GENERAL DEMO NOTES - ENLARGED PLAN

DEMO NOTES KEYNOTES APPLY TO SHEETS DAC150-151. ALL KEYNOTES MAY NOT OCCUR ON THIS SHEET AND DO NOT APPLY TO ANY OTHER SHEETS EXCEPT THOSE NOTED.

MAINTAIN FUNCTIONALITY OF EXISTING BUILDING INFRASTRUCTURE AND COORDINATE ANY SERVICE RECONFIGURATION AND SCHEDULE WITH OWNER, SEE MEPFT NOTES/DRAWINGS FOR ADDITIONAL INFO.

EXISTING TO BE DEMOLISHED AREA OUTSIDE OF WORK, THE BOUNDARY FOR THIS DIAGONAL HATCH Has BEEN GRAPHICALLY EXTENDED IN MANY LOCATION WHERE THERE MAY BE PATCH/REPAIR WORK ASSOCIATED WITH NEW WORK INDICATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY THESE AREAS, MINIMIZE WORK AND CONSTRUCTION ACTIVITY IN ADJACENT AREAS, AND NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO WORK IN OCCUPIED SPACES, SEE SPECIFICATIONS.

EXISTING PARTITIONS/STRUCTURE TO REMAIN

LEGEND - CRAFT CENTER DEMO PLAN

CRAFT CENTER ENLARGED DEMO PLAN

CRAFT CENTER DEMO NUMBER DESCRIPTION
1 REMOVE PORTION OF (E) RAISED FLOOR AS SHOWN
2 EXISTING OPENING WITH WINDOW TO INCLUDE EXISTING TANK STORAGE
16 REMOVE ROOFING AND INSULATION MATERIALS. DEMO LIGHTWEIGHT SLOPED TOPPING TO ACCOMMODATE NEW STRUCTURE.

PARTIAL DEMO ELEVATION EAST WALL

PARTIAL DEMO ELEVATION SOUTH WALL

PARTIAL DEMO ELEVATION EAST WALL
LEVEL 2 - SOUTH
471' - 0"

STEEL ANGLE
WIDE FLANGE STEEL BEAM, SEE STRUCTURAL
(E) CONCRETE ROOF SLAB
HOLLOW STEEL SECTION, SEE STRUCTURAL

05 00 00 - BAR GRATING
05 50 00 - OSHA COMPLIANT STEEL GUARD RAIL BEYOND, BIDDER DESIGNED, PAINT
05 50 00 - METAL SHIPS LADDER
05 50 00 - LADDER BRACKET

42" MIN

(E) CONCRETE COLUMN BEYOND
WIDE FLANGE BEAM, SEE STRUCTURAL
(E) CONCRETE FLOOR SLAB
CATWALK BAR GRATING
OSHA APPROVED ACCESS LADDER
OSHA COMPLIANT HANDRAIL, BIDDER DESIGNED

LEVEL 1
453' - 0"

(E) CONCRETE ROOF SLAB
23 00 00 - DUCTWORK, SEE MECHANICAL
07 84 00 - FIRESTOPPING AS REQUIRED
SEE ASSEMBLIES
SEE ASSEMBLIES

STAIR AT ROOF LEVEL DECK
LADDER AT MEZZANINE DECK
CRAFT CENTER MECHANICAL SHAFT 1
CRAFT CENTER MECHANICAL SHAFT 2
LADDER AT MEZZANINE DECK
STAIR AT MEZZANINE DECK
MECHANICAL TO COORDINATE WITH PACKAGE

1. PROVIDE VFDS FOR FANS TO AHU MANUFACTURER FOR FACTORY INSTALLATION. PROVIDE INVERTER-DUTY MOTORS WITH SHAFT GROUNDING DEVICE OR INSULATED BEARINGS.

2. OVERALL SENSIBLE EFFICIENCY IS 57%

3. PROVIDE (2) 120-V GFCI CONVENIENCE RECEPTACLES

4. PROVIDE NEMA PREMIUM EFFICIENCY MOTORS ON ALL FAN S.

5. PROVIDE SMOKE DETECTORS ON THE SUPPLY AND RETURN FOR AUTOMATIC UNIT SHUTDOWN.

6. PROVIDE VIBRATION ISOLATION AND SEISMIC RESTRAINT PER SPECIFICATIONS.

7. PROVIDE MANUAL SPEED CONTROLLER IN ROOM WITH LOW/HIGH SELECTION. COORDINATE LOCATION WITH ARCHITECT.

8. PROVIDE LED INDICATOR LIGHTS ON CANOPY FACE TO INDICATE CANOPY ON/OFF STATUS.

9. PROVIDE VAV TERMINAL UNITS TO CONTROL ZONE HUMIDITY.

10. MANUFACTURER SHALL SIZE CHILLED WATER COIL BASED ON 48-66 WATER CONDITION. CONTRACTOR SHALL WATER BALANCE CHILLED WATER COIL TO SCHEDULED FLOW RATE THAT CORRESPONDS TO 42-60 CHILLED WATER CONDITION.

