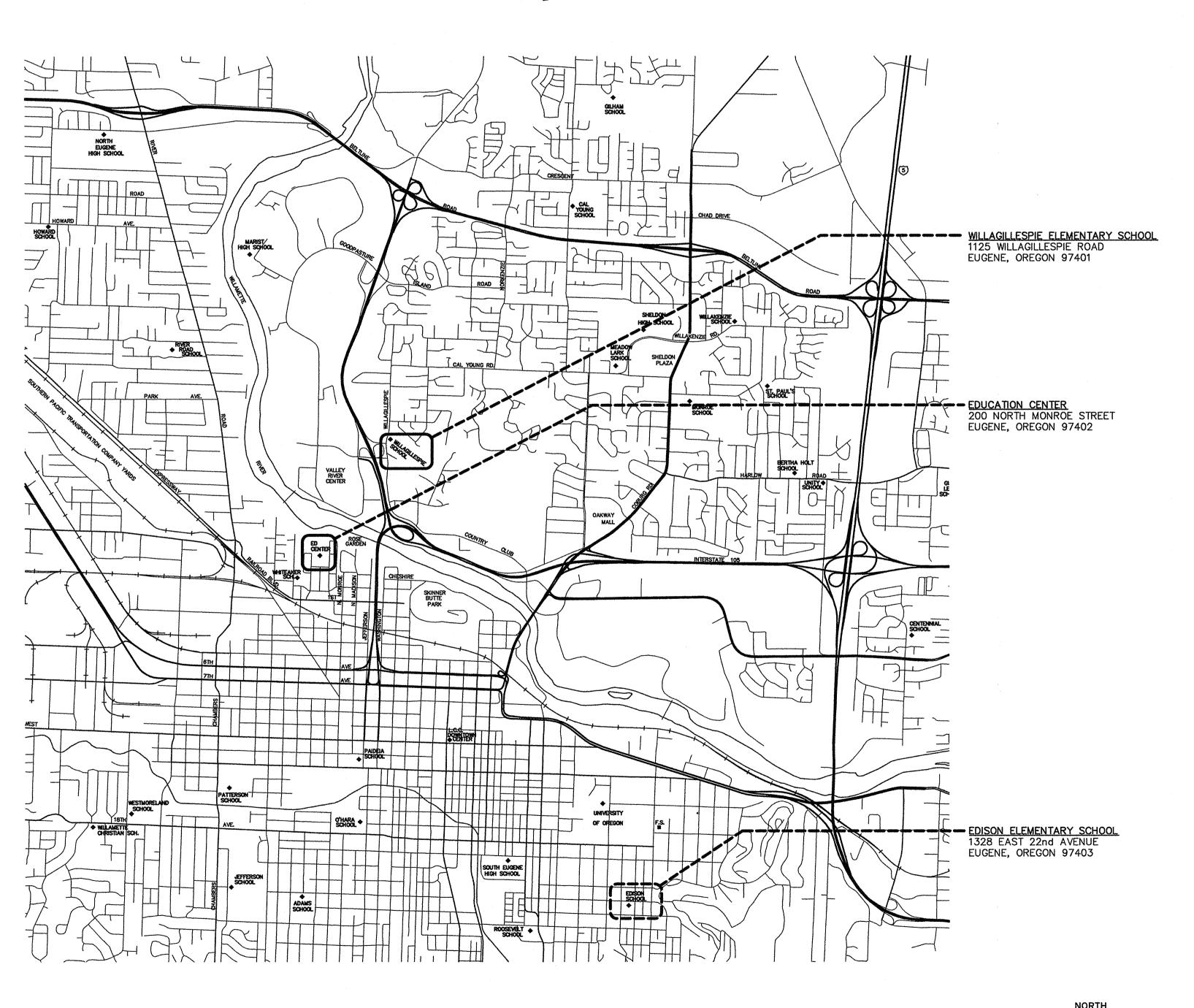
# Multisite Roofing 2015

C.I.P.#450.780.209

Edison Elementary School, Willagillespie Elementary School,

& Education Center

Eugene School Distinct 4J, Eugene, Oregon



**VICINITY MAP** 

**NOT TO SCALE** 

## **PROJECT TEAM**

EUGENE PUBLIC SCHOOL DISTRICT 4J 715 W. 4th AVENUE EUGENE, OREGON 97402 541-790-7417 541-790-7420 (FAX)

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#### MECHANICAL ENGINEER

MOULDS MECHANICAL ENGINEERING 2190 W. 11TH AVENUE EUGENE, OREGON 97402 541-484-0241 541-484-0191 (FAX)

#### SHEET INDEX

G1 COVER SHEET, DRAWING INDEX, VICINITY MAP

- EDISON ELEMENTARY SCHOOL ROOF PLANS

- C2 EDUCATION CENTER ROOF DETAILS C3 EDUCATION CENTER ROOF DETAILS

#### **MECHANICAL**

M1 MECHANICAL PLANS

#### **ABBREVIATIONS**

**ALUMINUM** BLKG BLOCKING BETWEEN BUILT-UP ROOF CONTINUOUS CONT COUNTERFLASHING CNTRFLSHG DOWNSPOUT **EXISTING** EACH **EQUAL EXPANSION** FLSHG FLASHING GALVANIZED GALV GALVANIZED IRON INSUL INSULATION JOINT(S) MODIFIED BITUMEN **MANUFACTURER** MINIMUM NOT TO SCALE OC ON CENTER PLATE PLYWOOD PRESSURE TREATED PRE-FINISHED REQ'D REQUIRED SIMILAR SHEET METAL STAINLESS STEEL TYPICAL UNLESS OTHERWISE NOTED U.N.O. **VERT** VERTICAL

VERIFY IN FIELD

WINDOW

### **SYMBOLS**

KEYED NOTE REFERENCE

DETAIL REFERENCE

**EXTERIOR ELEVATION** REFERENCE

#### **CODE INFORMATION**

APPLICABLE CODE:

2010 OREGON STRUCTURAL SPECIALTY CODE — BASED ON 2009 INTERNATIONAL BUILDING CODE

SCHOOL CLASSROOMS: E

OCCUPANCY:

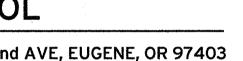
EDUCATION CENTER:

CONSTRUCTION TYPES: EDISON ELEMENTARY SCHOOL: WILLAGILLESPIE ELEMENTARY SCHOOL:

Architects Sherwood

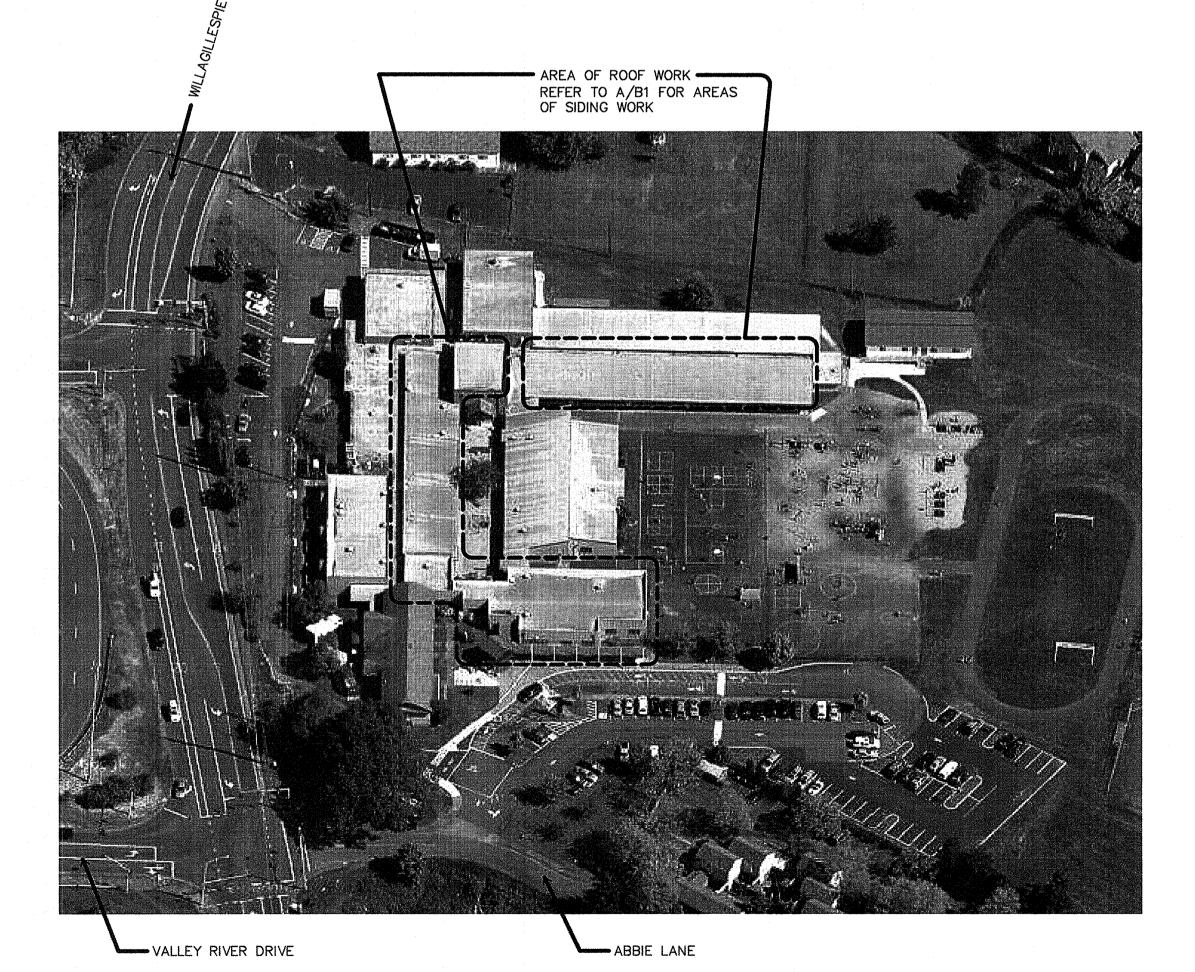
Robertson

COVER SHEET
DRAWING INDEX
VICINITY PLAN



NOT TO SCALE

1328 E. 22nd AVE, EUGENE, OR 97403



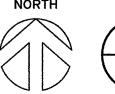
SEE SHEET A-- FOR AREAS OF WORK

G2

## **AERIAL VIEW: WILLAGILLESPIE ELEMENTARY SCHOOL**

NOT TO SCALE

1125 WILLAGILLESPIE RD., EUGENE OR 97401





AREA OF WORK

200 N. MONROE ST., EUGENE, OR 97402

## SCOPE OF WORK

#### EDISON ELEMENTARY SCHOOL

- 1. EXISTING BUILT-UP ROOF TO REMAIN. CUT OUT BLISTERS AND OTHER DEFECTS. FILL VOIDS FROM CUTOUTS AND REPAIR VAPOR RETARDER WHERE DAMAGED.
- 2. REMOVE AIR VENTS, ROOF VENTS AND OTHER EQUIPMENT AS REQUIRED TO EXTEND CURBS AND INSTALL FLASHINGS AS INDICATED ON DRAWINGS. REPLACE MOPPED—IN COLLAR FLASHINGS WITH NEW.
- 3. INSTALL NEW COVER BOARD, SINGLE-PLY UP ROOF, METAL ROOF PANELS, FLASHINGS, AND OTHER ITEMS AS DETAILED AND SPECIFIED.
- 4. REINSTALL EQUIPMENT AND FLASHINGS SALVAGED FOR REUSE. PAINT NEW AND EXISTING ROOFTOP EQUIPMENT AND SHEET METAL EXCEPT PRE-FINISHED METAL.

#### WILLAGILLESPIE ELEMENTARY SCHOOL

- 1. REMOVE EXISTING ROOF MATERIAL AND SHEET METAL DOWN TO DECK. USE HAND SPUDDING DEMOLITION ONLY; DO NOT USE MECHANICAL SPUDDING. DO NOT SAW CUT ROOF. PROTECT MATERIALS TO BE REUSED.
- 2. REMOVE AIR VENTS, ROOF VENTS AND OTHER EQUIPMENT AS REQUIRED TO EXTEND CURBS AND INSTALL FLASHINGS AS INDICATED ON DRAWINGS. REPLACE MOPPED-IN COLLAR FLASHINGS WITH NEW.
- 3. INSTALL NEW BUILT-UP ROOF, FLASHINGS, AND OTHER ITEMS AS DETAILED AND SPECIFIED.
- 4. REINSTALL EQUIPMENT AND FLASHINGS SALVAGED FOR REUSE. PAINT NEW AND EXISTING ROOFTOP EQUIPMENT AND SHEET METAL EXCEPT PRE-FINISHED METAL.
- 5. REMOVE BATTEN TRIM BOARDS AND CAULKING MATERIALS WHERE NEW SIDING IS SHOWN TO BE INSTALLED.
- 6. SAWCUT AND REMOVE LOWER 12" OF SIDING AND REPLACE WITH NEW PLYWOOD TO MATCH EXISTING THICKNESS.
- 7. REMOVE WOOD SIDING SHOWING SIGNS OF WATER DAMAGE AND PATCH WITH NEW PLYWOOD SHEATHING WHERE INDICATED ON DRAWINGS.
- 8. REMOVE AND REINSTALL SURFACE MOUNTED ITEMS, INCLUDING SURFACE MOUNTED CONDUIT, AS REQUIRED TO INSTALL NEW SIDING.
- 9. INVESTIGATE ORIGINAL INSTALLATION OF ROOF DRAIN COLLECTOR BOXES AT RESTROOMS (ROOF NO. 4) AND SOUTH WING (ROOF NO. 5) TO SEE IF THEY CAN BE REMOVED INDEPENDENT OF THE SIDING INSTALLATION. IF THE BOXES CANNOT BE REMOVED IN FUTURE WITHOUT IMPACTING NEW SIDING, FABRICATE WITH 24 GÁ PRE-FINISHED SHEET METAL AND INSTALL NEW ROOF DRAIN COLLECTOR BOXES TO MATCH EXISTING CONFIGURATION
- 10. INSTALL NEW UNDERLAYMENT, METAL WALL PANELS AND FIBER CEMENT SIDING, AND ASSOCIATED FLASHING, TRIM, AND OTHER ITEMS AD DETAILED AND SPECIFIED.

#### **EDUCATION CENTER**

- 1. REMOVE EXISTING McQUAY EVAPORATIVE CONDENSER SYSTEM (HVAC-2) AND PROTECT FOR REINSTALLATION. REMOVE ASSOCIATED DUCTWORK AND DUCTWORK SUPPORTS. HVAC-1 TO REMAIN IN PLACE, SEE SHEET M1 FOR ADDITIONAL DEMOLITION INFORMATION.
- 2. REMOVE EXISTING ROOF MATERIAL AND SHEET METAL DOWN TO DECK. USE HAND SPUDDING DEMOLITION ONLY; DO NOT USE MECHANICAL SPUDDING. DO NOT SAW CUT ROOF. PROTECT MATERIALS TO BE REUSED.
- 3. REMOVE AIR VENTS, ROOF VENTS AND OTHER EQUIPMENT AS REQUIRED TO EXTEND CURBS AND INSTALL FLASHINGS AS INDICATED ON DRAWINGS. REPLACE MOPPED—IN COLLAR FLASHINGS WITH NEW.
- 4. RAISE MECHANICAL AND ELECTRICAL DEVICES AS SHOWN ON DRAWINGS. SEE SHEET M1 FOR ADDITIONAL INFORMATION.
- 5. MODIFY HVAC-2 STRUCTURAL SUPPORTS AND INSTALL NEW DUCTWORK SUPPORTS.
- 6. INSTALL NEW SINGLE-PLY ROOF, FLASHINGS, AND OTHER ITEMS AS DETAILED AND SPECIFIED.
- 7. REINSTALL EQUIPMENT AND FLASHINGS SALVAGED FOR REUSE. PAINT NEW AND EXISTING ROOFTOP EQUIPMENT AND SHEET METAL EXCEPT PRE-FINISHED METAL.
- 8. REINSTALL HVAC-2 AND INSTALL DUCTWORK.

## **GENERAL NOTES**

- 1. PROTECT EXISTING BUILDINGS, YARDS, AND ADJACENT ROOF SURFACES FROM DAMAGE AND DEBRIS. REPAIR DAMAGE OCCURRING DURING THE WORK.
- 2. BUILDING DIMENSIONS AND LOCATIONS OF ROOF PENETRATIONS ARE APPROXIMATE. VERIFY DIMENSIONS, LOCATIONS, AND QUANTITIES
- 3. INSPECT ROOF SUBSTRATE FOR DECAY AND REPORT UNSATISFACTORY CONDITIONS TO ARCHITECT FOR REMEDY.
- 4. MAINTAIN TEMPORARY WATERPROOF COVERINGS UNTIL ROOFING IS COMPLETE.
- 5. REPAIR EXISTING CEILINGS AND LIGHT FIXTURES DAMAGED DURING TEAR-OFF, SEISMIC UPGRADES, AND REROOFING WORK.
- 6. VERIFY LOCATIONS OF STAGING AREAS WITH OWNER.
- 7. DETAILS SHOW MINIMUM REQUIREMENTS FOR ROOFING COMPONENTS. FOLLOW SELECTED MANUFACTURER'S REQUIREMENTS WHEN THEY EXCEED THESE MINIMUMS.
- 8. DISCONNECT ELECTRICITY IN CONDUITS AFFECTED BY THE WORK, INCLUDING POWER TO MECHANICAL UNITS. RECONNECT AND TEST OPERATION OF UNITS. ELECTRICAL WORK SHALL BE PERFORMED BY LICENSED ELECTRICAL CONTRACTOR.
- 9. AT CHANGES IN ROOF PLANE, EASE EDGES WITH CANT STRIPS AND TAPERED EDGE STRIPS.
- 10. WHERE EXISTING WOOD ROOF DECKING IS EXPOSED FROM INTERIOR SPACE BELOW, INSTALL PLASTIC SHEETING TO CATCH DEBRIS DURING DEMOLITION. AFTER PLASTIC IS REMOVED. ENSURE THAT ALL STAPLES AND/OR TAPE FASTENERS ARE ALSO REMOVED.

