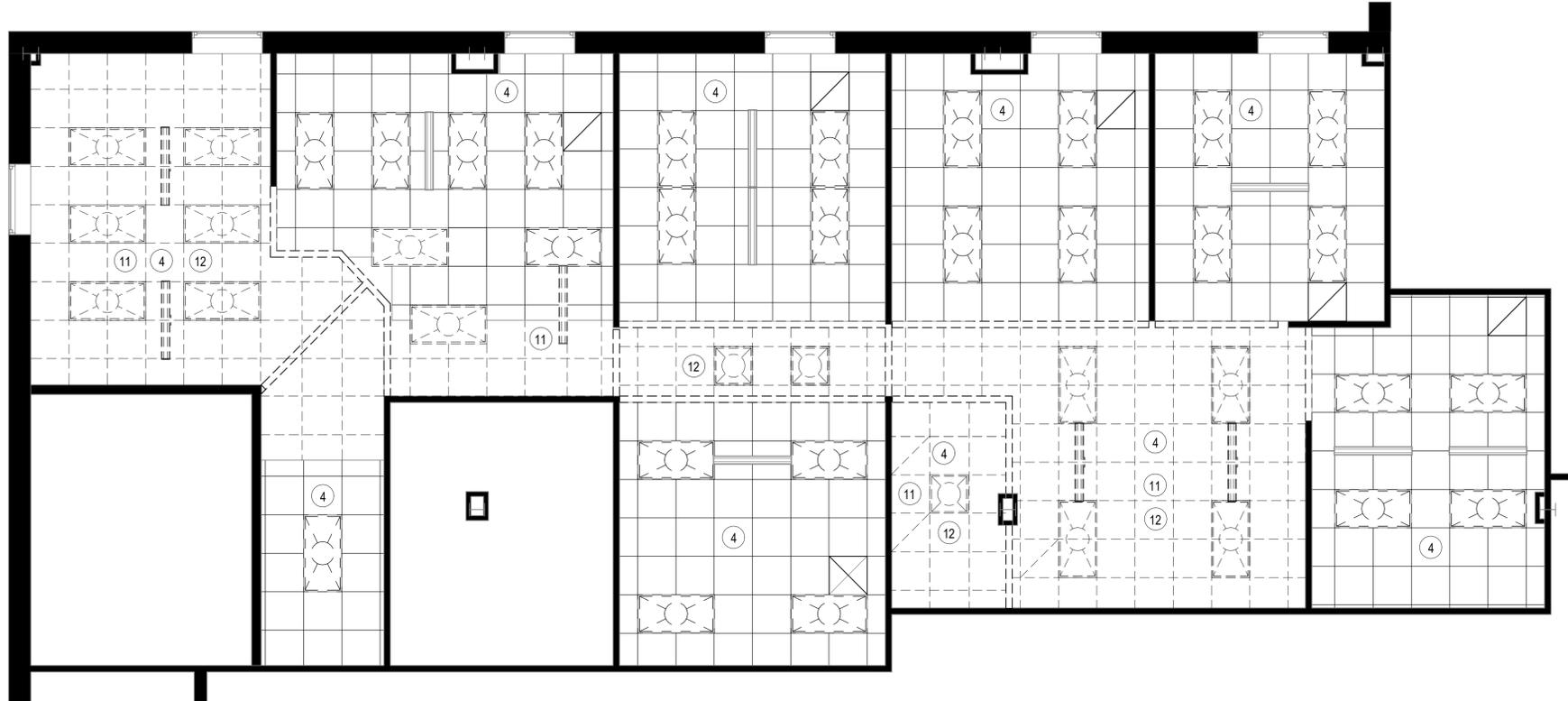
C

D

E

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

2 DEMO RCP
1/4" = 1'-0"



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SHEET
DEMO PLAN & RCP



ID1.01

01 02 03 04 05 06 07 08 09 10

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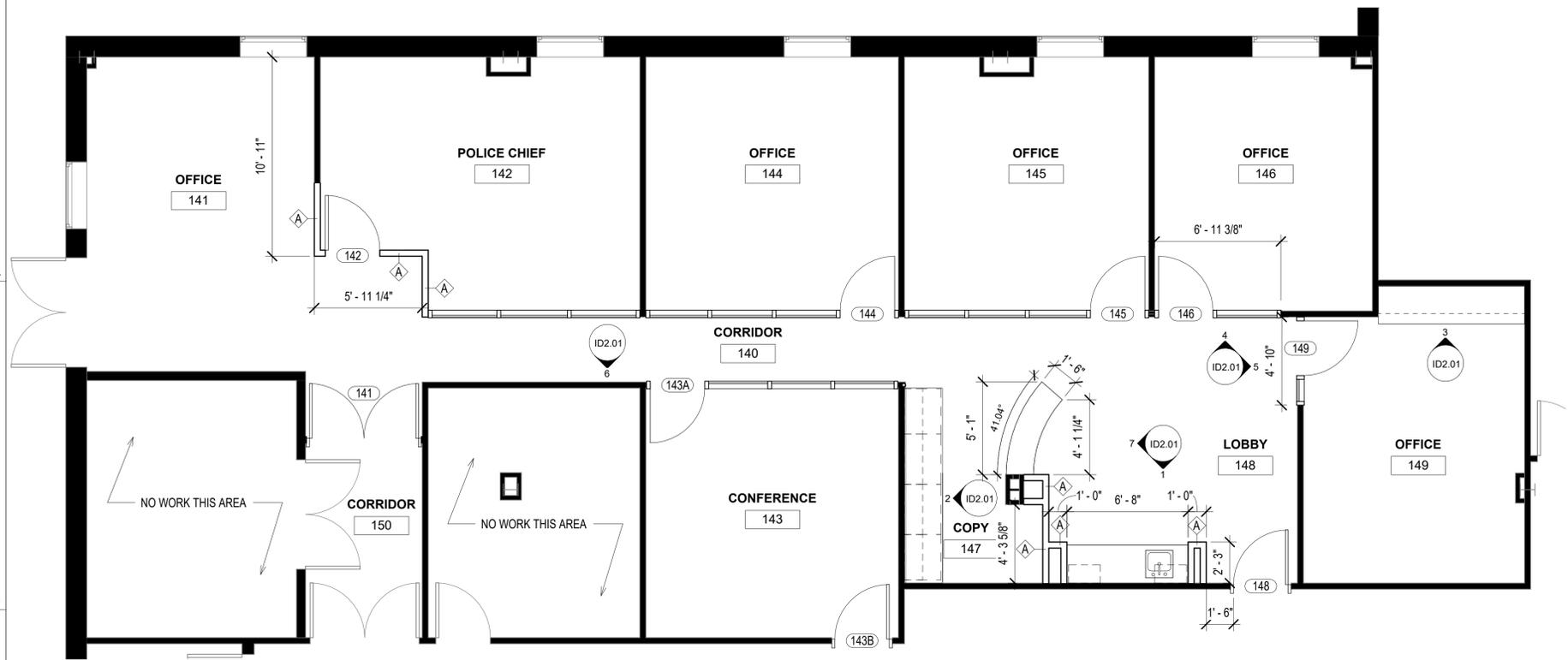
A

B

C

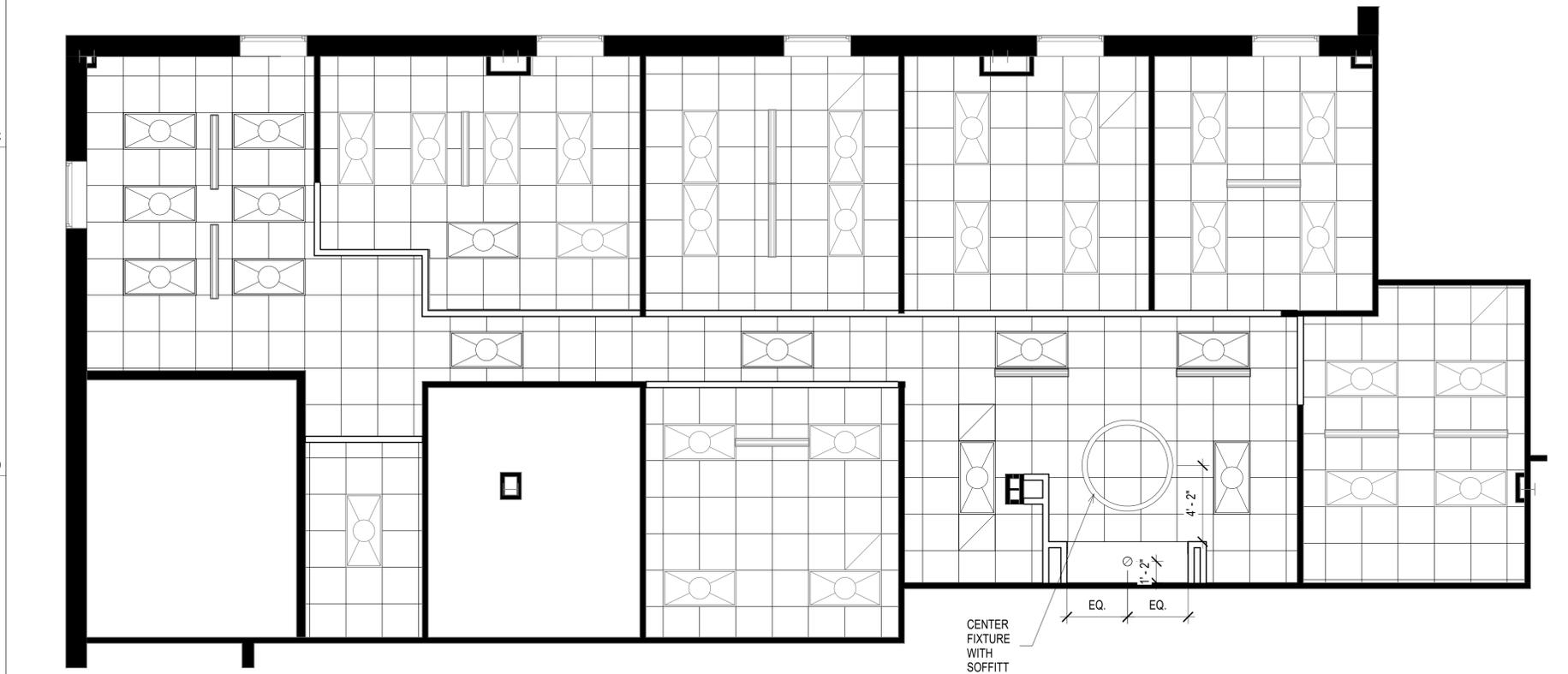
D

E



WALL LEGEND	
	EXISTING WALL
	NEW WALL
	DEMO WALL

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



CEILING SYMBOL LEGEND	
	6" RECESSED CAN LIGHT
	2X4 RECESSED TROFFER
	2X2 CEILING MOUNTED RETURN GRILL
	2X4 CEILING MOUNTED SLOT DIFFUSER
	60" PENDANT LIGHT FIXTURE
REFER TO ENGINEER DRAWINGS FOR SPECIFICATIONS	

2 REFLECTED CEILING PLAN
1/4" = 1'-0"



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SHEET
**FLOOR PLAN &
RCP**

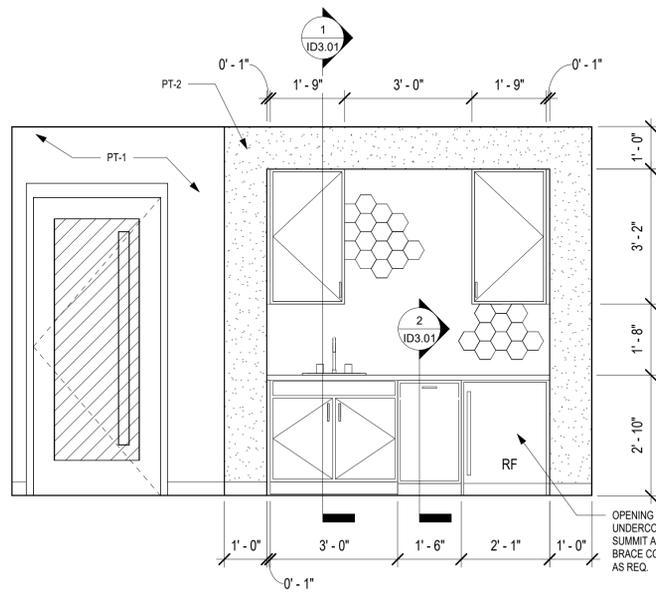
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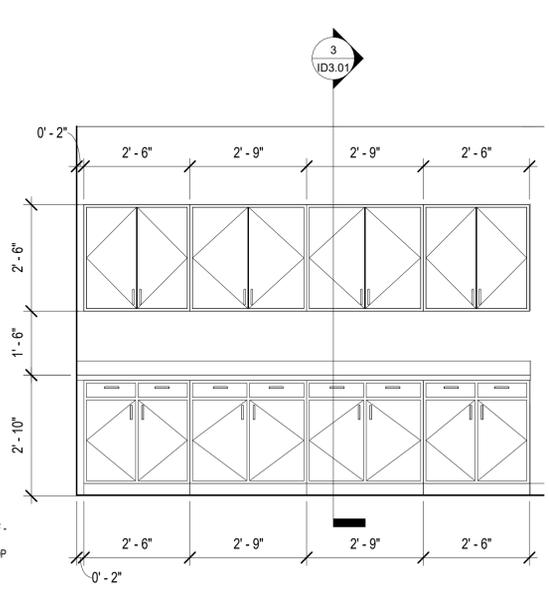
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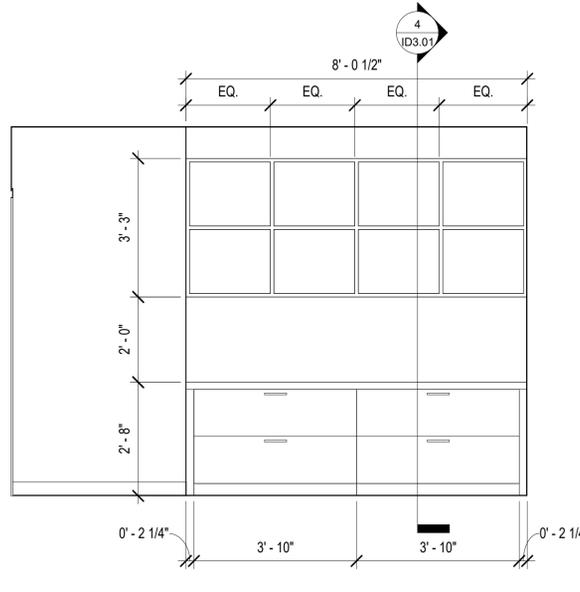
SHEET
ELEVATIONS



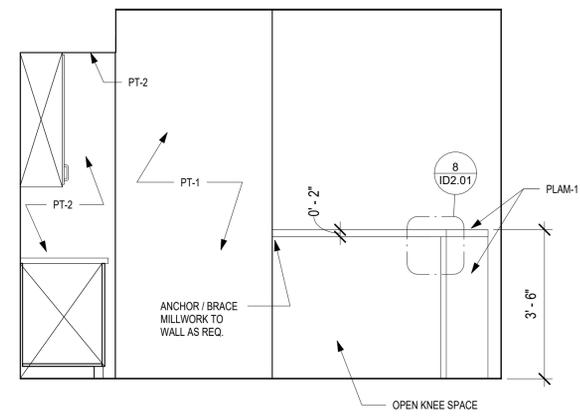
1 COFFEE BAR ELEVATION
1/2" = 1'-0"



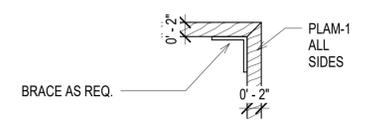
2 COPY / PRINT ELEVATION
1/2" = 1'-0"



