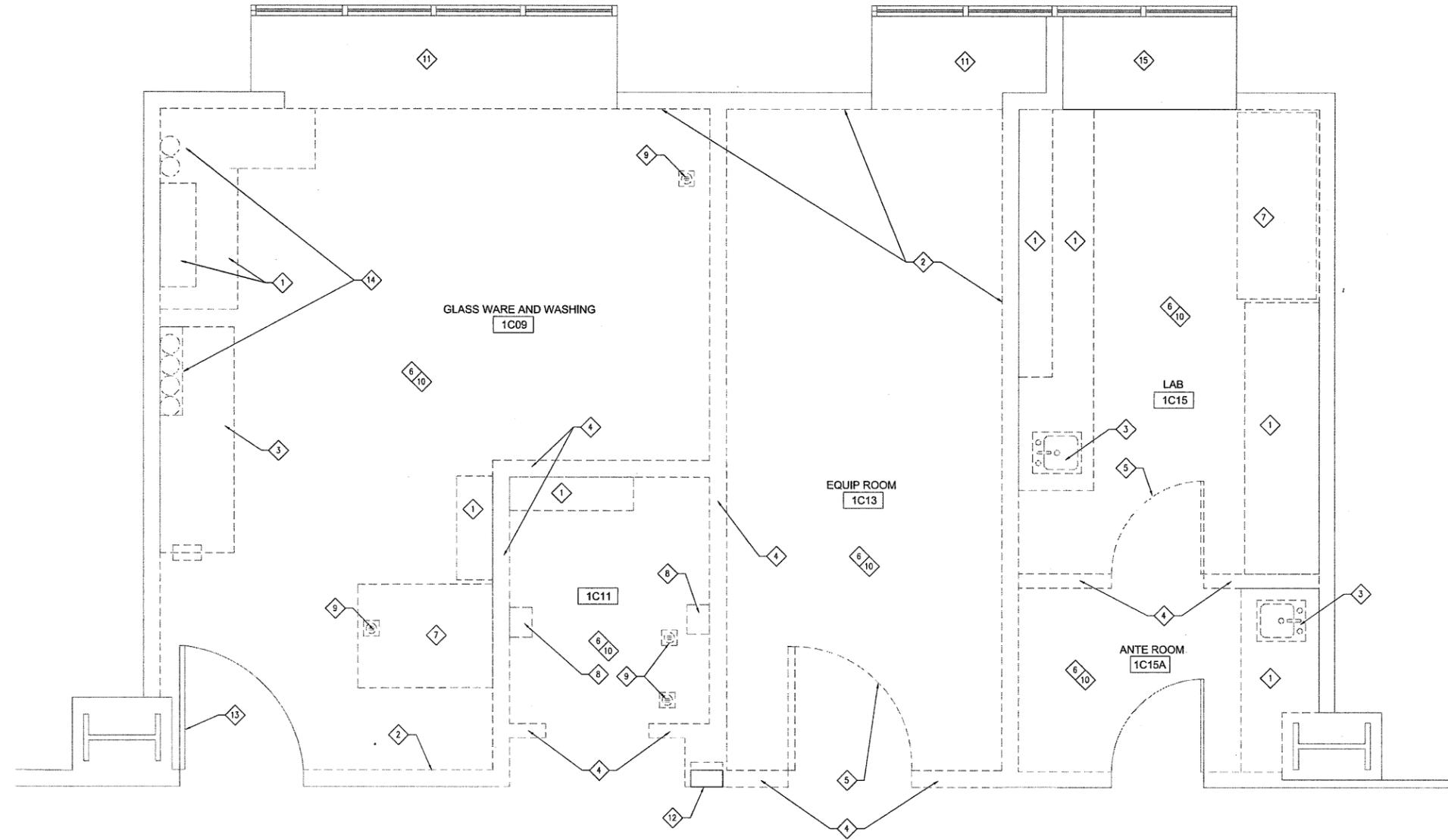
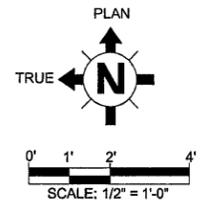
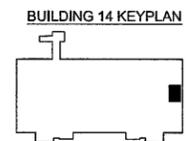


KEY NOTES

1. DEMOLISH CABINET AND COUNTER TOPS.
2. REMOVE GYPSUM BOARD FOR NEW WORK.
3. EXISTING SINK. SEE MECH.
4. DEMOLISH PARTITION WALL COMPLETE.
5. DEMOLISH DOOR, FRAME AND HARDWARE.
6. DEMOLISH ALL FLOOR, WALL, SUSPENDED CEILING AND GYPSUM BOARD CEILING FINISHES COMPLETE.
7. VENT HOOD. SEE MECH.
8. ELECTRICAL DEVICE. SEE ELEC.
9. DRAIN. SEE MECH.
10. FLOOR AND CEILING MAY CONTAIN ASBESTOS. SEE OWNER FOR ASBESTOS REPORT AND MAP.
11. DEMOLISH ARCHITECTURAL SHEET METAL SILL FOR NEW WORK.
12. DEMOLISH FIRE EXTINGUISHER CABINET. SALVAGE EXTINGUISHER FOR REUSE.
13. EXISTING DOOR TO REMAIN.
14. FILTERS. SEE MECH.
15. EXISTING SHEET METAL SILL TO REMAIN.



1 DEMO FLOOR PLAN
AD101 SCALE: 1/2" = 1'-0"



one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

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innovation + experience + heart
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324 S. State St., Suite 400
Salt Lake City, UT 84111
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SEAL:

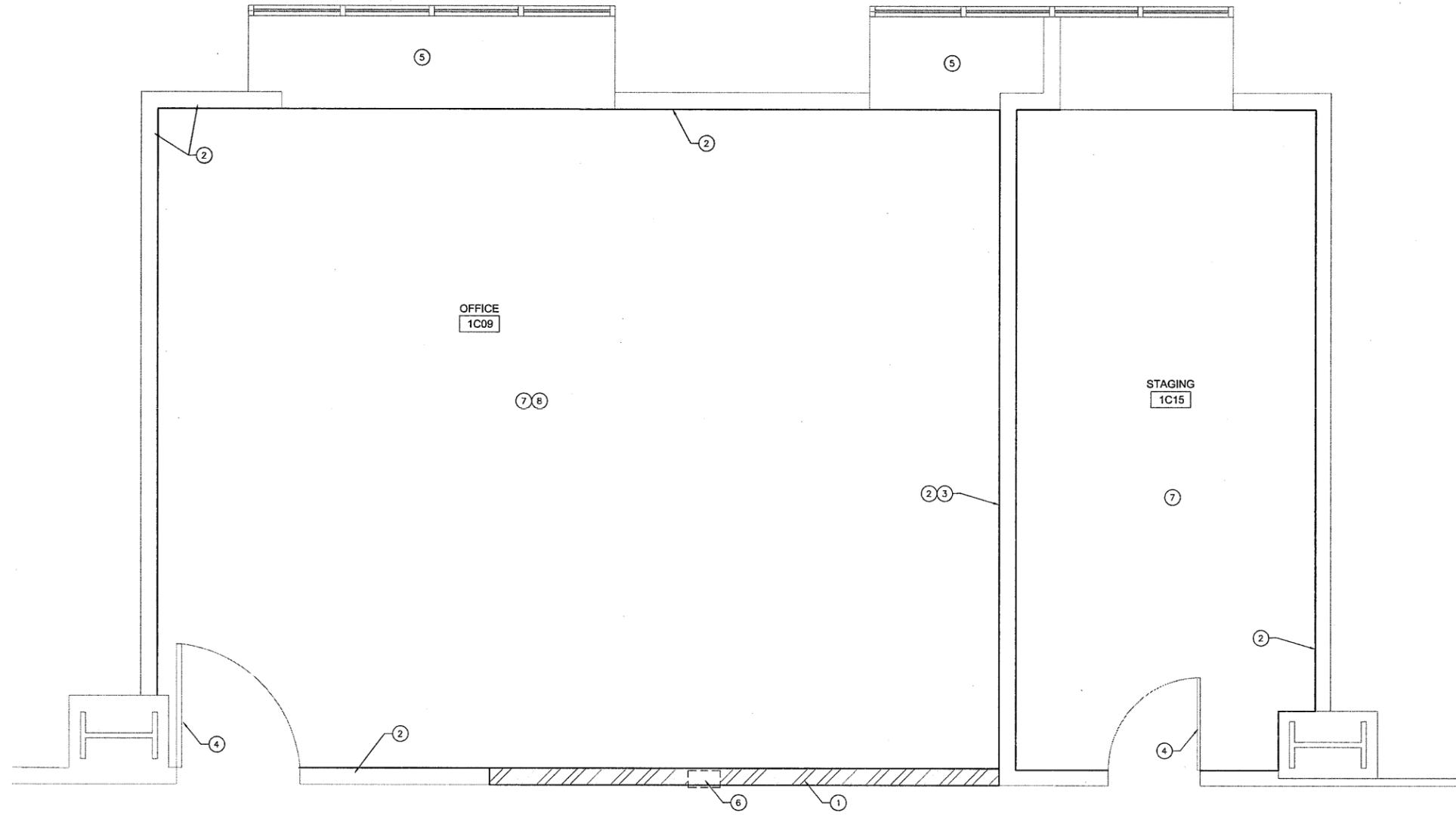
Drawing Title
DEMOLITION FLOOR PLAN

Approved: Project Director

Project Title ORH BONE HEALTH TEAM OFFICE		Project Number VA680-17-11S	
Location SALT LAKE CITY, UTAH		Building Number 14	
Date 07-17-2017	Checked XXX	Drawn XXX	Drawing Number AD101
Dwg. of			

Office of Construction and Facilities Management
Department of Veterans Affairs

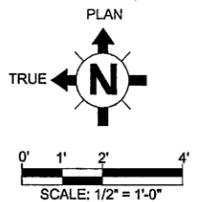
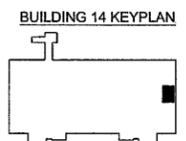
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KEY NOTES

1. 5/8" GYP. BD EA. SIDE OF 3 5/8" STEEL STUD 16" O.C., 20 GA. WITH 3" SOUND ATTENUATION BATT. EXTEND WALL TO STRUCTURAL DECK ABOVE. SOUND CAULK HEAD AND FLOOR TRACK.
2. PATCH AND REPAIR WALL FOR NEW FINISH.
3. INSTALL GYP. BD. ON EXISTING STUDS ABOVE CEILING FOR SOUND ISOLATION.
4. PAINT DOOR AND FRAME.
5. NEW 3/4" SOLID SURFACE WINDOW SILL WITH 1" BULLNOSE EDGE.
6. EXISTING FIRE EXTINGUISHER IN NEW CABINET SIZED TO FIT IN 3 5/8" STEEL STUD WALL, SIMILAR TO A J. INDUSTRIES 1500 SERIES CABINET. MATCH VA STANDARD FOR MATERIAL, TRIM, LETTERING AND LOCKING.
7. PATCH, LEVEL AND PREP FLOOR SLAB FOR NEW FLOORING.
8. REFERENCE OWNER FURNITURE PLAN FOR COORDINATION WITH NEW WORK.

