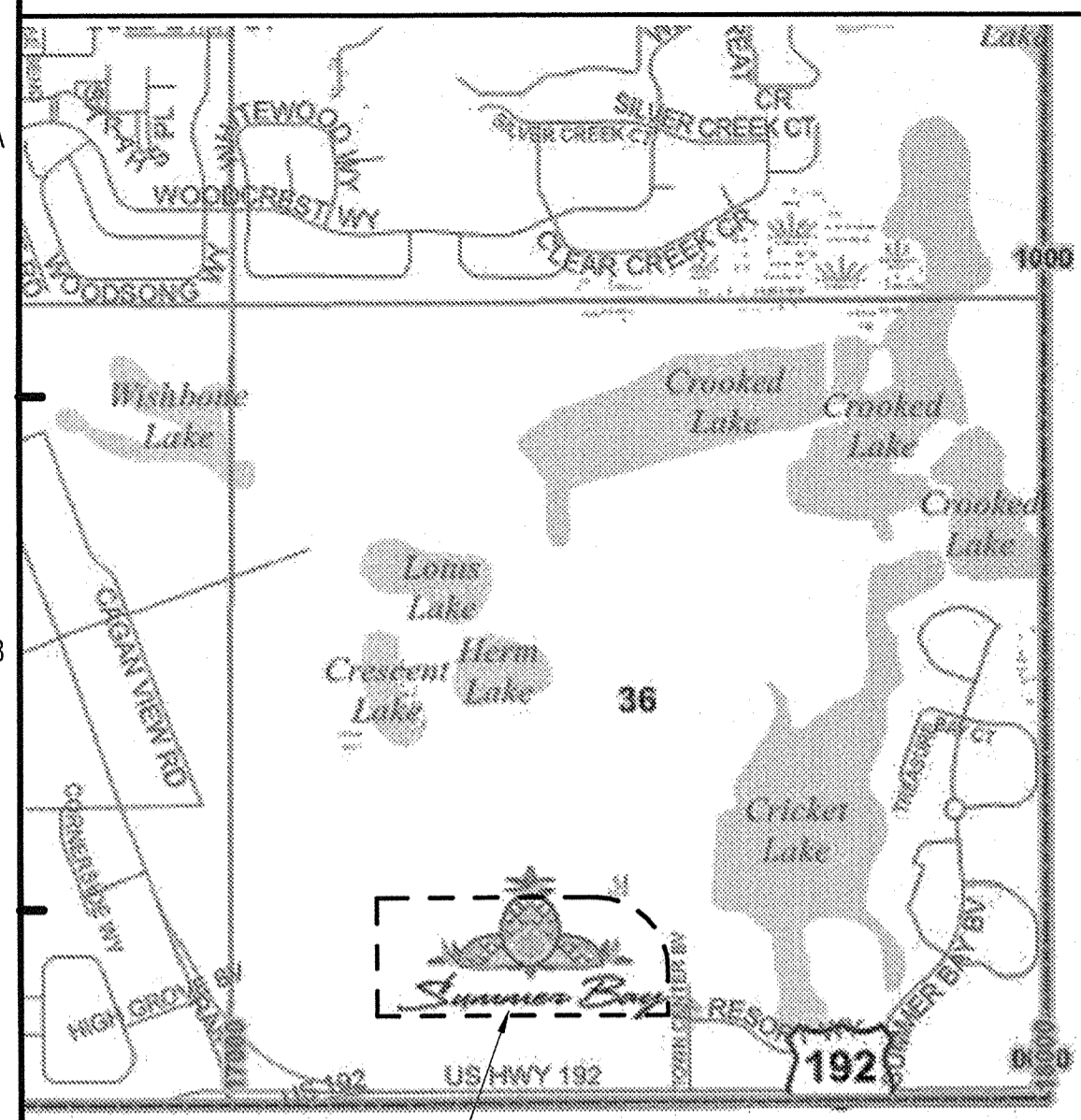


VICINITY MAP



PROJECT SITE



PROJECT NARRATIVE:

This project narrative is provided as a brief outline of the proposed scope of building improvements for this Project. The Project consists of the construction of a new multi-family residential rental apartment community North of Highway 192 (W. Iro Bronson Memorial Highway), East of Highway 27 and South of the Stringbean Lake within Lake County. The program includes a total of 245 dwelling units of 4 unit types (1, 2 & 3-bedroom) with Balcony and Solarium options.

