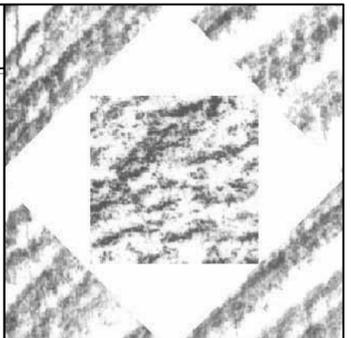


GENERAL NOTES

1. ALL DIMENSIONS & EXISTING CONDITIONS IN AREAS OF WORK ARE TO BE FIELD VERIFIED PRIOR TO COMMENCING WORK - ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO COMMENCING WORK.
2. PROTECT ALL AREAS & SURFACES ADJACENT TO DEMOLITION & CONSTRUCTION. PATCH & REPAIR ANY DAMAGE OR HOLES IN WALLS, CEILINGS & FLOORS RESULTING FROM THE DEMOLITION OF EXISTING ITEMS OR THE CONSTRUCTION OF NEW ITEMS.
3. NOTED AREAS INDICATED THE GENERAL EXTENT OF DEMOLITION. THE CONTRACTOR'S CHOICE OF MEANS & METHODS OF CONSTRUCTION MAY REQUIRE MORE OR LESS DEMOLITION. THE MEANS & METHODS OF DEMOLITION & CONSTRUCTION MUST BE ACCOUNTED FOR IN THE CONTRACTOR'S BID. ANY DEMOLITION & REPAIR TO ADJACENT SURFACES BEYOND THE AREAS INDICATED IN THE CONTRACT DOCUMENTS WILL NOT BE COMPENSATED FOR AFTER THE BID OPENING.
4. PRIOR TO THE START OF DEMOLITION, THE CONTRACTOR IS TO MEET WITH THE OWNER & ARCHITECT TO IDENTIFY ALL ITEMS TO BE DEMOLISHED & REMOVED FROM SITE, ITEMS TO BE REMOVED & RETURNED TO THE OWNER, OR ITEMS TO BE REMOVED & REINSTALLED.
5. 72-HOUR NOTICE IS REQUIRED FOR ANY UTILITY SHUT DOWN.
6. ANY REPAINTING OF SURFACES REQUIRED DUE TO DAMAGE TO FINISHES DURING DEMOLITION AND CONSTRUCTION MUST BE COMPLETE FROM CORNER TO CORNER.
7. PRIOR TO BIDDING, THE CONTRACTOR IS TO SURVEY THE EXISTING WALL CONDITIONS. ALL EXISTING NAILS, SCREWS, ABANDONED FASTENERS & HARDWARE IN THE WALLS INDICATED TO REMAIN ARE TO BE REMOVED & THE HOLES PATCHED.



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PLAN DEMOLITION LEGEND

- EXISTING BASE CABINETS TO BE DEMOLISHED, TYPICAL
- EXISTING WALL CABINETS TO BE DEMOLISHED, TYPICAL
- EXISTING 3-COMPARTMENT SINK TO BE DEMOLISHED, TYPICAL
- EXISTING HANDWASH SINK TO BE DEMOLISHED, TYPICAL
- EXISTING WOOD DOOR & H.M. FROM TO BE DEMOLISHED, TYPICAL
- EXISTING QUARRY TILE FLOOR TO BE DEMOLISHED, TYPICAL
- EXISTING GYPSUM BOARD CEILING TO BE DEMOLISHED, TYPICAL
- EXISTING EXHAUST HOOD TO BE DEMOLISHED, TYPICAL
- EXISTING LIGHT FIXTURE TO BE DEMOLISHED, TYPICAL
- EXISTING DIFFUSER TO BE DEMOLISHED, TYPICAL
- EXISTING GRILLE TO BE DEMOLISHED, TYPICAL
- EXISTING FIRE SPRINKLER & PIPING TO BE RELOCATED ABOVE NEW CEILING, TYPICAL
- EXISTING DEVICE TO BE DEMOLISHED, TYPICAL

PARTITION LEGEND

- EXISTING EXTERIOR WALL TO REMAIN, TYPICAL
- EXISTING INTERIOR WALL TO REMAIN, TYPICAL
- EXISTING MASONRY WALL TO BE DEMOLISHED, TYPICAL
- EXISTING STUD WALL TO BE DEMOLISHED, TYPICAL
- NEW 3-5/8" METAL STUD WALL W/ 5/8" GYPSUM BOARD ON BOTH SIDES TO 8'-0", TYPICAL
- NEW 1-5/8" METAL STUD FURRING W/ 5/8" GYPSUM BOARD ON ONE SIDE TO 6" ABOVE FINISH CEILING, TYPICAL
- NEW 7/8" METAL HAT CHANNEL FURRING W/ 1/2" GYPSUM BOARD ON ONE SIDE TO 6" ABOVE FINISH CEILING, TYPICAL

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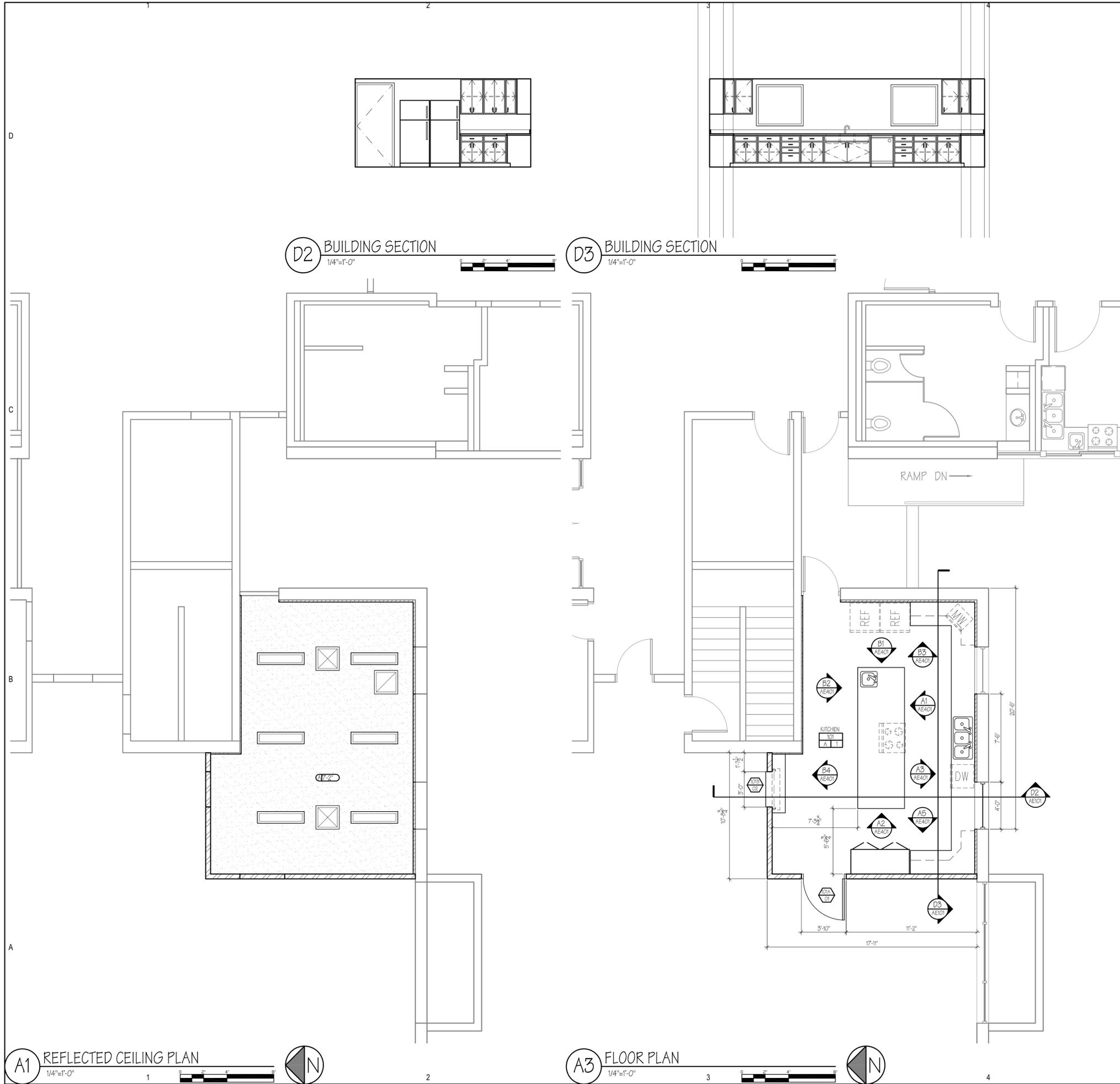
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HFS PROJECT NO:	0733.01
CAD DWG FILE NO:	
DRAWN BY:	RLS
CHECKED BY:	RLS
DESIGNED BY:	RLS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION BID DOCUMENTS
SHEET TITLE	

DEMOLITION PLANS

AD101
 SHEET 2 OF 6

A1 CEILING DEMOLITION PLAN
 1/4"=1'-0"

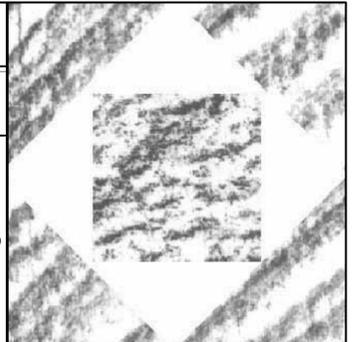
A3 DEMOLITION PLAN
 1/4"=1'-0"



CEILING FINISH LEGEND

CEILING FINISH CEILING ELEVATION

A. NEW EPOXY PAINTED GYPSUM BOARD CEILING



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CEILING PLAN LEGEND



NEW GYPSUM BOARD CEILING, TYPICAL



NEW 2x4 LIGHT FIXTURES, SEE ELECTRICAL DRAWINGS, TYPICAL



NEW MECHANICAL SUPPLY GRILLE, SEE MECHANICAL DRAWINGS FOR FURTHER INSTRUCTIONS, TYPICAL



NEW MECHANICAL RETURN GRILLE, SEE MECHANICAL DRAWINGS FOR FURTHER INSTRUCTIONS, TYPICAL

FINISH LEGEND

FLOOR / BASE ROOM NAME
REF NUM F I W WALL / WAINSCOT

L. NEW HEAT-WELDED SEAMLESS RUBBER W/ 6" COVE BASE

A. EPOXY PAINTED GYPSUM BOARD

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PARTITION LEGEND

EXISTING EXTERIOR WALL TO REMAIN, TYPICAL

EXISTING INTERIOR WALL TO REMAIN, TYPICAL

EXISTING MASONRY WALL TO BE DEMOLISHED, TYPICAL

EXISTING STUD WALL TO BE DEMOLISHED, TYPICAL

NEW 3-5/8" METAL STUD WALL W/ 5/8" GYPSUM BOARD ON BOTH SIDES TO 9'-0", TYPICAL

NEW 1-5/8" METAL STUD FURRING W/ 5/8" GYPSUM BOARD ON ONE SIDE TO 6" ABOVE FINISH CEILING, TYPICAL

NEW 7/8" METAL HAT CHANNEL FURRING W/ 1/2" GYPSUM BOARD ON ONE SIDE TO 6" ABOVE FINISH CEILING, TYPICAL

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CAD DWG FILE NO:

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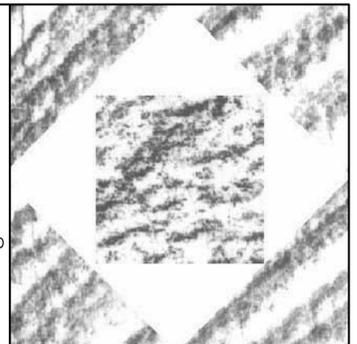
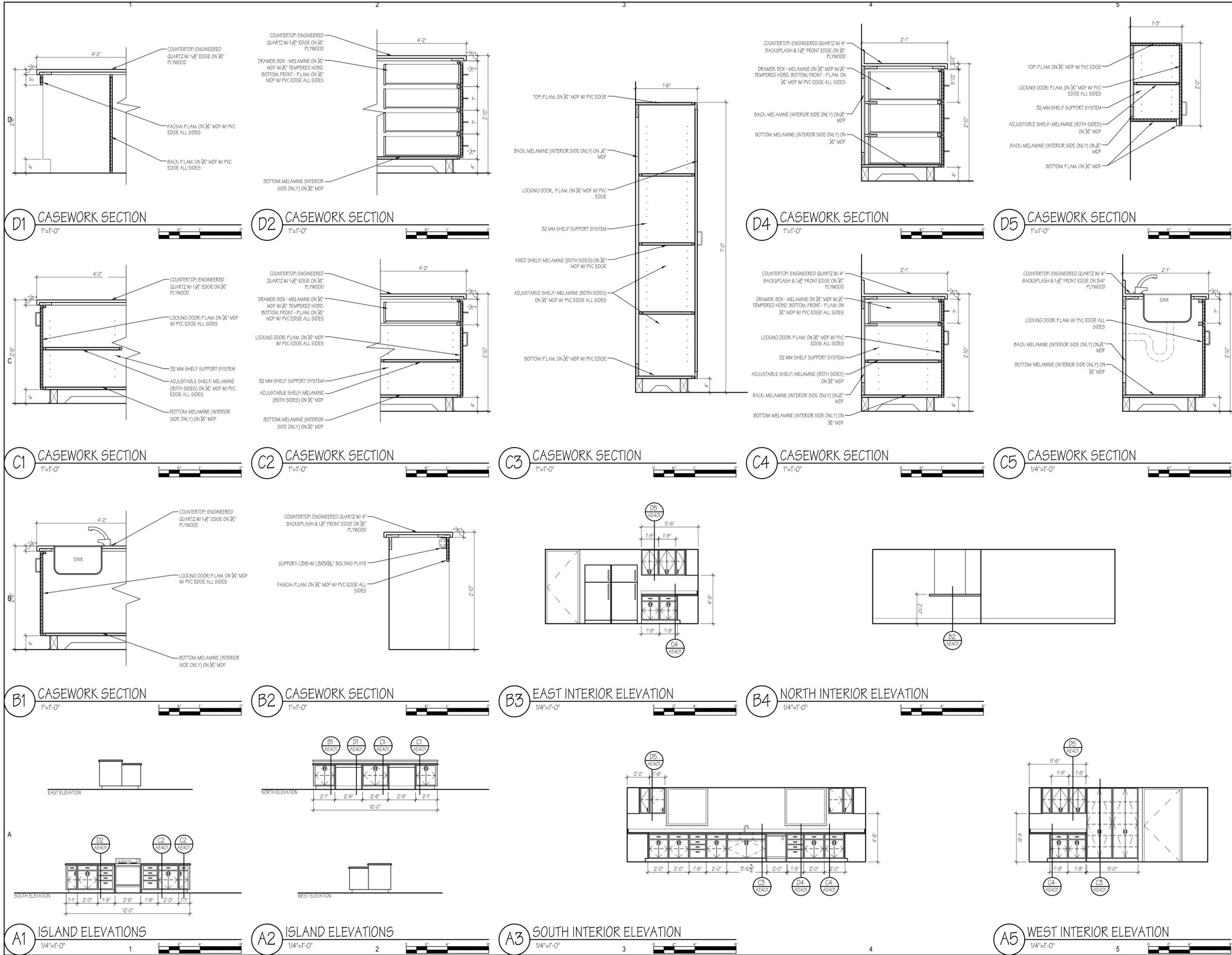
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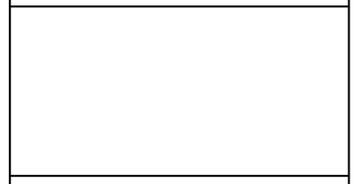
FLOOR PLAN & REFLECTED CEILING PLAN

AE101



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SHEET TITLE	

**INTERIOR
 ELEVATIONS &
 CASEWORK DETAILS**

AE401
 SHEET 4 OF 6



D2 PHOTO OF EXISTING CONDITIONS
N.T.S.



D3 PHOTO OF EXISTING CONDITIONS
N.T.S.



D4 PHOTO OF EXISTING CONDITIONS
N.T.S.



D5 PHOTO OF EXISTING CONDITIONS
N.T.S.



C2 PHOTO OF EXISTING CONDITIONS
N.T.S.



C3 PHOTO OF EXISTING CONDITIONS
N.T.S.



C4 PHOTO OF EXISTING CONDITIONS
N.T.S.



C5 PHOTO OF EXISTING CONDITIONS
N.T.S.



B1 PHOTO OF EXISTING CONDITIONS
N.T.S.



B2 PHOTO OF EXISTING CONDITIONS
N.T.S.



B3 PHOTO OF EXISTING CONDITIONS
N.T.S.



B4 PHOTO OF EXISTING CONDITIONS
N.T.S.



B5 PHOTO OF EXISTING CONDITIONS
N.T.S.



A1 PHOTO OF EXISTING CONDITIONS
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A2 PHOTO OF EXISTING CONDITIONS
N.T.S.



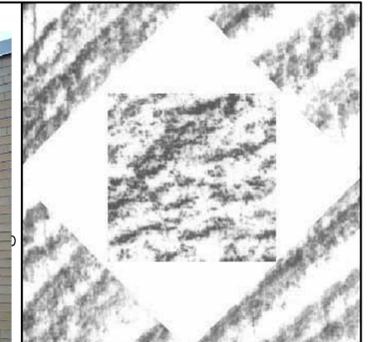
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A4 PHOTO OF EXISTING CONDITIONS
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A5 PHOTO OF EXISTING CONDITIONS
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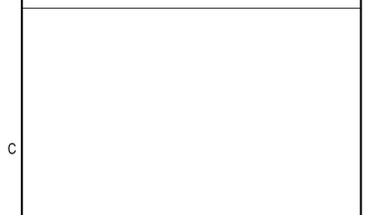


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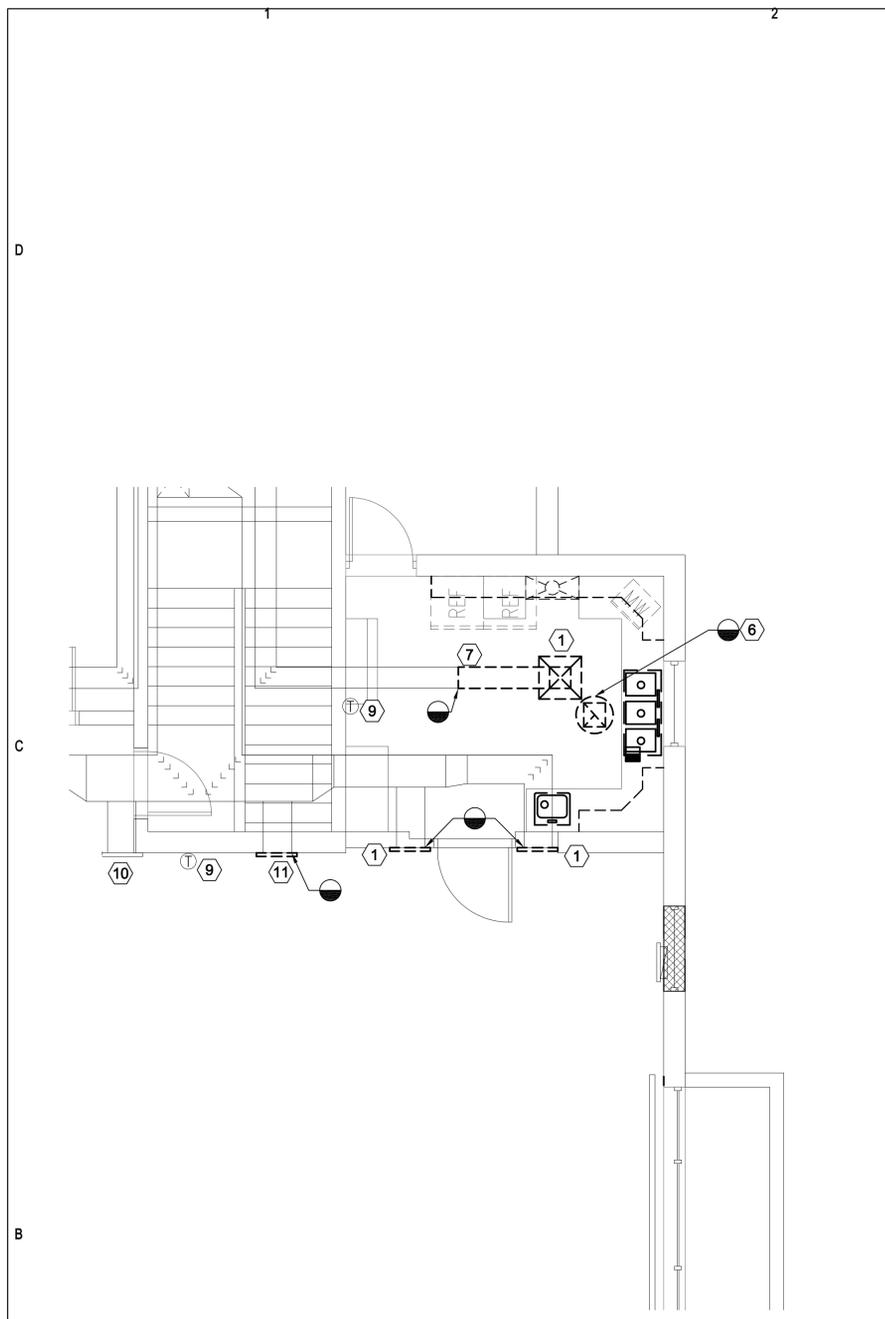
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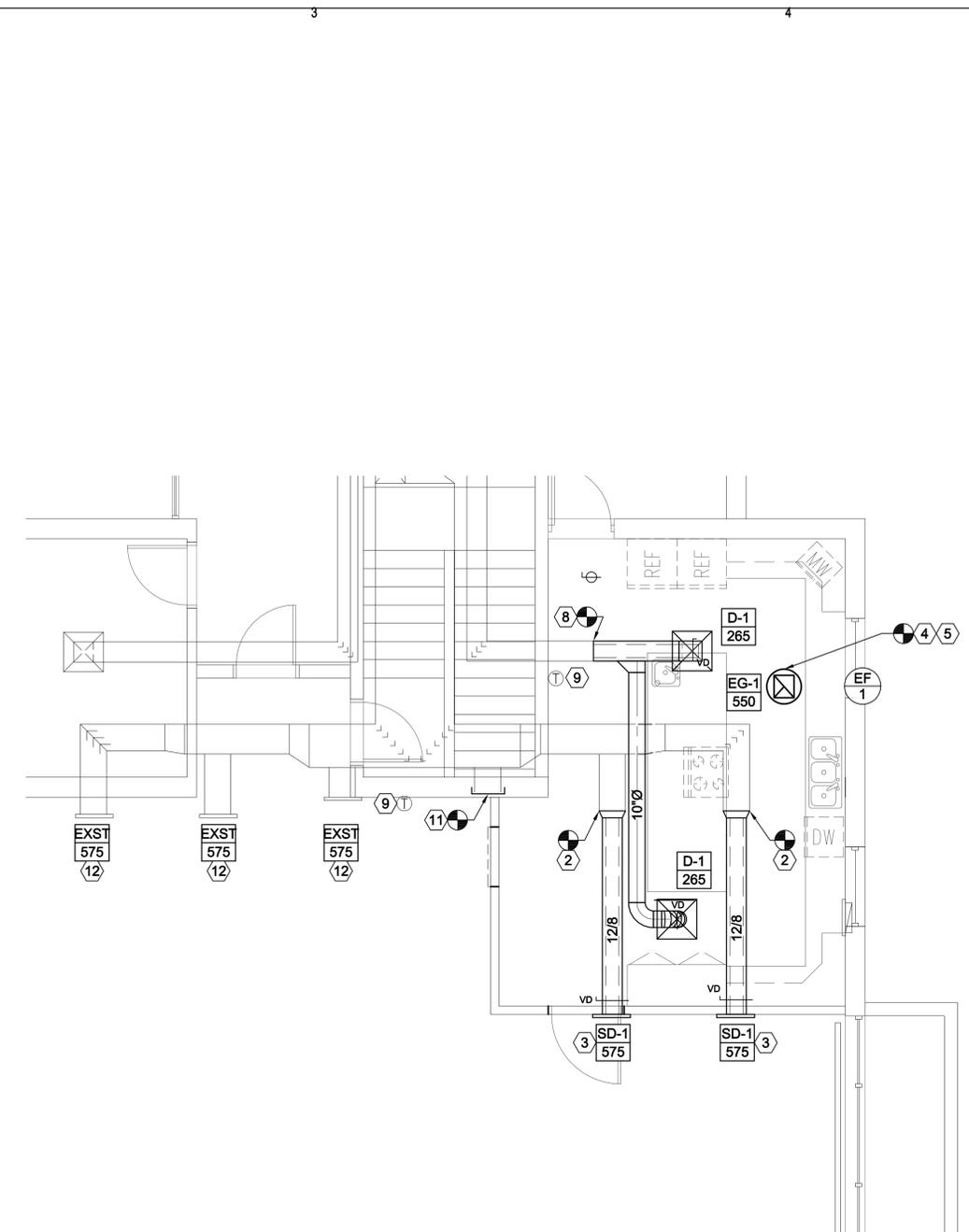
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**PHOTOGRAPHS
OF EXISTING
CONDITIONS**

