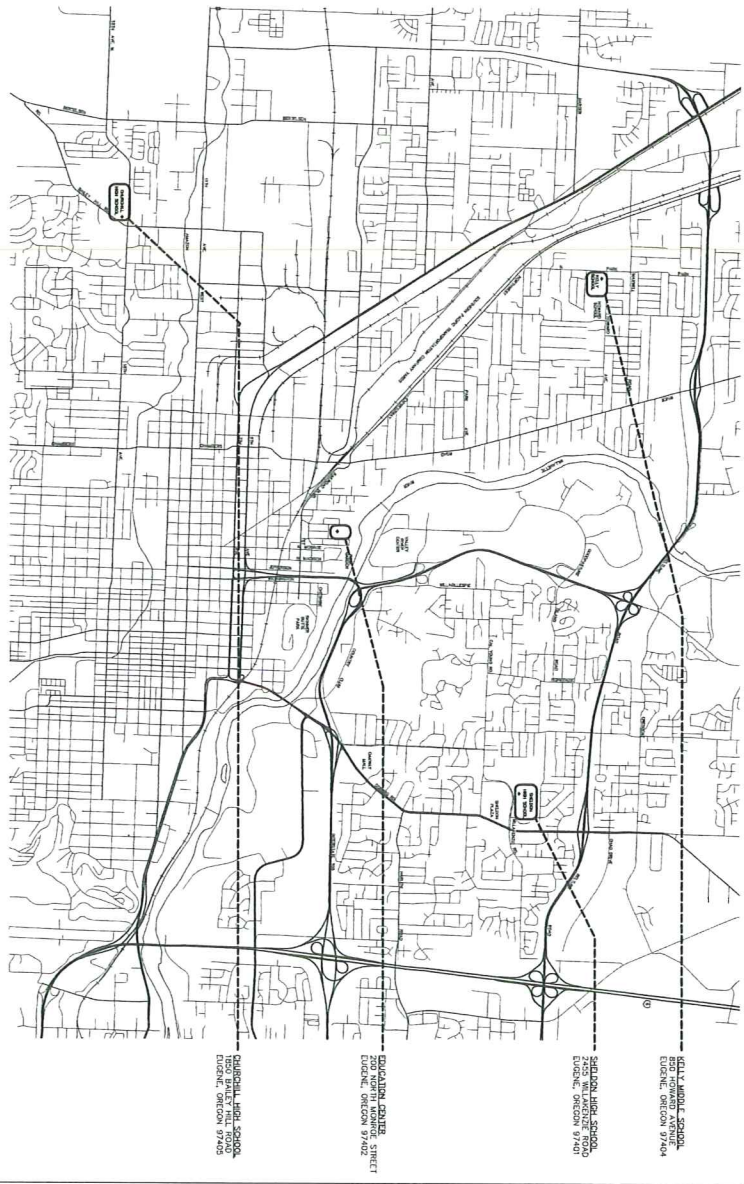


# Multisite Roofing 2014

## C.I.P.#420.780.209

### Churchill High School, Sheldon Middle School, Kelly Middle School & Education Center Eugene School District 4J, Eugene, Oregon

**A**  
**A1**  
VICINITY MAP  
NOT TO SCALE



**ABBREVIATIONS**

AA	ALUMINUM
BLK	BLACK
BR	BROWN
BU	BUILT-UP ROOF
CM	CONCRETE MASONRY
CON	CONCRETE
CS	CORRUGATED STEEL SHEETING
D	DETAIL
E	EXISTING
EQ	EQUAL
FL	FLASHING
GA	GALVANIZED
INS	INSULATION
IR	IMPROVED
MB	METAL BRIMEN
MM	MINERAL WOOL
MT	METAL
MTS	METAL STUDS
N.C.	NOT CALLED
PC	PERFORATED CORRUGATED
PF	PRE-FINISHED
PF-TN	PRE-FINISHED TYPICAL
SM	STAINLESS METAL
SS	STAINLESS STEEL
UN	UNFINISHED
UNO	UNLESS OTHERWISE NOTED
VE	VERTICAL
W	WITH

**SYMBOLS**

	KEYED NOTE REFERENCE
	DETAIL REFERENCE

**PROJECT TEAM**

<b>OWNER</b>	EGOR PUBLIC SCHOOL DISTRICT 4J 215 W. 4th AVENUE EUGENE, OREGON 97402 541-780-7421 (FAX)
<b>MECHANICAL ENGINEER</b>	ROBERTSON/SHERWOOD/ARCHITECTS PC 2100 W. 11th AVENUE EUGENE, OREGON 97402 541-84-0101 (FAX)
<b>ELECTRICAL ENGINEER</b>	AJO ENGINEERING, LLC 2110 5th AVENUE EUGENE, OREGON 97402 541-915-0800
<b>ARCHITECT</b>	ROBERTSON/SHERWOOD/ARCHITECTS PC 2100 W. 11th AVENUE EUGENE, OREGON 97402 541-84-0101 (FAX)
<b>STRUCTURAL ENGINEER</b>	WETZEL ENGINEERING GROUP 2200 W. 11th AVENUE EUGENE, OREGON 97402 541-344-3101 (FAX)
<b>ELECTRICAL ENGINEER</b>	AJO ENGINEERING, LLC 2110 5th AVENUE EUGENE, OREGON 97402 541-915-0800

**SHEET INDEX**

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	E1 ELECTRICAL PLANS

**CODE INFORMATION**

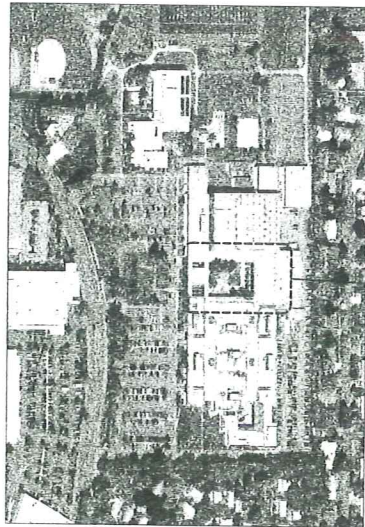
<b>APPLICABLE CODE</b>	2010 OREGON STRUCTURAL SPECIFIC CODE
<b>OCCUPANCY</b>	BAKED UPON 2009 INTERNATIONAL BUILDING CODE
<b>CONSTRUCTION TYPES</b>	SCHOOL CLASSROOM: E
<b>EXISTING BUILDINGS</b>	CHURCHILL HIGH SCHOOL, TYPE 1-B
<b>NEW BUILDINGS</b>	KELLY MIDDLE SCHOOL, TYPE 3-B, SPRINKLERED
<b>EXCEPTIONS</b>	EXCEPTION CENTER, W/200

Drawn By BDH Checked Date 5/15/14 Project 1402	COVER SHEET DRAWING INDEX VICINITY PLAN	REGISTERED ARCHITECTS STATE OF OREGON 132 East Broadway, Suite 540 Eugene, Oregon 97401 P 541   342.8077 F 541   345.4300 www.robertsonsherwood.com	MULTISITE ROOFING 2014 - C.I.P. #420.780.209 Churchill High School, Sheldon High School, Kelly Middle School, & Education Center	4J SCHOOL DISTRICT EUGENE, OREGON
	A1			



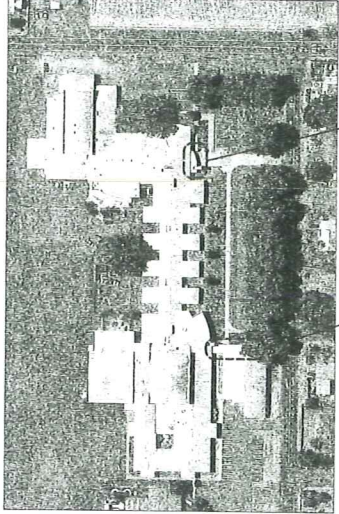
AREA OF WORK, SEE SHEETS A3-A6, A1, & E1

