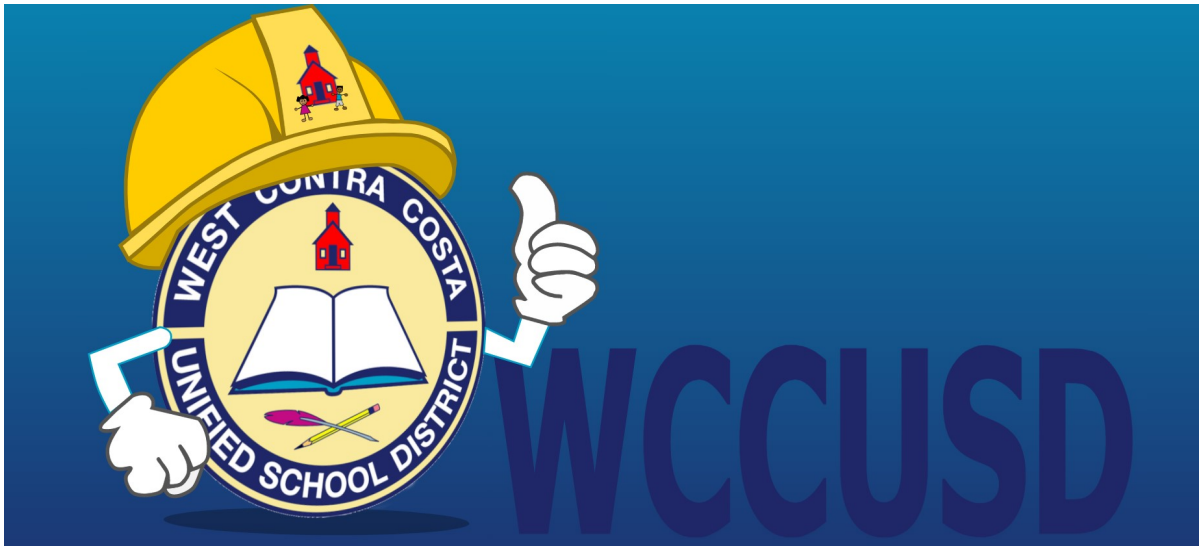

Standard Details

INTRODUCTION

The West Contra Costa Unified School District (District) provides this Standard Details document to communicate their desire concerning critical construction details. The details are designed to assist the Architect of Record or Structural Engineer of Record. To that end, the Architect or Engineer of Record is encouraged to present to the District for comparable approval details that accomplish the same outcome.

Air Barrier Membrane and Continuous Insulation

The typical assembly includes the following finish system components, which are installed over the building exterior wall sheathing designed by the Architect or the Structural Engineer of Record:

- STPE Air Barrier Membrane;
- Rainscreen Drainage Layer;
- Continuous Rigid Insulation;
- 2-Ply Drainable Weather-Resistive Barrier, (WRB);
- Traditional 3-Coat Cement Plaster wall finish.

In addition to Cement Plaster, other closed-joint wall finish systems designed by the Architect of Record can be applied directly over the above assembly or on Vertical Furring Strips fastened through the above assembly. In open panel joint siding systems, the 2-Ply Drainable WRB above should be replaced with an appropriate product that can resist the deleterious effects of the Sun's ultraviolet radiation. Woven Stainless Steel Wire Fabric should be included at the base of the wall to prevent insect infestation.

In addition, Concrete Foundation Waterproofing detail requirements are included for Elevator Pit and other below-grade locations. Concrete Slab-On-Grade Vapor Barrier Membrane requirements are included for the general protection of interior floor finishes.

Modified Bitumen and Asphalt Composition Shingle Roofing details are included to assist the Architect of Record with maintaining the Air Barrier Membrane's continuity at the Roof-To-Wall interface. The Self-Adhered Roof Underlayment Vapor Barrier is required to protect the roof sheathing during construction and control vapor transmission. The Architect is required to determine which membrane is appropriate for each face of the Roof Parapet Walls and to ensure the long-term durability of the important air barrier membrane transition at the roofing interface.

The Architect of Record is responsible for verifying the appropriateness of the details. The Architect of Record is responsible for the modification of the details as required by the specific project requirements.

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ABBREVIATIONS

HDPE	HIGH DENSITY POLYETHYLENE
MAX	MAXIMUM
MIL	ONE-ONE-THOUSANDTH OF AN INCH THICKNESS
MIN	MINIMUM
O.C.	ON CENTER
PMMA	POLYMETHYL METHACRYLATE
PSI	PER-SQUARE-INCH
PVC	POLYVINYL CHLORIDE
SBS	STYRENE-BUTADIENE-STYRENE
SS	STAINLESS STEEL
STPE	SILYL TERMINATED POLYETHER

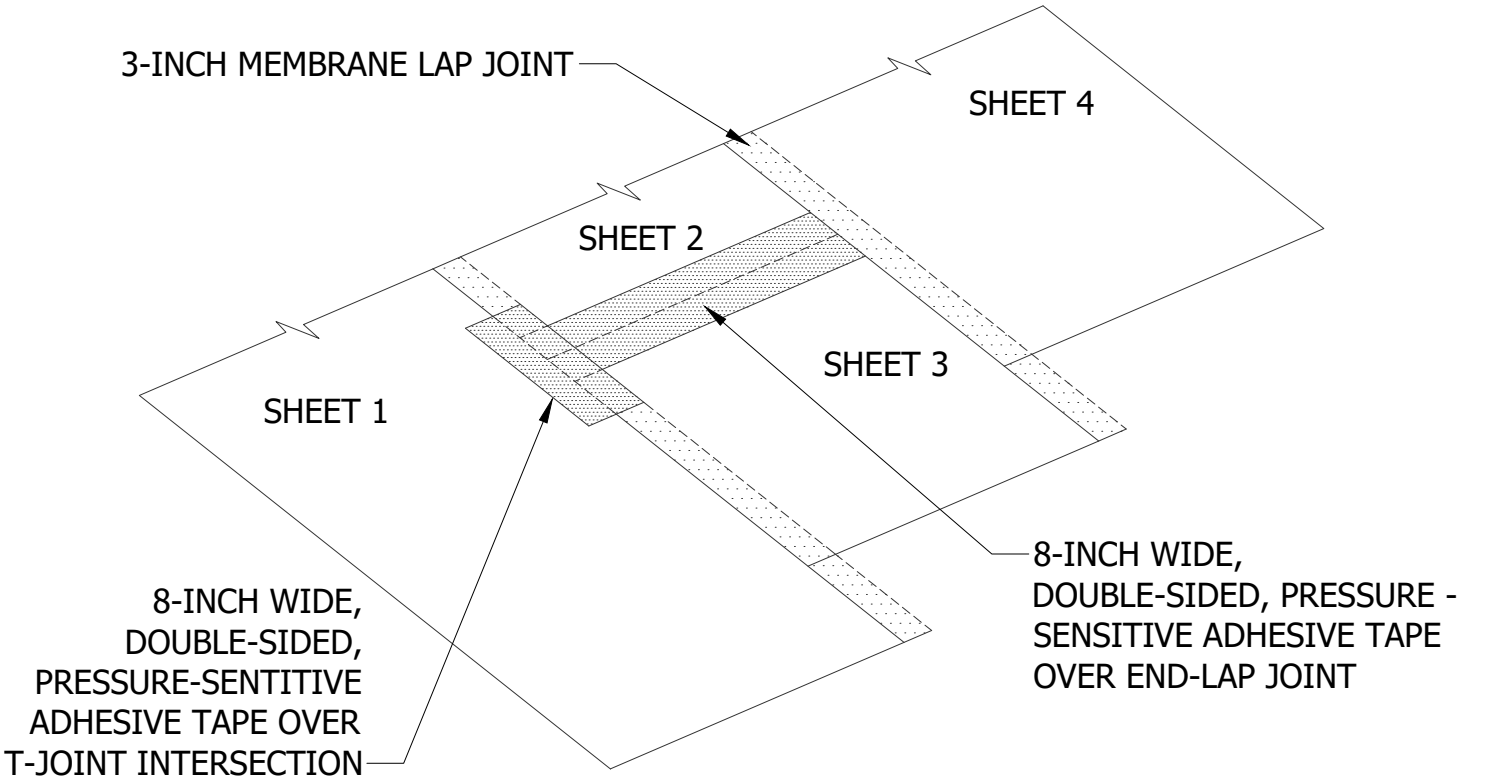
CONCRETE FOUNDATION WATERPROOFING

ARCHITECT TO COORDINATE WATERPROOFING REQUIREMENTS WITH SPECIFICATION DIVISION 3 CONCRETE
TO MINIMIZE FORMWORK TIE PUNCTURES TO WATERPROOF MEMBRANE

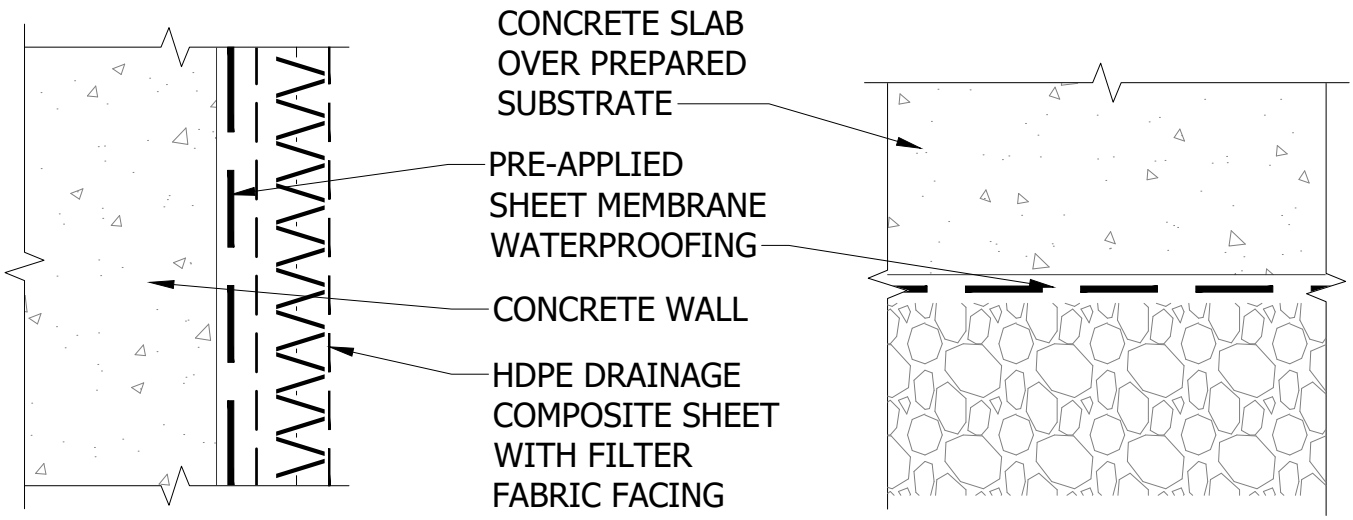
BELOW-GRADE SHEET WATERPROOFING

ARCHITECT TO COORDINATE WATERPROOFING REQUIREMENTS WITH SPECIFICATION DIVISION 3 CONCRETE

TO MINIMIZE FORMWORK TIE PUNCTURES TO WATERPROOF MEMBRANE



ISOMETRIC VIEW



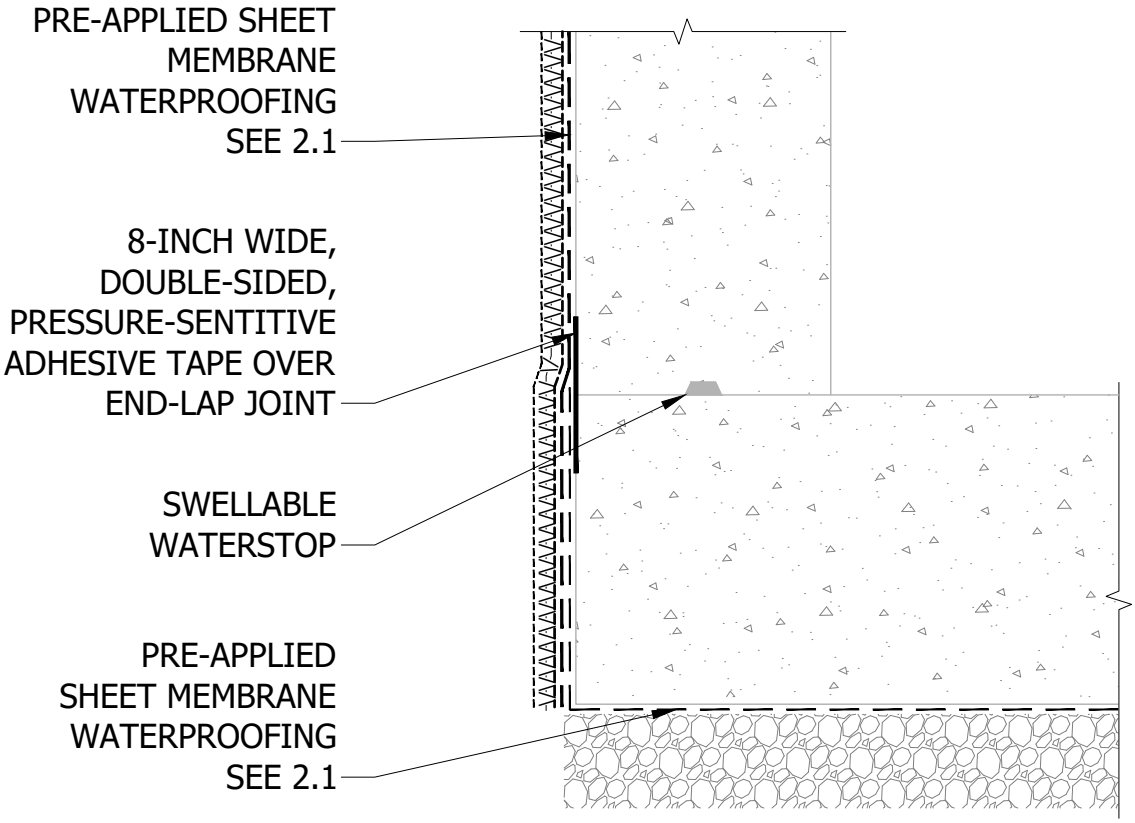
SECTION AT VERTICAL SURFACE

SECTION AT HORIZONTAL SURFACE

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	EXTRUDED SHEET MEMBRANE WITH PRESSURE SENSITIVE ADHESIVE	2.1

BELOW-GRADE SHEET WATERPROOFING

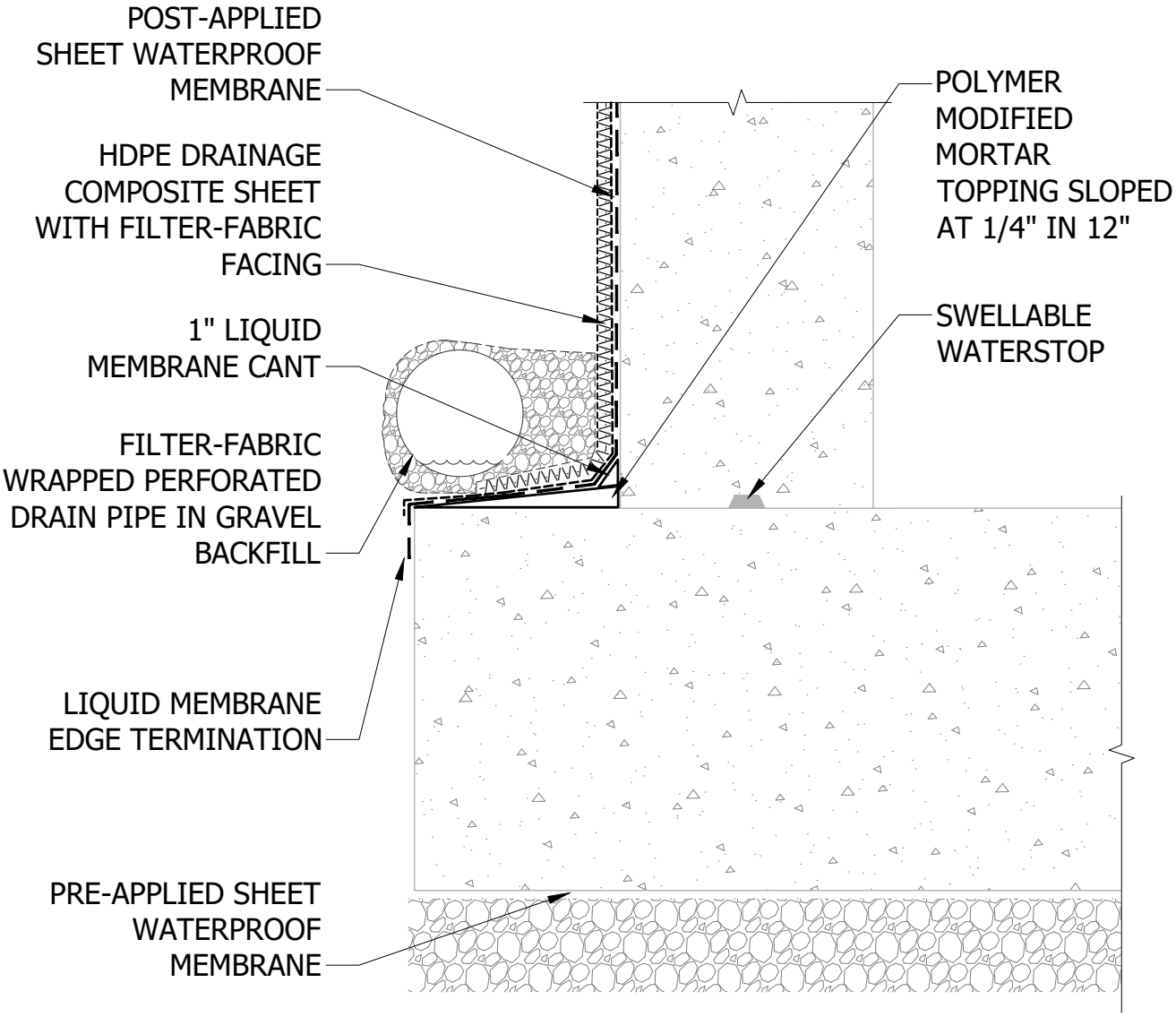
ARCHITECT TO COORDINATE WATERPROOFING REQUIREMENTS WITH SPECIFICATION DIVISION 3 CONCRETE
TO MINIMIZE FORMWORK TIE PUNCTURES TO WATERPROOF MEMBRANE



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	CONCRETE SLAB EDGE WATERPROOFING	2.1.1

BELOW-GRADE SHEET WATERPROOFING

ARCHITECT TO COORDINATE WATERPROOFING REQUIREMENTS WITH SPECIFICATION DIVISION 3 CONCRETE
TO MINIMIZE FORMWORK TIE PUNCTURES TO WATERPROOF MEMBRANE

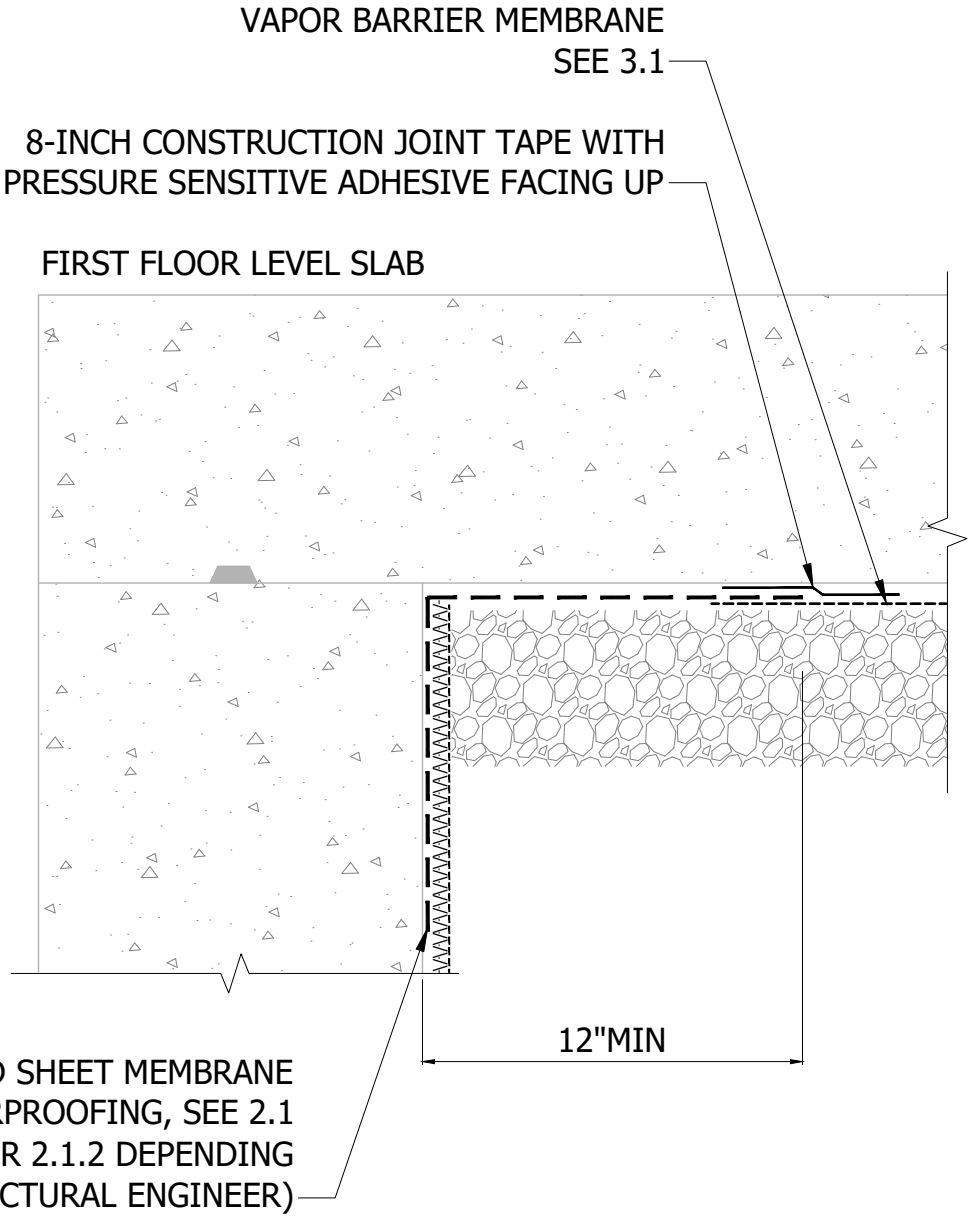


NOTE: WHERE THE CONCRETE WALLS ARE PLACED AFTER THE CONCRETE SLAB, POST-APPLIED WATERPROOFING AND BACK-FILLING ARE REQUIRED.

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	CONCRETE SLAB EDGE WATERPROOFING AT INSET WALL	2.1.2

BELOW-GRADE SHEET WATERPROOFING
BELOW-SLAB VAPOR RETARDER

ARCHITECT TO COORDINATE WATERPROOFING REQUIREMENTS WITH SPECIFICATION DIVISION 3 CONCRETE
TO MINIMIZE FORMWORK TIE PUNCTURES TO WATERPROOF MEMBRANE



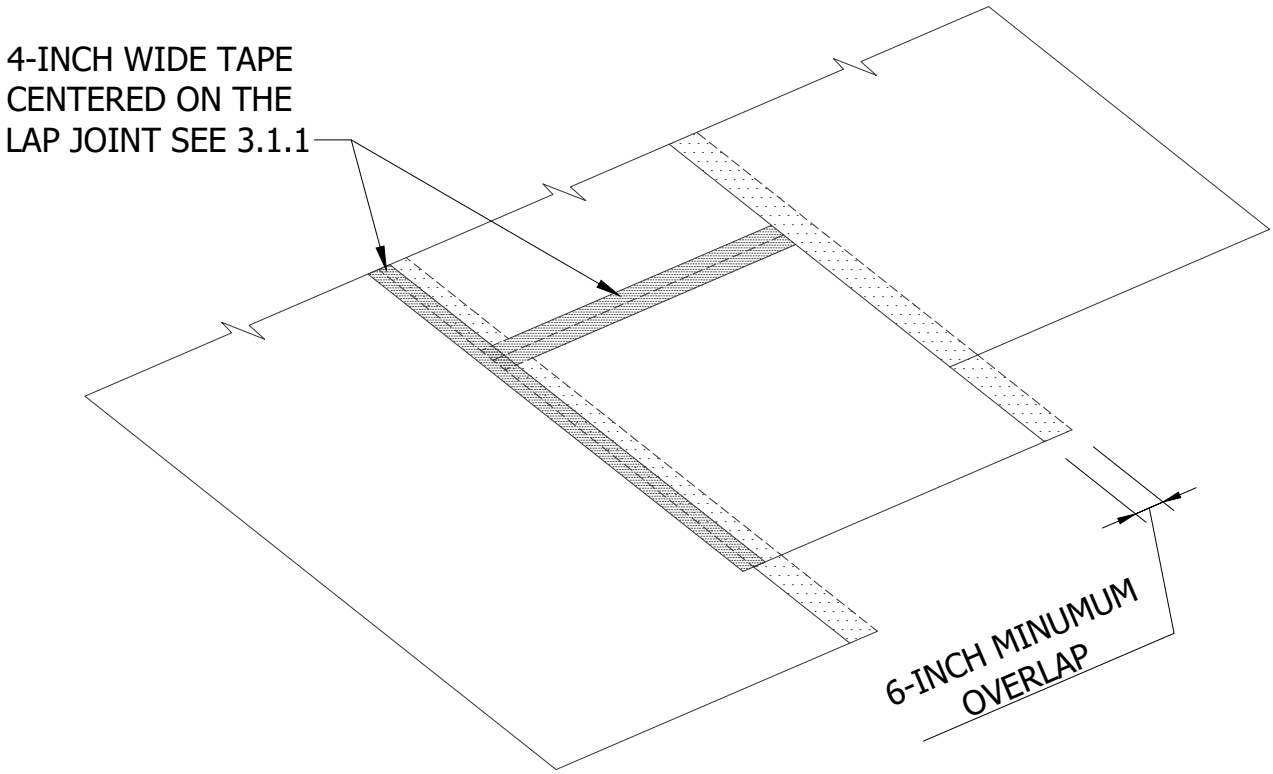
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	CONCRETE WALL TIE-IN AT SLAB VAPOR BARRIER	2.1.3

CONCRETE SLAB-ON-GRADE VAPOR BARRIER

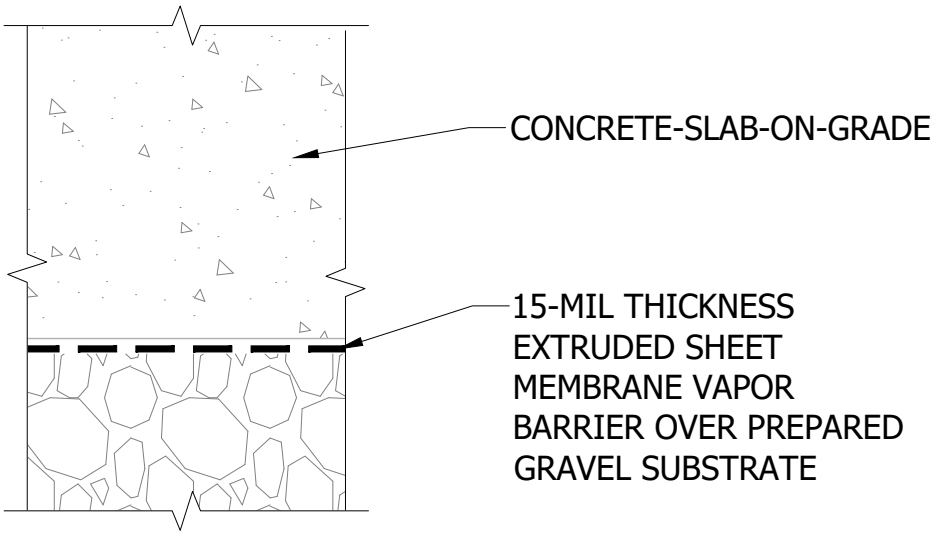
ARCHITECT TO COORDINATE WATERPROOFING REQUIREMENTS WITH SPECIFICATION DIVISION 3 CONCRETE

