

## GYPSUM CEMENT UNDERLAYMENT

### RECOMMENDED SPECIFICATION FOR GYP-CRETE® FLOOR UNDERLAYMENT IN MULTIFAMILY HOUSING

#### PART 1 GENERAL

##### 1.01 SUMMARY

- A. This is the recommended specification for Gyp-Crete Floor Underlayment in multifamily housing.

##### 1.02 SECTION INCLUDES

- A. Gyp-Crete gypsum cement
- B. Maxxon Floor Primer
- C. Maxxon Overspray

##### 1.03 QUALITY ASSURANCE

- A. Installer's Qualifications: Installation of Gyp-Crete shall be by an applicator authorized by the Maxxon Corporation using Maxxon approved mixing and pumping equipment.

##### 1.04 DELIVERY, STORAGE AND HANDLING

- A. General Requirements: Materials shall be delivered in their original, unopened packages, and protected from exposure to the elements. Damaged or deteriorated materials shall be removed from the premises.

##### 1.05 SITE CONDITIONS

- A. Environmental Requirements: Before, during and after installation of Gyp-Crete, building interior shall be enclosed and maintained at a temperature above 50 degrees F (10 degrees C).

#### PART 2 PRODUCTS

##### 2.01 MATERIALS

- A. Gypsum Cement: Floor underlayment Gyp-Crete gypsum cement as manufactured by the Maxxon Corporation, Hamel, MN. All others must receive prior approval.
- B. Sand Aggregate: Sand shall be 1/8 inch (3 mm) or less, washed masonry or plaster sand, meeting requirements of Maxxon Corporation Sand Specifications 101.
- C. Mix Water: Potable, free from impurities.
- D. Subfloor Primer: Maxxon Floor Primer
- E. Sealer: Maxxon Overspray

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## 2.02 MIX DESIGNS

- A. General Requirements: Mix proportions and methods shall be in strict accordance with product manufacturer recommendations.

## PART 3 EXECUTION

### 3.01 PREPARATION

- A. Condition and Cleaning of Subfloor: Subfloor shall be structurally sound. General Contractor shall clean subfloor to remove mud, oil, grease, and other contaminating factors before the arrival of the Gyp-Crete underlayment crew.
- B. Leak Prevention: Fill cracks and voids with a quick setting patching or caulking material where leakage of Gyp-Crete could occur.
- C. Priming Subfloor: Prime the subfloor using the Maxxon Floor Primer. Priming instructions may vary according to the type of substrate, multiple coats may be necessary.
- D. Expansion Joints: Allow joints to continue through the Gyp-Crete at the same width.

### 3.02 APPLICATION OF CEMENTITIOUS FLOORING

- A. Scheduling: Application of Gyp-Crete shall not begin until the building is enclosed, including roof, windows, doors, and other fenestration. Install after drywall installation unless tenant finish requirements identify partitioning after the pour.
- B. Application: Place Gyp-Crete at 3/4 inch (19 mm) minimum over wood frame, 1/2 inch (13 mm) minimum over plank or poured in place concrete. Spread and screed Gyp-Crete to a smooth surface. Except at authorized joints, place Gyp-Crete as continuously as possible until application is complete so that no Gyp-Crete product slurry is placed against Gyp-Crete product that has obtained its initial set.
- C. Drying: General Contractor shall provide continuous ventilation and adequate heat to rapidly remove moisture from the area until the Gyp-Crete is dry. General Contractor shall provide mechanical ventilation if necessary. Under the above conditions, for 3/4 inch (19 mm) thick Gyp-Crete, 5-7 days is usually adequate drying time. To test for dryness, tape a 24 inch by 24 inch (609 mm by 609 mm) section of plastic or high density rubber mat to the surface of the underlayment. After 48-72 hours, if no condensation occurs, the underlayment shall be considered dry. Perform dryness test 5-7 days after pour.

### 3.03 PREPARATION FOR INSTALLATION OF GLUE DOWN FLOOR GOODS

- A. Sealing: Seal all areas that receive glue down floor goods with Maxxon Overspray according to the Maxxon Corporation's specifications. Any floor areas where the surface has been damaged shall be cleaned and sealed regardless of floor covering to be used. Where floor goods manufacturers require special adhesive or installation systems, their requirements supersede these recommendations.
- B. Floor Goods Procedures: See the Maxxon Corporation's "Procedures for Attaching Finished Floor Goods to Maxxon Underlayments" brochure for guidelines for installing finished floor goods. This procedure is not a warranty and is to be used as a guideline only.

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### 3.04 FIELD QUALITY CONTROL

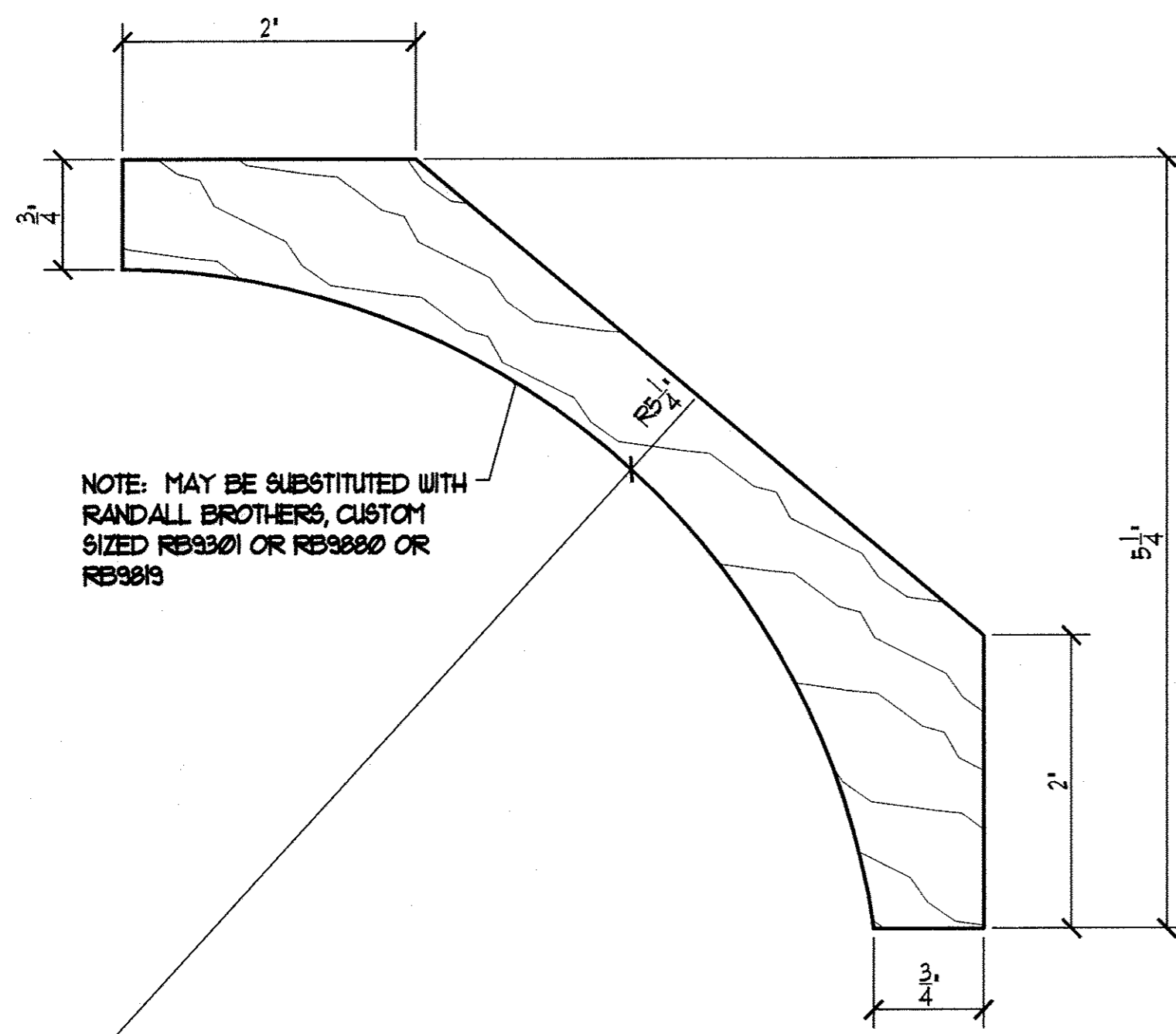
- A. Slump Test: Gyp-Crete mix shall be tested for slump as it is being pumped using a 2 inch by 4 inch (50 mm by 101 mm) cylinder resulting in a patty size of 8 inches (203 mm) plus or minus 1 inch (25 mm) diameter.
- B. Field Samples: At least one set of 3 molded cube samples shall be taken from each day's pour during the Gyp-Crete application. Cubes shall be tested as recommended by the Maxxon Corporation in accordance with modified ASTM C 472. Test results shall be available to architect and/or contractor upon request from applicator.

### 3.05 PROTECTION

- A. Protection From Heavy Loads: During construction, place temporary wood planking over Gyp-Crete wherever it will be subject to heavy wheeled or concentrated loads.

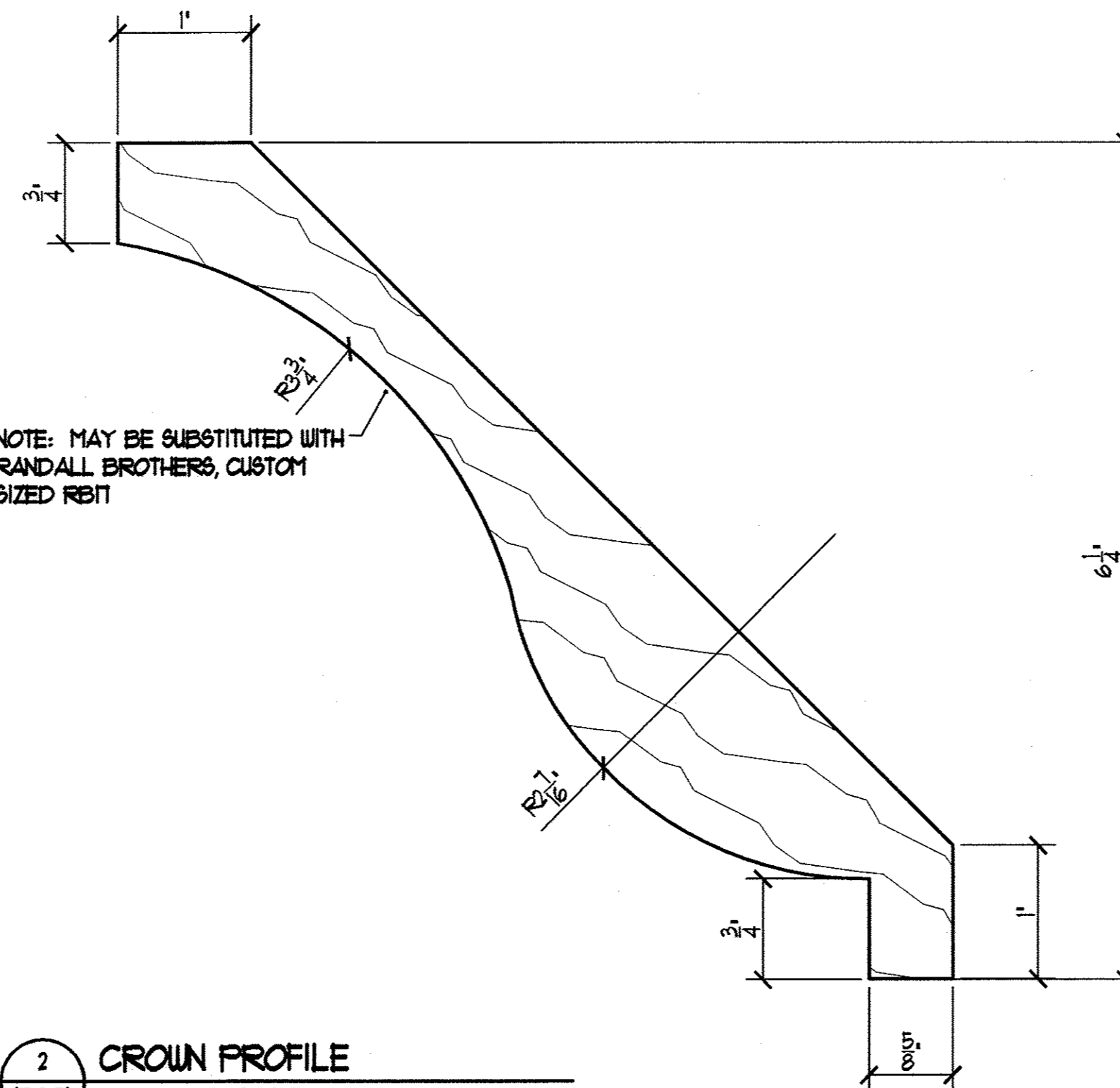
END OF SECTION

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7 DEC 2009



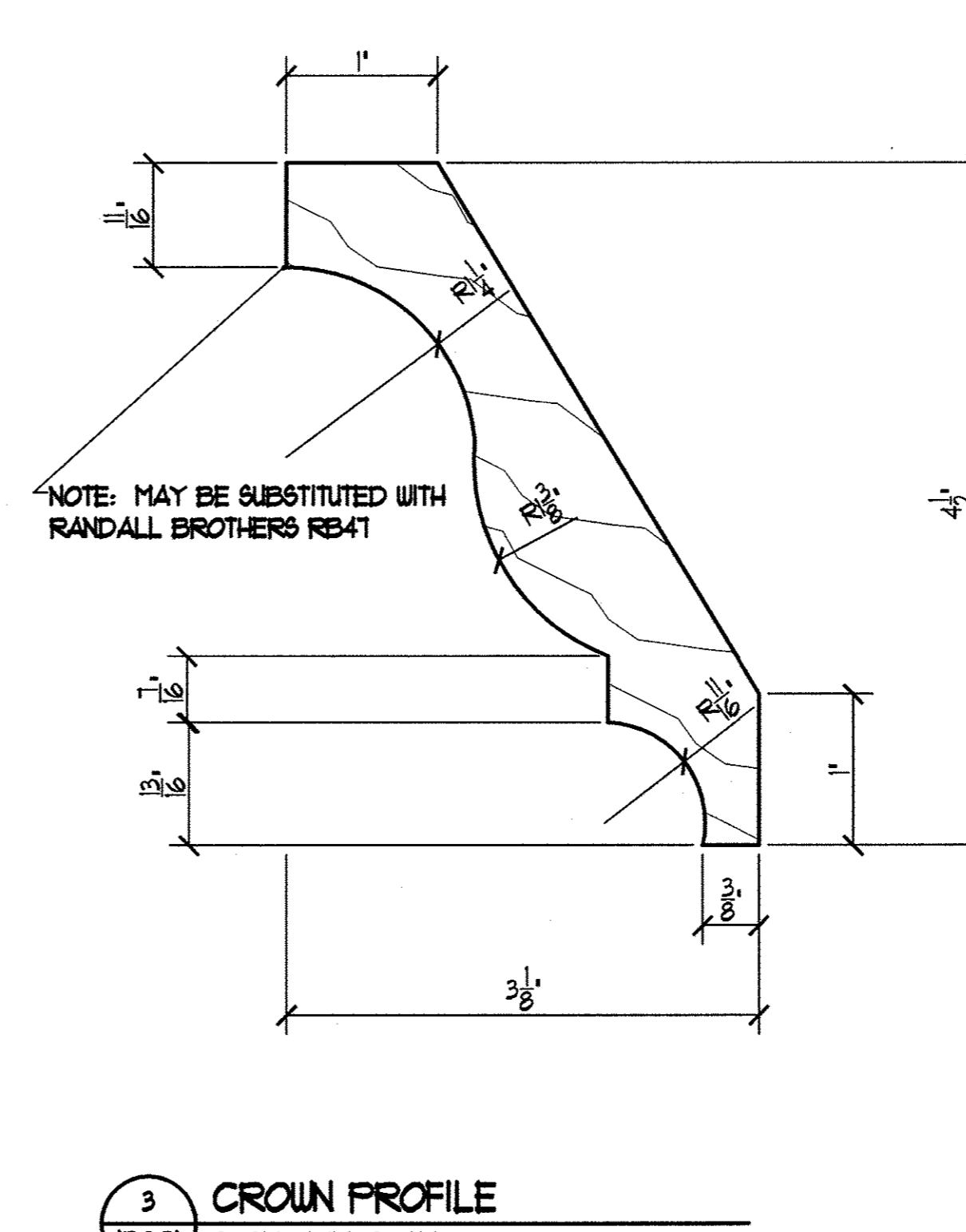
NOTE: MAY BE SUBSTITUTED WITH RANDALL BROTHERS, CUSTOM SIZED RB3301 OR RB3302 OR RB3303