CHURCHILL HIGH SCHOOL  
1000 DALLAS HILL ROAD  
EUGENE, OREGON 97402



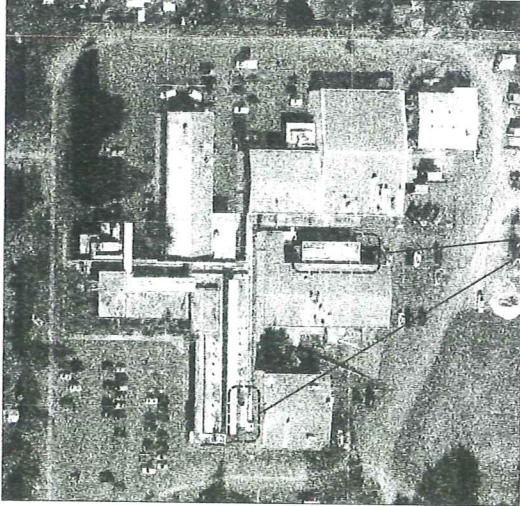
AREA OF WORK, SEE B/C2

2400 HIGH SCHOOL  
2400 WILLAMETTE AVENUE  
EUGENE, OREGON 97401



AREA OF WORK, SEE D/A9

KELLY MIDDLE SCHOOL  
1000 DALLAS HILL ROAD  
EUGENE, OREGON 97402



AREA OF WORK, SEE SHEET A10

EDUCATION CENTER  
200 N. WASHINGTON STREET  
EUGENE, OREGON 97401

### SCOPE OF WORK

#### CHURCHILL HIGH SCHOOL

- REMOVE EXISTING ROOF MATERIAL AND SHEET METAL DOWN TO DECK. USE HAND SPRINGING DEMOLITION ONLY; DO NOT USE MECHANICAL SPRINGING. REMOVE EXISTING ROOF MATERIALS TO BE REUSED. EXISTING ROOF MATERIALS TO BE REUSED. INSULATION BOARD, EXISTING WOOD FRAMING SHALL REMAIN WHERE POSSIBLE. REMOVE THE UNDER LAYERS, THE PRE-STRESSED CONCRETE T-BEAMS.
- REMOVE EXISTING MECHANICAL, SCIENCE & FRAMING OUT OR OVERHANG REMOVE PRE-CAST CONCRETE SLABS WITH EXISTING DECK.
- REMOVE HANG UNIT AS INDICATED AND INSTALL NEW CONDENSING UNITS.
- REMOVE AIR VENTS, ROOF VENTS AND OTHER EQUIPMENT AS REQUIRED TO EXTEND CHIMES AND INSTALL FLASHINGS AS REQUIRED. REMOVE EXISTING FLASHINGS WITH NEW.
- INSTALL NEW BUILT-UP ROOF, FLASHINGS, AND OTHER ITEMS AS DETAIL AND SPECIFIED.
- REMOVE EXISTING ROOF VENTS AND OTHER EQUIPMENT AS REQUIRED TO EXTEND CHIMES AND METAL FLASHINGS AS REQUIRED. REMOVE EXISTING FLASHINGS WITH NEW.

#### KELLY MIDDLE SCHOOL

- REMOVE EXISTING METAL ROOFING AND DEMO INSULATION DOWN TO METAL DECK. USE HAND SPRINGING DEMOLITION ONLY; DO NOT USE MECHANICAL SPRINGING.
- INSTALL NEW SHINGLE-FLY ROOFING AND FLASHING.

#### EDUCATION CENTER

#### EDUCATION CENTER, ROOF OVER FREEZERS

- REMOVE EXISTING ROOF MATERIAL AND SHEET METAL DOWN TO DECK. USE HAND SPRINGING DEMOLITION ONLY; DO NOT USE MECHANICAL SPRINGING. REMOVE EXISTING ROOF MATERIALS TO BE REUSED. EXISTING ROOF MATERIALS TO BE REUSED. INSULATION BOARD, EXISTING WOOD FRAMING SHALL REMAIN WHERE POSSIBLE. REMOVE THE UNDER LAYERS, THE PRE-STRESSED CONCRETE T-BEAMS.
- REMOVE EXISTING MECHANICAL, SCIENCE & FRAMING OUT OR OVERHANG REMOVE PRE-CAST CONCRETE SLABS WITH EXISTING DECK.
- REMOVE AIR VENTS, ROOF VENTS AND OTHER EQUIPMENT AS REQUIRED TO EXTEND CHIMES AND METAL FLASHINGS AS REQUIRED. REMOVE EXISTING FLASHINGS WITH NEW.
- INSTALL NEW BUILT-UP ROOF, FLASHINGS, AND OTHER ITEMS AS DETAIL AND SPECIFIED.
- REMOVE EXISTING ROOF VENTS AND OTHER EQUIPMENT AS REQUIRED TO EXTEND CHIMES AND METAL FLASHINGS AS REQUIRED. REMOVE EXISTING FLASHINGS WITH NEW.

### GENERAL NOTES

- PROTECT EXISTING BUILDINGS, YARDS, AND ADJACENT ROOF SURFACES FROM DAMAGE AND DAMAGE REPAIR DAMAGE OCCURRING DURING THE WORK.
- VERIFY DIMENSIONS AND LOCATIONS OF ROOF PENETRATIONS ARE APPROXIMATE. VERIFY DIMENSIONS, LOCATIONS, AND QUANTITIES OF ALL ROOF PENETRATIONS FOR DECK AND REPORT UNSATISFACTORY CONDITIONS TO ARCHITECT FOR RESOLVE.
- VERIFY ROOF SUBSTRATE FOR DECK AND REPORT UNSATISFACTORY CONDITIONS TO ARCHITECT FOR RESOLVE.
- VERIFY ROOF SUBSTRATE FOR DECK AND REPORT UNSATISFACTORY CONDITIONS TO ARCHITECT FOR RESOLVE.
- REMOVE EXISTING DECKING AND LIGHT FIXTURES DAMAGED DURING TAKE-OFF, DEMO IMPROVEMENTS, AND REPAIRING WORK.
- VERIFY LOCATIONS OF STANDING AREAS WITH OWNER.
- DETAILS SHOW MINIMUM REQUIREMENTS FOR ROOFING COMPONENTS; FOLLOW SELECTED MANUFACTURERS REQUIREMENTS WHEN SPECIFIED.
- DISCONNECT ELECTRICAL & CONDUIT ASPECTS BY THE WORK. REMOVE CONDUIT TO REMOVAL UNITS, RECONNECT AND TEST OPERATION OF UNITS. ELECTRICAL WORK SHALL BE PERFORMED BY LICENSED ELECTRICAL CONTRACTORS.
- AT CHANGES IN ROOF PLANE, EDGE ROOFS WITH CHAIR STRIPS AND PARALLEL DECK STRIPS.
- WHERE EXISTING WOOD ROOF DECKING IS TO BE EXPOSED DURING DEMOLITION, INSTALL PLASTER SHEETS IN SPACES BELOW TO CATCH DRIP. AFTER PLASTER IS REMOVED, ENSURE THAT ALL STAPLES AND/OR NAIL FASTENERS ARE ALSO REMOVED.

### FASTENING SCHEDULE

WOODER BRACKET FLASHING:	LARGE HEAD SHEET OR APPROVED NAILS
METAL FLASHING AT AIR VENT, AND PITCH ROOFETS:	LARGE HEAD NAIL SPACING: 8" O.C.
OVERLAPS, SQUARE FLASHING:	LARGE HEAD NAIL SPACING: 12 GA. GALV. ROOFING NAILS AT 4" O.C.
PRE-FINISHED SHEET METAL FLASHING AT CHIMES:	LARGE HEAD NAIL SPACING: 12 GA. GALV. ROOFING NAILS AT EACH CORNER
PRE-FINISHED FLASHING AND COMPARTMENTING:	PRE-FINISHED SHEET METAL FLASHING WITH HERMETIC MASSING AT 24" O.C.
SURGICAL MOUNT REGLETTS TO CONCRETE OR MASSCON:	COMPRESSION PING AT 8" O.C. AT REGLET. FULL SCALANT RECEIPTAGE WITH SOLICANT.
CONTINUOUS FLASHING AND REGLETTS TO WOOD:	GALVANIZED NAILS AT 17" O.C.
SHIMLASH PAINS:	(2) ROOF SHEETS TO SHEET METAL, COMPARTMENTING WHERE POSSIBLE, OTHERWISE, SET IN MASTIC.
RYNWOOD FLASHING:	100 GALV. NAILS AT 17" O.C. AT WOOD FLASHING, AT CONCRETE OR GALV. COMPRESSON PING AT 10" O.C. THROUGHOUT 1/4" DOWN.

