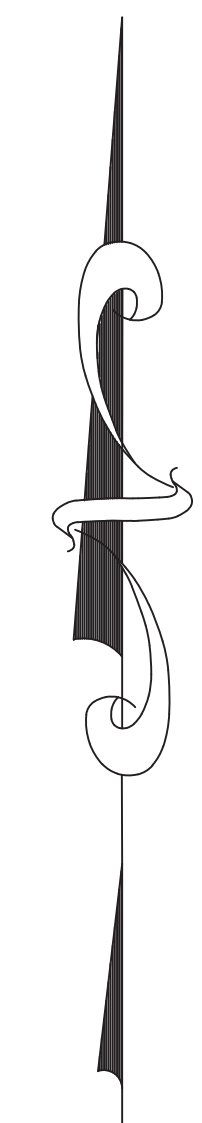
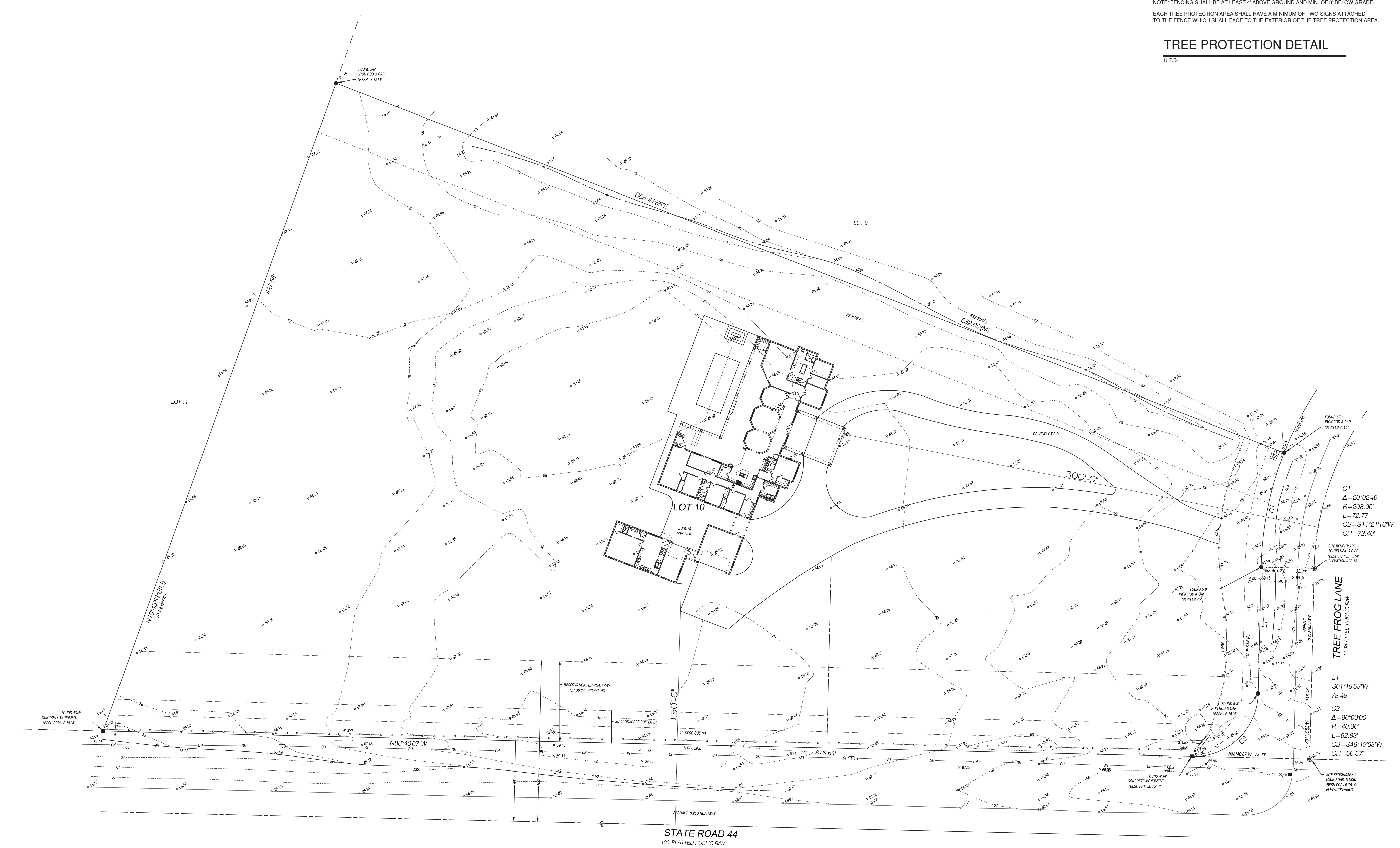


NOTE: FENCING SHALL BE AT LEAST 4' ABOVE GROUND AND MIN. OF 3' BELOW GRADE. EACH TREE PROTECTION AREA SHALL HAVE A MINIMUM OF TWO SIGNS ATTACHED TO THE FENCE WHICH SHALL FACE TO THE EXTERIOR OF THE TREE PROTECTION AREA.

TREE PROTECTION DETAIL
N.T.S.



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CUSTOM DESIGN FOR THE:
ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

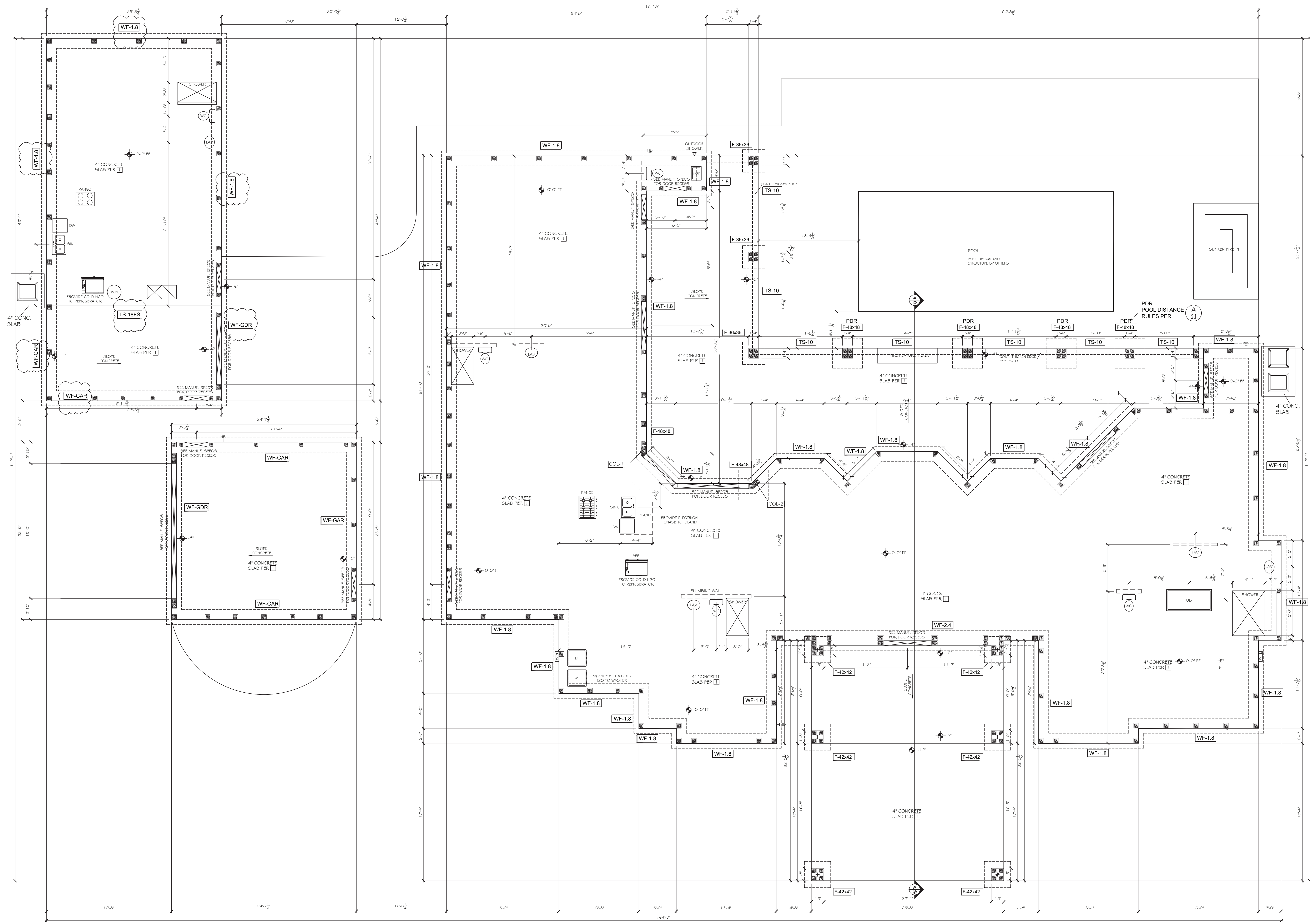
| | |
|------------|--------------|
| DATE: | SCALE: NOTED |
| DRAWN: EML | JOB: |
| SHEET 1 | SHEETS |

LEGAL DESCRIPTION:
PER LAKE COUNTY PROPERTY APPRAISER
WANDERING PONDS PB 62 PG 56-61 LOT 10 ORB 5407 PG2447

SITE PLAN
SCALE: 1" = 30.0'

| REVISIONS | BY |
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lucia@luciadesigns.com
TEL: 407-422-3497



