#### PROJECT INFORMATION

BUILDING OWNER: UNIVERSITY OF OREGON CAMPUS PLANNING, DESIGN & CONSTRUCTION 1276 UNIVERSITY OF OREGON EUGENE. OR 97403-1276

ARCHITECT: KEVIN SPAHN PH: (541) 346-8238 EMAIL: spahn@uoregon.edu

PROJECT MANAGER: GLEN MACDONALD PH: (541) 346-2281 EMAIL: glenm@uoregon.edu

#### PROJECT DESCRIPTION

#### SCOPE OF WORK

PROVIDE DESIGN AND CONSTRUCTION SERVICES FOR THE REMODEL OF THE DEPARTMENT OF BIOLOGY MAIN OFFICE AND ADVISING SPACES

#### ABATEMENT:

ANY NECESSARY ABATEMENT OF HAZARDOUS MATERIALS IN THE AFFECTED SPACES TO BE COMPLETED BY OWNER PRIOR TO THE COMMENCEMENT OF THIS PROJECT

#### MEP SCOPE NOTE:

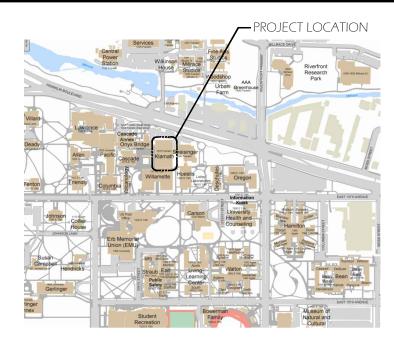
DRAWINGS SHOW DESIGN INTENT FOR REMODELED PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEMS. ANY ADDITIONAL DRAWINGS, CALCULATIONS, OR DOCUMENTATION REQUIRED FOR PLUMBING, MECHANICAL, OR ELECTRICAL PERMITS TO BE DESIGN BUILD BY SUB-CONTRACTORS.

#### SPRINKLER/FIRE ALARM NOTE:

DESIGN AND INSTALLATION OF ADDITIONAL SPRINKLERS AND MODIFICATION OF EXISTING FIRE ALARM SYSTEM IN REMODELED SPACE, PER CODE REQUIREMENTS, TO BE BY CONTRACTOR. CONTRACTOR TO BE RESPONSIBLE FOR ANY NECESSARY CALCULATIONS OR PERMITTING REQUIRED FOR SPRINKLERS AND FIRE ALARM.

#### CODE SUMMARY:

- OCCUPANCY TYPE "B", EDUCATION ABOVE 12TH GRADE
- OCCUPANCY SEPARATION: NONE REQUIRED
- CONSTRUCTION TYPE IIA, FULLY SPRINKLERED

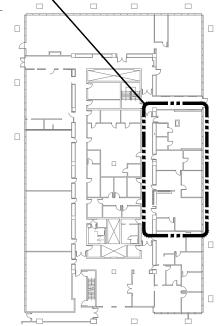




PRO JECT AREA:

KLAMATH HALL 2.431 SF

#### ARFA OF REMODEL



# VICINITY MAP

ADDRESS:

**BUILDING FOOTPRINT AREA:** 

1370 FRANKLIN BLVD. 23,860 SF

## **GENERAL NOTES:**

- 1. ALL WORK SHALL COMPLY WITH LOCAL CODES, OREGON STATE CODES, AMENDMENTS, RULES, REGULATIONS, ORDINANCES, LAWS, ORDERS, APPROVALS, ETC. THAT ARE REQUIRED BY GOVERNING AUTHORITIES. IN THE EVENT OF CONFLICT, THE MOST STRINGENT REQUIREMENTS SHALL APPLY. REQUIREMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE CURRENTLY APPLICABLE EDITIONS OR PUBLICATIONS OF THE FOLLOWING:
  - 1. 2010 EDITION OSSC
  - 2. OREGON ADMINISTRATIVE CODE
  - 3. NATIONAL FIRE PROTECTION ASSOCIATION
  - 4. STATE OF OREGON 2011 ELECTRICAL SPECIALTY CODE
  - 5. STATE OF OREGON 2011 PLUMBING SPECIALTY CODE
  - 6. STATE OF OREGON 2010 MECHANICAL SPECIALTY CODE
  - 7. STATE OF OREGON 2010 FIRE CODE
- 2. CONTRACTOR SHALL EXAMINE AND VERIFY CONDITIONS OF THE JOB SITE. ANY DISCREPANCY BETWEEN DRAWINGS AND EXISTING CONDITIONS SHOULD BE RECORDED IN WRITING AND REPORTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO COMMENCEMENT OF WORK.
- 3. ALL DIMENSIONS NOTED IN FLOOR PLANS AND SECTIONS ARE TO FINISH UNLESS NOTED OTHERWISE. NOTIFY ARCHITECT OF ANY DISCREPANCIES. OR CONFLICT PRIOR TO SUBSEQUENT WORK. DO NOT SCALE DRAWINGS.
- 5. MATERIAL CHOICES, FIXTURES, ADHESIVES, AND FINISHES NOT SPECIFIED SHALL BE PRE-APPROVED BY OWNER AND ARCHITECT.
- 6. ALL CHANGE ORDERS SHALL BE WRITTEN AND SHALL BE APPROVED BY ARCHITECT AND OWNER PRIOR TO EXECUTION OF WORK.
- 7. WOOD IN CONTACT WITH CEMENT OR MASONRY SHALL BE PRESSURE
- 8. PROVIDE ACCESS TO CONCEALED VALVES, DAMPERS, CONTROLS, ELECTRONIC JUNCTION BOXES, ETC. OBTAIN ARCHITECTS APPROVAL IN LOCATING ACCESS DOORS PRIOR TO INSTALLING.
- 9. PIPING, CONDUIT, ROUGH-IN AND SIMILAR WORK SHALL BE CONCEALED UNLESS NOTED OTHERWISE.
- 10. SITE TO BE BROOM CLEANED AT END OF DAY DAILY.

#### DRAWING INDEX

FP001

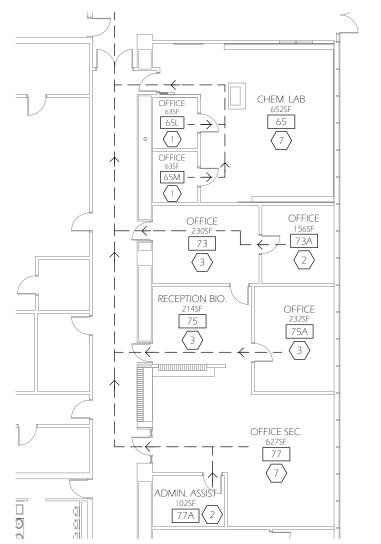
COVER, VICINITY MAP, INDEX CODE ANALYSIS G002 FLOOR PLAN - DEMO A001 REFLECTED CEILING PLAN - DEMO A002 A101 FLOOR PLAN - NEW WORK A102 REFLECTED CEILING PLAN - NEW WORK A301 INTERIOR ELEVATIONS A501 DETAILS M001 MECHANICAL PLAN - DEMO M101 MECHANICAL PLAN - NEW WORK F001 ELECTRICAL PLAN - DEMO E002 ELECTRICAL REFLECTED CEILING PLAN - DEMO E101 ELECTRICAL PLAN - POWER - NEW WORK E102 ELECTRICAL PLAN - LIGHTING - NEW WORK E103 **ELECTRICAL SCHEDULES** P001 PLUMBING PLAN - DEMO

FIRE PROTECTION PLAN - DEMO/NEW WORK

**BIDDING SET** 

General Note ESTERED ARCHITECTURE REVIN SPAHN CO FUGENE, OREGON OF ORES **OF OREGON** UNIVERSITY SHEET TITLE PROJECT NAME: KLAMATH 65 BIOLOGY KLAMATH HALL SUITE 65-77A ROJECT NO.: CP14-040 03/11/2014 SP/GTW/MNL AS NOTED G00

KEY PLAN - GROUND FLOOR



#### **EXISTING LAYOUT**

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



# CODE SUMMARY

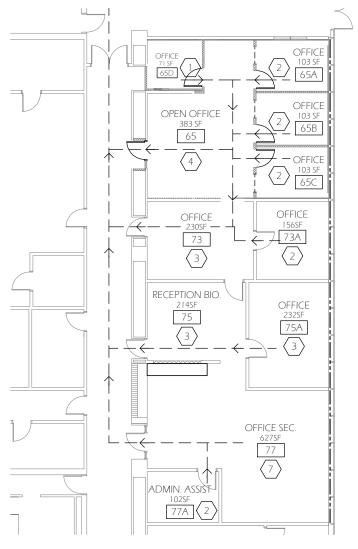
BUILDING OCCUPANCY
B - EDUCATION ABOVE THE 12TH GRADE (304.1)

CONSTRUCTION TYPE
IIA / FULLY SPRINKLERED

AUTOMATIC SPRINKLER SYSTEM NFPA 13

OSSC 2010 CODE ANALYSIS INFORMATION

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS BASE ALLOWABLE PER IIA CONSTRUCTION B OCCUPANCY - 6 FLOORS / 37,500 MAX PER FLOOR



PROPOSED LAYOUT

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

N

#### ACTUAL FLOORS / AREA:

5 FLOORS + BASEMENT / 26,480 SF PER FLOOR THIS IS WITHIN ALLOWABLE WITHOUT TAKING INTO ACCOUNT SPRINKLER OR FRONTAGE INCREASES. PROJECT INCLUDES NO BUILDING SQUARE FOOTAGE INCREASE.

