ELECTRICAL BASEMENT KEYED NOTES:

1. EXISTING ELECTRICAL PANEL '1EQ0B' 120/208V, 200A, 3ø, 4W. PROVIDE NEW 3-POLE, 30A CIRCUIT BREAKER IN SPACES 7,9,11 FOR FEED TO NEW FREEZER CONDENSING UNIT. PROVIDE NEW 1-POLE, 20A CIRCUIT BREAKER IN SPACE 13 FOR FEED TO NEW FREEZER AUXILIARY CIRCUITS.

ELECTRICAL BASEMENT PLAN NOTES:

1. ALL RECEPTACLE CONDUCTORS SHALL BE 2-12 AWG, 1-12 AWG EG IN 3/4" EMT OR MC CABLE UNLESS NOTED OTHERWISE.
2. VERIFY LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS.

ELECTRICAL FIRST FLOOR KEYED NOTES:

1. CONNECT HEAT DETECTOR TO THE NEAREST HEAT OR SMOKE DETECTOR ZONE CIRCUIT IN THE AREA.
2. PROVIDE 240V, NEMA 3R, 3P-30A FUSIBLE DISCONNECT FOR FREEZER CONDENSER. FUSE PER NAMEPLATE. COORDINATE LOCATION WITH INSTALLER. FEED WITH 3-10 AWG, 1-10 AWG EG CONDUCTORS. SECURELY MOUNT ON NON-MOVABLE, NON-REMOVABLE SECTION OF CONDENSER OR NEARBY. IF POSSIBLE, REMOVE EXISTING CONDUCTORS TO DEMOLISHED FREEZER AND RE-USE EXISTING CONDUIT WITH NEW CONDUCTORS TO PANEL. IF NOT POSSIBLE TO RE-USE EXISTING CONDUIT, INSTALL NEW 3/4" CONDUIT. CONTRACTOR TO VERIFY EXISTING CIRCUIT ROUTING.
3. CIRCUIT FOR LIGHTS AND AUXILIARY CIRCUITS FOR FREEZER. COORDINATE JUNCTION BOX LOCATION WITH INSTALLER. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF LIGHTS PROVIDED WITH FREEZER UNIT. CIRCUIT TO EXISTING PANEL '1EQ0B'-13. INSTALL NEW 2-12 AWG, 12 AWG EG IN CONDUIT. INTERCEPT AND RE-USE EXISTING CONDUIT IF POSSIBLE. IF NOT POSSIBLE TO RE-USE EXISTING CONDUIT, INSTALL NEW 3/4" CONDUIT. CONTRACTOR TO VERIFY EXISTING CIRCUIT ROUTING.

ELECTRICAL FIRST FLOOR KEYED NOTES:

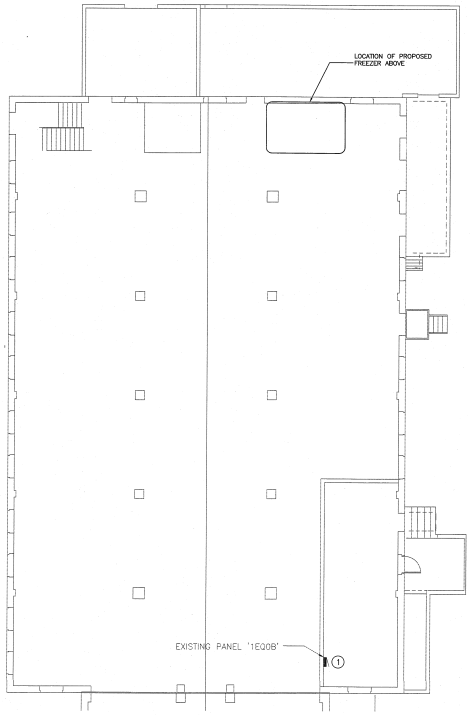
4. PROVIDE EQUIPMENT SERVICE RECEPTACLE LOCATED ON ROOF ON WALL AS INDICATED.

ELECTRICAL FIRST FLOOR PLAN NOTES:

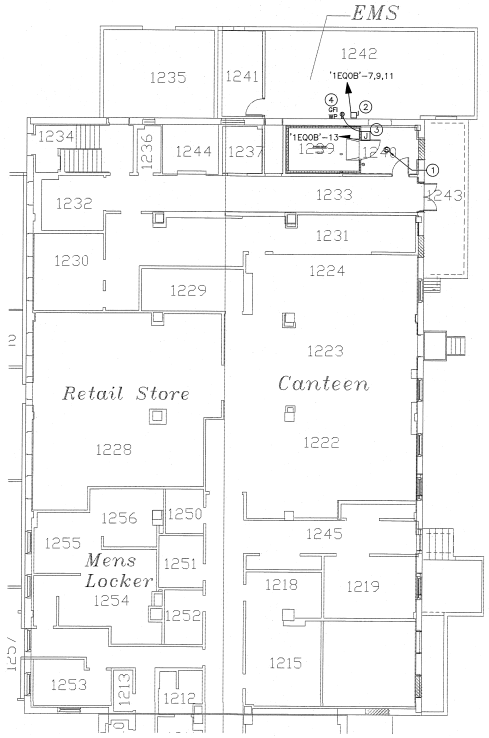
1. ALL RECEPTACLE CONDUCTORS SHALL BE 2-12 AWG, 1-12 AWG EG IN 3/4" EMT OR MC CABLE UNLESS NOTED OTHERWISE.
2. VERIFY LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS.
3. COORDINATE ANY REQUIRED ROOF PENETRATIONS WITH GENERAL CONTRACTOR.
4. EXISTING CONDUCTORS ARE NOT TO BE RE-USED FOR NEW CIRCUITS DUE TO POOR CONDITION OF INSULATION.

DEMOLITION FIRST FLOOR KEYED NOTES:

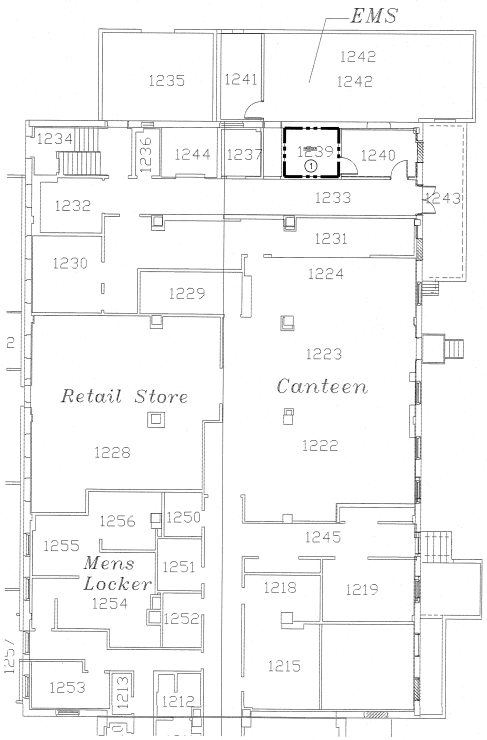
1. ALL ELECTRICAL DEVICES ASSOCIATED WITH DEMOLISHED FREEZER TO BE REMOVED. ALL CONDUCTORS IN EXISTING CONDUIT TO FREEZER TO BE REMOVED TO THE PANEL IF POSSIBLE. CONDUIT TO REMAIN FOR RE-USE. IF NOT POSSIBLE TO REMOVE CONDUCTORS TO PANEL, REMOVE CONDUCTORS AND CONDUIT TO FIRST JUNCTION BOX AT BOTH ENDS OF THE CIRCUIT AND CAP EACH ABANDONED CONDUCTOR.



1 BASEMENT ELECTRICAL PLAN
SCALE: 3/32" = 1'-0"



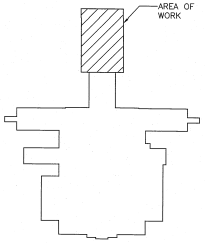
2 FIRST FLOOR ELECTRICAL PLAN
SCALE: 3/32" = 1'-0"



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

DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING ALL CIRCUITS AND CONDUITS THAT ORIGINATE, PASS THROUGH, OR TERMINATE IN THE AREA OF WORK. DEMOLISH ALL CIRCUITS THAT ARE NO LONGER IN USE. MAINTAIN CIRCUIT CONTINUITY TO ALL CIRCUITS WHICH ARE NOT COMPLETELY REMOVED.
2. CONTRACTOR TO DISCONNECT AND REMOVE ELECTRICAL CONNECTION TO OUTLETS, RECEPTACLES, HVAC EQUIPMENT AND OTHER ELECTRICAL DEVICES. REMOVE CONDUCTORS AND CONDUIT BACK TO PANELBOARD SERVING EQUIPMENT OR TO THE POINT WHERE OTHER REMAINING LOADS ARE CONNECTED. MARK EXISTING OVERCURRENT PROTECTION DEVICE AS "SPARE (UNUSED)".
3. CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONDUIT, CABLE, WIRING, DEVICES, JUNCTION BOXES, FITTINGS, AND RELATED ITEMS FROM ALL PORTIONS OF THE AREA OF WORK INCLUDING WALLS, CEILINGS, FLOORS, ETC.
4. ABANDONED CONDUIT/BOXES SHALL HAVE ALL ELECTRICAL WIRING REMOVED COMPLETELY AND NOT JUST MADE "SAFE". CONDUIT/BOXES SHALL BE REMOVED WHERE PRACTICAL WITHOUT CREATING ADDITIONAL DEMOLITION/RESTITUTION WORK FOR OTHER TRADES. CIRCUITS SUPPLYING EQUIPMENT WHICH IS REMOVED UNDER THE CONTRACT DOCUMENTS FOR ANY DIVISION, SHALL, FOR THE PURPOSES OF THIS NOTE, BE CONSIDERED "ABANDONED".
5. WHERE CONDUIT IS REMOVED FROM AN EXISTING RATED ASSEMBLY NOT SUBJECT TO DEMOLITION, THE REMAINING HOLE SHALL BE PATCHED/REPAIRED TO MAINTAIN THE RATING OF THE ASSEMBLY.



