

SINGLE FAMILY DWELLING -ADDITION



1 Front - Right Perspective  
FOR DIAGRAMATIC PURPOSES ONLY

INDEX OF DRAWINGS

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CODE CONFORMANCE

APPLICABLE CODE: NEW JERSEY UNIFORM CONSTRUCTION CODE  
INTERNATIONAL RESIDENTIAL CODE, NJ VERSION (2015)  
NATIONAL STANDARD PLUMBING CODE (2015)  
INTERNATIONAL MECHANICAL CODE (2015)  
INTERNATIONAL ENERGY CONSERVATION CODE(2015)  
NATIONAL ELECTRIC CODE (2014)

USE GROUP: R-5  
CONSTRUCTION TYPE: 5-A  
MAXIMUM OCCUPANT LOAD: 1 PERSON / 200 SF LIVING AREA

DESIGN LOADS:

FLOORS (LIVING AREAS)	40 #/SF
FLOORS (SLEEPING ROOMS)	30 #/SF
ROOFS	30 #/SF
ATTICS	20 #/SF
WIND LOAD (RISK CATEGORY II)	121 MPH - THREE SECOND GUST
LIVING AREA	9,046 SF
VOLUME	81,414 CF

1. BUILDING TO BE CONSTRUCTED IN ACCORDANCE WITH THE 2015 INTERNATIONAL RESIDENTIAL CODE, THE NEW JERSEY U.C.C., THE NATIONAL STANDARD PLUMBING CODE AND THE NATIONAL ELECTRIC CODE. THE OWNER/BUILDER SHALL INSURE THAT THE CONSTRUCTION ADHERES WITH ALL NATIONAL, STATE AND LOCAL STATUTES, ORDINANCES AND REGULATIONS.
2. ALL LAYOUT DIMENSIONS AS INDICATED SHALL BE ADJUSTED WHERE REQUIRED. ROUGH OPENINGS REQUIRED BY SPECIFIC BUILDING COMPONENTS SHALL TAKE PRECEDENCE FOR PROPER FIT OF COMPLETED COMPONENT.
3. DO NOT SCALE FROM DRAWINGS. CONTRACTOR SHALL REFER ONLY TO WRITTEN DIMENSIONS. ALL DIMENSIONS AND CONDITIONS TO BE VERIFIED IN FIELD BY CONTRACTOR PRIOR TO CONSTRUCTION, AND ANY DISCREPANCIES REPORTED TO THE ARCHITECT.
4. DEVIATIONS FROM THE PLANS ARE NOT PERMITTED WITHOUT PRIOR APPROVAL FROM THE ARCHITECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY DEPARTURE FROM THESE DRAWINGS DURING THE CONSTRUCTION PROCESS.
- CONSTRUCTION NOTES
1. CONNECTIONS: ALL NAILED CONNECTIONS TO BE COMPLY WITH THE RECOMMENDED NAILING SCHEDULE TABLE R602-3(1) FASTENING SCHEDULE OF THE INTERNATIONAL RESIDENTIAL CODE. SHEATHING TO BE SECURED IN COMPLIANCE WITH THIS TABLE, OR MANUFACTURER'S RECOMMENDED SPECIFICATION, WHICHEVER IS MORE STRINGENT.
2. FRAMING: A. ALL REPETITIVE LUMBER(NON-BEARING PARTITIONS, FLOOR JOISTS, RAFTERS, CEILING JOISTS, ETC.) TO BE HEM-FIR #2,OR BETTER. LUMBER TO HAVE A MINIMUM FIBER STRESS OF 1,150 PSI, AND A MIN. MODULUS OF ELASTICITY OF 1,400,000.
- B. ALL STRUCTURAL LUMBER (GIRDERS, HEADERS, BEARING PARTITIONS) TO BE DOUG-FIR #2, OR BETER. LUMBER TO HAVE A MIN. FIBER STRESS OF 1,150 PSI, AND A MIN. MOD. OF ELASTICITY OF 1,400,000, UNLESS OTHERWISE NOTED.
- C. ALL MICROLAMS AND/OR PARALLAMS CALLED OUT FOR ON THESE PLANS TO HAVE A MIN. FIBER STRESS OF 2,800 PSI AND A MIN. MOD. OF ELASTICITY OF 2,000,000.
- D. DOUBLE UP FLOOR JOISTS UNDER PARALLEL PARTITIONS.
- E. ALL HEADERS TO SUPPORTED BY DOUBLE 2x4 POSTS AT EACH END, TYPICAL - UNLESS OTHERWISE NOTED.
- F. JOIST BAYS TO HAVE CROSS-BRIDGING @ 8'-0" O.C. MAX.
3. CUTTING AND NOTCHING: THE NOTCHING OF BEAMS,JOISTS, GIRDERS AND RAFTERS SHALL NOT BE ALLOWED UNLESS THE CUTTING AND NOTCHING IS PERFORMED IN STRICT COMPLIANCE WITH SECTION R502-8 OF THE INTERNATIONAL RESIDENTIAL CODE. TJI MANUFACTURED FLOOR JOISTS, IF UTILIZED, SHALL BE CUT IN COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATION.
4. DOORS: ALL EXTERIOR DOORS TO BE 6'-8" HIGH x 1 3/4 " THICK. ALL INTERIOR DOORS TO BE 6'-8" HIGH x 1 3/8" THICK. DOORS IN COMMON WALL BETWEEN LIVING AND GARAGE TO BE 6'-8" HIGH x 1 3/4" THICK - SOLID CORE.
5. WATER PROOF GYPSUM WALL BOARD: PROVIDE WATER RESISTANT DURROCK BOARD AT TUB, BATHTUB PLATFORM AND SHOWER. PROVIDE WATER RESISTANT GYPSUM WALL BOARD AT BATHROOM WALLS NOT SUBJECT TO DIRECT WATER CONTACT.
6. FIRE SEPARATION: AT COMMON ASSEMBLIES AND ASSOCIATED SUPPORTS BETWEEN LIVING AREAS AND GARAGE:
- |                              |           |
|------------------------------|-----------|
| FLOOR AND CEILING ASSEMBLIES | UL * L512 |
| PARTITIONS                   | UL* U309  |
| COLUMNS                      | UL* 531   |
7. FIRE AND DRAFT STOPPING: FIRE AND DRAFT ALL DROPPED SOFFITS, CEILINGS AND ANY OTHER CONCEALED AREA WHERE FIRE AND DRAFT STOPPING IS REQUIRED BY CODE.
8. ICE AND WATER SHIELD: PROVIDE ICE AND WATER SHIELD ON SPECIFIED ROOF SECTIONS WHERE THE AVERAGE DAILY TEMPERATURE ON JANUARY 15 IS 25° F IN ACCORDANCE WITH SECTION I507.2 THE IBC CODE.
9. DRAINAGE: SLOPE FINISH GRADE ADJACENT TO FOUNDATION ON ALL SIDES OF DWELLING AWAY AT A SLOPE OF 1:12 FOR A MINIMUM OF 8'-0" HORIZONTAL. PROVIDE A DEDICATED FOUNDATION DRAINAGE SYSTEM PER DETAIL, EXCEPT IN AREAS WHICH ARE WELL-DRAINED OR SAND/GRAVEL MIXTURE SOILS.
10. UNHEATED AREAS: INSULATE ALL HEATING DUCTS, TRUNKS AND/OR HYDRONIC HEATING LINES IN UNHEATED AREAS (CRAWLSPACES, BASEMENTS, CANTILEVERS, GARAGES, ETC.

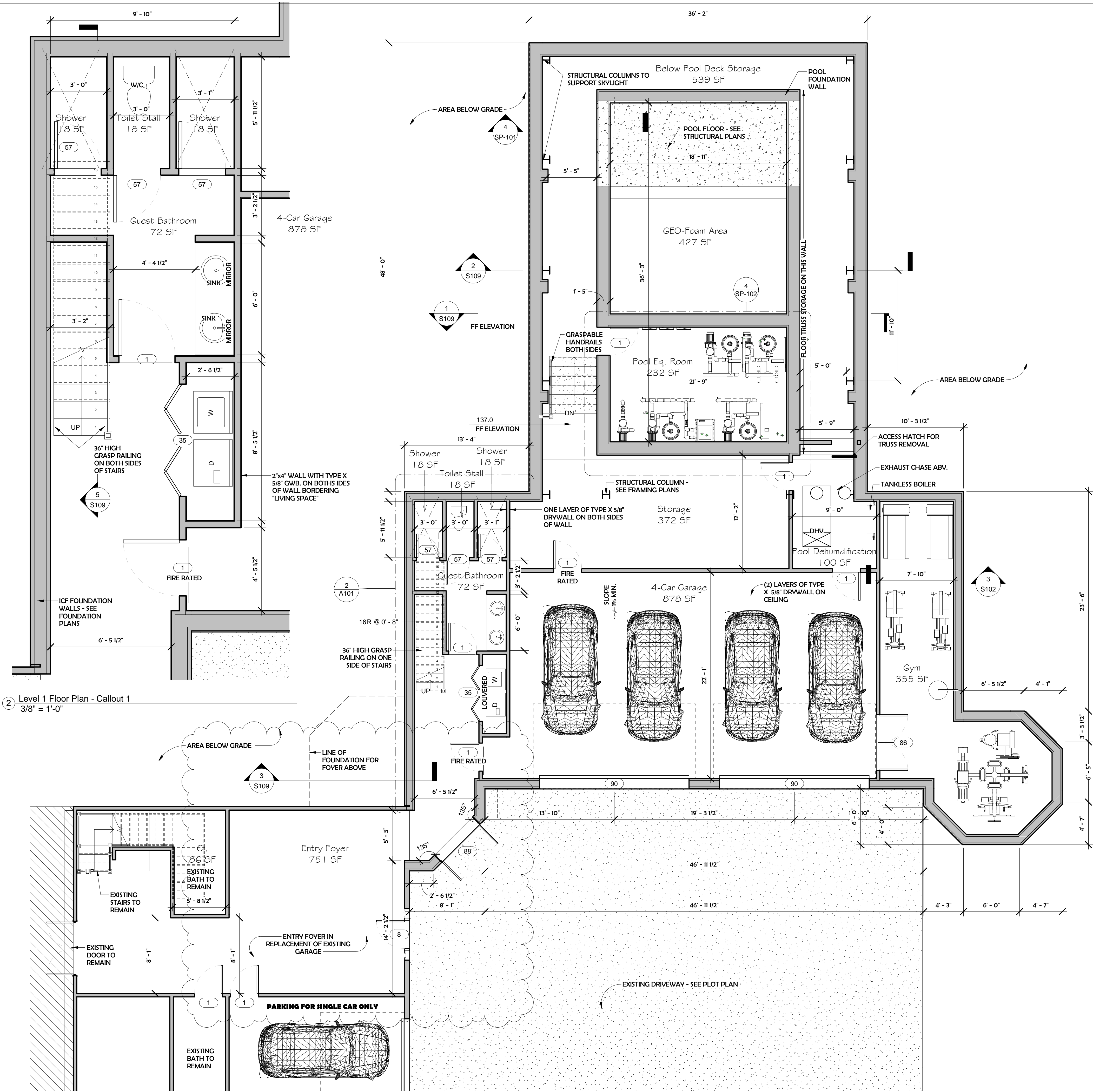
CONTRACTOR NOTES

1. ALL CONTRACTORS AND SUBCONTRACTORS SHALL STRICTLY OBSERVE ALL APPLICABLE CODES HAVING JURISDICTION IN THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING IRC 2015, NJ UCC, ALL STATE, CITY AND COUNTY BUILDING, ELECTRICAL, MECHANICAL, PLUMBING AND FIRE CODES. CONTRACTOR SHALL VERIFY CODE REQUIREMENTS BEFORE THE COMMENCEMENT OF WORK AND NOTIFY THE ARCHITECT IN WRITING OF ANY CONFLICTS OR DISCREPANCIES BETWEEN THE CODE REQUIREMENTS AND THE CONTRACT DOCUMENTS.
2. ALL CODES, TRADE STANDARDS AND MANUFACTURER'S DETAILS AND INSTRUCTIONS REFERENCED IN CONTRACT DOCUMENTS SHALL BE THE LATEST VERSION, AND STRICTLY FOLLOWED.
3. PLANS, NOTES AND DETAILS ON THE DRAWINGS ARE SHOWN AT GENERAL LOCATIONS AND INTENDED TO PROVIDE GENERAL REQUIREMENTS THROUGHOUT. DETAILS NOTED "TYPICAL" IMPLY ALL CONDITIONS TREATED SIMILARLY. CONTRACTOR SHALL MAKE MODIFICATIONS TO ACCOMMODATE MINOR VARIATIONS.
4. CONTRACTOR MUST INFORM THE ARCHITECT OF ERRORS AND/OR OMISSIONS IN THE CONTRACT DOCUMENTS IN WRITING, AND WRITTEN INSTRUCTIONS IN RESPONSE SHALL BE RECEIVED BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE RESULT OF ANY ERRORS, DISCREPANCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS IN WHICH THE CONTRACTOR FAILED TO NOTIFY THE ARCHITECT BEFORE THE FABRICATION OF THE WORK.
5. THE CONTACTOR SHALL VERIFY AND PROTECT ALL UTILITY AND SERVICE LINES, AND SHALL PROTECT THE WORK AREA FROM DETERIORATION AND DAMAGE.
6. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE SAFETY PROCEDURES, MEANS AND METHODS OF CONSTRUCTION, TECHNIQUES NOR FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS AND APPLICABLE CODES.
7. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS. PAYMENT FOR SUCH FEES ASSOCIATED WITH THE PERMIT PROCESS SHALL BE THE RESPONSIBILITY OF THE OWNER.
8. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS AT THE JOB SITE SUFFICIENTLY IN ADVANCE OF THE WORK TO BE PERFORMED TO ASSURE THE ORDERLY PROGRESSION, AND SHALL INFORM THE ARCHITECT OR OWNER OF SAME.
9. CONTRACTOR SHALL MAINTAIN THE PREMISES ACCESSIBLE, CLEAN AND FREE OF TRASH AND DEBRIS, AND SHALL PROTECT ALL ADJACENT WORK FROM DAMAGE, SOILING, ETC. AS NECESSARY FOR DEMOLITION, CONSTRUCTION AND RESTORATION WORK. ALL WORK AREAS TO BE LEFT CLEAN AND READY FOR OCCUPANCY UPON THE COMPLETION OF THE WORK. ALL TRASH AND DEBRIS SHALL BE DISPOSED OF OFF-SITE.
10. THE CONSTRUCTION DOCUMENTS SHOW THE GENERAL CONDITIONS OF THE CONSTRUCTION. SHOP DRAWINGS ARE REQUIRED FOR SPECIFIC STRUCTURAL, MECHANICAL, ELECTRICAL AND SPECIALIZED CONSTRUCTION. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW OF CONFORMANCE WITH THE DESIGN INTENT OF THE WORK IN THE AREAS WHERE THE DRAWINGS DO NOT ADDRESS THE SPECIFIC METHODOLOGY. THE CONTRACTOR SHALL BE BOUND TO PERFORM IN STRICT COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS.
11. THE CONTRACTOR SHALL MAKE NO STRUCTURAL CHANGES WITHOUT APPROVAL FROM THE ARCHITECT/ENGINEER.
12. ALL MANUFACTURER'S PRINTED WARNINGS FOR THE HANDLING OF PRODUCTS SHALL BE STRICTLY OBSERVED. THE TERM "OR EQUAL" IS TO BE ASSUMED WHENEVER A SPECIFIC MANUFACTURER IS NOTED.
13. NO SUBSTITUTION OR VARIATION OF PRODUCTS OR PRODUCT MANUFACTURER'S RECOMMENDED INSTALLATION METHOD SHALL BE PERMITTED WHERE PRODUCT IS IDENTIFIED BY NAME WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT/ENGINEER.
14. CONTRACTOR TO PROTECT PORTIONS OF THE STRUCTURE TO REMAIN. CONTRACTOR TO REPAIR ALL DAMAGE TO REMAINING STRUCTURE AND INTERIOR FINISHES AND SHALL BE RESTORED TO THE SATISFACTION OF THE OWNER/ARCHITECT'S STANDARDS WITH MATERIALS OF SIMILAR KIND, COLOR, TEXTURE AND NATURE TO ADJACENT SURFACES, AND BE CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS, OR GENERALLY ACCEPTABLE TRADE PRACTICES FOR REPAIR OF MATERIALS AND FINISHES.
15. CONTRACTOR SHALL ENSURE THAT ALL WORK RELATED MATERIALS AND PRODUCTS ARE TRANSPORTED, HANDLED STORED, CONSTRUCTED, FASTENED, INSTALLED AND FINISHED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
16. REGARDLESS OF WEATHER CONDITIONS OR ANY OTHER FACTOR, THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE TO CONDUCT AND PROTECT THE WORK IN SUCH A MANNER TO PREVENT ANY DAMAGE OR WATER INFILTRATION INTO THE THE STRUCTURE.



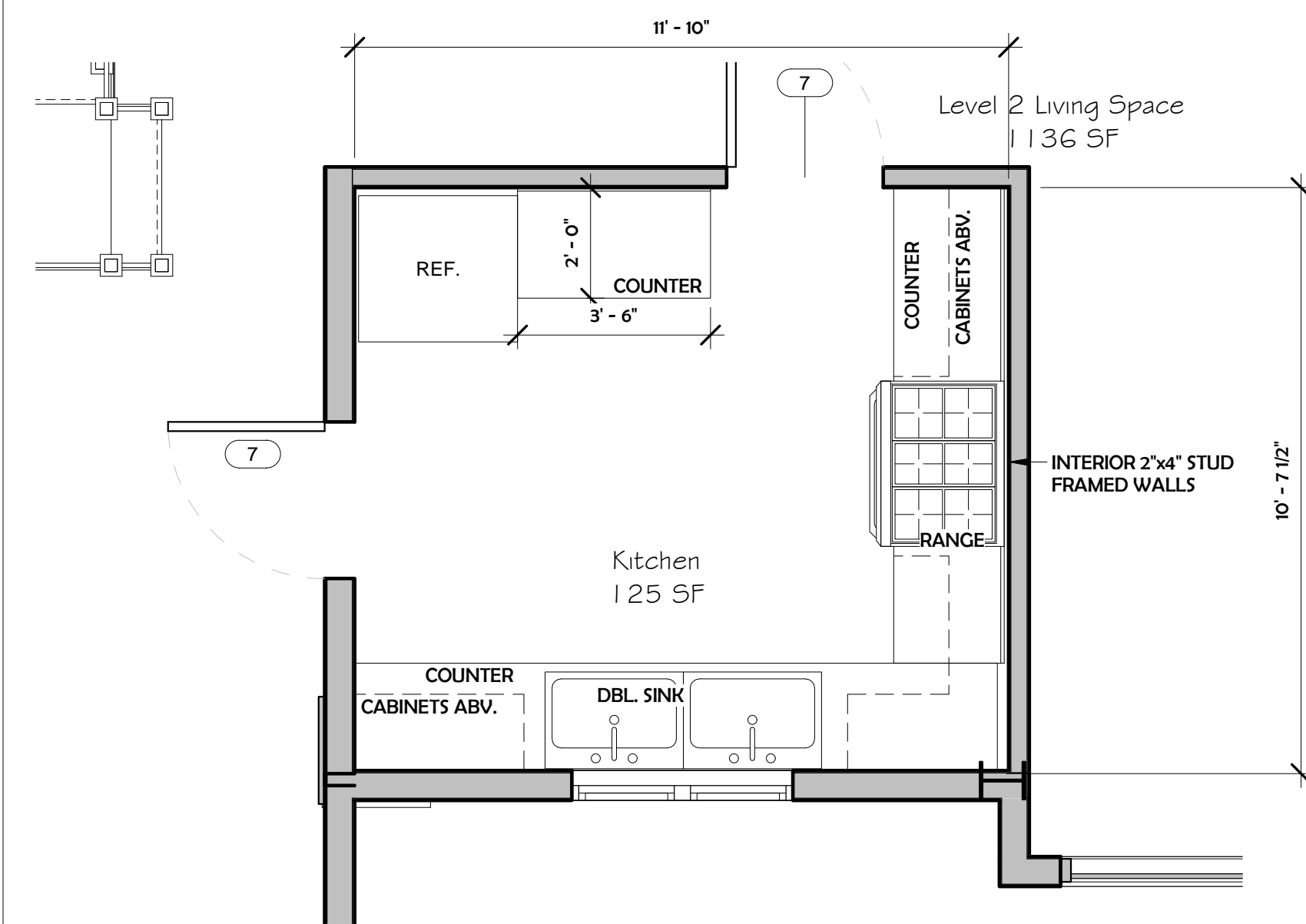
Room Schedule				
Name	Area	Ceiling Finish	Floor Finish	Wall Finish
4-Car Garage	878 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	CONCRETE SLAB	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Balcony	142 SF	N/A	TILE	N/A
Bathroom	38 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	WALL TILE ON BACKER BOARD
Bathroom	56 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	WALL TILE ON BACKER BOARD
Bedroom 1	239 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	CARPET	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Bedroom 2	275 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	CARPET	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Below Pool Deck Storage	539 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Cl.	86 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Closet	19 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Closet	18 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Closet	10 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Closet	42 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Entry Foyer	751 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
GEO-Foam Area	427 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Guest Bathroom	72 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	WALL TILE ON BACKER BOARD
Gym	355 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Hall	463 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Hallway	290 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Kitchen	125 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Level 2 Living Space	1136 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Massage	122 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
On-Suite	50 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	WALL TILE ON BACKER BOARD
On-Suite	40 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	WALL TILE ON BACKER BOARD
Pool Area	647 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	NON-SLIP TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Pool Deck Area	Not Enclosed	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	NON-SLIP TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Pool Dehumidification	100 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Pool Eq. Room	232 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT		
Pool Equipment Room	Not Placed	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Rear Entry Foyer	225 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Sauna	48 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Shower	25 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	WALL TILE ON BACKER BOARD
Shower	18 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	WALL TILE ON BACKER BOARD
Shower	18 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	WALL TILE ON BACKER BOARD
Sitting Area	100 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Sitting Room	153 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Storage	372 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT
Toilet Stall	18 SF	1/2" GWB. - (1) COAT PRIMER, (2) COATS PAINT	TILE	WALL TILE ON BACKER BOARD

Door Schedule				
Type Mark	Family and Type	Count	Width	Height
1	Single-Flush: 36" x 84"	9	3' - 0"	7' - 0"
5	Single-Flush: 30" x 80"	7	2' - 6"	6' - 8"
7	Single-Flush: 34" x 80"	6	2' - 10"	6' - 8"
8	Single-Raised Panel with Sidelights: 36" x 84"	1	3' - 0"	7' - 0"
35	Bifold-4 Panel: 72" x 84"	1	6' - 0"	7' - 0"
39	Single-Pocket: 36" x 80"	1	3' - 0"	6' - 8"
54	Single-Glass 2: 36" x 84"	4	3' - 0"	7' - 0"
57	Single-Glass 2: 30" x 84"	7	2' - 6"	7' - 0"
82	Door-Exterior-Double-Full Glass-Wood_Clad: 68" x 96"	1	5' - 8"	8' - 0"
85	Door-Garage-CHD-4000-Wood-Single: 16'-0"x9'-0"	1	16' - 0"	9' - 0"
86	Door-Double-Flush_Panel: 72" x 84"	1	6' - 0"	7' - 0"
88	Door-Exterior-Double-Full Glass-Wood_Clad: 68" x 84"	3	5' - 8"	7' - 0"
90	Door-Garage-CHD-4000-Wood-Single: 16'-0"x8'-0"	2	16' - 0"	8' - 0"
91	Multi_Panels_Pocket_Door_5932: Nesting tri-panel door	1	16' - 0"	9' - 6"

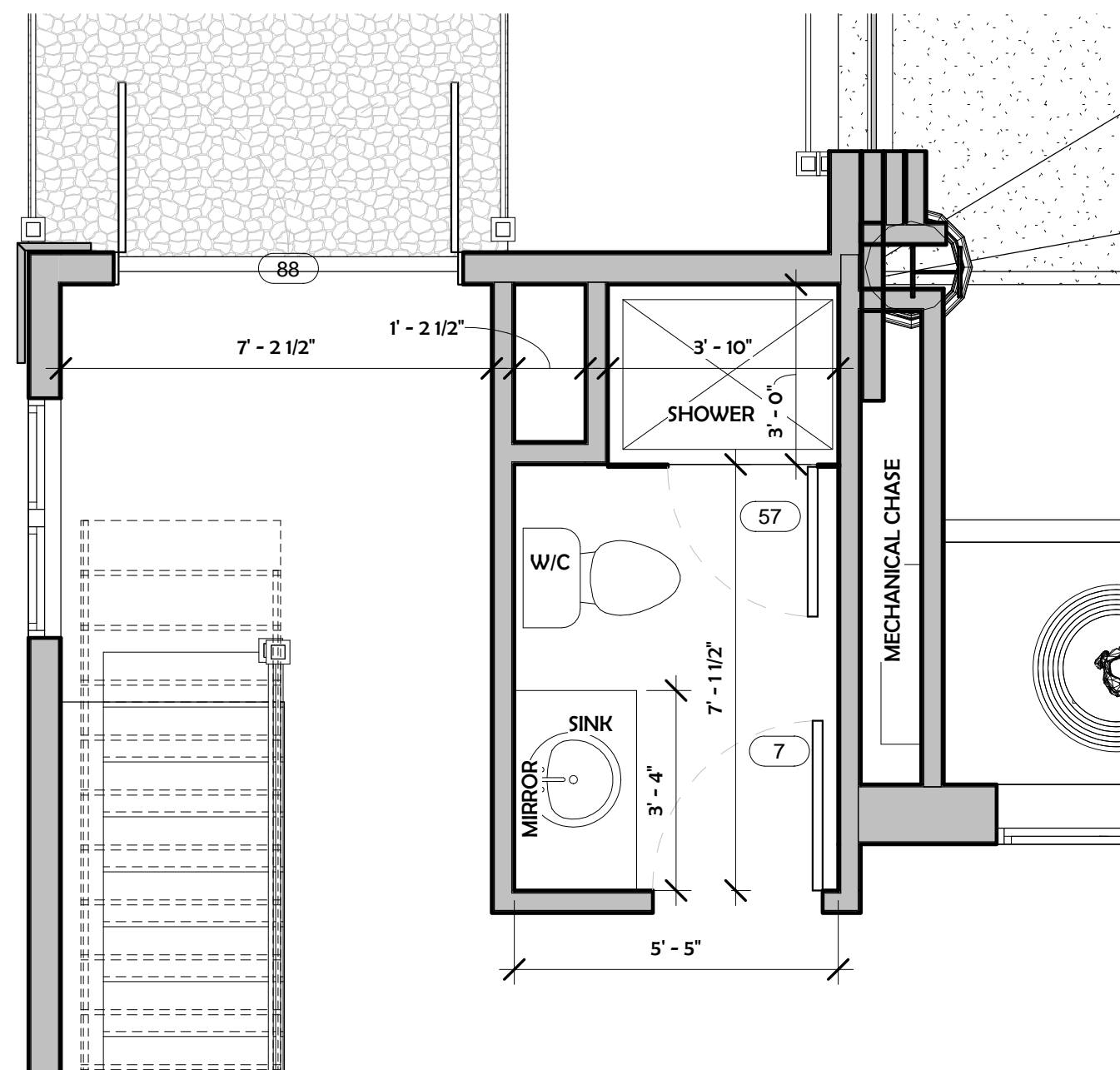


1 Level 1 Floor Plan  
3/16" = 1'-0"

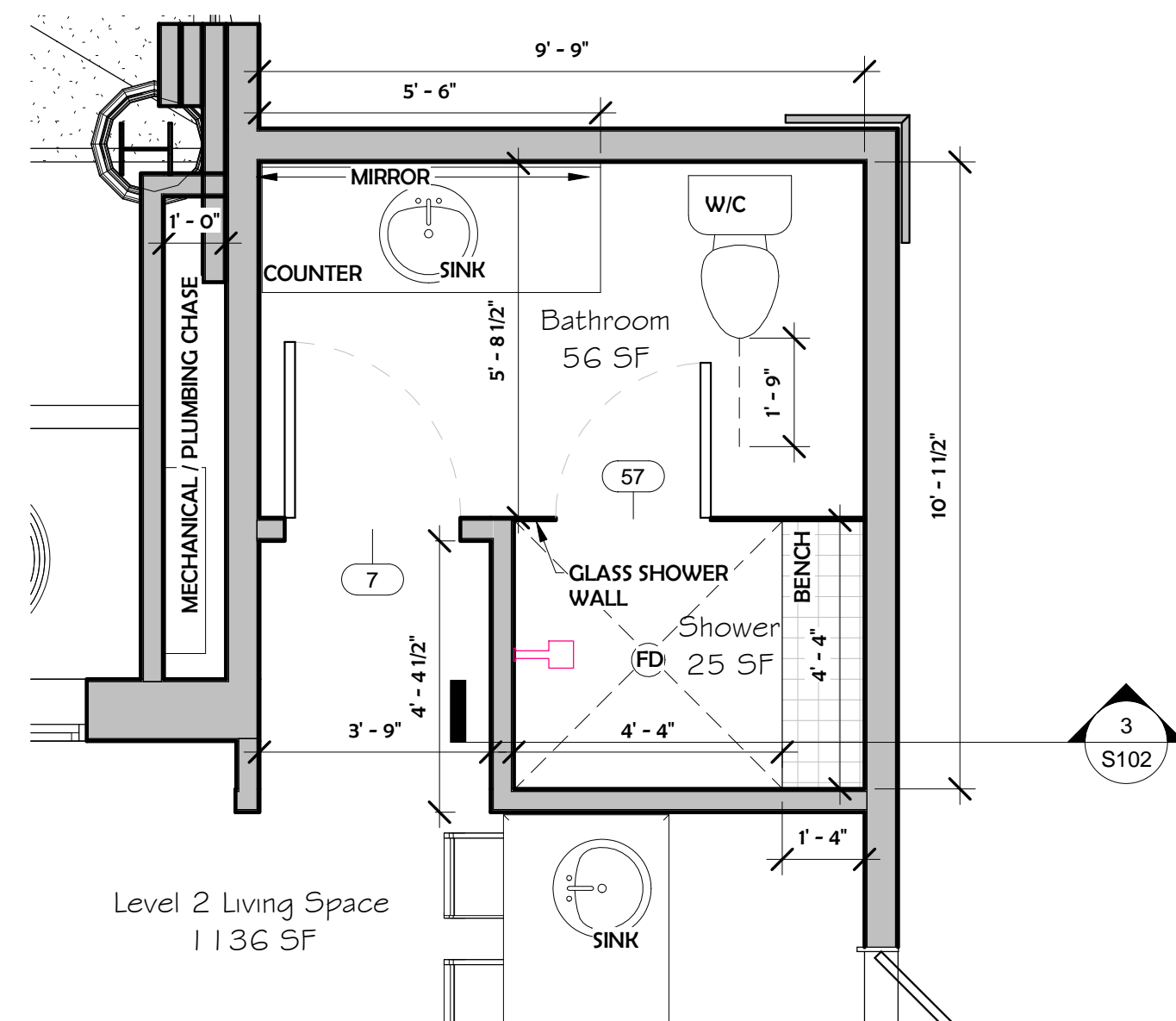




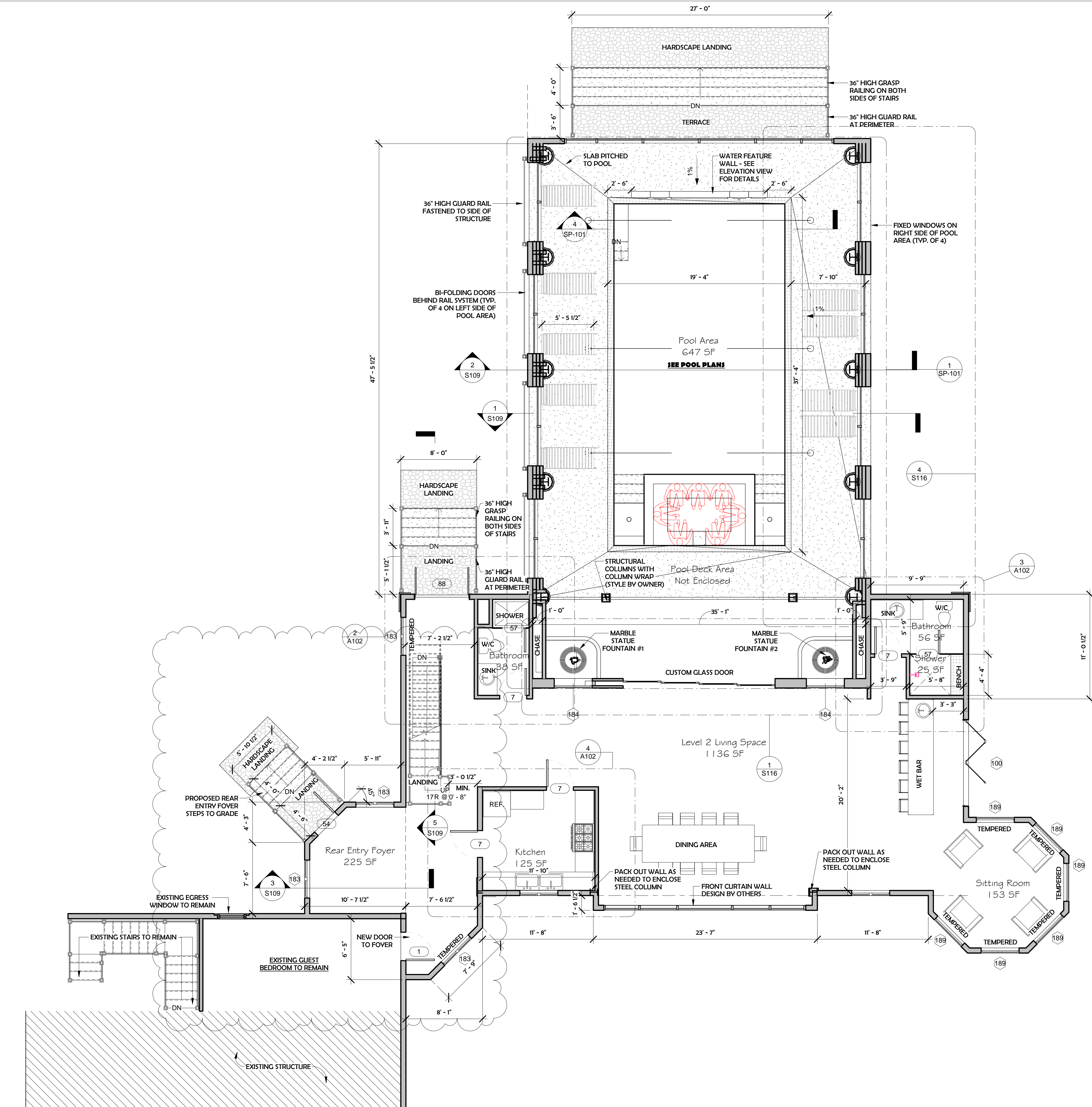
④ Level 2 Floor Plan - Callout 3  
3/8" = 1'-0"



② Level 2 Floor Plan - Callout 1  
3/8" = 1'-0"

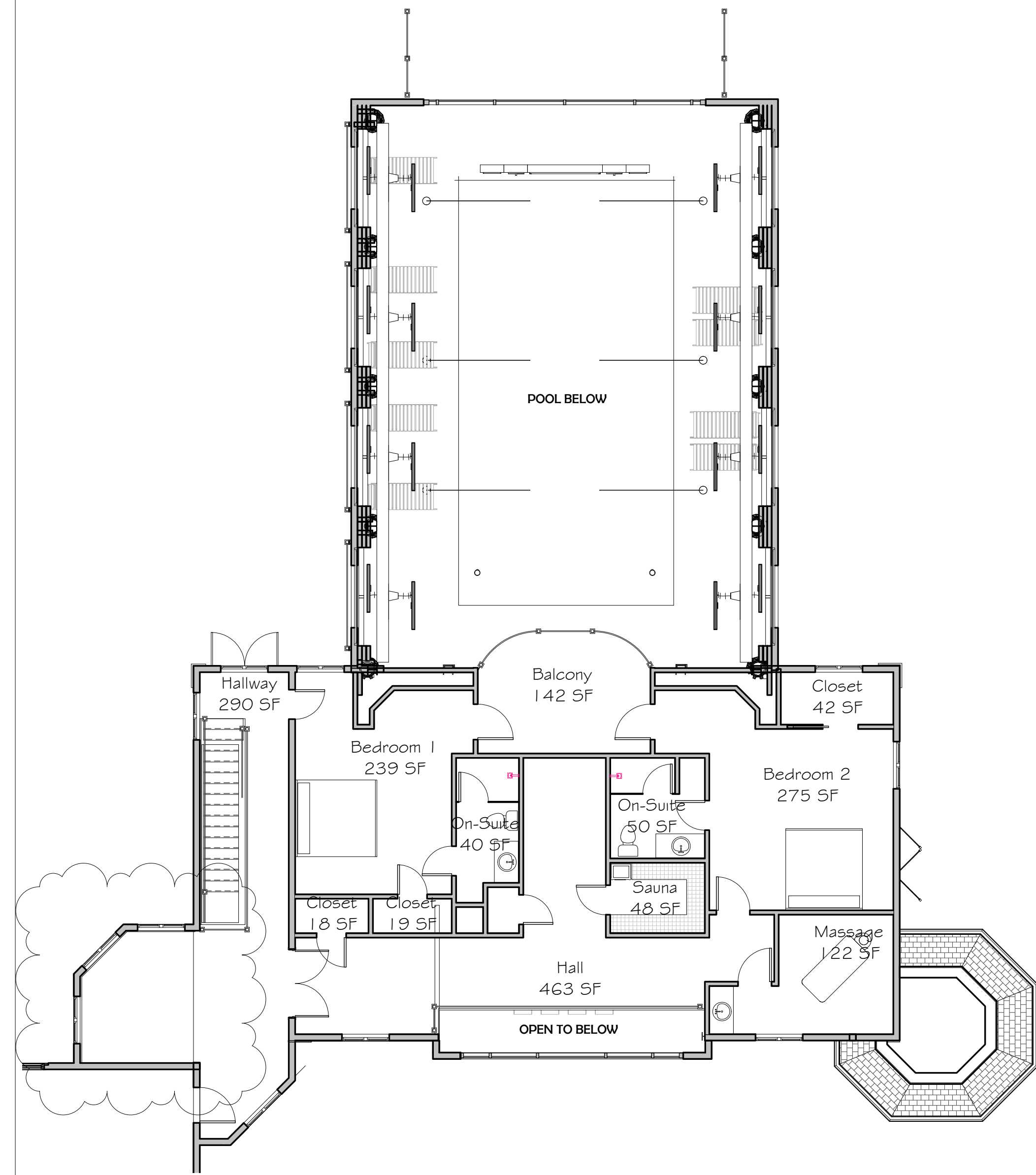


③ Level 2 Floor Plan - Callout 2  
3/8" = 1'-0"

