Capital Projects Contract Administration, Capital Planning & Development
Oregon State University3015 SW Western Blvd, Corvallis, Oregon 97333
T 541-737-9635 | **F** 541-737-4810

May 7, 2014

Oregon State University
Capital Projects Contract Administration
UHDS & Crop Science Reroof GC RFP

ADDENDUM NO. 2

THIS ADDENDUM IS BEING ISSUED for clarification and/or revisions of the drawings and specifications as noted. This document is hereby made a part of the Contract Documents to the extent as though it was originally included herein.

CLARIFICATIONS

Item 1 If asbestos-containing materials are discovered and are determined to be non-friable, then the Contractor shall remove the materials with a certified supervisor. If the Contractor finds any friable asbestos-containing material, Contractor shall stop work and contact the Owner who will then contract directly with an abatement firm to perform the removal work. Survey results for Cauthorn Hall, Poling Hall & the UHDS Maintenance Building are attached.

The following changes shall be made to the TECHNICAL SPECIFICATIONS:

Item 2 Cauthorn Hall, Section 075225, 2.02.A.1, replace “3” with “4”.

Item 3 Cauthorn Hall, Section 075225, 2.04.F.1.a, delete 24” x 24” x 1-3/16” and replace with 16” x 16” x 1-3/16”.

Item 4 Cauthorn Hall, Section 075225, 3.02.C.2 – delete.

Item 5 Cauthorn Hall, Section 075225, 3.03.A.1 & 3.03.A.2 – delete.

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Item 6 Poling Hall, Section 075225, 2.02.A.1, replace “3” with “4”.

Item 7 Poling Hall, Section 075225, 2.04.F.1.a, delete 24” x 24” x 1-3/16” and replace with 16” x 16” x 1-3/16”.

Item 8 Poling Hall, Section 075225, 3.02.C.2 – delete.

Item 9 Poling Hall, Section 075225, 3.03.A.1 & 3.03.A.2 – delete.

Item 10 Crop Science Building, Section 075225, 2.02.A.1, replace “3” with “4”.

Item 11 Crop Science Building, Section 075225, 3.02.C.2 – delete.

Item 12 Crop Science Building, Section 075225, 3.03.A.1 & 3.03.A.2 – delete.

The following changes shall be made to the DRAWINGS:

Item 13 Cauthorn Hall, Sheet G0.1: delete and replace with the attached Sheet G0.1 Rev. 1. Drawings shall be printed on 22” x 34” to be at scale.

Item 14 Cauthorn Hall, Sheet A2.2: delete and replace with the attached Sheet A2.2 Rev. 1 & 2. Drawings shall be printed on 22” x 34” to be at scale.

Item 15 Poling Hall, Sheet G0.1: delete and replace with the attached Sheet G0.1 Rev. 1. Drawings shall be printed on 22” x 34” to be at scale.

Item 16 Poling Hall, Sheet A2.2: delete and replace with the attached Sheet A2.2 Rev. 1 & 2. Drawings shall be printed on 22” x 34” to be at scale.

Item 17 UHDS Maintenance Building, Sheet G0.1: delete and replace with the attached Sheet G0.1 Rev. 1. Drawings shall be printed on 22” x 34” to be at scale.

Item 18 UHDS Maintenance Building, Sheet A2.2: delete and replace with the attached Sheet A2.2 Rev. 1 & 2. Drawings shall be printed on 22” x 34” to be at scale.

Item 19 UHDS Maintenance Building, Sheet S4.01: delete and replace with the attached Sheet S4.01 Rev. 1.

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Item 20 Crop Science Building, Sheet G0.1: delete and replace with the attached Sheet G0.1 Rev. 1. Drawings shall be printed on 22" x 34" to be at scale.

Item 21 Crop Science Building, Sheet A2.2: delete and replace with the attached Sheet A2.2 Rev. 1 & 2. Drawings shall be printed on 22" x 34" to be at scale.

Item 22 Crop Science Building, Sheet S3.01 Rev 1: delete and replace with the attached Sheet S3.01 Rev 2.

END OF ADDENDUM NO. 2

CAUTHORN HALL

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

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804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method[1] 600/R-93/116; EPA 600/M4-82-020

ACCOUNT #: 3545-14-301
CUSTOMER: Miller Air Monitoring Service
ADDRESS: 2610 Calgary Street
Eugene, OR 97408
PROJECT NAME: Oregon State
JOB LOCATION: Cauthron Hall
PROJECT NO.: 14034B
PO NO.:

DATE COLLECTED: 1/23/2014
DATE RECEIVED: 1/30/2014
DATE ANALYZED: 1/30/2014
DATE REPORTED: 1/31/2014

SampleType: BULK

Customer Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results: Asbestos Fibers	PLM Analysis Results: Other Materials
1	32133727	N Wing Roofing		
Layer 1:		Roofing Black, Rubbery	None Detected	100% NON FIBROUS MATERIAL
Layer 2:		Roofing Black, Bituminous/Fibrous	12% CHRYSOTILE	20% CELLULOSE FIBER 68% NON FIBROUS MATERIAL
2	32133728	S.E. Wing Roofing		
Layer 1:		Roofing Black, Rubbery	None Detected	100% NON FIBROUS MATERIAL
Layer 2:		Roofing Black, Bituminous/Fibrous	10% CHRYSOTILE	20% CELLULOSE FIBER 70% NON FIBROUS MATERIAL

Reel Hashim

Analyst: **Reel Hashim**

Caitrin Gilman

Reviewed By: **Caitrin Gilman, Data Management**

Total Number of Pages in Report: 1

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

Amended Report 01/31/2014 14:21

Project location amended per customer request.

Accrediting bodies: AIHA-LAP, LLC 100527, NVLAP 101150-0, VELAP/NELAC 460135 - Call laboratory for current national and state certifications.

Method reporting limit is 1%. PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis.

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804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
www.slabinc.com e-mail: info@slabinc.com

WC
WorkOrderKey
V: 1995 \ 995763

Submitting Co.	MILLER AIR MONITORING SERVICE	Lab Use-WO #	3545-14-301
2610 CALGARY STREET		Acct #	3545
EUGENE, OR 97408		Phone #	1-541-485-5344
		Fax # & E-mail	1-541-228-7233

Project Name:	OREGON STATE	Special Instructions [include requests for special reporting or data packa
Project Location:	CAVTHRON HALL	
Project Number:	14034B	
PO Number:		State Of Collection

Turn Around Time:
- ☐ 2 hours*
- ☑ Same day*
- ☐ 1 business day*
- ☐ 2 business day*
- ☐ 3 business days*
- ☐ 5 business days*
- ☐ Full TCLP (10d)
- ☐ Weekend*

* not available for all tests

Schedule rush organics, multi-metals & weekend tests in advance.

Matrix / Sample Type (Select ONE)

All samples on form should be of SAME matrix type. Use additional forms as needed.

- ☐ Air
- ☐ Aqueous
- ☑ Bulk
- ☐ Hi-Vol Filter (PM10)
- ☐ Hi-Vol Filter (TSP)
- ☐ Oil
- ☐ Paint
- ☐ Sludge
- ☐ Soil
- ☐ Solid
- ☐ Waste
- ☐ Wastewater
- ☐ Water,Drinking
- ☐ Compliance
- ☐ Wipe
- ☐ Wipe, Composite
- ☐ _____

Tests / Analytes (Select ALL that Apply)

Asbestos Air / Fiber Counts
- ☐ PCM (NIOSH 7400)
- ☐ TEM (AHERA)
- ☐ TEM (EPA Level II)
- ☐

Miscellaneous Tests
- ☐ Total Dust (NIOSH 0500)
- ☐ Resp. Dust (NIOSH 0800)
- ☐ Silica - FTIR (NIOSH 7602)
- ☐ Silica - XRD (NIOSH 7500)
- ☐

Asbestos Bulk / Asb ID
- ☑ PLM (EPA 600, 1982)
- ☐ PLM (EPA Point Count)
- ☐ PLM (Qualitative only)
- ☐ NYELAP 198.1/.4/.6
- ☐ CAELAP (EPA Interim)
- ☐ TEM (Chatfield)
- ☐

FOR ASBESTOS AIR:
TYPE OF RESPIRATOR USED:

Metals-Total Conc.
- ☐ Lead
- ☐ RCRA Metals
- ☐ _____
- ☐ _____

Metals-Extract
- ☐ TCLP / Lead
- ☐ TCLP / RCRA Metals
- ☐ TCLP / Full (w/ organics)

Others
- ☐

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type[1] A,B,P,E	Time[2] Start	Time[2] Stop	Flow Rate[3] Start	Flow Rate[3] Stop	Tot Air
01	1/23		N. WING Roofing							
02	↓		SE. WING ↓							

[1]Type: A=area B=blank P=personal E=excursion [2]Beginning/End of Sample Period [3]Pump Calibration in Liters/Minute [4]Volume in Liters [time in min * flow in L/

Sampled by
NAME CLIENT
SIGNATURE
DATE/TIME

Relinquished to lab by
NAME
SIGNATURE
DATE/TIME 1/28/14

1-30-14

☐ FX ☐ UPS ☐ USM ☐ HD ☐ DB

WB:

☐ Sample return requested ☐ Ambient temp ☐ Ice °C · pH Cl ☐R ☐S ☐X

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804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method[1] 600/R-93/116; EPA 600/M4-82-020

ACCOUNT #: 3545-14-302
CUSTOMER: Miller Air Monitoring Service
ADDRESS: 2610 Calgary Street
Eugene, OR 97408
PROJECT NAME: Oregon State
JOB LOCATION: Poling Hall
PROJECT NO.: 14-035B
PO NO.:

DATE COLLECTED: 1/23/2014
DATE RECEIVED: 1/30/2014
DATE ANALYZED: 1/30/2014
DATE REPORTED: 1/30/2014

SampleType: BULK

Customer Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results: Asbestos Fibers	PLM Analysis Results: Other Materials
01	32133725	SW Wing		
Layer 1:		Roofing Black, Bituminous/Fibrous **Sample was inhomogenous, subsamples of each component were analyzed separately.**	10% CHRYSOTILE	25% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
Layer 2:		Roofing Black, Rubbery	None Detected	100% NON FIBROUS MATERIAL
02	32133726	Center		
Layer 1:		Roofing Black, Bituminous/Fibrous **Sample was inhomogenous, subsamples of each component were analyzed separately.**	12% CHRYSOTILE	35% CELLULOSE FIBER 53% NON FIBROUS MATERIAL
Layer 2:		Roofing Black, Rubbery	None Detected	100% NON FIBROUS MATERIAL

Reel Hashim

Analyst: **Reel Hashim**

Reviewed By: **Hind Eldanaf, Microscopy Supervisor**

Total Number of Pages in Report: 1

Results relate only to samples as received by the laboratory. Visit www.slabinc.com for current certifications.

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www.slabinc.com e-mail: info@slabinc.com

WorkOrderKey V : \ 995 \ 995762

Submitting Co.	MILLER AIR MONITORING SERVICE	Lab Use-WO #	
2610 CALGARY STREET		Acct #	3545
EUGENE, OR 97408		Phone #	1-541-485-5344
		Fax # & E-mail	1-541-228-7233

Project Name:	OREGON STATE
Project Location:	~~PGE~~ Poling Hall
Project Number:	14-035B
PO Number:	

Special Instructions (include requests for special reporting or data package

State Of Collection:

Turn Around Time:
- ☐ 2 hours*
- ☑ Same day*
- ☐ 1 business day*
- ☐ 2 business days*
- ☐ 3 business days*
- ☐ 5 business days*
- ☐ Full TCLP (10d)
- ☐ Weekend*

* not available for all tests

Schedule rush organics, multi-metals & weekend tests in advance.

