



**ADDENDUM 002**

**DATE:** August 30, 2019  
**ADDENDUM NUMBER:** 002  
**DG PROJECT NUMBER:** 3050  
**PROJECT NAME:** APS Coyote Willow Family School – Phase 2  
**PROJECT ADDRESS:** 7125 Irving Blvd NW, Albuquerque, NM 87114  
**ISSUED BY:** Wendy E.S. Caruso, AIA, Project Manager

**NOTICE:** *This addendum forms a part of the Contract Documents and modifies the Documents issued by The Hartman + Majewski Design Group and dated September 14, 2018. Acknowledge receipt of this Addendum in locations required on the Pricing Forms. Failure to do so may subject the Proposer to disqualification. All other provisions of the Contract Documents shall remain unchanged. This Addendum contains a total of Thirty One (31) 8 ½" x 11" pages and Six (6) 30" x 42" replacement sheets.*

**GENERAL CLARIFICATIONS:**

1. Question: Will there be a time provided to visit the existing campus?  
Response: A site visit will be held on Wednesday, September 4, 2019 at 3:30 pm.
2. Sign in sheet from the mandatory pre-proposal conference is included in Addendum 002.

**CHANGES TO SPECIFICATIONS:**

Table of Contents:

- A. Change Section number 01 8113.23 to read 01 8113.
- B. Add Section 07 9100 "PREFORMED JOINT SEALS".
- C. Change Section number 31 0000 to read 31 2000.
- D. Add Section 32 1216 "ASPHALT CONCRETE PAVING"

00 6600 "Minimum Wage Rate Information": Replace Section 00 6600 with Section 00 6600 attached.

00 8200 "Index to Technical Specifications": Change Section number 01 8113.23 to read 01 8113

01 7419 "Construction Waste Management and Disposal": Replace Section 01 7419 with Section 01 7419 attached.

01 8113.23 "Sustainable Design Requirements – LEED v4 for Schools": Replace Section 01 8113.23 with attachments with Section 01 8113 attached.



03 0559 “Penetrating Colloidal Concrete Treatment”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.C and subparagraph.
- D. Add paragraph 2.2 and subparagraphs to read as follows:
  - 2.2 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.2.A and add subparagraphs to read as follows:
  - A. Examination, preparation, and application per SCP’s™ written instructions, industry guidelines, and as follows:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

03 3510 “Polished Concrete Finishing”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.4.C and subparagraph.
- D. Add paragraph 2.2 and subparagraphs to read as follows:
  - 2.2 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Begin installation only after non-compliant conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

03 4500 “Precast Architectural Concrete”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.
- D. Add paragraph 2.2 and subparagraphs to read as follows:
  - 2.2 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

04 2613 “Masonry Veneer”:

- A. Delete paragraph 1.1.C.1.
- B. Change paragraph 1.1.C.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.4.B and subparagraph.



- D. Add paragraph 2.2 and subparagraphs to read as follows:
  - 2.2 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.C and add subparagraphs to read as follows:
  - C. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

05 5000 “Metal Fabrications”:

- A. Delete paragraph 1.1.C.1.
- B. Change paragraph 1.1.C.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.
- D. Add paragraph 2.2 and subparagraphs to read as follows:
  - 2.2 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

06 4500 “Custom Plastic-Laminate Casework”:

- A. Delete paragraph 1.1.C.1.
- B. Change paragraph 1.1.C.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.D and subparagraph.
- D. Add paragraph 2.2 and subparagraphs to read as follows:
  - 2.2 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.3.C and add subparagraphs to read as follows:
  - C. Before installing architectural woodwork, examine shop fabricated work for completion and complete work as required, including back priming and removal of packing and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

06 4600 “Wood Trim”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.



2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.A and add subparagraphs to read as follows:
- A. LEED requirement:
    1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.
- 07 2100 "Thermal Insulation":
- A. Delete paragraph 1.1.B.1.
  - B. Change paragraph 1.1.B.2 to read "Section 01 8113 Part 1.5 for LEED product submittal requirements."
  - C. Delete paragraph 1.2.B and subparagraph.
  - D. Add paragraph 2.1 and subparagraphs to read as follows:
    - 2.1 LEED RELATED REQUIREMENTS
      - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
        1. Submittal requirements for LEED v4 Materials and Resources Credits.
        2. Submittal requirements for LEED v4 Environmental Quality Credits.
- 07 2726 "Fluid-Applied Membrane Air Barriers":
- A. Delete paragraph 1.1.B.1.
  - B. Change paragraph 1.1.B.2 to read "Section 01 8113 Part 1.5 for LEED product submittal requirements."
  - C. Delete paragraph 1.3.B and subparagraph.
  - D. Add paragraph 2.1 and subparagraphs to read as follows:
    - 2.1 LEED RELATED REQUIREMENTS
      - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
        1. Submittal requirements for LEED v4 Materials and Resources Credits.
        2. Submittal requirements for LEED v4 Environmental Quality Credits.
  - E. Change paragraph 3.1.B and add subparagraphs to read as follows:
    - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
      1. Provide submittals as required by Section 01 8113 Supplemental Table.
        - a. Submittal Requirements for LEED v4 Environmental Quality Credits.
- 07 4113.16 "Standing-Seam Metal Roof Panels":
- A. Replace this section in its entirety with section 07 4113.16 "Standing-Seam Metal Roof Panels" replacing basis of design with Una-Clad UC-6 as manufactured by Firestone Building Products matching existing roofs, section attached.
- 07 6200 "Sheet Metal Flashing and Trim":
- A. Delete paragraph 1.1.B.1.
  - B. Change paragraph 1.1.B.2 to read "Section 01 8113 Part 1.5 for LEED product submittal requirements."
  - C. Delete paragraph 1.3.B and subparagraph.
  - D. Add paragraph 2.1 and subparagraphs to read as follows:
    - 2.1 LEED RELATED REQUIREMENTS
      - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
        1. Submittal requirements for LEED v4 Materials and Resources Credits.
        2. Submittal requirements for LEED v4 Environmental Quality Credits.



07 8413 “Penetration Firestopping”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

07 8443 “Joint Firestopping”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

07 9100 “Preformed Joint Seals”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

07 9200 “Joint Sealants”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.



- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

08 1113 “Hollow Metal Doors and Frames”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.4.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.C and add subparagraphs to read as follows:
  - C. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

08 1416 “Flush Wood Doors”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

08 3113 “Access Doors and Frames”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.C and subparagraph.



- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

08 5113 “Aluminum Windows”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.F and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

08 6201 “Tubular Daylighting Device”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.4.D and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

08 7100 “Finish Hardware”:

- A. Delete paragraph 1.1.A.1.
- B. Change paragraph 1.1.A.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.D and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

08 8000 “Glazing”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”



- C. Delete paragraph 1.4.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

09 2216 “Non-Structural Metal Framing”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.C and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

09 2400 “Cement Plastering (Stucco)”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

09 2900 “Gypsum Board”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.





2. Submittal requirements for LEED v4  
Environmental Quality Credits.

09 3013 “Ceramic Tiling”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

09 5113 “Acoustical Panel Ceilings”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.B and subparagraph.
- D. Add paragraph 2.2 and subparagraphs to read as follows:
  - 2.2 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Delete paragraph 2.5.C, font as printed is struck-through.
- F. Change paragraph 3.1.C and add subparagraphs to read as follows:
  - C. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

09 6513 “Resilient Base and Accessories”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.1.D and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.



E. Change paragraph 3.1.B and add subparagraphs to read as follows:

- B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
  - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
    - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

09 6543 “Linoleum Flooring”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

09 6813 “Tile Carpeting”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.D and add subparagraphs to read as follows:
  - D. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

09 8433 “Sound-Absorbing Wall Units”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.



- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

09 9113 “Exterior Painting”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.D and add subparagraphs to read as follows:
  - D. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

09 9123 “Interior Painting”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.C and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.E and add subparagraphs to read as follows:
  - E. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

10 1100 “Visual Display Units”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.



10 1423 “Panel Signage”:

- A. Add subparagraph 1.1.A.2 to read as follows:
  - 2. “NO SMOKING” building sign.
- B. Delete paragraph 1.1.B.1.
- C. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- D. Delete paragraph 1.3.B and subparagraph.
- E. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- F. Add paragraph 2.5 to read as follows:
  - 2.5 “NO SMOKING” SIGN
    - A. Sign Design:
      - 1. Sign to match existing No Smoking sign mounted at main building entrance.
      - 2. Substrate: .080 Brushed silver aluminum.
      - 3. Graphic and lettering:
        - a. Vinyl on first surface.
        - b. Color: HP Black.
        - c. Graphic: No Smoking symbol, 7-inches diameter.
        - d. Lettering:
          - 1) “NO SMOKING” letter height: 1 3/4-inches.
          - 2) “WITHIN 25 FEET” letter height: 1 inch.
    - B. Mounting: Screw mounted where shown or where designated by Architect.
- G. Change paragraph 3.1.D and add subparagraphs to read as follows:
  - D. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

10 2113.13 “Metal Toilet Compartments”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

10 2800 “Toilet, Bath, And Laundry Accessories”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.4.A and subparagraph.



- D. Add paragraph 2.1 and subparagraphs to read as follows:

- 2.1 LEED RELATED REQUIREMENTS

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

10 4413 “Fire Protection Cabinets”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3 and subparagraphs.
- D. Add paragraph 2.2 and subparagraphs to read as follows:
  - 2.2 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

12 2413 “Roller Window Shades”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.A and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

12 3661.16 “Solid Surfacing Countertops”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Change paragraph 3.1.B and add subparagraphs to read as follows:
  - B. Proceed with installation only after unsatisfactory conditions have been corrected and the following completed:
    - 1. Provide submittals as required by Section 01 8113 Supplemental Table.
      - a. Submittal Requirements for LEED v4 Environmental Quality Credits.

12 4813 “Entrance Floor Mats And Frames”:

- A. Delete paragraph 1.1.B.1.
- B. Change paragraph 1.1.B.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”



- C. Delete paragraph 1.3.E and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:

2.1 LEED RELATED REQUIREMENTS

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
  - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
  - 2. Submittal requirements for LEED v4 Environmental Quality Credits.

31 2000 “Earthwork”: Add specification section 31 2000 in its entirety, attached.

32 1216 “Asphalt Concrete Paving”:

- A. Delete paragraph 1.1.D.1.
- B. Change paragraph 1.1.D.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.2.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Add paragraph 3.1. and subparagraphs to read as follows:
  - 3.1. PREPARATION AND APPLICATION
    - A. Provide submittals as required by Section 01 8113 Supplemental Table.
      - 1. Submittal Requirements for LEED v4 Environmental Quality Credits.

32 1375 “Concrete Curbs, Gutters, Walks, And Drivepads”:

- A. Delete paragraph 1.1.H.1.
- B. Change paragraph 1.1.H.2 to read “Section 01 8113 Part 1.5 for LEED product submittal requirements.”
- C. Delete paragraph 1.3.B and subparagraph.
- D. Add paragraph 2.1 and subparagraphs to read as follows:
  - 2.1 LEED RELATED REQUIREMENTS
    - A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
      - 1. Submittal requirements for LEED v4 Materials and Resources Credits.
      - 2. Submittal requirements for LEED v4 Environmental Quality Credits.
- E. Add paragraph 3.1. and subparagraphs to read as follows:
  - 3.1. PREPARATION AND APPLICATION
    - A. Provide submittals as required by Section 01 8113 Supplemental Table.
      - 1. Submittal Requirements for LEED v4 Environmental Quality Credits.

33 0501 “Utility Trenching, Backfilling, and Compacting”

- A. Delete paragraph 1.2.A.
- B. Change paragraph 1.2.B to read “Section 31 2000 Earthwork.”



## **CHANGES TO THE DRAWINGS:**

### **Civil Sheets**

#### **C101 SITE PAVING PLAN**

1. Add Flag Pole and Keyed Note #20.
2. Replace entire sheet C101.

#### **C501 CIVIL DETAILS**

1. Add detail B4/C501 for 40' Flag Pole Detail.
2. Replace entire sheet C501.

### **Structural Sheets**

#### **S102 ROOF FRAMING PLAN**

1. Detail 10/S302 has been added at the interior masonry wall to clarify the roof step.
2. Roof framing clarification has been added at the transition from the existing portal to the new addition.

#### **S301 FRAMING SECTIONS & DETAILS**

1. Detail 9/S301 has been revised to match the Phase I construction.
2. Detail 11/S301 has been revised to clarify the connection of new roof structure to existing.
3. Detail 15/S301 has been added to describe portal beam support at the inside corner condition.

#### **S302 SECTION B FRAMING SECTIONS& DETAILS**

1. Details 9/S302, 10/S302, 11/S302 and 12/S302 are added to describe transition from existing to new construction at the portal

### **Architectural Sheets**

#### **A500 DETAILS**

1. Replace Sheet A500 its entirety.

### **Electrical Sheets**

#### **SHEET E101**

1. Computer Tech 210
  - a. Toggle switch at door for lights shall change to be a dimmer switch, note with Keyed Note 2.
2. Counselor 233
  - a. Occupancy sensor wall switch shall change to a dimming occupancy sensor wall switch.

**END OF ADDENDUM 002**

Thursday, August 29, 2019

11:00AM

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SECTION 07 4113.16

STANDING-SEAM METAL ROOF PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes standing-seam metal roof panels.
- B. Related Sections:
  - 1. Section 01 8113 Part 1.5 for LEED product submittal requirements.
  - 2. Section 07 6200 "Sheet Metal Flashing and Trim" for gutters, downspouts, fasciae, and flashings that are not part of sheet metal roofing.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
  - 1. Meet with Owner, Architect, Owner's insurer if applicable, metal panel Installer, metal panel manufacturer's representative, structural-support Installer, and installers whose work interfaces with or affects metal panels, including installers of roof accessories and roof-mounted equipment.
  - 2. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
  - 3. Review methods and procedures related to metal panel installation, including manufacturer's written instructions.
  - 4. Examine support conditions for compliance with requirements, including alignment between and attachment to structural members.
  - 5. Review structural loading limitations of deck and roof structure during and after roofing.
  - 6. Review flashings, special details, drainage, penetrations, equipment curbs, and condition of other construction that affect metal panels.
  - 7. Review governing regulations and requirements for insurance, certificates, and tests and inspections if applicable.
  - 8. Review temporary protection requirements for metal panel systems during and after installation.
  - 9. Review procedures for repair of metal panels damaged after installation.
  - 10. Document proceedings, including corrective measures and actions required, and furnish copy of record to each participant.

### 1.3 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 type of panel and accessory.
- B. Shop Drawings:
  - 1. Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
  - 2. Accessories: Include details of the flashing, trim, and anchorage systems, at a scale of not less than 1-1/2 inches per 12 inches.
- C. Samples for Initial Selection: For each type of metal panel indicated with factory-applied color finishes.
  - 1. Include similar Samples of trim and accessories involving color selection.
    - a. Color: Match existing.
- D. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below.
  - 1. Metal Panels: 12 inches long by actual panel width. Include clips, fasteners, closures, and other metal panel accessories.

### 1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For each product, for tests performed by a qualified testing agency.
- C. Field quality-control reports.
- D. Sample Warranties: For special warranties.

### 1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For metal panels to include in maintenance manuals.

### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

- B. UL-Certified, Portable Roll-Forming Equipment: UL-certified, portable roll-forming equipment capable of producing metal panels warranted by manufacturer to be the same as factory-formed products. Maintain UL certification of portable roll-forming equipment for duration of work.
- C. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.
  - 1. Build mockup of typical roof area and eave, including fascia, and soffit as shown on Drawings; approximately 12 feet square by full thickness, including attachments, underlayment, and accessories.
    - a. One mockup at sloped roof.
  - 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. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

#### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver components, metal panels, and other manufactured items so as not to be damaged or deformed. Package metal panels for protection during transportation and handling.
- B. Unload, store, and erect metal panels in a manner to prevent bending, warping, twisting, and surface damage.
- C. Stack metal panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal panels to ensure dryness, with positive slope for drainage of water. Do not store metal panels in contact with other materials that might cause staining, denting, or other surface damage.
- D. Retain strippable protective covering on metal panels during installation.

#### 1.8 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of metal panels to be performed according to manufacturers' written instructions and warranty requirements.

#### 1.9 COORDINATION

- A. Coordinate sizes and locations of roof curbs, equipment supports, and roof penetrations with actual equipment provided.
- B. Coordinate metal panel installation with rain drainage work, flashing, trim, construction of soffits, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

1.10 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal panel systems that fail in materials or workmanship within specified warranty period.
1. Failures include, but are not limited to, the following:
    - a. Structural failures, including but not limited to rupturing, cracking, or puncturing.
    - b. Wrinkling or buckling.
    - c. Loose parts.
    - d. Failure to remain weathertight, including uncontrolled water leakage.
    - e. Deterioration of metals, metal finishes, and other materials beyond normal weathering, including non-uniformity of color or finish.
    - f. Galvanic action between sheet metal roofing and dissimilar materials.
  2. Warranty Period: Two years from date of Substantial Completion.
- B. Special Warranty on Panel Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal panels that show 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.
- C. Special Weathertightness Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace standing-seam metal roof panel assemblies that fail to remain weathertight, including leaks, within specified warranty period.
1. Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 LEED RELATED REQUIREMENTS

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
1. Submittal requirements for LEED v4 Materials and Resources Credits.
  2. Submittal requirements for LEED v4 Environmental Quality Credits.

## 2.2 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to ASTM E 1592:
  - 1. Wind Loads: As indicated on Drawings.
  - 2. Other Design Loads: As indicated on Drawings.
  - 3. Deflection Limits: For wind loads, no greater than 1/240 of the span.
- B. Air Infiltration: Air leakage of not more than 0.06 cfm/sq. ft. when tested according to ASTM E 1680 at the following test-pressure difference:
  - 1. Test-Pressure Difference: 6.24 lbf/sq. ft.
- C. Water Penetration under Static Pressure: No water penetration when tested according to ASTM E 1646 at the following test-pressure difference:
  - 1. Test-Pressure Difference: 6.24 lbf/sq. ft.
- D. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
  - 1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.

## 2.3 STANDING-SEAM METAL ROOF PANELS

- A. Standing-Seam metal roof must match existing standing-seam roof.
  - 1. Match profile.
  - 2. Match panel width.
  - 3. Match color.
- B. General: Provide factory-formed metal roof panels designed to be installed by lapping and interconnecting raised side edges of adjacent panels with joint type indicated and mechanically attaching panels to supports using concealed clips in side laps. Include clips, cleats, pressure plates, and accessories required for weathertight installation.
  - 1. Steel Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E 1514.
- C. Symmetrical, Vertical-Rib, Standing-Seam Metal Roof Panels: Formed with vertical ribs at panel edges and manufacturer's standard panel profile between ribs; designed for installation by mechanically attaching panels to supports using concealed clips located under one side of panels, engaging opposite edge of adjacent panels, and separate seam cap joining panels together.
  - 1. Basis of Design: Una-Clad UC-6 as manufactured by Firestone Building Products.

- a. Approved equal.
2. Metallic-Coated Steel Sheet: Zinc-coated (galvanized) steel sheet complying with ASTM A 653/A 653M, G90 coating designation, or aluminum-zinc alloy-coated steel sheet complying with ASTM A 792/A 792M, Class AZ50 coating designation; structural quality. Prepainted by the coil-coating process to comply with ASTM A 755/A 755M.
  - a. Nominal Thickness: 0.028 inch (24 Ga.).
  - b. Exterior Finish: Two-coat fluoropolymer.
  - c. Color: As selected by Architect from manufacturer's standard range.
3. Clips: One-piece fixed to accommodate thermal movement.
  - a. Material: 0.064-inch- (16 Ga.) nominal thickness, zinc-coated (galvanized) or aluminum-zinc alloy-coated steel sheet.
4. Joint Type: As standard with manufacturer.
5. Panel Coverage: 16 inches.
6. Panel Height: 2 inches, to match existing..

#### 2.4 UNDERLAYMENT MATERIALS

- A. Self-Adhering, High-Temperature Underlayment: Provide self-adhering, cold-applied, sheet underlayment, a minimum of 30 mils thick, consisting of slip-resistant, polyethylene-film top surface laminated to a layer of butyl or SBS-modified asphalt adhesive, with release-paper backing. Provide primer when recommended by underlayment manufacturer.
  1. Thermal Stability: Stable after testing at 240 deg F; ASTM D 1970.
  2. Low-Temperature Flexibility: Passes after testing at minus 20 deg F; ASTM D 1970.
  3. **Manufacturers:** Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
    - a. Firestone Building Products.
    - b. **Grace Construction Products; W.R. Grace & Co. -- Conn.**
    - c. **Henry Company.**
    - d. **Owens Corning.**
- B. Slip Sheet: Manufacturer's recommended slip sheet, of type required for application.

#### 2.5 MISCELLANEOUS MATERIALS

- A. Miscellaneous Metal Subframing and Furring: ASTM C 645; cold-formed, metallic-coated steel sheet, ASTM A 653/A 653M, G90 coating designation or ASTM A 792/A 792M, Class AZ50 coating designation unless otherwise indicated. Provide manufacturer's standard sections as required for support and alignment of metal panel system.



- B. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated.
1. Closures: Provide closures at eaves and ridges, fabricated of same metal as metal panels.
  2. Backing Plates: Provide metal backing plates at panel end splices, fabricated from material recommended by manufacturer.
  3. Closure Strips: Closed-cell, expanded, cellular, rubber or crosslinked, polyolefin-foam or closed-cell laminated polyethylene; minimum 1-inch-thick, flexible closure strips; cut or premolded to match metal panel profile. Provide closure strips where indicated or necessary to ensure weathertight construction.
- C. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, eaves, rakes, corners, bases, framed openings, ridges, fasciae, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.
- D. Gutters: Formed from same material as roof panels, complete with end pieces, outlet tubes, and other special pieces as required. Fabricate in minimum 96-inch-long sections, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Furnish gutter supports spaced a maximum of 36 inches o.c., fabricated from same metal as gutters. Provide wire ball strainers of compatible metal at outlets. Finish gutters to match metal roof panels.
- E. Downspouts: Formed from same material as roof panels. Fabricate in 10-foot-long sections, complete with formed elbows and offsets, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Finish downspouts to match gutters.
- F. Roof Curbs: Fabricated from same material as roof panels, 0.048-inch nominal thickness; with bottom of skirt profiled to match roof panel profiles and with welded top box and integral full-length cricket. Fabricate curb subframing of 0.060-inch-nominal thickness, angle-, C-, or Z-shaped steel sheet. Fabricate curb and subframing to withstand indicated loads of size and height indicated. Finish roof curbs to match metal roof panels.
1. Insulate roof curb with 1-inch-thick, rigid insulation.
- G. Panel Fasteners: Self-tapping screws designed to withstand design loads.
- H. Panel Sealants: Provide sealant type recommended by manufacturer that are compatible with panel materials, are nonstaining, and do not damage panel finish.
1. Sealant Tape: Pressure-sensitive, 100 percent solids, gray polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch wide and 1/8 inch thick.
  2. Joint Sealant: ASTM C 920; elastomeric polyurethane or silicone sealant; of type, grade, class, and use classifications required to seal joints in metal panels and remain weathertight; and as recommended in writing by metal panel manufacturer.
  3. Butyl-Rubber-Based, Solvent-Release Sealant: ASTM C 1311.
  4. Any joint sealant to be used inside the vapor barrier shall have a VOC content of 250 g/L or less.

## 2.6 FABRICATION

- A. General: Fabricate and finish metal panels and accessories at the factory, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.
- B. On-Site Fabrication: Subject to compliance with requirements of this Section, metal panels may be fabricated on-site using UL-certified, portable roll-forming equipment if panels are of same profile and warranted by manufacturer to be equal to factory-formed panels. Fabricate according to equipment manufacturer's written instructions and to comply with details shown.
- C. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- D. Fabricate metal panel joints with factory-installed captive gaskets or separator strips that provide a weathertight seal and prevent metal-to-metal contact, and that minimize noise from movements.
- E. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
  - 1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.
  - 2. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
  - 3. Seams for Other Than Aluminum: Fabricate nonmoving seams in accessories with flat-lock seams. Tin edges to be seamed, form seams, and solder.
  - 4. Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
  - 5. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
  - 6. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
    - a. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal panel manufacturer for application, but not less than thickness of metal being secured.

## 2.7 FINISHES

- A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations

in same piece are unacceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

C. Steel Panels and Accessories:

1. 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.
2. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored acrylic or polyester backer finish consisting of prime coat and wash coat with a minimum total dry film thickness of 0.5 mil.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, metal panel supports, and other conditions affecting performance of the Work.
  1. Examine primary and secondary roof framing to verify that rafters, purlins, angles, channels, and other structural panel support members and anchorages have been installed within alignment tolerances required by metal roof panel manufacturer.
  2. Examine solid roof sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by metal roof panel manufacturer.
    - a. Verify that air- or water-resistive barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Examine roughing-in for components and systems penetrating metal panels to verify actual locations of penetrations relative to seam locations of metal panels before installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Miscellaneous Supports: Install subframing, furring, and other miscellaneous panel support members and anchorages according to ASTM C 754 and metal panel manufacturer's written recommendations.