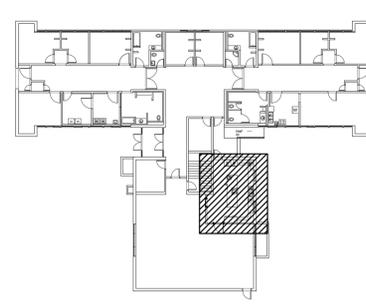
AE901
SHEET 6 OF 6



MECHANICAL MAIN FLOOR DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



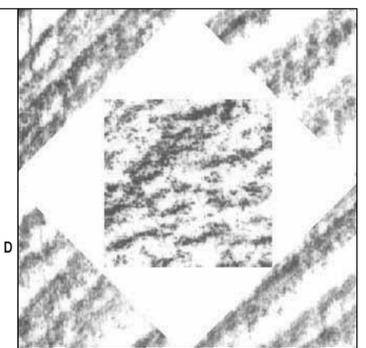
MECHANICAL MAIN FLOOR PLAN
SCALE: 1/4" = 1'-0"



KEY PLAN

- SHEET NOTES:**
- 1 DEMO EXISTING GRILLES.
 - 2 CONNECT NEW SUPPLY DUCT IN THIS APPROXIMATE LOCATION. EXTEND TO NEW WALL. FIELD VERIFY.
 - 3 PROVIDE NEW SIDEWALL GRILLE. CONFIRM HEIGHT AND LOCATION WITH ARCH.
 - 4 PROVIDE NEW EXHAUST FAN AT ROOF. REUSE EXISTING ROOF PENETRATION, AND CURB.
 - 5 PROVIDE NEW EXHAUST GRILLE.
 - 6 DEMO EXISTING EXHAUST FAN AT ROOF.
 - 7 DEMO EXISTING DUCTWORK.
 - 8 RE-CONNECT TO EXISTING DUCTWORK. TRANSITION AS NECESSARY. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING.
 - 9 EXISTING THERMOSTAT SHALL REMAIN.
 - 10 EXISTING SIDEWALL SUPPLY GRILLES SHALL REMAIN.
 - 11 DEMO EXISTING DIFFUSER AND PROVIDE SHEET METAL CAP OVER EXISTING DUCTWORK.
 - 12 REBALANCE EXISTING DIFFUSER.

GENERAL NOTE:
1 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING DUCTWORK.



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DWG TYPE:
ARCHITECTURAL PHASE:

SHEET TITLE
MECHANICAL MAIN FLOOR DEMOLITION PLAN AND MAIN FLOOR PLAN

ME101
SHEET OF

EXHAUST FAN SCHEDULE								
SYMBOL	MANUFACTURER & MODEL No.	SERVES	C.F.M.	STATIC PRESSURE IN. WG.	MOTOR			COMMENTS
					V - \emptyset - Hz	HP	RPM	
EF 1	PENN DOME X 06B	KITCHEN	550	0.25	120/1/60	1/12	1109	1

1. PROVIDE WITH WALL SWITCH FOR CONTROL.

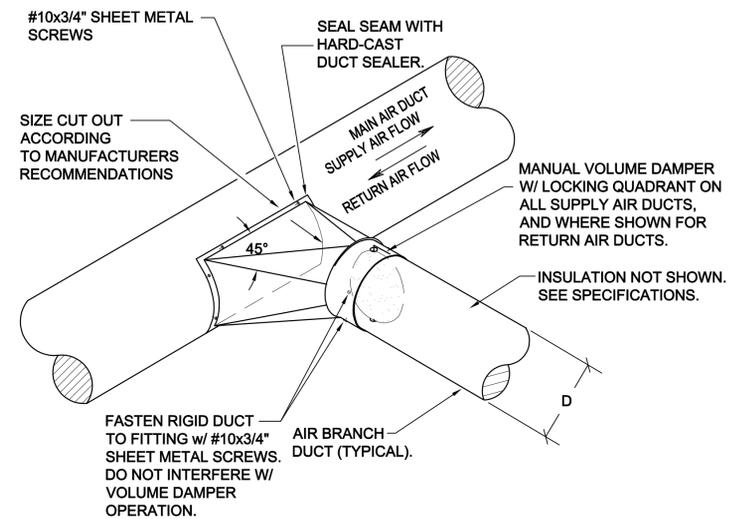
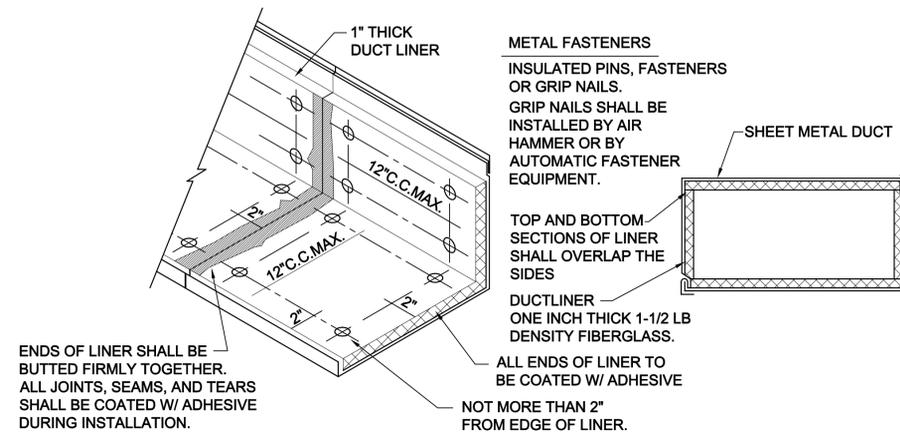
REGISTER, LOUVER & GRILLE SCHEDULE							
SYMBOL	TYPE	SERVICE	MAX CFM	NOMINAL SIZE	THROAT SIZE	CEILING TYPE	SCHEDULE NOTES
EG-1	CEILING	EXHAUST	550	16/16	16/16	HARD	1,2,3,4

REGISTER, LOUVER AND DIFFUSER SCHEDULE NOTES:

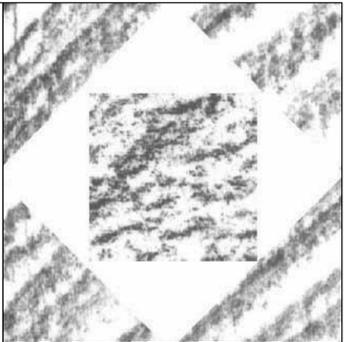
- MAXIMUM NC = 25 @ MAXIMUM CFM NOTED.
- SHALL BE PRICE 535 OR EQUAL BY OTHER APPROVED MANUFACTURERS.
- SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
- FINISH SHALL BE STANDARD WHITE.

DIFFUSER SCHEDULE								
SYMBOL	TYPE	MAX CFM	FACE SIZE	NECK SIZE	CEILING TYPE	BLOW	PATTERN	SCHEDULE NOTES
D-1 CFM	CEILING	300	9X9	8" \emptyset	HARD	4-WAY		1,2,3,4,5
SD-1 CFM	SIDEWALL	575	16x10	16x10	N/A	1-WAY		2,3,5,6

- PROVIDE LAY-IN CEILING AND BORDER / MODULE AS REQUIRED. SEE ARCHITECTURAL CEILING PLANS.
- MAXIMUM NC 25 AT CFM LISTED.
- PROVIDE TRANSITION TO DIFFUSER NECK SIZE AS REQUIRED TO DUCT WORK SHOWN ON PLAN.
- DIFFUSER SHALL BE PRICE MODEL SMD OR EQUAL BY APPROVED MANUFACTURER IN SPECIFICATIONS.
- FINISH SHALL BE STANDARD WHITE.
- DIFFUSER SHALL BE PRICE MODEL LBMR OR EQUAL BY APPROVED MANUFACTURER IN SPECIFICATIONS.



