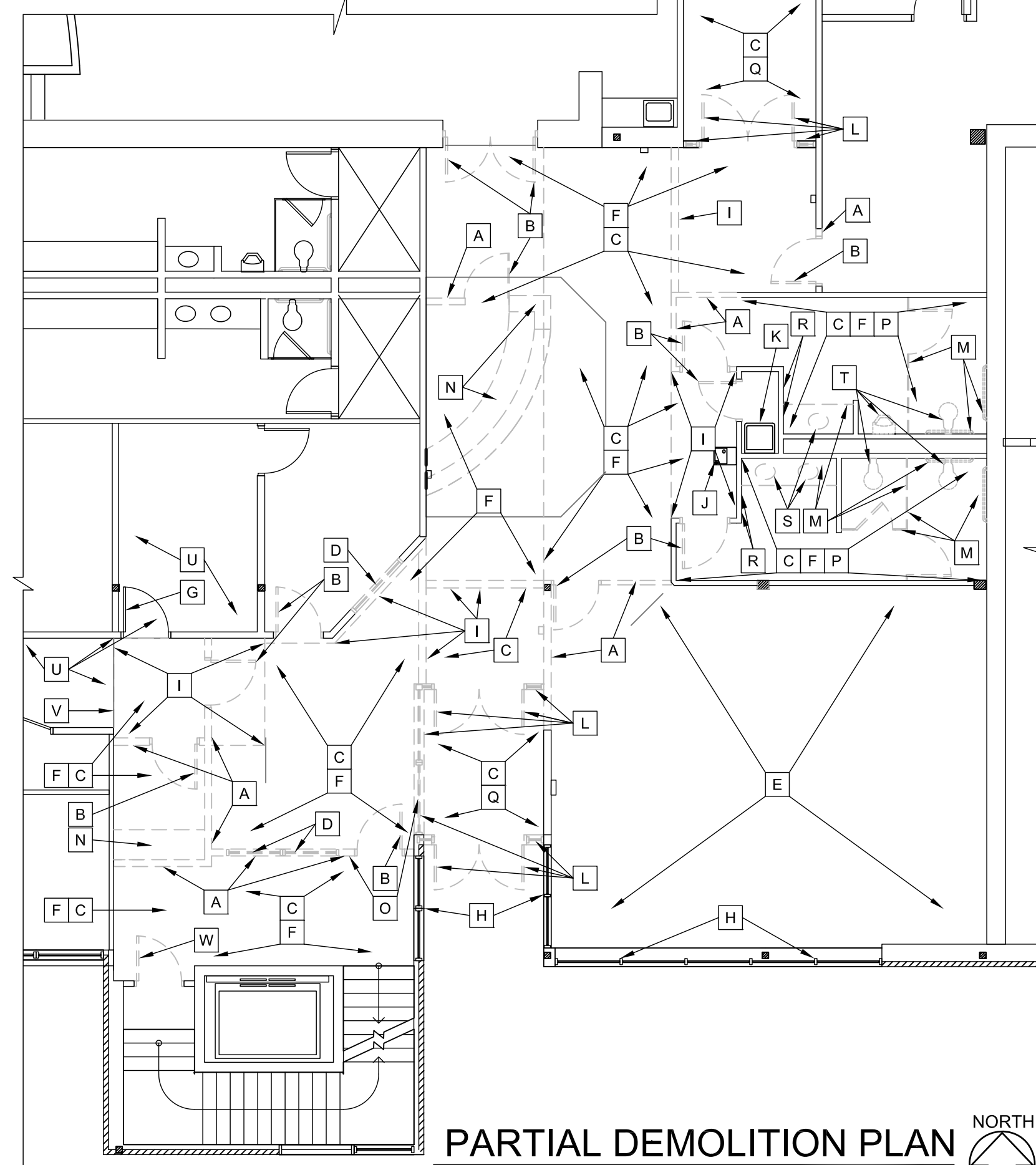


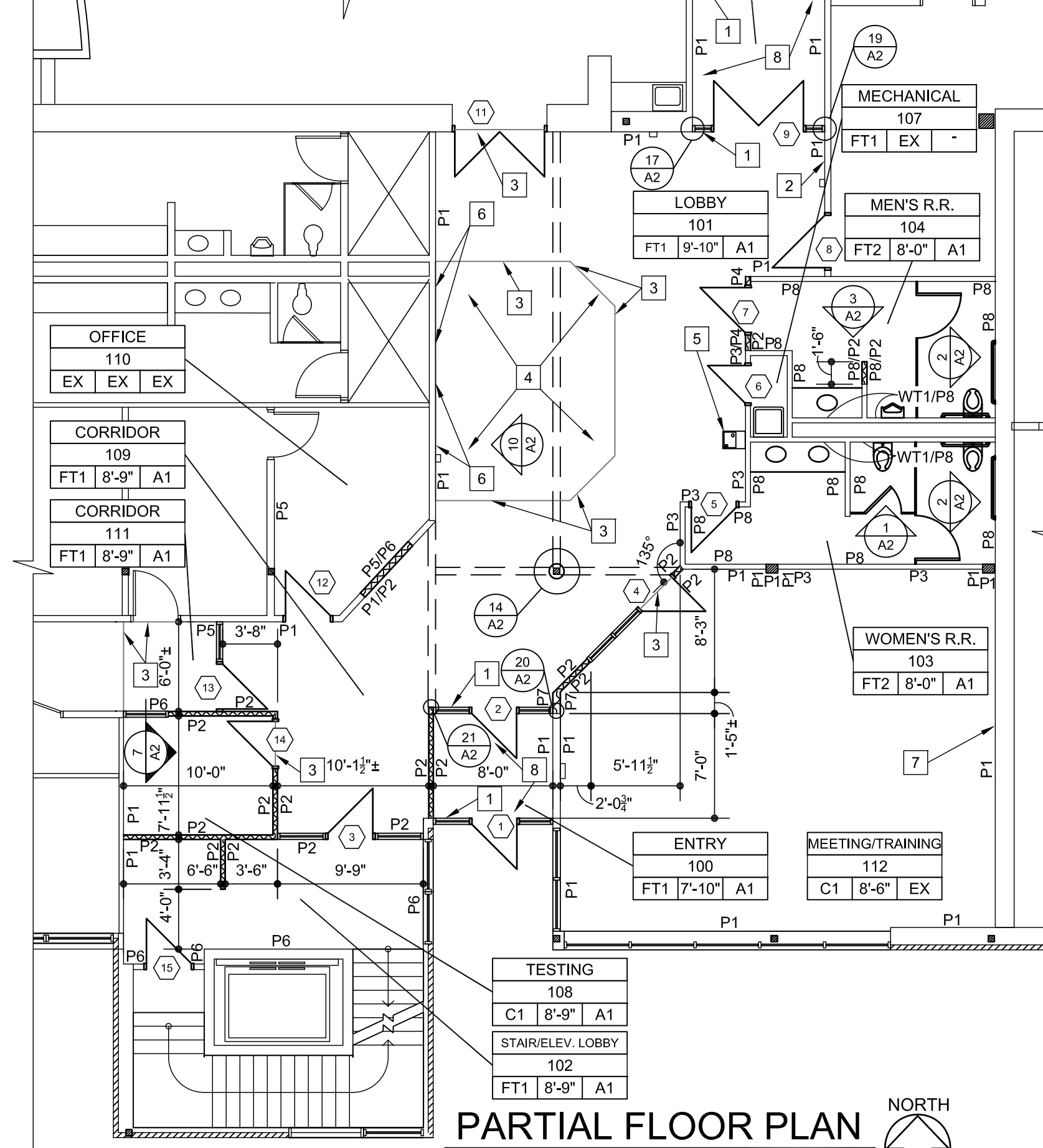
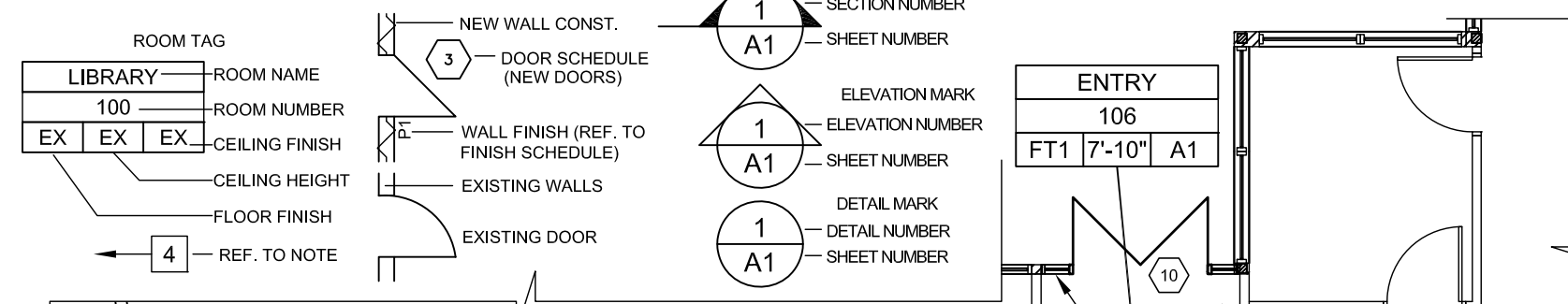
DEMOLITION PLAN GENERAL NOTES:

- a. AT ALL EXISTING CONSTRUCTION, CONTRACTOR TO PATCH AND REPAIR ANY DAMAGE CAUSED BY DEMOLITION WORK TO MATCH EXISTING CONDITIONS. PROTECT ADJACENT CONSTRUCTION AS REQUIRED DURING DEMOLITION WORK.
- b. OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL DEMOLISHED MATERIALS.
- c. CONTRACTOR TO FIELD VERIFY ALL EXISTING MEASUREMENTS AND CONDITIONS. NOTIFY THE ARCHITECT/OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.



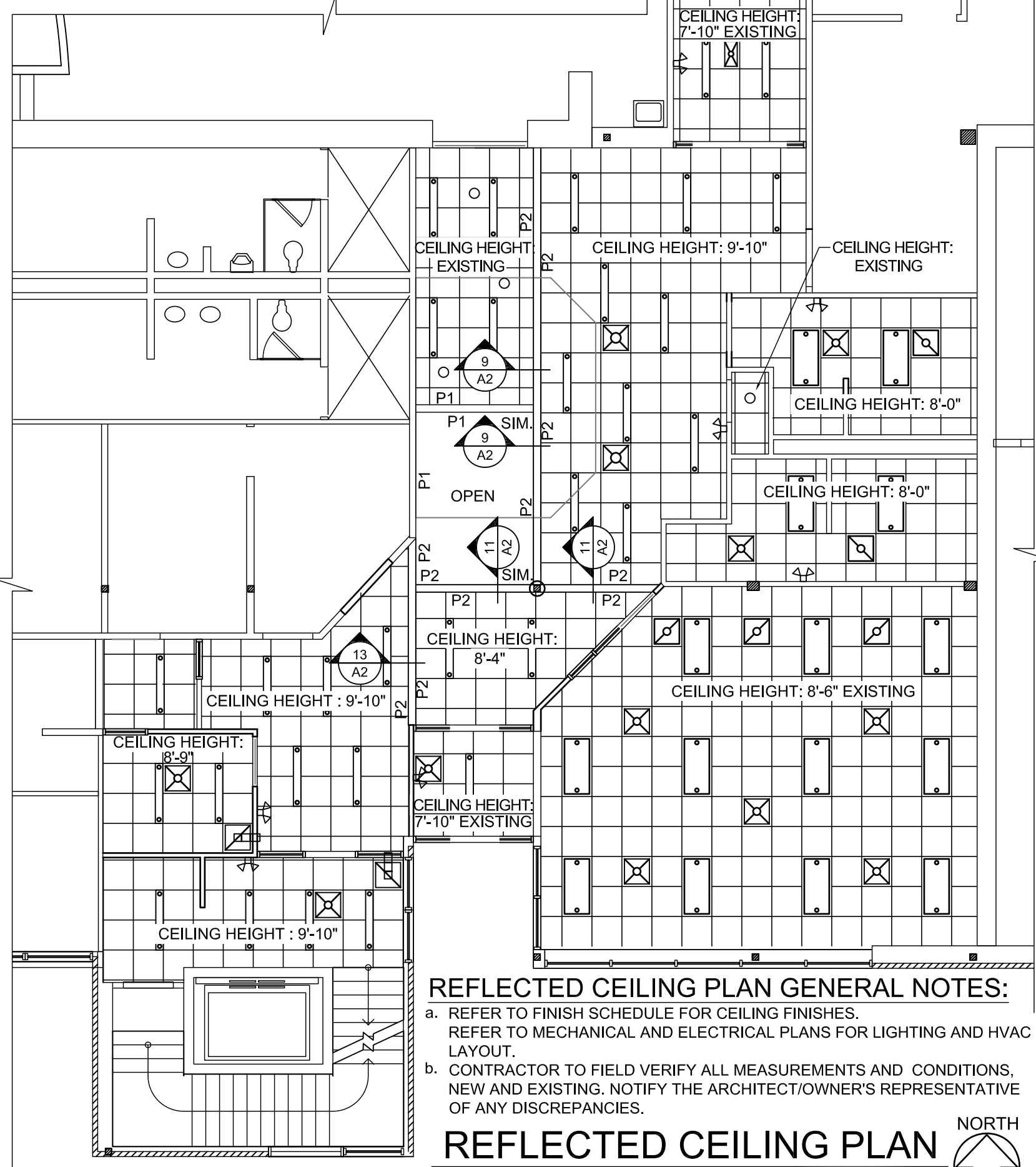
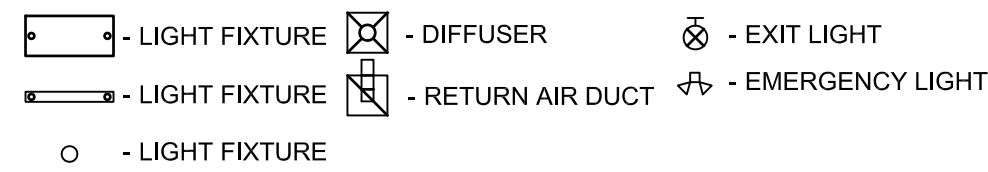
PARTIAL DEMOLITION PLAN
1/8" = 1'-0"

SYMBOL LEGEND:



PARTIAL FLOOR PLAN
1/8" = 1'-0"

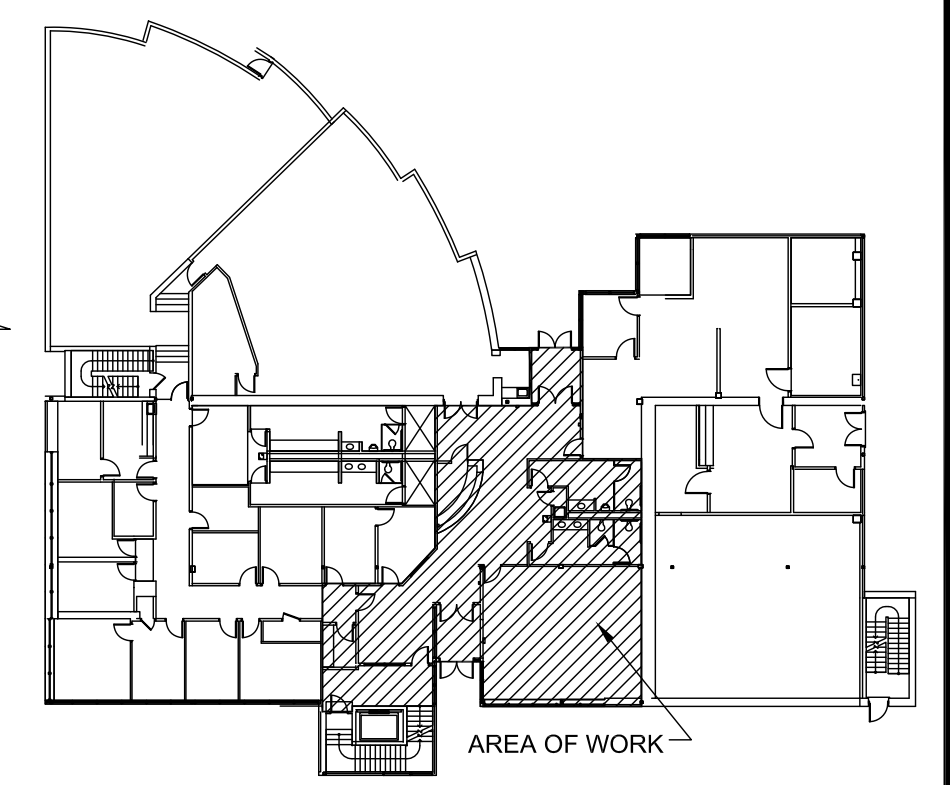
REFLECTED CEILING LEGEND:



REFLECTED CEILING PLAN GENERAL NOTES:

- a. REFER TO FINISH SCHEDULE FOR CEILING FINISHES. REFER TO MECHANICAL AND ELECTRICAL PLANS FOR LIGHTING AND HVAC LAYOUT.
- b. CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND CONDITIONS, NEW AND EXISTING. NOTIFY THE ARCHITECT/OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.

REFLECTED CEILING PLAN
1/8" = 1'-0"



KEY PLAN
N.T.S.

BUILDING CODE INFORMATION

GENERAL INFORMATION
 USE GROUP = BUSINESS "B" (NO CHANGE IN USE)
 CONSTRUCTION TYPE = II-B (FULLY SPRINKLED)

BUILDING CODES
 BUILDING CODE = 2018 INTERNATIONAL EXISTING BUILDING CODE - ALTERATION LEVEL 2
 MECHANICAL CODE = 2018 INTERNATIONAL MECHANICAL CODE
 ELECTRICAL CODE = 2017 NATIONAL ELECTRICAL CODE
 FIRE CODE = 2018 INTERNATIONAL FIRE CODE
 FUEL GAS CODE = 2018 INTERNATIONAL FUEL GAS CODE
 ACCESSIBILITY CODE = 2017 ANSI/ICC A117.1

OCCUPANCY LOAD SUMMARY

AREA OF WORK = 2,404 / 150
 GROSS = 17

PARKING SUMMARY

NO CHANGE IN USE - NO CHANGE IN PARKING

DEFERRED SUBMITTAL

SPRINKLER PLANS

DEMOLITION KEY NOTES:

- A** REMOVE AND DISCARD PORTION OF EXISTING WALL. PROTECT ADJACENT CONSTRUCTION AS REQUIRED. PATCH AND REPAIR ADJACENT CONSTRUCTION AS REQUIRED TO MATCH EXISTING.
- B** REMOVE AND DISCARD EXISTING DOOR, FRAME, AND HARDWARE. PROTECT ADJACENT CONSTRUCTION AS REQUIRED.
- C** REMOVE AND DISCARD EXISTING CEILING, CEILING TILE AND GRID. PROTECT ADJACENT CONSTRUCTION AS REQUIRED. PATCH AND REPAIR ADJACENT CONSTRUCTION AS REQUIRED TO MATCH EXISTING.
- D** REMOVE AND DISCARD EXISTING WINDOW. PROTECT ADJACENT CONSTRUCTION AS REQUIRED. PATCH AND REPAIR ADJACENT CONSTRUCTION AS REQUIRED TO MATCH EXISTING.
- E** REMOVE AND DISCARD EXISTING CATCH AND WALL BASE (VINYL). PATCH AND REPAIR ADJACENT CONSTRUCTION AS REQUIRED TO MATCH EXISTING.
- F** REMOVE AND DISCARD EXISTING FLOOR TILE AND WALL BASE. PROTECT ADJACENT CONSTRUCTION AS REQUIRED. PATCH AND REPAIR ADJACENT CONSTRUCTION AS REQUIRED TO MATCH EXISTING.
- G** EXISTING DOOR TO REMAIN. PROTECT AS REQUIRED.
- H** EXISTING WINDOW TO REMAIN. PROTECT AS REQUIRED.
- I** REMOVE AND DISCARD EXISTING SOFFIT. PATCH AND REPAIR ADJACENT CONSTRUCTION AS REQUIRED TO MATCH EXISTING.
- J** REMOVE AND SALVAGE EXISTING DRINKING FOUNTAIN. PROTECT AS REQUIRED. RE-INSTALL AT SAME LOCATION. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
- K** EXISTING MOP SINK TO REMAIN. PROTECT AS REQUIRED.
- L** REMOVE AND DISCARD EXISTING STOREFRONT SYSTEM, GLASS DOOR AND HARDWARE. PATCH AND REPAIR ADJACENT CONSTRUCTION AS REQUIRED TO MATCH EXISTING.
- M** REMOVE AND DISCARD EXISTING CONSTRUCTION INCLUDING, TOILET PARTITIONS, GRAB BARS AND MILLWORK, TO ALLOW FOR NEW CONSTRUCTION. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
- N** REMOVE AND DISCARD EXISTING MILLWORK AND COUNTER TOP. PATCH AND REPAIR ADJACENT CONSTRUCTION AS REQUIRED TO MATCH EXISTING.
- O** REMOVE AND SALVAGE EXISTING DOOR ADA OPERATOR. RE-INSTALL AT NEW DOORS no. 1 AND 3.
- P** REMOVE AND DISCARD EXISTING WALL TILE AND DRYWALL FROM ALL WALLS SHOWN TO REMAIN IN ROOM. PATCH AND REPAIR ADJACENT CONSTRUCTION AS REQUIRED TO MATCH EXISTING.
- Q** REMOVE AND DISCARD EXISTING RECESSED CARPET FLOORING. FILL AND PREPARE FOR NEW FLOORING.
- R** REMOVE AND SALVAGE ALL BATHROOM ACCESSORIES AND RETURN TO OWNER.
- S** REMOVE AND DISCARD EXISTING SINK. SALVAGE SENSOR FAUCET TO RE-INSTALL WITH NEW SINK. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
- T** REMOVE AND SALVAGE WALL HUNG WATER CLOSETS, URINAL AND SENSOR CONTROLS. RE-INSTALL AS SHOWN ON PLANS. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
- U** EXISTING CARPET TO REMAIN. PROTECT AS REQUIRED.
- V** EXISTING SOFFIT TO REMAIN. PROTECT AS REQUIRED.
- W** REMOVE AND DISCARD EXISTING DOOR. EXISTING FRAME TO REMAIN. PROTECT AS REQUIRED.