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

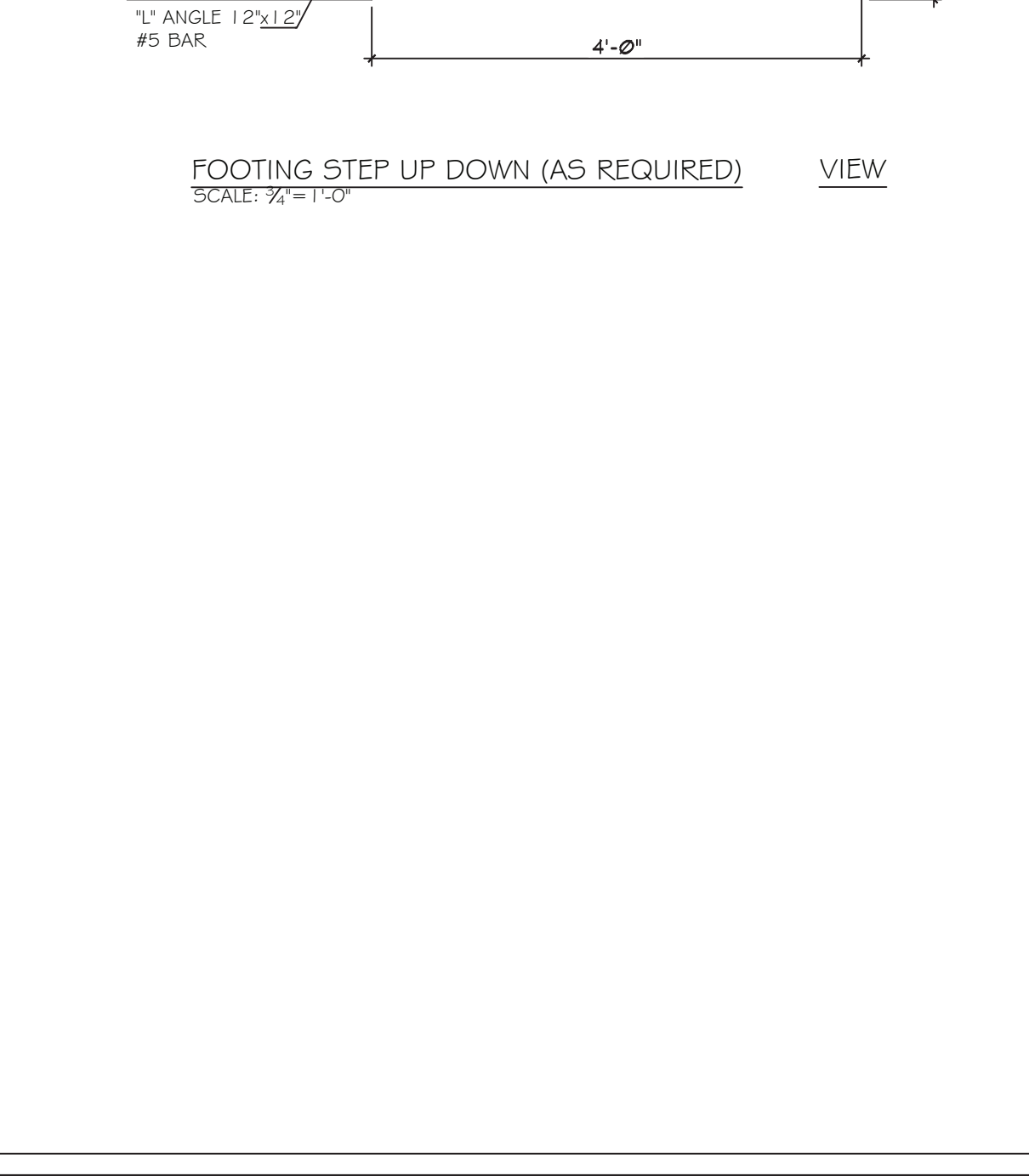
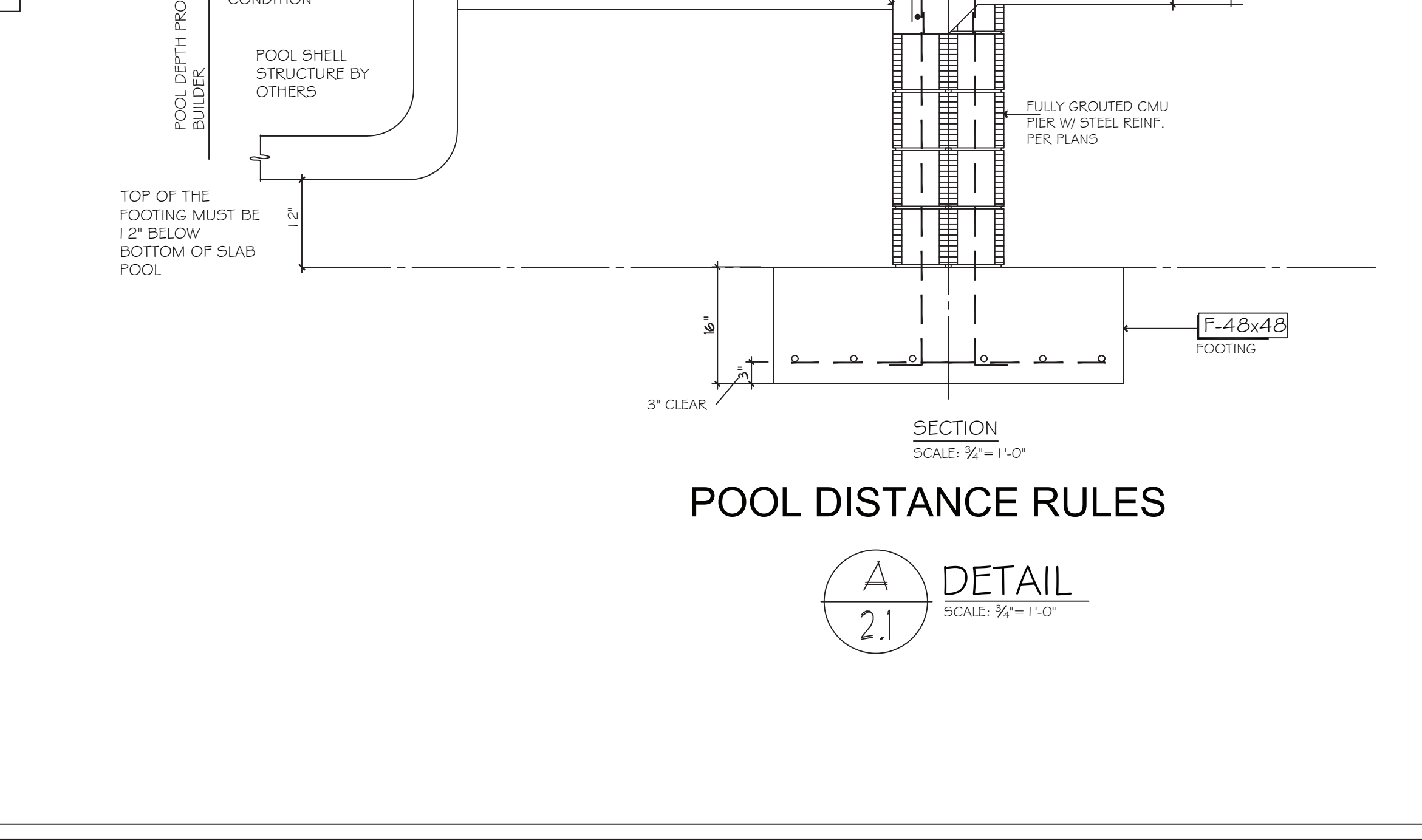
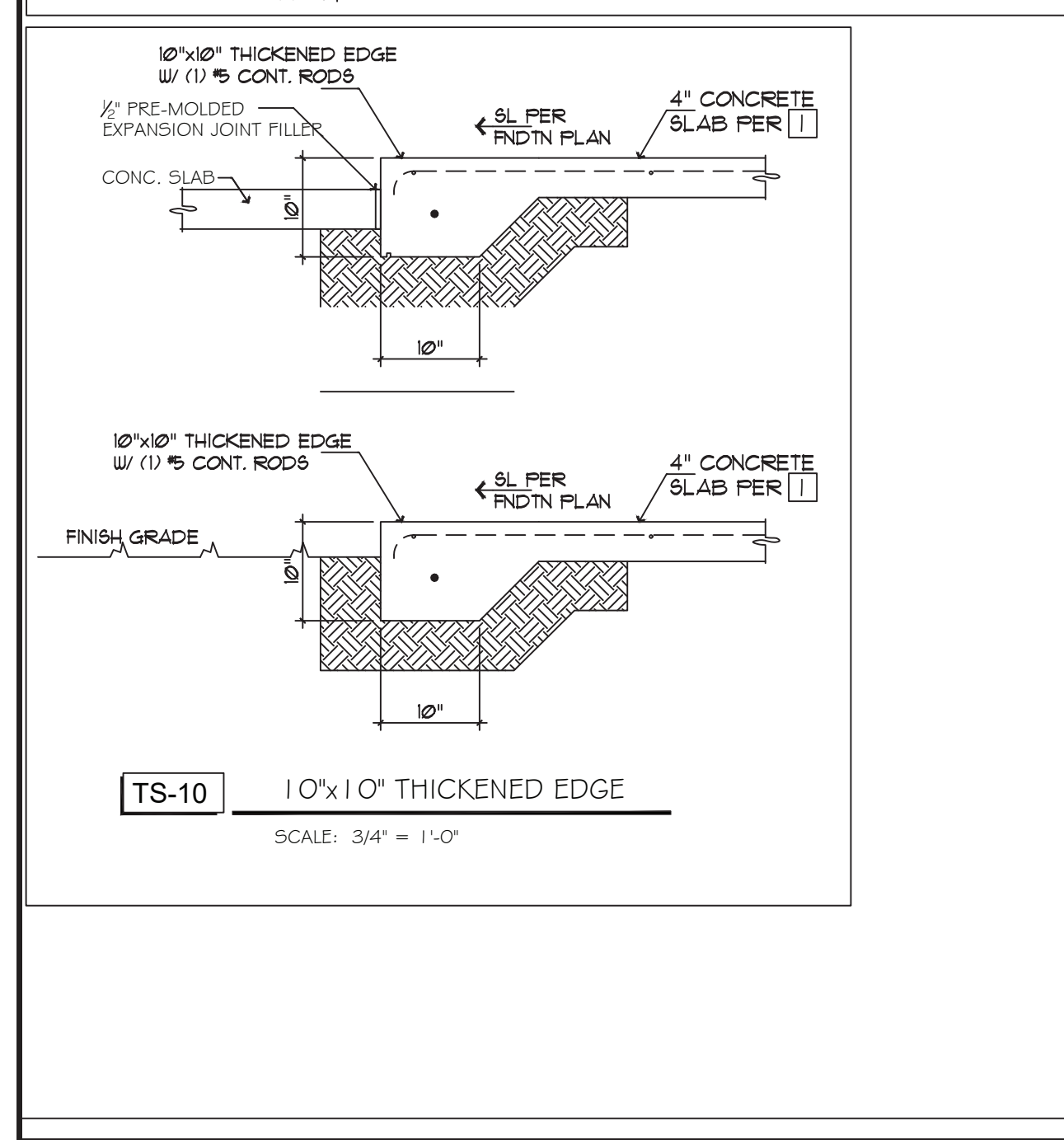
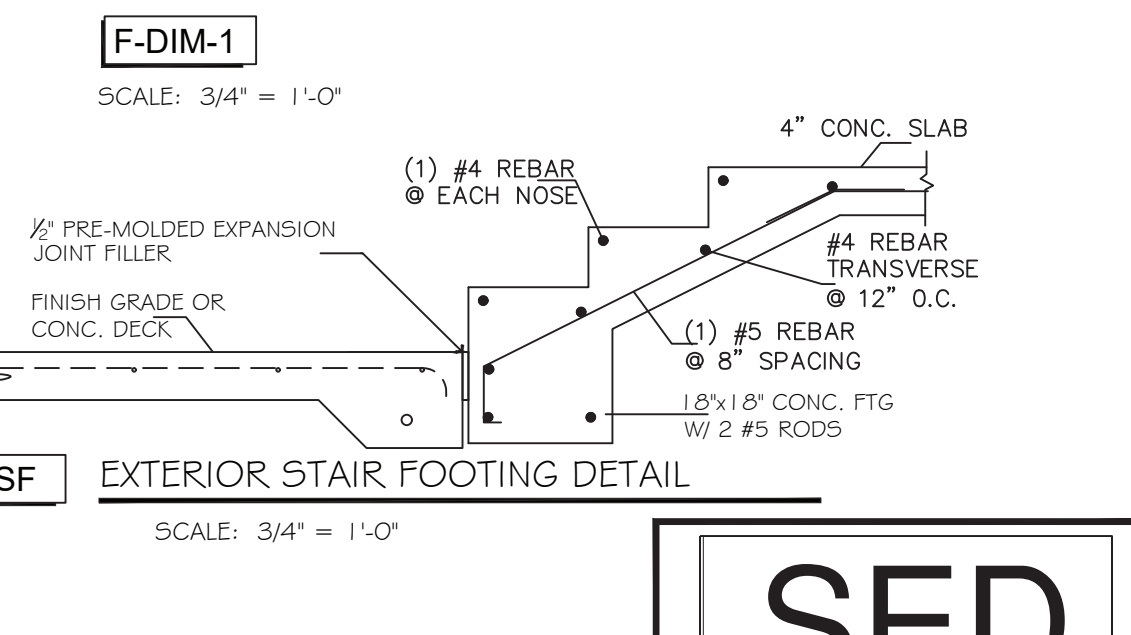
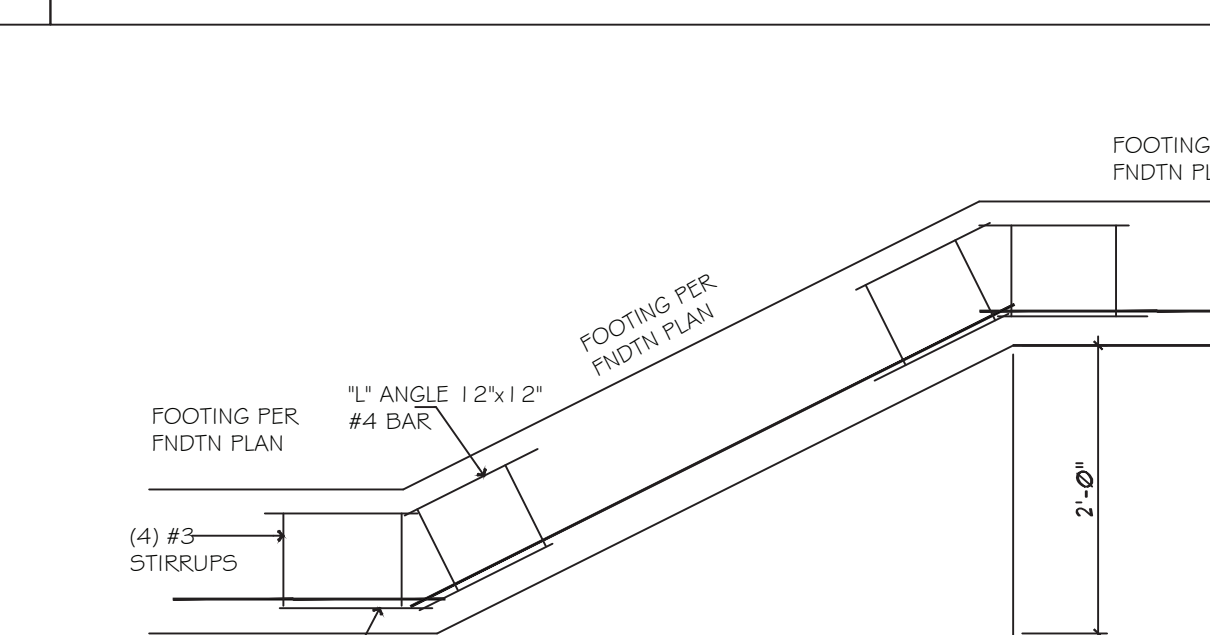
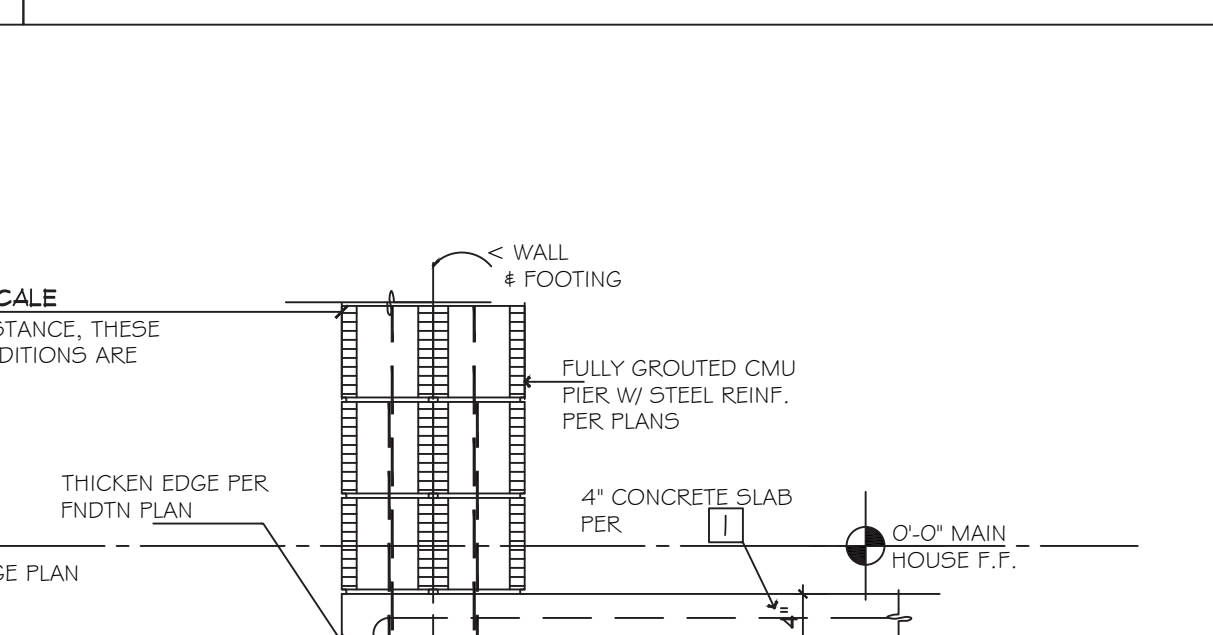
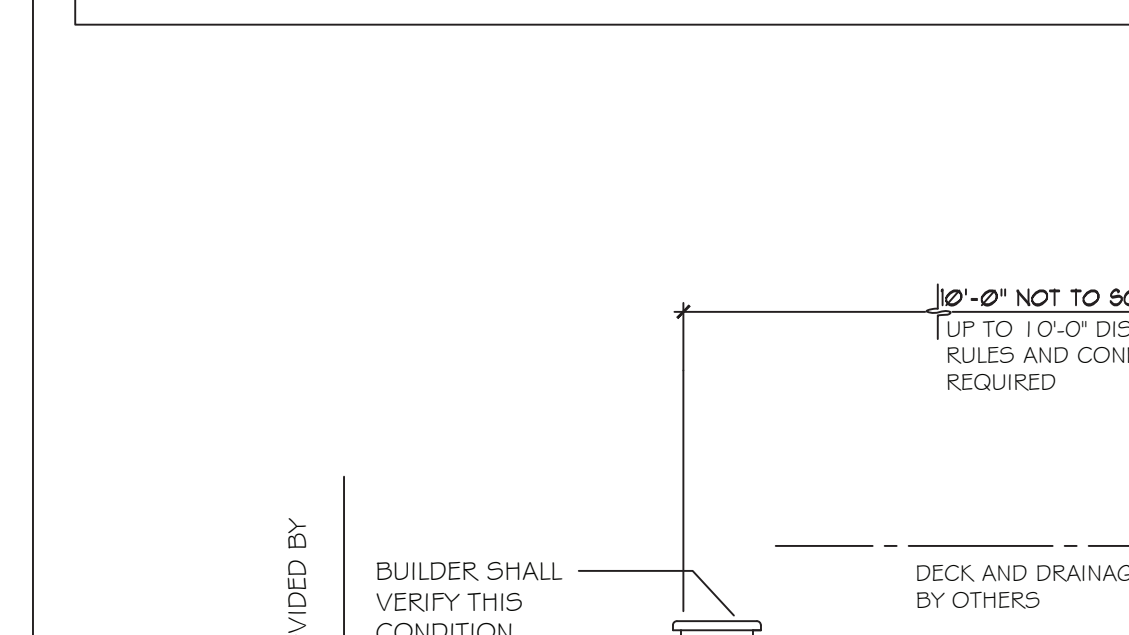
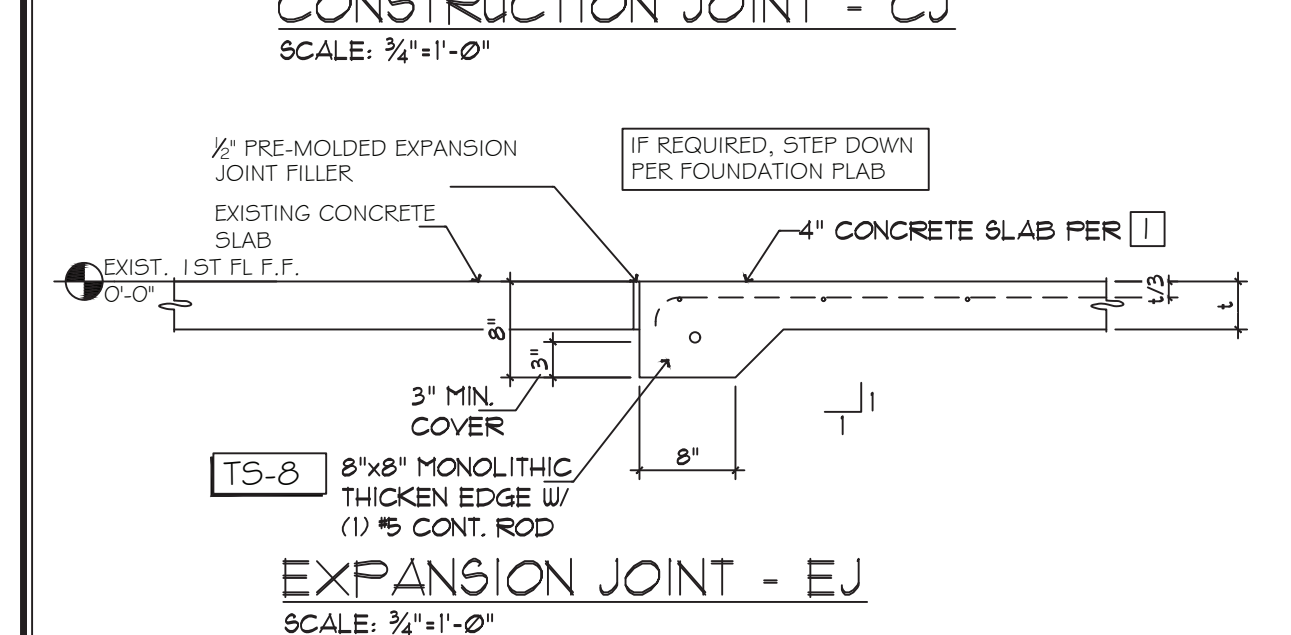
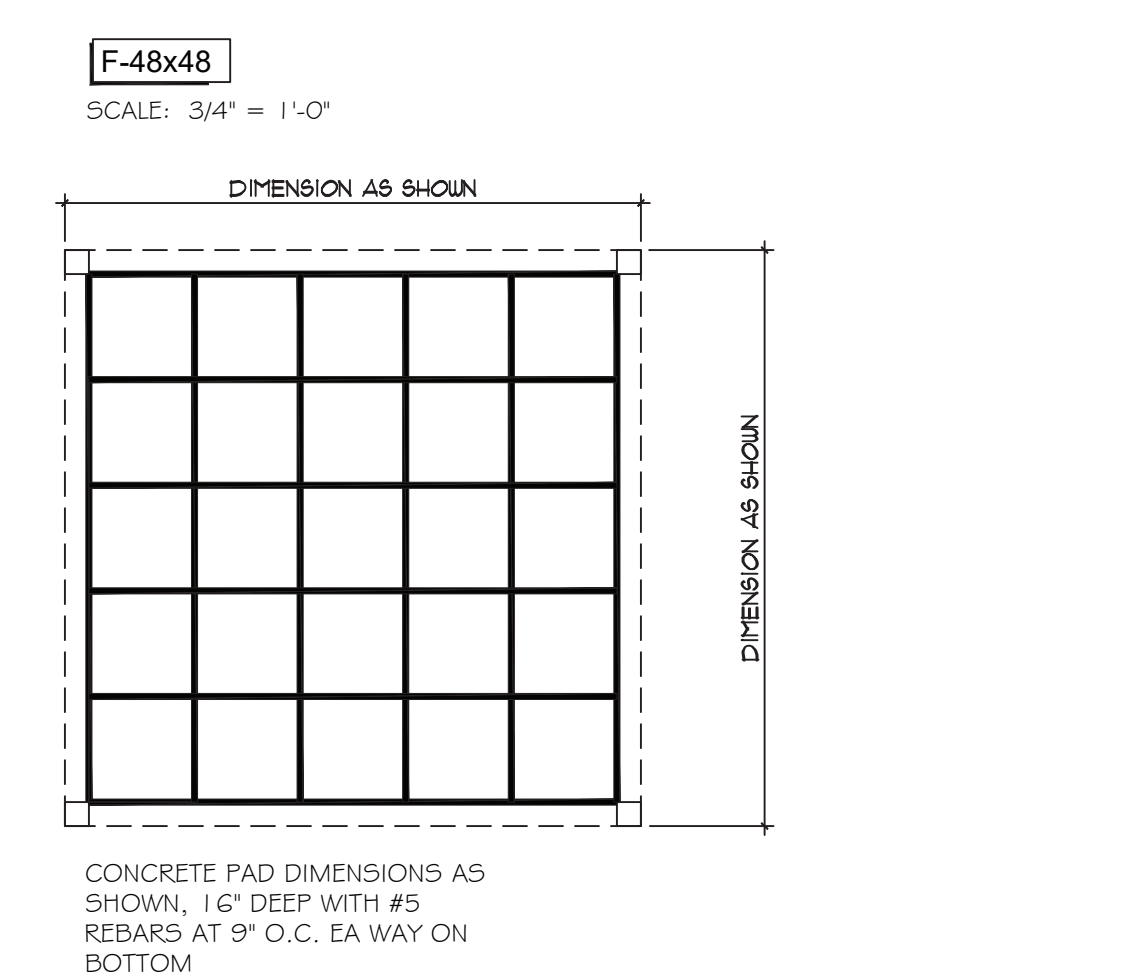
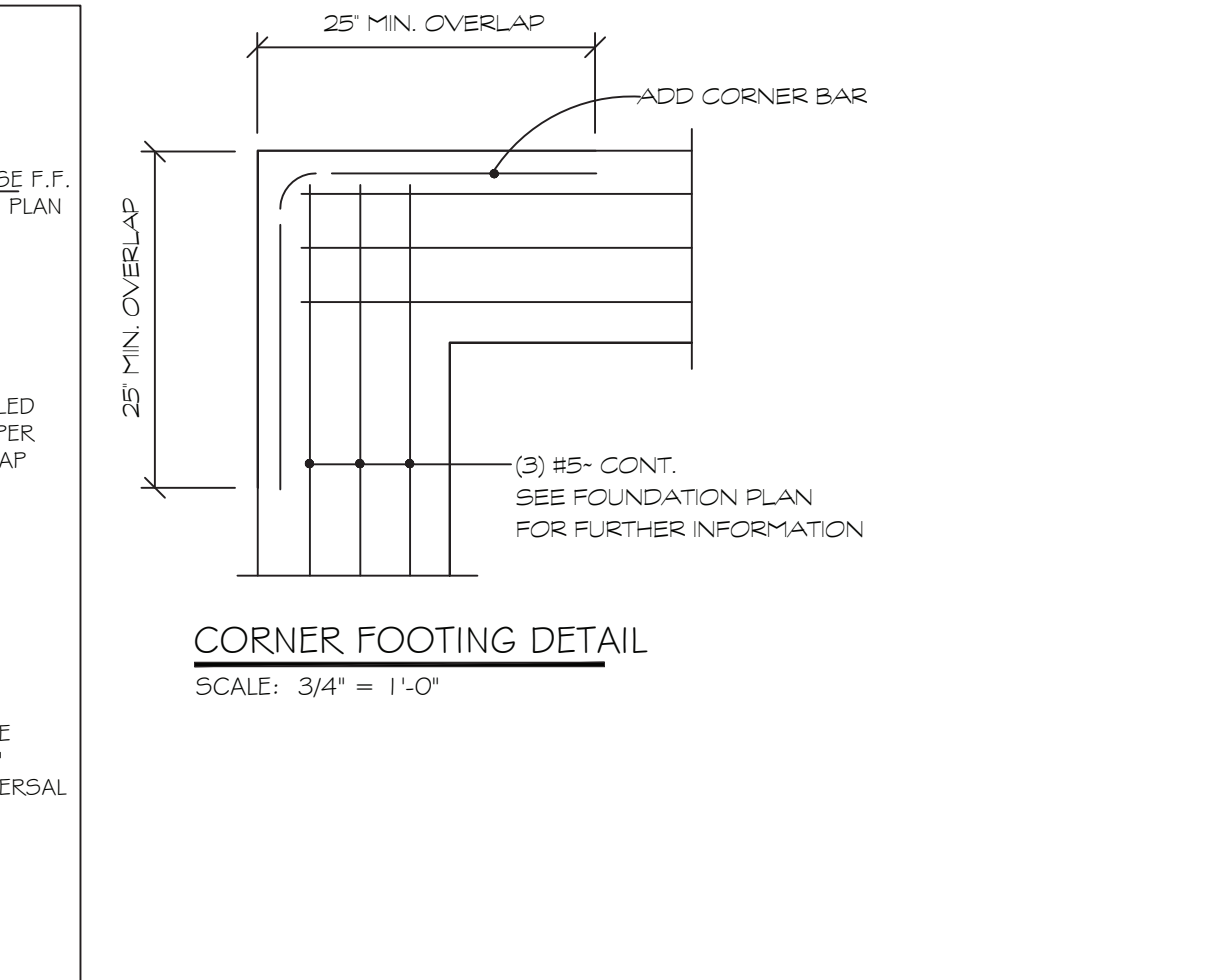
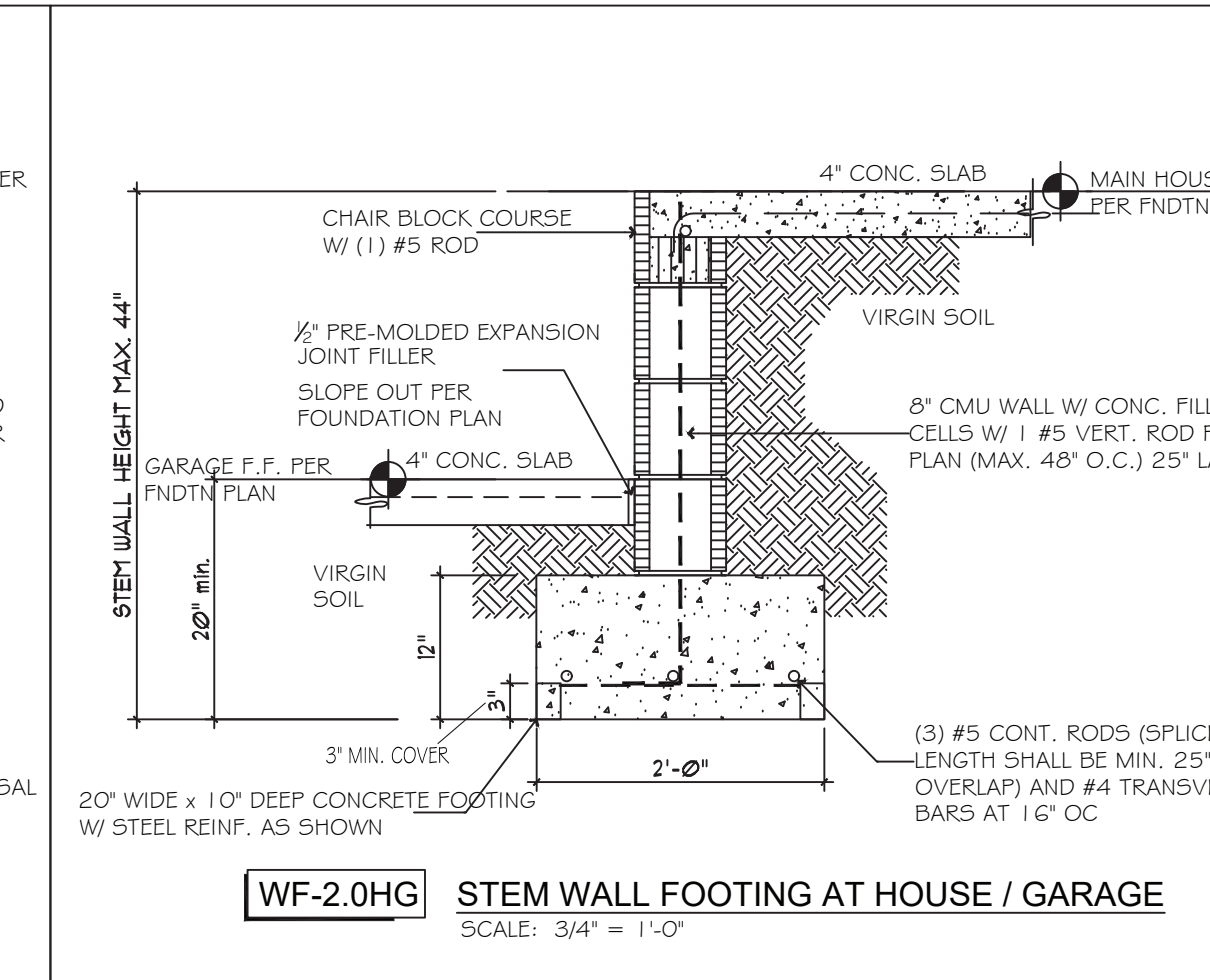
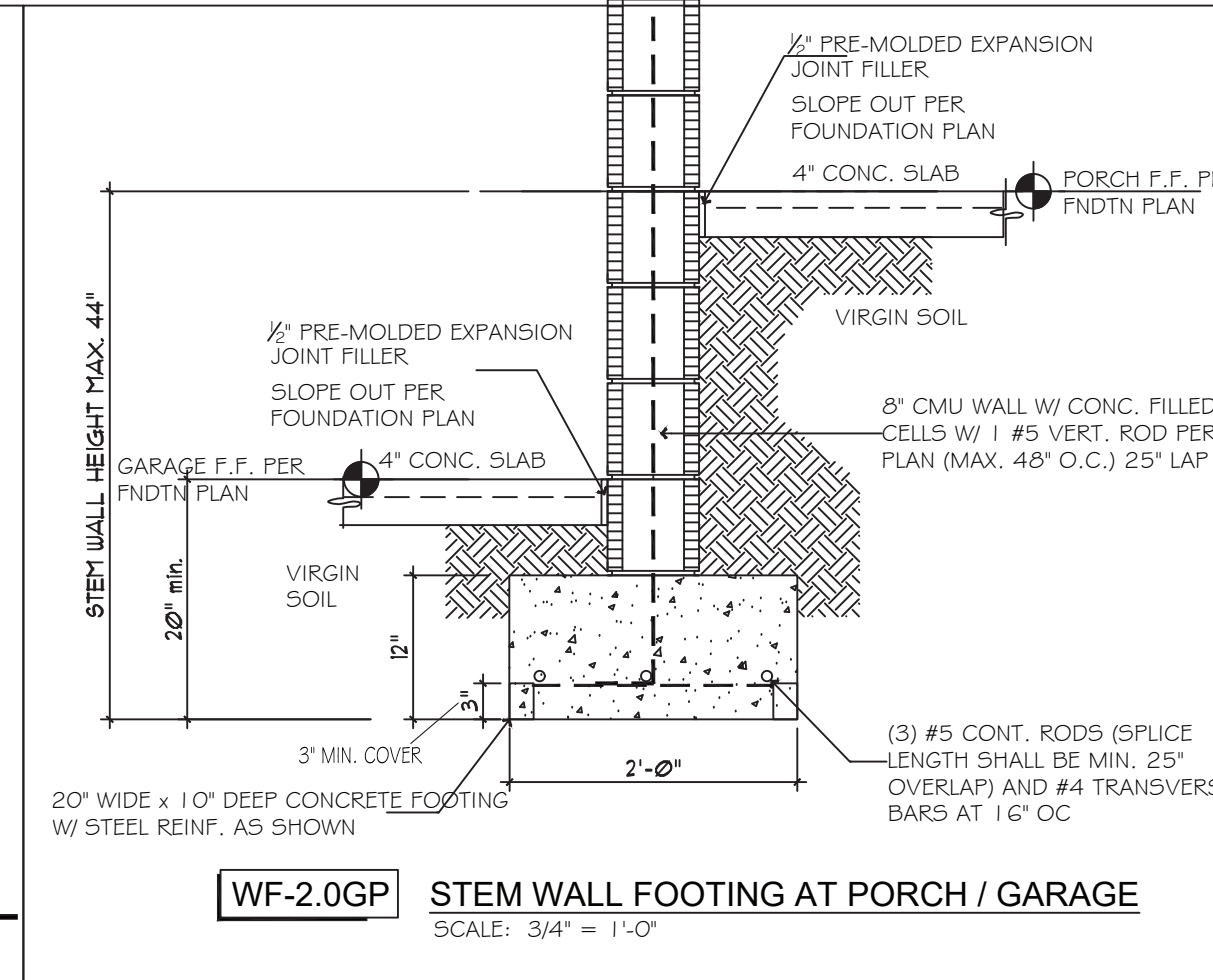
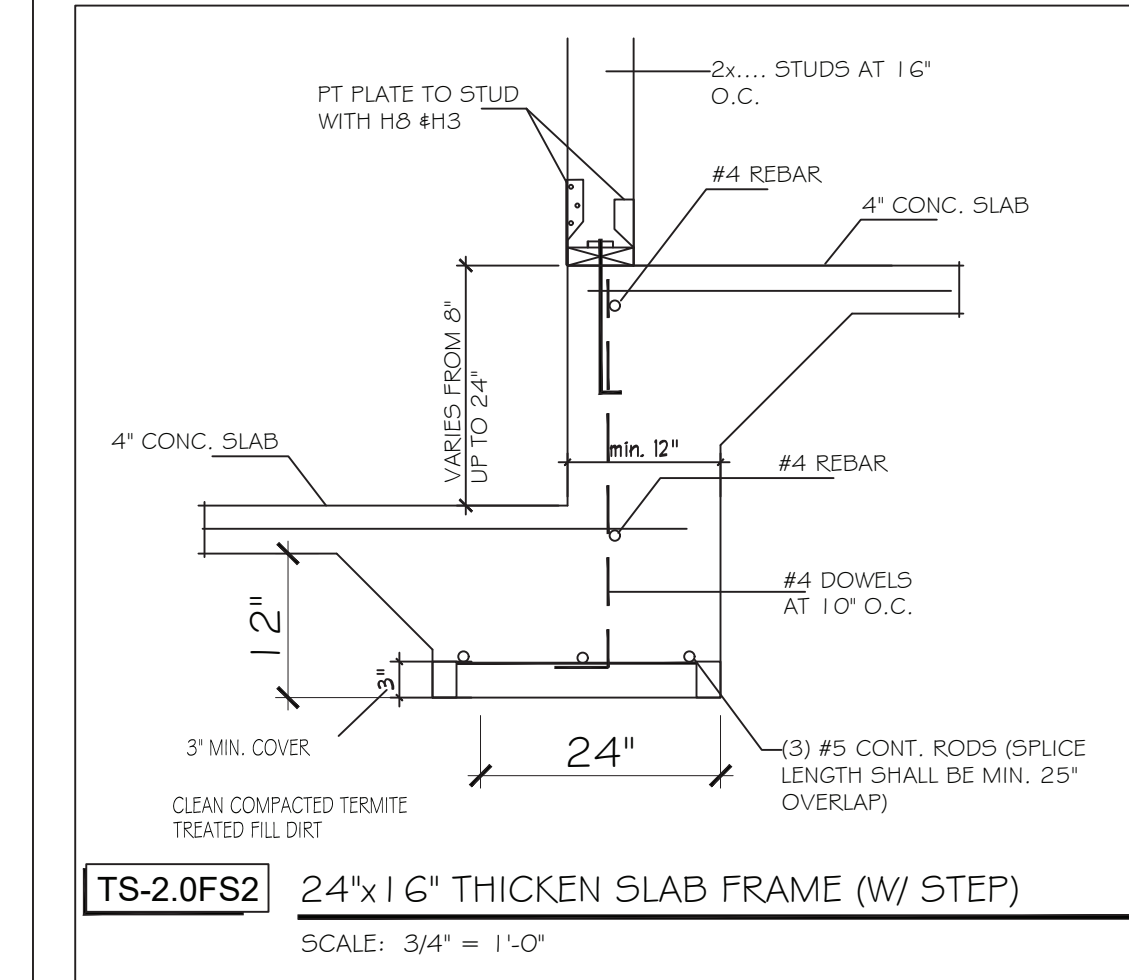
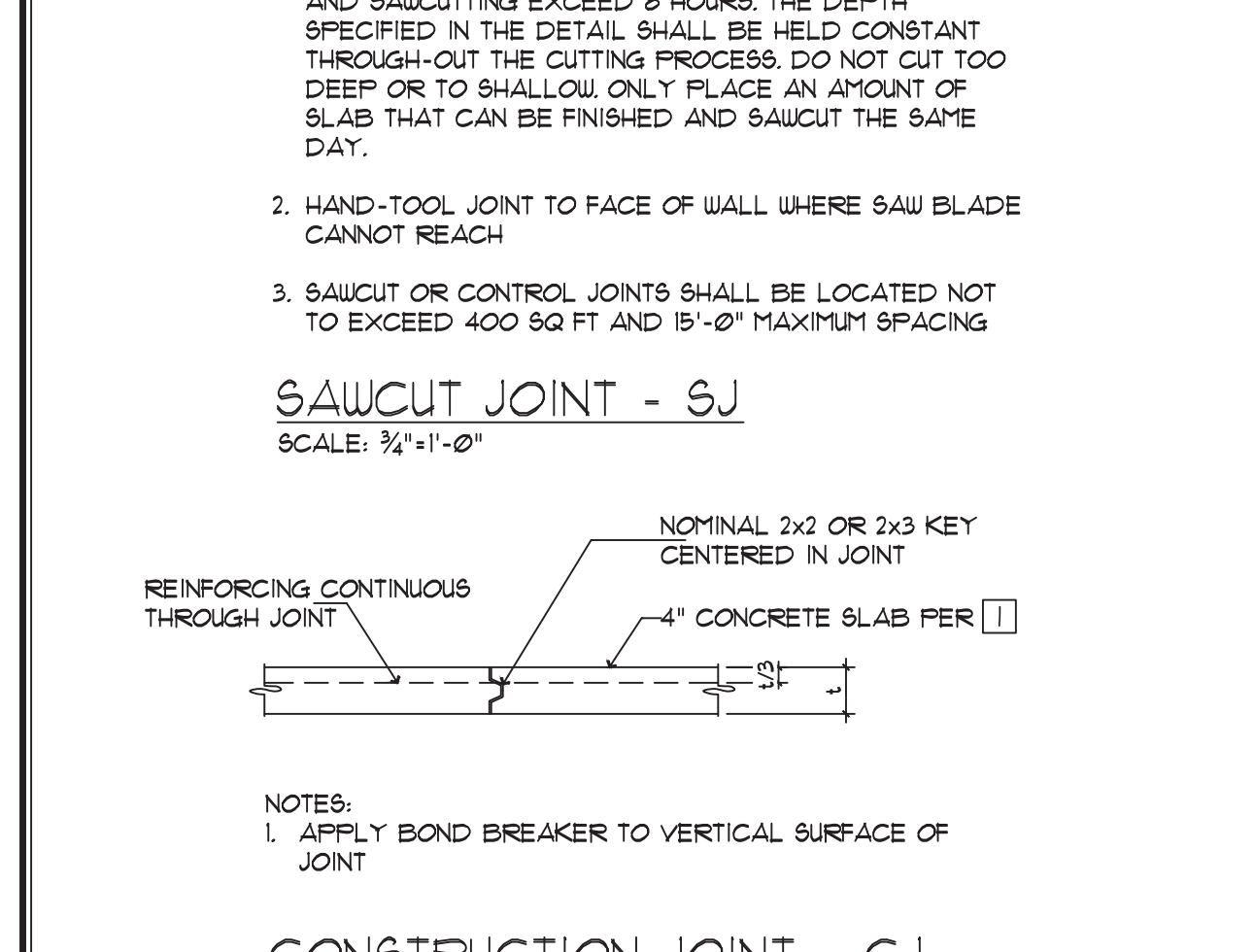
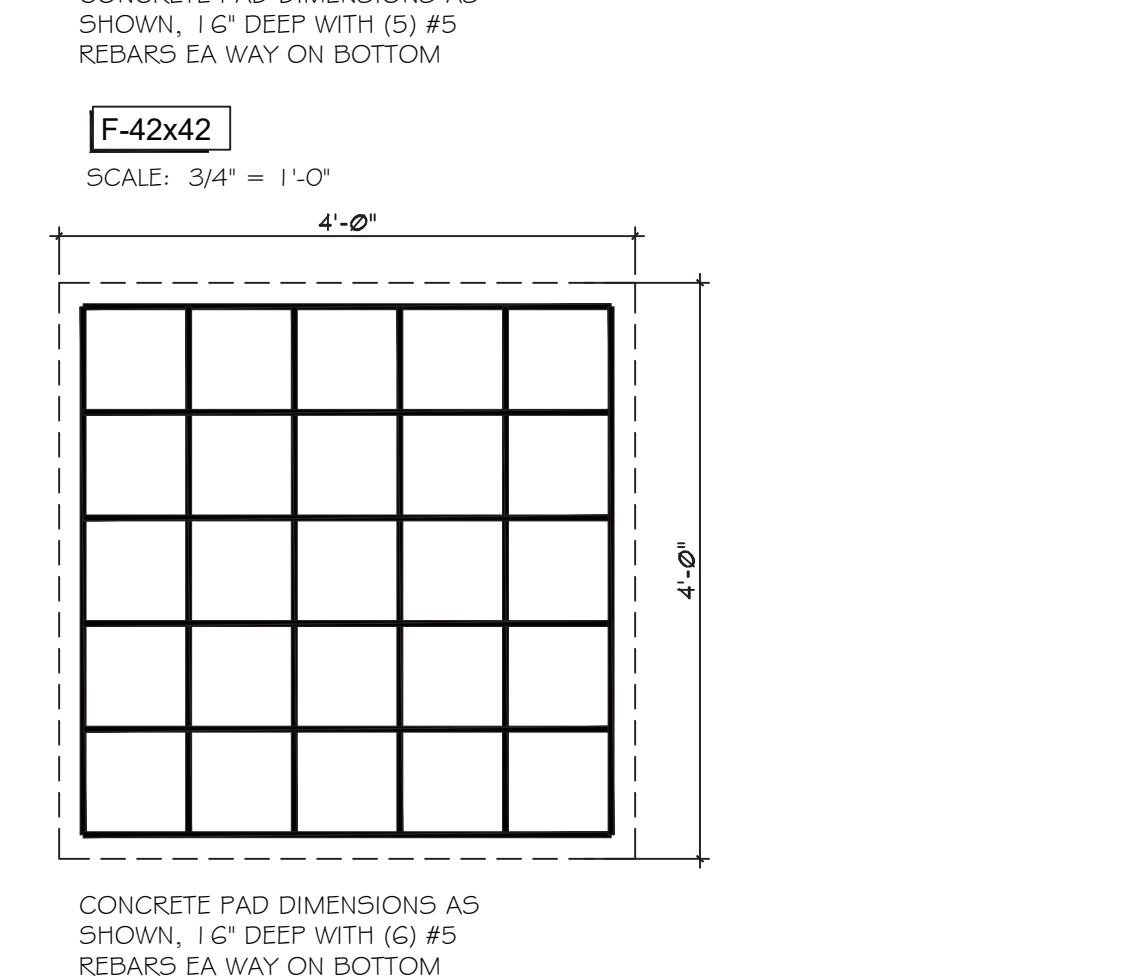
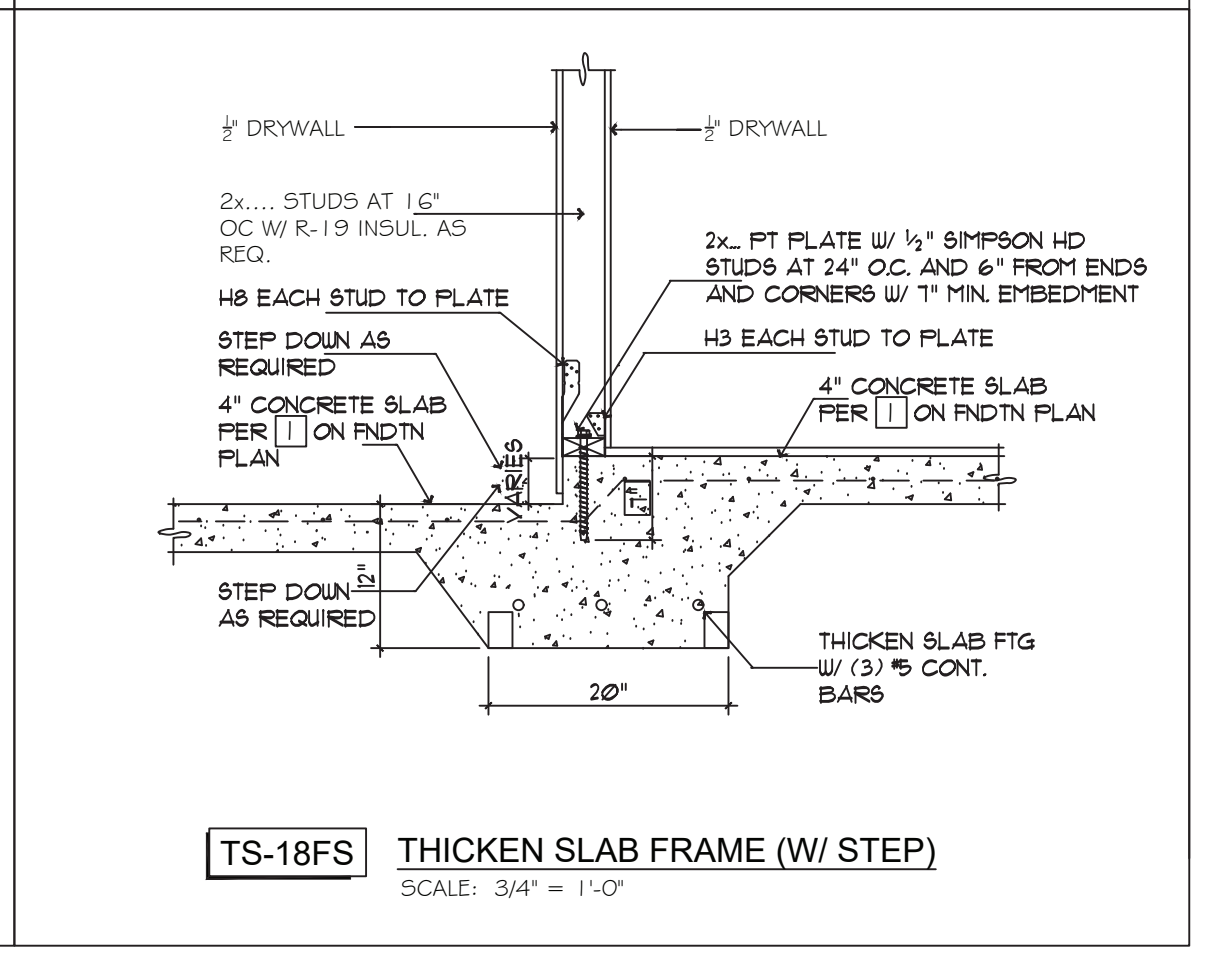
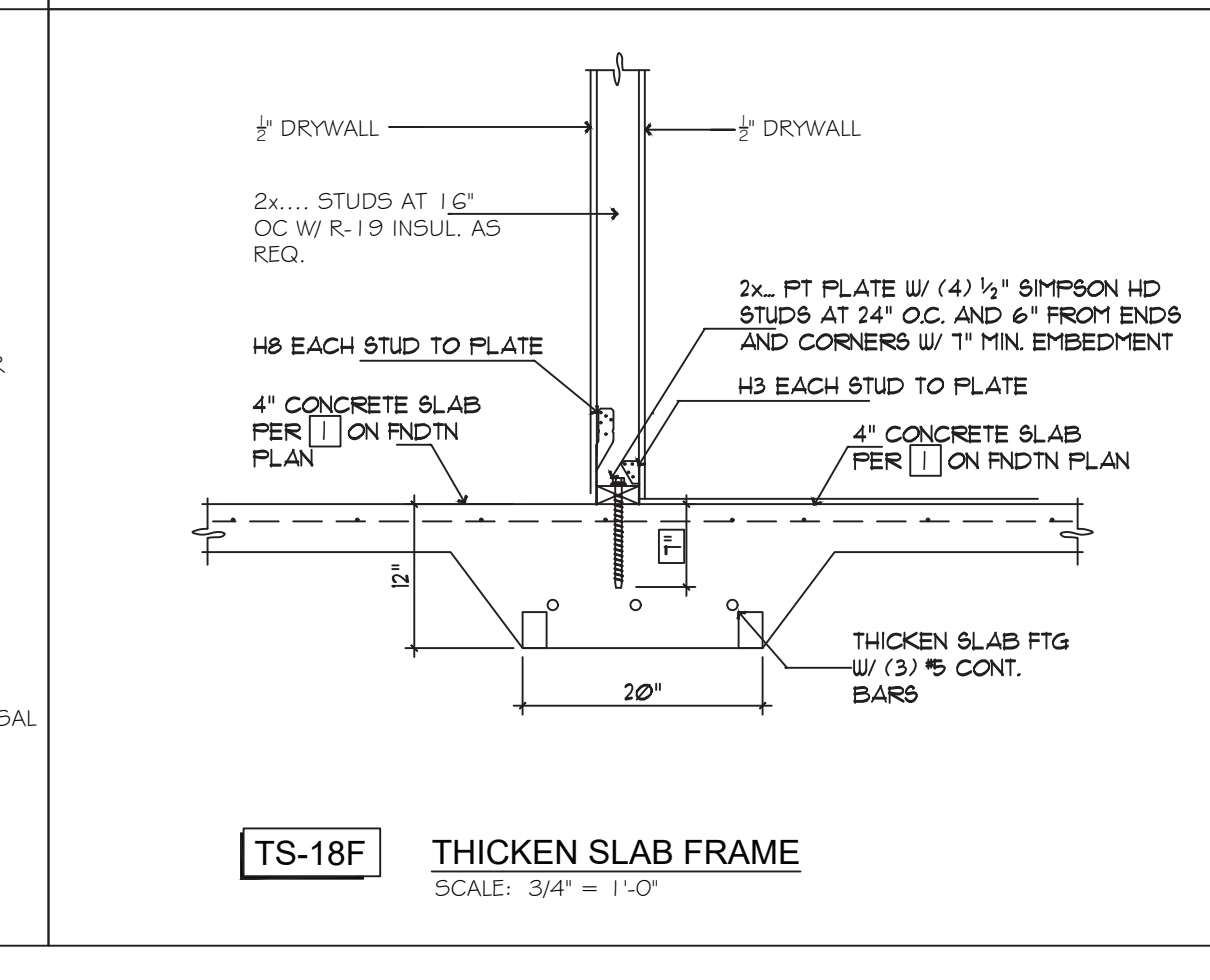
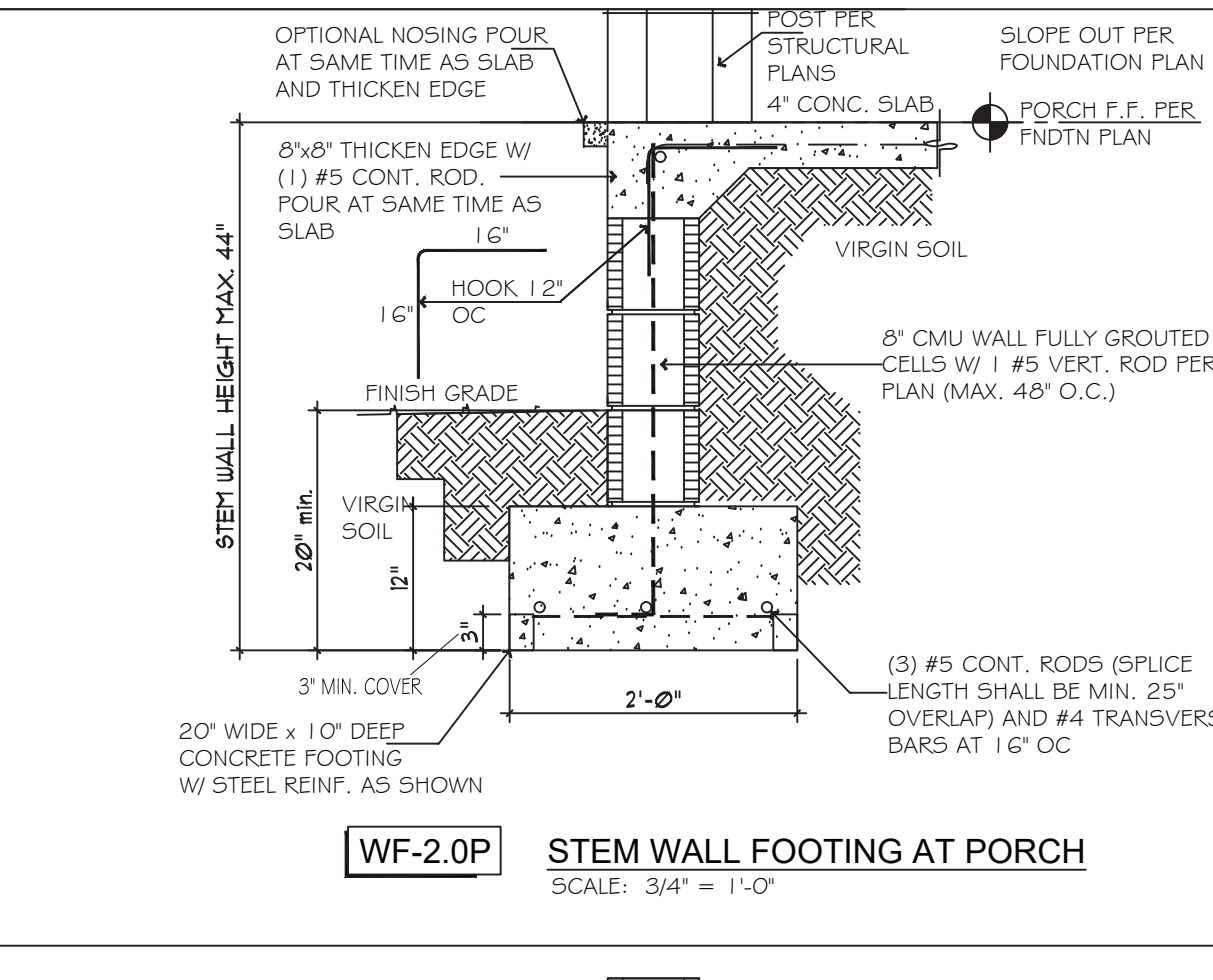
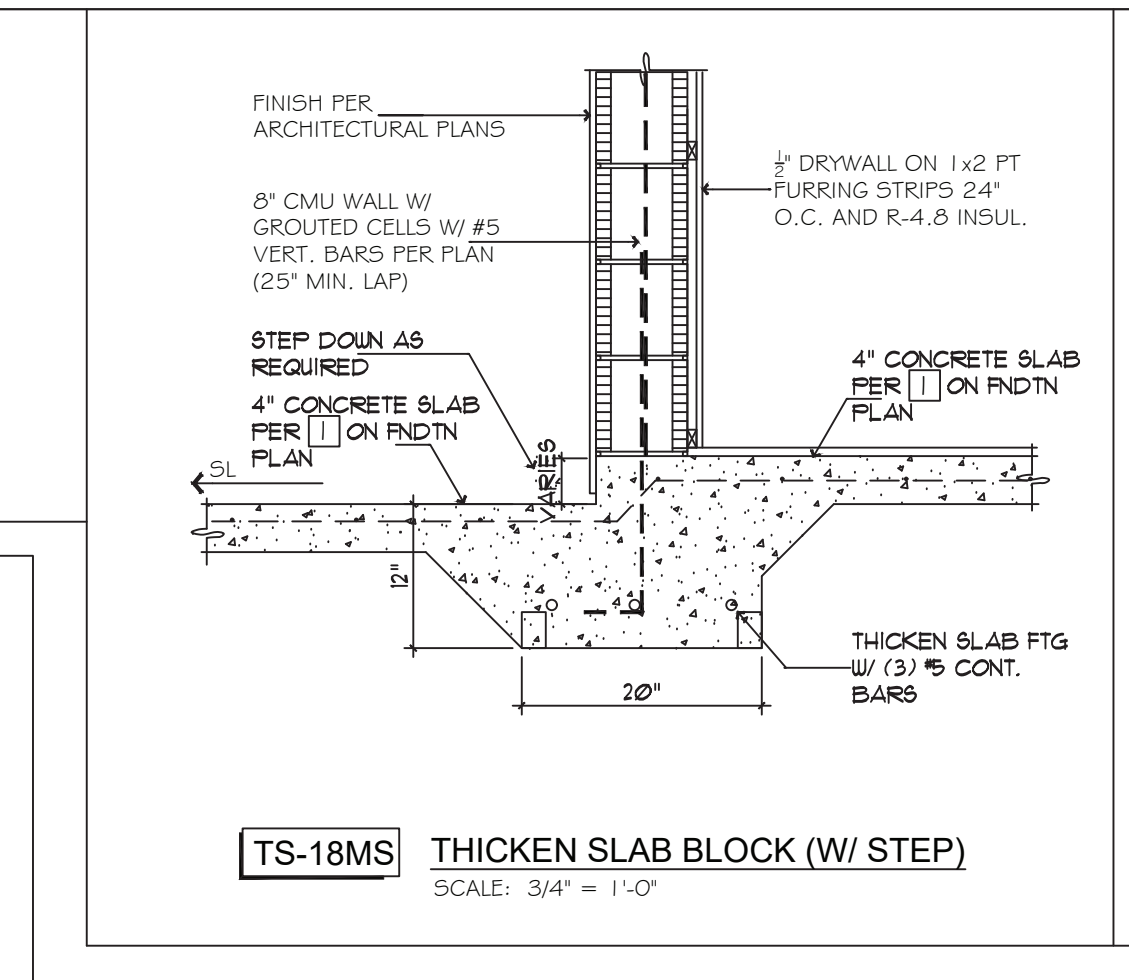
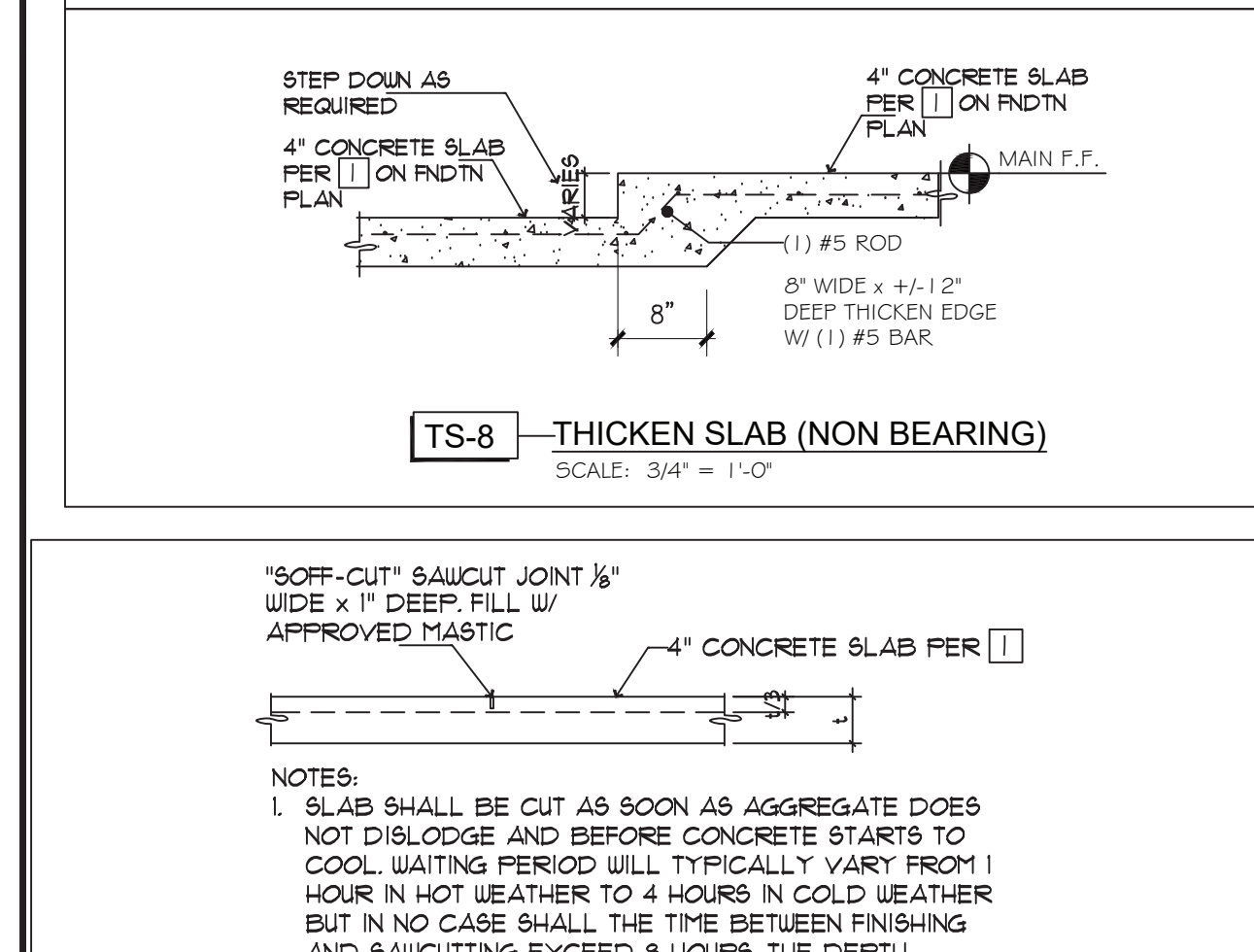
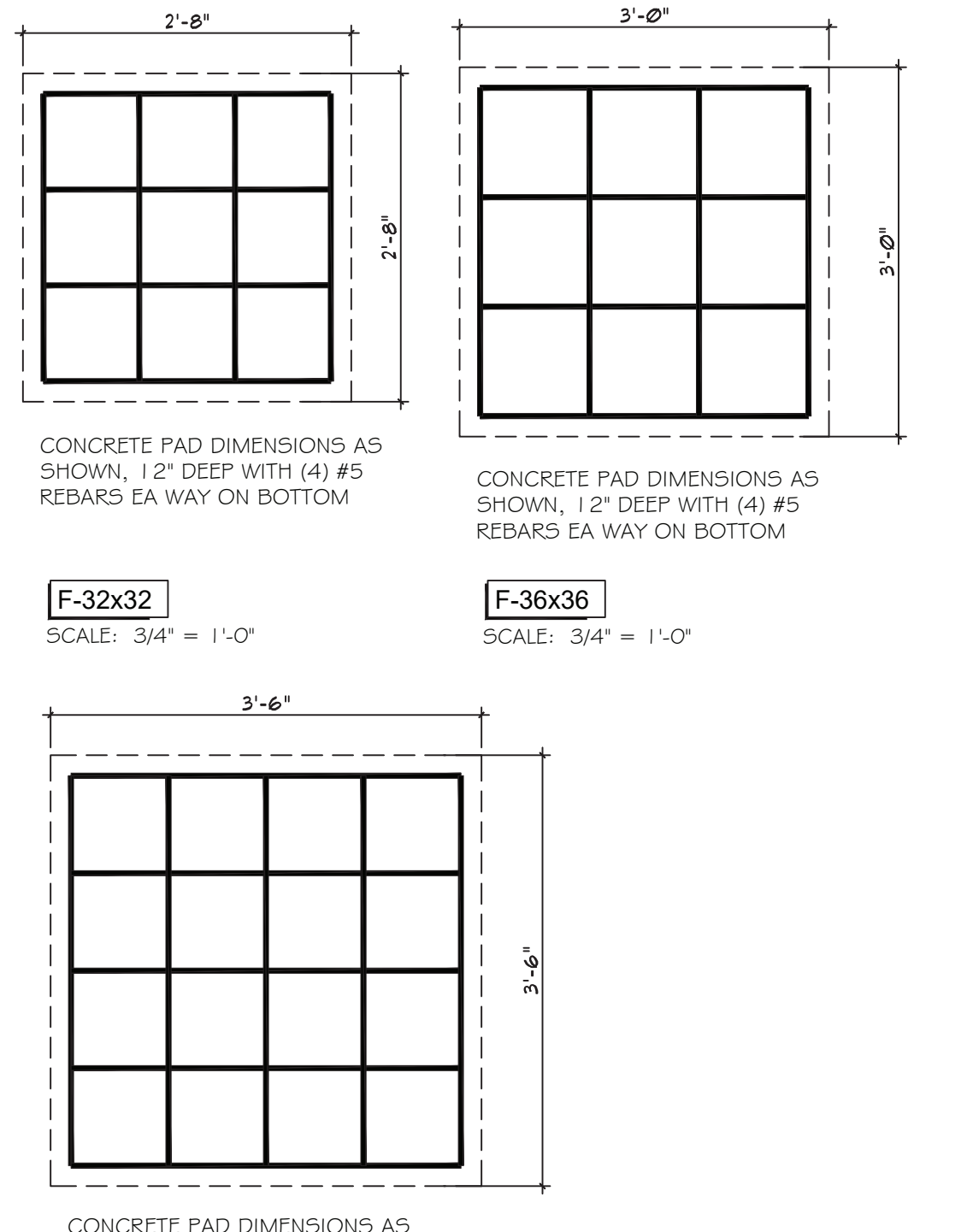