11. MANUFACTURER SHALL SIZE MAKEUP AIR COIL BASED ON 48-66 AIR TEMPERATURE. CONTRACTOR SHALL WATER BALANCE MAKEUP AIR COIL TO SCHEDULED FLOW RATE THAT CORRESPONDS TO 42-60 AIR TEMPERATURE.

12. MANUFACTURER SHALL SIZE EXHAUST AIR COOLING COIL BASED ON 48-66 AIR TEMPERATURE. CONTRACTOR SHALL Water Balance EXHAUST AIR COOLING COIL TO SCHEDULED FLOW RATE THAT CORRESPONDS TO 42-60 AIR TEMPERATURE.

13. PROVIDE MANUFACTURER’S PRESSURE INDEPENDENT CONTROLLER.

14. PROVIDE PRESSURE獨立 CONTROLLER.

15. CONTRACTOR TO VERIFY LEFT OR RIGHT HAND CONTROLS AS REQUIRED FOR COORDINATION WITH ALL TRADES, STRUCTURE AND EQUIPMENT ACCESS PRIOR TO PURCHASE.

16. PROVIDE MANUFACTURER’S PRESSURE INDEPENDENT CONTROLLER.

17. PROVIDE MANUFACTURER'S PRESSURE INDEPENDENT CONTROLLER.

18. PROVIDE PRESSURE INDEPENDENT CONTROLLER.

19. PROVIDE PRESSURE INDEPENDENT CONTROLLER.

20. PROVIDE PRESSURE INDEPENDENT CONTROLLER.

21. PROVIDE PRESSURE INDEPENDENT CONTROLLER.

22. PROVIDE PRESSURE INDEPENDENT CONTROLLER.

23. PROVIDE PRESSURE INDEPENDENT CONTROLLER.

24. PROVIDE PRESSURE INDEPENDENT CONTROLLER.

25. PROVIDE PRESSURE INDEPENDENT CONTROLLER.

26. PROVIDE PRESSURE INDEPENDENT CONTROLLER.

27. PROVIDE PRESSURE INDEPENDENT CONTROLLER.
### HEATING WATER PARALLEL FAN POWERED TERMINAL UNIT SCHEDULE

<table>
<thead>
<tr>
<th>TAG NO.</th>
<th>MARKER/DATE</th>
<th>LOCATION</th>
<th>EQUIP SERVED</th>
<th>TYPE</th>
<th>CABINET SIZE (L&quot;xW&quot;xH&quot;)</th>
<th>MOTOR POWER (HP)</th>
<th>V/PH</th>
<th>RATED OUTPUT (A)</th>
<th>BYPASS (Y/N)</th>
<th>WEIGHT (LBS)</th>
<th>NOTES</th>
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</thead>
<tbody>
<tr>
<td>UH 1m-1</td>
<td>MCQUAY UHH-33</td>
<td>MECH ROOM</td>
<td>HOT WATER</td>
<td>630</td>
<td>21,000</td>
<td>96</td>
<td>2.5</td>
<td>0.12</td>
<td>3/4&quot;</td>
<td>120/1/60</td>
<td>1/15</td>
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1. **FUSED DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR**
2. **INTEGRAL THERMOSTAT**
3. **SUSPEND UNIT FROM STRUCTURE**

