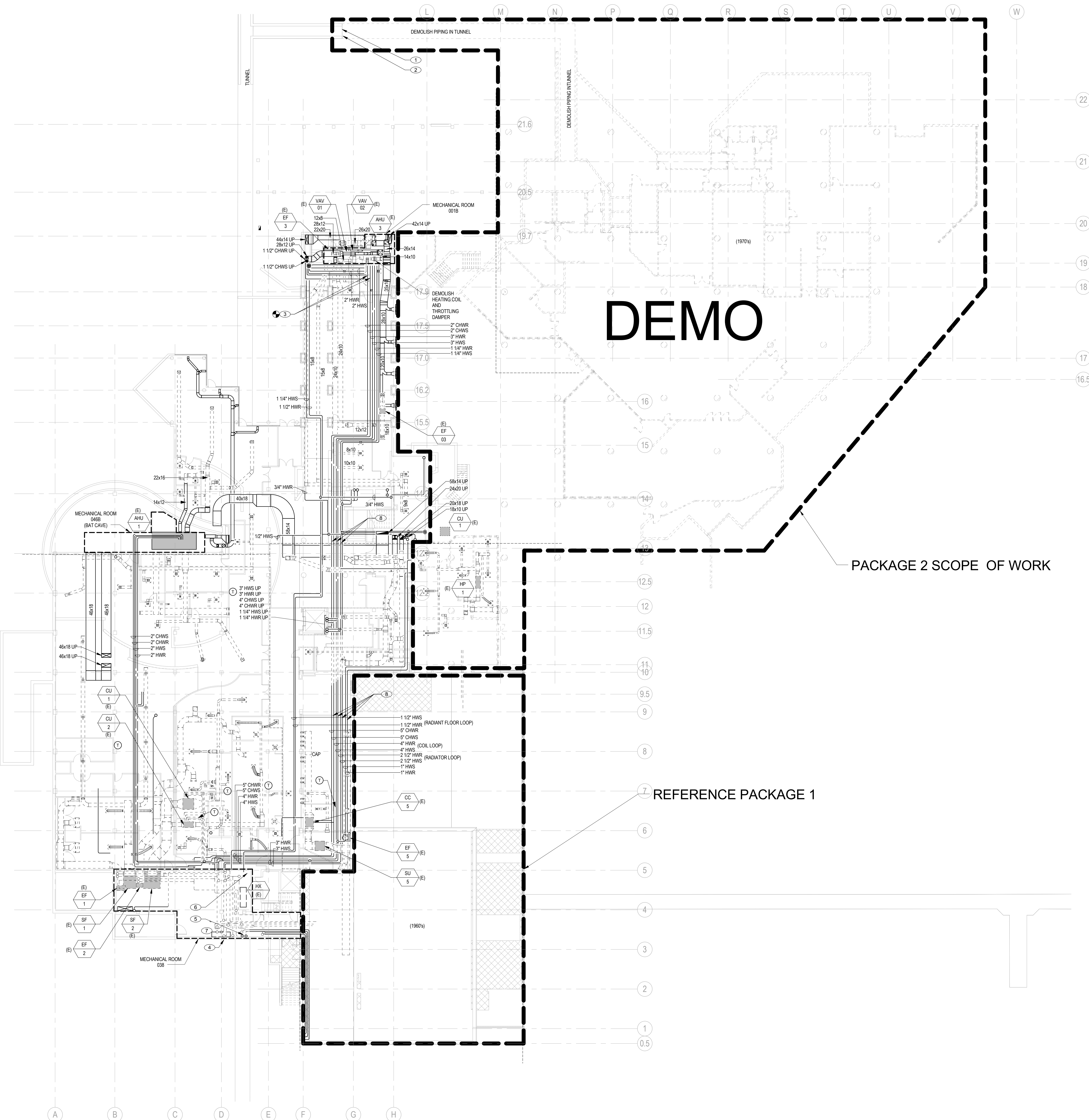


1 DEMO PLAN - GROUND LEVEL FLOOR PLAN - HVAC

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



SHEET NOTES

- A DEMOLITION SCOPE OF EQUIPMENT, DUCTWORK, PIPING, ETC IN EXISTING BUILDING IS SHOWN FOR REFERENCE AND IS DEVELOPED THROUGH REFERENCE OF EXISTING BUILDING AS-BUILT DOCUMENTATION AND SITE WALKS. WHERE PROJECT INVOLVES INTERFACE WITH EXISTING BUILDING AND SITE SYSTEMS, EVERY EFFORT HAS BEEN MADE TO NOTE EXISTING UTILITIES AND SERVICES. HOWEVER, THE CONTRACTOR SHOULD THOROUGHLY FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND BE AWARE THAT IN SOME CASES INFORMATION IS NOT AVAILABLE FOR CONCEALED CONDITIONS, WHICH EXIST IN PORTIONS OF THE EXISTING BUILDING AFFECTED BY THIS WORK. NOTIFY OWNER, ARCHITECT, AND ENGINEER OF EXISTING CONDITIONS DISCOVERED DURING THE DEMOLITION PHASE.
- B THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL INTERIOR DETAILS, FLOOR PLANS, ELEVATIONS, AND THE STRUCTURAL AND OTHER CONTRACT DRAWINGS AND SHALL COORDINATE WORK WITH THAT OF THE OTHER TRADES TO AVOID INTERFERENCE. THE PLANS ARE DIAGRAMMATIC AND SHOW GENERALLY THE LOCATIONS OF THE FIXTURES, EQUIPMENT, AND PIPES AND ARE NOT TO BE SCALED; ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED IN THE FIELD.
- C REFERENCE DM000 SERIES DRAWINGS FOR ONE LINE DOCUMENTATION OF SYSTEM DEMOLITION REQUIREMENTS.
- D THE ENTIRE 1970'S ADDITION AND ASSOCIATED SERVICES SHALL BE DEMOLISHED. REFER TO NOTES FOR SELECTED AREAS WHERE SYSTEMS IN THE 1970'S BUILDING ARE REQUIRED TO MAINTAIN THE SERVICES OF THE EXISTING BUILDING TO REMAIN. COORDINATE WITH OWNER FOR EQUIPMENT, VALVES, ETC THAT MUST BE RETURNED TO OWNER FOR REUSE.
- E THE ENTIRE 1980'S ADDITION HVAC SERVICES SHALL BE DEMOLISHED EXCEPT WHERE NOTED.
- F EXISTING THERMOSTATS ARE ONLY PARTIALLY SHOWN ON THESE DRAWINGS. CONTROLS CONTRACTOR SHALL LOCATE ALL (E) THERMOSTATS AND SENSORS IN (E) BUILDING TO DETERMINE FINAL SENSOR REPLACEMENT SCOPE OF WORK AS PART OF THE DESIGN BUILD CONTROLS SCOPE. REPLACE ALL SENSORS IN (E) AREAS WITH (N) SENSORS AS PART OF DESIGN.

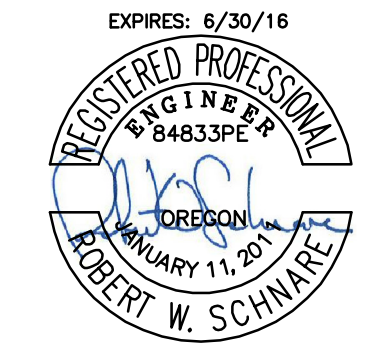
KEYED NOTES

- 1 COORDINATE CAMPUS UTILITY SHUTDOWN WITH UNIVERSITY. INSTALL 4" SHUT OFF VALVES IN CAMPUS CHILLED WATER SUPPLY/RETURN BRANCH PIPING SERVING THE 1970 ADDITION. DEMO CHILLED WATER PIPING DOWNSTREAM OF VALVES TO THE 1970 ADDITION.
- 2 COORDINATE CAMPUS UTILITY SHUTDOWN WITH UNIVERSITY. INSTALL A 4" SHUT OFF VALVE IN CAMPUS STEAM BRANCH PIPING SERVING THE 1970 ADDITION. DEMO STEAM PIPING DOWNSTREAM OF VALVE TO THE 1970 ADDITION. DEMO CONDENSATE PIPE BACK TO THE LOCATION OF THE STEAM SHUT OFF VALVE PROVIDE TEMPORARY CAP FOR FUTURE CONDENSATE CONNECTION.
- 3 PACKAGE 2 SCOPE: DEMOLISH 1 1/4" CHWS/R TO THIS POINT IN BASEMENT. PROVIDE (N) 1 1/2" CHILLED WATER PIPING UP TO AHU-2. SEE M600 SERIES FOR MORE DETAILS.
- 4 DEMOLISH ALL MECHANICAL DUCTWORK, PIPING AND EQUIPMENT IN THIS ROOM. DEMOLISH STEAM/CONDENSATE & CHILLED WATER PIPING BACK TO BUILDING ENTRY. SCOPE INCLUDES SUPPLY FANS, EXHAUST FANS, HEAT EXCHANGER, HEATING PUMPS, EXPANSION TANK, CONDENSATE PUMPS. SEE PLUMBING DRAWINGS ADDITIONAL DEMO SCOPE AND EXISTING EQUIPMENT TO REMAIN.
- 5 CHILLED WATER BUILDING ENTRY LOCATION
- 6 STEAM & CONDENSATE BUILDING ENTRY LOCATION
- 7 STACKED HEATING PUMPS
- 8 RAISE (E) HYDRONIC PIPING TO ROUTE ABOVE "LOUNGE" CEILING HEIGHT. COORDINATE HEIGHT WITH (E) HYDRONIC MAIN RISER LOCATION & (N) DUCTWORK RISERS INSTALLED IN PACKAGE 4 ABOVE (N) TELECOM ROOM.



