


ADDENDUM TO REQUEST FOR PREQUALIFICATION DOCUMENTS

 SOLANO COMMUNITY COLLEGE	ADDENDUM #02
	Project: Solano Community College District Vacaville Center Annex Building Corbels Removal Project Project Number: 20-001
	Date: September 20, 2019

Addendum # 02 – The following clarifications are provided and must be added/considered when completing your bid: Acknowledgement of receipt of this **ADDENDUM #02** is required on the Bid Form. Please clearly note the addendum date and number.

ITEM NO. 1 – Modifications to the Project Specifications

Due Date has been extended to Monday, September 30th, 2019 by 2:00 pm.

Specification Section 00 01 20 – List of Schedules

Bids Due: By ~~Wednesday, September 25, 2019, 2:00 pm.~~ **Monday, September 30th, 2019, 2:00 pm.**

Post Bid Interview: ~~Friday, September 27, at 2:00 pm.~~ **Tuesday, October 1st, 2019 at 2:00 pm.**

Specification Section 00 11 16 – Notice of Bidders

Sealed Bids will be received until ~~2:00 p.m., Wednesday, September 25th, 2019~~ **2:00 p.m., Monday, September 30th, 2019.**

Replace specification section 07 62 00 Sheet Metal Flashing and Trim in its entirety with updated specification section 07 62 00 Sheet Metal Flashing and Trim attached.

Replace specification section 09 91 13 Exterior Painting in its entirety with updated specification section 09 91 13 Exterior Painting attached.

Replace drawing sheet A8.00 with updated sheet A8.00 (Ext. Details Condition A) attached.

Replace drawing sheet A8.01 with updated sheet A8.01 (Ext. Details Condition B) attached.

Replace drawing sheet A8.02 with updated sheet A8.02 (Ext. Details Condition C) attached.

ITEM NO. 2 – Responses to Questions Submitted

QUESTION 1 – Section 06 2500 -2 1.6 project conditions A. Lead Has there been any testing for lead? If not we must assume there is lead in the paint.

ANSWER – *See attached lead analysis report dated September 18, 2019.*

QUESTION 2 – Painting, do we have a choice to use latex or alkyd?

ANSWER – *See updated specification section 09 91 13.*

QUESTION 3 – Specification 07 62 00 calls for a Fluoropolymer finish and match color. Matching the color with this finish is not possible (very costly and extremely long lead). Could we maybe change to powder coat system?

ANSWER – *See updated specification section 07 62 00.*

QUESTION 4 – Does the end cap flashing only covers the front of the corbel or is there another detail that is not on the plans?

ANSWER – *See updated sheets A8.00, A8.01, and A8.02 for details.*

SECTION 076200 - SHEET METAL FLASHING AND TRIM

PART 1 GENERAL

1. RELATED DOCUMENTS

- a. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

2. SUMMARY

- a. Section Includes:
 - 1) Manufactured & Formed reglets[**with counterflashing**].
 - 2) Formed wall sheet metal fabrications.

3. COORDINATION

- a. Coordinate sheet metal flashing and trim layout and seams with sizes and locations of penetrations to be flashed, and joints and seams in adjacent materials.
- b. Coordinate sheet metal flashing and trim installation with adjoining roofing and wall materials, joints, and seams to provide leakproof, secure, and noncorrosive installation.

4. PREINSTALLATION MEETINGS

- a. Preinstallation Conference: Conduct conference at Project Site
 - 1) Review construction schedule. Verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 2) Review special roof details, roof drainage, roof-penetration flashing, equipment curbs, and condition of other construction that affect sheet metal flashing and trim.
 - 3) Review requirements for insurance and certificates if applicable.
 - 4) Review sheet metal flashing observation and repair procedures after flashing installation.

5. ACTION SUBMITTALS

- a. Product Data: For each type of product.
 - 1) Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each manufactured product and accessory.
- b. Shop Drawings: For sheet metal flashing and trim.
 - 1) Include plans, elevations, sections, and attachment details.
 - 2) Include identification of material, thickness, weight, and finish for each item and location in Project.
 - 3) Include details for forming, including profiles, shapes, seams, and dimensions.

- 4) Include details for joining, supporting, and securing, including layout and spacing of fasteners, cleats, clips, and other attachments. Include pattern of seams.
 - 5) Include details of termination points and assemblies.
 - 6) Include details of expansion joints and expansion-joint covers, including showing direction of expansion and contraction from fixed points.
- c. Samples for Initial Selection: For each type of sheet metal and accessory indicated with factory-applied finishes.
6. INFORMATIONAL SUBMITTALS
- a. Qualification Data: For fabricator.
 - b. Product Test Reports: For each product, for tests performed by a qualified testing agency.
 - c. Sample Warranty: For special warranty.
7. CLOSEOUT SUBMITTALS
- a. Maintenance Data: For sheet metal flashing and trim, and its accessories, to include in maintenance manuals.
8. QUALITY ASSURANCE
- a. Fabricator Qualifications: Employs skilled workers who custom fabricate sheet metal flashing and trim similar to that required for this Project and whose products have a record of successful in-service performance.
 - 1) For copings and roof edge flashings that are **[SPRI ES-1 tested] [and] [FM Approvals approved]**, shop shall be listed as able to fabricate required details as tested and approved.
9. DELIVERY, STORAGE, AND HANDLING
- a. Do not store sheet metal flashing and trim materials in contact with other materials that might cause staining, denting, or other surface damage. Store sheet metal flashing and trim materials away from uncured concrete and masonry.
 - b. Protect strippable protective covering on sheet metal flashing and trim from exposure to sunlight and high humidity, except to extent necessary for period of sheet metal flashing and trim installation.
10. WARRANTY
- a. Special Warranty on Finishes: Manufacturer agrees to repair finish or replace sheet metal flashing and trim that shows evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1) Exposed Panel Finish: Deterioration includes, but is not limited to, the following:

- a) Color fading more than 5 Hunter units when tested according to ASTM D 2244.
 - b) Chalking in excess of a No. 8 rating when tested according to ASTM D 4214.
 - c) Cracking, checking, peeling, or failure of paint to adhere to bare metal.
- 2) Finish Warranty Period: **20** years from date of Substantial Completion.

PART 2 PRODUCTS

1. PERFORMANCE REQUIREMENTS

- a. General: Sheet metal flashing and trim assemblies shall withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Completed sheet metal flashing and trim shall not rattle, leak, or loosen, and shall remain watertight.
- b. Sheet Metal Standard for Flashing and Trim: Comply with **NRCA's "The NRCA Roofing Manual" and SMACNA's "Architectural Sheet Metal Manual"** requirements for dimensions and profiles shown unless more stringent requirements are indicated.
- c. FM Approvals Listing: Manufacture and install **edge flashings** that are listed in FM Approvals' "RoofNav" and approved for windstorm classification, **Class 1-105**.