### UNIT HEATER SCHEDULE

<table>
<thead>
<tr>
<th>TAG NO.</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>AREA</th>
<th>SERVED</th>
<th>TYPE</th>
<th>AIRFLOW (CFM)</th>
<th>HEATING CAPACITY (BTU/H)</th>
<th>LAT DB (°F)</th>
<th>FLOW (GPM)</th>
<th>WPD (FT WG)</th>
<th>INLET PIPE DIAMETER (IN)</th>
<th>ELECTRICAL UNIT SIZE (L&quot;xW&quot;xH&quot;)</th>
<th>WEIGHT (LBS)</th>
<th>NOTES</th>
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<tbody>
<tr>
<td>FPB G-1</td>
<td>PRICE FDV-3008</td>
<td>10</td>
<td>700</td>
<td>230</td>
<td>1250</td>
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<td>0.5</td>
<td>120/1</td>
<td>No</td>
<td>42</td>
<td>95</td>
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<td>180</td>
<td>160</td>
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<td>0.5</td>
<td>120/1</td>
<td>No</td>
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<td>120/1</td>
<td>No</td>
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<td>0.5</td>
<td>120/1</td>
<td>No</td>
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<td>0.5</td>
<td>120/1</td>
<td>No</td>
<td>42</td>
<td>95</td>
<td>65</td>
<td>180</td>
<td>160</td>
</tr>
</tbody>
</table>

1. **UNIT TO PROVIDE 100% RECIRCULATED AIR IN UNOCCUPIED HEATING MODE**
2. **AIR PRESSURE DROP THROUGH BOX TO BE NO GREATER THAN 0.25" W.G.**
3. **PROVIDE WITH MINIMUM (2-ROW) COILS**
4. **UNIT VENDOR TO VERIFY COIL SELECTIONS**
5. **MAXIMUM NC-30 DISCHARGE AND RADIATED SOUND LEVELS AT 0.5" STATIC PD. NOISE RATING FOR FAN PLUS 100% PRIMARY AIR AND IN ACCORDANCE WITH ARI STANDARD 880.**
6. **PROVIDE WITH 1" DISPOSABLE FILTERS**
7. **LINING TYPE SHALL BE FIBER-FREE LINER**
8. **PROVIDE WITH SINGLE POINT CONNECTION & TOGGLE DISCONNECT SWITCH**
9. **PROVIDE NEMA 1 CONTROLS ENCLOSURE**
10. **PROVIDE UL CLASS II 24VAC TRANSFORMER**

### VARIABLE FREQUENCY DRIVE SCHEDULE

| UNIT NO. | MARKER/DATE | LOCATION | EQUIP SERVED | TYPE | POWER (HP) | V/PH | RPM | BHP | HP V/PH STANDBY WEIGHT (LBS) NOTES |
|----------|-------------|----------|--------------|------|------------|------|-----|-----|------------|---------------|---------|-------|
| 1/10/2014 | PRICE FDV-3008 | MUA-M-1 RETURN FAN | 12x6x40 | 8.0 | 460/3 | 10.0 | Y | 1/15 | 50 | 1-7 |

1. **PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.**
2. **DRIVES SHALL BE PROVIDED WITH A MAIN INPUT DISCONNECT SWITCH, CLASS J INPUT LINE FUSES FOR MOTORS AS APPROVED BY VFD MANUFACTURER.**
3. **PROVIDE AUXILIARY LOCKABLE DISCONNECT SWITCH WITH ALL REQUIRED INTERLOCK CONTROLS AS REQUIRED TO TURN OFF THE VFD.**
4. **SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.**
5. **PROVIDE VFD WITH LAN PROTOCOL EPROM TO MATCH CONTROL SYSTEM.**
6. **SIZE OF VFD FOR EACH MOTOR IS BASED ON MOTOR FLA VALUES SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CORRECT VFD SIZE WITH MOTOR PROVIDED.**
7. **ALL VARIABLE FREQUENCY DRIVES ON THE PROJECT SHALL BE FROM ABB.**
GENERAL NOTES:
1. DO NOT MAKE MODIFICATIONS TO PROJECT LAYOUTS AND PROFESSIONAL DESIGN AND CONSTRUCTION INFORMATION WITHOUT WRITTEN PERMISSION OF THE ARCHITECT.
2. ALL PACKAGES SUBJECT TO CHANGE; REPORT ON CONTRACTOR.

SHEET NOTES:
1. ALL PVC INSULATION TO BE 6" THICK EXCEPT FOR LAVORATION INSULATION THE BUILDING SHOULD BE INSULATED USING 2" THICK PROPERTIES. THE INSULATION THICKNESS SHOWN IN THE MODELS ARE ONLY FOR REFERENCE.
2. ALL MECHANICAL PLUMBING IS LEADED WITH VACUUM IN THE LINES SHOWN IN THE MODELS.
3. ALL MECHANICAL PLUMBING IS LEADED WITH VACUUM IN THE LINES SHOWN IN THE MODELS.
4. ALL MECHANICAL PLUMBING IS LEADED WITH VACUUM IN THE LINES SHOWN IN THE MODELS.
5. ALL MECHANICAL PLUMBING IS LEADED WITH VACUUM IN THE LINES SHOWN IN THE MODELS.