1 NEW FLOOR PLAN
 A101 SCALE: 1/2" = 1'-0"



CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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 17 Exchange Place Salt Lake City, UT 84111
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SEAL:

Drawing Title
 NEW FLOOR PLAN

Approved: Project Director

Project Title
 ORH BONE HEALTH TEAM OFFICE

Location
 SALT LAKE CITY, UTAH

Date
 07-17-2017

Checked
 XXX

Drawn
 XXX

Project Number
 VA660-17-11S

Building Number
 14

Drawing Number
 A101

Dwg. of

Office of
 Construction
 and Facilities
 Management

Department of
 Veterans Affairs

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
VALVES, METERS, AND GAUGES	
	SHUT OFF VALVE
	GATE VALVE
	CHECK VALVE
	AUTO 2-WAY VALVE
	AUTO 3-WAY VALVE
	GLOBE VALVE
	BALL VALVE
	RELIEF VALVE
	CHAIN OPERATED GATE VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
	SOLENOID VALVE
	ANGLE VALVE
	VENTURI
	FLOW SETTER
	EXPANSION VALVE (REFRIG)
	GAS COCK
	MANUAL AIR VENT
	STRAINER
	GAUGE COCK
	FLEXIBLE CONNECTION
	PRESSURE GAUGE
	THERMOMETER
	VICTUALIC COUPLING
	REDUCER CONCENTRIC
	REDUCER ECCENTRIC
	REFRIGERANT SIGHT GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
	90 DEG ELBOW UP
	90 DEG ELBOW DOWN
	90 DEG TEE UP
	90 DEG TEE DOWN
	UNION
	CAPPED PIPE
	ANCHOR
	FLOAT AND THERMOSTATIC TRAP
HVAC SYMBOLS	
	THERMOSTAT
	TEMPERATURE SENSOR
	HUMIDISTAT

SYMBOL LEGEND		
SYMBOL	DESCRIPTION	
DUCT WORK		
SINGLE LINE	DOUBLE LINE	DESCRIPTION
		RECTANGULAR SUPPLY DUCT UP
		RECTANGULAR SUPPLY DUCT DOWN
		RECTANGULAR RETURN DUCT UP
		RECTANGULAR RETURN DUCT DOWN
		RECTANGULAR EXHAUST DUCT UP
		RECTANGULAR EXHAUST DUCT DOWN
		ROUND DUCT UP
		ROUND DUCT DOWN
		ACOUSTICALLY LINED RECTANGULAR DUCT
		90° RECTANGULAR ELBOW WITH TURNING VANES
		90° RADIUS ELBOW R=1/2
		DUCT SIZE OR SHAPE TRANSITION
		OPPOSED BLADE BALANCING DAMPER (O.B.D.) IN RECT DUCT
		BUTTERFLY BALANCING DAMPER IN ROUND DUCTS
		COMBINATION TEE
		SPLITTER DAMPER
		SQUARE OR RECTANGULAR CEILING DIFFUSER
		ROUND CEILING DIFFUSER
		SIDEWALL REGISTER SUPPLY OR RETURN
		RETURN GRILLE
		EXHAUST GRILLE
		FIRE SMOKE DAMPER
		FIRE DAMPER
		SMOKE DAMPER
		FLEXIBLE CONNECTION
		FLEXIBLE CONNECTION
		DUCT TO BE REMOVED

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
REFERENCE LINES AND SYMBOLS	
	DETAIL INDICATOR: # INDICATES DETAIL NUMBER, SHEET INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR, EXTERIOR: # INDICATES ELEVATION OR SECTION NUMBER, SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ELEVATION OR SECTION INDICATOR, INTERIOR: # INDICATES ELEVATION OR SECTION NUMBER, SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	SPACE NUMBER
	KEYNOTE INDICATOR
	REVISION INDICATOR
	EQUIPMENT INDICATOR
	PLUMBING FIXTURE INDICATOR
	DIFFUSER/GRILLE INDICATOR
	DIFFUSER/GRILLE INDICATOR
	BREAK, STRAIGHT
	BREAK, ROUND
	MATCHLINE INDICATOR
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE
	NEW CONNECTION TO EXISTING
	POINT OF DEMOLITION

PIPING LEGEND	
SYMBOL	DESCRIPTION
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
HPS	HIGH PRESSURE STEAM
MPS	MEDIUM PRESSURE STEAM
LPS	LOW PRESSURE STEAM
HPC	HIGH PRESSURE CONDENSATE RETURN
MPC	MEDIUM PRESSURE CONDENSATE RETURN
LPC	LOW PRESSURE CONDENSATE RETURN
PC	PUMP DISCHARGE
TWS	TEMPERED WATER SUPPLY
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCCTION
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
DWL	DRAIN LINE
HG	HOT GAS BYPASS
GS	GLYCOL RETURN
GR	GLYCOL SUPPLY
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT

DEFINITIONS	
SYMBOL	DESCRIPTION
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.	
APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS.	
PROVIDE: THE TERM "PROVIDE" MEANS "TO PURCHASE AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	

ABBREVIATIONS	
SYMBOL	DESCRIPTION
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
(E)	EXISTING
PL	PLUMBING
AD	ACCESS DOOR
AR COND	AIR CONDITIONING (N.G.-ED)
APD	AIR PRESSURE DROP
ED	BALANCING DAMPER
HP	HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTU/H	BTU PER HOUR
CFM	CUBIC FEET PER MINUTE
CFM	CUBIC FEET PER MINUTE
CLG	COOLING
COMP	COMPONENT
COND	CONDENSER (N.G., -ATION)
CV	CONTROL VALVE
DB	DRY BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWRC	DOMESTIC HOT WATER REGRIC
DA	DIAMETER
DISCH	DISCHARGE
DP	DEPTH OR DEEP
EA	EXHAUST AIR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
EG	ETHYLENE GLYCOL
ELEC	ELECTRIC
ELV	ELEVATION
ENT	ENTERING
EVAP	EVAPORATIVE (N.G., ED., OR)
EXT	ENTERING WATER TEMPERATURE
EXT	EXTERNAL
F	FAHRENHEIT
FC	FLEXIBLE CONNECTION (OR, -ION)
FD	FIRE DAMPER
FLA	FULL LOAD AMP
FP	FEET PER INCH
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
FT	FEET
GAL	GALLON(S)
GE	GREASE EXHAUST
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HG	MERCURY
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HTG	HEATING
Hz	HERTZ (FREQUENCY)
ID	INSIDE DIAMETER
IN	INCH
KL	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LG	LENGTH
LH	LATENT HEAT
LRA	LOCKED ROTOR AMPS
LWG	LEAVING WATER TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MFR	MANUFACTURER (ED)
MIN	MINIMUM
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NCR	NONE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
OE	OUTSIDE
PD	PRESSURE DROP OR DIFFERENCE
PG	PROPYLENE GLYCOL
PH	PHASE
PPM	PARTS PER MILLION
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
R	THERMAL RESISTANCE
RA	RETURN AIR
REGRIC	REGRICULATE
RFR	REFRIGERATION
REQD	REQUIRED
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SC	SHADING COEFFICIENT
SCPM	STANDARD CUBIC FEET PER MINUTE
SCW	SOFT COLD WATER
SF	SAFETY FACTOR
SH	SENSIBLE HEAT
SL	SEA LEVEL
SP	STATIC PRESSURE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
SW	SOL. WASTE
TA(R)	TRANSFER AIR (RETURN)
TA(S)	TRANSFER AIR (SUPPLY)
TD	TEMP. DROP OR DIFF.
TEMP	TEMPERATURE
THRM	THERMAL
TGT	TOTAL
TSTAT	THERMOSTAT
V	VOLT
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY TEMPERATURE
VEL	VELOCITY
VENT	VENT, VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
WB	WET BULB TEMP
WC	WATER COLUMN
WG	WATER GAUGE
WPD	WATER PRESSURE DROP
WT	WEIGHT
WTR	WATER
YR	YEAR