BUILDING KEY PLAN
SCALE: NTS.

REVISIONS		
REVISION NO.	DATE	REMARKS

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GRAND JUNCTION VAMC
DIETETICS - REPLACEMENT OF REFRIGERATORS AND FREEZERS
Dept. of Veterans Affairs 2121 North Avenue Grand Junction, CO 81501
100% CONSTRUCTION DOCUMENTS

DESIGNED: RSB	DRAWN: EAG
APPROVED: JMB	CHECKED: JAV

CLIENT PROJECT NUMBER: 575-14-100
PROJECT NUMBER: 13.1069
DATE: 09/26/2014

BASEMENT AND FIRST FLOOR ELECTRICAL PLANS
E100

ELECTRICAL POWER KEYED NOTES:

1. NEW PANEL '1EQ3D4' TO REPLACE EXISTING PANEL. EXISTING CIRCUITRY TO BE MAINTAINED AND EXTENDED TO NEW PANEL LOCATION. SEE DEMO PLAN 2/E101 AND PANEL SCHEDULE E601.
2. CIRCUIT FOR DOOR HEAT AND LIGHTS FOR FREEZER. COORDINATE JUNCTION BOX LOCATION WITH INSTALLER. REMOVE EXISTING CONDUCTORS FROM EXISTING CONDUIT TO DEMOLISHED COOLER LIGHTS ROUTED TO EXISTING PANEL '1EQ3D1'-17. INSTALL NEW 2-12 AWG, 12 AWG EG IN CONDUIT. INTERCEPT AND RE-USE EXISTING CONDUIT IF POSSIBLE. INSTALL NEW 3/4" CONDUIT IF NOT POSSIBLE TO RE-USE EXISTING CONDUIT. CONTRACTOR TO VERIFY EXISTING CIRCUIT ROUTING.
3. CIRCUIT FOR LIGHTS FOR COOLER. COORDINATE JUNCTION BOX LOCATIONS WITH INSTALLER. REMOVE EXISTING CONDUCTORS FROM EXISTING CONDUIT TO DEMOLISHED COOLER LIGHTS ROUTED TO EXISTING PANEL '1EQ3D1'-13. INSTALL NEW 2-12 AWG, 12 AWG EG IN CONDUIT. INTERCEPT AND RE-USE EXISTING CONDUIT OF POSSIBLE. INSTALL NEW 3/4" CONDUIT IF NOT POSSIBLE TO RE-USE EXISTING CONDUIT. CONTRACTOR TO VERIFY EXISTING CIRCUIT ROUTING.
4. 240V, NEMA 3R, 2P-30 FUSIBLE DISCONNECT FOR WALK IN COOLER CONDENSER ON ROOF. FUSE PER NAMEPLATE. COORDINATE LOCATION WITH INSTALLER. CIRCUIT AS SHOWN, 2-12 AWG, 12 AWG EG, 3/4" C. SECURELY MOUNT ON NON-MOVABLE, NON- REMOVABLE SECTION OF CONDENSER UNIT.
5. 240V RATED, NEMA 3R, 3P-30 FUSIBLE DISCONNECT. FUSE PER NAMEPLATE. 3-12 AWG, 12 AWG EG, 3/4" CONDUIT. SERVICE RECEPTACLE PROVIDED WITH UNIT. SECURELY MOUNT TO NON-MOVABLE, NON-REMOVABLE PORTION OF UNIT; COORDINATE WITH MECHANICAL CONTRACTOR. COORDINATE ANY REQUIRED ROOF PENETRATIONS WITH GENERAL CONTRACTOR.
6. 240V, NEMA 3R, 2P-40A FUSIBLE DISCONNECT FOR WALK-IN FREEZER CONDENSER ON ROOF. FUSE PER NAMEPLATE. SECURELY MOUNT TO NON-MOVABLE, NON-REMOVEABLE SECTION OF CONDENSER. REMOVE EXISTING CONDUCTORS FROM EXISTING CONDUIT TO DEMOLISHED FREEZER AND INSTALL NEW 2-8 AWG, 8 AWG EG, IN CONDUIT TO EXISTING PANEL '1EQ3D'-2,4. RE-USE EXISTING CONDUIT IF POSSIBLE. REPLACE EXISTING 2P-20A BREAKER WITH 2P-40A BREAKER. INSTALL NEW 3/4" CONDUIT IF NOT POSSIBLE TO RE-USE EXISTING CONDUIT. CONTRACTOR TO VERIFY EXISTING CIRCUIT ROUTING.
7. 240V, NEMA 3R, 2P-30 FUSIBLE DISCONNECT FOR EACH WALK-IN COOLER CONDENSER ON ROOF. FUSE PER NAMEPLATE. SECURELY MOUNT TO NON-MOVABLE, NON-REMOVABLE SECTION OF CONDENSER. REMOVE EXISTING CONDUCTORS FROM EXISTING CONDUIT TO DEMOLISHED COOLERS AND INSTALL NEW 2-12 AWG, 12 AWG EG IN CONDUIT TO EXISTING PANEL '1EQ3D' TO CIRCUITS SHOWN. INTERCEPT AND RE-USE EXISTING CONDUIT IF POSSIBLE. INSTALL NEW 3/4' CONDUIT IF NOT POSSIBLE TO RE-USE EXISTING CONDUIT. CONTRACTOR TO VERIFY EXISTING CIRCUIT ROUTING.
8. EQUIPMENT SERVICE RECEPTACLE LOCATED ON ROOF. IF POSSIBLE, MOUNT ON NON-MOVABLE, NON REMOVABLE SECTION OF CONDENSER UNIT. ELSE, LOCATE NEAR COOLER CONDENSER UNITS. COORDINATE ANY REQUIRED ROOF PENETRATIONS WITH GENERAL CONTRACTOR.
9. DEMOLISHED AUTOMATIC DOOR OPENER AND PUSHBUTTONS TO BE RE-USED. PUSHBUTTONS TO BE MOUNTED 42"AFF.
10. RECEPTACLE FOR HEAT TRACE. COORDINATE LOCATION WITH INSTALLER.
11. 240V, 20-30A FUSIBLE DISCONNECT FOR PUMP. FUSE PER NAMEPLATE.
12. INSTALL NEW OUTLET IN SURFACE MOUNTED JUNCTION BOX. CONNECT TO CIRCUIT SHOWN USING 2-12 AWG, 12 AWG EG, IN 3/4" SURFACE MOUNTED CONDUIT. (BID DEDUCT)
13. CONNECT USING 2-12 AWG, 12 AWG EG, IN 3/4" SURFACE MOUNTED CONDUIT. (BID DEDUCT)
14. INSTALL 208V OUTLET IN SURFACE MOUNTED JUNCTION BOX. CONNECT TO CIRCUIT SHOWN USING 2-10 AWG, 10 AWG EG, IN 3/4" SURFACE MOUNTED CONDUIT. (BID DEDUCT)
15. INSTALL (14) 14 AWG CONTROLS CONDUCTORS IN 1" SURFACE MOUNTED CONDUIT FROM EXHAUST HOOD CONTROLS PANEL TO EXHAUST HOOD RECONNECT TO MATCH EXISTING. (BID DEDUCT)
16. INSTALL 3P-60A NEMA 1 LOCKABLE DISCONNECT. CONNECT TO STEAM OVEN AND EXISTING STEAM OVEN FEEDERS AT STEAM OVEN JUNCTION BOX USING 3-4 AWG, 8 AWG EG, IN 1" CONDUIT (BID DEDUCT)
17. INSTALL 3P-60A NEMA 1 LOCKABLE DISCONNECT. CONNECT TO GRIDDLE AND GRIDDLE JUNCTION BOX USING 3-6 AWG, 10 AWG EG IN 1" CONDUIT. (BID DEDUCT)
18. INSTALL 1P-30A NEMA 1 LOCKABLE DISCONNECT. CONNECT TO STEAMER AND STEAMER JUNCTION BOX USING 2-12 AWG, 12 AWG EG IN 3/4" CONDUIT (BID DEDUCT)
19. INSTALL 1P-30A NEMA 1 LOCKABLE DISCONNECT. CONNECT TO STEAM GENERATOR AND STEAM GENERATOR JUNCTION BOX USING 2-12 AWG, 12 AWG EG, IN 3/4" CONDUIT (BID DEDUCT)
20. CONNECT SHUNT TRIPS SPECIFIED ON E601 TO EXISTING HOOD FIRE SUPPRESSION SYSTEM PER DETAIL 8/E501 (BID DEDUCT).

ELECTRICAL POWER DEMOLITION KEYED NOTES:

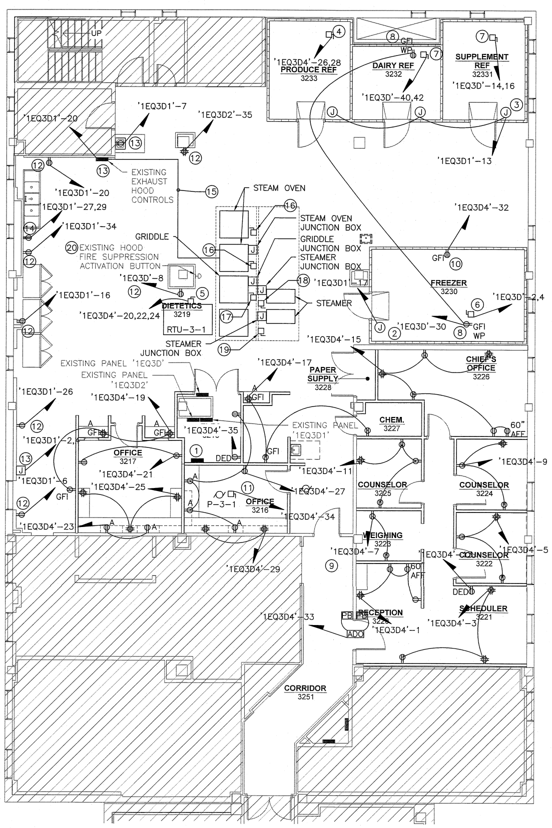
1. EXISTING PANEL '1EQ3D4' TO BE REMOVED, REPLACED, AND RELOCATED. RE-USE CONDUIT WHERE POSSIBLE TO SERVE NEW PANEL '1EQ3D4'. SEE 1/E101 AND E601 FOR ADDITIONAL INFORMATION.
2. EXISTING KEYPAD FOR POWERED DOOR TO BE REMOVED.
3. EXISTING PANELS TO REMAIN
4. EXISTING JUNCTION BOX TO BE REMOVED AND CONDUCTORS AND CONDUIT TO BE REMOVED BACK TO PANEL '1EQ3D4.'
5. ALL ELECTRICAL DEVICES, CONDUCTORS, AND CONDUIT ASSOCIATED WITH DEMOLISHED COOLERS TO BE REMOVED.
6. REMOVE WIRING TO THIS DEVICE. WHERE WIRING IS INACCESSIBLE ABANDON IN PLACE AND TAG CONDUCTORS ON EACH END AS ABANDONED. (BID DEDUCT)
7. DEMO OUTLET. (BID DEDUCT)
8. REMOVE (14) 14 AWG CONTROLS CONDUCTORS AND 3-12 AWG POWER CONDUCTORS FROM CONDUIT. ABANDON CONDUIT IN PLACE. (BID DEDUCT)
9. REMOVE (14) 14 AWG CONTROLS CONDUCTORS FROM 1" CONDUIT DEMO CONDUIT WHERE FEASIBLE. (BID DEDUCT)

ELECTRICAL POWER PLAN NOTES:

1. ALL RECEPTACLE CONDUCTORS SHALL BE 2-12 AWG, 1-12 AWG EG IN 3/4" EMT UNLESS NOTED OTHERWISE.
2. VERIFY LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS.
3. COORDINATE ANY REQUIRED ROOF PENETRATIONS WITH GENERAL CONTRACTOR.
4. EXISTING CONDUCTORS ARE NOT TO BE RE-USED DUE TO POOR CONDITION OF THE INSULATION
5. CIRCUITING SOURCED FROM ONE PANEL SHALL NOT BE INSTALLED TO PASS THROUGH ANOTHER PANEL.

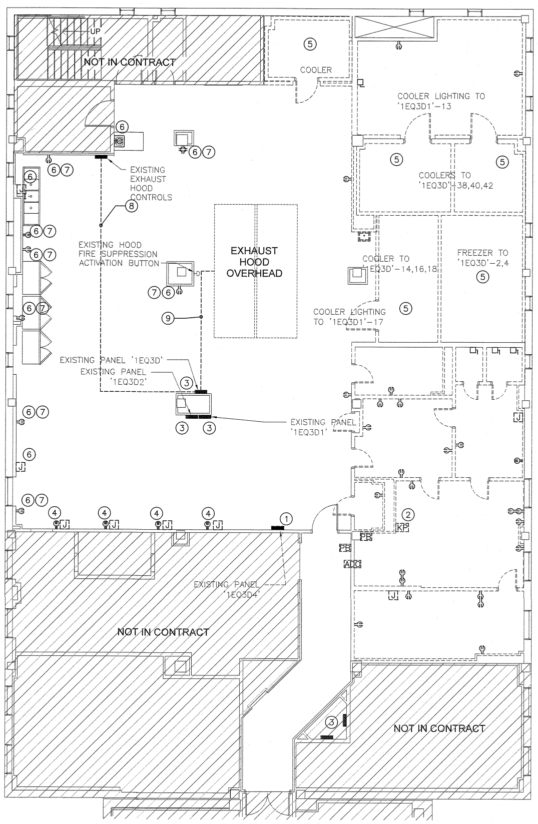
DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING ALL CIRCUITS AND CONDUITS THAT ORIGINATE, PASS THROUGH, OR TERMINATE IN THE AREA OF WORK. DEMOLISH ALL CIRCUITS THAT ARE NO LONGER IN USE. MAINTAIN CIRCUIT CONTINUITY TO ALL CIRCUITS WHICH ARE NOT COMPLETELY REMOVED.
2. CONTRACTOR TO DISCONNECT AND REMOVE ELECTRICAL CONNECTION TO OUTLETS, RECEPTACLES, HVAC EQUIPMENT AND OTHER ELECTRICAL DEVICES. REMOVE CONDUCTORS AND CONDUIT BACK TO PANELBOARD SERVING EQUIPMENT OR TO THE POINT WHERE OTHER REMAINING LOADS ARE CONNECTED. MARK EXISTING OVERCURRENT PROTECTION DEVICE AS "SPARE (UNUSED)".
3. CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONDUIT, CABLE, WIRING, DEVICES, JUNCTION BOXES, FITTINGS, AND RELATED ITEMS FROM ALL PORTIONS OF THE AREA OF WORK INCLUDING WALLS, CEILINGS, FLOORS, ETC.
4. ABANDONED CONDUIT/BOXES SHALL HAVE ALL ELECTRICAL WIRING REMOVED COMPLETELY AND NOT JUST MADE "SAFE". CONDUIT/BOXES SHALL BE REMOVED WHERE PRACTICAL WITHOUT CREATING ADDITIONAL DEMOLITION/RESTITUTION WORK FOR OTHER TRADES. CIRCUITS SUPPLYING EQUIPMENT WHICH IS REMOVED UNDER THE CONTRACT DOCUMENTS FOR ANY DIVISION, SHALL, FOR THE PURPOSES OF THIS NOTE, BE CONSIDERED "ABANDONED".
5. WHERE CONDUIT IS REMOVED FROM AN EXISTING RATED ASSEMBLY NOT SUBJECT TO DEMOLITION, THE REMAINING HOLE SHALL BE PATCHED/REPAIRED TO MAINTAIN THE RATING OF THE ASSEMBLY.



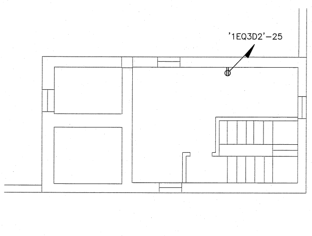
1 THIRD FLOOR ELECTRICAL POWER PLAN

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



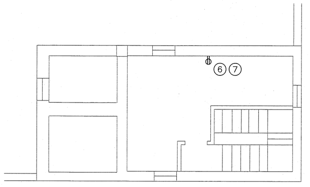
2 THIRD FLOOR ELECTRICAL POWER DEMOLITION PLAN

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



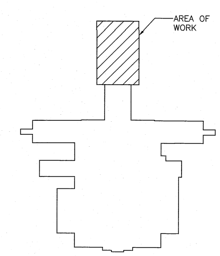
3 FOURTH FLOOR ELECTRICAL POWER PLAN

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



4 FOURTH FLOOR ELECTRICAL POWER DEMOLITION PLAN

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



BUILDING KEY PLAN

SCALE: N.T.S.

REVISIONS

REVISION NO.	DATE	REMARKS

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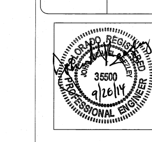


GRAND JUNCTION VAMC
DIETETICS - REPLACEMENT OF REFRIGERATORS AND FREEZERS
Dept. of Veterans Affairs 2121 North Avenue Grand Junction, CO 81501
100% CONSTRUCTION DOCUMENTS

DESIGNED: JKM	DRAWN: EAG
APPROVED: JMB	CHECKED: JAV

CLIENT PROJECT NUMBER
575-14-100
PROJECT NUMBER
13.1069
DATE
09/26/2014

THIRD FLOOR ELECTRICAL POWER PLANS

E101

LIGHTING KEYED NOTES:

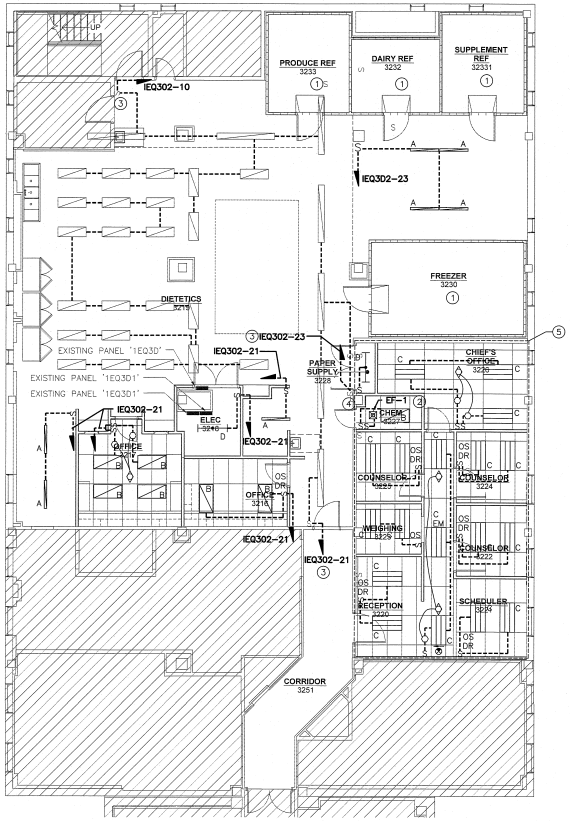
1. COOLER LIGHTING PROVIDED WITH UNITS TO BE INSTALLED BY CONTRACTOR. SEE E101 FOR CIRCUITING.
2. PROVIDE MOTOR-RATED SWITCH FOR EXHAUST FAN AND CIRCUIT TO NEARBY LIGHTING CIRCUIT.
3. INSTALL NEW SWITCH. RECIRCUIT EXISTING LIGHTING AS SHOWN USING SURFACE MOUNT RACEWAY & SURFACE MOUNT BOXES (BID DEDUCT).
4. INSTALL SWITCH & RECONNECT TO EXISTING LIGHTING CIRCUIT. (BID DEDUCT).
5. CIRCUIT ALL LIGHTING IN THIS AREA EXCEPT FOR EMERGENCY LIGHTS TO '1EQ3D4'-31.