AREA A

AREA B

CRAFT CENTER - BASEMENT FLOOR PLAN - AREA A

CRAFT CENTER - BASEMENT FLOOR PLAN - AREA B - MECHANICAL

KEY PLAN (NTS)
GENERAL NOTES
1. THESE DRAWINGS AND THEIR CONTENT ARE THE PROPERTY OF SERA ARCHITECTS INC. AND ARE TO BE UTILIZED ON THIS PROJECT. REPRODUCTION OF ANY PART OF THIS MATERIAL, WITHOUT THE EXPRESS WRITTEN PERMISSION OF SERA ARCHITECTS INC., IS PROHIBITED.

2. SHEET NOTES

A. SCOPE REQUIRED DUE TO PROJECT PHASING AND TEMPORARY INSTALLATION NOT INCLUDED.

B. ALL PIPING IS 3/4" UNLESS OTHERWISE NOTED.

SCALE: 3/16" = 1'-0"

A. REFER TO ARCHITECTURAL PLANS FOR LOUVER SIZE. PROVIDE MINIMUM FREE AREA OF 28 SF AT VELOCITY NOT TO EXCEED 650 FPM. PROVIDE A MINIMUM 24" PLENUM BEHIND LOUVER WITH FLEXIBLE CONNECTION TO EQUIPMENT. PLENUM SHALL ENCLOSE STRUCTURE AS REQUIRED. PROVIDE AN AIRTIGHT CONTINUOUS AIR WAY.

B. REFER TO ARCHITECTURAL PLANS FOR LOUVER SIZE. PROVIDE MINIMUM FREE AREA OF 26 SF AT VELOCITY NOT TO EXCEED 650 FPM. PROVIDE A MINIMUM 24" PLENUM BEHIND LOUVER WITH FLEXIBLE CONNECTION TO EQUIPMENT. PLENUM SHALL ENCLOSE STRUCTURE AS REQUIRED. PROVIDE AN AIRTIGHT CONTINUOUS AIR WAY.

C. REFER TO ARCHITECTURAL PLANS FOR LOUVER SIZE. PROVIDE MINIMUM FREE AREA OF 2.0 SF AT VELOCITY NOT TO EXCEED 650 FPM. PROVIDE A MINIMUM 18" PLENUM BEHIND LOUVER WITH FLEXIBLE CONNECTION TO EQUIPMENT. PLENUM SHALL ENCLOSE STRUCTURE AS REQUIRED. PROVIDE AN AIRTIGHT CONTINUOUS AIR WAY. MAINTAIN PLENUM SEPARATION FROM AHU RELIEF AIR WAY.

D. REFER TO PIPING RISER DIAGRAMS FOR PIPE ROUTING. FOR CLARITY, PIPING IS NOT DRAWN TO SCALE IN THIS LOCATION.
1. CERAMICS KILN EXHAUST THROUGH WALL TO OUTDOORS.
2. CERAMICS KILN WITH SELF-POWERED EXHAUST
3. EXISTING DUST COLLECTOR TO BE RELOCATED TO NEW LOCATION. REFER TO PLANS.
4. LOUVER PROVIDED BY ARCHITECTURE. REFER TO MECHANICAL PLANS FOR REQUIRED AREA.
5. PENTHOUSE LOUVER
6. WOODSHOP DUST COLLECTION CONNECTION WITH BLAST GATE.
7. WOODSHOP DUST COLLECTOR SUPPLY AIR THROUGH EXISTING DUST COLLECTION FILTERS.
1. ALL PIPING IS 3/4" UNLESS NOTED OTHERWISE
2. REFER TO FLOOR PLANS FOR TERMINAL UNIT BRANCH PIPING SIZES TO CRAFT CENTER TERMINAL UNIT HOT WATER COILS

