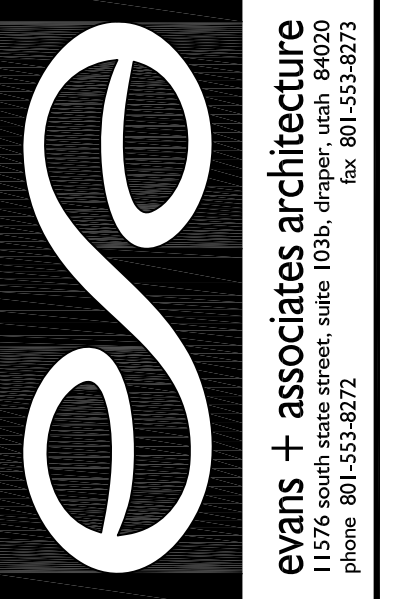


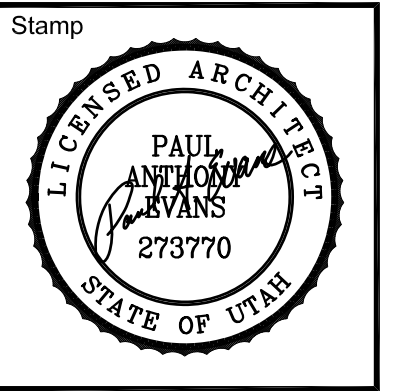
A R&I for:

Highland UT Lone Peak Sr Seminary Office

US Utah Valley North S&I Area



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phone (801) 553-8272 fax (801) 553-8273



A R&I for:
 Highland UT Lone Peak Sr Seminary Office
 US Utah Valley North S&I Area
 10361 North 4600 West
 Highland, Utah

Project for:
 THE CHURCH OF
 JESUS CHRIST
 OF LATTER-DAY SAINTS

SCOPE OF WORK

A Remodel to the Reception Office, an addition of an additional office and a fire alarm panel upgrade.

CODE INFORMATION

Code Item	IBC Reference Code Requirement	Actual Building Design
Occupancy Classification	Chapter 3	Educational Group E (NO CHANGE)
Construction Type	602.5	Type V-B (NO CHANGE)
Fire Sprinklers		Yes (NO CHANGE)
Allowable Building Height	Table 504.3 Educational Group E: 60 feet	30'-7 1/2" (NO CHANGE)
Allowable Stories Above Grade	Table 504.4 Educational Group E: 2	1 (NO CHANGE)
Allowable Area	Table 506.2 Educational Group E: 28,500 sf	14,322 sf (NO CHANGE)
Total Occupant Load	Table 1004.1.2	NO CHANGE
Common Path of Travel	Table 1006.2.1	NO CHANGE
Maximum Travel Distance	Table 1017.2	NO CHANGE

VICINITY MAP



DRAWING INDEX

- GENERAL
- G101 COVER AND INDEX SHEET
- ARCHITECTURAL
- D101 DEMOLITION FLOOR PLAN
- A101 DEMOLITION FLOOR PLAN
- ELECTRICAL
- E101 SYMBOLS AND NOTES
- E201 ELECTRICAL DEMOLITION PLAN
- E301 ELECTRICAL PLAN
- E302 ELECTRICAL DETAILS

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skingery@envisioneng.com

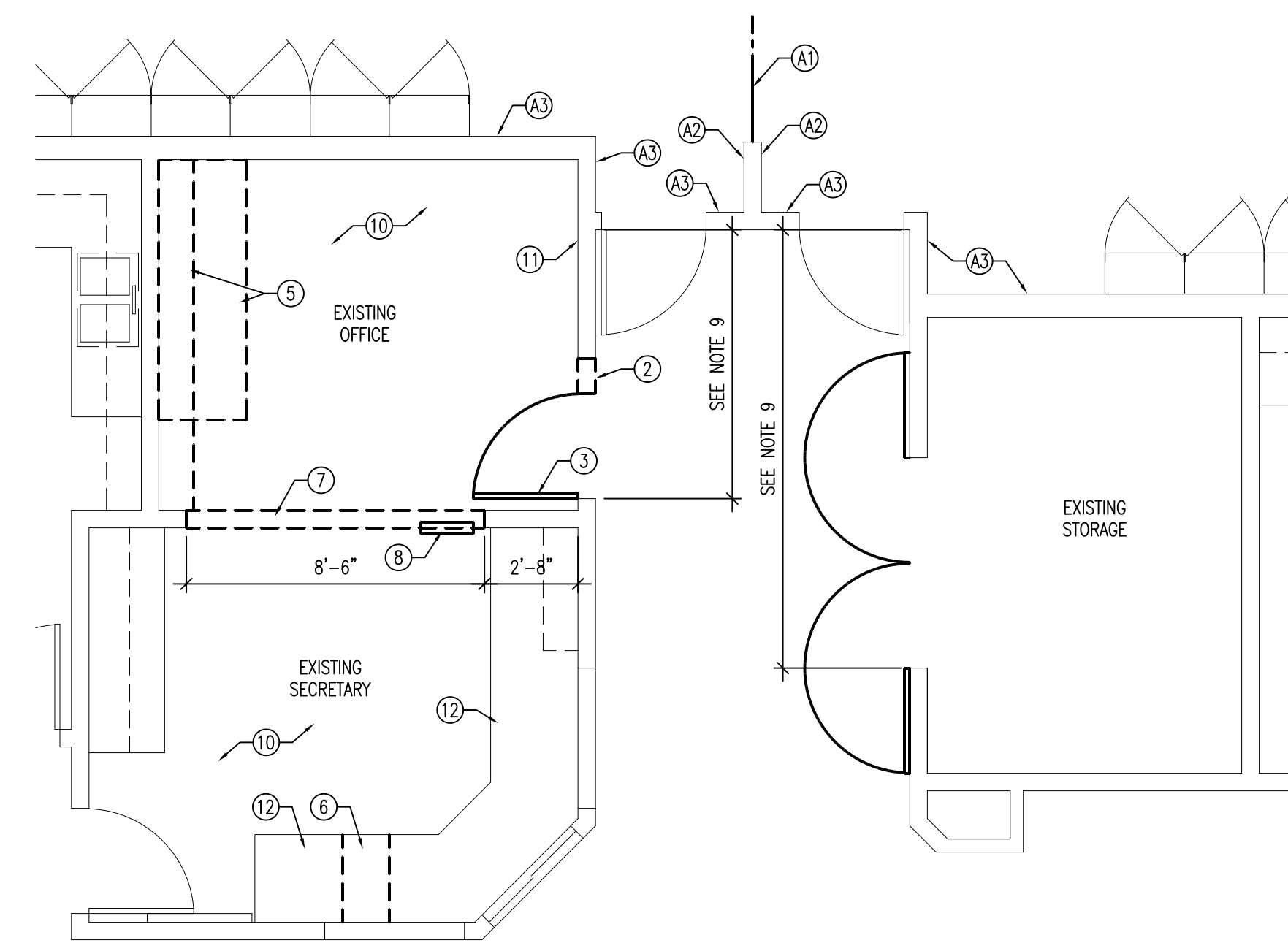
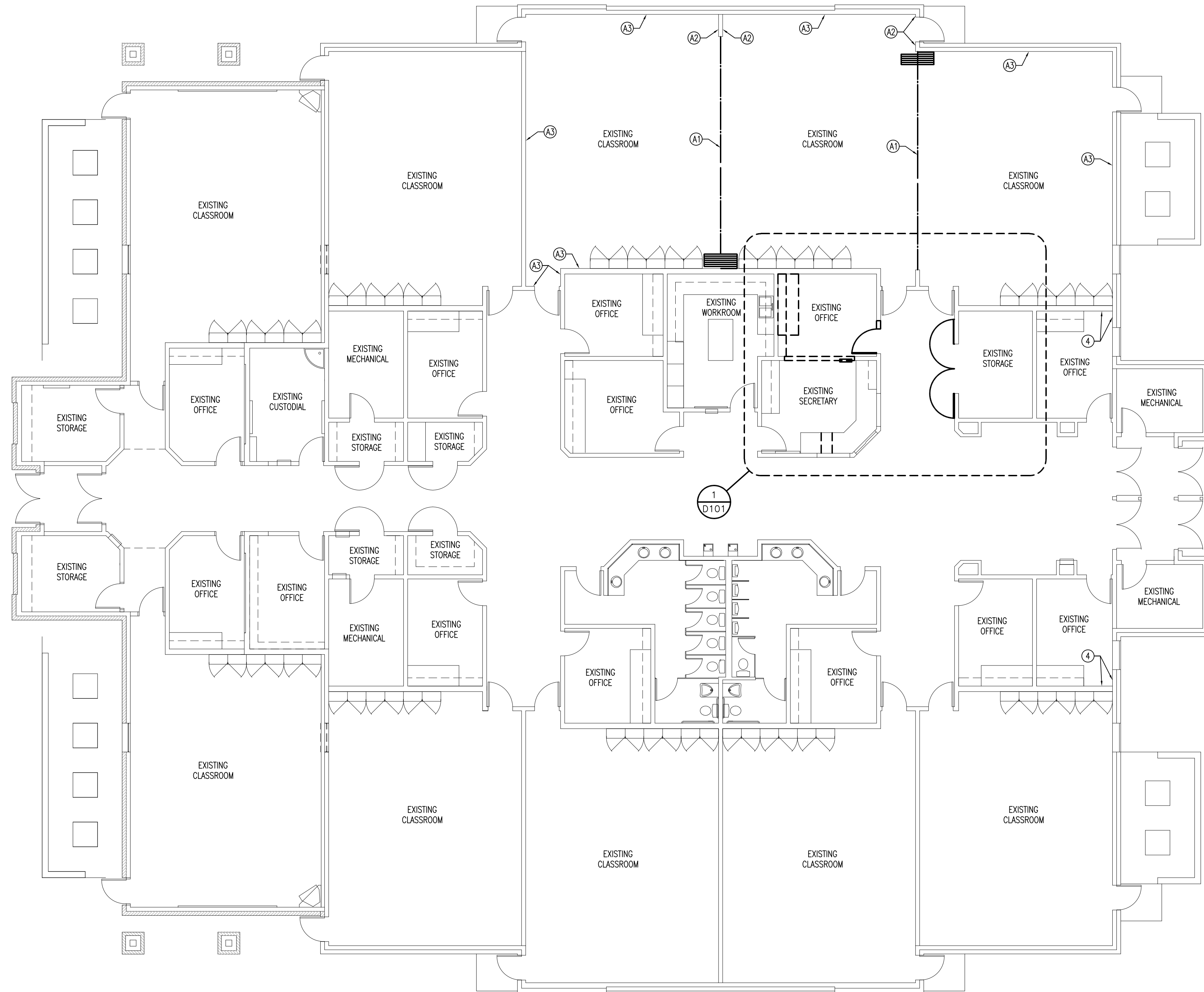
Revisions	Description	Date	Mark