#### CHAPTER 6 - TYPES OF CONSTRUCTION

TYPE IIA CONSTRUCTION PER TABLE 601
STRUCTURAL FRAME
BEARING WALLS EXT.
BEARING WALLS INT.
NON BEARING EXTERIOR WALLS
SEE TABLE 602

NON BEARING INTERIOR WALLS

FLOOR ASSEMBLIES

2 HR

ROOF ASSEMBLIES 2 HR

#### (CONTINUATION)

NOTE: ALL PROPOSED NEW CONSTRUCTION IS INTERIOR, NON BEARING WALLS. PENETRATIONS AT FLOORS AND ROOF TO BE FIRE STOPPED PER REQUIRED RATING OF ASSEMBLY

# CHAPTER 7 - FIRE RESISTANCE-RATED CONSTRUCTION

708 FIRE PENETRATIONS

EXISTING 1 HOUR RATED CORRIDOR WALLS (FIRE PARTITIONS). TO BE REPLACED WITH NEW 1 HOUR RATED CONSTRUCTION WHERE REMOVED.

#### 713 FIRE RESISTANT JOINT SYSTEMS

JOINTS IN OR BETWEEN FIRE RESISTANT RATED WALLS, FLOOR OR FLOOR / CEILING ASSEMBLIES AND ROOFS SHALL BE PROTECTED BY AN APPROVED FIRE RESISTANT JOINT SYSTEM WITH A RATING OF NOT LESS THAN THAT OF THE ASSEMBLY IN WHICH IT IS INSTALLED 717 CONCEALED SPACES

717.2.2 FIRESTOPPING REQUIRED IN SPACES OF STUD WALLS AND FURRED WALLS AT CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.

717.3.3 DRAFTSTOPPING IN FLR/CLG ASSEMBLIES IS NOT REQUIRED IF SPRINKLERED TO NFPA 13

#### CHAPTER 8 - INTERIOR FINISHES

IN ACCORDANCE WITH OCCUPANCY AND CONSTRUCTION TYPE

CHAPTER 9 - FIRE PROTECTION SYSTEMS
PROJECT AREA TO BE FULLY SPRINKLERED. ALL WORK TO BE IN ACCORDANCE WITH NFPA 13.

#### CHAPTER 10 - MEANS OF EGRESS

OCCUPANT LOAD TABLE 1004.1.1

B OCCUPANT LOAD - LABORATORY, OFFICE AND SUPPORT SPACES: 2,431 SF / 100 SF OCCUPANT LOAD FACTOR = 24 OCCUPANTS M1014.3 COMMON PATH OF EGRESS TRAVEL

SHALL NOT EXCEED 75', BUT EXCEPTION #1 APPLIES TO B AND S OCCUPANCY TO ALLOW 100' MAX' WHEN SPRINKLERED TO NFPA 13. SEE DIAGRAMS FOR ILLUSTRATIONS OF LONGEST COMMON PATH IN PROJECT AREA.

#### 1015.1 EXIT AND EXIT ACCESS DOORWAYS

NEW LAB PROJECT AREA PROVIDED WITH TWO EXITS. TABLE 1015.1 ALLOWS 1 MEANS OF EGRESS FOR OCCUPANT LOAD OF 49 OR FEWER. 1016.1 EXIT ACCESS TRAVEL DISTANCE

TABLE 1016.1 WITH SPRINKLER INCREASE ALLOWS WITH FOLLOWING: B 300'

ACTUAL DISTANCES ARE UNDER 150'

1017.1 CORRIDORS

CORRIDORS ARE 1 HOUR RATED CONSTRUCTION

#### CHAPTER 11 - ACCESSIBILITY

1 106 BUILDING ACCESSIBILITY, NEW CONSTRUCTION

NEW CONSTRUCTION TO BE IN ACCORDANCE WITH ACCESSIBILITY REQUIREMENTS.

1 108 FACILITY ACCESSIBILITY

BUILDING HAS EXISTING ACCESSIBLE ENTRY, ELEVATORS AND BATHROOMS

#### CHAPTER 24 - GLAZING

SECTION 2406 NOTES SAFETY GLAZING REQUIREMENTS

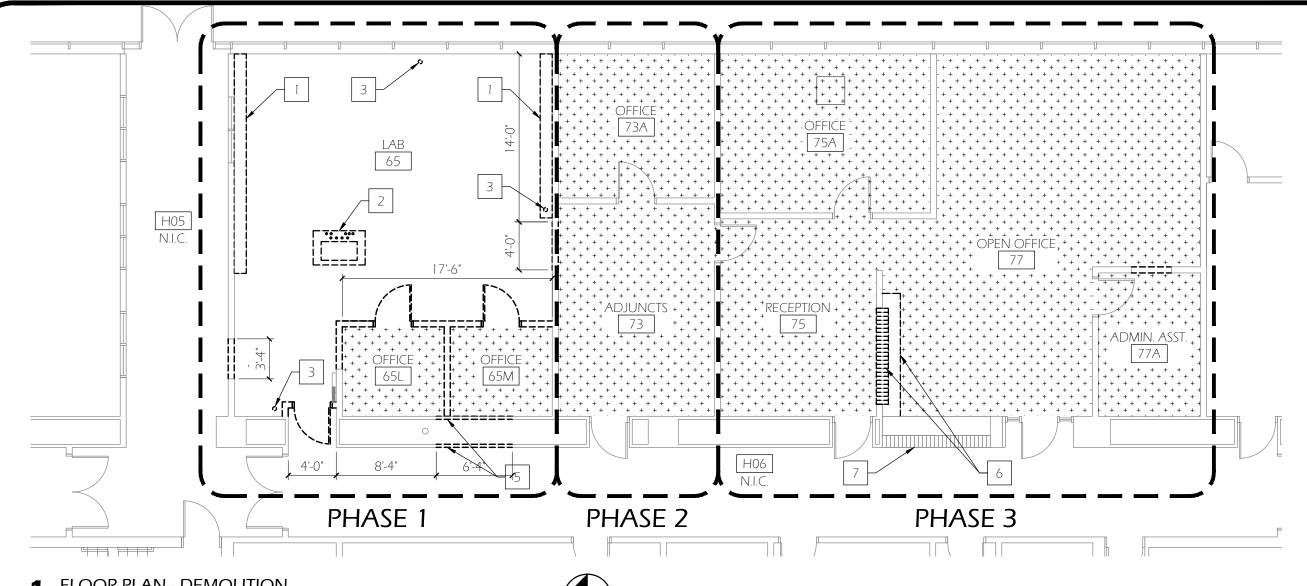
UFC CHAPTER 9, 906 FIRE EXTINGUISHERS

EXTINGUISHER TO BE PROVIDED PROXIMATE TO EACH EXIT FROM LAB PROJECT AREA



AS NOTED

G00



# FLOOR PLAN - DEMOLITION

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

#### **GENERAL NOTES**

- 1. PROTECT & PRESERVE ADJACENT (E) FINISHES TO REMAIN FROM DAMAGE CAUSED BY DEMOLITION & CONSTRUCTION. CONTRACTOR TO REPAIR INCIDENTAL DAMAGE AT OWN EXPENSE.
- 2. AT ALL LOCATIONS WHERE EXPOSED LABORATORY PIPING & PLUMBING EXISTS, DECOMMISSION & CUT/CAP/REMOVE WHEN POSSIBLE
- 3. DEMO & SALVAGE ALL (E) LIGHT FIXTURE IN LAB 65
- 4. REMOVE EXISTING BLINDS IN RMS. 65, 73A, 75A AND 77
- 5. SEE SPEC 01 1000 SUMMARY FOR PROJECT PHASING

# **DEMO PLAN KEYED NOTES**

- WOOD SHELVING, BRACKETS AND WALL MOUNTED SUPPORTS TO BE REMOVED
- SINK, PIPES AND ASSOCIATED BASE CABINET TO BE **REMOVED**
- EXISTING CONDUIT TO BE REMOVED BY ELECTRICAL CONTRACTOR
- NOT USED
- SELECTIVE DEMOTION OF EXISTING WALL STUDS FOR INSTALLATION OF NEW DOOR AND FRAME
- REMOVE EXISTING MAIL STORAGE CASEWORK AND COUNTER
- EXISTING SIGNAGE AND MAIL BOXES TO REMAIN

# **LEGEND**

EXISTING WALL TO REMAIN

EXISTING WALLS AND DOORS TO BE REMOVED UP TO STRUCTURE ABOVE UNLESS NOTED OTHERWISE

EXISTING CARPET AND BASE TO BE REMOVED



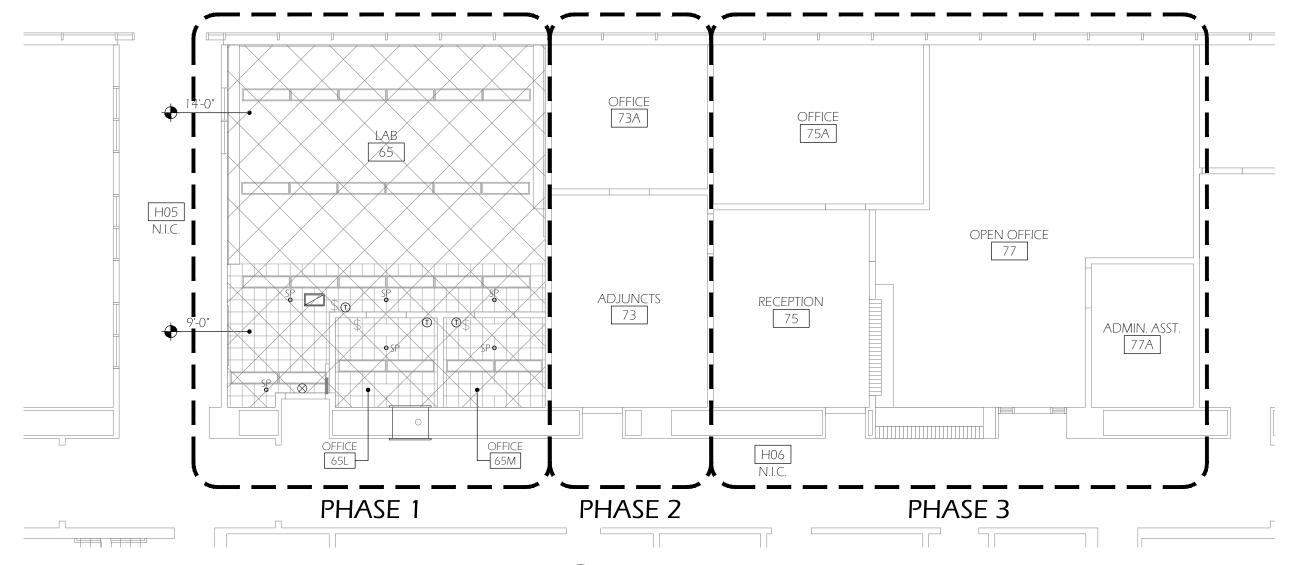
SUITE 65-77A

03/11/2014

HECKED/DRAWN BY: SP/GTW/MNL

AS NOTED

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DEMOLITION REFLECTED CEILING PLAN