CHILLED WATER SYSTEM SCHEMATIC FLOW DIAGRAM

HEATING WATER SYSTEM SCHEMATIC FLOW DIAGRAM

SCALE: 1/8" = 1'-0"
<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
<th>Lamp</th>
<th>Ballast</th>
<th>Finish</th>
<th>Remarks</th>
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<tr>
<td>L-4</td>
<td>Pendant Mounted Linear (2)</td>
<td>F28T8 XL Advance</td>
<td>white</td>
<td>Craft Center Package</td>
<td></td>
</tr>
<tr>
<td>L-3</td>
<td>Fluorescent strip (2 lamp Chain mount)</td>
<td>(2)</td>
<td>F28T8 XL Advance</td>
<td>white</td>
<td>Craft Center Package, Main</td>
</tr>
<tr>
<td>L-2</td>
<td>Recessed Indirect (2)</td>
<td>F28T8 XL Advance</td>
<td>white</td>
<td>Craft Center Package</td>
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<tr>
<td>L-1</td>
<td>Pendant Mounted Direct - Fluorescent (3)</td>
<td>F28T8 XL Advance</td>
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<td>Craft Center Package</td>
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<tr>
<td>L-14</td>
<td>Linear Wallwash (2)</td>
<td>F28T8 XL Advance</td>
<td>Aluminum</td>
<td>Craft Center, Renovation and New Construction Package</td>
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<tr>
<td>L-18</td>
<td>Surface Mounted Linear Fluor. Damp Location (2)</td>
<td>F28T8 XL TBD</td>
<td>Craft Center Package</td>
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</tbody>
</table>

GROUND LEVEL:
- 025U Room
- 030A CERAMICS 8'-6" AFF
- 030B OUTDOOR METAL 8'-9" AFF
- 030C OUTDOOR GLASS 11' 10" AFF
- 030D GLAZE ROOM 8'-0" AFF
- 030E GLASS 8'-6" AFF
- 030F PAINTING 8'-6" AFF
- 030G SILKSCREEN 8'-6" AFF
- 030J WOODSHOP 9'-0" AFF
- 030L STORAGE 9'-0" AFF
- 030M OFFICE 8'-6" AFF
- 030N OFFICE 8'-6" AFF
- 030R DARK PHOTOGRAPHY 8'-6" AFF
- 030S VEST. 8'-6" AFF
- 030V FIBERS 8'-0" AFF
- 030U JEWELRY 8'-6" AFF
- 030T LIGHT PHOTOGRAPHY 8'-6" AFF
- 030W TENDERS 8'-0" AFF
- 030X CONVEYOR ROOM 8'-0" AFF
- 030Y PIGEON ROOM 8'-0" AFF
- 030Z SUBWAY 8'-0" AFF

EQUIPMENT CONNECTED TO NORMAL POWER SOURCE FOR CRAFT CENTER PACKAGE PHASE ONLY. EQUIPMENT TO BE REFERED TO MECHANICAL AND PLUMBING PLANS FOR LOCATIONS OF EQUIPMENT.

1. ALL STARTERS AND VFDS BY ELECTRICAL.
2. REFER TO MECHANICAL AND PLUMBING PLANS FOR LOCATIONS OF EQUIPMENT.
3. CONTACTS FOR PRIMARY FUSIBLE ELEMENTS IN凱EL-FUSE PANELS SHALL BE OF THE SAME RATING AS THE DESTINED FOR THE PANEL.

MUA-M 1m-1 MAKE-UP AIR UNIT
- 30 hp
- 91452 VA
- 110 A
- 480 V
- 3 M DP BN1-4C 3 150 A
- 3 150.3M DIV. 26 FUSED

FSD 1 FIRE SMOKE DAMPER
- 0 hp
- 480 VA
- 4 A
- N 120 V
- 1 BN7-2C 12 20 A
- 1 20.1 DIV. 26 NON-FUSED

FPB G-1 FAN-POWERED BOX
- 0.5 hp
- 1176 VA
- 10 A
- M 120 V
- 1 BN7-2C 28 20 A
- 1 20.1 DIV. 26 NON-FUSED

FPB G-2 FAN-POWERED BOX
- 0.5 hp
- 1176 VA
- 10 A
- M 120 V
- 1 BN7-2C 30 20 A
- 1 20.1 DIV. 26 NON-FUSED

FPB G-4 FAN-POWERED BOX
- 0.5 hp
- 1176 VA
- 10 A
- M 120 V
- 1 BN7-2C 34 20 A
- 1 20.1 DIV. 26 NON-FUSED

FPB G-5 FAN-POWERED BOX
- 0.5 hp
- 1176 VA
- 10 A
- M 120 V
- 1 BN7-2C 36 20 A
- 1 20.1 DIV. 26 NON-FUSED

UH 1m-1 UNIT HEATER
- 0 hp
- 120 VA
- 1 A
- M 120 V
- 1 BN7-2C 33 20 A
- 1 20.1 DIV. 26 NON-FUSED

EF 1m-1 EXHAUST FAN
- 0.25 hp
- 696 VA
- 6 A
- M 120 V
- 1 BN7-2C 29 20 A
- 1 20.1 DIV. 26 NON-FUSED

TP 1 TRAP PRIMER
- 0 hp
- 240 VA
- 2 A
- N 120 V
- 1 BN7-2C 14 20 A
- 1 20.1 DIV. 26 NON-FUSED

Hanging Hardware Supports and Power Feeds for AVSM

Lithonia AVSM 232 MDR DLS MVOLT AILP 3500 K
- IOPA#P32-LW-SC
- See drawings for fixture length

