

PERMIT REVIEW SET

**DONAHUE CROSSING**  
AUBURN, ALABAMA



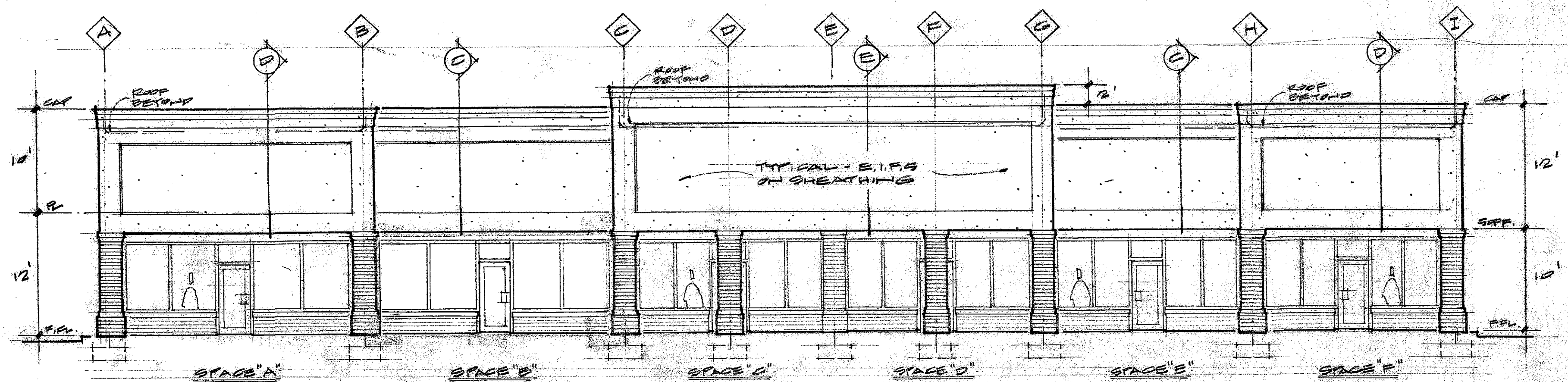
**Charles Robert Muncaster**  
Architect/Planning Consultant

258 SUMMIT DRIVE, MOBILE, ALABAMA 36609 (334) 342-1451

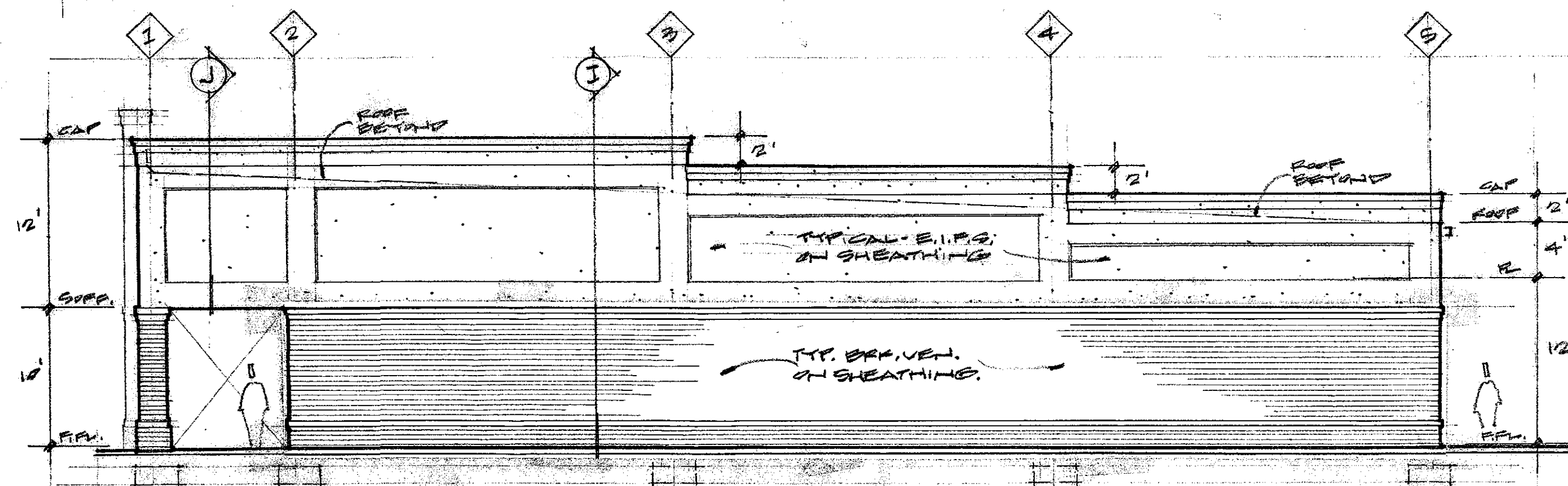
6/5/17

**1**

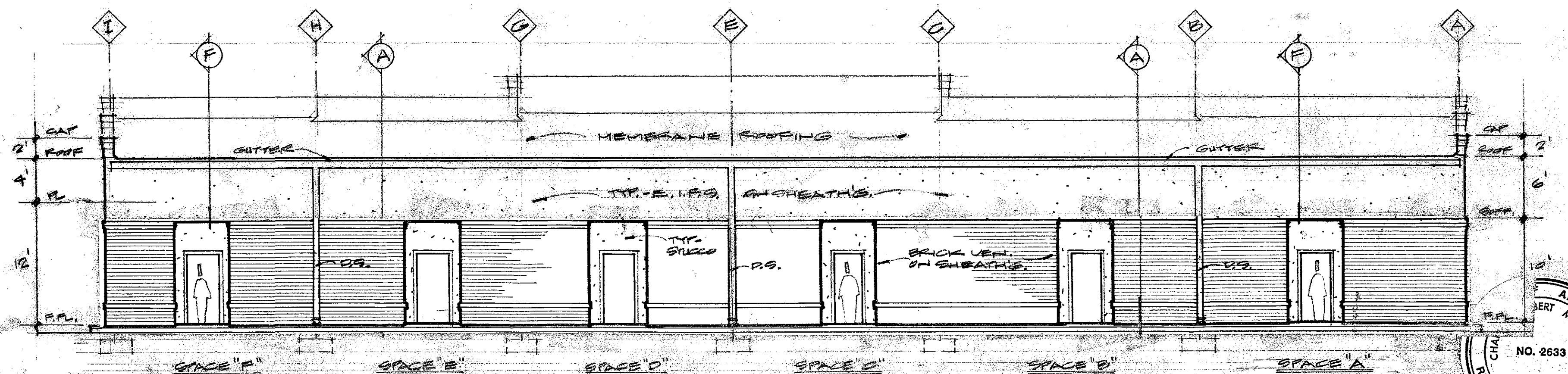




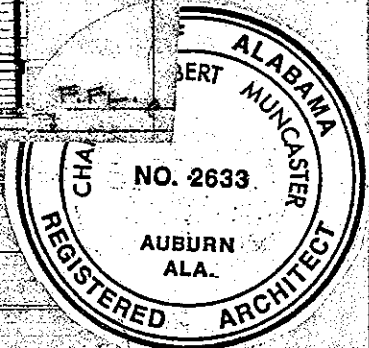
FRONT ELEVATION



RIGHT SIDE ELEVATION



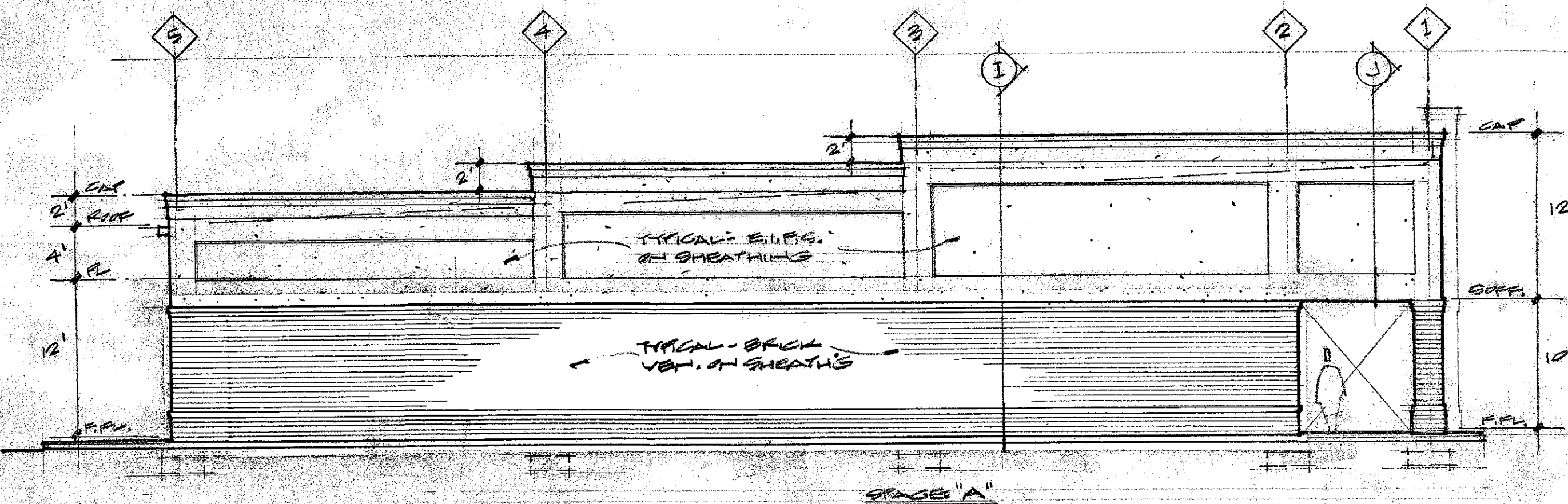
REAR ELEVATION



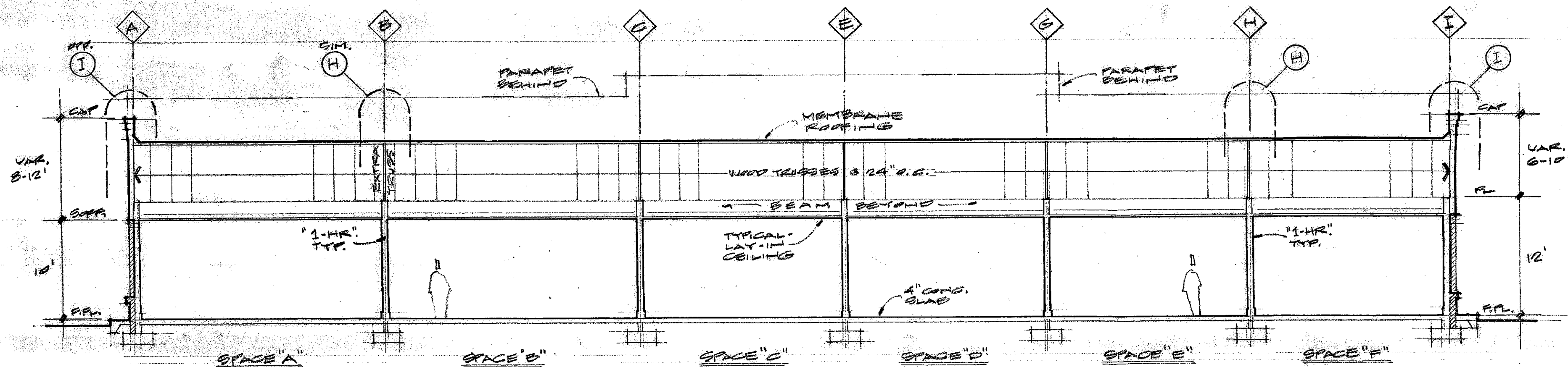
PERMIT REVIEW SET



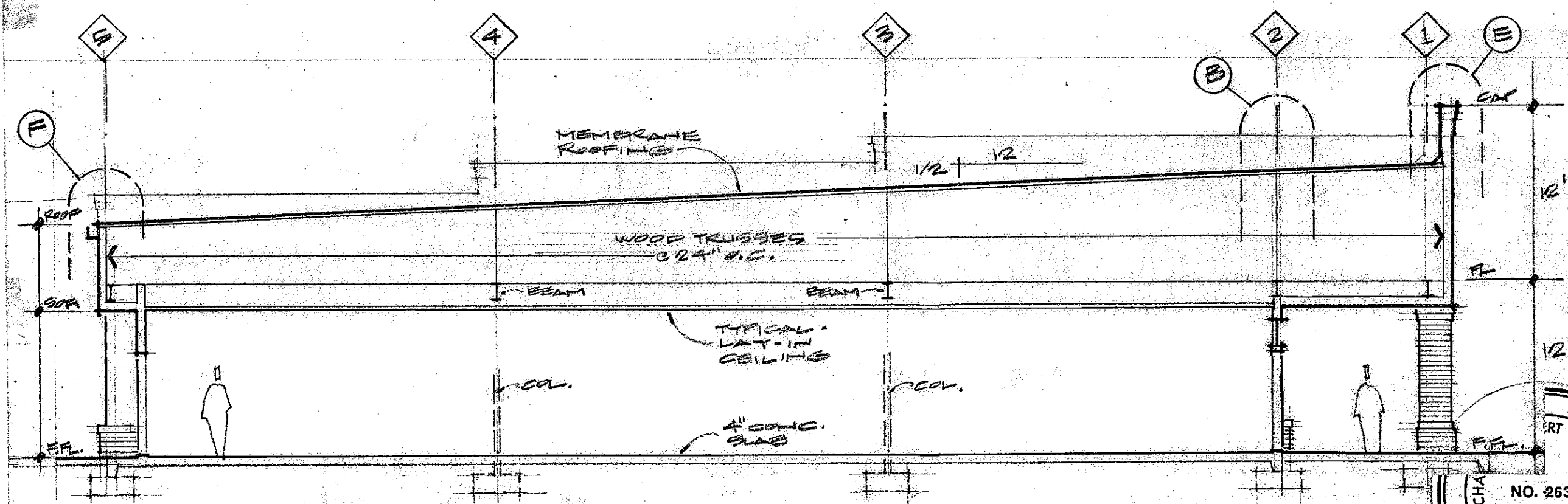




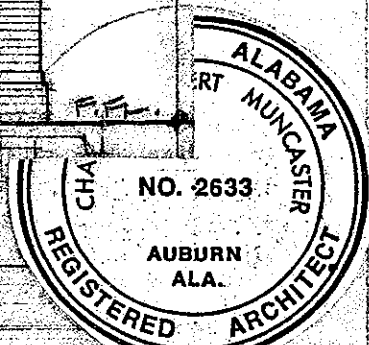
LEFT SIDE ELEVATION  
1/8"



BUILDING SECTION  
1/8"



TYPICAL SECTION  
1/8"