Project Number
19-09
Plan Series
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Property Number
544815819020101
Date
March 4, 2019

Sheet Title

COVER SHEET

Sheet
G101



1 DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES

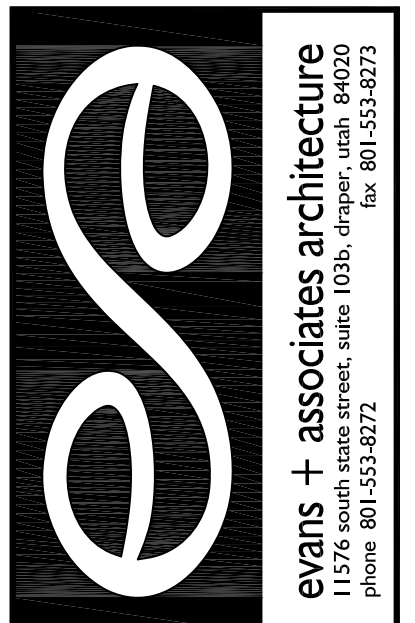
1. REMOVE EXISTING WALL CARPET
2. REMOVE EXISTING WALL FRAMING AND WALL FINISHES AS NEEDED FOR NEW WINDOW OPENING, COORDINATE WITH NEW CONSTRUCTION
3. REMOVE EXISTING WOOD DOOR, HOLLOW METAL FRAME AND ASSOCIATED HARDWARE, SALVAGE DOOR HOLD OPEN FOR REUSE
4. REMOVE EXISTING WOOD CEILING TRIM, SALVAGE FOR REUSE
5. REMOVE EXISTING CABINTRY, COUNTERTOP, UPPER CABINETS, SALVAGE FOR REUSE
6. REMOVE EXISTING DRAWER/LATERAL CABINET, SALVAGE FOR REUSE
7. REMOVE EXISTING WALL FRAMING AND ASSOCIATED WALL FINISHES, STOP OPENING AT 4" BELOW EXISTING CEILING
8. REMOVE EXISTING FIRE ALARM PANEL, SEE ELECTRICAL
9. REMOVE EXISTING CARPET BASE, WOOD CARPET BASE TRIM, WALL SISAL, WOOD CHAIR RAIL AND WALL FABRIC, SALVAGE WOOD CARPET BASE TRIM AND WOOD CHAIR RAIL
10. REMOVE EXISTING CARPET
11. REMOVE EXISTING RETURN GRILL, CAP AT TRUNK LINE
12. REMOVE EXISTING COUNTERTOP

BID ALTERNATE #1

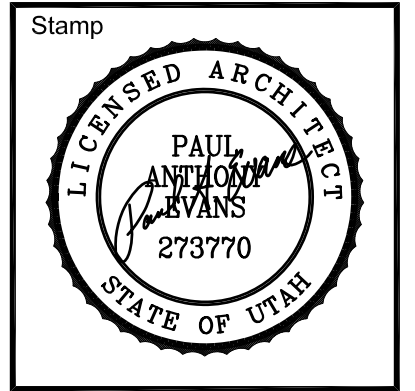
- A1. REMOVE EXISTING FOLDING PANEL DOOR
- A2. REMOVE EXISTING WALL CARPET, WOOD CHAIR RAIL, WALL SISAL AND CARPET BASE
- A3. REMOVE EXISTING WALL CARPET AND WOOD CEILING TRIM, SALVAGE WOOD CEILING TRIM FOR REUSE

GENERAL NOTES

1. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
2. ALL ITEMS ARE EXISTING AND ARE TO REMAIN UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR OR SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING UPON DISCOVERY.
4. ALL PROPERTY DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OWNER.
5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.



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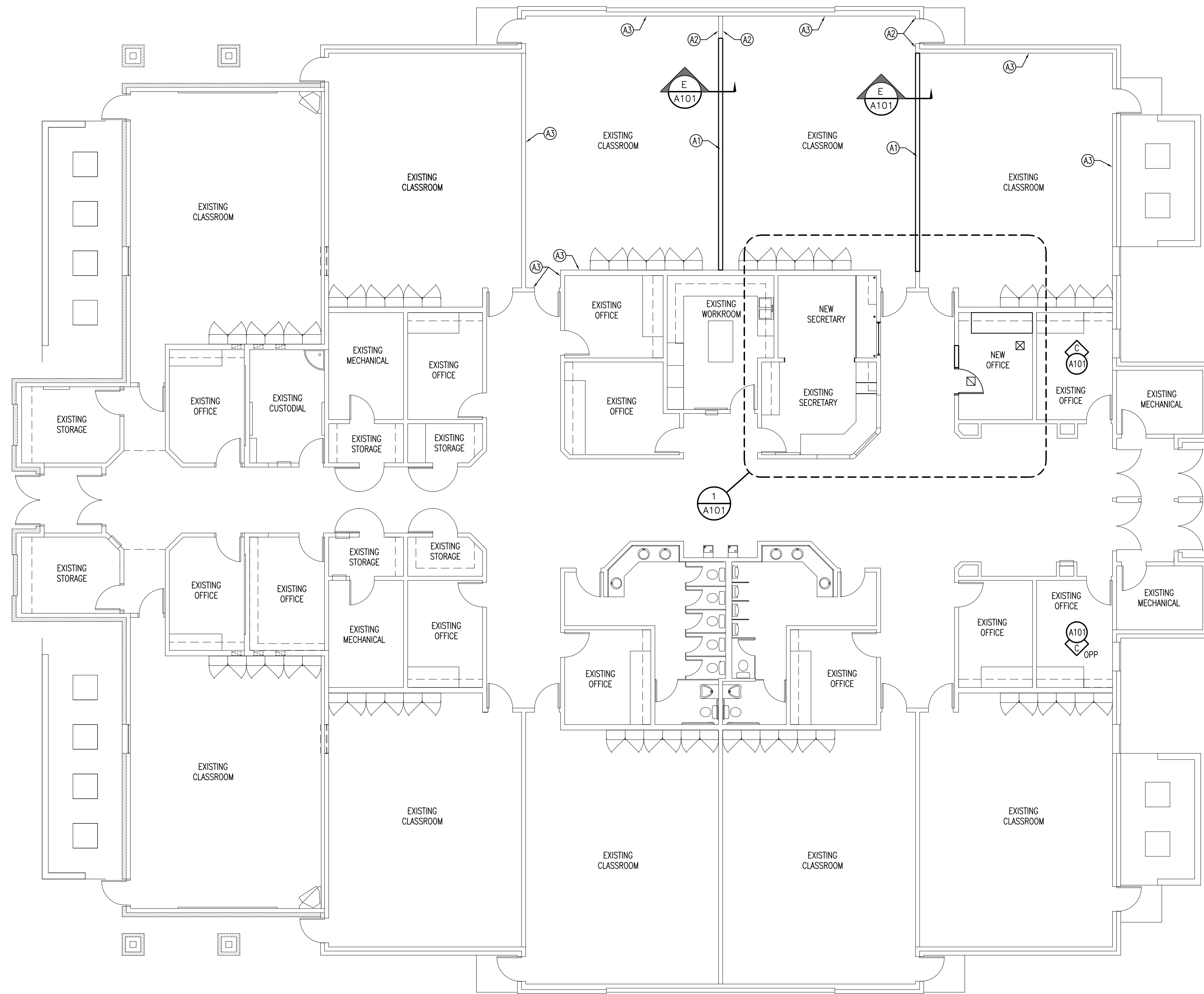
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions	Description	Date	Mark