Lithonia WP 232 MVOLT AILP 3500 K
- IOPA#P32-LW-SC
- See drawings for fixture length

Cooper Metalux
- DMW 332 MVOLT GEB10IS WLF DMW/VRISMB 3500 K
- IOPA#P32-LW-SC
- See drawings for fixture length

Cooper Metalux
- C 2 32 MVOLT AILP HC WGCUN NST with HC Chain Hanger
- 3500 K
- IOPA#P32-LW-SC
- Provide fixture with wire guard
1/10/2014 11:12:30 AM

**GENERAL NOTES**

1. PROVIDE CIRCULATION LIGHTING ADJACENT TO TUFTED WALL.
2. PROVIDE CIRCULATION LIGHTING ADJACENT TO OUTDOOR SPACE.
3. PROVIDE CIRCULATION LIGHTING ADJACENT TO MECHANICAL ROOM.
4. PROVIDE CIRCULATION LIGHTING ADJACENT TO UTILITY ROOM.
5. PROVIDE CIRCULATION LIGHTING ADJACENT TO STOR.
6. PROVIDE CIRCULATION LIGHTING ADJACENT TO FIBERS.
7. PROVIDE CIRCULATION LIGHTING ADJACENT TO ASSOCIATED SPACE.
8. PROVIDE MANUAL ON AND OFF LIGHTING TO CIRCULATION LIGHTING ADJACENT TO MECHANICAL ROOM.
9. PROVIDE MANUAL ON AND OFF LIGHTING TO CIRCULATION LIGHTING ADJACENT TO UTILITY ROOM.
10. LIGHTING AND EQUIPMENT IN THIS AREA TO BE CHECKED BY:
11. PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSOR.
12. PROVIDE TEMPORARY PHOTOCELL TO CONTROL PHOTOGRAPIH DARKROOM.

**SHEET NOTES**

- CIRCUIT 7 FOR THIS PHASE. ALL NORMAL CIRCUIT 5 AND EGRESS LIGHTING TO BN1-4C.
- CONNECTION TO FUTURE EMERGENCY POWER VOLTAGE SWITCH TO CONTROL CIRCULATION 030.
CRAFT CENTER - ENLARGED PLAN - WOOD SHOP - POWER AND SIGNAL

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>LOAD</th>
<th>VOLTS</th>
<th>Phrase</th>
<th>CIRCUITING CONNECTION</th>
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<td>1 CRAFT CENTER - ENLARGED PLAN - WOOD SHOP - POWER AND SIGNAL</td>
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</tbody>
</table>

KEY PLAN (NTS)
## General Notes

1. PROVIDE EMERGENCY GAS SHUT OFF BUTTON. COORDINATE LOCATION AND REQUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION.

2. PROVIDE REMOTE MOUNTED DISCONNECT FOR EQUIPMENT INDICATED. REFER TO DETAIL 3/EC801 & 8/EC801 FOR ADDITIONAL INFORMATION.

3. PROVIDE ACCESS TO EQUIPMENT. REFER TO DETAIL 3/EC801 FOR LOCATION AND REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.

4. PROVIDE WATER STOPPING AT WALLS TO SUPPORT VAPOR BARriers, BARRIER CONVECTION SYSTEMS, AND INTERIOR WALL FRAMES.

5. PROVIDE WATER STOPPING AT WALLS TO SUPPORT VAPOR BARRIERS, BARRIER CONVECTION SYSTEMS, AND INTERIOR WALL FRAMES.

6. PROVIDE ACCESS TO DUCTS AND DUCTS TO MATCH CORD.

7. PROVIDE NEW MATERIALS OR BRIGHTEN ROUTE CHANNEls.

8. PROVIDE ACCESS TO EXISTING LIGHTING FOR EXISTING LIGHTING.

9. PROVIDE ACCESS TO EXISTING LIGHTING FOR EXISTING LIGHTING.

## Sheet Notes

- **Key Plan (NTS)**
- **Comments Name # HP VA FLA**
- **1/4" = 1'-0"**
- **CIRCUITING CONNECTION**

