

CITY OF SALEM

CITY OF SALEM MUNICIPAL BUILDING FIRST FLOOR FIT-OUT

125 WEST BROADWAY
SALEM, NEW JERSEY 08079



BACH Associates, PC
ENGINEERS • ARCHITECTS • PLANNERS

304 White Horse Pike
Haddon Heights, New Jersey 08035

Tel 856-546-8611
Fax 856-546-8612

www.BachDesignGroup.com

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Code Review Data:

APPLICABLE BUILDING CODES & GUIDELINES
2021 INTERNATIONAL BUILDING CODE - NEW JERSEY EDITION
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL FUEL GAS CODE
2020 NATIONAL ELECTRIC CODE
2021 NATIONAL STANDARD PLUMBING CODE - NEW JERSEY EDITION
2017 ICC/ANSI A117.1
USE GROUP CLASSIFICATION (CHAPTER 3)
ASSEMBLY: B - BUSINESS
TYPE OF CONSTRUCTION (CHAPTER 6)
5B
HEIGHT AND AREA LIMITATIONS (CHAPTER 5)
B, 2 STORY 40', 9,000 SF - (5B CONSTRUCTION)
AREA OF FLOOR PLAN:
B: 4,025± SF

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E-1.0	ELECTRICAL LIGHTING FLOOR PLANS
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M-2.0	MECHANICAL FLOOR PLAN AND NOTES



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NJ REGISTERED ARCHITECT No. AI 14872
NJ PROFESSIONAL PLANNER No. LJ 05557

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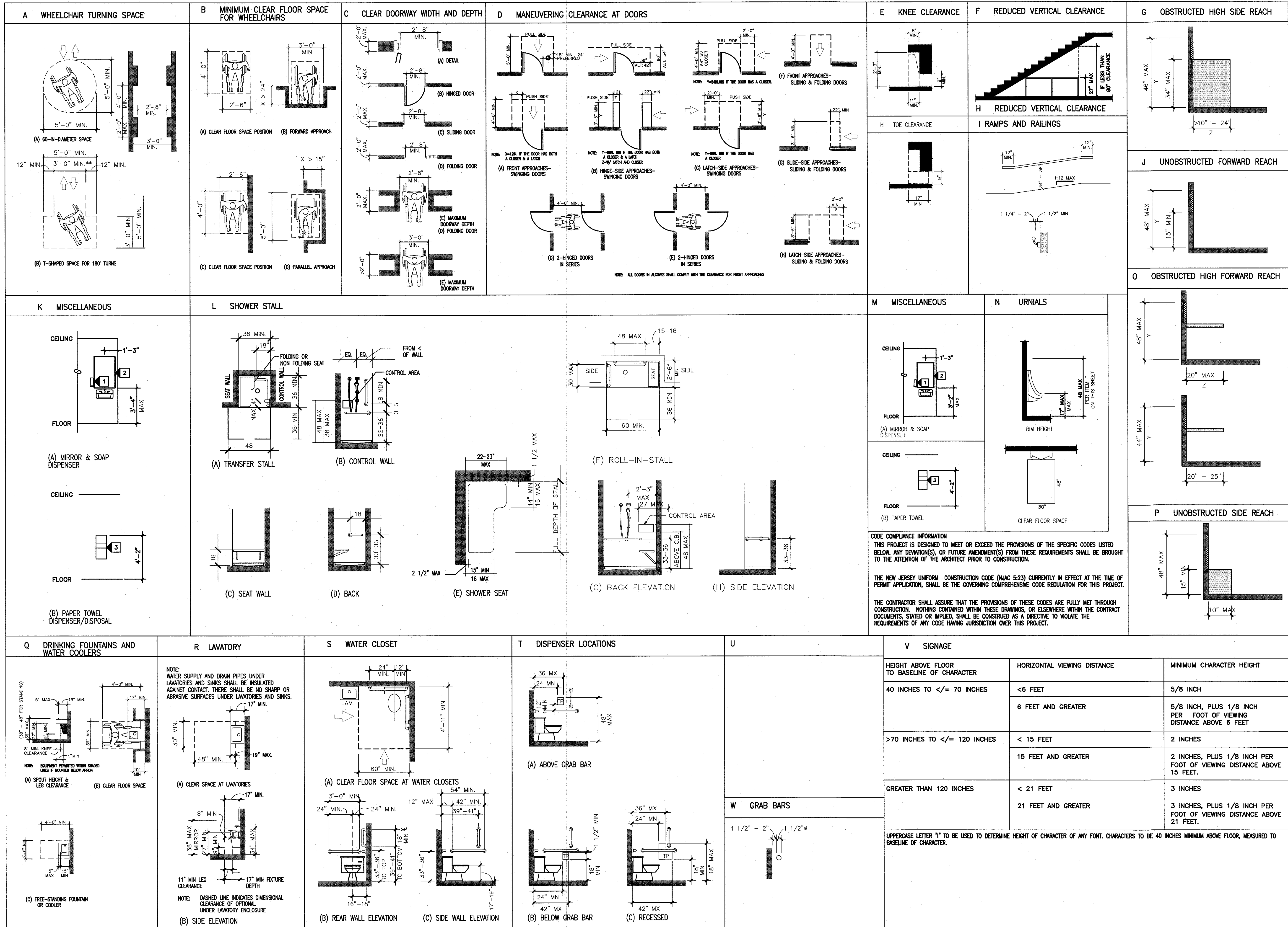
DRAWING TITLE:

**COVER SHEET
AND INDEX
OF DRAWINGS**

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C-1

BARRIER FREE GUIDELINES FOR CONSTRUCTION – ICC/ANSI A117.1 – 2009



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ADA GUIDELINES

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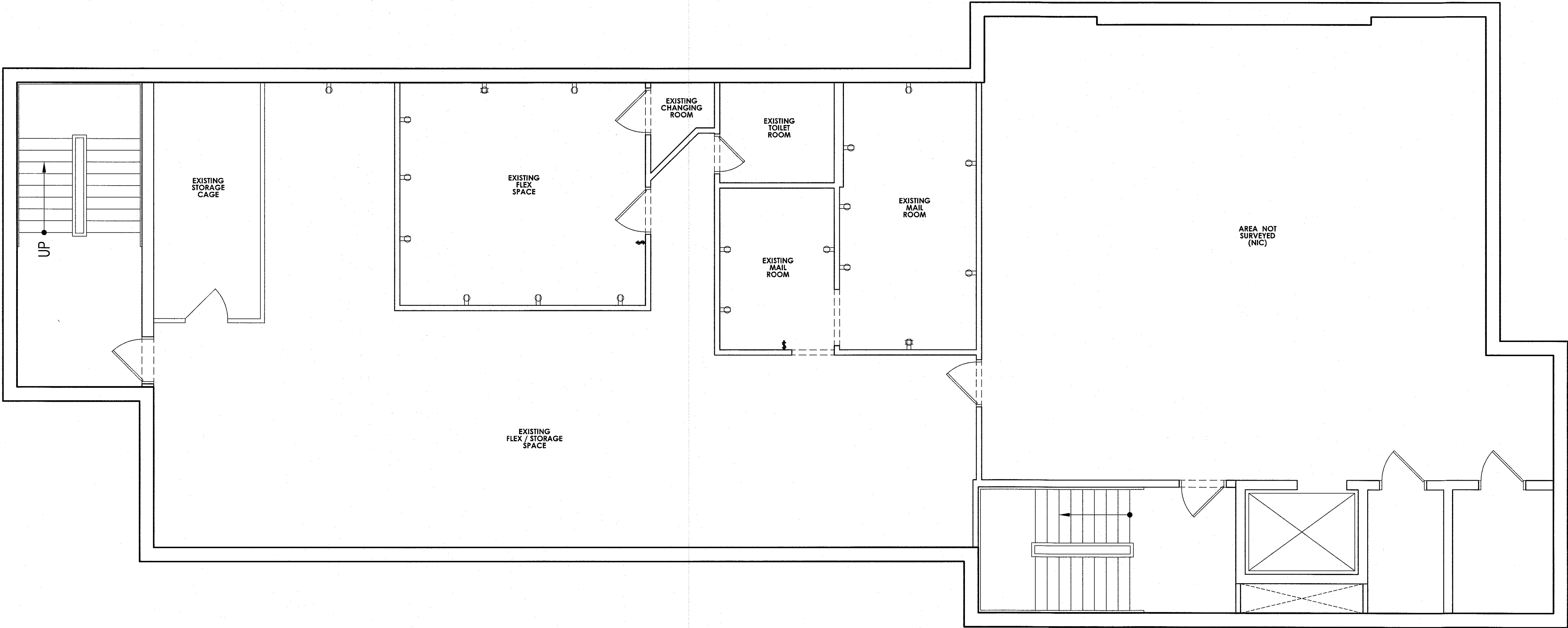
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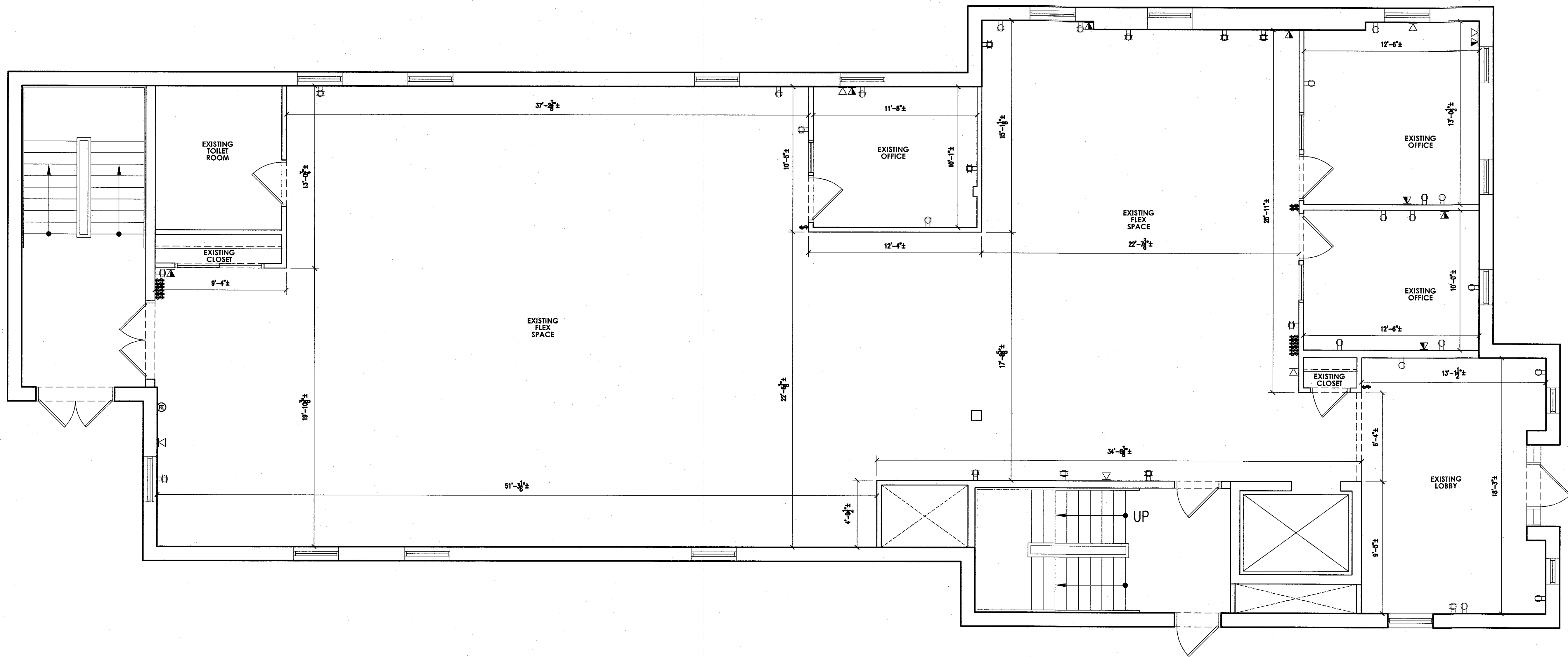
EXISTING
BASEMENT
FLOOR PLAN

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EX-1



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



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


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**EXISTING
FIRST FLOOR
PLAN**

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EX-2



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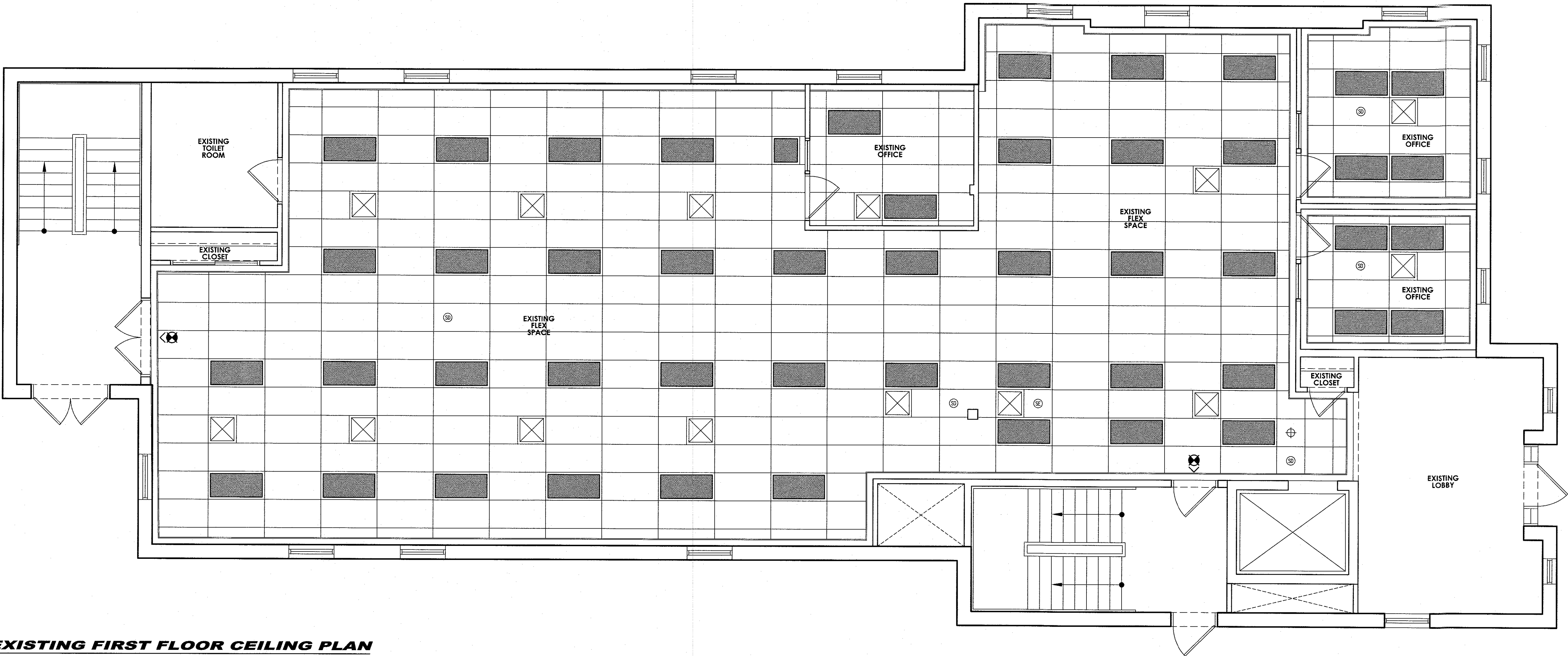
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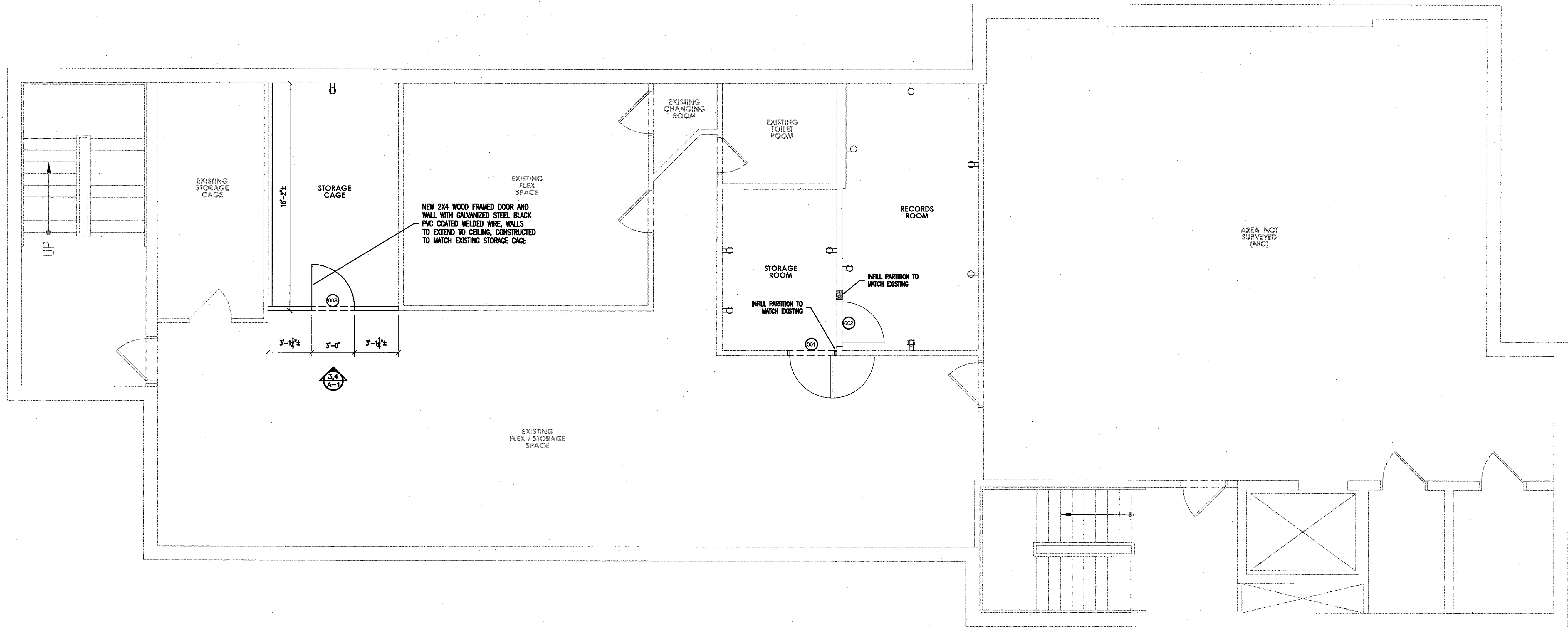
EXISTING
FIRST FLOOR
CEILING PLAN

JOB NO: SC2023-01	DESIGNED BY: DM3
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EX-3



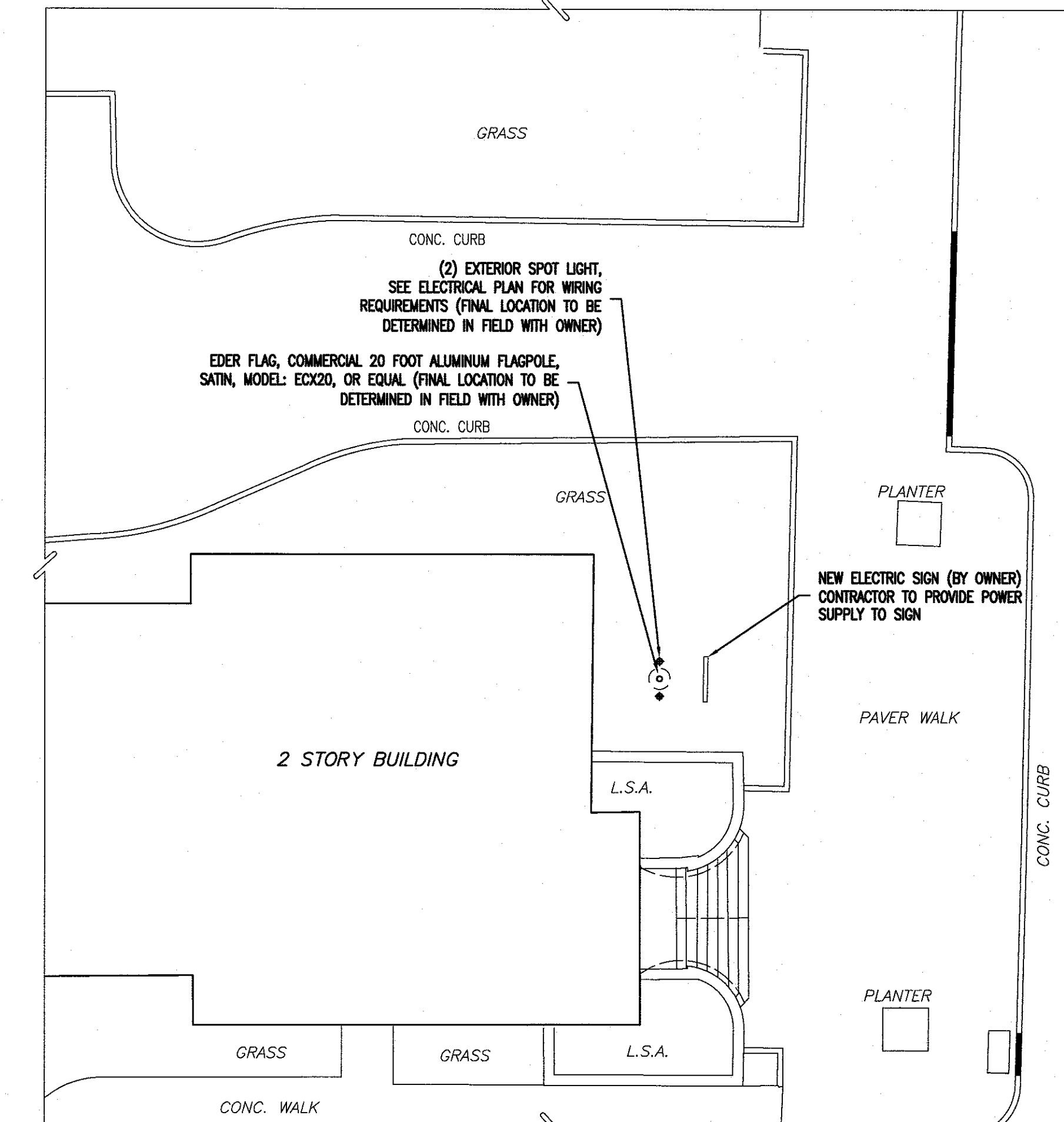
1 EXISTING FIRST FLOOR CEILING PLAN
SCALE: 1/4" = 1'-0"



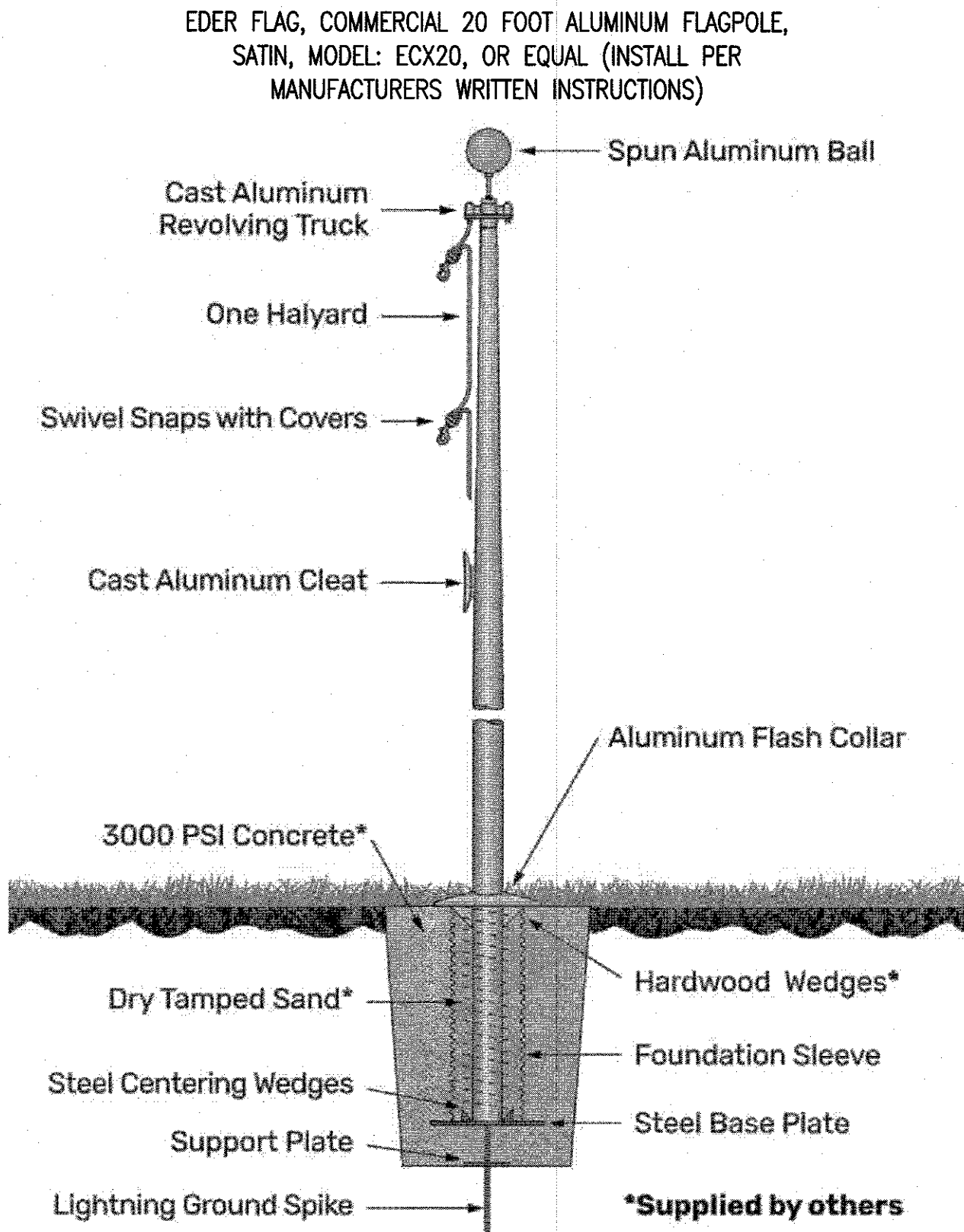
FLOOR PLAN LEGEND:

- PARTITION TO BE DEMOLISHED
- NEW INTERIOR PARTITION
- NEW INTERIOR, LEVEL 3 BULLET RESISTANT WALL PARTITION
- EXISTING PARTITION
- NEW DOOR AND FRAME
- EXISTING DOOR AND FRAME
- DUPLEX RECEPTACLE OUTLET
- 220V OUTLET
- DUPLEX RECEPTACLE OUTLET-GROUND FAULT INTERRUPTER
- WPGFI WATER PROOF DUPLEX RECEPTACLE OUTLET-GROUND FAULT INTERRUPTER
- SURFACED MOUNTED OUTLET
- INCANDESCENT LIGHT FIXTURE
- EXTERIOR INCANDESCENT LIGHT FIXTURE
- EXTERIOR FLOOD LIGHT ON MOTION SENSOR
- SWITCH
- DIMMER SWITCH
- 3-WAY SWITCH
- 4-WAY SWITCH
- IR/MOTION OCCUPANCY SENSOR
- SMOKE DETECTOR - HARDWARE & INTERCONNECTED
- CARBON MONOXIDE DETECTOR HARDWARE & INTERCONNECTED
- SPRINKLER
- FIRE STROBE/ALARM
- FIRE PULL STATION
- FIRE EXTINGUISHER
- CEILING MOUNTED SPEAKER
- SECURITY EQUIPMENT (CAMERA)
- TELEPHONE JACK
- DATA
- EMERGENCY PULL SWITCH
- FLOOR DRAIN
- EMERGENCY EXIT LIGHT WITH DIRECTION INDICATOR
- EMERGENCY LIGHT
- EXHAUST FAN UNIT (DIRECT VENT TO OUTSIDE)
- LIGHT/EXHAUST FAN UNIT (DIRECT VENT TO OUTSIDE)
- HOSE BIB (FREEZE PROOF)
- SECTION TAG
- ELEVATION TAG
- PARTITION TYPE
- DOOR IDENTIFICATION

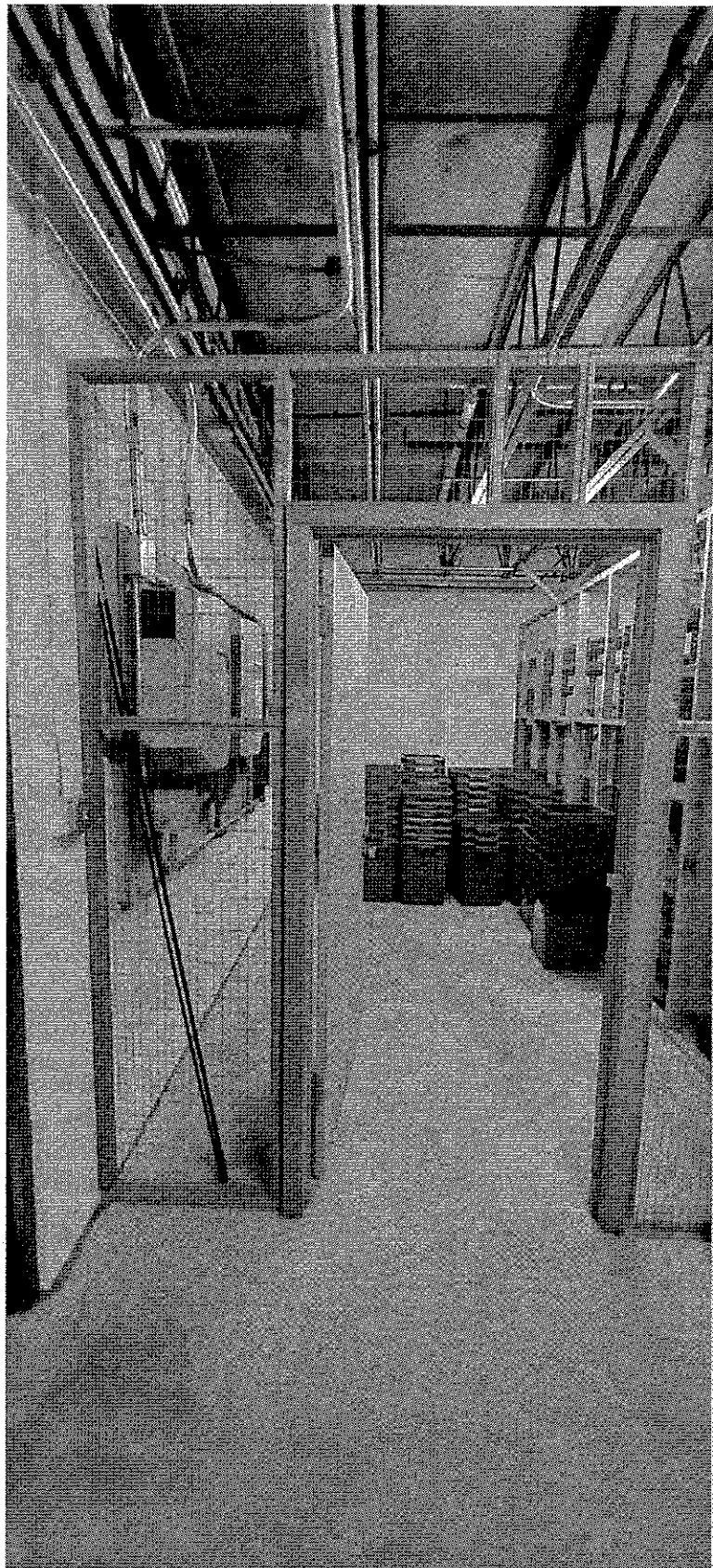
1 BASEMENT FLOOR PLAN
SCALE: 1/4" = 1'-0"



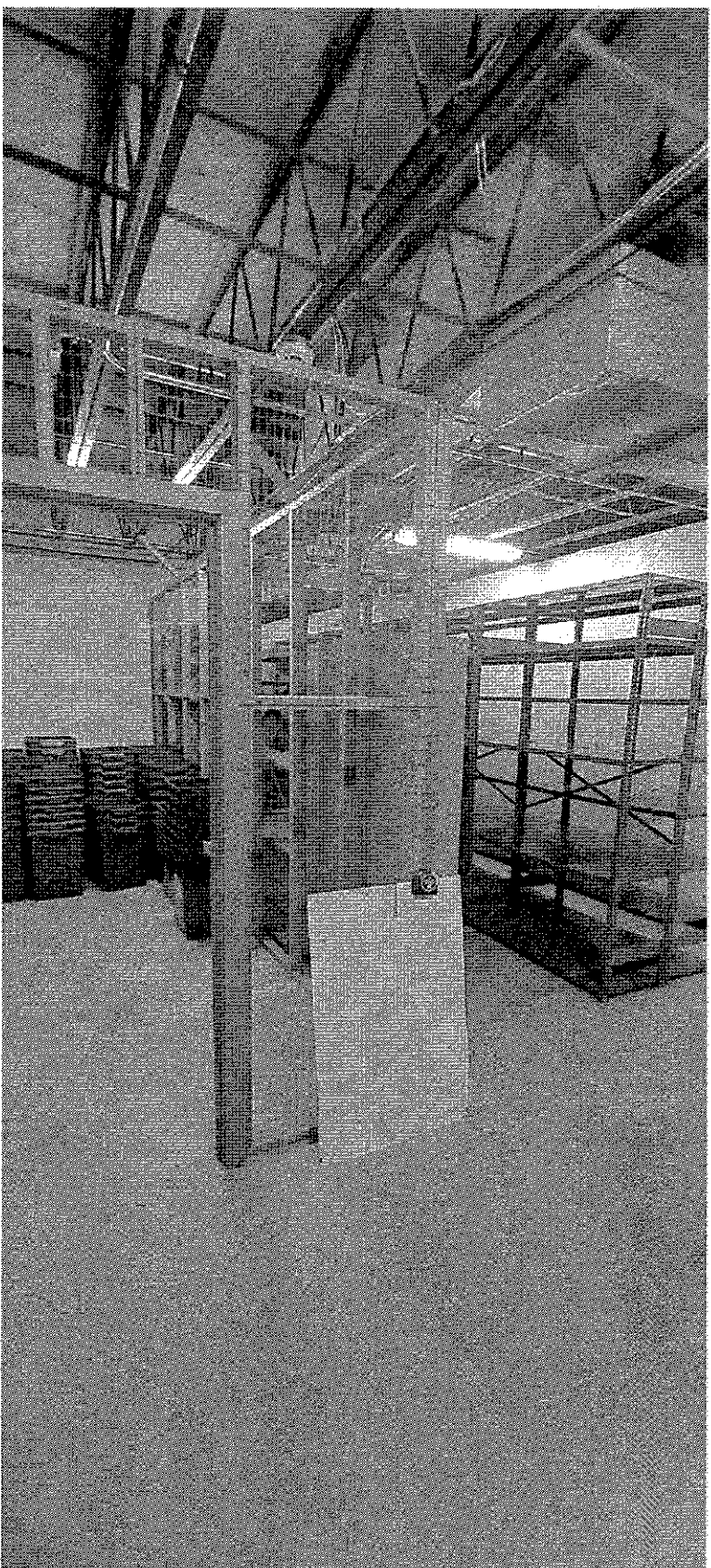
2 FLAG POLE LOCATION PLAN
SCALE: NOT TO SCALE



3 DETAIL - FLAG POLE
SCALE: NOT TO SCALE



4 PHOTO - STORAGE CAGE
SCALE: NOT TO SCALE



5 PHOTO - STORAGE CAGE
SCALE: NOT TO SCALE



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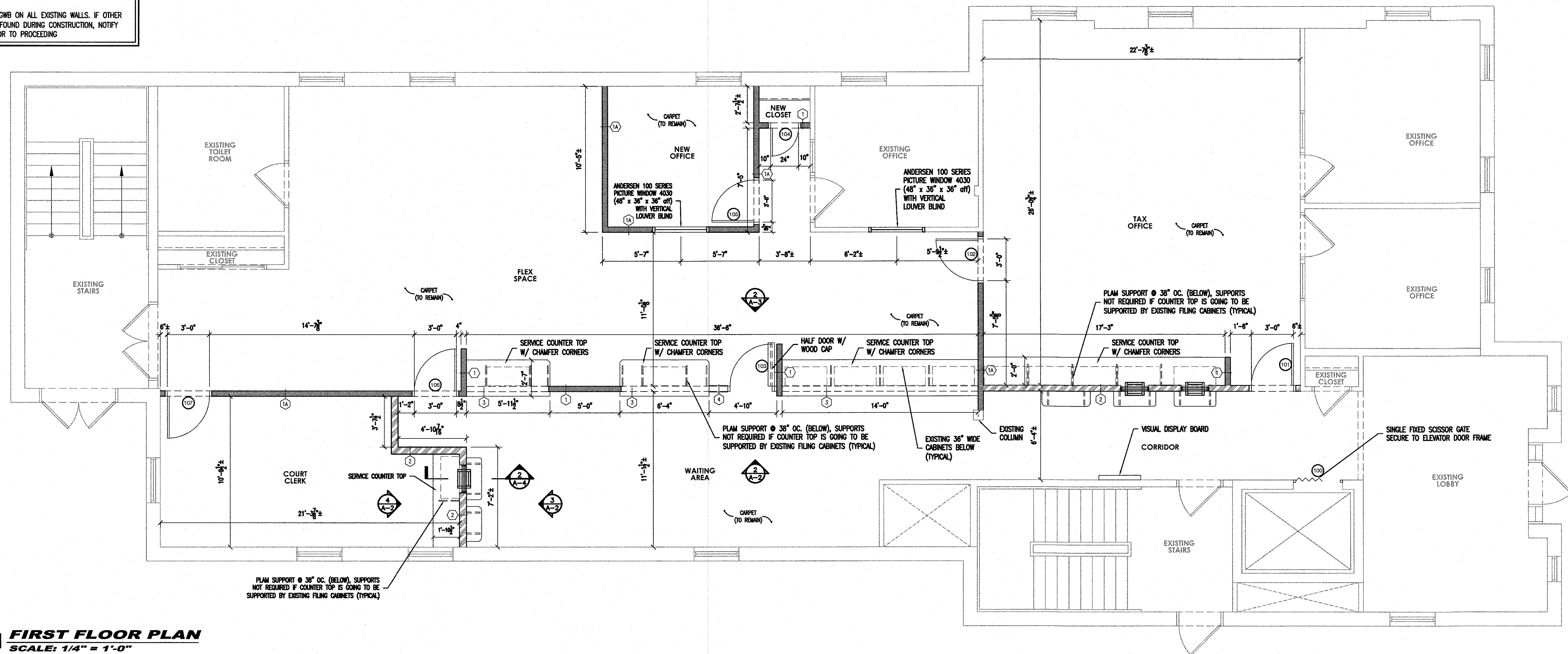
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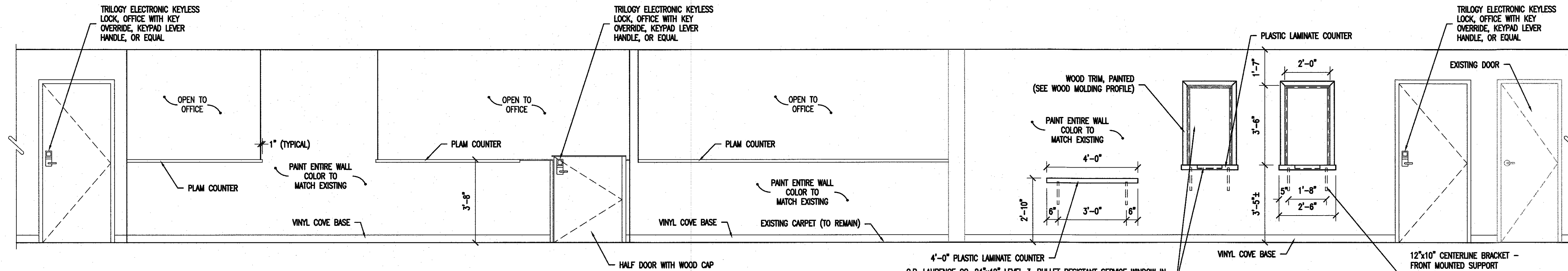
DRAWING TITLE:
BASEMENT FLOOR PLAN, FLAG POLE LOCATION PLAN

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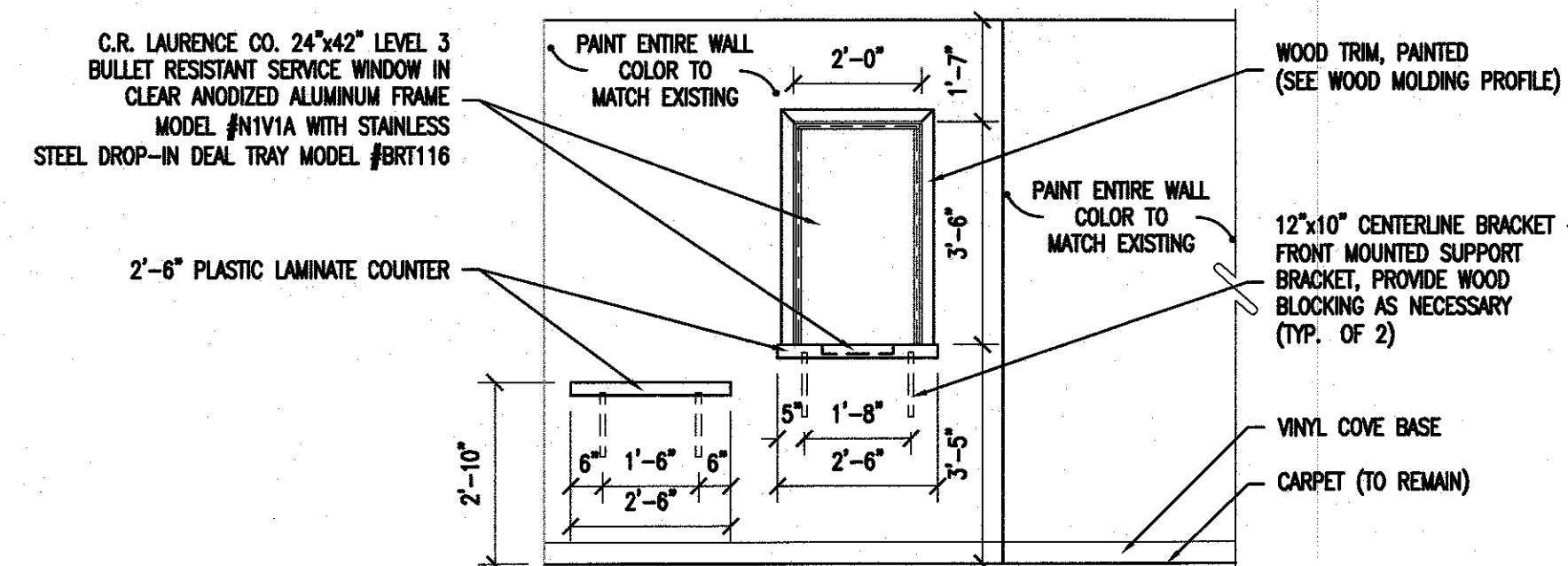
NOTE:
ASSUME 1/2" GWB ON ALL EXISTING WALLS. IF OTHER
THAN 1/2" IS FOUND DURING CONSTRUCTION, NOTIFY
ARCHITECT PRIOR TO PROCEEDING



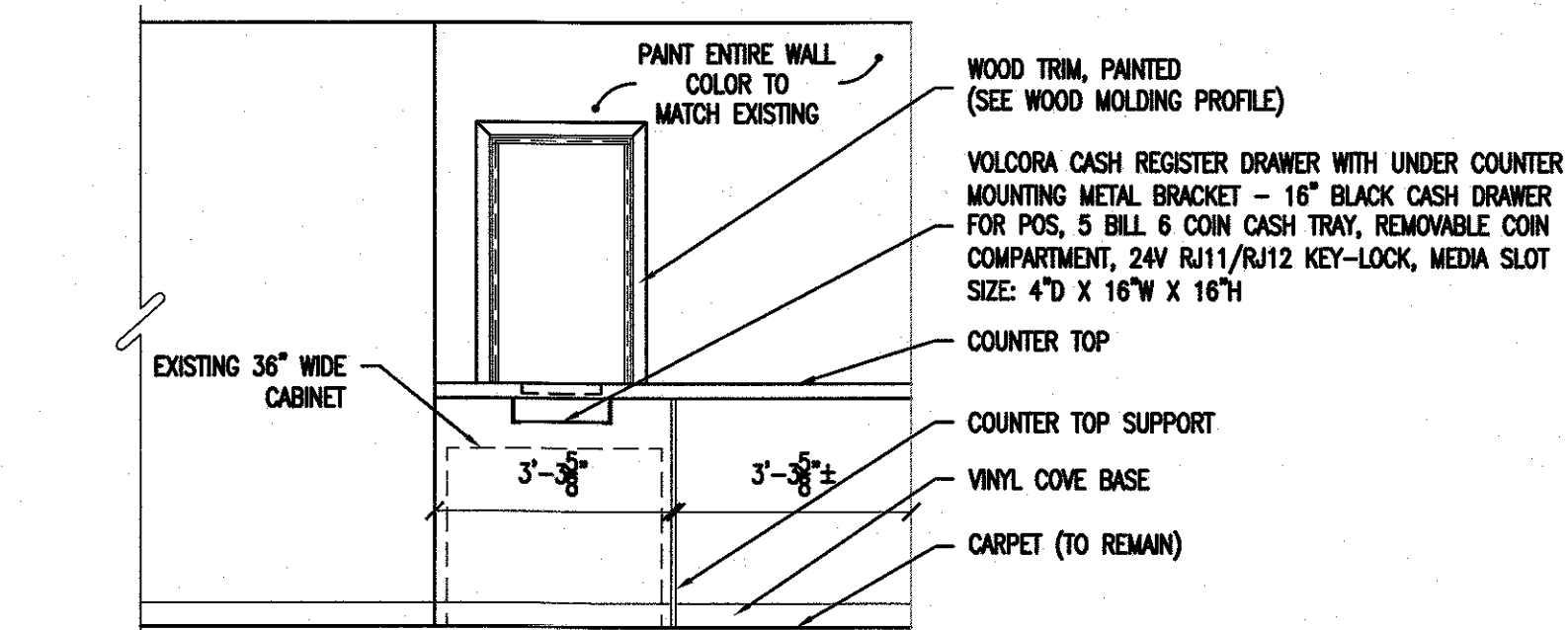
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SCALE: 1/4" = 1'-0"



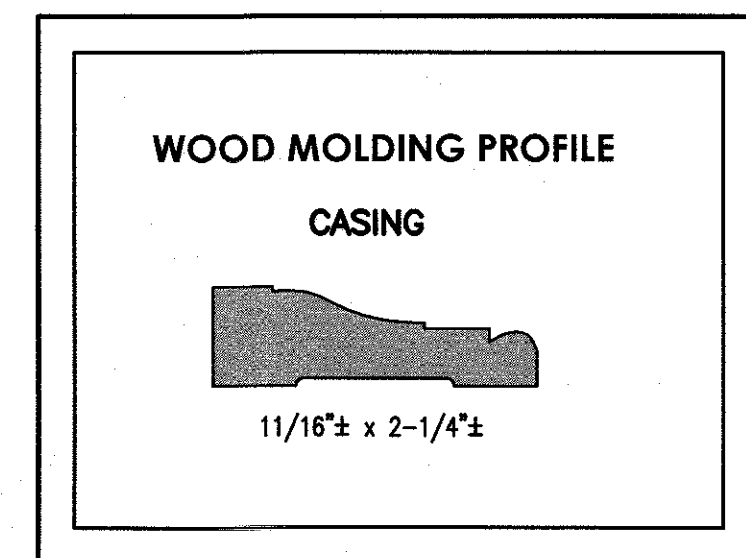
2 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



3 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



4 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



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DRAWING TITLE:

**FIRST FLOOR
PLAN, INTERIOR
ELEVATIONS AND
DETAIL**

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A-2



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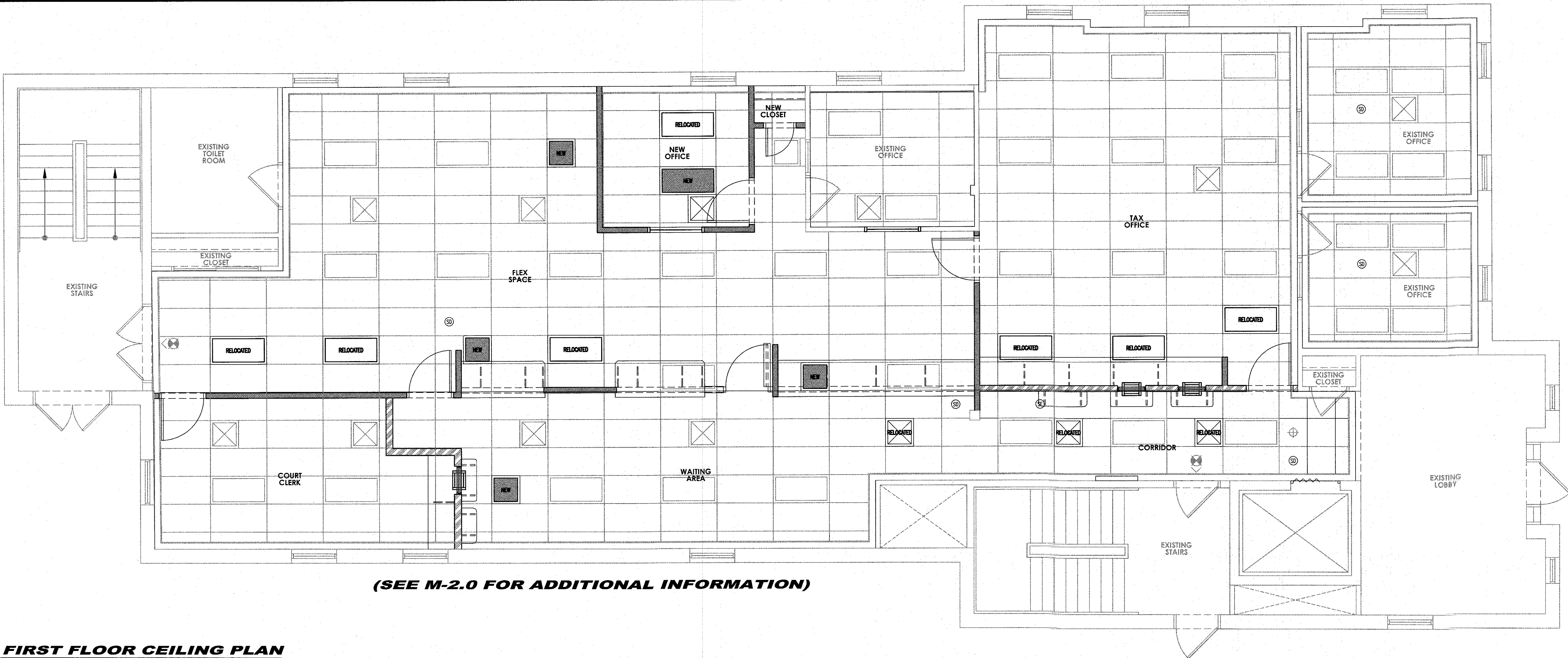
DRAWING TITLE:

FIRST FLOOR
CEILING PLAN &
INTERIOR
ELEVATION

JOB NO: SC2023-01	DESIGNED BY: DM3
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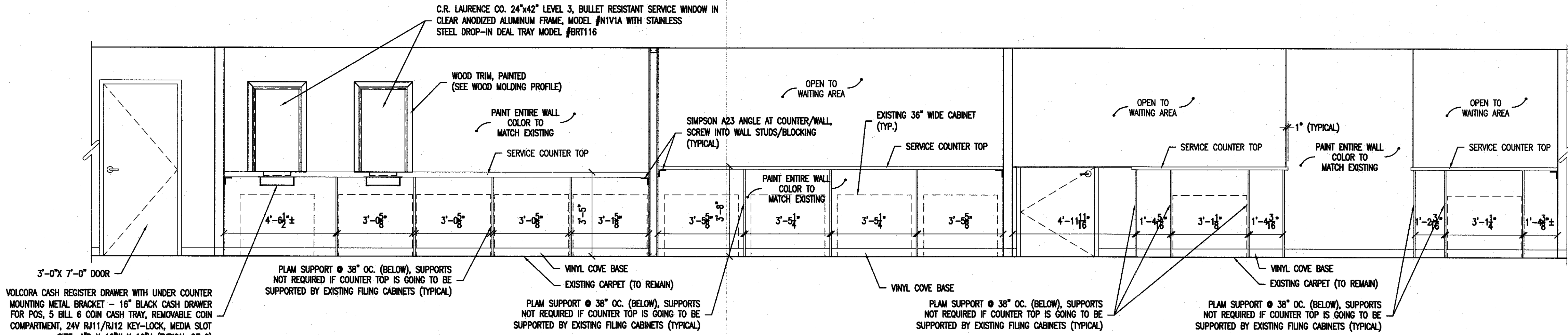
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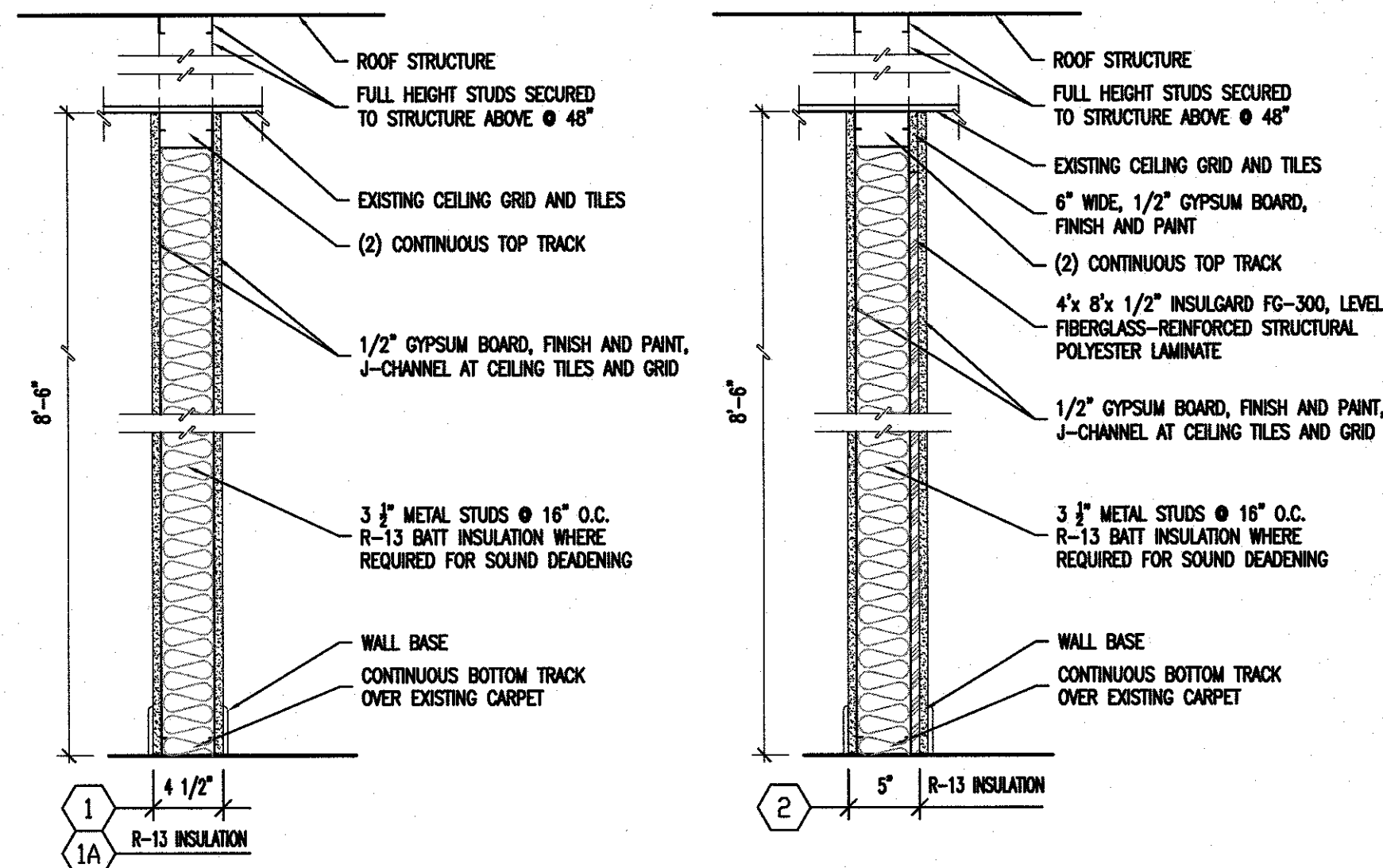


(SEE M-2.0 FOR ADDITIONAL INFORMATION)

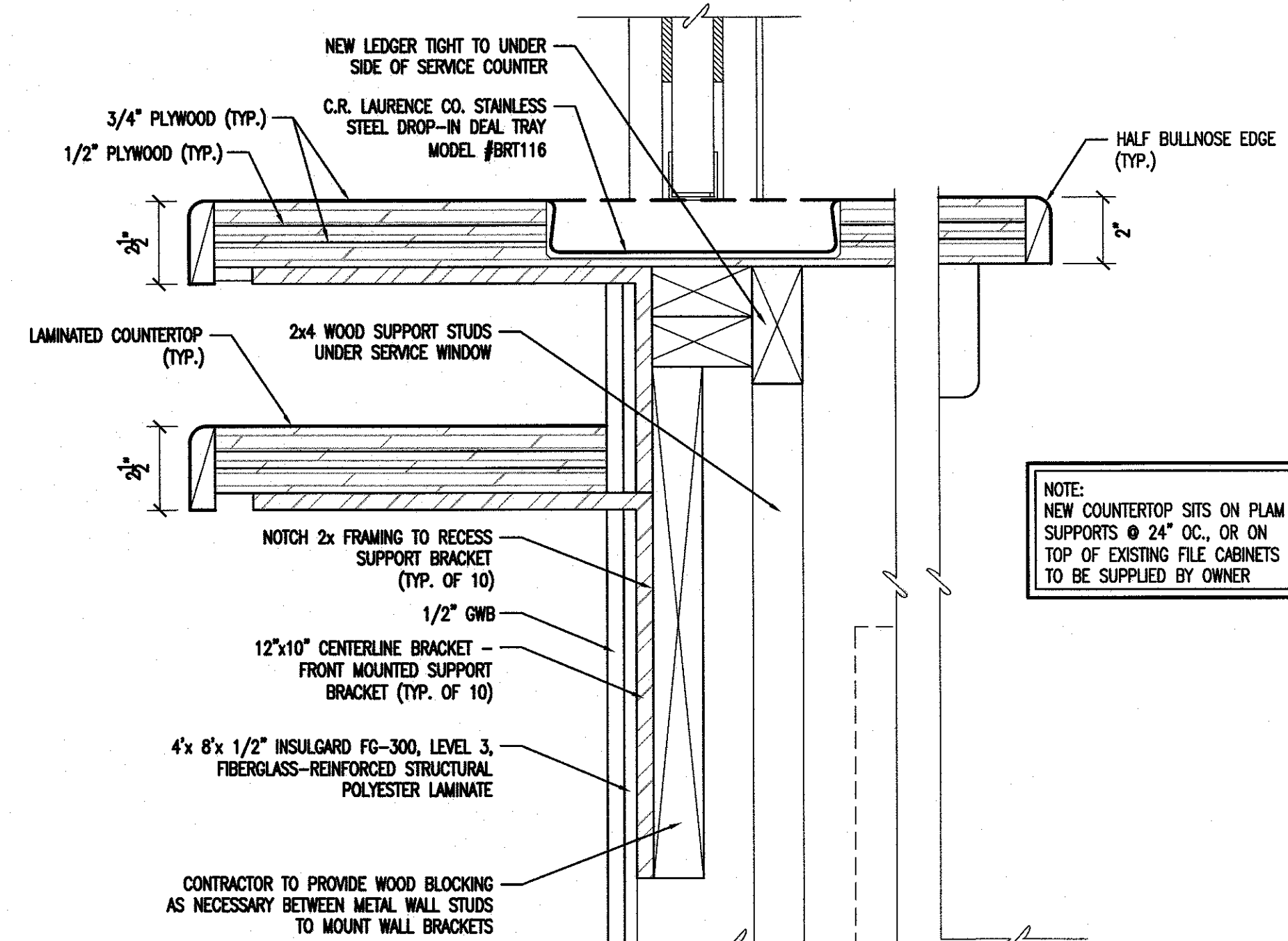
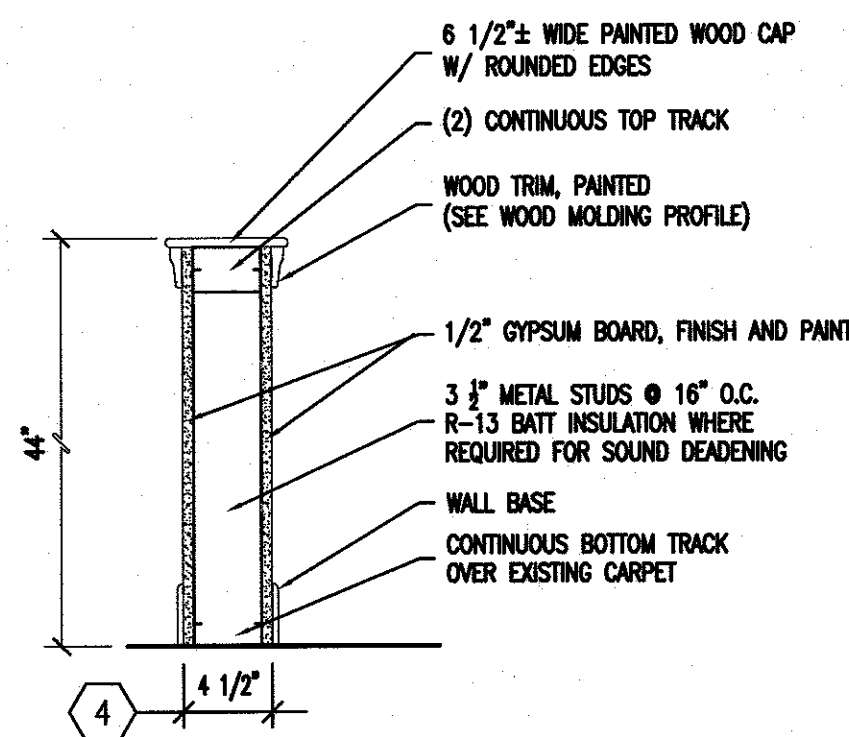
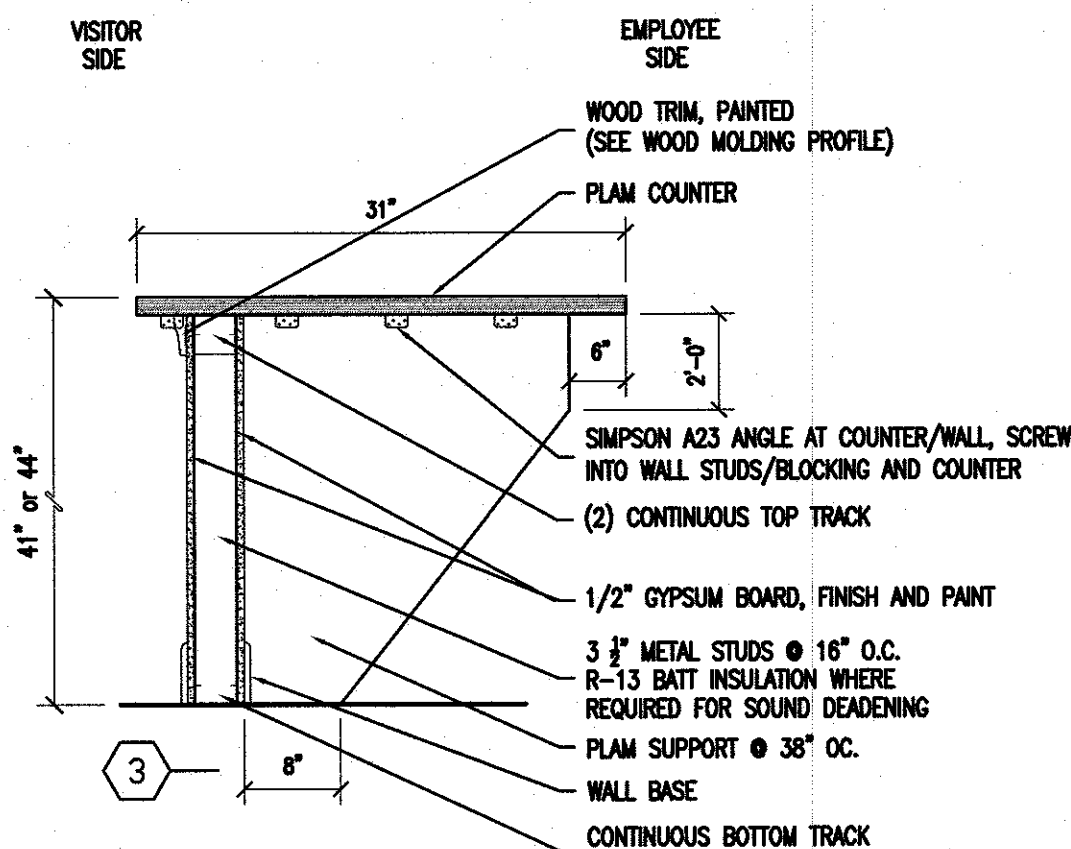
1 FIRST FLOOR CEILING PLAN
SCALE: 1/4" = 1'-0"



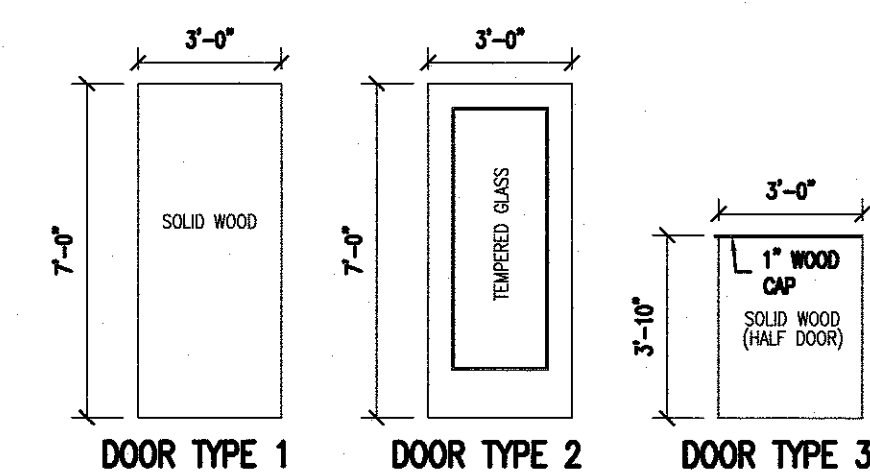
2 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



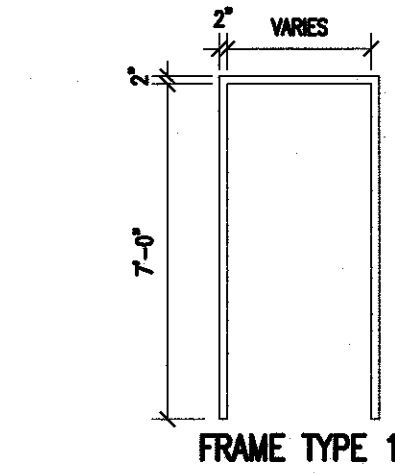
1 PARTITION TYPES
SCALE: NOT TO SCALE



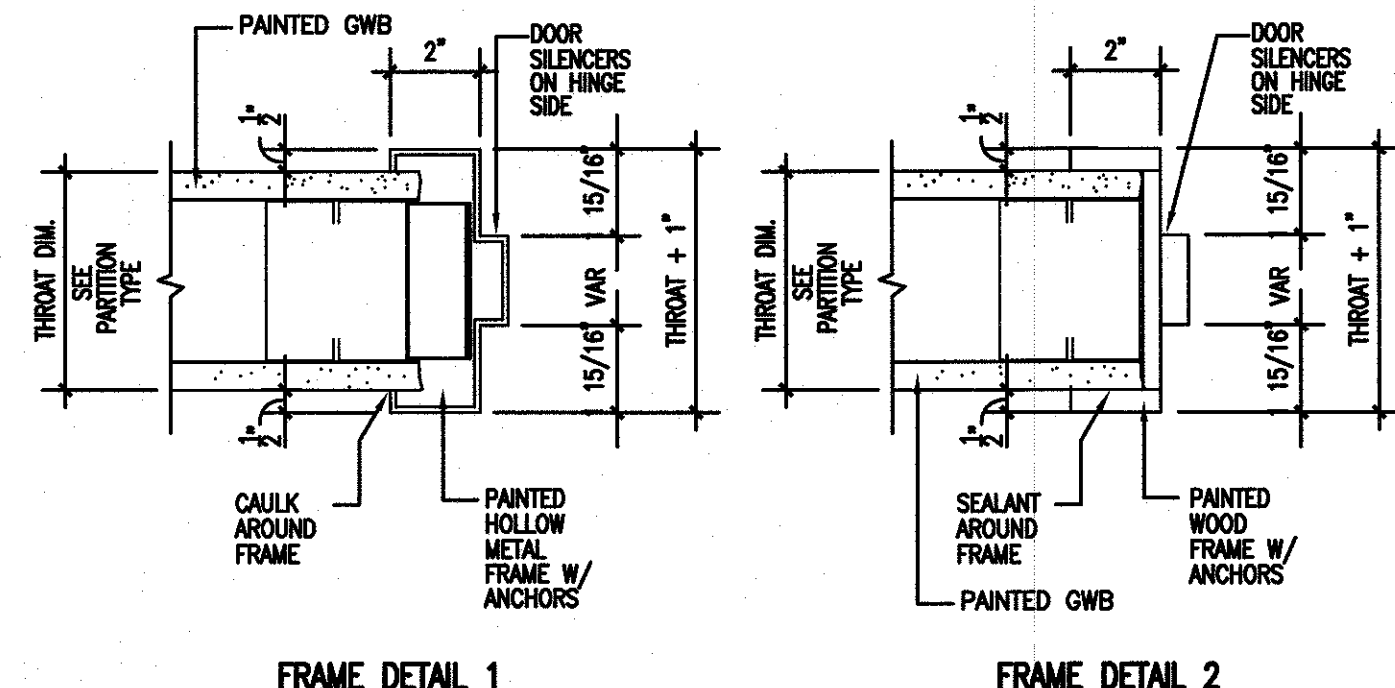
2 DETAIL - COUNTERTOP BRACKET
SCALE: 3" = 1'-0"



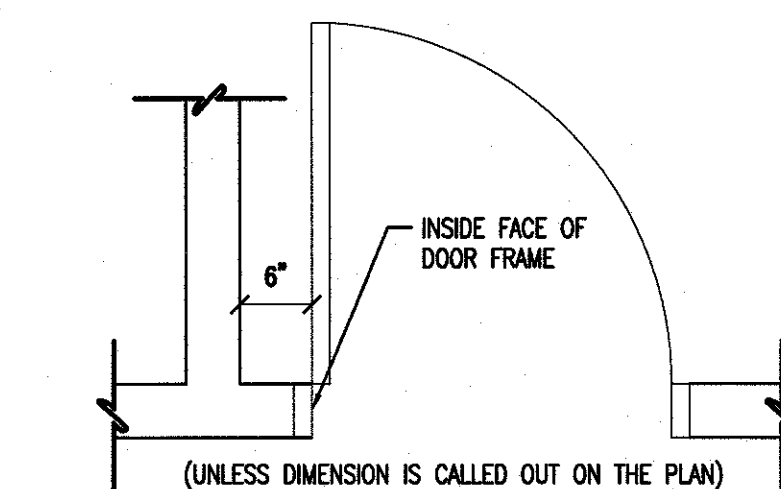
3 DOOR TYPES
SCALE: NOT TO SCALE



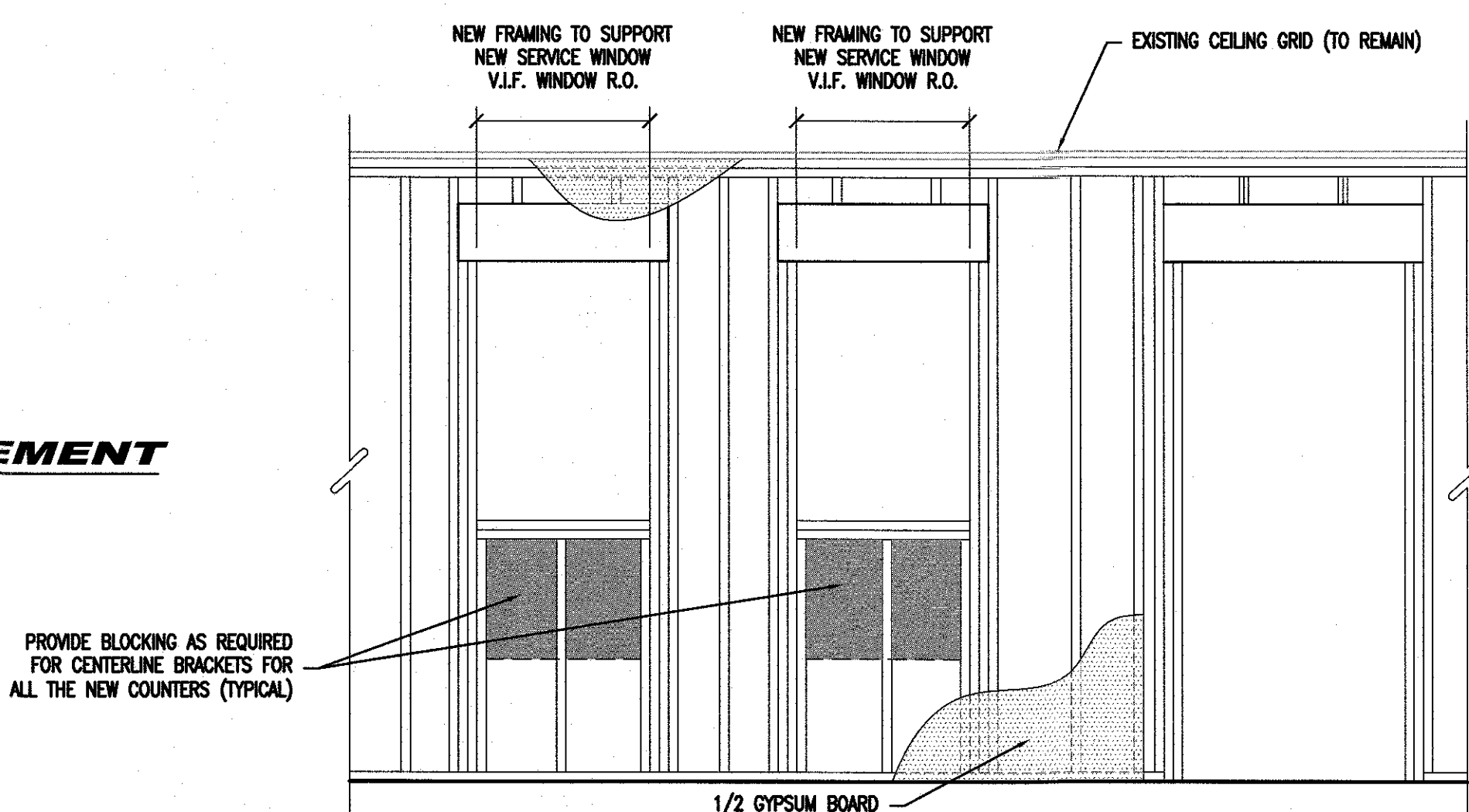
4 FRAME TYPE
SCALE: NOT TO SCALE



5 FRAME DETAILS
SCALE: NOT TO SCALE



6 TYPICAL DOOR PLACEMENT
SCALE: NOT TO SCALE



PROVIDE BLOCKING AS REQUIRED FOR CENTERLINE BRACKETS FOR ALL THE NEW COUNTERS (TYPICAL)

