

NO.	REVISIONS/REVISIONS	DATE
1	ISSUE FOR PERMIT	03/09/09
2	100% SCHEDULED DESIGN SUBMITTAL	03/09/09
3	90% DESIGN DEVELOPMENT SUBMITTAL	03/09/09
4	100% DESIGN DEVELOPMENT SUBMITTAL	03/09/09
5	FINAL DESIGN DEVELOPMENT SUBMITTAL	03/09/09
6	REVISION #2	10/09/09
7	REVISION #3	10/09/09
8	REVISION #4	11/11/09
9	REVISION #5	03/11/09
10	REVISION #6	03/11/09
11	REVISION #7	03/11/09



DIVISION OF THE  
STATE ARCHITECT  
APPL # 01-110117  
FILE # ARCH  
AG RS  
SSS DWG  
IDENTIFICATION  
STAMP

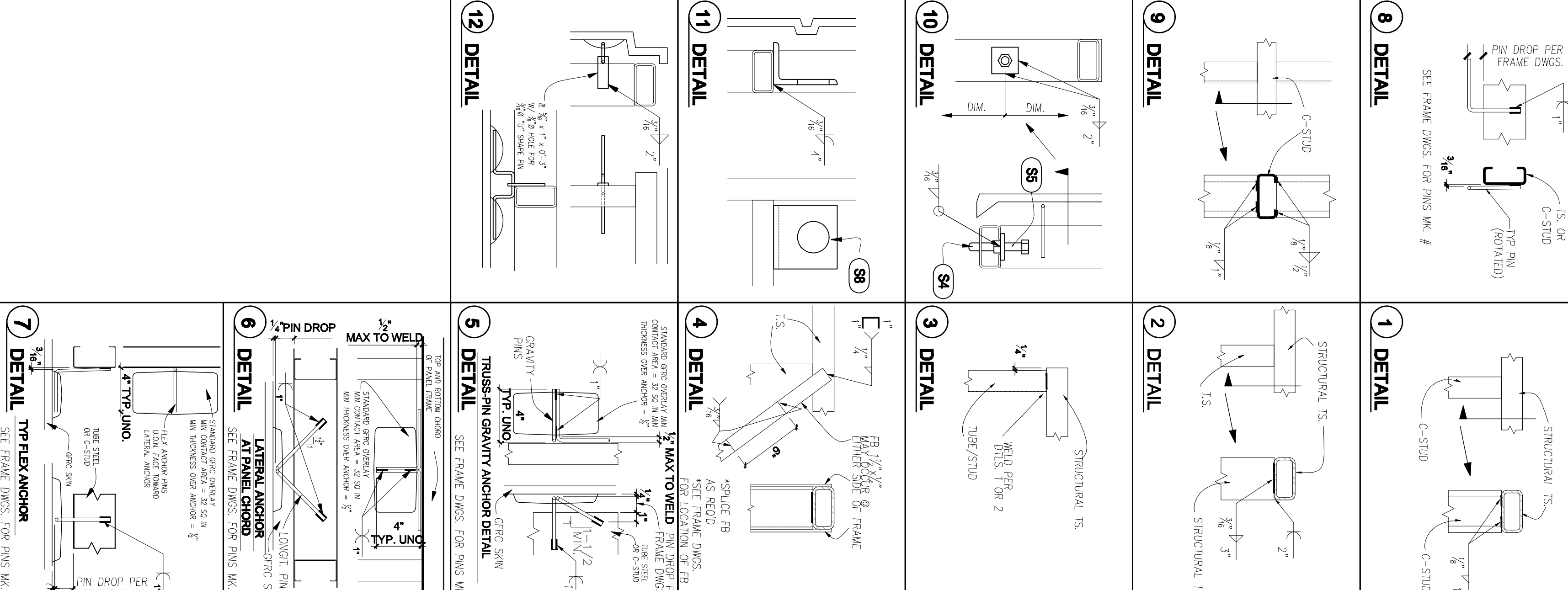
**SKYLINE COLLEGE**  
SAN JUAN COUNTY  
COMMUNITY COLLEGE  
DRYSD  
**CIP2 DESIGN-BUILD**  
**PROJECT**  
**BUILDING 4**  
**INCREMENT 2**