ARCHITECTURE  
URBAN DESIGN + PLANNING  
INTERIOR DESIGN

338 NW 5TH AVENUE  
PORTLAND OREGON 97209  
P: 503.445.7372  
F: 503.445.7395  
SERAPDX.COM



GLUMAC

900 SW Fifth Ave., Suite 1600  
Portland, OR 97204  
T: 503.227.5200 F: 503.274.7674  
www.glumac.com

Job No. 02.13.00045  
Client: JOSH CHECKIS  
engineers for a sustainable future™

ERB MEMORIAL UNION - RENOVATION & ADDITION  
PACKAGE 4  
UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

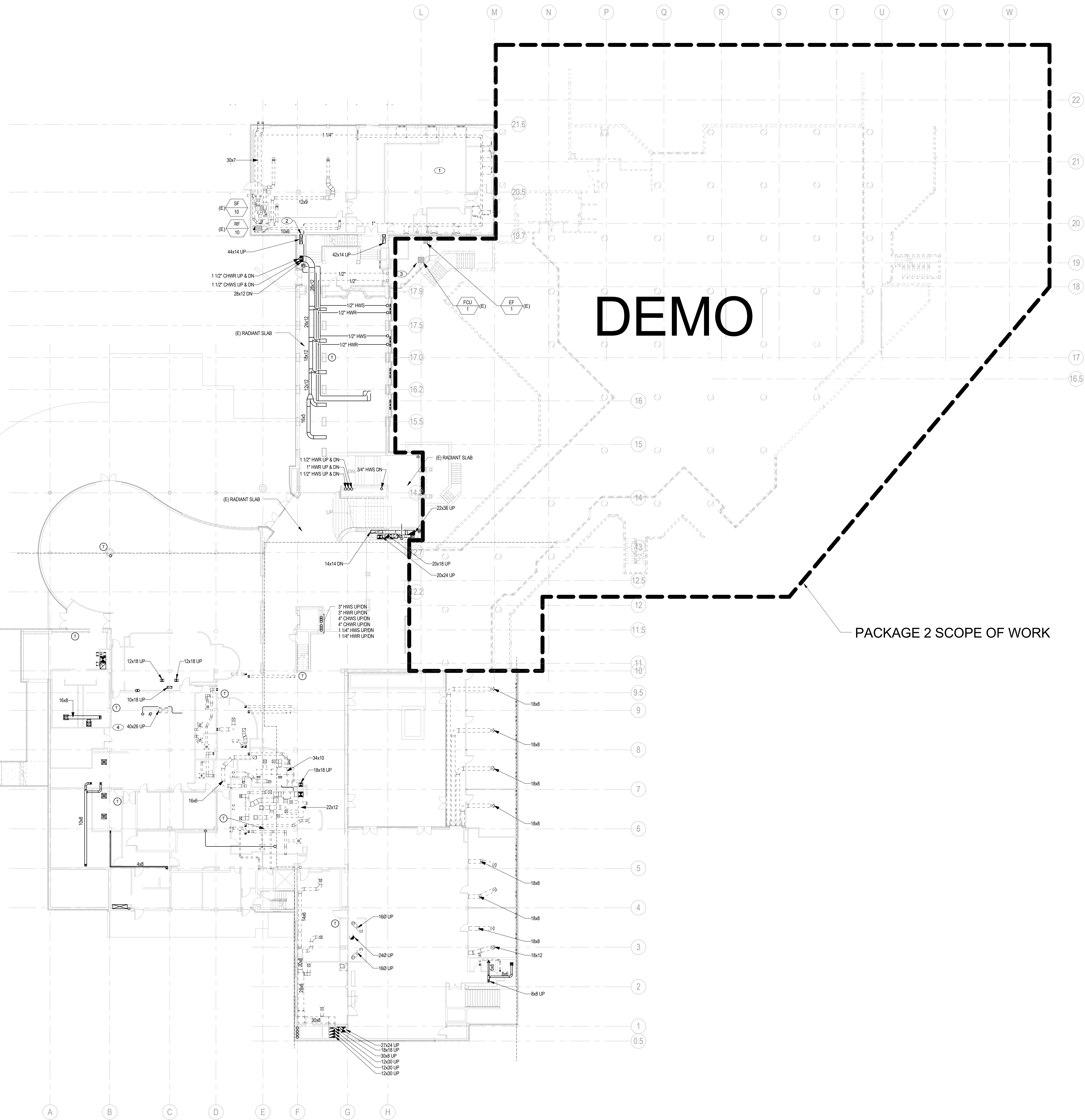
REVISIONS

CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO.: 11045

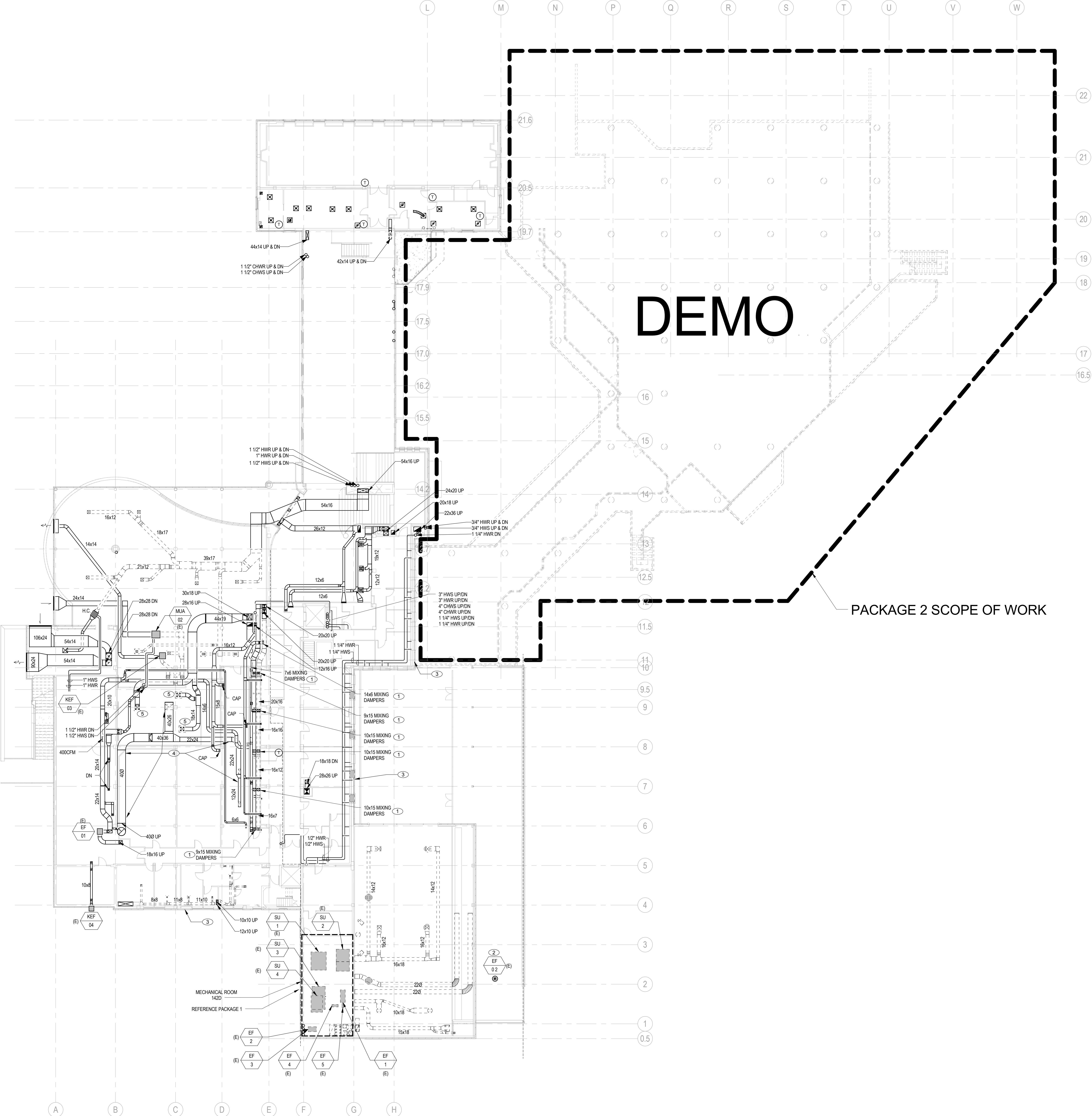
DEMO PLAN -  
GROUND LEVEL  
FLOOR PLAN -  
HVAC

DM100









SHEET NOTES

- A DEMOLITION SCOPE OF EQUIPMENT, DUCTWORK, PIPING, ETC IN EXISTING BUILDING IS SHOWN FOR REFERENCE AND IS DEVELOPED THROUGH REFERENCE OF EXISTING BUILDING AS-BUILT DOCUMENTATION AND SITE WALKS. WHERE PROJECT INVOLVES INTERFACE WITH EXISTING BUILDING AND SITE SYSTEMS, EVERY EFFORT HAS BEEN MADE TO NOTE EXISTING UTILITIES AND SERVICES. HOWEVER, THE CONTRACTOR SHOULD THOROUGHLY FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND BE AWARE THAT IN SOME CASES INFORMATION IS NOT AVAILABLE FOR CONCEALED CONDITIONS, WHICH EXIST IN PORTIONS OF THE EXISTING BUILDING AFFECTED BY THIS WORK. NOTIFY OWNER, ARCHITECT, AND ENGINEER OF EXISTING CONDITIONS DISCOVERED DURING THE DEMOLITION PHASE.
- B THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL INTERIOR DETAILS, FLOOR PLANS, ELEVATIONS, AND THE STRUCTURAL AND OTHER CONTRACT DRAWINGS AND SHALL COORDINATE WORK WITH THAT OF THE OTHER TRADES TO AVOID INTERFERENCE. THE PLANS ARE DIAGRAMMATIC AND SHOW GENERALLY THE LOCATIONS OF THE FIXTURES, EQUIPMENT, AND PIPES AND ARE NOT TO BE SCALED. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED IN THE FIELD.
- C REFERENCE DAW00 SERIES DRAWINGS FOR ONE LINE DOCUMENTATION OF SYSTEM DEMOLITION REQUIREMENTS.
- D THE ENTIRE 1970'S ADDITION AND ASSOCIATED SERVICES SHALL BE DEMOLISHED. REFER TO NOTES FOR SELECTED AREAS WHERE SYSTEMS IN THE 1970'S BUILDING ARE REQUIRED TO MAINTAIN THE SERVICES OF THE EXISTING BUILDING TO REMAIN. COORDINATE WITH OWNER FOR EQUIPMENT, VALVES, ETC THAT MUST BE RETURNED TO OWNER FOR REUSE.
- E THE ENTIRE 1960'S ADDITION HVAC SERVICES SHALL BE DEMOLISHED EXCEPT WHERE NOTED. EXISTING THERMOSTATS ARE ONLY PARTIALLY SHOWN ON THESE DRAWINGS. CONTROLS CONTRACTOR SHALL LOCATE ALL (E) THERMOSTATS AND SENSORS IN (E) BUILDING TO DETERMINE FINAL SENSOR REPLACEMENT SCOPE OF WORK AS PART OF THE DESIGN BUILD CONTROL & SCOPE. REPLACE ALL SENSORS IN (E) AREAS WITH (N) SENSORS AS PART OF DESIGN.
- F

