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 E-Mail: rodd@harchitectural.com

ENERGY EFFICIENCY UPGRADE
 SPENCER BUTTE MIDDLE SCHOOL
 500 EAST 43RD AVENUE
 EUGENE, OR. 97405

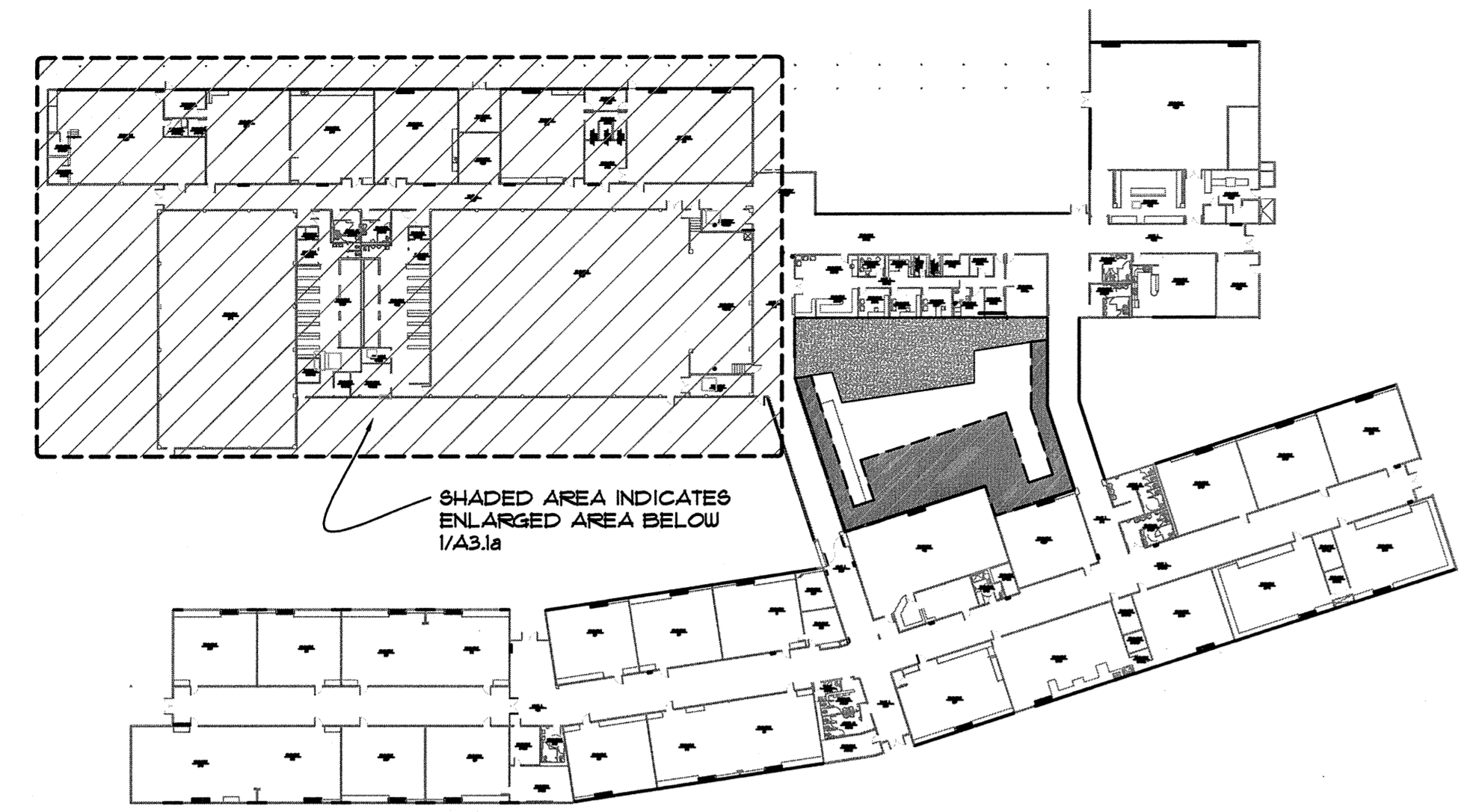
TITLE: DEMO PLAN
 JOB#: 1125.1102013
 DRAWN BY: JSD
 04-30-2014
 05-01-2014
 ISSUE DATE: 04-24-2014
 SCALE: 0/0'-0"-0"

A2.1a

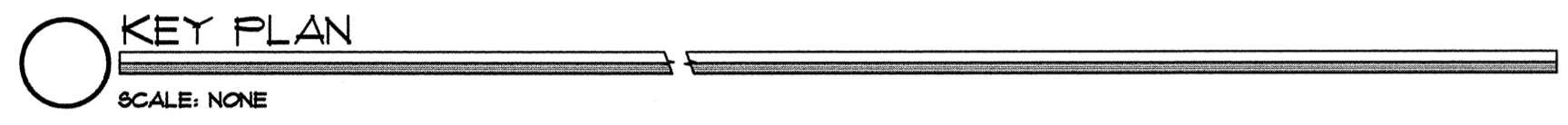
LEGEND
 ——— EXISTING WALL
 - - - - DEMO

GENERAL NOTE:
 1. SITE TO BE CLEANED OF ALL DEMOLISHED MATERIAL BY CONTRACTOR PRIOR TO NEW CONSTRUCTION
 2. ALL DAMAGE TO REMAINING STRUCTURE AFTER DEMOLITION WILL BE REPAIRED AND PAINTED TO MATCH EXISTING BUILDING

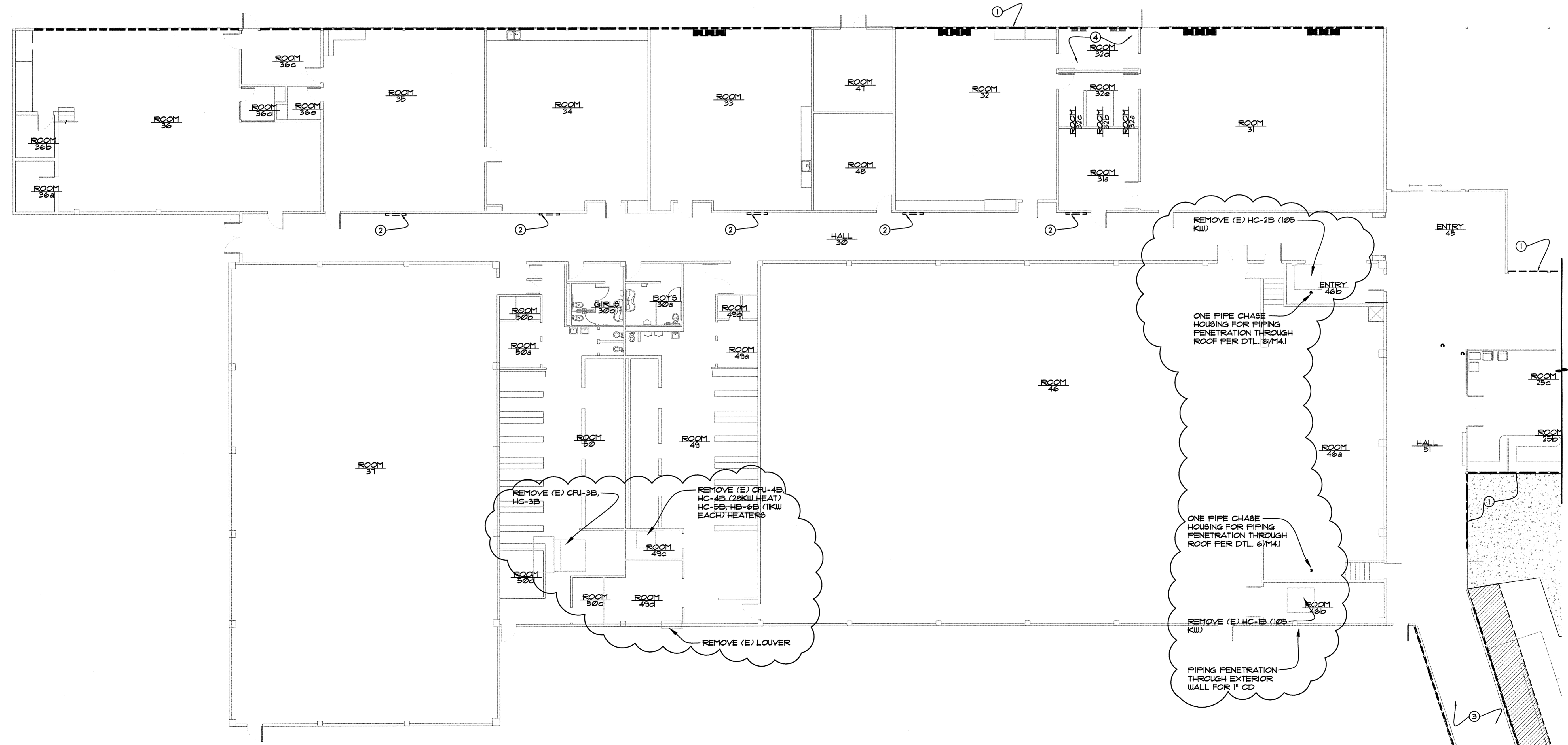
KEY NOTES: ①
 1. EXISTING WINDOWS TO BE REMOVED BY ABATEMENT CONTRACTOR
 2. MECHANICAL UNITS TO BE REMOVED BY CONTRACTOR
 3. EXISTING BUILDING (RAMP) TO BE DEMOLISHED
 4. METAL CEILING GRID, CEILING TILE AND GYP. BD. TO BE REMOVED BY ABATEMENT CONTRACTOR IN ROOM 32d
 5. EXISTING CONCRETE TO REMAIN
 6. CONCRETE TO BE REMOVED WINDOWS TO BE REMOVED BY CONTRACTOR



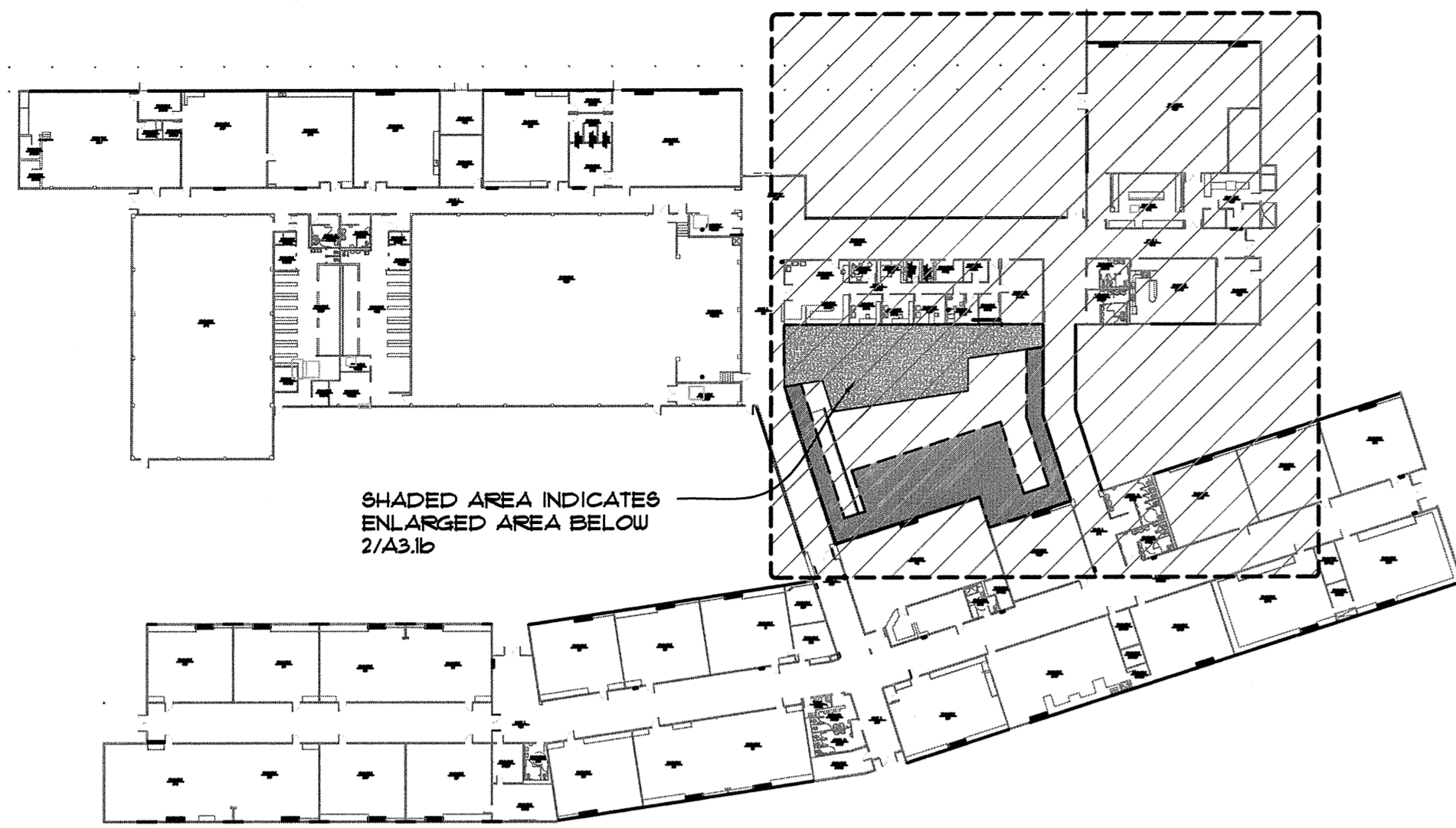
SHADED AREA INDICATES ENLARGED AREA BELOW 1/A3.1a



KEY PLAN
 SCALE: NONE



1 QUADRANT A (ENLARGED DEMO PLAN)
 SCALE: 3/32" = 1'-0"



SHADED AREA INDICATES ENLARGED AREA BELOW 2/A3.1b

KEY PLAN

SCALE: NONE

LEGEND

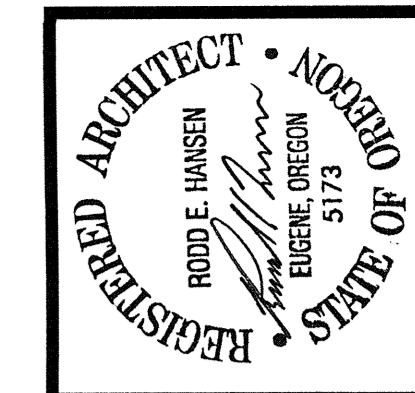
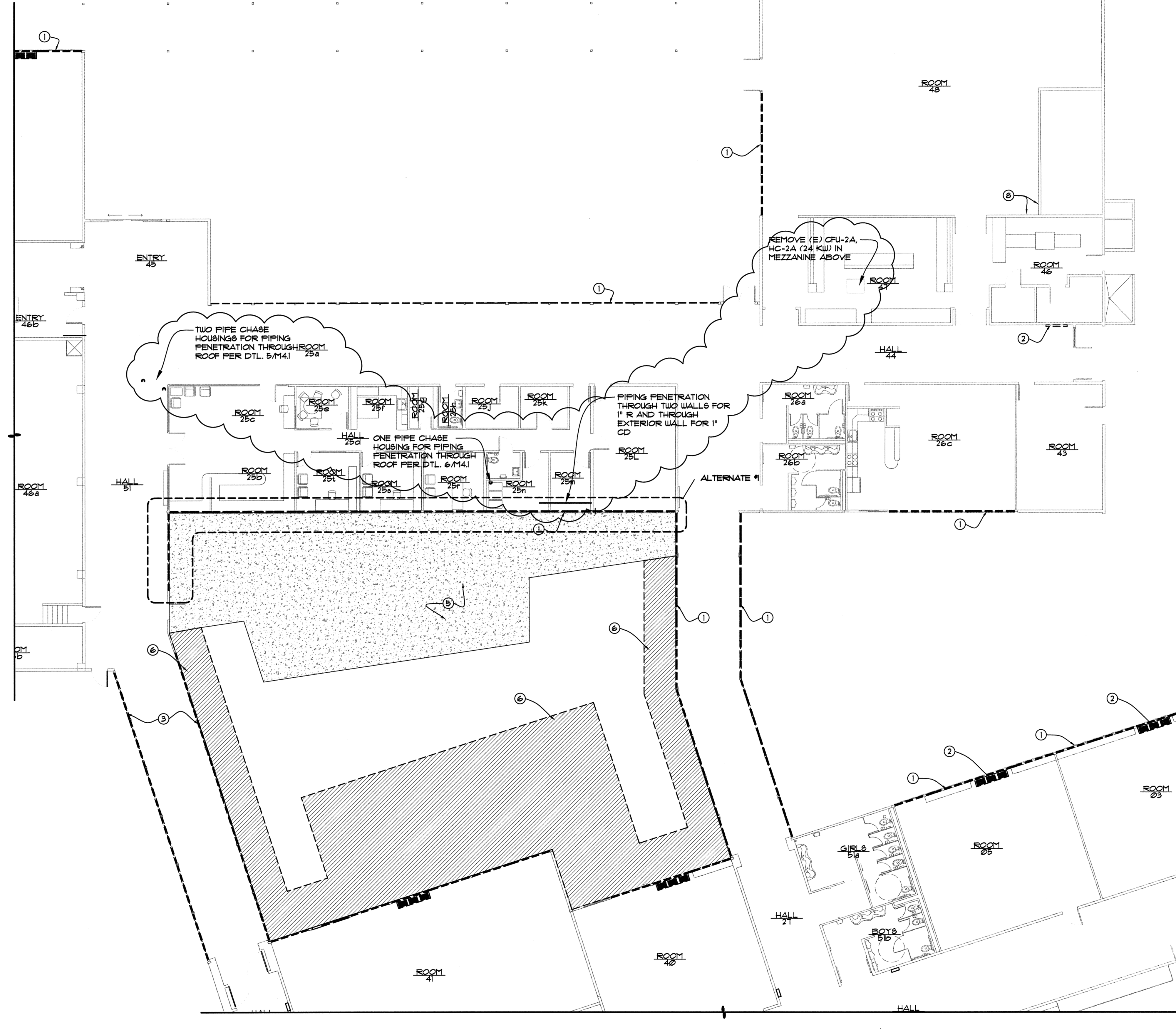
- EXISTING WALL
- - - - DEMO

GENERAL NOTE:

1. SITE TO BE CLEANED OF ALL DEMOLISHED MATERIAL BY CONTRACTOR PRIOR TO NEW CONSTRUCTION
2. ALL DAMAGE TO REMAINING STRUCTURE AFTER DEMOLITION WILL BE REPAIRED AND PAINTED TO MATCH EXISTING BUILDING

KEY NOTES: (1)

1. EXISTING WINDOWS TO BE REMOVED BY ABATEMENT CONTRACTOR
2. MECHANICAL UNITS TO BE REMOVED BY CONTRACTOR
3. EXISTING BUILDING (RAMP) TO BE DEMOLISHED
4. METAL CEILING GRID, CEILING TILE AND GYP. BD. TO BE REMOVED BY ABATEMENT CONTRACTOR IN ROOM 32d
5. EXISTING CONCRETE TO REMAIN
6. CONCRETE TO BE REMOVED
7. WINDOWS TO BE REMOVED BY CONTRACTOR
8. REMOVE AND SALVAGE (E) ACOUSTIC WALL PANELS FOR REINSTALLATION



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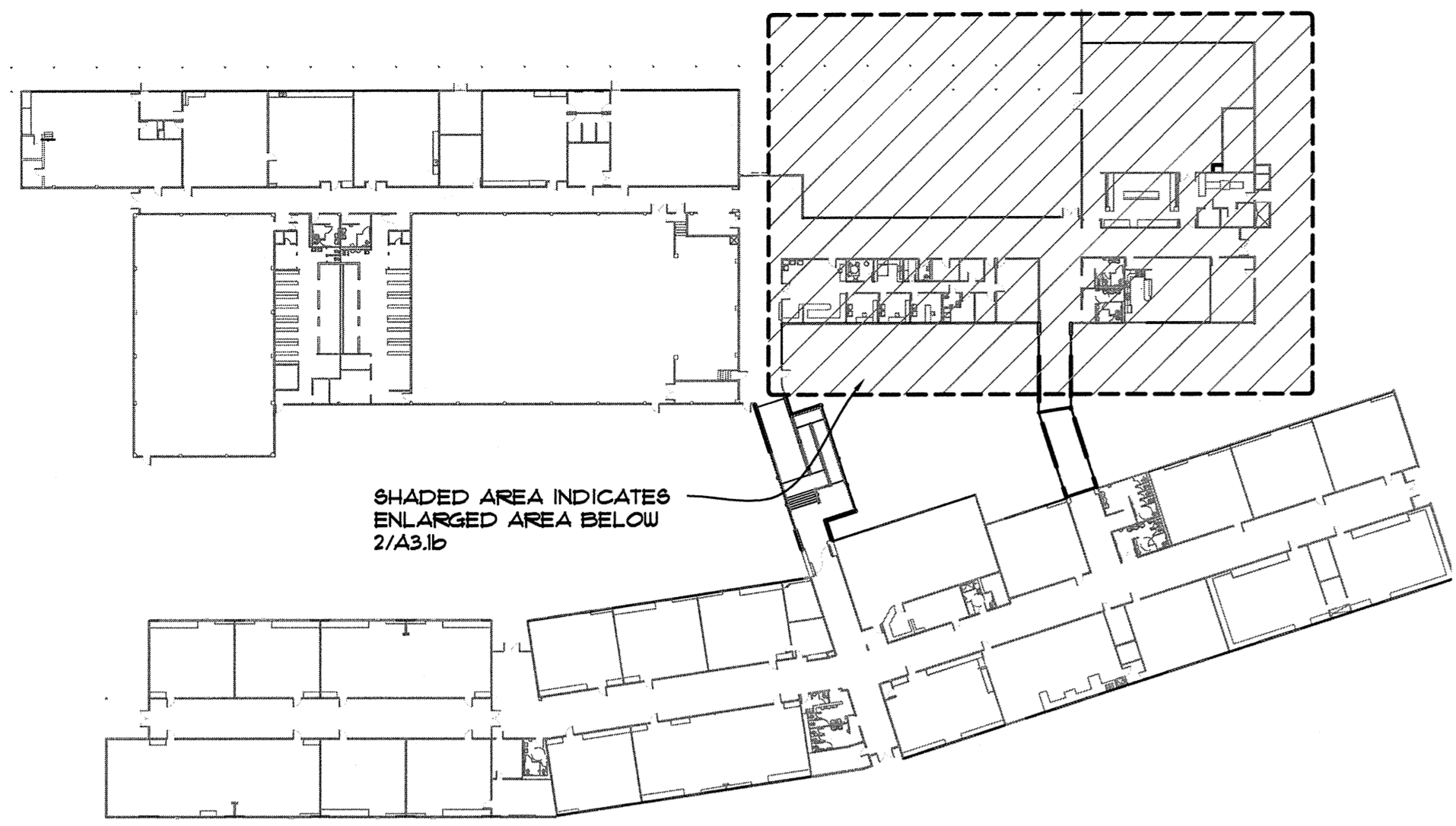
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ENERGY EFFICIENCY UPGRADE
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 EUGENE, OR. 97405

| | |
|-------------|---------------|
| TITLE: | DEMO PLAN |
| JOB#: | 1125.11012013 |
| DRAWN BY: | JSD |
| △ | 04-30-2014 |
| △ | 05-01-2014 |
| ISSUE DATE: | 04-24-2014 |
| SCALE: | 0/0'-0'-0" |

2 QUADRANT B (ENLARGED DEMO PLAN)
 SCALE: 3/32" = 1'-0"

A2.1b

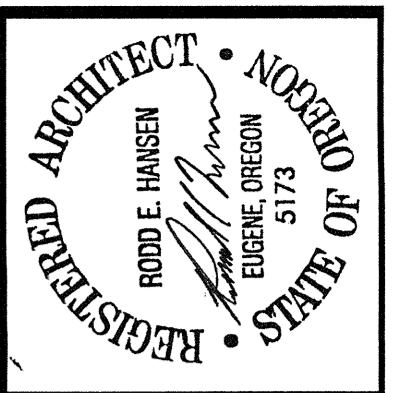


KEY PLAN
SCALE: NONE

LEGEND
 ——— NEW WALL
 - - - - - EXISTING WALL
 ▨▨▨▨▨ AREA OF EXISTING STRUCTURE

- GENERAL NOTES:
- EXISTING WINDOWS TO BE REMOVED BY ABATEMENT CONTRACTOR
 - MECHANICAL UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR
 - WALK-WAY TO BE DEMOLISHED
 - METAL CEILING GRID, CEILING TILE AND GYP. BD. TO BE REMOVED BY ABATEMENT CONTRACTOR IN ROOM 32d IN CLASS ROOMS WHERE MECHANICAL UNITS ARE TO BE REMOVED
 - CONTRACTOR TO FILL EXISTING WALL PENETRATIONS AS PER IATL. CONTRACTOR TO VERIFY ALL LOCATIONS

- WALL TYPES
- SYNTHETIC STUCCO SYSTEM, OVER 1/2" CEMENTITIOUS BOARD, OVER APPROVED BUILDING WRAP, OVER 1/2" CDX FLYWD, W/ R-25 BATT INSUL, OVER 2x8 STUD WALL @ 16" O.C. W/ 5/8" TYPE 'X' GYP. BD.
 - HARDIE PANEL SIDING, OVER APPROVED BUILDING WRAP, OVER 1/2" CDX FLYWD, OVER 2x6 DF #2 STUDS @ 16" O.C. W/ R-21 BATT INSULATION, OVER 5/8" TYPE 'X' GYP. BD.
 - 5/8" TYPE 'X' GYP. BD, OVER 2x4 STUDS @ 16" O.C.



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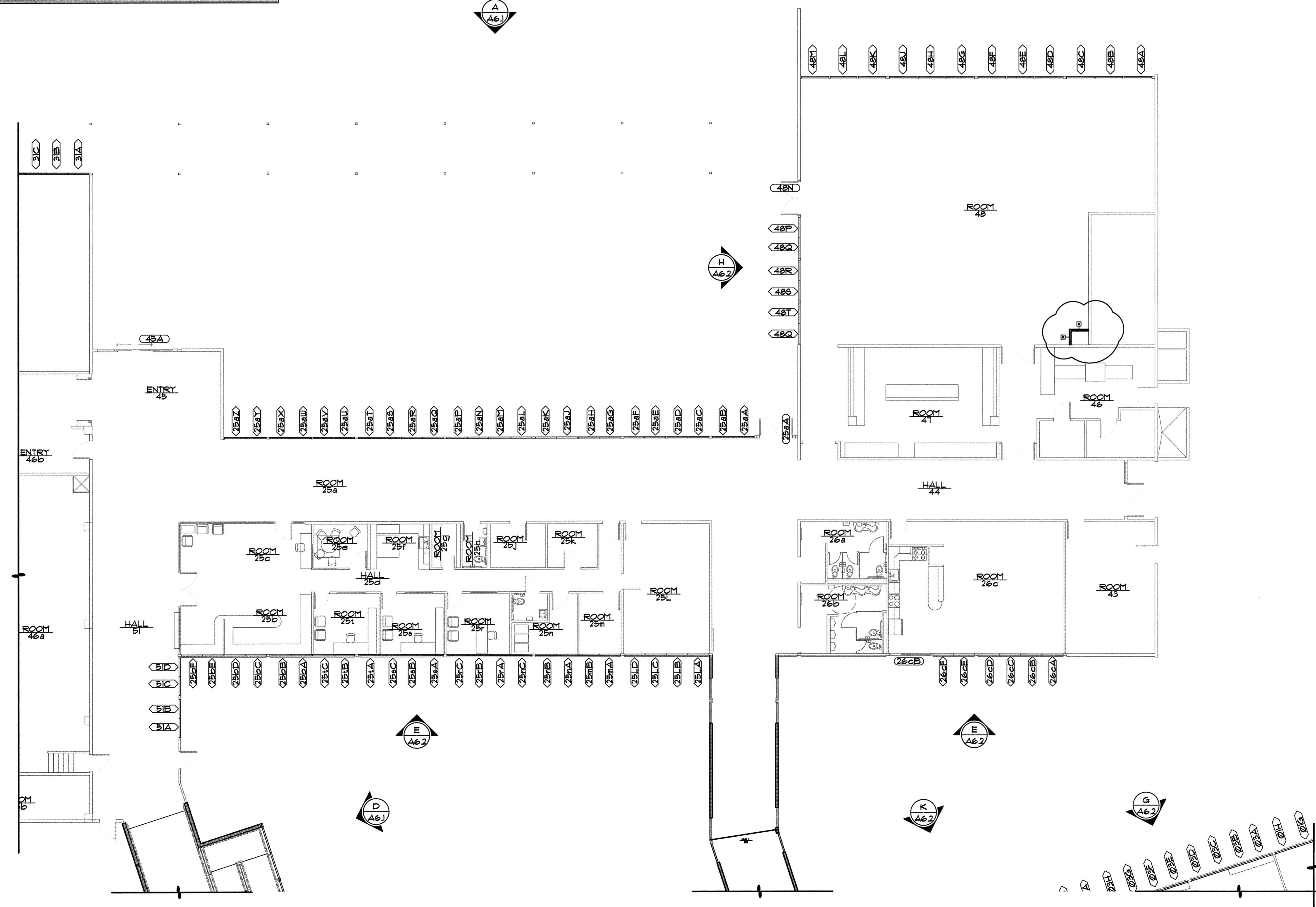
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ENERGY EFFICIENCY UPGRADE
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 EUGENE, OR. 97405

FIRST
 TITLE: FLOOR PLAN
 JOB#: 1125.11012013
 DRAWN BY: JSD

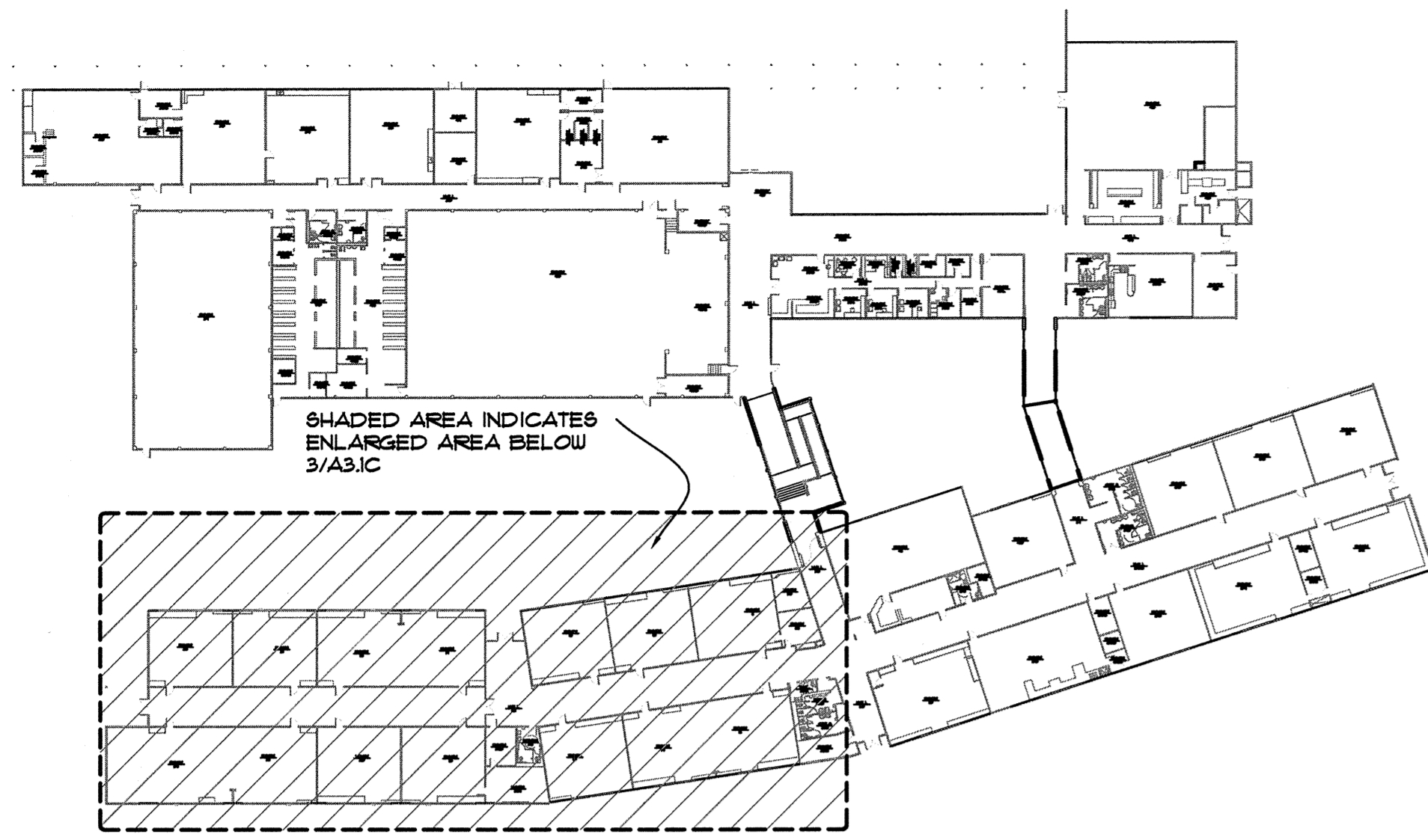
| | |
|---|------------|
| △ | 04-30-2014 |
| △ | 05-01-2014 |

 ISSUE DATE: 04-24-2014
 SCALE: 0/0'-0'-0"



2 QUADRANT B (ENLARGED FLOOR PLAN)
 SCALE: 3/32" = 1'-0"

A3.1b



KEY PLAN
SCALE: NONE

- LEGEND**
- NEW WALL
 - EXISTING WALL
 - ▨ AREA OF EXISTING STRUCTURE

GENERAL NOTES:

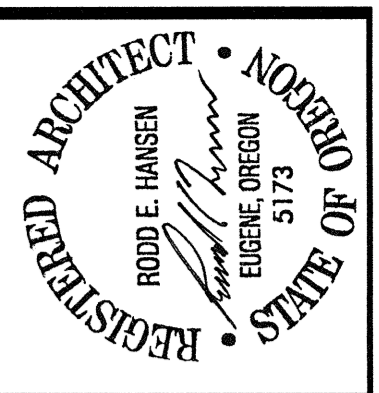
1. EXISTING WINDOWS TO BE REMOVED BY ABATEMENT CONTRACTOR.
2. MECHANICAL UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR.
3. WALK-WAY TO BE DEMOLISHED
4. METAL CEILING GRID, CEILING TILE AND GYP. BD. TO BE REMOVED BY ABATEMENT CONTRACTOR IN ROOM 32d IN CLASS ROOMS WHERE MECHANICAL UNITS ARE TO BE REMOVED.
5. CONTRACTOR TO FILL EXISTING WALL PENETRATIONS AS PER I/ATL. CONTRACTOR TO VERIFY ALL LOCATIONS.

KEY NOTES: (1)

1. REMOVE HIGH WALL RELIEF VENTS - IN-FILL CAVITY WITH BATT INSULATION - PROVIDE PLY.WD. PATCH

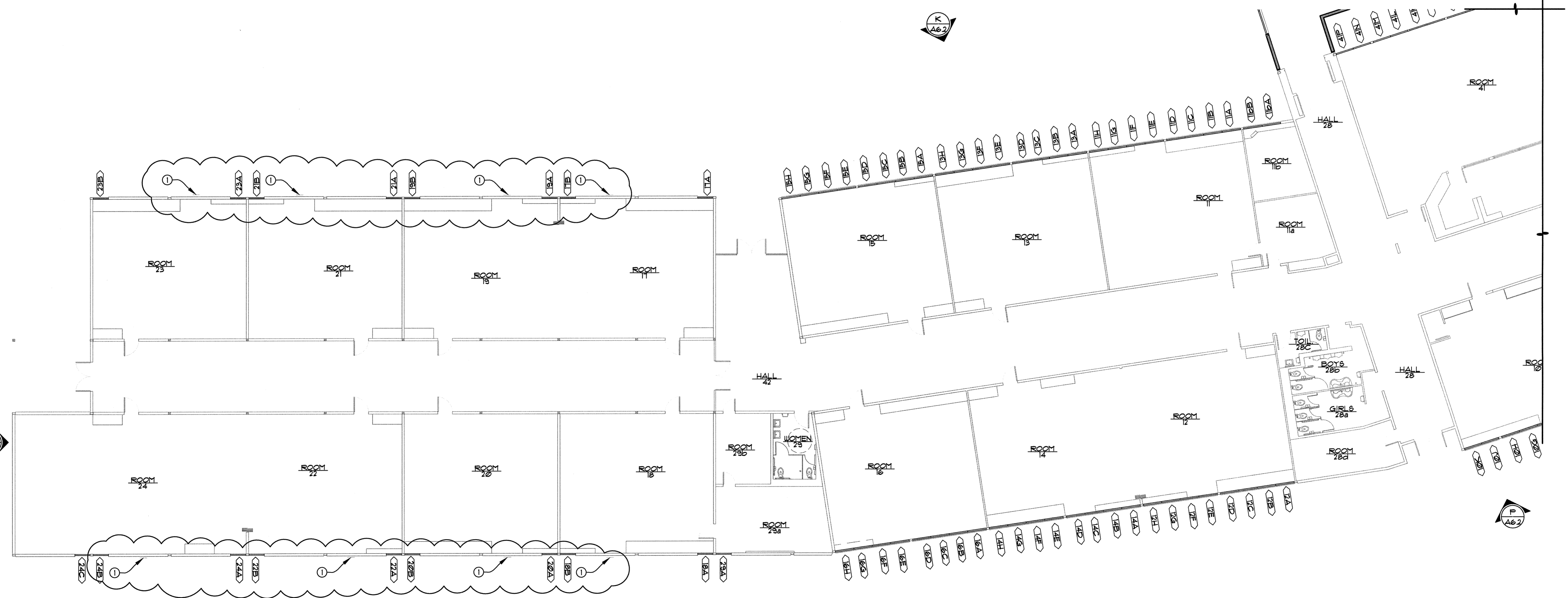
WALL TYPES: (2)

1. SYNTHETIC STUCCO SYSTEM, OVER 1/2" CEMENTITIOUS BOARD, OVER APPROVED BUILDING WRAP, OVER 1/2" CDX PLY.WD., W/ R-25 BATT INSUL., OVER 2x8 STUD WALL @ 16" O.C. W/ 3/4" TYPE 'X' GYP. BD.
2. HARDIE PANEL SIDING, OVER APPROVED BUILDING WRAP, OVER 1/2" CDX PLY.WD., OVER 2x6 DF #2 STUDS @ 16" O.C. W/ R-21 BATT INSULATION, OVER 3/4" TYPE 'X' GYP. BD.
3. 3/4" TYPE 'X' GYP. BD., OVER 2x4 STUDS @ 16" O.C.



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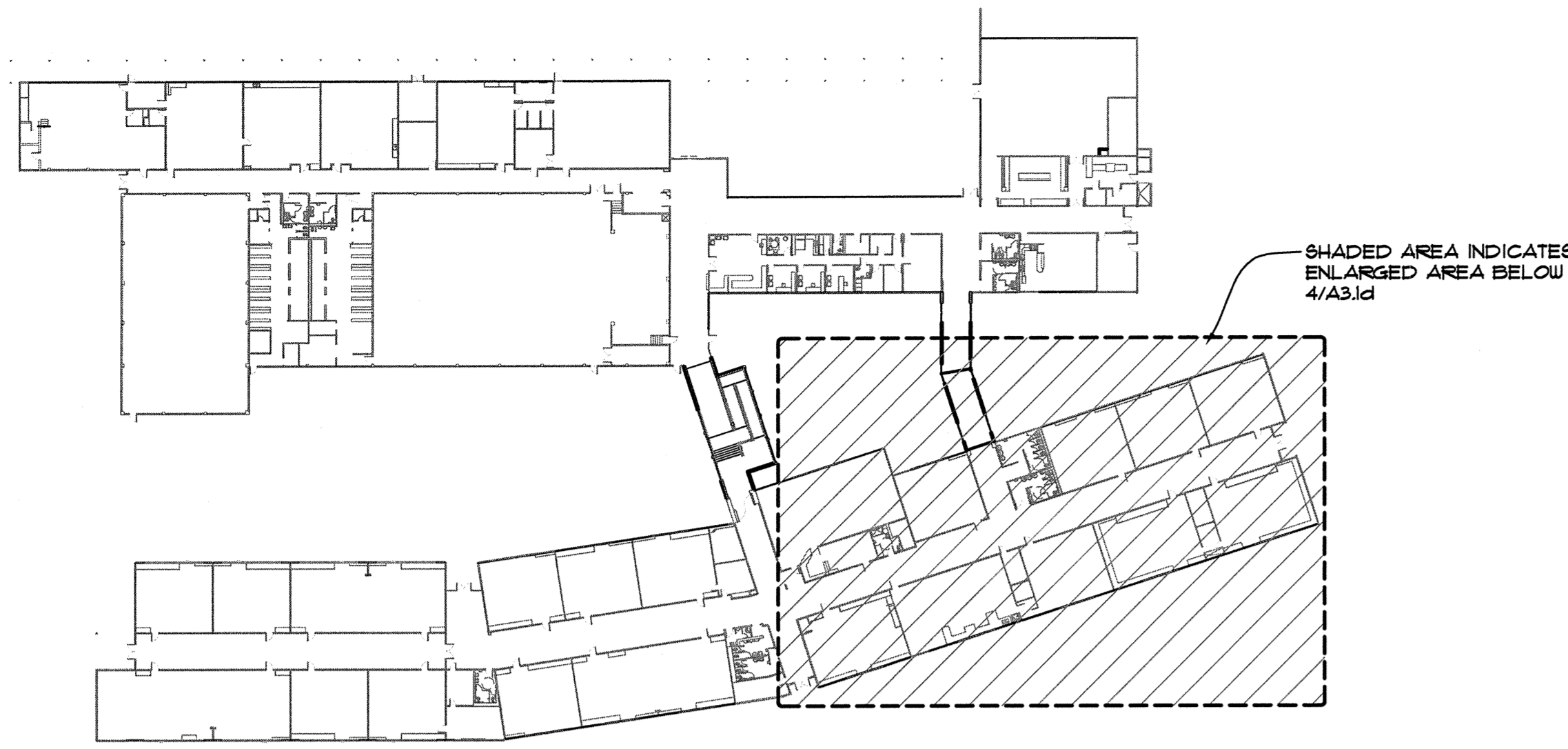


ENERGY EFFICIENCY UPGRADE
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 500 EAST 43RD AVENUE
 EUGENE, OR. 97405

| | |
|-------------------|--------------|
| FIRST | |
| TITLE: FLOOR PLAN | |
| JOB#: | 1125.1102013 |
| DRAWN BY: | JSD |
| △ | 04-30-2014 |
| △ | 05-01-2014 |
| ISSUE DATE: | 04-24-2014 |
| SCALE: | 0/0'-0"-0" |

QUADRANT A (ENLARGED FLOOR PLAN)
 SCALE: 3/32" = 1'-0"

A3.1c



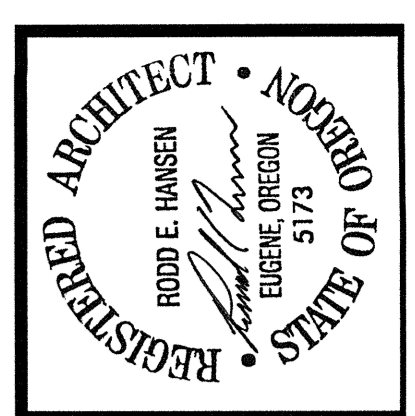
KEY PLAN
SCALE: NONE

- LEGEND**
- NEW WALL
 - - - EXISTING WALL
 - ▨ AREA OF EXISTING STRUCTURE

- GENERAL NOTES:**
1. EXISTING WINDOWS TO BE REMOVED BY ABATEMENT CONTRACTOR.
 2. MECHANICAL UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR.
 3. WALK-WAY TO BE DEMOLISHED.
 4. METAL CEILING GRID, CEILING TILE AND GYP. BD. TO BE REMOVED BY ABATEMENT CONTRACTOR IN ROOM 32d IN CLASS ROOMS WHERE MECHANICAL UNITS ARE TO BE REMOVED.
 5. CONTRACTOR TO FILL EXISTING WALL PENETRATIONS AS PER 1/A1.1. CONTRACTOR TO VERIFY ALL LOCATIONS.

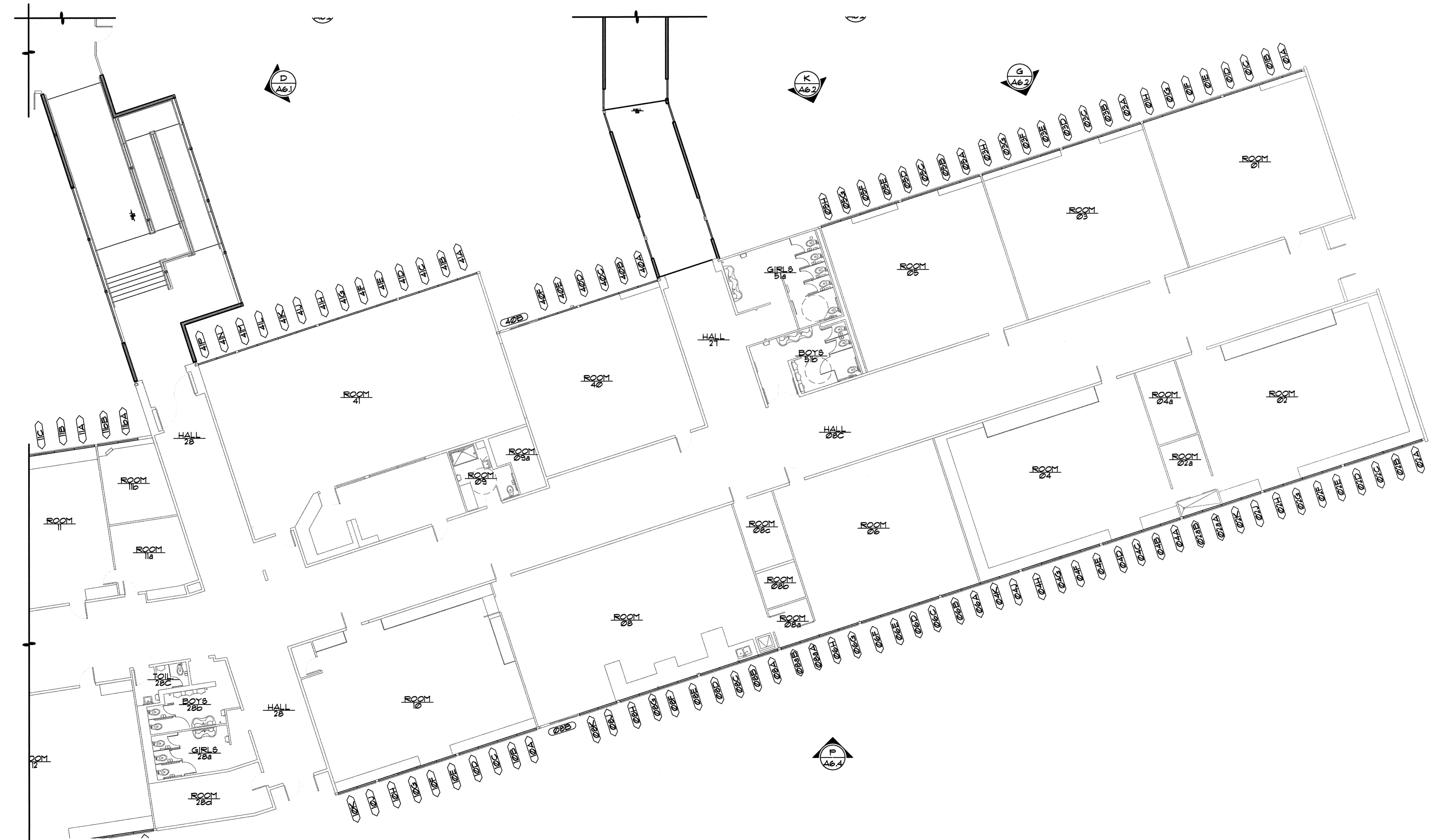
KEY NOTES: ○
1.

- WALL TYPES** ▣
1. SYNTHETIC STUCCO SYSTEM, OVER 1/2" CEMENTITIOUS BOARD, OVER APPROVED BUILDING WRAP, OVER 1/2" CDX PLYWD., W/ R-25 BATT INSUL., OVER 2x8 STUD WALL @ 16" O.C. W/ 3/8" TYPE 'X' GYP. BD.
 2. HARDIE PANEL SIDING, OVER APPROVED BUILDING WRAP, OVER 1/2" CDX PLYWD., OVER 2x6 DF 2 STUDS @ 16" O.C. W/ R-21 BATT INSULATION, OVER 3/8" TYPE 'X' GYP. BD.
 3. 3/8" TYPE 'X' GYP. BD., OVER 2x4 STUDS @ 16" O.C.



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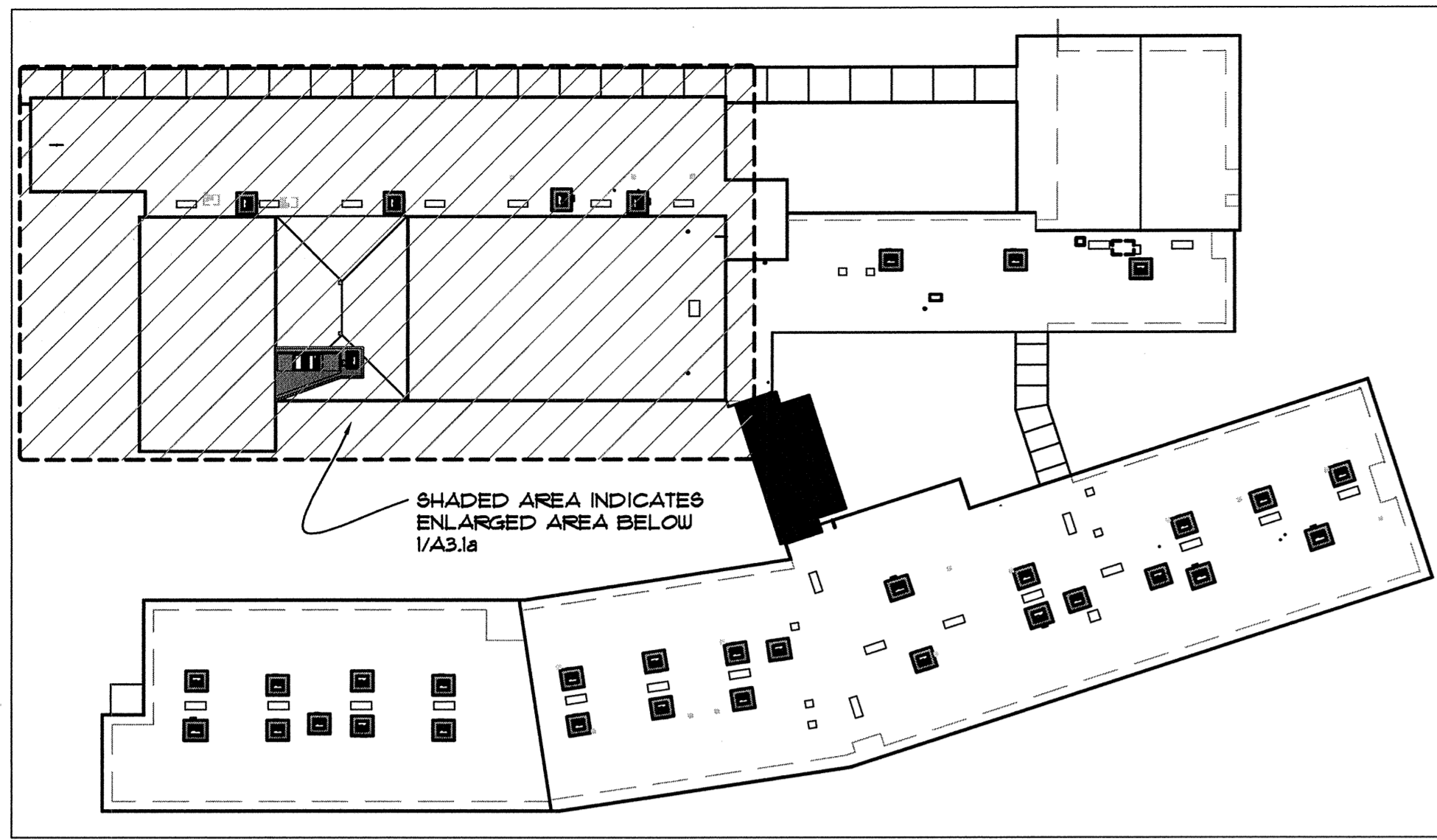


4 QUADRANT A (ENLARGED FLOOR PLAN)
SCALE: 3/32" = 1'-0"

ENERGY EFFICIENCY UPGRADE
SPENCER BUTTE MIDDLE SCHOOL
500 EAST 43RD AVENUE
EUGENE, OR. 97405

| | |
|-------------------|--------------|
| FIRST | |
| TITLE: FLOOR PLAN | |
| JOB#: | 1125.1102013 |
| DRAWN BY: | JSD |
| △ | 04-30-2014 |
| △ | 05-01-2014 |
| ISSUE DATE: | 04-24-2014 |
| SCALE: | 0/0'-0"-0" |

A3.1d

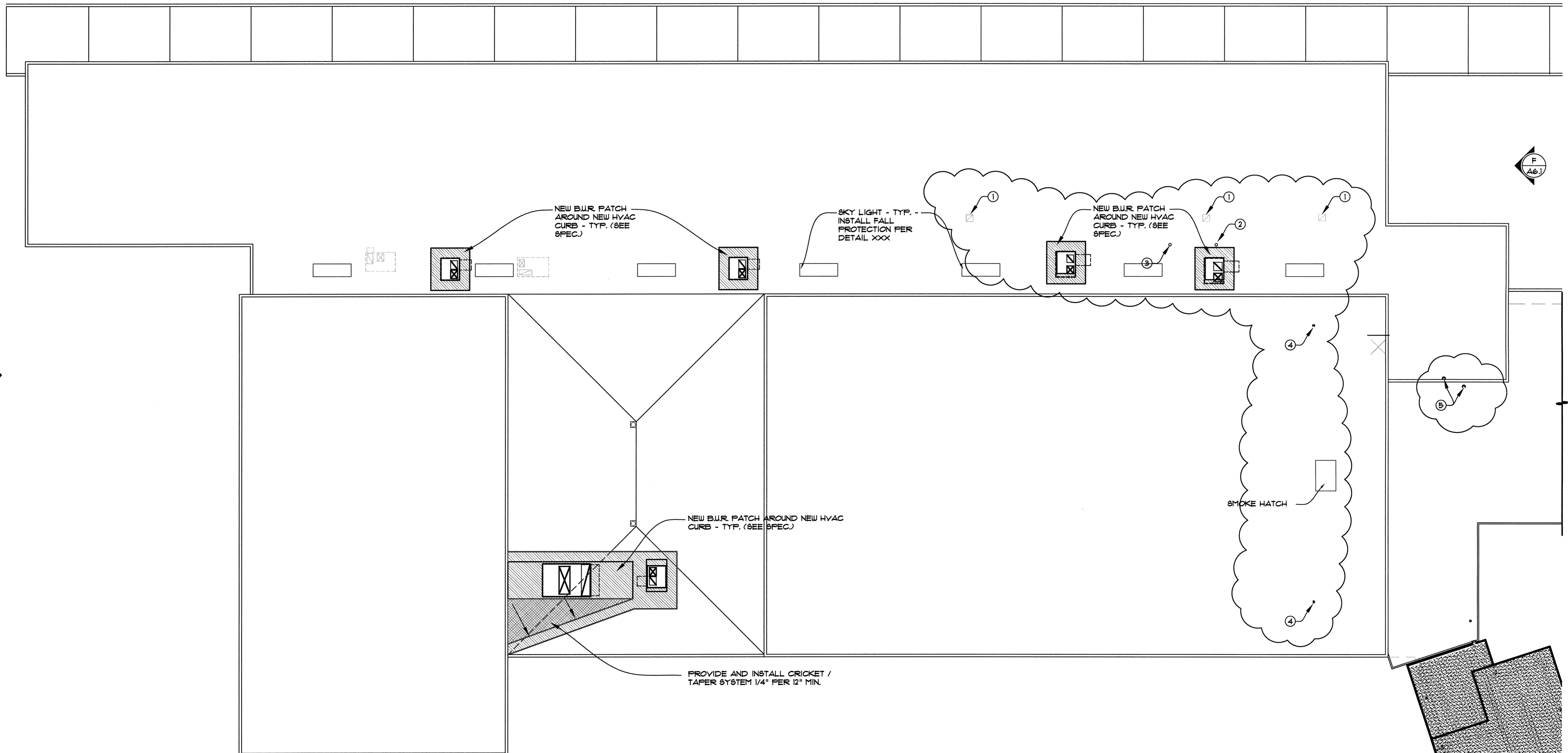


KEY NOTES: (1)

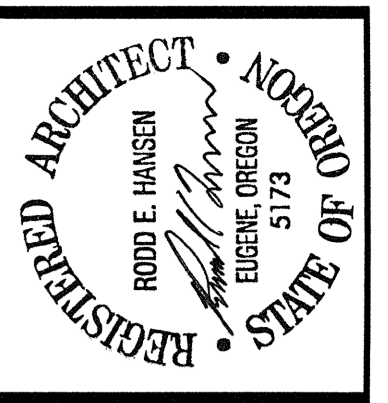
1. REMOVE (E) RELIEF VENT - PROVIDE AN INSTALL SHEETMETAL CAP - REMOVE INTERIOR GRILLE - FILL CAVITY W/ BATT INSULATION
2. REMOVE (E) 2" VTR
3. INSTALL NEW 2" VTR - SEE MECHANICAL
4. SEE DTL. 6/14.1
5. SEE DTL. 6/14.1

KEY PLAN

SCALE: NONE



QUADRANT A (ENLARGED FLOOR PLAN)
SCALE: 3/32" = 1'-0"



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ENERGY EFFICIENCY UPGRADE
SPENCER BUTTE MIDDLE SCHOOL
500 EAST 43RD AVENUE
EUGENE, OR. 97405

TITLE: ROOF PLAN

JOB#: 1125.11012013

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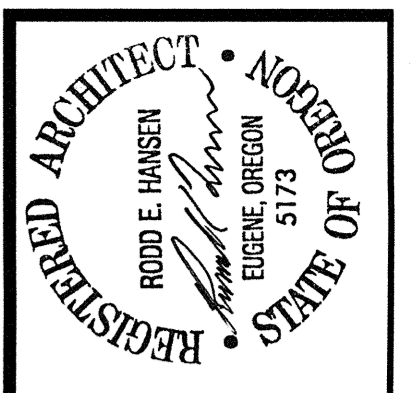
04-30-2014

05-01-2014

ISSUE DATE: 04-24-2014

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

A4.1a



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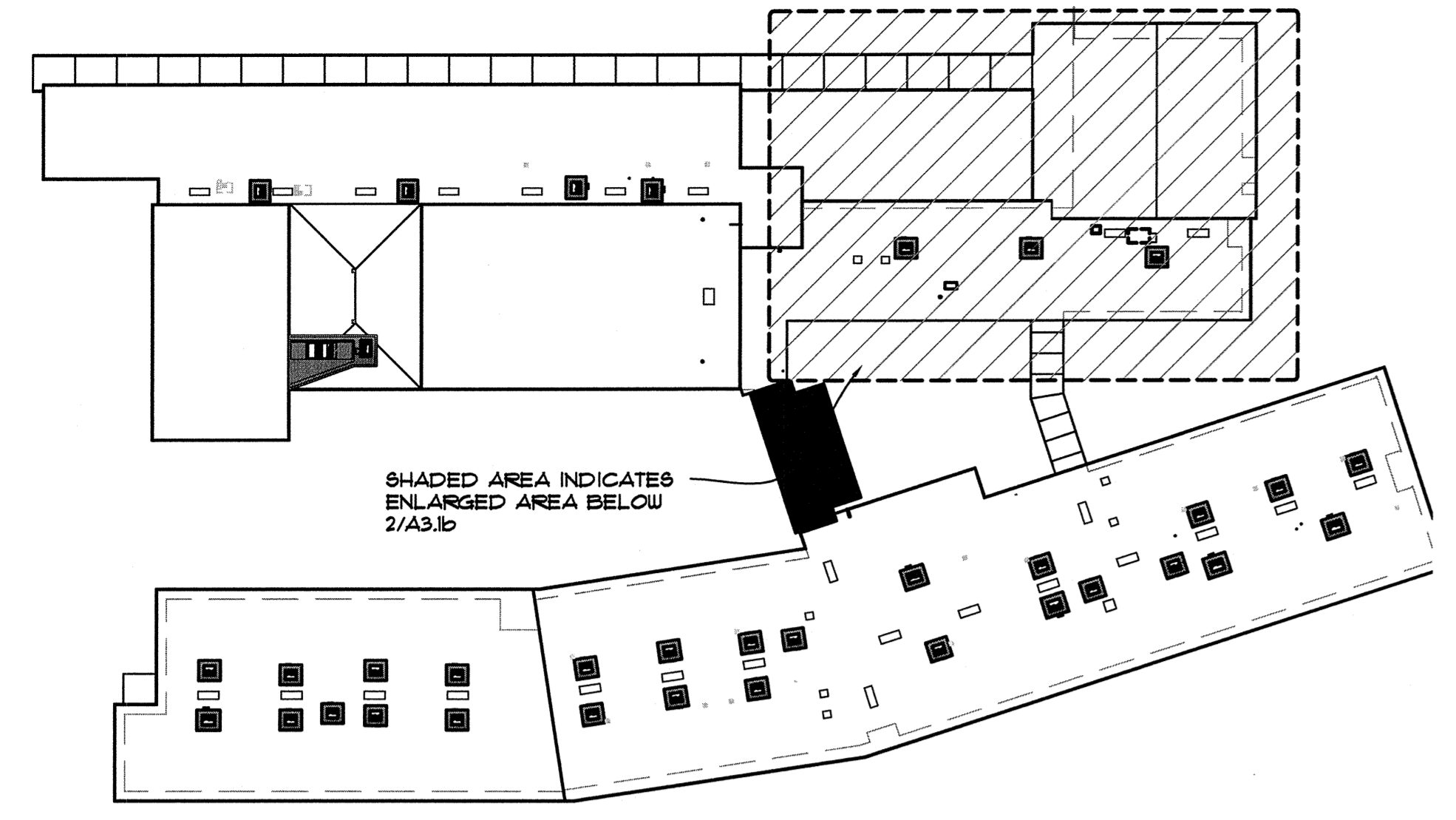
RODD HANSEN ARCHITECT, L.L.C.
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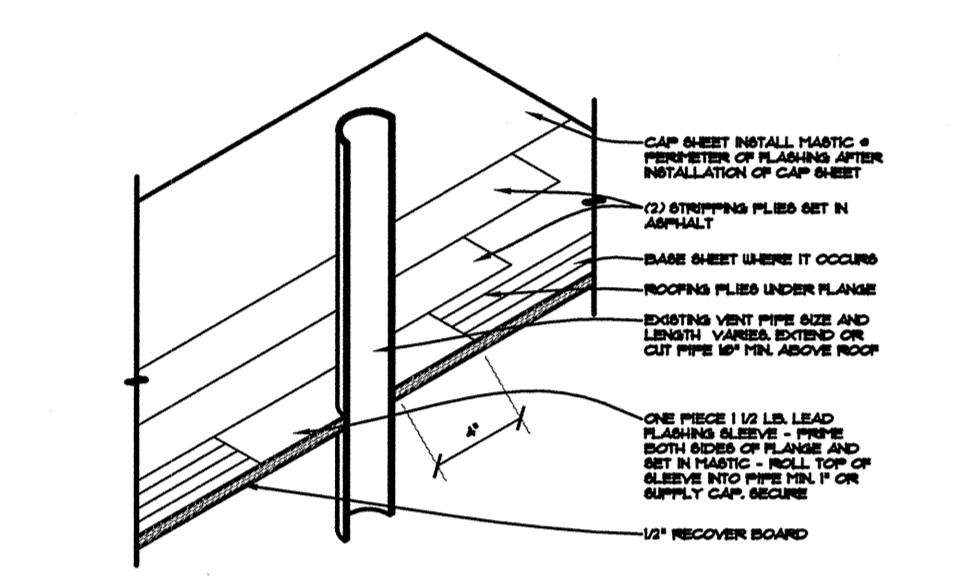
FIRST
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 04-30-2014
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 ISSUE DATE: 04-24-2014
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A4.1b

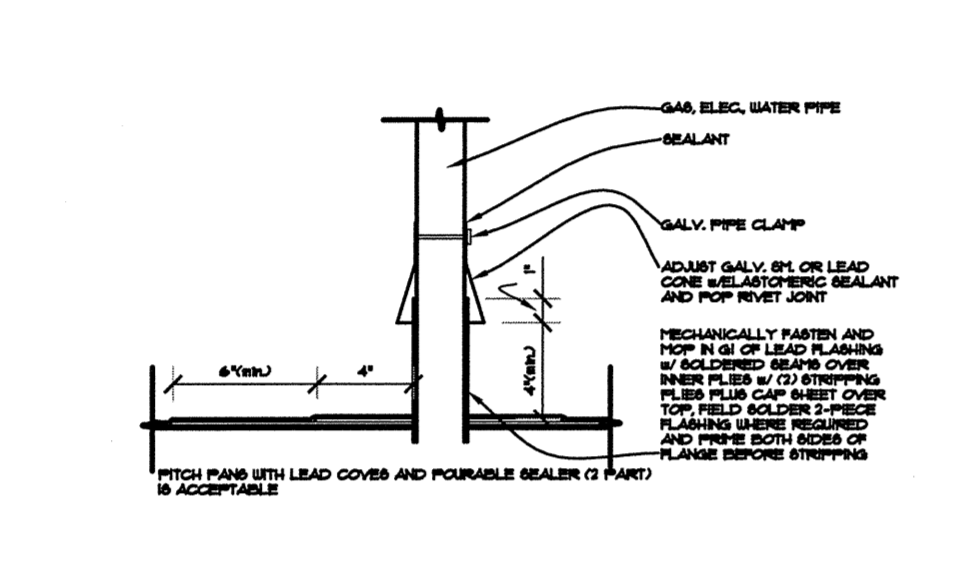
- KEY NOTES:
1. REMOVE (E) RELIEF VENT - PROVIDE AN INSTALL SHEETMETAL CAP - REMOVE INTERIOR GRILLE - FILL CAVITY W/ BATT INSULATION
 2. REMOVE (E) 2" VTR
 3. INSTALL NEW 2" VTR - SEE MECHANICAL
 4. SEE DTL. 8/141
 5. SEE DTL. 9/141



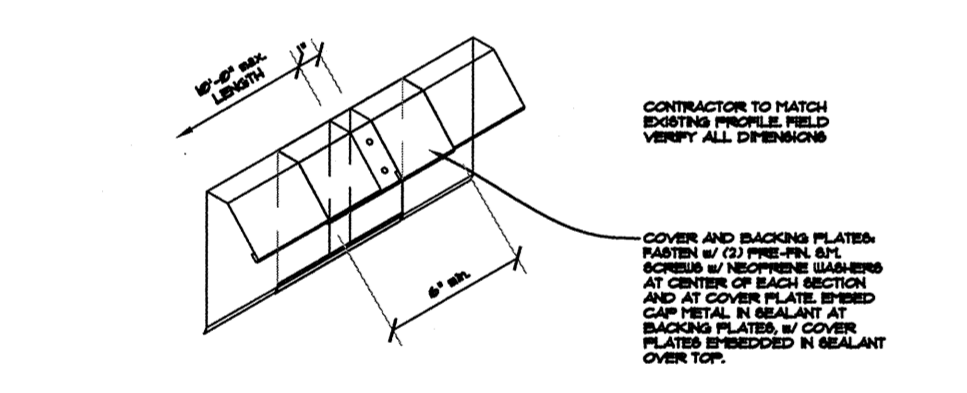
KEY PLAN
 SCALE: NONE



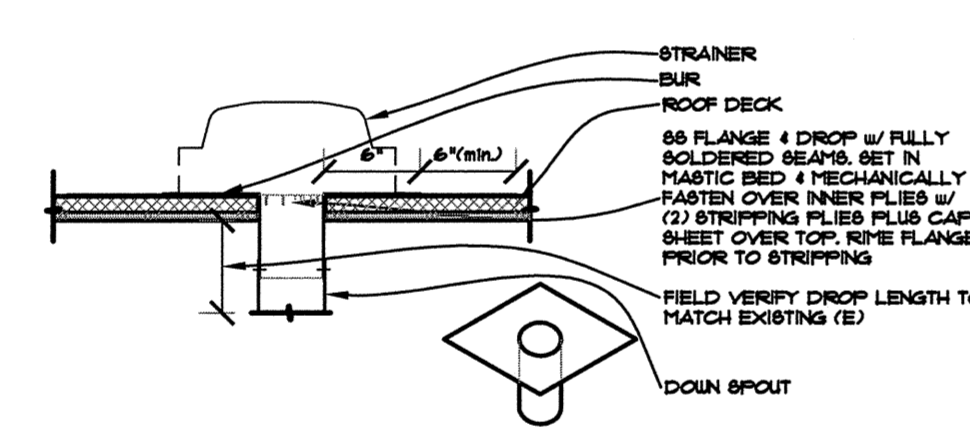
1 PIPE VENT DETAIL
 SCALE: 1-1/2" = 1'-0"



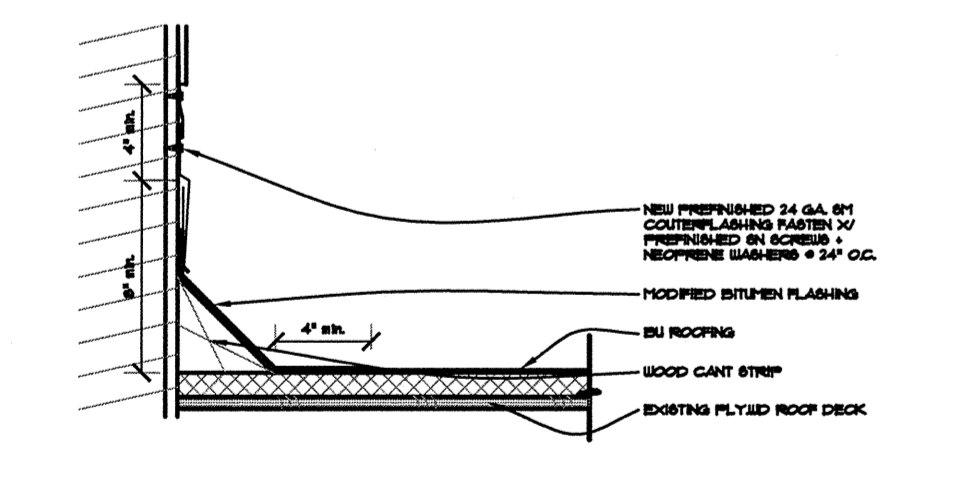
2 ALL PIPE PENETRATION DETAIL
 SCALE: 1-1/2" = 1'-0"



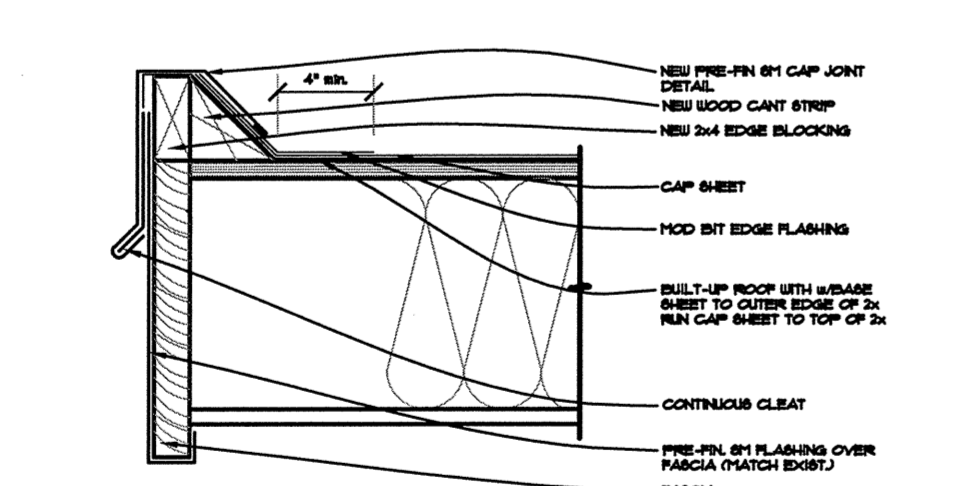
3 ROOF EDGE DETAIL
 SCALE: 1-1/2" = 1'-0"



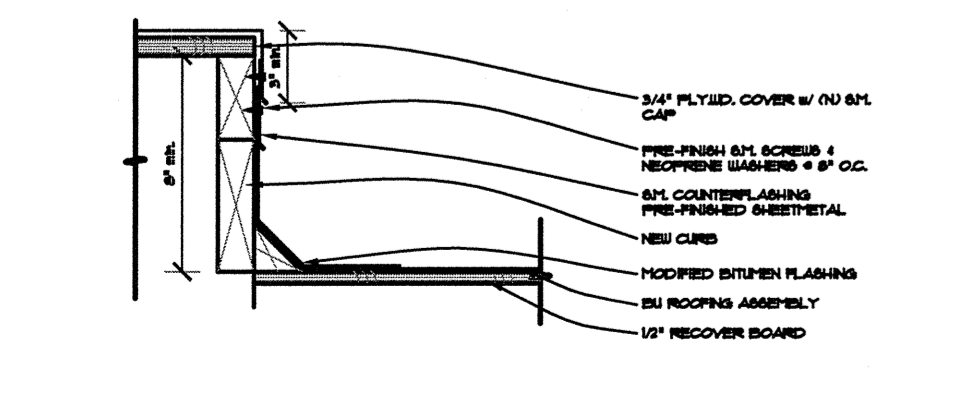
4 DROP DRAIN DETAIL
 SCALE: 1-1/2" = 1'-0"



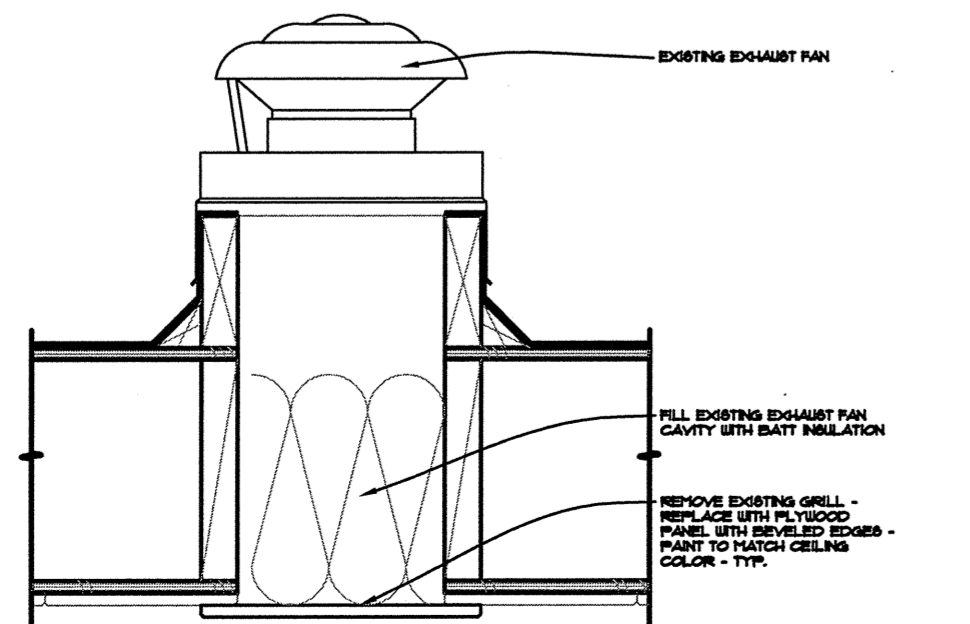
5 FLASHING AT WALL / ROOF DETAIL
 SCALE: 1-1/2" = 1'-0"



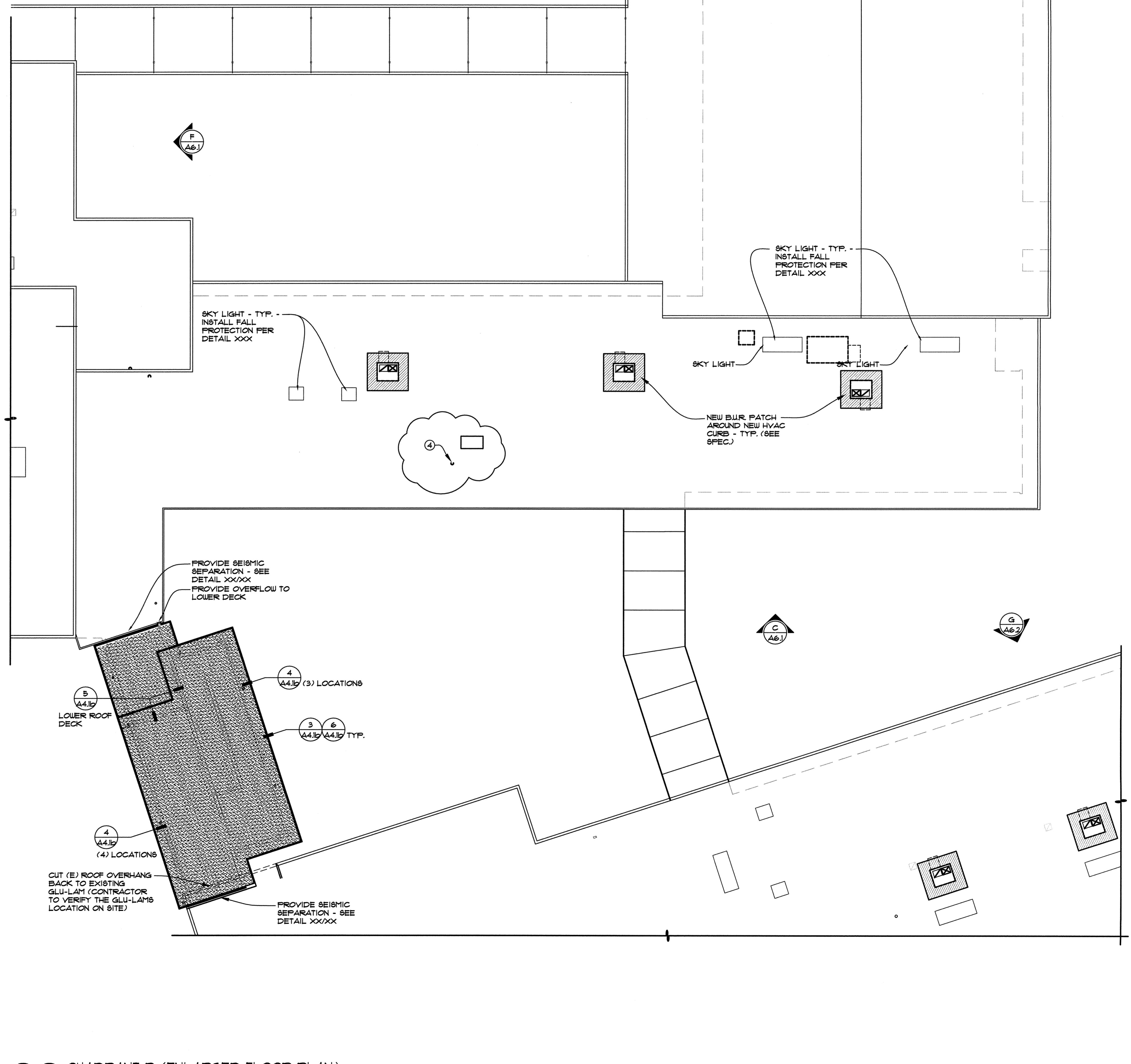
6 NEW OUTER EDGE DETAIL
 SCALE: 1-1/2" = 1'-0"



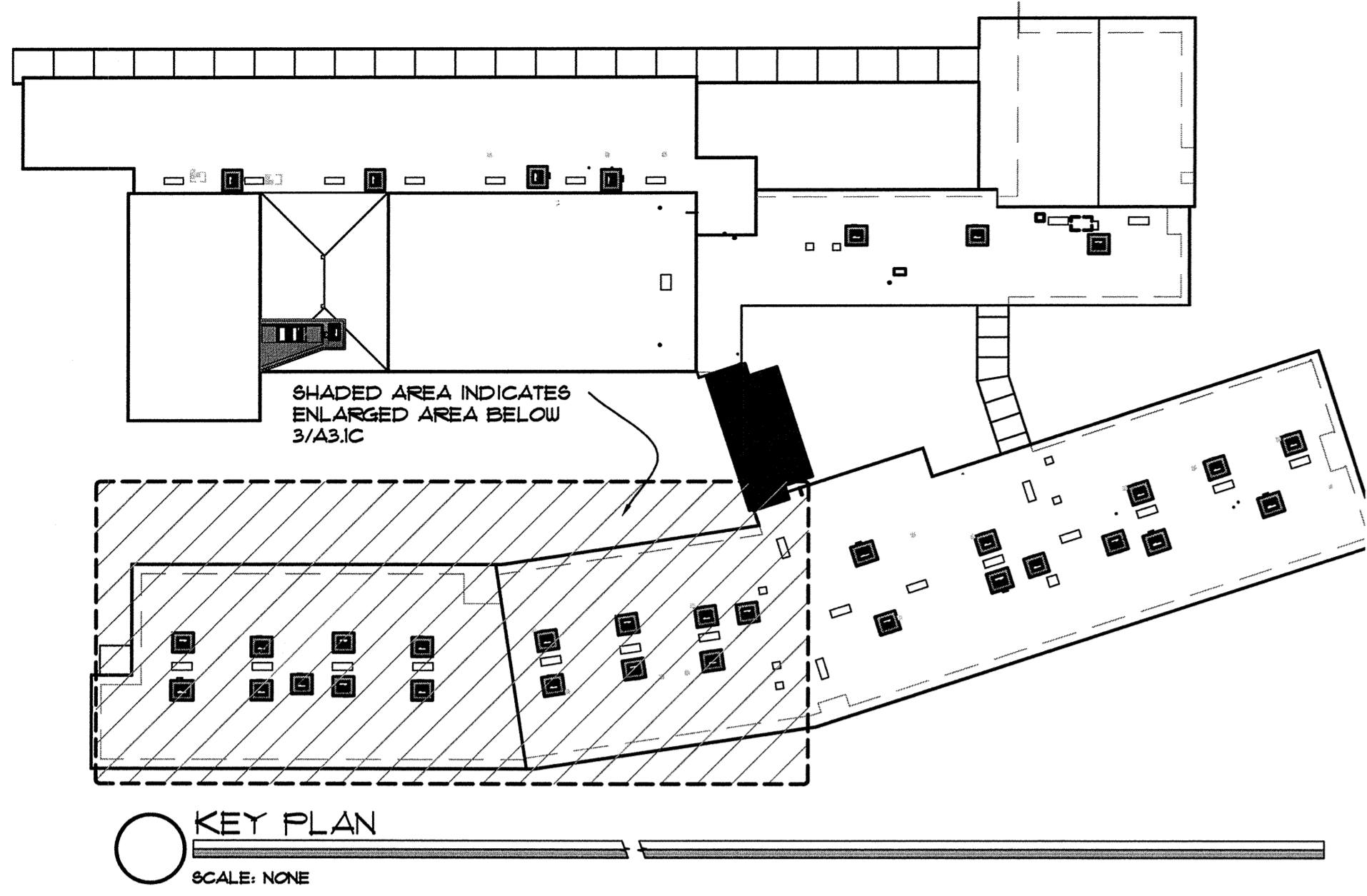
7 SHEET METAL CAP DETAIL
 SCALE: 1-1/2" = 1'-0"



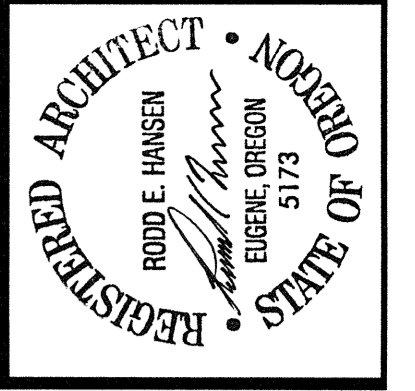
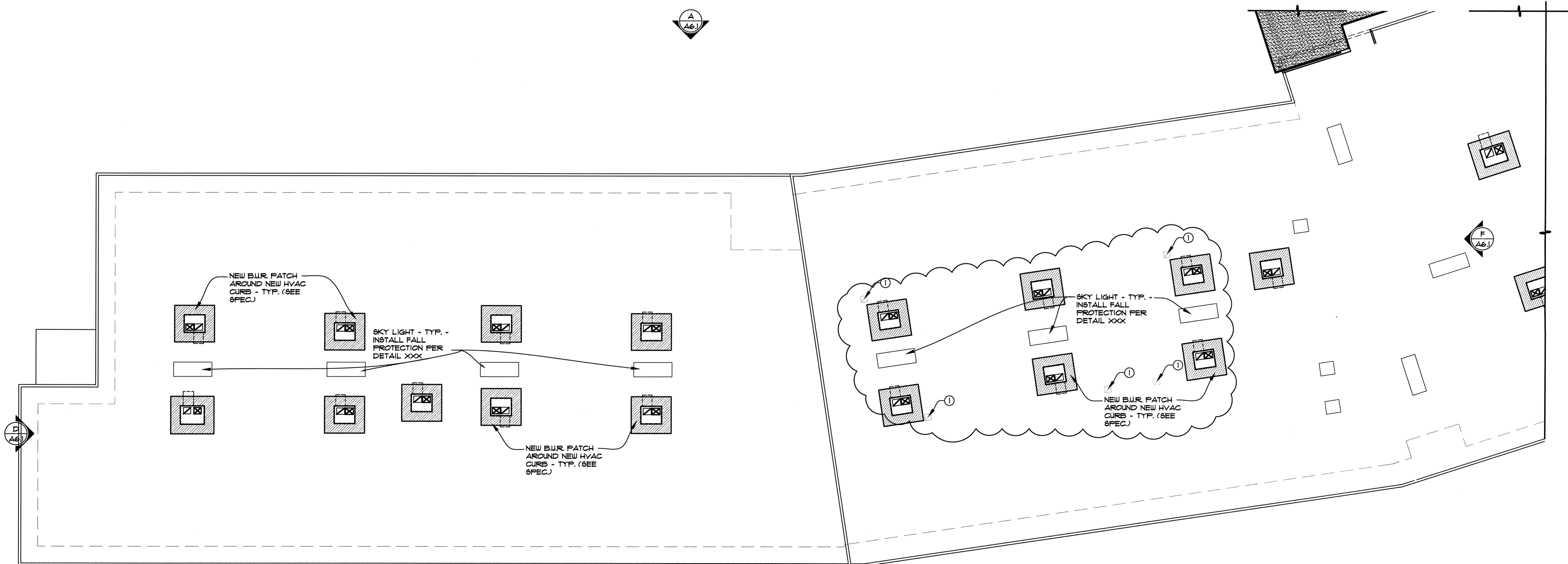
8 XXXX
 SCALE: 1-1/2" = 1'-0"



2 QUADRANT B (ENLARGED FLOOR PLAN)
 SCALE: 3/32" = 1'-0"



- KEY NOTES: (1)
1. REMOVE (E) RELIEF VENT - PROVIDE AN INSTALL SHEETMETAL CAP - REMOVE INTERIOR GRILLE - FILL CAVITY W/ BATT INSULATION
 2. REMOVE (E) 2" VTR
 3. INSTALL NEW 2" VTR - SEE MECHANICAL



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FIRST
TITLE: FLOOR PLAN

JOB#: 1125.11012013

DRAWN BY: JSD

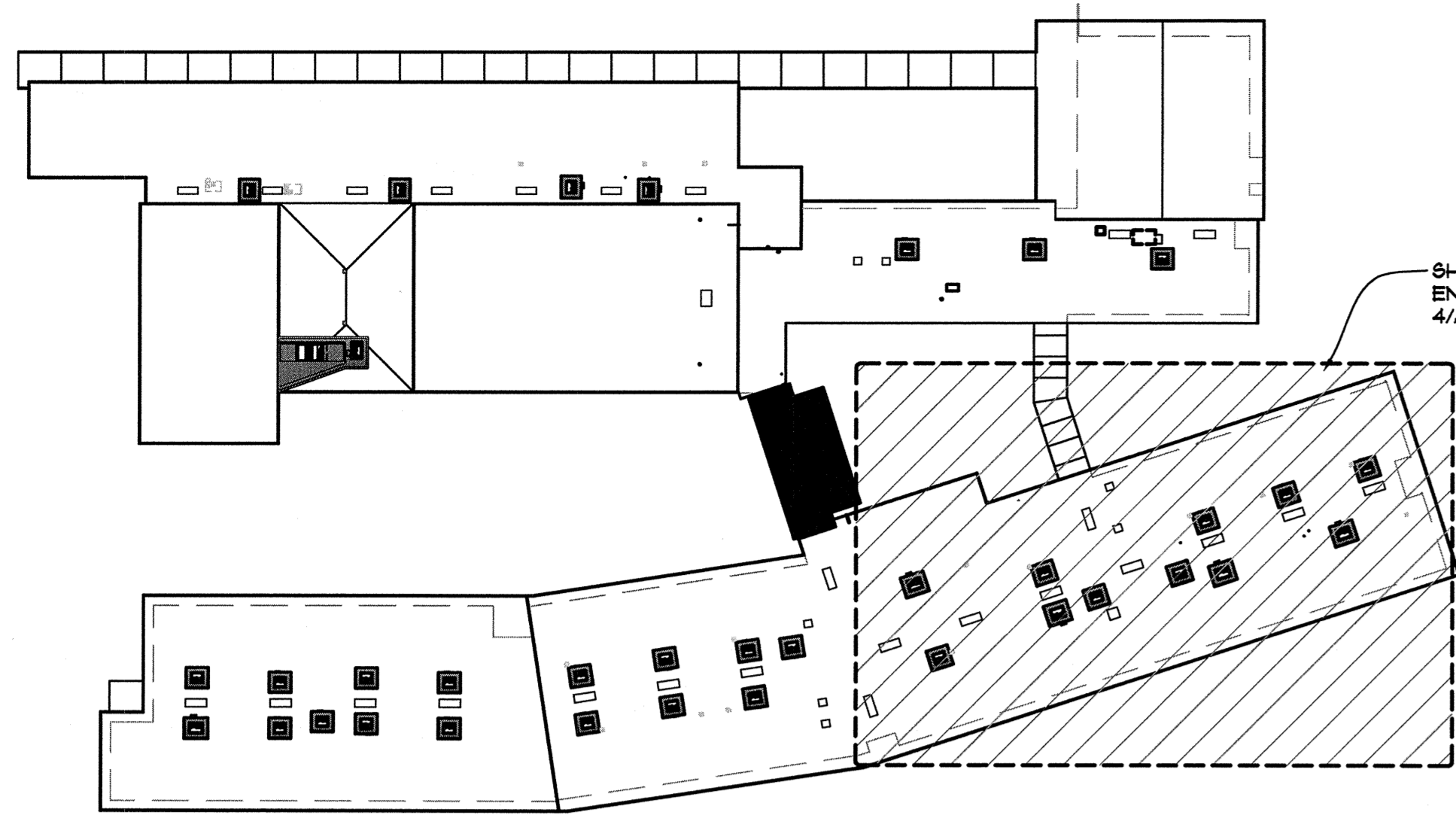
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|---|------------|
| 1 | 04-30-2014 |
| 2 | 05-01-2014 |

ISSUE DATE: 04-24-2014

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

A4.1c

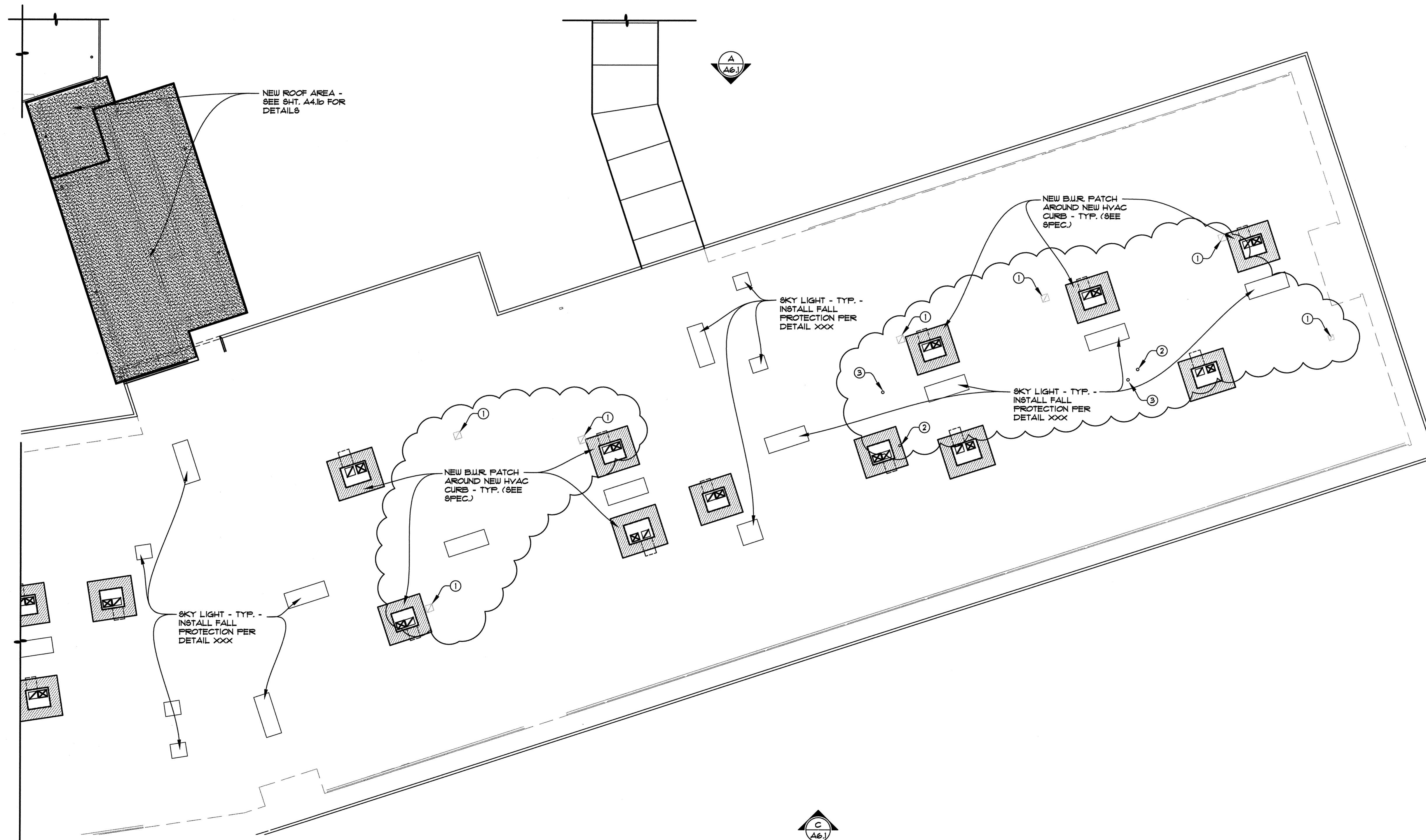
3 QUADRANT A (ENLARGED FLOOR PLAN)
 SCALE: 3/32" = 1'-0"



- KEY NOTES: (O)
1. REMOVE (E) RELIEF VENT - PROVIDE AN INSTALL SHEETMETAL CAP - REMOVE INTERIOR GRILLE - FILL CAVITY W/ BATT INSULATION
 2. REMOVE (E) 2" VTR
 3. INSTALL NEW 2" VTR - SEE MECHANICAL

SHADED AREA INDICATES ENLARGED AREA BELOW 4/A3.1d

KEY PLAN
SCALE: NONE



NEW ROOF AREA - SEE SHT. A4.1b FOR DETAILS

NEW BLUR PATCH AROUND NEW HVAC CURBS - TYP. (SEE SPEC.)

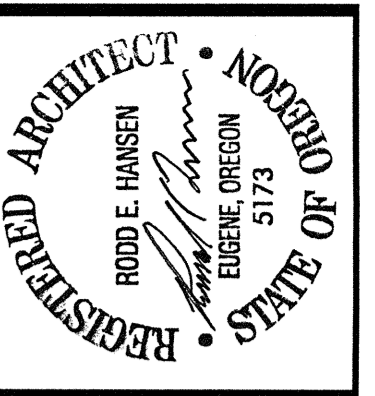
SKY LIGHT - TYP. - INSTALL FALL PROTECTION PER DETAIL XXX

NEW BLUR PATCH AROUND NEW HVAC CURBS - TYP. (SEE SPEC.)

SKY LIGHT - TYP. - INSTALL FALL PROTECTION PER DETAIL XXX

SKY LIGHT - TYP. - INSTALL FALL PROTECTION PER DETAIL XXX

4 QUADRANT A (ENLARGED FLOOR PLAN)
SCALE: 3/32" = 1'-0"



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ENERGY EFFICIENCY UPGRADE
SPENCER BUTTE MIDDLE SCHOOL
500 EAST 43RD AVENUE
EUGENE, OR. 97405

| | |
|-------------------|---------------|
| FIRST | |
| TITLE: FLOOR PLAN | |
| JOB#: | 1125.11012013 |
| DRAWN BY: | JSD |
| 1 | 04-30-2014 |
| 2 | 05-01-2014 |
| ISSUE DATE: | 04-24-2014 |
| SCALE: | 0/10"=0'-0" |

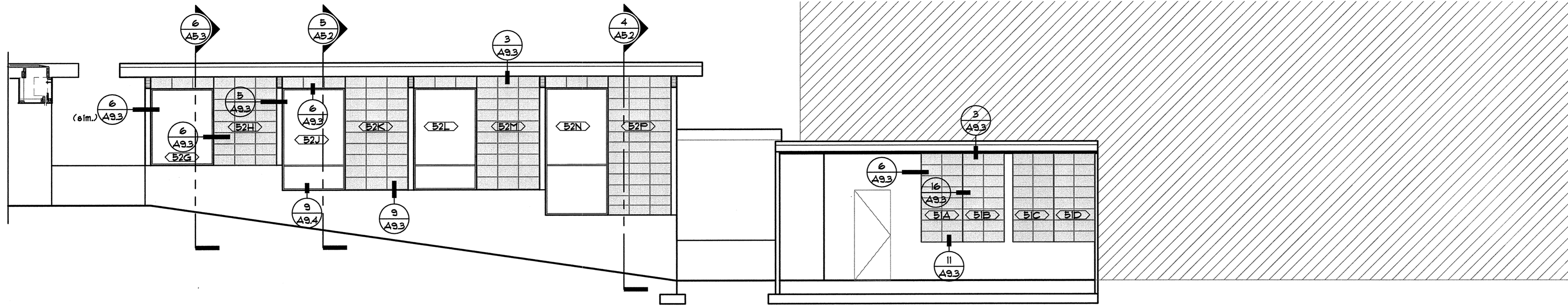
A4.1d



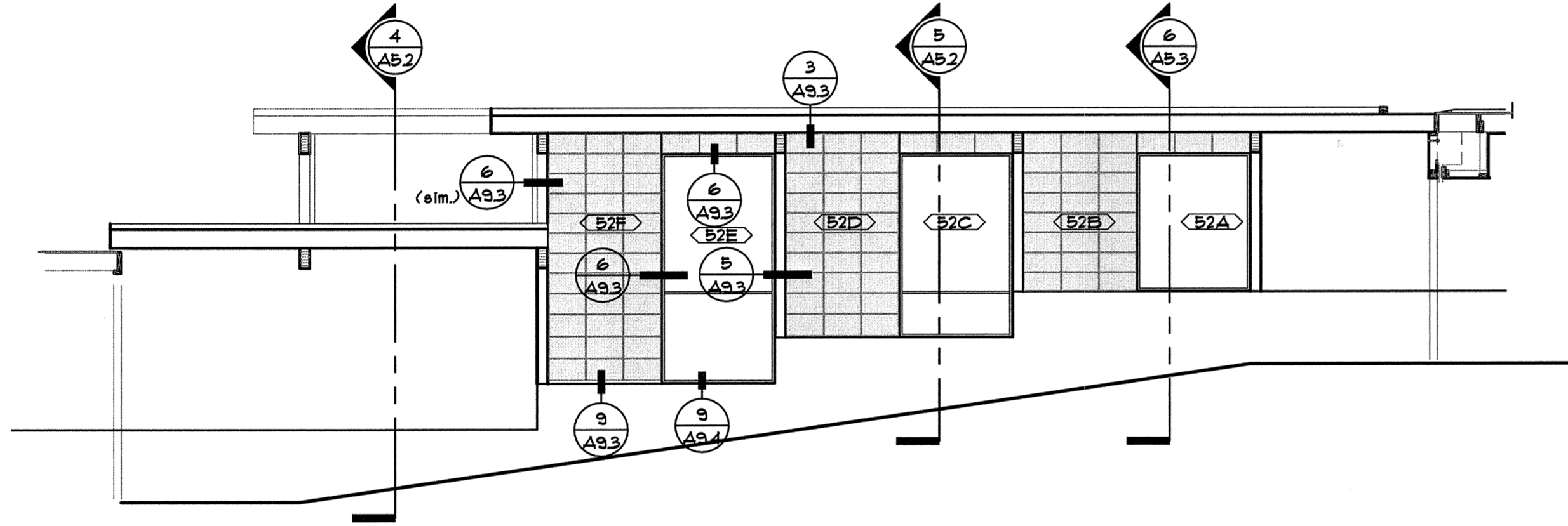
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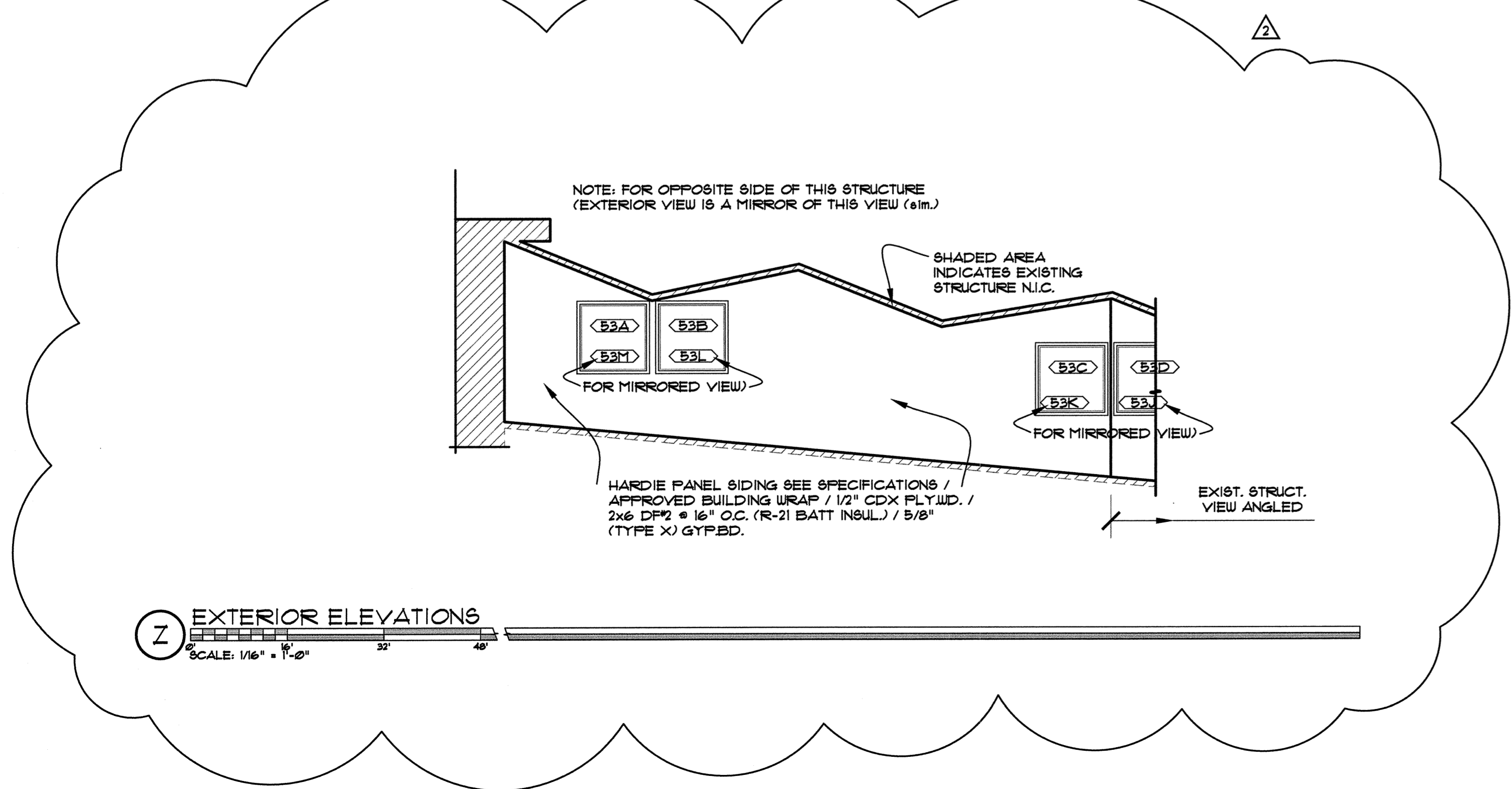
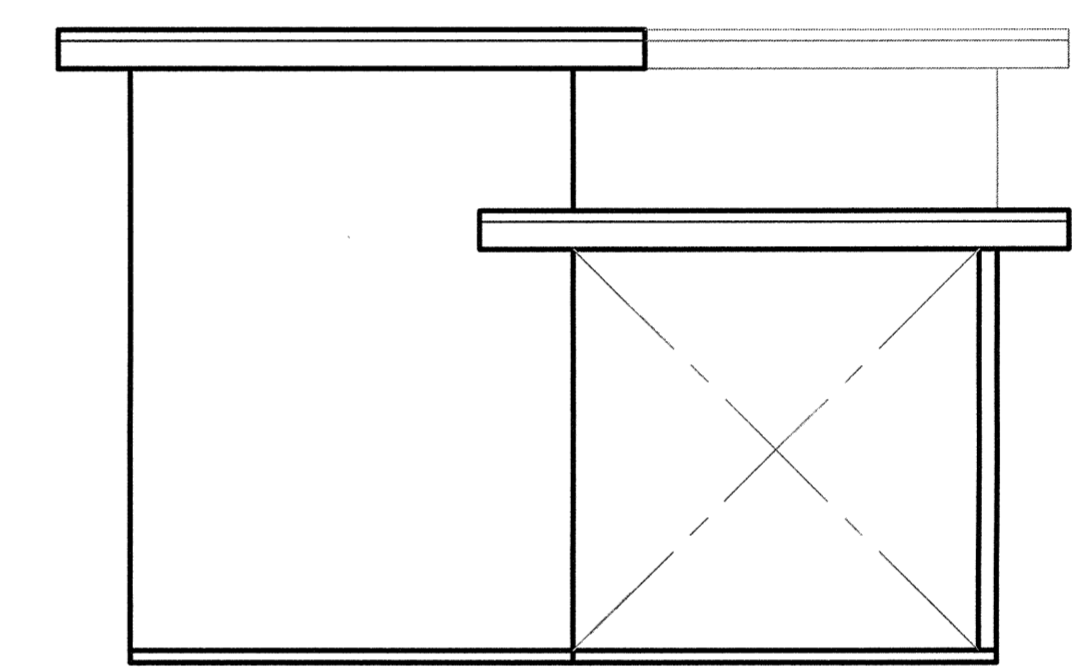
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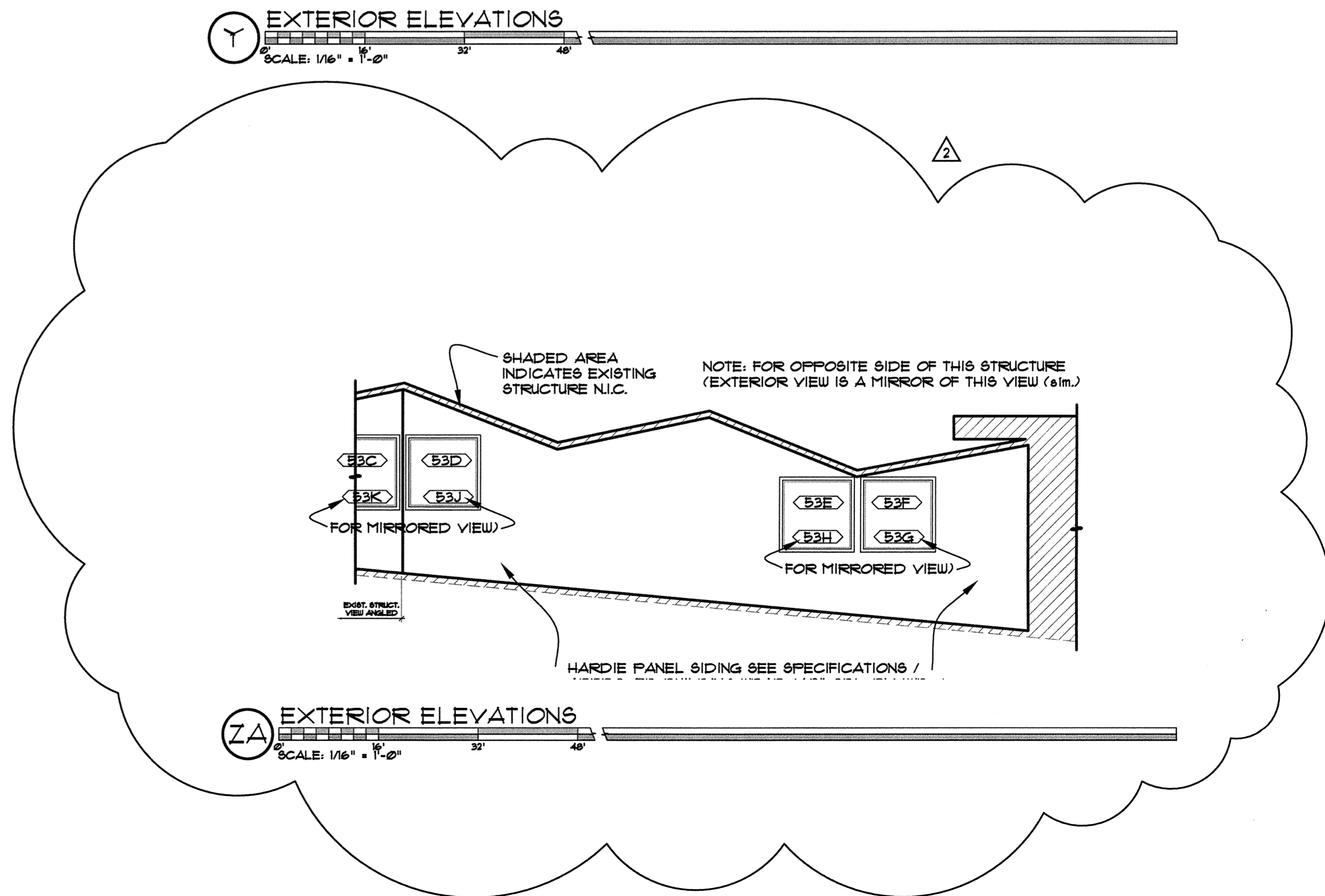
W EXTERIOR ELEVATIONS
 SCALE: 1/16" = 1'-0"



X EXTERIOR ELEVATIONS
 SCALE: 1/16" = 1'-0"



Z EXTERIOR ELEVATIONS
 SCALE: 1/16" = 1'-0"



ZA EXTERIOR ELEVATIONS
 SCALE: 1/16" = 1'-0"

EXTERIOR TITLE: ELEVATIONS

JOB#: 1125.11012013

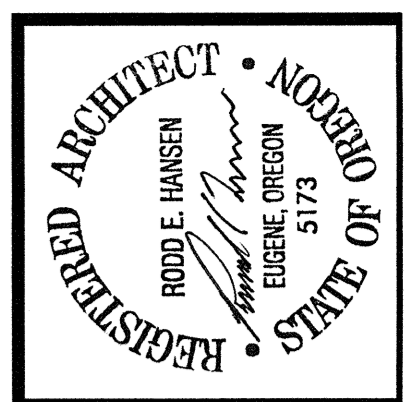
DRAWN BY: JSD

| | |
|---|------------|
| △ | 04-30-2014 |
| △ | 05-01-2014 |

ISSUE DATE: 04-24-2014

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

A6.5



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ENERGY EFFICIENCY UPGRADE
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 500 EAST 43RD AVENUE
 EUGENE, OR. 97405

TITLE: DETAILS

JOB#: 1125.1102013

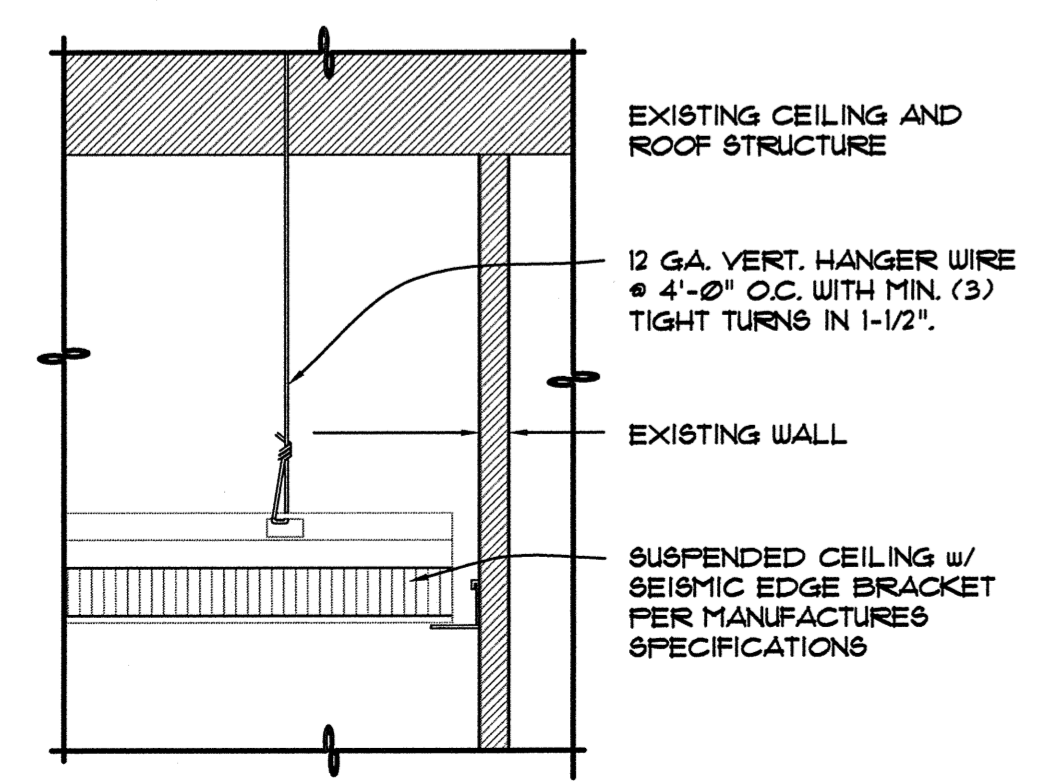
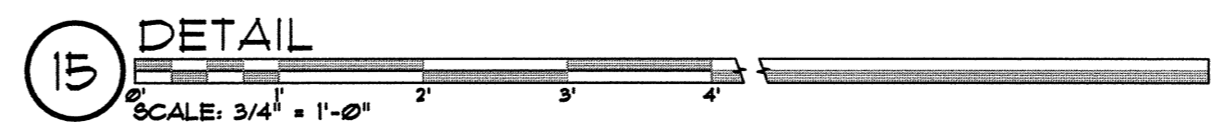
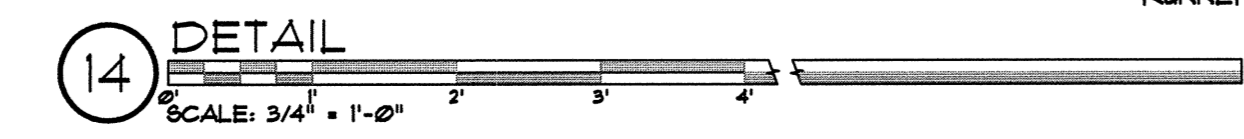
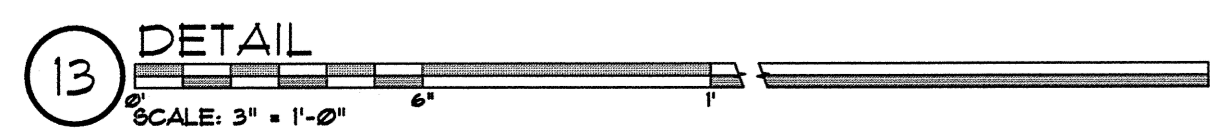
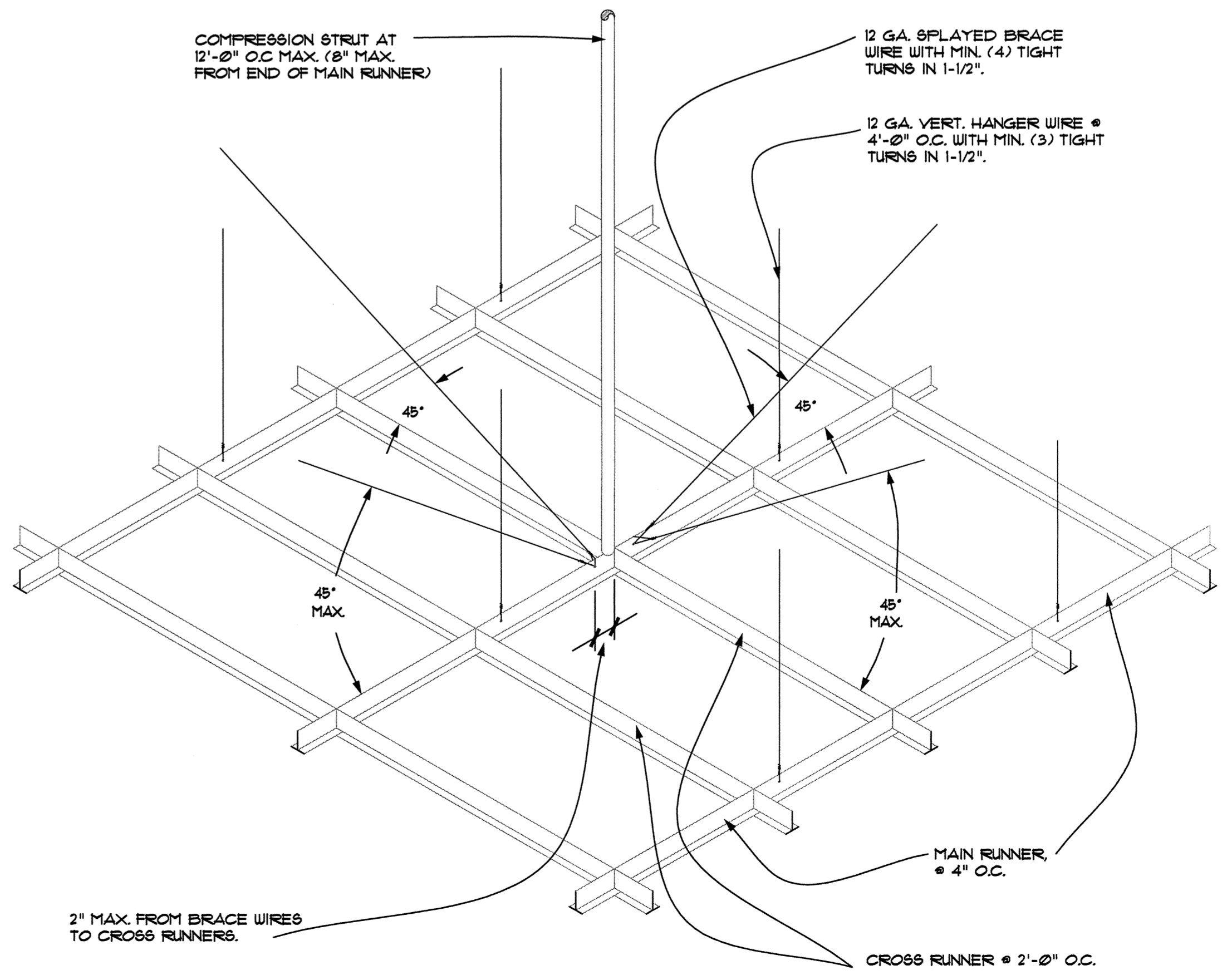
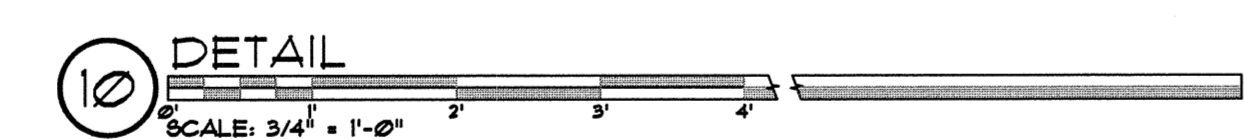
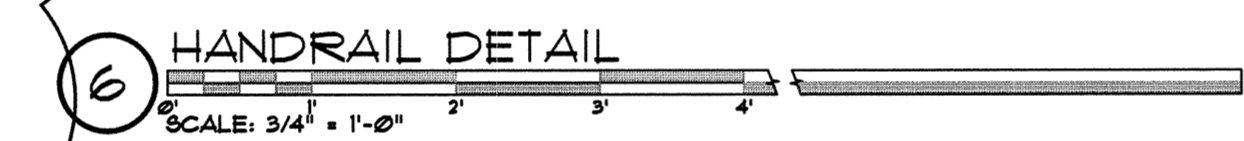
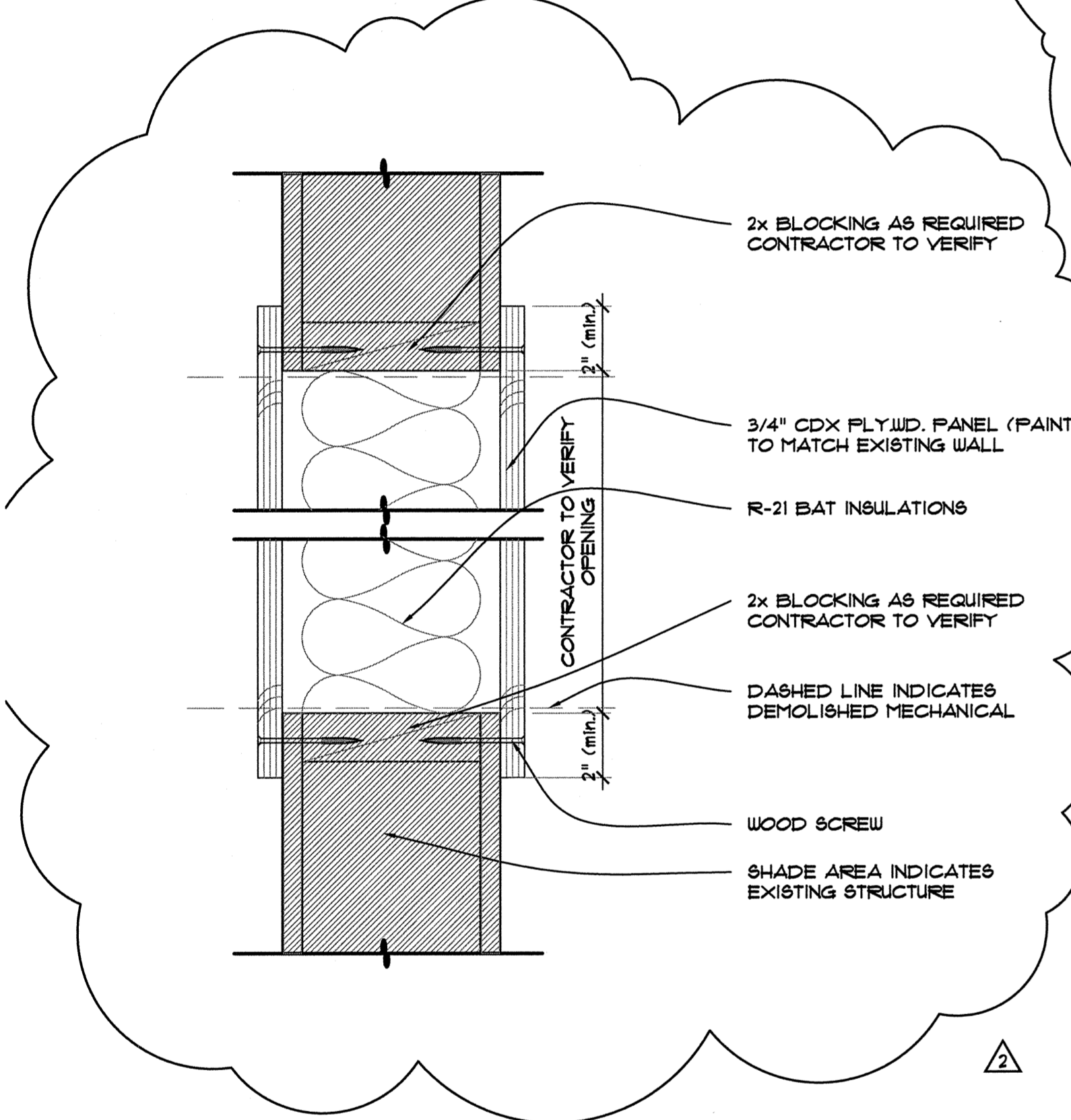
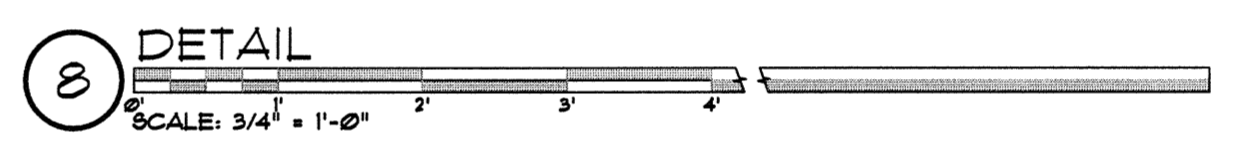
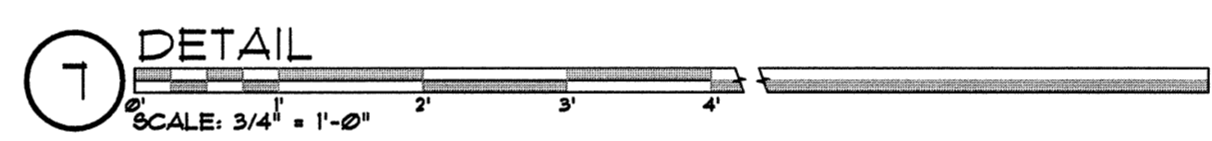
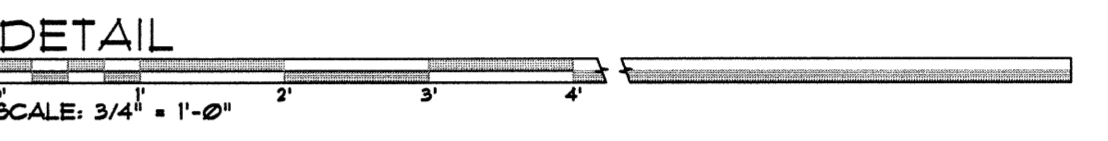
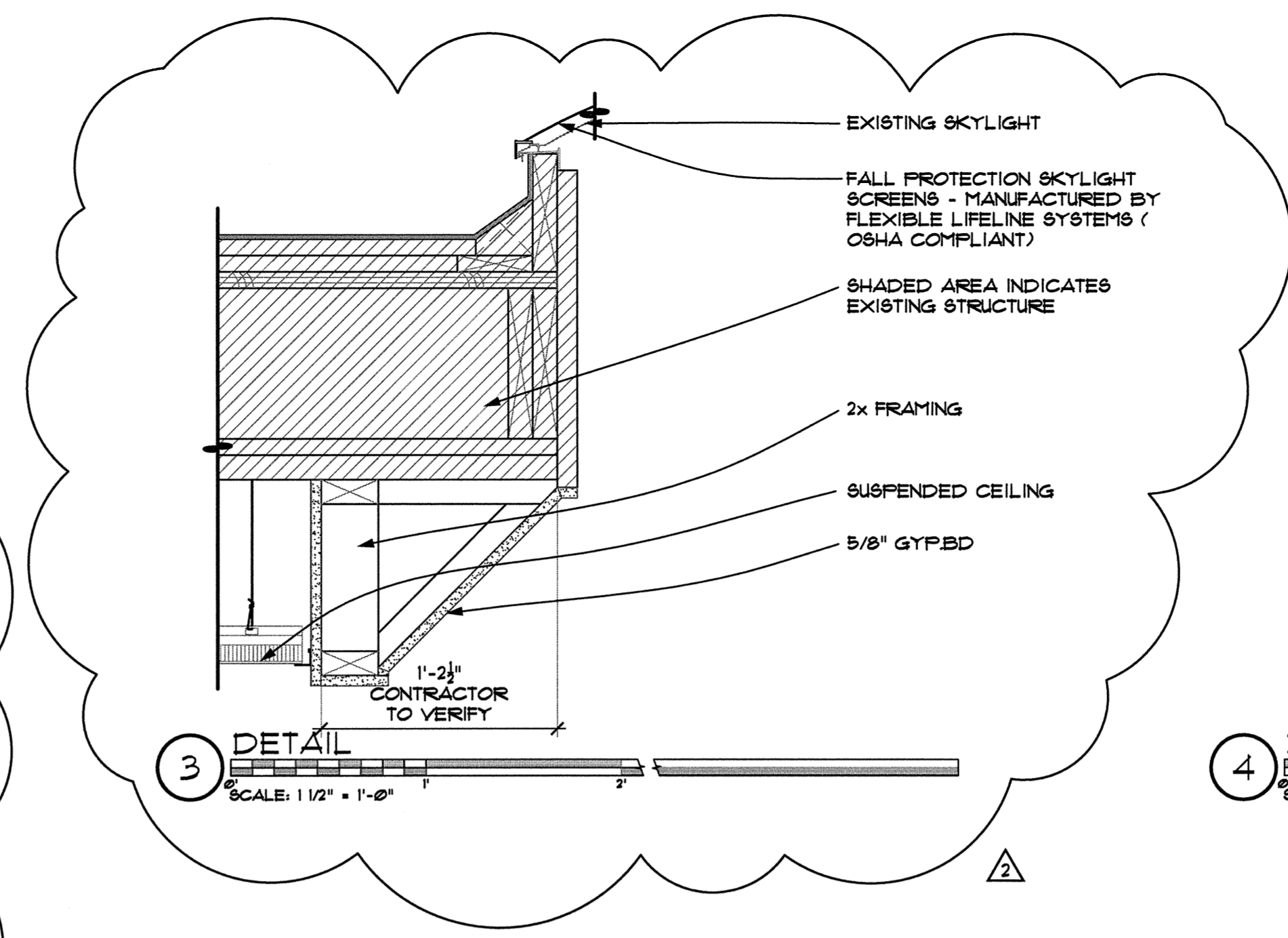
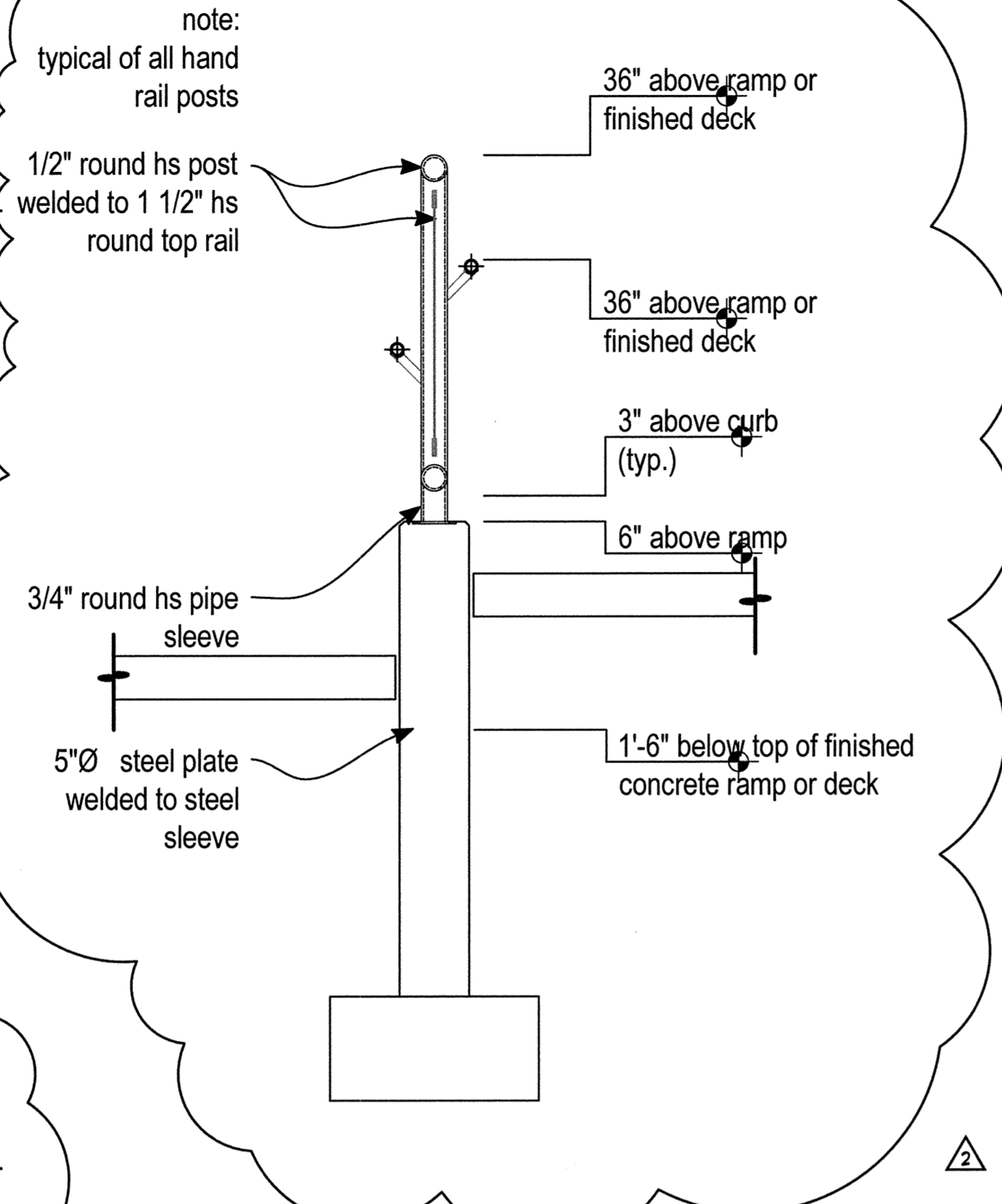
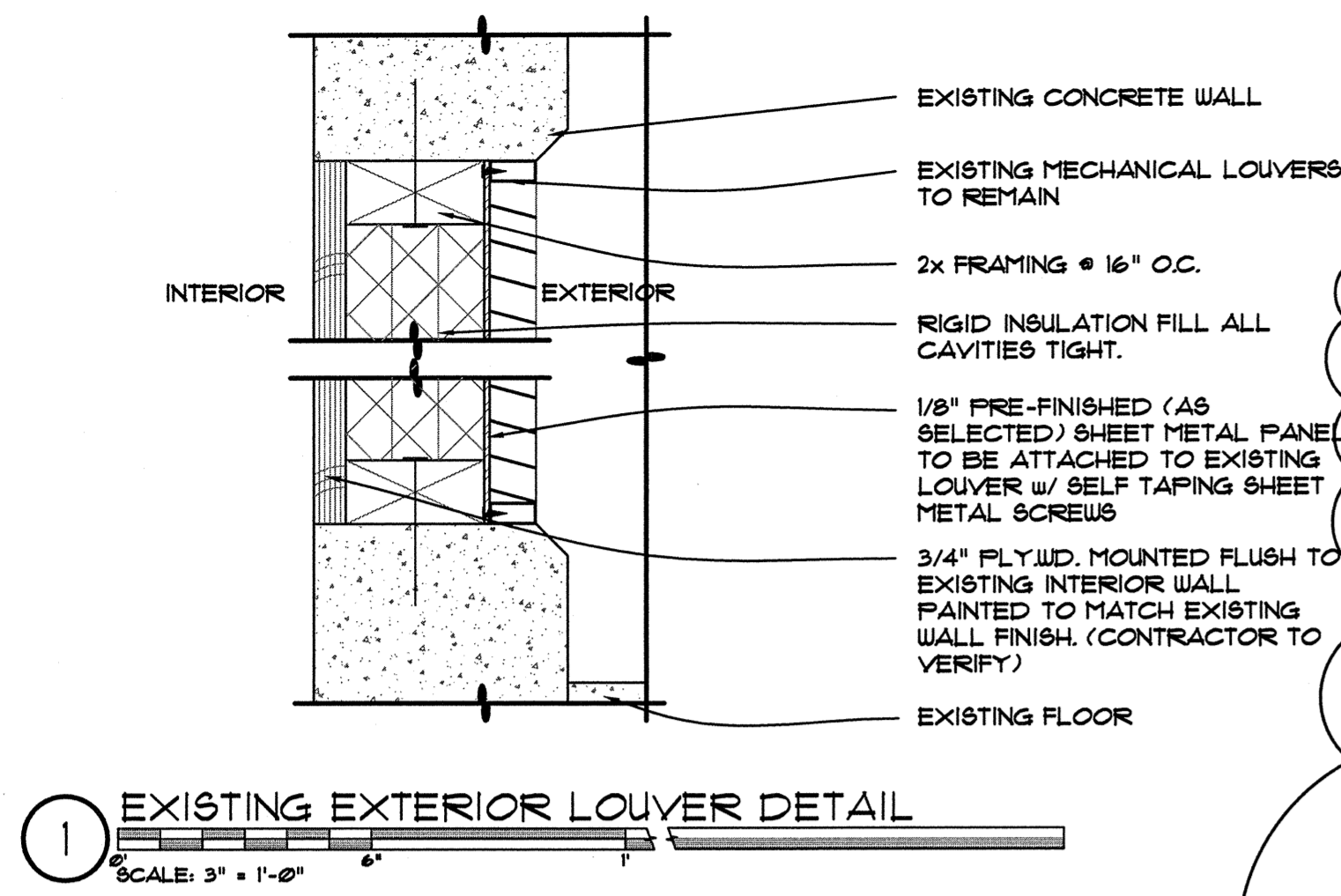
DRAWN BY: JSD

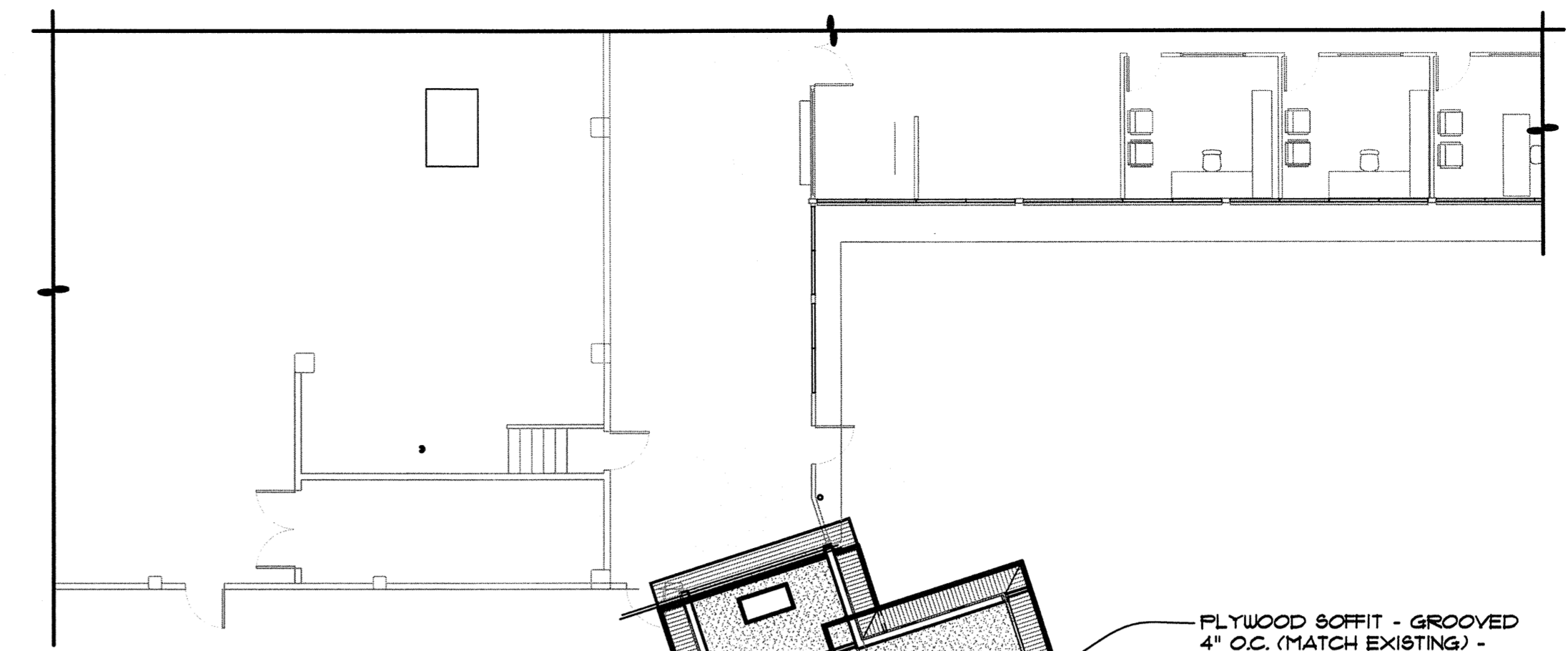
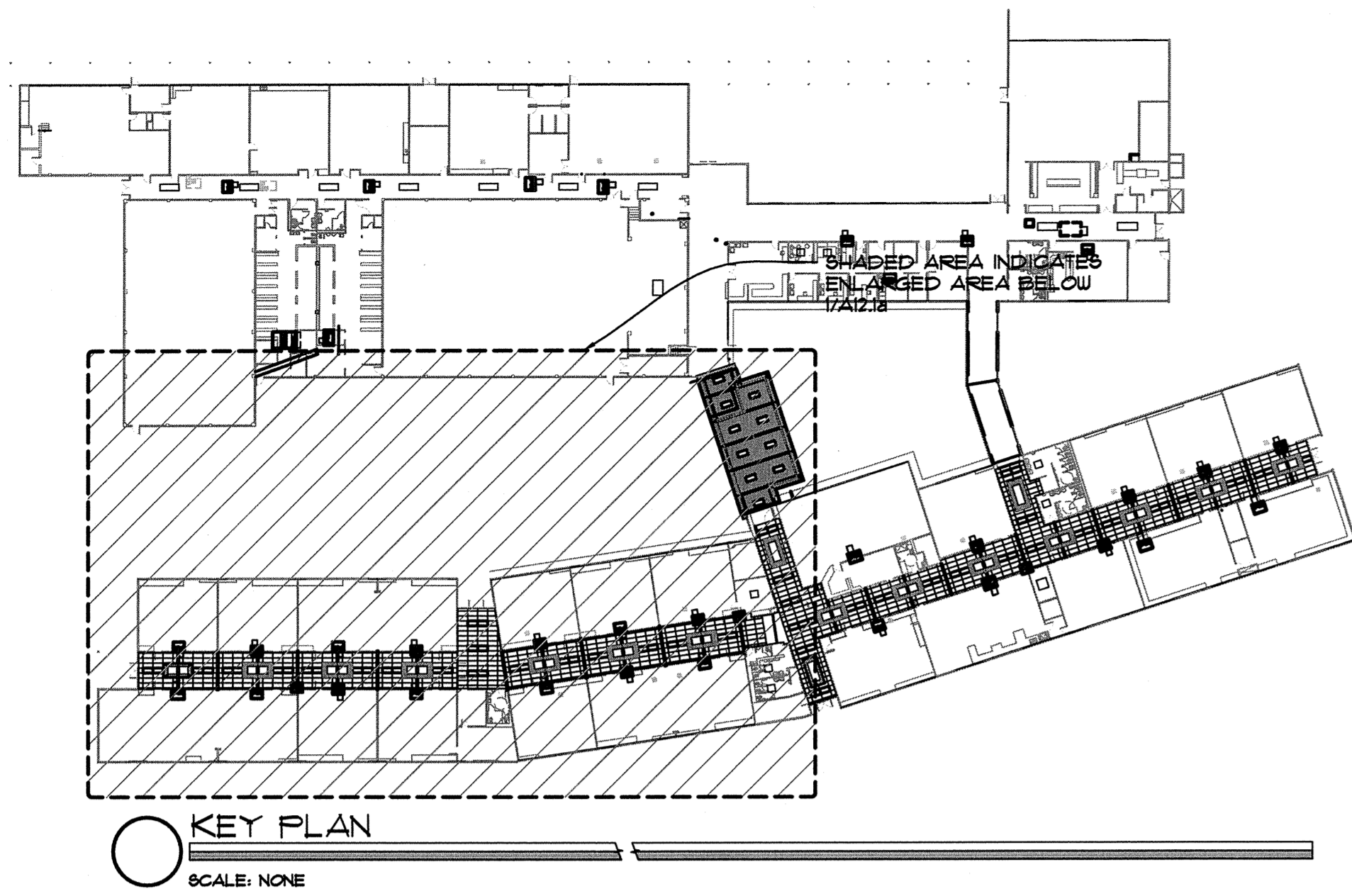
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| △ | 04-30-2014 |
| △ | 05-01-2014 |

ISSUE DATE: 04-24-2014

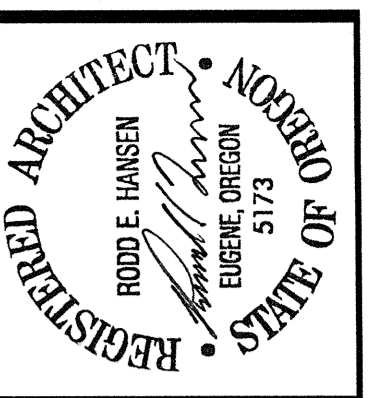
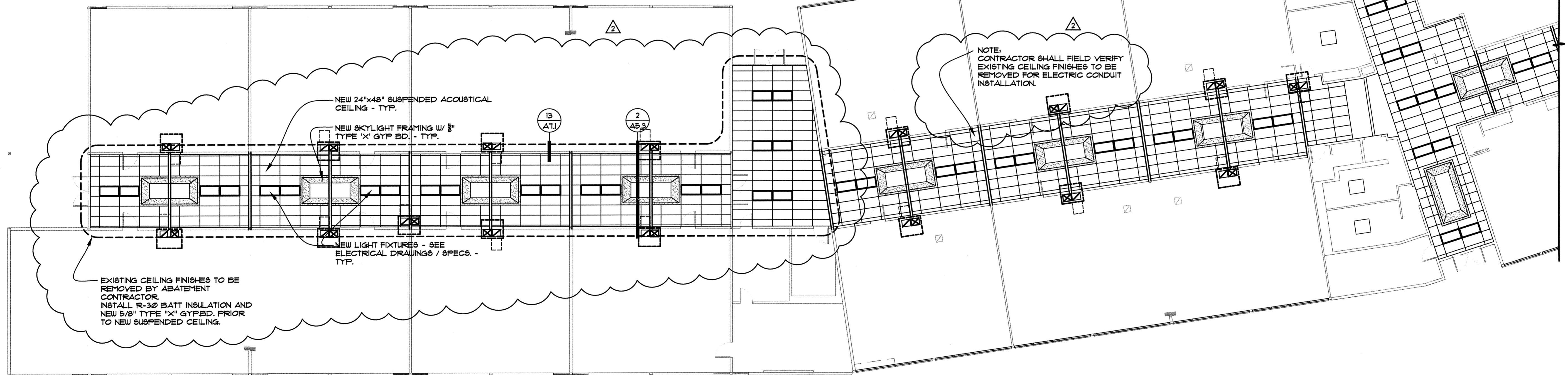
SCALE: VARIES

A7.1





PLYWOOD SOFFIT - GROOVED
4" O.C. (MATCH EXISTING) -
TYP.
5/8" TYPE 'X' GYP. BD. - TYP.
NEW LIGHT FIXTURES - SEE
ELECTRICAL DRAWINGS /
SPECS. - TYP.



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ENERGY EFFICIENCY UPGRADE
SPENCER BUTTE MIDDLE SCHOOL
500 EAST 43RD AVENUE
EUGENE, OR. 97405

FIRST FLOOR
REFLECTED
TITLE: CEILING PLAN

JOB#: 1125.11012013

DRAWN BY: JSD

04-30-2014

05-01-2014

ISSUE DATE: 04-24-2014

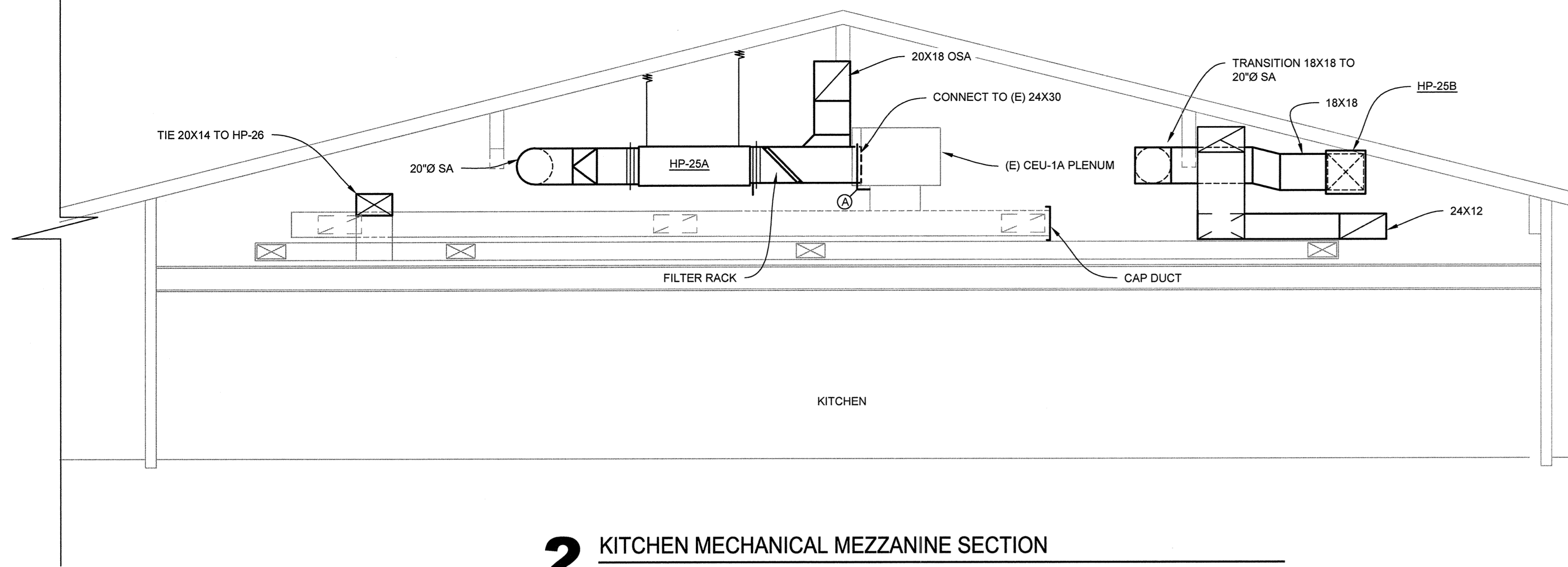
SCALE: 0/0'-0"-0"

A12.1a



**MOULDS
MECHANICAL
ENGINEERING**

2190 WEST 11th
SUITE 224
EUGENE, OR 97402
(541) 484-0241

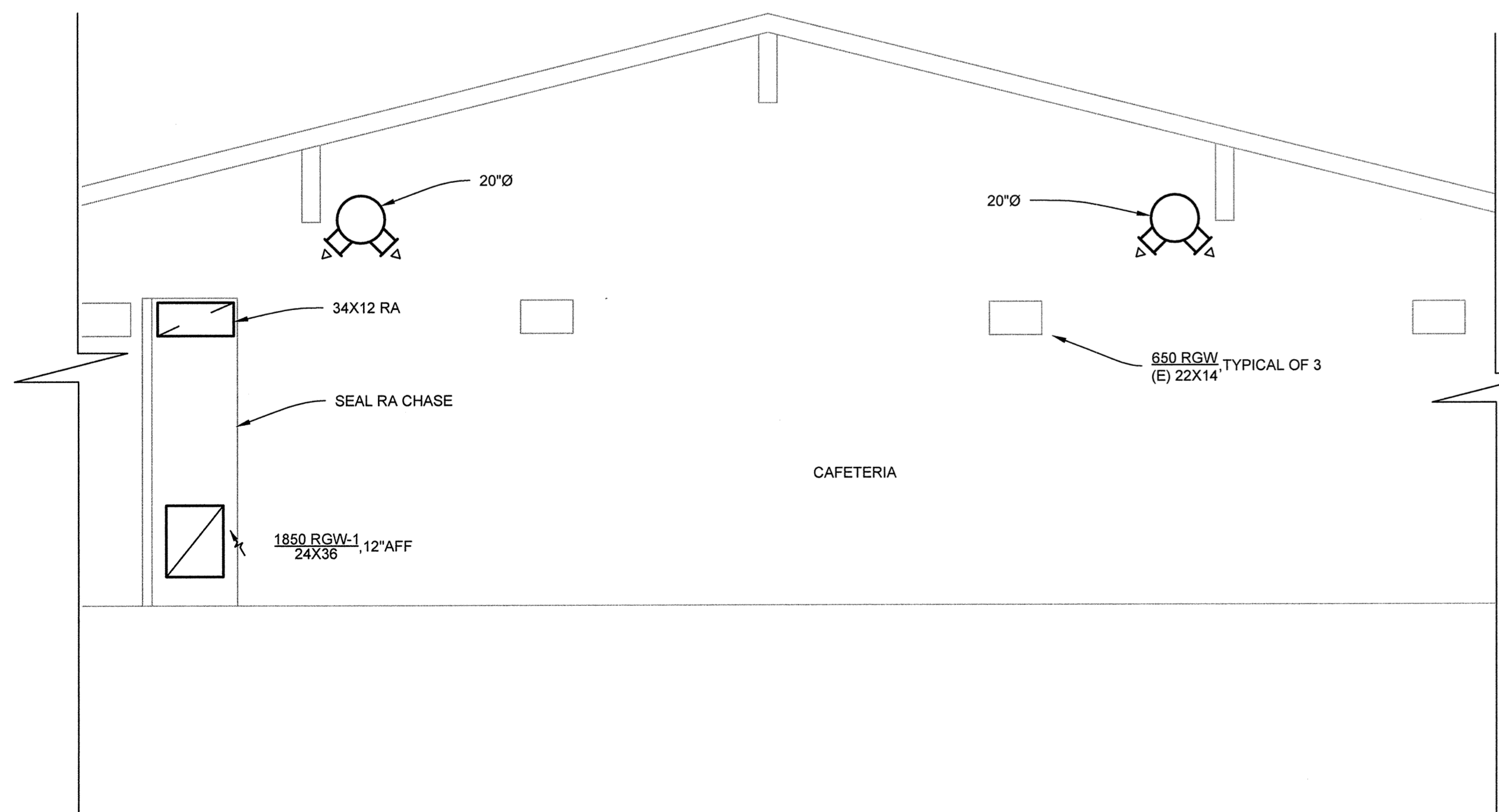


2 KITCHEN MECHANICAL MEZZANINE SECTION
1/4" = 1'-0"

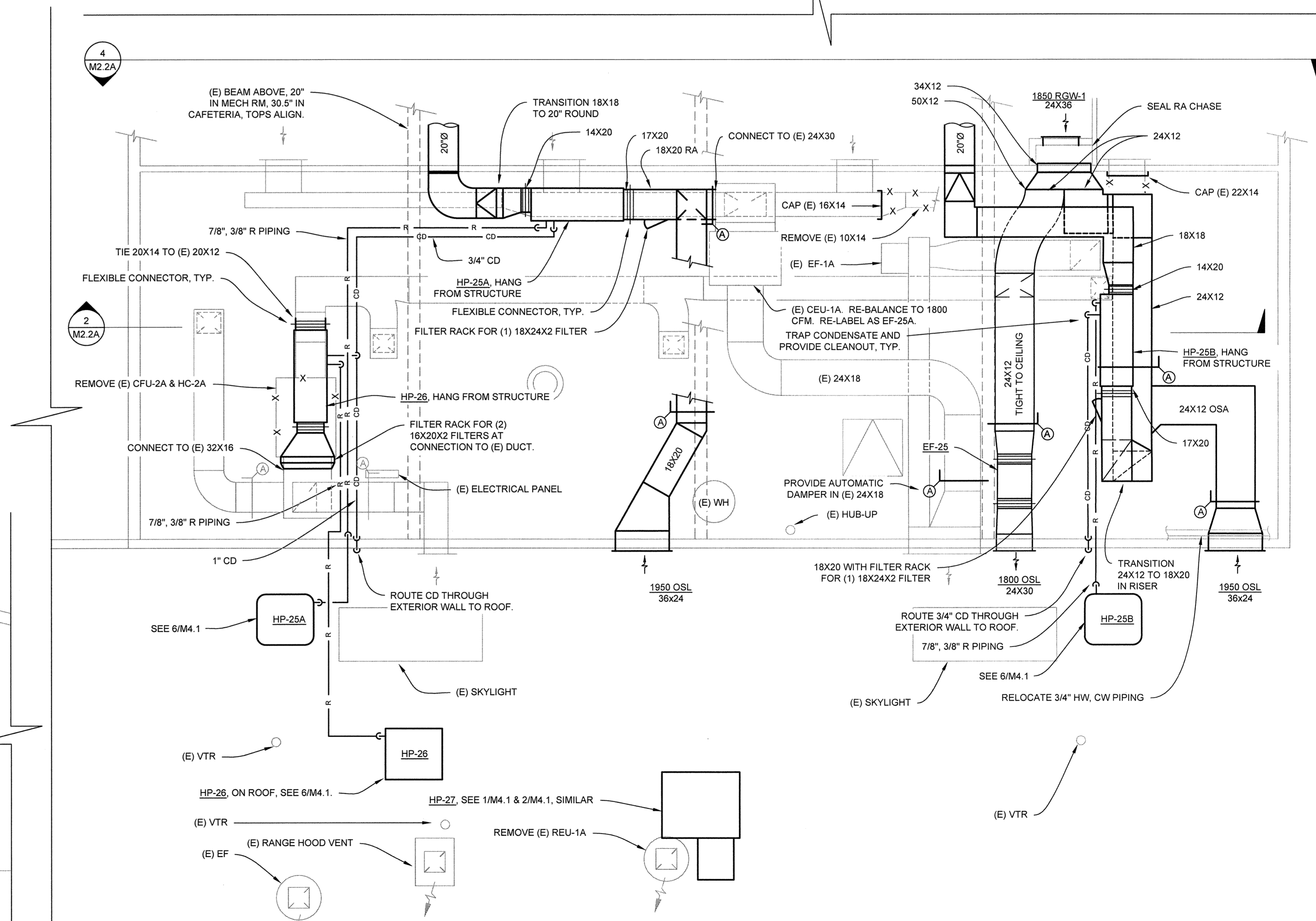
| MECHANICAL EQUIPMENT SCHEDULE - SPENCER BUTTE MIDDLE SCHOOL | | | | | | | | | | | | | | | | |
|---|--------|-------------|-----------|--------------|-----------------------------|-------------------|------|------|------|---------------------|------------------------|-------------|--------------------|--------------|-------------------|---------------|
| UNIT | NOTE | AREA SERVED | TONS CLG | EQUIP TYPE | MANUFACTURER/ MODEL | SEER/ HSPF | CFM | ESP | HP | VOLT/ PHASE | COOLING SENSIBLE TOTAL | HEATING MBH | HEAT KW STAGES 1/2 | OSA VENT CFM | AMPS | WEIGHT (LBS) |
| ALT #2A | HP-25 | CAFETERIA | 40 | ROOFTOP | FRANE-WSC120 | 11-2 EER/ 9.6 EHP | 4400 | 0.65 | 3.75 | 208/3Ø | 96.0/127.0 | 60 AT 47F | 20-3/20-3 | 200/ 1900 | 200 | 2404 |
| ALT #2A | HP-25A | CAFETERIA | 5 | SPLIT SYSTEM | TRANE 4TWR5061 GAMS40C60 | 14/ 8.5 | 1950 | 0.45 | 1 | 208/1Ø | 46.3/57 | 54.5 AT 47F | 7.2/7.2/3.6 | 100/650 | 36 OD 53/43/22 ID | 395 OD 170 ID |
| ALT #2A | HP-25B | CAFETERIA | 5 | SPLIT SYSTEM | TRANE 4TWR5061 GAMS40C60 | 14/ 8.5 | 1950 | 0.45 | 1 | 208/1Ø | 46.3/57 | 54.5 AT 47F | 7.2/7.2/3.6 | 100/650 | 36 OD 53/43/22 ID | 395 OD 170 ID |
| ALT #2A | HP-26 | KITCHEN | 4 | SPLIT SYSTEM | TRANE 4TWA3048A4/ GAMS50C48 | 13.5/8.2 | 1500 | 0.4 | 3/4 | 208/3Ø OD 208/1Ø ID | 35.7/49.0 | 49 AT 47F | 7.2/7.2/3.6 | 100/ 1500 | 21 OD 51/43/22 ID | 341 OD 166 ID |
| ALT #2A | EF-25A | 7 | CAFETERIA | ECON RELIEF | EXISTING CEU-1A | -- | 1800 | 0.25 | 3/4 | 208/1Ø | -- | -- | -- | -- | -- | -- |
| ALT #2A | EF-25 | -- | CAFETERIA | ECON RELIEF | GREENHECK SQ-140-VG | -- | 1950 | 0.35 | 3/4 | 120/1 | -- | -- | -- | -- | 10.6 | 130 |

NOTES:
7. EXISTING EXHAUST FAN CEU-1A. RE-TAG AS EF-25A. REPLACE EXISTING 208 VOLT/THREE PHASE MOTOR WITH 208 VOLT/SINGLE PHASE EC MOTOR.

3 NOT USED
1/4" = 1'-0"



4 CAFETERIA ELEVATION
1/4" = 1'-0"



1 KITCHEN MECHANICAL MEZZANINE
1/4" = 1'-0"

NOTES:
1. REFER TO SUMMARY OF WORK FOR DESCRIPTION OF BASE BID AND ALTERNATE WORK.

ENERGY EFFICIENCY UPGRADE
SPENCER BUTTE MIDDLE SCHOOL
500 EAST 43RD AVENUE
EUGENE, OR 97405
C.I.P. #420518032

HVAC ENLARGED PLANS & DETAILS

JOB#: --

DRAWN BY: CM

DATE: --

ISSUE DATE: 04-30-2014

SCALE: AS NOTED