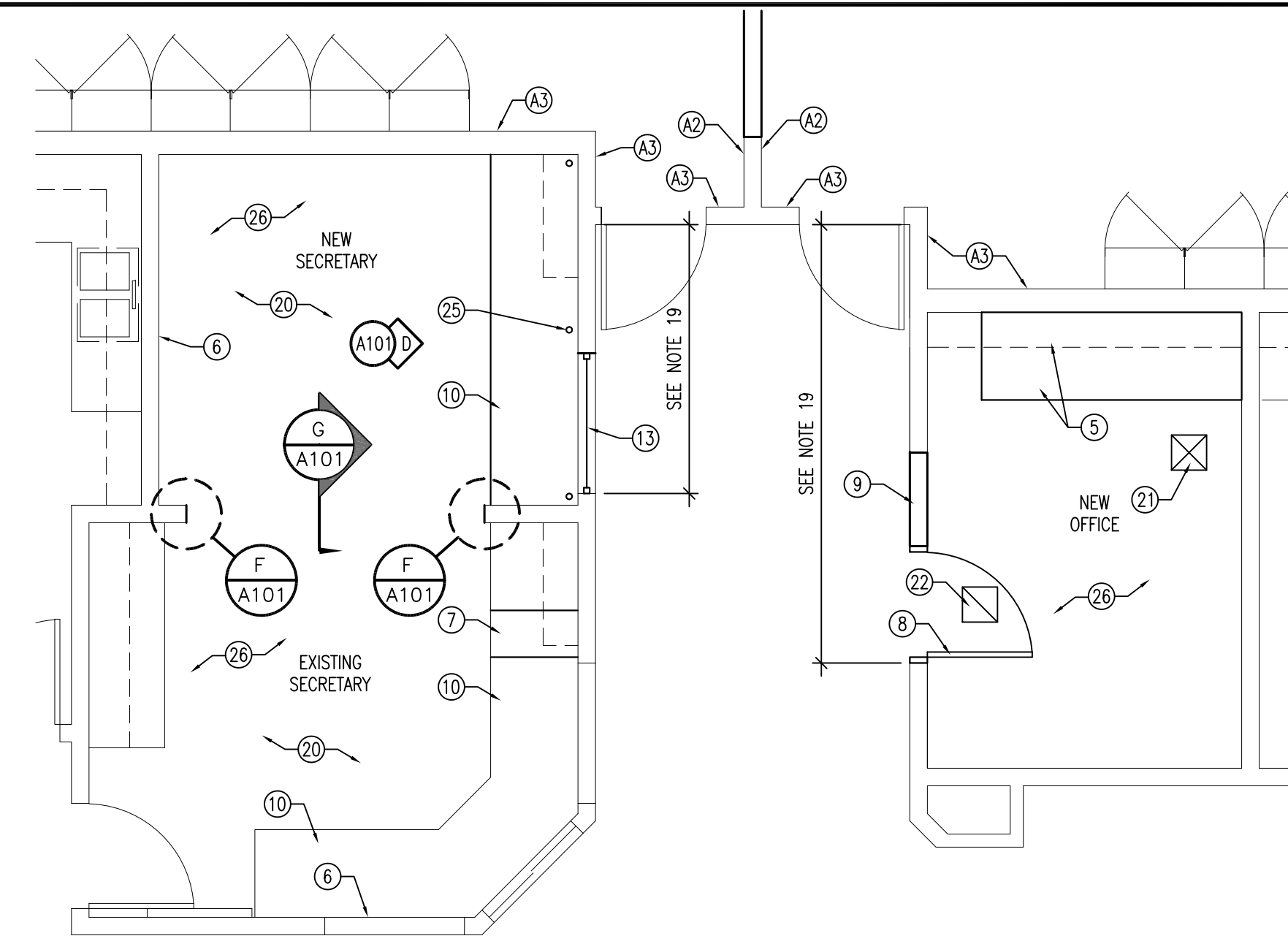
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DEMOLITION FLOOR PLAN

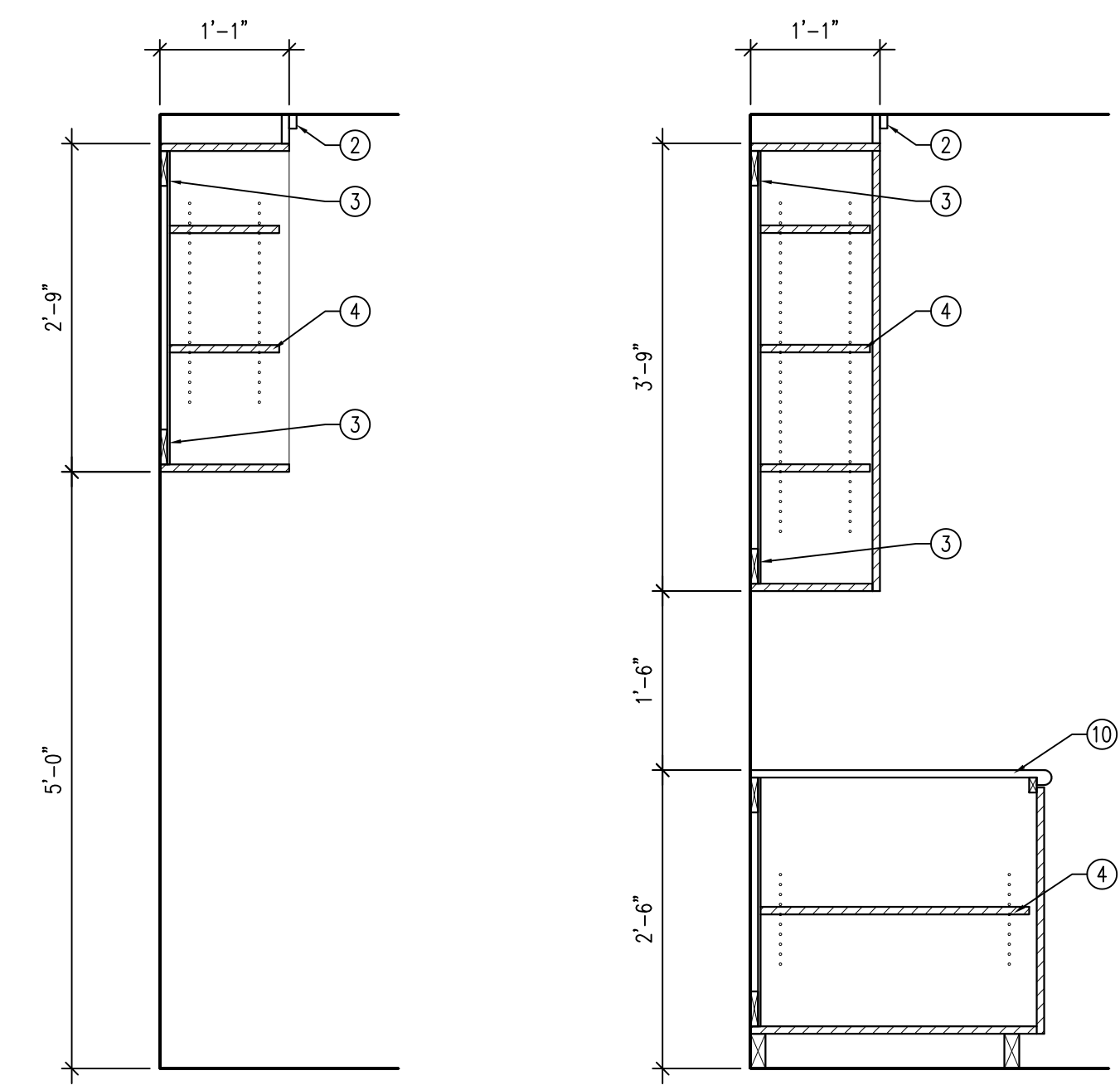
Sheet
D101



FLOOR PLAN
SCALE: 1/8" = 1'-0"



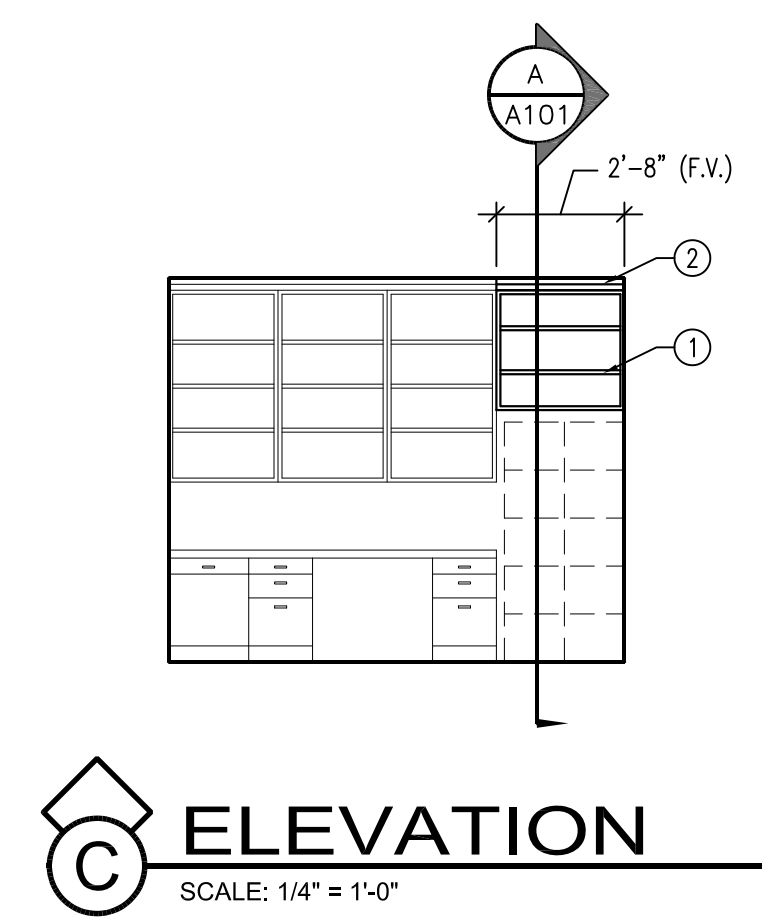
1 DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"



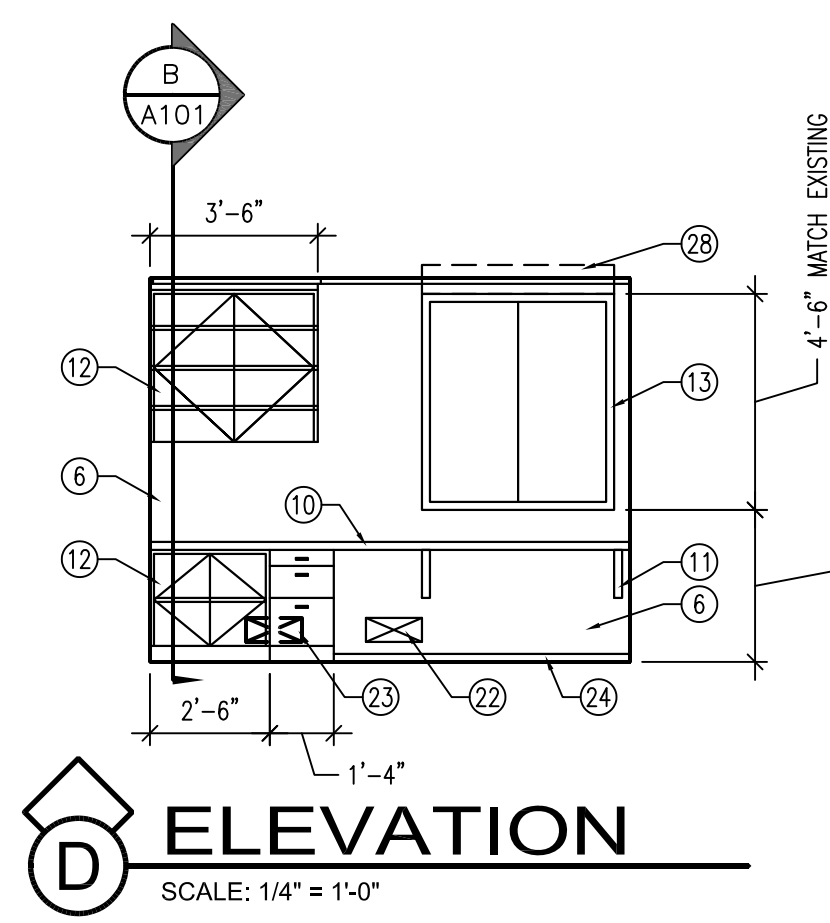
A SECTION
SCALE: 3/4" = 1'-0"