ROUND-TO-ROUND DUCT CONSTRUCTION DETAIL
 A4 SCALE: NONE



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DWG TYPE:	-
ARCHITECTURAL PHASE:	-

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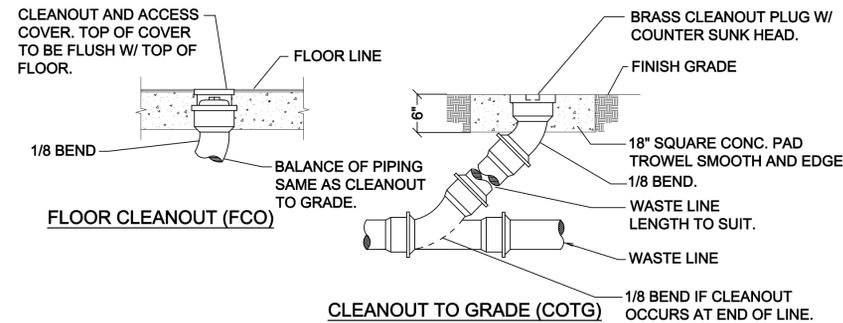
MECHANICAL DETAILS AND SCHEDULES

ME601

SHEET OF

PLUMBING LEGEND			
MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE	— — — — —	WALL CLEANOUT	WCO
COLD WATER LINE	— — — — —	CLEANOUT	CO
VENT LINE	- - - - -	CLEANOUT TO GRADE	COTG
WASTE LINE	— — — — —	FLOOR CLEANOUT	FCO
GAS LINE	— G —	BALL VALVE	⊕
VENT THRU ROOF	VTR	UNION	— — —
CONNECTION TO EXISTING PIPING	⊕		

PLUMBING FIXTURE SCHEDULE							
SYMBOL	FIXTURE	INDIVIDUAL LINE SIZES					REMARKS
		TRAP	WASTE	VENT	COLD WATER	HOT WATER	
(S-1)	3-COMP. SINK	1-1/2"	1-1/2"	-	1/2"	1/2"	STAINLESS STEEL, INDIRECT WASTE TO FLOOR SINK.
(HS-1)	HAND SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1-1/2"	COUNTER MOUNTED. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE.
(FS-1)	FLOOR SINK	2"	2"	2"	-	-	WITH 1/2 GRATE
(GD-1)	GARBAGE DISPOSAL	-	-	-	-	-	INSINKERATOR BADGER 5XP 3/4 HP 1Ø / 120V / 60 HZ 17 LBS 4 OZ, 12-5/8" HEIGHT

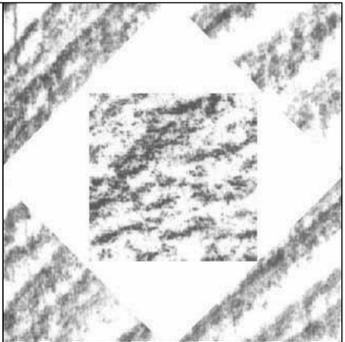


B2 CLEAN-OUT DETAILS
SCALE: NONE

PLUMBING GENERAL NOTES:

- G-1** ALL PLUMBING SHALL BE INSTALLED AND CONFORM TO THE 2006 EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.
- G-2** ALL PIPING MATERIALS SHALL MEET ALL REQUIREMENTS OF IPC AND LOCAL AUTHORITY. PLASTIC PIPING SHALL NOT BE ROUTED THROUGH RETURN AIR PLENUMS OR OTHER AREAS PROHIBITED BY THE IMC, IPC OR NFPA CODES OR BY LOCAL AUTHORITY
- G-3** GAS PIPING INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH GAS COMPANY REGULATIONS, NFPA CODE REQUIREMENTS, AND LOCAL AUTHORITY.
- G-4** ALL MATERIALS SHALL BE NEW AND SHALL BE DOMESTIC MADE UNLESS SPECIFICALLY APPROVED OTHERWISE IN WRITING BY ARCHITECT OR OWNER.
- G-5** PROVIDE VACUUM BREAKERS AND BACK FLOW PREVENTERS WHERE REQUIRED BY CODE OR WHERE THERE MAY BE ANY POSSIBLE CHANCE FOR CROSS CONTAMINATION. PREVENTERS SHALL BE INSTALLED IN ACCORDANCE WITH UTAH CODE.
- G-6** ALL PLUMBING INFORMATION IS NOT LIMITED TO THE PLUMBING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING ARCHITECTURAL DRAWING, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ELECTRICAL DRAWINGS.
- G-7** THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWING, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL PIPING SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- G-8** COORDINATE ALL PIPING AND PLUMBING EQUIPMENT WITH ALL OTHER TRADES AND/OR CONTRACTORS PRIOR TO INSTALLATION.
- G-9** ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARCHITECT/ENGINEER SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.
- G-10** GAS LINE FITTINGS SHALL BE STANDARD WELD FITTINGS WITH TAPERED REDUCERS. DO NOT USE VALVES, UNIONS, OR AUTO CONTROLS IN GAS LINES ROUTED IN INACCESSIBLE CONCEALED SPACES.
- G-11** ALL WATER SYSTEMS SHALL MEET THE REQUIREMENTS OF ANS/NSF STANDARD 61 SECTION 9 (1998), CONCERNING METAL CONTAMINANTS IN THE WATER SYSTEM.
- G-12** WATER PIPING SHALL NOT BE ROUTED IN OUTSIDE WALLS OR ON EXTERIOR SIDE OF BUILDING INSULATION ENVELOPE.
- G-13** WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ALL WATER LINES WITH QUICK OPEN OR QUICK CLOSE VALVES.

WATER HAMMER ARRESTOR SCHEDULE:
 TYPE A 1-11 FIXTURE UNITS
 TYPE B 12-32 FIXTURE UNITS
 TYPE C 33-60 FIXTURE UNITS
 TYPE D 61-113 FIXTURE UNITS



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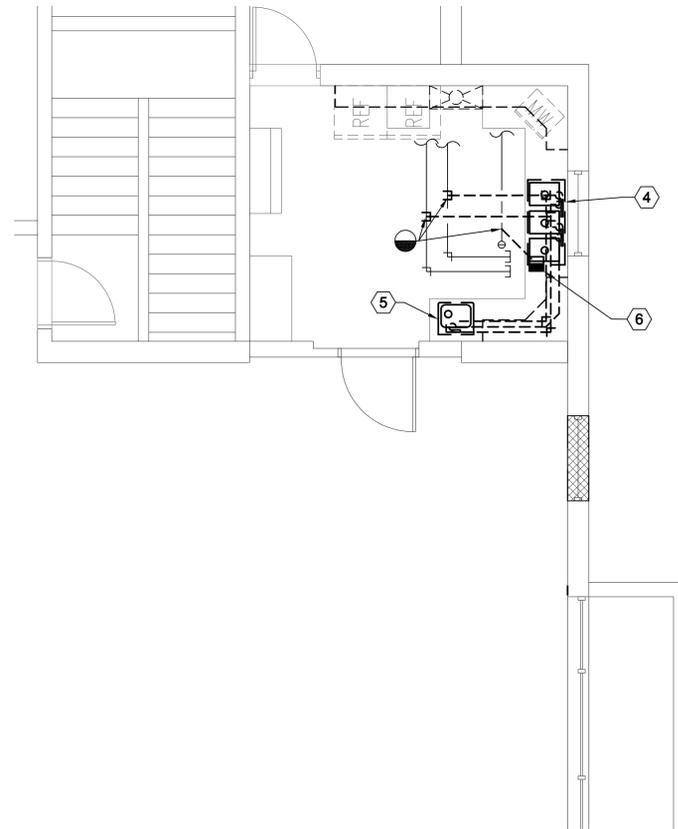
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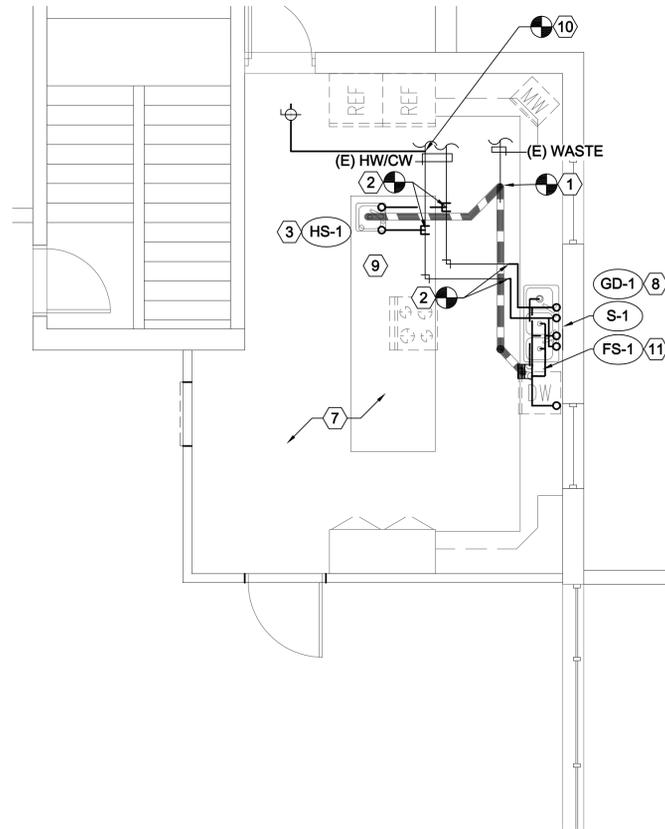
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PLUMBING GENERAL NOTES, LEGEND, DETAILS, AND SCHEDULES

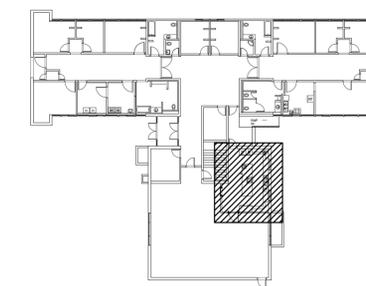
P001
SHEET OF



PLUMBING MAIN FLOOR DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



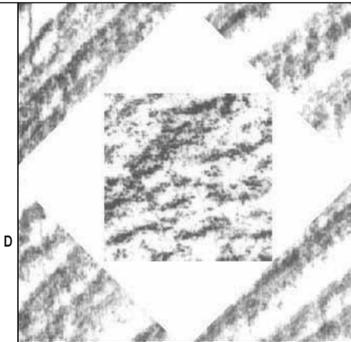
PLUMBING MAIN FLOOR PLAN
SCALE: 1/4" = 1'-0"



KEY PLAN

- SHEET NOTES:**
- ① RECONNECT INTO EXISTING WASTE AND VENT PIPING AT THIS APPROXIMATE LOCATION, FIELD VERIFY.
 - ② RECONNECT INTO EXISTING CW AND HW PIPING AT THIS APPROXIMATE LOCATION IN CRAWL SPACE. FIELD VERIFY EXACT LOCATION.
 - ③ PROVIDE AIR ADMITTANCE VALVE UNDER COUNTER.
 - ④ REMOVE EXISTING 3 COMPARTMENT SINK.
 - ⑤ REMOVE EXISTING HANK SINK.
 - ⑥ REMOVE EXISTING FLOOR SINK.
 - ⑦ RE-LOCATE EXISTING FIRE SPRINKLER LINE ABOVE CEILING. ROUTE ON BUILDING SIDE OF INSULATION ENVELOPE. PROVIDE ADDITIONAL HEADS AS NECESSARY TO COVER LARGER KITCHEN.
 - ⑧ ONE COMPARTMENT OF SINK WITH GARBAGE DISPOSAL INDEPENDENTLY PIPED TO SANITARY SEWER.
 - ⑨ PROVIDE AIR ADMITTANCE VALVE FOR VENT AT ISLAND SINK.
 - ⑩ PROVIDE 1/2" STUN-OUT WITH SHUT-OFF VALVE FOR WATER LINE TO FRIDGE.
 - ⑪ ROUTE DRAINLINE FROM DISHWASHER SANITIZER UNIT TO FLOOR SINK. ROUTE DRAINLINE FROM 2 SINK COMPARTMENTS TO FLOOR SINK.

GENERAL NOTE:
1 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING PIPING.