2. SHEET METALS

- a. General: Protect mechanical and other finishes on exposed surfaces from damage before shipping.
 - 1) Exposed Coil-Coated Finish:
 - a) Two-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 - 2) Color: To match existing trim.
- b. Metallic-Coated Steel Sheet: Provide **zinc-coated & galvanized steel sheet according to ASTM A 653/A 653M, G90 (Z275) coating designation**.
 - 1) Surface: **Smooth, flat**.
 - 2) Exposed Coil-Coated Finish:
 - a) Two-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 - 3) Color: **Match existing trim – to be approved by Owner**

3. MISCELLANEOUS MATERIALS

- a. General: Provide materials and types of fasteners, protective coatings, sealants, and other miscellaneous items as required for complete sheet metal flashing and trim installation and as recommended by manufacturer of primary sheet metal unless otherwise indicated.
- b. Fasteners: Wood screws, annular threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners designed to withstand design loads and recommended by manufacturer of primary sheet metal.
 - 1) General: Blind fasteners or self-drilling screws, gasketed, with hex-washer head.
 - a) Exposed Fasteners: Heads matching color of sheet metal using plastic caps or factory-applied coating. Provide metal-backed EPDM or PVC sealing washers under heads of exposed fasteners bearing on weather side of metal.
 - b) Blind Fasteners: High-strength aluminum or stainless-steel rivets suitable for metal being fastened.
 - 2) Fasteners for Sheet: passivated Series 300 stainless steel.
 - 3) Fasteners for Zinc Sheet: Series 300 stainless steel or hot-dip galvanized steel according to ASTM A 153/A 153M or ASTM F 2329.
- c. Sealant Tape: Pressure-sensitive, 100 percent solids, polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch (13 mm) wide and 1/8 inch (3 mm) thick.
- d. Elastomeric Sealant: ASTM C 920, elastomeric **[polyurethane]** **[polysulfide]** **[silicone]** polymer sealant; of type, grade, class, and use classifications required to seal joints in sheet metal flashing and trim and remain watertight.
- e. Butyl Sealant: ASTM C 1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied for hooked-type expansion joints with limited movement.
- f. Epoxy Seam Sealer: Two-part, noncorrosive, aluminum seam-cementing compound, recommended by aluminum manufacturer for exterior nonmoving joints, including riveted joints.

4. FABRICATION, GENERAL

- a. General: Custom fabricate sheet metal flashing and trim to comply with details shown and recommendations in cited sheet metal standard that apply to design, dimensions, geometry, metal thickness, and other characteristics of item required. Fabricate sheet metal flashing and trim in shop to greatest extent possible.
 - 1) Fabricate sheet metal flashing and trim in thickness or weight needed to comply with performance requirements, but not less than that specified for each application and metal.
 - 2) Obtain field measurements for accurate fit before shop fabrication.
 - 3) Form sheet metal flashing and trim to fit substrates without excessive oil canning, buckling, and tool marks; true to line, levels, and slopes; and with exposed edges folded back to form hems.
 - 4) Conceal fasteners and expansion provisions where possible. Do not use exposed fasteners on faces exposed to view.

- b. Fabrication Tolerances: Fabricate sheet metal flashing and trim that is capable of installation to tolerances specified in MCA's "Guide Specification for Residential Metal Roofing."
- c. Expansion Provisions: Form metal for thermal expansion of exposed flashing and trim.
 - 1) Form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with butyl sealant concealed within joints.
 - 2) Use lapped expansion joints only where indicated on Drawings.
- d. Sealant Joints: Where movable, nonexpansion-type joints are required, form metal to provide for proper installation of elastomeric sealant according to cited sheet metal standard.
- e. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal.
- f. Fabricate cleats and attachment devices of sizes as recommended by cited sheet metal standard for application, but not less than thickness of metal being secured.
- g. Seams: Fabricate nonmoving seams with flat-lock seams. Tin edges to be seamed, form seams, and solder.
- h. Seams: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with elastomeric sealant unless otherwise recommended by sealant manufacturer for intended use. [**Rivet joints where necessary for strength.**]
- i. Do not use graphite pencils to mark metal surfaces.

PART 3 EXECUTION

1. EXAMINATION

- a. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, substrate, and other conditions affecting performance of the Work.
 - 1) Verify compliance with requirements for installation tolerances of substrates.
 - 2) Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and securely anchored.
 - 3) Verify that air- or water-resistant barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- b. Proceed with installation only after unsatisfactory conditions have been corrected.

2. INSTALLATION, GENERAL

- a. General: Anchor sheet metal flashing and trim and other components of the Work securely in place, with provisions for thermal and structural movement. Use fasteners, protective coatings, separators, sealants, and other miscellaneous items as required to complete sheet metal flashing and trim system.
 - 1) Install sheet metal flashing and trim true to line, levels, and slopes. Provide uniform, neat seams with minimum exposure of solder, welds, and sealant.

- 2) Install sheet metal flashing and trim to fit substrates and to result in watertight performance. Verify shapes and dimensions of surfaces to be covered before fabricating sheet metal.
 - 3) Space cleats not more than 12 inches (300 mm) apart. Attach each cleat with at least two fasteners. Bend tabs over fasteners.
 - 4) Install exposed sheet metal flashing and trim with limited oil canning, and free of buckling and tool marks.
 - 5) Torch cutting of sheet metal flashing and trim is not permitted.
 - 6) Do not use graphite pencils to mark metal surfaces.
- b. Metal Protection: Where dissimilar metals contact each other, or where metal contacts pressure-treated wood or other corrosive substrates, protect against galvanic action or corrosion by painting contact surfaces with bituminous coating or by other permanent separation as recommended by sheet metal manufacturer or cited sheet metal standard.
- 1) Coat concealed side of **uncoated-aluminum** or **stainless-steel** sheet metal flashing and trim with bituminous coating where flashing and trim contact wood, ferrous metal, or cementitious construction.
 - 2) Underlayment: Where installing sheet metal flashing and trim directly on cementitious or wood substrates, install underlayment and cover with slip sheet.
- c. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim.
- d. Fasteners: Use fastener sizes that penetrate **wood blocking or sheathing not less than 1-1/4 inches (32 mm) for nails and not less than 3/4 inch (19 mm) for wood screws.**
- e. Conceal fasteners and expansion provisions where possible in exposed work and locate to minimize possibility of leakage. Cover and seal fasteners and anchors as required for a tight installation.
- f. Seal joints as required for watertight construction.
- 1) Use sealant-filled joints unless otherwise indicated. Embed hooked flanges of joint members not less than 1 inch (25 mm) into sealant. Form joints to completely conceal sealant. When ambient temperature at time of installation is between 40 and 70 deg F (4 and 21 deg C), set joint members for 50 percent movement each way. Adjust setting proportionately for installation at higher ambient temperatures. Do not install sealant-type joints at temperatures below 40 deg F (4 deg C).
 - 2) Prepare joints and apply sealants to comply with requirements in Section 079200 "Joint Sealants."
3. WALL FLASHING INSTALLATION
- a. General: Install sheet metal wall flashing to intercept and exclude penetrating moisture according to cited sheet metal standard unless otherwise indicated. Coordinate installation of wall flashing with installation of wall-opening components such as windows, doors, and louvers.
4. CLEANING AND PROTECTION
- a. Clean exposed metal surfaces of substances that interfere with uniform oxidation and weathering.
 - b. Clean and neutralize flux materials. Clean off excess solder.
 - c. Clean off excess sealants.