FLOOR PLAN KEY NOTES:

- 1 PROVIDE AND INSTALL TACTILE EXIT SIGNS COMPLYING WITH ICC A117.1. MOUNTED ON WINDOW AT 40" A.F.F. MEASURED TO BASELINE OF LOWEST CHARACTERS.
- 2 REMOVE AND RE-INSTALL EXISTING FIRE EXTINGUISHER AND CABINET TO BE MOUNTED AT 4'-0" ABOVE FINISH FLOOR TO THE TOP OF THE HANDLE. VERIFY EXACT WALL AND LOCATION WITH OWNER.
- 3 PROVIDE AND INSTALL FLOOR TRANSITION STRIP BETWEEN DIFFERENT FLOOR MATERIALS. FLOOR SHALL BE FLUSH BETWEEN DIFFERENT FLOORING. SEE DETAIL 6/A2.
- 4 PROVIDE AND INSTALL NEW CARPET TILE (C1) PER FINISH SCHEDULE. REFER TO 22/A2
- 5 RE-INSTALL SALVAGED DRINKING FOUNTAIN.
- 6 PROVIDE AND INSTALL WOOD BLOCKING FOR ACOUSTICAL WALL PANELS AND FRAMED IMAGES TO BE PROVIDED BY OWNER. VERIFY EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. REFER TO INTERIOR ELEVATION 10/A2.
- 7 PROVIDE AND INSTALL WOOD BLOCKING FOR OWNER PROVIDED TV. VERIFY EXACT WALL AND LOCATION WITH OWNER.
- 8 FILL VOID FLOORING WITH 1/2" TO 1" SELF LEVELING FLOOR CRETE EQUAL TO MAPEI ULTRAPLAN 1 PLUS SELF LEVELING UNDERLAYMENT. PREPARE FOR NEW FLOORING.

FLOOR PLAN GENERAL NOTES:

- a. ALL NEW INTERIOR WALLS TO EXTEND TO 6" ABOVE CEILING UNLESS NOTED OTHERWISE.
- b. ALL NEW INTERIOR WALLS TO RECEIVE 3 1/2" SOUND BATT INSULATION UNLESS NOTED OTHERWISE.
- c. ALL NEW INTERIOR WALLS ARE 3/8" 20 GAUGE METAL STUDS @ 16" O.C. UNLESS NOTED OTHERWISE.
- d. ALL DIMENSIONS ARE STUD TO STUD OR TO FACE OF EXISTING WALL.
- e. AT ALL EXISTING WALLS, GC TO PATCH AND REPAIR WALL DAMAGE CAUSED BY DEMOLITION WORK.
- f. BUILDING WILL BE OWNER OCCUPIED AT ALL TIMES. MAINTAIN EXITS AS REQUIRED.

FINISH SCHEDULE NOTES:

- BASE:**
NOTE: REMOVE AND DISCARD ALL EXISTING BASE AT WALLS SHOWN TO BE PAINTED.
- B1** = 4" JOHNSONITE VINYL BASE AT ALL NEW AND EXISTING WALLS SHOWN TO BE PAINTED, UNLESS OTHERWISE NOTED (STRAIGHT AT CARPET, COVE AT OTHER FLOORINGS). COLOR TO BE 29 MOON ROCK.
- B2** = PORCELAIN TILE COVE BASE AT ROOMS 103 AND 104. AMERICAN OLEAN, P-36C9TB COVE BASE, CROSSVILLE THEORETICAL, COLOR: LOGICAL GRAY TH95, SIZE: 6" X 12" X 5/16" THICK. GROUT COLOR: BOSKIT, DELOREAN GRAY H160.
- FLOORS:**
C1= CARPET: MANUFACTURER: SHAW CONTRACT, COLLECTION: SUITED, STYLE: CHECK TILE, ST281, COLOR DENIM 79485, SIZE: 12" X 24" X 5/16" THICK. INSTALLATION PATTERN STAGGERED (NORTH TO SOUTH). GROUT COLOR: BOSKIT, DELOREAN GRAY H160.
FT1= PORCELAIN TILE: MANUFACTURER: AMERICAN OLEAN, CROSSVILLE THEORETICAL, COLOR: LOGICAL GRAY TH95, SIZE: 12" X 24" X 5/16" THICK. INSTALLATION PATTERN STAGGERED (NORTH TO SOUTH). GROUT COLOR: BOSKIT, DELOREAN GRAY H160.
FT2= PORCELAIN TILE: MANUFACTURER: AMERICAN OLEAN, CROSSVILLE THEORETICAL, COLOR: CREATIVE GRAY TH96, SIZE: 12" X 24" X 5/16" THICK. GROUT COLOR: BOSKIT, FRENCH GRAY H142. INSTALLATION PATTERN REFER TO 22/A2.

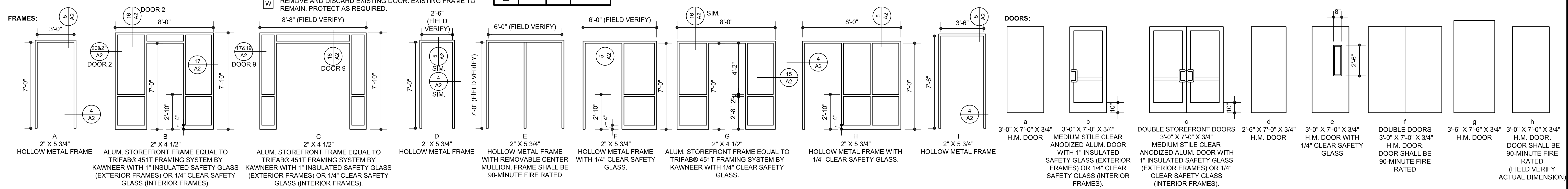
FINISH SCHEDULE NOTES (CONT.):

- CEILING:**
A1 = 2'-0" X 2'-0" X 5/8" STANDARD CEILING TILE AND 15/16" GRID.
- WALLS:**
P1 = CLEAN, PATCH AND REPAIR EXISTING WALL AS REQUIRED. PAINT IPS-11. COLOR TO BE SW 9165 GOSSAMER VEIL.
P2 = 5/8" GYPSUM BOARD OVER 3 5/8" METAL STUDS @ 16" O.C. PAINT IPS-11. COLOR TO BE SW 9165 GOSSAMER VEIL.
P3 = CLEAN, PATCH AND REPAIR EXISTING WALL AS REQUIRED. PAINT IPS-11. COLOR TO BE SW7017 DORIAN GRAY.
P4 = 5/8" GYPSUM BOARD OVER 3 5/8" METAL STUDS @ 16" O.C. PAINT IPS-11. COLOR TO BE SW 7017 DORIAN GRAY.
P5 = CLEAN, PATCH AND REPAIR EXISTING WALL AS REQUIRED. PAINT IPS-11. COLOR TO MATCH EXISTING.
P6 = 5/8" GYPSUM BOARD OVER 3 5/8" METAL STUDS @ 16" O.C. PAINT IPS-11. COLOR TO MATCH EXISTING.
P7 = 5/8" GYPSUM BOARD OVER 6" METAL STUDS @ 16" O.C. PAINT IPS-11. COLOR TO BE SW 9165 GOSSAMER VEIL.
P8 = 5/8" MOISTURE RESISTANCE GYPSUM BOARD OVER EXISTING METAL STUD. PAINT IPS-12. COLOR TO BE SW9165 GOSSAMER VEIL.
- WT1**= PORCELAIN TILE OVER 5/8" TILE BACKER BOARD OVER EXISTING WALL. TILE TO BE AMERICAN OLEAN, CROSSVILLE THEORETICAL, COLOR: CREATIVE GRAY TH96, SIZE: 12" X 24" X 5/16" THICK. GROUT COLOR: BOSKIT, FRENCH GRAY H142.
- SOLID SURFACE:**
SS1= MANUFACTURER: CORIAN® WITH INTEGRATED SINK. COLOR TO BE SILVER BIRCH. SINK COLOR TO BE WHITE.
- LAMINATE:**
PL1= PLASTIC LAMINATE TO BE WILSONART. COLOR DOVE GRAY D92-60

DOORS AND FRAME GENERAL NOTES:

- a. ALL HOLLOW METAL FRAMES TO BE PAINTED IPS-20 COLOR TO BE SW7018 DOVETAIL.
- b. ALL HOLLOW METAL STEEL DOORS TO BE EQUAL TO CURRISTAIN WOOD GRAIN STEEL DOORS. SMOOTH GRAIN, COLOR TO BE SELECTED BY OWNER.
- c. ALL ALUMINUM FRAMES AND DOOR TO BE CLEAR ANODIZED TO MATCH EXISTING.
- d. CONTRACTOR SHALL FIELD VERIFY ALL OPENINGS PRIOR TO ORDERING.

MARK	FRAME	DOOR	HARDWARE
1	B	b	#1
2	B	b	#1
3	G	b	#2
4	H	a	#9
5	A	a	#4
6	D	d	#5
7	A	a	#4
8	I	g	#6
9	C	c	#7
10	C	c	#7
11	E	f	#8
12	A	e	#9
13	F	e	#3
14	A	e	#9
15	EX	h	#5