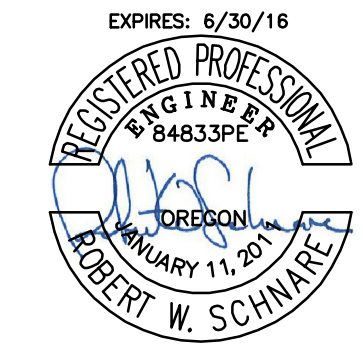
KEYED NOTES (E)

- 1 DEMOLISH (E) DAMPERS AND CONTROLS.
- 2 KEEP EXHAUST FAN FOR (N) DESIGN. CONTROL PER BMS PER SPECIFICATIONS.
- 3 DEMOLISH (E) RADIATORS ALONG ENTIRE PERIMETER SOUTH & EAST WALLS. DEMOLISH VALVES & CAP PIPING BEHIND WALL.
- 4 PROVIDE ACCESS PANELS IN ENCLOSURE & DUCT FOR GREASE CLEANOUT. TYPICAL EVERY 20'.
- 5 DEMOLISH GRILLE & CAP DUCTWORK. DUCTWORK TO REMAIN FOR (F).



ARCHITECTURE  
URBAN DESIGN • PLANNING  
INTERIOR DESIGN

338 NW 5TH AVENUE  
PORTLAND OREGON 97209  
P: 503.445.7372  
F: 503.445.7395  
SERAPDX.COM



GLUMAC

900 SW Fifth Ave., Suite 1500  
Portland, OR 97204  
T: 503.227.5360 F: 503.274.7674  
www.glumac.com  
Job No. 02.13.00045  
Contact: JOSH CHECKIS  
engineers for a sustainable future™