- d. Remove temporary protective coverings and strippable films as sheet metal flashing and trim are installed unless otherwise indicated in manufacturer's written installation instructions. On completion of sheet metal flashing and trim installation, remove unused materials and clean finished surfaces as recommended by sheet metal flashing and trim manufacturer. Maintain sheet metal flashing and trim in clean condition during construction.
- e. Replace sheet metal flashing and trim that have been damaged or that have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 076200

SECTION 099113 - EXTERIOR PAINTING

PART 1 GENERAL

1. RELATED DOCUMENTS

- a. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- b. 062500 – Wood Repair. Coordinate work in this section to allow for appropriate prep for work in this section.

2. SUMMARY

- a. Section includes surface preparation and the application of paint systems on the following exterior substrates:
 - 1) Galvanized metal.
 - 2) Wood.
 - 3) Portland cement plaster (stucco).

3. DEFINITIONS

- a. MPI Gloss Level 1: Not more than five units at 60 degrees and 10 units at 85 degrees, according to ASTM D 523.
- b. MPI Gloss Level 3: 10 to 25 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.
- c. MPI Gloss Level 4: 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, according to ASTM D 523.
- d. MPI Gloss Level 5: 35 to 70 units at 60 degrees, according to ASTM D 523.
- e. MPI Gloss Level 6: 70 to 85 units at 60 degrees, according to ASTM D 523.
- f. MPI Gloss Level 7: More than 85 units at 60 degrees, according to ASTM D 523.

4. ACTION SUBMITTALS

- a. Product Data: For each type of product. Include preparation requirements and application instructions.
 - 1) Include printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
 - 2) Indicate VOC content.
- b. Samples for Verification: For each type of paint system and each color and gloss of topcoat.

- 1) Submit Samples on rigid backing, 8 inches (200 mm) square. Final coat shall match existing paint when dry.

5. MAINTENANCE MATERIAL SUBMITTALS

- a. Furnish extra materials, 1 gallon min that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

6. QUALITY ASSURANCE

- a. Mockups: Apply paint mockups to one of each of the three conditions described in the documents for approval by Architect. Coordinate site visit at least 1 week in advance. If satisfactory, each approved mock-up may remain and the remainder of conditions will use the approved mock-up as a basis for the quality.

- 1) Final approval of color selections will be based on mockups.
 - a) If preliminary color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.
- 2) Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
- 3) Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

7. DELIVERY, STORAGE, AND HANDLING

- a. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F (7 deg C).
 - 1) Maintain containers in clean condition, free of foreign materials and residue.
 - 2) Remove rags and waste from storage areas daily.

8. FIELD CONDITIONS

- a. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F (10 and 35 deg C).
- b. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.

PART 2 PRODUCTS

1. MANUFACTURERS

- a. Products: Sherwin Williams, Duration Exterior Latex Paint, Semi-Gloss Finish. This shall comply with all over requirements listed in the Project Documents.

2. PAINT, GENERAL

- a. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products Lists."
- b. Material Compatibility:
 - 1) Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2) For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.
- c. Colors: Final coat shall match existing, adjacent trim color once dry. Assume, one, single color.

3. SOURCE QUALITY CONTROL

- a. Testing of Existing Conditions: Owner reserves the right to invoke the following procedure:
 - 1) Owner will engage the services of a qualified testing agency to sample existing and paint materials provided by the Contractor. The Contractor will be notified in advance.
 - 2) Testing agency will perform tests for compliance with product requirements.
 - 3) Owner may direct Contractor to stop applying paints if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

PART 3 EXECUTION

1. EXAMINATION

- a. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work. Coordinate work with 062500-Wood Repair.

- b. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - 1) Wood: 15 percent.
 - 2) Portland Cement Plaster: 12 percent (if required).
- c. Portland Cement Plaster Substrates: If required, verify that plaster is properly prepared prior to painting.
- d. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.
- e. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1) Application of coating indicates acceptance of surfaces and conditions.

2. PREPARATION

- a. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- b. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
 - 1) Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- c. Galvanized-Metal Substrates: Inspect and remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.
- d. Wood Substrates:
 - 1) Coordinate wood painting with requirements for 062500-Wood Repair.
 - 2) Sand surfaces that will be exposed to view, and dust off.
 - 3) Prime edges, ends, faces, undersides, and backsides of wood. Use primer that is compatible with exterior final coats.
 - 4) After priming, fill any remaining holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

3. APPLICATION

- a. Apply paints according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."
 - 1) Use applicators and techniques suited for paint and substrate indicated.

2) Paint entire exposed surfaces of all sides of the corbels to point at which surface meets and is subsumed by wall, soffit or trim. Protect all adjacent surfaces from paint.

b. Tint undercoats to be same hue topcoat, but a lighter shade (tone) to facilitate sufficient difference in shade of undercoats to distinguish each separate coat.

4. CLEANING AND PROTECTION

a. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

b. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces including adjacent Cement Plaster and Metal Roofing.

c. Protect work of adjacent material against damage from paint application. Correct damage from paint on other surfaces by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

d. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

5. EXTERIOR PAINTING SCHEDULE

a. Galvanized-Metal Substrates- Flashing (existing):

1) Latex System:

a) Prime Coat: Primer, galvanized, cementitious.

1) Coordinate per District Standards prior to Bid.

b) Prime Coat: Primer, galvanized, water based.

1) Coordinate per District Standards prior to Bid.

c) Intermediate Coat: Latex, exterior, matching topcoat.