Matrix / Sample Type (Select ONE!)

All samples on form should be of SAME matrix type. Use additional forms as needed.

- ☐ Air
- ☐ Aqueous
- ☑ Bulk
- ☐ Hi-Vol Filter (PM10)
- ☐ Hi-Vol Filter (TSP)
- ☐ Oil
- ☐ Paint
- ☐ Sludge
- ☐ Soil
- ☐ Solid
- ☐ Waste
- ☐ Wastewater
- ☐ Water,Drinking
- ☐ Compliance
- ☐ Wipe
- ☐ Wipe, Composite
- ☐ _____

Tests / Analytes (Select ALL that Apply)

Asbestos Air / Fiber Counts
- ☐ PCM (NIOSH 7400)
- ☐ TEM (AHERA)
- ☐ TEM (EPA Level II)
- ☐

Miscellaneous Tests
- ☐ Total Dust (NIOSH 0500)
- ☐ Resp. Dust (NIOSH 0600)
- ☐ Silica - FTIR (NIOSH 7602)
- ☐ Silica - XRD (NIOSH 7500)
- ☐

Asbestos Bulk / Asb ID
- ☑ PLM (EPA 600, 1982)
- ☐ PLM (EPA Point Count)
- ☐ PLM (Qualitative only)
- ☐ NYELAP 198.1/.4/.6
- ☐ CAELAP (EPA Interim)
- ☐ TEM (Chatfield)
- ☐

FOR ASBESTOS AIR:
TYPE OF RESPIRATOR USED:

Metals-Total Conc.
- ☐ Lead
- ☐ RCRA Metals
- ☐ _____
- ☐

Metals-Extract
- ☐ TCLP / Lead
- ☐ TCLP / RCRA Metals
- ☐ TCLP / Full (w/ organics)

Others
- ☐

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type[1] A,B,P,E	Time[2] Start	Time[2] Stop	Flow Rate[3] Start	Flow Rate[3] Stop	Total Air V
01	1/23		S.W. WING	Roofing						
02			CENTER	↓						

[1]Type: A=area B=blank P=personal E=excursion [2]Beginning/End of Sample Period [3]Pump Calibration in Liters/Minute [4]Volume in Liters (time in min * flow in L/m)

Sampled by
NAME CLIENT
SIGNATURE
DATE/TIME

Relinquished to lab by
NAME DWMiller
SIGNATURE
DATE/TIME 1/28/14

1-30-14

- ☐ FX
- ☐ UPS
- ☑ USM
- ☐ HD
- ☐ DB

WB: _____

☐ Sample return requested ☐ Ambient temp ☐ Ice °C pH Cl ☐R ☐S ☐X

Chain-of-Custody documentation continued internally within lab. Terms and conditions pa

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method[1] 600/R-93/116; EPA 600/M4-82-020

ACCOUNT #: 3545-14-300
CUSTOMER: Miller Air Monitoring Service
ADDRESS: 2610 Calgary Street
Eugene, OR 97408
PROJECT NAME: Oregon State
JOB LOCATION: UHDS
PROJECT NO.: 14033B
PO NO.:

DATE COLLECTED:
DATE RECEIVED: 1/30/2014
DATE ANALYZED: 1/30/2014
DATE REPORTED: 1/31/2014

SampleType: BULK

Customer Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results: Asbestos Fibers	PLM Analysis Results: Other Materials
01	32133723	Hatch Main Roof		
Layer 1:		Roofing Gray, Rubbery	None Detected	20% CELLULOSE FIBER 80% NON FIBROUS MATERIAL
Layer 2:		Roofing Black/Brown, Bituminous/Fibrous **Unable to separate individual layers.**	None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
02	32133724	Vent Pipe Area		
Layer 1:		Roofing Gray, Rubbery	None Detected	20% CELLULOSE FIBER 80% NON FIBROUS MATERIAL
Layer 2:		Roofing Black, Bituminous	5% CHRYSOTILE	95% NON FIBROUS MATERIAL
Layer 3:		Roofing Black/White, Bituminous/Granular **Sample was inhomogenous, subsamples of each component were analyzed separately.**	None Detected	12% MINERAL/GLASS WOOL 88% NON FIBROUS MATERIAL

Reel Hashim

Analyst: **Reel Hashim**

Caitrin Gilman

Reviewed By: **Caitrin Gilman, Data Management**

Total Number of Pages in Report: 1

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

Amended Report 01/31/2014 14:23

Project location amended per customer request.

Accrediting bodies: AIHA-LAP, LLC 100527, NVLAP 101150-0, VELAP/NELAC 460135 - Call laboratory for current national and state certifications.

Method reporting limit is 1%. PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. This report must not be reproduced except in full with the approval of the laboratory.

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WD La

WorkOrderKey V : \ 995 \ 995764

Submitting Co.	MILLER AIR MONITORING SERVICE	Lab Use-WO #		Phone #	1-541-485-5344
2610 CALGARY STREET		Acct #	3545	Fax # & E-mail	1-541-228-7233
EUGENE, OR 97408					
Project Name:	OREGON STATE	Special Instructions [include requests for special reporting or data package			
Project Location:	UH DS				
Project Number:	14033B	State Of Collection			
PO Number:					

Turn Around Time:
- ☐ 2 hours*
- ☑ Same day*
- ☐ 1 business day*
- ☐ 2 business day*
- ☐ 3 business days*
- ☐ 5 business days*
- ☐ Full TCLP (10d)
- ☐ Weekend*

* not available for all tests

Schedule rush organics, multi-metals & weekend tests in advance.

Matrix / Sample Type (Select ONE)

All samples on form should be of SAME matrix type. Use additional forms as needed.

- ☐ Air
- ☐ Aqueous
- ☑ Bulk
- ☐ Hi-Vol Filter (PM10)
- ☐ Hi-Vol Filter (TSP)
- ☐ Oil
- ☐ Paint
- ☐ Sludge
- ☐ Soil
- ☐ Solid
- ☐ Waste
- ☐ Wastewater
- ☐ Water,Drinking
- ☐ Compliance
- ☐ Wipe
- ☐ Wipe, Composite
- ☐ _____
- ☐

Tests / Analytes (Select ALL that Apply)

Asbestos Air / Fiber Counts
- ☐ PCM (NIOSH 7400)
- ☐ TEM (AHERA)
- ☐ TEM (EPA Level II)
- ☐

Miscellaneous Tests
- ☐ Total Dust (NIOSH 0500)
- ☐ Resp. Dust (NIOSH 0600)
- ☐ Silica - FTIR (NIOSH 7602)
- ☐ Silica - XRD (NIOSH 7500)
- ☐

Asbestos Bulk / Asb ID
- ☑ PLM (EPA 600, 1982)
- ☐ PLM (EPA Point Count)
- ☐ PLM (Qualitative only)
- ☐ NYELAP 198.1/.4/.6
- ☐ CAELAP (EPA Interim)
- ☐ TEM (Chatfield)
- ☐

FOR ASBESTOS AIR:
TYPE OF RESPIRATOR USED:

Metals-Total Conc.
- ☐ Lead
- ☐ RCRA Metals
- ☐ _____
- ☐

Metals-Extract
- ☐ TCLP / Lead
- ☐ TCLP / RCRA Metals
- ☐ TCLP / Full (w/ organics)

Others
- ☐

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type[1] A,B,P,E	Time[2] Start	Time[2] Stop	Flow Rate[3] Start	Flow Rate[3] Stop	Total Air V
01			HATCH - MAIN ROOF		ROOFING					
02			VENT PIPE AREA		↓					

[1]Type: A=area B=blank P=personal E=excursion [2]Beginning/End of Sample Period [3]Pump Calibration in Liters/Minute [4]Volume in Liters [time in min * flow in L/m

Sampled by	Relinquished to lab by	
NAME CLIENT	NAME JAMES Miller	1-30-14
SIGNATURE	SIGNATURE	
DATE/TIME	DATE/TIME 1/28/14	

☐ Sample return requested ☐ Ambient temp ☐ ICE °C pH Cl ☐R ☐S ☐X

☐ FX ☐ UPS ☐ USM ☐ HD ☐ DB

WB: _____

Chain-of-Custody documentation continued internally within lab. Terms and conditions pa

OREGON STATE UNIVERSITY
UNIVERSITY HOUSING & DINING SERVICES
CAUTHORN HALL REROOFING PROJECT

GENERAL NOTES

THIS FACILITY IS CURRENTLY OCCUPIED, AND IS TO REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL SEQUENCE ALL WORK TO MINIMIZE DISRUPTION OF EXISTING BUILDING AND UTILITIES, AND MAINTAIN SECURITY AND SAFE EGRESS AT ALL TIMES.

A. EXISTING MATERIALS AND CONSTRUCTION ARE NOTED ON THE DRAWINGS AS EXISTING (E)(EX). ALL OTHER NOTATIONS INDICATE NEW MATERIALS, PRODUCTS, AND CONSTRUCTION. THE WORD NEW IS USED ONLY FOR CLARIFICATION.

B. VERIFY ALL DIMENSIONS AND CONDITIONS OF THE PROJECT, INCLUDING EXISTING CONSTRUCTION METHODS AND MATERIALS.

C. PROTECT ALL EXISTING MEMBRANES DURING CONSTRUCTION. REPAIR AREAS OF DAMAGE BY CONSTRUCTION ACTIVITIES AT NO COST TO OWNER. MAINTAIN A WATERTIGHT MEMBRANE AT ALL TIMES.

D. PAINT ALL EXISTING METALS AND FLASHINGS TO MATCH NEW WORK AS SPECIFIED.

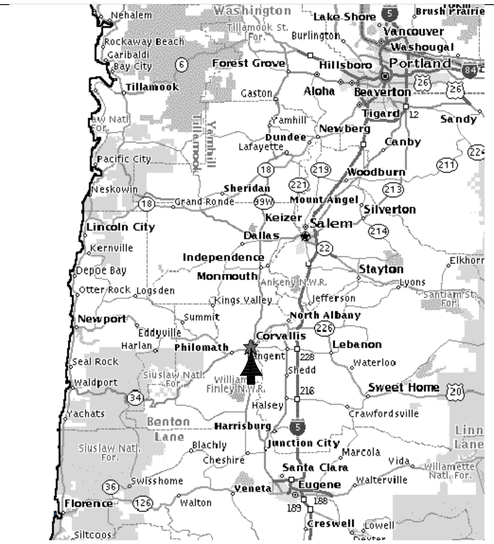
E. MAINTAIN PROTECTED ACCESS TO AND EGRESS FROM BUILDING AT ALL TIMES.

F. KEEP STAGING, PARKING AND STORAGE AREAS IN AN ORDERLY AND CLEAN CONDITION. RETURN AREAS BACK TO ORIGINAL OR BETTER CONDITION BEFORE FINAL COMPLETION.