## **FASTENING SCHEDULE**

MODIFIED BITUMEN FLASHING:

METAL FLANGES AT AIR VENTS:

PRE-FINISHED SHEET METAL SKIRTS AT EXHAUST FANS: PRE-FINISHED FLASHING AND COUNTERFLASHING:

SURFACE MOUNT REGLETS TO CONCRETE OR MASONRY: CONTINUOUS CLEATS AND REGLETS TO WOOD:

SPLASH PANS:

PLYWOOD BACKING:

OVERFLOWS, SCUPPER DRAINS, DOWNSPOUT DROPS: METAL GRAVEL STOP:

**GUTTERS TO FASCIAS:** 

LARGE HEAD SIMPLEX OR APPROVED NAILS VERTICAL SURFACES: 4" O/C

HORIZONTAL. SURFACES: 8" O/C

LARGE HEAD HOT DIPPED 12 GA GALV ROOFING NAILS AT 4" O/C

PRE-FINISHED SHEET METAL SCREWS WITH NEOPRENE WASHERS AT 8" O/C PRE-FINISHED SHEET METAL SCREWS WITH NEOPRENE WASHERS AT 24" O/C

COMPRESSION PINS AT 8" O.C. AT REGLET. FILL SEALANT RECEPTACLE WITH SEALANT.

GALVANIZED NAILS AT 12" O.C.

(2) POP RIVETS TO SHEET METAL COUNTERFLASHING WHERE POSSIBLE; OTHERWISE, SET IN

10d GALV NAILS AT 12" OC AT WOOD FRAMING. AT CONCRETE OR CMU: COMPRESSION PINS AT 18" OC, STAGGERED PATTERN

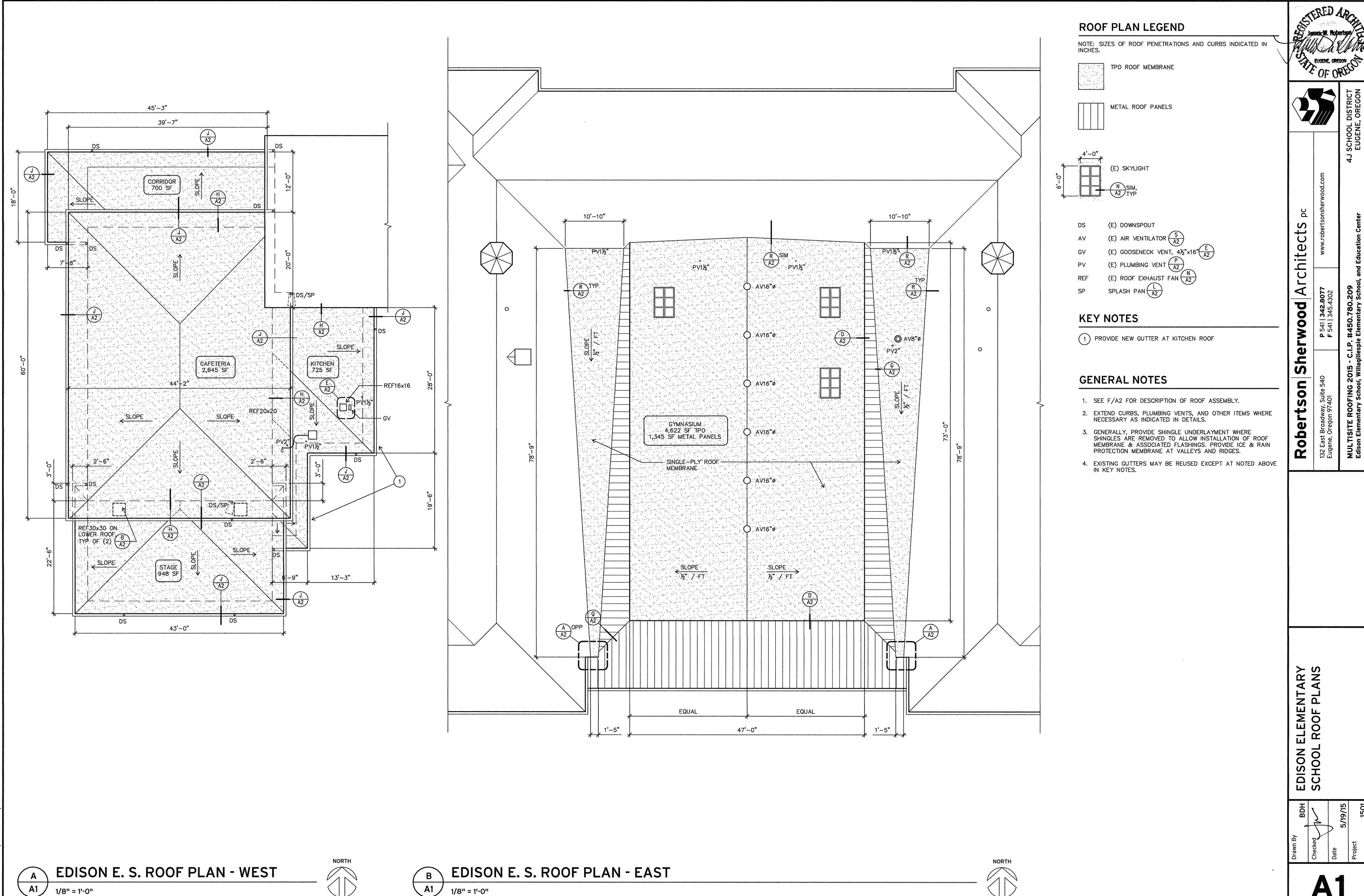
LARGE HEAD HOT DIPPED 12 GA GALVANIZED ROOFING NAIL AT EACH CORNER

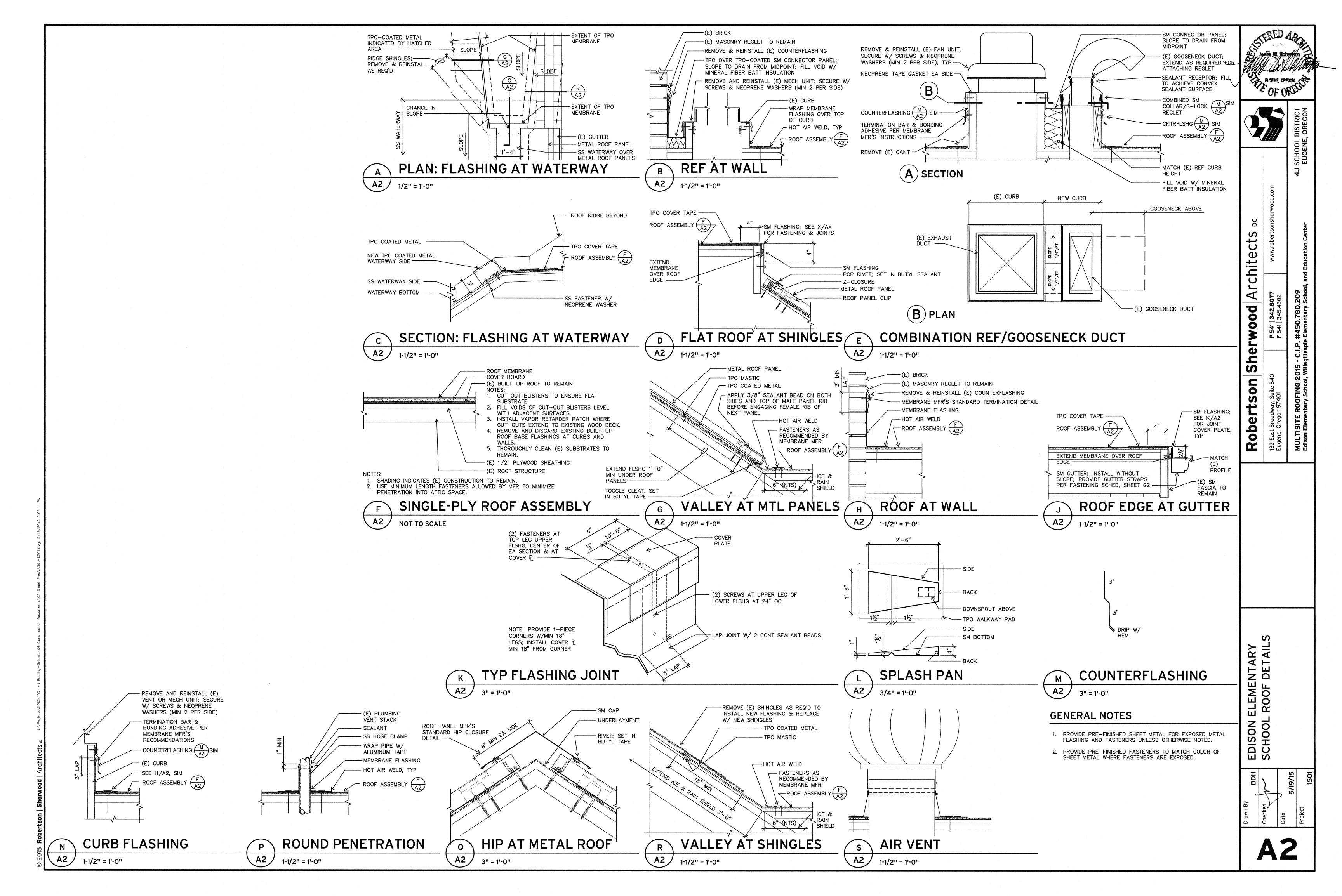
LARGE HEAD HOT DIPPED 12 GA GALVANIZED ROOFING NAIL AT 3" OC; STAGGERED PATTERN. REFER TO DETAIL W/B6, SIMILAR