ERB MEMORIAL UNION - RENOVATION & ADDITION  
PACKAGE 4  
UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

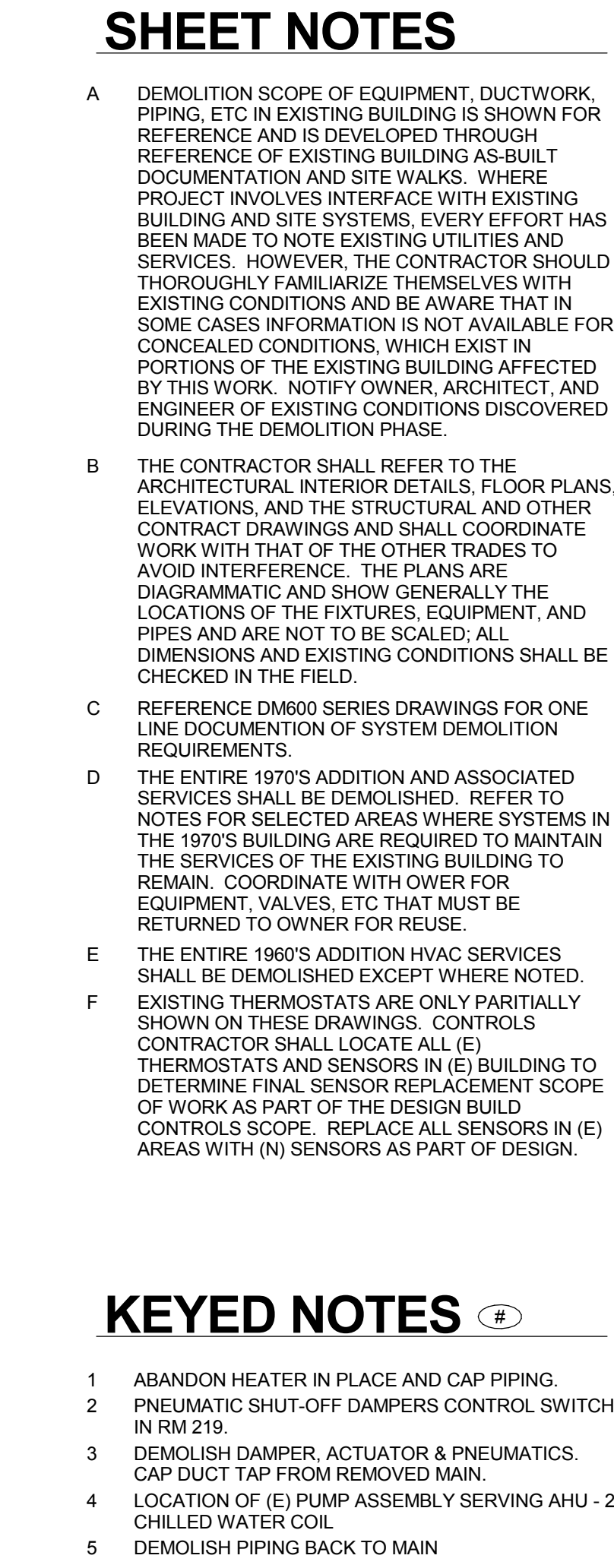
REVISIONS

CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO.: 11045

DEMO PLAN -  
MEZZANINE  
LEVEL PLAN -  
HVAC

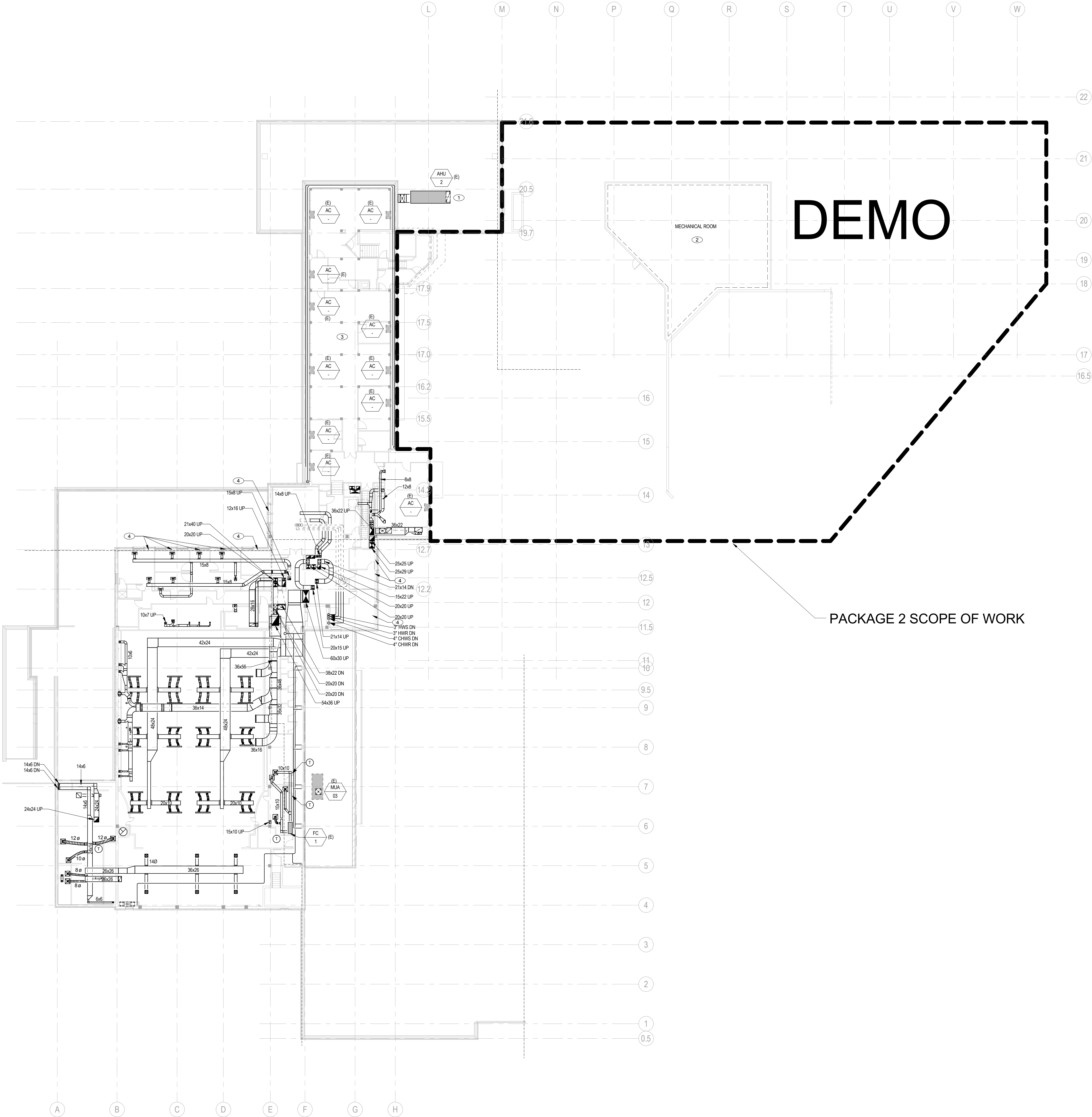
DM101m





**ERB MEMORIAL UNION - RENOVATION & ADDITION  
PACKAGE 4**  
UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET



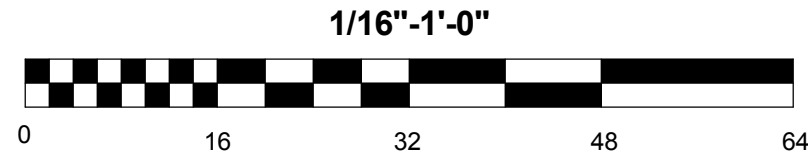


SHEET NOTES

- A DEMOLITION SCOPE OF EQUIPMENT, DUCTWORK, PIPING, ETC IN EXISTING BUILDING IS SHOWN FOR REFERENCE AND IS DEVELOPED THROUGH REFERENCE OF EXISTING BUILDING AS-BUILT DOCUMENTATION AND SITE WALKS. WHERE PROJECT INVOLVES INTERFACE WITH EXISTING BUILDING AND SITE SYSTEMS, EVERY EFFORT HAS BEEN MADE TO NOTE EXISTING UTILITIES AND SERVICES. HOWEVER, THE CONTRACTOR SHOULD THOROUGHLY FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND BE AWARE THAT IN SOME CASES INFORMATION IS NOT AVAILABLE FOR CONCEALED CONDITIONS, WHICH EXIST IN PORTIONS OF THE EXISTING BUILDING AFFECTED BY THIS WORK. NOTIFY OWNER, ARCHITECT, AND ENGINEER OF EXISTING CONDITIONS DISCOVERED DURING THE DEMOLITION PHASE.
- B THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL INTERIOR DETAILS, FLOOR PLANS, ELEVATIONS, AND THE STRUCTURAL AND OTHER CONTRACT DRAWINGS AND SHALL COORDINATE WORK WITH THAT OF THE OTHER TRADES TO AVOID INTERFERENCE. THE PLANS ARE DIAGRAMMATIC AND SHOW GENERALLY THE LOCATIONS OF THE FIXTURES, EQUIPMENT, AND PIPES AND ARE NOT TO BE SCALED; ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED IN THE FIELD.
- C REFERENCE DM600 SERIES DRAWINGS FOR ONE LINE DOCUMENTATION OF SYSTEM DEMOLITION REQUIREMENTS.
- D THE ENTIRE 1970'S ADDITION AND ASSOCIATED SERVICES SHALL BE DEMOLISHED. REFER TO NOTES FOR SELECTED AREAS WHERE SYSTEMS IN THE 1970'S BUILDING ARE REQUIRED TO MAINTAIN THE SERVICES OF THE EXISTING BUILDING TO REMAIN. COORDINATE WITH OWNER FOR EQUIPMENT, VALVES, ETC THAT MUST BE RETURNED TO OWNER FOR REUSE.
- E THE ENTIRE 1980'S ADDITION HVAC SERVICES SHALL BE DEMOLISHED EXCEPT WHERE NOTED.
- F EXISTING THERMOSTATS ARE ONLY PARTIALLY SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL LOCATE ALL (E) THERMOSTATS AND SENSORS IN (E) BUILDING TO DETERMINE FINAL SENSOR REPLACEMENT SCOPE OF WORK AS PART OF THE DESIGN BUILD CONTROLS SCOPE. REPLACE ALL SENSORS IN (E) AREAS WITH (N) SENSORS AS PART OF DESIGN.

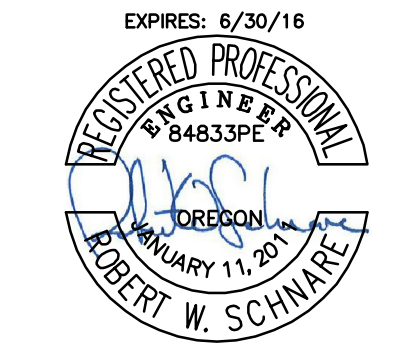
KEYED NOTES

- 1 PACKAGE 2 SCOPE: AHU IS SERVED BY CHILLED WATER PIPING FROM THE 1970 ADDITION. DEMOLISH PIPING AS SHOWN ON DM603 AND DM604. ROUTE (N) PIPING TO AHU FROM CHILLED WATER MAIN IN BASEMENT OF 605 BUILDING. REBALANCE PUMP FOR NEW HEAD LOSS CONDITIONS TO MAINTAIN (E) PRE-TAB REPORT PERFORMANCE.
- 2 DEMOLISH ALL MECHANICAL EQUIPMENT IN MECH ROOM. BEFORE WORK BEGINS COORDINATE WITH UO FACILITIES WHAT EQUIPMENT SHOULD BE RETURNED TO OWNER FOR REUSE.
- 3 DEMOLISH ALL WINDOW AC UNITS IN THIS AREA. DEMOLISH (E) RADIATORS IN THIS AREA. DEMOLISH VALVES & CAP PIPING BEHIND WALL. SEE 600 SERIES FOR COUNTS.
- 4 DEMOLISH (E) RADIATORS ALONG ENTIRE PERIMETER WALLS. DEMOLISH VALVES & CAP PIPING BEHIND WALL. SEE 600 SERIES FOR COUNTS.



ARCHITECTURE  
URBAN DESIGN • PLANNING  
INTERIOR DESIGN

338 NW 5TH AVENUE  
PORTLAND OREGON 97209  
P: 503.445.7372  
F: 503.445.7395  
SERAPDX.COM



GLUMAC

900 SW Fifth Ave., Suite 1600  
Portland, OR 97204  
T: 503.227.5369 F: 503.274.7674  
www.glumac.com  
Job No. 02.13.00045  
Contact: JOSH CHECKIS  
engineers for a sustainable future™

ERB MEMORIAL UNION - RENOVATION & ADDITION  
PACKAGE 4  
UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

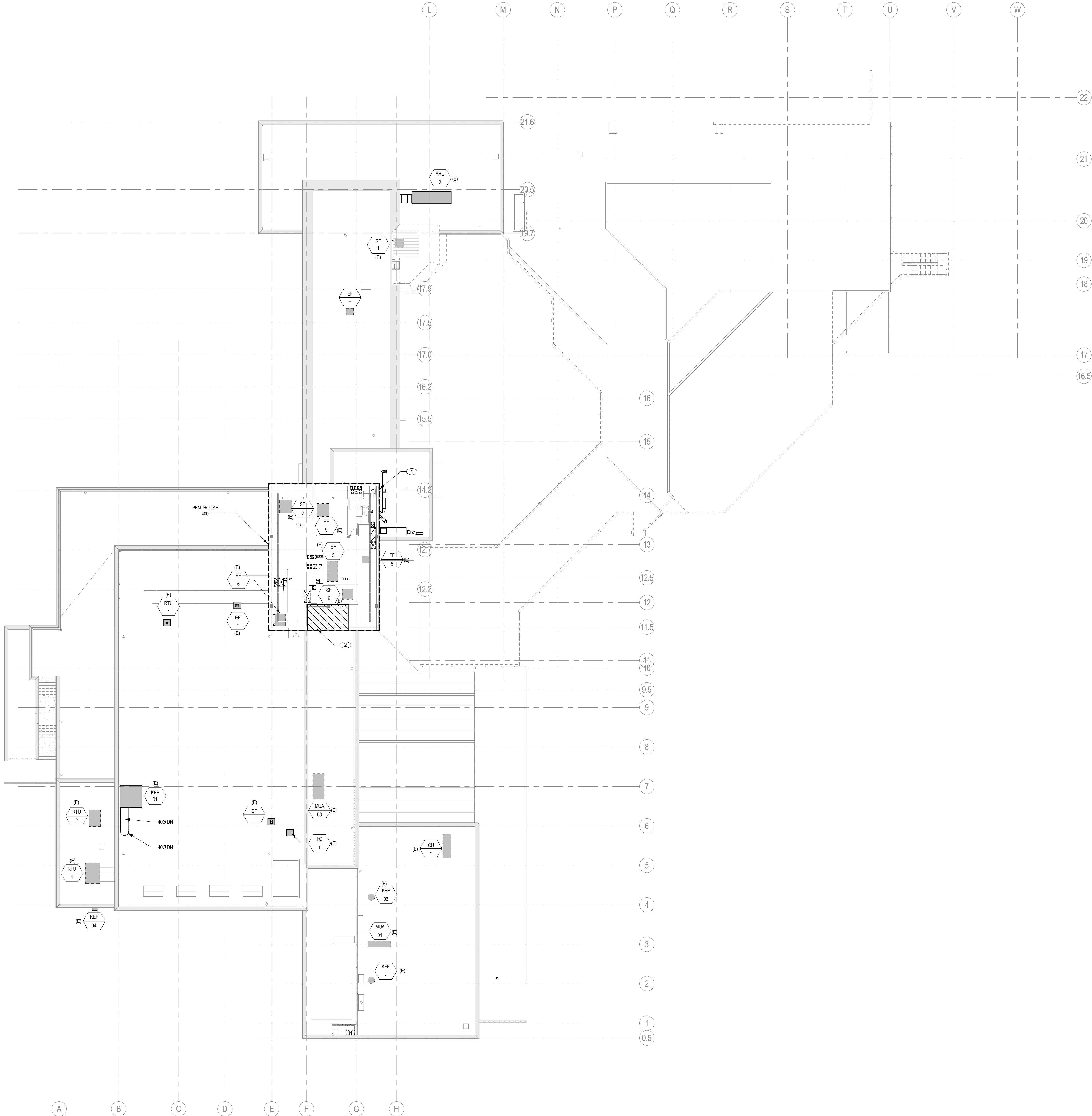
REVISIONS

CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO.: 11045

DEMO PLAN -  
LEVEL 3 FLOOR  
PLAN - HVAC

DM103





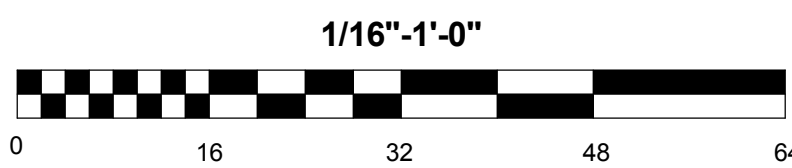
1 DEMO PLAN - ROOF PLAN - HVAC  
SCALE: 1/16" = 1'-0"