B SECTION
SCALE: 3/4" = 1'-0"

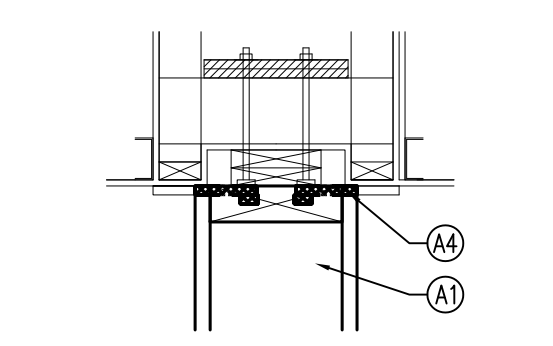
- KEYED NOTES**
- NEW UPPER CABINET
 - INSTALL SALVAGED WOOD CEILING TRIM
 - 1x4 CONTINUOUS MOUNTING TRIP WITH 1/4" SCREWS AT 16" O.C. TOP AND BOTTOM INTO STUDS
 - ADJUSTABLE SHELVES
 - INSTALL SALVAGED CABINERY, COUNTERTOP AND UPPER CABINETS, MODIFY UPPER CABINETS AS NECESSARY TO FIT IN THE REDUCED SPACE
 - PATCH AND REPAIR EXISTING GYPSUM BOARD WALL, PAINT
 - INSTALL SALVAGED DRAWER/LATERAL CABINET
 - NEW 3'-0" x 7'-0" SOLID CORE WOOD DOOR WITH A 6" x 2'-0" VIEW WINDOW (MATCH EXISTING) WITH A HOLLOW METAL DOOR FRAME. HOLLOW METAL DOOR FRAME SHALL BE FILLED WITH BATT INSULATION. HARDWARE INCLUDES: 3 HINGES, SMOKE GASKETS, OFFICE LOCKSET, SALVAGED DOOR HOLD OPEN
 - NEW 2x WALL FRAMING TO MATCH EXISTING WITH 5/8" GYPSUM BOARD ON EACH SIDE
 - NEW COUNTERTOP TO MATCH EXISTING COLOR AND STYLE
 - COUNTERTOP BRACKET, PAINT
 - NEW CABINET TO MATCH EXISTING COLOR AND STYLE
 - NEW 4'-0" x 4'-0" SLIDING GLASS WINDOW WITH LOCK (1/4" TEMPERED)
 - NEW 3/4" x 7" HARDWOOD TRIM TO MATCH EXISTING
 - NEW 5/8" GYPSUM BOARD
 - PATCH WALL FABRIC
 - REINSTALL SALVAGED WOOD CEILING TRIM
 - NEW (3) 2x8 HEADER WITH 1/2" SHEATHING SHIMS WITH (1) BEARING STUD AND (2) KING STUDS (IF IT IS DISCOVERED THAT THIS IS A BEARING WALL DURING CONSTRUCTION, THE ARCHITECT SHALL BE NOTIFIED)
 - NEW WALL FINISHES
 - NEW CARPET BASE (FROM OWNER STOCK)
 - NEW WOOD CARPET BASE TRIM TO MATCH EXISTING
 - NEW WALL SIGAL (FROM OWNER STOCK)
 - NEW WOOD CHAIR RAIL TO MATCH EXISTING
 - NEW WALL FABRIC (FROM OWNER STOCK)
 - NEW CARPET
 - NEW SUPPLY GRILL, CONNECT TO EXISTING SUPPLY DUCTWORK
 - NEW RETURN GRILL, CONNECT TO EXISTING RETURN DUCTWORK
 - REMOVE EXISTING RETURN GRILL, CAP AT TRUNK LINE
 - NEW WOOD BASE TRIM, MATCH EXISTING
 - GROMMET, TYPICAL OF (3)
 - PAINT ALL WALLS IN OFFICE
 - (1) BEARING STUD AND (2) KING STUDS (IF IT IS DISCOVERED THAT THIS IS A BEARING WALL DURING CONSTRUCTION, THE ARCHITECT SHALL BE NOTIFIED)
 - NEW (2) 2x8 HEADER WITH 1/2" SHEATHING SHIMS WITH (1) BEARING STUD AND (1) KING STUDS (IF IT IS DISCOVERED THAT THIS IS A BEARING WALL DURING CONSTRUCTION, THE ARCHITECT SHALL BE NOTIFIED)



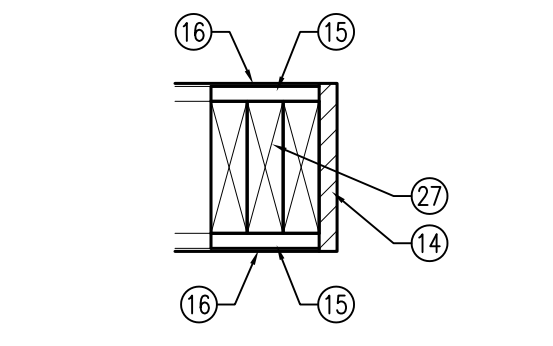
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SCALE: 1/4" = 1'-0"



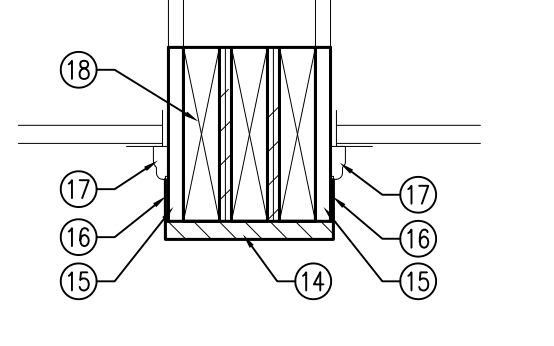
D ELEVATION
SCALE: 1/4" = 1'-0"



E DETAIL
SCALE: 1 1/2" = 1'-0"



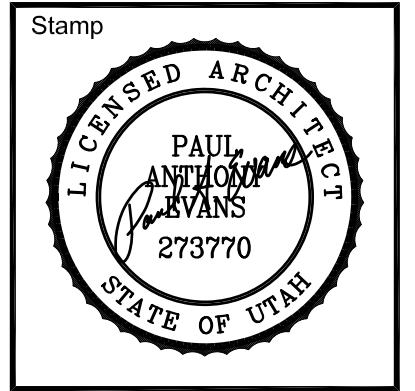
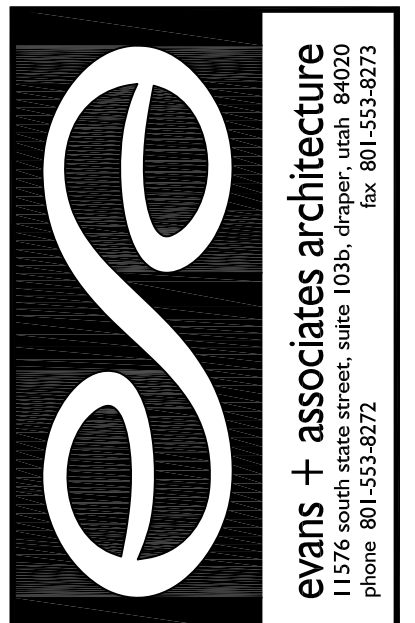
F DETAIL
SCALE: 1 1/2" = 1'-0"



G DETAIL
SCALE: 1 1/2" = 1'-0"

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GENERAL NOTES	BID ALTERNATE #1
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US Utah Valley North S&I Area
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 Highland, Utah

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FLOOR PLAN

Sheet
A101

ABBREVIATION SCHEDULE			
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.			
A	ABOVE COUNTER	ISO	ISOLATED
A	AMP OR AMPS	KVA	KILO VOLT AMPERES
ADJ	ADJACENT	KW	KILOWATTS
AFF	ABOVE FINISHED FLOOR	LFMC	LIQUID-TIGHT METAL CONDUIT
AHJ	AUTHORITY HAVING JURISDICTION	LFNC	LIQUID-TIGHT NONMETAL CONDUIT
AL	ALUMINUM	MCA	MINIMUM CIRCUIT AMPS
C	CONDUIT	MLO	MAIN LUGS ONLY
CB	CIRCUIT BREAKER	N.C.	NORMALLY CLOSED
C.O.S	CIRCUIT	N.I.C.	NOT IN CONTRACT
CU	CONVENIENCE OUTLETS	N.L.	NIGHT LIGHT
EA	COPPER	N.O.	NORMALLY OPEN
EM	ELECTRICAL	O.C.	ON CENTER(S)
EMT	ELECTRIC METALLIC TUBING	OOP	OVER CURRENT PROTECTION
ENT	ELECTRIC NONMETALLIC TUBING	QTY	QUANTITY
EQUIP	EQUIPMENT	R	REMOVE
EWC	ELECTRIC WATER COOLER	REQ.	REQUIREMENTS
E.X	EXISTING	RMC	RIGID METAL CONDUIT
EXP	EXPLOSION PROOF	RNC	RIGID NONMETALLIC CONDUIT
FA	FIRE ALARM	RR	REMOVE AND RELOCATE
FACP	FIRE ALARM CONTROL PANEL	SS	SURGE SUPPRESSION
FLA	FULL LOAD AMPS	SCP	SECURITY CONTROL PANEL
FMC	FLEXIBLE METAL CONDUIT	TR	TAMPER RESISTANT
FOB	FREIGHT ON BOARD	TYP	TYPICAL
GND	GROUND CONDUCTOR	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
HOA	HAND-OFF-AUTO	UG	UNDERGROUND
HP	HORSE POWER	U.O.	UNLESS NOTED OTHERWISE
IG	ISOLATED GROUND	W/	WITH
IMS	INTERMEDIATE METAL CONDUIT	WP	WEATHER PROOF
	INSULATED	XFMR	TRANSFORMER