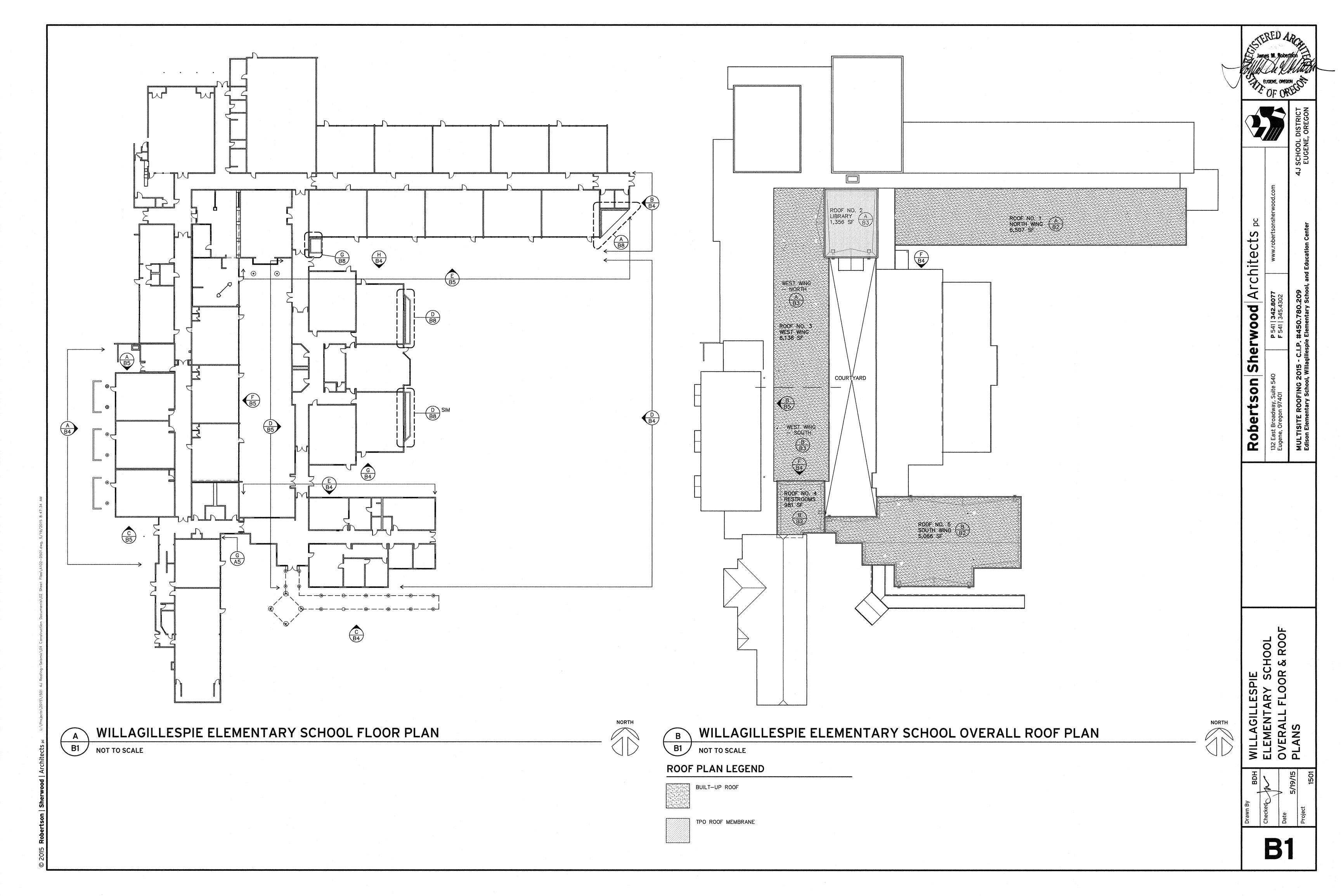
CONCEALED STRAP FASTENERS AT 3'-0" OC WITH PRE-FINISHED SHEET METAL SCREWS WITH NEOPRENE WASHERS BELOW EDGE METAL. DOUBLE UP STRAPS LAT 6' OF GUTTER.

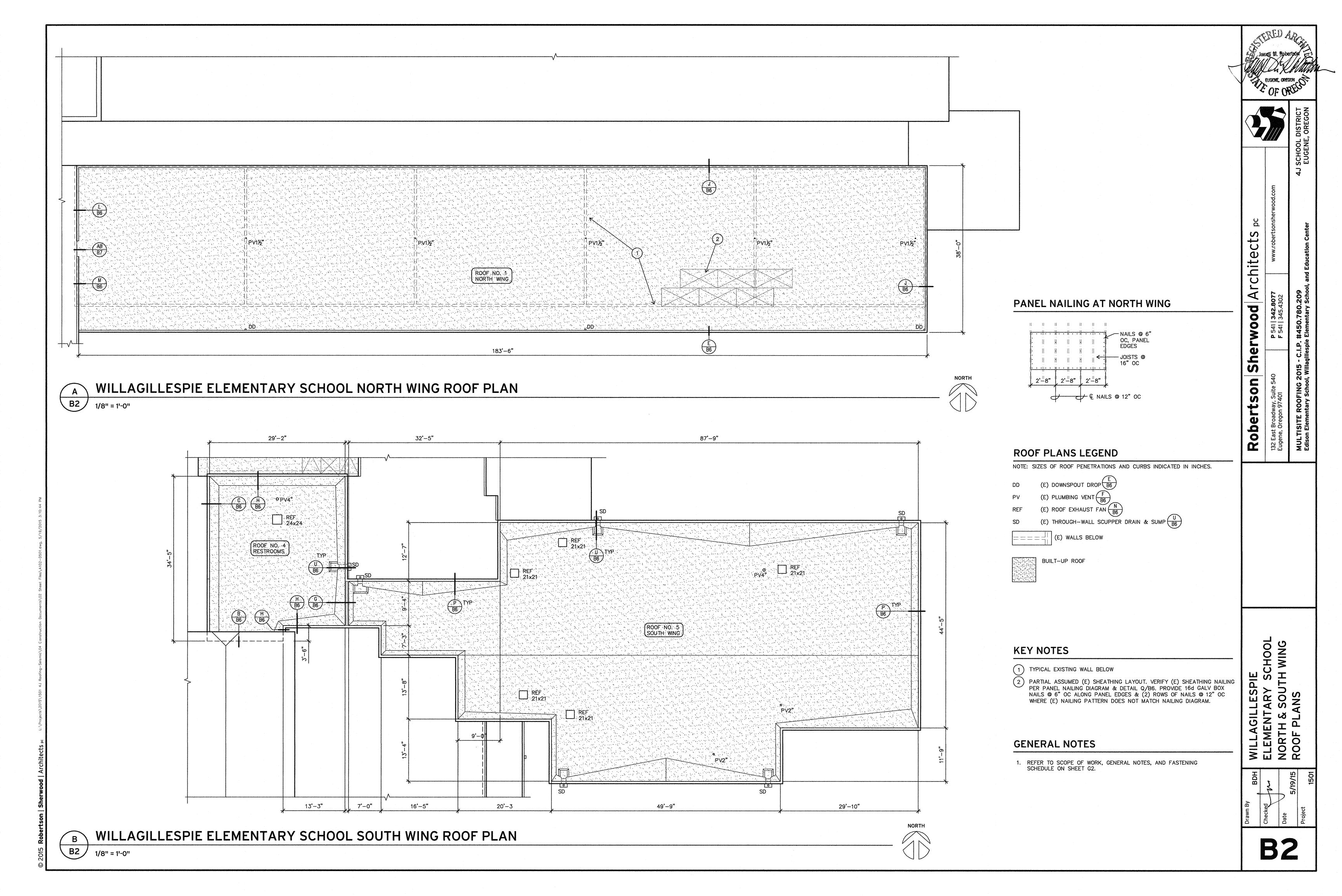
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Q D