G. COORDINATE ALL OPERATIONS, INCLUDING ACCESS TO ROOF AREAS, PARKING, STAGING, STORAGE, ETC. WITH OWNERS AUTHORIZED REPRESENTATIVE

H. UNLESS OTHERWISE INDICATED, ALL COLORS, TEXTURES AND FINISHES: MATCH EXISTING.

AREA MAP



SYMBOLS

- DETAIL KEY (1 / A8.1)
- KEYNOTE (1)
- NORTH ARROW
- FIRE HYDRANT

ABBREVIATIONS

CONC.	CONCRETE
CU	CUBIC
DBL.	DOUBLE
DEMO	DEMO
DIA.	DIAMETER
EA.	EACH
F	FAHRENHEIT
FM	FACTORY MUTUAL
FT.	FOOT/FEET
GA.	GAUGE
HT.	HEIGHT
KG	KILOGRAM
LB	POUND
MIN.	MINIMUM
NO.	NUMBER
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
PSI	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
SF	SQUARE FOOT
SIM.	SIMILAR
T.O.	TOP OF
TYP	TYPICAL
W/	WITH
W/O	WITHOUT
&	AND
@	AT
"	INCH
'	FEET
/	PER
PL	STEEL PLATE
#	POUND, NUMBER
ϕ	DIAMETER

MATERIALS*

- DIMENSIONAL LUMBER
- BLOCKING
- NON-DIMENSIONAL LUMBER
- RIGID INSULATION
- CANT; CRICKET
- STEEL
- CONCRETE
- PLYWOOD

* SEE INDIVIDUAL SHEETS FOR DRAWINGS SPECIFIC MATERIALS LEGENDS

PROJECT DIRECTORY

OWNER: OREGON STATE UNIVERSITY
FACILITIES SERVICES
OAK CREEK BUILDING
CORVALLIS, OREGON 97331-2001
TEL: (541) 230-0802
FAX: (541) 737-3013
ATTN: LARRIE EASTERLY
UNIVERSITY ENGINEERING MANAGER
EMAIL: larrie.easterly@oregonstate.edu

ARCHITECT: MCBRIDE ARCHITECTURE, P.C.
P.O. BOX 13705 PORTLAND, OR 97213
TEL: (503) 916-1808
FAX: (503) 916-1816
ATTN: PHIL STRAND
EMAIL: phil@mcbridearchitects.com

PROJECT SUMMARY

PROJECT DESCRIPTION:

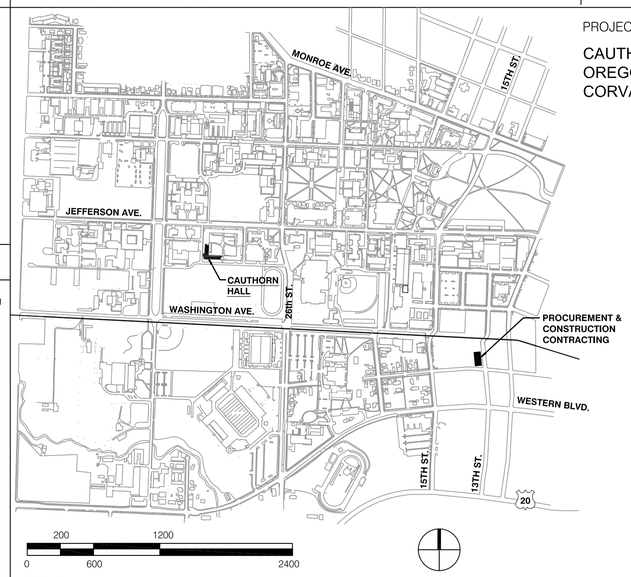
REROOFING. SCOPE OF WORK INCLUDES THE FOLLOWING DIVISIONS:

- SELECTIVE DEMOLITION
- ROOF CARPENTRY
- SBS MODIFIED BITUMEN ROOFING
- FLASHING & SHEET METAL
- JOINT SEALERS
- PAINTING
- BASIC MECHANICAL
- BASIC ELECTRICAL

ALTERNATES

ALTERNATE NO. 1: Leak Detection System, Electric Field Vector Mapping by International Leak Detection (ILD®) or approved

CAMPUS MAP



PROJECT DESCRIPTION:

CAUTHORN HALL
OREGON STATE UNIVERSITY
CORVALLIS, OREGON 97331

BUILDING CODE

PROJECT AREA DESCRIPTION	OCC	TYPE OF CONST	NO. OF STORIES	HT (FT)	REMARKS
ROOF	R2	TYPE I	5 STORIES	46'-0"	CLASS A ROOF TYPICAL

APPLICABLE CODES:

2010 - OREGON STRUCTURAL SPECIALTY CODE
2010 OREGON EFFICIENCY SPECIALTY CODE
2010 - OREGON FIRE CODE
2010 - OREGON MECHANICAL SPECIALTY CODE
2011 - OREGON ELECTRICAL SPECIALTY CODE
2011 - OREGON PLUMBING SPECIALTY CODE

INDEX

LAST DRAWING ISSUED : DECEMBER 31, 2013 95%

KEY:
- RECORD DRAWINGS
- DRAWING ISSUED FOR PERMIT / BID
- OWNER REVIEW
- PLAN CHECK REVISIONS
- REVISION NUMBER

■	G0.1	COVER SHEET, PROJECT INFORMATION
■	A1.1	SITE PLAN
■	A2.1	DEMOLITION ROOF PLAN
■	A2.2	ROOF PLAN
■	A2.3	WALKWAY & WARNING LINE PLAN
■	A3.1	ELEVATIONS
■	A8.1	DETAILS
■	A8.2	DETAILS
■	A8.3	DETAILS

McBRIDE ARCHITECTURE P.C.

OSU Oregon State UNIVERSITY

UNIVERSITY HOUSING & DINING SERVICES

CAUTHORN HALL REROOFING PROJECT

SHEET TITLE:
COVER SHEET PROJECT INFORMATION

REGISTERED ARCHITECT 2635 RICHARD L. McBRIDE PORTLAND OREGON STATE OF OREGON

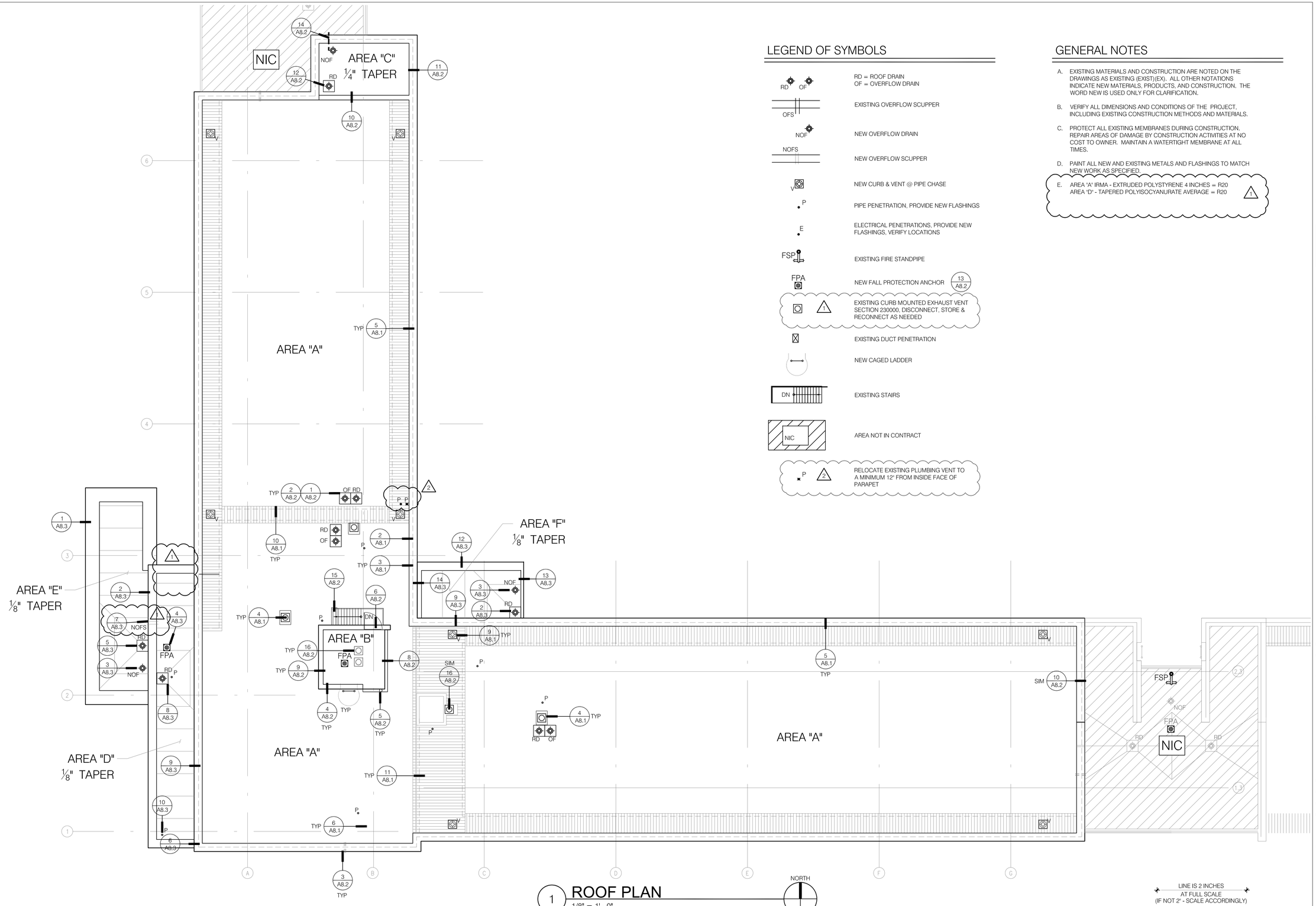
Date: 03/18/2014
Revisions:
1 4/28/2014

Drawn: PAS
Check: RLM
File: 13032

Project: 13035

SHEET NUMBER:

G0.1



LEGEND OF SYMBOLS

- RD OF — RD = ROOF DRAIN; OF = OVERFLOW DRAIN
- OFS — EXISTING OVERFLOW SCUPPER
- NOF — NEW OVERFLOW DRAIN
- NOFS — NEW OVERFLOW SCUPPER
- V — NEW CURB & VENT @ PIPE CHASE
- P — PIPE PENETRATION, PROVIDE NEW FLASHINGS
- E — ELECTRICAL PENETRATIONS, PROVIDE NEW FLASHINGS, VERIFY LOCATIONS
- FSP — EXISTING FIRE STANDPIPE
- FPA — NEW FALL PROTECTION ANCHOR (13 A8.2)
- 1 — EXISTING CURB MOUNTED EXHAUST VENT SECTION 230000, DISCONNECT, STORE & RECONNECT AS NEEDED
- EXISTING DUCT PENETRATION
- NEW CAGED LADDER
- DN — EXISTING STAIRS
- NIC — AREA NOT IN CONTRACT
- P 2 — RELOCATE EXISTING PLUMBING VENT TO A MINIMUM 12" FROM INSIDE FACE OF PARAPET

GENERAL NOTES

A. EXISTING MATERIALS AND CONSTRUCTION ARE NOTED ON THE DRAWINGS AS EXISTING (EXIST)(EX). ALL OTHER NOTATIONS INDICATE NEW MATERIALS, PRODUCTS, AND CONSTRUCTION. THE WORD NEW IS USED ONLY FOR CLARIFICATION.

B. VERIFY ALL DIMENSIONS AND CONDITIONS OF THE PROJECT, INCLUDING EXISTING CONSTRUCTION METHODS AND MATERIALS.

C. PROTECT ALL EXISTING MEMBRANES DURING CONSTRUCTION. REPAIR AREAS OF DAMAGE BY CONSTRUCTION ACTIVITIES AT NO COST TO OWNER. MAINTAIN A WATERTIGHT MEMBRANE AT ALL TIMES.