SYMBOL KEY:

Table with 2 columns: Symbol and Description. Symbols include door, window, wall, grid line, room name, title, elevation, section, detail, interior elevations, level reference, roof slope, accessory tag, note tag, level change, and revision mark.

SUMMER BAY APARTMENTS

LAKE COUNTY, FLORIDA

Professional responsibility table listing Owner (Summer Bay Partnership), Architect (Fugleberg Koch Architects), Civil Engineer (Bravo Engineering, LLC), Structural (ASD Advanced Structural Design), Mechanical/Electrical/Plumbing (KTD, Consulting Engineers Inc.), Landscape Architect (Landscape Dynamics), Interior Design (NAME), and Contractor (NAME).

PERMIT REVIEW  
PLANS FOR INSPECTORS USE ONLY  
MUST BE ON JOB SITE DURING INSPECTION

EACH BUILDING MUST HAVE INDIVIDUAL APPROVED PLANS (COPIES ACCEPTABLE) FOR INSPECTORS USE

INDEX OF DRAWINGS table listing architectural sheets (A0.01 to A4.12) and their respective dates and revisions.

INDEX OF DRAWINGS table listing structural sheets (S1.01 to S5.05) and their respective dates and revisions.

INDEX OF DRAWINGS - CONSULTANTS table listing consultant sheets (HVAC, ELECTRICAL, PLUMBING, FIRE PROTECTION) and their respective dates and revisions.

INDEX OF DRAWINGS - CONSULTANTS table listing consultant sheets (HVAC, ELECTRICAL, PLUMBING, FIRE PROTECTION) and their respective dates and revisions.

Building Permit Matrix table listing building numbers, types (Clubhouse, Unit 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, Maintenance Building, Pool Pavilion, Mail Kiosk, Dumpster Enclosure), and permit numbers.

- ADDITIONAL PERMITS REQUIRED: Automatic Sprinkler System, Commercial Kitchen Hoods, Fire Alarm System, Fire Alarm Monitoring, Fire Hydrants (Private), Fire Pump, Fire Suppression System, Fuel or Oil Tanks, Fuel Gas (LP or Natural), Underground Fire Mains. Call Fire Plan Review @ 352-343-9653 For information.

LAKE COUNTY BUILDING DEPARTMENT REVIEWED PLANS ARE TO BE USED ON THIS SITE ANY ERRORS OR OMISSIONS IN THESE PLANS SHALL BE MADE TO CONFORM WITH APPLICABLE REQUIREMENTS PER SECTION 105.4 OF THE CODE REQUIREMENTS FOR BUILDING CODE. Building 01/21/12-18-13

ISSUE HISTORY table with columns for No., Date, and Description.

REVISION HISTORY table with columns for No., Date, and Description.

FUGLEBERG KOCH P.L.L.C. logo and contact information: 2555 Temple Trail, Winter Park, FL 32789. (407) 629-0595 www.fuglebergkoch.com AA26002103

LAKE COUNTY BUILDING DIVISION Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

SUMMER BAY APARTMENTS COVER SHEET A0.01. Includes project name, location (Lake County, FL), and project number (5169).

Handwritten signature and date: 2013.12.23. RECEIVED DEC 30 2013.

BUILDING CODE ANALYSIS - FLORIDA BUILDING CODE, 2010 EDITION

CODE SUMMARY table with columns for code number, code description, and applicable codes.

BUILDING AREA MODIFICATION APARTMENTS table with columns for floor, area, and allowable values.

FIRE-RESISTANCE RATING REQUIREMENTS table with columns for structural frame, bearing walls, and roof construction.

MAXIMUM AREA OF EXTERIOR WALL OPENINGS table with columns for unprotected and protected openings.

MEANS OF EGRESS - IFBC TABLE 1016.1 & FFPC table with columns for occupancy classification, location, and remarks.

GENERAL CODE PARAMETERS table with columns for description, required or allowable, and this project values.

506.2.1 Width Limits - The value of W shall be at least 20 feet (6096 mm). Where the value of W varies along the perimeter of the building...

\*\* BUILDING HEIGHT MODIFICATION APARTMENTS (R-2) FOR GROUP R BUILDINGS EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM...

AREA SCHEDULE - (BUILDING) tables for Building 1, 2, and 3 with columns for name and area.