### SITE PLANS GENERAL NOTES

Drawn By:	BDH
Checked:	[Signature]
Date:	5/15/14
Project:	1402

**A2**

### Robertson Sherwood Architects pc

132 East Broadway, Suite 540  
Eugene, Oregon 97401

P 541 | 342.8077  
F 541 | 345.4302

www.robertsonsherwood.com

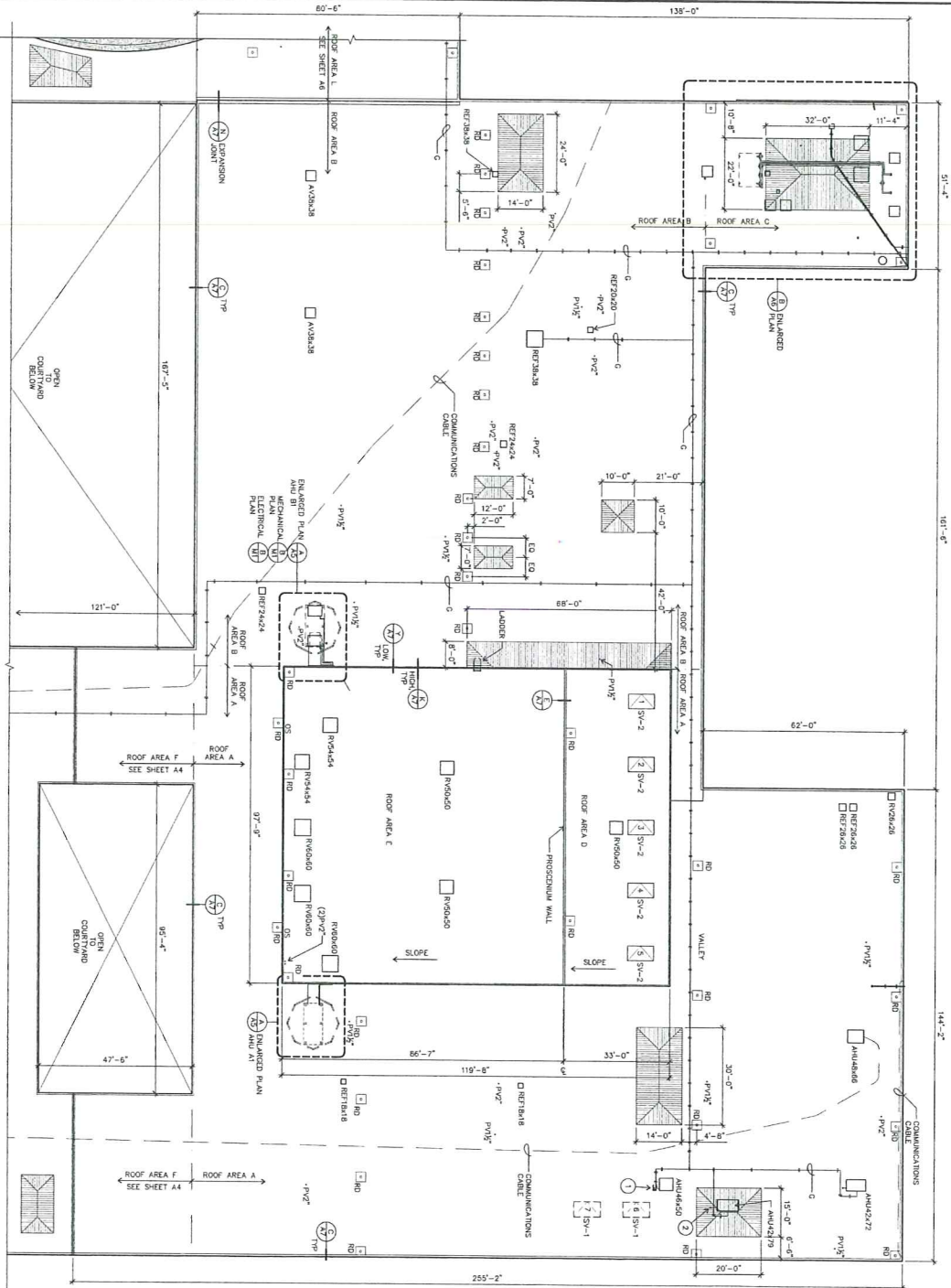


MULTITRISTE ROOFING 2014 - C.I.P. #420,780,209  
Churchill High School, Sheldon High School, Kelly Middle School, & Education Center

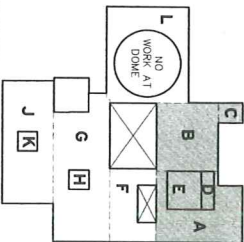
4J SCHOOL DISTRICT  
EUGENE, OREGON

A3  
1/8" = 1'-0"

CHURCHILL HIGH SCHOOL ROOF PLAN - AREAS A - E



KEY PLAN



NTS

ROOF PLAN LEGEND

NOTE: SIZES OF ROOF PENETRATIONS AND CURBS INDICATED IN NOTES.

- 1. TYPICAL THERMO INSULATION AT LOW AREAS OF PENETRATIONS TO BE INDICATED BY A DOTTED LINE.
- 2. ARROWS INDICATE DIRECTION OF SLOPE.
- 3. AIR HANDLING UNIT (AHU)
- 4. AIR VENTILATOR (AV)
- 5. GAS PIPE: PROVIDE NEW SUPPORT RESTRAINTS AT 8'-0" OC.
- 6. PITCH ROOF (PR)
- 7. FLASHING CURB (FC)
- 8. OVERFLOW SCOPPER TYPE (OST)
- 9. ROOF DRAIN (RD)
- 10. ROOF EXHAUST FAN (REF)
- 11. SMOKE VENT (SV)
- 12. SMOKE VENT TO BE REINFORCED (SV-C)
- 13. SMOKE VENT TO BE REPLACED (SV-R)
- 14. SMOKE VENT TO BE REPLACED (SV-R)
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- 100. SMOKE VENT TO BE REPLACED (SV-R)

KEY NOTES

1. MATCH BOX WITH FLEETLINE CURB PENETRATION: PROVIDE SUPPORT RESTRAINT AND CONE FLASHING (1) PLACED
2. FLEETLINE CURB PENETRATION: PROVIDE CONE FLASHING (2) PLACED

GENERAL NOTES

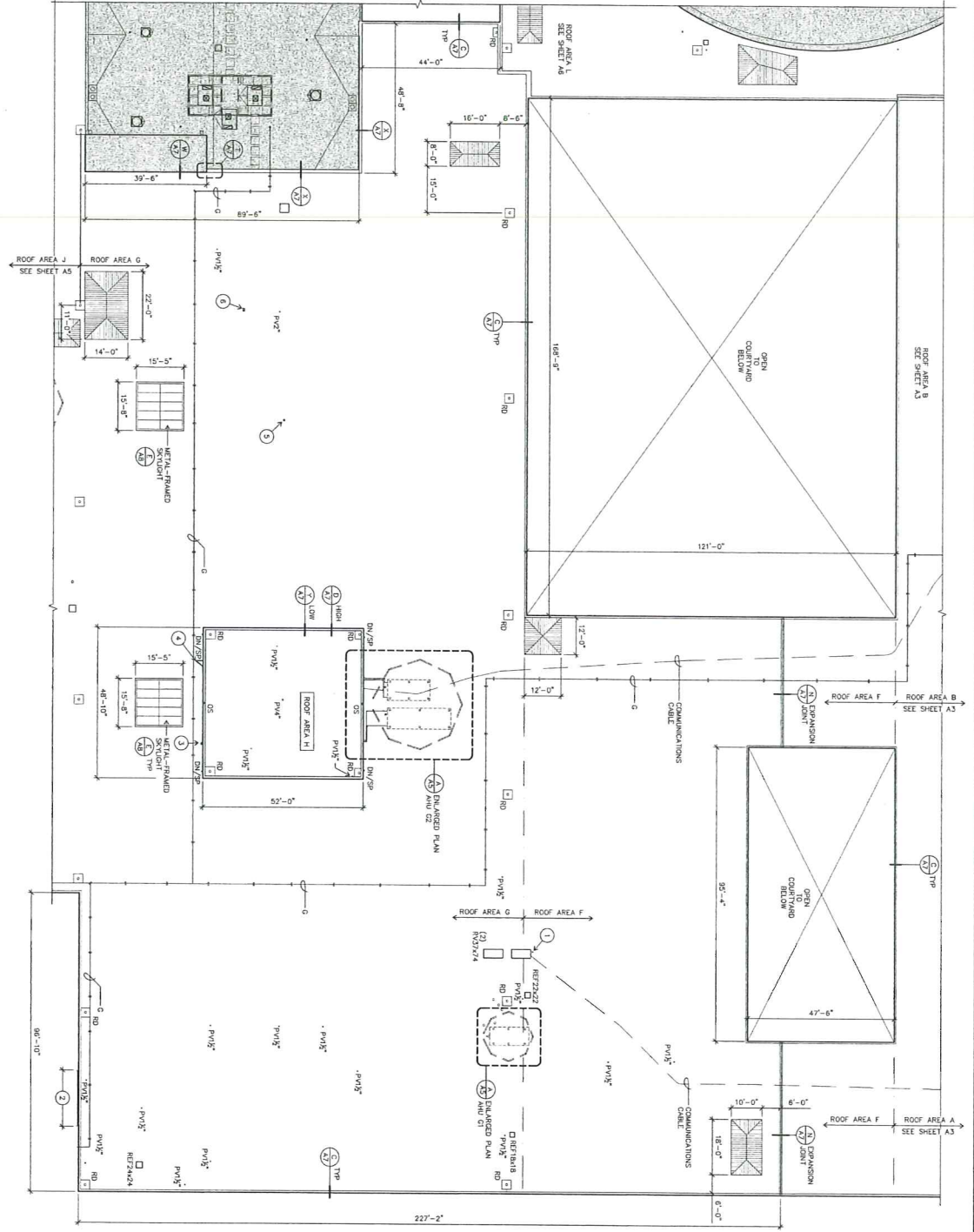
1. SEE A17 FOR DESCRIPTION OF ROOF ASSEMBLY.
2. NECESSARY AS INDICATED IN DETAILS. DO NOT TRADE CURBS AT AIR HANDLING UNITS (AHU).
3. RE-ESTABLISH ROOF DRAINS WHERE FURNISHING CONVERTED TO DOWNSPOUTS. BRUSH.