D. PAINT ALL NEW AND EXISTING METALS AND FLASHINGS TO MATCH NEW WORK AS SPECIFIED.

E. AREA "A" IRMA - EXTRUDED POLYSTYRENE 4 INCHES = R20
AREA "D" - TAPERED POLYISOCYANURATE AVERAGE = R20 (1)

1 ROOF PLAN
1/8" = 1' - 0"

NORTH

LINE IS 2 INCHES
AT FULL SCALE
(IF NOT 2" - SCALE ACCORDINGLY)

McBRIDE ARCHITECTURE PC

OSU Oregon State UNIVERSITY

UNIVERSITY HOUSING & DINING SERVICES

CAUTHORN HALL REROOFING PROJECT

SHEET TITLE:
ROOF PLAN

REGISTERED ARCHITECT
2635
RICHARD L. McBRIDE
PORTLAND OREGON
STATE OF OREGON

Date: 03/18/2014
Revisions:
1 3/30/2014
2 5/6/2014

Drawn: PAS
Check: RLM
File: 13032

Project: 13035

SHEET NUMBER:
A2.2

OREGON STATE UNIVERSITY
UNIVERSITY HOUSING & DINING SERVICES
POLING HALL REROOFING PROJECT

GENERAL NOTES

THIS FACILITY IS CURRENTLY OCCUPIED, AND IS TO REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL SEQUENCE ALL WORK TO MINIMIZE DISRUPTION OF EXISTING BUILDING AND UTILITIES, AND MAINTAIN SECURITY AND SAFE EGRESS AT ALL TIMES.

A. EXISTING MATERIALS AND CONSTRUCTION ARE NOTED ON THE DRAWINGS AS EXISTING (E)(EX). ALL OTHER NOTATIONS INDICATE NEW MATERIALS, PRODUCTS, AND CONSTRUCTION. THE WORD NEW IS USED ONLY FOR CLARIFICATION.

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D. PAINT ALL EXISTING METALS AND FLASHINGS TO MATCH NEW WORK AS SPECIFIED.

E. MAINTAIN PROTECTED ACCESS TO AND EGRESS FROM BUILDING AT ALL TIMES.

F. KEEP STAGING, PARKING AND STORAGE AREAS IN AN ORDERLY AND CLEAN CONDITION. RETURN AREAS BACK TO ORIGINAL OR BETTER CONDITION BEFORE FINAL COMPLETION.

G. COORDINATE ALL OPERATIONS, INCLUDING ACCESS TO ROOF AREAS, PARKING, STAGING, STORAGE, ETC. WITH OWNERS AUTHORIZED REPRESENTATIVE

H. UNLESS OTHERWISE INDICATED, ALL COLORS, TEXTURES AND FINISHES: MATCH EXISTING.

AREA MAP

SYMBOLS

- DETAIL KEY (1 / A8.1)
- KEYNOTE (1)
- NORTH ARROW
- FIRE HYDRANT

ABBREVIATIONS

CONC.	CONCRETE
CU	CUBIC
DBL.	DOUBLE
DEMO	DEMO
DIA.	DIAMETER
EA.	EACH
F	FAHRENHEIT
FM	FACTORY MUTUAL
FT.	FOOT/FEET
GA.	GAUGE
HT.	HEIGHT
KG	KILOGRAM
LB	POUND
MIN.	MINIMUM
NO.	NUMBER
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
PSI	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
SF	SQUARE FOOT
SIM.	SIMILAR
T.O.	TOP OF
TYP	TYPICAL
W/	WITH
W/O	WITHOUT
&	AND
@	AT
"	INCH
'	FEET
/	PER
R	STEEL PLATE
#	POUND, NUMBER
ϕ	DIAMETER

MATERIALS*

- DIMENSIONAL LUMBER
- BLOCKING
- NON-DIMENSIONAL LUMBER
- RIGID INSULATION
- CANT; CRICKET
- STEEL
- CONCRETE
- PLYWOOD

* SEE INDIVIDUAL SHEETS FOR DRAWINGS SPECIFIC MATERIALS LEGENDS

PROJECT DIRECTORY

OWNER: OREGON STATE UNIVERSITY
CAMPUS PLANNING AND DEVELOPMENT
OAK CREEK BUILDING
CORVALLIS, OREGON 97331-2001
TEL: (541) 230-0802
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ATTN: LARRIE EASTERLY
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TEL: (503) 916-1808
FAX: (503) 916-1816
ATTN: PHIL STRAND
EMAIL: phil@mcbridearchitects.com

PROJECT SUMMARY

PROJECT DESCRIPTION:

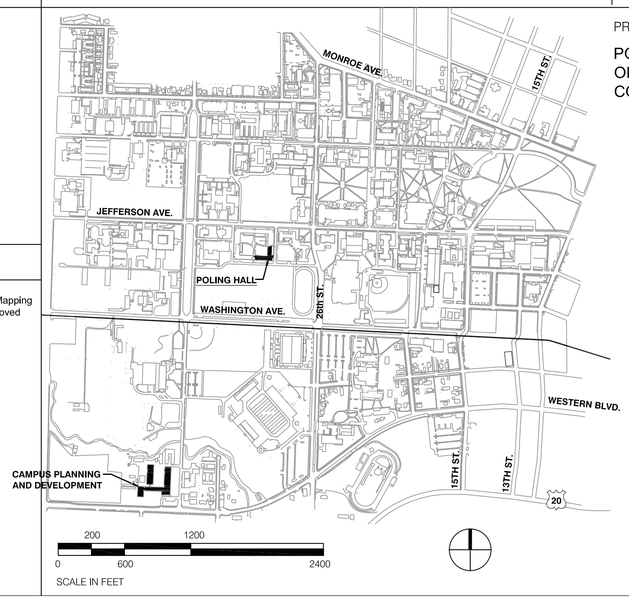
REROOFING. SCOPE OF WORK INCLUDES THE FOLLOWING DIVISIONS:

- SELECTIVE DEMOLITION
- ROOF CARPENTRY
- SBS MODIFIED BITUMEN ROOFING
- FLASHING & SHEET METAL
- JOINT SEALERS
- PAINTING
- BASIC MECHANICAL
- BASIC ELECTRICAL

ALTERNATES

ALTERNATE NO. 1: Leak Detection System, Electric Field Vector Mapping by International Leak Detection (ILD®) or approved

CAMPUS MAP



PROJECT DESCRIPTION:

POLING HALL
OREGON STATE UNIVERSITY
CORVALLIS, OREGON 97331

BUILDING CODE

PROJECT AREA DESCRIPTION	OCC	TYPE OF CONST	NO. OF STORIES	HT (FT)	REMARKS
ROOF	R2	TYPE I	5 STORIES	46'-0"	CLASS A ROOF TYPICAL

APPLICABLE CODES: (1)

2010 - OREGON STRUCTURAL SPECIALTY CODE
2010 OREGON EFFICIENCY SPECIALTY CODE
2010 - OREGON FIRE CODE
2010 - OREGON MECHANICAL SPECIALTY CODE
2011 - OREGON ELECTRICAL SPECIALTY CODE
2011 - OREGON PLUMBING SPECIALTY CODE

INDEX

LAST DRAWING ISSUED : FEBRUARY 25, 2013 95%

KEY:
- RECORD DRAWINGS
- DRAWING ISSUED FOR PERMIT / BID
- OWNER REVIEW
- PLAN CHECK REVISIONS
- REVISION NUMBER

G0.1	COVER SHEET, PROJECT INFORMATION
A1.1	SITE PLAN
A2.1	DEMOLITION ROOF PLAN
A2.2	ROOF PLAN
A2.3	WALKWAY & WARNING LINE PLAN
A3.1	ELEVATIONS
A8.1	DETAILS
A8.2	DETAILS
A8.3	DETAILS
E0.01	LEGENDS, SYMBOLS & ABBREVIATIONS ELECTRICAL
E2.03	ROOF PLAN ELECTRICAL
M0.01	LEGENDS, SYMBOLS & ABBREVIATIONS MECHANICAL
M1.03	ROOF PLAN DEMO MECHANICAL
M2.03	ROOF PLAN MECHANICAL

McBRIDE ARCHITECTURE P.C.

OSU Oregon State UNIVERSITY

UNIVERSITY HOUSING & DINING SERVICES

POLING HALL REROOFING PROJECT

SHEET TITLE:
COVER SHEET
PROJECT INFORMATION

REGISTERED ARCHITECT
2635
RICHARD L. McBRIDE
PORTLAND OREGON
STATE OF OREGON

Date: 03/18/2014
Revisions:
(1) 4/28/2014

Drawn: PAS
Check: RLM
File: 13032

Project: 13032

SHEET NUMBER:
G0.1

GENERAL NOTES

A. EXISTING MATERIALS AND CONSTRUCTION ARE NOTED ON THE DRAWINGS AS EXISTING (EXIST)(EX). ALL OTHER NOTATIONS INDICATE NEW MATERIALS, PRODUCTS, AND CONSTRUCTION. THE WORD NEW IS USED ONLY FOR CLARIFICATION.

B. VERIFY ALL DIMENSIONS AND CONDITIONS OF THE PROJECT, INCLUDING EXISTING CONSTRUCTION METHODS AND MATERIALS.

C. PROTECT ALL EXISTING MEMBRANES DURING CONSTRUCTION. REPAIR AREAS OF DAMAGE BY CONSTRUCTION ACTIVITIES AT NO COST TO OWNER. MAINTAIN A WATERTIGHT MEMBRANE AT ALL TIMES.

D. PAINT ALL NEW AND EXISTING METALS AND FLASHINGS TO MATCH NEW WORK AS SPECIFIED.

E. AREA 'A' IRMA - EXTRUDED POLYSTYRENE 4 INCHES = R20
AREA 'C' - TAPERED POLYISOCYANURATE AVERAGE = R24.5
AREA 'D' - TAPERED POLYISOCYANURATE AVERAGE = R20 (1)