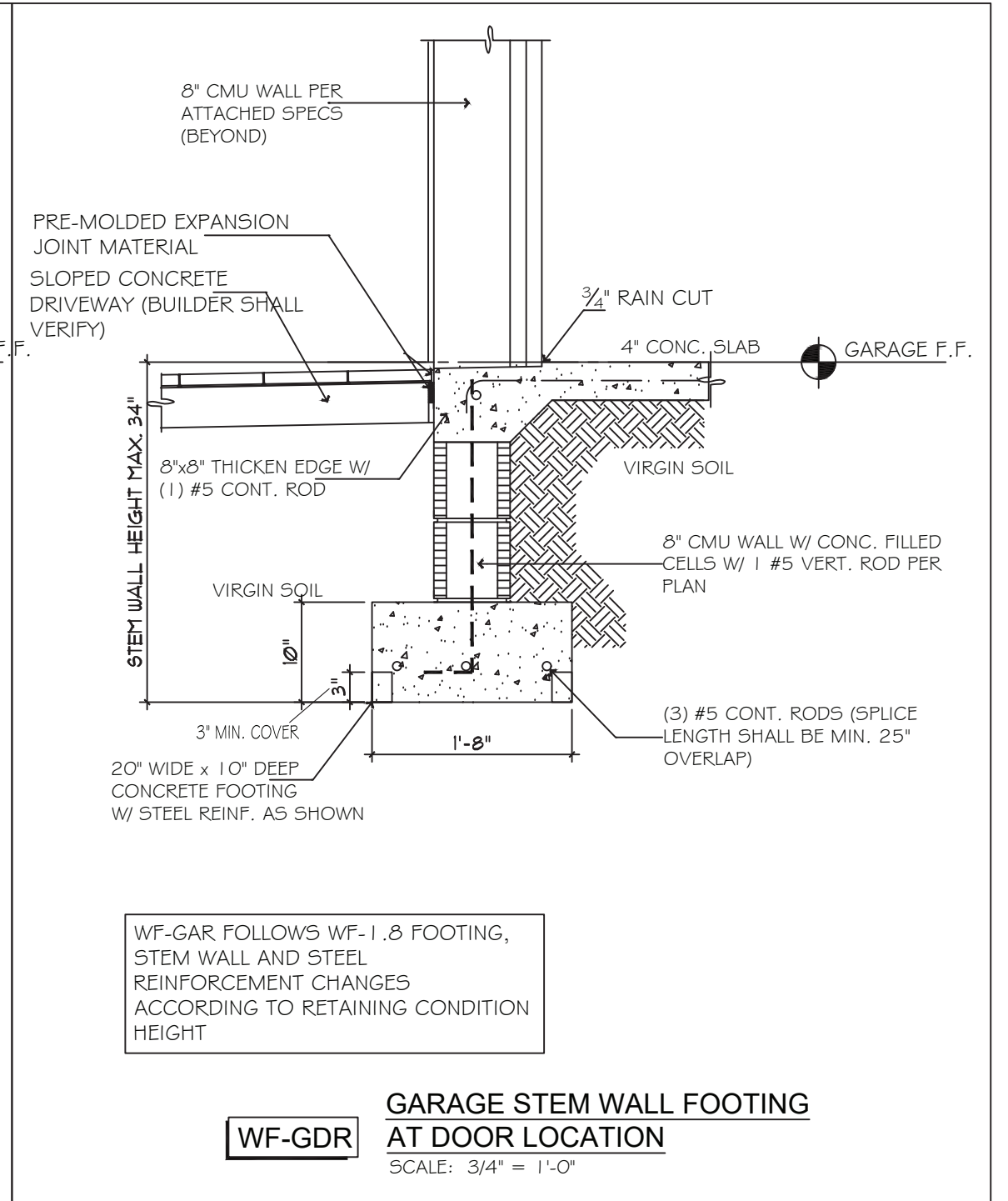
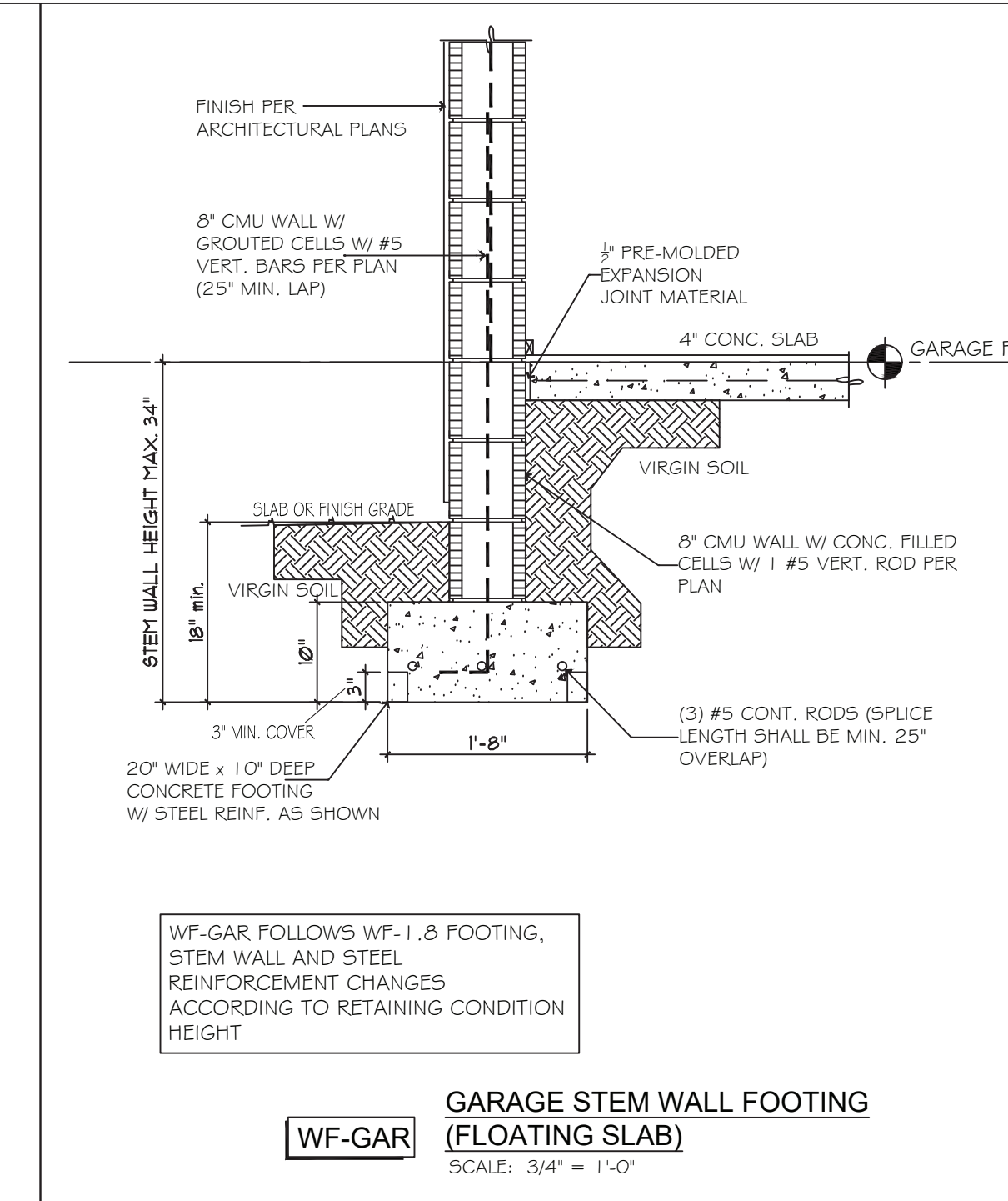
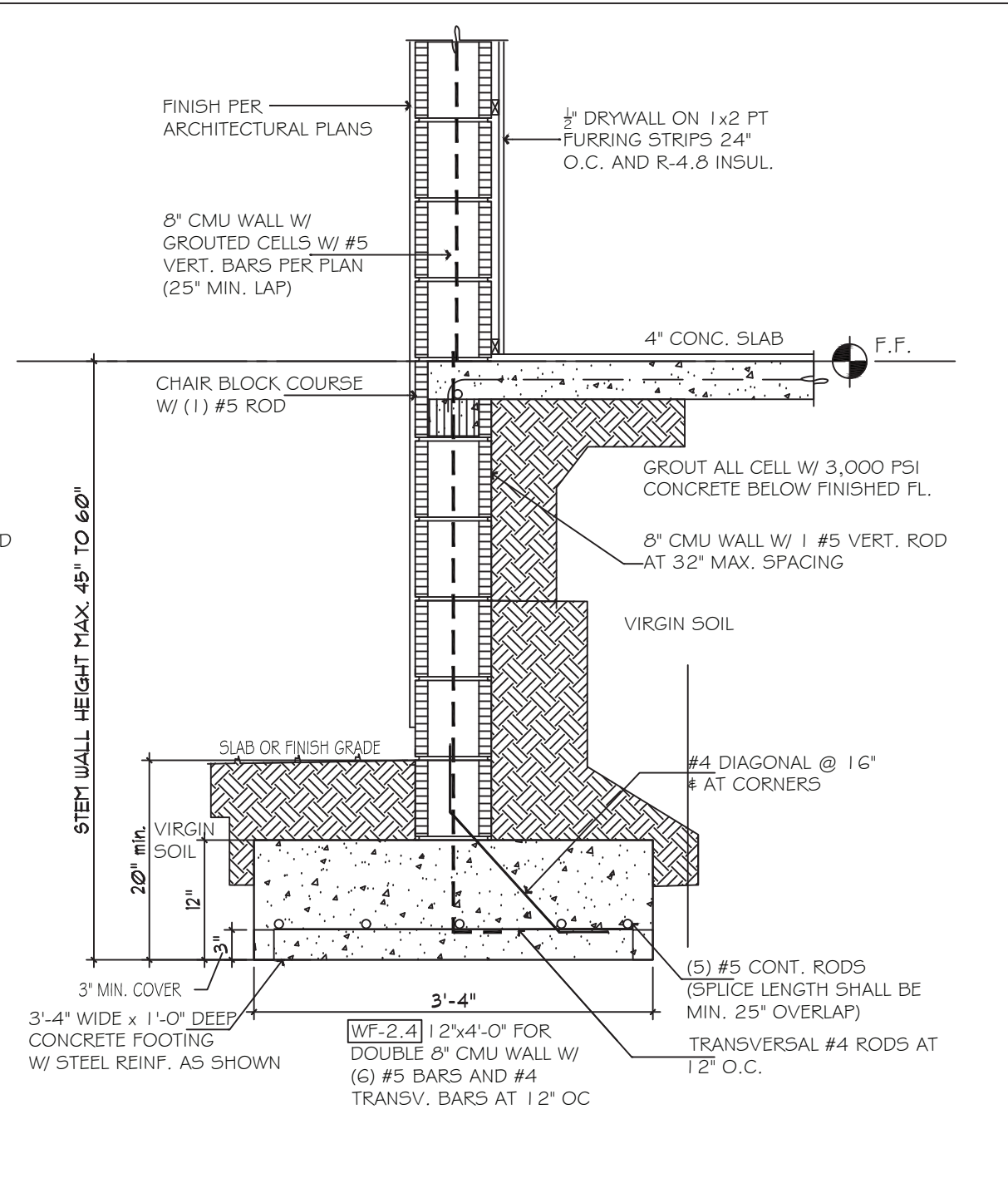
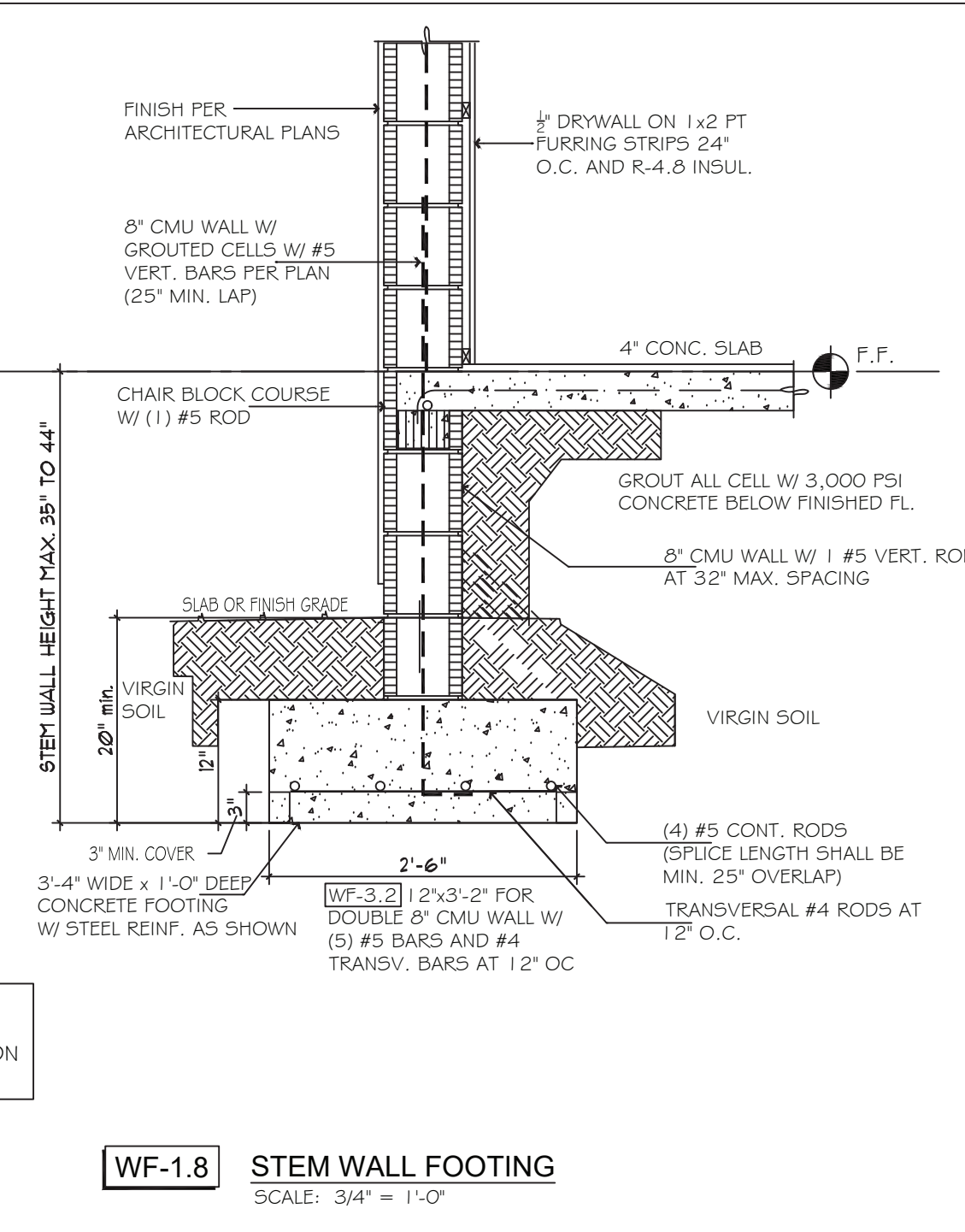
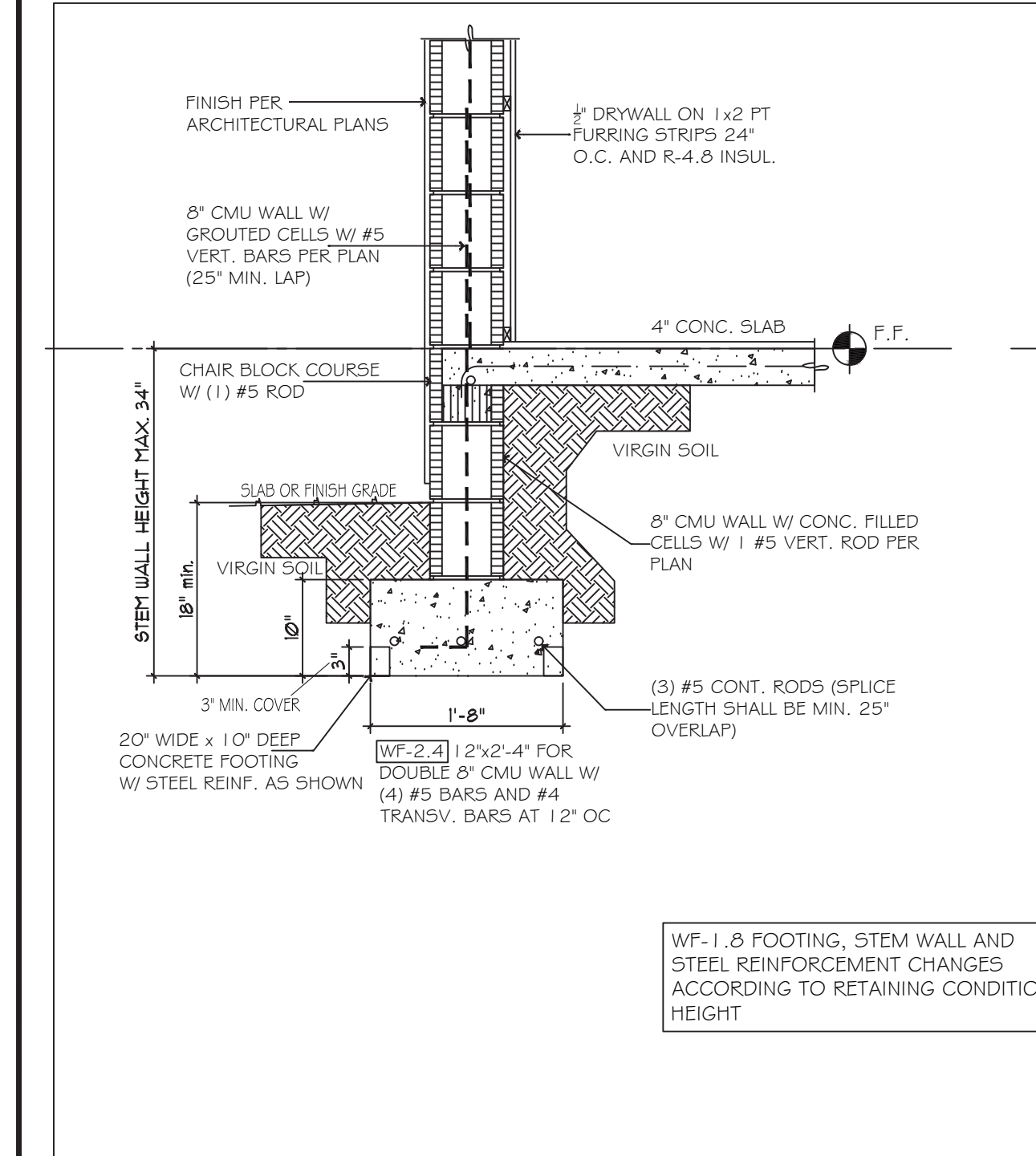
- PDR:**
POOL DISTANCE RULES PER ATTACHED DETAIL (A 21)
- 8"Ø SOLID GRADED CELL (3,000 PSI) WITH (1) #4 VERTICAL REBAR FROM FOOTING UP TO THE BEAM
 - FS FILL SOLID GRADED CELLS UNLESS OTHERWISE NOTED. STEEL REINFORCING NOT REQUIRED
 - EJ 1/2" PRE-MOLDED EXPANSION JOINT FILLER
- V.I.P. = VERIFY IN FIELD BY BUILDER AND INFORM ENGINEER
- UNLESS OTHERWISE NOTED, DIMENSIONS ARE TO OUTSIDE OF SLAB FOR ADDITIONAL DIMENSIONING REFER TO ARCHITECTURAL SET OF PLANS
- NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO ANY CONSTRUCTION
- 4" CONCRETE SLAB ON GRADE (3,000 PSI) WITH W.G. 13/10 W/M OR FIBERMESH ON 6 MIL VAPOR BARRIER OVER CLEAN, WELL COMPACTED (MIN. 2,000 PSF) AND TREATED TREATED SOIL WITH POISON CONTROL SYSTEM

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ENGINEER

SEAL
TO THE BEST OF THE ENGINEER'S KNOWLEDGE AND UNDERSTANDING, THE STRUCTURAL PLANS AND SPECIFICATIONS COMPLY WITH THE CURRENT FLORIDA RESIDENTIAL BUILDING CODE SIGNED AND SEALED FOR THE STRUCTURAL PORTION OF THIS DRAWING

CUSTOM DESIGN FOR THE:
ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

DATE: _____
SCALE: NOTED
DRAWN: EML
JOB: _____
SHEET: 2
OF SHEETS



SED
SILVESTRE ENGINEERING 2 LLC
C.A. #30239
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ALTIMONTE SPRINGS, FL 32701
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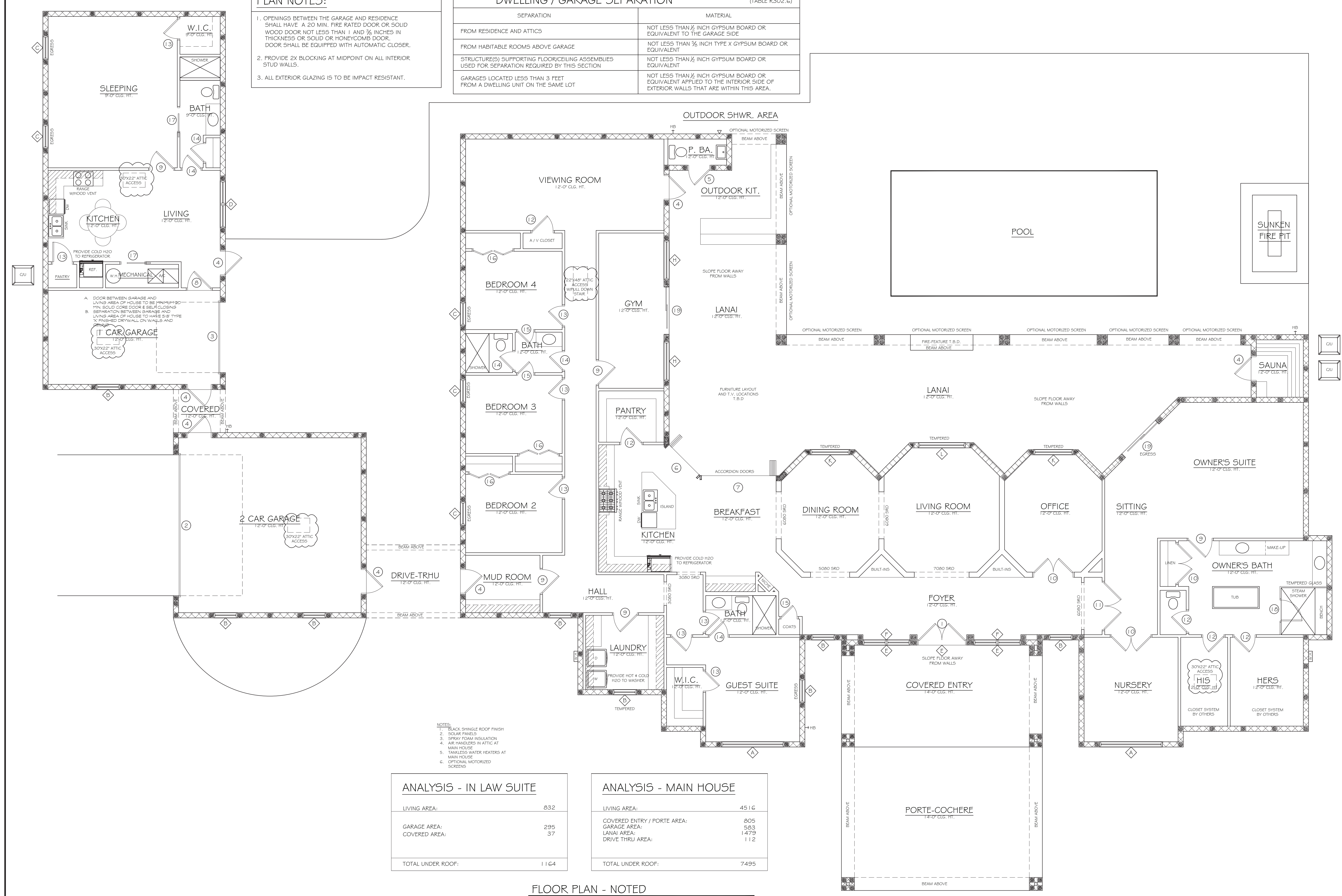
DATE:
SCALE: NOTED
DRAWN: EML
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SHEET: 2.1
OF SHEETS: 6



PLAN NOTES:

1. OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL HAVE A 20 MIN. FIRE RATED DOOR OR SOLID WOOD DOOR NOT LESS THAN 1" AND 3/4" INCHES IN THICKNESS OR SOLID OR HONEYCOMB DOOR. DOOR SHALL BE EQUIPPED WITH AUTOMATIC CLOSER.
2. PROVIDE 2X BLOCKING AT MIDPOINT ON ALL INTERIOR STUD WALLS.
3. ALL EXTERIOR GLAZING IS TO BE IMPACT RESISTANT.

| DWELLING / GARAGE SEPARATION (TABLE R302.6) | |
|---|--|
| SEPARATION | MATERIAL |
| FROM RESIDENCE AND ATTICS | NOT LESS THAN 1/2" INCH GYPSUM BOARD OR EQUIVALENT TO THE GARAGE SIDE |
| FROM HABITABLE ROOMS ABOVE GARAGE | NOT LESS THAN 5/8" INCH TYPE X GYPSUM BOARD OR EQUIVALENT |
| STRUCTURE(S) SUPPORTING FLOOR/CEILING ASSEMBLIES USED FOR SEPARATION REQUIRED BY THIS SECTION | NOT LESS THAN 1/2" INCH GYPSUM BOARD OR EQUIVALENT |
| GARAGES LOCATED LESS THAN 3 FEET FROM A DWELLING UNIT ON THE SAME LOT | NOT LESS THAN 1/2" INCH GYPSUM BOARD OR EQUIVALENT APPLIED TO THE INTERIOR SIDE OF EXTERIOR WALLS THAT ARE WITHIN THIS AREA. |



WINDOW SCHEDULE

| TAG | WIDTH | HGT. | QTY. | NOTES |
|-----|-------|-------|------|--------------------------|
| 1 | 8'-0" | 6'-0" | 2 | FIXED GLASS |
| 2 | 3'-0" | 6'-0" | 8 | CASEMENT |
| 3 | 3'-0" | 5'-0" | 5 | CASEMENT |
| 4 | 6'-0" | 5'-0" | 1 | DOUBLE CASEMENT |
| 5 | 6'-0" | 2'-0" | 3 | FIXED GLASS-DBL TRANSOM |
| 6 | 6'-0" | 8'-0" | 2 | DOUBLE FIXED GLASS-TEMP. |
| 7 | 5'-0" | 6'-0" | 2 | FIXED GLASS |
| 8 | 5'-0" | 8'-0" | 2 | FIXED GLASS - TEMPERED |
| 9 | 6'-0" | 8'-0" | 1 | FIXED GLASS - TEMPERED |

DOOR SCHEDULE

| EXTERIOR | | | | |
|----------|--------|-------|------|------------------------|
| TAG | WIDTH | HGT. | QTY. | NOTES |
| 1 | 6'-0" | 8'-0" | 1 | DOUBLE FULL GLASS |
| 2 | 18'-0" | 8'-0" | 1 | OVERHEAD GARAGE DOOR |
| 3 | 9'-0" | 8'-0" | 1 | OVERHEAD GARAGE DOOR |
| 4 | 3'-0" | 8'-0" | 7 | FULL GLASS |
| 5 | 2'-8" | 8'-0" | 1 | FULL GLASS |
| 6 | 5'-7" | 8'-0" | 1 | ACCORDION DOOR-3 PANEL |
| 7 | 9'-8" | 8'-0" | 1 | ACCORDION DOOR-5 PANEL |
| 19 | 6'-0" | 8'-0" | 1 | SLIDING GLASS DOOR |

INTERIOR

| TAG | WIDTH | HGT. | QTY. | NOTES |
|-----|-------|-------|------|-----------------------------------|
| 8 | 3'-0" | 8'-0" | 1 | 20 min. fire rated w/ self closer |
| 9 | 3'-0" | 8'-0" | 5 | SWING |
| 10 | 5'-0" | 8'-0" | 3 | DOUBLE SWING |
| 11 | 6'-0" | 8'-0" | 1 | DOUBLE SWING |
| 12 | 2'-8" | 8'-0" | 5 | SWING |
| 13 | 2'-6" | 8'-0" | 6 | SWING |
| 14 | 2'-4" | 8'-0" | 5 | SWING |
| 15 | 2'-0" | 8'-0" | 3 | SWING |
| 16 | 5'-0" | 8'-0" | 3 | DOUBLE BI-FOLD |
| 17 | 3'-0" | 8'-0" | 2 | POCKET |
| 18 | 2'-8" | 7'-0" | 1 | TEMPERED GLASS |

ANALYSIS - IN LAW SUITE

| | |
|-------------------|------|
| LIVING AREA: | 832 |
| GARAGE AREA: | 295 |
| COVERED AREA: | 37 |
| TOTAL UNDER ROOF: | 1164 |

ANALYSIS - MAIN HOUSE

| | |
|-----------------------------|------|
| LIVING AREA: | 4516 |
| COVERED ENTRY / PORTE AREA: | 805 |
| GARAGE AREA: | 583 |
| LANAI AREA: | 1479 |
| DRIVE THRU AREA: | 112 |
| TOTAL UNDER ROOF: | 7495 |

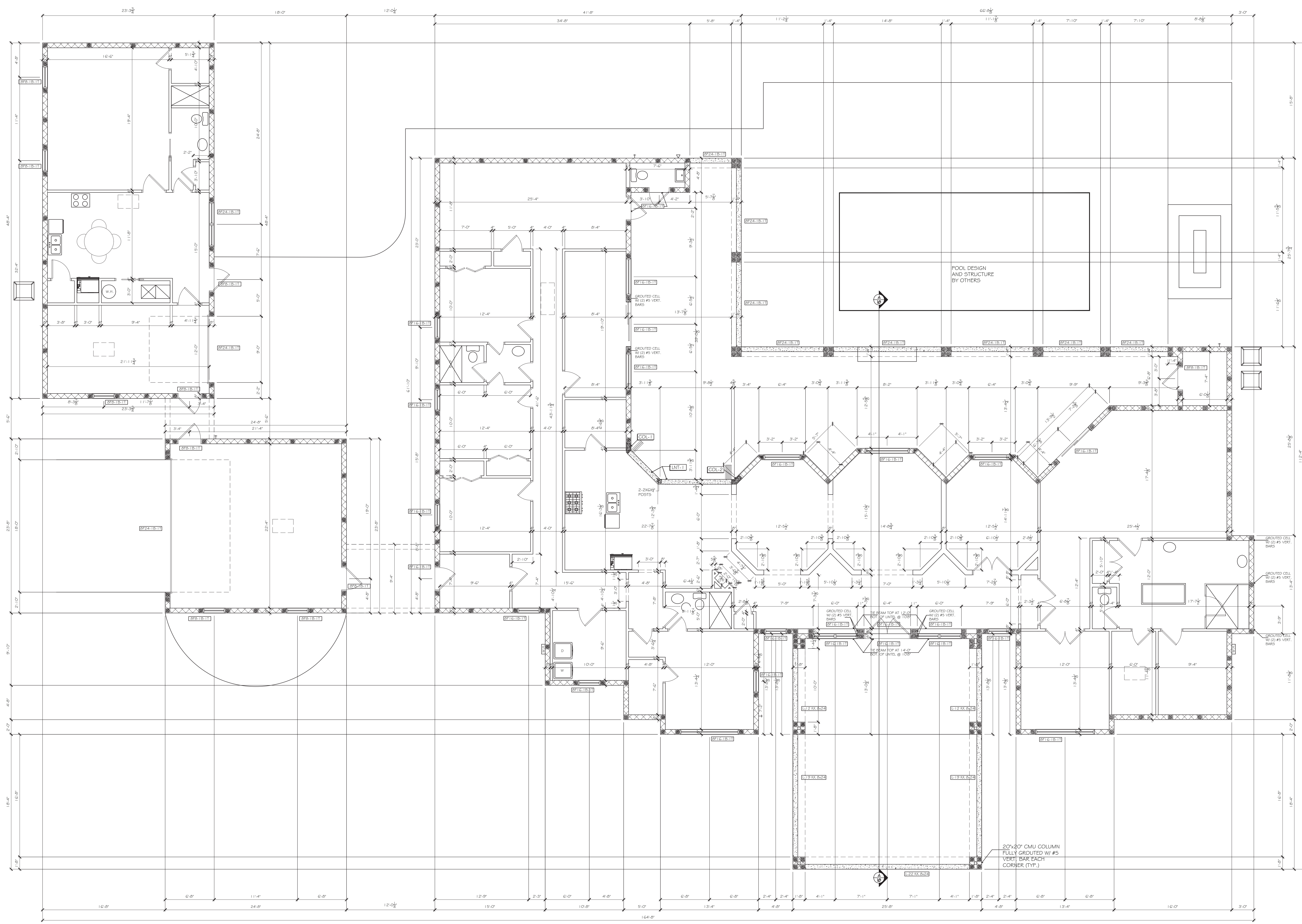
FLOOR PLAN - NOTED
SCALE: 3/16" = 1'-0"

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CUSTOM DESIGN FOR THE:
ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

DATE:
SCALE: NOTED
DRAWN: EML
JOB:
SHEET
3
SHEETS



NOTE:
CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO ANY CONSTRUCTION

UNLESS OTHERWISE NOTED HEADERS SHALL BE DESIGNED PER ATTACHED HEADER SCHEDULE ON SHEET S4.1

FRAMING LEGEND

CONNECTOR SCHEDULE TAG - SEE DETAILS ON THIS SHEET S-4.1

TYPICAL CONNECTION TAG - SEE DETAILS ON THIS SHEET S-4.1

PRECAST CONCRETE LINTEL PER ATTACHED SCHEDULE ON SHEET S4.0

ALL LINTEL SPANS SHALL BE VERIFIED BY BUILDER PRIOR TO WALL CONSTRUCTION

ALL LINTEL DEPTH SHOWN ON THIS PLAN IS THE MINIMUM REQUIRED FOR ALL APPLICABLE LOADS. ALLOWING BUILDER TO INCREASE DEPTH OF LINTEL TO FIT ANY APPLICATION. FOR ALL THOSE CASES AND UNLESS OTHERWISE NOTED, LINTELS SHALL BE # 8 OR 1/2" WIDE BY APPLICABLE DEPTH. UNLESS OTHERWISE SPECIFIED, FILL ALL COURSES WITH SOLID 3,000 PSI CONCRETE AND # 5 RODS TOP AND BOTTOM.

ALL LINTELS SHALL BE POURED AT ONE TIME

6"X8" SOLID GROUTED CELL 3,000 PSI WITH # 5 VERTICAL REBAR FROM FOOTING UP TO THE BEAM

FS FILL SOLID GROUTED CELLS UNLESS OTHERWISE NOTED. STEEL REINFORCING NOT REQUIRED

EJ 1/2" PRE-MOLDED EXPANSION JOINT FILLER

INTERIOR LOAD BEARING WALL

V.I.F. - VERIFY IN FIELD BY BUILDER AND INFORM ENGINEER

UNLESS OTHERWISE NOTED, DIMENSIONS ARE TO OUTSIDE OF SLAB FOR ADDITIONAL DIMENSIONING REFER TO ARCHITECTURAL SET OF PLANS

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FLOOR PLAN - DIMENSIONED AND LINTEL PLAN
SCALE: 3/16" = 1'-0"

CUSTOM DESIGN FOR THE:
ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

DATE:
SCALE: NOTED
DRAWN: EML
JOB:
SHEET
4
OF SHEETS

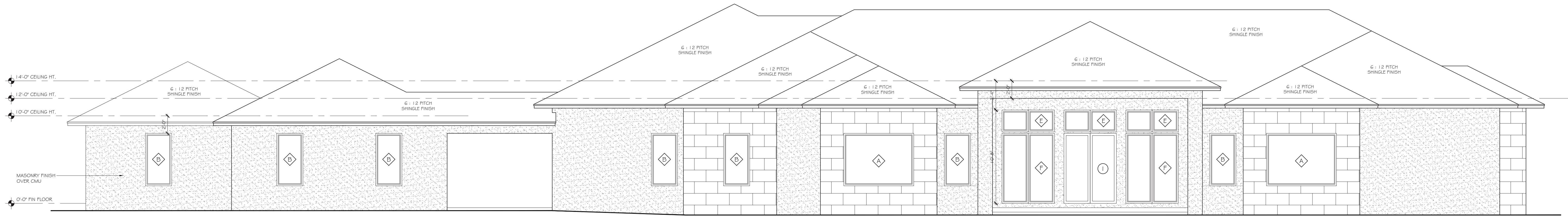
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eng@luciadesigns.com
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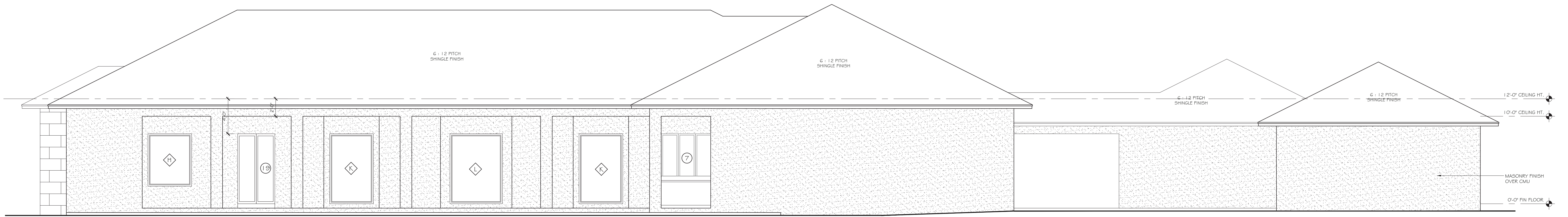
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CUSTOM DESIGN FOR THE:
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LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

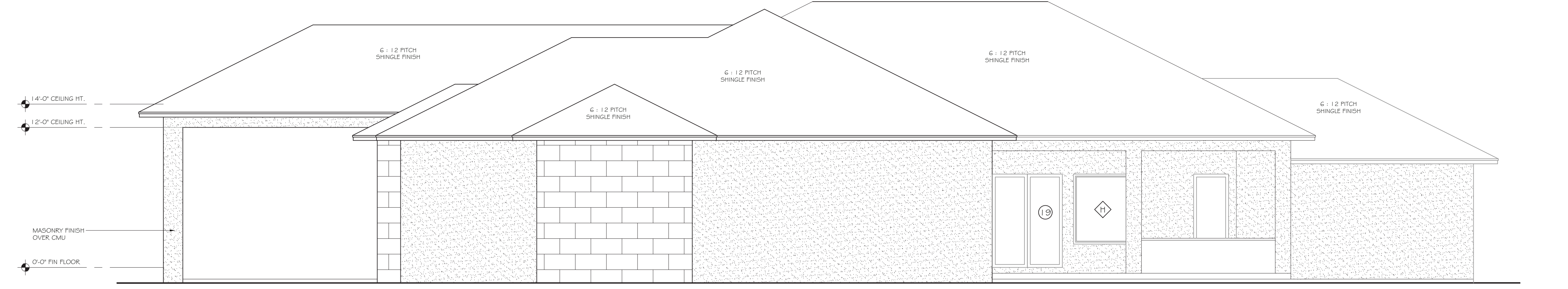
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JOB: _____
SHEET 5
OF SHEETS



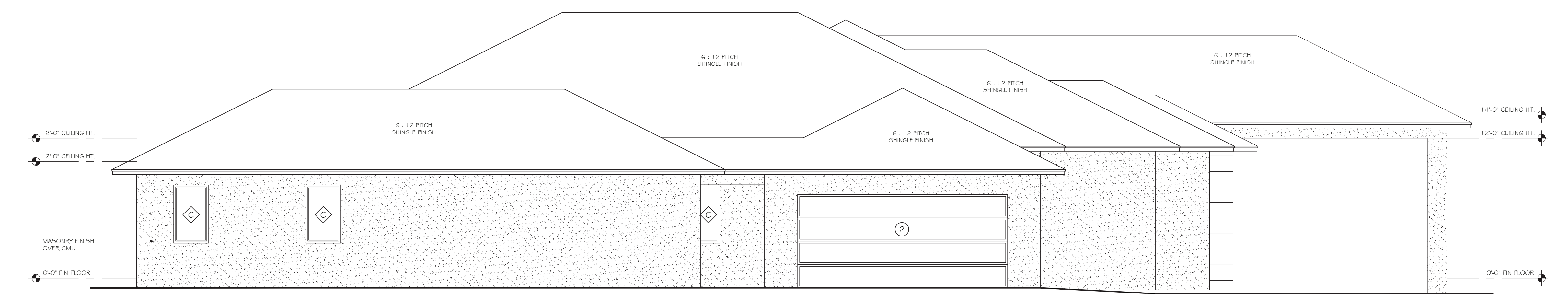
FRONT ELEVATION
SCALE: 3/16" = 1'-0"



REAR ELEVATION
SCALE: 3/16" = 1'-0"



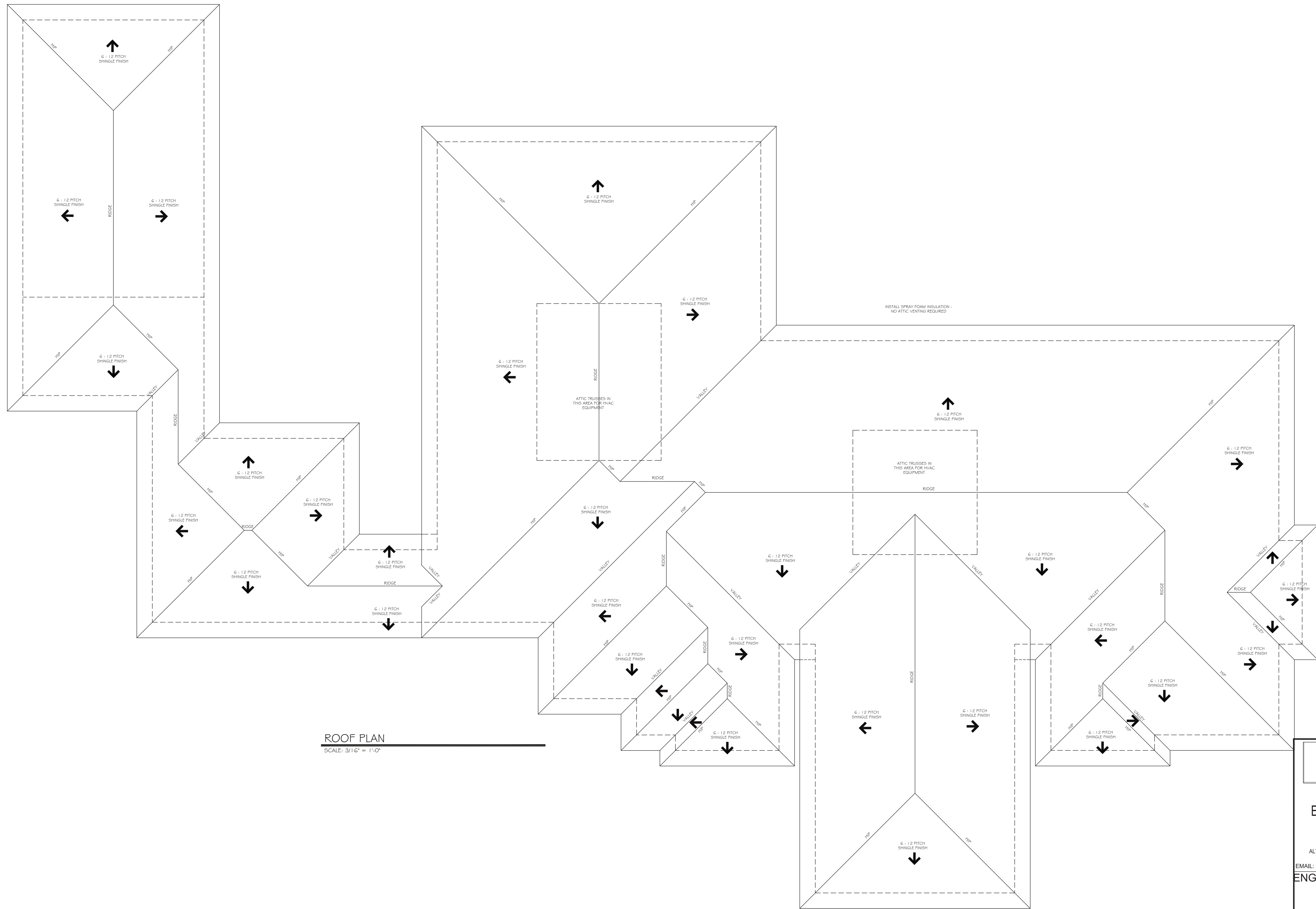
RIGHT ELEVATION
SCALE: 3/16" = 1'-0"



LEFT ELEVATION
SCALE: 3/16" = 1'-0"

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ROOF PLAN
SCALE: 3/16" = 1'-0"

| REVISIONS | BY |
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eric@luciadesigns.com
Tel: 407-422-3497



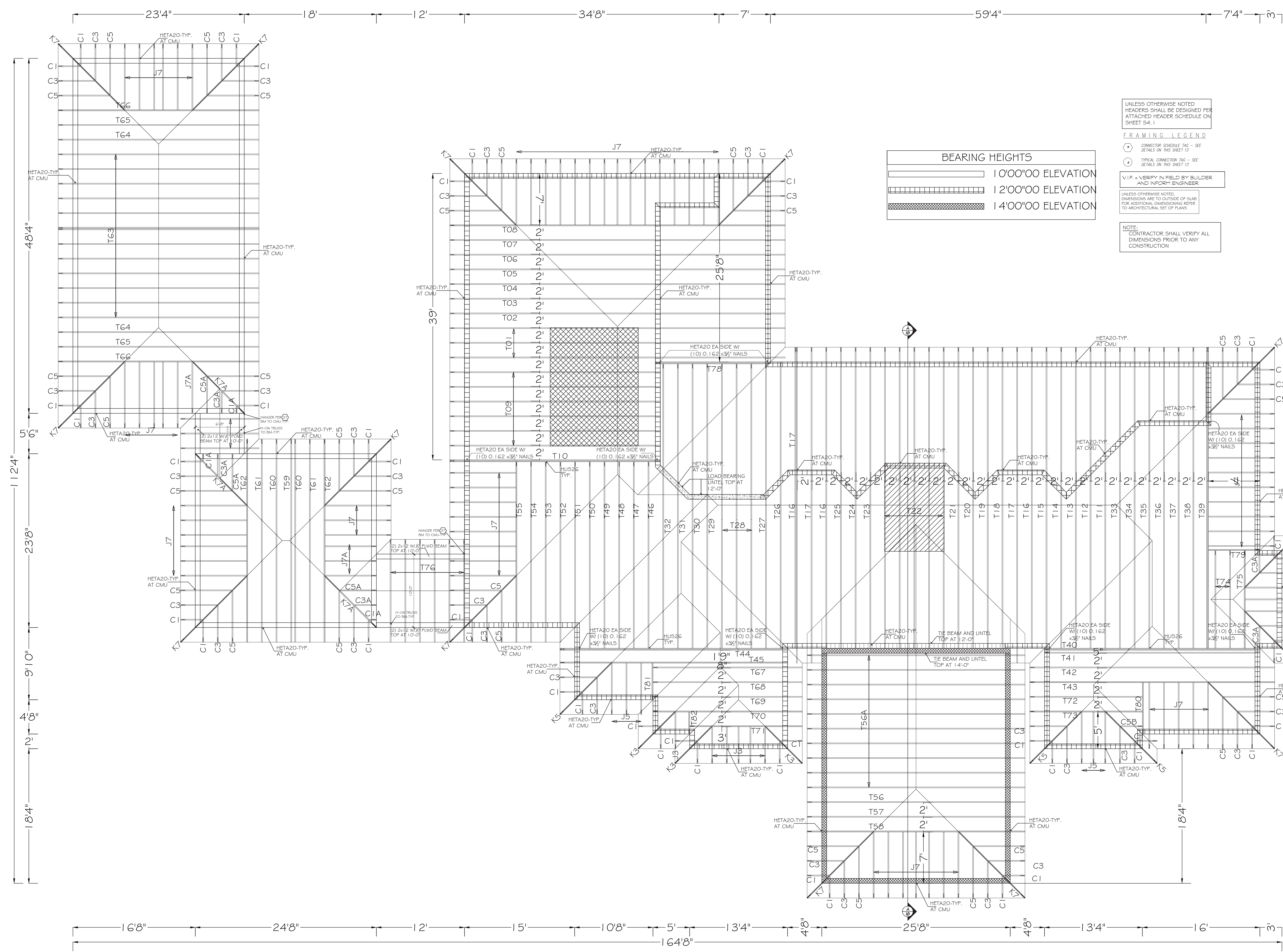
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THE CURRENT FLORIDA
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SIGNED AND SEALED FOR THE
STRUCTURAL PORTION OF THIS
DRAWING

CUSTOM DESIGN FOR THE:
ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

DATE: _____
SCALE: NOTED
DRAWN: EML
JOB: _____
SHEET: **6**
OF SHEETS



ROOF TRUSS LAYOUT
SCALE: 3/4" = 1'-0"

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CUSTOM DESIGN FOR THE:
ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

DATE:
SCALE: NOTED
DRAWN: EML
JOB:
SHEET 7
OF SHEETS

| REVISIONS | BY |
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TEL: 407-402-3497

Lucia

CUSTOM DESIGN FOR THE:
ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

DATE: _____
SCALE: NOTED
DRAWN: EML
JOB: _____
SHEET: **8**
OF _____ SHEETS

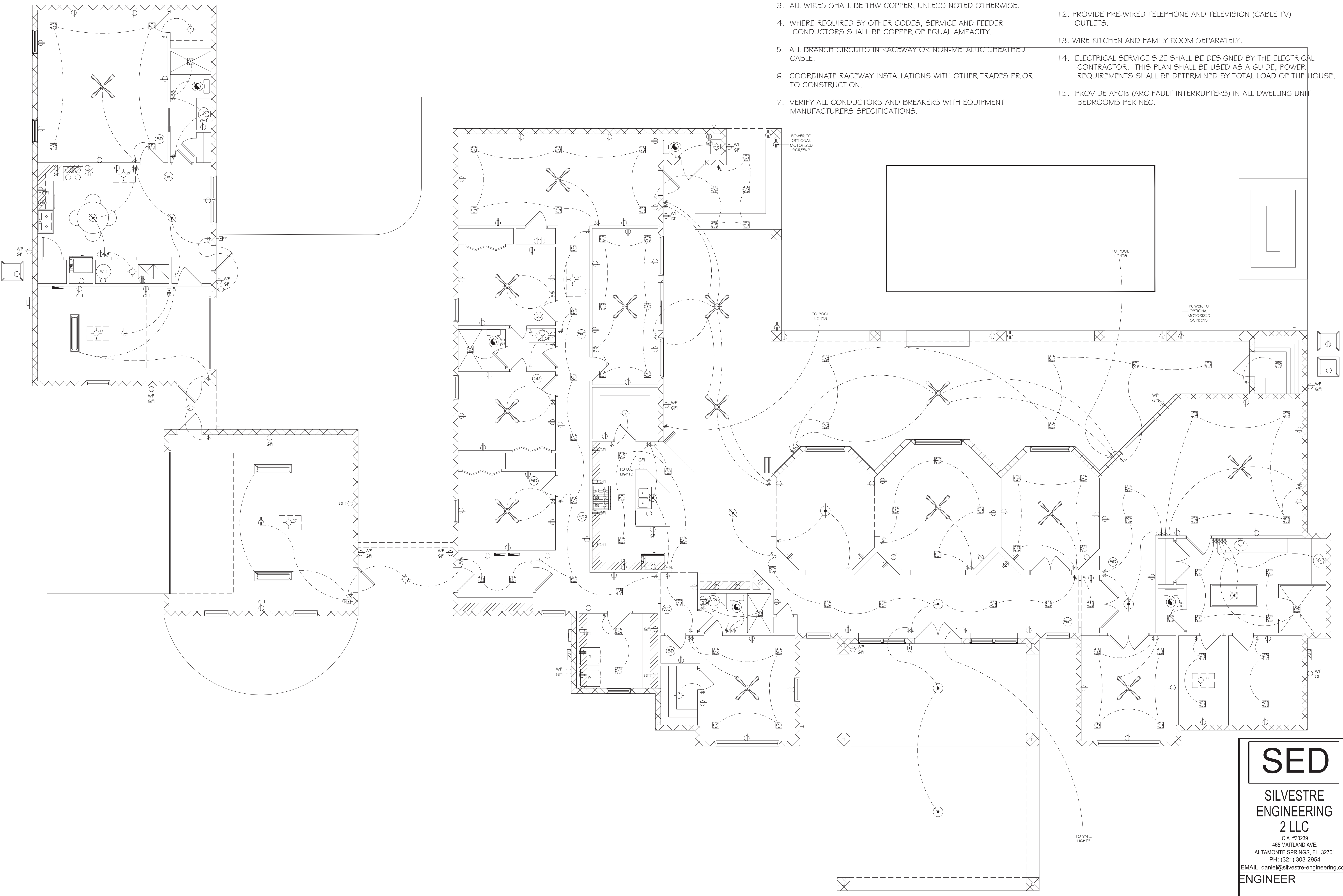
ELECTRICAL NOTES

- UNLESS OTHERWISE SPECIFICALLY STATED HEREIN, THE ELECTRICAL PLAN(S) ARE ONLY FOR GENERAL DESIGN INTENT AND HAVE BEEN COMPILED TO MEET PERMIT REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION. ACTUAL QUANTITY, TYPE, AND PLACEMENT OF OUTLETS, SWITCHES, FIXTURES, AND ALL OTHER RELATED ELECTRICAL EQUIPMENT SHALL BE DETERMINED BY THE CONTRACTOR AND OWNER. INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES.
- CONTRACTOR SHALL VERIFY WITH POWER COMPANY THE LOCATION OF SERVICE AND SHALL LOCATE METER AND PANEL AS REQUIRED.
- ALL WIRES SHALL BE THW COPPER, UNLESS NOTED OTHERWISE.
- WHERE REQUIRED BY OTHER CODES, SERVICE AND FEEDER CONDUCTORS SHALL BE COPPER OF EQUAL AMPACITY.
- ALL BRANCH CIRCUITS IN RACEWAY OR NON-METALLIC SHEATHED CABLE.
- COORDINATE RACEWAY INSTALLATIONS WITH OTHER TRADES PRIOR TO CONSTRUCTION.
- VERIFY ALL CONDUCTORS AND BREAKERS WITH EQUIPMENT MANUFACTURERS SPECIFICATIONS.
- PROVIDE DISCONNECT SWITCH SIZE AS REQUIRED BY LOAD AND UNITS.
- PROVIDE NON-FUSIBLE GENERAL DUTY SAFETY SWITCHES AT A/C EQUIPMENT, AND AT PUMPS NOT VISIBLE FROM CIRCUIT BREAKER PANEL AND AS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE GROUND FAULT INTERRUPT (GFI) BREAKERS FOR ALL BATHROOM, GARAGE AND EXTERIOR OUTLETS AS SHOWN.
- ELECTRICAL FIXTURES, TRIM AND APPLIANCES SHALL BE 'UL' APPROVED AND SELECTED BY OWNER.
- PROVIDE PRE-WIRED TELEPHONE AND TELEVISION (CABLE TV) OUTLETS.
- WIRE KITCHEN AND FAMILY ROOM SEPARATELY.
- ELECTRICAL SERVICE SIZE SHALL BE DESIGNED BY THE ELECTRICAL CONTRACTOR. THIS PLAN SHALL BE USED AS A GUIDE, POWER REQUIREMENTS SHALL BE DETERMINED BY TOTAL LOAD OF THE HOUSE.
- PROVIDE AFCIs (ARC FAULT INTERRUPTERS) IN ALL DWELLING UNIT BEDROOMS PER NEC.

ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|--------|--------------------------------------|
| Ⓢ | SWITCH |
| Ⓢ | THREE WAY SWITCH |
| Ⓢ | FOUR WAY SWITCH |
| Ⓢ | DIMMER SWITCH |
| Ⓢ | 110v OUTLET |
| Ⓢ | 110v OUTLET, GFCI |
| Ⓢ | 110v OUTLET, WEATHER PROOF GFCI |
| Ⓢ | 110v OUTLET, CEILING |
| Ⓢ | 110v OUTLET, BELOW |
| Ⓢ | 110v OUTLET, SWITCHED |
| Ⓢ | 220v OUTLET |
| Ⓢ | FLOOR OUTLET |
| Ⓢ | SURFACE MOUNTED INCANDESCENT LIGHT |
| Ⓢ | WALL SCONCE |
| Ⓢ | LARGE PENDANT FIXTURE |
| Ⓢ | PENDANT FIXTURE |
| Ⓢ | INGROUND UPLIGHT |
| Ⓢ | LIGHT/FAN COMBO UNIT |
| Ⓢ | BATH FAN |
| Ⓢ | RECESSED LED LIGHT |
| Ⓢ | DIRECTIONAL RECESSED LED LIGHT |
| Ⓢ | RECESSED LED LIGHT - VAPOR PROOF |
| Ⓢ | LED BACKLIGHTING |
| Ⓢ | HEADER LIGHT FIXTURE |
| Ⓢ | SQUARE PENDANT LIGHT FIXTURE |
| Ⓢ | RECESSED RISER LIGHT |
| Ⓢ | RECESSED WALL MOUNTED OUTDOOR LIGHT |
| Ⓢ | 2' X 4' LED LIGHT |
| Ⓢ | SMOKE DETECTOR |
| Ⓢ | COMBO SMOKE/CARBON MONOXIDE DETECTOR |
| Ⓢ | TV OUTLET |
| Ⓢ | DATA PORT |
| Ⓢ | ELECTRICAL PANEL |
| Ⓢ | ELECTRICAL METER |
| Ⓢ | PUSH BUTTON |
| Ⓢ | INTERCOM |
| Ⓢ | GARBAGE DISPOSAL |
| Ⓢ | CHIMES |
| Ⓢ | ELEVATOR CALL BUTTON |
| Ⓢ | ALARM KEY PAD |
| Ⓢ | JUNCTION BOX |
| Ⓢ | LAMP HOLDER - PULL CHAIN |
| Ⓢ | FLOOD LIGHTS |
| Ⓢ | CEILING FAN |

ELECTRICAL PLAN IS INTENDED FOR BID PURPOSES ONLY. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, LATEST EDITION, BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION & SIZING OF ALL ELECTRICAL, WIRING & ACCESSORIES.

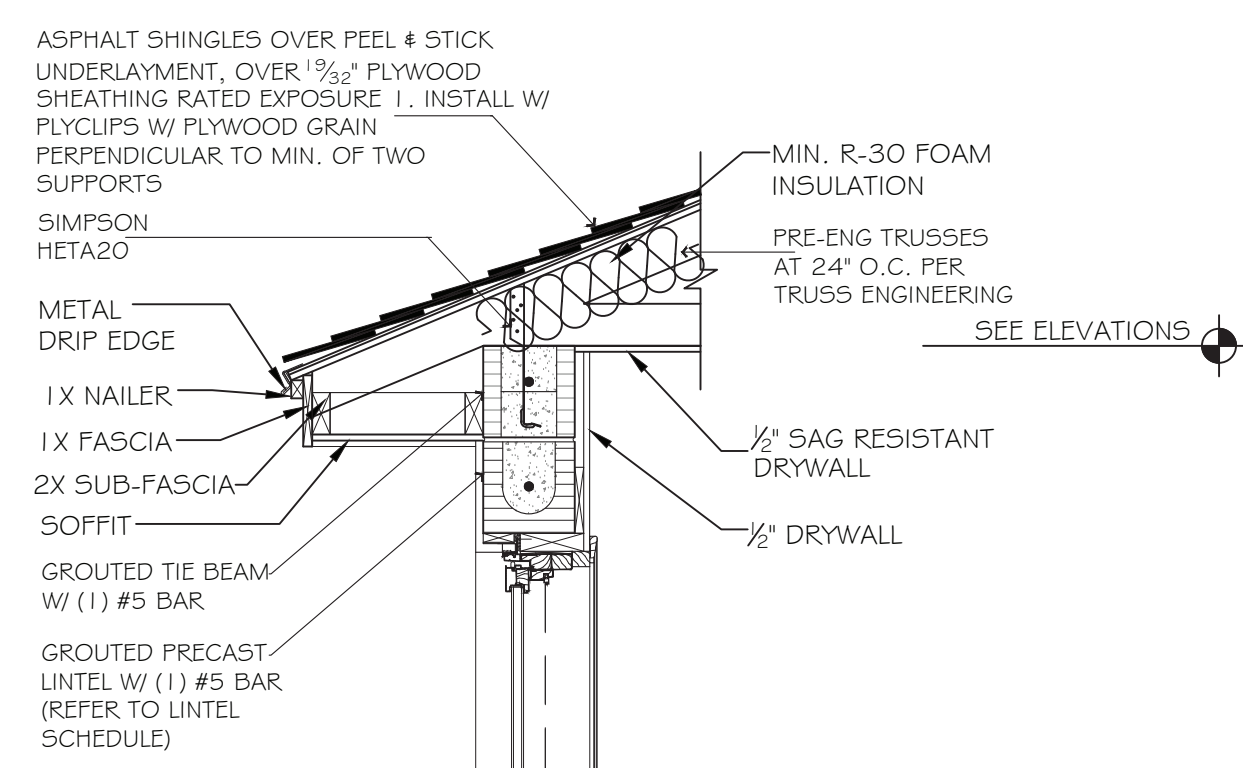


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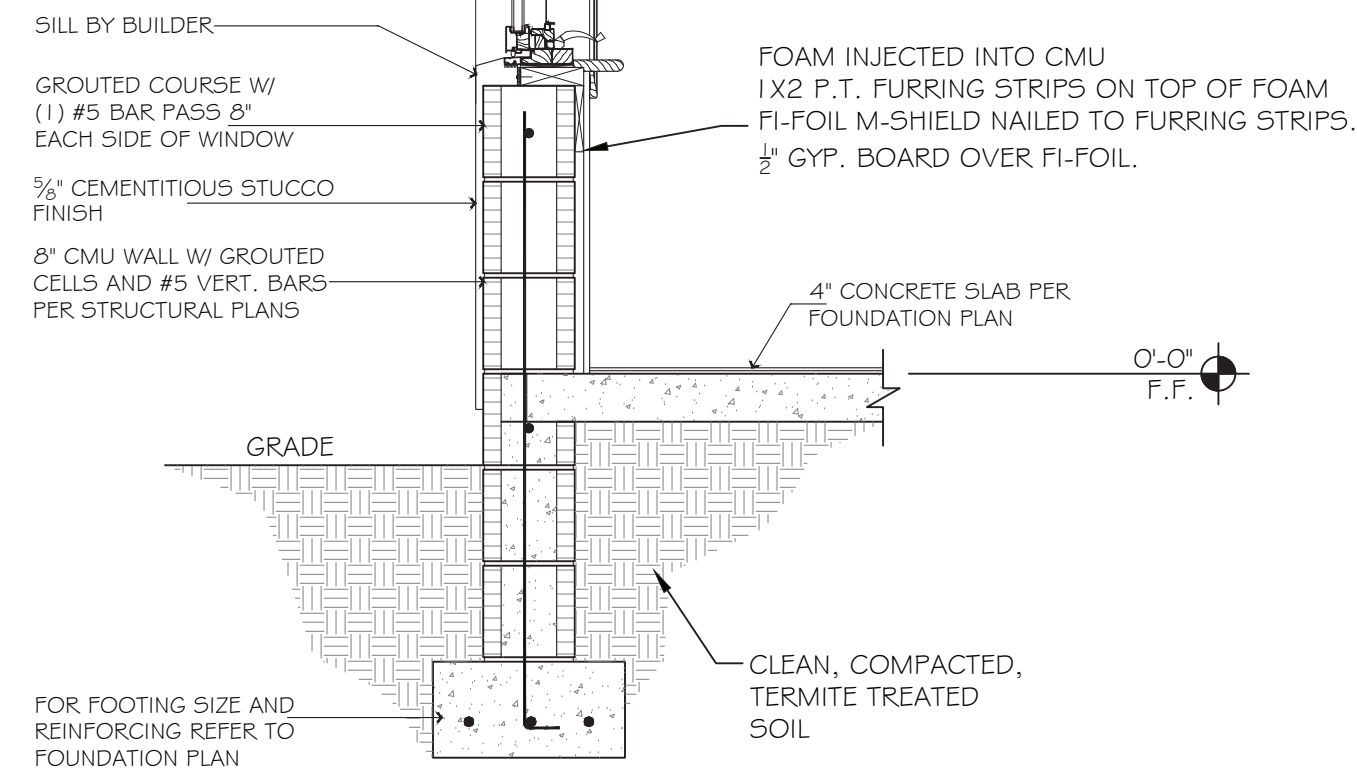
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SEE ELEVATIONS #
ROOF PLAN FOR
ROOF PITCH

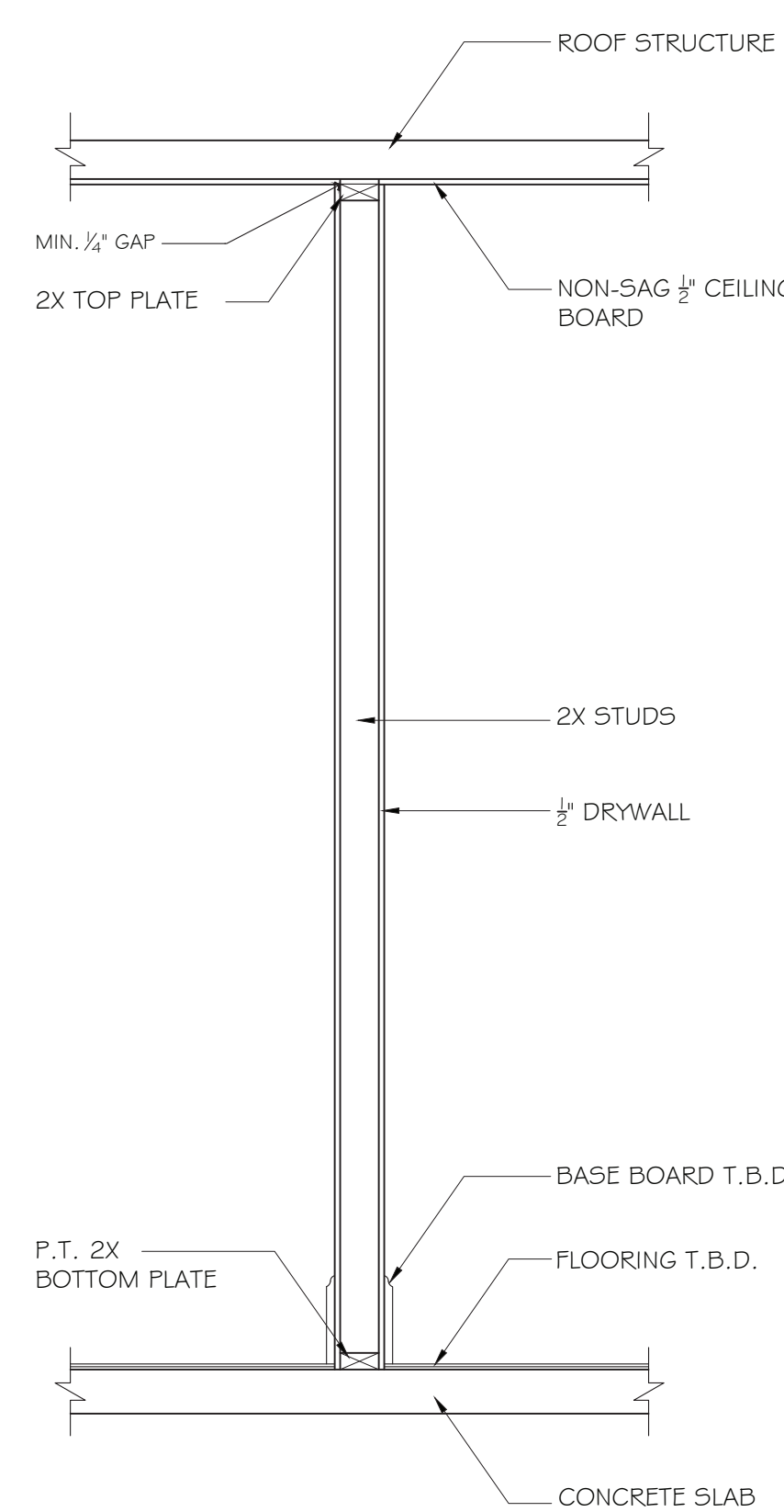


SEE PLAN FOR WINDOW TYPE AND SIZE FLASH AND MAKE WATERIGHT BY THE STANDARDS OF PRACTICE RECESS 2" (TYPICAL)



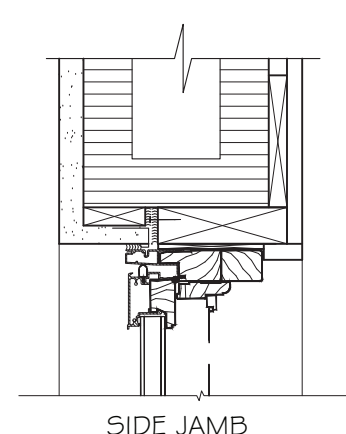
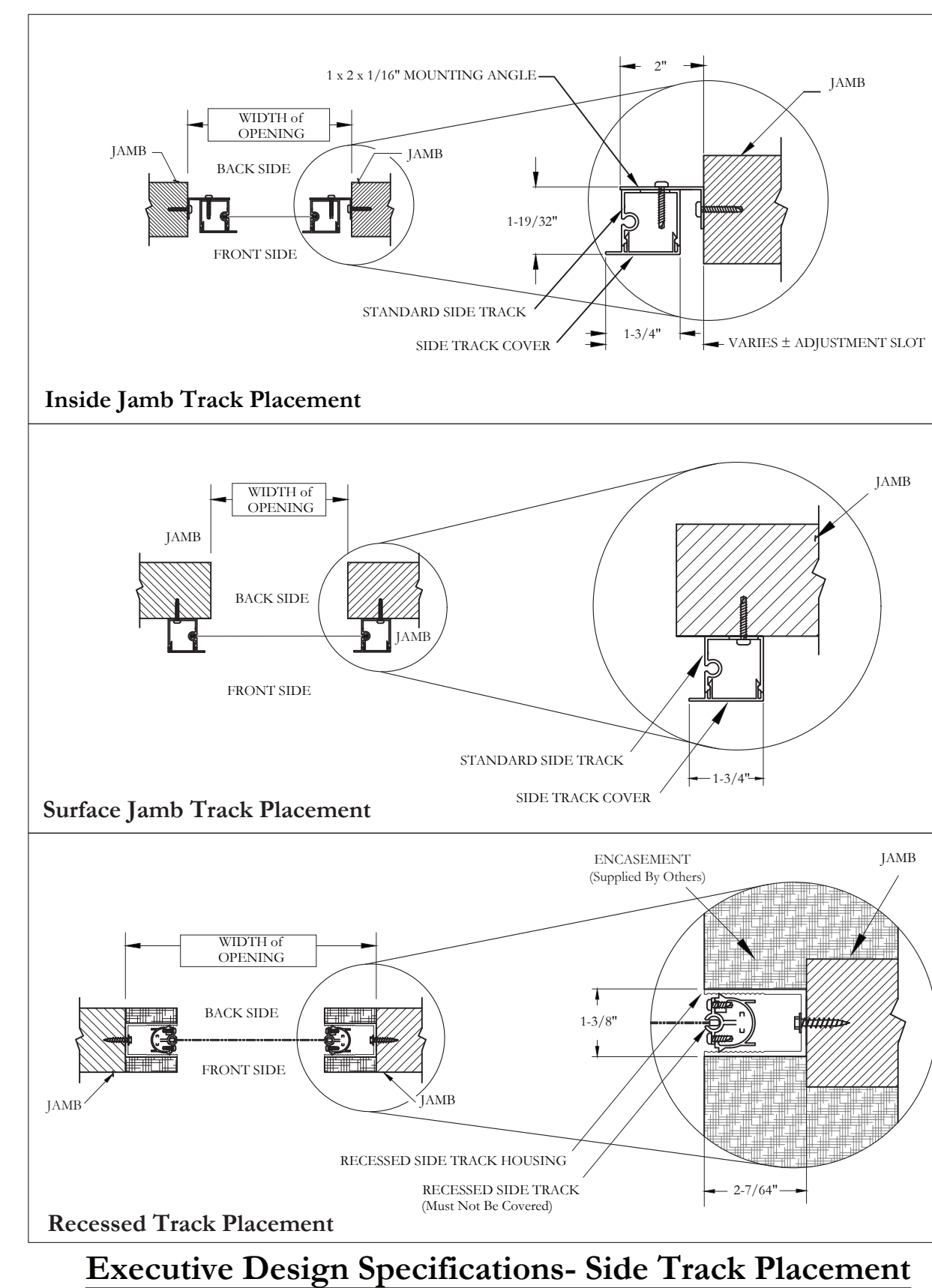
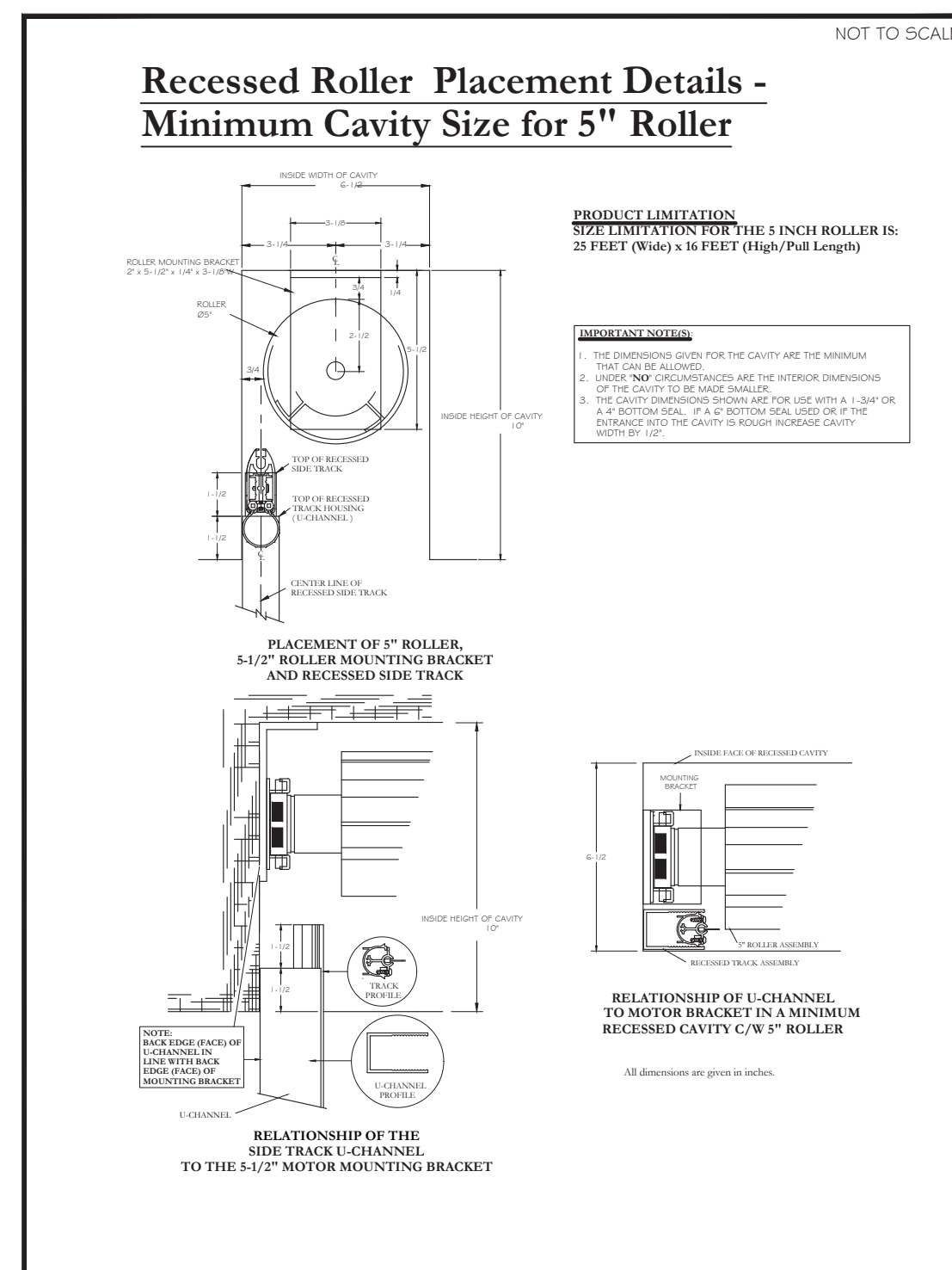
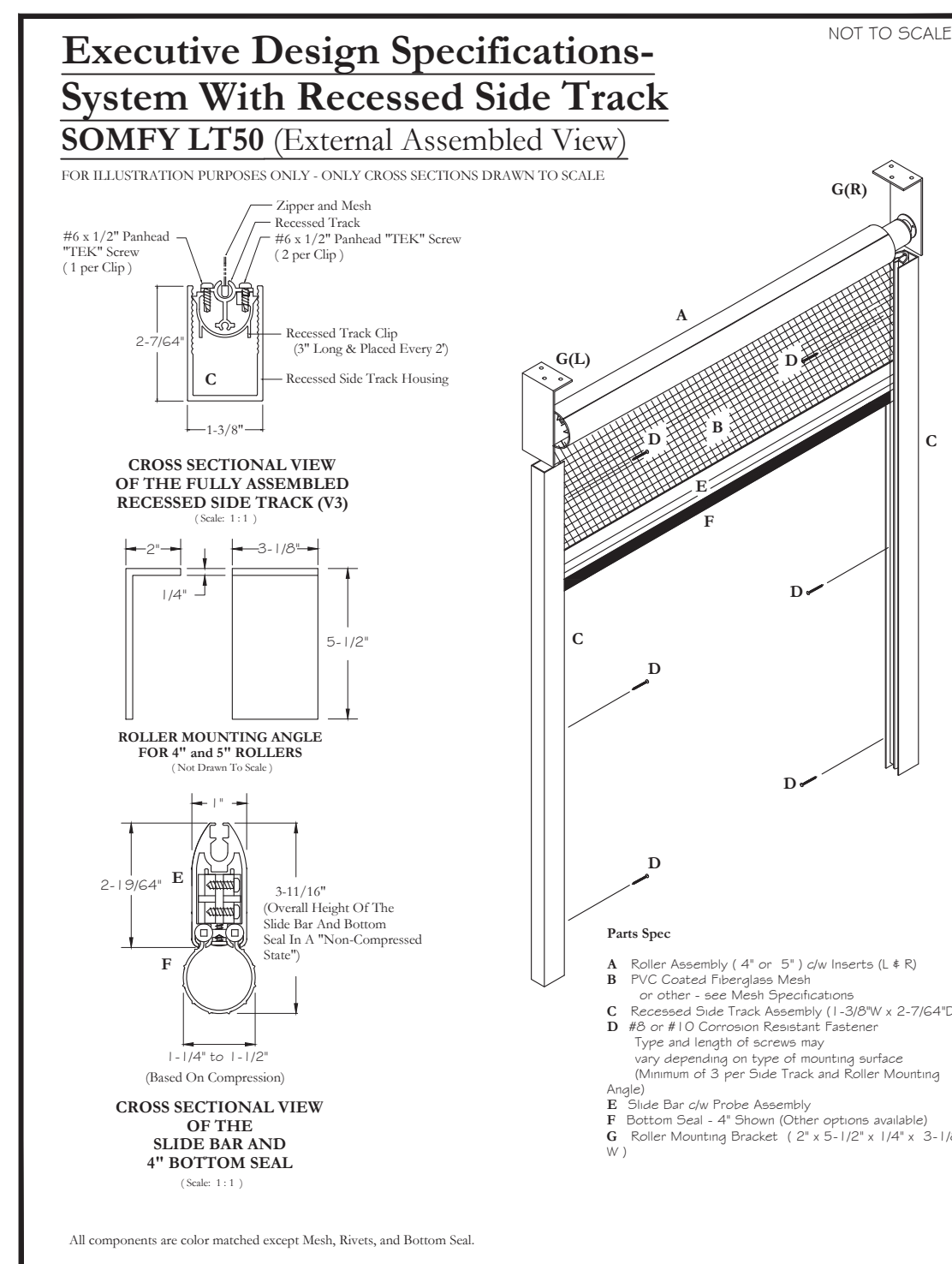
TYPICAL SINGLE STORY WALL SECTION

SCALE: 3/4" = 1'-0"



INTERIOR NON-BEARING WALL

SCALE: 3/4" = 1'-0"



PREPARATION OF WINDOW OPENING:

- INSTALL PRESSURE TREATED WOOD BUCK TO PERIMETER OF OPENING USING TAPCON 3/8" x 3 1/2" OR EQUAL PROVIDING 500 LBS. SHEAR STRENGTH WITHIN 6" FROM CORNERS & 12" ON CENTER.
- APPLY A CONTINUOUS BEAD OF CAULKING TO SEAL WOOD BUCK TO MASONRY OPENING.
- ENSURE THAT A CLEARANCE OF 1/4" PER SIDE IS LEFT FOR SHIMMING TO MASONRY OPENING.
- FILL VOID BETWEEN WINDOW AND BUCK WITH INSULATION BEING CAREFUL NOT TO BOW THE FRAME (BY OTHERS).
- WATER PROTECT FINIS AND MASONRY WITH NP-1 OR EQUAL COVERING FROM ALUMINUM CLAD TO MASONRY.
- WATERPROOF MASONRY SILL AND UP SIDES 6" WITH SELF LEVELING URETHANE.
- LEAVE 1/4" GAP BETWEEN EXTERIOR OF WINDOW AND FINISH MATERIALS FOR CAULK JOINT TO ALLOW FOR MATERIAL EXPANSION.

INSTALLATION OF WINDOW:

REFER TO INSTALLATION INSTRUCTIONS FOR THE SPECIFIC PRODUCT BEING INSTALLED.

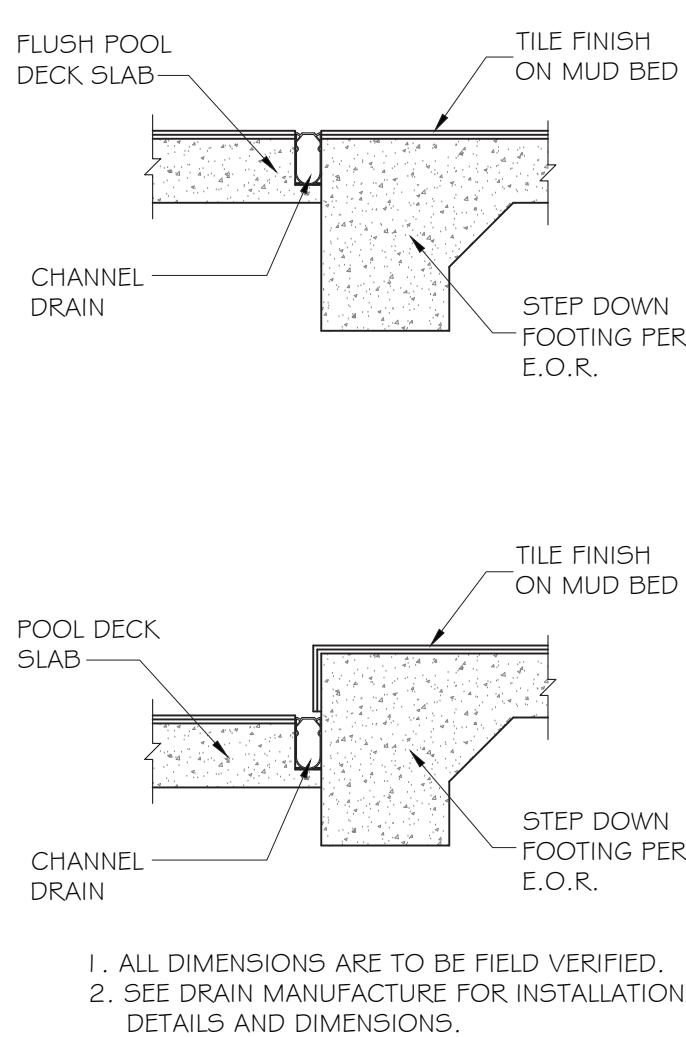
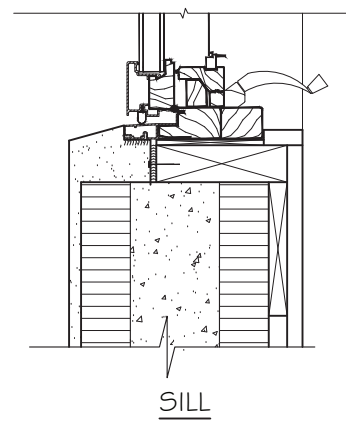
SET WINDOW IN OPENING, SHIMMING, LEVELING AND SQUARING TO ENSURE PROPER OPERATION.

INSTALL #4 W/ W/ER HEAD OR S.M.S. 1 1/4" OR WOOD SCREW THROUGH ALL PREDRILLED HOLES IN THE INSTALLATION FIN TO SECURE UNIT.

ENSURE THAT THE INSTALLATION FIN IS SEALED TO THE WOOD 2 X BUCK WITH A CONTINUOUS BEAD OF CAULKING.

FILL VOID BETWEEN WINDOW AND BUCK WITH INSULATION BEING CAREFUL NOT TO BOW THE FRAME (BY OTHERS).
- WATER PROTECT FINIS AND MASONRY WITH NP-1 OR EQUAL COVERING FROM ALUMINUM CLAD TO MASONRY.
- WATERPROOF MASONRY SILL AND UP SIDES 6" WITH SELF LEVELING URETHANE.
- LEAVE 1/4" GAP BETWEEN EXTERIOR OF WINDOW AND FINISH MATERIALS FOR CAULK JOINT TO ALLOW FOR MATERIAL EXPANSION.

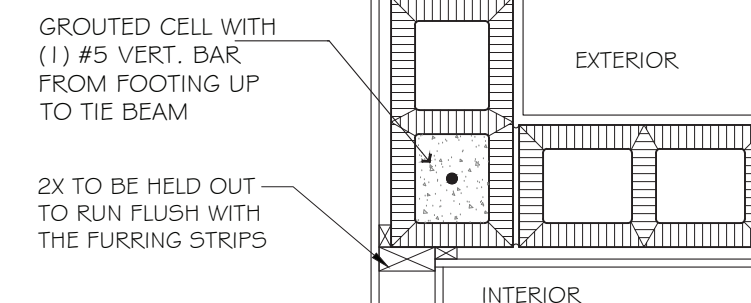
WINDOW DETAIL COMPOSITE FRAME WINDOW N.T.S. - DRYWALL RETURNS



CHANNEL DRAIN DETAILS

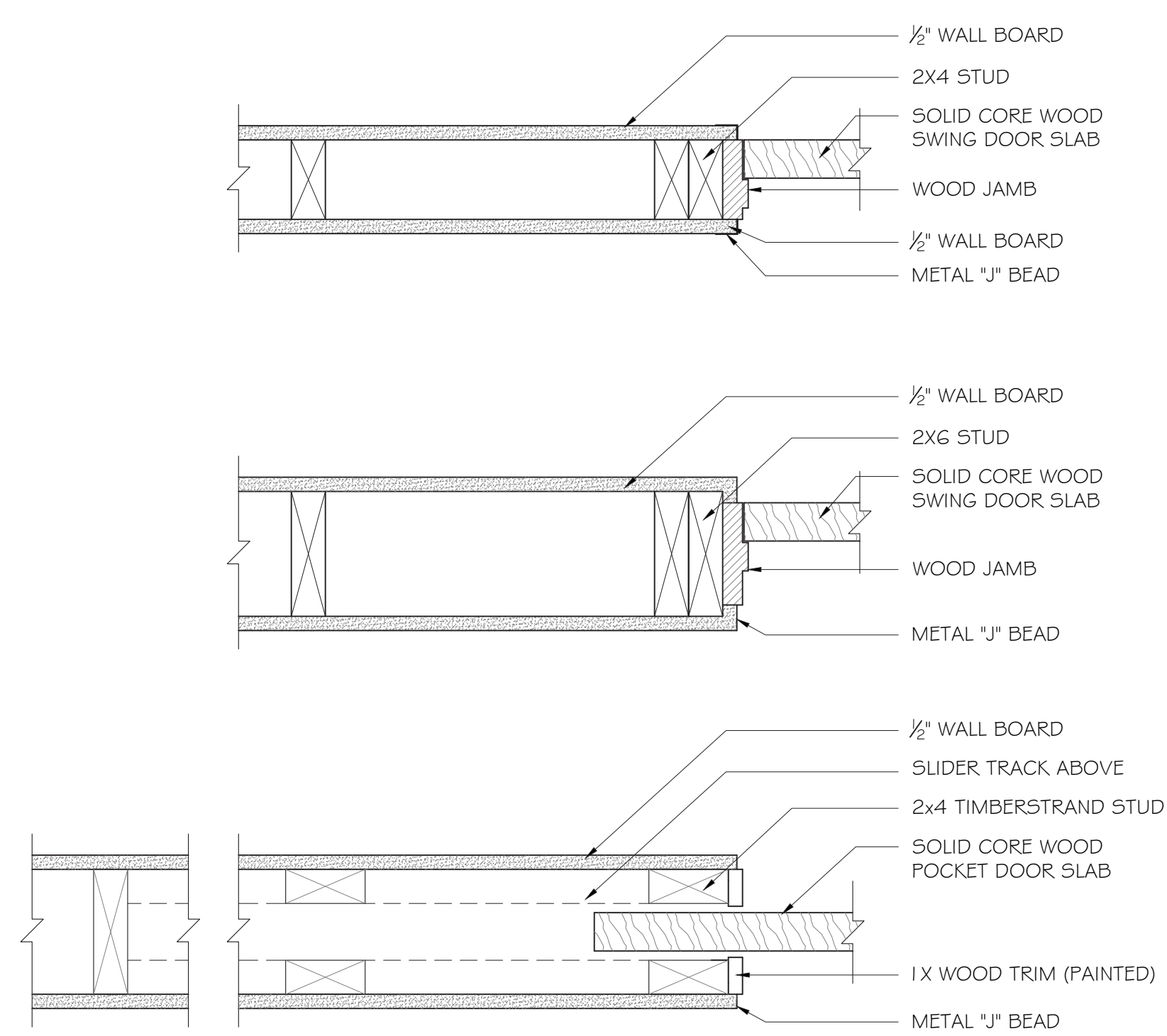
SCALE: 1" = 1'-0"

1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED.
2. SEE DRAIN MANUFACTURE FOR INSTALLATION DETAILS AND DIMENSIONS.



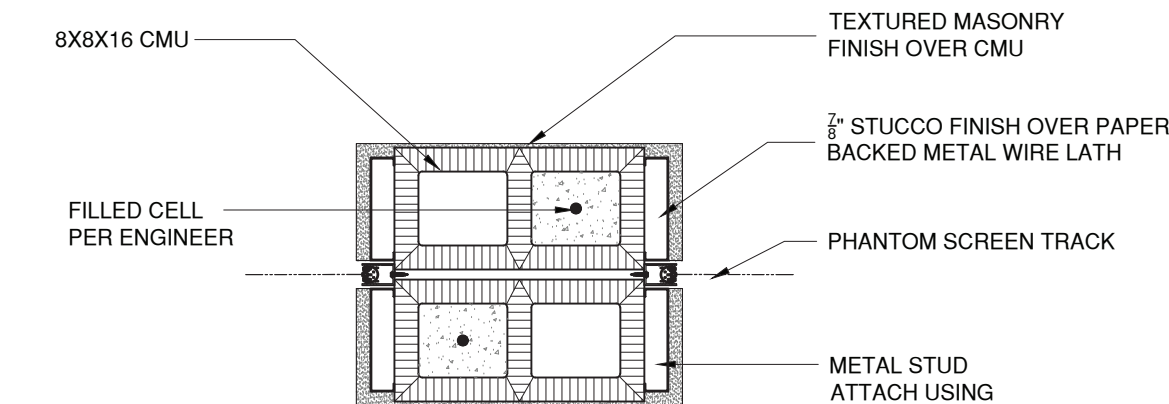
INTERIOR CORNER DETAIL

N.T.S.



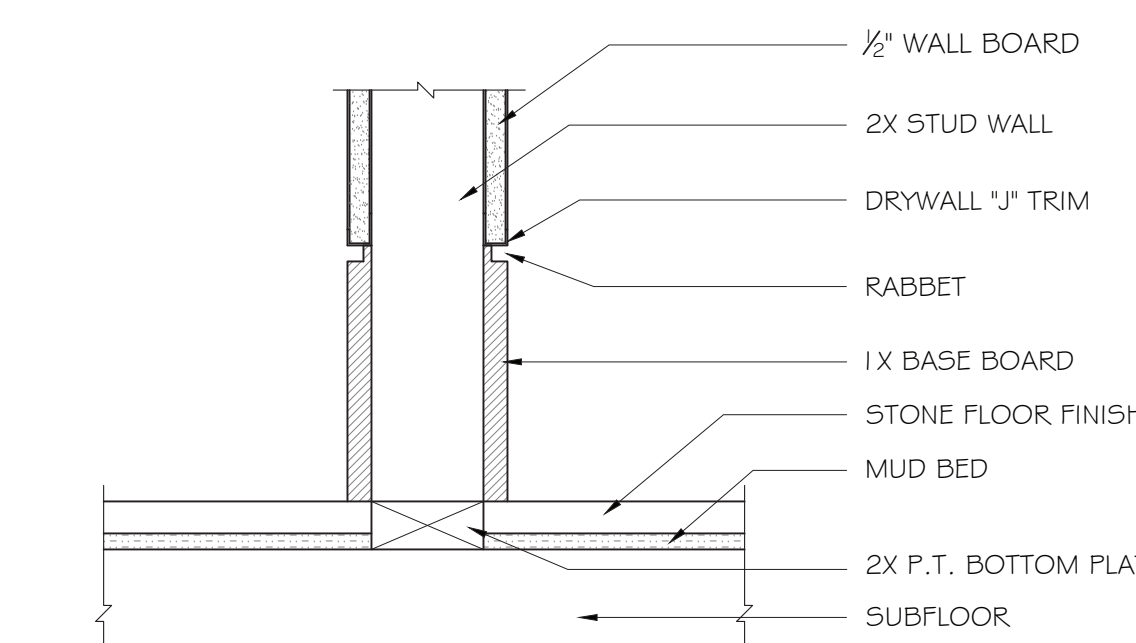
INTERIOR DOOR JAMB FINISH DETAIL

NOT TO SCALE



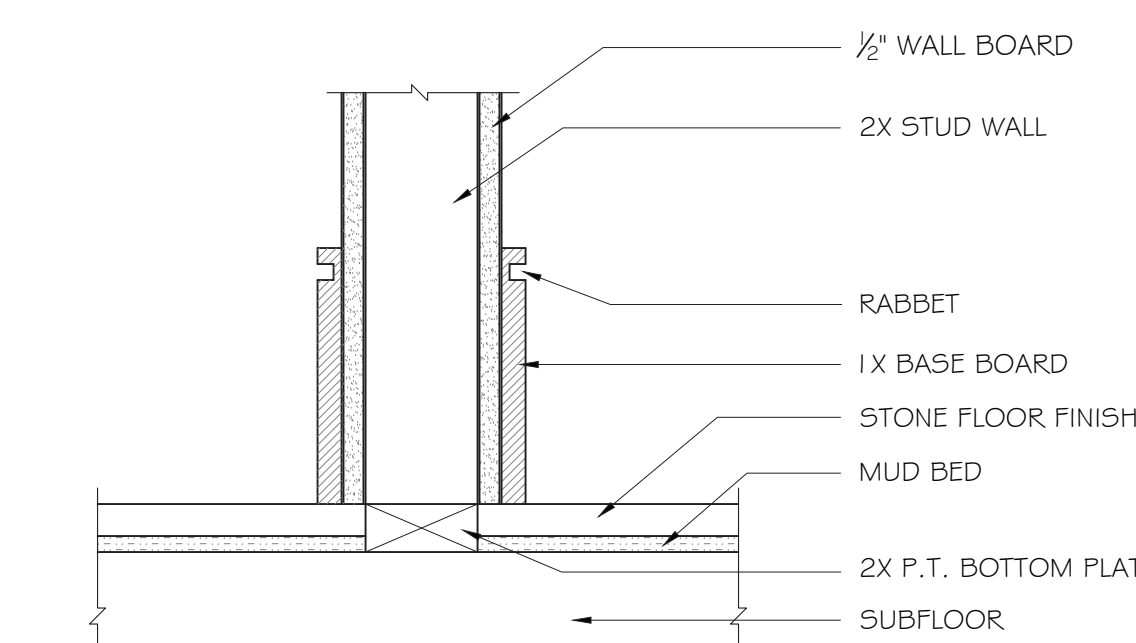
RECESSED TRACK PLACEMENT DETAIL - IN 1 1/2" CMU COLUMN W/ STUCCO / T.M.F.

SCALE: 1" = 1'-0"



BASE BOARD DETAIL " A "

NOT TO SCALE



BASE BOARD DETAIL " B "

NOT TO SCALE

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REVISIONS

BY

LUCIA DESIGNS
RESIDENTIAL DESIGN
eng@luciadesigns.com
TEL: 407-402-3497

Lucia

CUSTOM DESIGN FOR THE:
ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

DATE:

SCALE: NOTED

DRAWN: EML

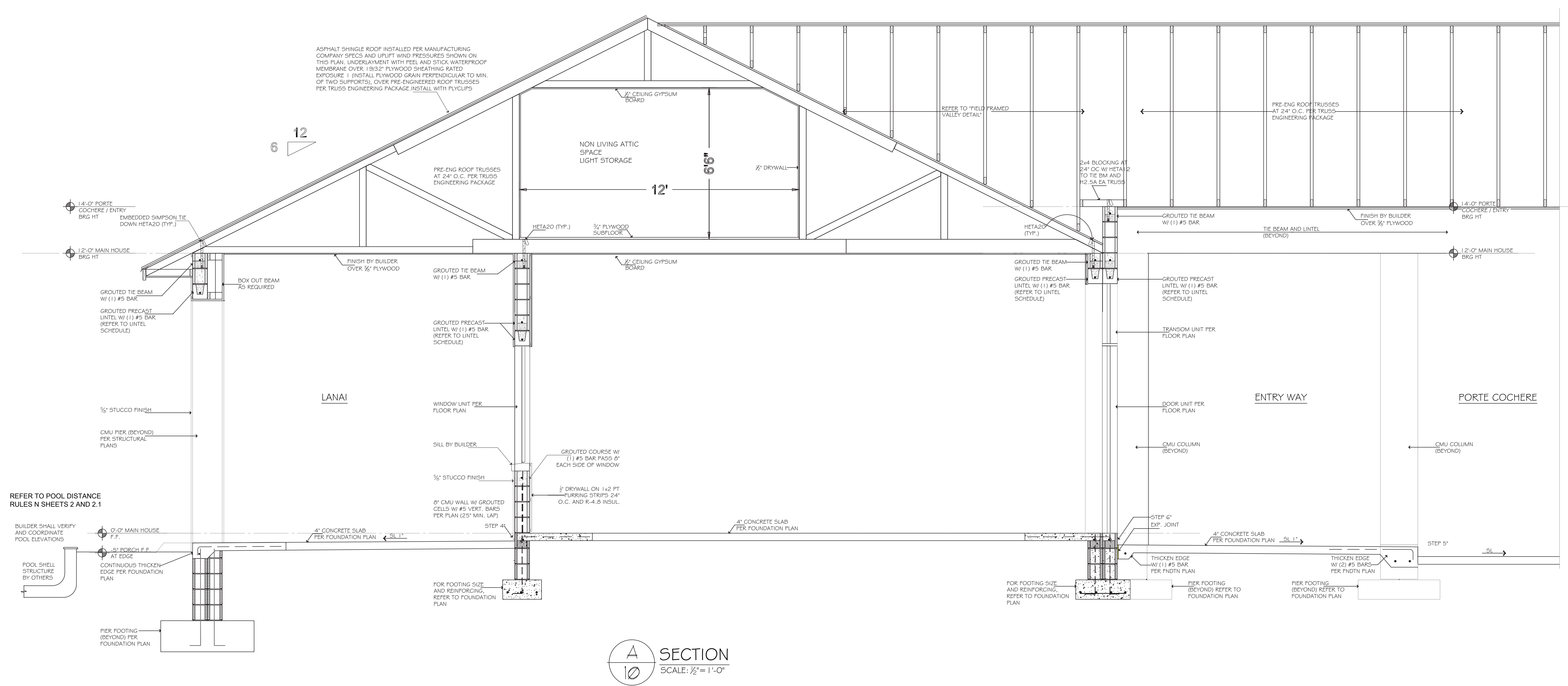
JOB:

SHEET **9**

OF SHEETS

REVISIONS BY

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CUSTOM DESIGN FOR THE:
ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

DATE:
SCALE: NOTED
DRAWN: EML
JOB:
SHEET
10
OF SHEETS

| REVISIONS | BY |
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LUCIA DESIGNS
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Lucia

THESE DETAILS ARE GENERIC AND MEANT TO SHOW GENERAL FLASHING AND WATERPROOFING METHODS TO BE USED. CONTRACTOR IS TO USE APPROPRIATE TECHNIQUES FOR LOCAL BUILDING PRACTICES AND CLIMATE.

SELF-ADHERED FLASHING PRODUCTS DETAILS

TWO LAYERS OF FELT OR ONE LAYER OF HOUSE WRAP AND ONE LAYER OF FELT ARE REQUIRED BEHIND STUCCO. FBC R703.2.1

Detail Instructions
Refer to the number marked (1) through (8) in each detail that corresponds to the numbered items in the list of instructions below:

1. Install self-adhered flashing in order as shown by numbers
2. Install flashing and weather resistive barrier to form water shedding laps
3. Self-adhered flashing can be substituted for building paper
4. Split the release paper using the nprocd (Split release on demand, embedded in the adhesive layer) - for ease of installation and to minimize scoring cuts
5. Remove all release paper per standard installation instructions and adhere to substrate using a square piece of flashing material (6" x 6" Minimum)
6. Fold as shown by arrows
7. Angle of corner may vary, adjust folding of the flashing accordingly to fit tight to corner
8. Mechanically fasten as necessary

FLASHING REQUIREMENTS

R703.2 Weather-resistant sheathing paper. One layer of No. 15 asphalt felt, free from holes and breaks, comply with ASTM D 226 for Type 1 felt or other approved water-resistive barrier shall be applied over studs or sheathing of all exterior walls. Such felt or material shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches (51 mm). Where joints occur, felt shall be lapped not less than 6 inches (152 mm). The felt or other approved material shall be continuous to the top of walls and terminated at penetrations and building appendages in a manner to meet the requirements of the exterior wall envelope as described in Section R703.1.

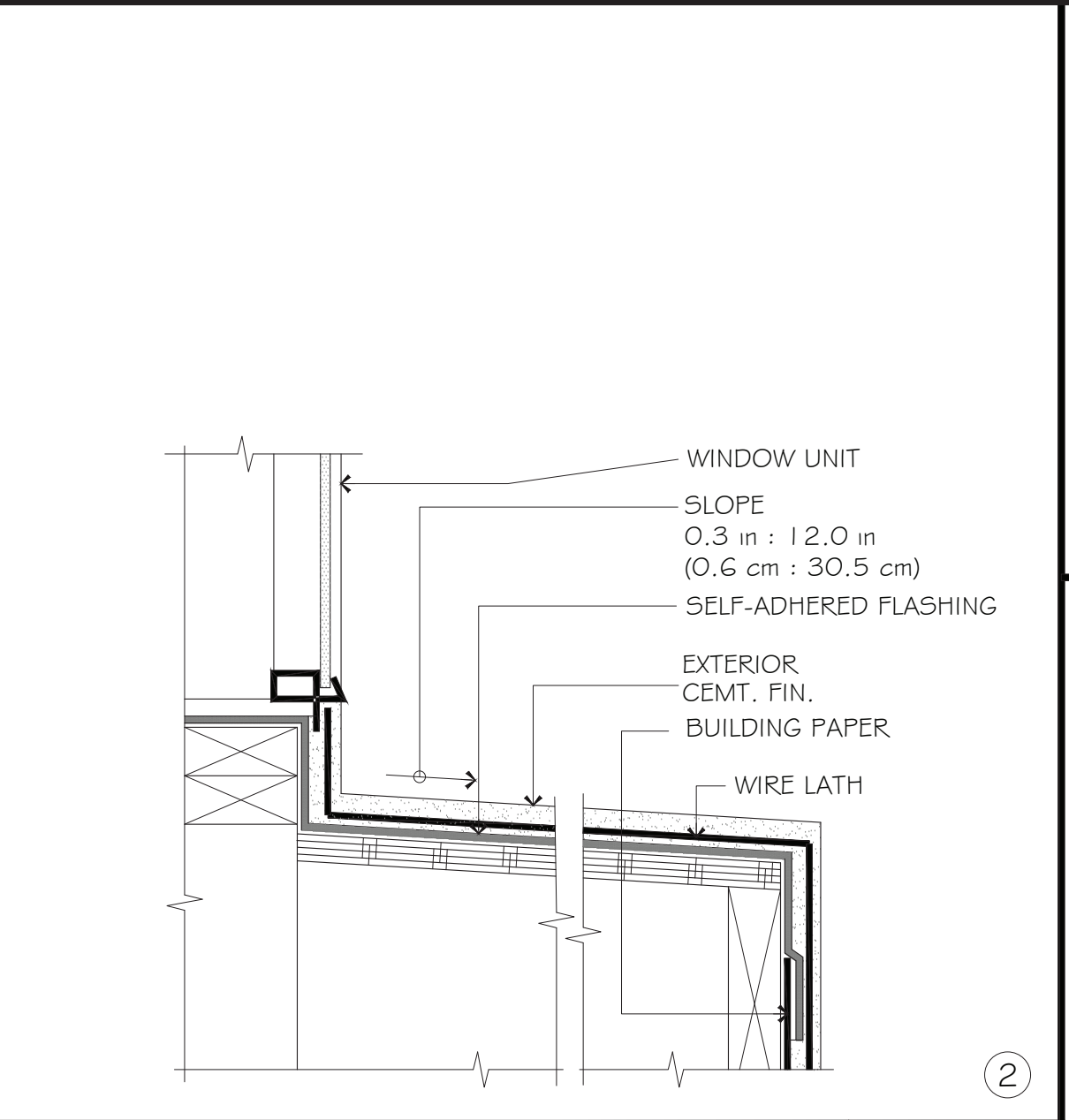
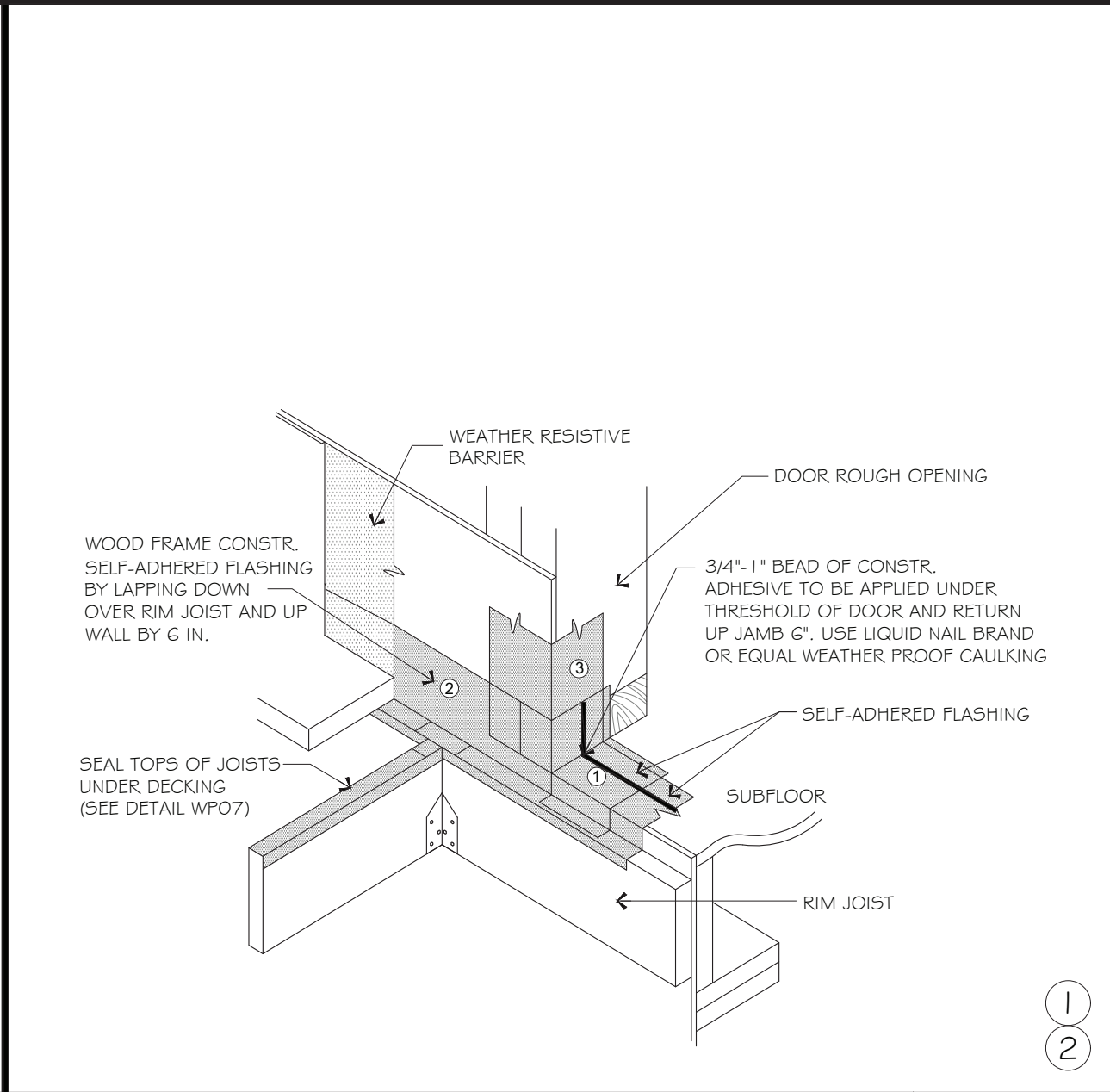
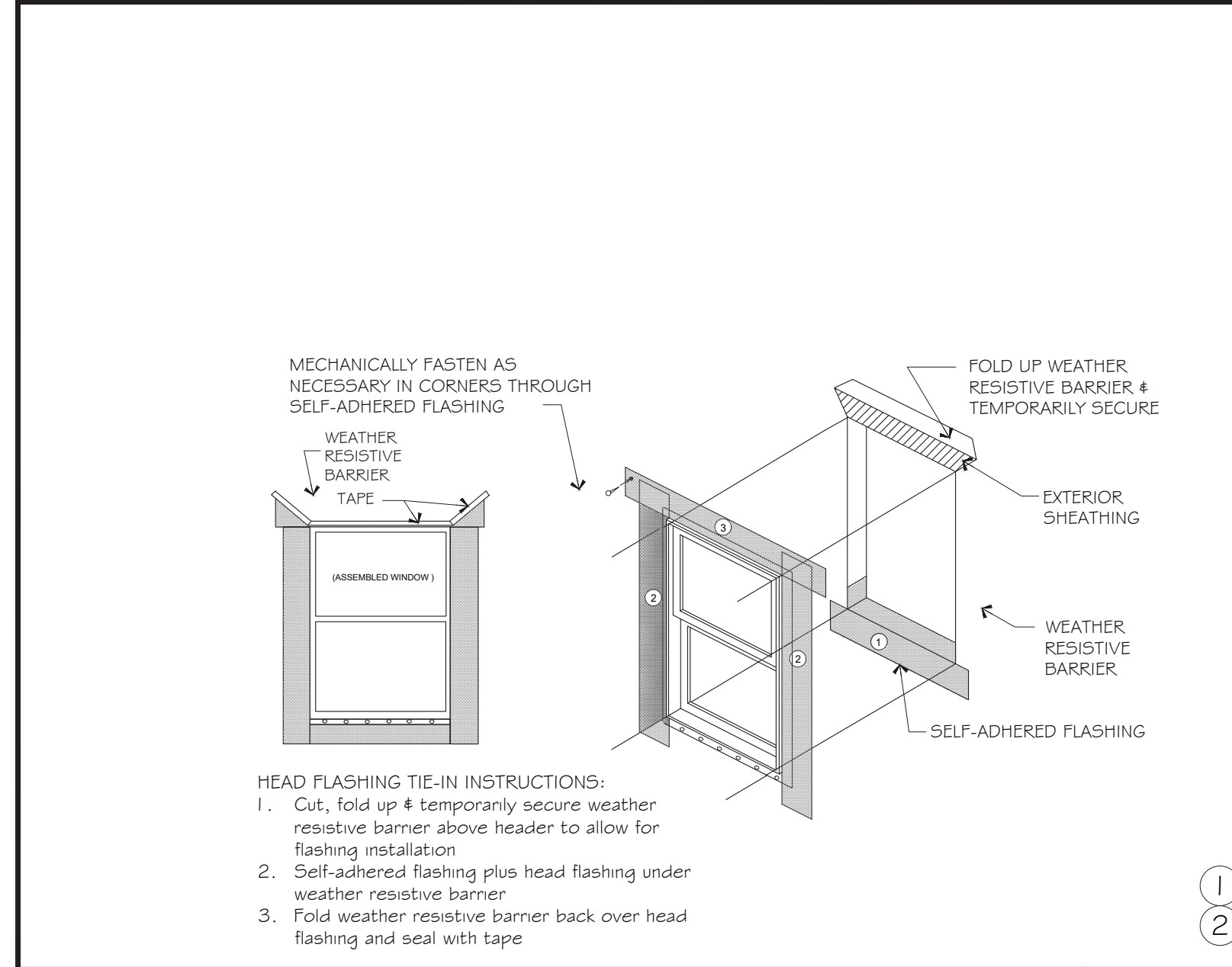
Exception: Omission of the water-resistive barrier is permitted in the following situations:

1. In detached accessory buildings.
2. Under wall finish materials as permitted in Table R703.4.

R703.8 Flashing. Approved corrosion-resistant flashing shall be applied shingle-fashion in a manner to prevent entry of water into the wall cavity or penetration of water to the building structural framing components. Self-adhered membranes used as flashing shall comply with AAMA 711. The flashing shall extend to the surface of the exterior wall finish. Approved corrosion-resistant flashing shall be installed at all of the following locations:

1. Exterior window and door openings. Flashing at exterior window and door openings shall extend to the surface of the exterior wall finish or to the water-resistive barrier for subsequent drainage. Flashing at exterior window and door openings shall be installed in accordance with one or more of the following or other approved method:
 - 1.1 The fenestration manufacturer's written flashing instructions.
 - 1.2 The flashing manufacturer's written installation instructions.
 - 1.3 In accordance with FMA/AAMA 100, FMA/AAMA 200, or FMA/AAMA 250.
 - 1.4 In accordance with the flashing method of a registered design professional.
2. At the intersection of chimneys or other masonry construction with frame or stucco walls, with projecting lips on both sides under stucco copings.
3. Under and at the ends of masonry, wood or metal copings and sills.
4. Continuously above all projecting wood trim.
5. Where exterior porches, decks or stairs attach to a wall or floor assembly of wood-frame construction.
6. At wall and roof intersections.
7. At built-in gutters.

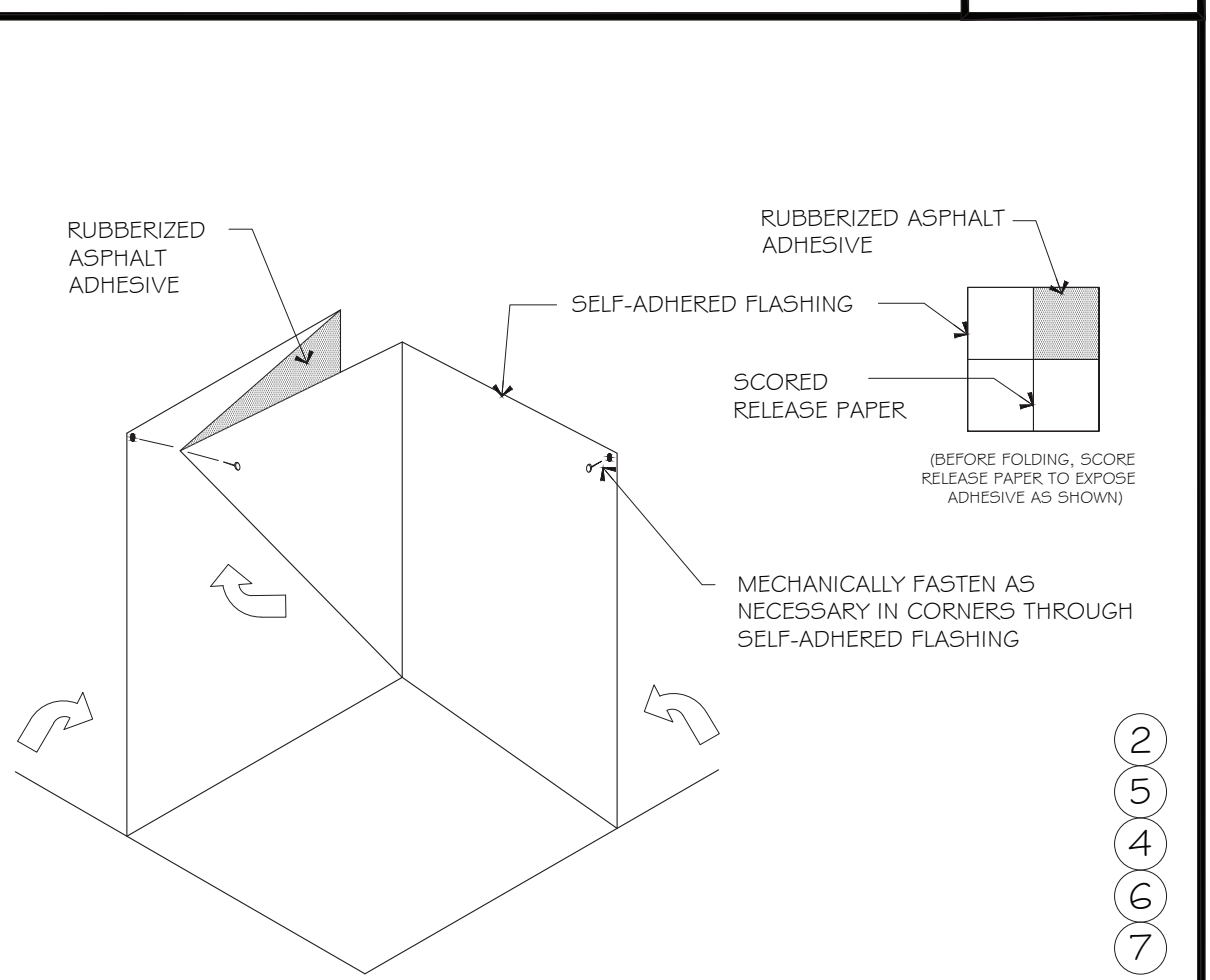
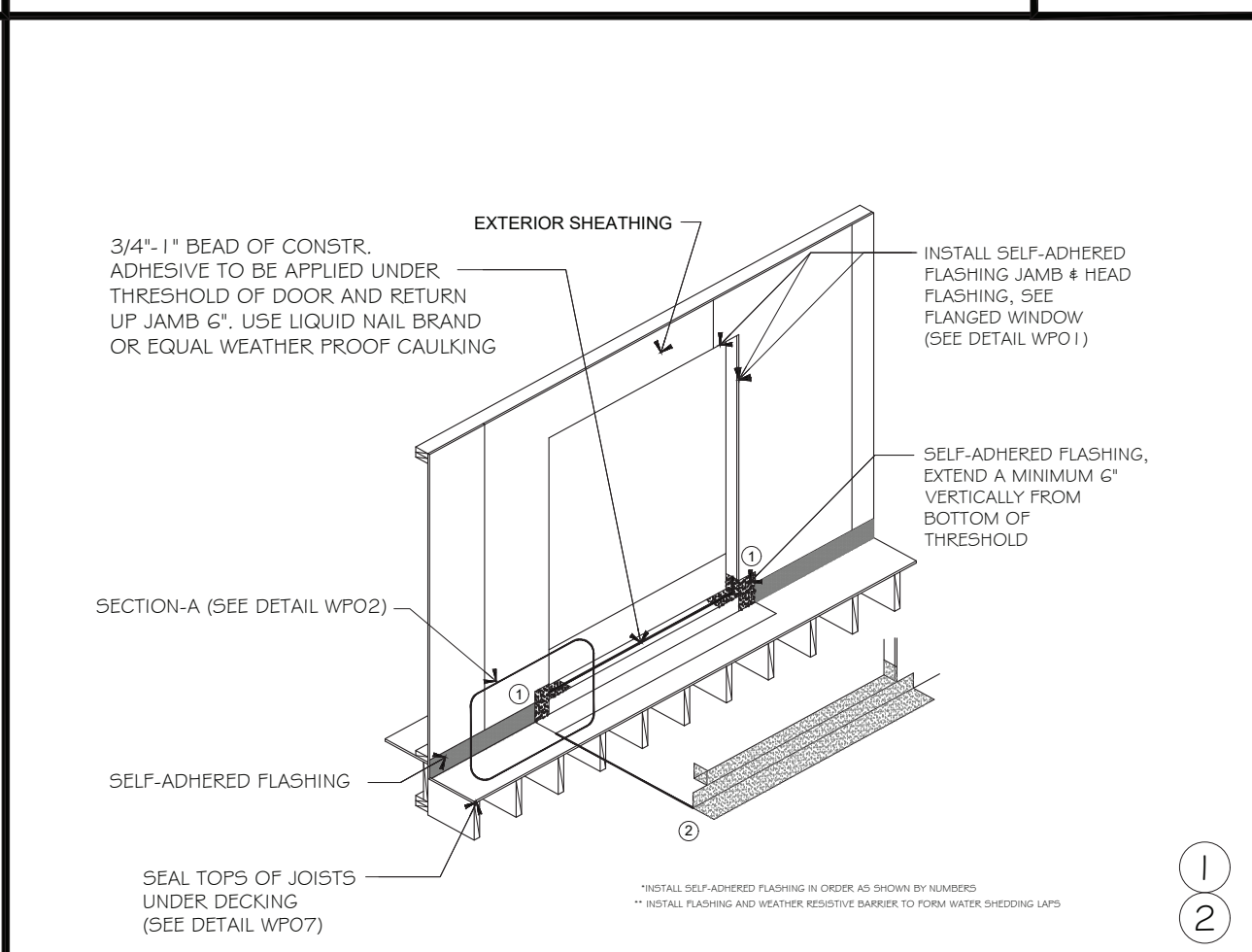
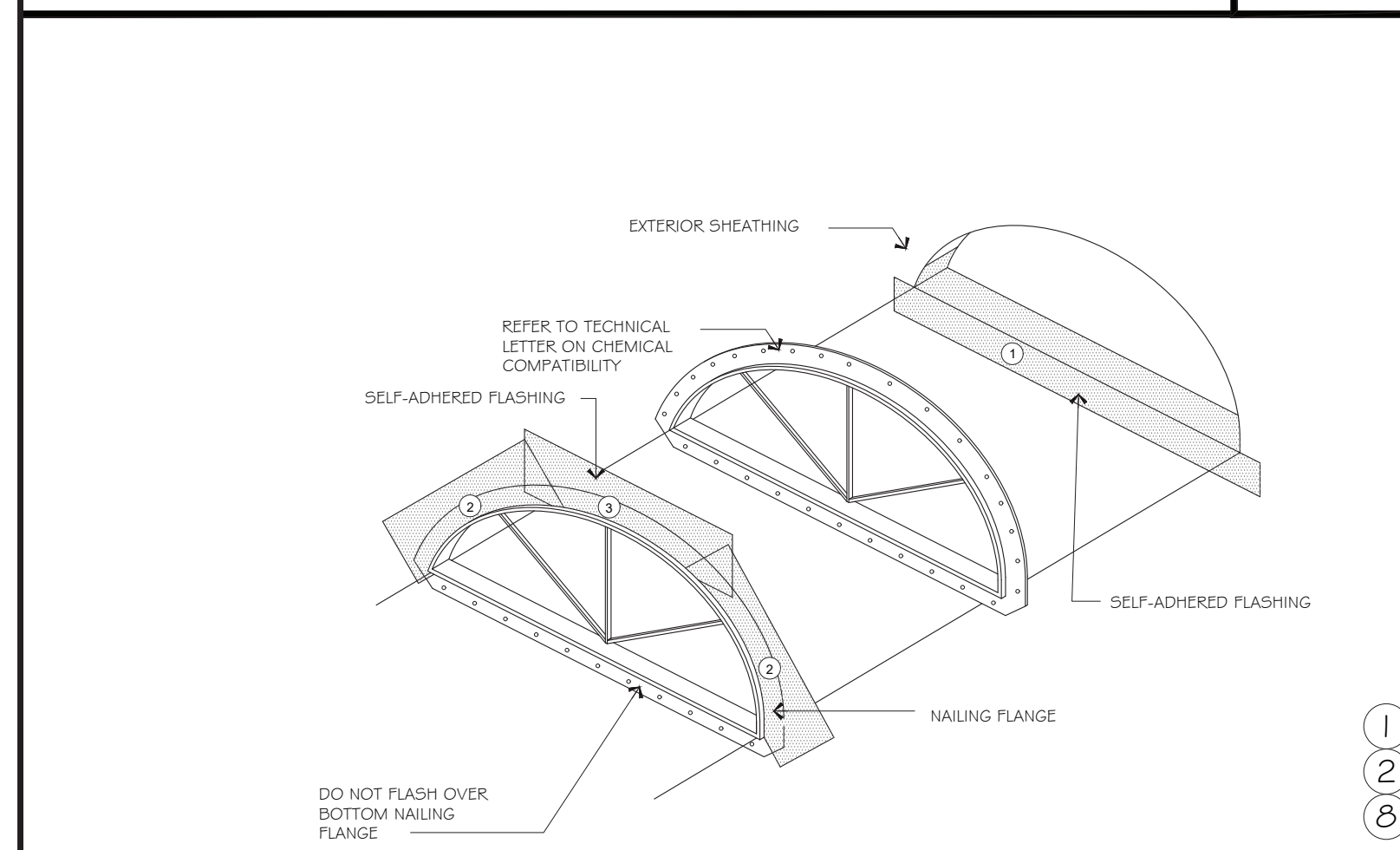
R703.15 Drained assembly wall over mass assembly wall. Where wood frame or other types of drained wall assemblies are constructed above mass wall assemblies, flashing or other approved drainage system shall be installed as required by R703.8.



SELF-ADHERED FLASHING FLASHING INSTALLATION AFTER WEATHER RESISTIVE BARRIER WPO1

SELF-ADHERED FLASHING EXTERIOR DOOR WITH DECK - SECTION A WPO2

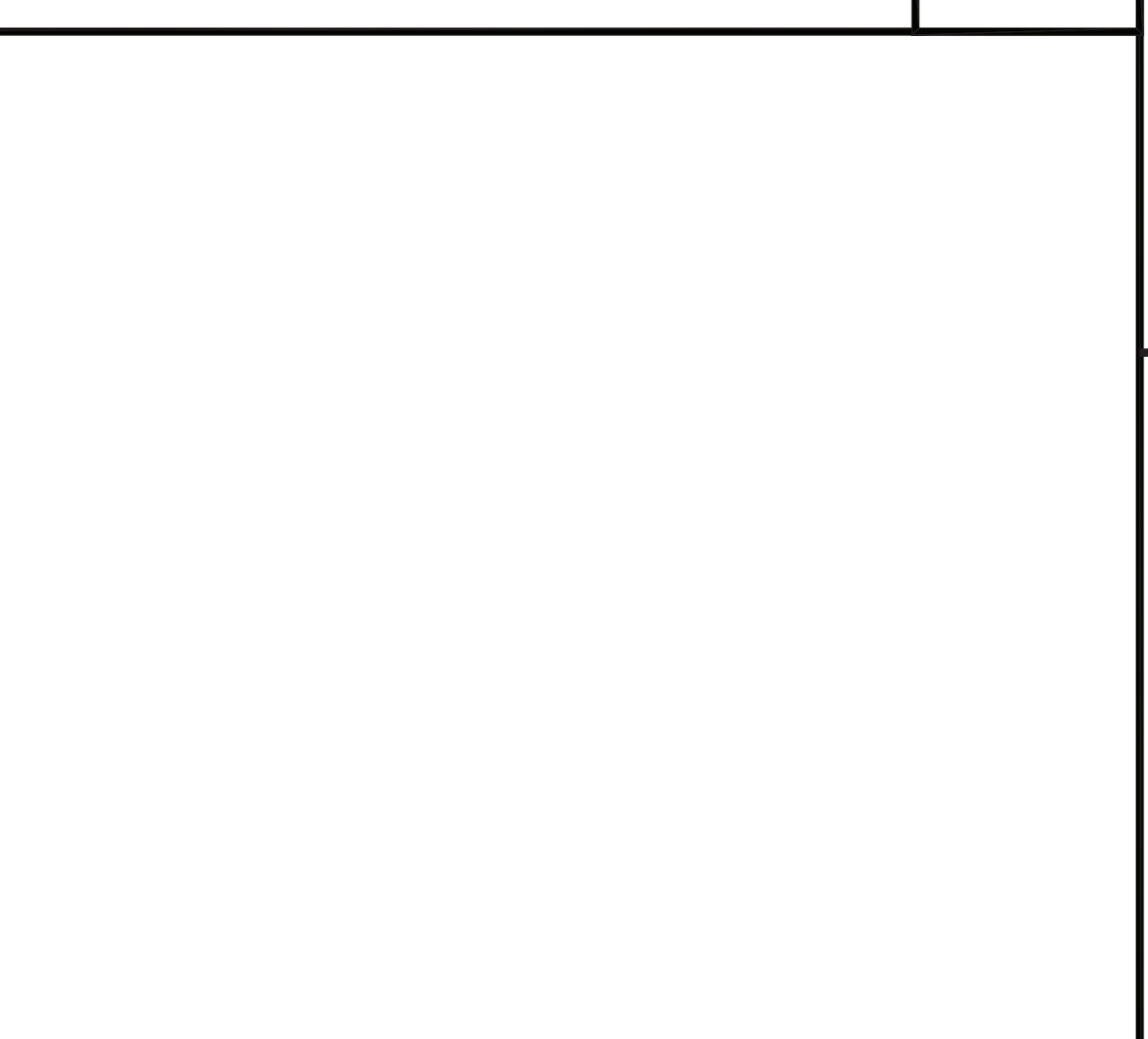
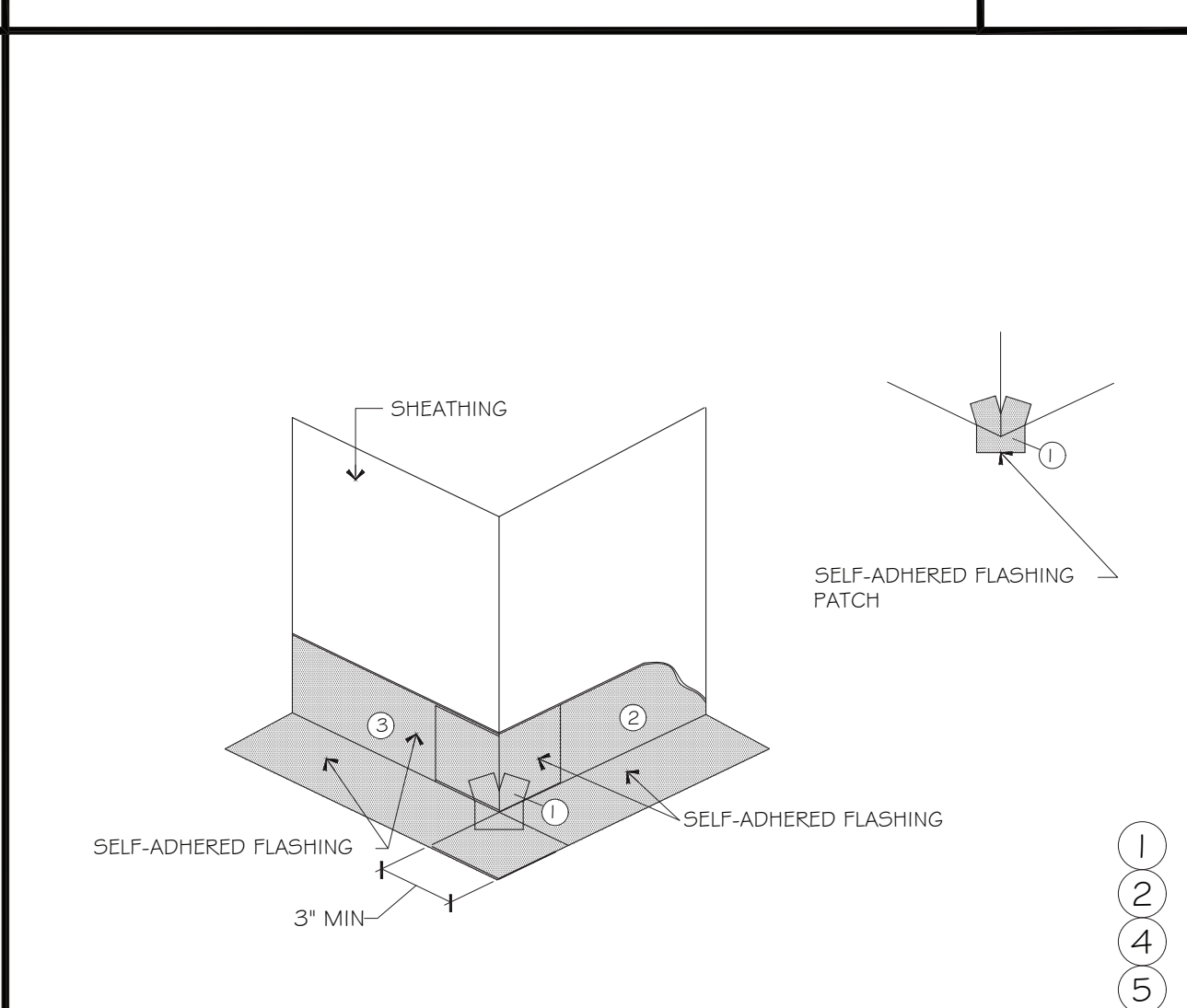
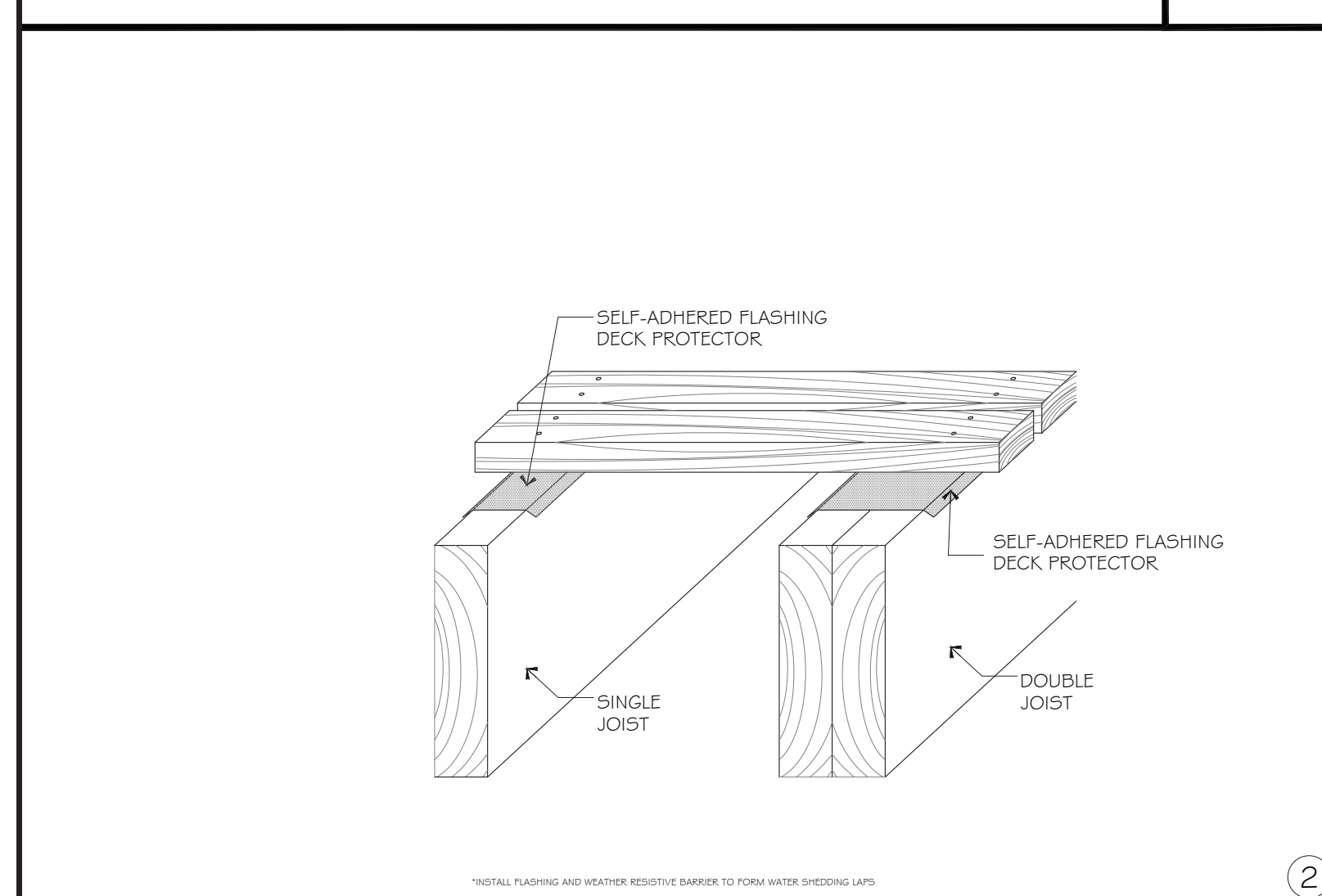
SELF-ADHERED FLASHING CEMENT FINISH SILLS/POTSHELF/CHIMNEY SHOULDER WPO3