LIGHTING PLAN NOTES:

1. ALL LIGHTING CONDUCTORS SHALL BE 2-12 AWG, 1-12 AWG EG IN 3/4" EMT UNLESS NOTED OTHERWISE. CIRCUIT TO '1EQ3D4'-31.
2. CIRCUIT ALL EMERGENCY/EXIT LIGHTS ON NEAREST EMERGENCY LIFE SAFETY CIRCUIT.
3. LOCATION AND QUANTITY OF OCCUPANCY SENSORS IS APPROXIMATE. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDED PLACEMENT AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.

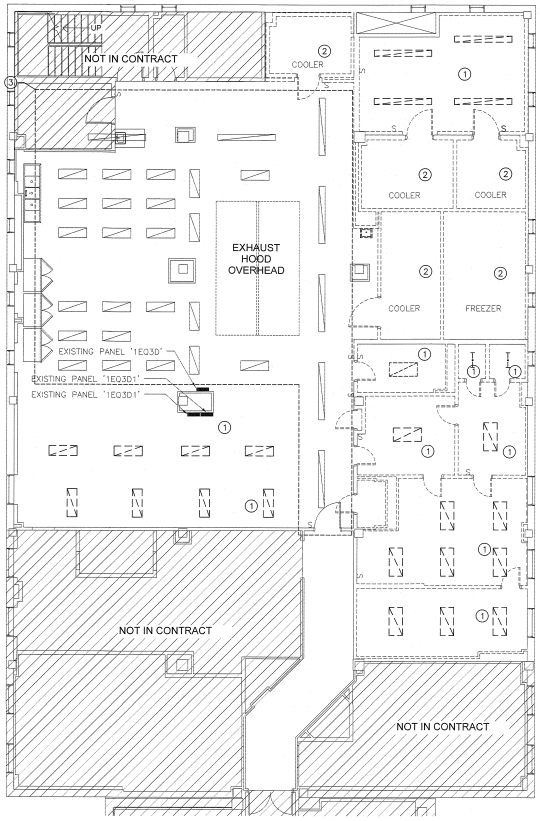
LIGHTING DEMOLITION KEYED NOTES:

1. LIGHTS INDICATED SHALL BE USED ONLY AS A GUIDE IN ILLUSTRATING SCOPE.
2. DEMOLISH ALL LIGHTING DEVICES AND ASSOCIATED CONDUCTORS AND CONDUIT FOR EXISTING WALK-IN COOLERS.
3. DEMOLISH ALL CONDUCTORS & EXPOSED CONDUIT TO SOURCE PANEL. FOR DEVICES SHOWN IN THIS AREA LIGHT FIXTURES ARE TO BE REUSED (BID DEDUCT).



1 THIRD FLOOR LIGHTING PLAN

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

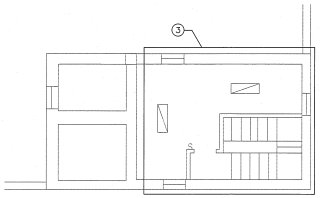


2 THIRD FLOOR LIGHTING DEMOLITION PLAN

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

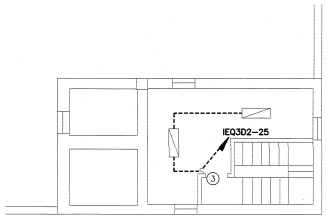
DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING ALL CIRCUITS AND CONDUITS THAT ORIGINATE, PASS THROUGH, OR TERMINATE IN THE AREA OF WORK. DEMOLISH ALL CIRCUITS THAT ARE NO LONGER IN USE. MAINTAIN CIRCUIT CONTINUITY TO ALL CIRCUITS WHICH ARE NOT COMPLETELY REMOVED.
2. CONTRACTOR TO DISCONNECT AND REMOVE ELECTRICAL CONNECTION TO OUTLETS, RECEPTACLES, HVAC EQUIPMENT AND OTHER ELECTRICAL DEVICES. REMOVE CONDUCTORS AND CONDUIT BACK TO PANELBOARD SERVING EQUIPMENT OR TO THE POINT WHERE OTHER REMAINING LOADS ARE CONNECTED. MARK EXISTING OVERCURRENT PROTECTION DEVICE AS "SPARE (UNUSED)".
3. CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONDUIT, CABLE, WIRING, DEVICES, JUNCTION BOXES, FITTINGS, AND RELATED ITEMS FROM ALL PORTIONS OF THE AREA OF WORK INCLUDING WALLS, CEILINGS, FLOORS, ETC.
4. ABANDONED CONDUIT/BOXES SHALL HAVE ALL ELECTRICAL WIRING REMOVED COMPLETELY AND NOT JUST MADE "SAFE". CONDUIT/BOXES SHALL BE REMOVED WHERE PRACTICAL WITHOUT CREATING ADDITIONAL DEMOLITION/RESTITUTION WORK FOR OTHER TRADES. CIRCUITS SUPPLYING EQUIPMENT WHICH IS REMOVED UNDER THE CONTRACT DOCUMENTS FOR ANY DIVISION, SHALL, FOR THE PURPOSES OF THIS NOTE, BE CONSIDERED "ABANDONED".
5. WHERE CONDUIT IS REMOVED FROM AN EXISTING RATED ASSEMBLY NOT SUBJECT TO DEMOLITION, THE REMAINING HOLE SHALL BE PATCHED/REPAIRED TO MAINTAIN THE RATING OF THE ASSEMBLY.



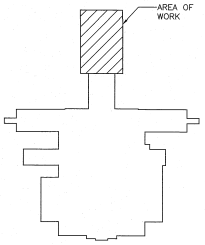
3 FOURTH FLOOR LIGHTING DEMOLITION PLAN

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



4 FOURTH FLOOR LIGHTING PLAN

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



BUILDING KEY PLAN

SCALE: NTS.

REVISIONS			
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COLORADO REGISTERED PROFESSIONAL ENGINEER 35500 9/26/14

GRAND JUNCTION VAMC

DIETETICS - REPLACEMENT OF REFRIGERATORS AND FREEZERS

Dept. of Veterans Affais 2121 North Avenue Grand Junction, CO 81501

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PROJECT NUMBER	13.1069
DATE	09/26/2014

THIRD FLOOR LIGHTING PLANS

E102

TECHNOLOGY KEYED NOTES:

1. FINAL LOCATION OF RELOCATED DEVICE.
2. EXISTING CABLE TRAY TO REMAIN.
3. FIRE ALARM DEVICES IN THE AREA OF WORK SHALL TERMINATE AT FIRE ALARM N.A.C. PANEL.
4. LOCATION OF VIDEO SURVEILLANCE RACK, DVR, STORAGE, ETC. SEE DETAIL 5 SHEET E501 FOR DETAILS.
5. SECURITY CAMERAS SHALL CONNECT THROUGH VIDEO SURVEILLANCE RACK IN ELECTRICAL ROOM 3218. SEE DETAIL 5 SHEET E501 FOR DETAILS.
6. FUTURE CARD READER/ELECTRONIC LOCK SYSTEM ROUGH-IN. SEE DETAIL 6 SHEET E501 FOR DETAILS.