SHEET NOTES

- A DEMOLITION SCOPE OF EQUIPMENT, DUCTWORK, PIPING, ETC IN EXISTING BUILDING IS SHOWN FOR REFERENCE AND IS DEVELOPED THROUGH REFERENCE OF EXISTING BUILDING AS-BUILT DOCUMENTATION AND SITE WALKS. WHERE PROJECT INVOLVES INTERFACE WITH EXISTING BUILDING AND SITE SYSTEMS, EVERY EFFORT HAS BEEN MADE TO NOTE EXISTING UTILITIES AND SERVICES. HOWEVER, THE CONTRACTOR SHOULD THOROUGHLY FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND BE AWARE THAT IN SOME CASES INFORMATION IS NOT AVAILABLE FOR CONCEALED CONDITIONS, WHICH EXIST IN PORTIONS OF THE EXISTING BUILDING AFFECTED BY THIS WORK. NOTIFY OWNER, ARCHITECT, AND ENGINEER OF EXISTING CONDITIONS DISCOVERED DURING THE DEMOLITION PHASE.
- B THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL INTERIOR DETAILS, FLOOR PLANS, ELEVATIONS, AND THE STRUCTURAL AND OTHER CONTRACT DRAWINGS AND SHALL COORDINATE WORK WITH THAT OF THE OTHER TRADES TO AVOID INTERFERENCE. THE PLANS ARE DIAGRAMMATIC AND SHOW GENERALLY THE LOCATIONS OF THE FIXTURES, EQUIPMENT, AND PIPES AND ARE NOT TO BE SCALED, ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED IN THE FIELD.
- C REFERENCE DM800 SERIES DRAWINGS FOR ONE LINE DOCUMENTATION OF SYSTEM DEMOLITION REQUIREMENTS.
- D THE ENTIRE 1970'S ADDITION AND ASSOCIATED SERVICES SHALL BE DEMOLISHED. REFER TO NOTES FOR SELECTED AREAS WHERE SYSTEMS IN THE 1970'S BUILDING ARE REQUIRED TO MAINTAIN THE SERVICES OF THE EXISTING BUILDING TO REMAIN. COORDINATE WITH OWNER FOR EQUIPMENT, VALVES, ETC THAT MUST BE RETURNED TO OWNER FOR REUSE.
- E THE ENTIRE 1980'S ADDITION HVAC SERVICES SHALL BE DEMOLISHED EXCEPT WHERE NOTED.
- F EXISTING THERMOSTATS ARE ONLY PARTIALLY SHOWN ON THESE DRAWINGS. CONTROLS CONTRACTOR SHALL LOCATE ALL (E) THERMOSTATS AND SENSORS IN (E) BUILDING TO DETERMINE FINAL SENSOR REPLACEMENT SCOPE OF WORK AS PART OF THE DESIGN BUILD. CONTROLS SCOPE, REPLACE ALL SENSORS IN (E) AREAS WITH (N) SENSORS AS PART OF DESIGN.

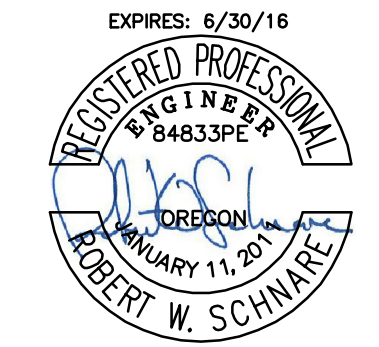
KEYED NOTES

- 1 DEMOLISH MECHANICAL UNITS, DUCTWORK, PIPING, ETC IN PENTHOUSE.
- 2 (E) ELEVATOR OVERRUN & EQUIPMENT TO REMAIN.



ARCHITECTURE  
URBAN DESIGN + PLANNING  
INTERIOR DESIGN

338 NW 5TH AVENUE  
PORTLAND OREGON 97209  
P: 503.445.7372  
F: 503.445.7395  
SERAPDX.COM



GLUMAC

900 SW Fifth Ave., Suite 1600  
Portland, OR 97204  
T: 503.227.5369 F: 503.274.7674  
www.glumac.com  
Job No. 02.13.00045  
Contact: JOSH CHECKIS  
engineers for a sustainable future™

ERB MEMORIAL UNION - RENOVATION & ADDITION  
PACKAGE 4

UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

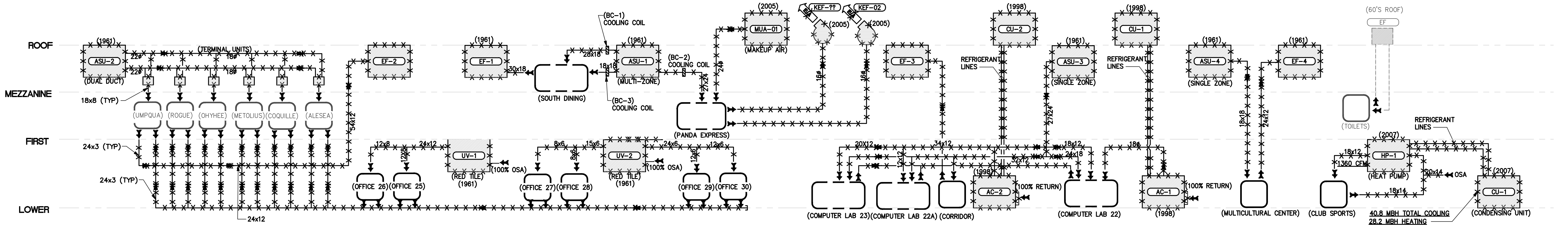
REVISIONS

CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO: 11045

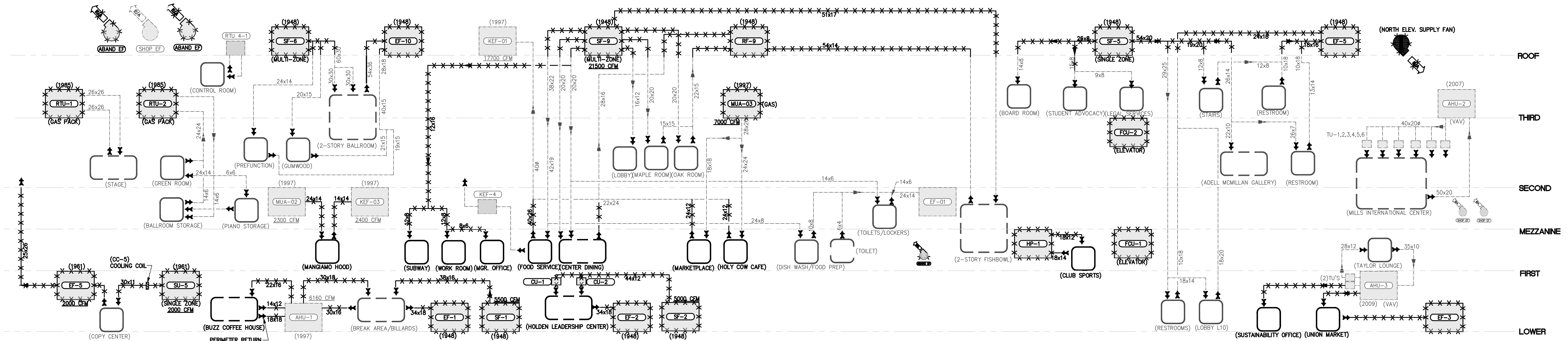
DEMO PLAN -  
ROOF PLAN -  
HVAC

DM110





1 EXISTING AIRSIDE DEMO SCHEMATIC 1961 ADDITION  
SCALE: NONE



2 EXISTING AIRSIDE DEMO SCHEMATIC 1948 BUILDING  
SCALE: NONE

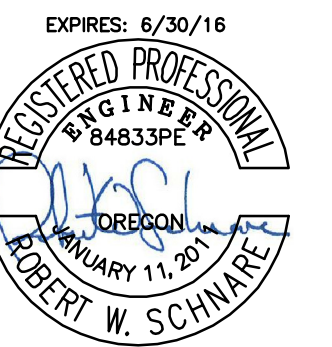
## SHEET NOTES

- A. UNIT TAGS/PIPE SIZES/DUCT SIZES ARE BASED ON AS-BUILT DRAWINGS AND MAY DIFFER FROM FIELD CONDITIONS.
- B. DEMOLISH TYPE I GREASE EXHAUST VERTICAL DROPS TO 1ST FLOOR. MAINTAIN HORIZONTAL DISTRIBUTION IN MEZZANINE. SEE M250 SERIES FOR CLEANOUT REQUIREMENTS TO BE ADDED.

SERA

ARCHITECTURE  
URBAN DESIGN + PLANNING  
INTERIOR DESIGN

338 NW 5TH AVENUE  
PORTLAND OREGON 97209  
P: 503.445.7372  
F: 503.445.7395  
SERAPDX.COM



GLUMAC

900 SW Fifth Ave., Suite 1600  
Portland, Or 97204  
www.glumac.com  
T. 503.227.0280 F. 503.274.7674  
Job No. 02.13.00545  
Contact JOSH CHECKIS  
engineers for a sustainable future®

ERB MEMORIAL UNION - RENOVATION & ADDITION

PACKAGE 4

UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

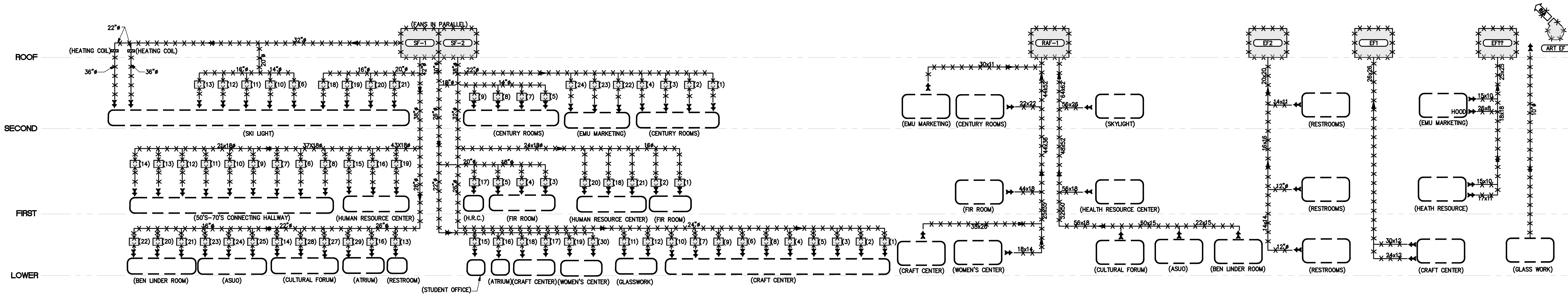
REVISIONS

CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO.: 11045

EXISTING AIRSIDE  
SCHEMATIC  
DM601

100% CONSTRUCTION DOCUMENTS





1 EXISTING AIRSIDE DEMO SCHEMATIC 1972 ADDITION  
SCALE: NONE

- SHEET NOTES**
- A. ALL SCOPE ON THIS DRAWING IS PACKAGE 2 SCOPE OF WORK. FOR REFERENCE ONLY.
  - B. SEE DM100 SERIES FOR LOCATIONS OF MAJOR EQUIPMENT AND MECHANICAL ROOMS.
  - C. UNIT TAGS/PIPE SIZES/DUCT SIZES ARE BASED ON AS-BUILT DRAWINGS AND MAY DIFFER FROM FIELD CONDITIONS.
  - D. 1972 ADDITION TO BE FULLY DEMOLISHED.