ENERGY EFFICIENCY - (Chapter 4 of the 2010 Florida Energy Efficiency Code) SECTION 401 GENERAL 401.1 Scope. This chapter applies to residential buildings.

BUILDING CODE PARAMETERS - [IFBC 2010]

Large table with columns for description, required, allowable, and this project values for various building parameters.

FLORIDA PRODUCT APPROVAL CHECKLIST - [IFBC 2010] (APARTMENTS) table with columns for category, manufacturer, product description, design pressure, wind borne debris protection, and approval number.

Additional area schedule tables for Building 1, 2, and 3.

402.4 Air sealing and insulation COMPONENT CRITERIA Air barrier and thermal barrier Exterior thermal envelope insulation for framed walls is installed in substantial contact and continuous alignment with building envelope air barrier.

NOTES: 1) OCCUPANCY SEPARATION AT DWELLING UNITS PER SECTION 439 - 709 (VERTICAL-WALLS) & 712 (HORIZONTAL-FLOORS) = 1 HR 2) 712.4 CONTINUITY - The supporting construction shall be protected to afford the required fire-resistance rating of the horizontal assembly supported.

Additional area schedule tables for Building 1, 2, and 3.

Additional area schedule tables for Building 1, 2, and 3.

402.4.2 Air sealing and insulation COMPONENT CRITERIA Air barrier and thermal barrier Exterior thermal envelope insulation for framed walls is installed in substantial contact and continuous alignment with building envelope air barrier.

ARCHITECTURAL ABBREVIATIONS

Large table of architectural abbreviations with columns for letter, description, and alternate descriptions.

PERMIT REVIEW

Table for permit review with columns for date and description.

FLORIDA ACCESSIBILITY CODE NOTES

- 1. ALL ADAPTABLE UNITS SHALL COMPLY WITH THE FHA DESIGN MANUAL 1998 w/ANSI 2003. 2. FIRST FLOOR DWELLING UNITS SHALL BE ADAPTABLE PER FAIR HOUSING REQUIREMENTS...

PURSUANT TO THE 2010 FLORIDA STATE STATUTES SECTION 553.503 AND 553.504 AND DECLARATORY STATEMENT CASE NO. DS 2013-011, THE APARTMENT BUILDINGS ARE EXEMPT FROM HAVING ACCESSIBLE UNITS...

ISSUE HISTORY

Table with columns for No., Date, and Description for issue history.

REVISION HISTORY

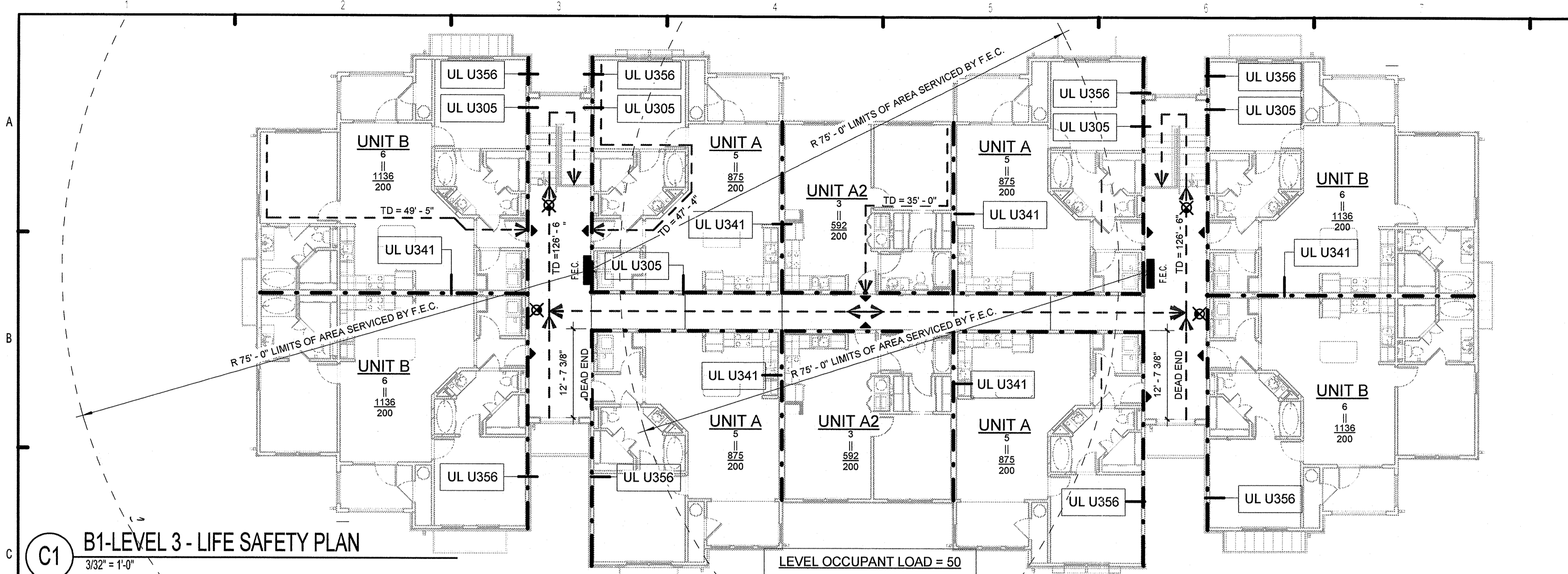
Table with columns for No., Date, and Description for revision history.