TECHNOLOGY PLAN NOTES:

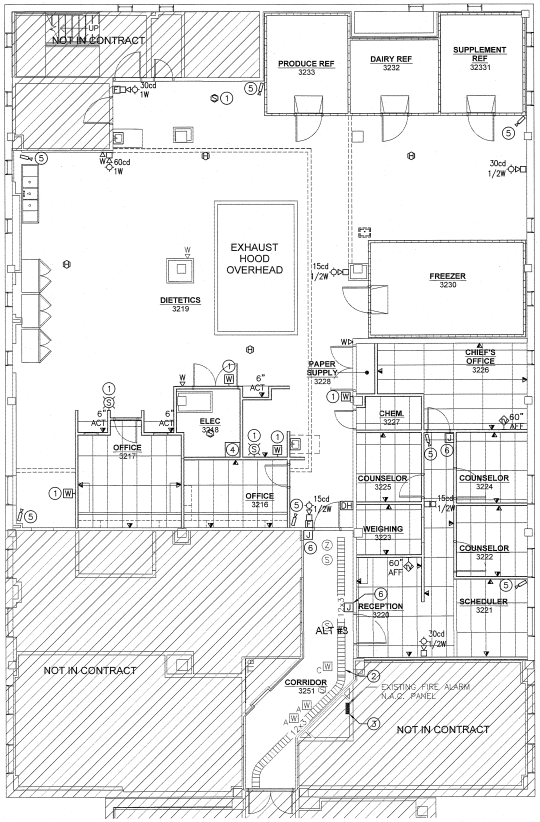
1. ALL COMMUNICATIONS DEVICES AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE MANUFACTURER'S RECOMMENDED PROCEDURES, ALL APPLICABLE LOCAL AND STATE CODES, AMERICAN DISABILITIES ACT AND WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND BICSI STANDARDS.
2. A CORRIDOR, ROOM, OR ADJACENT SPACE WITH TWO OR MORE VISIBLE FIRE ALARM NOTIFICATION APPLIANCES WITHIN THE FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION.
3. PROVIDE 1" CONDUIT FOR ALL COMBINATION TELECOM/DATA RECEPTACLES. CONDUIT SHALL RUN TO NEAREST EXISTING TELECOM/DATA CABLE TRAY IN CORRIDOR.
4. SEE SHEET E401 FOR TELEPHONE, DATA, DISTRIBUTED ANTENNA SYSTEM (DAS), AND PUBLIC ADDRESS MASS NOTIFICATION (PAMN) SYSTEM DEVICE TERMINATION LOCATIONS.

DEMOLITION KEYED NOTES:

1. DEVICE SHALL BE RELOCATED AS NECESSARY TO REMAIN IN OPERATION AND PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION ACTIVITIES. SEE 1/E103 FOR FINAL LOCATION.
2. EXISTING CABLE TRAY TO REMAIN. CONTRACTOR SHALL REMOVE ALL EXISTING INACTIVE CABLES ALL THE WAY TO THE SOURCE.
3. EXISTING FIRE ALARM NAC PANEL TO REMAIN.
4. EXISTING TELEPHONE TERMINAL BOARD WITH TERMINATING BLOCKS TO REMAIN.
5. CONTRACTOR SHALL TEST TO VERIFY SERVICEABILITY OF EXISTING DEVICES TO REMAIN AND PROVIDE REPLACEMENT DEVICE AND ALL NECESSARY ASSOCIATED ELECTRICAL CONDUCTORS, CONDUIT, JUNCTION BOXES, AND HARDWARE FOR ANY DEVICES FOUND UNSERVICEABLE.

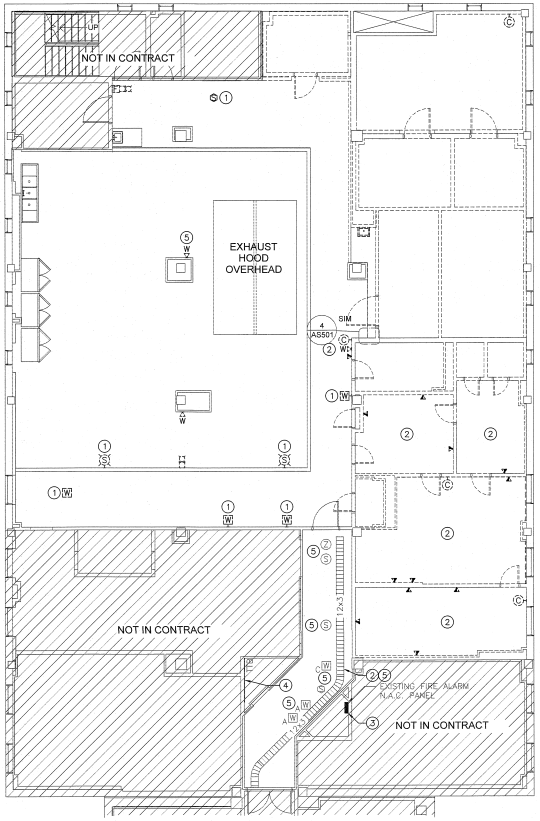
DEMOLITION NOTES:

1. FOR DEVICES, FIXTURES, AND EQUIPMENT TO BE DEMOLISHED (SHOWN IN DASHED, FULL LINE WEIGHT) ON THIS PLAN, CONTRACTOR SHALL DEMOLISH IT AND ALL ASSOCIATED ELECTRICAL CONDUCTORS, CONDUIT, JUNCTION BOXES, AND HARDWARE BACK TO SOURCE UNLESS NOTED OTHERWISE.
2. FOR EXISTING DEVICES TO REMAIN (SHOWN IN GREYSCALE) ON THIS PLAN, CONTRACTOR SHALL TEST TO VERIFY SERVICEABILITY AND PROVIDE REPLACEMENT DEVICE AND ALL NECESSARY ASSOCIATED ELECTRICAL CONDUCTORS, CONDUIT, JUNCTION BOXES, AND HARDWARE FOR ANY DEVICES FOUND UNSERVICEABLE.



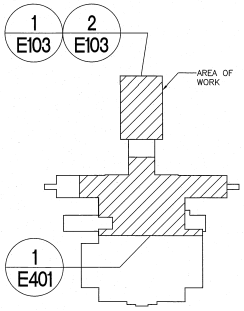
1 THIRD FLOOR TECHNOLOGY PLAN

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



2 THIRD FLOOR TECHNOLOGY DEMOLITION PLAN

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



BUILDING KEY PLAN

SCALE: N.T.S.

REVISIONS		
REVISION NO.	DATE	REMARKS

Interior Design
COOVERCLARK ASSOCIATES
1936 Market Street
Denver, CO 80202
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MEP Engineer
APOGEE CONSULTING GROUP
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Raleigh, NC 27607
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DESIGN ARCHITECT/ENGINEER

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SUSTAINABLE ARCHITECTURE + ENGINEERING

COLORADO REGISTERED PROFESSIONAL ENGINEER 36500 9/26/14

GRAND JUNCTION VAMC

DIETETICS - REPLACEMENT OF REFRIGERATORS AND FREEZERS

Dept. of Veterans Affairs 2121 North Avenue Grand Junction, CO 81501

100% CONSTRUCTION DOCUMENTS

DESIGNED:	DRAWN:
KSB	EAG
APPROVED:	CHECKED:
JMB	JAV

CLIENT PROJECT NUMBER: 575-14-100

PROJECT NUMBER: 13.1069

DATE: 09/26/2014

THIRD FLOOR TECHNOLOGY PLANS

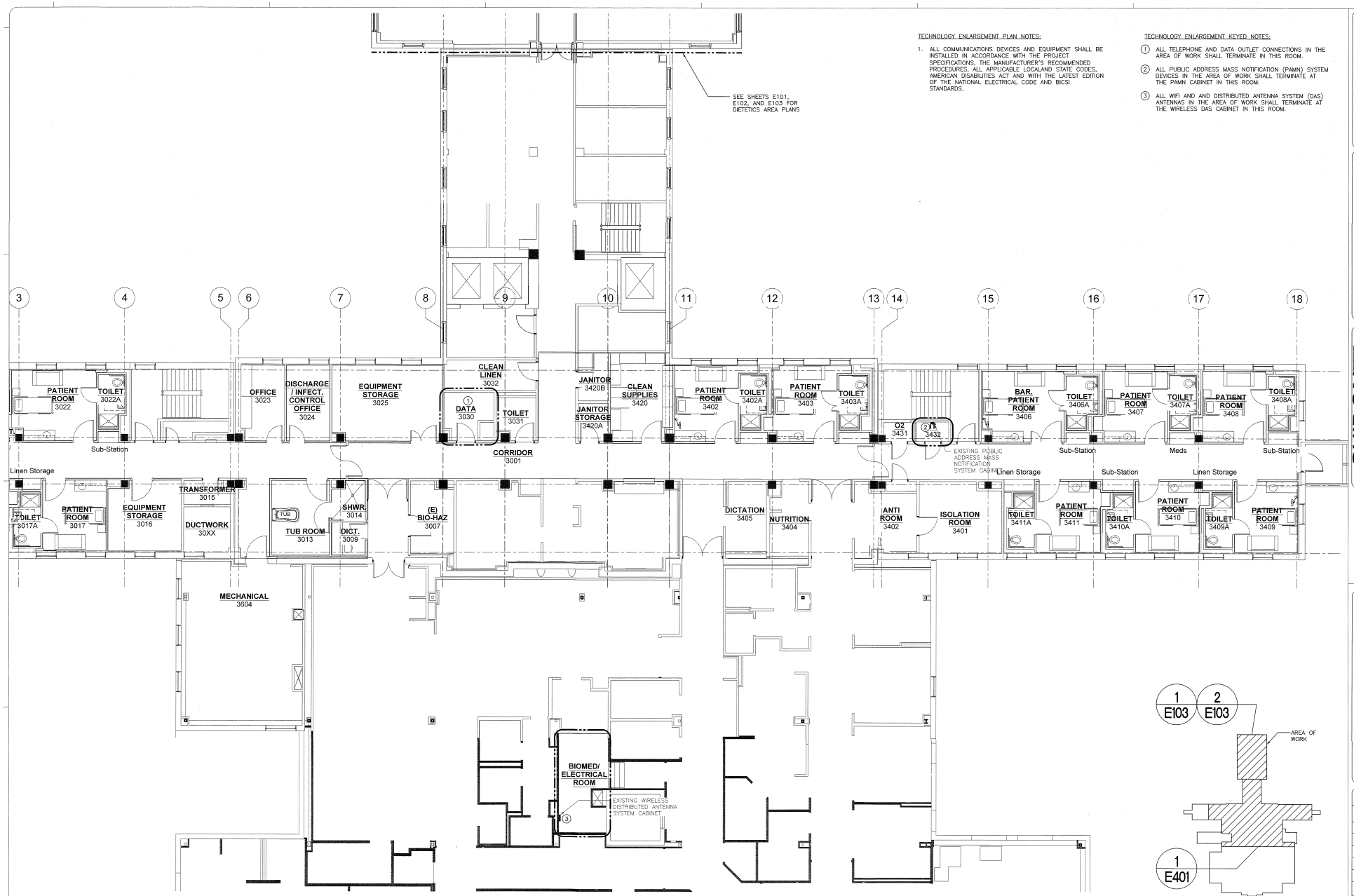
E103

TECHNOLOGY ENLARGEMENT PLAN NOTES:

1. ALL COMMUNICATIONS DEVICES AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE MANUFACTURER'S RECOMMENDED PROCEDURES, ALL APPLICABLE LOCALAND STATE CODES, AMERICAN DISABILITIES ACT AND WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND BICSI STANDARDS.