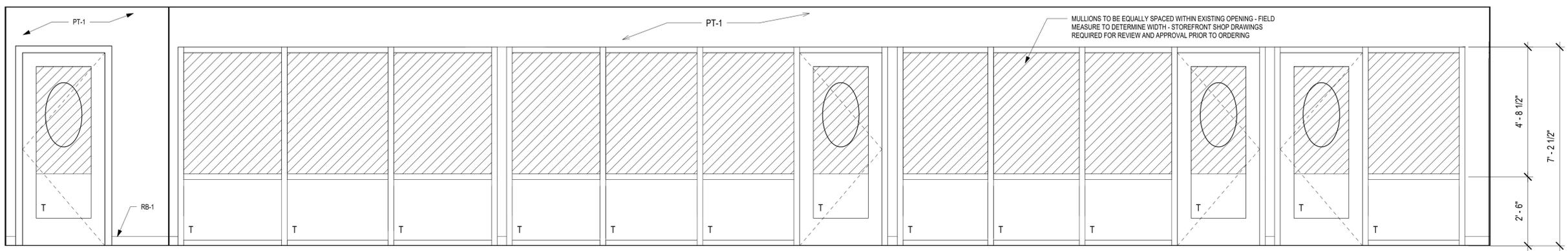
3 OFFICE STORAGE ELEVATION
1/2" = 1'-0"



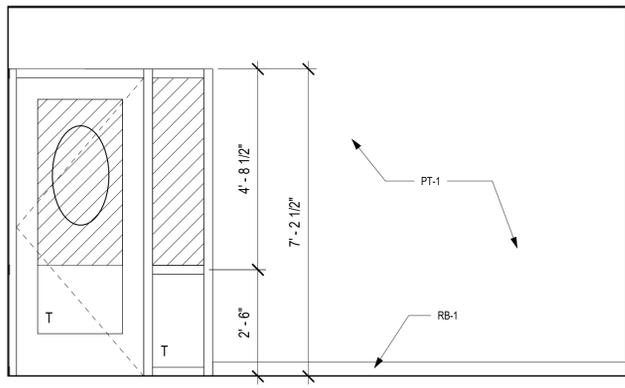
7 HIGH TOP SEATING MILLWORK
1/2" = 1'-0"



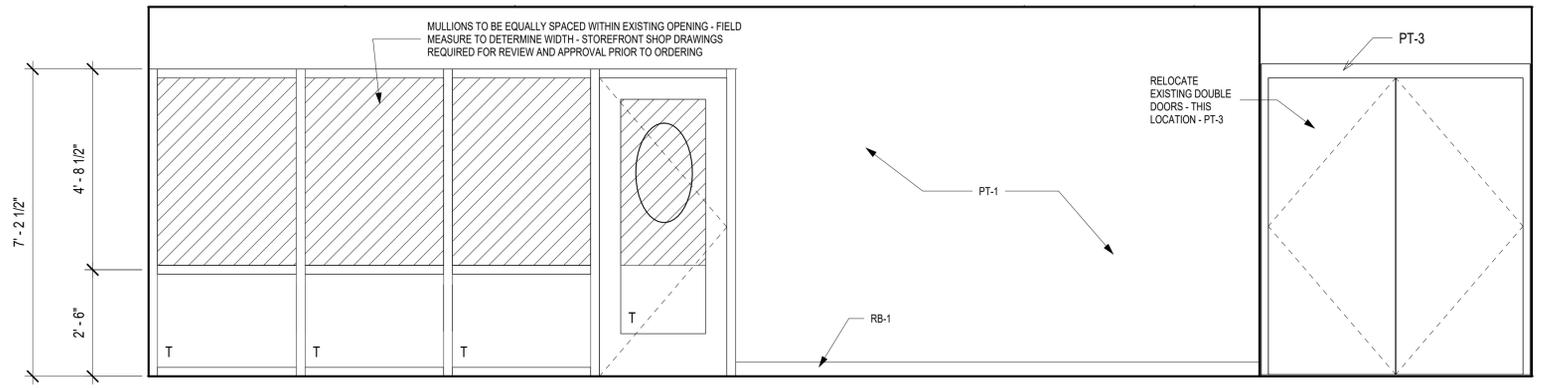
8 CORNER DETAIL
1" = 1'-0"



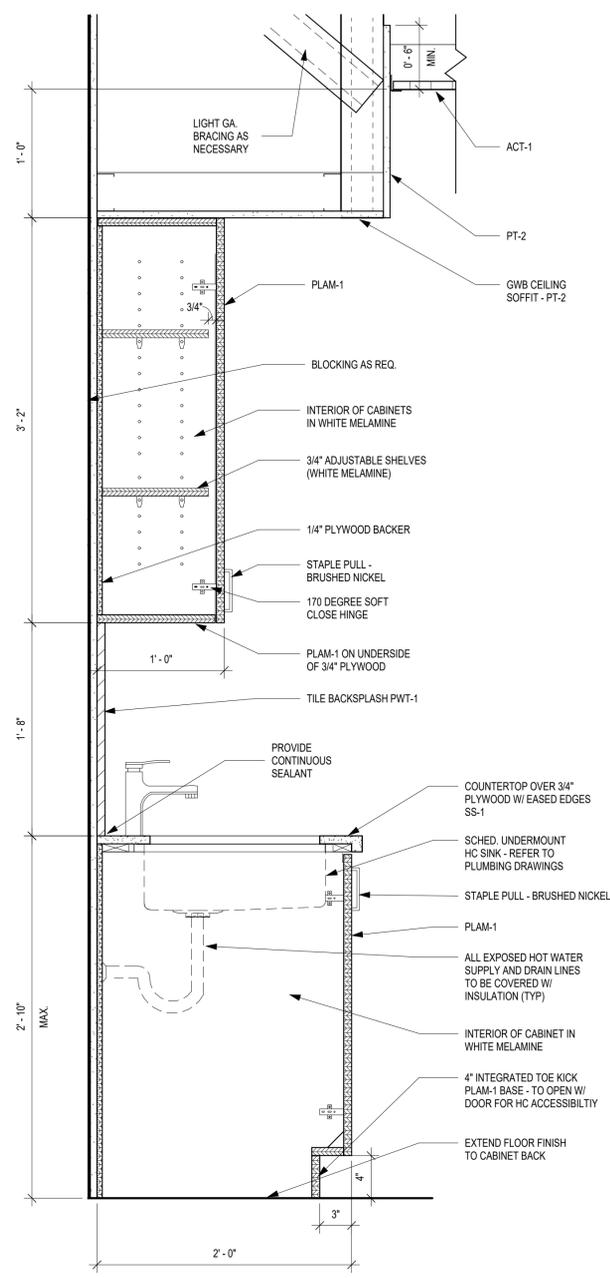
4 NORTH STOREFRONT ELEVATION
1/2" = 1'-0"



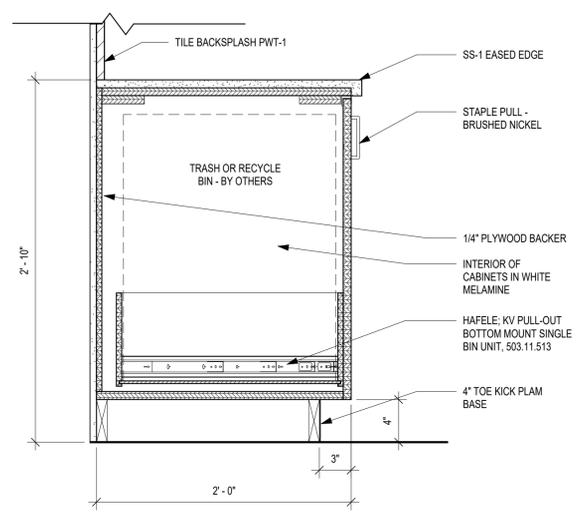
5 EAST STOREFRONT ELEVATION
1/2" = 1'-0"



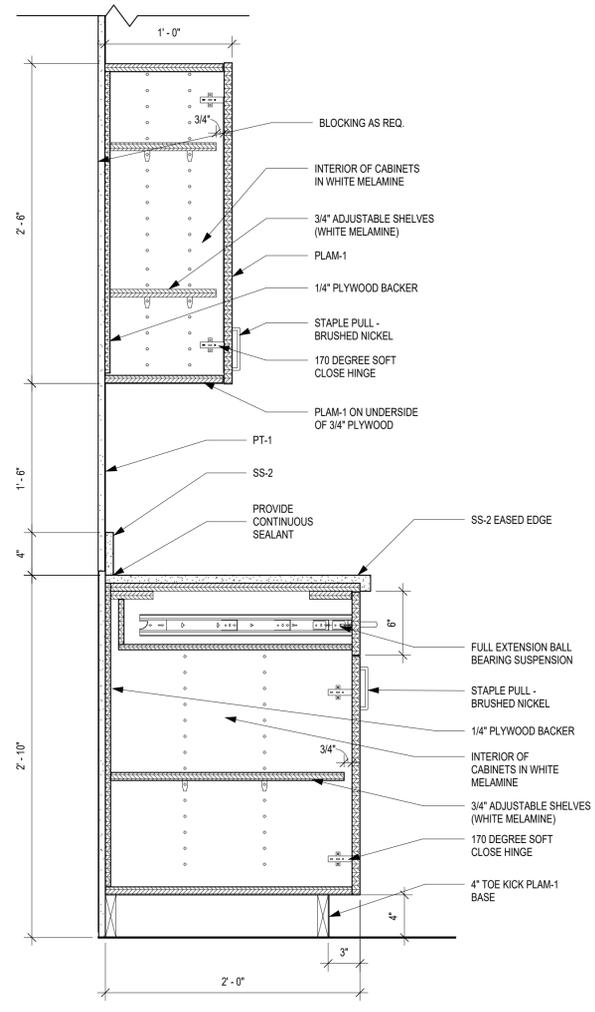
6 SOUTH STOREFRONT ELEVATION
1/2" = 1'-0"



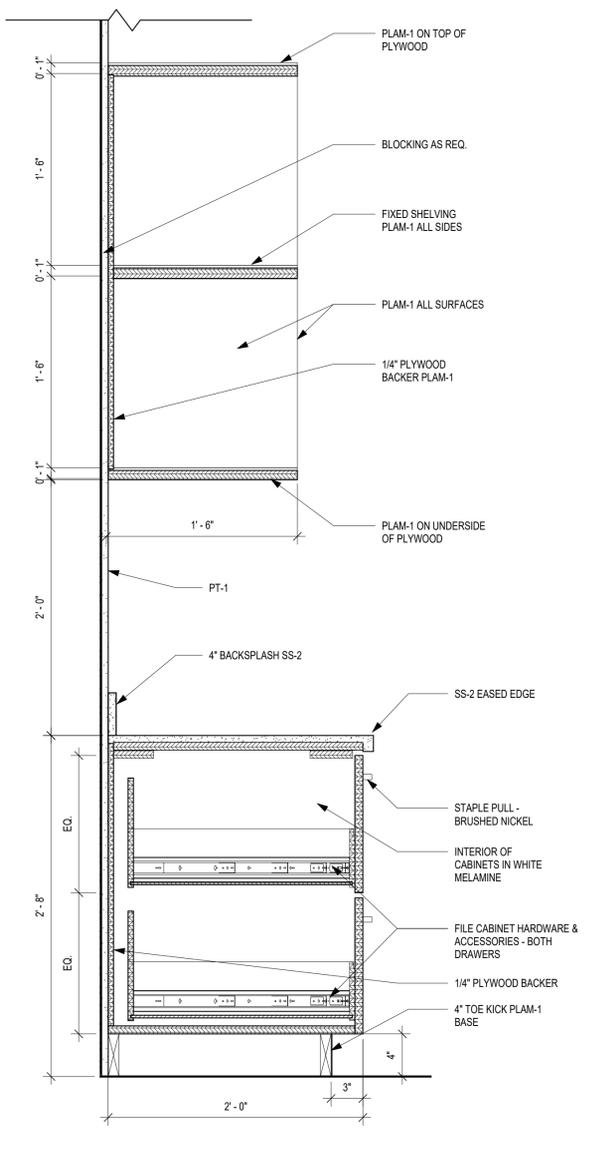
1 SINK CABINET SECTION
1 1/2" = 1'-0"



2 TRASH PULL OUT SECTION
1 1/2" = 1'-0"



3 COPY / PRINT MILLWORK SECTION
1 1/2" = 1'-0"



4 FILE CABINETS & CUBBIE SECTION
1 1/2" = 1'-0"



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SHEET
SECTIONS & DETAILS

ID3.01

Room Finish Schedule													
Room Number	Room Name	Floor Finish	Base Finish	Wall Finishes					Trim	Millwork Horizontal	Millwork Vertical	Ceiling Finish	Comments
				North Wall	East Wall	South Wall	West Wall	PT-1					
144	OFFICE	LVT-1	RB-1	PT-2	PT-1	PT-1	PT-1	PT-3	N/A	N/A	ETR	PT-3 ON WINDOW TRIM ONLY	
145	OFFICE	LVT-1	RB-1	PT-2	PT-1	PT-1	PT-1	PT-3	N/A	N/A	ETR	PT-3 ON WINDOW TRIM ONLY	
146	OFFICE	LVT-1	RB-1	PT-2	PT-1	PT-1	PT-1	PT-3	N/A	N/A	ETR	PT-3 ON WINDOW TRIM ONLY	
142	POLICE CHIEF	LVT-1	RB-1	PT-2	PT-1	PT-1	PT-1	PT-3	N/A	N/A	ETR	PT-3 ON WINDOW TRIM ONLY	
141	OFFICE	LVT-1	RB-1	PT-2	PT-1	PT-1	PT-2	PT-3	N/A	N/A	ACT-1	PT-3 ON WINDOW TRIM ONLY	
143	CONFERENCE	LVT-1, LVT-2	RB-1	PT-1	PT-1	PT-2	VWG-1	PT-3	N/A	N/A	ETR	PT-3 ON EXIST. DOOR FRAME ONLY	
149	OFFICE	LVT-1	RB-1	PT-1	PT-2	PT-1	PT-1	PT-3	SS-2	PLAM-1	ACT-1		
140	CORRIDOR	LVT-1, LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	PT-3	N/A	N/A	ACT-1	PT-3 ON 141 DOOR / FRAME ONLY	
148	LOBBY	LVT-1, LVT-2	RB-1	PT-1	PT-1	PT-1, PT-2, PWT-1	PT-1	PT-3	SS-1	PLAM-1	ACT-1	PT-3 ON EXIST. DOOR FRAME ONLY	
147	COPY	LVT-2	RB-1	N/A	PT-1	PT-1	PT-1	PT-3	SS-2	PLAM-1	ACT-1		
150	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-3	N/A	N/A	ETR	PT-3 ON 141 DOOR / FRAME ONLY	

VENDOR CONTACT LIST			
VENDOR	CONTACT NAME	EMAIL	PHONE
FLOORING			
J+J FLOORING	TIM BAUCOM	TIM.BAUCOM@J+JVISION.COM	919-599-5865
WALLS			
CROSSVILLE	ANN HARTLEY	AHARTLEY@MOSAICTILECO.COM	919-602-6125
MILLWORK			
FORMICA	STACEY WAUCHOPE	SWAUCHOPE@ATLANTICPLYWOOD.COM	704-962-6176
SILESTONE	MELANIE WINSTEAD	MWINSTEAD@COSENTINO.COM	984-389-6661
CORIAN	BARBARA DAVIS	BDAVIS@HLLMARK.COM	704-654-8498

PLEASE CONTACT VENDORS LISTED ABOVE FOR SPECIAL FINISH MATERIAL PRICING.