PROJECT NO. 0701200 DRAWN BY: JDC/CA  
DATE: 04/08/09 CHECKED BY:  
SCALE: \_\_\_\_\_

**AS BUILT DRAWINGS**  
**JANUARY 12, 2011**

PC-001

**TYP FRAME TYPES AND FRAME DETAILS**



**ISSUED FOR**  
SEP 29 2009  
**CONSTRUCTION**

**DETAIL KEY**

NOTES:  
1. STUD AREA AT JOINT WHERE PINS ARE SHOWN.  
2. NOMINAL PIN SPACING IS 2'-0" IN EITHER DIRECTION.  
3. MAX UNSUPPORTED DISTANCE FROM PIN TO EDGE OF PANEL IS 8'-0".  
4. SEE SHOP FROM FABRICATION DETAIL.  
5. Frame Fabrication Detail

**PANEL FRAME MATERIALS**

A. COOL POWER STEEL FRAMING: MANUFACTURER'S STANDARD C-SHAPED STEEL FRAMING COMPLYING WITH AISC'S "Specification for the Design and Fabrication of Structural Steel Buildings".  
B. INSULATED STRUCTURAL SECTIONS: ASTM A500 Grade B  
C. PLATES: PLAT S80S, A572 GR50 AND CHANNELS: ASTM A99  
D. TRUSS ANCHORS: ASTM A108, A572 GR50 PROVIDED WITH DIMENSIONS AND SHAPE SPECIFIED ON THE DRAWINGS. ZING COATED BY ELECTRODEPOSITION COMPLYING TO ASTM B680, 600  
E. BOLTS: A507

**GFRFC PROPERTIES**

Actual Stress at Service 291  
Design Ultimate/Service Stress (Dist.) At Ultimate per Table 4.1.1.1 378  
Design Ultimate/Service Stress (Dist.) At Ultimate per Table 4.1.1.1 700  
Production of GFRFC panels and the testing thereof shall be performed in a plant certified under the PCI Plant Certification Program. The actual values of the properties shall be provided to the designer. The actual values of these properties do not guide the design of the GFRFC. The actual values of these properties do not guide the design of the GFRFC. The actual values of these properties do not guide the design of the GFRFC. The actual values of these properties do not guide the design of the GFRFC.