### 3.3 UNDERLAYMENT INSTALLATION

- A. Self-Adhering Sheet Underlayment: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Apply at locations indicated below, wrinkle free, in shingle fashion to shed water, and with end laps of not less than 6 inches staggered 24 inches between courses. Overlap side edges not less than 3-1/2 inches. Roll laps with roller. Cover underlayment within 14 days.
1. Apply over the roof area indicated below:
    - a. Roof perimeter for a distance up from eaves of 24 inches beyond interior wall line.
    - b. Valleys, from lowest point to highest point, for a distance on each side of 18 inches. Overlap ends of sheets not less than 6 inches.
    - c. Rake edges for a distance of 18 inches.
    - d. Hips and ridges for a distance on each side of 12 inches.
    - e. Roof-to-wall intersections for a distance from wall of 18 inches.
    - f. Around dormers, chimneys, skylights, and other penetrating elements for a distance from element of 18 inches.
- B. Felt Underlayment: Apply at locations indicated below, in shingle fashion to shed water, and with lapped joints of not less than 2 inches.
1. Apply over the entire roof surface.
  2. Apply on roof not covered by self-adhering sheet underlayment. Lap over edges of self-adhering sheet underlayment not less than 3 inches, in shingle fashion to shed water.
- C. Slip Sheet: Apply slip sheet over underlayment before installing metal roof panels.
- D. Flashings: Install flashings to cover underlayment to comply with requirements specified in Section 07 6200 "Sheet Metal Flashing and Trim."

### 3.4 METAL PANEL INSTALLATION

- A. General: Install metal panels according to manufacturer's written instructions in orientation, sizes, and locations indicated. Install panels perpendicular to supports unless otherwise indicated. Anchor metal panels and other components of the Work securely in place, with provisions for thermal and structural movement.
1. Shim or otherwise plumb substrates receiving metal panels.
  2. Flash and seal metal panels at perimeter of all openings. Fasten with self-tapping screws. Do not begin installation until air- or water-resistive barriers and flashings that will be concealed by metal panels are installed.
  3. Install screw fasteners in predrilled holes.
  4. Locate and space fastenings in uniform vertical and horizontal alignment.
  5. Install flashing and trim as metal panel work proceeds.
  6. Locate panel splices over, but not attached to, structural supports. Stagger panel splices and end laps to avoid a four-panel lap splice condition.
  7. Align bottoms of metal panels and fasten with blind rivets, bolts, or self-tapping screws. Fasten flashings and trim around openings and similar elements with self-tapping screws.

8. Provide weathertight escutcheons for pipe- and conduit-penetrating panels.
- B. Fasteners:
1. Steel Panels: Use stainless-steel fasteners for surfaces exposed to the exterior; use galvanized-steel fasteners for surfaces exposed to the interior.
- C. Anchor Clips: Anchor metal roof panels and other components of the Work securely in place, using manufacturer's approved fasteners according to manufacturers' written instructions.
- D. Metal Protection: Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action as recommended in writing by metal panel manufacturer.
- E. Standing-Seam Metal Roof Panel Installation: Fasten metal roof panels to supports with concealed clips at each standing-seam joint at location, spacing, and with fasteners recommended in writing by manufacturer.
1. Install clips to supports with self-tapping fasteners.
  2. Install pressure plates at locations indicated in manufacturer's written installation instructions.
  3. Snap Joint: Nest standing seams and fasten together by interlocking and completely engaging factory-applied sealant.
  4. Seamed Joint: Crimp standing seams with manufacturer-approved, motorized seamer tool so clip, metal roof panel, and factory-applied sealant are completely engaged.
  5. Watertight Installation:
    - a. Apply a continuous ribbon of sealant or tape to seal joints of metal panels, using sealant or tape as recommend in writing by manufacturer as needed to make panels watertight.
    - b. Provide sealant or tape between panels and protruding equipment, vents, and accessories.
    - c. At panel splices, nest panels with minimum 6-inch end lap, sealed with sealant and fastened together by interlocking clamping plates.
- F. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
1. Install components required for a complete metal panel system including trim, copings, corners, seam covers, flashings, sealants, gaskets, fillers, closure strips, and similar items. Provide types indicated by metal roof panel manufacturers; or, if not indicated, types recommended by metal roof panel manufacturer.
- G. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently watertight and weather resistant.
1. Install exposed flashing and trim that is without buckling and tool marks, and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet

- metal flashing and trim to fit substrates and achieve waterproof and weather-resistant performance.
2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of 10 feet with no joints allowed within 24 inches of corner or intersection. Where lapped expansion provisions cannot be used or would not be sufficiently weather resistant and waterproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with mastic sealant (concealed within joints).
- H. Gutters: Join sections with riveted and soldered or lapped and sealed joints. Attach gutters to eave with gutter hangers spaced not more than 36 inches o.c. using manufacturer's standard fasteners. Provide end closures and seal watertight with sealant. Provide for thermal expansion.
- I. Downspouts: Join sections with telescoping joints. Provide fasteners designed to hold downspouts securely 1 inch away from walls; locate fasteners at top and bottom and at approximately 60 inches o.c. in between.
1. Provide elbows at base of downspouts to direct water away from building.
  2. Connect downspouts to underground drainage system indicated.
- J. Roof Curbs: Install flashing around bases where they meet metal roof panels.
- K. Pipe Flashing: Form flashing around pipe penetration and metal roof panels. Fasten and seal to metal roof panels as recommended by manufacturer.

### 3.5 ERECTION TOLERANCES

- A. Installation Tolerances: Shim and align metal panel units within installed tolerance of 1/4 inch in 20 feet on slope and location lines as indicated and within 1/8-inch offset of adjoining faces and of alignment of matching profiles.

### 3.6 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect metal roof panel installation, including accessories. Report results in writing.
- B. Remove and replace applications of metal roof panels where tests and inspections indicate that they do not comply with specified requirements.
- C. Additional tests and inspections, at Contractor's expense, are performed to determine compliance of replaced or additional work with specified requirements.
- D. Prepare test and inspection reports.

3.7 CLEANING AND PROTECTION

- A. Remove temporary protective coverings and strippable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction.
- B. Replace metal panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 07 4113.16

**TOPOGRAPHIC SURVEY**

1. FIELD SURVEY PERFORMED ON MAY 2015
2. HORIZONTAL DATUM:  
NEW MEXICO STATE PLANE CENTRAL ZONE.  
NAD 83  
CGGF = 1.0003350235  
SCALED TO GROUND AROUND (0,0)
3. VERTICAL DATUM:  
NAVD 88

**LEGAL DESCRIPTION:**

TRACT A  
LANDS OF NEW MEXICO SCHOOL FOR THE  
DEAF  
FILED: DECEMBER 28, 1994  
BOOK: 94C, PAGE 433

**PRIMARY BENCHMARK:**

CONTROL STATION "NGS, LSS 103" DATA:  
THE STATION IS LOCATED IN THE  
NORTHWEST PART OF ALBUQUERQUE,  
ABOUT 8 MILES (12.9 KM) NORTHWEST  
OF THE INTERSECTION OF INTERSTATE  
HIGHWAYS 25  
AND 40.  
THE STATION IS A 3-3/4 INCH  
DIAMETER ALUMINUM DISK, STAMPED "NGS,  
LSS 103, 1993", SET IN A BRIDGE  
ABUTMENT AT ROAD LEVEL AND FLUSH  
WITH THE CONCRETE. LOCATED 50.2 FT.  
WEST OF THE CENTERLINE OF UNSER  
BLVD, 49.9 FT. SOUTH OF THE  
CENTERLINE OF THE BRIDGE OVER THE  
ARROYO DE LAS CALIBACILLAS, 2.00 FT  
EAST OF THE EAST FACE OF THE WEST  
CONCRETE TRAFFIC BARRIER AND 0.49 FT.  
NORTH OF THE SOUTH END OF THE  
SOUTH BRIDGE ABUTMENT.

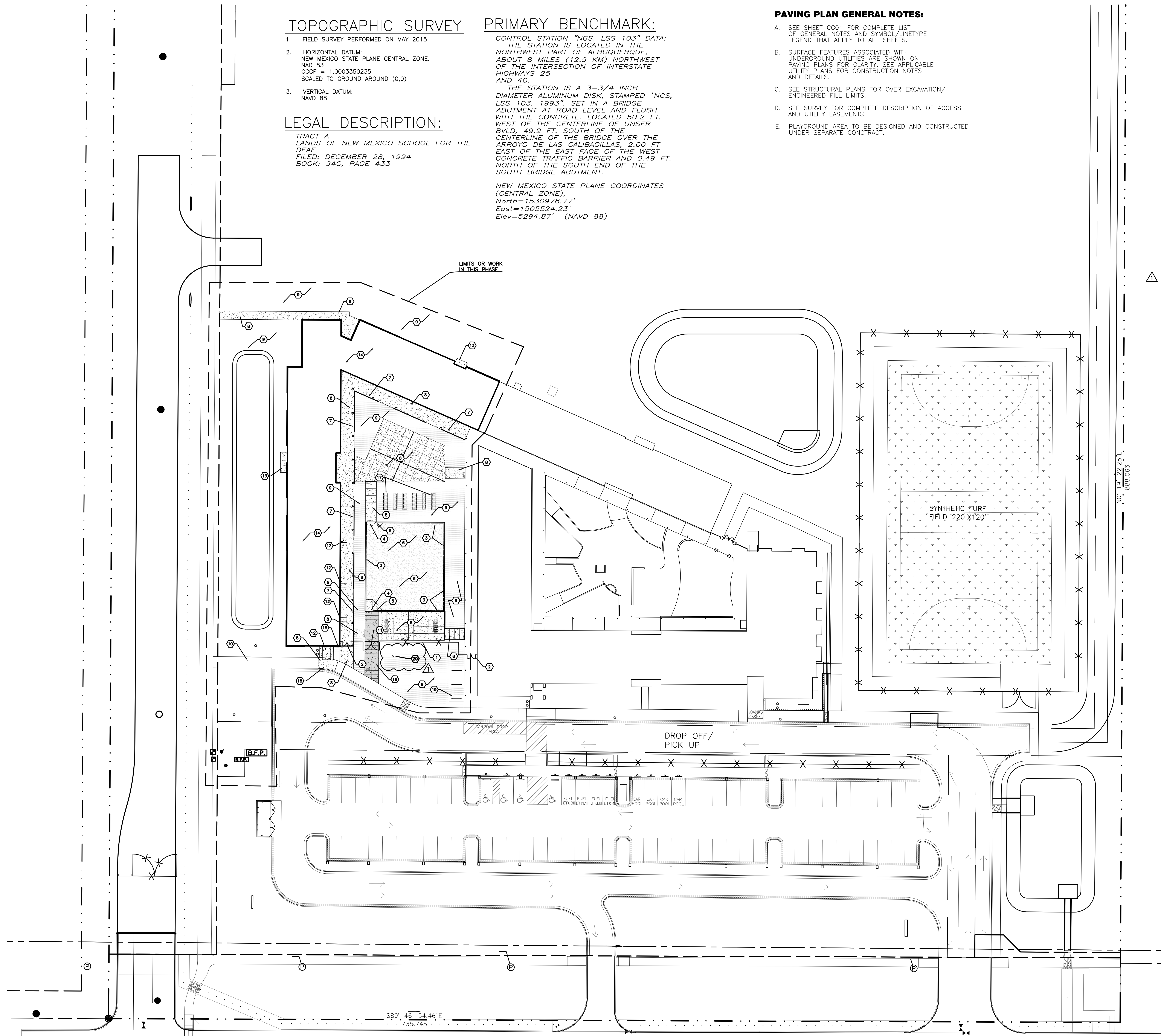
NEW MEXICO STATE PLANE COORDINATES  
(CENTRAL ZONE),  
North=1530978.77'  
East=1505524.23'  
Elev=5294.87' (NAVD 88)

**PAVING PLAN GENERAL NOTES:**

- SEE SHEET CG01 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINE/TYPE LEGEND THAT APPLY TO ALL SHEETS.
- SURFACE FEATURES ASSOCIATED WITH UNDERGROUND UTILITIES ARE SHOWN ON PAVING PLANS FOR CLARITY. SEE APPLICABLE UTILITY PLANS FOR CONSTRUCTION NOTES AND DETAILS.
- SEE STRUCTURAL PLANS FOR OVER EXCAVATION/ ENGINEERED FILL LIMITS.
- SEE SURVEY FOR COMPLETE DESCRIPTION OF ACCESS AND UTILITY EASEMENTS.
- PLAYGROUND AREA TO BE DESIGNED AND CONSTRUCTED UNDER SEPARATE CONTRACT.

**PAVING PLAN KEYED NOTES:**

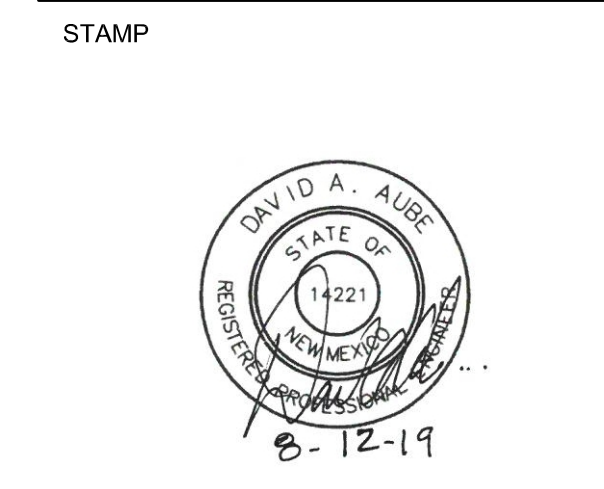
1. WROUGHT IRON FENCE PER DETAIL E3/C501.
2. PAIR OF 3' WIDE PERSONNEL WROUGHT IRON GATES PER DETAIL C4/C501.
3. PLAYGROUND CONTAINMENT CURB PER APS STANDARD DRAWINGS.
4. LEAVE 6'-8" WIDE OPENING IN CURB FOR FUTURE ACCESS RAMP TO BE INSTALLED BY PLAYGROUND INSTALLER.
5. TAPER CONTAINMENT CURB DOWN 6" OVER 2' LENGTH SO TOP OF CURB MEETS SIDEWALK AT ACCESS RAMP.
6. PLAYGROUND AREA, PLAN SHOWN IS CONCEPTUAL ONLY, SEE GENERAL NOTE E. CONTRACTOR TO COORDINATE FINAL LAYOUT WITH LANDSCAPING CONTRACTOR AND PLAY GROUND INSTALLER.
7. SIDEWALK EDGE CURB PER DETAILB4/C501 AND DETAIL A5/C501.
8. CONCRETE SIDEWALK PER DETAIL A5/C501.
9. LANDSCAPING AREA. SEE LANDSCAPING PLANS. LEAVE GRADES DOWN 4" FROM FINISHED GRADES SHOWN ON GRADING PLANS.
10. 8' WIDE ASPHALT MULTI USE TRAIL. 3" THICK SP-III OVER 4" AGGREGATE BASE COURSE OVER PREPARED SUBGRADE.
11. PAIR 6' WIDE WROUGHT IRON GATES TO MATCH FENCE PER DETAIL C3/C501.
12. RECESS IN SIDEWALK FOR WALK OFF MATT. SEE ARCHITECTURAL FOR DETAILS.
13. CONCRETE STOOP. PER DETAIL A2/C501.
14. PROPOSED BUILDING. SEE ARCHITECTURAL PLANS.
15. KNOW BOX, TO MATCH OTHER BOXES ON SITE.
16. 7" THICK CONCRETE PAVEMENT PER DETAIL A4/C501.
17. FUTURE PLANTER BOXES (NOT IN CONTRACT).
18. REMOVE AND REPLACE SIDEWALK TO ALLOW FOR NEW SIDEWALK WITH WALK OFF MATT.
19. BIKE RACK AND CONCRETE PAD TO MATCH EXISTING.
20. 40' FLAG POLE PER DETAIL B2/C501.



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PROJECT NAME

**COYOTE WILLOW  
FAMILY SCHOOL - PHASE 2**  
7125 IRVING BOULEVARD NW  
ALBUQUERQUE, NEW MEXICO 87114

NO.	DATE	DESCRIPTION
1	8.30.19	ADDENDUM 002

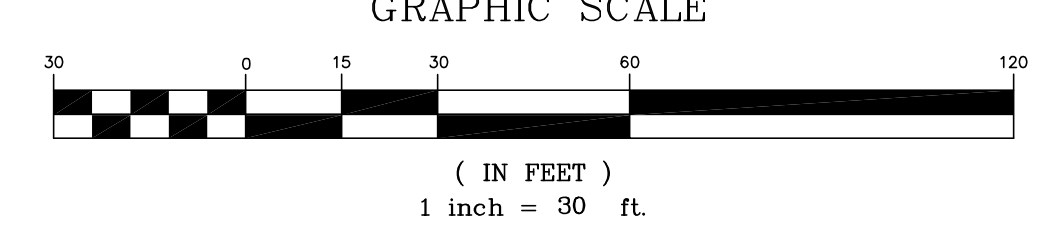
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DESIGNER: DAA  
CHECKED: DAA  
DATE: 08.16.2019  
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CAD FILE: 3042\_C101

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**SITE  
PAVING  
PLAN**

SHEET NUMBER:

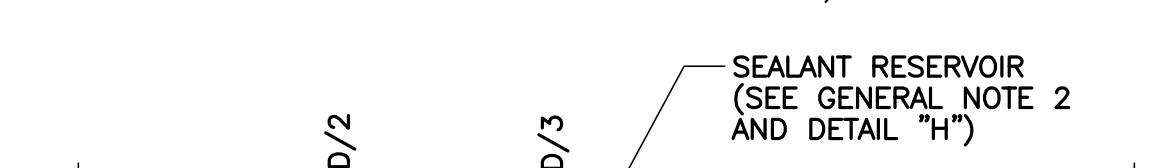
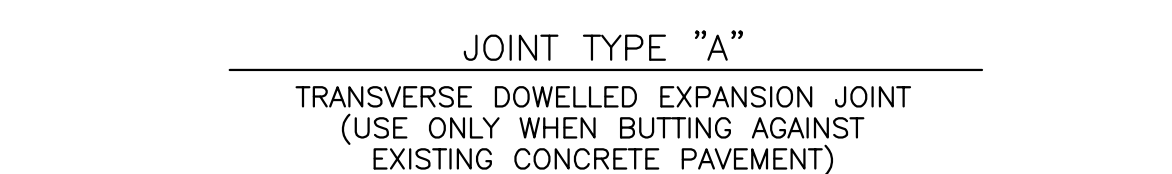
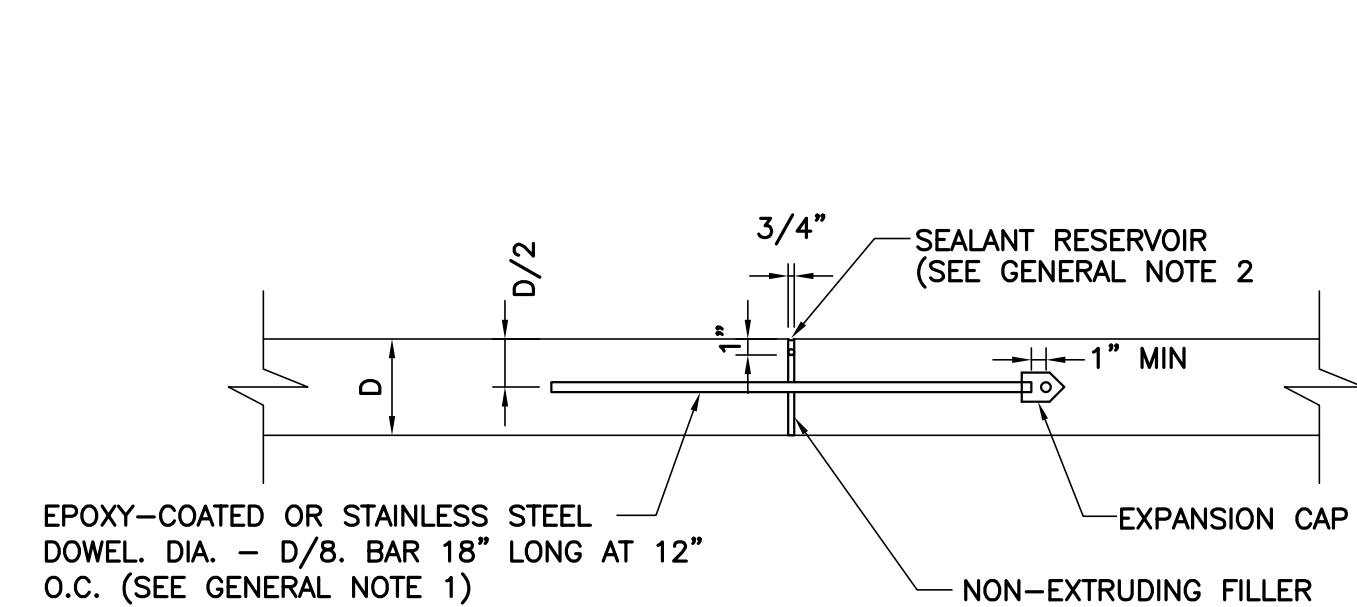
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**A1 SITE PAVING PLAN**  
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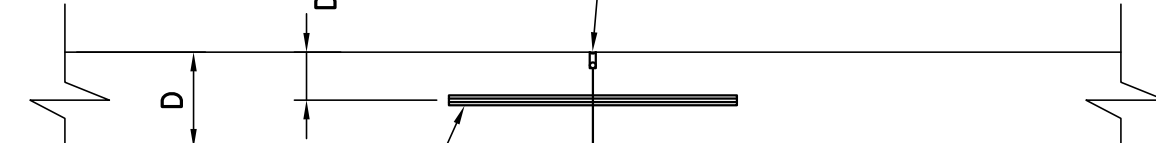
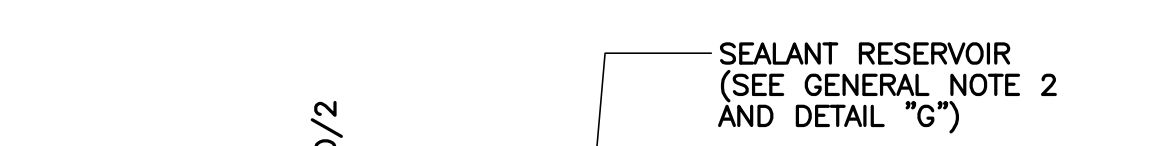
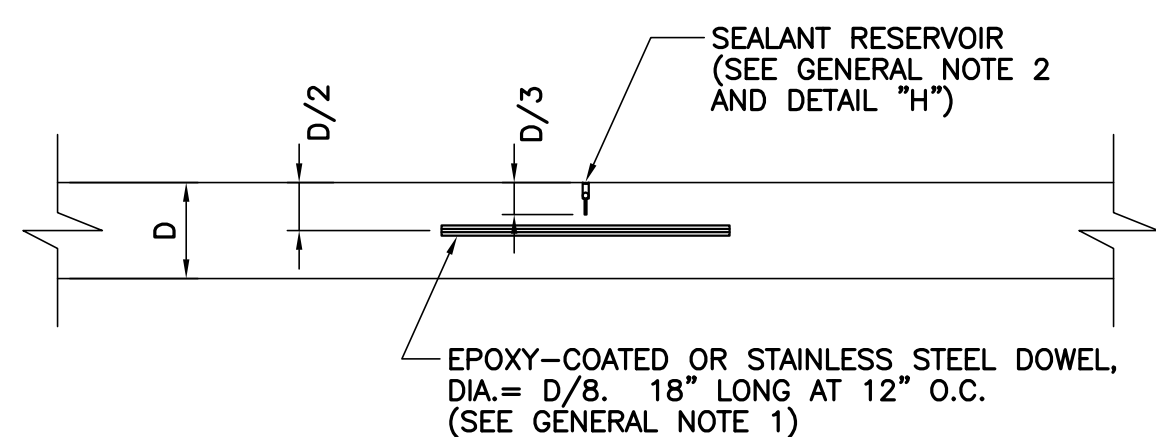