TECHNOLOGY ENLARGEMENT KEYED NOTES:

1. ALL TELEPHONE AND DATA OUTLET CONNECTIONS IN THE AREA OF WORK SHALL TERMINATE IN THIS ROOM.
2. ALL PUBLIC ADDRESS MASS NOTIFICATION (PAMN) SYSTEM DEVICES IN THE AREA OF WORK SHALL TERMINATE AT THE PAMN CABINET IN THIS ROOM.
3. ALL WIFI AND AND DISTRIBUTED ANTENNA SYSTEM (DAS) ANTENNAS IN THE AREA OF WORK SHALL TERMINATE AT THE WIRELESS DAS CABINET IN THIS ROOM.



1 THIRD FLOOR TECHNOLOGY ROUTING PLAN

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

BUILDING KEY PLAN

SCALE: N.T.S.

REVISIONS

REVISION NO.	DATE	REMARKS

Interior Design
COOVERCLARK ASSOCIATES
1936 Market Street
Denver, CO 80202
Tele: 303-783-0040

MEP Engineer
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APPROVED: JMB	CHECKED: JAV

CLIENT PROJECT NUMBER: 575-14-100
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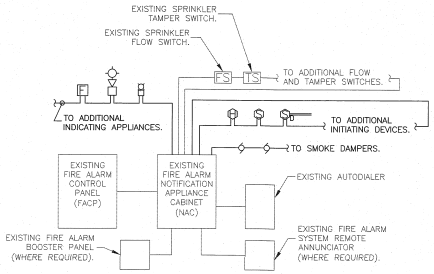
DATE: 09/26/2014

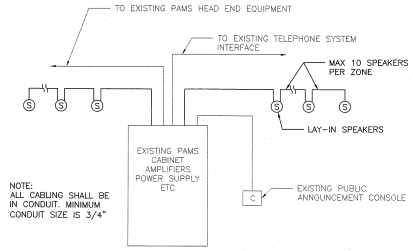
TECHNOLOGY ROUTING PLAN

E401



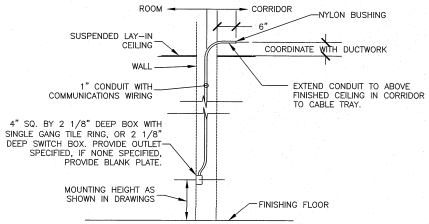
1 TYPICAL FIRE ALARM RISER DIAGRAM

SCALE: N.T.S.



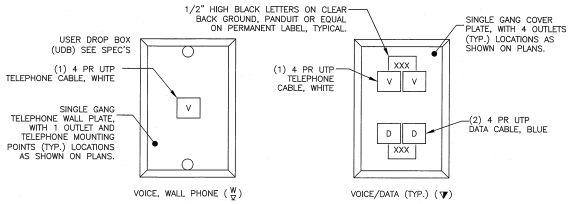
2 TYPICAL PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEM RISER DIAGRAM

SCALE: N.T.S.



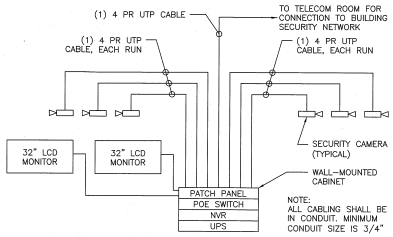
3 TYPICAL VOICE AND DATA OUTLET ELEVATION INSTALLATION DETAIL

SCALE: N.T.S.



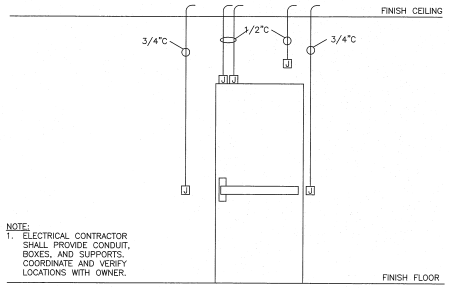
4 TYPICAL VOICE AND DATA OUTLET FACEPLATE DETAILS

SCALE: N.T.S.



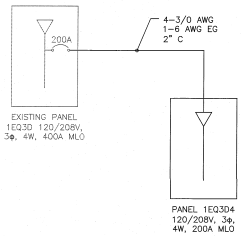
5 TYPICAL CAMERA SYSTEM RISER DIAGRAM

SCALE: N.T.S.



6 TYPICAL CARD READER ROUGH-IN DETAIL

SCALE: N.T.S.

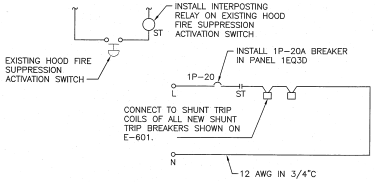


NOTES:

1. REMOVE EXISTING PANEL '1EQ3D4'
2. PROVIDE NEW PANEL '1EQ3D4' IN NEW LOCATION. PROVIDE NEW CONDUCTORS TO EXISTING CIRCUIT PREVIOUSLY SERVING PANEL, FROM PANEL '1EQ3D'. REUSE EXISTING CONDUIT WHERE POSSIBLE.

7 ELECTRICAL SINGLE LINE DIAGRAM

SCALE: N.T.S.



8 ELECTRICAL SINGLE LINE DIAGRAM

SCALE: N.T.S.

REVISIONS			
REVISION NO.	DATE	REMARKS	

Interior Design
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CLIENT PROJECT NUMBER	
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DATE	
09/26/2014	

ELECTRICAL DETAILS

E501

LOAD SERVED	KVA / Phase A	B	C	CKT BRKR	CKT NO	NEUTRAL A B C	CKT NO	CKT BRKR	KVA / Phase A	B	C	LOAD SERVED
EXHAUST HOOD	0.00	—	—	3P-50	1		2	**2P-40**	**5.97**	**—**	**—**	**WALK-IN FREEZER RM 3230***
	—	0.00	—		3		4		**—**	**5.97**	**—**	
	—	—	0.00		5		6	**—**	**—**	**—**	**0.00**	**BLANK**
GRILL UNDER HOOD ***	0.00	—	—	3P-60	7		8	1P-20	0.00	—	—	WARMER
	—	0.00	—		9		10	1P-20	—	0.00	—	SPARE
	—	—	0.00		11		12	1P-20	—	—	0.00	SPARE
OVEN #2 ***	0.00	—	—	3P-60	13		14	**2P-20**	**2.64**	**—**	**—**	**WALK-IN COOLER SUPPLEMENTAL RM 32331****
	—	0.00	—		15		16		**—**	**2.64**	**—**	
	—	—	0.00		17		18	**—**	**—**	**—**	**0.00**	**BLANK****
OVEN #1 ***	0.00	—	—	3P-60	19		20	3P-30	0.00	—	—	1-DWM-1
	—	0.00	—		21		22		—	0.00	—	
	—	—	0.00		23		24		—	—	0.00	
BLANK	0.00	—	—	2P-40	25		26	30-60	0.00	—	—	SPARE
COFFEE MACHINE	—	0.00	—		27		28		—	0.00	—	
	—	—	0.00		29		30		—	—	0.00	
EXHAUST HOOD	0.00	—	—	3P-20	31		32	3P-15	0.00	—	—	GARBAGE DISPOSAL RM 3215
	—	0.00	—		33		34		—	0.00	—	
	—	—	0.00		35		36		—	—	0.00	
SPARE	0.00	—	—	3P-20	37		38	**—**	**0.00**	**—**	**—**	**BLANK*****
	—	0.00	—		39		40	**2P-20**	**—**	**2.64**	**—**	**WALK-IN COOLER DAIRY RM 3232*****
	—	—	0.00		41		42		**—**	**—**	**2.64**	
PANEL '1EQ3D4'	0.00	—	—	3P-200								
	—	0.00	—									
	—	—	0.00									
SUB TOTAL	0.00	0.00	0.00						8.61	11.25	2.64	SUB TOTAL
									8.61	11.25	2.64	TOTAL

C/B TEMP. 75 C. RATING 120 208 V 3 PH 4 WIRE
MOUNTING SURFACE
ISOLATED GROUND BUS ___ YES X NO
MAIN CIRCUIT BREAKER ___ YES X NO
SERVICE ENTR. RATED ___ YES X NO
MINIMUM AIC (K AMPS) 10
MCB RATING MLO
BUS RATING 400A
NEUTRAL RATING 100%