**Electrical Plans - Enlarged**

**Project No.:** 02.13.00545

**Contact:** T. 503.227.5280 F. 503.274.7674

**Engineers for a Sustainable Future**

**PACKAGE 1**

**ERB MEMORIAL UNION - CRAFT CENTER**

**EC504**
<table>
<thead>
<tr>
<th>CKT TRIP POLE</th>
<th>DESCRIPTION</th>
<th>TYPE</th>
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<th>B (kVA)</th>
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**LOAD TYPE CONNECTED DEMAND FACTOR DEMAND/ADJUSTMENT**

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</table>

**Motor 15852 VA 125.00% 19815 VA**

- L = LIGHTING TOTAL CONNECTED LOAD: 80.7 kVA
- 224 A
- BUS RATING: 400 A
- INTEGRAL TVSS:
  - N = NONCONTINUOUS
  - K = KITCHEN SPARE CAPACITY: 25.0%
1. 1/2"CW DN, WITH SOV, EXTEND 3/8"CW TO EACH WET SAW.
2. 1/2"HW, 1/2"CW, 2"SAN DN, 1 1/2"V UP.
3. 3/4"CW DN TO HB-1.
4. 1/2" CA TO OUTLET, PROVIDE REGULATOR & WATER SEPARATOR.
5. 1/2" NATURAL GAS, 1/2"O2 DN TO OUTLET W/SOV.
6. 1" NATURAL GAS, 1"O2 DN TO OUTLETS, EXTEND INDIVIDUAL LINES WITH QUICK DISCONNECTS TO EACH STATION.
7. 1/2"HW, 1/2"CW, 2"SAN DN, 1 1/2"V UP, PROVIDE MIXING VALVE AND TEMP WATER TO EYEWASH.
8. 1"CW DN TO TRAP PRIMER ASSEMBLY.
9. POC 3" VENT TO EXISTING VENT.
10. 3/4" CW TO HB-1.
11. 1/2" NATURAL GAS DN TO OUTLET W/SOV.
12. 2" VENT DOWN.
13. 1/2"HW, 1/2"CW, 2"SAN DN, 2"V UP. PROVIDE 1/2" MIXING VALVE AND EXTEND 1/2"HW, 1/2"CW, 1/2"TW TO SINK.
14. CAP 4" RD FOR FUTURE PACKAGE 2, 3, 4 & 5.
15. CONTRACTOR TO COORDINATE FINAL LAYOUT WITH OFCI EQUIPMENT IN COLLABORATION WITH ARCHITECT.
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Site Clearing and Protection Plan

SCALE 1" = 20'-0"

LEGEND

PROJECT LIMIT
Approximate
EXISTING TREE
Protect to Remain
SALVAGE LIGHT POLE
x
Deliver to UO cobra
head lights
SALVAGE ELEMENT
EXISTING LIGHT POLE
To Remain
DEMO EXISTING HARDSCAPE
Remove existing paving to allow for new improvements. Saw cut edges in paving.
EXISTING TREE TO REMOVE
See Note #3
REMOVE ELEMENT

NOTES
1. All survey information provided by:
Balzhiser Hubbard Engineers
100 West 13th Ave
Eugene, OR 97401
P: (541) 686-8478
F: (541) 345-5303
Contact: Spencer Bugby
Dated: Oct. 20th, 2011

2. See Architectural and Engineering Drawings for additional work.

3. Salvage and return to Owner timber from removed trees which are practical for milling and cut into ten foot segments for milling. For all other plant material chip into mulch, cut into firewood, or dispose of. Coordinate with UO Facilities Services.

4. Cut, cap, or rerooted irrigation lines inspected and vacuumed extraction using "slugs" to ensure existing irrigation system is maintained in operation. Coordinate with UO Facilities Services and Landscape Architect.