Drawn By	BDH	<b>CHURCHILL HIGH SCHOOL</b> <b>ROOF PLAN</b> <b>AREAS A - E</b>
Checked	[Signature]	
Date	5/15/14	
Project	1402	

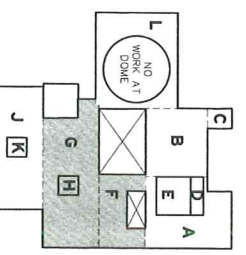
A3

<b>Robertson Sherwood Architects pc</b> 132 East Broadway, Suite 540 Eugene, Oregon 97401		P 541.342.6077 F 541.345.4302 www.robertsonsherwood.com	
MULTISITE ROOFING 2014 - C.I.P. #420.780.209 Churchill High School, Sheldon High School, Kelly Middle School, & Education Center		REGISTERED ARCHITECT 4J SCHOOL DISTRICT EUGENE, OREGON	

**A4**  
1/8" = 1'-0"  
**CHURCHILL HIGH SCHOOL ROOF PLAN - AREAS D & E**



**KEY PLAN**



Drawn By	BDH
Checked	[Signature]
Date	5/15/14
Project	1402

**CHURCHILL HIGH SCHOOL  
ROOF PLAN - AREAS F - H**

- KEY NOTES (1 PLACE EACH)**
- ELECTRICAL CONDUIT PENETRATION, PROVIDE CORE FLASHING (A)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (B)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (C)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (D)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (E)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (F)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (G)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (H)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (I)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (J)
- GENERAL NOTES**
- SEE A/J3 FOR DESCRIPTION OF ROOF ASSEMBLY.
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (K)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (L)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (M)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (N)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (O)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (P)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (Q)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (R)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (S)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (T)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (U)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (V)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (W)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (X)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (Y)
  - REMOVE EXISTING ROOFING AND INSULATION TO EXPOSE STRUCTURE (Z)

**ROOF PLAN LEGEND**

NOTE: SIZES OF ROOF PENETRATIONS AND CURBS INDICATED IN INCHES.

SHADING INDICATES AREAS OF NO WORK.

ARROWS INDICATE DIRECTION OF SLOPE.

TYPICAL TAPERED INSULATION AT LOW AREAS OF DECK. SLOPE 1/4" FROM CENTER ROOF TO DECK.

KEY:

- AHU (C) AIR HANDLING UNIT (A)
- AV (E) AIR VENTILATOR (A)
- DN (E) DOWNPOUT NOZZLE (NO WORK)
- C (E) GAS PIPE: PROVIDE NEW SUPPORT FEETSTALS AT 8'-0" OC
- OS (E) OVERFLOW SCOPING (A) 2" DIA
- PP (E) PITCH PRODUCT (A)
- PV (E) PLUMBING VENT (A)
- RD (E) ROOF DRAIN (A)
- REF (E) ROOF EXHAUST FAN (A)
- PV (E) ROOF VENTS AIR (A)
- SP (E) SPLIT FAN (A)

**Robertson Sherwood Architects pc**

132 East Broadway, Suite 540  
Eugene, Oregon 97401

P 541 342.8077  
F 541 345.4302

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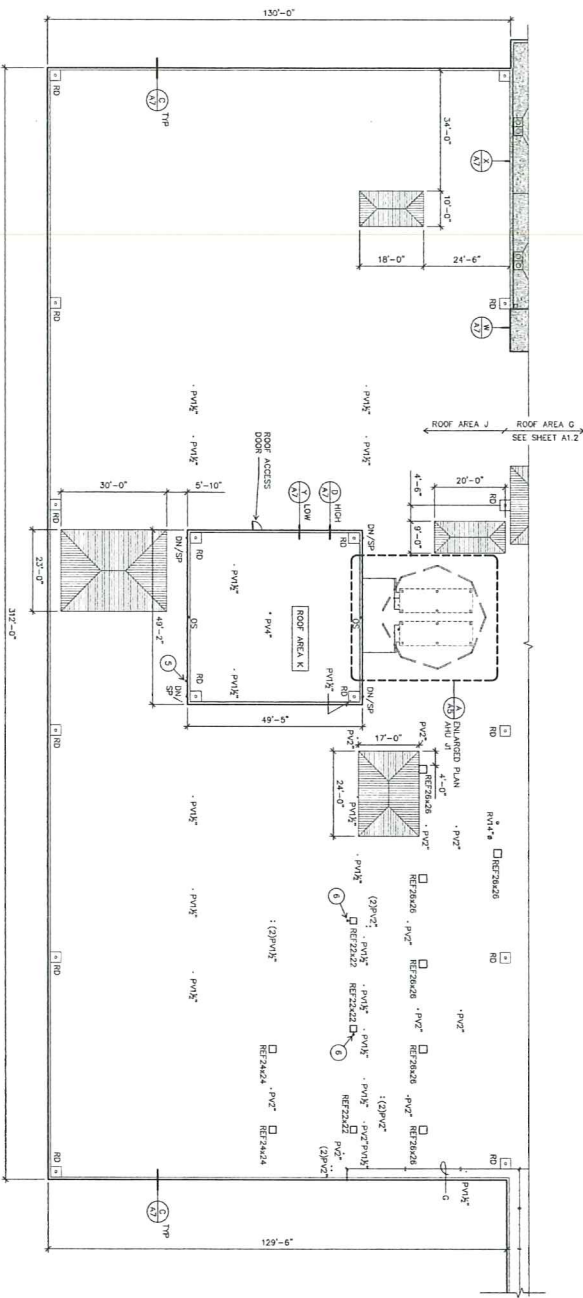
**MULTISITE ROOFING 2014 - C.I.P. #420,760,209**  
Churchill High School, Shelton High School, Kelly Middle School, & Education Center

4J SCHOOL DISTRICT  
EUGENE, OREGON

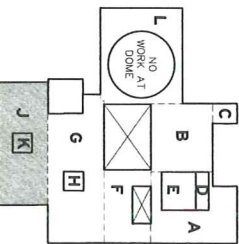
REGISTERED ARCHITECT  
STATE OF OREGON

**B**  
1/16" = 1'-0"

**CHURCHILL HIGH SCHOOL ROOF PLAN - AREAS J & K**



**KEY PLAN**  
NTS



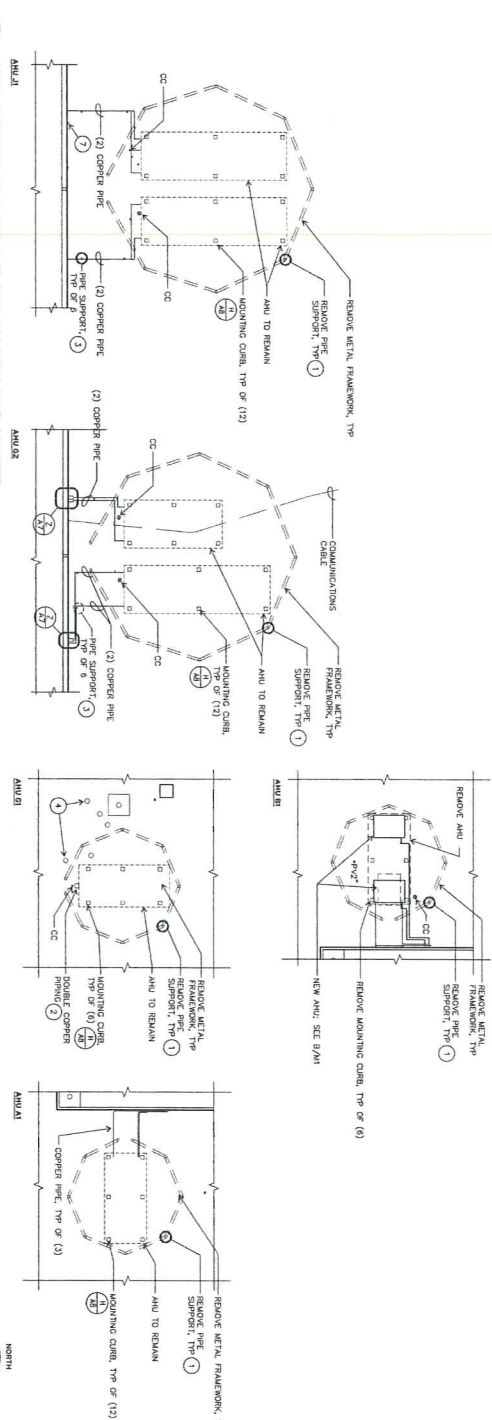
**AS**  
Drawn By: BDH  
Checked: [ ]  
Date: 5/15/14  
Project: 1402

**CHURCHILL HIGH SCHOOL  
ROOF PLAN - AREAS J & K,  
ENLARGED PLANS**

- GENERAL NOTES**
1. SEE A-17 FOR DESCRIPTION OF ROOF ASSEMBLY.
  2. EXISTING CURBS, PLUMBING UNITS, AND OTHER FLOOR MOUNTED AIR HANDLING UNITS (AHU) SHALL BE REMOVED AND NEW UNITS SHALL BE RE-ESTABLISHED ROOF BRANS WHERE PREVIOUSLY CONNECTED TO DOWNROCK DRUMS.
  3. DO NOT DISTURB CORNER RETENTION UNITS.

