GMA ARCHITECTS

ADDENDUM NUMBER ONE

PROJECT: Gilham Elementary School Renovation and Expansion Phase 01

TO: Plan Holders and Plan Centers

FROM: GMA Architects
860 West Park Street Suite 300
Eugene, OR 97401

SUBJECT: Changes, Revisions, Clarifications, and Additions

DATE: 26 February 2016

The following deletions and additions are
hereby made a part of Bidding and Contract Documents, effective this date.

ANNOUNCEMENTS

Item

1. An additional non-mandatory pre-bid conference has been scheduled for Tuesday, March 01, 2016 at 3:00 PM. The location of the conference will be the Gilham Elementary School Main Entry Plaza, 3307 Honeywood Street, Eugene, OR. Statements made by the District's Representatives at the conference are not binding upon the District unless confirmed by Written Addendum.

PROJECT MANUAL

Item

1. Reference BID FORM, Section 00 41 13:

   Delete: Section in entirety.
   Add: BID FORM, Section 00 41 13, attached.

2. Reference TABLE OF CONTENTS, Section 00 01 10:

   Delete: Section in entirety.
   Add: TABLE OF CONTENTS, Section 00 01 10, attached.

3. Reference SUMMARY OF WORK, Section 01 11 00:

   Delete: Section in entirety.
   Add: SUMMARY OF WORK, Section 01 11 00, attached.

4. Reference ARCHITECTURAL WOOD CASEWORK, Section 06 41 00:

   Delete: Section in entirety.
   Add: ARCHITECTURAL WOOD CASEWORK, Section 06 41 00, attached.

5. Reference ROOF ACCESSORIES, Section 07 72 00, 1.8 Warranty, B:

   Delete: "five year period"
   Add: "one year period"

6. Reference JOINT SEALANTS, Section 07 92 00, 1.6 Warranty, B:

   Delete: "five year period"
   Add: "one year period"

7. Reference CARPETING, Section 09 68 00, 2.1 Manufacturers:

   Delete: A. Carpet: Broadloom.
   Add: A. Carpet: Broadloom (CPT-1)

   Delete: A, 1, c. Color: Blue Velvet.
   Add: A, 1, c. Color: Spectrum Custom Color #1007622-001 (District Standard).

   Add: C. Carpet: Tiles (CPT-2)
   1. Tandus Flooring, www.tandus.com.
      a. Product: Antron Legacy Nylon, 18 oz/sy face weight Ethos Backing 24" x 24" square.
      b. Style: Runway II.
      c. Color: Spectrum Custom Color #1007622-001 (District Standard).

8. Reference VISUAL DISPLAY FABRICS, Section 10 11 46, 1.7 Warranty, A:

   Delete: "5 years"
   Add: "one year"

9. Reference VISUAL DISPLAY FABRICS, Section 10 11 46, 2.1 Tackable Wall Surface Manufacturer, A:

   Add: TWP-1

10. Reference ELECTRONIC MESSAGE SIGNAGE, Section 10 14 63:

    1.3 Submittals

    Add: D. Delegated Design: Provide complete, operational, fully integrated Sign in compliance with Drawings, Specifications, and authorities having jurisdiction.
       a. Contractor is responsible for design and complete installation of Sign as described in Drawings and Specifications. Provide structural engineering and permitting services as required.
       b. Sign permit fees are to be paid by Contractor.

    2.1 Manufacturers, 3.b.

    Delete: 11'-6" Overall Height.
    Add: Separate dissimilar metals to prevent galvanic action.

11. Reference COMMON WORK RESULTS FOR FIRE SUPPRESSION, Section 21 05 00, 1.06 Warranty, B:

    Delete: "five year period"
    Add: "one year period"

12. Reference LIGHTING CONTROL EQUIPMENT, Section 26 09 23, 3.02 Warranty, A:

    Delete: "5 year warranty"
    Add: "five year manufacturer's warranty"

13. Reference INDOOR LIGHTING FIXTURES, LAMPS, AND BALLASTS, Section 26 51 13:

    2.02 Ballasts, A, 13

    Delete: "5 year warranty"
    Add: "five year manufacturer's warranty"

    2.02 Ballasts, B, 13

    Delete: "5 year warranty"
    Add: "five year manufacturer's warranty"

14. Reference COMMON WORK RESULTS FOR COMMUNICATIONS, Section 27 05 00:

    Delete: Paragraph 2.02 in its entirety. (Network cabling by Owner.)

DRAWINGS

Item

1. Reference Sheet C6.10:

SHEET NOTES

Add:

11. PROVIDE (N) 4"-DIAM. STORM DRAIN CONNECTIONS TO PERF FOUNDATION DRAIN AS FOLLOWS:

BASE BID:

NEW WEST INFILL BUILDING BETWEEN BUILDINGS E, F, AND C: PROVIDE BACKWATER VALVES AND FOUNDATION DRAIN CONNECTIONS AT NORTH, SOUTH, AND WEST SIDES OF NEW STRUCTURE TO CLOSEST SITE STORM DRAIN PIPE.

NEW MAIN ENTRY ADDITION: PROVIDE BACKWATER VALVE AND FOUNDATION DRAIN CONNECTION AT EAST SIDE OF NEW STRUCTURE TO CLOSEST SITE STORM DRAIN PIPE.

ALTERNATE 1: COMMUNITY ROOM, SMALL GROUP LEARNING, AND OFFICE

PROVIDE BACKWATER VALVE AND FOUNDATION DRAIN CONNECTION AT EAST SIDE OF NEW STRUCTURE TO CLOSEST SITE STORM DRAIN PIPE.

ALTERNATE 2: SINGLE-USER RESTROOMS

PROVIDE BACKWATER VALVE AND FOUNDATION DRAIN CONNECTION AT EACH NEW STRUCTURE TO CLOSEST SITE STORM DRAIN PIPE OR EXISTING FOUNDATION DRAIN SYSTEM.

ALTERNATE 3: FLEX ROOMS

PROVIDE BACKWATER VALVE AND FOUNDATION DRAIN CONNECTION AT EACH NEW STRUCTURE TO CLOSEST SITE STORM DRAIN PIPE OR EXISTING FOUNDATION DRAIN SYSTEM.

2. Reference Sheet AD2.11:

DRAWING 1

Add: At Room B123, Northeast corner: KEYNOTE (37) "DEMOLISH ROOF'G ASSY & SHEATHING AS REQ'D FOR (N) WORK, SEE STRUCTURAL"

3. Reference Sheet AD2.13:

DRAWING 4

Delete: KEYNOTE 23
Add: KEYNOTE 24 (same location)

4. Reference Sheet A2.12:

DRAWING 1

Delete: In-swinging pair DOOR C128-2.
Add: Out-swinging pair DOOR C128-2.

5. Reference Sheet A2.31:

Add: Add Detail Reference near Grid Line R2.1. See 1/ADD-1.1, attached.

Delete: KEYNOTE 5 "(E) DOWNSPOUT"
Add: KEYNOTE 5 "(N) PREFIN SM GUTTER W/ DOWNSPOUT TO PAVING BELOW"

6. Reference Sheet A2.32:

Delete: Sheet A2.32, in entirety.
Add: Revised Sheet A2.32, attached. Revisions are clouded.

7. Reference Sheet A4.11:

Delete: Sheet A4.11, in entirety.
Add: Revised Sheet A4.11, attached. Revisions are clouded.

8. Reference Sheet A6.10:

INTERIOR ELEVATION LEGEND

Delete: TACKBOARD WALL PANEL, 7'-2" AFF TYP. UON TWP-1
Add: TACKABLE WALL PANEL, 6'-10" HIGH TYP, UON TWP-1

GENERAL ELEVATIONS NOTES

Add: F. PROVIDE TYPICAL FULL HT TACKABLE WALL PANEL TWP-1 BEHIND MARKERBOARDS & SMARTBOARDS WERE SHOWN TO OCCUR BELOW BOARD, UON

Delete: Drawing 8.
Add: Revised Drawing 8/ADD-1.2, attached. Revisions are clouded.

9. Reference Sheet A6.11:

Delete: Drawing 15.
Add: Revised Drawing 15/ADD-1.2, attached. Revisions are clouded.

10. Reference Sheet A6.12:

Delete: Drawing 7.
Add: Revised Drawing 7/ADD-1.2, attached. Revisions are clouded.

11. Reference Sheet A6.14:

DRAWING 2, 3, 5, 6, 8

Delete: Seat Cover Dispenser (OFCI) and Sanitary Napkin Disposal (OFCI) where occurs.

DRAWING 11

Delete: Tackable Wall Panel near opening W16.

Delete: (R) SMARTBOARD
Add: (N) SMARTBOARD (OFCI)

DRAWING 12

Delete: 5' x 12' MARKERBOARD
Add: (E) MARKERBOARD TO REMAIN

12. Reference Sheet A6.15:

DRAWING 8

Add: Sanitary Napkin Disposal Receptacle (OFCI).

DRAWING 9

Delete: Hand Dryer.
Add: Paper Towel Dispenser (OFCI).

Add: Seat Cover Dispenser (OFCI).

DRAWING 12

Delete: Hand Dryer.
Add: Paper Towel Dispenser (OFCI).

Add: Seat Cover Dispenser (OFCI).

DRAWING 13

Add: Sanitary Napkin Disposal (OFCI).

13. Reference Sheet A8.01:

Add: Drawing R3/ADD-1.3, attached. Revisions are clouded.

Add: Drawing R4/ADD-1.3, attached. Revisions are clouded.

EXTERIOR WALL TYPE BB

Delete: R-20.
Add: R-21.

EXTERIOR WALL TYPE CC

Delete: 5/8" TYPE 'X' GWB
Add: 1x4 NOM. WOOD SIDING TO MATCH (E)

Delete: 4 5/8".

Add: VARIES.

EXTERIOR WALL TYPE DD

Delete: 5 1/8".
Add: VARIES.

DRAWING R2

Delete: Drawing R2.
Add: Revised Drawing R2/ADD-1.3, attached. Revisions are clouded.

14. Reference Sheet A8.20:

Delete: Drawing 5.
Add: Revised Drawing 5/ADD-1.4, attached. Revisions are clouded.

15. Reference Sheet A8.21:

Delete: Drawing 7.

16. Reference Sheet A8.22:

Delete: Drawing 1.
Add: Revised Drawing 1/ADD-1.5, attached. Revisions are clouded.

17. Reference Sheet A8.31:

Delete: Drawing 10 and 11.
Add: Revised Drawing 10/ADD-1.6 and 11/ADD-1.6, attached. Revisions are clouded.

18. Reference Sheet A8.32

Delete: Drawing 7.
Add: Revised Drawing 7/ADD-1.7, attached, attached. Revisions are clouded.

19. Reference Sheet A8.40:

Delete: Drawing 4, 8, 11, 14, and 15.
Add: Revised Drawing 4/ADD-1.8, 8/ADD-1.8, 11/ADD-1.8, 14/ADD-1.9, and 15/ADD-1.9, attached. Revisions are clouded.

20. Reference Sheet A8.41:

Delete: Drawing 3.
Add: Revised Drawing 3/ADD-1.10, attached. Revisions are clouded.

21. Reference Sheet A8.42:

Add: Sheet A8.42, in entirety.

22. Reference Sheet A8.50:

Delete: Drawing 4.
Add: Revised Drawing 4/ADD-1.11, attached. Revisions are clouded.

23. Reference Sheet A8.51:

Delete: Drawing 1, 2, 3 and 6.
Add: Revised Drawing 1/ADD-1.12, 2/ADD-1.12, 3/ADD-1.12 and 6/ADD-1.12, attached. Revisions are clouded.

Add: Drawing 13/ADD-1.12, attached.

24. Reference Sheet A9.12

ROOM FINISH SCHEDULE

Room Numbers B105A, B114A, B128, B129, B130, C102, C102A, C115, C116, C117, C127, and C128, Floor:

Delete: CPT.
Add: CPT-2.

ROOM FINISH SCHEDULE CLASSROOMS

Room Numbers D101, D102, D103, D104, E101, E102, E103, E104, F101, F102, F103, and F104, Floor:

Delete: CPT.
Add: CPT-1.

ROOM FINISH SCHEDULE LEGEND

Delete: CPT CARPET.
Add: CPT-1 CARPET – BROADLOOM.
CPT-2 CARPET – TILE.

25. Reference Sheet FP101

Delete: Sheet FP101, in entirety.
Add: Revised Sheet FP101, attached. Revisions are clouded.

26. Reference Sheet P101
Delete: Keynote 1 shown in new Tech Office (just right of callout 9/P102).

27. Reference Sheet P102

Delete: Sheet P102, in entirety.
Add: Revised Sheet P102, attached. Revisions are clouded.

28. Reference Sheet P104

Delete: Sheet P104, in entirety.
Add: Revised Sheet P104, attached. Revisions are clouded.

29. Reference Sheet M001

Delete: Sheet M001, in entirety.
Add: Revised Sheet M001, attached. Revisions are clouded.

30. Reference Sheet M104

Drawing 13

Delete: General Office C115, three diffusers identified as "SD1 10".
Add: General Office C115, three diffusers Price model SCD, 12/12 neck.
Drawing 15

Delete: Community Rm 128, four diffusers identified as "SD1 12/12".
Add: Community Rm 128, four diffusers Price model SCD, 12/12 neck.

31. Reference Sheet M105
Drawings 13 & 14

Delete: Two diffusers identified as "SD1 8/8".

Add: Two Diffusers Price model SCD, 8/8 neck.

32. Reference Sheet M501

Delete: Sheet M501, in entirety.
Add: Revised Sheet M501, attached. Revisions are clouded.

33. Sheet E1.00

Site Plan

Delete: (1) type F fixture on West walkway and rearrange the remaining fixtures per Arch.

Delete: (2) type F fixtures nearest to the existing pole to be relocated.

34. Sheet E1.01

Demolition Plan

Add: Remove surface raceway and devices in the Pod Classrooms, refer to sheet E1.15 for concealed installation in walls. Remove surface wireway associated with exit lights to be removed and data equipment to be relocated.

Delete: Reference note 5 from the core area of the North Pod, refer to sheet E1.15 for revised lighting.

35. Sheet E1.12

Community Lighting Plan

Add: Provide (2) additional type S2 fixtures in the entry. Connect to the type S2 fixture shown.

36. Sheet E1.13

Community Power & Signal Plan

Add: Provide a Projector and a Presenter box at the short throw projector location shown in Conference 117.

37. Sheet E1.14

Learning Plan

Add: Provide (2) data outlets on the counter in Room C122.

CLARIFICATIONS

Item

1. Reference Sheet G1.11 LEGEND: FEC locations include fire extinguishers. Provide new type 2A10BC fire extinguisher at new FEC locations noted on Drawings.

PRODUCT APPROVALS

Add the following to the list of acceptable manufacturers and products as noted:

1. Reference Section 22 10 06 – Plumbing Piping Specialties: Add Acorn Controls as approved manufacturer at the following locations:
    a. Paragraph 2.07.A.1
    b. Paragraph 2.07.B.1
    c. Paragraph 2.07.C.2
    d. Paragraph 2.07.C.3
    e. Paragraph 2.07.C.4
    f. Paragraph 2.07.D.1
    g. Paragraph 2.07.E.1
2. Reference Section 23 05 93 – Testing, Adjusting, and Balancing for HVAC: Add Pacific Coast Air Balancing as pre-qualified TAB Agency at 3.01.F.
3. Reference Section 23 34 23 – Power Ventilators: Add Twin City as approved manufacturer at 2.02.
4. Reference Section 23 36 00 – Air Terminal Units: Add Nailor Industries as approved manufacturer at 2.01.B.
5. Reference Section 23 37 00 – Air Outlets and Inlets: Add Nailor Industries as approved manufacturer at 2.01.A.
6. Reference Section 23 37 00 – Air Outlets and Inlets: Add Nailor Industries as approved manufacturer at 2.02.
7. Reference Section 23 82 00 – Convection Heating and Cooling Units: Add Thermal Corporation as approved manufacturer at 2.02.

ATTACHMENTS: Sections 00 01 10, 00 41 13, 01 11 00, and 06 41 00; Drawings ADD-1.1, A2.32, A4.11, ADD-1.2, ADD-1.3, ADD-1.4, ADD-1.5, ADD-1.6, ADD-1.7, ADD-1.8, ADD-1.9, ADD-1.10, A8.42, ADD-1.11, ADD-1.12, FP101, M001, M501, P102, P104, Mandatory Pre-Bid Sign-in Sheets (3)

END OF ADDENDUM ONE

DOCUMENT 00 01 10
PROJECT MANUAL TABLE OF CONTENTS
GILHAM ES RENOVATION & EXPANSION PHASE 01
CIP #410.193.003
11 February 2016
"EXHIBIT A"

The following is a list of Divisions, Sections, and Drawings which are included in the Project Manual:

INTRODUCTORY PAGES

	Cover Page
00 01 01	Title Page
00 01 10	Table of Contents

DIVISION 00 - BIDDING AND CONTRACTING REQUIREMENTS

00 11 13	Invitation to Bid
00 21 13	Instructions to Bidders, AIA Document A701
00 22 13	Supplementary Instructions to Bidders
00 31 32	Geotechnical Data
00 41 13	Bid Form
00 45 22	First Tier Subcontractor Disclosure Form
00 52 13	Form of Agreement
00 72 13	General Conditions, AIA Document A201
00 73 00	Supplementary Conditions
00 73 43	Prevailing Wage Rates

DIVISION 01 - GENERAL REQUIREMENTS

01 11 00	Summary of Work
01 23 00	Alternates
01 25 00	Contract Modification Procedures (CR/PO Form)
01 29 00	Payment Procedures
01 31 00	Project Management and Coordination
01 32 00	Construction Progress Documentation
01 33 00	Submittal Procedures
01 40 00	Quality Requirements
01 50 00	Temporary Facilities and Controls
01 60 00	Product Requirements (Substitution Request Form)
01 73 00	Execution Requirements
01 73 29	Cutting and Patching
01 77 00	Closeout Procedures
01 78 23	Operation and Maintenance Data
01 78 39	Project Record Documents

DIVISION 02 - EXISTING CONDITIONS

02 41 00	Demolition

DIVISION 03 - CONCRETE

03 10 00	Concrete Forming and Accessories
03 20 00	Concrete Reinforcing
03 30 00	Cast-In-Place Concrete
03 35 43	Polished Concrete Finishing

03 45 00 Precast Architectural Concrete
03 54 00 Cast Underlayment

DIVISION 04 - MASONRY

04 05 11 Masonry Mortaring and Grouting
04 20 00 Unit Masonry

DIVISION 05 - METALS

05 05 23 Welding
05 12 00 Structural Steel Framing

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

06 05 75 Preservative Wood Treatment
06 10 00 Rough Carpentry
06 15 00 Wood Decking
06 16 43 Gypsum Sheathing
06 17 33 Wood I-Joists
06 20 00 Finish Carpentry
06 41 00 Architectural Wood Casework
06 82 00 Glass Fiber Reinforced Plastic

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 19 00 Water Repellents
07 21 00 Thermal Insulation
07 25 00 Weather Barriers
07 26 16 Below-Grade Vapor Barriers
07 41 13 Metal Roof Panels
07 42 13 Metal Wall Panels
07 51 13 Built Up Roofing and Roof Insulation
07 54 00 Single-Ply Membrane Roofing
07 62 00 Sheet Metal Flashing and Trim
07 72 00 Roof Accessories
07 84 00 Firestopping
07 92 00 Joint Sealants
07 95 13 Expansion Joint Cover Assemblies

DIVISION 08 - OPENINGS

08 11 13 Hollow Metal Doors and Frames
08 14 16 Flush Wood Doors
08 31 00 Access Doors and Panels
08 43 13 Aluminum-Framed Storefronts
08 71 00 Door Hardware
08 73 01 Hardware Types
08 80 00 Glazing

DIVISION 09 - FINISHES

09 21 16 Gypsum Board Assemblies
09 22 16 Non-Structural Metal Framing
09 22 26 Suspension Systems
09 30 00 Tiling
09 51 00 Acoustical Ceilings
09 65 00 Resilient Flooring and Base
09 68 00 Carpeting
09 84 13 Acoustical Wall Panels
09 90 00 Painting and Coating
Painting and Coating Schedule

DIVISION 10 - SPECIALTIES

10 11 01 Visual Display Boards
10 11 46 Visual Display Fabrics
10 14 00 Signage
10 14 63 Electronic Message Signage
10 21 13.19 Plastic Toilet Compartments
10 26 01 Wall and Corner Guards
10 28 00 Toilet, Bath, and Laundry Accessories
10 44 00 Fire Protection Specialties
10 51 00 Metal Lockers

DIVISION 11 - EQUIPMENT

11 31 00 Residential Appliances

DIVISION 12 - FURNISHINGS

12 21 13 Metal Horizontal Louver Blinds
12 93 00 Site Furnishings

DIVISION 21 - FIRE SUPPRESSION

21 05 00 Common Work Results for Fire Suppression
21 05 48 Vibration and Seismic Controls for Fire Suppression Piping
21 05 53 Identification for Fire Suppression Piping and Equipment
21 13 00 Fire-Suppression Sprinklers

DIVISION 22 - PLUMBING

22 05 19 Meters and Gages for Plumbing Piping
22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment
22 05 53 Identification for Plumbing Piping and Equipment
22 07 19 Plumbing Piping Insulation
22 10 05 Plumbing Piping

22 10 06 Plumbing Piping Specialties
22 25 00 Plumbing Water Treatment
22 30 00 Plumbing Equipment
22 40 00 Plumbing Fixtures

DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

23 05 13 Common Motor Requirements for HVAC Equipment
23 05 19 Meters and Gages for HVAC Piping
23 05 49 Vibration and Seismic Controls for HVAC
23 05 53 Identification for HVAC Piping and Equipment
23 05 93 Testing, Adjusting, and Balancing for HVAC
23 07 13 Duct Insulation
23 07 19 HVAC Piping Insulation
23 09 00 Controls
23 21 13 Hydronic Piping
23 21 14 Hydronic Specialties
23 25 00 HVAC Water Treatment
23 31 00 HVAC Ducts and Casings
23 33 00 Air Duct Accessories
23 34 23 Power Ventilators
23 36 00 Air Terminal Units
23 37 00 Air Outlets and Inlets
23 40 00 HVAC Air Cleaning Devices
23 81 27 Small Split-System Heating and Cooling
23 82 00 Convection Heating and Cooling Units

DIVISION 26 - ELECTRICAL

26 01 26 Submittals and Shop Drawings
26 05 00 Common Work Results for Electrical
26 05 01 Electrical Demolition
26 05 19 Low-Voltage Electrical Power and Cables
26 05 26 Grounding and Bonding for Electrical Systems
26 05 29 Hangers and Supports for Electrical Systems
26 05 33 Raceways and Boxes for Electrical Systems
26 05 53 Identification for Electrical Systems
26 09 23 Lighting Control Equipment
26 24 16 Panelboards
26 27 26 Wiring Devices
26 28 16 Overcurrent Protection Devices
26 29 13 Motor and Circuit Disconnects
26 51 13 Indoor Lighting Fixtures, Lamps and Ballasts

DIVISION 27 - COMMUNICATIONS

27 05 00 Common Work Results for Communications
27 05 29 Hangers and Supports for Communications Systems
27 05 33 Raceways and Boxes for Communications Systems

27 51 13 Intercommunication (Intercom) System
27 53 13 Clock Systems

DIVISION 28 - ELECTRICAL SAFETY AND SECURITY

28 10 00 Access Control and Intrusion Detection Systems
28 31 00 Fire Alarm Systems

DIVISION 31 - EARTHWORK

31 00 00 Earthwork

DIVISION 32 - EXTERIOR IMPROVEMENTS

32 12 16 Asphaltic Concrete Paving
32 16 13 Concrete Walks, Curbs, Gutters And Pavements
32 16 14 Extruded Concrete Curbs
32 31 13 Chain Link Fencing
32 84 00 Planting Irrigation
32 93 00 Landscaping

DIVISION 33 - UTILITIES

33 11 00 Water Distribution
33 30 00 Sanitary Sewerage
33 39 13 Manholes
33 40 00 Storm Drainage

DRAWINGS

G1.01 COVER SHEET
G1.02 SYMBOLS & ABBREVIATIONS
G1.10 SITE PLAN – OVERALL CONTEXT
G1.11 FIRE LIFE SAFETY / CODE ANALYSIS
G1.12 CODE ANALYSIS
G1.20 ACCESS & ALTERNATES PLAN
G2.10 SURVEY

C1.00 CIVIL GENERAL NOTES & LEGEND
C1.10 CIVIL DETAILS
C1.20 CIVIL DETAILS
C1.30 CIVIL DETAILS
C2.00 SITE DEMOITION PLAN – NORTHWEST
C2.10 SITE DEMOITION PLAN – SOUTHWEST
C3.00 CONSTRUCTION SITE MANAGEMENT PLAN
C3.10 CONSTRUCTION SITE MANAGEMENT NOTES & DETAILS
C4.00 HORIZONTAL CONTROL & SITE PLAN – NORTHWEST
C4.10 HORIZONTAL CONTROL & SITE PLAN – SOUTHWEST