**KEY NOTES** 

1) IN ADDITION TO TO TYPICAL ROOF SHEATHING NAILING PATTERN, INSTALL 16d NAILS AT 6" OC OVER (E) WALL BELOW Q B6

(E) CONC WALL BELOW; NAIL SHEATHING TO 2x LEDGER

3 2x14 ROOF JOISTS BELOW

#### **GENERAL NOTES**

1. REFER TO SCOPE OF WORK, GENERAL NOTES, AND FASTENING SCHEDULE ON SHEET G2.

**ROOF PLANS LEGEND** 

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

(E) AIR VENTILATOR  $\frac{\hat{B}}{B6}$ 

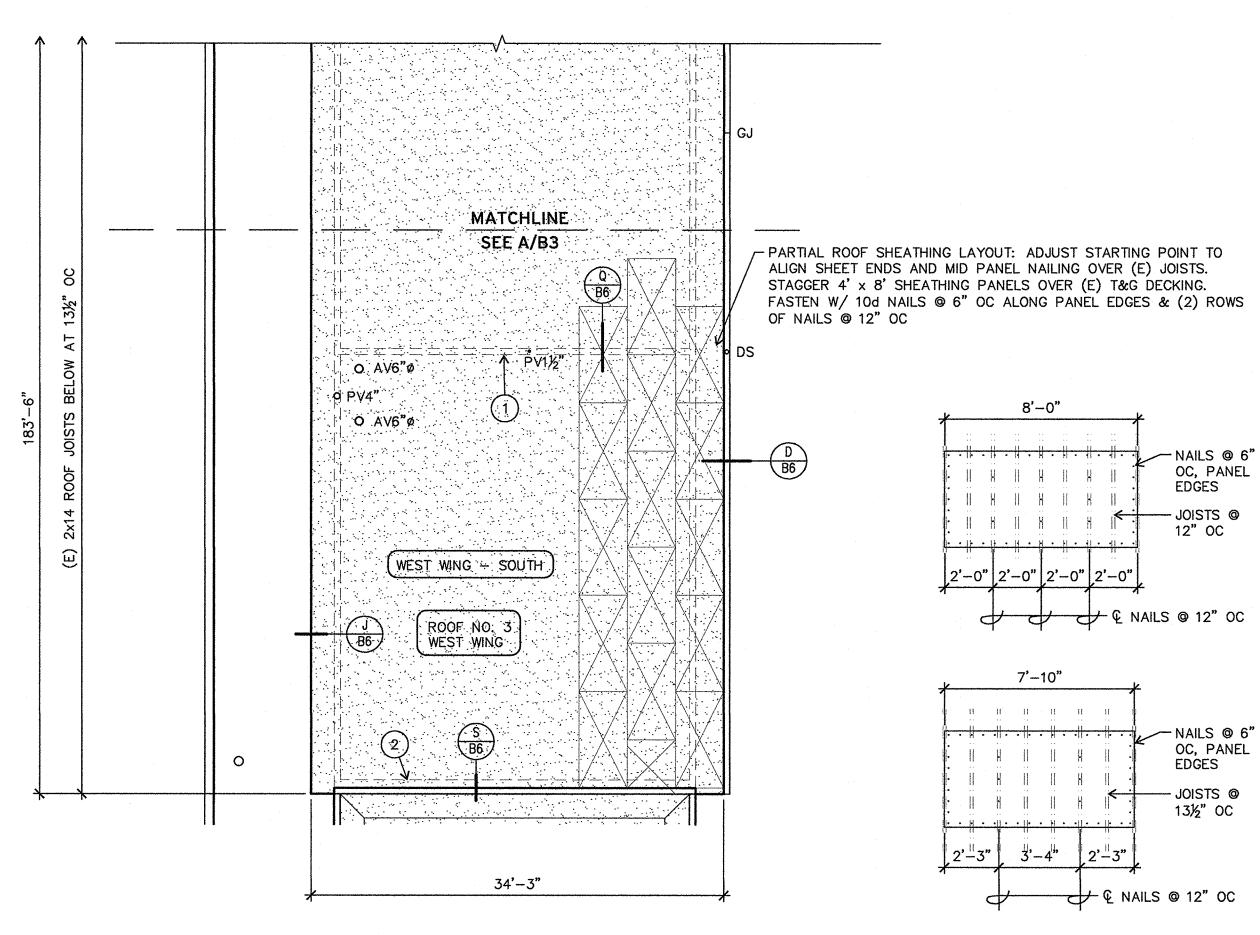
(E) PLUMBING VENT  $\frac{r}{B6}$ 

(E) THROUGH-WALL SCUPPER DRAIN & SUMP  $\frac{A}{B7}$ 

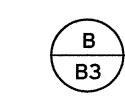
====|| (E) WALLS BELOW

BUILT-UP ROOF

TPO ROOF MEMBRANE

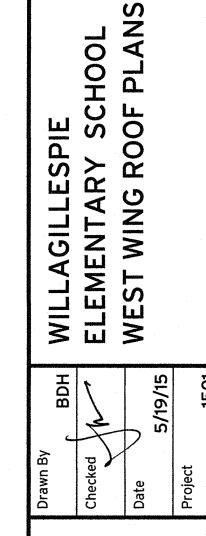


WILLAGILLESPIE ELEMENTARY SCHOOL WEST WING ROOF PLAN - NORTH



WILLAGILLESPIE ELEMENTARY SCHOOL WEST WING ROOF PLAN - SOUTH B WILLA
1/8" = 1'-0"