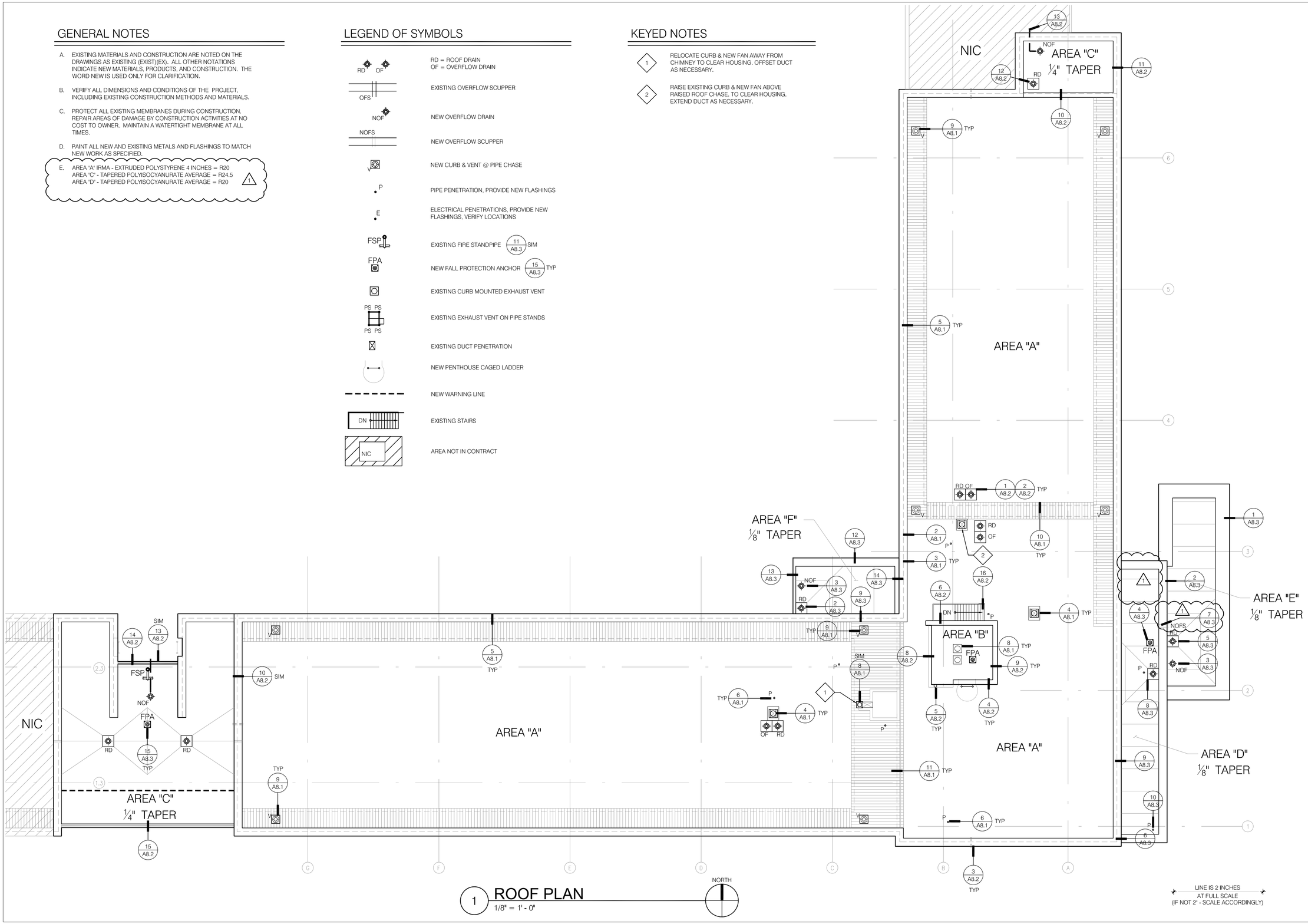
LEGEND OF SYMBOLS

RD OF — RD = ROOF DRAIN, OF = OVERFLOW DRAIN
OFS — EXISTING OVERFLOW SCUPPER
NOF — NEW OVERFLOW DRAIN
NOFS — NEW OVERFLOW SCUPPER
V — NEW CURB & VENT @ PIPE CHASE
P — PIPE PENETRATION, PROVIDE NEW FLASHINGS
E — ELECTRICAL PENETRATIONS, PROVIDE NEW FLASHINGS, VERIFY LOCATIONS
FSP — EXISTING FIRE STANDPIPE (11 / A8.3) SIM
FPA — NEW FALL PROTECTION ANCHOR (15 / A8.3) TYP
EXISTING CURB MOUNTED EXHAUST VENT
PS PS / PS PS — EXISTING EXHAUST VENT ON PIPE STANDS
EXISTING DUCT PENETRATION
NEW PENTHOUSE CAGED LADDER
NEW WARNING LINE
DN — EXISTING STAIRS
NIC — AREA NOT IN CONTRACT

KEYED NOTES

1 — RELOCATE CURB & NEW FAN AWAY FROM CHIMNEY TO CLEAR HOUSING. OFFSET DUCT AS NECESSARY.

2 — RAISE EXISTING CURB & NEW FAN ABOVE RAISED ROOF CHASE. TO CLEAR HOUSING. EXTEND DUCT AS NECESSARY.



1 ROOF PLAN
1/8" = 1' - 0"

NORTH

LINE IS 2 INCHES AT FULL SCALE (IF NOT 2" - SCALE ACCORDINGLY)

McBRIDE ARCHITECTURE PC

OSU Oregon State UNIVERSITY

UNIVERSITY HOUSING & DINING SERVICES

POLING HALL REROOFING PROJECT

SHEET TITLE: ROOF PLAN

REGISTERED ARCHITECT 2635 RICHARD L. McBRIDE PORTLAND OREGON STATE OF OREGON

Date: 03/18/2014
Revisions:
1 3/30/2014

Drawn: PAS
Check: RLM
File: 13032

Project: 13032

SHEET NUMBER: A2.2

OREGON STATE UNIVERSITY
UNIVERSITY HOUSING & DINING
MAINTANCE SHOP BLDG. REROOFING PROJECT

GENERAL NOTES

THIS FACILITY IS CURRENTLY OCCUPIED, AND IS TO REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL SEQUENCE ALL WORK TO MINIMIZE DISRUPTION OF EXISTING BUILDING AND UTILITIES, AND MAINTAIN SECURITY AND SAFE EGRESS AT ALL TIMES.

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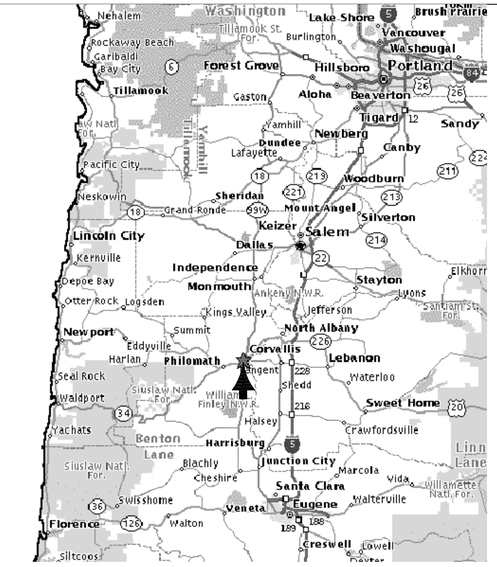
F. KEEP STAGING, PARKING AND STORAGE AREAS IN AN ORDERLY AND CLEAN CONDITION. RETURN AREAS BACK TO ORIGINAL OR BETTER CONDITION BEFORE FINAL COMPLETION.

G. COORDINATE ALL OPERATIONS, INCLUDING ACCESS TO ROOF AREAS, PARKING, STAGING, STORAGE, ETC. WITH OWNERS AUTHORIZED REPRESENTATIVE

H. UNLESS OTHERWISE INDICATED, ALL COLORS, TEXTURES AND FINISHES: MATCH EXISTING.

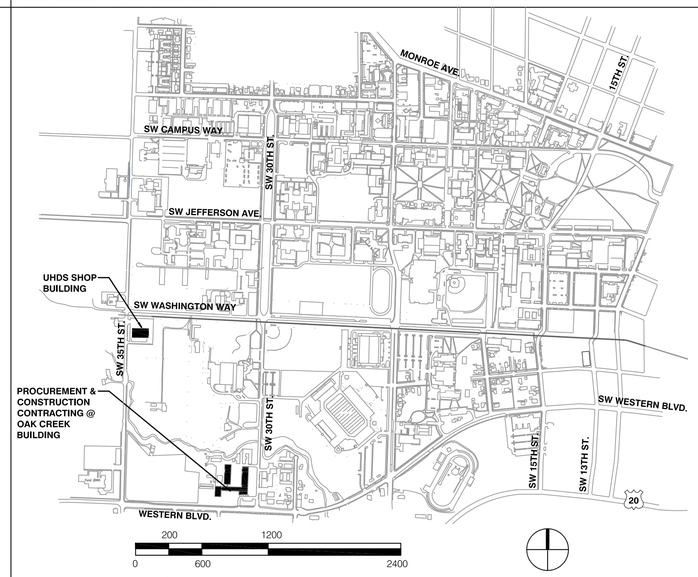
I. ALL CONCRETE LIFT SLABS ARE POST-TENSIONED. VERIFY LOCATIONS OF REINFORCING TENDONS BY GROUND PENETRATING RADAR (MARK THE SLAB WITH LOCATIONS) PRIOR TO PENETRATING THE SLAB IN ANY WAY. NOTIFY OWNER BEFORE PROCEEDING WITH CORING.

AREA MAP



SCALE IN MILES

CAMPUS MAP



SCALE IN FEET

ABBREVIATIONS

CONC.	CONCRETE
CU	CUBIC
DBL.	DOUBLE
DEMO	DEMO
DIA.	DIAMETER
EA.	EACH
EL.	ELEVATION
EX	EXISTING
F	FAHRENHEIT
FM	FACTORY MUTUAL
FT.	FOOT/FEET
GA.	GAUGE
HT.	HEIGHT
KG	KILOGRAM
LB	POUND
MIN.	MINIMUM
NO.	NUMBER
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
PSI	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
SF	SQUARE FOOT
SIM.	SIMILAR
T.O.	TOP OF
TYP	TYPICAL
W/	WITH
W/O	WITHOUT
&	AND
@	AT
"	INCH
'	FEET
/	PER
PL	STEEL PLATE
#	POUND, NUMBER
Φ	DIAMETER
℄	CENTER LINE

PROJECT DIRECTORY

OWNER: OREGON STATE UNIVERSITY
FACILITIES SERVICES
130 OAK CREEK
CORVALLIS, OREGON 97331-2001
TEL: (541) 230-0802
FAX: (541) 737-3013
ATTN: LARRIE EASTERLY
EMAIL: larrie.easterly@oregonstate.edu

ARCHITECT: MCBRIDE ARCHITECTURE, P.C.
P.O. BOX 13705
PORTLAND, OR 97213
TEL: (503) 916-1808
FAX: (503) 916-1816
ATTN: PHIL STRAND
EMAIL: phil@mcbridearchitecture.com

PROJECT SUMMARY

PROJECT DESCRIPTION:

UHDS SHOP BUILDING
OREGON STATE UNIVERSITY
CORVALLIS, OREGON 97331

PROJECT SCOPE OF WORK

REROOFING. SCOPE OF WORK INCLUDES THE FOLLOWING DIVISIONS:

- SELECTIVE DEMOLITION
- METAL FABRICATION
- ROOF CARPENTRY
- SBS MODIFIED BITUMEN ROOFING
- FLASHING & SHEET METAL
- JOINT SEALERS
- PAINTING
- BASIC MECHANICAL
- BASIC ELECTRICAL
- ROOF DRAINS

SYMBOLS

1 / A8.1 — DETAIL KEY

1 — KEYED NOTE

NORTH ARROW

FIRE HYDRANT

TOX EL. XX.X' — ELEVATION IN PLAN

MATERIALS*

DIMENSIONAL LUMBER

BLOCKING

NON-DIMENSIONAL LUMBER

RIGID INSULATION

CANT; CRICKET

STEEL

CONCRETE

PLYWOOD

* SEE INDIVIDUAL SHEETS FOR DRAWINGS SPECIFIC MATERIALS LEGENDS

BUILDING CODE

PROJECT AREA DESCRIPTION	OCCUPANCY	TYPE OF CONSTRUCTION	NO. OF STORIES	HT (FT)	REMARKS
ROOF	GROUP B	TYPE III B	1 STORY	22'	CLASS A ROOF TYPICAL

APPLICABLE CODES: 1

2010 - OREGON STRUCTURAL SPECIALTY CODE

2010 OREGON EFFICIENCY SPECIALITY CODE

2010 - OREGON FIRE CODE

2010 - OREGON MECHANICAL SPECIALTY CODE

2011 - OREGON ELECTRICAL SPECIALTY CODE

2011 - OREGON PLUMBING SPECIALTY CODE

LAST DRAWING ISSUED : DEC. 31, 2013 95% REVIEW

INDEX

KEY:

- ▼ RECORD DOCUMENTS
- ■ DRAWING ISSUED FOR PERMIT / BID
- ◩ OWNER REVIEW
- ◧ PLAN CHECK REVISIONS
- △ REVISION NUMBER

◩	G0.1	COVER SHEET, PROJECT INFORMATION
◩	A1.1	SITE PLAN
◩	A2.1	DEMOLITION ROOF PLAN
◩	A2.2	ROOF PLAN
◩	A2.3	MECHANICAL REVISION NOTES
◩	A2.4	WALKWAY PLAN
◩	A8.1	DETAILS
◩	A8.2	DETAILS
◩	A8.3	PLATFORM DETAILS
◩	S0.01	STRUCTURAL NOTES
◩	S1.01	ROOF FRAMING PLAN
◩	S4.01	GUARDRAIL ELEVATIONS
◩	S8.01	DETAILS