C4.20 HORIZONTAL CONTROL & SITE PLAN – EAST
C5.00 GRADING PLAN – NORTHWEST
C5.10 GRADING PLAN – SOUTHWEST
C6.00 SITE UTILITY PLAN – NORTHWEST
C6.10 SITE UTILITY PLAN – SOUTHWEST
C6.20 SITE UTILITY PLAN – EAST
C6.30 STORMWATER MANAGEMENT PLAN
C7.00 PAVING PLAN – NORTHWEST
C7.10 PAVING PLAN – SOUTHWEST

L1.00 LANDSCAPE PLAN
L2.00 LANDSCAPE AND IRRIGATION DETAILS
L3.00 IRRIGATION PLAN

AD1.10 DEMOLITION – SITE PLAN
AD1.20 DEMOLITION – COMPOSITE LEVEL 1 PLAN
AD2.11 DEMOLITION – NW
AD2.12 DEMOLITION – SW
AD2.13 DEMOLITION – SE
A1.10 ARCHITECTURAL SITE PLAN
A1.20 COMPOSITE LEVEL 1
A2.11 LEVEL 1 FLOOR PLAN – NW
A2.12 LEVEL 1 FLOOR PLAN – SW
A2.13 LEVEL 1 FLOOR PLAN – SE
A2.20 REFLECTED CEILING PLANS (SELECT AREAS)
A2.21 REFLECTED CEILING PLAN – NW
A2.22 REFLECTED CEILING PLAN – SW
A2.23 REFLECTED CEILING PLAN – SE
A2.30 COMPOSITE ROOF PLAN
A2.31 ROOF PLAN – NW
A2.32 ROOF PLAN – SW
A2.33 ROOF PLAN – SE
A3.11 EXTERIOR ELEVATIONS
A3.12 EXTERIOR ELEVATIONS
A3.13 EXTERIOR ELEVATIONS
A3.21 BUILDING SECTIONS
A4.11 WALL SECTIONS
A5.13 ENLARGED PLANS
A5.15 ENLARGED PLANS
A6.10 INTERIOR ELEVATIONS – NW
A6.11 INTERIOR ELEVATIONS – NW
A6.12 INTERIOR ELEVATIONS – SW
A6.13 INTERIOR ELEVATIONS – SW
A6.14 INTERIOR ELEVATIONS – SW
A6.15 INTERIOR ELEVATIONS – SE
A6.16 INTERIOR ELEVATIONS – CLASSROOM / COMMONS
A6.17 INTERIOR ELEVATIONS – RR C125/126
A8.01 EXTERIOR WALL TYPES, FLOOR TYPES & ROOF TYPES
A8.10 EXTERIOR STOREFRONT AND LOUVER SCHEDULE

A8.11 INTERIOR WALL TYPES & INTERIOR OPENING SCHEDULE
A8.20 EXTERIOR DETAILS – SITE
A8.21 EXTERIOR DETAILS – WALLS
A8.22 EXTERIOR DETAILS – WALLS
A8.30 EXTERIOR DETAILS – WINDOWS AND DOORS
A8.31 EXTERIOR DETAILS – WINDOWS AND DOORS
A8.32 EXTERIOR DETAILS – SEISMIC JOINTS
A8.40 ROOF DETAILS
A8.41 ROOF DETAILS
A8.42 ROOF DETAILS
A8.50 INTERIOR DETAILS
A8.51 INTERIOR DETAILS
A9.12 SCHEDULES

S1.01 GENERAL NOTES AND SYMBOLS
S2.11 FOUNDATION PLAN NW
S2.12 FOUNDATION PLAN SW
S2.13 FOUNDATION PLAN SE
S2.31 ROOF FRAMING PLAN NW
S2.32 ROOF FRAMING PLAN SW
S2.33 ROOF FRAMING PLAN SE
S5.10 TYPICAL CONCRETE DETAILS
S5.11 CONCRETE DETAILS
S7.10 STEEL DETAILS
S8.10 TYPICAL WOOD FRAMING DETAILS
S8.11 TYPICAL WOOD FRAMING DETAILS
S8.12 WOOD FRAMING DETAILS
S8.13 WOOD FRAMING DETAILS
S8.14 WOOD FRAMING DETAILS

FP101 FIRE PROTECTION COMPOSITE FLOOR PLAN

P001 PLUMBING SYMBOLS, LEGEND & TABLES
P101 PLUMBING COMPOSITE FLOOR PLAN
P102 PLUMBING PART PLANS WEST (INFILL)
P103 PLUMBING PART PLANS EAST INFILL
P104 PLUMBING PART PLANS NORTH INFILL
P105 PLUMBING DETAILS

M001 MECHANICAL SYMBOLS & ABBREVIATIONS
M101 HVAC ZONING PLAN
M102 HVAC SITE PLAN
M103 HVAC PART PLANS WEST INFILL
MD104 HVAC DEMO PART PLAN NORTH INFILL
M104 HVAC PART PLAN NORTH INFILL
M105 HVAC PART PLANS EAST INFILL
M106 HVAC PARTIAL ROOF PLANS
M501 MECHANICAL DETAILS

M600 HVAC & VENTILATION LOAD SUMMARY, BY ZONE
M601 HVAC EQUIPMENT SCHEDULES
M602 HEATING WATER SYSTEM DIAGRAM (EXISTING)

E0.01 LEGEND – SCHEDULES
E1.00 SITE PLAN – ELECTRICAL
E1.01 OVERALL FIRST FLOOR PLAN – DEMOLITION PLAN
E1.10 OVERALL FIRST FLOOR PLAN – ELECTRICAL
E1.11 DETAIL PLANS – MULTIPURPOSE – ELECTRICAL
E1.12 DETAIL PLANS – COMMUNITY LIGHTING
E1.13 DETAIL PLANS – COMMUNITY PWR & SIG
E1.14 DETAIL PLANS – LEARNING ELECTRICAL
E1.15 TYPICAL CLASSROOM POD – ELECTRICAL
E1.16 DETAIL PLANS – FLEX ELECTRICAL
E6.01 ONE-LINE DIAGRAM
E6.02 DETAILS

END OF DOCUMENT 00 01 10

DOCUMENT 00 41 13
BID FORM

BID FOR: Gilham Elementary School Renovation and Expansion Phase 01 CIP Number 410.193.003

Submitted to: Facilities Management
Eugene School District 4J
715 West Fourth Avenue
Eugene, Oregon 97402

Bid Deadline: 2:00 PM
08 March 2016

Submitted by: _____
(Company Name)

BASE BID
The undersigned proposes to furnish all material, equipment, and labor required for the complete project, and to perform all work in strict accordance with the Contract Documents for the lump sum prices indicated below with completion occurring on or prior to the dates indicated:

Bid: _____ $ _____
(Words) (Figures)

The undersigned agrees, if awarded the Contract, to substantially complete all Base Bid Package C work on or before the dates specified in Section 01 11 00.

ALTERNATE BIDS
The Undersigned proposes to ADD TO the Base Bid indicated above the items of work relating to the following Alternates as described in the Project Manual, Section 01 23 00.

ALTERNATE NO. 1:
NEW COMMUNITY SPACES

Bid: _____ $ _____
(Words) (Figures)
The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 1 work on or before dates specified in Section 01 11 00.

ALTERNATE NO. 2:
RESTROOMS AT BUILDING B

Bid: _____ $ _____
(Words) (Figures)
The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 2 work on or before dates specified in Section 01 11 00.

ALTERNATE NO. 3:
FLEX ROOMS AT BUILDING B

Bid: _____ $ _____
(Words) (Figures)
The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 3 work on or before dates specified in Section 01 11 00.

ALTERNATE NO. 4:
LEARNING CENTER C122 REMODEL

Bid: _____ $ _____
(Words) (Figures)
The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 4 work on or before dates specified in Section 01 11 00.

ALTERNATE NO. 5:
BUILDING D REMODEL

Bid: _____$ _____
(Words) (Figures)
The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 5 work on or before dates specified in Section 01 11 00.

ALTERNATE NO. 6:
SITE WORK

Bid: _____$ _____
(Words) (Figures)
The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 6 work on or before dates specified in Section 01 11 00.

ALTERNATE NO. 7:
READER BOARD

Bid: _____$ _____
(Words) (Figures)
The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 7 work on or before dates specified in Section 01 11 00.

It is understood that the Base Bid may be adjusted for any alternates in determining the amount of the Contract. Any or all of such Alternates may be accepted or reinstated by the Owner at any time within 60 days from the date of the Contract Award by the Owner, at the respective amounts named herein.

BID SECURITY
Accompanying herewith is Bid Security, which is not less than ten percent (10%) of the total amount of the Base Bid plus additive alternates.

STIPULATIONS
The undersigned acknowledges the liquidated damages provision included in the Supplementary Conditions.

The undersigned agrees, if awarded the contract, to comply with the provisions of Oregon Revised Statutes 279C.800 through 279C.870 pertaining to the payment of prevailing rates of wage.

The undersigned agrees, if awarded the Contract, to execute and deliver to the Owner within ten (10) working days after receiving contract forms, a signed Agreement and a satisfactory Performance Bond and Payment Bond each in an amount equal to 100 percent (100%) of the Contract Sum.

For every Agreement of $100,000 or greater in value, all Contractors and Subcontractors shall have a public works bond in the amount of $30,000, filed with the Construction Contractors' Board (CCB), in compliance with ORS 279C.836, before starting work on the project unless exempt. Contractor agrees to provide a copy of the Contractor's BOLI Public Works bond with the signed Agreement as Specified in the Supplementary Conditions.

The undersigned agrees that the Bid Security accompanying this proposal is the measure of liquidated damages which the Owner will sustain by the failure of the undersigned to execute and deliver the above named agreement and bonds; and that if the undersigned defaults in executing that agreement within ten (10) days after forms are provided or providing the bonds, then the Bid Security shall become the property of the Owner; but if this proposal is not accepted within sixty (60) days of the time set for the opening of bids, or if the undersigned executes and delivers said agreement and bonds, the Bid Security shall be returned.

By submitting this Bid, the Bidder certifies that the Bidder:
a) has available the appropriate financial, material, equipment, facility and personnel resources and expertise, or the ability to obtain the resources and expertise, necessary to meet all contractual responsibilities;
b) has a satisfactory record of past performance;
c) has a satisfactory record of integrity, and is not disqualified under ORS 279C.440;
d) is qualified legally to contract with the Owner; and
e) will promptly supply all necessary information in connection with any inquiry the Owner may make concerning the

responsibility of the Bidder.

Prior to award of a Contract, the Bidder shall submit appropriate documentation to allow the Owner to determine whether or not the Bidder is "responsible" according to the above criteria.

The contractor agrees to comply with District's requirements pertaining to unsupervised contact with students, background checks, and photo ID. See Section 01 11 00, Summary of Work.

The contractor agrees with the provisions of Oregon Revised Statutes 279C.505, which requires that the contractor shall demonstrate it has established a drug-testing program for employees and will require each subcontractor providing labor for the Project to do the same.

The undersigned has received addenda numbers _____ to _____ inclusive and has included their provisions in the above Bid amounts.

The undersigned has visited the site to become familiar with conditions under which the Work is to be performed and has correlated the Bidder's personal observations with the requirements of the proposed Contract Documents.

The undersigned certifies that the Bidder is a _____ Bidder under ORS. ("Resident" or "Non-resident", to be filled in by Bidder)

Names of Firm: _____

Street Address: _____
(City) (State) (Zip)

Telephone Number: _____ FAX Number: _____

Email Address: _____

Signed By: _____ Printed Name:_____
(Signature of Authorized Official. If bid is from a partnership, one of the partners must sign bid).

Date Signed: _____

Official Capacity: _____

If corporation, attest: _____ Date: _____
(Secretary of Corporation)

SEAL (If Corporate)

_____ Corporation
_____ Partnership
_____ Individual

Enclosed: Bid Security

NON-DISCRIMINATION REQUIREMENT

Contractor certifies that the Contractor has not discriminated against minorities, women or emerging small business enterprises in obtaining any required subcontracts.

The Contractor agrees not to discriminate against any client, employee, or applicant for employment or for services, because of race, color, religion, sex, national origin, physical or mental handicap, sexual orientation or age, unless based upon bona fide occupational qualifications, and that they are otherwise in compliance with all federal, state and local laws prohibiting discrimination, with regard to, but not limited to, the following: Employment upgrading, demotion or transfer; Recruitment or recruitment advertising; Layoffs or termination; Rates of pay or other forms of compensation; Selection for training; Rendition of services. It is further understood that any vendor who is in violation of this clause shall be barred forthwith from receiving awards of any purchase order from the School District, unless a satisfactory showing is made that discriminatory practices have terminated and that a recurrence of such acts is unlikely.

FIRM NAME: _____

ADDRESS: _____

TELEPHONE: _____

BY: _____
(Company or Firm Officer)

BY: _____
(Type or Print Name)

NON-COLLUSION AFFIDAVIT

STATE OF _____)

County of _____)

I state that I am _____ of _____
(Title) (Name of Firm)
and that I am authorized to make this affidavit on behalf of my firm, and its owners, directors, and officers. I am the person responsible in my firm for the price(s) and the amount of this bid.

I state that:

(1) The price(s) and amount of this bid have been arrived at independently and without consultation, communication or agreement with any other contractor, bidder or potential bidder, except as disclosed on the attached appendix.

(2) That neither the price(s) nor the amount of this bid, and neither the approximate price(s) nor approximate amount of this bid, have been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before bid opening.

(3) No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, or to submit a bid higher than this bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid.

(4) The bid of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or noncompetitive bid.

(5) _____, its affiliates, subsidiaries, officers, directors and
(Name of my Firm)
employees are not currently under investigation by any governmental agency and have not in the last four years been convicted of or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding on any public contract, except as described on the attached appendix.

I state that _____ understands and acknowledges that the above representations
(Name of my Firm)
are material and important, and will be relied on by School District 4J in awarding the contract(s) for which this bid is submitted. I understand and my firm understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from School District 4J of the true facts relating to the submission of bids for this contract.

_____
(Authorized Signature)

Sworn to and subscribed before me this _____ day of _____, 20

_____
(Notary Public for Oregon)

My Commission Expires: _____

END OF BID FORM

SECTION 01 11 00
SUMMARY OF WORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

B. Salvage and waste management.

C. Contractor's use of premises, construction staging area and no smoking requirements.

D. Schedule of work.

1.2 WORK COVERED BY CONTRACT DOCUMENTS

A. Project Identification: Project consists of Phase 01 work including new entry, community spaces, restrooms, flexible small group spaces, multi-purpose classroom, interior renovation, and site work – with alternates as noted per Section 012300 Alternates.

1. Project Location: 3307 Honeywood Street, Eugene, Oregon 97408
2. Owner: Eugene School District 4J, 715 West Fourth Avenue, Eugene, OR 97402.

B. Architect Identification: The Contract Documents, dated 11 February 2016, were prepared for Project by:
GMA Architects
860 West Park Street, Suite 300
Eugene, Oregon 97401
Phone: 541.344.9157
Website: http://www.gma-arch.com

C. Project Manager: Larry Massey has been appointed by Owner to serve as Project Coordinator.

1.3 CONTRACT

A. Project will be constructed under a general construction contract.

1. AIA Document A101-2007, Standard Form of Agreement Between Owner and Contractor where the basis of payment is a stipulated sum.

1.4 WORK SEQUENCE

A. Do not commence Work until after execution of Agreement and receipt of Notice-to-Proceed from Owner.

B. Perform work in order to achieve Substantial Completion by 22 August or 14 October 2016, as clarified under Item 1.4.D below and on Drawings.

C. Achieve Final Completion within seven (7) days following the date of Substantial Completion.

D. Schedule following items into Construction Schedule Section 01 32 16 – Construction Progress Schedules and complete by the following dates:

1. Notice to Proceed: Following School Board Decision 16 March 2016
2. Earliest possible Start date for Construction at Selective areas identified in Drawings: 23 March 2016.
3. Start date for Construction at remaining areas: 23 June 2016
4. Substantial Completion date at Critical-Use areas: 22 August 2016
5. Substantial Completion date at Non-Critical-Use areas: 14 October 2016

E. Refer to Drawings for identification of Critical and Non-Critical-Use Areas.

1.5 USE OF PREMISES

A. Work Area Access: Building areas adjoining work areas may be occupied during work. Access to the work area will be available on a week-day basis from approximately 7:00 am to 4:00 pm. Coordinate all other work hour schedules with Owner so as not to interfere with Owner's use of the building.

B. Limit use of the premises to construction activities in areas indicated; allow for Owner occupancy and use by the public, subject to approval by a District Safety Specialist.

C. Site Access: Maintain drives and building entrances and exits clear and protected at all times to Owner's, employees, and public access and for use by emergency personnel. Do not use these areas for parking or storage. Schedule deliveries to minimize space and time requirements for storage of materials at site.

D. Parking: Contractor may use existing parking areas as indicated on Drawings.

E. Contractor Staging Areas: Limit staging to areas indicated on Drawings.

F. Construction Operations: Limited to areas indicated on Drawings.

1.6 WORK UNDER SEPERATE CONTRACTS

A. Separate Contract: Owner will award a separate contract for performance of certain construction operations at Project site, including Hazardous Materials Removal, Network cabling, HVAC Controls, and selective Floor Covering. Those operations will be conducted simultaneously with work under this Contract and shall be coordinated by Contractor.

B. Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract.

C. OFOI Products:
1. Office Equipment
2. Short Throw Projectors
3. Building Information Digital Monitors and mounts.
4. Telephone system and phones
5. Wireless Controller and access points
6. UPSs-MDF / IDF
7. Router
8. Network Switches, Fiber, Ports
9. Furnishings

1.7 PRODUCTS ORDERED IN ADVANCE

A. General: Owner has negotiated Purchase Orders with suppliers of material and equipment to be incorporated into the Work. Owner has assigned these Purchase Orders to Contractor. Costs for receiving, handling, storage if required, and installation of material and equipment are included in the Contract Sum.

1. Contractor's responsibilities are the same as if Contractor had negotiated Purchase Orders, including responsibility to renegotiate purchase and to execute final Purchase-Order agreements.
2. The Schedule of Products Ordered in Advance is included at the end of this Section.

1.8 OWNER-FURNISHED PRODUCTS (OFCI)

A. Owner will furnish the following: soap dispensers, toilet paper dispensers, paper towel dispensers, sanitary napkin disposal, toilet seat cover dispenser. The Work includes providing support systems to receive Owner's equipment and plumbing, mechanical, and electrical connections.

1. Owner will arrange for and deliver Shop Drawings, Product Data, and Samples to Contractor.
2. Owner will arrange and pay for delivery of Owner-furnished items according to Contractor's Construction Schedule.
3. After delivery, Owner will inspect delivered items for damage. Contractor shall be present for and assist in Owner's inspection.
4. If Owner-furnished items are damaged, defective, or missing, Owner will arrange for replacement.
5. Contractor shall review Shop Drawings, Product Data, and Samples and return them to Architect noting discrepancies or anticipated problems in use of product.
6. Contractor is responsible for receiving, unloading, and handling Owner-furnished items at Project site.
7. Contractor is responsible for protecting Owner-furnished items from damage during storage and handling, including damage from exposure to the elements.
8. If Owner-furnished items are damaged as a result of Contractor's operations, Contractor shall repair to like new condition or replace them.

B. OFCI Products:
1. Soap Dispenser – Gojo 5150
2. Paper Towel Dispenser – Georgia Pacific 59489
3. Toilet Paper Dispenser – Georgia Pacific 56784
4. Sanitary Napkin Disposal – Coastwide NSNDIW
5. Toilet Seat Cover Dispenser – Bobrick B-221

1.9 MISCELLANEOUS PROVISIONS

A. DRUG AND ALCOHOL POLICY
1. The possession, use, or distribution of illicit drugs and alcohol on school premises is prohibited. Prescription medications brought to the project site shall be in the original container bearing the name of the drug, the name of the physician and the prescribed dosage.

B. USE OF TOBACCO PRODUCTS

1. Smoking and the other use of tobacco products is prohibited on all school district property pursuant to OAR 581-021-0110.

C. SAFETY REQUIREMENTS

1. Safety must not be sacrificed for the sake of productivity or expedience. Safety of students, staff, and the public is critical. Take all reasonable precautions to prevent endangerment or injury. Advise and coordinate operations with the school office.
2. All contractors who perform work on District property, and their employees, are expected to know the District's expectations for safe work and to adhere to those expectations.
3. Contractors are to adhere to the regulations of Oregon OSHA for all projects within the School District.

D. GENERAL SAFE WORK PRACTICES

1. Students, public and school staff shall not be put at risk by the activities of contractors or their employees.
2. Safe vehicle operation rules are to be followed at all times. These include positioning vehicles to minimize the necessity of backing and providing a "spotter", someone who will make sure that people do not run into the path of a vehicle when driving on a playground or field that is occupied by students.
3. Tools shall never be left out when an unsecured work area is vacated.
4. Ladders and scaffolding will be taken down when an unsecured work area is vacated.
5. Open holes and other tripping hazards shall be fenced or barricaded when an unsecured work area is vacated.
6. Operations resulting in vapors, emissions or flying objects shall be conducted in such a way as to prevent exposure to any unprotected parties or property.
7. "Secured Work Area" is defined as an area having a perimeter cyclone fence at least 6 feet in height, with gates which close and lock so that no casual entrance is possible by unauthorized adults or children.
8. Contractor to follow all OR-OSHA rules for Confined Spaces, where applicable.

E. COMMUNICATIONS REGARDING UNSAFE PRACTICES

1. Upon perceiving a problem, the District will immediately communicate the concern to the Contractor or Contractor's representative on the work site.
2. If agreement on correction of unsafe conditions cannot be reached, the concerns of the District shall prevail and safety concerns shall be addressed in accordance with the District requirements.

F. ELECTRICAL PANELS - LOCKOUT/TAGOUT

1. Contractor shall implement a Lockout/Tag-out program for his employees who take equipment out of service or place equipment back into service. Contractor shall review the District’s Energy Control Program prior to commencing work. Rules applying to this procedure are Oregon Occupational Safety and Health Code OAR 437, Division 2, Subdivision J, General Environmental Controls Lockout/Tag-out (1919.147), or latest edition.

G. ARC FLASH – ELECTRICAL SAFETY

1. Contractor shall comply with NFPA 70E (Electrical Safety in the Workplace), current edition. Contractor shall comply with Oregon OSHA 1910.137 (Personal Protective Equipment). The Contractor shall review with the School District Project Manager the 'Eugene School District Electrical Safety Program' before any work commences. The

Contractor shall comply with all 'Arc Flash' and 'Electrical Safety' protocols referenced in any and all NFPA, OSHA, OROSHA, NEC, NESC, UL, IBC, IFC and ANSI documents (current editions).

H. POTENTIALLY HAZARDOUS PRODUCTS

1. The District attempts to maintain a safe and healthy environment for students and staff. The Contractor is therefore required to follow District guidelines controlling the use of potentially hazardous products and to use these products in a safe manner. Guidelines include the use of materials (adhesives, coatings, carpeting, etc.) which are known to emit little or no airborne pollutants.
2. MSDS information is required for all potentially hazardous products. The Project Manager and a District Safety Specialist will review these and determine what, if any, mitigation procedures will be required.
3. Contractor is to maintain and post copies of all MSDS information at the project site and adhere to the required controls.
4. Contractor is to ensure that work area by students and teachers is restricted. The District will provide signage appropriate for this purpose. The Contractor is to construct and maintain appropriate barriers. This shall include provision of physical separation barriers between “construction” and “occupied” spaces.
5. Contractor to adopt means of maintaining the construction space in negative air pressure in relation to occupied spaces.
6. Where there is a new or existing ventilation system in an affected space, the system shall be adjusted to provide the maximum amount of outside air possible with the system.
7. Efforts shall be made to install and operate new ventilation systems as soon in the construction process as practical.

I. ASBESTOS CONTAINING MATERIALS WARNING

1. Asbestos containing materials are known to exist in areas of the Work. The Contractor shall not, in any way, disturb materials which are known to contain asbestos, assumed to contain asbestos, or otherwise have not been tested and confirmed to be asbestos free.
2. Where access to concealed spaces is required, or it is necessary to disturb building materials such as for drilling of holes, cutting, etc., notify the Owner so that proper investigation and/or removal procedures are followed.
3. Prior to commencing Work, the Contractor shall meet with the District Safety Specialist and review the Owner’s Asbestos Management Plan for the locations of asbestos-containing materials and/or materials assumed to contain asbestos. After reviewing the Owner’s Asbestos Management Plan, the Contractor is required to sign Form 01 11 00A, Asbestos-containing Materials Notification Statement, provided at the end of this Section.
4. Contractor must not install any asbestos-containing materials when performing the Work of this project. At the completion of the Work, Contractor will be required to furnish a statement stating that no asbestos-containing materials were installed during the course of the Work. Refer to Sample Form 01 11 00B at the end of this Section.

J. FULL TIME SUPERINTENDENT DISCLOSURE STATEMENT

1. Prior to or in conjunction with the Preconstruction Conference, the Contractor shall submit the disclosure statement which identifies the Full Time Superintendent for this Project. The form for this statement, Form 01 11 00C, is provided at the end of this Section.