GENERAL PROJECT NOTES:

- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATION SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES WITHOUT ADDITIONAL COSTS TO OWNER. THERE WILL BE NO EXCEPTIONS.
- THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING, AT THEIR DISCRETION, WITH THE ELECTRICAL ENGINEER TO REVIEW THE DRAWINGS AND SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE.
- THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS. THESE ITEMS ARE NOT ALL INCLUSIVE, AND THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE TO ALL REQUIREMENTS OF THE SPECIFICATIONS:
 - INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZES USED ON THIS PROJECT.
 - A #10 AWG NEUTRAL CONDUCTOR WILL BE PROVIDED FOR ALL LIGHTING CIRCUITS.
 - THE CONTRACTOR IS RESPONSIBLE FOR UPSIZING CONDUCTORS FOR VOLTAGE DROP PER THE NEC REGARDLESS OF WHETHER IT IS SHOWN ON THE PLANS OR NOT.
 - THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS.
 - THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL LIGHT FIXTURES AND ELECTRICAL EQUIPMENT AS REQUIRED BY APPLICABLE LOCAL AND NATIONAL CODES.
- THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED TO A SPECIFIC AREA OF THE BUILDING. NO DEVIATION WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE ELECTRICAL ENGINEER.
- AT A MINIMUM THE CONTRACTOR SHALL INSTALL THE WIRE SIZE AS CALLED OUT ON THE PANELBOARD SCHEDULES. HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE WIRE IS SIZED LARGE ENOUGH TO ALLOW FOR VOLTAGE DROP.
- THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
- THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO ADDITIONAL PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY HIS FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.

GENERAL DEMOLITION NOTES:

- UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK & DASHED LINES. LIGHT & SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS 'SPARE' WITH CIRCUIT NO., ZONE NO., OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILING, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILING, ROOFS, ETC.
 - COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.

LIGHTING SYMBOLS			
1. LIGHT FIXTURE SYMBOLS ARE GENERAL IN NATURE AND MAY BE SHOWN ON THE DRAWINGS IN VARIOUS SIZES AND SHAPES. REFER TO THE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION INFORMATION.			
2. ARROWS INDICATE AIMING DIRECTION.			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ARM-MOUNTED SINGLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	ARM-MOUNTED DOUBLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	POST-TOP SINGLE-HEAD, LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT BOLLARD	AS SPECIFIED OR DETAILED	
	FLOOD LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL FIXTURE OR STEP LIGHT	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	FLUORESCENT LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	PARABOLIC - LOUVERED LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	RECESSED INDIRECT FLUORESCENT LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR FLUORESCENT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	FLUORESCENT LINEAR WALL WASHER	AS SPECIFIED OR DETAILED	
	RECESSED DOWN LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL-WASHER OR DIRECTIONAL DOWNLIGHT	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	SURFACE OR PENDANT-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	TRACK OR MONO-POINT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	WALL SCONCE	AS SPECIFIED OR DETAILED	
	FLUORESCENT EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY.
	FLUORESCENT EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	DARKENED PORTION OF SIGN INDICATES FACE(S); ARROW(S) INDICATE CHEVRON DIRECTION(S)
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	
	WALL-MOUNTED EXIT SIGN W/ EMERGENCY LIGHT FIXTURE	WALL ABOVE DOOR	
	TIME CLOCK	+60"	
	EMERGENCY LIGHT FIXTURE	AS NOTED	
	ELECTRIC PHOTOCELL	N/A	MOUNT ON ROOF FACING NORTH SKY
	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		

BRANCH CIRCUITING SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
	1 CIRCUIT, 2 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.
	2 CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	SHORT CROSS LINES: NUMBER OF SHORT CROSS LINES INDICATES NUMBER OF PHASE, TRAVELER, AND/OR SWITCHED CONDUCTORS REQUIRED IF GREATER THAN 1 (ONE).
	3 CIRCUIT, 6 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	LONG CROSS LINES: NUMBER OF LONG CROSS LINES INDICATES NUMBER OF NEUTRAL CONDUCTORS REQUIRED FOR MULTI-WIRE HOME RUNS.
	MULTIPLE WIRE BRANCH CIRCUITING BETWEEN FIXTURES, SWITCHES, DEVICES, ETC.	EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS: EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS ARE NOT SHOWN, BUT ARE REQUIRED AS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
	BRANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) TURNED DOWN OR AWAY FROM OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) CONTINUATION	
	CONDUIT STUB-IN	CAP AND MARK
	INCOMING SERVICE	
	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE

GEAR AND CONTROL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
	ELECTRIC MOTOR		
	NON-FUSED DISCONNECT SWITCH	+60"	
	FUSED DISCONNECT SWITCH	+60"	
	CIRCUIT BREAKER AND ENCLOSURE	+60"	
	MAGNETIC STARTER	+60"	
	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	+60"	
	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	+60"	
	COMB. MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	+60"	
	COMB. VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
	REDUCED VOLTAGE STARTER	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
	LOAD CENTER (SURFACE-MOUNTED)	TOP AT +72"	14"W X 3"D
	LOAD CENTER (FLUSH-MOUNTED)	TOP AT +72"	14"W X 3"D
	LIGHTING AND APPLIANCE PANELBOARD (SURFACE-MOUNTED)	TOP AT +72"	20"W X 6"D
	LIGHTING AND APPLIANCE PANELBOARD (FLUSH-MOUNTED)	TOP AT +72"	20"W X 6"D
	POWER DISTRIBUTION PANELBOARD	WALL	THESE SYMBOLS ARE GENERAL IN NATURE AND MAY VARY IN SIZE AND SHAPE TO SUIT APPLICATION. CROSS HATCHING INDICATES "MAIN PANELBOARD OR SWITCHBOARD" NAME IS INDICATED IN SEMI-QUOTES (I.E. 'L2A', 'MDP')
	SWITCHBOARD	FLOOR	
	METER BASE	TOP AT +72"	
	OPEN - STOP - CLOSE SWITCH	+60"	FURNISH SWITCH UNLESS FURNISHED BY ANOTHER DIVISION. INSTALL AND CONNECT COMPLETE. REFER TO RELATED SPECIFICATION SECTIONS.
	HVAC THERMOSTAT	+60"	PROVIDED BY DIVISION 15000 U.N.O.
	HAND - OFF - AUTO SWITCH	+60"	
	GROUND FAULT PROTECTION		

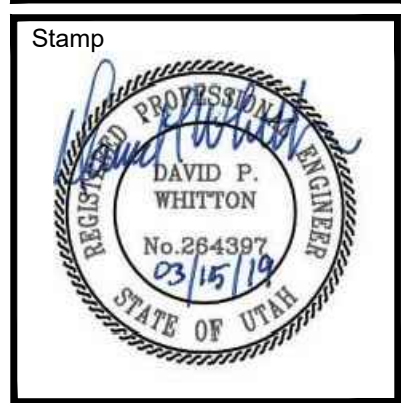
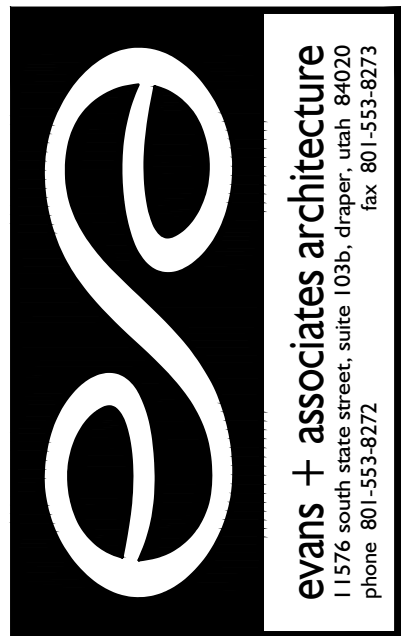
WIRING DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SINGLE-POLE TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH	+48"	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
	DOUBLE-POLE TOGGLE SWITCH	+48"	
	THREE-WAY TOGGLE SWITCH	+48"	
	FOUR-WAY TOGGLE SWITCH	+48"	
	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE
	TIMER SWITCH	+48"	
	(2) SINGLE-POLE TOGGLE SWITCH	+48"	DUAL LEVEL SWITCH OUTBOARD LAMPS SEPARATELY FROM INBOARD LAMPS.
	LOW VOLTAGE MOMENTARY CONTACT SWITCH	+48"	
	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON; CENTER-NEUTRAL; DOWN-OFF
	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON; CENTER-OFF; DOWN-ON
	OCCUPANCY SENSOR	AS NOTED	CEILING MOUNTED WITH SUBSCRIPT 'C'; WALL-MOUNTED WITH SUBSCRIPT 'W'
	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
	SIMPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	FOURPLEX RECEPTACLE	+18"	
	125/250V RECEPTACLE	+18"	RANGE - NEMA 14-50R DRYER - NEMA 14-30R
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
	EMERGENCY DUPLEX RECEPTACLE	+18"	
	EMERGENCY FOURPLEX RECEPTACLE	+18"	
	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKSPLASH	
	POWER / TELEPHONE POLE	FLOOR/CEILING	
	CORD DROP WITH DUPLEX RECEPTACLE	+18"	REFER TO DETAIL
	SPECIAL PURPOSE OUTLET (5-20R)	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.

TELEPHONE / DATA SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	TELEPHONE OUTLET	+18"	
	DATA OUTLET	+18"	
	COMBINATION TELEPHONE/DATA OUTLET	+18"	
	TELEPHONE TERMINAL BOARD	TOP AT 72"	

ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES			
1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.			
2. WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.			
3. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.			
4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.			

GENERAL SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
	KEYED NOTE	
	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER, BOTTOM LETTER-NUMBER INDICATES WHERE DETAIL IS SHOWN.
	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER, BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
	SECTION REFERENCE	TOP NUMBER INDICATES SECTION NUMBER, BOTTOM LETTER-NUMBER INDICATES WHERE SECTION IS SHOWN.
	ARCHITECTURAL ROOM NUMBER	
	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
	BREAKLINE	USED TO BREAK DRAWINGS.

FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	BEAM DETECTOR - TRANSMITTER	4" BELOW CEILING TO TOP OF DETECTOR	
	BEAM DETECTOR - RECEIVER	4" BELOW CEILING TO TOP OF DETECTOR	
	END OF LINE DEVICE	MANUFACTURER RECOMMENDED	
	TAMPER SWITCH	AT VALVE	
	WATER FLOW INDICATOR	ON FIRE RISER	
	FIRE/SMOKE DAMPER		
	HEAT DETECTOR	CEILING	
	SMOKE DETECTOR	CEILING	
	DUCT SMOKE DETECTOR	SIDE OF DUCT	
	CARBON MONOXIDE DETECTOR	CEILING	
	FIRE ALARM MANUAL STATION	+48"	
	CONTROL MODULE	AT DEVICE(S) TO BE CONTROLLED	
	MONITOR MODULE	AT DEVICE(S) TO MONITOR	
	FAN SHUTDOWN RELAY	AT FAN CONTROL PANEL	
	MAGNETIC DOOR HOLDER	COORDINATE WITH DOOR INSTALLER	COORDINATE WITH DOOR INSTALLER; SUBSCRIPT 'F' INDICATES TO MOUNT AT FLOOR LEVEL.
	WATER FLOOD INDICATOR	FLOOR	
	AUDIO HORN	80" MIN AND 96" MAX, MEASURED FROM LENS.	SUBSCRIPT 'WP' INDICATES THAT A WEATHER PROOF BACK BOX IS REQ.
	MINI AUDIO HORN		
	FIRE ALARM VISUAL STROBE		SUBSCRIPT 'C' INDICATES CEILING MOUNTING.
	FIRE ALARM AUDIO/VISUAL HORN/STROBE		IF CEILING IS LESS THAN 80", MOUNT WITHIN 6" OF CEILING.
	MINI AUDIO/VISUAL HORN/STROBE		
	FIRE ALARM AUDIO SPEAKER		NUMERIC SUBSCRIPT INDICATES CANDELLA RATINGS OF STROBE (I.E. - 15, 75, 110)
	FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
	FIRE PROTECTION SPRINKLER RISER BELL	+90"	FURNISHED BY FIRE PROTECTION CONTRACTOR AND INSTALLED AND CONNECTED BY DIV. 16000



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 Highland, Utah

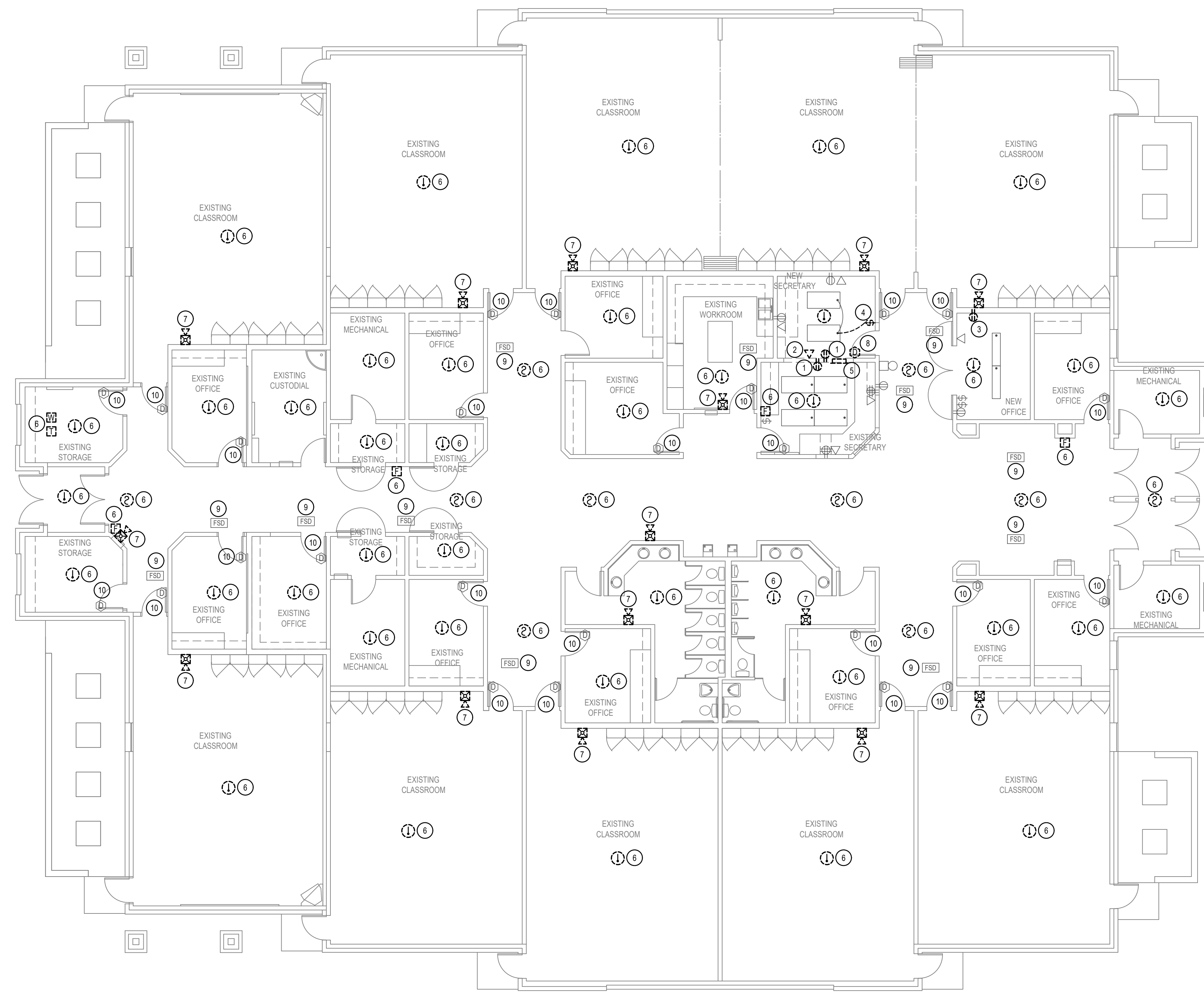
Project for:
 THE CHURCH OF
 JESUS CHRIST
 OF LATTER-DAY SAINTS

Revisions	Description	Date
Mark		

Project Number
 19-09
 Plan Series
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 Property Number
 544815819020101
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 March 4, 2019

Sheet Title
 SYMBOLS AND NOTES

Sheet
E101

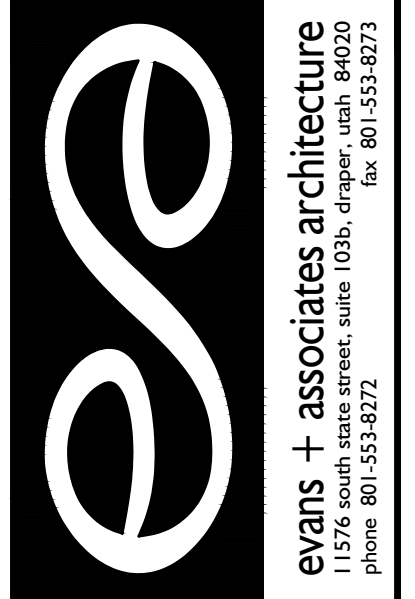


KEYED NOTES

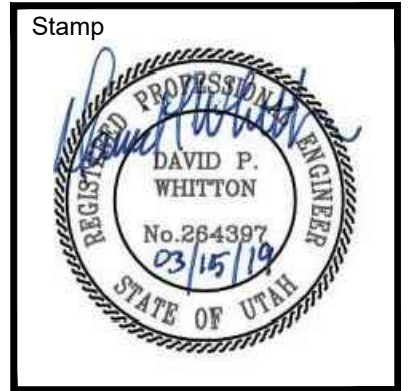
1. DISCONNECT, REMOVE AND DISPOSE OF EXISTING RECEPTACLE. REMOVE EXISTING BRANCH CIRCUIT BACK TO THE NEXT DEVICE THAT IS TO REMAIN IN PLACE. CONTRACTOR CONFIRM CIRCUIT PRIOR TO ANY REMOVAL.
2. DISCONNECT, REMOVE AND DISPOSE OF EXISTING DATA OUTLET. REMOVE DATA CABLING BACK TO THE SOURCE COMPLETELY.
3. DISCONNECT, REMOVE AND DISPOSE OF EXISTING RECEPTACLE. EXISTING BRANCH CIRCUIT TO REMAIN IN PLACE FOR REUSE. EXISTING RECEPTACLE LOCATION IS BEING RELOCATED.
4. DISCONNECT, REMOVE AND DISPOSE OF EXISTING LIGHT SWITCH. REMOVE SWITCH LEG FEEDING EXISTING LIGHT FIXTURES. EXISTING BRANCH CIRCUIT TO REMAIN IN PLACE.
5. DISCONNECT, REMOVE AND DISPOSE OF EXISTING FIRE ALARM SYSTEM CONTROL PANEL. REMOVE ALL CABLING COMPLETELY, UNLESS NOTED OTHERWISE. EXISTING BRANCH CIRCUIT TO REMAIN IN PLACE FOR REUSE. REFER TO GENERAL CONSTRUCTION NOTES FOR FIRE ALARM SYSTEM REQUIREMENTS.
6. DISCONNECT, REMOVE AND DISPOSE OF EXISTING FIRE ALARM SYSTEM INITIATING DEVICE. REMOVE CABLING BACK TO THE SOURCE COMPLETELY. EXISTING CONDUIT AND JUNCTION BOXES TO REMAIN IN PLACE FOR REUSE.
7. DISCONNECT, REMOVE AND DISPOSE OF EXISTING FIRE ALARM SYSTEM NOTIFICATION DEVICE. REMOVE CABLING BACK TO THE SOURCE COMPLETELY. EXISTING CONDUIT AND JUNCTION BOXES TO REMAIN IN PLACE FOR REUSE.
8. DISCONNECT, REMOVE AND RETURN TO OWNER EXISTING DOOR HOLDER. REMOVE CABLING BACK TO THE NEXT DEVICE THAT IS TO REMAIN IN PLACE.
9. DISCONNECT EXISTING FIRE/SMOKE DAMPER FROM EXISTING FIRE ALARM SYSTEM. EXISTING DAMPER AND BRANCH CIRCUIT TO REMAIN IN PLACE.
10. EXISTING DOOR HOLDER TO REMAIN IN PLACE. EXISTING CABLING TO REMAIN IN PLACE FOR CONNECTION TO NEW FIRE ALARM SYSTEM. CONFIRM ALL REQUIREMENTS WITH THE NEW FIRE ALARM SYSTEM SUPPLIER PRIOR TO REMOVAL.

GENERAL NOTES

1. REMOVE ANY UNUSED BRANCH CIRCUITS BACK TO THE SOURCE COMPLETELY. TURN OFF BREAKER AND LABEL "SPARE".
2. ANY AND ALL CONDUITS, BOXES, ETC THAT ARE RECESSED IN OR LOCATED IN THE AFFECTED CONSTRUCTION AREA SHALL BE RELOCATED OR REROUTED AS NECESSARY.
3. BRANCH CIRCUITS, IF SHOWN WHERE TAKEN FROM EXISTING RECORD DRAWINGS AND PANEL SCHEDULES. THE CONTRACTOR SHALL VERIFY ALL CIRCUITS. TRACE OUT AS NECESSARY.
4. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.



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US Utah Valley North S&I Area**
10361 North 4800 West
Highland, Utah

Project for:
**THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS**

Mark	Date	Description

Project Number
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Property Number
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March 4, 2019

Sheet Title
**ELECTRICAL DEMOLITION
PLAN**

Sheet
E201

ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



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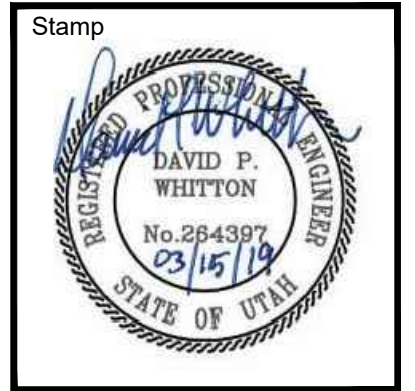
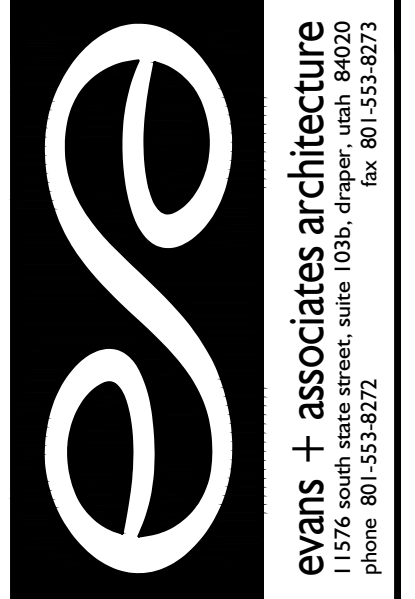


KEYED NOTES

1. CONNECT TO EXISTING SWITCH LEG AND SWITCH WITH LIGHTS AS SHOWN.
2. CONNECT TO EXISTING BRANCH CIRCUIT THAT IS IN PLACE.
3. CONFIRM EXACT LOCATION TO INSTALL NEW RECEPTACLE AND DATA WITH RELOCATED CASEWORK PRIOR TO ANY ROUGH-IN.
4. RECONNECT TO THE EXISTING BRANCH CIRCUIT THAT WAS IN PLACE PRIOR TO THE DEMOLITION.
5. SEE SPECIFICATIONS FOR CABLE, JACK AND COVER PLATE REQUIREMENTS. DATA LOCATION IS ASSUMED TO BE IN THE CUSTODIAL CLOSET. CONFIRM EXACT LOCATION PRIOR ROUGH-IN.
6. CONNECT TO SPARE BREAKER IN PANEL B.
7. NEW FIRE ALARM CONTROL PANEL. RECONNECT TO EXISTING BRANCH CIRCUIT THAT WAS IN PLACE PRIOR TO THE DEMOLITION.
8. PROVIDE BLUE STROBE FOR CARBON MONOXIDE DETECTION SYSTEM.
9. DUCT SMOKE DETECTOR TO CLOSE FIRE/SMOKE DAMPER ON GENERAL ALARM. COORDINATE REQUIREMENTS WITH THE FIRE ALARM SYSTEM SUPPLIER.
10. PROVIDE BLANK COVER PLATE IN COLOR AS DIRECTED BY THE ARCHITECT FOR UNUSED JUNCTION BOX.
11. PROVIDE PROTECTIVE COVER ON MANUAL STATION. SEE SPECIFICATIONS.
12. CONFIRM MOUNTING LOCATION OF REMOTE ANNUNCIATOR WITH THE LOCAL AHJ PRIOR TO ROUGH-IN.

GENERAL NOTES

1. REMOVE ANY UNUSED BRANCH CIRCUITS BACK TO THE SOURCE COMPLETELY. TURN OFF BREAKER AND LABEL "SPARE".
2. ANY AND ALL CONDUITS, BOXES, ETC THAT ARE RECESSED IN OR LOCATED IN THE AFFECTED CONSTRUCTION AREA SHALL BE RELOCATED OR REROUTED AS NECESSARY.
3. BRANCH CIRCUITS, IF SHOWN WHERE TAKEN FROM EXISTING RECORD DRAWINGS AND PANEL SCHEDULES. THE CONTRACTOR SHALL VERIFY ALL CIRCUITS. TRACE OUT AS NECESSARY.
4. PATCH, REPAIR AND PAINT WALLS AND CEILINGS AS REQUIRED TO INSTALL NEW ELECTRICAL.



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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions	Mark	Date	Description

Project Number
19-09
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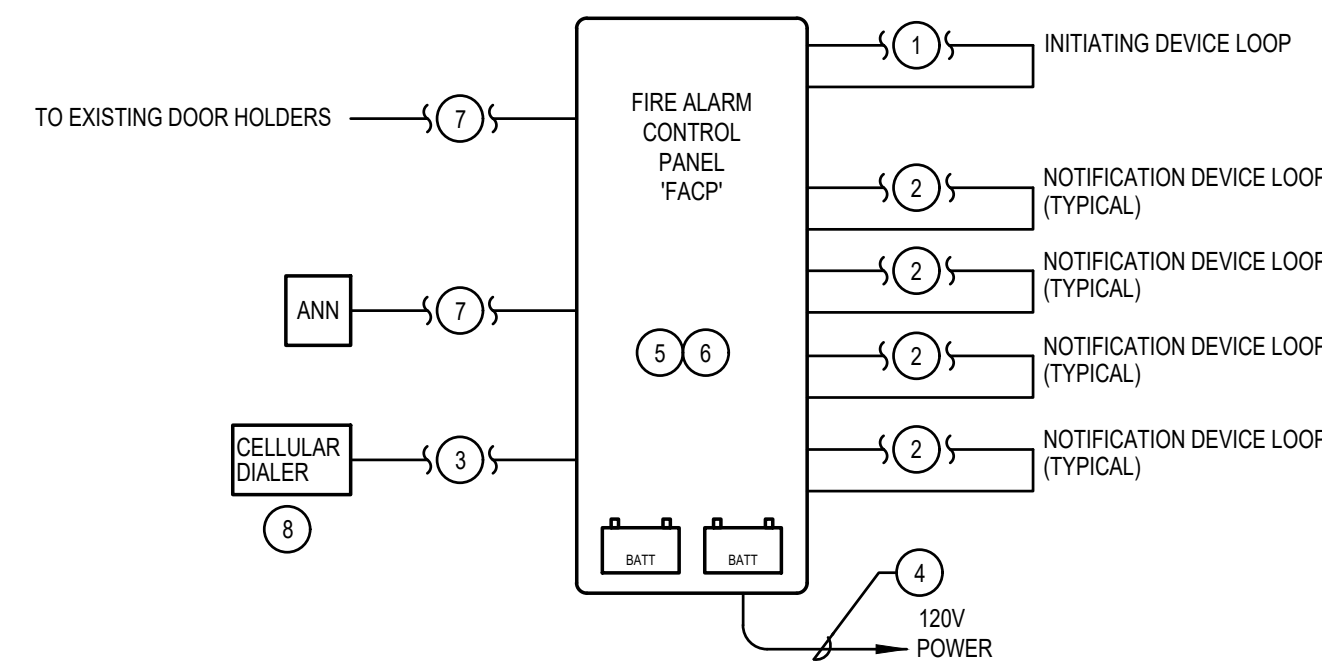
Sheet Title
ELECTRICAL PLAN

Sheet
E301

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



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1 FIRE ALARM SYSTEM RISER DIAGRAM
SCALE: NONE

KEYED NOTES: (B)

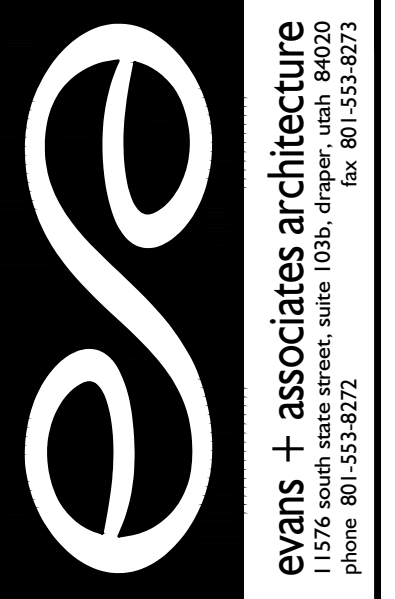
1. EXTEND A 3/4" CONDUIT WITH COMMUNICATION CABLES TO ADDRESSABLE FIRE ALARM DEVICES INCLUDING SMOKE AND HEAT DETECTORS, DUCT SMOKE DETECTORS, MONITOR MODULES, CONTROL MODULES, AND MANUAL PULL STATIONS. REFER TO THE FIRE ALARM PLANS FOR QUANTITIES, DEVICE TYPES AND LOCATIONS. INCLUDE 24VDC POWER WIRING AS REQUIRED FOR CONTROL MODULES AND DUCT SMOKE DETECTORS.
2. EXTEND A 3/4" CONDUIT WITH POWER CONDUCTORS TO FIRE ALARM HORN/STROBES AND STROBES. REFER TO THE FIRE ALARM PLANS FOR QUANTITIES, DEVICE TYPES AND LOCATIONS. PROVIDE SYNC MODULES FOR STROBES AS REQUIRED TO COMPLY WITH ALL APPLICABLE ADA CODES. CIRCUIT PER ALL MANUFACTURERS RECOMMENDATIONS.
3. EXTEND A 3/4" CONDUIT WITH COMMUNICATION CABLE AS DIRECTED BY THE MANUFACTURE.
4. RECONNECT TO EXISTING BRANCH CIRCUIT, UNLESS NOTED OTHERWISE. PROVIDE UPDATED TYPED PANEL SCHEDULE.
5. PROVIDE PLASTIC LAMINATE LABEL WITH NAME AS CALLED OUT ON THE DRAWINGS. LABEL TO BE RED WITH 1/4" HIGH WHITE LETTERS.
6. PROVIDE LAMINATE LABEL IN FACP WITH PANELBOARD / BRANCH CIRCUIT NUMBER AND PANELBOARD ROOM NUMBER.
7. EXTEND A 1" CONDUIT WITH MANUFACTURES RECOMMEND CABLING.
8. CELLULAR DIALER IS FURNISHED BY THE OWNER AND INSTALLED, CONNECTED AND PROGRAMMED BY THE CONTRACTOR / FIRE ALARM SUPPLIER.

FIRE ALARM SYSTEM GENERAL NOTES:

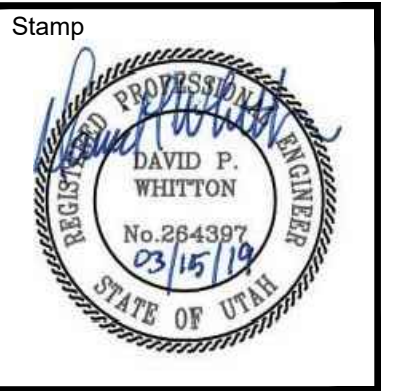
1. PROVIDE ADDRESSABLE FIRE ALARM SYSTEM. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. THE SYSTEM SHALL BE PROGRAMMED SO THAT IF ANY INITIATION DEVICE IS ACTUATED, AN ALARM SIGNAL WHICH IS AUDIBLE THROUGHOUT THE BUILDING WILL BE ACTIVATED.
3. WIRING SHALL BE CONTINUOUS FROM ONE DEVICE TO ANOTHER. NO SPLICING IS ALLOWED.
4. PROVIDE FIRE ALARM MAP OF THE BUILDING SHOWING ALL FIRE ALARM SYSTEM DEVICES. MAP TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
 - A. EXACT LOCATIONS OF ALL DEVICES, FIRE ALARM CONTROL PANEL AND NAC PANELS.
 - B. EXACT LOCATIONS OF ALL MONITOR AND CONTROL MODULES WHERE MODULES ARE LOCATED ABOVE THE CEILING, PROVIDE CLEAR DESIGNATION OR NOTE.
 - C. ROOM NAMES.
 - D. ALL DEVICE ADDRESS SHALL BE INDICATED ON THE DRAWINGS.
 - E. ALL MAPS SHALL BE 11"X17". PROVIDE ONE SET IN A SLEEVED 3 RING BINDER AND ONE SET LAMINATED AND MOUNTED NEXT TO FACP. DELIVER 3 RING BINDER WITH MAPS TO THE ELECTRICAL ENGINEER FOR REVIEW AND APPROVAL AS PART OF THE CLOSE OUT DOCUMENTS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. MOUNT LAMINATED MAPS AT THE FACP IN LOCATION AS DIRECTED BY THE OWNER.
5. ALL FIRE ALARM CABLING SHALL BE CONCEALED IN ALL PUBLIC AREAS TO THE GREATEST EXTENT POSSIBLE. FIRE ALARM CONDUIT IN AREAS THAT ARE NOT PUBLIC (i.e. TUNNELS, CEILING SPACES, ETC) MAY BE EXPOSED. MINIMUM CONDUIT SIZE SHALL BE 3/4". ALL JUNCTION BOXES SHALL BE RED IN COLOR AND LABELED "FIRE ALARM". ALL CABLING SHALL BE RATED FOR USE IN A FIRE ALARM SYSTEM PER ALL NFPA AND NEC REQUIREMENTS.
6. THE FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE FIRE ALARM SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS, PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS AND ADDRESS, CONDUIT SIZE AND ROUTING AND ALL CONDUCTOR SIZES. TYPICAL RISERS AND CALCULATIONS WILL NOT BE ACCEPTED. ALL SHOP DRAWINGS SHALL BE PREPARED AND APPROVED BY A NICET CERTIFIED FIRE ALARM TECHNICIAN, LEVEL III OR GREATER.
7. ALL NOTIFICATION DEVICE CIRCUIT VOLTAGE DROP CALCULATIONS SHALL BE DONE IN COMPLIANCE WITH NFPA 72. THE FIRE ALARM SYSTEM SUPPLIER TO DETERMINE THE AMOUNT NOTIFICATION DEVICE CIRCUITS THAT ARE REQUIRED BASED ON THE NUMBER OF NOTIFICATION DEVICES SHOWN ON THE DRAWINGS. THE FIRE ALARM SUPPLIER SHALL DETERMINE THE AMOUNT OF NAC PANELS THAT WILL BE REQUIRED BASES ON THE QUANTITY OF NOTIFICATION DEVICE CIRCUITS.
8. AUDIBLE ANNUNCIATION DEVICES SHALL BE SILENCED VIA THE FACP FRONT PANEL OR REMOTE ANNUNCIATOR WHILE ALLOWING VISUAL ANNUNCIATION DEVICES TO REMAIN IN ALARM.
9. THE FIRE ALARM SYSTEM SUPPLIER SHALL SUBMIT THE FIRE ALARM SHOP DRAWINGS AND MANUFACTURERS CUTSHEETS TO THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR REVIEW AND APPROVAL PRIOR TO THE ROUGH-IN OF THE SYSTEM. PROVIDE A MINIMUM OF TWO (2) SETS OF DRAWINGS, CUTSHEETS, AND CALCULATIONS TO AHJ.
10. VERIFY AND COMPLY WITH ALL CURRENT STATE, LOCAL AND NATIONAL CODES. COMPLY WITH ALL CURRENT NEC, NFPA, FIRE MARSHAL AND OWNERS STANDARDS AND REQUIREMENTS.
11. UPON CLOSE OUT OF THE PROJECT THE FIRE ALARM SYSTEM SUPPLIER TO PROVIDE A CD(S) WITH CAD AND PDF DRAWINGS OF THE BUILDING FIRE ALARM MAP, CAD AND PDF AS-BUILT DRAWINGS, GENERAL PROGRAMMING, SITE SPECIFIC PROGRAMMING, PDF O&M MANUALS AND APPROVED SHOP DRAWINGS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL DISCONNECT, REMOVE AND DISPOSE OF THE EXISTING FIRE ALARM DEVICES, CONDUIT AND CONDUCTORS AS CALLED OUT IN THE DRAWINGS ONCE THE NEW SYSTEM IS INSTALLED, PROGRAMMED AND ACCEPTED BY THE FIRE MARSHAL.
2. THE CONTRACTOR SHALL INSTALL THE NEW FIRE ALARM CONTROL PANEL IN THE LOCATION AS SHOWN OR LOCATION DETERMINED BY OWNER. COORDINATE EXACT LOCATION PRIOR TO ROUGH IN.
3. ALL NEW DEVICES SHALL HAVE RECESSED BOXES AND CONCEALED CONDUIT RACEWAYS. SURFACE MOUNTED BOXES AND RACEWAYS SHALL BE KEPT TO A MINIMUM AND INSTALL ONLY WHERE SHOWN ON THE DRAWINGS AND APPROVED BY THE OWNER AND ARCHITECT. ALL SURFACE MOUNTED DEVICE LOCATIONS SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT PRIOR TO ANY INSTALLATION.
4. AFTER THE NEW FIRE ALARM SYSTEM HAS BEEN COMPLETED, THE FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE ALL FINAL TERMINATIONS AND FINAL PROGRAMMING OF THE FIRE ALARM CONTROL PANEL AS NECESSARY FOR A COMPLETE INSTALLATION.
5. IF THE FIRE ALARM CONTRACTOR DECIDES TO REMOVE THE EXISTING FIRE ALARM SYSTEM PRIOR TO THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM THE CONTRACTOR SHALL PROVIDE A FIRE WATCH PER ALL THE REQUIREMENTS OF THE LOCAL FIRE MARSHAL AND PROVIDE THE FOLLOWING TO THE OWNER AND LOCAL FIRE MARSHAL FOR REVIEW AND APPROVAL:
 - A. A FIRE WATCH PLAN SHALL BE PREPARED BY THE CONTRACTOR AND APPROVED BY THE OWNER AND LOCAL FIRE MARSHAL.
 - B. THE FIRE WATCH PERSONNEL SHALL BE REQUIRED TO BE EMPLOYED BY THE ELECTRICAL CONTRACTING FIRM AND EXPERIENCED IN FIRE ALARM SYSTEMS. THE PERSONNEL SHALL BE PRE-APPROVED BY THE OWNER AND LOCAL FIRE MARSHAL.
 - C. THE FIRE WATCH PERSONNEL SHALL REMAIN ON SITE DURING THE ENTIRE FIRE WATCH.
6. THE CONTRACTOR SHALL WORK CLOSELY WITH OWNER, ARCHITECT AND ENGINEER TO PROVIDE A COMPLETE AND WORKING SYSTEM.



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A R&I for:
Highland UT Lone Peak Sr Seminary Office
US Utah Valley North S&I Area
10361 North 4800 West
Highland, Utah

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions	Mark	Date	Description

Project Number
19-09
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