1 CROWN PROFILE  
ID801 SCALE: FULL SCALE



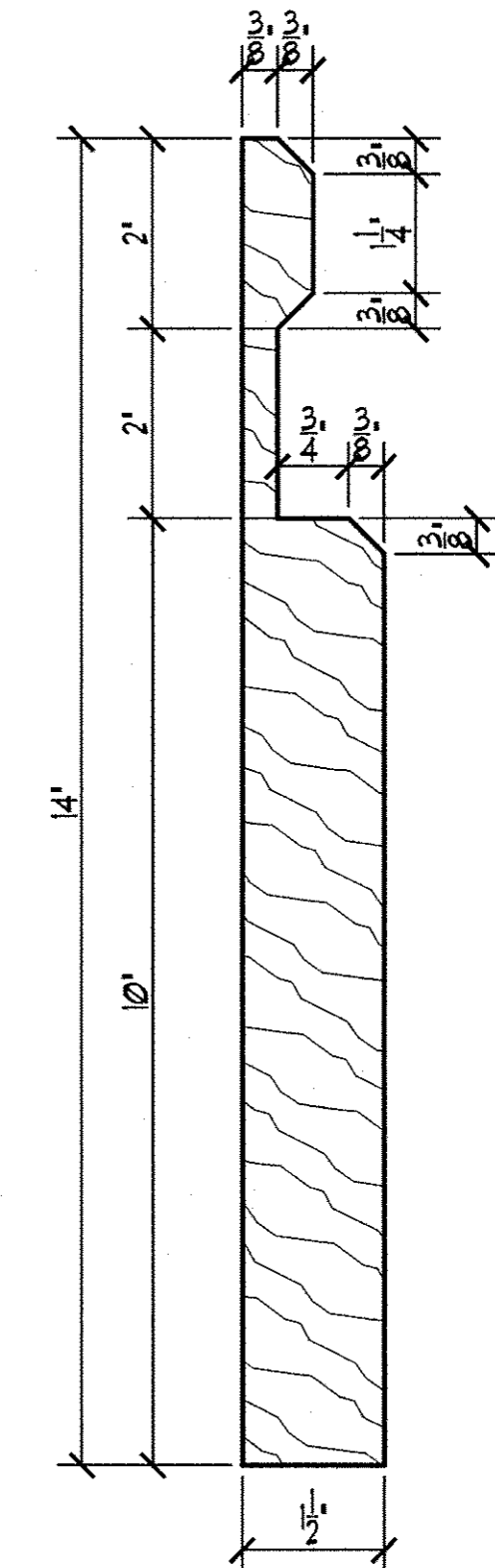
NOTE: MAY BE SUBSTITUTED WITH RANDALL BROTHERS, CUSTOM SIZED RB1

2 CROWN PROFILE  
ID801 SCALE: FULL SCALE

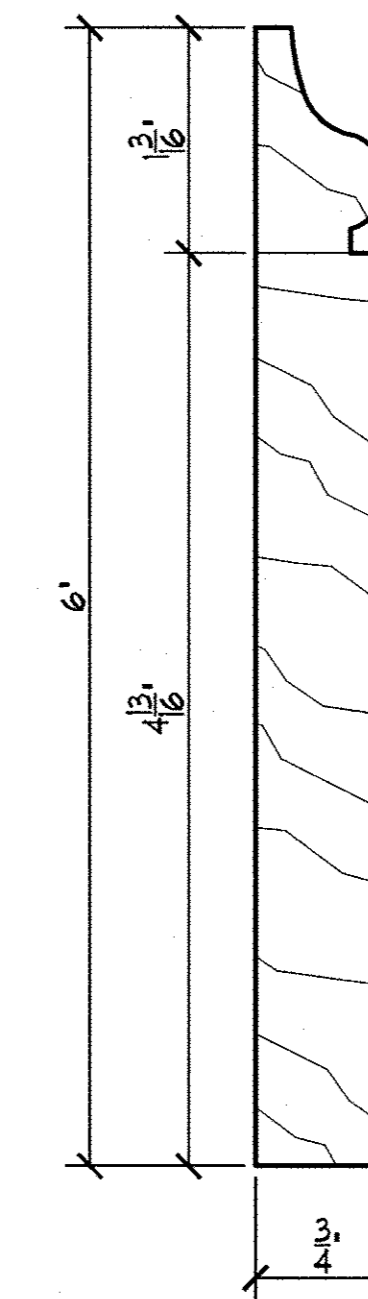


NOTE: MAY BE SUBSTITUTED WITH RANDALL BROTHERS RB41

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ID801 SCALE: FULL SCALE

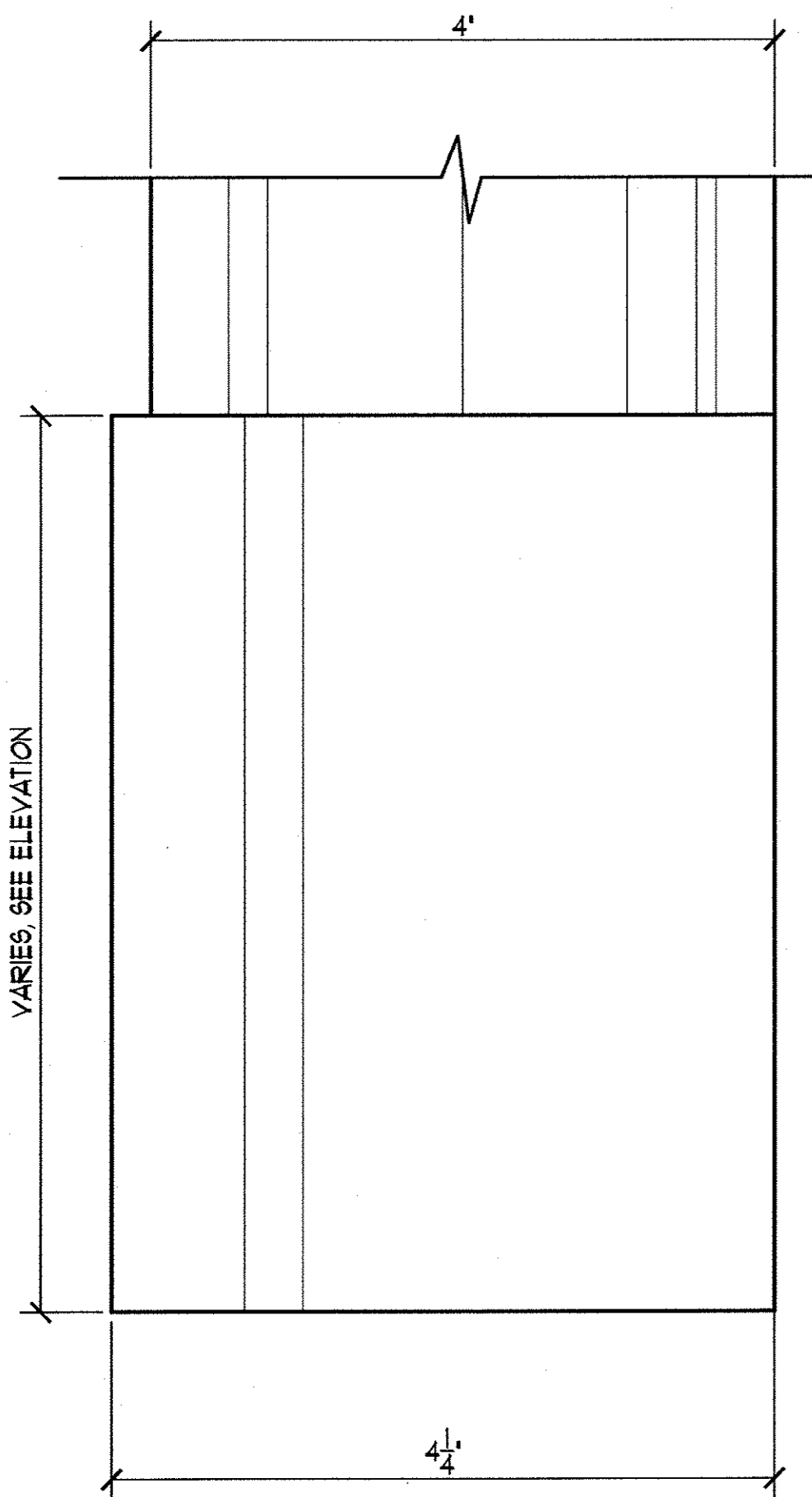


4 BASE PROFILE  
ID801 SCALE: 6' = 1'-0"

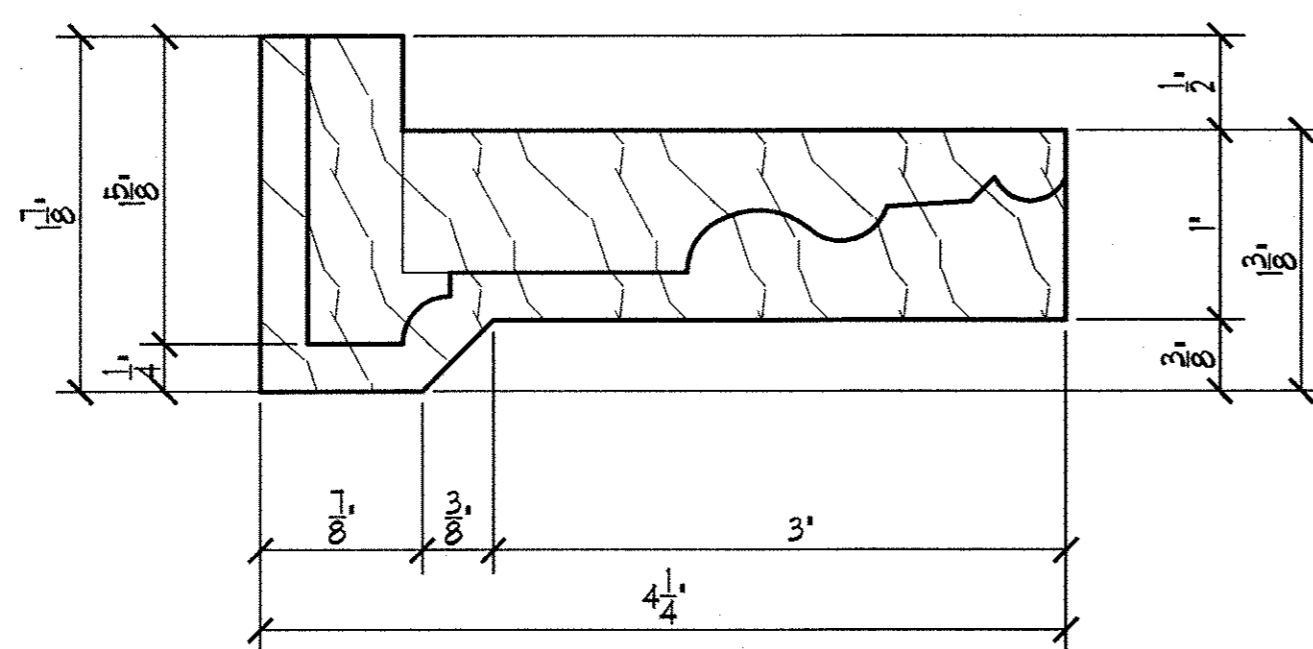


NOTE: MAY BE SUBSTITUTED WITH RANDALL BROTHERS RB163 (3/4\"/>

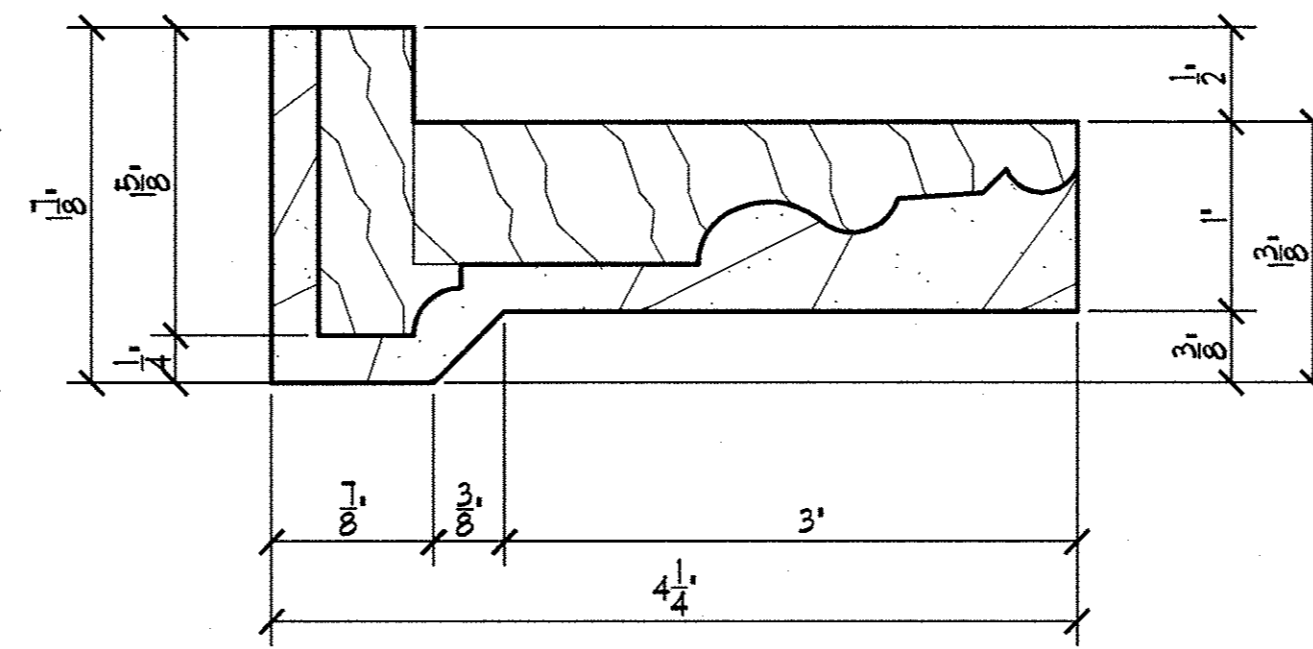
10 BASE PROFILE  
ID801 SCALE: 6' = 1'-0"



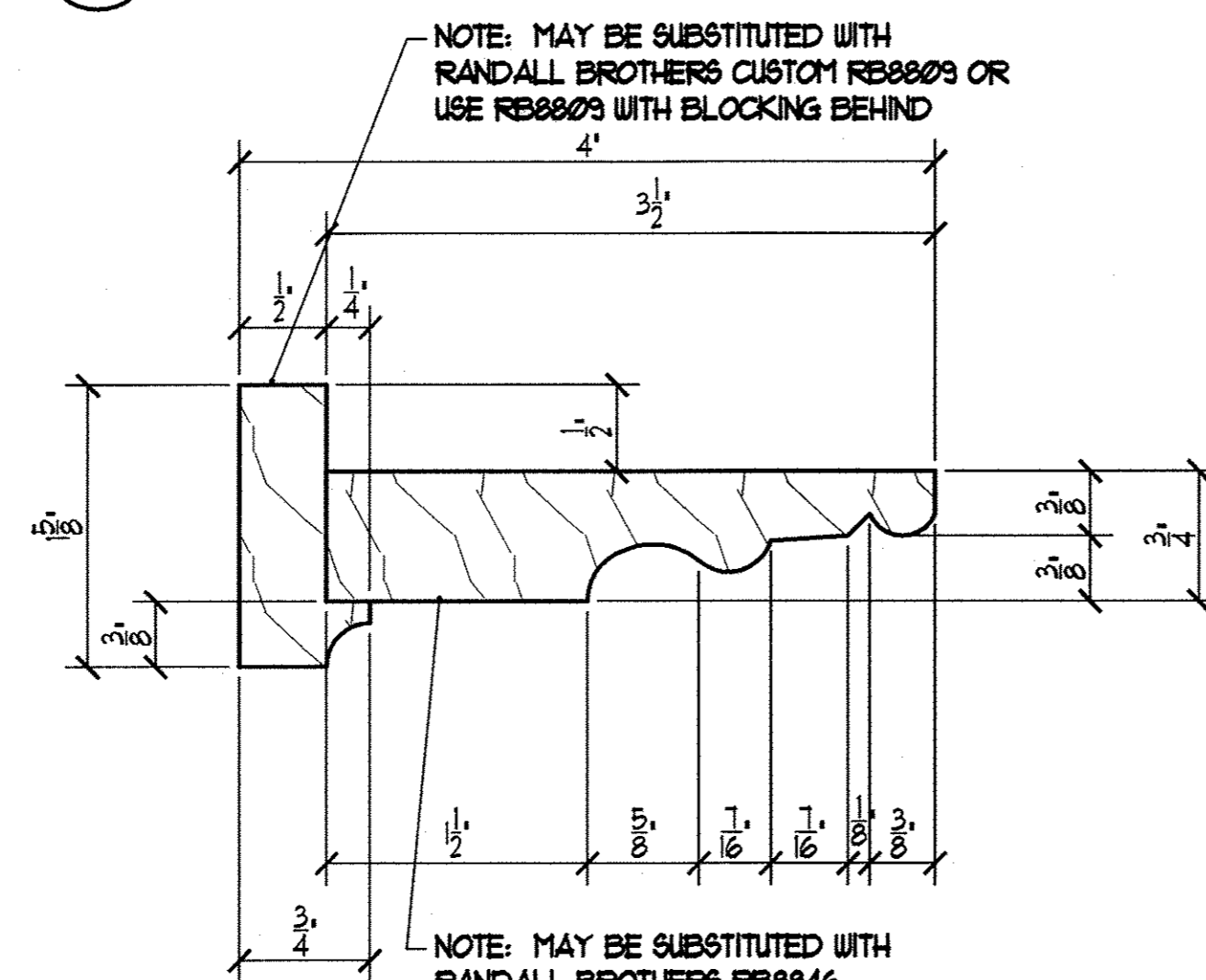
5 DOOR CASING & PLINTH FRONT VIEW  
ID801 SCALE: FULL SCALE



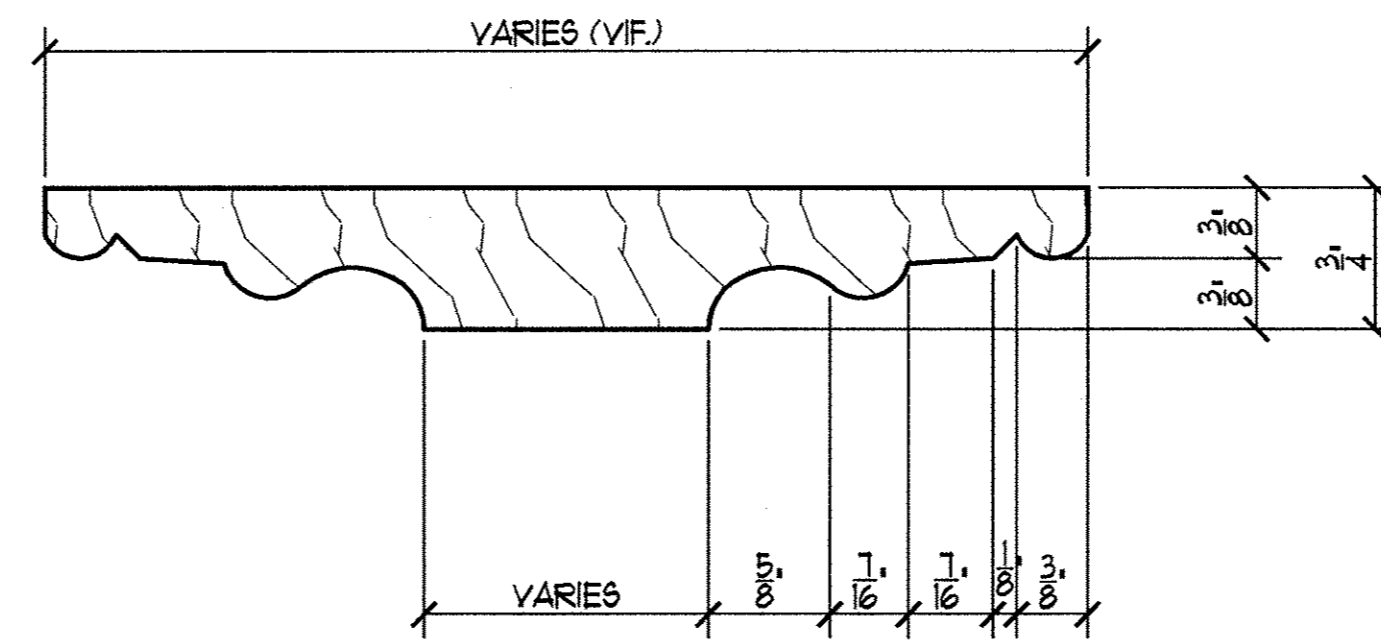
6 WOOD PLINTH W/ DOOR CASING PROFILE  
ID801 SCALE: FULL SCALE



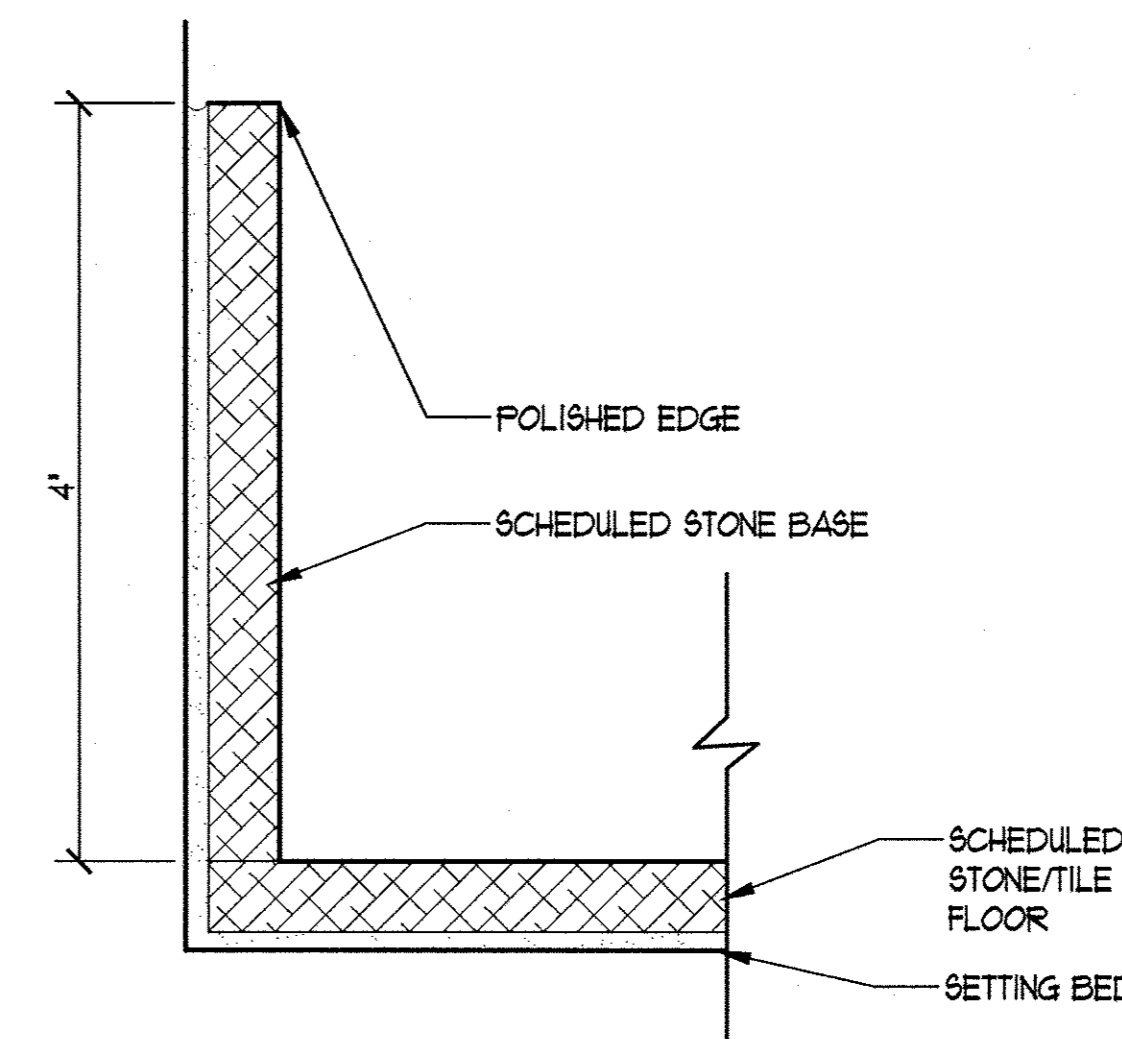
8 STONE PLINTH W/ DOOR CASING PROFILE  
ID801 SCALE: FULL SCALE



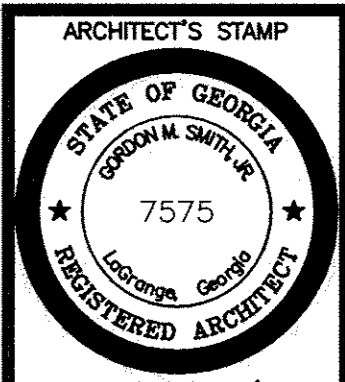
7 DOOR/WINDOW CASING PROFILE  
ID801 SCALE: FULL SCALE



9 WINDOW TO WINDOW TRIM PROFILE  
ID801 SCALE: FULL SCALE



11 STONE FLOOR TO STONE BASE  
ID801 SCALE: FULL SCALE



SIGNATURE REQ'D  
ENGINEER'S STAMP

PROJECT TITLE  
THE KRESS PROJECT  
MAIN STREET  
LAGRANGE, GEORGIA

SHEET TITLE

DETAILS

SHEET TITLE

SMITH DESIGN GROUP, INC.  
Suite B  
307 Church Street  
LaGrange  
Georgia  
Phone (706) 882-5511  
Fax (706) 882-7777



DRAWN HLB  
CHECKED GMS

JOB NO.  
579-001-01

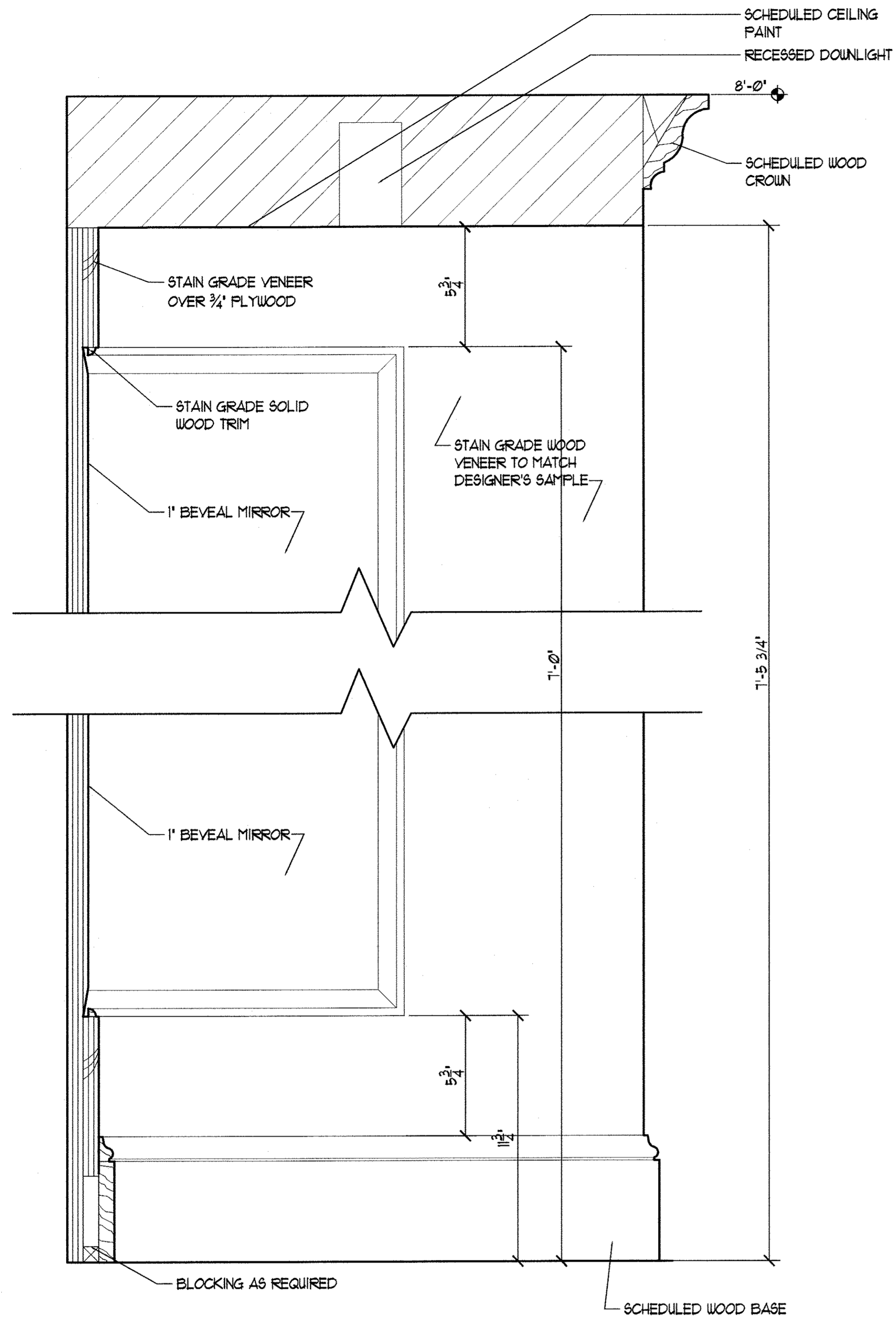
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17 NOV 2009

SHEET

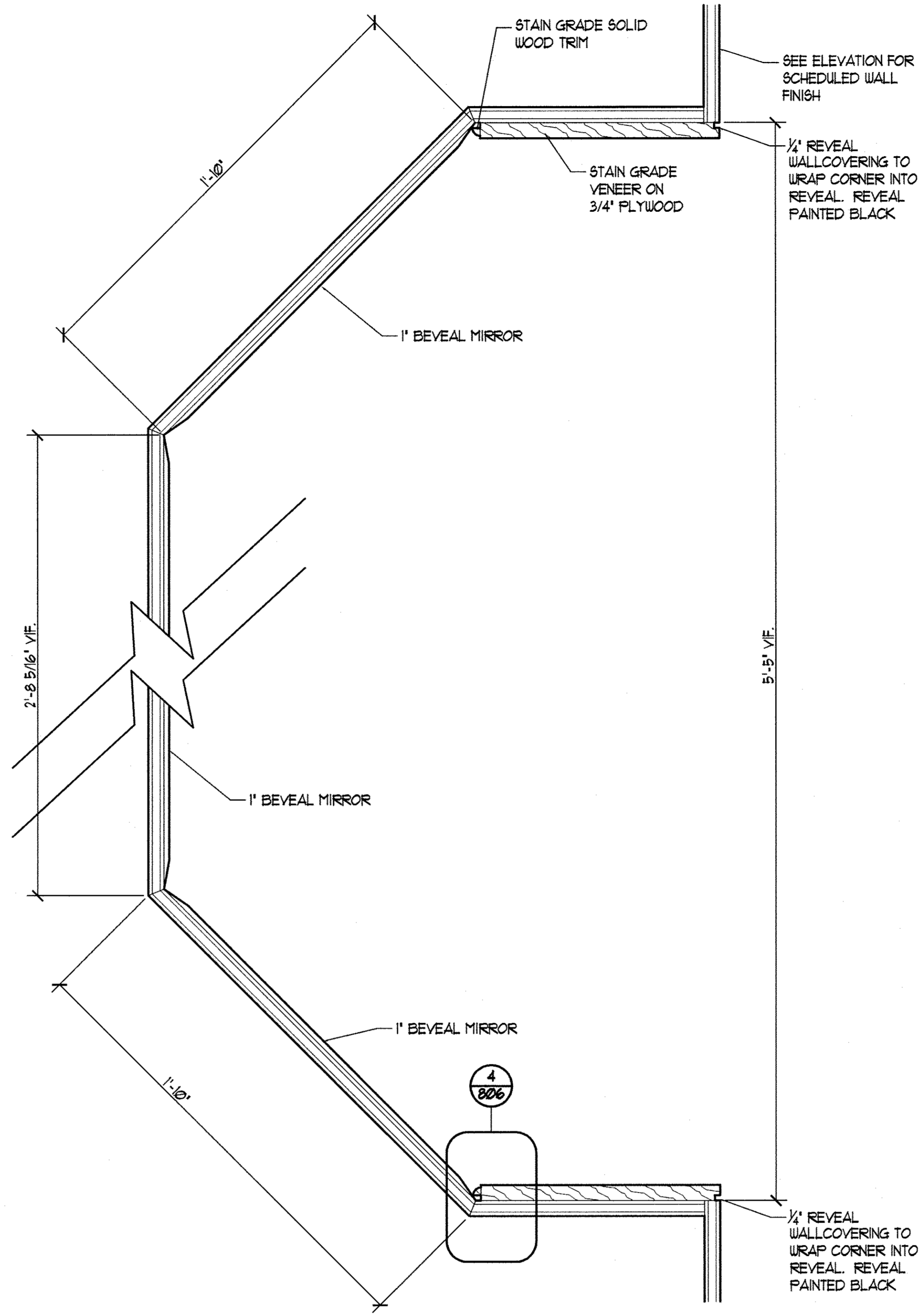
ID-801

ADD2-4A 7 DEC 2009



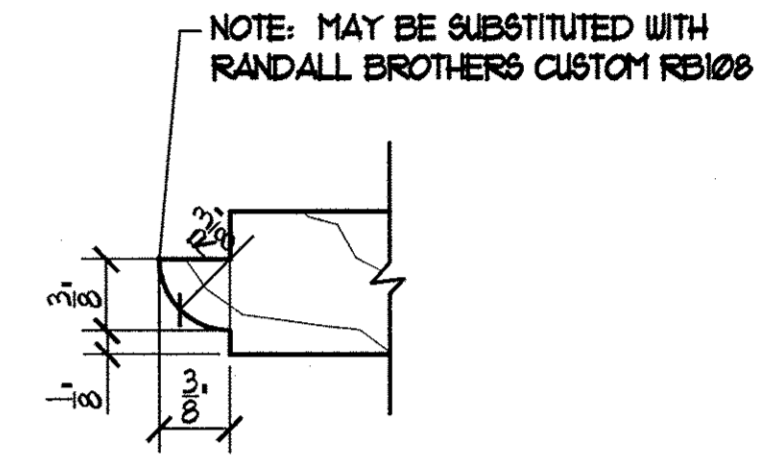


1 THREE WAY MIRROR VERTICAL SECTION  
 AT BRIDE ROOM  
 SCALE: 3" = 1'-0"



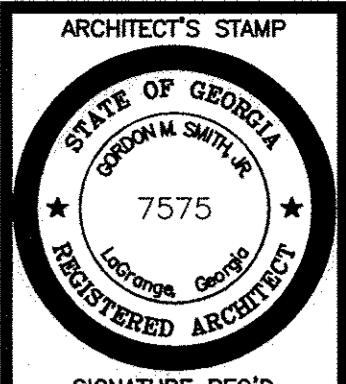
2 THREE WAY MIRROR HORIZONTAL SECTION  
 AT BRIDE ROOM  
 SCALE: 3" = 1'-0"

3 NOT USED  
 ID806



4 ENLARGE TRIM PROFILE  
 AT THREE WAY MIRROR  
 SCALE: 3" = 1'-0"

ADD2-5A 7 DEC 2009

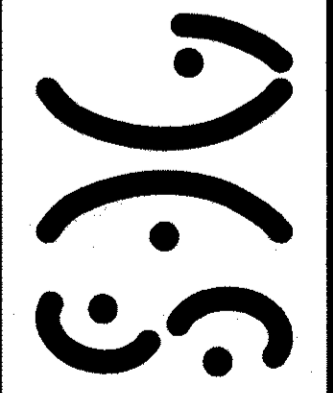


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 ENGINEER'S STAMP

PROJECT TITLE  
 THE KRESS PROJECT  
 MAIN STREET  
 LAGRANGE, GEORGIA

SHEET TITLE  
 DETAILS

SMITH DESIGN GROUP, INC.  
 Suite B  
 Georgia  
 307 Church Street  
 LaGrange  
 Phone (706) 882-6511  
 Fax (706) 882-7777

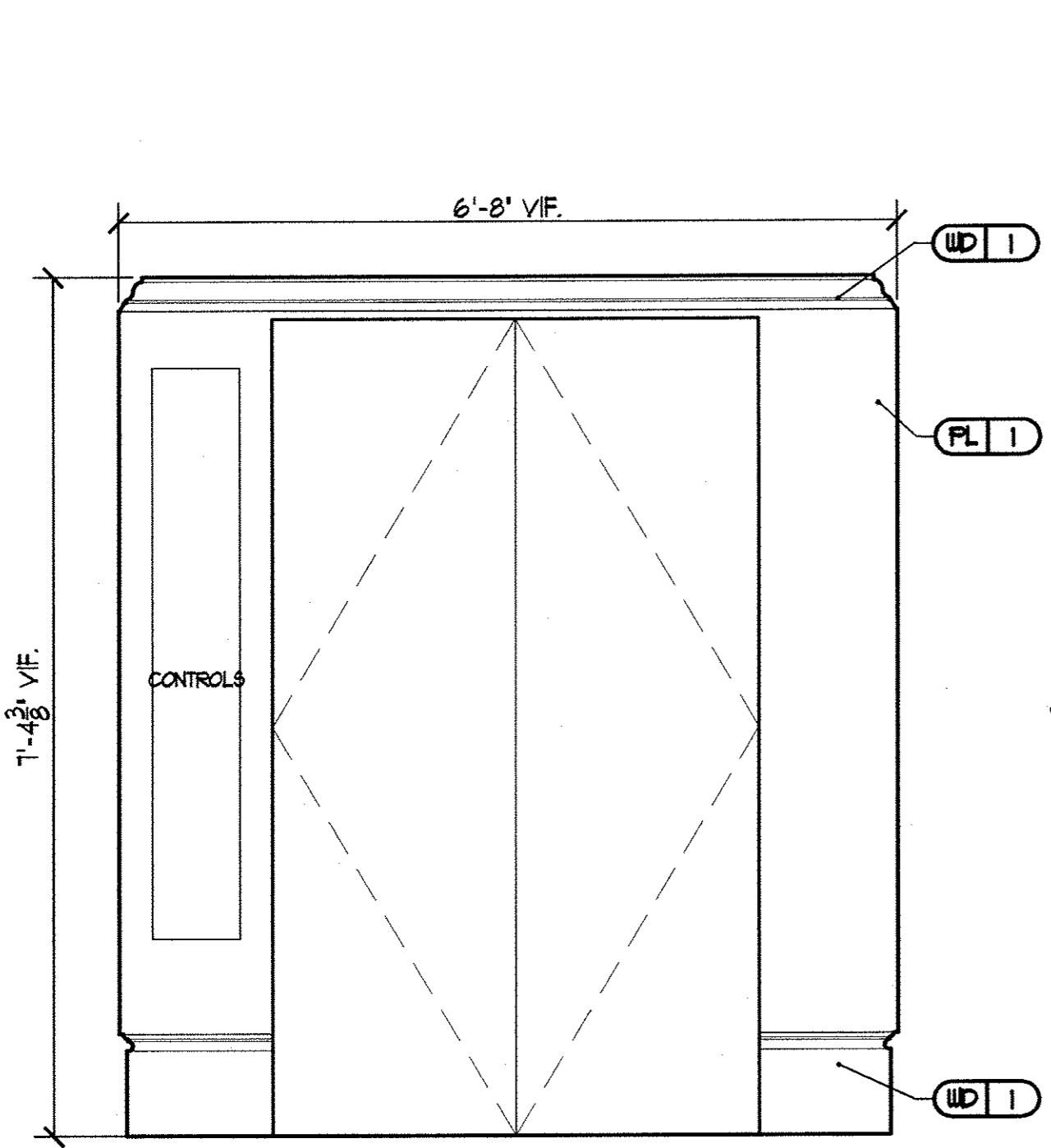


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 JOB NO.  
 579-001-01  
 DATE  
 17 NOV 2009

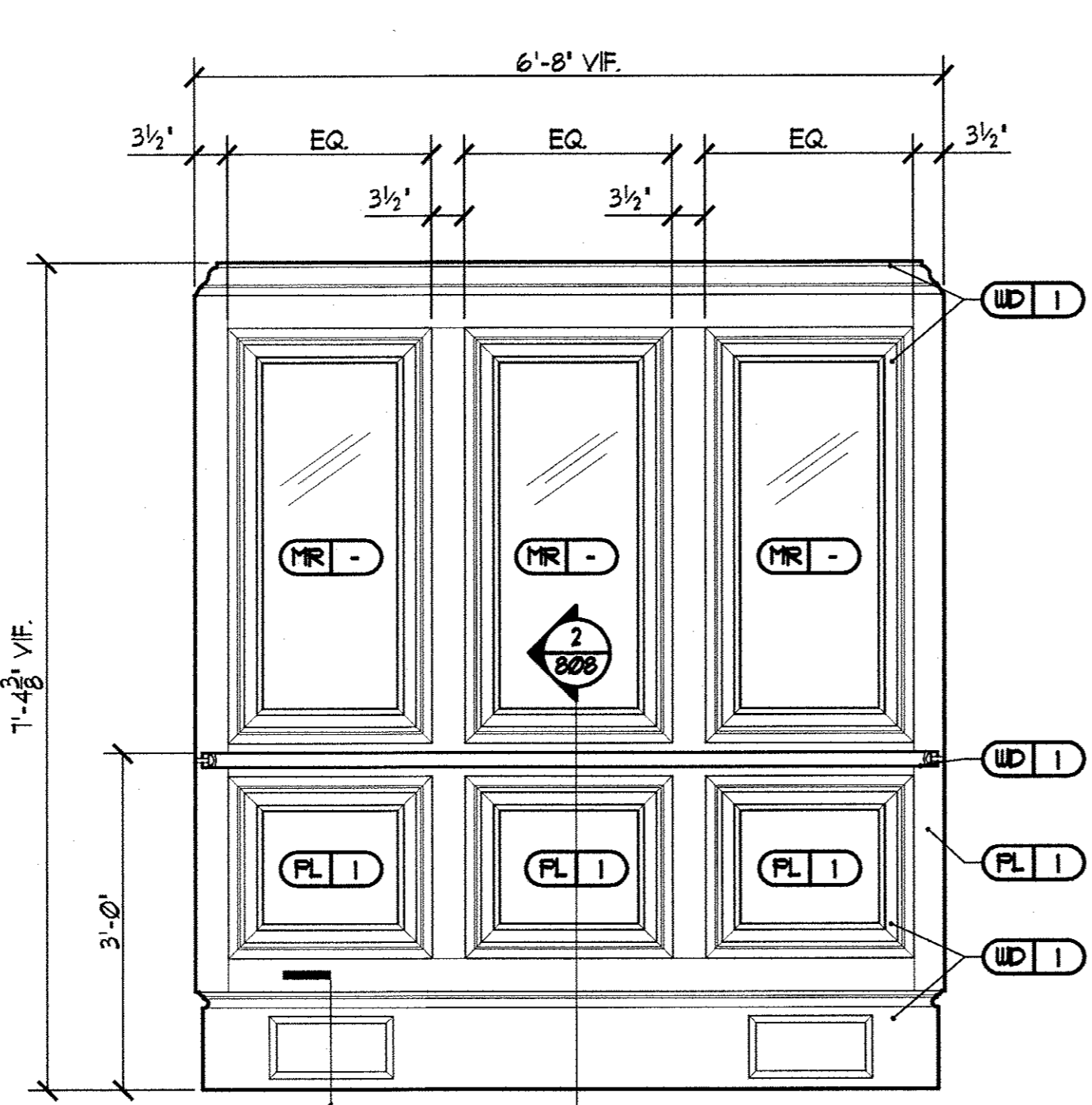
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ID-806

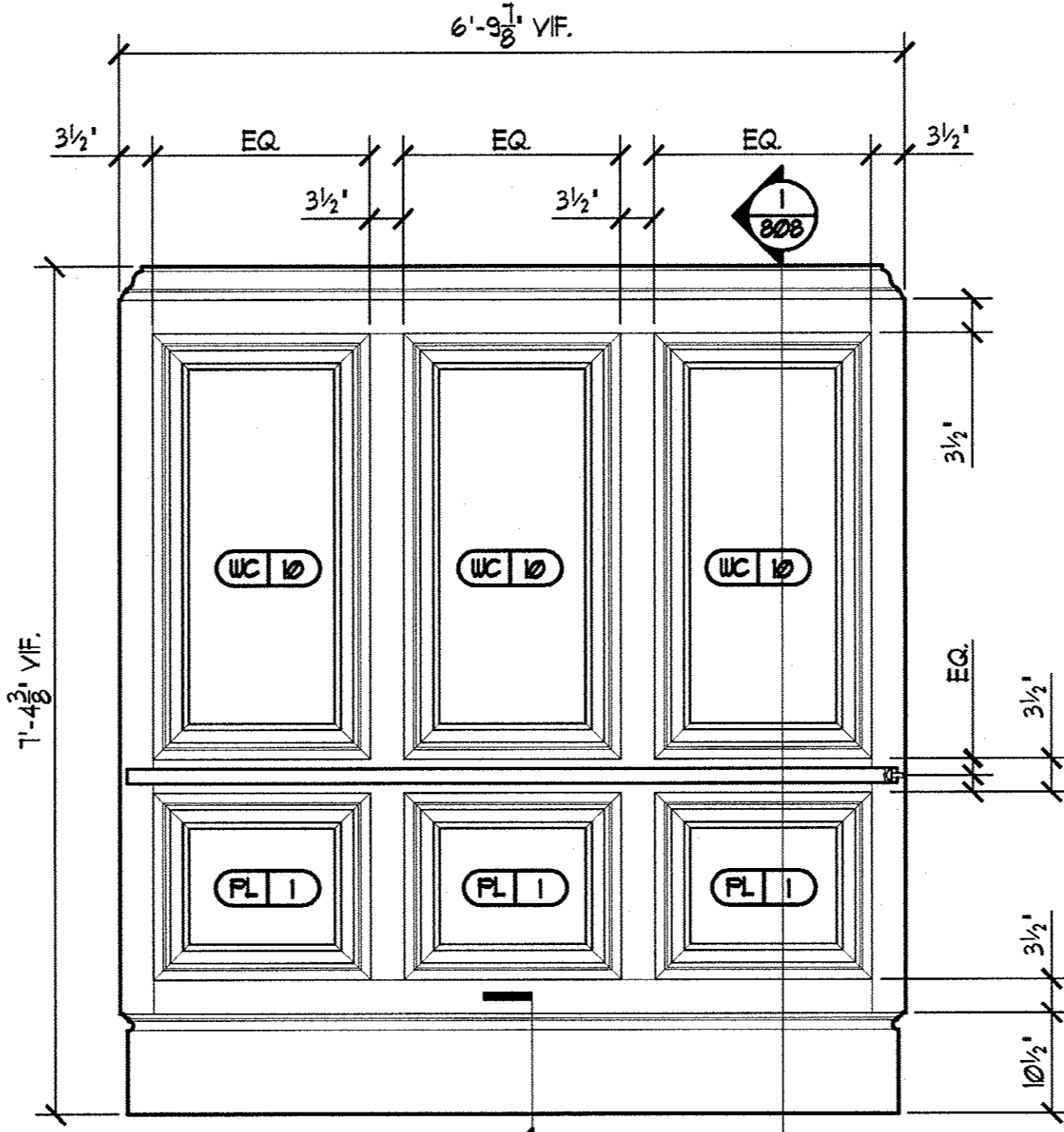




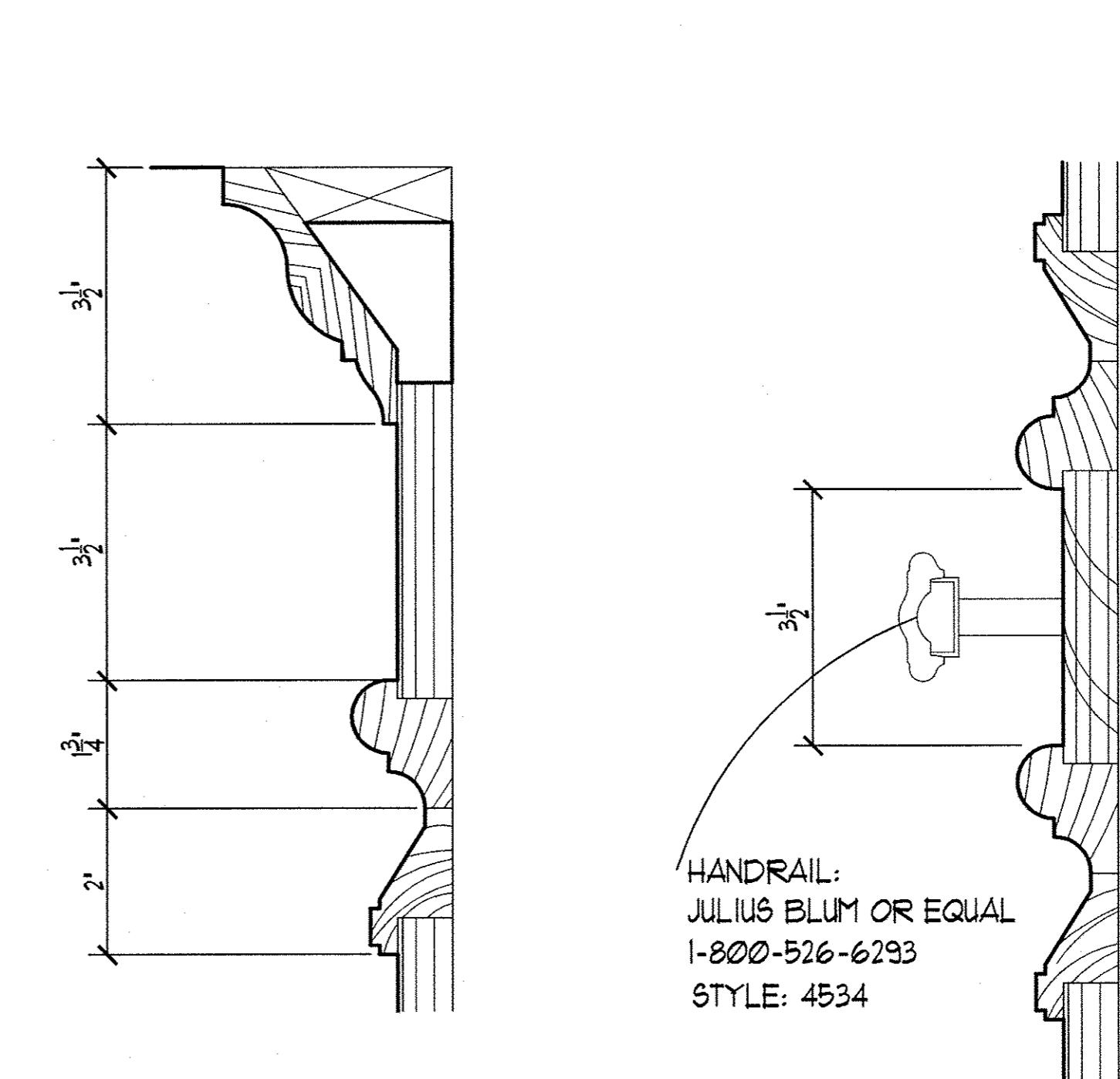
1 ELEVATOR CAB INTERIOR - FRONT WALL  
ID801 SCALE: 3/4" = 1'-0"



2 ELEVATOR CAB INTERIOR - REAR WALL  
ID801 SCALE: 3/4" = 1'-0"



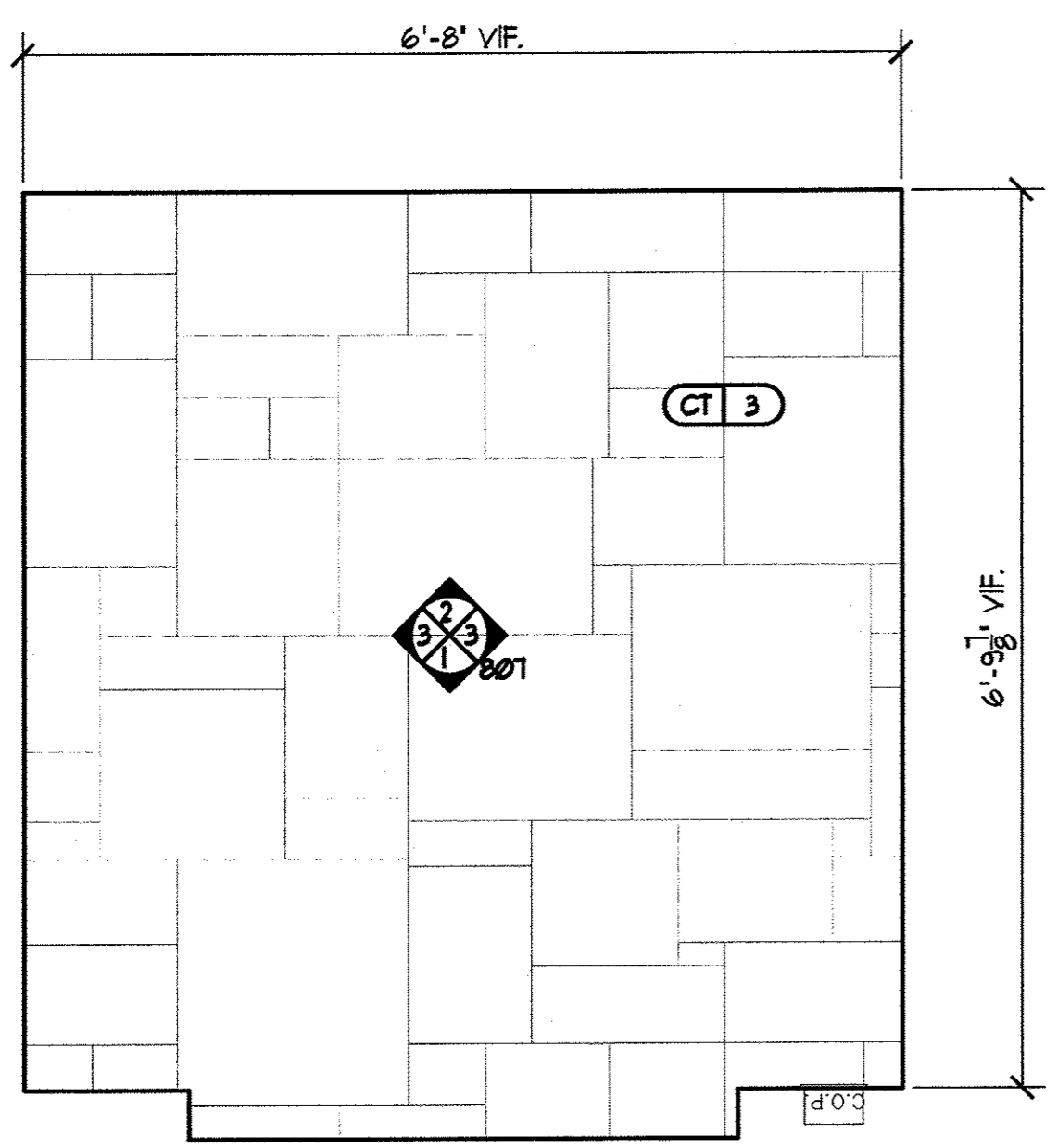
3 ELEVATOR CAB INTERIOR - SIDE WALL  
ID801 SCALE: 3/4" = 1'-0"



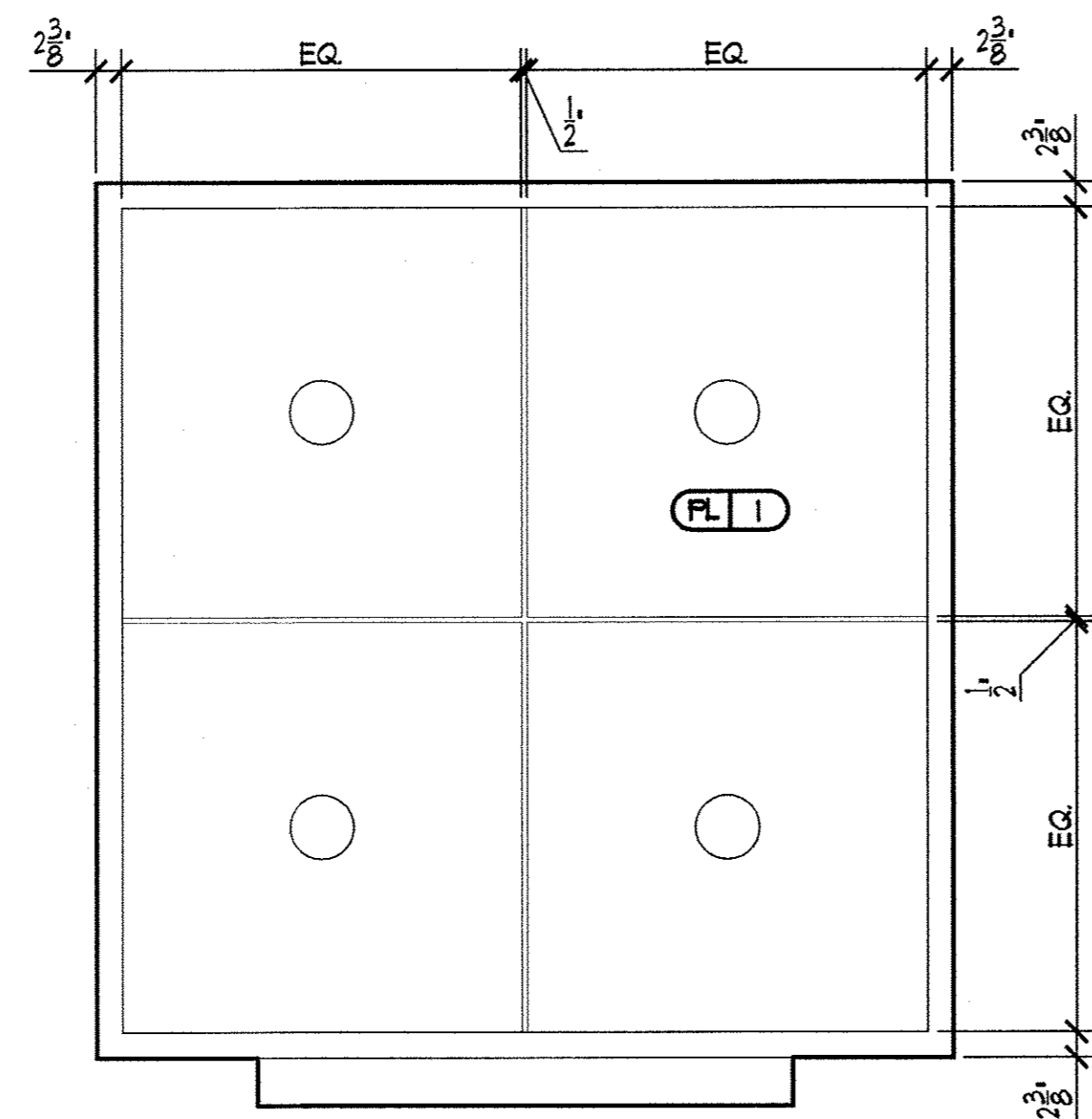
4 ELEVATOR CAB DETAIL  
ID801 SCALE: 6" = 1'-0"

5 ELEVATOR CAB DETAIL  
ID801 SCALE: 6" = 1'-0"

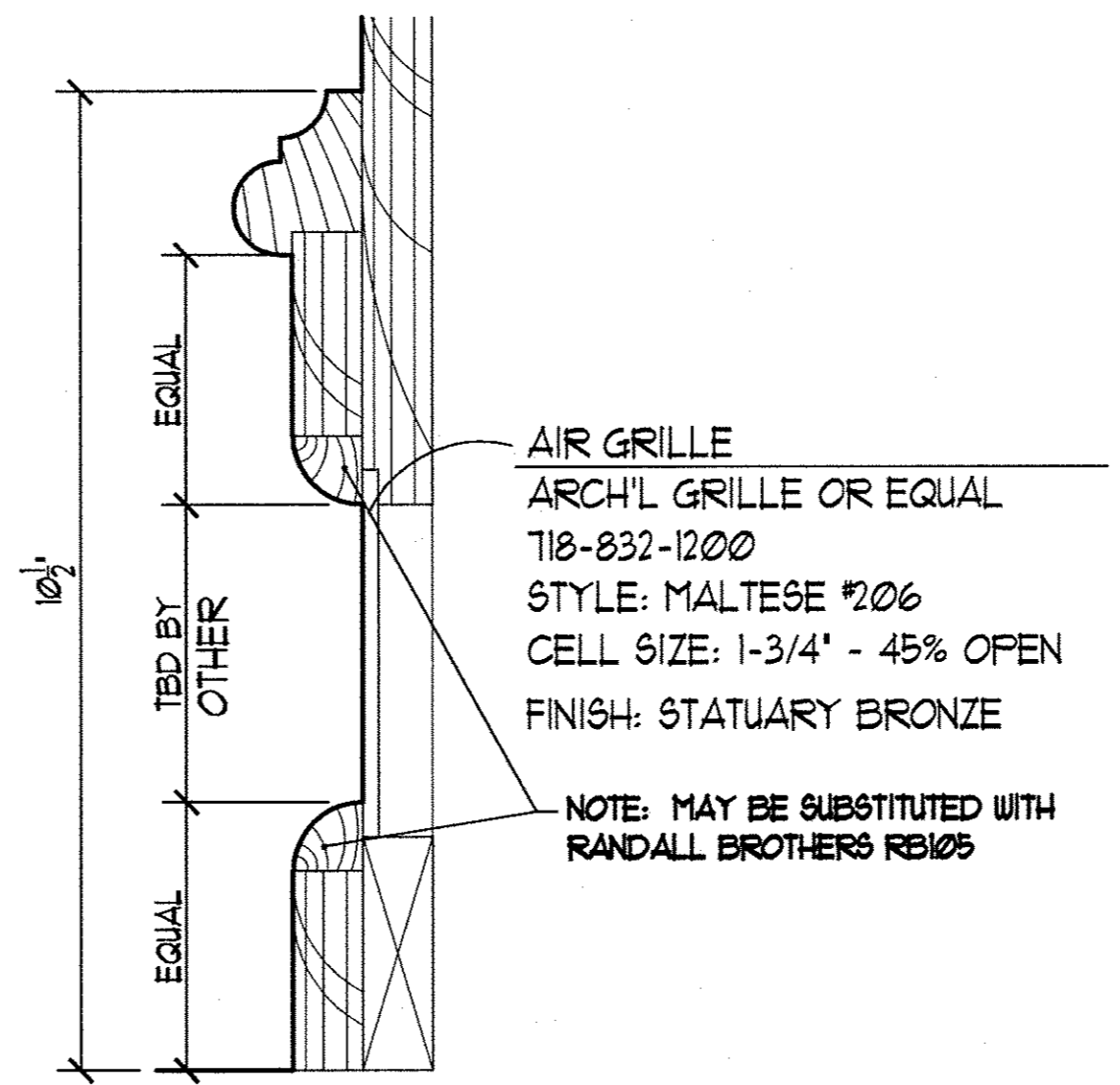
HANDRAIL:  
JULIUS BLUM OR EQUAL  
1-800-526-6293  
STYLE: 4534



6 ELEVATOR CAB FLOOR FINISH PLAN  
ID801 SCALE: 3/4" = 1'-0"



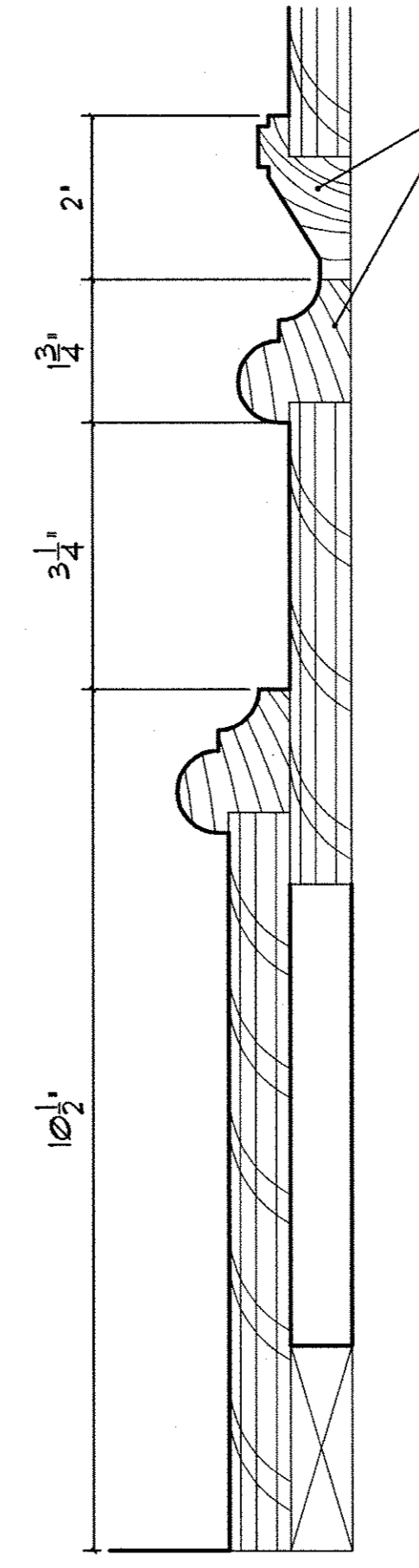
7 ELEVATOR CAB FLOOR RCP  
ID801 SCALE: 3/4" = 1'-0"



8 ELEVATOR CAB DETAIL  
ID801 SCALE: 6" = 1'-0"

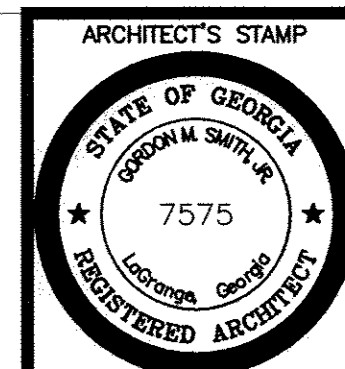
AIR GRILLE  
ARCH'L GRILLE OR EQUAL  
118-832-1200  
STYLE: MALTESE #206  
CELL SIZE: 1-3/4" - 45% OPEN  
FINISH: STATUARY BRONZE

NOTE: MAY BE SUBSTITUTED WITH  
RANDALL BROTHERS RB105



NOTE: MAY BE SUBSTITUTED WITH  
RANDALL BROTHERS CUSTOM CATALOG  
RB3806 4 RB3806 OR RB42 1/4 (2 PIECES)  
OR RB9936 AND CHANGE RAILS TO SOLID

9 ELEVATOR CAB DETAIL  
ID801 SCALE: 6" = 1'-0"



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ENGINEER'S STAMP

PROJECT TITLE  
THE KRESS PROJECT  
MAIN STREET  
LAGRANGE, GEORGIA

SHEET TITLE  
DETAILS

SMITH DESIGN GROUP, INC.  
307 Church Street  
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Phone (706) 882-5511  
Fax (706) 882-7777



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HLB

CHECKED  
GMS  
JOB NO.  
579-001-01

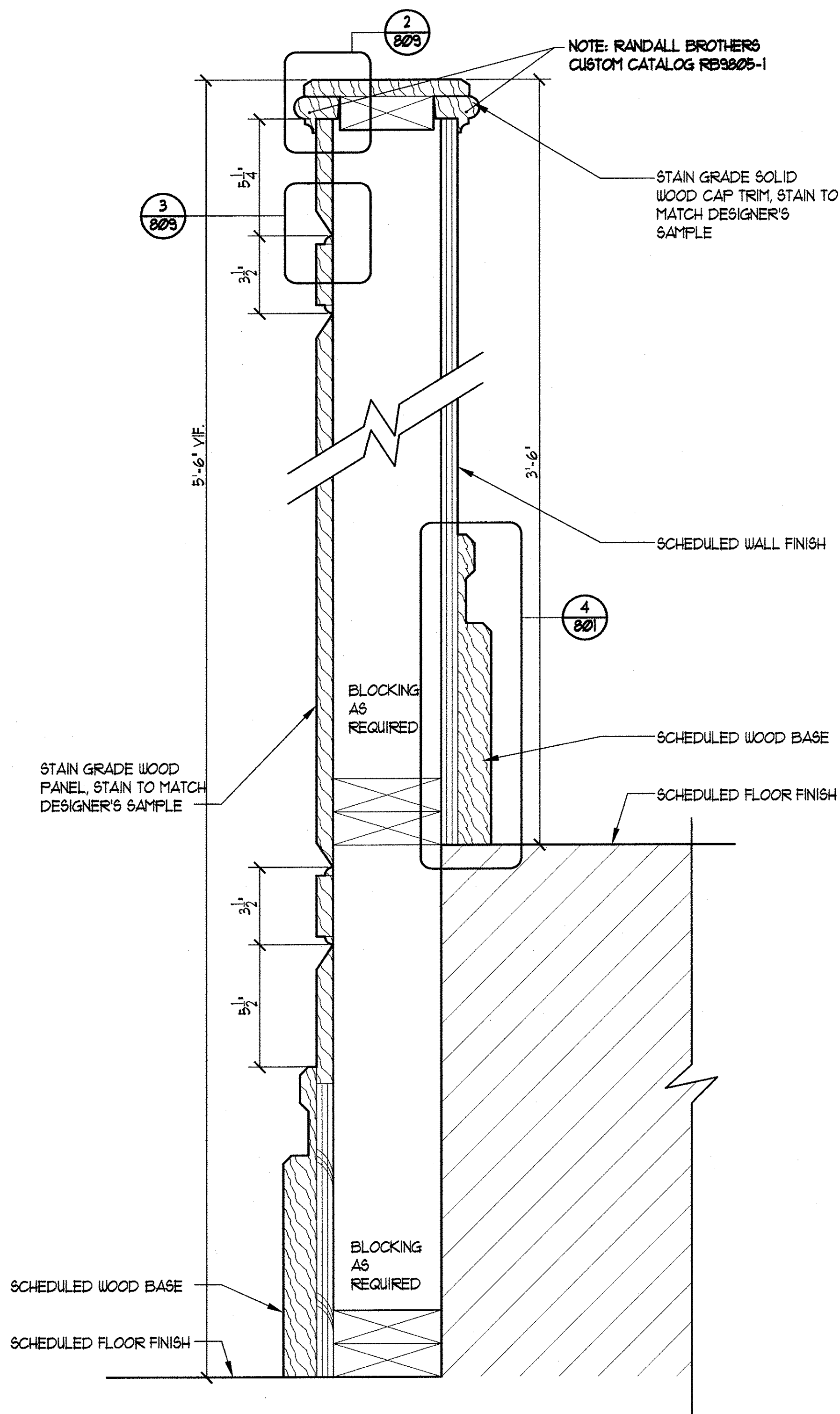
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17 NOV 2009

SHEET

ID-801

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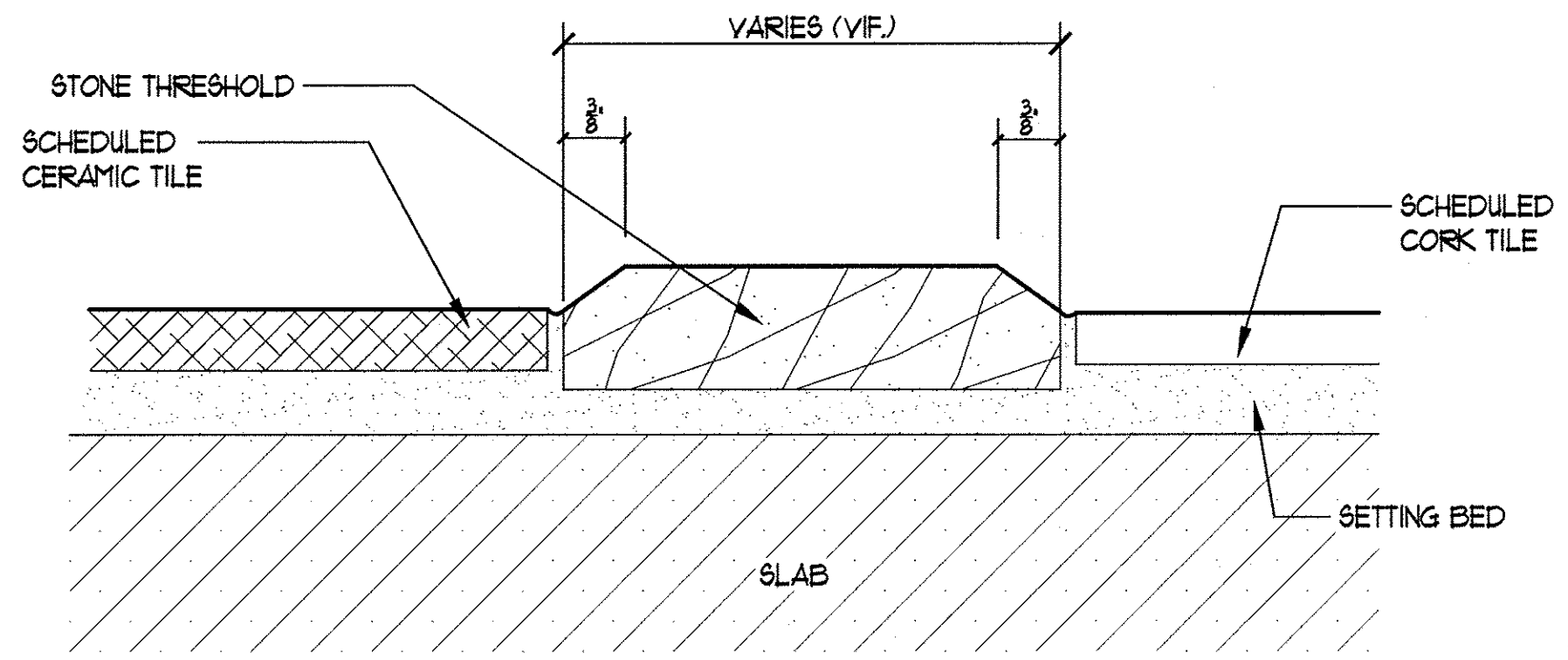




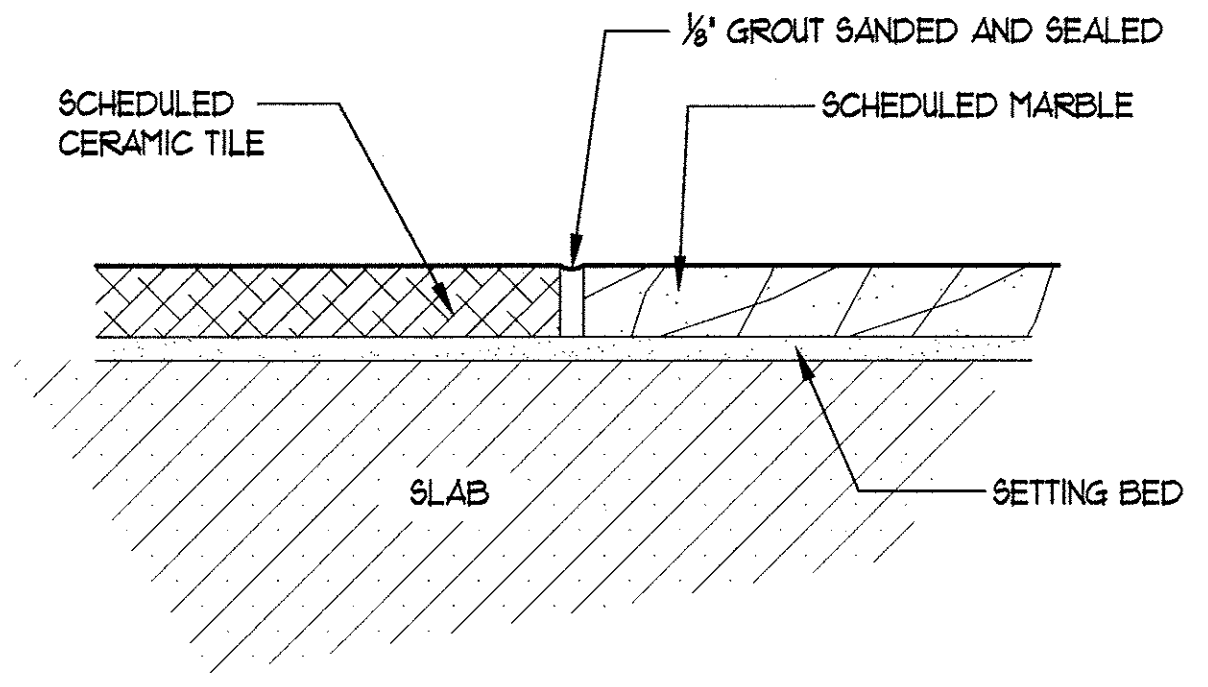
1 LOW WALL AT KRESS ENTRANCE STAIR  
 ID809 SCALE: 3" = 1'-0"

2 NOT USED  
 ID809

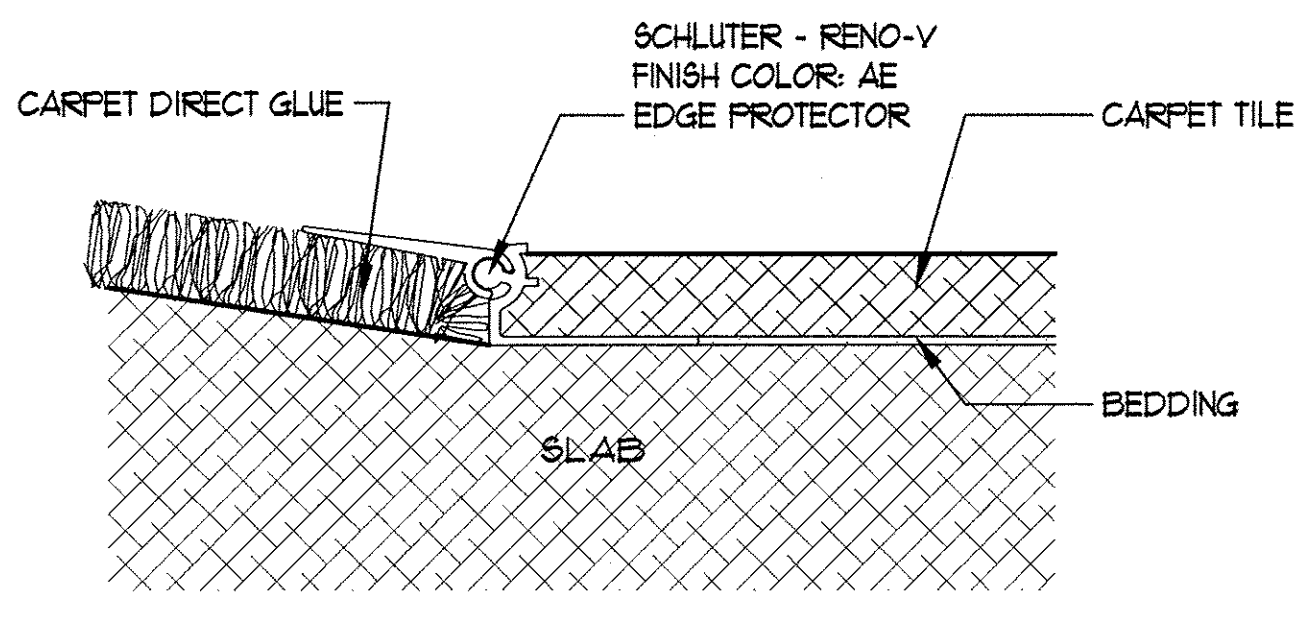
3 WOOD TRIM PROFILE  
 ID809 SCALE: FULL SCALE



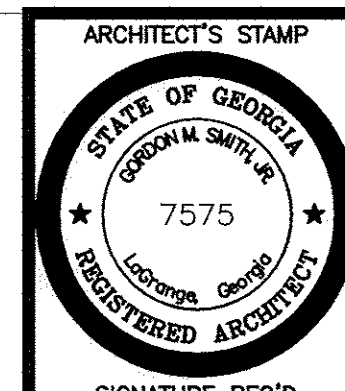
4 CERAMIC TO CORK  
 ID809 SCALE: FULL SCALE



5 CERAMIC TO MARBLE  
 ID809 SCALE: FULL SCALE



6 CERAMIC TO CARPET WITH EDGE PROTECTION  
 ID809 SCALE: FULL SCALE



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PROJECT TITLE  
 THE KRESS PROJECT  
 MAIN STREET  
 LAGRANGE, GEORGIA

SHEET TITLE  
 DETAILS

SMITH DESIGN GROUP, INC.  
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 Fax (706) 882-7777



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 CHECKED GMS  
 JOB NO.  
 579-001-01  
 DATE  
 17 NOV 2009

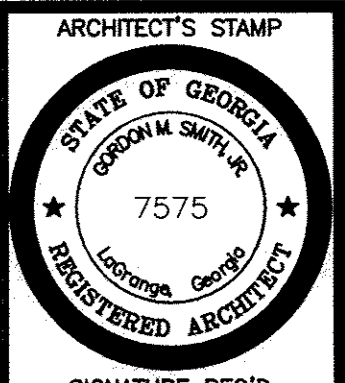
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ID-809

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DESIGN CONTINUUM INCORPORATED  
 1701 PEACOCK COUNTRY SUITE 200 ATLANTA, GEORGIA 30329  
 TELEPHONE (404) 255-0262 FAX (404) 255-8252



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PROJECT TITLE  
THE KRESS PROJECT  
MAIN STREET  
LAGRANGE, GEORGIA

SHEET TITLE  
MEZZANINE LEVEL  
ENLARGED REFLECTED CEILING PLAN

SMITH DESIGN GROUP, INC.  
307 Church Street  
LaGrange  
Phone (706) 882-5511  
Suite B  
Georgia  
Fax (706) 883-7777