LOAD TYPE		CONNECTED KVA A	B	C	NEC DEM FACTOR	DEMAND KVA A	B	C
GENERAL LIGHTING		0.00	0.00	0.00	125%	0.00	0.00	0.00
GENERAL USE RECEPT		0.00	0.00	0.00	<=10 KVA@100% / >10KVA@50%	0.00	0.00	0.00
MOTORS AND EQUIPMENT	LARGEST	0.00	0.00	0.00	125%	0.00	0.00	0.00
	ALL OTHERS	0.00	0.00	0.00	100%	0.00	0.00	0.00
WATER HEATERS		0.00	0.00	0.00	125%	0.00	0.00	0.00
FIX. ELEC. SPACE HEAT		0.00	0.00	0.00	100%	0.00	0.00	0.00
DEDICATED RECEPT		0.00	0.00	0.00	100%	0.00	0.00	0.00
SIGN		0.00	0.00	0.00	125%	0.00	0.00	0.00
TOTAL KVA PER PHASE		0.00	0.00	0.00		0.00	0.00	0.00
TOTAL DEMAND AMPERES PER PHASE						0	0	0
PANEL / FEEDER (TOTAL KVA)								0.00
(TOTAL KVA) X 1000 = TOTAL AMPS VOLTS X 1.732								0

NOTE: ALL MOTOR CIRCUIT BREAKERS MUST BE HACR RATED.
*REPLACE EXISTING 2P-20 WITH 2P-40A BREAKER
** REPLACE EXISTING 3P-40 WITH 2P-20 AND A BLANK
***REPLACE EXISTING 3P-70 WITH 2P-20 AND A BLANK

EXISTING PANEL 1EQ3D

1. CONTRACTOR TO REMOVE ALL ABANDONED CIRCUITS SOURCE FROM PANEL. REMOVE ALL WIRING AND EXPOSED CONDUIT TO DEVICES. ALL ABANDONED CIRCUITS ARE NOTED (DEMO DEDUCT ALT) ON PANEL SCHEDULES ON THIS SHEET. PROVIDE DEMOLITION OF THESE BRANCH CIRCUITS AS PART OF DEDUCT ALTERNATE.

LOAD SERVED	KVA / Phase A	B	C	CKT BRKR	CKT NO	NEUTRAL A B C	CKT NO	CKT BRKR	KVA / Phase A	B	C	LOAD SERVED
SPARE W/ WIRE **(DEMO BID DEDUCT)**	0.00	—	—	1P-20	1		2	1P-20	0.00	—	—	RECEPT 3219
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	0.00	—	1P-20	3		4	1P-20	—	0.00	—	SPARE W/ WIRE **(DEMO BID DEDUCT)**
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	—	0.00	1P-20	5		6	1P-20	—	—	0.00	**SPARE W/ WIRE (DEMO BID DEDUCT)**
SPARE	0.00	—	—	1P-20	7		8	1P-20	0.00	—	—	SPARE W/ WIRE **(DEMO BID DEDUCT)**
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	0.00	—	1P-20	9		10	1P-20	—	0.00	—	**RECEPT HOOD *** **
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	—	0.00	1P-20	11		12	1P-20	—	—	0.00	**LTS KITCHEN HOOD *** **
LTS 3204, 3251	0.20	—	—	1P-20	13		14	—	0.00	—	—	SPACE
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	0.00	—	1P-20	15		16	1P-20	—	0.00	—	RECEPT 3228
LIGHTS SKULL REF.	—	—	0.00	1P-20	17		18	1P-20	—	—	0.00	SPARE
SPARE W/ WIRE **(DEMO BID DEDUCT)**	0.00	—	—	1P-20	19		20	1P-20	0.00	—	—	EXAUST HOOD CONTROLS
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	0.00	—	1P-20	21		22	1P-20	—	0.00	—	RECEPT 3228
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	—	0.00	1P-20	23		24	1P-20	—	—	0.00	SPARE W/ WIRE **(DEMO BID DEDUCT)**
CHILLER * **	0.00	—	—	2P-20	25		26	1P-20	0.00	—	—	RECEPT 3228
	—	0.00	—		27		28	1P-20	—	0.00	—	**STEAMER *** **
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	—	0.00	1P-20	29		30	1P-20	—	—	0.00	LTS 3219
SPARE W/ WIRE **(DEMO BID DEDUCT)**	0.00	—	—	2P-20	31		32	1P-20	0.00	—	—	SPARE W/ WIRE **(DEMO BID DEDUCT)**
FREEZER 3333*	—	0.00	—	2P-20	33		34	1P-20	—	0.00	—	RECEPT 3228
FAN ROOM 3333*	—	—	0.00		35		36	1P-20	—	—	0.00	RECEPT 3228
SHUNT TRIP	0.00	—	—	1P-20	37		38	—	0.00	—	—	SPACE
SPACE	—	0.00	—	—	39		40	—	—	0.00	—	SPACE
SPACE	—	—	0.00	—	41		42	—	—	—	0.00	SPACE
SUB TOTAL	0.00	0.00	0.00						0.00	0.00	0.00	SUB TOTAL
									0.00	0.00	0.00	TOTAL

C/B TEMP. 75 C. RATING 120 208 V 3 PH 4 WIRE
MOUNTING SURFACE
ISOLATED GROUND BUS ___ YES X NO
MAIN CIRCUIT BREAKER ___ YES X NO
SERVICE ENTR. RATED ___ YES X NO
MINIMUM AIC (K AMPS) 22
MCB RATING MLO
BUS RATING 400A
NEUTRAL RATING 100%

LOAD TYPE		CONNECTED KVA A	B	C	NEC DEM FACTOR	DEMAND KVA A	B	C
GENERAL LIGHTING		0.00	0.00	0.00	125%	0.00	0.00	0.00
GENERAL USE RECEPT		0.00	0.00	0.00	<=10 KVA@100% / >10KVA@50%	0.00	0.00	0.00
MOTORS AND EQUIPMENT	LARGEST	0.00	0.00	0.00	125%	0.00	0.00	0.00
	ALL OTHERS	0.00	0.00	0.00	100%	0.00	0.00	0.00
WATER HEATERS		0.00	0.00	0.00	125%	0.00	0.00	0.00
FIX. ELEC. SPACE HEAT		0.00	0.00	0.00	100%	0.00	0.00	0.00
DEDICATED RECEPT		0.00	0.00	0.00	100%	0.00	0.00	0.00
SIGN		0.00	0.00	0.00	125%	0.00	0.00	0.00
TOTAL KVA PER PHASE		0.00	0.00	0.00		0.00	0.00	0.00
TOTAL DEMAND AMPERES PER PHASE						0	0	0
PANEL / FEEDER (TOTAL KVA)								0.00
(TOTAL KVA) X 1000 = TOTAL AMPS VOLTS X 1.732								0

NOTE: ALL MOTOR CIRCUIT BREAKERS MUST BE HACR RATED.
*-SPLIT THIS CIRCUIT ONTO SEPERATE 1P-20A BREAKERS **(DEDUCT ALT)**

PANEL '1EQ3D1'

1. CONTRACTOR TO REMOVE ALL ABANDONED CIRCUITS SOURCE FROM PANEL. REMOVE ALL WIRING AND EXPOSED CONDUIT TO DEVICES. ALL ABANDONED CIRCUITS ARE NOTED (DEMO DEDUCT ALT) ON PANEL SCHEDULES ON THIS SHEET. PROVIDE DEMOLITION OF THESE BRANCH CIRCUITS AS PART OF DEDUCT ALTERNATE.

* RECONNECT LOAD REMOVED FROM EXISTING PANEL '1EQ3D4' TO NEW BREAKERS. EXTEND CIRCUITS AS REQUIRED FROM OLD LOCATION. 3-10 AWG, 10 AWG EG, 3/4" C.
*** REPLACE BREAKER FEEDING DEVICE WITH SHUNT TRIP BREAKER. CONNECT TO SHUNT TRIP CONTROL CIRCUIT SHOWN ON DETAIL 7/E501. RELOCATE BREAKERS AND RECONNECT TO EXISTING WIRING AS NECESSARY TO ACCOMMODATE ADDITIONAL SPACE REQUIRED FOR SHUNT TRIP DEVICE (BID DEFAULT).

LOAD SERVED	KVA / Phase A	B	C	CKT BRKR	CKT NO	NEUTRAL A B C	CKT NO	CKT BRKR	KVA / Phase A	B	C	LOAD SERVED
PANEL 1EQ3D3	0.00	—	—	3P-100	1		2	1P-20	0.00	—	—	FAN EAST WALL
	—	0.00	—		3		4	1P-20	—	0.00	—	RECEPT 3204
	—	—	0.00		5		6	1P-20	—	—	0.00	RECEPT EAST WALL
SPARE W/ WIRE **(DEMO BID DEDUCT)**	0.00	—	—	1P-20	7		8	1P-20	0.00	—	—	SPARE W/ WIRE **(DEMO BID DEDUCT)**
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	0.00	—	1P-20	9		10	1P-20	—	0.00	—	LTS 3228
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	—	0.00	1P-20	11		12	1P-20	—	—	0.00	SPARE W/ WIRE **(DEMO BID DEDUCT)**
LTS 3215	0.00	—	—	1P-20	13		14	1P-20	0.00	—	—	SPARE
SPACE	—	0.00	—	—	15		16	1P-20	—	0.00	—	SPACE
RECEPT 3215	—	—	0.00	1P-20	17		18	1P-20	—	—	0.00	SPACE
LTS 3214, 3204	0.00	—	—	1P-20	19		20	1P-20	0.00	—	—	KITCHEN HALL LTS
LTS 3228	—	0.00	—	1P-20	21		22	1P-20	—	0.00	—	SPARE W/ WIRE **(DEMO BID DEDUCT)**
LTS 3228	—	—	0.00	1P-20	23		24	1P-20	—	—	0.00	SPARE
SPARE	0.00	—	—	1P-20	25		26	3P-30	0.00	—	—	SPARE
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	0.00	—	1P-20	27		28		—	0.00	—	
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	—	0.00	1P-20	29		30		—	—	0.00	
SPARE W/ WIRE **(DEMO BID DEDUCT)**	0.00	—	—	1P-20	31		32	3P-30	0.00	—	—	WALK-IN REFRIGERATOR
SPARE W/ WIRE **(DEMO BID DEDUCT)**	—	0.00	—	1P-20	33		34		—	0.00	—	
RECEPT 3228	—	—	0.00	1P-20	35		36		—	—	0.00	
RECEPT 3211	0.00	—	—	1P-20	37		38	1P-20	0.00	—	—	SPARE W/ WIRE **(DEMO DEDUCT ALT)**
EX FAN DISH ROOM	—	0.00	—	1P-20	39		40	2P-40	—	0.00	—	SPARE
SPACE	—	—	0.00	—	41		42		—	—	0.00	
SUB TOTAL	0.00	0.00	0.00						0.00	0.00	0.00	SUB TOTAL
									0.00	0.00	0.00	TOTAL