K. UNSUPERVISED CONTACT WITH STUDENTS.

1. As required by ORS 326.603, Contractor shall ensure that Contractor, its officers, employees, agents and any subcontractors will have no unsupervised contact with students while on District property. "Unsupervised contact" with students is defined as contact that provides the person opportunity and probability for personal communication or touch with students when not under direct District supervision. Contractor shall work with District to ensure compliance with this requirement. If Contractor is unable to ensure through a security plan that none of its officers, employees, or agents or those of its subcontractors will have unsupervised contact with students, then Contractor shall notify District to obtain information about Contractor and its history and to conduct a criminal background check, including fingerprinting, of any Contractor officers, employees, or agents who may have unsupervised contact with students. Contractor shall cause its employees and/or subcontractors, if any, to authorize District to conduct these background checks. Contractor shall pay all costs for labor and fees assessed for obtaining and processing the background check(s).

L. BACKGROUND CHECKS

1. The procedure for the background checks is as follows:

   Log onto the 4J Volunteer Web Page:
   https://www.helpcounterweb.com/welcome/apply.php?district=eugene

   In Section 1 – "Tell us about yourself", fill out the requested information. When doing so, type "Construction Contractor at Gilham" in the box labeled "Skills, Hobbies, Comments, Questions?".

   If employee does not have a driver's license number to enter in the appropriate box, leave the box for the license number empty, but select "Oregon" for the state.

   In part 3 of the form, select "Eugene District Office".

   In part 4 of the form, select "Other".

M. PHOTO IDENTIFICATION

1. Any worker that enters occupied portions of buildings when students are present shall wear District-provided photo ID at all times. The photo ID shall be worn where it is clearly visible.
2. If the Contractor's employee clears the volunteer background check, they can obtain Photo Identification from the District. With the photo ID, the worker may enter the occupied building to work, pending results from the fingerprint-based background check.
3. The procedure to acquire photo identification is as follows:

   Contractor shall make an appointment with the District (541-790-7400), between the hours of 7:30 and 3:00, Monday through Friday.

   The appointment shall be made at least 24 hours in advance of the appointment.

   Contractor's workers to receive the photo ID will present themselves for photos

within 15 minutes of the arranged time for the appointment, at 715 W. 4th, Eugene, OR. (District will attempt to accommodate early/late arrivals, but it may not be possible.) Photo ID will be issued at the time of the appointment. The process takes about 15 minutes. ID shall be returned to the District at the end of the project, as part of the contract closeout requirements.

The District will provide the photo identification at the District's expense, but the cost of the associated labor for the worker's time to acquire the ID from the District shall be at the Contractor's expense.

For information about fees for the background check procedure, contact Ashly Hoffman at Hoffman_A@4J.lane.edu.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

Not Used.

PART 4 - SCHEDULE OF PRODUCTS ORDERED IN ADVANCE

Not Used.

PART 5 - ASBESTOS FORMS

PART 6 - FULL-TIME SUPERINTENDENT DISCLOSURE FORM

Form 01 11 00A

ASBESTOS-CONTAINING MATERIALS NOTIFICATION STATEMENT FOR CONTRACTORS

This form must be completed and signed by the Contractor prior to beginning work in any Eugene School District 4J building.

The presence of known and assumed asbestos containing materials is documented in the AHERA Management Plan for each building. Copies of the AHERA Management Plan are available in the main office of each building and in the Facilities Management Office at 715 West Fourth Avenue, Eugene, Oregon. The District Asbestos Specialist must be informed of the Contractor's activities in each building prior to the start of work so that the Contractor can be informed on how to use the AHERA Management Plan and to determine if any asbestos-containing materials are likely to be impacted by the work of the Contractor.

The Contractor is responsible for notifying all employees and subcontractors of the presence of asbestos in the building. The Contractor shall not disturb known or assumed asbestos-containing materials. If the Contractor discovers suspected asbestos-containing materials that have not been identified, the Contractor must stop any work impacting the suspected materials and notify the District Asbestos Specialist so that the material can be sampled. Any asbestos-containing materials that must be removed to allow the Contractor to complete the Contractor's work will be removed by the District under separate contract. If the Contractor disturbs asbestos-containing materials, the Contractor will be responsible for the cost of the cleanup and decontamination.

_____, Representing _____,
(Print Name of Representative) (Business Name)

I have been notified of the location of the AHERA Management Plan and agree to avoid impacting all known or assumed asbestos-containing materials in the performance of the Work.

_____ _____
Signature of Representative Date

_____ _____
Work Site CIP #

Form 01 11 00B

The Environmental Protection Agency (AHERA) rules require the School District obtain a signed statement from the Site Superintendent that, to the best of his/her knowledge, no asbestos-containing building materials were installed during the Work. Therefore, the following statement must be submitted on the Contractors letterhead prior to Project Closeout.

SAMPLE FORM

(To be submitted on the Contractor's letterhead)

ASBESTOS-CONTAINING MATERIALS STATEMENT

EUGENE SCHOOL DISTRICT 4J

Gilham Elementary School Renovation & Expansion Phase 01

CIP: 410.193.003

We the undersigned, (Name of Company), hereby warrant that to the best of our knowledge all materials furnished for the above referenced project contain 0% asbestos.

_____

(Name of Construction Company)

_____

(Signature and Date)

_____

Printed Name

_____

Job Title

END OF SECTION 01 11 00

Form 01 11 00 C

FULL TIME SUPERINTENDENT DISCLOSURE STATEMENT

Prior to or in conjunction with the Preconstruction Conference, the Contractor shall submit this disclosure statement which identifies the Full Time Superintendent for this Project.

Project Title: Gilham Elementary School Renovation & Expansion Phase 01
Eugene School District 4J
Eugene, Oregon
CIP No. 410.193.003

CONTRACTOR INFORMATION

Company Name: _____

Company Address: _____

City, State, Zip: _____

List below the name, address, telephone, cellular phone FAX numbers and e-mail address (if available) for the full time Superintendent for this Project:

Superintendent's Name: _____

Address: _____
(if different from Contractor's)
_____

Phone: _____ Fax: _____
Cell: _____ e-mail _____

The undersigned acknowledges that this project requires and will provide a full-time superintendent throughout this project.

Signature: _____
Authorized Signature

Printed Name: _____

Title: _____

Signature Notarized by:

Subscribed and sworn before me this _____ day of _____, 20__.

Notary Public: _____
Signature

My commission expires: _____

SECTION 06 41 00

ARCHITECTURAL WOOD CASEWORK

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Specially fabricated cabinet units.
   2. Countertops.
   3. Cabinet hardware.

B. Related Requirements:
   1. Division 22 Plumbing, Division 23 HVAC, and Division 26 Electrical: installation of concealed, semi-concealed, and built-in electrical and mechanical items into casework.

1.2 REFERENCE STANDARDS

A. Reference Standards: Current edition at date of Bid.

B. AWI (QCP) - Quality Certification Program, www.awiqcp.org; current edition at www.awiqcp.org.

C. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014.

D. BHMA A156.9 - American National Standard for Cabinet Hardware; Builders Hardware Manufacturers Association; 2010 (ANSI/BHMA A156.9).

E. NEMA LD 3 - High-Pressure Decorative Laminates; National Electrical Manufacturers Association; 2005.

1.3 DEFINITIONS

A. Terminology for Surface Visibility: As defined in AWS Section 10.

B. Exposed Exterior Surfaces: Defined as all exterior surfaces exposed to view, including:
   1. Surfaces visible when doors and drawers are closed, including knee spaces.
   2. Underside of cabinet bottom over 42 inches above the finish floor, including cabinet bottoms behind light valances and the bottom edge of light valances.
   3. Cabinet tops under 80 inches above the finish floor, or if 80 inches and over and visible from an upper building level or floor.
   4. Visible front edge of stretcher, ends, divisions, tops, bottoms, shelves, and nailers.
   5. Sloping tops of cabinets that are visible.

C. Exposed Interior Surfaces: Defined as all interior surfaces exposes to view in open casework or behind transparent doors, including:
   1. Shelves, including edge banding.
   2. Division and partitions.

3. Interior face of ends (sides), backs and bottoms (including pull-outs). Also included are the interior surfaces of cabinet top members 36 inches or more above the finished floor.
4. Interior face of door and applied drawer fronts.

D. Semi-Exposed Surfaces: Defined as those interior surfaces only exposed to view when doors or drawers are opened, including:
1. Shelves, including edge banding.
2. Division and partitions.
3. Interior face of ends (sides), backs and bottoms (including bank of drawers). Also included are the interior surfaces of cabinet top members 36 inches or more above the finished floor.
4. Drawer sides, sub fronts, backs and bottoms.
5. Underside of cabinet bottoms between 24 inches and 42 inches above the finished floor.
6. Security and dust panels or drawer stretchers.

E. Concealed Surfaces: Defined as those exterior or interior surfaces that are covered or not normally exposed to view, including:
1. Toes space unless otherwise specified.
2. Sleepers, stretchers, and solid sub tops.
3. Underside of cabinet bottoms less than 24 inches above the finished floor.
4. Flat tops of cabinets 80 inches or move above the finished floor, except if visible from an upper floor or building level.
5. Three non-visible edges of adjustable shelves.
6. Underside of countertops, knee spaces, and drawer aprons.
7. Faces of cabinet ends of adjoining units that butt together.

1.4 SUBMITTALS

A. Shop Drawings: Indicate locations, arrangements, materials, profiles, joint details, and accessories. Show connections to adjacent work and complete assembly.

B. Product Data: Provide data for hardware accessories.

C. Samples: Submit three (3) actual samples of each finish specified for review and acceptance, minimum 4” x 6” in size.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Product Handling: Do not deliver shop-fabricated items until installation areas are ready (including completion of painting, wet work, grinding, and similar operations that could damage, soil or deteriorate casework and millwork).

B. Store in areas meeting requirements for installation areas.

C. Protect units from moisture damage.

D. Protect finished surfaces from soiling and damage during handling and installation. Keep covered with polyethylene film or other protective covering.

1.6 FIELD CONDITIONS

A. Maintain minimum temperature of 55 degrees F and relative humidity between 25% and 55% where casework or shelving are located.

B. Perform no work under less than 30 ft. candles of light measured 3-feet above floor.

1.7 FIELD MEASUREMENTS

A. Verify installation dimensions prior to fabrication. If field measurements differ slightly from drawing dimensions modify work as required for accurate fit. If measurements differ substantially, notify Architect prior to fabrication.

1.8 ALTERNATES

A. Refer to Section 01 23 00 for possible effect upon Work of this Section.

PART 2 – PRODUCTS

2.1 MATERIALS - GENERAL

A. Low-Emitting Materials: Provide manufactured wood casework, including countertops, made with adhesives and composite wood products containing no urea formaldehyde.

B. Quality Grade: Unless otherwise indicated provide products of quality specified by AWI//AWMAC/WI (AWS) for Custom Grade.

2.2 WOOD MATERIALS

A. Wood Surfaces: Plain sliced, book matched, premium white maple veneer, 3/4-inch thick, A-B grade plywood.

B. Composite Wood Products: Industrial Grade Medium Density Fiberboard (MDF).
1. ANSI A208.2, Grade 155 made with binder containing no urea formaldehyde.
2. Manufacturer: SierraPine Medex or approved.

C. Casework Interior Liner: Thermal-pressed melamine low pressure laminate.
1. Color: White
2. No urea formaldehyde.

2.3 LAMINATE MATERIALS

A. Manufacturers:
1. Formica, Panolam, Nevamar, Wilsonart, or approved.

B. High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.

C. Provide specific types as scheduled.

D. Finish: HDPL, unless otherwise noted. Color as selected from manufacturer standards.
   1. PL-1 Color to be determined.
   2. PL-2 Formica Color Core, color to be determined.
   3. PL-3 Color to be determined.
   4. PL-4 Color to be determined.
   5. PL-5 Color to be determined.

2.4 ACCESSORIES

A. Adhesive: Type recommended by fabricator to suit application.

B. Plastic Edge Banding: Extruded PVC, flat shaped; smooth finish; self-locking serrated tongue; of width to match component thickness.

C. PVC Edge Banding:
   1. Manufacturer:
      a. Doellken Woodtape, specified for type and quality. www.doellken-woodtape.com.
   2. Typical PVC Edge Banding: Provide at plastic laminated faced casework edges.
      a. Exposed and Semi-Exposed Edges: 3 mm (1/8 inch) thick.
      b. Semi-Exposed Edges: 0.02 inch thick.
      c. Concealed Edges: No banding, except at front and back face of shelves.
      d. Trim edges and corners and buff smooth, same thickness as edge.
   3. Adhere with hot melt waterproof adhesive under heat and pressure.
   4. PVC Edge Banding Color:
      a. Match adjacent surface finish, as accepted by Architect.

D. Mirror: Manufacturer's standard glass mirror.
   1. Provide two (2) 8"x10" mirrors at each Teacher Wardrobe.
      a. Surface-mount to door at +36" and +60" above finish floor.

E. Fasteners: Size and type to suit application.

F. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.

G. Grommets: Standard plastic grommets for cut-outs, in color black.
   1. Grommet with slotted cap, 2-3/8 inch diameter.
   2. Design to accommodate plugs up to 2-1/4 inches such as computer peripheral and business machine plugs.

2.5 HARDWARE

A. Hardware: BHMA A156.9, types as indicated for quality grade specified.

B. Adjustable Shelf Supports: Standard side-mounted system using multiple holes for pin supports and coordinated self-rests, polished chrome or satin chrome finish, for nominal 1 inch spacing adjustments.

C. Wall-mounted, adjustable shelf supports:
   1. Manufacturer: Knape & Vogt, or approved.
   2. Standards: 82 TI Heavy-Duty Commercial Grade.
   3. Brackets: 182 TI Heavy-Duty Commercial Grade.

E. Counter Support Bracket:
   1. Manufacturer: Knape & Vogt Ultimate L Bracket 208 TI, or approved.
   2. Horizontal Leg: Less 4-inch depth of counter.
   3. Continuous blocking at back of support bracket.

F. Drawer and Door Pulls: Round Wire Pulls.
   1. Manufacturer: Stanley, or approved.
   2. Model: 3 inch wire pull, nickel color.

G. Cabinet Locks.
   1. Manufacturer: Olympus, www.olympus-lock.com.
      a. Locks: Provide where shown on Drawings.
         1) Door Lock: Olympus 100 DR, 5 pin, 7/8" barrel.
         2) Drawer Lock: Olympus 200DW, 5 pin, 7/8" barrel.
      b. Keying: Master keyed to Owner's keying system.
         1) Single Doors: Keyed locks at each cabinet door and drawer.
            (a) See Drawings for locations.
         2) Double Doors:
            (a) One keyed lock at door noted on Drawings.
            (b) One interior catch at adjacent door.
      c. Six keys per Lock, each lock keyed separately, each key stamped with key code.
      d. Stamp Key Code on Lock Bolt, visible when lock is in "locked" position.
   2. Elbow Catch: Ives No. 2 Elbow Catch.
      a. Install at inactive leaf of double doors where a lock is shown on the active leaf.

H. Drawer Slides:
   1. Medium Duty Standard Drawer Slides:
      a. Maximum 16 Inch Drawer Width: Lever disconnect side mounting, 90 pound load rating, 1 inch over travel extension slides.
         1) Accuride 3834
         2) Knape & Vogt No. 8400
      b. Maximum 24 Inch Drawer Width: Rail disconnect side mounting, 100 pound load rating, 1 inch over travel extension slides.
         1) Accuride 7434
   2. Heavy Duty Lateral Drawer Slides and File Drawer Slides:
      a. Up to 24 inch Drawer Width: Rail disconnect side mounting, 150 pound load rating, 1-1/2 inch over-travel extension slides.
         1) Accuride 4034
         2) Knape & Vogt No. 8505
      b. Up to 42 Inch Drawer Width: Rail disconnect side mounting, 200 pound load rating, 1-1/2 inch over-travel extension slides.
         1) Accuride 3640

I. Cabinet Door Hinges:
   1. Concealed, self-closing, wide angle with integrated side adjustment, 170 degree opening angle.
   2. Opening Angle: 170 degrees.
   3. Manufacturer: Blum, or approved.
   4. Finish: Nickel-plated.

J. Coat Hooks:
   1. Ives 582, or equal – Satin Nickel finish.
      a. Provide two (2) Coat Hooks at each Teacher Wardrobe.
         1) Mount at 48-inches and 60-inches above finish floor.
         2) Coordinate with work affected by Alternates.
      b. Provide two (2) Coat Hooks at each 24-inch high cubby in Building D, E, and F.
         1) Coordinate with work affected by Alternates.

K. Cafe Door Hinges:

   1. McKinney Gravity Pivot Hinge 8007 or approved.

2.6 FABRICATION, GENERAL

A. AWI Fabrication Grade and Style: Custom, Reveal Overlay

B. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.

C. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.

D. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.

E. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Locate counter butt joints minimum 2 feet from sink cut-outs.
   1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
   2. Cap exposed plastic laminate finish edges with material of same finish and pattern.

F. Provide solid wood or 20-gauge sheet metal backing for wall hung items.

G. Install finish hardware specified herein at mill.

2.7 FABRICATION – COUNTERTOP AND BACKSPLASH:

A. Plastic Laminate-Clad Countertop Fabrication:
   1. Core: 3/4 inch thick MDF with 3/4-inch thick buildup at edges.
      a. Moisture resistant MDF core at sink countertops and where subject to moisture.
      b. No unsupported spans exceeding 36 inches.

2. Plastic Laminate Face Sheet: Horizontal Grade HPDL.
3. Backing Sheet: Liner Grade at countertops and backsplashes.
4. Self-Edge Banding: 1-1/2 inch face exposure at countertop edge. Scribe to wall at top edge of back splash.
5. Back Splash Fabrication: 4 inch high by 1/2 deep

2.8 FABRICATION – CABINETS:

A. Wall and Base Cabinets:
1. Exposed surfaces: Hardwood Veneer Faced Panels, unless otherwise noted on Drawings.
2. Semi-exposed surfaces: Casework interior liner.
3. Elsewhere: Casework interior liner.
4. Concealed Surface Finish: Liner Grade balancing sheet, including at concealed tops, bottoms, sides, and backs of casework.

B. Base Cabinet Toe Kicks: 3/4-inch thick plywood at front and open ends of base cabinets.
1. Base Cabinets Set on Continuous Bases: Build in place, level, and shim. Align with adjoining casework
2. Base Cabinets Set Directly On Floor: Extend end and back panels to floor. Make level and aligned with adjoining cabinets.

C. Hardwood Veneer Plywood Panels:
2. Faces: 3/4-inch thick hardwood veneer plywood.
3. Edges: Hardwood veneer plywood to be edge banded with matching hardwood at all exposed edges.

D. Cabinet Backs:
1. Concealed Backs Installed Against Walls:
a. 1/4-Thick cabinet interior liner faced toward cabinet interior.
2. Exposed Backs at Freestanding Casework: Match adjacent exposed surfaces..

2.9 FABRICATION – CABINET DOOR AND DRAWER:

A. Cabinet Doors:
1. Exposed surfaces: Hardwood Veneer Plywood, unless otherwise noted on Drawings.
2. Hardwood Veneer Faced Casework:
a. Faces: 3/4-inch thick hardwood veneer plywood.
b. Edges: Hardwood veneer plywood to be edge banded with matching hardwood at all exposed edges.
3. Plastic Laminated Casework:
a. Core: 3/4-inch thick MDF or plywood.
b. Faces: Vertical Grade HDPL at outside door face and melamine laminate at inside door face.
c. Edges: PVC edge banding.
3. Hardware:
a. Pulls: One vertically mounted pull for each door.
b. Keyed Locks: One lock for each door opening where indicated on Drawings.
c. Hinges: Two hinges per door, except three hinges on doors exceeding 48 inches.

d. Silencers: Provide vinyl silencers to prevent noisy door-to-frame contact.

B. Cabinet Drawers:
1. Exposed surfaces: Hardwood Veneer Plywood, unless otherwise noted on Drawings.
2. Hardwood Veneer Faced Casework:
a. Faces: 3/4-inch thick hardwood veneer plywood.
b. Edges: Hardwood veneer plywood to be edge banded with matching hardwood at all exposed edges.
3. Plastic Laminated Casework:
a. Core: 3/4-inch thick MDF or plywood.
b. Faces: Vertical Grade HDPL at outside door face and melamine laminate at inside door face.
c. Edges: PVC edge banding.
5. Bottoms: 1/4 inch thick cabinet interior liner.
6. All other case construction materials: 3/4-inch thick plywood or cabinet interior liner depending on exposure.
7. Drawers Over 36 Inch Wide: MDF stiffeners or metal reinforcing.
8. Hardware:
a. Drawer Slides: Mount with positive in and out stops for permanent alignment and quiet operation.
b. Pull: One horizontally mounted pull for each drawer, except 2 pulls on drawers exceeding 30 inch width.
c. Keyed Lock: One lock for each drawer where indicated on Drawings.
d. Silencers: Provide vinyl silencers to prevent noisy door-to-frame contact.

2.10 FABRICATION – SHELVING:

A. All shelves adjustable, unless otherwise noted on Drawings.

B. Fixed and Adjustable Casework Shelves:
1. Exposed surfaces: Hardwood Veneer Faced Shelves, unless otherwise noted on Drawings.
a. Hardwood Veneer Faced Casework:
1) Faces: 3/4-inch thick hardwood veneer plywood.
2) Edges: Hardwood veneer plywood to be edge banded with matching hardwood at all exposed edges.
b. Plastic Laminated Casework:
1) Faces: Vertical Grade HDPL clad 3/4-inch thick MDF or plywood.
2) Edges: PVC edge banding.
2. Semi-exposed surfaces: Match adjacent exposed surfaces.
3. Elsewhere: Casework interior liner.
4. Shelf Span:
a. Spans up to 36 inches: 3/4 inch thickness MDF or plywood.
b. Spans between 36 and 42 inches: 1 inch thickness MDF or plywood.
c. Spans over 42 inches: 1-1/8 inch thick MDF or plywood.
5. Hold bottom shelf and any intermediate shelves 3/4-inch back from rear face of door to provide open space for ventilation.

2.11 SHOP FINISHING

A. General: Finish architectural wood cabinets at fabrication shop as specified in this Section. Defer only final touchup, cleaning, and polishing until after installation.

B. Sand work smooth and set exposed nails and screws.

D. On items to receive transparent finishes, use wood filler matching or blending with surrounding surfaces and of types recommended for applied finishes.

E. Finish work in accordance with AWI Finishing for grade specified and as follows:
   1. Transparent: Lacquer Finish.
      a. Finish wood veneer cabinetry, paneling, and molding in accordance with AWI System No. 2 catalyzed lacquer finish for open grain woods with flat-dull rubbed effect, 5%-10% sheen, sealer, sanding with 220 grit stearated paper, and two top finish coats on all exposed and semi-exposed surfaces.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Verify that surfaces to receive casework and shelving are straight, plumb, true, solid, rigid, and otherwise properly prepared.

B. Prior to starting work, notify General Contractor about conditions requiring correction.

C. Begin work when conditions are satisfactory.

3.2 COORDINATION

A. Coordinate with other trades affecting or affected by work of Section.

3.2 INSTALLATION

A. Miter corners. Bevel-cut and glue Joints.

B. Where rubber base is scheduled, provide continuous wood backing in toe space of in-line base cabinets

C. Secure work in place, plumb, square, true, level, and without distortion; level where necessary with concealed shims.

D. Secure work to backing with countersunk screws.

E. Accurately scribe faceplates, filler strips, and trim strips to adjacent surface irregularities. Install with finish nails, set for puttying, except where screws are required.

F. Ease sharp external corners prior to finishing.

G. Secure cabinets to floor using appropriate angles and anchorages.

H. Plastic Laminate Countertop:
   1. Install intermediate joints between corners in longest possible length for each top
   2. Maintain joint distance of minimum 24 inch clearance from sink cutout.
   3. Where joints cannot be avoided at knee spaces, install additional reinforcing without reducing knee space clearance.
   4. Apply acrylic latex adhesive at each field joint, and tighten together with 1/4 inch drawbolts set into routed bottom face as needed to make flush and hairline.
   5. Cut smooth, crack free holes and cutouts with minimum 1/4 inch diameter radius inside corners.
   6. Seal exposed edges with waterproof sealant
   7. Install wall ledgers and counter support angles, secured to wall for support of counters spanning over 36 inch and as needed to eliminate deflection at knees pace.