**A**  
1/8" = 1'-0"

**ENLARGED PLANS AT AIR HANDLING UNITS**

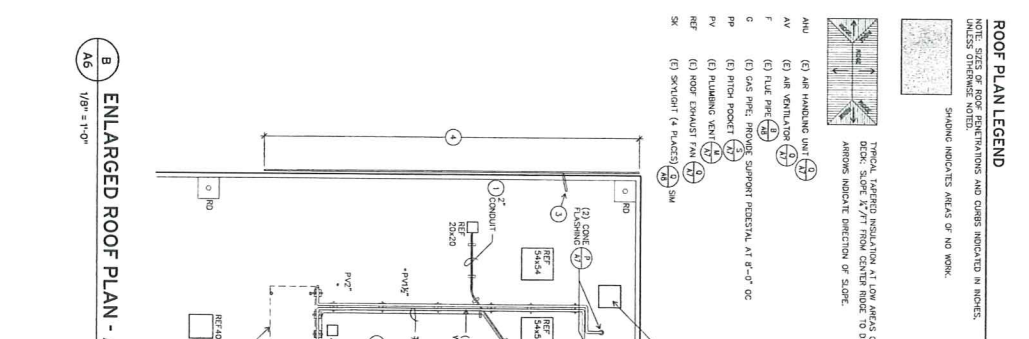
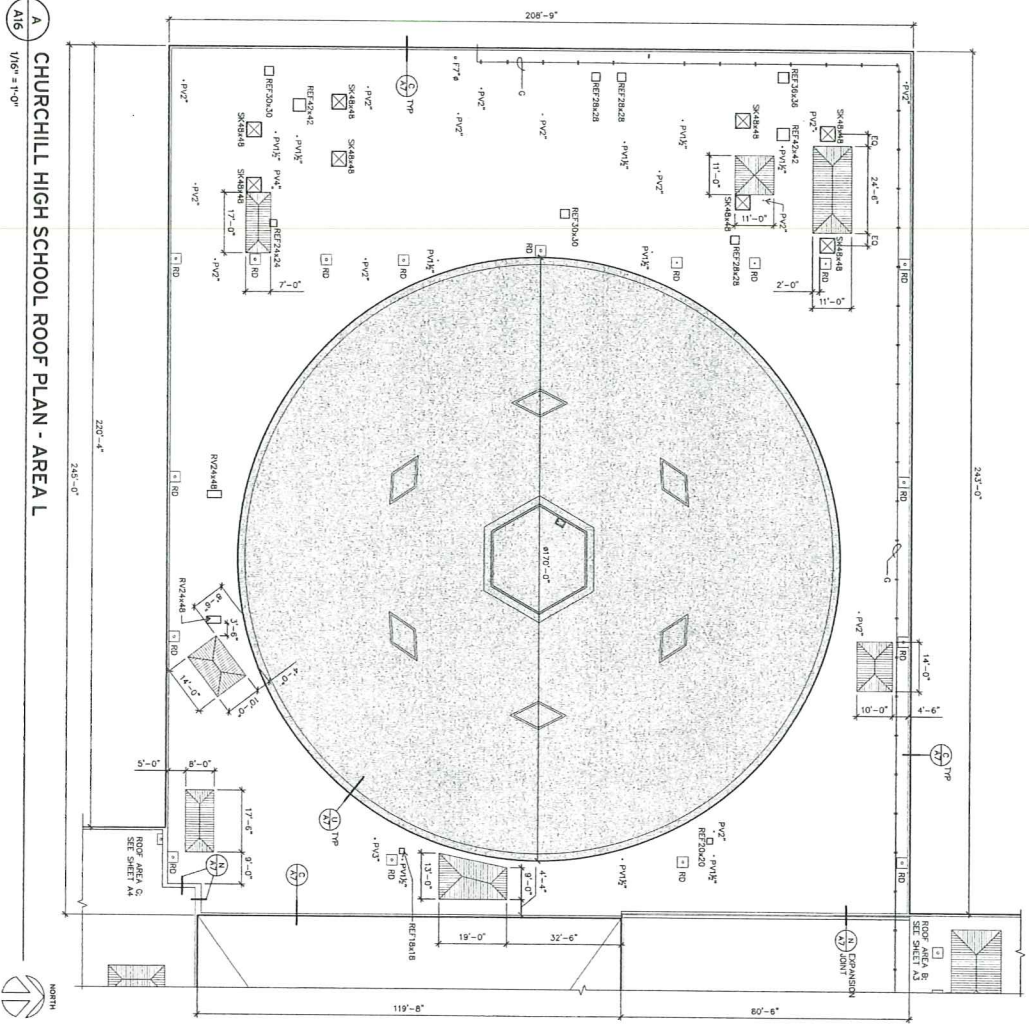


- KEY NOTES**
1. CURB OR FRAMING REMOVE TO 2" MIN. ABOVE SUPPORT PIPE TO ALLOW NEW VAPOR BARRIER.
  2. PROVIDE 6" MIN. PITCH (1 PLACE)
  3. PROVIDE SUPPORT FRAMING & PIPE SUPPORT.
  4. REMOVE (3) ROOF MOUNTED VENT, TYP OR 5.
  5. PLUMBING PIPE PENETRATION THROUGH WALL (1 PLACE)
  6. FLECKE CONDUIT PENETRATION THROUGH ONE TUSING (1 PLACE)
  7. RELOCATE HOSE BIBS (1 PLACE)

- ROOF PLAN LEGEND**
- NOTE: SIZE OF ROOF PENETRATIONS AND CURBS INDICATED IN NOTES.
- TYPICAL HARBED INSULATION AT LOW AREAS OF DECK. SLOPE 1/4" FT FROM CENTER ROOF TO DECK. ARROWS INDICATE DIRECTION OF SLOPE.
- AV (E) AIR VENTILATOR (1)
  - AT (E) AIR TERMINAL (1)
  - CC (E) ELECTRICAL CONDUIT (1)
  - SM (E) DOWNPOUT NOZZLE (NO WORK)
  - G (E) GAS PIPE REMOVE NEW SUPPORT FRAMINGS AT 8'-0" OC
  - PP (E) PITCH ROCKET (2)
  - OS (E) OVERFLOW SCUPPER (1)
  - PV (E) PLUMBING VENT (1)
  - RD (E) ROOF DRAIN (1)
  - REF (E) ROOF EXHAUST FAN (1)
  - RV (E) ROOF VENTILATOR (1)
  - SP (E) SPLASH PAIN (1)

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4J SCHOOL DISTRICT  
EUGENE, OREGON



**ROOF PLAN LEGEND**

NOTE: SIZES OF ROOF PENETRATIONS AND CURBS INDICATED IN INCHES.

SHADING INDICATES AREAS OF NO WORK.

ARROWS INDICATE DIRECTION OF SLOPE.

TYPICAL TAPERED INSULATION AT LOW AREAS OF DECK. SLOPE 1/4\"/>

**GENERAL NOTES**

- SEE A1/1 FOR DESCRIPTION OF ROOF ASSEMBLY.
- NECESSARY WORK TO BE DONE AT THE TIME OF ROOFING CONTRACTOR'S WORK SHALL BE SHOWN AT THE TIME OF ROOFING CONTRACTOR'S WORK.
- RE-ESTABLISH ROOF DRAINS WHERE PREVIOUSLY CONVERTED TO DOWNSPOUTS.
- DO NOT DISRUPT EXISTING ROOF DRAINS.
- REMOVE AND REPAIR FLASHING BOOTS AT FLEXIBLE CONDUIT ROOF PENETRATIONS.

**KEY NOTES**

- PROVIDE NEW SUPPORT FLASHINGS AT 8'-0\"/>

**KEY**

AMU (3) AIR HANDLING UNIT (1) (2) (3)

AV (3) AIR VENTILATOR (1) (2) (3)

F (3) FLUE PIPE (1) (2) (3)

G (3) GAS PIPE, PROVIDE SUPPORT FLASHING AT 8'-0\"/>

1 (3) CONDUIT

2 (2) INSULATED WATER LINE W/ PIPE FLASHING (1) (2)

3 (3) CONDUIT

4 (3) CONDUIT

5 (3) CONDUIT

6 (3) CONDUIT

7 (3) CONDUIT

8 (3) CONDUIT

9 (3) CONDUIT

10 (3) CONDUIT

11 (3) CONDUIT

12 (3) CONDUIT

13 (3) CONDUIT

14 (3) CONDUIT

15 (3) CONDUIT

16 (3) CONDUIT

17 (3) CONDUIT

18 (3) CONDUIT

19 (3) CONDUIT

20 (3) CONDUIT

21 (3) CONDUIT

22 (3) CONDUIT

23 (3) CONDUIT

24 (3) CONDUIT

25 (3) CONDUIT

26 (3) CONDUIT

27 (3) CONDUIT

28 (3) CONDUIT

29 (3) CONDUIT

30 (3) CONDUIT

**A6**

Drawn By: BDH

Checked: [Signature]