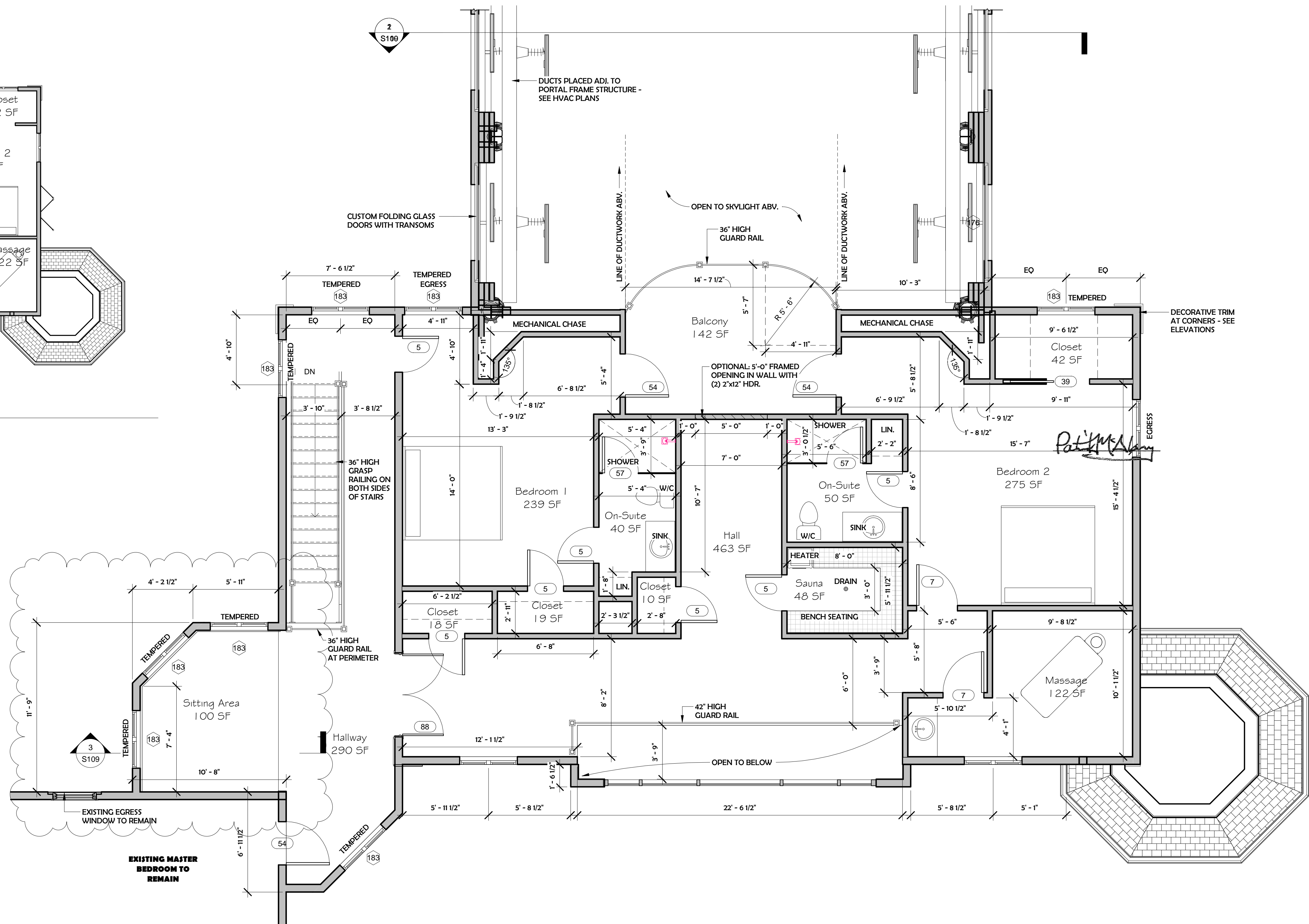


① Level 2 Floor Plan  
3/16" = 1'-0"





2 Level 3 Key Plan  
1/8" = 1'-0"

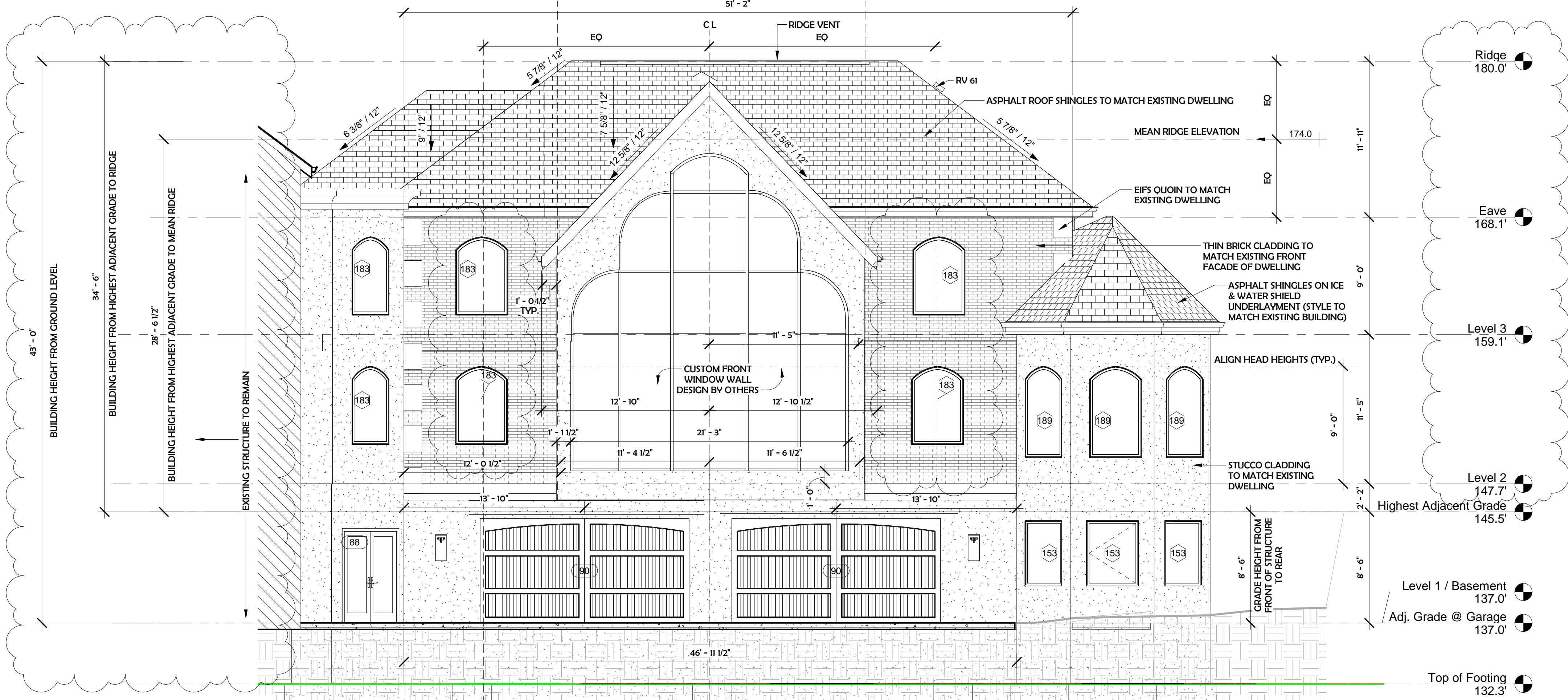


1 Level 3 Floor Plan  
1/4" = 1'-0"

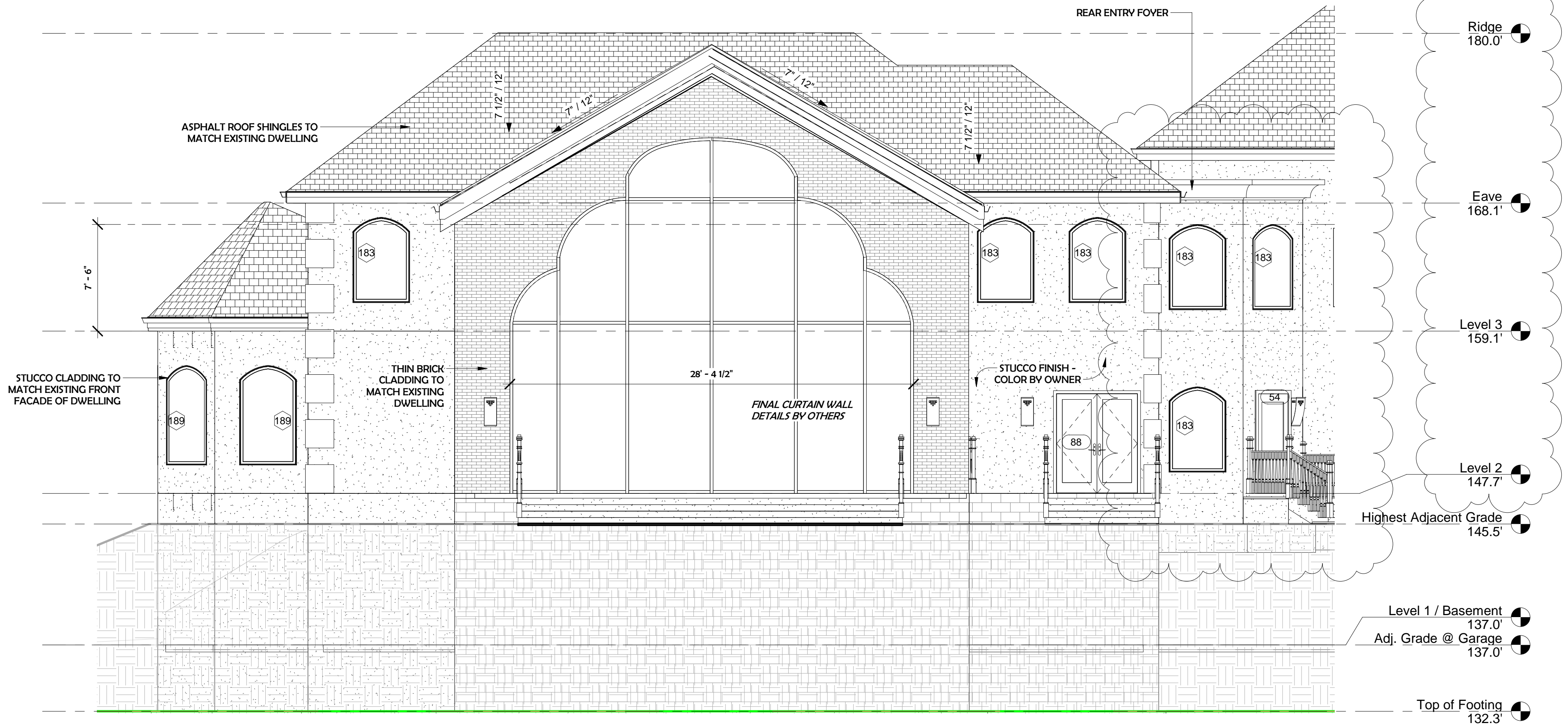


Window Schedule					
Type Mark	Family	Count	Width	Height	Family and Type
100	Window-Sierra-Bi-Fold-Clad-Full_Glass-3-Panel-Inswing-Marginal	1	9' - 0"	4' - 0"	Window-Sierra-Bi-Fold-Clad-Full_Glass-3-Panel-Inswing-Marginal: LLY ZRR
153	Casement with Trim	3	4' - 0"	5' - 0"	Casement with Trim: 36" x 60"
176	Window-Radius-Milgard-Tuscany_Series-Arch_Top	8	8' - 3"	4' - 1 1/2"	Window-Radius-Milgard-Tuscany_Series-Arch_Top: Eyebrow Window 2
183	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom_Casement	17	4' - 0"	6' - 0"	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom_Casement: 6' TALL
184	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom - no casement	2	4' - 0"	7' - 0"	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom - no casement: Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom_Casement
189	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom - 7 FT TALL	6	4' - 0"	7' - 0"	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom_Casement

Door Schedule				
Type Mark	Family and Type	Count	Width	Height
1	Single-Flush: 36" x 84"	9	3' - 0"	7' - 0"
5	Single-Flush: 30" x 80"	7	2' - 6"	6' - 8"
7	Single-Flush: 34" x 80"	6	2' - 10"	6' - 8"
8	Single-Raised Panel with Sidelights: 36" x 84"	1	3' - 0"	7' - 0"
35	Bifold-4 Panel: 72" x 84"	1	6' - 0"	7' - 0"
39	Single-Pocket: 36" x 80"	1	3' - 0"	6' - 8"
54	Single-Glass 2: 36" x 84"	4	3' - 0"	7' - 0"
57	Single-Glass 2: 30" x 84"	7	2' - 6"	7' - 0"
82	Door-Exterior-Double-Full Glass-Wood_Clad: 68" x 96"	1	5' - 8"	8' - 0"
85	Door-Garage-CHD-4000-Wood-Single: 16'-0"x9'-0"	1	16' - 0"	9' - 0"
86	Door-Double-Flush_Panel: 72" x 84"	1	6' - 0"	7' - 0"
88	Door-Exterior-Double-Full Glass-Wood_Clad: 68" x 84"	3	5' - 8"	7' - 0"
90	Door-Garage-CHD-4000-Wood-Single: 16'-0"x8'-0"	2	16' - 0"	8' - 0"
91	Multi_Panels_Pocket_Door_5932: Nesting tri-panel door	1	16' - 0"	9' - 6"



1 Front Elevation  
3/16" = 1'-0"



3 Rear Elevation  
3/16" = 1'-0"

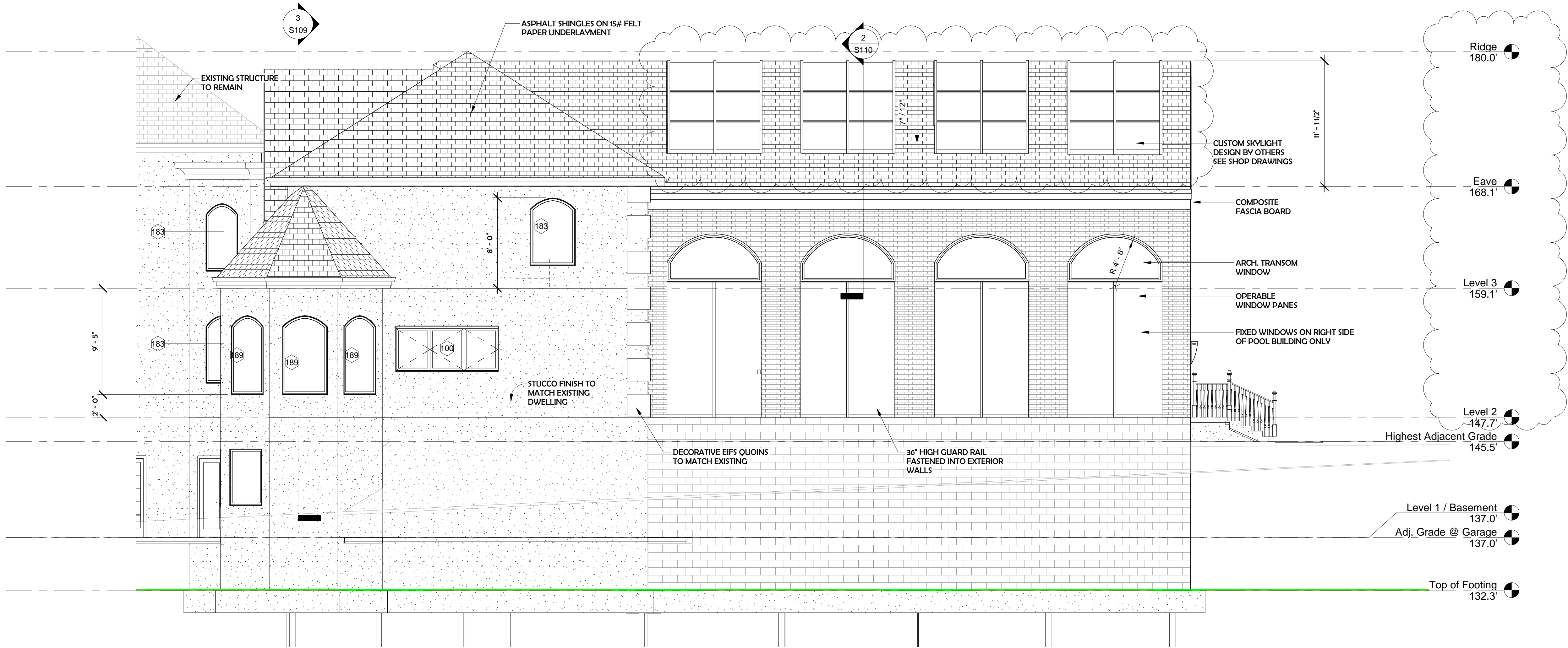


Window Schedule						
Type Mark	Family	Count	Width	Height	Family and Type	
100	Window-Sierra-Bi-Fold-Clad-Full-Glass-3-Panel-Inswing-Marginal	1	9' - 0"	4' - 0"	Window-Sierra-Bi-Fold-Clad-Full-Glass-3-Panel-Inswing-Marginal: LLY ZRR	
153	Casement with Trim	3	4' - 0"	5' - 0"	Casement with Trim: 36" x 60"	
176	Window-Radius-Milgard-Tuscany_Series-Arch_Top	8	8' - 3"	4' - 1 1/2"	Window-Radius-Milgard-Tuscany_Series-Arch_Top: Eyebrow Window 2	
183	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom_Casement	17	4' - 0"	6' - 0"	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom_Casement: 6' TALL	
184	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom - no casement	2	4' - 0"	7' - 0"	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom - no casement: Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom_Casement	
189	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom - 7 FT TALL	6	4' - 0"	7' - 0"	Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom - 7 FT TALL : Window-Radius-Milgard-Tuscany_Series-Arch_Top_Double_Bottom_Casement	

Door Schedule					
Type Mark	Family and Type			Count	Height
1	Single-Flush: 36" x 84"			9	7' - 0"
5	Single-Flush: 30" x 80"			7	6' - 8"
7	Single-Flush: 34" x 80"			6	6' - 8"
8	Single-Raised Panel with Sidelights: 36" x 84"			1	7' - 0"
35	Bifold-4 Panel: 72" x 84"			1	7' - 0"
39	Single-Pocket: 36" x 80"			1	6' - 8"
54	Single-Glass 2: 36" x 84"			4	7' - 0"
57	Single-Glass 2: 30" x 84"			7	7' - 0"
82	Door-Exterior-Double-Full Glass-Wood_Clad: 68" x 96"			1	8' - 0"
85	Door-Garage-CHD-4000-Wood-Single: 16'-0"x9'-0"			1	9' - 0"
86	Door-Double-Flush_Panel: 72" x 84"			1	7' - 0"
88	Door-Exterior-Double-Full Glass-Wood_Clad: 68" x 84"			3	7' - 0"
90	Door-Garage-CHD-4000-Wood-Single: 16'-0"x8'-0"			2	8' - 0"
91	Multi_Panels_Pocket_Door_5932: Nesting tri-panel door			1	9' - 6"

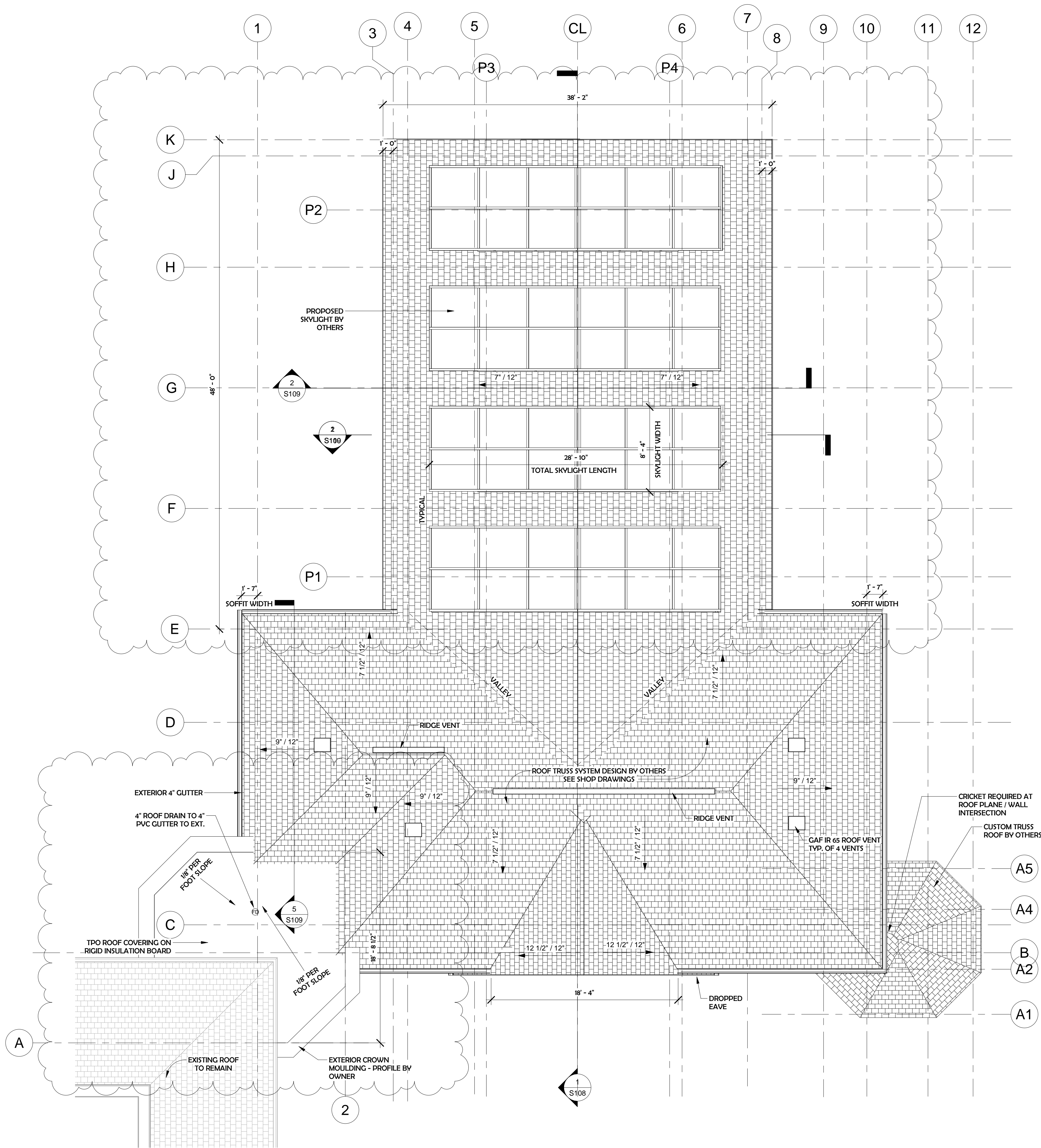


① Left Elevation  
3/16" = 1'-0"

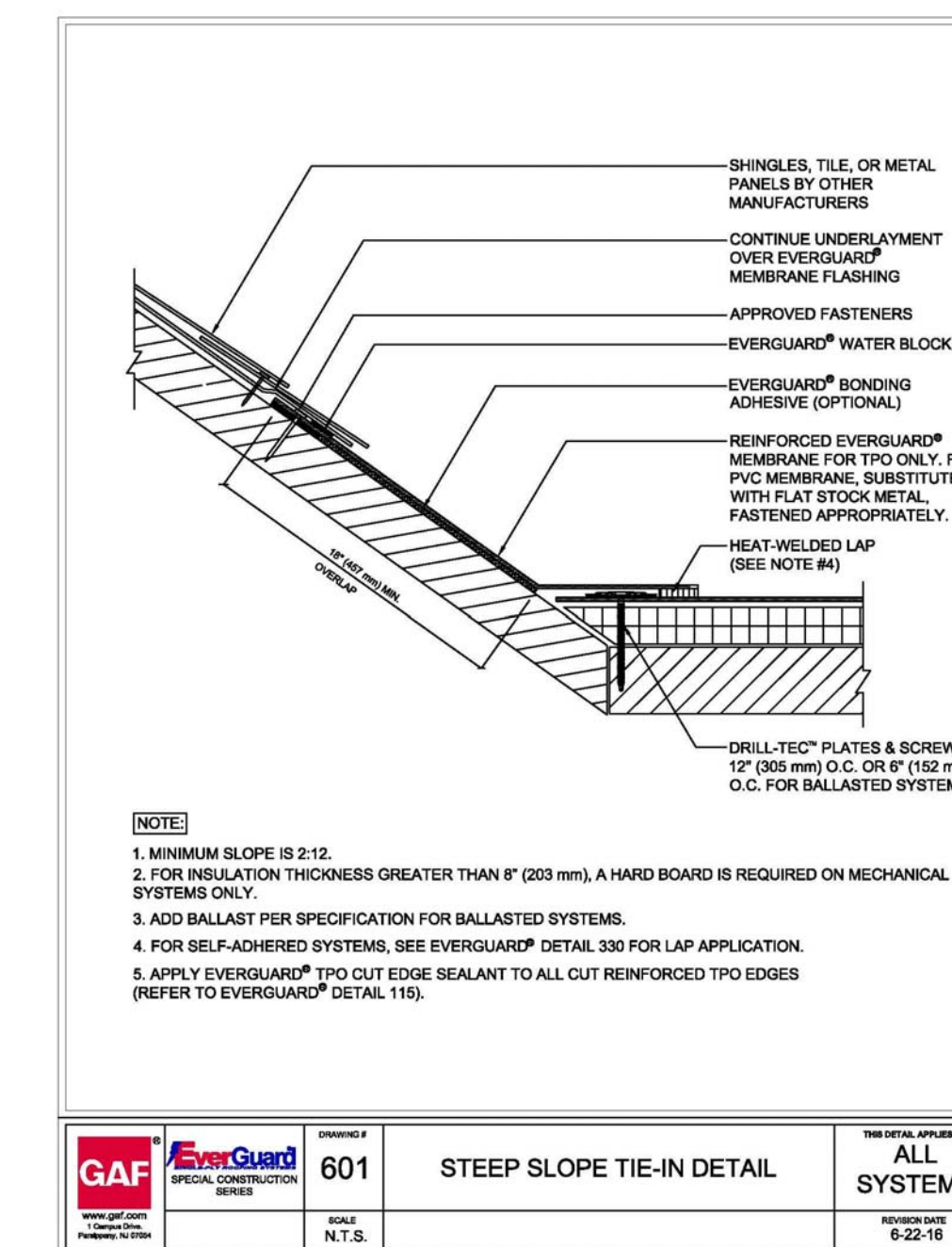
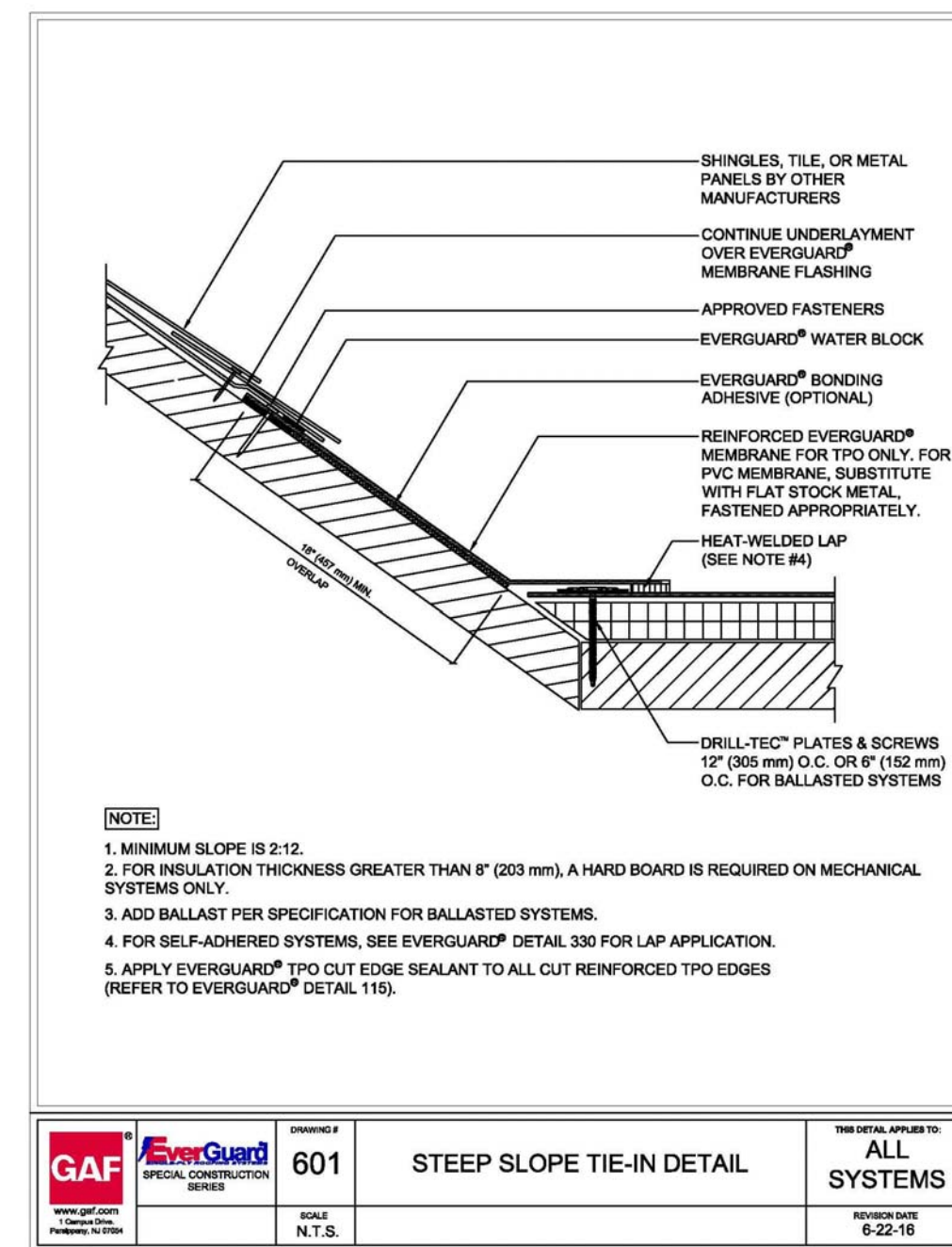


② Right Elevation  
3/16" = 1'-0"

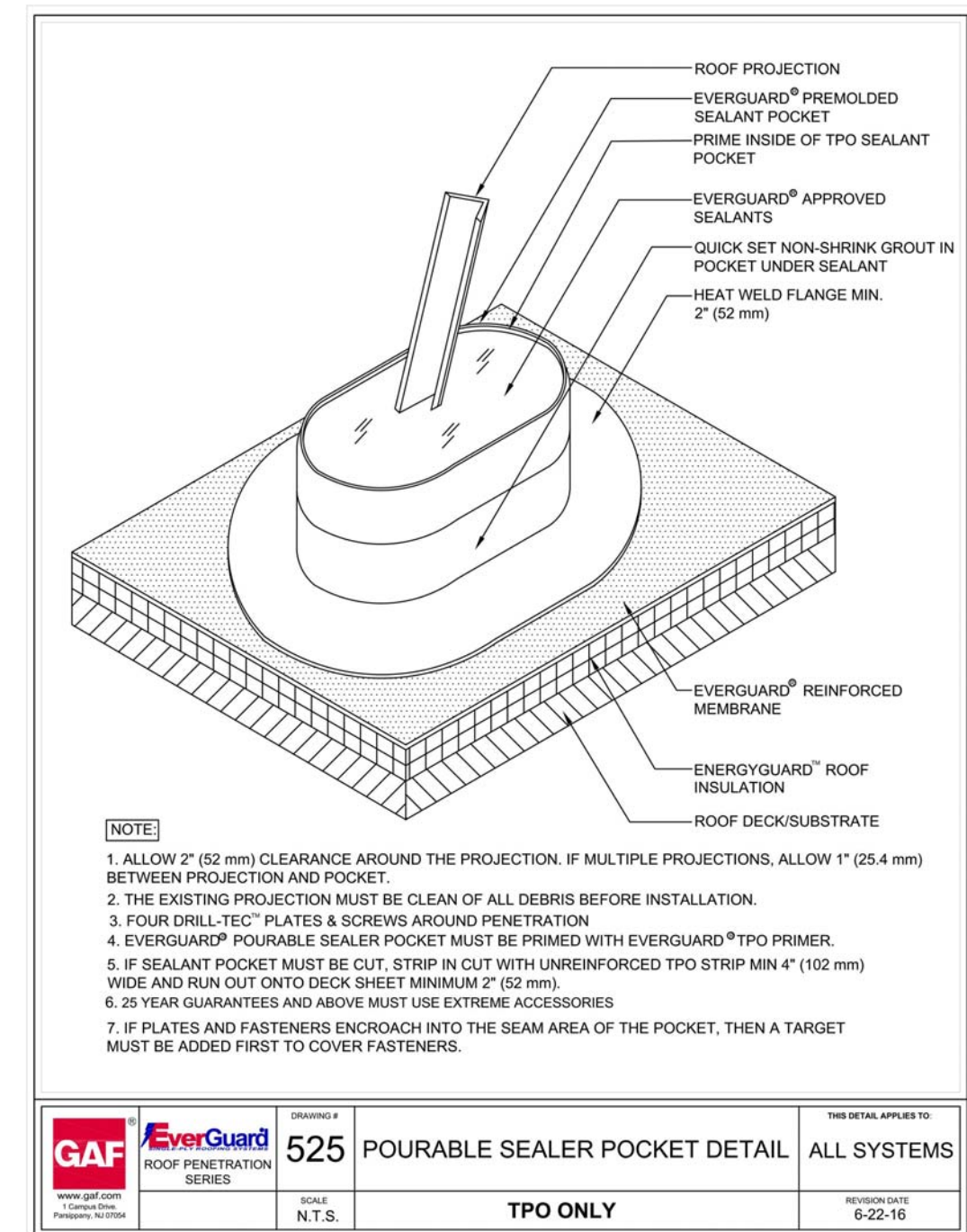
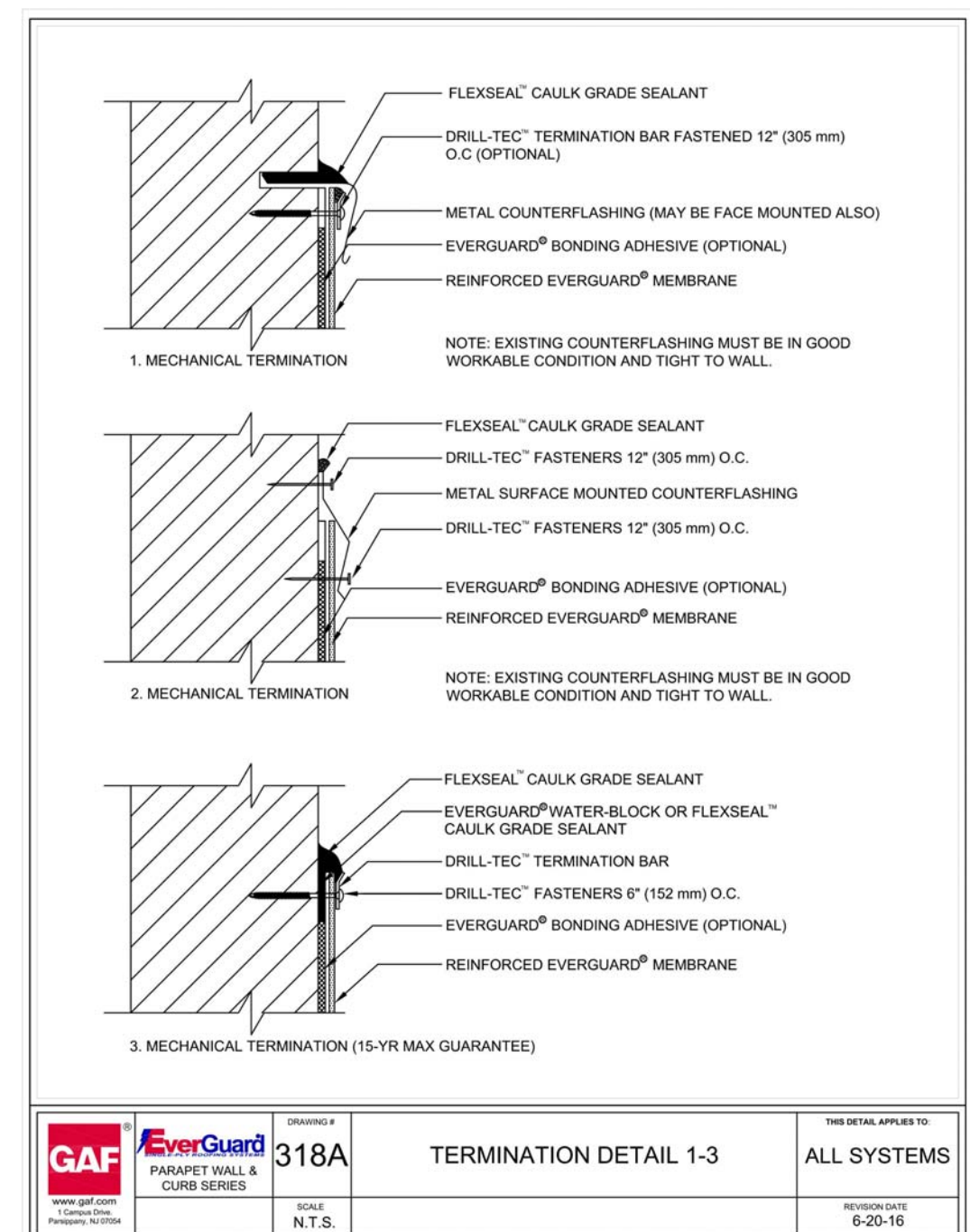
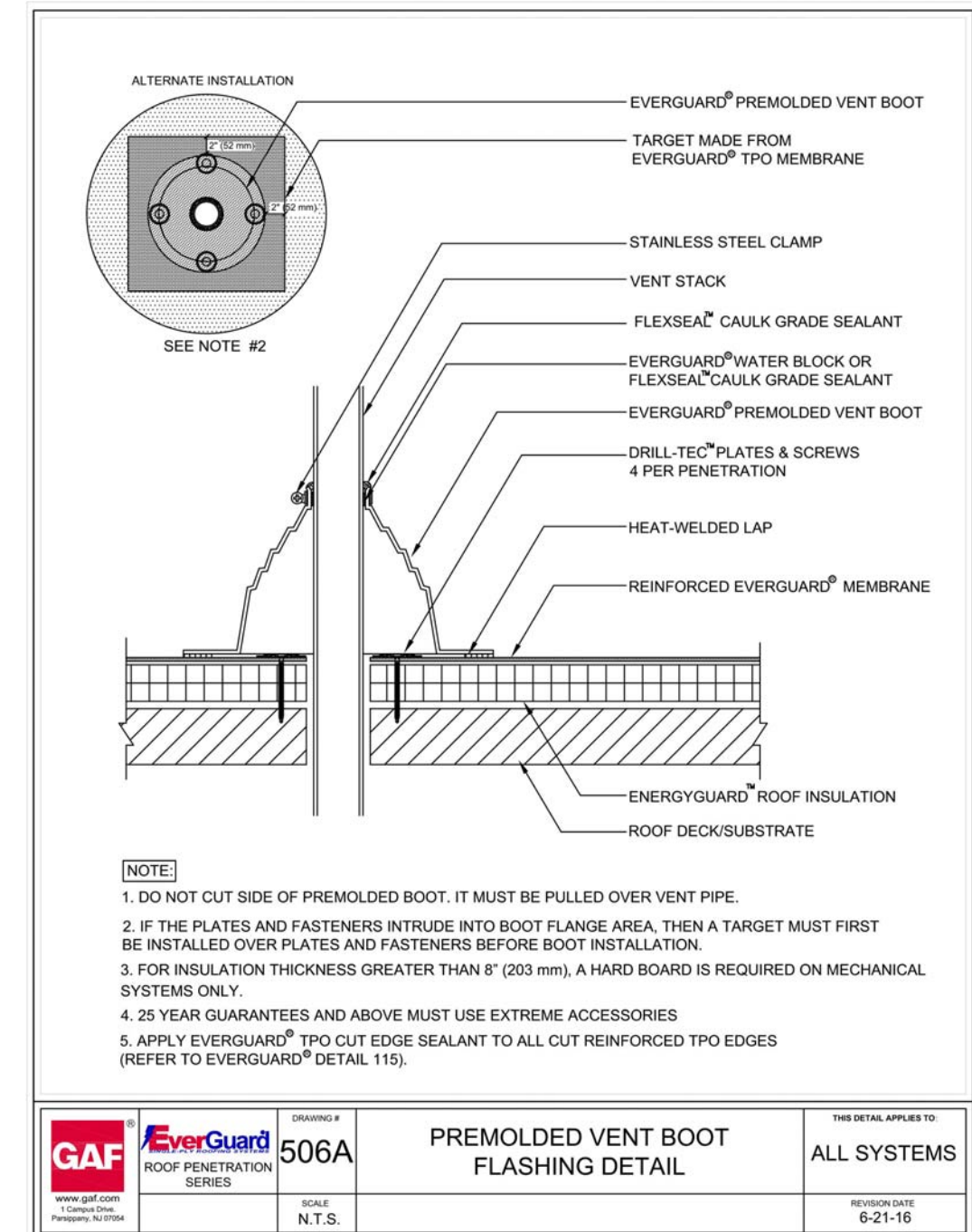