**SERA**

ARCHITECTURE  
URBAN DESIGN + PLANNING  
INTERIOR DESIGN

338 NW 5TH AVENUE  
PORTLAND OREGON 97209  
P: 503.445.7372  
F: 503.445.7395  
SERAPDX.COM

EXPIRES: 6/30/16

REGISTERED PROFESSIONAL  
ARCHITECT  
OREGON  
JANUARY 11, 2011  
ROBERT W. SCHMIDT

**GLUMAC**

900 SW Fifth Ave., Suite 1600  
Portland, Or 97204  
www.glumac.com  
T. 503.227.5280 F. 503.274.7674  
Job No. 02.13.00545  
Contact: JOSH CHECKIS  
engineers for a sustainable future®

ERB MEMORIAL UNION - RENOVATION & ADDITION  
PACKAGE 4

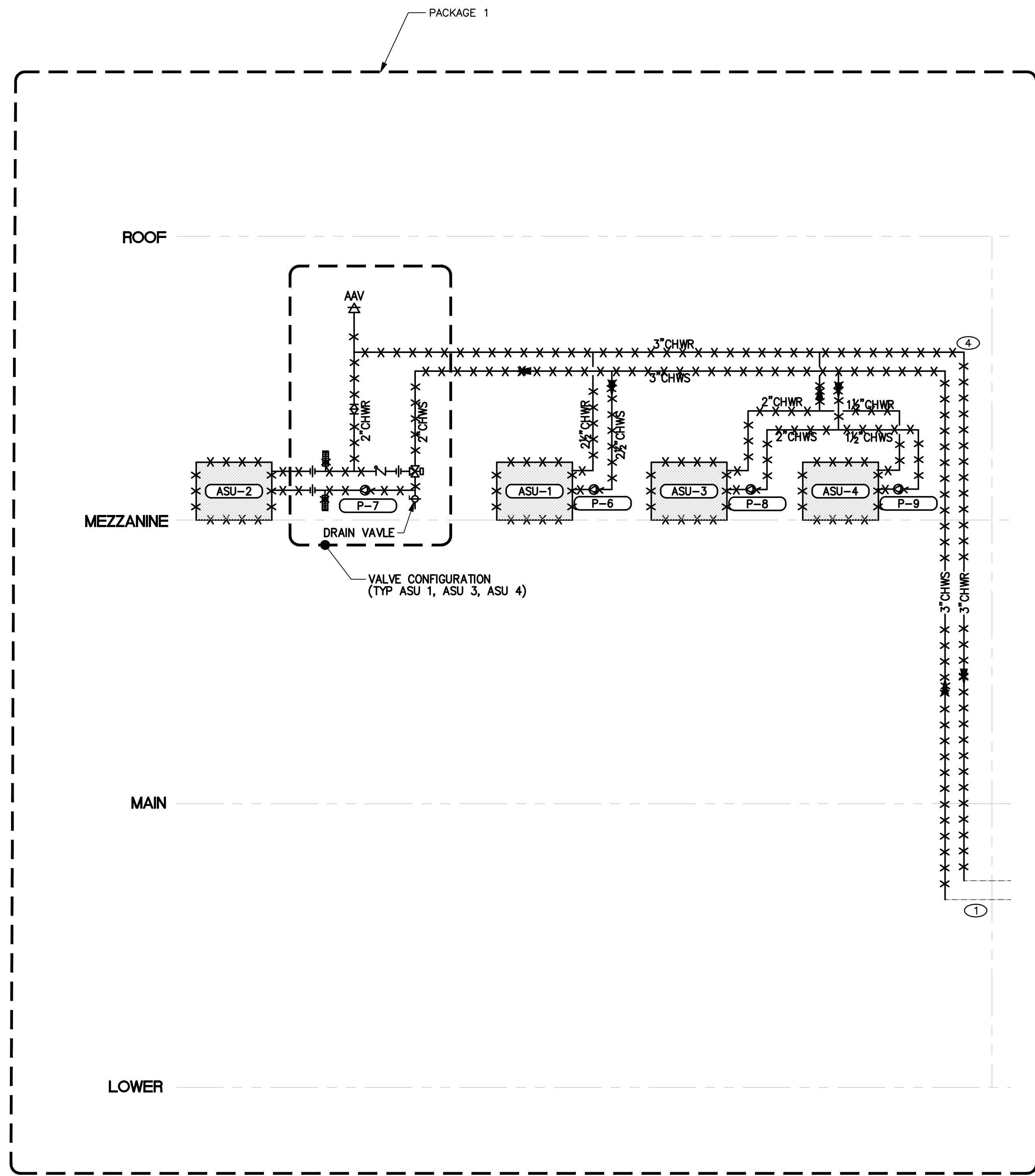
UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

REVISIONS

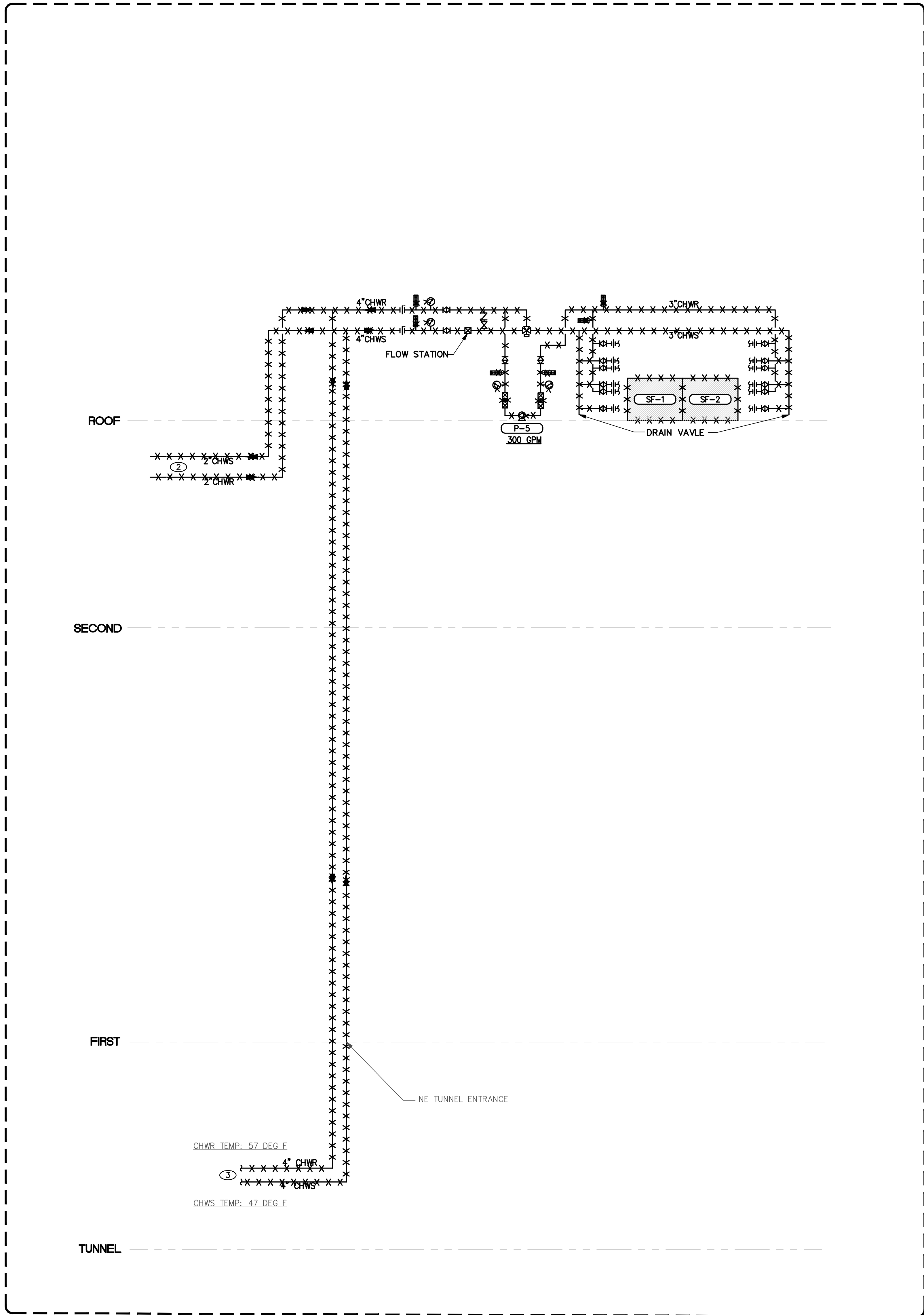
CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO.: 11045

EXISTING AIRSIDE  
SCHEMATIC  
DM602





1 EXISTING CHILLED WATER SCHEMATIC 1961 ADDITION  
SCALE: NONE



2 EXISTING CHILLED WATER SCHEMATIC 1970'S ADDITION  
SCALE: NONE

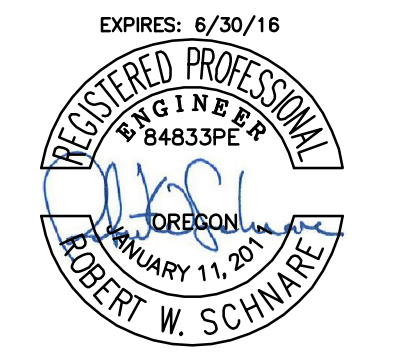
- SHEET NOTES**
- A. SCOPE IS PACKAGE 1 AND 2 ON THIS DRAWING. FOR REFERENCE ONLY.
- B. SEE DM100 SERIES FOR LOCATIONS OF MAJOR EQUIPMENT AND MECHANICAL ROOMS.
- C. UNIT TAGS/PIPE SIZES/DUCT SIZES ARE BASED ON AS-BUILT DRAWINGS AND MAY DIFFER FROM FIELD CONDITIONS.