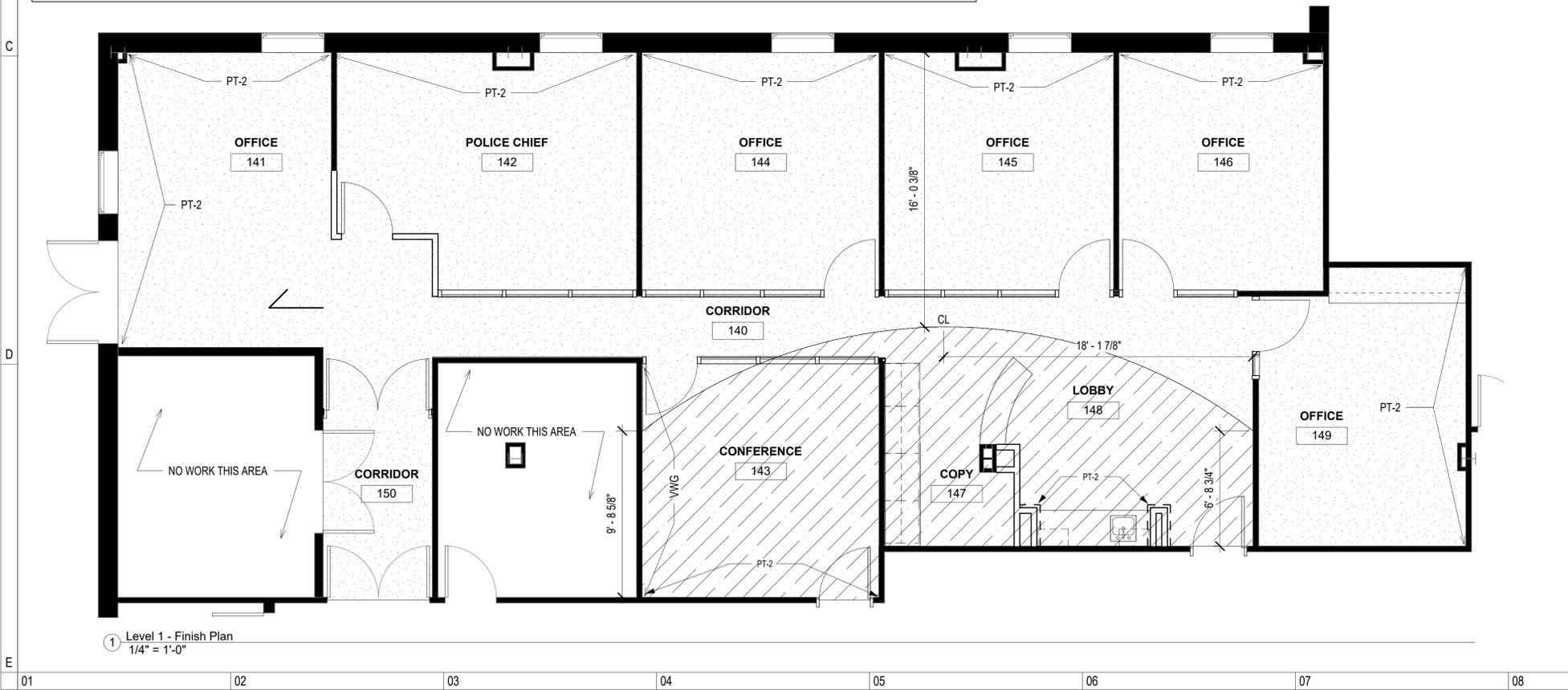
- ### GENERAL FINISH NOTES:
- ALL FINISH SELECTIONS IN LEGENDS, SCHEDULES, AND SPECIFICATIONS ARE NOT SUBJECT TO 'OR EQUAL' SUBSTITUTIONS U.N.O. GC AND SUBCONTRACTOR TO SUBMIT FINISHES AS INDICATED IN DOCUMENTS.
 - NOTIFY DESIGNER OF ANY SCHEDULED FINISH THAT IS UNAVAILABLE OR DISCONTINUED AS SOON AS POSSIBLE FOR SUBSTITUTION WITHOUT IMPACT OF PROJECT SCHEDULE.
 - CONTACT DESIGNER REGARDING ANY DISCREPANCY IN FINISHES INCLUDED OR NOT INCLUDED IN DOCUMENT SET.
 - ALL FLOOR DESIGNS AND PATTERNS MUST BE INSTALLED PER CONSTRUCTION DOCUMENTS. ANY FIELD MODIFICATION MUST BE REVIEWED AND APPROVED BY DESIGNER.
 - INSTALL ALL FINISH MATERIALS PER THE MANUFACTURER RECOMMENDED SPECIFICATIONS, SURFACE PREPARATION, ADHESIVES AND BACKINGS.
 - PREPARE ALL SURFACES TO RECEIVE THE NEW SCHEDULED FINISH. CONCRETE SLAB TO RECEIVE NEW SEAL WHERE SAW-CUT AND PATCHED.
 - PROVIDE TRANSITION STRIPS AT ALL FLOORING MATERIAL CHANGES U.O.N.
 - ENSURE ALL TRANSITIONS BETWEEN NEW AND EXISTING FINISHES ARE SMOOTH.
 - FLOOR MATERIAL TRANSITIONS AT DOOR OPENINGS TO BE CENTERED BELOW THE DOOR IN THE CLOSED POSITION U.O.N.
 - ACCESS PANELS, VISIBLE ELECTRICAL PANELS, MISCELLANEOUS GRILLES, PLATES, ETC. SHALL BE PAINTED TO MATCH ADJACENT SURFACES U.O.N.
 - ALL INTERIOR WALL, CEILING, AND TRIM FINISHES IN PUBLIC AREAS TO COMPLY WITH CLASS A MATERIAL CLASSIFICATION. ALL INTERIOR WALL, CEILING, AND TRIM FINISHES IN NON-PUBLIC AREAS TO COMPLY WITH CLASS B MATERIAL CLASSIFICATION MINIMUM.
 - PAINT FOR WALL FINISHES SHALL BE PROVIDED AS A (3) COAT EGGHELL LATEX PAINT INSTALLATION, (1) PRIME AND (2) FINISH COATS U.O.N. - WET WALL LOCATIONS TO RECEIVE (3) COAT EGGHELL LATEX ENAMEL PAINT.
 - PAINT FOR METAL ELEMENTS AND DOOR AND WINDOW FRAMES SHALL HAVE A (3) COAT SEMI-GLOSS ENAMEL FINISH U.O.N.
 - CONTRACTOR SOLELY RESPONSIBLE FOR ACCURACY OF MEASUREMENTS. SOME AREAS MAY REQUIRE FIELD MEASUREMENT PRIOR TO ORDERING.
 - VARIATIONS IN FLOOR LEVEL IN EXCESS OF 1" FOR EVERY 10'-0" SHALL BE LEVELED BY CONTRACTOR.
 - CONTRACTOR MUST SURVEY EXISTING SITE CONDITIONS PRIOR TO PRICING AND CONSTRUCTION TO NOTE ANY EXPANSION JOINTS, CRACKS, MOISTURE ISSUES, OR ANY OTHER PRE-EXISTING ISSUES THAT MAY REQUIRE ADDITIONAL WORK TO ENSURE PROPER INSTALLATION.
 - ALL ETR FINISHED SURFACES MUST BE PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.
 - PROVIDE 5% ATTIC STOCK OF ALL MATERIALS FOR THE OWNER ON SITE OR PER OWNER INSTRUCTION.
 - IF ANY ELECTRICAL, MECHANICAL, OR PLUMBING DEVICES SHOWN ARE IN CONFLICT WITH M.E.P DRAWINGS, CONTACT DESIGNER PRIOR TO INSTALLATION OF ROUGH-IN IN THE CASE OF CONFLICT.

FINISH LEGEND

KEY	MANUFACTURER	STYLE	COLOR	SIZE	NOTES
FLOORING					
LVT-1	J+J FLOORING	CLASSICS II - V5023	IDEAL - 1087	9' x 48", 3MM	INSTALL: ASHLAR - 20 MIL WEAR LAYER
LVT-2	J+J FLOORING	ABRIDGE 3MM - V5037	FABRIC - 1112	18" x 36", 3MM	INSTALL: ASHLAR - 20 MIL WEAR LAYER
WALL BASE					
RB-1	ROPPE	---	150 DARK GRAY	4" VINYL BASE	---
WALLS / TRIM					
PT-1	SHERWIN WILLIAMS	EGGSHELL	SW7004 SNOWBOUND	---	FIELD PAINT
PT-2	SHERWIN WILLIAMS	EGGSHELL	---	---	ACCENT PAINT
PT-3	SHERWIN WILLIAMS	SEMI-GLOSS	SW7004 SNOWBOUND	---	TRIM PAINT
PWT-1	CROSSVILLE	NATIVE METALS - NVM06.1HEXIMOS	GRAPHITE BLACK W/ IRON	10" x 11"	MOSAIC TILE BACKSPLASH
MILLWORK					
PLAM-1	FORMICA	NATURAL GRAIN FINISH	WALNUT RIFTWOOD 9283-NG	---	---
SS-1	SILESTONE	---	BIANCO CALCATTA	---	POLISHED
SS-2	CORIAN	---	MODERN WHITE	---	---
CEILING					
ACT-1	ARMSTRONG	MATCH EXISTING	WHITE	24" x 24"	LAY-IN, 15/16 GRID
SPECIALTY					
VWG-1	TBD	TBD	TBD	TBD	CUSTOM VINYL WALL GRAPHIC

FINISH LEGEND NOTES:

- ALL WALLS TO BE PT-1 UON.
- GRAPHIC ACCENT WALLS TO BE LEVEL 5 FINISH.
- ALL RUBBER BASE TO USE BASE CORNERS. NO ROLLED BASE AT CORNERS.
- ALL MILLWORK TO BE PLASTIC LAMINATE SPECIFIED WITH WHITE MELAMINE INTERIOR, ADJUSTABLE MELAMINE SHELVES, AND CONCEALED OFFSET HINGES.
- ANY EXPOSED MILLWORK ENDS SHALL BE FINISHED IN PLASTIC LAMINATE SPECIFIED FOR MILLWORK FACE.
- COUNTERTOPS TO HAVE 4" BACKSPLASH UON WITH CONTINUOUS SEALANT TO MATCH.
- GC TO SUBMIT MILLWORK SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.



FLOOR PATTERN LEGEND

	LVT-1
	LVT-2
	INDICATES FLOOR PATTERN DIRECTION.



N ARROW
1/2" = 1'-0"



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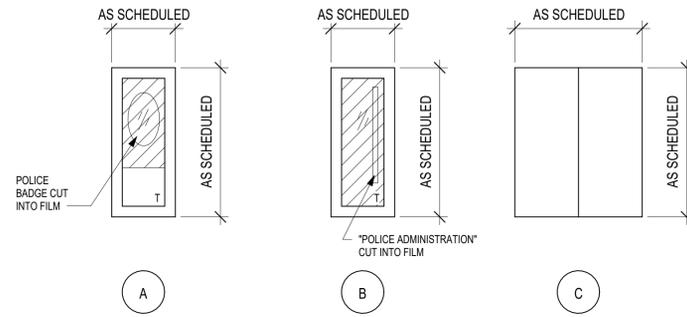
SHEET
**FINISH SCHEDULE
& LEGEND**

ID4.01

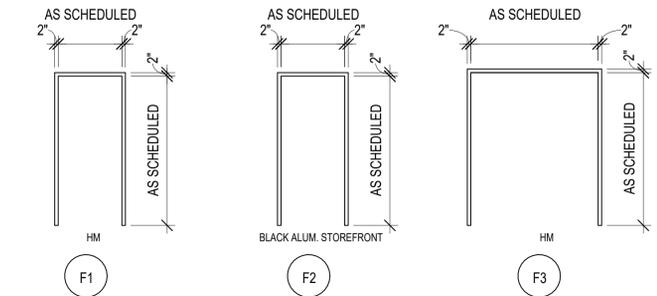
Door Schedule												
Door Number	Type	Door				Hardware	Frame					Comments
		Width	Height	Material	Finish		Type	Material	Finish	Jamb	Head	
141	C	6'-0"	7'-0"	EXIST.	PT-1	1	F3	HM	PT-3	J2	H2	
142	A	3'-0"	7'-0"	ALUM./GLAZ.	BLACK	2	F1	ALUM	BLACK	J2	H2	
143A	A	3'-0"	7'-0"	ALUM./GLAZ.	BLACK	3	F2	ALUM	BLACK	J1	H1	
143B	B	3'-0"	7'-0"	WD	SEE COMMENTS	1	EXIST.	EXIST.	PT-3	EXIST.	EXIST.	MASONITE - SPECIES: NATURAL BIRCH (ROTARY) - STAIN COLOR: COCOA BEAN
144	A	3'-0"	7'-0"	ALUM./GLAZ.	BLACK	2	F2	ALUM	BLACK	J1	H1	
145	A	3'-0"	7'-0"	ALUM./GLAZ.	BLACK	2	F2	ALUM	BLACK	J1	H1	
146	A	3'-0"	7'-0"	ALUM./GLAZ.	BLACK	2	F2	ALUM	BLACK	J1	H1	
148	B	3'-0"	7'-0"	WD	SEE COMMENTS	1	EXIST.	EXIST.	PT-3	EXIST.	EXIST.	MASONITE - SPECIES: NATURAL BIRCH (ROTARY) - STAIN COLOR: COCOA BEAN
149	A	3'-0"	7'-0"	ALUM./GLAZ.	BLACK	2	F2	ALUM	BLACK	J1	H1	

HARDWARE SCHEDULE			
SET	FUNCTION	HARDWARE	FINISH
1	OFFICE	3 HINGES 1 OFFICE SET (COORDINATE KEYING WITH BUILDING STANDARD) 1 CLOSER (INTERIOR) 3 DOOR SILENCERS 1 WALL BUMPER	STAINLESS STEEL
2	OFFICE	3 HINGES 1 OFFICE SET (COORDINATE KEYING WITH BUILDING STANDARD) 3 DOOR SILENCERS 1 WALL BUMPER	STAINLESS STEEL
3	PASSAGE	3 HINGES 1 PASSAGE SET 3 DOOR SILENCERS	STAINLESS STEEL

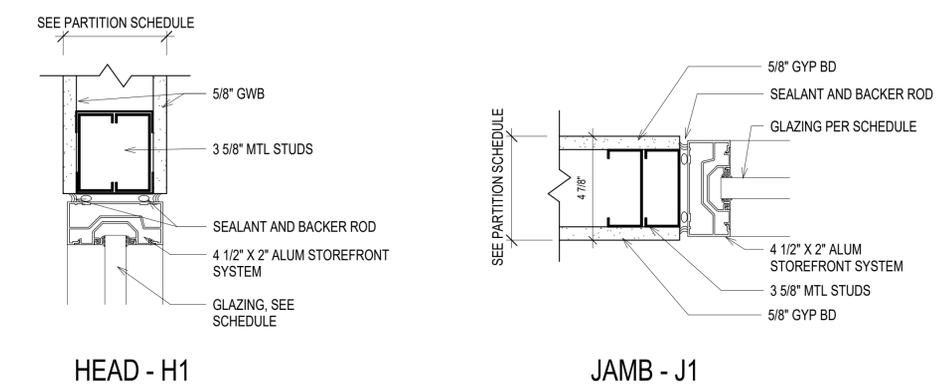
- INTERIOR STOREFRONT NOTES:**
- GC TO FIELD VERIFY ALL CONDITIONS PRIOR TO FABRICATION.
 - INTERIOR STOREFRONT FINISH TO BE BLACK ANODIZED, UNO.
 - GC TO SUBMIT STANDARD FINISH OPTIONS WITH INTERIOR STOREFRONT SUBMITTALS FOR REVIEW AND APPROVAL BY DESIGNER.
 - GC TO PROVIDE TRANSLUCENT PRIVACY FILM WHERE INDICATED ON DOOR & FRAME ELEVATIONS. FILM TO BE CONTINUOUS.
 - PRIVACY FILM ON UPPER PORTION ABOVE MULLION, ON STOREFRONT WINDOWS.
 - PRIVACY FILM TO ALIGN WITH STOREFRONT MULLION ON TYPE A DOORS - REFER TO 4/ID201. FILM TO INCLUDE POLICE BADGE CUT OUT - DESIGN TO MATCH EXISTING ENTRY DOORS.
 - PRIVACY FILM ON TYPE B DOORS TO BE FULL COVERAGE. FILM TO INCLUDE "POLICE ADMINISTRATION" LETTERING.