Date: 5/15/14

Project: 1402

**CHURCHILL HIGH SCHOOL ROOF PLAN - AREA L, ENLARGED PLAN**

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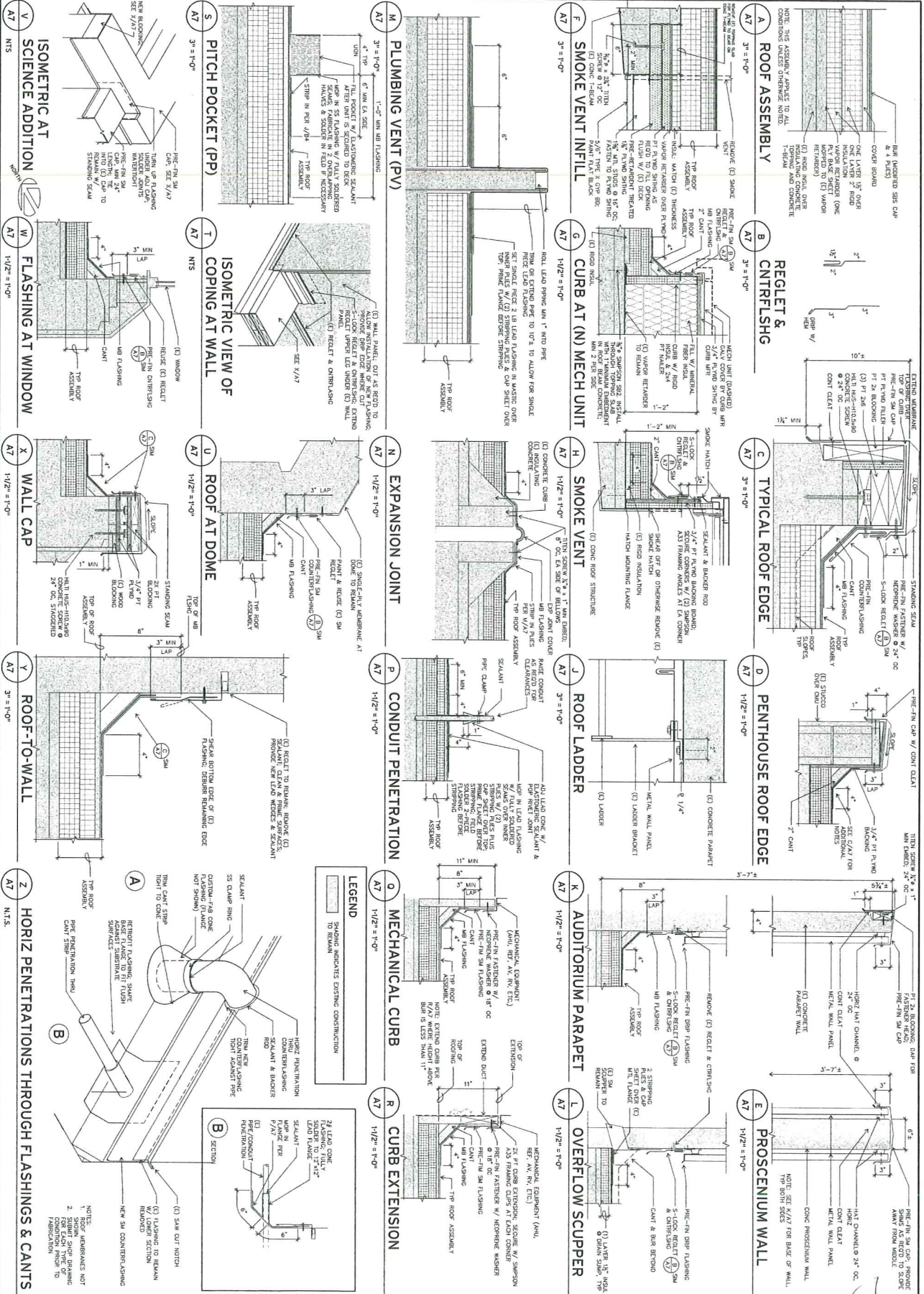
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STATE OF OREGON

4J SCHOOL DISTRICT  
EUGENE, OREGON



Drawn By	BOH
Checked	[Signature]
Date	5/15/14
Project	1402

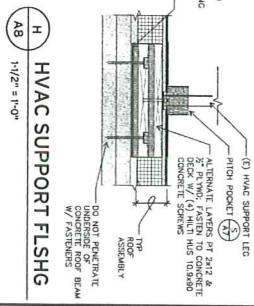
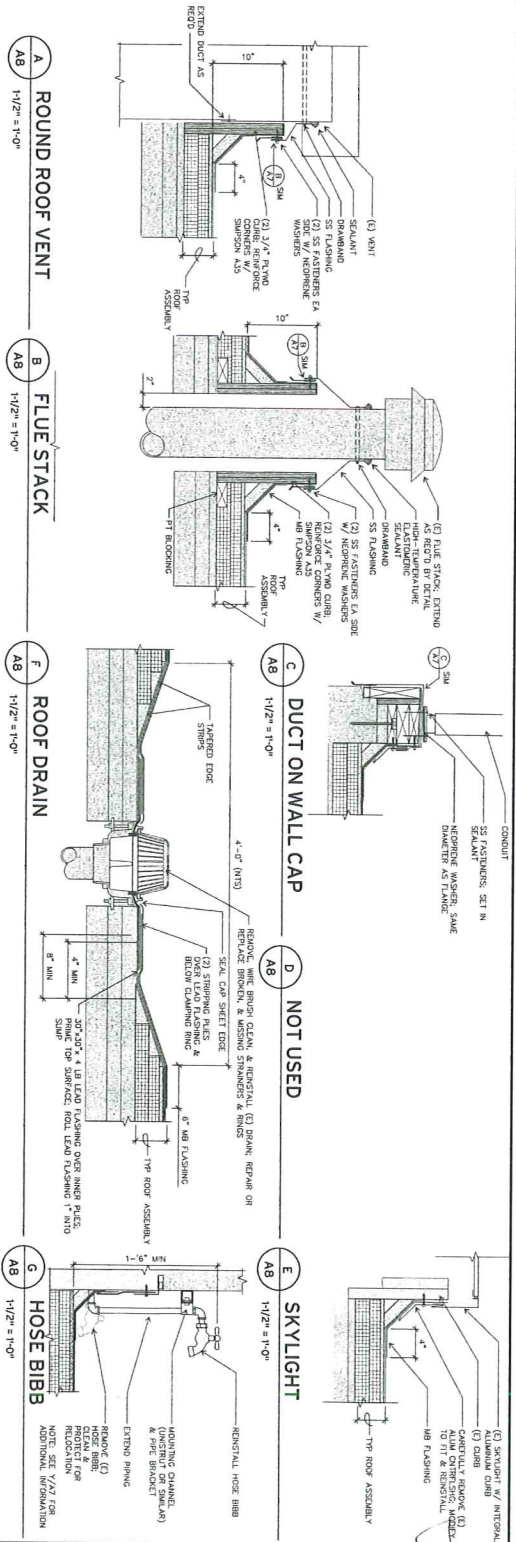
**BUILT-UP ROOF & METAL WALL PANEL DETAILS**

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**ARCHITECTS**  
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**LEGEND**  
 [Symbol] SHADING INDICATES EXISTING CONSTRUCTION  
 [Symbol] TO REMAIN

**GENERAL NOTES**  
 1. REFER TO 4/47 FOR TYPICAL BUILT-UP ROOF ASSEMBLY.

A8	Drawn By	BDH	<b>BUILT-UP ROOF DETAILS</b>
	Checked	[Signature]	
	Date	5/15/14	
	Project	1402	

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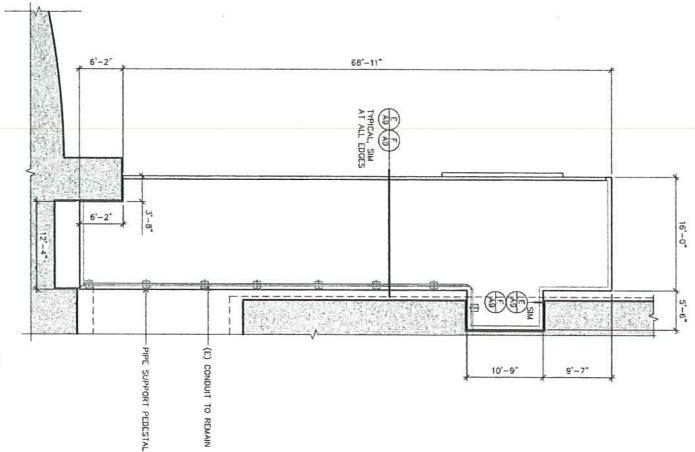
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EUGENE, OREGON





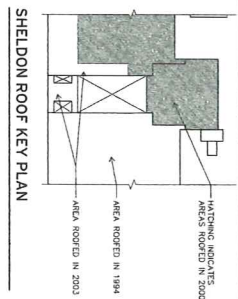
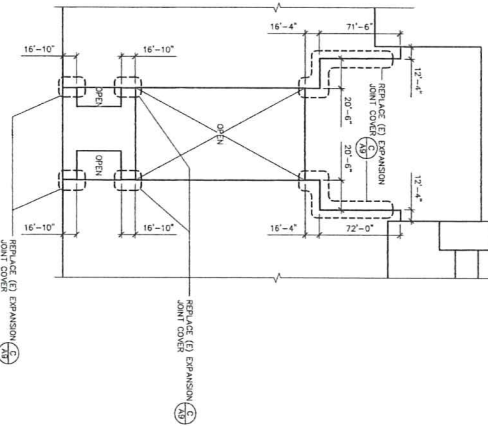
**A** KELLY WALKWAY CANOPY PLAN

A9 1/8" = 1'-0"



**B** SHELDON ROOF PLAN

A9 N.T.S.