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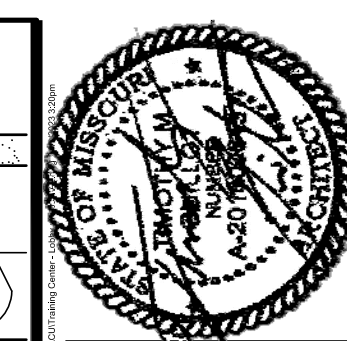
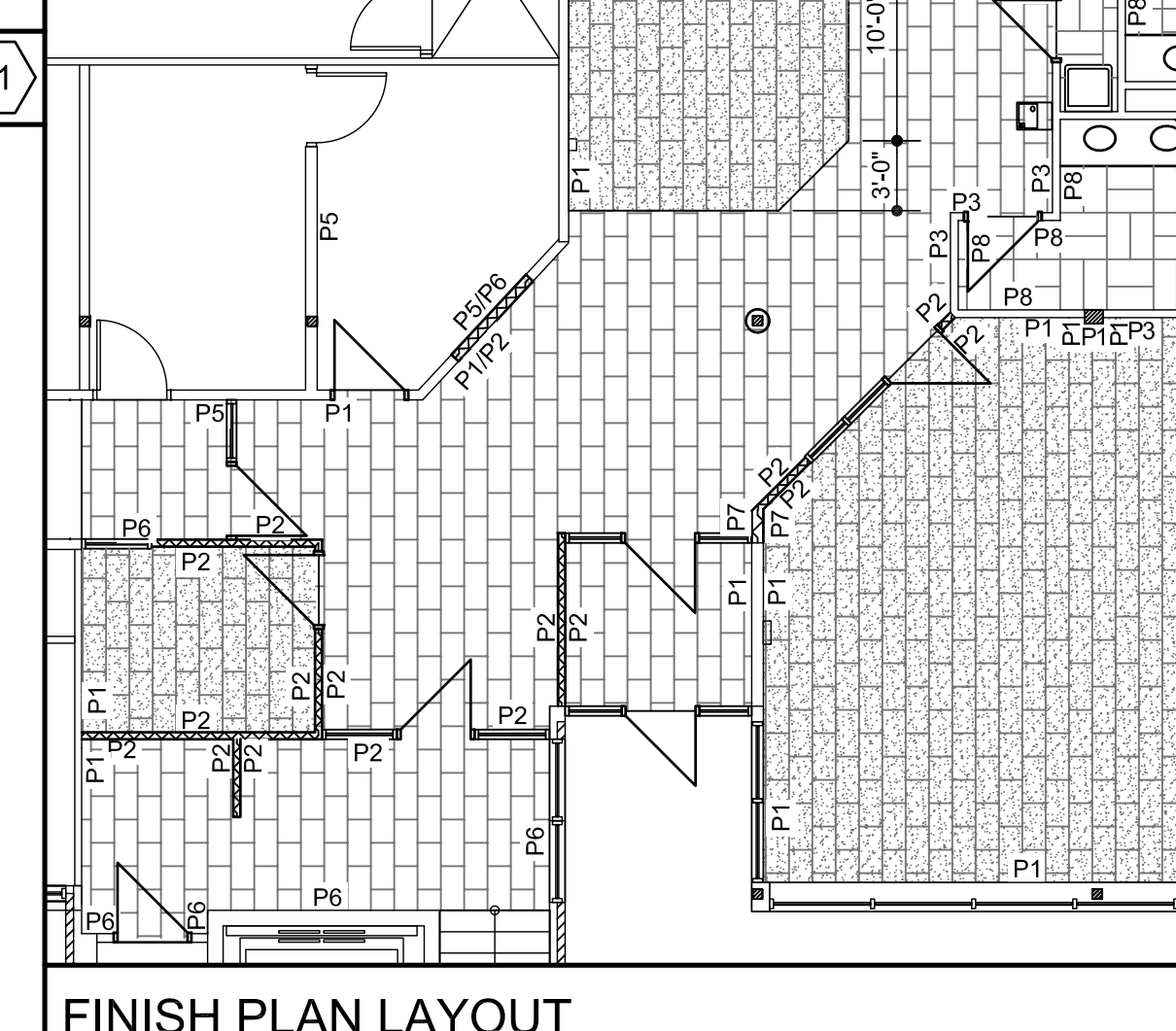
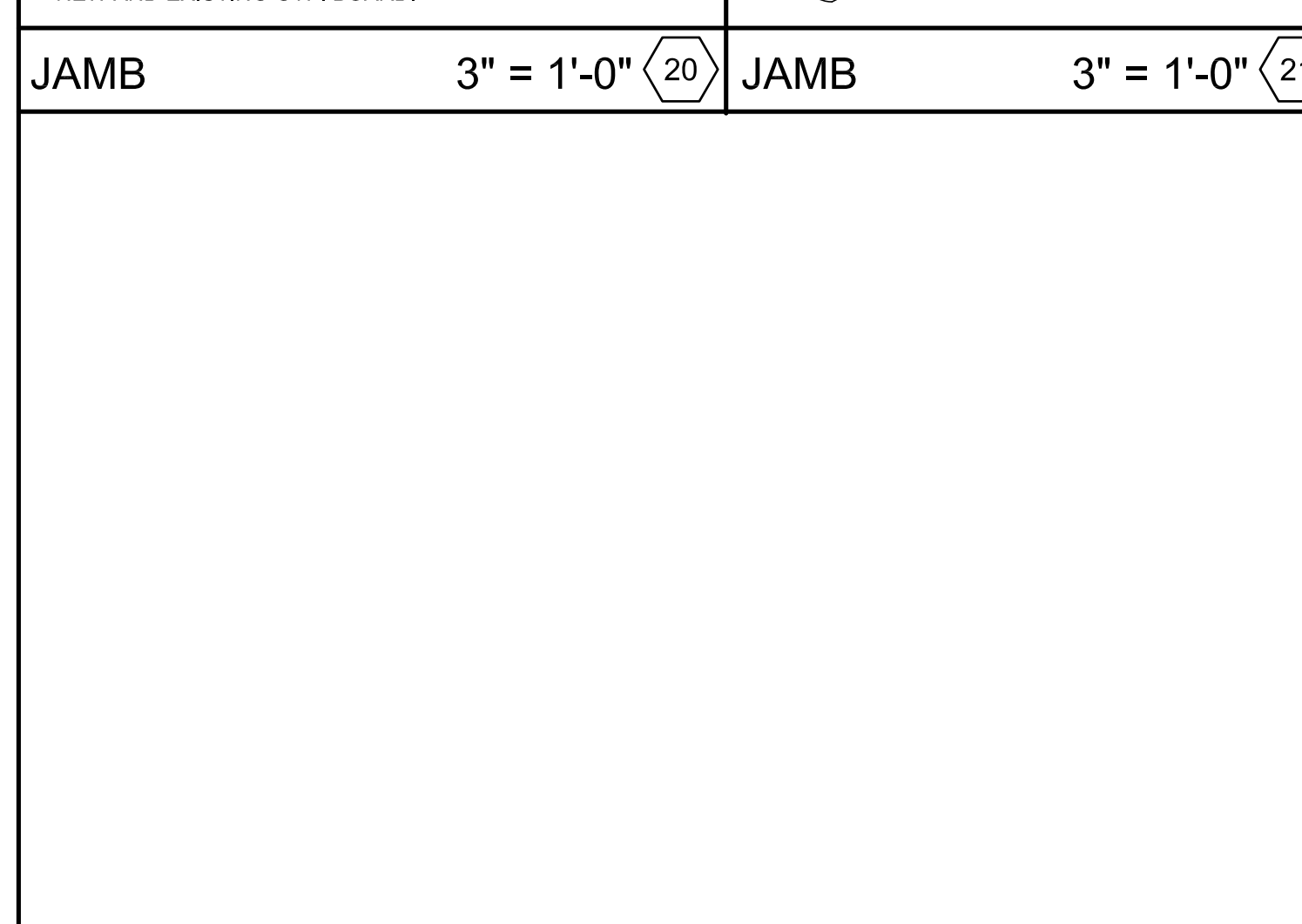
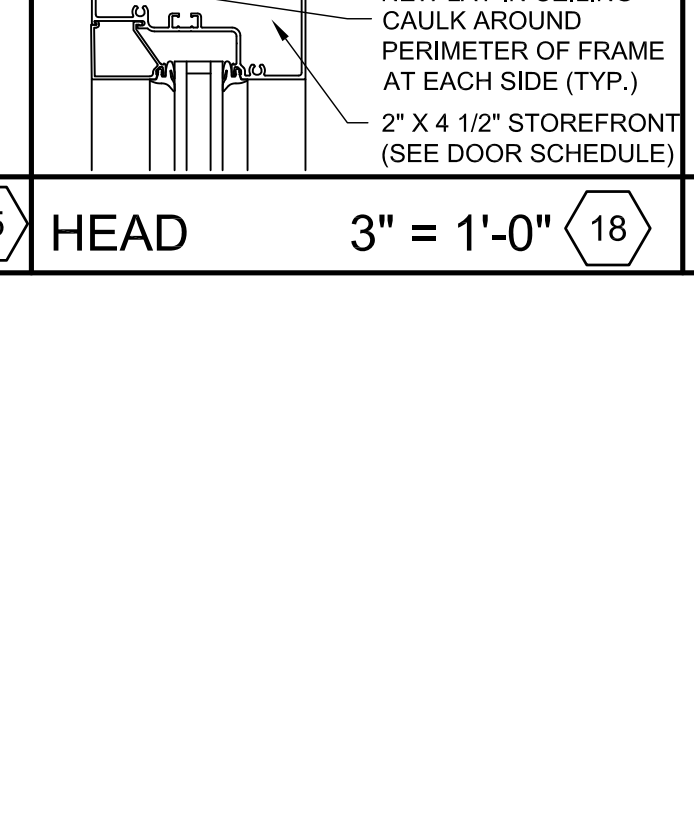
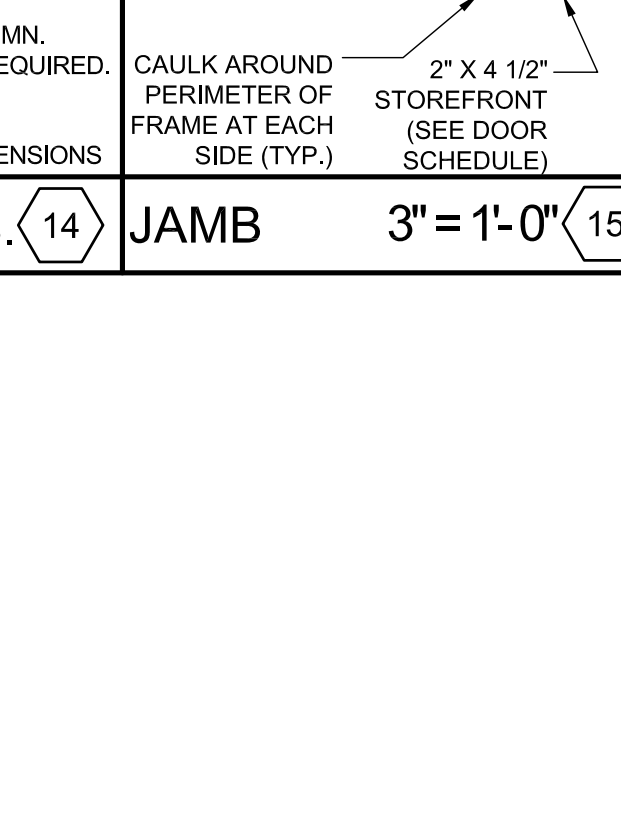
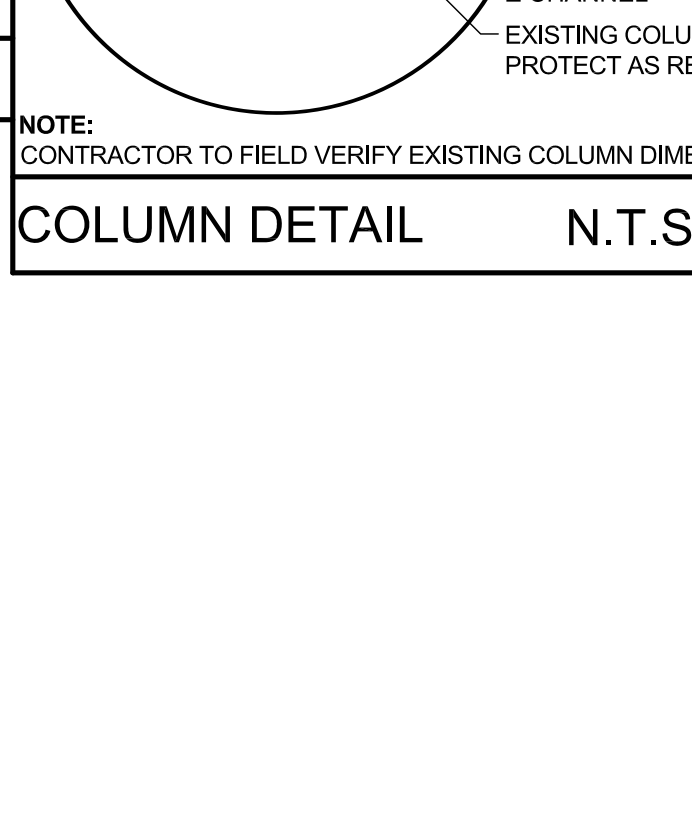
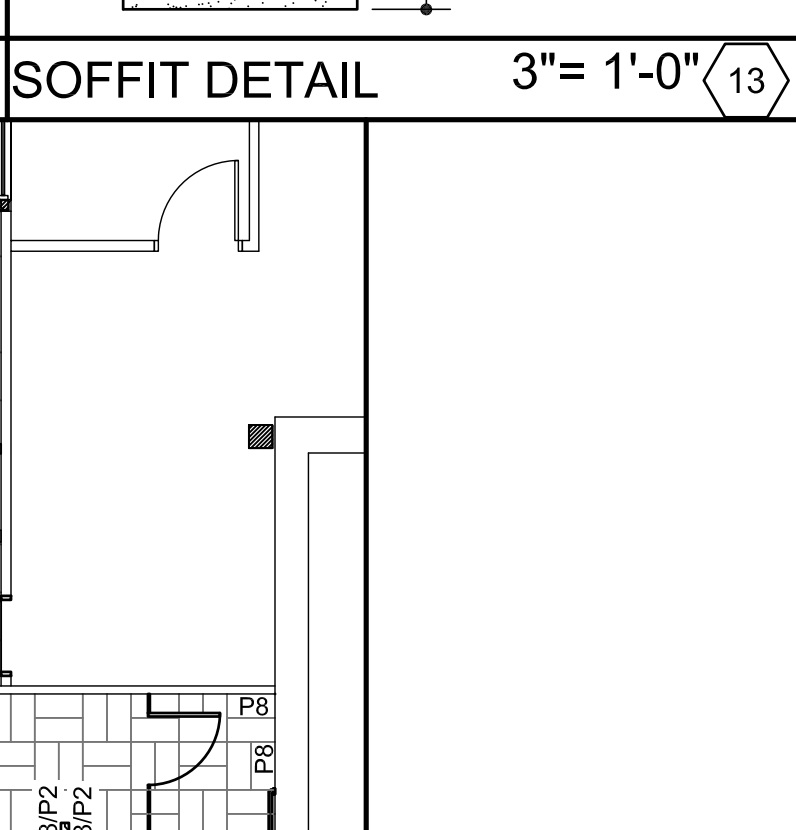
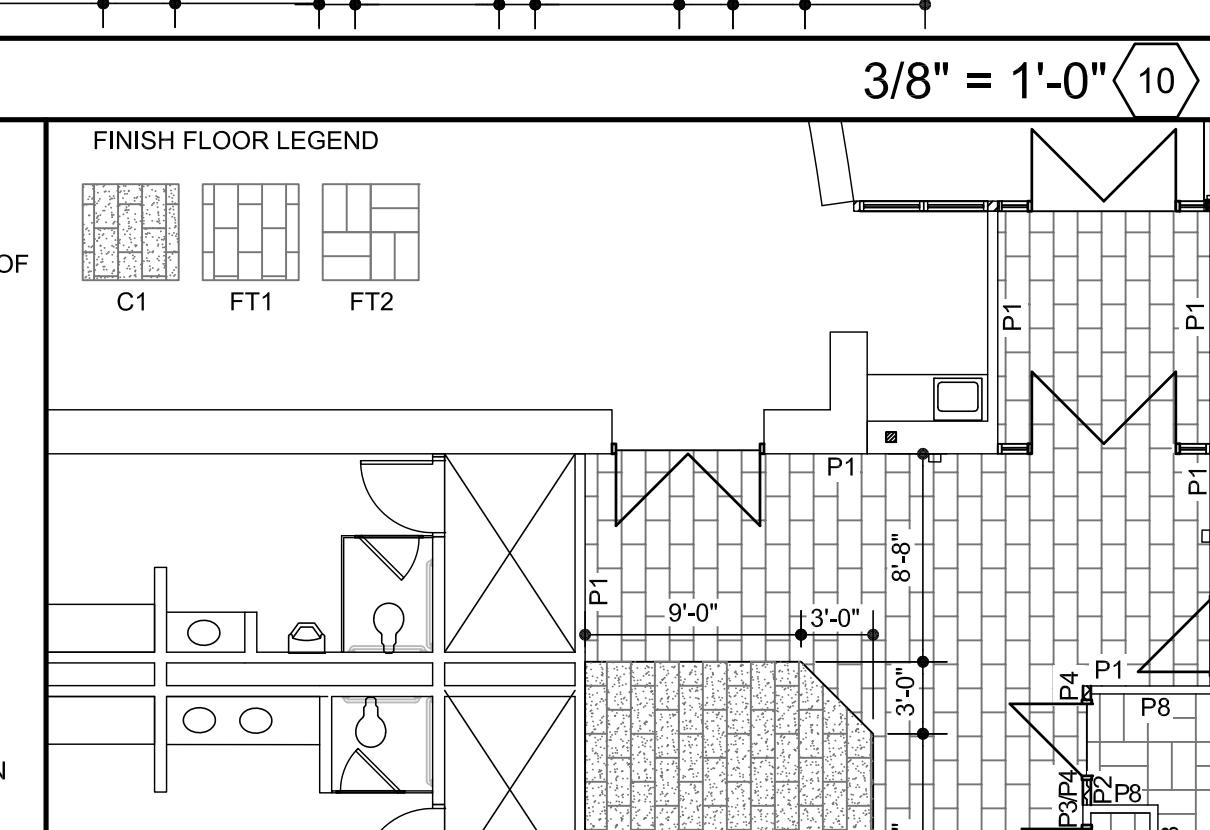
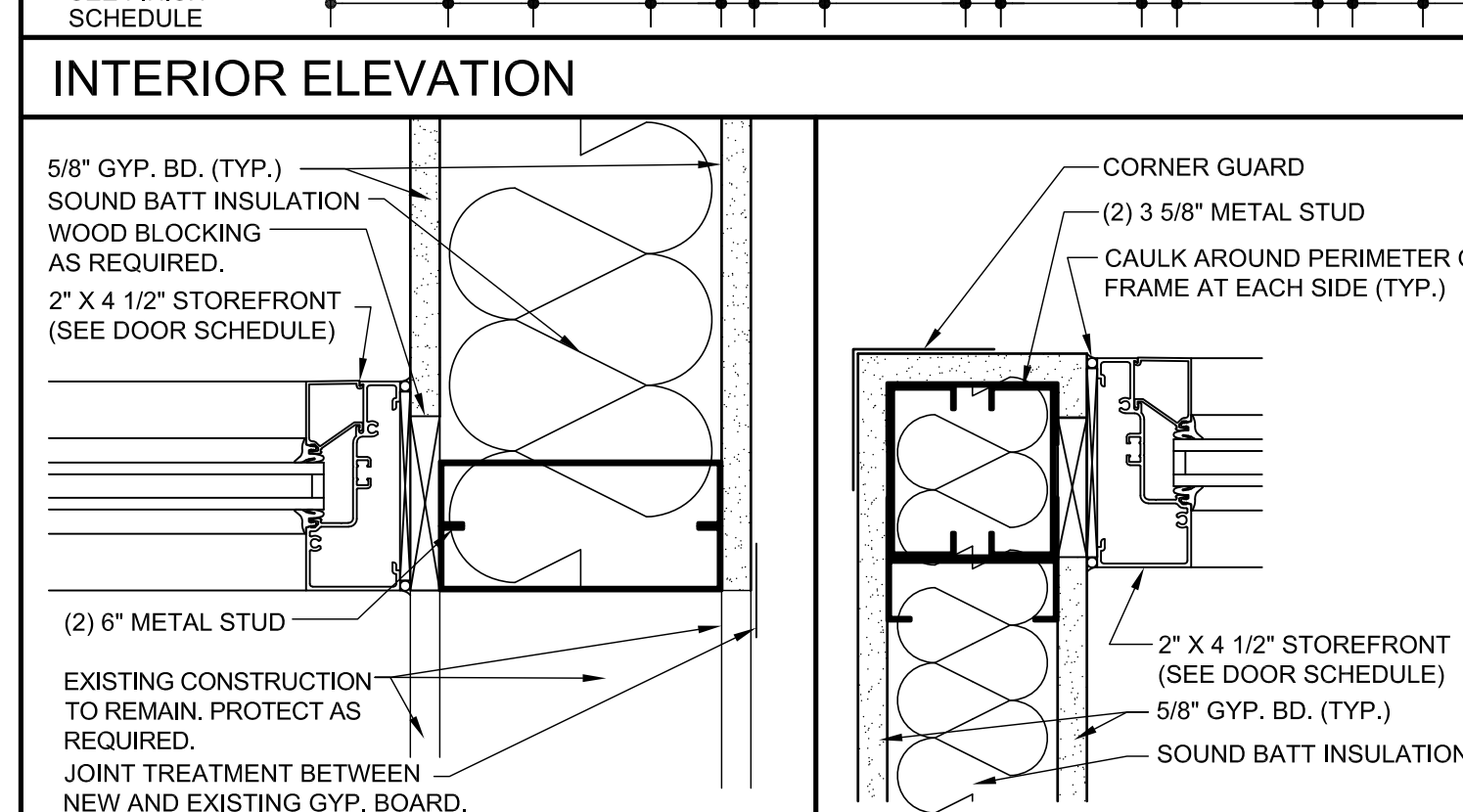
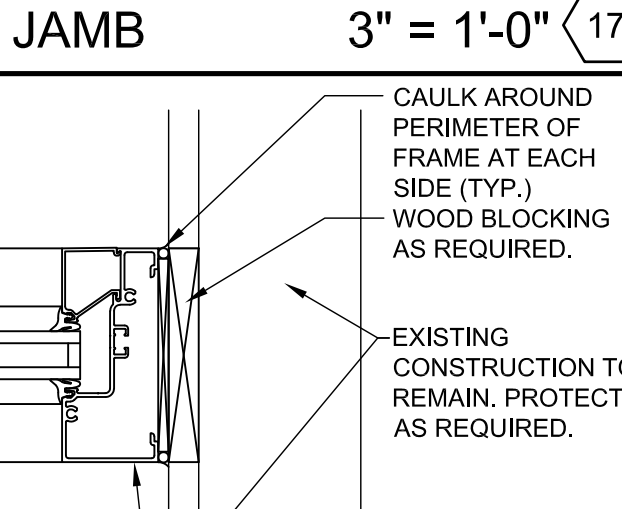
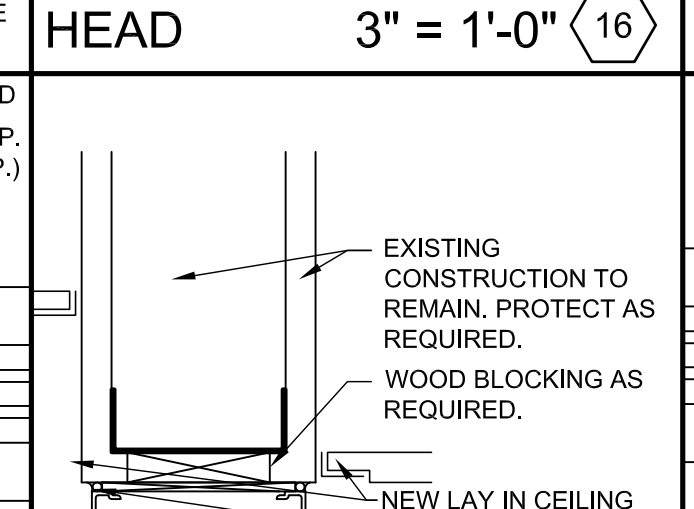
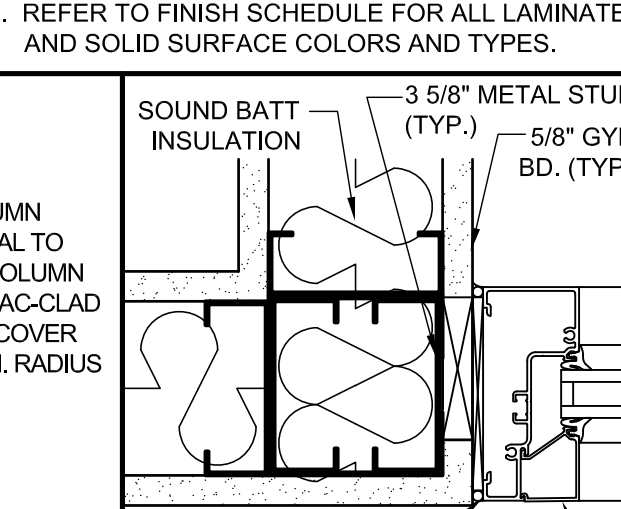
