## SOLANO COMMUNITY COLLEGE 4000 SUISUN VALLEY ROAD, FAIRFIELD, CA 94534

# REROOFING OF BUILDING 1000

4000 SUISUN VALLEY ROAD, FAIRFIELD, CA 94534

#### **CODE SUMMARY & REGULATIONS**

AS A FACILITY WHICH COMES UNDER THE APPROVAL AND AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION

ADMINISTRATIVE REQUIREMENTS (PARTIAL LISTING ONLY FROM CHAPTER 4, PART 1, TITLE 24, C.C.R)

- SUBSTITUTIONS TREATED AS CCDS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24
- 5. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24

NON-COMPLYING CONSTRUCTION FOR ALTERATION PROJECTS, STATEMENTS SIMILAR TO THE ONE NOTED IN SECTION 4-317 (C), PART 1

## **ABBREVIATIONS**

M.D.F.

M.SUITE /

O.F.C.I.

R.W. / RWD

SD S.E.D.

W.W.M.

**ASPHALT CONCRETE** AREA DRAIN ADD'L ADDITIONAL ADJUSTED HEIGHT ABOVE FINISH FLOOR ALTERNATE ALUM. **ALUMINUM** AMPERE OR AMPERAGI AMERICAN PLYWOOD ASSOCIATION **ABOVE SEA LEVEL** AMERICAN SOCIETY OF TESTING MATERIALS **BELOW FINISH FLOOR** BLK'G / BLKNG BLOCKING BTM. / BOTT. BOTTOM

**ANCHOR BOLT** 

CALCULATIONS CONSTRUCTION CHANGE DOCUMENT CEMENT PLASTER CAST IRON **CONSTRUCTION JOINT CENTER LINE** CONCRETE MASONRY UNIT

CONTRACTOR CASEMENT DEMOLISH **DOUBLE PLATE** DETAIL DRINKING FOUNTAIN DIAMETER **DOWNSPOUT** DISHWASHE **EXISTING** 

ELECTRICAL ELEVATION **EXPANSION JOIN EXTRUDED POLYSTYRENE FOAM** FLOOR DRAIN FOUNDATION **FINISHED FLOOR** FLOOR JOIST FLUORESCENT FACE OF STUD FOOTING

INTERIOR

LIGHTWEIGHT

POUND

LEVEL

GALVANIZED **GROUND FAULT CIRCUIT INTERRUPTER GLUE-LAMINATED GALVANIZED SHEET METAL GYPSUM BOARD** HOSE BIBB HOLD DOWN **HEAD HEIGHT** HORIZONTAL METAL FRAME HORIZONTAL INFORMATION **INSULATION** 

STRUCTURAL 1 SHEAR WALL OR SWITCH SMOOTH 3 OR 4 SIDES THERMOSTAT TOP OF CURB TOP OF FLOOR T.O.G.B. TOP OF GRADE BEAM TOP OF PLATE TOP OF PLATE TOP OF SLAB TOP OF WALL THERMOPLASTIC POLYOLEFIN TRANSOM TONGUE AND GROOVE **UNLESS NOTED OTHERWISE VOLTS OR VOLTAGE** VERIFY IN FIELD WROUGHT IRON WEATHERPROOF WELDED WIRE FABRIC

WELDED WIRE MESH

POUND OR NUMBER

WASHER / DRYER

NATIONAL **NOT IN CONTRACT** ON CENTER OWNER-FURNISHED, CONTRACTOR-INSTALLED OPPOSITE HAND **PUSH BUTTON** PLATE HEIGHT PLYWOOD POUNDS PER SQUARE INCH PRESSURE TREATED

MINIMUM

POWDER RECOMMENDATION REINFORCING REDWOOD SELF-ADHESIVE FLASHING SOLID CORE SEE ARCHITECTURAL DRAWINGS

SEE CIVIL DRAWINGS SMOKE DETECTOR SEE FLECTRICAL DRAWINGS SQUARE FOOT

SEE LANDSCAPE DRAWINGS SEE MECHANICAL DRAWINGS SEE PLUMBING DRAWINGS SQUARE INCH SEE STRUCTURAL DRAWINGS

CT-1

FINISH MATERIAL INDENTIFICATION

**SHEET NUMBER** 

**SCOPE OF WORK** 

SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING

DEMOLITION OF EXISTING TILE ROOF DOWN TO STRUCTURAL DECK, AND INSTALLATION OF NEW METAL ROOF SYSTEM AND ASSOCIATED TRIM AND FLASHING.

#### **DEFERRED APPROVALS**

THE FOLLOWING ITEMS SHALL BE SUBMITTED FOR DEFERRED APPROVAL:

NONE

#### SHEET LIST

#### STATEMENT OF GENERAL CONFORMANCE

THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OF CONSULTANTS WHO ARE LICENSED AND/OR AUTHORZIED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN

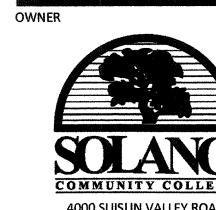
DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE

LIST OF ITEMS REVIEWED AND ACCEPTED: ALL ITEMS IN THE SHEET INDEX, EXCEPT ARCHITECTURAL DRAWINGS

11/15/17

**EXPIRATION DATE** 

ARCHITECT



FAIRFIELD, CA 94534

303 POTRERO STREET, SUITE 78 I SANTA CRUZ, CA 95060 40 SOUTH FIRST STREET, SUITE 40A | SAN JOSE, CA 95113

> WWW,MADI-ARCH,COM PI 800.725.0571

CONSULTANT

PROFESSIONAL STAMP:



**RE-ROOFING OF** 

4000 SUISUN VALLEY ROAD BLDG. 1000

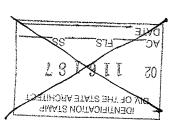
FAIRFIELD, CA 94534

DATE DESCRIPTION DSA SUBMITTAL 8/21/17

PROJECT CODE: SCCD-12 START DATE: DRAWN BY: **CHECKED BY:** 

SHEET NAME:

AGENCY APPROVAL:



555: J. O'DONNEL SHEET NUMBER:

FILE: 48-C1

IDENTIFICATION STAMP

FLS: K. LAVELLA

SERVICES (DSA), THIS PROJECT IS SUBJECT TO DRAWING AND JOB SITE REVIEW BY A REPRESENTATIVE OF DSA.

1. A COPY OF PARTS 1 AND 2, TITLE 24, C.C.R. AND ALL SECTIONS OF THE CALIFORNIA BUILDING CODE (9 VOLUMES) SHALL BE KEPT ON

3. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART

NOT ADDRESSED BY THE CONTRACT DOCUMENTS AND AFFECTING COMPLIANCE OF FINISHED WORK A CONSTRUCTION CHANGE DOCUMEN

**GOVERNING CODES** 

 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AISC MANUAL OF STEEL CONSTRUCTION, 14TH EDITION 2015 ANSI/AWC NDS-1S REVISED NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION ASTM STANDARDS CHANGES (EXAMPLE: ASTM E648-04 STANDARD TEST METHOD FOR CRITICAL RADIANT FLUX OF FLOOR) 2012 ICC 300-12 STANDARDS ON BLEACHERS, FOLDING TELESCOPIC SEATING & GRANDSTANDS 2016 NFPA 13-16 AUTOMATIC SPRINKLER SYSTEMS, WITH 2016 CBC AMENDMENTS • 2013 NFPA 14-13 INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS, WITH 2016 CBC AMENDMENTS 2013 NFPA 17-13 DRY CHEMICAL EXTINGUISHING SYSTEMS 2013 NFPA 17A-13 WET CHEMICAL EXTINGUISHING SYSTEMS 2016 NFPA 20-16 INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION 2013 NFPA 22-13 WATER TANKS FOR PRIVATE FIRE PROTECTION 2016 NFPA 24-16 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES. WITH 2016 CBC AMENDMENTS • 2008 NFPA 2S-13CA INSPECTION, TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS, CALIFORNIA EDITION 2016 NFPA 72-16 NATIONAL FIRE ALARM CODE, WITH 2016 CBC AMENDMENTS 2016 NFPA 110-16 EMERGENCY AND STANDBY POWER SYSTEMS 201S NFPA 2001-15 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, WITH 2016 CBC AMENDMENTS UL STANDARD CHANGES (EXAMPLE: 200S UL 38 MANUAL OPERATING SIGNAL BOXES) (D) OR DEMO 2003 UL 464-03 AUDIBLE SIGNAL APPLIANCES • 1999 UL S21-99 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS 2002 UL 1971 SIGNALING DEVICES FOR HEARING IMPAIRED DET. OR DTL.

### **EQUIPMENT ANCHORAGE NOTES**

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER DETAILS ON DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10

L. ALL PERMANENT EQUIPMENT AND COMPONENTS

2016 CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, PART 1

• 2016 CALIFORNIA EXISTING BUILDING CODE, TITLE 24, PART 10

• 2016 CALIFORNIA REFERENCED STANDARDS, TITLE 24, PART 12

2016 CALIFORNIA GREEN BUILDING STANDARDS, TITLE 24, PART 11

2016 CALIFORNIA ELECTRICAL CODE, TITLE 24, PART 3

2016 CALIFORNIA PLUMBING CODE, TITLE 24, PART S

2016 CALIFORNIA ENERGY CODE, TITLE 24, PART 6

2016 CALIFORNIA FIRE CODE, TITLE 24, PART 9

TITLE 19 CCR STATE FIRE MARSHAL REGULATIONS

ACI 318-14 CODE AND COMMENTARY

2016 CALIFORNIA MECHANICAL CODE, TITLE 24, PART 4

2016 CALIFORNIA BUILDING CODE, TITLE 24, PART 2, VOLUMES 1 AND 2

2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH 3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED

TO BE ANCHORED WITH TEMPORARY ATTACHMENTS. THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENTS AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT:

1. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR 2. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR SHALL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL SYSTEM DISTRIBUTION SYSTEM BRACING NOTE

ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

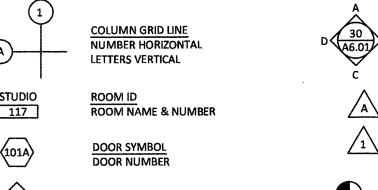
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10, SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7 AND 13.6.5.6, AND 2016 CBC SECTIONS 1616A.1.23 THROUGH 161SA.1.26. BRACING AND ATTACHMENT TO THE STRUCTURE SHALL BE DETAILED ON APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA#) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MEDIUM-DENSITY FIBERBOARD MANUFACTURER **BUILDING 1000 MASTER SUITE SOLANO COMMUNITY COLLEGE** 4000 SUISUN VALLEY ROAD FAIRFIELD, CA 94534

**SYMBOLS** 

PROJECT LOCATION



DETAIL IDENTIFICATION

DETAIL IDENTIFICATION

ADDENDUM LETTER

**REVISION CLOUD** 

SHEET NUMBER / ELEVATION

SUPPLEMENTAL INSTRUCTION

- A. ALL EXISTING EQUIPMENT ON ROOF TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EQUIPMENT UTILITY LINES AND OTHER DEVICES EXISTING ON THE ROOF
- B. CONTRACTOR IS REQUIRED TO VERIFY ALL EXISTING EQUIPMENT
- C. CONTRACTOR IS REQUIRED TO VERIFY ALL DIMENSIONS
- D. CONTRACTOR IS REQUIRED TO NOTIFY THE OWNER, ITS REPRESENTATIVE & THE ARCHITECT PRIOR TO DISCONNECTING ANY EXISTING EQUIPMENT AND/OR UTILITY LINES. PROVIDE MINIMUM OF 48-HOUR WRITTEN NOTICE PRIOR TO DISCONNECTING.
- E. CONTRACTOR IS RESPONSIBLE FOR STAGING, FENCING AND SECURITY OF ALL MATERIALS AND EQUIPMENT.
- F. REMOVE EXISTING BUILT UP ROOF TO EXISTING SLOPED PLYWOOD SHEATHING. CLEAN ROOF AND REMOVE ANY DEBRIS, NAILS AND OTHER APPURTENANCES PRIOR TO INSTALLING NEW ROOF.
- G. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNER, OWNERS REPRESENTATIVE & ARCHITECT OF ANY EXISTING DEFORMITIES SUCH AS MOLD, DRY ROT ETC. STRUCTURAL DEFICIENCIES IN EXISTING STRUCTURE REVEALED DURING THE DEMOLITION PHASE WILL NEED TO ADDRESSED BY THE STRUCTURAL ENGINEER AND MAY REQUIRE APPROVAL OF DIVISION OF STATE ARCHITECT (DSA). IN SUCH CASES, CONTRACTOR IS REQUIRED TO PROCEED WITH THAT PORTION OF WORK ONLY AFTER WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER AND/OR DSA. THIS DETERMINATION WILL BE MADE BY THE ARCHITECT AND ITS ENGINEER AND THE CONTRACTOR WILL BE PROVIDED A WRITTEN DIRECTIVE ON REMEDYING THE DEFICIENCY. ANY WORK CARRIED OUT PRIOR TO OR WITHOUT APPROVAL OF ENGINEER OR DSA (AS CASE MAY BE), WILL BE AT RISK. THE OWNER, ITS REPRESENTATIVE AND THE ARCHITECT (AND ITS ENGINEERS) WILL NOT BE RESPONSIBLE FOR ANY COSTS INCURRED FOR NON-COMPLIANT WORK CARRIED OUT WITHOUT THE EXPRESS APPROVAL OF THE
- H. PROVIDE PRECAST CONCRETE SPLASH BLOCK AT ALL EXISTING AND NEW DOWNSPOUTS THAT ARE DAYLIGHTED TO PAVEMENT AND LANDSCAPED AREAS. SPLASHBLOCKS TO SLOPE AWAY FROM BUILDING. AVOID PLACEMENT OF SPLASH BLOCKS WHERE IT DIRECTLY INTERFERES WITH PATH OF TRAVEL OR POSES A HAZARD. SPLASH BLOCKS TO HAVE MINIMUM DIMENSION OF 20"L X 12"W X 3"H. PROVIDE CUT SHEETS AND SAMPLE OF SPLASH BLOCK AS PART
- ALL EXISTING PIPING, CONDUIT, OR STRUCTURAL PENETRATIONS THROUGH ROOF ARE TO BE FLASHED PER ROOFING MFR'S

- DEMO (E) ROOF TILES & ALL ASSOCIATED FASTENERS, BATTENS, FLASHING & UNDERLAYMENT DOWN TO STRUCTURAL DECK, TYP. THROUGHOUT
- DEMO (E) FASCIA BOARD, ROOF GUTTER, & DOWNSPOUT, TYP.
- (E) GREENHOUSE ROOF TO REMAIN; PROTECT DURING CONSTRUCTION
- (N) STANDING-SEAM METAL ROOF SYSTEM, TYP. CLASS "B". SEE
- (N) FASCIA BOARD & FACTORY-FINISHED METAL GUTTER & DOWNSPOUT TO MATCH METAL ROOFING, TYP. SEE DETAIL 4/A8.1
- 3 (N) DOWNSPOUT, DAYLIGHT @ PROVIDE CONC. SPLASHBLOCK

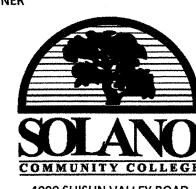
ARCHITECT

ARCHITECTURE + PLANNING

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OWNER



4000 SUISUN VALLEY ROAD FAIRFIELD, CA 94534

CONSULTANT

PROFESSIONAL STAMP:



PROJECT:

**RE-ROOFING OF BUILDING 1000** 

4000 SUISUN VALLEY ROAD BLDG. 1000 FAIRFIELD, CA 94534

SUE	DATES	***************************************
REV	DESCRIPTION	DATE
-	DSA SUBMITTAL	8/21/17
ROJECT CODE:		SCCD-12
TART DATE:		5/1/17

DRAWN BY: **CHECKED BY:** 

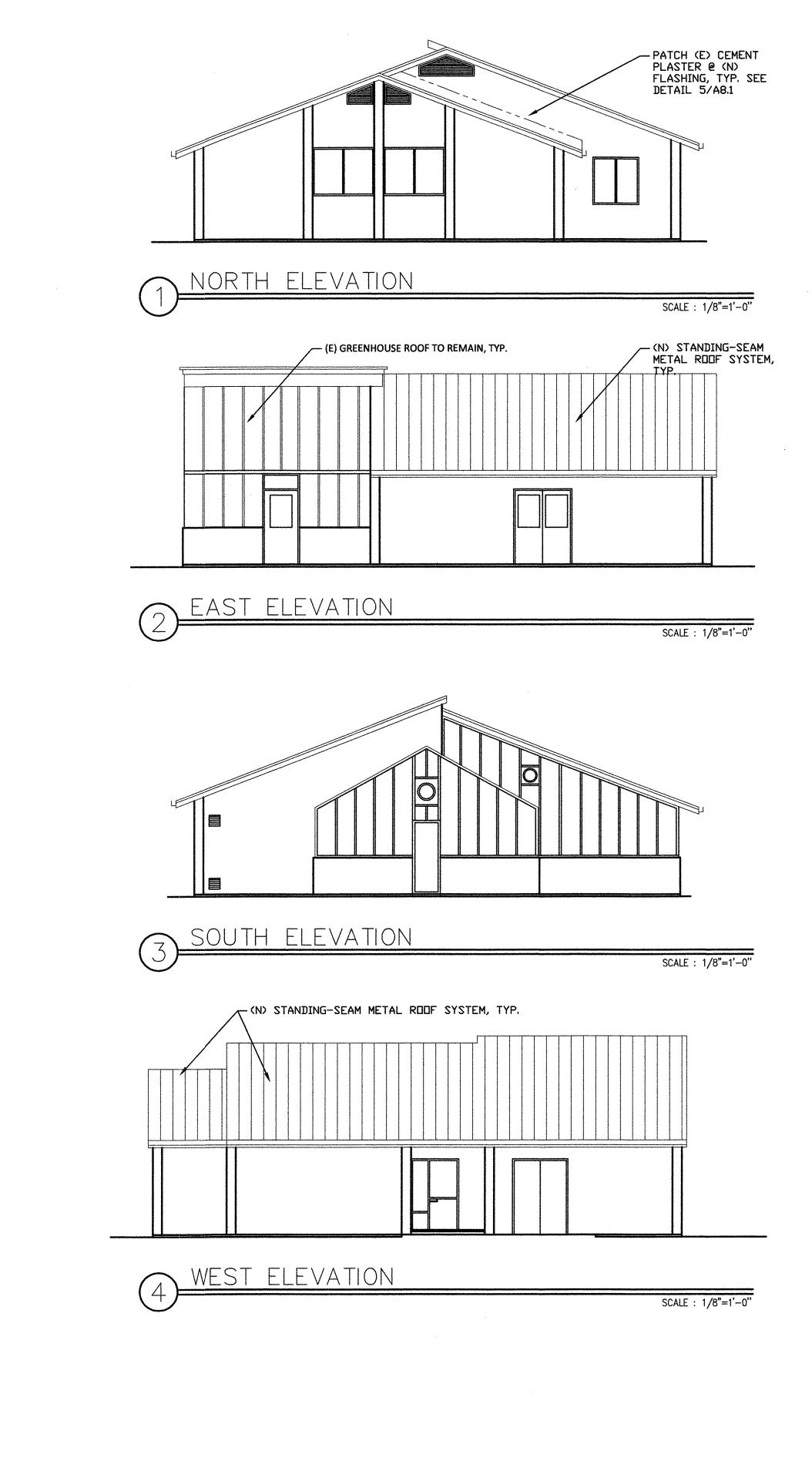
SHEET NAME:

**ROOF PLANS** 

AGENCY APPROVAL:

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

SHEET NUMBER:



ARCHITECT

ARCHITECTURE + PLANNING

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4000 SUISUN VALLEY ROAD FAIRFIELD, CA 94534 CONSULTANT

PROFESSIONAL STAMP:



COMMUNITY COLLEGE DISTRICT

1000

PROJECT:

**RE-ROOFING OF BUILDING 1000** 

4000 SUISUN VALLEY ROAD BLDG. 1000 FAIRFIELD, CA 94534 DESCRIPTION DSA SUBMITTAL 8/21/17

PROJECT CODE: SCCD-12 5/1/17 START DATE: DRAWN BY: **CHECKED BY:** 

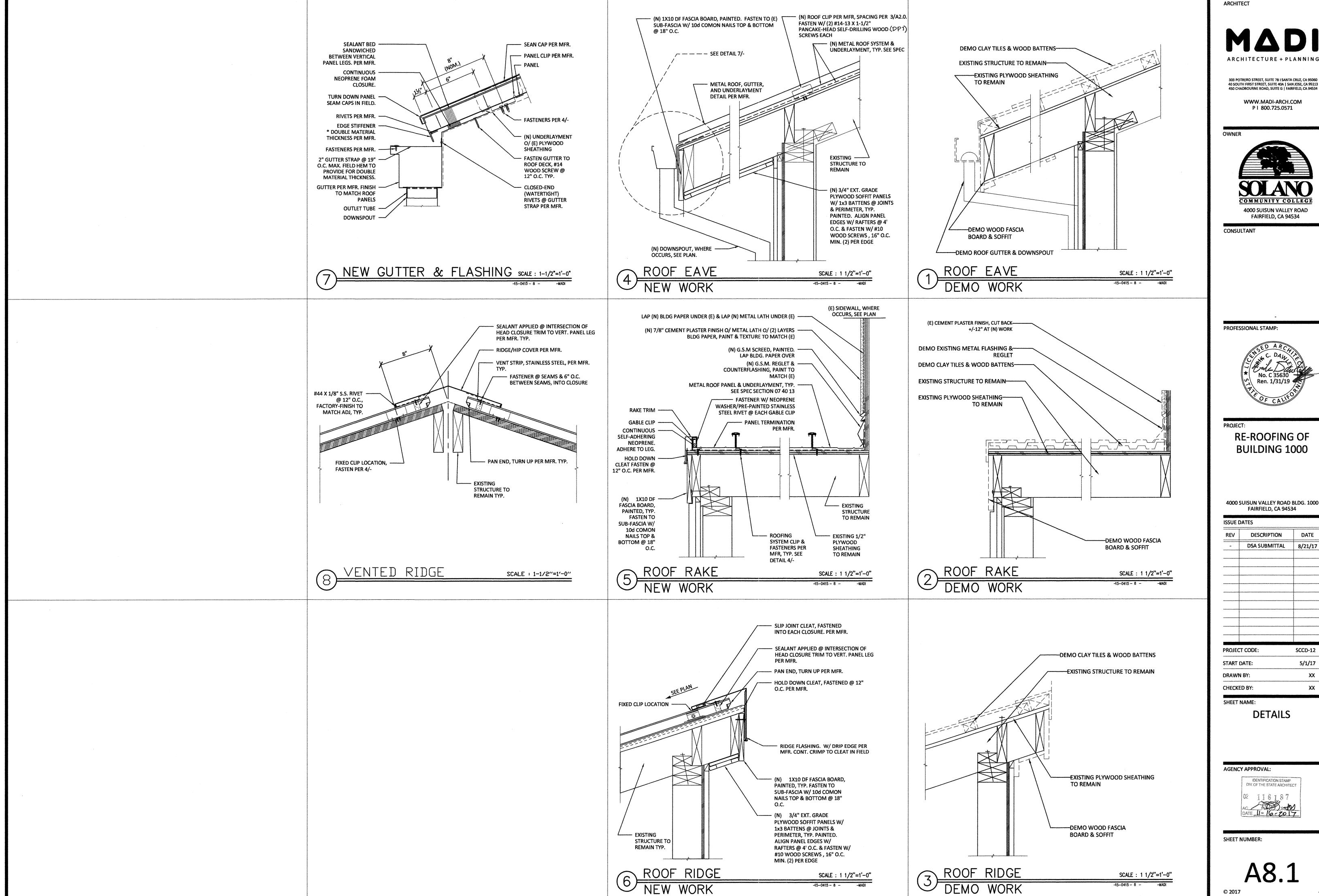
SHEET NAME:

BUILDING **ELEVATIONS** 

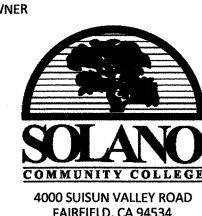
AGENCY APPROVAL:

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4000 SUISUN VALLEY ROAD BLDG. 1000

	DSA SUBMITTAL	8/21/17
DJECT CODE:		SCCD-12
ART DATE:		5/1/17
AWN BY:		XX