1 Roof Framing Plan  
3/16" = 1'-0"



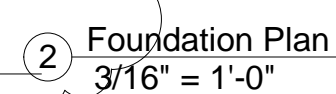
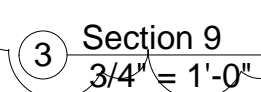
<b>ATTIC VENTILATION</b>	
<b>ATTIC SF:</b>	<b>2500 SF</b>
<b>INTAKE</b>	
<b>MIN. SOFFIT:</b>	<b>67 LF</b>
<b>EXHAUST VENTILATION</b>	
<b>PROVIDED # OF VENTS:</b>	<b>4 IR6s VENTS</b>
<b>PROVIDED RIDGE VENT:</b>	<b>28 LF</b>







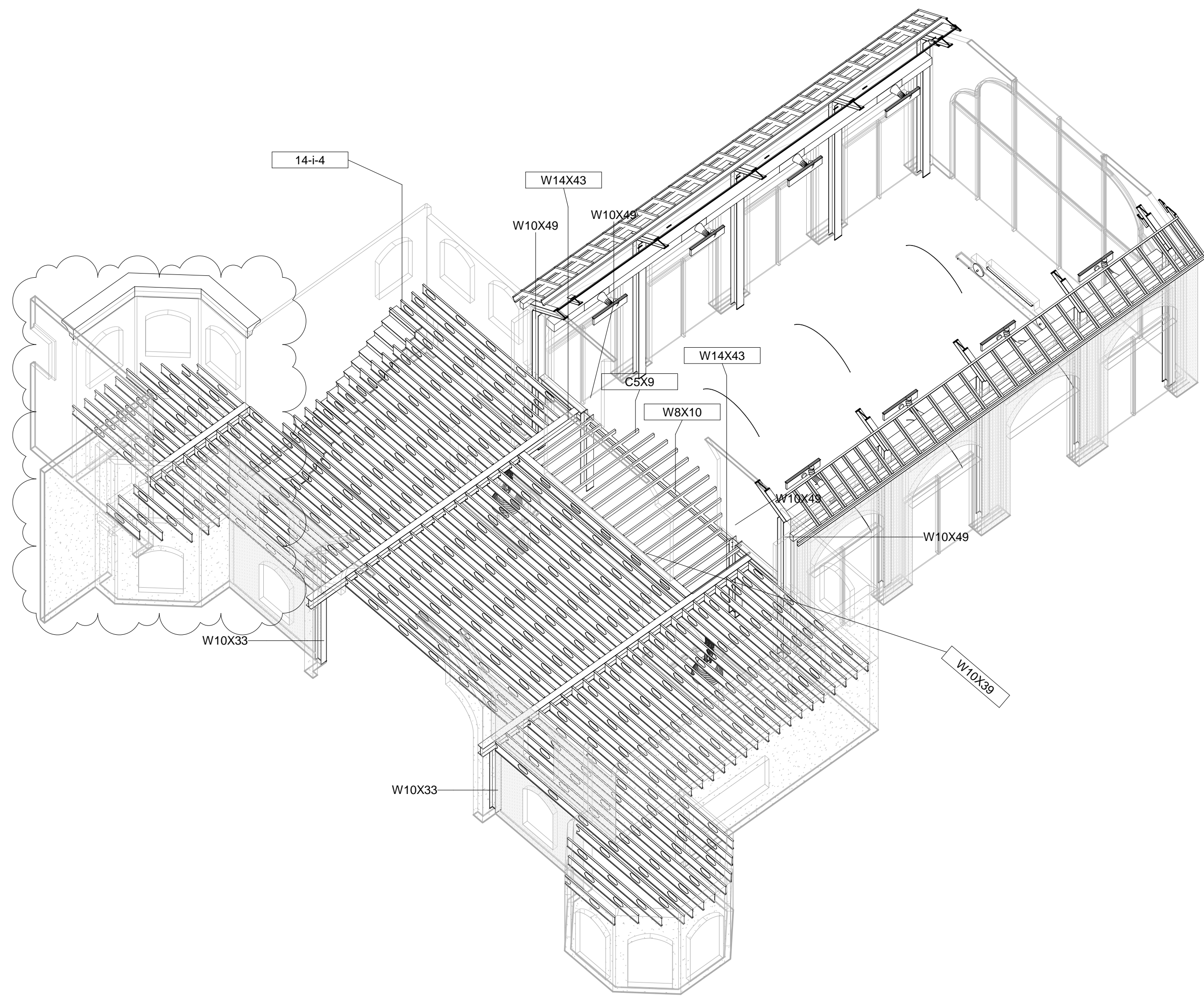




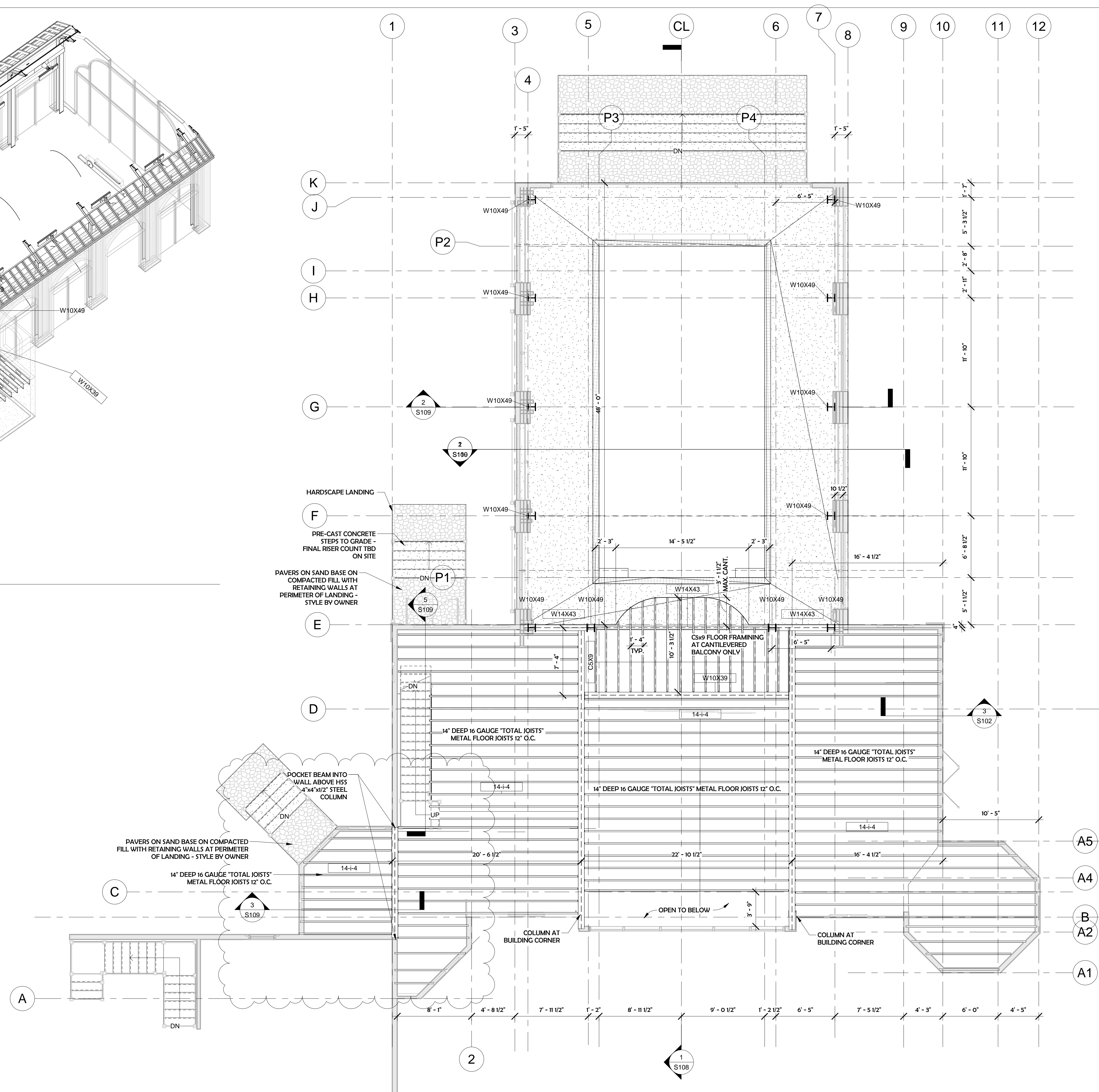






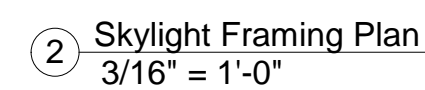
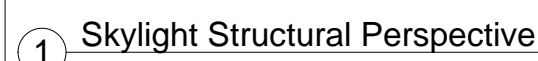


2 Structural 3-D View Copy 1



1 Level 2 Structural Plan  
3/16" = 1'-0"



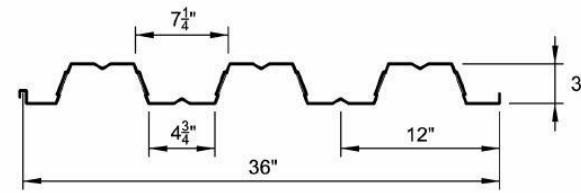
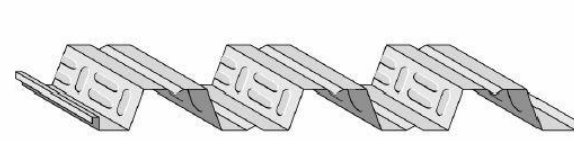




# Steel Deck Design Guide

User Defined Criteria	
Units:	US
Design Method:	LRFD
Deck Application:	Composite
Deck Type:	3.0CD
Gage:	Standard
Yield Stress (ksi):	40 - Standard

US\_LRFD\_C\_30CD\_STD\_40

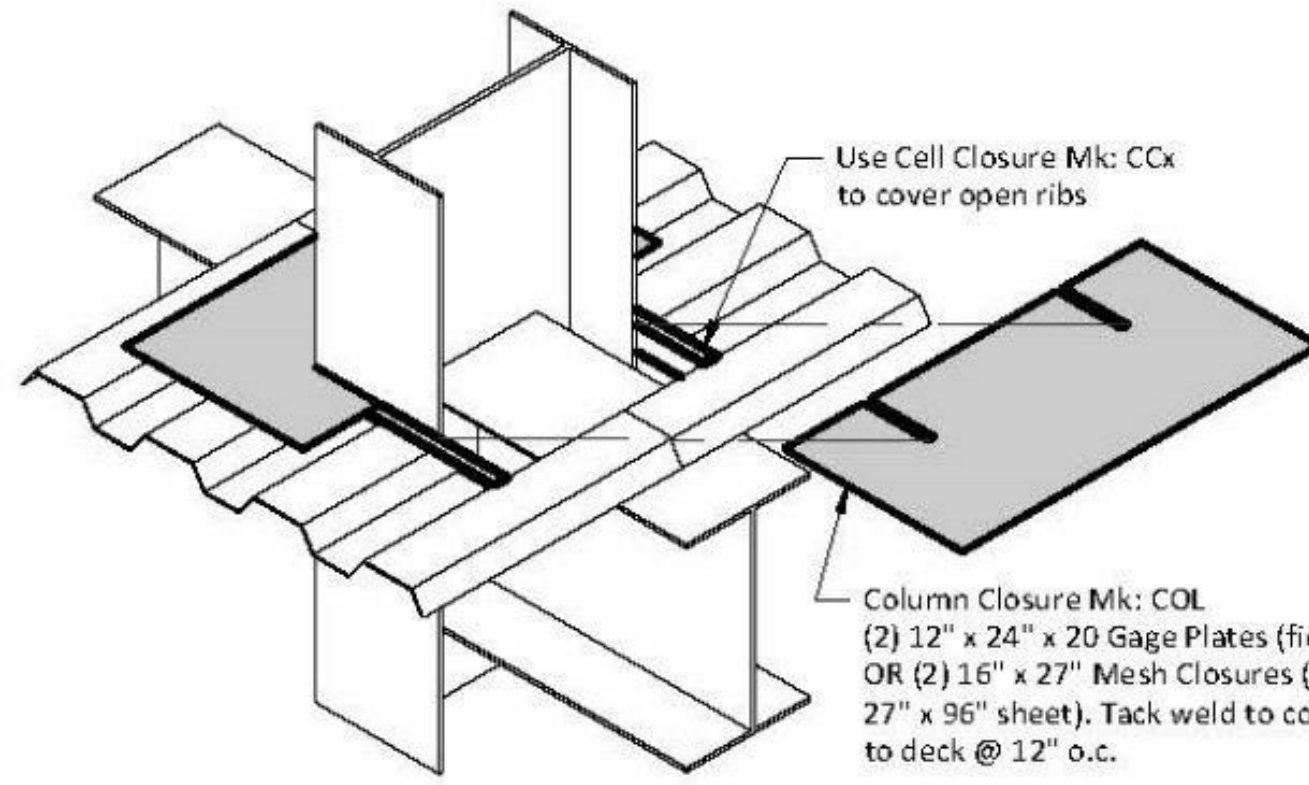
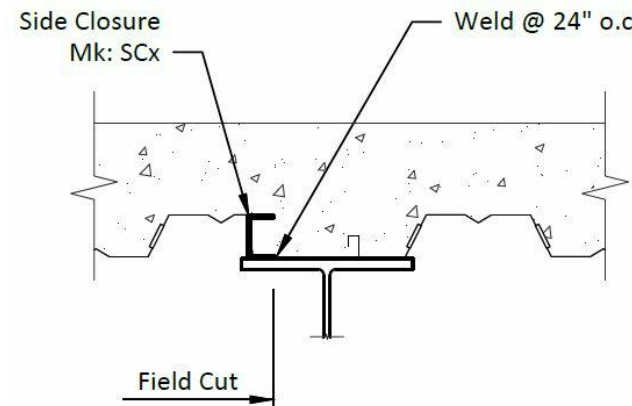
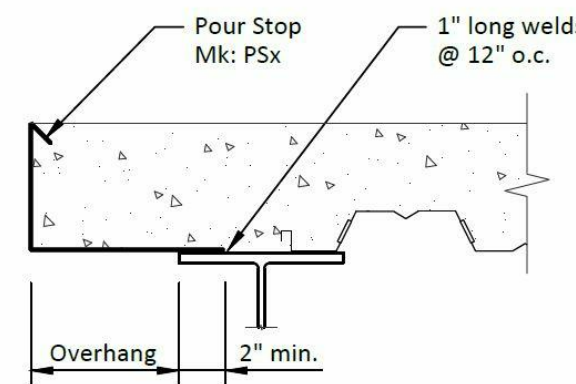


## 3.0CD Deck

- Type 3.0CD has embossments in the vertical ribs that bond with the concrete slab to develop a composite floor system. 3.0CD composite deck acts as a form during the concrete pour enabling the designer to space the structural members to over 16'-0" on center without any additional shoring. Once the concrete cures, the resulting composite floor system provides both superior strength and stiffness.
- Available with interlocking side laps only.
- Also available with rolled-in-hanger tabs

## Note:

- Accessories shall be attached to supporting structure or deck as required for serviceability, but spaced not to exceed criteria shown in details.

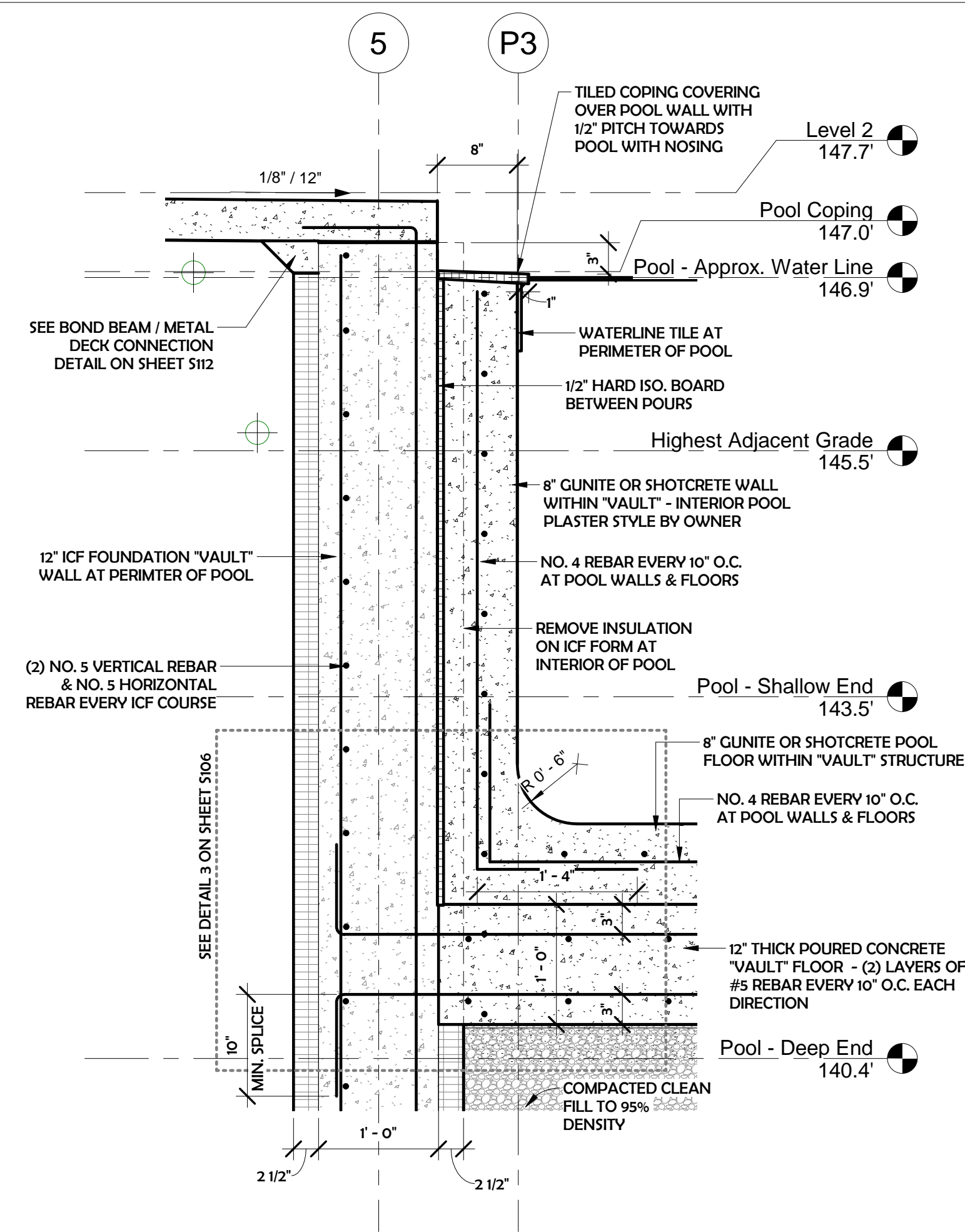


COLUMN CLOSURE DETAIL

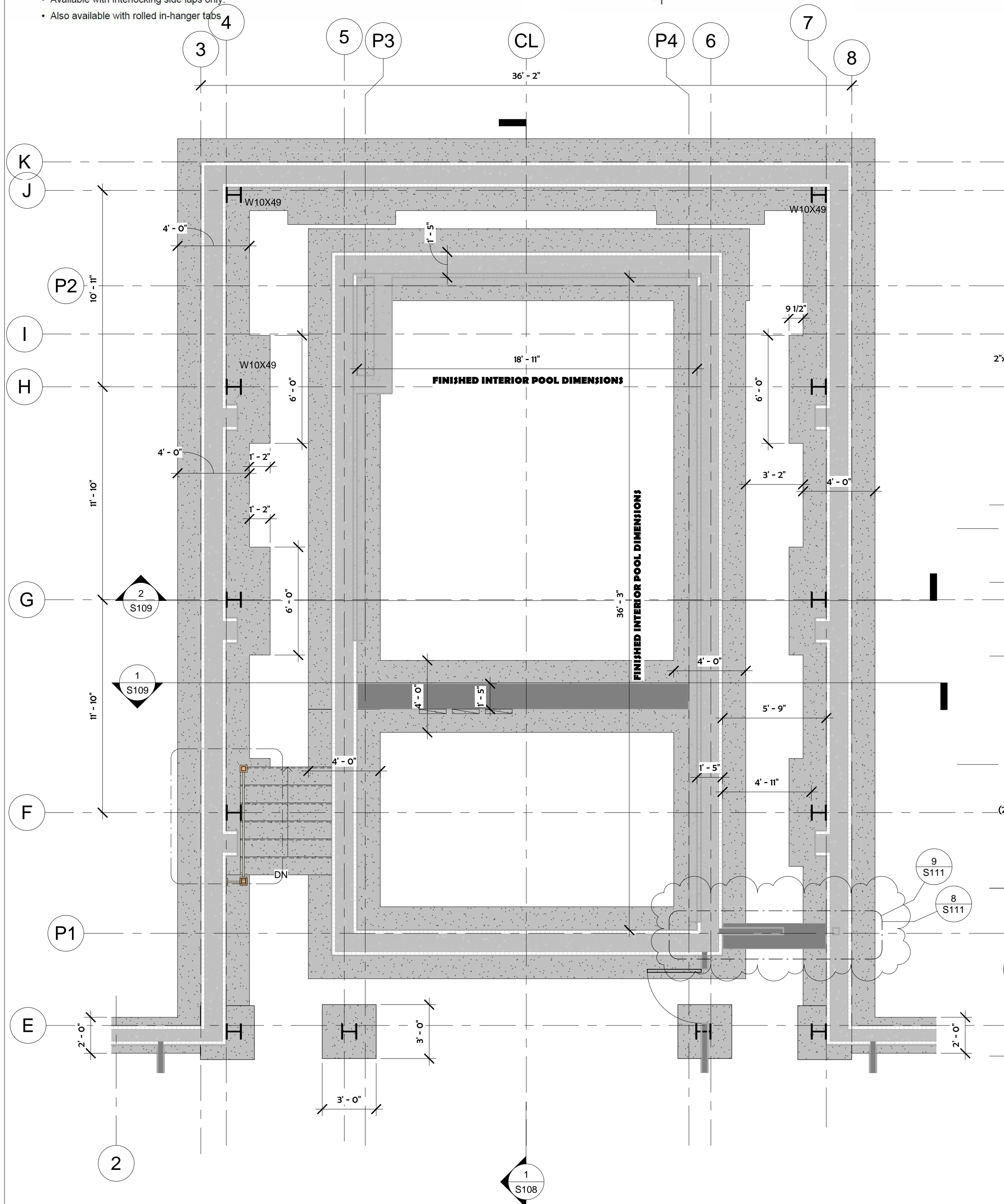


## ROLLED-IN HANGER TAB DETAIL

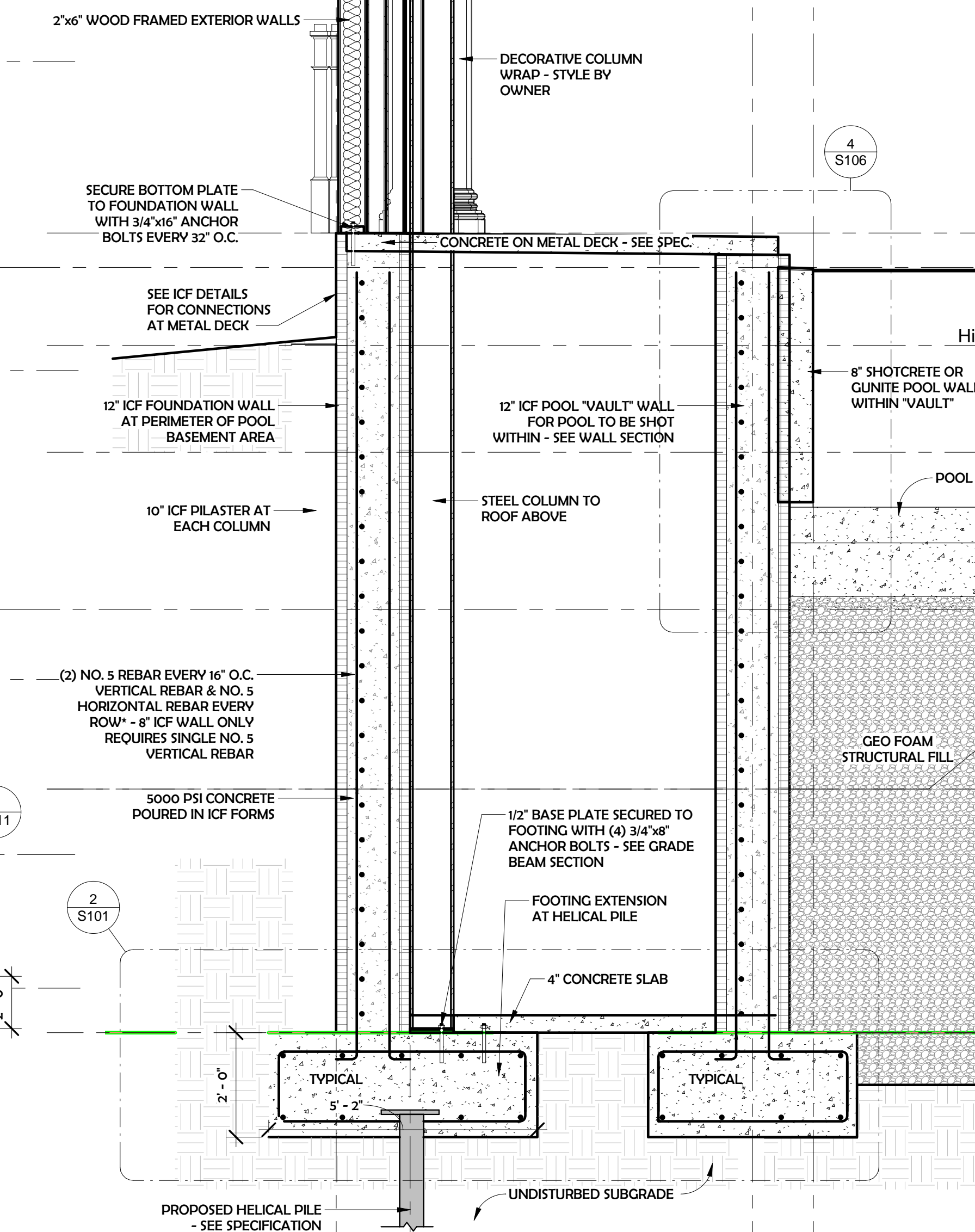
Single tab capacity = 100 lbs.  
Available in deck types B, BA, BI, BIA, 1.5FDR, 1.5FDI, 2.0FD, 3.0FD, 1.5CD, 1.5CDI, 2.0CD, 3.0CD



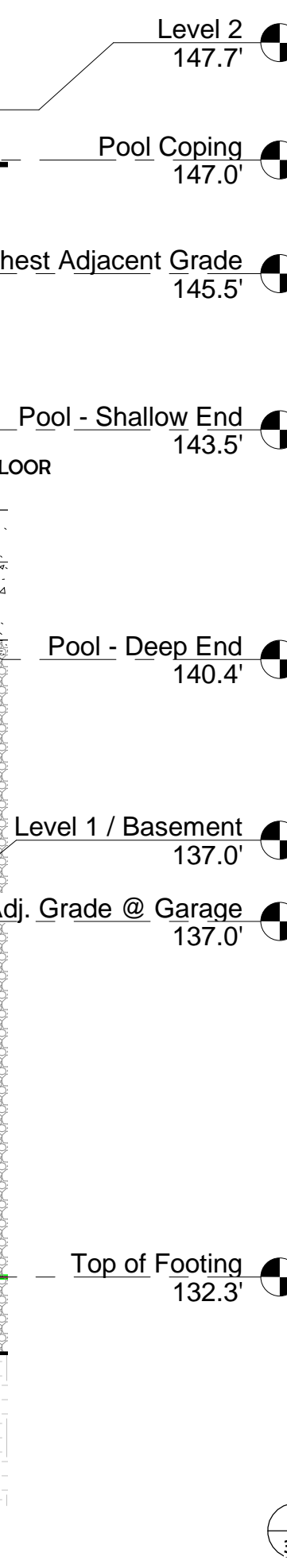
Pool Coping Section  
1" = 1'-0"



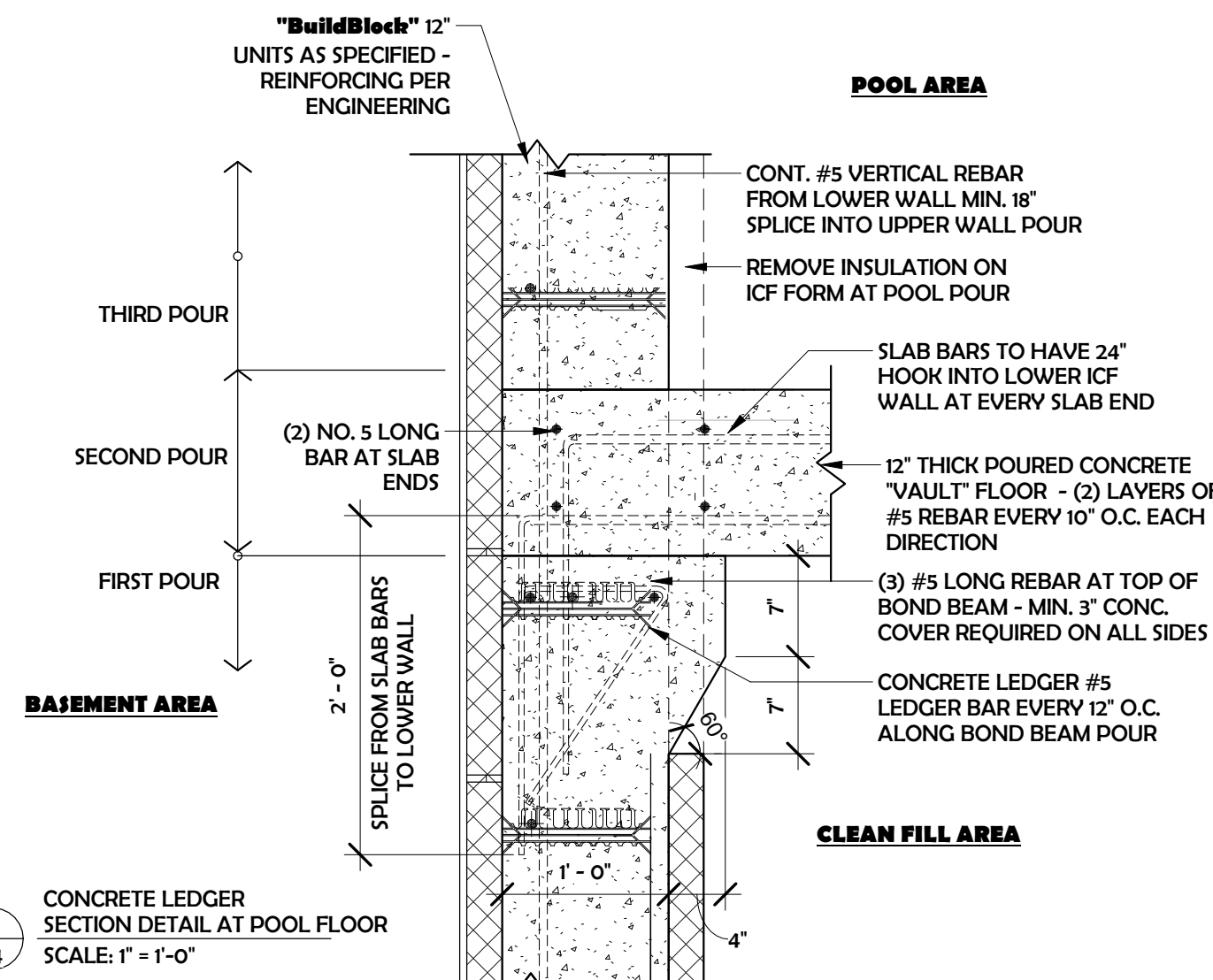
1 Foundation Plan - Callout 1  
1/4" = 1'-0"



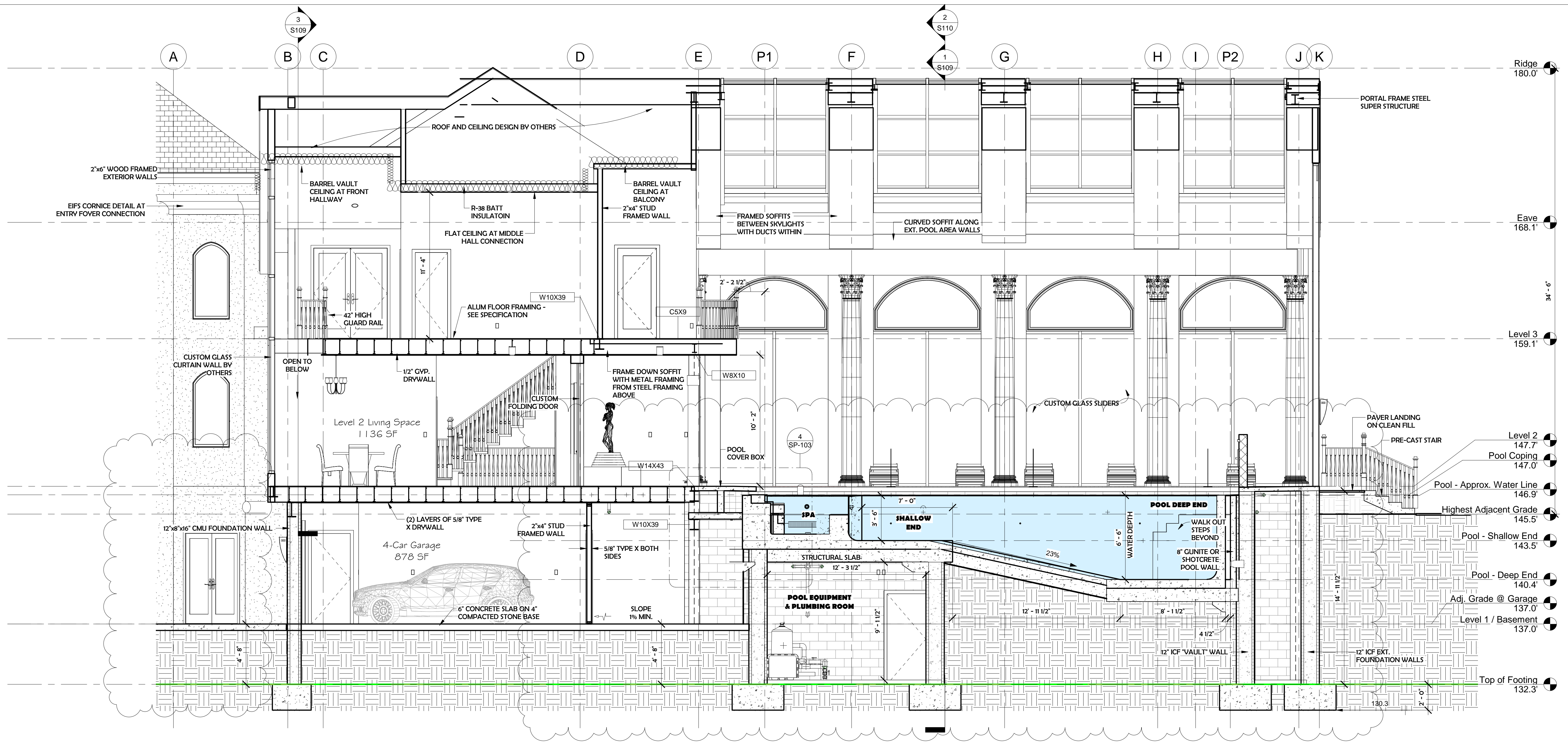
2 Pool Basement & Pool Wall Section  
1/2" = 1'-0"