1) Coordinate per District Standards prior to Bid.

d) Topcoat: Latex, exterior, low sheen (MPI Gloss Level 3-4)

1) Coordinate per District Standards prior to Bid.

b. Wood Substrates: **Wood Corbels and Trim**

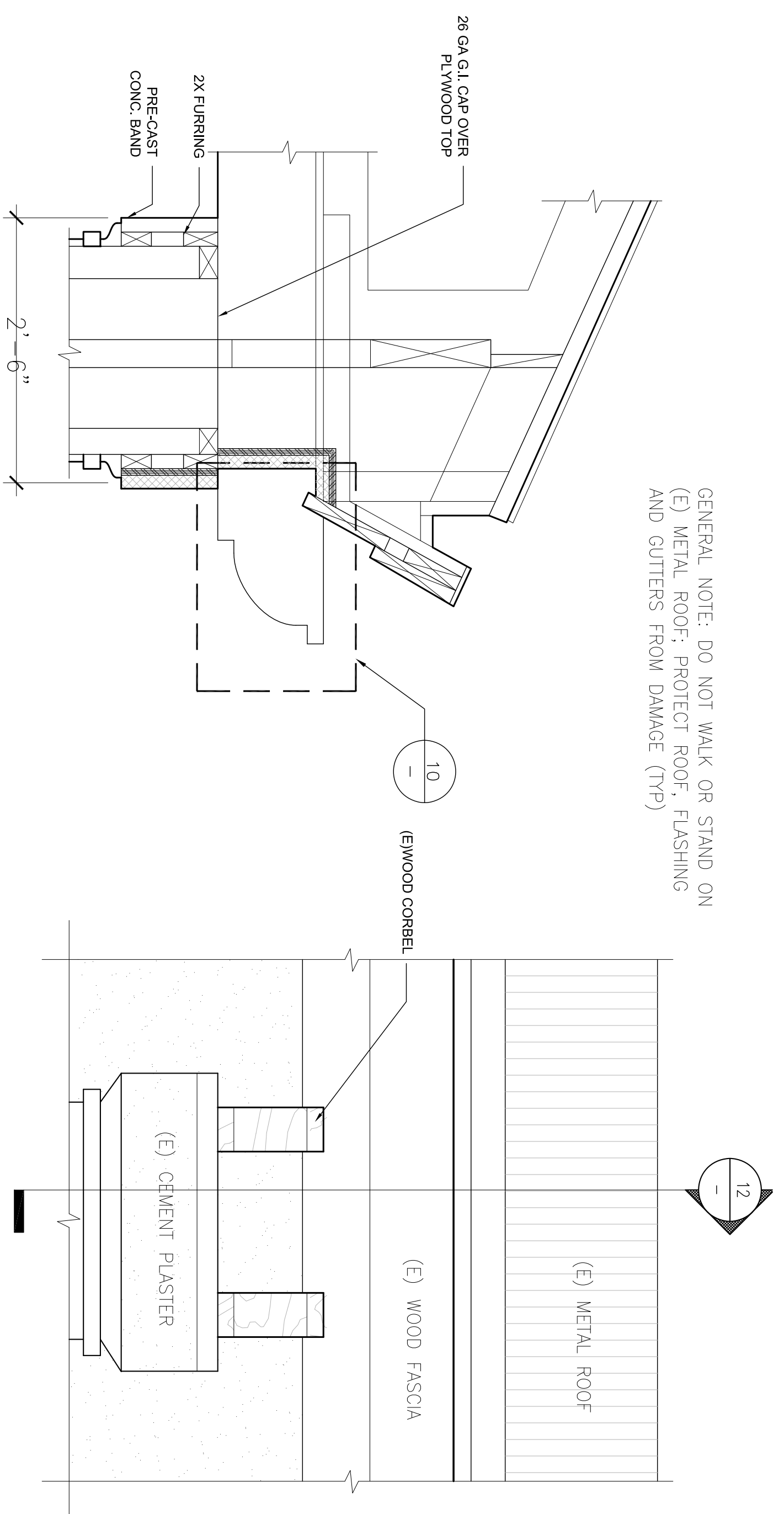
1) Exterior Latex over Exterior Latex Primer System:

a) Prime Coat: Primer, latex for exterior wood.

- 1) Coordinate per District Standards prior to Bid.
- b) Intermediate Coat: Latex, exterior, matching topcoat.
- c) Topcoat: Latex, exterior, flat (MPI Gloss Level 1).
 - 1) Coordinate per District Standards prior to Bid.
- d) Topcoat: Latex, exterior, low sheen (MPI Gloss Level 3-4).
 - 1) Coordinate per District Standards prior to Bid.
- e) Topcoat: Latex, exterior, semi-gloss (MPI Gloss Level 5).
 - 1) Coordinate per District Standards prior to Bid.