PROVIDE BLOCKING AS REQUIRED FOR CENTERLINE BRACKETS FOR ALL THE NEW COUNTERS (TYPICAL)

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DOOR SCHEDULE

DOOR NUMBER	DOOR SIZE	TYPE	MATERIAL	FINISH	FRAME TYPE	MATERIAL	FINISH	FRAME DETAIL	HARDWARE SET	DOOR THRESHOLD	FIRE RATING	HEADER AND SUPPORTS	REMARKS
BASEMENT													
001	3'-0" x 7'-0"	1	WD	P	1	HM	P	2	PRV/DS	-	-	(2) 2x10 HEADER, (2) 2x4 JACK STUD	FLUSH 18 GAUGE STEEL HOLLOW METAL DOOR PAINTED WITH PRIVACY LOCK AND DEAD BOLT
002	3'-0" x 7'-0"	1	WD	P	1	HM	P	2	PRV/DS	-	-	(2) 2x10 HEADER, (2) 2x4 JACK STUD	FLUSH 18 GAUGE STEEL HOLLOW METAL DOOR PAINTED WITH PRIVACY LOCK AND DEAD BOLT
003	3'-0" x 7'-0"	1	WD	POLY	1	WD	-	-	PRV	-	-	(2) 2x10 HEADER, (2) 2x4 JACK STUD	SOLID WOOD DOOR WITH PRIVACY LOCK
FIRST FLOOR													
100	ELEVATOR GATE	-	-	-	-	-	-	-	-	-	-	-	ACORN WIRE SCISSOR GATE SERIES 56: SINGLE FIXED SCISSOR GATE, WIDTH: 3' TO 4' x 6'-0", GATE HANDLE OR EQUAL, PROVIDE SHOP DRAWING
101	3'-0" x 7'-0"	-	-	-	-	-	-	-	CD/DS	-	-	(2) 2x10 HEADER, (2) 2x4 JACK STUD	ARMORTEX BULLET RESISTANT HOLLOW METAL DOOR W/ FRAME ASSEMBLY - SLIM LITE, LEVEL 3 BALLISTIC RESISTANT - MODEL: DR-HM-SL-DB
102	3'-0" x 7'-0"	1	WD	POLY	1	WD	P	1	CD/DS	-	-	(2) 2x10 HEADER, (2) 2x4 JACK STUD	-
103	3'-0" x 3'-8"	3	WD	POLY	1	WD	P	1	CD/DS	-	-	-	HALF DOOR WITH WOOD CAP
104	2'-0" x 7'-0"	1	WD	POLY	1	WD	P	1	DS	-	-	(2) 2x10 HEADER, (2) 2x4 JACK STUD	-
105	3'-0" x 7'-0"	2	WD	POLY	1	WD	P	1	PRV/DS	-	-	(2) 2x10 HEADER, (2) 2x4 JACK STUD	-
106	3'-0" x 7'-0"	1	WD	POLY	1	HM	P	2	CD/DS	-	-	(2) 2x10 HEADER, (2) 2x4 JACK STUD	-
107	3'-0" x 7'-0"	1	WD	POLY	1	HM	P	2	PRV/DS	-	-	(2) 2x10 HEADER, (2) 2x4 JACK STUD	-

AL	ALUMINUM	CLR	CLEAR ANODIZED	RES	RESCUE HARDWARE	PRV	PRIVACY LOCKET	DB	DEAD BOLT / KEYS
WD	WOOD	PM	PAINTED METAL	CL	CLASSROOM LOCKET	STL	STEEL	CD	CODE DOOR LOCK
ME	MATCH EXISTING	EX	EXISTING	PAS	PASSAGE LATCH	P	PAIN	DS	DOOR STOP
POLY	STAINED	HM	HOLLOW METAL	ST	STORE ROOM LOCKET	ENT	ENTRY DOOR LOCKSET		

- NOTE:
- ALL GLAZING FOR DOORS SHALL BE TEMPERED PLATE GLASS UNLESS NOTED OTHERWISE.
 - FIRE RATING TO BE APPLIED TO BOTH DOOR AND FRAME CONSTRUCTION.
 - GENERAL CONTRACTOR TO SUBMIT ALL DOOR FRAME & HARDWARE FOR ARCHITECT AND/OR OWNER FOR REVIEW AND APPROVAL.
 - DOOR MANUFACTURER TO BE DETERMINED BY OWNER.
 - DOOR OFFSET FROM WALL, FRAME STARTS AT 4" IF NOT DIMENSIONED.
 - PROVIDE 1" UNDERCUT AT BATHROOMS WITH EXHAUST VENTS.
 - PROVIDE DEADBOLT WITH ANY ENTRANCE FUNCTION LOCKS.

* NOTE: PROVIDE WATER RESISTANT SEALER ON ALL DOORS WHERE WATER WILL BE USED

7 OFFICE FRAMING ELEVATIONS
SCALE: 1/2" = 1'-0"



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NJ PROFESSIONAL PLANNER No. LI 05557

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CITY OF SALEM
CITY OF SALEM MUNICIPAL BUILDING
FIRST FLOOR FIT-OUT
125 WEST BROADWAY
SALEM, NEW JERSEY 08079
SALEM COUNTY, NEW JERSEY

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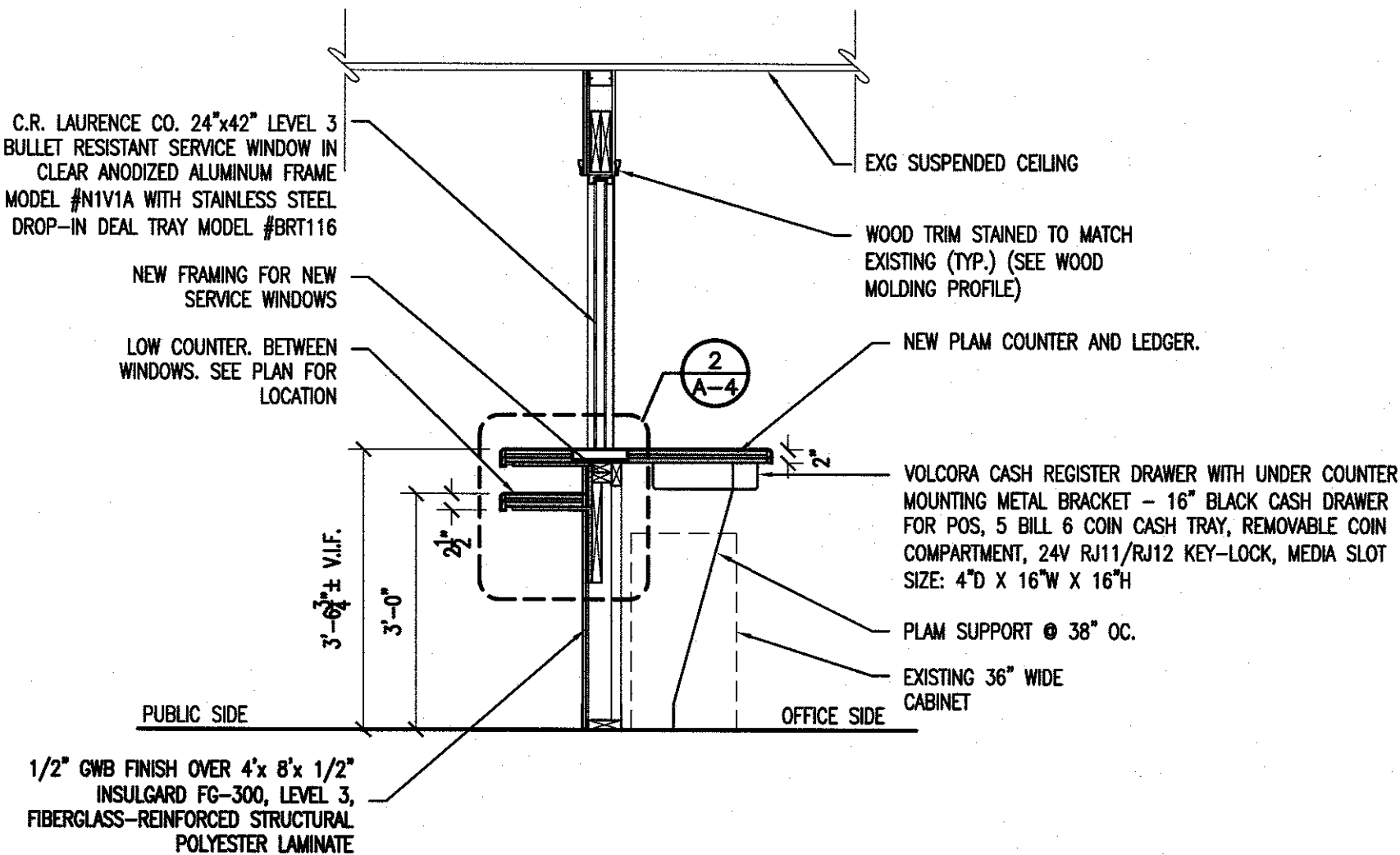
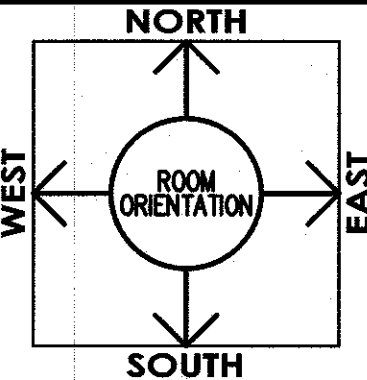
REVISIONS		
NO.	DESCRIPTION	DATE

DRAWING TITLE:
DOOR SCHEDULE AND DETAILS

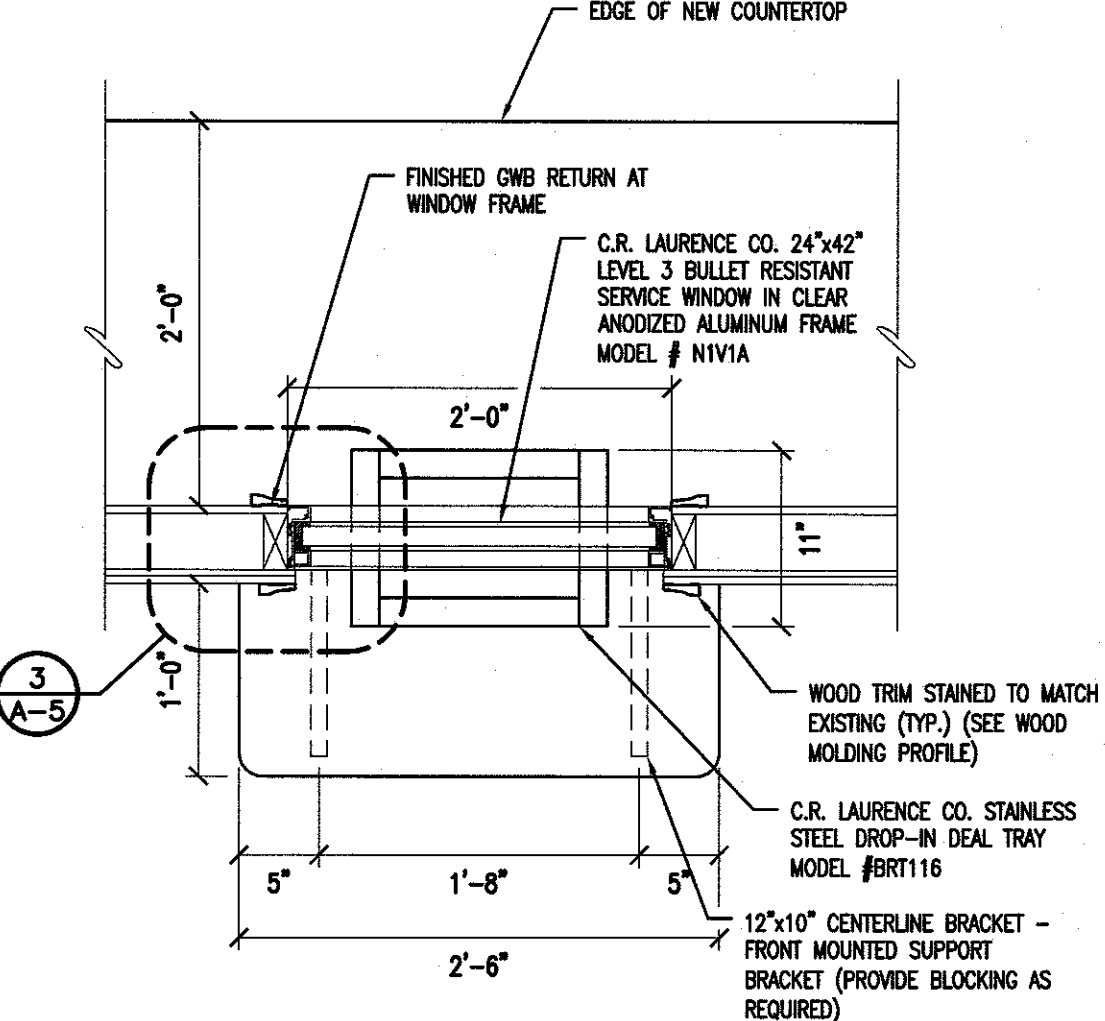
JOB NO: SC2023-01	DESIGNED BY: DM3
DATE: SEPTEMBER 26, 2023	DRAWN BY: DM3
SCALE: AS NOTED	CHECKED BY: SMB
DRAWING NUMBER:	

TABLE 2304.9.1 FASTENING SCHEDULE		
CONNECTION	FASTENING**	LOCATION
1. JOIST TO SILL OR GIRDER	3-8d COMMON (2-1/2" x 0.131") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES	TOENAIL
2. BRIDGING TO JOIST	2-8d COMMON (2-1/2" x 0.131") 2-3" x 0.131" NAILS 2-3" 14 GAGE STAPLES	TOENAIL EACH END
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST	2-8d COMMON (2-1/2" x 0.131")	FACE NAIL
4. WIDER THAN 1"x6" TO EACH JOIST	3-8d COMMON (2-1/2" x 0.131")	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON (3-1/2" x 0.162")	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16d (3-1/2" x 0.135") AT 16" O.C. 3" x 0.131" NAILS AT 8" O.C. 3" 14 GAGE STAPLES AT 12" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3-16d (3-1/2" x 0.135") AT 16" O.C. 4-3" x 0.131" NAILS AT 16" O.C. 4-3" 14 GAGE STAPLES AT 16" O.C.	BRACED WALL PANELS
7. TOP PLATE TO STUD	2-16d COMMON (3-1/2" x 0.162") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES	END NAIL
8. STUD TO SOLE PLATE	4-8d COMMON (2-1/2" x 0.131") 4-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES 2-16d (3-1/2" x 0.135") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES	TOENAIL END NAIL
9. DOUBLE STUDS	16d (3-1/2" x 0.135") AT 24" O.C. 3" x 0.131" NAILS AT 8" O.C. 3" 14 GAGE STAPLES @ 8" O.C.	FACE NAIL
10. DOUBLE TOP PLATES	16d (3-1/2" x 0.135") AT 16" O.C. 3" x 0.131" NAILS AT 12" O.C. 3" 14 GAGE STAPLES AT 12" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	8-16d (3-1/2" x 0.162") 12-3" x 0.131" 12-3" 14 GAGE STAPLES	LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-8d COMMON (2-1/2" x 0.131") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES	TOENAIL
12. RIM JOIST TO TOP PLATE	8d (2-1/2" x 0.131") AT 6" O.C. 3" x 0.131" NAILS AT 6" O.C. 3" 14 GAGE STAPLES @ 6" O.C.	TOENAIL
13. TOP PLATES, LAPS AND INTERSECTIONS	2-16d COMMON (3-1/2" x 0.162") 2-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3-1/2" x 0.162")	16" O.C. ALONG EDGE
15. CEILING JOISTS TO PLATE	3-8d COMMON (2-1/2" x 0.131") 5-3" x 0.131" NAILS 5-3" 14 GAGE STAPLES	TOENAIL
16. CONTINUOUS HEADER TO STUD	4-8d COMMON (2-1/2" x 0.131")	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	16d COMMON (3-1/2" x 0.162") MIN. TABLE 2308.10.4.1 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	16d COMMON (3-1/2" x 0.162") MIN. TABLE 2308.10.4.1 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES	FACE NAIL
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1)	3-8d COMMON (2-1/2" x 0.131") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES	TOENAIL
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2-8d COMMON (2-1/2" x 0.131") 2-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES	FACE NAIL
21. 1"x8" SHEATHING TO EACH BEARING	3-8d COMMON (2-1/2" x 0.131")	FACE NAIL
22. WIDER THAN 1"x8" TO EACH BEARING	3-8d COMMON (2-1/2" x 0.131")	FACE NAIL
23. BUILT-UP CORNER STUDS	16d COMMON (3-1/2" x 0.162") 3" x 0.131" NAILS 3" 14 GAGE STAPLES	24" O.C. 16" O.C. 16" O.C.
24. BUILT-UP GIRDER AND BEAMS	20d (4" x 0.192") AT 32" O.C. 3" x 0.131" NAILS AT 24" O.C. 3" 14 GAGE STAPLES AT 24" O.C. 2-20d (4" x 0.192") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON (3-1/2" x 0.162")	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3-10d COMMON (3" x 0.148") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES	FACE NAIL
27. JACK RAFTER TO HIP	3-10d COMMON (3" x 0.148") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES	TOENAIL
28. ROOF RAFTER TO 2-BY RIDGE BEAM	2-16d (3-1/2" x 0.162") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES 2-16d (3-1/2" x 0.162") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES	TOENAIL FACE NAIL
29. JOIST TO BAND JOIST	3-16d COMMON (3-1/2" x 0.162") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES	FACE NAIL
30. LEDGER STRIP	3-16d COMMON (3-1/2" x 0.162") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES	FACE NAIL AT EACH JOIST
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" AND LESS 6d 2-3/8" x 0.113" NAIL 1-3/4" 16 GAGE 19/32" TO 3/4" 6d OR 6d 2-3/8" x 0.113" NAIL 2" 16 GAGE 7/8" TO 1" 8d 1-1/8" TO 1-1/4" 10d OR 8d 3/4" AND LESS 6d 7/8" TO 1" 8d 1-1/8" TO 1-1/4" 10d OR 8d	
SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)		
32. PANEL SIDING (TO FRAMING)	1/2" OR LESS 5/8" 6d	
33. FIBERBOARD SHEATHING	1/2" NO. 11 GAGE ROOFING NAIL 6d COMMON NAIL (2" x 0.113") NO. 16 GAGE STAPLE 25/32" NO. 11 GAGE ROOFING NAIL 6d COMMON NAIL (2" x 0.113") NO. 16 GAGE STAPLE	
34. INTERIOR PANELING	1/4" 4d 3/8" 6d	

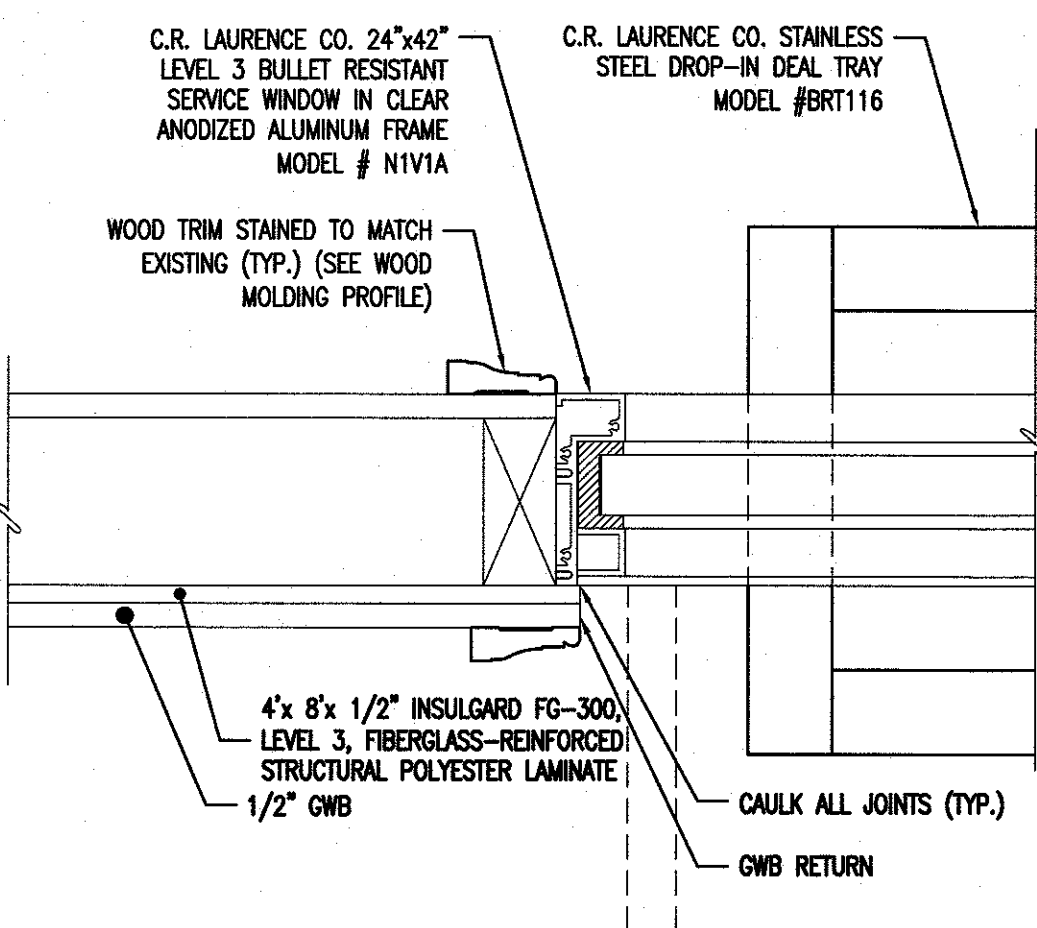
ROOM FINISH SCHEDULE													
ROOM #	ROOM NAME	FLOOR	COVE BASE				WALLS				CEILING	CEILING HEIGHT	REMARKS
			NORTH	EAST	SOUTH	WEST	NORTH	EAST	SOUTH	WEST			
BASEMENT													
-	STORAGE CAGE	EXIST. CONC.	-	-	-	-	-	-	-	-	OPEN CEILING	-	WOOD STUDS AND WIRE MESH
-	STORAGE ROOM	EXIST. VCT	EXIST.	BASE	EXIST.	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST. ACT	-	
-	RECORDS ROOM	EXIST. VCT	EXIST.	EXIST.	EXIST.	BASE	EXIST.	EXIST.	EXIST.	PAINT	EXIST. ACT	-	
FIRST FLOOR													
-	CORRIDOR	EX. CARPET	BASE.	EXIST.	EXIST.	BASE	PAINT	EXIST.	EXIST.	PAINT	EXIST. ACT	8'-6"±	
-	WAITING ROOM	EX. CARPET	BASE	EXIST.	EXIST.	BASE	PAINT	EXIST.	EXIST.	PAINT	EXIST. ACT	8'-6"±	
-	TAX OFFICE	EX. CARPET	EXIST.	EXIST.	BASE	BASE	EXIST.	EXIST.	PAINT	PAINT	EXIST. ACT	8'-6"±	
-	FLEX SPACE	EX. CARPET	EXIST.	BASE	BASE	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST. ACT	8'-6"±	
-	CLOSET	EX. CARPET	EXIST.	EXIST.	BASE	BASE	EXIST.	EXIST.	PAINT	PAINT	EXIST. ACT	8'-6"±	
-	OFFICE	EX. CARPET	EXIST.	BASE	BASE	EXIST.	EXIST.	PAINT	PAINT	PAINT	EXIST. ACT	8'-6"±	
-	COURT CLERK	EX. CARPET	BASE	BASE	EXIST.	EXIST.	PAINT	PAINT	EXIST.	EXIST.	EXIST. ACT	8'-6"±	
NOTES: CARPET TO REMAIN, CONTRACTOR TO REPLACE ANY DAMAGED CARPET DUE TO CONSTRUCTION. COVE BASE TO REMAIN, CONTRACTOR TO REPLACE ANY DAMAGED COVE BASE DUE TO CONSTRUCTION. CEILING TILES AND GRID TO REMAIN, CONTRACTOR TO REPLACE ANY DAMAGED CEILING TILES AND GRID DUE TO CONSTRUCTION. EXISTING WALLS TO REMAIN, PAINT NEW WALLS TO MATCH EXISTING WALL COLOR. NEW WALLS TO RECEIVE NEW COVE BASE TO MATCH EXISTING COVE BASE.													