- KEYED NOTES**
1. PIPING ROUTES BACK SOUTHWEST MECHANICAL ROOM IN 1950'S BUILDING (GROUND FLOOR)
2. TO AHU-2 SERVING MILLS INTERNATIONAL CENTER.
3. THE STRETCH OF TUNNEL SERVING THE 70'S BUILDING IS TO BE PARTIALLY DEMOLISHED BACK TO POINT OF CONNECTION SHOWN ON FLOOR PLAN. ALL MECHANICAL SERVICES DEMOLISHED. (CHWS/R, MPS, LPC). SEE DM100 SERIES FOR TUNNEL LOCATION
4. SEE PACKAGE 1 FOR FINAL DEMO SCOPE AND POINT OF CONNECTION TO CRAFT CENTER EQUIPMENT



ARCHITECTURE  
URBAN DESIGN + PLANNING  
INTERIOR DESIGN

338 NW 5TH AVENUE  
PORTLAND OREGON 97209  
P: 503.445.7372  
F: 503.445.7395  
SERAPDX.COM



**GLUMAC**

900 SW Fifth Ave., Suite 1600  
Portland, Or 97204  
www.glumac.com  
Job No. 02.13.00545  
Contact: JOSH CHECKIS  
engineers for a sustainable future®

ERB MEMORIAL UNION - RENOVATION & ADDITION  
PACKAGE 4

UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

REVISIONS

CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO.: 11045

EXISTING CHILLED  
WATER  
SCHEMATIC  
DM603

100% CONSTRUCTION DOCUMENTS



# SHEET NOTES

- A. SEE DM100 SERIES FOR LOCATIONS OF MAJOR EQUIPMENT AND MECHANICAL ROOMS.
- B. UNIT TAGS/PIPE SIZES/DUCT SIZES ARE BASED ON AS-BUILT DRAWINGS AND MAY DIFFER FROM FIELD CONDITIONS.

## KEYED NOTES

1. PACKAGE 2 SCOPE OF WORK: DEMOLISH PIPING BACK TO 70'S BUILDING IN FULL.
2. PIPING FROM 60'S BUILDING
3. DEMOLISH CHILLED WATER LINES TO MECHANICAL ROOM FLOOR AND CAP.
4. PACKAGE 2 SCOPE OF WORK: DEMOLISH (E) 1/4" CHWS/R PIPING FROM MECH ROOM ON 2ND FLOOR TO CONNECTION TO 2" MAIN IN BASEMENT. REROUTE (N) 1/2" CHWS/R BACK TO AHU-2 PUMP ASSEMBLY IN SAME SHAFT. REBLANCE (E) PUMP FOR NEW HEAD LOSS CONDITIONS AND FLOW OF 25 GPM.

## 1 EXISTING CHILLED WATER SCHEMATIC 1948 BUILDING

SCALE: NONE

## GLUMAC

900 SW Fifth Ave., Suite 1600  
Portland, OR 97204  
T. 503.227.0280 F. 503.274.7674  
www.glumac.com  
Job No. 02.13.00545  
Contact: **POB** **DEVELOPER**

engineers for a sustainable future®

## ERB MEMORIAL UNION - RENOVATION & ADDITION

### PACKAGE 4

UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

REVISIONS

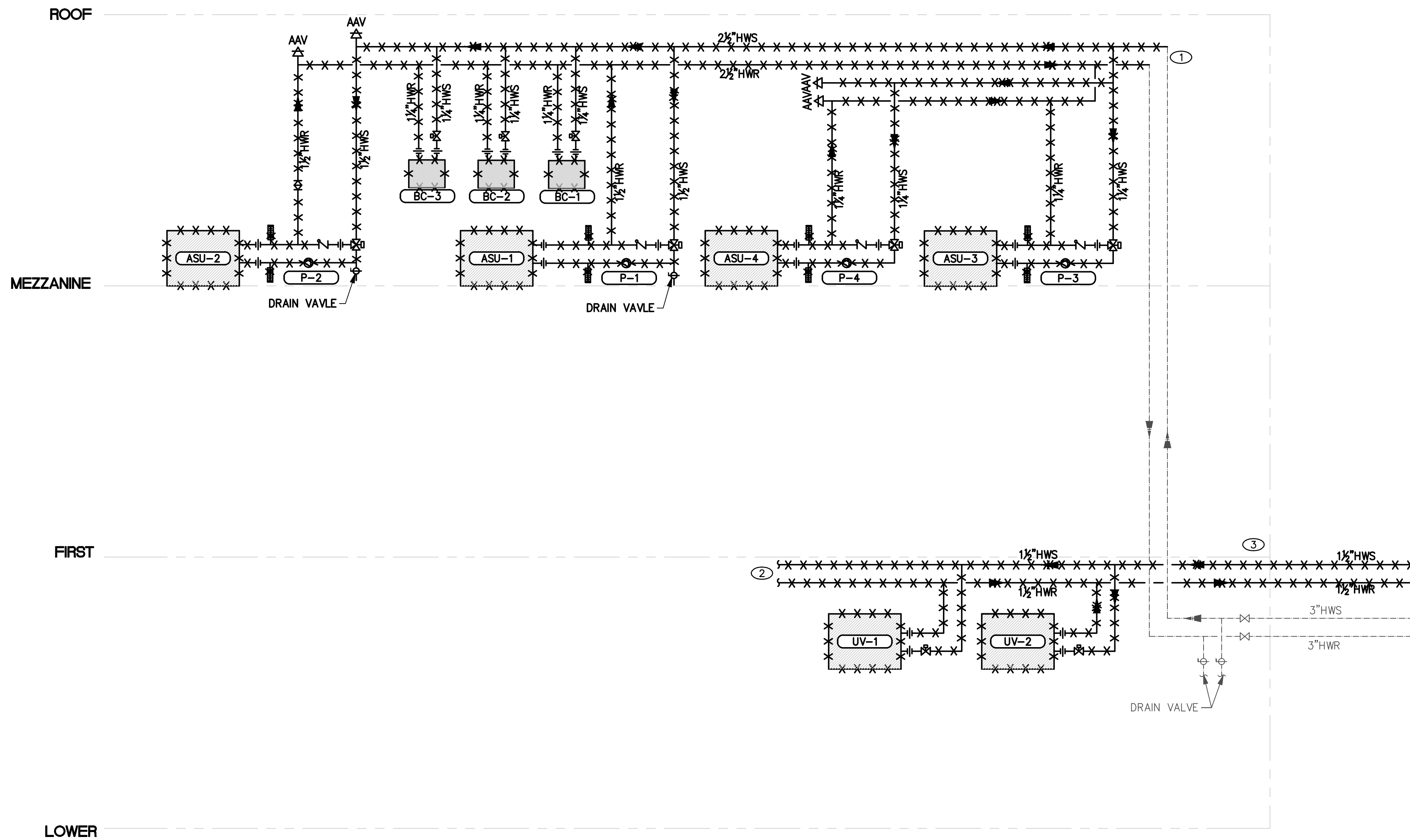
CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO.: 11045

EXISTING CHILLED  
WATER  
SCHEMATIC

DM604

100% CONSTRUCTION DOCUMENTS





**1** EXISTING HEATING WATER DEMO SCHEMATIC 1961 ADDITION  
SCALE: NONE

**SHEET NOTES**

- A. SCOPE ON THIS SHEET IS PACKAGE 1. SHEET FOR REFERENCE ONLY. SEE PACKAGE 1 FOR FURTHER DETAILS.
- B. SEE MD100 SERIES FOR LOCATIONS OF MAJOR EQUIPMENT AND MECHANICAL ROOMS.
- C. UNIT TAGS/PIPE SIZES/DUCT SIZES ARE BASED ON AS-BUILT DRAWINGS AND MAY DIFFER FROM FIELD CONDITIONS.

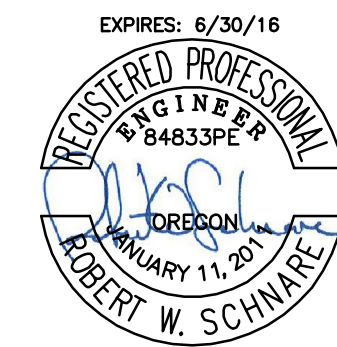
**KEYED NOTES**

1. SEE PACKAGE 1 FOR FINAL DEMO SCOPE AND POINT OF CONNECTION TO CRAFT CENTER EQUIPMENT
2. TO 60'S PERIMETER RADIATORS AND STAIR HEATERS ON GROUND AND FIRST FLOOR. DEMO ALL PIPING & RADIATORS.
3. DEMO BACK TO SW MECH ROOM TAP TO MAIN AND CAP.



ARCHITECTURE  
URBAN DESIGN + PLANNING  
INTERIOR DESIGN

338 NW 5TH AVENUE  
PORTLAND OREGON 97209  
P: 503.445.7372  
F: 503.445.7395  
SERAPDX.COM



**GLUMAC**

900 SW Fifth Ave., Suite 1600  
Portland, OR 97204  
www.glumac.com  
T. 503.227.5280 F. 503.274.7674  
Job No. 02.13.00545  
Contact: JOSH CHECKIS