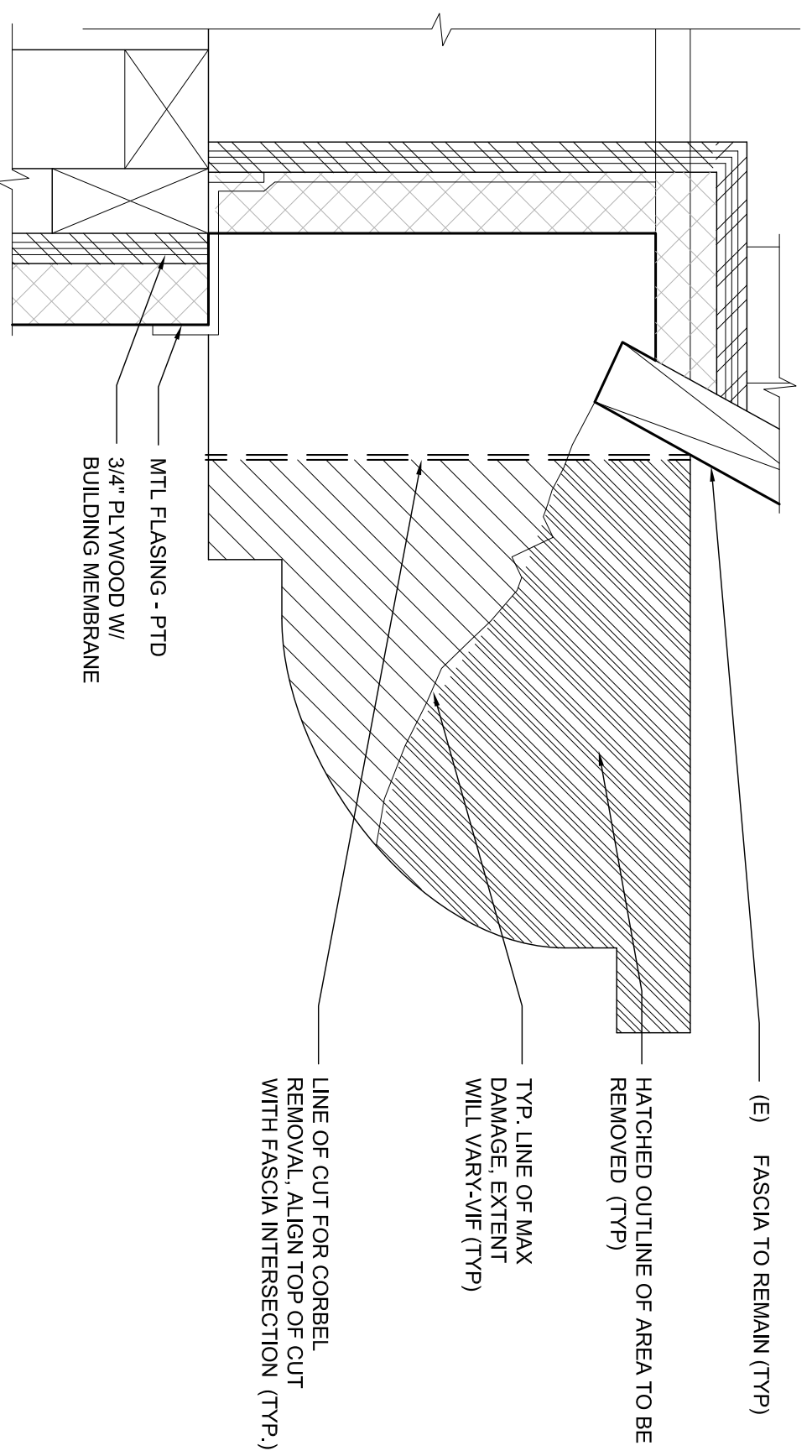
END OF SECTION 099113

GENERAL NOTE: DO NOT WALK OR STAND ON (E) METAL ROOF; PROTECT ROOF, FLASHING AND GUTTERS FROM DAMAGE (TYP)

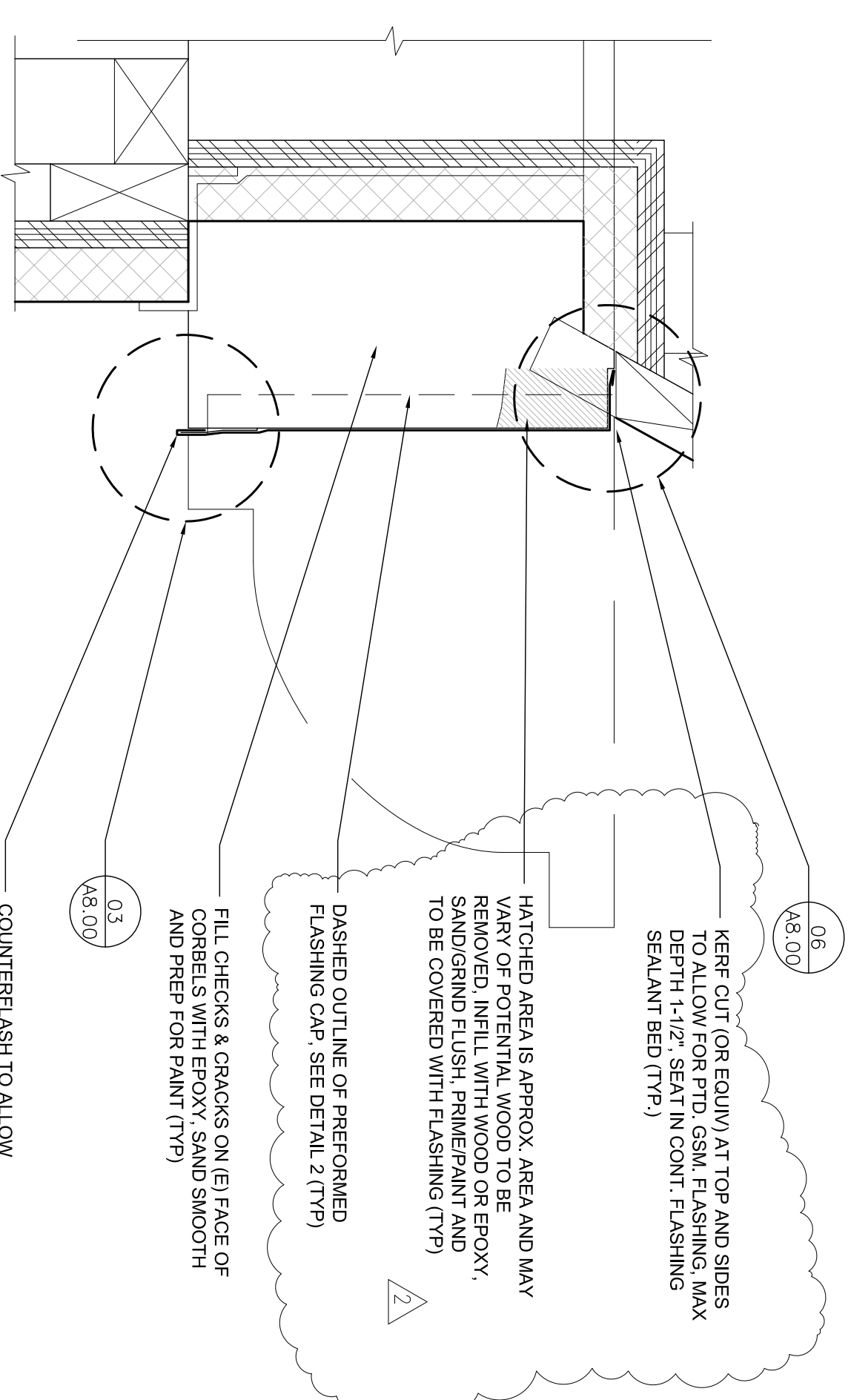


12 SECTION @ TYPE-B CORBEL (TYP)
SCALE: 1" = 1'-0"

9 ELEVATION @ TYPE-B CORBEL (TYP)
SCALE: 1" = 1'-0"



10A DEMO SECTION DETAIL @ TYPE-B CORBEL (TYP)
SCALE: 3" = 1'-0"



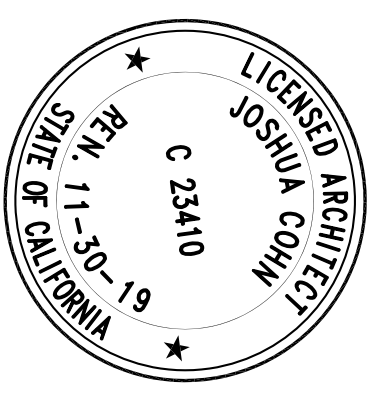
10B SECTION DETAIL @ TYPE-B CORBEL (TYP)
SCALE: 3" = 1'-0"

OWNER:
Solano Community College District
2000 North Village Parkway
Vacaville, CA 95688

ARCHITECT:
CA ARCHITECTS
475 Gate Five Road, Suite 107
Sausalito, CA 94965
T 415.331.7655
F 415.331.7656

PROJECT:
VACAVILLE ANNEX CORBEL
REPAIR PROJECT

CONSULTANT TEAM:



SHEET LEGEND:

ISSUE/REVISION:
NO. DATE DESCRIPTION:
ISSUE FOR PRICING/BD: 8/14/2019
Δ ISSUE FOR ADDENDUM #2: 9/20/2019

KEY PLAN:

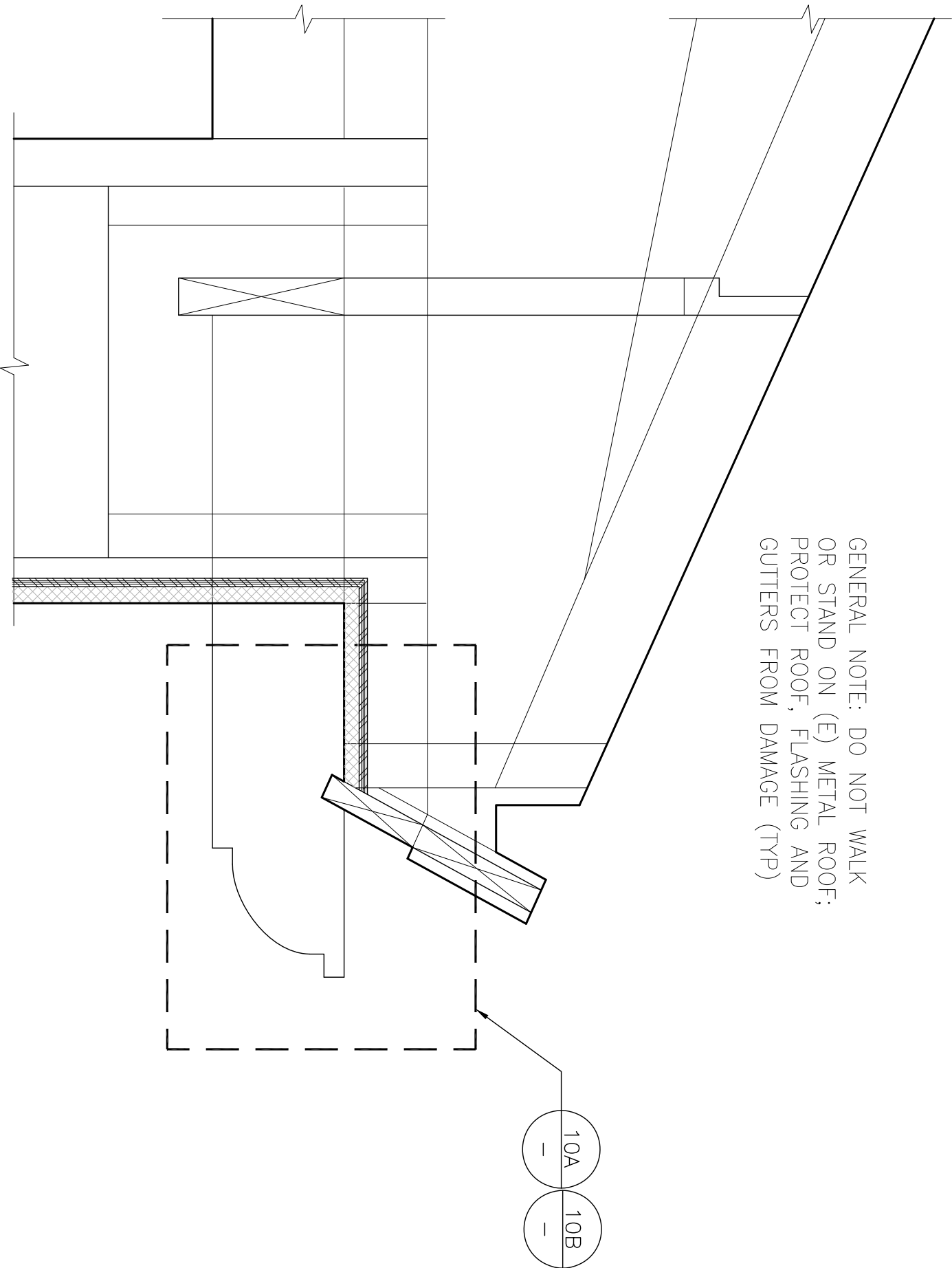
SCALE:
DATE:
PROJECT NO.:
PERMIT APPLICATION NO.:

EXT. DETAILS
CONDITION B
A8.01

OWNER:

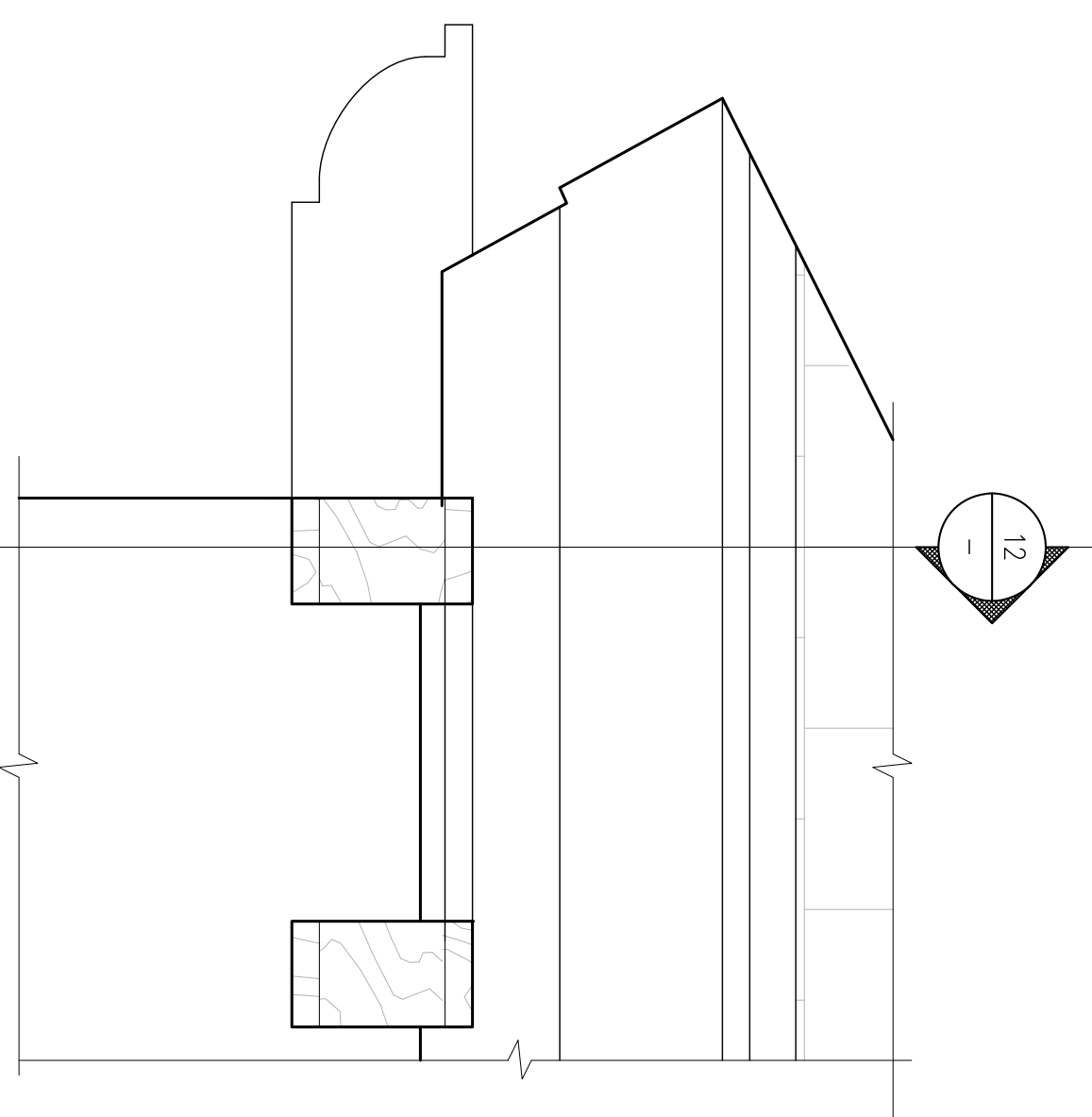
Solano Community College District
2000 North Village Parkway
Vacaville, CA 95688