3 Poured Concrete Floor Intersection Detail  
1" = 1'-0"

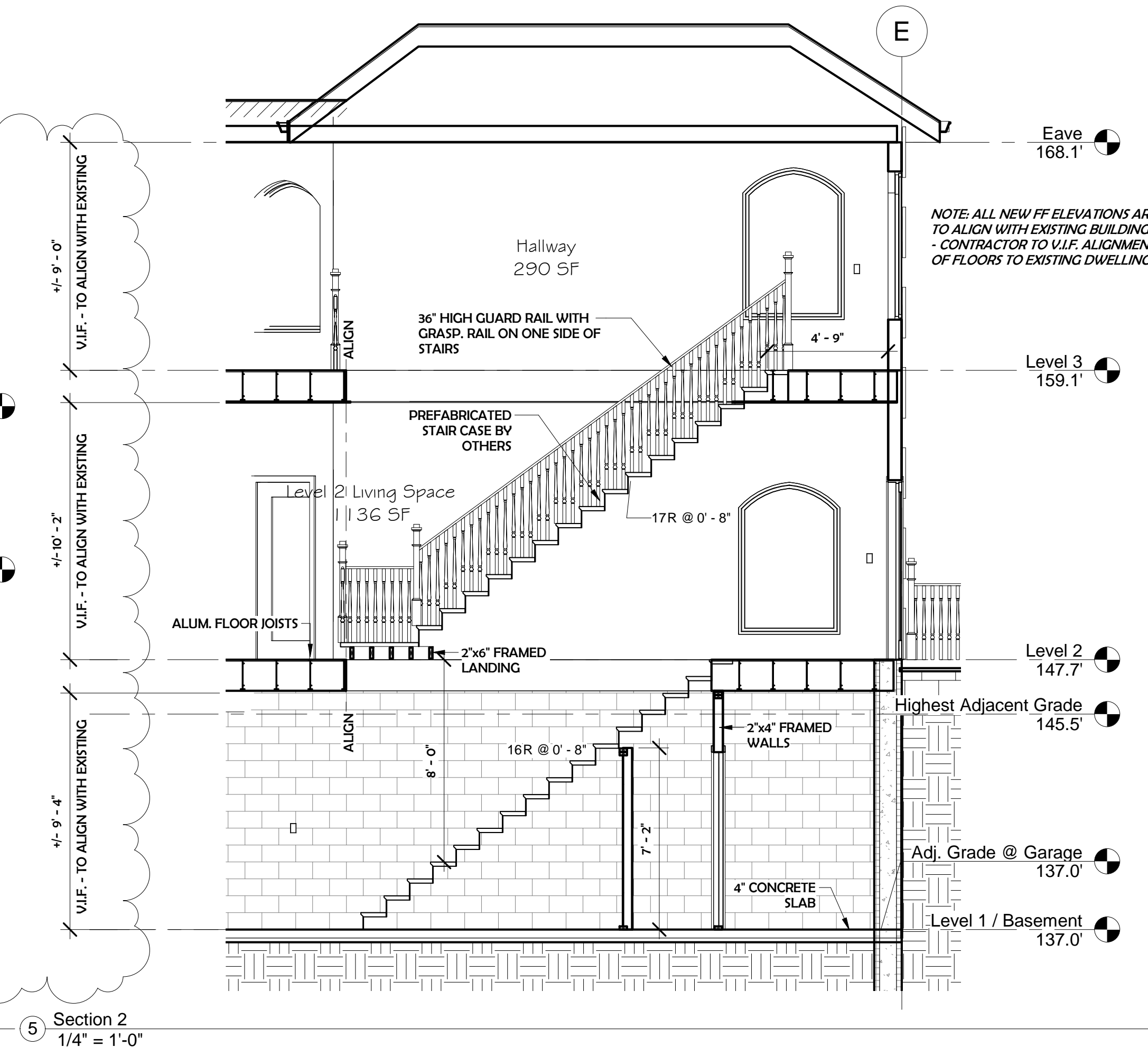
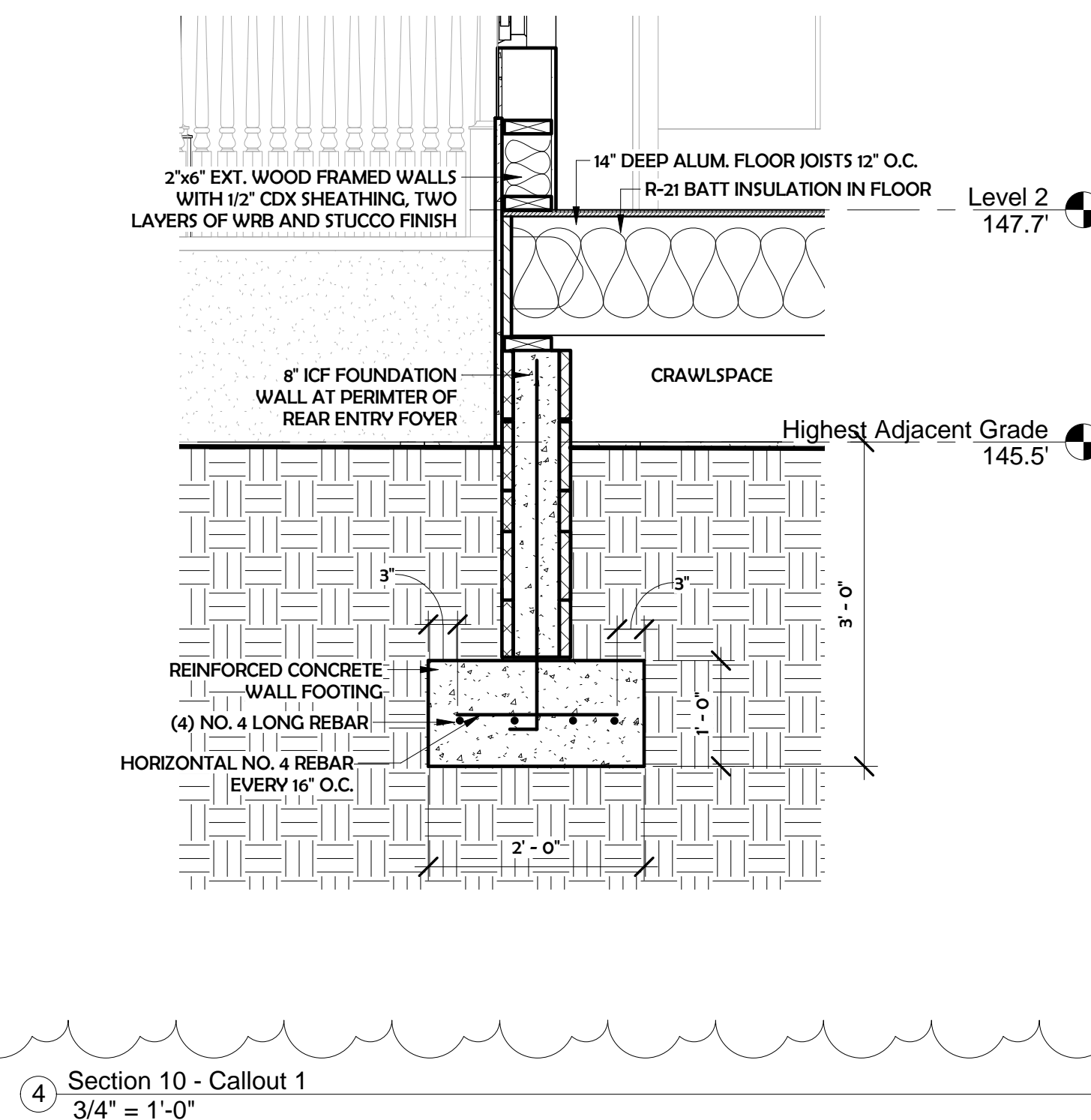
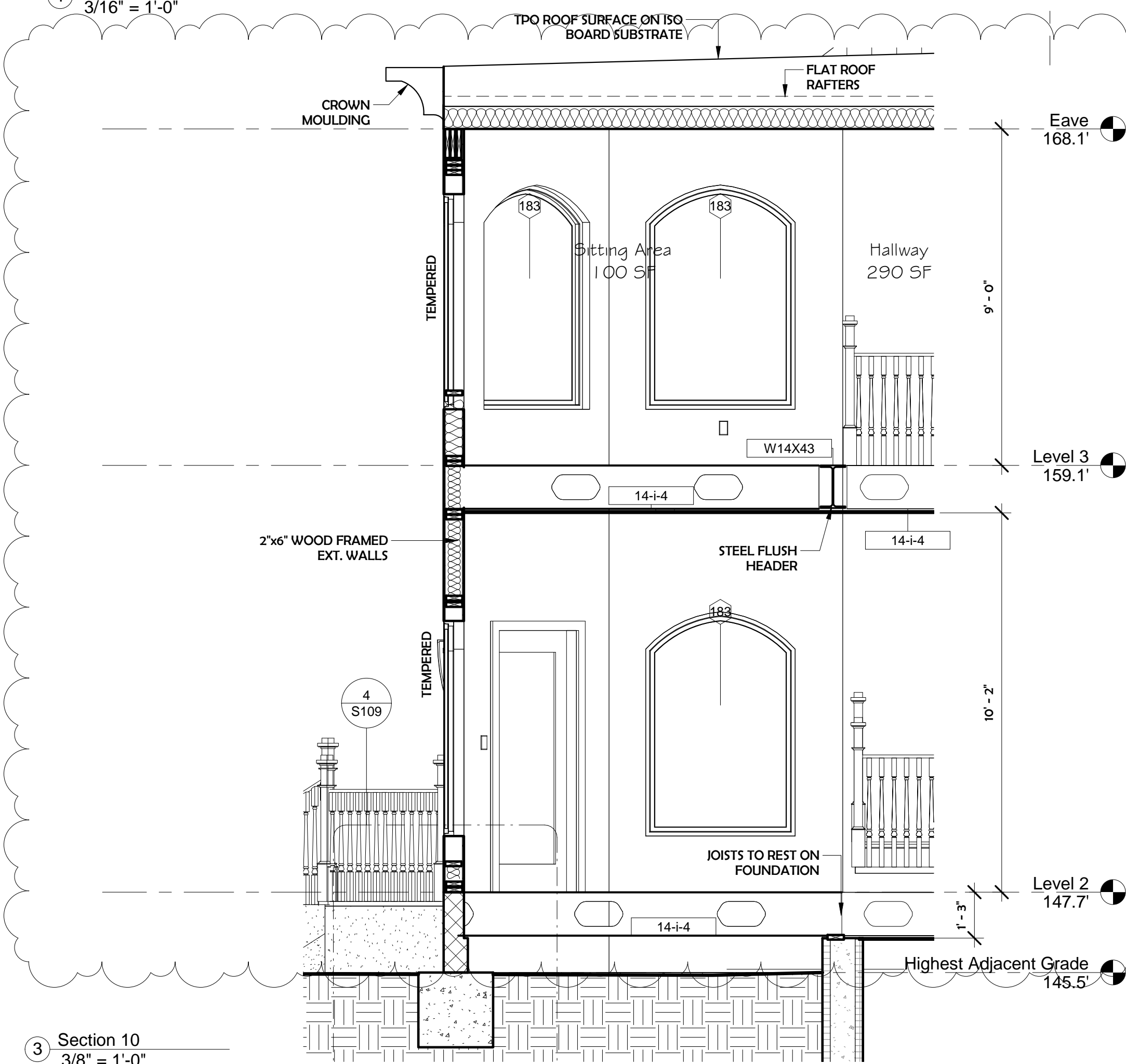
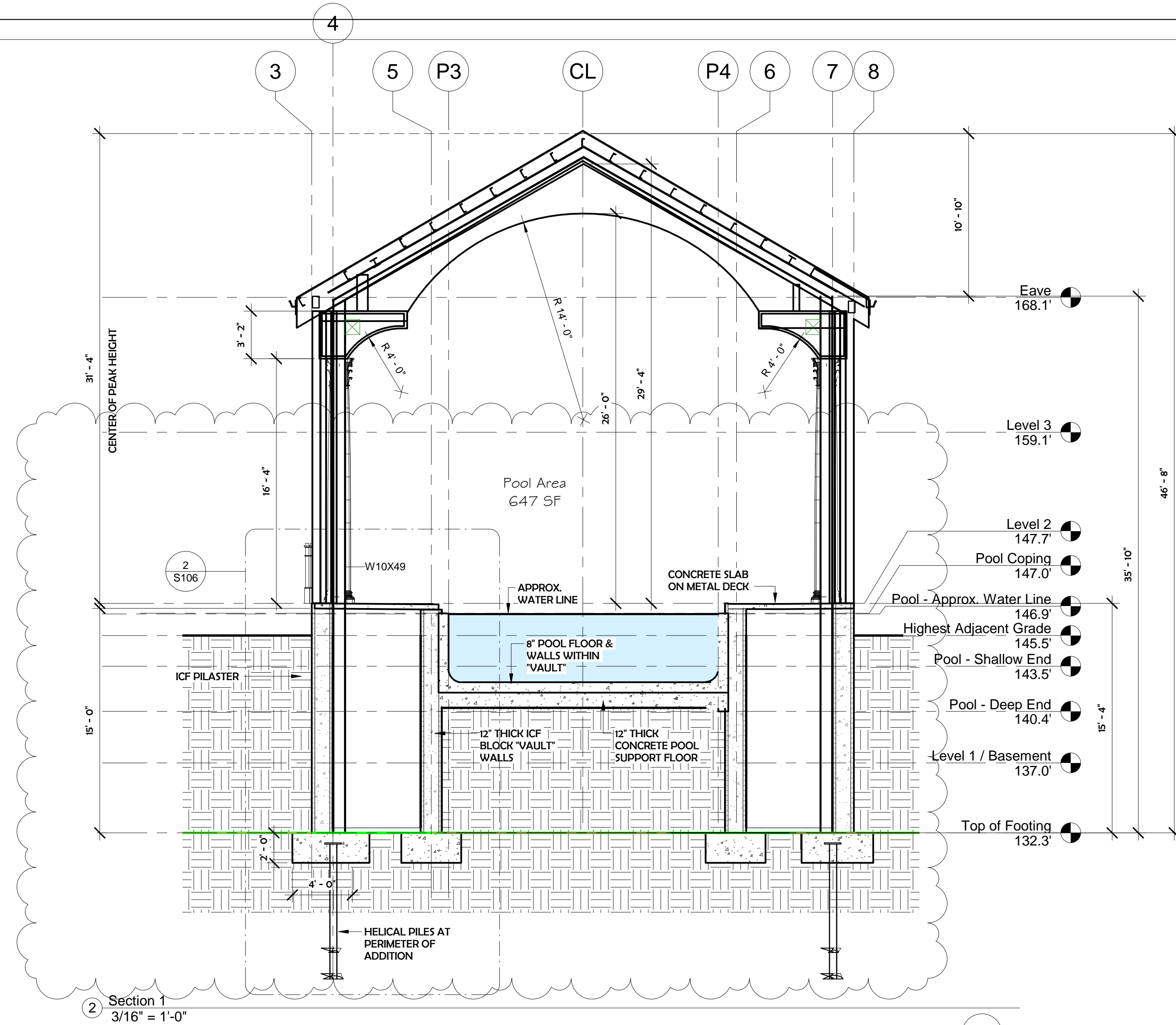
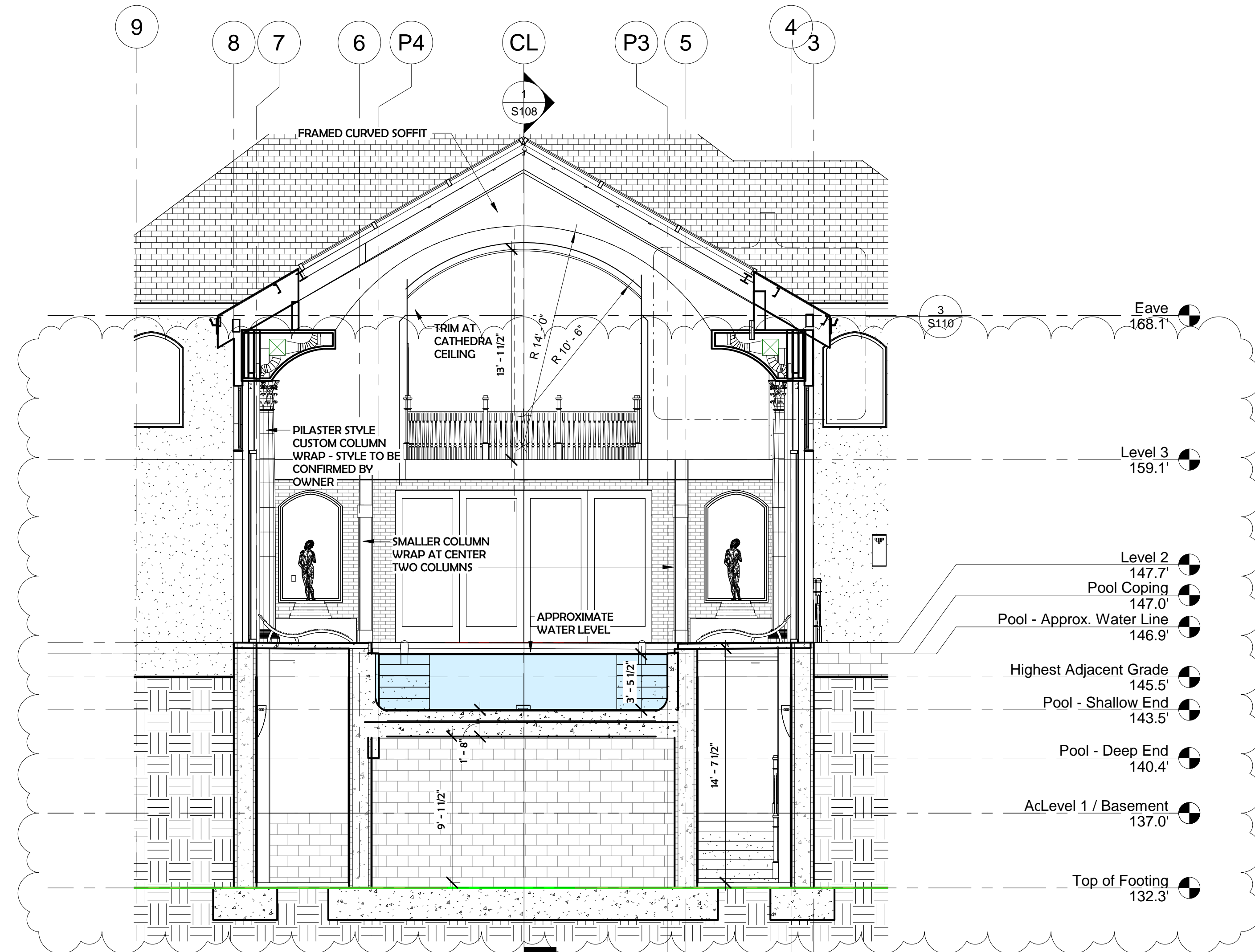




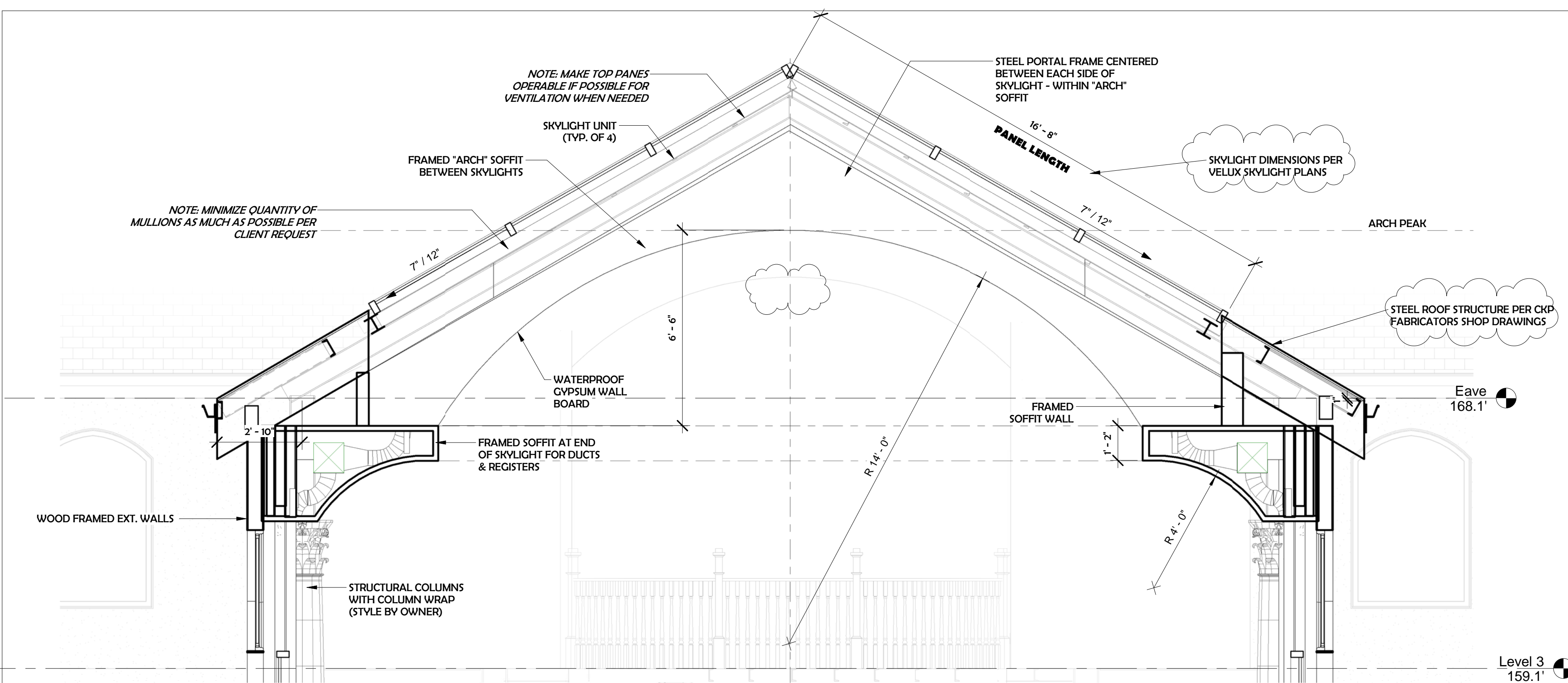


① Section 5  
1/4" = 1'-0"

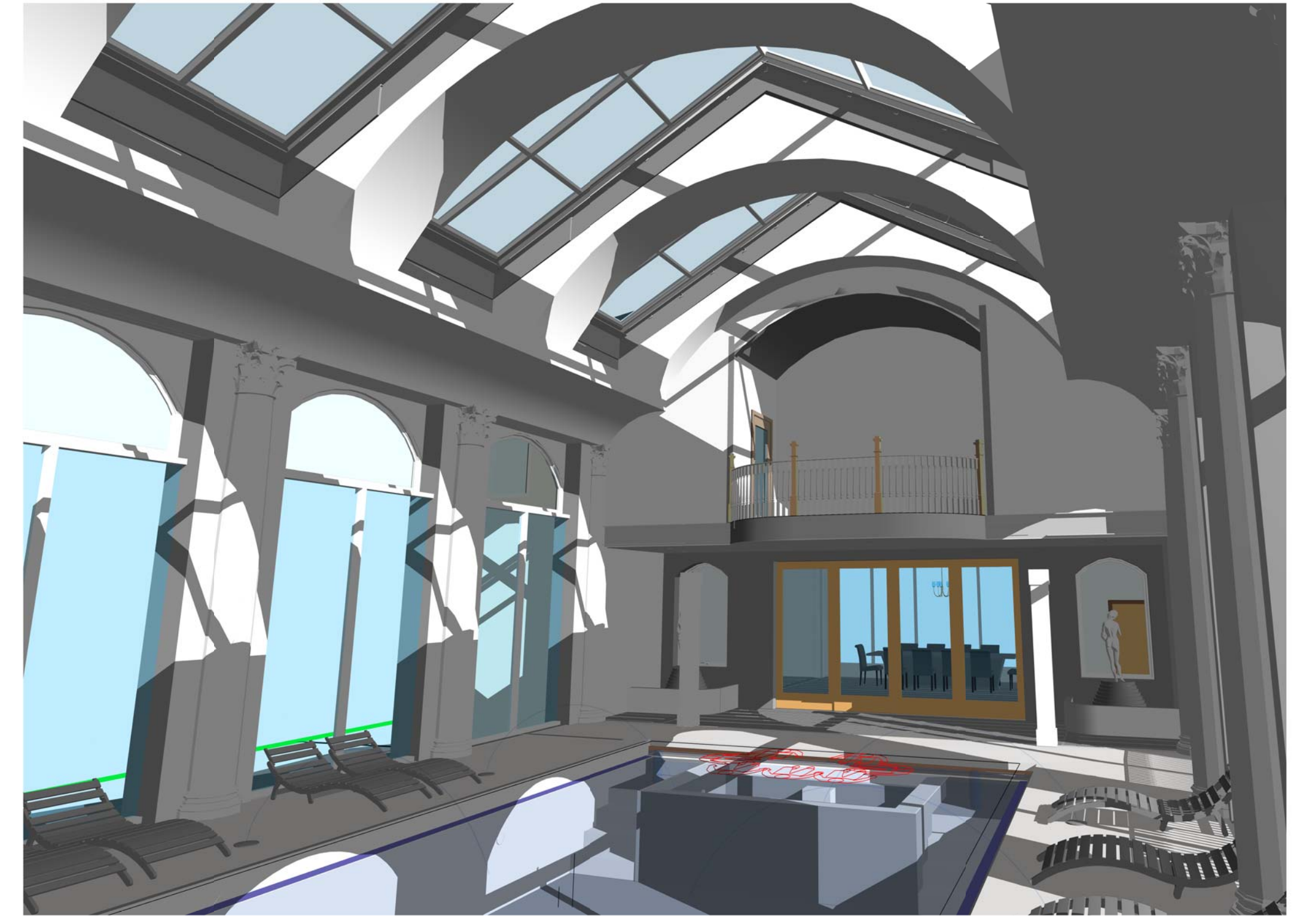




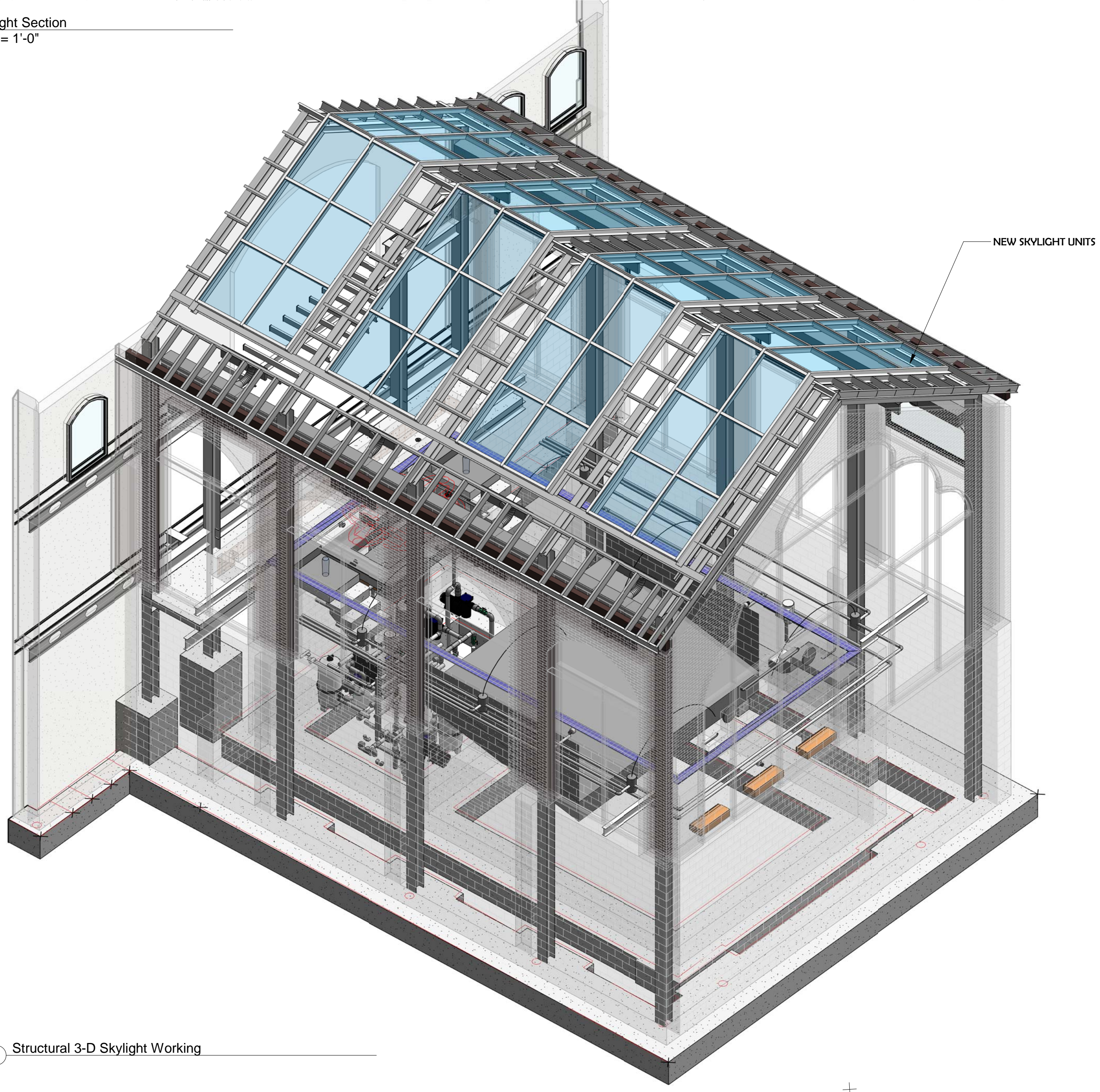




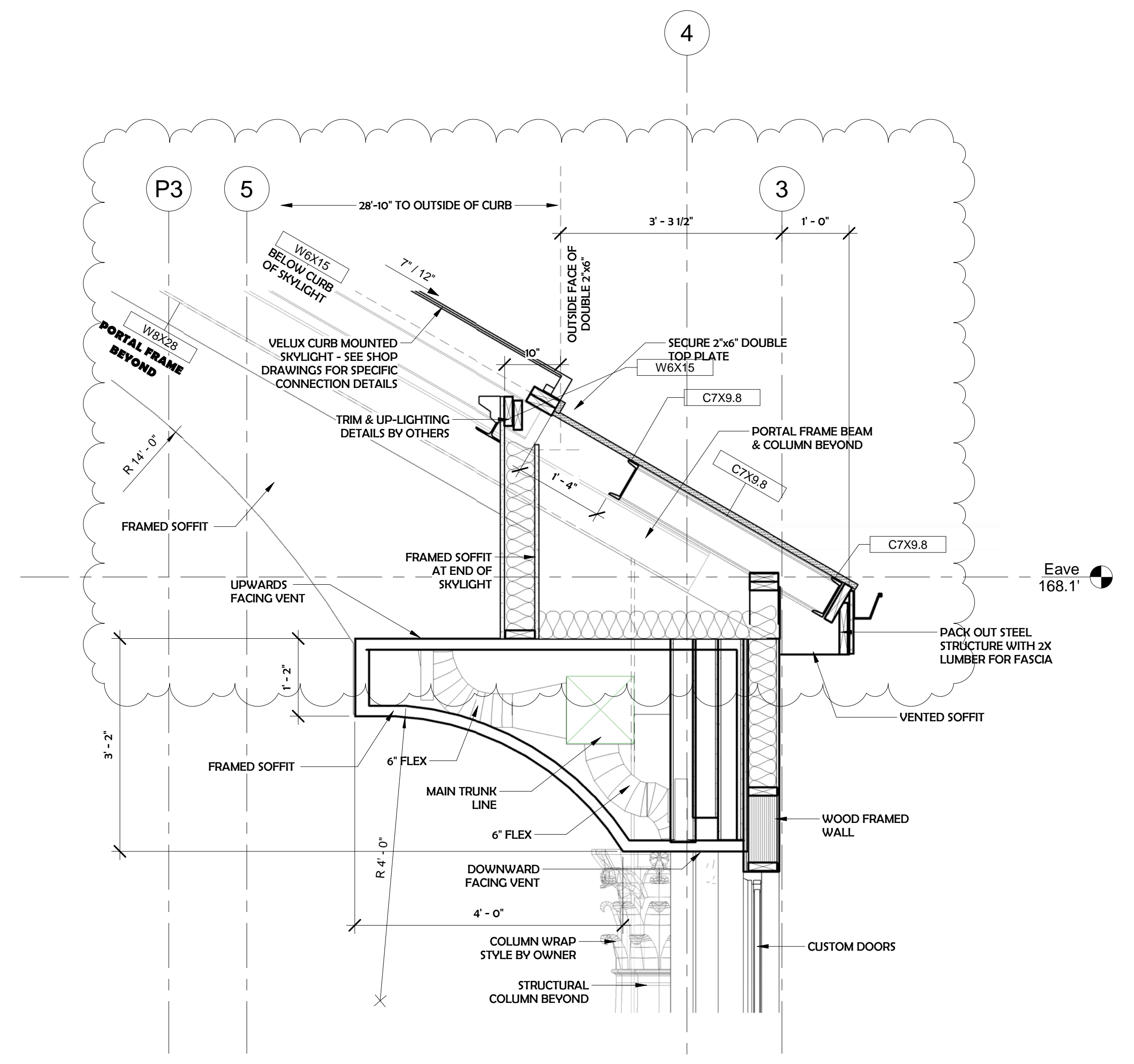
2 Skylight Section  
3/8" = 1'-0"



4 3D View 9

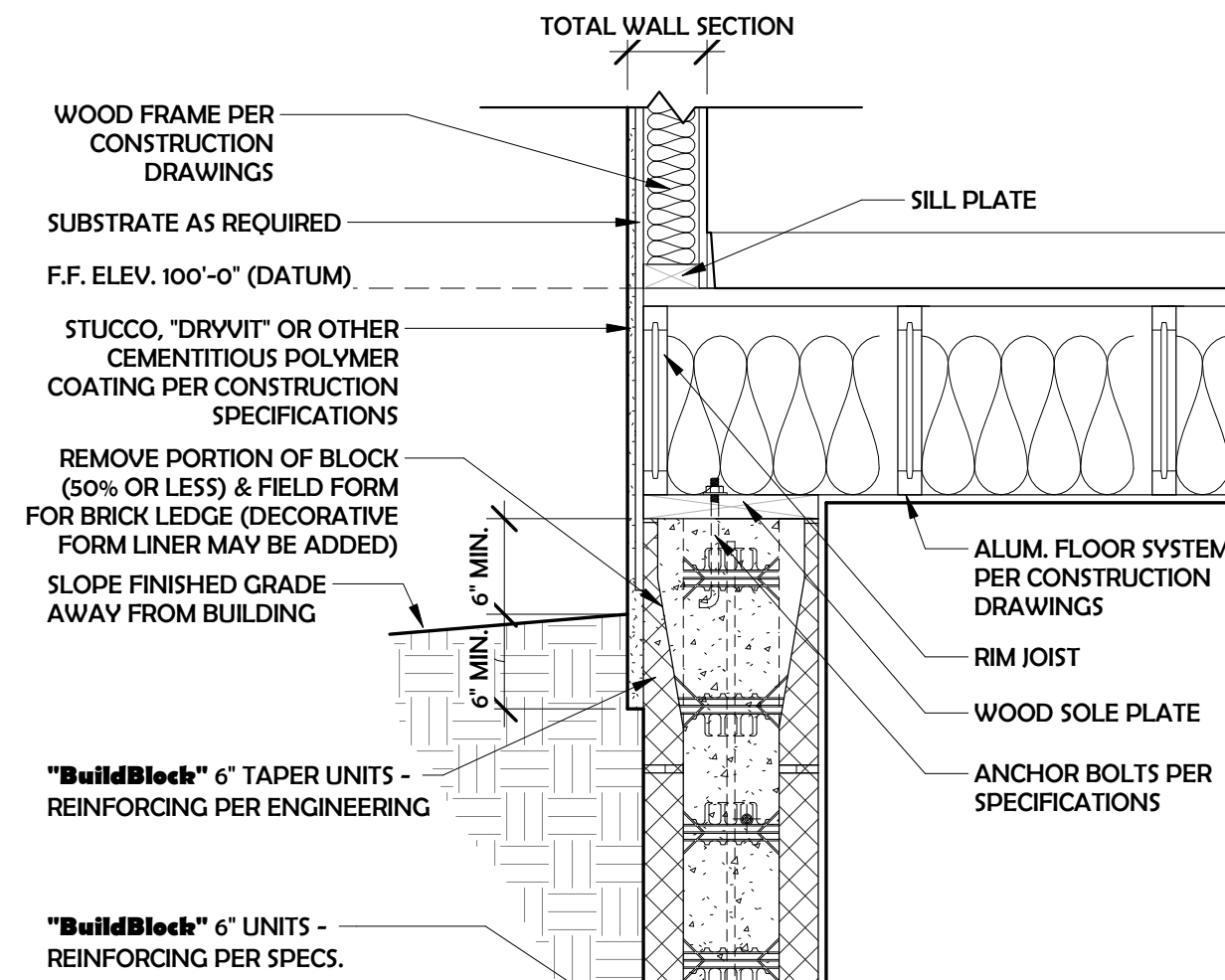


1 Structural 3-D Skylight Working



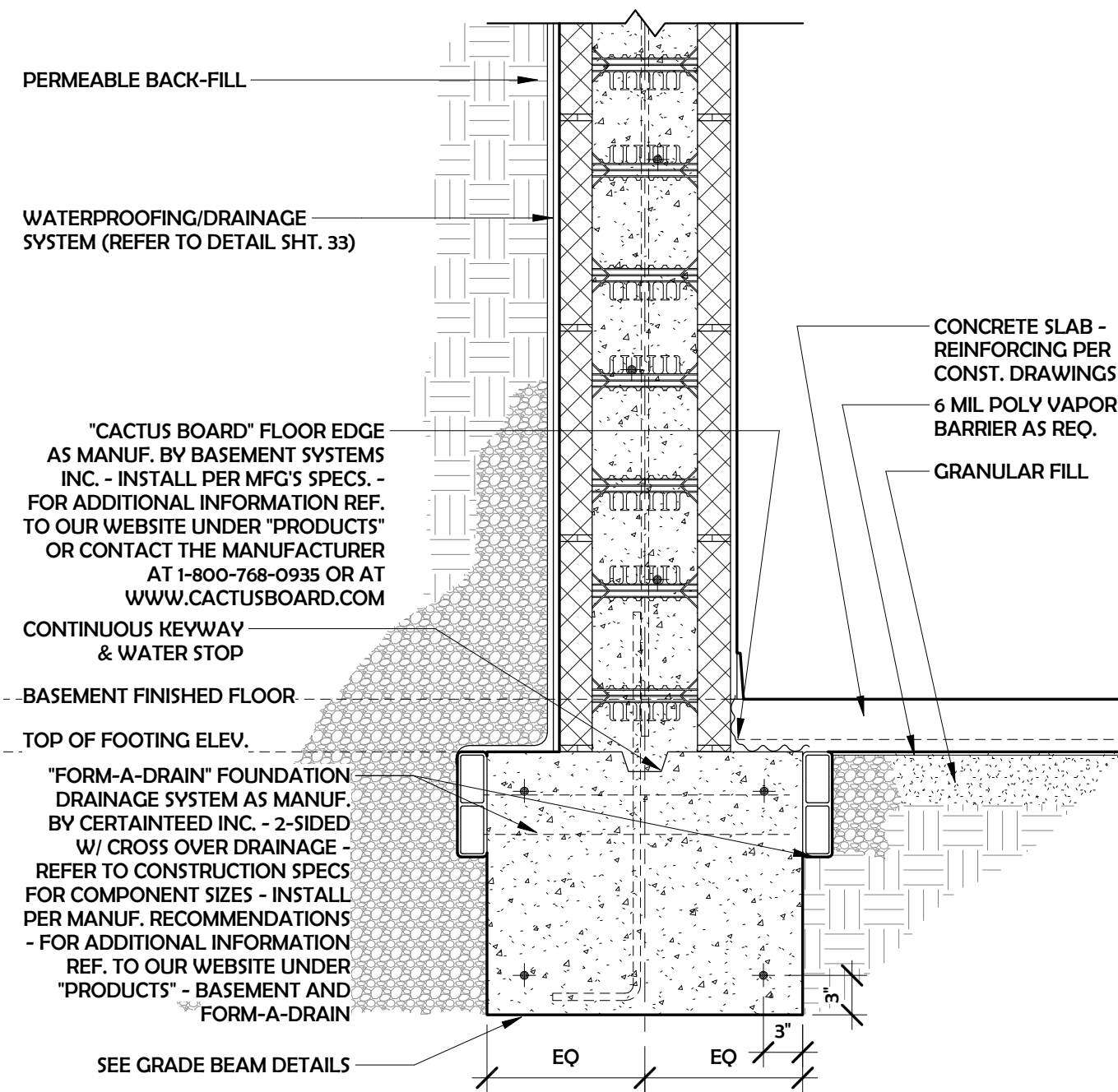
3 Section at Skylight Eave  
3/4" = 1'-0"





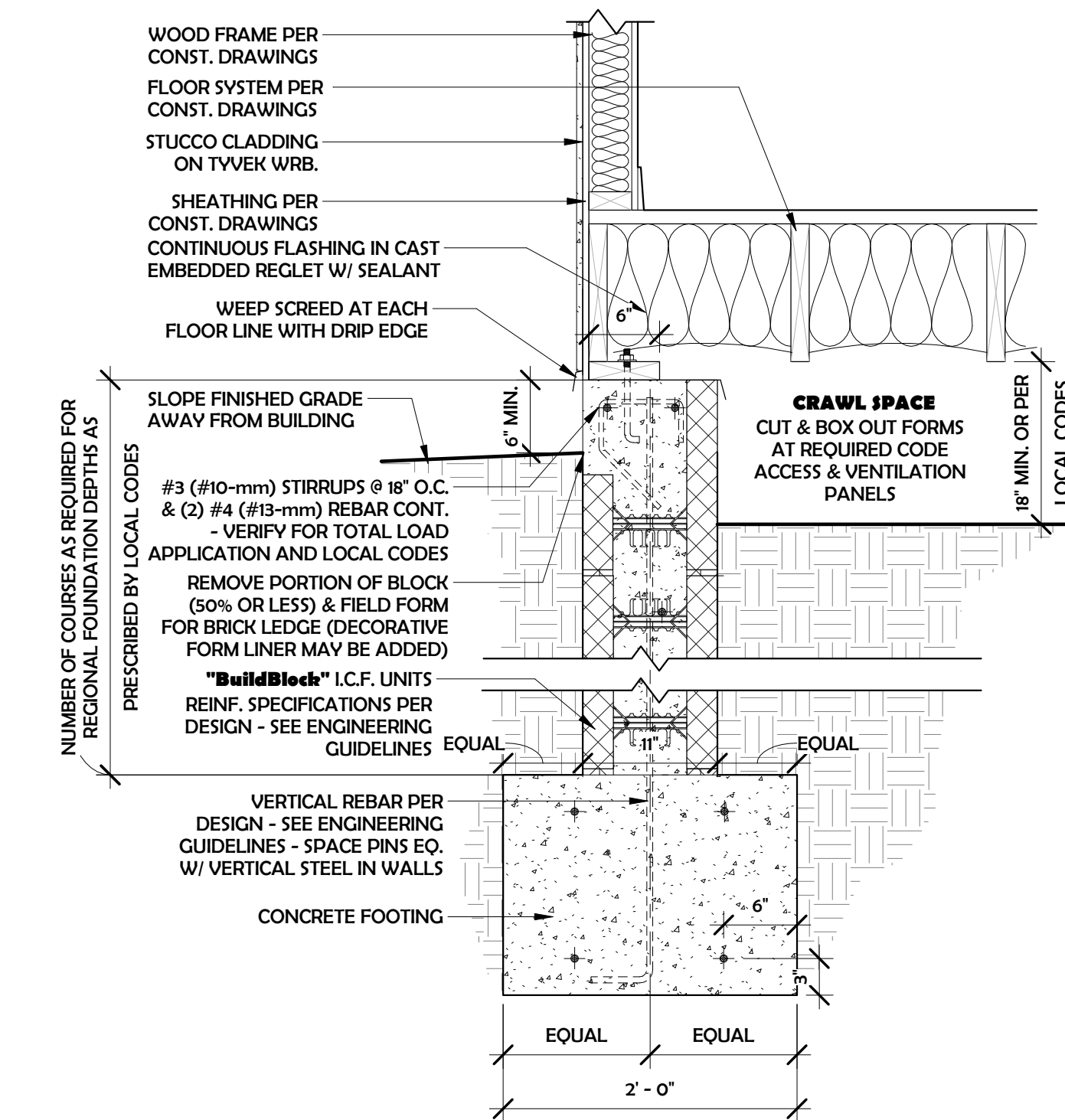
- NOTES:
1. VARIATIONS IN IMPOSED LIVE & DEAD LOADS AND OTHER APPLICATION-SPECIFIC VARIABLES REQUIRE ALL ASPECTS OF THE DETAILS SHOWN HERE TO BE DESIGNED AND/OR APPROVED BY A QUALIFIED ENGINEER
  2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE W/ THE SPECIFICATION OF AND THE RESPONSIBILITY OF A QUALIFIED STRUCTURAL ENGINEER
  3. INSTALL APPROVED MEMBRANE WATER-PROOFING AT ALL SURFACES BELOW GRADE - EXTEND 12" MIN. ABV. FINAL GRADE