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UTAH STATE DEVELOPMENT CENTER
TLC PROGRAM BUILDING REMODEL

895 NORTH 900 WEST
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MARK	DATE	DESCRIPTION

DATE:	04/21/2008
AGENCY PROJECT NO:	-
HFS PROJECT NO:	-
CAD DWG FILE NO:	-
DRAWN BY:	STAFF
CHECKED BY:	WP
DESIGNED BY:	-
DWG TYPE:	-
ARCHITECTURAL PHASE:	-

SHEET TITLE

PLUMBING MAIN FLOOR DEMOLITION PLAN AND MAIN FLOOR PLAN

PE101

SHEET OF

KEYED NOTES:

- ① REMOVE EXISTING 4 FT. 4 LAMP, SURFACE MOUNTED FLUORESCENT FIXTURE INCLUDING ABANDONED WIRING, CONDUIT, BOXES, ETC.
- ② PROVIDE NEW BRANCH CIRCUIT AS REQUIRED TO RECONNECT EXISTING CIRCUITS INTERRUPTED BY DEMOLITION.
- ③ EXISTING FIXTURES IN DAY ROOM TO REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE.
- ④ EXISTING SWITCHES TO REMAIN. RECONNECT AS INDICATED.
- ⑤ EXISTING BATTERY BACK-UP EMERGENCY LIGHTING FIXTURE TO REMAIN.
- ⑥ REMOVE EXISTING 4 FT. 1' x 4', 2 LAMP FLANGE MOUNTED RECESSED TROFFER FROM EXISTING CEILING TO BE REMOVED. REMOVE ALL ABANDONED WIRING, CONDUIT, BOXES, ETC.
- ⑦ RETAIN EXISTING BRANCH CIRCUIT FOR EXISTING KITCHEN LIGHTS AS REQUIRED FOR CONNECTION TO NEW KITCHEN LIGHTING. CIRCUIT D-II ALSO SERVES LIGHTING IN EXISTING STORAGE ROOM.
- ⑧ REMOVE EXISTING SWITCH AND WIRING. EXISTING FLUSH OUTLET BOX TO REMAIN FOR CONNECTION TO LIGHTING.
- ⑨ REMOVE EXISTING SWITCH WIRING, AND ABANDONED CONDUIT. PROVIDE NEW BLANK COVERPLATE ON EXISTING FLUSH OUTLET BOX IN EXISTING TILE COVERED MASONRY WALL.

KEYED NOTES:

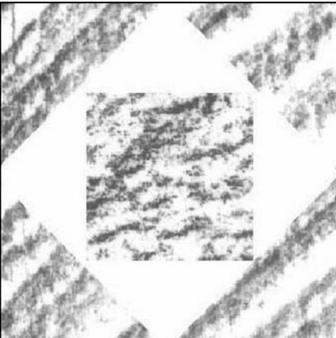
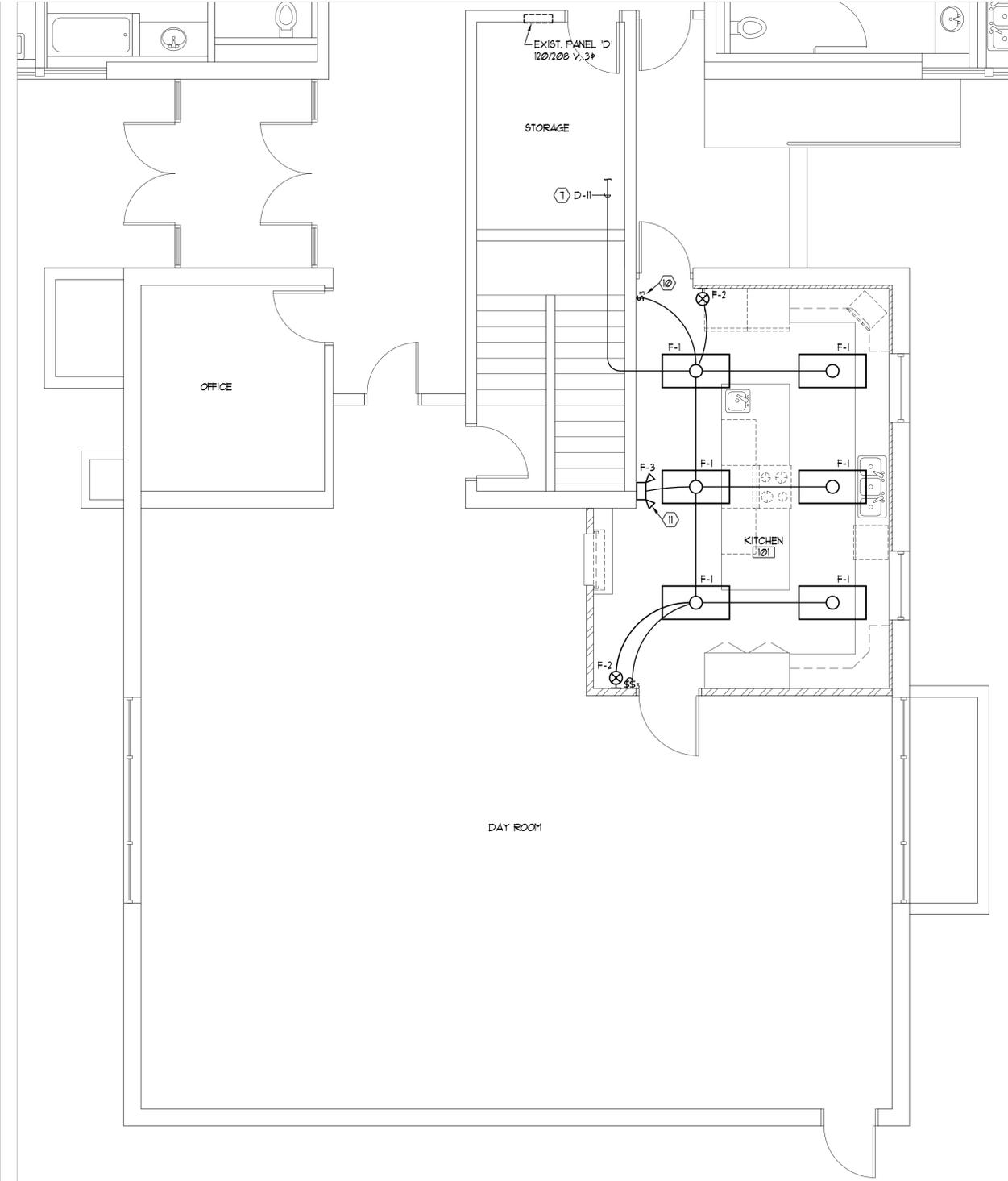
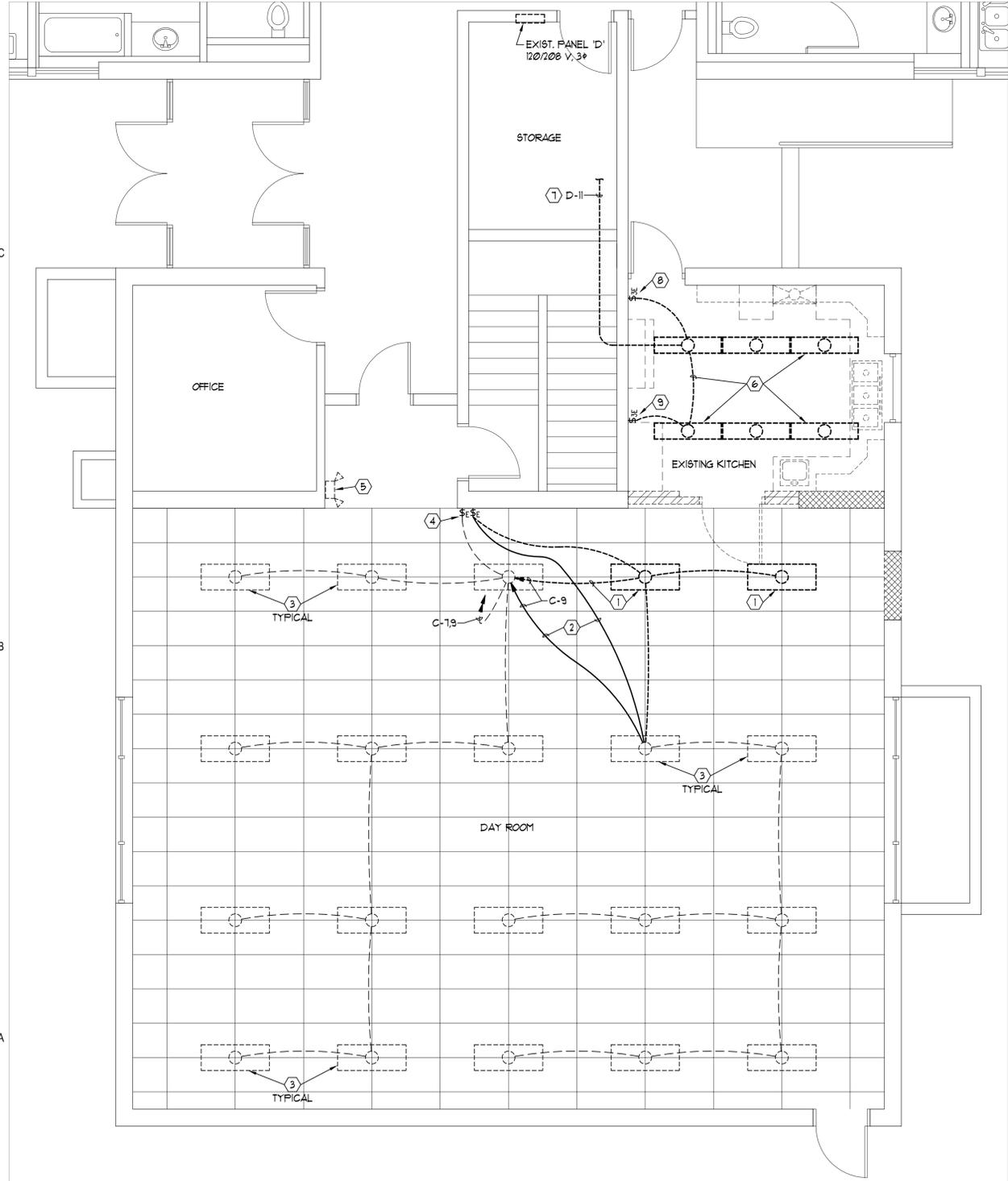
- ⑩ INSTALL NEW SWITCH IN EXISTING FLUSH OUTLET BOX AND CONNECT TO CONTROL NEW KITCHEN LIGHTING AS INDICATED.
- ⑪ SURFACE MOUNT NEW EMERGENCY LIGHT FIXTURES ON EXISTING MASONRY WALL WITH TOP OF FIXTURE 7'-1" (1" BELOW CEILING) TO MINIMIZE AMOUNT OF EXPOSED CONDUIT TO BE PAINTED.

GENERAL NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, LIGHTING, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON EXISTING BUILDING ELECTRICAL DRAWINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
2. DEMOLITION PLAN IS SHOWN FOR CONTRACTORS REFERENCE ONLY. FIELD VERIFY QUANTITIES AND LOCATIONS OF ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT WIRING, JUNCTION BOXES, RECEPTACLES, OUTLETS, LIGHT FIXTURES, EQUIPMENT, ETC. WHETHER SPECIFICALLY SHOWN OR NOT.
3. CONTRACTOR MAY USE EXISTING BRANCH CIRCUIT WIRING AND RACEWAYS WHERE CONVENIENT TO CONNECT TO NEW ELECTRICAL DEVICES ONLY IF THE EXISTING WIRING AND RACEWAYS ARE IN GOOD CONDITION AND MEET DIVISION 16 SPECIFICATION REQUIREMENTS FOR NEW WIRING AND RACEWAYS.
4. WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT INTERRUPTS EXISTING BRANCH CIRCUITS OR FEEDERS TO EXISTING EQUIPMENT TO REMAIN, FURNISH AND INSTALL NEW CONDUIT AND WIRING AS REQUIRED TO RECONNECT THE EXISTING EQUIPMENT TO REMAIN.
5. ALL MATERIALS AND EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER FOR STORAGE OR BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE OWNER.