MECHANICAL GENERAL NOTES

- THE MECHANICAL DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT & EXTENT OF THE MECHANICAL SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWING, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE SUCH OFFSET ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE & OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT.
- MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES OR MATERIAL, REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER.
- THE DRAWINGS & SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER & SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE & NOT THE OTHER BEING PREFERRED & INSTALLED AS THOUGH SHOWN & CALLED OUT IN BOTH.
- THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODES, PLUMBING CODES, ELECTRICAL CODES & ALL OTHER APPLICABLE CITY, COUNTY, STATE, & FEDERAL CODES & REGULATIONS IN EFFECT.
- THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO ANY CODES, RULES, REGULATIONS & REQUIREMENTS OF THE BUILDING OWNER.
- PRIOR TO FABRICATION & INSTALLATION OF ANY MECHANICAL COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES Hired DIRECTLY BY THE OWNER, WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
- THE SPACE ABOVE ALL CEILING IS LIMITED, CAREFUL COORDINATION IS REQUIRED WITH ALL TRADES BEFORE ANY PIPE, DUCT, OR EQUIPMENT IS ORDERED & OR INSTALLED. ANY CONFLICTS FOUND DURING INSTALLATION THAT RESULTS FROM THE LACK OF COORDINATION BY THE CONTRACTOR DURING THE SHOP DRAWING PROCESS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL MECHANICAL INFORMATION IS NOT SHOWN ON THE MECHANICAL DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW A USE, WHERE APPROPRIATE, ALL THE MECHANICAL DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYS. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE STRUCTURE SHOWN ON ALL DETAILS MAY OR MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUILDING. COORDINATE ALL LOCATING REQUIREMENTS WITH ARCHITECTURAL & STRUCTURAL DRAWINGS.
- ANY PART OF THE MECHANICAL INSTALLATION THAT FAILS, IS LIMITED, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS & GRILLES.
- CONTRACTOR SHALL OPERATE THE SYSTEM & DEMONSTRATE ALL ASPECTS OF THE SYSTEM TO THE ENGINEER AND/OR OWNER TO PROVE ALL SYSTEMS ARE OPERATIONAL.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A SET OF AS-BUILT REFINED RECORD DRAWING AT THE PROJECT SITE. ALL CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, & ACCESSORIES SHALL BE RECORDED. THESE REQUIRED DRAWINGS SHALL BE GIVEN TO THE ARCHITECT/ENGINEER AFTER THE FINAL INSPECTION IN ACCORDANCE WITH SPECIFICATIONS.

GENERAL EQUIPMENT NOTES

- ALL CAPACITIES ARE AT JOB SITE CONDITIONS & ARE MINIMUM CAPACITY.
- ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED TO CONFORM WITH LOCAL SEISMIC REQUIREMENTS & THE REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS.
- VERIFY ALL REQUIRED SERVICE CONNECTIONS, INCLUDING ELECTRICAL CHARACTERISTICS FOR ALL EQUIPMENT PRIOR TO ORDERING EQUIPMENT.
- ALL EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURAL MEMBERS.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
- ALL SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER.
- AIR INLETS & OUTLETS SHALL BE OF THE SAME MANUFACTURER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HVAC EQUIPMENT CHECK-OUT, SAFETYKEEPING, & DAMAGE.

MECHANICAL SHEET INDEX	
ME001	MECHANICAL COVER SHEET
ME002	MECHANICAL DETAILS
ME003	MECHANICAL SCHEDULES
ME004	MECHANICAL DEMOLITION PLAN
ME005	MECHANICAL PLAN

CONSULTANTS: 		ARCHITECT / ENGINEERS: SPECTRUM ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077, 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com		SEAL: RYAN B. O'QUINN LICENSE NO. 8572328 STATE OF UTAH		Drawing Title: MECHANICAL COVER SHEET		Project Title: ORH BONE HEALTH TEAM		Project Number: 660-17-11S		Office of Construction and Facilities Management Department of Veterans Affairs	
Approved: Project Director		Location: SALT LAKE CITY, UTAH		Building Number: 14		Date: 06-06-2017		Checked: RHB		Drawing Number: ME001		Drawn: DXV	

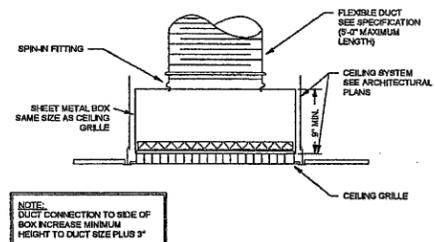
CONSTRUCTION DOCUMENTS

1 2 3 4 5 6 7 8 9

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A
B
C
D
E
F

CONSTRUCTION DOCUMENTS



NOTE:
 DUCT CONNECTION TO SIDE OF
 BOX INCREASE MINIMUM
 HEIGHT TO DUCT SIZE PLUS 3"

1 CEILING INLET GRILLE
 SCALE: NTS

Revisions:	CONSULTANTS:	ARCHITECT / ENGINEERS:	SEAL:	Drawing Title	Project Title	Project Number	Office of Construction and Facilities Management
				MECHANICAL DETAILS	ORH BONE HEALTH TEAM	660-17-11S	
		SPECTRUM ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-878-7077, 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com	PROFESSIONAL ENGINEER 7-19-17 RYAN BOGGAARD NO. 4622328 STATE OF UTAH	Approved: Project Director	Location	Building Number	Department of Veterans Affairs
					SALT LAKE CITY, UTAH	14	
					Date	Drawing Number	
					06-06-2017	ME501	
					Checked	Drawn	
					RHB	DXV	
						Dep. of #	

1 2 3 4 5 6 7 8 9

REGISTER - GRILLE- DIFFUSER SCHEDULE											
LABEL	TYPE	BLOW PATTERN	MAX AIR FLOW (CFM)	FACE SIZE	NECK SIZE	NC	PRESSURE DROP (in-wg)	THROW	MANUFACTURER	MODEL	REMARKS
D-1	CEILING DIFFUSER	4-WAY	350	24X24	8" DIA.	30	0.142	5-13-10	KRUEGER	1480	1,2,3
D-2	CEILING DIFFUSER	4-WAY	650	24X24	12" DIA.	30	0.125	5-13-10	KRUEGER	1480	1,2,3
R-1	CEILING RETURN GRILLE	--	1800	24X24	20X20	30	0.125	--	KRUEGER	880P	1,2,3
R-2	CEILING RETURN GRILLE	--	1200	24X12	18X10	30	0.200	--	KRUEGER	880P	1,2,3

1. PROVIDE TRANSITION AS NECESSARY.
2. FACTORY WHITE FINISH.
3. ACCEPTABLE MANUFACTURERS: PRICE, KRUEGER, TITUS, OR PRIOR APPROVED EQUAL.



CONSTRUCTION DOCUMENTS

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">Revisions:</td><td style="width: 50%;">Date:</td></tr> <tr><td> </td><td> </td></tr> </table>	Revisions:	Date:																					CONSULTANTS: 	ARCHITECT / ENGINEERS: <div style="text-align: center;">  SPECTRUM ENGINEERS <small>324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077, 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com</small> </div>	SEAL: <div style="text-align: center;">  </div>	Drawing Title MECHANICAL SCHEDULES Approved: Project Director	Project Title ORH BONE HEALTH TEAM Location SALT LAKE CITY, UTAH Date: 06-06-2017 Checked: RHB Drawn: DXV	Project Number 660-17-11S Building Number 14 Drawing Number ME601 Dep. of #	Office of Construction and Facilities Management  Department of Veterans Affairs
Revisions:	Date:																												

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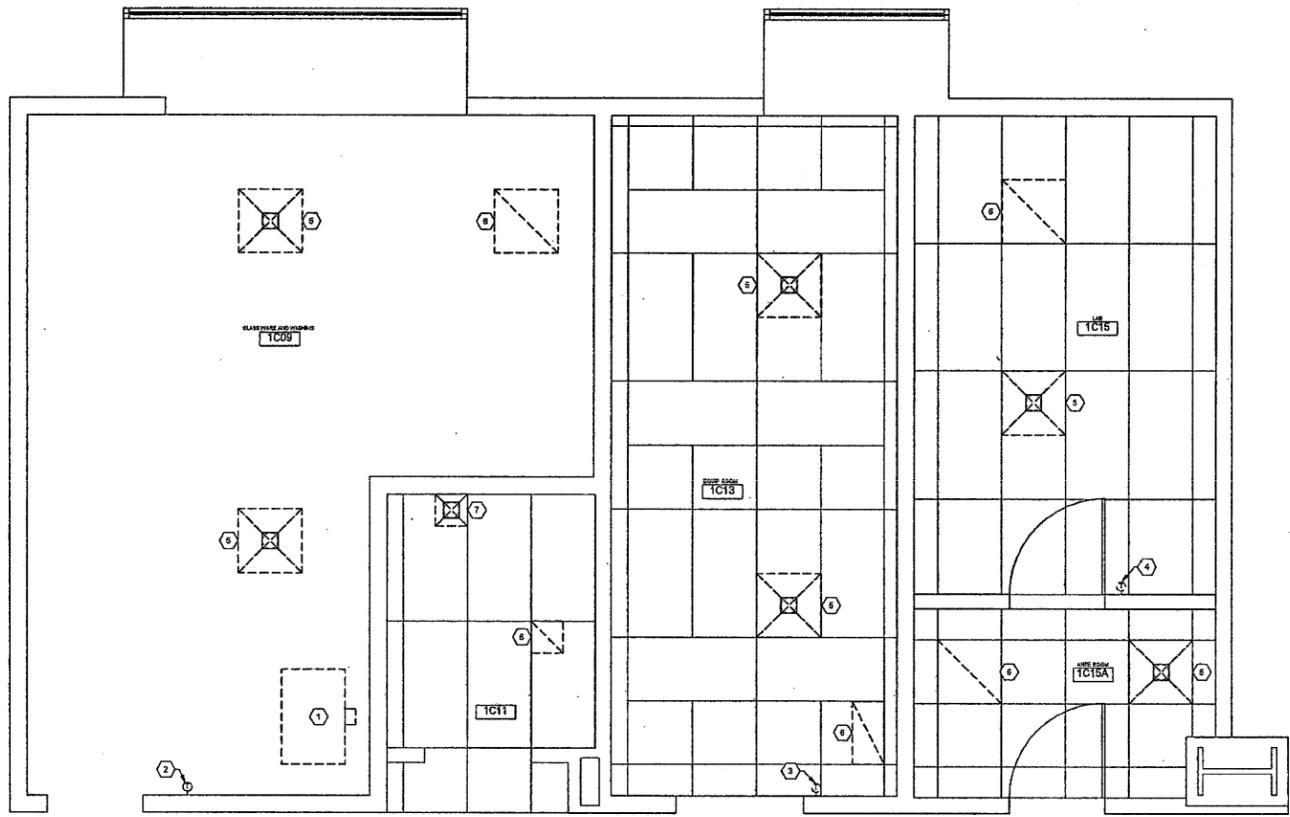
GENERAL SHEET NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION.

SHEET KEYNOTES

- 1 REMOVE EXISTING VENT HOOD AND SALVAGE TO OWNER. REMOVE EXISTING EXHAUST DUCTWORK BACK TO NEAREST BRANCH OR MAN AND CAP EXISTING END.
- 2 EXISTING THERMOSTAT TO REMAIN. PROTECT DURING CONSTRUCTION.
- 3 REMOVE EXISTING THERMOSTAT. MAINTAIN AND PROTECT EXISTING PNEUMATIC TUBING FOR EXTENSION AND RECONNECTION REMAINING EXISTING THERMOSTAT UNDER NEW WORK.
- 4 REMOVE EXISTING THERMOSTAT. RETAIN FOR REUSE UNDER NEW WORK. MAINTAIN AND PROTECT EXISTING PNEUMATIC TUBING FOR EXTENSION AND RECONNECTION UNDER NEW WORK.
- 5 REMOVE EXISTING SUPPLY DIFFUSER. CLEAN AND MAINTAIN FOR REINSTALLATION UNDER NEW WORK. MAINTAIN AND PROTECT EXISTING SUPPLY DUCTWORK FOR EXTENSION AND RECONNECTION UNDER NEW WORK.
- 6 REMOVE EXISTING RETURN GRILLE. CLEAN AND MAINTAIN FOR REINSTALLATION UNDER NEW WORK.
- 7 REMOVE EXISTING DIFFUSER. REMOVE EXISTING SUPPLY DUCT BACK TO NEAREST BRANCH OR MAN AND CAP EXISTING END.
- 8 REMOVE EXISTING RETURN GRILLE.

A
 one inch = one foot
 B
 one and one half inches = one foot
 C
 one inch = one foot
 D
 three quarters inch = one foot
 E
 one half inch = one foot
 F
 three eighths inch = one foot
 G
 one quarter inch = one foot
 H
 one eighth inch = one foot



1 MECHANICAL DEMOLITION PLAN
SCALE: 1/2" = 1'-0"

CONSTRUCTION DOCUMENTS

	CONSULTANTS: 	ARCHITECT / ENGINEERS: <div style="text-align: center;">  SPECTRUM ENGINEERS <small>324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077, 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com</small> </div>	SEAL: <div style="text-align: center;">  </div>	Drawing Title MECHANICAL DEMOLITION PLAN Approved: Project Director	Project Title ORH BONE HEALTH TEAM Location SALT LAKE CITY, UTAH Date 06-06-2017	Project Number 690-17-11S Building Number 14 Drawing Number MD101 Dep. of #	Office of Construction and Facilities Management 
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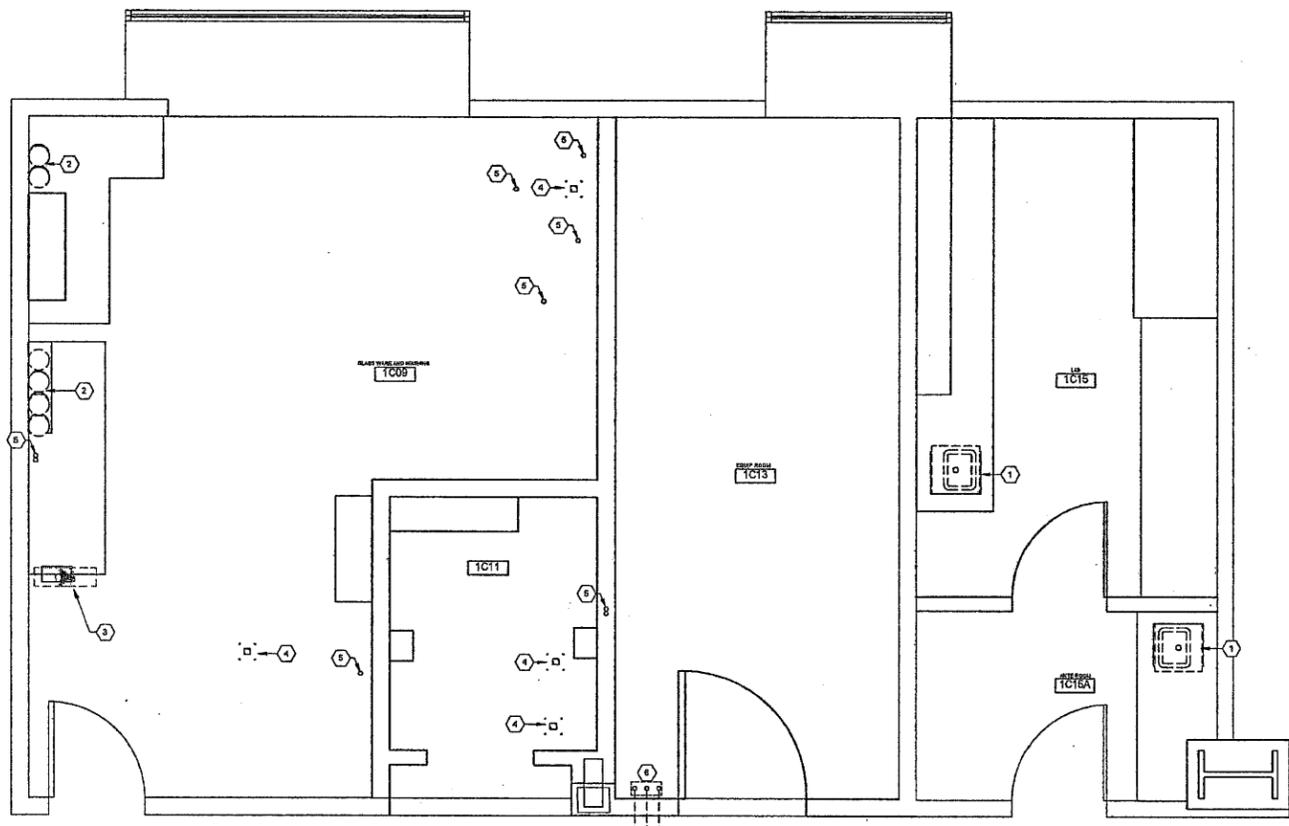
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GENERAL SHEET NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION.

○ SHEET KEYNOTES

- 1 REMOVE EXISTING SINK AND ALL ASSOCIATED WATER AND WASTE PIPING AND ACCESSORIES. REMOVE EXISTING WATER AND WASTE PIPING BACK TO MAINS AND CAP EXISTING ENDS.
- 2 REMOVE EXISTING WATER FILTERS AND ALL ASSOCIATED ACCESSORIES. SALVAGE TO OWNER.
- 3 REMOVE EXISTING CIRCULATION PUMP AND ALL ASSOCIATED PIPING AND ACCESSORIES BACK TO MAIN. CAP EXISTING ENDS.
- 4 REMOVE EXISTING DRAIN, FILL WITH CONCRETE, CAP, AND COVER DRAIN.
- 5 REMOVE DOMESTIC WATER PIPING BACK TO MAIN. CAP EXISTING END.
- 6 REMOVE EXISTING MIXING VALVE. MAINTAIN FOR REINSTALLATION UNDER NEW WORK. REMOVE ASSOCIATED UPSTREAM PIPING BACK TO NEAREST BRANCH OR MAIN. REMOVE EXISTING DOWNSTREAM PIPING BACK TO HALL.



1 PLUMBING DEMOLITION PLAN
SCALE: 1/2" = 1'-0"

A One inches = one foot
 B one and one half inches = one foot
 C one inch = one foot
 D three quarters inch = one foot
 E one half inch = one foot
 F three eighths inch = one foot
 G one eighth inch = one foot
 H one quarter inch = one foot
 I one eighth inch = one foot

CONSTRUCTION DOCUMENTS

CONSULTANTS: 	ARCHITECT / ENGINEERS: SPECTRUM ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077, 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com	SEAL: 	Drawing Title PLUMBING DEMOLITION PLAN	Project Title ORH BONE HEALTH TEAM	Project Number 660-17-11S	Office of Construction and Facilities Management
			Approved Project Director	Location SALT LAKE CITY, UTAH	Building Number 14	
Date 06-06-2017	Checked RHB	Drawn DXV	Drawing Number PD101		Dept. of VA	

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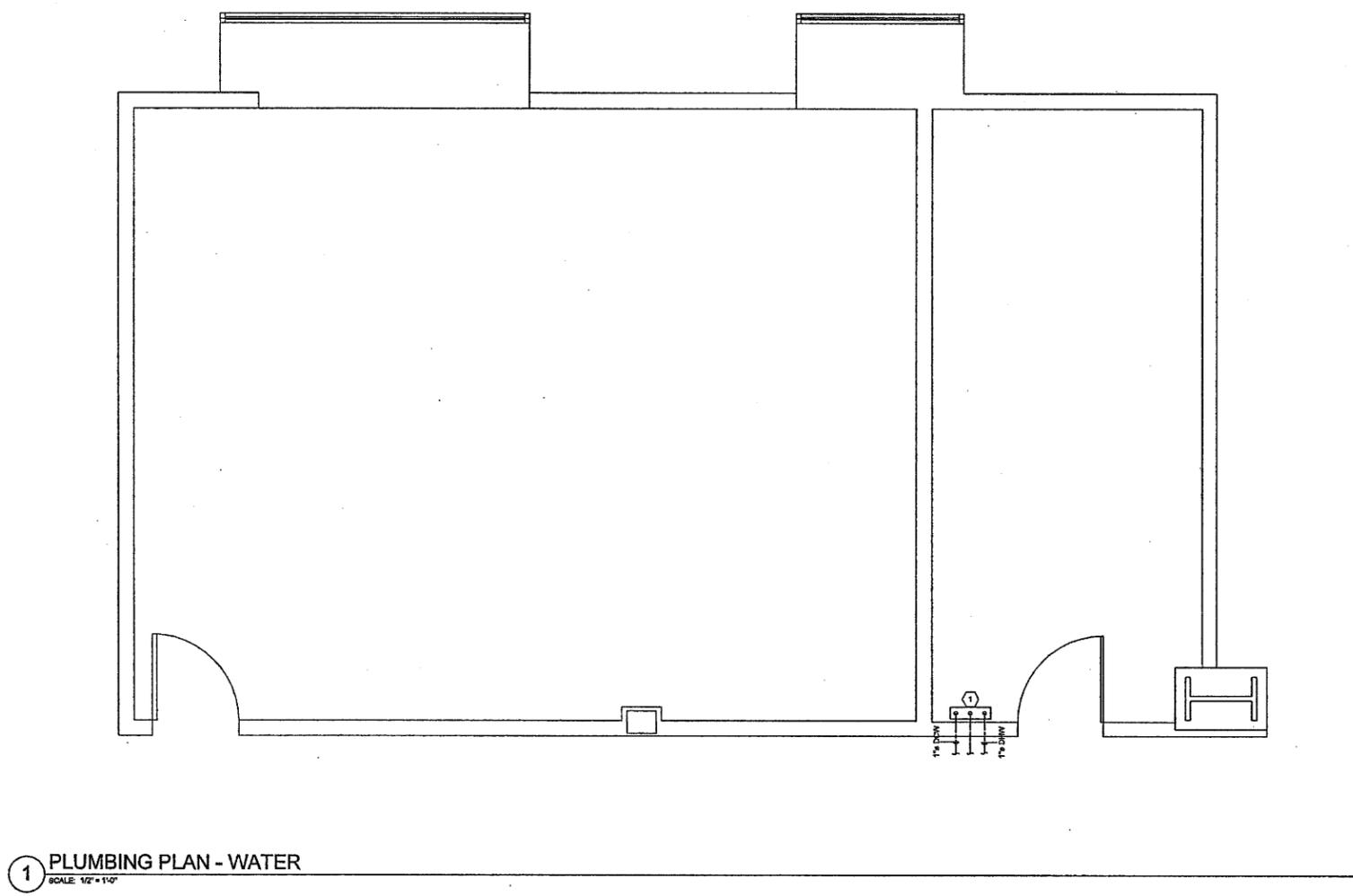
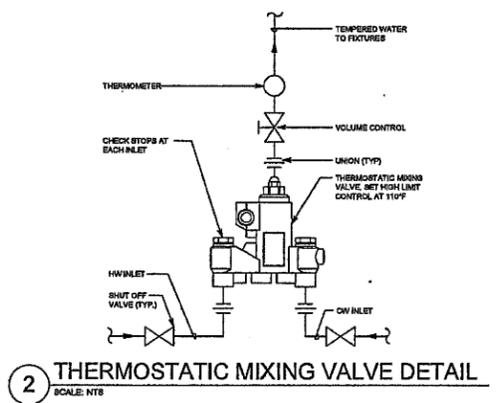
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GENERAL SHEET NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION.

SHEET KEYNOTES

1 REINSTALL EXISTING MIXING VALVE ON WALL. EXTEND NEW 1" DOMESTIC HOT AND COLD WATER LINES FROM NEAREST MAIN AND CONNECT. EXTEND NEW TEMPERED WATER LINE FROM MIXING VALVE TO COOLING WATER LINE IN HALL (MAINTAINED FROM DEMOLITION) AND RECONNECT. MATCH EXISTING SIZE.



A
one inch = one foot
 B
one and one half inches = one foot
 C
one inch = one foot
 D
three quarters inch = one foot
 E
one half inch = one foot
 F
one eighth inch = one foot
 G
one eighth inch = one foot
 H
one quarter inch = one foot
 I
one eighth inch = one foot
 J
one eighth inch = one foot
 K
one eighth inch = one foot
 L
one eighth inch = one foot
 M
one eighth inch = one foot
 N
one eighth inch = one foot
 O
one eighth inch = one foot
 P
one eighth inch = one foot
 Q
one eighth inch = one foot
 R
one eighth inch = one foot
 S
one eighth inch = one foot
 T
one eighth inch = one foot
 U
one eighth inch = one foot
 V
one eighth inch = one foot
 W
one eighth inch = one foot
 X
one eighth inch = one foot
 Y
one eighth inch = one foot
 Z
one eighth inch = one foot

CONSTRUCTION DOCUMENTS

Revisions: Date:	CONSULTANTS:	ARCHITECT / ENGINEERS: SPECTRUM ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077, 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com	SEAL: 	Drawing Title LEVEL 1 PLUMBING PLAN	Project Title ORH BONE HEALTH TEAM	Project Number 660-17-11S Building Number 14	Office of Construction and Facilities Management Department of Veterans Affairs
	Location SALT LAKE CITY, UTAH	Drawing Number PL101 Dwg. of #	Approved: Project Director	Date 06-06-2017	Checked RHB	Drawn DXV	

1 2 3 4 5 6 7 8 9

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot
 one eighth inch = one foot

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3)	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3)	EXIT SIGN: SINGLE FACE, CEILING MOUNTED
(W-3)	EXIT SIGN: SINGLE FACE, WALL MOUNTED
(W-3)	EXIT SIGN: DOUBLE FACE, CEILING MOUNTED
(W-3)	EXIT SIGN: DOUBLE FACE, WALL MOUNTED
LIGHTING CONTROL	
*	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNIDIRECTIONAL, CEILING
*	VACANCY SENSOR, DUAL TECHNOLOGY, OMNIDIRECTIONAL, CEILING
STRUCTURED CABLING	
▽	OUTLET, DATA COMMUNICATION (*X INDICATES QUANTITY OF CABLES)
▽	OUTLET, BUILDING STANDARD COMBINATION TELEPHONE/ DATA COMMUNICATION
▽	TELEPHONE TERMINAL BOARD, FIRE TREATED PLYWOOD PAINTED
STRUCTURED CABLING IHC	
▽	IHC COMMUNICATIONS DEVICE (2 DATA)
▽	IHC COMMUNICATIONS DEVICE (3 DATA)
▽	IHC COMMUNICATIONS DEVICE (4 DATA)
▽	IHC COMMUNICATIONS DEVICE (8 DATA)
▽	IHC COMMUNICATIONS DEVICE WIRELESS ACCESS POINT (2 DATA)
ELECTRICAL POWER AND DISTRIBUTION	
(Symbol)	DISCONNECT, FUSED (ONE-LINE DIAGRAM)
(Symbol)	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM)
(Symbol)	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM)
(Symbol)	TRANSFORMER (ONE-LINE DIAGRAM)
(Symbol)	PANLEBOARD (ONE-LINE DIAGRAM)
REFERENCE AND LINE SYMBOLS	
(Symbol)	DETAIL INDICATOR: AS INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
(Symbol)	ELEVATION OR SECTION INDICATOR, EXTERIOR: AS INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
(Symbol)	ELEVATION OR SECTION INDICATOR, INTERIOR: AS INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
(Symbol)	ROOM NAME
(Symbol)	KEYNOTE INDICATOR
(Symbol)	REVISION INDICATOR
(Symbol)	EQUIPMENT INDICATOR
(Symbol)	MECHANICAL EQUIPMENT INDICATOR: "X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO, REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
(Symbol)	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
(Symbol)	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
(Symbol)	EXISTING TO REMAIN LINE: THIN LINE
(Symbol)	DEMOLITION LINE: DASHED, MEDIUM LINE
(Symbol)	PROPERTY LINE: DASHED, WIDE LINE
(Symbol)	CONTRACT LIMIT LINE: DASH-DOT, WIDE LINE
(Symbol)	KITCHEN EQUIPMENT INDICATOR: "X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XKP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO, REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.

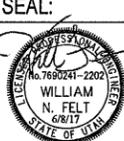
SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
WIRING DEVICES	
(Symbol)	RECEPTACLE, DUPLEX, NEMA 5-20R
(Symbol)	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R
(Symbol)	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R
(Symbol)	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R
(Symbol)	RECEPTACLE, DUPLEX, WEATHERPROOF: NEMA 5-20R
(Symbol)	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R
(Symbol)	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R
(Symbol)	RECEPTACLE, QUADRUPLEX: NEMA 5-20R
(Symbol)	RECEPTACLE, SPECIAL PURPOSE, PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG
(Symbol)	RECEPTACLE, DRYER: NEMA 14-30R
(Symbol)	RECEPTACLE, RANGE: NEMA 14-60R
(Symbol)	FLUSH FLOOR BOX, 1" SHOWN ON DRAWINGS, REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
(Symbol)	SWITCH, DIMMER
(Symbol)	SWITCH, SINGLE POLE (*X INDICATES FIXTURES CONTROLLED)
(Symbol)	SWITCH, DOUBLE POLE (*X INDICATES FIXTURES CONTROLLED)
(Symbol)	SWITCH, THREE-WAY (*X INDICATES FIXTURES CONTROLLED)
(Symbol)	SWITCH, FOUR-WAY (*X INDICATES FIXTURES CONTROLLED)
WIRING METHODS	
(Symbol)	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS, LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. LINE #10 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
(Symbol)	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE
(Symbol)	JUNCTION BOX
(Symbol)	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION
(Symbol)	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION
(Symbol)	JUNCTION BOX, CEILING
(Symbol)	MECHANICAL EQUIPMENT CONNECTION, REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS
ELECTRICAL POWER AND DISTRIBUTION	
(Symbol)	DISCONNECT SWITCH, FUSED
(Symbol)	DISCONNECT SWITCH, UNFUSED
(Symbol)	STARTER, COMBINATION WITH DISCONNECT SWITCH
(Symbol)	STARTER OR MOTOR CONTROLLER
(Symbol)	PANLEBOARD CABINET, FLUSH MOUNTED
(Symbol)	PANLEBOARD CABINET, SURFACE MOUNTED, 1 SECTION
(Symbol)	PANLEBOARD CABINET, SURFACE MOUNTED, 2 SECTION
(Symbol)	LIGHTING CONTROL STATION
(Symbol)	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS, WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED. IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.	
APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS".	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS.	
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	
TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC.	

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
1P	SINGLE POLE
1PH	SINGLE-PHASE
1W	ONE-WAY
2C	TWO-CONDUCTOR
2W	TWO-WAY
3C	THREE-CONDUCTOR
3W	THREE-WAY
4OUT	QUADRUPLE RECEPTACLE OUTLET
4PST	FOUR-POLE DOUBLE THROW
4PST	FOUR-POLE SINGLE THROW
4W	FOUR-WIRE
4WAY	FOUR-WAY
A	ABOVE COUNTER
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFO	ABOVE FINISHED GRADE
AC	ACROSS INTERRUPTING CAPACITY
ALUM	ALUMINUM
AMP	AMPERE
ANN	ANNUNCIATOR
AP	ACCESS POINT (WIRELESS DATA)
AR	AS REQUIRED
ASC	AMPS SHORT CIRCUIT
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAGE
BB	BUCK-BOOST TRANSFORMER
XBMR	C
C	CEILING MOUNTED
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT
CCTV	CLOSED CIRCUIT TELEVISION
CFKI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFPI	CONTRACTOR FURNISHED OWNER INSTALLED
CFPA	CUSTOM FINISH AS SELECTED BY ARCHITECT
CM	CIRCUIT
CM	CONSTRUCTION MANAGER
CND	CONDUIT
CO	CONVENIENCE OUTLET
CCR	CONTRACTING OFFICERS REPRESENTATIVE
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CJ	COPPER
CU	UNIT OF SOUND LEVEL
DPST	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF EQUIPMENT
EK	EXISTING
F	FURNITURE MOUNTED
FA	FIRE ALARM
FOP	FIRE ALARM CONTROL PANEL
FIA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
FOS	FREIGHT ON BOARD
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
G	GROUND
GEN	GENERATOR
GFCI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION HEAVY DUTY
HD	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HI	HIGH VOLTAGE
HZ	HERTZ
IO	INPUT/OUTPUT
IO	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IMS	INSULATED ISOLATED
IR	INFRA-RED
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KWAR	KILOVOLT AMPERE REACTIVE
KWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LPS	LOW PRESSURE SODIUM
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTION
MCP	MAIN DISTRIBUTION PANEL
MGR	MOTOR GENERATOR
MH	MANHOLE
MN	MINIMUM
NLO	NOT IN CONTRACT
NOCP	MAXIMUM OVERCURRENT PROTECTION
HA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
ON	ON CENTER
OCP	OVER CURRENT PROTECTION
OFPI	OWNER FURNISHED CONTRACTOR INSTALLED
OFPA	OWNER FURNISHED OWNER INSTALLED
OPF	OVERHEAD (COLING) DOOR
OL	OVERLOAD
PL	PULL BOX
PH	PHASE
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PZ	PAN/TILT/ZOOM
QTY	QUANTITY
R	REMOVE
RCP	REFLECTED CEILING PLAN
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETAL CONDUIT
RPM	REVOLUTIONS PER MINUTE
RR	REMOVE AND RELOCATE
SS	START STOP
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
SF	SQUARE FOOT FEET
SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
SPD	SURGE PROTECTIVE DEVICE
SPST	SINGLE POLE, SINGLE THROW
ST	SINGLE THROW
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TELEPHONE POLE
TP	TWISTED PAIR
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UF	UNDER FLOOR
UGND	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
D	WITH
WD	WITHOUT
WP	WEATHERPROOF
XBMR	TRANSFORMER

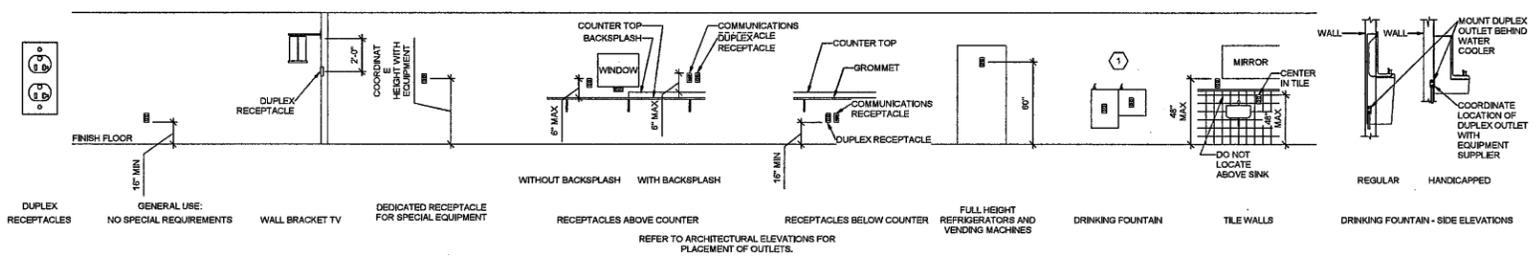
ELECTRICAL SHEET INDEX	
EE001	SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
EE001	TYPICAL MOUNTING HEIGHT DETAILS
ED001	ELECTRICAL DEMOLITION PLAN
EP001	POWER PLAN
EP002	BUILDING POWER PLAN
EL001	LIGHTING PLAN
EL001	LIGHTING FIXTURE SCHEDULE

GENERAL ELECTRICAL NOTES	
1.	CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBERS, DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIES AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC., SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
2.	OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
A.	THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
B.	THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
C.	THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
3.	EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
4.	SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGH-LIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
5.	REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
6.	ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AIA.

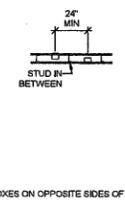
CONSULTANTS: 		ARCHITECT / ENGINEERS:  324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077, 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com		SEAL:  WILLIAM N. FELT 6/8/17 STATE OF UTAH	Drawing Title SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES Approved: Project Director	Project Title ORH BONE HEALTH TEAM Location SALT LAKE CITY, UTAH Date 6/8/2017 Checked WNF Drawn JWW	Project Number 660-17-11S Building Number 14 Drawing Number EE001 Dwg. of ##	Office of Construction and Facilities Management 
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CONSTRUCTION DOCUMENTS