23a-WOOD FRAME STUCCO ON 'BUILD BLOCK' BASEMENT  
1" = 1'-0"

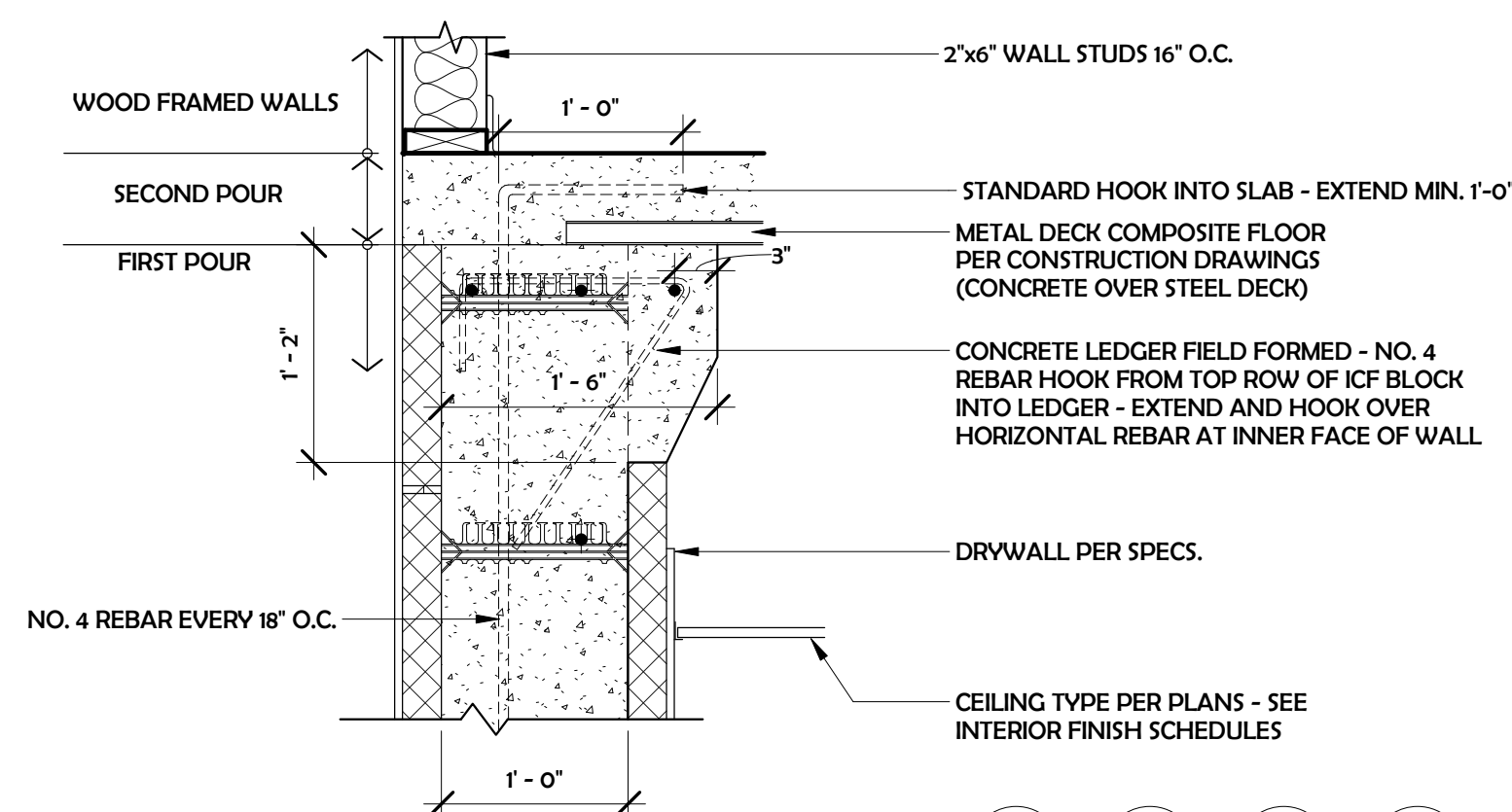


NOTE:  
INSTALL APPROVED MEMBRANE WATER-PROOFING AT ALL SURFACES BELOW GRADE & EXTEND 12" MIN. ABOVE FINAL GRADE

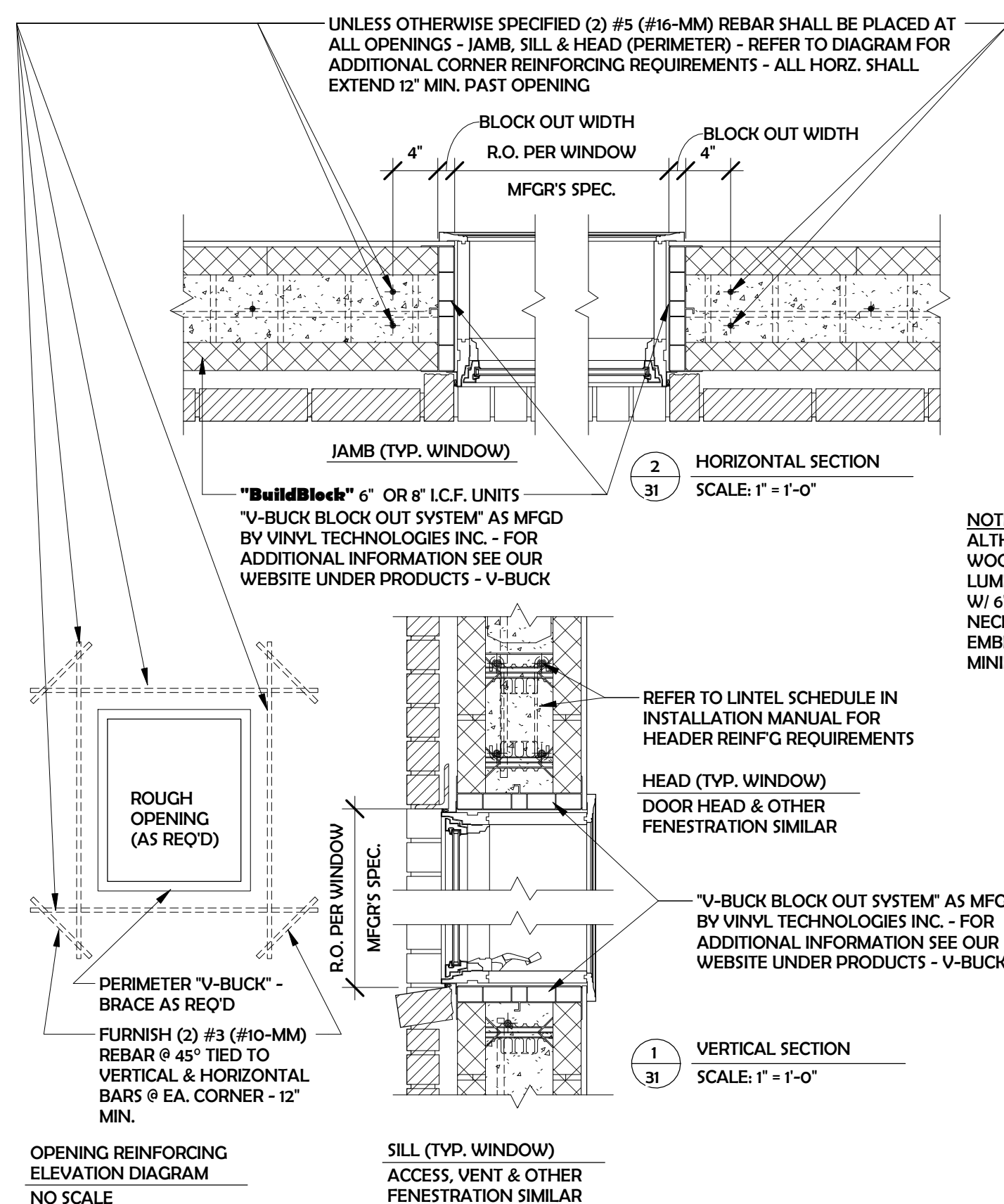
20-BASEMENT FOUNDATION  
1" = 1'-0"



10-STEM & CRAWL SPACE  
1" = 1'-0"

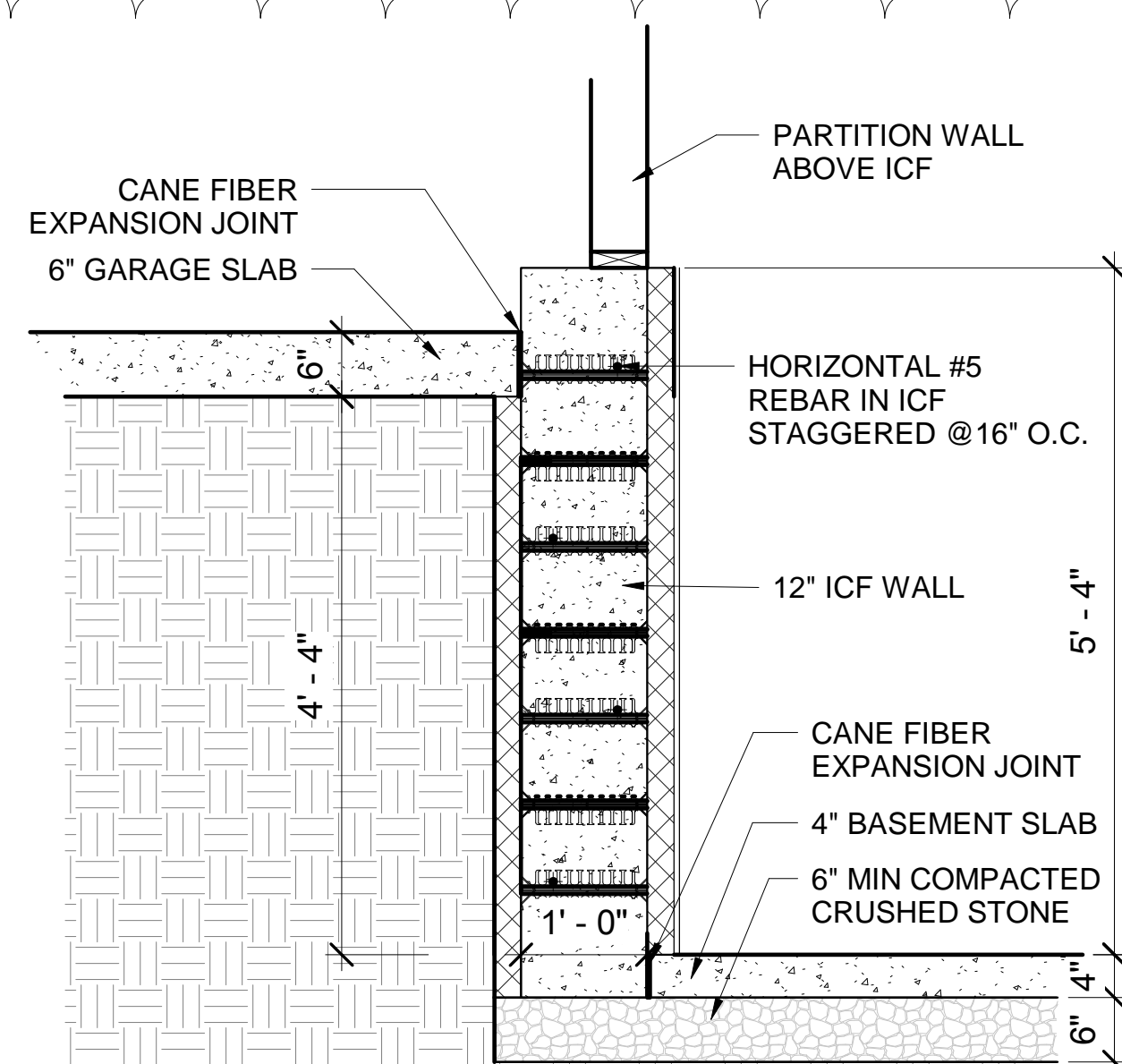


34-METAL DECK COMPOSITE FLOORS1  
1" = 1'-0"

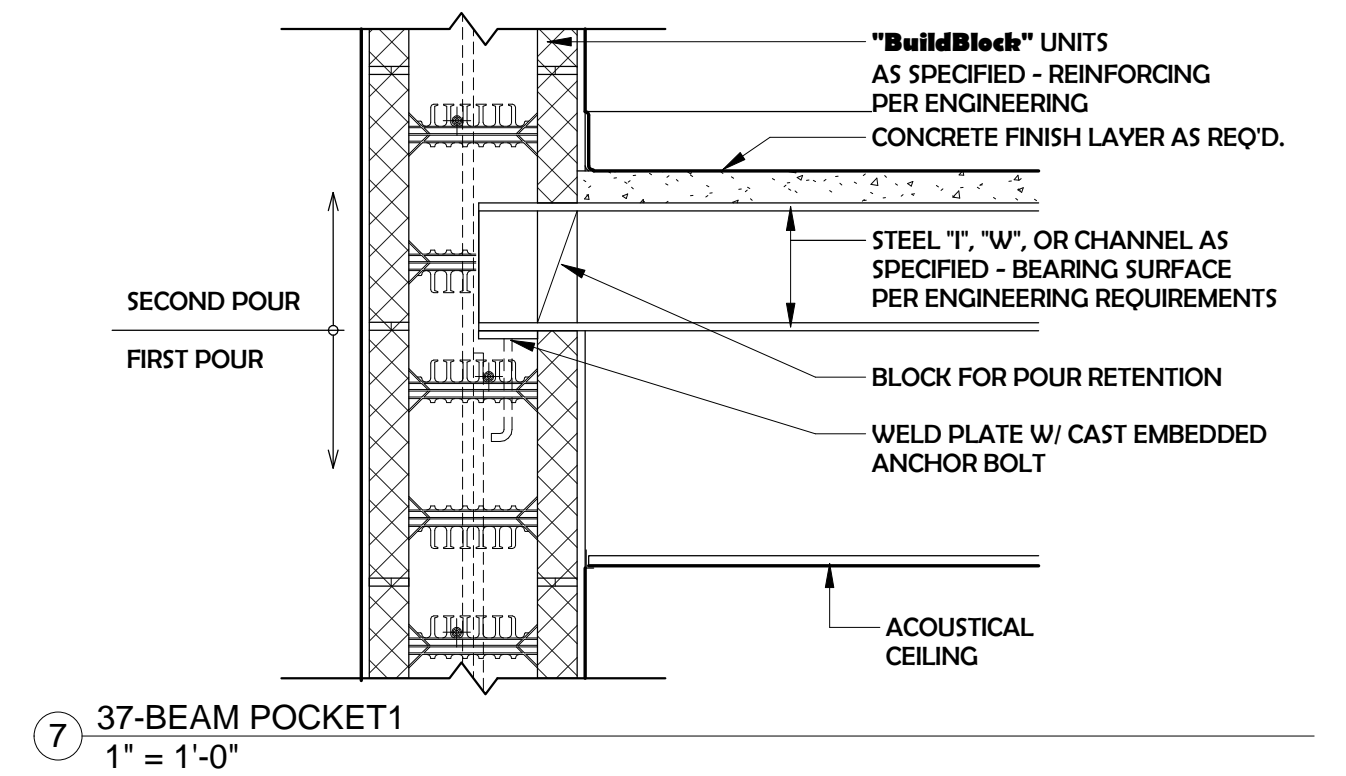


NOTE:  
ALTHOUGH NOT RECOMMENDED - WOOD BLOCK OUT MAY BE USED - ALL LUMBER SHALL BE TREATED - ATTACH W/ 6" CONCRETE SCREWS OR RING NECK GALVANIZED NAILS CAST EMBEDDED IN CORE @ (2) X 12" O.C. MINIMUM

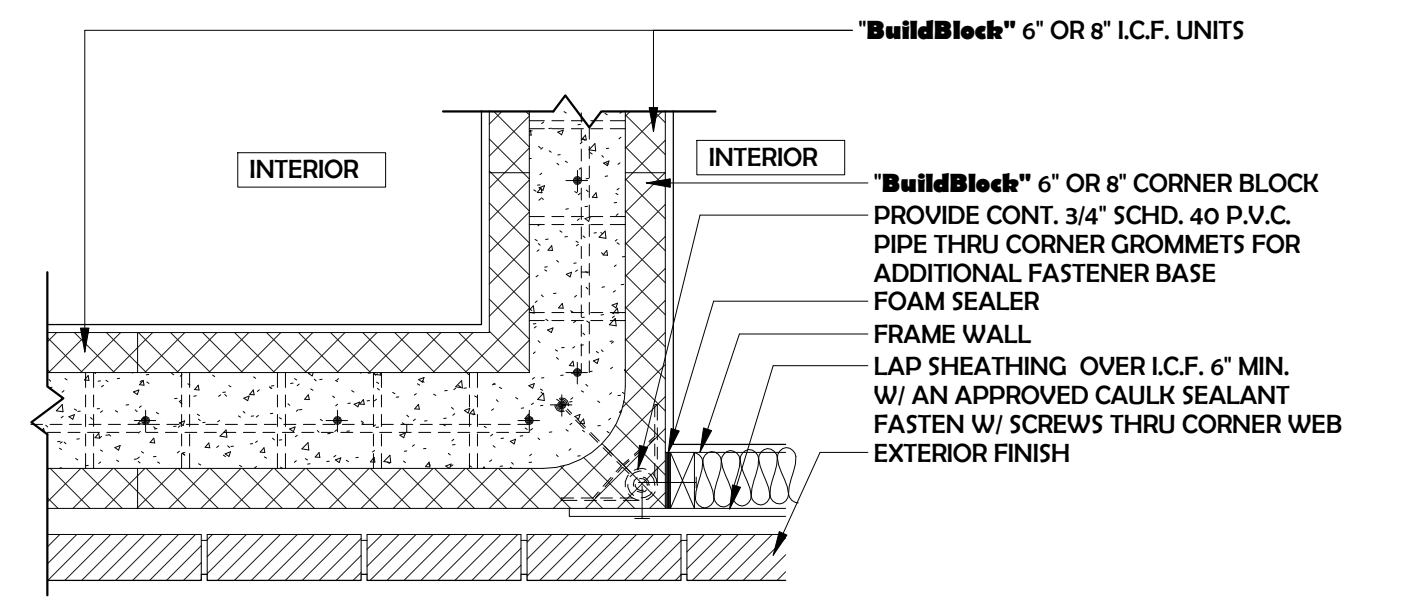
31-WINDOW OPENINGS  
1" = 1'-0"



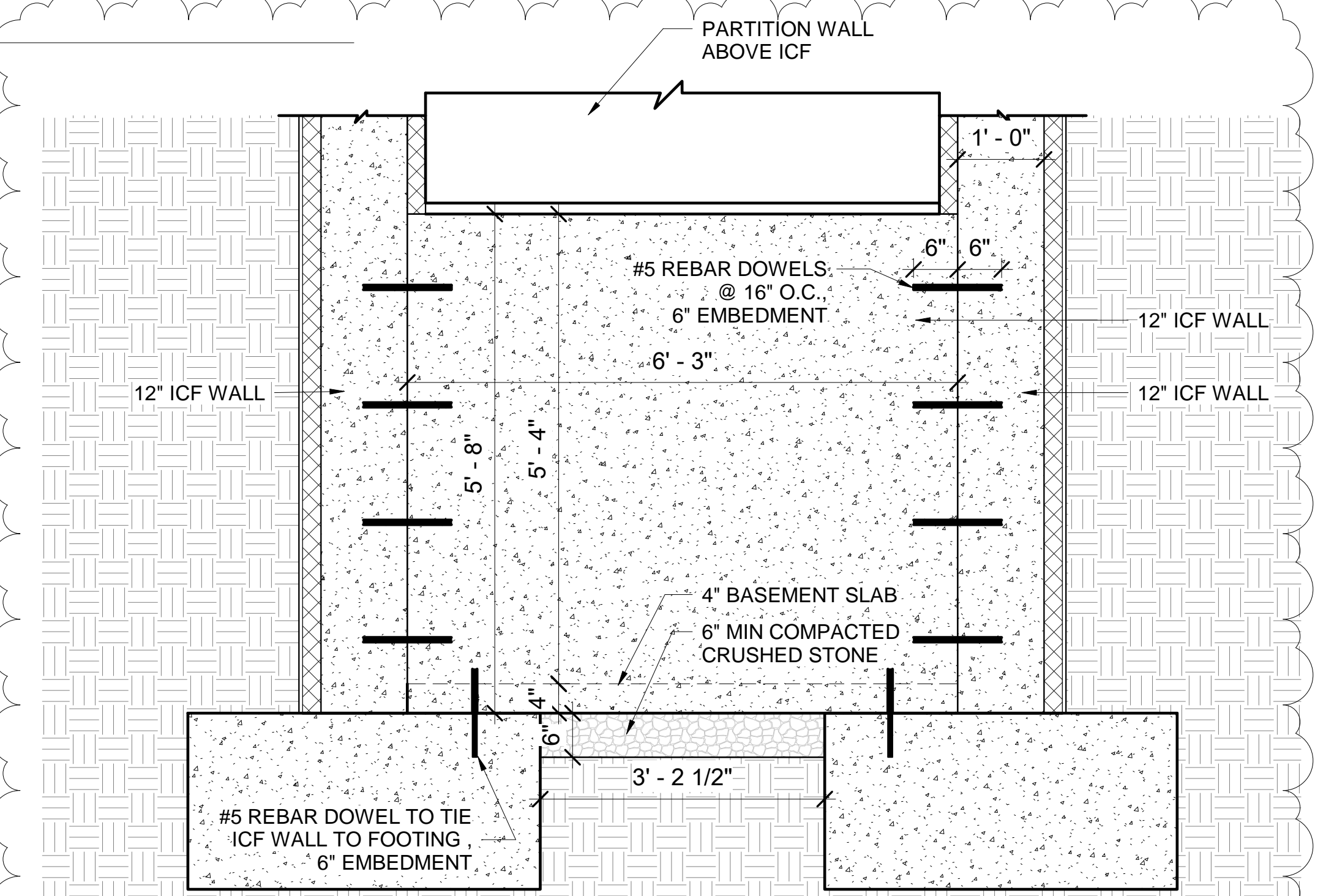
ICF WALL GARAGE TO BASEMENT  
SECTION VIEW  
3/4" = 1'-0"



37-BEAM POCKET1  
1" = 1'-0"

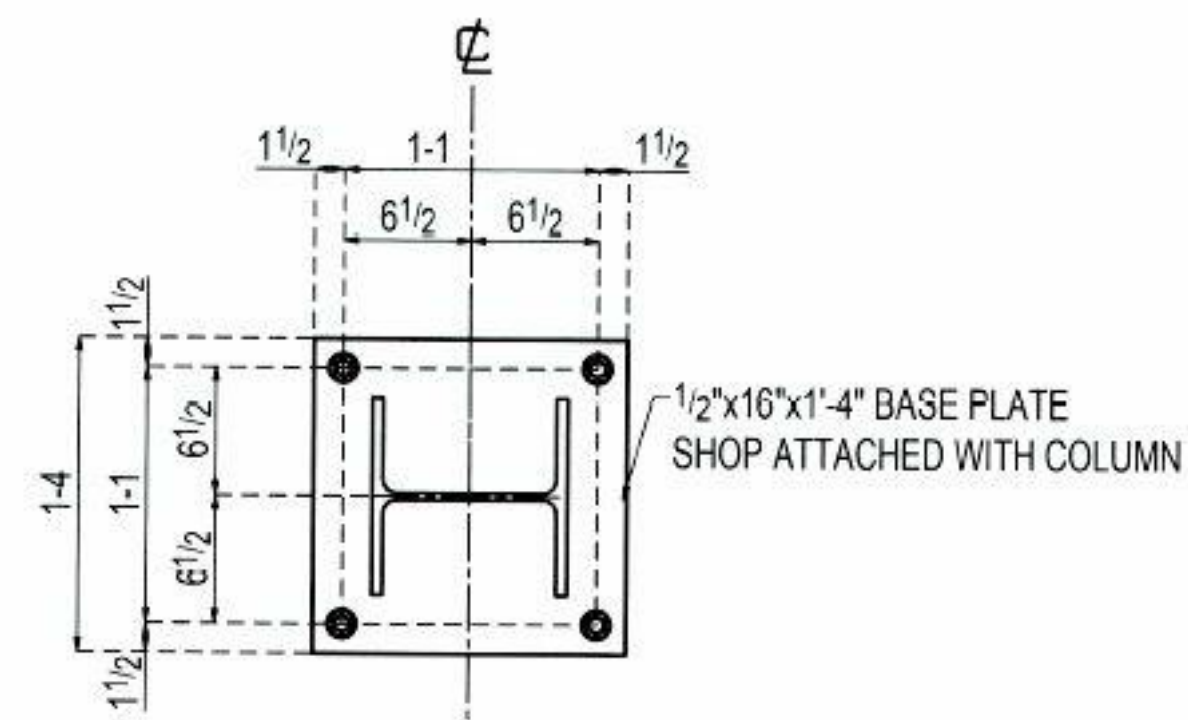


28-HORIZONTAL INTERSECTION  
1" = 1'-0"

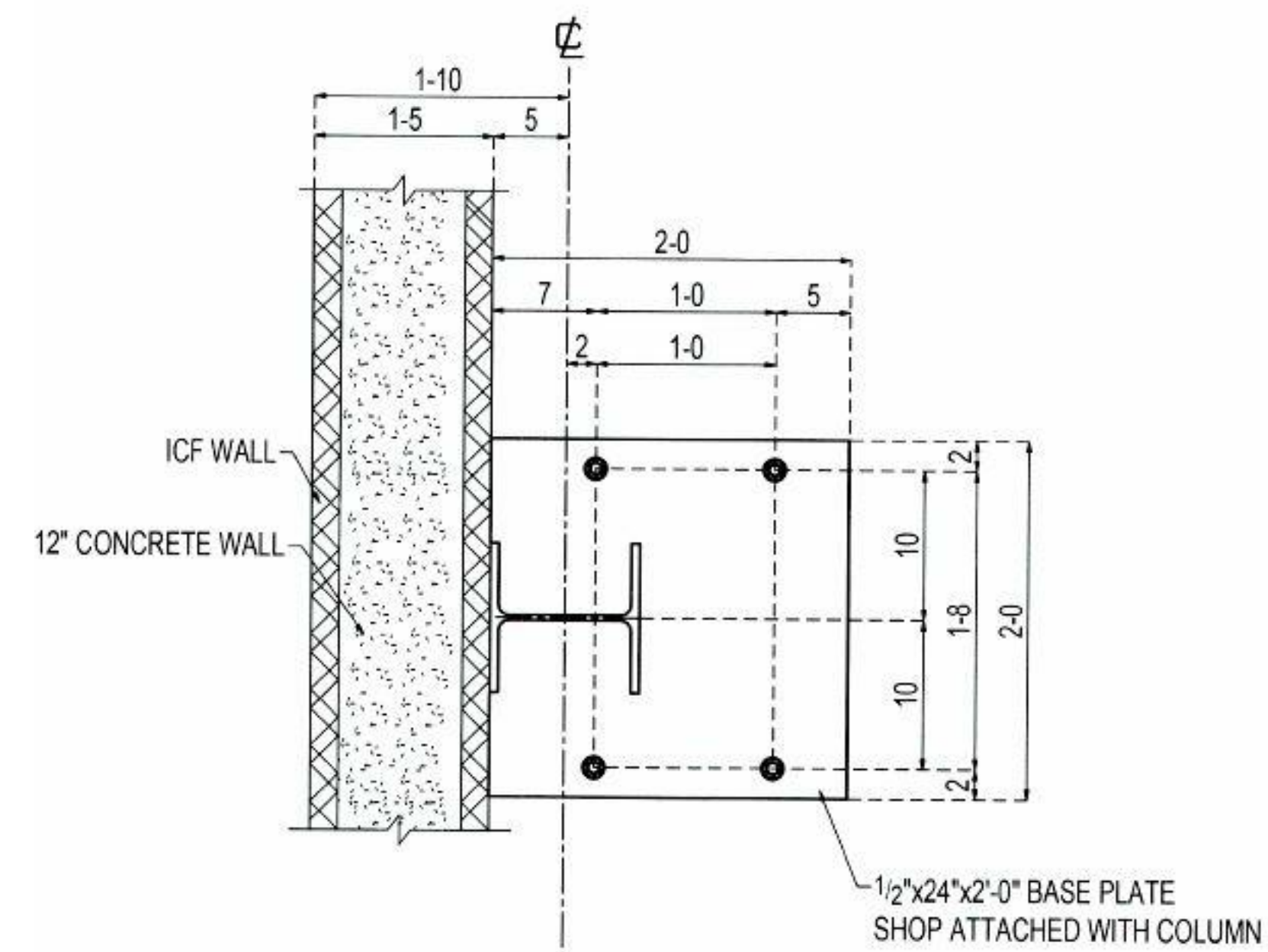


ICF WALL GARAGE TO BASEMENT  
3/4" = 1'-0"

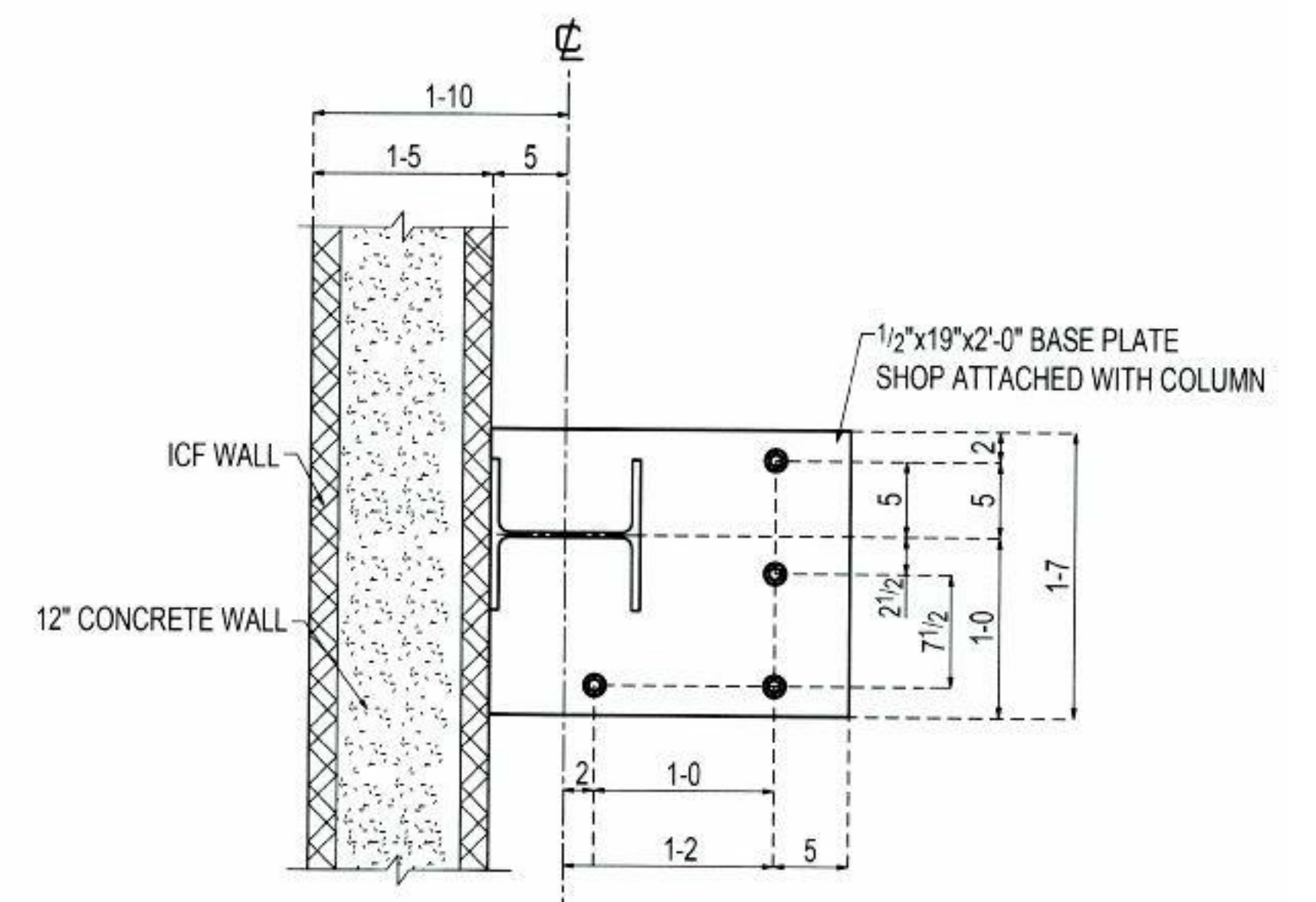




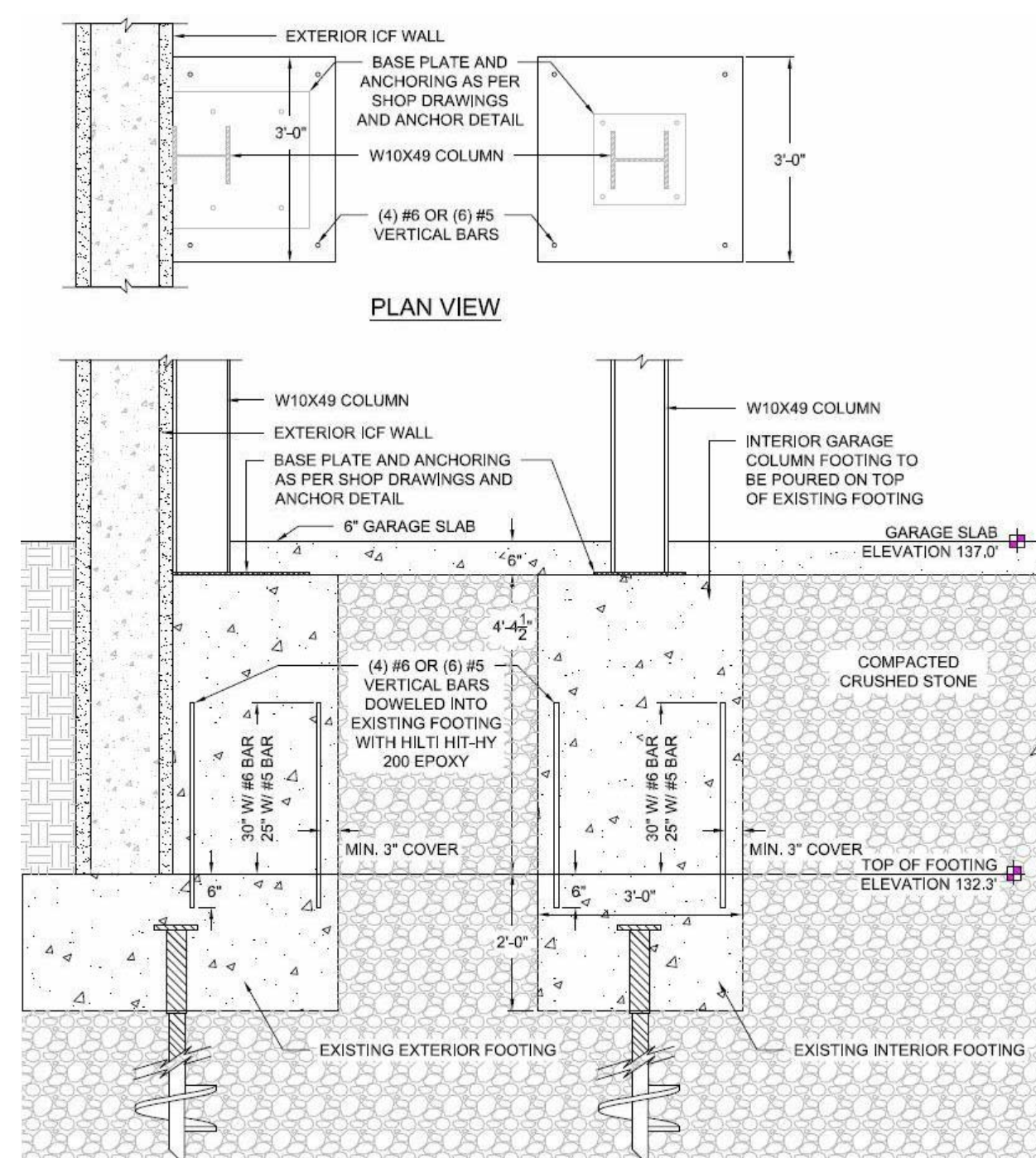
① Columns at Garage Base Plate Detail  
3" = 1'-0"



② Columns at Pool Base Plate Detail  
3" = 1'-0"

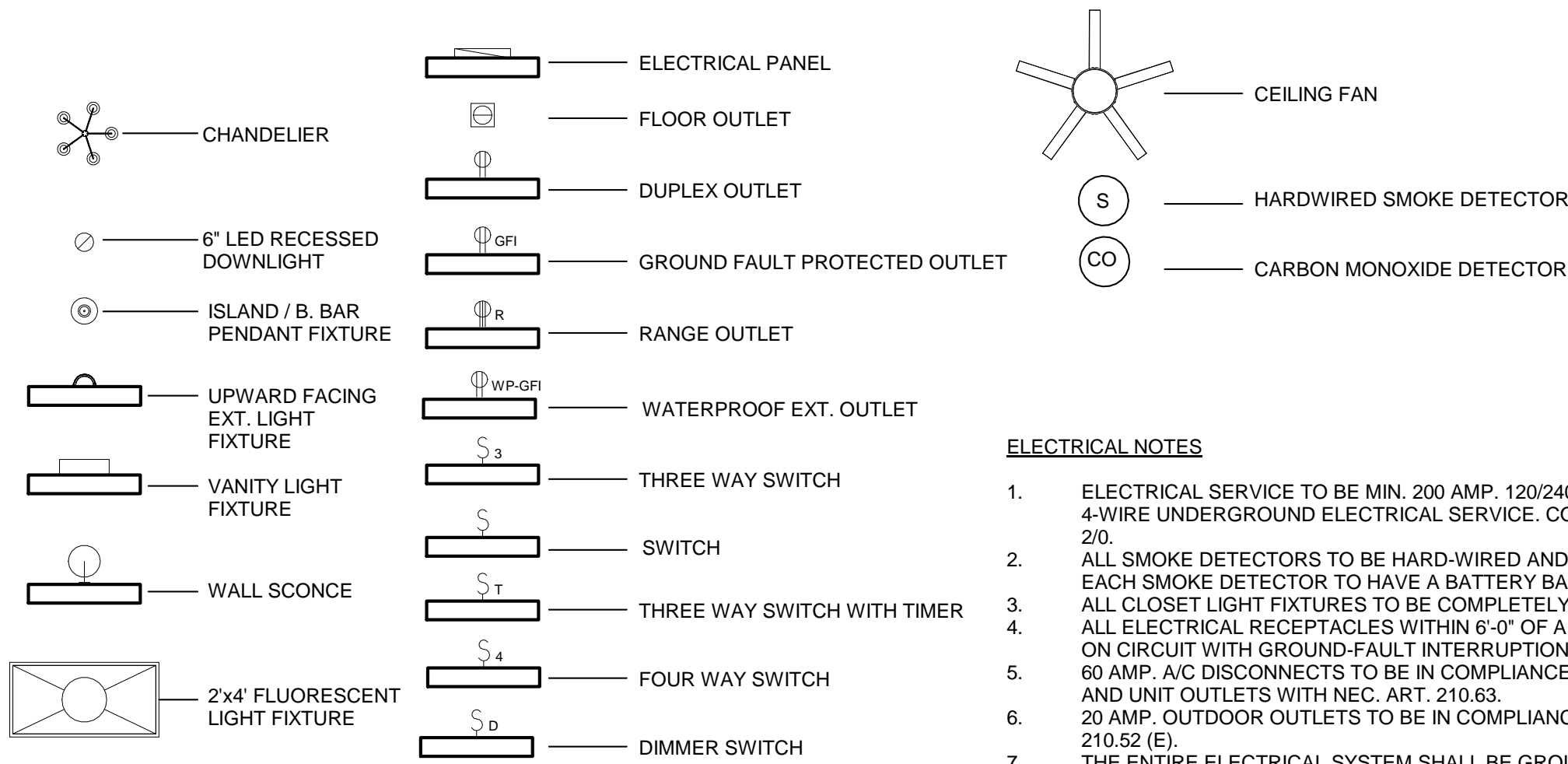


③ Columns at Pool Corners Base Plate Detail  
3" = 1'-0"



④ Raised Garage Column Footing  
3" = 1'-0"





ELECTRICAL NOTES

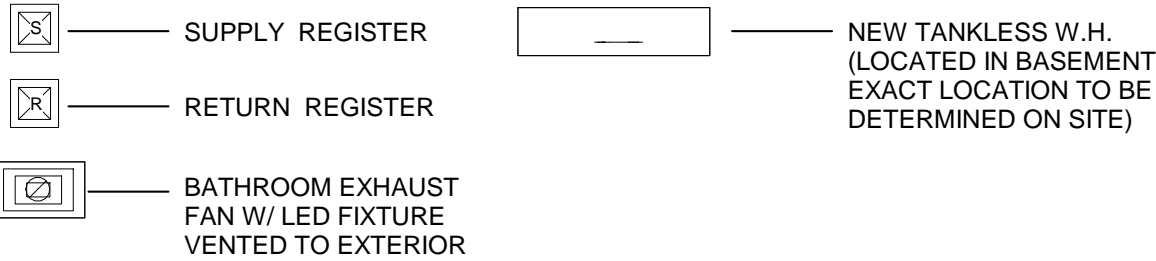
- ELECTRICAL SERVICE TO BE MIN. 200 AMP. 120/240V, 1Ø OPEN, 200 AMP, 4-WIRE UNDERGROUND ELECTRICAL SERVICE. CONDUCTOR SIZE TO BE 2/0.
- ALL SMOKE DETECTORS TO BE HARD-WIRED AND INTERCONNECTED. EACH SMOKE DETECTOR TO HAVE A BATTERY BACK-UP.
- ALL CLOSET LIGHT FIXTURES TO BE COMPLETELY ENCLOSED.
- ALL ELECTRICAL RECEPTACLES WITHIN 6'-0" OF A WATER SOURCE TO BE ON CIRCUIT WITH GROUND-FAULT INTERRUPTION PROTECTION.
- 60 AMP. A/C DISCONNECTS TO BE IN COMPLIANCE WITH NEC ART. 110.26, AND UNIT OUTLETS WITH NEC. ART. 210.63.
- 20 AMP. OUTDOOR OUTLETS TO BE IN COMPLIANCE WITH NEC ART. 210.52 (E).
- THE ENTIRE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH ART. 250 OF THE NEC.