GENERAL NOTES:

6. COORDINATE FIXTURE LOCATIONS WITH ARCHITECT'S REFLECTED CEILING PLAN, CEILING CONTRACTOR, BUILDING STRUCTURE, MECHANICAL EQUIPMENT & DUCTWORK LOCATIONS, ETC.
7. CONNECT F-1 FIXTURES WITH TWO OUTSIDE LAMPS CONTROLLED BY ONE SWITCH AND INSIDE LAMP(S) CONTROLLED BY SECOND SWITCH.
8. CONNECT EXIT AND EMERGENCY LIGHT FIXTURES F-2 & F-3 TO THE SAME BRANCH CIRCUIT AS THE GENERAL ROOM LIGHTING, AHEAD OF ANY LOCAL SWITCHES.
9. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.



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TLC KITCHEN REMODEL

Utah State Developmental Center
American Fork, Utah

MARK	DATE	DESCRIPTION

DATE:	21 APRIL 2008
AGENCY PROJECT NO:	08029410
HFS PROJECT NO:	0733.01
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CHECKED BY:	R.G.K.
DESIGNED BY:	W.B.G.
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ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

LIGHTING PLANS

EL101

SHEET 1 OF 4 (Elect)

A1 LIGHTING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

A3 NEW LIGHTING PLAN
SCALE: 1/4" = 1'-0"

KEYED NOTES:

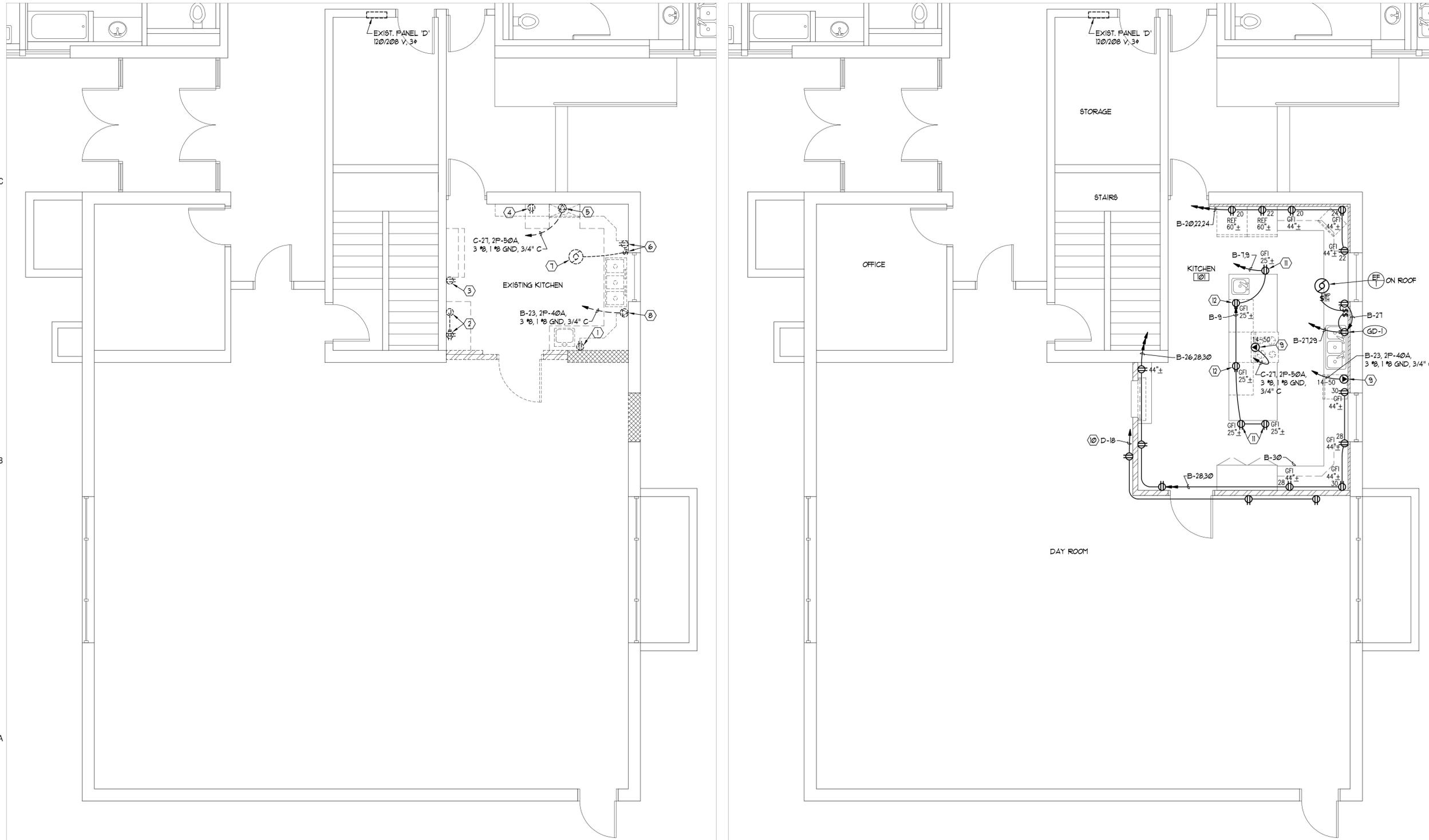
- ① REMOVE EXISTING RECEPTACLE FROM EXISTING WALL TO BE REMOVED. REMOVE ALL ABANDONED WIRING, CONDUIT, BOXES, ETC. FIELD VERIFY EXISTING CIRCUITING AND RECONNECT AS REQUIRED.
- ② REMOVE EXISTING SURFACE MOUNTED RECEPTACLE, JUNCTION BOX, AND EXPOSED CONDUIT THROUGH FLOOR. SEAL CONDUIT PENETRATION THROUGH FLOOR WITH NON-SHRINK GROUT AS APPROVED BY ARCHITECT.
- ③ REMOVE EXISTING RECEPTACLE AT 1'-0"± AND WIRING. PROVIDE NEW BLANK COVER ON EXISTING FLUSH OUTLET BOX IN EXISTING TILE COVERED MASONRY WALL.
- ④ REMOVE EXISTING RECEPTACLE, WIRING, SURFACE EXTENSION, AND CONNECTION TO EXISTING RANGE HOOD. EXISTING FLUSH OUTLET BOX TO REMAIN AND BE COVERED BY NEW WALL FURRING WITH ALL WIRING REMOVED.
- ⑤ REMOVE EXISTING RANGE RECEPTACLE INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC. RETAIN EXISTING CONDUIT HOMERUN AS REQUIRED FOR CONNECTION TO RANGE AT NEW LOCATION.
- ⑥ REMOVE EXISTING RECEPTACLE, SWITCH, AND WIRING. EXISTING FLUSH OUTLET BOX TO REMAIN AND BE COVERED BY NEW WALL FURRING WITH ALL WIRING REMOVED.
- ⑦ REMOVE CIRCUIT TO EXISTING ROOFTOP EXHAUST FAN TO BE REMOVED. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.

KEYED NOTES:

- ⑧ REMOVE EXISTING DISHWASHER RECEPTACLE INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC. RETAIN EXISTING CONDUIT HOMERUN AS REQUIRED FOR CONNECTION TO DISHWASHER AT NEW LOCATION.
- ⑨ PROVIDE NEW RECEPTACLES FOR RELOCATED RANGE AND DISHWASHER. RECONNECT EXISTING CIRCUITS AS INDICATED. MATCH MOUNTING HEIGHT OF REMOVED RECEPTACLES.
- ⑩ CONNECT NEW RECEPTACLES IN DAY ROOM TO EXISTING CIRCUIT ABANDONED BY EXISTING KITCHEN DEMOLITION. FIELD VERIFY REQUIREMENTS.
- ⑪ INSTALL RECEPTACLES IN END OF ISLAND COUNTER BELOW CABINET DRAWERS. FIELD VERIFY LOCATION AND REQUIREMENTS WITH CABINET INSTALLER.
- ⑫ INSTALL RECEPTACLE IN ISLAND COUNTER KNEE SPACE. FIELD VERIFY LOCATION AND REQUIREMENTS WITH CABINET INSTALLER.

GENERAL NOTES:

- 1. SEE GENERAL NOTES, SHEET EL101.
- 2. COORDINATE MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR.
- 3. WHERE BRANCH CIRCUIT HOMERUNS INDICATE WIRE SIZES, THE BRANCH CIRCUIT SHALL BE THAT SIZE WIRE THROUGHOUT, INCLUDING SWITCH LEGS, ETC.
- 4. FIELD COORDINATE LOCATION OF ALL NEW RECEPTACLES AND OUTLETS WITH MILLWORK AND OWNER'S FURNITURE LOCATIONS PRIOR TO ROUGHING IN.
- 5. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.



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TLC KITCHEN REMODEL

Utah State Developmental Center
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DWG TYPE:	ELECTRICAL

ARCHITECTURAL PHASE:
CONSTRUCTION DOCUMENTS

SHEET TITLE

POWER PLANS

EP101

SHEET 2 OF 4 (Elect)

A1 POWER DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

A3 NEW POWER PLAN
SCALE: 1/4" = 1'-0"

CIR NO.	BRKR P AMPS	DESCRIPTION	NO. LTS	NO. REC	CIRCUIT LOAD	PHASE LOAD - VA			CIRCUIT LOAD	NO. REC	NO. LTS	DESCRIPTION	BRKR P AMPS	CIR NO.
						PHASE A	PHASE B	PHASE C						
1	20	REC, RMS 110, 111, 112 *	5		900								1	20
3		REC, RMS 106, 107 *	6		1,080		2,220						3	
5		REC, RMS 101, 102, 103 *	5		900			2,040					5	
7		REC, KITCHEN ISLAND	2		1,500	1,680							7	
9		REC, KITCHEN ISLAND	3		1,500		1,680						9	
11		REC, RM 108	1		180			360					11	
13		SPARE						180					13	
15		EM LTS, MECHANICAL *			1,000								15	
17		SPARE											17	
19		REC, OFFICE 119			1,000								19	
21	20	SPARE						1,500					21	20
23	40	DISHWASHER-KITCHEN			5,000								23	40
25	-	(RECONNECT CIRCUIT)			5,000	5,540							25	-
27	20+	REC, KITCHEN & EF-1			1,500		3,000						27	20+
29	20+	KITCHEN DISPOSAL			975			2,475					29	20+
TOTAL CONNECTED LOAD:						31,755 VA	88 AMPS	FEEDER: NEW 4 #2, 1 #8 GND, 1-1/4" C						
CALCULATED FEEDER DEMAND, NEC 220:						27,728 VA	77 AMPS							

NOTES:
 * EXISTING CIRCUIT TO REMAIN. ESTIMATED LOAD FROM 2000 REMODEL ELECTRICAL PLANS.
 + PROVIDE NEW CUTLER HAMMER TYPE "BAB" BRANCH CIRCUIT BREAKER OF RATING INDICATED.

FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	CATALOG NO.	DESCRIPTION	LAMP
F-1	COLUMBIA DAY-BRITE LIGHTOLIER LITHONIA LS1 METALUX	4P24-32F-FSA12.125-E-U 2DPF32-F321-UNV-1/21-EB101 SPS2PFSV1332-UNV-H1 2SPBF332-A12125-MVOLT-GE101S FL-A125-332-SD-SS0102-UE 2FC332-A125-UNV-EB82	2' x 4', 3 LAMP, FLANGE MOUNTED RECESSED FLUORESCENT FIXTURE WITH FLUSH STEEL DOOR, 0.125" THICK ACRYLIC PRISMATIC LENS, AND ONE 1 LAMP AND ONE 2 LAMP (10% THD ELECTRONIC BALLASTS WIRED FOR INBOARD/OUTBOARD LAMP SWITCHING.	3F3218/TL835
F-2	DUAL-LITE LIGHTGUARD LIGHTOLIER LITHONIA MCHILBEN SURE-LITES	SE-S-G-W-E DX-L-N-1-G-W LD-N-1-G-W LE-S-W-1-G-120/277-ELN ER30VL-1-W-G CX7-1-70-G-W	UNIVERSAL MOUNTED, SINGLE FACE, LIGHT EMITTING DIODE (LED) EXIT LIGHT WITH DIE CAST ALUMINUM HOUSING, WHITE FINISH, GREEN LETTERS ON STENCIL FACE, UNIVERSAL KNOCKOUT CHEVRON ARROWS, NICKEL CADMIUM BATTERY PACK WITH CHARGER & TEST SWITCH, AND 120/277 DUAL VOLTAGE INPUT.	FURNISHED W/FIXTURE
F-3	DUAL-LITE LIGHTGUARD LIGHTOLIER LITHONIA MCHILBEN	L225D-10W-1 U25L-H12-W-DT E125L-H12-W-SD ELM627-H1206-SD CAX6L24W12	WALL MOUNTED EMERGENCY LIGHTING UNIT WITH TWO 10 WATT 6 VOLT ENCLOSED LAMP HEADS, THERMOPLASTIC HOUSING, MINIMUM 24 WATT LEAD CALCIUM BATTERY, CHARGER, 120/277 VOLT INPUT, SELF-DIAGNOSTIC CIRCUITRY WITH INDICATORS AND TEST SWITCH.	FURNISHED W/FIXTURE

NOTES:
 1. PROVIDE EXTRA MATERIAL STOCK OF LAMPS, LENSES, AND BALLAST AS REQUIRED BY SPECIFICATION SECTION 16500.

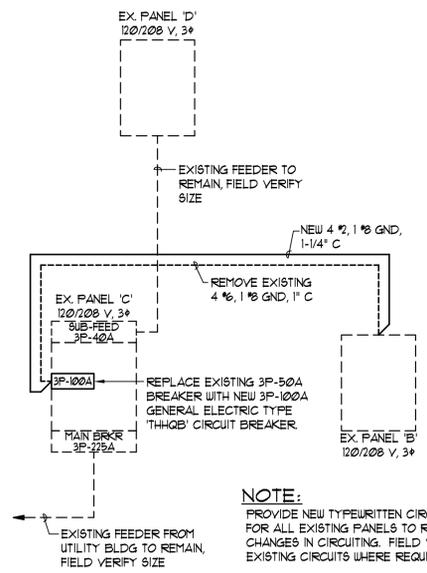
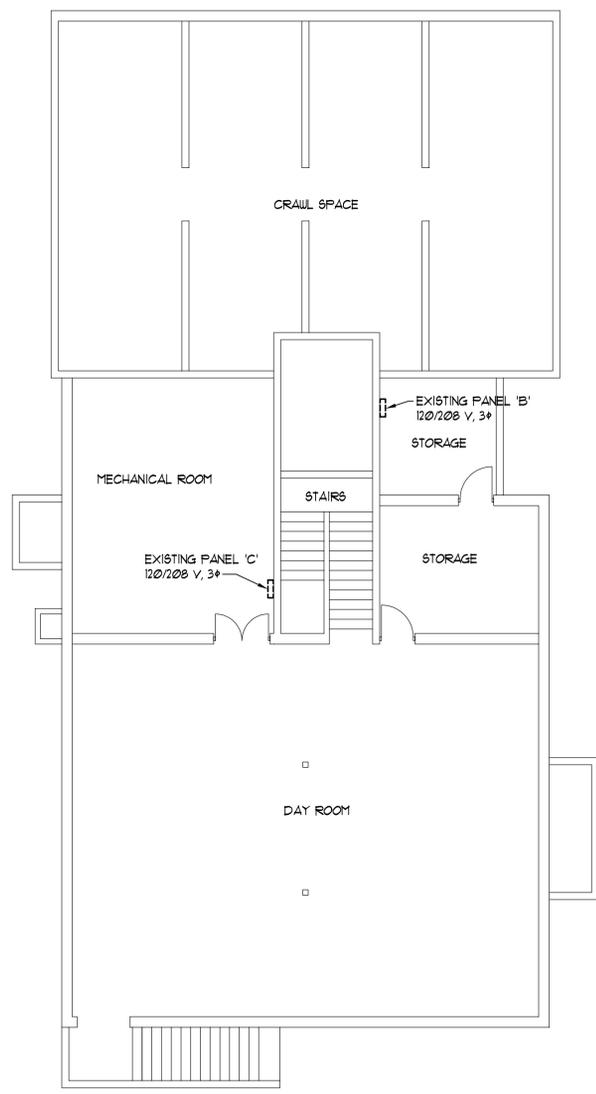
EQUIPMENT SCHEDULE

EQUIP. NO.	DESCRIPTION	CIRCUIT NUMBER	VOLTS	PHASE	WATTS HP.	BREAKER	STARTERS FURNISH/INSTALL	AUX. CONT.	LOCATION
EF-1	EXHAUST FAN	B-21	120	1	1/2 HP	IP-20A	E E \$M	-	ON ROOF
GD-1	GARBAGE DISPOSAL	B-29	120	1	81 AMPS	IP-20A	E E \$	-	KITCHEN 101

E - ELECTRICAL CONTRACTOR
 M - MECHANICAL CONTRACTOR

SYMBOL LIST

SYMBOL	DESCRIPTION
○	NEW CEILING MOUNTED FIXTURE
○	NEW WALL MOUNTED FIXTURE
○	NEW FLUORESCENT FIXTURE
⊗	NEW EXIT LIGHT WITH ARROW INDICATING DIRECTION OF EXIT
⊕	NEW EMERGENCY LIGHTING UNIT INDICATING NUMBER OF LAMP HEADS
○	EXISTING CEILING MOUNTED FIXTURE
○	EXISTING WALL MOUNTED FIXTURE
○	EXISTING FLUORESCENT FIXTURE
\$	NEW SINGLE POLE SWITCH
\$3	NEW THREE WAY SWITCH
\$E	EXISTING SINGLE POLE SWITCH
\$3E	EXISTING THREE WAY SWITCH
⊕	NEW JUNCTION BOX
⊕	EXISTING JUNCTION BOX
⊕	NEW DUPLEX RECEPTACLE
⊕	NEW DOUBLE DUPLEX RECEPTACLE
⊕GFI	NEW RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
⊕14-50	NEW SPECIAL PURPOSE RECEPTACLE INDICATING NEMA DESIGNATION
⊕	EXISTING DUPLEX RECEPTACLE
⊕	EXISTING SPECIAL PURPOSE RECEPTACLE
□	EXISTING POWER PANELBOARD, 120/208 VOLT, 3 PHASE
A-1357	NEW 3 PHASE, 4 WIRE HOMERUN INDICATING PANEL AND CIRCUIT NUMBERS
---	NEW BRANCH CIRCUIT CONCEALED IN WALL, CEILING, OR FLOOR
- - -	NEW BRANCH CIRCUIT EXPOSED ON WALL OR CEILING
- - -	EXISTING BRANCH CIRCUIT
⊕	NEW MOTOR
\$M	NEW MANUAL MOTOR STARTING SWITCH W/ THERMAL OVERLOAD PROTECTION
⊕	EXISTING MOTOR
EF	EQUIPMENT SCHEDULE SYMBOL
F-2	FIXTURE SCHEDULE SYMBOL
②	KEYED NOTE SYMBOL
WP	INDICATES ITEM IN WEATHERPROOF (NEMA 3R MINIMUM) ENCLOSURE
□	EXISTING FIRE ALARM CONTROL PANEL
□	EXISTING FIRE ALARM FULL STATION
⊕	EXISTING FIRE ALARM SMOKE DETECTOR
⊕	EXISTING FIRE ALARM HEAT DETECTOR
⊕	EXISTING FIRE ALARM HORN/STROBE
⊕	EXISTING FIRE ALARM DOOR HOLDER/RELEASE
⊕	RELOCATED FIRE ALARM SMOKE DETECTOR
⊕	RELOCATED FIRE ALARM HEAT DETECTOR
⊕	RELOCATED FIRE ALARM DOOR HOLDER/RELEASE



NOTE:
 PROVIDE NEW TYPEWRITTEN CIRCUIT INDEX FOR ALL EXISTING PANELS TO REFLECT ALL CHANGES IN CIRCUITING. FIELD VERIFY EXISTING CIRCUITS WHERE REQUIRED.

A3 LOWER LEVEL ELECTRICAL PLAN
 SCALE: 1/8" = 1'-0"

A5 POWER RISER DIAGRAM
 SCHEMATIC

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TLC KITCHEN REMODEL

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MARK	DATE	DESCRIPTION

DATE: 21 APRIL 2008
 AGENCY PROJECT NO: 08029410
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 DESIGNED BY: W.B.G.
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ARCHITECTURAL PHASE:
CONSTRUCTION DOCUMENTS

SHEET TITLE

SYMBOL LIST, SCHEDULES AND RISERS

E-601

KEYED NOTES:

- ① REMOVE AND SALVAGE EXISTING HEAT DETECTOR FOR RELOCATION AS SHOWN ON NEW FIRE ALARM PLAN. REMOVE ALL ABANDONED WIRING, CONDUIT, BOXES, ETC.
- ② REMOVE AND SALVAGE EXISTING SMOKE DETECTOR FOR RELOCATION AS SHOWN ON NEW FIRE ALARM PLAN. REMOVE ALL ABANDONED WIRING, CONDUIT, BOXES, ETC.
- ③ REMOVE AND SALVAGE EXISTING DOOR HOLDER FOR RELOCATION AS SHOWN ON NEW FIRE ALARM PLAN. REMOVE ALL ABANDONED WIRING, CONDUIT, BOXES, ETC.
- ④ REMOVE EXISTING FIRE ALARM JUNCTION BOX INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC. RECONNECT EXISTING FIRE ALARM CIRCUITS AS SHOWN ON NEW FIRE ALARM PLAN.
- ⑤ EXISTING SURFACE MOUNTED PULL STATION AND HORN/STROBE IN KITCHEN TO REMAIN. REMOVE ABANDONED WIRING AND CONDUIT TO EXISTING JUNCTION BOX.
- ⑥ EXISTING FIRE ALARM JUNCTION BOX TO REMAIN. REMOVE ABANDONED WIRING AND CONDUIT TO EXISTING JUNCTION BOX.
- ⑦ EXISTING FIRE ALARM PULL STATION TO REMAIN. REMOVE ABANDONED WIRING AND CONDUIT TO EXISTING JUNCTION BOX.