1 DETAIL - SERVICE WINDOW
SCALE: 1/2" = 1'-0"



2 PLAN - TRANSACTION TRAY
SCALE: 1/2" = 1'-0"



3 PLAN - TRANSACTION TRAY
SCALE: 3" = 1'-0"



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REVISIONS		
NO.	DESCRIPTION	DATE

DRAWING TITLE:
ROOM AND FASTENING SCHEDULES AND DETAILS

JOB NO: SC2023-01	DESIGNED BY: DM3
DATE: SEPTEMBER 26, 2023	DRAWN BY: DM3
SCALE: AS NOTED	CHECKED BY: SMB
DRAWING NUMBER:	

ELECTRICAL SYMBOLS SCHEDULE

THIS IS A COMPLETE LIST OF ELECTRICAL SYMBOLS FOR REFERENCE ONLY. SYMBOLS SHOWN HERE MAY OR MAY NOT BE USED ON THIS PROJECT.

GENERAL SYMBOLS

- KEY NOTE INDICATOR
- EQUIPMENT INDICATOR
- SCHEDULED ITEM INDICATOR
- DRAWING REVISION INDICATOR

CONDUIT AND WIRING

- BRANCH CIRCUIT RUN CONCEALED
- BRANCH CIRCUIT RUN UNDER FLOOR
- BRANCH CIRCUIT UP OR DOWN
- HOME RUN TO PANEL 2A CKTS 1, 3, & 5
- EMERGENCY ONLY BRANCH CIRCUIT
- NIGHT LIGHT BRANCH CIRCUIT
- LOW VOLTAGE CIRCUIT
- SURFACE METAL RACEWAY SIZED FOR NO. OF CONDUCTORS TO BE INSTALLED
- CABLE TRAY
- INDICATES CONNECTION TO EXISTING
- PLUGMOLD - SEE PLAN FOR LENGTH

SOUND SYSTEM

- SPEAKER - CEILING MTD FLUSH
- SPEAKER - CEILING MTD SURFACE

AUTOMATIC DOOR

- MOTION DETECTOR H-HEAD MTD C-CEILING MTD
- PUSH PLATE
- KEY SWITCH
- POWER RESET
- DOOR MOUNTED SAFETY INTERLOCK
- ELECTRIC STRIKE
- PUSH BUTTON

SECURITY SYSTEM

- CARD ACCESS STATION
- DOOR ALARM SWITCH W/ ELEC HINGE
- SECURITY CHIME
- KEY BY-PASS SW. FOR DOOR POSITION SW.
- SECURITY SYSTEM MOTION DETECTOR
- SECURITY TV CAMERA
- SECURITY SYSTEM CONSOLE
- ELECTROMAGNETIC LOCK
- REMOTE RELEASE
- ELECTRIC HINGE
- ELECTRIC STRIKE
- KEY SWITCH

POWER DISTRIB.

- SURFACE MTD PANELBOARD
- FLUSH MTD PANELBOARD
- 277/480V PANEL
- 120/208V PANEL
- MOTOR CONNECTION
- DISCONNECT SWITCH
- MAGNETIC STARTER
- COMBINATION STARTER/DISCONNECT
- POWER COMPANY METER
- C. T. CABINET
- JUNCTION BOX - CEILING MOUNTED
- JUNCTION BOX - FLOOR MOUNTED

POWER SYSTEMS

- TRANSFORMER
- AUTOMATIC TRANSFER SWITCH
- EMERGENCY GENERATOR
- POWER DISTRIBUTION UNIT
- UNINTERRUPTABLE POWER SOURCE
- TRANSIENT VOLTAGE SURGE SUPPRESSOR
- AUTOMATIC TEMPERATURE CONTROL

GROUNDING AND LIGHTNING PROTECTION

- GROUND CONDUCTOR RUN CONCEALED
- GROUND CONDUCTOR RUN UNDER FLOOR
- THERMITE WELD TO BLDG OR EQUIP
- THERMITE WELD OF GROUND CONDUCTORS
- BONDING PLATE OR CLAMP CONNECTION TO PIPING OR EQUIP
- CONNECTION TO AIR TERMINAL FOR LIGHTNING PROTECTION
- THERMITE WELD TO GROUND ROD
- GROUND ROD TRIODE

LIGHTING

- FIXTURE DESIG.-"A" FIXTURE TYPE "a" SWITCH NO. "2A-2" PANEL 2A CKT no.2
- 2X4 FIXTURE
- 2X2 FIXTURE
- 1X4 FIXTURE
- FLUORESCENT STRIPLIGHT
- PENDANT TUBE FIXTURE
- RECESSED DOWNLIGHT
- WALL WASHER
- WALL MTD FIXTURE
- POLE MTD FIXTURE
- CEILING MTD EXIT SIGN W/ ARROWS AS INDICATED
- WALL MTD EXIT SIGN W/ ARROWS AS INDICATED
- LIGHTING TRACK - LENGTH OF TRACK AND NO. OF FIXTURES AS INDICATED ON PLAN.
- INDICATES NIGHT LIGHT
- EMERGENCY BATTERY PACK W/ NUMBER OF HEADS AS INDICATED.
- EMERGENCY LIGHTING REMOTE HEADS
- EMERGENCY BATTERY PACK

COMMUNICATIONS

- TELEPHONE OUTLET
- WALL MTD TELE OUTLET
- DATA OUTLET
- COMBINATION TELE/DATA OUTLET
- COMBINATION TELE/DATA OUTLET AT MOVABLE PARTITION
- TELE/DATA OUTLET FLUSH FLOOR MOUNTED
- COMBINATION POWER & TELE/DATA OUTLET FLUSH FLOOR MOUNTED
- TELE/DATA CONDUIT STUB-UP
- EMERGENCY PHONE LINE CONCENTRATOR
- EMERGENCY PHONE
- LOBBY PHONE

FIRE ALARM SYSTEM

- MANUAL PULL STATION
- HORN (LOW FREQUENCY) AND FLASHING LIGHT
- HORN AND FLASHING LIGHT
- CHIME AND FLASHING LIGHT
- FIRE ALARM BELL
- FLASHING LIGHT
- FIRE ALARM SPEAKER - CEILING MTD
- FIRE ALARM SPEAKER - WALL MTD
- COMBINATION SPEAKER/FLASHING LIGHT
- IONIZATION TYPE SMOKE DETECTOR
- PHOTOELECTRIC TYPE SMOKE DETECTOR
- THERMAL TYPE DETECTOR
- IONIZATION TYPE MTD TO DUCT
- IONIZATION TYPE MTD IN PLENUM
- THERMAL TYPE MTD TO DUCT
- REMOTE TEST SWITCH
- PHOTOELECTRIC TYPE W/ RELAY
- FLOW SWITCH
- TAMPER SWITCH
- PRESSURE SWITCH FOR DRY TYPE SYSTEM
- REMOTE TROUBLE BELL
- ELECTROMAGNETIC SHUTTER HOLDER
- ELECTROMAGNETIC DOOR HOLDER
- FIRE ALARM SYSTEM ACTIVATED DOOR CLOSER
- FIREMANS TELEPHONE JACK
- CONTROL ZAM
- MONITOR ZAM
- FIRE ALARM CONTROL PANEL
- FIRE ALARM COMMAND CENTER
- FIRE ALARM ANNUNCIATOR
- FIRE ALARM PUNCH TAPE RECORDER
- FIRE ALARM DATA GATHERING PANEL
- FIRE SUPPRESSION CONTROL PANEL
- FIRE, SMOKE OR FIRE/SMOKE DAMPER
- SMOKE DETECTOR
- CARBON MONOXIDE
- ADDRESSABLE RELAY MODULE

ELECTRICAL DEVICES

- SINGLE-POLE DOUBLE-POLE 3-WAY AND 4-WAY SWITCHES
- SINGLE POLE SWITCH - WEATHERPROOF
- DUAL LEVEL SWITCHING INSIDE/OUTSIDE LAMP CONTROL
- KEY-LOCK SWITCH
- LIGHTED-HANDLE SWITCH
- CENTER-OFF DOUBLE-POLE SWITCH
- EXPLOSION-PROOF SWITCH
- LOCAL WALL DIMMER SWITCH
- LOW-VOLTAGE SWITCH
- MANUAL TOGGLE SWITCH WITH THERMAL OVERLOAD
- EMERGENCY POWER-OFF SWITCH
- TIMECLOCK
- PHOTOCELL
- RELAY W/ NUMBER AND TYPE OF POLES AS INDICATED
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- DUPLEX SPLIT WIRED WITH BOTTOM OUTLET ON WALL SWITCH
- SAFETY TYPE DUPLEX RECEPTACLE
- ISOLATED GROUND TYPE DUPLEX RECEPTACLE
- ISOLATED GROUND TYPE WITH SURGE SUPPRESSION
- DUPLEX FOR ELECTRIC WATER COOLER COORDINATE LOCATION WITH SUPPLIER
- GFI DUPLEX RECEPTACLE
- RECEPTACLE WITH WEATHERPROOF COVER
- EXPLOSION-PROOF RECEPTACLE
- FLUSH-FLOOR MTD RECEPTACLE
- PEDESTAL-FLOOR MTD RECEPTACLE
- PEDESTAL-COUNTER MTD RECEPTACLE
- CEILING MTD RECEPTACLE
- CLOCK RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE - SIZE & TYPE AS INDICATED OR SCHEDULED
- DROP CORD
- POWER FEED AT MOVABLE PARTITION
- INDICATES OUTLET TO BE MOUNTED 8" ABOVE COUNTER HEIGHT. TYPICAL UNLESS NOTED OTHERWISE.
- OCCUPANCY SENSOR
- OCCUPANCY SENSOR-CEILING MOUNTED

TELEVISION / VIDEO SYSTEM

- TELEVISION OUTLET
- TELEVISION OUTLET W/ RECEPTACLE
- TV CAMERA OUTLET W/ RECEPTACLE

ELECTRICAL ABBREVIATIONS

THIS LIST OF ABBREVIATIONS IS PROVIDED FOR CONVENIENCE ONLY. ITEMS LISTED HERE MAY OR MAY NOT BE USED ON THIS PROJECT.

1/C	SINGLE CONDUCTOR	INCL INST INSUL	INCLUDE INSTANTANEOUS INSULATION
A/C	AIR CONDITIONER	JB	JUNCTION BOX
A	ABOVE	JC	JANITOR'S CLOSET
AC	ALTERNATING CURRENT	JT	JOINT
AF	ABOVE FINISHED FLOOR	KVA	KILOVOLT AMPERE
AFG	ABOVE FINISHED GRADE	KW	KILOWATT
AHU	AIR HANDLING UNIT		
ATS	AUTOMATIC TRANSFER SWITCH	LTG	LIGHTING
ALT	ALTERNATE	LV	LOW VOLTAGE
ARCH	ARCHITECTURAL	LVR	LOUVER
AUTO	AUTOMATIC		
AVG	AVERAGE		
		MAX MC	MAXIMUM MECHANICAL CONTRACTOR
BKR	BREAKER	MCB	MAIN CIRCUIT BREAKER
BLDG	BUILDING	MCC	MOTOR CONTROL CENTER
BLW	BELOW	MECH	MECHANICAL
BTM	BOTTOM	MFR	MANUFACTURER
		MH	MANHOLE
C	CONDUIT	MIN	MINIMUM
CT	CURRENT TRANSFORMER	MISC	MISCELLANEOUS
CAP	CAPACITY	MLO	MAIN LUGS ONLY
CFM	CUBIC FEET/MINUTE	MTD	MOUNTED
CIRC	CIRCULATING	MTG	MOUNTING
CKT	CIRCUIT		
CLG	CEILING	NIC	NOT IN CONTRACT
CONC	CONCRETE	NO	NUMBER
CONN	CONNECTION	NTS	NOT TO SCALE
CONST	CONSTRUCTION		
CONT	CONTINUOUS		
CONTR	CONTRACTOR	OC	ON CENTER
CPU	CENTRAL PROCESSING UNIT	OH	OVERHEAD
CU	COPPER	OPNG	OPENING
DED	DEDICATED	PC	PLUMBING CONTRACTOR
DET	DETACHMENT	PEND	PENDANT
DIAM	DIAMETER	PLBG	PLUMBING
DIM	DIMENSION	PNL	PANEL
DISC	DISCONNECT	PRESS SW	PRESSURE SWITCH
DIV	DIVISION	PS	POTENTIAL
DN	DOWN	PT	POTENTIAL TRANSFORMER
DPR	DAMPER		
DWG	DRAWING		
		REC	RECESSED
EA	EACH	REC'S	RECEPTACLES
EC	ELECTRICAL CONTRACTOR	RECEPT	RECEPTACLE
ELEC	ELECTRICAL	REQD	REQUIRED
ELEV	ELEVATOR	RM	ROOM
EM	EMERGENCY ONLY		
EM GEN	EMERGENCY GENERATOR	SECT	SECTION
ENCL	ENCLOSURE	SIM	SIMILAR
EQUIP	EQUIPMENT	SQ FT	SQUARE FEET
EW	ELECTRIC WATER COOLER	STD	STANDARD
EXIST	EXISTING	STL	STEEL
EXT	EXTERIOR	STOR	STORAGE
		STRUCT	STRUCTURAL
		SURF	SURFACE
		SUSP	SUSPENDED
		CLG	CEILING
		SW	SWITCH
F & I	FURNISHED & INSTALLED		
FACP	FIRE ALARM CONTROL PANEL	TELE	TELEPHONE
FBO	FURNISHED BY OTHERS	TEMP	TEMPERATURE
FP	FIRE PROTECTION	TERM	TERMINAL
FPC	FIRE PROTECTION CONTRACTOR	T-STAT	THERMOSTAT
FIN	FINISH	TV	TELEVISION
FIXT	FIXTURE	TYP	TYPICAL
FLR	FLOOR		
FLUOR	FLUORESCENT		
FU	FUSE		
		UG	UNDERGROUND
GA	GAUGE	UH	UNIT HEATER
GC	GENERAL CONTRACTOR	UV	UNIT VENTILATOR
GFI	GROUND FAULT INTERRUPTER		
GRD	GROUND	VD	VISUAL DISPLAY
		VERT	VERTICAL
		VOL	VOLUME
HORIZ	HORIZONTAL		
HP	HORSEPOWER		
HT	HEIGHT		
HTG	HEATING	W/	WITH
HV	HIGH VOLTAGE	WP	WEATHERPROOF
HW	HOT WATER	WT	WEIGHT
HZ	HERTZ	XFMR	TRANSFORMER

MOUNTING HEIGHTS ELEVATION

6" ABOVE FIRE HOSE CABINET	RED SIGNAL LIGHT
10'-0"	BATTERY LIGHTING UNITS & REMOTE WALL MOUNTED LIGHT HEADS (OR 1'-0" BELOW FINISHED CEILING TO TOP OF UNIT)
8'-6"	PENDANT HUNG & INDUSTRIAL STRIP FIXTURES
CENTERED ABV. WINDOW OR DOOR OPENING	WARNING & SIGNALING FIXTURES.
6'-8"	OR 6" BELOW FINISHED CEILING, WHICHEVER IS LOWER, FIRE ALARM SIGNAL DEVICES & ILLUMINATED FIRE SIGNALS.
6'-6"	TOP OF FLUSH & SURFACE MOUNTED ELECTRICAL LIGHTING OR POWER PANELBOARDS & TELEPHONE CABINETS.
6'-3"	TOP OF BACK-MOUNTED WALL EXIT FIXTURES. (NOT MOUNTED ABV. DOORS)
6'-0"	TOP OF HIGHEST ELECTRICAL SAFETY DISCONNECT SWITCHES, MAGNETIC STARTERS, & CONTACTORS.
4'-6"	WALL MOUNTED INTERCOM, NURSE CALL STATIONS, CLOCK CONTROL PANEL, WALL MOUNTED TELEPHONE & PAY STATIONS. (3'-6" AT HANDICAP LOCATIONS-VERIFY EXACT HEIGHT PRIOR TO ROUGH-IN)
4'-0"	WALL MOUNTED WIREMOLD, LIGHTING SWITCHES, MANUAL MOTOR STARTERS, THERMOSTATS, FIRE ALARM PULL STATIONS & G.F.I. RECEPTACLES IN TOILET ROOMS OR FOR SEPARATE SINKS NOT IN CASEWORK.
3'-6"	MANUAL FIRE ALARMS
2'-0"	ELECTRICAL RECEPTACLES WITHIN MECHANICAL SPACES, ELECTRICAL & ELEVATOR ROOMS.
18"	ELECTRICAL RECEPTACLES, TELEPHONE OUTLETS, COMPUTER OUTLETS, INTERCOM OUTLETS FOR DESKS

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ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

PROJECT:

COUNTY OF SALEM
CITY OF SALEM MUNICIPAL BUILDING
FIRST FLOOR FIT-OUT
125 WEST BROADWAY
SALEM, NEW JERSEY 08079
SALEM COUNTY, NEW JERSEY

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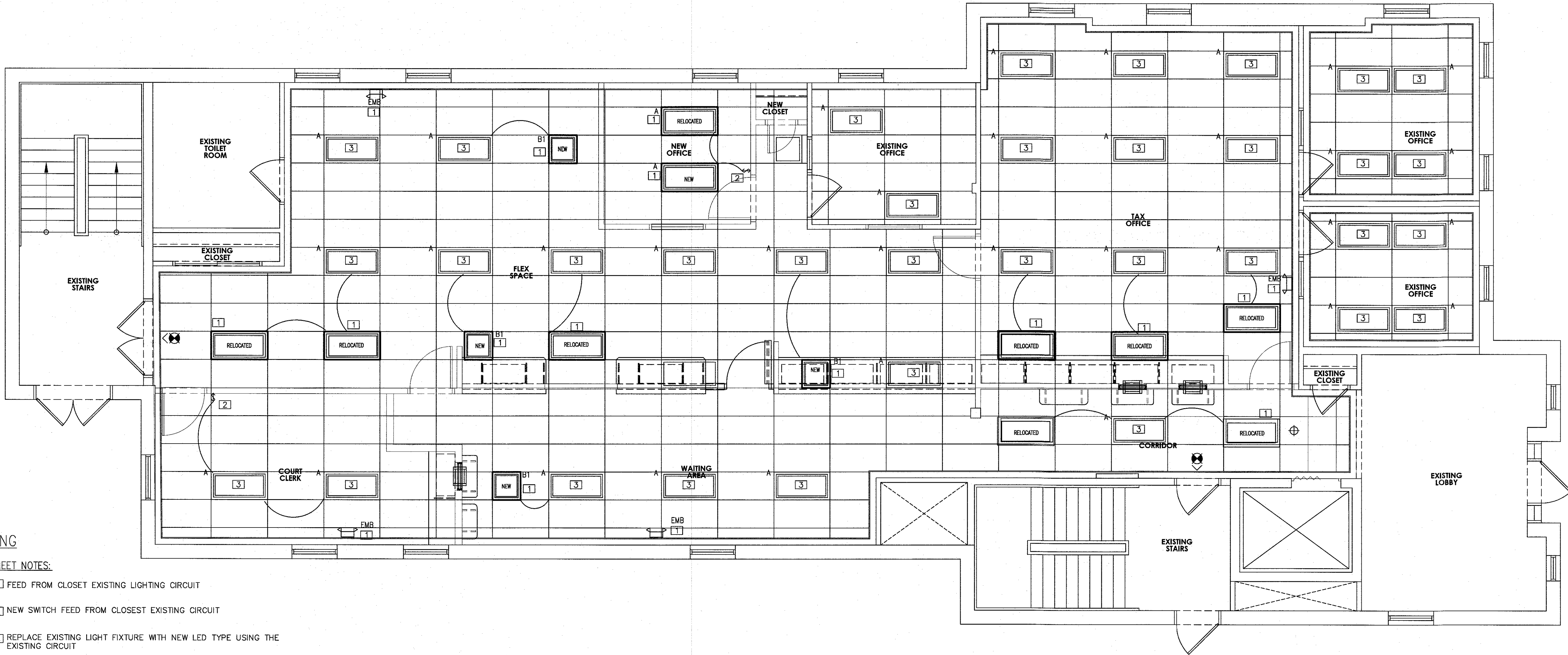
NO.	DESCRIPTION	DATE

DRAWING TITLE:

ELECTRICAL COVER SHEET

JOB NO: SC2023-01	DESIGNED BY: DM3
DATE: SEPTEMBER 26, 2023	DRAWN BY: DM3
SCALE: AS NOTED	CHECKED BY: SMB
DRAWING NUMBER:	

EC1



LIGHTING

SHEET NOTES:

- 1 FEED FROM CLOSET EXISTING LIGHTING CIRCUIT
- 2 NEW SWITCH FEED FROM CLOSET EXISTING CIRCUIT
- 3 REPLACE EXISTING LIGHT FIXTURE WITH NEW LED TYPE USING THE EXISTING CIRCUIT

GENERAL REQUIREMENTS FOR ELECTRICAL WORK

1. CONTRACTOR SHALL PROVIDE LABOR, MATERIAL, EQUIPMENT AND SERVICES FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL WORK AS INDICATED ON THE DRAWINGS AND AS SPECIFIED.
2. LABOR, MATERIAL, EQUIPMENT AND SERVICE OBVIOUSLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF ELECTRICAL SYSTEMS, ALTHOUGH NOT SPECIFICALLY MENTIONED OR SHOWN, SHALL BE PROVIDED.
3. ELECTRICAL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE NATIONAL ELECTRIC CODE AND APPLICABLE LAWS, CODES AND REGULATIONS OF MUNICIPAL, COUNTY, STATE, FEDERAL AUTHORITIES, UTILITY COMPANIES, INSURANCE AGENCIES AND OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- CONTRACTOR AND ALL EMPLOYEES SHALL FAMILIARIZE THEMSELVES WITH STATE, LOCAL AND FEDERAL CONSTRUCTION SAFETY GUIDELINES PRIOR TO THE COMMENCEMENT OF WORK.
- CONTRACTOR AND ALL EMPLOYEES SHALL FAMILIARIZE THEMSELVES WITH TENANT AND LANDLORD'S SAFETY, CONSTRUCTION AND PROCEDURAL GUIDELINES AND REGULATIONS PRIOR TO THE COMMENCEMENT OF WORK.
4. OBTAIN, PAY FOR AND DELIVER PERMITS AND CERTIFICATES OF INSPECTION AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION. DELIVER CERTIFICATES TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE WORK. AN ELECTRICAL INSPECTION CERTIFICATE, FOR EACH CLASS OF WORK REQUIRING INSPECTION, MUST BE SUBMITTED PRIOR TO OR WITH THE FINAL PAYMENT INVOICE. CONTRACTOR MUST MAKE APPLICATION FOR THE INSPECTION, COORDINATE SAME, AND PAY THE REQUIRED INSPECTION FEE.
5. BEFORE SUBMITTING HIS BID, TRADE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD. FAILURE TO DO SO SHALL NOT RELIEVE TRADE CONTRACTOR OF HIS OBLIGATION TO PAY FOR COSTS THAT MAY BE INCURRED DUE TO CONDITIONS THAT MAY AFFECT THE COST OF INSTALLING HIS WORK.
6. DRAWINGS ARE DIAGRAMMATIC, SMALL SCALE AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. HOWEVER, CERTAIN RACEWAYS, BENDS, FITTINGS, BOXES, SYSTEM COMPONENTS, APPURTENANCES AND RELATED SPECIALTIES ARE NOT SHOWN, BUT SHALL BE PROVIDED TO INSURE A COMPLETE INSTALLATION.
7. CONSULT THE DRAWINGS FOR EXACT LOCATION OF FIXTURES AND EQUIPMENT. WHERE SAME ARE NOT DEFINITELY LOCATED, OBTAIN THIS INFORMATION FROM THE ARCHITECT/ENGINEER.
8. INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED OR SHOWN, SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK, THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN REVIEW.
9. NO CONSIDERATION OR ALLOWANCE SHALL BE GRANTED FOR ALLEGED MISUNDERSTANDING OF MATERIALS AND EQUIPMENT TO BE FURNISHED FOR WORK TO BE ACCOMPLISHED.