ELECTRICAL LEGEND

1/4" = 1'-0"

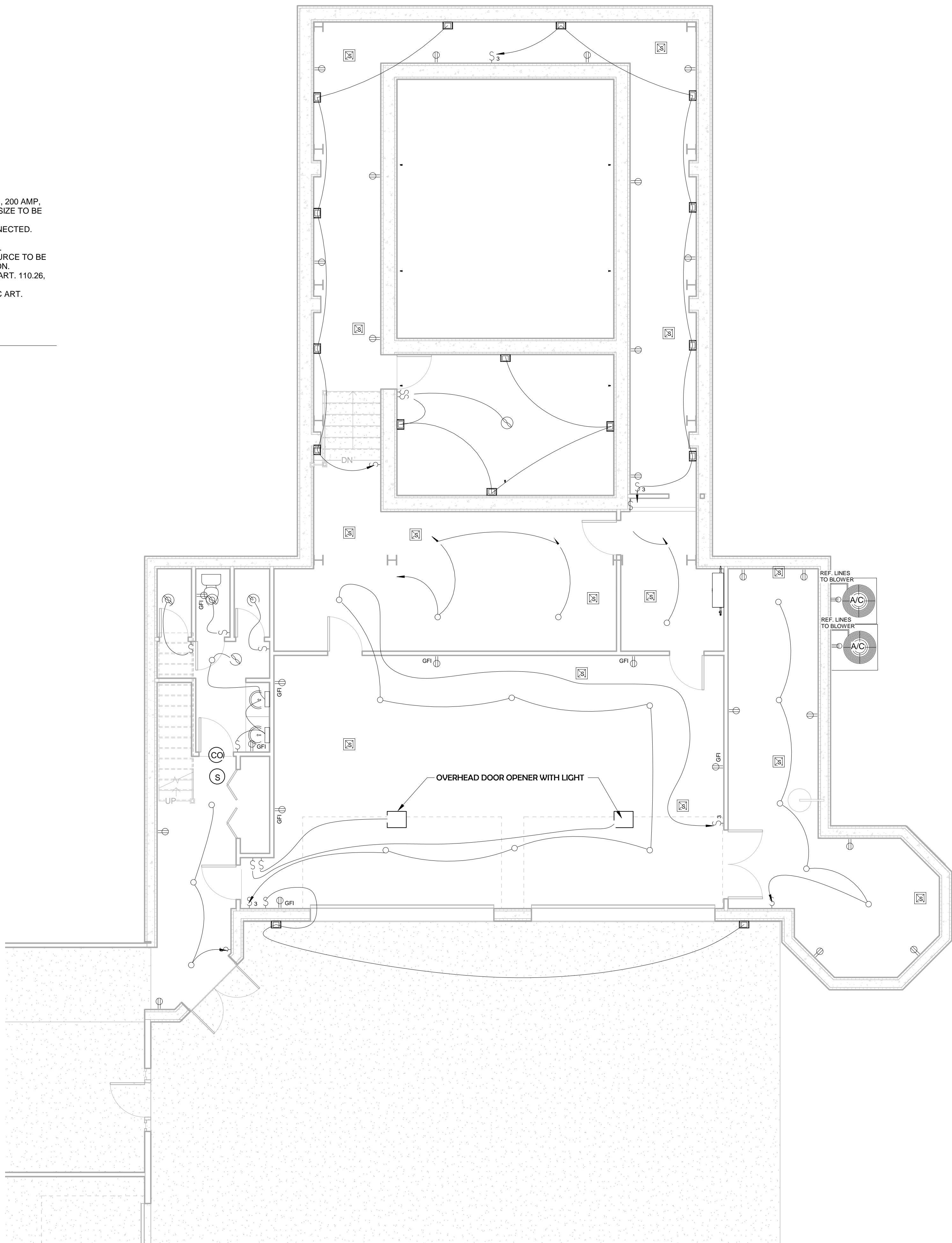
EQUIPMENT SCHEDULE

- HEATING SYSTEM TO BE DESIGNED TO MAINTAIN INSIDE TEMPERATURE OF 70° F WITH AN OUTSIDE TEMPERATURE OF 0°F WITH A 15 MPH WIND.
- ALL REGISTERS TO BE CEILING MOUNTED EXCEPT WHERE NOTED.
- AIR CONDITIONING TO BE SUPPLIED TO NEW FORCED AIR FURNACES VIA EXTERIOR LOCATED CONDENSING UNIT.
- MECHANICAL LAYOUT IS SCHEMATIC REPRESENTATION OF APPROX. LOCATIONS OF SUPPLIES AND RETURNS. ACTUAL FILED CONDITIONS SHALL DICTATE.
- HEATING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT AND DUCT INSTALLATION, SHOWING BALANCING DAMPERS, REDUCERS AND OTHER DEVICES REQUIRED PRIOR TO INSTALLATION.
- HEATING SYSTEM TO BE HOT-AIR FURNACE WITH AIR CONDITIONING. HEATING CONTRACTOR TO DETERMINE HEAT GAIN/LOSS AND FURNACE SIZE/CAPACITY. CONTRACTOR TO SUBMIT SUCH INFORMATION FOR PERMIT PRIOR TO INSTALLATION.
- ALL DUCTWORK TO HAVE A MIN. R-8 INSULATION.
- RIGID DUCTWORK TO BE GALVANIZED SHEET METAL IN ACCORDANCE WITH SMACNA STANDARDS. DUCTS TO BE PROPERLY SUPPORTED AND FREE OF HOLES. DUCTS TO BE SUPPORTED BY MEANS OF STRAPS TO THE FRAMING AT 24" O.C. MAX.
- FURNACES TO EXHAUST THROUGH SIMPSON DURA-VENT TYPE B GAS VENT. ALUMINUM WITH 0.012" UPPER WALLS AND 0.018" OUTER WALLS CONNECTORS TO BE MINIMUM 16 GAUGE SHEET STEEL.
- DUCTS SHALL BE CONNECTED BY MEANS OF COLLARS THAT EXTEND 2' INTO DUCT. DUCT ENDS TO BE SQUARE CUT. DUCTS TO BE ATTACHED TO SLEEVES AND COLLARS WITH DUCT CLAMPS. THERE SHALL BE NO DUCT CONTACT WITH DISSIMILAR MATERIALS.





MECHANICAL LEGEND


1/4" = 1'-0"







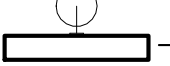
 CHANDELIER

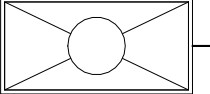
 6" LED RECESSED DOWNLIGHT


 ISLAND / B. BAR PENDANT FIXTURE


 UPWARD FACING EXT. LIGHT FIXTURE


 VANITY LIGHT FIXTURE


 WALL SCONCE

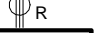
 2x4' FLUORESCENT LIGHT FIXTURE

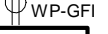
 ELECTRICAL PANEL

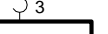
 FLOOR OUTLET


 DUPLEX OUTLET

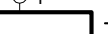
 GROUND FAULT PROTECTED OUTLET


 RANGE OUTLET


 WATERPROOF EXT. OUTLET

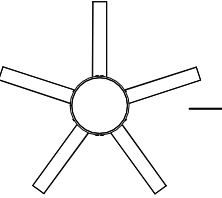
 THREE WAY SWITCH


 SWITCH


 THREE WAY SWITCH WITH TIMER

 FOUR WAY SWITCH

 DIMMER SWITCH


 CEILING FAN


 HARDWIRED SMOKE DETECTOR


 CARBON MONOXIDE DETECTOR

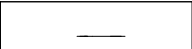
**ELECTRICAL LEGEND**

1/4" = 1'-0"

 SUPPLY REGISTER

 RETURN REGISTER

 BATHROOM EXHAUST FAN W/ LED FIXTURE VENTED TO EXTERIOR

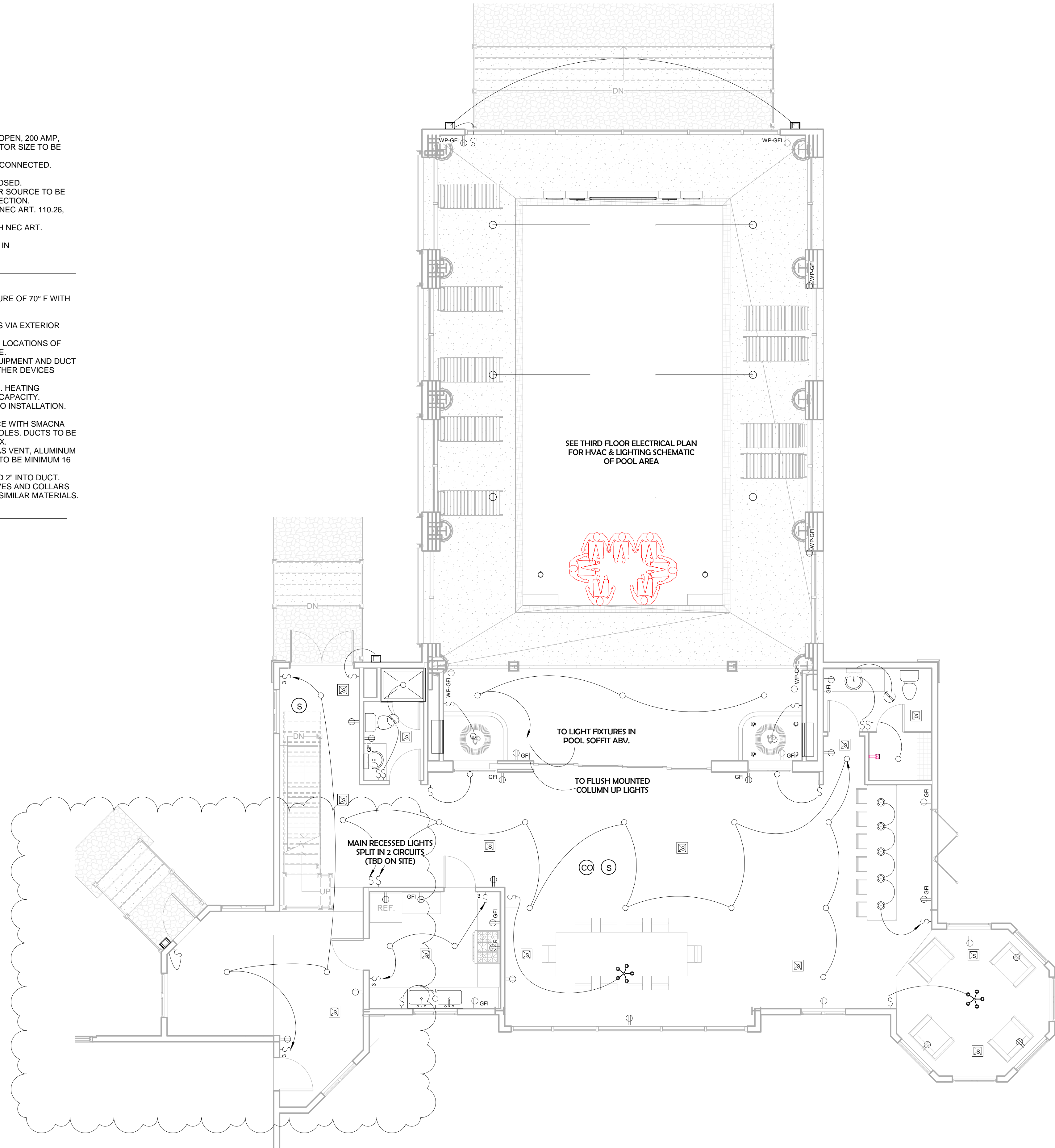
 NEW TANKLESS W.H. (LOCATED IN BASEMENT EXACT LOCATION TO BE DETERMINED ON SITE)

**ELECTRICAL NOTES**

- ELECTRICAL SERVICE TO BE MIN. 200 AMP. 120/240V, 1Ø OPEN, 200 AMP, 4-WIRE UNDERGROUND ELECTRICAL SERVICE. CONDUCTOR SIZE TO BE 2/0.
- ALL SMOKE DETECTORS TO BE HARD-WIRED AND INTERCONNECTED. EACH SMOKE DETECTOR TO HAVE A BATTERY BACK-UP.
- ALL CLOSET LIGHT FIXTURES TO BE COMPLETELY ENCLOSED.
- ALL ELECTRICAL RECEPTACLES WITHIN 6'-0" OF A WATER SOURCE TO BE ON CIRCUIT WITH GROUND-FAULT INTERRUPTION PROTECTION.
- 60 AMP. A/C DISCONNECTS TO BE IN COMPLIANCE WITH NEC ART. 110.26, AND UNIT OUTLETS WITH NEC, ART. 210.63.
- 20 AMP. OUTDOOR OUTLETS TO BE IN COMPLIANCE WITH NEC ART. 210.52 (E).
- THE ENTIRE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH ART. 250 OF THE NEC.

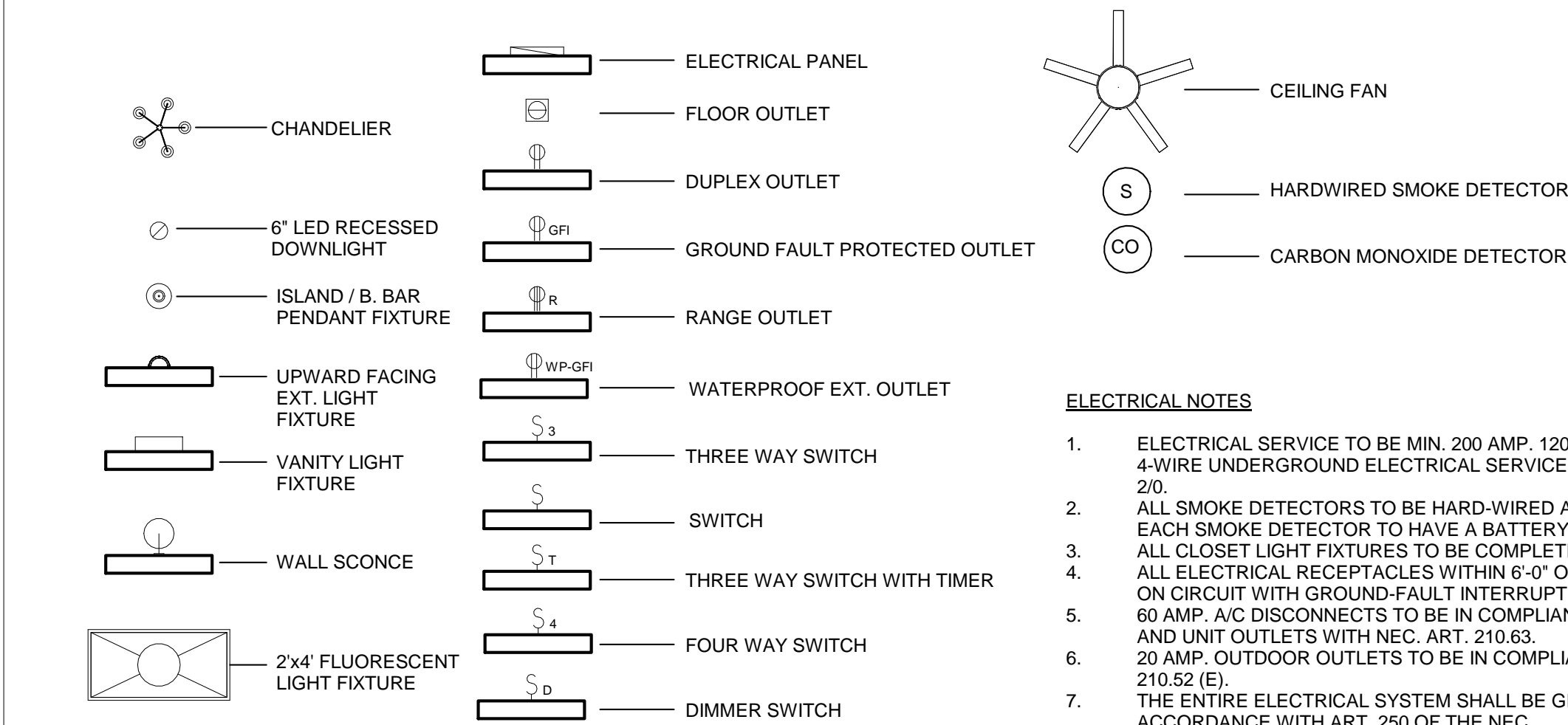
**EQUIPMENT SCHEDULE**

- HEATING SYSTEM TO BE DESIGNED TO MAINTAIN INSIDE TEMPERATURE OF 70° F WITH AN OUTSIDE TEMPERATURE OF 0° F WITH A 15 MPH WIND.
- ALL REGISTERS TO BE CEILING MOUNTED EXCEPT WHERE NOTED.
- AIR CONDITIONING TO BE SUPPLIED TO NEW FORCED AIR FURNACES VIA EXTERIOR LOCATED CONDENSING UNIT.
- MECHANICAL LAYOUT IS SCHEMATIC REPRESENTATION OF APPROX. LOCATIONS OF SUPPLIES AND RETURNS. ACTUAL FIELD CONDITIONS SHALL DICTATE.
- HEATING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT AND DUCT INSTALLATION, SHOWING BALANCING DAMPERS, REDUCERS AND OTHER DEVICES REQUIRED PRIOR TO INSTALLATION.
- HEATING SYSTEM TO BE HOT-AIR FURNACE WITH AIR CONDITIONING. HEATING CONTRACTOR TO DETERMINE HEAT GAIN/LOSS AND FURNACE SIZE/CAPACITY. CONTRACTOR TO SUBMIT SUCH INFORMATION FOR PERMIT PRIOR TO INSTALLATION.
- ALL DUCTWORK TO HAVE A MIN. R-8 INSULATION.
- RIGID DUCTWORK TO BE GALVANIZED SHEET METAL IN ACCORDANCE WITH SMACNA STANDARDS. DUCTS TO BE PROPERLY SUPPORTED AND FREE OF HOLES. DUCTS TO BE SUPPORTED BY MEANS OF STRAPS TO THE FRAMING AT 24" O.C. MAX.
- FURNACES TO EXHAUST THROUGH SIMPSON DURA-VENT TYPE B GAS VENT, ALUMINUM WITH 0.012" UPPER WALLS AND 0.018" OUTER WALLS CONNECTORS TO BE MINIMUM 16 GAUGE SHEET STEEL.
- DUCTS SHALL BE CONNECTED BY MEANS OF COLLARS THAT EXTEND 2" INTO DUCT. DUCT ENDS TO BE SQUARE CUT. DUCTS TO BE ATTACHED TO SLEEVES AND COLLARS WITH DUCT CLAMPS. THERE SHALL BE NO DUCT CONTACT WITH DISSIMILAR MATERIALS.



1 Level 2 Electrical Plan  
3/16" = 1'-0"





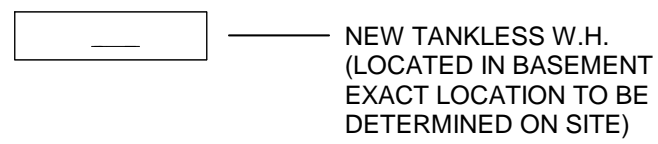
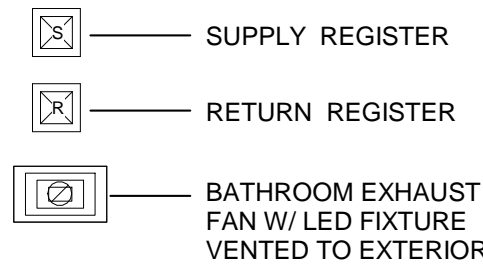
ELECTRICAL LEGEND

1/4" = 1'-0"

- ELECTRICAL NOTES**
- ELECTRICAL SERVICE TO BE MIN. 200 AMP, 120/240V, 1Ø OPEN, 200 AMP, 4-WIRE UNDERGROUND ELECTRICAL SERVICE. CONDUCTOR SIZE TO BE 2/0.
  - ALL SMOKE DETECTORS TO BE HARD-WIRED AND INTERCONNECTED. EACH SMOKE DETECTOR TO HAVE A BATTERY BACK-UP.
  - ALL CLOSET LIGHT FIXTURES TO BE COMPLETELY ENCLOSED.
  - ALL ELECTRICAL RECEPTACLES WITHIN 6'-0" OF A WATER SOURCE TO BE ON CIRCUIT WITH GROUND-FAULT INTERRUPTION PROTECTION.
  - 60 AMP. A/C DISCONNECTS TO BE IN COMPLIANCE WITH NEC ART. 110.26, AND UNIT OUTLETS WITH NEC. ART. 210.63.
  - 210 AMP. OUTDOOR OUTLETS TO BE IN COMPLIANCE WITH NEC ART. 210.52 (E).
  - THE ENTIRE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH ART. 250 OF THE NEC.
- EQUIPMENT SCHEDULE**
- HEATING SYSTEM TO BE DESIGNED TO MAINTAIN INSIDE TEMPERATURE OF 70° F WITH AN OUTSIDE TEMPERATURE OF 0° F WITH A 15 MPH WIND.
  - ALL REGISTERS TO BE CEILING MOUNTED EXCEPT WHERE NOTED.
  - AIR CONDITIONING TO BE SUPPLIED TO NEW FORCED AIR FURNACES VIA EXTERIOR LOCATED CONDENSING UNIT.
  - MECHANICAL LAYOUT IS SCHEMATIC REPRESENTATION OF APPROX. LOCATIONS OF SUPPLIES AND RETURNS. ACTUAL FIELD CONDITIONS SHALL DICTATE.
  - HEATING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT AND DUCT INSTALLATION, SHOWING BALANCING DAMPERS, REDUCERS AND OTHER DEVICES REQUIRED PRIOR TO INSTALLATION.
  - HEATING SYSTEM TO BE HOT-AIR FURNACE WITH AIR CONDITIONING. HEATING CONTRACTOR TO DETERMINE HEAT GAIN/LOSS AND FURNACE SIZE/CAPACITY. CONTRACTOR TO SUBMIT SUCH INFORMATION FOR PERMIT PRIOR TO INSTALLATION.
  - ALL DUCTWORK TO HAVE A MIN. R-8 INSULATION.
  - RIGID DUCTWORK TO BE GALVANIZED SHEET METAL IN ACCORDANCE WITH SMACNA STANDARDS. DUCTS TO BE PROPERLY SUPPORTED AND FREE OF HOLES. DUCTS TO BE SUPPORTED BY MEANS OF STRAPS TO THE FRAMING AT 24" O.C. MAX.
  - FURNACES TO EXHAUST THROUGH SIMPSON DURA-VENT TYPE B GAS VENT, ALUMINUM WITH 0.012" UPPER WALLS AND 0.018" OUTER WALLS CONNECTORS TO BE MINIMUM 16 GAUGE SHEET STEEL.
  - DUCTS SHALL BE CONNECTED BY MEANS OF COLLARS THAT EXTEND 2" INTO DUCT. DUCT ENDS TO BE SQUARE CUT. DUCTS TO BE ATTACHED TO SLEEVES AND COLLARS WITH DUCT CLAMPS. THERE SHALL BE NO DUCT CONTACT WITH DISSIMILAR MATERIALS.

MECHANICAL LEGEND

1/4" = 1'-0"



SUN3 LED UPLIGHT OR STEP LIGHT - INDOOR/OUTDOOR

REDA 13.17

SUN3-LED-RD-WW-SA

SUN3-LED-SC-WO-SA

SUN3-JC

SC-WO

Description:

The 3 inch recessed round or square SUN3 LED has a 6.5 watt, high powered warm white LED and features a 16, 23, 36 or 47 degree precise focus, tempered glass lens with marine-grade aluminum beveled edge trim. The fixture is rated for outdoor/ocean front environments using a wet location electrical box or indoor using a standard octagon electrical box. The trim accepts dichroic color filters which are used with SUN3-LL(H). Remote Transfer (Required), junction box cover, and wood spring clips, are sold separately. SUN3 is constant voltage fixture and it is listed to be used only for floor or wall applications and should not be used in ceiling application which will damage the fixture and void the warranty. For ceiling applications use SUN3C. Fixture includes 5 year warranty.

Finish: Satin Aluminum Weight: 1.8 lb (.82 kg)

Lamp Specification:

70% lumen maintenance based on 50,000 hours of operation.  
LED 6.5W Warm white, 2968K, 80 CRI  
At 10 degrees, 42 lumens per watt/281 total lumens

LENS/ BEAM SPREAD	INPUT VOLTS	WATTS	CRI	RATED LIFE	COLOR TEMP(K)	CU
L1 = 16 Degree	120VAC	6.5	80	50,000	2,968	80
L2 = 23 Degree	120VAC	6.5	80	50,000	2,968	80
L3 = 36 Degree	120VAC	6.5	80	50,000	2,968	80
L4 = 47 Degree	120VAC	6.5	80	50,000	2,968	80

Transformer:

Electronic TE-60L-12; Magnetic T-150-12, T-300-12

Dimming:

Dimmable with electronic low voltage dimmer using TE-60L-12 (sold separately). Lutron dimmers recommended: Dims to 9% with Diva #DVELV-300P; 21% with Skylark #SELV-300P; 31% with Maestro #MAELV-600.

Dimmable with magnetic low voltage dimmer using T-150-12 (sold separately). Lutron dimmers recommended: Dims to 16% with Diva #DVLV-600P; 39% with Skylark #SLV-600P

System	Head/Lens	Description	Color Temperature	Finish
SUN3	HDL1	RD	WW	SA
SUN3	HDL1	RD	WW	SA
SUN3	HDL2	RQ	WW	SA
SUN3	HDL3	RQ	WW	SA
SUN3	HDL4	RQ	WW	SA
SUN3	JC	JC	SC	WO
SUN3	JC	JC	SC	WO
SUN3	JC	JC	SC	WO
SUN3	JC	JC	SC	WO

STEP LIGHT KIT SUN3-LL

Lighting Facts

Light Output (Lumens) 281

Watts 6.5

Lumens per Watt (lm/w) 42

Color Temperature 2968K

Lighting Facts Label reflects test data for Sun3 with 36 degree lens (L3). See Lamp Specification section above for additional details.

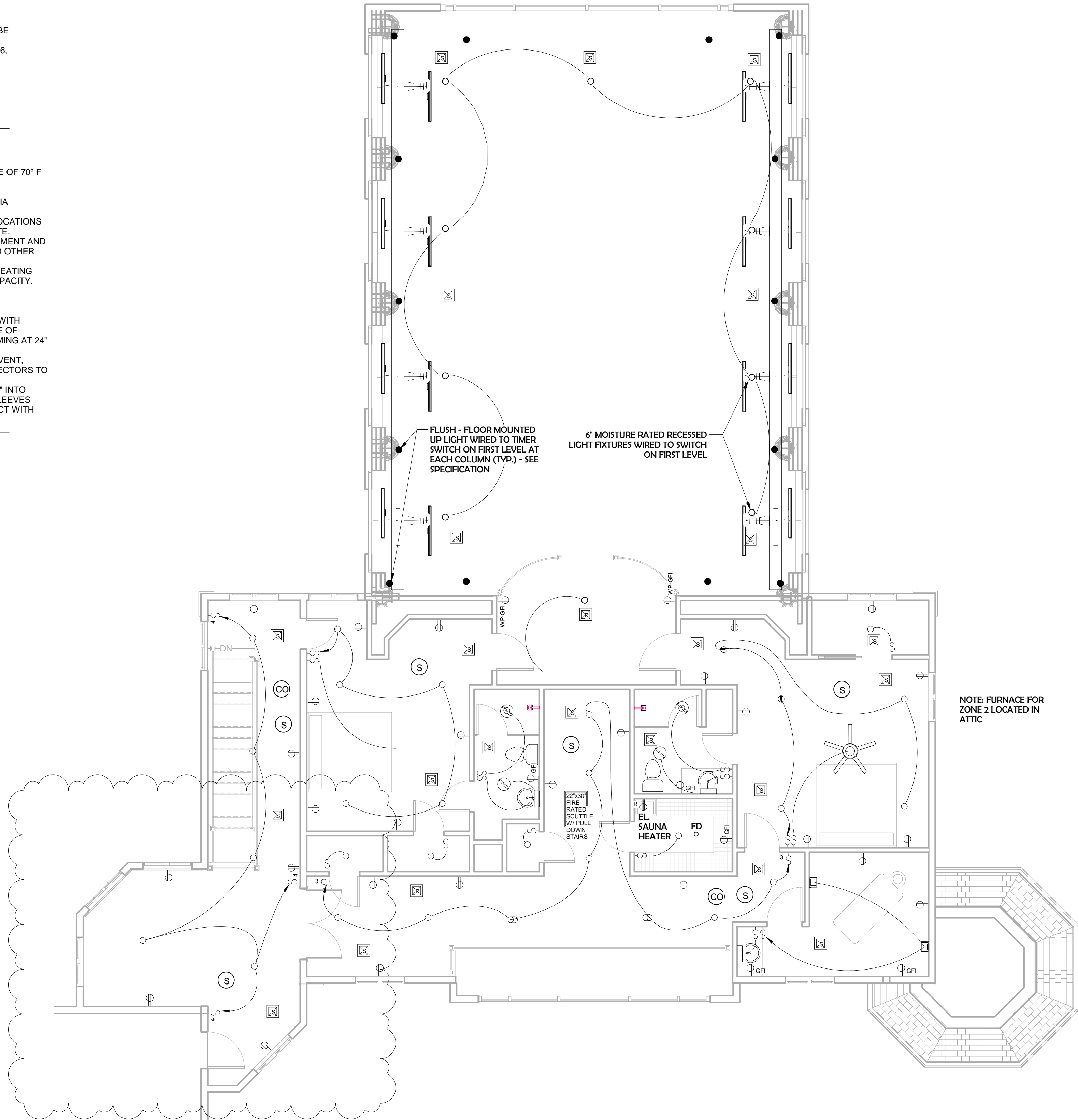
PROJECT: 1718 W. Fullerton Ave. Chicago, IL 60614

DATE: 7/73/770.1195

7/73/935.5613

www.edgelighting.com

A Division of PureEdge Lighting

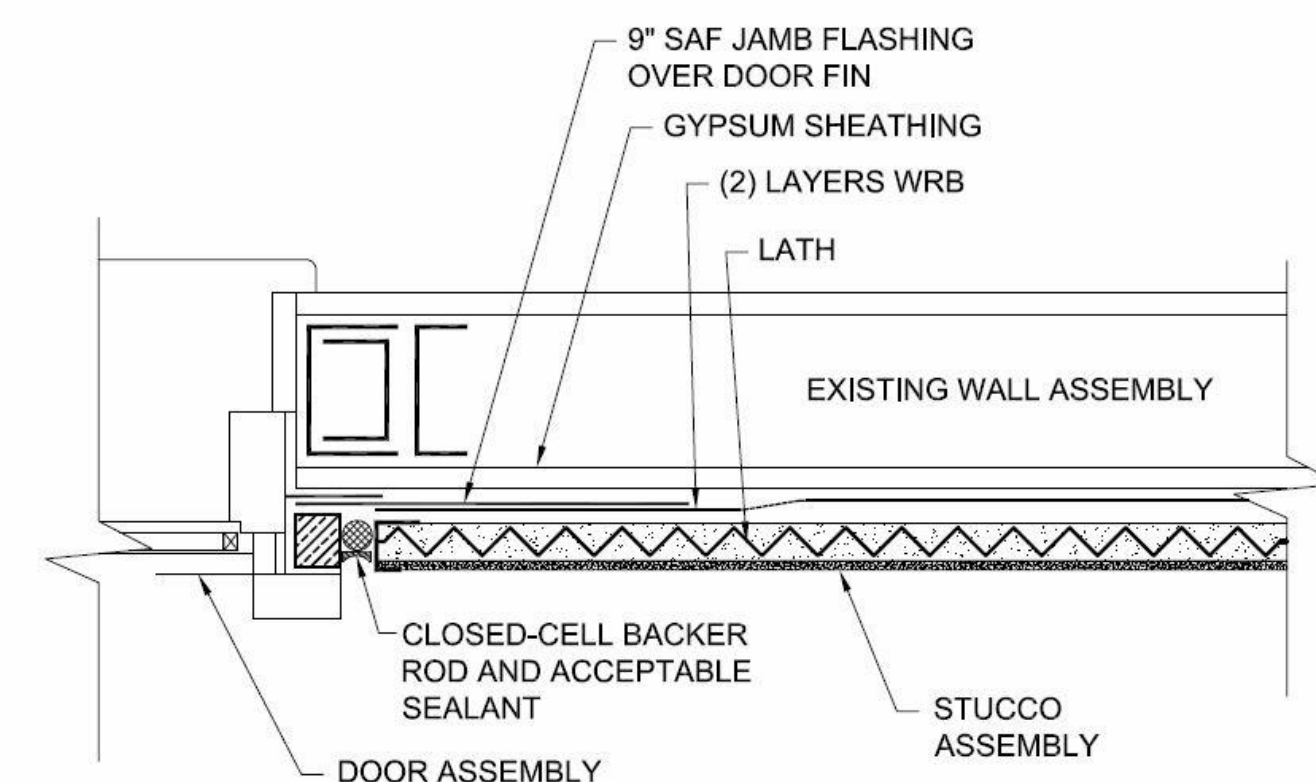
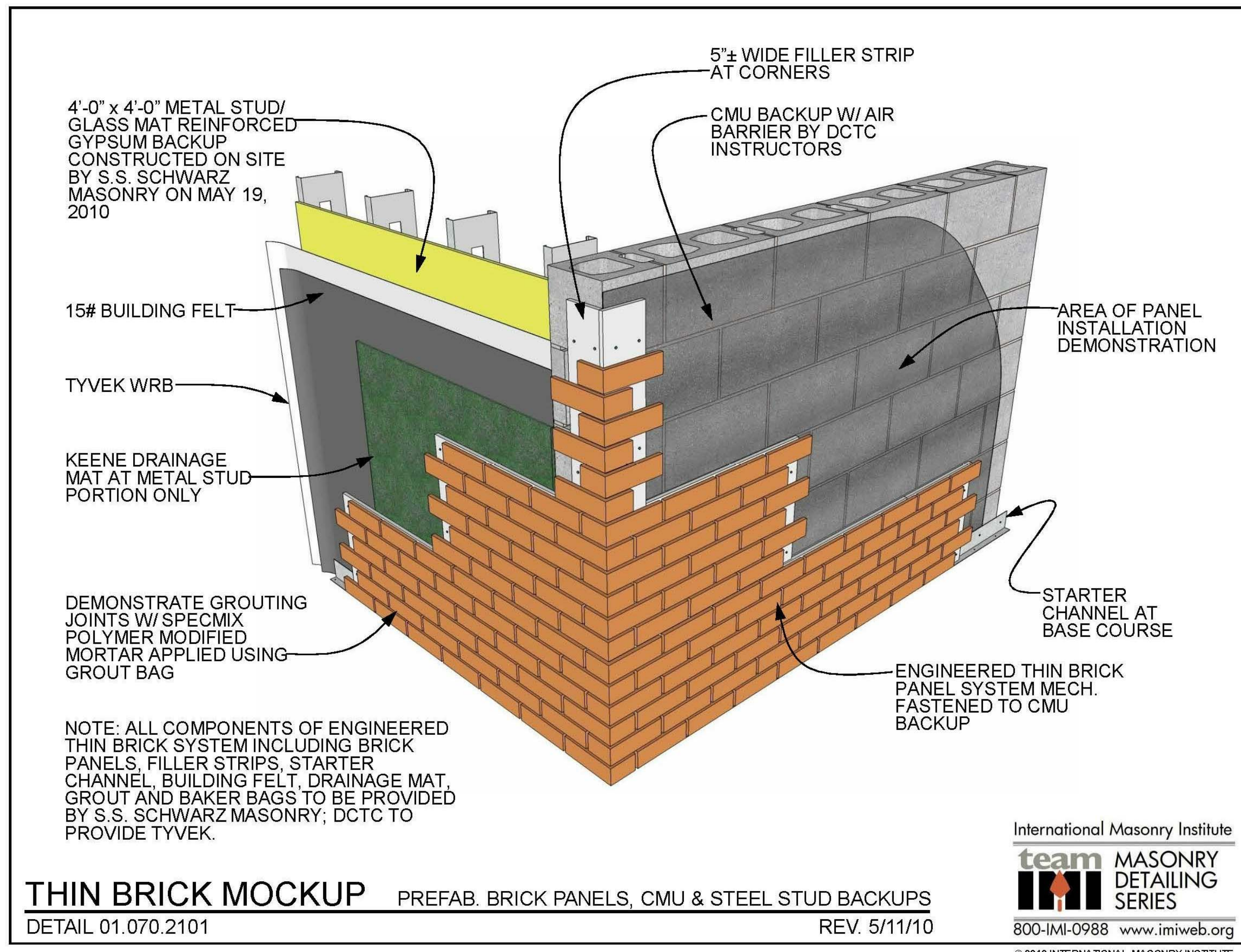