KEYED NOTES:

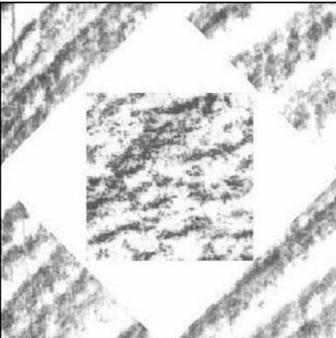
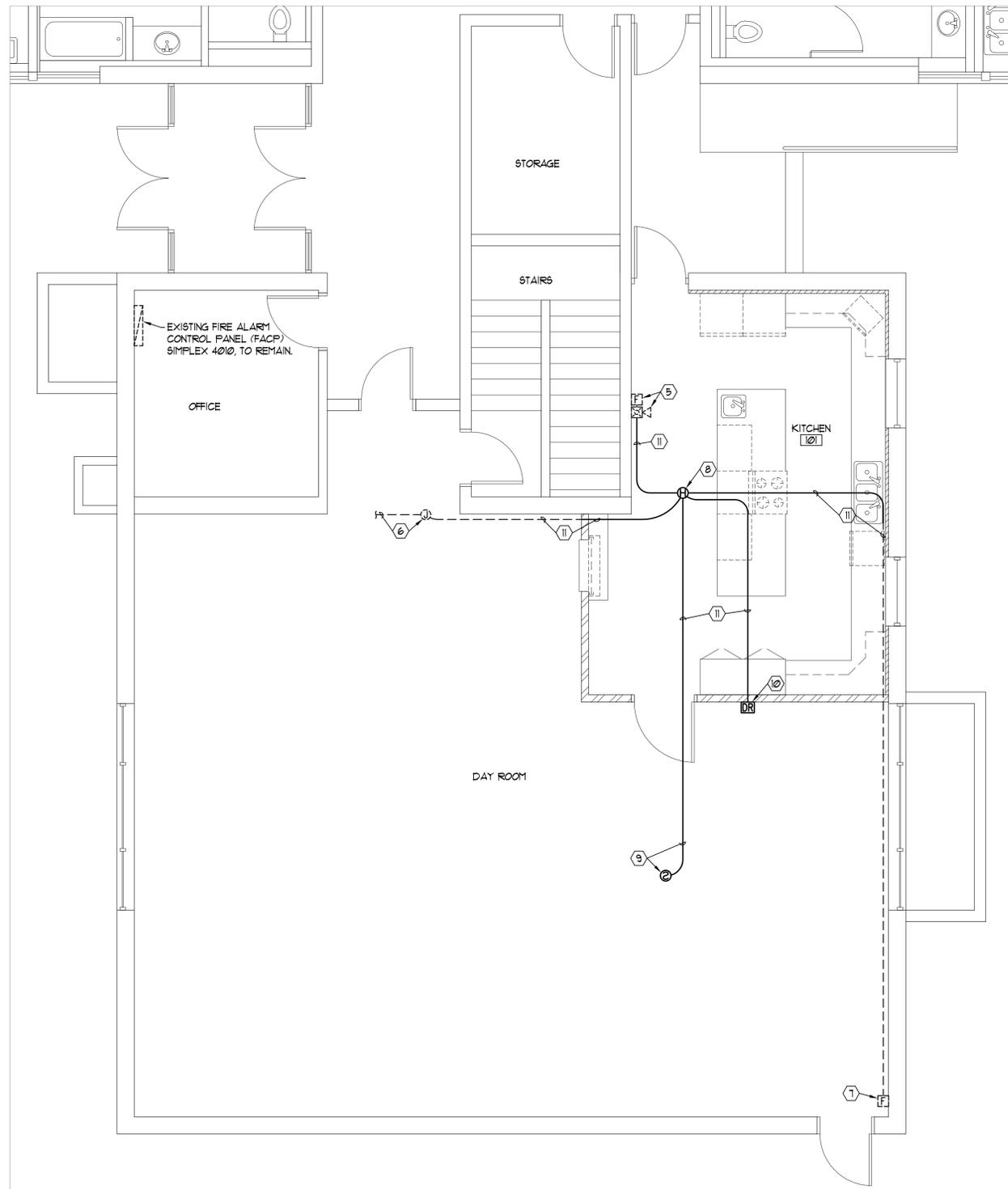
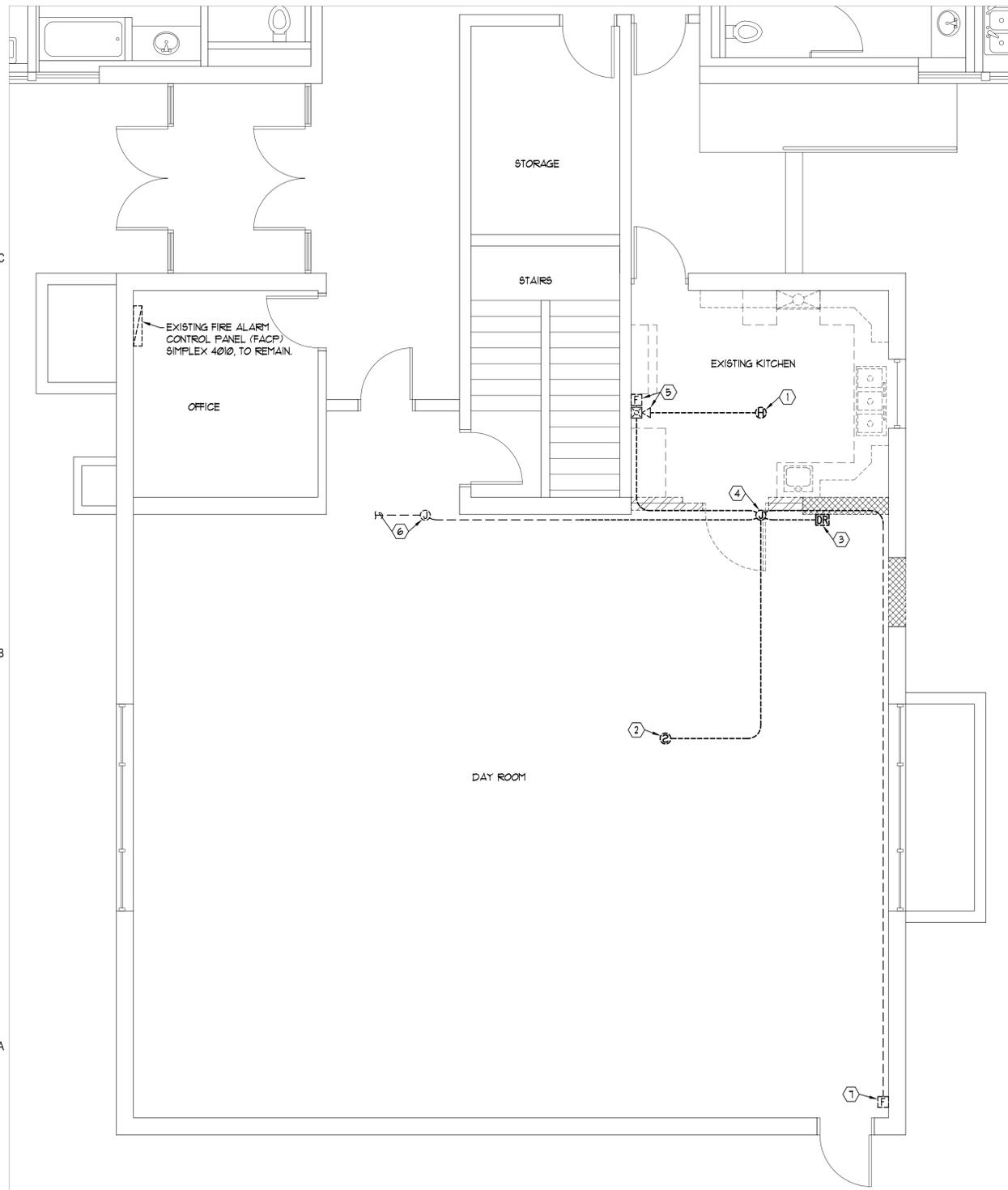
- ⑧ INSTALL HEAT DETECTOR SALVAGED FROM DEMOLITION IN NEW CEILING.
- ⑨ INSTALL SMOKE DETECTOR SALVAGED FROM DEMOLITION IN EXISTING CEILING.
- ⑩ INSTALL DOOR HOLDER SALVAGED FROM DEMOLITION IN NEW WALL.
- ⑪ EXTEND EXISTING 3/4" EMT CONDUITS, OR PROVIDE NEW CONDUIT, AS INDICATED TO RECONNECT FIRE ALARM CIRCUITS. PROVIDE NEW WIRING TO MATCH EXISTING WIRING AS REQUIRED TO RECONNECT ALL EXISTING CIRCUITS.

GENERAL NOTES:

- 1. SEE GENERAL NOTES, SHEET EL101.
- 2. THE EXISTING BUILDING IS PROTECTED THROUGHOUT BY AN AUTOMATIC FIRE ALARM SYSTEM WHICH IS TO REMAIN OPERATIONAL THROUGHOUT THE CONSTRUCTION PERIOD.
- 3. SUBMIT REQUESTS FOR FIRE ALARM SYSTEM OUTAGES TO THE OWNER'S PROJECT MANAGER NOT LESS THAN 1 DAYS PRIOR TO ANY PROPOSED FIRE ALARM OUTAGES. IMMEDIATELY NOTIFY THE OWNER'S PROJECT MANAGER IF THE FIRE ALARM IS UNINTENTIONALLY DISABLED AND IMMEDIATELY MAKE REPAIRS TO RESTORE THE SYSTEM TO AN OPERATIONAL CONDITION.
- 4. THE CONTRACTOR SHALL MAINTAIN A FIRE WATCH DURING ALL FIRE ALARM SYSTEM OUTAGES IN ACCORDANCE WITH IFC SECTION 901.1.
- 5. ANY WORK PERFORMED ON THE FIRE ALARM SYSTEM SHALL BE APPROVED IN ADVANCE BY THE FIRE ALARM SYSTEM FACTORY REPRESENTATIVE. CONTACT SIMPLEXGRINELL AT (801) 262-9406.
- 6. PROTECT EXISTING SMOKE DETECTORS IN THE AREA OF CONSTRUCTION FROM EXCESSIVE DUST ACCUMULATION BY MEANS OF TEMPORARY DUST COVERS DURING DUST PRODUCING WORK OPERATIONS. REMOVE DUST COVERS IMMEDIATELY UPON COMPLETION OF DUST PRODUCING WORK.

GENERAL NOTES:

- 1. CLEAN ALL EXISTING SMOKE DETECTORS AFFECTED BY CONSTRUCTION IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS UPON COMPLETION OF WORK AND PRIOR TO SUBSTANTIAL COMPLETION.
- 2. TEST ALL SMOKE DETECTORS AFTER CLEANING AND PRIOR TO SUBSTANTIAL COMPLETION. TESTING SHALL BE PERFORMED BY A FACTORY AUTHORIZED AND TRAINED TECHNICIAN OF THE FIRE ALARM SYSTEM MANUFACTURER. CONTACT SIMPLEX GRINELL AT (801) 262-9406.
- 3. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.



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CHECKED BY:	R.G.K.
DESIGNED BY:	W.B.G.
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

FIRE ALARM PLANS

FA101

SHEET 4 OF 4 (Elect)

A1 FIRE ALARM DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

A3 NEW FIRE ALARM PLAN
SCALE: 1/4" = 1'-0"