McBRIDE ARCHITECTURE PC

OSU Oregon State University

UNIVERSITY HOUSING & DINING SERVICES

MAINT. SHOP BLDG. REROOFING PROJECT

SHEET TITLE:
COVER SHEET PROJECT INFORMATION

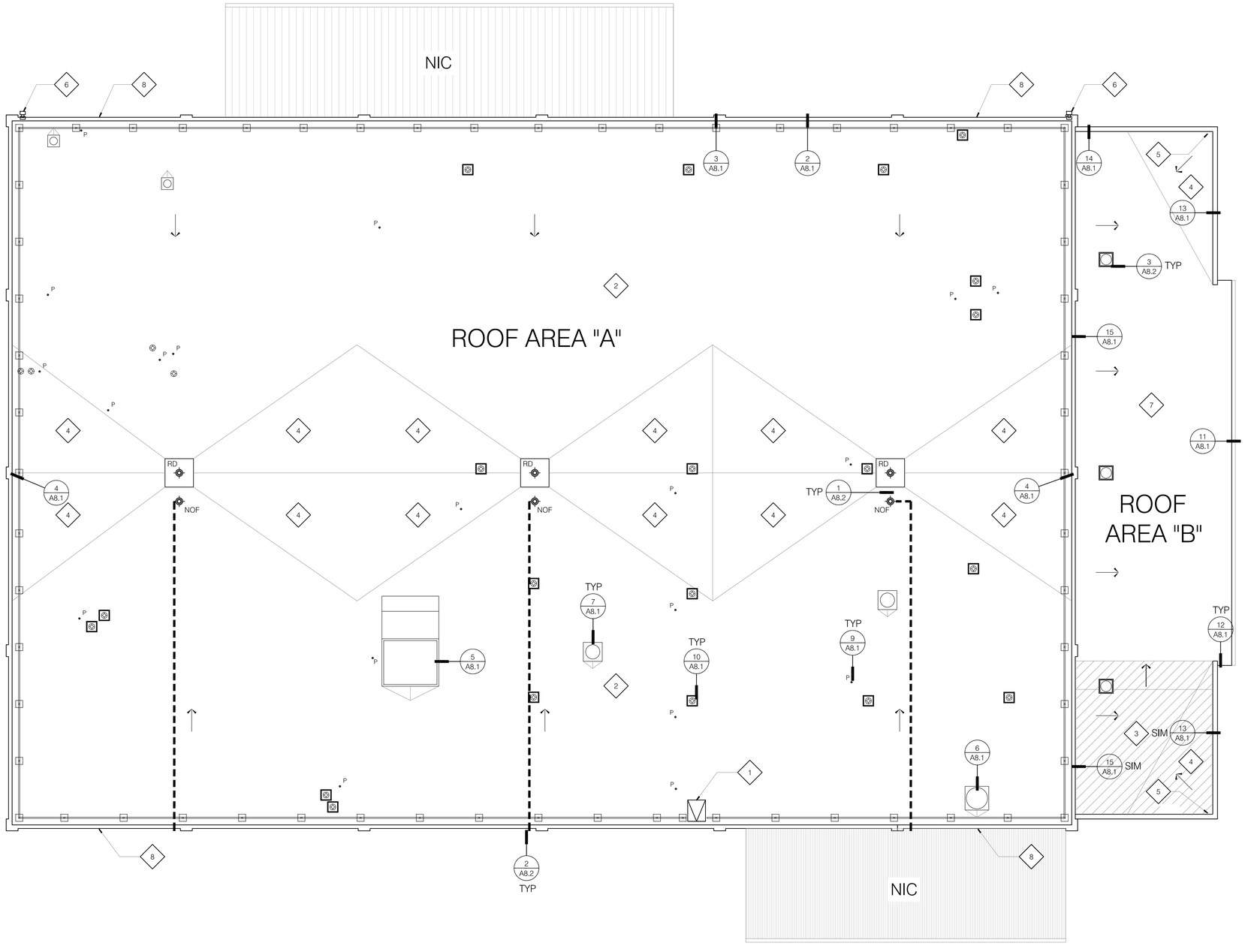
REGISTERED ARCHITECT 2635 RICHARD L. McBRIDE PORTLAND OREGON STATE OF OREGON

Date: 03/18/2014
Revisions:
△1 4/28/2014

Drawn: PAS
Check: RLM
File: G0.1
Project: 13034

SHEET NUMBER:

G0.1



1 ROOF PLAN
1/8" = 1' - 0"

NORTH

GENERAL NOTES

A. EXISTING MATERIALS AND CONSTRUCTION ARE NOTED ON THE DRAWINGS AS EXISTING (EXIST)(EX). ALL OTHER NOTATIONS INDICATE NEW MATERIALS, PRODUCTS, AND CONSTRUCTION. THE WORD NEW IS USED ONLY FOR CLARIFICATION.

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C. PROTECT ALL EXISTING MEMBRANES DURING CONSTRUCTION. REPAIR AREAS OF DAMAGE BY CONSTRUCTION ACTIVITIES AT NO COST TO OWNER. MAINTAIN A WATERTIGHT MEMBRANE AT ALL TIMES.

D. PAINT ALL NEW AND EXISTING METALS AND FLASHINGS TO MATCH NEW WORK AS SPECIFIED.

1 E. AREA 'A' - TAPERED POLYISOCYANURATE = AVERAGE = R43.5
AREA 'B' OCCUPIED OFFICE AREA - POLYISOCYANURATE 4" = R22.4

F. CRICKET MATERIAL ½" PER FOOT SLOPE.

LEGEND OF SYMBOLS

RD	RD = EXISTING ROOF DRAIN
NOF	NOF = OVERFLOW DRAIN
P	PIPE PENETRATION, PROVIDE NEW FLASHINGS
E	ELECTRICAL PENETRATIONS, PROVIDE NEW FLASHINGS, VERIFY LOCATIONS
	EXISTING CURB MOUNTED VENT
M	EXISTING CURB MOUNTED MECHANICAL UNIT
	EXHAUST STACK
	RELOCATE EXISTING PARKING LOT LIGHT TO FACE OF WALL
	NEW 42" HIGH PERIMETER RAILING SEE STRUCTURAL DRAWINGS
NIC	AREA NOT IN CONTRACT

KEYED NOTES

1. NEW ROOF ACCESS HATCH. RELOCATE TO ALIGN WITH NEW PLATFORM LADDER. ROTATE OPENING 180° TO OPEN TO NORTH AWAY FROM PARAPET CURB.
2. AREA 'A' ½" PER FOOT TAPER TO CENTER OF ROOF
3. AREA 'B' INSULATE AREA OVER LANDSCAPE & MAINTENANCE OFFICE. TAPER EDGE TO UNINSULATED WAREHOUSE
4. ½" PER FOOT TAPER CRICKET
5. ELECTRICAL SERVICE. REMOVE, EXTEND & REINSTALL AFTER NEW SHEET METAL WALL COVERING & COPING
6. RELOCATE EXISTING PARKING LOT LIGHT TO EXTERIOR WALL SIMILAR TO LIGHT ON SOUTHEAST CORNER
7. ½" DENSDECK OVERLAY BOARD
8. PATCH (FILL WITH NON-SHRINK GROUT) AND PAINT EXISTING OVERFLOW HOLE (MATCH EXISTING COLOR)

LINE IS 2 INCHES
AT FULL SCALE
(IF NOT 2" - SCALE ACCORDINGLY)

McBRIDE ARCHITECTURE PC

OSU Oregon State University

UNIVERSITY HOUSING & DINING SERVICES

MAINT. SHOP BLDG. REROOFING PROJECT

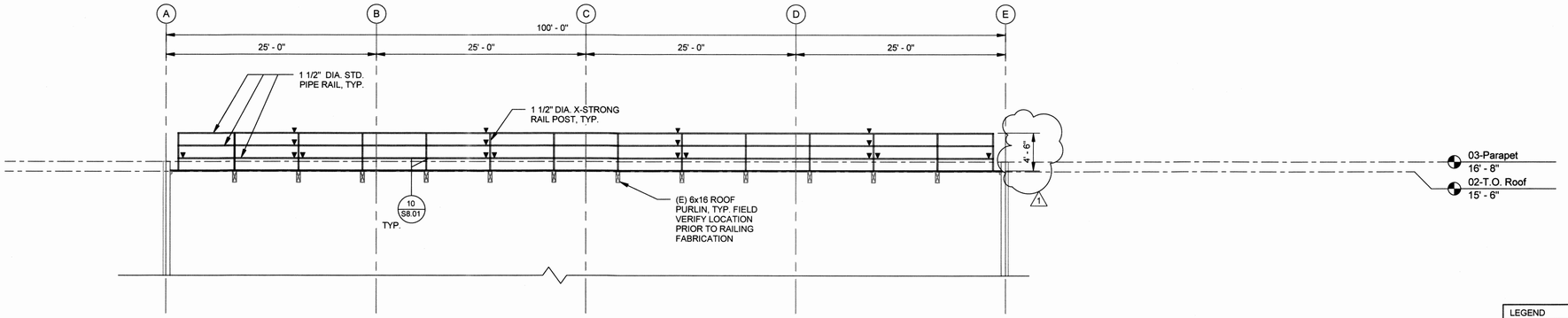
SHEET TITLE:
ROOF PLAN

REGISTERED ARCHITECT
2635
RICHARD L. McBRIDE
PORTLAND OREGON
STATE OF OREGON

Date: 03/18/2014
Revisions:
1 3/30/2014

Drawn: PAS
Check: RLM
File: A-RF
Project: 13034

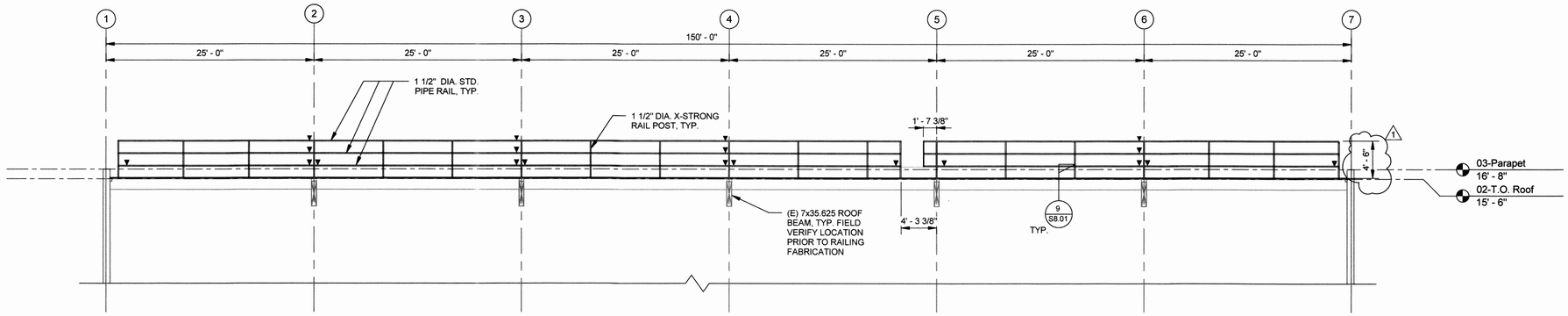
SHEET NUMBER:
A2.2



1 S4.01 **East & West Guardrail Elevation**

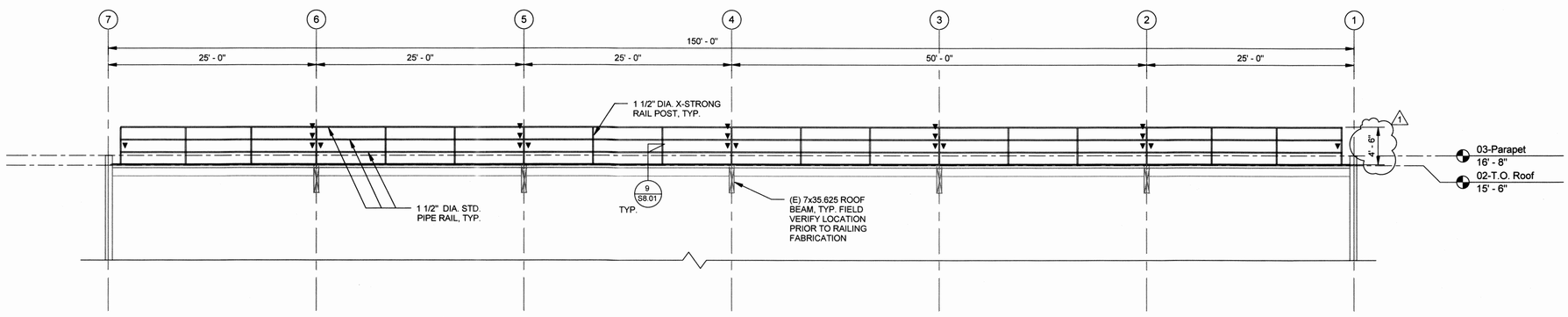
1/8" = 1'-0"