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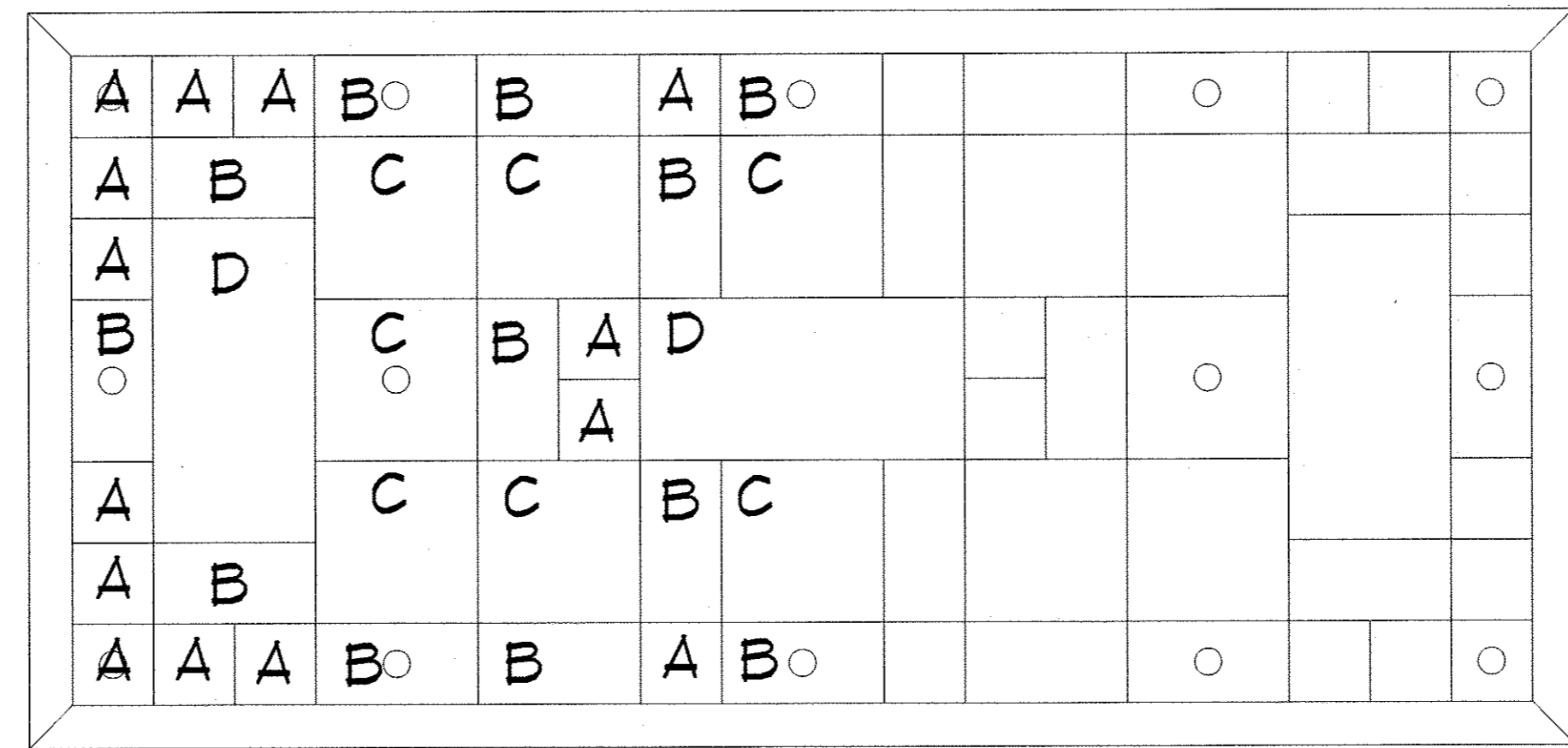
JOB NO. 579-001-01

DATE 17 NOV 2009

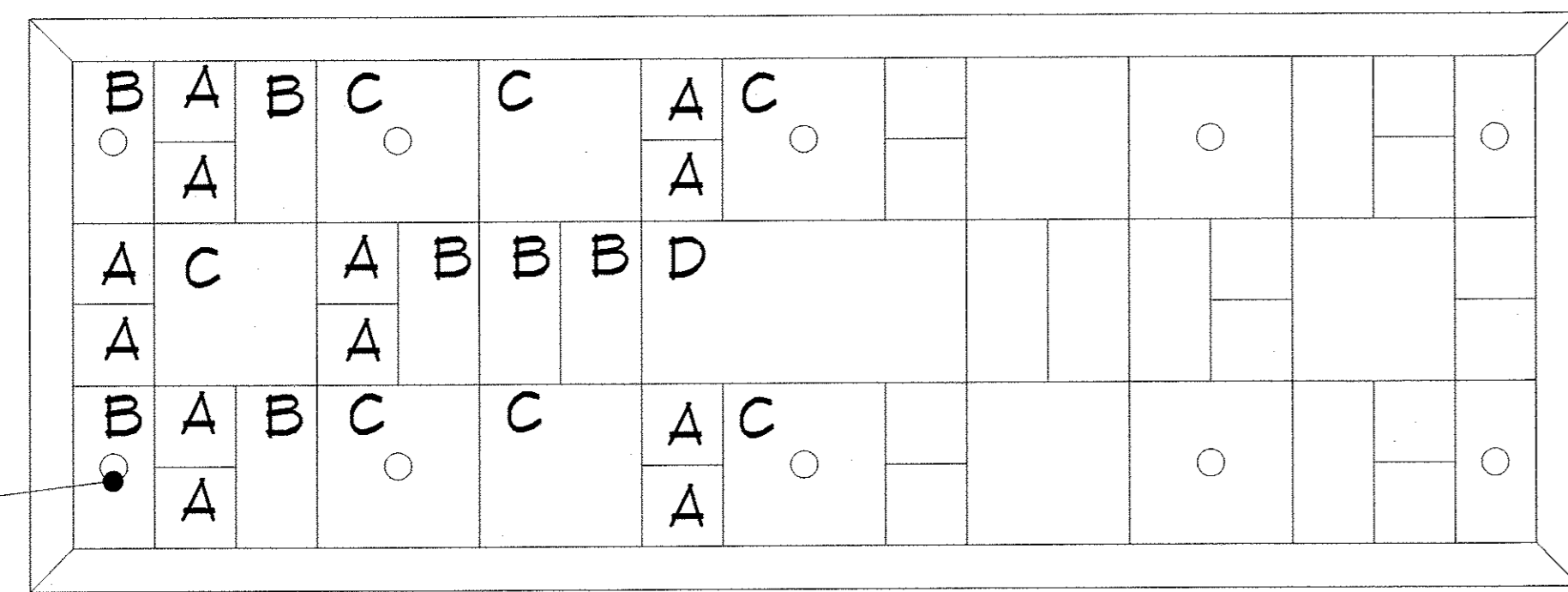
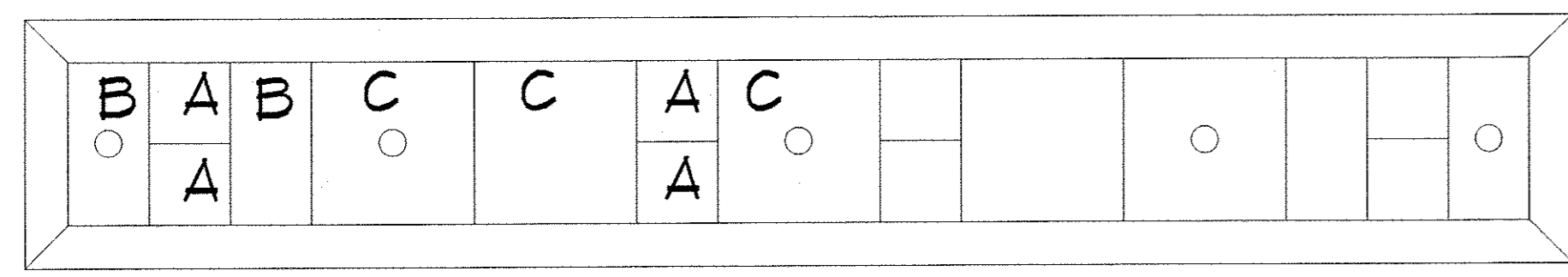
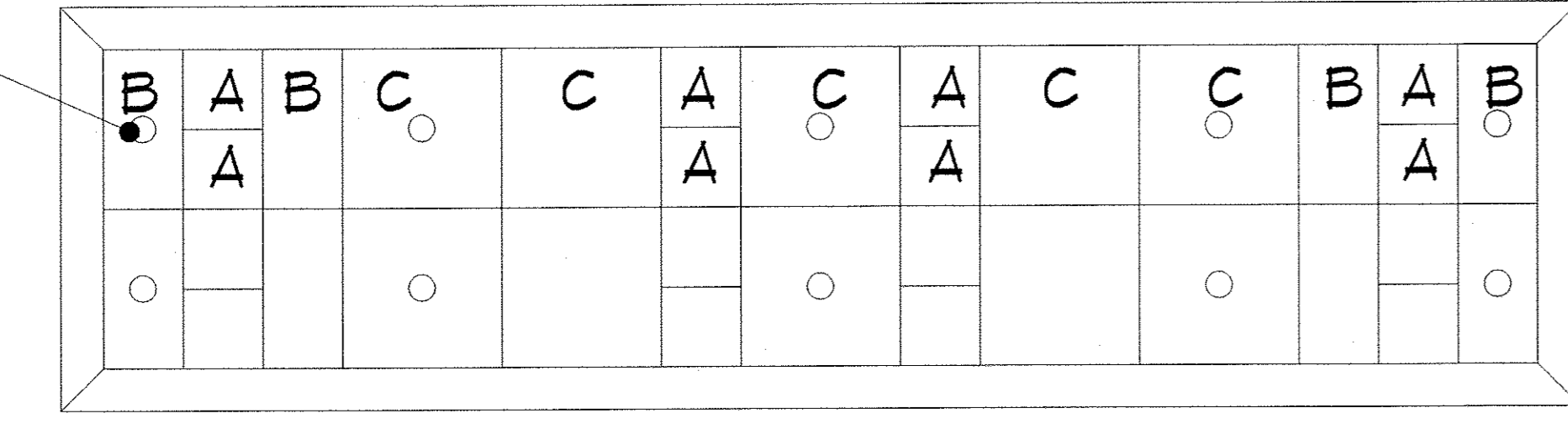
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15K-1

ADD2-8A 7 DEC 2009

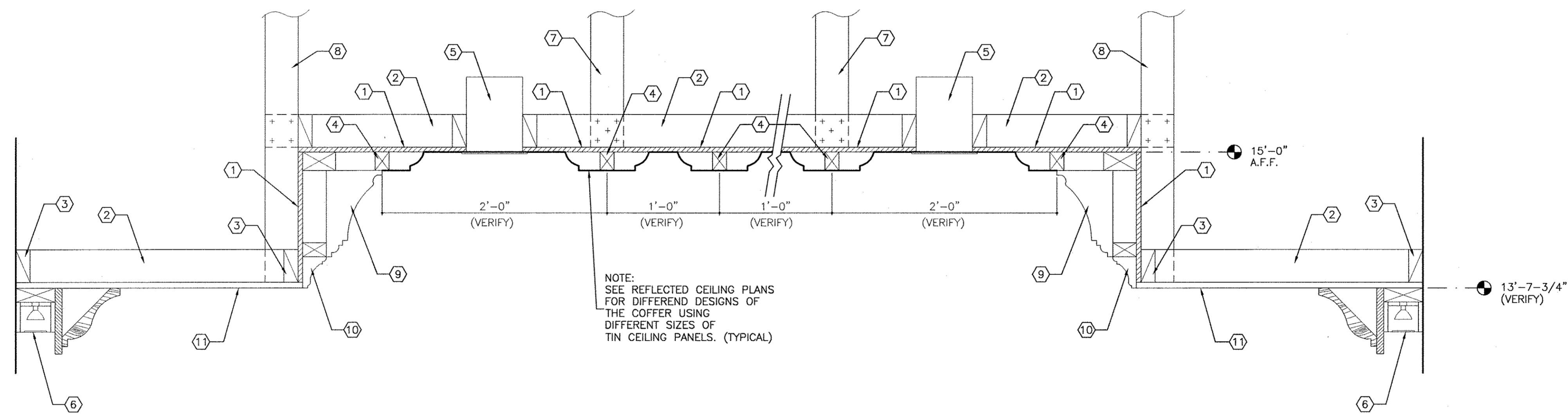


TYPE	SIZE
A	12' X 12'
B	12' X 24'
C	24' X 24'
D	24' X 48'



1 ENLARGED REFLECTED CEILING PLAN - MEZZANINE LEVEL  
ID202 SCALE: 1/8"=1'-0"





1  
1002-9A  
TYPICAL/SIMILAR SUPPORT STRUCTURE  
OF COFFER CEILINGS IN SPACE 202  
SCALE: 1 1/2" = 1'-0"

KEYNOTES

- ① 1/2" PLYWOOD - TYPICAL
- ② 2 X 4's @ 16" O.C.
- ③ 2 X 4 BLOCKING
- ④ CUT 2 X 4 BLOCKING CONTINUOUS AROUND PERIMETER OF ALL 12" X 12", 12" X 24", 24" X 24", 24" X 48" COFFER TIN CEILINGS. NAIL TIN CEILINGS AS RECOMMENDED BY MANUFACTURER. TIN CEILINGS BY CLASSIC CEILINGS, STYLE #508 SERIES.
- ⑤ RECESSED CAN LIGHTS
- ⑥ CONTINUOUS RECESSED LIGHT
- ⑦ 2 X 4's @ 36" O.C. SUPPORT FROM STRUCTURE ABOVE
- ⑧ 2 X 4's @ 24" O.C. SUPPORT FROM STRUCTURE ABOVE
- ⑨ CORNICE DESIGN #806 AROUND ENTIRE PERIMETER OF COFFER. SEE REFLECTED CEILING PLAN.
- ⑩ CORNICE DESIGN #803 AROUND ENTIRE PERIMETER OF COFFER. SEE REFLECTED CEILING PLAN.
- ⑪ 5/8" GYPSUMBOARD CEILING. FINISH AS PER SCHEDULE.

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PROJECT TITLE  
THE KRESS PROJECT  
MAIN STREET  
LAGRANGE, GEORGIA

SHEET TITLE  
COFFER DETAILS

SHEET TITLE

SMITH DESIGN GROUP, INC.  
307 Church Street  
LaGrange  
Georgia  
Phone (706) 882-5511  
Fax (706) 882-7777  
Suite B