TO MINIMIZE FORMWORK TIE PUNCTURES TO VAPOR BARRIER MEMBRANE

BELOW-SLAB VAPOR RETARDER

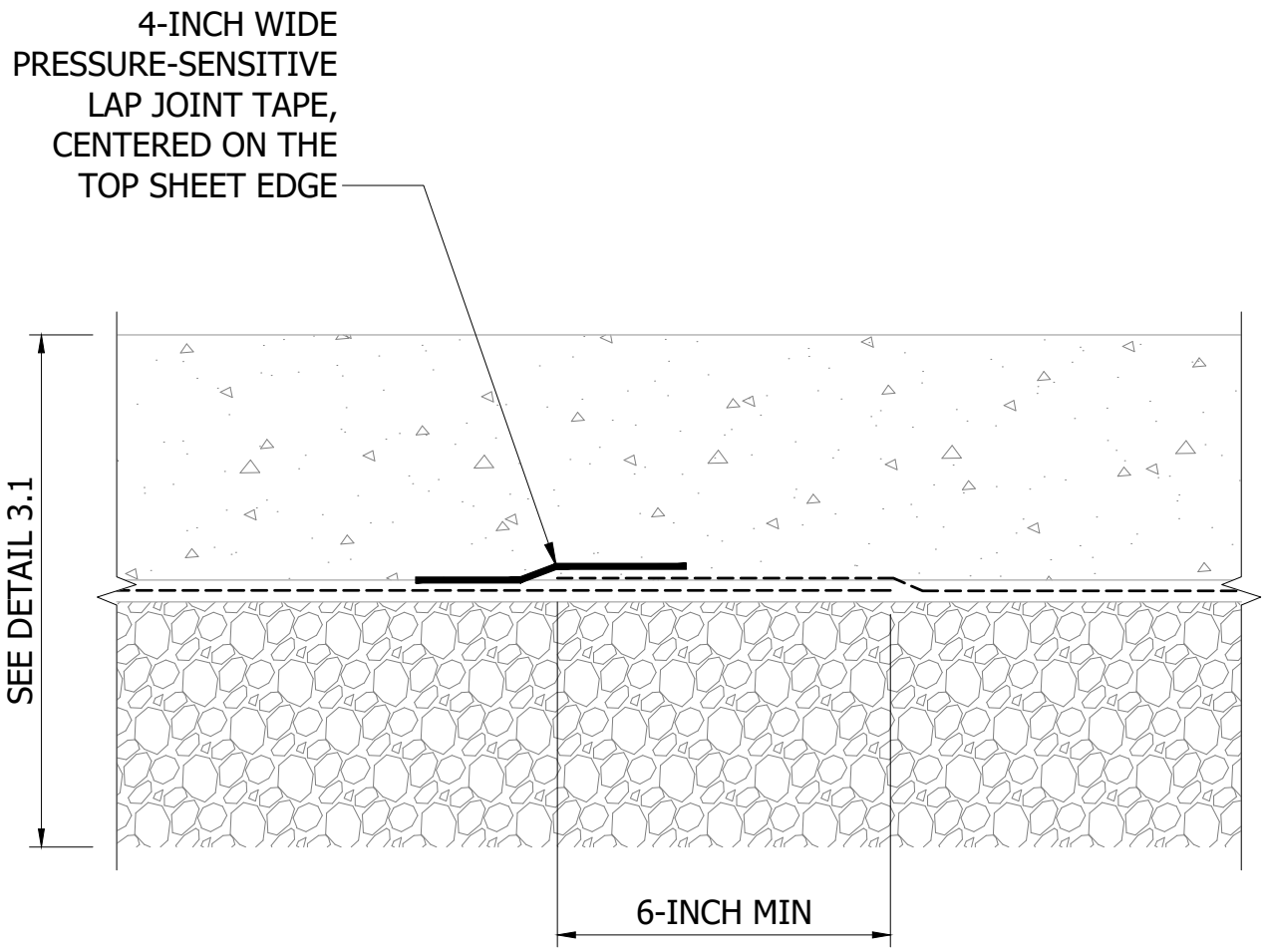


ISOMETRIC VIEW



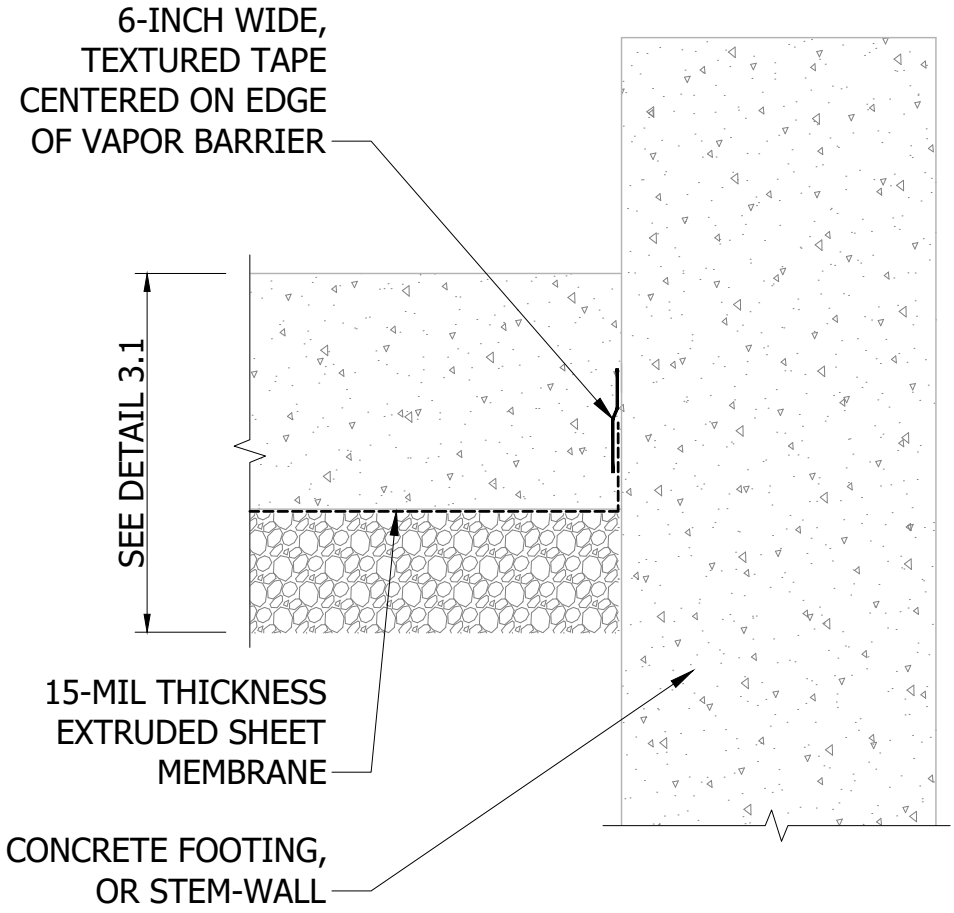
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	EXTRUDED SHEET MEMBRANE	3.1

BELOW-SLAB VAPOR RETARDER



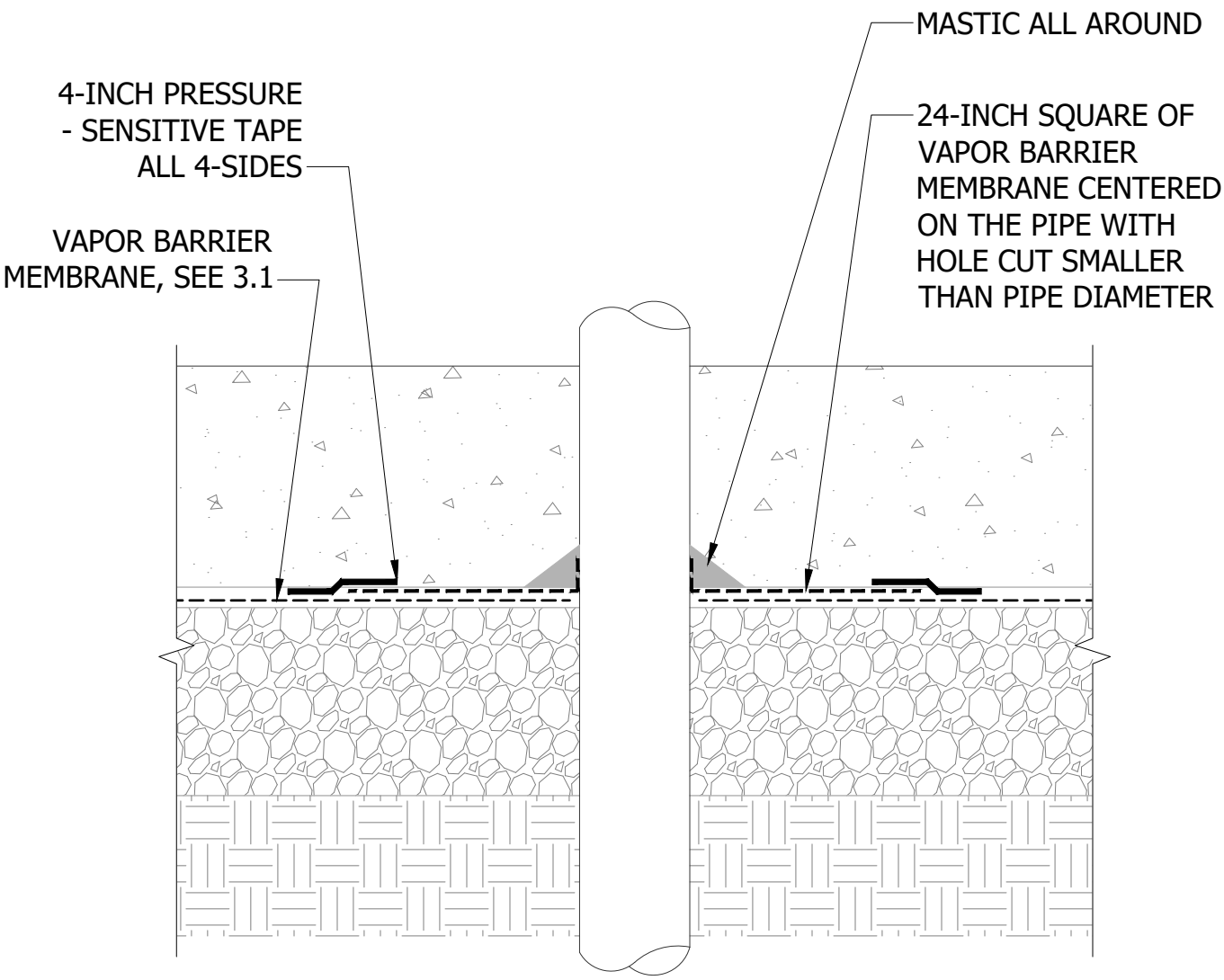
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	VAPOR BARRIER LAP JOINT	3.1.1

BELOW-SLAB VAPOR RETARDER



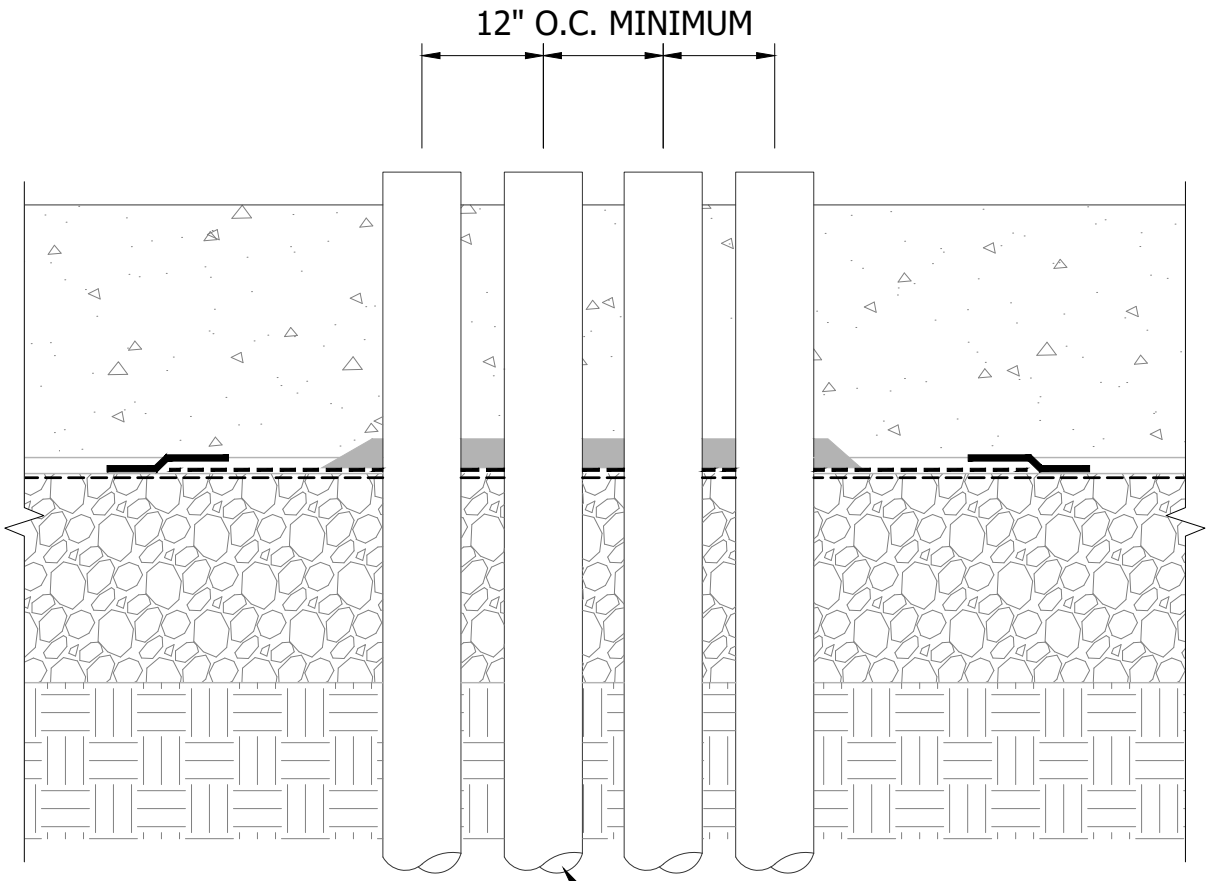
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	TAPED EDGE TERMINATION AT CONCRETE FOOTING	3.1.2

BELOW-SLAB VAPOR RETARDER



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	PIPE PENETRATION FLASHING	3.1.3

BELOW-SLAB VAPOR RETARDER



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	MULTIPLE PIPE PENETRATION FLASHING	3.1.4

EXTERIOR WALL FINISH SYSTEM

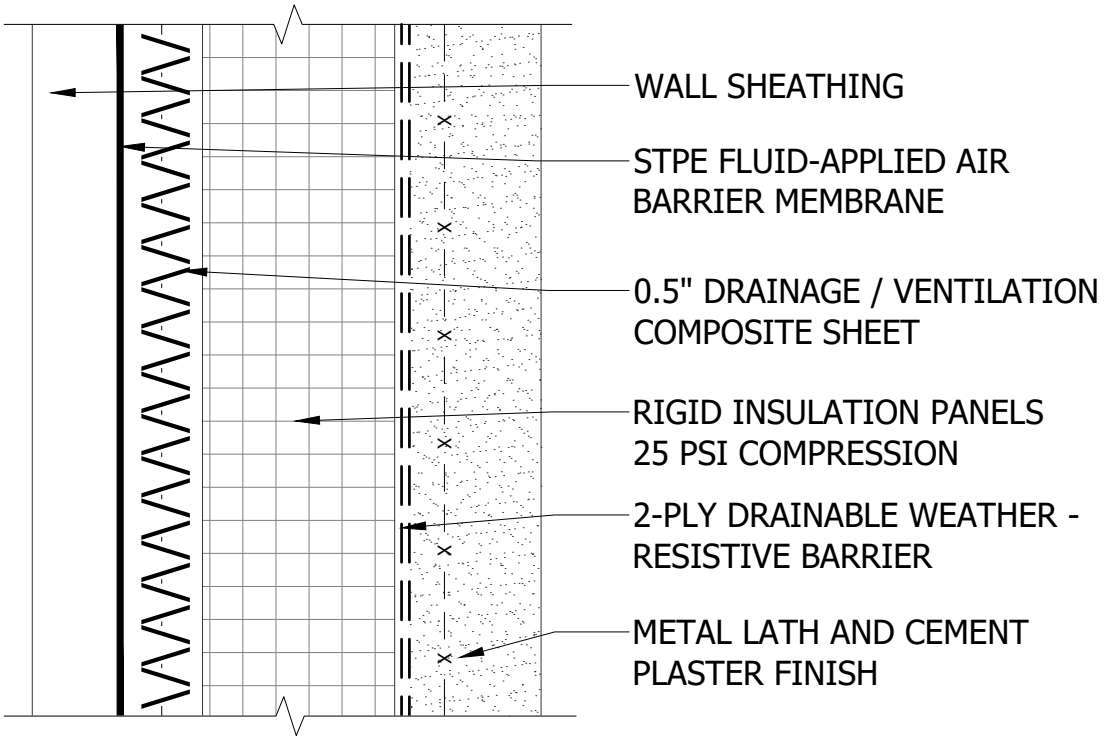
THE FOLLOWING DETAILS ASSIST THE ARCHITECT WITH INTEGRATION OF AN STPE-BASED AIR BARRIER MEMBRANE, THIN RAINSCREEN DRAINAGE LAYER AND CONTINOUS RIGID INSULATION AND 2-PLY DRAINABLE WRB INTO THE TRADITIONAL 3-COAT CEMENT PLASTER WALL FINISH SYSTEM;

IN ADDITION TO CEMENT PLASTER, OTHER WALL FINISH SYSTEMS DESIGNED BY THE ARCHITECT CAN BE APPLIED DIRECTLY OVER THE ABOVE COMPONENTS, OR, WITH THE ADDITION OF FURRING STRIPS OVER THE RIGID INSULATION LAYER AND ATTACHED TO THE WALL FRAMING;

ALTERNATIVE SIDING DESIGNED BY THE ARCHITECT SHOULD HAVE CLOSED PANEL JOINTS;

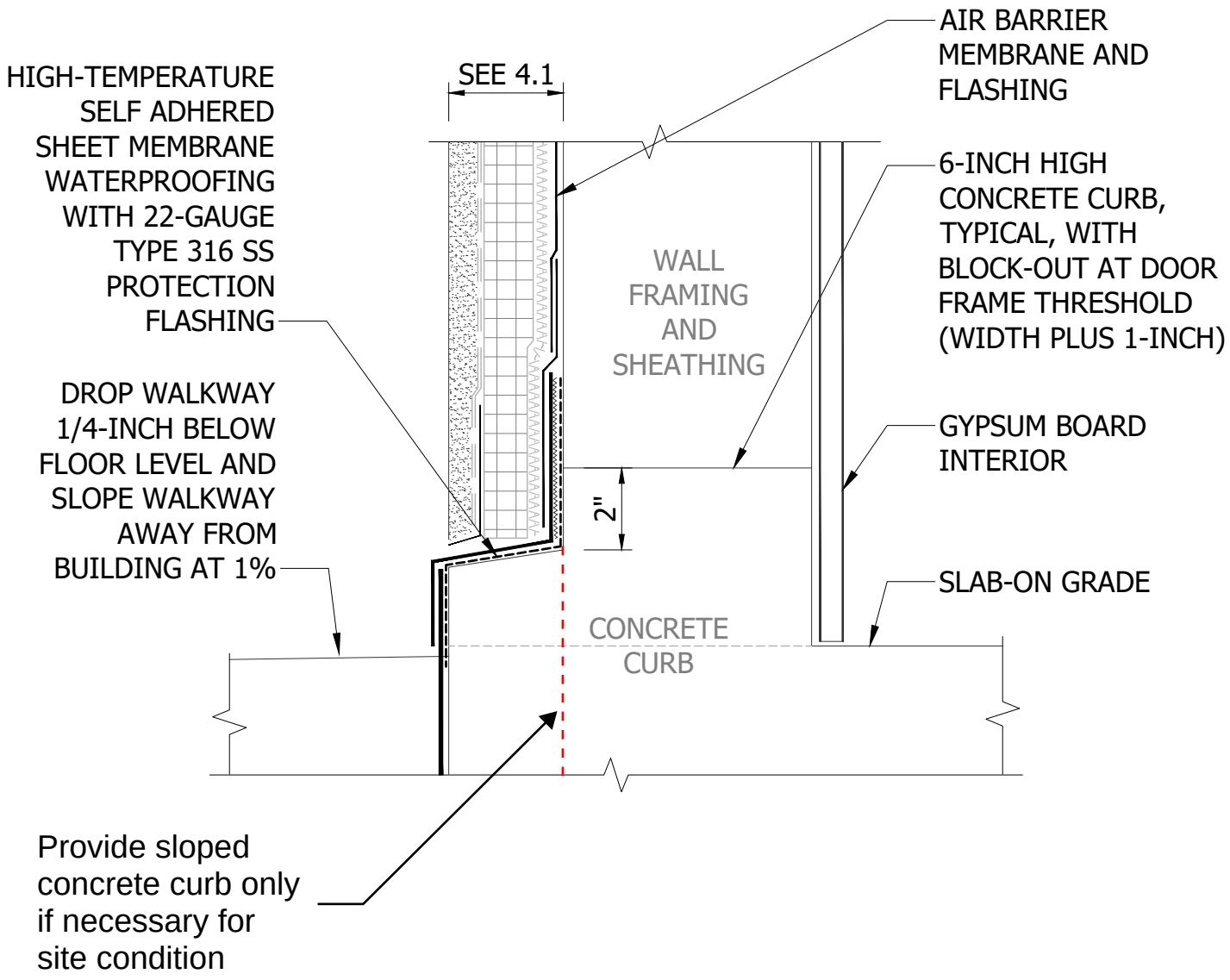
ALTERNATIVE SIDING DESIGNED BY THE ARCHITECT WITH OPEN PANEL JOINTS, SHOULD INCLUDE A WEATHER-RESISTIVE BARRIER WITH ULTRAVIOLET RADIATION RESISTANCE APPLIED OVER THE RIGID INSULATION. OPEN-JOINT WALL FINISH SYSTEMS SHOULD INCLUDE WOVEN STAINLESS STEEL WIRE FABRIC INSECT SCREEN AT TOP AND BOTTOM OF THE FURRING CAVITY.

FLUID-APPLIED AIR BARRIER



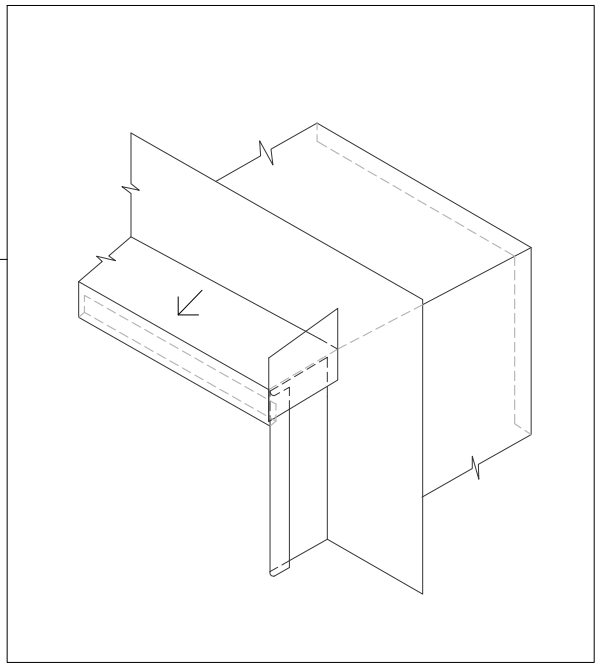
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	CEMENT PLASTER WITH CONTINUOUS BACK-VENTILATED RIGID INSULATION	4.1

FLUID-APPLIED AIR BARRIER

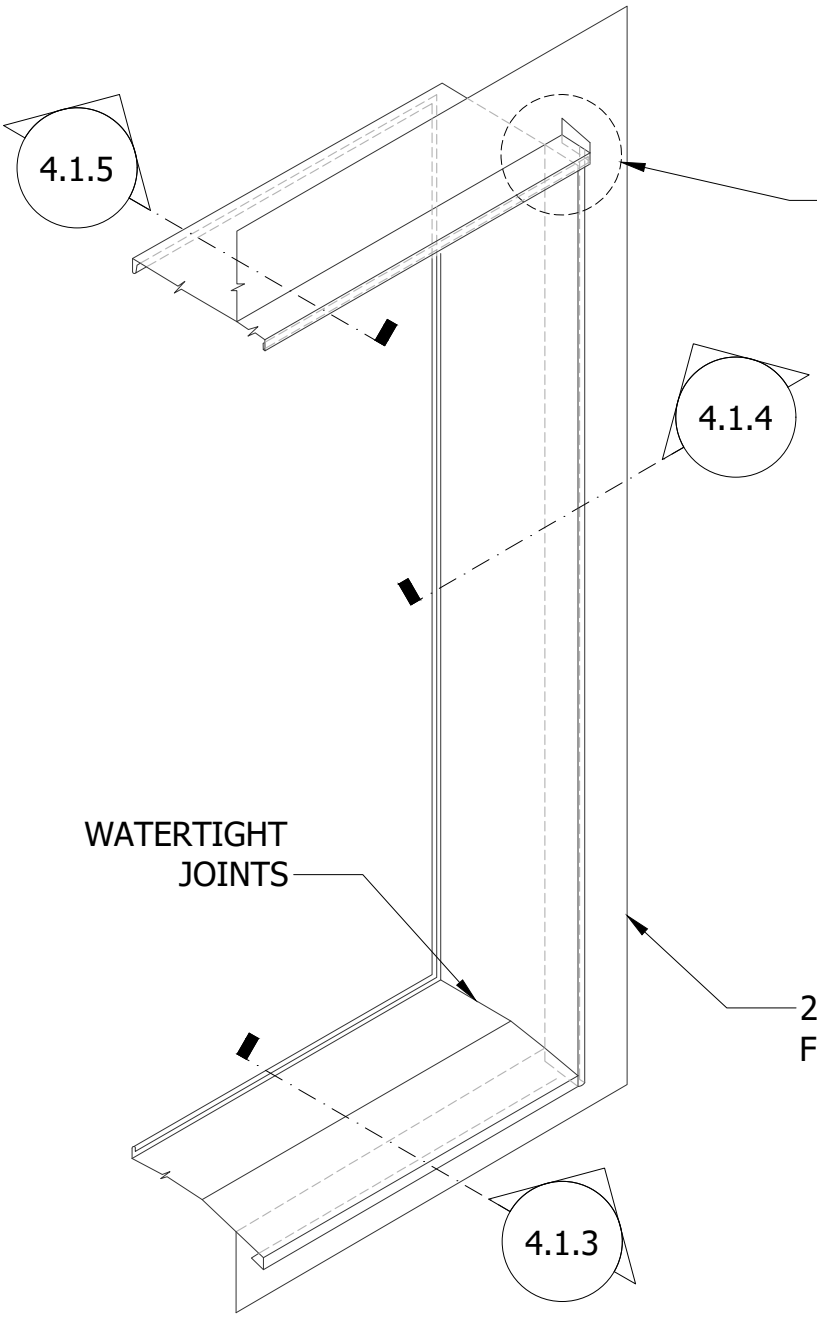


WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	WALL BASE TERMINATION FLASHING	4.1.1

FLUID-APPLIED AIR BARRIER



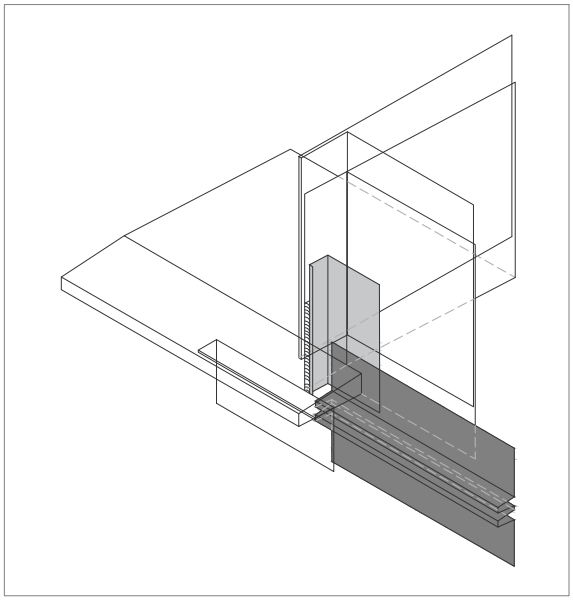
ISOMETRIC VIEW



ISOMETRIC VIEW

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	STAINLESS STEEL SURROUND AT STOREFRONT WINDOW	4.1.2

FLUID-APPLIED AIR BARRIER



ISOMETRIC VIEW

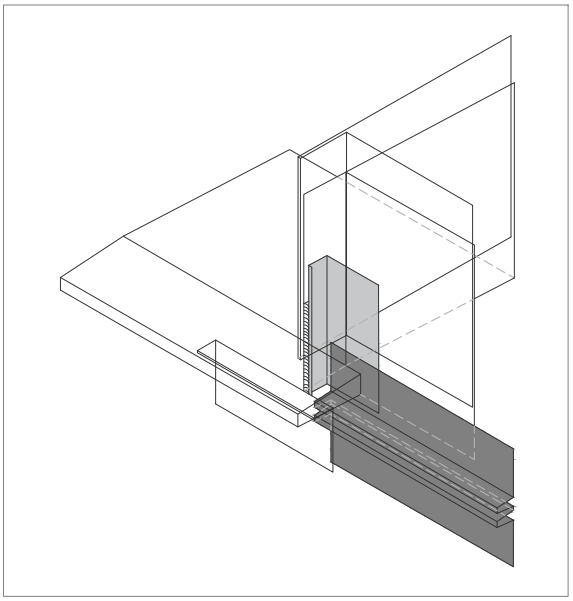
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT

DETAIL STANDARD

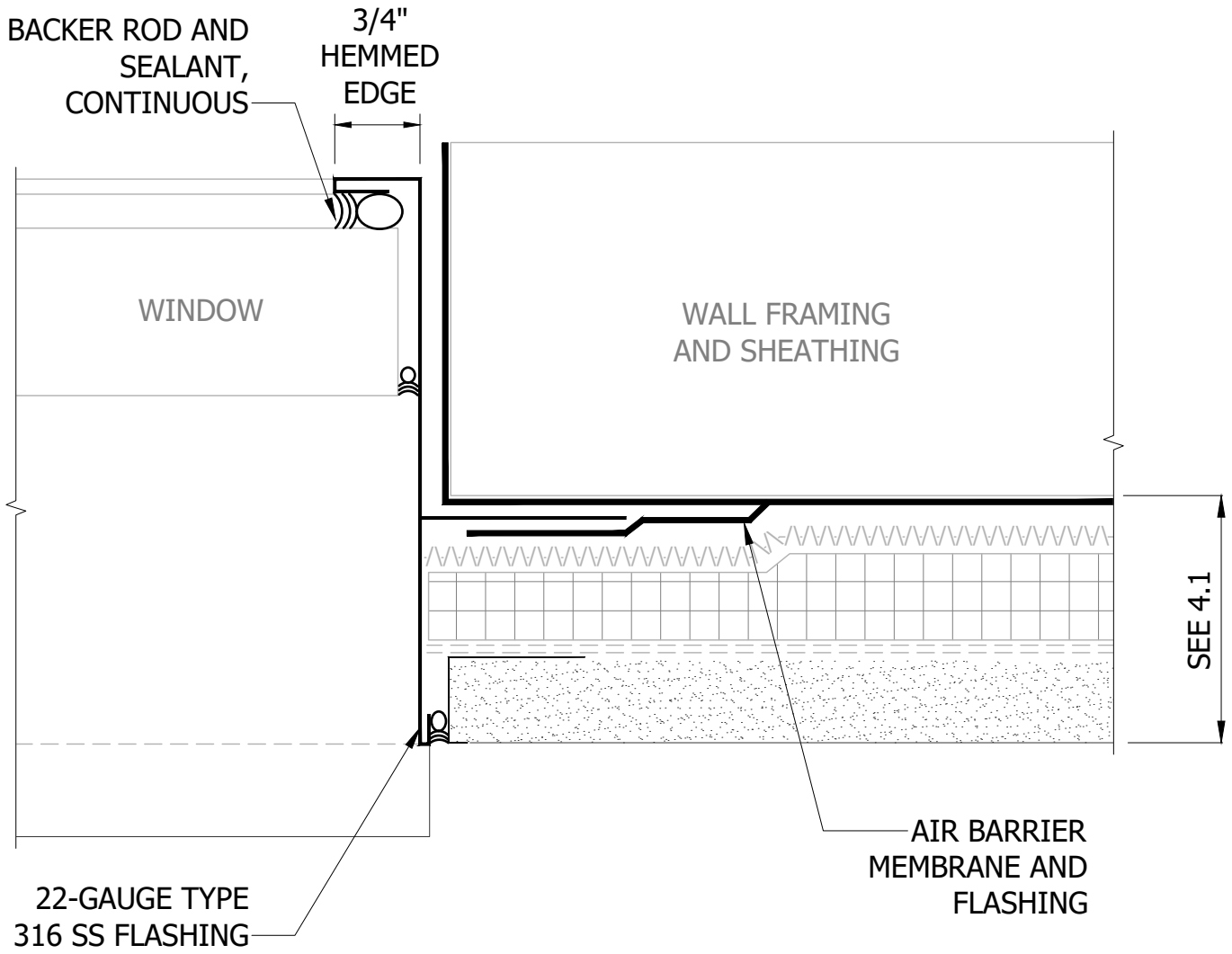
STOREFRONT SILL FLASHING

4.1.3

FLUID-APPLIED AIR BARRIER

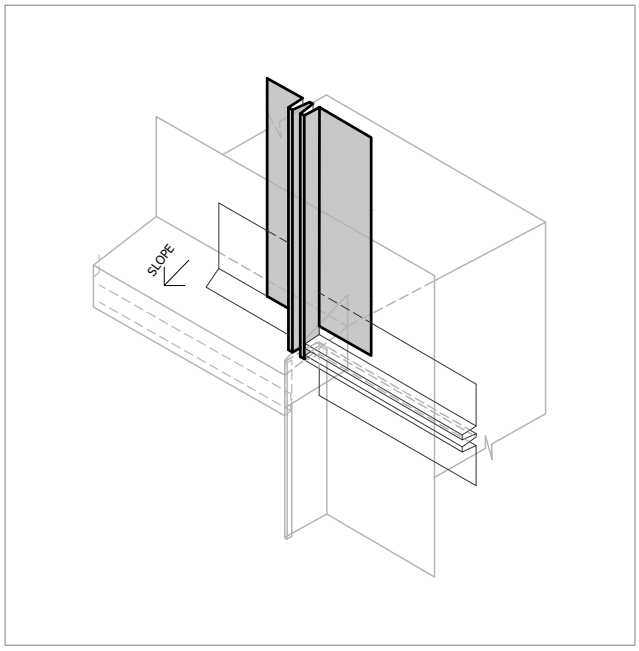


ISOMETRIC VIEW



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	STOREFRONT JAMB FLASHING	4.1.4