GENERAL NOTE: DO NOT WALK
OR STAND ON (E) METAL ROOF;
PROTECT ROOF, FLASHING AND
GUTTERS FROM DAMAGE (TYP)



12 SECTION @ C-TYPE CORBEL (TYP)

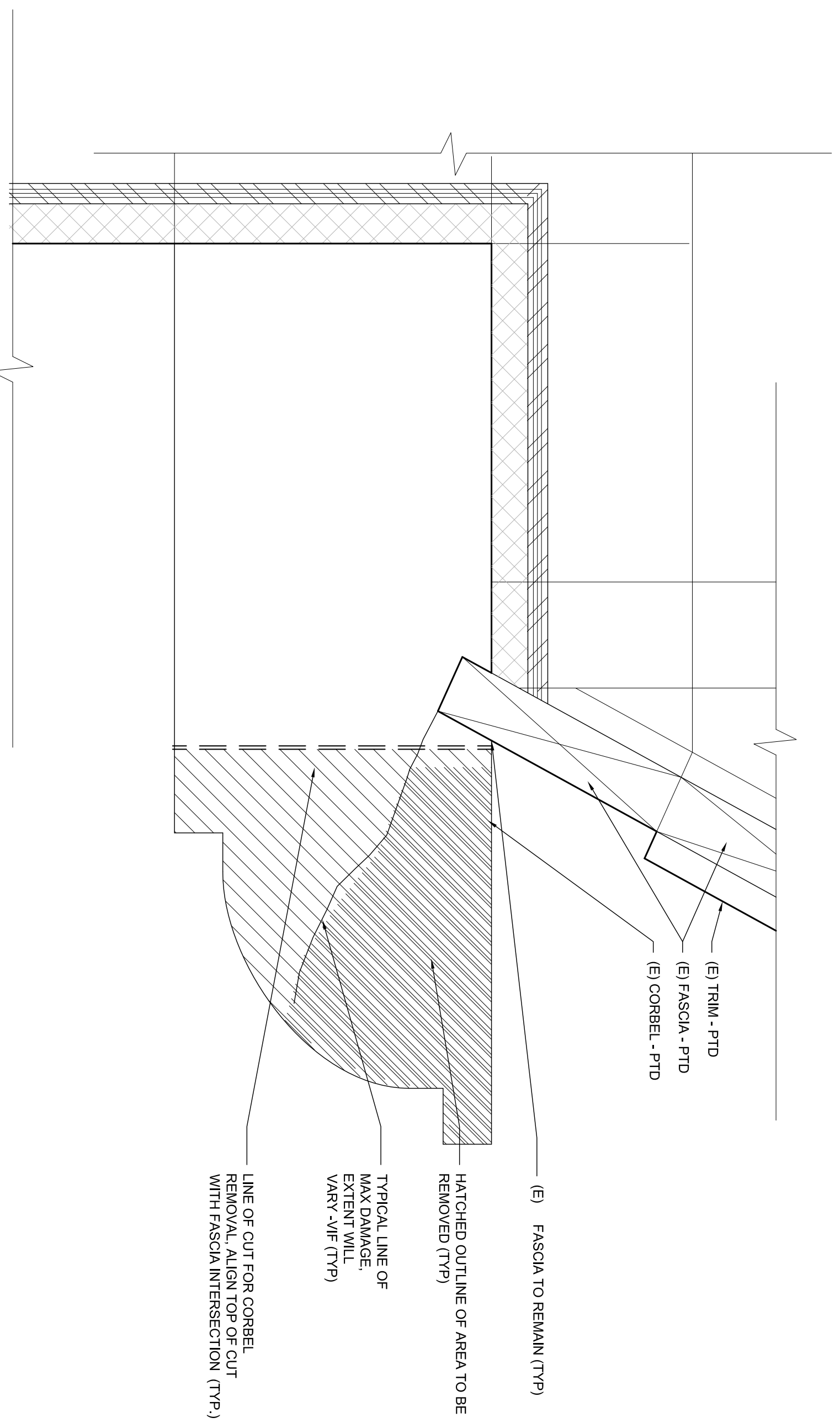
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9 ELEVATION @ C-TYPE CORBEL (TYP)