DRAWN ANB CHECKED GMS

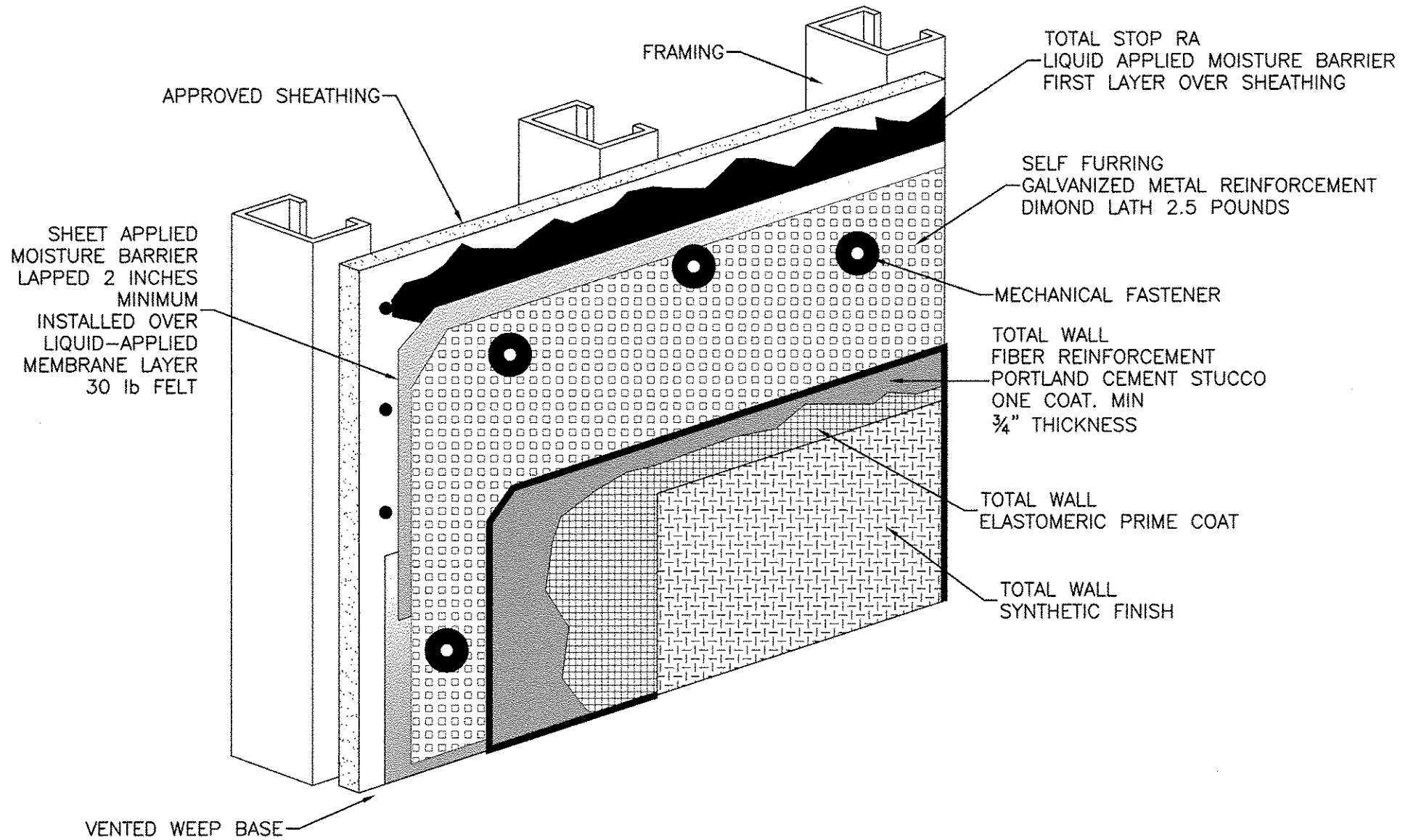
JOB NO. 0911

DATE

SHEET

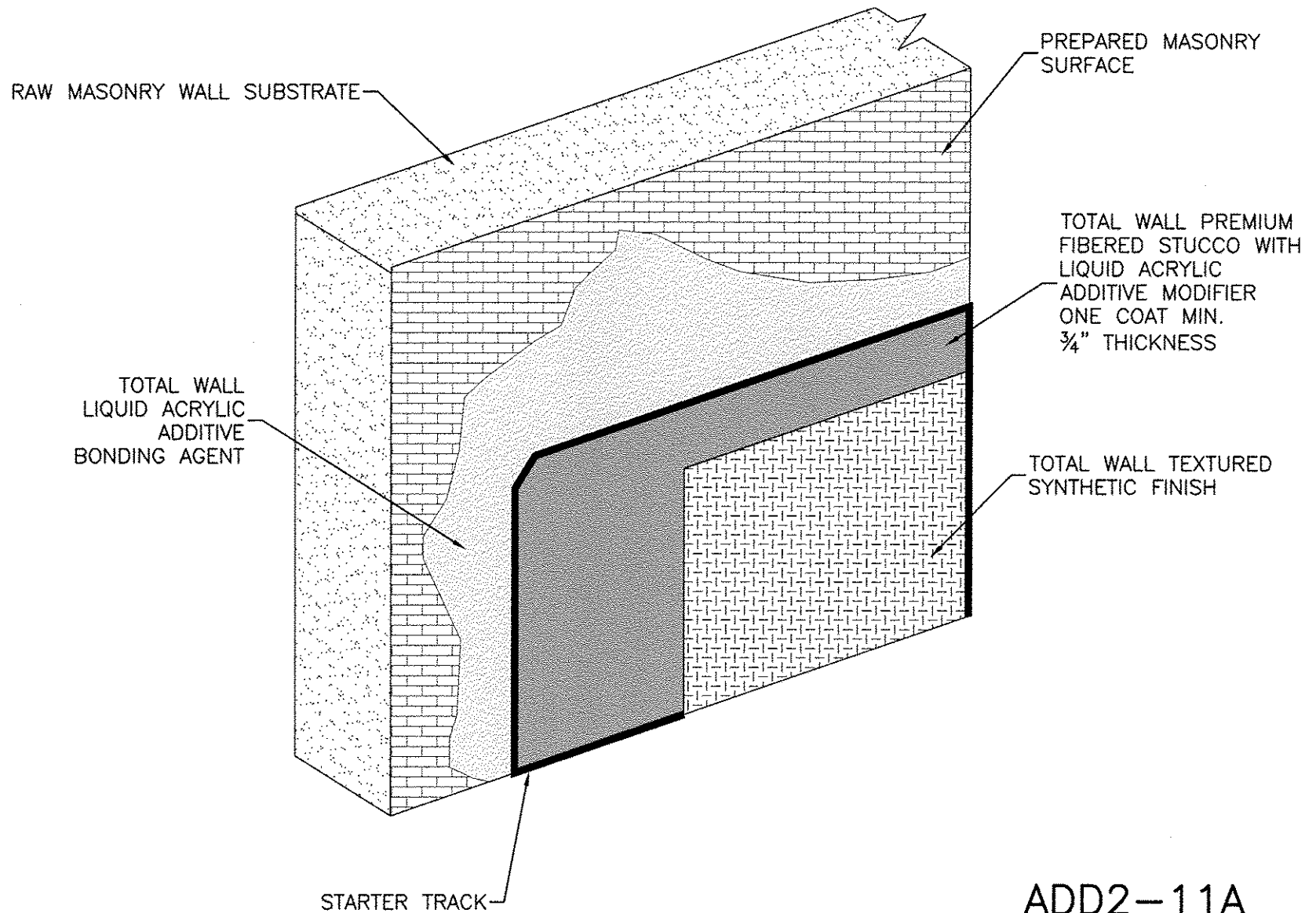
ADD2-9A

# TOTAL WALL DRY-LOCK STUCCO SYSTEM ONE-COAT HARD STUCCO

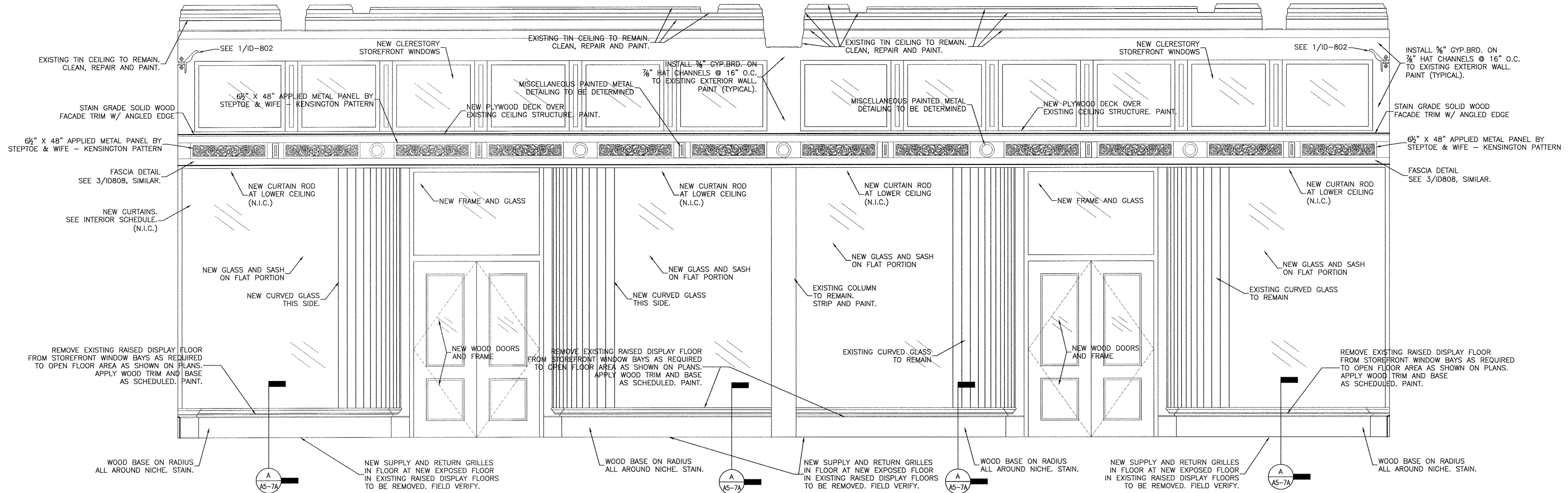


ADD2-10A  
07 DEC 2009

# STUCCO OVER CONCRETE ONE-COAT HARD STUCCO

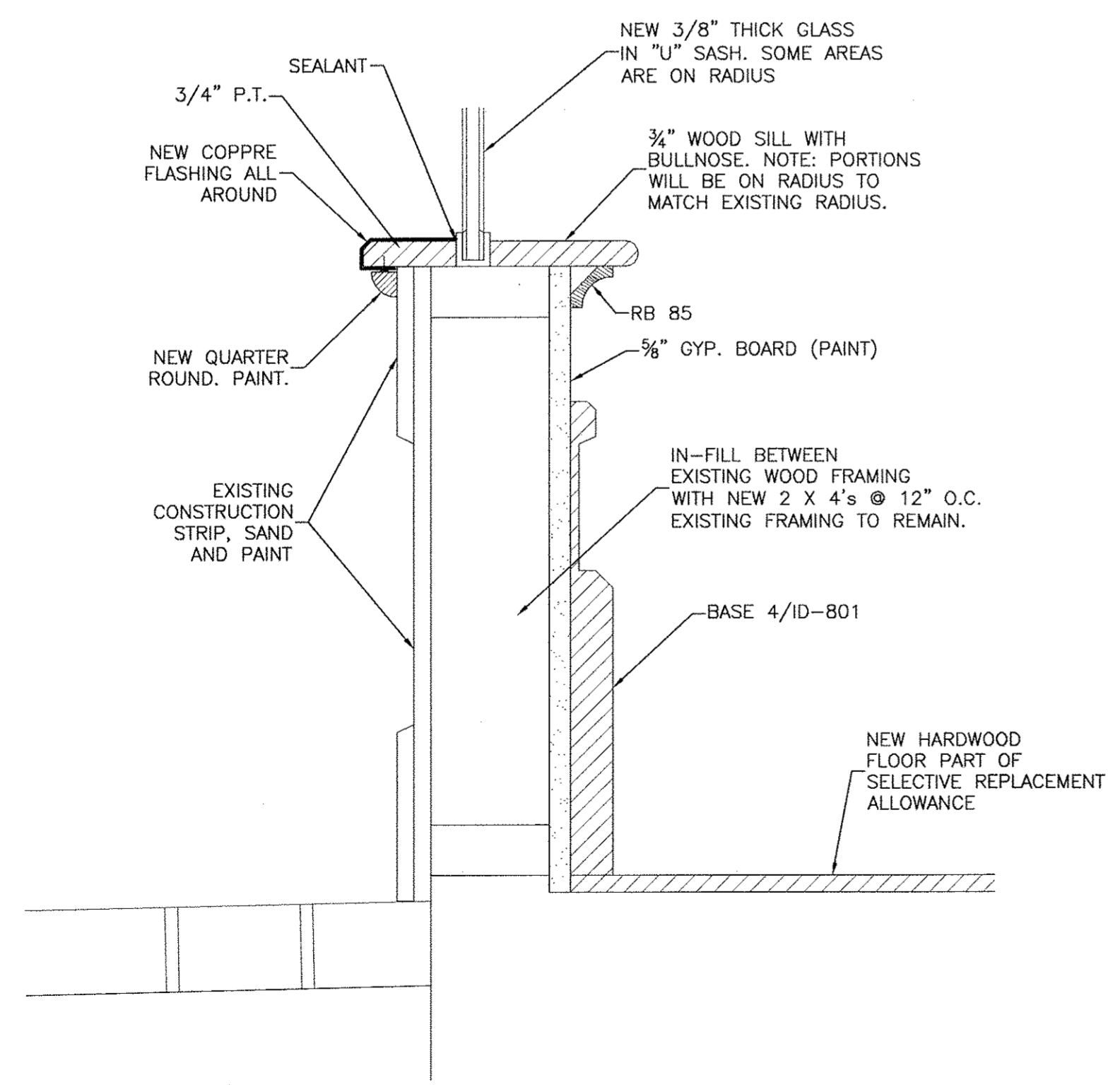


ADD2-11A  
07 DEC 2009

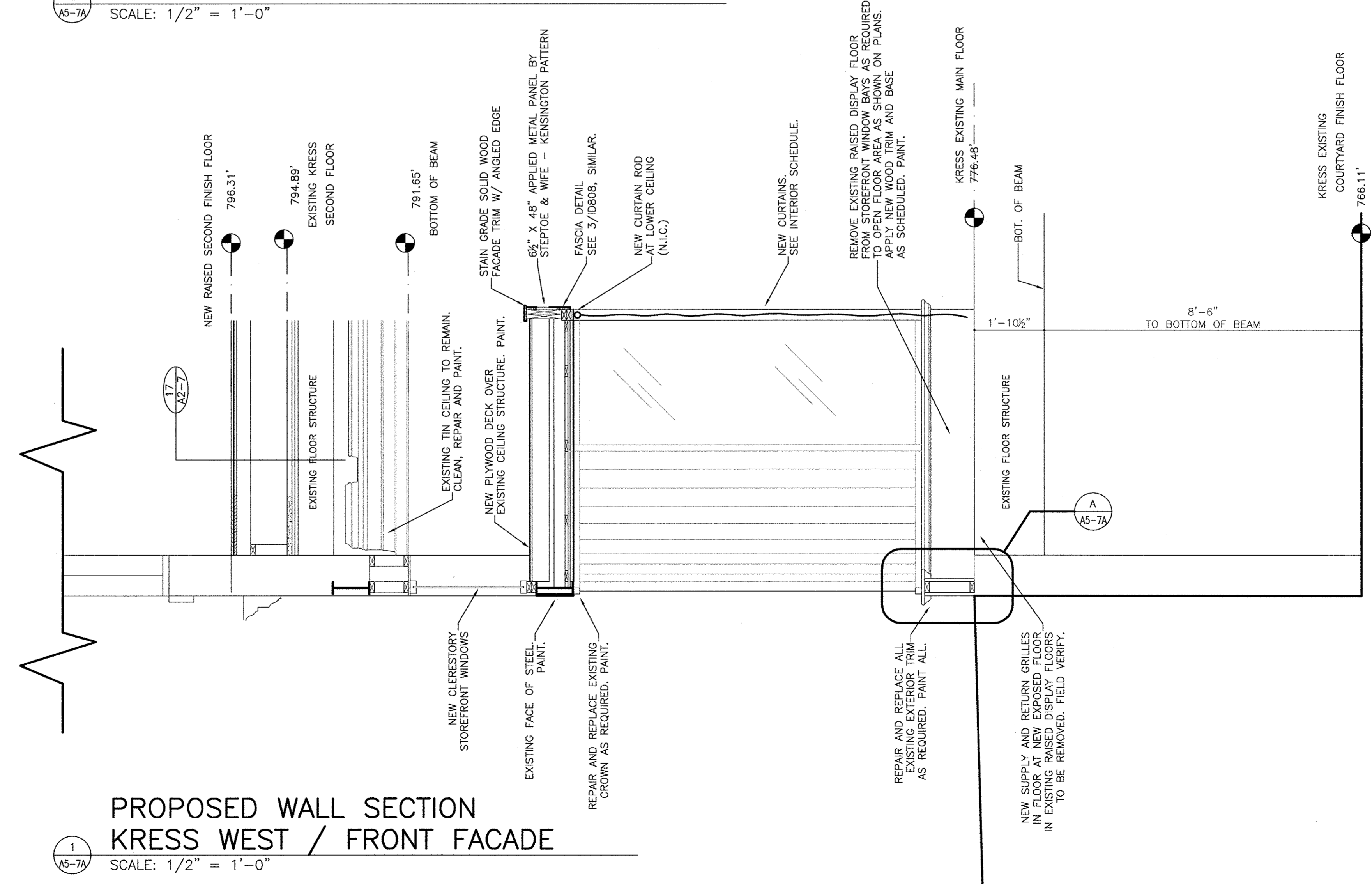


**KRESS WEST / FRONT INTERIOR**  
(SEE 3/ID-706 FOR MORE INFORMATION)

2  
A5-7A SCALE: 1/2" = 1'-0"



**SILL @ MAIN STREET GLASS**  
A5-7A SCALE: 4" = 1'-0"



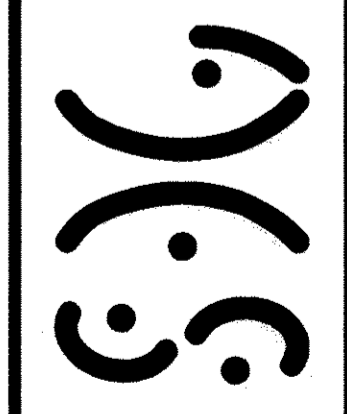
**PROPOSED WALL SECTION**  
**KRESS WEST / FRONT FACADE**  
1  
A5-7A SCALE: 1/2" = 1'-0"



PROJECT TITLE  
**THE KRESS PROJECT**  
MAIN STREET  
LAGRANGE, GEORGIA

SHEET TITLE  
**PROPOSED WALL SECTION**  
KRESS WEST / FRONT FACADE  
FRONT INTERIOR ELEVATION

SMITH DESIGN GROUP, INC.  
307 Church Street  
LaGrange, Georgia  
Phone (706) 882-5511  
Fax (706) 883-7777



DRAWN: JTS  
CHECKED: GMS  
JOB NO.: 0911  
DATE: 05 DEC 2009

SHEET  
**A5-7A**

ADD2-12A 7 DEC 2009