I. Wall Shelves: Support shelves on standards and brackets at 36 inch maximum spacing.

3.3 ADJUSTING

A. Adjust installed work and test for rigidity and ability to support load.

B. Adjust moving or operating pars to function smoothly and correctly.

3.4 CLEANING

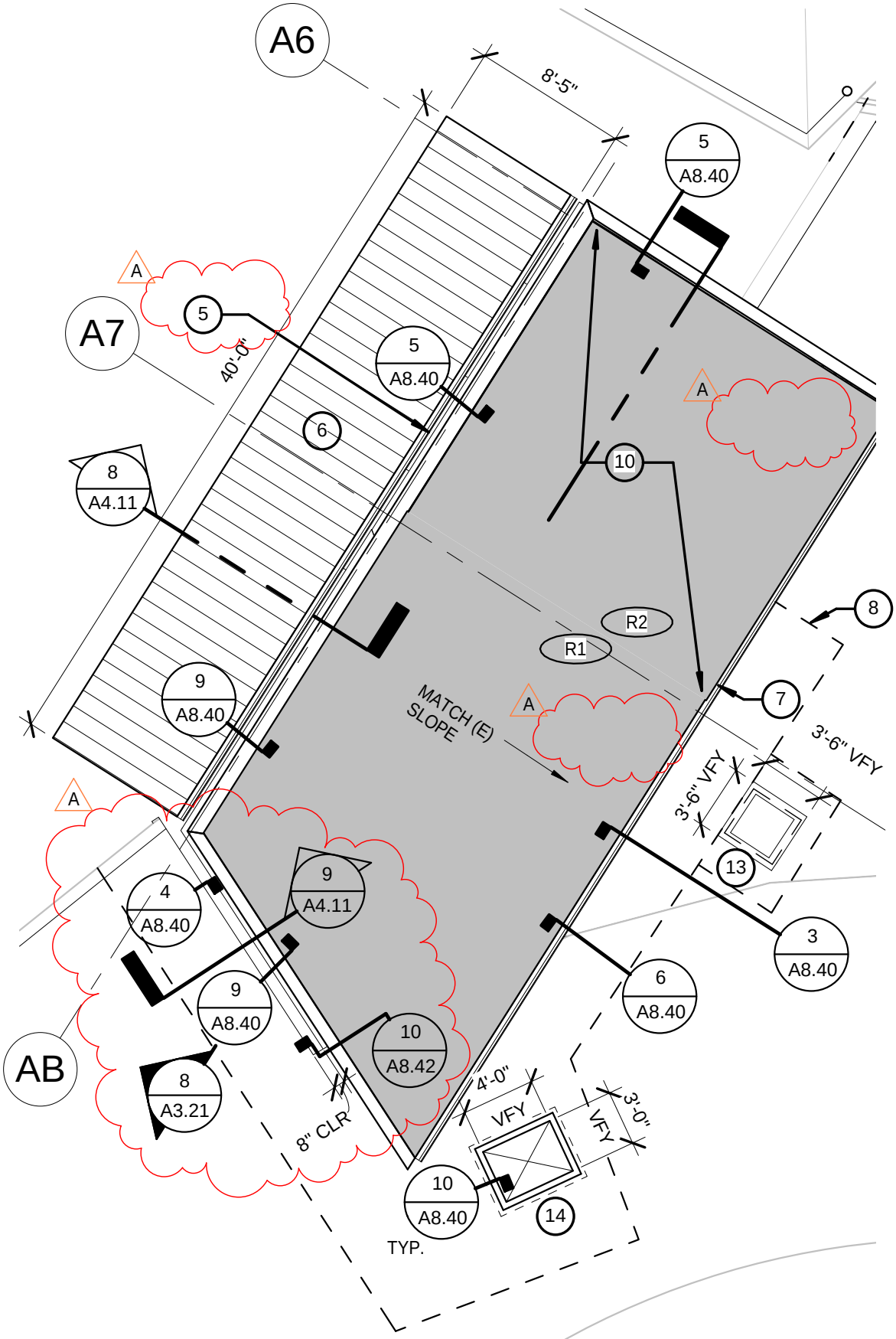
A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

3.5 PROTECTION

A. Take applicable protection measures and maintain conditions in manner acceptable to manufacturer through completion of Project.

B. Protect countertops with polyethylene, kraft paper, or other protective covering.

END OF SECTION 06 41 00



1 ROOF PLAN - NW (PARTIAL)

1/8" = 1'-0"

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A ADDENDUM 1 26 FEB 2016

REVISIONS

PROJECT: GILHAM ELEMENTARY SCHOOL RENOVATION & EXPANSION PHASE 01

3307 HONEYWOOD STREET EUGENE, OREGON 97408

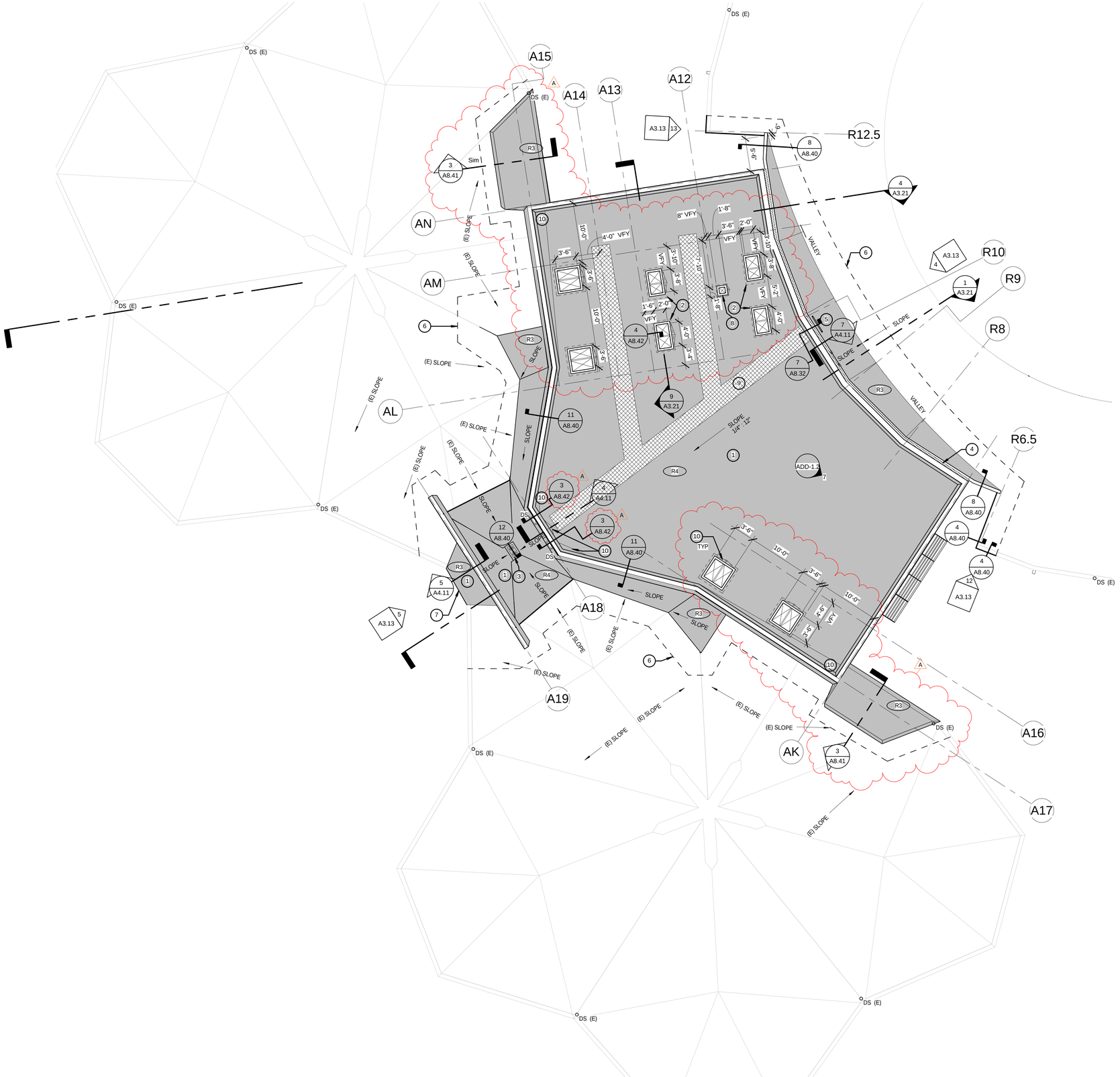
SHT REF: 1/ A2.31

CIP: 410.193.003

ADD-1.1

26 FEB 2016

PROJECT NO.: 15775



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

GENERAL NOTES

A. ITEMS ARE EXISTING, UON

ROOF LEGEND

- RC-XX — ROOF TYPE
- (N) ROOF
- (E) ROOF
- DS — DOWN SPOUT
- SEPARATION JT

KEYNOTES

1. BUR ROOF SYSTEM WITH PRE-FINISHED SHEET METAL ROOF COPING
2. MECHANICAL PENTHOUSE, SEE MECHANICAL
3. (N) ROOF DRAIN & OVERFLOW, SEE PLUMBING
4. SEISMIC JOINT COVER, EJ-1
5. WALL MOUNT ROOF ACCESS LADDER
6. PATCH EXISTING ROOF ASSEMBLY WHERE NEW WORK OCCURS
7. PROVIDE (N) SM GUTTER TO MATCH (E) - TIE IN TO SYSTEM
8. EXHAUST ROOF CAP, SEE MECH.
9. 36" WIDE, 80MIL WALKWAY PADS
10. CRICKET

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CIP NUMBER: 410.193.003

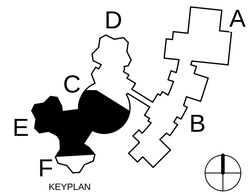
CONSTRUCTION DOCUMENTS

EUGENE SCHOOL DISTRICT 4J
GILHAM ELEMENTARY SCHOOL RENOVATION & EXPANSION PHASE 01

JOB NO: 15775
ISSUE DATE: 26 FEB 2016
DRAWN BY:
CHECKED BY:

ROOF PLAN - SW

A2.32



KEYPLAN

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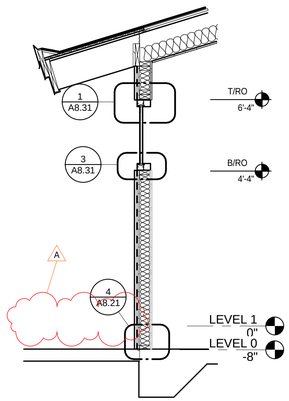
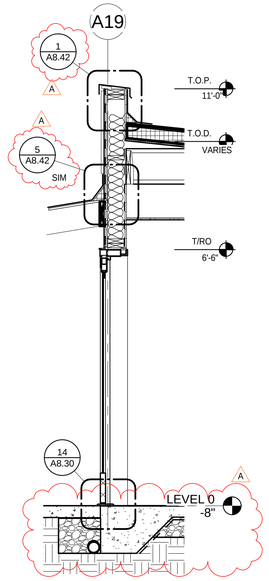


6 WALL SECTION @ EX WALL
1/2" = 1'-0"



5 WALL SECTION @ INFILL ENTRY
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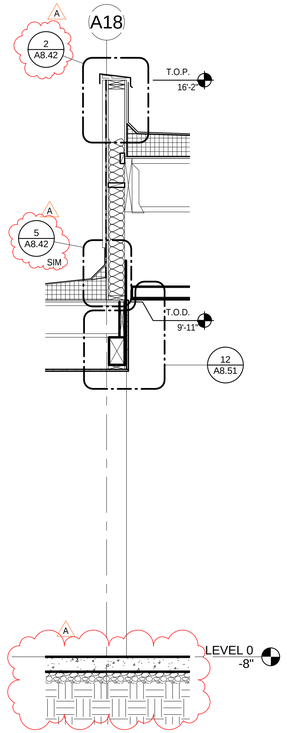

4 WALL SECTION @ ROOF
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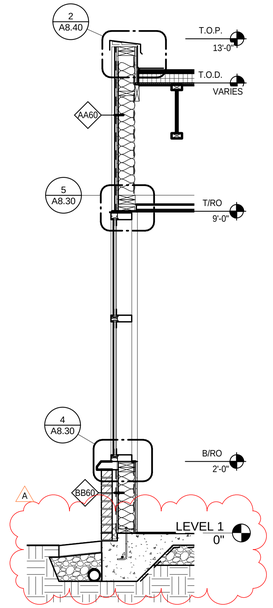

3 WALL SECTION @ SF-#
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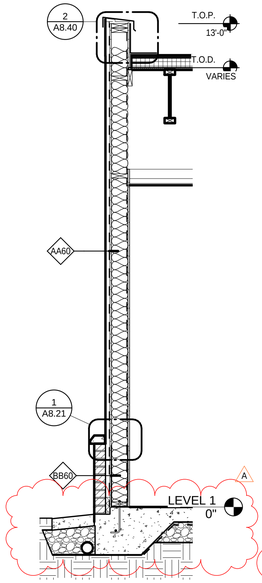

2 WALL SECTION @ FMP-1 & BRICK
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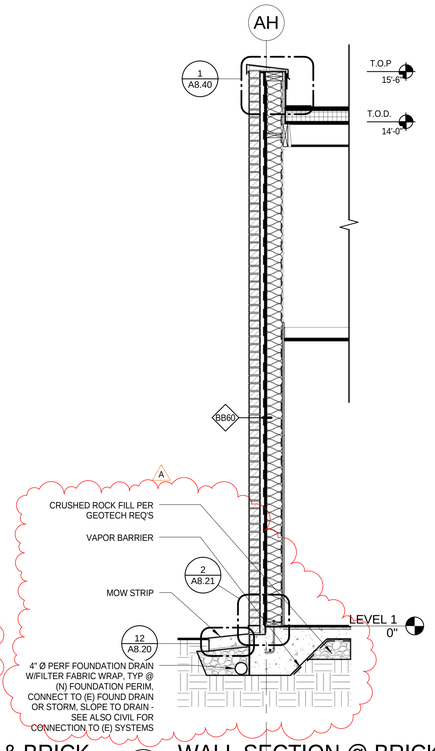

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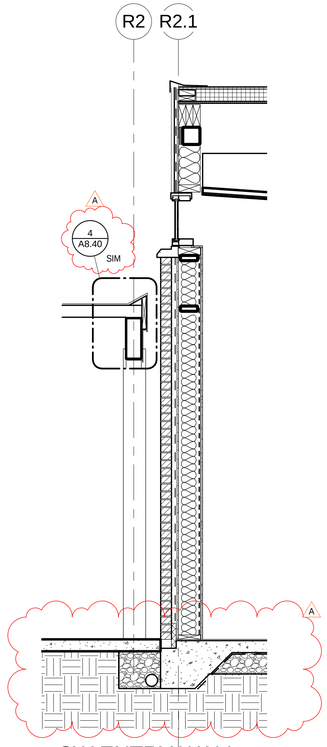

9 SW ENTRY WALL
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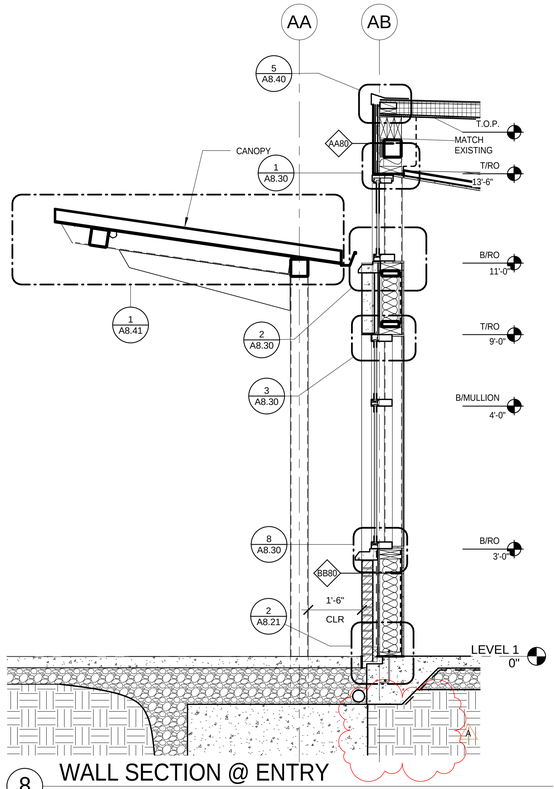

8 WALL SECTION @ ENTRY
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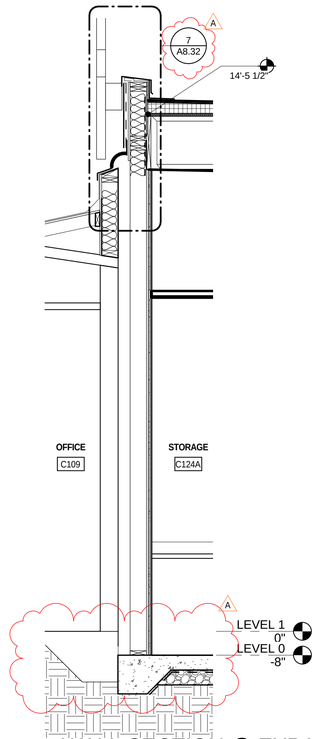

7 WALL SECTION @ EXPANSION JT
1/2" = 1'-0"

CONSTRUCTION DOCUMENTS CIP NUMBER: 410.193.003

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EUGENE SCHOOL DISTRICT 4J
GILHAM ELEMENTARY SCHOOL RENOVATION & EXPANSION PHASE 01

JOB NO: 15775
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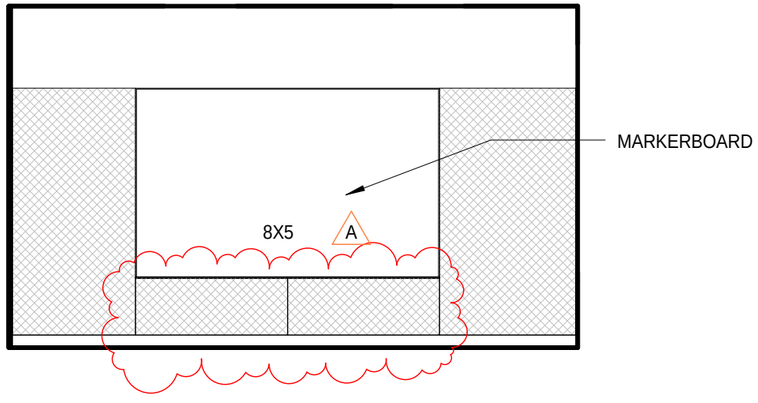
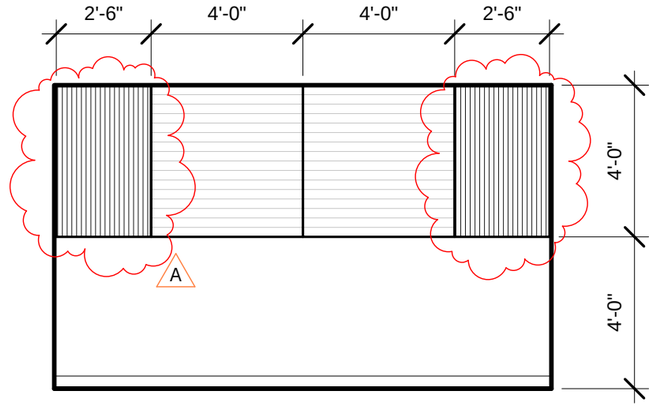
WALL SECTIONS

A4.11



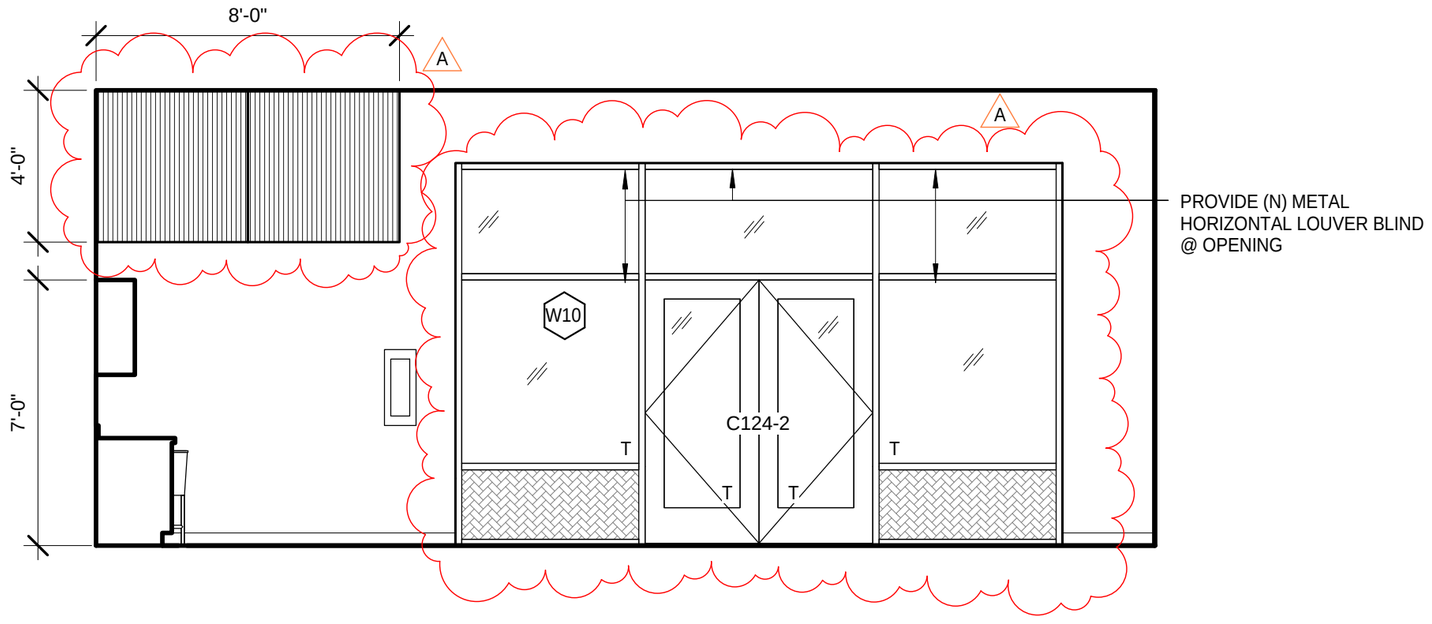
8 B129 WEST (A6.10)

1/4" = 1'-0"



15 C116 SOUTH (A6.11)

1/4" = 1'-0"



7 C124 SOUTH (A6.12)

1/4" = 1'-0"

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REVISIONS

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PHASE 01

3307 HONEYWOOD STREET EUGENE,
OREGON 97408

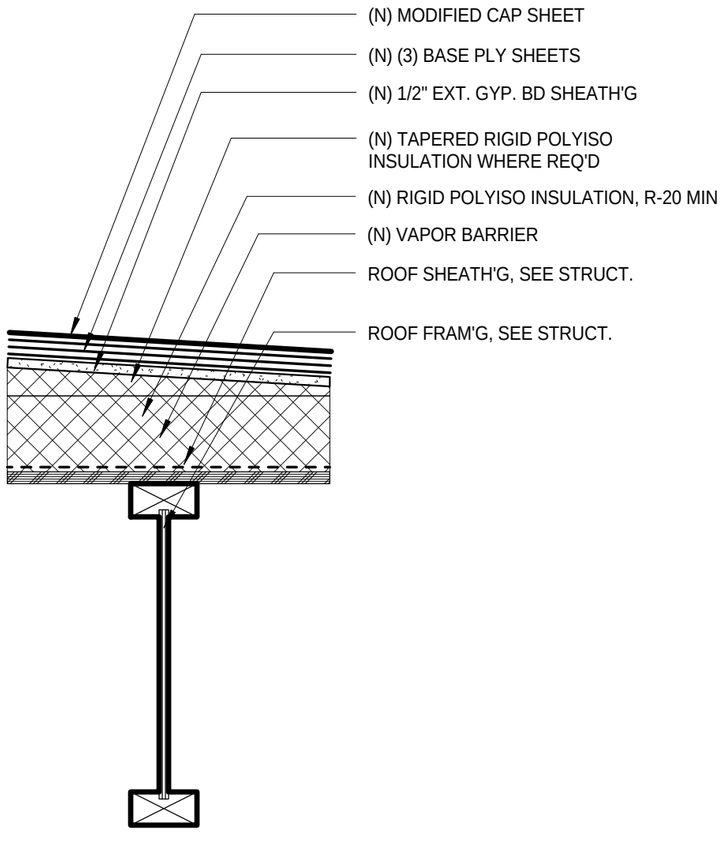
SHT REF: 8/ A6.10 ,15/A6.11, 7/A6.12

CIP: 410.193.003

ADD-1.2

26 FEB 2016

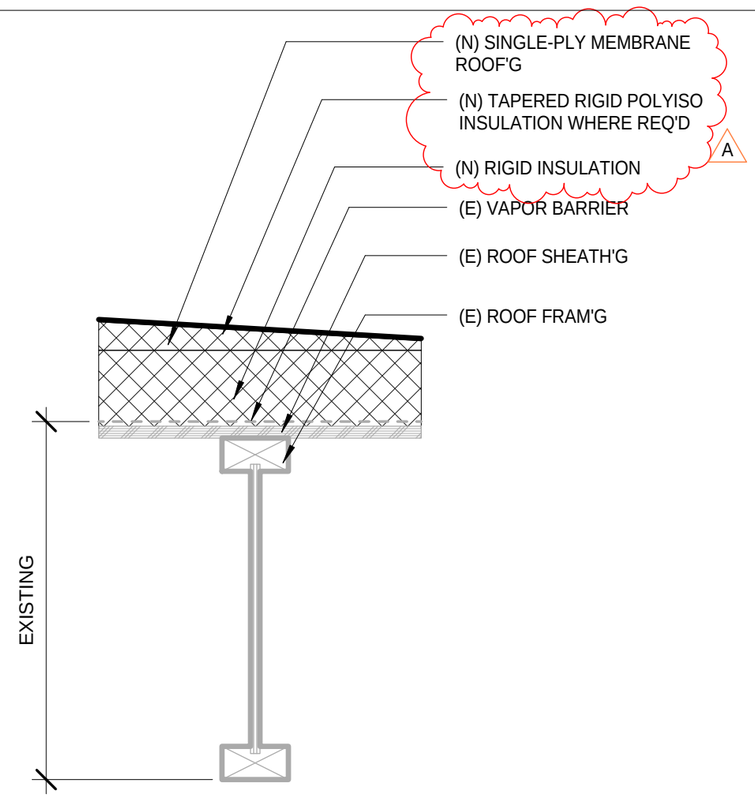
PROJECT NO.: 15775



R4 (N) BUILT UP ROOF ASSY

1 1/2" = 1'-0"