SHELDON ROOF KEY PLAN

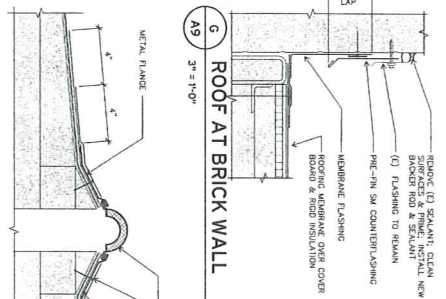
**LEGEND**

HATCHING INDICATES AREAS OF NO WORK

**KEY NOTES**

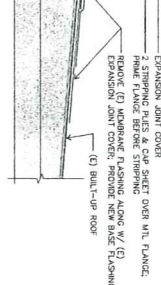
(1) (E) DEMONSTRATE PROVIDE NEW FLASHING

(A9)



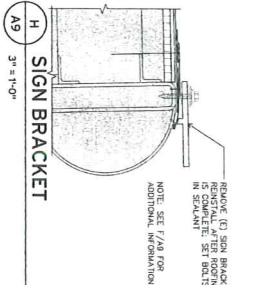
**C** ROOF AT BRICK WALL

A9 3" = 1'-0"



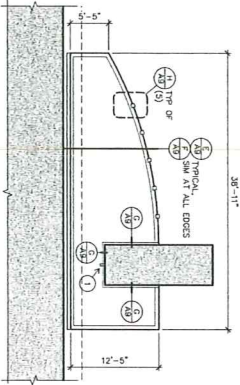
**D** NEW EXPANSION JOINT COVER DETAIL

A9 3" = 1'-0"



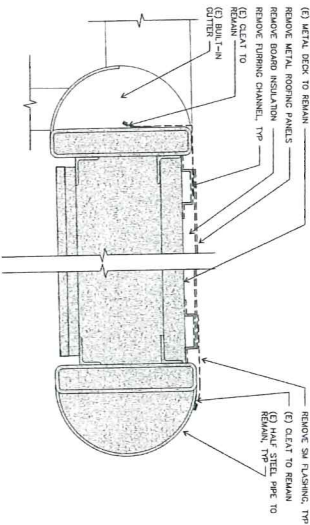
**E** SIGN BRACKET

A9 3" = 1'-0"



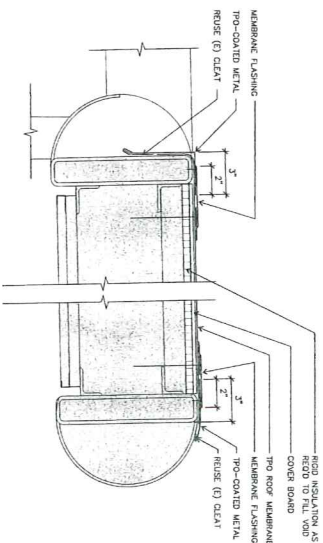
**D** KELLY ENTRY CANOPY PLAN

A9 1/8" = 1'-0"



**E** DEMOLITION DETAIL

A9 3" = 1'-0"



**F** FLASHING DETAIL

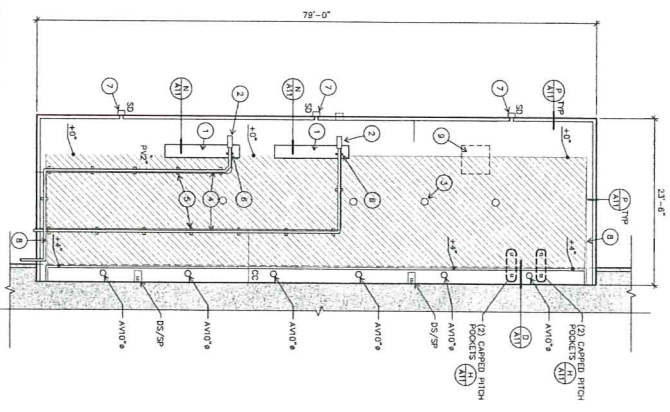
A9 3" = 1'-0"

<b>A9</b>	Drawn By	BDH	<b>KELLY MIDDLE SCHOOL &amp; SHELDON HIGH SCHOOL PLANS &amp; DETAILS</b>
	Checked		
	Date	5/15/14	
	Project	1402	

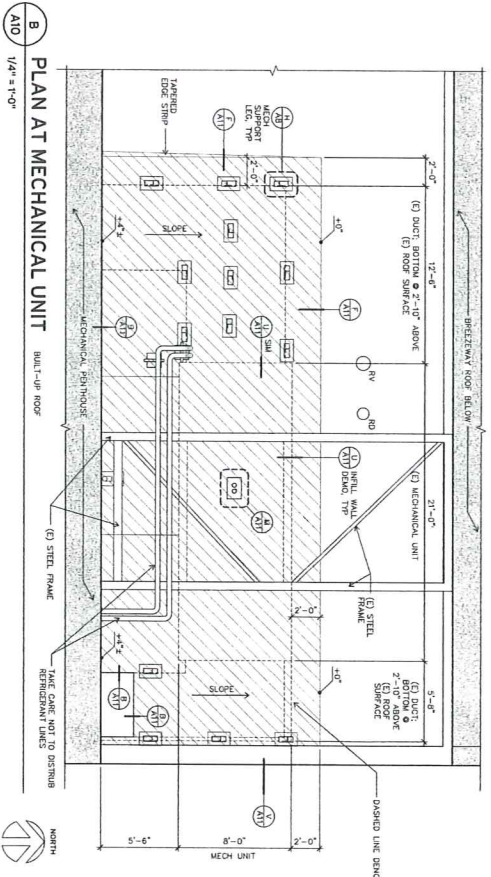
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**A**  
FREEZER ROOF PLAN  
1/8" = 1'-0"



**B**  
PLAN AT MECHANICAL UNIT  
1/4" = 1'-0"



**ROOF PLAN LEGEND**  
NOTE: SIZES OF ROOF PENETRATIONS AND CURBS INDICATED IN NOTES, UNLESS OTHERWISE NOTED.  
SHADING INDICATES AREAS OF NO WORK.

- (1) SHEDDING (2) 1-1/2" WIDE X 10'-0" LONG GALVANIZED SHEET (2) FLASHES)
- (3) SHEET METAL COVER OVER PITCH ROCKET, ROOFING & PROTECT RENOVATION OVER NEW PITCH ROCKET, REFER TO OVER HOLE IN SECOND RETURN TO OWNER
- (4) INSULATED W/4" RIGID, RETURN FRIM, & CONDUIT
- (5) COMPONENT SUPPORT, TYP OF (1-1)
- (6) REUSE (E) FRAMING CHANNEL, & PIPE CLAMPS, PROVIDE NEW SS FASTENERS
- (7) PROVIDE NEW COPPER DRAIN (SD) AND DOWNSPOUT TO BE INSTALLED TO EXISTING DRAINAGE SYSTEM
- (8) PROVIDE TAPERED ROOF TRANSITION FROM TAPERED INSULATION TO COVER BOARD
- (9) OPEN UP ROOF SHEATHING TO EXPOSE PARTS AT 4' REFERENCE LINE TO BE REFRIGERANT FRAMES TO BE EXPOSED

**KEY NOTES**

**GENERAL NOTES**

1. SEE PLAN FOR DESCRIPTION OF SINGLE-PLY ROOF
2. SEE V/A/I FOR DESCRIPTION OF BUILT-UP ROOF ASSEMBLY
3. EXISTING SPRING MECHANISMS IN DETAILS
4. DASHED LINE DENOTES MECH UNIT & EQUIPMENT