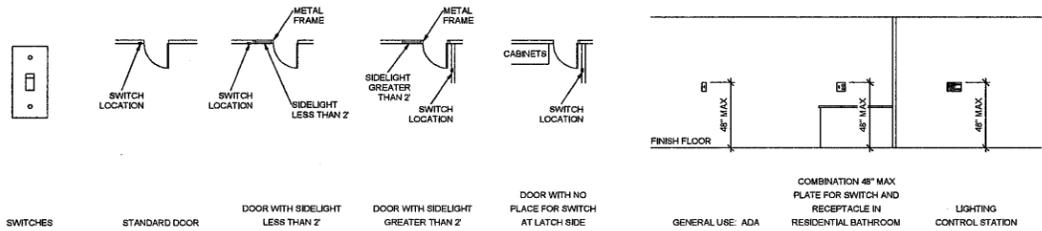
B1 RECEPTACLE MOUNTING DETAILS
SCALE: NTS



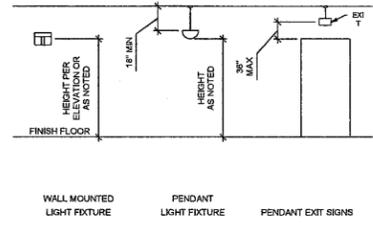
C1 BOX MOUNTING DETAILS
SCALE: NTS



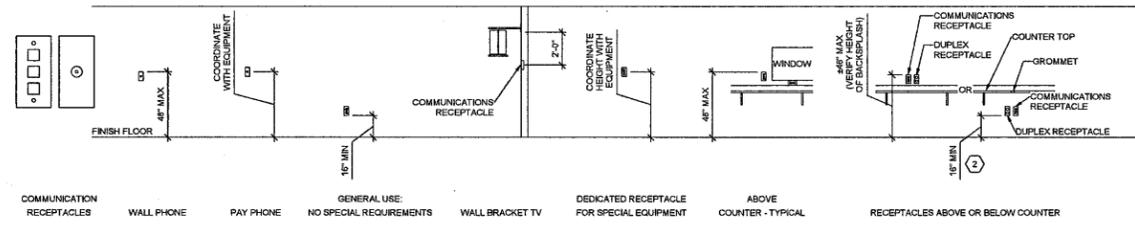
C3 SWITCH MOUNTING DETAILS
SCALE: NTS



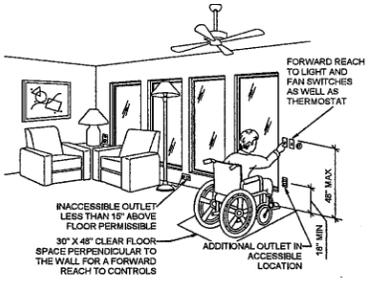
E1 LIGHTING MOUNTING DETAILS
SCALE: NTS



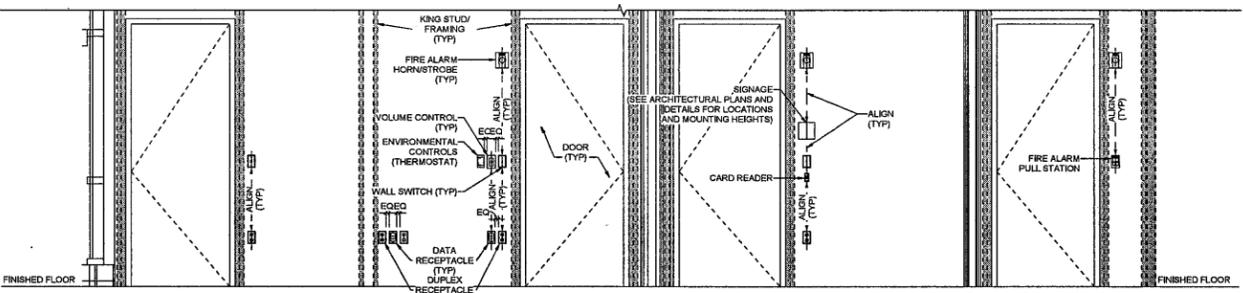
E3 COMMUNICATIONS MOUNTING DETAILS
SCALE: NTS



F1 ADA DETAIL
SCALE: NTS



F3 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL
SCALE: NTS



GENERAL SHEET NOTES

1. DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
 - 1- ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).
 - 2- EQUIPMENT SHOP DRAWINGS.
 - 3- FIELD INSTRUCTIONS.
2. LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
3. MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.
4. MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
5. SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
6. LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
7. VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
8. LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.
9. WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.

SHEET KEYNOTES

1. LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
3. LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY 5 PERPENDICULAR TO BEAM OR JOIST DIRECTION) FOR OTHER CONDITIONS, REFER TO NFPA 72.
4. LOCATE DETECTOR ANYWHERE IN SHADED AREA BUT NOT IN TOP 4" OF PEAK.
5. LOCATE AT BOTTOM OF BEAMS IF $DH < 1$ OR $WH < 4$. OTHERWISE, LOCATE IN BEAM POCKET. FOR $D > 4$ REDUCE SPACING .33 PERPENDICULAR TO BEAMS.

CONSTRUCTION DOCUMENTS

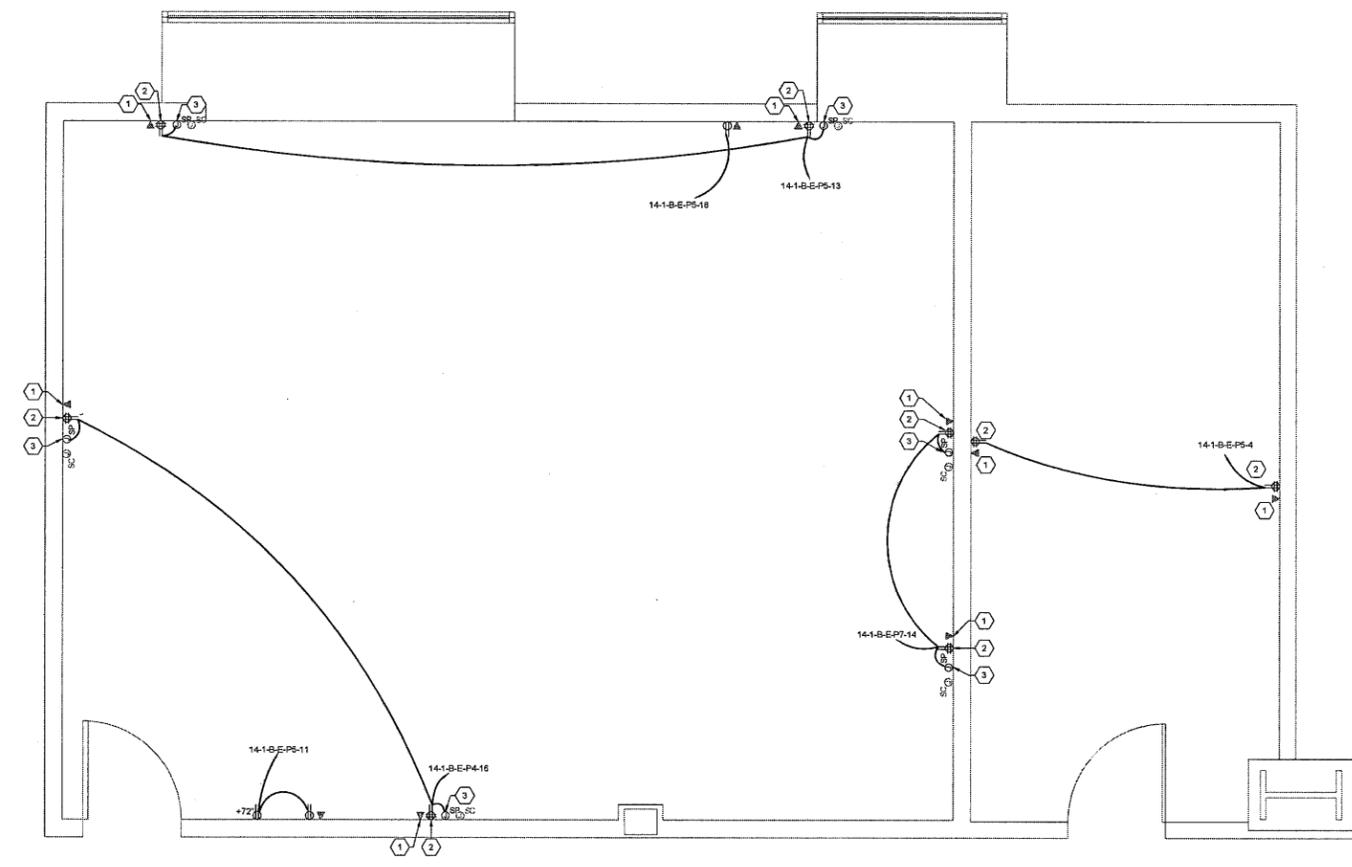
Revisions:	CONSULTANTS:	ARCHITECT / ENGINEERS:	SEAL:	Drawing Title	Project Title	Project Number	Office of Construction and Facilities Management
				TYPICAL MOUNTING HEIGHT DETAILS	ORH BONE HEALTH TEAM	660-17-11S	
				Approved: Project Director	SALT LAKE CITY, UTAH	Building Number	Department of Veterans Affairs
						14	
						Drawing Number	Dwg. of ##
						EE701	
						Date	
						6/8/2017	
						Checked	
						WNF	
						Drawn	
						JVW	

GENERAL SHEET NOTES

- COORDINATE EXACT LOCATION OF ALL ELECTRICAL DEVICES WITH ARCHITECT/OWNER BEFORE ROUGH-IN.
- REUSE EXISTING POWER CIRCUITS, EXISTING PANEL "14-1-B-E-P5", "14-1-B-E-P4", "14-1-B-E-P7" IS LOCATED IN BUILDING 14, ELECTRICAL ROOM 1B27 & 1B28.
- VERIFY ALL EXISTING CONDITIONS, INCLUDING PANEL LOCATION AND ACCESSIBILITY.
- COORDINATE EXACT LOCATIONS AND POWER REQUIREMENTS WITH SYSTEMS FURNITURE & OWNER BEFORE ROUGH-IN.

SHEET KEYNOTES

- DATA JACK TO INCLUDE NEW 2"x4" J-BOX AND NEW CONDUIT TO ABOVE CEILING FOR TELECOMMUNICATIONS WIRING. TERMINATE THREE CABLES, RED, WHITE AND BLUE TO COVER SUPPLIED BY THE VA. VERIFY WITH VA CATS OR CATS, AND EXACT COMMUNICATIONS ROOM LOCATION.
- NEW RECEPTACLE TO INCLUDE 4"x4" J-BOX AND CONDUIT ABOVE FOR POWER.
- INSTALL TWO NEW 2"x4" J-BOX AND CONDUIT IN WALL FOR MODULAR OFFICE PARTITION POWER AND DATA.