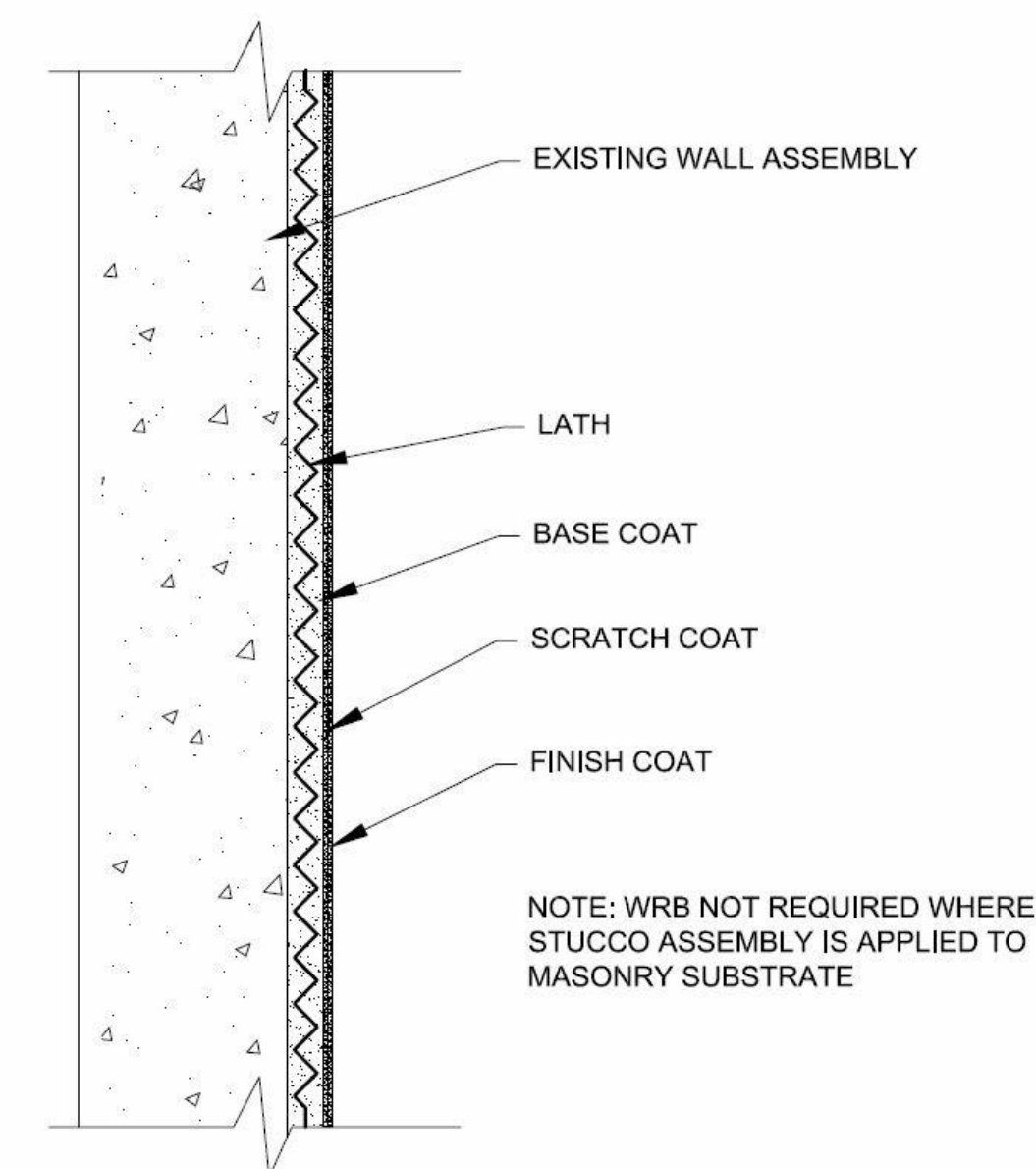
Door Schedule				
Type Mark	Family and Type	Count	Width	Height
1	Single-Flush: 36" x 84"	9	3' - 0"	7' - 0"
5	Single-Flush: 30" x 80"	7	2' - 6"	6' - 8"
7	Single-Flush: 34" x 80"	6	2' - 10"	6' - 8"
8	Single-Raised Panel with Sidelights: 36" x 84"	1	3' - 0"	7' - 0"
35	Bifold-4 Panel: 72" x 84"	1	6' - 0"	7' - 0"
39	Single-Pocket: 36" x 80"	1	3' - 0"	6' - 8"
54	Single-Glass 2: 36" x 84"	4	3' - 0"	7' - 0"
57	Single-Glass 2: 30" x 84"	7	2' - 6"	7' - 0"
82	Door-Exterior-Double-Full Glass-Wood_Clad: 68" x 96"	1	5' - 8"	8' - 0"
85	Door-Garage-CHD-4000-Wood-Single: 16'-0"x9'-0"	1	16' - 0"	9' - 0"
86	Door-Double-Flush_Panel: 72" x 84"	1	6' - 0"	7' - 0"
88	Door-Exterior-Double-Full Glass-Wood_Clad: 68" x 84"	3	5' - 8"	7' - 0"
90	Door-Garage-CHD-4000-Wood-Single: 16'-0"x8'-0"	2	16' - 0"	8' - 0"
91	Multi_Panels_Pocket_Door_5932: Nesting tri-panel door	1	16' - 0"	9' - 6"



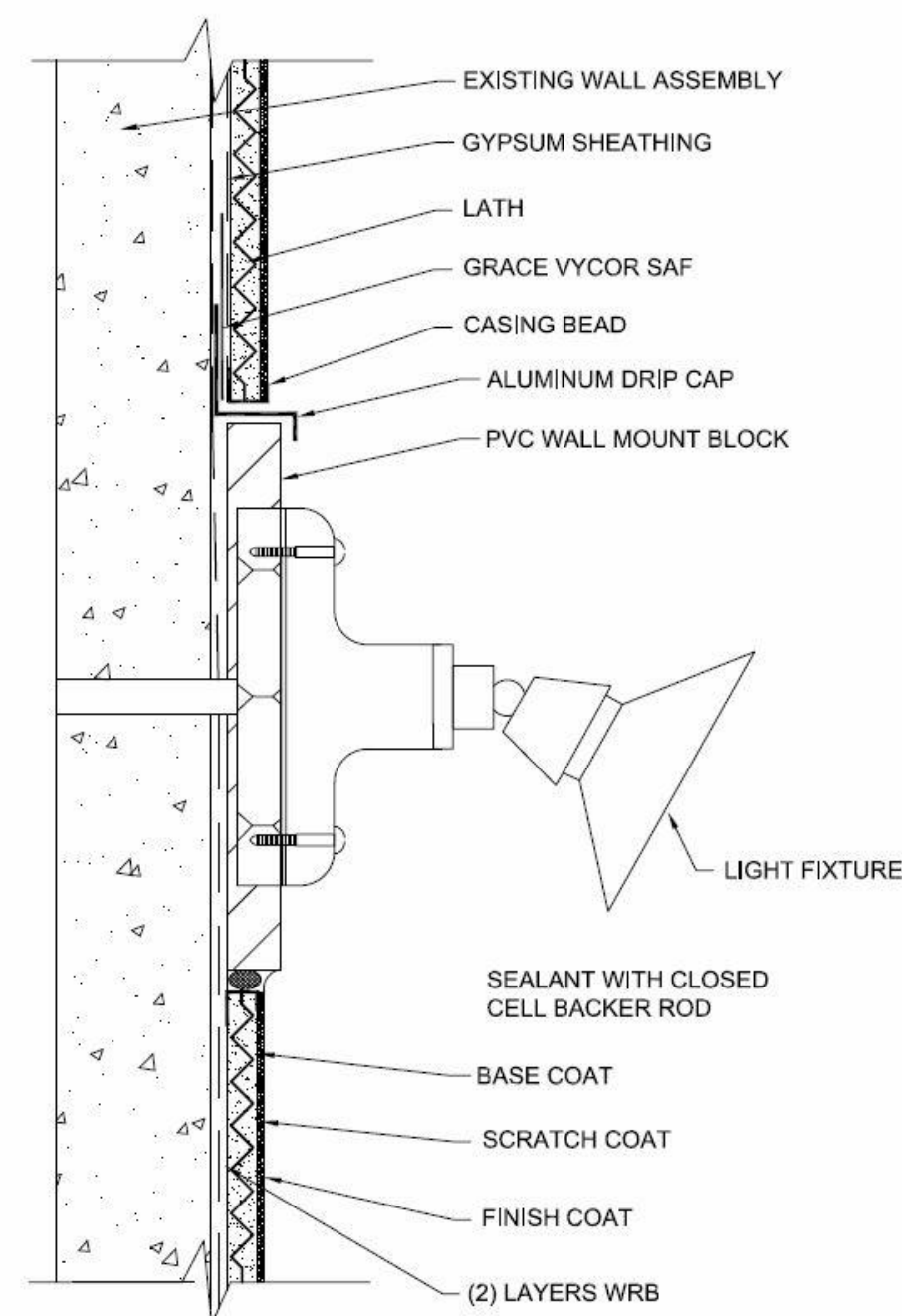




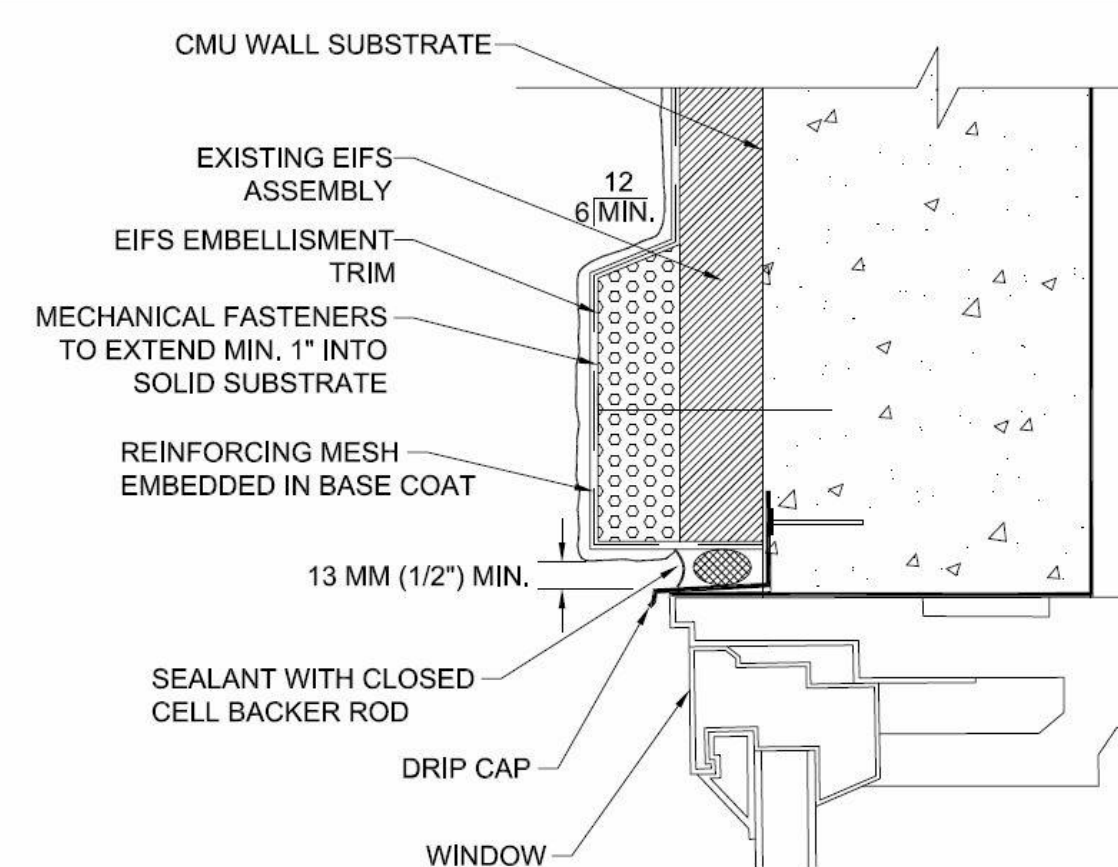
**DOOR JAM DETAIL**  
SCALE: NTS



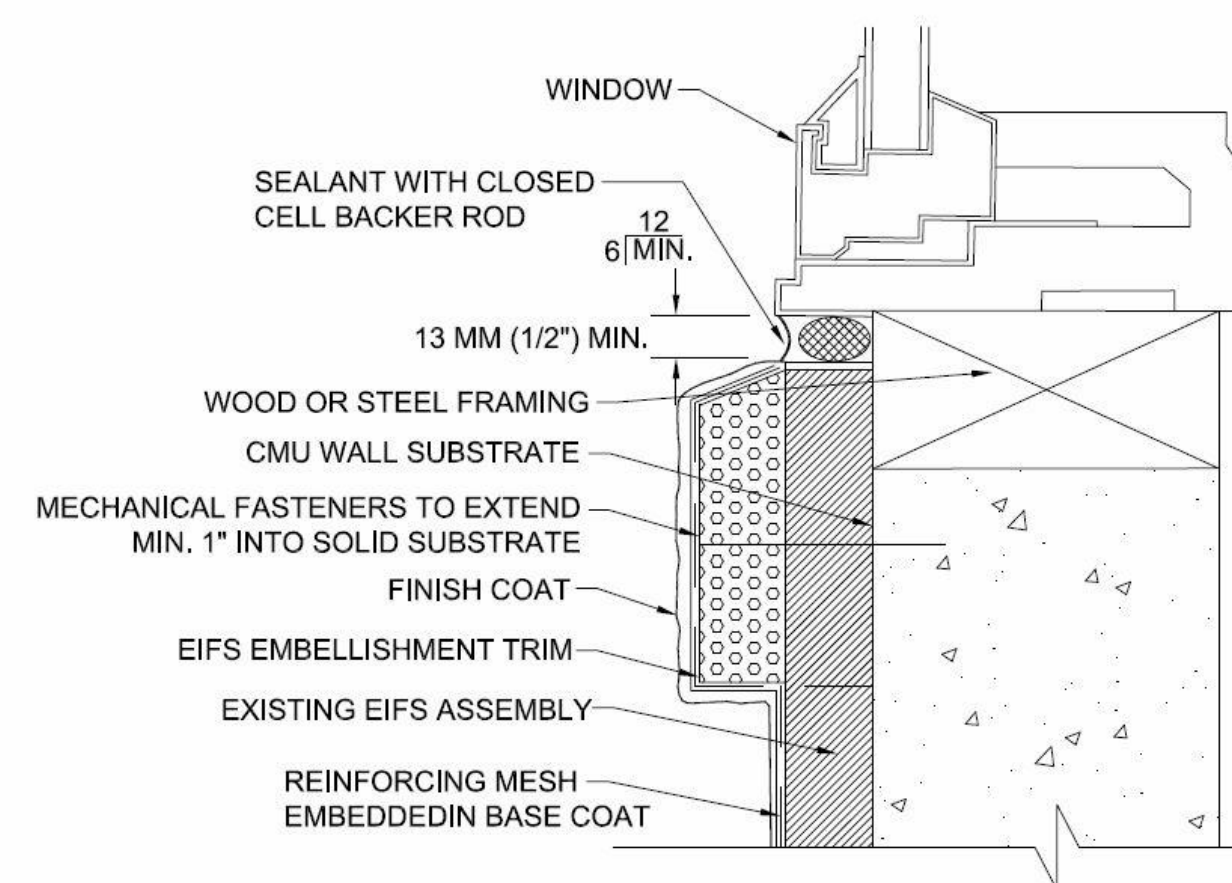
**TYPICAL HARDCOAT STUCCO APPLICATION AT CMU WALL**  
SCALE: NTS



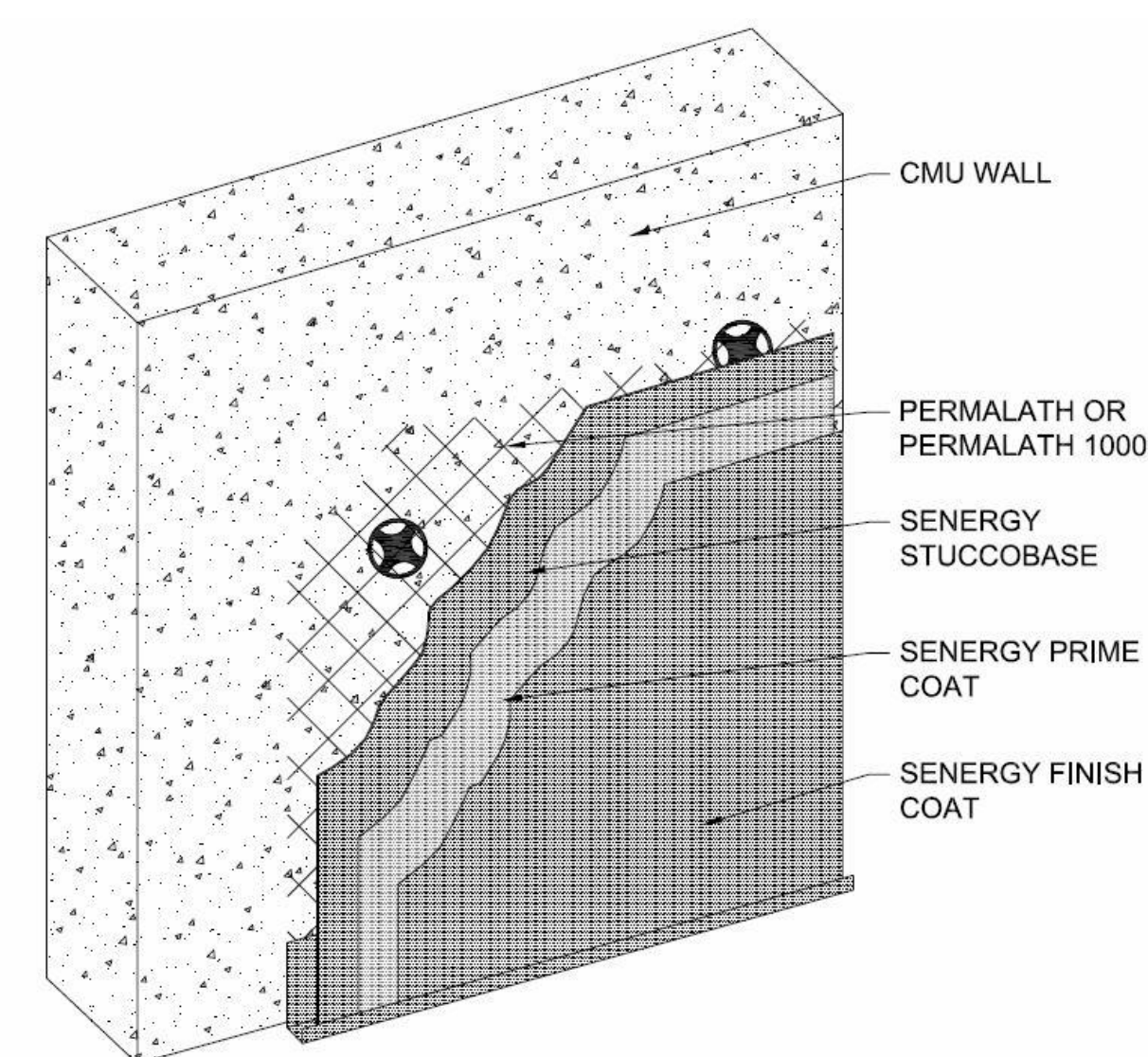
**TYPICAL WALL-MOUNTED LIGHT FIXTURE DETAIL**  
SCALE: NTS



**TYPICAL TERMINATION AT WINDOW/DOOR HEAD**  
SCALE: NTS

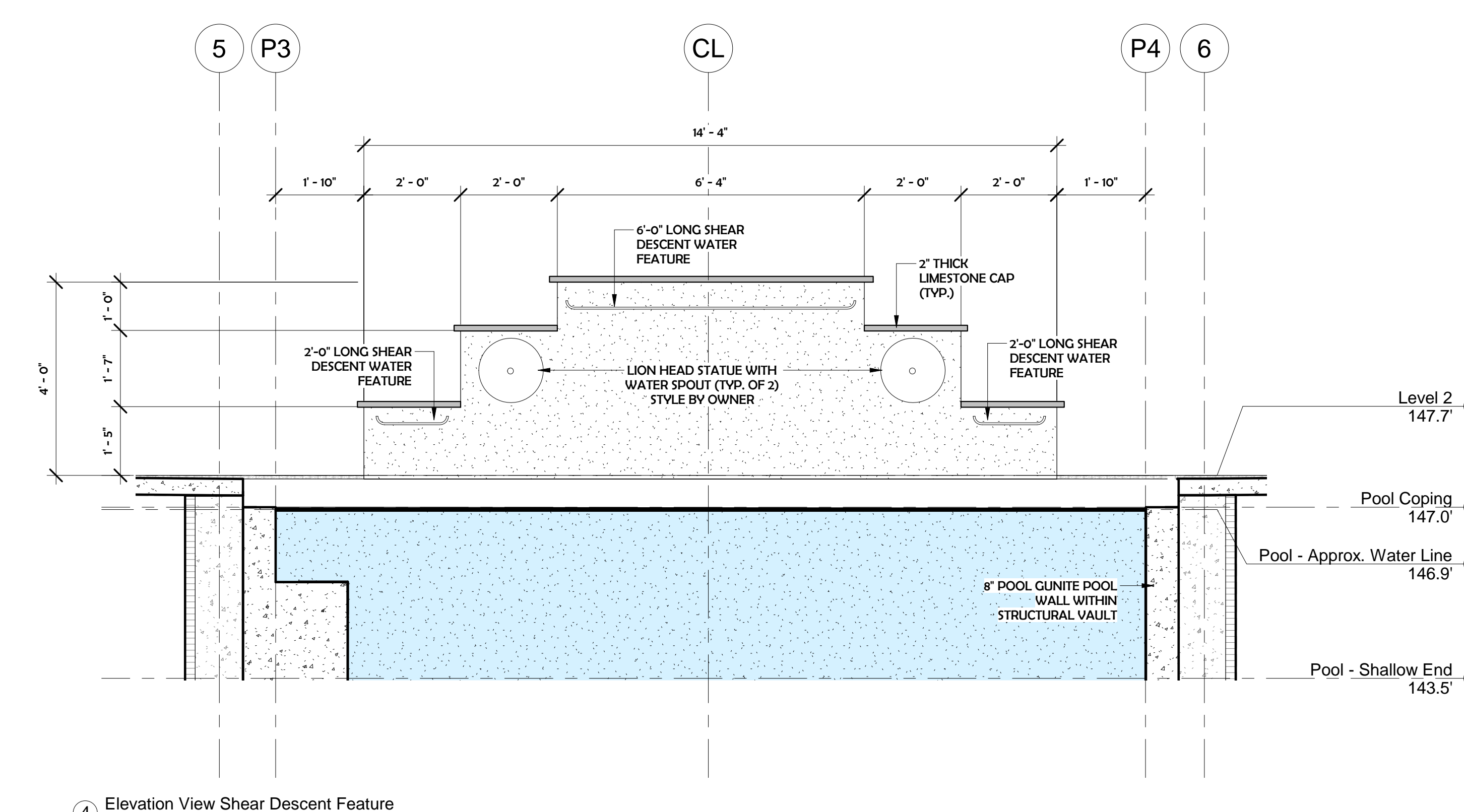
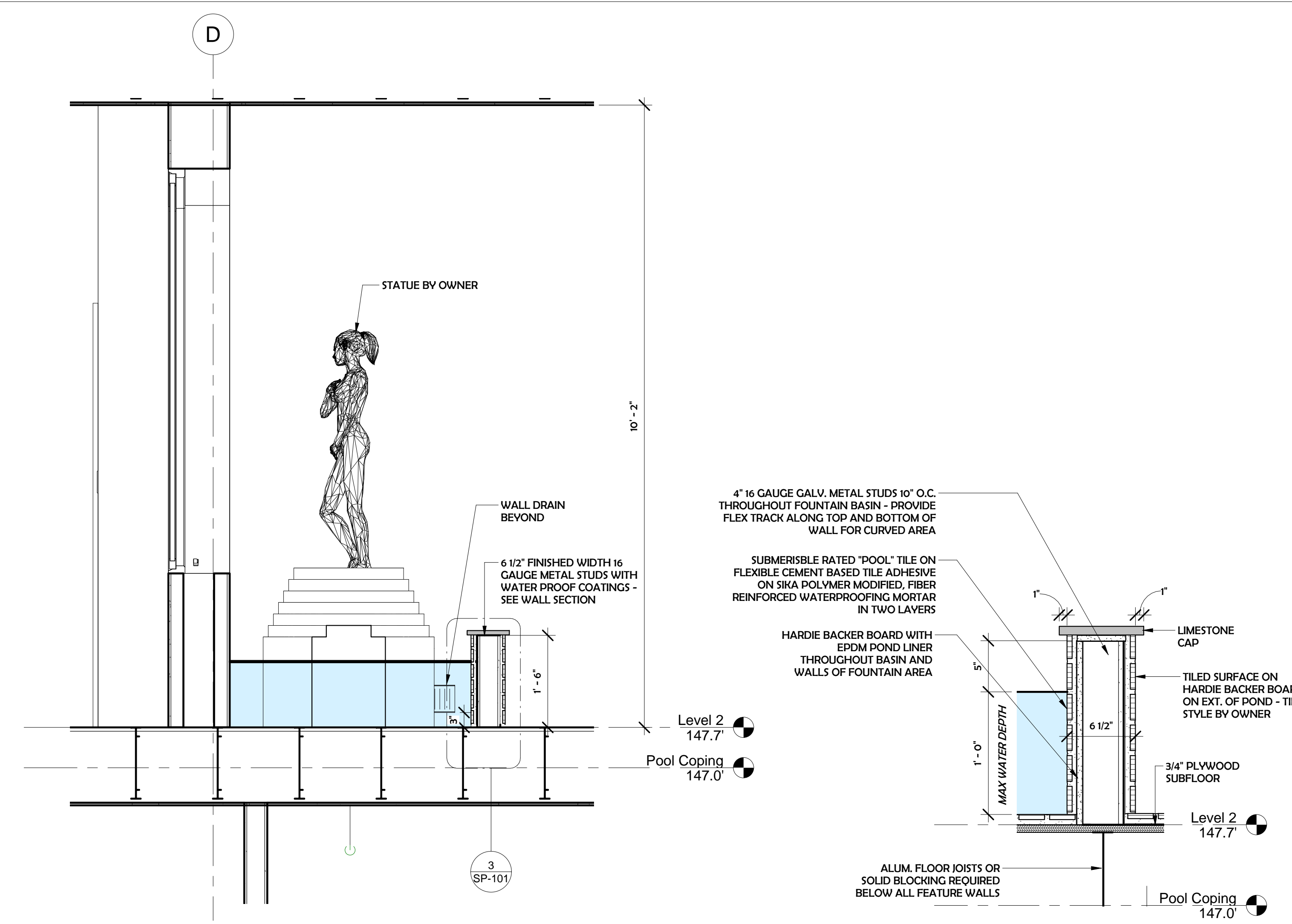
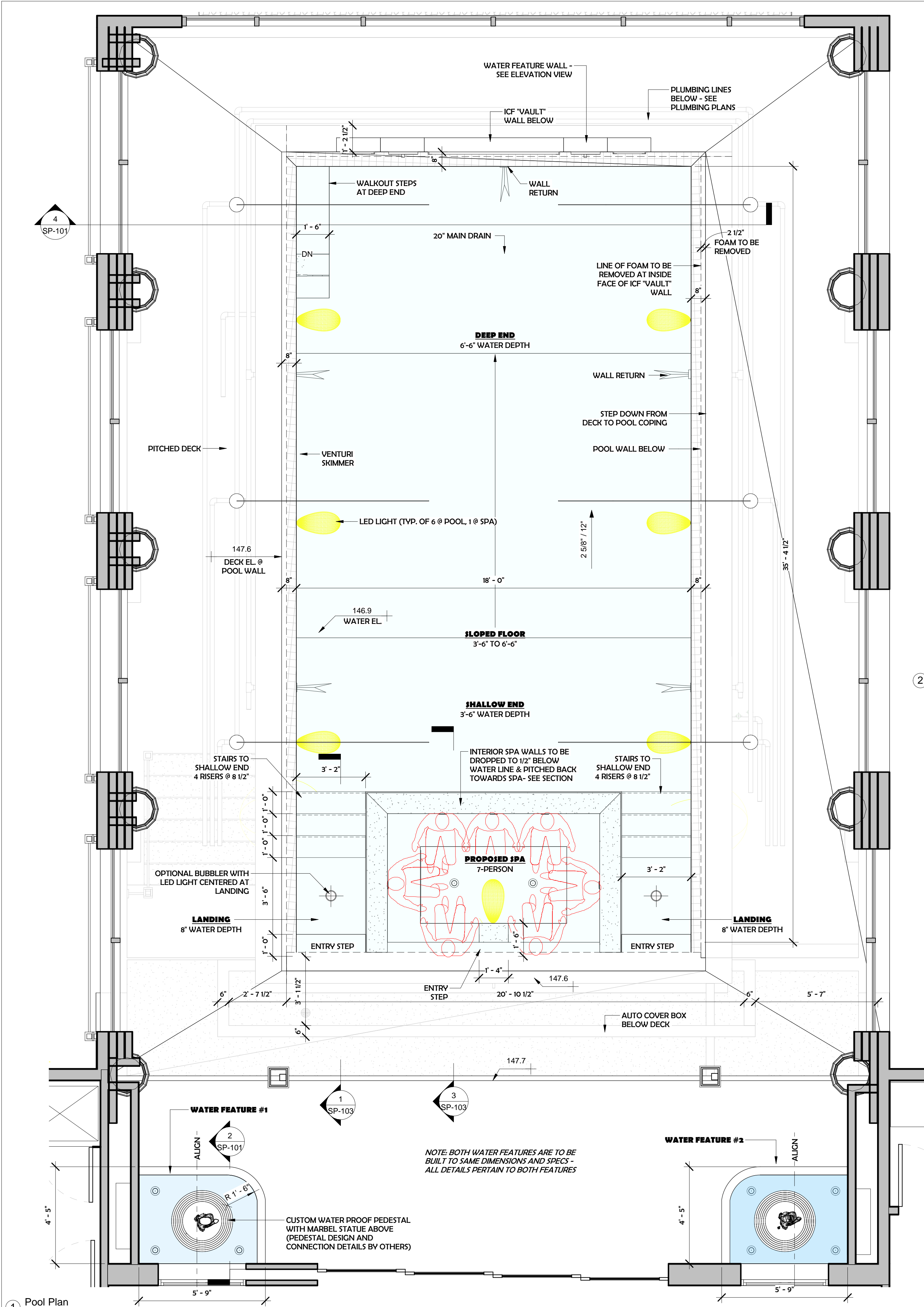


**TYPICAL TERMINATION AT WINDOW SILL**  
SCALE: NTS

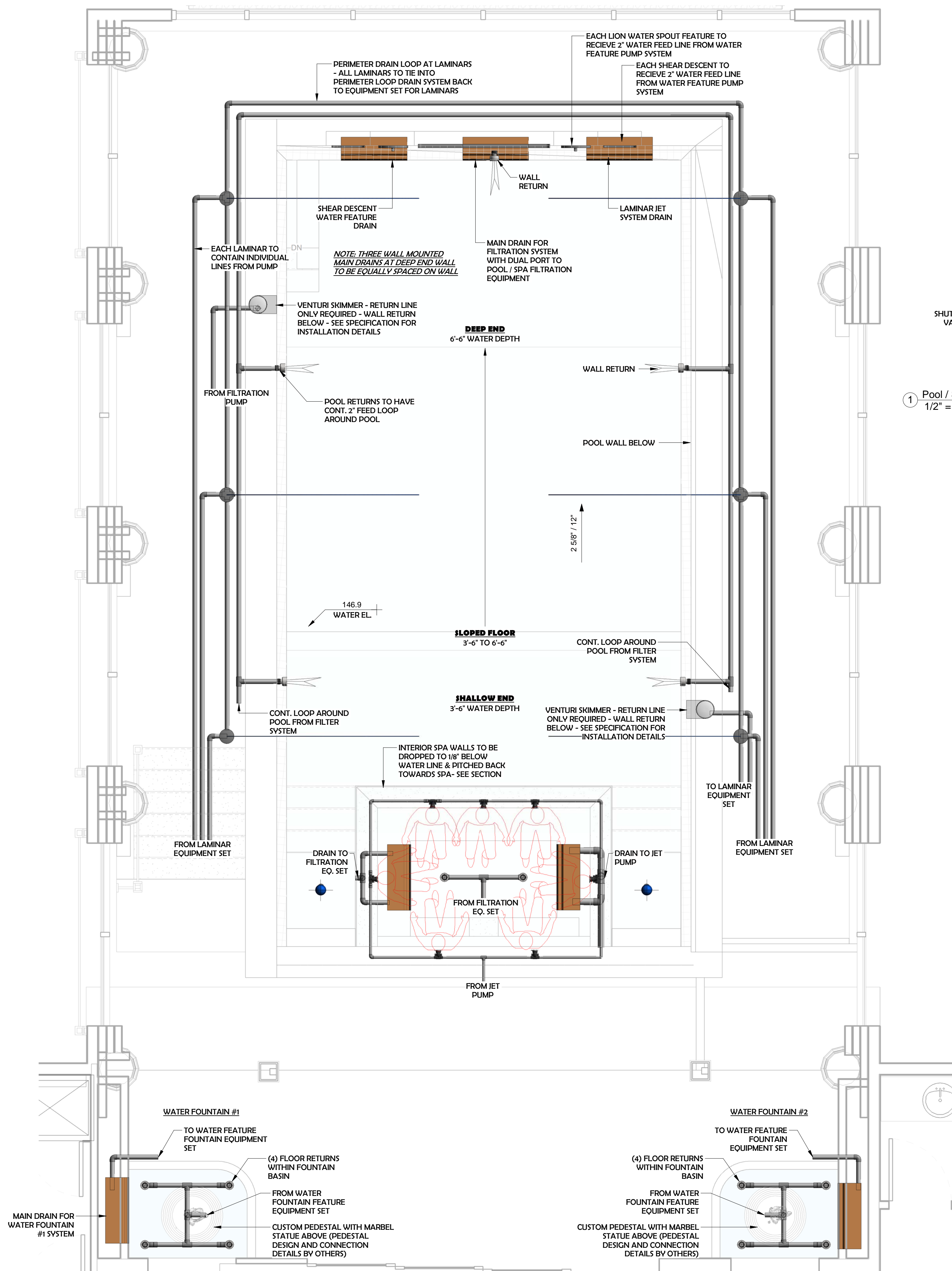


**STUCCO WALL SYSTEM**  
SCALE: NTS

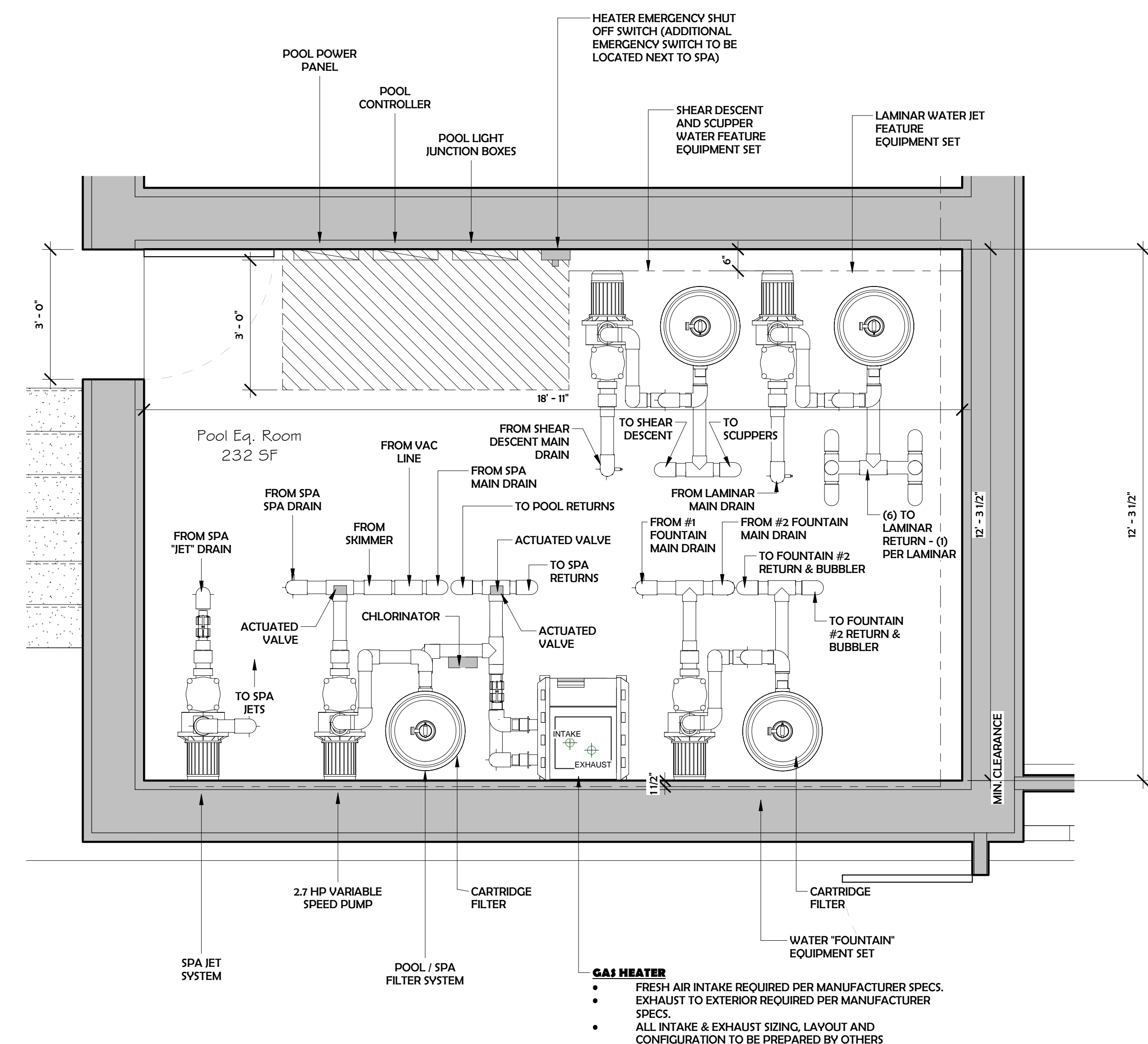
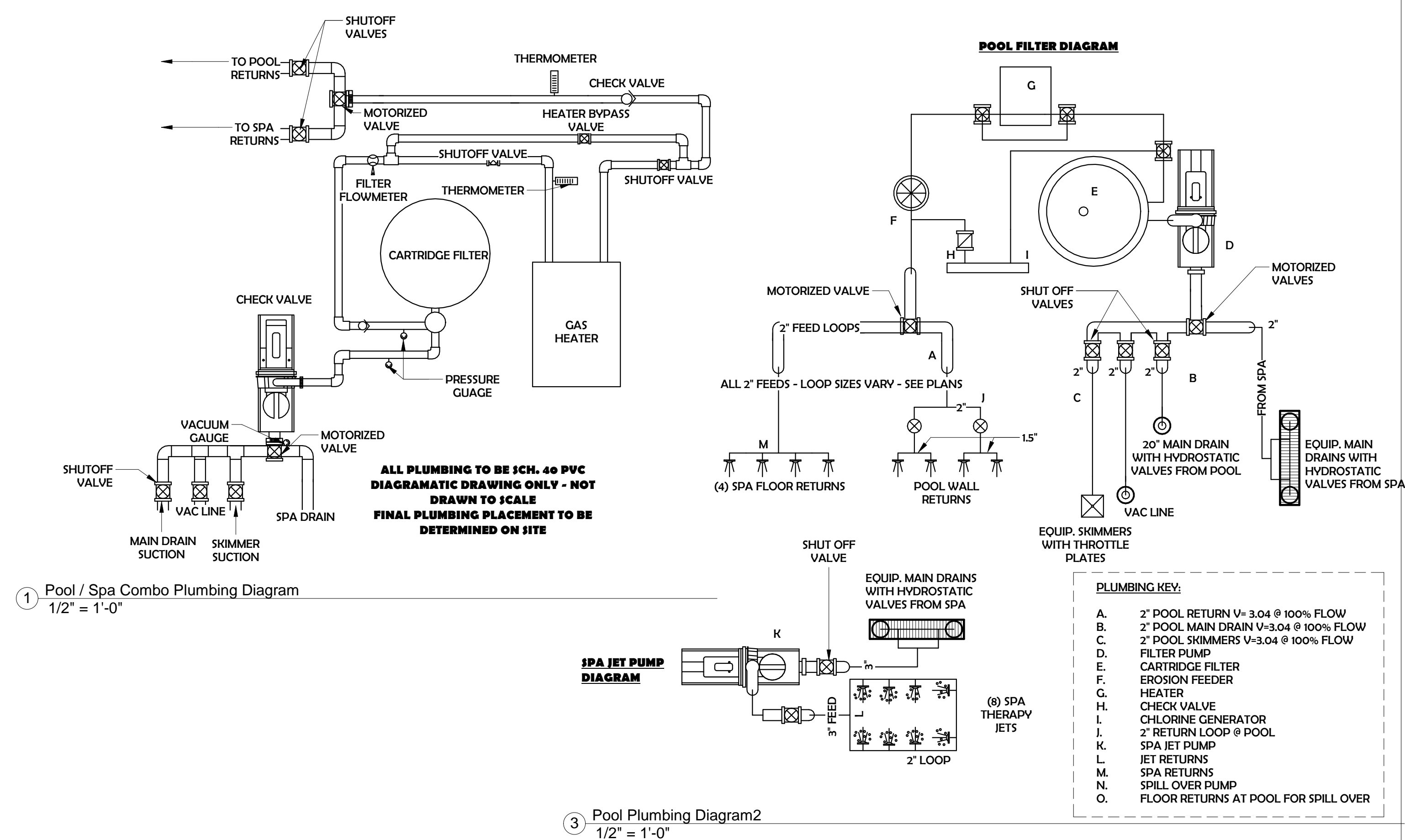




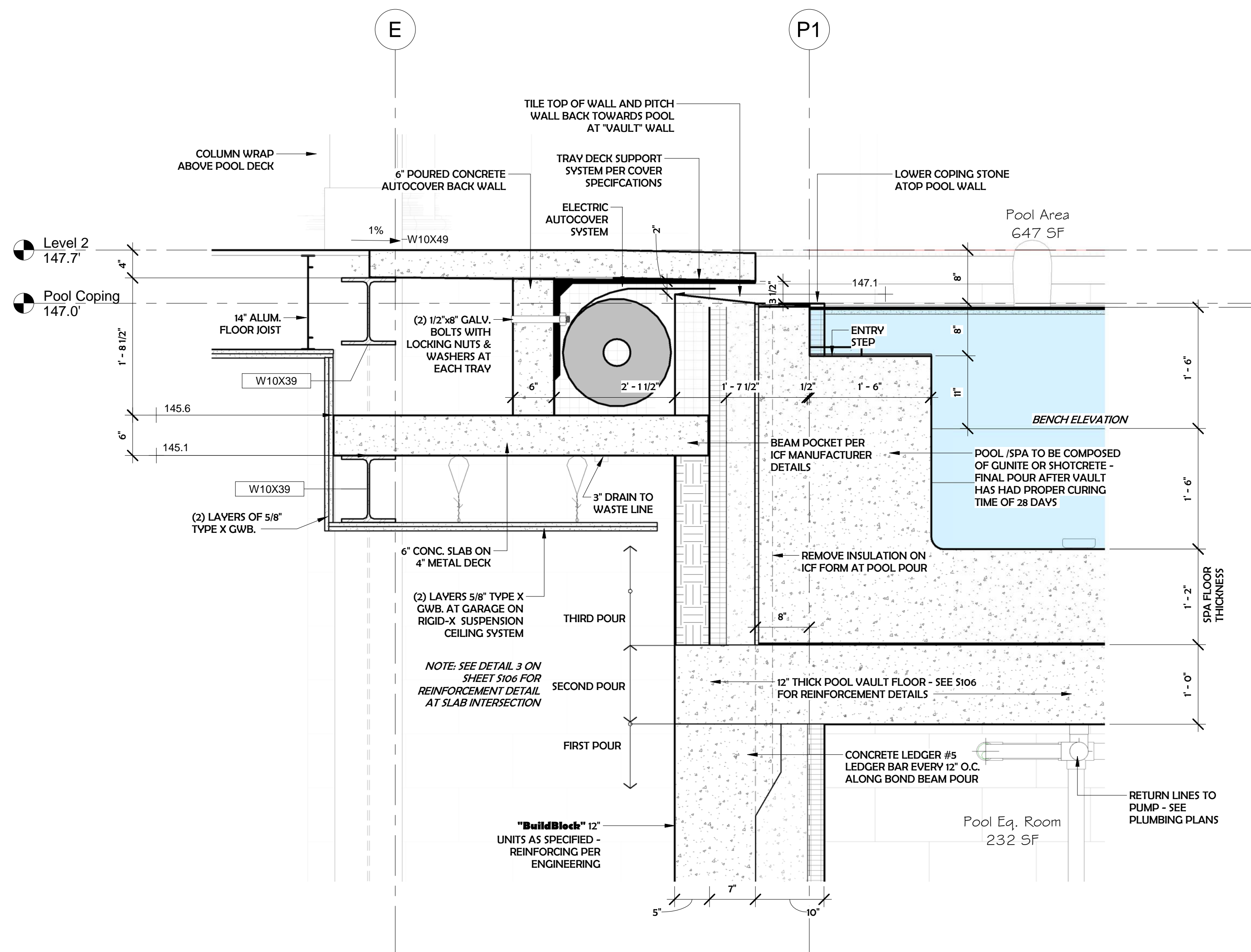




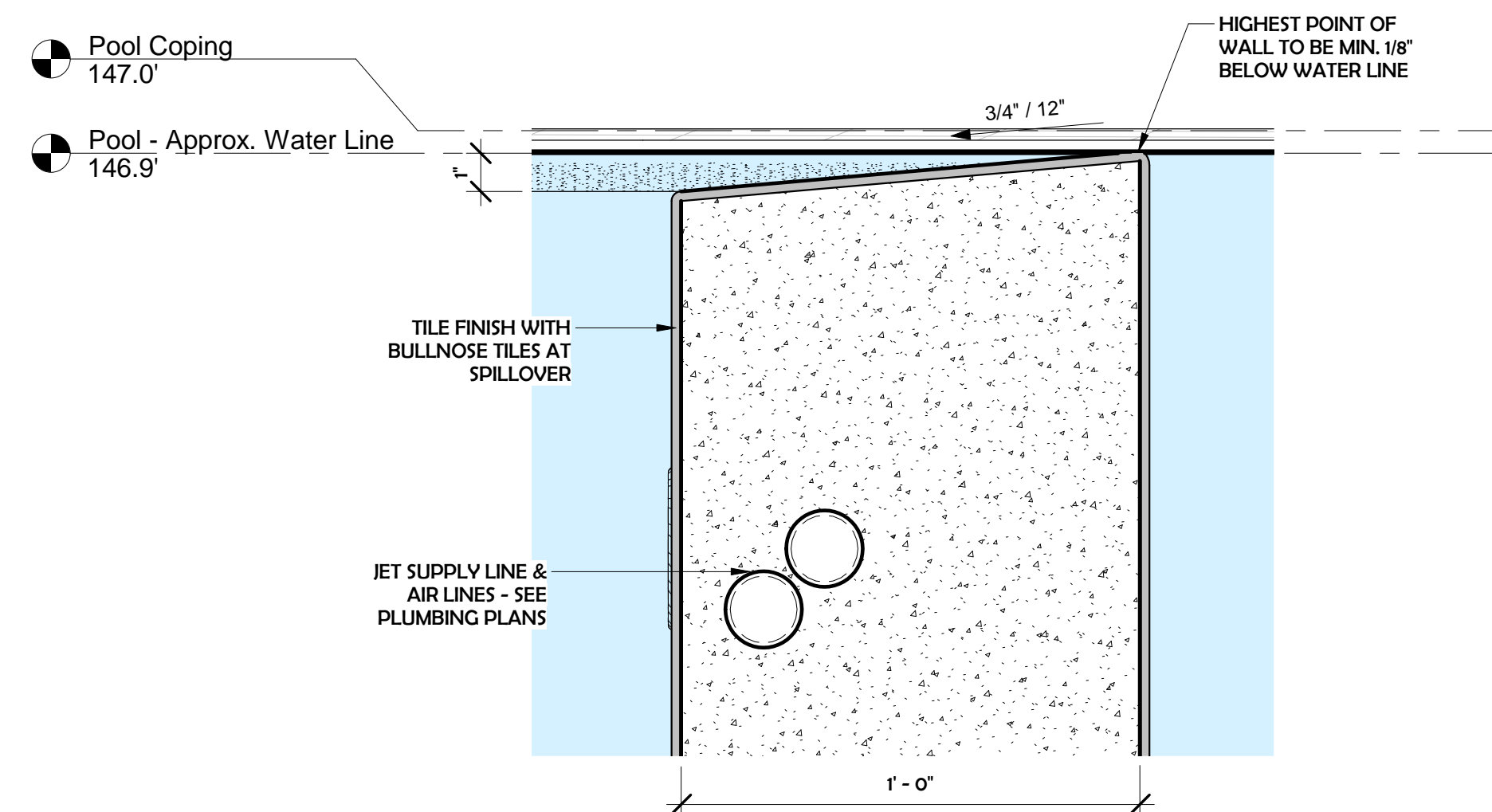
② Pool Plumbing Plan  
3/8" = 1'-0"



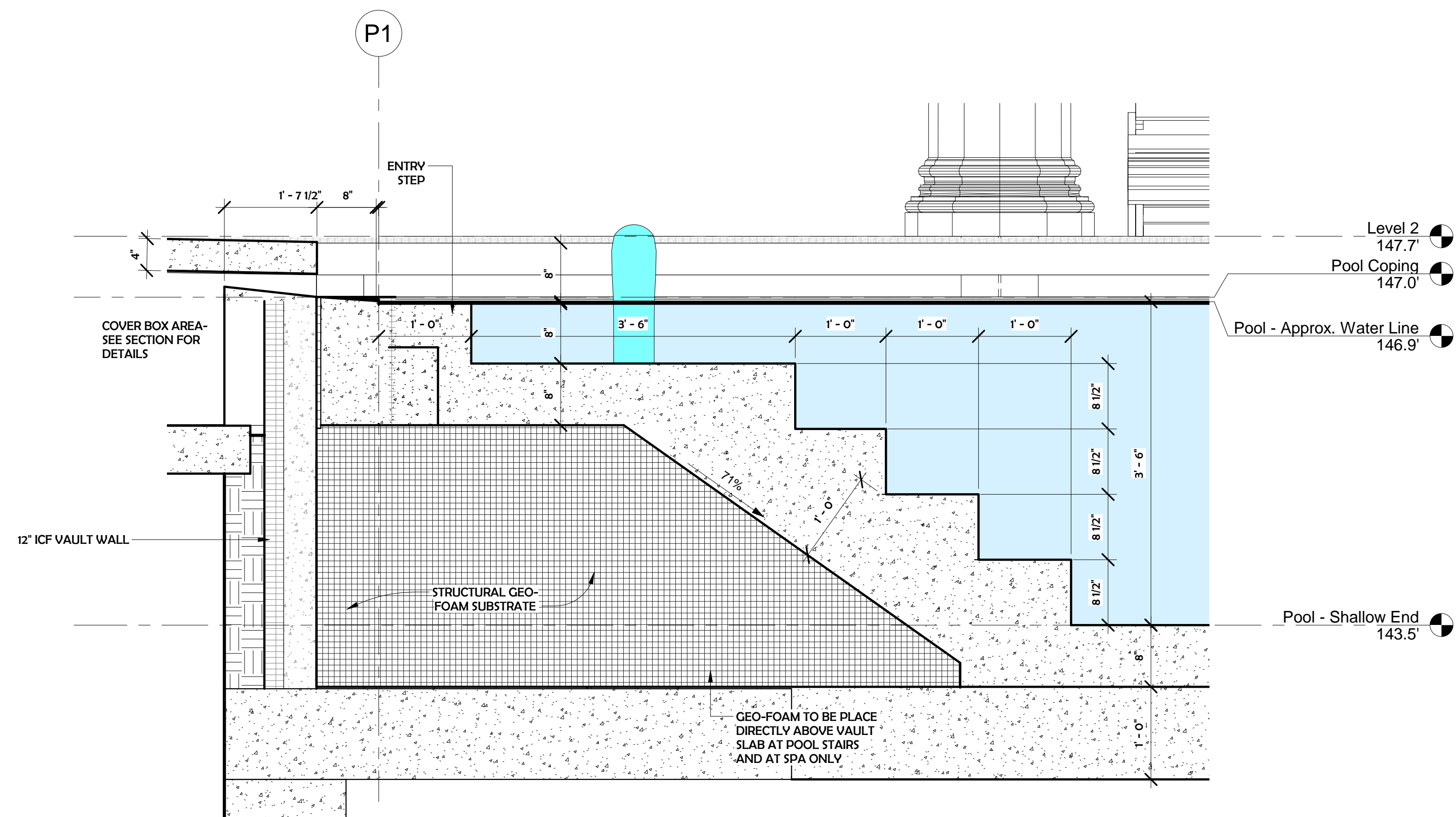




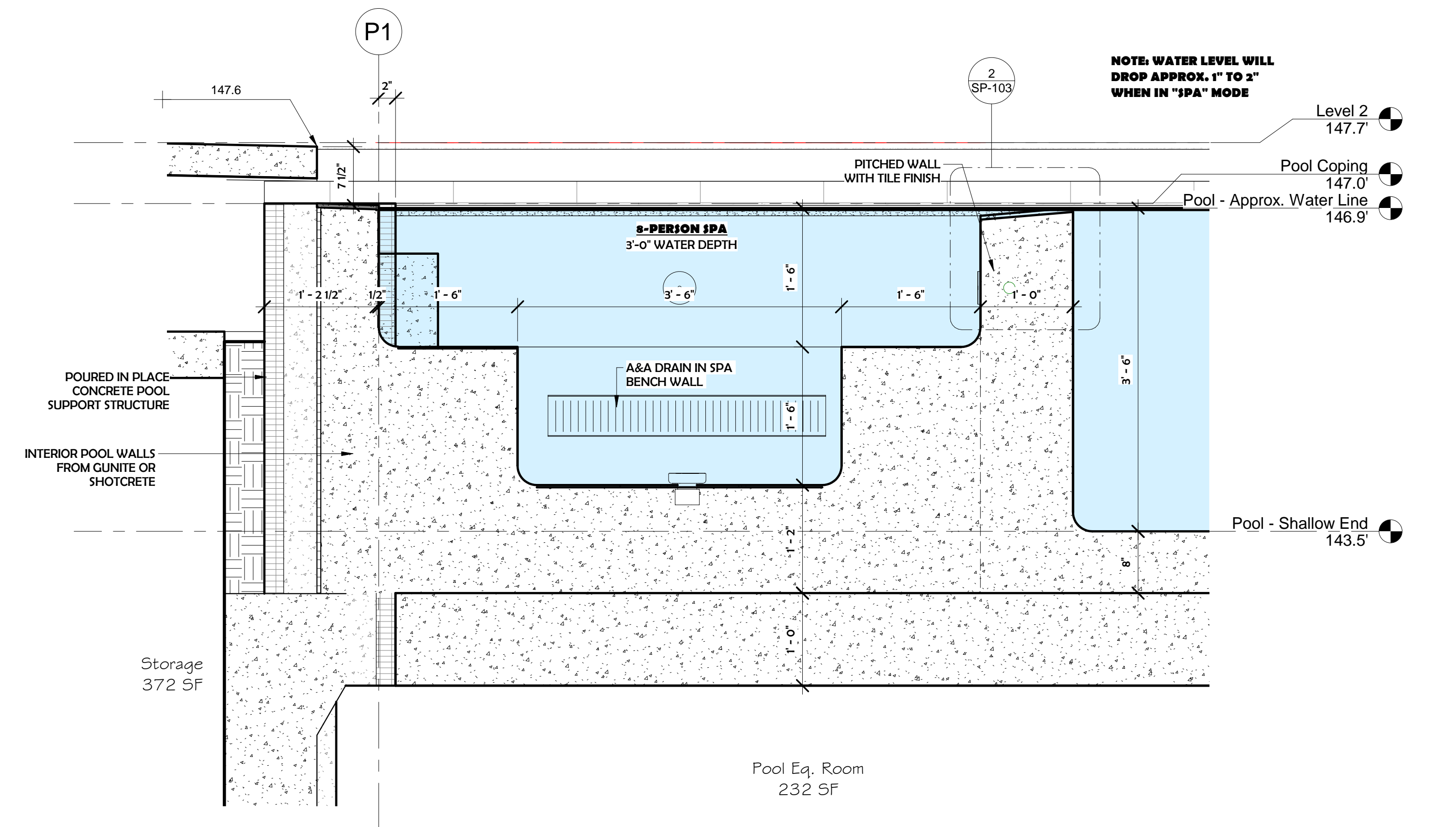
④ Section at Cover Box  
1" = 1'-0"



② Spa Wall Section  
3" = 1'-0"

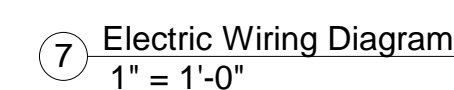
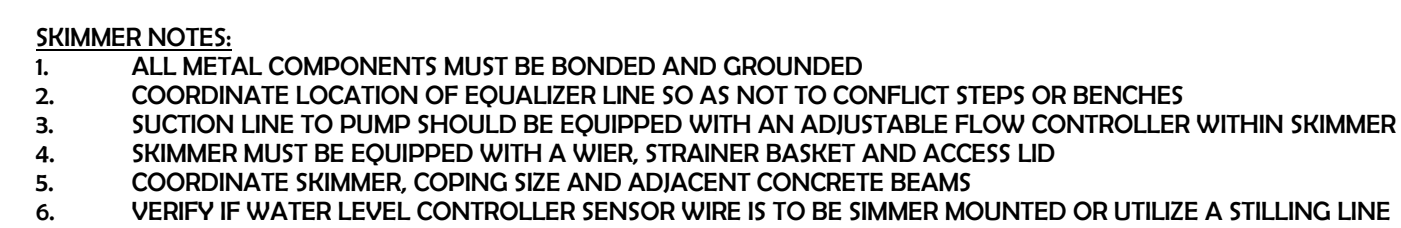
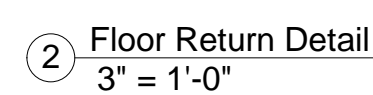
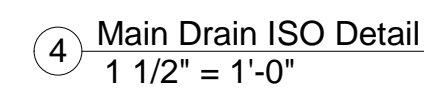
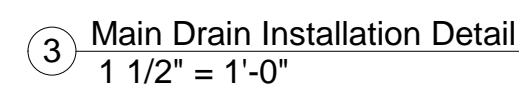
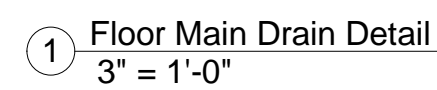


① Pool Stair Section  
1" = 1'-0"



③ Spa Section  
1" = 1'-0"







# The safest, most efficient drain on the market.

The AVSC drain has been classified as unblockable and certified by NSF International. Because of its dual levels of entrapment protection, the AVSC drain offers the highest level of swimmer protection without sacrificing cleaning capability. Designed with a large opening for heavy debris removal, the AVSC keeps your pool clean while efficiently removing unsightly large debris.

The dual inlet design allows for two pumps and eliminates the need for additional points of suction. The AVSC fits flush to the floor, giving you a more efficient clean that is both visually and physically unobtrusive.



Learn more about the AVSC and other A&A products at [aamfg.com](http://aamfg.com).



## CLEAN & CLEAR® PLUS CARTRIDGE FILTER

- Clamp ring for easy and quick access to cartridges
- Single-piece fiberglass-reinforced polypropylene tank for strength and corrosion resistance
- 2" plumbing for maximum flow and faster water cleaning
- Easy access 1 1/4" drain makes proper winterization fast and simple



### FOUR CARTRIDGES IN A COMPACT DESIGN

Clean & Clear Plus filters contain four polyester cartridges that hold enormous amounts of dirt, yet are easier to clean. The fiberglass-reinforced tank halves are secured with an innovative clamp ring—just loosen the ring and remove the top half for easy cartridge access and rinsing. Filter maintenance doesn't get any easier.

- Continuous internal air bleed helps prevent air build-up to keep the filter operating at peak performance.
- Single-piece base and body for strength, stability and years of dependable service.

Model Number	Filter Area Sq. Ft.	Vertical Clearance*	Filter Diameter	Flow Rate GPM:		Turnover Capacity-Res. (gallons)		
				Residential	Commercial	8 hrs.	10 hrs.	12 hrs.
CCP240	240	56"	21.5"	90	43,200	54,000	64,800	
CCP320 <sup>1</sup>	320	62"	21.5"	120	57,600	72,000	86,400	
CCP420 <sup>1</sup>	420	68"	21.5"	150	72,000	90,000	108,000	
CCP520 <sup>1</sup>	520	74"	21.5"	150	72,000	90,000	108,000	

\*NSF Certified  
<sup>1</sup>Residential rate 375 GPM per sq. ft. of filter area

AVAILABLE FROM:



1620 HAWKINS AVE., SANFORD, NC 27330 800.831.7133 WWW.PENTAIRPOOL.COM  
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pumps - filters - heaters - heat pumps - automation - lighting - cleaners - sanitizers - water features - maintenance products

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## MASTERTEMP HIGH PERFORMANCE POOL HEATER

HEATERS AND HEAT PUMPS ARE TO BE CONTROLLED VIA PENTAIR AUTOMATION PANELS (WIFI CONTROLLER) & HARDWIRED SHUT OFF SWITCHES LOCATED WITHIN 3'-0" OF HEATERS - EXHAUST AND INTAKE AIR BY OTHERS



### SPA SIZING\*

Model	Spa Volume (Gallons)							
	200	300	400	500	600	700	800	1,000
	Minutes for 30°F Temperature Rise (Heater Input is 1,000 BTU/Hr)							
175	21.0	31.0	40.0	50.0	61.0	71.0	81.0	102.0
200	18.0	27.0	35.0	44.0	53.0	62.0	71.0	89.0
250/250HD	15.8	23.5	30.8	38.5	46.5	54.3	62.0	77.8
300	13.5	20.0	26.5	33.0	40.0	46.5	53.0	66.5
400/400HD	9.0	13.0	18.0	22.0	27.0	31.0	35.0	44.0

\*Note: The chart is based on a 30°F (1.6°C) temperature rise, dechlorinating water and only based on heat required to raise temperature in heated. Two-year limited warranty. See warranty for details.

\*\*\*MINIMUM EFFICIENCY FOR SELECTED MODEL:

Standard copper heat exchanger 84% efficient. Heavy-duty (HD) cupro-nickel heat exchanger 82% efficient

SPECIFIED GAS HEATER

29



**360**  
Pebble Top Drain

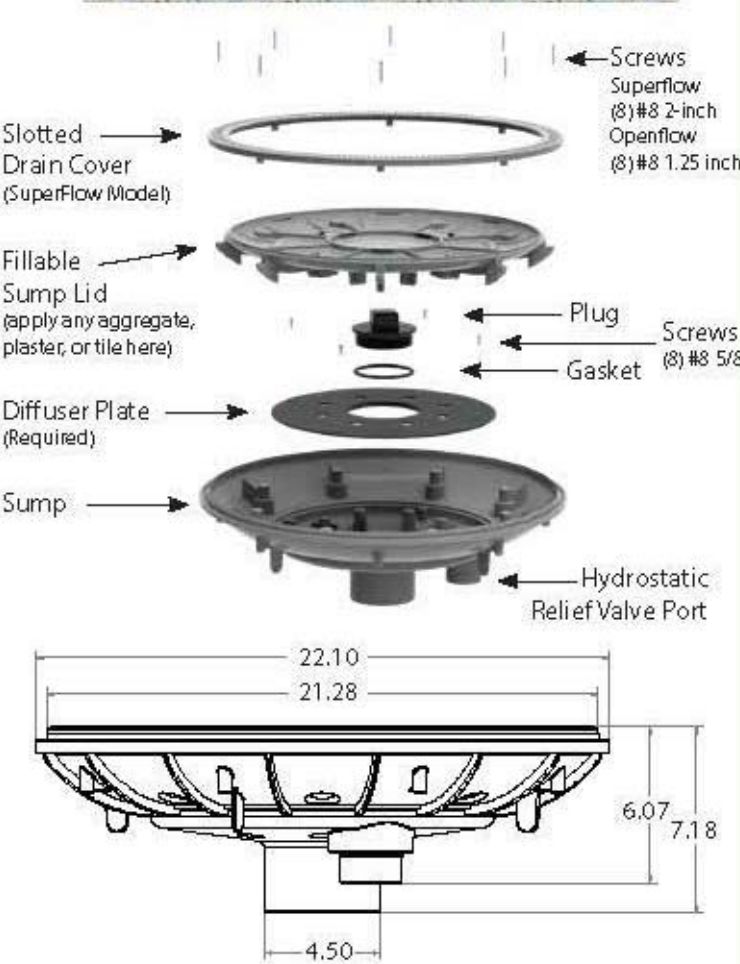
20-INCH VGB  
UNBLOCKABLE SUMP  
WITH FILLABLE SUMP LID

### TWO DRAINS IN ONE

**SUPERFLOW MODEL**  
With removable slotted drain cover

**OPENFLOW MODEL**  
Open debris removal drain (no cover)

EASILY CONVERTS



### FEATURES

- **Unblockable.** Only One Drain Needed.
- For single or multiple drain use (see installation instructions); floor use only
- Fits 2.5-inch, 3-inch, and 4-inch pipe
- **MAXIMUM FLOW RATE BY PIPE SIZE:**  
**SuperFlow 360** (with slotted drain cover)  
2.5-inch pipe = 300 GPM  
3-inch or 4-inch pipe = 360 GPM  
19,712 Square Inches Open Area  
**OpenFlow 360** (open debris removal)  
2.5-inch pipe = 220 GPM  
3-inch or 4-inch pipe = 240 GPM  
59,45 Square Inches Open Area
- Use a 4-inch to 4-inch Schedule 40 Coupler or 4-inch to 3-inch/2.5-inch Schedule 40 Reducer
- Apply same plaster, aggregate or tile to Fillable Sump Lid; Replace lid every five years from the date of installation
- Built-In Hydrostatic Relief Valve Port
- Flush with floor, no pool cleaner hangups
- Allows for multiple pumps
- Slurry pump fits inside the sump
- Manufactured from superior UV-resistant ABS (use ABS to PVC Glue)
- VGB SAFETY CERTIFIED; ANSI/APSP-16.2011 and NSF/ANSI 50-2015 compliant

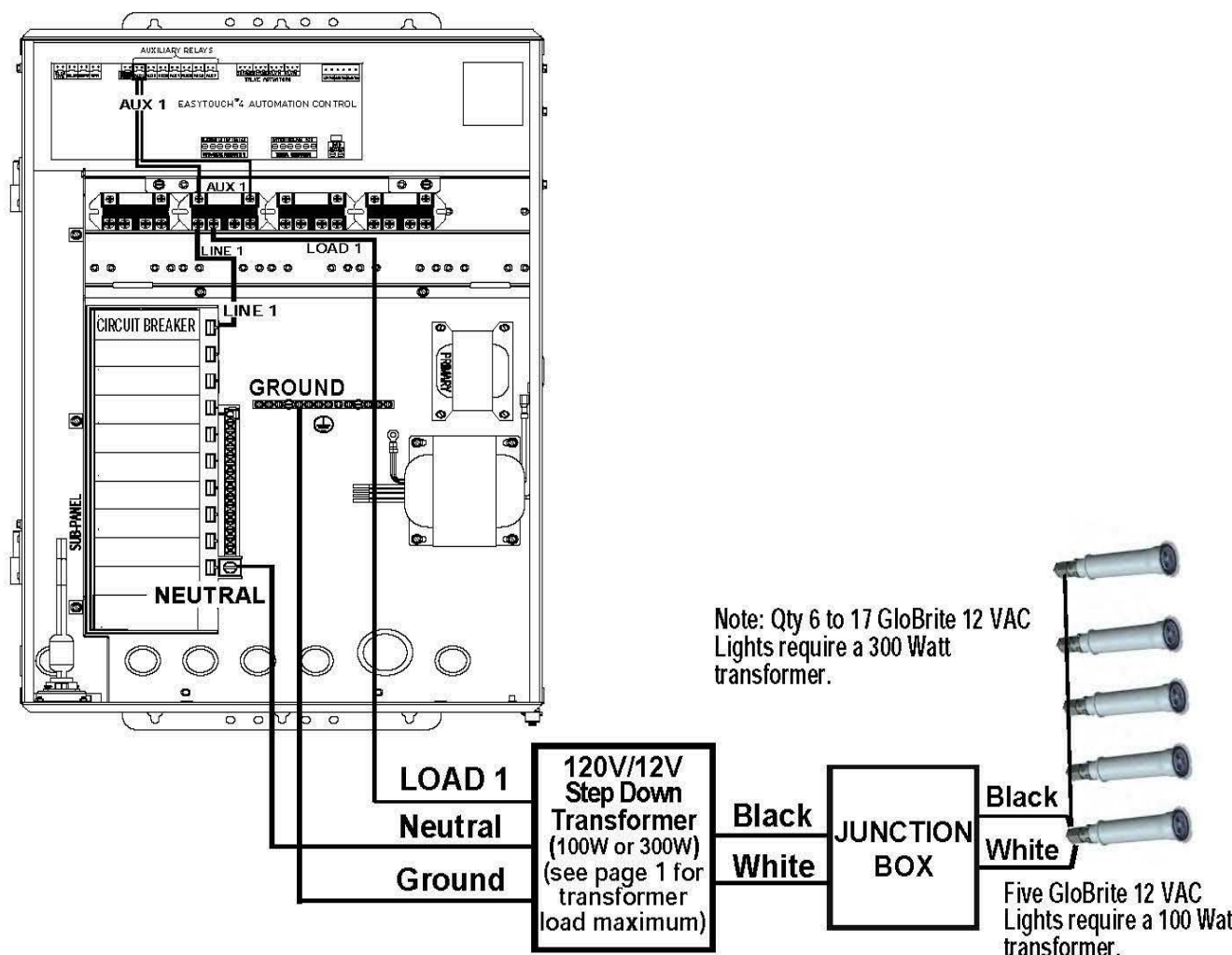
1 per case

#### Available Colors

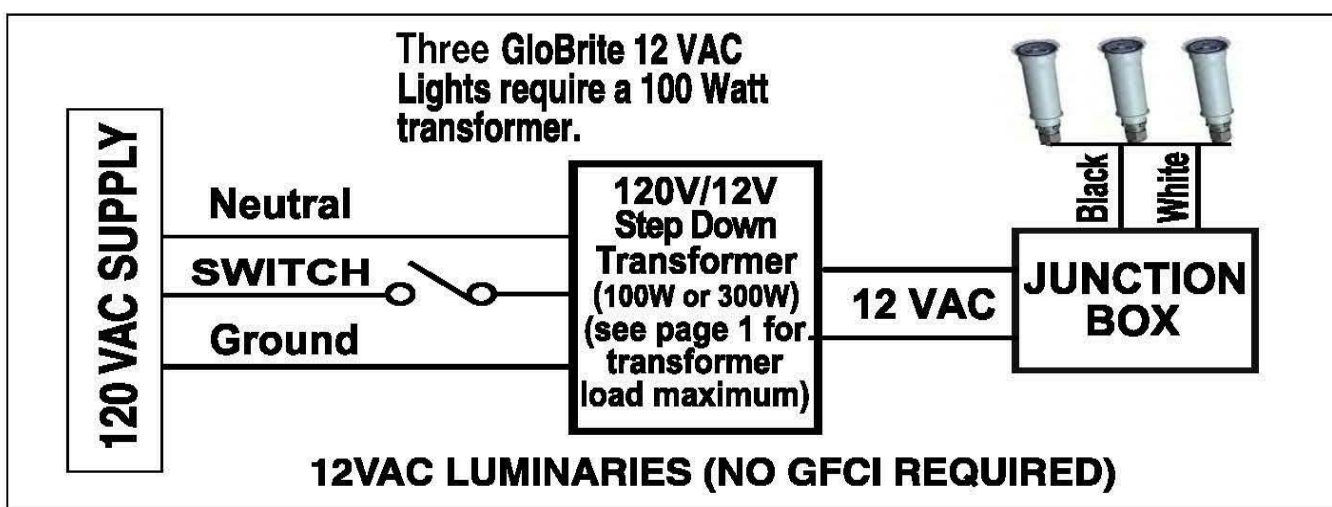
White (360-01) Dark Gray (360-05)  
Black (360-02) Tan (360-08)  
Light Gray (360-03) Light Blue (360-09)  
Clear (360-CLR)

Patent Nos. 9,822,539 / 6,209,586 / 6,340,035 / 6,557,588

TOLL FREE: 877-635-4120 • 623-337-4120 • FAX: 623-337-4126 • [info@poolfittings.com](mailto:info@poolfittings.com) • [www.poolfittings.com](http://www.poolfittings.com)



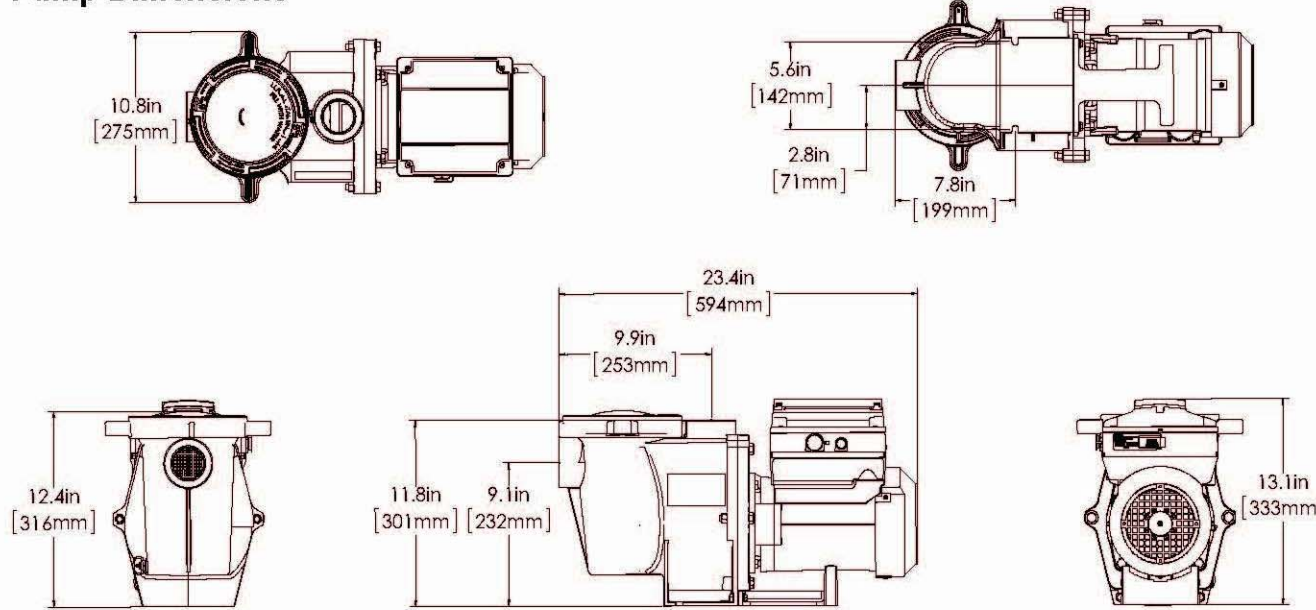
EasyTouch® and IntelliTouch® Control System Load Center Wiring Diagram



GloBrite™ Color Light with Wall Switch Wiring Diagram

GLOBRITE™ Color Changing LED Pool/Spa Light Installation and User's Guide

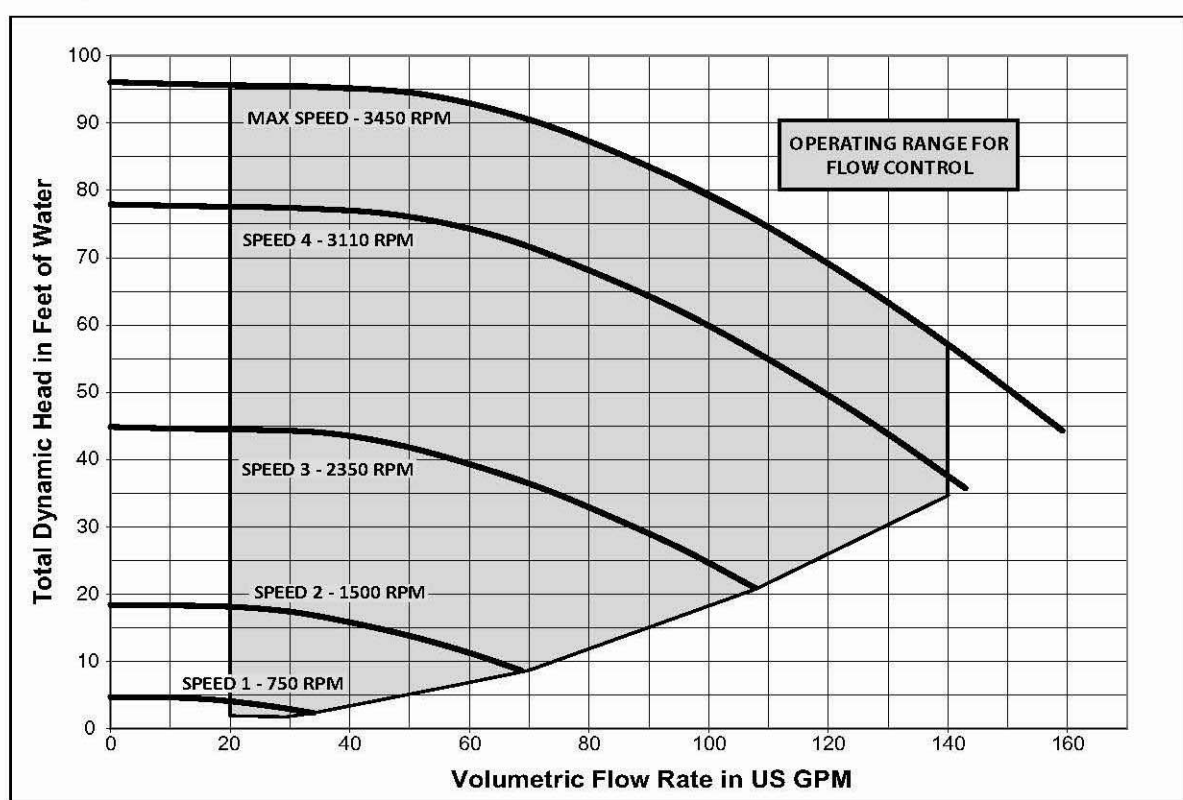
### Pump Dimensions



### Electrical Specifications

Circuit Protection: Two-pole 20 AMP device at the Electrical Panel.  
Input: 230 VAC, 50/60 Hz, 3200 Watts Maximum, 1 phase

### Pump Performance Curves



INTELLIFLO® VSF Variable Speed and Flow Pump Installation and User's Guide