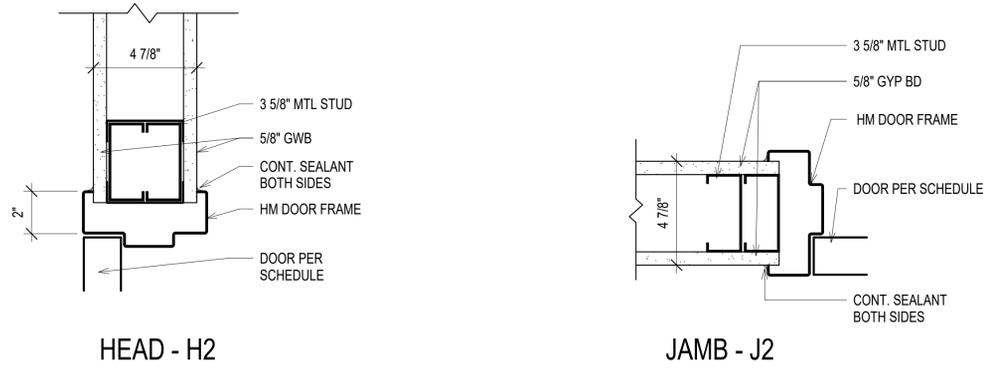
2 Elevation - Doors
1/4" = 1'-0"



3 Elevation - Door Frame
1/4" = 1'-0"



1 STOREFRONT DOOR DETAILS
3" = 1'-0"



4 HM DOOR DETAILS
3" = 1'-0"



SKA
CONSULTING ENGINEERS
SKA Consulting Engineers, Inc.
7900 Triad Center Drive, Suite 200
Greensboro, NC 27409-9075
t: 336.855.0993
www.skaeng.com
NC License No. F.0508

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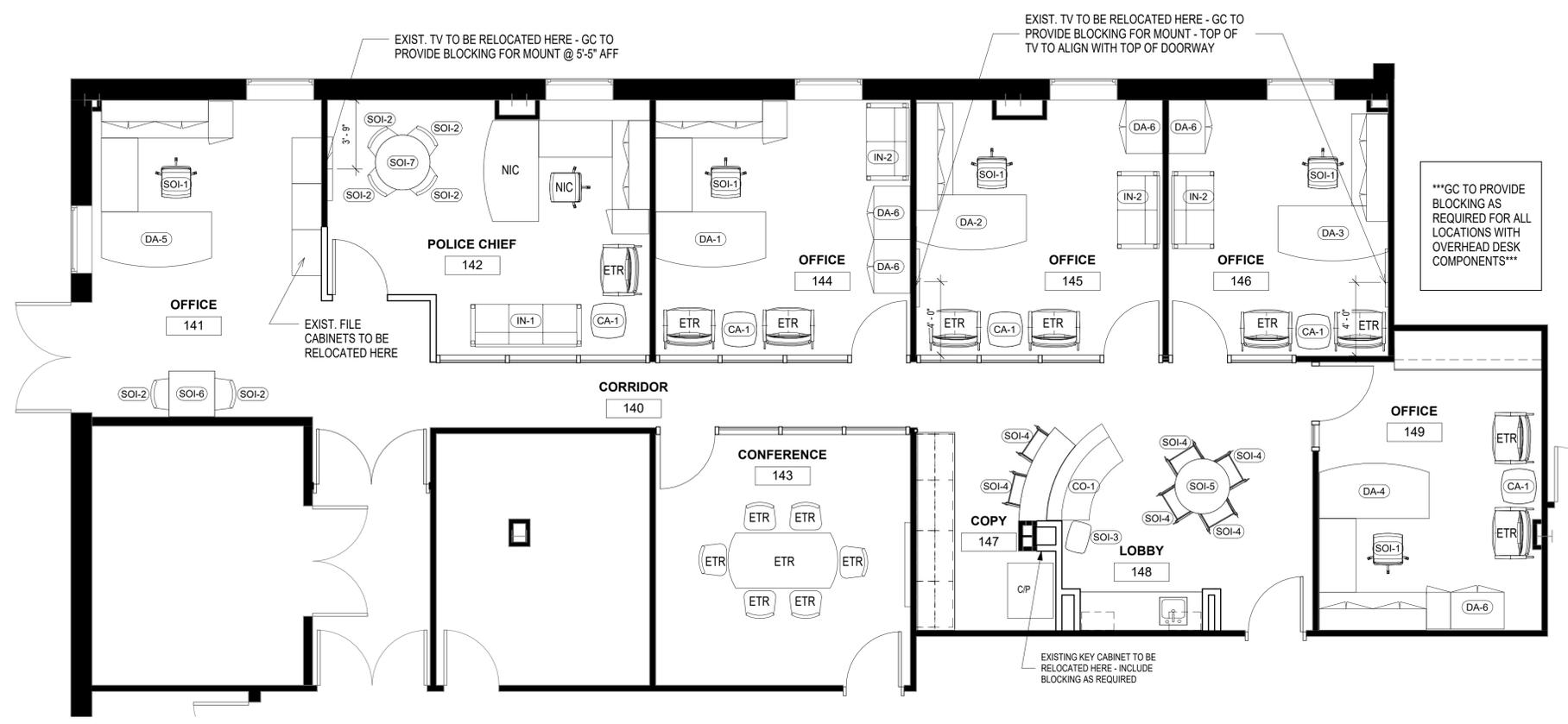


**TOWN OF KERNERSVILLE POLICE
ADMIN RENOVATION**
134 E. Mountain Street Kernersville, NC 27284

REVISIONS	DATE

PROJECT NUMBER: 23-148
ISSUE DATE: 5.31.24
DRAWN BY: HS
CHECKED BY: SA

SHEET
DOOR & WINDOW SCHEDULES



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

A
B
C
D
E



SKA
CONSULTING ENGINEERS
SKA Consulting Engineers, Inc.
7900 Triad Center Drive, Suite 200
Greensboro, NC 27409-9075
t: 336.855.0993
www.skaeng.com
NC License No. F.6508

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**TOWN OF KERNERSVILLE POLICE
ADMIN RENOVATION**
134 E. Mountain Street Kernersville, NC 27284

REVISIONS	DATE

PROJECT NUMBER: 23-148
 ISSUE DATE: 5.31.24
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 CHECKED BY: SA

SHEET
FURNITURE PLAN



ID5.01

PLUMBING SPECIFICATIONS

GENERAL:

REFER TO GENERAL AND SPECIAL CONDITIONS, ETC. REGARDING THE INSURANCE, TEMPORARY UTILITIES, AND OTHER ITEMS AFFECTING THIS CONTRACT.

THE WORK COVERED IN THE SPECIFICATIONS AND SHOWN ON THE DRAWINGS CONSISTS IN PROVIDING A COMPLETE SYSTEM INCLUDING LABOR, MATERIALS, ETC.

THE TERM "PROVIDE" USED THROUGHOUT SPECIFICATIONS AND ON DRAWINGS SHALL MEAN TO "FURNISH, INSTALL AND CONNECT WITH ALL RELATED ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION READY FOR USE."

COMPLY WITH ALL LOCAL, STATE AND FEDERAL CODES, LAWS AND REGULATIONS APPLICABLE TO PLUMBING INSTALLATION.

THE ENTIRE INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NORTH CAROLINA STATE PLUMBING CODE.

THIS CONTRACTOR SHALL PAY ALL INSPECTION FEES AND SHALL INCLUDE THE COST OF SUCH FEES IN HIS PROPOSAL.

CHECK AND VERIFY WITH OWNER, EQUIPMENT SUPPLIERS, AND ALL OTHER CONTRACT DOCUMENTS FOR THE PROJECT THE EXACT REQUIREMENTS FOR PROVIDING REQUIRED AND COMPLETE SERVICES FOR EQUIPMENT, SYSTEMS, ETC., AS SHOWN OR INDICATED. MINOR CHANGES IN FIXTURE, DRAIN, EQUIPMENT AND PIPE LOCATIONS MAY BE MADE AT ANY TIME PRIOR TO ROUGHING-IN OF THE PLUMBING WORK WITHOUT ANY ADDITIONAL COSTS.

SUBMIT SUBMITTAL DATA FOR APPROVAL FOR ALL MATERIALS AND EQUIPMENT. COPY WILL BE RETURNED, PRIOR TO SUBMITTAL, THE CONTRACTOR SHALL STAMP ALL SHOP DRAWINGS AND SUBMITTAL DATA AS "APPROVED", INDICATING FULL COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS. SHOP DRAWINGS AND SUBMITTAL DATA WILL NOT BE REVIEWED WITHOUT THE "APPROVED" STAMP.

SHOP DRAWINGS AND SUBMITTAL DATA SHALL BE CLEARLY MARKED WITH EQUIPMENT SIZES, CAPACITIES, ETC. INDICATED FOR THE PROJECT. INDICATE CLEARLY THE EXACT REQUIREMENTS FOR ACCESS FOR SERVICE AND MAINTENANCE AND MINIMUM CLEARANCES FOR COMPLIANCE WITH MANUFACTURER'S REQUIREMENTS AND ALL APPLICABLE CODES. ALL SHOP DRAWINGS SHALL BE SUBMITTED AT SAME TIME AS SOON AS POSSIBLE AFTER AWARD OF CONTRACT.

FURNISH TO ENGINEER SET OF MARKED UP PLUMBING PRINTS WITH ALL DEVIATIONS AND CORRECTIONS SHOWING THE AS-BUILT AND DIMENSIONED, IF NECESSARY, LOCATIONS, ELEVATIONS, ETC. OF ALL PIPING, EQUIPMENT, VALVES, CLEANOUTS, ETC., UNDERGROUND, IN WALLS, ABOVE CEILINGS AND OTHERWISE CONCEALED, WHICH WILL REQUIRE SERVICE AND MAINTENANCE.

CUT AND PATCH EXISTING WALLS, FLOORS, CEILINGS, ROOF, ETC. AS REQUIRED FOR INSTALLATION OF NEW PIPING, DRAINS, FIXTURES, EQUIPMENT, ETC. PATCH ALL CUT AREAS TO MATCH ADJACENT AREAS AND SURFACES. DRILL OR SAW CUT ALL OPENINGS THRU WALLS, FLOORS AND ROOFS.

SEAL WATER AND AIR TIGHT AROUND ALL PIPING, BETWEEN PIPES AND SLEEVES, CONDUITS, BOXES, ETC. RUN THRU ALL WALLS, PARTITIONS, SLABS, FLOORS, CEILINGS, ETC. USE FIRE BARRIER CAULK AND PUTTY EQUAL TO 3M TYPE 303 PUTTY OR TYPE CP-25 CAULK AS APPLICABLE AROUND PENETRATIONS THRU FIRE-RATED WALLS, PARTITIONS, FLOOR, CEILING, ROOF, ETC.

ARRANGE WORK TO AVOID CUTTING WORK OF OTHER TRADES. WHERE CUTTING IS UNAVOIDABLE, CUT AND PATCH IN A MANNER NOT TO WEAKEN THE STRUCTURE OR ADVERSELY AFFECT THE FINISHED APPEARANCE. REPAIR CUT AREAS TO MATCH ADJACENT WORK.

MATERIALS:

WASTE AND VENT PIPING INSIDE BUILDING: NO-HUB CAST IRON. SLOPE MINIMUM 1/4" PER FOOT FOR PIPES 3" AND SMALLER AND 1/8" PER FOOT FOR 4" SIZE.

WATER PIPING: COPPER TYPE L HARD-DRAWN WITH WROUGHT COPPER FITTINGS FOR PIPING ABOVE FLOOR SLAB AND OVERHEAD. USE 99/5 LEAD-FREE SOLDER WITH NON-CORROSIVE FLUX FOR ALL JOINTS ABOVE SLAB AND OVERHEAD, UP TO AND INCLUDING 1-1/4" PIPE SIZE. JOINTS IN PIPE SIZES ABOVE 1-1/4" SHALL BE MADE USING BRAZING SOLDER.

INSULATION: INSULATE ALL HOT AND COLD WATER PIPING ABOVE FLOOR SLAB WITH 1" THICK MOLDED FIBERGLASS WITH FIRE AND SMOKE RATED VAPOR BARRIER JACKET SEALED AIRTIGHT. PROVIDE HARD INSULATION INSERT AT ALL HANGERS AND SUPPORTS.

RUN PIPE INSULATION UNBROKEN THROUGH ALL SLEEVED OPENINGS AND THROUGH HANGERS.

HANGERS: SUPPORT ALL PIPING ADEQUATELY TO PREVENT SAGGING. EQUAL TO ELCEN, MODERN OR AUTO-GRIP, COMPLETE WITH ROD, ADJUSTABLE NUTS, CONCRETE INSERTS, BEAM OR JOIST CLAMP, INTEGRAL RIB-LOCK METAL SADDLE FOR ALL INSULATED PIPING, SIZED TO FIT OVER INSULATED PIPING. PROVIDE 16 GA. METAL SADDLE 12" LONG, EXTENDING HALF-WAY AROUND BOTTOM DIAMETER OF INSULATED PIPE AT HANGERS WITHOUT INTEGRAL METAL SADDLE. SPACE HANGERS 6 - 8 FEET APART FOR COPPER TUBING, CAST IRON PIPING. HANGERS IN CONTACT WITH COPPER PIPE SHALL BE COPPER OR COPPER-PLATED. SIZE HANGERS TO FIT INSULATED PIPING.

ESCUTCHEONS: CHROME-PLATED, SPLIT HINGED TYPE WITH SET SCREW, PROVIDE FOR ALL EXPOSED PIPING THRU CEILINGS, WALLS AND FLOORS.

PLUMBING FIXTURES:

PROVIDE FIXTURES SHOWN AND SCHEDULED ON DRAWINGS BY A NUMBER WITH PREFIX "P", COMPLETE AS CALLED FOR ON DRAWINGS AND/OR AS CATALOGED. ALL EXPOSED METAL PARTS OF FIXTURES SHALL BE BRASS WITH CHROMIUM PLATED FINISH. PROVIDE EACH FIXTURE SUPPLY WITH INDIVIDUAL STOP VALVE. INSTALL COMPLETE WITH REQUIRED TRIMMINGS, FITTINGS, SUPPLY PIPES AND STOPS TO WALL.

CLEANING, PAINTING:

CLEAN ALL PIPING, HANGERS, INSULATION, FIXTURES, EQUIPMENT, ETC. AND LEAVE READY FOR USE OR PAINTING.

ALL PAINTING IN THE BUILDING WILL BE DONE BY THE GENERAL CONTRACTOR, BUT ANY PIPING, FITTINGS, ETC. INSTALLED OR MODIFIED AFTER PAINTING IN BUILDING IS FINISHED SHALL BE PAINTED TO MATCH ADJACENT SURFACES BY THE PLUMBING CONTRACTOR OR AT HIS EXPENSE.

TOUCH UP ALL DAMAGED AND SCRATCHED SURFACES ON FACTORY FINISHED EQUIPMENT AND MATERIAL WITH PAINT OF SAME TYPE AND COLOR.

TESTS AND ADJUSTMENTS, DISINFECTION OF WATER LINES:

MAKE ALL TESTS AS REQUIRED BY THE CODE. TESTING EQUIPMENT TO BE PROVIDED BY THIS CONTRACTOR.

TEST PIPING BEFORE BACKFILLING, CONCEALING IN WALLS AND ABOVE CEILINGS, INSULATION AND PRIOR TO CONNECTING FIXTURES AND EQUIPMENT.

SOIL, WASTE AND VENT PIPING SYSTEMS TO BE FILLED WITH WATER TO ROOF, OR AS REQUIRED BY THE CODE.

WATER PIPING SYSTEM TO BE TESTED AT WATER PRESSURE OF 125 PSI, WITH NO LOSS IN PRESSURE FOR A PERIOD OF 24 HOURS.

LEAKING JOINTS TO BE TAKEN APART AND COMPLETELY REASSEMBLED. NO RECAULKING WILL BE PERMITTED. ADJUST VALVES AND FAUCETS FOR PROPER OPERATION. STOP ALL LEAKS.

DISINFECT ALL WATER LINES IN THE FOLLOWING MANNER: FLUSH ALL LINES; FILL ALL LINES WITH A SOLUTION OF 50 PPM AVAILABLE CHLORINE; ALLOW THAT SOLUTION TO REMAIN IN THE LINES FOR 24 HOURS. AFTER THE ALLOTTED TIME HAS PASSED, THE CHLORINE RESIDUAL MUST BE AT LEAST 10 PPM. THEN FLUSH THE LINES UNTIL ONLY A NORMAL CHLORINE RESIDUAL (0.2 PPM) REMAINS. WATER SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHOULD THEN BE TAKEN AT DIFFERENT LOCATIONS.

FURNISH AND INSTALL BLUE COLOR THUMBTRACKS AT ACCESS DOOR OR THE EDGE OF LAY-IN CEILING TILE AT EACH LOCATION OF SHUT-OFF VALVE CLEANOUT, ETC., ABOVE CEILING, WHICH WILL REQUIRE ACCESS FOR INSPECTION, OPERATION, SERVICE OR MAINTENANCE.