SELF-ADHERED FLASHING HALF ROUND WINDOW WPO4

SELF-ADHERED FLASHING EXTERIOR DOOR WITH DECK WPO5

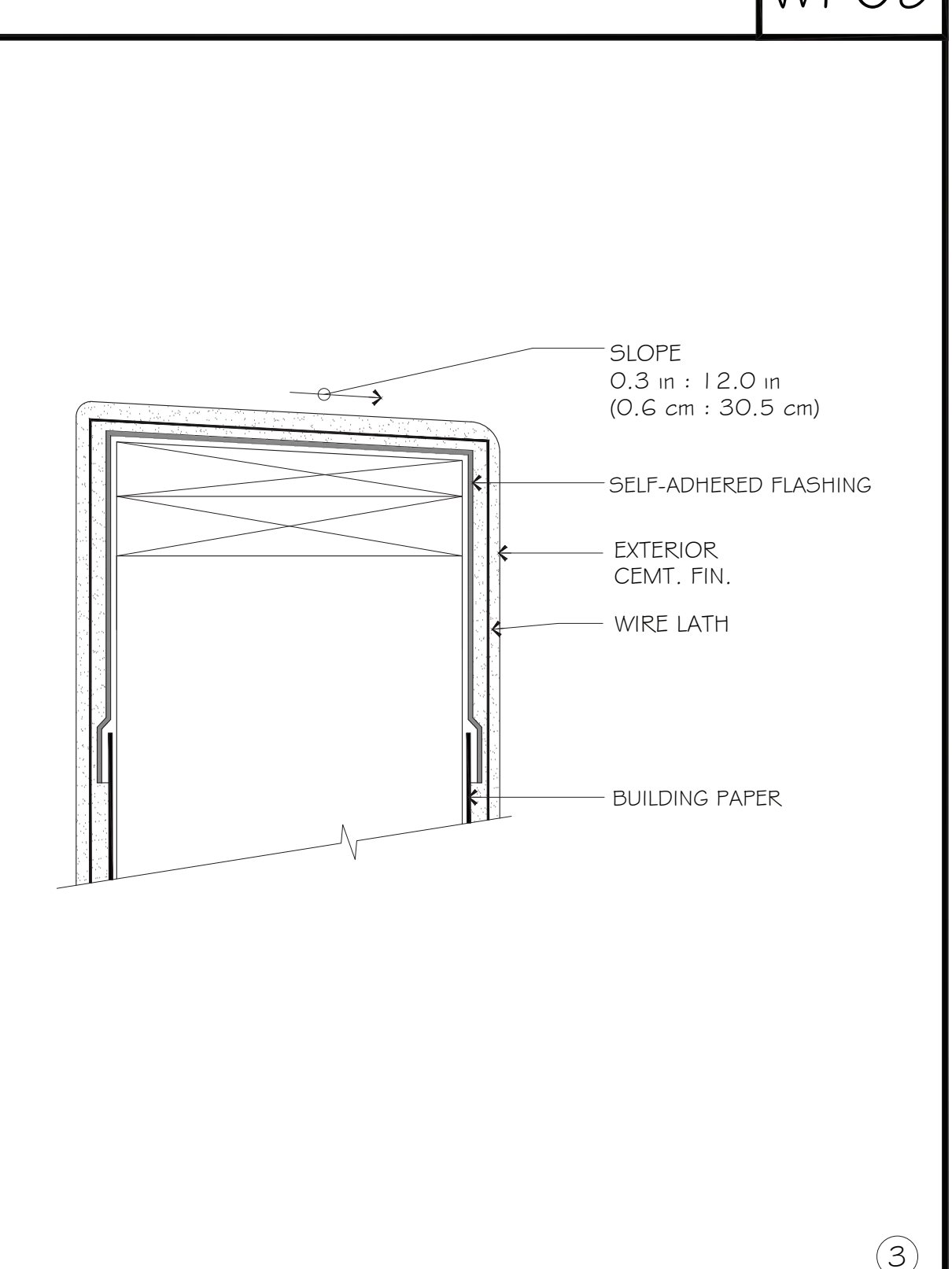
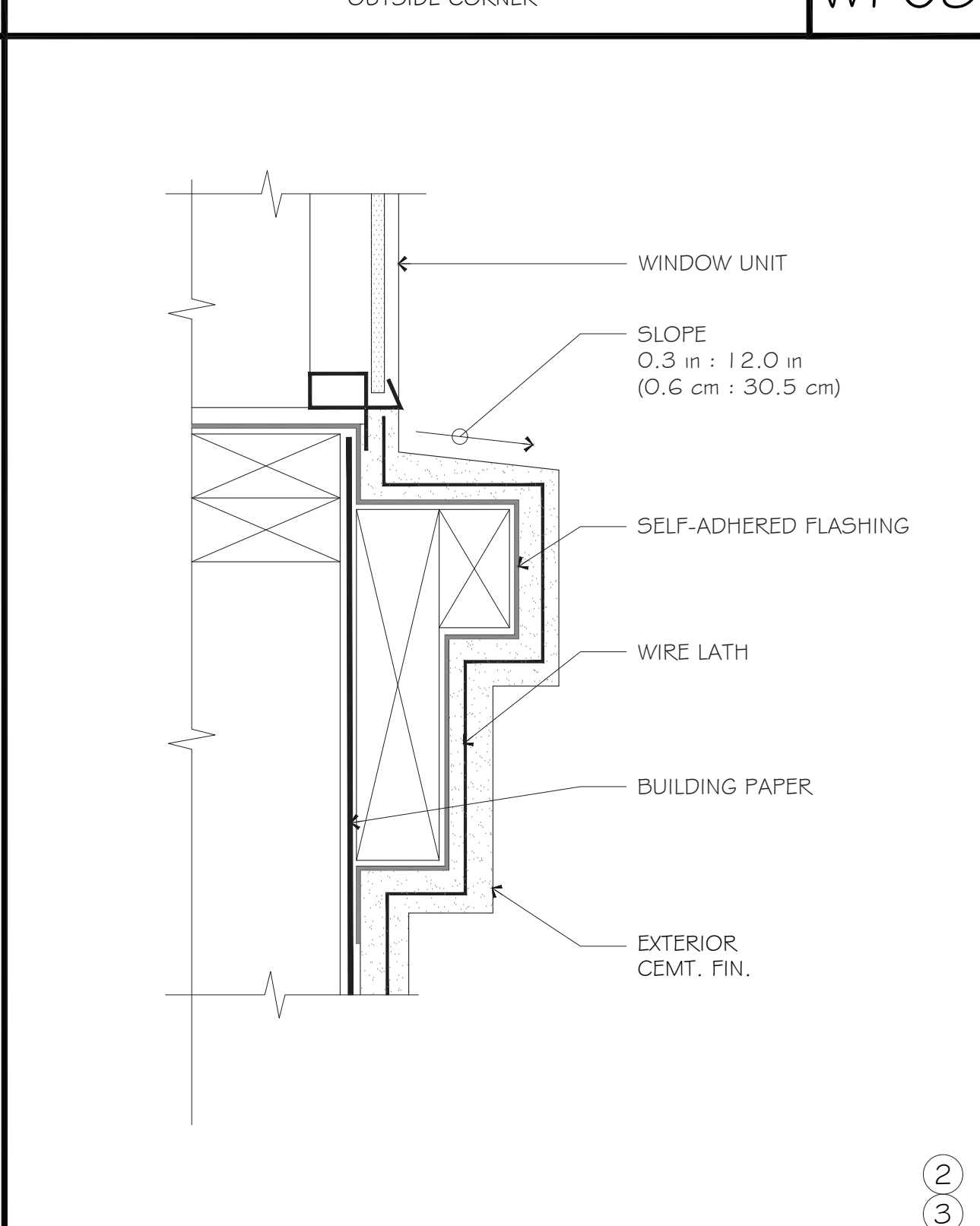
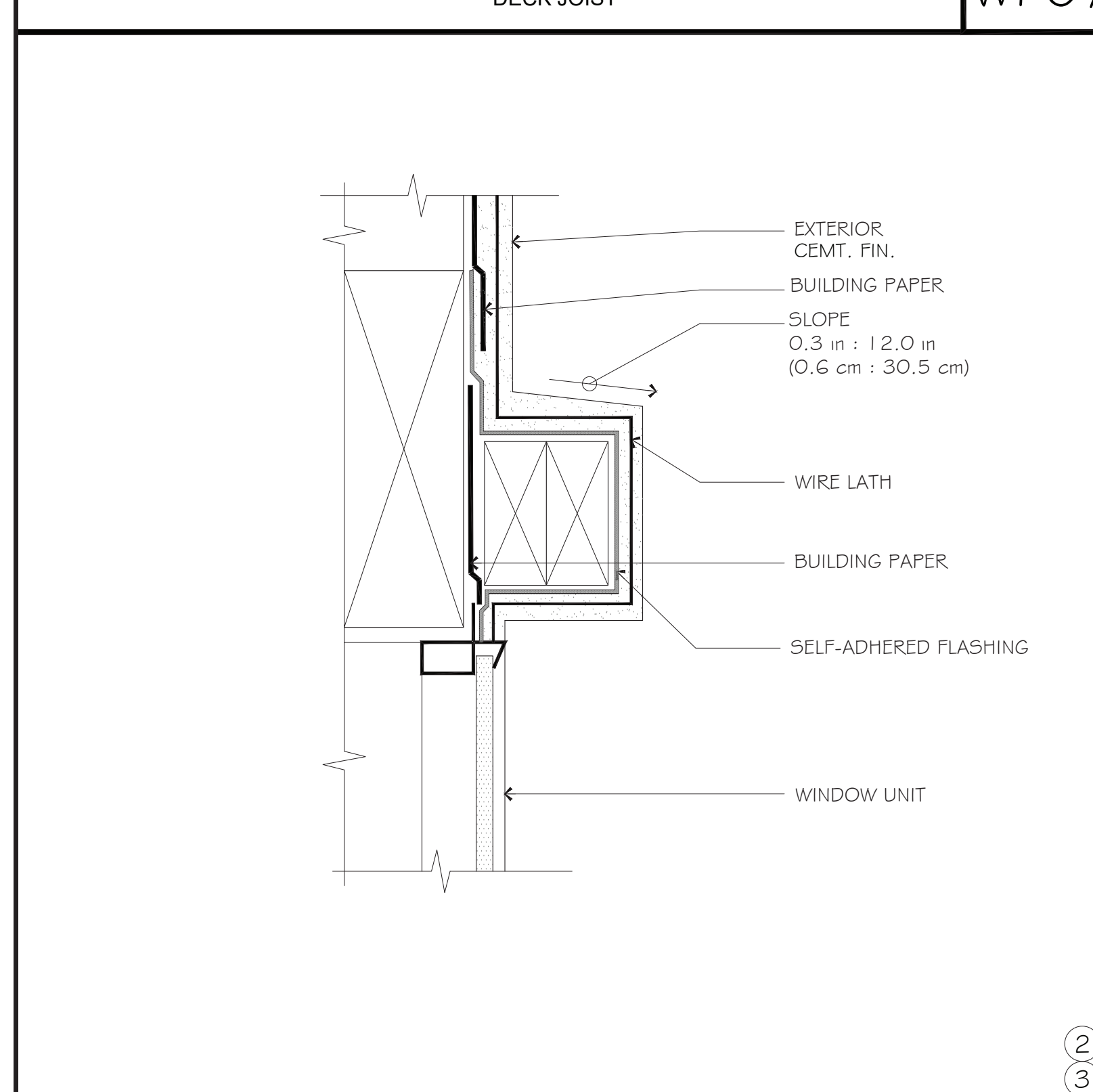
SELF-ADHERED FLASHING INSIDE CORNER WPO6



SELF-ADHERED FLASHING DECK JOIST WPO7

SELF-ADHERED FLASHING OUTSIDE CORNER WPO8

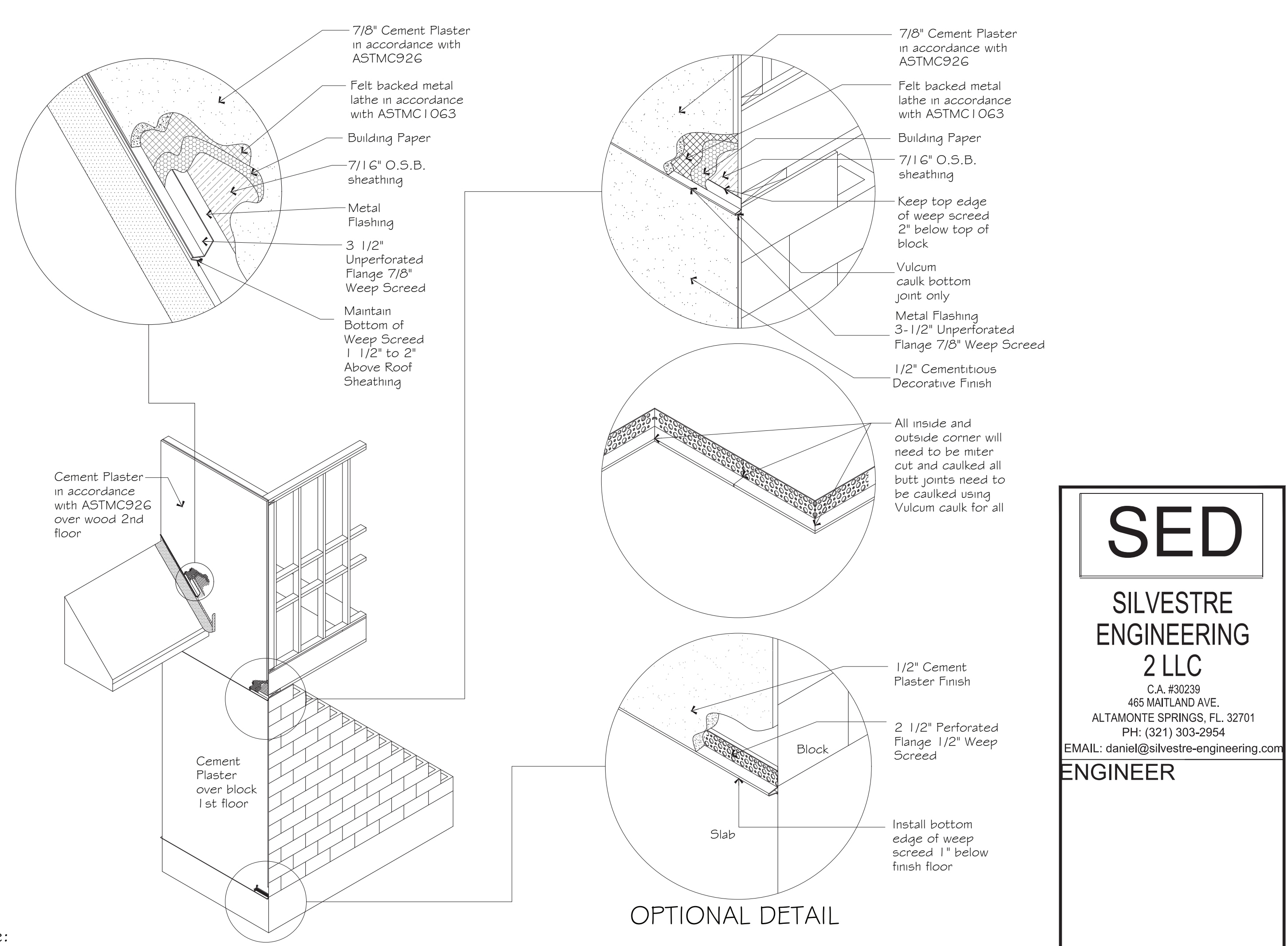
NOT USED WPO9



SELF-ADHERED FLASHING CEMENT FINISH WINDOW HEAD WPI0

SELF-ADHERED FLASHING CEMENT FINISH WINDOW SILL WPI1

SELF-ADHERED FLASHING CEMENT FINISH PARAPET WALL WPI2



Note: The building paper and metal lath must be installed over the top of the weep screed.

WEEP SCREED DETAIL SCALE: NOT TO SCALE

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CUSTOM DESIGN FOR THE:
ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

DATE: _____
SCALE: NOTED
DRAWN: EML
JOB: _____
SHEET: 11
OF SHEETS

CAST-CRETE SAFE LOAD TABLES FOR GRAVITY, UPLIFT & LATERAL LOADS

8" PRECAST & PRESTRESSED U-LINTELS GRAVITY table with columns for length, type, and various load values.

8" PRECAST & PRESTRESSED U-LINTELS UPLIFT and LATERAL tables with columns for length, type, and various load values.

8" PRECAST W/ 2" RECESS DOOR U-LINTELS GRAVITY table with columns for length, type, and various load values.

8" PRECAST W/ 2" RECESS DOOR U-LINTELS UPLIFT and LATERAL tables with columns for length, type, and various load values.

PRE-CAST LINTEL ENGINEERING PER CAST-CRETE.

MATERIALS

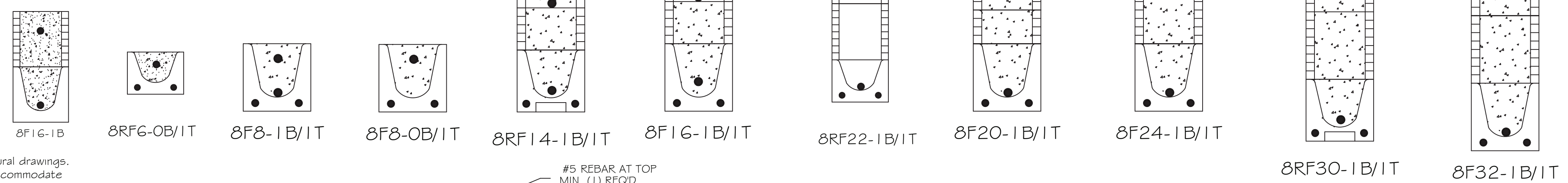
- 1. Fc precast lintels = 3500 psi.
2. Fc prestressed lintels = 6000 psi.
3. Fc grout = 3000 psi w/ maximum 3/8" aggregate.
4. Concrete masonry units (CMU) per ASTM C90 w/ minimum net area compressive strength = 1900 psi.
5. Rebar provided in precast lintel per ASTM A615 GR60.
6. Prestressing strand per ASTM A416 grade 270 low relaxation.
7. 7/32 wire per ASTM A510.
8. Mortar per ASTM C270 type M or S.

GENERAL NOTES

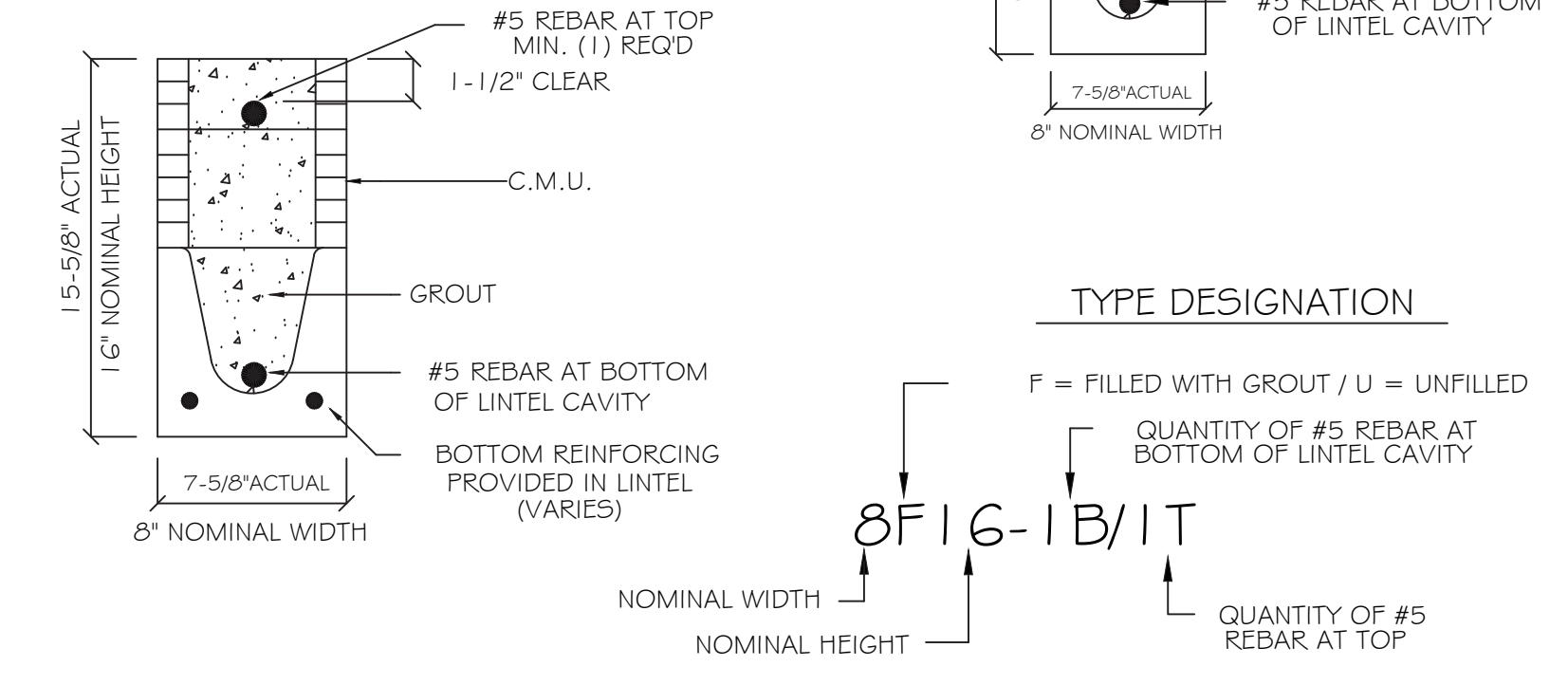
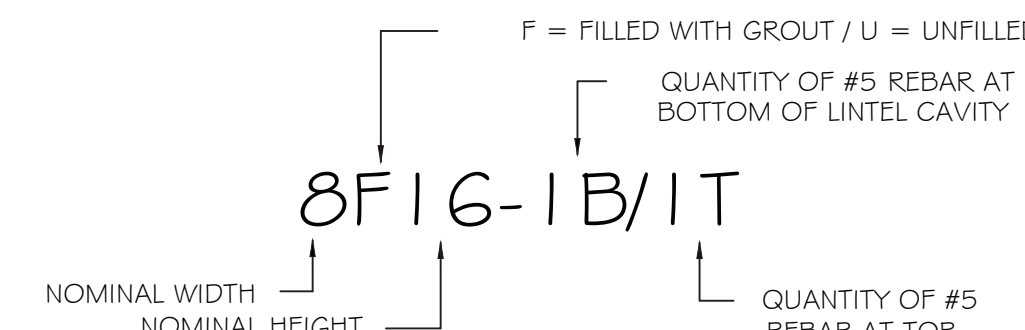
- 1. Provide full mortar head and bed joints.
2. Shore filled lintels as required.
3. Installation of lintel must comply with the architectural and/or structural drawings.
4. Lintels are manufactured with 5-1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
5. All lintels meet or exceed U360 vertical deflection, except lintels 17'-4" and longer with a nominal height of 8" or more or exceed U180.
6. Bottom field added rebar to be located at the bottom of the lintel cavity.
7. 7/32" diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
8. Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
9. Safe load ratings based on rational design analysis per ACI 318 and ACI 530.

SAFE LOAD TABLE NOTES

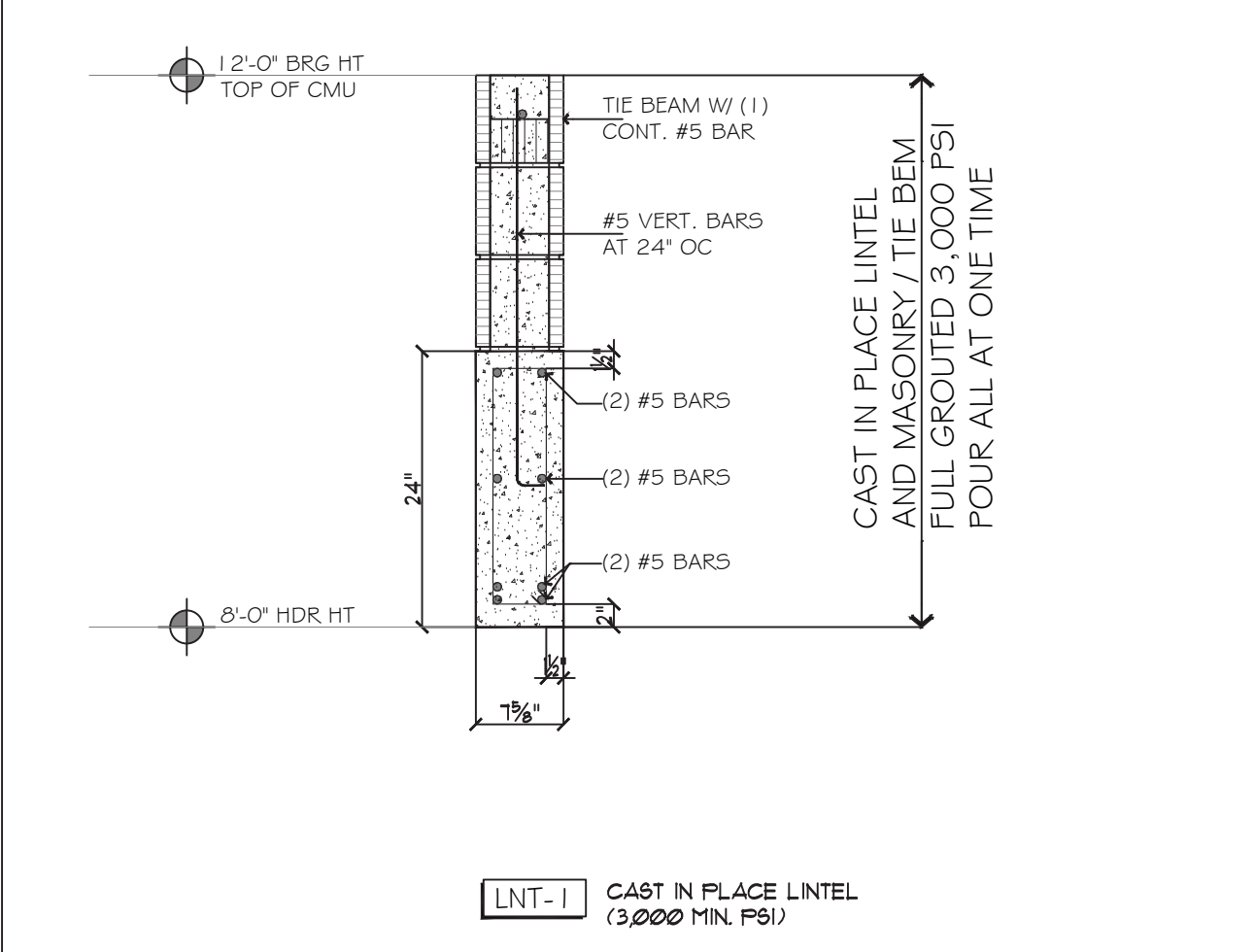
- 1. All values based on minimum 4" bearing. Exception: Safe loads for unfilled lintels must be reduced by 20% if bearing length is less than 6-1/2".
2. N.R. = Not Rated.
3. Safe loads are total superimposed allowable load on the section specified.
4. Safe loads based on grade 40 or grade 60 helid rebar.
5. Additional lateral load capacity can be obtained by the designer by providing additional reinforced masonry above the precast lintel.
6. One #7 rebar may be substituted for two #5 rebars in 8" lintels only.
7. The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d-away from the face of support.
8. For composite lintel heights not shown, use safe load from next lower height.
9. All safe loads in units of pounds per linear foot.



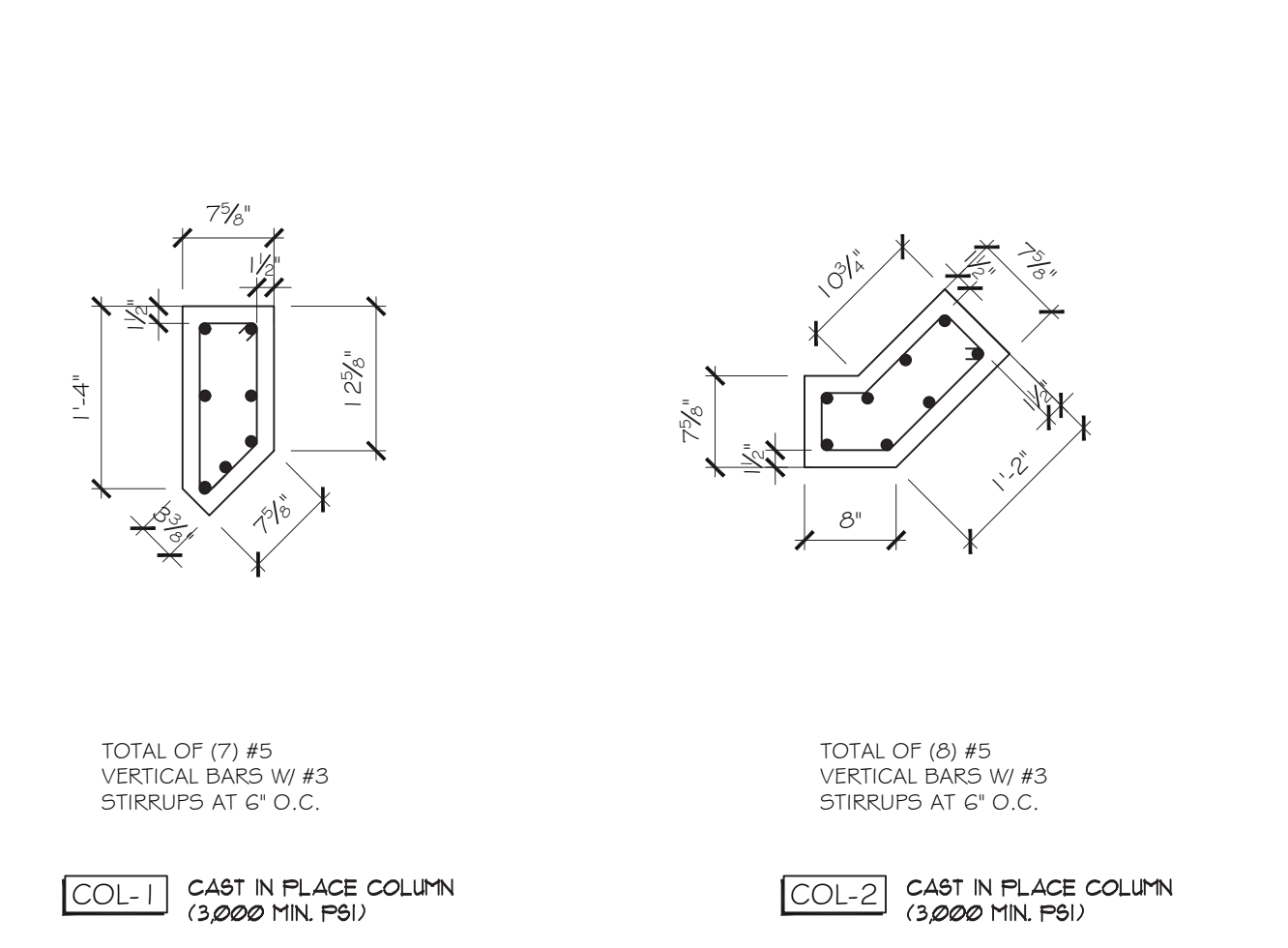
TYPE DESIGNATION



CAST IN PLACE LINTEL



CAST IN PLACE COLUMNS



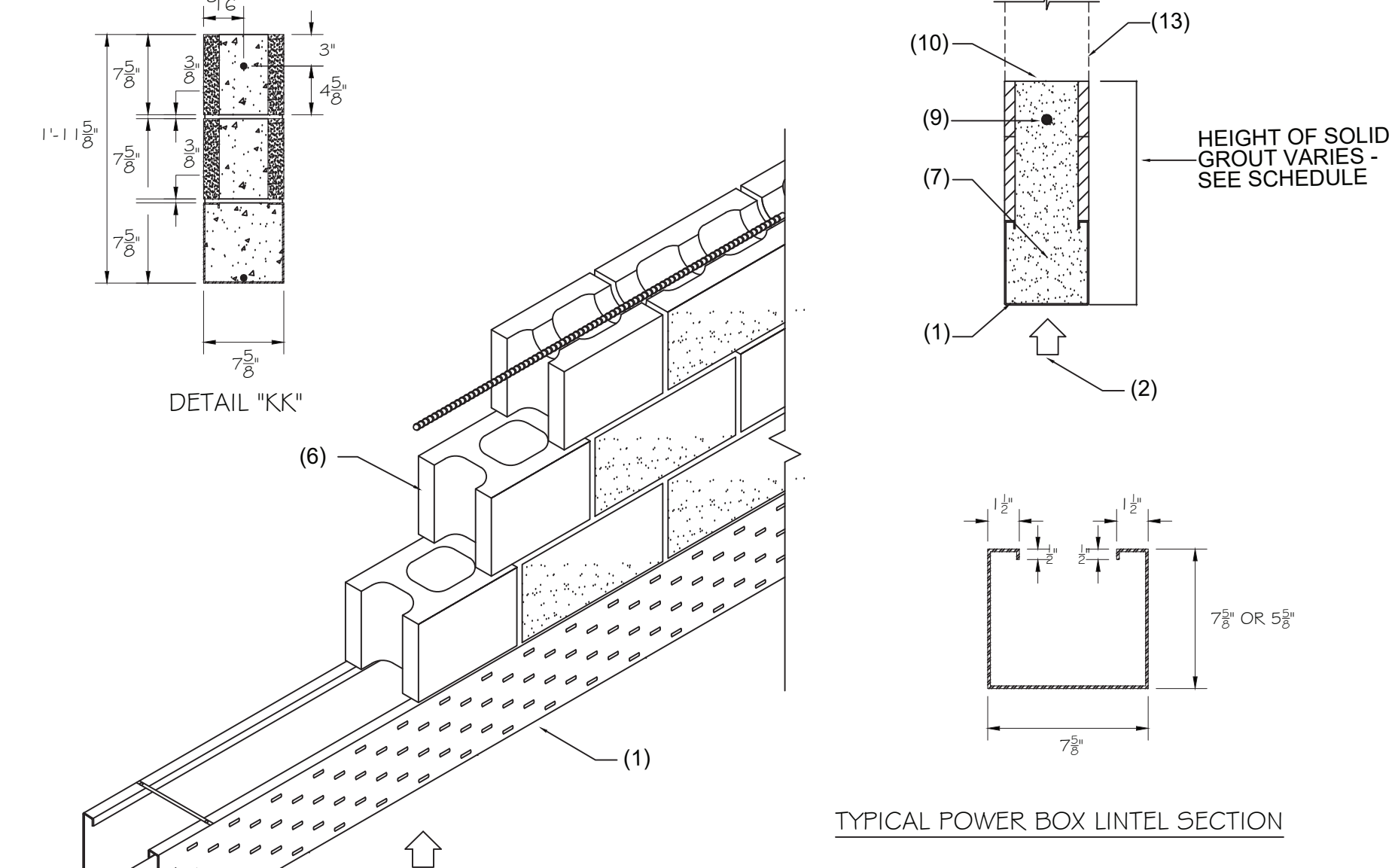
POWER STEEL BOX AND WIRE LINTELS

POWER LINTEL P9box8 (7-5/8) 24" COMPOSITE

Table with columns for mark no., nominal clear span, total lintel length, filled w/ #5 top detail 'kk', and filled w/ #5 TB detail 'kk'.

POWER LINTEL P9box8 (7-5/8) 24" COMPOSITE

Table with columns for mark no., nominal clear span, total lintel length, filled w/ #5 top detail 'kk', and filled w/ #5 TB detail 'kk'.



SED

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ENGINEER

CUSTOM DESIGN FOR THE: ALLEN RESIDENCE
LOT 10, FROG TREE LANE
LAKE COUNTY, FLORIDA

SEAL

TO THE BEST OF THE ENGINEER'S KNOWLEDGE AND UNDERSTANDING, THE STRUCTURAL PLANS AND SPECIFICATIONS COMPLY WITH THE CURRENT FLORIDA RESIDENTIAL BUILDING CODE SIGNED AND SEALED FOR THE STRUCTURAL PORTION OF THIS DRAWING

LUCIA DESIGNS RESIDENTIAL DESIGN
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