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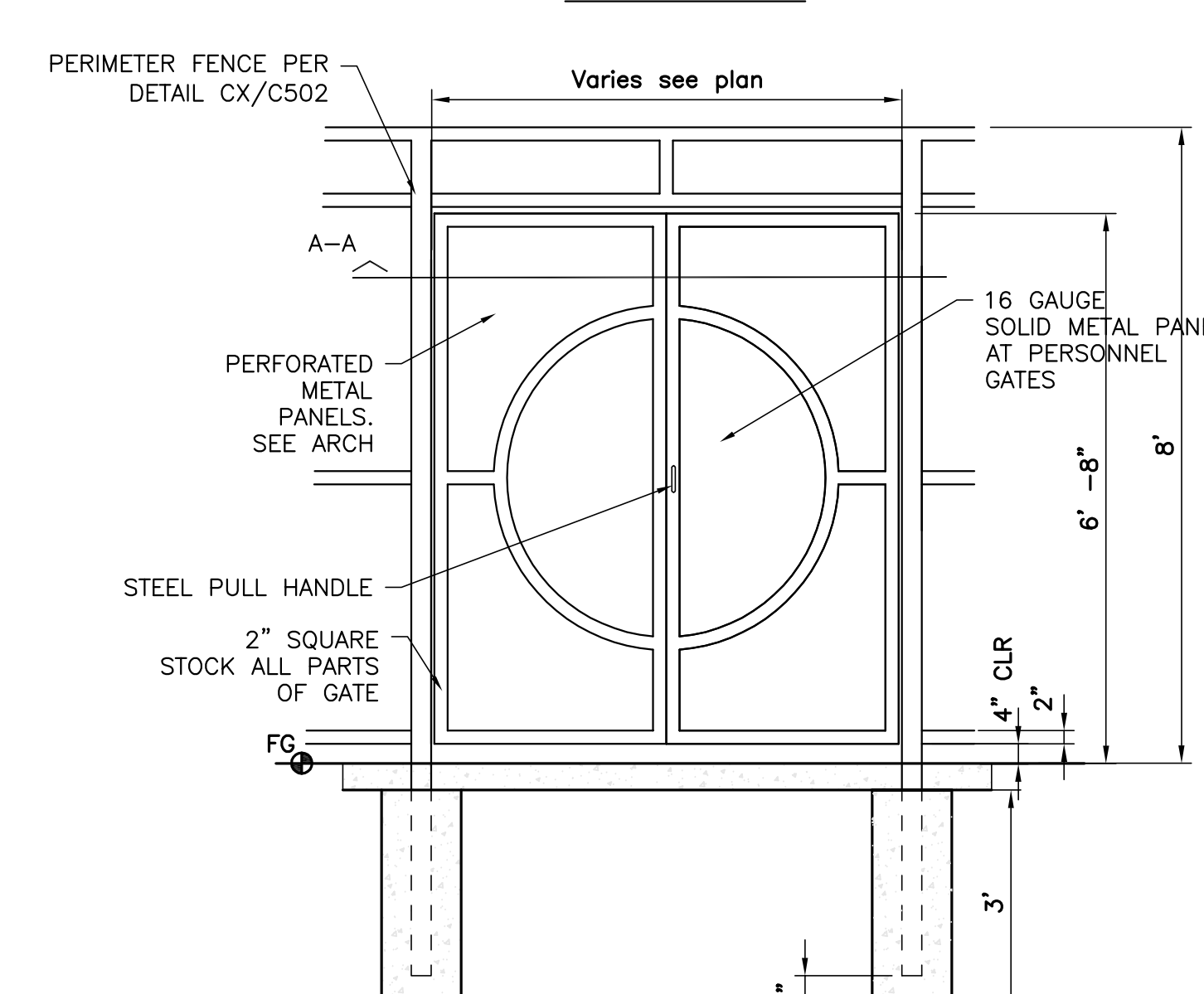
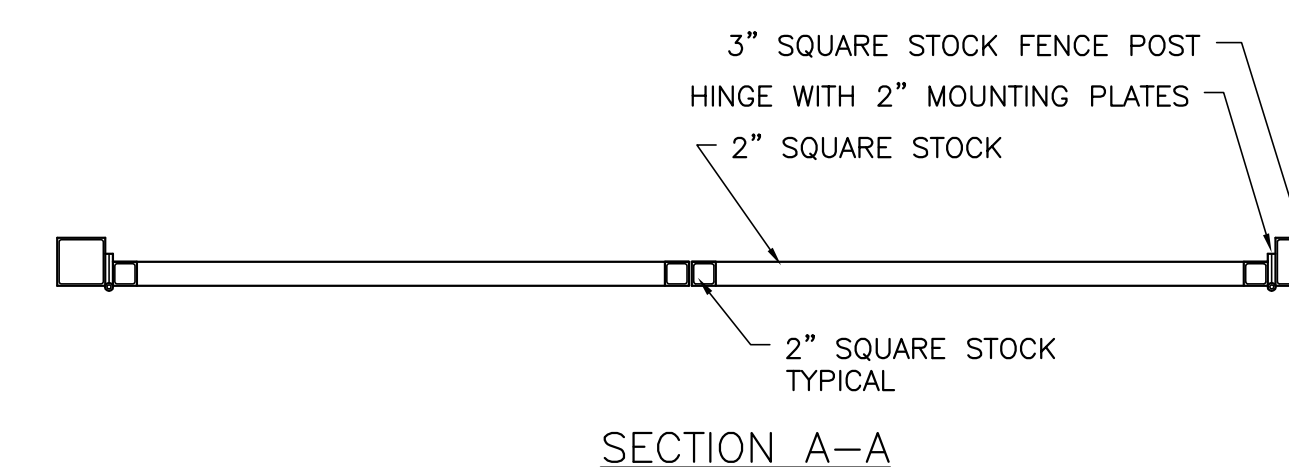
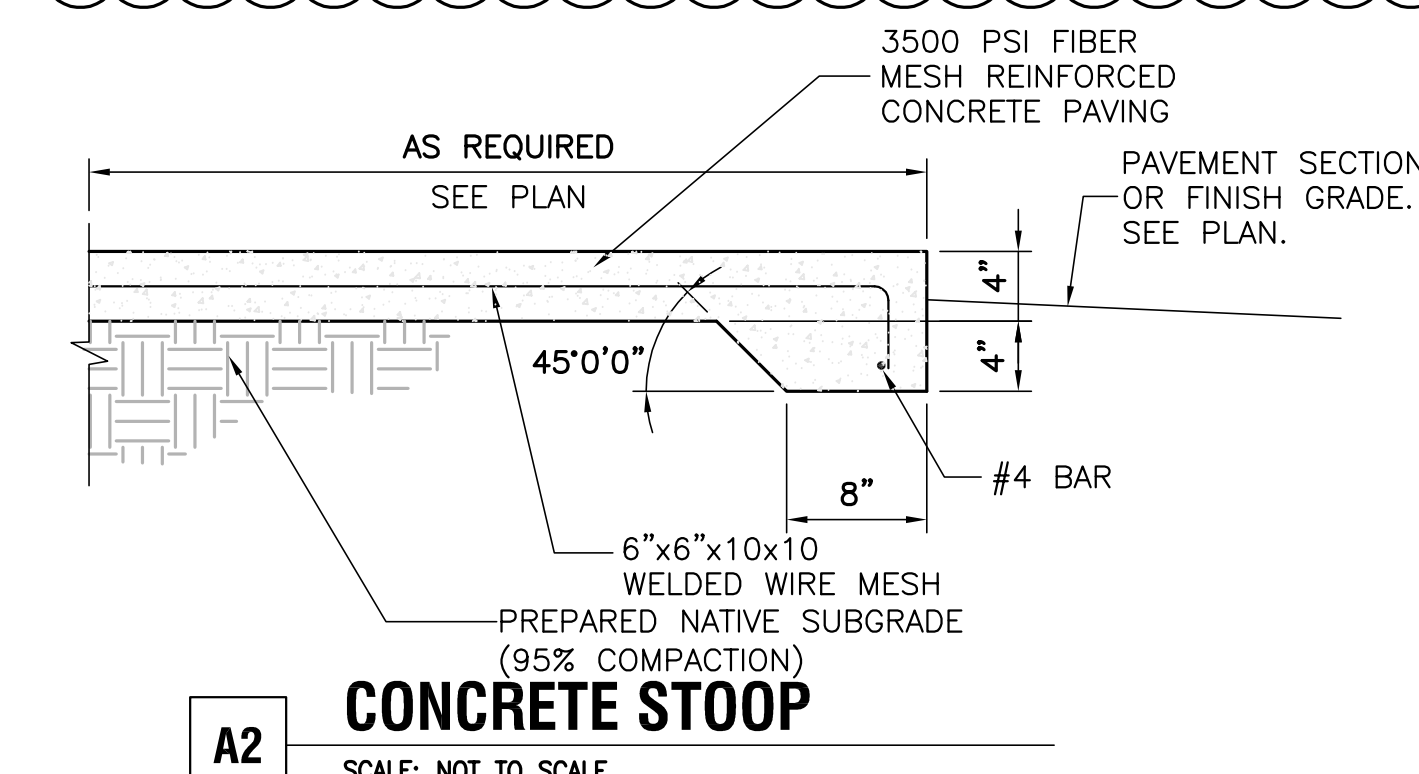
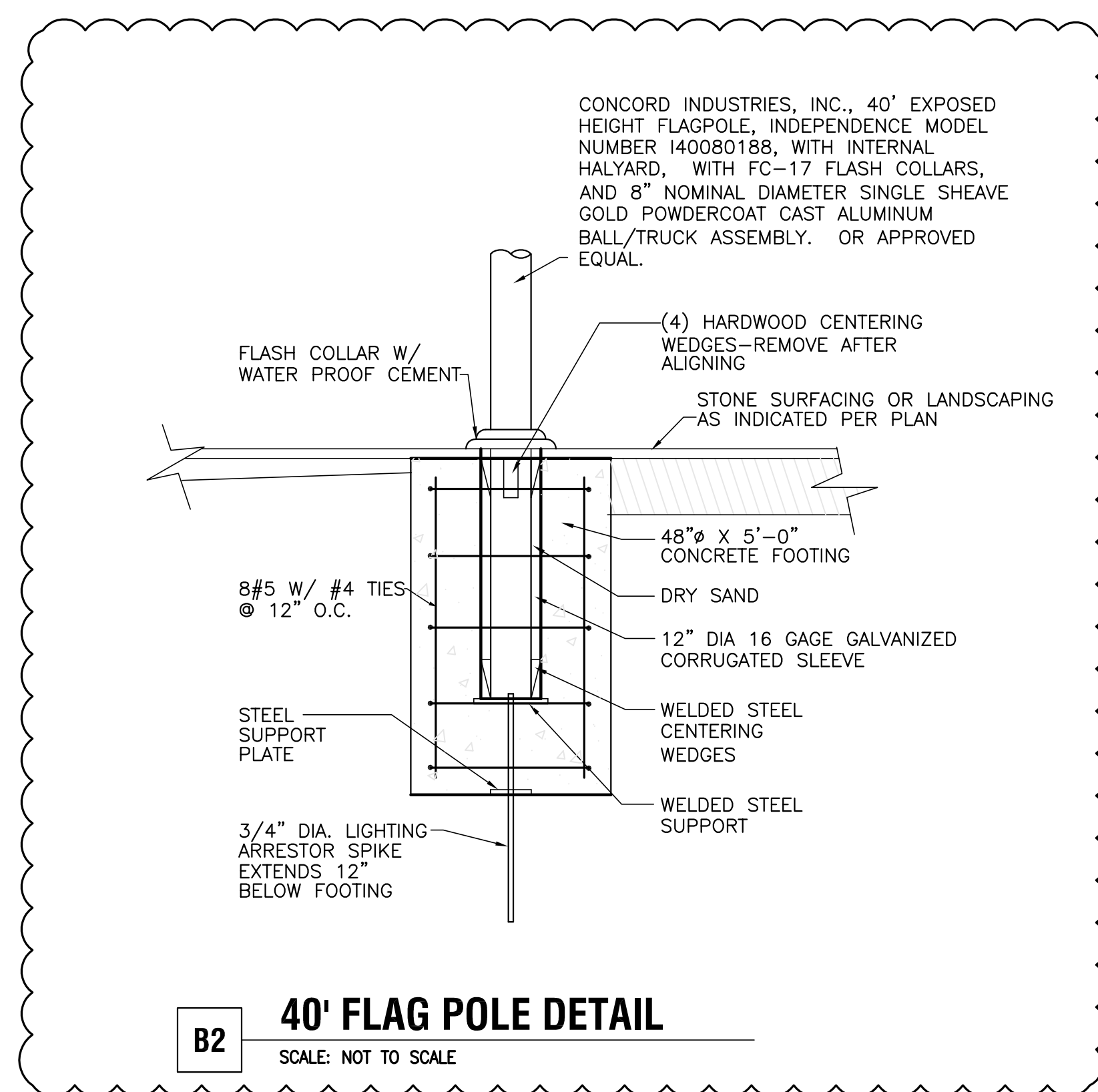
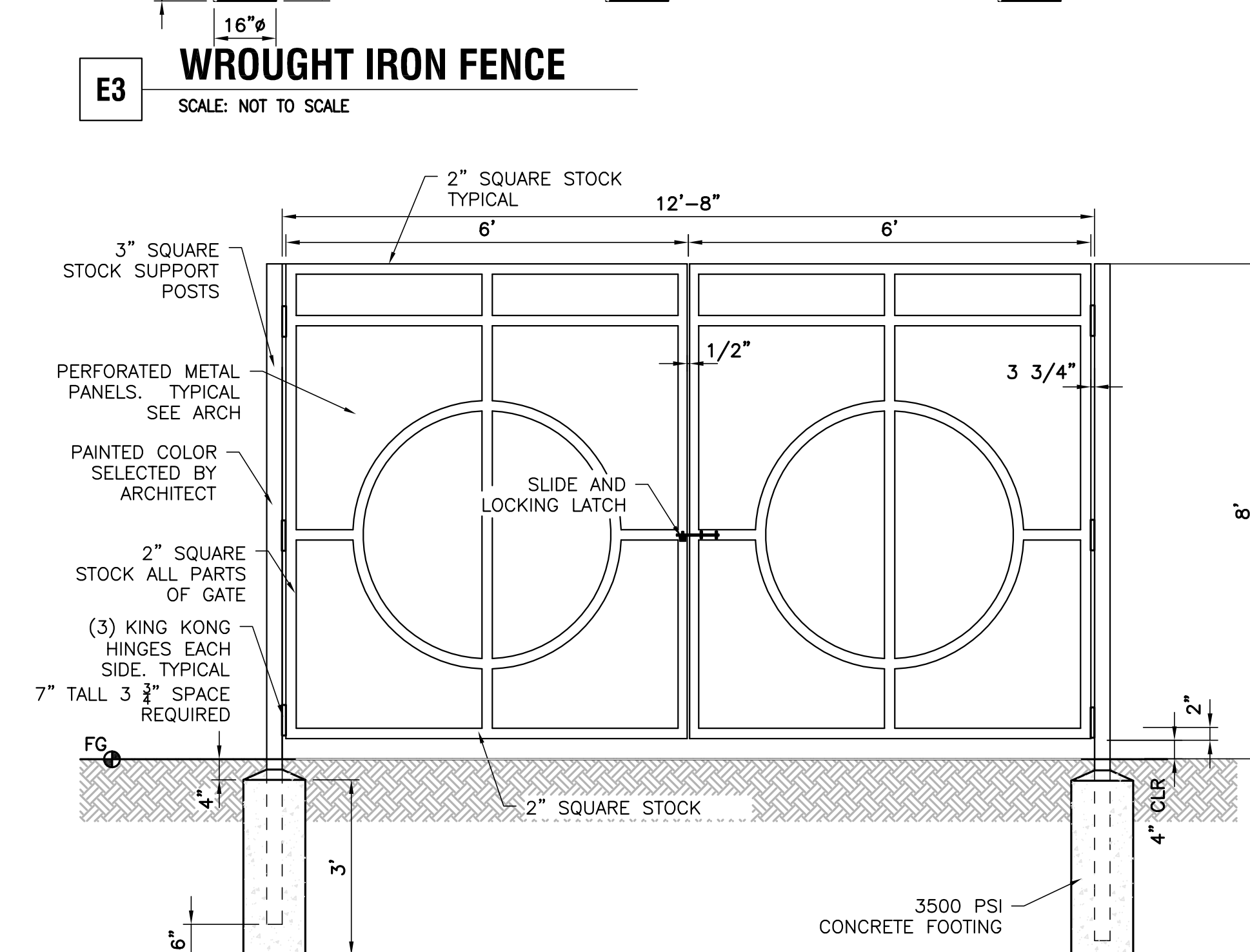
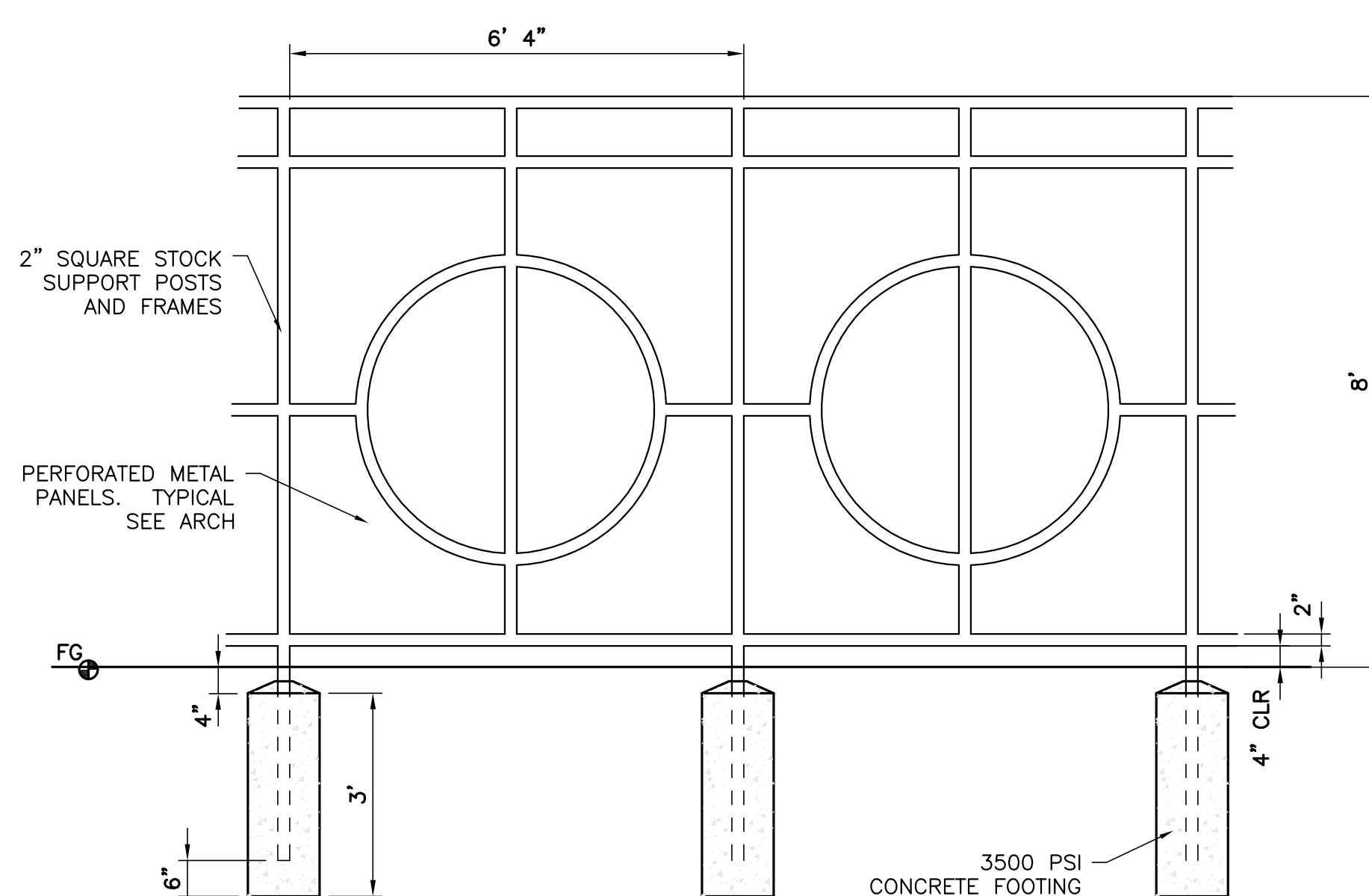


**D1 EXPANSION JOINT**  
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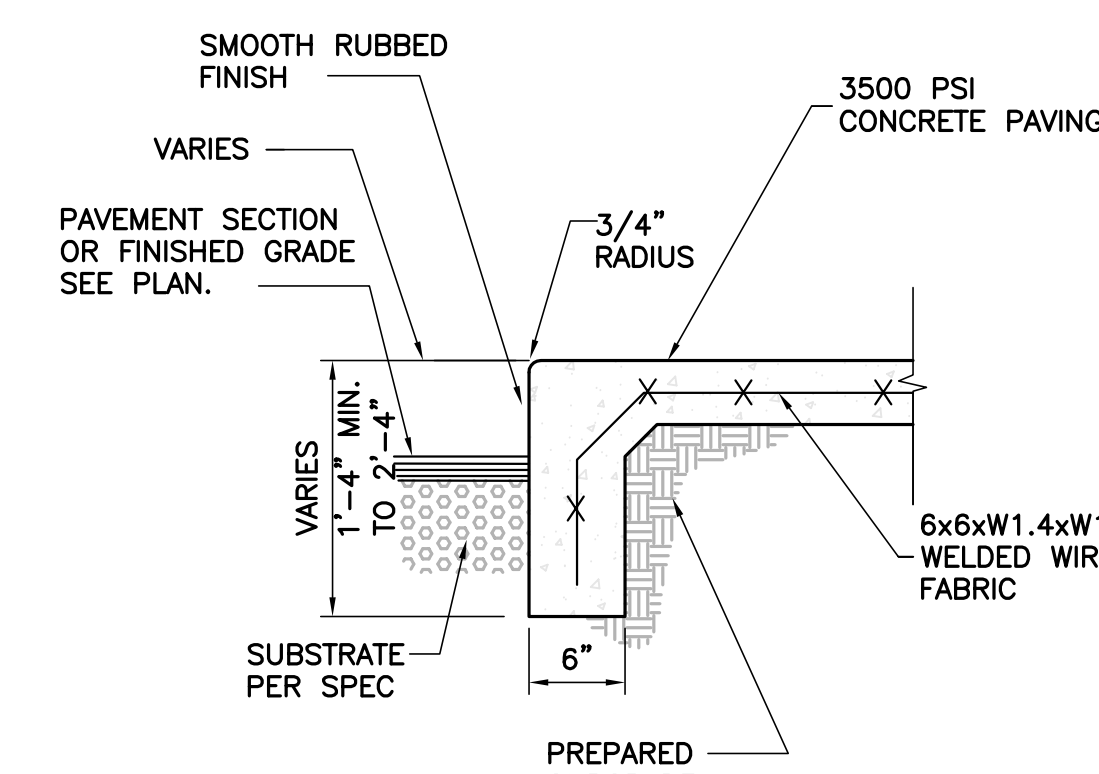


**A1 CONSTRUCTION JOINT**  
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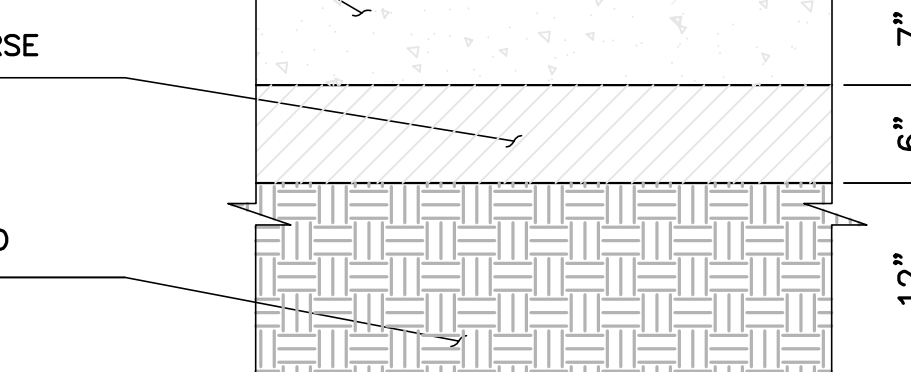
- Minimum dowel diameter shall be d/8 inch, where d is the thickness of the concrete pavement. The diameter should not be less than No. 10.
- Sealant reservoir, joint shape factor, backer rod and non-extruding filler if required shall be recommended by the manufacturer of the joint filler used. When using silicone sealants, a minimum shape factor (ratio of sealant depth to width of 1:2 is recommended. The maximum shape factor shall not exceed 1:1. The minimum width of sealant shall be 3/8 inch. The surface of the sealant shall be recessed 1/4 to 3/8 inch below the pavement surface. Backer rod shall be a closed-cell polyurethane foam rod having a diameter approximately 25% greater than the width of the joint. The non-extruding filler material is usually a non-absorbent, non-reactive, non-extruding material. Typically made from either a closed-cell foam or a bitumen-treated fiber board.



- NOTES:
- INSTALL EXIT DEVICE ON 4' TALL 3"x3" SQUARE STOCK (FOUNDATION AND APPEARANCE TO MATCH FENCE) PLACED 5' FROM FENCE ON THE INSIDE OF PROPERTY. GATES TO HAVE PANIC HARDWARE. SEE DOOR SCHEDULE.

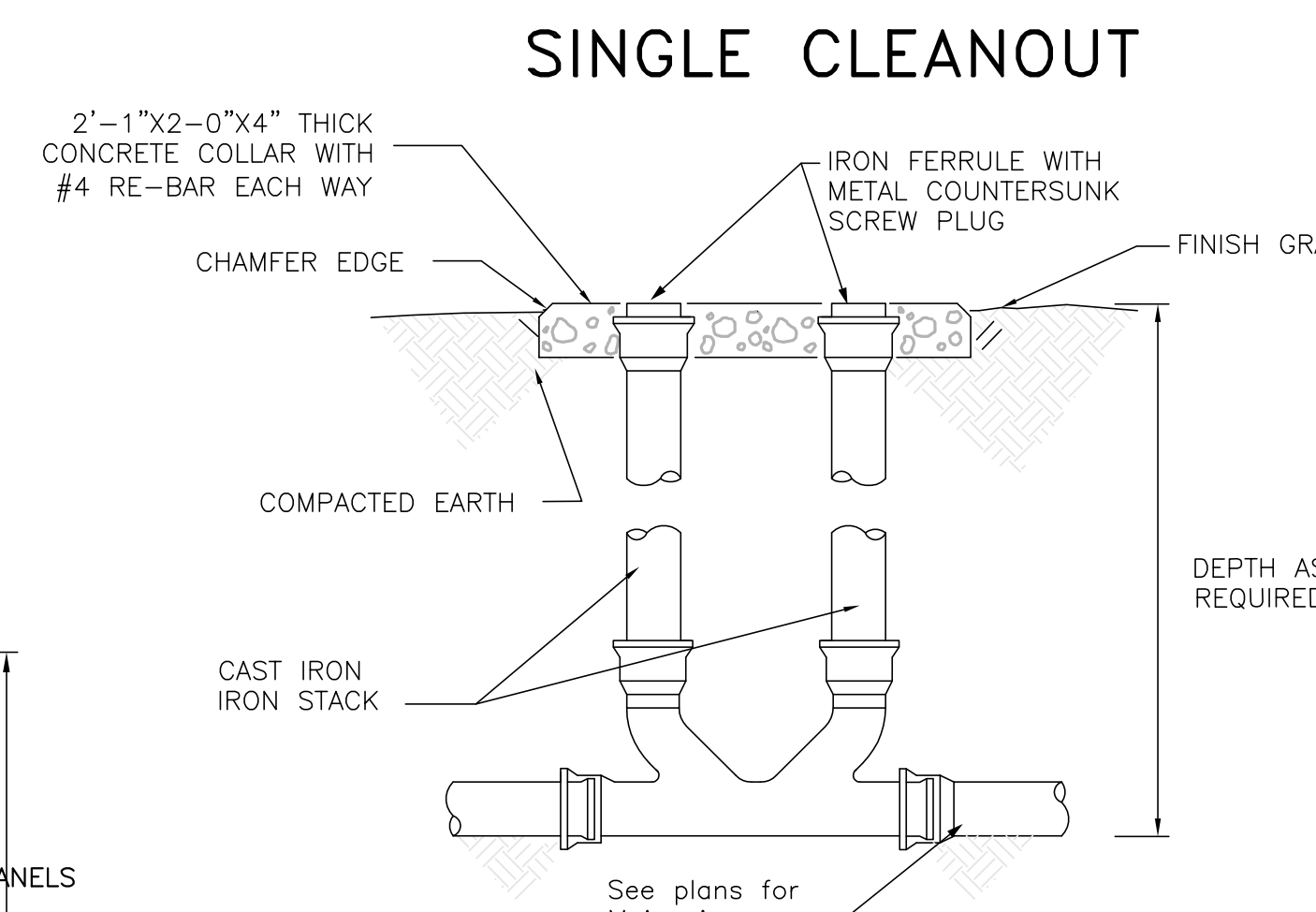
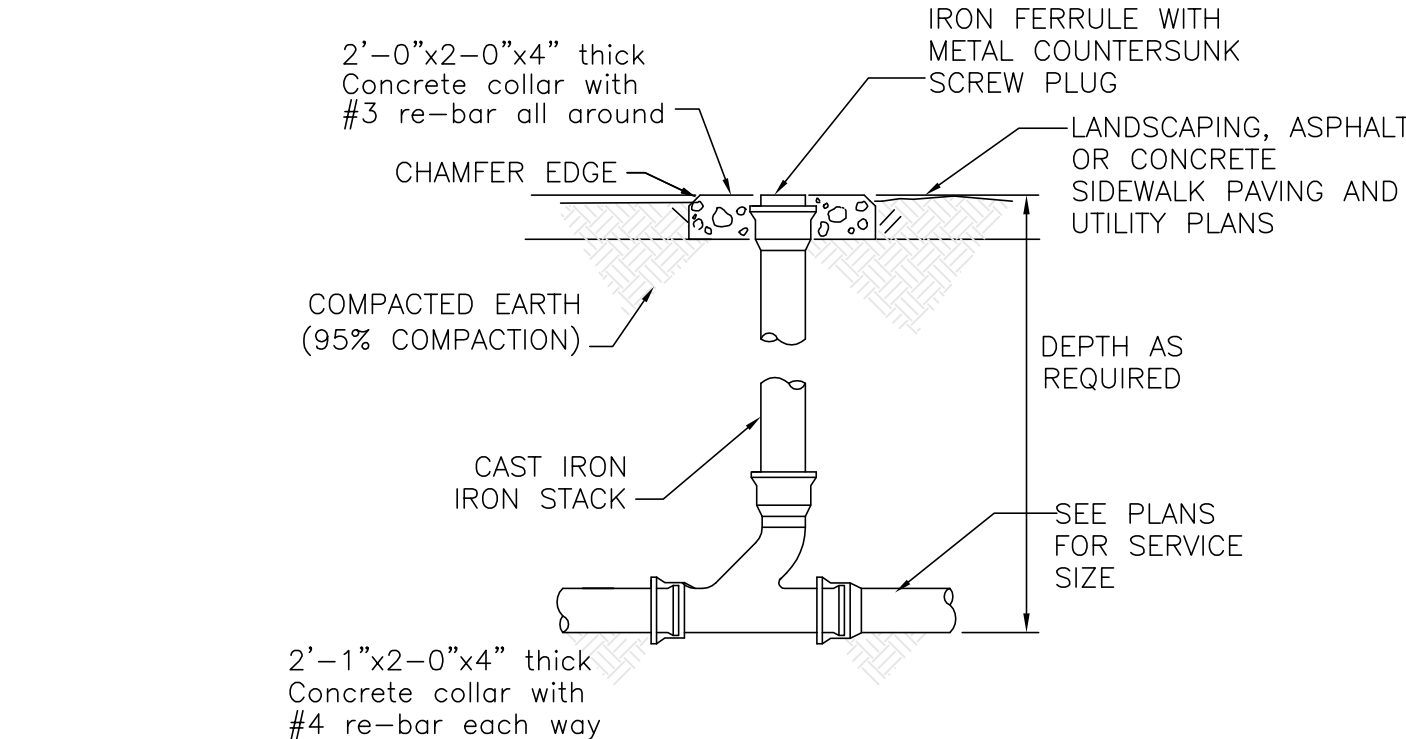


7" 3500 PSI CONCRETE MEDIUM BROOM FINISH

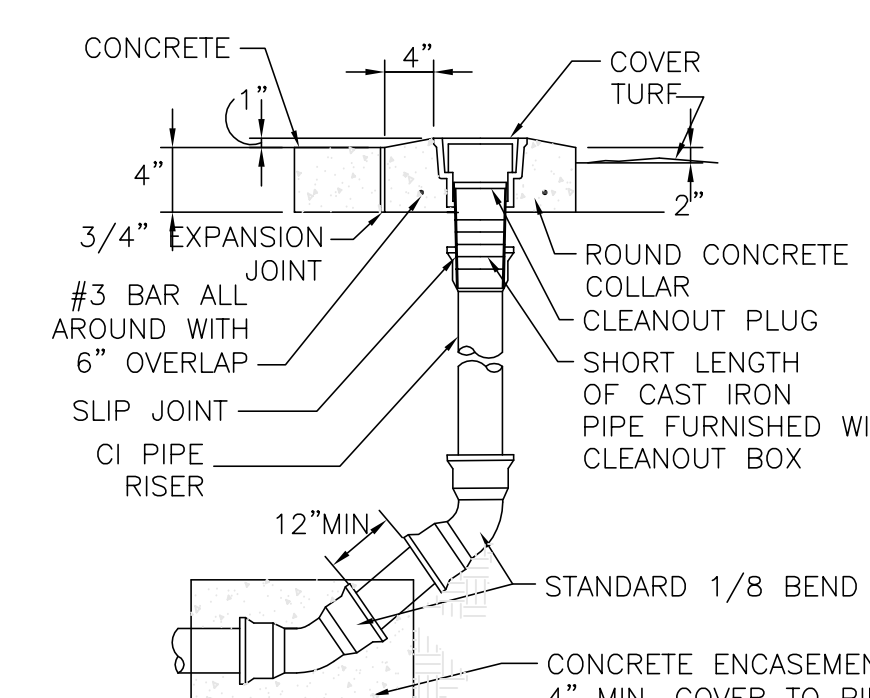


**A4 CONCRETE PAVEMENT**  
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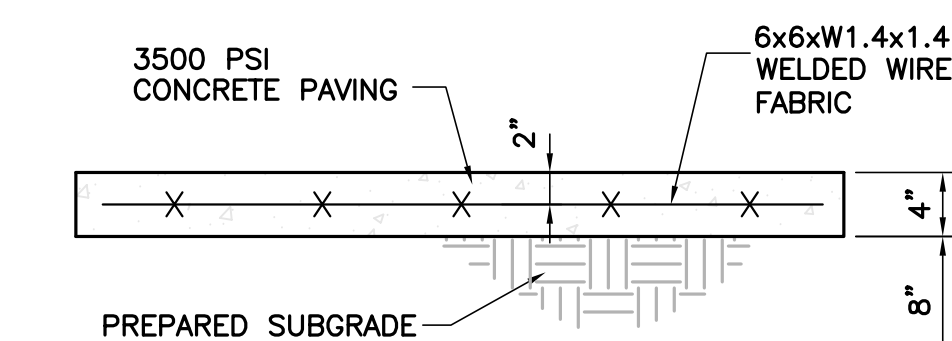
Note: Construct construction and expansion joints per detail A1/C501 and D1/C501.



**E6 SANITARY SEWER CLEANOUTS**  
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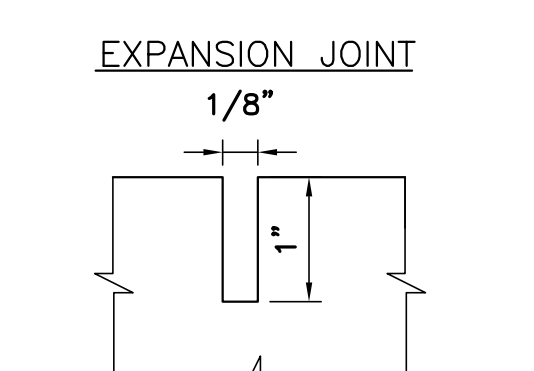
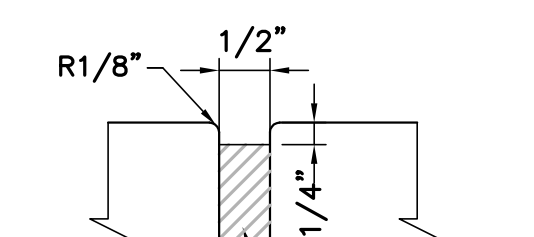


**C6 SAS TERMINAL CLEANOUT**  
 SCALE: NOT TO SCALE



NOTE: Provide transverse contraction joints at intervals not exceeding 6'-0" on center. Provide centerline contraction joints in sidewalks wider than 8'-0". Spacing of centerline contraction joints shall not exceed 6'-0".

Provide expansion joints at intervals not exceeding 30'-0" on center.



**A5 TYP SIDEWALK JOINT DETAILS**  
 SCALE: NOT TO SCALE

NO.	DATE	DESCRIPTION
1	8.30.19	ADDENDUM 002

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DESIGNER: DAA  
 CHECKED: DAA  
 DATE: 08.16.2019  
 SCALE: VARIES  
 JOB NO.: 3050  
 CAD FILE: 3042-C501

SHEET TITLE:

CIVIL DETAILS

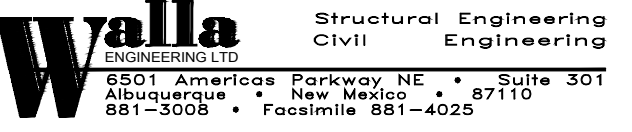
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1	8/29/19	ADDENDUM #2

DESIGNER: DLR  
 CHECKED: MJW  
 DATE: 08.28.2019  
 SCALE:  
 JOB NO.: 3050  
 CAD FILE:

SHEET TITLE:  
**ROOF FRAMING PLAN**

SHEET NUMBER:

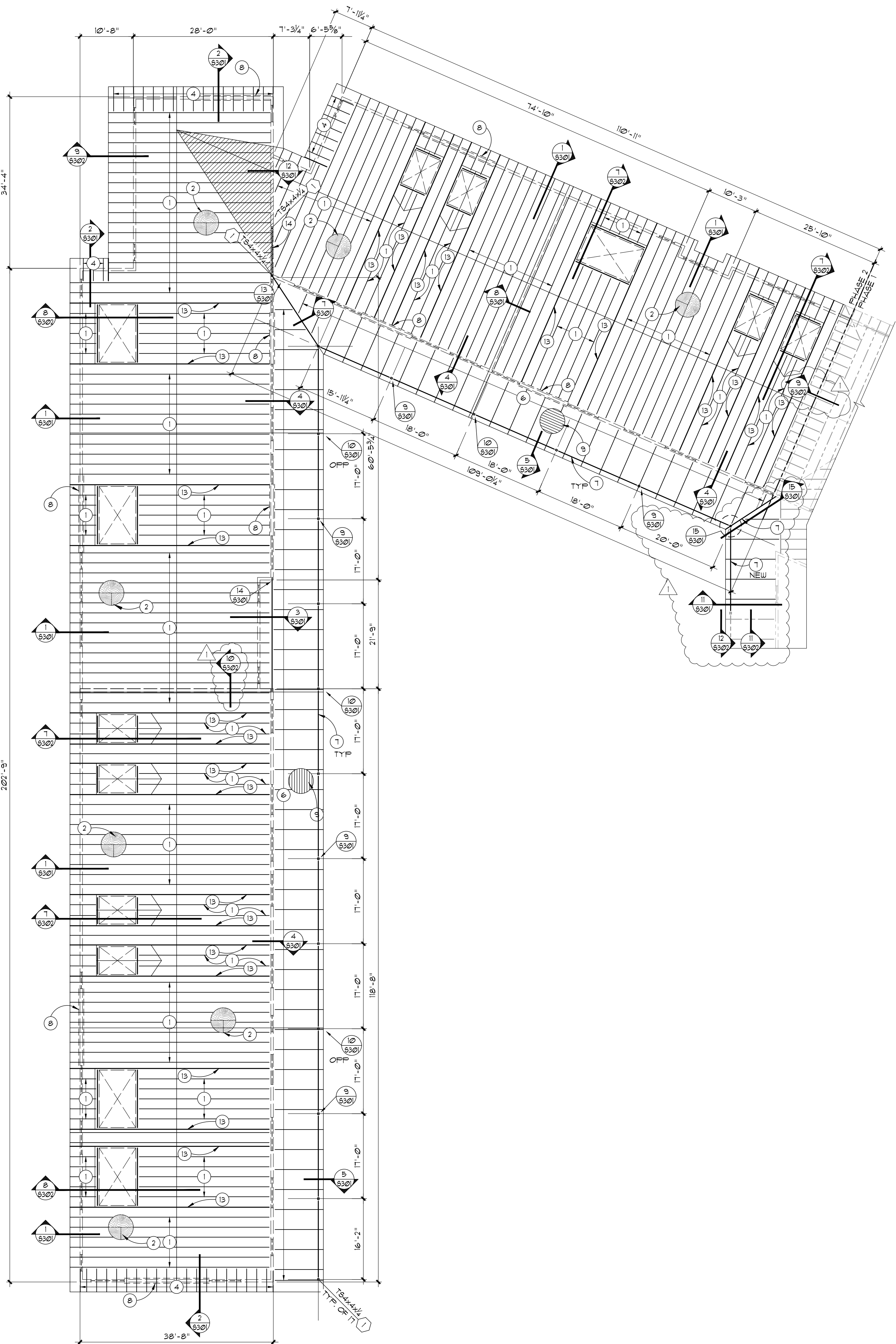
**S102**

GENERAL NOTES

- A. DIMENSIONS ARE TO FACE OF STUDS UNLESS OTHERWISE NOTED.
- B. SEE 6/9301 FOR LIGHTGAUGE LITEL SCHEDULE.
- C. SEE 13/9301 FOR BASEPLATE SCHEDULE.

KEYED NOTES

- 1 PRE-MANUFACTURED, PRE-ENGINEERED WOOD ROOF TRUSSES (SEE ARCH. FOR SLOPE) @ 24" O.C. MIN. SPAN TO TOTAL DEFLECTION RATIO OF 240.
- 2 ROOF DECK 3/4" 24/0 APA RATED SHEATHING NAIL W/ 10d NAILS @ 6" O.C. AT PANEL EDGES & 12" O.C. IN THE FIELD. PROVIDE FLY-CLIPS @ ALL UNSUPPORTED EDGES.
- 3 PRE-MANUFACTURED, PRE-ENGINEERED ROOF TRUSS GIRDERS (SEE ARCH. FOR SLOPE) @ 24" O.C. MIN. SPAN TO TOTAL DEFLECTION RATIO OF 240.
- 4 2x4 OUTRIGGER @ 24" O.C.
- 5 2x4 OVERFRAMING @ 24" O.C. POST UP AT EACH TRUSS.
- 6 4x6 WOOD JOISTS @ 4'-0" O.C.
- 7 4x12 WOOD BEAM (HEM FIR 12).
- 8 2-4"x14 GA. STRAPS IN "X" PATTERN ON EA. FACE OF WALL. SEE 1 OR 2 ON 9302.
- 9 2x6 T & G DECKING W/ (2) 16d NAILS @ EA. JOIST.
- 10 1612x6x1/2 LVL WITH 4 BEARING STUDS AND 4 FULL HEIGHT STUDS - SEE DETAIL 14/9301 FOR CONDITION & JAMBS.
- 11 SEE T & 85/9302 FOR DORMER FRAMING.
- 12 ROOF DECK AT EAVES EXPOSED TO BELOW MUST BE HIGH GRADE VISALLY GRADE PLYWOOD WITH SAME THICKNESS & ATTACHMENT AS TYPICAL ROOF SHEATHING.
- 13 MULTI-PLY GIRDER TRUSS.
- 14 (2)-16x11 1/2 LVL.



**ROOF FRAMING PLAN**

3/32" = 1'-0"



**COYOTE WILLOW  
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REVISIONS		
NO.	DATE	DESCRIPTION
1	8/29/19	ADDENDUM #2