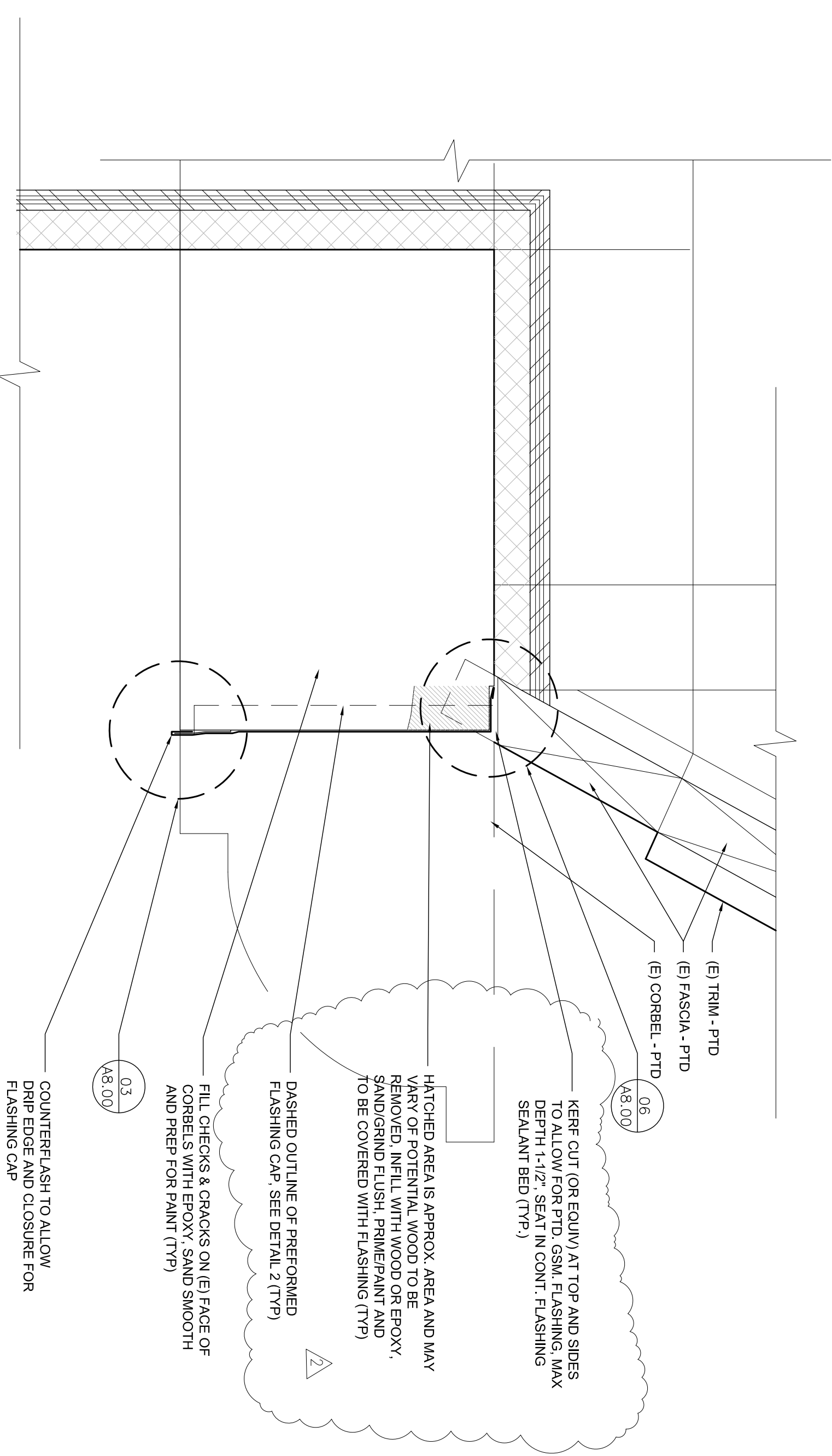
SCALE: 1" = 1'-0"

GENERAL NOTE: DO NOT WALK
OR STAND ON (E) METAL ROOF;
PROTECT ROOF, FLASHING AND
GUTTERS FROM DAMAGE (TYP)



10A DEMO SECTION @ C-TYPE CORBEL DETAIL (TYP)

SCALE: 3" = 1'-0"



10B SECTION DETAIL @ C-TYPE CORBEL (TYP)

SCALE: 3" = 1'-0"

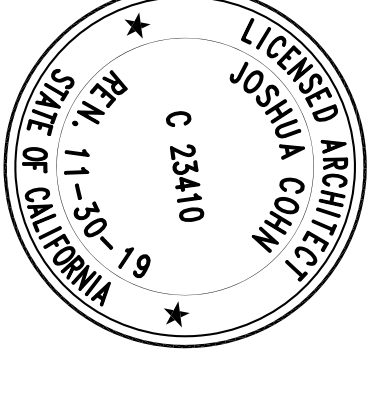
GENERAL NOTE: DO NOT WALK
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ARCHITECT:
CA ARCHITECTS
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T 415.331.7655
F 415.331.7656

PROJECT:
VACAVILLE ANNEX CORBEL
REPAIR PROJECT

CONSULTANT TEAM:

STAMP



SHEET LEGEND:

ISSUE/REVISION:

NO. DATE DESCRIPTION

ISSUE FOR PRICING/BD: 8/14/2019

ISSUE FOR ADDENDUM #2: 9/20/2019

KEY PLAN:

SCALE:
DATE:
PROJECT NO.:
PERMIT APPLICATION NO.:

EXT. DETAILS
CONDITION C
A8.02



CALIFORNIA LABORATORY SERVICES

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September 18, 2019

CLS Work Order #: 1910835

COC #: 197492

Michael Montanus
Premier Chemical
3477 Pleasant's Trail
Vacaville, CA 94533

**Project Name: Solano College 1951 N. Village
Prky**

Enclosed are the results of analyses for samples received by the laboratory on 09/16/19 10:41. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233



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Premier Chemical 3477 Pleasant's Trail Vacaville, CA 94533	Project: Solano College 1951 N. Village Prky Project Number: [none] Project Manager: Michael Montanus	CLS Work Order #: 1910835 COC #: 197492
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Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Building Trim (1910835-01) Paint Sampled: 09/16/19 09:41 Received: 09/16/19 10:41									
Lead	28	2.5	mg/kg	1	1907760	09/16/19	09/17/19	EPA 6010B	



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Premier Chemical 3477 Pleasant's Trail Vacaville, CA 94533	Project: Solano College 1951 N. Village Prky Project Number: [none] Project Manager: Michael Montanus	CLS Work Order #: 19I0835 COC #: 197492
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Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1907760 - EPA 3050B										
Blank (1907760-BLK1)										
					Prepared: 09/16/19 Analyzed: 09/17/19					
Lead	ND	2.5	mg/kg							
LCS (1907760-BS1)										
					Prepared: 09/16/19 Analyzed: 09/17/19					
Lead	89.7	2.5	mg/kg	100	90	68	75-125			
Matrix Spike (1907760-MS1)										
					Source: 19I0840-01 Prepared: 09/16/19 Analyzed: 09/17/19					
Lead	112	2.5	mg/kg	100	44.4	68	75-125			QM-5
Matrix Spike Dup (1907760-MSD1)										
					Source: 19I0840-01 Prepared: 09/16/19 Analyzed: 09/17/19					
Lead	100	2.5	mg/kg	100	44.4	56	75-125	12	30	QM-5



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Premier Chemical 3477 Pleasant's Trail Vacaville, CA 94533	Project: Solano College 1951 N. Village Prky Project Number: [none] Project Manager: Michael Montanus	CLS Work Order #: 1910835 COC #: 197492
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Notes and Definitions

- QM-5 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference