LOS RIOS COMMUNITY COLLEGE DISTRICT

1919 Spanos Court, Sacramento, CA 95825
Phone (916) 568-3071 FAX (916) 568-3145
Purchasing Department

Sacramento City College American River College Cosumnes River College Folsom Lake College

ADDENDUM NO. 3

ISSUE DATE: July 5, 2018

SCC Mohr Hall Replacement

LRCCD BID NO. 18025

Issued By:

LOS RIOS COMMUNITY COLLEGE DISTRICT
1919 Spanos Court, Sacramento, CA 95825
Phone (916) 568-3071 Fax (916) 568-3145

This addendum forms a part to the Contract Documents. The addendum items supersede and supplement all portions of the bidding documents with which it conflicts. All workmanship, materials, appliances and equipment which may be included in the following addendum items shall be of the same relative quality as described for similar work set forth in the general or main specifications of which these addendum items shall be considered a part.

This Addendum has been acknowledged in the space provided on the Bid Form and is considered part of the bid documents.

This Addendum consists of 43 pages

END OF SECTION.

Dreyfuss+ Blackford architecture

ADDENDUM

3 July 2018

LRCCD Sacramento City College Mohr Hall Replacement Building
Los Rios Community College District
LRCCD Bid No: 18025

DSA App#: 02-116163
DSA File No: 34-C3

DBA Project #B5017.00

NOTICE TO ALL BIDDERS

Addendum No: 3

The following revisions shall be incorporated into the contract documents for subject project. Any workmanship and/or materials involved shall be as set forth in the original drawings and specifications unless otherwise indicated herein. Bidder shall acknowledge receipt of this Addendum on the Bid Form.

Drawings: 18 sheets, and (3) Existing Lillard Hall drawings, IAPMO UES Evaluation Report 510, IAPMO UES Evaluation Report 444, DSA Form 143 for Addendum 3

Specifications: 30 pages

Description of Change(s):

Line item #		
1.1		RFI responses
1.2		DSA Form 143 for Addendum 3
2		Existing Lillard Hall drawing provided to bidders. In response to bidding RFI
3		IAPMO UES Evaluation Report 510 and 444. Reference material for detail callouts 2/A8.30, 1/A8.31, 2/A8.31
4	C6.0	New POC for new rainwater leader and revised POC for existing RWL lines. Remove and replace sheet
5	A2.01	Rainwater leader added to column near gridlines D and 1. Brake shape added to column near gridlines D and 1 and at column near gridlines E and 1.
6	A2.01	Note revised at Rainwater leader at entry canopy to reference P2.1
7	A2.02	Note added to rain water leader near gridlines 8 and A.8

8	A2.50	One detail reference added / revised at window jambs A21b middle, A22b middle, A23b middle
9	A2.53	VCT flooring product discontinued - Manufacturer revised
10	A8.21	Dtl.12 -Exterior Storefront jamb - at steel column - revised DTL., rainwater leader added. Detail is pending review with DSA, no revisions are expected.
11	A8.30	Dtl.2 - roof type C revised. Detail is pending review with DSA, no revisions are expected. Detail is pending review with DSA, no revisions are expected.
12	A8.31	Dtl.1 - Fascia mansard gutter revised. Detail is pending review with DSA, no revisions are expected.
13	A8.31	Dtl.2 - revised. Detail is pending review with DSA, no revisions are expected.
14	A8.31	Dtl.7 – revised. Detail is pending review with DSA, no revisions are expected.
15	A8.31	Dtl.14 - Revised - (not used). Detail is pending review with DSA, no revisions are expected.
16	1/M1.1	Note added to clarify conduit running from equipment yard to building. Response to bidding RFI
17	P2.1, P2.2, P2.3	Revised RWL lines. Remove and replace sheets
18	1/P4.1	Note added to clarify water meter tied into BMS system. Response to bidding RFI
19	E1.01	ADDITIONAL INFORMATION, SHEET REVISIONS NOT PROVIDED: 1. Monument Sign: Provide power and data to existing Monument sign located near SW corner of new building. a. Power: Provide 20A/2-pole breaker at Panel L1B, and 3-#10 & #10G. in 1"C. to the existing power pullbox near the monument sign, and splice with existing branch circuit wiring to the sign. b. Data: Provide outdoor rated CAT 6E cable from IDF room to existing telecom pullbox near the monument sign, and extend signal connection to the sign.
20	C/E1.01	ADDITIONAL INFORMATION, SHEET REVISIONS NOT PROVIDED: 1. Spare Conduits: a. Provide 2-2"MTC. from Dist. Panel #5 to an N16 pull box east of the equipment enclosure per the sketch below.

		b. Provide 1-3"MTC. in addition to the "6004" feeder between MSB#5 and HDP1A; stub this spare conduit up next to HDP1A, not into the equipment enclosure. Note that the (3) feeders from Dist. Panel #5 to Panels C, E/E1, and MCC-2 would eventually be disconnected, and re-used as the main power feeder to a new Lillard Hall Building, fed from MSB #5. The conductors would be pulled through the spare 4" conduits from MSB #5 shown on A/E7.01. Ensure that these conductors have enough slack so that they can be disconnected from Dist. Panel #5, and pulled to MSB #5 at a later date.
21	E6.01	Note added to clarify connection to temperature control for BMS. In response to bidding RFI. Remove and replace sheet
22	E7.02	ADDITIONAL INFORMATION, SHEET REVISIONS NOT PROVIDED: 1. Detail D Intrusion/Access Control Single Line Diagram a. Change all power supply cable from C-4 to C-7. b. Change dedicated circuit from electrical panel from C-7 to 120V/20A c. Each motion detector requires 4 ea. 16 gauge wires. Add a second C-4 to each motion detector or provide a 4 wire/16 gauge cable, Honeywell 2122 (CMR) or 3122 (CMP) as required.

SPECIFICATIONS

23	Table of contents Vol. 1 and Vol. 2	Re-published table of contents to include all items in Addendum 1 – revised plans, Addendum 2, and Addendum 3
24	07 32 13	Section 1.02 Add Section D: Provide valid ICC-ESR to comply with DSA IR 15-2.
25	07 32 13	Section 1.03,C Add CBC section 1513. Remove and replace entire section.
26	07 32 13	Section 2.01,A Added "Or Approved equal"
27	07 32 13	Section 2.01,B,2 Revised reference for CBC section 1513.1
28	07 32 13	Section 2.01,B,8 revised wind locks to include approved manufacturer
29	07 32 13	Response to RFI. Section 2.01,10 struck out.
30	07 32 13	Section 3.02,D revised.
31	22 13 13	Section 3.9 added per district request. Remove and replace entire section
32	33 41 00	Section 3.11 revised and Section 3.12 added per district request. Remove and replace entire section

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Addendum 3 – Bidding RFI responses

LRCCD Sacramento City College Mohr Hall Replacement Building
Los Rios Community College District
DSA App #: 02-116163
DSA File No: 34-C3

DBA Project #B5017.00

Question: Page E6.01 Detail A does not appear to require Division 26 to provide 120V for BMCS Temperature Control Panel – please consider revising the detail A to add the 120V TCP requirement.

Answer: Provide 120V circuit L1B-13 and hardwired connection to Temperature Control Panel located in room M131. Provide four network drops from M219 to the TCP. Coordinate requirements with the controls contractor. See revised electrical drawing E6.01.

Page M1.1: TCWP1, TCHWP2, THWP1, and THWP2 require controls communication wiring run from the Equipment Enclosure (located at the Mohr Hall parking lot) to Lillard Hall. Please confirm if the Building Management Controls System provider may utilize the plumbing trench shown on M1.1 to run (1) 1" BMCS low voltage conduit? If yes – please consider adding a note to page M1.1 "Coordinate trench backfill with BMCS provider.

Answer: Controls contractor can run their conduit adjacent to the hydronic trench. See revision on 1/M1.1

Recent LRCCD projects required incorporation of building Water and Gas Meters into the BMCS (e.g. Davis Center Phase II and ARC STEM). The bid drawings for this project do not appear to have this requirement – please confirm.

Answer: On the incoming 2-1/2" domestic cold water line, provide Onicon series F3000 meter with carbon steel outer body, 304 stainless steel internal flow tube and class 150 flanges. Install per manufacturer's requirements. Tie into BMS control system. There is no gas in the Mohr Hall replacement building. See plan revision note on 1/P4.1

Answer: (See responses below each question)

Response By: The Engineering Enterprise and Capital Engineering

Question: The specs the details and the sheet notes for the tile roofing are all different, one calls out SS Tye wire system, the detail show a vertical wood nailer under each tile and the spec calls out a batten system. I would think the SS Tye Wire system would make more sense.

Answer: See revised details 2/A8.30; 1,2,14/A8.31 and spec section 07 32 13. Wood batten system should be used.

Response By: Dreyfuss + Blackford

Dreyfuss+ Blackford architecture

Question: Is there target date for the Notice to proceed. Just looking for estimated start and completion dates. I'm did see the 540 build days in the Div 1 Contract Schedule 01 32 16.

Answer: **The schedule will be arranged between LRCCD Project Manager and Awarded Contractor**

Response By: Los Rios Community College District

Question: I am working on a quote for the plumbing and pipe and have been unable to locate a fixture schedule for the plumbing. The lab sinks also note to refer to "LF plans". There does not appear to be any information on them either. Am I missing it or are they not included in the bid package at this time?

Answer: **Plumbing fixture is on P.02. Also see spec section 22 40 00**
Sink schedule for lab is on LF101. Also see spec section 11 53 43, 2.05

Response By: Dreyfuss + Blackford

Question: Drawing E1.01 sheet note 17 states to back pull existing cabling feeding Lillard Hall.

1. Who is responsible for this work?
Answer: **This work is part of the infrastructure scope and should be included in your base bid**

2. Where in Lillard Hall is the IC1.1 located?
Answer: **The Telecom room is marked in the attached floor Plans. The site plan shows the approximate location of the pathway between Mohr & Lillard Halls.**
The plan shows that Lillard Hall is fed from the north.
See existing Lillard Hall drawings distributed to bidders.

3. What is the distance from (E)MH56 to IC1.1?
Answer: **Approximately 150 feet**

4. What are the quantities and type of cables to be rerouted?
Answer: **12 strand MMF, 12 strand SMF, AMFW-100 pair copper**

5. Who is responsible for reconnection in Lillard Hall IC1.1?
Answer: **This work is part of the infrastructure scope and should be included in your base bid**

6. Where does the responsibility / liability lay if the cables are not long enough to reach the IC1.1 through the new conduit path?
Answer: **Contractor shall back pull the fiber cable to MH55 and pull it back to MH56. New 12MMF OM3, 12SMF is required from MH56 to IC1.1. Fusion splice new fiber to existing fiber at MH 56 and terminate with SC connectors at IC1.1. Provide splice modules and cases as required.**
-Provide new ANMW 100 pair cable from MH55 to MH56. Splice cable to same cable pairs as existing in existing splice cases.

7. What is the contingency plan if the cables are too short?
Answer: **See answer above**

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8. Is this work to be conducted during normal construction hours?
Answer: See Section 01 11 00 summary of work of the specifications. See Addendum 2 for revised spec. summary of work for shutdowns at Lillard Hall.

Answer: **(See responses below each question)**

Response By: The Engineering Enterprise, Dreyfuss + Blackford, and Los Rios Community College District

Question: We're interested in providing low-voltage and audio-video solutions for the subject solicitation. Our trade usually gets rolled up into the Electrical or Electrician bid-response to the General Contractors. Would you please let us know if there's a list of SCC pre-approved Electricians or a list of Electricians you use to support your colleges?

Answer: **LRCCD does not pre-qualify contractors for Capital Improvement Projects**

Response By: Los Rios Community College District

Question: I have discovered that the flooring spec'd for the SACRAMENTO CITY COLLEGE Mohr Hall Replacement project has been discontinued. 97% of the flooring for this project, approximately 20,000 sq.ft, was to be Vinyl Composite Tile made by Mannington Commercial. Mannington stopped making V.C.T tile about 4 years ago. They do not have any left over. Do you know if a replacement product has been selected?

Answer: **VCT flooring product discontinued - Manufacturer revised. See revision to sheet A2.53**

Response By: Dreyfuss + Blackford

Question: Question on one of the answers in Addendum 2
Sheet 2 of 3
Part 2 Products
a. 2.2 A ii
Answer : The microphones will be part of the ALS system.
We read this as meaning the microphones are in the future and not part of this bid, since it says "will be part of" rather than "are part of".

If microphones are to be included in the bid, the Engineer needs to call out exactly what needs to be provided.

Answer: **All portable ALS systems require boundary microphones in this bid per 2.2.B.4.**

Response By: The Engineering Enterprise

DSA **143**

ADDENDUM, CONSTRUCTION CHANGE DOCUMENTS, DRAWING, DEFERRED APPROVAL WORKSHEET AND TRANSMITTAL MEMO

Project Name/School: Sacramento City College (Los Rios CCD)		DSA File #: 34	- C3
☐ Change Order #:	☒ Addendum #: 3 (Sub 1)	DSA App. 02	- 116163
☐ Deferred Approval:	☐		

1. MATERIALS RECEIVED:

A. Master:	
B. Copies:	
C. Print(s) each:	of sheet(s) #(s):
D. Transmittal Letter:	☐ Check Set Discarded
Approved Materials: Addendum #3	

2. DIRECTIONS FOR DSA STAFF:

☑ Send To: Dreyfuss + Blackford	☐ Fax/Scan:
☑ File:	☑ Copy for File Needed:

Please send file to individual listed below:

Name: Courtney McLeod-Golden	☐ Architect ☐ Structural Engineer		
Address: 3540 Folsom Boulevard	City: Sacramento	CA	Zip Code: 95816
Items Sent:			
Fax Sent To:	Fax #:		
Company:	Senders Name:		
Phone #:	# of Pages Faxed:		
Date Sent: 7/6/18	Sender's Initials:	☐ U.S. Mail ☐ FedEx ☒ Hand Deliver	

3. REMAINING REQUIREMENTS: ***Please check boxes below that apply.***

☑ None	Remarks: Call for Pickup Chris 530-867-6611
☐ Additional Information	
☐ Construction Change Documents	
☐ Corrections – *Please return the following items with this transmittal memo:* 1) The complete, intact, marked-up review set. 2) One copy and one original of the corrected submittal. 3) Calculations, drawings, and any other requested information. 4) Drawings bearing approval stamps (to avoid re-review).	

NOTES FOR DSA STAFF 7/2/18	DSA APPROVAL STAMP
SSS J Sangha Date 7-5-18 Approved/Disapproved/Not Required	APPROVED DIV. OF THE STATE ARCHITECT SACRAMENTO REGIONAL OFFICE
FLS G Cobabe Date — Approved/Disapproved/Not Required	AC — F/LS — SS
ACS T Markes Date — Approved/Disapproved/Not Required	APP. # 02 116163 DATE 7-5-18
☐ **SCOPE INCREASE** – *DSA Staff to Issue New First Approval Letter*	

LRCCD Sacramento City College Mohr Hall Replacement Building

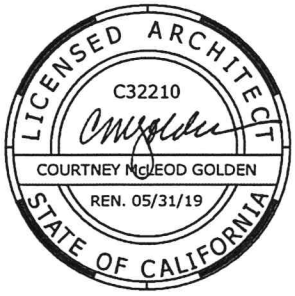
Dreyfuss + Blackford Architecture

DSA Project # 02-116163

File No. 34-C3

Submitted:

(1) Addendum 3 –Small format sheets of revisions to drawings
(1) Addendum 3 –Revisions to spec section 07 32 13



APPROVED
DIV. OF THE STATE ARCHITECT
SACRAMENTO REGIONAL OFFICE
AC — F/LS — SS
APP. # 02-116163 DATE 7-5-18

GLADDING, McBEAN
DIVISION OF PABCO BUILDING PRODUCTS, LLC

GLADDING, McBEAN CLAY ROOFING TILE

CSI Section:
07 32 13 Clay Roof Tiles

1.0 RECOGNITION

The Gladding, McBean clay roofing tiles recognized in this report have been evaluated for weather resistance, wind uplift resistance and fire classification and found to comply with IBC Chapter 15 and IRC Chapter 9 for use as a component in a Class A, B or C roof covering. The following code editions are recognized:

- 2015, 2012, 2009, 2006 International Building Code® (IBC)
- 2015, 2012, 2009, 2006 International Residential Code® (IRC)

2.0 LIMITATIONS

2.1 The roof tiles shall be manufactured, identified and installed in accordance with this report, the applicable code and the Roof Tile Installation Manual. In the event of a conflict this report governs.

2.2 Gladding, McBean's "clay roof tile shall be installed on roof slopes of 2½ units vertical in 12 units horizontal (21-percent slope) or greater." IBC Section 1507.3.2 and IRC Section R95.3.2, as applicable.

2.3 The supporting structure shall be designed to support the loads and is beyond the scope of this report.

3.0 PRODUCT USE

3.1 General: Gladding, McBean's clay roof tiles recognized in this report are identified in Table 2 and Figures 1 through 5 of this report.

These tiles and their accessory trim pieces:

- Satisfy the requirements of ASTM C1167;
- Provide a Class A Fire Classification when tested on combustible decks in accordance with ASTM E108.

3.2 Anchoring: Gladding, McBean's clay roof tiles can be anchored by fasteners complying with Section 1507.3.6 of the IBC or R905.3.6 of the IRC, as applicable.

3.3 Wind uplift resistance is addressed in Section 4 of this report.

4.0 PRODUCT DESCRIPTION

4.1 General: Gladding, McBean's roof tile installation shall be in accordance with the applicable code, the Concrete and Clay Roof Tile Installation Manual for Moderate Climate Regions, dated July 2015, published by the Tile Roofing Institute and the Western States Roofing Contractors Association, and this report. In the event of a conflict, provisions of this report govern. The TRI manual is available for download attached to ER-2015 from the UES website at www.uniform-es.org.

4.2 Attachment: Tile shall be attached to the roof structure based on the applicable code as noted in Table 1 of this report:

Table 1 – Attachment Design

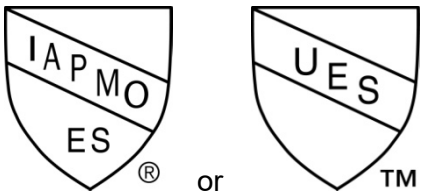
Applicable Code	Criteria for Applicability	Design Information Location
2015 or 2012 IBC	Ultimate Design Wind Speeds (V_{ult}) ≤ 130 MPH and Mean Roof Height ≤ 60 feet	Roof Tile Installation Manual & Table 1507.3.7 of the IBC
2009 or 2006 IBC	Basic Wind Speed (3 sec gust) ≤ 100 mph and Mean Roof Height ≤ 60 feet	
2015, 2012, 2009 or 2006 IRC	Mean Roof Height ≤ 40 feet	Roof Tile Installation Manual & Section R905.3.7

4.3 Fire Classification: Gladding, McBean's roof tiles, installed in accordance with this evaluation report, are Class A fire-retardant roof coverings in accordance with Section 1505.2 of the IBC and Section R902.1 of the IRC, as applicable.

4.4 Reroofing Applications: Reroofing applications shall follow the requirements of the Concrete and Clay Roof Tile Installation Manual for Moderate Climate Regions. In addition, Section 1511 of the 2015 IBC, Section 1510 of the 2012, 2009 and 2006 IBC or Section R908 of the 2015 IRC, Section R907 of the 2012, 2009 and 2006 IRC, as applicable shall be met.

5.0 IDENTIFICATION

Shipping pallets are identified with the report holder's name (Gladding, McBean), manufacturing address, product name, installed weight, approved inspection agency, the UES Mark of conformity and evaluation report number (ER-510). Either UES Mark of Conformity may be used as shown below:



IAPMO ER-510

6.0 SUBSTANTIATING DATA

Data in accordance with ICC-ES AC180, dated February 2012 (editorially revised April 2015), manufacturer's descriptive literature and installation instructions. Test results are from laboratories in compliance with ISO/IEC 17025.

Gladding, McBean's clay roof tiles are manufactured in Lincoln, California under a quality control program.

7.0 CONTACT INFORMATION

Gladding, McBean,
Division of PABCO Building Products, LLC
601 7th Street
Lincoln, CA 95648
www.gladdingmcbean.com

8.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research carried out by IAPMO Uniform Evaluation Service on Gladding, McBean's clay roof tiles to assess its conformance to the codes and standards shown in Section 1.0 of this report and documents the product's certification.

Brian Gerber, P.E., S.E.
Vice President, Technical Operations
Uniform Evaluation Service

Richard Beck, PE, CBO, MCP
Vice President, Uniform Evaluation Service

GP Russ Chaney
CEO, The IAPMO Group

For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org

Table 2 – Gladding, McBean Clay Roof Tiles										
Tile		**See Figure No's.**	**Installed Dry Weight** (psf)	**Center-to-Center Spacing** (inch)	**Head Lap** (inch)	**Dimensions** (inch)				**Tile Type/Grade [1]**
						Length	**Width**	**Thickness**	**Height**	
Cordova [2]		1	10.3	11.5	3	18	8	½	$2\frac{5}{8}$	Type I-High Profile/ Grade 1
Lincoln Interlocking		2	9.2	8.8	3	14	9	½	1¼	Type III-Flat Profile/ Grade 1
Placer Interlocking		3	11.2	9.8	3	15	10	¾	-	Type III – Flat Profile/ Grade 1
Italian [3]		4	10.4 [3]	19.0 [3]	4	18	12	⅝	2.0	Type III-Flat Profile/ Grade 1
Cotswold Shingles	6.5	5	8.9 to 11.4	Varies	Random, generally 8 inches	14	6.5	⅝	-	Type III-Flat Profile/ Grade 1
	7.25					14	7.25		-	Type III-Flat Profile/ Grade 1
	8.5					14	8.5		-	Type III-Flat Profile/ Grade 1
	9					14	9.0		-	Type III-Flat Profile/ Grade 1

For **SI:** 1 inch = 25.4 mm, 1 psf = 4.88 kg/m^2

[1] Tile type and grade are based on ASTM C1167.