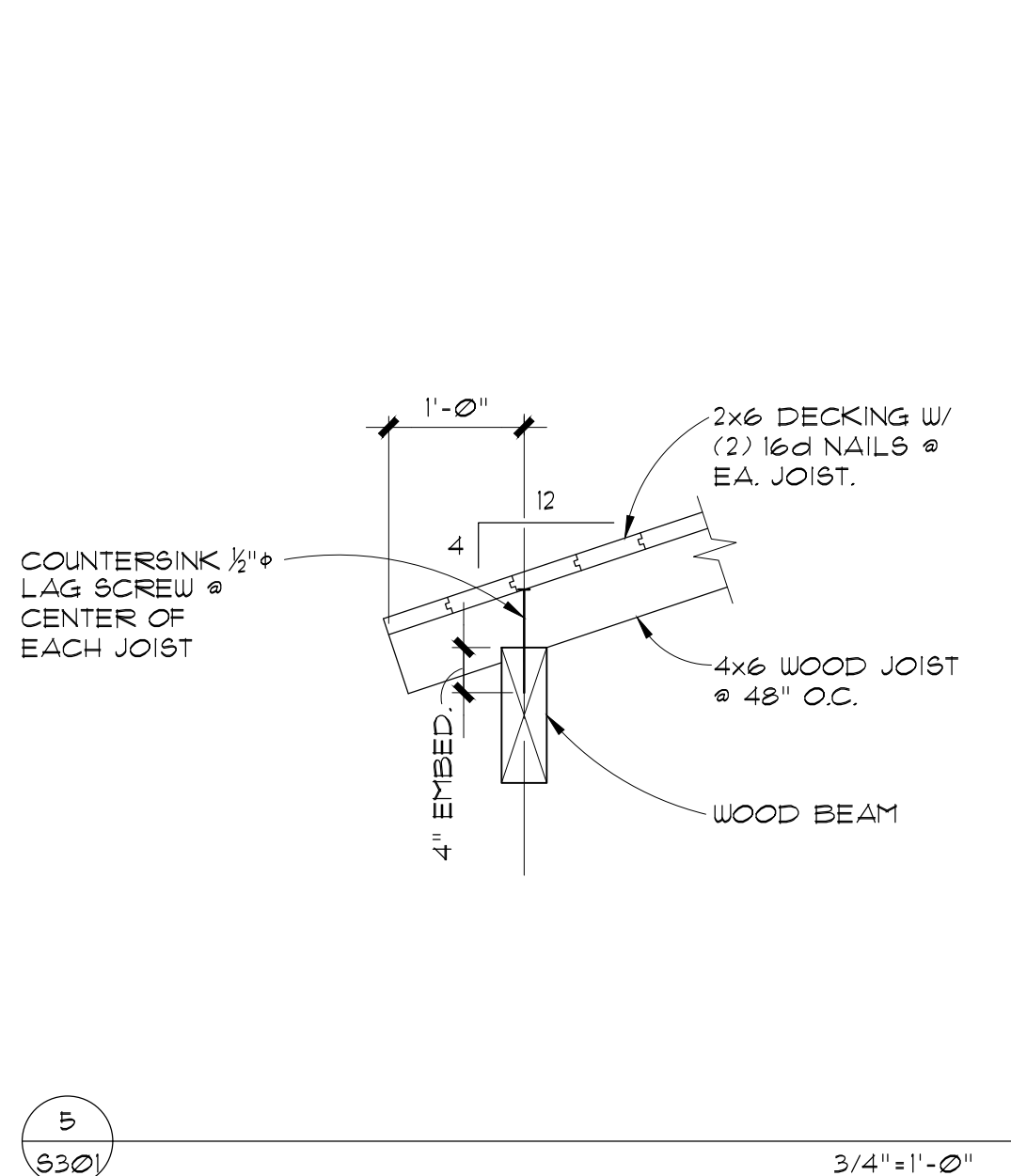
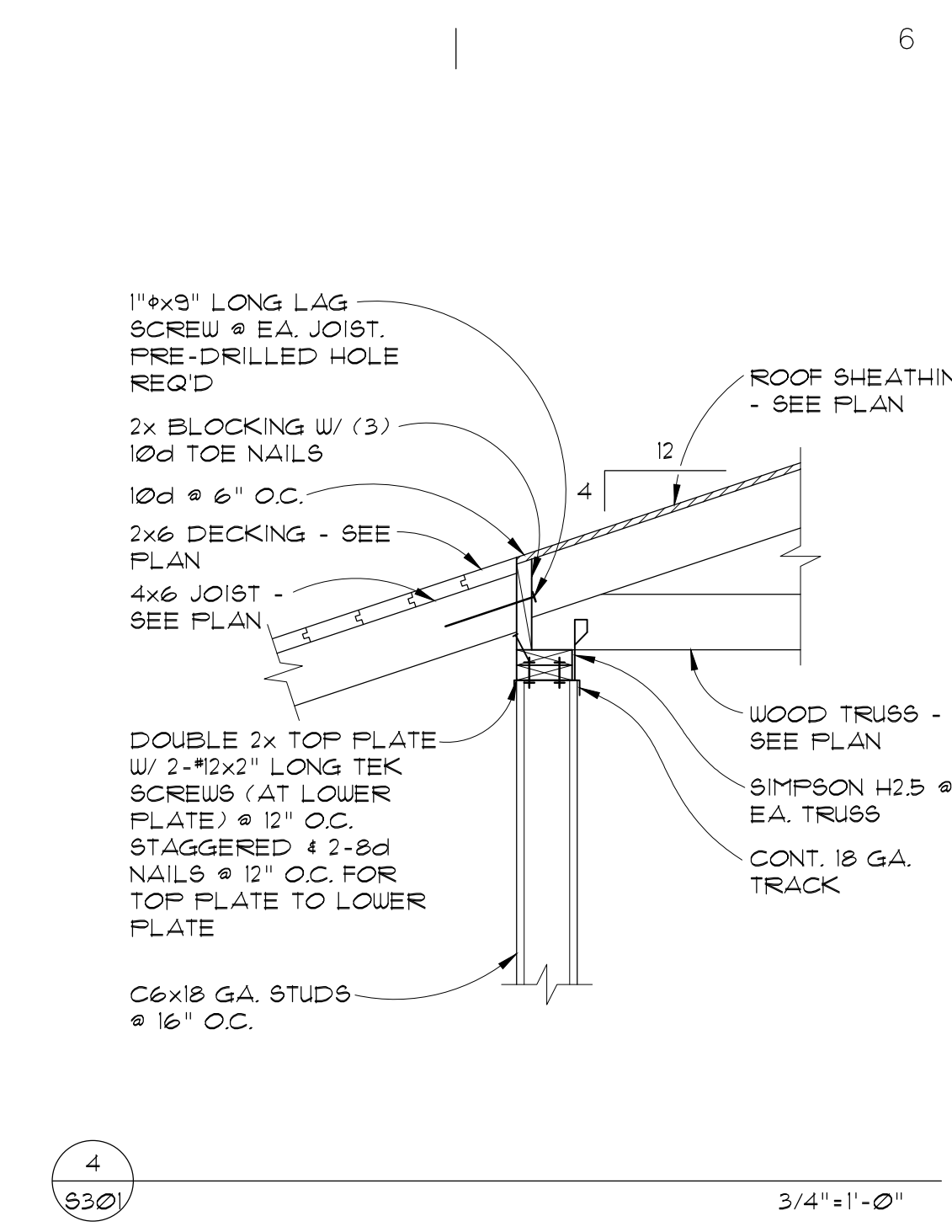
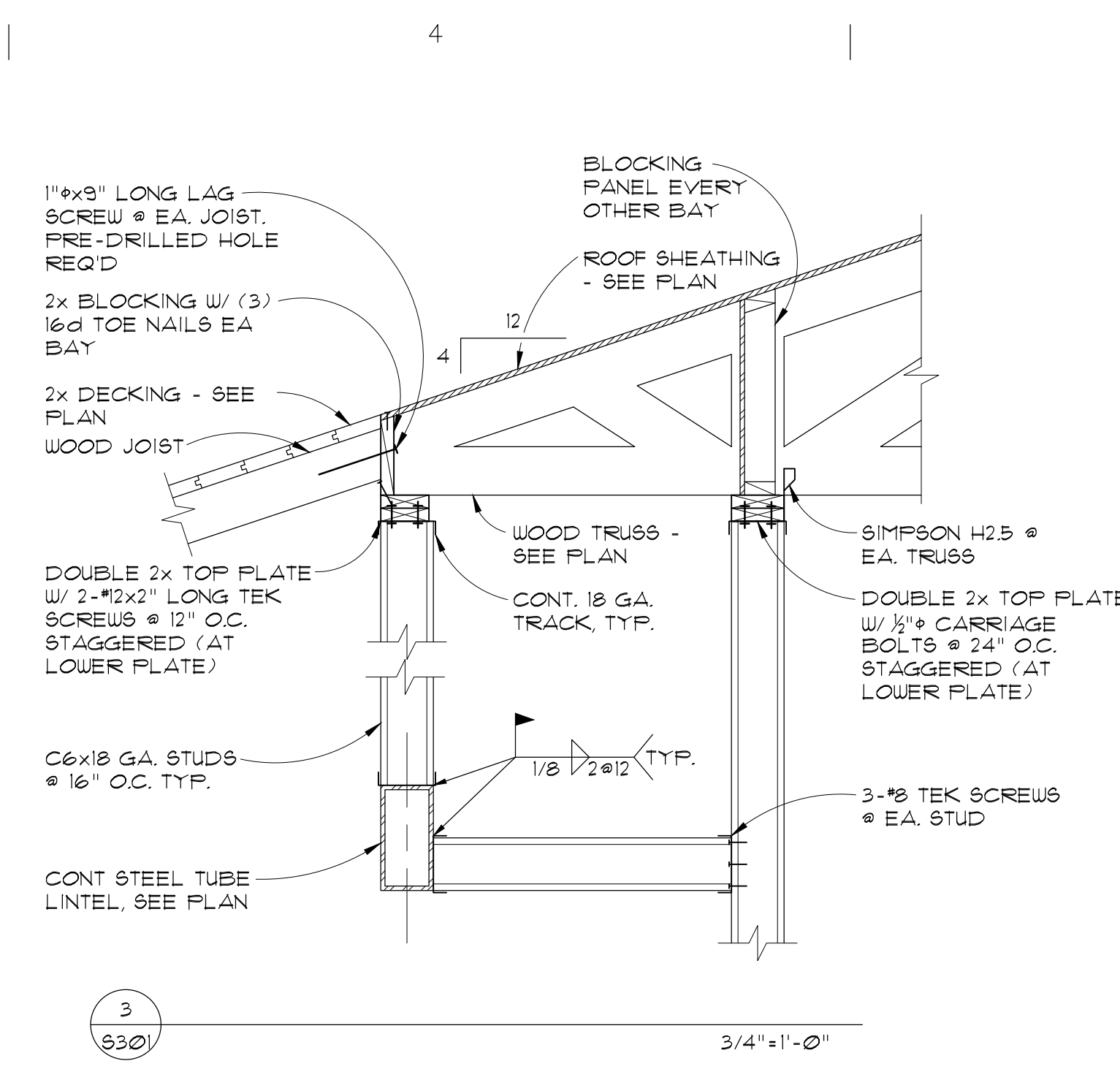
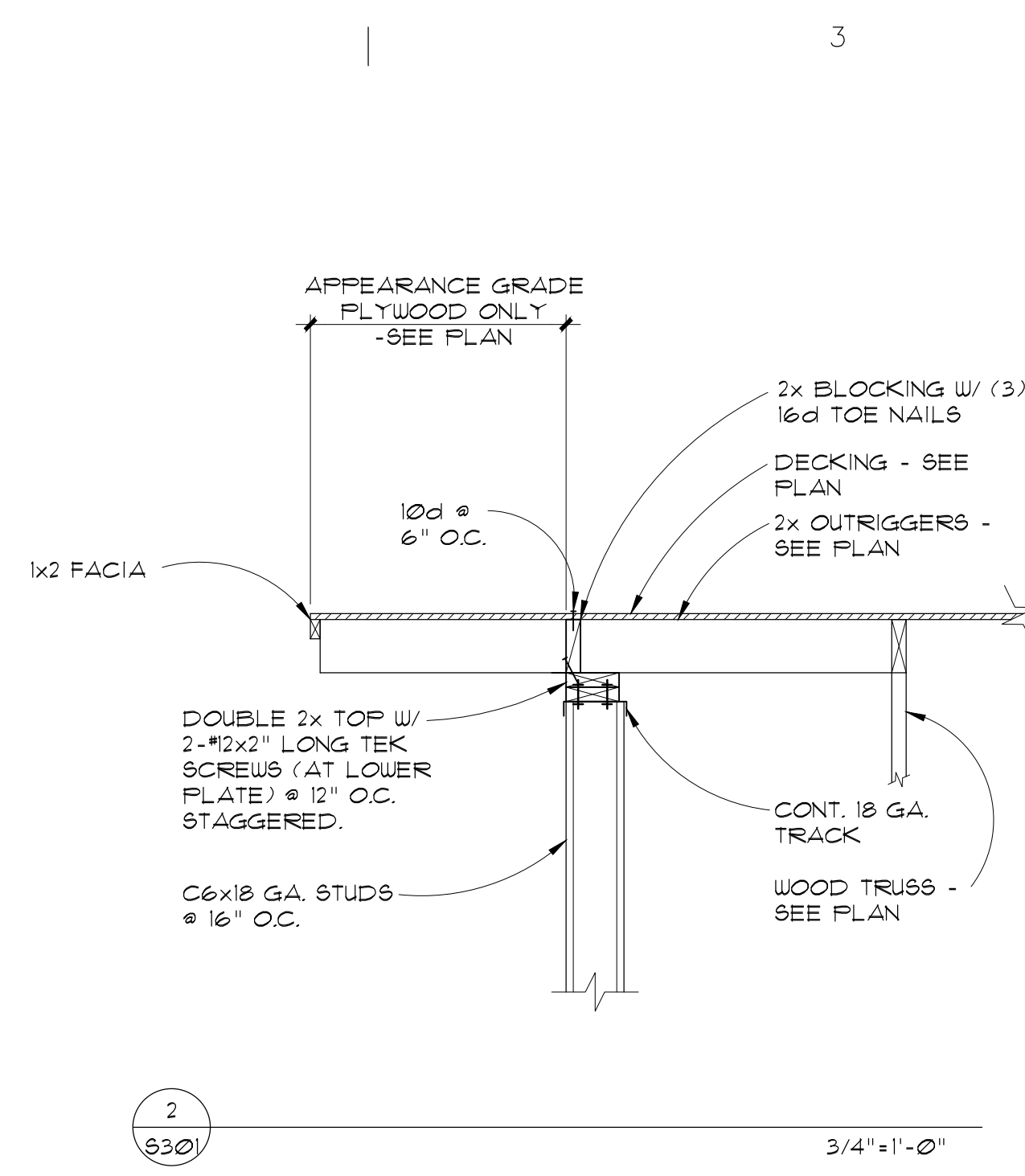
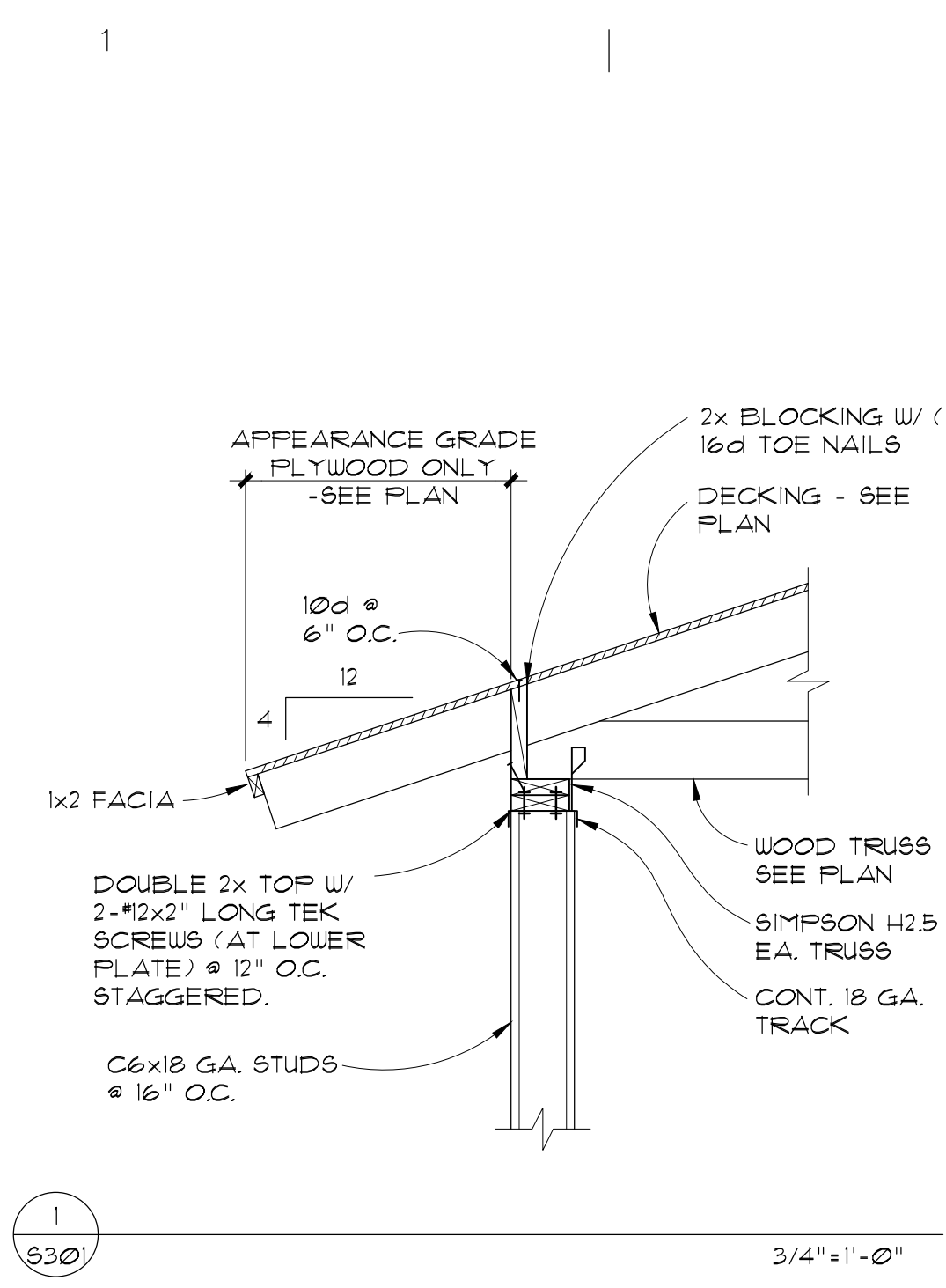
DESIGNER: DLR  
CHECKED: MJW  
DATE: 08.28.2019  
SCALE:  
JOB NO.: 3050  
CAD FILE:

SHEET TITLE:

**FRAMING SECTIONS & DETAILS**

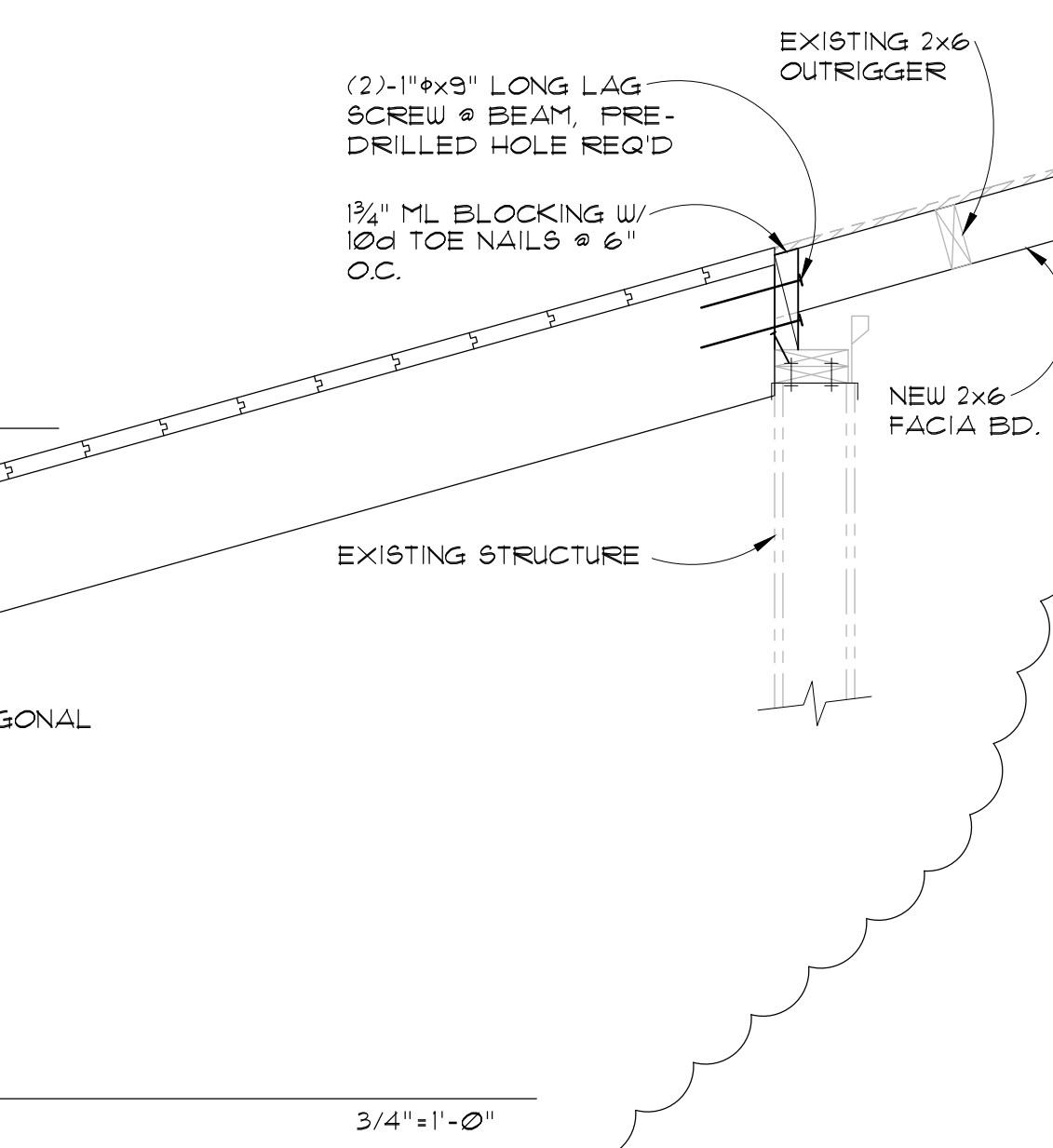
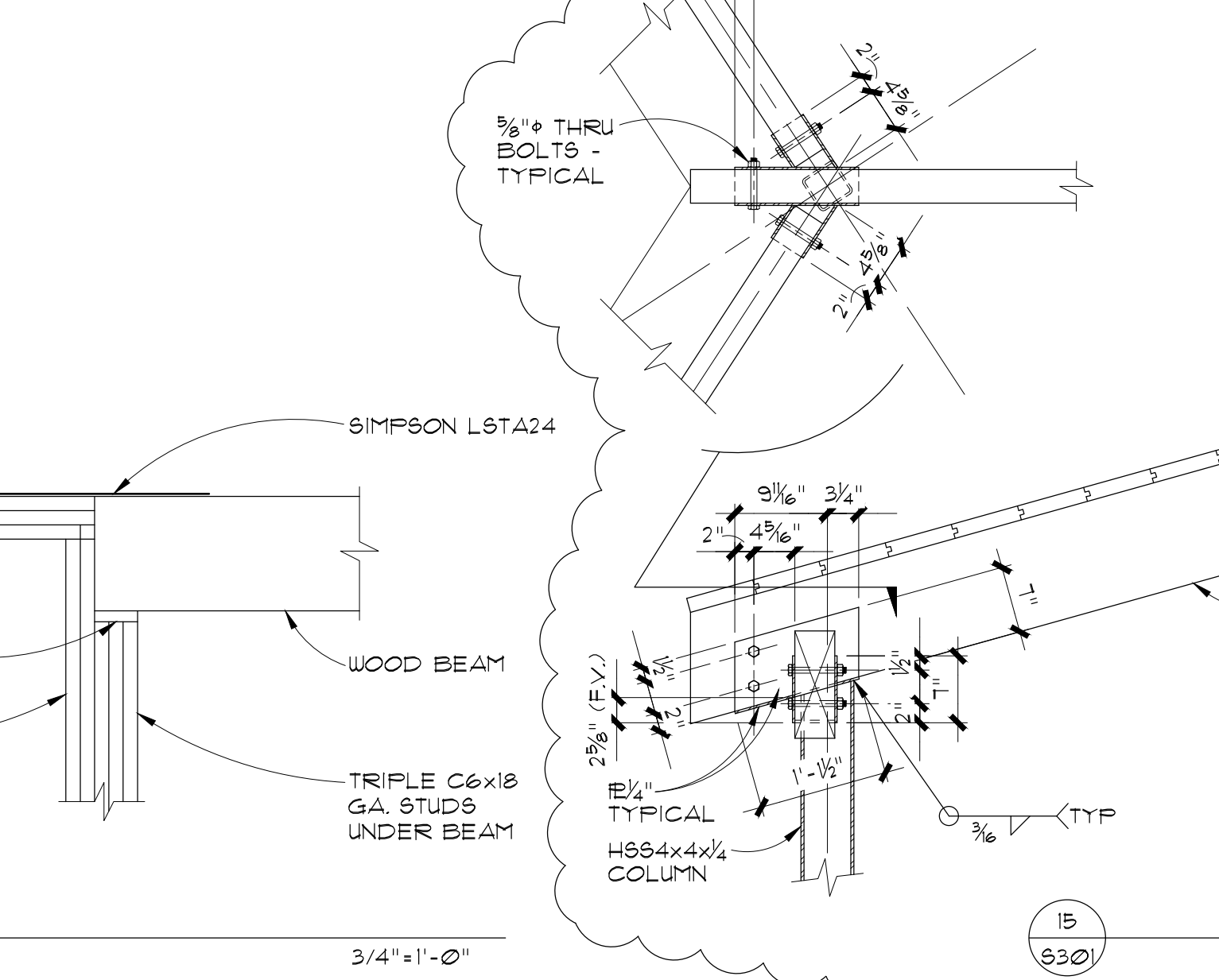
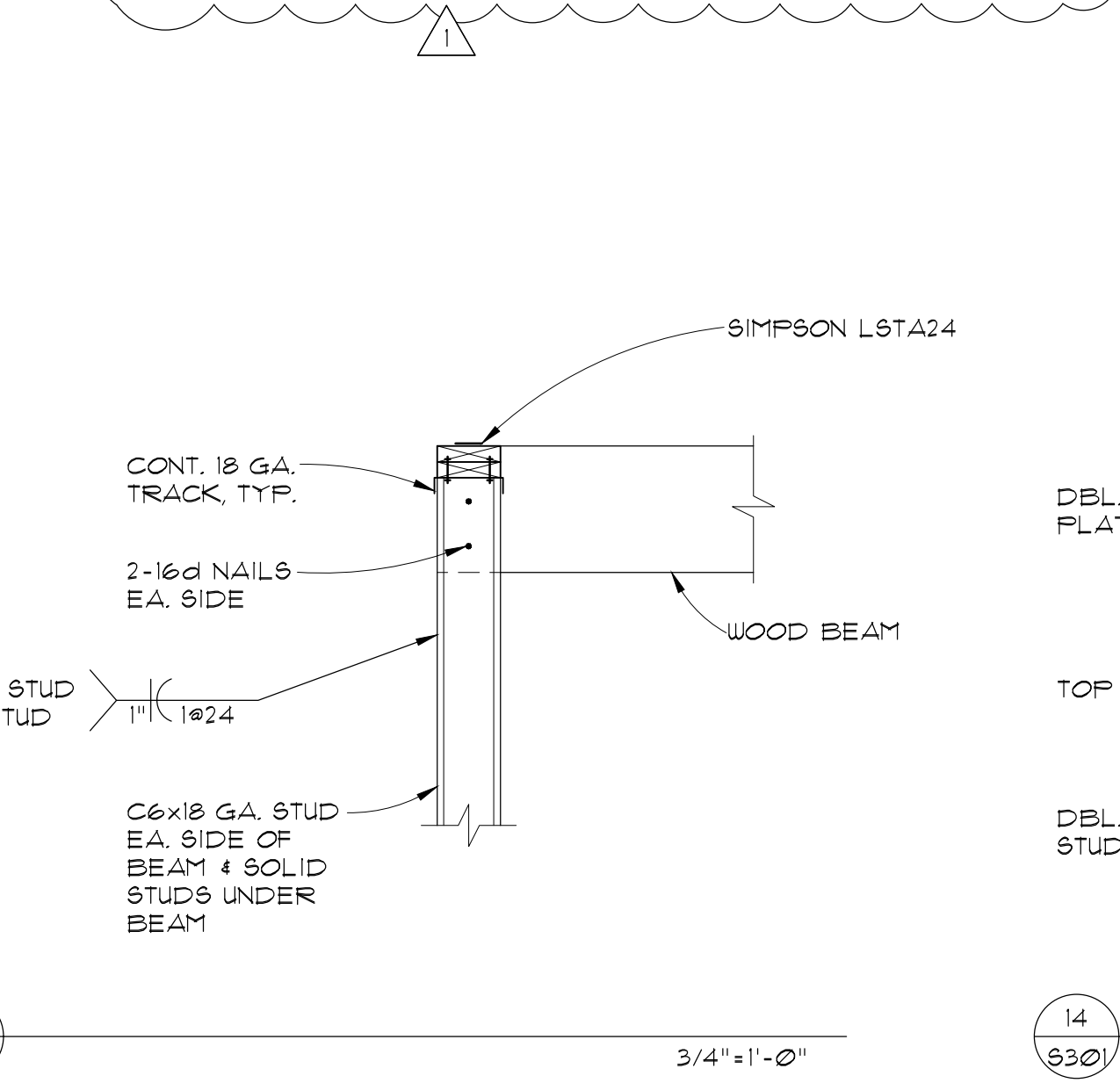
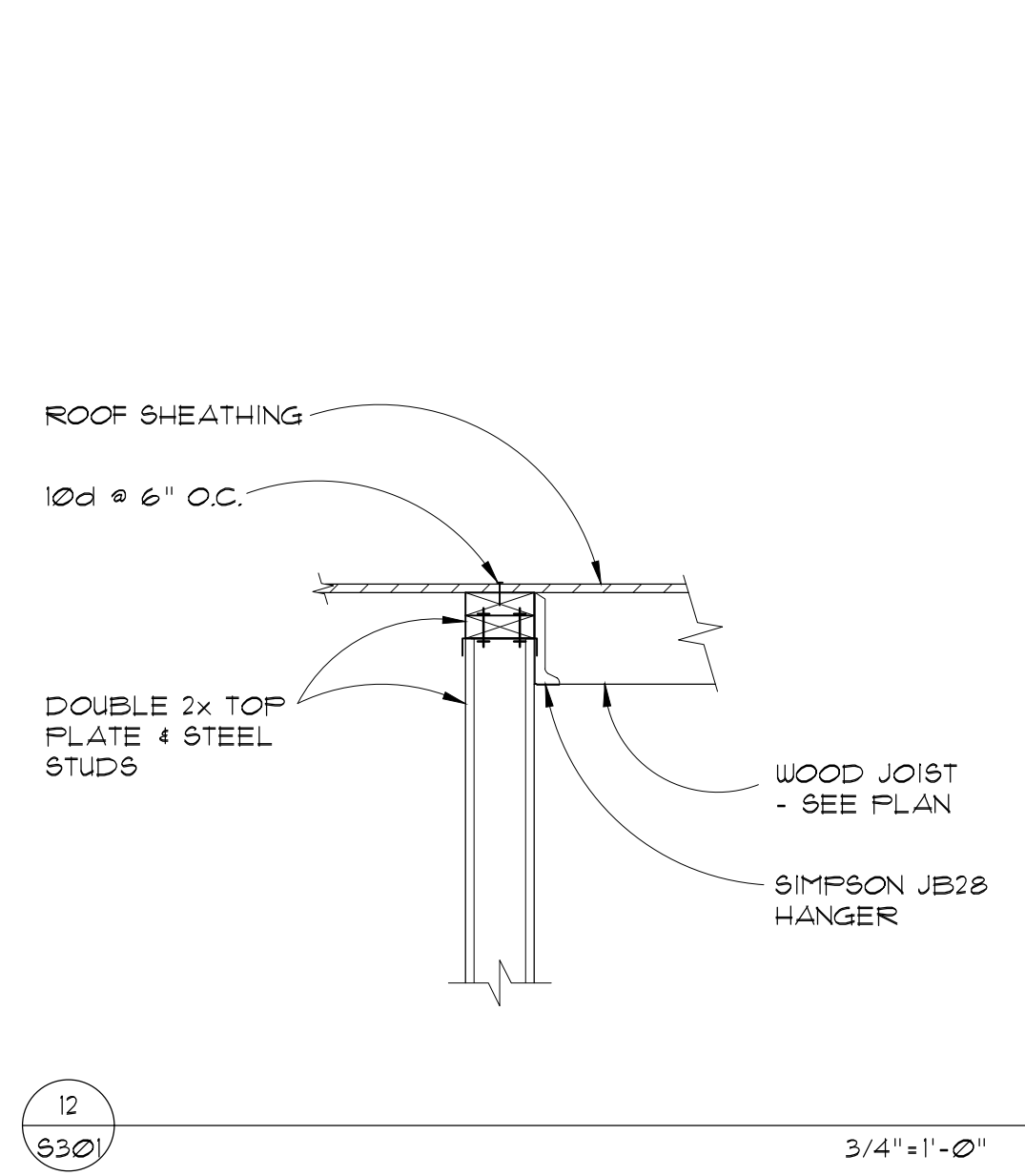
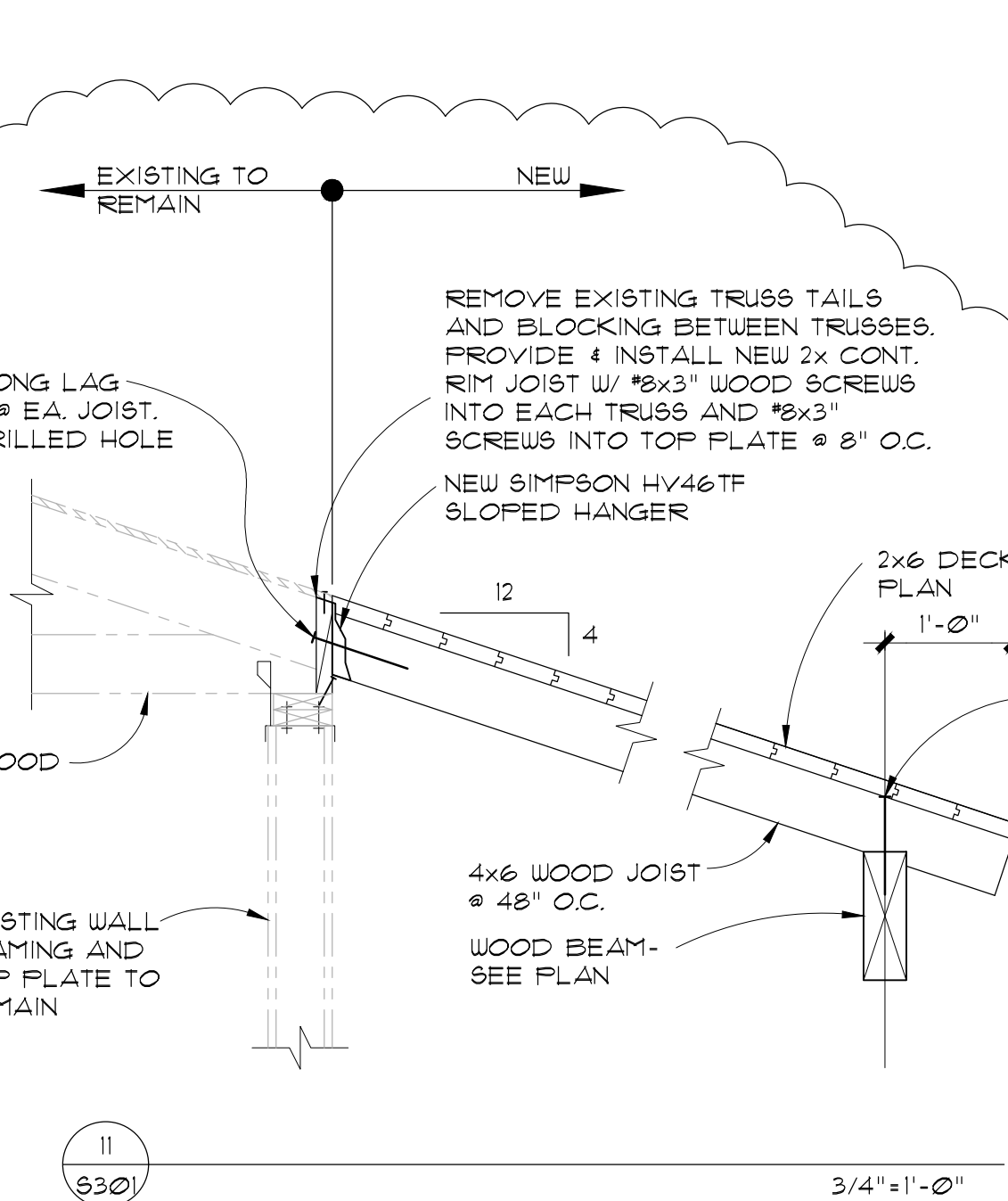
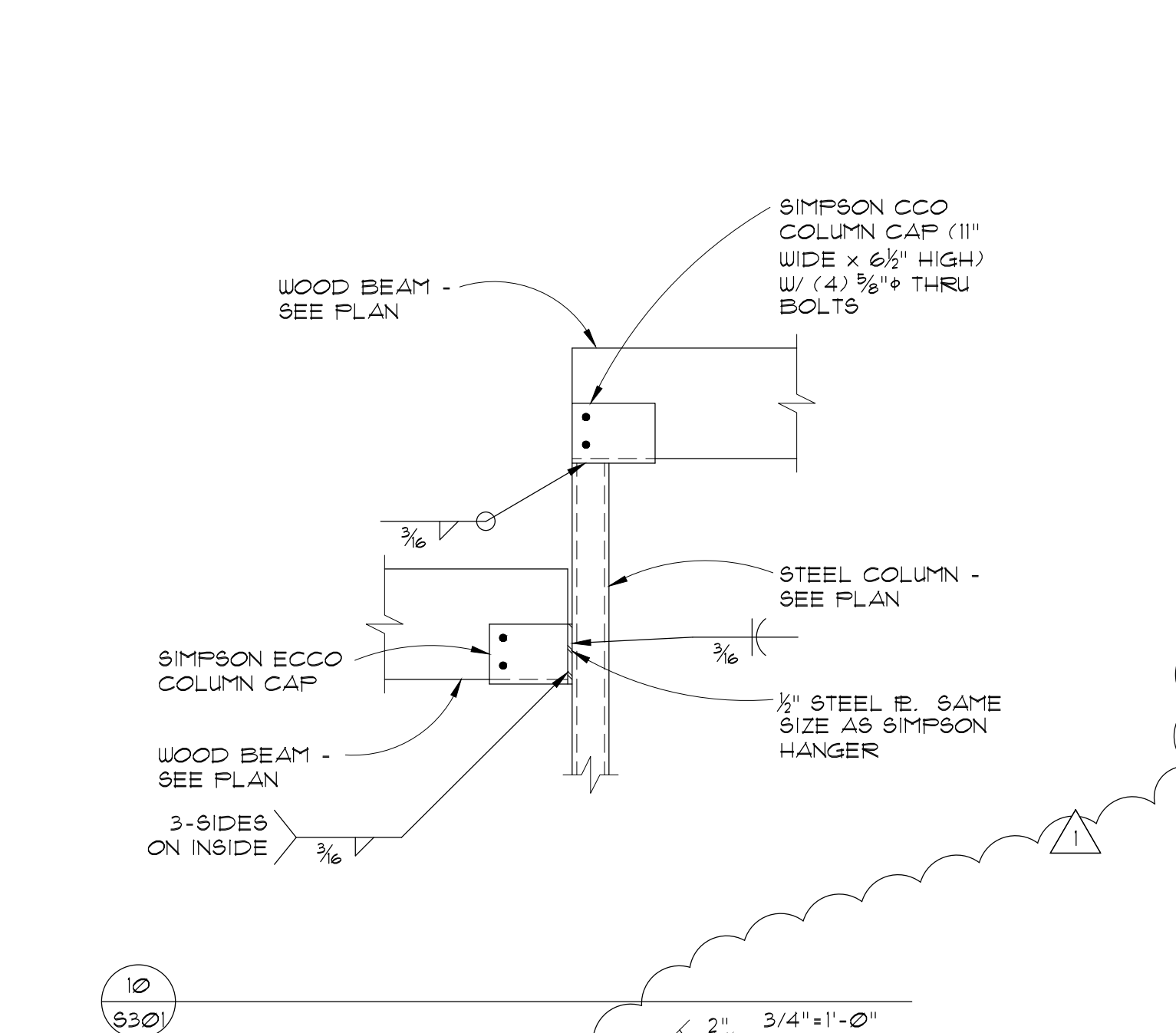
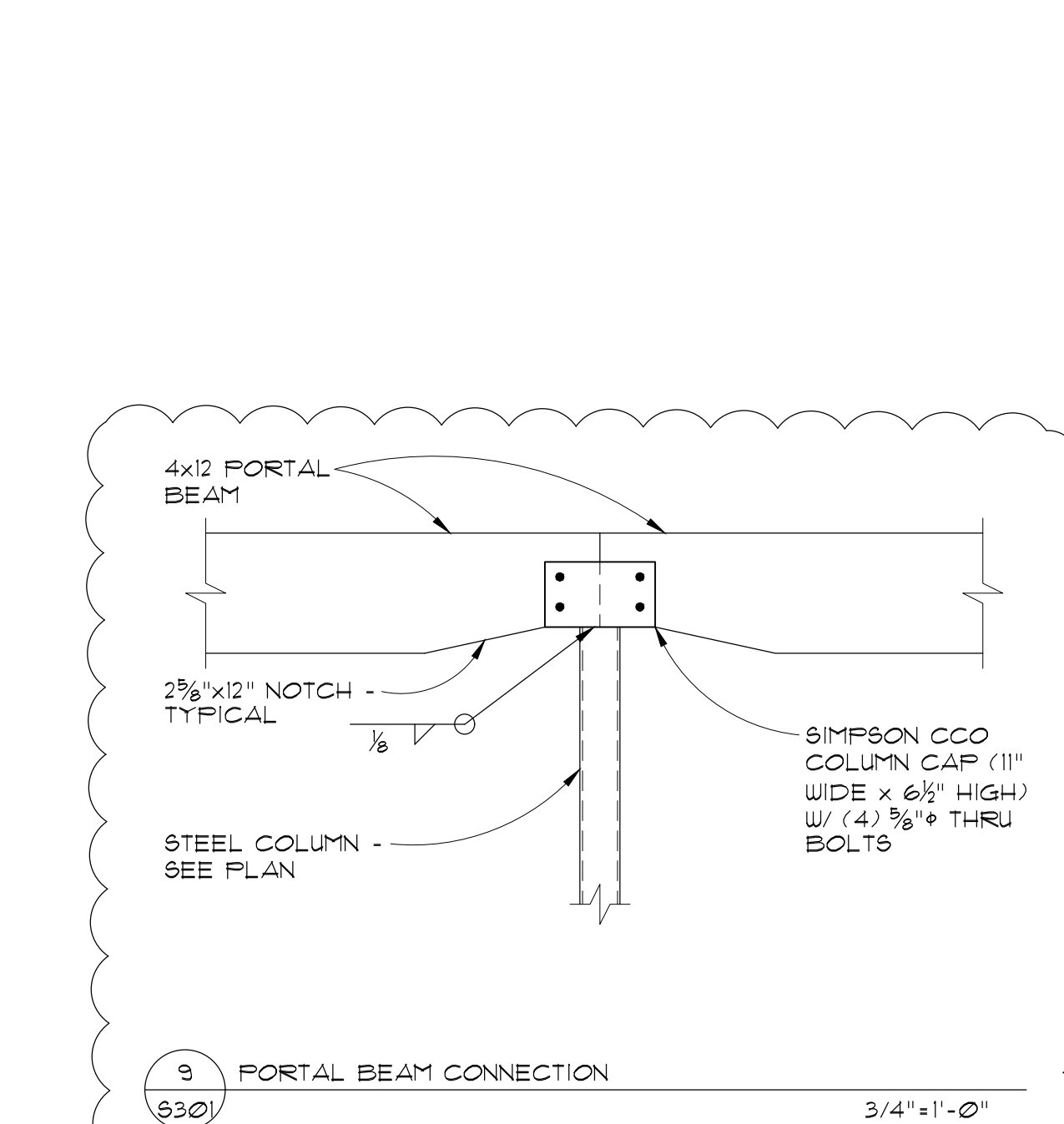
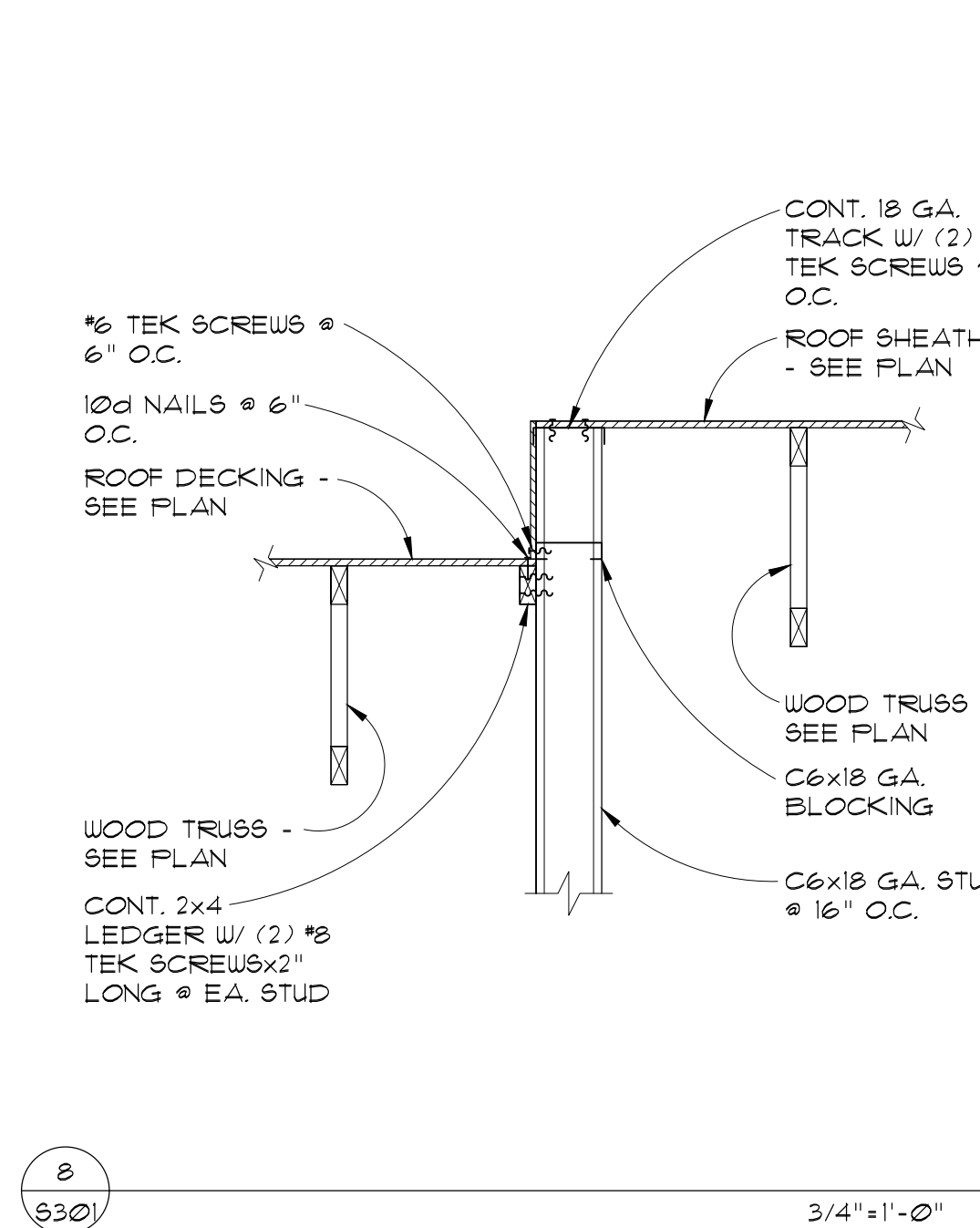
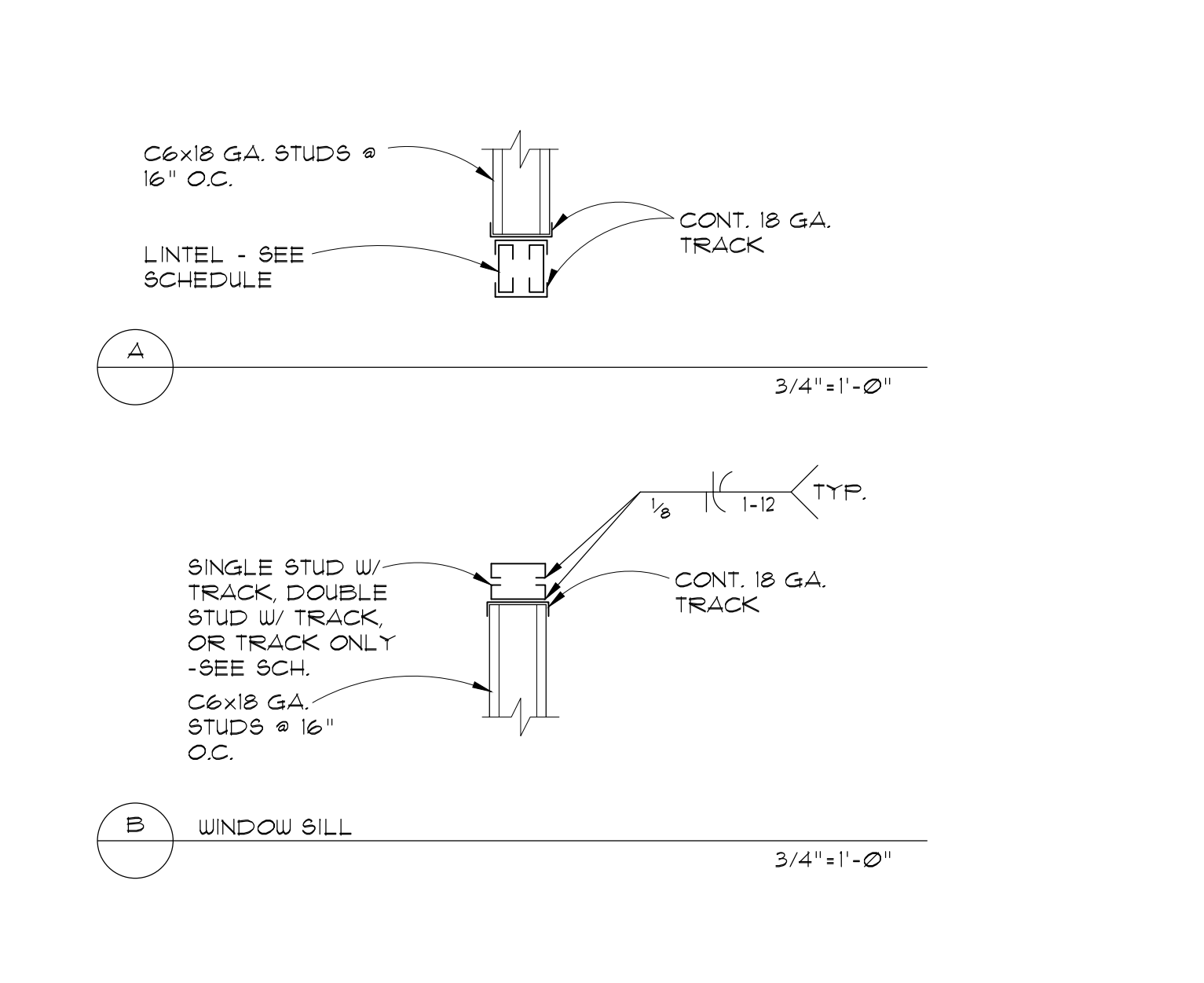
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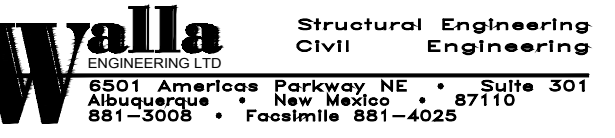
**S301**



OPENING WIDTH	SIZE	STUDS AT BEARING	FULL HEIGHT STUDS	WINDOW SILL REINFORCING
0 TO 4'-0"	2-C6x18 GA.	1-C6x18 GA.	1-C6x18 GA.	TRACK ONLY
4'-1" TO 6'-0"	3-C6x18 GA.	1-C6x18 GA.	2-C6x18 GA.	SINGLE 18 GA C-STUD
6'-1" TO 8'-0"	T86x6x3/8	2-C6x18 GA.	2-C6x18 GA.	SINGLE 18 GA C-STUD
8'-1" TO 10'-0"	T86x6x1/2	2-C6x18 GA.	3-C6x18 GA.	DOUBLE 18 GA C-STUD