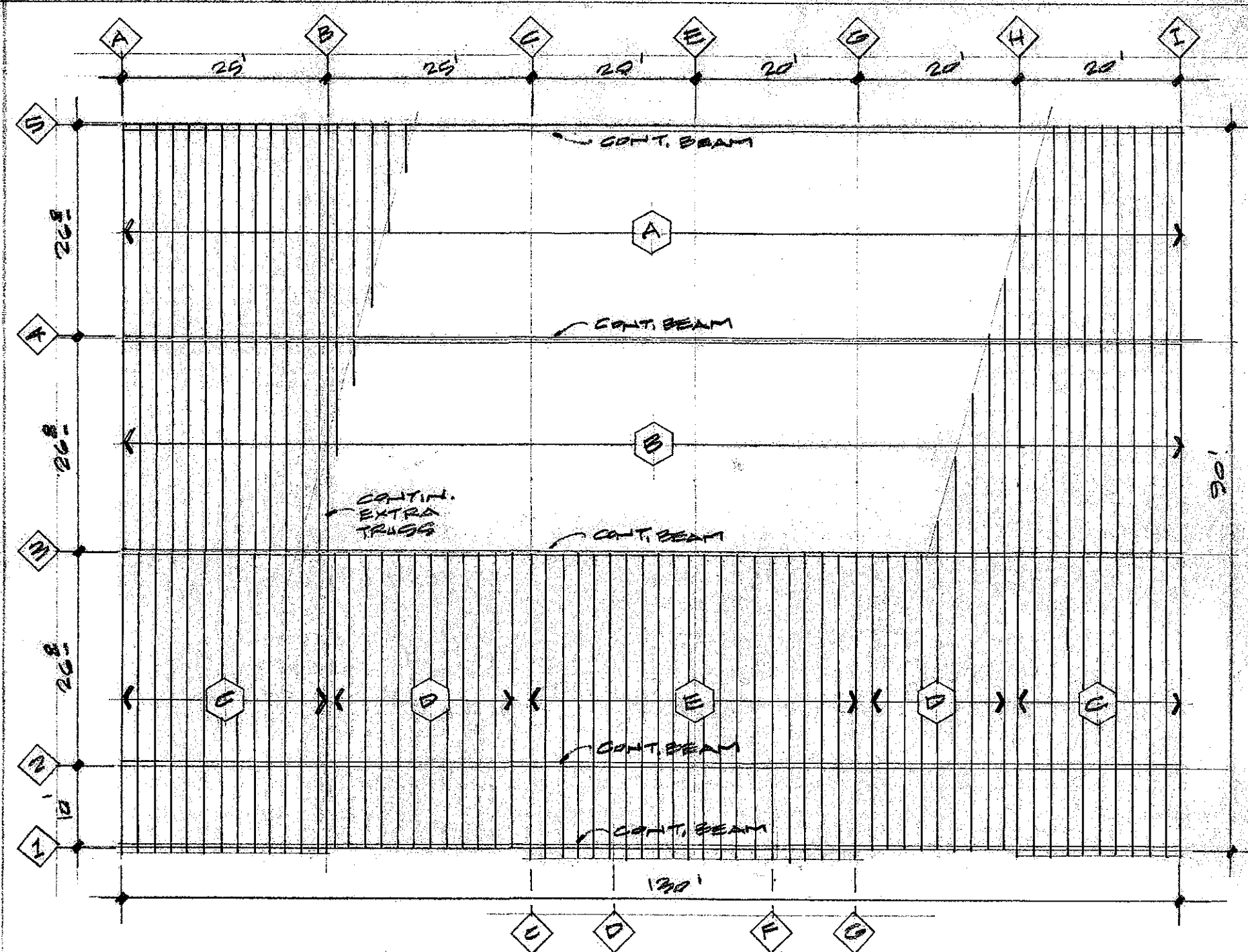


PERMIT REVIEW SET

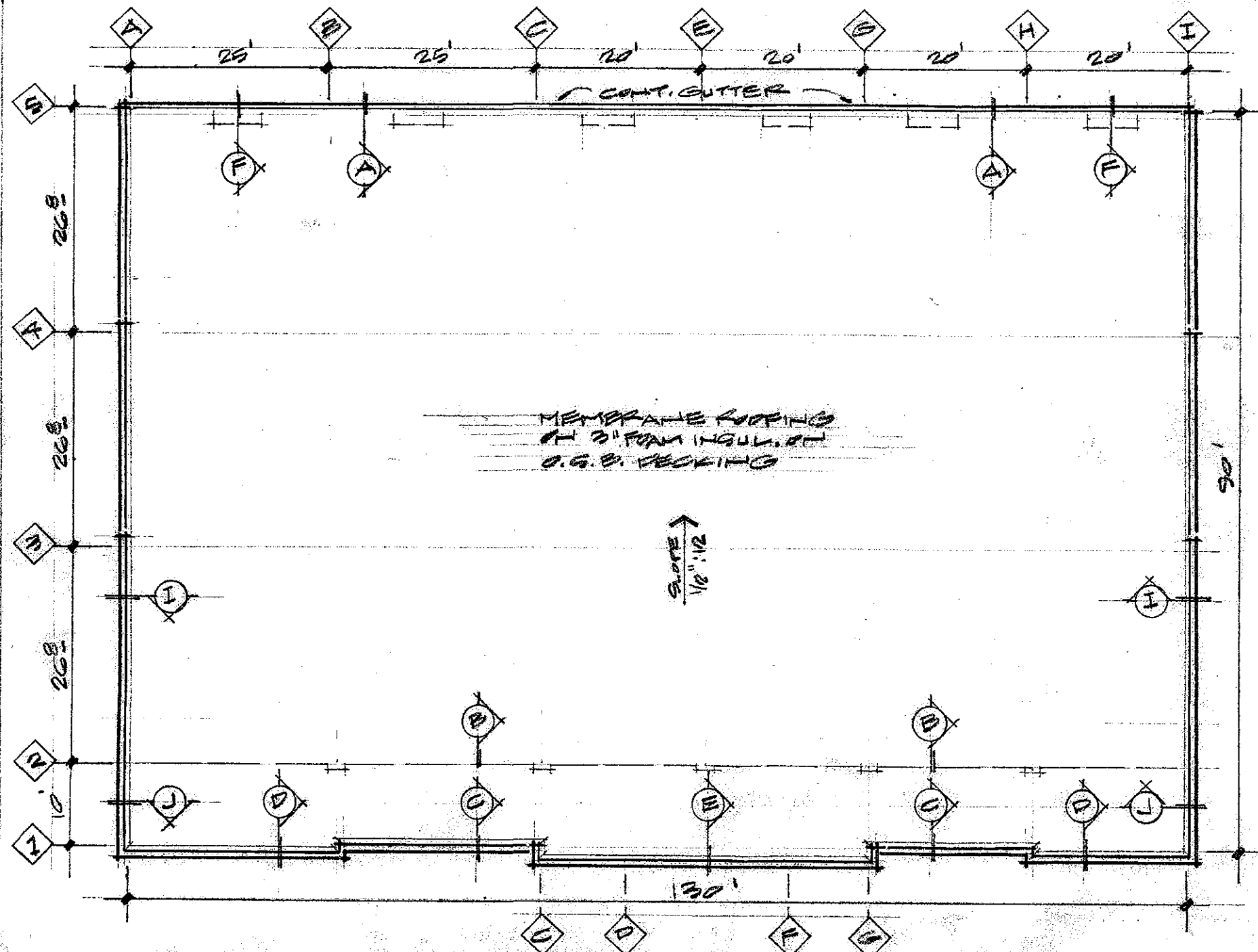


6/19/17

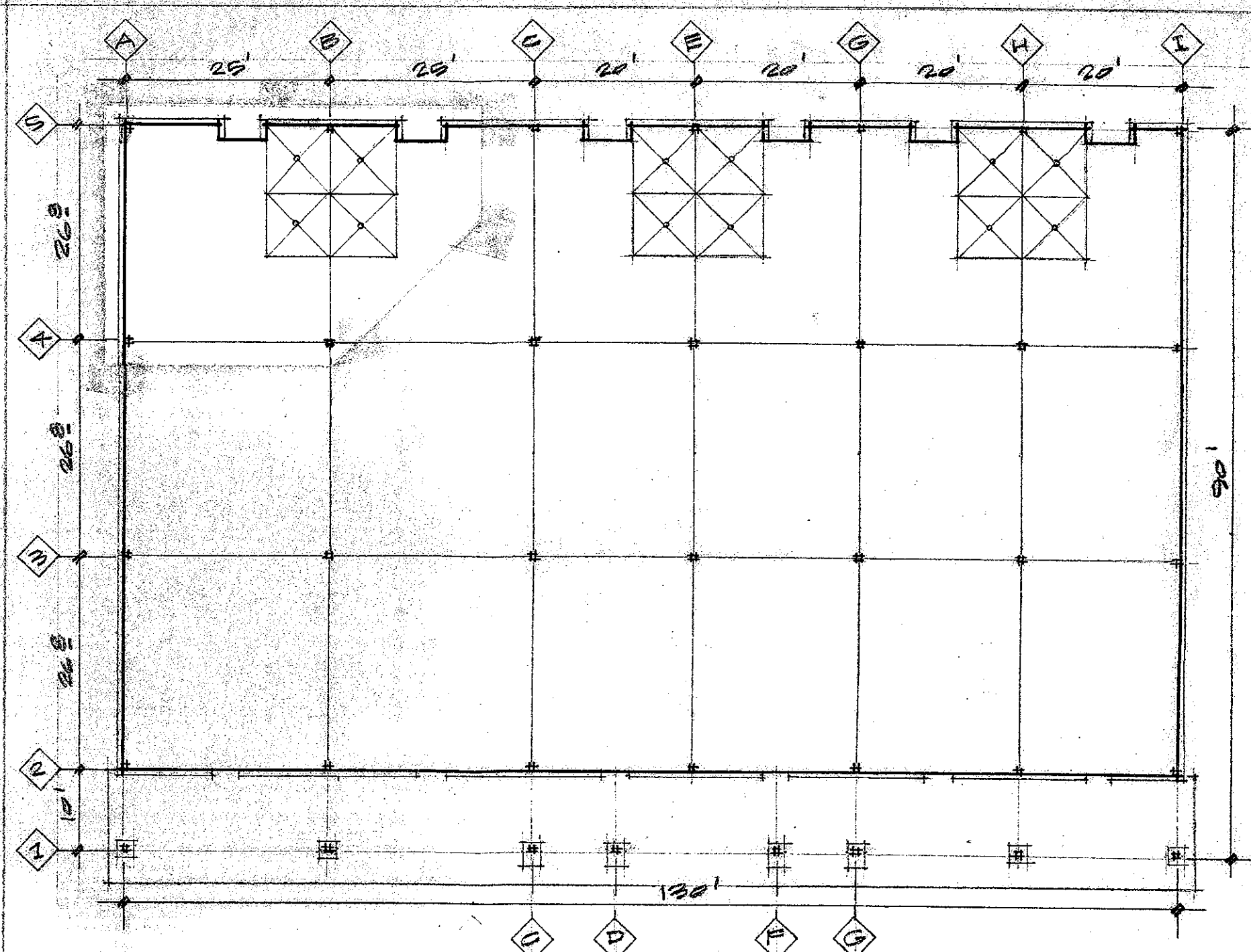




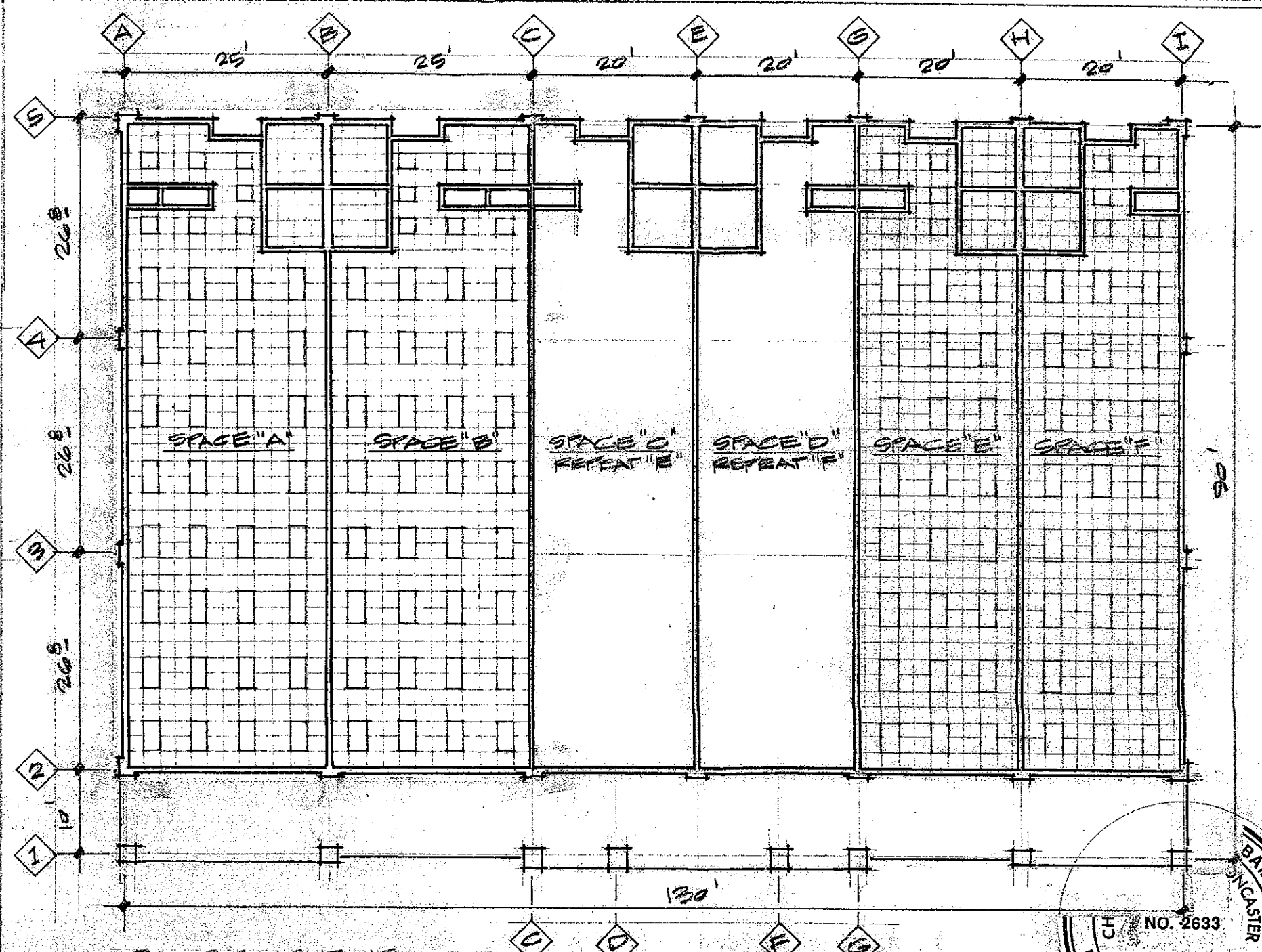
ROOF FRAMING PLAN  
1/8"



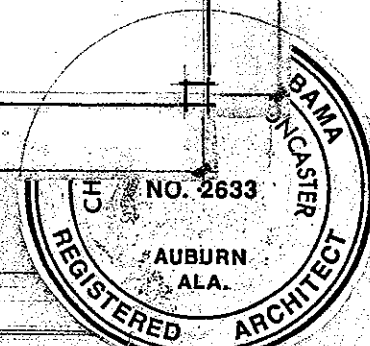
ROOF PLAN  
1/8"



FOUNDATION PLAN  
1/8"