FLUID-APPLIED AIR BARRIER



ISOMETRIC VIEW

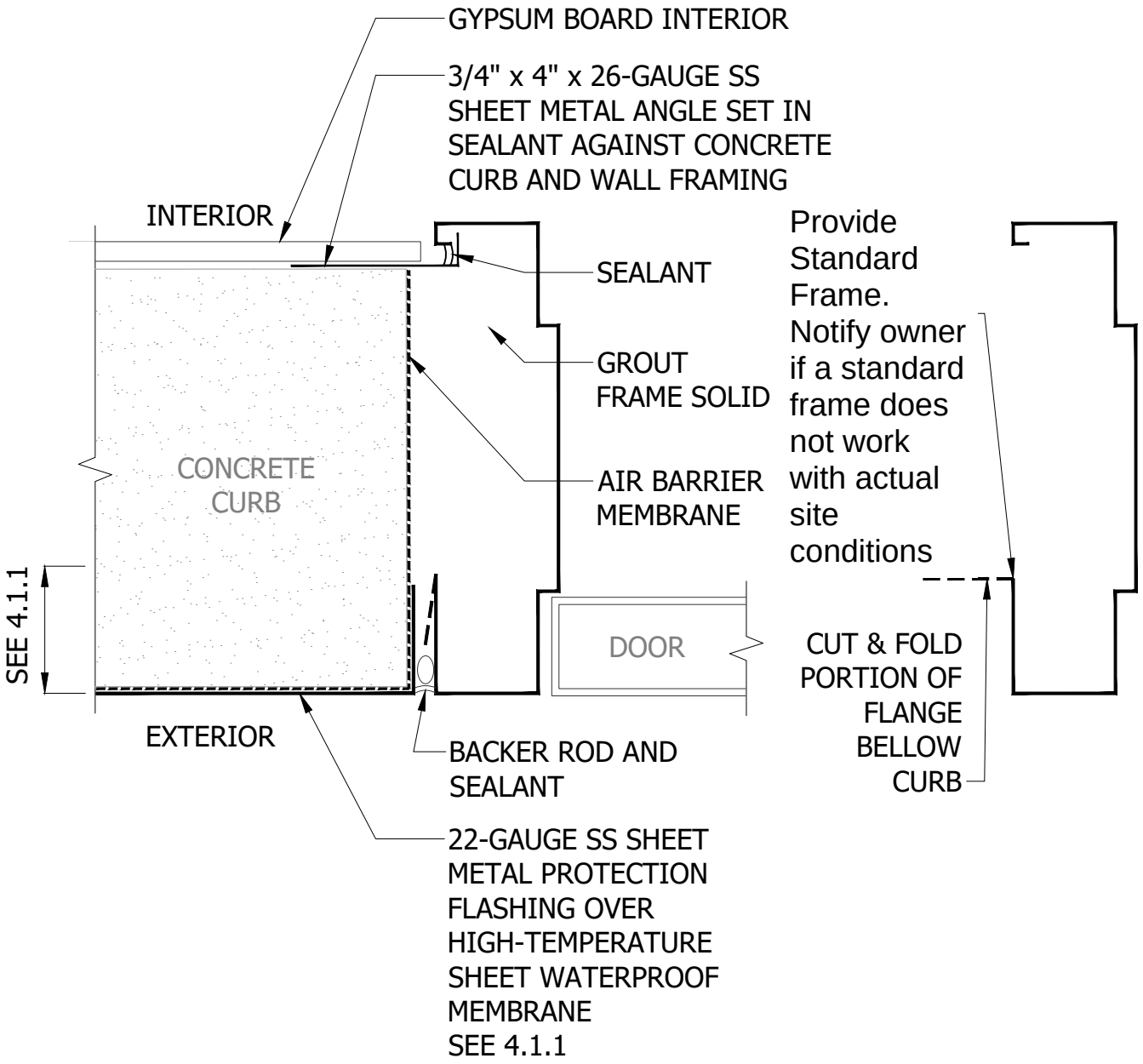
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT

DETAIL STANDARD

STOREFRONT HEAD FLASHING

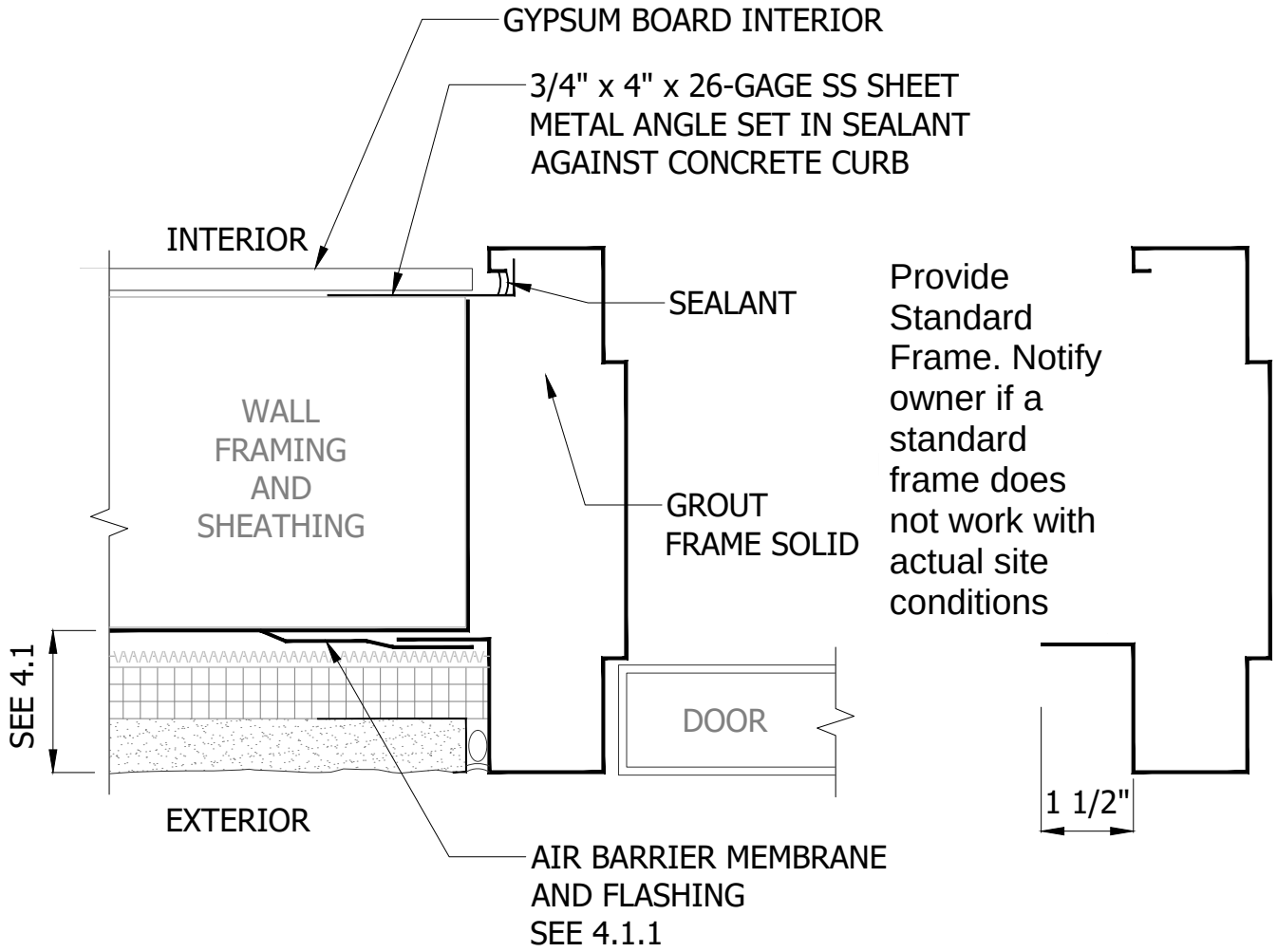
4.1.5

FLUID-APPLIED AIR BARRIER



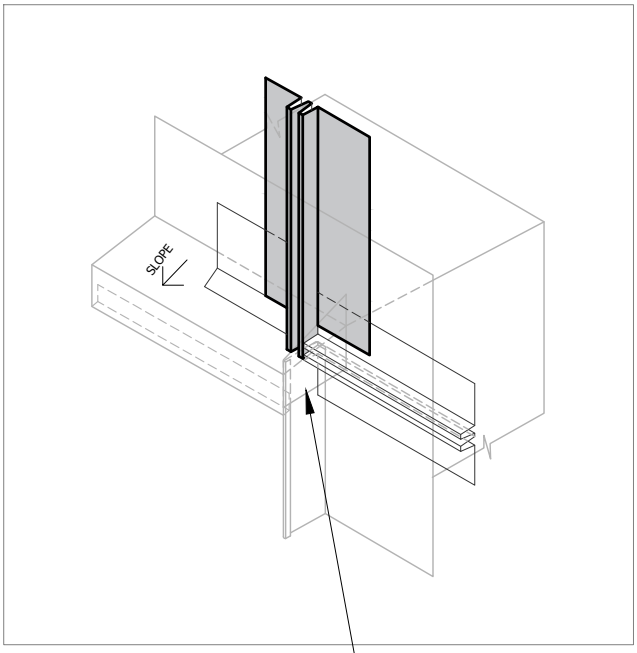
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	HOLLOW METAL DOOR THRESHOLD FLASHING	4.1.6

FLUID-APPLIED AIR BARRIER



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	HOLLOW METAL DOOR JAMB FLASHING	4.1.7

FLUID-APPLIED AIR BARRIER



ISOMETRIC VIEW

EXTEND HEAD FLASHING 1/2" PAST DOOR JAMB FLASHING

GYPSUM BOARD INTERIOR

SEE 4.1

WALL FRAMING AND SHEATHING

AIR BARRIER MEMBRANE

MINIMIZE GAP BETWEEN SCREED AND HEAD FLASHING

1 1/2"

AIR BARRIER MEMBRANE AND FLASHING

3/4" x 4" x 26-GAGE SS SHEET METAL ANGLE SET IN SEALANT AGAINST AIR BARRIER MEMBRANE EDGE AND DOOR FRAME

22-GAUGE TYPE 316 SS HEAD FLASHING WITH 95-DEGREE SLOPE HORIZONTAL, 3-INCH VERTICAL LEG AND 1/2" HEMMED DRIP EDGE

DOOR

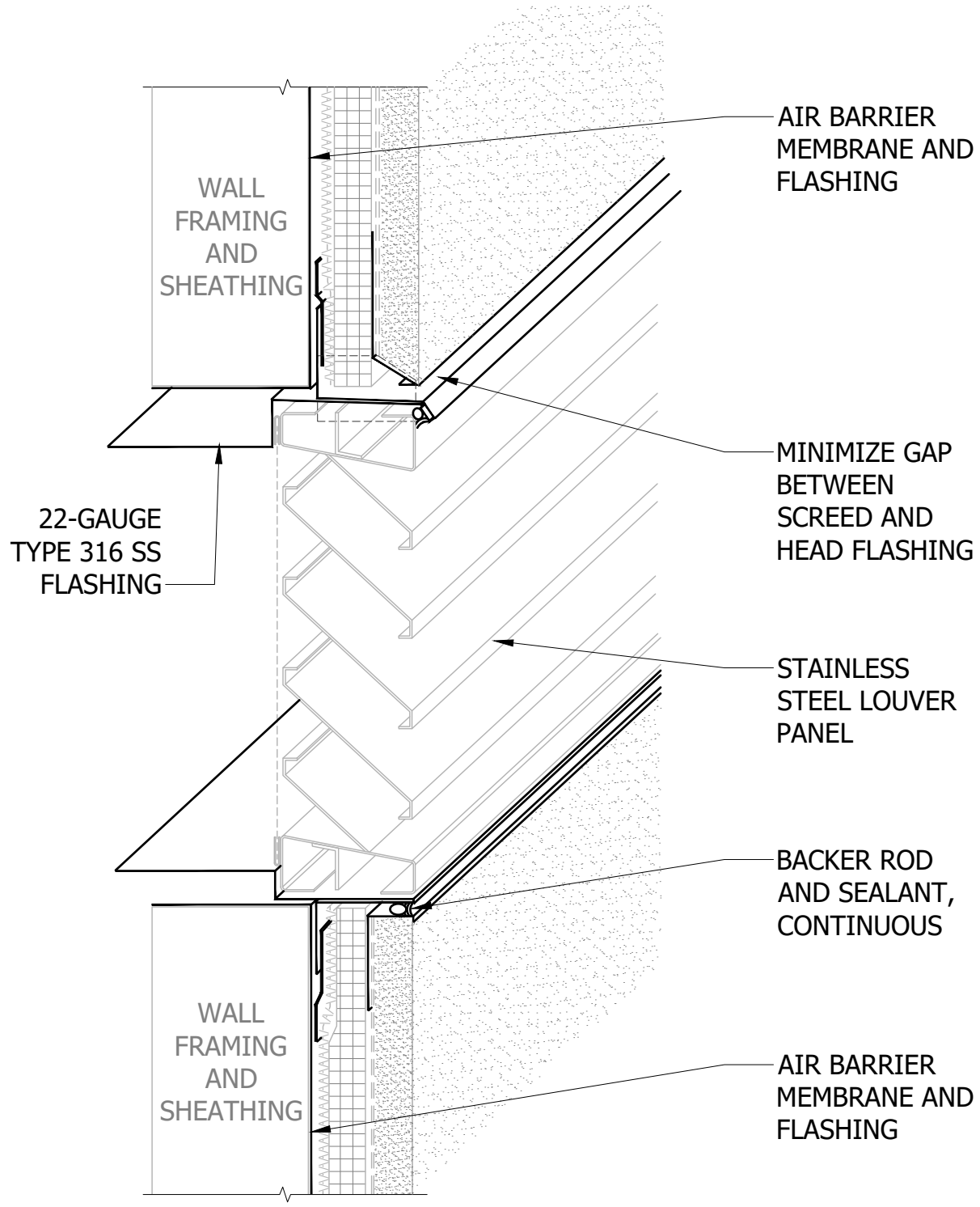
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT

DETAIL STANDARD

HOLLOW METAL DOOR HEAD FLASHING

4.1.8

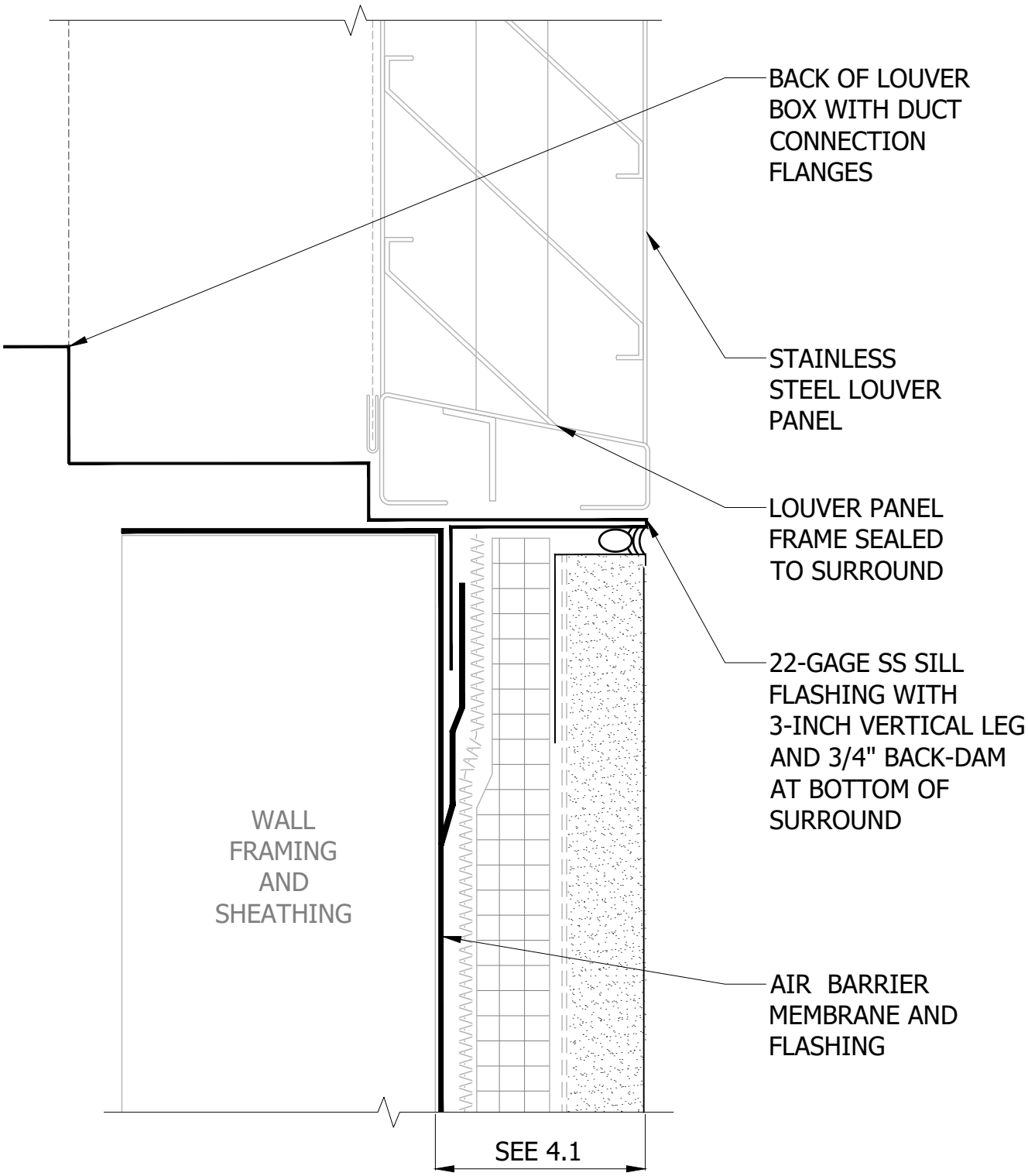
FLUID-APPLIED AIR BARRIER



OBLIQUE VIEW

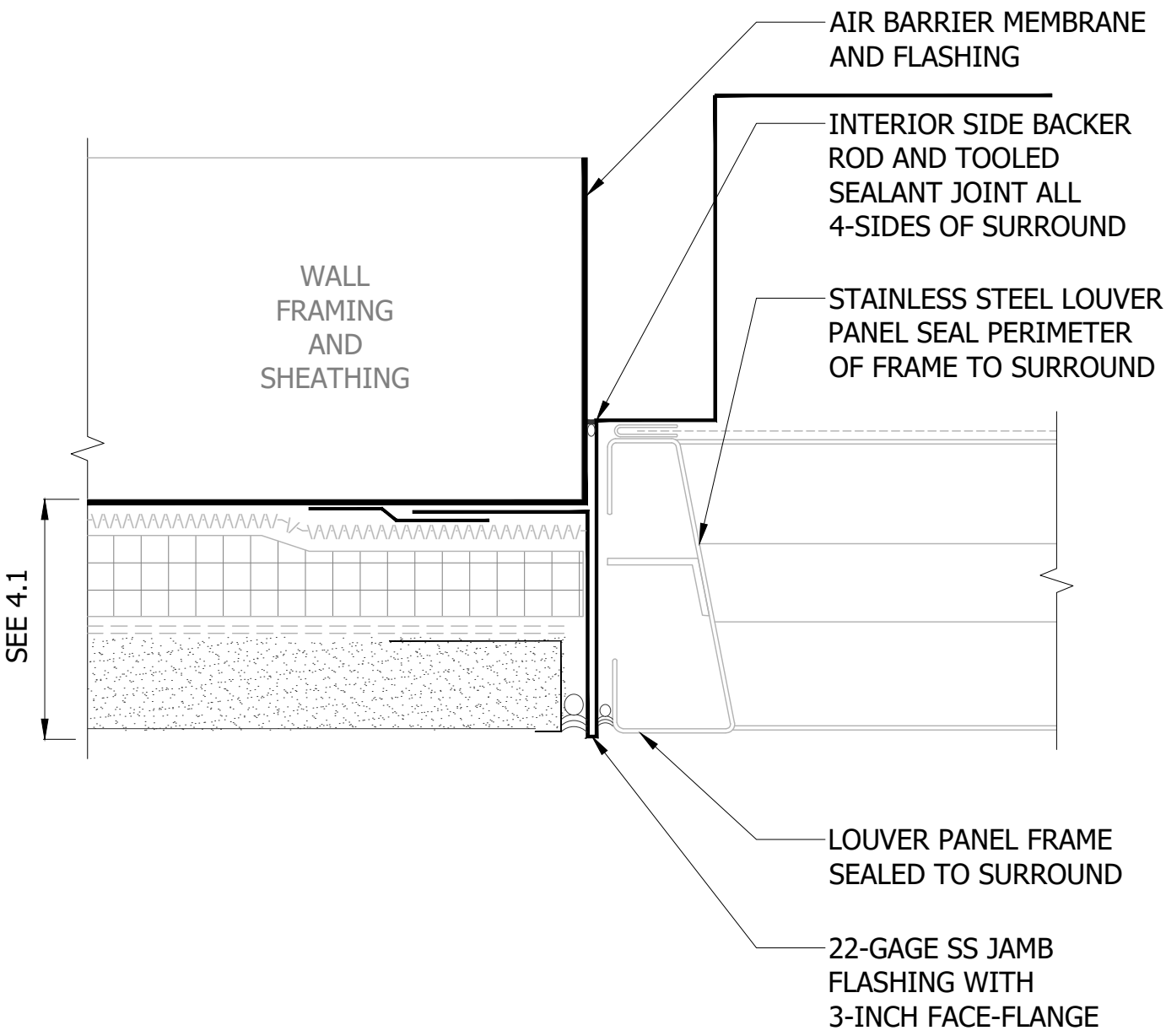
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	STAINLESS STEEL SURROUND AT LOUVER VENT PANEL	4.1.9

FLUID-APPLIED AIR BARRIER



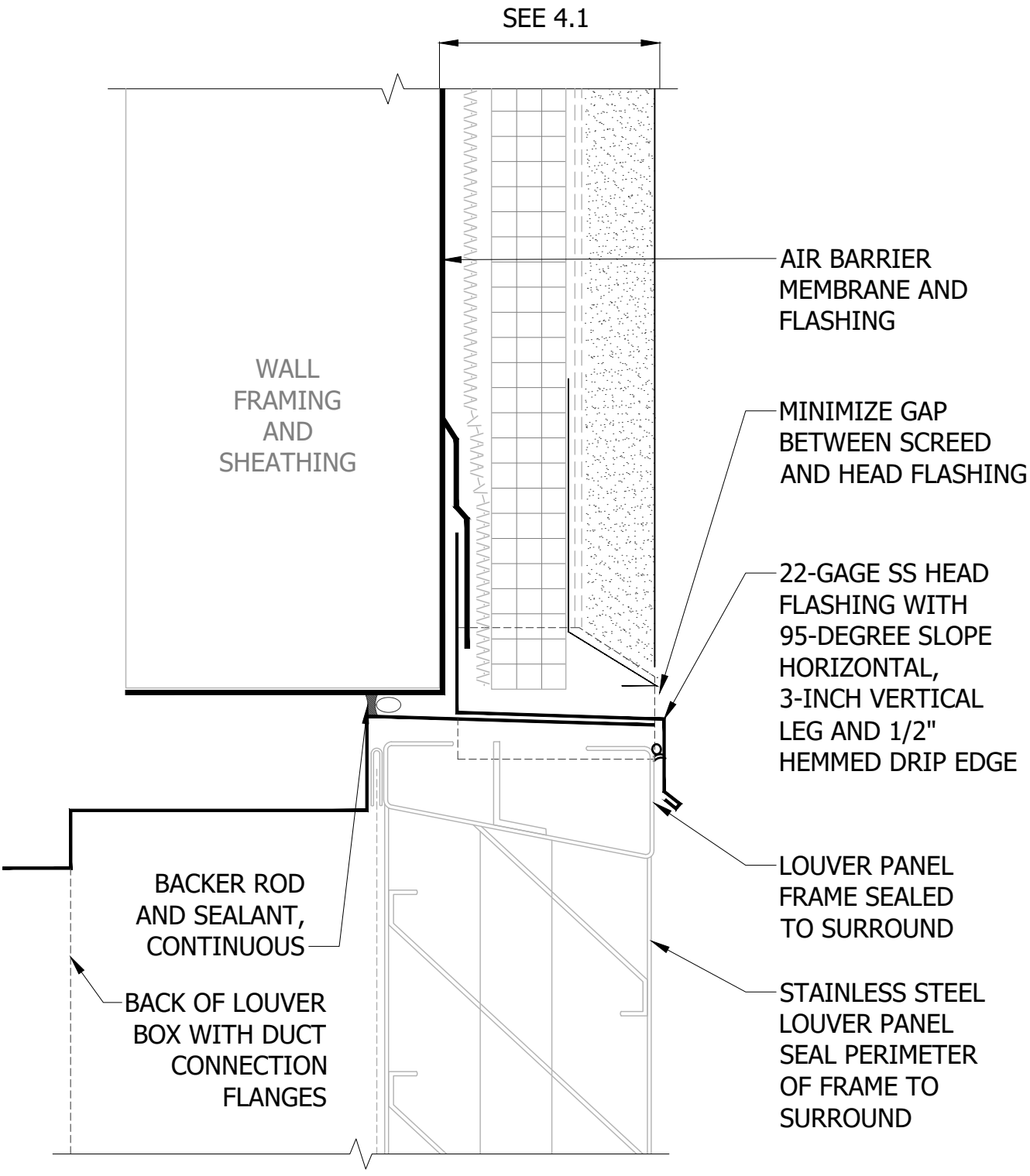
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	LOUVER VENT PANEL SILL FLASHING	4.1.10

FLUID-APPLIED AIR BARRIER



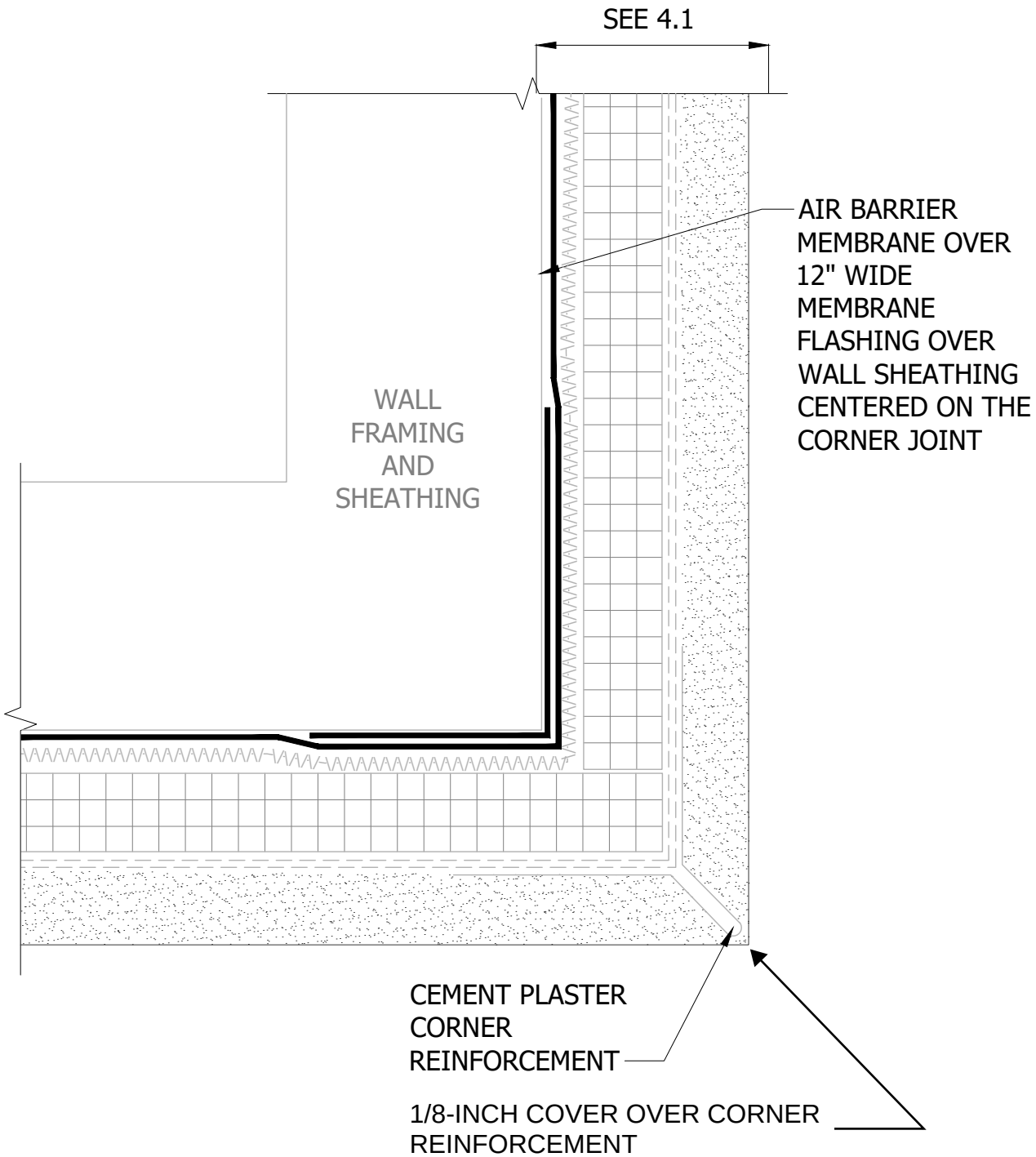
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	LOUVER VENT PANEL JAMB FLASHING	4.1.11