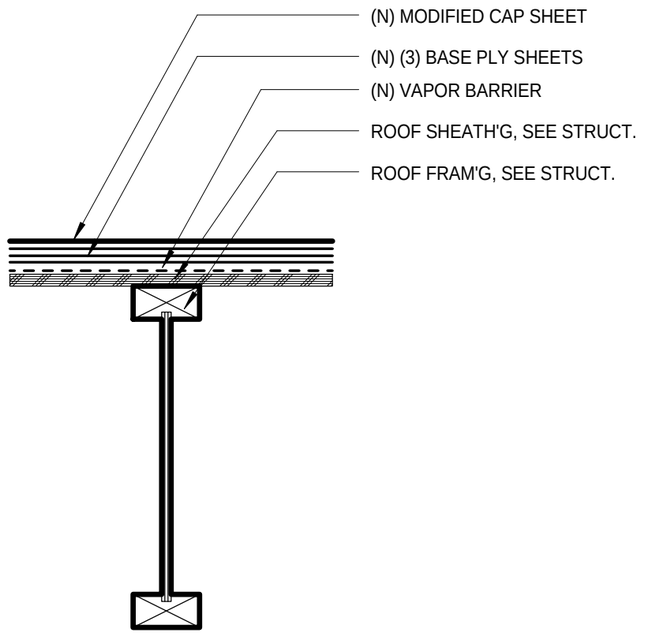
A



R2 (N) MEMBRANE OVER (E) ROOF ASSY

1 1/2" = 1'-0"

A



R3 (N) BUILT UP ROOF ASSY

1 1/2" = 1'-0"

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A ADDENDUM 1 26 FEB 2016

REVISIONS

PROJECT: GILHAM ELEMENTARY SCHOOL RENOVATION & EXPANSION PHASE 01

3307 HONEYWOOD STREET EUGENE, OREGON 97408

SHT REF: R2,R3,R4/ A8.01

CIP: 410.193.003

ADD-1.3

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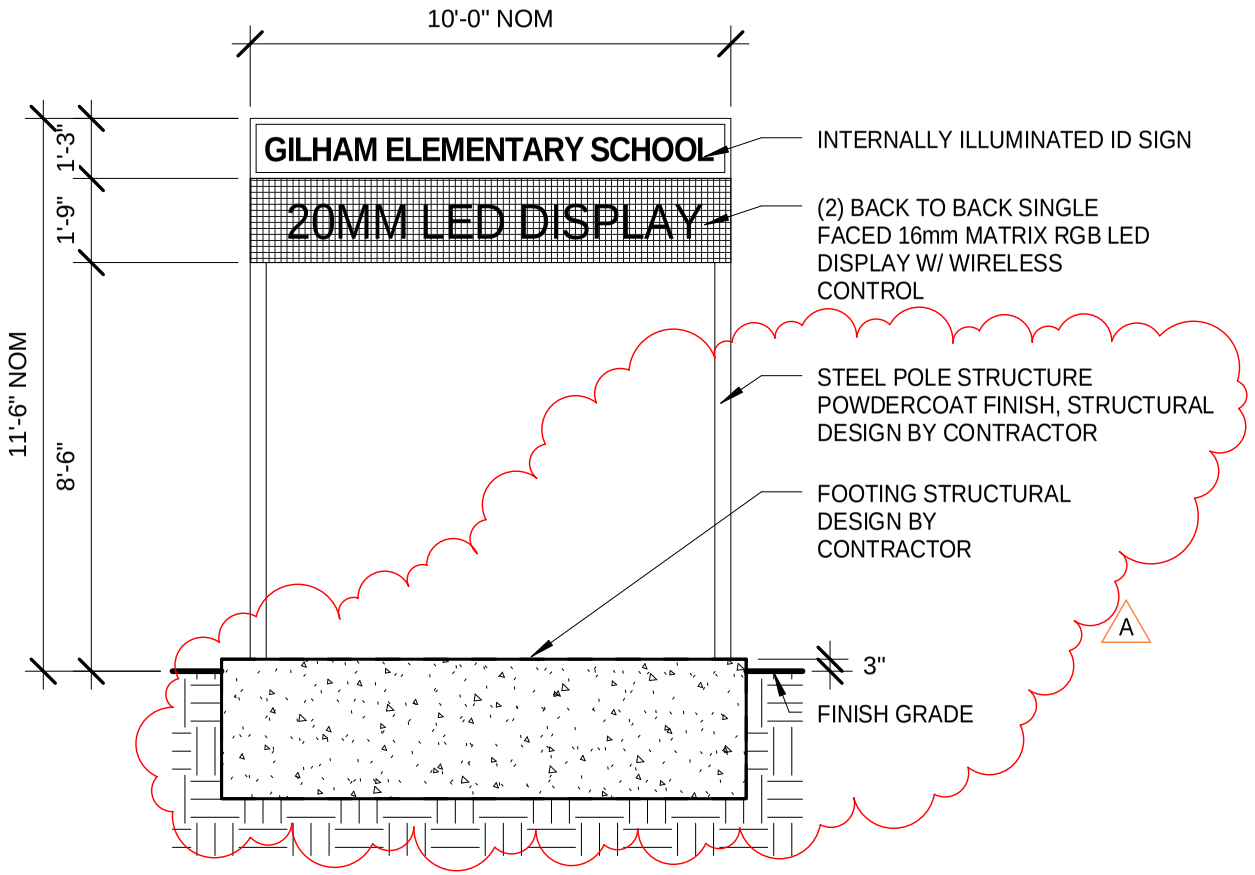
PROJECT NO.: 15775



5 READERBOARD ELEVATION

1/4" = 1'-0"

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PROJECT: GILHAM ELEMENTARY SCHOOL RENOVATION & EXPANSION PHASE 01

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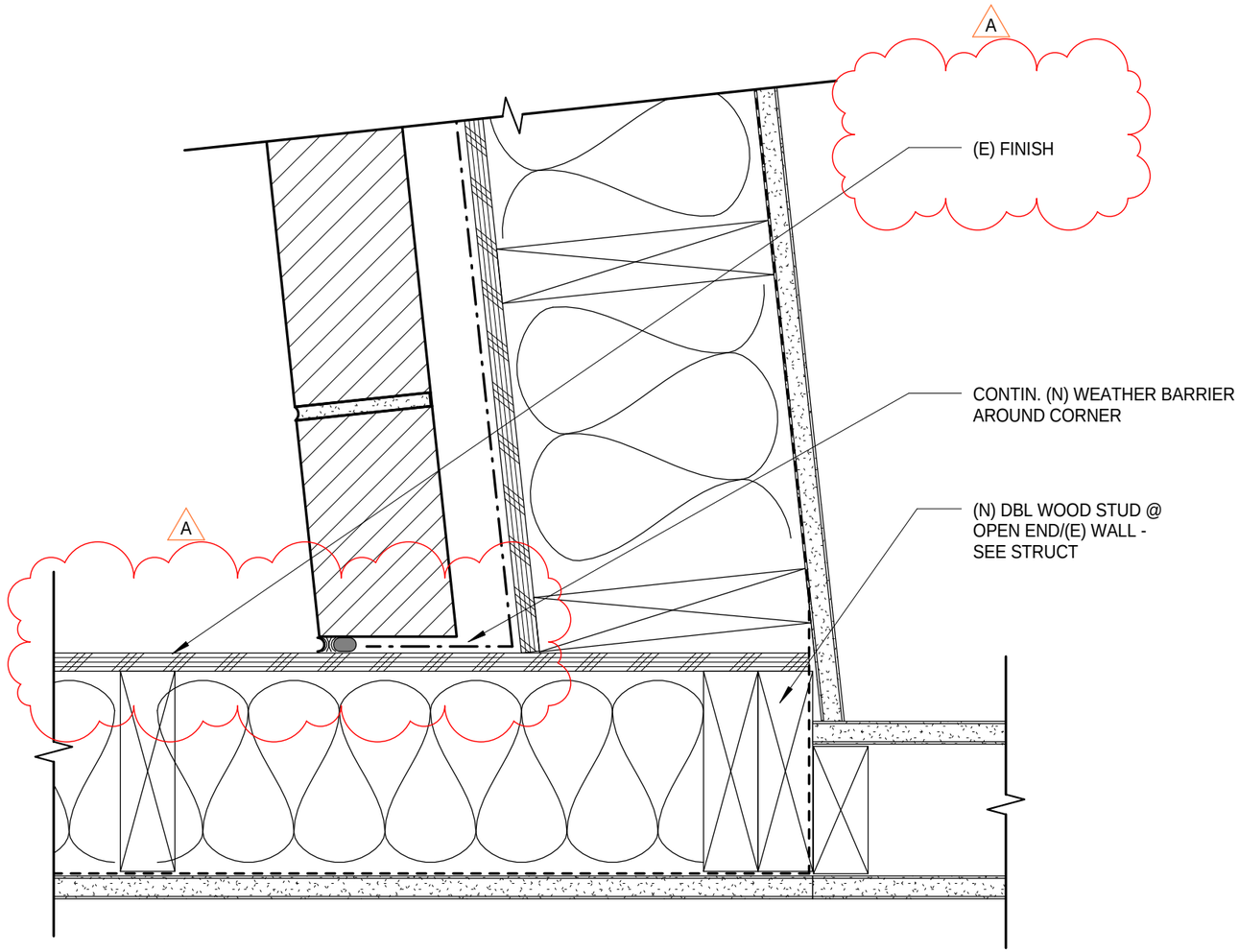
SHT REF: 5/ A8.20

CIP: 410.193.003

ADD-1.4

02/24/16

PROJECT NO.: 15775



1 GEN OFF (N) & (E) JOINT

3" = 1'-0"

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SHT REF: 1/ A8.22

CIP: 410.193.003

ADD-1.5

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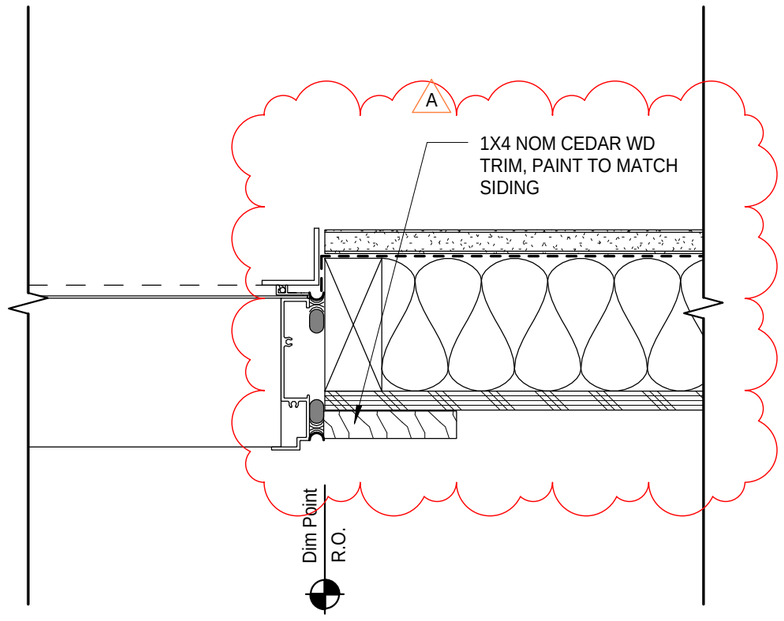
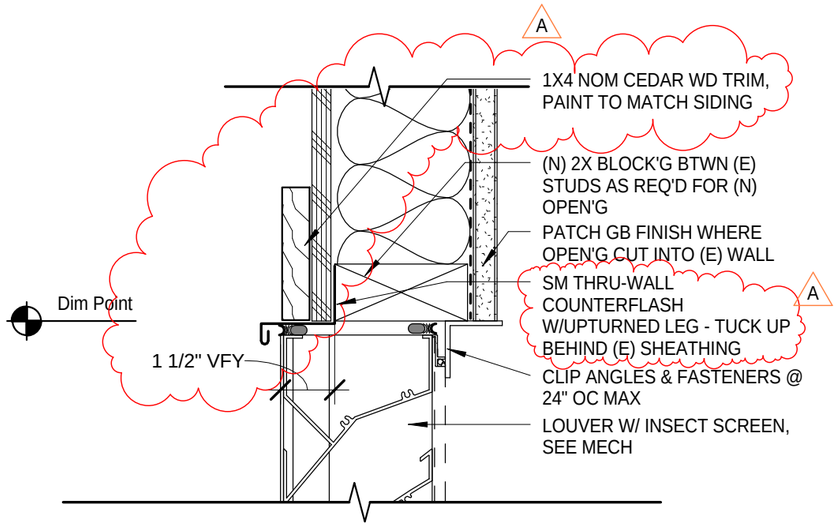
PROJECT NO.: 15775



11 LOUVER JAMB @ WD SIDING

3" = 1'-0"



10 LOUVER HEAD @ WD SIDING

3" = 1'-0"

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SHT REF: 10,11/ A8.31

CIP: 410.193.003

ADD-1.6

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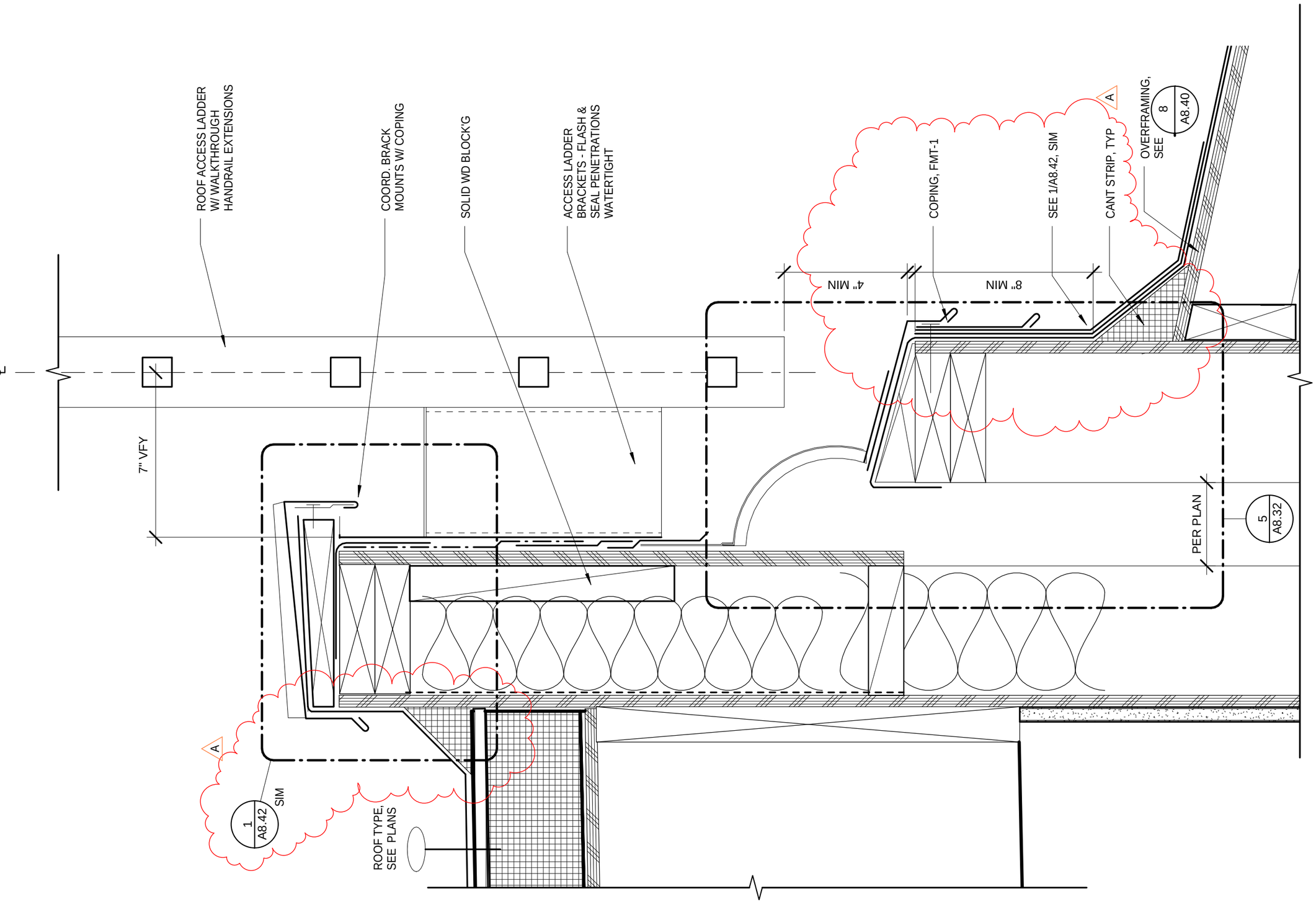
PROJECT NO.: 15775



ACCESS LADDER

3" = 1'-0"

7

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SHT REF: 7/ A8.32

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ADD-1.7

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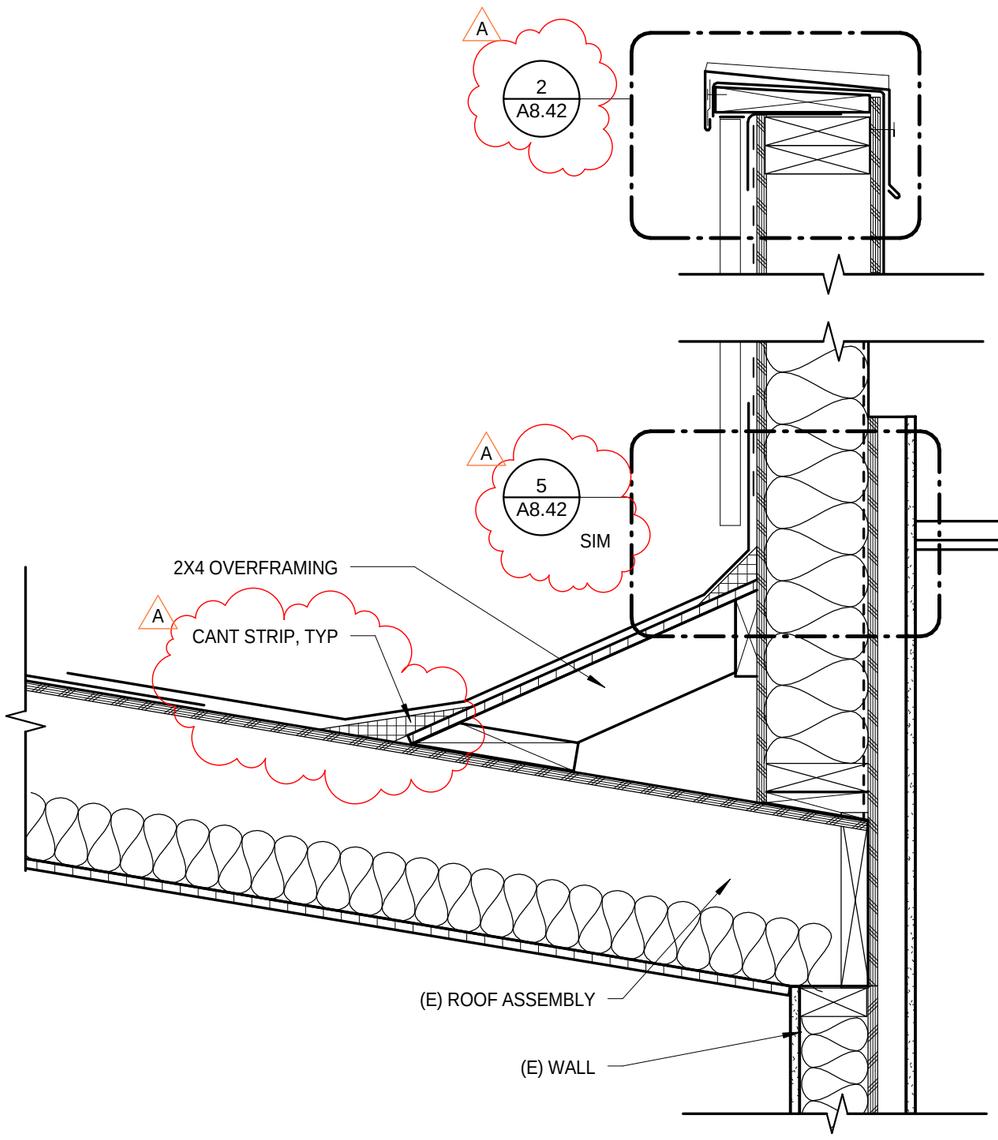
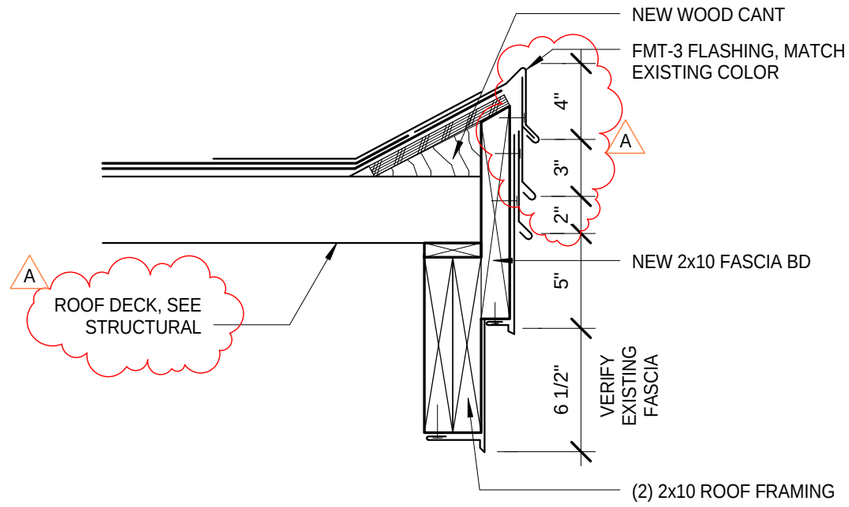
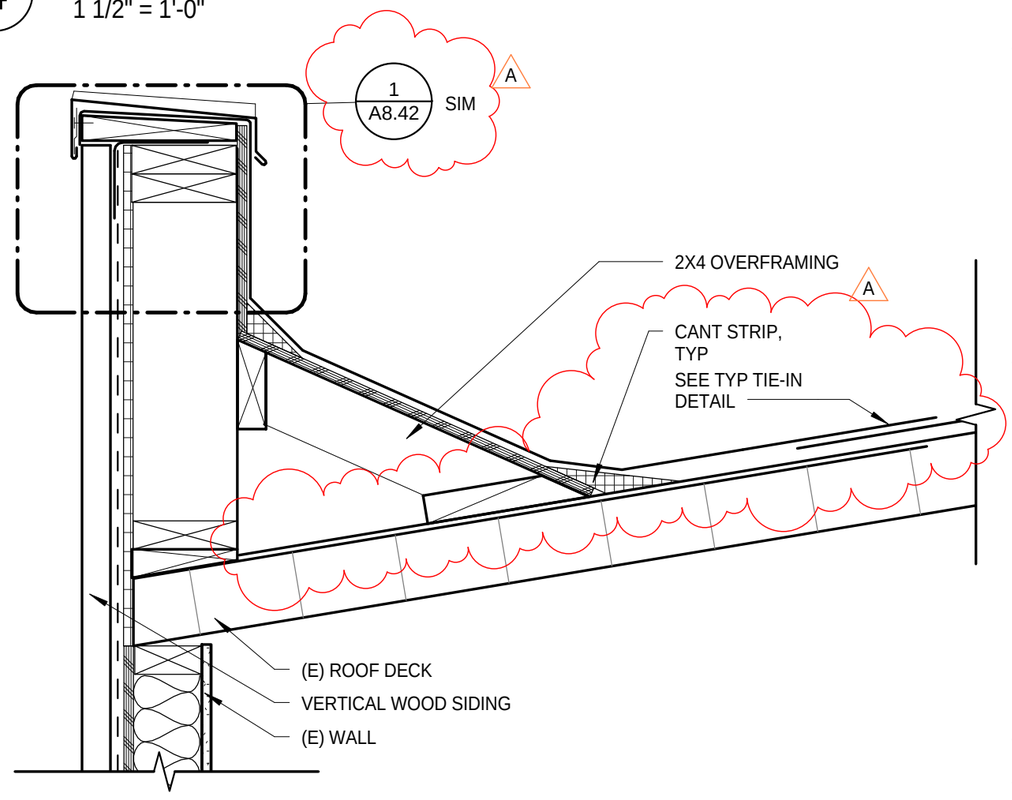


4 FASCIA DETAIL

1 1/2" = 1'-0"





11 PARAPET AT (E) CLASSROOM

1 1/2" = 1'-0"

8 PARAPET

1 1/2" = 1'-0"