GUARANTEE:

REFER TO GENERAL CONDITIONS OF THE CONTRACT FOR CONTRACT COMPLETION AND WARRANTY REQUIREMENTS. GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER AS STATED IN WRITING. REPLACE OR REPAIR, WITHOUT COST TO THE OWNER ANY PART OR PARTS OF THE WORK WHICH MAY PROVE DEFECTIVE OR UNSATISFACTORY WITHIN THE PERIOD OF GUARANTEE FROM THE TIME THE SYSTEM IS PUT INTO OPERATION AS DETERMINED BY THE DATE OF FINAL CERTIFICATE OF PAYMENT WITH EXCEPTIONS AS NOTED.

PROVIDE PERIODICAL INSPECTION AND ADJUSTMENT SERVICE THROUGHOUT THE GUARANTEE PERIOD.

PLUMBING GENERAL NOTES

- ALL PIPE LAYOUTS ARE GENERALLY DIAGRAMMATIC. CONTRACTOR SHALL VERIFY AVAILABLE SPACE FOR INDICATED PIPES BASED ON MEASUREMENTS AND SURVEYS TAKEN OF THE FIELD CONDITIONS. PRIOR TO PREFABRICATING OR INSTALLING ANY PIPING, DIMENSIONS AND ELEVATIONS SHALL BE FIELD CHECKED AND ANY DISCREPANCIES WITH DESIGN DRAWINGS RESOLVED. CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL PIPING TO INTERFACE WITH PLUMBING, FIRE PROTECTION, ELECTRICAL, CONTROLS, STRUCTURAL, MECHANICAL, AND ALL OTHER WORK, EXISTING OR NEW.
- EQUIPMENT CONNECTION SIZES, ELEVATIONS AND CONFIGURATIONS ARE SUBJECT TO CHANGE WHEN CERTIFIED VENDOR SHOP DRAWINGS ARE RECEIVED. CONTRACTOR SHALL CHECK CERTIFIED SHOP DRAWINGS WITH DESIGN DRAWINGS PRIOR TO INSTALLATION OF PIPING.
- PIPING SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED INDUSTRY AND LOCAL GOVERNING CODES.
- PIPING 2" AND BELOW IS SHOWN SCHEMATICALLY AND SHALL BE FIELD RUN TO SUIT CONDITIONS.
- ALL INSULATED PIPING SHALL BE INSTALLED WITH INSULATION SHIELDS.
- INSTALL MANUAL AIR VENTS AT HIGH POINTS AND DRAIN VALVES AT LOW POINTS IN FLUID PIPING SYSTEMS AND AS DIRECTED BY OWNER.
- SHIM EQUIPMENT AS REQUIRED TO PROVIDE LEVEL INSTALLATION. GROUT IN PLACE TO PROVIDE FULL SUPPORT UNDER CONTACT AREAS.
- EQUIPMENT SELECTIONS SCHEDULED ON THE DRAWINGS AND IN THE SPECIFICATIONS INDICATE A MINIMUM LEVEL OF ACCEPTABLE PERFORMANCE. SUBSTITUTION OF EQUIPMENT AND MATERIALS SHALL BE MADE IN ACCORDANCE WITH THE PRIOR APPROVAL CLAUSE LOCATED IN THE GENERAL PROVISIONS, OR BY SPECIFIC APPROVAL OF THE ENGINEER.
- PROVIDE SHOP DRAWING SUBMITTALS FOR ALL CONTRACTOR FURNISHED EQUIPMENT.
- ALL DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE "L" HARD DRAWN COPPER, FITTINGS BELOW GRADE SHALL BE TYPE "K". INSULATE WITH PIPE INSULATION ABOVE GRADE AS SPECIFIED.
- ALL BELOW GRADE SANITARY PIPING SHALL BE HUB AND SPIGOT SERVICE WEIGHT CAST IRON PIPE.
- ALL ABOVE GRADE SANITARY PIPING SHALL BE NO-HUB TYPE SERVICE WEIGHT CAST IRON PIPE.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS AND TRIM TO MAKE FOR A COMPLETE JOB.
- DO NOT CUT OR PENETRATE WATERPROOF SURFACES, OR WATERPROOFING MEMBRANES WITHOUT FIRST MAKING ARRANGEMENTS FOR REPAIR BY A METHOD APPROVED BY THE OWNER'S REPRESENTATIVE.

- LOCATE ALL ISOLATION AND SERVICE OR SPECIALTY VALVES, ETC. IN ACCESSIBLE POSITIONS WITH ADEQUATE MAINTENANCE CLEARANCE. LOCATE DEVICES SO ACCESS IS NOT BLOCKED BY LIGHTS, DUCTWORK, PIPING, CONDUIT, STRUCTURAL STEEL, SUPPORTS, AND THE LIKE.
- MATERIALS, EQUIPMENT, FIXTURES AND INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF THE SPECIFICATIONS AND THE N.C. STATE PLUMBING CODE.
- PRIOR TO THE ISSUANCE OF THE PROCEED ORDER BY THE DESIGN PROFESSIONAL, AND IN ACCORDANCE WITH THE REQUIREMENT FOR SUBMISSION OF A SCHEDULE OF VALUES, THE CONTRACTOR SHALL PREPARE AN ESTIMATED PROGRESS SCHEDULE, GRAPHICALLY INDICATING THE PROBABLE SEQUENCE AND PERCENTAGE OF CONSTRUCTION THAT MAY BE EXPECTED BY THE END OF EACH SUCCESSIVE MONTH. THE PROGRESS SCHEDULE SHALL IDENTIFY THE "MILESTONES" FOR EACH STATE OF THE WORK, INDICATING THE APPROXIMATE AMOUNTS THE OWNER MAY ANTICIPATE ON MONTHLY APPLICATIONS FOR PAYMENT UP TO THE POINT OF SUBSTANTIAL COMPLETION.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR LEADING AND ACHIEVING COORDINATION OF ALL TRADES, SO THAT ALL WORK WILL FIT AND CAN BE PROPERLY INSTALLED BY ALL OTHER TRADES CONTRACTORS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DETAILED INFORMATION FROM ALL TRADES TO SHOW LOCATIONS, SIZES AND COORDINATION ON COORDINATION OVERLAY SHOP DRAWINGS. THE MECHANICAL CONTRACTOR SHALL PREPARE ALL OVERLAY DRAWINGS.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING IN THE FIELD THAT THE PLUMBING EQUIPMENT AND PIPING FOR THIS PROJECT HAS BEEN INSTALLED IN SUCH A MANNER THAT VIBRATIONS WILL NOT BE TRANSMITTED TO THE BUILDING STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, AVOIDING CONTACT BETWEEN DUCTWORK, DUCTWORK SUPPORTS AND CEILING HANGERS, CONDUIT, WALL STUDS OR BRACES, PIPING AND PIPING HANGERS, AND THE LIKE. CEILING GRID SUPPORT HANGERS SHALL NOT BE SUSPENDED FROM PIPING OR PIPING SUPPORTS.
- PLUMBING CONTRACTOR SHALL INSTALL PLUMBING SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE TO REDUCE THE POTENTIAL FOR VIBRATION TRANSMISSION AND ACOUSTICAL NOISE TO THE OCCUPIED SPACES.
- UNDER NO CONDITIONS SHALL THE CONTRACTOR ATTEMPT TO ACCOMPLISH ANY WORK WITHOUT BENEFIT OF THE CONTRACT DOCUMENTS AS A GUIDE TO SUCH ACCOMPLISHMENT.
- ANY SUBDIVISIONS OF THE DRAWINGS OR SPECIFICATIONS ARE NOT INTENDED TO ESTABLISH SUBDIVISION OF THE WORK, SUCH AS LIMITS OF A SUBCONTRACTORS WORK OR TRADE JURISDICTION.



SKA CONSULTING ENGINEERS
 SKA Consulting Engineers, Inc.
 7900 Triad Center Drive, Suite 200
 Greensboro, NC 27409-9075
 t: 336 855 0993
 www.skaeng.com
 NC License No. F-6588

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PLUMBING FIXTURES & EQUIPMENT SCHEDULE

NOTE: ALL FIXTURE APPURTENANCES SUCH AS P TRAPS, LOOSE KEY STOPS, NIPPLES, ESCUTCHEONS, AND FLEXIBLE CONNECTIONS SHALL BE SUPPLIED BY THE FIXTURE MANUFACTURER.

FIXTURE TYPE	FIXTURE SYMBOL	PROTOTYPE NAME AND NUMBER						CONNECTION SIZES			
		BASIC FIXTURE	VALVE	FAUCET	SUPPLY PIPE	TRAP	OTHER	WASTE	VENT	C.W.	H.W.
BREAKROOM SINK	P-1	ELKAY ECTRU1719T	1/2" BALL VALVES	KOHLER K-7547-4-VS VIBRANT STAINLESS	1/2" SUPPLY	1 1/2" OFFSET DRAIN P-TRAP	PROVIDE WITH ELKAY LKPDAD18B OFFSET DRAIN WITH FLAT GRID STRAINER.	1 1/2"	1 1/2"	1/2"	1/2"

DRAIN PUMP SCHEDULE

DESIGNATION	UNIT TYPE	FLOW RATE GPM	DISCHARGE HEAD FT	MOTOR HP	MOTOR RPM	ELECTRICAL	MANUFACTURER & MODEL	REMARKS
						V/PHHZ		
DP-1	SHORT PROFILE	4.0	20	1/3	3450	120/1/60	LIBERTY 404CVA	PUMP SHALL HAVE BUILT-IN CHECK VALVE, ALARM, AND MIN. 4 GALLON BASIN. PUMP SHALL BE CONTROLLED BY FLOAT SWITCH.

PLUMBING DRAWING INDEX

- P.1.1 PLUMBING SPECIFICATIONS AND SCHEDULES
- P.2.1 PLUMBING FLOOR PLAN, SECTION, RISER DIAGRAM, AND DETAILS

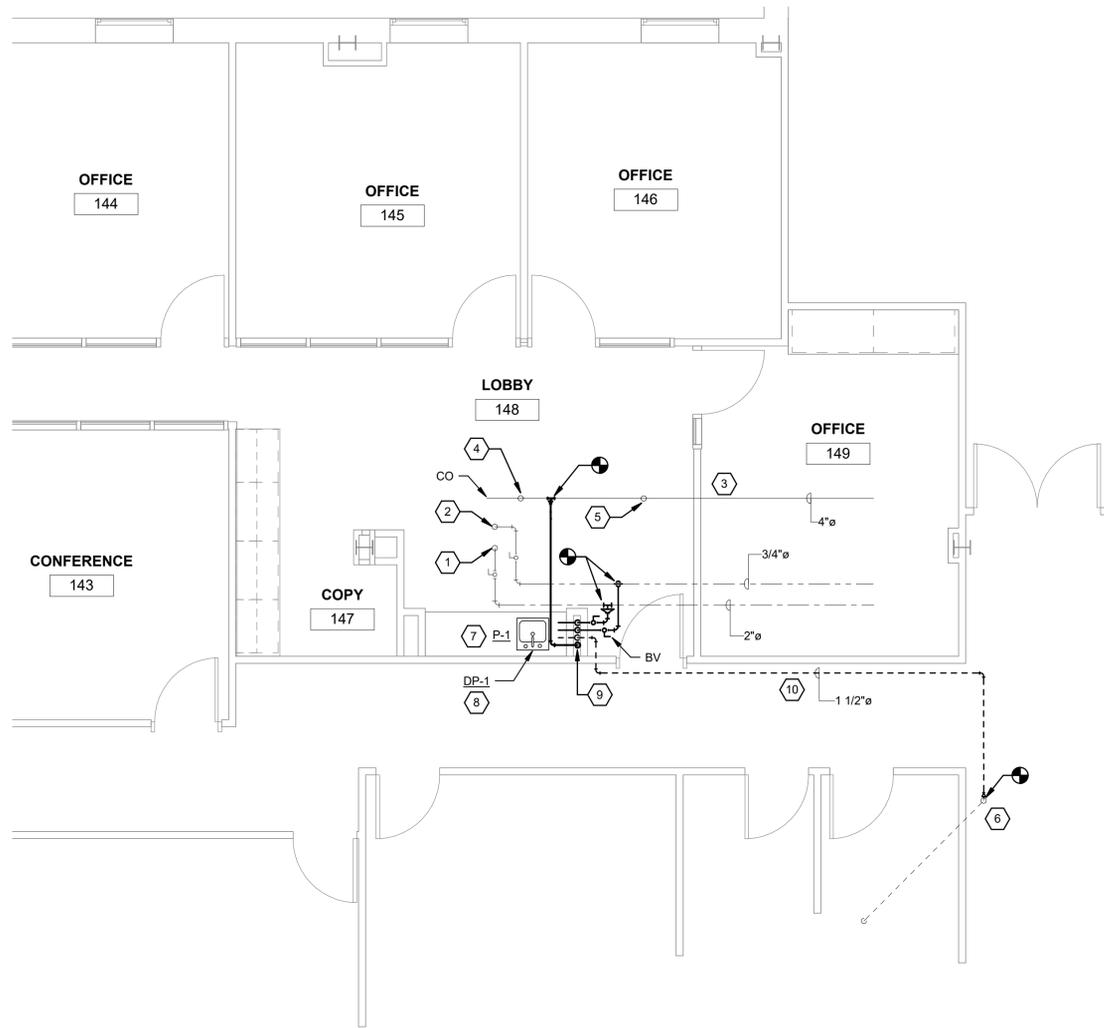
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 DRAWN BY: MRT
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SHEET
PLUMBING SPECIFICATIONS AND SCHEDULES

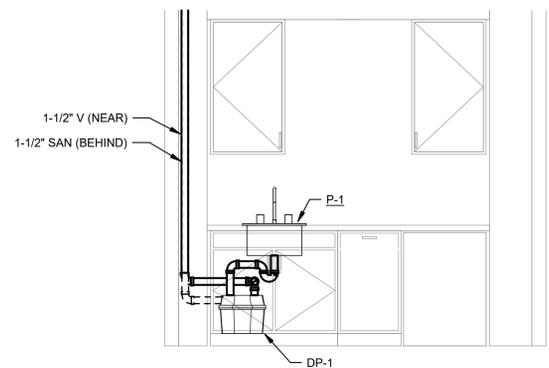
P1.1

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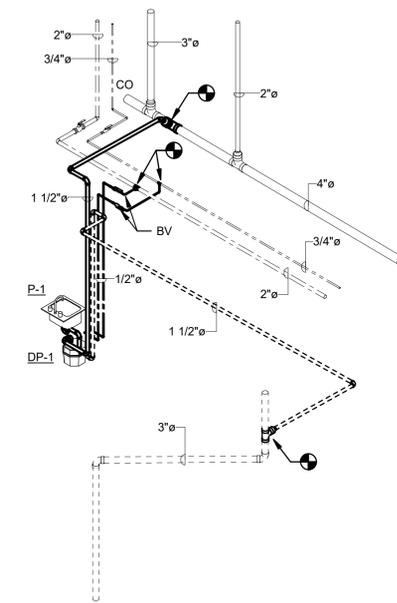


1 LEVEL 1 - PLUMBING NEW WORK PLAN
 P2.1 1/4" = 1'-0"

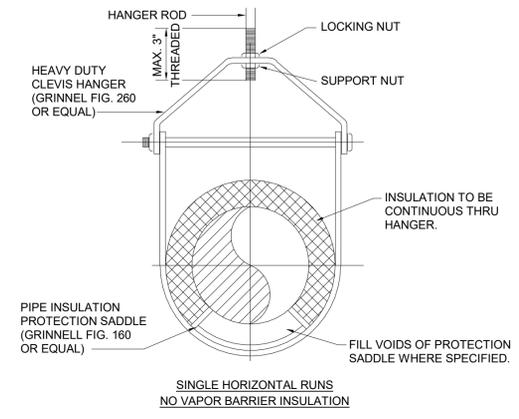
- KEYED NOTES:**
- 1 EXISTING 2" COLD WATER UP TO LEVEL 2 TO REMAIN.
 - 2 EXISTING 3/4" HOT WATER UP TO LEVEL 2 TO REMAIN.
 - 3 EXISTING SANITARY WASTE PIPING IN LEVEL 1 CEILING SPACE TO REMAIN.
 - 4 EXISTING 3" SANITARY WASTE PIPING UP TO LEVEL 2 TO REMAIN.
 - 5 EXISTING 2" SANITARY WASTE PIPING UP TO LEVEL 2 TO REMAIN.
 - 6 EXISTING 3" SANITARY VENT PIPING UP TO LEVEL 2 TO REMAIN.
 - 7 PROVIDE NEW BREAKROOM SINK. SEE SCHEDULE FOR ADDITIONAL INFORMATION.
 - 8 PROVIDE NEW DRAIN PUMP BELOW CASEWORK. SEE SCHEDULE FOR ADDITIONAL INFORMATION.
 - 9 PROVIDE NEW 1/2" COLD AND HOT WATER PIPING DOWN TO SINK. PROVIDE 1-1/2" SANITARY WASTE AND VENT PIPING DOWN TO DRAIN PUMP. SEE SECTION AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - 10 CONNECT NEW 1-1/2" VENT PIPING TO EXISTING 3" VENT RISER. FIELD VERIFY PIPE ROUTING PRIOR TO BEGINNING CONSTRUCTION.



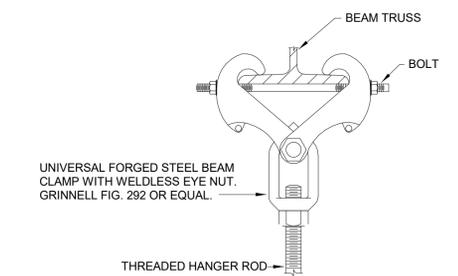
2 PLUMBING SECTION
 P2.1 1/2" = 1'-0"



3 PLUMBING RISER DIAGRAM
 P2.1

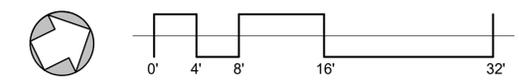


4 CLEVIS HANGER DETAIL
 P2.1 NOT TO SCALE



ROD SIZE	MAX. LOAD	ROD TAKE-OUT FOR WIDTH OF BEAM FLANGE						BOLT DIAMETER
		2 3/8	3	4	5	6	7	
3/8"	610 LBS.	4 3/4	4 11/16	4 9/16	4 3/16	3 13/16	3 1/8	7/16"
1/2"	1130 LBS.	4 7/8	4 13/16	4 11/16	4 5/16	3 15/16	3 1/4	7/16"

5 PIPING UPPER ATTACHMENT BEAM/TRUSS CLAMP DETAIL
 P2.1 NOT TO SCALE



SKA CONSULTING ENGINEERS
 SKA Consulting Engineers, Inc.
 7900 Triad Center Drive, Suite 200
 Greensboro, NC 27409-9075
 t: 336 855 0993
 www.skaeng.com
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SHEET
PLUMBING FLOOR PLAN, SECTION, RISER DIAGRAM, AND DETAILS
P2.1

01 02 03 04 05 06 07 08 09 10

ELECTRICAL ABBREVIATIONS

A OR AMP	AMPERES	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
AFG	ABOVE FINISHED GRADE	MLO	MAIN LUG ONLY
AIC	AMPERE INTERRUPTING CAPACITY	MTD	MOUNTED
ALT	ALTERNATE	MTG	MOUNTING
ATS	AUTOMATIC TRANSFER SWITCH	N	NEUTRAL
AWG	AMERICAN WIRE GAUGE	NC	NORMALLY CLOSED
BKR	BREAKER	NEC	NATIONAL ELECTRIC CODE
BFG	BELOW FINISHED GRADE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
C	CONDUIT	NF	NON-FUSED
CB	CIRCUIT BREAKER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CLG	CEILING	NIC	NOT IN CONTRACT
CT	CABLE TRAY	NO	NORMALLY OPEN OR NUMBER
CU	COPPER	Ø	PHASE
DIA	DIAMETER	PNL	PANEL
DN	DOWN	PVC	POLYVINYL CHLORIDE
DWG(S)	DRAWING(S)	REC	RECEPTACLE
EC	EMPTY CONDUIT OR ELECTRICAL CONTRACTOR EXHAUST FAN	SCHED	SCHEDULE
EF	EQUIPMENT GROUND	SN	SOLID NEUTRAL SPECIFICATIONS
ELEC	ELECTRICAL	SWBD	SWITCHBOARD
EMT	ELECTRIC METALLIC TUBING	SWGR	SWITCHGEAR
EQUIP	EQUIPMENT	TEL	TELEPHONE
EWC	ELECTRIC WATER COOLER	TTB	TELEPHONE TERMINAL BACKBOARD
EWH	ELECTRIC WATER HEATER	FL	FLOOR
EXIST	EXISTING	FLA	FULL LOAD AMPS
FACP	FIRE ALARM CONTROL PANEL	FT	FOOT/FEET
FL	FLOOR	FVNR	FULL VOLTAGE NON-REVERSING
FLA	FULL LOAD AMPS	GA	GAUGE
FT	FOOT/FEET	GALV	GALVANIZED
FVNR	FULL VOLTAGE NON-REVERSING	GC	GENERAL CONTRACTOR
GA	GAUGE	GEC	GROUNDING ELECTRODE CONDUCTOR
GALV	GALVANIZED	GFI	GROUND FAULT INTERRUPTER
GC	GENERAL CONTRACTOR	GND	GROUND
GEC	GROUNDING ELECTRODE CONDUCTOR	GRS	GALVANIZED RIGID STEEL CONDUIT
GFI	GROUND FAULT INTERRUPTER	HOA	HAND-OFF-AUTOMATIC HIGH INTENSITY DISCHARGE
GND	GROUND	HID	HIGH INTENSITY DISCHARGE
GRS	GALVANIZED RIGID STEEL CONDUIT	HP	HORSEPOWER
HOA	HAND-OFF-AUTOMATIC HIGH INTENSITY DISCHARGE	HT	HEIGHT
HID	HIGH INTENSITY DISCHARGE	HTR	HEATER
HIP	HORSEPOWER	IG	ISOLATED GROUND
HT	HEIGHT	IMC	INTERMEDIATE METALLIC CONDUIT
HTR	HEATER	IN	INCH/INCHES
IG	ISOLATED GROUND	JB	JUNCTION BOX
IMC	INTERMEDIATE METALLIC CONDUIT	KCMIL	THOUSANDS OF CIRCULAR MILLS
IN	INCH/INCHES	KVA	KILO VOLT AMPERES
JB	JUNCTION BOX	KW	KILOWATT
KCMIL	THOUSANDS OF CIRCULAR MILLS	LTG	LIGHTS
KVA	KILO VOLT AMPERES		
KW	KILOWATT		
LTG	LIGHTS		

SYMBOLS WITHIN TEXT

=	APPROX. EQUAL
<	ANGLE
△	CENTERLINE
△	DELTA
≡	IDENTITY/EXACTLY EQUAL
≠	NOT EQUAL
#	NUMBER
Ω	OHM / OMEGA

SYMBOLS WITHIN NUMBERS

#°	CUBED DEGREE(S)
±	PLUS/MINUS
#²	SQUARED

ELEC SYMBOL LEGEND (NOTE 1)

MTG. HGT. (NOTE 2)	SYMBOL (NOTES 3 & 4)	DESCRIPTION
		ADDRESSABLE FIRE ALARM COMBINATION AUDIBLE AND VISUAL DEVICE, WALL MOUNTED. REFER TO "DETAIL - MOUNTING HEIGHTS" FOR MOUNTING HEIGHTS. NUMBER INDICATES CANDELA RATING.
		ADDRESSABLE FIRE ALARM VISUAL DEVICE, WALL MOUNTED. REFER TO "DETAIL - MOUNTING HEIGHTS" FOR MOUNTING HEIGHTS. NUMBER INDICATES CANDELA RATING.
		ADDRESSABLE FIRE ALARM DEVICE, CEILING MOUNTED. 'HS' INDICATES HORN STROBE. 'SO' INDICATES STROBE ONLY. NUMBER INDICATES CANDELA RATING.
		FIRE ALARM CONTROL PANEL.
		FIRE ALARM REMOTE ANNUNCIATOR.
		ADDRESSABLE CARBON MONOXIDE, CEILING MOUNTED.
		ADDRESSABLE HEAT DETECTOR, CEILING MOUNTED.
		ADDRESSABLE SMOKE DETECTOR, CEILING MOUNTED. "ERC" = ELEVATOR RECALL. "DR" = DOOR RELEASE. "D" = DUCT DETECTOR. "FSDR" = FIRE/SMOKE DAMPERS. "EVD" = ELEVATOR SMOKE DAMPER. "SB" = SOUNDER BASE.
3'-10"		ADDRESSABLE FIRE ALARM MANUAL PULL STATION, WALL MOUNTED.
5'-0" TO TOP		DISCONNECT SWITCH. NUMBER INDICATES DISCONNECT SWITCH AMP RATING/ POLE NUMBER / FUSE AMP RATING. "NF" = NON-FUSED. PROVIDE NEMA 3R IN EXTERIOR LOCATIONS OR LOCATIONS SUBJECT TO MOISTURE.
5'-0" TO TOP		ENCLOSED CIRCUIT BREAKER.
6'-0" TO TOP		208/120 VOLT PANELBOARD.
6'-0" TO TOP		480/277 VOLT PANELBOARD.
	---	CONDUIT CONCEALED IN OR BELOW FLOOR SLAB OR BELOW GRADE, UNO.
	---	CONDUIT EXPOSED OR CONCEALED IN WALL OR ABOVE CEILING.
		DIRECT CONNECTION TO EQUIPMENT.
		ELECTRIC MOTOR CONNECTION.
		GROUND CONNECTION.
1'-6"		SPECIAL PURPOSE RECEPTACLE, WALL.
1'-6"		TWO DECORATOR DUPLEX RECEPTACLES, WALL MOUNTED. "TI" = TVSS AND ISOLATED GROUND DECORATOR RECEPTACLE. PROVIDE BARRIER BETWEEN RECEPTACLES UNLESS CONNECTED TO SAME BRANCH CIRCUIT.
		DUPLEX RECEPTACLE, FLOOR. "GFI" = GROUND FAULT INTERRUPTER
		DUPLEX RECEPTACLE AND DATA OUTLET, FLOOR.
		DUPLEX RECEPTACLE, CEILING.
		JUNCTION BOX, WALL MOUNTED. REFER TO DRAWINGS FOR MOUNTING HEIGHTS.
		JUNCTION BOX, CEILING MOUNTED.
		IN GROUND COMPOSITE PULL BOX WITH OPEN BOTTOM AND TIER 15 RATING SIMILAR TO QUAZITE; PC 1212BA12. PROVIDE COVER WITH TWO BOLTS, TIER 15 RATING AND LOGO TO INDICATE APPROPRIATE USE.

ELEC SYMBOL LEGEND (NOTE 1)

MTG. HGT. (NOTE 2)	SYMBOL (NOTES 3 & 4)	DESCRIPTION
		LED LUMINAIRE SURFACE OR PENDANT MOUNTED FROM CEILING OR WALL MOUNTED.
		LED LUMINAIRE RECESSED IN CEILING.
		LED LUMINAIRE RECESSED IN CEILING WITH INTEGRAL EMERGENCY BATTERY BACK.
		CEILING MOUNTED LED EXIT SIGN. SHADED QUADRANT(S) INDICATES FACE(S). PROVIDE ARROWS AS INDICATED ON DRAWINGS. CONNECT UNSWITCHED TO LOCAL LIGHTING CIRCUIT.
		WALL MOUNTED LED EXIT SIGN. SHADED QUADRANT(S) INDICATES FACE(S). PROVIDE ARROWS AS INDICATED ON DRAWINGS. CONNECT UNSWITCHED TO LOCAL LIGHTING CIRCUIT.
		WALL MOUNTED LED EMERGENCY EGRESS LIGHT FIXTURE. CONNECT UNSWITCHED TO LOCAL LIGHTING CIRCUIT.
3'-10"		SINGLE-POLE DECORATOR LIGHT SWITCH. "WP" = WEATHER PROOF RATED NEMA 4.
3'-10"		3-WAY DECORATOR LIGHT SWITCH.
3'-10"		4-WAY DECORATOR LIGHT SWITCH.
3'-10"		nLIGHT ENABLED SINGLE CHANNEL LOW-VOLTAGE WALL SWITCH WITH ON/OFF AND RAISE/LOWER CONTROL EQUAL TO nLIGHT #nPODMA-DX.
3'-10"		nLIGHT ENABLED TWO CHANNEL LOW-VOLTAGE WALL SWITCH WITH ON/OFF AND RAISE/LOWER CONTROL EQUAL TO nLIGHT #nPODMA-2P-DX.
3'-10"		WATTSTOPPER DECORATOR "RADIANT STYLE" DIMMER, RECESSED MOUNTED IN JUNCTION BOX. VERIFY SWITCHING LOAD TYPE WITH LIGHTING FIXTURE SCHEDULE. FOR 0-10V DIMMING, PROVIDE WATTSTOPPER, RH4FL3PW. FOR SCREW IN LED LAMPS OR PHASE DIMMING, PROVIDE WATTSTOPPER, RH703PTUW.
		nLIGHT ENABLED POWER PACK EQUAL TO nLIGHT #nPP16-EFP. 'V' MODIFIER INDICATES VACANCY MODE AND IS EQUAL TO nLIGHT #nPP16-EFP-SA. 'D' MODIFIER INDICATES 0-10V DIMMING CAPABILITY AND IS EQUAL TO #nPP16-D-EFP(-SA).
		LOW VOLTAGE OCCUPANCY SENSOR, CEILING MOUNTED, DUAL TECHNOLOGY, EQUAL TO nLIGHT #nCM PDT-10-RJB.

NOTES (ELECTRICAL SYMBOL LEGEND):

- THESE ARE STANDARD SYMBOLS AND MAY NOT ALL APPEAR ON THE PROJECT DRAWINGS. HOWEVER, WHEREVER THIS SYMBOL APPEARS ON THE PROJECT DRAWINGS, THE ITEM SHALL BE FURNISHED AND INSTALLED.
- UNLESS NOTED OTHERWISE, MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. WHERE THE MOUNTING HEIGHT INDICATED ON PLAN IS DIFFERENT FROM THE LEGEND, THE PLAN TAKES PRECEDENT.
- INSTALL RECEPTACLE AND TELEDATA OUTLET BOXES 6" APART (EDGE TO EDGE) WHERE SHOWN SIDE BY SIDE ON WALL.
- SEE ELECTRICAL ABBREVIATIONS FOR ALPHABETIC SUBSCRIPT WITH SYMBOL, UNO.
- MOUNT ALL SINGLE AND DUPLEX RECEPTACLES VERTICALLY WITH GROUND SLOT UP, EXCEPT RECEPTACLES MOUNTED HORIZONTALLY WITH GROUND SLOT TO THE LEFT.

LOW VOLTAGE SYMBOL LEGEND

MTG. HGT.	SYMBOL	REMARKS
1'-6"		SECURITY CAMERA, CEILING MOUNTED, UNO. PROVIDE (1) 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING FOR LOW VOLTAGE. COORDINATE REQUIREMENTS AND EXACT LOCATION WITH OWNER'S LOW VOLTAGE CONTRACTOR.
1'-6"		PHONE OUTLET. HATCHED DOT = COUNTERTOP HEIGHT. PROVIDE 4" BOX WITH SINGLE-GANG PLASTER RING AND 3/4" CONDUIT TO ACCESSIBLE LOCATION. COORDINATE COVERPLATE FINISH WITH ARCHITECT.
1'-6"		DATA OUTLET. HATCHED DOT = COUNTERTOP HEIGHT. PROVIDE 4" BOX WITH SINGLE-GANG PLASTER RING AND 3/4" CONDUIT TO ACCESSIBLE LOCATION. COORDINATE COVERPLATE FINISH WITH ARCHITECT.
3'-10"		RECESSED WALL MOUNTED TV OUTLET. COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE 4"x4" BOX WITH SINGLE-GANG PLASTER RING AND 3/4" CONDUIT TO ACCESSIBLE LOCATION. COORDINATE COVERPLATE FINISH WITH ARCHITECT.
3'-10"		CARD READER. PROVIDE 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR AND BUSH. PROVIDE ALL NECESSARY PATHWAYS FOR ACCESS CONTROL CONNECTIONS TO CONTROLLED DOOR. COORDINATE WITH DOOR HARDWARE SUPPLIER AND OWNER'S LOW VOLTAGE VENDOR.
3'-10"		PUSH BUTTON. PROVIDE SINGLE GANG OUTLET BOX AND EXTEND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR AND BUSH. COORDINATE EXACT LOCATION WITH ARCHITECT.
3'-10"		MAG LOCK. PROVIDE 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR AND BUSH. PROVIDE ALL NECESSARY PATHWAYS FOR MAGLOCK CONNECTIONS TO CONTROLLED DOOR(S). COORDINATE WITH DOOR HARDWARE SUPPLIER AND OWNER'S LOW VOLTAGE VENDOR.
3'-10"		MAGLOCK RELEASE. PROVIDE 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR AND BUSH. COORDINATE WITH OWNER'S LOW VOLTAGE VENDOR.
3'-10"		NURSE CALL SYSTEM PULL STATION. PROVIDE EDWARDS 6537. COORDINATE REQUIREMENTS WITH OWNER.
6'-8"		WALL MOUNTED NURSE CALL SYSTEM AUDIO/VISUAL NOTIFICATION DEVICE. PROVIDE EDWARDS 7007B-SN. COORDINATE REQUIREMENTS WITH OWNER.

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

METHOD OF COMPLIANCE:

ENERGY CODE: PRESCRIPTIVE PERFORMANCE

ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE

LIGHTING SCHEDULE

LAMP TYPE REQUIRED IN FIXTURE } SEE LIGHTING FIXTURE SCHEDULE

NUMBER OF LAMPS IN FIXTURE

BALLAST TYPE USED IN FIXTURE

NUMBER OF BALLASTS IN FIXTURE

TOTAL WATTAGE PER FIXTURE

TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED: 1,630 W VS. 1,674 W

TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED: N/A VS. N/A

ADDITIONAL PRESCRIPTIVE COMPLIANCE

406.2 MORE EFFICIENT MECHANICAL EQUIPMENT

406.3 REDUCED LIGHTING POWER DENSITY

406.4 ENHANCED DIGITAL LIGHTING CONTROLS

406.5 ON-SITE SUPPLY OF RENEWABLE ENERGY

406.6 PROVISION OF A DEDICATED OUTDOOR AIR SYSTEM

406.7 HIGH-EFFICIENCY SERVICE WATER HEATING

ELECTRICAL DRAWING INDEX

E1.1	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E2.1	ELECTRICAL FLOOR PLAN - DEMOLITION
E3.1	ELECTRICAL FLOOR PLANS - NEW POWER & SIGNAL
E3.2	ELECTRICAL FLOOR PLANS - NEW LIGHTING
E4.1	ELECTRICAL SPECIFICATIONS



SKA CONSULTING ENGINEERS
 SKA Consulting Engineers, Inc.
 7900 Triad Center Drive, Suite 200
 Greensboro, NC 27409-9075
 t: 336 855 0993
 www.skaeng.com
 NC License No. F-6588

SKA Project Number:
 (Printed)



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 134 East Mountain Street

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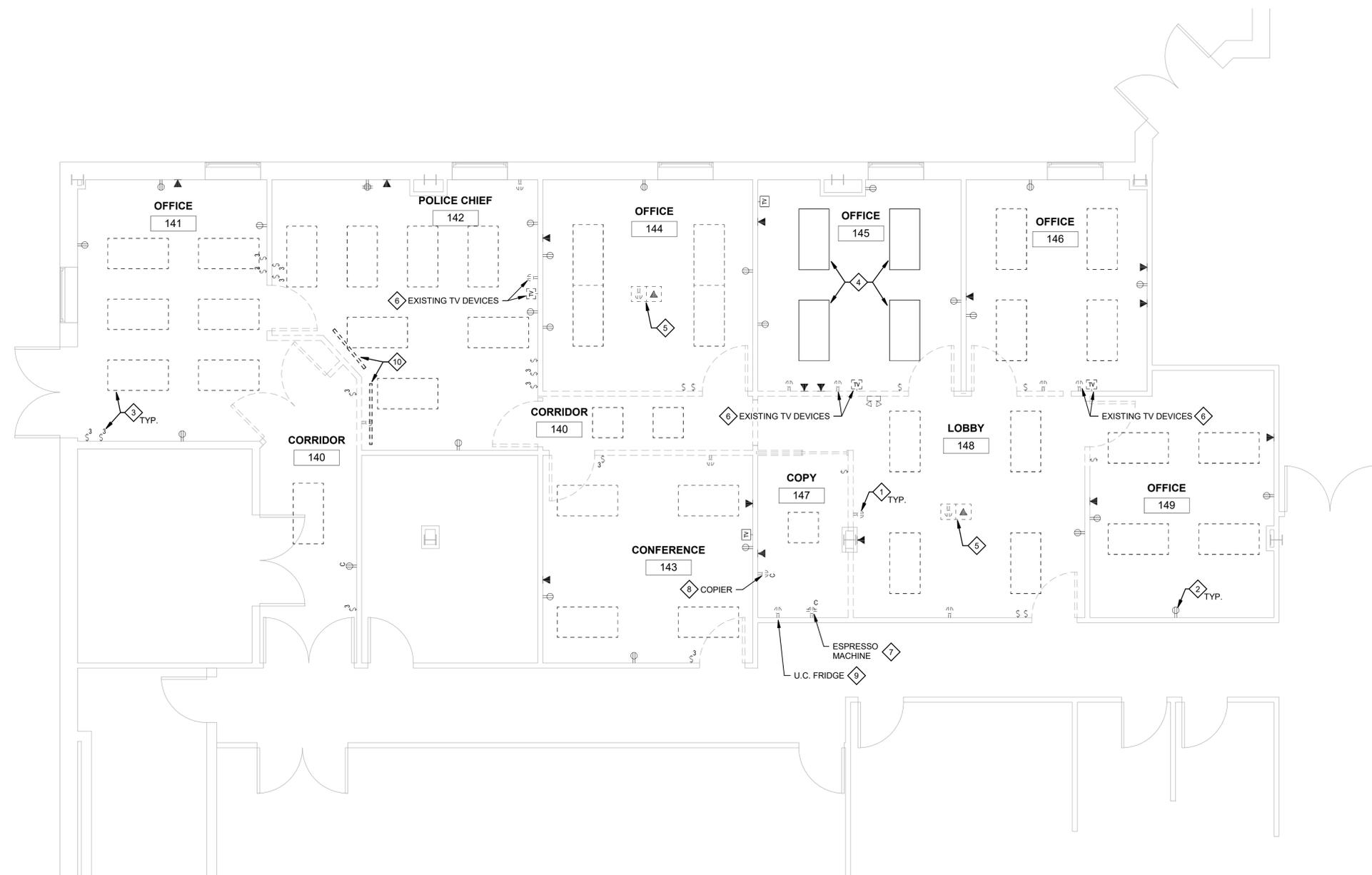
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ELECTRICAL SYMBOLS AND ABBREVIATIONS



1
E2.1 LEVEL 1 - ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"

ELECTRICAL DEMOLITION KEYED NOTES:

- 1 EXISTING POWER AND DATA DEVICES INDICATED BY DASHED LINETYPE SHALL BE DISCONNECTED AND REMOVED. ASSOCIATED CONDUIT AND CABLES SHALL BE EXTENDED TO NEW LOCATIONS AS REQUIRED. REFER TO 1/E3.1.
- 2 EXISTING POWER AND DATA DEVICES INDICATED BY LIGHT SOLID LINETYPE SHALL BE REMOVED AND REPLACED IN PLACE WITH NEW DEVICE AND COVERPLATE. ASSOCIATED CONDUIT AND CABLES SHALL REMAIN AND BE CONNECTED TO NEW DEVICE.
- 3 EXISTING LIGHT FIXTURES AND LIGHTING CONTROLS INDICATED BY DASHED LINETYPE SHALL BE DISCONNECTED AND REMOVED. ASSOCIATED BRANCH CIRCUIT SHALL REMAIN TO SUPPLY NEW LIGHT FIXTURES AND CONTROL WIRING SHALL BE REMOVED. REFER TO 1/E3.2.
- 4 EXISTING LED PANEL LIGHT FIXTURE INDICATED BY THIS NOTE IS EXISTING TO REMAIN. ASSOCIATED BRANCH CIRCUIT SHALL REMAIN. REMOVE CONTROL WIRING AND CONNECT TO NEW. REFER TO 1/E3.2.
- 5 EXISTING FLOOR BOX SHALL BE DISCONNECTED AND REMOVED. ASSOCIATED WIRING SHALL BE REMOVED. ASSOCIATED UNDERGROUND CONDUIT SHALL BE ABANDONED. PATCH EXISTING FLOOR AS REQUIRED.
- 6 EXISTING POWER AND TV DEVICES ASSOCIATED WITH EXISTING TVS AND INDICATED BY THIS NOTE SHALL BE DISCONNECTED AND REMOVED. ASSOCIATED CONDUIT AND CABLES SHALL BE EXTENDED TO NEW TV LOCATIONS AS REQUIRED. REFER TO 1/E3.1.
- 7 BRANCH CIRCUIT FOR EXISTING ESPRESSO MACHINE SHALL BE EXTENDED TO NEW ESPRESSO MACHINE LOCATION. REFER TO 1/E3.1.
- 8 BRANCH CIRCUIT FOR COPIER SHALL BE EXTENDED TO NEW COPIER LOCATION. REFER TO 1/E3.1.
- 9 BRANCH CIRCUIT FOR U.C. FRIDGE SHALL BE EXTENDED TO NEW FRIDGE LOCATION. REFER TO 1/E3.1.
- 10 EXISTING TRACK LIGHTS SHALL BE DISCONNECTED AND REMOVED ALONG WITH ALL CONTROL WIRING. ASSOCIATED BRANCH CIRCUIT SHALL REMAIN FOR REUSE TO THE EXTENT PRACTICABLE. OTHERWISE IT SHALL BE REMOVED.

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ELECTRICAL
FLOOR PLAN -
DEMOLITION

E2.1

EXISTING GE A SERIES PANELBOARD

Existing Panel: RP-1

Location: 2ND FLOOR ELECTRICAL
 Supply From: EXISTING
 Mounting: SURFACE
 Enclosure: NEMA 1

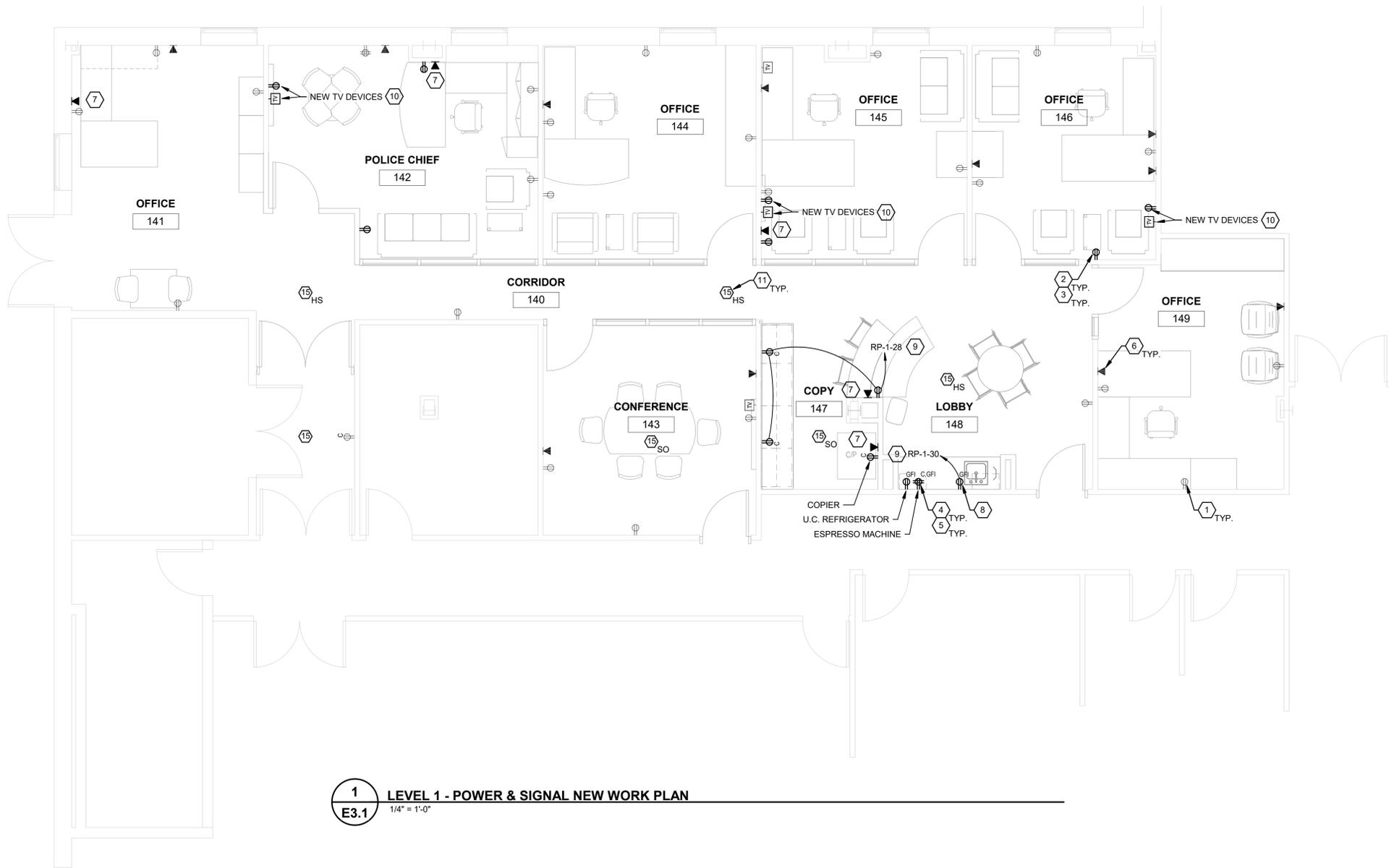
Volts: 208/120 WYE
 Phases: 3
 Wires: 4

Mains Rating: 225A
 Mains Type: MCB
 Feed Thru Lugs: NO
 A.I.C. Rating: EXISTING

CKT	Circuit Description	Branch Circuit Wiring	Trip/ Poles	PHASE LOADS (KVA)						Trip/ Poles	Branch Circuit Wiring	Circuit Description	CKT
				A	B	C	A	B	C				
1	RECP-140, 156	EXISTING	20/1							20/1	EXISTING	RECP-100-105, 108	2
3	RECP-140, 154	EXISTING	20/1							20/1	EXISTING	RECP-100-105	4
5	RECP-142, 155	EXISTING	20/1							20/1	EXISTING	RECP-100-105, OUTSIDE	6
7	RECP-108, 134-136, 138, 139	EXISTING	20/1							20/1	EXISTING	RECP-108, 120, 121, 128, 132	8
9	RECP-134-137, 139	EXISTING	20/1							20/1	EXISTING	RECP-119, 120, 128, 132	10
11	RECP-108, 134, 136	EXISTING	20/1							20/1	EXISTING	RECP-108, 119, 128	12
13	RECP-145-146, 148-150, OUTSIDE	EXISTING	20/1							20/1	EXISTING	RECP-COPIER 147	14
15	RECP-108, 143, 145, 146, 148, 149	EXISTING	20/1							20/1	EXISTING	HR BACK OFFICE	16
17	RECP-108, 129, 145, 146, 148, 149	EXISTING	20/1							20/1	EXISTING	SPARE [OFF]	18
19	RECP-114, 116, 118, ELEV PIT	EXISTING	20/1							20/1	EXISTING	EF-13 & EF-14	20
21	RECP-108, 116, 118, 157	EXISTING	20/1							20/1	EXISTING	FRONT DESK	22
23	RECP-118, 152, 153	EXISTING	20/1							20/1	EXISTING	RECP-BREAKROOM 127	24
25	CABINET HEATERS 100, 108	EXISTING	20/1							20/1	EXISTING	RECP-BREAKROOM 127	26
27	PAPER SHREDDER	EXISTING	20/1							20/1	NEW 1/2" C-2#12, #12G	RECP-ADMIN LOBBY	28
29	SPARE [OFF]	EXISTING	20/1							20/1	NEW 1/2" C-2#12, #12G	ADMIN. LOBBY SINK PUMP	30
31	EXISTING	EXISTING	20/1							20/1	EXISTING	PLANNING CONF.	32
33	EXISTING	EXISTING	20/1							20/1	EXISTING	EXISTING	34
35	RECP-QUAD CHIEF'S OFFICE	EXISTING	20/1							20/1	EXISTING	EXISTING	36
37	WIREMOLD ROOM 211	EXISTING	20/1							20/1	EXISTING	EXISTING	38
39	WIREMOLD ROOM 211	EXISTING	20/1							50	EXISTING	RANGE	40
41	WIREMOLD ROOM 211	EXISTING	20/1							2			42

Notes:
 ○ INDICATES NEW LOAD ON EXISTING SPARE CIRCUIT BREAKER

ALL CIRCUIT BREAKERS ARE EXISTING UNLESS NOTED OTHERWISE.



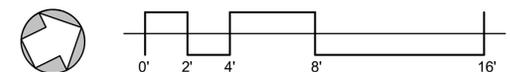
FIRE ALARM GENERAL NOTES

- PROVIDE NOTIFICATION APPLIANCES FOR THE EXISTING SYSTEM COMPATIBLE WITH THE EXISTING SIMPLEX FIRE ALARM CONTROL PANEL. THESE APPLIANCES ARE TO BE RED WITH WHITE LETTERING. AUDIBLE NOTIFICATION APPLIANCES ARE TO UTILIZE A SETTING AT A MINIMUM OF 87dB. VISUAL NOTIFICATION APPLIANCES SHALL BE CAPABLE OF MULTIPLE CANDELA SETTINGS UP TO 110 CANDELAS.
- EXTEND NEW WIRING FOR NEW NOTIFICATION DEVICES BACK TO EXISTING NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLY. VERIFY EXISTING POWER SUPPLY HAS ENOUGH CAPACITY TO SERVE NEW DEVICES PRIOR TO CONNECTION AND PROVIDE ADDITIONAL POWER SUPPLIES AS REQUIRED. REFERENCE MANUFACTURER'S INFORMATION FOR EXACT WIRING REQUIREMENTS.
- THE ENTIRE FIRE ALARM SYSTEM INSTALLATION SHALL BE IN FULL ACCORDANCE WITH THE NFPA 72-2018, NC STATE BUILDING CODE, THE AMERICANS WITH DISABILITIES ACT AND ALL OTHER APPLICABLE CODES.
- WIRE SIZE SELECTIONS FOR AUDIO/VISUAL UNITS SHALL BE CALCULATED AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- SYSTEM SHALL BE INSTALLED AND CONNECTED IN ACCORDANCE WITH WIRING DIAGRAMS OBTAINED FROM THE IES MANUFACTURER AND THAT HAVE BEEN APPROVED BY THE AUTHORITIES HAVING JURISDICTION, AS APPLICABLE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM ALL QUANTITIES AND LOCATION OF FIRE ALARM DEVICES PRIOR TO SYSTEM INSTALLATION.
- MOUNT ALL WALL MOUNTED VISUAL UNITS TO NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR.
- ALL WIRING SHALL BE IN ACCORDANCE WITH NFPA 70 (NATIONAL ELECTRIC CODE) ARTICLE 760 AND WITH NFPA 72.
- CONTRACTOR SHALL CHECK ALL RUNS OF CABLE FOR SHORT CIRCUITS OR GROUND, OPEN WIRING, AND SHALL INSTALL AND CHECK ALL RESISTORS TO BE IN PLACE.
- PER NFPA 72, 18.5.4.4.5 - VISIBLE APPLIANCES SHALL BE NO MORE THAN 15 FT. FROM THE END OF THE CORRIDOR WITH A SEPARATION NO GREATER THAN 100 FT. BETWEEN APPLIANCES. ANY INTERRUPTION OF THE CONCENTRATED VIEWING PATH SUCH AS FIRE DOORS OR ELEVATION CHANGE, THE AREA SHALL BE CONSIDERED AS A SEPARATE CORRIDOR. CORRIDORS WHERE MORE THAN TWO VISIBLE NOTIFICATION APPLIANCES ARE IN ANY FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION.

NEW POWER & SIGNAL KEYED NOTES:

- FOR RECEPTACLES INDICATED BY LIGHT LINETYPE, PROVIDE NEW DEVICE AND COVERPLATE WITH COLOR AS INDICATED BY ARCHITECT. INSTALL NEW DEVICE IN EXISTING BOX AND CONNECT TO EXISTING BRANCH CIRCUIT.
- WHERE INDICATED BY HEAVY LINETYPE, INSTALL NEW RECEPTACLE IN NEW LOCATION. RECEPTACLE SHALL BE CONNECTED TO THE BRANCH CIRCUIT PREVIOUSLY SUPPLYING DEMOLISHED RECEPTACLE IN THE SAME AREA. EXTEND BRANCH CIRCUIT AS REQUIRED.
- ALL RECEPTACLES SHALL BE INSTALLED AT 18" A.F.F. TO ACCOMMODATE A.D.A. REQUIREMENTS, UNLESS NOTED OTHERWISE.
- ALL RECEPTACLES WITHIN 6'-0" OF A SINK SHALL BE 'G.F.I.' PROTECTED.
- THE MOUNTING HEIGHT OF DEVICES LOCATED ABOVE A COUNTERTOP OR WORKSURFACE SHALL BE VERIFIED AND COORDINATED WITH ARCHITECTURAL DETAILS.
- FOR DATA, TELEPHONE, AND TV DEVICES, UNLESS NOTED OTHERWISE, PROVIDE NEW DEVICE AND COVERPLATE WITH COLOR AS INDICATED BY ARCHITECT. INSTALL NEW DEVICE IN EXISTING BOX AND CONNECT TO EXISTING WIRING. COORDINATE WITH OWNER'S IT REPRESENTATIVE.
- WHERE INDICATED BY THIS NOTE, INSTALL NEW DATA DEVICE IN NEW LOCATION. ALL NEW TELEPHONE, DATA, AND TV OUTLETS SHALL CONSIST OF A RECESSED METAL BACKBOX, SINGLE GANG PLASTER RING, 3/4" EMT CONDUIT TO AN ACCESSIBLE ABOVE CEILING LOCATION, AND A PULLSTRING. PROVIDE NYLON BUSHING ON ENDS OF CONDUIT. COORDINATE WITH OWNER'S IT REPRESENTATIVE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE G.F.I. RECEPTACLE FOR POWER CONNECTION TO NEW PUMP DP-1 AS SHOWN. COORDINATE WITH PLUMBING CONTRACTOR.
- PROVIDE NEW BRANCH CIRCUIT AS INDICATED FROM PANEL 'RP-1' LOCATED IN THE SECOND FLOOR ELECTRICAL ROOM. REFER TO PANEL 'RP-1' PANEL SCHEDULE FOR DETAILS.
- COORDINATE WITH ARCHITECT FOR EXACT MOUNTING HEIGHT AND LOCATION OF NEW TV DEVICES PRIOR TO ROUGH-IN.
- PROVIDE NEW FIRE ALARM DEVICES TO MATCH EXISTING SYSTEM AND CONNECT TO EXISTING BUILDING SIMPLEX FIRE ALARM SYSTEM. ALL WORK SHALL BE PERFORMED BY A LICENSED FIRE ALARM CONTRACTOR. THE FIRE ALARM CONTRACTOR SHALL INCLUDE THE COST OF ALL PERMITS AND SYSTEM PROGRAMMING AND TESTING IN SCOPE OF WORK.

1 LEVEL 1 - POWER & SIGNAL NEW WORK PLAN
 E3.1 1/4" = 1'-0"



viibe

SKA
 CONSULTING
 ENGINEERS
 SKA Consulting Engineers, Inc.
 7900 Triad Center Drive, Suite 200
 Greensboro, NC 27409-9075
 t: 336 855 0993
 www.skaeng.com
 NC License No. F-6588

SKA Project Number:
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 134 East Mountain Street

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ELECTRICAL
 FLOOR PLANS -
 NEW POWER &
 SIGNAL
E3.1

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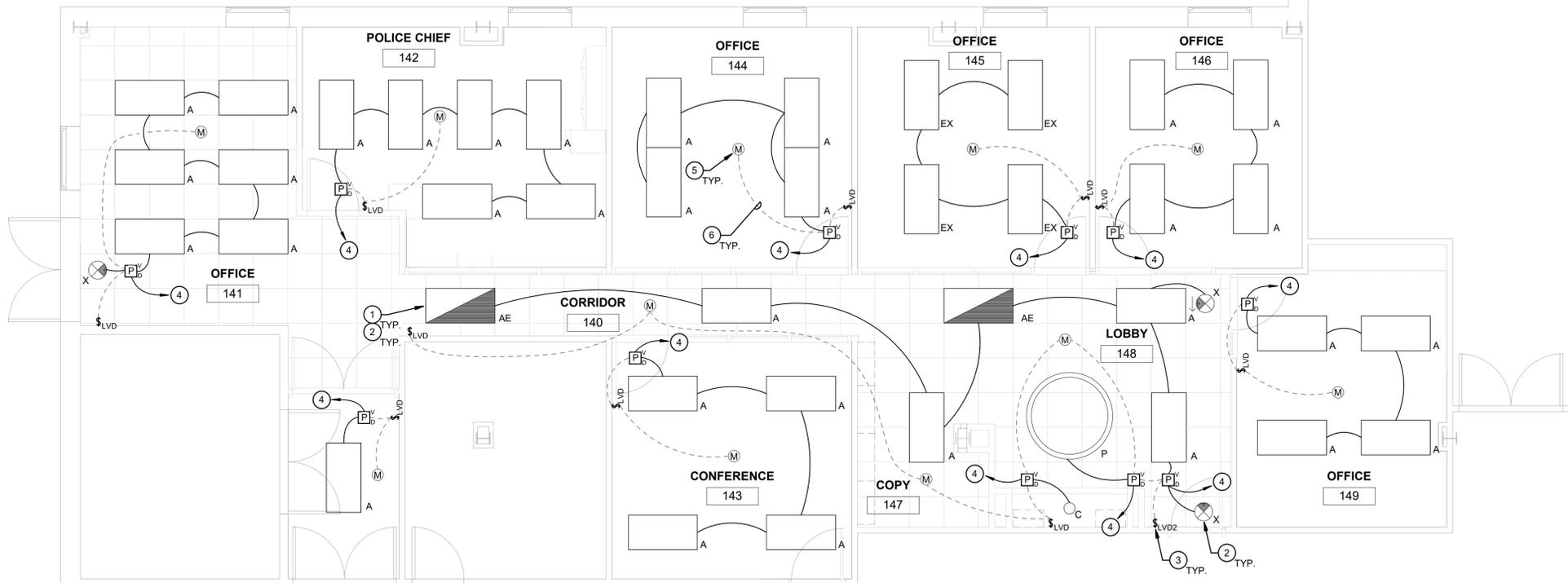
LIGHTING FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	CATALOG NO.	VOLTS	LAMP SOURCE	ENERGY INPUT (W)	MOUNTING	DESCRIPTION
A	LITHONIA	CPX - 2x4 - 4000LM - 40K - M2	120-277	LED 4,000 LUMENS 4000°K, 80 CRI	38.9	RECESSED IN CEILING GRID	2'x4' LED PANEL WITH 4000 LUMENS, 4000K COLOR TEMPERATURE, SATIN WHITE LENS, AND MULTIVOLT 0-10V DIMMING DRIVER.
AE	LITHONIA	CPX - 2x4 - 4000LM - 80CRI - 40K - SWL - MIN10 - ZT - MVOLT - E10WLCF	120-277	LED 4,000 LUMENS 4000°K, 80 CRI	38.9	RECESSED IN CEILING GRID	2'x4' LED PANEL WITH 4000 LUMENS, 4000K COLOR TEMPERATURE, SATIN WHITE LENS, MULTIVOLT 0-10V DIMMING DRIVER, AND INTEGRAL EMERGENCY BATTERY PACK.
C	LITHONIA	LDN6 - 40/15 - L06 - AR - LSS - TRW - MVOLT - GZ10	120-277	LED 1,500 LUMENS 4000°K, 80 CRI	17.5	RECESSED IN CEILING	LED 6" DOWNLIGHT WITH 4000K COLOR TEMPERATURE, 1,500 LUMENS, CLEAR TRIM, WHITE FLANGE, AND MULTIVOLT 0-10V DIMMING DRIVER.
EX	LITHONIA	CPX - 2x4 - 4000LM - 40K - M2	120-277	LED 4,000 LUMENS 4000°K, 80 CRI	38.9	RECESSED IN CEILING GRID	EXISTING FIXTURE SIMILAR TO FIXTURE TYPE 'A' ABOVE.
P	OCL	GL3 - P1EM - 60 - MW - X - LED1 - 40K - UNV - 48" - DM1	120-277	LED 10,000 LUMENS 4000°K, 80 CRI	95	PENDANT	LED 60" Ø DECORATIVE PENDANT WITH INNER TRIM, REMOTE DRIVER, MATTE WHITE DIFFUSER, 10,000 LUMENS, MULTIVOLT 0-10V DIMMING DRIVER, AND 48" FIELD ADJUSTABLE AIRCRAFT CABLE. COORDINATE FINISH COLOR WITH ARCHITECT.
X	LITHONIA	LQM - S - W - 3 - R - MVOLT - EL N	120-277	LED	N/A	UNIVERSAL	LED EXIT SIGN WITH WHITE HOUSING, RED LETTERING, MULTIVOLT DRIVER, AND INTEGRAL NI-CAD BATTERY. REFER TO SYMBOL SCHEDULE AND LIGHTING PLANS FOR MOUNTING AND ARROWS.



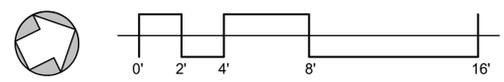
SKA
CONSULTING
ENGINEERS
SKA Consulting Engineers, Inc.
7900 Triad Center Drive, Suite 200
Greensboro, NC 27409-9075
t: 336 855 0993
www.skaeng.com
NC License No. F6588

SKA Project Number:
Plotted:



- NEW LIGHTING KEYED NOTES:**
- 1 LIGHTING FIXTURES WITH AN INTEGRAL EMERGENCY BATTERY PACK ARE INDICATED AS A HALF-FILLED SYMBOL.
 - 2 EXIT SIGNS AND EMERGENCY BATTERY PACKS SHALL BE CONNECTED TO THE UNSWITCHED CIRCUIT INDICATED FOR CONSTANT POWER TO THE BATTERY.
 - 3 TYPICAL LIGHT SWITCH MOUNTING HEIGHT SHALL BE 48" A.F.F. TO THE TOP OF THE DEVICE, UNLESS NOTED OTHERWISE.
 - 4 LIGHT FIXTURES SHALL BE WIRED AS SHOWN AND CONNECTED TO EXISTING BRANCH CIRCUIT HOMERUN THAT PREVIOUSLY SUPPLIED DEMOLISHED LIGHT FIXTURES IN THE SAME AREA.
 - 5 CONTRACTOR SHALL LOCATE AND ADJUST CEILING MOUNTED OCCUPANCY SENSORS AS REQUIRED TO PROVIDED DESIRED COVERAGE. INSTALL ASSOCIATED POWER PACK ABOVE CEILING NEAR ROOM SWITCH LOCATION FOR EASE OF MAINTENANCE.
 - 6 DASHED LINETYPE BETWEEN LOW VOLTAGE LIGHTING DEVICES INDICATES LOW VOLTAGE CONTROL INTENT.

2
E3.2 LEVEL 1 - LIGHTING NEW WORK PLAN
1/4" = 1'-0"



Town of Kernersville Police Admin
134 East Mountain Street

REVISIONS	DATE

PROJECT NUMBER: 23-148
ISSUE DATE: 04-10-2024
DRAWN BY: JMB
CHECKED BY: JMB

SHEET
ELECTRICAL
FLOOR PLANS -
NEW LIGHTING

E3.2

01 02 03 04 05 06 07 08 09 10