**A10**

Drawn By	BDH
Checked	[Signature]
Date	5/15/14
Project	1402

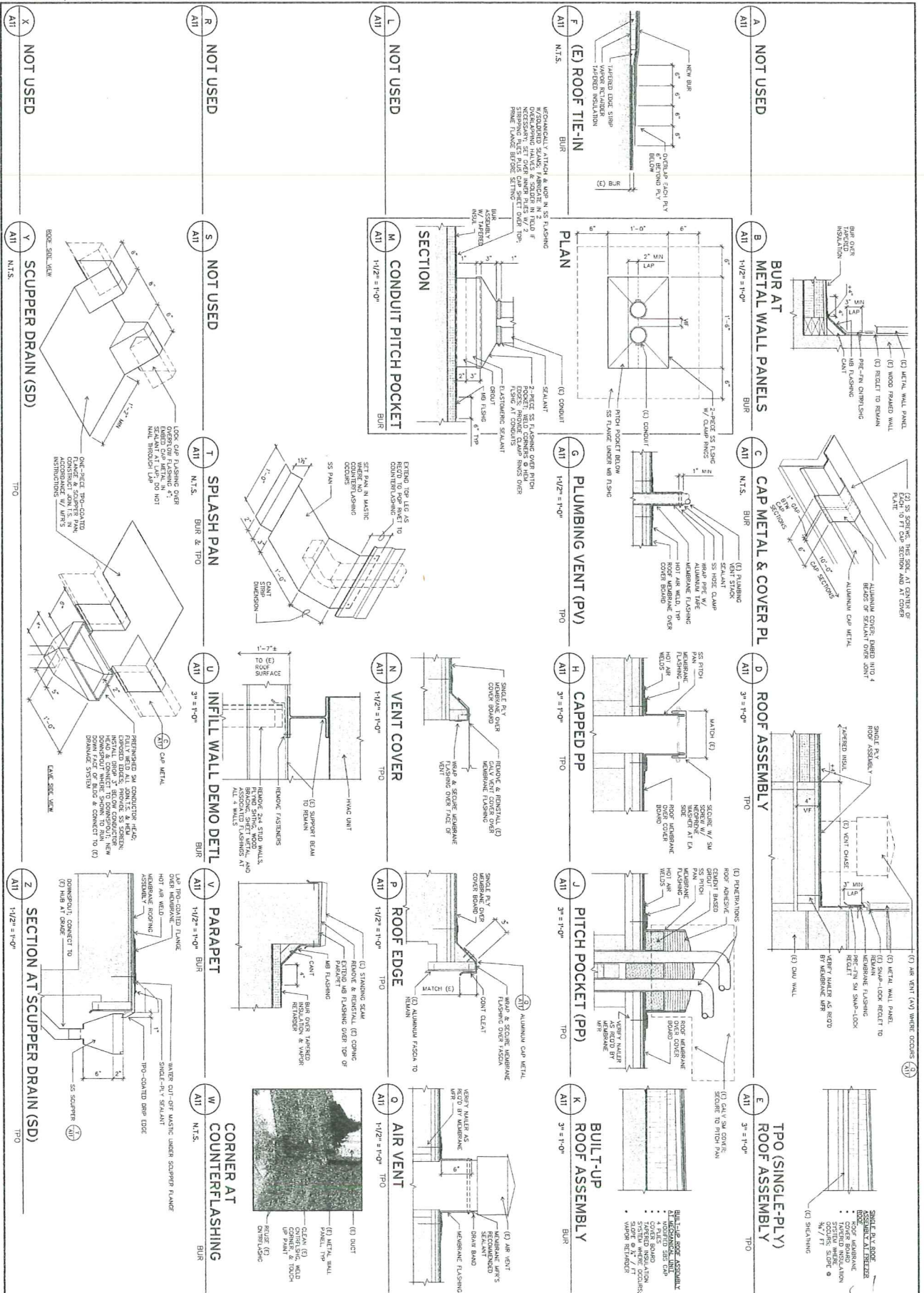
**EDUCATION CENTER ROOF PLANS**

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Date	5/15/14
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**A11**

**EDUCATION CENTER DETAILS**

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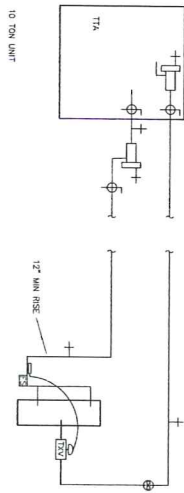
REGISTERED ARCHITECT

REGISTERED ARCHITECT

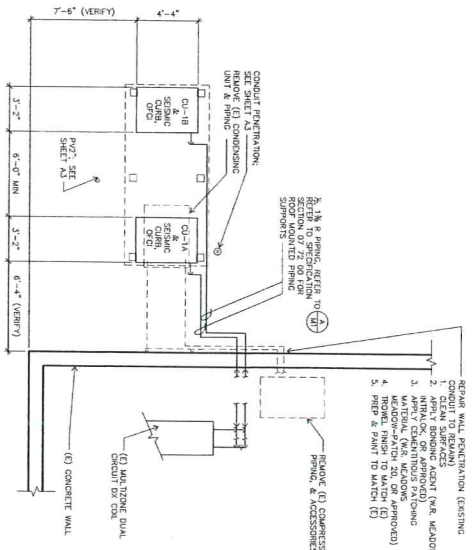
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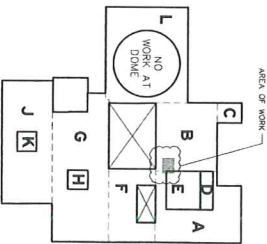
**A**  
PIPING SCHEMATIC  
NO SCALE



**B**  
ENLARGED PLAN AT NEW HVAC UNITS  
1/4" = 1'-0"



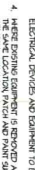
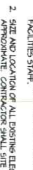
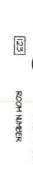
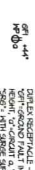
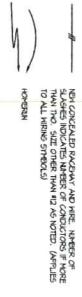
**KEY PLAN**  
NTS



<b>M1</b>	Drawn By	BDH	<b>MECHANICAL ROOF PLAN, PIPING SCHEMATIC</b>
	Checked		
	Date	5/15/14	
	Project	1402	

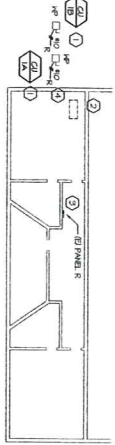
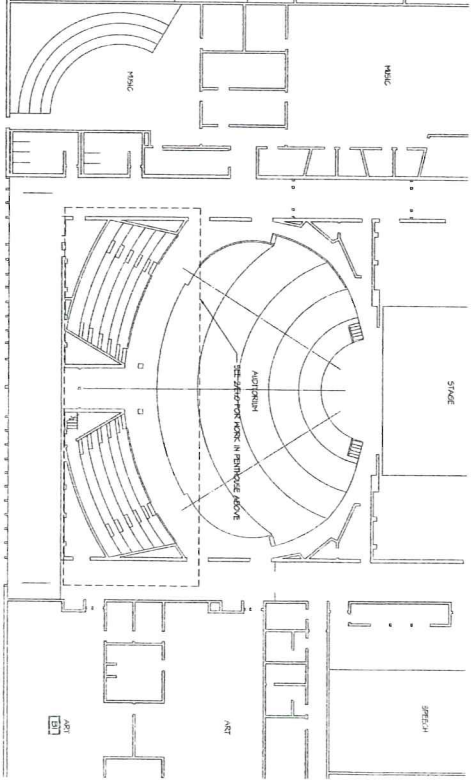
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**SYMBOLS AND ABBREVIATIONS**



- GENERAL NOTES:**
1. THE FACILITY WILL REMAIN IN OPERATION DURING CONSTRUCTION. ALL ELECTRICAL WORK SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
  2. SIZE AND LOCATION OF ALL ELECTRICAL EQUIPMENT IS TO BE DETERMINED BY THE ELECTRICAL ENGINEER. ALL ELECTRICAL WORK SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
  3. LIGHT LINE WORK INCLUDING EXISTING ELECTRICAL CIRCUITS AND CONDUITS SHALL BE SHOWN FOR INFORMATION ONLY. ALL ELECTRICAL WORK SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
  4. EXISTING EQUIPMENT IS TO BE REMOVED AND REPLACED BY NEW EQUIPMENT AS SHOWN ON THIS PLAN. ALL ELECTRICAL WORK SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
  5. REMOVE ALL UNNEEDED BACKUP AND WIRING.
  6. EQUIPMENT IS TO BE INSTALLED IN THE LOCATION SHOWN ON THIS PLAN. ALL ELECTRICAL WORK SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
  7. REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR EXACT UNIT LOCATIONS.

- REFERENCE NOTES**
- ① REMOVE EXISTING FEEDERS AND PROVIDE NEW. CONNECT TO EXISTING LOADS IN PANEL R.
  - ② DISCONNECT EXISTING EQUIPMENT AND REMOVE FEEDER BACK TO PANEL R.
  - ③ REPLACE 240V 2-PHASE FEEDER IN PANEL R AND PROVIDE NEW 30 AMP FEEDER TO ROOM 101 AND 102.
  - ④ POINT OUT DISCREPANCY ALONG WITH INTERFERING PIPE. SEE FIELD.



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<p><b>E1</b></p>	<p>Drawn By: JLG</p> <p>Checked: _____</p> <p>Date: 5/15/14</p> <p>Project: 1402</p>	<p><b>ELECTRICAL PLANS AND SYMBOLS</b></p>	<p>JLG ENGINEERING, LLC 31810 Ost Road Eugene, Oregon 97402 541.912.0065 www.jlgengineering.com</p>	<p><b>Robertson   Sherwood   Architects pc</b></p> <p>132 East Broadway, Suite 540 Eugene, Oregon 97401</p> <p>P 541   342.8077 F 541   345.4302</p> <p>www.robertsonsherwood.com</p>		<p>4J SCHOOL DISTRICT EUGENE, OREGON</p>	
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