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

# **GENERAL NOTES**

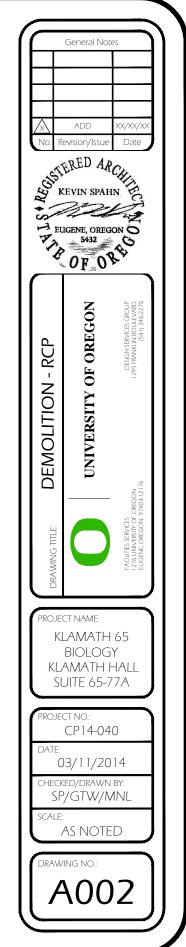
- PROTECT AND PRESERVE ADJACENT FINISHES
   TO REMAIN FROM DAMAGE CAUSED BY
   DEMOLITION AND CONSTRUCTION.
   CONTRACTOR TO REPAIR INCIDENTAL
   DAMAGE AT OWN EXPENSE.
- 2. SEE SPEC 01 1000 SUMMARY FOR PROJECT PHASING

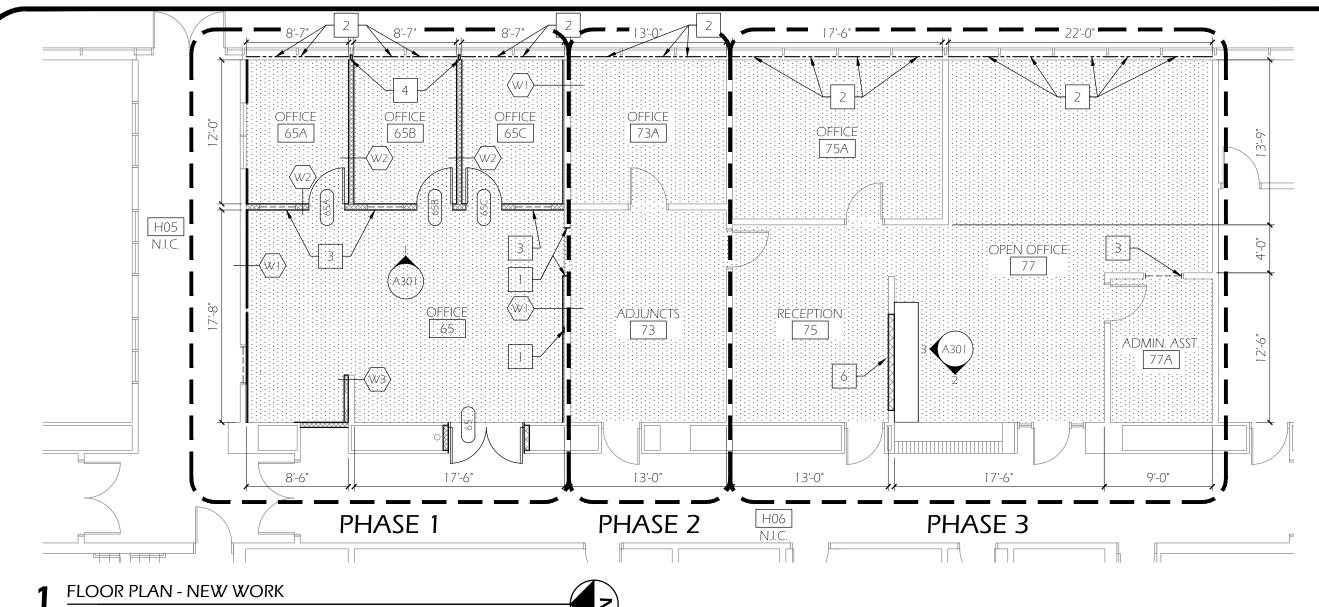
# LEGEND

- ⊗ EXISTING FIRE ALARM
- SWITCH, SINGLE POLE
- EXISTING THERMOSTAT
- Z EXISTING RETURN GRILLE
- SPRINKLER HEAD



DEMO EXISTING CEILING GRID. REFER TO MEP SHEETS FOR ASSOCIATED WORK





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

# **GENERAL NOTES**

- 1. PROTECT & PRESERVE ADJACENT (E) FINISHES TO REMAIN FROM DAMAGE CAUSE BY DEMOLITION & CONSTRUCTION. CONTRACTOR TO REPAIR INCIDENTAL DAMAGE AT OWN EXPENSE.
- 2. PATCH, PRIME AND PAINT NEW AND EXISTING WALLS IN ENTIRE SUITE OF ROOMS UNDER NEW PROJECT SCOPE.
- 3. SEE SPEC 01 1000 SUMMARY FOR PROJECT PHASING

# FLOOR PLAN KEYED NOTES

- PATCH/REPAIR/PAINT WALL TO MATCH ADJACENT SURFACE. INFILL WITH GWB TO MATCH ADJOINING THICKNESS; TAPE, SAND, PRIME AND PAINT
- NEW METAL SLOT BLINDS
- NEW TRANSOM FRAME F-2, SEE INTERIOR ELEVATIONS AND SHEET A501
- CENTER NEW WALL ON MULLION
- NEW ONE-HOUR RATED FRAME F-3. SEE SHEET a501
- REINSTALL EXISTING MAILBOXES, INFILL EXISTING WALL 6 TO MATCH ADJACENT FINISH

#### **LEGEND**



NEW CARPET: INTERFACE FLOR. SCALE 7776 TO BE SELECTED BY ARCHITECT



NEW DOOR AND FRAME, SEE A501



WALL TYPE 1, FURR OUT EXISTING WALL WITH  $\frac{7}{8}$ " HOT CHANNEL, ONE LAYER §" GWB



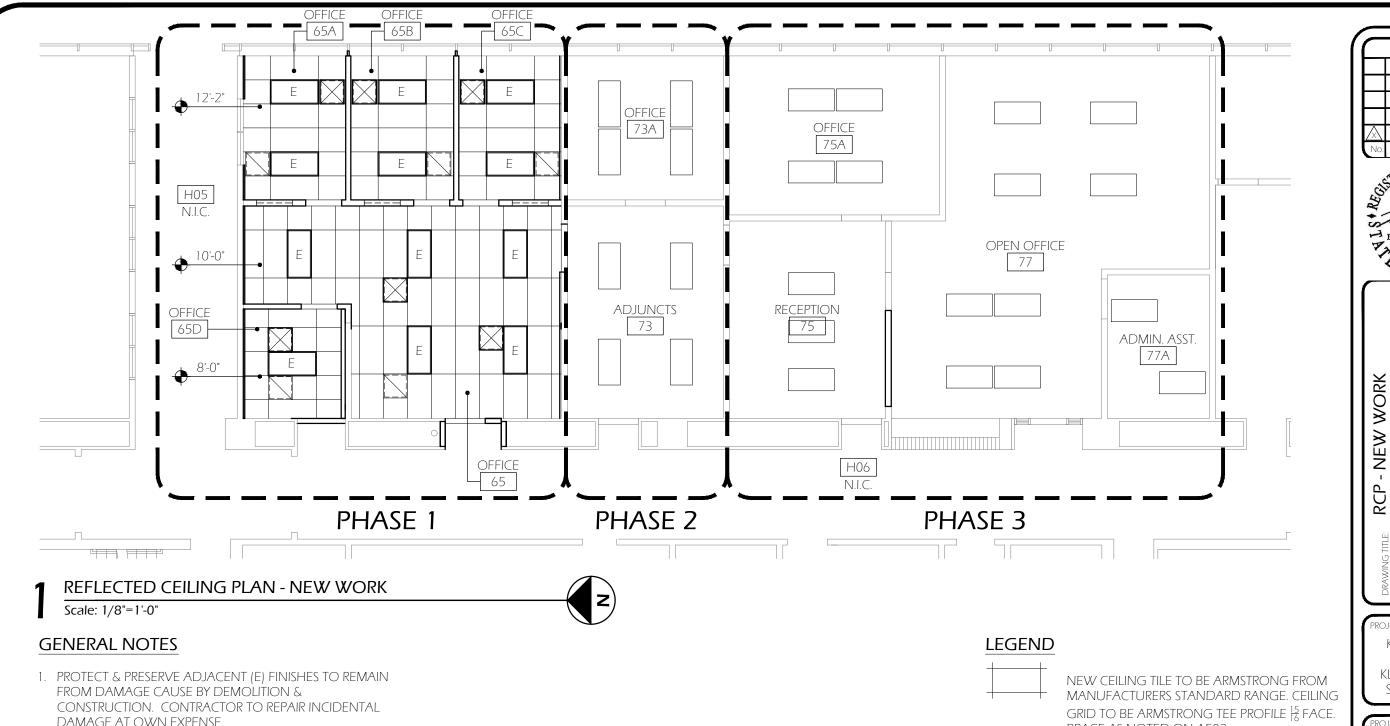
WALL TYPE 2, 3\frac{5}{8}" METAL STUDS @ 16" O.C. UP TO STRUCTURE ABOVE WITH §" GWB BOTH SIDES, ACOUSTIC INSULATION ENTIRE WALL CAVITY

 $\langle W3 \rangle$ 

WALL TYPE 3, FURR OUT EXISTING WALL TO ALLOW INSTALLATION OF NEW GWB FINISH. TO BE FLUSH WITH FACE OF EXISTING ELECTRICAL PANEL



A10



DAMAGE AT OWN EXPENSE.

2. INSTALL EXTRA GRID WIRES MARKED FOR "J" HOOK INSTALLATION FOR LOW VOLTAGE PATHWAY TO SLEEVE IN ROOM 65. 4' MAXIMUM SPACING. COORDINATE LOCATION WITH UO NTS.

3. SEE SPEC 01 1000 - SUMMARY FOR PROJECT PHASING

BRACE AS NOTED ON A502

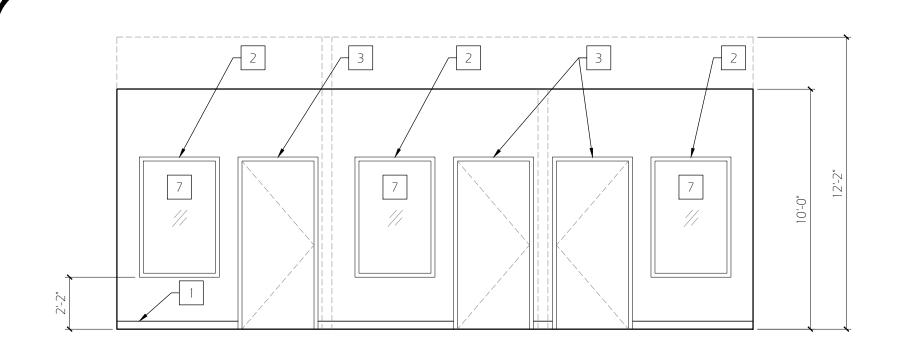
NEW LIGHT FIXTURE "E", SEE E 102

NEW SUPPLY GRILL

NEW RETURN GRILL

General Notes SON KEVIN SPAHN EUGENE, OREGON OF OF ORE RCP PROJECT NAME: KLAMATH 65 BIOLOGY KLAMATH HALL SUITE 65-77A PROJECT NO.: CP14-040 03/11/2014 CHECKED/DRAWN BY: SP/GTW/MNL

AS NOTED



PLAN KEYED NOTES

NEW 4" RUBBER BASE, BURKE 523 BLACK BROWN

2 FRAME F-1, SEE A501. INCLUDE DARKENING SHADE

3 | FRAME F-2, SEE A501

EXISTING MAILBOXES TO REMAIN

5 NEW GWB WITH NEW METAL 3-5/8" METAL STUDS @ 16" O.C.

6 NEW CASEWORK

7 NEW MINI BLIND AT WINDOW

1 OPEN OFFICE 65 A301 Scale: 1/2" = 1'-0"

TO BE ISSUED WITH ADDENDUM 1

TO BE ISSUED WITH ADDENDUM 1

General Notes ADD STERED ARCHITE ELIGENE, OREGON O OF OREGON INTERIOR ELEVATIONS PROJECT NAME: KLAMATH 65 BIOLOGY KLAMATH HALL SUITE 65-77A CP14-040 03/11/2014 SP/GTW/MNL AS NOTED A30

OPEN OFFICE 77

A301 Scale: 1/2" = 1'-0"

3 **OPEN OFFICE 77**A301 Scale: 1/2" = 1'-0"

# ROOM FINISH SCHEDULE

RM. NO.	ROOM NAME	FLOOR		BASE	NORTH EAST		SOUTH		WEST		CEILING		DEMARKS					
		MAT.	NOTE	MAT.	WALL ELEV.	PAINT	NOTE	WALL ELEV.	PAINT NOTE	WALL ELEV.	PAINT	NOTE	WALL ELEV.	PAINT	NOTE	FINISH	HEIGHT	REMARKS
65	OPEN OFFICE	CN		R	-/-	P1		-/-	P1	-	P1		-	P1		ACT	10'-0"	
65A	OFFICE	CN		R	-	P1	1	-/-	P1	-	P1		-	P2		ACT	12'-2"	
65B	OFFICE	CN		R	-	P1	1	-	P1	-	P1		-	P3		ACT	12'-2"	
65C	OFFICE	CN		R	-	P1	1	-/-	P4	-	P1		-	P1		ACT	12'-2"	
65D	OFFICE	CN		R	-	P1		-/-	P1	-	P5		-	P1		ACT	8'-0"	
73	OFFICE	CN		R	-	P1		-/-	P1	-	P1		-	P1		Е		
73A	OFFICE	CN		R	-	P1	1	-/-	P6	-	P1		-	P1		Е		
75	RECEPTION	CN		R	-	P1		-/-	P1	-	P1		-	P1		Е		
75A	OFFICE	CN		R		P1	1		P1		P1			P7		Е		
77	OFFICE	CN		R	-	P1	1	-/-	P8	- /-	P1		- /-	P1		Е		
77A	OFFICE	CN		R	-	P1		-	P9	-	P1		- /-	P1		Е		

#### DOOR SCHEDULE

DOOR			FRAME			DOOR		HARDWARE	NOTES
NO.	NAME	TYPE	FINISH	RATING	TYPE	FINISH	RATING		110125
65	OPEN OFFICE	F-4	Р	1-HR	D-1 (2)	S	1-HR	GROUP 2	
65A	OFFICE	F-1	Р	-	D-1	S	-	GROUP 2	
65B	OFFICE	F-1	Р	-	D-1	S	-	GROUP 2	
65C	OFFICE	F-1	Р	-	D-1	S	-	GROUP 2	
65D	CONFERENCE	F-1	Р	-	D-2	S	-	GROUP 2	

# **GENERAL NOTES**

- 1. DOOR HARDWARE SUPPLIED BY UO LOCKSHOP, INSTALLED BY G.C.
- 2. HARDWARE TYPES: GROUP 1 PANIC/EXIT HARDWARE GROUP 2 OFFICE FUNCTION

# ROOM FINISH LEGEND

- GENERAL BASE COLOR E EXISTING
- P2 OFFICE ACCENT CE CARPET, EXISTING
  P3 OFFICE ACCENT CN CARPET, NEW
  P4 OFFICE ACCENT R RUBBER BASE, NEW
- P5 OFFICE ACCENT P6 OFFICE ACCENT P7 OFFICE ACCENT
- P8 OFFICE ACCENT P9 OFFICE ACCENT

KLAMATH 65 BIOLOGY KLAMATH HALL SUITE 65-77A

CP14-040

03/11/2014

CHECKED/DRAWN BY: SP/GTW/MNL

General Note:

STERED ARCHITECTURE REVIN SPAHN FOR

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UNIVERSITY OF OREGON

ROOM/DOOR FINISH

scale: AS NOTED

A50

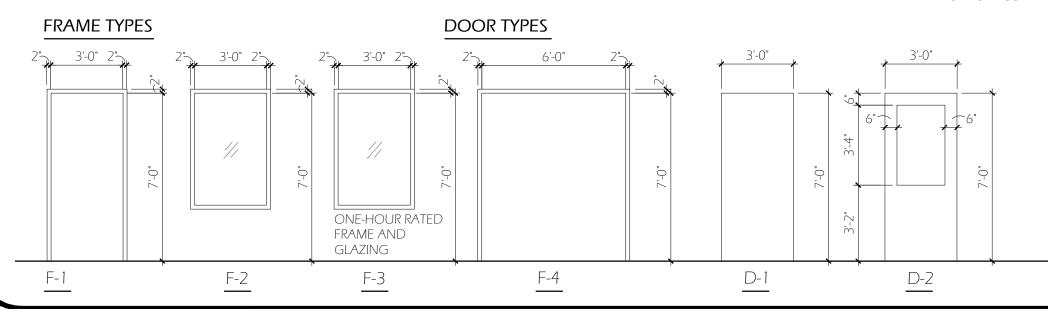
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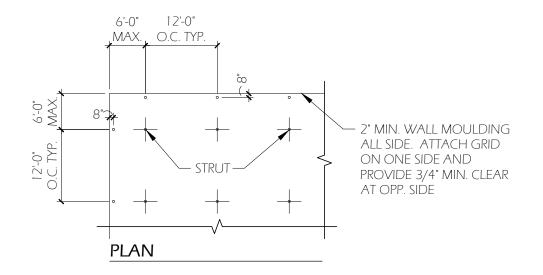
# DOOR SCHEDULE LEGEND

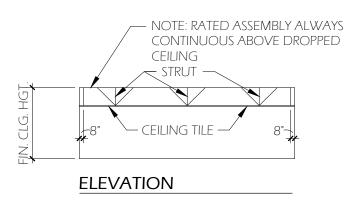
P PAINT S STAIN

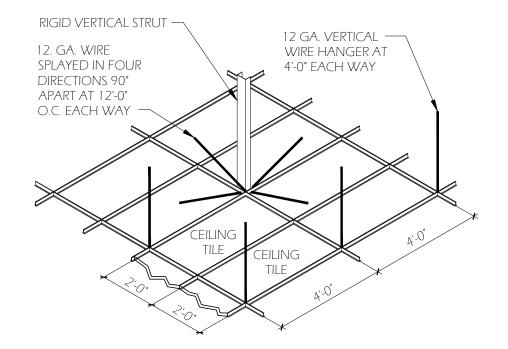
# **KEYED NOTES**

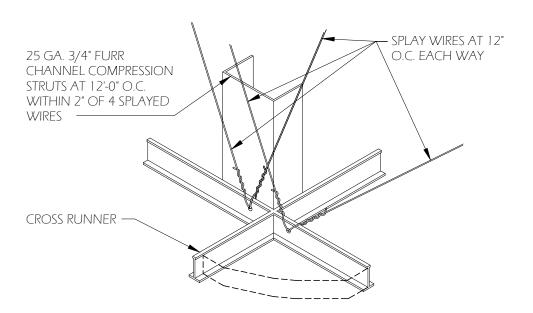
PAINT INSULATED PANELS UNDER WINDOW







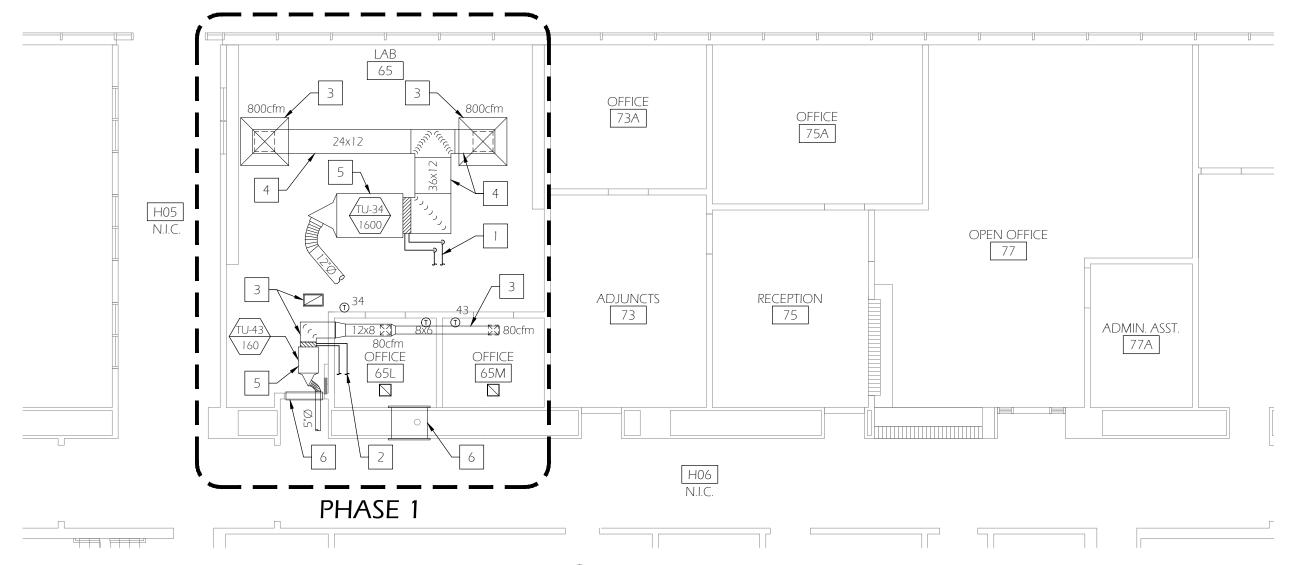




- 1. SUSPENDED CEILING S TO COMPLY WITH OSSC REQUIREMENTS AND OREGON BULLETIN 401.
- 2. BULLETIN 401 IS AVAILABLE FROM NORTHWEST WALL AND CEILING BUREAU.
- 3. PROVIDE SPREADER BARS AT PERIMETER WALLS PER BULLETIN 401
- 4. PROVIDE SEISMIC SEPARATION JOINT FOR CEILING AREAS OVER 2500 SF
- 5. SPRINKLER HEAD PENETRATIONS SHALL ALLOW 1" OF FREE MOVEMENT FOR THE SPRINKLER HEAD. THIS MAY BE PROVIDED BY FLEXIBLE HEAD DESIGN OR OVERSIZE RING OR SLEEVE.
- 6. VERTICAL STRUTS FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURE MEMBER SUPPORTING THE ROOF/CEILING ABOVE. THE STRUT SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY BRACING WIRES.
- 7. THESE HORIZONTAL RESTRAINTS SHALL BE PLACED 12'-0" IN BOTH DIRECTIONS WITH THE FIRST POINT WITHIN 6'-0" FROM WALL.
- 8. RIGID VERTICAL STRUTS MAY BE STEEL, BLACK IRON, EMT OR OTHER APPROVED CONSTRUCTION.
- 9. PROVIDE 12 GA. WIRE HANGERS AT ALL FOUR (4) CORNERS OF EACH LIGHT FRAME.

# General Note: STERED ARCHITECTURE REVIN SPAHN EUGENE, OREGON S OF ROOM/DOOR KLAMATH 65 BIOLOGY KLAMATH HALL SUITE 65-77A CP14-040 03/11/2014 SP/GTW/MNL AS NOTED DRAWING NO.: A502

TYPICAL SUSPENDED CEILING DETAIL



# MECHANICAL PLAN - DEMOLITION

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

## **GENERAL NOTES**

- 1. PROTECT & PRESERVE ADJACENT (E) FINISHES TO REMAIN FROM DAMAGE CAUSED BY DEMOLITION & CONSTRUCTION. CONTRACTOR TO REPAIR INCIDENTAL DAMAGE AT OWN EXPENSE.
- 2. (E) EQUIPMENT, FURNITURE & FIXTURES TO BE REMOVED & SALVAGED WHEN POSSIBLE.
- 3. U.O. TO PROVIDE PRE-CONSTRUCTION AIR BALANCE THROUGH AIR INTRODUCTION AND REGULATION
- 4. SEE SPEC 01 1000 SUMMARY FOR PROJECT PHASING



# **DEMO PLAN KEYED NOTES**

- 1 EXISTING 1" HWS/R TO REMAIN
- 2 EXISTING 3/4" HWS/R TO REMAIN
- 3 REMOVE EXISTING DUCTWORK AND DIFFUSERS
- EXISTING DUCTWORK TO REMAIN. COVER AND SEAL REMOVED BOTTOM TAPS.
- REMOVE TU AND REHEAT COIL FOR CLEANING.
  RESEAL TU UPON REASSEMBLY AND REINSTALL
- EXISTING 36 ½" x 8" RETURN AIR OPENING ABOVE CEILING. CONTRACTOR TO FIELD VEFIFY

#### **LEGEND**



EXISTING SUPPLY DIFFUSER TO BE REMOVED

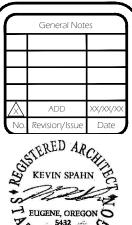


EXISTING RETURN DIFFUSER TO BE REMOVED

1

EXISTING THERMOSTAT TO BE RELOCATED

EXISTING REHEAT COIL



MECHANICAL PLAN - DEMO
UNIVERSITY OF OREGON

DRAWING TITLE: TOTAL

FACULIESSENYES

FACULIES

PROJECT NAME:

KLAMATH 65 BIOLOGY KLAMATH HALL SUITE 65-77A

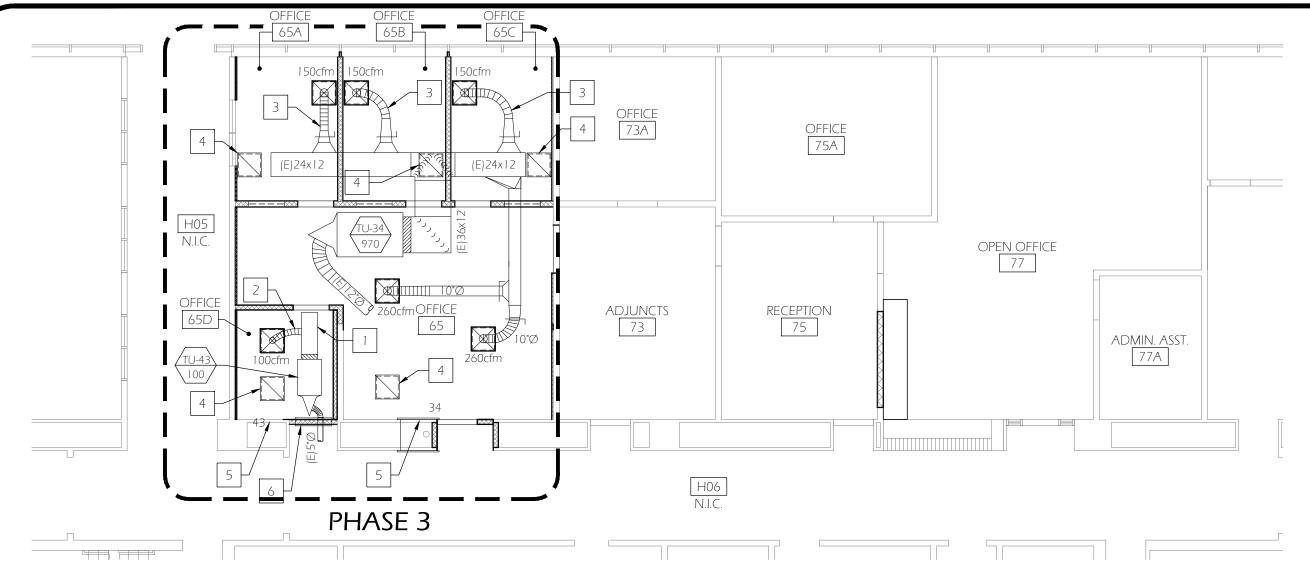
PROJECT NO.: CP14-040

DATE: 03/11/2014

CHECKED/DRAWN BY: SP/GTW/MNL

scale: AS NOTED

RAWING NO.:



MECHANICAL PLAN - NEW WORK

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

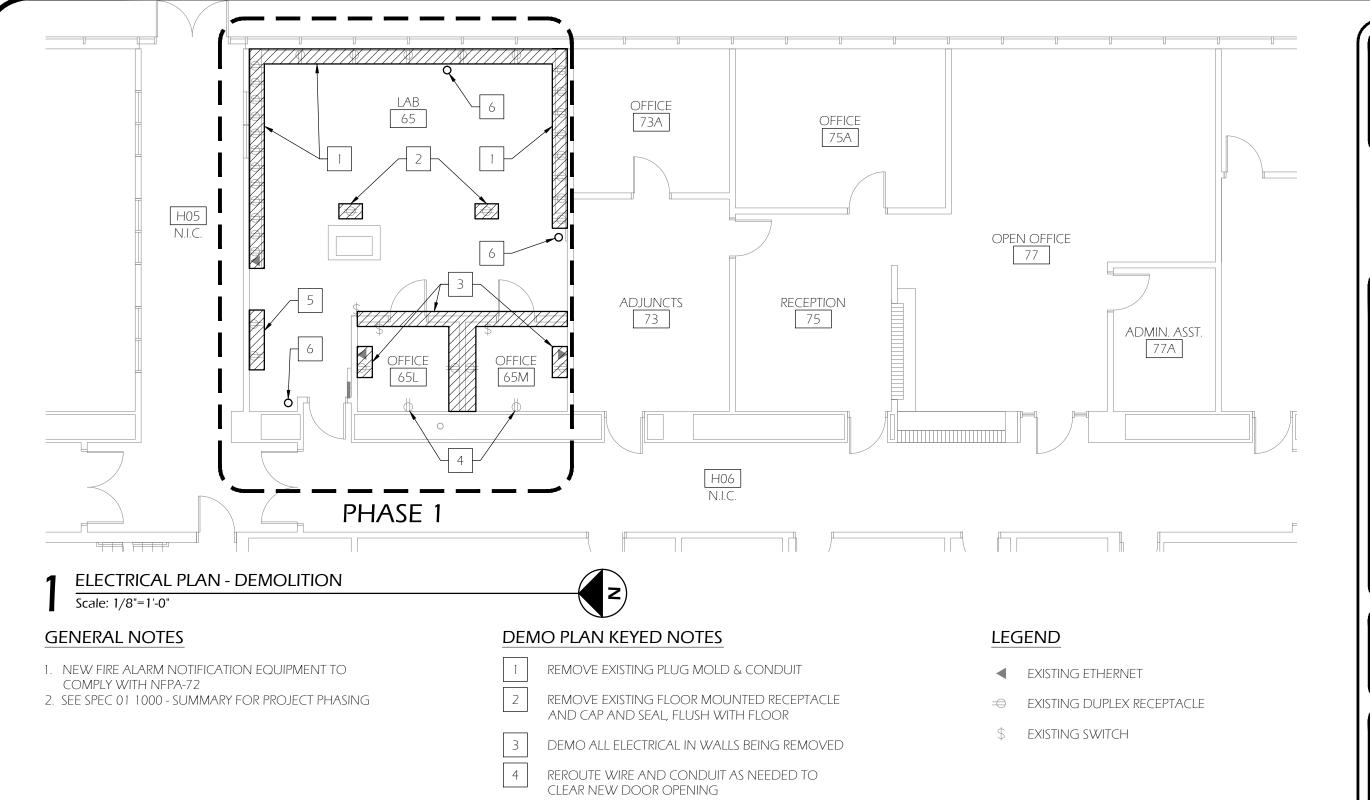
## **GENERAL NOTES**

- 1. CONSTRUCT AND INSTALL DUCT WORK TO SMACNA GUIDELINES.
- 2. PRIOR TO PUTTING REHEAT COILS BACK INTO SERVICE, FLUSH HWS/R BRANCH PIPING AND CLEAN STRAINER SCREEN.
- 3. NEW SUPPLY DIFFUSERS TO BE TITUS OR EQUAL #PAS WITH 24x24 FACE FOR LAY-IN CEILING. NO OPPOSED BLADE DAMPERS. ROUND NECK SIZE TO MATCH BRANCH DUCT SIZE.
- 4. NEW RETURN GRILLES TO BE TITUS OR EQUAL #PAR WITH 24x24 FACE FOR LAY-IN CEILING. NO OPPOSED BLADE DAMPERS. 22x22 NECK SIZE.
- 5. AIR BALANCE WILL BE COMPLETED BY AIR, INC THROUGH U of O. CONTRACTOR TO INCLUDE TIME TO ASSIST IN AIR BALANCE.
- 6. COORDINATE CEILING DIFFUSERS WITH LIGHTING AND SPRINKLER HEAD LOCATIONS.
- 7. SEE SPEC 01 1000 SUMMARY FOR PROJECT PHASING

#### **DEMO PLAN KEYED NOTES**

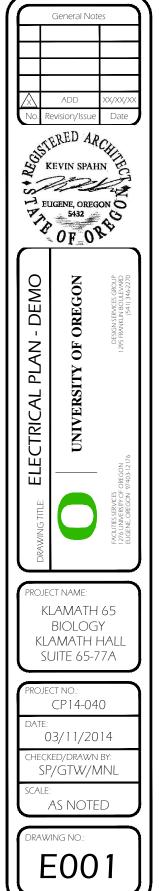
- 1 NEW DUCT TO MATCH COIL SIZE, APPROX 12x8.
- 2 NEW 6" Ø TAP AND FLEX TO CEILING DIFFUSER.
- NEW 8" Ø CONICAL TAP AND FLEX TO CEILING DIFFUSER.
- PROVIDE LINED DIFFUSER BOX WITH 20x14 MIN OPENING FOR ATTIC RETURN.
- 5 RELOCATED THERMOSTAT.
- 6 EXISTING RETURN AIR TRANSFER DUCT AND GRILLES

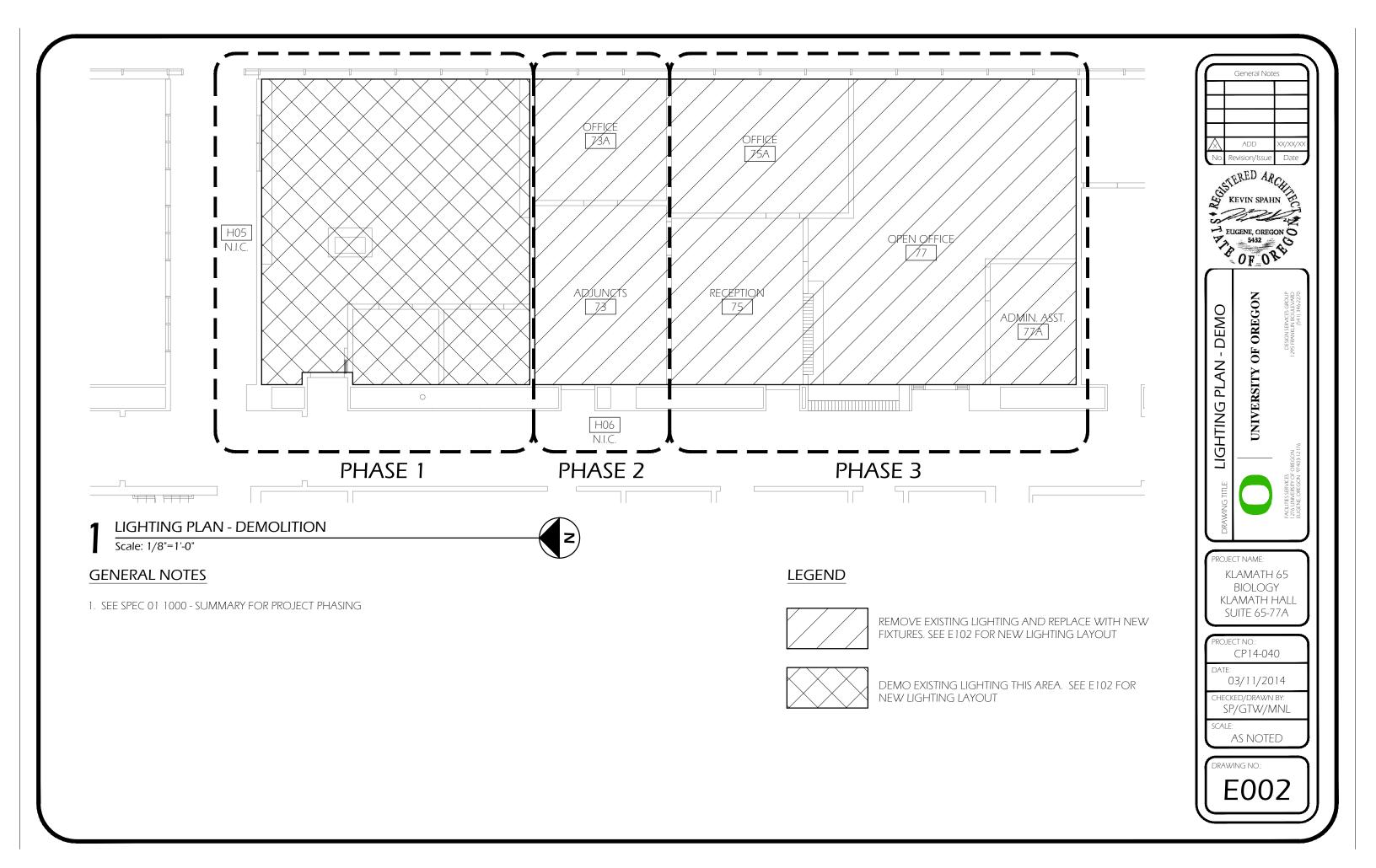


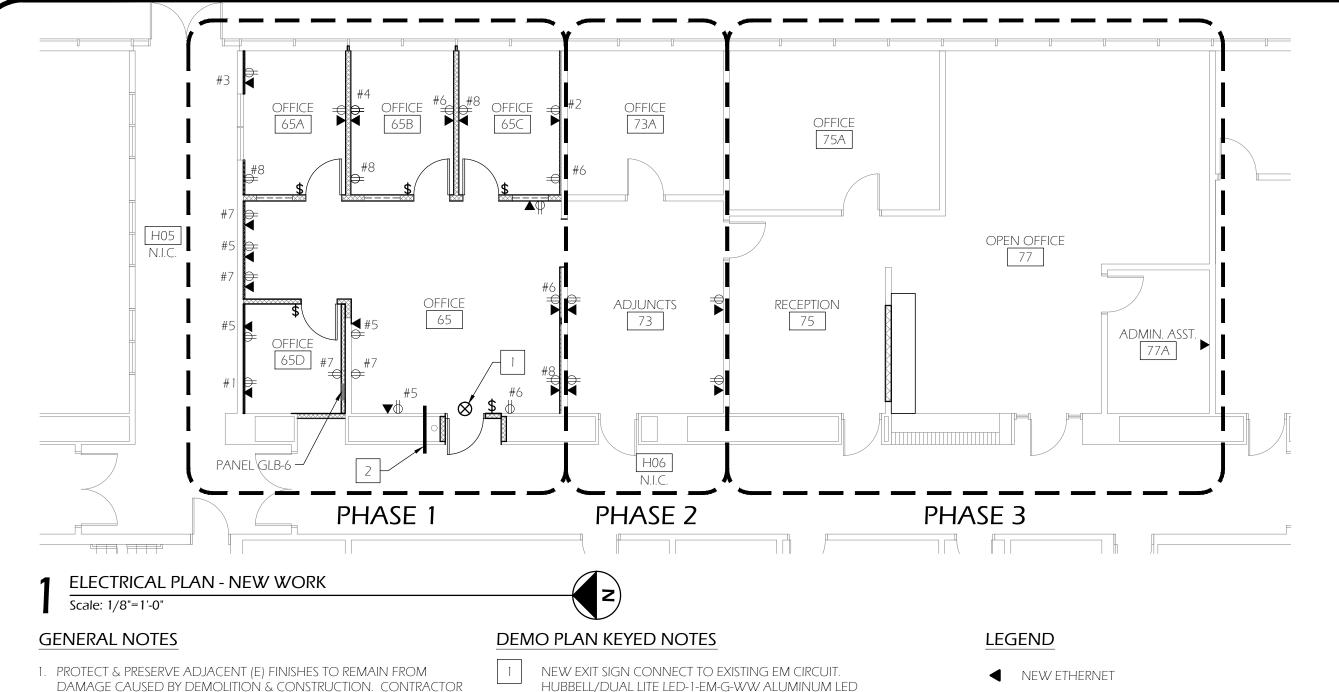


DEMO EXISTING (2) 4-PLEX RECEPTACLES HIGH ON

REMOVE EXISTING CONDUIT STUB UP. DISCONNECT FROM FIRST JOINT BELOW FLOOR AND REMOVE



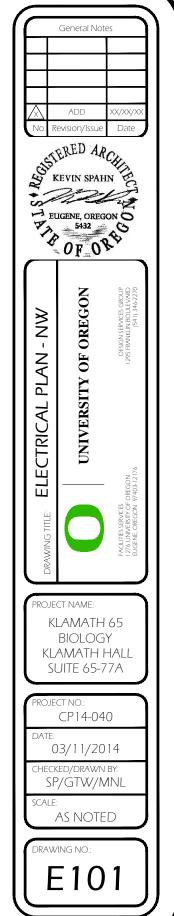


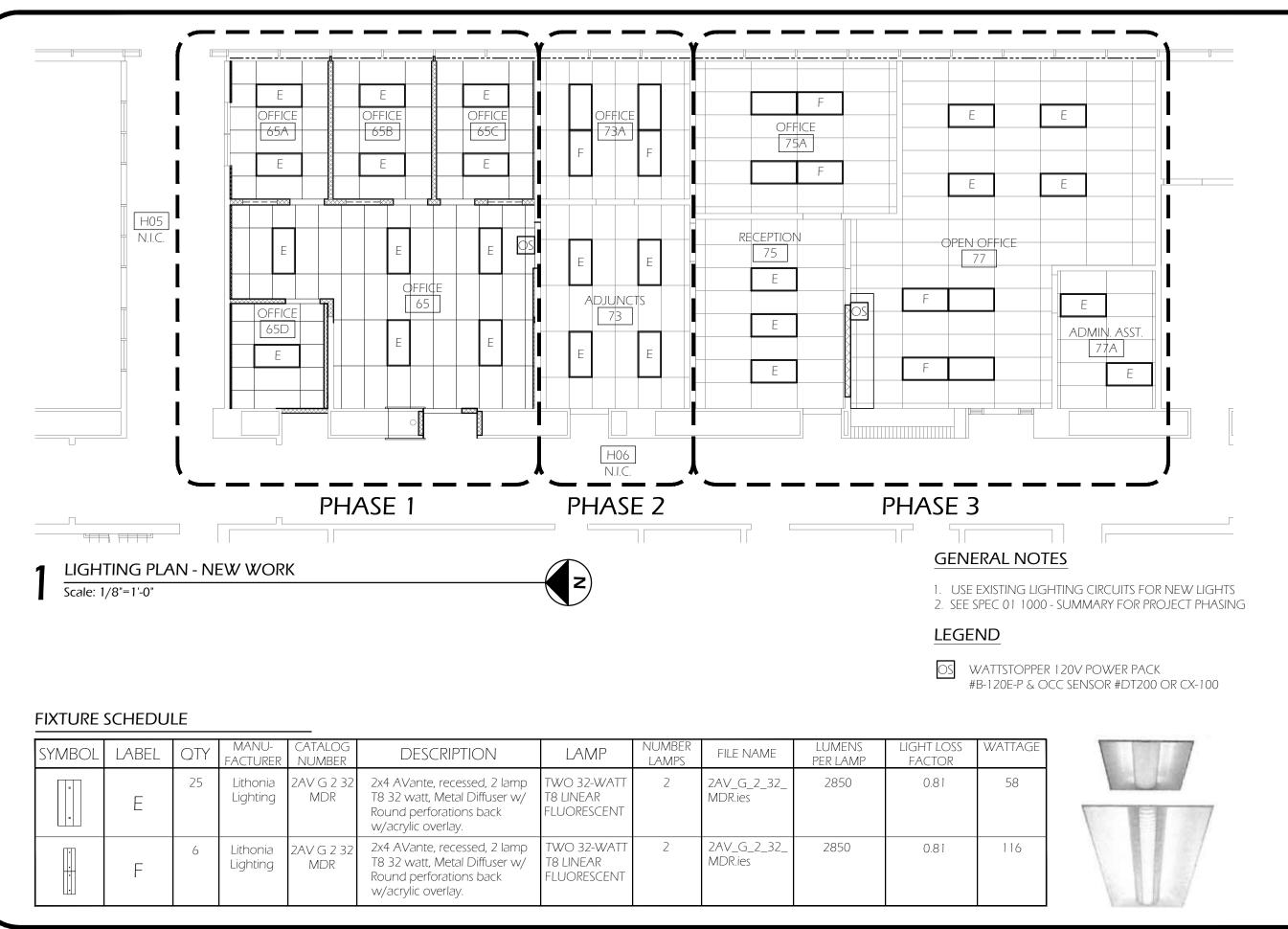


- TO REPAIR INCIDENTAL DAMAGE AT OWN EXPENSE.
- 2. (E) EQUIPMENT, FURNITURE & FIXTURES TO BE REMOVED & SALVAGED WHEN POSSIBLE.
- 3. AT ALL LOCATIONS WHERE EXPOSED LABORATORY PIPING & PLUMBING EXISTS, DECOMMISSION & CUT/CAP/REMOVE WHEN
- 4. AT NEW WALLS, INSTALL CUT-IN RINGS AND PROVIDE BUSHING AT HEADER FOR VOICE/DATA, TYPICAL
- 5. AT EXISTING WALLS, UTILIZE WM57445 BOX AND V700 RACEWAY STUBBED ABOVE CEILING, TYPICAL
- 6. INSTALL 5" BASKET TRAY (PROVIDED BY UO NTS) FROM ROOM 30 SOUTH TO ROOM 19, THEN EAST TO CORRIDOR H06. FOLLOW EXISTING LOW VOLTAGE CONDUITS. NTS WILL COMPLETE PATHWAY INSIDE ROOM 30
- 7. SEE SPEC 01 1000 SUMMARY FOR PROJECT PHASING

- INSTALL 3" CONDUIT SLEEVE ABOVE CEILING ACCESSIBLE FROM EXISTING HATCHES IN H06

- NEW DUPLEX RECEPTACLE
- **NEW SWITCH**





General Notes SISTERED ARCHITECTURE REVIN SPAHN EUGENE, OREGON OF OF ORE LIGHTING PLAN - NEW WORK OF OREGON PROJECT NAME: KLAMATH 65 BIOLOGY KLAMATH HALL SUITE 65-77A CP14-040 03/11/2014 SP/GTW/MNL AS NOTED E102

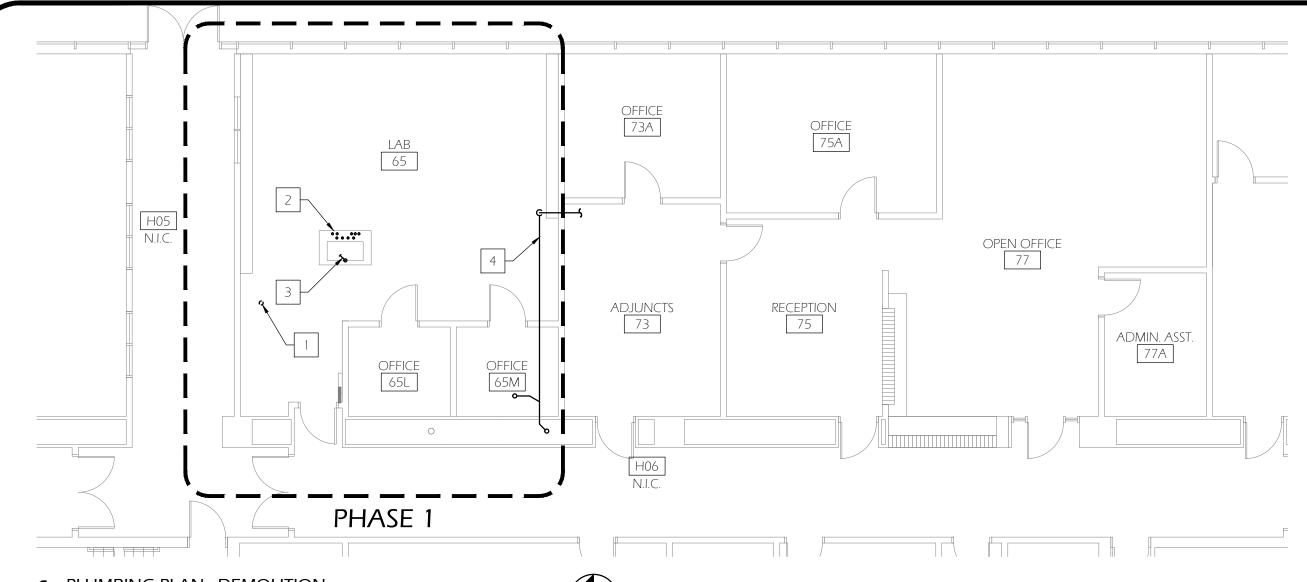
# STATISTICS

DESCRIPTION	SYMBOL	AVG	MAX	MIN
Calc Zone #65	+	28.4 fc	37.2 fc	14.5 fc
Calc Zone #65A	+	23.9 fc	26.8 fc	20.8 fc
Calc Zone #65B	+	26.7 fc	31.7 fc	20.8 fc
Calc Zone #65C	+	24.2 fc	27.0 fc	20.9 fc
Calc Zone #65D	+	23.7 fc	34.8 fc	15.9 fc
Calc Zone #73	+	30.1 fc	36.4 fc	22.7 fc
Calc Zone #73A	+	38.8 fc	46.0 fc	31.6 fc
Calc Zone #75	+	25.8 fc	34.2 fc	16.8 fc
Calc Zone #75A	+	30.5 fc	43.2 fc	19.9 fc
Calc Zone #77	+	29.7 fc	45.5 fc	11.4 fc
Calc Zone #77A	+	35.9 fc	45.2 fc	20.3 fc

# **POWER STATISTICS**

DESCRIPTION	# LUMINAIRES	TOTAL WATTS	AREA	DENSITY
Power Density Zone #65	5	290.0 W	382.4 ft²	0.8 W/ft²
Power Density Zone #65A	2	116.0 W	100.8 ft²	1.2 W/ft²
Power Density Zone #65B	2	116.0 W	100.8 ft²	1.2 W/ft²
Power Density Zone #65C	2	116.0 W	100.8 ft²	1.2 W/ft²
Power Density Zone #65D	1	58.0 W	74.5 ft²	0.8 W/ft²
Power Density Zone #73	4	232.0 W	230.1 ft²	1.0 W/ft²
Power Density Zone #73A	2	232.0 W	156.0 ft²	1.5 W/ft²
Power Density Zone #75	3	174.0 W	262.4 ft²	0.7 W/ft <sup>2</sup>
Power Density Zone #75A	2	232.0 W	231.9 ft²	1.0 W/ft²
Power Density Zone #77	6	464.0 W	626.4 ft²	0.7 W/ft <sup>2</sup>
Power Density Zone #77A	2	116.0 W	101.6 ft²	1.1 W/ft²





PLUMBING PLAN - DEMOLITION

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

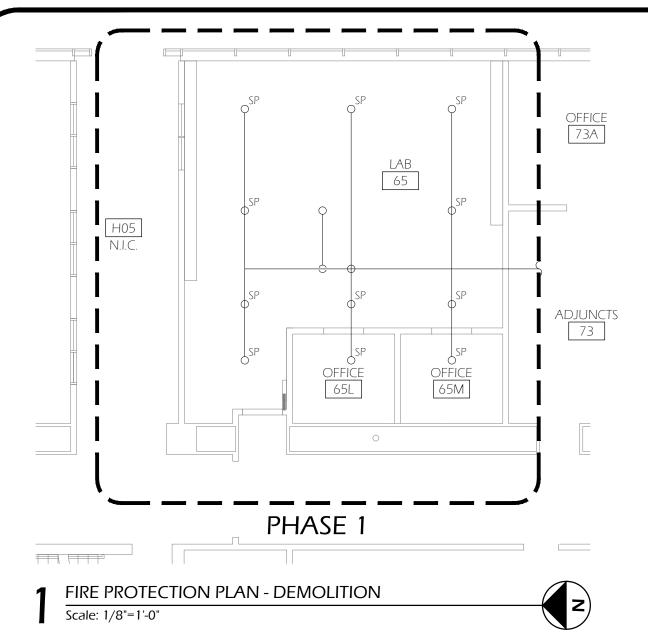
# **GENERAL NOTES**

- 1. PROTECT & PRESERVE ADJACENT (E) FINISHES TO REMAIN FROM DAMAGE CAUSED BY DEMOLITION & CONSTRUCTION. CONTRACTOR TO REPAIR INCIDENTAL DAMAGE AT OWN EXPENSE
- 2 (E) EQUIPMENT, FURNITURE & FIXTURES TO BE REMOVED & SALVAGED WHEN POSSIBLE
- 3. AT ALL LOCATIONS WHERE EXPOSED LABORATORY PIPING & PLUMBING EXISTS, DECOMMISSION & CUT/CAP/REMOVE WHEN POSSIBLE
- 4. SEE SPEC 01 1000 SUMMARY FOR PROJECT PHASING

# **DEMO PLAN KEYED NOTES**

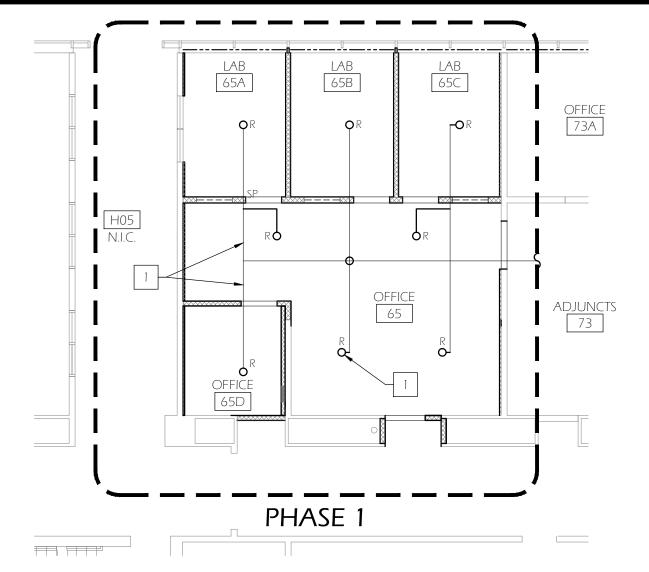
- REMOVE EMERGENCY SHOWER. CAP 1" CW ABOVE CEILING. PLACE PLUG IN FLOOR DRAIN. THE INTENT IS TO LEAVE THE DRAIN IN PLACE AND TO COVER WITH CARPETING
- 2 CAP 3/4" CW, 1/2" HW, 1/2" DI, 1/2" A, 1/2" G AT OVERHEAD PIPE RACK AND REMOVE VERTICAL DROPS. REMOVE 2" ACID WASTE AND ISLAND VENT. CAP ACID WASTE BELOW FLOOR AT NEAREST FITTING
- REMOVE ABANDONED PIPE UNDER SINK ANDCAP AT FLOOR BELOW
- RAISE 2" ACID WASTE APPROX. 2 FEET TO BE ABOVE NEW CEILING





# **GENERAL NOTES**

- PROTECT & PRESERVE ADJACENT (E) FINISHES TO REMAIN FROM DAMAGE CAUSED BY DEMOLITION & CONSTRUCTION. CONTRACTOR TO REPAIR INCIDENTAL DAMAGE AT OWN EXPENSE
- 2 (E) EQUIPMENT, FURNITURE & FIXTURES TO BE REMOVED & SALVAGED WHEN POSSIBLE
- 3. AT ALL LOCATIONS WHERE EXPOSED LABORATORY PIPING & PLUMBING EXISTS, DECOMMISSION & CUT/CAP/REMOVE WHEN POSSIBLE
- 4. FIRE SPRINKLER CONTRACTOR TO PROVIDE CALCULATIONS AND DRAWINGS AS REQUIRED FOR BUILDING PERMIT
- 5. SEE SPEC 01 1000 SUMMARY FOR PROJECT PHASING



PIRE PROTECTION PLAN - NEW WORK

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

**NEW PLAN KEYED NOTES** 

1 EXISTING PIPING TO REMAIN

2 CONTRACTOR TO ADJUST ARM-OVERS AS NECESSARY FOR NEW HEAD LOCATIONS, TYPICAL

# LEGEND

o<sup>R</sup> relocated sprinkler head