[2] Alternative: center-to-center spacing 10.75" o.c. with 4" head lap and an installed dry weight of 11.3 psf.

[3] See Figure 4 for installed weights and coverage when combined with other tile covers or pans.

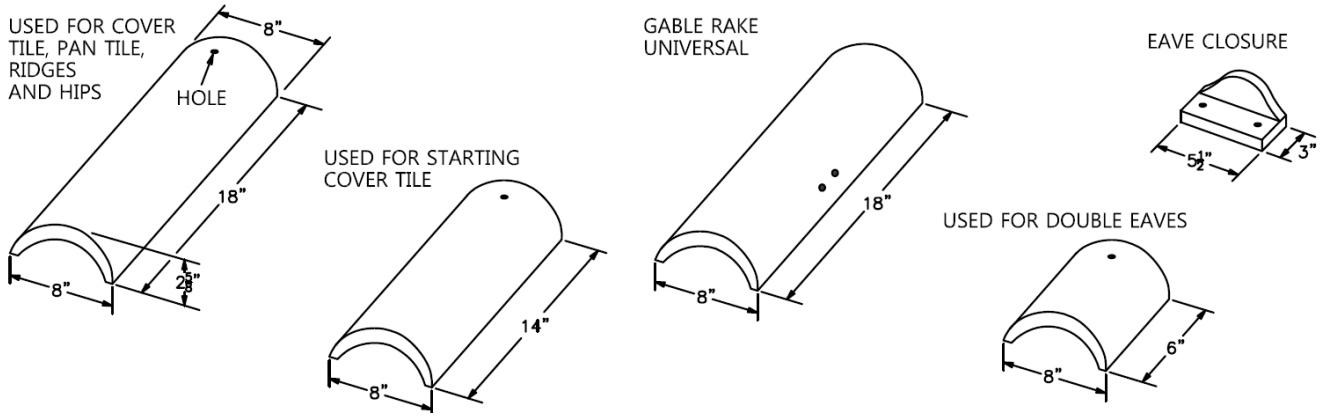
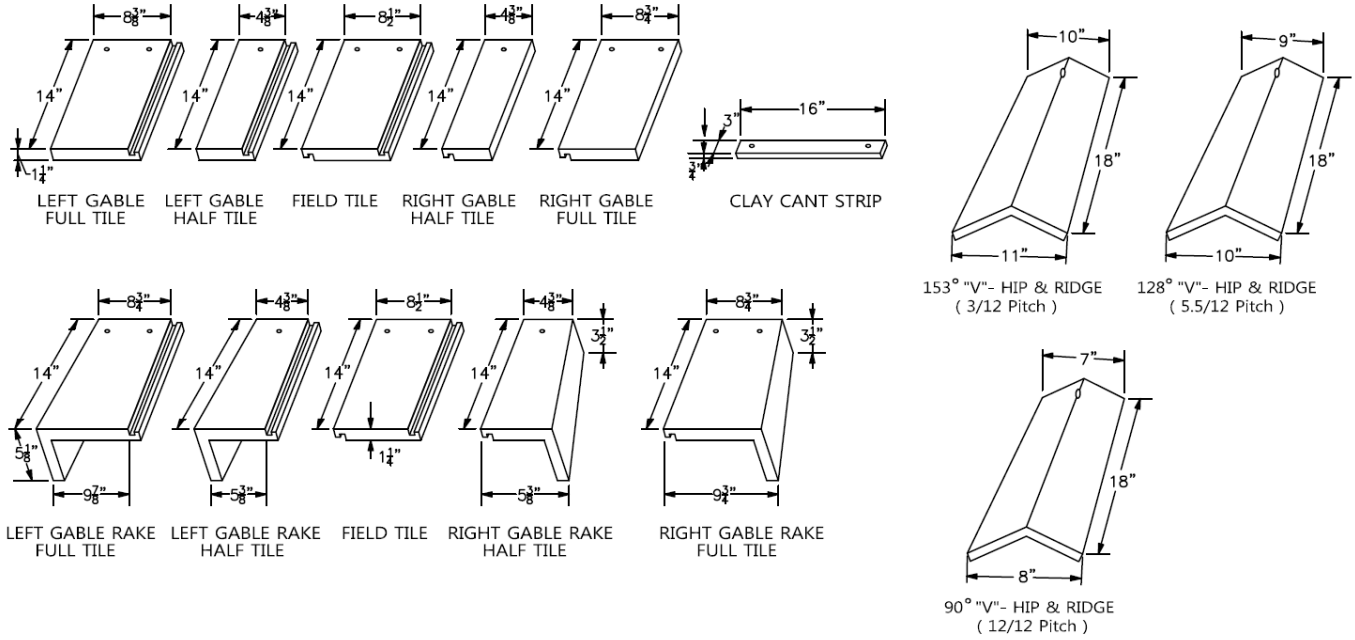


FIGURE 1 – CORDOVA CLAY ROOF TILE



"V" – Tile Hip & Ridge

Angel	Roof Pitch
153°	……. 3/12
128°	……. 5½/12
90°	……. 12/12

FIGURE 2 – LINCOLN INTERLOCKING CLAY ROOF TILE

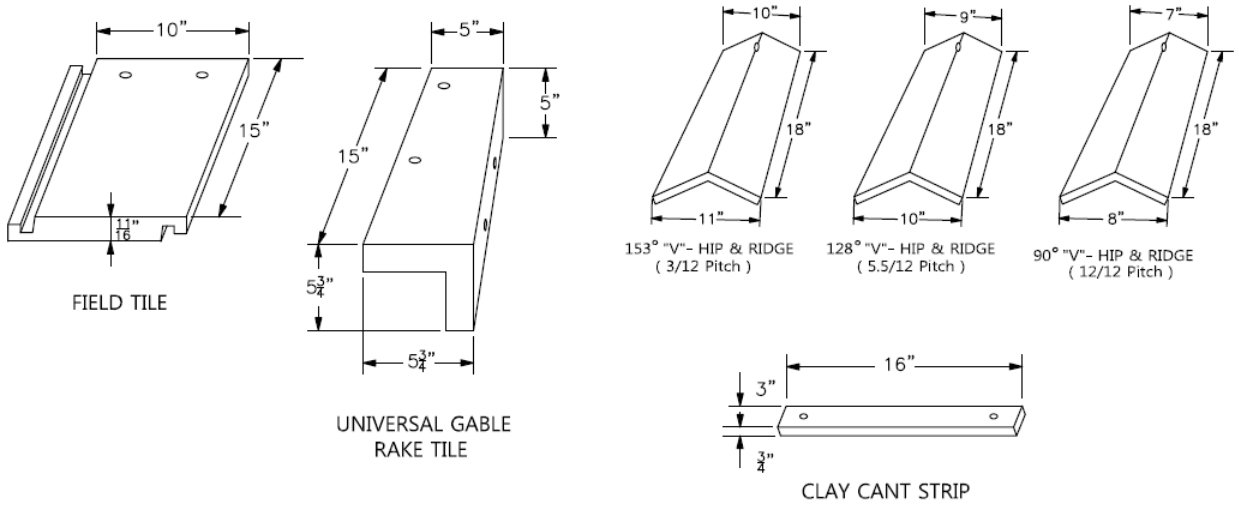


FIGURE 3 – PLACER INTERLOCKING CLAY ROOF TILE

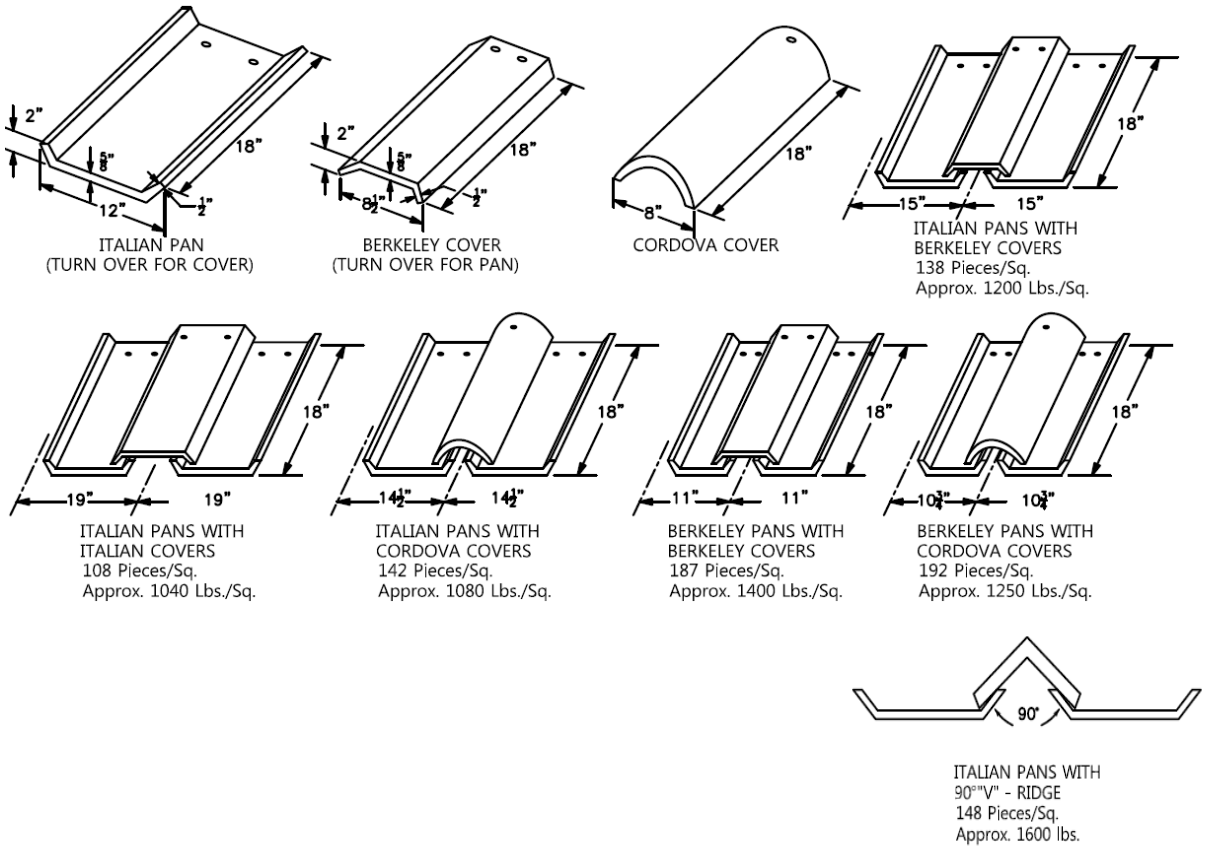


FIGURE 4 – ITALIAN CLAY ROOF TILE

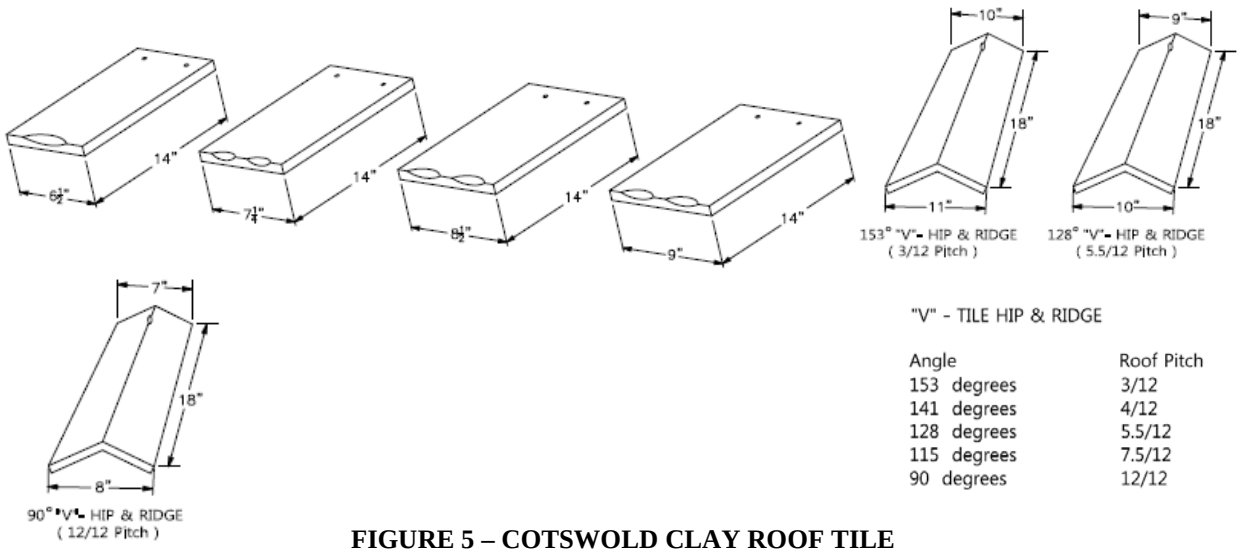


FIGURE 5 – COTSWOLD CLAY ROOF TILE

FRANCES FASTENERS INC.
dba STORM-LOCK TILE FASTENERS

STORM-LOCK TYLE-TYE® and RINESS® TILE-TIE ROOF TILE FASTENERS AND FASTENING SYSTEMS FOR CLAY AND CONCRETE ROOFING TILES

CSI Section: 07 32 01 Roof Tile Accessories

1.0 RECOGNITION

The Storm-Lock roof tile fasteners and roof tile fastening systems recognized in this report have been evaluated for physical components and structural capacity and found to be in compliance with IBC Chapter 15 and IRC Chapter 9 for use as fasteners for attachment of clay and concrete roof tiles. The following code editions and standards are recognized:

- 2015, 2012 and 2009 International Building Code® (IBC)
- 2015, 2012 and 2009 International Residential Code® (IRC)
- ICC-ES AC65

2.0 LIMITATIONS

2.1 The Storm-Lock roof tile fasteners shall be manufactured, identified and installed in accordance with this report and the applicable code. In the event of a conflict this report governs.

2.2 Use of the Storm-Lock roof tile fasteners and roof tile fastening systems is limited to roof slopes of not less than 2½ units vertical in 12 units horizontal (21-percent slope) and not more than 24 units vertical in 12 units horizontal (200-percent slope).

2.3 Calculations verifying allowable capacities for the Storm-Lock roof tile fasteners and roof tile fastening systems, as applicable, shall be submitted to the authority having jurisdiction (AHJ). The calculations shall be prepared by a registered design professional where required.

3.0 PRODUCT USE

3.1 General: Storm-Lock roof tile fasteners and roof tile fastening systems recognized in this report are identified in Tables 1 and 2 of this report. The fasteners are satisfactory alternatives to the clay and concrete tile attachments shown in Table 1507.3.7 of the IBC.

Storm-Lock roof tile fasteners and roof tile fastening systems shall be installed over solid sheathing or spaced structural sheathing boards in accordance with Section 1507.3.1 of the IBC. Plywood or OSB sheathing shall be minimum ½ inch (12.7 mm) thick exterior-grade or Exposure 1 complying with DOC PS-1 or DOC PS-2, as applicable. Concrete decks shall have a minimum 28-day compressive strength of 2,500 psi (17.2 MPa). Steel decks shall be minimum 24 gage [0.0239 inch (0.61 mm)] thick steel complying with ASTM A653 SS, Grade 33. Foam plastic used as above-deck thermal insulation must comply with Section 1508 of the IBC or Section R906 of the IRC, as applicable.

Clay and concrete roof tiles shall comply with Section 1507.3 of the IBC or Section R905.3 of the IRC, as applicable, and be recognized in a current and valid code evaluation report.

3.2 Design: Design and installation of the fastening system shall be based on the roof tile, slope, decking, and roof design. Design loads shall be determined for each project and shall not exceed the allowable loads shown in Table 2 in this report. The Storm-Lock roof tile fasteners and roof tile fastening systems are corrosion resistant, in accordance with Section 1507.3.6 of the IBC and Section R905.3.6 of the IRC, and must be used with similar materials to prevent galvanic reaction.

3.3 Installation: Installation of the Storm-Lock Tyle-Tye® and Riness® Tile-Tie fastening systems shall be in accordance with the manufacturer's installation instructions.

4.0 PRODUCT DESCRIPTION

4.1 General: The Storm-Lock roof tile fasteners and roof tile fastening systems consist of wire ties and metal straps of materials, thicknesses, and physical characteristics as shown in Table 1 of this report. See Figure 1 of this report for typical fastener and system configurations.

5.0 IDENTIFICATION

Packages of the Storm-Lock roof tile fasteners are labeled with the name: Frances Fasteners dba Storm-Lock Fasteners; address; fastener type; material designation; and evaluation report number (ER-444). Either UES Mark of Conformity may be used as shown below:

IAPMO ES® or UES™

IAPMO ER #444

6.0 SUBSTANTIATING DATA

Data in accordance with the ICC-ES Acceptance Criteria for Concrete and Clay Roof Tile Fasteners - AC65, dated June 1991 (editorially revised July 2015), manufacturer's descriptive literature and installation instructions. Test results are from laboratories in compliance with ISO/IEC 17025.

7.0 CONTACT INFORMATION

Frances Fasteners Inc.,
dba Storm-Lock Tile Fasteners
5180 Western Way
Perris, CA 92571
www.storm-locktilefasteners.com/

8.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research carried out by IAPMO Uniform Evaluation Service on Storm-Lock Tile Fasteners' Storm-Lock Tyle-Tye® and Riness® Tile-Tie roof tile fasteners and fastening systems for clay and concrete roofing tiles to assess its conformance to the codes and standards shown in Section 1.0 of this report and documents the product's certification.

Brian Gerber, P.E., S.E.
Vice President, Technical Operations
Uniform Evaluation Service

Richard Beck, PE, CBO, MCP
Vice President, Uniform Evaluation Service

GP Russ Chaney
CEO, The IAPMO Group

For additional information about this evaluation report please visit www.uniform-es.org or email at info@uniform-es.org

TABLE 1
TYLE-TYE® AND RINESS® PRODUCTS, MATERIALS AND CHARACTERISTICS

Product / Use	Material	Diameter or Thickness (inch)	Allowable Tensile Load (lbf)
Wire Tie Products			
(**SL-UNS**) Tyle-Tye® "U" Nail	Stainless Steel (ASTM A580, Type 302 or 304)	0.135	-
(**SL-TNS**) Tyle-TYe® TileNail		0.105	170
(**SL-TWTS**) Tyle-Tye® Twisted Wire		0.090	303
(**SL-NHS**) Tyle-Tye® Wind Lock Nose Hook			180
(**SL-CNS**) Tyle-Tye® Connector			170
(**SL-SHS**) Tyle-Tye® "S" Hook			170
(**SL-TRS**) Tyle-Tye® Tie Rod			170
(**SL-RS**) Riness® Tile Tie			195
(**SL-TWS**) Tyle-Tye® Tie Wire		0.062	74
(**SL-UNG**) Tyle-Tye® "U" Nail	Galvanized Steel (ASTM A641)	0.135	-
(**SL-TNG**) Tyle-Tye® TileNail		0.120	166
(**SL-NHG**) Tyle-Tye® Wind Lock Nose Hook			166
(**SL-TWTG**) Tyle-Tye® Twisted Wire		0.105	354
(**SL-SHG**) Tyle-Tye® "S" Hook			166
(**SL-RG**) Riness® Tile Tie			175
(**SL-CNG**) Tyle-Tye® Connector			219
(**SL-TRG**) Tyle-Tye® Tie Rod			303
(**SL-TWG**) Tyle-Tye® Tie Wire		0.062	52
(**SL-TNB**) Tyle-Tye® TileNail	Brass (ASTM B134)	0.135	156
(**SL-UNB**) Tyle-Tye® "U" Nail			-
(**SL-TWTB**) Tyle-Tye® Twisted Wire		0.101	133
(**SL-RB**) Riness Tile Tie			177
(**SL-NHB**) Tyle-Tye® Wind Lock Nose Hook			157
(**SL-SHB**) Tyle-Tye® "S" Hook			156
(**SL-TWB**) Tyle-Tye® Tie Wire		0.064	42
(**SL-TWTC**) Tyle-Tye® Twisted Wire	Copper (ASTM B3)	0.101	145
(**SL-TWC**) Tyle-Tye® Tie Wire		0.064	29
Sheet Tie Products			
(**SL-DAS**) Tyle-Tye® Deck Anchor	Stainless Steel (ASTM A240, Type 302 or 304)	0.62 x 0.050	-
(**SL-HCS**) Tyle-Tye® Hurricane Clip		0.50 x 0.050	-
(**RP-3S**) Tyle-Tye® DPA Anchor Plate		3.00 x 0.024	-
(**SL-STS**) Tyle-Tye® Strap		1.00 x 0.024	210
(**SL-DAG**) Tyle-Tye® Deck Anchor	Galvanized Steel (ASTM A653)	0.62 x 0.050	-
(**SL-HCG**) Tyle-Tye® Hurricane Clip		0.50 x 0.050	-
(**SL-STG**) Tyle-Tye® Strap		1.00 x 0.024	244
(**SL-DAB**) Tyle-Tye® Deck Anchor	Brass (ASTM B36)	0.62 x 0.050	-
(**SL-HCB**) Tyle-Tye® Hurricane Clip		0.50 x 0.050	-