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REVISIONS

PROJECT: GILHAM ELEMENTARY SCHOOL RENOVATION & EXPANSION PHASE 01

3307 HONEYWOOD STREET EUGENE, OREGON 97408

SHT REF: 4, 8, 11/ A8.40

CIP: 410.193.003

ADD-1.8

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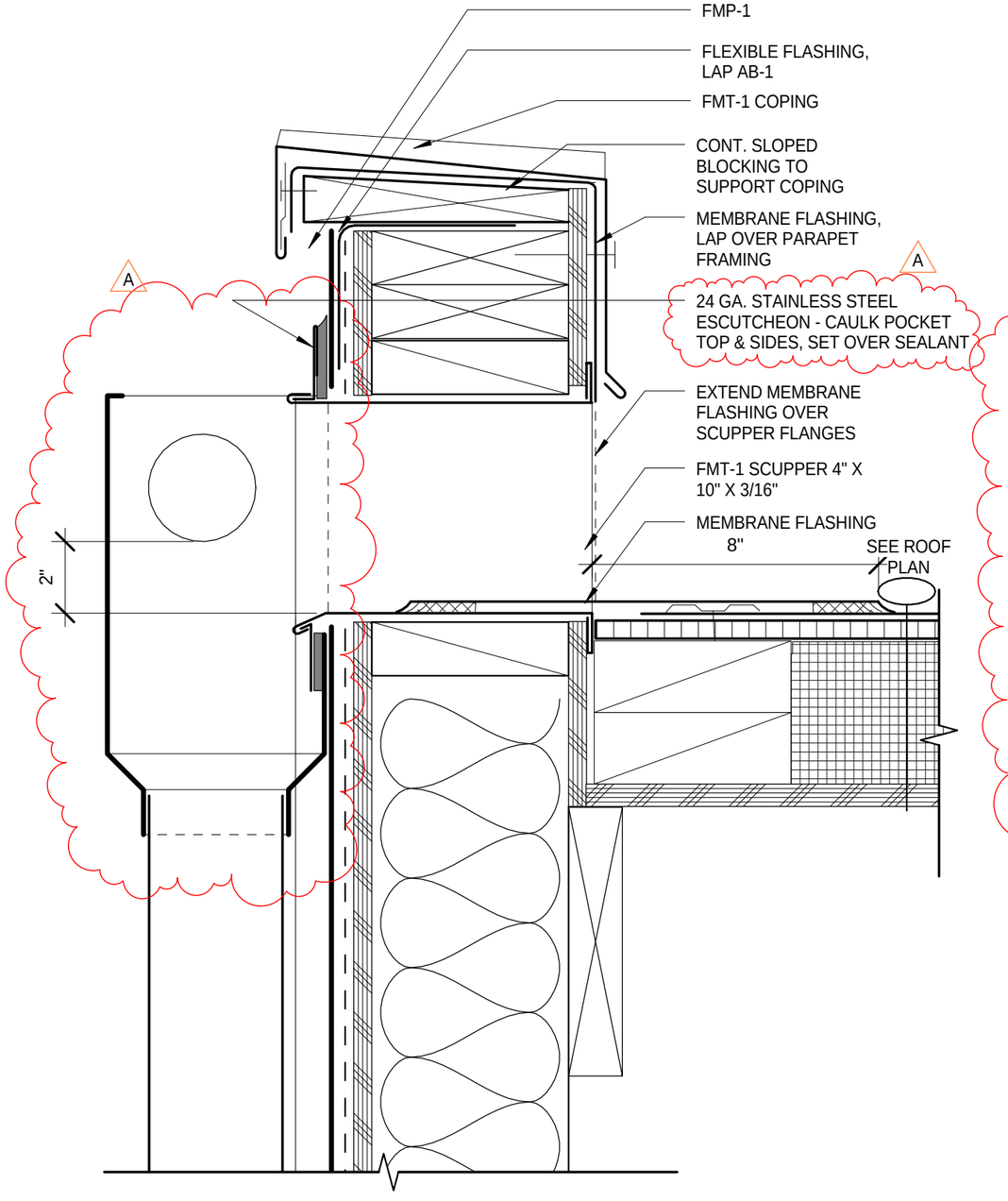
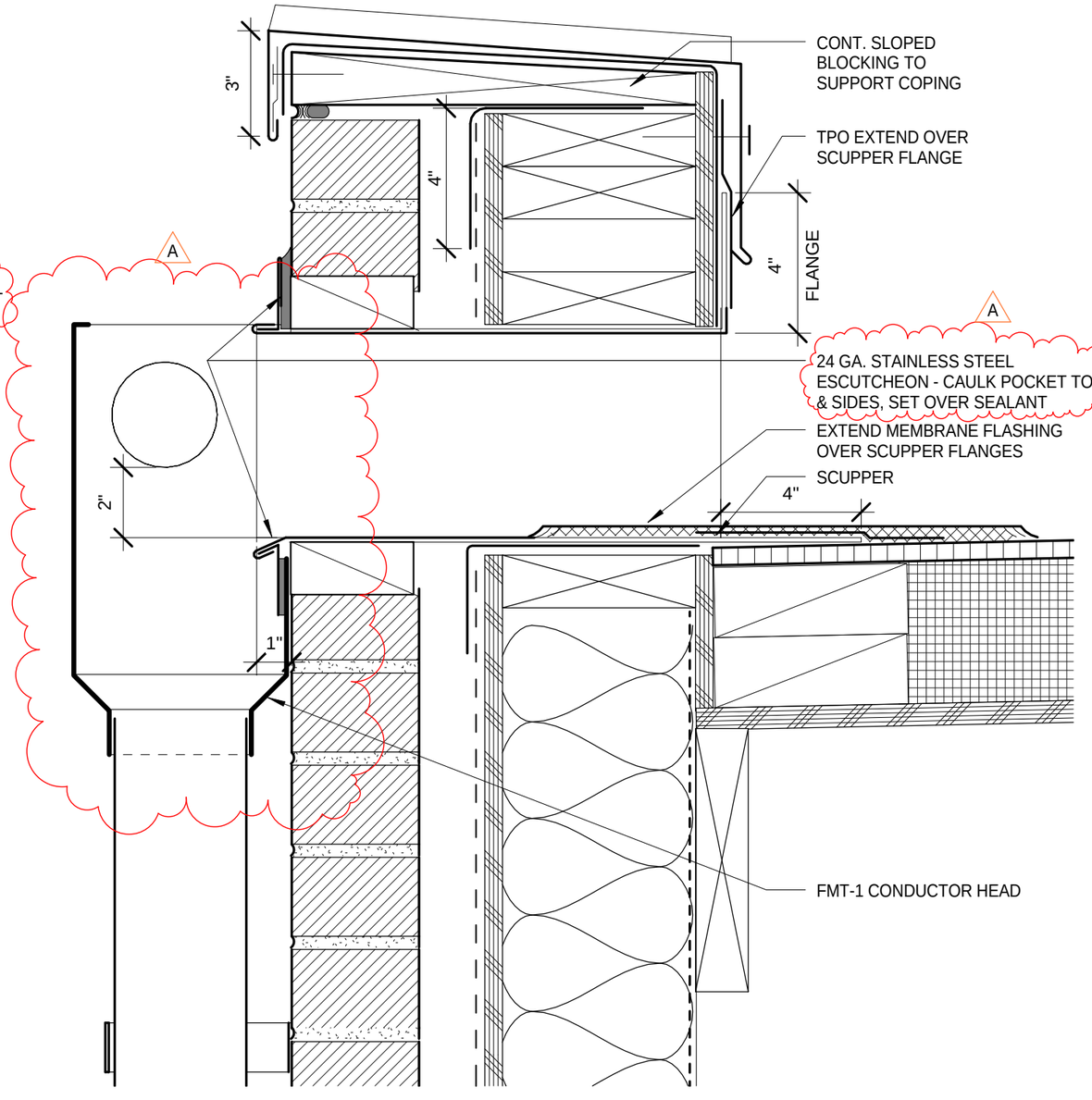
PROJECT NO.: 15775



14 SCUPPER_FMP-1

3" = 1'-0"



15 SCUPPER @ BRICK

3" = 1'-0"

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SHT REF: 14,15/ A8.40

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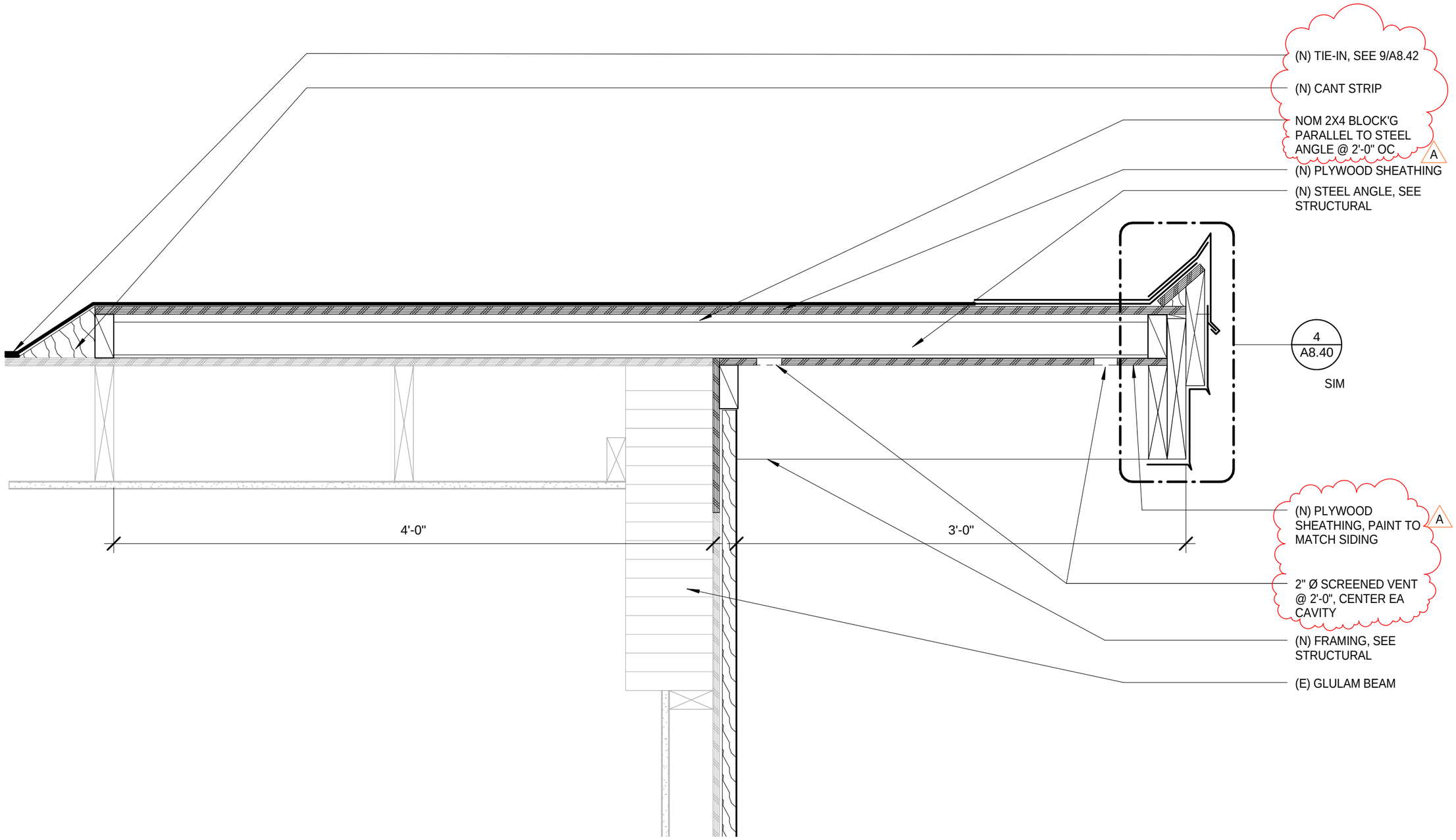
ADD-1.9

26 FEB 2016

PROJECT NO.: 15775



3 (N) ROOF @ (E) POD

1 1/2" = 1'-0"

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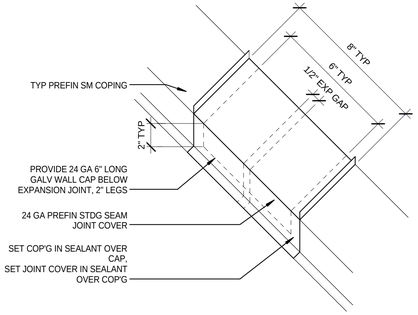
SHT REF: 3/ A8.41

CIP: 410.193.003

ADD-1.10

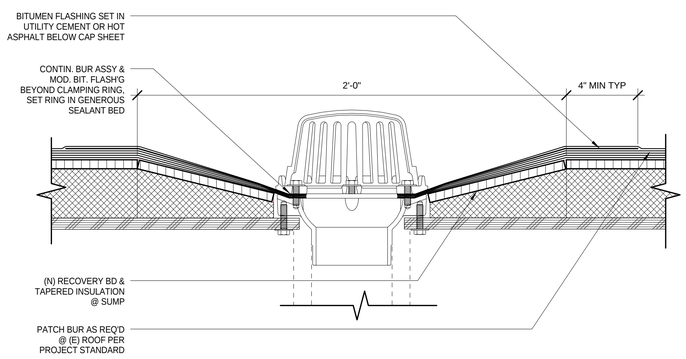
26 FEB 2016

PROJECT NO.: 15775



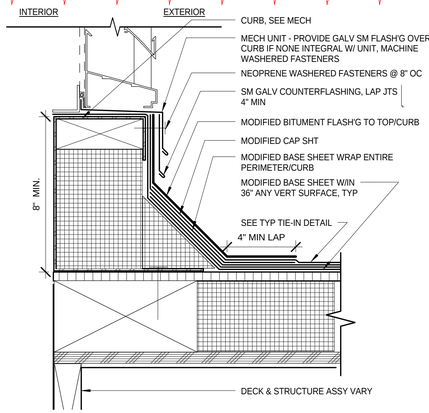
8 AXON - TYP COPING LAP JNT

NOT TO SCALE



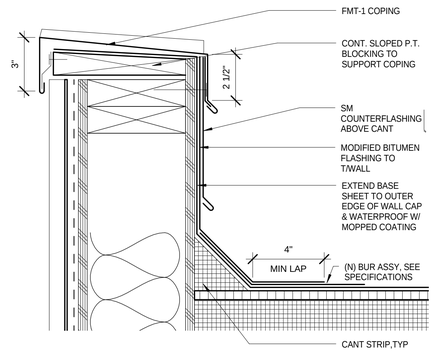
6 SECTION @ SUMP & ROOF DRAIN

3" = 1'-0"



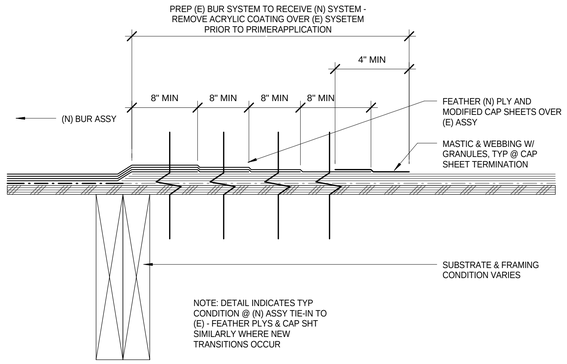
4 MECH CURB @ BUR

3" = 1'-0"



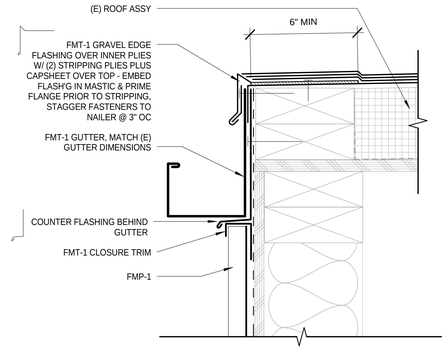
1 PARAPET @ FMP-1 BUR

3" = 1'-0"



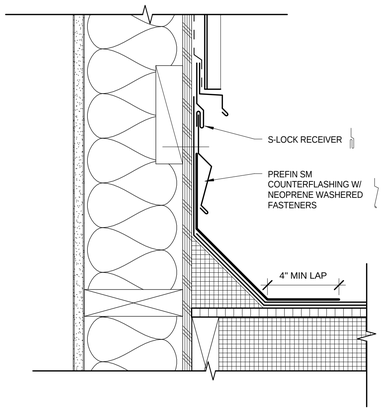
9 TYPICAL BUR TIE-IN

3" = 1'-0"



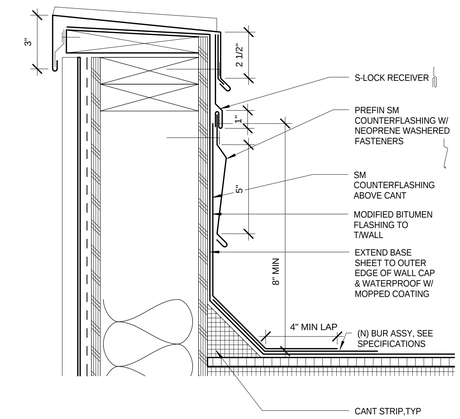
7 ROOF EDGE @ GUTTER BUR

3" = 1'-0"



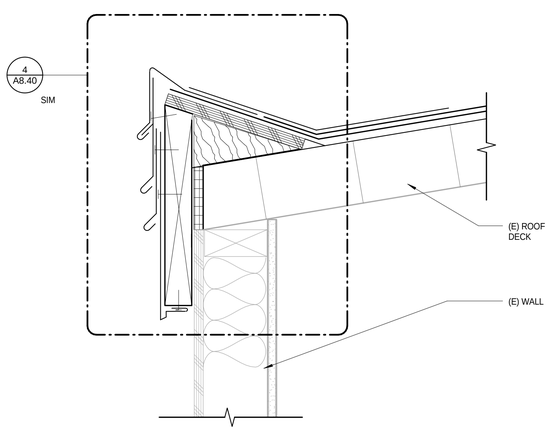
5 BUR_COUNTERFLASHING

3" = 1'-0"



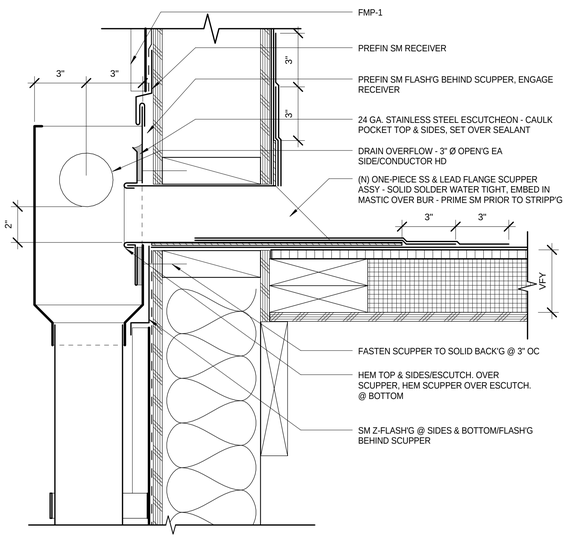
2 PARAPET @ FMP-1 BUR TALL

3" = 1'-0"



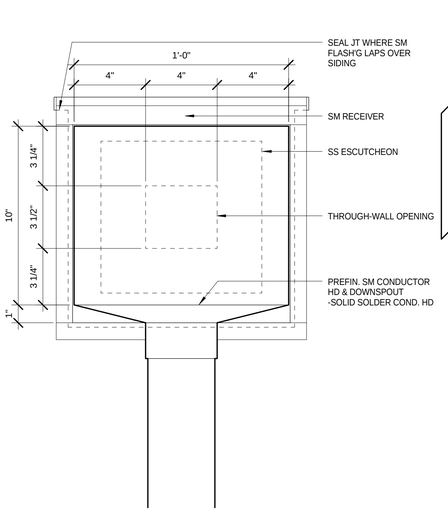
10 ROOF EDGE

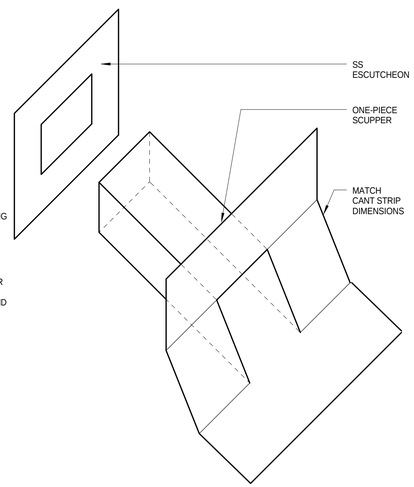
3" = 1'-0"



3 SCUPPER_FMP-1 BUR

3" = 1'-0"





2/26/2016 12:13:01 PM

CONSTRUCTION DOCUMENTS CIP NUMBER: 410.193.003

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A	ADDENDUM 1	26 FEB 2016

REVISIONS

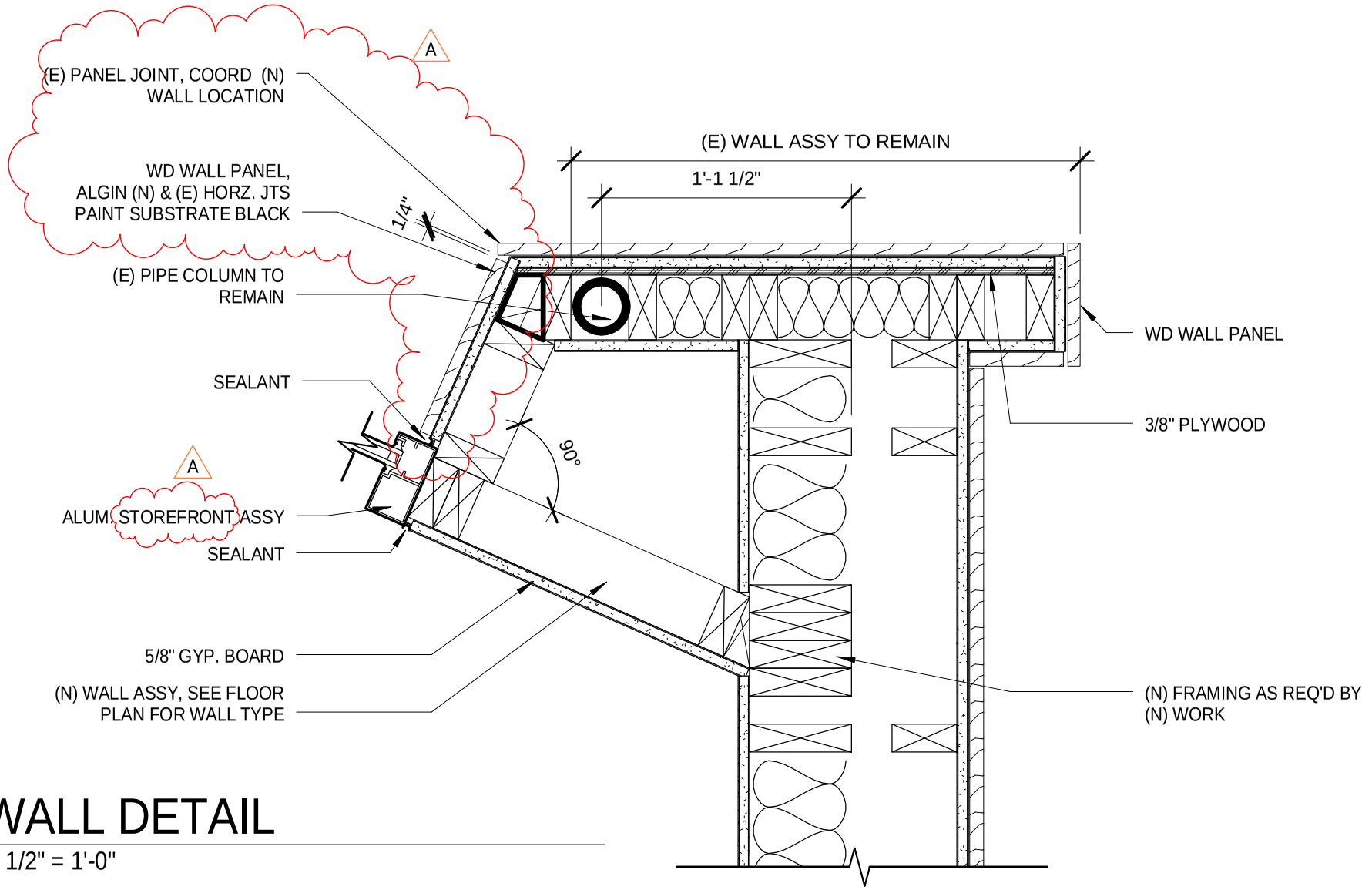
EUGENE SCHOOL DISTRICT 4J

GILHAM ELEMENTARY SCHOOL RENOVATION & EXPANSION PHASE 01

JOB NO: 15775
ISSUE DATE: 26 FEB 2016
DRAWN BY: Author
CHECKED BY: Checker

ROOF DETAILS

A8.42



4 WALL DETAIL

1 1/2" = 1'-0"