6  
TYPICAL ELEVATION OF OPNG IN BEARING WALL  
N.T.S.





PROJECT NAME

**COYOTE WILLOW  
FAMILY SCHOOL - PHASE 2**  
7125 IRVING BOULEVARD NW  
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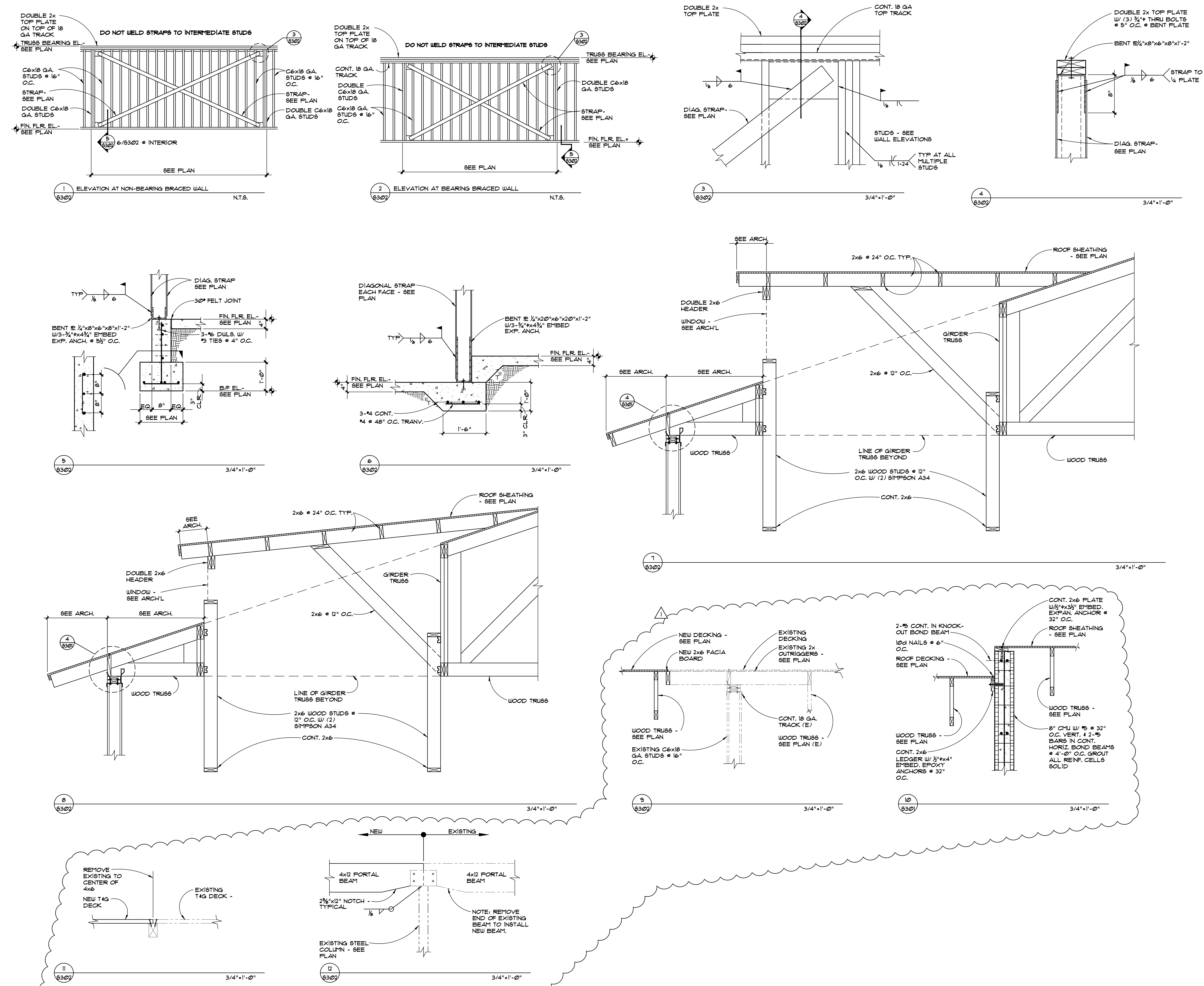
REVISIONS		
NO.	DATE	DESCRIPTION
1	8/29/19	ADDENDUM #2

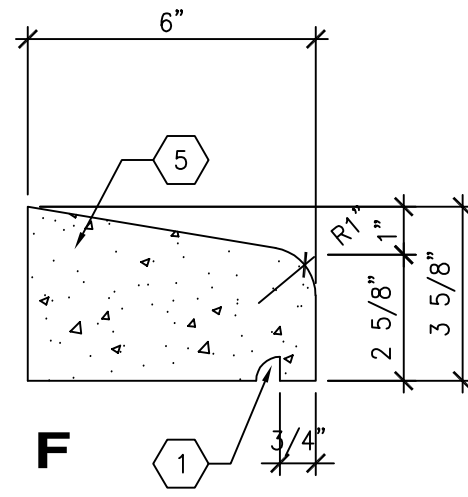
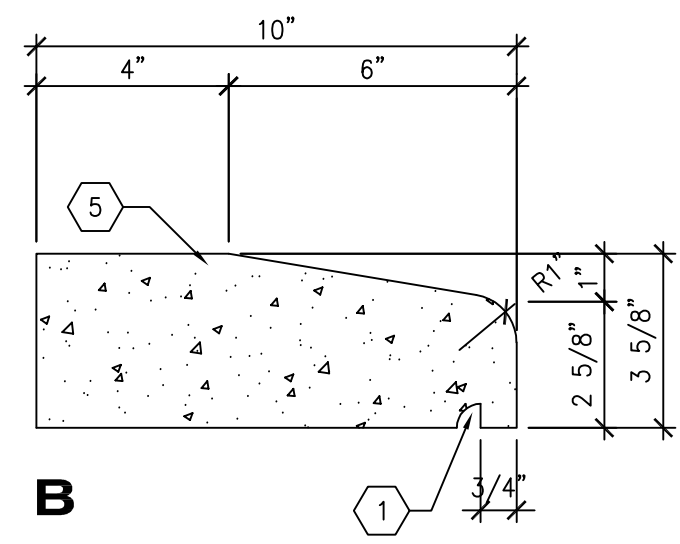
DESIGNER: DLR  
CHECKED: M/M  
DATE: 08.28.2019  
SCALE:  
JOB NO.: 3050  
CAD FILE:

SHEET TITLE:  
**SECTION B  
FRAMING SECTIONS &  
DETAILS**

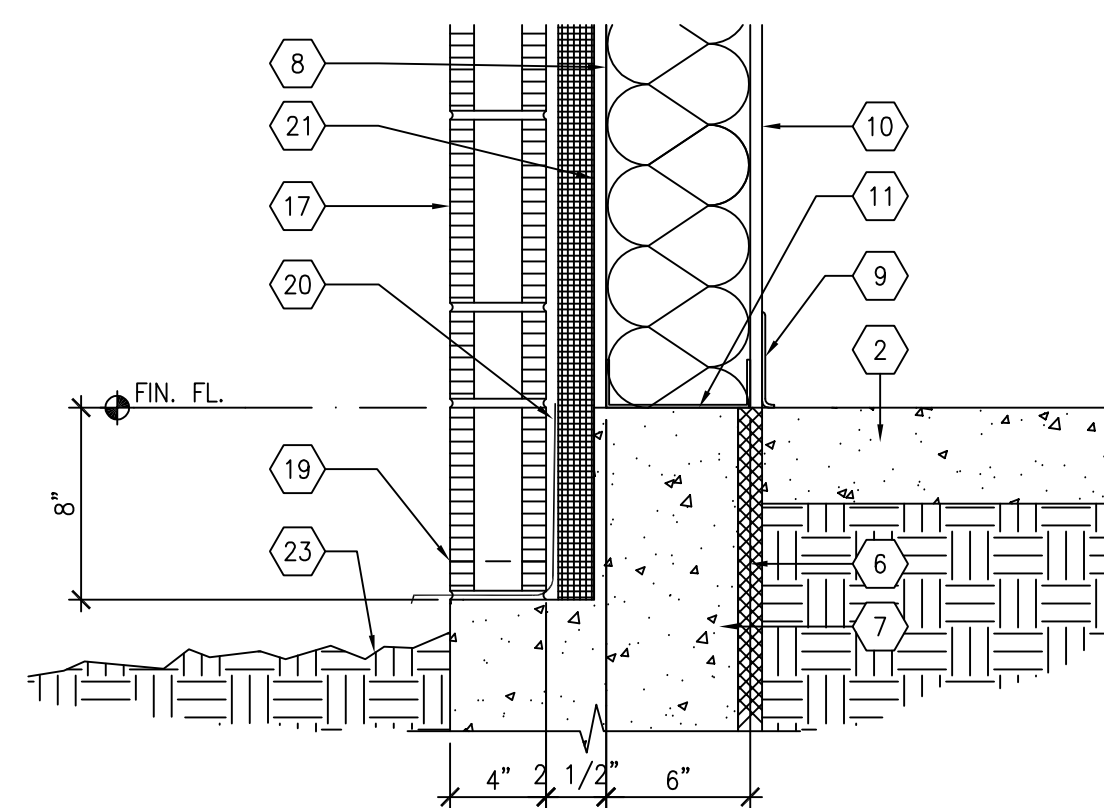
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**S302**

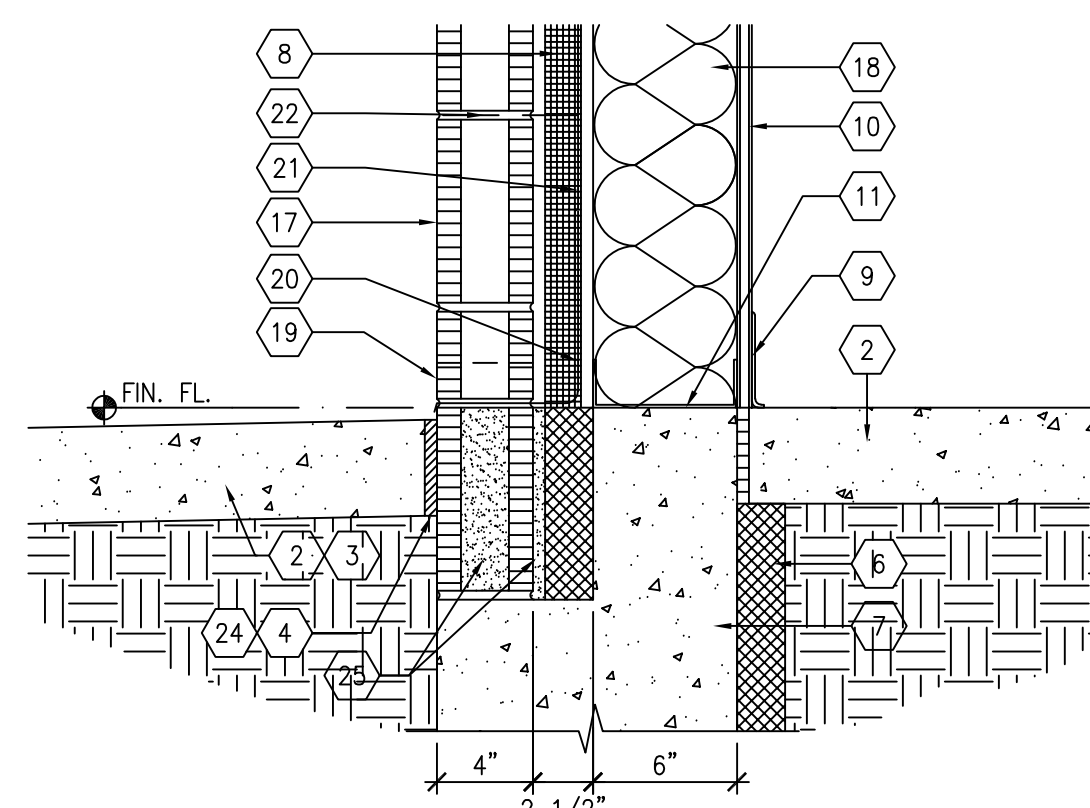




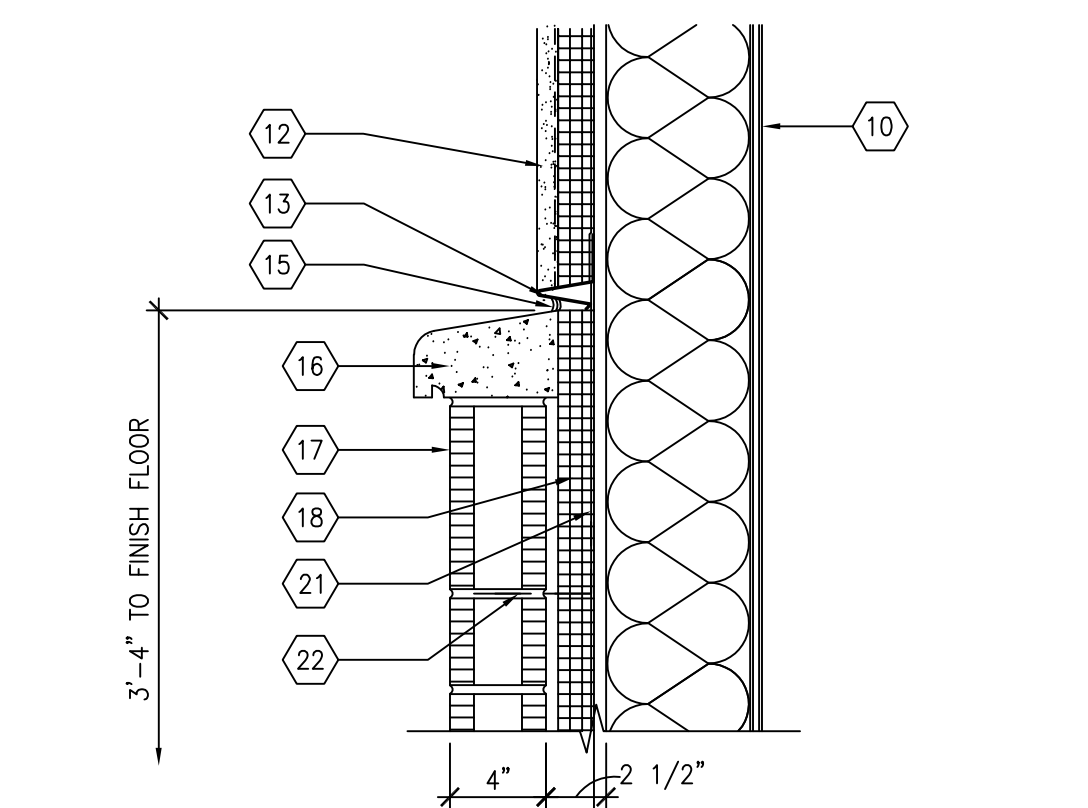
**F1** CONCRETE CAPS  
SCALE: 3" = 1'-0"



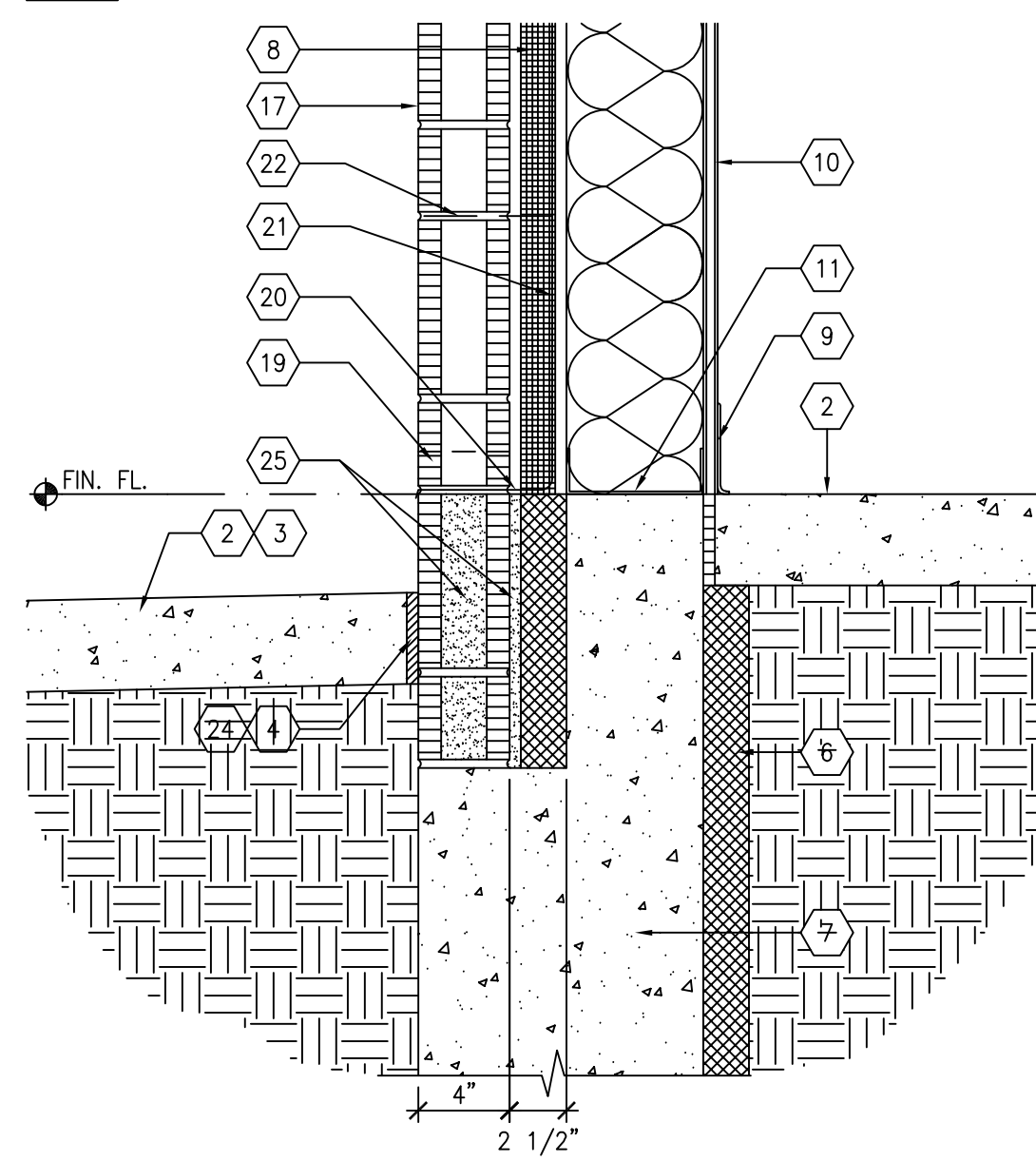
**E3** DETAIL  
SCALE: 1 1/2" = 1'-0"



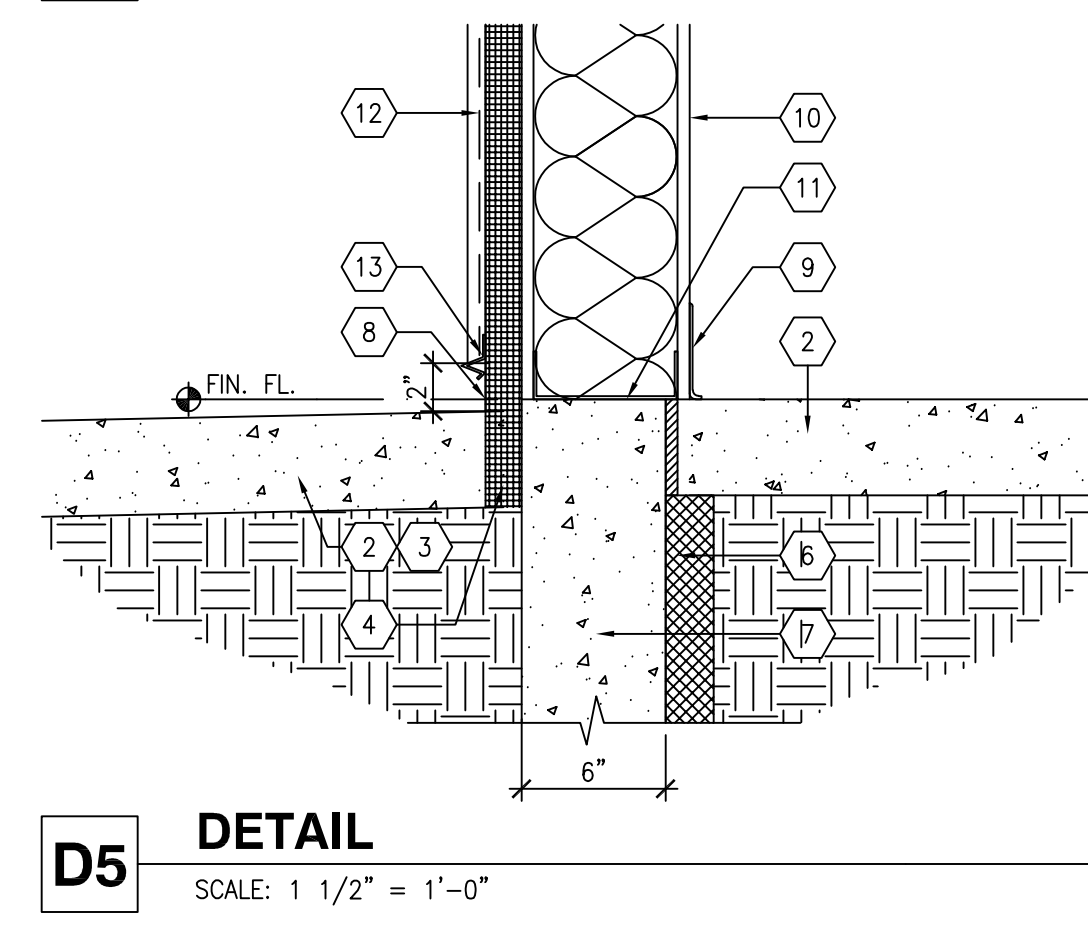
**E4** DETAIL  
SCALE: 1 1/2" = 1'-0"



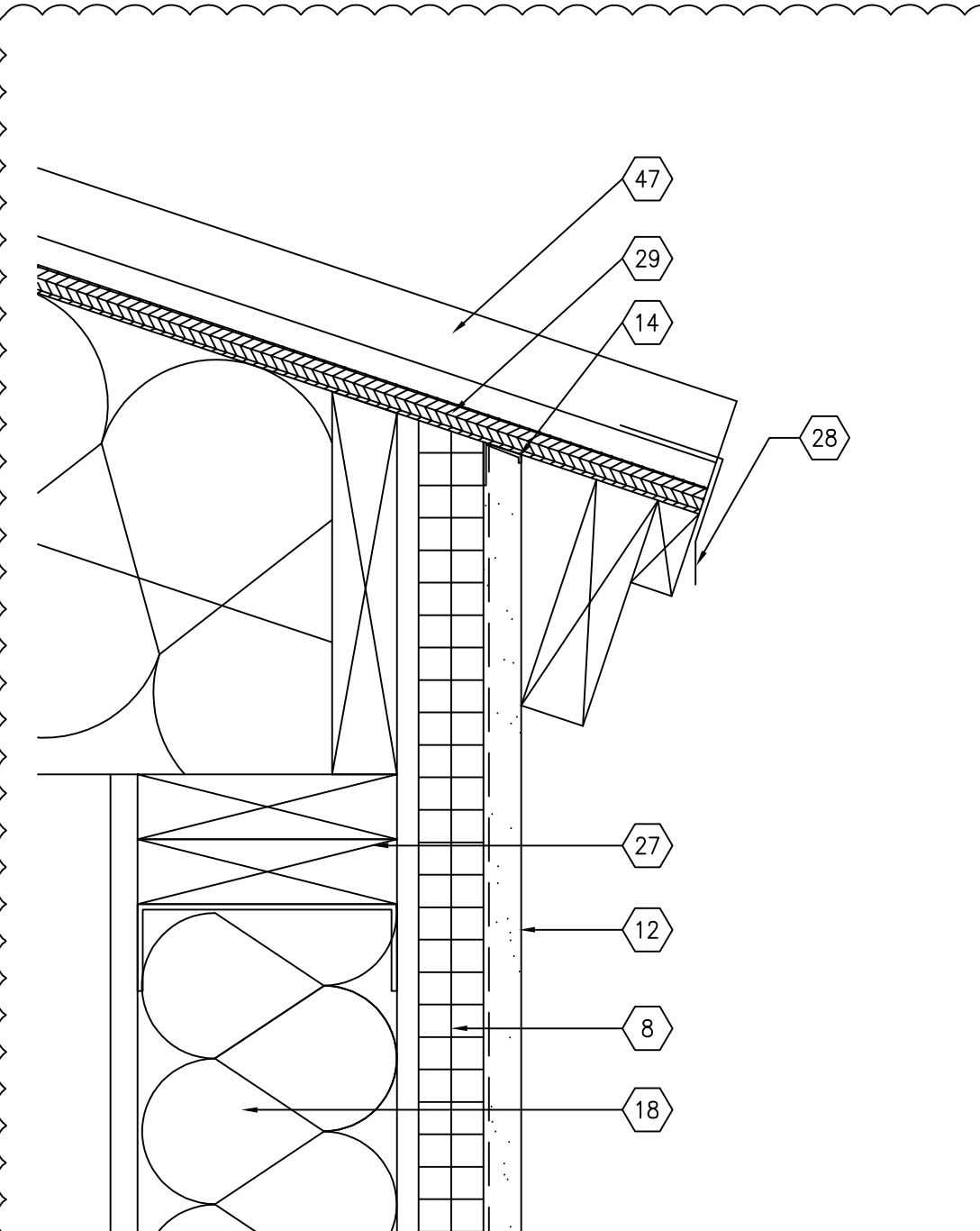
**E5** DETAIL  
SCALE: 1 1/2" = 1'-0"