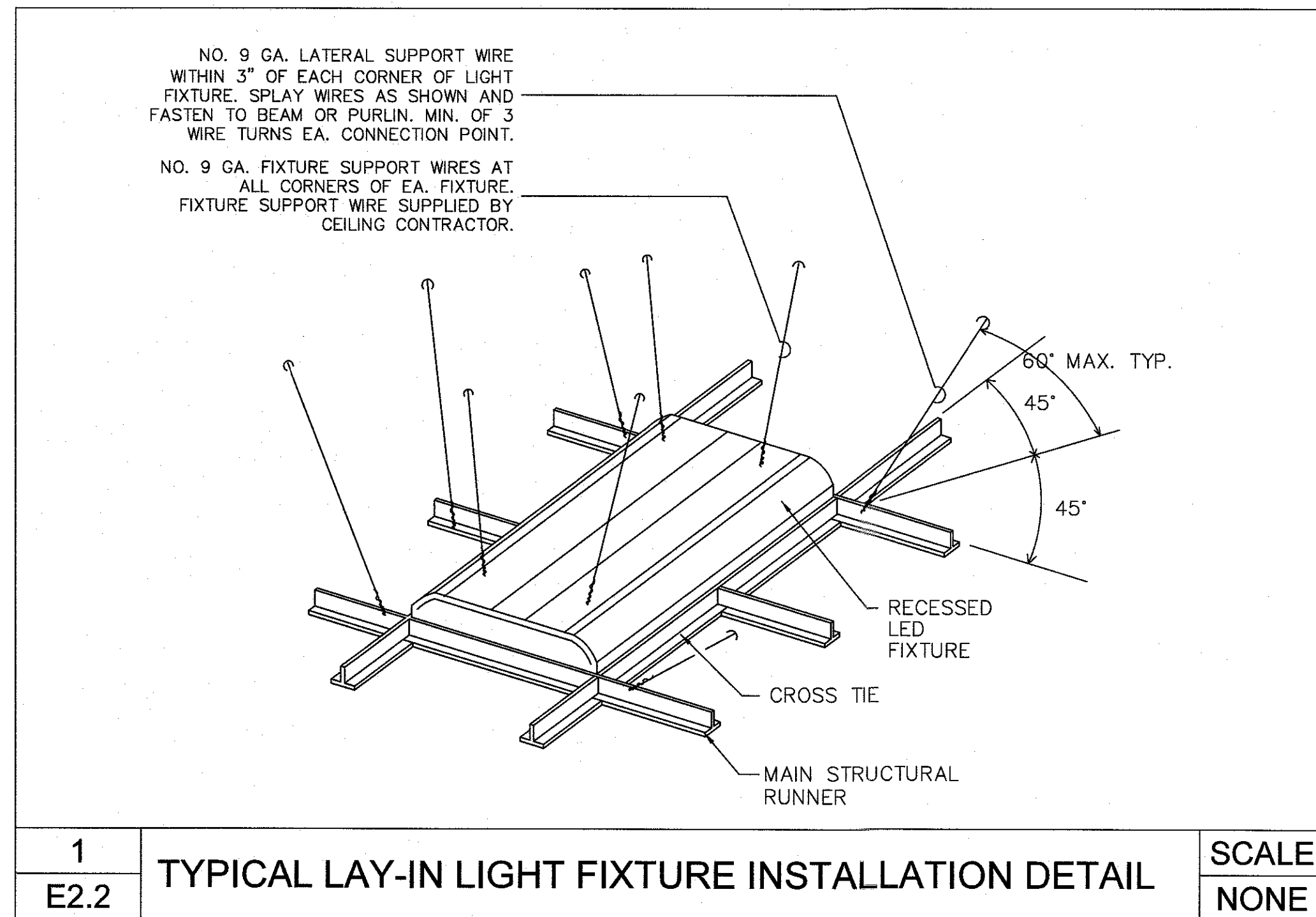
10. WORK FURNISHED UNDER THE CONTRACT SHALL BE WARRANTED AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR, OR AS OTHERWISE SPECIFIED, FROM THE DATE OF FINAL ACCEPTANCE.
11. MATERIAL AND EQUIPMENT IN THE WORK SHALL BE NEW, FIRST GRADE, FIRST CLASS, THE BEST OF THEIR RESPECTIVE KINDS, APPROPRIATE FOR THE APPLICATION AND ENVIRONMENT.
12. EQUIPMENT OR APPARATUS FOR ANY ONE SYSTEM SHALL BE THE PRODUCT OF ONE MANUFACTURER. THE TERM "MANUFACTURER" SHALL BE UNDERSTOOD AS APPLYING TO A COMPANY OF ESTABLISHED REPUTATION IN THE MANUFACTURE OF A PARTICULAR PIECE OF EQUIPMENT OR APPARATUS FROM PRODUCTS OF HIS OWN MAKE OR OTHERS, AND WHO ASSUMES FULL RESPONSIBILITY FOR PRODUCTS USED IN SUCH EQUIPMENT OR APPARATUS. THE MANUFACTURER MUST SUBMIT EVIDENCE OF FIVE (5) YEARS OR MORE MANUFACTURING EXPERIENCE IN THE PRODUCTION OF THESE PRODUCTS.
13. MATERIAL OR EQUIPMENT SPECIFIED BY MANUFACTURER, BRAND NAME, TYPE, OR CATALOG NUMBER ARE DESIGNED TO ESTABLISH STANDARDS OF DESIRED QUALITY, STYLE, PERFORMANCE, ELECTRICAL, MECHANICAL AND PHYSICAL CHARACTERISTICS, AND DIMENSIONS.
14. WHERE CABLE PASSES THROUGH FIRE RATED STRUCTURES PROVIDE FIREPROOF FITTINGS.
15. RACEWAYS SHALL BE CONCEALED IN THE CONSTRUCTION EXCEPT AS OTHERWISE SPECIFIED OR SHOWN.
16. WHERE CONDUIT TERMINATES IN A CABINET, BOX OR AUXILIARY GUTTER, THE CONDUCTORS SHALL BE PROTECTED BY AN INSULATING BUSHING. LOCKNUTS SHALL BE PROVIDED BOTH INSIDE AND OUTSIDE THE ENCLOSURE.
17. A PULL WIRE SHALL BE INSTALLED IN EMPTY RACEWAYS. PULL WIRE SHALL BE 200 POUND TEST NYLON. BOTH ENDS SHALL BE IDENTIFIED BY MEANS OF LABELS OR TAGS, READING "PULL WIRE" AND GIVING THE ORIGIN AND TERMINATION POINTS.
18. GENERALLY, WIRING (OTHER THAN EMERGENCY) SHALL BE DONE WITH INSULATED COPPER CONDUCTORS IN CONTINUOUSLY GROUNDED METAL CONDUIT (EMT). CONDUCTORS AND RACEWAYS SHALL BE FIRST GRADE, INSTALLED CONCEALED IN THE CONSTRUCTION EXCEPT IN MECHANICAL OR ELECTRICAL SPACES, OPEN CONSTRUCTION AREAS OR WHERE SHOWN ON THE DRAWINGS.
- EMERGENCY WIRING SHALL BE DONE WITH INSULATED COPPER CONDUCTORS IN CONTINUOUSLY GROUNDED METAL CONDUIT (EMT), SEPARATE FROM ALL OTHER WIRING AND RACEWAYS. CONDUCTORS AND RACEWAYS SHALL BE FIRST GRADE, INSTALLED CONCEALED IN THE CONSTRUCTION EXCEPT IN MECHANICAL OR ELECTRICAL SPACES, OPEN CONSTRUCTION AREAS OR WHERE SHOWN ON THE DRAWINGS.
19. MC CABLEING MAY BE USED FOR CONCEALED BRANCH CIRCUIT WIRING ABOVE SUSPENDED CEILING AND INSIDE INTERIOR HOLLOW WALLS AND PARTITIONS. ALL HOME RUNS SHALL BE INSTALLED IN METAL CONDUIT (EMT) FROM CIRCUIT BREAKER PANELS TO EACH AREA.

1 ELECTRICAL LIGHTING PLAN

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

20. RACEWAYS SHALL BE SUPPORTED TO COMPLY WITH NEC.
21. WHERE TELE/DATA OUTLETS ARE SHOWN, PROVIDE A SINGLE GANG BOX WITH BLANK PLATE AND CONDUIT (1" DIA. MINIMUM) WITH PULL STRING UP TO CEILING SPACE ABOVE. SEE TELE/DATA NOTES.
22. NO "THROUGH-WALL" BOXES SHALL BE PERMITTED. WHERE DRAWINGS INDICATE BOXES BACK-TO-BACK, OR SIMILAR LOCATIONS, SUCH BOXES SHALL BE INSTALLED SEPARATELY, SPACED MINIMUM SIX INCHES APART HORIZONTALLY.
23. FOR CONDUITS OR CABLES THAT PENETRATE FIRE RATED WALLS, FLOORS, PARTITIONS, OR SLABS, FILL AND SEAL SPACES BETWEEN THE CONDUITS OR CABLES AND THE SLEEVE WITH 2-PART INTUMESCENT FOAM SEALANT CREATING A FIRE STOP EQUAL TO OR EXCEEDING FIRE RATING OF CONSTRUCTION MATERIAL BEING PENETRATED. FIRE SEALANT SHALL PREVENT SPREAD OF FLAME, SMOKE, AIR AND WATER THROUGH THE SLEEVE AND SHALL PASS 3 HOUR TEST PER ASTM E814 AND UL 1479. FIRE SEALANT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
24. ALL CONDUITS AND FLEXIBLE METAL CONDUIT SHALL CONTAIN A GROUNDING CONDUCTOR. CONDUITS ARE NOT TO BE USED AS A GROUNDING CONDUCTOR.
25. ALL BRANCH CIRCUIT WIRING SUPPLYING NEW RECEPTACLES AND LIGHTING BEING INSTALLED SHALL BE #12 COPPER CONDUCTORS MINIMUM.
26. ALL NEW DEVICES AND RACEWAYS SHALL BE SPECIFICATION GRADE. NEW RECEPTACLE, SWITCH AND OTHER DEVICES AND COVER PLATES COLORS SHALL BE DETERMINED BY ARCHITECT. EMERGENCY RECEPTACLES SHALL BE RED WITH RED COVER PLATE, PERMANENTLY LABELED WITH PANEL BOARD AND BRANCH CIRCUIT NUMBER SUPPLYING RECEPTACLE.
27. IF REQUIRED, CONTRACTOR SHALL SUPPLY AND INSTALL ADDITIONAL BRANCH CIRCUITS (BREAKERS, RACEWAYS, WIRING, ETC.) AS REQUIRED TO COMPLETE THE PROJECT. CIRCUITS SHALL BE FED FROM CLOSEST COMPATIBLE PANEL BOARD WITH SUFFICIENT SPACE AND SPARE CAPACITY.
28. JUNCTION BOXES NOTED ON PLANS ARE DIAGRAMMATIC ONLY TO INDICATE CIRCUIT ARRANGEMENT. ALL JUNCTION BOXES SHALL BE INSTALLED IN AN ACCESSIBLE CODE COMPLIANT LOCATION AND SHALL BE LABELED WITH CIRCUIT SOURCE AND VOLTAGE. EMERGENCY JUNCTION BOX COVERS SHALL BE RED.
29. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED TO COMPLY WITH OSHA AND ANSI/ASME A13.1-2007 STANDARDS FOR THE IDENTIFICATION OF SYSTEMS. THE MARKINGS MUST IDENTIFY THE EQUIPMENT, ITS ORIGIN AND VOLTAGE OF THE CONTENTS. ALL EQUIPMENT SHALL BE IDENTIFIED USING PHENOLIC NAMEPLATES AND LABELED IN ACCORDANCE WITH THE NOMENCLATURE USED ON THE DRAWINGS AND MUST BE COMPATIBLE WITH THE MIMS SYSTEM.
30. CONTRACTOR SHALL PROVIDE TO OWNER A DETAILED AS-BUILT DRAWING OF THE WORK PERFORMED. THIS PLAN SHALL INDICATE THE BRANCH CIRCUITS SUPPLYING EACH LIGHT AND DEVICE ASSOCIATED WITH THE WORK PERFORMED ON THIS PROJECT.
31. ALL SYSTEMS WIRING INCLUDING LOW VOLTAGE CONTROLS, FIRE ALARM, NURSE CALL, CCTV AND TELE/DATA SHALL BE INSTALLED IN CONDUIT AND/OR CABLE TRAY/DUCT SYSTEM AND SHALL BE SUPPORTED TO COMPLY WITH THE N.E.C.

32. CONTRACTOR SHALL PROVIDE AND AFFIX ARC FLASH WARNING LABELS (PER N.E.C. 110.16) AND AVAILABLE FAULT CURRENT LABELS (PER N.E.C. 110.24) TO ALL PANEL BOARDS.
33. WHERE LOAD IS BEING ADDED TO AN EXISTING PANEL BOARD, OR A PARTICULAR CIRCUIT WITHIN AN EXISTING PANEL BOARD, CONTRACTOR SHALL VERIFY THAT THE ADDITIONAL LOAD BEING ADDED WILL NOT OVERLOAD EXISTING PANEL BOARD AND CIRCUIT.



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ALL DIMENSIONS MUST BE VERIFIED BY
CONTRACTOR AND OWNER MUST BE NOTIFIED
OF ANY DISCREPANCIES BEFORE PROCEEDING
WITH THE WORK.

PROJECT:

COUNTY OF SALEM
CITY OF SALEM MUNICIPAL BUILDING
FIRST FLOOR FIT-OUT
125 WEST BROADWAY
SALEM, NEW JERSEY 08079
SALEM COUNTY, NEW JERSEY

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REVISIONS		
NO.	DESCRIPTION	DATE

DRAWING TITLE:

ELECTRICAL
LIGHTING FLOOR
PLANS

JOB NO: SC2023-01	DESIGNED BY: DM3
DATE: SEPTEMBER 26, 2023	DRAWN BY: DM3
SCALE: AS NOTED	CHECKED BY: SMB
DRAWING NUMBER:	

E-1.0



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REVISIONS		
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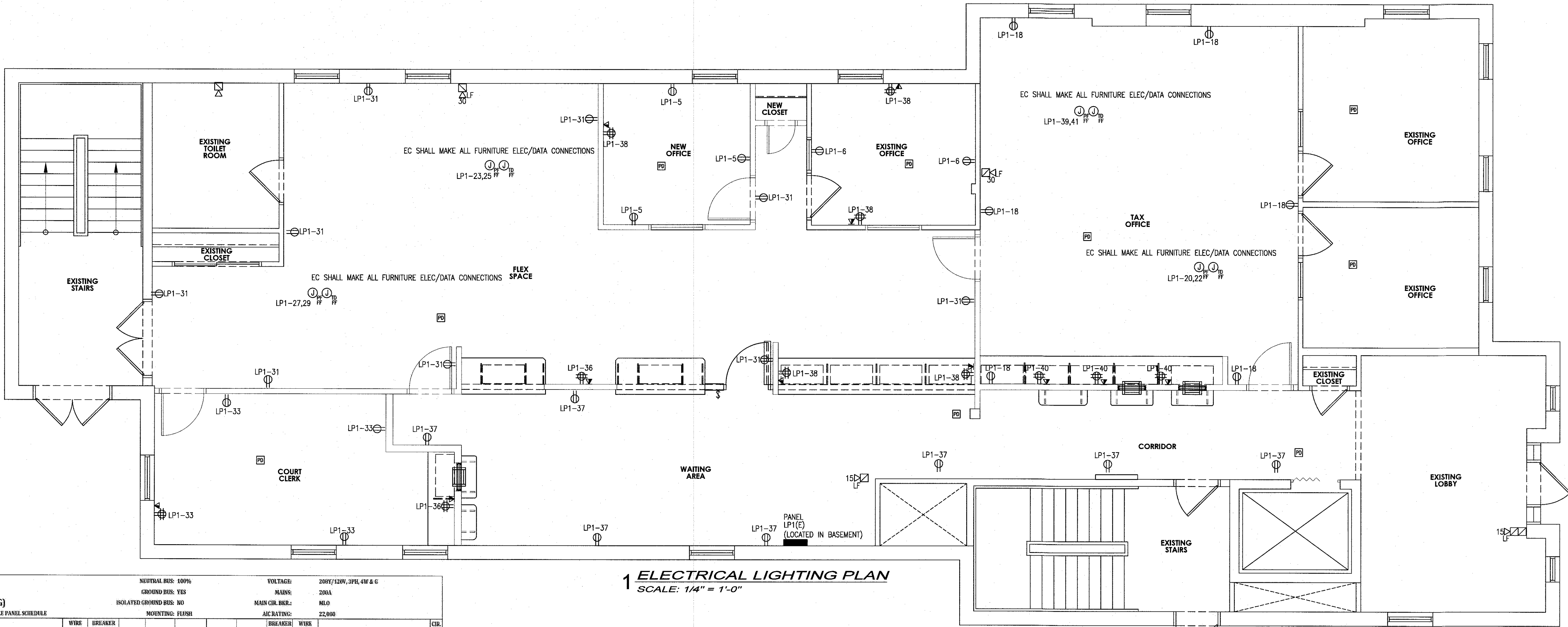
DRAWING TITLE:
**ELECTRICAL
POWER FLOOR
PLANS**

JOB NO: SC2023-01	DESIGNED BY: DM3
DATE: SEPTEMBER 26, 2023	DRAWN BY: DM3
SCALE: AS NOTED	CHECKED BY: SMH

DRAWING NUMBER:

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1 ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"

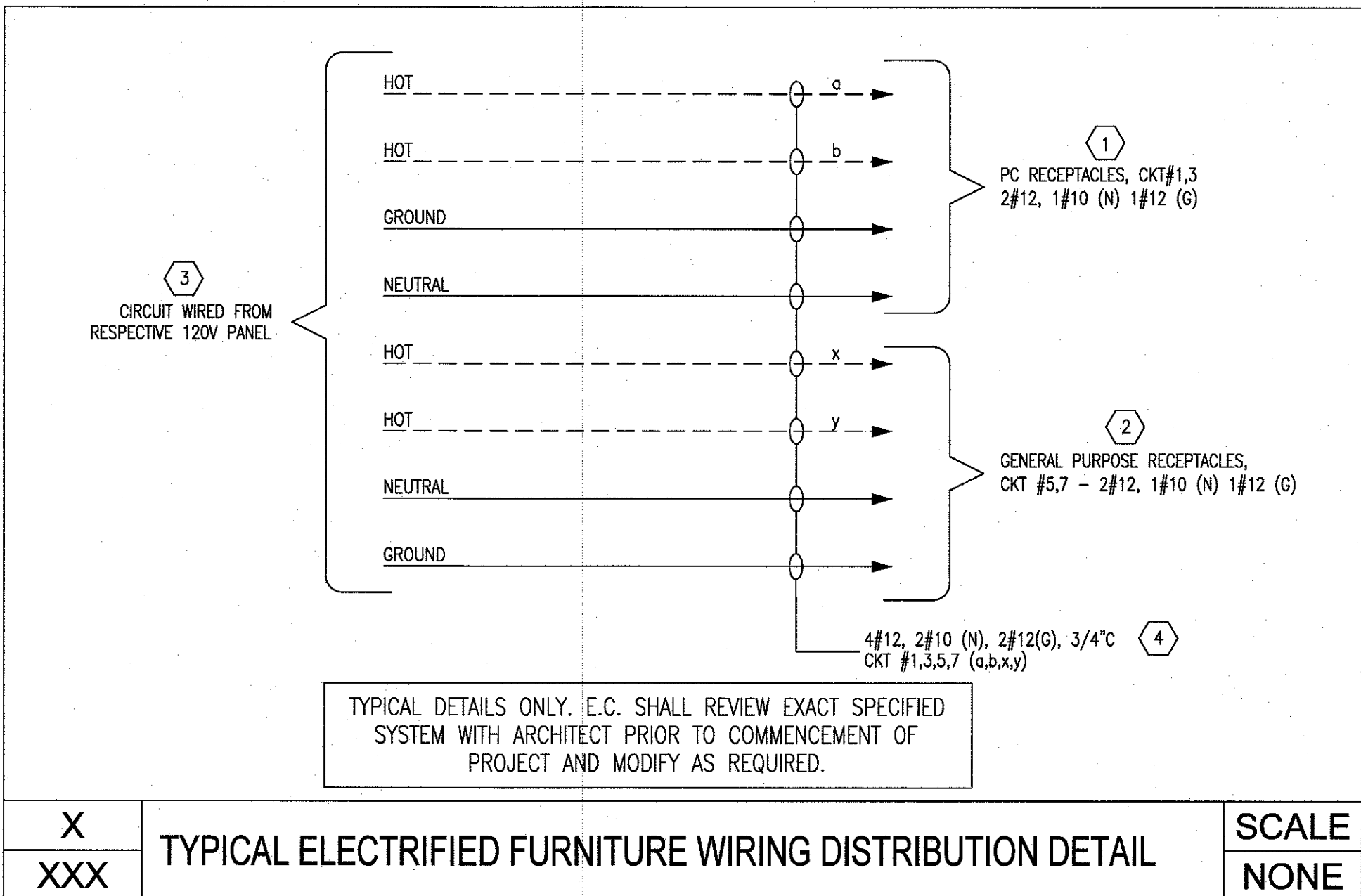
NEUTRAL BUS: 100% GROUND BUS: YES ISOLATED GROUND BUS: NO MOUNTING: FLUSH										VOLTAGE: 208Y/120V, 3PH, 4W & G MAIN: 200A AIC RATING: 22,000											
PANEL NO.		LP1 (EXISTING) LIGHTING AND RECEPT PANEL SCHEDULE																		PANEL NO.	
CR. NO.	DESCRIPTION	WIRE SIZE	BREAKER	AMPS	POLES	A (VA)	B (VA)	C (VA)	POLES	BREAKER	AMPS	WIRE SIZE	DESCRIPTION	CR. NO.							
1	FIRST FLOOR LIGHT (FLEX SPACE)	#12	20	1		1800				1	20	#12	FIRST FLOOR BATH REC.	2							
3	GENERAL OFFICE REC.	#12	20	1		1000	0		1	20	#12	FIRST FLOOR LOBBY LIGHT	4								
5	GENERAL OFFICE REC.	#12	20	1		1000	540	540	1	20	#12	GENERAL OFFICE REC.	6								
7	FIRST FLOOR LIGHT (FLEX SPACE)	#12	20	1		1800			1	20	#12	FIRST FLOOR OFFICE LIGHT	8								
9	FIRST FLOOR LIGHT (EXISTING OFFICE)	#12	20	1		1000	1000		1	20	#12	FIRST FLOOR OFFICE LIGHT	10								
11	GENERAL OFFICE WEST REC. (EXISTING)	#12	20	1			720	540	1	20	#12	LOBBY REC.	12								
13	EXISTING STAIR REC.	#12	20	1		540			1	20	#12	OFFICE LIGHT	14								
15	EXISTING STAIR LIGHT	#12	20	1		1000	720		1	20	#12	FRONT OFFICE REC.	16								
17	TAX OFFICE LIGHT	#12	20	1			0	990	1	20	#12	GENERAL OFFICE EAST REC. (TAX OFFICE)	18								
19		#12	20	1		500	500		1	20	#12	WORKSTATION	20								
21	REAR HALLWAY LIGHT	#12	20	1		500	500		1	20	#12	WORKSTATION	22								
23	WORKSTATION	#12	20	1			580	0	1	20	#12		24								
25	WORKSTATION	#12	20	1		500	360		1	20	#12	BATHROOM LIGHT	26								
27	WORKSTATION	#12	20	1			0	0					28								
29	WORKSTATION	#12	20	1				0					30								
31	REAR PARTITION REC. (FLEX SPACE)	#12	20	1		1620	0						32								
33	FRONT PARTITION REC. (COURT CLERK)	#12	20	1			720	0	1	20	#12	SPARE	34								
35								0	1	20	#12	COMPUTER REC.	36								
37	FRONT PARTITION REC. (WAITING AREA)	#12	20	1		1260	3000		1	20	#12	COMPUTER REC.	38								
39	WORKSTATION	#12	20	1			500	3000	1	20	#12	COMPUTER REC.	40								
41	WORKSTATION	#12	20	1				500	93	20	#12	SITE LIGHTING	42								
SUB TOTAL						12460	9940	7740	SUB TOTAL					SUB TOTAL							
LEGEND: ** 6mA GROUND FAULT CIRCUIT BREAKER					CONNECTED LOAD 30.14 KVA					REMARKS:											
* 30mA GROUND FAULT CIRCUIT BREAKER					DEMAND LOAD 29.0 KVA																
# LOCK-ON CIRCUIT BREAKER HANDLE					MIN AMPS 58 AMPS @ 3 PH.																

HEXAGON KEY NOTES:

- 1 CKT#1,3,5,7 (a,b,x,y) - DENOTES CIRCUIT NUMBER. 1-3 DENOTES CIRCUITS FOR NON LINEAR LOADS WITH SHARED NEUTRAL AND GROUND.
- 2 5,7 - DENOTES GENERAL PURPOSE RECEPTACLE CIRCUITS IN WIREWAY WITH SHARED NEUTRAL AND GROUND.
- 3 4#12 2#10(N), 2#12(G) - DENOTES NUMBER & SIZES OF WIRE RUN FROM 120V PANEL.
- 4 3/4" - DENOTES 3/4" CONDUIT WIRE WAY FOR EACH FURNITURE SYSTEM POWER FEED.

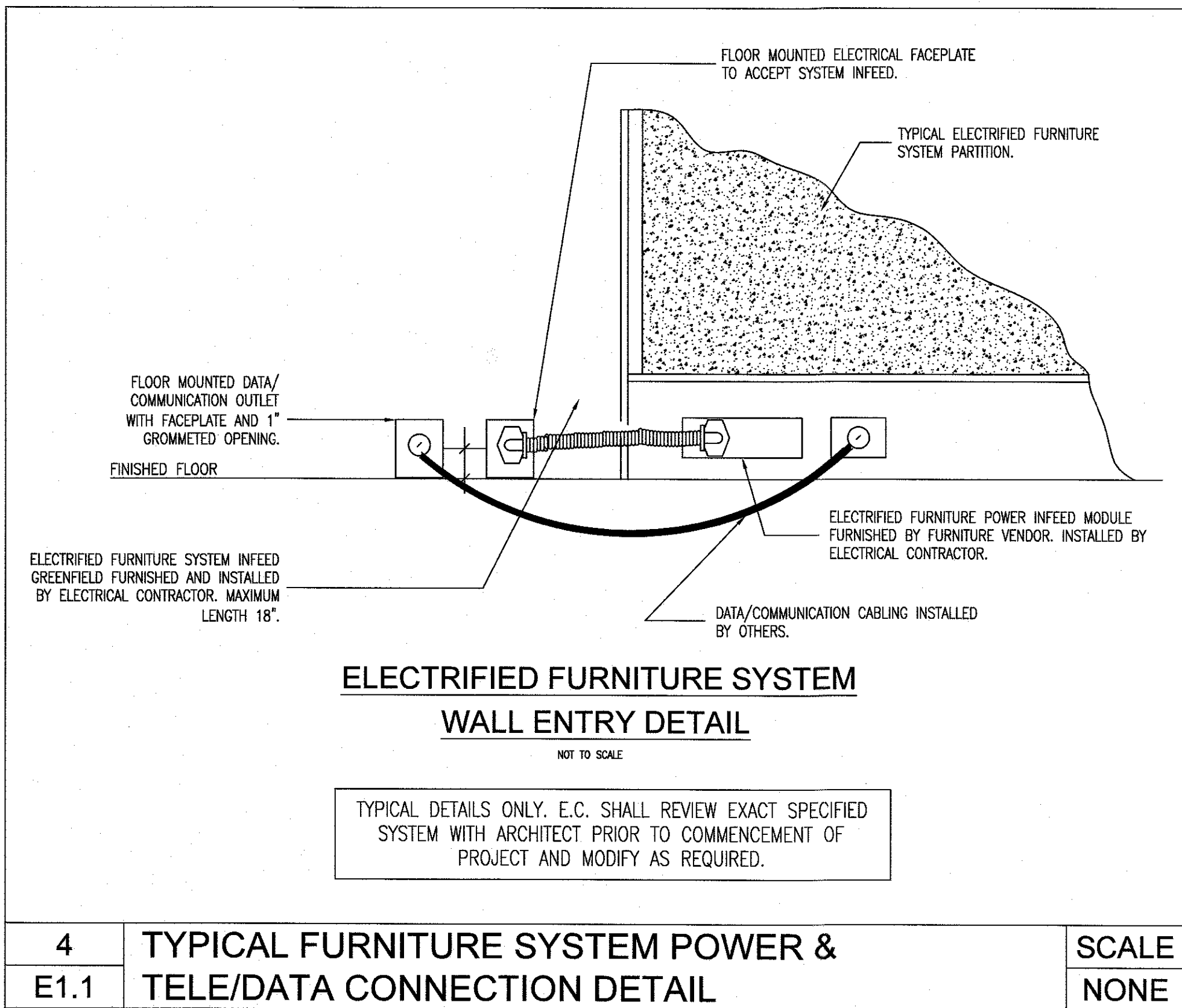
DETAIL NOTES:

1. THE ELECTRIC FURNITURE DISTRIBUTION SHALL BE A 20A 120V RATED, 2+2, 8 WIRE FURNITURE SYSTEM, U.O.N.
2. THE CIRCUIT ARRANGEMENT SHOWN IS MANDATORY FOR THE POWER SUPPLY TO ALL FURNITURE IN FEEDS, U.O.N.
3. SEE DETAIL FOR POWER AND TELE/DATA CONNECTIONS TO FURNITURE SYSTEM.
4. THE OVERSIZED #10 NEUTRAL IS FROM THE RESPECTIVE 120/208V PANEL TO THE FURNITURE SYSTEM IN FEED.

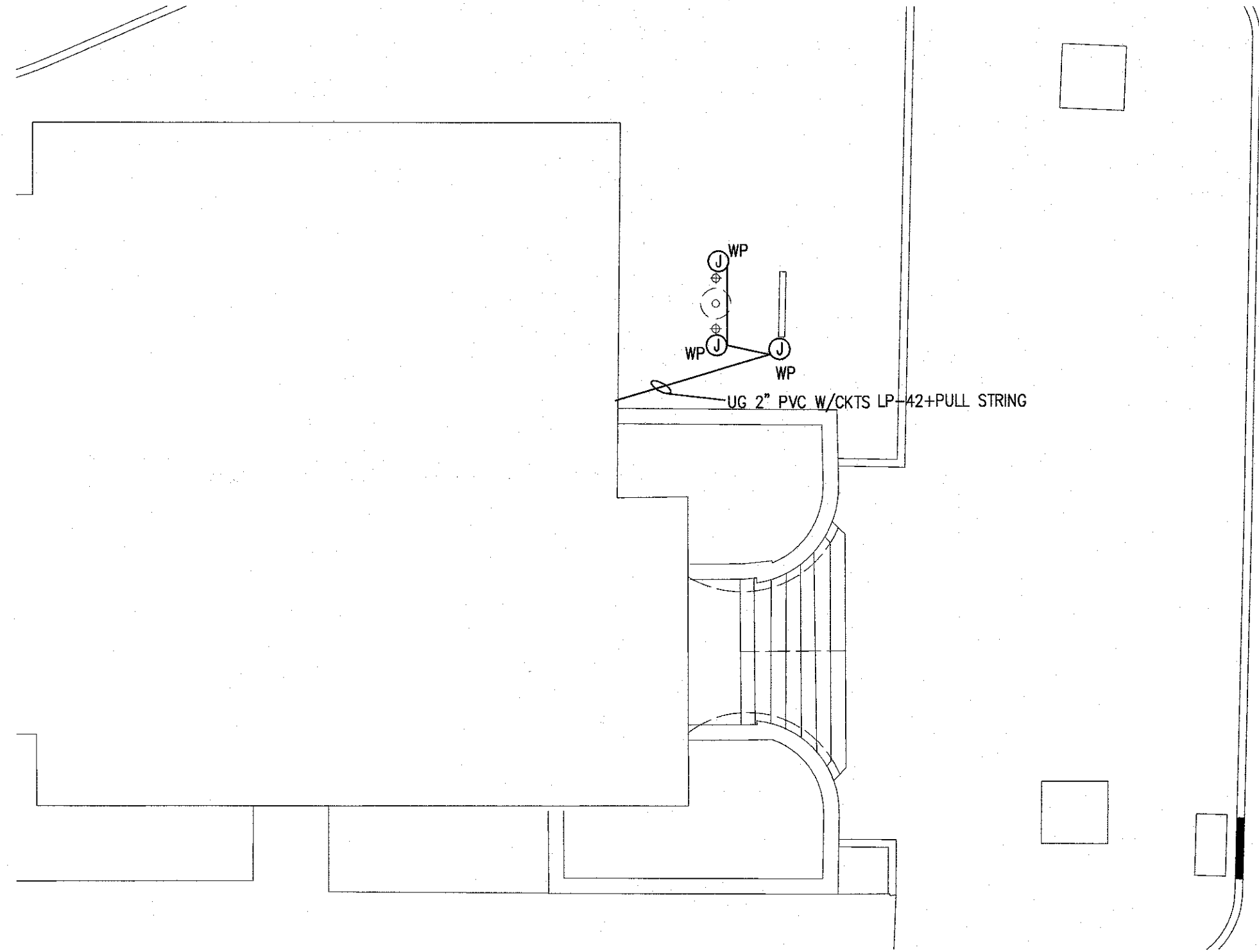


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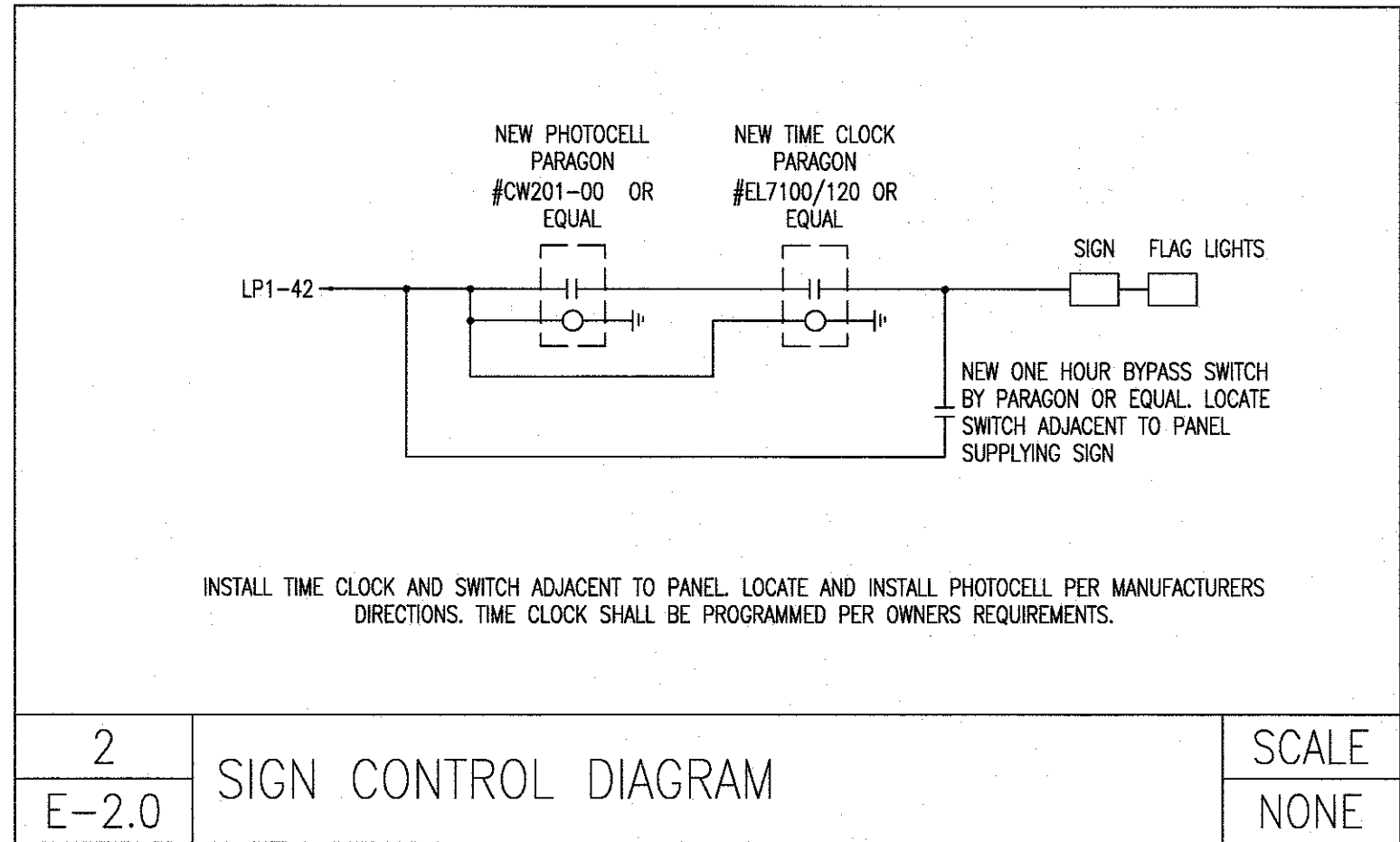
1. SEE ARCHITECTURAL DRAWINGS FOR HOUSING DIMENSIONS AND DETAILS.
2. REFER TO ARCHITECTURAL DRAWINGS & MANUFACTURER'S INSTALLATION DETAILS FOR SPECIFIC FURNITURE SYSTEM INFORMATION.
3. WALL PLATE FINISHES PER ARCHITECT.
4. ALL ELECTRIFIED PARTITIONS, HARNESSES FOR FURNITURE SYSTEM WILL BE SUPPLIED BY OTHERS.
5. ELECTRICAL CONTRACTOR SHALL INSTALL PRE-WIRED HARNESSES AND MAKE ALL CONNECTIONS TO FURNITURE SYSTEM FOR INCOMING POWER AND COMMUNICATION CABLES.
6. ALL JUNCTION BOXES FOR FURNITURE PARTITION SYSTEM SHALL BE MOUNTED IN FLUSH WITH WALL, COLUMN, OR IN CONNECTOR BASE. PROVIDE FLEXIBLE CIRCUIT CONNECTION FROM JUNCTION BOXES TO FURNITURE SYSTEM (18" MAX LENGTH). ALL WIRING BETWEEN CLUSTERS OF FURNITURE SYSTEM AND HOME RUN TO DESIGNATED PANEL SHALL BE IN CONDUIT.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF INFED JUNCTION BOXES (WALL OR FLOOR MOUNTED) WITH MOVABLE FURNITURE SYSTEM AND THE FLOOR SYSTEM. FOR EXACT LOCATION OF MOVABLE PARTITIONS REFER TO ARCHITECT'S DRAWINGS. PRIOR TO BID ELECTRICAL CONTRACTOR SHALL VERIFY EXACT FURNITURE INFED LOCATIONS WITH FURNITURE VENDOR AND ARCHITECT AND DETERMINE REQUIREMENTS FOR CONNECTION TO FURNITURE SYSTEM. E.C. SHALL REVIEW EXACT SPECIFIED SYSTEM WITH ARCHITECT AND MODIFY AS REQUIRED.
8. ELECTRICAL CONTRACTOR SHALL RECEIVE SET AND INSTALL ALL ELECTRIFIED FURNITURE SYSTEM PARTITIONS INCLUDING ALL COMPONENTS AND TASK LIGHTING WHICH SHALL BE FURNISHED TO THE PROJECT BY THE FURNITURE SYSTEM MANUFACTURER.
9. ELECTRICAL CONTRACTOR IS TO CONFIRM OUTLET RACEWAY POSITION (BELTLINE AND/OR BASE) WITH FURNITURE MANUFACTURER AND ARCHITECT AT COMMENCEMENT OF PROJECT.
10. CONTRACTOR SHALL INCLUDE (1) TASK LIGHT PER WORK POSITION FOR FURNITURE SYSTEMS. PRIOR TO INSTALL VERIFY QUANTITY AND LOCATIONS WITH ARCHITECT IN FIELD.
11. INCLUDE ALL OF THE ABOVE IN BID PRICE.



4 TYPICAL FURNITURE SYSTEM POWER & TELE/DATA CONNECTION DETAIL
E1.1 SCALE NONE



1 ELECTRICAL SITE PLAN
E-2.0 SCALE: NTS



WEST BROADW.
(A.K.A. N.J.S.H. ROUTE #49)

LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	MOUNTING	LAMPS		MANUFACTURER'S CATALOG NUMBER	WATTS	VOLTS	REMARKS
			QTY.	LAMP DESIGNATION				
A	NEW 2' X 4' RECESSED L.E.D. LIGHT FIXTURE WITH DIFFUSE MATTE ACRYLIC DIFFUSER	RECESSED	1	78W L.E.D.	FINELITE #HPRLED-A-2X4-DC0-B-B3 5-120-SC-C2	78	120	-
B1	NEW 2' X 2' RECESSED L.E.D. LIGHT FIXTURE WITH DIFFUSE MATTE ACRYLIC DIFFUSER	RECESSED	1	43W L.E.D.	FINELITE #HPRLED-A-2X2-DC0-B-B3 5-120-SC-C2	43	120	
EMB	EMERG BATTERY UNIT	WALL	1	(2)9W PAR36	LIGHT ALARMS 2-PG1/ELF3-LD1-M	18	120	-
XA	WALL MOUNTED SINGLE FACE EXIT SIGN	WALL	1	L.E.D. INCLUDED	H.E. WILLIAMS #EXIT/EL-SF-R-MP-AN-EM -SDT	5	120	EXIT SIGN WITH INTEGRAL BATTERY AND SELF DIAGNOSTIC TESTING. PROVIDE CHEVRONS AS NOTED ON PLANS.
XB	CEILING MOUNTED SINGLE FACE EXIT SIGN	CEILING	1	L.E.D. INCLUDED	H.E. WILLIAMS #EXIT/EL-SF-R-MP-AN-EM -SDT (SAME AS XA EXCEPT CEILING MOUNTED)	5	120	EXIT SIGN WITH INTEGRAL BATTERY AND SELF DIAGNOSTIC TESTING. PROVIDE CHEVRONS AS NOTED ON PLANS.
XC	CEILING MOUNTED DOUBLE FACE EXIT SIGN	CEILING	1	L.E.D. INCLUDED	H.E. WILLIAMS #EXIT/EL-DF-R-MP-AN-EM -SDT	5	120	EXIT SIGN WITH INTEGRAL BATTERY AND SELF DIAGNOSTIC TESTING. PROVIDE CHEVRONS AS NOTED ON PLANS.
NOTES: ELECTRICAL CONTRACTOR SHALL COORDINATE FIXTURES WITH CEILING TYPES AND PROVIDE MOUNTING HARDWARE AS REQUIRED. ALL EMERGENCY FIXTURES AND BATTERY UNITS SHALL BE CONNECTED AHEAD OF SWITCH LEG.								

GENERAL NOTES FOR LIGHTING FIXTURE SCHEDULE

- ALL FIXTURES SHALL BE PROVIDED BY OWNER AND INSTALLED BY EC.
- PROVIDE ALL FIXTURES COMPLETE WITH LAMPS. ALL 4' FLUORESCENT LAMPS SHALL BE T8, RAPID START, 3500K, MINIMUM 2850 INITIAL LUMENS, UNLESS OTHERWISE NOTED.
- PROVIDE ALL FLUORESCENT FIXTURES WILL FULL ELECTRONIC BALLASTS, ADVANCE OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.
- COORDINATE ALL LIGHT FIXTURES WITH CEILING, SOFFIT AND WALL CONSTRUCTION DETAILS AND VERIFY EXACT FIXTURE AND LAMP REQUIREMENTS PRIOR TO ORDERING FIXTURES. PRIOR TO ORDERING, FIELD VERIFY FIXTURE INSTALLATION REQUIREMENTS WITH ACTUAL CONSTRUCTION TO ENSURE FIXTURES WILL FIT IN SPACE(S) AS INDICATED ON THE DRAWINGS WITH ADEQUATE ACCESS FOR MAINTENANCE, LAMP REPLACEMENT AND EMERGENCY BATTERY PACK FOR FIXTURES SO EQUIPPED.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES ON EXTERIOR BUILDING ELEVATIONS. COORDINATE THE EXACT LOCATION OF LIGHT FIXTURES IN EQUIPMENT ROOMS TO AVOID INTERFERENCE WITH PIPING, DUCTWORK, EQUIPMENT, ETC.
- LIGHT FIXTURES IN LAY-IN CEILINGS SHALL BE SUPPORTED INDEPENDENT OF CEILING GRID. SUPPORT TO BUILDING STRUCTURE ABOVE USING HANGING WIRE AND HARDENED STEEL CLIPS TO STRUCTURAL STEEL.
- WALL MOUNTED FIXTURES SHALL COMPLY WITH ADA, ANSI A1176.1, SECTION 4.4 FOR PROTRUDING OBJECTS. VERIFY LOCAL CODE REQUIREMENTS WITH BUILDING OFFICIAL.
- 'EM' ON FIXTURE INDICATES NIGHT LIGHT. CONNECT TO CIRCUIT AHEAD OF SWITCH TO ALLOW CONTINUOUS OPERATION.

TELE/DATA NOTES:

- ALL TELEPHONE AND DATA SYSTEMS WORK MUST COMPLY WITH ANSI/TIA/EIA 569A COMMERCIAL BUILDING STANDARDS FOR TELECOMMUNICATIONS PATHWAYS AND SPACES.
- ALL RECESSED AND SURFACE MOUNTED BOXES SHALL BE FURNISHED WITH A SINGLE LENGTH OF 1" DIAMETER GRADE EMT FIXED TO THE TOP OF THE BOX AND EXTENDING A MINIMUM OF 6" ABOVE THE NEAREST ACCESSIBLE CEILING LEVEL.
- BOTH OPEN ENDS OF THE EMT SHALL BE FURNISHED WITH A 1" DIAMETER SET SCREW CONNECTOR AND THREADED PLASTIC BUSHING.
- EACH LENGTH OF EMT SHALL BE FURNISHED WITH A PULL STRING EXTENDING AT LEAST 18" BEYOND EACH OPEN END OF EMT.
- THE USE OF FLEXIBLE ARMORED SHEATHING ("GREENFIELD") IS NOT PERMITTED. ONLY EMT WITH A MINIMUM DIAMETER OF 1" SHALL BE USED FOR TELE/DATA CABLING.
- ALL TELE/DATA CABLING SHALL BE INSTALLED BY OTHERS. CONTRACTOR SHALL COORDINATE ALL DEVICE LOCATIONS AND REQUIREMENTS WITH TELE/DATA VENDOR AND INSTALLER.