C/B TEMP. 75 C. RATING 120 208 V 3 PH 4 WIRE
MOUNTING SURFACE
ISOLATED GROUND BUS ___ YES X NO
MAIN CIRCUIT BREAKER ___ YES X NO
SERVICE ENTR. RATED ___ YES X NO
MINIMUM AIC (K AMPS) 22
MCB RATING MLO
BUS RATING 400A
NEUTRAL RATING 100%

LOAD TYPE		CONNECTED KVA A	B	C	NEC DEM FACTOR	DEMAND KVA A	B	C
GENERAL LIGHTING		0.00	0.00	0.00	125%	0.00	0.00	0.00
GENERAL USE RECEPT		0.00	0.00	0.00	<=10 KVA@100% / >10KVA@50%	0.00	0.00	0.00
MOTORS AND EQUIPMENT	LARGEST	0.00	0.00	0.00	125%	0.00	0.00	0.00
	ALL OTHERS	0.00	0.00	0.00	100%	0.00	0.00	0.00
WATER HEATERS		0.00	0.00	0.00	125%	0.00	0.00	0.00
FIX. ELEC. SPACE HEAT		0.00	0.00	0.00	100%	0.00	0.00	0.00
DEDICATED RECEPT		0.00	0.00	0.00	100%	0.00	0.00	0.00
SIGN		0.00	0.00	0.00	125%	0.00	0.00	0.00
TOTAL KVA PER PHASE		0.00	0.00	0.00		0.00	0.00	0.00
TOTAL DEMAND AMPERES PER PHASE						0	0	0
PANEL / FEEDER (TOTAL KVA)								0.00
(TOTAL KVA) X 1000 = TOTAL AMPS VOLTS X 1.732								0

NOTE: ALL MOTOR CIRCUIT BREAKERS MUST BE HACR RATED.

PANEL '1EQ3D2'

LOAD SERVED	KVA / Phase A	B	C	CKT BRKR	CKT NO	NEUTRAL A B C	CKT NO	CKT BRKR	KVA / Phase A	B	C	LOAD SERVED
RM 3220 RECEPTION REC	**0.72**	**—**	**—**	**1P-20**	1		2	3P-30	1.44	—	—	EXISTING DISPOSAL*
RM 3221 SCHEDULER REC	**—**	**0.72**	**—**	**1P-20**	3		4		—	1.44	—	
RM 3222 COUNSELOR REC	**—**	**—**	**0.72**	**1P-20**	5		6		—	—	1.44	
RM 3223 WEIGHING REC	**0.36**	**—**	**—**	**1P-20**	7		8	3P-50	2.40	—	—	EXISTING DISHWASHER**
RM 3224 COUNSELOR REC	**—**	**0.72**	**—**	**1P-20**	9		10		—	2.40	—	
RM 3225 COUNSELOR REC	**—**	**—**	**0.90**	**1P-20**	11		12		—	—	2.40	
COPIER	**0.36**	**—**	**—**	**1P-20**	13		14	3P-30	1.44	—	—	EXISTING SOAKER SINK*
RM 3226 CHEF REC	**—**	**0.72**	**—**	**1P-20**	15		16		—	1.44	—	
RM 3219 DIETETICS REC	**—**	**—**	**0.90**	**1P-20**	17		18		—	—	1.44	
RM 3219 DIETETICS REC	**0.90**	**—**	**—**	**1P-20**	19		20	**3P-20**	**0.89**	**—**	**—**	**RTU-3-1**
RM 3217 OFFICE REC	**—**	**0.54**	**—**	**1P-20**	21		22		**—**	**0.89**	**—**	
RM 3217 OFFICE REC	**—**	**—**	**0.72**	**1P-20**	23		24		**—**	**—**	**0.89**	
RM 3217 OFFICE REC	**0.72**	**—**	**—**	**1P-20**	25		26	**2P-20**	**2.64**	**—**	**—**	**WALK-IN COOLER PRODUCE RM 3233**
RM 3216, 3218 OFFICE REC	**—**	**0.72**	**—**	**1P-20**	27		28		**—**	**2.64**	**—**	
RM 3216 OFFICE REC	**—**	**—**	**0.72**	**1P-20**	29		30	**1P-20**	**—**	**—**	**0.36**	**COOLER SERVICE RECEPTACLE**
OFFICE LIGHTS	1.25	—	—	1P-20	31		32	**1P-20**	**0.20**	**—**	**—**	**FREEZER HEAT TRACE (GFI)**
ADO	—	0.18	—	1P-20	33		34	**1P-20**	**—**	**1.59**	**—**	**P-3-1**
CATV CABINET	—	—	0.18	1P-20	35		36	1P-20	—	—	0.00	SPARE
SPARE	0.00	—	—	1P-20	37		38	1P-20	0.00	—	—	SPARE
SPARE	—	0.00	—	1P-20	39		40	1P-20	—	0.00	—	SPARE
SPARE	—	—	0.00	1P-20	41		42	1P-20	—	—	0.00	SPARE
SUB TOTAL	4.31	3.60	4.14						9.01	10.40	6.53	SUB TOTAL
									13.32	14.00	10.67	TOTAL

C/B TEMP. 75 C. RATING 120 208 V 3 PH 4 WIRE
MOUNTING SURFACE
ISOLATED GROUND BUS ___ YES X NO
MAIN CIRCUIT BREAKER ___ YES X NO
SERVICE ENTR. RATED ___ YES X NO
MINIMUM AIC (K AMPS) 22
MCB RATING MLO
BUS RATING 200A
NEUTRAL RATING 100%

LOAD TYPE		CONNECTED KVA A	B	C	NEC DEM FACTOR	DEMAND KVA A	B	C
GENERAL LIGHTING		1.35	0.00	0.00	125%	1.69	0.00	0.00
GENERAL USE RECEPT		2.70	3.42	4.68	<=10 KVA@100% / >10KVA@50%	2.70	3.42	3.96
MOTORS AND EQUIPMENT	LARGEST	2.40	2.40	2.40	125%	3.00	3.00	3.00
	ALL OTHERS	6.40	7.99	3.76	100%	6.40	7.99	3.76
WATER HEATERS		0.00	0.00	0.00	125%	0.00	0.00	0.00
FIX. ELEC. SPACE HEAT		0.00	0.00	0.00	100%	0.00	0.00	0.00
DEDICATED RECEPT		0.00	0.00	0.00	100%	0.00	0.00	0.00
SIGN		0.00	0.00	0.00	125%	0.00	0.00	0.00
TOTAL KVA PER PHASE		12.85	13.81	10.84		13.79	14.41	10.72
TOTAL DEMAND AMPERES PER PHASE						115	120	89
PANEL / FEEDER (TOTAL KVA)								38.92
(TOTAL KVA) X 1000 = TOTAL AMPS VOLTS X 1.732								108

PANEL '1EQ3D4'

* RECONNECT LOAD REMOVED FROM EXISTING PANEL '1EQ3D4' TO NEW BREAKERS. EXTEND CIRCUITS AS REQUIRED FROM OLD LOCATION. 3-10 AWG, 10 AWG EG, 3/4" C.
** RECONNECT LOAD REMOVED FROM EXISTING PANEL '1EQ3D4' TO NEW BREAKERS. EXTEND CIRCUITS AS REQUIRED FROM OLD LOCATION. 3-8 AWG, 8 AWG EG, 3/4" C.
*** REPLACE BREAKER FEEDING DEVICE WITH SHUNT TRIP BREAKER. CONNECT TO SHUNT TRIP CONTROL CIRCUIT SHOWN ON DETAIL 7/E501. RELOCATE BREAKERS AND RECONNECT TO EXISTING WIRING AS NECESSARY TO ACCOMMODATE ADDITIONAL SPACE REQUIRED FOR SHUNT TRIP DEVICE (BID DEFAULT).

REVISIONS			
REVISION NO.	DATE	REMARKS	

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SUSTAINABLE ARCHITECTURE • ENGINEERING

COLORADO REGISTERED PROFESSIONAL ENGINEER 35500 9/26/14

GRAND JUNCTION VAMC
DIETETICS - REPLACEMENT OF REFRIGERATORS AND FREEZERS
Dept. of Veterans Affairs 2121 North Avenue Grand Junction, CO 81501
100% CONSTRUCTION DOCUMENTS

DESIGNED: JKM	DRAWN: EAG
APPROVED: JMB	CHECKED: JAV

CLIENT PROJECT NUMBER: 575-14-100
PROJECT NUMBER: 13.1069
DATE: 09/26/2014

ELECTRICAL SINGLE LINE AND PANEL SCHEDULES
E601