For **SI:** 1 inch = 25.4 mm; 1 lbf = 4.448 N

TABLE 2
ALLOWABLE LOAD CAPACITY

System / Component	Deck Fasteners[1]	Connection	Uplift (Vertical) Load (lbf)			Horizontal Load[2] (lbf)		
			Sheathing		Steel or Concrete Deck [5]	Sheathing		Steel or Concrete Deck [5]
			Plywood	OSB		Plywood	OSB	
Tyle-Tye® Hurricane Strap System								
SL-STS; SL-CNS; or SL-TRS	**Nails:** 10 gage stainless steel or 11 gage galvanized	180° bend at strap loop	19	15	-	22	18	-
	Screws: 14 stainless steel or No. 12 galvanized	180° bend at strap loop	20	-	15	28	-	21
		360° bend at strap loop	117	-	88	-	-	108
SL-STG; SL-CNG; or SL-TRG	**Nails:** 10 gage stainless steel or 11 gage galvanized	180° bend at strap loop	24	17	-	38	31	-
	Screws: No 14 stainless steel or No. 12 galvanized	180° bend at strap loop	36	-	27	50	-	37
		360° bend at strap loop	130	-	98	173	-	130
SL-STS and SL-TWS	**Nails:** 10 gage stainless steel or 11 gage galvanized		30	19	-	70	69	-
	Screws: No. 14 stainless steel or No. 12 galvanized		95	-	71	113	-	84
SL-STG; and SL-TWG	**Nails:** 10 gage stainless steel or 11 gage galvanized		23	15	-	40	41	-
	Screws: No. 14 stainless steel or No. 12 galvanized		46	-	35	55	-	41
Tyle-Tye® Twisted Wire System								
SL-TWTS; SL-TWS; and SL-DAS	**Nails:** 2 x 10 gage stainless steel or 2 x 11 gage galvanized		39	42	-	94	96	-
SL-TWTS; SL-TWS; and DPA	**Screws:** double plate with No. 14 stainless or No. 12 galvanized		37	-	36	96	-	87
SL-TWTS; SL-TWS; and SL-DAG	**Nails:** 2 x 10 gage stainless steel or 2 x 11 gage galvanized		30	31	-	43	39	-
SL-TWTS; SL-TWS; and SL-DAB	**Nails:** 2 x 10 gage copper or 2 x 10 gage stainless steel		40	34	-	92	87	-

SL-TWTG; SL-TWG; and SL-DAG	**Nails:** 2 x 10 gage stainless steel or 2 x 11 gage galvanized		49	49	-	63	53	-
SL-TWTG; SL-TWG; and DPA	**Screws:** double plate with No. 14 stainless or 2 x No. 12 galvanized		46	-	46	64	-	64
SL-TWTC; SL-TWC; and SL-DAB	**Nails:** 2 x 10 gage copper		32	28	-	33	34	-
SL-TWTB; SL-TWB; and SL-DAB	**Nails:** 2 x 10 gage copper		18	21	-	49	50	-
Riness® Tile Tie System								
SL-RS; and SL-NHS	**Screws:** double plate (RP-3S) with No. 14 stainless steel or No. 12 galvanized	360° wire bend at double plate	45	41	48	40	45	31
SL-RG; and SL-NHG	**Screws:** double plate (RP-3S) with No. 14 stainless steel or No. 12 galvanized		73	48	67	56	58	47
SL-RS; and SL-NHS	**Nails:** SL-UNS "U" Nail	180° wire bend at double plate	51	26	-	22	28	-
SL-RG; and SL-NHG	**Nails:** SL-UNG "U" Nail		43	39	-	16	25	-
SL-RG; and SL-NHB	**Nails:** SL-UNB "U" Nail		23	20	-	42	35	-
Tyle-Tye® Tile Nail								
SL-TNS Tile Nail			26	10	-	19	16	-
SL-TNG Tile Nail			18	16	-	21	20	-
SL-TNB Tile Nail			34	19	-	10	9	-
Tyle-Tye® Supplemental Connectors								
SL-NHS Wind Lock Nose Hook	**Nails:** 10 gage stainless steel **Screws:** 12 gage galvanized	180° wire bend at connection	12	11	-	-	-	-
SL-NHG Wind Lock Nose Hook	**Nails:** 11 gage galvanized **Screws:** No. 12 galvanized		22	22	-	-	-	-
SL-NHB Wind Lock Nose Hook	**Nails:** 10 gage copper		12	13	-	-	-	-
SL-HCS Hurricane Clip	**Nails:** 2 x 10 gage Stainless steel		15	15	-	-	-	-

	Screws: 2 x No. 12 galvanized							
SL-HCG Hurricane Clip	**Nails:** 2 x 11 gage galvanized		15	15	-	-	-	-
	Screws: 2 x No. 12 galvanized							
SL-HCB Hurricane Clip	**Nails:** 2 x 10 gage copper		6	7	-	-	-	-
SL-SHS "S" Hook	**Nails:** 10 gage stainless steel or 11 gage galvanized		12 [3]	12 [3]	-	-	-	-
SL-SHG "S" Hook	**Nails:** 11 gage galvanized		15 [3]	15 [3]	-	-	-	-
SL-BCS Batten Clip	N/A		20 [4]	20 [4]	-	-	-	-
SL-BCG Batten Clip	N/A		15 [4]	15 [4]	-	-	-	-

For **SI:** 1 lbf = 4.448 N

[1] Nails must be ring shank nails complying with ASTM F1667. Screws shall be recognize in a current and valid code evaluation report. Fasteners shall be long enough to penetrate a minimum of ½-inch through substrate.

[2] Direction of horizontal load is parallel to roof slope.

[3] With clay or concrete tile.

[4] 1" x 3" douglas-fir battens

[5] Insulated steel decks shall be minimum 24 gage ASTM A611 Grade C or ASTM A653 Grade 33 with polyisocyanurate insulation complying with ASTM C1289 or better.

FIGURE 1

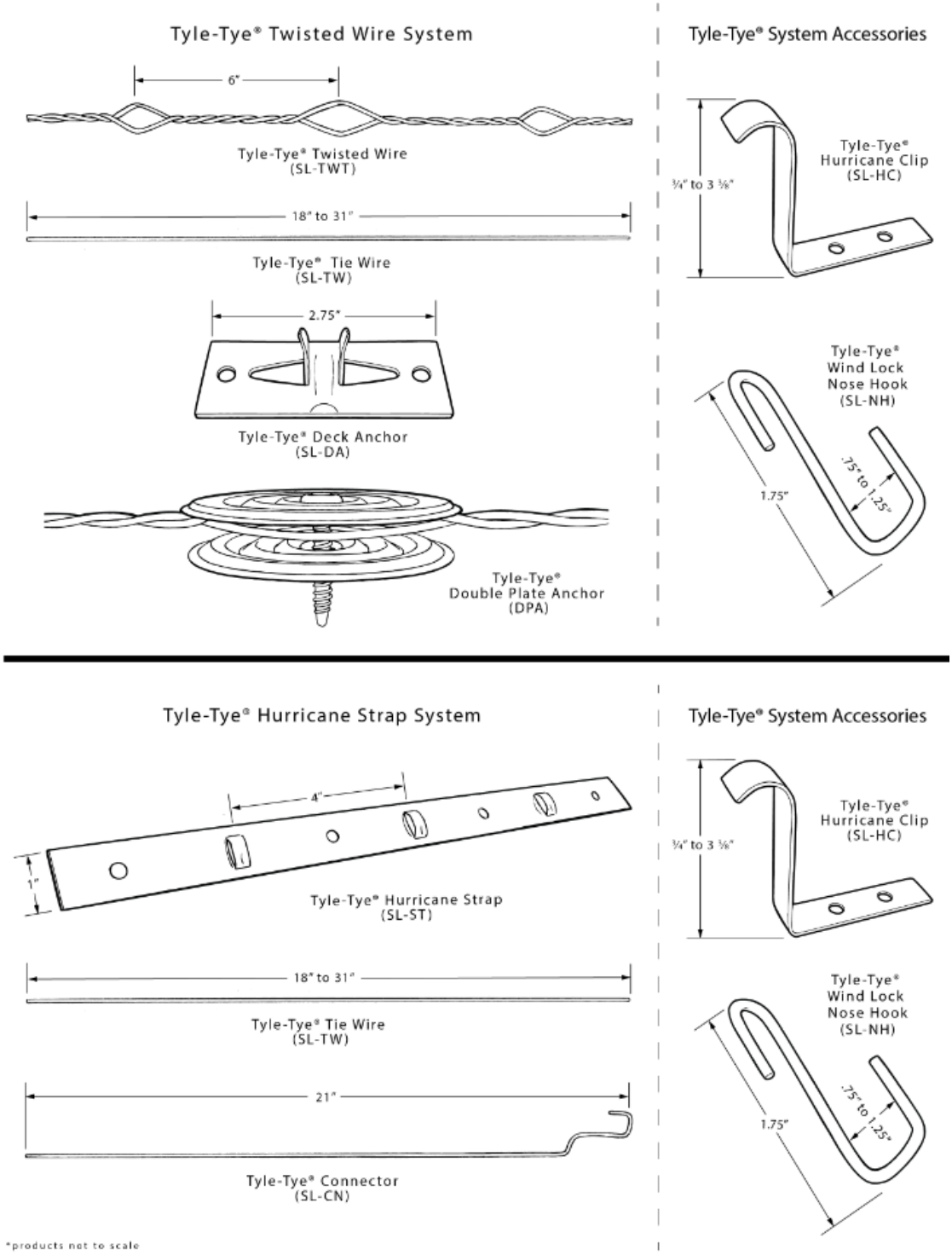
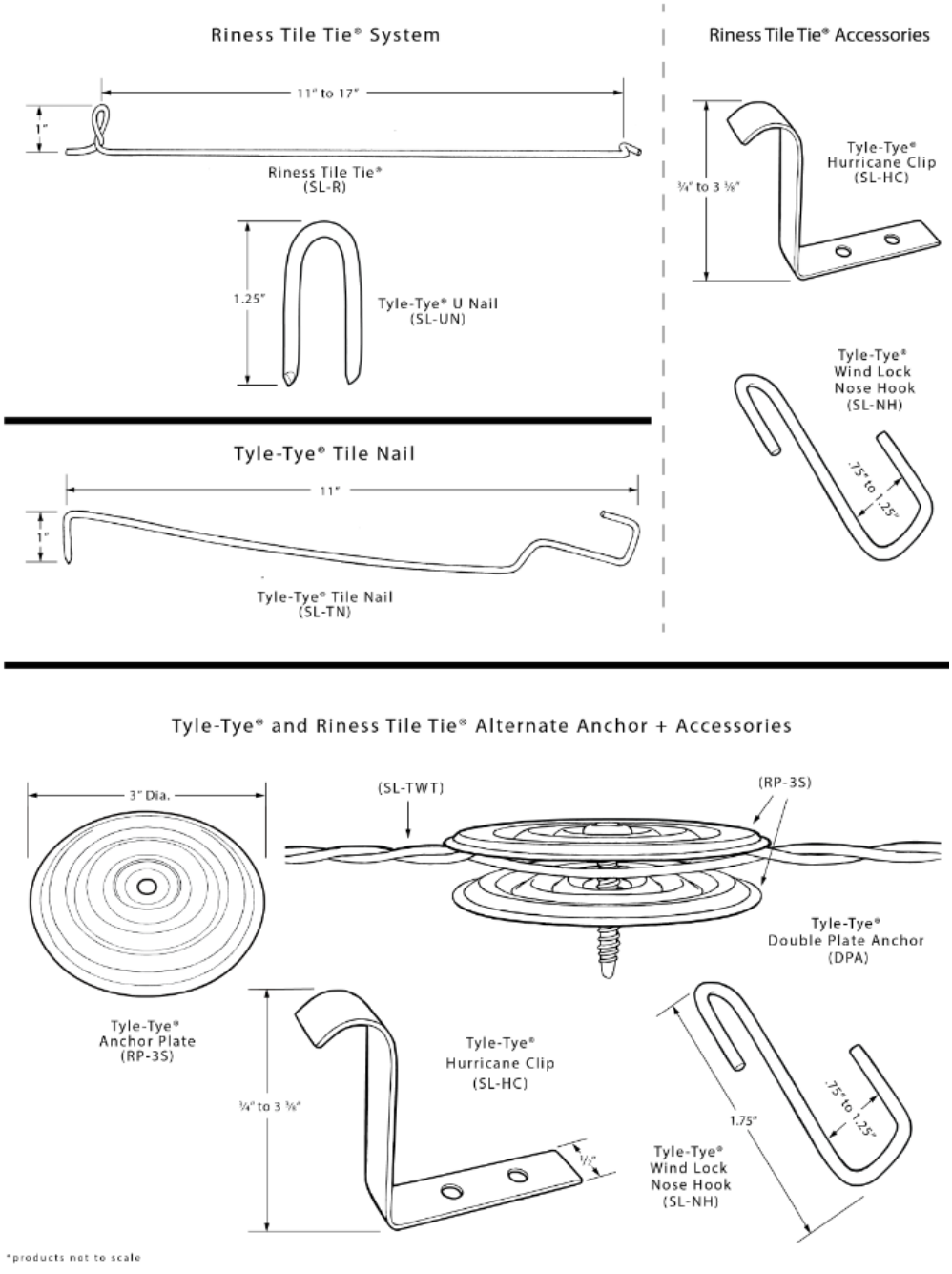
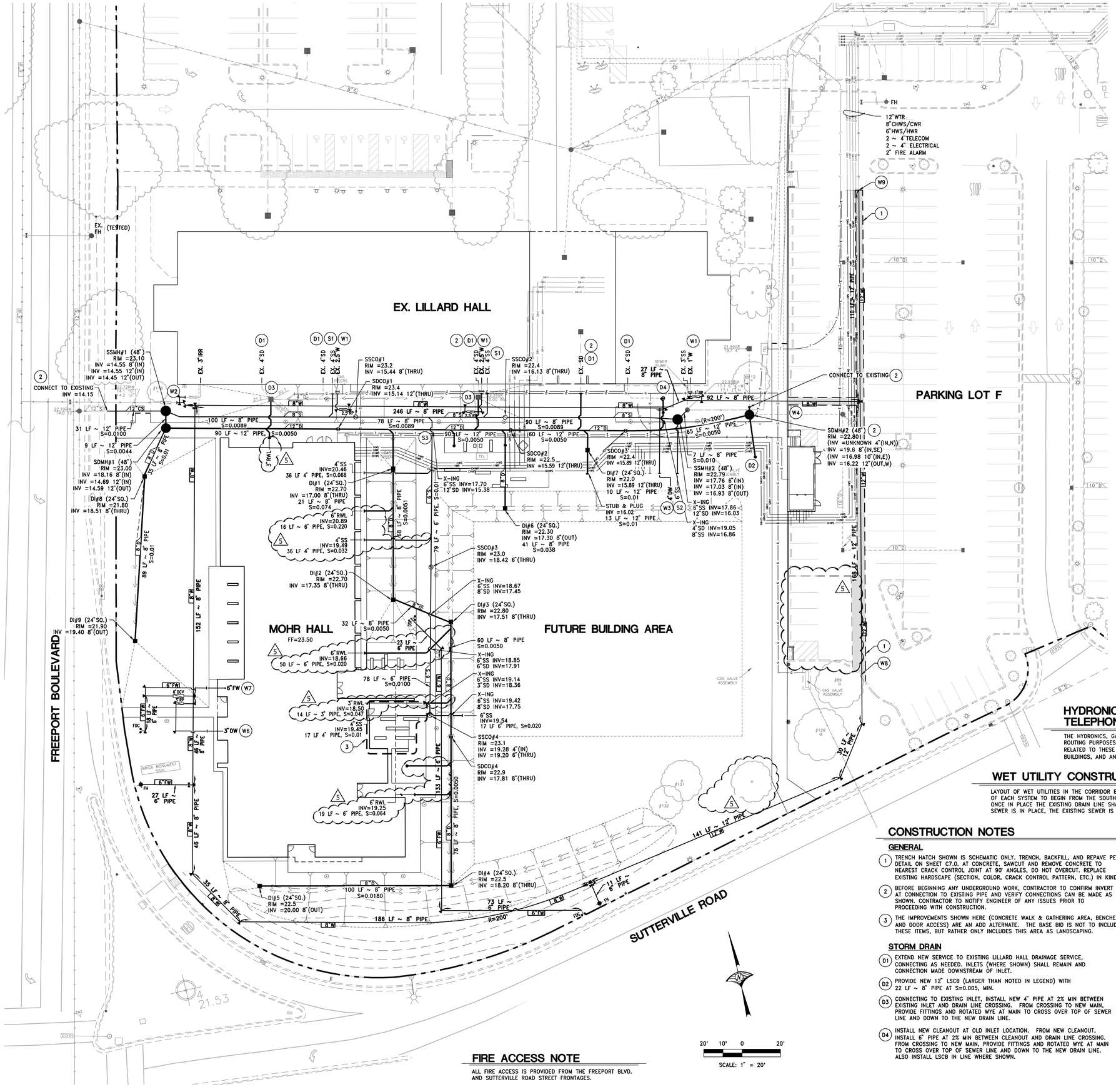

Tyle-Tye® Twisted Wire System
6"
Tyle-Tye® Twisted Wire
(SL-TWT)
18" to 31"
Tyle-Tye® Tie Wire
(SL-TW)
2.75"
Tyle-Tye® Deck Anchor
(SL-DA)
Tyle-Tye®
Double Plate Anchor
(DPA)
Tyle-Tye® System Accessories
¾" to 3 ⅛"
Tyle-Tye®
Hurricane Clip
(SL-HC)
Tyle-Tye®
Wind Lock
Nose Hook
(SL-NH)
1.75"
.75" to 1.25"
Tyle-Tye® Hurricane Strap System
4"
1"
Tyle-Tye® Hurricane Strap
(SL-ST)
18" to 31"
Tyle-Tye® Tie Wire
(SL-TW)
21"
Tyle-Tye® Connector
(SL-CN)
Tyle-Tye® System Accessories
¾" to 3 ⅛"
Tyle-Tye®
Hurricane Clip
(SL-HC)
Tyle-Tye®
Wind Lock
Nose Hook
(SL-NH)
1.75"
.75" to 1.25"
*products not to scale

FIGURE 1 CONT.





20' 10' 0 20'

SCALE: 1" = 20'

FIRE ACCESS NOTE

ALL FIRE ACCESS IS PROVIDED FROM THE FREEPORT BLVD. AND SUTTERVILLE ROAD STREET FRONTAGES.

LEGEND

- STORM DRAIN LINE (12"D)
- DROP INLET (SIZE) (SEE DETAIL ON SHEET C7.0) (DI (XX"SQ.))
- LANDSCAPE CATCH BASIN INSTALL NDS OR EQUAL 8" DIAMETER DRAIN (FLAT GRATE IN DG, BEEHIVE GRATE IN BARK AREAS) W/ 6" PIPE SLOPED AT 2%, MIN.
- STORM DRAIN CLEAN-OUT (SEE DETAIL ON SHEET C7.0) (SDCO)
- STORM DRAIN MANHOLE (SEE DETAIL ON SHEET C7.0) (SDMH)
- SANITARY SEWER LINE (6"S)
- SANITARY SEWER MANHOLE (SEE DETAIL ON SHEET C7.0) (SSMH)
- CAMPUS MAIN WATER LINE (10"W)
- DOMESTIC WATER LINE (2"DW)
- FIRE WATER LINE (8"FW)
- THRUST BLOCK (PER CITY OF SACRAMENTO STD. DWG. NO W-103)
- PIPE REDUCER
- GATE VALVE (PER CITY OF SACRAMENTO STD. DWG. NOS. W-303 & W-304)
- 4"RP RED. PRESSURE BACKFLOW PREVENTOR (SIZED AS NOTED)
- 8"DCV DOUBLE CHECK VALVE (SIZED AS NOTED) (PER CITY OF SACRAMENTO STD. DWG. NOS. W-303 & W-304)
- FDC FIRE DEPARTMENT CONNECTION (SEE DETAIL ON SHEET C7.0)
- FDC DSP FIRE DRY STAND PIPE APPARATUS (SEE DETAIL ON SHEET C7.0)
- FH 6"FW FIRE HYDRANT (INCLUDING LEAD & GATE VALVE) (PER CITY OF SACRAMENTO STD. DWG. NO. W-201)
- HYDRONICS, GAS, TELEPHONE, & ELECTRIC LINES (SEE SPECIAL NOTE BELOW)

GENERAL NOTES

1. REFER TO PLUMBING PLANS FOR CONNECTIONS TO THE BUILDING.
2. ALL BUILDING SERVICES TO BE STUBBED TO 5' FROM BUILDING OR AS SHOWN AND SHALL BE CAPPED FOR FUTURE CONNECTION BY PLUMBING CONTRACTOR.
3. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONTINUING WORK.
4. ALL ON-SITE STORM DRAIN INLETS, EXISTING OR PROPOSED, SHALL HAVE A PERMANENT STORM DRAIN MESSAGE IN THE FORM OF A CONCRETE STAMP OR EXPOSED PLACARD INDICATING "NO DUMPING- FLOWS TO CREEK".
5. NO CROSS-CONNECTIONS BETWEEN DOMESTIC WATER, LANDSCAPE WATER, OR FIRE WATER SHALL BE ALLOWED.
6. ALL TEES SHALL HAVE THRUST BLOCKS. AT ALL OTHER FITTINGS (ELBOWS, ETC.), PROVIDE RESTRAINED JOINTS OR THRUST BLOCKS. THRUST BLOCKS SHALL BE INSTALLED PER DETAIL ON SHT. 7.0
7. UNLESS NOTED OTHERWISE, ALL PRIVATE FIREWATER PIPES THAT CAN BE PRESSURIZED BY FIRE DEPARTMENT APPARATUS SHALL BE PVC C-900, CLASS 200 OR DIP CLASS 350.
8. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL COORDINATE THE ADDITIONAL PIPE FROM THE POC TO THE FIRE RISER WITH THE ARCHITECTURAL, MEP, AND STRUCTURAL PLANS AS NECESSARY TO VERIFY EXACT RISER LOCATION AND IDENTIFY ANY POSSIBLE OBSTRUCTIONS SUCH AS FOOTINGS, PAD, ETC. THE RISER SHALL BE INSTALLED TO TERMINATE 6" TO 24" ABOVE FINISH FLOOR, AND SHALL MAINTAIN 12" INCHES MINIMUM CLEARANCE TO ANY ADJACENT WALL. ALSO PROVIDE 1" CONDUIT SLEEVE TO BUILDING FOR ELECTRONIC MONITORING OF PIV.
9. THE POST INDICATOR VALVES (PIV) SHALL BE INSTALLED SO THAT THE TOP OF THE POST WILL BE AT 36" ABOVE FINISHED GRADE.
10. ALL FIRE HYDRANTS, PIV'S AND FDC'S SHALL BE LOCATED SO AS NOT TO BE BLOCKED BY LANDSCAPING, PARKING STALLS, LOADING ZONES, ETC.
11. PROVIDE CONDUIT SLEEVING AS REQUIRED PER THE ELECTRICAL SITE PLAN AND THE LANDSCAPE IRRIGATION PLAN PRIOR TO CONSTRUCTION OF HARDSCAPE OR PARKING AREAS.
12. SEE SHEET C1.0 FOR ADDITIONAL NOTES.