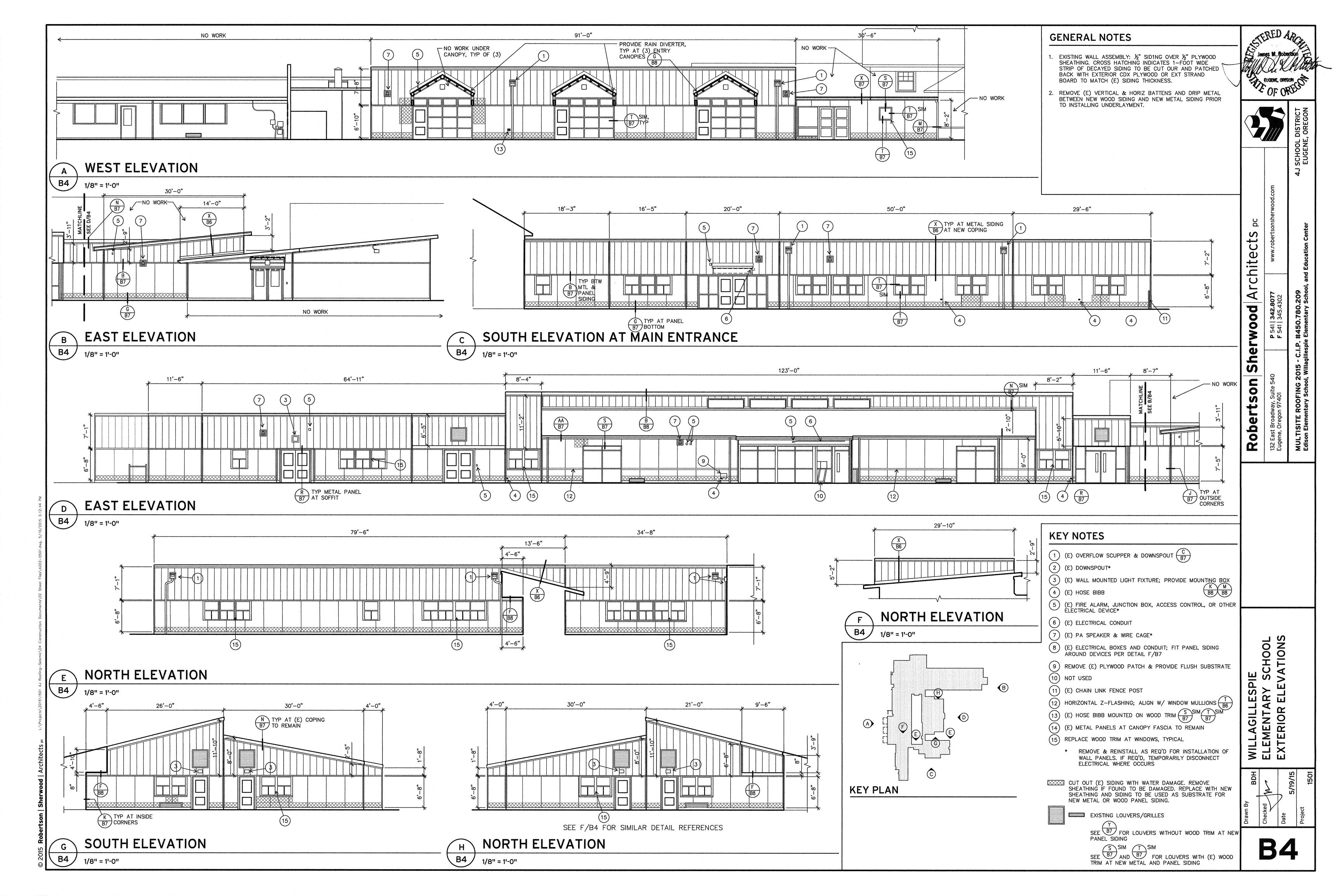


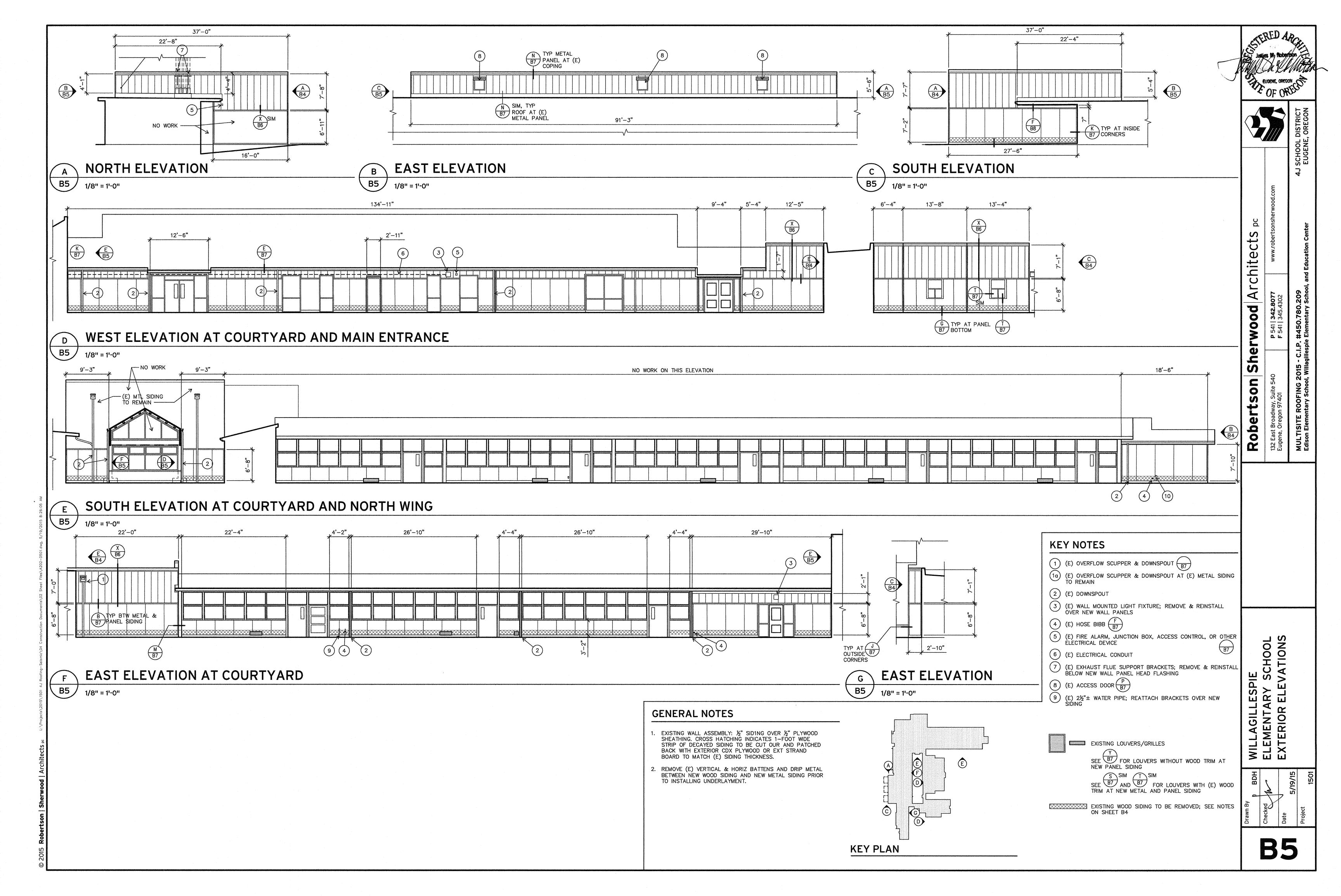


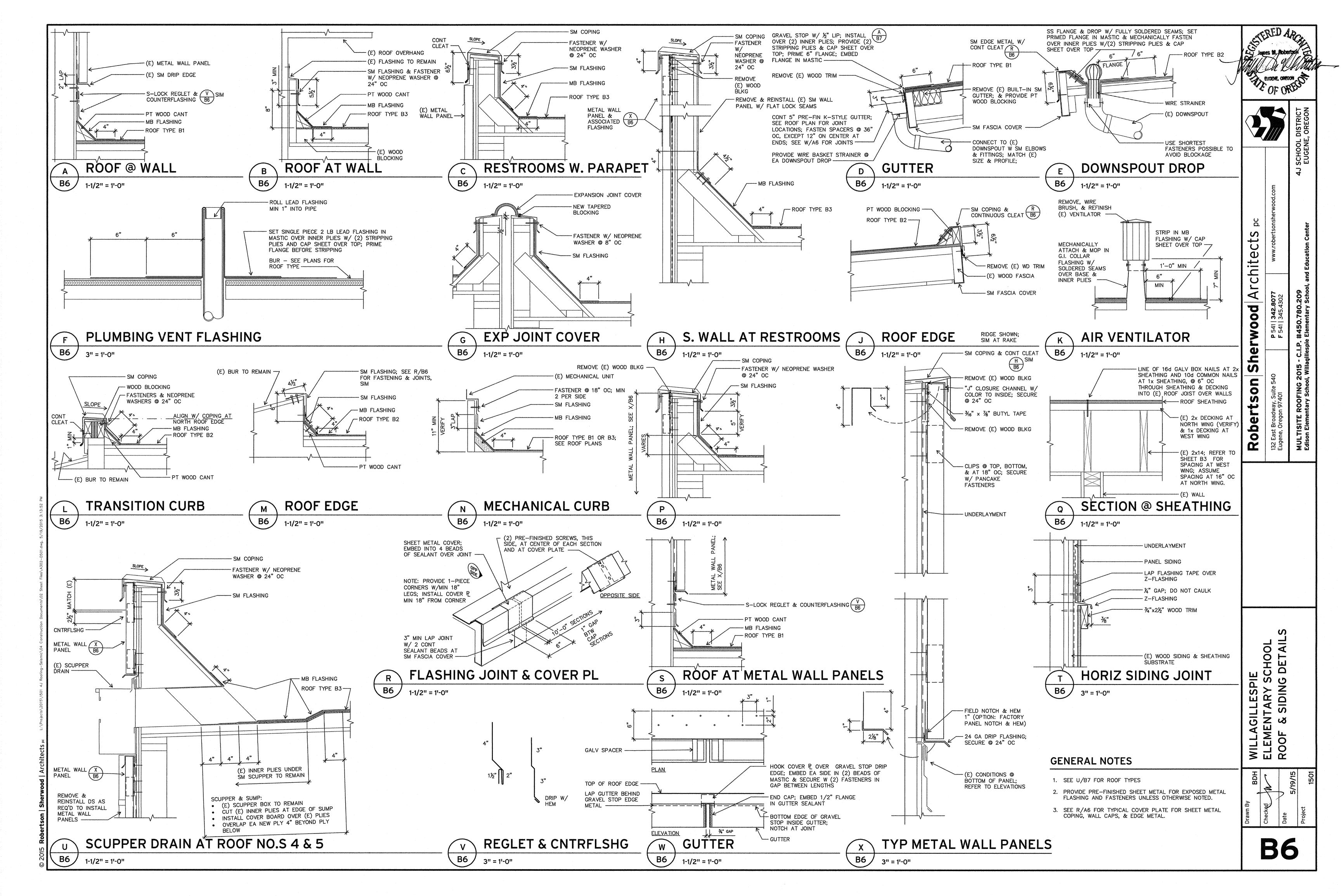
Sherwood Architects

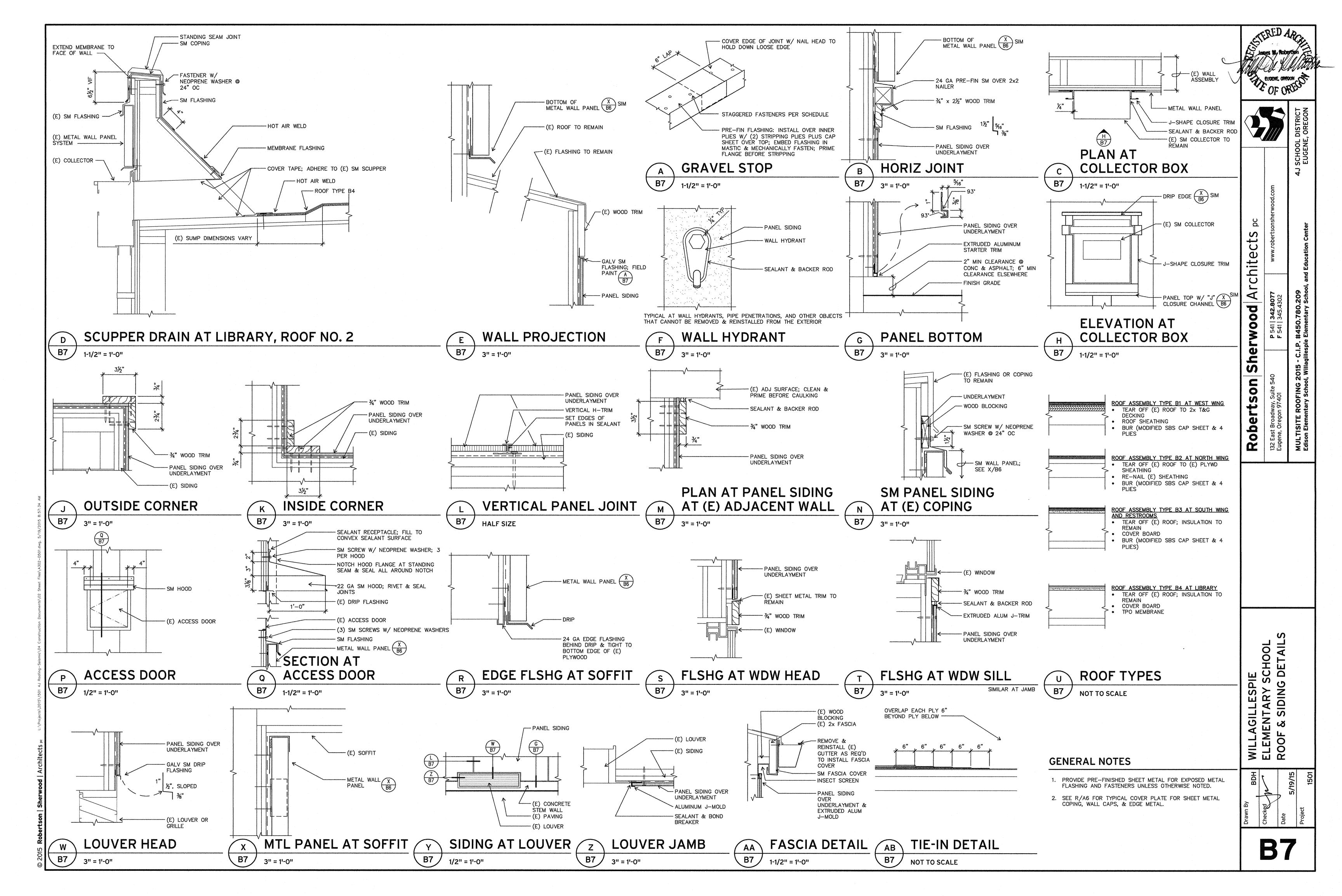
Robertson

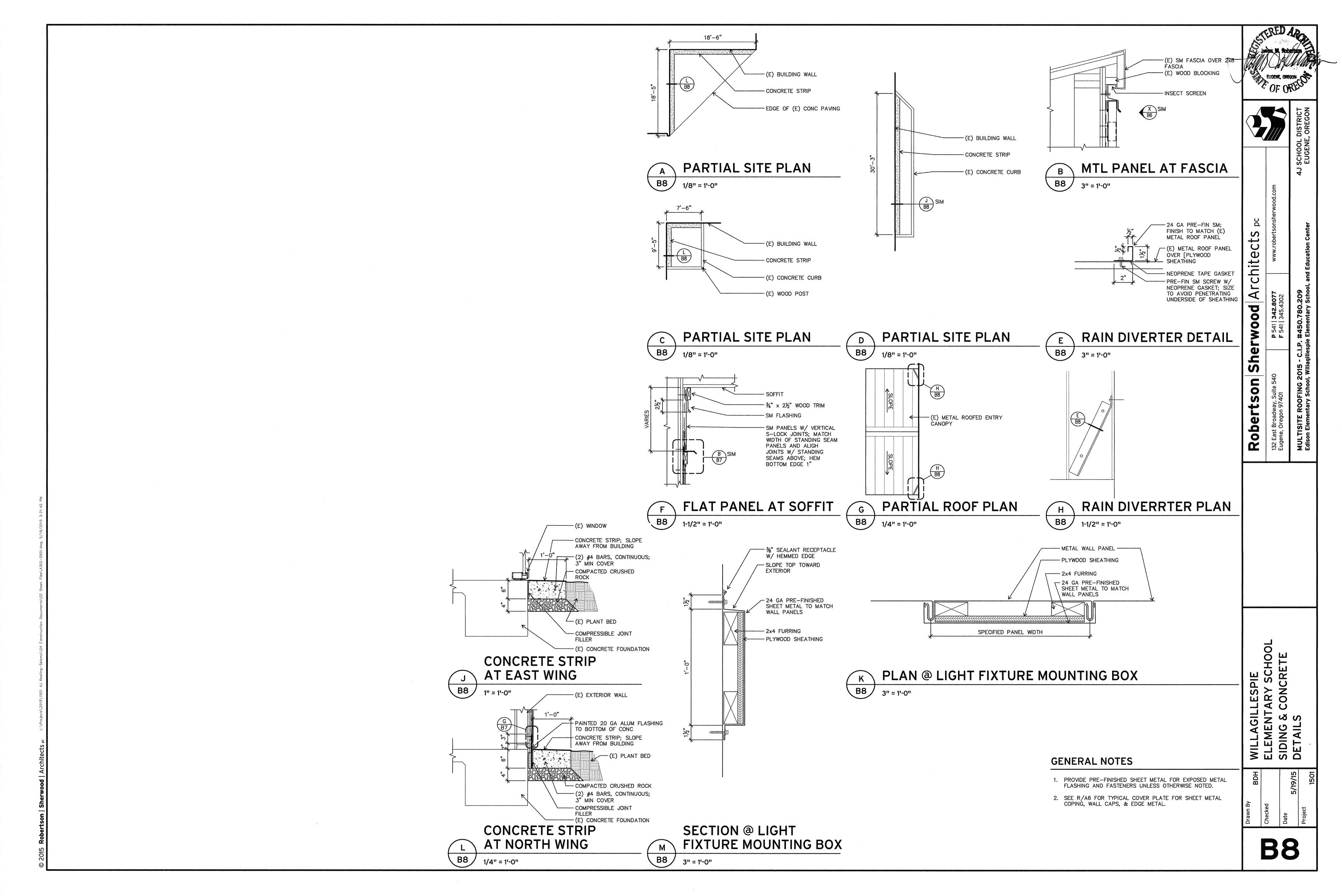
**B3** 

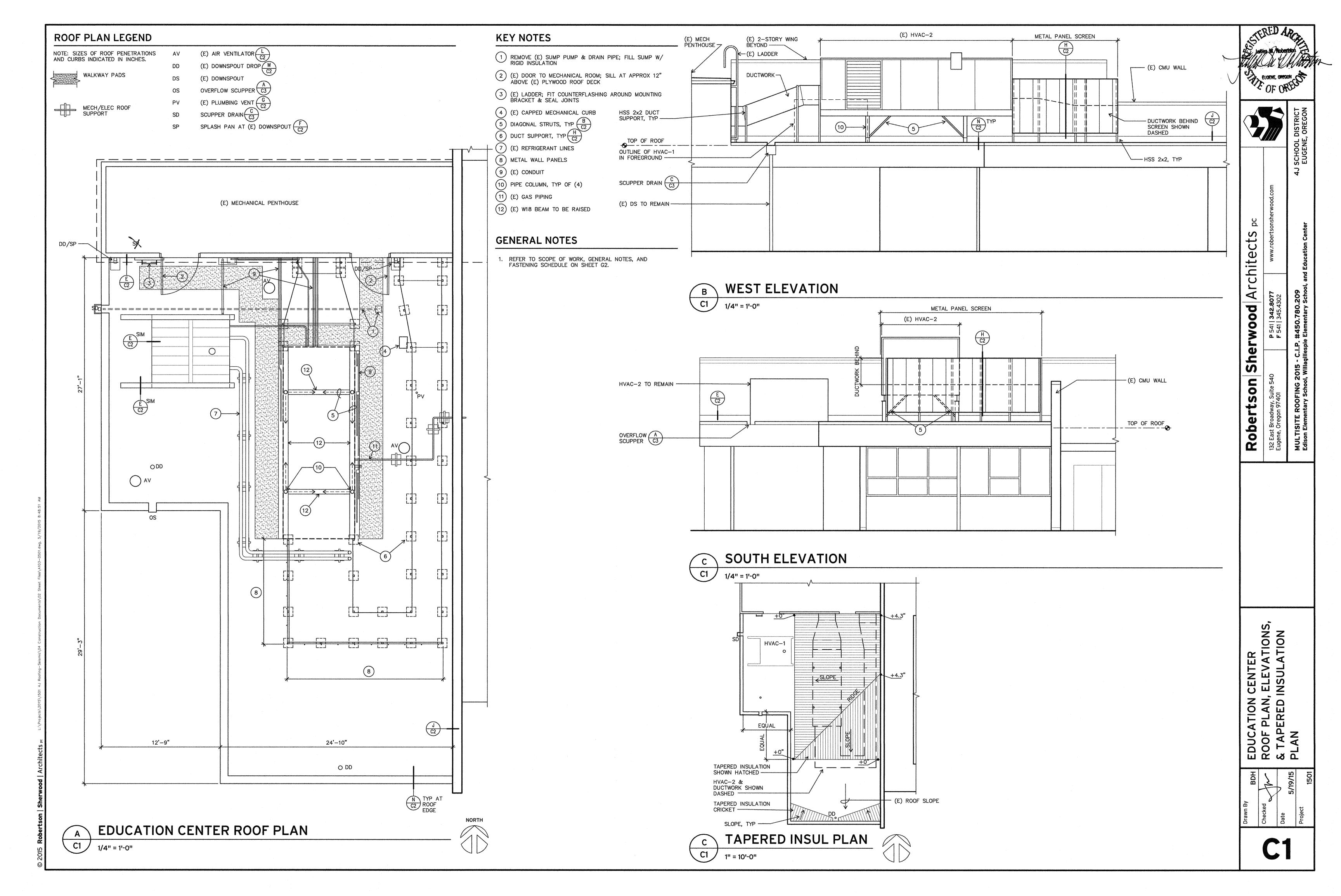


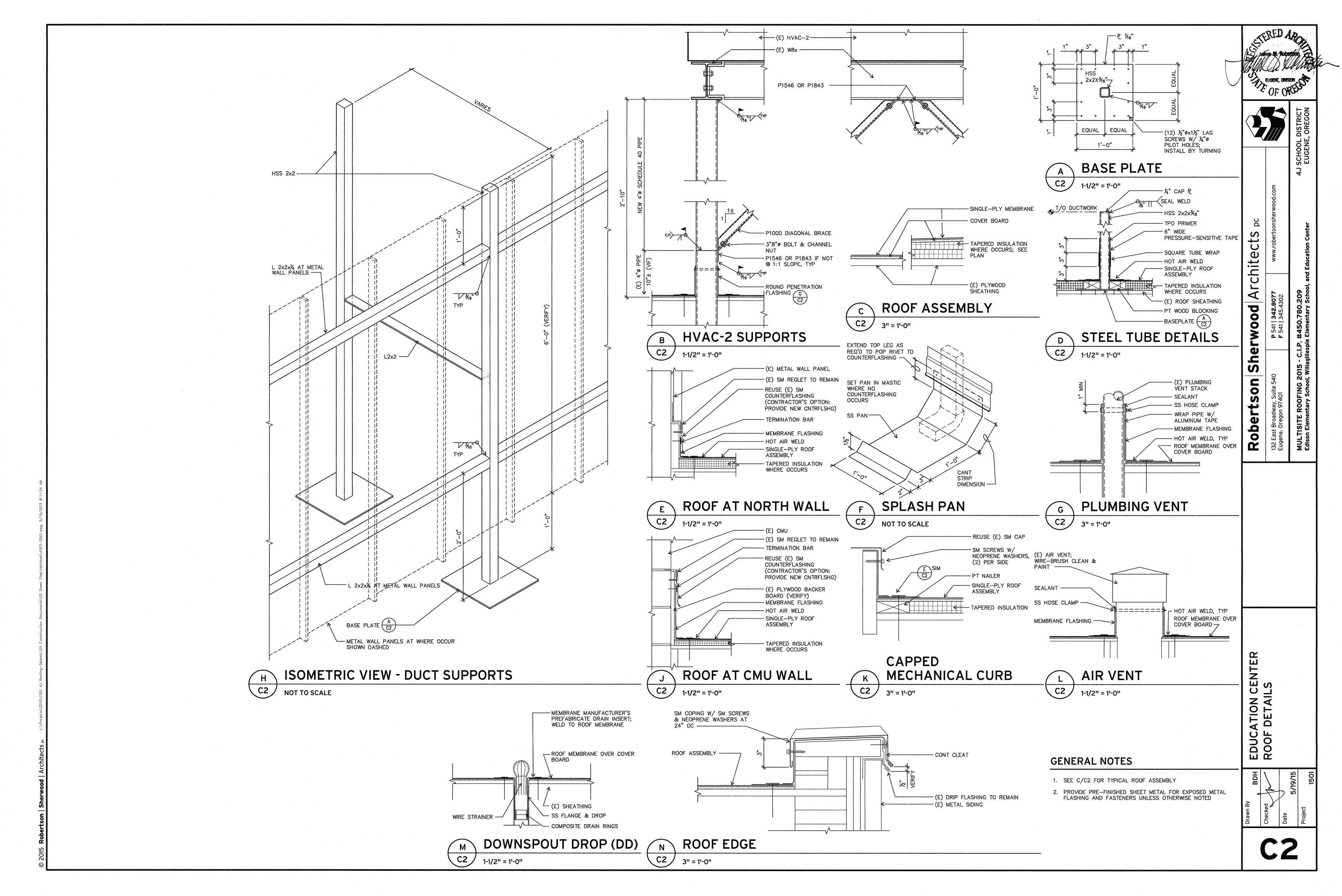


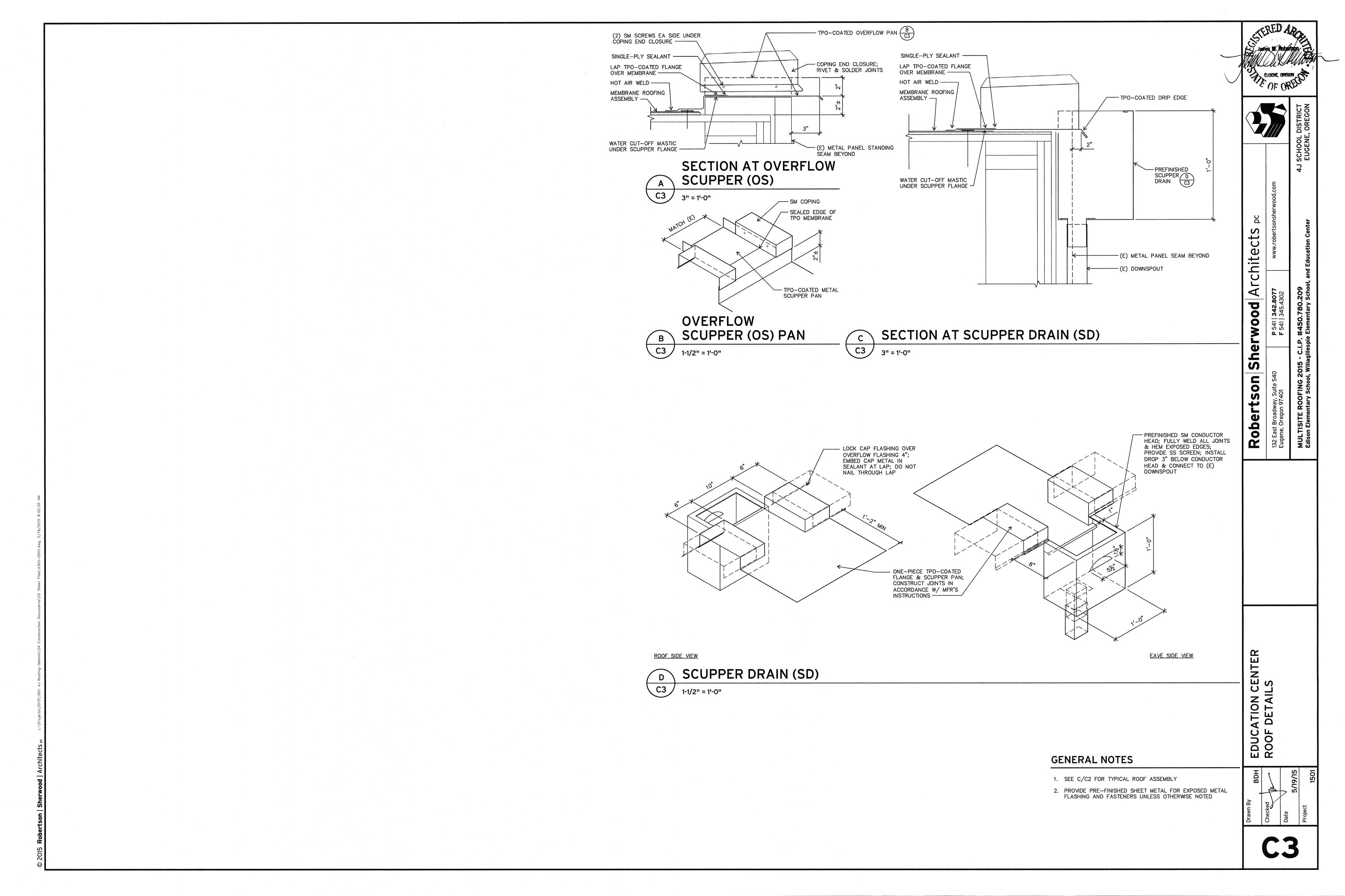


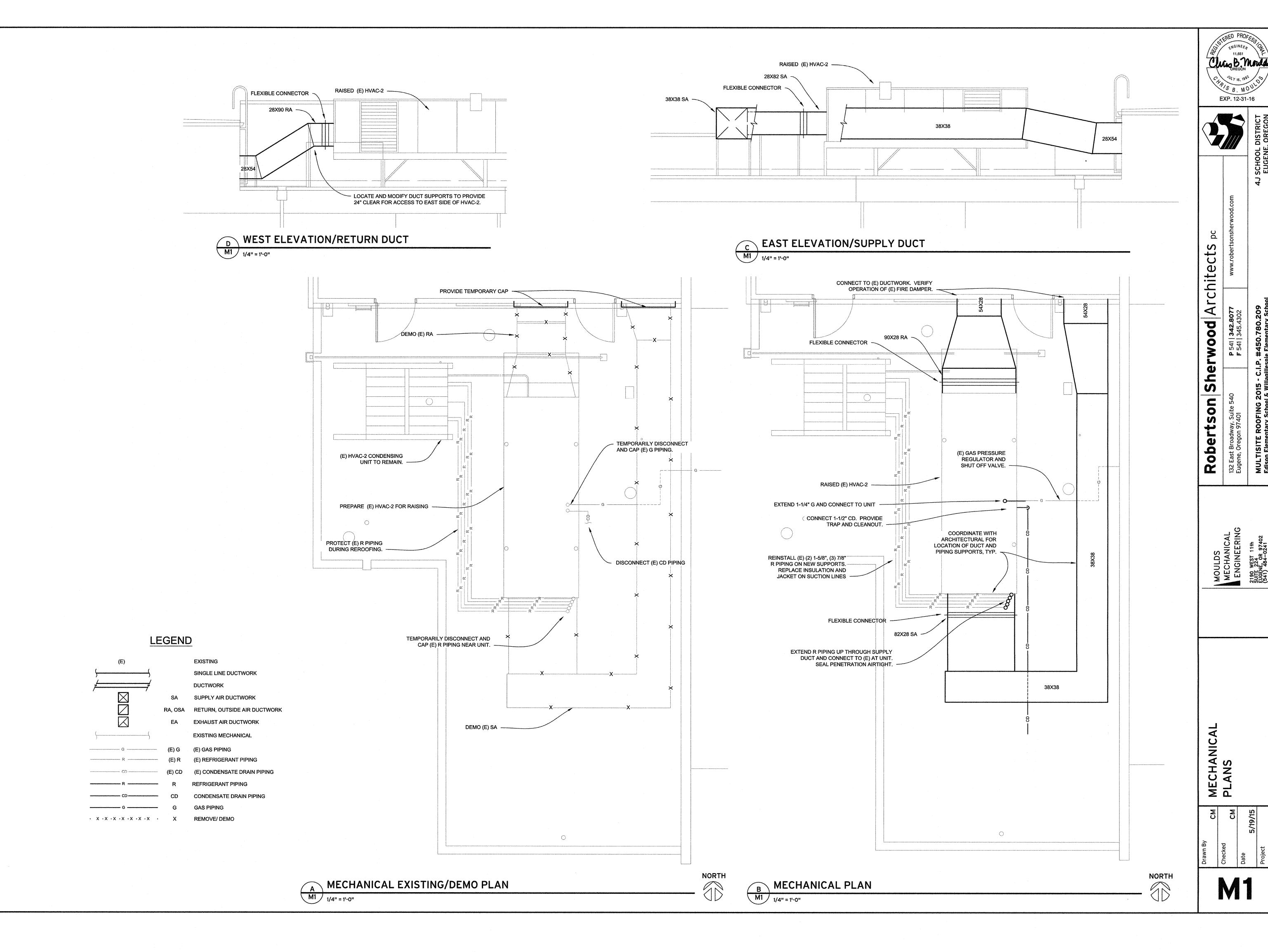












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