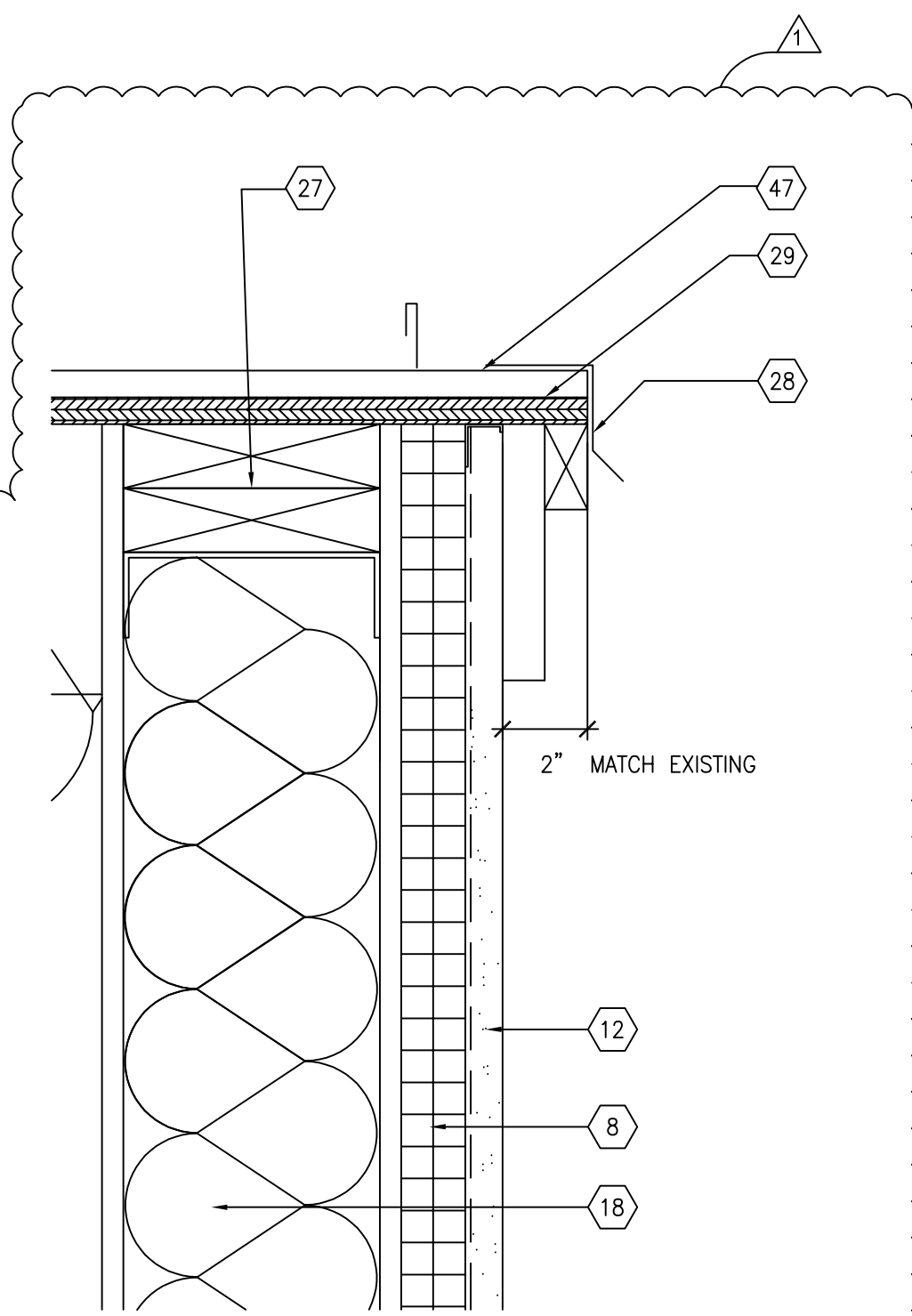
**C4** DETAIL  
SCALE: 1 1/2" = 1'-0"



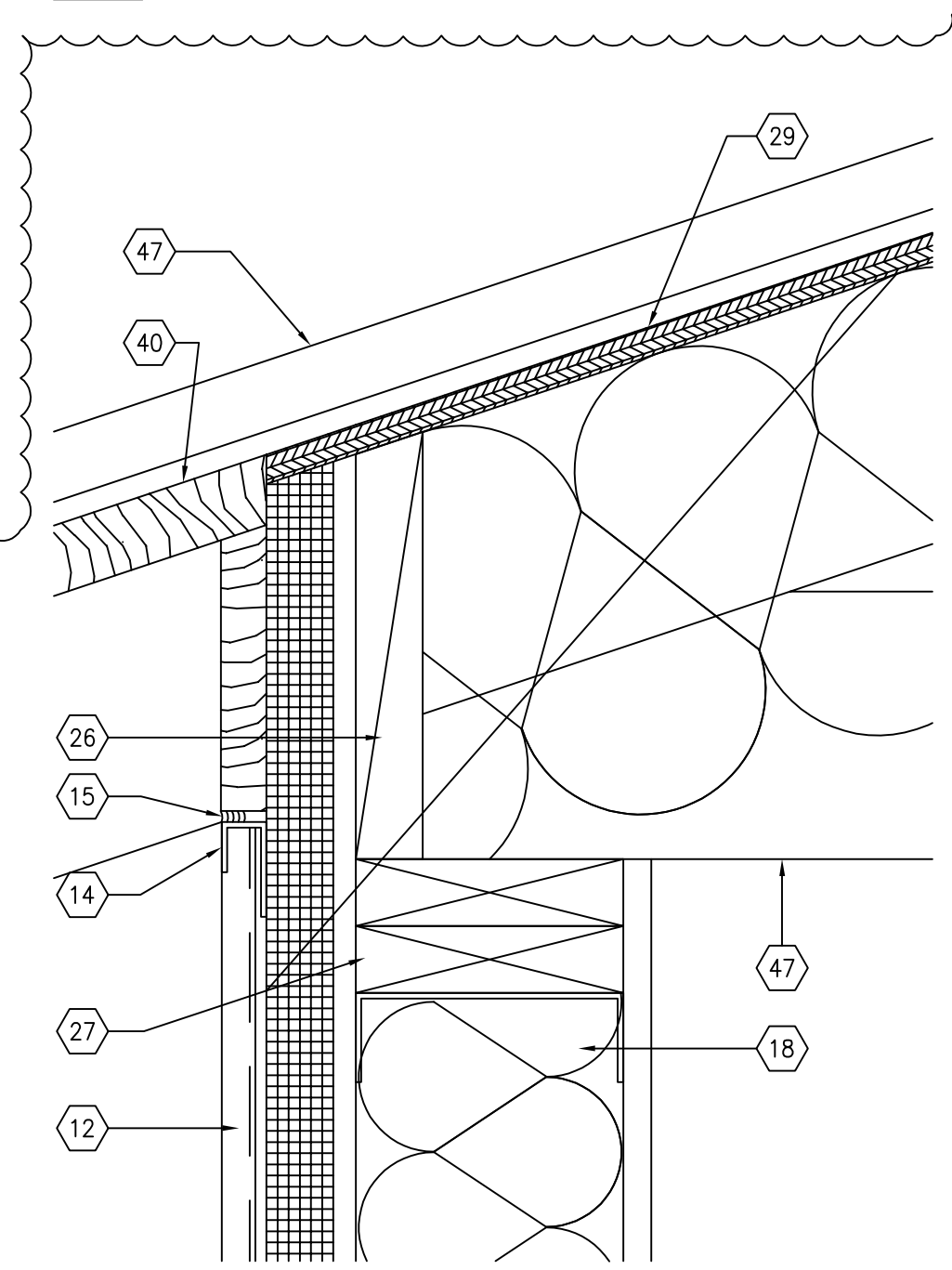
**D5** DETAIL  
SCALE: 1 1/2" = 1'-0"



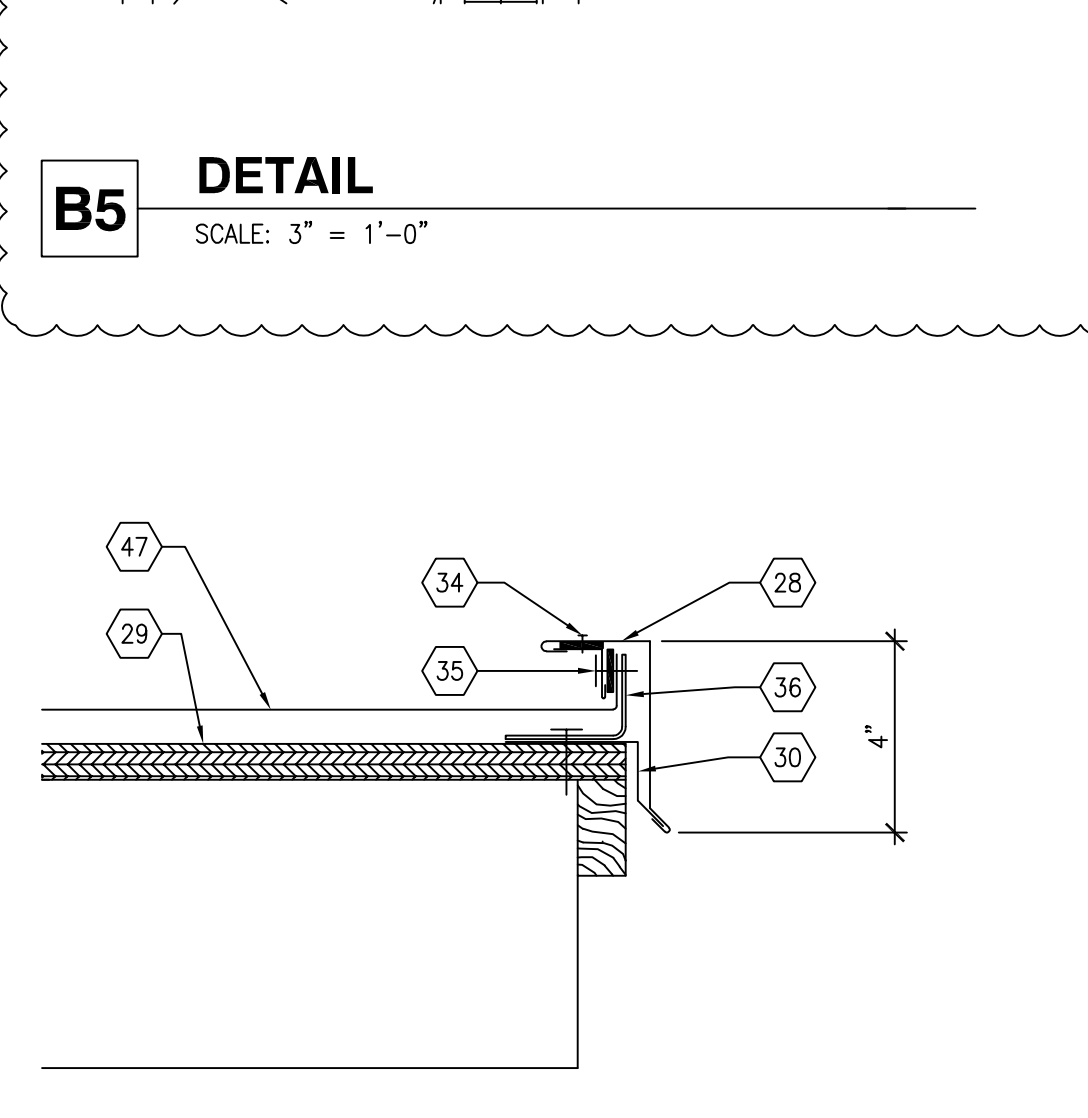
**B5** DETAIL  
SCALE: 3" = 1'-0"



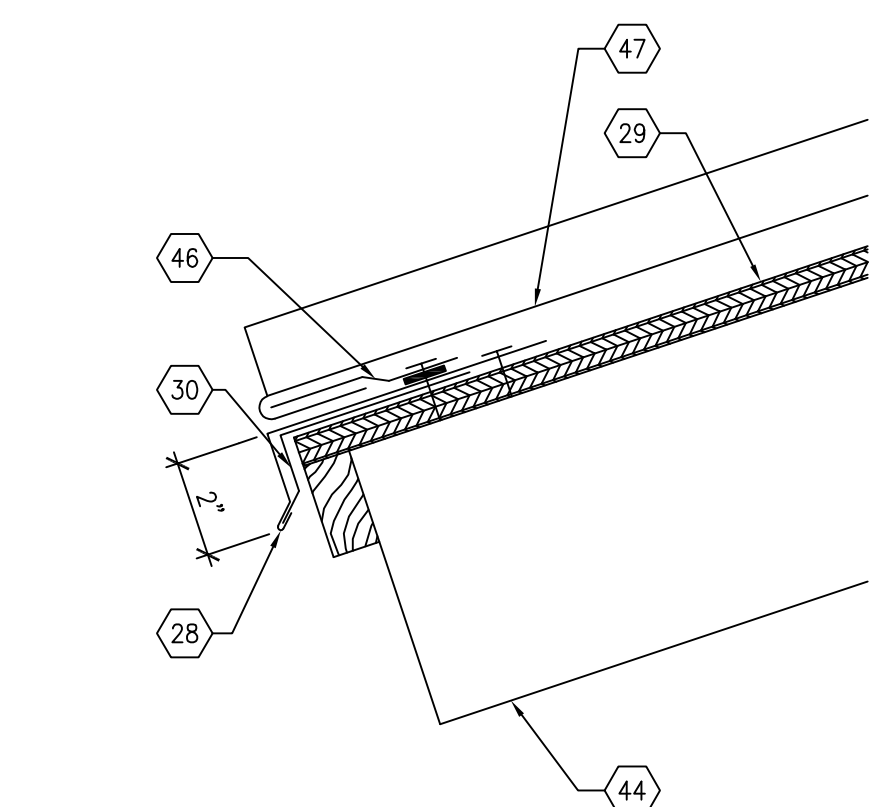
**B6** DETAIL  
SCALE: 3" = 1'-0"



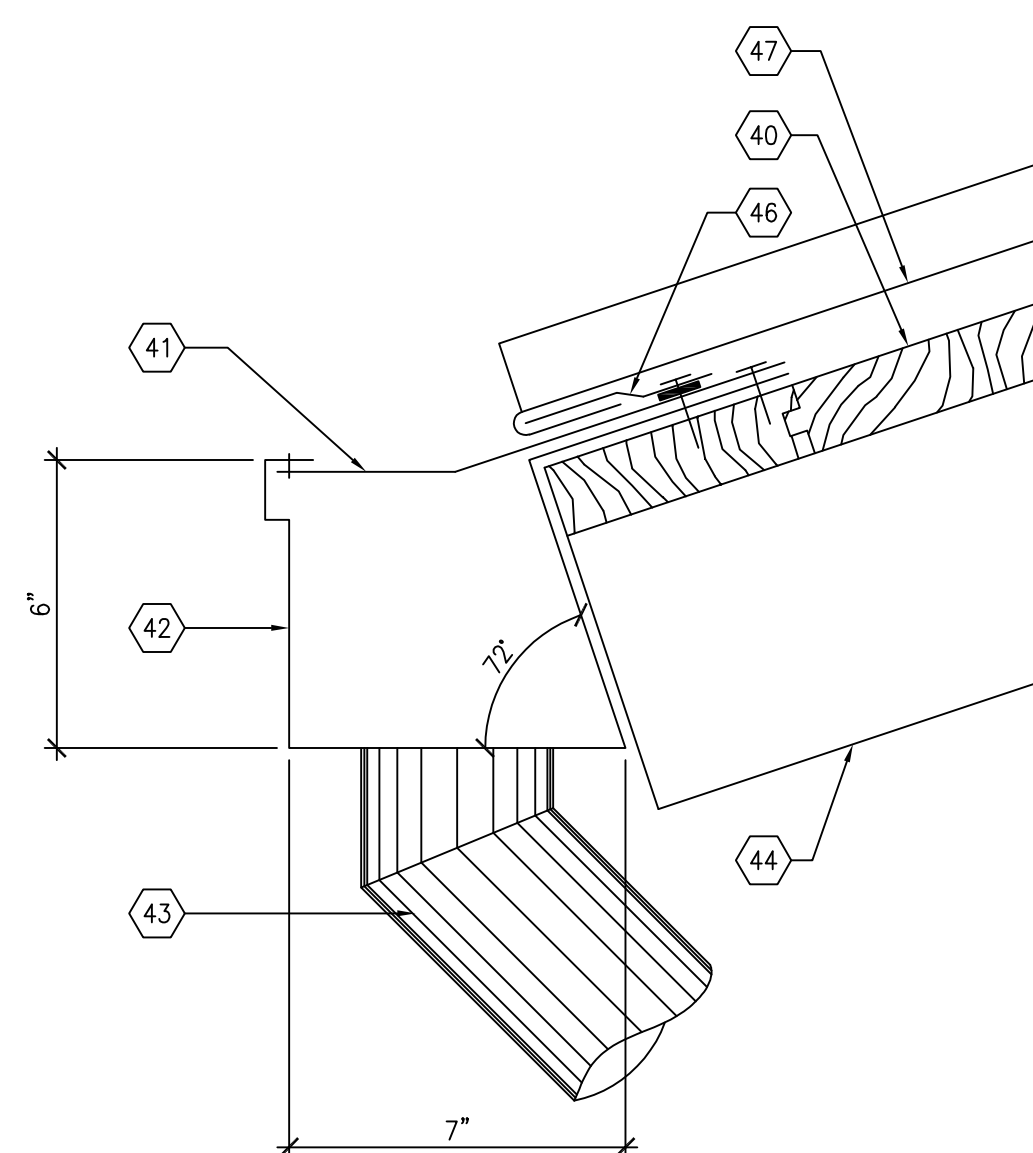
**A6** DETAIL  
SCALE: 3" = 1'-0"



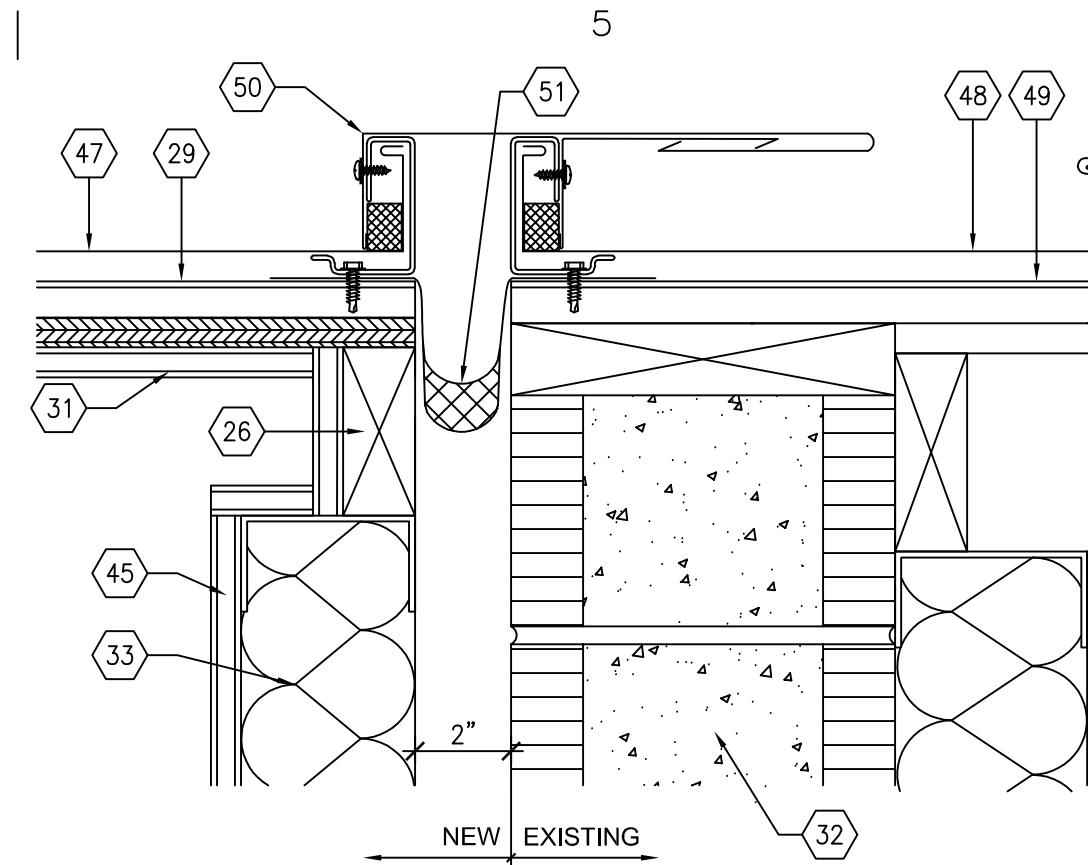
**A5** DETAIL  
SCALE: 3" = 1'-0"



**A4** DETAIL  
SCALE: 3" = 1'-0"



**B2** DETAIL  
SCALE: 3" = 1'-0"



**F5** SECTION DETAIL  
SCALE: 3" = 1'-0"

**KEYED NOTES**

1. IN CASE OF CONFLICT, DETAILS CONTROL, NOT WALL SECTIONS.

**KEYED NOTES**

1. 1/2" DRIP.
2. CONCRETE SLAB.
3. SLOPE AWAY FROM BUILDING.
4. 1/2" EXPANSION JOINT.
5. CONCRETE TO HAVE SMOOTH FINISH.
6. RIGID PERIMETER INSULATION.
7. CONCRETE STEM WALL.
8. 1 1/2" RIGID INSULATION.
9. FLOOR BASE.
10. 5/8" GIP. BD. OVER STRUCTURAL STUDS WITH R-19 BATT INSULATION.
11. PROVIDE A CONTINUOUS BED OF SEALANT UNDER METAL TRACK.
12. PORTLAND CEMENT PLASTER (STUCCO) WITH DRAINAGE SCREEN OVER 1 1/2" RIGID INSULATION OVER FLUID APPLIED AIR BARRIER OVER EXTERIOR SHEATHING.
13. STUCCO WEEP SCREED.
14. STUCCO STOP.
15. SEALANT.
16. CONCRETE CAP "T"
17. 4" DECORATIVE C.M.U. DOWN TO CONCRETE STEM WALL OR 12" C.M.U. STEM WALL.
18. 6" METAL STUD.
19. WEEP HOLES AT 48" O.C.
20. CONTINUOUS FLASHING.
21. FLUID APPLIED AIR BARRIER OVER FLASHING OVER 1/2" SHEATHING.
22. ADJUSTABLE MASONRY TIES.
23. FINISH GRADE VARIES.
24. SEAL THE TOPS OF ALL EXPANSION JOINTS.
25. GROUT SOLID.
26. 2x WOOD BLOCKING.
27. (2) 2x WOOD TOP PLATES.
28. PREFINISHED DRIP FLASHING.
29. FELT WRAP OVER 5/8" PLYWOOD DECK.
30. CONTINUOUS HOLD DOWN CLIPS FASTENED AT 6" O.C.
31. 5/8" GYPSUM BOARD.
32. EXISTING C.M.U. WALL.
33. SOUND BATT INSULATION.
34. FASTENER WITH CONTINUOUS TAPE SEALER BETWEEN METAL.
35. FASTENER WITH CONTINUOUS TAPE SEALER BETWEEN ALL LAYERS.
36. CONTINUOUS RAKE TRIM SUPPORT.
37. CONTINUOUS RAKE TRIM SUPPORT.
38. RAKE TRIM.
39. BOX RAKE.
40. ROOFING FELTS OVER 2" T&G DECK.
41. GUTTER STRAPS AT 3'-0" O.C.
42. PREFINISHED METAL GUTTER.
43. 4" PREFINISHED DOWNSPOUT.
44. 2x6 WOOD JOIST.
45. 5/8" GYPSUM BOARD OVER 3 5/8" STRUCTURAL STUDS.
46. OFFSET CLEAT SECURED WITH FASTENER AND TAPE SEALER.
47. STANDING SEAM METAL ROOF.
48. EXISTING STANDING SEAM METAL ROOF.
49. EXISTING FELTS OVER PLYWOOD DECK.
50. FIRE RATED EXPANSION JOINT COVER. COLOR/FINISH TO MATCH EXISTING METAL PANEL ROOF.
51. FLEXIBLE MEMBRANE FIRE BARRIER.



THE HARTMAN + MAJEWSKI  
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CONSULTANT

STAMP



PROJECT NAME

**COYOTE WILLOW**  
**FAMILY SCHOOL- PHASE 2**  
7125 IRVING BOULEVARD NW  
ALBUQUERQUE, NEW MEXICO 87114

NO.	DATE	DESCRIPTION
1	8-30-19	ADDENDUM 002

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DESIGNER: WESC  
CHECKED: WESC  
DATE: 08.16.2019  
SCALE: AS INDICATED  
JOB NO.: 3050  
CAD FILE: 999\_A999

SHEET TITLE:  
DETAILS

SHEET NUMBER:

**A500**