FLUID-APPLIED AIR BARRIER



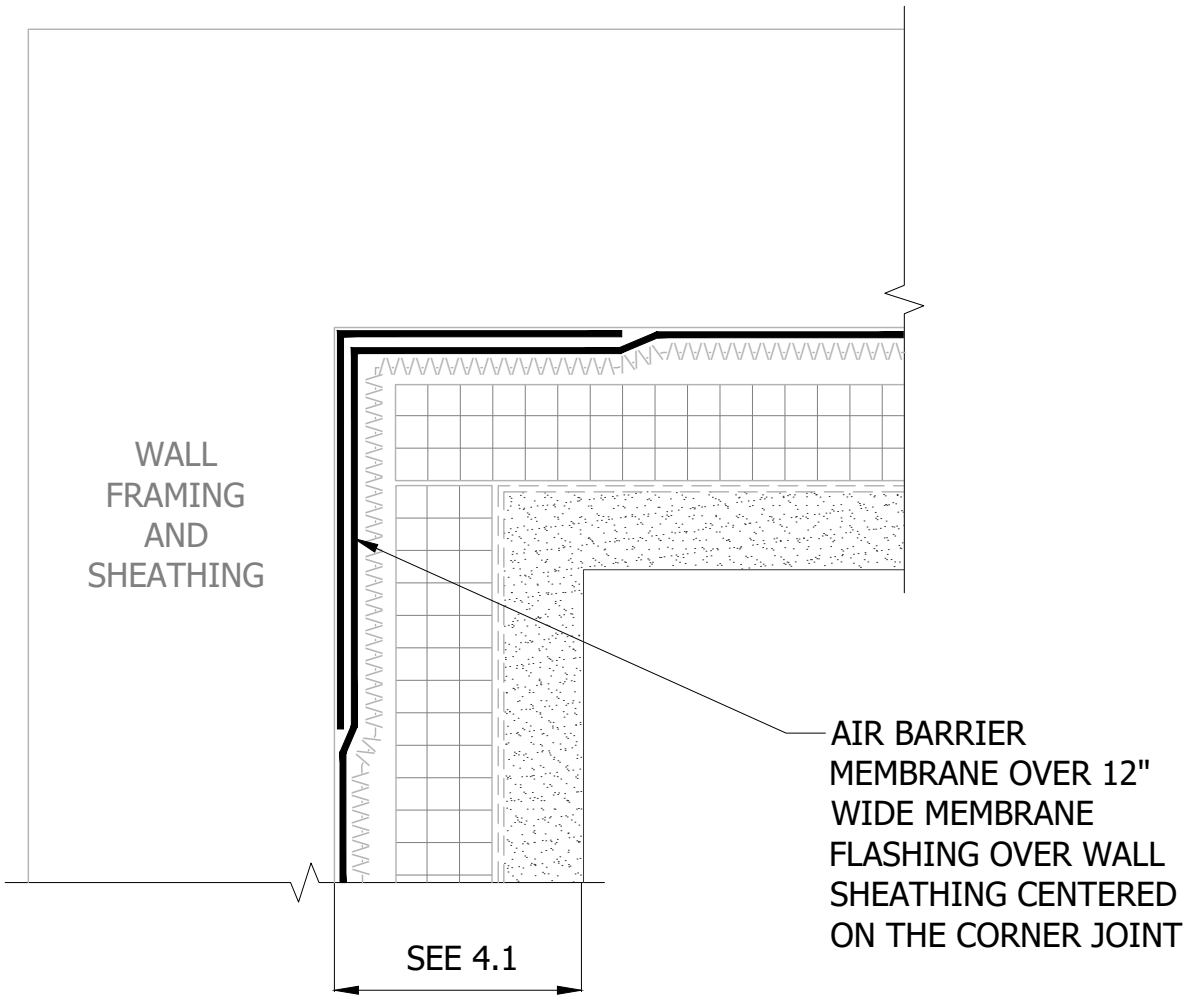
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	LOUVER VENT PANEL HEAD FLASHING	4.1.12

FLUID-APPLIED AIR BARRIER



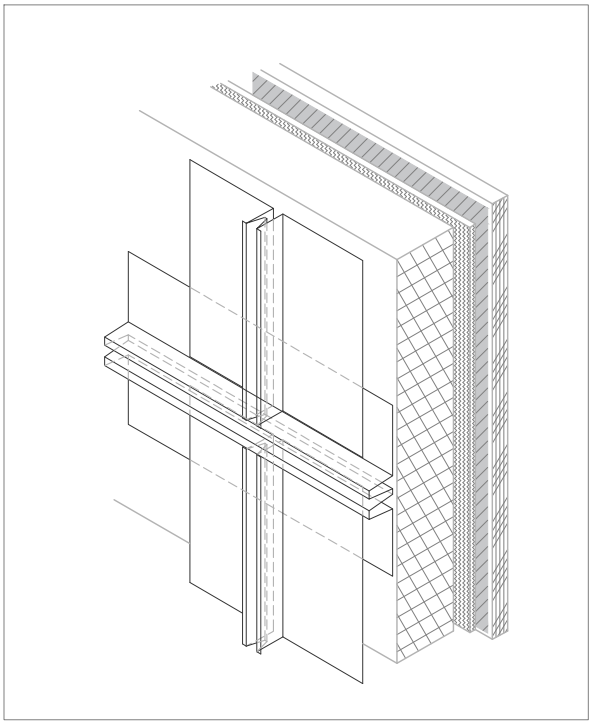
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	WALL EXTERIOR CORNER	4.1.13

FLUID-APPLIED AIR BARRIER

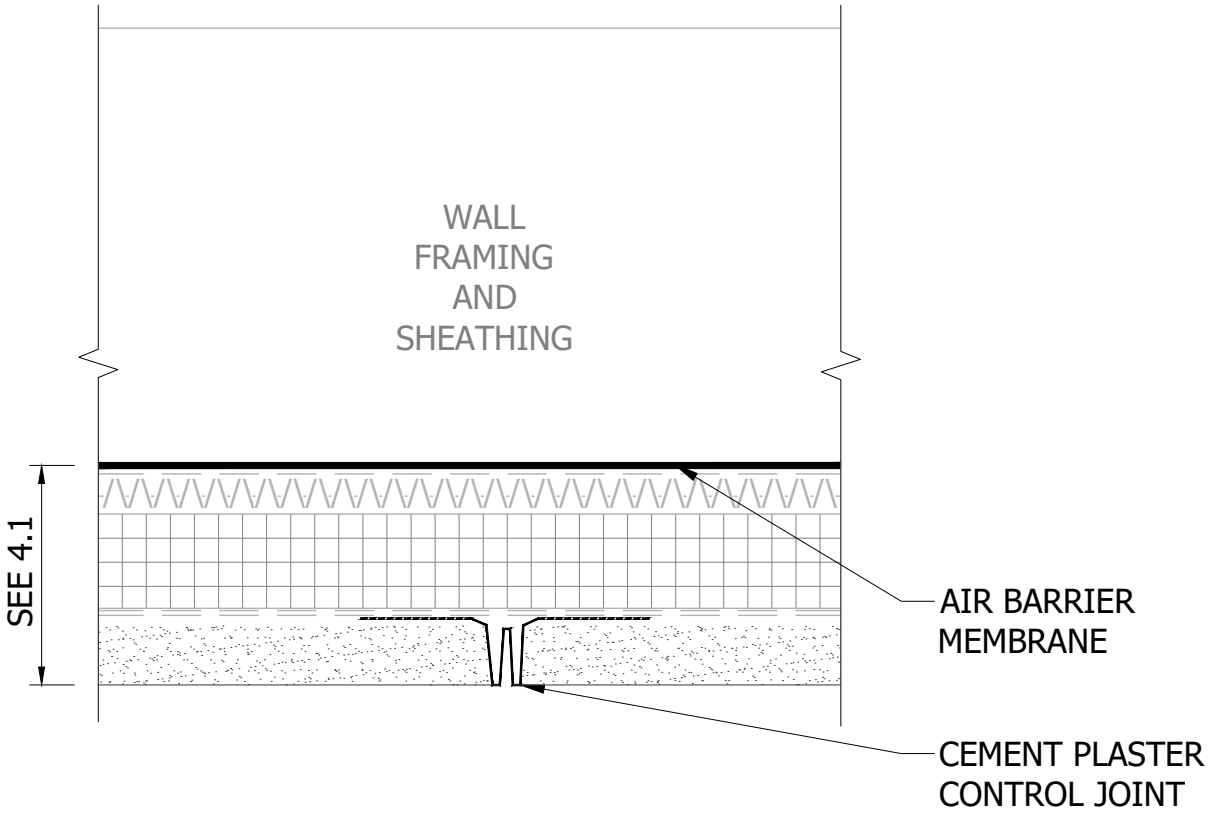


WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	WALL INTERIOR CORNER	4.1.14

FLUID-APPLIED AIR BARRIER

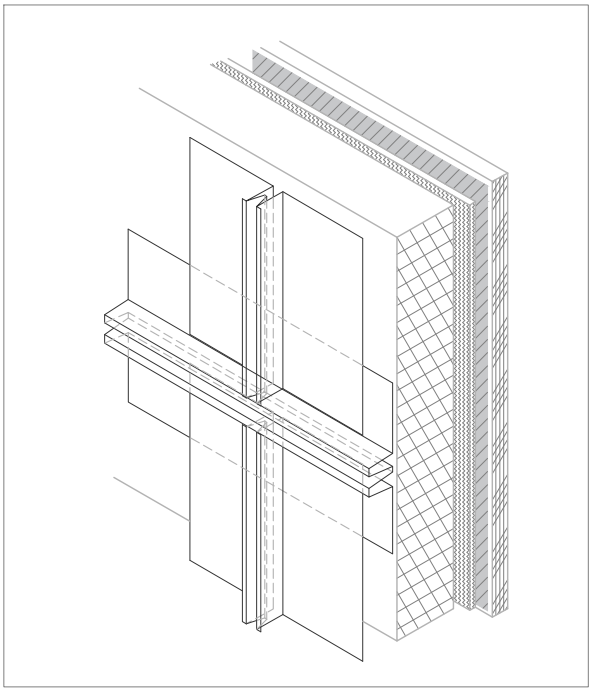


ISOMETRIC VIEW

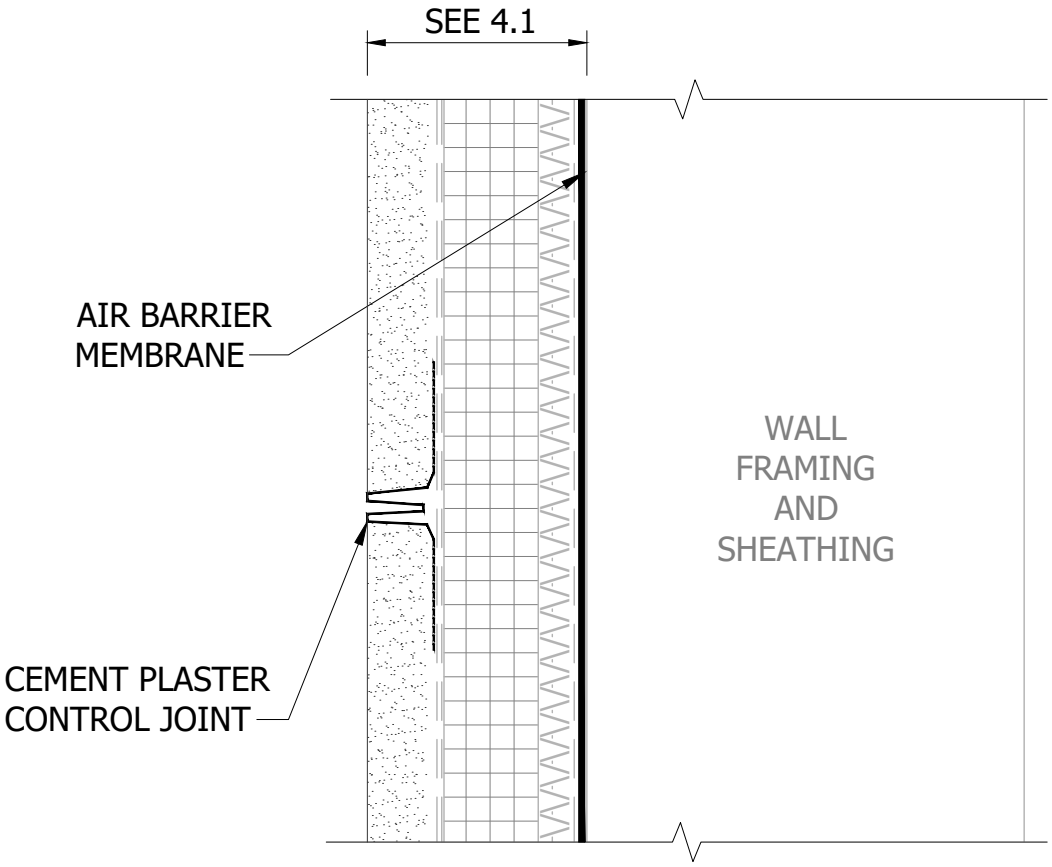


WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	CEMENT PLASTER CONTROL JOINT (VERTICAL)	4.1.15

FLUID-APPLIED AIR BARRIER



ISOMETRIC VIEW



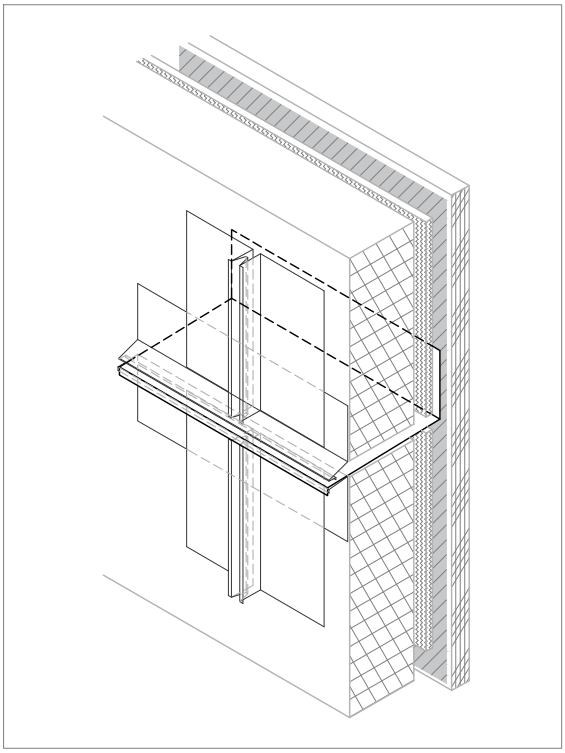
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT

DETAIL STANDARD

CEMENT PLASTER CONTROL JOINT (HORIZONTAL)

4.1.16

FLUID-APPLIED AIR BARRIER



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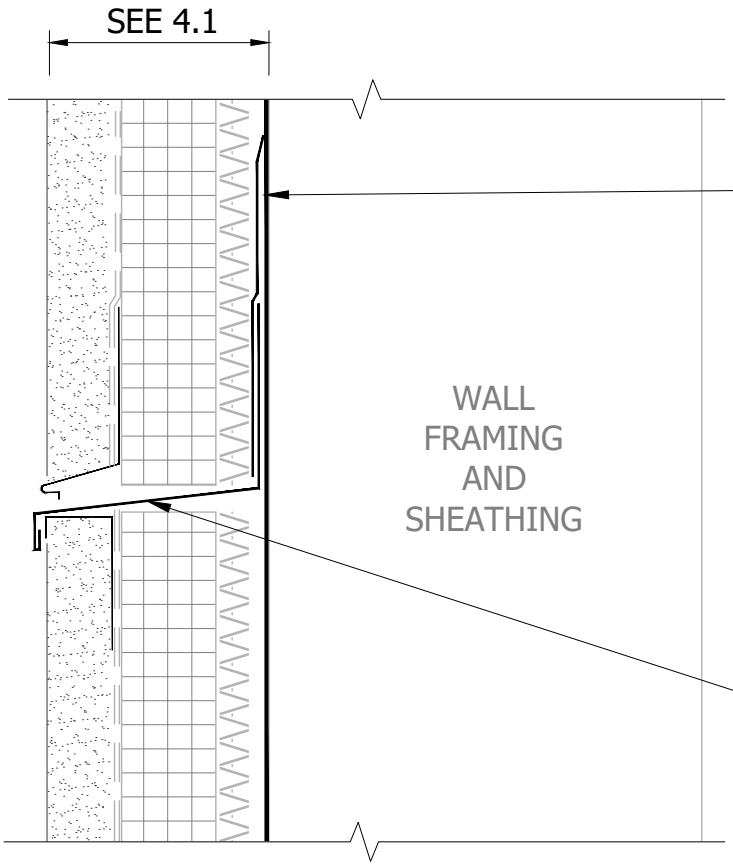


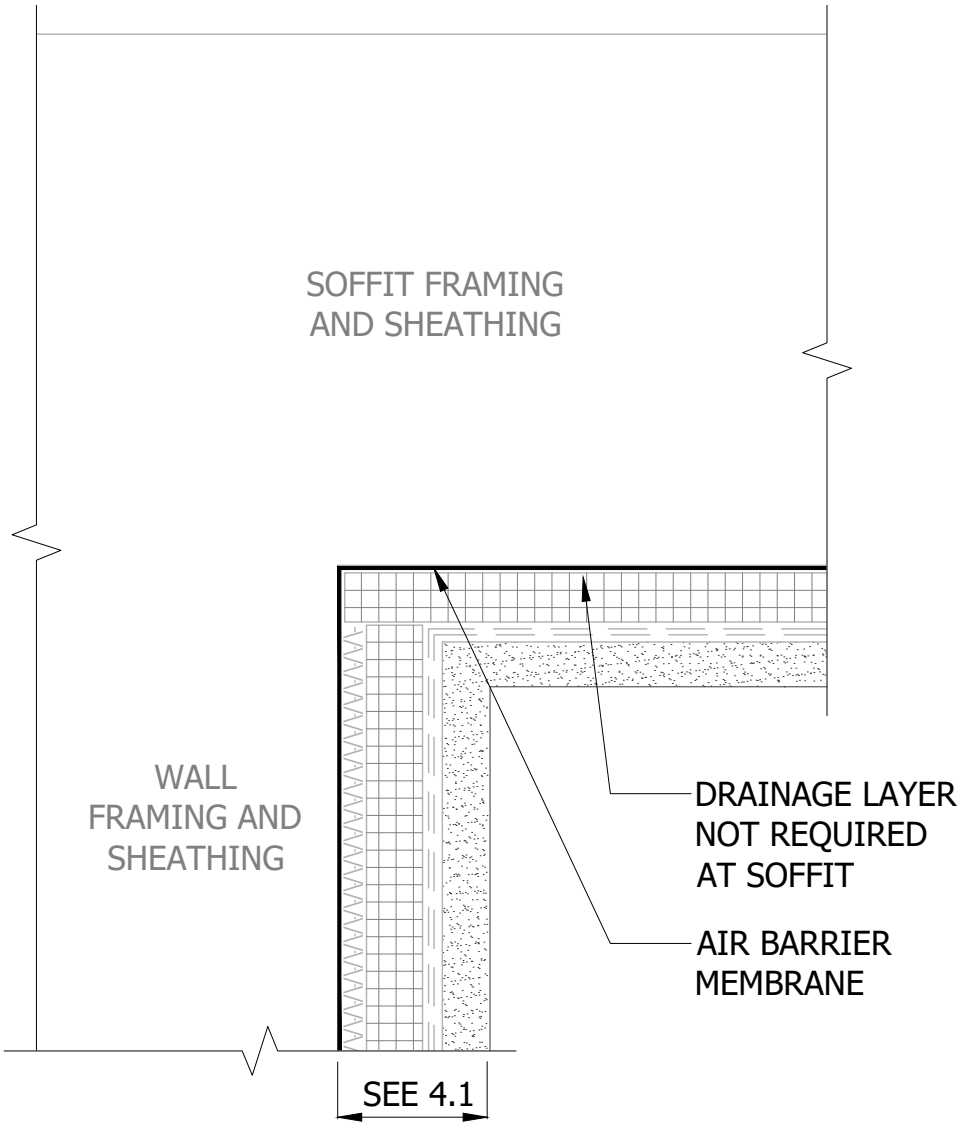
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT

DETAIL STANDARD

WALL MOVEMENT JOINT (HORIZONTAL)

4.1.17

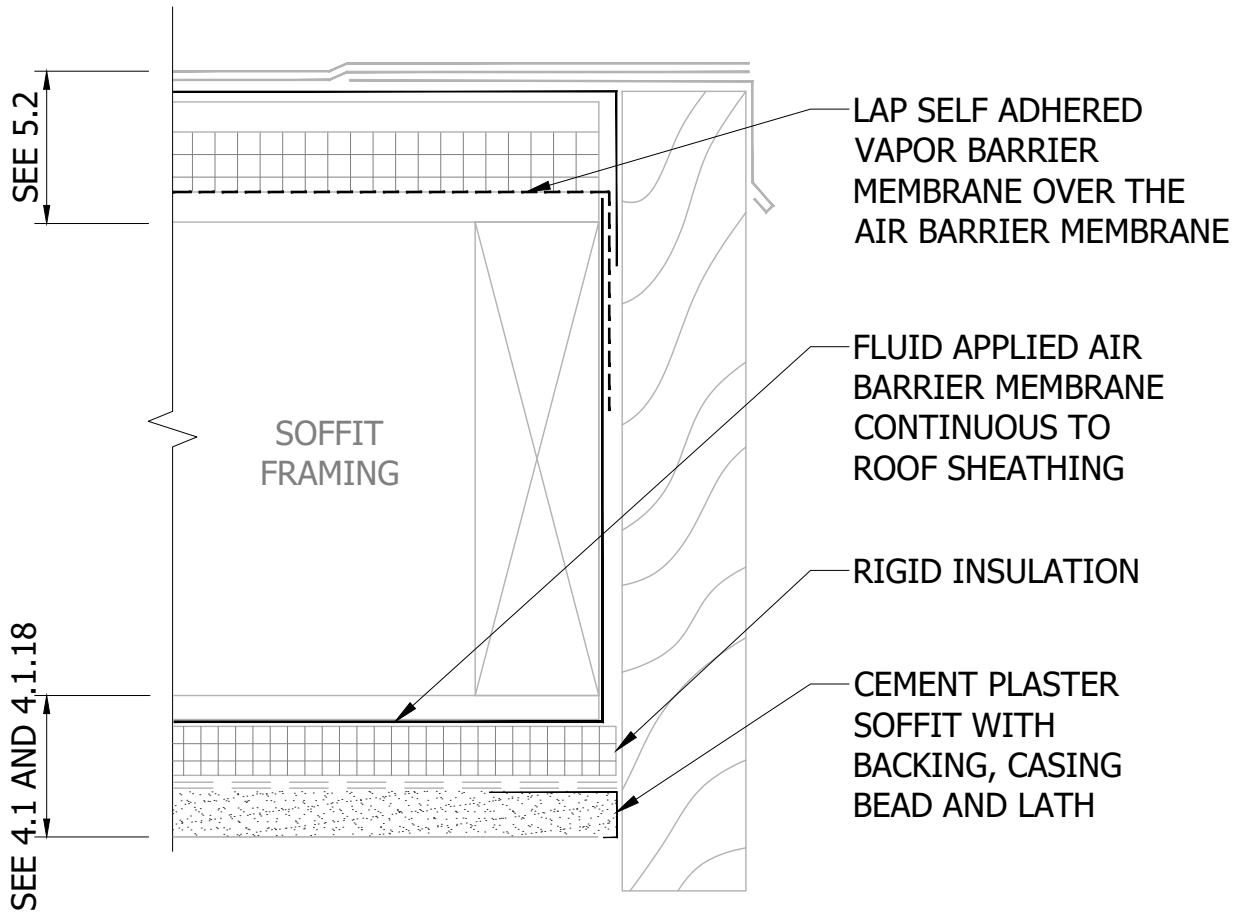
FLUID-APPLIED AIR BARRIER



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	WALL-TO-CEMENT PLASTER SOFFIT	4.1.18

FLUID-APPLIED AIR BARRIER

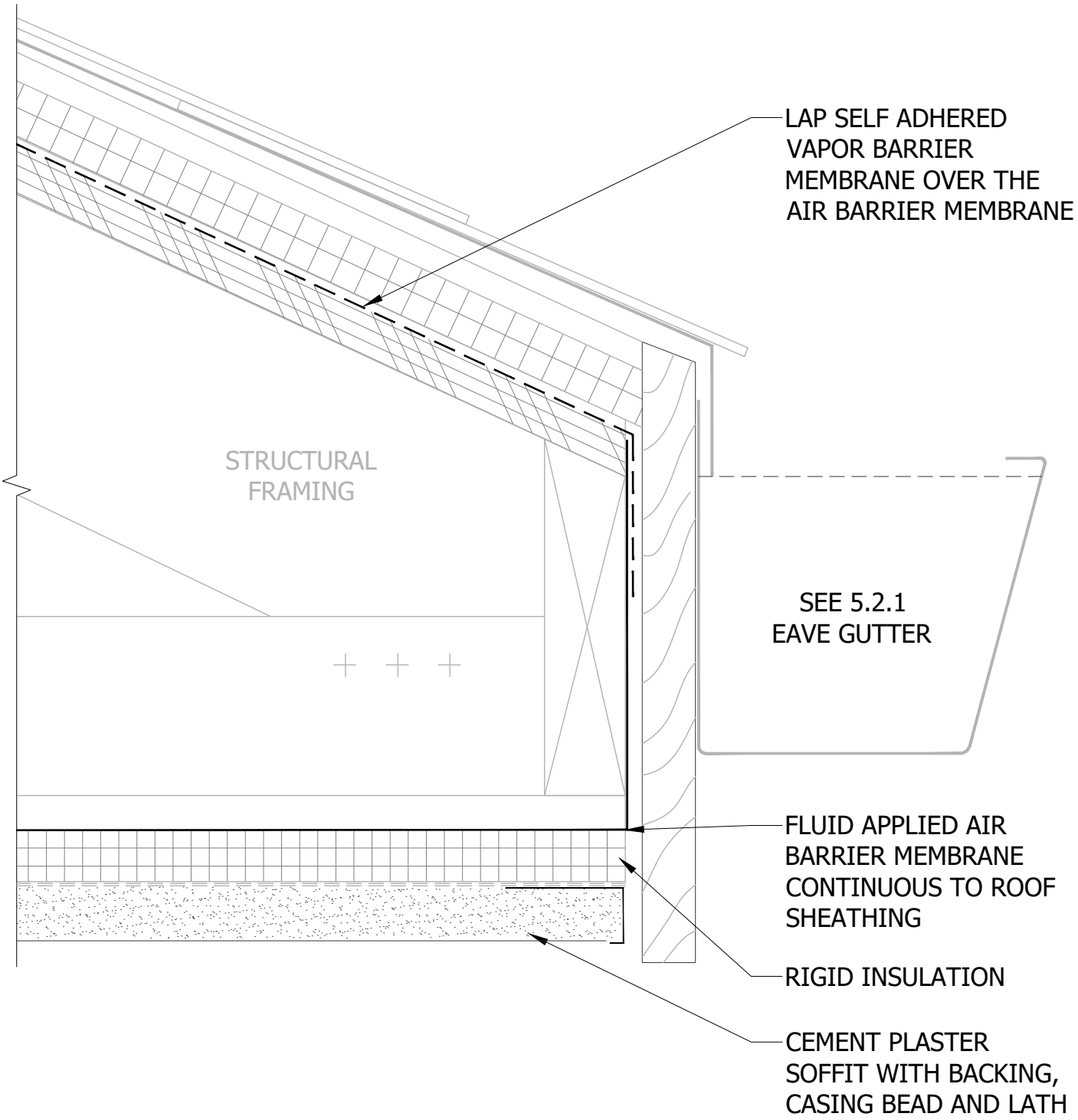
SEE 5.2 FOR ASPHALT COMPOSITION SHINGLE ROOFING ASSEMBLY



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	SOFFIT AT ROOF RAKE	4.1.19

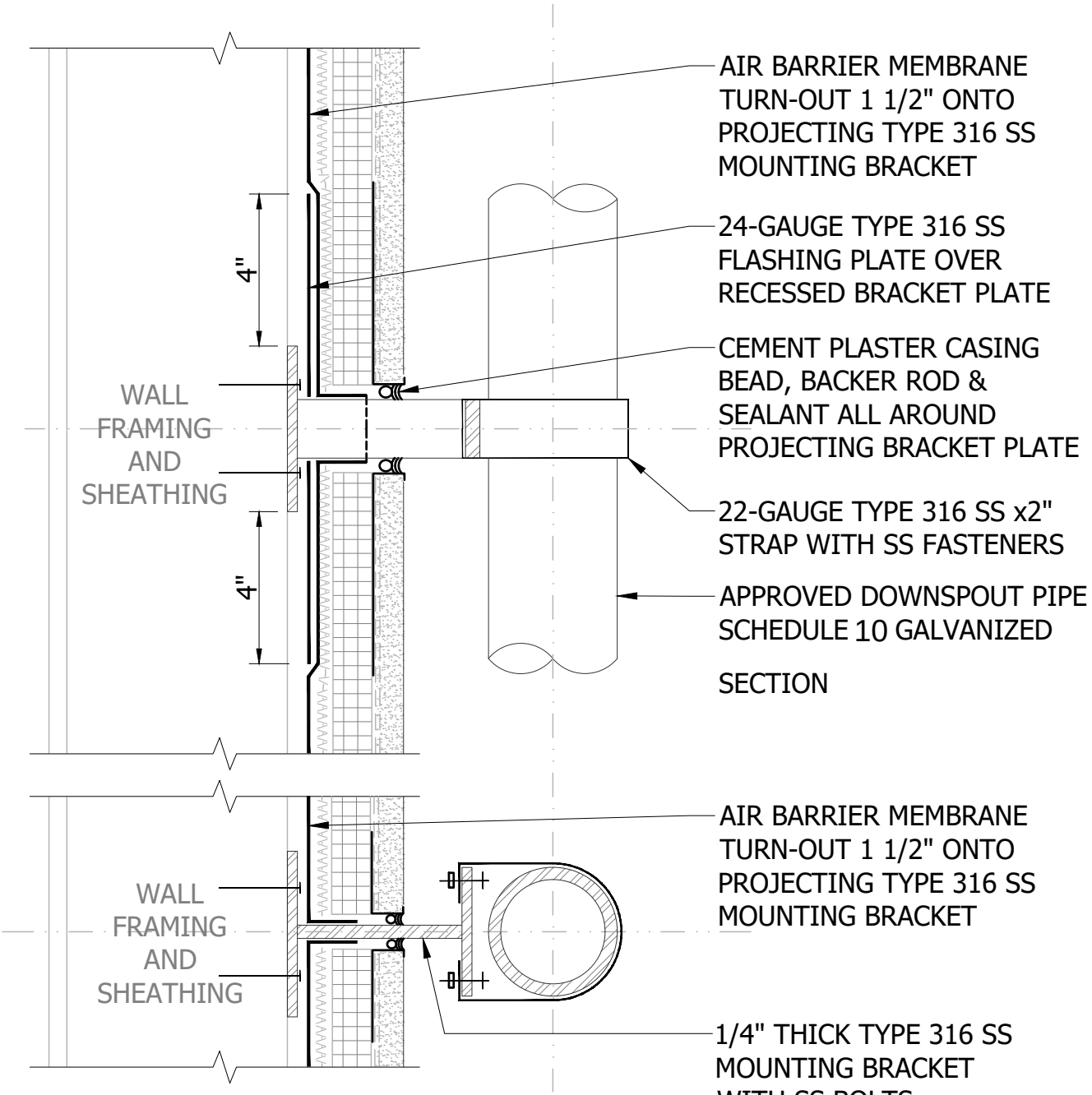
FLUID-APPLIED AIR BARRIER

SEE 5.2 FOR ASPHALT COMPOSITION SHINGLE ROOFING ASSEMBLY



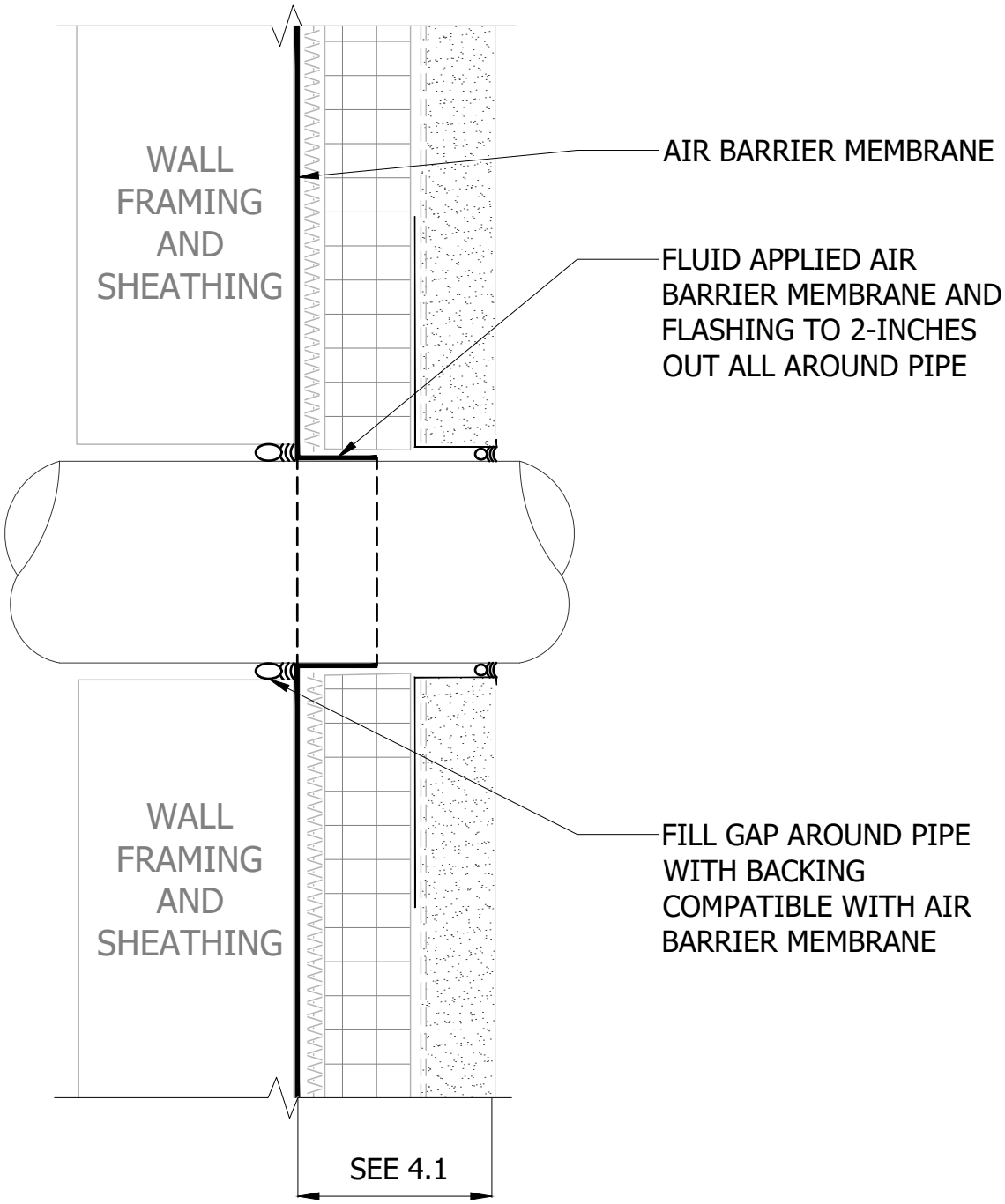
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	SOFFIT AT EAVE GUTTER	4.1.20

FLUID-APPLIED AIR BARRIER



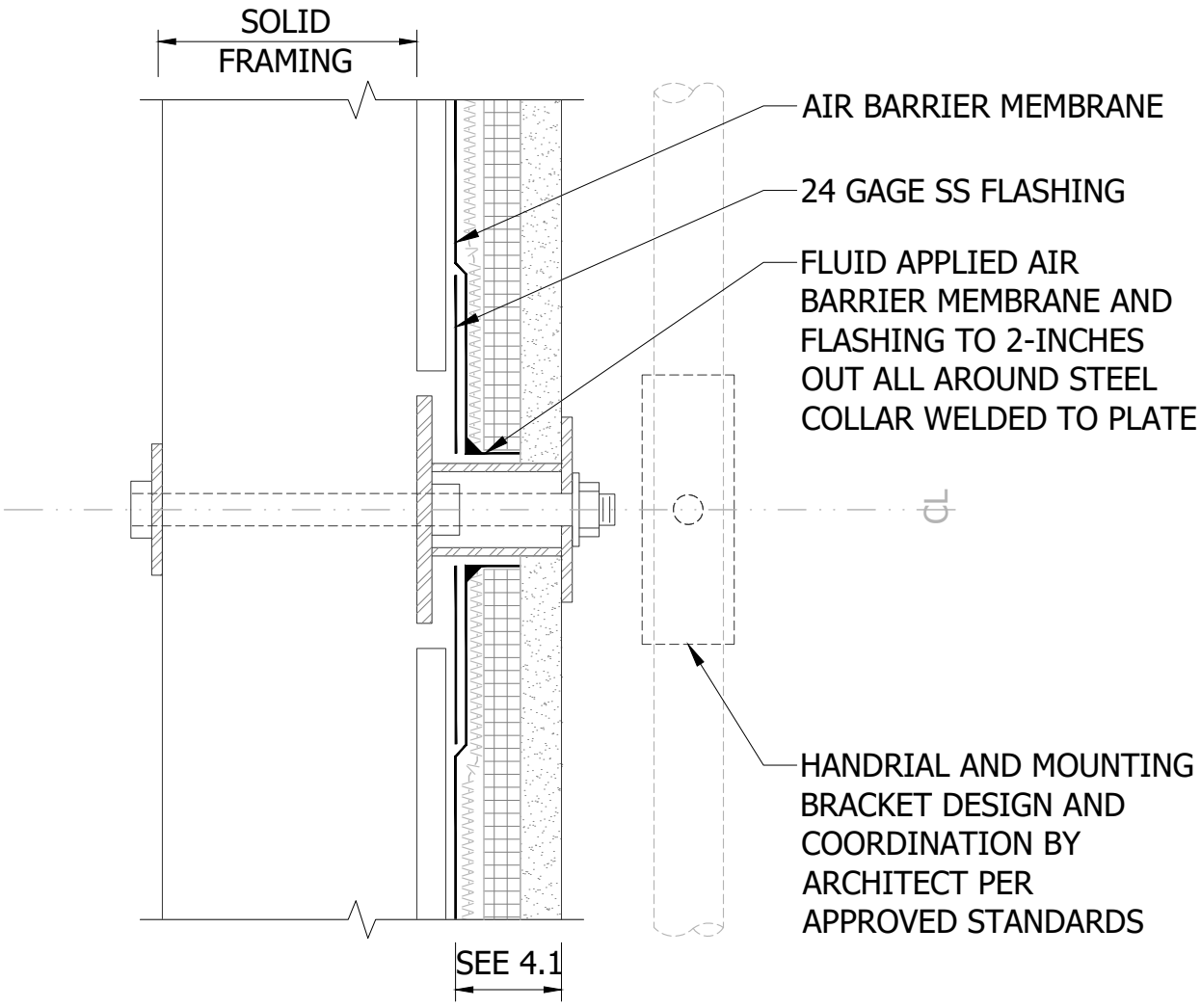
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	RAINWATER LEADER BRACKET FLASHING	4.1.21

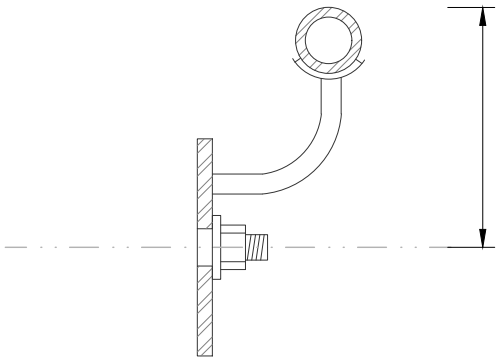
FLUID-APPLIED AIR BARRIER



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	PIPE PENETRATION FLASHING	4.1.22

FLUID-APPLIED AIR BARRIER

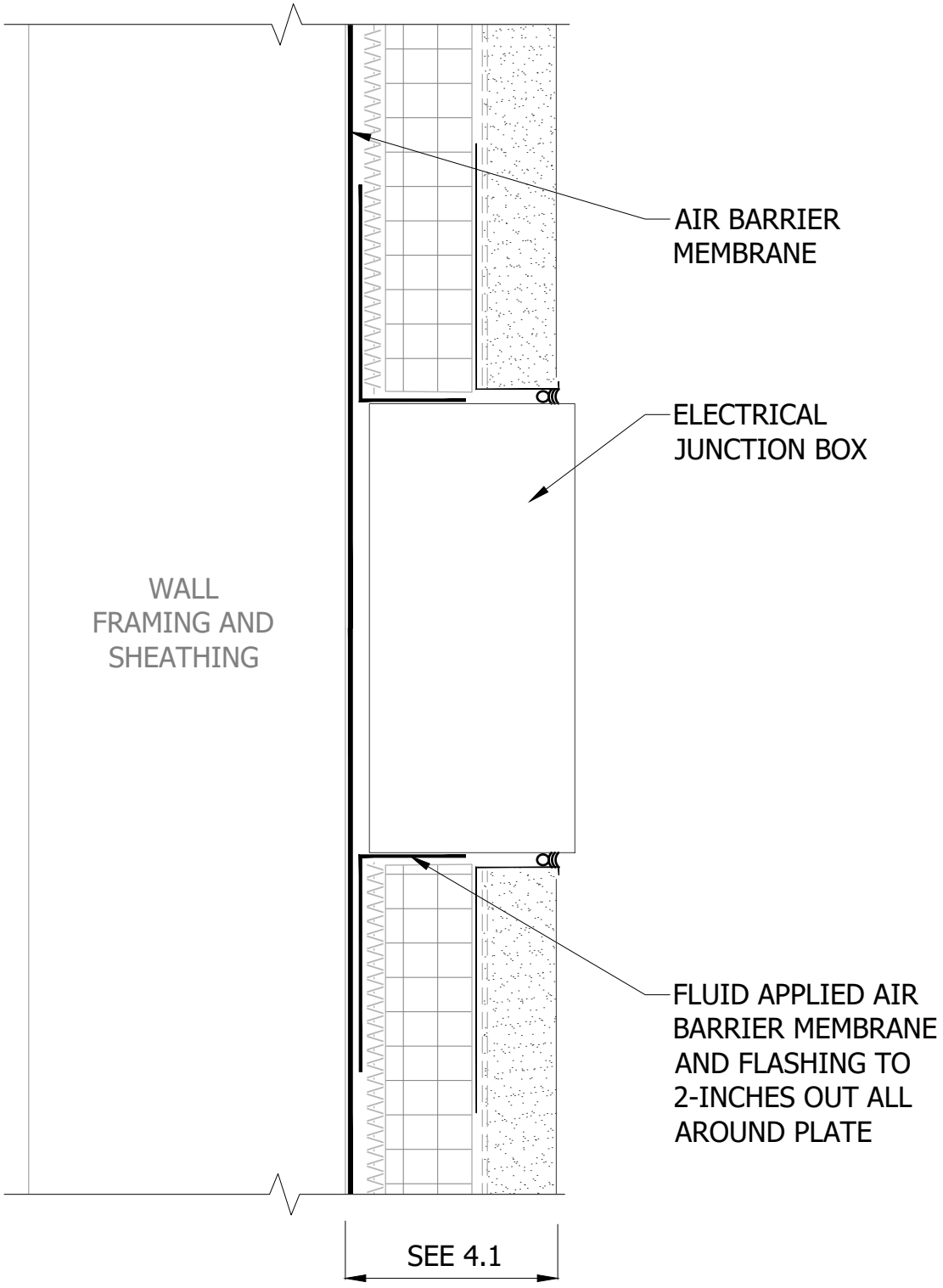




SECTION VIEW OF MOUNTING BRACKET
BRACKET DESIGN BY ARCHITECT

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	PIPE HANDRAIL MOUNTING BRACKET FLASHING	4.1.23

FLUID-APPLIED AIR BARRIER



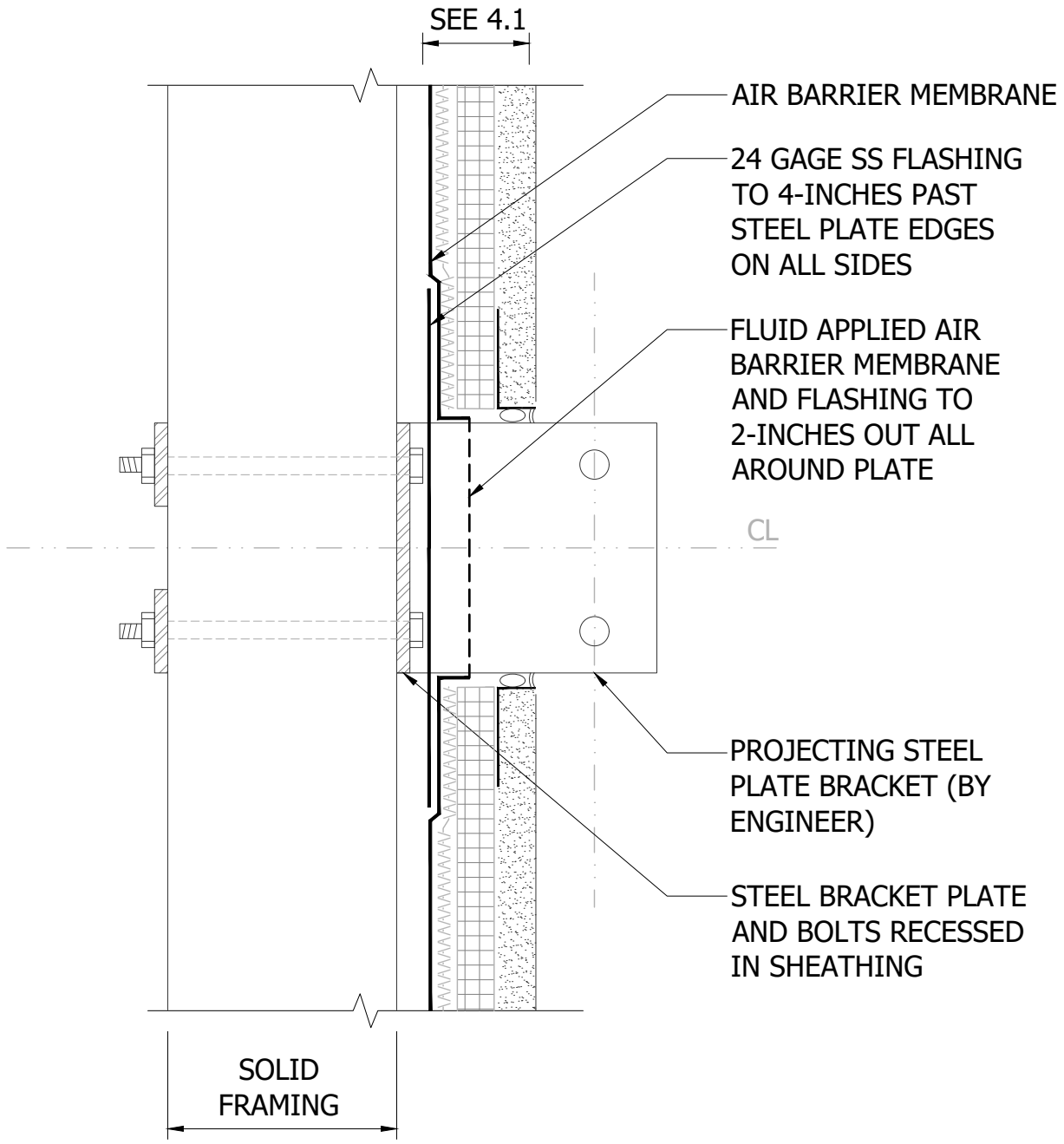
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT

DETAIL STANDARD

ELECTRICAL CONDUIT PENETRATION FLASHING

4.1.24

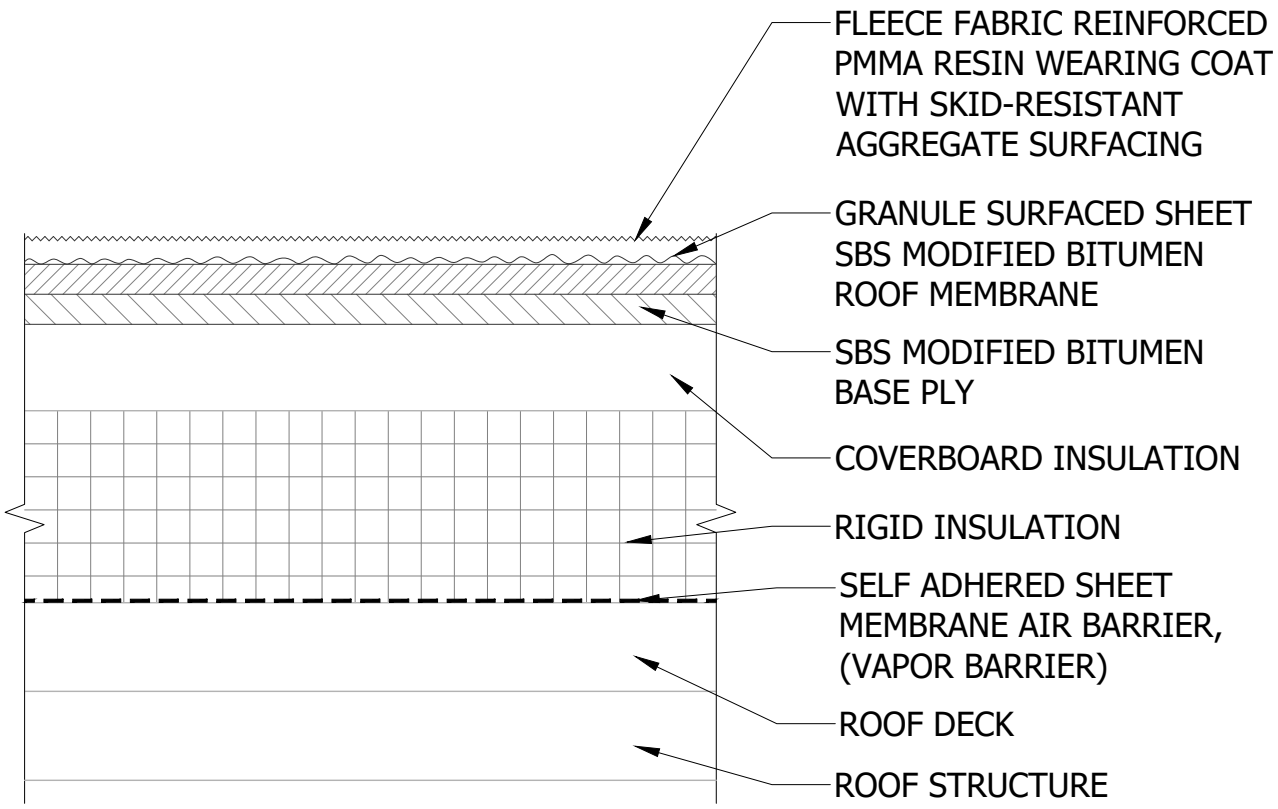
FLUID-APPLIED AIR BARRIER



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	AWNING MOUNTING BRACKET FLASHING	4.1.25

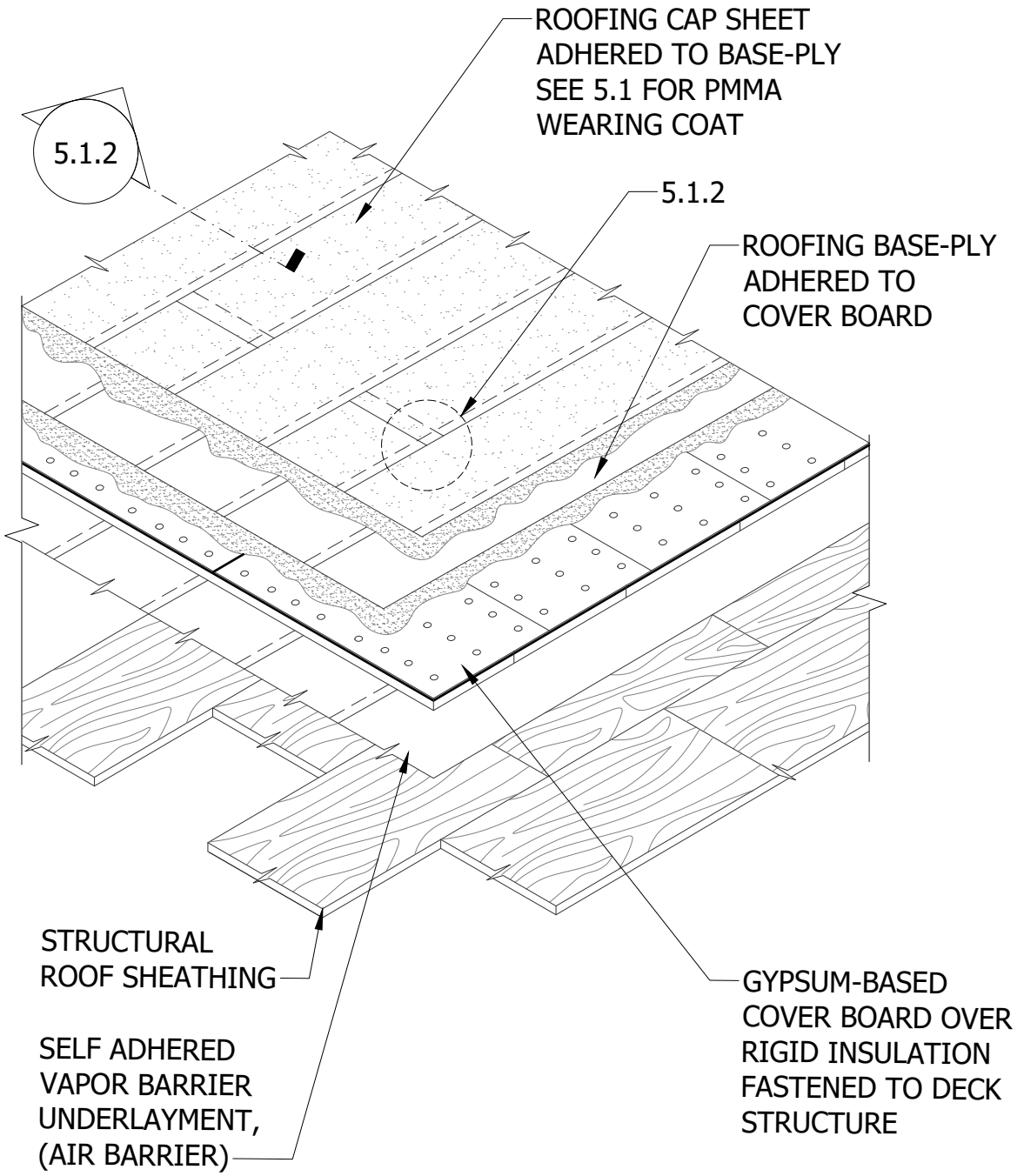
ROOFING ASSEMBLY

MODIFIED BITUMINOUS SHEET ROOFING



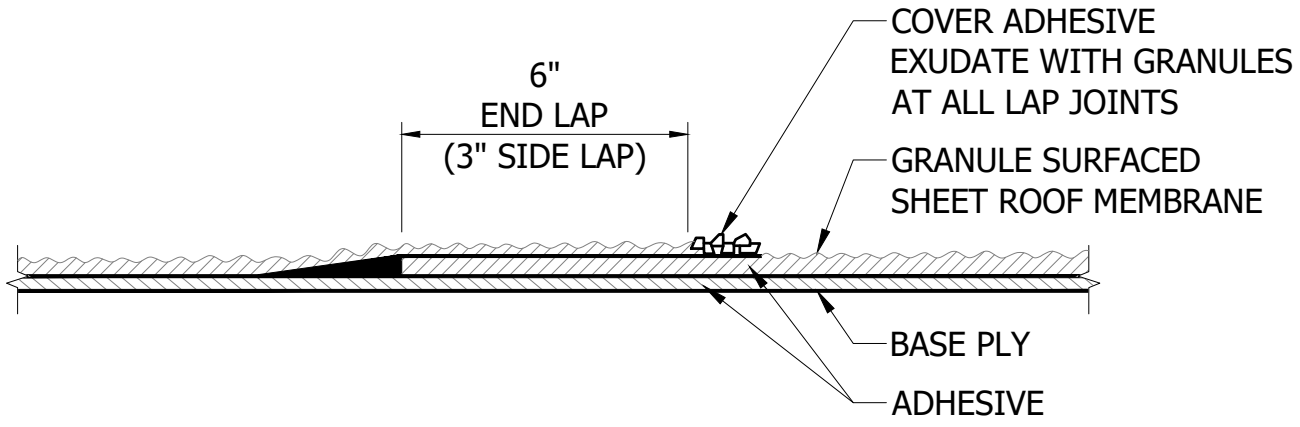
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	2-PLY MODIFIED BITUMEN WITH PMMA WEARING COAT (LOW-SLOPE)	5.1

MODIFIED BITUMINOUS SHEET ROOFING

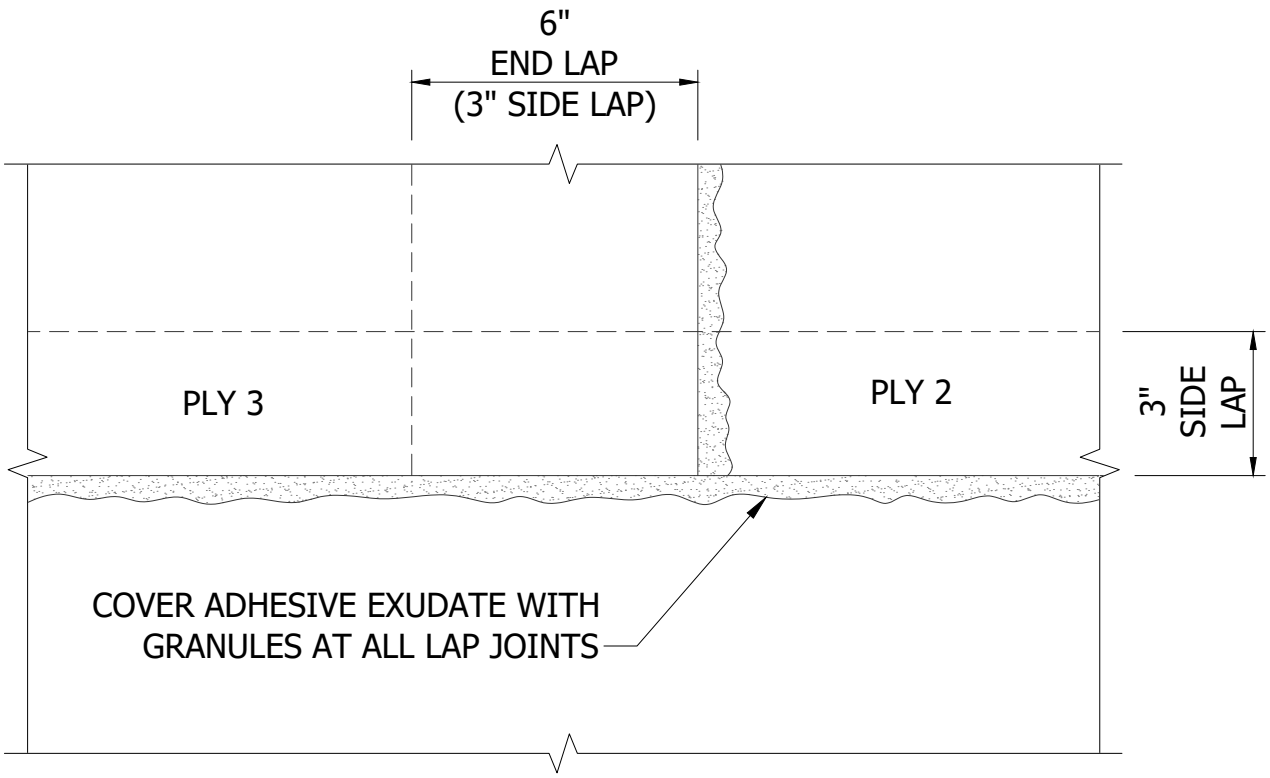


WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	ROOFING ASSEMBLY	5.1.1

MODIFIED BITUMINOUS SHEET ROOFING



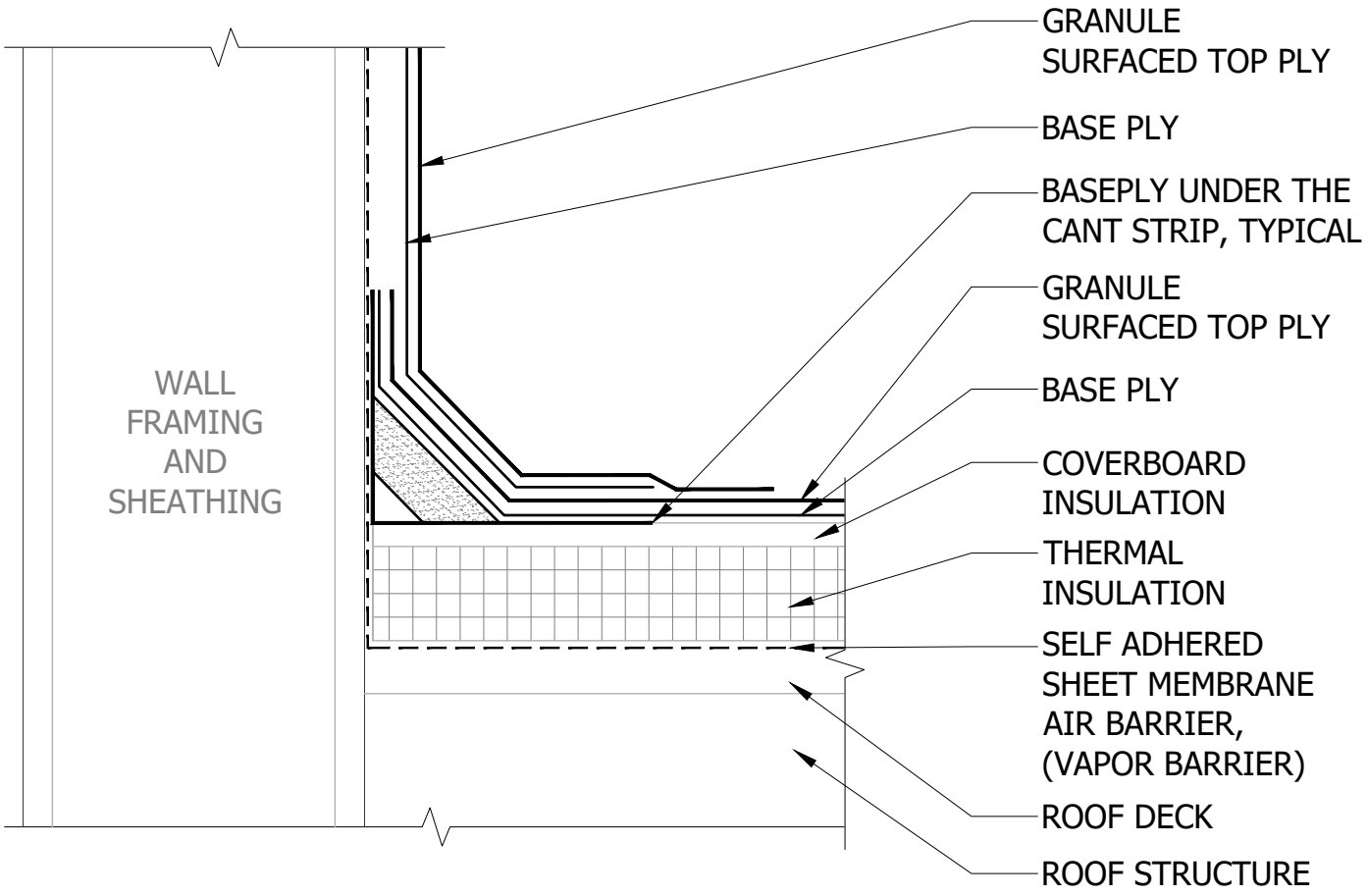
SECTION THROUGH ROOFING PLIES AT LAP JOINT



PLAN VIEW AT T-JOINT
(INTERSECTION OF LAP JOINTS AT END AND SIDE)

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	MEMBRANE LAP JOINT & T-JOINT	5.1.2

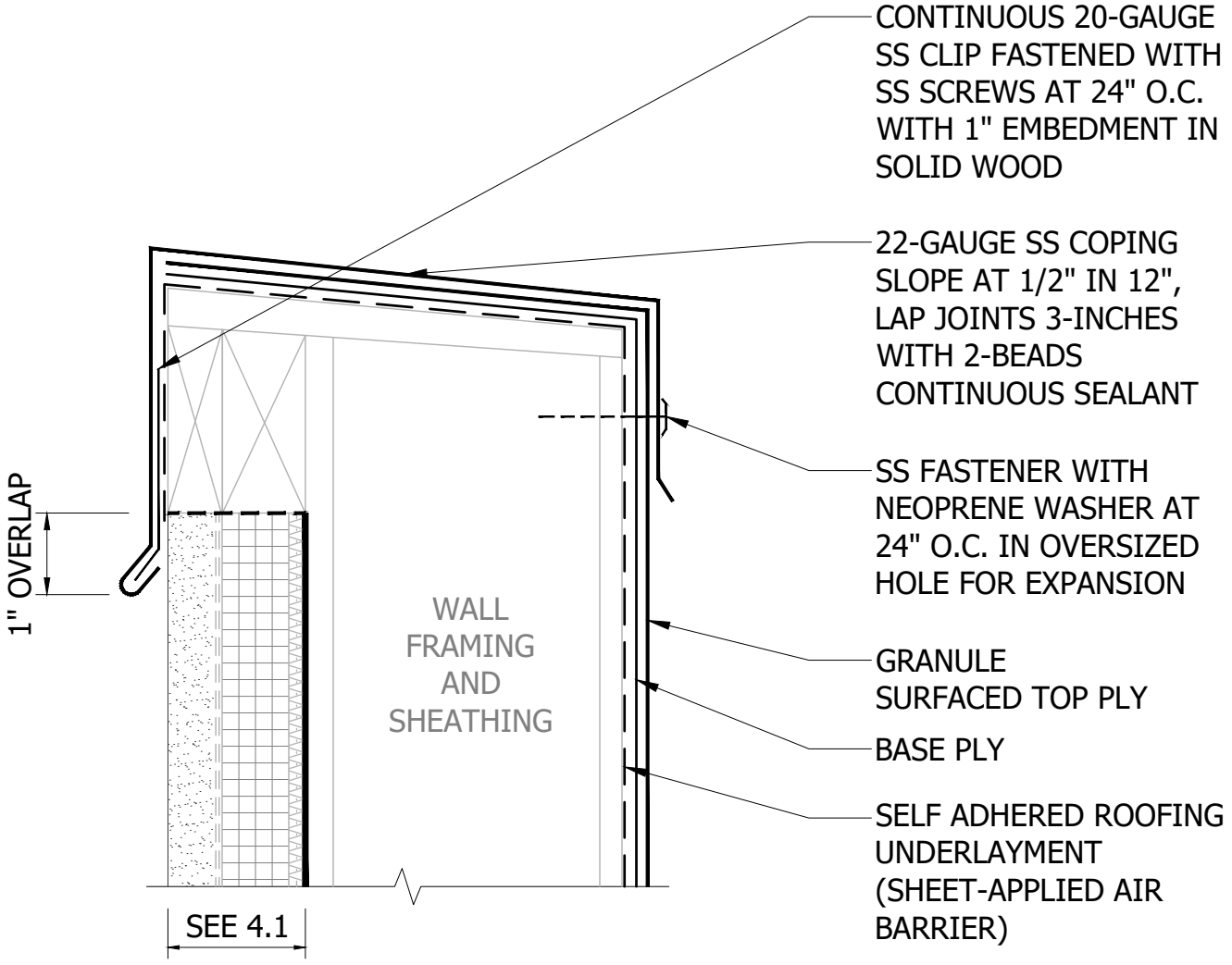
MODIFIED BITUMINOUS SHEET ROOFING
(SHEET-APPLIED AIR BARRIER)



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	WALL BASE FLASHING	5.1.3

MODIFIED BITUMINOUS SHEET ROOFING (FLUID AND SHEET-APPLIED AIR BARRIER)

ARCHITECT TO COORDINATE ROOF MEMBRANE AND AIR BARRIER MEMBRANE FLASHING LAP SEQUENCE WITH GENERAL CONTRACTOR

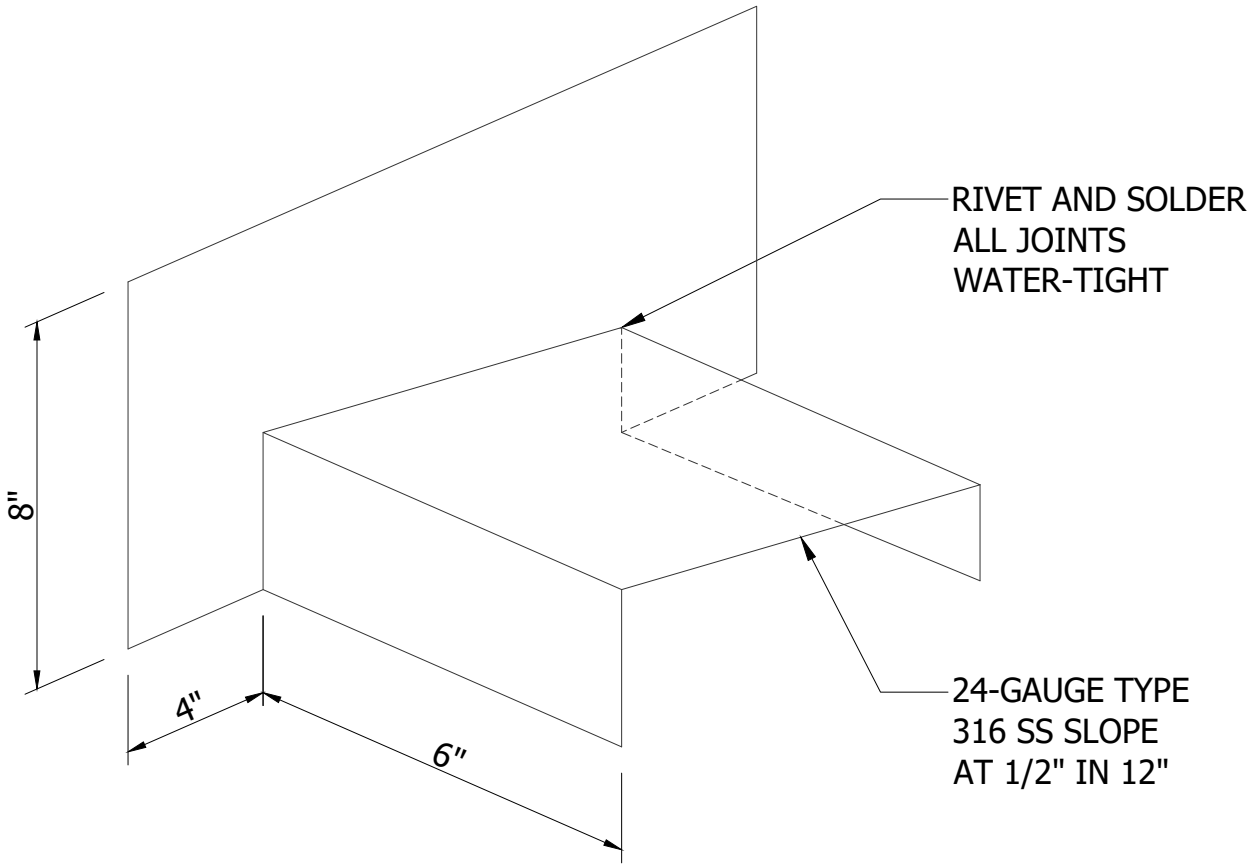


WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	PARAPET CAP FLASHING	5.1.4

MODIFIED BITUMINOUS SHEET ROOFING
(FLUID AND SHEET-APPLIED AIR BARRIER)

NOTE: AIR BARRIER MEMBRANE UNDER AND OVER SADDLE FLASHING AT EXTERIOR FINISHED WALLS AND AT ROOF PARAPET WALLS AND AT ROOF DIVIDING WALLS

ARCHITECT TO COORDINATE ROOF MEMBRANE AND AIR BARRIER MEMBRANE FLASHING LAP SEQUENCE WITH GENERAL CONTRACTOR



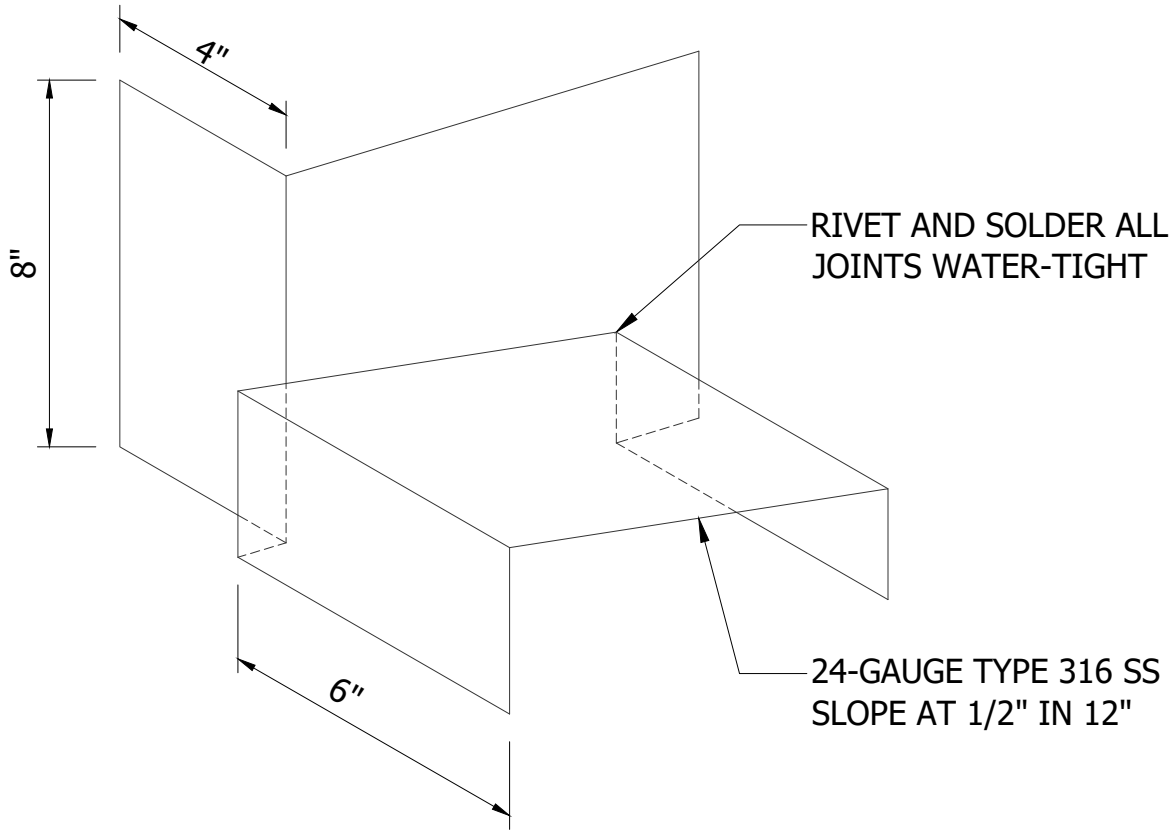
ISOMETRIC VIEW

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	ROOF-TO-WALL SADDLE FLASHING, (PERPENDICULAR)	5.1.5

MODIFIED BITUMINOUS SHEET ROOFING
(FLUID AND SHEET-APPLIED AIR BARRIER)

NOTE: AIR BARRIER MEMBRANE UNDER AND OVER SADDLE FLASHING AT EXTERIOR FINISHED WALLS AND AT ROOF PARAPET WALLS AND AT ROOF DIVIDING WALLS

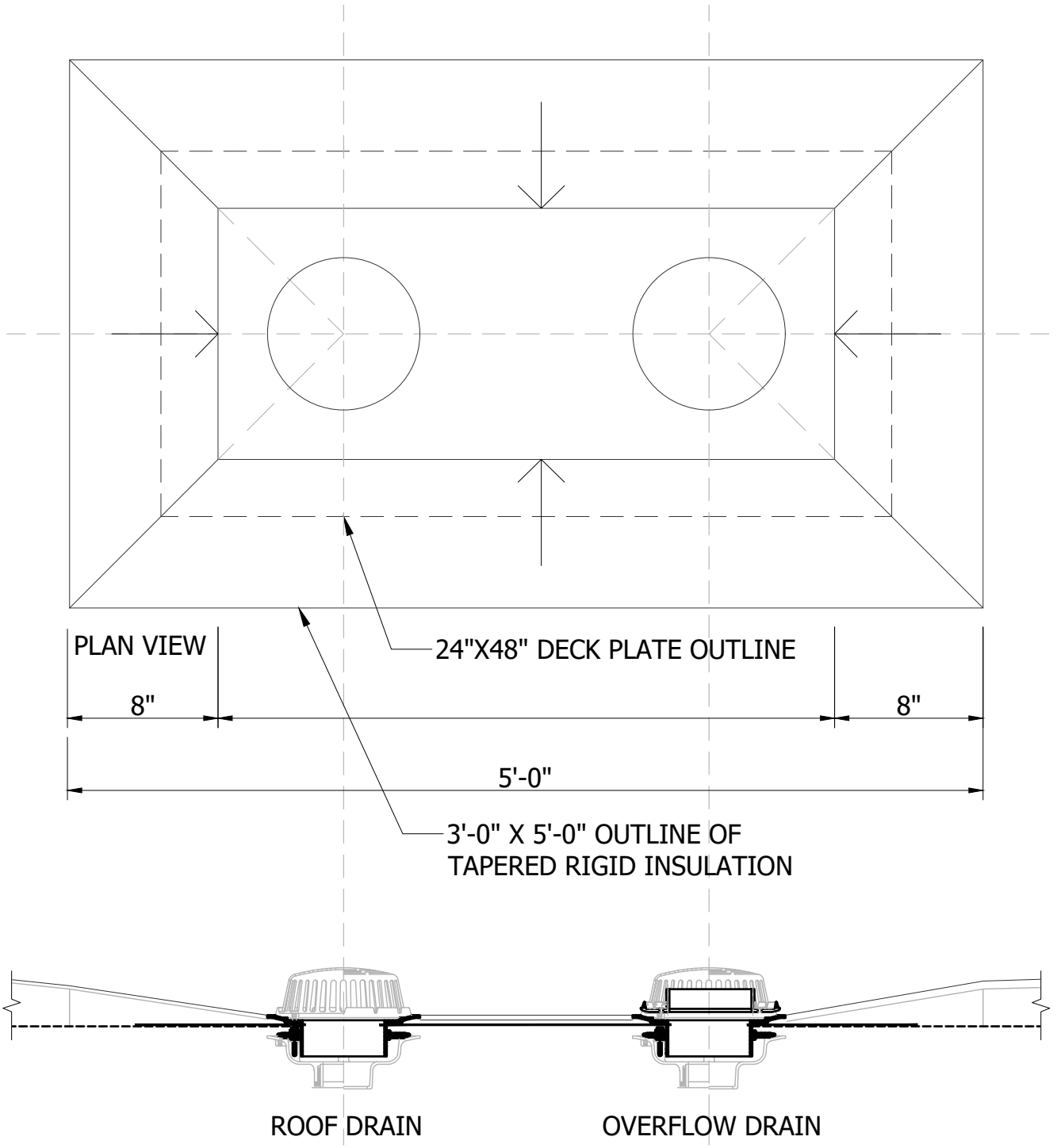
ARCHITECT TO COORDINATE ROOF MEMBRANE AND AIR BARRIER MEMBRANE FLASHING LAP SEQUENCE WITH GENERAL CONTRACTOR



ISOMETRIC VIEW

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	ROOF-TO-WALL SADDLE FLASHING, (AT WALL CORNER)	5.1.6

MODIFIED BITUMINOUS SHEET ROOFING
(SHEET-APPLIED AIR BARRIER)



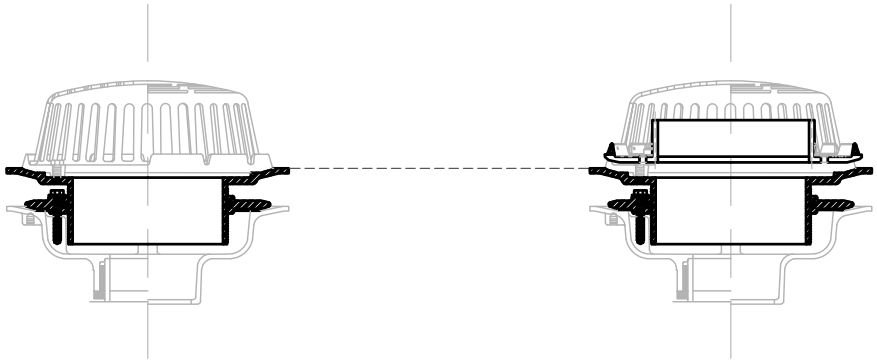
SECTION @ DRAIN SUMP
SEE DETAIL 5.1.9

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	ROOF DRAIN AND OVERFLOW SUMP	5.1.7

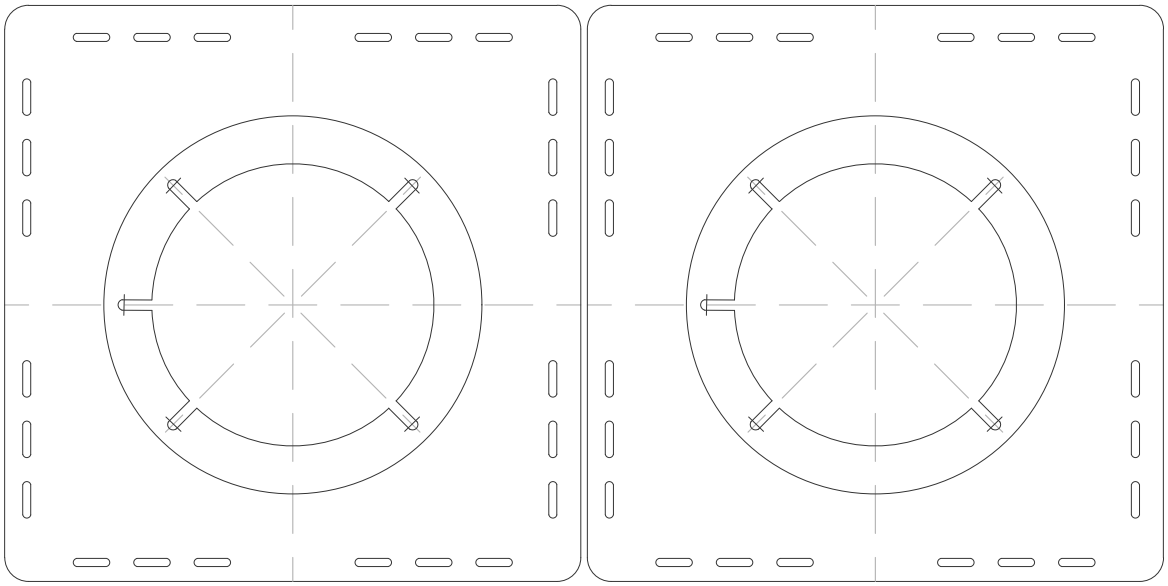
MODIFIED BITUMINOUS SHEET ROOFING

ROOF DRAIN

OVERFLOW DRAIN



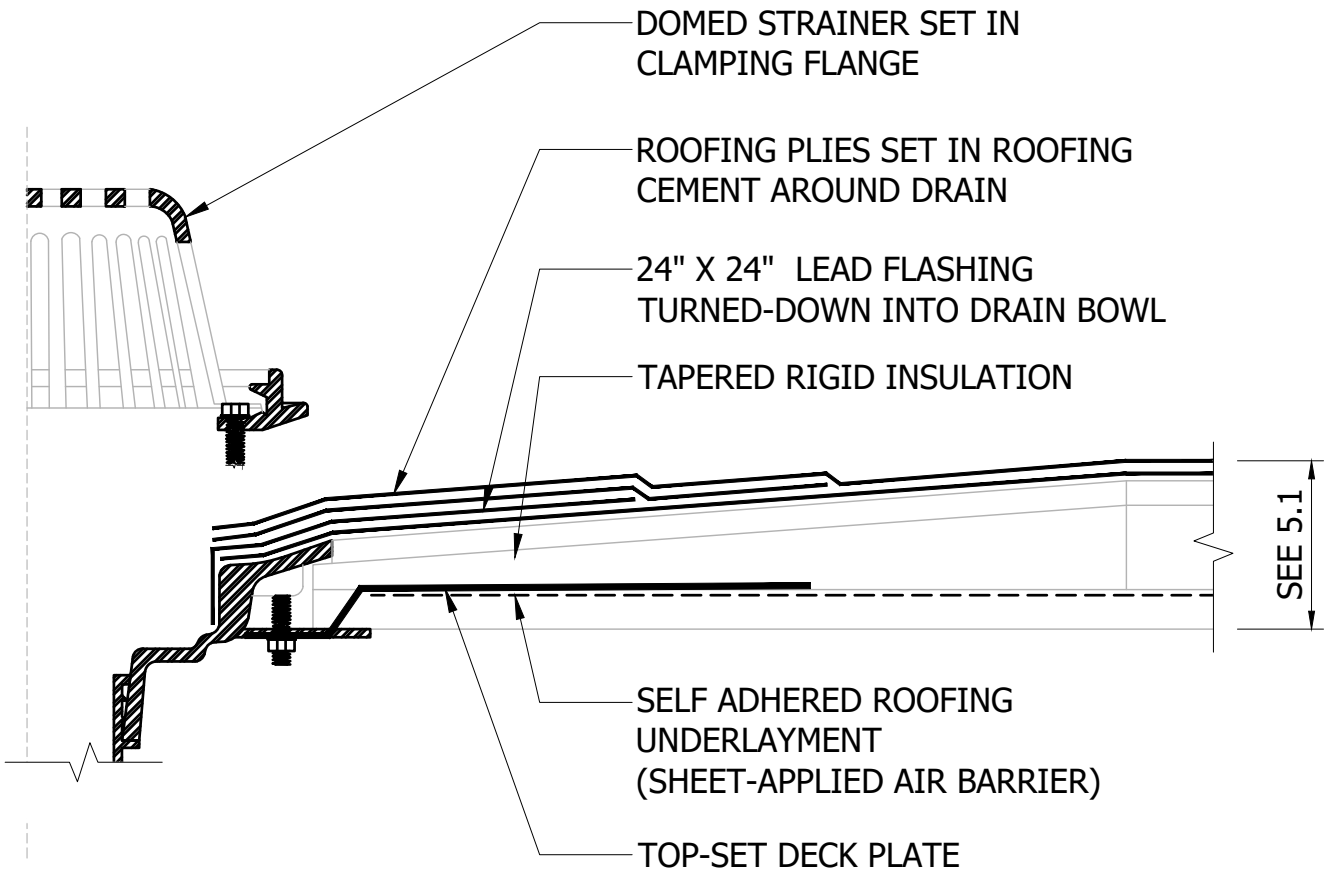
DRAIN EXTENSION



DECK PLATE

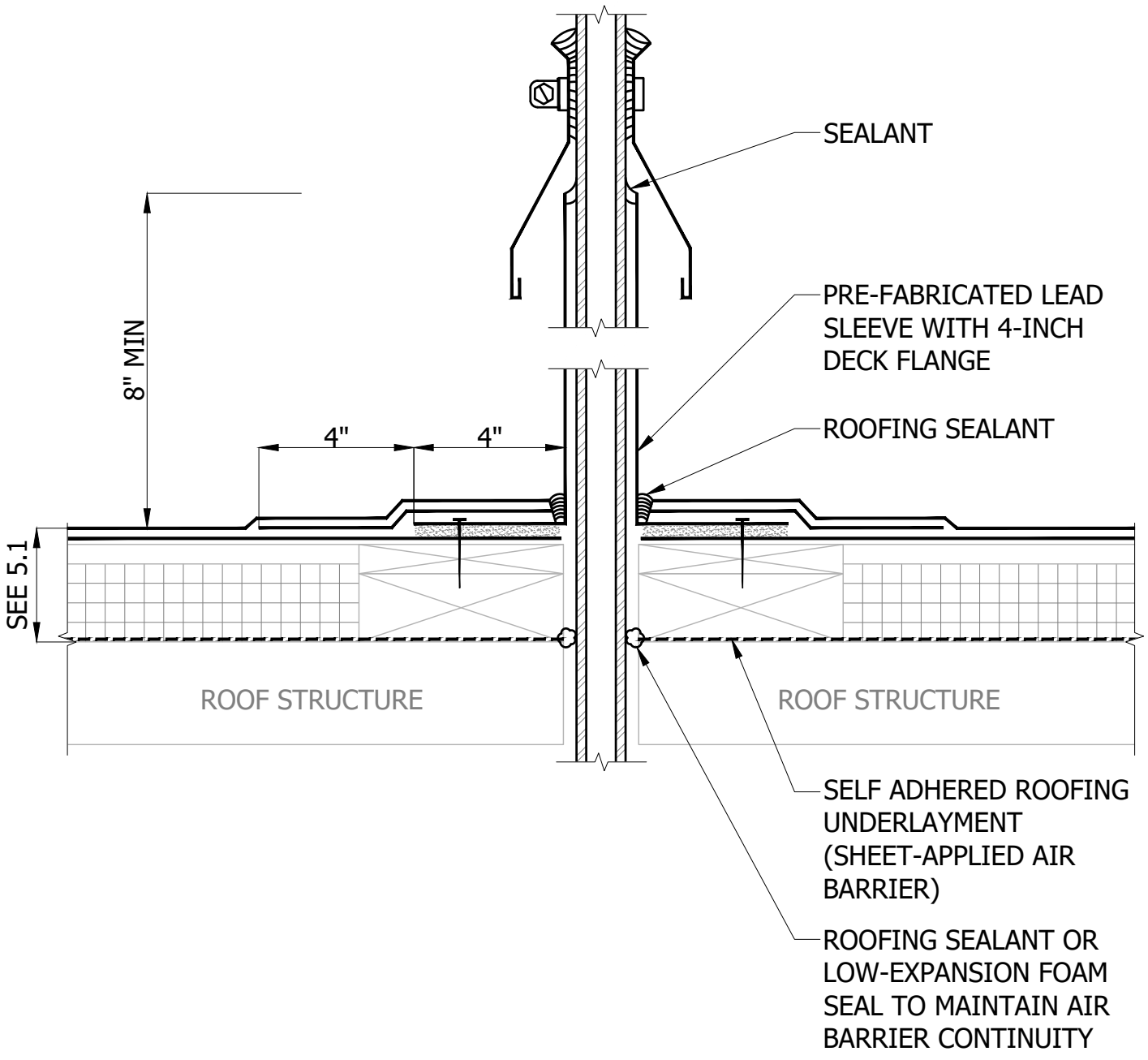
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	ROOF DRAIN TOPSET DECK PLATE	5.1.8

MODIFIED BITUMINOUS SHEET ROOFING
(SHEET-APPLIED AIR BARRIER)



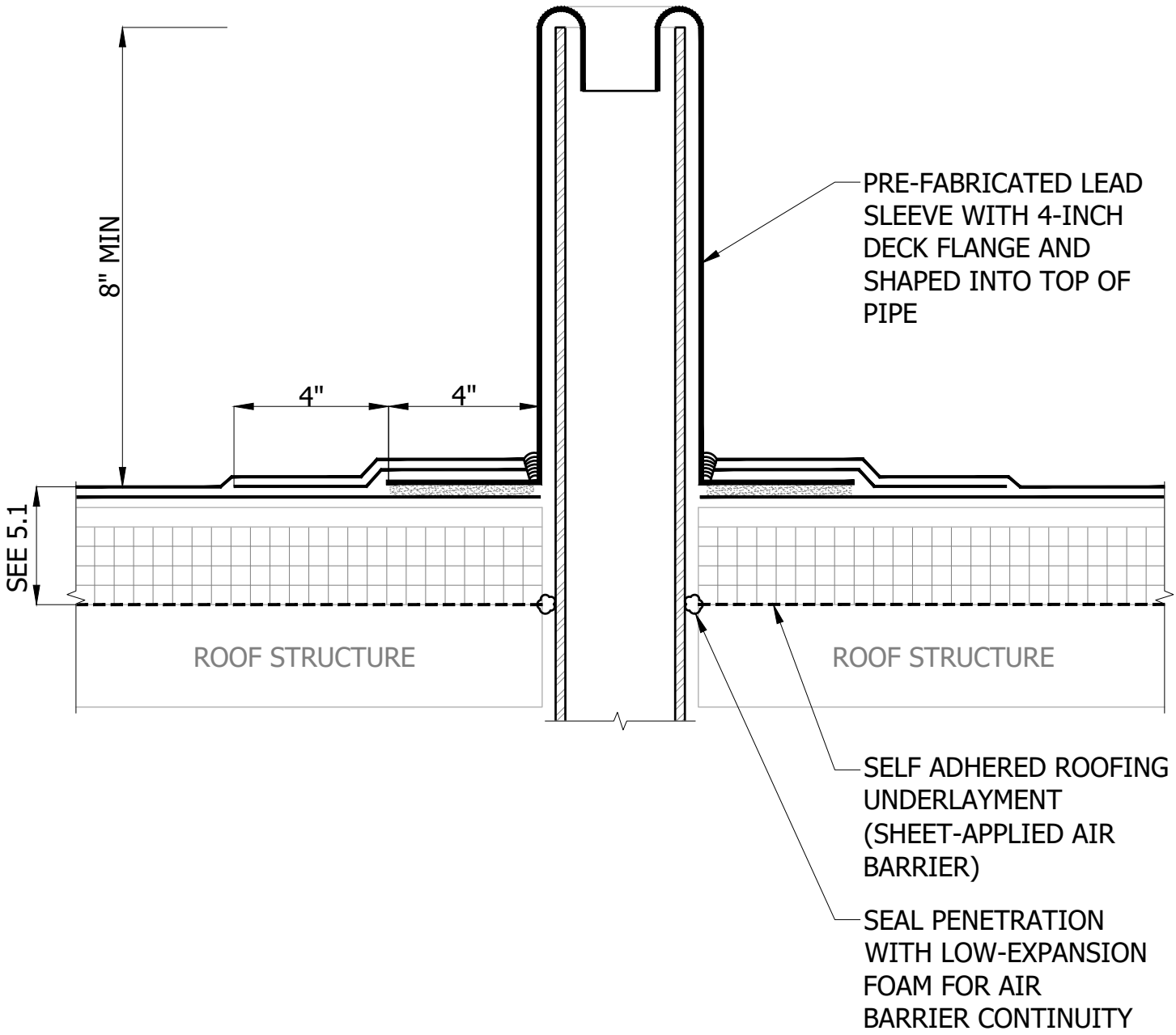
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	ROOF DRAIN MEMBRANE TIE-IN FLASHING	5.1.9

MODIFIED BITUMINOUS SHEET ROOFING (SHEET-APPLIED AIR BARRIER)



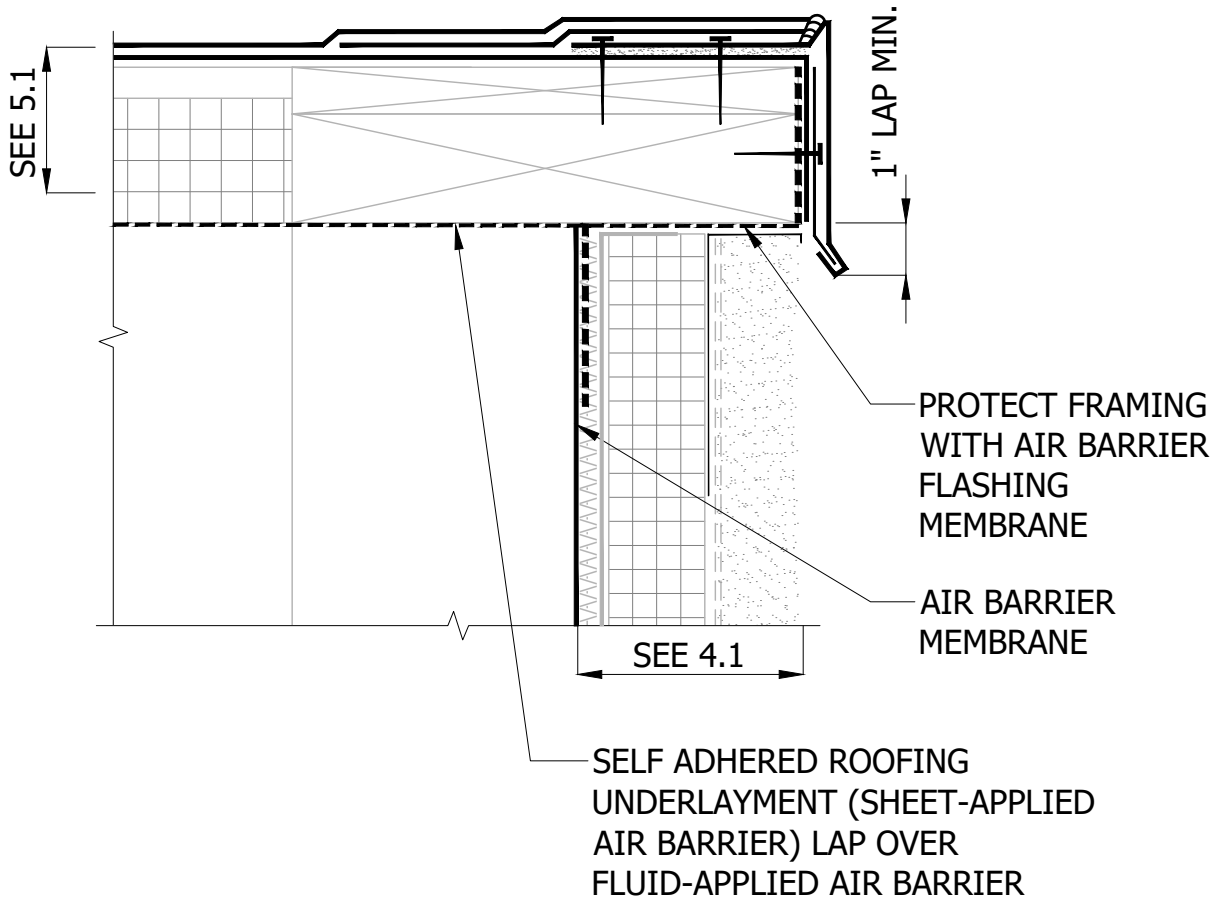
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT WATERPROOFING DETAIL STANDARD	SMALL PIPE PENETRATION FLASHING	5.1.10

MODIFIED BITUMINOUS SHEET ROOFING
(SHEET-APPLIED AIR BARRIER)



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	WASTE STACK PENETRATION FLASHING	5.1.11

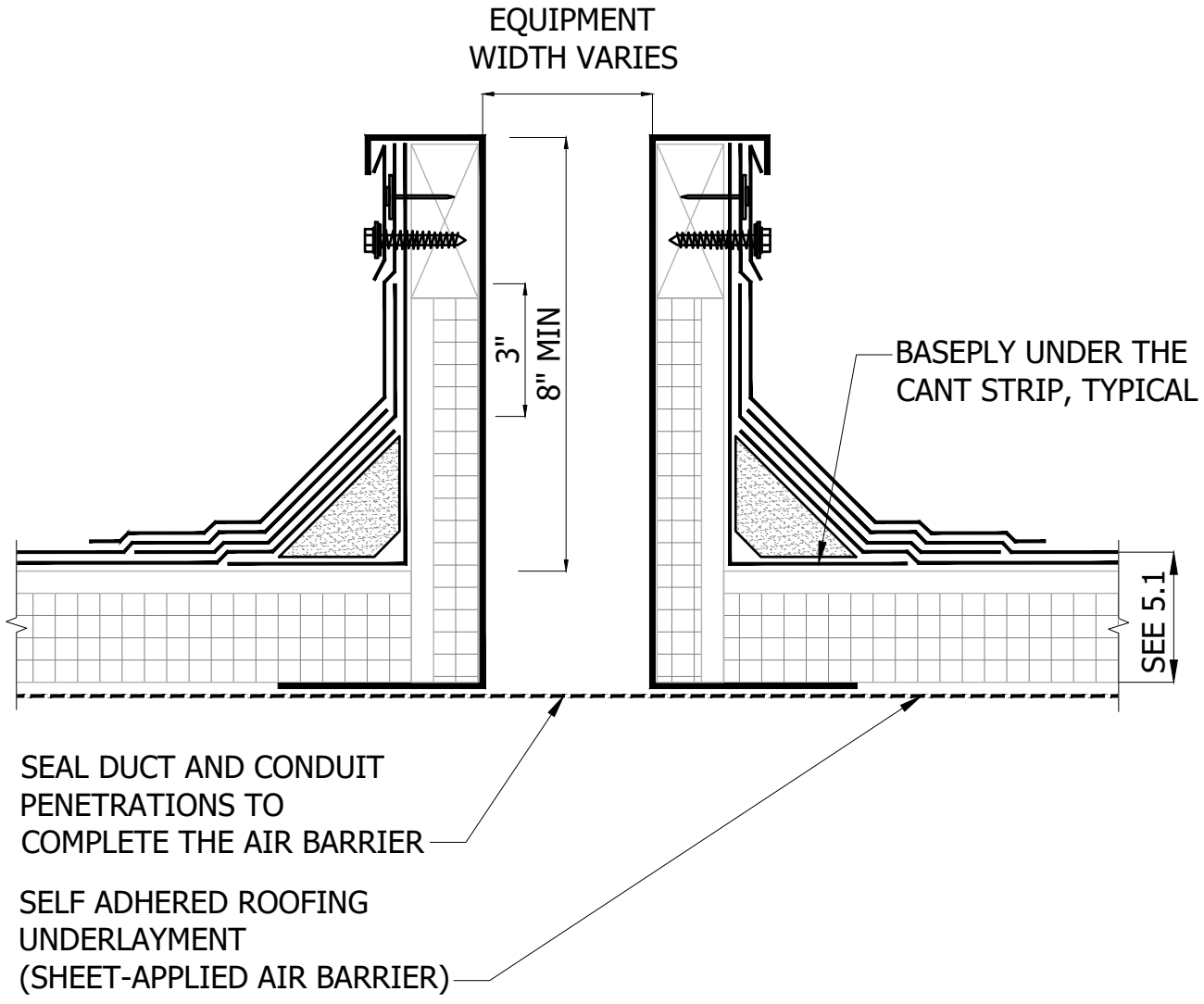
MODIFIED BITUMINOUS SHEET ROOFING
(FLUID AND SHEET-APPLIED AIR BARRIER)



ARCHITECT TO COORDINATE ROOF MEMBRANE AND AIR BARRIER MEMBRANE FLASHING LAP SEQUENCE WITH GENERAL CONTRACTOR

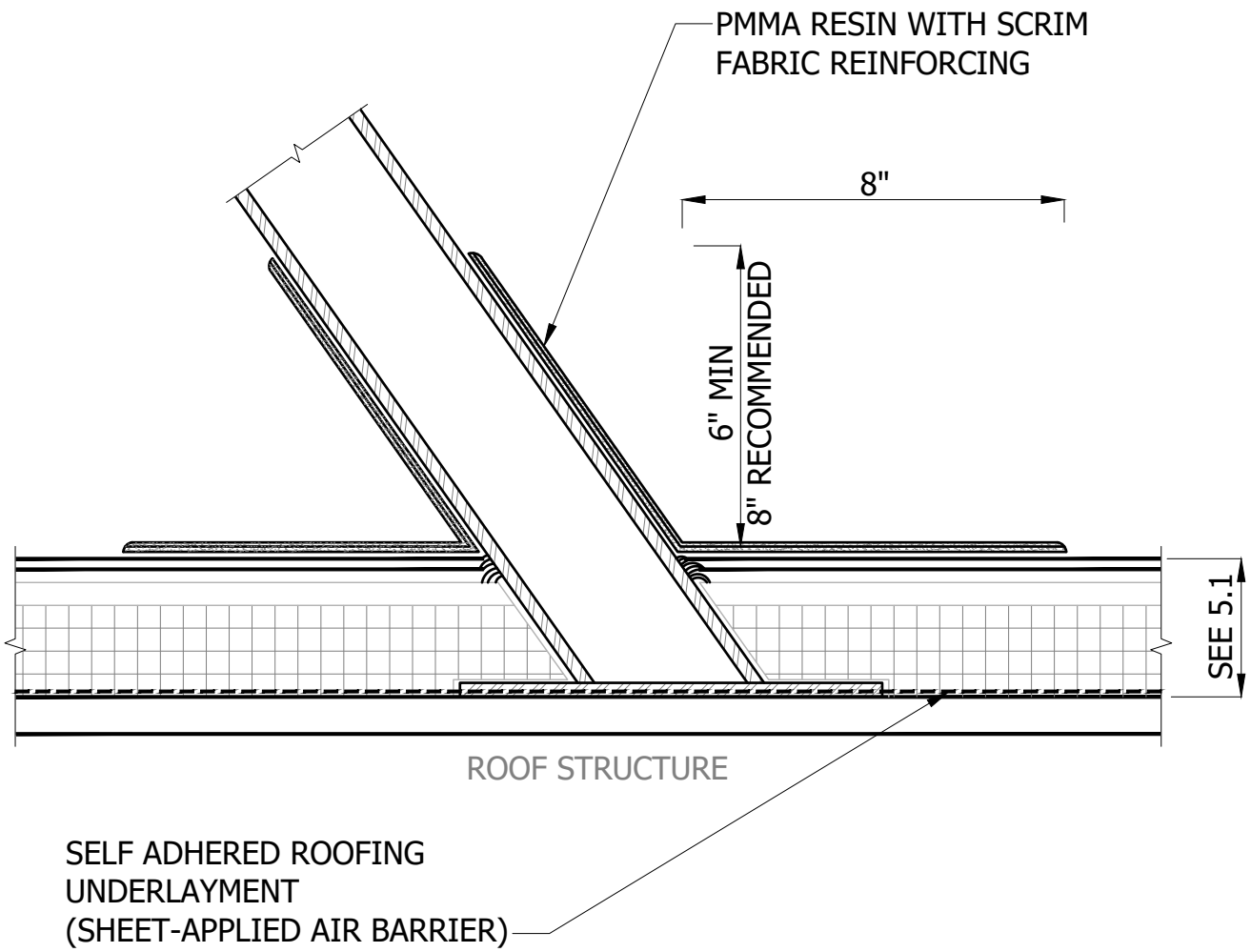
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	ROOF EDGE FLASHING	5.1.12

MODIFIED BITUMINOUS SHEET ROOFING
(SHEET-APPLIED AIR BARRIER)



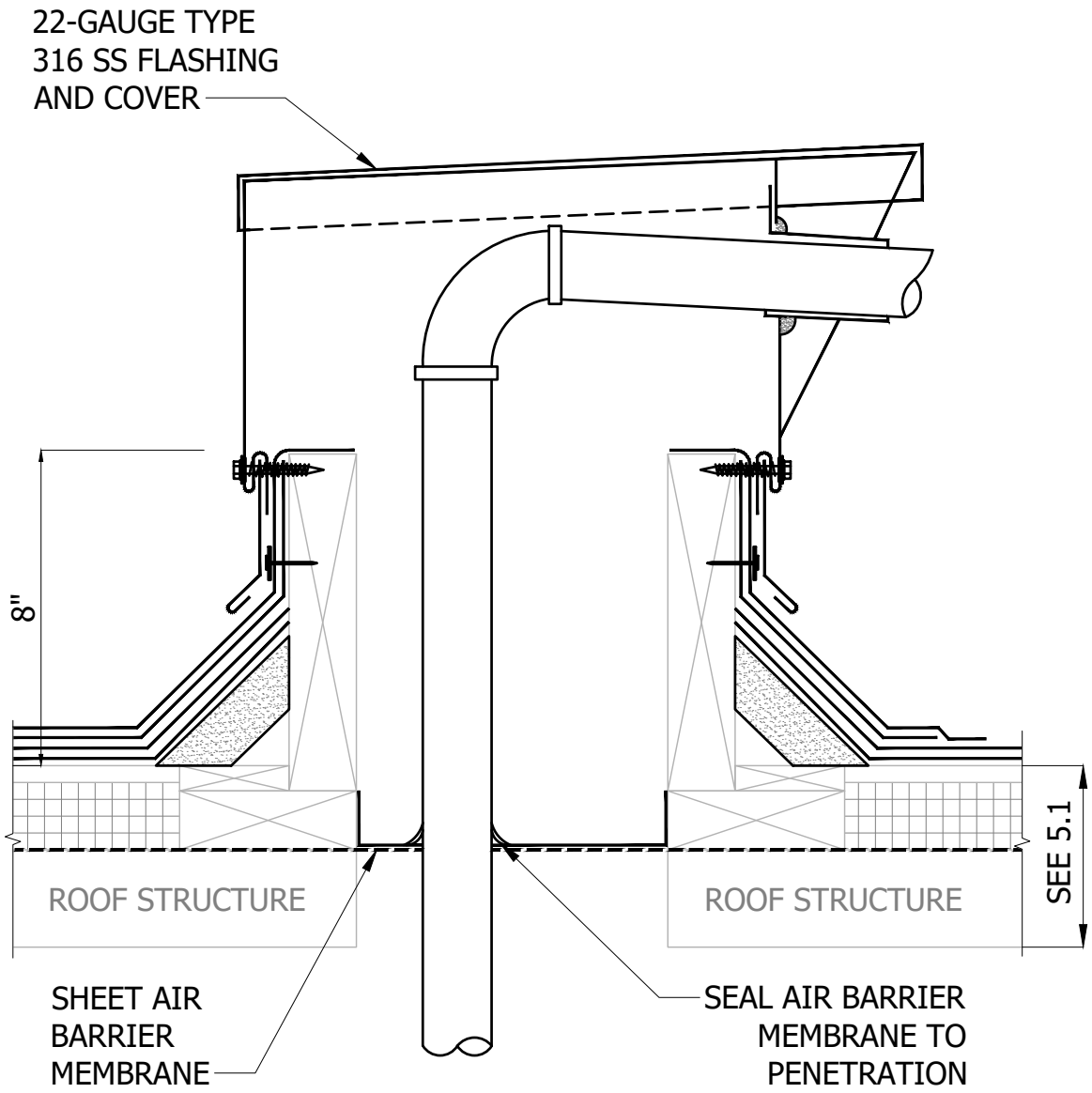
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	EQUIPMENT CURB FLASHING	5.1.13

MODIFIED BITUMINOUS SHEET ROOFING (SHEET-APPLIED AIR BARRIER)



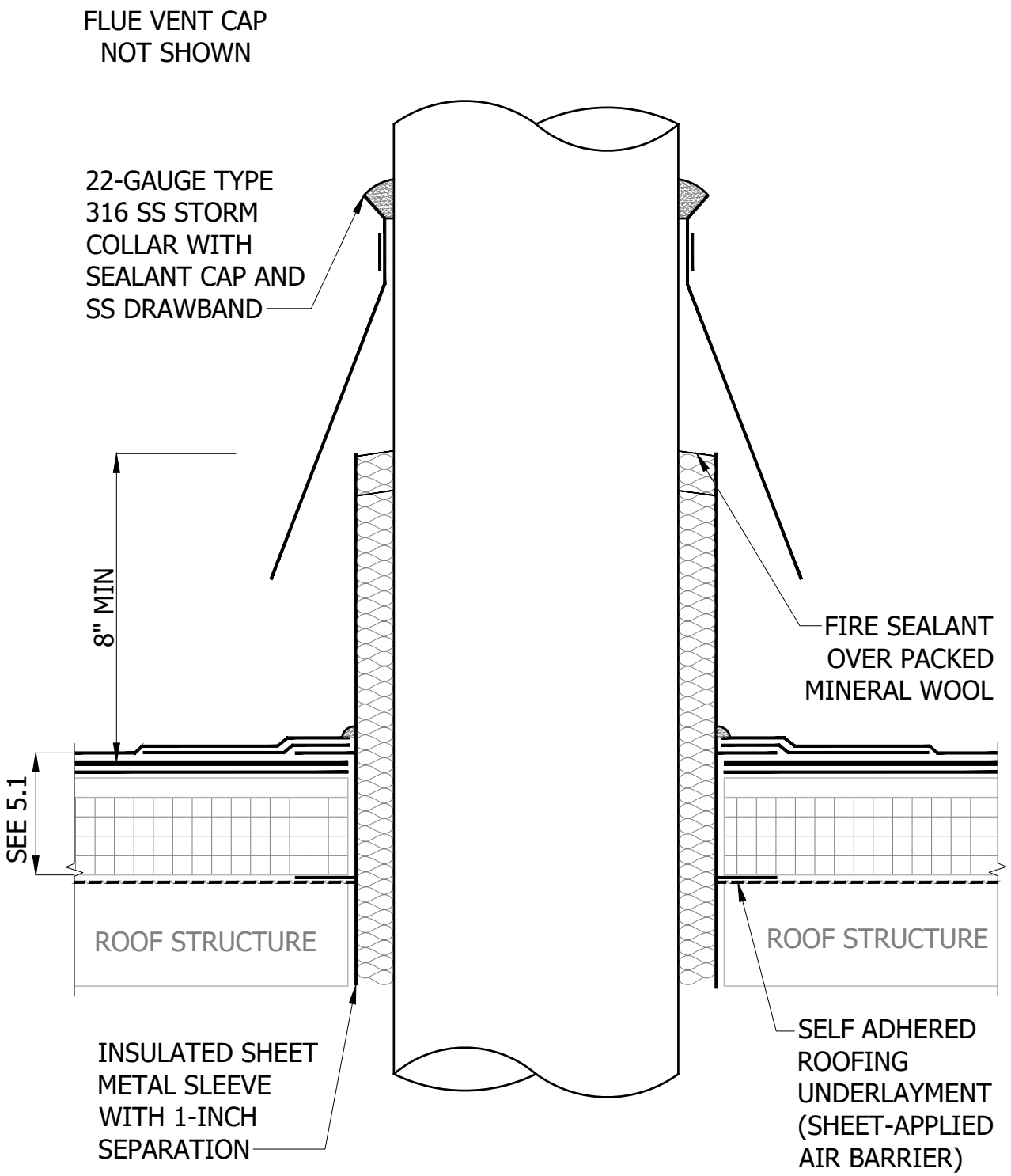
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	ANGLED-FRAME PENETRATION FLASHING	5.1.14

MODIFIED BITUMINOUS SHEET ROOFING
(SHEET-APPLIED AIR BARRIER)



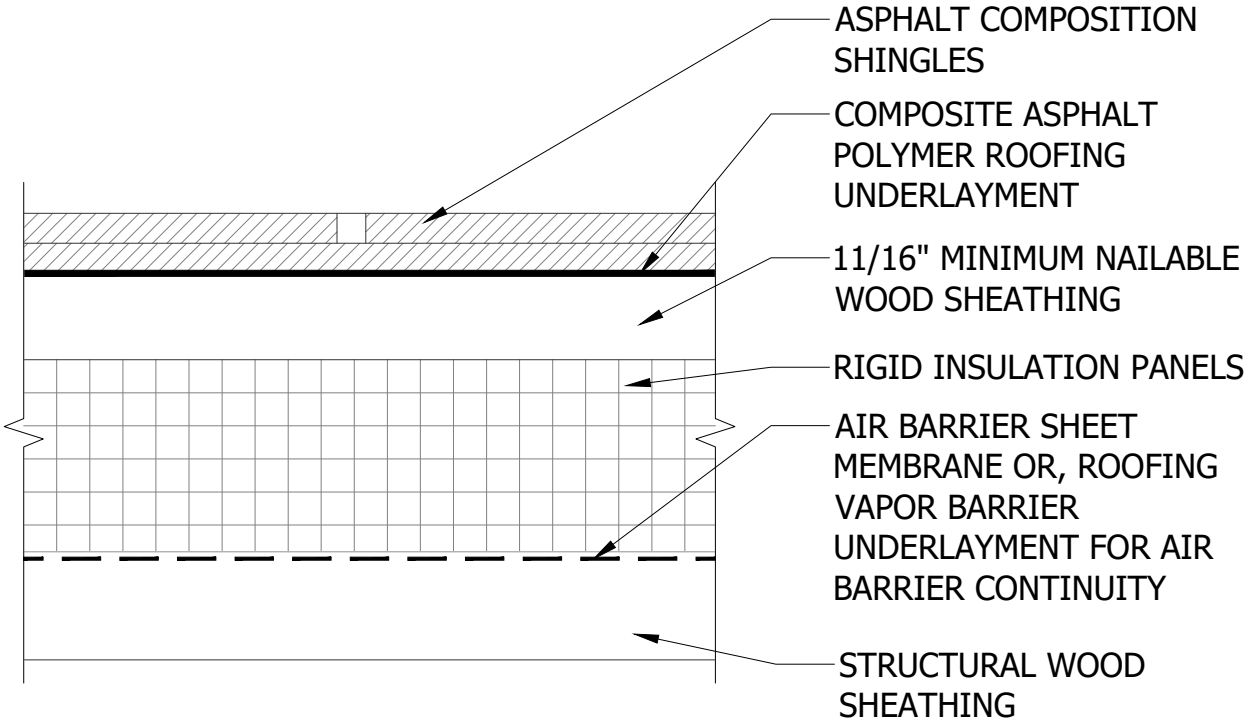
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	MULTIPLE CONDUIT/DUCT ENCLOSURE FLASHING	5.1.15

MODIFIED BITUMINOUS SHEET ROOFING (SHEET-APPLIED AIR BARRIER)



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	ISOLATED (HOT) FLUE VENT FLASHING	5.1.16

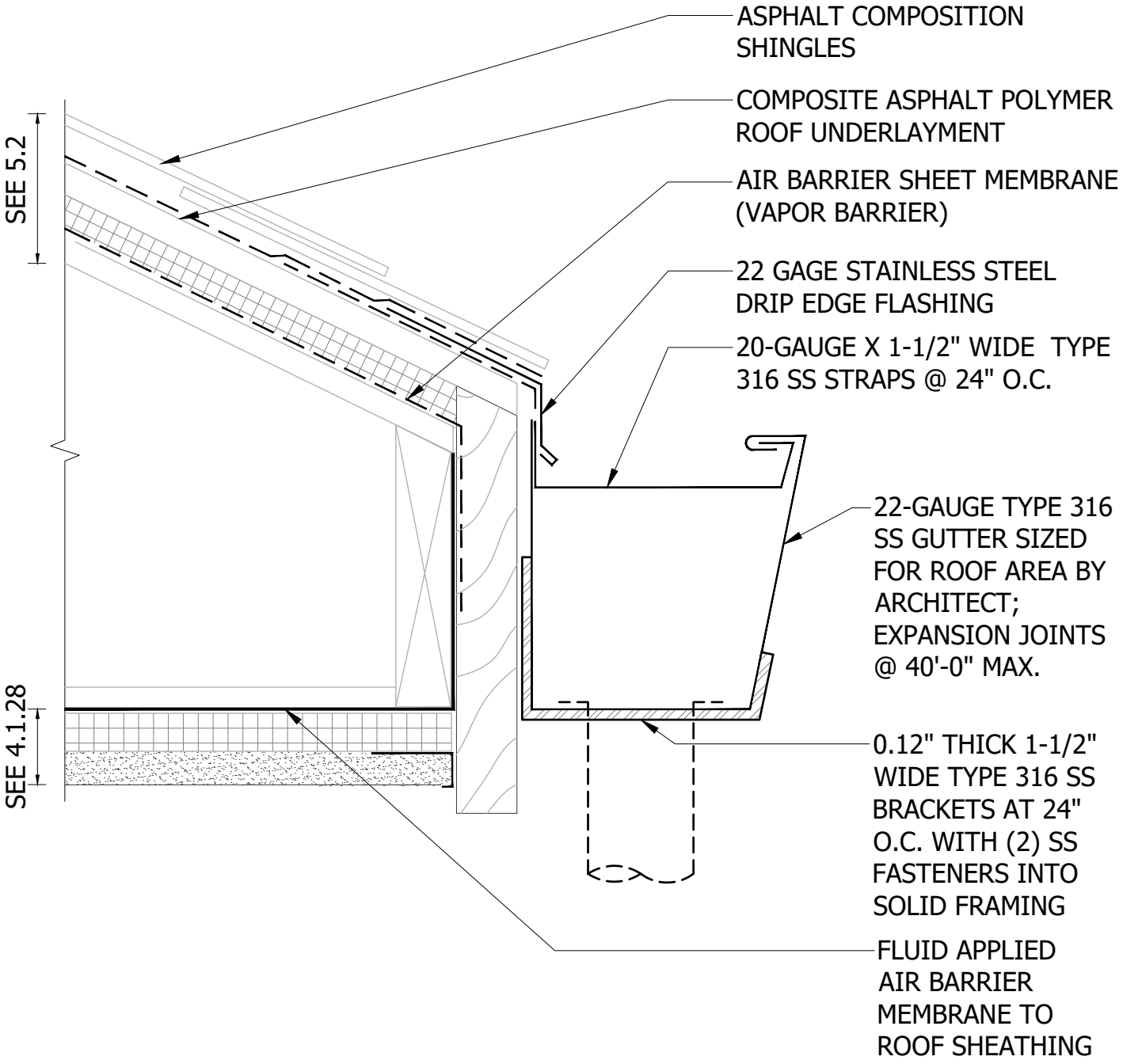
ASPHALT ROOFING SHINGLES
(SHEET-APPLIED AIR BARRIER)



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	ASPHALT COMPOSITION SHINGLE ASSEMBLY	5.2

ASPHALT ROOFING SHINGLES
(FLUID AND SHEET-APPLIED AIR BARRIER)