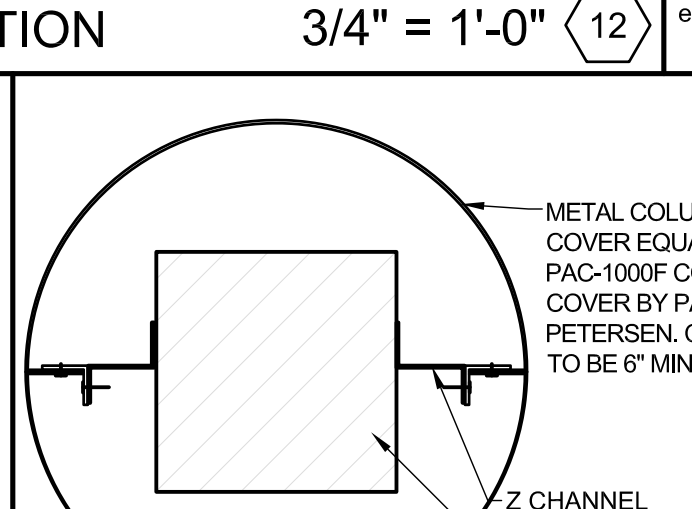
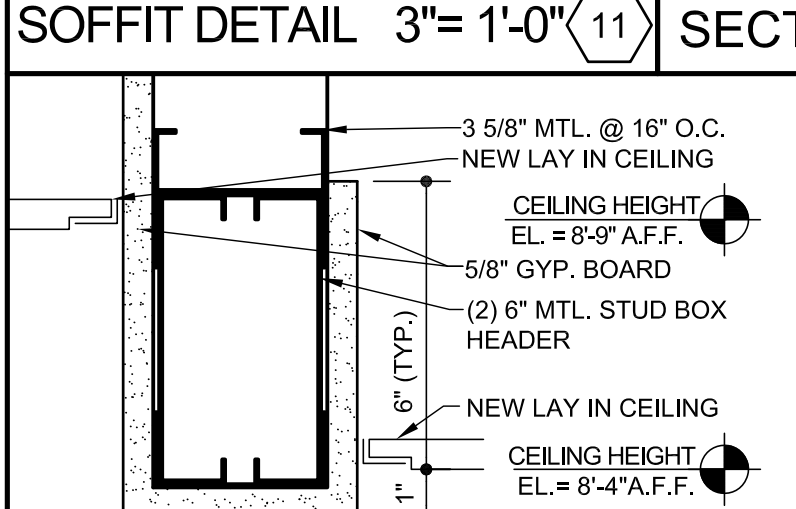
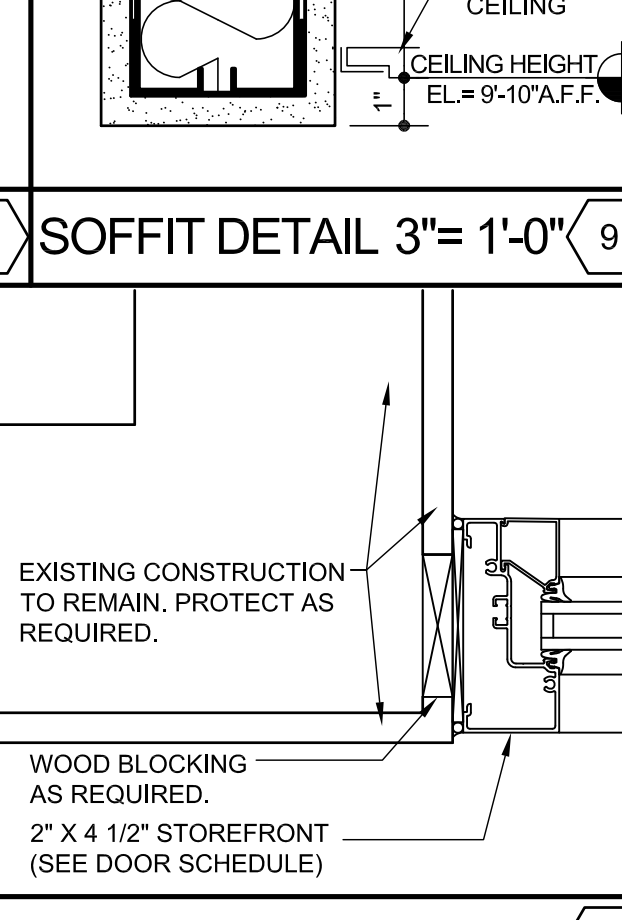
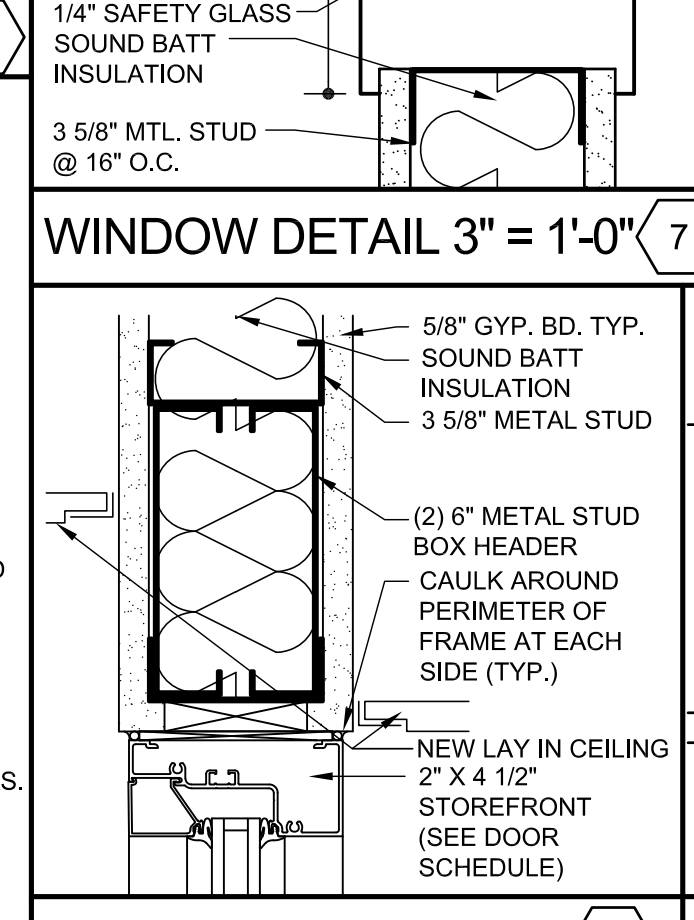
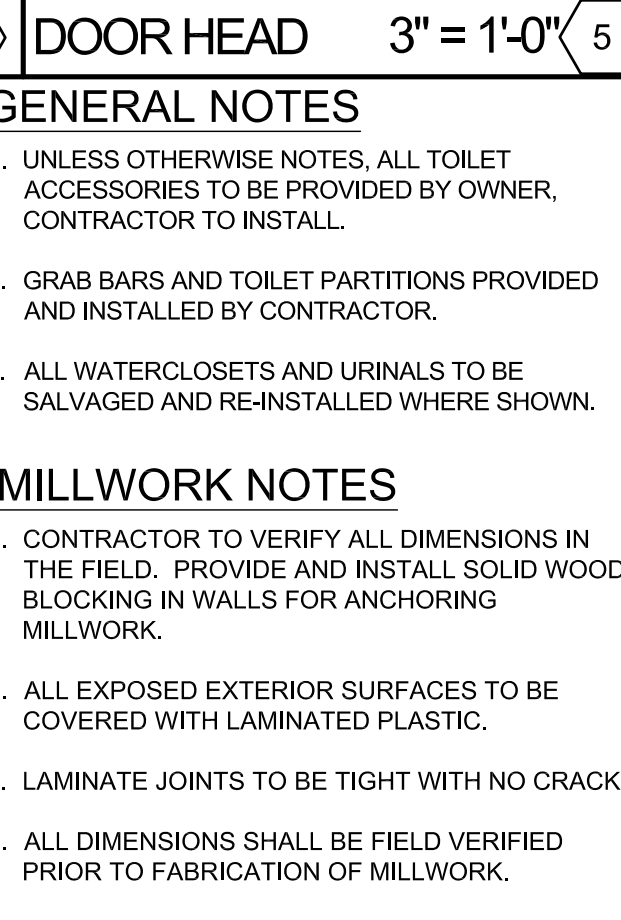
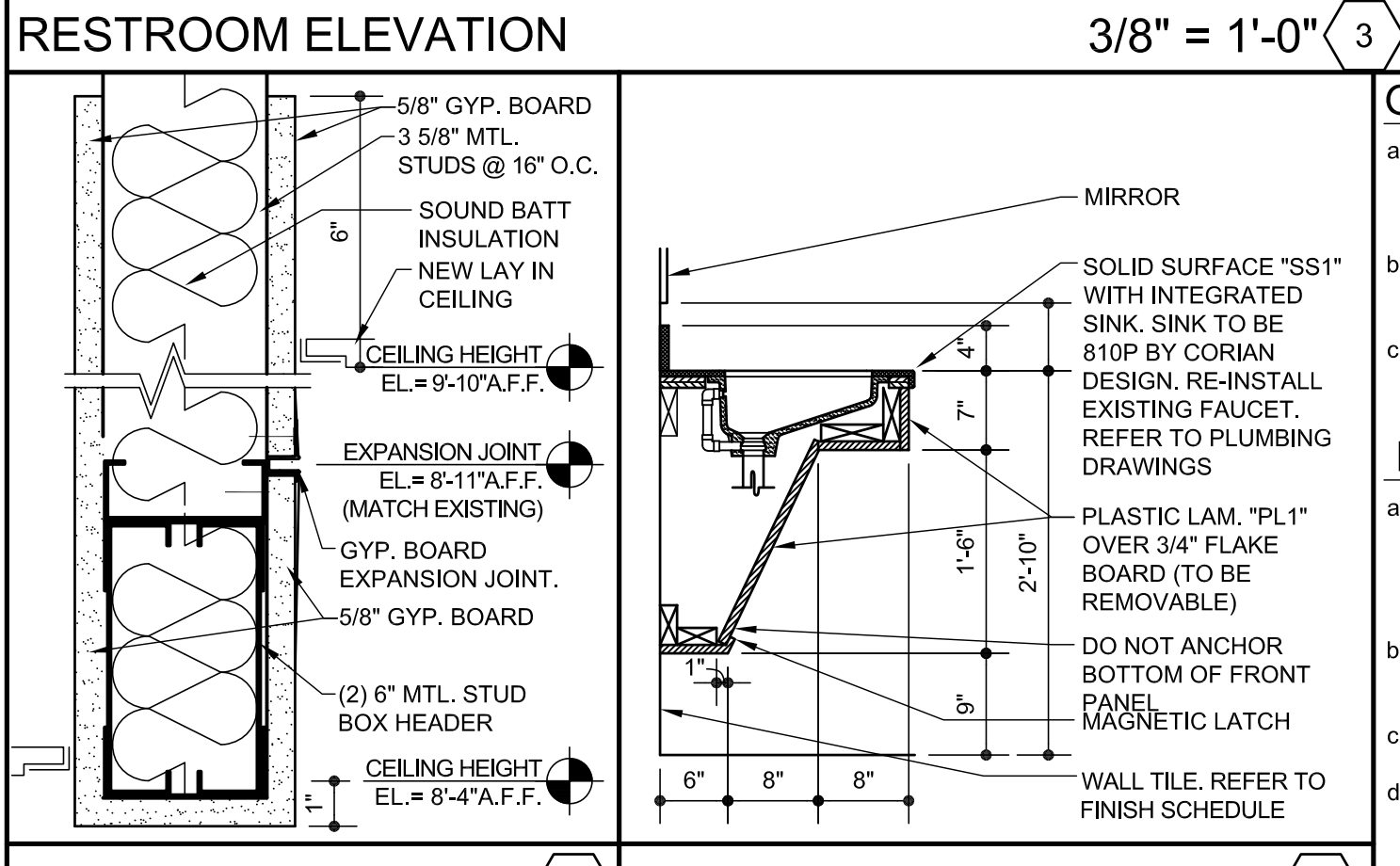
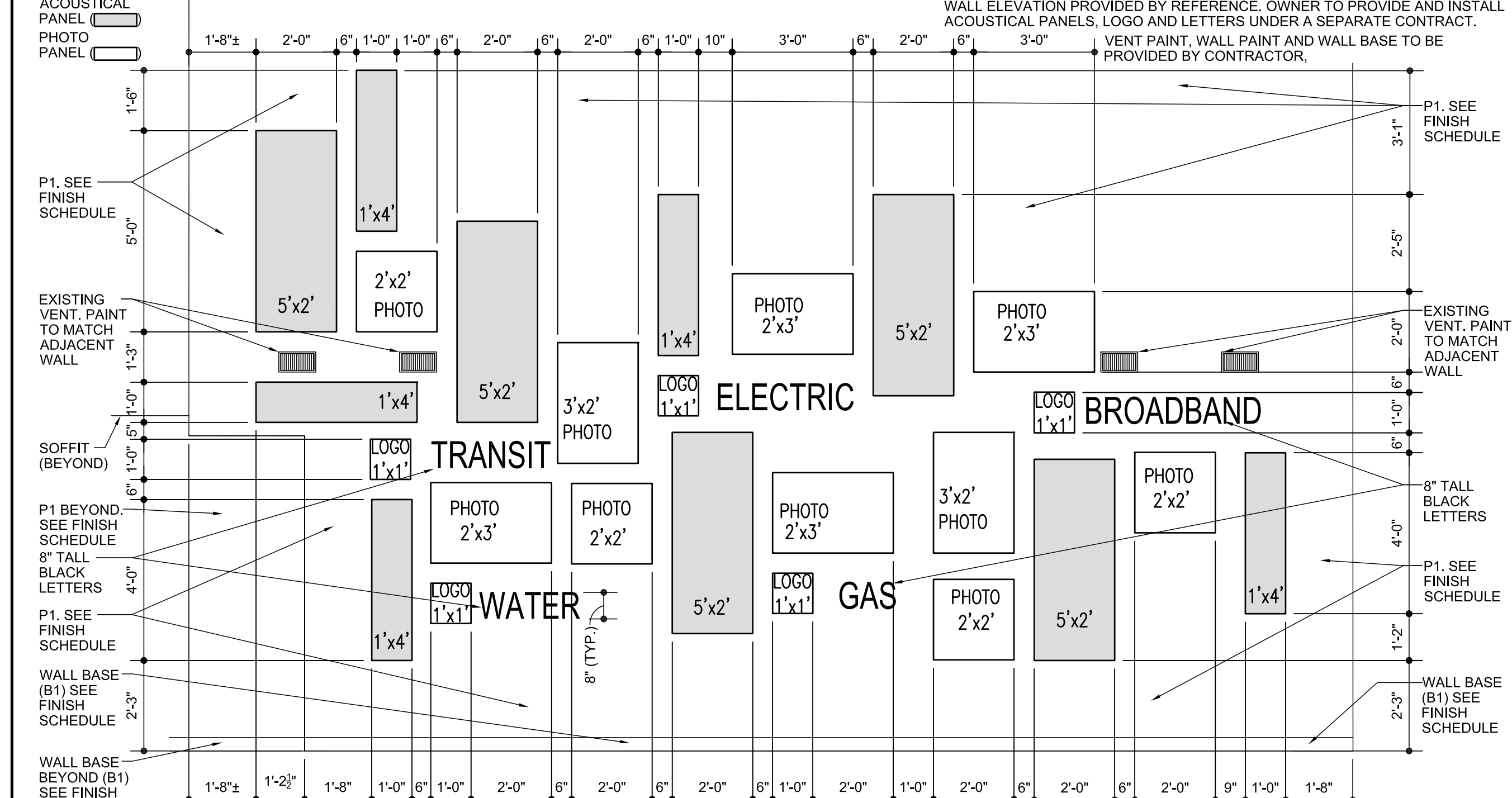
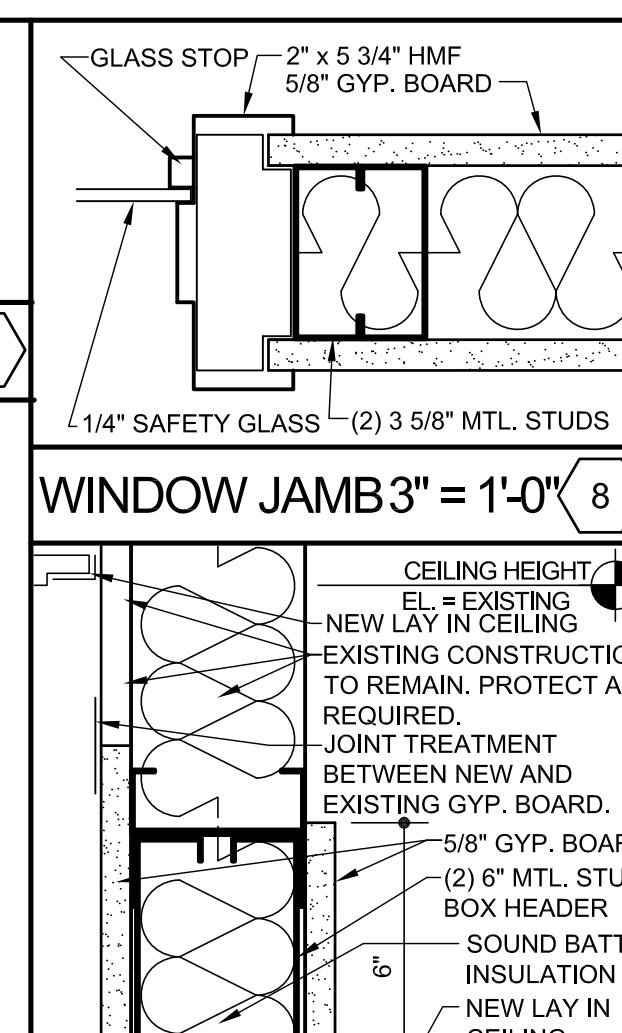
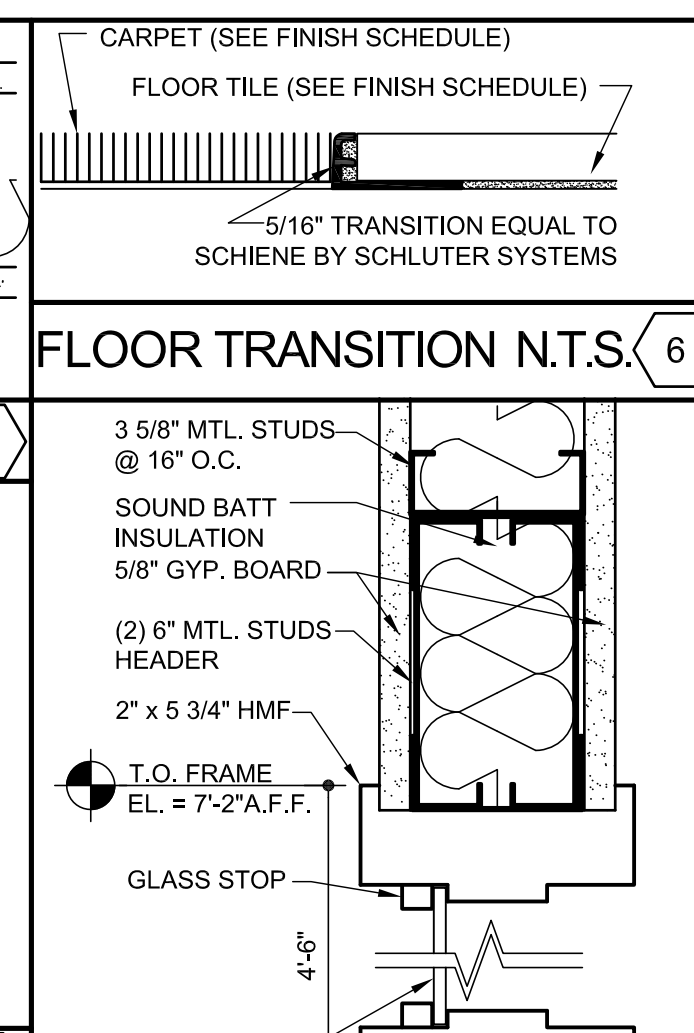
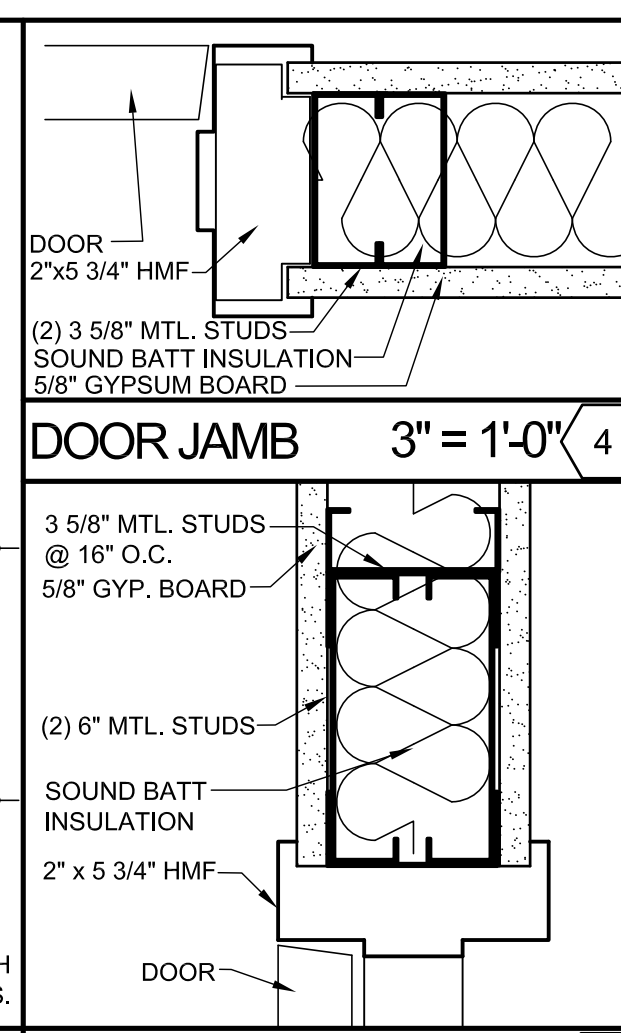
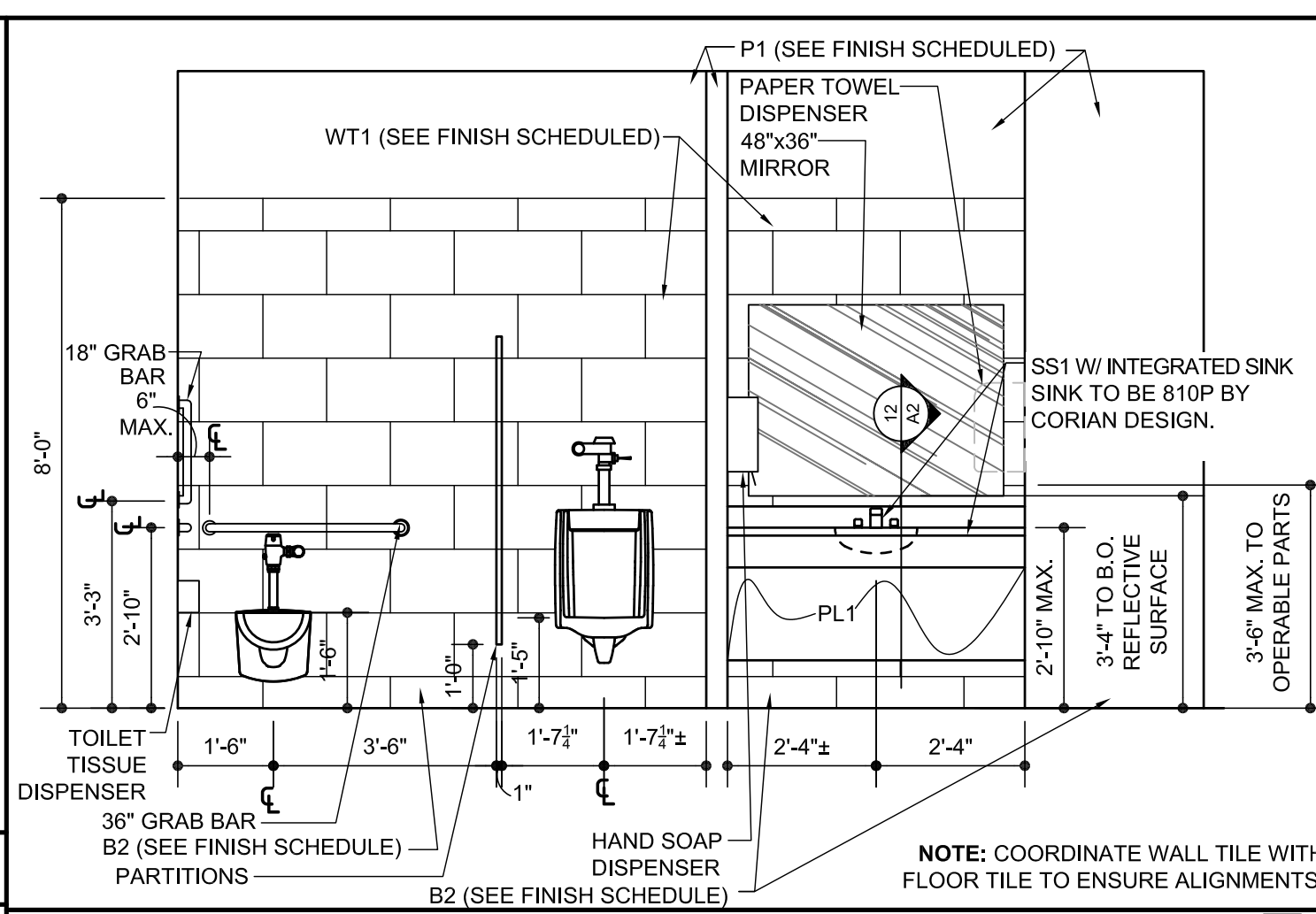
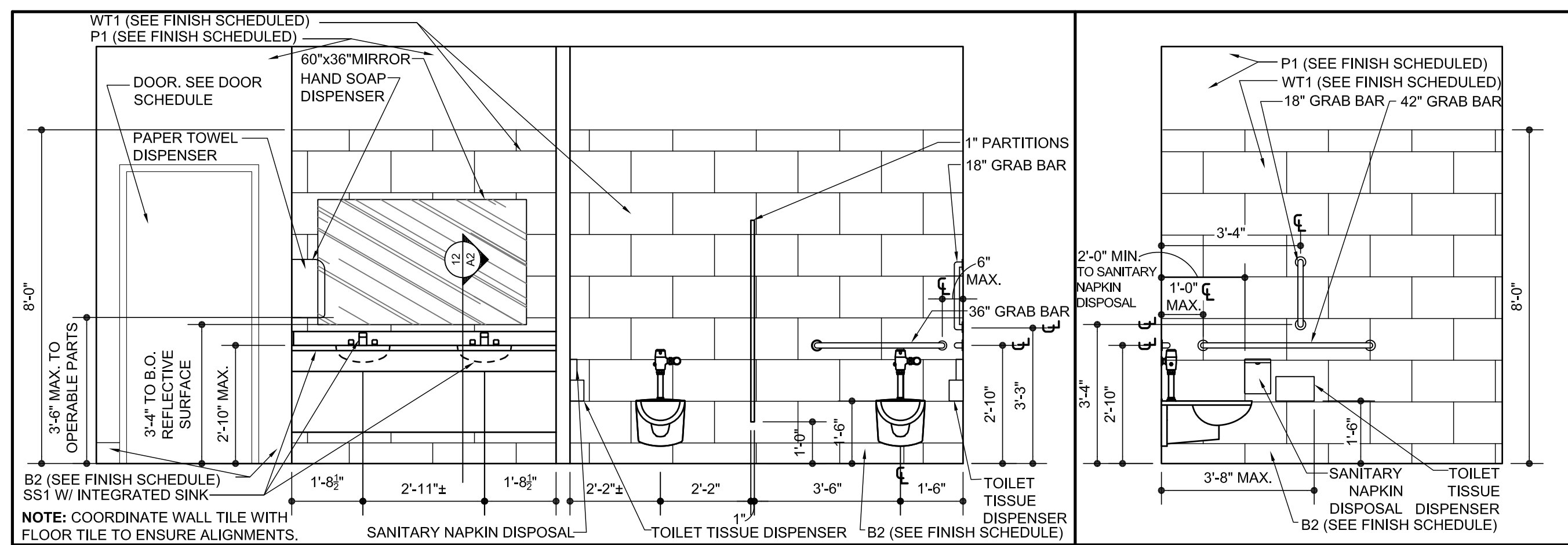
ESTERLY & SCHNEIDER ASSOCIATES, INC.
 AIA architects & planners

LOBBY RENOVATION FOR TRAINING CENTER
 301 EAST CENTRAL ST.
 SPRINGFIELD, MO 65802



COMM # 4687

DATE: 4-10-23
 REVISION DATE:



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ESTERYL SCHNEIDER & ASSOCIATES, INC.
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MECHANICAL SYMBOLS-

—	DOMESTIC COLD WATER
—	DOMESTIC HOT WATER
—	DOMESTIC HOT WATER RETURN
—	TEMPERED WATER
—	CHILLED DRINKING WATER
—	WASTE PIPING - ABOVE FLOOR
—	WASTE PIPING - BELOW FLOOR
—	ROOF DRAIN - ABOVE FLOOR
—	ROOF DRAIN - BELOW FLOOR
—	ACID WASTE - ABOVE FLOOR
—	ACID WASTE - BELOW FLOOR
—	GREASE WASTE - ABOVE FLOOR
—	GREASE WASTE - BELOW FLOOR
—	ACID VENT
—	VENT PIPING
—	DRAIN
—	COMPRESSED AIR
—	NATURAL GAS
—	VACUUM
—	OXYGEN
—	LIQUEFIED PETROLEUM GAS
—	NITROUS OXIDE
—	WATER SERVICE
—	FIRE SERVICE
—	STANDPIPE
—	FIRE SPRINKLER
—	HIGH PRESSURE STEAM SUPPLY
—	HIGH PRESSURE STEAM RETURN
—	MEDIUM PRESSURE STEAM SUPPLY
—	MEDIUM PRESSURE STEAM RETURN
—	LOW PRESSURE STEAM SUPPLY
—	LOW PRESSURE STEAM RETURN
—	CONDENSATE PUMP DISCHARGE
—	FEEDWATER PUMP DISCHARGE
—	HWS HOT WATER HEATING SUPPLY
—	HWR HOT WATER HEATING RETURN
—	FOR FUEL OIL RETURN
—	FOG FUEL OIL GAGE LINE
—	FOS FUEL OIL SUPPLY
—	FOV FUEL OIL VENT
—	HTWS HIGH TEMPERATURE WATER SUPPLY
—	HTWR HIGH TEMPERATURE WATER RETURN
—	CWS CHILLED WATER SUPPLY
—	CWR CHILLED WATER RETURN
—	CHS CHILLED / HOT WATER SUPPLY
—	CHR CHILLED / HOT WATER RETURN
—	C CONDENSER WATER SUPPLY
—	CR CONDENSER WATER RETURN
—	HPS HEAT PUMP SUPPLY
—	HPR HEAT PUMP RETURN
—	RL REFRIGERANT LIQUID
—	RD REFRIGERANT DISCHARGE (HOT GAS)
—	RS REFRIGERANT SUCTION
—	RDB REFRIGERANT DISCHARGE BYPASS
—	IN INTAKE PIPING
—	EX EXHAUST PIPING
—	SHUT-OFF VALVE
—	CHECK VALVE
—	BALANCING VALVE W/ PRESSURE PORTS
—	TRIPLE DUTY VALVE W/ PRESSURE PORTS
—	STRAINER
—	RELIEF VALVE
—	AUTOMATIC FLOW CONTROL VALVE
—	MOTORIZED VALVES
—	TEMPERATURE REGULATING VALVE
—	SOLENOID VALVE
—	PRESSURE REDUCING VALVE
—	PIPE ANCHOR
—	SLIDING EXPANSION JOINT
—	BELLOWS EXPANSION JOINT
—	SPRINKLER HEAD
—	REDUCER
—	PIPE GUIDE
—	ROOF PIPING SUPPORT
—	F & T TRAP
—	BUCKET TRAP
—	IMPULSE TRAP
—	THERMOSTATIC TRAP
—	FLOAT TRAP
—	PRESSURE GAUGE
—	THERMOMETER
—	UNION
—	BACKFLOW PREVENTER
—	DOMESTIC WATER MIXING VALVE
—	METER

MECHANICAL SYMBOLS-

—	HOSE BIBB
—	WALL HYDRANT
—	FLUSH FLOOR CLEANOUT
—	FLUSH GRADE CLEANOUT
—	CLEANOUT
—	ELBOW UP WITH SHUT-OFF VALVE
—	ELBOW DOWN WITH SHUT-OFF VALVE
—	TEE UP WITH SHUT-OFF VALVE
—	TEE DOWN WITH SHUT-OFF VALVE
—	CAP
—	SHOCK ABSORBER
—	TEMPERATURE SENSOR
—	FLOW SWITCH
—	FLOOR SINK, TYPE & SIZE
—	FLOOR DRAIN, TYPE & SIZE
—	FLOOR TROUGH, TYPE & SIZE
—	ROOF DRAIN, TYPE & SIZE
—	WATER CLOSET & TYPE
—	WATER CLOSET & TYPE
—	WATER CLOSET & TYPE
—	URINAL & TYPE
—	WALL MOUNTED LAVATORY & TYPE
—	COUNTER TOP LAVATORY & TYPE
—	SINK & TYPE
—	BATHTUB & TYPE
—	SHOWER & TYPE
—	DRINKING FOUNTAIN & TYPE
—	JANITORS BASIN & TYPE
—	SHOWER HEADS & TYPE
—	LINEAR SLOT DIFFUSER
—	INSULATED FLEXIBLE DUCT
—	VOLUME DAMPER WITH LOCKING QUADRANT
—	BRANCH DUCT WITH 45° BOOT FITTING
—	ELBOW WITH TURNING VANES
—	BRANCH DUCT WITH BELLMOUTH SPIN-IN FITTING WITH MANUAL VOLUME DAMPER
—	EQUIP. WITH FLEXIBLE DUCT CONNECTION
—	RETURN, EXHAUST OR FRESH AIR DUCT UP
—	RETURN, EXHAUST OR FRESH AIR DUCT DOWN
—	SUPPLY AIR DUCT UP
—	SUPPLY AIR DUCT DOWN
—	REGISTER, SIZE, TYPE & CFM
—	REGISTER, SIZE, TYPE & CFM
—	REGISTER, SIZE, TYPE & CFM
—	FIRE DAMPER
—	SMOKE DAMPER
—	FIRE/SMOKE DAMPER
—	MOTORIZED DAMPER
—	CONTROL DAMPER
—	RELIEF DAMPER
—	BALANCE DAMPER
—	TEMPERATURE SENSOR-MOUNT AT 4'-0" A.F.F.
—	TEMPERATURE SENSOR WITH ADJUSTABLE SETPOINT AND OVER RIDE BUTTON - MOUNT AT 4'-0" A.F.F.
—	HUMIDITY SENSOR-MOUNT AT 4'-0" A.F.F.
—	PNEUMATIC THERMOSTAT - MOUNT AT 4'-0" A.F.F. UNLESS NOTED OTHERWISE
—	PNEUMATIC NIGHT THERMOSTAT-MOUNT AT 4'-0" A.F.F.
—	CARBON DIOXIDE SENSOR-MOUNT AT 4'-0" A.F.F.
—	AVERAGING TEMPERATURE SENSOR-MOUNT AT 4'-0" A.F.F.
—	CARBON DIOXIDE SENSOR-PLENUM MOUNTED

ELECTRICAL SYMBOLS-

—	LIGHT FIXTURE & TYPE
—	LIGHT FIXTURE WITH INNER & OUTER BALLASTS SWITCHED SEPARATELY
—	EMERGENCY LIGHT FIXTURE
—	NIGHT LIGHT - UNSWITCHED
—	LIGHT FIXTURE & TYPE (CEILING OR WALL MOUNTED)
—	LIGHT FIXTURE & TYPE (CEILING OR WALL MOUNTED)
—	EXIT LIGHT & TYPE (CEILING OR WALL MOUNTED)
—	COMBINATION EXIT/EMERGENCY LIGHT & TYPE (CEILING OR WALL MOUNTED)
—	ARROW INDICATES CHEVRON DIRECTION(S) FILLED SEGMENT SHOWS FACE DIRECTION(S)
—	LIGHT TRACK WITH LIGHT TYPES AS INDICATED
—	EMERGENCY LIGHT & TYPE
—	JUNCTION BOX 4" SQUARE UNLESS NOTED OTHERWISE
—	JUNCTION BOX - CEILING MOUNTED
—	JUNCTION BOX ON STUBBED UP CONDUIT
—	ELECTRIC THERMOSTAT UP 4'-0" UNLESS NOTED OTHERWISE
—	ELECTRIC NIGHT THERMOSTAT UP 4'-0" UNLESS NOTED OTHERWISE
—	ELECTRIC HUMIDISTAT
—	MOTOR - USE INDICATED
—	15AMP, SINGLE POLE 120/277V SWITCH
—	15AMP, THREE-WAY 120/277V SWITCH
—	15AMP, FOUR-WAY 120/277V SWITCH
—	15AMP, SINGLE POLE 120/277V SWITCH WITH PILOT LAMP
—	20AMP, SINGLE POLE 120/277V SWITCH
—	20AMP, THREE-WAY 120/277V SWITCH
—	20AMP, FOUR-WAY 120/277V SWITCH
—	20AMP, SINGLE POLE 120/277V SWITCH WITH PILOT LAMP
—	20AMP, MOMENTARY CONTACT 120/277V SWITCH
—	20AMP, SINGLE POLE 120/277V SWITCH - KEY OPERATED
—	20AMP, DOUBLE POLE 120/277V SWITCH
—	30AMP, DOUBLE POLE 120/277V SWITCH
—	"HAND-OFF-AUTO" SELECTOR SWITCH
—	MANUAL STARTER WITH THERMAL OVERLOADS
—	120V SPRING WOUND TIMER
—	120V ELECTRONIC TIMER
—	LOW VOLTAGE SWITCH
—	NARROW SWITCH
—	WALL SWITCH OCCUPANCY SENSOR AND TYPE PER SCHEDULE
—	WALL SWITCH VACANCY SENSOR AND TYPE PER SCHEDULE
—	WALL MOUNT OCCUPANCY SENSOR AND TYPE PER SCHEDULE
—	CEILING MOUNT OCCUPANCY SENSOR AND TYPE PER SCHEDULE
—	WALL MOUNT VACANCY SENSOR AND TYPE PER SCHEDULE
—	CEILING MOUNT VACANCY SENSOR AND TYPE PER SCHEDULE
—	DIMMING SYSTEM CONTROL STATION - SECOND LETTER DENOTES STATION DESIGNATION IN SCHEDULE
—	DIMMING SYSTEM REMOTE STATION - SECOND LETTER DENOTES STATION DESIGNATION IN SCHEDULE
—	EXPOSED METAL RACEWAY - WIREMOLD
—	CONDUIT CONCEALED IN ROOF INSULATION
—	CONDUIT CONCEALED IN CEILING OR WALL
—	CONDUIT CONCEALED IN FLOOR SLAB
—	EXPOSED CONDUIT
—	HOME RUN - DIAGONAL LINES INDICATE NUMBER OF WIRES, ARROWS INDICATE NUMBER OF CIRCUITS
—	#18 WIRE
—	#16 WIRE
—	#14 WIRE
—	#12 WIRE
—	SHEATHED CABLE
—	BRANCH CIRCUIT OR FEEDER - SEE SCHEDULE FOR CONDUCTOR & CONDUIT QUANTITY & SIZE
—	FLEXIBLE CONDUIT
—	GROUND WIRE

ELECTRICAL SYMBOLS-

—	SWITCHED RECEPTACLE WITH APPROPRIATE RECEPTACLE(S)
—	DUPLEX 15AMP, 125V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	DUPLEX 20AMP, 125V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	4-PLEX 20AMP, 125V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	DUPLEX 15AMP, 250V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	DUPLEX 20AMP, 250V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	DUPLEX 20AMP, 125V, 2P, 3W GROUNDING TYPE RECEPTACLE MOUNTED ABOVE CEILING
—	RECESS MOUNTED FLOOR BOX WITH APPROPRIATE RECEPTACLE(S)
—	TWO RECESS MOUNTED FLOOR BOXES WITH APPROPRIATE RECEPTACLE(S) INSTALLED TOGETHER
—	STUBBED UP CONDUIT WITH APPROPRIATE RECEPTACLE(S) OUTLET BOX TO BE FS BOX
—	SINGLE 15AMP, 125V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	SINGLE 20AMP, 125V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	SINGLE 15AMP, 250V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	SINGLE 20AMP, 250V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	SINGLE 20AMP, 250V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	SINGLE 50AMP, 250V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	SINGLE 20AMP, 125/250V, 3P, 4W GROUNDING TYPE RECEPTACLE
—	SINGLE 30AMP, 125V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	SINGLE 30AMP, 250V, 2P, 3W GROUNDING TYPE RECEPTACLE
—	SINGLE 30AMP, 125/250V, 3P, 4W GROUNDING TYPE RECEPTACLE
—	SINGLE 20AMP, 250V, 3 PHASE, 3P, 4W GROUNDING TYPE RECEPTACLE
—	SINGLE 20AMP, 120/208V, 3 PHASE, 4P, 4W GROUNDING TYPE RECEPTACLE
—	SINGLE 60AMP, 120/208V, 3 PHASE, 4P, 4W GROUNDING TYPE RECEPTACLE
—	PLUGMOLD - OUTLETS AT 12" O.C. UNLESS NOTED OTHERWISE
—	CLOCK OUTLET (RECEPTACLE)
—	** TELEPHONE OUTLET
—	RECESS MOUNTED FLOOR TELEPHONE OUTLET
—	SURFACE MOUNTED FLOOR TELEPHONE OUTLET
—	** COMPUTER DATA OUTLET
—	FLOOR MOUNTED COMPUTER DATA OUTLET
—	** TELEVISION OUTLET - WALL
—	** TELEVISION OUTLET - TABLE/CABINET MOUNT
—	UNLESS NOTED OTHERWISE ELSEWHERE ON THE DRAWINGS OR IN THE SPECIFICATIONS, THESE OUTLETS REQUIRE 4"x4"x2.5" D JUNCTION BOX WITH SINGLE GANG PLASTER RING AND 1" CONDUIT WITH 90° SWEEP AND DE-BURRED ENDS (MIN.) TO ABOVE THE NEAREST ACCESSIBLE LAY-IN CEILING
—	CEILING FAN
—	LIGHTING & APPLIANCE PANEL
—	DISTRIBUTION, FEEDER OR POWER PANEL
—	TELEPHONE TERMINAL CABINET ("TTC")
—	PULL BOX
—	MAGNETIC MOTOR CONTROLLER
—	COMBINATION MAGNETIC MOTOR CONTROLLER
—	DISCONNECT SWITCH
—	MANUAL MOTOR CONTROLLER
—	TIME SWITCH
—	LIGHTING CONTACTOR
—	PHOTOCELL
—	TELE - POWER POLE
—	POWER POLE
—	UNDERGROUND ELECTRIC
—	OVERHEAD ELECTRIC
—	UNDERGROUND TELEPHONE
—	OVERHEAD TELEPHONE
—	** SMOKE DAMPER
—	** FIRE/SMOKE DAMPER
—	UNLESS NOTED OR SHOWN OTHERWISE ELSEWHERE ON THE DRAWINGS OR IN THE SPECIFICATIONS, THESE DEVICES REQUIRE A FIRE ALARM DUCT SMOKE DETECTOR AND A 120V POWER SOURCE FROM THE NEAREST RECEPTACLE CIRCUIT.

ELECTRICAL SYMBOLS-

—	END OF LINE RELAY
—	WATER FLOW SWITCH
—	VALVE TAMPER SWITCH
—	FAN SHUTDOWN RELAY
—	MANUAL FIRE ALARM STATION - MOUNTING HEIGHT SHALL BE AS REQUIRED BY THE INTERNATIONAL BUILDING CODE. COORDINATE WITH EQUIPMENT MANUFACTURER BASED ON ACTUALLY PROVIDED EQUIPMENT.
—	FIRE ALARM RELAY
—	END OF LINE RESISTOR
—	FIRE ALARM STROBE - MOUNTING HEIGHT SHALL BE AS REQUIRED BY THE LATEST EDITION OF NFPA 72. COORDINATE WITH EQUIPMENT MANUFACTURER BASED ON ACTUALLY PROVIDED EQUIPMENT.
—	FIRE ALARM BELL
—	BELL
—	FIRE AUDIBLE AND VISUAL ALARM - MOUNTING HEIGHT SHALL BE AS REQUIRED BY THE LATEST EDITION OF NFPA 72. COORDINATE WITH EQUIPMENT MANUFACTURER BASED ON ACTUALLY PROVIDED EQUIPMENT.
—	HORN
—	FIRE ALARM CONTROL CABINET
—	FIRE ALARM ANNUNCIATOR PANEL
—	CARBON MONOXIDE SENSOR
—	DUCT THERMOSTAT
—	DUCT SMOKE DETECTOR
—	CEILING SMOKE DETECTOR CENTRAL SYSTEM
—	THERMAL DETECTOR (HEAT)
—	CEILING SMOKE DETECTOR - STAND ALONE 120V, BATTERY BACKUP. UNLESS NOTED OR SHOWN DIFFERENTLY ON THE PLANS OR SPECIFICATIONS, PROVIDE 120V POWER FROM THE NEAREST RECEPTACLE CIRCUIT WHETHER SPECIFICALLY INDICATED OR NOT.
—	ELECTRIC DOOR HOLDER
—	FIREMAN'S TELEPHONE OUTLET
—	NURSE CALL MASTER STATION
—	NURSE CALL ANNUNCIATION PANEL
—	NURSE CALL SYSTEM POWER SUPPLY
—	NURSE CALL STATUS LIGHT ANNUNCIATION PANEL
—	NURSE CALL SWITCH PANEL
—	NURSE CALL ROOM STATUS CORRIDOR LIGHT - WALL MOUNT
—	NURSE CALL ROOM STATUS CORRIDOR LIGHT - CEILING MOUNT
—	NURSE CALL CORRIDOR LIGHT - WALL MOUNT
—	NURSE CALL CORRIDOR LIGHT - CEILING MOUNT
—	NURSE CALL PATIENT STATION - SINGLE CALL CORD
—	NURSE CALL PATIENT STATION - DOUBLE CALL CORD
—	NURSE CALL DUTY STATION
—	NURSE CALL EMERGENCY STATION - PULL CORD
—	NURSE CALL EMERGENCY STATION - PUSH BUTTON
—	NURSE CALL CODE BLUE STATION
—	DOOR ALARM CONTACT
—	DOOR ALARM ANNUNCIATOR
—	MONITOR JUNCTION BOX
—	CLOSED CIRCUIT TELEVISION MONITOR
—	CLOSED CIRCUIT TELEVISION CAMERA
—	MASTER CLOCK
—	SECONDARY CLOCK
—	INTERCOM ADMINISTRATIVE CONTROL UNIT
—	MUSIC SYSTEM AMP
—	PAGING SYSTEM AMP
—	WALL SPEAKER
—	COMBINATION CLOCK SPEAKER
—	CEILING SPEAKER
—	COLUMN SPEAKER
—	HORN TYPE SPEAKER
—	LIGHTING & APPLIANCE PANEL
—	MICROPHONE OUTLET - WALL
—	MICROPHONE OUTLET - FLOOR
—	LOCAL AMPLIFIER
—	REMOTE VOLUME CONTROL
—	CALL-IN STATION
—	MOTION DETECTOR
—	CLOSED CIRCUIT TELEVISION OUTLET
—	PUSHBUTTON STATION
—	PILOT LIGHT BANK
—	RELAY CABINET
—	AMPLIFIER
—	LOW VOLTAGE CONTROL TRANSFORMER
—	SOLENOID VALVE
—	FREEZE STAT

ABBREVIATIONS-

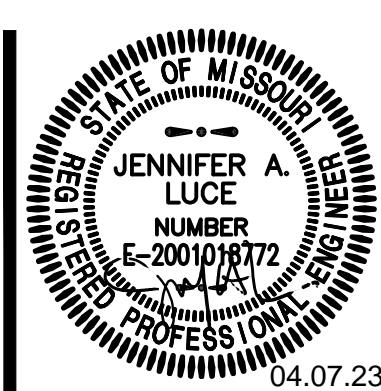
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CW	DOMESTIC COLD WATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
DF	DRINKING FOUNTAIN
DN	DOWN
EF	EXHAUST FAN
EWC	ELECTRIC WATER COOLER
E/M	EQUIPMENT MANUFACTURER
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FFCO	FINISHED FLOOR CLEANOUT
FGCO	FINISHED GRADE CLEANOUT
FTR	FINNED TUBE RADIATION
FWCO	FINISHED WALL CLEANOUT
HHP	HYDRONIC HEAT PUMP
HW	DOMESTIC HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
UH	UNIT HEATER
UV	UNIT VENTILATOR
V	VENT
VTR	VENT THRU ROOF
W	WASTE

ELECTRICAL NOTATIONS-

"AC" or "A"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES DEVICE BOTTOM TO BE MOUNTED 4" ABOVE COUNTERTOP BACKSPASH
"GF"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES GROUND FAULT INTERRUPTER
"IG"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES ISOLATED GROUND DEVICE
"SS"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES SURGE SUPPRESSION DEVICE
"TL"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES LOCKING OR TWIST-LOCK TYPE DEVICE
"WP"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES WEATHER-PROOF ENCLOSURE
"WPI"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES WEATHER-PROOF IN-USE ENCLOSURE
"XP"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES EXPLOSION-PROOF ENCLOSURE
"TR"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES TAMPER RESISTANT DEVICE
60"	DIMENSIONS ADJACENT TO ANY SYMBOL INDICATES MOUNTING HEIGHT TO CENTERLINE OF DEVICE
(TIE)	INDICATES HOMERUNS WITH SAME CIRCUIT NUMBER TO BE WIRED TOGETHER ON SAME CIRCUIT.

PLAN NOTATIONS-

▲	INDICATES DIRECTION OF NORTH
1/MT	DETAIL REFERENCE - UPPER NUMBER INDICATES DETAIL NUMBER, LOWER NUMBER INDICATES SHEET NUMBER.
1	PLAN NOTE REFERENCE
100	ROOM NUMBER REFERENCE
⊕	INDICATES CONNECTION TO EXISTING SYSTEM



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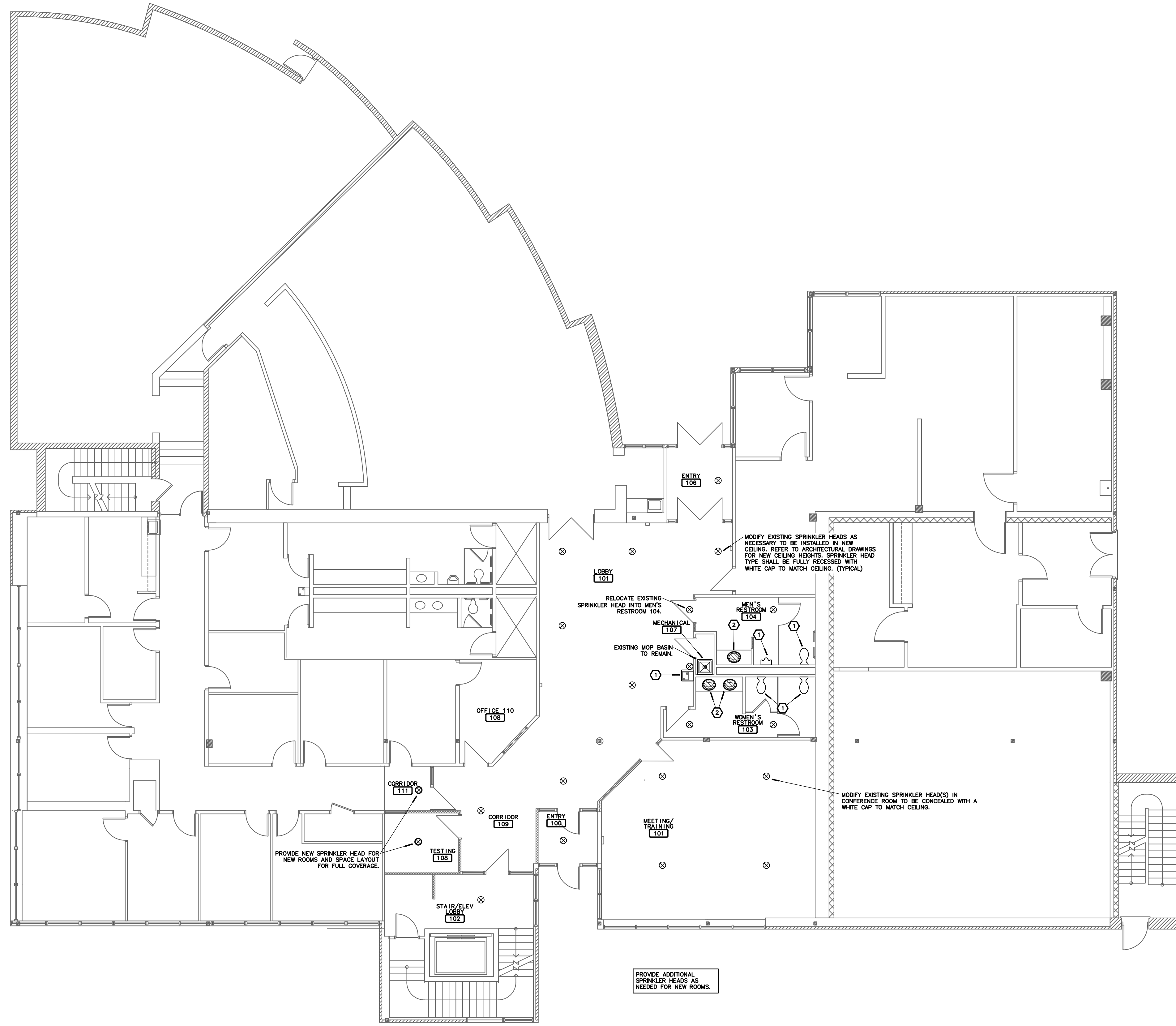
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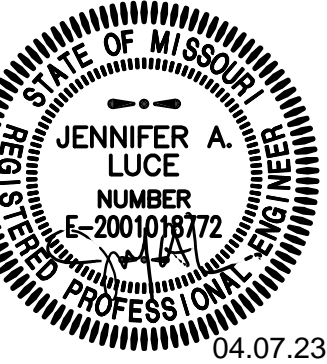


NOTES:

- ① REMOVE THE EXISTING PLUMBING FIXTURE. REINSTALL PLUMBING FIXTURE ON EXISTING MOUNTING HARDWARE AFTER THE NEW WALL FINISH HAS BEEN APPLIED.
- ② DEMO EXISTING LAVATORY SINK. REMOVE AND STORE EXISTING SINK FAUCETS DURING DEMOLITION. INSTALL EXISTING SENSOR FAUCETS ON THE NEW LAVATORY COUNTER. CONNECT NEW LAVATORY TO EXISTING WASTE PIPE IN THE WALL AND CONNECT THE EXISTING FAUCET TO EXISTING HOT AND COLD WATER SUPPLY LINES. SINK INCLUDED WITH MILLWORK.

GENERAL PLUMBING NOTES:

1. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE 2018 EDITION OF THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE CITY OF SPRINGFIELD, MISSOURI.
2. FOR ALL MECHANICAL QUESTIONS ON THIS PROJECT, CONTACT RTM ENGINEERING CONSULTANTS AT (417) 581-0020. CONTACT: JAMES COUCH.
3. CONTRACTOR SHALL SECURE AND PAY FOR NECESSARY MEP PERMITS AND CERTIFICATES OF INSPECTION REQUIRED BY GOVERNMENTAL ORDINANCES, LAWS, RULES, OR REGULATIONS.
4. FINAL ACCEPTANCE OF WORK SHALL BE SUBJECT TO THE CONDITION THAT ALL SYSTEMS, EQUIPMENT, APPARATUS, AND APPLIANCES OPERATE SATISFACTORILY AS DESIGNED AND INTENDED. WORK SHALL INCLUDE REQUIRED REPLACEMENT, ADJUSTMENT OF SYSTEMS AND CONTROL EQUIPMENT AND REQUIRED PROGRAMMING INSTALLED. PROVIDE FOR ALL WORK INDICATED ON DRAWINGS OR AS REASONABLY IMPLIED.
5. TEST ALL LINES, SYSTEMS, EQUIPMENT BEFORE THEY ARE INSULATED, PAINTED OR CONCEALED BY CONSTRUCTION OR BACKFILLING. PROVIDE FUEL, WATER, ELECTRICITY MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR TESTS. REPAIR OR REPLACE DEFECTS, LEAKS, AND MATERIALS FAILURES REVEALED BY TESTS AND THEN RETESTED UNTIL SATISFACTORY. MAKE REPAIRS WITH NEW MATERIALS.
6. EXISTING CONDITIONS ON THIS SET OF BID DOCUMENTS WERE TAKEN FROM EXISTING DRAWINGS, LIMITED SITE VISITS, AND VISUAL OBSERVATIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CHANGE ORDERS WILL NOT BE PAID DUE TO UNANTICIPATED CONDITIONS TO MEET INTENT OF WORK.
7. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL DEMOLISHED MATERIALS AND EQUIPMENT. STORE ITEMS ON SITE AS DIRECTED BY THE OWNER.
8. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR PHASING AND EXTENTS OF DEMOLITION. REFER TO ARCHITECTURAL PLANS FOR ALL PHASING REQUIREMENTS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEMS AS REQUIRED DUE TO CONSTRUCTION WORK. MAINTAIN ALL FIRE RATINGS.
10. INSULATE ALL DOMESTIC WATER AND HVAC CONDENSATE DRAIN PIPING WITH 1/2" AP ARMAFLEX. ALL INSULATION MATERIALS SHALL HAVE A FLAME SPREAD RATING NO GREATER THAN 25 AND A SMOKE DEVELOPED RATING NO GREATER THAN 50. INSULATION SHALL BE CONTINUOUS AT ALL HANGERS, SUPPORTS, AND FRAMES. 120 DEGREE HOT WATER PIPING SHALL BE 1" FOR PIPING UP TO 1.25" AND 1.5" FOR LARGER PIPING.
11. THE ENTIRE BUILDING CONTAINS AN EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM. THIS WORK INCLUDES MODIFYING THE EXISTING SYSTEM AS REQUIRED TO MAINTAIN A FULLY OPERATIONAL AUTOMATIC FIRE SPRINKLER SYSTEM FOR ALL AREAS OF THE BUILDING. ALL FIRE SPRINKLER MATERIALS AND INSTALLATION SHALL COMPLY WITH NFPA 13, STATE AND LOCAL CODES AND FACTORY MUTUAL ENGINEERING REQUIREMENTS. THE FIRE SPRINKLER SYSTEM CONTRACTOR SHALL ENGINEER AND INSTALL THE FIRE SPRINKLER SYSTEM AS REQUIRED TO MAINTAIN PROPER COVERAGE FOR THE REMODELED AREAS OF THE BUILDING.
BEFORE ANY SPRINKLER WORK BEGINS, SUBMIT SCALED DRAWINGS INDICATING THE LOCATIONS OF SPRINKLER HEADS AND HOW THEY INTERFACE WITH CEILING TILES, LIGHTING FIXTURES, HVAC GRILLES, AND DIFFUSERS, ETC. ALL SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILES. LAYOUT DRAWINGS SHALL ALSO INCLUDE, BUT NOT LIMITED TO PIPE SIZES AND LOCATIONS, ELEVATIONS AND SLOPES OF HORIZONTAL PIPING RUNS, COORDINATION OF PIPING WITH DUCTWORK, PIPING ETC., AND HANGER LOCATIONS.
12. MODIFY EXISTING SPRINKLER HEADS WHERE LOCATION WILL BE TOO CLOSE TO WALL AS ALLOWED BY NFPA. REPLACE EXISTING HEADS FOR NEW OFFICE SPACES WITH CONCEALED HEAD TYPE. CORRIDORS CAN REUSE EXISTING HEADS/TYPE. PROVIDE NEW HEADS AS NEEDED FOR THE NEW ROOM LAYOUT.
13. CONTRACTOR SHALL PROVIDE TEMPORARY FILTERS IN ALL EQUIPMENT OPERATED DURING RENOVATION LOCATED WITHIN THE AREA OF CONSTRUCTION. ALL FILTERS SHALL BE REPLACED AT SUBSTANTIAL COMPLETION FOR ALL TERMINAL BOXES LOCATED WITHIN THE AREA OF CONSTRUCTION.



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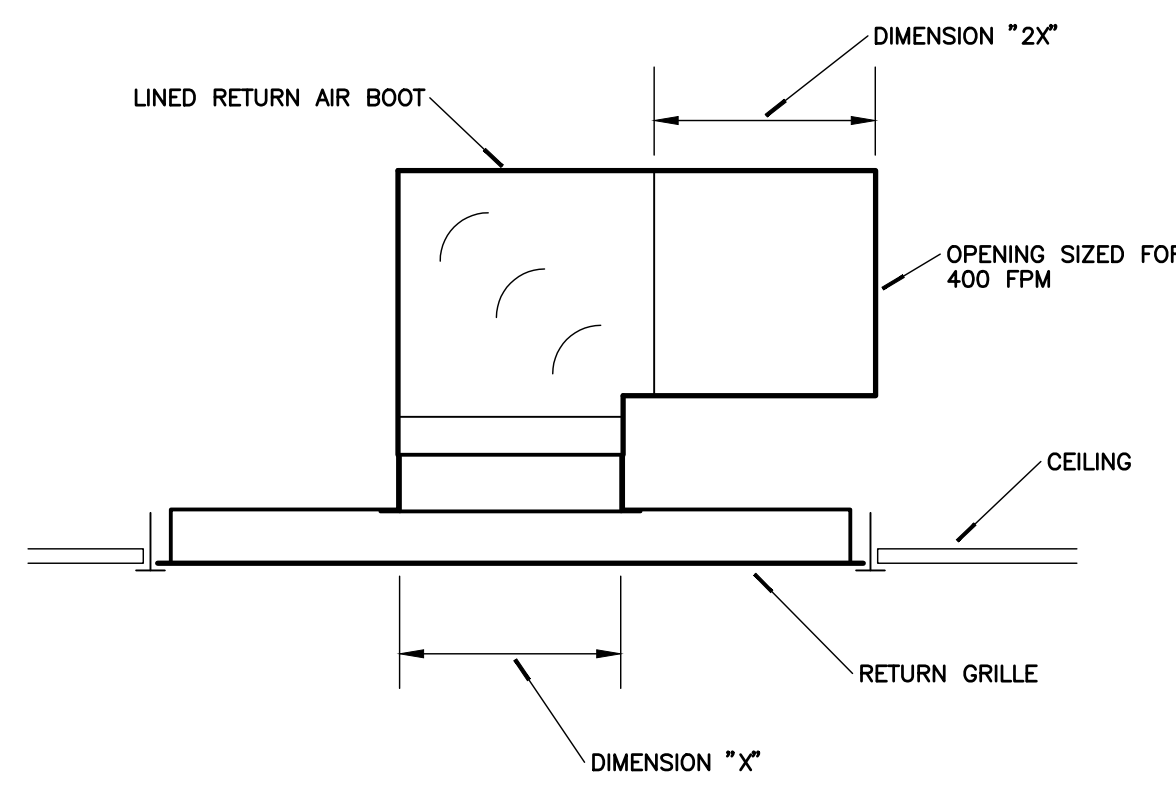
GRILLES, REGISTERS & DIFFUSER SCHEDULE

MARK	MANUFACTURER	CATALOG #	APP	FINISH	FRAME TYPE	VOLUME DAMPER	MAX NC (DB)	MIN THROW (FT)	MAX THROW (FT)	MAX PRESS DROP
A	TITUS	TDCA-24x24	SUP	WHITE	T-BAR	YES	30	8	16	0.1"
B	TITUS	PAR-24x24	RET/EXH	WHITE	T-BAR	NO	30	-	-	0.06"

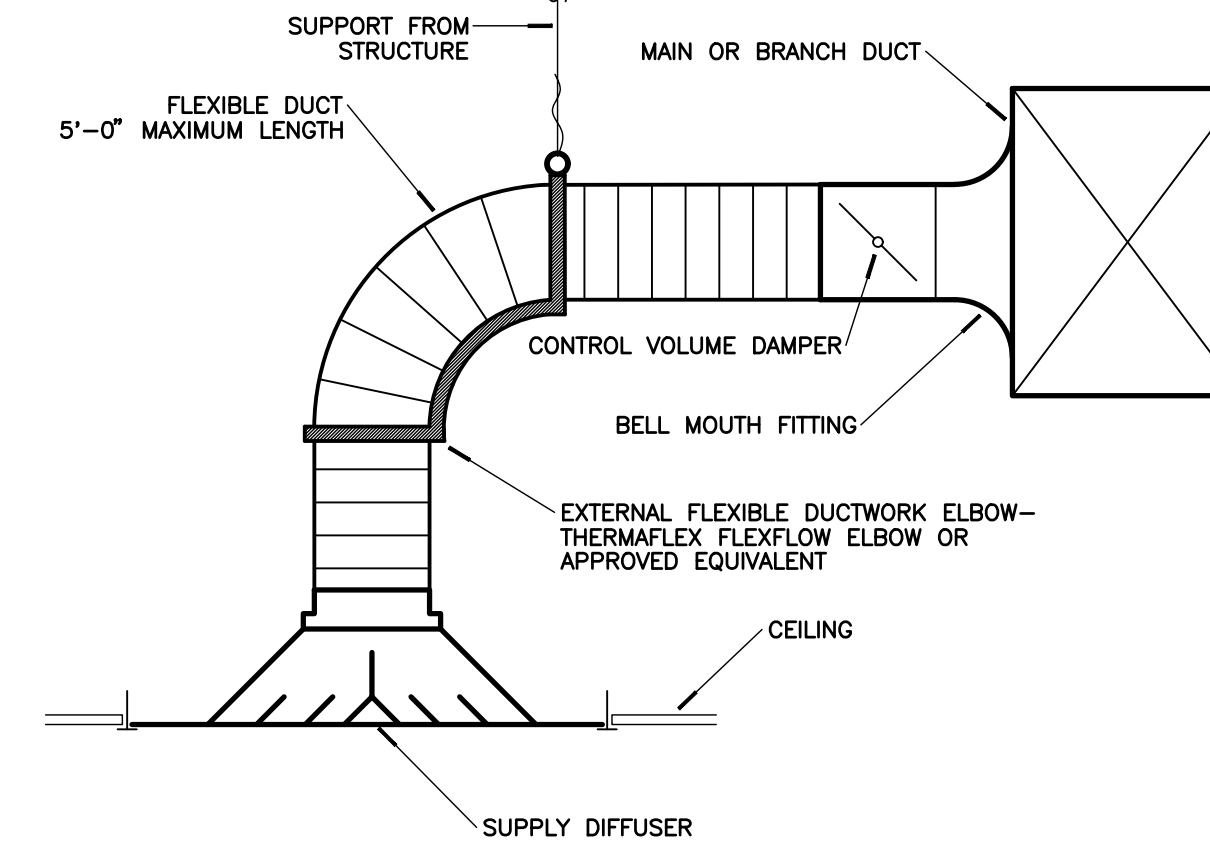
ABBREVIATIONS:
 EXH - EXHAUST
 RET - RETURN
 SUP - SUPPLY

NOTES:

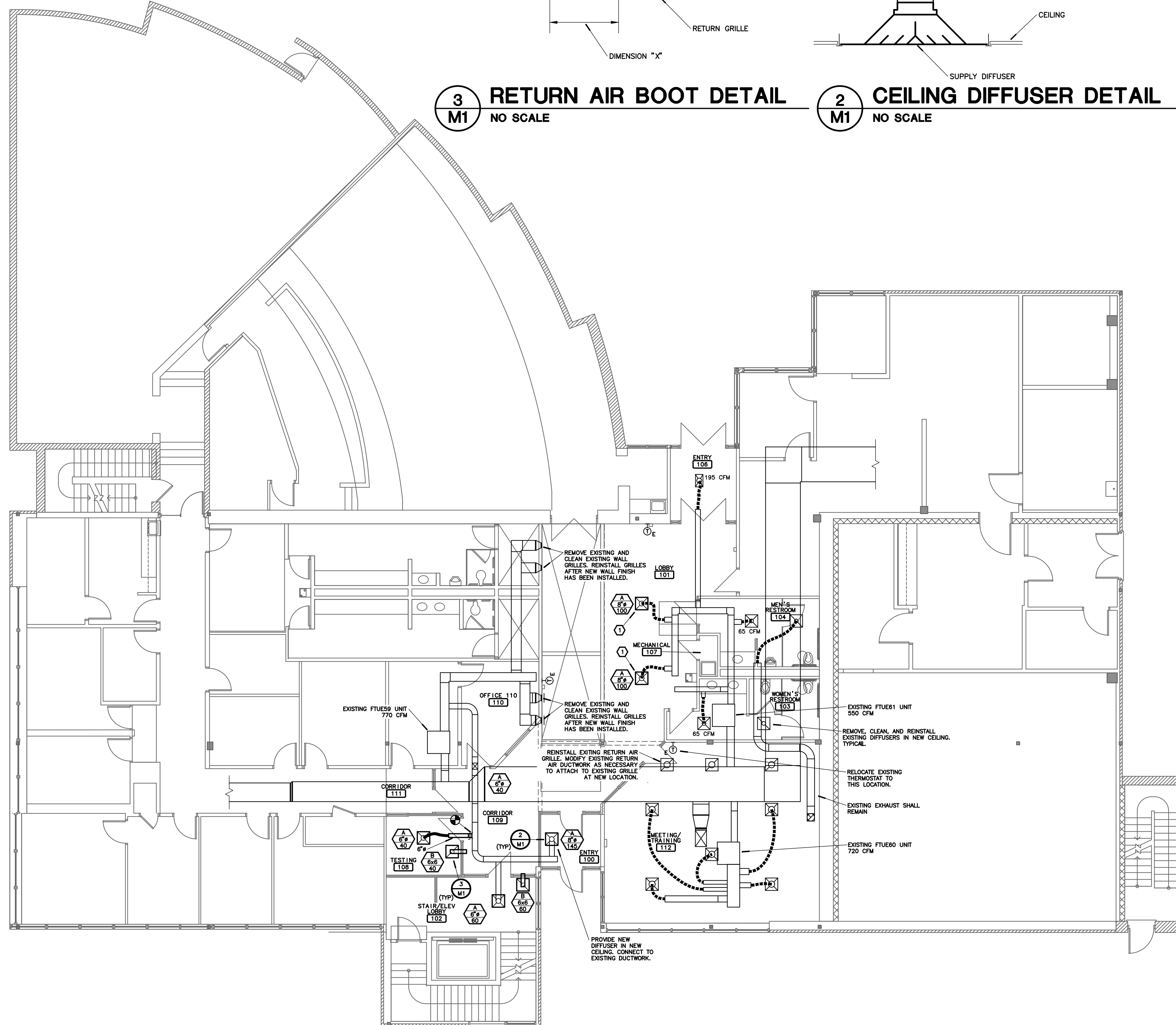
- THROWS ARE BASED ON 50 FEET PER MINUTE VELOCITY.
- OPPOSED BLADE DAMPERS SHALL BE PROVIDED ON ALL DIFFUSERS REQUIRING VOLUME DAMPERS.



3 RETURN AIR BOOT DETAIL
 M1 NO SCALE



2 CEILING DIFFUSER DETAIL
 M1 NO SCALE



1 HVAC IMPROVEMENT PLAN
 M1 SCALE: 1/8"-1'-0"

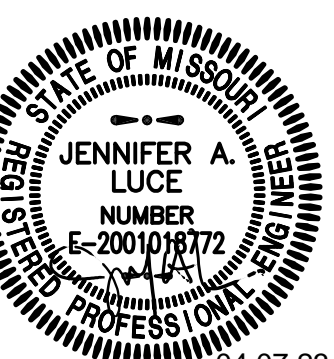
NORTH

NOTES:

- REMOVE EXISTING DIFFUSERS. PROVIDE NEW 24"x24" DIFFUSER TO BE INSTALLED IN THE NEW GRID CEILING AS SHOWN.

GENERAL NOTES:

- REBALANCE AIRFLOW AND TERMINAL BOX FOR NEW AIRFLOWS AS INDICATED ON DIFFUSER TAGS. PROVIDE DOCUMENTATION FOR EACH NEW DIFFUSER TO OWNER AS PART OF CLOSE OUT DOCUMENTS. PROVIDE WRITTEN REPORT FOR ALL DIFFUSERS ON EACH BOX AFFECTED BY WORK AS NOTED.
- NEW WALLS ARE NOT EXTENDED TO DECK. MAINTAIN RETURN AIRFLOW PATH ABOVE OPEN CEILING AREA OF AREA OF CONSTRUCTION. EXISTING TRANSFER AND FIRE DAMPERS SHALL REMAIN FOR RETURN BACK TO MAIN BUILDING.
- FOR ALL QUESTIONS ON THIS PROJECT, CONTACT RTM ENGINEERING CONSULTANTS AT (417) 881-0020. CONTACT: JAMES COUCH.
- ALL WORK SHALL BE IN ACCORDANCE WITH 2018 EDITION OF THE INTERNATIONAL PLUMBING AND MECHANICAL CODES AS ADOPTED BY THE CITY OF SPRINGFIELD, MISSOURI.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING THE IR BID.
- PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- CONTRACTOR SHALL SECURE AND PAY FOR NECESSARY MEP PERMITS AND CERTIFICATES OF INSPECTION REQUIRED BY GOVERNMENTAL ORDINANCES, LAWS, RULES, OR REGULATIONS.
- FINAL ACCEPTANCE OF WORK SHALL BE SUBJECT TO THE CONDITION THAT ALL SYSTEMS, EQUIPMENT, APPARATUS, AND APPLIANCES OPERATE SATISFACTORILY AS DESIGNED AND INTENDED. PROVIDE FOR ALL WORK INDICATED ON DRAWINGS OR AS REASONABLY IMPLIED.
- PROVIDE NECESSARY MATERIALS AND ACCESSORIES FOR INSTALLATION OF FITTINGS, EQUIPMENT, ETC AS REQUIRED FOR COMPLETE AND FUNCTIONAL OPERATION AS NOTED ON DRAWINGS OR IN NOTES AND IN A NEAT AND PROFESSIONAL MANNER AND PER MANUFACTURER RECOMMENDATIONS.
- ACCESS PANELS SHALL BE PROVIDED WHEREVER NECESSARY TO PROVIDE ACCESS TO VALVES, JUNCTION BOXES, DAMPERS, ETC., LOCATED IN CONCEALED SPACES.
- THE CONTRACTOR SHALL CONTACT THE OWNER AND COORDINATE ALL OUTAGES 5 DAYS PRIOR TO ANY SHUT-OFF OF SERVICES.
- THE CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING.
- REFER TO ARCHITECTURAL DRAWINGS FOR TYPICAL ROOM INTERIOR ELEVATIONS. COORDINATE EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
- SEAL ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES AS NECESSARY TO RESTORE FIRE-RESISTANCE RATING OF ASSEMBLY. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR RATED ASSEMBLIES, FIRE STOPPING MATERIALS, AND REQUIREMENTS.
- EACH CONTRACTOR AND SUB-CONTRACTOR OR TRADE SHALL REVIEW THE BID DOCUMENTS AS A WHOLE, INCLUDING ALL OTHER TRADES' DRAWINGS AND PROVIDE ANY MISCELLANEOUS MATERIALS, WORK, ETC. REQUIRED TO COMPLETE THE WORK AS SHOWN ON ALL BID DOCUMENTS. THIS REQUIREMENT APPLIES TO ALL TRADES: STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, EQUIPMENT VENDORS, ETC. REQUIREMENTS AND RELATED WORK ARE INDICATED THROUGHOUT THE BID DOCUMENTS AND SHALL BE REVIEWED WITH THE SPECIFIC MEP, STRUCTURAL, ARCHITECTURAL, AND EQUIPMENT DRAWINGS FOR OVERALL SCOPE OF WORK.
- PATCH AND REPAIR DUCTWORK AND EXISTING PIPING ALONG WITH ASSOCIATED INSULATION AS NEEDED DUE TO SCOPE OF WORK AND ANY NEW TIE-INS. MATCH EXISTING TYPE AND ALL SHALL COMPLY WITH 25/50 FLAME/SMOKE DEVELOPED RATINGS. PATCH AND INSULATE ANY SUPPLY DUCTS AFFECTED BY WORK THAT ARE NOT INSULATED.
- ALL EQUIPMENT/DAMPERS SHALL BE INSTALLED TO ALLOW FULL MAINTENANCE ACCESS PER MANUFACTURER'S RECOMMENDATIONS.
- DUCT MATERIALS SHALL BE AS FOLLOWS: OTROUND SUPPLY AIR DUCT - 1" PRESSURE CLASS OR LESS; GALVANIZED SMOOKPIPE PIPE WITH TRANSVERSE JOINTS TAPED. WRAP WITH 1.5" 1.0 LB DENSITY FIBERGLASS DUCT WRAP WITH FOL-SCOTCH-WRAFF FACING OTROUND FLEXIBLE DUCT: UL LISTED CLASS 1 PRE-INSULATED FLEX DUCT. RUNS OF FLEXIBLE DUCT SHALL NOT EXCEED 5 LINEAR FEET; FLEXIBLE DUCT SHALL NOT BE USED ON SYSTEMS WITH PRESSURE CLASS GREATER THAN 1".
- ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS, MANUAL 15C. ALL SUPPLY AIR DUCT PRESSURE CLASSES SHALL BE THE SAME AS THE EXTERNAL STATIC PRESSURE (ESP) OF THE EQUIPMENT SUPPLYING THE DUCT. THE EQUIPMENT ESP SHALL BE THE PRESSURE CLASS FOR THE ENTIRE SUPPLY DUCT SYSTEM.
- ROUND TAKE-OFF FITTINGS FROM RECTANGULAR DUCTWORK SHALL BE MADE WITH BUCKLEY BELLMOUTH FITTINGS, OR APPROVED EQUAL.
- CONTRACTOR SHALL PROVIDE TEMPORARY FILTERS IN ALL EQUIPMENT OPERATED DURING RENOVATION LOCATED WITHIN THE AREA OF CONSTRUCTION. ALL FILTERS SHALL BE REPLACED AT SUBSTANTIAL COMPLETION FOR ALL TERMINAL BOXES LOCATED WITHIN THE AREA OF CONSTRUCTION.



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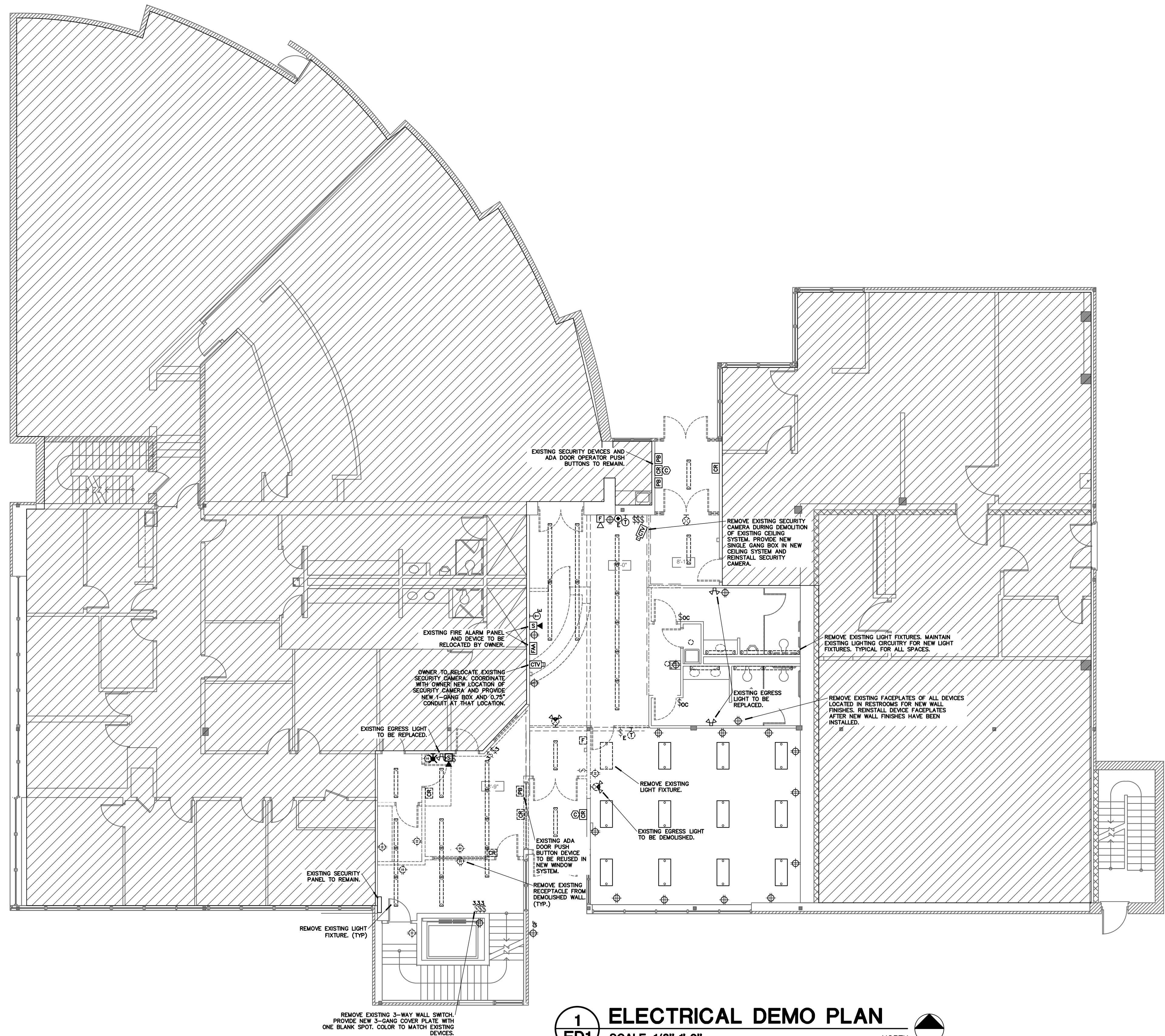
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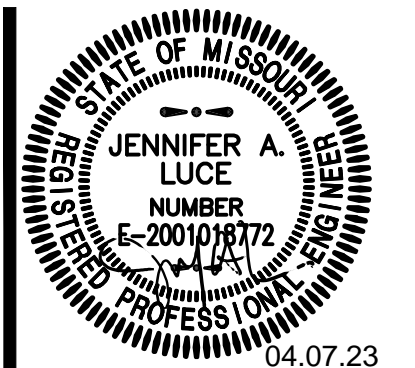


1 ELECTRICAL DEMO PLAN
ED1 SCALE: 1/8"=1'-0" NORTH

NOTES:

GENERAL NOTES:

1. INFORMATION ON THESE DRAWINGS REPRESENT INFORMATION FROM OLD DRAWINGS AND LIMITED SITE INSPECTIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. NO EXTRAS SHALL BE PAID DUE TO UNANTICIPATED CONDITIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEM AS REQUIRED DUE TO NEW CONSTRUCTION. MAINTAIN ALL FIRE RATINGS.
3. FOR ALL EXISTING FIXTURES, RECEPTACLES, WIRING, EQUIPMENT, ETC. SHOWN TO BE REMOVED, THE OWNER SHALL HAVE THE FIRST RIGHT OF REFUSAL.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL ELECTRICAL DEVICES AND WIRING IN ALL DEMOLISHED WALLS WHETHER SPECIFICALLY INDICATED OR NOT.
5. WHERE DEMOLISHED DEVICES ARE PART OF A CIRCUIT THAT IS THRU-WIRED, OR HAS ADDITIONAL DEVICES ON THE CIRCUIT THAT ARE TO REMAIN UNCHANGED, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE EXISTING CIRCUIT. ANY ADDITIONAL CONDUIT, CONDUCTOR, BOXES, ETC NEEDED TO MODIFY THE EXISTING CIRCUIT TO MAINTAIN THE INTEGRITY ARE THE RESPONSIBILITY OF THIS CONTRACTOR AND SHALL BE INCLUDED IN BID.
6. REMOVE CONDUIT IN ALL DEMOLISHED WALLS.
7. REMOVE ANY UNUSED CONDUCTORS, CONDUIT, AND WIRING IN DEMOLISHED WALLS LOCATED WITHIN THE AREA OF CONSTRUCTION. REMOVE ALL UNUSED WIRING. CONDUIT CAN BE ABANDONED IN PLACE WHERE IT WILL REMAIN CONCEALED.
8. REMOVE AND REPLACE DEVICES AS REQUIRED DUE TO NEW WALL OR CEILING FINISHES.



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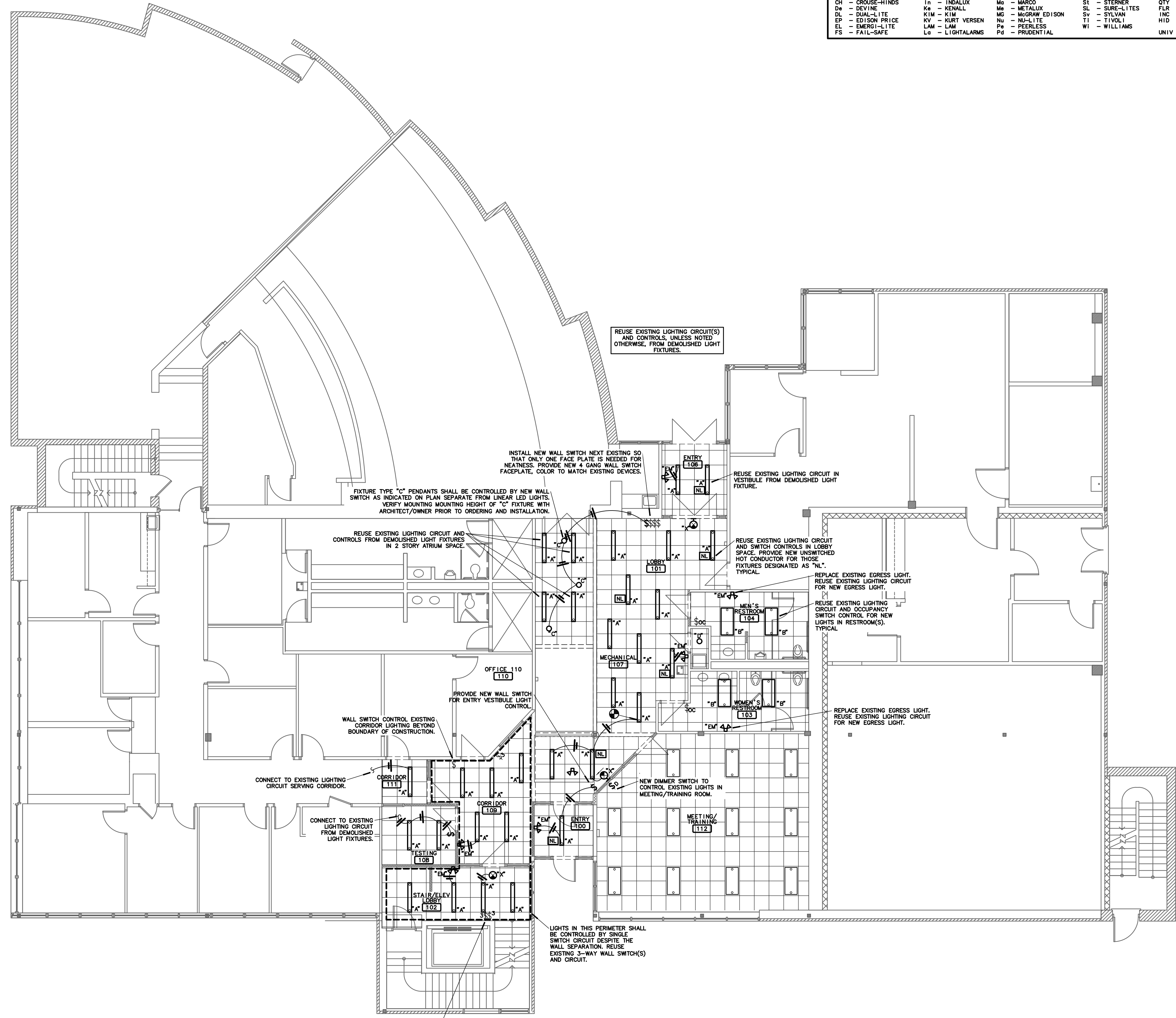
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LIGHTING FIXTURE SCHEDULE

MARK	MFG.	CATALOG #	MTG.	FINISH	LAMPS			EQUIVALENT
					TYPE	CODE	QTY	
A	WILLIAMS	MX2RS-4-L10/B35-F-DIM-UNV	REC	WHITE	LED	1000 LUMENS PER FOOT	ONLY APPROVED BY OWNER	
B	KEYSTONE	KT-BPLED500S-24-SCSA-VDIM	REC	WHITE	LED	5600 LUMENS, 3500K	ONLY APPROVED BY OWNER	
C	LIGHT ART	3 COL-RIBB-CLUJ-360-MC-EXT-17W-WPC-WH	CABL	WHITE	LED	1600 LUMENS, 3000K	ONLY APPROVED BY OWNER	
D	HALO	SMD6R129SWHE	SURF	WHITE	LED	1200 LUMENS, 3500K	ONLY APPROVED BY OWNER	
EM	SURE-LITES	APEL	SURF	WHITE	LED	-	ONLY APPROVED BY OWNER	
X	WILLIAMS	EXIT/EM/LP-R-WHT-D	UNV	WHITE	LED	-	ONLY APPROVED BY OWNER	

ABBREVIATIONS:

Ab - ABLITE	GE - GENERAL ELEC	Lc - LITECONTROL	Pg - PROGRESS	MTG - MOUNTING
AL - ALKCO	Gu - GUTH	Ld - LEVITON	Pf - PRESOLITE	REC - RECESSED
Ap - APPLETON	Ho - HALO	Ll - LITONIA	Ps - PAGES & SCIMOUR	SURF - SURFACE
AAV - ARCH AREA LIGHTING	Ho - HOLOPHANE	Ll - LONG LIGHTS	Ro - ROBERTS	TRK - TRACK
Ch - CHLORIDE	Hu - HUBBELL	Lr - LINEAR LIGHTING	Sf - STAFF	CABL - CABLE
CL - COAST LIGHTING	Hy - HYDREL	Lr - LIGHTOLIER	Sp - SPAULDING	SP1 - SPI
Co - COLUMBIA	ICE - ICE	Lu - LUMARK	SPI - SPI	MFG - MANUFACTURER
CH - CRUISE-HINDS	In - INDALUX	Md - MARCO	St - STERNER	QTY - QUANTITY
Dw - DEWINE	Me - METALL	Me - METALLUX	SL - SURE-LITES	FLR - FLUORESCENT
DL - DUAL-LITE	KIM - KIM	Mc - MCGRAW EDISON	Sv - SYLVAN	INC - INCANDESCENT
EP - EDISON PRICE	KV - KURT VERSEN	Nu - NALITE	Tl - TIVOLI	HID - HIGH INTENSITY
EL - ENERGI-LITE	LAM - LAM	Pa - PEERLESS	Tl - TIVOLI	DISC - DISCHARGE
FS - FAIL-SAFE	Ld - LIGHTALARMS	Pd - PRUDENTIAL	Wl - WILLIAMS	UNIV - UNIVERSAL

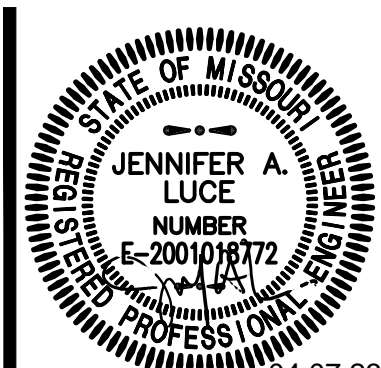


1 LIGHTING IMPROVEMENT PLAN
E1 SCALE: 1/8"=1'-0"

NOTES:

GENERAL ELECTRICAL NOTES:

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE AS ADOPTED BY THE CITY OF SPRINGFIELD, MISSOURI.
- FOR ALL ELECTRICAL QUESTIONS ON THIS PROJECT, CONTACT RTM ENGINEERING CONSULTANTS AT (417) 881-0020. CONTACT: JAMES COUCH.
- CONTRACTOR SHALL SECURE AND PAY FOR NECESSARY MEP PERMITS AND CERTIFICATES OF INSPECTION REQUIRED BY GOVERNMENTAL ORDINANCES, LAWS, RULES, OR REGULATIONS.
- FINAL ACCEPTANCE OF WORK SHALL BE SUBJECT TO THE CONDITION THAT ALL SYSTEMS, EQUIPMENT, APPARATUS, AND APPLIANCES OPERATE SATISFACTORILY AS DESIGNED AND INTENDED; WORK SHALL INCLUDE REQUIRED REPLACEMENT, ADJUSTMENT OF SYSTEMS AND CONTROL EQUIPMENT AND ALL REQUIRED PROGRAMMING INSTALLED. PROVIDE FOR ALL WORK INDICATED ON DRAWINGS OR AS REASONABLY IMPLIED. PROVIDE NECESSARY MATERIALS AND ACCESSORIES FOR THE INSTALLATION OF FIXTURES, EQUIPMENT, ETC AS REQUIRED FOR COMPLETE AND FUNCTIONAL OPERATION AS NOTED ON DRAWINGS OR IN NOTES.
- ACCESS PANELS SHALL BE PROVIDED WHEREVER NECESSARY TO PROVIDE ACCESS TO VALVES, JUNCTION BOXES, ETC., LOCATED IN CONCEALED SPACES. PROVIDE COVER FOR ANY OPEN JUNCTION BOXES.
- THE CONTRACTOR SHALL CONTACT THE OWNER AND COORDINATE ALL OUTAGES 5 DAYS PRIOR TO ANY SHUT-OFF OF SERVICES.
- PROVIDE ALL FIRE RATED MATERIAL FOR PATCH AND REPAIR FOR ALL FIRE RATED ASSEMBLIES. ALL OPENINGS SHALL BE SEALED AND CLOSED IN APPROVED MANNER. PROVIDE SLEEVE WHERE NEEDED DUE TO SCOPE OF WORK.
- THE CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING.
- PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- PROVIDE PULL BOXES AS REQUIRED TO PROPERLY INSTALL THE RACEWAYS AND CIRCUITS INDICATED.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH ROT-PROOF PULL-TAPE, LABELED AT EACH END. ALL CONDUITS SHALL BE PROVIDED WITH PLASTIC BUSHINGS WHERE TERMINATED OPEN-ENDED.
- PROVIDE ALL RACEWAYS, SLEEVES, BOXES, TO CABLE TRAY AS INDICATED FOR THE OWNER PROVIDED DATA, PHONE, TV CABLE SYSTEM. COORDINATE EXACT REQUIREMENTS WITH THE OWNER AND OWNER CABLING CONTRACTOR. EXISTING CABLE TRAY IN CORRIDORS SHALL REMAIN.
- REMOVE ALL UNUSED CONDUIT, CONDUCTORS, PULL BOXES, ETC. FOR DEMOLISHED ITEMS, TURN OFF BREAKERS AND LABEL AS "SPARE" IN THE PANELBOARD DIRECTORY.
- OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL DEMOLISHED MATERIALS AND EQUIPMENT. STORE ITEMS ON SITE AS DIRECTED BY OWNER SPECIFICALLY FOR POE CLOCKS NOTED TO BE REMOVED.
- WHERE DEMOLISHED ELECTRICAL DEVICES ARE PART OF A CIRCUIT THAT IS THRU-WIRED OR HAS ADDITIONAL DEVICES ON THE CIRCUIT THAT ARE TO REMAIN UNCHANGED, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE EXISTING CIRCUIT. ANY ADDITIONAL CONDUIT, WIRING, BOXES, ETC. NEEDED TO MODIFY THE EXISTING CIRCUIT TO MAINTAIN THE INTEGRITY ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE BASE BID.
- EXISTING CONDITIONS ON THIS SET OF BID DOCUMENTS WERE TAKEN FROM EXISTING DRAWINGS, LIMITED SITE VISITS, AND VISUAL OBSERVATIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CHANGE ORDERS WILL NOT BE PAID DUE TO UNANTICIPATED CONDITIONS TO MEET INTENT OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEMS AS REQUIRED DUE TO CONSTRUCTION WORK. MAINTAIN ALL FIRE RATINGS.
- REMOVE ALL UNUSED CONDUIT AND WIRING LOCATED WITHIN WALLS TO BE DEMOLISHED.
- ALL FIRE ALARM WORK SHALL BE DONE FROM THE CURRENT SYSTEM VENDOR DIRECT FOR OWNER. E/C SHALL BE RESPONSIBLE FOR ANY WALL ROUGH-IN REQUIRED.
- LIGHTING CONTROLS BY WATTSTOPPER, LUTRON, AND LEVITON.
- PROVIDE CONDUCTORS FOR LISTED APPLICATIONS AS FOLLOWS:
 LIGHTING AND RECEPTACLE CIRCUITS: TYPE THHN, 600 VOLT, 75 DEGREE C (194 DEGREE F) THERMOPLASTIC INSULATED BUILDING CONDUCTOR.
- ALL WIRING SHALL BE CONCEALED IN ALL FINISHED SPACES. ALL WIRING SHALL BE IN CONDUIT UNLESS OTHERWISE NOTED. FLEXIBLE CONDUIT SHALL BE ACCEPTABLE FOR CONNECTIONS TO LIGHT FIXTURES AND WHERE NEW DEVICES ARE INSTALLED IN EXISTING WALLS.
- ALL RECEPTACLES SHALL BE AT 18" AFF UNLESS NOTED OTHERWISE.
- DUPLEX RECEPTACLES SHALL BE HUBBELL MODEL 5352 20A, 125V, NEMA CONFIGURATION 5-20R WHITE DUPLEX RECEPTACLE WITH STAINLESS STEEL COVERPLATE TO MATCH EXISTING.
- CONTRACTOR SHALL PROVIDE A MODIFIED CIRCUIT DIRECTORY FOR ANY PANELS WITH REVISIONS AS NOTED ON PLANS.
- CONTRACTOR RESPONSIBLE FOR ALL PATCH AND REPAIR OF EXISTING SURFACES AS REQUIRED FOR THE INSTALLATION OF NEW DEVICES. REMOVE AND REPLACE DEVICES ON EXISTING WALL AS NEEDED FOR NEW FINISHES. PROVIDE EXTENSION RINGS WHERE REQUIRED.
- WHERE A RECEPTACLE AND DATA AND/OR PHONE DEVICES ARE INDICATED SIDE BY SIDE, THE CONTRACTOR SHALL INSTALL DEVICES SUCH THAT DISTANCE BETWEEN DOES NOT EXCEED 6".
- CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, ACCESSORIES, AND MATERIAL FURNISHED UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE.
- OWNER SHALL REMOVE ANY DATA CABLES AND JACKS NOTED TO BE DEMOLISHED AND REINSTALL IN NEW LOCATIONS AS REQUIRED. COORDINATE WITH THE OWNER AND DO NOT DISTURB OR DAMAGE ANY COILED CABLES.



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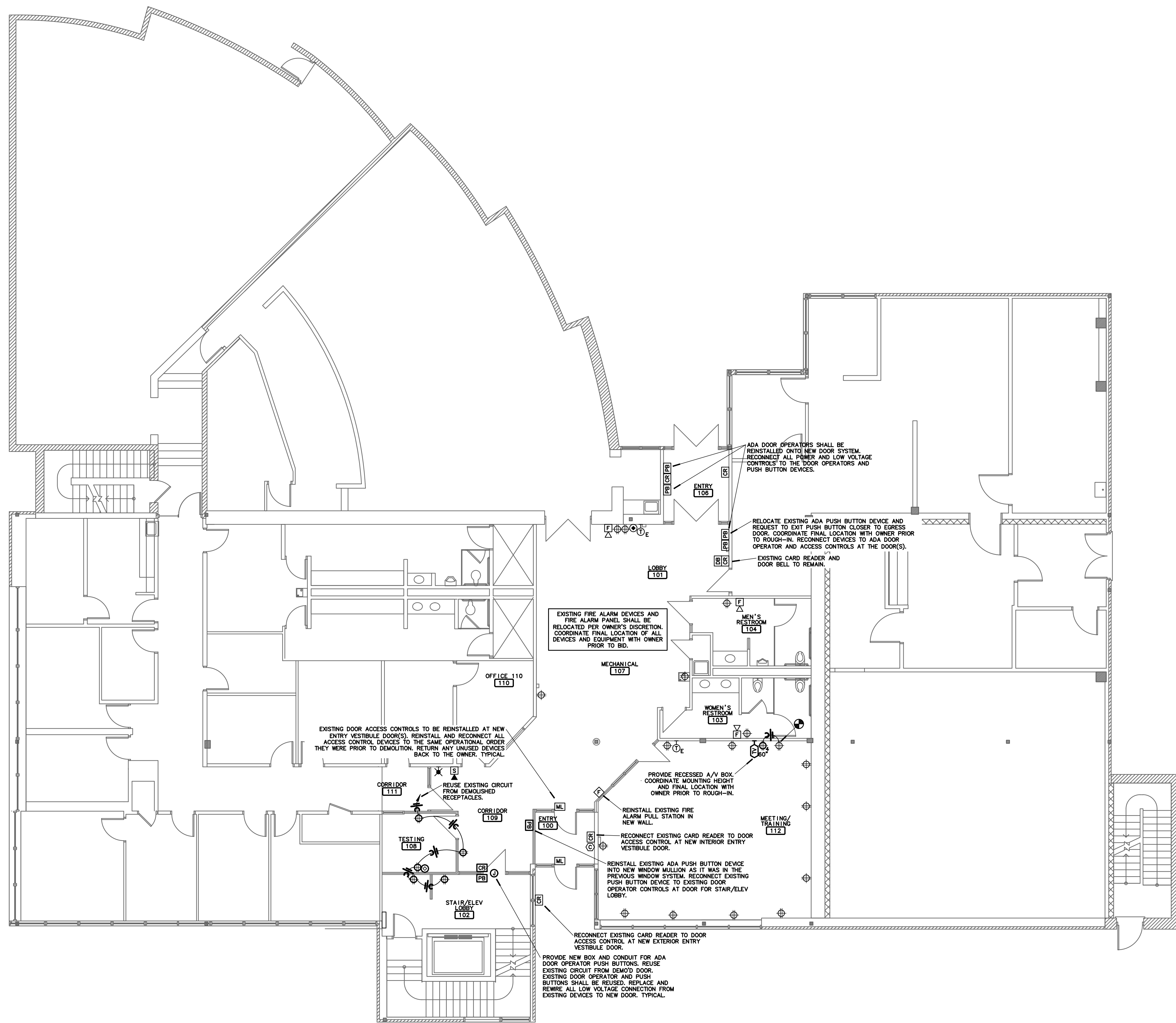


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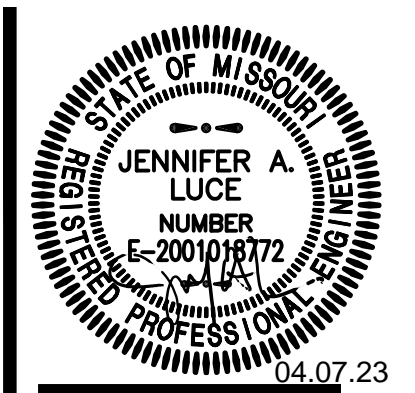
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1 POWER IMPROVEMENT PLAN
E2 SCALE: 1/8"=1'-0"



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