LEGEND	
▼	DENOTES EXPANSION JOINT- DETAIL 12/ S8.01



2 S4.01 **South Guardrail Elevation**

1/8" = 1'-0"



3 S4.01 **North Guardrail Elevation**

1/8" = 1'-0"

STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
15401PE
OREGON
June 30, 2014
ANDREW RYAN LEICHTI

EXPIRES: 12-31-2015

MILLER
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UHDS SHOP BLDG REROOF

MCBRIDE ARCHITECTURE P.C.

Oregon State University
Corvallis, Oregon

DRAWN BY:	JPT
CHECKED BY:	ARL
PROJECT NO:	130979
ISSUE DATE:	03.18.2014

REV	DATE	DESCRIPTION
1	05.01.2014	GUARDRAIL HEIGHT

SHEET CONTENT

GUARDRAIL ELEVATIONS

SHEET

S4.01

OREGON STATE UNIVERSITY
CROP SCIENCE BUILDING REROOFING PROJECT

GENERAL NOTES

THIS FACILITY IS CURRENTLY OCCUPIED, AND IS TO REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL SEQUENCE ALL WORK TO MINIMIZE DISRUPTION OF EXISTING BUILDING AND UTILITIES, AND MAINTAIN SECURITY AND SAFE EGRESS AT ALL TIMES.

A. EXISTING MATERIALS AND CONSTRUCTION ARE NOTED ON THE DRAWINGS AS EXISTING (E)(EX). ALL OTHER NOTATIONS INDICATE NEW MATERIALS, PRODUCTS, AND CONSTRUCTION. THE WORD NEW IS USED ONLY FOR CLARIFICATION.

B. VERIFY ALL DIMENSIONS AND CONDITIONS OF THE PROJECT, INCLUDING EXISTING CONSTRUCTION METHODS AND MATERIALS.

C. PROTECT ALL EXISTING MEMBRANES DURING CONSTRUCTION. REPAIR AREAS OF DAMAGE BY CONSTRUCTION ACTIVITIES AT NO COST TO OWNER. MAINTAIN A WATERTIGHT MEMBRANE AT ALL TIMES.

D. PAINT ALL EXISTING METALS AND FLASHINGS TO MATCH NEW WORK AS SPECIFIED.

E. MAINTAIN PROTECTED ACCESS TO AND EGRESS FROM BUILDING AT ALL TIMES.

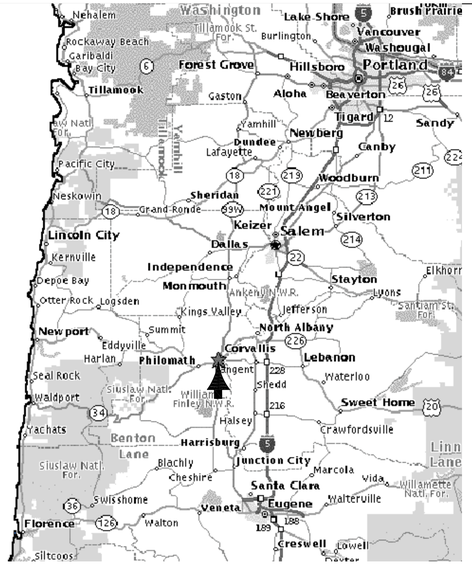
F. KEEP STAGING, PARKING AND STORAGE AREAS IN AN ORDERLY AND CLEAN CONDITION. RETURN AREAS BACK TO ORIGINAL OR BETTER CONDITION BEFORE FINAL COMPLETION.

G. COORDINATE ALL OPERATIONS, INCLUDING ACCESS TO ROOF AREAS, PARKING, STAGING, STORAGE, ETC. WITH OWNERS AUTHORIZED REPRESENTATIVE

H. UNLESS OTHERWISE INDICATED, ALL COLORS, TEXTURES AND FINISHES: MATCH EXISTING.

I. ALL CONCRETE LIFT SLABS ARE POST-TENSIONED. VERIFY LOCATIONS OF REINFORCING TENDONS BY GROUND PENETRATING RADAR (MARK THE SLAB WITH LOCATIONS) PRIOR TO PENETRATING THE SLAB IN ANY WAY. NOTIFY OWNER BEFORE PROCEEDING WITH CORING.

AREA MAP



20 80
0 40
SCALE IN MILES

NORTH

SYMBOLS

- 1 / A8.1 — DETAIL KEY
- 1 — KEYED NOTE
- NORTH ARROW
- FIRE HYDRANT
- TOX EL. XX.X' — ELEVATION IN PLAN

ABBREVIATIONS

CONC.	CONCRETE
CU	CUBIC
DBL.	DOUBLE
DEMO	DEMO
DIA.	DIAMETER
EA.	EACH
EL.	ELEVATION
EX	EXISTING
F	FAHRENHEIT
FM	FACTORY MUTUAL
FT.	FOOT/FEET
GA.	GAUGE
HT.	HEIGHT
KG	KILOGRAM
LB	POUND
MIN.	MINIMUM
NO.	NUMBER
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
PSI	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
SF	SQUARE FOOT
SIM.	SIMILAR
T.O.	TOP OF
TYP	TYPICAL
W/	WITH
W/O	WITHOUT
&	AND
@	AT
"	INCH
'	FEET
/	PER
PL	STEEL PLATE
#	POUND, NUMBER
Φ	DIAMETER
℄	CENTER LINE

MATERIALS*

- DIMENSIONAL LUMBER
- BLOCKING
- NON-DIMENSIONAL LUMBER
- RIGID INSULATION
- CANT; CRICKET
- STEEL
- CONCRETE
- PLYWOOD

* SEE INDIVIDUAL SHEETS FOR DRAWINGS SPECIFIC MATERIALS LEGENDS

PROJECT DIRECTORY

OWNER: OREGON STATE UNIVERSITY
FACILITIES SERVICES
130 OAK CREEK
CORVALLIS, OREGON 97331-2001
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EMAIL: dave.raleigh@oregonstate.edu

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ATTN: PHIL STRAND
EMAIL: phil@mcbridearchitecture.com

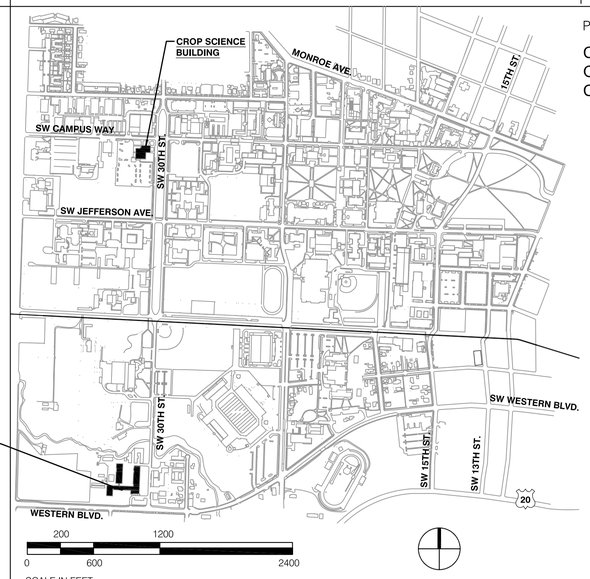
PROJECT SUMMARY

PROJECT DESCRIPTION:

REROOFING. SCOPE OF WORK INCLUDES THE FOLLOWING DIVISIONS:

- SELECTIVE DEMOLITION
- LIGHTWEIGHT INSULATING CONCRETE
- ROOF CARPENTRY
- SBS MODIFIED BITUMEN ROOFING
- JOINT SEALERS
- PAINTING
- BASIC MECHANICAL
- BASIC ELECTRICAL
- ROOF DRAINS

CAMPUS MAP



200 1200
0 600 2400
SCALE IN FEET

PROJECT DESCRIPTION:

CROP SCIENCE BUILDING
OREGON STATE UNIVERSITY
CORVALLIS, OREGON 97331

BUILDING CODE

PROJECT AREA DESCRIPTION	OCCUPANCY	TYPE OF CONSTRUCTION	NO. OF STORIES	HT (FT)	REMARKS
ROOF	GROUP B	TYPE I	4 STORIES	52'	CLASS A ROOF TYPICAL

APPLICABLE CODES: 1

2010 - OREGON STRUCTURAL SPECIALTY CODE

2010 OREGON EFFICIENCY SPECIALITY CODE

2010 - OREGON FIRE CODE

2010 - OREGON MECHANICAL SPECIALTY CODE

2011 - OREGON ELECTRICAL SPECIALTY CODE

2011 - OREGON PLUMBING SPECIALTY CODE

INDEX

LAST DRAWING ISSUED :

KEY:
- ▼ RECORD DOCUMENTS
- ■ DRAWING ISSUED FOR PERMIT / BID
- ◩ OWNER REVIEW
- ◧ PLAN CHECK REVISIONS
- △ REVISION NUMBER

MAY 4, 2014 BID / PERMIT REVISED	OCT. 31, 2013 BID / PERMIT	SEPT. 3, 2013 95% REVIEW		
◧	■	◩	G0.1	COVER SHEET, PROJECT INFORMATION
	■	◩	A1.1	SITE PLAN
	■	◩	A2.1	DEMOLITION ROOF PLAN
◧	■	◩	A2.2	ROOF PLAN
	■	◩	A2.3	WALKWAY PLAN
	■	◩	A8.1	DETAILS
	■	◩	A8.2	DETAILS
	■		S0.1	STRUCTURAL NOTES
	■		S1.1	PLAN ELEVATION
◧	■		S3.1	END ELEVATIONS
	■		S8.1	DETAILS

McBRIDE ARCHITECTURE P.C.