Tree Removal Schedule

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<tr>
<th>T1</th>
<th>T2</th>
<th>T3</th>
<th>T4</th>
<th>T5</th>
<th>T6</th>
<th>T7</th>
<th>T8</th>
<th>T9</th>
<th>T10</th>
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<td>Pinus strobus</td>
<td>Eastern White Pine</td>
<td>24&quot;</td>
<td>Big Leaf Maple</td>
<td>36&quot;</td>
<td>Liquidamber styraciflua</td>
<td>American Sweet Gum</td>
<td>14&quot;</td>
<td>Prunus x yedoensis 'Akebono'</td>
<td>Akebono Japanese Flowering Cherry</td>
<td>9&quot;</td>
</tr>
<tr>
<td>Pinus torana</td>
<td>Tigertail Spruce</td>
<td>5&quot;</td>
<td>Littleleaf Linden</td>
<td>Tilia cordata</td>
<td>Bigleaf Linden</td>
<td>Tilia platyphyllos</td>
<td>14&quot;</td>
<td>Prunus x yedoensis 'Akebono'</td>
<td>Akebono Japanese Flowering Cherry</td>
<td>9&quot;</td>
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<tr>
<td>Pinus contorta</td>
<td>Shore Pine</td>
<td>20&quot;</td>
<td>European White Birch</td>
<td>Betula pendula</td>
<td>European White Birch</td>
<td>14&quot;</td>
<td>Acer platanoides</td>
<td>Norway Maple</td>
<td>22&quot;</td>
<td>Acer macrophylla</td>
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</table>

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F: (541) 345-5303
Contact: Spencer Bugby
Dated: Oct. 20th, 2011

2. Verify exact locations and routing of existing
underground utilities prior to starting excavation.
Repair any damage to existing pipes, utilities or
related facilities at Contractor's expense in a
manner approved by Owner's Representative.

3. In addition to improvements shown, repair all
areas disturbed or damaged by construction
impacts to the condition that existed prior to
Construction.

4. All accessible components including, but not
limited to signs, ramps, tactile warning, markings,
etc. shall conform to all Oregon State Standards
for parking and access for the disabled.

5. Cut, cap, or reconnect irrigation lines (mainlines
and laterals) encountered during Work to ensure
existing irrigation system maintains in operation.
Coordinate with UO Facilities Services and
Landscape Architect.

---

**CONCRETE PAVING**

- Reinforced Profile
  - 6" thick with reinforcement over 8" base
- Pedestrian Profile
  - 4" thick over 6" base

**AC PAVING REPAIR**

Refer to Civil

**PLANT BED REPAIR**

Install 3 inches of Bark Mulch over disturbed
areas impacted by construction. See Note #5.

**LAWN REPAIR**

Install Soil Material as specified and based on
the following preferences:
1. Install salvaged Topsoil material from
excavated areas as approved by
Landscape Architect.
2. Screen or process salvaged Topsoil as
required by Landscape Architect to be
suitable for re-use.
3. Use Imported Soil Material.

---

**HANDRAIL**

- Material: 1-1/2" OD galvanized steel tube rail
- Anchor: Core drill and grout

---

**SEGMENTAL RETAINING WALL**

Anchor Diamond Concrete Retaining
Wall Units by Willamette Graystone, or
similar. Install following manufacturer's
installation instructions.

---

**CATCH BASIN**

See Civil

---

**AREA DRAIN**

Bar Out

---

**RESIDENTIAL RETAINING WALL**

Aerobic Concrete Retaining Wall
Armor - Conventional Concrete Retaining
Wall System or equivalent. Specify finish material.
Install following manufacturer's
callout materials instructions.

---

**HANDBRACE**

Material: 1-1/2"x15 gauge stainless steel box
anchor. Care and anchoring.

---

**NOTES**

1. Separate existing items and regular
materials by Old/New Projects.
2. Optional fill/leveling cut
3. Base or pavement required
4. Separate cut and fill
5. Use Imported Soil Material.
6. Separate Curb and Sod
7. Additional per manufacturer's
8.发明 your own.
9. Cut, cap, or reconnect irrigation lines (mainlines
and laterals) encountered during Work to ensure
existing irrigation system maintains in operation.

---

**LEGEND**

- PRODUCT UNIT
  - Approximate
  - EXISTING TREE
  - Rock
  - CONCRETE PAVER
  - PAVING REPORT
  - PLANT BED REPORT
  - DRAIN REPORT
  - FILL MATERIAL
  - SUBGRADE
  - CRUSHED ROCK
  - DRAIN ROCK
  - MULCH
  - SEGMENTAL RETAINING WALL UNIT
  - SEGMENTAL RETAINING WALL DETAIL
  - SEGMENTAL RETAINING WALL SYSTEM
  - SEGMENTAL RETAINING WALL DETAIL
  - SEGMENTAL RETAINING WALL SYSTEM

---

**ERB MEMORIAL UNION**

**CRAFT CENTER - PACKAGE 1**

**PERMIT / CONSTRUCTION**

11/8/2013 5:54:40 PM

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**SITES PLAN**

**SCALE 1" = 20'-0"**

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**Site Plan**