ADD-1.11

26 FEB 2016

PROJECT NO.: 15775

CIP: 410.193.003

SHT REF: 4/ A8.50

PROJECT: GILHAM ELEMENTARY SCHOOL RENOVATION & EXPANSION PHASE 01

3307 HONEYWOOD STREET EUGENE, OREGON 97408

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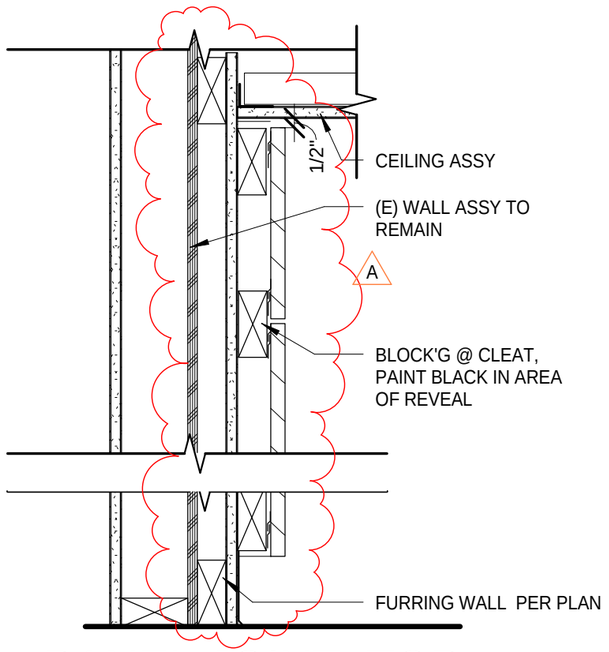
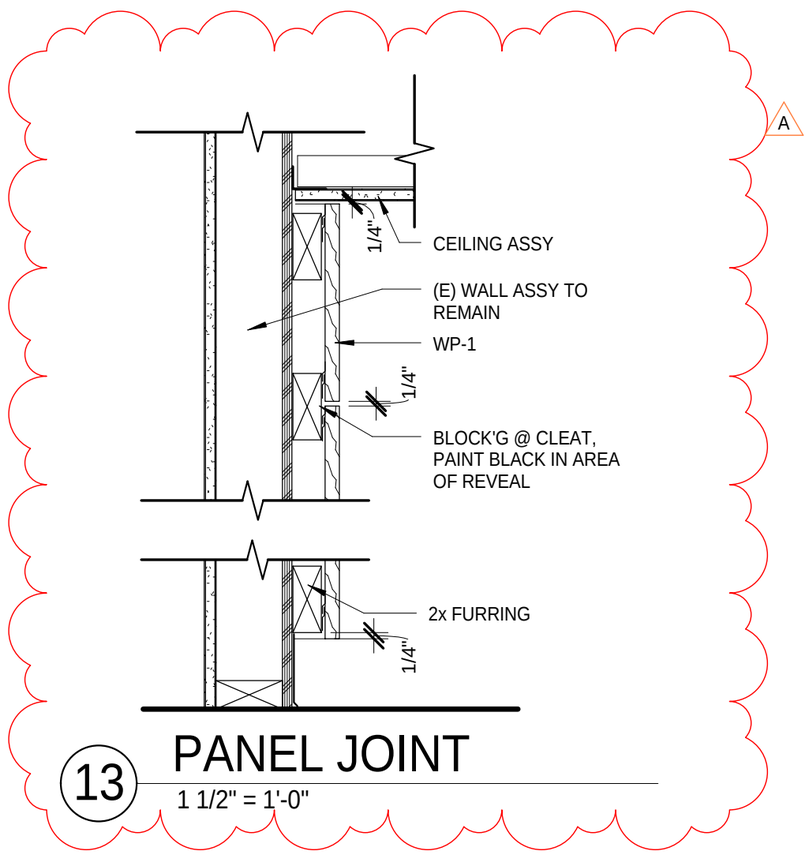


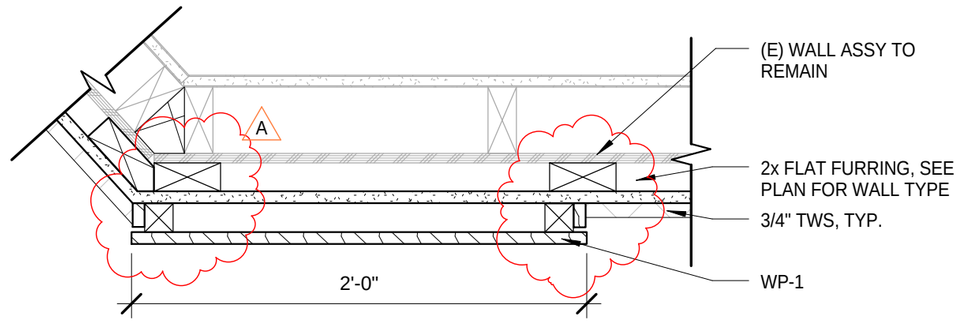
6 PANEL JOINT_TOP

1 1/2" = 1'-0"



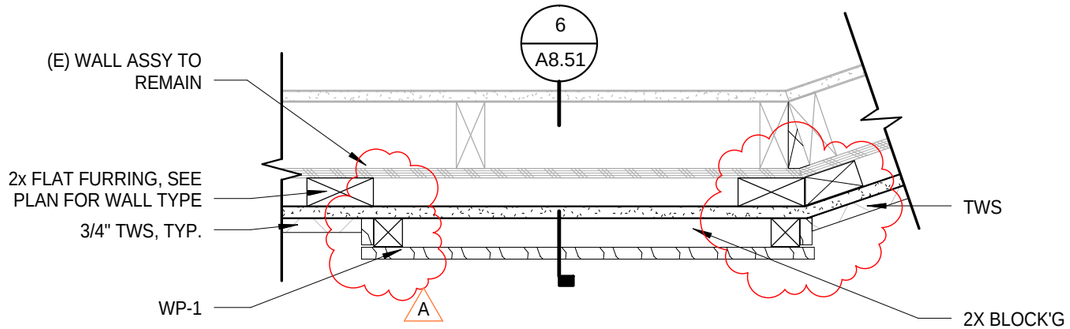
13 PANEL JOINT

1 1/2" = 1'-0"



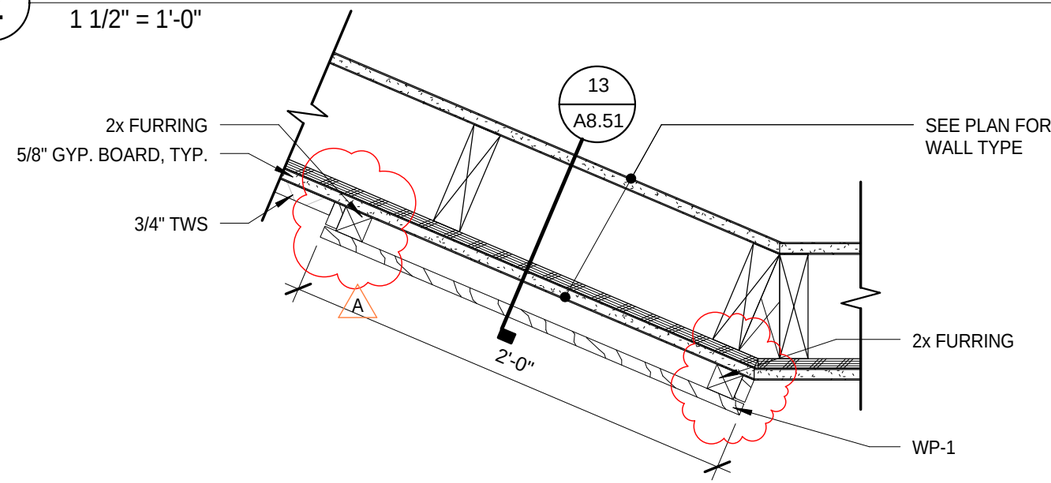
1 PANEL FURRING 1

1 1/2" = 1'-0"



2 PANEL FURRING 2

1 1/2" = 1'-0"



3 PANEL FURRING 3

1 1/2" = 1'-0"

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3307 HONEYWOOD STREET EUGENE, OREGON 97408

SHT REF: 1,2,3,6/ A8.51

CIP: 410.193.003

ADD-1.12

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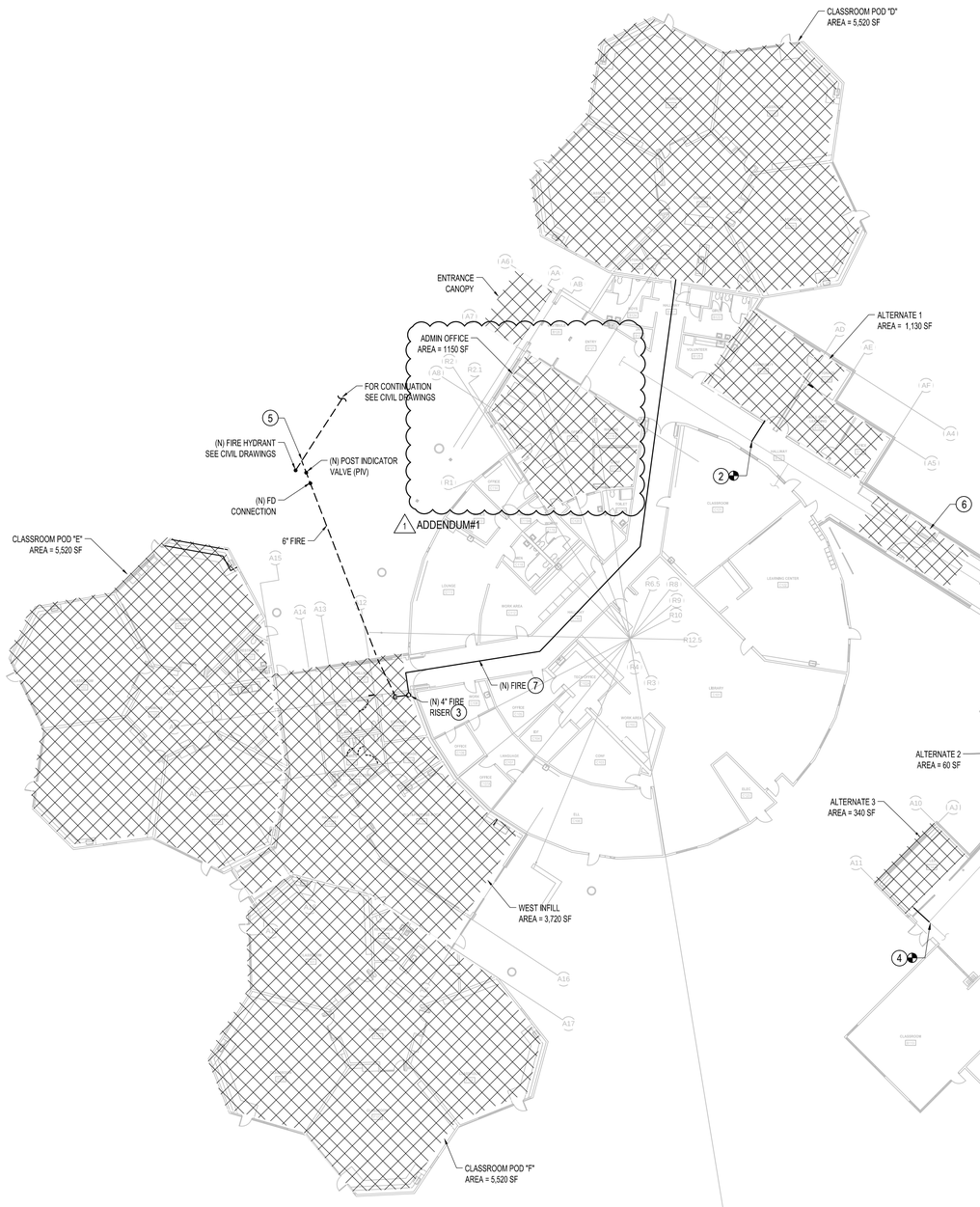
PROJECT NO.: 15775



KEYPLAN

GENERAL SHEET NOTES

1. FOR FIRE FLOW HYDRAULIC TEST DATA, SEE CIVIL DRAWINGS.
2. CONTRACTOR SHALL PROVIDE DETAILED DESIGN OF FIRE SPRINKLER SYSTEMS, INCLUDING TOTAL FLOW REQUIREMENTS AND CONFIRMATION OF ADEQUACY OF EXISTING PIPING FOR PEAK FLOW. DESIGN CALCULATIONS AND LAYOUT SHALL BE SUBMITTED AND COORDINATED AS DESCRIBED IN "FIRE PROTECTION NOTES" (THIS SHEET) AND IN THE SPECIFICATIONS.

KEYED SHEET NOTES

1. EXISTING RISER SUPPLIES THREE (3) 3" FIRE MAINS SERVING EXISTING BUILDINGS A, B, AND C.
2. CONNECT BRANCH FIRE MAIN TO NORTH INFILL AREA TO (E) 3" FIRE MAIN IN CORRIDOR CEILING. CONTRACTOR TO CONFIRM THIS NEW SPRINKLER AREA CAN BE ADDED TO (E) 3" MAIN.
3. NEW 4" RISER LOCATED IN RM C130 TO SERVE CLASSROOM PODS D, E, F AND WEST INFILL AREA. EXTEND NEW BRANCH FIRE MAIN TO CLASSROOM POD D IN CEILING OF EXISTING HALLWAY C110.
4. CONNECT BRANCH FIRE SPRINKLER PIPING TO (E) FIRE MAIN IN CORRIDOR CEILING. CONTRACTOR SHALL CONFIRM ADEQUACY OF (E) PIPE FOR NEW AND EXISTING CONDITIONS.
5. MAKE CONNECTION UPSTREAM OF HYDRANT SHUT-OFF VALVE. COORDINATE WITH SITE CIVIL PIPING CONTRACTOR.
6. CONTRACTOR SHALL IDENTIFY AND PERFORM ANY CHANGES REQUIRED TO (E) SPRINKLER PIPING IN THIS AREA CAUSED BY CONSTRUCTION OF NEW 2 HOUR PARTITION WALL.
7. BRANCH MAIN TO POD D SIZED BY FIRE PROTECTION CONTRACTOR.

GENERAL FIRE PROTECTION NOTES

1. THE AUTOMATIC SPRINKLER SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT EDITION OF NFPA 13, AND THE OREGON STRUCTURAL SPECIALTY CODE AS CURRENTLY ADOPTED. INSTALLATION OF THE SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION) HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION. AT VARIOUS STAGES AND UPON COMPLETION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF THE ENFORCING AGENCY. ALL SHOP DRAWINGS OF THE SPRINKLER SYSTEM SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL, PRIOR TO INSTALLATION.
2. COORDINATE LOCATIONS OF ALL SPRINKLER HEADS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS AND ELECTRICAL LIGHTING LAYOUT, PRIOR TO FABRICATION, SUBMIT LAYOUT DRAWINGS FOR ARCHITECTURAL ACCEPTANCE. COORDINATE LOCATIONS OF ALL SPRINKLER MAINS, BRANCH PIPING, ETC. WITH OTHER TRADES.
3. SPRINKLER HEAD TOLERANCE IN CEILING TILES IS +1" FROM CENTER OF TILE.
4. THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO AVOID CONFLICTS WITH DUCTS, LIGHTS, FIXTURES, PIPING, ETC.
5. THE UNDERGROUND PIPING SHALL BE INCLUDED ON SPRINKLER SHOP DRAWINGS AND CALCULATIONS SUBMITTED TO THE LOCAL FIRE MARSHALL FOR APPROVAL. HYDRAULIC CALCULATIONS SHALL INCLUDE THE PRESSURE HYDRANT USED FOR THE PROJECT FLOW TEST.
6. THE SPACING AND DETAILS OF THE SUPPORT AND BRACING OF THE FIRE SPRINKLER PIPING SHALL COMPLY WITH THE CURRENT EDITION OF NFPA 13 AND THE OREGON STRUCTURAL SPECIALTY CODE. PROVIDE ANCHORAGE DETAILS AND CALCULATIONS FOR THE CONNECTION OF SWAY BRACING TO THE STRUCTURE.
SEISMIC BRACING CALCULATIONS SHALL BE REFERENCED TO THE DRAWINGS AT EACH BRACE LOCATION.
7. PROVIDE MEANS OF YEARLY FORWARD FLOW TESTING.
8. CHAIN ALL FIRE CONTROL VALVES IN OPEN POSITION. THIS IS IN ADDITION TO PROVIDING TAMPER SWITCHES ON FIRE CONTROL VALVES. ALL PADLOCKS SHALL BE KEYED ALIKE. GIVE ALL KEYS TO OWNER AT PROJECT CLOSE-OUT.
9. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE-STOPPING SHALL BE AN APPROVED FACTORY ASSEMBLY.
10. POINT OF CONNECTION FOR EXTENDED SPRINKLER SYSTEM IN CLASSROOM PODS IS EXISTING 3-INCH MAIN PIPING IN HALLWAY B120 NEAR THE INTERSECTION WITH HALLWAY C110. CONTRACTOR TO CONFIRM LOCATION OF MAIN AND BEST POINT OF CONNECTION.
11. PROVIDE FIRE SPRINKLERS IN RESTROOM ADDITIONS ALONG CORRIDOR IN "B" BUILDING. POINTS OF CONNECTION WILL BE MAIN PIPING IN CORRIDOR.

13 FIRE PROTECTION COMPOSITE FLOOR PLAN
SCALE: 1" = 20'

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0' 4' 8' 16'

REVISIONS
1 ADDENDUM #1 02-26-2016

CONSTRUCTION DOCUMENTS

CIP NUMBER: 410.193.003

EUGENE SCHOOL DISTRICT 4J
GILHAM ELEMENTARY SCHOOL RENOVATION & EXPANSION
PHASE 01

JOB NO: 15775
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FIRE PROTECTION COMPOSITE FLOOR PLAN

FP101

PIPING LABELS

HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
CS	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RD	REFRIGERANT DISCHARGE (HOT GAS)
HGBP	REFRIGERANT HOT GAS BYPASS
LPS	LOW PRESSURE STEAM SUPPLY
LPC	LOW PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM SUPPLY
MPC	MEDIUM PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM SUPPLY
HPC	HIGH PRESSURE CONDENSATE
GLS	GROUND LOOP SUPPLY
GLR	GROUND LOOP RETURN
HCS	HEATING/CHILLED WATER SUPPLY
HCR	HEATING/CHILLED WATER RETURN
PC	PUMPED CONDENSATE
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
MU	MAKEUP WATER
D	EQUIPMENT DRAIN
NAME	MISCELLANEOUS
(E) NAME	EXISTING PIPING
(R) NAME	EXISTING PIPING TO BE REMOVED
(R) NAME	EXISTING PIPING TO BE REMOVED
1-1/4" PIPE	PIPE WITH SIZE CALLOUT

GENERAL SYMBOLS

@	AT
Ø	DIAMETER
,,	INCHES
&	AND
X°	X DEGREES (ANGLE)
1	KEYED NOTE DESIGNATION
3	OWNER'S EQUIPMENT NUMBER
10 / M301	DETAIL OR DETAIL REFERENCE
10 / M301	ELEVATION
6 / M301	SECTION TAKEN AT
AH-1	EQUIPMENT TAG

PIPE FITTINGS

	FLANGE
	UNION
	PIPING REDUCER
	PIPE SLEEVE
	PIPE ANCHOR
	ELBOW INTO PAPER PLANE
	ELBOW OUT OF PAPER PLANE
	TEE OUT OF PAPER PLANE
	TEE INTO PAPER PLANE
	PIPE CAP OR PLUG
	FLOW ARROW
	BREAK IN LINE

VALVES

	TWO WAY CONTROL VALVE
	THREE WAY CONTROL VALVE
	BALL VALVE
	GATE VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	NEEDLE VALVE
	GAS COCK
	CHECK VALVE
	SOLENOID VALVE
	PRESSURE REDUCING VALVE
	RELIEF(R), OR SAFETY(S) VALVE
	BALANCING VALVE
	AUTOMATIC FLOW LIMITING VALVE
	STRAINER, STRAINER W/BLOWOFF
	HOSE END DRAIN VALVE
	VALVE IN RISER
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
DCV	DOUBLE CHECK VALVE

HVAC SPECIALTIES

M	MOTORIZED CONTROL DAMPER
FS	FIRE/SMOKE DAMPER
FD	FIRE DAMPER
	DUCT LINER
SD1 8/8 200	SUPPLY DIFFUSER - TYPE, NECK SIZE AND CFM
RG1 8/8 200	RETURN GRILL - TYPE, NECK SIZE AND CFM
	RETURN AIR GRILLE WITH SOUND BOOT (SEE DETAIL)
EG1 8/8 200	EXHAUST GRILL - TYPE, NECK SIZE AND CFM
	DIFFUSER - LIGHT SECTIONS INDICATE DIRECTION OF AIR FLOW
T	DUCT OR PIPE MOUNTED TEMPERATURE SENSOR
SP	DUCT OR PIPE MOUNTED TEMPERATURE SENSOR
T	THERMOSTAT OR TEMPERATURE SENSOR
C	WALL MOUNTED CARBON DIOXIDE SENSOR
S	DUCT SMOKE DETECTOR
BI	DDC BINARY INPUT
BO	DDC BINARY OUTPUT
AI	DDC ANALOG INPUT
AO	DDC ANALOG OUTPUT
T1206	REHEAT COIL AIR TERMINAL UNIT CONTROLLER

PIPING SPECIALTIES

	FLEXIBLE PIPE CONNECTOR
	EXPANSION JOINT
	PRESSURE GAUGE
	THERMOMETER
AV	AUTOMATIC AIR VENT
MV	MANUAL AIR VENT
T	TEMPERATURE/PRESSURE TEST PORT
	SENSOR WELL
	HOSE BIBB
	PUMP, IN SCHEMATIC PRESENTATION
	STEAM TRAP
	POINT OF CONNECTION

DUCTWORK

DOUBLE LINE	SINGLE LINE	
		WYE BRANCH
ROUND / RECT		CONICAL TAP
		HEEL TAP (RECT)
W / R=W	R=1.5xW	RADIUS ELBOW
		EXHAUST AIR UP
		EXHAUST AIR DOWN
		RETURN AIR UP
		RETURN AIR DOWN
		SUPPLY OR OSA UP
		SUPPLY OR OSA DOWN
		MITER ELBOW
W 1 / W 2 / W 1+ W 2		MITER TEE
W / W 2 / W 1+ W 2		MITER ELBOW BRANCH
WxA / WxB / Wx(A+B)		MITER ELBOW BRANCH
		OFFSET
R	R	OFFSET UP (RISE)
D	D	OFFSET DOWN (DROP)
15° MAX		TRANSITION
		RECTANGULAR TO ROUND TRANSITION
12/8	10/6	RECTANGULAR DUCT WITH SIZE IN INCHES
12Ø	8Ø	ROUND DUCT WITH SIZE IN INCHES
(R) 12Ø	(R) 8Ø	DUCTWORK TO BE DEMOLISHED

ABBREVIATIONS

AC	AIR CONDITIONING
ACH	AIR CHANGES PER HOUR
AD	ACCESS DOOR
AF	AIR FOIL
AFF	ABOVE FINISHED FLOOR
AH	AIR HANDLING UNIT
ALT	ALTERNATE
AMP	AMPERE
AP	ACCESS PANEL
ARCH	ARCHITECTURAL
ASSY	ASSEMBLY
B	BOILER
BG	BELOW GRADE
BHP	BRAKE HORSEPOWER
BI	BASKWARD INCLINED
BLDG	BUILDING
BOP	BOTTOM OF PIPE
BS	BELOW SLAB
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
C	COMMON
CA	COMPRESSED AIR, COMBUSTION AIR
CAP	CAPACITY
CB	CIRCUIT BREAKER
CC	COOLING COIL
CD	CEILING DIFFUSER
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COND	CONDENSER, CONDENSATE
CONT	CONTINUATION
COP	COEFFICIENT OF PERFORMANCE
CTE	CONNECT TO EXISTING
CU	CONDENSING UNIT
DB	DRY BULB, OR DECIBEL
DDC	DIRECT DIGITAL CONTROL
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
(E)	EXISTING
EA	EACH, OR EXHAUST AIR
EAD	EXHAUST AIR DAMPER
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST GRILLE
ELEV	ELEVATION
ENT	ENTERING
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EWT	ENTERING WATER TEMPERATURE
EXT	EXTERIOR
F	FAHRENHEIT
FC	FORWARD CURVED
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPS
FLR	FLOOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET
G	NATURAL GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
GSM	GALVANIZED SHEET METAL
HC	HEATING COIL
HP	HORSEPOWER, OR HEAT PUMP
HZ	HERTZ
ID	INSIDE DIAMETER
IN	INCHES
KW	KILOWATTS
KWH	KILOWATT HOURS
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTG	MEETING
(N)	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN, OR NUMBER
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OSA	OUTSIDE AIR
OSAD	OUTSIDE AIR DAMPER
P	PUMP
PD	PRESSURE DROP
PH	PHASE
PLBG	PLUMBING
PLC	PROGRAMMABLE LOGIC CONTROL
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAGE
(R)	REMOVE
R	RADIUS
RA	RETURN AIR
RAD	RETURN AIR DAMPER
(RL)	RELOCATE
REQD	REQUIRED
RF	RETURN FAN
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SAD	SUPPLY AIR DAMPER
SCH	SCHEDULE
SF	SQUARE FEET
SHT	SHEET
SP	STATIC PRESSURE
SQ	SQUARE
SR	SPRING RANGE
SS	STAINLESS STEEL
STD	STANDARD
TDH	TOTAL DYNAMIC HEAD
TEMP	TEMPERATURE, OR TEMPORARY
TOS	TOP OF SLAB
TSP	TOTAL STATIC PRESSURE
TTC	TIGHT TO CEILING
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VA	VOLT-AMPERE
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
VV	VARIABLE VOLUME
W/	WITH
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAGE
W/O	WITHOUT

SHEET METAL NOTES

1. COORDINATE DUCTWORK ROUTING WITH WORK OF OTHER TRADES.
2. DUCTWORK SIZES ARE INTERIOR CLEAR DIMENSIONS. FIRST DIMENSION IS SIDE SEEN IN PLAN OR SECTION VIEW.
3. PROVIDE MINIMUM 5-PIECE ELBOWS FOR CHANGES IN DIRECTION OF ROUND DUCTS.
4. PROVIDE A MANUAL VOLUME DAMPER AT EACH SUPPLY, RETURN, AND EXHAUST AIR TERMINAL, LOCATED AS CLOSE TO THE BRANCH TAKEOFF AS POSSIBLE.
5. PROVIDE FLEXIBLE DUCT CONNECTORS AT INLET AND OUTLET OF FANS AND FAN COIL UNITS.
6. PROVIDE BETWEEN 3 AND 4' OF STRAIGHT DUCT AT INLET OF AIR TERMINAL UNITS, SAME SIZE AS ATU INLET.
7. MEDIUM PRESSURE DUCT BRANCHES FROM DUCT MAIN TO AIR TERMINAL UNITS SHALL HAVE CONICAL TAKEOFF WITHOUT VOLUME DAMPER.
8. DUCT SIZE TO AIR TERMINALS SHALL MATCH NECK SIZE UNLESS NOTED OTHERWISE. CONSIDER ROUND DUCT TO BE EQUIVALENT FOR THIS PURPOSE. EG, 8"Ø DUCT CONNECTS TO 8/8 NECK WITH SQUARE TO ROUND TRANSITION.
9. COORDINATE EXACT LOCATIONS OF CEILING MOUNTED AIR TERMINALS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
10. LOW-PRESSURE FLEXIBLE DUCT MAY BE PROVIDED AT CEILING DIFFUSERS, MINIMUM 3', MAXIMUM 6'. SEE DIFFUSER INSTALLATION DETAILS.
11. PROVIDE RECTANGULAR 90° DUCT ELBOWS WITH NON-AIR FOIL TURNING VANES.
12. SUPPORT DUCT RISERS AT EACH FLOOR.