**GFRFC TESTING**

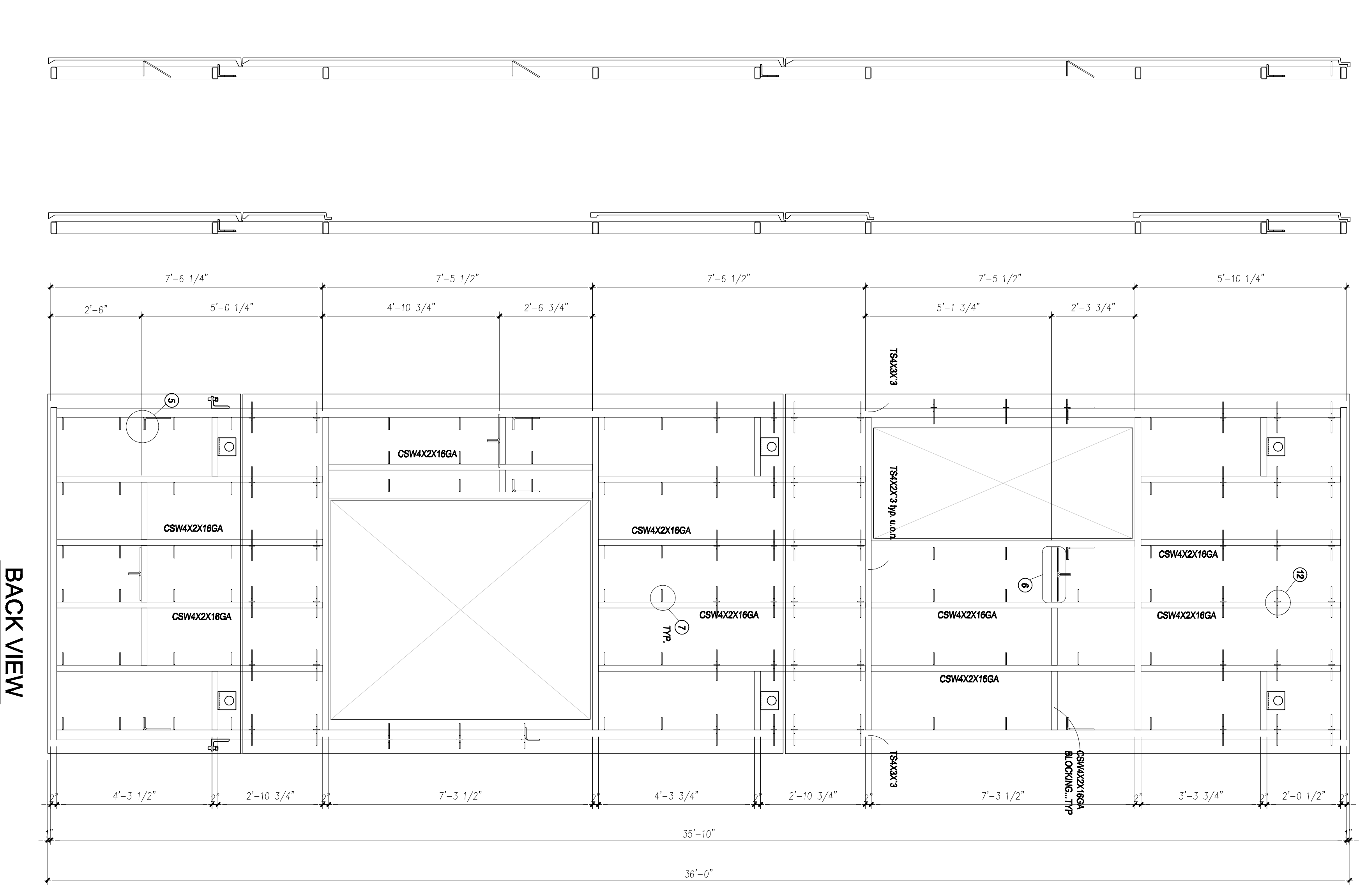
A. QUALITY CONTROL PROGRAM SHALL MONITOR GLASS FIBER COUNT, STRAY FIBER, UNIT WEIGHT, PRODUCT PHYSICAL PROPERTIES, ANCHOR PIN AND SHEAR STRENGTH, AND CURING PERIOD AND CONDITIONS.  
B. PREPARE TEST SPECIFICATIONS AND TEST ACCORDING TO ASTM C1282 AND PCI MNL 130 PROCEDURES.  
C. TEST GFRFC ANCHORS ACCORDING TO ASTM C1280 TO VALIDATE DESIGN VALUES.  
D. PRODUCE TEST BOARDS AT A RATE OF NOT LESS THAN ONE PER WORK SHIFT.  
E. TEST GFRFC ANCHORS ACCORDING TO ASTM C1280 TO VALIDATE DESIGN VALUES.  
F. FLEXURE, BONDING AND PULL-OUT (PIN-PULL), AND TENSILE TEST SHALL BE TESTED BASED FOLLOWING DESIGN VALUATION PER PCI MNL 130 CHAPTER 2.1.5  
G. TEST GFRFC ANCHORS ACCORDING TO ASTM C1280 TO VALIDATE DESIGN VALUES.  
H. PRODUCE TEST BOARDS AT A RATE OF NOT LESS THAN ONE PER WORK SHIFT.  
I. TEST GFRFC ANCHORS ACCORDING TO ASTM C1280 TO VALIDATE DESIGN VALUES.  
J. TEST GFRFC ANCHORS ACCORDING TO ASTM C1280 TO VALIDATE DESIGN VALUES.

**GFRFC MATERIALS AND NOTES**

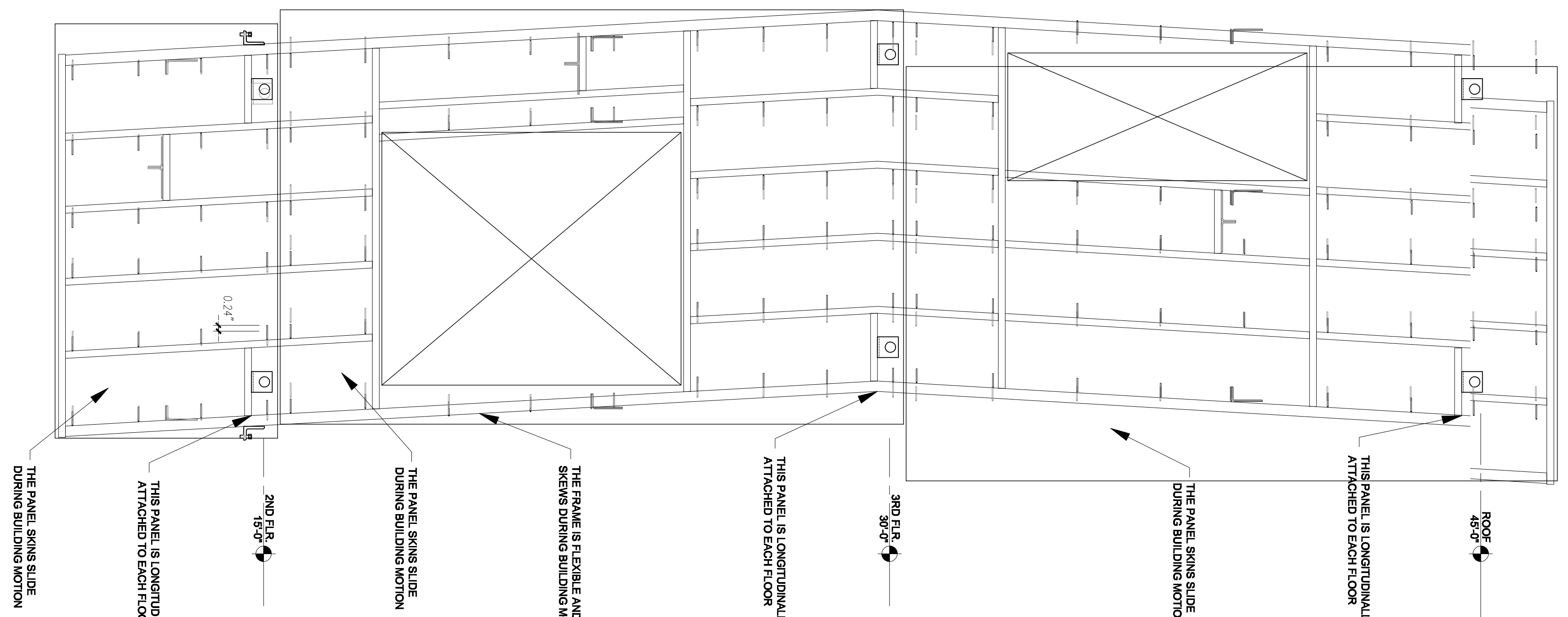
A. THE PRODUCTION OF THESE GFRFC PANELS AND THE TESTING THEREOF ARE TO BE PERFORMED IN A FACILITY CERTIFIED UNDER THE PCI PLANT CERTIFICATION PROGRAM FOR THE MANUFACTURE OF GFRFC PRODUCTS.  
B. THE ARCHITECTURAL FACE MIX SHALL BE 1/8" TO 1/4" THICK.  
C. THE STRUCTURAL BACK-UP MIX SHALL BE A MINIMUM OF 1/2" THICK, LAYED UP IN TWO PASSES.  
D. MATERIALS  
1. PORTLAND CEMENT: ASTM C150, TYPE I, II, OR III  
2. METAKAOLIN: ASTM C150, TYPE I, II, OR III  
3. GLASS FIBERS: ALKALI RESISTANT WITH A MINIMUM ZINC OXIDE CONTENT TO 2 INCHES LONG, SPECIFICALLY PRODUCED FOR USE IN GFRFC AND COMPLYING WITH PCI MNL 130.  
4. AGGREGATES: ASTM C63 (EXCEPT FOR GRAVEL), PROPORTIONED FOR THE MANUFACTURE OF GFRFC PRODUCTS.  
5. COLOR ADJUSTERS: ASTM C494, SYNTHETIC MINERAL OXIDE PIGMENTS  
6. WATER: POTABLE AND FREE OF DELETERIOUS MATERIALS THAT MAY AFFECT COLOR, STABILITY, SETTING OR STRENGTH OF GFRFC.  
7. CHEMICAL ADJUSTERS: ASTM C494, CONTAINING NOT MORE THAN 0.1 PERCENT CHLORIDE IONS.  
8. POLYMER CURING ADJUSTER: ACRYLIC THERMOPLASTIC COPOLYMER DISPERSION COMPLYING WITH PCI MNL 130.  
9. GFRFC AND COMPLYING WITH PCI MNL 130.

**SECTION A SECTION B**

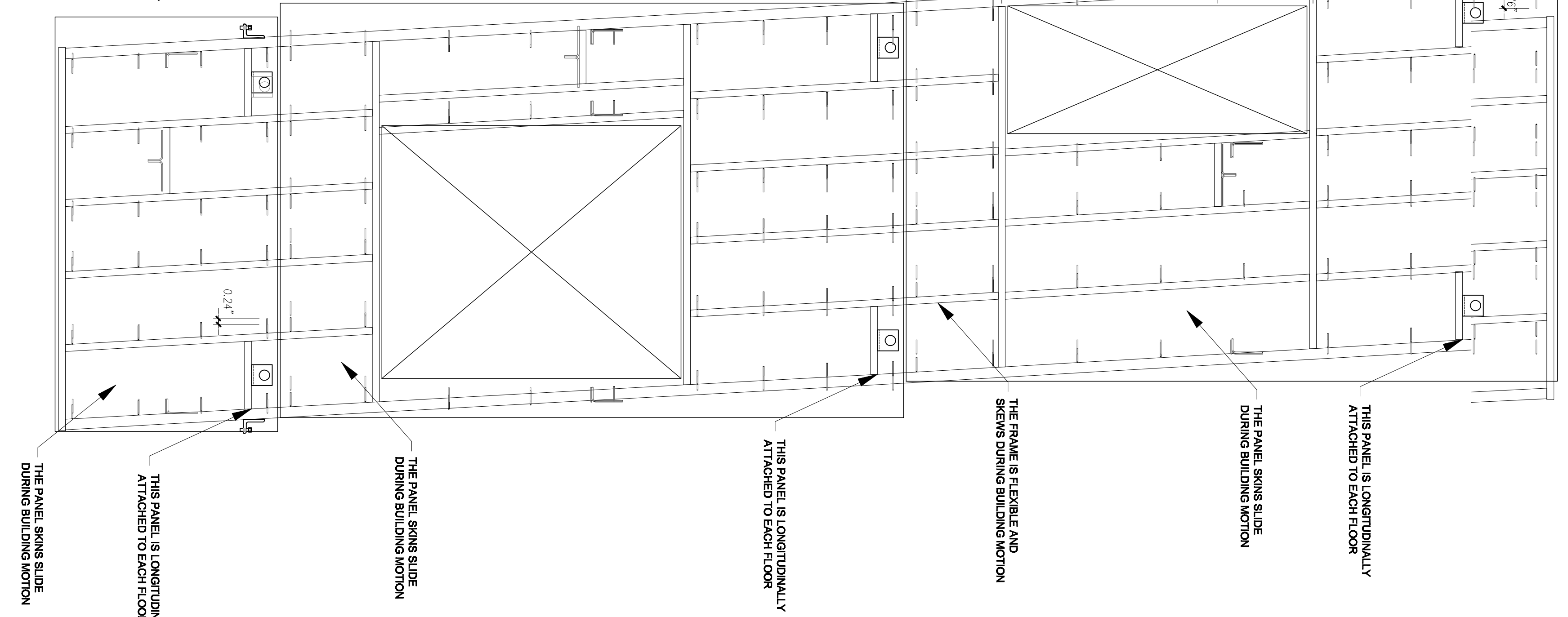
**PANEL A2.3 TYPICAL VERTICAL MULTI FLOOR PANEL**



**BACK VIEW**



**PANEL MOTION STUDY (2ND MODE)**



**PANEL MOTION STUDY (1ST MODE)**