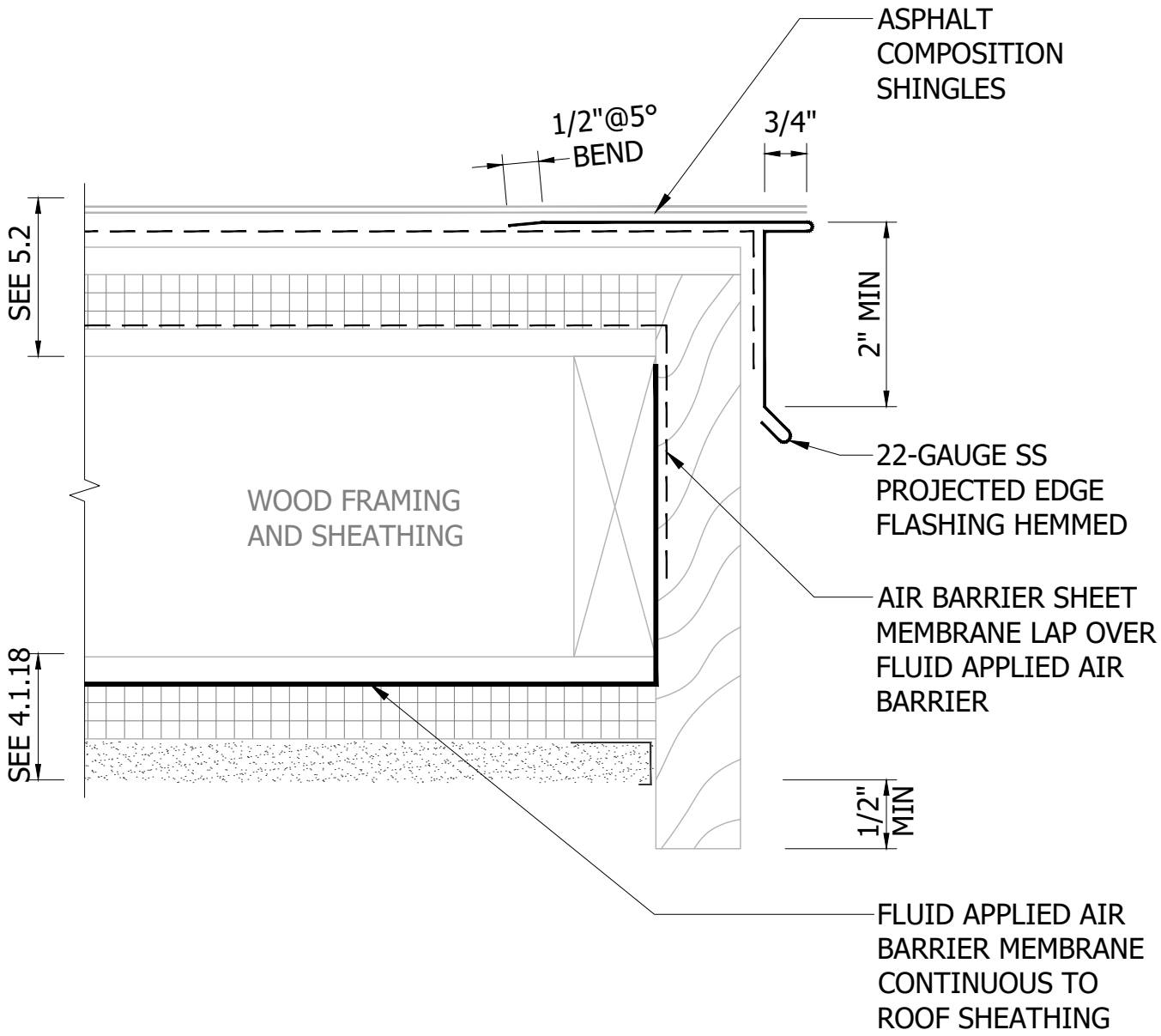
ARCHITECT TO COORDINATE ROOF MEMBRANE AND AIR BARRIER
MEMBRANE FLASHING LAP SEQUENCE WITH GENERAL CONTRACTOR



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	EAVE GUTTER	5.2.1

ASPHALT ROOFING SHINGLES
(SHEET AND FLUID-APPLIED AIR BARRIER)

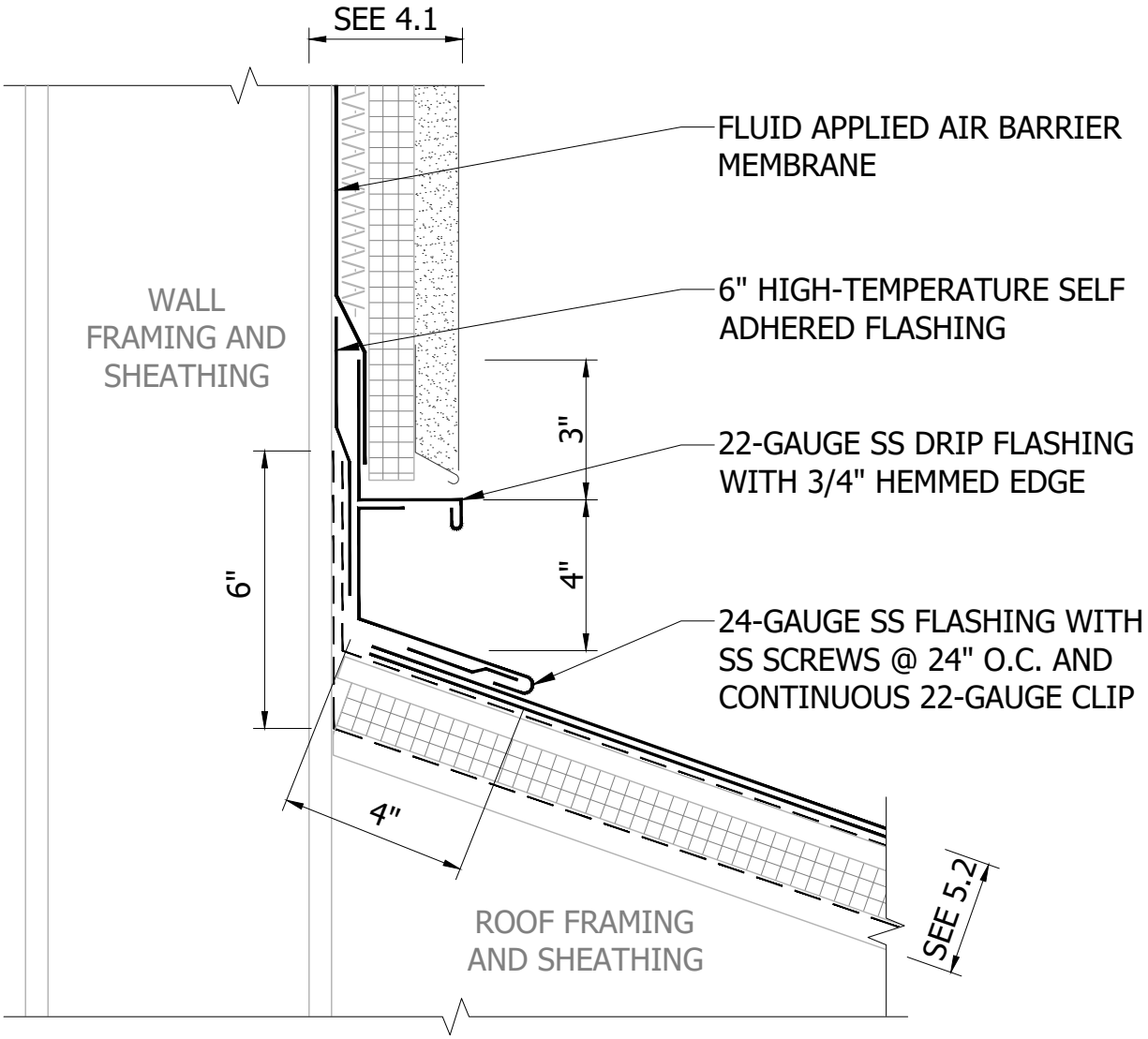
ARCHITECT TO COORDINATE ROOF MEMBRANE AND AIR BARRIER
MEMBRANE FLASHING LAP SEQUENCE WITH GENERAL CONTRACTOR



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	RAKE FLASHING	5.2.2

ASPHALT ROOFING SHINGLES
(SHEET AND FLUID-APPLIED AIR BARRIER)

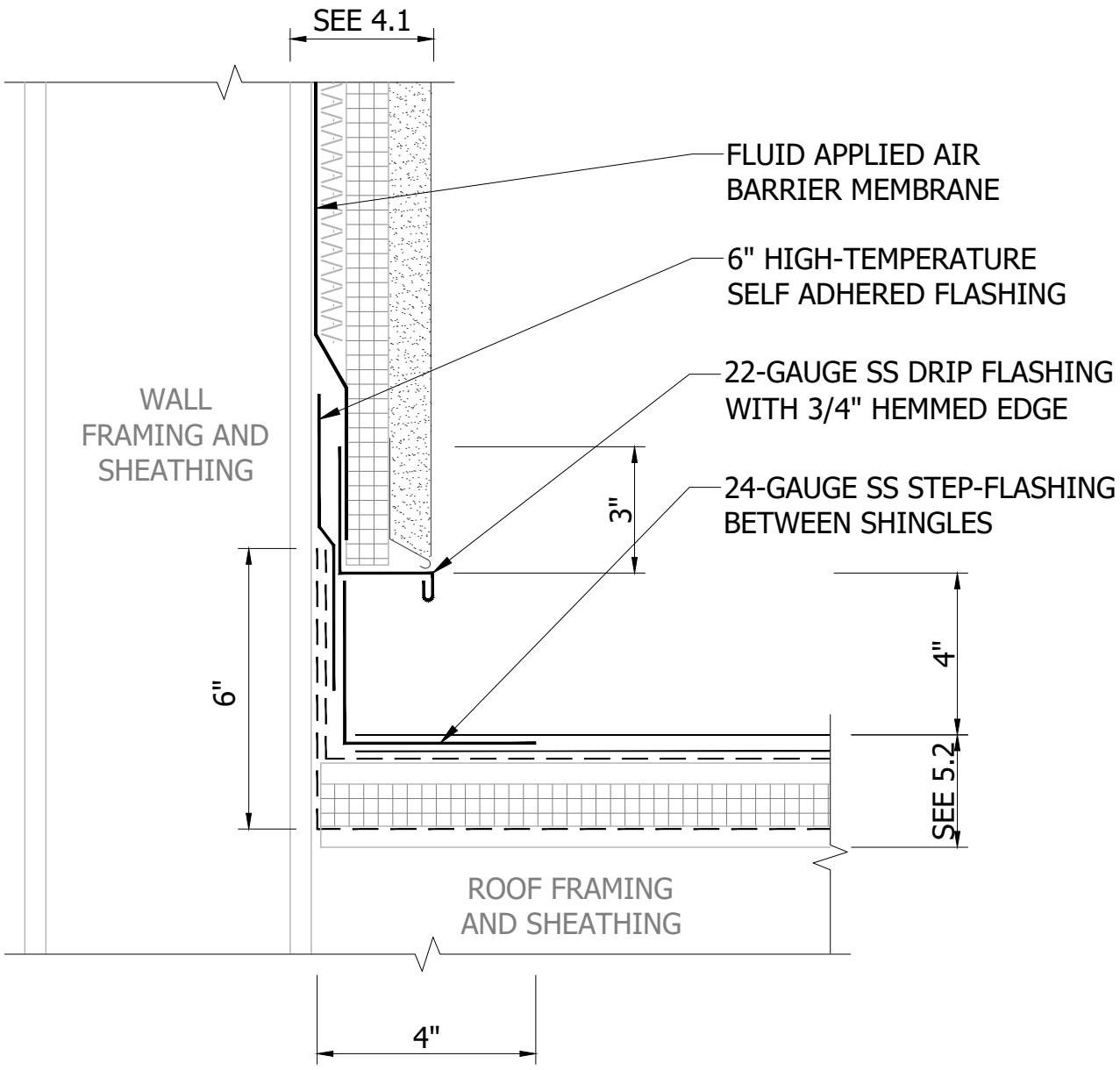
ARCHITECT TO COORDINATE ROOF MEMBRANE AND AIR BARRIER
MEMBRANE FLASHING LAP SEQUENCE WITH GENERAL CONTRACTOR



WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	HEAD-WALL FLASHING	5.2.3

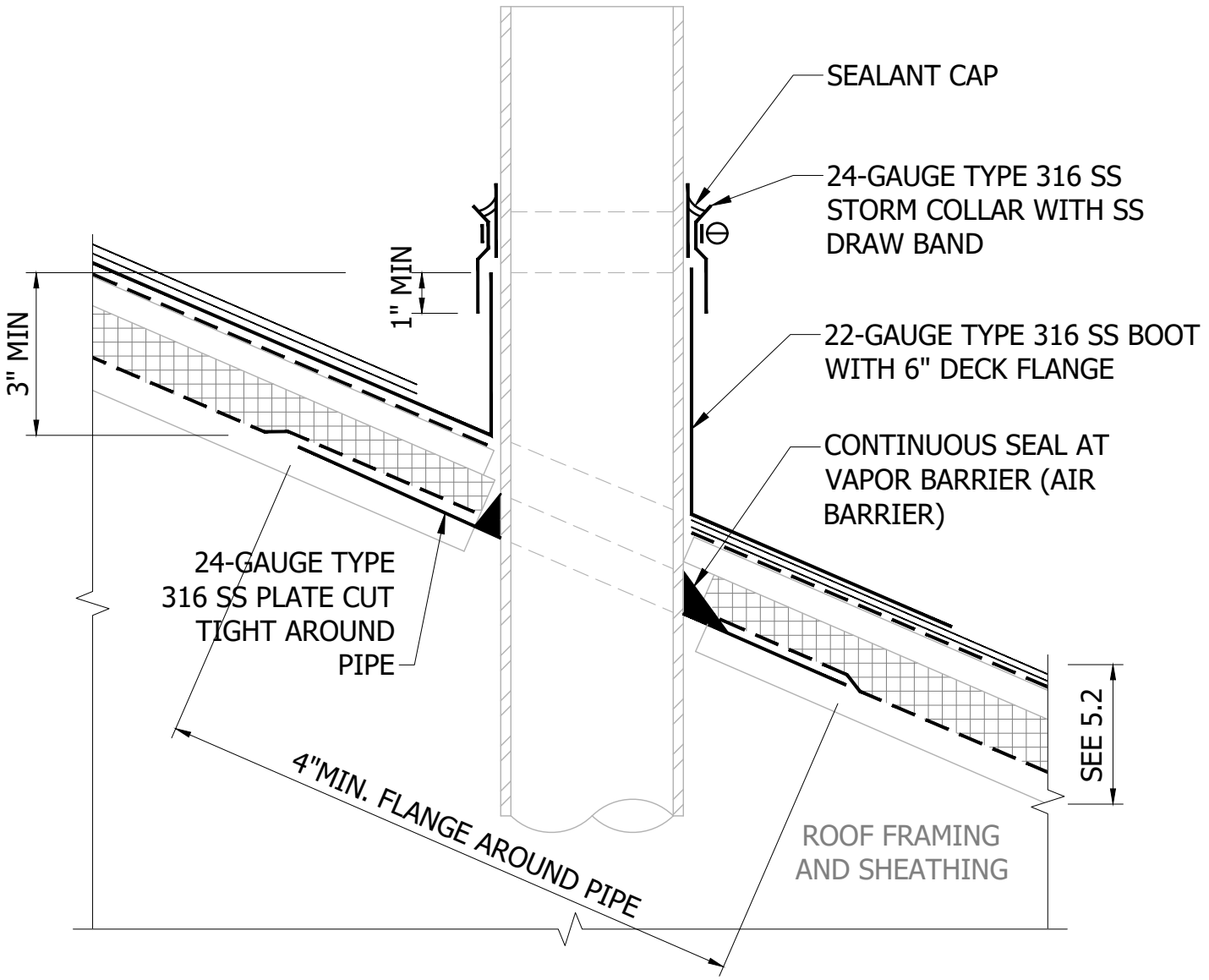
ASPHALT ROOFING SHINGLES
(SHEET AND FLUID-APPLIED AIR BARRIER)

ARCHITECT TO COORDINATE ROOF MEMBRANE AND AIR BARRIER
MEMBRANE FLASHING LAP SEQUENCE WITH GENERAL CONTRACTOR



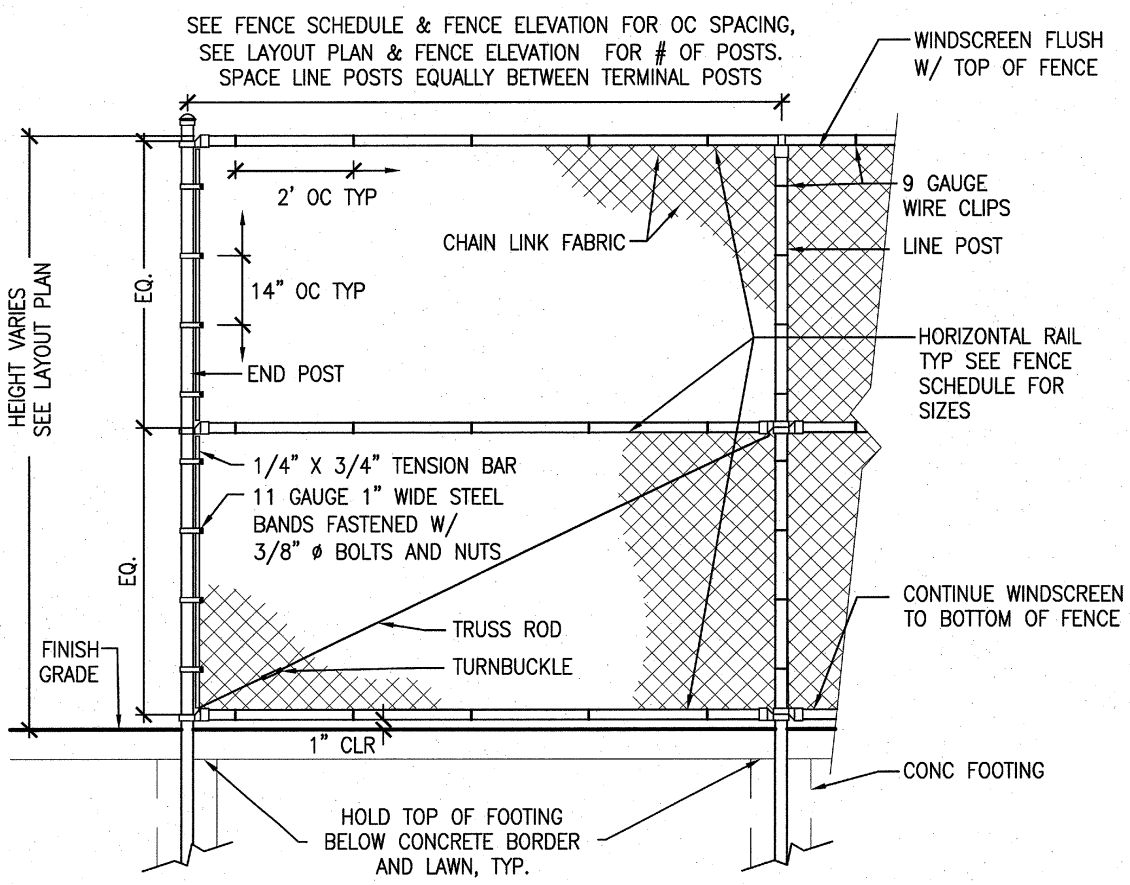
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	SIDE-WALL FLASHING	5.2.4

ASPHALT ROOFING SHINGLES



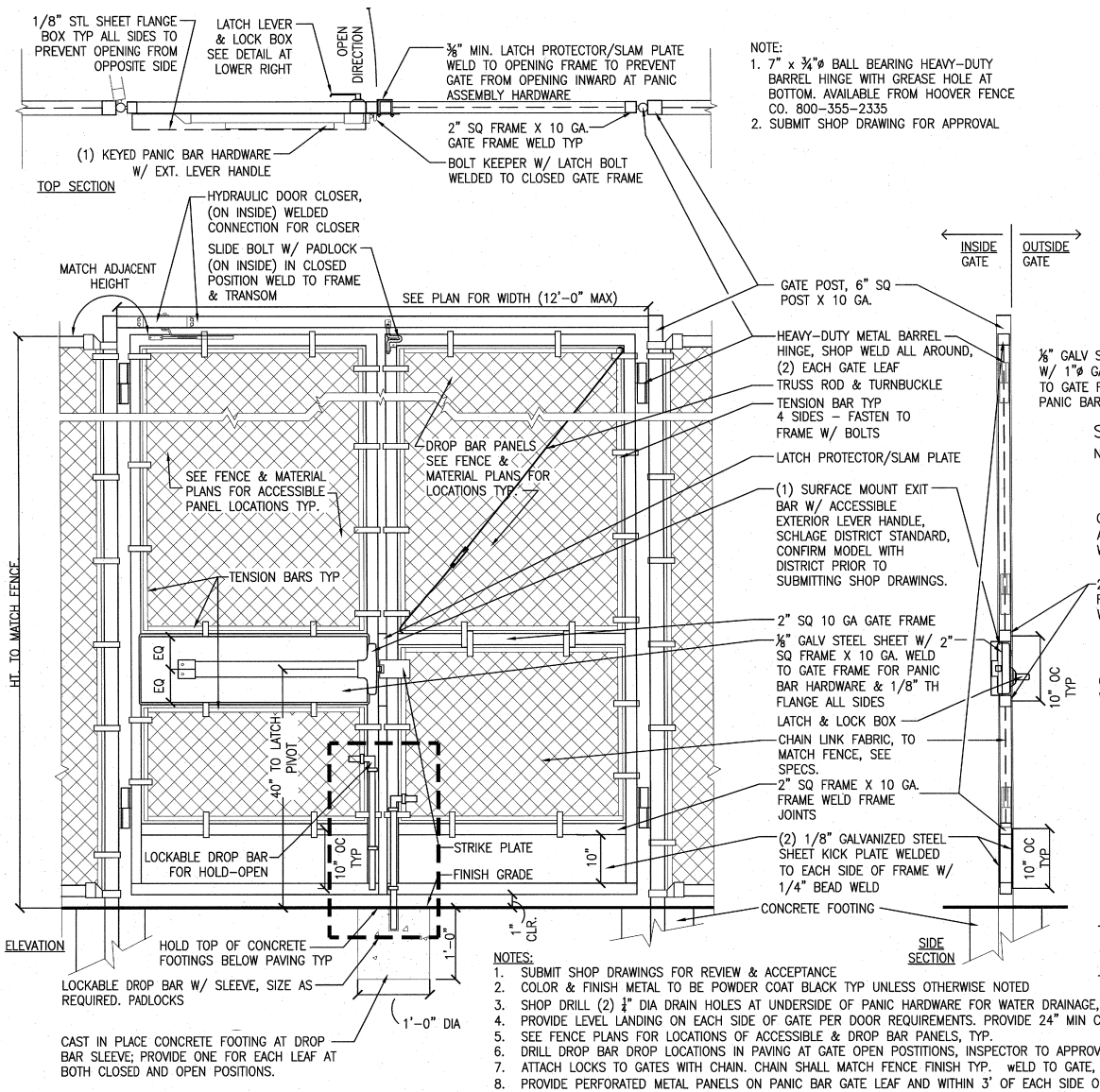
WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT DETAIL STANDARD	**PIPE VENT PENETRATION FLASHING**	5.2.5

GATE & FENCING STANDARDS

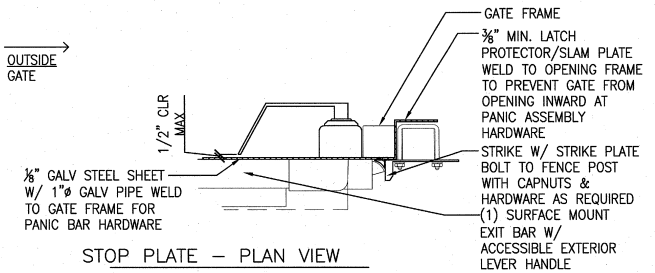


FENCE SCHEDULE

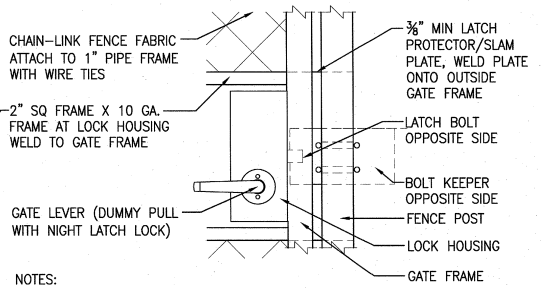
"H" MAX HEIGHT ABOVE FINISH GRADE	DIAMETER AND WEIGHT OF GATE, END, & CORNER POSTS	DIAMETER AND WEIGHT OF LINE POST	HORIZONTAL RAILS	MAXIMUM POST SPACING
4'–0" FENCE	4" OD SCH 40	3 ½" OD SCH 40	1 ⅝" OD SCH 40 TOP & BOTTOM RAIL	8'–0" OC
6'–0" FENCE	4" OD SCH 40	3 ½" OD SCH 40	1 ⅝" OD SCH 40 TOP & BOTTOM RAIL	8'–0" OC
8'–0" FENCE	4" OD SCH 40	3 ½" OD SCH 40	1 ⅝" OD SCH 40 TOP & BOTTOM RAIL	8'–0" OC



NOTE:
1. 7" x ¾"ø BALL BEARING HEAVY-DUTY BARREL HINGE WITH GREASE HOLE AT BOTTOM. AVAILABLE FROM HOOVER FENCE CO. 800-355-2335
2. SUBMIT SHOP DRAWING FOR APPROVAL



STOP PLATE – PLAN VIEW
NTS



NOTES:
1. PROVIDE SHOP DRAWINGS FOR ENTIRE GATE AND LOCKING LEVER ASSEMBLY
2. PANIC HARDWARE: VON DUPRIN CD98NLXVR910-NL; US26D FINISH. FURNISH AND INSTALL EXIT DEVICES WITH SEX BOLTS.
3. KEY CORES: SCHLAGE LV SERIES X 17A. CONFIRM KEYING CORE WITH DISTRICT. ALL LOCKS AND EXIT DEVICES TO BE SHIPPED WITH CONSTRUCTION KEYED SCHLAGE I.C. CORES. ALL PERMANENT I.C. CORES AND KEYS ARE TO BE FURNISHED BY THE CONTRACTOR AND SHIPPED DIRECTLY FROM THE FACTORY TO THE SCHOOL DISTRICT MAINTENANCE OFFICE. ALL KEYING AND KEYWAYS MUST BE APPROVED IN WRITING BY WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE PERMANENT I.C. CORES AFTER THE DISTRICT RECEIVES AND INVENTORIES THEM.

LOCKING LEVER
NTS

ACCESSIBLE GATE LOCK AND HOLDBACK
NTS

NOTES:
1. SUBMIT SHOP DRAWINGS FOR REVIEW & ACCEPTANCE
2. COLOR & FINISH METAL TO BE POWDER COAT BLACK TYP UNLESS OTHERWISE NOTED
3. SHOP DRILL (2) ¼" DIA DRAIN HOLES AT UNDERSIDE OF PANIC HARDWARE FOR WATER DRAINAGE, TOUCH UP PANIC HARDWARE AS REQUIRED.
4. PROVIDE LEVEL LANDING ON EACH SIDE OF GATE PER DOOR REQUIREMENTS. PROVIDE 24" MIN CLR. ON STRIKE SIDE OF GATE & 12" MIN CLR ON PUSH SIDE OF GATE.
5. SEE FENCE PLANS FOR LOCATIONS OF ACCESSIBLE & DROP BAR PANELS, TYP.
6. DRILL DROP BAR DROP LOCATIONS IN PAVING AT GATE OPEN POSTITIONS, INSPECTOR TO APPROVE OPEN LOCATIONS TYP.
7. ATTACH LOCKS TO GATES WITH CHAIN. CHAIN SHALL MATCH FENCE FINISH TYP. wELD TO GATE, 12" CHAIN LENGTH.
8. PROVIDE PERFORATED METAL PANELS ON PANIC BAR GATE LEAF AND WITHIN 3' OF EACH SIDE OF PANIC BAR GATE LEAF. MATCH GATE FINISH TYP.

9. Single gates to have similar attributes as the active leaf of the double gate.
10. All panic hardware on gates should have a dogging function
11. All gates shall have a door bumper to prevent over extension of the closure arm and protect gate and adjacent finishes

6.2

ACCESSABLE DOUBLE GATE STANDARD

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT

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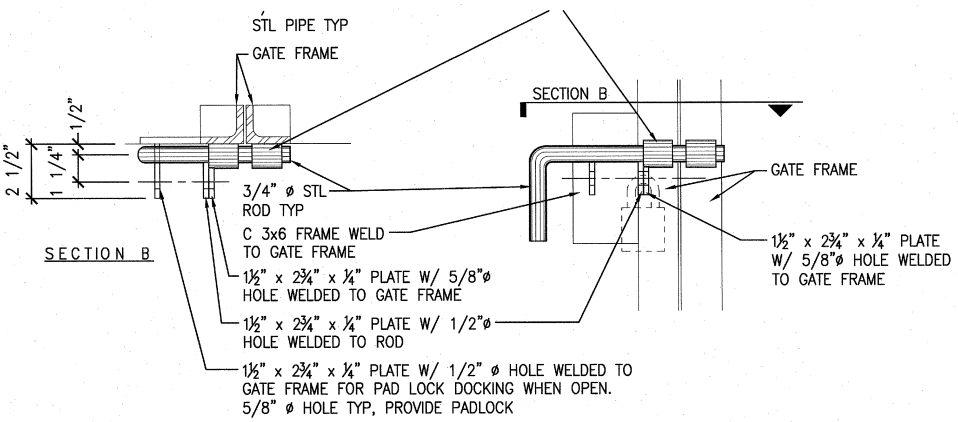
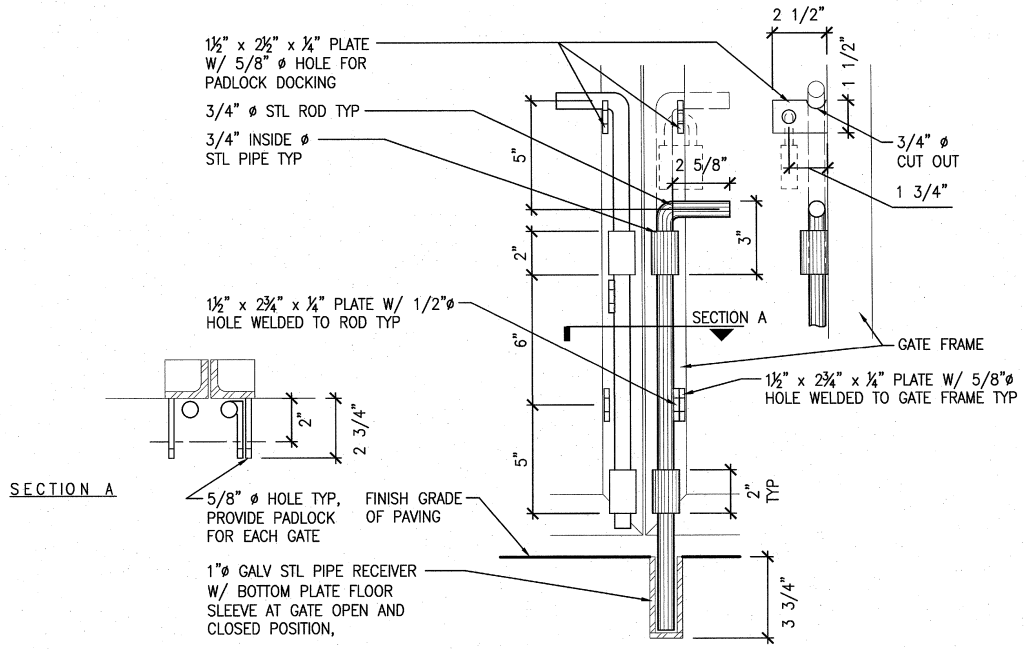


GATE LATCH



LOCKABLE DROP BAR

NOTES:
1. WELD CHAIN FOR PADLOCK TO EACH GATE LEAF WITH 12" OF CHAIN; COAT CHAIN TO MATCH GATE FINISH.
2. DROP BAR SHALL BE LOCKABLE IN UP AND DOWN POSITIONS.

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT

FENCE LOCKABLE DROP BAR

6.3