BA

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PROJECT:

COUNTY OF SALEM

CITY OF SALEM MUNICIPAL BUILDING
FIRST FLOOR FIT-OUT

125 WEST BROADWAY
SALEM, NEW JERSEY 08079
SALEM COUNTY, NEW JERSEY

REVISIONS

NO.	DESCRIPTION	DATE

DRAWING TITLE:

ELECTRICAL
DETAILS

JOB NO: SC2023-01	DESIGNED BY: DM3
DATE: SEPTEMBER 26, 2023	DRAWN BY: DM3
SCALE: AS NOTED	CHECKED BY: SMB

DRAWING NUMBER:

E-2.0

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(D) DEMOLISH
(E) EXISTING
(F) REFURBISH
(N) NEW
(R) RELOCATE
AC AIR CONDITIONING UNIT
ACC AIR COOLED CONDENSER
ACCU AIR COOLED CONDENSING UNIT
ACFM ACTUAL CUBIC FEET PER MINUTE
AD ACCESS DOOR
AF AIRFOIL
AFF ABOVE FINISHED FLOOR
AHU AIR HANDLING UNIT
AI ANALOG INPUT
AL ACOUSTICAL LINING
AMB AMBIENT
AMS AIR FLOW MEASURING STATION
AO ANALOG OUTPUT
AP ACCESS PANEL
APD AIR PRESSURE DROP
ARCH ARCHITECTURAL
AS AIR SEPARATOR
ASC APPLICATION SPECIFIC CONTROLLER
ATC AUTOMATIC TEMPERATURE CONTROL
AVG AVERAGE
AWT AVERAGE WATER TEMPERATURE
B BOILER
BAS BUILDING AUTOMATION SYSTEM
BDD BACKDRAFT DAMPER
BDS BLOWDOWN SEPARATOR
BFP BACK FLOW PREVENTOR OR BOILER FEED PUMP
BFU BOILER FEED UNIT
BHP BRAKE HORSEPOWER OR BOILER HORSEPOWER
BI BACKWARD INCLINED
BI BINARY INPUT
BLD BUILDING
BO BINARY OUTPUT
BOD BOTTOM OF DUCT OR BASIS OF DESIGN
BOP BOTTOM OF PIPE
BOT BOTTOM
BT BLOWDOWN TANK
BTJ BETWEEN JOIST
BTU BRITISH THERMAL UNIT
BTUH BTU PER HOUR
C CONVECTOR
CAP CAPACITY
CB CONCRETE BASE
CC COOLING COIL
CCO CAPPED CURB OPENING
CD CEILING DIFFUSER
CFH CUBIC FEET PER HOUR
CFM CUBIC FEET PER MINUTE
CH CHILLER
CL COOLING
CLG CEILING
CMPR COMPRESSOR
CO CLEAN OUT
COL COLUMN
CONC CONCENTRATION OR CONCRETE
COND CONDENSATE (STEAM OR COOLING COIL)
CONN CONNECTION
CONT CONTINUATION
CP CONDENSATE PUMP
CRAC COMPUTER ROOM AIR CONDITIONING UNIT
CT COOLING TOWER
CU CONDENSING UNIT
CUH CABINET UNIT HEATER
CV COEFFICIENT OF CAPACITY
D DROP
DA DEAERATOR
DB DRY BULB
DC DRY COOLER
DDC DIRECT DIGITAL CONTROL
DEFL DEFLECTION
DET DETAIL
DIA DIAMETER
DISC DISCONNECT
DISCH DISCHARGE
DI DIGITAL INPUT
DN DOWN
DO DIGITAL OUTPUT
DR DRAIN
DS DISCONNECT SWITCH
DWG DRAWING
EA EXHAUST AIR OR EACH
EAT ENTERING AIR TEMPERATURE
EC ELECTRICAL CONTRACTOR
ECH ELECTRIC CEILING HEATER
EDB ENTERING DRY BULB TEMPERATURE
EF EXHAUST FAN
EFF EFFICIENCY
EG EXHAUST GRILLE
EJ EXPANSION JOINT
ELEC ELECTRIC
ELEV ELEVATION
EM EQUIPMENT MANUFACTURER
EMER EMERGENCY

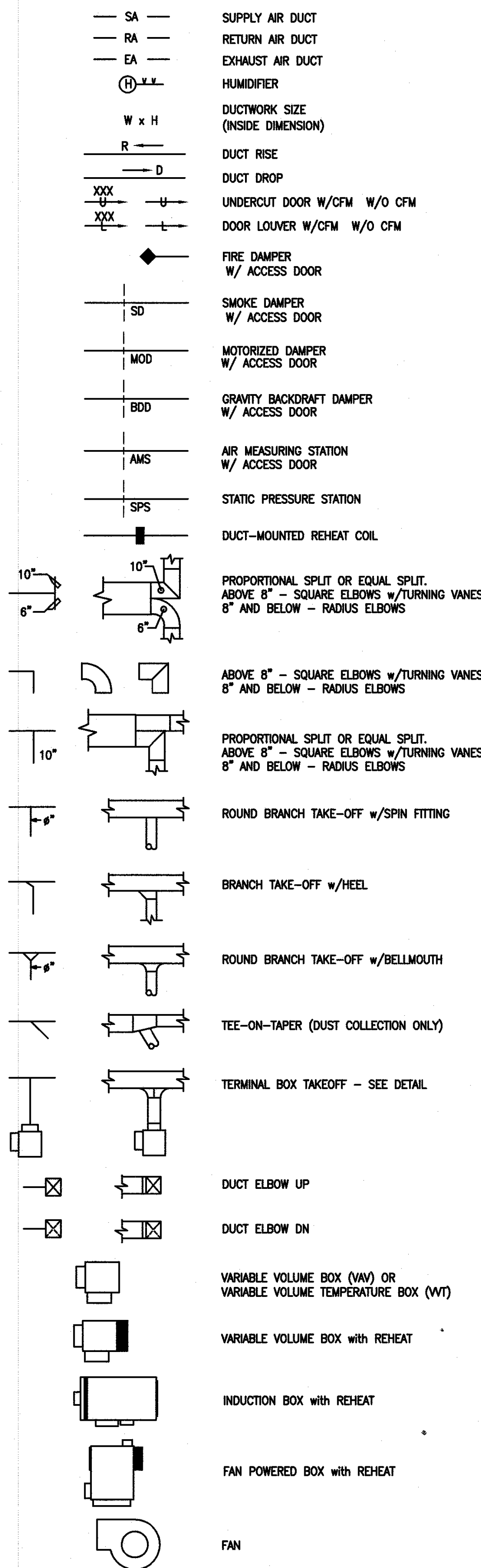
ABBREVIATIONS

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED.

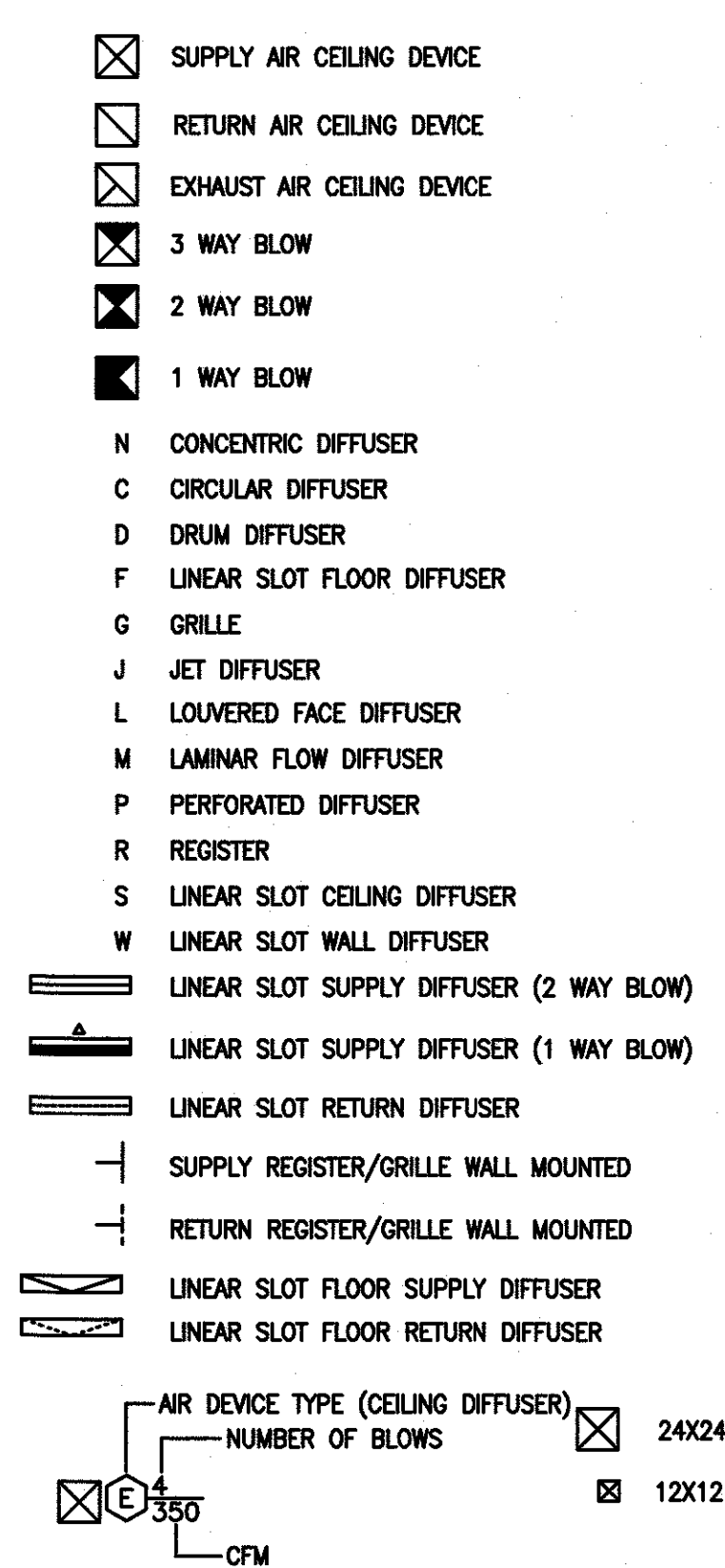
ENT ENTERING
ER EXHAUST REGISTER
ERAD ELECTRIC RADIATION
ERC EXHAUST ENERGY RECOVERY COIL
ERU ENERGY RECOVERY UNIT
ESP EXTERNAL STATIC PRESSURE
ET EXPANSION TANK
EVC EVAPORATIVE COOLER
EWB ENTERING WET BULB TEMPERATURE
EWH ELECTRIC WATER HEATER
EWT ENTERING WATER TEMPERATURE
EXH EXHAUST
EXIST EXISTING
EXT EXTERNAL
F FILTER
F&T FLOAT AND THERMOSTATIC STEAM TRAP
FA FACE AREA
FA FROM ABOVE
FAS FIRE ALARM SYSTEM
FB FROM BELOW
FC FLEXIBLE CONNECTION
FCU FAN COIL UNIT
FD FIRE DAMPER OR FLOOR DRAIN
FIN FINAL
FLA FULL LOAD AMPS
FLEX FLEXIBLE
FLR FLOOR
FLTR FILTER
FM FLOW METERING DEVICE
FO FUEL OIL
FOB FLAT ON BOTTOM
FOF FUEL OIL FILL
FOO FUEL OIL OVERFLOW
FOP FUEL OIL PUMP
FOS FUEL OIL SUPPLY
FOT FLAT ON TOP
FPB FAN POWERED BOX
FPM FEET PER MINUTE
FPS FEET PER SECOND
FT FLASH TANK OR FOOT OR FEET
FTR FINNED TUBE RADIATION
FUT FUTURE
GPH GALLONS PER HOUR
GPM GALLONS PER MINUTE
GR GRILLE
GRV GRAVITY ROOF VENT
GV GRAVITY VENT
H HUMIDIFIER
HAV HEAT ACTUATED SHUTOFF VALVE
HC HEATING COIL
HG MERCURY
HO HUB OUTLET
HP HORSEPOWER
HTG HEATING
HV HEATING & VENTILATING UNIT
HWG HOT WATER GENERATOR
HX HEAT EXCHANGER
ID INSIDE DIAMETER
IN INCHES
INT INITIAL
KW KILOWATT
LAT LEAVING AIR TEMPERATURE
LB POUND
LD LINEAR DIFFUSER
LDB LEAVING DRY BULB TEMPERATURE
LF LINEAR FOOT
LG LINEAR GRILLE
LOC LOCATION
LP PROPANE
LRA LOCKED ROTOR AMPS
LVG LEAVING
LWB LEAVING WET BULB TEMPERATURE
LWT LEAVING WATER TEMPERATURE
MAX MAXIMUM
MBC MODULAR BUILDING CONTROLLER
MBH 1000 BTU PER HOUR
MC MECHANICAL CONTRACTOR
MCC MOTOR CONTROL CENTER
MECH MECHANICAL
MER MECHANICAL EQUIPMENT ROOM
MFR MANUFACTURER
MH MANHOLE
MIN MINIMUM OR MINUTE
MOCP MAXIMUM OVER-CURRENT PROTECTION
MOD MOTOR OPERATED DAMPER
MODU MODULATING
MXB MIXING BOX
N NEW
NC NORMALLY CLOSED
NG NATURAL GAS
NIC NOT IN CONTRACT
NO NORMALLY OPEN OR NUMBER
NTS NOT TO SCALE
OA OUTSIDE AIR

OAH OUTSIDE AIR ENTHALPY
OAI OUTSIDE AIR INTAKE
OAT OUTSIDE AIR TEMPERATURE
OBD OPPOSED BLADE DAMPER
OC ON CENTER
OED OPEN ENDED DUCT
OEM ORIGINAL EQUIPMENT MANUFACTURER
OPER OPERATING
OPNG OPENING
P PUMP
PBD PARALLEL BLADE DAMPER
PC PUMPED CONDENSATE
PD PRESSURE DROP
PFHX PLATE & FRAME HEAT EXCHANGER
PHC PREHEAT COIL
PLN PLENUM
POS POSITION
PRESS PRESSURE
PRV PRESSURE REDUCING VALVE
PSI POUNDS PER SQUARE INCH
PSIA POUNDS PER SQUARE INCH- ABSOLUTE
PSIG POUNDS PER SQUARE INCH- GAUGE
QUAN QUANTITY
R RISE
RA RETURN OR RELIEF AIR
RAH RETURN AIR ENTHALPY
RAT RETURN AIR TEMPERATURE
RCP RADIANT CEILING PANEL
REQ REQUIRED
RET RETURN
REV REVISION
RF RETURN FAN
RG RETURN GRILLE
RH RELIEF HOOD OR RELATIVE HUMIDITY
RHC REHEAT COIL
RHW ROTARY HEAT WHEEL
RLA RUN LOAD AMPS
RM ROOM
RPM REVOLUTIONS PER MINUTE
RR RETURN REGISTER
RTU ROOFTOP UNIT
RV RELIEF VALVE
SA SUPPLY AIR
SB STRUCTURAL BASE
SCU SELF CONTAINED UNIT
SD SMOKE DAMPER OR DETECTOR
SEC SECOND
SEER EFFICIENCY RATING
SENS SENSIBLE
SF SUPPLY FAN
SG SUPPLY GRILLE
SI SPRING HANGER
SO SCREENED OPENING
SP STATIC PRESSURE IN WG
SPD STEAM PRESSURE DROP
SR SUPPLY REGISTER
SRC SUPPLY ENERGY RECOVERY COIL
SRV SAFETY RELIEF VALVE
SRV SAFETY RELIEF VALVE
SSF SIDE-STREAM FILTER
ST SOUND ATTENUATOR
STBY STANDBY
STM STEAM
SUP SUPPLY
SUT SURGE TANK
TEC TERMINAL EQUIPMENT CONTROLLER
TG TRANSFER GRILLE
TOD TOP OF DUCT
TOP TOP OF PIPE
TOT TOTAL
TP TRANSFER PUMP
TSP TOTAL STATIC PRESSURE
TTS TIGHT TO STRUCTURE
TYP TYPICAL
UH UNIT HEATER
UNO UNLESS NOTED OTHERWISE
VAV VARIABLE AIR VOLUME
VD VOLUME DAMPER
VEL VELOCITY
VFD VARIABLE FREQUENCY DRIVE
VIB VIBRATION
VIV VARIABLE INLET VALVES
VTR VENT THROUGH ROOF
W/ WITH
W/O WITHOUT
WB WET BULB
WCU WATER COOLED CONDENSING UNIT
WG WATER GAUGE
WHP WATER SOURCE HEAT PUMP
WMS WIRE MESH SCREEN
WPD WATER PRESSURE DROP

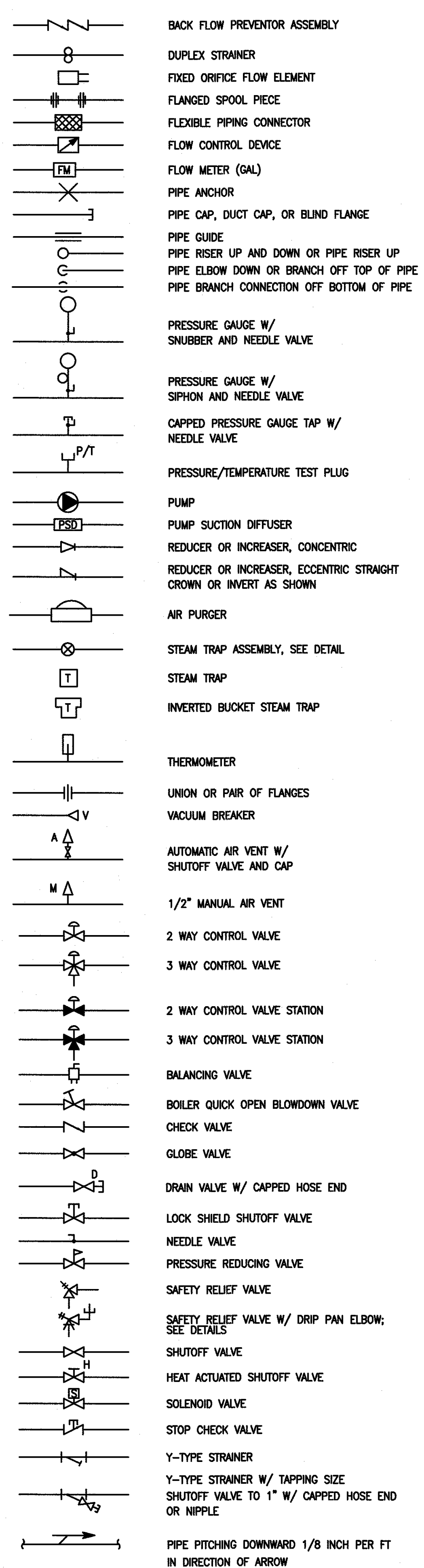
DUCT SYMBOLS



AIR DEVICE LEGEND



PIPE SYMBOLS



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PROJECT:

CITY OF SALEM
CITY OF SALEM MUNICIPAL BUILDING
FIRST FLOOR FIT-OUT
125 WEST BROADWAY
SALEM, NEW JERSEY 08079
SALEM COUNTY, NEW JERSEY

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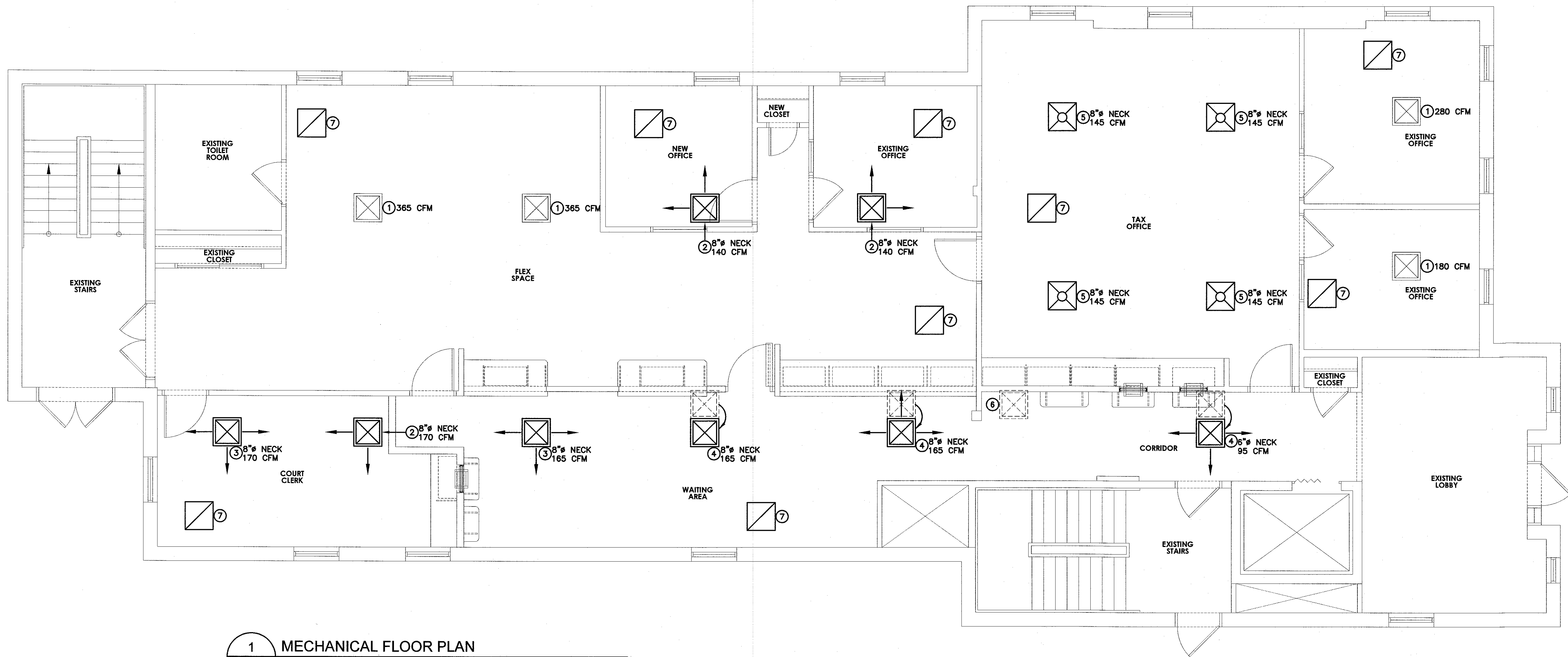
REVISIONS		
NO.	DESCRIPTION	DATE

DRAWING TITLE:

MECHANICAL
COVER
SHEET

JOB NO: SC2023-01	DESIGNED BY: DM3
DATE: SEPTEMBER 26, 2023	DRAWN BY: DM3
SCALE: AS NOTED	CHECKED BY: SMB
DRAWING NUMBER:	

M-1.0



1 MECHANICAL FLOOR PLAN
M-2.0 SCALE: 1/4" = 1'-0"

MECHANICAL SHEET NOTES:

- ① EXISTING SUPPLY DIFFUSER TO REMAIN. VERIFY EXACT LOCATION IN FIELD AND PROTECT DURING CONSTRUCTION, REBALANCE CFM AS SHOWN ON PLAN.
- ② EXISTING DIFFUSER TO BE REMOVED AND REPLACED WITH NEW 24x24 FACE (NECK SIZE AS SHOWN ON PLAN) 2 DIRECTION FLOW DIFFUSER. DIFFUSER TO MATCH EXISTING AIR DEVICES, RECONNECT TO EXISTING DUCT WITH NEW FLEXIBLE DUCT CONNECTION.
- ③ EXISTING DIFFUSER TO BE REMOVED AND REPLACED WITH NEW 24x24 FACE (NECK SIZE AS SHOWN ON PLAN) 3 DIRECTION FLOW DIFFUSER. DIFFUSER TO MATCH EXISTING AIR DEVICES, RECONNECT TO EXISTING DUCT WITH NEW FLEXIBLE DUCT CONNECTION.
- ④ EXISTING DIFFUSER TO BE REMOVED AND RELOCATED WITH NEW 24x24 FACE (NECK SIZE AS SHOWN ON PLAN) 2 DIRECTION FLOW DIFFUSER. DIFFUSER TO MATCH EXISTING AIR DEVICES, RECONNECT TO EXISTING DUCT WITH NEW FLEXIBLE DUCT CONNECTION.
- ⑤ NEW SUPPLY AIR DIFFUSER, CONNECT TO EXISTING MAIN DUCT WITH NEW FLEXIBLE CONNECTION. SIZE AS SHOWN ON PLAN.
- ⑥ EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED., PATCH AND REPAIR REMAINING EXISTING DUCTWORK.
- ⑦ NEW 24x24 RETURN AIR GRILLE. CONNECT NEW FLEXIBLE DUCT TO EXISTING MAIN, VERIFY EXACT LOCATION EXISTING RETURN AIR DUCT IN FIELD.



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SEALS:

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NJ PROFESSIONAL ENGINEER No. GE 41507
NJ REGISTERED ARCHITECT No. AJ 14872
NJ PROFESSIONAL PLANNER No. LU 05567

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

PROJECT:

CITY OF SALEM
CITY OF SALEM MUNICIPAL BUILDING
FIRST FLOOR FIT-OUT
125 WEST BROADWAY
SALEM, NEW JERSEY 08079
SALEM COUNTY, NEW JERSEY

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REVISIONS		
NO.	DESCRIPTION	DATE

DRAWING TITLE:

MECHANICAL FLOOR PLAN AND NOTES

JOB NO: SC2023-01	DESIGNED BY: DMS
DATE: SEPTEMBER 28, 2023	DRAWN BY: DMS
SCALE: AS NOTED	CHECKED BY: SMB

DRAWING NUMBER:

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