HYDRONICS, GAS, POWER, & TELEPHONE SPECIAL NOTE

THE HYDRONICS, GAS, POWER, AND TELEPHONE LINES SHOWN ON THIS PLAN ARE FOR GENERAL ROUTING PURPOSES ONLY. SEE MECHANICAL, PLUMBING, AND ELECTRICAL PLANS FOR ALL SPECIFICS RELATED TO THESE SYSTEMS (INCLUDING ANY VALVES NOT SHOWN), THEIR EXACT POC'S INTO THE BUILDINGS, AND ANY RECONSTRUCTION NEEDED (EXISTING PAVEMENT, CONCRETE, WALLS, ETC).

WET UTILITY CONSTRUCTION NOTE

LAYOUT OF WET UTILITIES IN THE CORRIDOR BETWEEN MOHR AND LILLARD HALLS IS INTENDED TO ALLOW CONSTRUCTION/DEMO OF EACH SYSTEM TO BEGIN FROM THE SOUTH AND WORK NORTH. NEW DRAIN IS INTENDED TO BE CONSTRUCTED FIRST, THEN ONCE IN PLACE THE EXISTING DRAIN LINE SHALL BE REMOVED AND NEW SEWER CONSTRUCTED IN ITS PLACE. ONCE THE NEW SEWER IS IN PLACE, THE EXISTING SEWER IS THEN TO BE REMOVED, WITH THE NEW WATER MAIN CONSTRUCTED IN ITS PLACE.

CONSTRUCTION NOTES

GENERAL

1. TRENCH HATCH SHOWN IS SCHEMATIC ONLY. TRENCH, BACKFILL, AND REPAVE PER DETAIL ON SHEET C7.0. AT CONCRETE, SAWCUT AND REMOVE CONCRETE TO NEAREST CRACK CONTROL JOINT AT 90° ANGLES, DO NOT OVERCUT. REPLACE EXISTING HARDSCAPE (SECTION, COLOR, CRACK CONTROL PATTERN, ETC.) IN KIND.
2. BEFORE BEGINNING ANY UNDERGROUND WORK, CONTRACTOR TO CONFIRM INVERT AT CONNECTION TO EXISTING PIPE AND VERIFY CONNECTIONS CAN BE MADE AS SHOWN. CONTRACTOR TO NOTIFY ENGINEER OF ANY ISSUES PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. THE IMPROVEMENTS SHOWN HERE (CONCRETE WALK & GATHERING AREA, BENCHES, AND DOOR ACCESS) ARE AN ADD ALTERNATE. THE BASE BID IS NOT TO INCLUDE THESE ITEMS, BUT RATHER ONLY INCLUDES THIS AREA AS LANDSCAPING.

STORM DRAIN

- D1 EXTEND NEW SERVICE TO EXISTING LILLARD HALL DRAINAGE SERVICE, CONNECTING AS NEEDED. INLETS (WHERE SHOWN) SHALL REMAIN AND CONNECTION MADE DOWNSTREAM OF INLET.
- D2 PROVIDE NEW 12" LSCB (LARGER THAN NOTED IN LEGEND) WITH 22 LF ~ 8" PIPE AT S=0.005, MIN.
- D3 CONNECTING TO EXISTING INLET, INSTALL NEW 4" PIPE AT 2% MIN BETWEEN EXISTING INLET AND DRAIN LINE CROSSING. FROM CROSSING TO NEW MAIN, PROVIDE FITTINGS AND ROTATED WYE AT MAIN TO CROSS OVER TOP OF SEWER LINE AND DOWN TO THE NEW DRAIN LINE.
- D4 INSTALL NEW CLEANOUT AT OLD INLET LOCATION. FROM NEW CLEANOUT, INSTALL 6" PIPE AT 2% MIN BETWEEN CLEANOUT AND DRAIN LINE CROSSING. FROM CROSSING TO NEW MAIN, PROVIDE FITTINGS AND ROTATED WYE AT MAIN TO CROSS OVER TOP OF SEWER LINE AND DOWN TO THE NEW DRAIN LINE. ALSO INSTALL LSCB IN LINE WHERE SHOWN.

SANITARY SEWER

- S1 EXTEND NEW SERVICE TO EXISTING LILLARD HALL SEWER SERVICE, CONNECTING AS NEEDED.
- S2 PROVIDE NEW 6" SEWER SERVICE TO SERVE FUTURE BUILDING. 18 LF ~ 6" PIPE INV @ MH=17.76, INV @ STUB=18.12
- S3 ROTATE WYE AND PROVIDE FITTINGS TO CROSS OVER TOP OF DRAIN LINE. INSTALL NEW 6" PIPE AT 1% MIN FROM SEWER LINE CROSSING.

WATER

- W1 EXTEND NEW SERVICE TO EXISTING LILLARD HALL DOMESTIC WATER SERVICE, CONNECTING AS NEEDED.
- W2 MAKE CONNECTION BETWEEN NEW ONSITE MAIN, EXISTING STREET SERVICE, AND EXISTING IRRIGATION SERVICE AS SHOWN USING 45° 4" FITTINGS WITH 4"x3" TEE AND 3" ELBOW.
- W3 PROVIDE NEW 4" DOMESTIC WATER SERVICE TO SERVE FUTURE BUILDING.
- W4 TRENCH UNDER EXISTING RETAINING WALL, WALL TO REMAIN UNDISTURBED. (SEE 4/S1.02)
- W5 NOT USED.
- W6 3" DOMESTIC WATER SERVICE INSTALL 40 LF WITH RP WHERE SHOWN.
- W7 6" FIRE WATER SERVICE INSTALL 61 LF WITH DCV FROM TEE TO BUILDING POC. PROVIDE ADDITIONAL BRANCH WITH FDC WHERE SHOWN.
- W8 REPLACE CURB IN KIND.
- W9 REMOVE EXISTING BLOW-OFF AND CONNECT TO NEWLY CONSTRUCTED CAMPUS MAIN WHERE SHOWN.

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3/20/2018

FILE NO.34-C3

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 02-116163 AC ___ FLS ___ SS ___ DATE ___

PLAN CHECK SET

	REVISION	BY	DATE
1	BACKCHECK 1		
2	BACKCHECK CHANGES		
3	REVISED PLANS		
5	ADDENDUM 3		7/03/2018

LOS RIOS COMM COLLEGE DISTRICT

LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT SACRAMENTO CITY COLLEGE

MOHR HALL REPLACEMENT

WET UTILITY PLAN

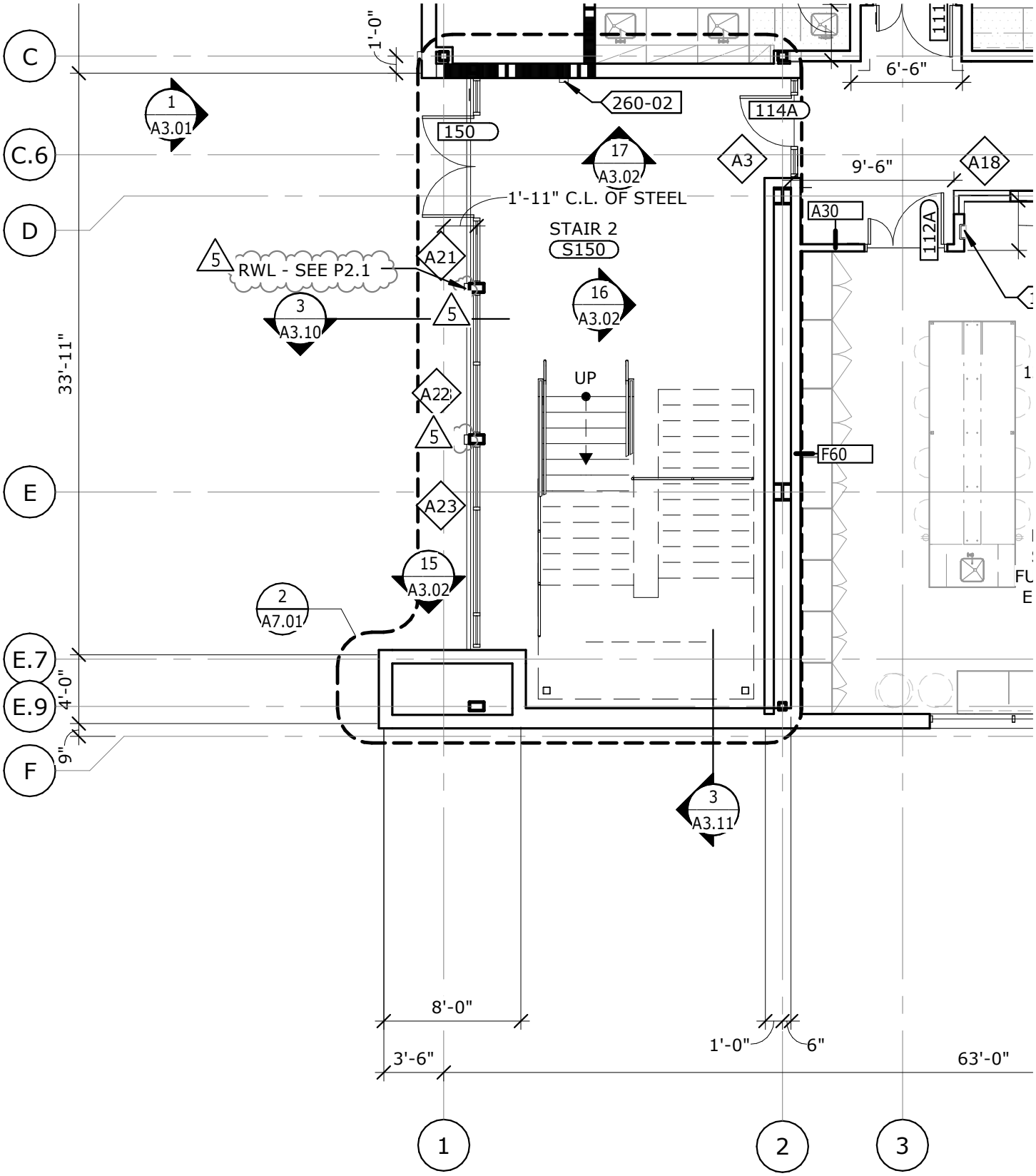
B5017.00

AS SHOWN

July 03, 2018

C6.0

J:\1000-s\1473-SacCity\College\SCC-Mohr Hall\Cad\Dwg\C-06-UTIL-MOHR1.dwg 6/15/2018 1:54 PM Ron Johnson



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REVISED RAINWATER LEADER LOCATION AND BRAKE SHAPES

1/8" = 1'-0"

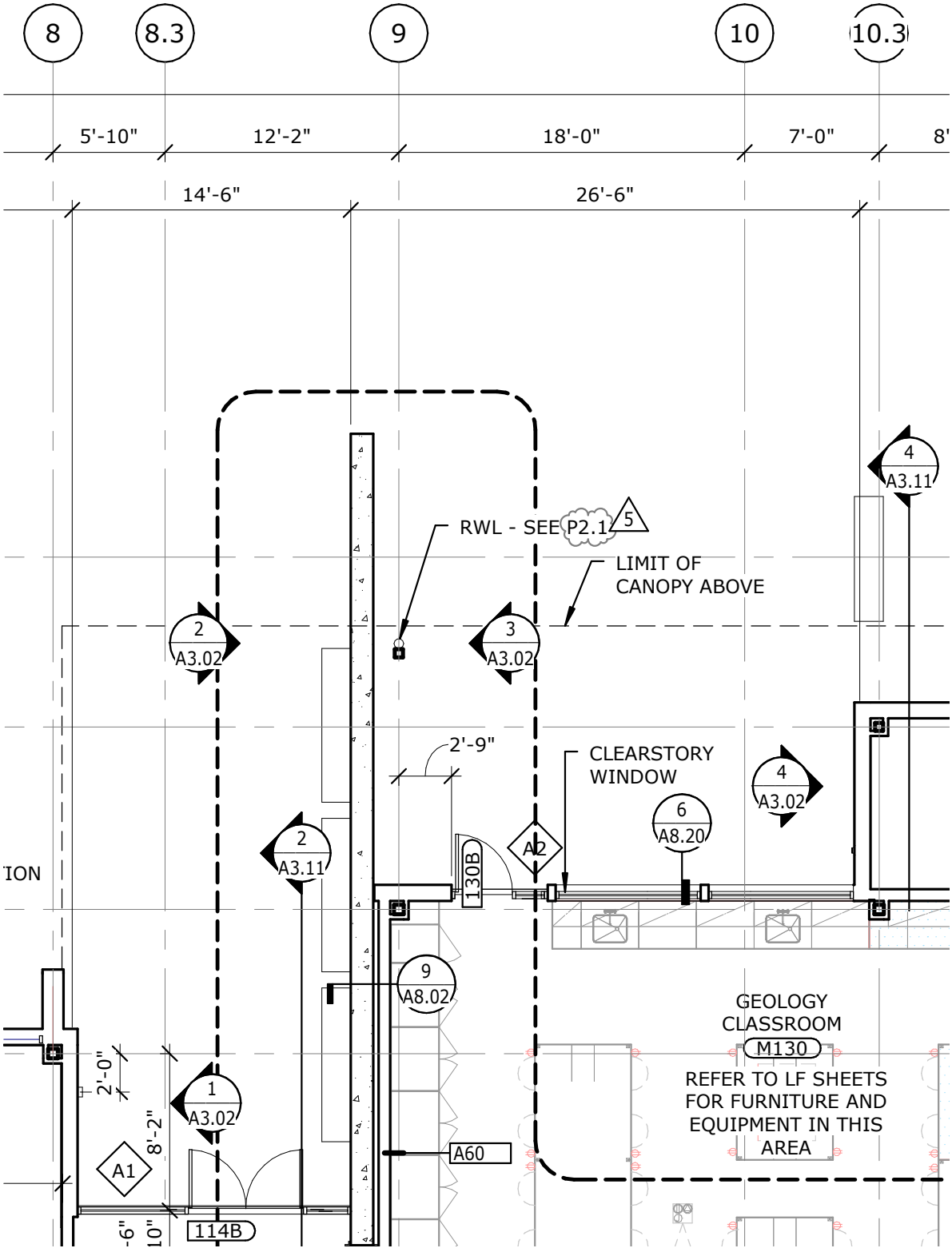
LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT SACRAMENTO CITY COLLEGE

MOHR HALL REPLACEMENT

5 AD 3

REF SHEET: A2.01
7/03/18

B5017.00



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REVISED RAINWATER LEADER SHEET REFERENCE

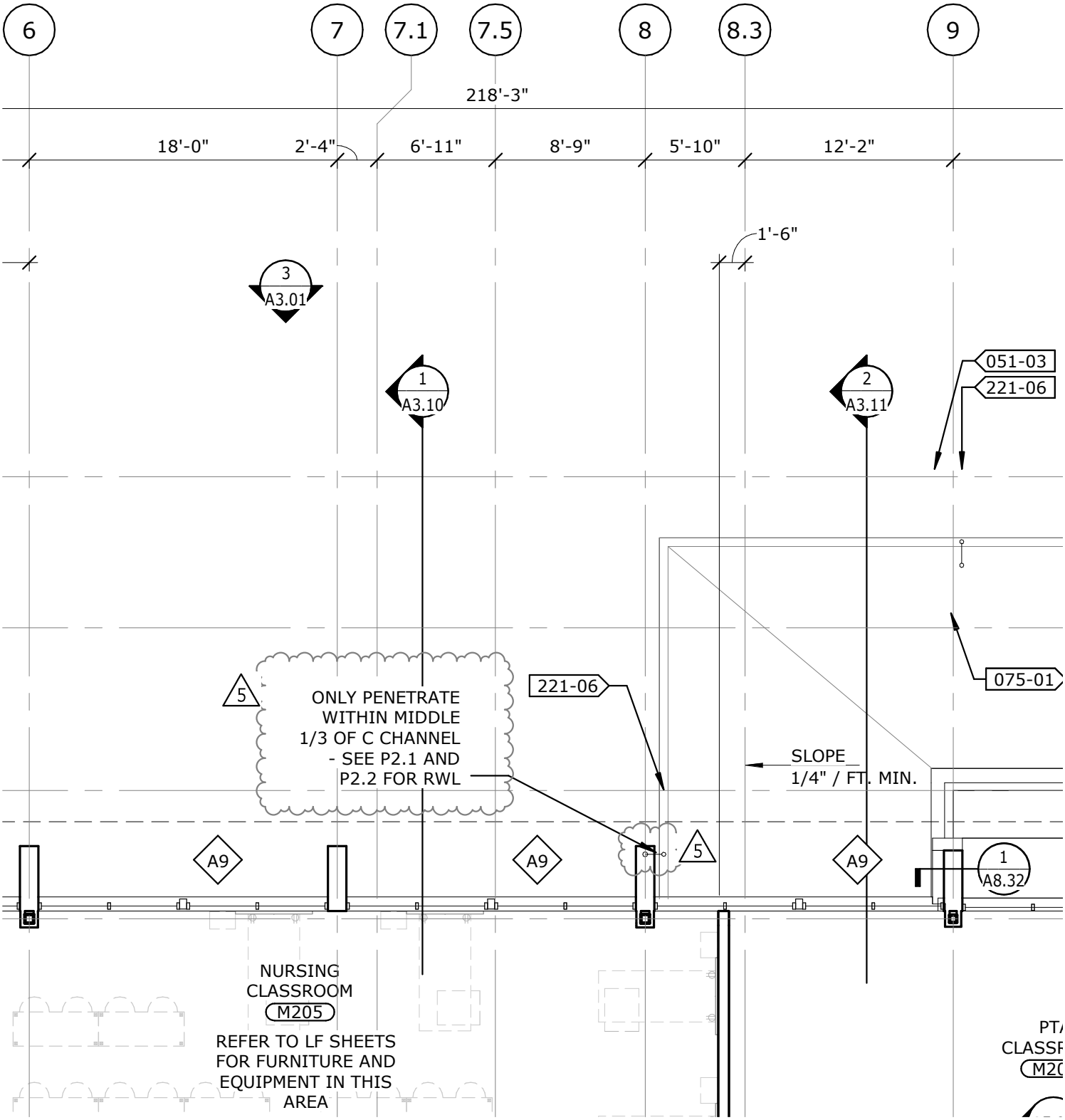
1/8" = 1'-0"

LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT SACRAMENTO CITY COLLEGE
MOHR HALL REPLACEMENT

5 AD 3

REF SHEET: A2.01
7/03/18

B5017.00



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REVISED RAINWATER LEADER AND ADDED NOTE

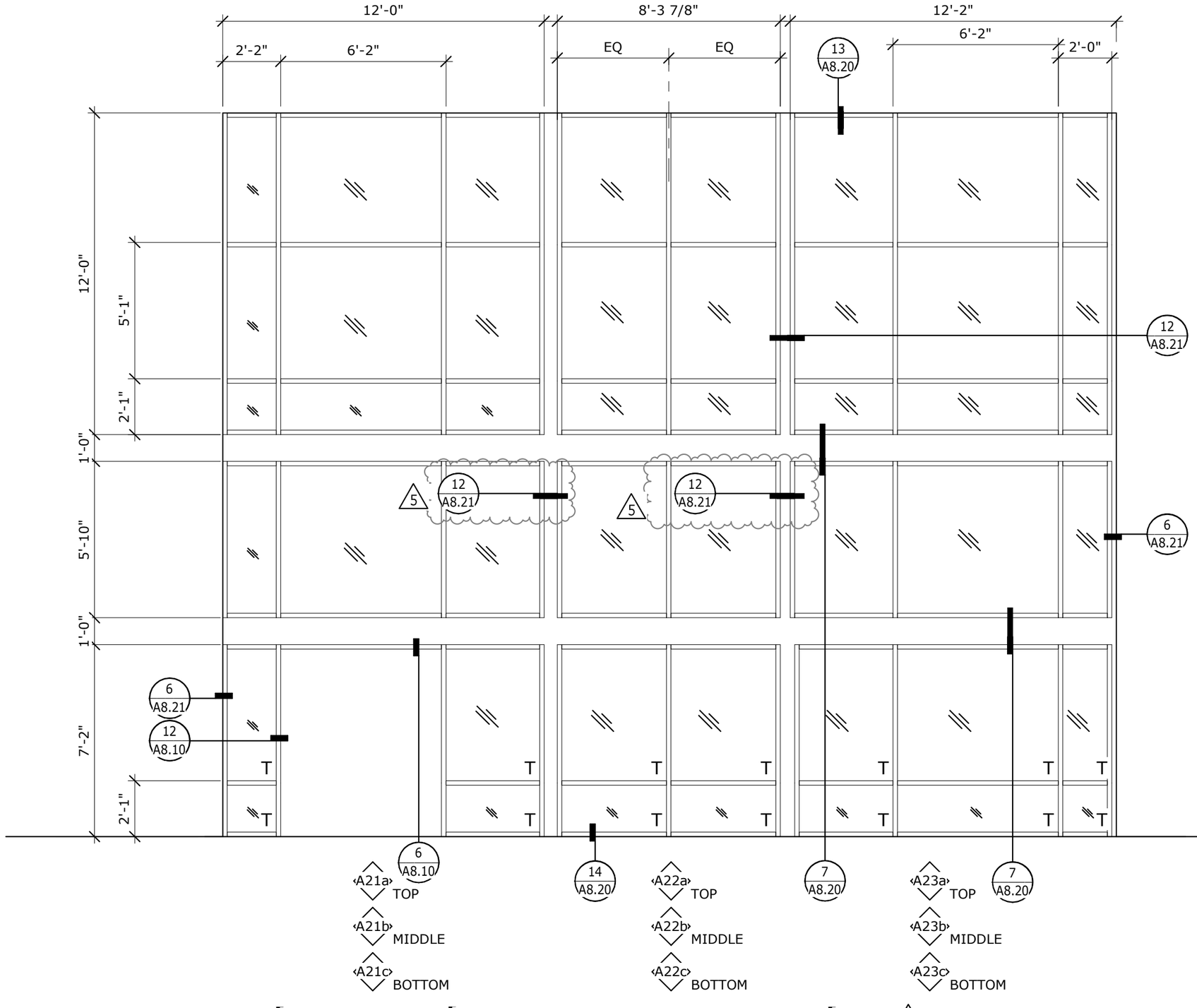
1/8" = 1'-0"

LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT SACRAMENTO CITY COLLEGE
MOHR HALL REPLACEMENT

5 AD 3

REF SHEET: A2.02
7/03/18

B5017.00



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WINDOW JAMB DETAIL REFERENCES ADJUSTED

1/8" = 1'-0"

LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT SACRAMENTO CITY COLLEGE
MOHR HALL REPLACEMENT

5 AD 3

REF SHEET: A2.50
7/03/18

B5017.00

FINISH LEGEND

REV.	SPEC.	ITEM	MATERIAL	MANUFACTURER	SIZE	COLOR	STYLE	SERIES	NOTES
	09 66 00	TZ2	TERRAZZO - PRECAST 1/2" TILE	WAUSAU		TZ41 SWISS ALPS			
	GENERAL POLYMERS	TZ3	ADD ALTERNATE: EPOXY TERRAZZO	SHERWIN WILLIAMS	THINSET EPOXY	TO MATCH WAUSAU TZ03 FOGGY DAY			
	09 65 19	VC1	VINYL COMPOSITION TILE	ARMSTRONG	12" X 12"	PEAT 5C240	PREMIUM EXCELON	CROWN TEXTURE	
	09 65 19	VC2	VINYL COMPOSITION TILE	ARMSTRONG	12" X 12"	SMOKEY BROWN 5C868	PREMIUM EXCELON	CROWN TEXTURE	
	09 65 19	VC6	STATIC DISSAPATIVE TILE	ARMSTRONG	12" X 12"	FOSSIL GRAY 51956	EXCELON SDT	ESD	
	06 40 23	WD1	WOOD - TRIM	CUSTOM		CLEAR MAPLE			
	06 40 23	WD2	WOOD - CASEWORK	CUSTOM		CLEAR SEALER	PLAIN SLICED WHITE MAPLE		SEE LF SHEETS FOR MORE INFORMATION
	06 40 23	WD3	WOOD - COUNTERTOP	CUSTOM		CLEAR SEALER	BUTCHER BLOCK		SEE LF SHEETS FOR MORE INFORMATION
	06 40 23	WD4	WOOD - BENCHTOP	CUSTOM		CLEAR MAPLE			FOR EXTERIOR CONDITIONS USE EXTERIOR GRADE SEALANT
	10 11 73	WF1	TACKBOARD	EGAN VISUAL		(T) ECOTACK DTB	DIMENSION TACK BOXCORE		
	12 48 13	WM1	WALKOFF MAT	CONSTRUCTION SPECIALTIES	PEDIGRID ENTRANCE SYSTEM	RECYCLED RUBBER INSERTS		ALUMINUM LEVEL BASE FRAME	
	06 64 00	WP1	WALL PROTECTION - FRP	MARLITE	4' X 8' SHEET	WHITE	PEBBLED	STANDARD FRP	

5

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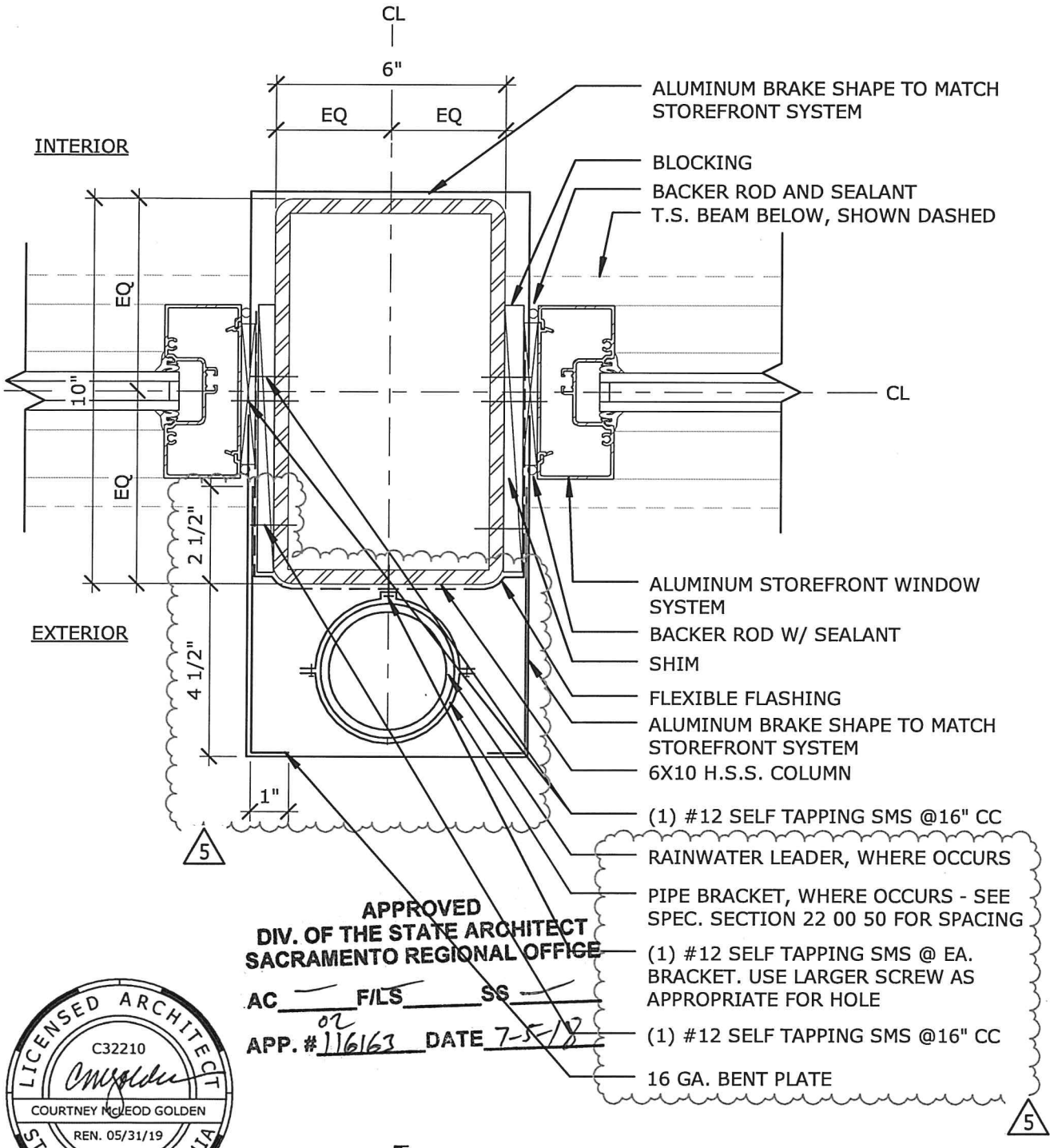
VCT FLOORING PRODUCT DISCONTINUED - MNFR. REVISED

LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT SACRAMENTO CITY COLLEGE
MOHR HALL REPLACEMENT

5 AD 3

REF SHEET: A2.53
7/03/18

B5017.00



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SACRAMENTO REGIONAL OFFICE
AC ~ F/LS ____ SS ~
APP. # 02 116163 DATE 7-5-18

LICENSED ARCHITECT
C32210
COURTNEY McLEOD GOLDEN
REN. 05/31/19
STATE OF CALIFORNIA

EXTERIOR STOREFRONT JAMB - STEEL COLUMN

12

3" = 1'-0" REFERENCE: A2.50 / 6

5 AD 3

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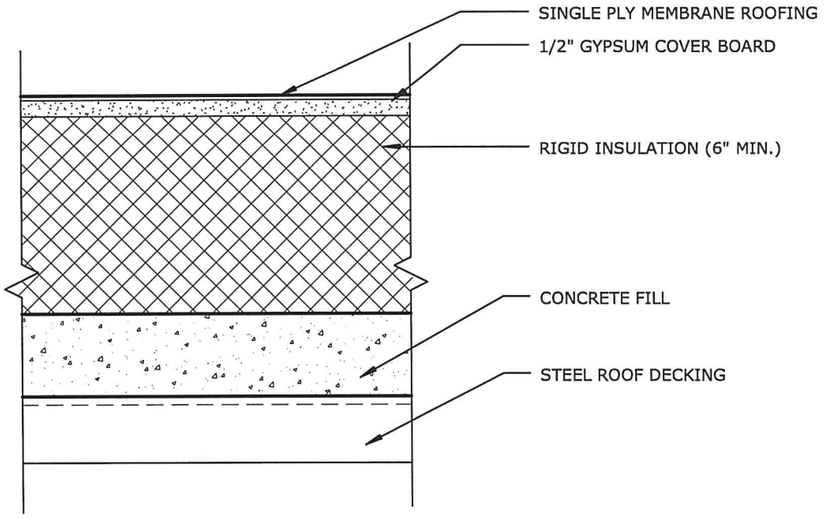
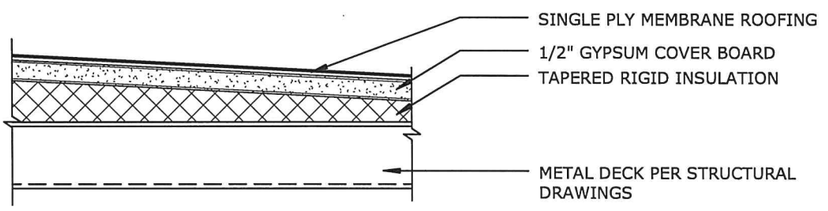
MOHR HALL REPLACEMENT

REF SHEET: 12/A8.21
6/22/18

B5017.00

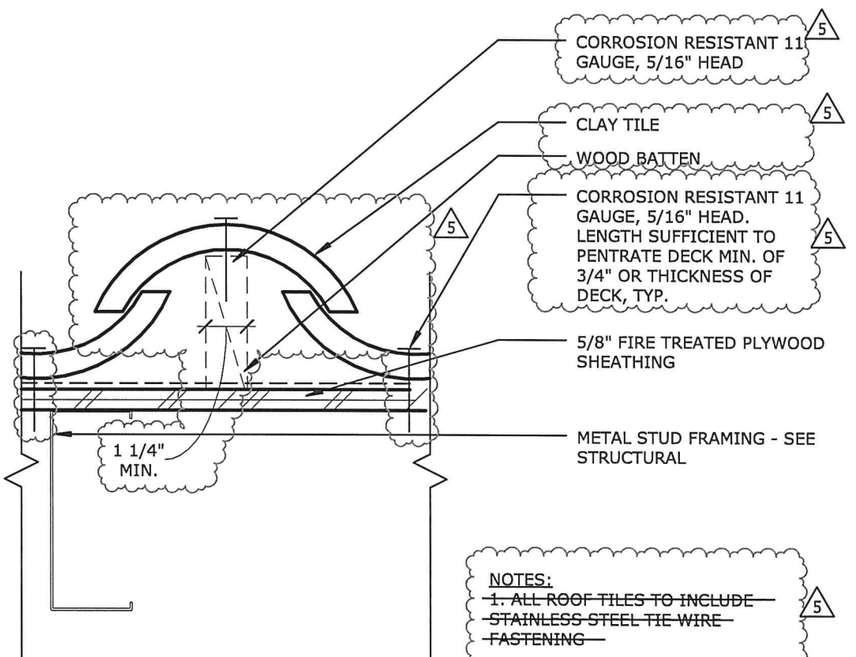


ROOF TYPE - A
(AT BUILDING ROOF)



ROOF TYPE - B
(AT CANOPY ROOF)

NOTE:
ALL ROOF ASSEMBLIES/SYSTEMS TO MEET REQUIREMENTS FOR FIRE/WINDSTORM CLASSIFICATION 1A-90 AND HAIL RESISTANCE RATING OF MH.



NOTES:
~~1. ALL ROOF TILES TO INCLUDE STAINLESS STEEL TIE WIRE FASTENING~~ 5
2. TILE ROOFING TO COMPLY WITH IAPMO UES 510, IR 15-1, IR15-2
~~3. SEE 14 FOR CLAY TILE DETAILS~~ A8.31 5
4. PROVIDE APPROVED WIND LOCK AT EACH TILE, COMPLY WITH IAPMO UES 444.

ROOF TYPE - C
(AT MANSARD TILE ROOF)

TYPICAL ROOF ASSEMBLIES

REFERENCE:

2

LICENSED ARCHITECT
COURTNEY RUDEOD GOLDEN
C32210
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STATE OF CALIFORNIA

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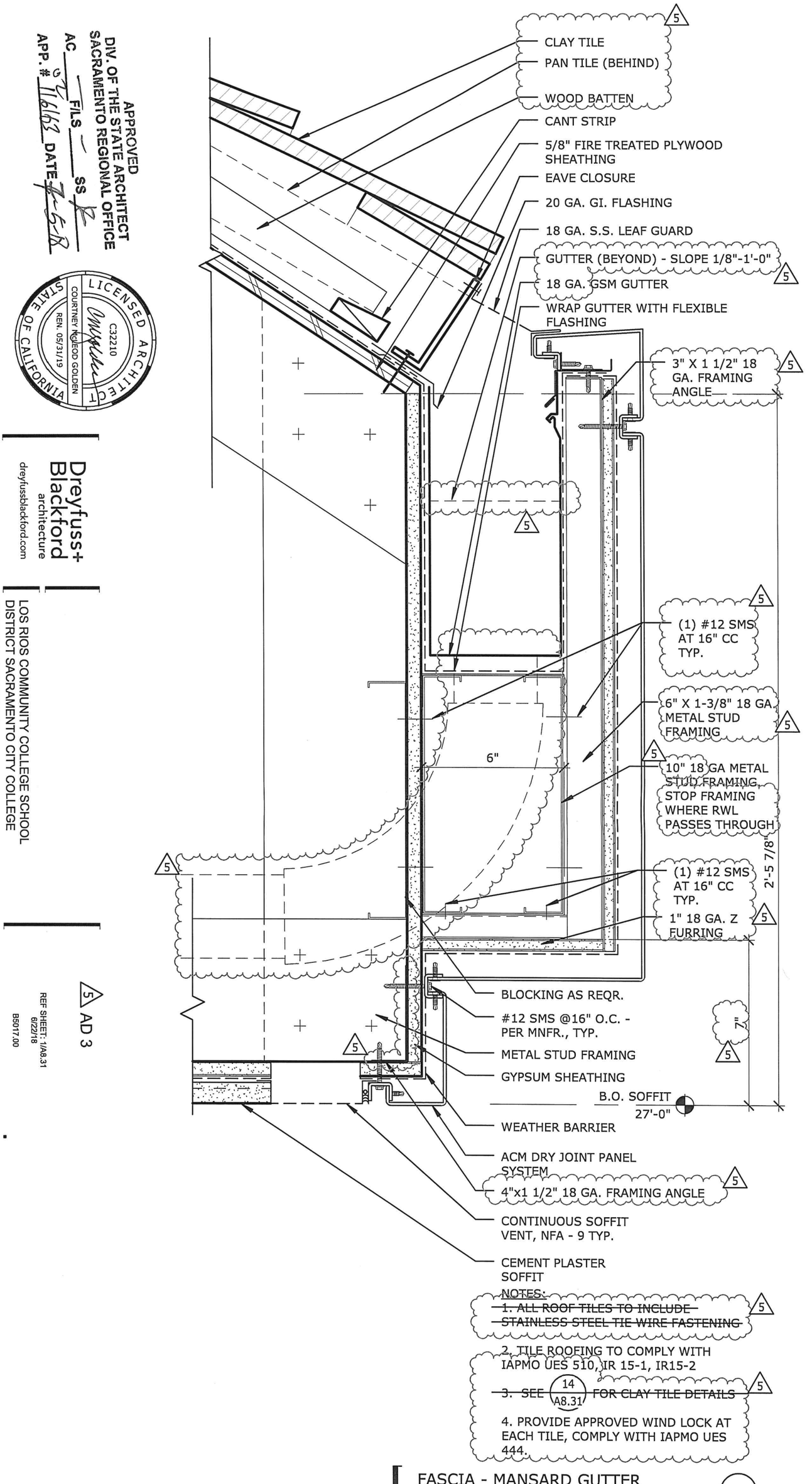
LOS RIOS COMMUNITY COLLEGE SCHOOL
DISTRICT SACRAMENTO CITY COLLEGE
MOHR HALL REPLACEMENT

5 AD 3

REF SHEET: 2/A8.30
6/22/18
B5017.00



FASCIA - MANSARD GUTTER

3" = 1'-0" REFERENCE: A2.60 / 1

1

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LICENSED ARCHITECT
COURTNEY NOLEOD GOLDEN
REN. 05/31/19
C32210
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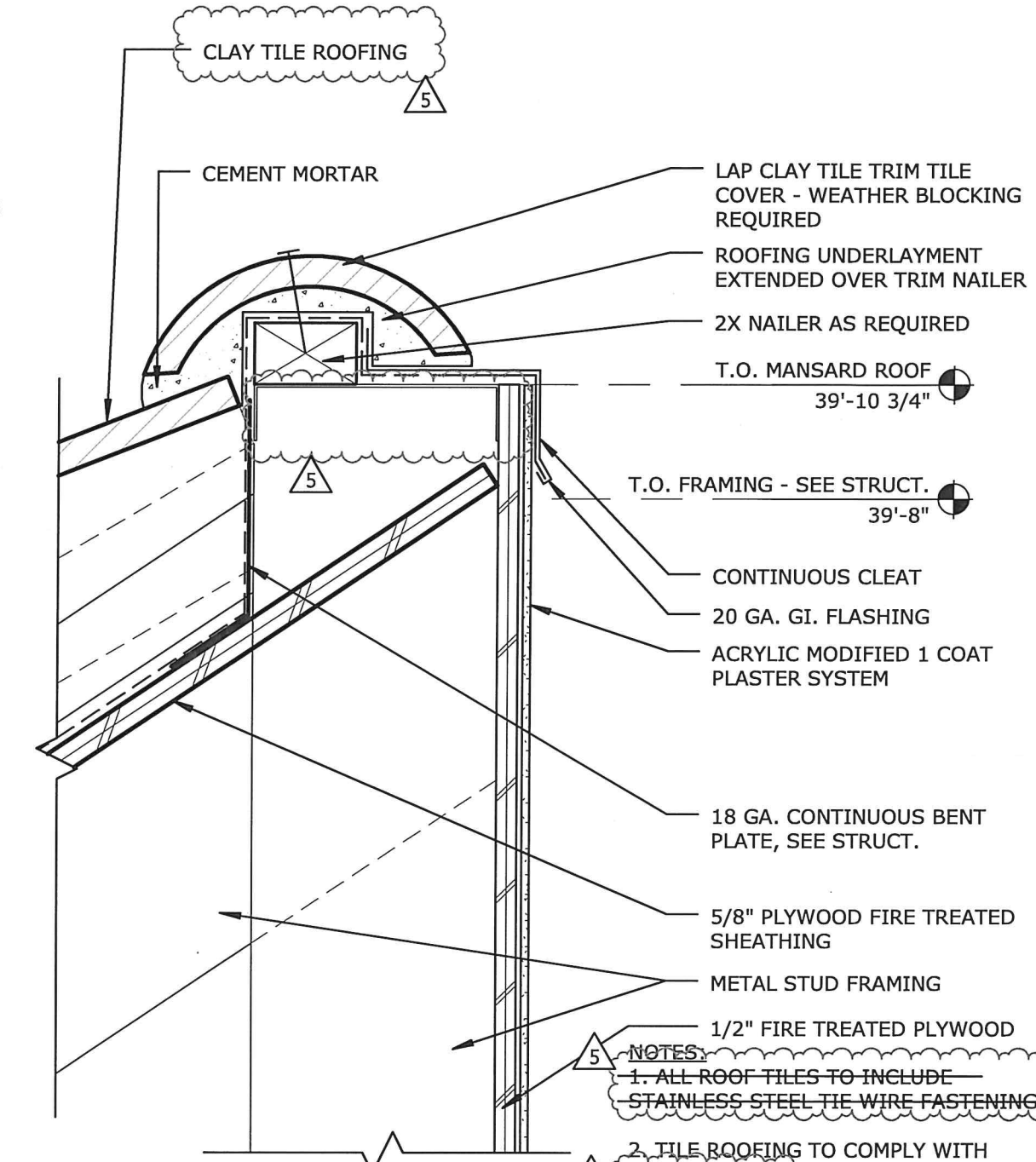
LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT SACRAMENTO CITY COLLEGE
MOHR HALL REPLACEMENT

5 AD 3

REF SHEET: 1/A8.31
6/22/18
B5017.00



5 NOTES:

~~1. ALL ROOF TILES TO INCLUDE STAINLESS STEEL TIE WIRE FASTENING~~

5 2. TILE ROOFING TO COMPLY WITH IAPMO UES 510, IR 15-1, IR15-2

~~3. SEE 14/A8.31 FOR CLAY TILE DETAILS~~

4. SEE S/S3.11 AND 13/S7.04 FOR ADDITIONAL INFORMATION

5 5. PROVIDE APPROVED WIND LOCK AT EACH TILE, COMPLY WITH IAPMO UES 444.

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LICENSED ARCHITECT
COURTNEY McLEOD GOLDEN
C32210
REN. 05/31/19
STATE OF CALIFORNIA

ROOF EDGE - TOP OF MANSARD

2

3" = 1'-0" REFERENCE: A2.60 / 1

5 AD 3

REF SHEET: 2/A8.31
6/22/18
B5017.00

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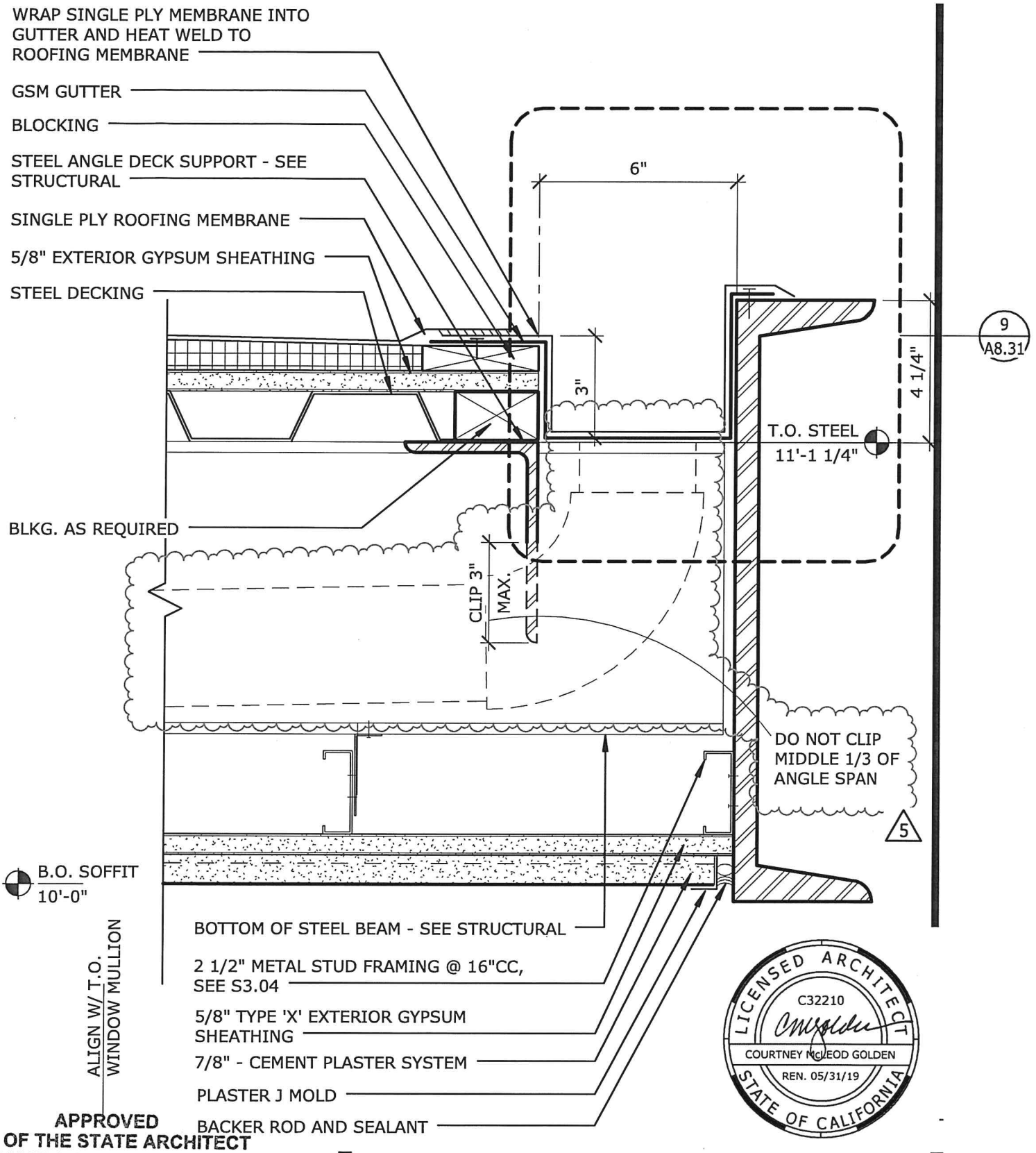
MOHR HALL REPLACEMENT



LICENSED ARCHITECT
C32210
COURTNEY MCLEOD GOLDEN
REN. 05/31/19
STATE OF CALIFORNIA

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SACRAMENTO REGIONAL OFFICE
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FASCIA - CANOPY W/ INTEGRAL GUTTER

7

3" = 1'-0" REFERENCE: A2.60 / 1

5 AD 3

REF SHEET: 7/A8.31
6/22/18

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MOHR HALL REPLACEMENT

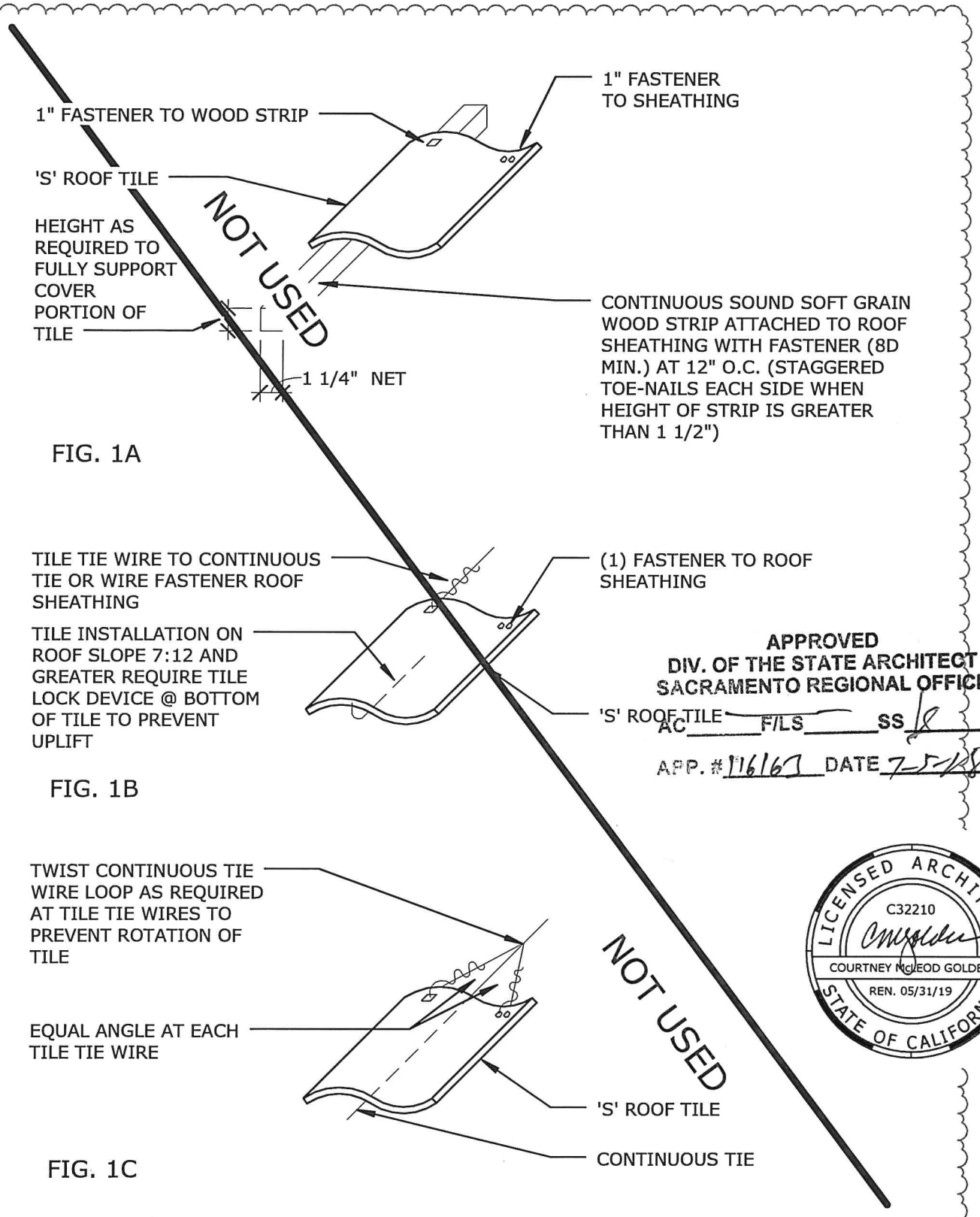

FIG. 1A

FIG. 1B

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APP. # 116161 DATE 7-5-18

FIG. 1C

LICENSED ARCHITECT
C32210
COURTNEY McLEOD GOLDEN
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STATE OF CALIFORNIA

5

CLAY TILE ROOFING

14

1 1/2" = 1'-0" REFERENCE:

5 AD 3

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6/22/18

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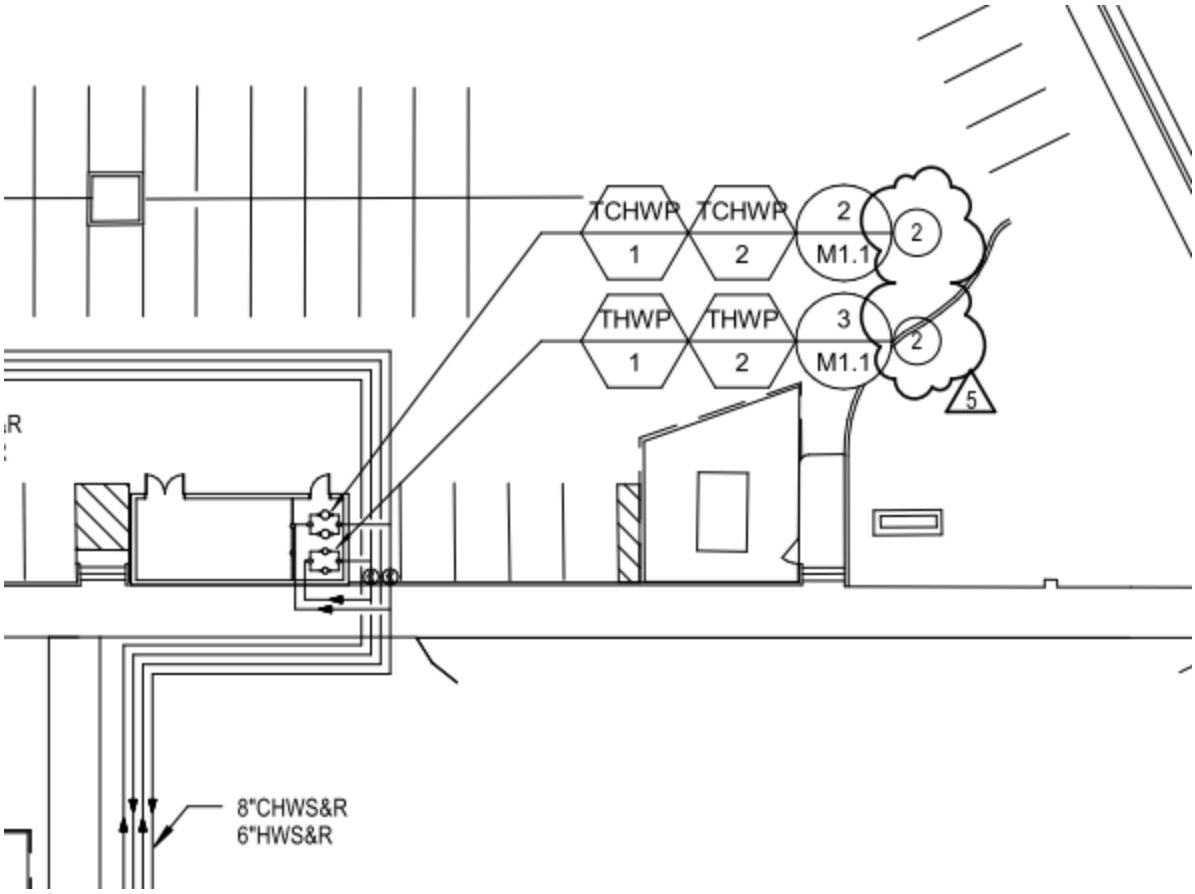

SHEET NOTES:

1. PROVIDE BUTTERFLY VALVES WITH LONG TEE EXTENSION WITHIN PRECAST VALVE BOXES.
2. PROVIDE LOW VOLTAGE CONTROL CONDUIT BY BMS CONTRACTOR FROM EQUIPMENT YARD TO BUILDING. RUN CONDUIT WITHIN HYDRONIC PIPING TRENCH. COORDINATE TRENCHING AND BACKFILL W/ BMS CONTRACTOR.

5

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HVAC SITE PLAN

1" = 30'-0"

LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT SACRAMENTO CITY COLLEGE
MOHR HALL REPLACEMENT

5 AD 3

REF. SHEET:1/M1.1
7/03/18
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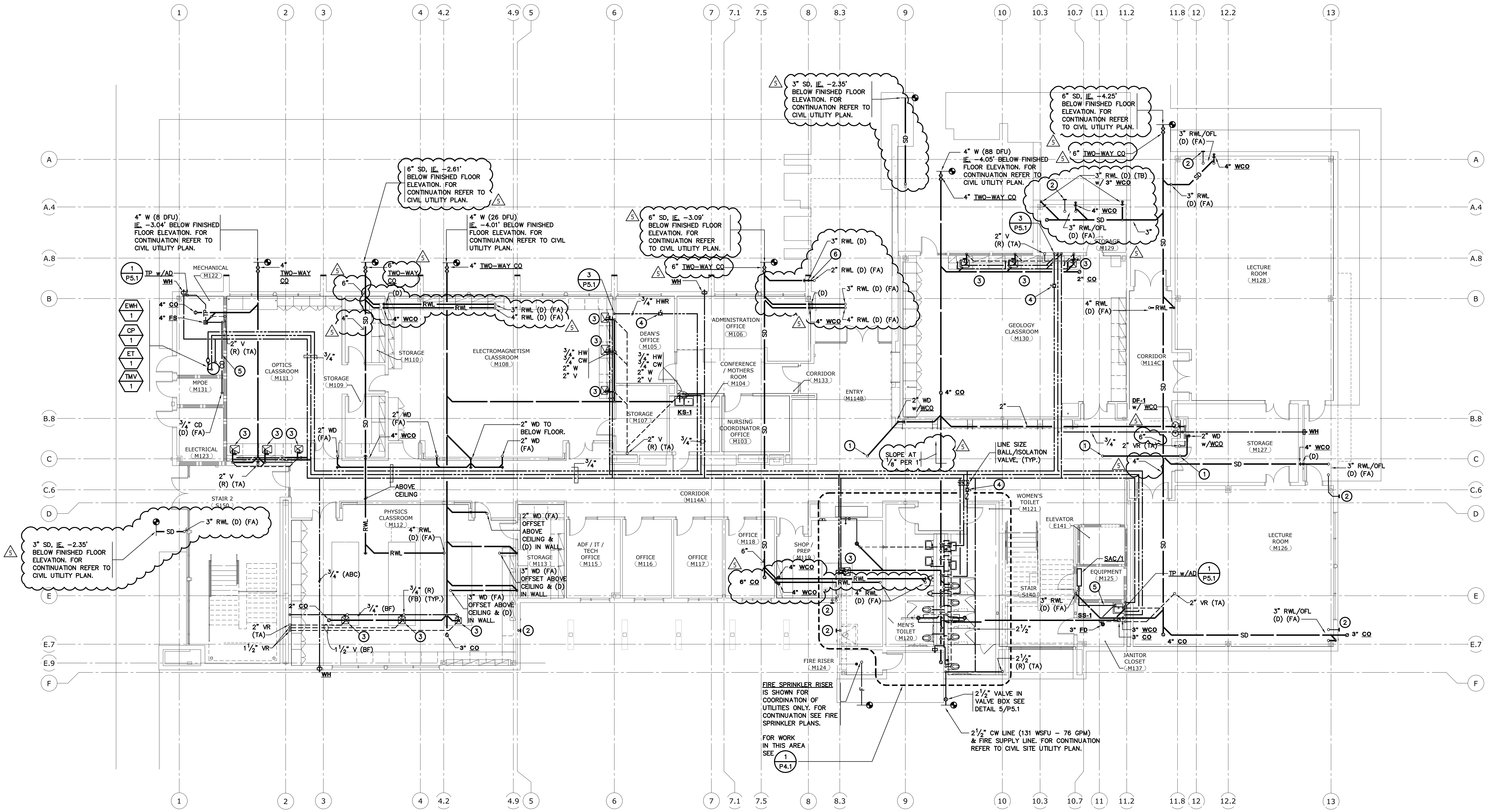
RANCHO CORDOVA, CALIFORNIA

TD - RCC/MJR/JCH 151112.00
PM - DESIGN TEAM PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
THOMAS A. DUNN
M 22836
EXPIRES 9/30/18
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 05/21/18



PLUMBING FIRST FLOOR PLAN

SCALE : 1/8" = 1'-0"

1
P2.1

SHEET NOTES:

1. WASTE DROP FROM ABOVE – OFFSET OVERHEAD AND DROP IN WALL TO BELOW SLAB.
2. 4" OVERFLOW DRAIN LINE (OFL) DROP FROM ABOVE AND SHALL ROUT TO AND TERMINATE AT 4" (BOTTOM OF PIPE) ABOVE FINISHED GRADE WITH "MIFAB", MODEL R1960–F–NH TYPE 34 STAINLESS STEEL DOWNSPOUT NOZZEL WITH HINGED PERFORATED BIRD SCREEN COVER.
3. REFER TO "LF PLANS" AND DIVISION 11 SPECIFICATIONS FOR LAB FIXTURE AND EQUIPMENT PLUMBING UTILITY REQUIREMENTS. UNLESS OTHERWISE NOTED, ALL LAB FIXTURES AND TRIM SHALL BE SHOWN, NOTED, & SPECIFIED BY DIV. 11 AND INSTALLED BY DIV. 22. REFER TO DETAIL 7/P5.1 FOR TYPICAL VENT LOOP DETAIL.
4. CALIBRATED BALANCE VALVE, SET AT 0.5 GPM.
5. ¾" CD LINE, ROUTE ON WALL AND TERMINATE AT FLOOR SINK OR SERVICE SINK WITH A TURNED DOWN ELBOW WHILE MAINTAINING A 1" AIR GAP.
6. 2" RWL W/ (2) 45° ELBOWS TO VERTICAL DROP. TRANSITION TO 3" RWL IN WALL.

FILE NO.34-C3

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PLAN CHECK SET

	REVISION	BY	DATE
1	BACKCHECK 1		
2	BACKCHECK CHANGES		
5	ADDENDUM 3		7/03/2018

LOS RIOS COMM COLLEGE DISTRICT

LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT
SACRAMENTO CITY COLLEGE

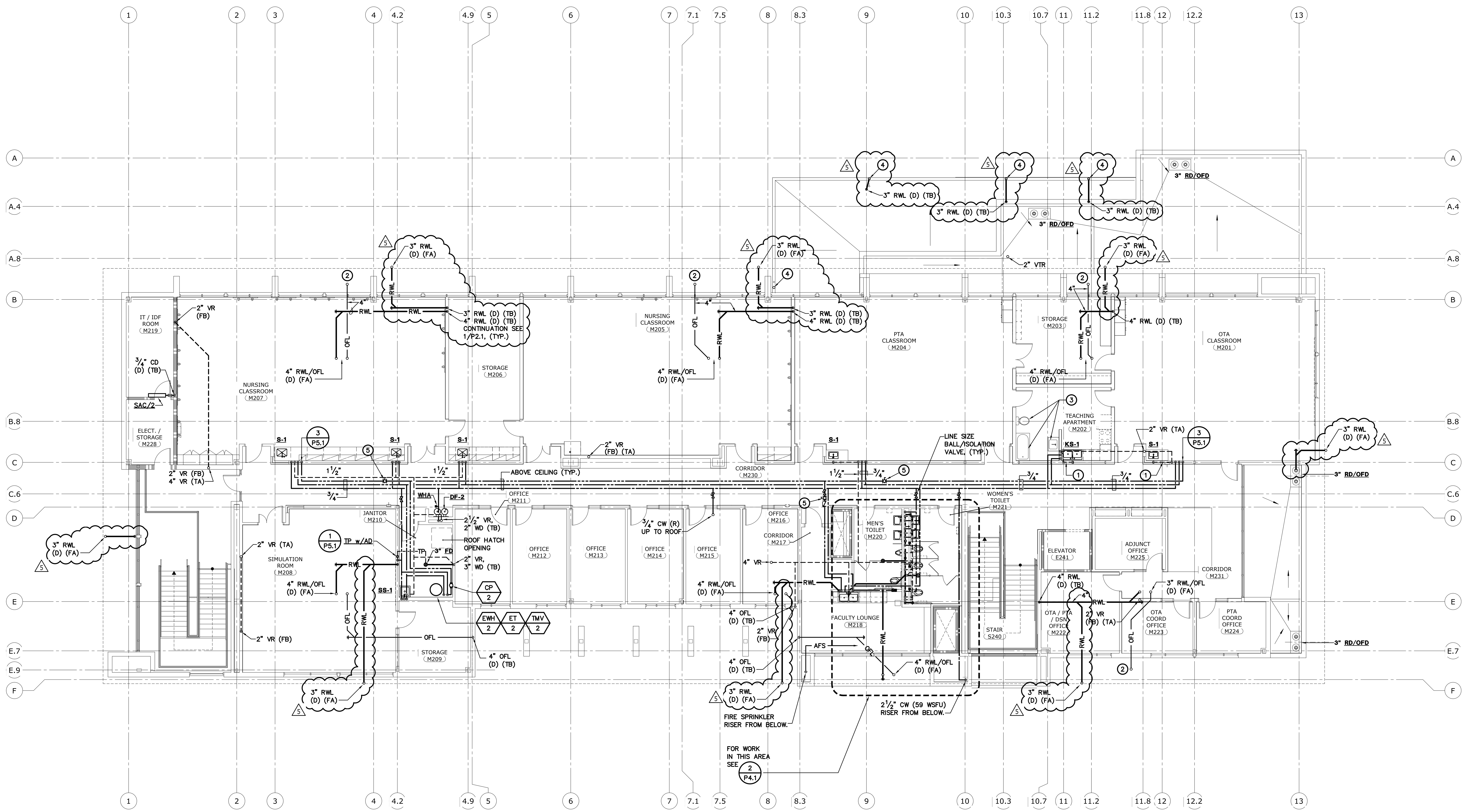
MOHR HALL REPLACEMENT

PLUMBING
FIRST FLOOR
PLAN

NORTH

B5017.00
1/8"=1'-0"
July 03, 2018

P2.1



SHEET NOTE:

1. RISE VENT LINE AS HIGH AS POSSIBLE – OFFSET BENEATH WINDOW AND RISE TO ABOVE CEILING.
2. OVERFLOW DRAIN LINE SHALL SLOPE AT 1/8" PER FOOT, PENETRATE PERIMETER STRUCTURAL BEAM AND TERMINATE WITH A TURNED DOWN ELBOW 2" BELOW SOFFIT. PIPE SHALL BE PAINTED INSIDE & OUT TO MATCH ARCHITECTURAL FINISH COLOR AND BE PROVIDED WITH A BIRD SCREEN. REFER TO DETAILS 13/S5.04 AND 3/A8.32.
3. REFER TO ARCHITECTURAL PLANS FOR SPECIFICATION OF NON–PLUMBED FIXTURES THAT ARE FOR INSTRUCTIONAL PURPOSES ONLY.
4. RWL CONNECTION TO GUTTER, SEE A2.02.
5. CALIBRATED BALANCE VALVE, SET AT 0.5 GPM.

PLUMBING SECOND FLOOR PLAN

SCALE : 1/8" = 1'-0"

1 / P2.2

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LOS RIOS COMM COLLEGE DISTRICT

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SACRAMENTO CITY COLLEGE
MOHR HALL REPLACEMENT

PLUMBING SECOND FLOOR PLAN

NORTH

B5017.00
1/8"=1'-0"
July 03, 2018

P2.2

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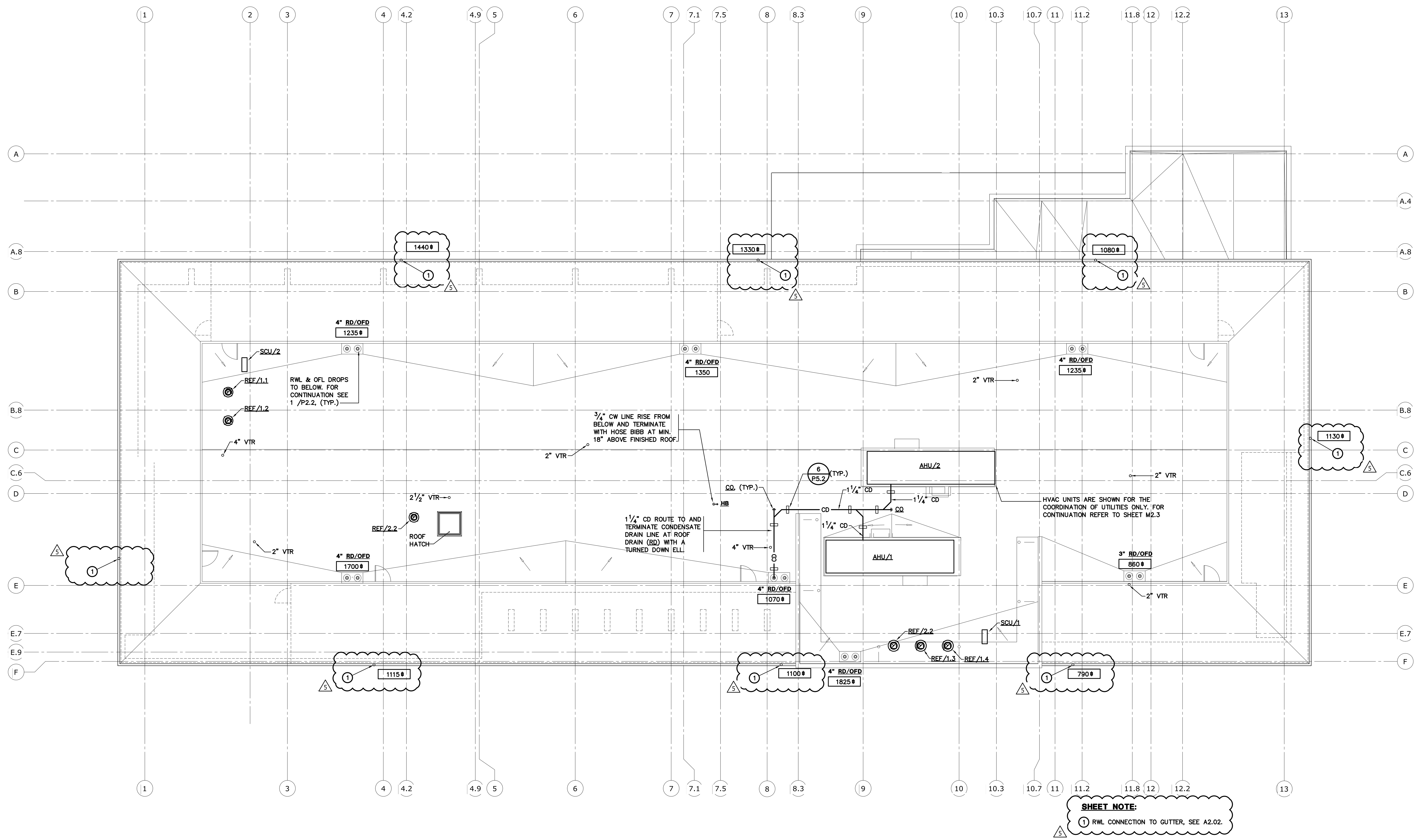
DATE SIGNED: 05/21/18



PLUMBING ROOF PLAN 1 P2.3

SCALE : 1/8" = 1'-0"

FILE NO.34-C3

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1	BACKCHECK 1		
2	BACKCHECK CHANGES		
5	ADDENDUM 3		7/03/2018

LOS RIOS COMM COLLEGE DISTRICT

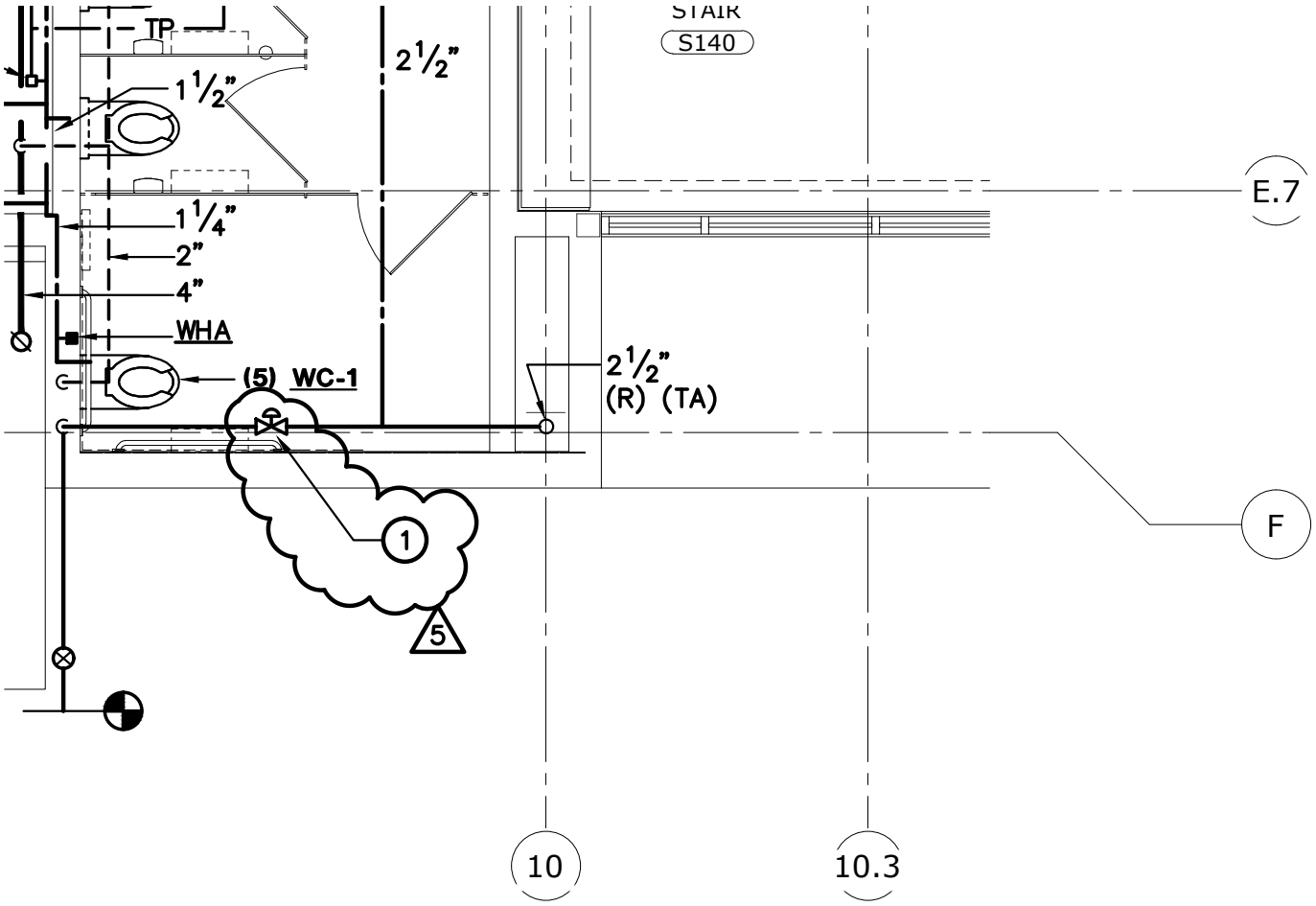
LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT
SACRAMENTO CITY COLLEGE
MOHR HALL REPLACEMENT

PLUMBING ROOF PLAN

NORTH

B5017.00
1/8"=1'-0"
July 03, 2018

P2.3



SHEET NOTES:

1. PROVIDE "ONICON" SERIES F3000 METER W/ CARBON STEEL OUTER BODY, 304 STAINLESS STEEL INTERNAL FLOW TUBE AND CLASS 150 FLANGES. INSTALL PER MANUF'S REQUIREMENTS AND TIE INTO BMS SYSTEM.

5

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ENLARGED FIRST FLOOR PLUMBING PLAN

1/8" = 1'-0"

LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT SACRAMENTO CITY COLLEGE

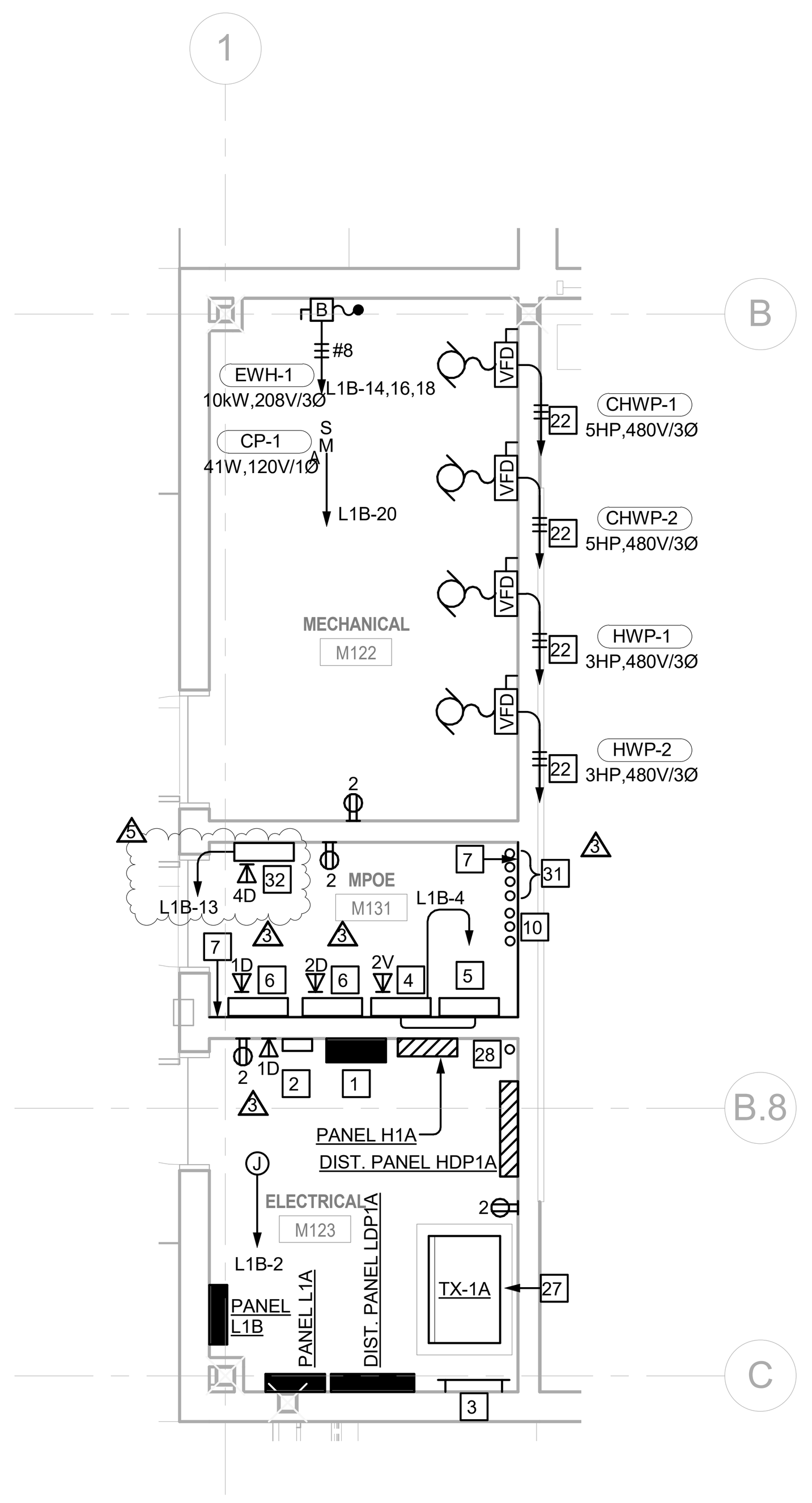
MOHR HALL REPLACEMENT

5 AD 3

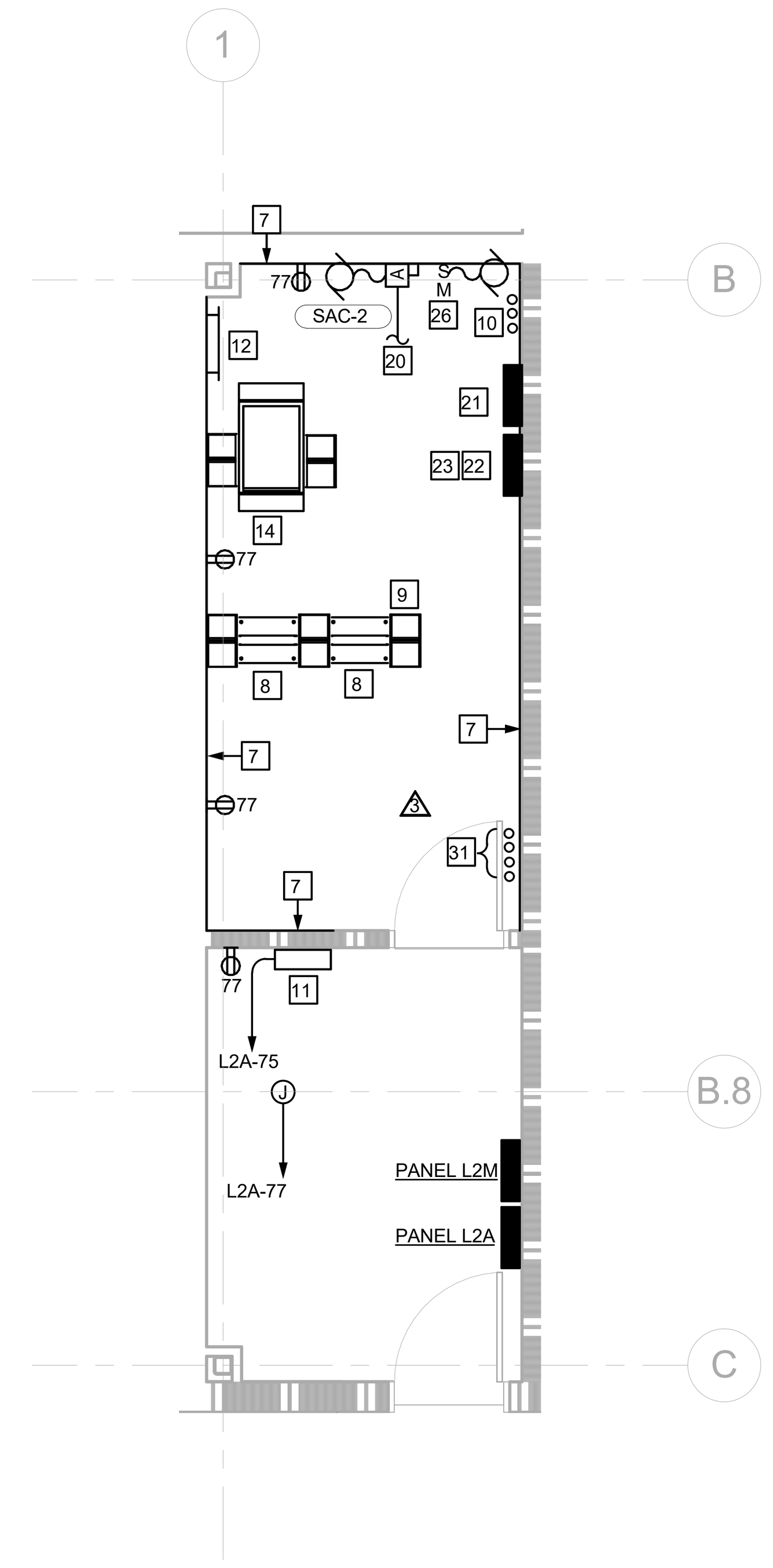
REF. SHEET:1/P4.1

7/03/18

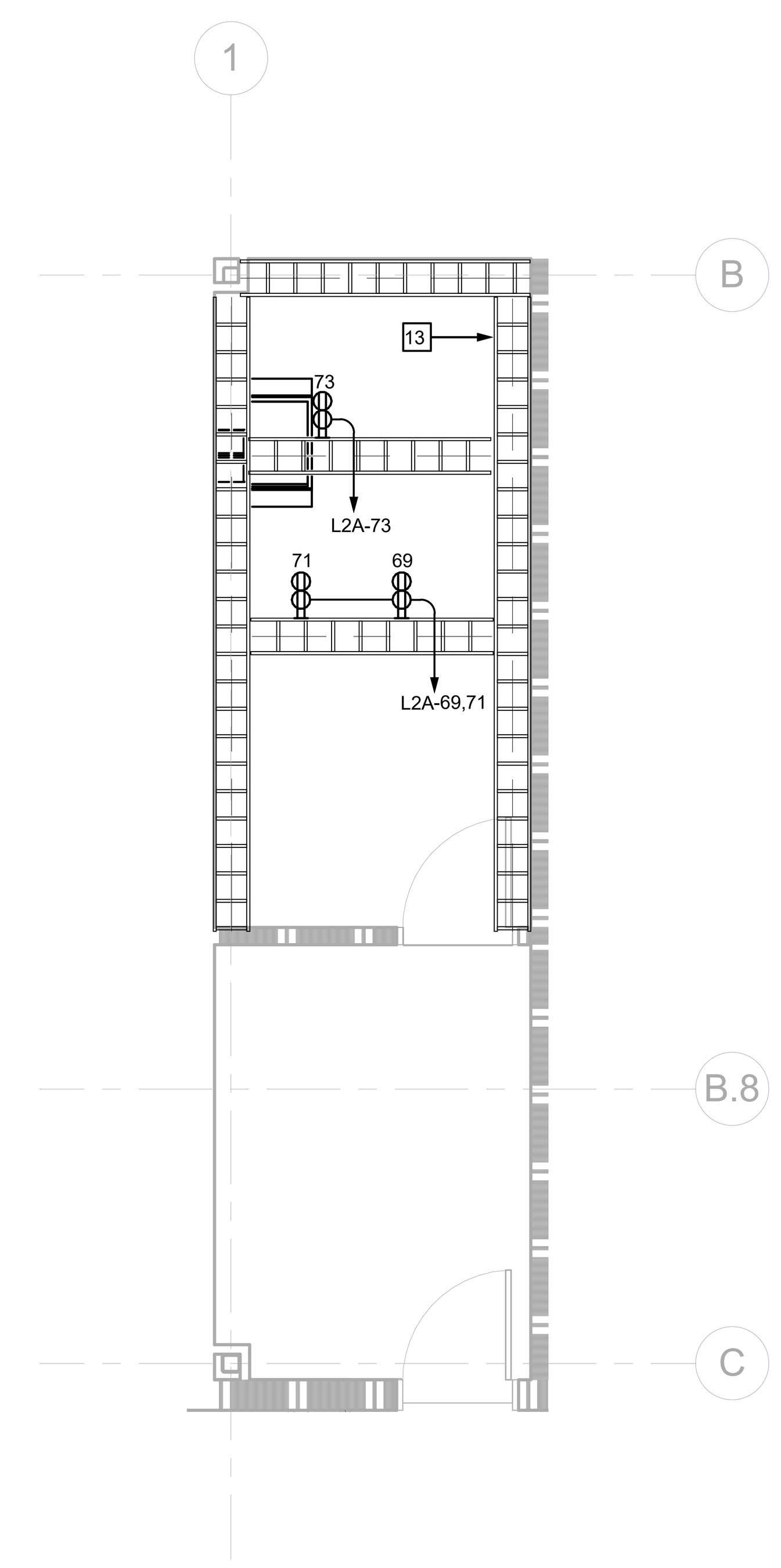
B5017.00



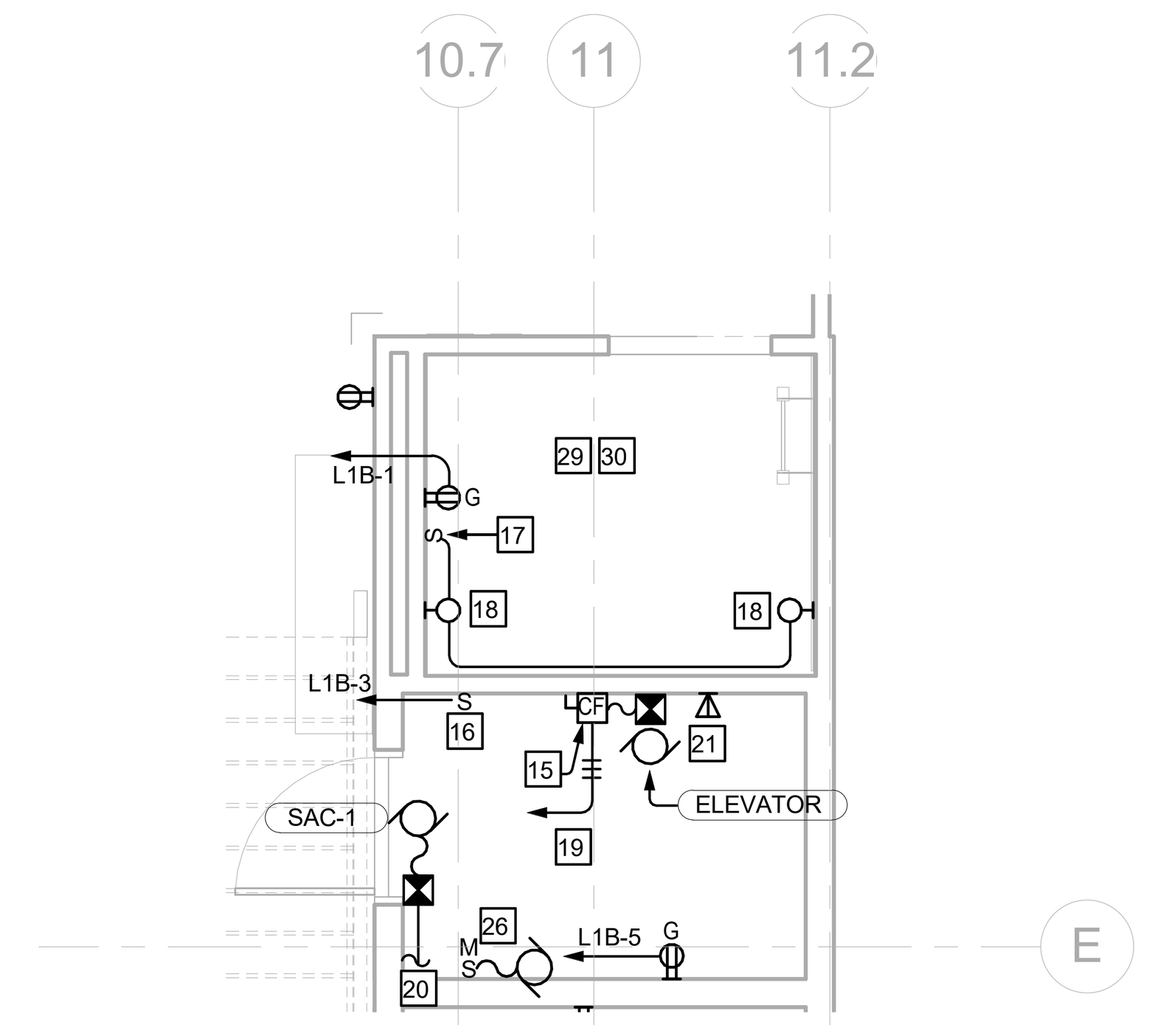
A E6.01 ELECTRICAL & MECHANICAL ROOMS - FIRST FLOOR
SCALE: 1/4" = 1'-0"



B E6.01 IDF/ELECTRICAL ROOM - SECOND FLOOR
SCALE: 1/4" = 1'-0"



C E6.01 IDF/ELECTRICAL ROOM - LADDER RACK
SCALE: 1/4" = 1'-0"



D E6.01 ELEVATOR EQUIPMENT ROOM AND PIT
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

A REFER TO DETAIL A/E8.02 FOR INSTALLATION OF WALL MOUNTED PANELBOARDS AND OTHER WALL MOUNTED EQUIPMENT.

B REFER TO SHEET DETAIL B/E8.02 FOR TYPICAL HOUSEKEEPING PAD.

C FOR TYPICAL PANELBOARDS INSTALLATION, REFER TO A/E8.02.

D DATA DROPS FOR LIGHTING CONTROL SYSTEM, BMS, FIRE ALARM, ACCESS CONTROL AND INTRUSION SHALL BE LANDED AT PATCH PANELS ON THE 4-PORT RACK.

NUMBERED SHEET NOTES

1 PROVIDE MINI-INVERTER, BODINE ELI-S-250 OR EQUAL, WALL MOUNTED ABOVE LIGHTING CONTROL RELAY PANEL.

2 PROVIDE A 4-RELAY LIGHTING CONTROL PANEL, SENSOR SWITCH NLIGHT NPANEL-4 OR EQUAL, WALL MOUNTED BELOW INVERTER.

3 BUILDING MAIN REFERENCE GROUND BUS, REFER TO B/E7.01.

4 FIRE ALARM CONTROL PANEL, SILENT KNIGHT 5820XL-EVS.

5 PROVIDE FIRE ALARM POWER SUPPLY, SILENT KNIGHT 5895XL (TOP), AND VOICE AMPLIFIER, SILENT KNIGHT EVS-125W (BOTTOM).

6 PROVIDE ACCESS AND INTRUSION SYSTEM CABINETS, REFER TO ELEVATION DETAIL E/E7.02.

7 PROVIDE PLYWOOD BACKBOARD, 4'W X 8'H X 0.75" COMMUNICATIONS GRADE AS INDICATED IN MPOE AND IDF ROOM AT +3" A.F.F. A MINIMUM OF TWO COATS OF FIRE RETARDANT PAINT, COLOR TO MATCH WALL FINISH, SHALL BE APPLIED TO ALL SURFACES OF THE BOARD PRIOR TO INSTALLATION.

8 PROVIDE 19'X84" FLOOR MOUNTED, 2-POST IDF EQUIPMENT RACKS, REFER TO INSTALLATION DETAILS. INSTALL PER A/E8.04.

9 PROVIDE 6" VERTICAL WIRE MANAGER AT THE WALL AND 10" VERTICAL CABLE MANAGERS, BETWEEN AND AT THE END OF RACK BAY.

10 LOW VOLTAGE SYSTEMS DUCT BANK/SITE CONDUITS STUB UP IN MPOE ROOM, REFER TO ELECTRICAL SITE PLAN, SHEET E1.01.

11 PROVIDE FIRE ALARM BOOSTER PANEL AND VOICE AMPLIFIER PANEL, WALL MOUNTED AND STACKED.

12 TELECOMMUNICATIONS GROUND BUS BAR.

13 OVERHEAD CABLE RUNWAY INSTALLED AT +84", REFER TO INSTALLATION DETAILS. REFER TO DETAILS B THROUGH G ON SHEET E8.04.

14 PROVIDE FLOOR MOUNTED 4-POST EQUIPMENT RACK, REFER TO SPECIFICATIONS AND INSTALLATION DETAILS. INSTALL PER A/E8.04.

15 ELEVATOR MOTOR DISCONNECTING MEANS FUSED PER ELEVATOR SHOP DRAWINGS. PROVIDE WITH AUXILIARY CONTACTS AND CONTROL WIRING BACK TO MAIN BREAKER TO SHUT DOWN ELEVATOR BATTERY POWER SUPPLY UPON SHUNT TRIP OF THE BREAKER PER CEC-620.91(C).

16 ELEVATOR CAB LIGHT AND VENTILATION DISCONNECTING MEANS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.

17 LOCATE ELEVATOR PIT LIGHT SWITCH NEAR ACCESS DOOR PER ELEVATOR SHOP DRAWINGS. RECEPTACLE AND SWITCH SHALL BE LOCATED IN A NEMA 4X ENCLOSURE IF PIT IS SPRINKLED.

18 ELEVATOR PIT LIGHT, LITHONIA VW150IM12 OR EQUAL, PROVIDE WITH LED BULB RATED FOR ENCLOSED FIXTURE, MINIMUM 1600 LUMEN OUTPUT. HIGH OUTPUT LED BULB, MIN. 1500 LUMEN OUTPUT, RATED FOR ENCLOSURE FIXTURE. ASSEMBLY SHALL BE NEMA 4X RATED.

19 ELEVATOR FEEDER FROM MAIN SWITCHBOARD, REFER TO POWER ONE-LINE DIAGRAM A/E7.01.

20 PROVIDE CONNECTION FROM OUTDOOR UNIT PER MANUFACTURERS INSTALLATION INSTRUCTIONS, REFER TO E3.03.

21 PROVIDE DEDICATED PHONE LINE.

22 HOMERUN TO HDP1A, REFER TO POWER ONE-LINE DIAGRAM.

23 BUILDING ENTRANCE PROTECTOR (BEP). REFER TO SINGLE LINE DRAWING.

24 110/100 PAIR BLOCK FOR MISCELLANEOUS CATEGORY 6 HORIZONTAL CABLES. MISCELLANEOUS CABLES INCLUDE FIRE ALARM, SECURITY TELEPHONE, ELEVATOR PHONE AND EMERGENCY PHONES.

25 110/100 PAIR BLOCK FOR POWER SUM TIE CABLES TO VOICE PATCH PANEL ON RACK. REFER TO SINGLE LINE DIAGRAMS.

26 PROVIDE 120V CONNECTION TO CONDENSATE PUMP PROVIDED WITH SAC UNIT, REFER TO MECHANICAL SCHEDULES.

27 PROVIDE HOUSEKEEPING PAD, REFER TO B/E8.02.

28 2" MTC. FOR FUTURE PV, STUB UP TO ACCESSIBLE CEILING SPACE BELOW ROOF LEVEL. REFER TO POWER ONE-LINE DIAGRAM.

29 ALL ELECTRICAL DEVICES, FIXTURES, AND EQUIPMENT CONNECTIONS UNDER 48" SHALL BE NEMA 4 WEATHERPROOF, WIRING SHALL BE IDENTIFIED FOR USE IN WET LOCATIONS IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 70.

30 PROVIDE LIGHTING AT TOP OF ELEVATOR SHAFT AS REQUIRED BY MANUFACTURER, PROVIDE A MANUAL SWITCH AND TWO F2 WALL MOUNTED FIXTURES. PROVIDE CREDIT IF NOT REQUIRED BY THE ELEVATOR MANUFACTURER.

31 PROVIDE 4-4". SLEEVES BETWEEN FLOORS, PROVIDE UL LISTED FIRESTOPPING AS REQUIRED.

32 PROVIDE 120V CIRCUIT L1B-13 AND HARDWIRED CONNECTION TO TEMPERATURE CONTROL PANEL LOCATED IN ROOM M131. PROVIDE FOUR NETWORK DROPS FROM M219 TO THE TCP. COORDINATE REQUIREMENTS WITH THE CONTROLS CONTRACTOR.

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FILE NO.34-C3
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02-116163
AC ____ FLS ____ SS ____
DATE ____________

SCOTT WHEELER
ELECTRICAL
STATE OF CALIFORNIA

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT/ENGINEER

PLAN CHECK SET

	REVISION	BY	DATE
3	REVISED PLANS		
5	ADDENDUM 3		7/03/2018

LOS RIOS COMM COLLEGE DISTRICT

LOS RIOS COMMUNITY COLLEGE SCHOOL DISTRICT
SACRAMENTO CITY COLLEGE

MOHR HALL MODERIZATION

ENLARGED ROOM PLANS

NORTH

B5017.00
1/4" = 1'-0"
July 03, 2018

E6.01

C:\Users\dzeisler\Documents\B5017.00-LosRiosCCDMohrHall-E16-Central_dzeisler.rvt
6/15/2018 10:29:00 AM

EXISTING BUILDING
TELEPH., CLOCK & FIRE ALARM PULL BOXES TO BE INSTALLED ON FOUNDATION WALL. EXACT LOCATION TO BE DETERMINED IN FIELD. TERMINATE ALL CONDUCTORS IN PULL BOXES. "C" FURTHER EXTENSION AND CONNECTION TO EXISTING SYSTEMS BY OTHERS
FREEPORT BLVD
PANEL D ON FIRST FLOOR, PANELS F & FI ON 2ND FLOOR
CONTROL PANEL
TEL. TERM. CABINET
TERMINAL CABINETS
PENTHOUSE AREA
MOTOR CONTROL CENTER IN PENTHOUSE No. 2
TYPICAL 8 FIXTURES
FIRE ALARM TERMINAL
CLOCK PULL BOX
BASEMENT AREA
TIME CLOCK & PANEL (IS) & AH
TELE. TERM. CABINET
TYPICAL CLOCK & PANELS BB, BI
UNIT POWER CENTER
TYPICAL 10 LOCATIONS SEE DETAIL "B" THIS SHT.
TYPICAL 32 LOCATIONS - SEE DETAIL "C" THIS SHEET
PLOT PLAN
SCALE: 1" = 20'-0"
SUTTERVILLE ROAD
12 TH AVE
NEW OIL FUSE DISCONNECT AT EXISTING DISTRIBUTION CENTER
SITE PLAN
SCALE: 1" = 100'-0"
EXISTING
NEW
NEW PRIMARY FEEDER 2" MIN. UNDERGROUND
36"x60"x36" PULL BOX INSTALL INSIDE CURB LINE
UNIT A
UNIT B
UNIT POWER CENTER IN BASEMENT
FIXTURE
SLIP FITTER FOR 1 1/2" I.P.S.
DETAIL "D"
SCALE: 1 1/2" = 1'-0"
MOUNTING OF PARKING LOT STANDARD FOR FIXTURE T-4/100
10 GAGGE TAPERED SHAFT 3/4" O.D. @ BOTTOM - HOT DIP GALVANIZED AFTER FABRICATION
1/2" THICK 10" SQ. BASE PLATE W/ 4 - 3/4" x 12" MACH. BOLTS - GALV. THREAD 3" - 2 NUTS EA. 10" BOLT CIRCLE
5" x 3" HANDHOLE
5/16" STEEL PLATE BUMPER GUARD 24" DIAM.
GROUT AROUND BASE PLATE AFTER PLUMB. STANDARD
BASE TO BE 4'-0" DEEP - POURED IN PLACE
CONDUIT AS REQUIRED - RUNS TO BE MIN. OF 24" BELOW FIN. GR.
PARKING LOT FIN. GR.
DETAIL "B"
SCALE: 1/2" = 1'-0"
PARKING LOT ACCESS LIGHTING - POSITION - WALKWAY FIXTURE O-2/75
2"x2" 4.3# T-BAR BUMPER GUARD ANCHORS
BUTT WELD SPLICE @ TEE BAR
5/16" x 6" FILLET WELD EACH SIDE OF TEE AT 5/16" STEEL PLATE
NOTE: GROUND STANDARD TO CONDUIT SYSTEM W/ #6 B.C. WIRE ATTACHED TO GROUNDING TYPE CONDUIT BUSHINGS & SOLDERLESS TERMINAL BOLTED TO STANDARD.
FRONT
SIDE
1" CHAMFER AROUND
DETAIL "A"
SCALE: 1 1/2" = 1'-0"
CONCRETE PEDESTAL - HOUSING WALKWAY FIXTURE R-1/100
CONDUIT AS REQUIRED
DETAIL "C"
SCALE: 1/2" = 1'-0"
CROSS-SECTION CONCRETE WALL SHOWING WALKWAY FIXTURE
CONDUIT AS REQUIRED
ELECTRICAL ENGINEER REGISTRATION NO. 3354
APPROVED BY THE STATE DIVISION OF ARCHITECTURE
APPROVED BY THE BOARD OF EDUCATION SACRAMENTO UNIFIED SCHOOL DIST.
PRESIDENT OF BOARD
HARRY J. DEVINE ARCHITECT A.I.A. SACRAMENTO, CALIF.
SITE & PLOT PLANS
SCIENCE BUILDINGS
SACRAMENTO CITY COLLEGE
SACRAMENTO CALIFORNIA
DATE
SHEET
E1
OF 6 SHEETS

SECOND FLOOR PLAN

SCALE ~ 1/8" = 1'-0"

FIRST FLOOR PLAN

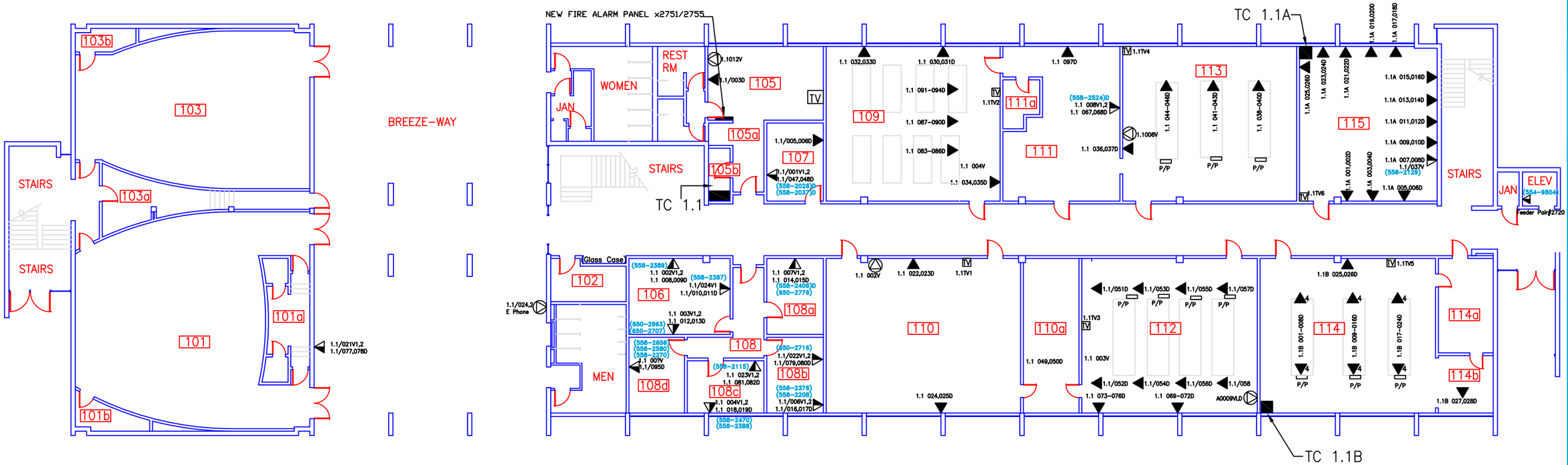
SCALE ~ 1/8" = 1'-0"

NOTE:
NORTH & SOUTH WALLS OF LECTURE RMS. A-102, A-106 (A-202.) A-220 SHALL BE CURVED AT A RADIUS OF 60'-0" AS SHOWN TYPICALLY IN RMS. A-102 & A-106. RADIUS POINTS TO BE ON SAME LINE ON WHICH POINTS 'V' & 'W' OCCUR.

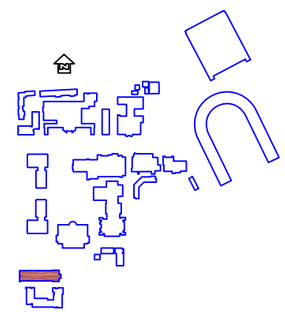
NORTH

APPROVED BY THE STATE DIVISION OF ARCHITECTURE	APPROVED BY THE BOARD OF EDUCATION SACRAMENTO UNIFIED SCHOOL DIST. PRESIDENT OF BOARD	HARRY J. DEVINE ARCHITECT A.I.A. SACRAMENTO, CALIF	FLOOR PLANS - UNIT A SCIENCE BUILDINGS SACRAMENTO CITY COLLEGE SACRAMENTO CALIFORNIA

DATE: 6-26-61
SHEET A-5 OF 9 SHEETS



A "D" AT THE END OF A PHONE NUMBER = DIGITAL PHONE
ALL OTHER TELEPHONES ARE ANALOG



SACRAMETO CITY COLLEGE
Lillard Hall Bldg. 3
FIRST FLOOR

DRAWN: B.Freeman
CONTACT: K.McCreery
CAMPUS APPROVAL:
DATE: 8/07/13
SHT NO. 1 OF 1
SCALE: NTS

REVISIONS
BY
DATE
APPR.

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