INSULATION/LINING NOTES

1. COVER TRANSVERSE EDGES OF EXPOSED DUCT LINING WITH SHEET METAL NOSINGS, SEAL INTERNAL LONGITUDINAL SEAMS WITH ADHESIVE.
2. PROVIDE MINIMUM OF 8' ACOUSTIC LINER ON SUPPLY AND RETURN DUCTS AT EACH FAN UNIT. DUCT DIMENSIONS SHOWN ON PLANS ARE NET INSIDE DIMENSION, INCLUDING LINER.

1 ADDENDUM#1

GENERAL NOTES - MECHANICAL

1. COORDINATE VOLTAGE AND PHASE REQUIREMENTS FOR SCHEDULED MECHANICAL EQUIPMENT WITH DIVISION 16. REPORT CONFLICTS TO ENGINEER PRIOR TO SUBMITTAL REVIEW AND PURCHASE OF EQUIPMENT.
2. SEE ARCHITECTURAL DRAWINGS FOR FLASHING OF ROOF CAPS, CURBS, DRAINS AND PLUMBING VENTS.
3. PROVIDE ESCUTCHEON PLATES FOR EXPOSED PIPING PENETRATIONS AND SHEET METAL FLASHING FOR EXPOSED DUCTWORK PENETRATIONS.
4. PROVIDE AIRTIGHT SEAL AROUND PENETRATIONS INTO AIR PLENUMS.
5. DUCTWORK AND PIPING INSTALLED ADJACENT TO ELECTRICAL CABLE TRAYS SHALL ALLOW MINIMUM ACCESS OF 12" ABOVE AND 18" TO THE SIDE OF CABLE TRAYS. ACCESS OCCURS EVERY 6 FT.
6. THERMOSTATS AND SENSORS THAT REQUIRE ACCESS BY BUILDING OCCUPANTS SHALL BE MOUNTED AT 4'0" AFF PER ADA.
7. MECHANICAL CONTRACTOR SHALL PROVIDE PIPING AND DUCTWORK OFFSETS AS NEEDED TO MAINTAIN NEC REQUIRED CLEARANCES AROUND ELECTRICAL PANELS.

MECHANICAL EQUIPMENT INSTALLATION NOTES

1. VERIFY LAYOUT, INSTALLATION REQUIREMENTS, AND PHYSICAL DIMENSIONS OF ACTUAL EQUIPMENT PROVIDED TO ENSURE THAT ACCESS CLEARANCES CAN BE MET.
2. PROVIDE VIBRATION ISOLATION FOR VIBRATING EQUIPMENT HUNG FROM STRUCTURE. PROVIDE SEISMIC BRACING FOR EQUIPMENT WEIGHING GREATER THAN 75 POUNDS. USE CABLE SYSTEM TO ENSURE THAT BRACING DOES NOT SHORT-CIRCUIT VIBRATION ISOLATION.
3. MAINTAIN BOTTOM AND SIDE ACCESS CLEARANCE ON TERMINAL UNITS, FAN COIL UNITS, AND EXHAUST FANS.

PIPING NOTES

1. PROVIDE UNIONS OR FLANGES AT PIPING CONNECTIONS FOR EQUIPMENT, COILS, CONTROL VALVES, AND OTHER COMPONENTS TO ALLOW DISASSEMBLY FOR MAINTENANCE.
2. PROVIDE REDUCERS FROM LINE PIPE SIZE TO EQUIPMENT/COIL/CONTROL VALVE CONNECTION SIZE.
3. PIPE ROUTING INDICATED IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO SHOW EVERY OFFSET REQUIRED TO MAKE FINAL CONNECTION TO EQUIPMENT. CONTRACTOR SHALL DETERMINE THE EXACT ROUTE OF PIPING, INCLUDING OFFSETS, TO MAKE THE SIMPLEST AND MOST EFFICIENT PIPING SYSTEM.
4. PROVIDE DIELECTRIC NIPPLES AT CONNECTIONS OF DISSIMILAR PIPE MATERIALS.
5. SUPPORT PIPE RISERS AT EACH FLOOR.
6. SEE EQUIPMENT SCHEDULES FOR SIZE OF RUNOUTS TO COILS AND EQUIPMENT.

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MECHANICAL SYMBOLS & ABBREVIATIONS

M001

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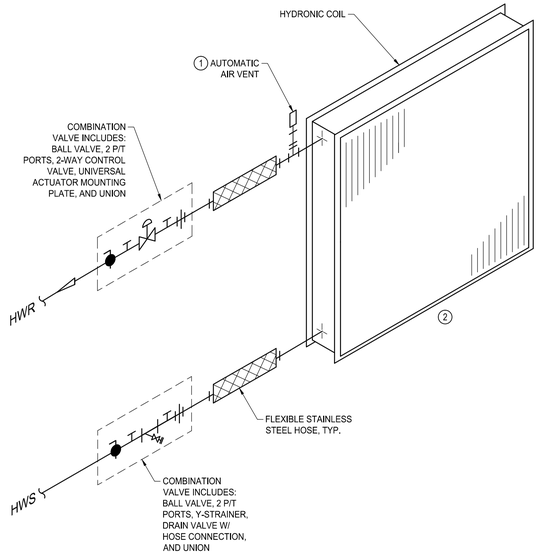

5 HEATING COIL CONNECTION DETAIL

SCALE: NONE

1 ADDENDUM#1

FLOW CONTROL VALVES

TAG	SERVICE	BASIS OF DESIGN		TYPE	FLUID	SIZE	FLOW		NOTES
		MANUFACTURER	MODEL			IN	GPM	Cv	
FCV-1	FCU-4 HTG/CLG COIL	NEXUS	UMA	2-WAY	HOT WATER	0.5	2.4	3.53	[1] [2]
FCV-2	FCU-5 HTG/CLG COIL	NEXUS	UMA	2-WAY	HOT WATER	0.5	2.6	3.53	[1] [2]
FCV-3	FCU-6 HTG/CLG COIL	NEXUS	UMA	2-WAY	HOT WATER	0.5	2.1	1.32	[1] [2]
FCV-4	HPU-1 HTG COIL	NEXUS	UMA	2-WAY	HOT WATER	0.5	1.2	1.32	[1] [2]
FCV-5	TU 1B-19 HTG COIL	NEXUS	UMA	2-WAY	HOT WATER	0.5	1.9	1.32	[1] [2]
FCV-6	TU 1B-20 HTG COIL	NEXUS	UMA	2-WAY	HOT WATER	0.5	1.9	1.32	[1] [2]

NOTES:
[1] PROVIDE CONTROL VALVE TOGETHER WITH ACCESSORY COMPONENTS AS A PACKAGE, NEXUS COIL PAK A2Y OR EQUAL.
[2] PROVIDE WITH LINE-SIZE FLEXIBLE STAINLESS STEEL HOSES, NEXUS ULTRAFLEX UFH OR EQUAL.

6 FLOW CONTROL VALVE SCHEDULE

SCALE: NONE

1 ADDENDUM#1

KEYED SHEET NOTES

1. PROVIDE DRIP TUBE FROM AUTOMATIC AIR VENTS TO NEAREST DRAIN, USING 3/8" TUBING.
2. PROVIDE CONDENSATE PAN AND DRAIN FOR EACH HYDRONIC COIL. CAP CONDENSATE DRAIN OUTSIDE CASING OF FAN COIL UNIT FOR FUTURE.

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MECHANICAL DETAILS

M501

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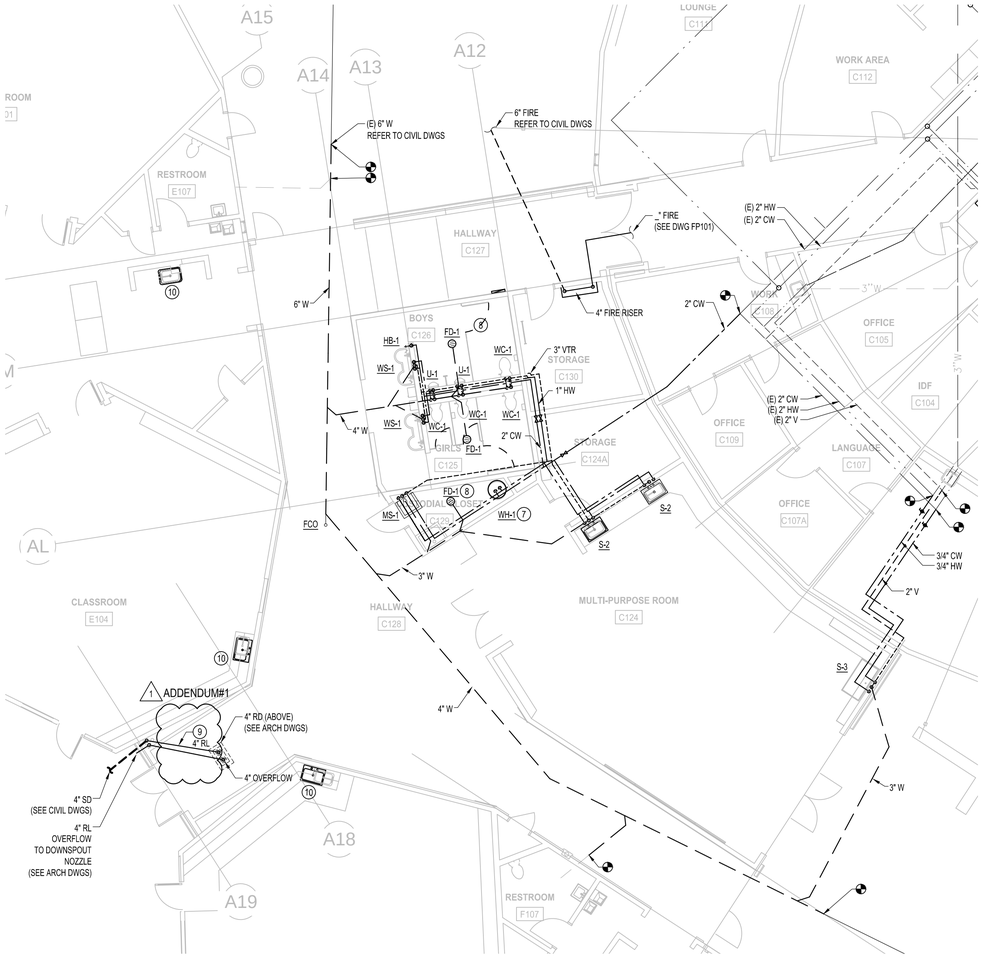
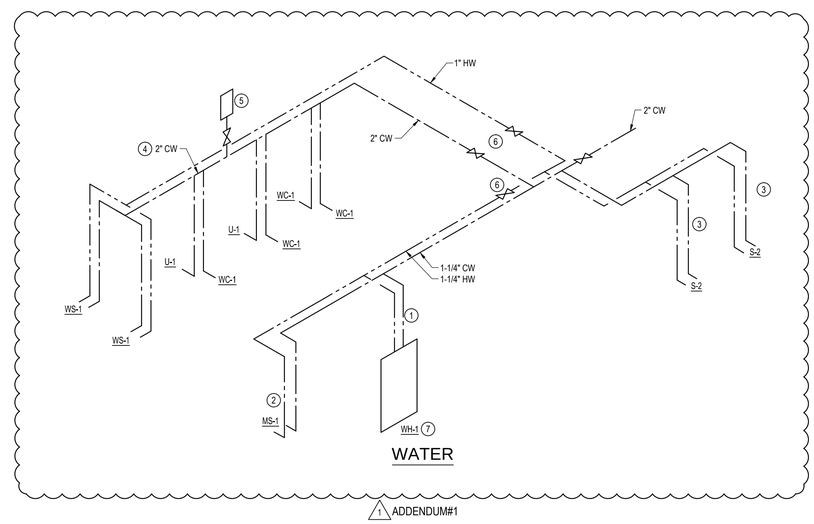
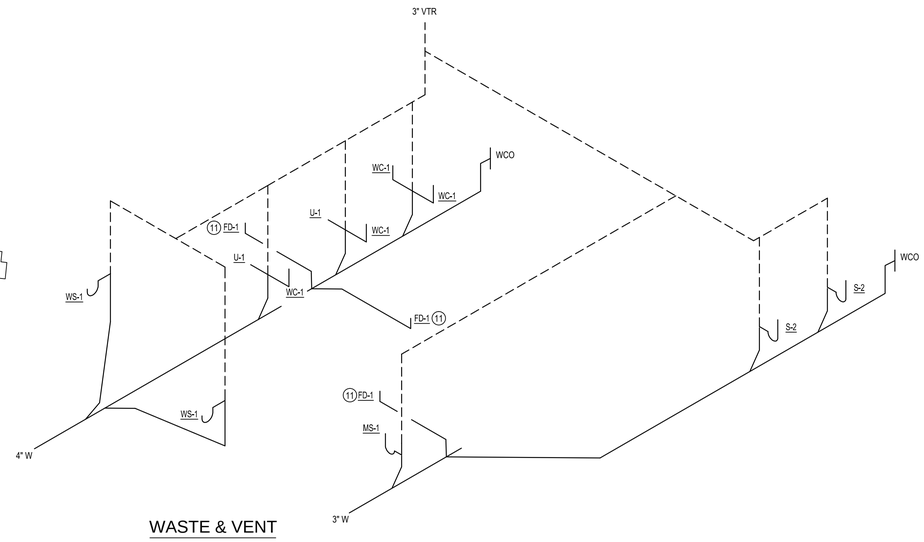


9 ENLARGED PLAN - RR/JANITOR/MULTIPURPOSE - C129, C124

SCALE: 1/8" = 1'





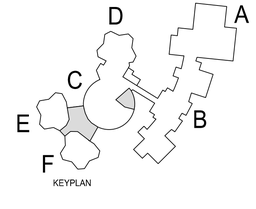
15 RISER DIAGRAMS - RESTROOMS C125, C126

SCALE: NONE

KEYED SHEET NOTES

1. 1" HW AND 1" CW DN TO WH-1.
2. 3/4" HW AND 3/4" CW DN TO MS-1.
3. 1/2" HW AND 1/2" CW DN TO S-2.
4. PROVIDE 2" CW HEADER TO SECOND U-1 BRANCH.
5. PROVIDE TYPE "C" WHA WITH SOV / AP.
6. SOVS LOCATED IN CEILING OF STORAGE C124B.
7. REFER TO DET 6/P501 FOR INSTALLATION, AND P001 FOR SCHEDULE.
8. SLOPE FLOORS TO FLOOR DRAINS AS REQUIRED BY OSPC 411.3. COORDINATE WITH GENERAL CONTRACTOR.
9. RAINWATER LEADER PIPING TO BE INSTALLED IN CEILING CAVITY.
10. REFER TO P101 FOR CLASSROOM SINK REPLACEMENT REQUIREMENTS.

1 ADDENDUM#1



KEYPLAN

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PLUMBING PART PLANS WEST (INFILL)

P102

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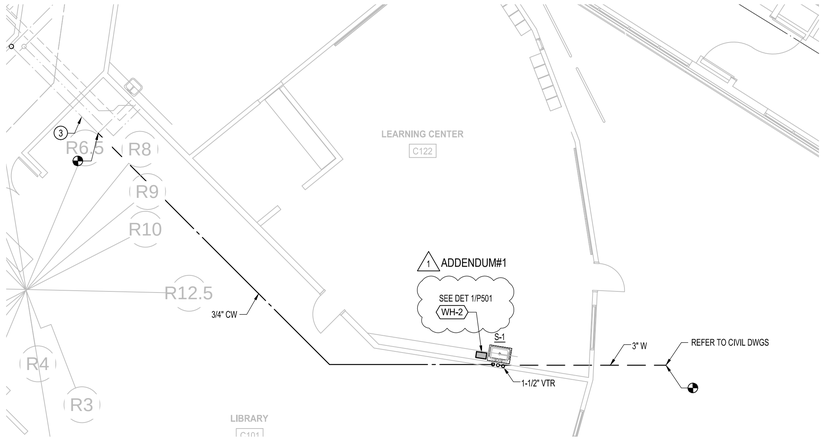
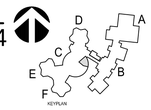
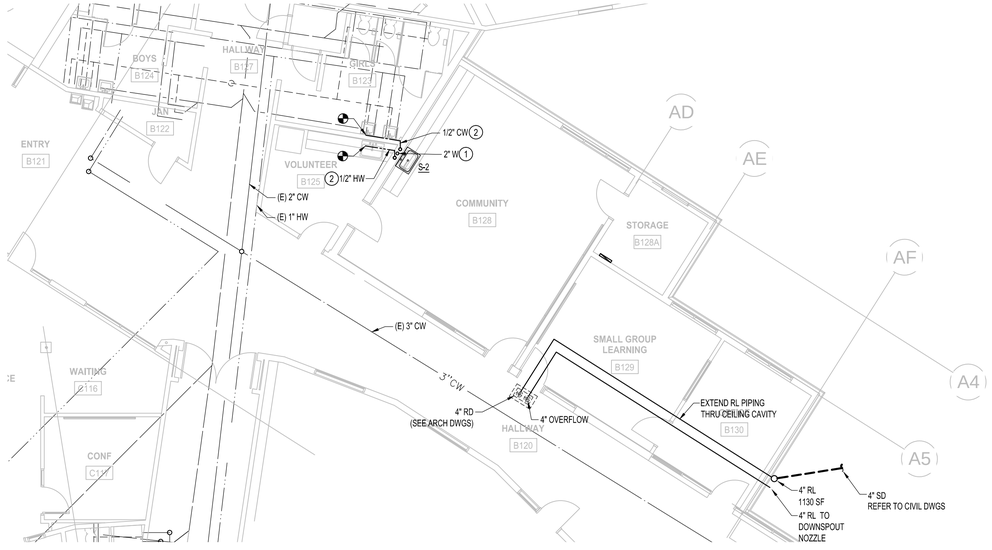


5 ENLARGED PLAN - LEARNING CENTER C122
SCALE: 1/8" = 1'

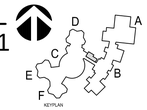
ALTERNATE 4





13 ENLARGED PLAN - COMMUNITY/SMALL LEARNING - B128,B129
SCALE: 1/8" = 1'

ALTERNATE 1



KEYED SHEET NOTES

1. CONNECT NEW 2" WASTE AND 1-1/2" VENT AT NEW SINKS TO (E) WASTE AND VENT PIPI AT (E) SINKS. FIELD VERIFY LOCATION AND TIE-IN POINTS AND NOTIFY ENGINEER OF CONDITIONS PREVENTING CONNECTIONS TO EXISTING PIPING.
2. CONNECT NEW 1/2" CW AND HW TO (E) CW AND HW PIPING AT (E) SINKS. FIELD VERIFY LOCATION AND TIE-INS.
3. CONFIRM SIZE OF (E) CW PIPE TO BE 3/4" MIN. IF SIZE LESS THAN 3/4", REPLACE APPROXIMATELY 14' OF (E) PIPE BACK TO CW HEADER AT HALLWAY C110.

GMA ARCHITECTS
860 West Park Street, Suite 300
Eugene, Oregon 97401
T (541) 344 9157

REGISTERED PROFESSIONAL ENGINEER #13759 OREGON JULY 16, 1981 EUGENE D. JOHNSON
EXP. DATE: 6/30/2017

SOLARC
engineering and energy + architectural consulting
223 West Twelfth Avenue
Eugene Oregon 97401
T: (541) 349-0966

0' 4' 8' 16'

CONSTRUCTION DOCUMENTS CIP NUMBER: 410.193.003

REVISIONS
1 ADDENDUM #1 02-26-2016

EUGENE SCHOOL DISTRICT 4J
GILHAM ELEMENTARY SCHOOL RENOVATION & EXPANSION PHASE 01

JOB NO: 15775
ISSUE DATE: 11 FEB 2016
DRAWN BY: GJ/KC
CHECKED BY: EDJ

PLUMBING PART PLANS NORTH INFILL

P104

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23 February 2016
3:00 PM

Mandatory PreBid Sign-In Sheet
4J Gilham Elementary School Renovation & Expansion

Eugene School District 4J
Eugene, OR

	NAME	COMPANY	EMAIL	PHONE
1	Loren Puckett	Umpqua Roofing	Rob@umpquaroofing.com	543-302 6850
2	Kevin Davis	NWWS	KEVIND@NWWSINC.COM	541-691 5924
3	Shawn Hathaway	NWWS	SHathaway@NWWSinc.com	541-687- 5837
4	DW Eschette	SCAFCO	DWEschette@scafco	541 206-1967
5	~~Pacific Excavation~~ CeeJay Schultz	Pacific Excavation	spencer@pacificexc.com	541-791-1911
6	BOB McDONALD	WILDISH BUILDING CO.	bobm@wildish.com	541-683-7759
7	BEN ELLIS	HARVEY & PRICE	bellis@harveyandprice.com	541-505-0329
8	DON HILBERT	CORP. INC.	JASON@CORPINCCONSTRUCTION.COM	503371-2453

23 February 2016
3:00 PM

Mandatory PreBid Sign-In Sheet
4J Gilham Elementary School Renovation & Expansion

Eugene School District 4J
Eugene, OR

	NAME	COMPANY	EMAIL	PHONE
9	Tina Ely, AIA	Ausdoms Group	tely@ausdomsgroup.com	541. 291. 7544
10	TIM GRIBBLE	PREFERRED CONST.	Timg@buildwithpci.com	541 726-8990
11	ERIK ZAPATA	2G CONSTRUCTION	djost@2gconstruction.com	(541)689-3850
12	Joe Murray	western States Elec	wsec@actionnet.net	(541) 265-8067
13	Joel Freeman	GBC Construction	Joel@Gbcconstruct.com	(541) 224-1501
14	Jerry Valenac	Bridgeway Contracting	jerryv@bridgewaycontracting.com	541-606-2574
15	Scott Lenker	REYNOLDS ELECTRIC	scott@reynoldselectric.com	541-852-7853
16	Jeramy Somogye	Earth Engineers, Inc.	jeramyS@earth-engineers.com	360 213-9669

23 February 2016
3:00 PM

Mandatory PreBid Sign-In Sheet
4J Gilham Elementary School Renovation & Expansion

Eugene School District 4J
Eugene, OR

	NAME	COMPANY	EMAIL	PHONE
1 17	Ray Aliperti	Earth Engineers, Inc. Testing and Inspection	ray@earth-engineers.com	541.525.6759
2 18	Matt Berkshire	Bingham Const.	Matt Berkshire @ Bingham construction .com	541 579-1004
3 19	Ron Harrison	Bineham Const. Inc	Ron@Bineham construction.com	541-579-1002
4 20	Travis Hopkins	Roofers Local 49	Travis10Hopkins@gmail.com	503 883-3656
5 21	Jason Krawczyk	LCG Pence	JasonK@LCGP.com	503 932 6591
6 22				
23				
24				