engineers for a sustainable future®

**ERB MEMORIAL UNION - RENOVATION & ADDITION  
PACKAGE 4**

UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

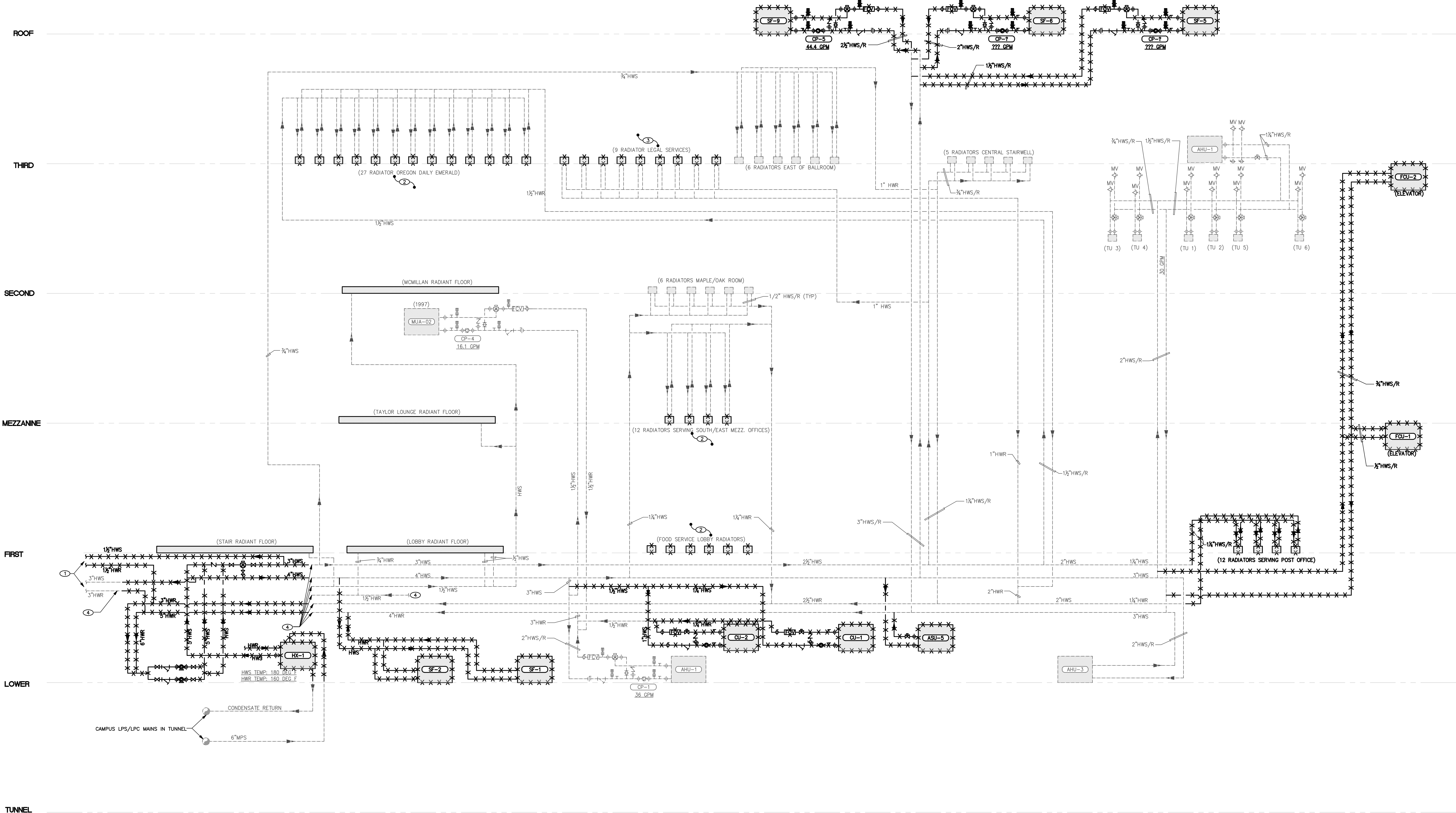
REVISIONS

CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO.: 11045

EXISTING HEATING  
WATER  
SCHEMATIC

**DM605**





1 EXISTING HEATING WATER DEMO SCHEMATIC 1948 BUILDING  
SCALE: NONE

SHEET NOTES

- A. SEE DM100 SERIES FOR LOCATIONS OF MAJOR EQUIPMENT AND MECHANICAL ROOMS.
- B. UNIT TAGS/PIPE SIZES/DUCT SIZES ARE BASED ON AS-BUILT DRAWINGS AND MAY DIFFER FROM FIELD CONDITIONS.

KEYED NOTES

1. PIPING TO 1961 ADDITION
2. DEMOLISH (E) RADIATORS. DEMOLISH PIPING BACK THROUGH WALL AND CAP. WALL TO BE REPAIRED.
3. (N) RADIATORS & VALVES ASSEMBLIES IN NEW WORK PHASE.
4. DEMO PIPING TO MECHANICAL ROOM WALLS
5. TRACKS WITH HWS TO RADIANT FLOORS



ARCHITECTURE  
URBAN DESIGN + PLANNING  
INTERIOR DESIGN

338 NW 5TH AVENUE  
PORTLAND OREGON 97209  
P: 503.445.7372  
F: 503.445.7395  
SERAPDX.COM



GLUMAC

900 SW Fifth Ave., Suite 1600  
Portland, Or 97204  
T. 503.227.5280 F. 503.274.7674  
www.glumac.com  
Job No. 02.13.00545  
Contact: JOSH CHECKIS  
engineers for a sustainable future®

ERB MEMORIAL UNION - RENOVATION & ADDITION  
PACKAGE 4

UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

REVISIONS

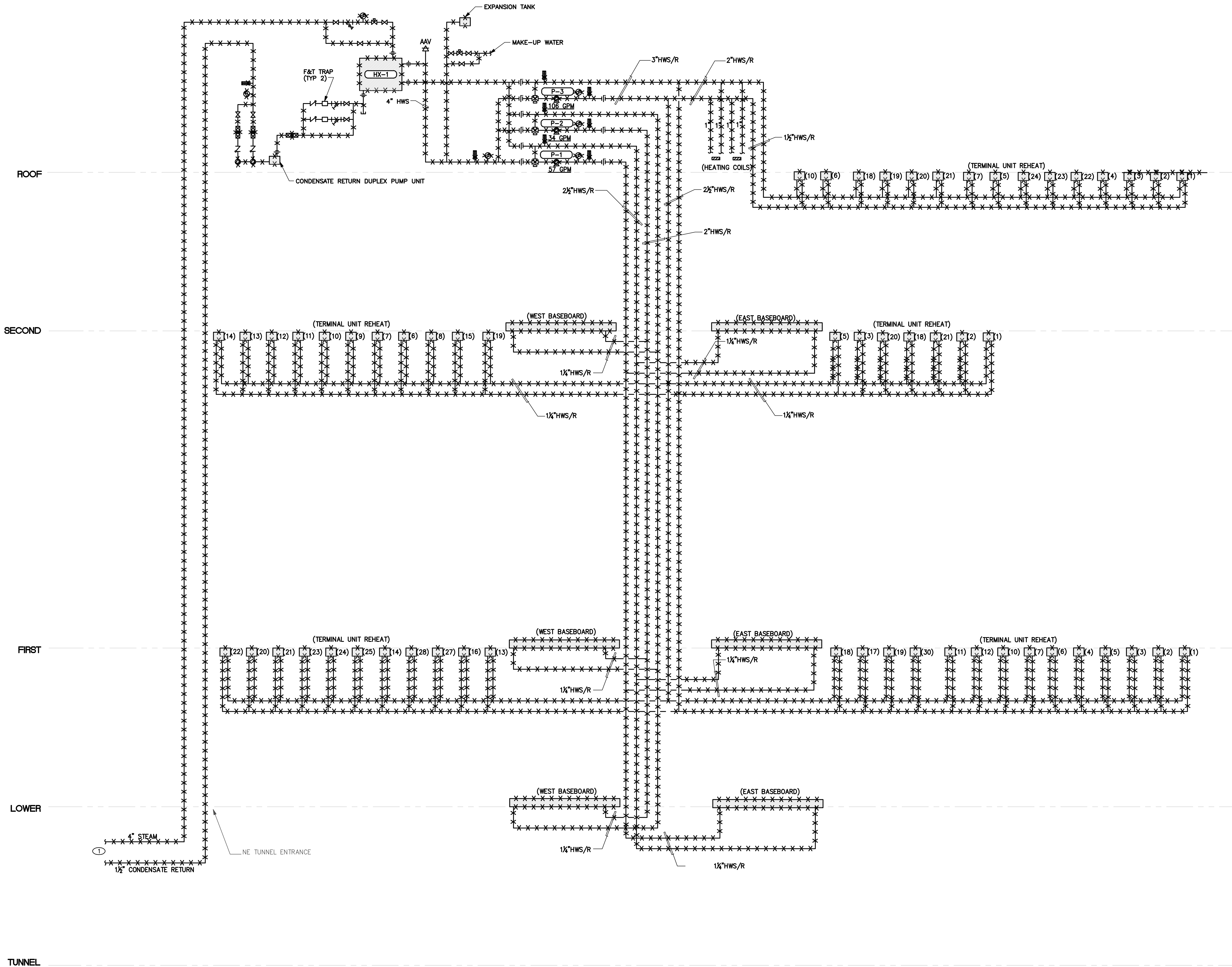
CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO.: 11045

EXISTING HEATING  
WATER  
SCHEMATIC

DM606

100% CONSTRUCTION DOCUMENTS





1 EXISTING HEATING WATER DEMO SCHEMATIC 1972 ADDITION  
SCALE: NONE

SHEET NOTES

- A. ALL SCOPE ON THIS DRAWING IS PACKAGE 2 SCOPE OF WORK. FOR REFERENCE ONLY.
- B. SEE MD100 SERIES FOR LOCATIONS OF MAJOR EQUIPMENT AND MECHANICAL ROOMS.
- C. UNIT TAGS/PIPE SIZES/DUCT SIZES ARE BASED ON AS-BUILT DRAWINGS AND MAY DIFFER FROM FIELD CONDITIONS.
- D. 1972 ADDITION TO BE FULLY DEMOLISHED

KEYED NOTES

1. THE STRETCH OF TUNNEL SERVING THE 1972 ADDITION IS TO BE DEMOLISHED BACK TO THE MAIN TUNNEL. ALL MECHANICAL SERVICES DEMOLISHED BACK TO TUNNEL MAIN. (CHWS/R, MPS, LPC). SEE DM100 SERIES FOR TUNNEL LOCATION



ARCHITECTURE  
URBAN DESIGN + PLANNING  
INTERIOR DESIGN

338 NW 5TH AVENUE  
PORTLAND OREGON 97209  
P: 503.445.7372  
F: 503.445.7395  
SERAPDX.COM



GLUMAC

900 SW Fifth Ave., Suite 1600  
Portland, Or 97204  
www.glumac.com  
T. 503.227.0280 F. 503.274.7674  
Job No. 02.13.00545  
Contact: JOSH CHECKIS  
engineers for a sustainable future

ERB MEMORIAL UNION - RENOVATION & ADDITION  
PACKAGE 4

UNIVERSITY OF OREGON  
13TH AVENUE & UNIVERSITY STREET

REVISIONS

CHECKED BY:  
ISSUE DATE: 2014.08.01  
PROJECT NO.: 11045

EXISTING HEATING  
WATER  
SCHEMATIC

DM607