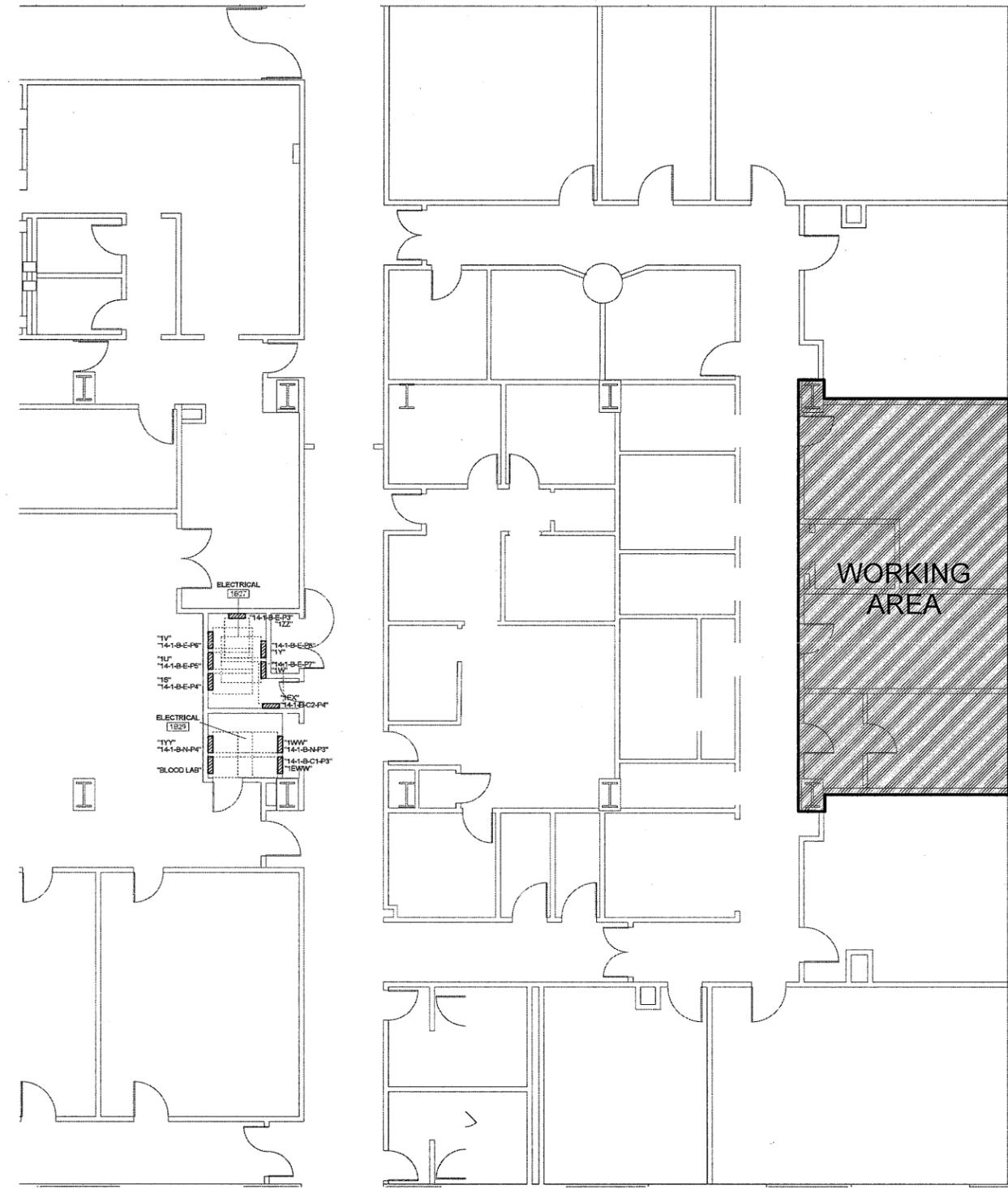
F3 LEVEL 1 POWER PLAN
SCALE: 1/2" = 1'-0"

A three inches = one foot
 B one and one half inches = one foot
 C one inch = one foot
 D three quarters inch = one foot
 E one half inch = one foot
 F three eighths inch = one foot
 G one quarter inch = one foot
 H one eighth inch = one foot

CONSTRUCTION DOCUMENTS

Revisions: _____ Date: _____	CONSULTANTS:	ARCHITECT / ENGINEERS: SPECTRUM ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077, 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com	SEAL: 	Drawing Title: POWER PLAN	Project Title: ORH BONE HEALTH TEAM	Project Number: 660-17-11S	Office of Construction and Facilities Management Department of Veterans Affairs
	Approved: Project Director	Location: SALT LAKE CITY, UTAH	Date: 8/11/2017	Checked: WNF	Drawn: JVW	Building Number: 14	

A Three inches = one foot
 B one and one half inches = one foot
 C one inch = one foot
 D three quarters inch = one foot
 E one half inch = one foot
 F three eighths inch = one foot
 G one quarter inch = one foot
 H one eighth inch = one foot



F3 BUILDING LEVEL 1
SCALE: 3/16" = 1'-0"

GENERAL SHEET NOTES

- 1 COORDINATE EXACT LOCATION OF ALL ELECTRICAL DEVICES WITH ARCHITECT/OWNER BEFORE ROUGH-IN.
- 2 REUSE EXISTING POWER CIRCUITS. EXISTING PANEL "14-1-B-E-P1", "14-1-B-E-P7" IS LOCATED IN BUILDING 14, ELECTRICAL ROOM 1827 & 1829.
- 3 VERIFY ALL EXISTING CONDITIONS, INCLUDING PANEL LOCATION AND ACCESSIBILITY.
- 4 COORDINATE EXACT LOCATIONS AND POWER REQUIREMENTS WITH SYSTEMS FURNITURE & OWNER BEFORE ROUGH-IN.

SHEET KEYNOTES

CONSTRUCTION DOCUMENTS

Revisions:	CONSULTANTS:	ARCHITECT / ENGINEERS:	SEAL:	Drawing Title	Project Title	Project Number	Office of Construction and Facilities Management
	Date:			BUILDING POWER PLAN	ORH BONE HEALTH TEAM	660-17-11S	
		SPECTRUM ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077, 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com		Approved: Project Director	Location	Building Number	Department of Veterans Affairs
					SALT LAKE CITY, UTAH	14	
					Date	Drawing Number	
					6/8/2017	EP102	
					Checked	Dwg. of ##	
					Checker		
					Drawn		
					Author		

LIGHTING FIXTURE SCHEDULE

NOTE TO BIDDERS: COMPLY WITH THE SPECIFICATIONS. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, BALLASTS, AND LAMPS. THE CATALOG NUMBERS LISTED BELOW HAVE BEEN CAREFULLY PREPARED TO ASSIST BIDDERS IN SELECTING PRODUCTS TO ACHIEVE THE DESIGN CONCEPT, HOWEVER, PRIOR TO BIDDING, EACH MANUFACTURER SHALL COMPARE THE CATALOG NUMBERS SHOWN WITH THE DESCRIPTION AND REQUIREMENTS ON THE DRAWINGS, AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES. SPECIFICALLY INCLUDED IN THIS EVALUATION SHALL BE THE VERIFYING OF PROPER MOUNTING HITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS. NO ALLOWANCE OR REDRESS WILL BE ALLOWED FOR DISCREPANCIES THAT WERE NOT REPORTED TO THE ARCHITECT/ENGINEER IN TIME FOR CORRECTION OR CLARIFICATION BEFORE THE BID. THE REPORTING OF ANY AMBIGUITY IS THE RESPONSIBILITY OF THE BIDDER. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER. SUBMITTAL PACKAGE SHALL INCLUDE LAMP MANUFACTURER AND CATALOG NUMBER ON EACH FIXTURE SHEET. ON ALL PENDANT MOUNTED FIXTURES, PROVIDE A SECOND SET OF PENDANTS, OF A DIFFERENT LENGTH, AS DIRECTED BY THE ARCHITECT/ENGINEER, PROVIDED AND INSTALLED AT NO ADDITIONAL CHARGE. ALL FIXTURES SHALL BE APPROVED BY UL OR ANOTHER ACCEPTABLE TESTING LAB FOR THE PURPOSE INTENDED AND WITH THE LAMP AND BALLAST PROPOSED. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMPS OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES. UNIVERSAL VOLTAGE (120/277) BALLASTS REQUIRED UNLESS NOTED OTHERWISE. DIMENSION SEQUENCE = (LENGTH X WIDTH X DEPTH) IN INCHES.

SYMBOL MARK	FIXTURE CHARACTERISTICS BODY / AIR / MOUNTING / DOOR LENS/COVER/REFLECTOR/OTHER	LAMP	WATTS	VOLTS	MANUFACTURER	CATALOG NUMBER	NOTES
A	INDIRECT TROFFERS, RECESSED FOR LAY-IN GRID; HINGED FLUSH STEEL DOOR WITH LATCH; EARTHQUAKE CLIPS, PROGRAM START ELECTRONIC BALLASTS OR OR 0-10V DIMMABLE LED DRIVER; FLUORESCENT LAMPS OR LED LIGHT ENGINE, ONE BALLAST PER FIXTURE UNLESS OTHERWISE INDICATED.	LED	41W	120/277V	METALUX	24EN LED1 43 UNV L835 CD 1	
	2X4, 2-LAMP, ACRYLIC SATINE CENTER DIFFUSER, SEAL BETWEEN DIFFUSER LENS AND HOUSING; MATTE SATIN WHITE FINISH, DIMMABLE 0 - 10 VOLT	3500K			DAYRITE	DL73L 4 UNV DIM	
					AXIS	FAML 22 ACR LL1 L35 LD1 27 01 WH	
						DAYLED 24 B2 4000 35 80 W UNV D 1 TB	
						4,300 LUMENS	

COMcheck Software Version 4.0.6.0 Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: Building 14 Office Space Remodel
 Project Type: Alteration

Construction Site: Salt Lake City, UT
 Owner/Agent:
 Designer/Contractor:

Area Category	A Floor Area (sq ft)	B Allowed Watts / ft ²	C Allowed Watts (B X C)	D Allowed Watts (B X C)
Office	795	0.62	652	652
Total Allowed Watts =			652	

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	A Lamps/ Fixture	B # of Fixtures	C Fixture Watt.	D (A X B)	E (C X D)
Office (795 sq ft) LED 1: A 2X4 LED TROFFER/LED Panel 35W	1	13	31	409	409
Total Proposed Watts =				409	

Interior Lighting PASSES
Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.0.6.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.
 William Felt, PE
 Name - Title: Signature: Date: 05/16/2017

Project Title: Building 14 Office Space Remodel
 Data filename: Untitled.cck
 Report date: 05/16/17
 Page 1 of 5

Vertical scale markers on the left side of the page, including 'A', 'B', 'C', 'D', 'E', 'F' and various inch measurements (e.g., 'three inches = one foot', 'one and one half inches = one foot').

CONSTRUCTION DOCUMENTS

Revisions:	CONSULTANTS:	ARCHITECT / ENGINEERS:	SEAL:	Drawing Title	Project Title	Project Number	Office of Construction and Facilities Management Department of Veterans Affairs
	Date:			LIGHTING FIXTURE SCHEDULE	ORH BONE HEALTH TEAM	660-17-11S	
		SPECTRUM ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077, 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com		Approved: Project Director	Location	Building Number	
					SALT LAKE CITY, UTAH	14	
				Date	Checked	Drawing Number	
				6/8/2017	WNF	JWW	
						EL601	
						Fig. of #	