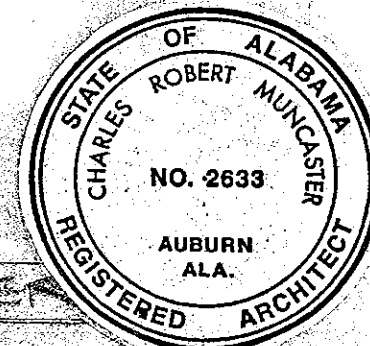
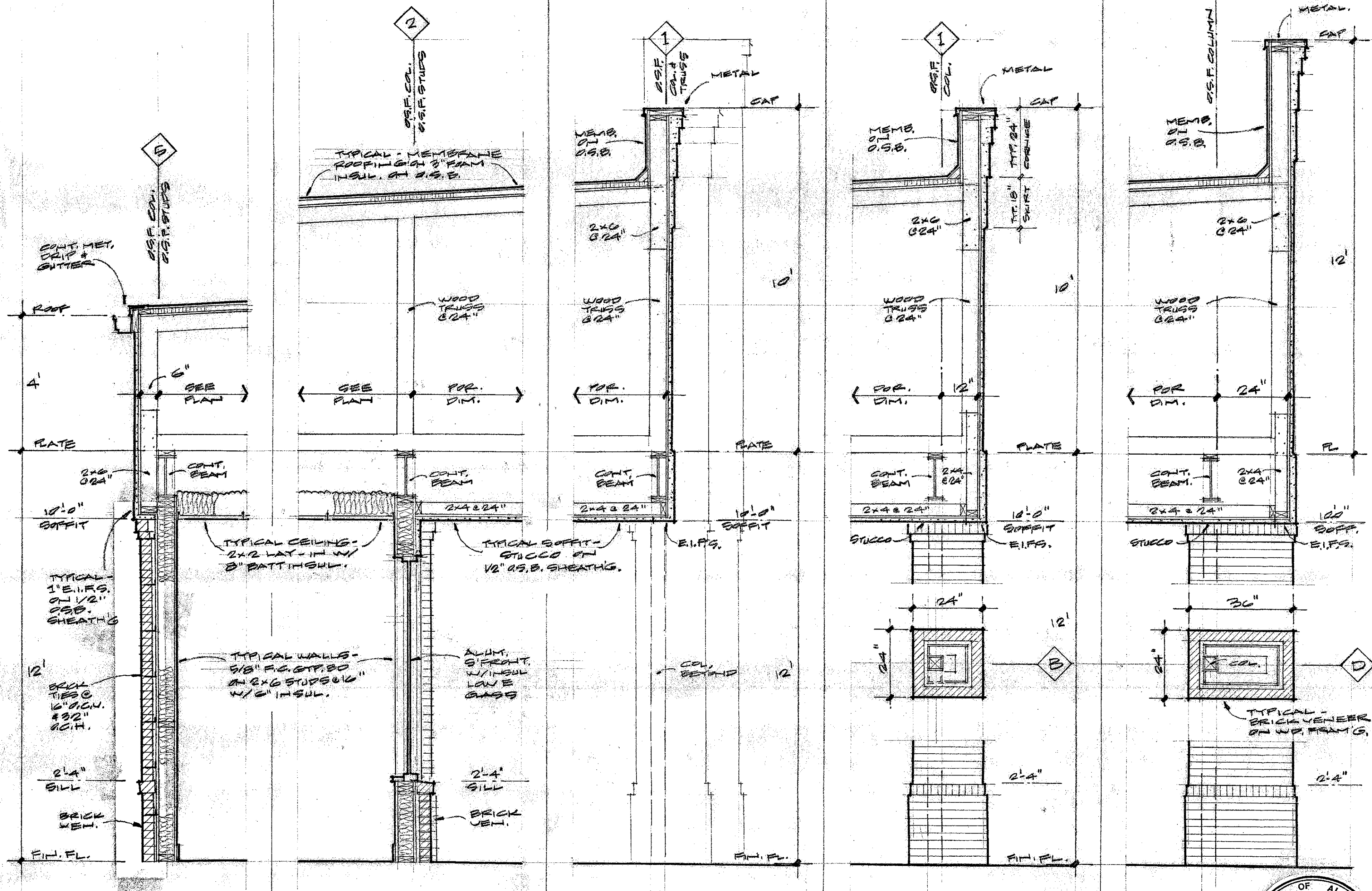


SAMPLE LIGHTING  
REFLECTED CEILING PLAN  
1/8"



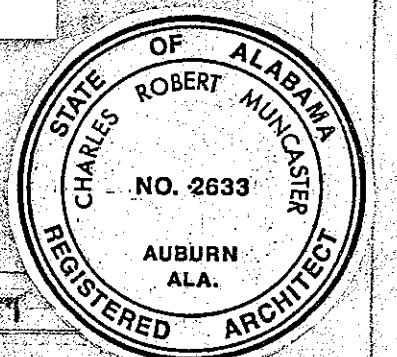
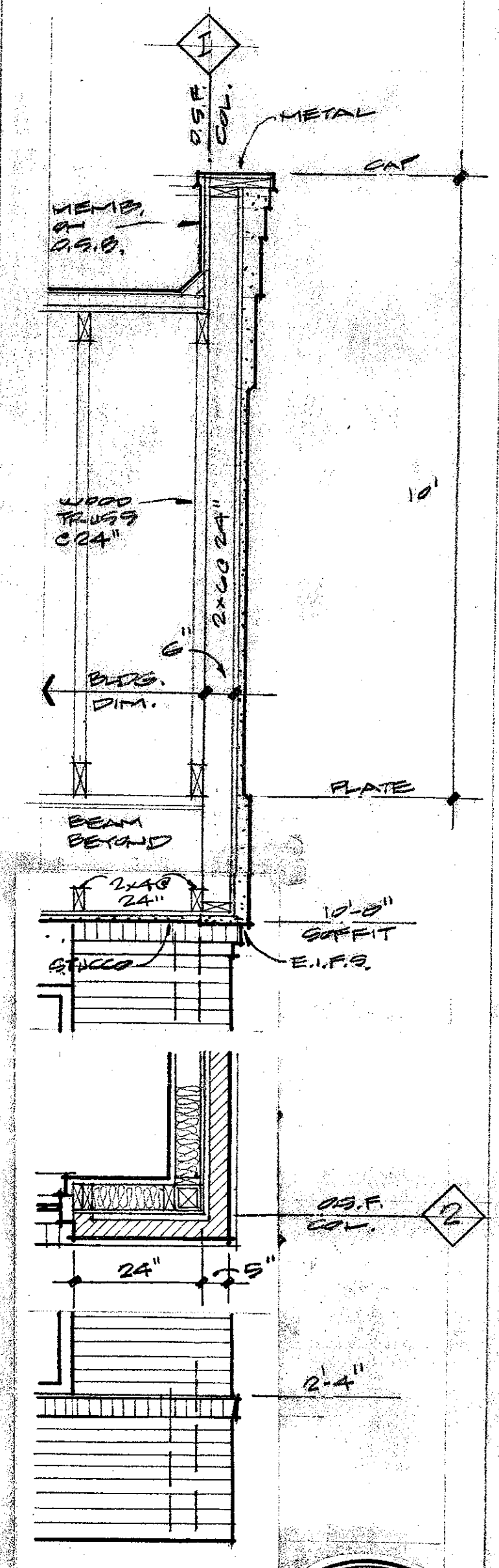
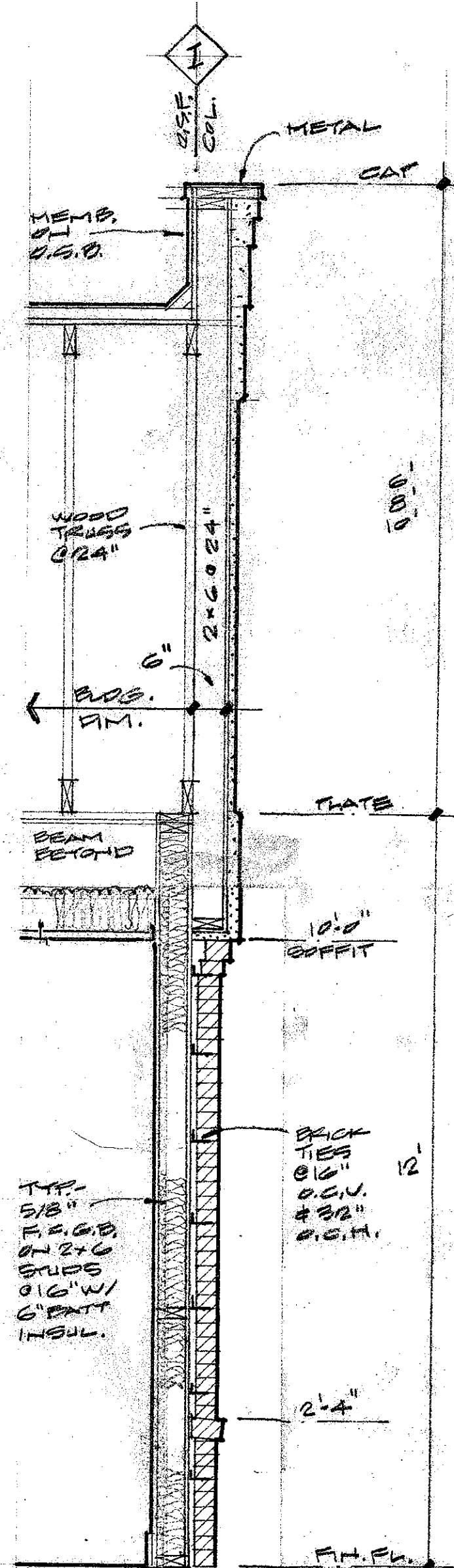
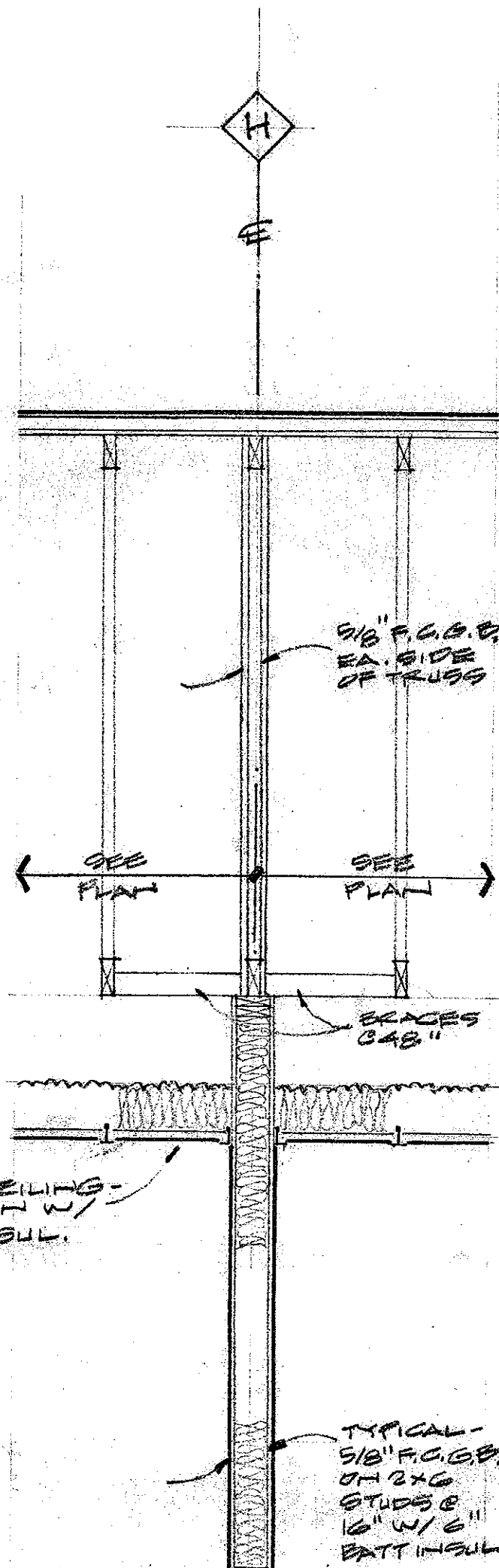
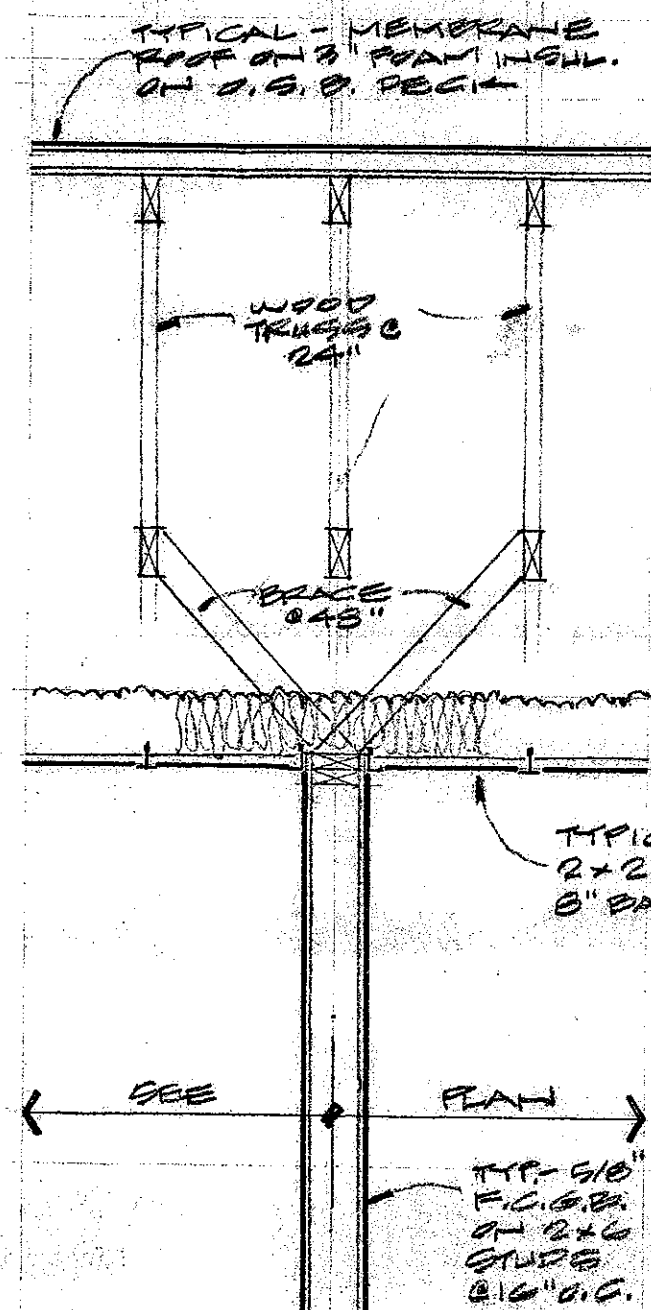
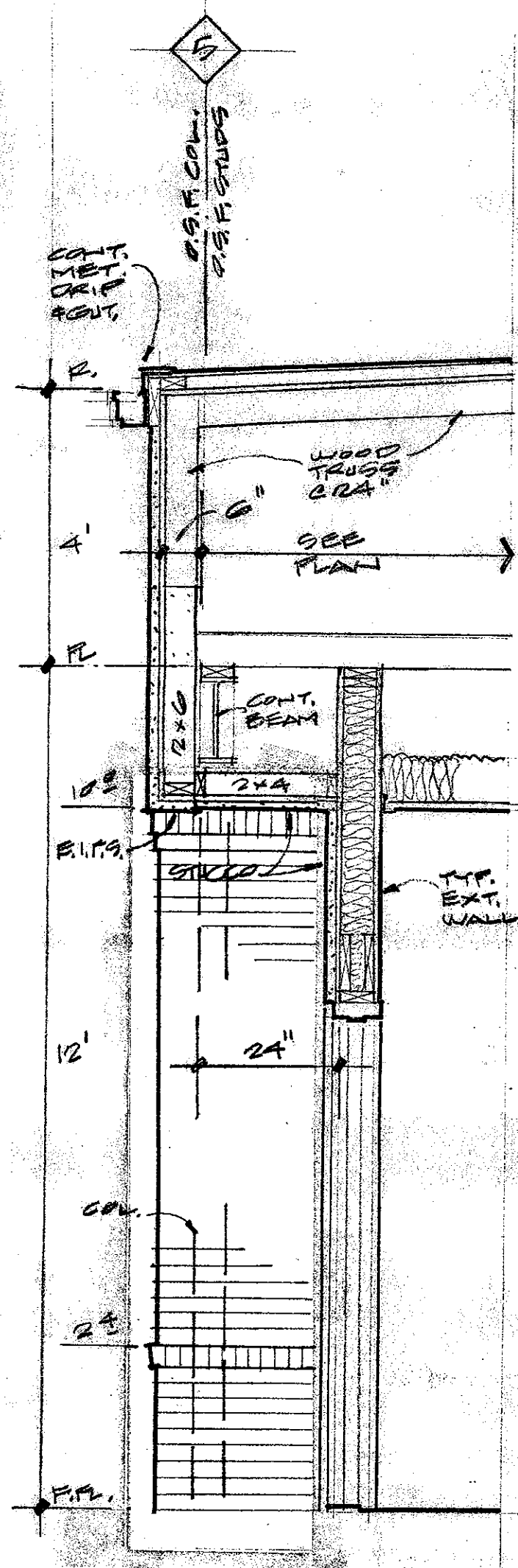
PERMIT REVIEW SET





**A REAR WALL 1/2"**      **B FRONT WALL 1/2"**      **C PORCH CANOPY 1/2"**      **D END CANOPY 1/2"**      **E CENTER 1/2"**

PERMIT REVIEW SET



F PEAK ENTRY  
1/2"

G PARTITION  
1/2"

H DEMISING WALL  
1/2"

I END WALL  
1/2"

J CANOPY  
1/2"

PERMIT REVIEW SET



6/5/17

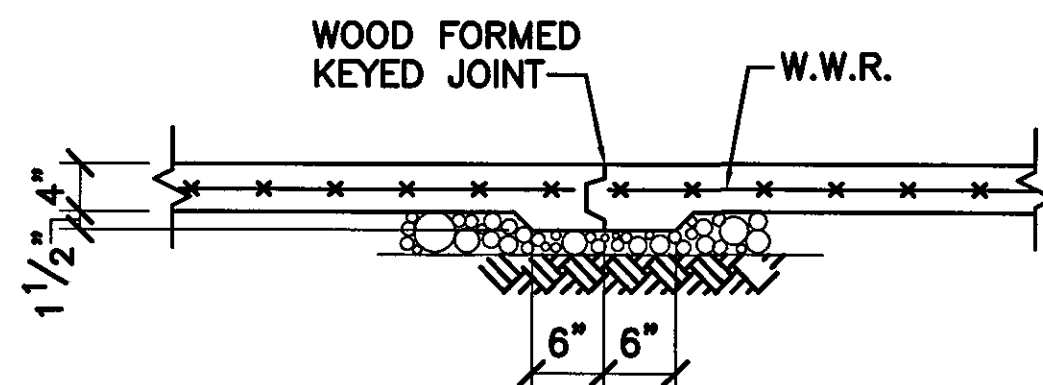


# LINTEL SCHEDULE

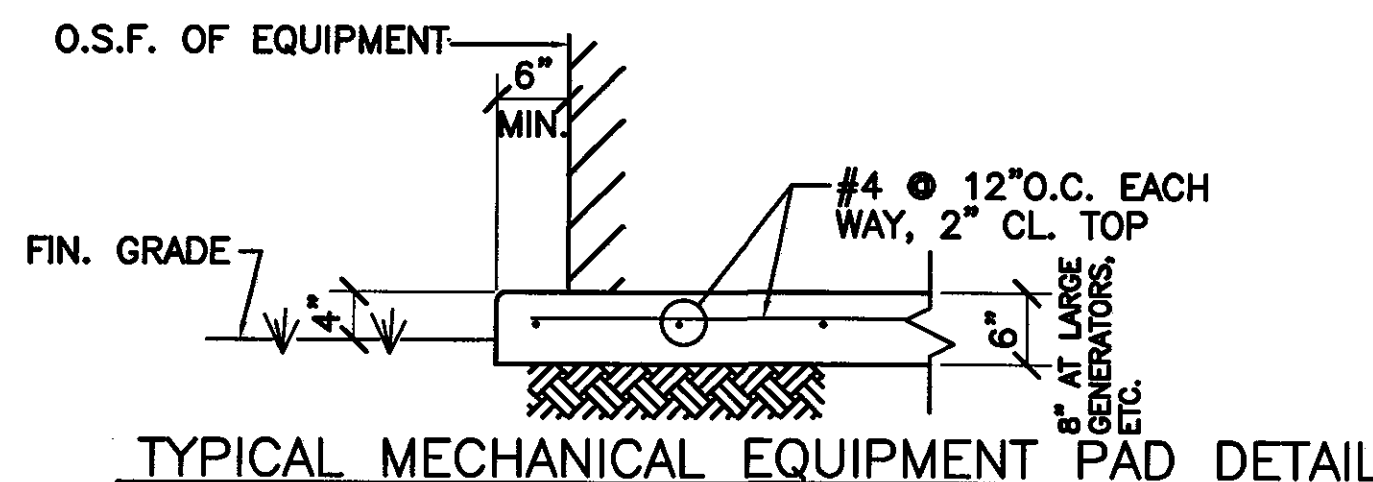
MARK OR LOCATION	MAX. SPAN	TYPE	SIZE	REINFORCEMENT	REMARKS
INT/EXT STUDS	3'-6"	SAWN LUMBER	2-2x10	---	NOTE 1
4" BRICK	3'-4"	STEEL ANGLE	4X4X1/4	---	BEAR 8" EA. END
4" BRICK	6'-8"	STEEL ANGLE	5X5X1/4	---	BEAR 8" EA. END
INT/EXT STUDS	6'-0"	SAWN LUMBER	2-2x12	1/2" PLYWOOD FILLER	NOTE 2

## NOTES:

- 1 - BEAR ON DOUBLE STUDS EACH END W/ ADDITIONAL STUD FULL HEIGHT. CONFIRM PATH OF LOADS TO FOUNDATION. CONTACT ENGINEER W/ DIFFERENT OR UNUSUAL CONDITIONS. PROVIDE TWO STUDS FULL HEIGHT AT EXTERIOR CONDITIONS.
- 2 - BEAR ON DOUBLE STUDS EACH END W/ ADDITIONAL STUD FULL HEIGHT. CONFIRM PATH OF LOADS TO FOUNDATION. CONTACT ENGINEER W/ DIFFERENT OR UNUSUAL CONDITIONS. PROVIDE TWO STUDS FULL HEIGHT AT EXTERIOR CONDITIONS.

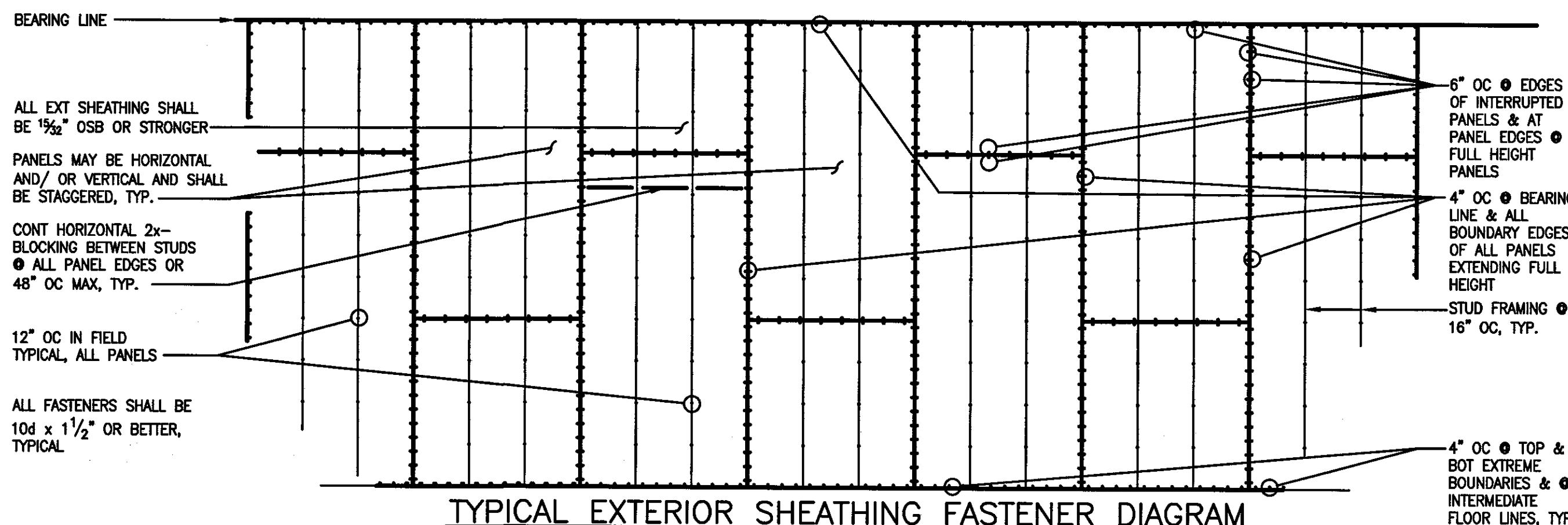


TYPICAL SLAB CONSTRUCTION JOINT DETAIL - (C.J.)



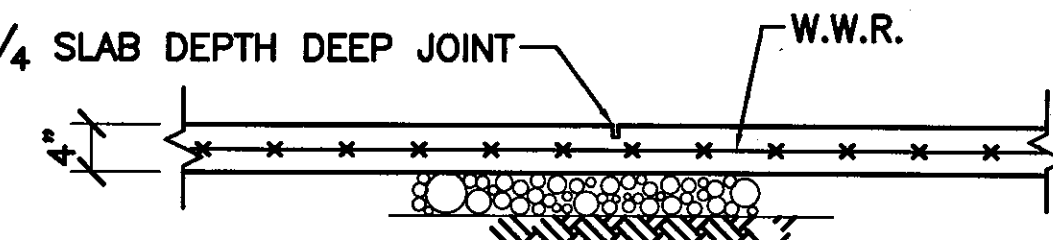
TYPICAL MECHANICAL EQUIPMENT PAD DETAIL

BRICK, WHERE OCCURS CAULK JOINT  
TYPICAL MASONRY CONTROL JOINT (M.C.J.)



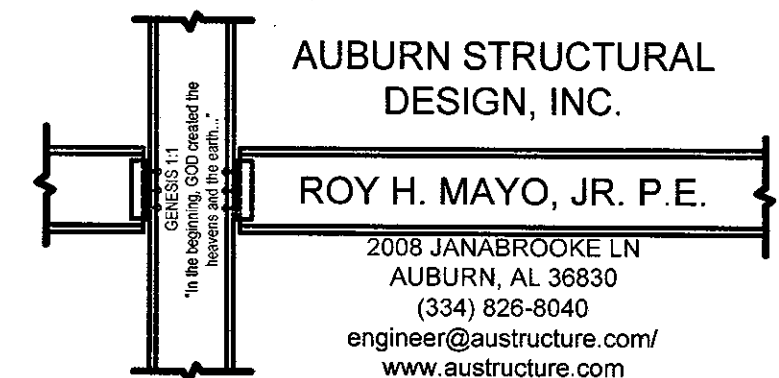
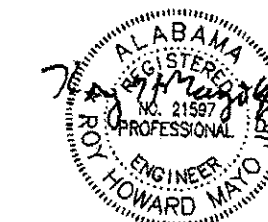
TYPICAL EXTERIOR SHEATHING FASTENER DIAGRAM

SAW CUT 1/8"x1/4" SLAB DEEP JOINT



TYPICAL SAW CUT CONTROL JOINT DETAIL - (S.J.)

CUT SAWN JOINTS AS SOON AS SLAB WILL SUPPORT WEIGHT OF EQUIPMENT



## GENERAL NOTES

### CONCRETE:

1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF  $F'_c = 3000$  PSI, A MAXIMUM WATER-CEMENT RATIO OF 0.55 AND SHALL CONTAIN ENTRAINED AIR AT EXTERIOR CONCRETE. ALL CONCRETE WALLS SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF  $F'_c = 4000$  PSI.
2. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
4. PROTECTIVE COVERING OF REINFORCEMENT (SEE DETAILS) SHALL BE AS FOLLOWS: FOOTINGS AND GRADE BEAMS 3" CLEAR BOTTOM AND SIDES, 1 1/2" CLEAR TOP. CONCRETE SLABS 3/4" CLEAR. CONCRETE PIERS AND WALLS 1 1/2" CLEAR SIDES.
5. LAP ALL CONTINUOUS BARS WITH CLASS A SPLICES (30 DIAMETERS) UNLESS OTHERWISE NOTED.
6. PLACING PLANS AND DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST "A.C.I. DETAILING MANUAL".
7. STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW.

### STRUCTURAL STEEL:

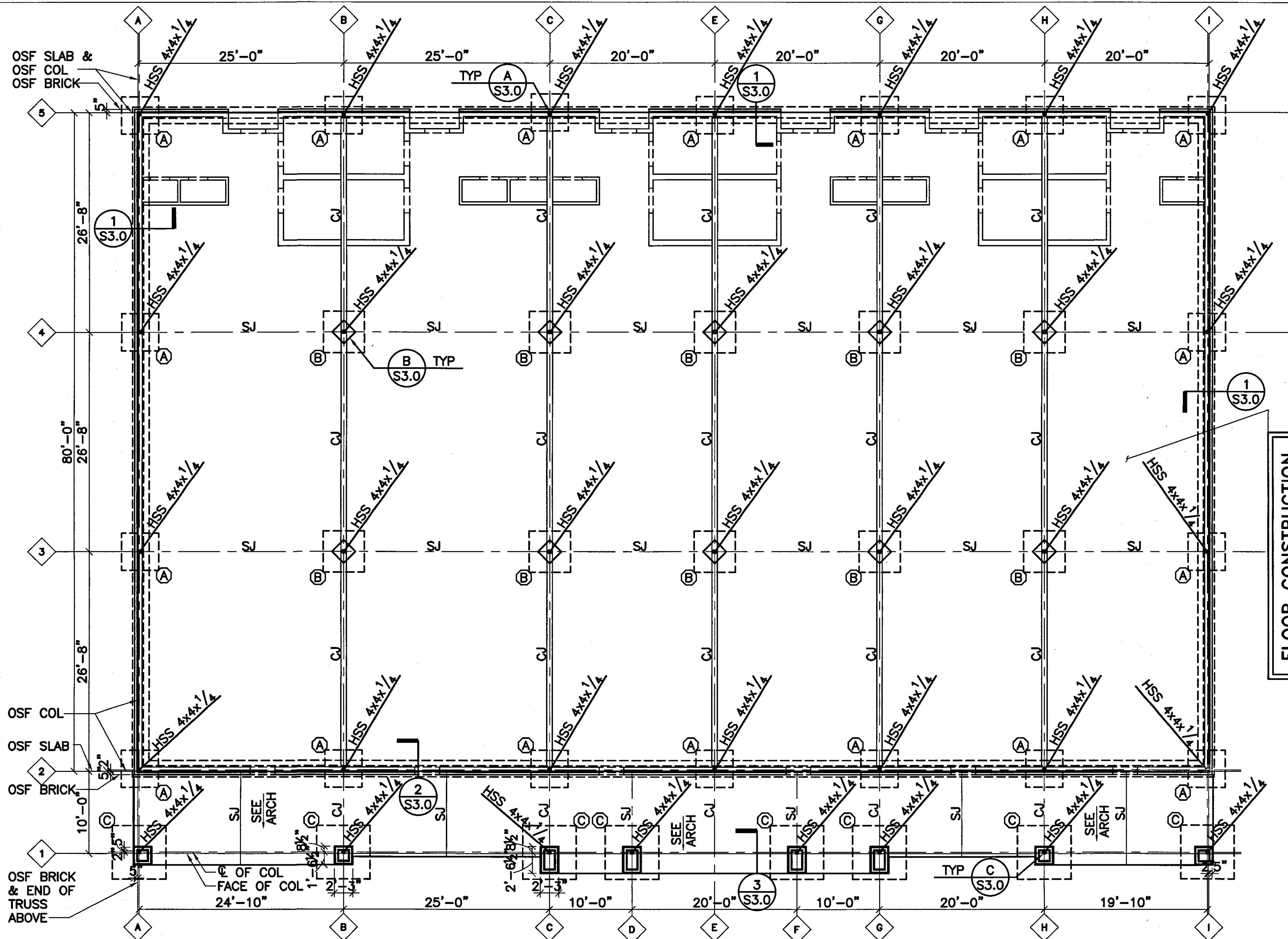
1. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A992, GRADE B,  $F_y = 50$  KSI LATEST EDITION (EXCEPT MISCELLANEOUS SECTIONS & TUBE SECTIONS).
2. STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW. ALL SHOP AND ERECTION DRAWINGS SHALL BE REVIEWED AND SEALED BY THE FABRICATOR'S ENGINEER.
3. THE CONTRACTOR SHALL VERIFY ALL SHOP DRAWINGS DIMENSIONS WITH STRUCTURAL AND ARCHITECTURAL PLANS AND DETAILS.
4. STRUCTURAL STEEL TUBE SECTIONS SHALL CONFORM TO ASTM A500, GRADE B,  $F_y = 46.0$  KSI. MISCELLANEOUS SHAPES (ANGLES, PLATES, ETC.) SHALL CONFORM TO ASTM A36.
5. BOLTED CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS CONFORMING TO ASTM A325. USE 3/4 INCH DIAMETER MINIMUM.
6. CONNECTIONS NOT SHOWN ON DRAWINGS SHALL BE DESIGNED BY THE FABRICATOR. WHERE POSSIBLE USE DOUBLE ANGLE CONNECTIONS. USE MAXIMUM NUMBER OF BOLTS FOR DEPTH OF BEAM.
7. PROVIDE 1/2" THRU-PLATE CONNECTIONS AT HSS COLUMN/ BEAM CONN'X'NS.
8. UNLESS OTHERWISE SPECIFIED, ALL ANCHOR BOLTS, NUTS & WASHERS SHALL BE ASTM F1554 GRADE 36 OR BETTER.
9. LIGHT GAGE STEEL STUDS SHALL HAVE A YIELD STRENGTH OF NOT LESS THAN 50 KSI.
10. CONTRACTOR: VERIFY COL LOCS W/ RESPECT TO REQ'D BEAM COL LOCS TO COORD W/ ARCHITECTURAL FINISHES.

### WOOD FRAMING:

1. ALL WOOD FRAMING MEMBERS SHALL BE STRESS RATED AND GRADE MARKED.
2. ALL FRAMING MEMBERS SHALL BE SPF NO.2, KILN DRIED, EXCEPT AS NOTED OR APPROVED EQUAL.
3. PROVIDE PREFABRICATED WOOD TRUSSES WHERE INDICATED ON PLAN.
4. ALL TRUSSES SHALL BE DESIGNED AND MANUFACTURED TO MEET THE FOLLOWING WORKING LOADS AND CODES.

### MASONRY:

1. ALL MASONRY ANCHORS TO BE GALVANIZED.
2. PROVIDE ASTM A951 MASONRY HORIZONTAL JOINT REINFORCEMENT 16" O.C. VERTICAL IN ALL CONCRETE BLOCK WALLS. REINFORCEMENT SHALL BE FOR TOTAL WIDTH OF CAVITY AND MULTI-WYTHE WALLS. JOINT REINFORCING SHALL BE "LADDER TYPE" EQUAL TO OR BETTER THAN DUR-O-WAL D/A 3200 WITH W1.7 SIDE RODS.
3. CONCRETE OR GROUT FOR BLOCK FILL SHALL HAVE 3/8 INCH MAXIMUM SIZE COARSE AGGREGATE AND SUFFICIENT WATER SO THE CONCRETE WILL FLOW INTO THE BLOCK CELLS WITHOUT LEAVING VOIDS. HEIGHT STABILIZE ALL MASONRY WALLS WITH ANCHORS NOTED BELOW.
4. UNLESS INDICATED OTHERWISE PROVIDE KEYED RUBBER MASONRY CONTROL JOINTS AT A MAXIMUM SPACING OF 30 FEET. JOINT SHALL BE DISCONTINUOUS AT BOND BEAM.
5. PROVIDE REINFORCING BAR SUPPORTS TO CENTER VERTICAL REINFORCING IN MASONRY WALLS.
6. PROVIDE 36 INCH LAP SPLICE IN VERTICAL MASONRY REINFORCING.
7. PROVIDE 4'-0" X 4'-0" CORNER BARS IN ALL U-BLOCK CORNERS SEE SPECIFICATIONS FOR CONCRETE MASONRY UNIT SIZE AND TYPE (ASTM C90), & ARCHITECTURAL DWGS FOR COURSING AND PLACEMENT. SEE ARCHITECTURAL DRAWINGS FOR CLAY BRICK MASONRY DETAILS.
8. MORTAR FOR CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C270 AND TO PROJECT SPECIFICATIONS.
9. IN-PLACE UNIT COMPRESSIVE STRENGTH OF REINFORCED CONCRETE MASONRY  $f'_m$  SHALL BE 1500 PSI AT 28 DAYS.
10. COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE ON JOB SITE FOR FOR REVIEW OF THE INSPECTOR.
11. PROVIDE EQUAL TO OR BETTER THAN GALVANIZED DUR-O-WAL D/A 101 SEISMIC TIES W/ DOVETAIL SLOTS AND ANCHORS.
12. MORTAR FOR MASONRY CONSTRUCTION SHALL CONFORM TO ASTM C270, TYPE M.
13. GROUT FOR MASONRY CONSTRUCTION SHALL CONFORM TO ASTM C476, 3000 PSI, MINIMUM, AS REQ'D TO ACHIEVE  $f'_m$  OF 1500 PSI AT 28 DAYS.



**FLOOR CONSTRUCTION**  
 4" CONC. W/ 6x6- W1.4xW1.4  
 W.W.R. OVER VAPOR BARRIER  
 OVER 4" POROUS FILL  
 FIN. FL. EL.= 100.00' (ASSUMED)  
 TOP OF FTG. EL.= 98.00' (U.N.O.)

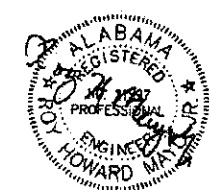
# **FLOOR & FOUNDATION PLAN**

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

## **NOTES**

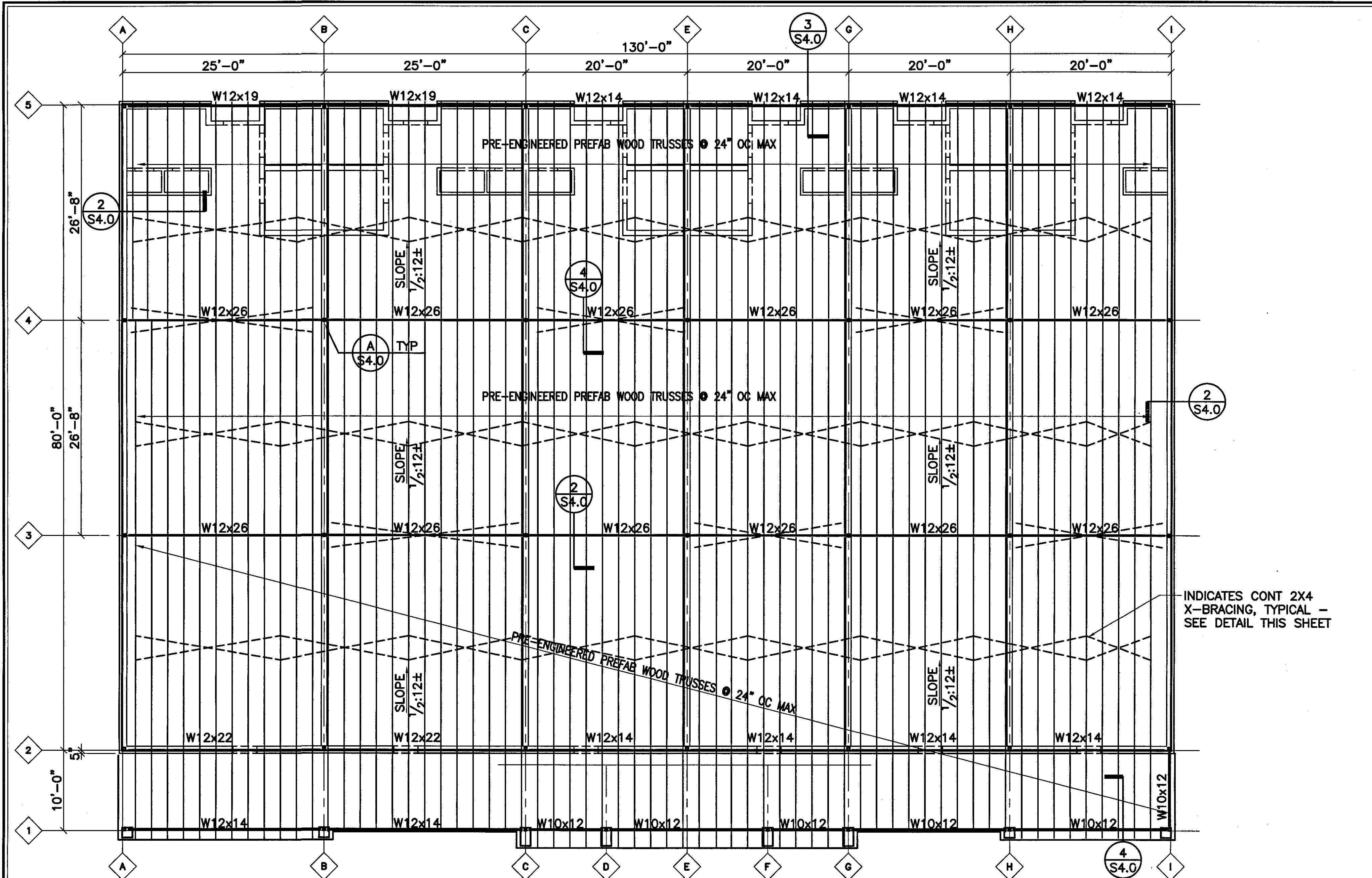
1. SLOPE & DEPRESS SLAB AS REQ'D-SEE ARCH.
2. CONFIRM LOCATIONS OF ALL PLUMBING DRAINS, ETC., BEFORE PLACING CONCRETE.
3. COORDINATE ALL FLOOR ELEVATIONS WITH ARCH. BEFORE BEGINNING WORK.
4. COORDINATE ALL DIMENSIONS WITH ARCH. BEFORE BEGINNING WORK.
5. VERIFY FOOTING ELEVATIONS & STEP AS REQ'D TO PROVIDE NOT LESS THAN 12" COVER TO TOP OF FOOTING OR NOT LESS THAN 24" TO TOP OF FOOTING BELOW FINISH FLOOR, WHICHEVER IS LOWER. SEE SHEET S1.0 FOR DETAIL.

FOOTING SCHEDULE			
MARK	SIZE	DEPTH	REINFORCEMENT
(A)	3'-0" x 3'-0"	12"	4-#4 EA. WAY TOP & BOT. w/ STD. 180° HOOK EA END
(B)	3'-9" x 3'-9"	12"	4-#4 EA. WAY TOP & BOT.
(C)	5'-3" x 5'-3"	12"	5-#5 EACH WAY TOP & BOT.



AUBURN STRUCTURAL  
 DESIGN, INC.  
 ROY H. MAYO, JR., P.E.  
 2008 JANABROOKE LANE  
 AUBURN, AL 36830  
 (334) 826-8040  
 engineer@austructure.com/  
 www.austructure.com



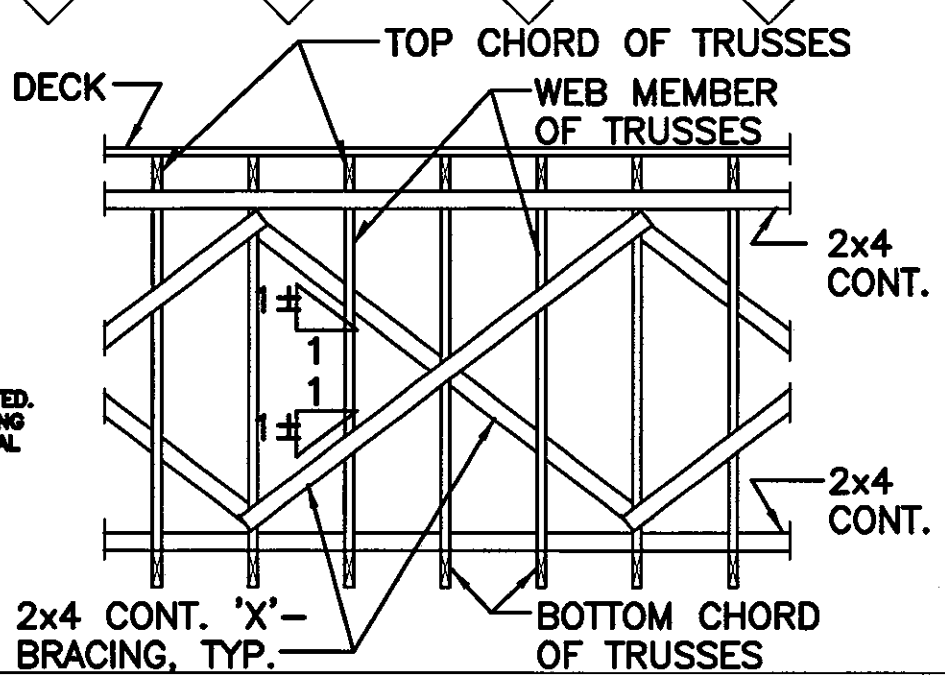


INDICATES CONT 2X4  
X-BRACING, TYPICAL -  
SEE DETAIL THIS SHEET

# **ROOF FRAMING PLAN** SCALE: 1/8" = 1'-0"

**ROOF CONSTRUCTION**  
5/8" THICK APA RATED PLYWOOD  
DECK, EXPOSURE 1, WITH PANEL  
IDENTIFICATION INDEX OF 40/20  
OVER PRE-ENGINEERED PREFAB-  
RICATED WOOD TRUSSES  
@ 24" O.C. MAX.

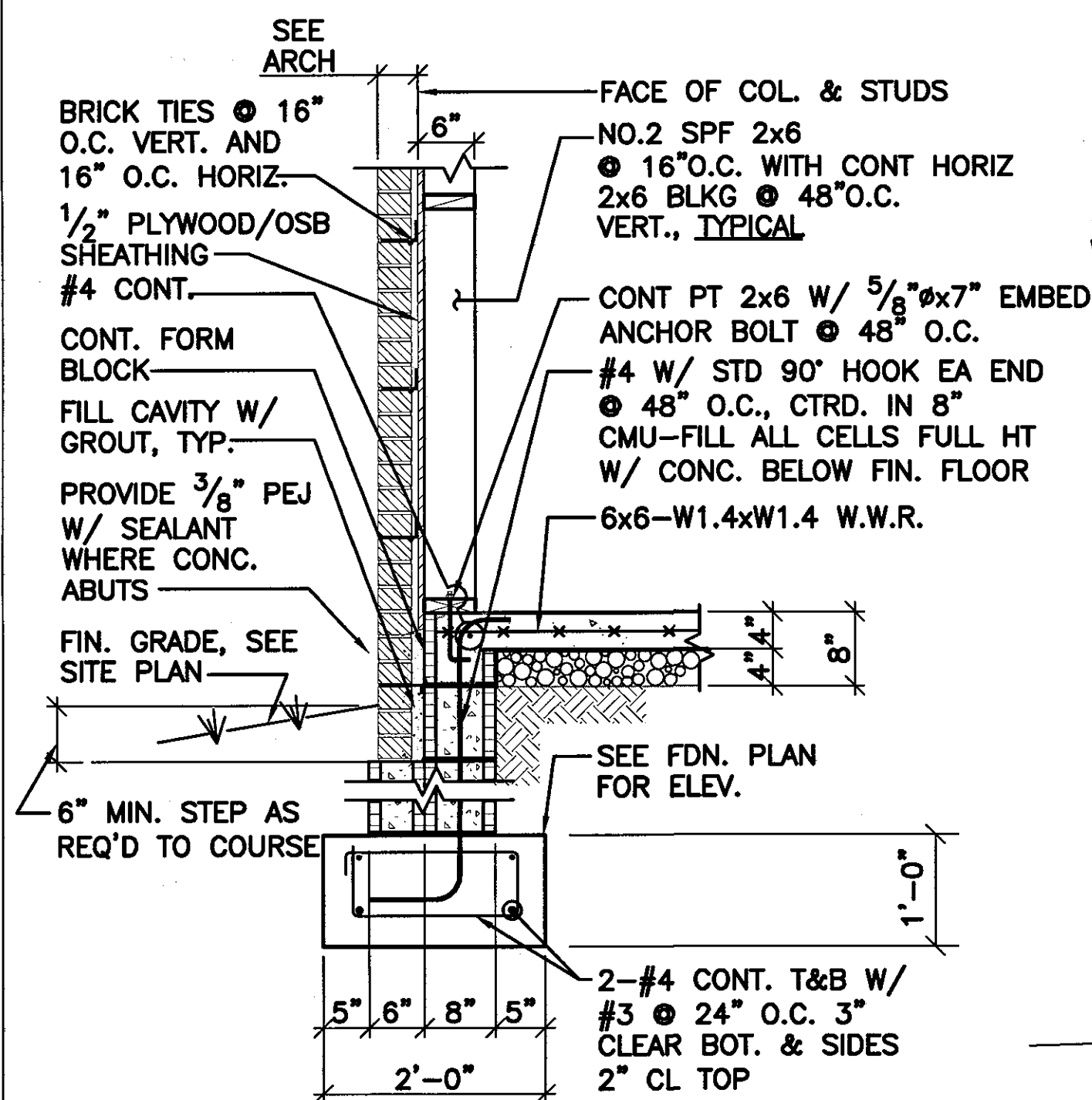
- PREFABRICATED DIMENSIONAL LUMBER TRUSS NOTES:**
1. TOP & BOTTOM CHORDS OF TRUSSES SHALL BE 2x6 MIN.
  2. PROVIDE PANEL POINTS IN TRUSSES @ 6'-0" O.C. MAX. & PANEL POINTS IN HIP JACKS & GIRDER TRUSSES @ 6'-0" O.C. MAX.
  3. COORDINATE ALL TRUSS DIAGRAMS W/ ARCH. DRAWINGS.
  4. COORDINATE TRUSS PANEL POINTS WITH MECHANICAL DUCT WORK. SEE MECHANICAL DUCT WORK.
  5. DESIGN SPECIAL TRUSSES WHERE MECHANICAL DUCT WORK REQUIRES SEPARATION OF TRUSSES (30" O.C. MAX.).
  6. PROVIDE 2x6 BLOCKING @ 24" O.C. MAX. BETWEEN TOP & BOTTOM CHORD OF TRUSSES WHERE TRUSSES ARE SEPARATED.
  7. COORDINATE ALL PLUMBING & HVAC WORK BEFORE BEGINNING WORK. PROVIDE WEIGHTS AND LOCATIONS OF ALL MECHANICAL EQUIPMENT TO TRUSS MANUFACTURER.
  8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION ALL TRUSS PROFILES AND DIMENSIONS WITH ARCHITECTURAL, MECHANICAL, AND OTHER DRAWINGS.
  9. PROVIDE CONTINUOUS 2x6 BLOCKING AT ALL HIPS, RIDGES, VALLEYS, CHANGES IN DECK DIRECTION, AND ALL OTHER UNSUPPORTED DECK EDGE CONDITIONS BETWEEN TRUSSES OR OTHER FRAMING WITH 2-10d EACH END, TYPICAL.



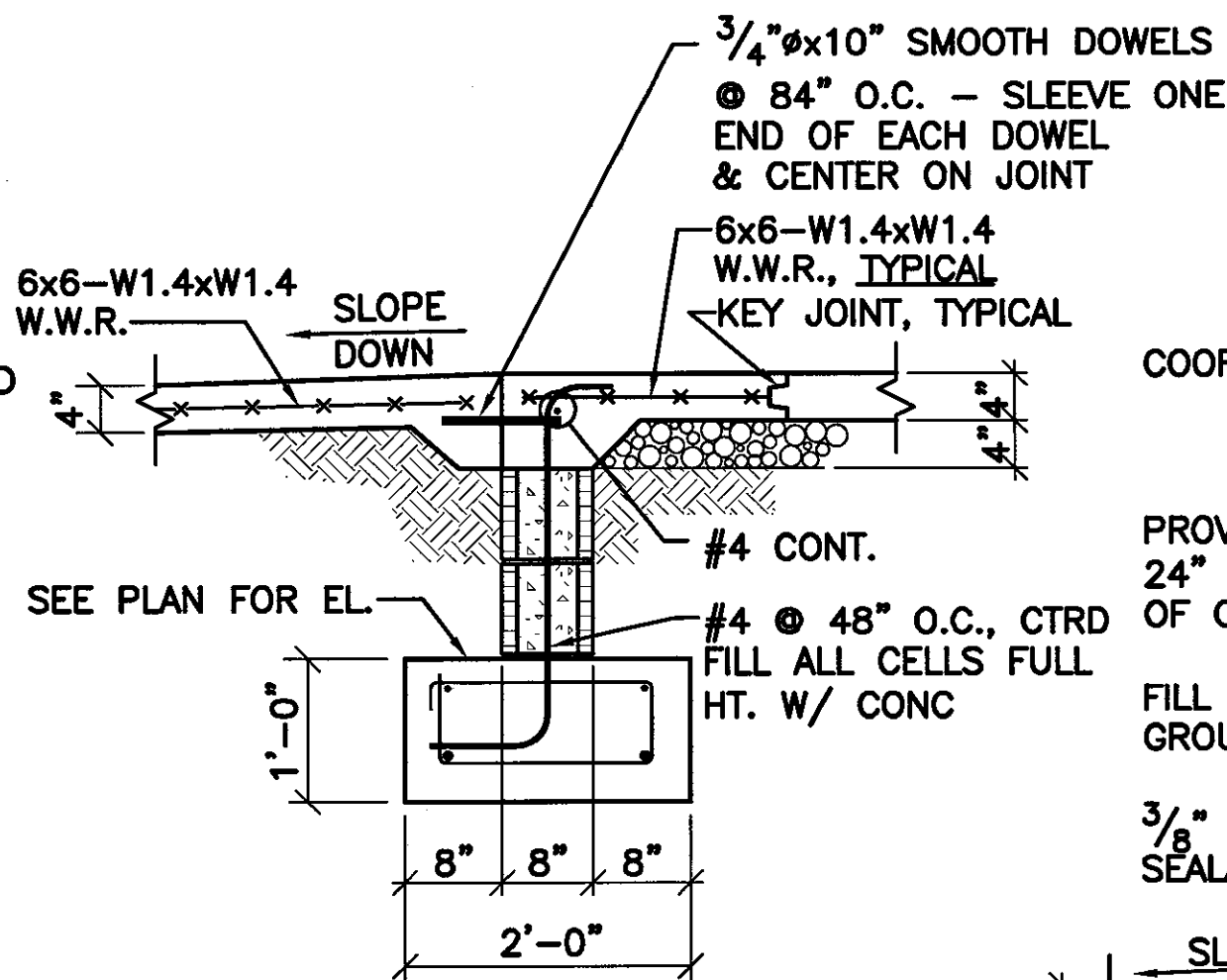
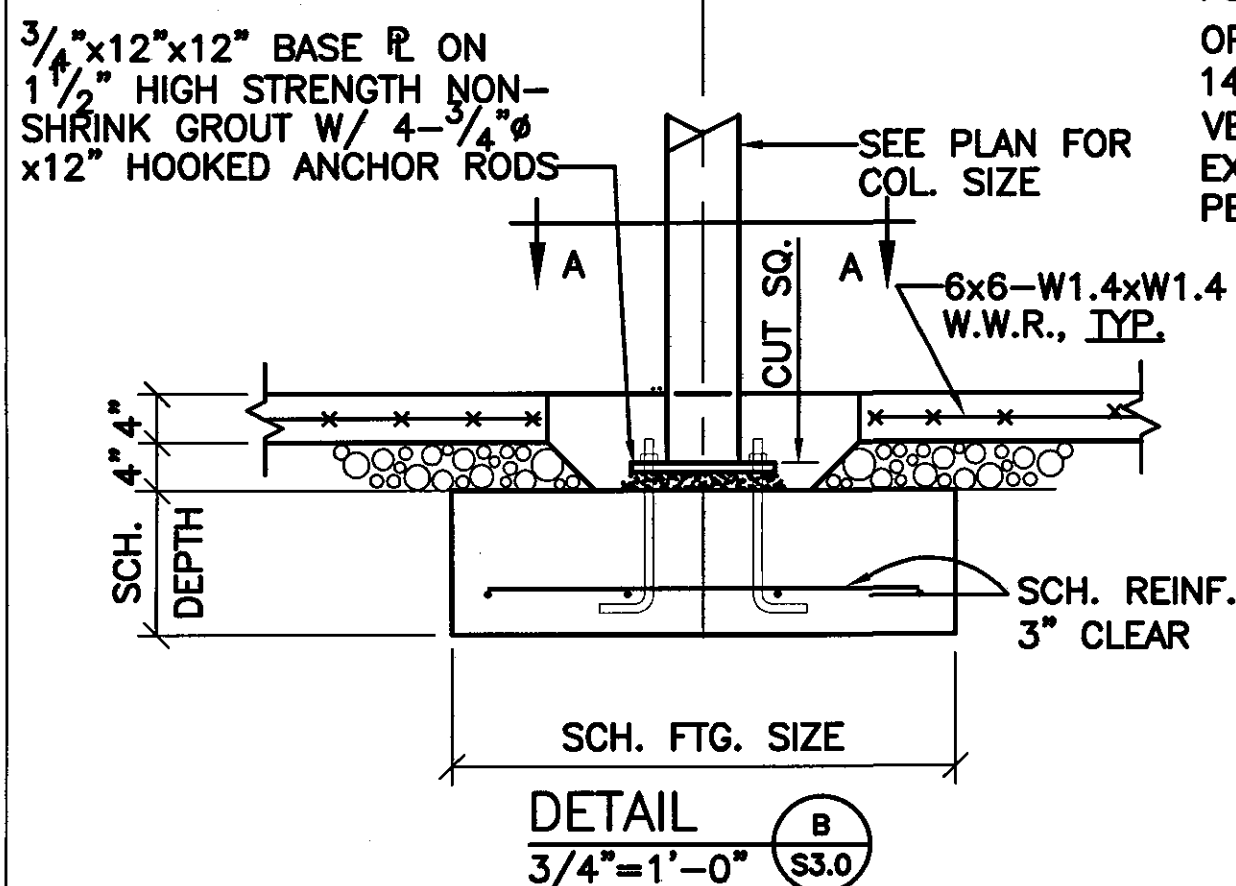
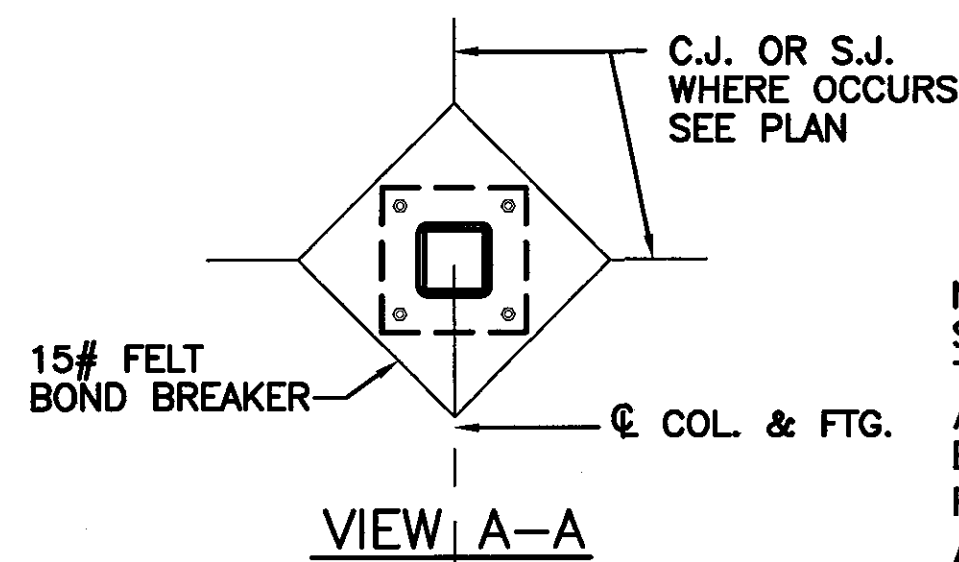
**TYPICAL 'X'-BRACING DETAIL**  
THIS BRACING IS IN ADDITION  
TO BRACING SHOWN BY TRUSS  
MANUFACTURER



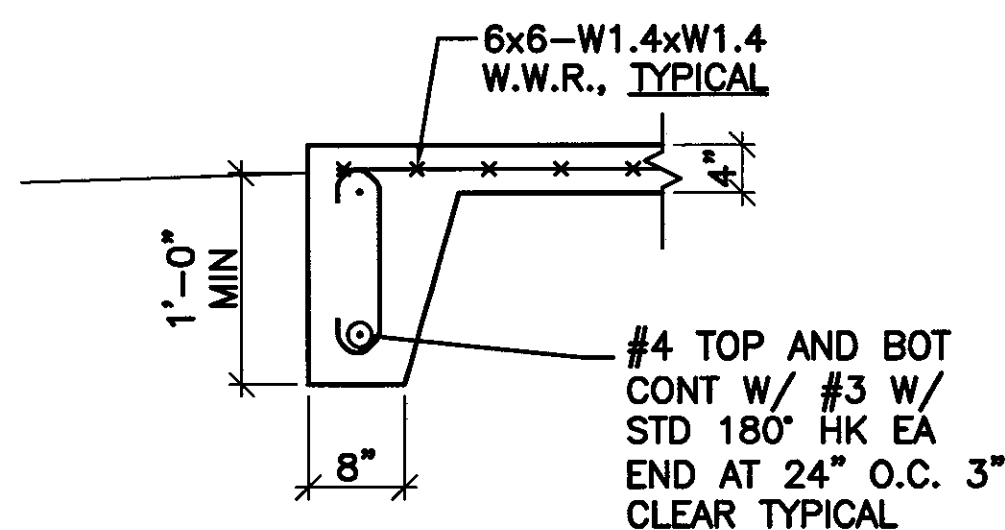
AUBURN STRUCTURAL  
DESIGN, INC.  
ROY H. MAYO, JR., P.E.  
2008 JANABROOKE LANE  
AUBURN, AL 36830  
(334) 826-8040  
engineer@austructure.com/  
www.austructure.com



SECTION 1  
3/4"=1'-0" S3.0

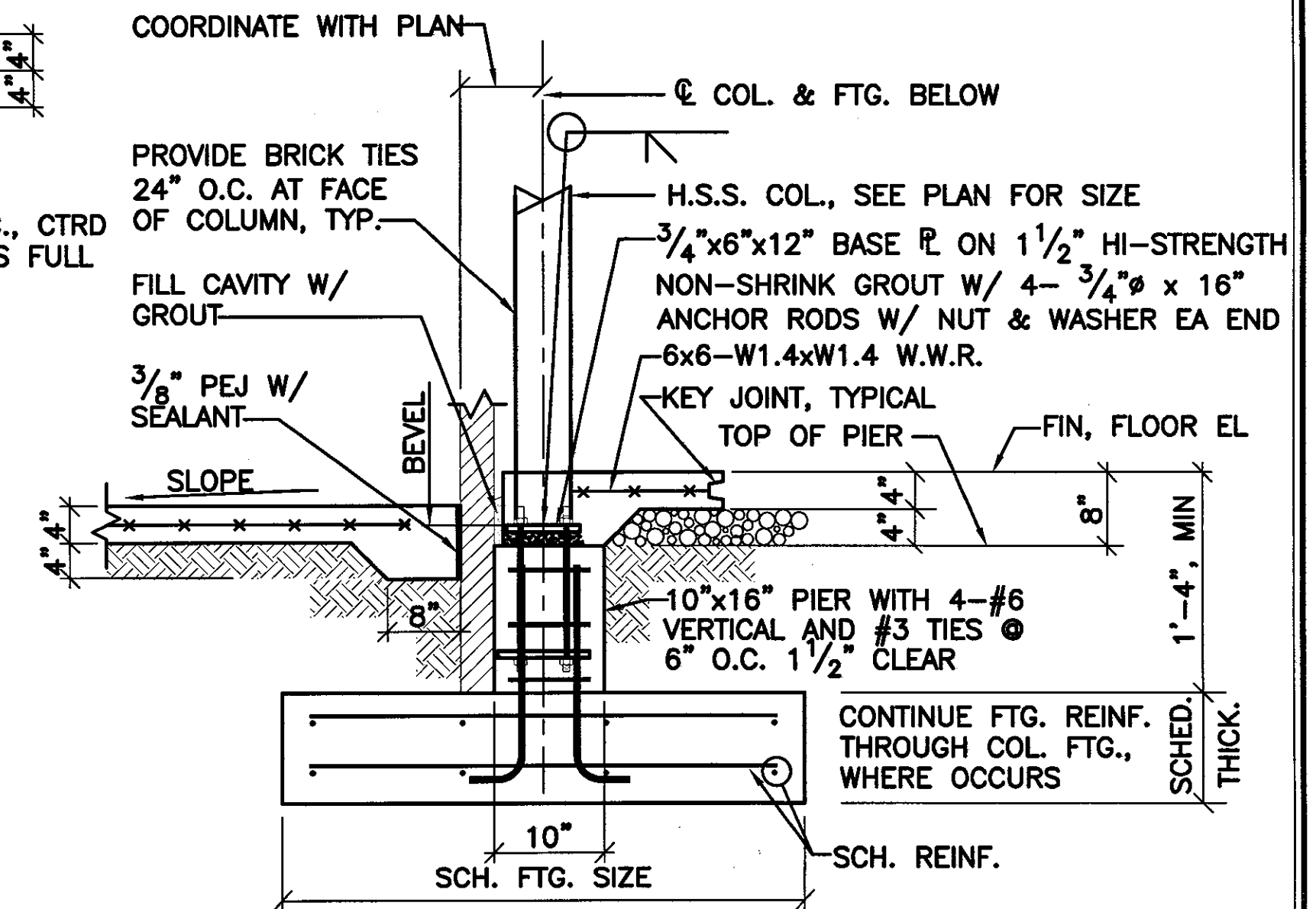
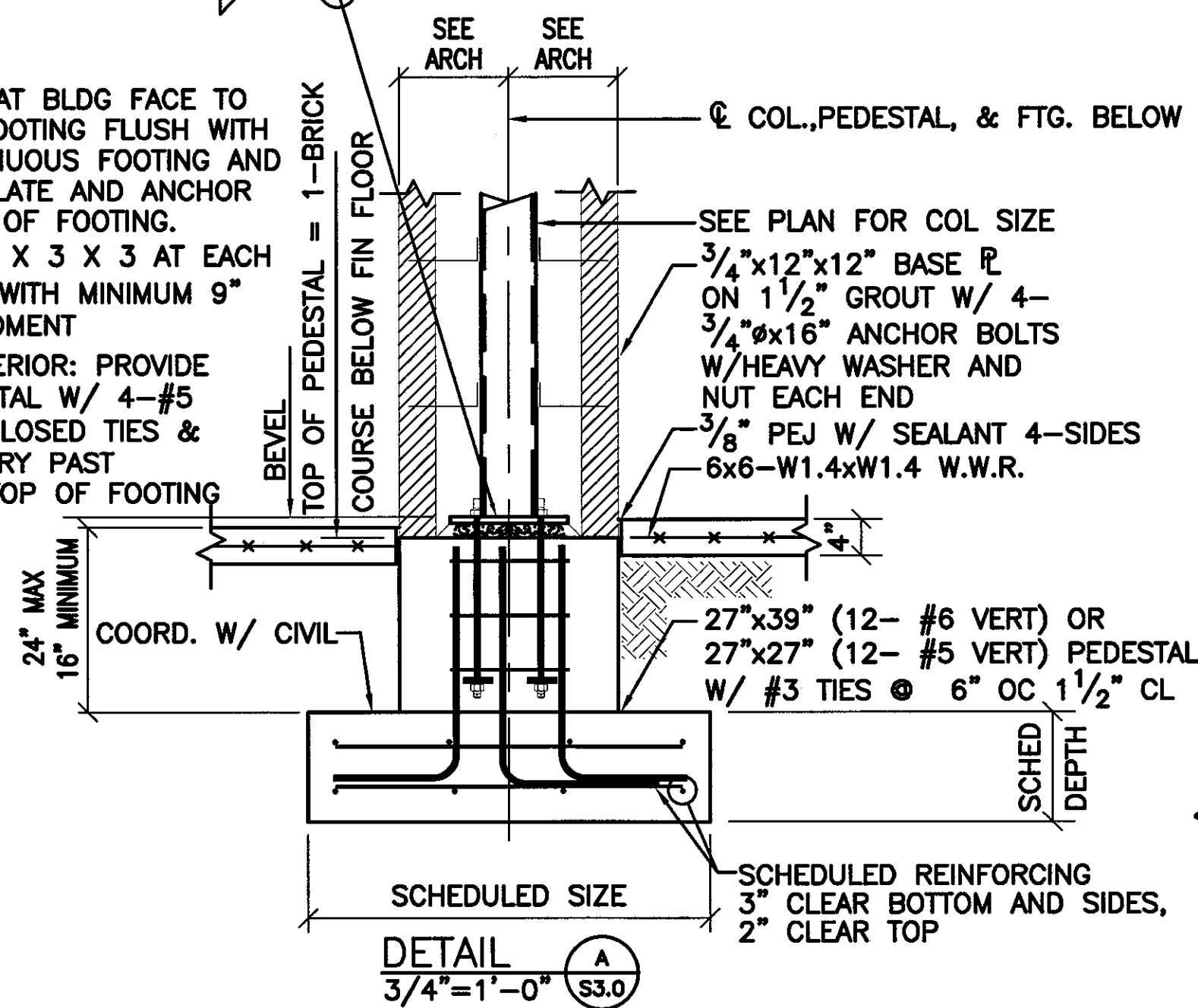


SECTION 2  
3/4"=1'-0" S3.0



SECTION 3  
3/4"=1'-0" S3.0

NOTE: OPTION AT BLDG FACE TO SET TOP OF FOOTING FLUSH WITH TYPICAL CONTINUOUS FOOTING AND APPLY BASE PLATE AND ANCHOR BOLTS AT TOP OF FOOTING. PROVIDE 1/4" X 3 X 3 AT EACH ANCHOR BOLT WITH MINIMUM 9" FOOTING EMBEDMENT. OPTION @ EXTERIOR: PROVIDE 14"x14" PEDESTAL W/ 4-#5 VERT W/ #3 CLOSED TIES & EXTEND MASONRY PAST PEDESTAL TO TOP OF FOOTING.



DETAIL A  
3/4"=1'-0" S3.0

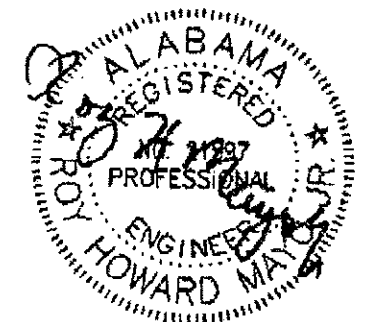
NOTE: OPTION AT BLDG FACE TO SET TOP OF FOOTING FLUSH WITH TYPICAL CONTINUOUS FOOTING AND APPLY BASE PLATE AND ANCHOR BOLTS AT TOP OF FOOTING. PROVIDE 1/4" X 3 X 3 AT EACH ANCHOR BOLT WITH MINIMUM 9" FOOTING EMBEDMENT. OPTION @ EXTERIOR: PROVIDE 14"x14" PEDESTAL W/ 4-#5 VERT W/ #3 CLOSED TIES & EXTEND MASONRY PAST PEDESTAL TO TOP OF FOOTING.

**AUBURN STRUCTURAL DESIGN, INC.**

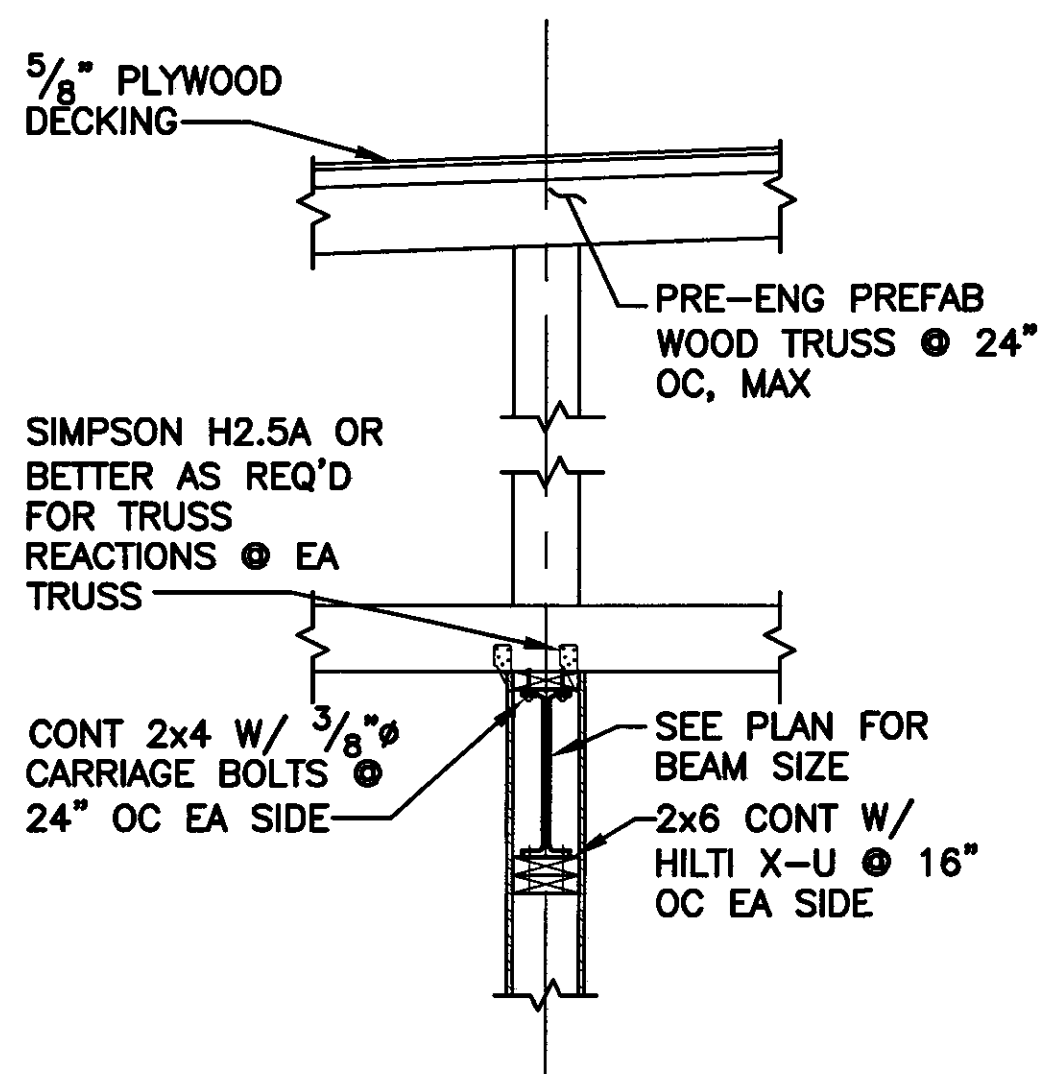
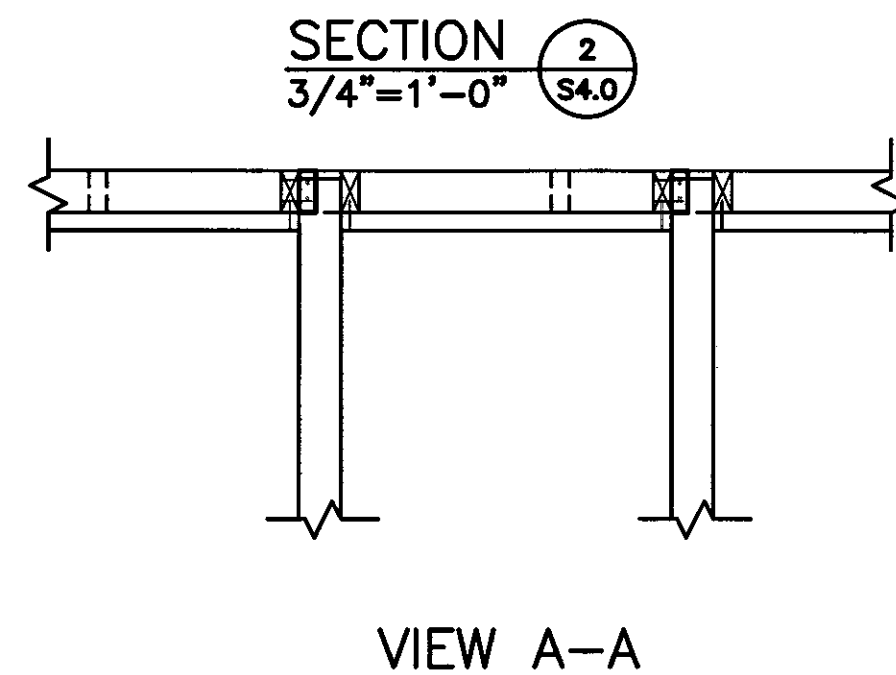
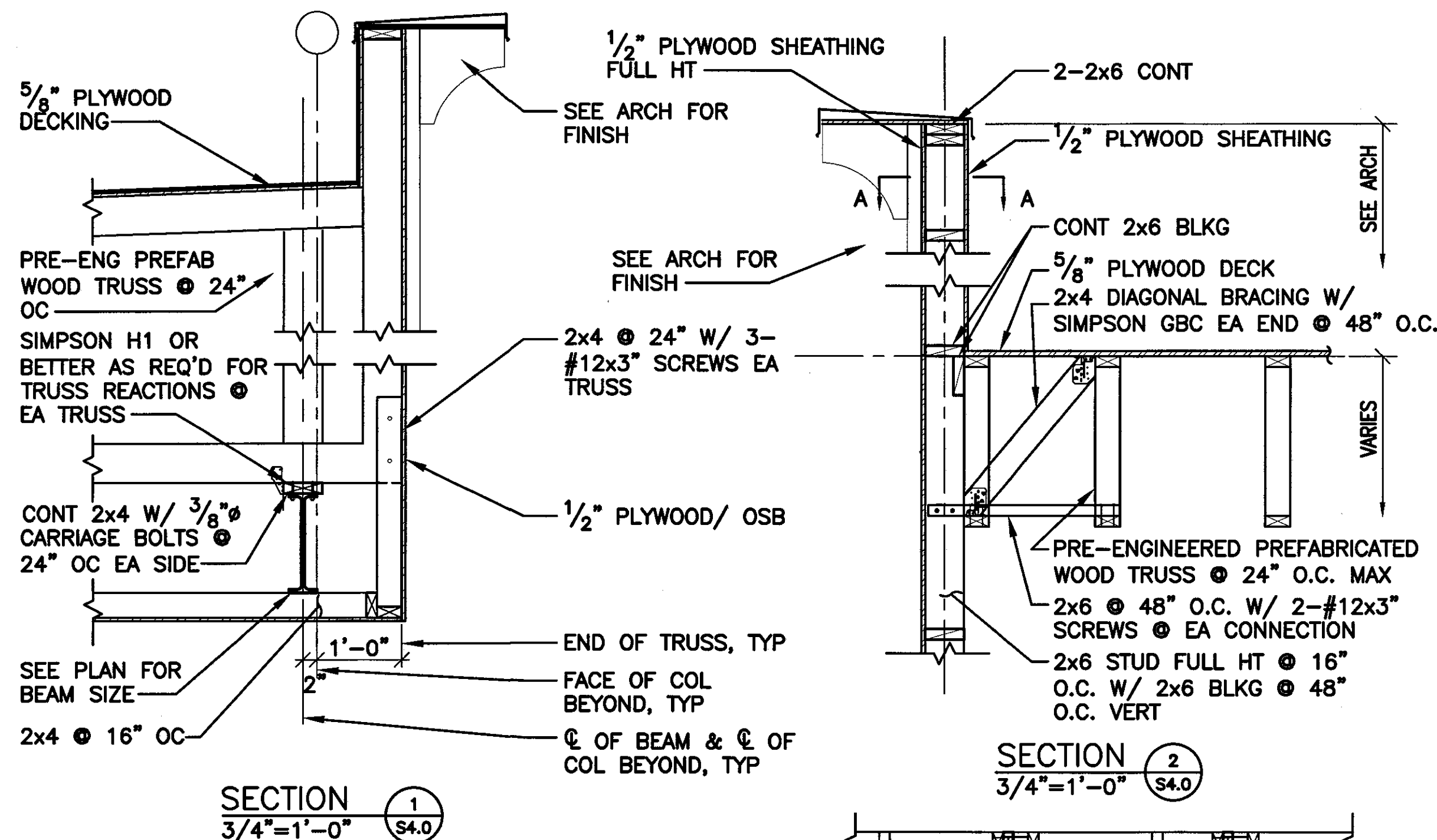
**ROY H. MAYO, JR. P.E.**

2008 JANABROOKE LANE  
AUBURN, AL 36830  
(334) 826-8040  
engineer@austructure.com/  
www.austructure.com

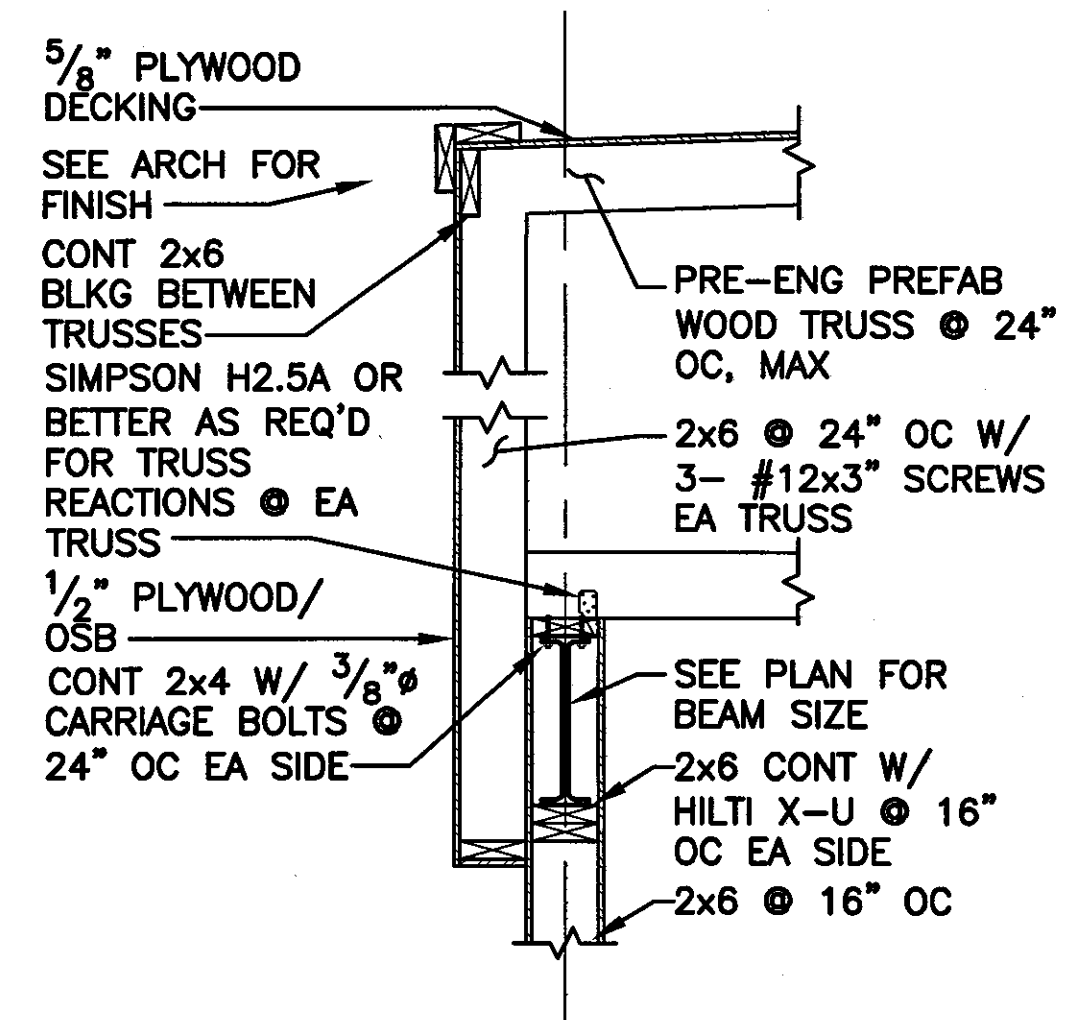
ROMANS 8:23  
"For the wages of sin is death, but the gift of God is eternal life in Christ Jesus our Lord."



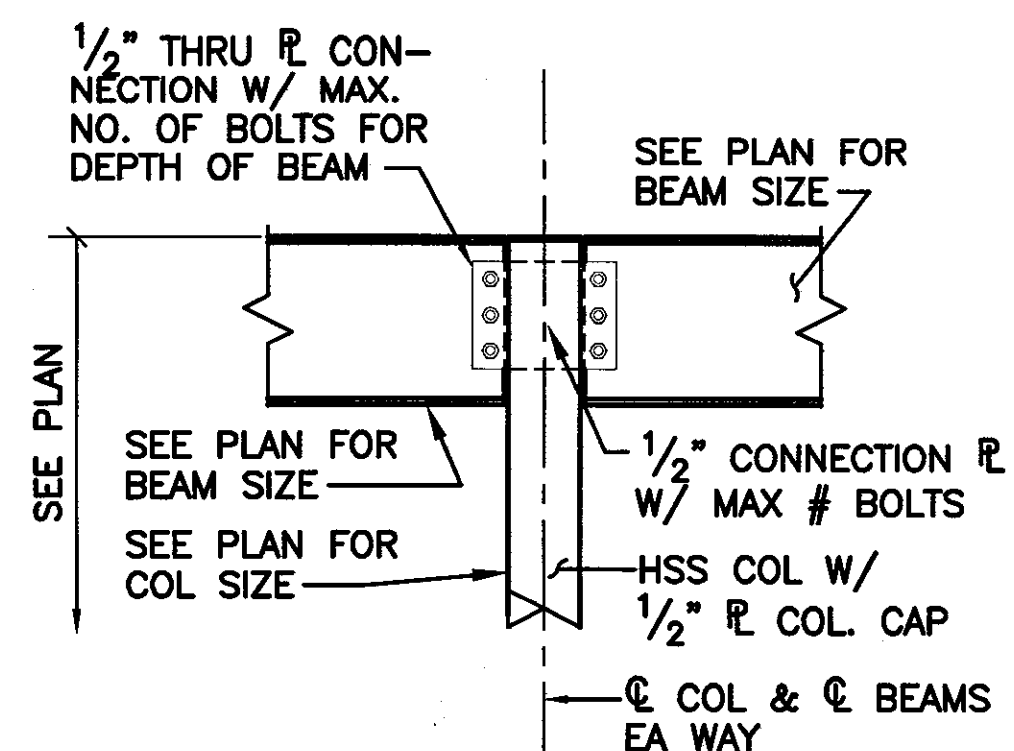




SECTION 4  
3/4"=1'-0" S4.0



SECTION 3  
3/4"=1'-0" S4.0



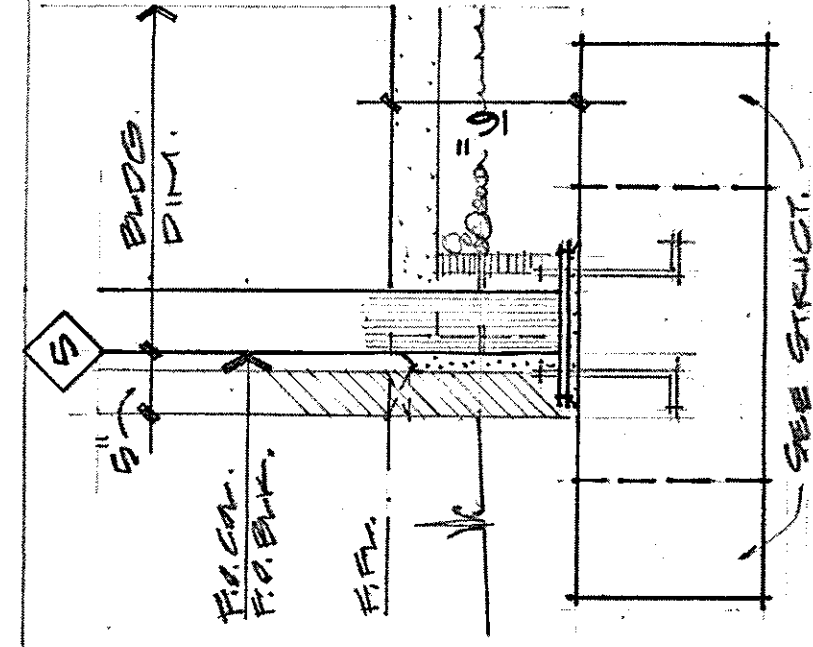
DETAIL A  
3/4"=1'-0" S4.0

AUBURN STRUCTURAL DESIGN, INC.

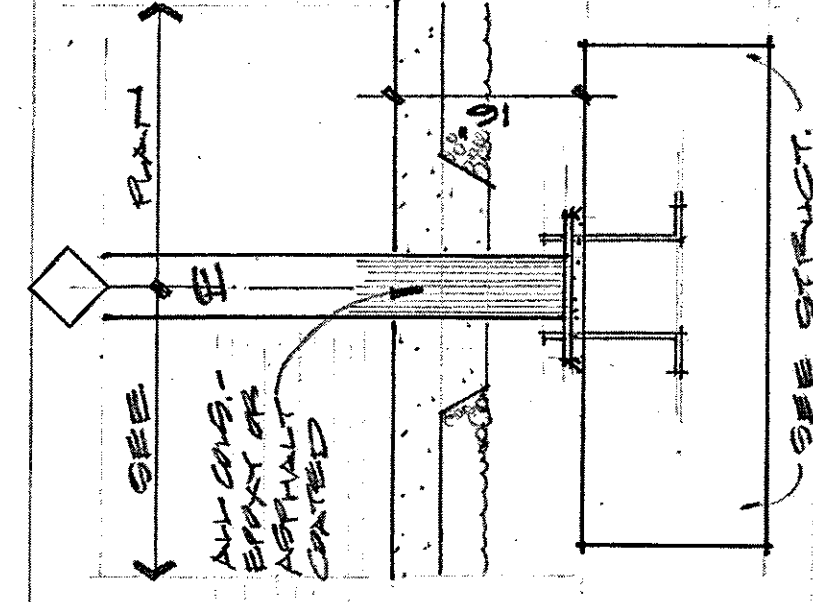
ROY H. MAYO, JR. P.E.

2008 JANABROOKE LANE  
AUBURN, AL 36830  
(334) 826-8040  
engineer@austructure.com/  
www.austructure.com

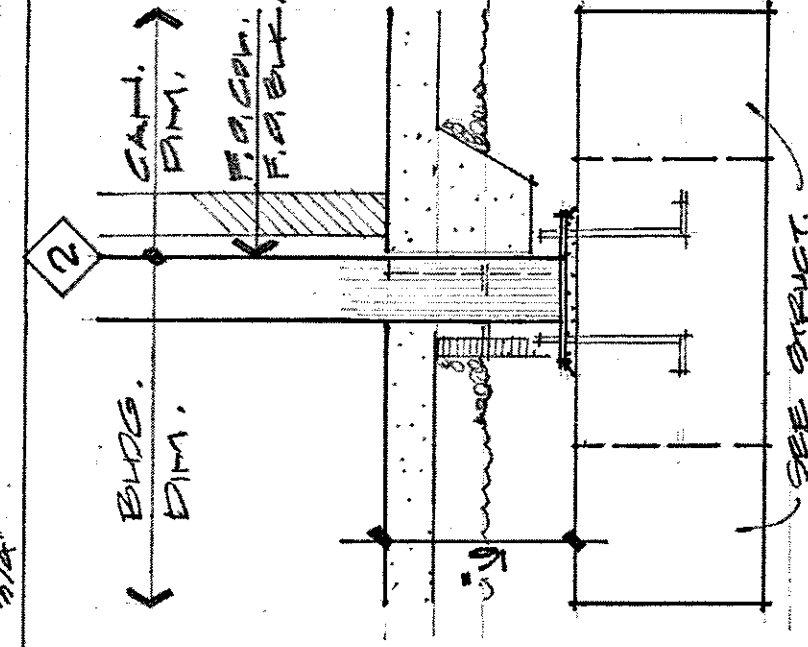




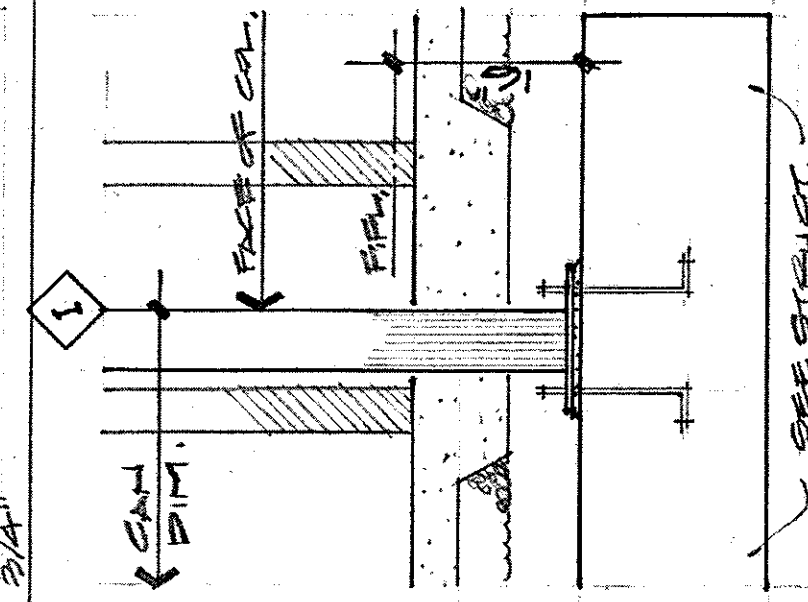
REAR WALL (SIDE)  
3/4"



REAR WALL (INTERIOR)  
3/4"



FRONT WALL  
3/4" SHOWN CROSS SECTION



FRONT WALL (INTERIOR)  
3/4" 1/8" 1/4"