OSU Oregon State UNIVERSITY

CROP SCIENCE BUILDING

REROOFING PROJECT

SHEET TITLE:

COVER SHEET
PROJECT INFORMATION

REGISTERED ARCHITECT
2635
RICHARD L. McBRIDE
PORTLAND OREGON
STATE OF OREGON

Date: 03/18/2014

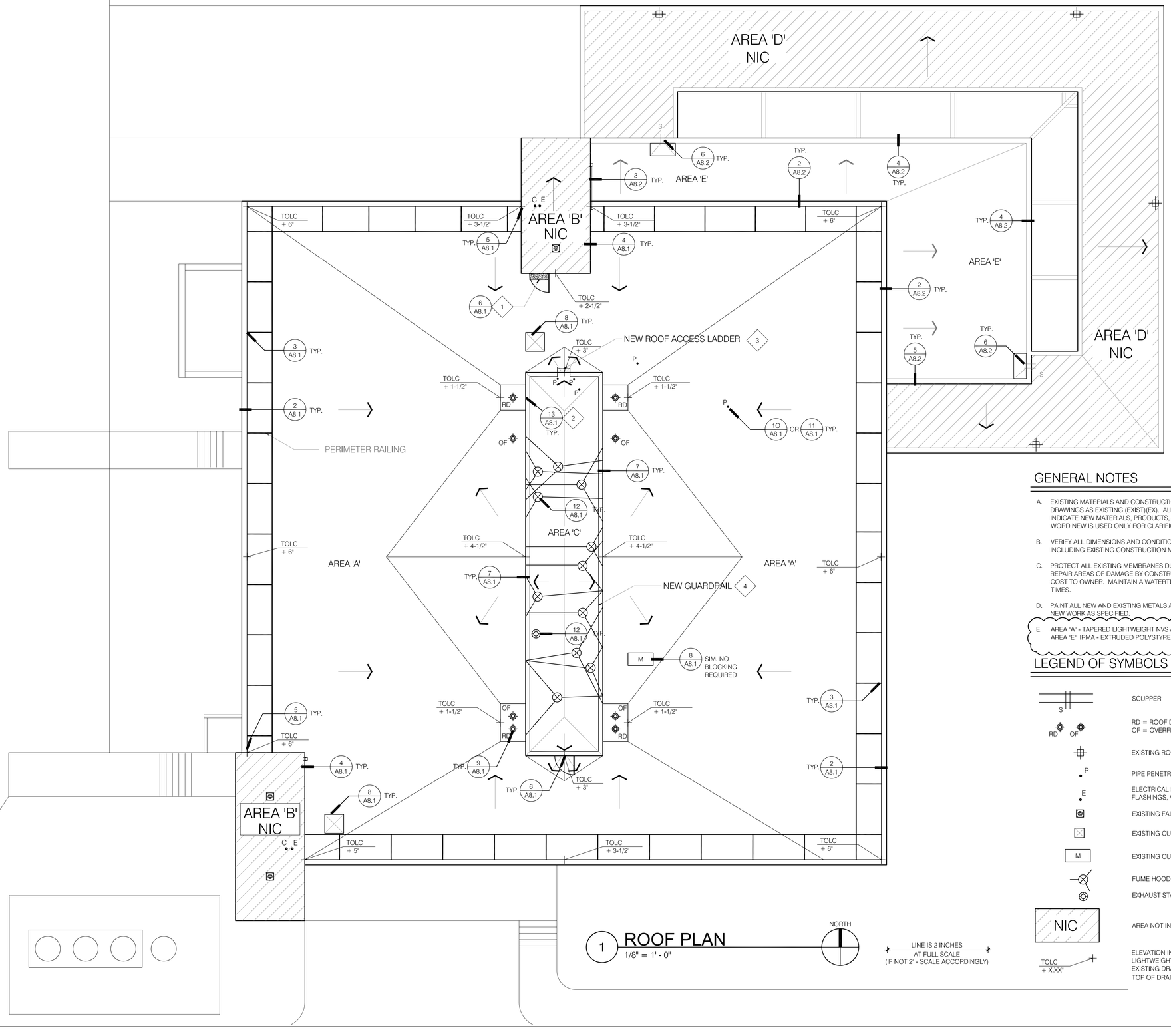
Revisions:
△ 5/4/2014

Drawn: PAS
Check: RLM
File: G0.1

Project: 13020

SHEET NUMBER:

G0.1



KEYED NOTES:

1. PROVIDE 12" x 36" x 7" CONCRETE STEP, PLACE STEP ON P-40 PROTECTION COURSE
2. PROVIDE 4 DOWNSPOUTS FROM ROOF AREA "C", 1 AT EACH DRAIN
3. NEW ROOF ACCESS LADDER, SEE STRUCTURAL DRAWINGS
4. NEW MECHANICAL MONITOR GUARDRAIL, SEE STRUCTURAL DRAWINGS

GENERAL NOTES

A. EXISTING MATERIALS AND CONSTRUCTION ARE NOTED ON THE DRAWINGS AS EXISTING (EXIST)(EX). ALL OTHER NOTATIONS INDICATE NEW MATERIALS, PRODUCTS, AND CONSTRUCTION. THE WORD NEW IS USED ONLY FOR CLARIFICATION.

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D. PAINT ALL NEW AND EXISTING METALS AND FLASHINGS TO MATCH NEW WORK AS SPECIFIED.

E. AREA "A" - TAPERED LIGHTWEIGHT NVS AVERAGE = R20 (1)
AREA "E" IRMA - EXTRUDED POLYSTYRENE 4 INCHES = R20

LEGEND OF SYMBOLS

- S — SCUPPER
- RD OF — RD = ROOF DRAIN; OF = OVERFLOW DRAIN
- EXISTING ROOF DRAIN NOT IN CONTRACT
- P — PIPE PENETRATION, PROVIDE NEW FLASHINGS
- E — ELECTRICAL PENETRATIONS, PROVIDE NEW FLASHINGS, VERIFY LOCATIONS
- EXISTING FALL PROTECTION ANCHOR
- EXISTING CURB MOUNTED VENT
- M — EXISTING CURB MOUNTED MECHANICAL UNIT
- FUME HOOD WITH GUY WIRES
- EXHAUST STACK
- NIC — AREA NOT IN CONTRACT
- TOLC + X.XX" — ELEVATION IN PLAN: TOLC = TOP OF LIGHTWEIGHT INSULATING CONCRETE; EXISTING DRAINS 0'-00"; TOP OF DRAIN SUMP +0-1 ½"

1 ROOF PLAN
1/8" = 1' - 0"

NORTH

LINE IS 2 INCHES AT FULL SCALE (IF NOT 2" - SCALE ACCORDINGLY)

McBRIDE ARCHITECTURE PC

OSU Oregon State UNIVERSITY

CROP SCIENCE BUILDING

REROOFING PROJECT

SHEET TITLE:
ROOF PLAN

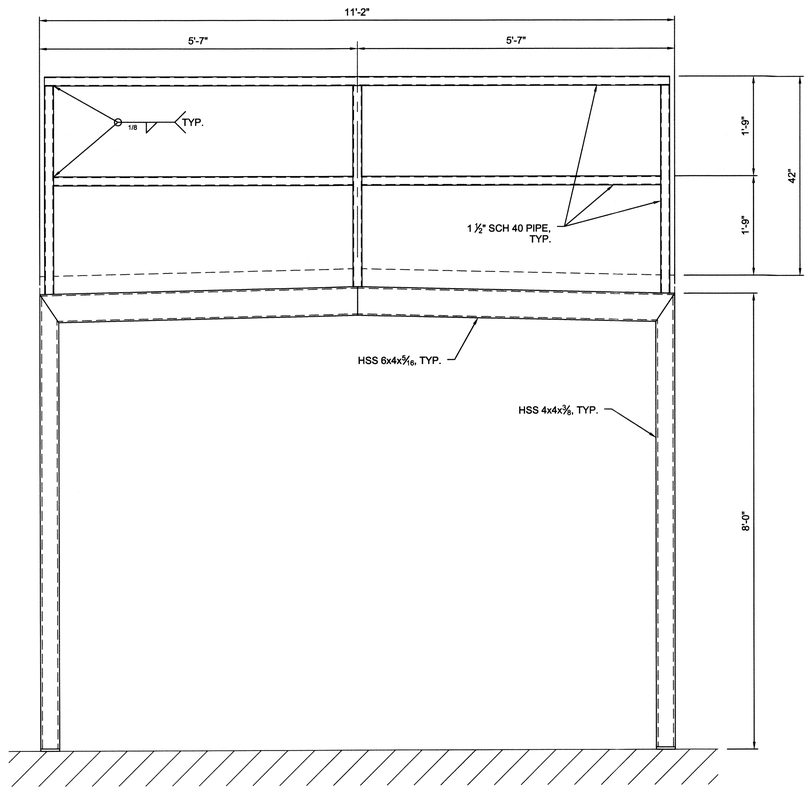
REGISTERED ARCHITECT
2635
RICHARD L. McBRIDE
PORTLAND OREGON
STATE OF OREGON

Date: 03/18/2014
Revisions:
1 5/4/2014

Drawn: PAS
Check: RLM
File: A-RF

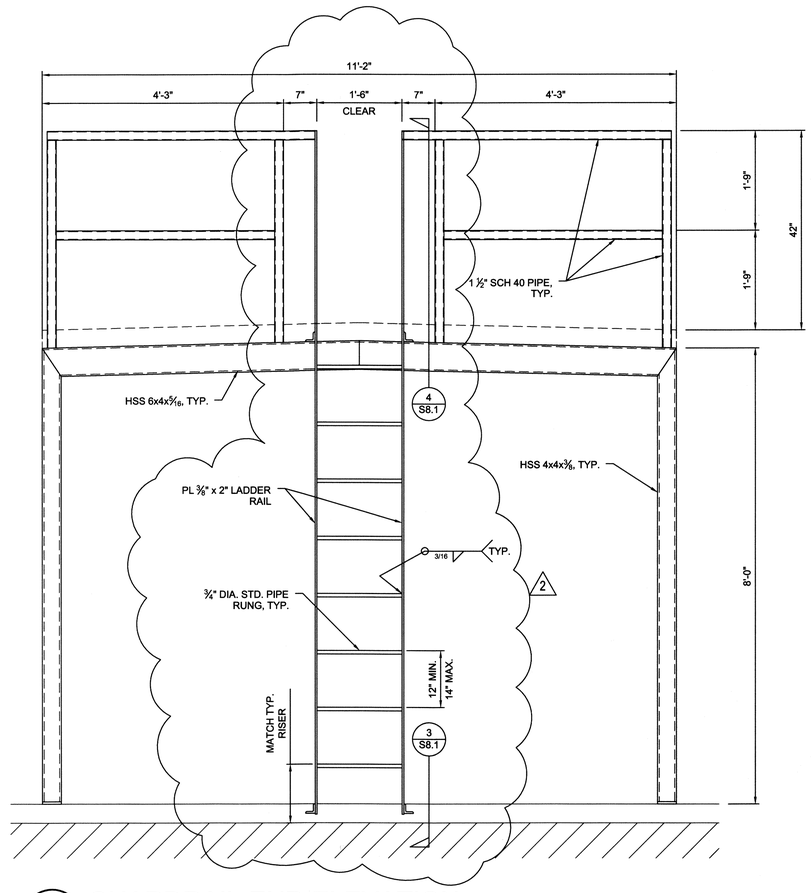
Project: 13020

SHEET NUMBER:
A2.2



1 S3.1 GUARDRAIL END ELEVATION

3/4" = 1'-0"



2 S3.1 GUARDRAIL END ELEVATION

3/4" = 1'-0"

MCBRIDE ARCHITECTURE PC

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OSU Oregon State University

CROP SCIENCE BUILDING

REROOFING PROJECT

SHEET TITLE:
END ELEVATIONS

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 65401PE OREGON June 29, 2014 ANDREW RYAN LEICHTI

EXPIRES: 12 - 31 - 2014

Date: 03/18/2014

Revisions:
1 04/29/2014

Drawn: BCH
Check:
File:

Project: 130899

SHEET NUMBER:

S3.1