FUGLEBERG KOCH PLLC logo and contact information: 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595 www.fuglebergkoch.com

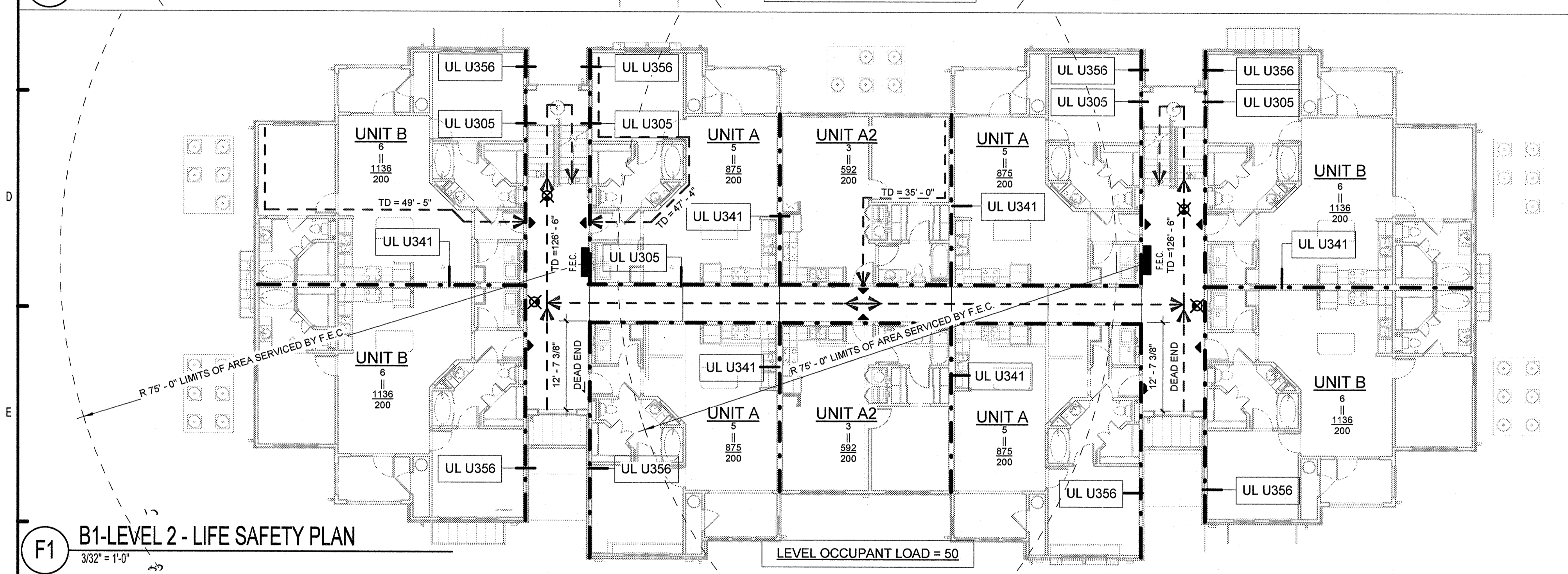
SUMMER BAY APARTMENTS

CODE ANALYSIS A0.02

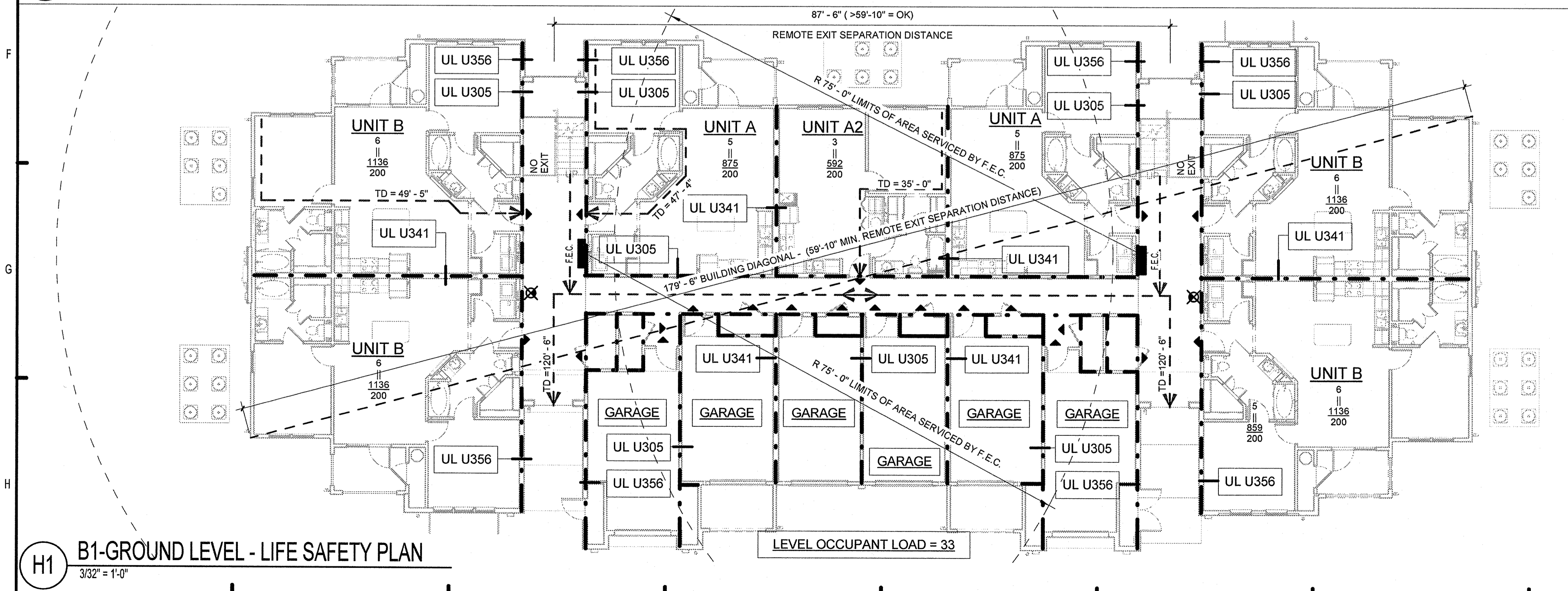
RECEIVED stamp with date 11/15/2013 and signature.



**C1** B1-LEVEL 3 - LIFE SAFETY PLAN  
3/32" = 1'-0"



**F1** B1-LEVEL 2 - LIFE SAFETY PLAN  
3/32" = 1'-0"



**H1** B1-GROUND LEVEL - LIFE SAFETY PLAN  
3/32" = 1'-0"

**LEGEND:**

- (XXX) OCCUPANT LOAD
- NOTE:  
1. ALL UNIT DOOR CAPACITIES= 34\*10.2= 170 PERSONS  
2. ALL STAIRWAY CAPACITIES= 48\*10.5= 160 PERSONS
- EMERGENCY LIGHT
  - TRAVEL DISTANCE TO EXIT (TD= XX'XX")
  - F.E.C.
  - 20 MIN DOOR
  - 45 MIN DOOR
  - 60 MIN DOOR
  - 90 MIN DOOR
  - OCCUPANCY SYMBOL
  - XX OCCUPANCY CAPACITY
  - XXX GROSS AREA (SQUARE FEET)
  - XXX SQUARE FEET PER PERSON
  - REQUIRED 1 HOUR FIRE SEPARATION

**ASSEMBLY SOUND RATINGS**

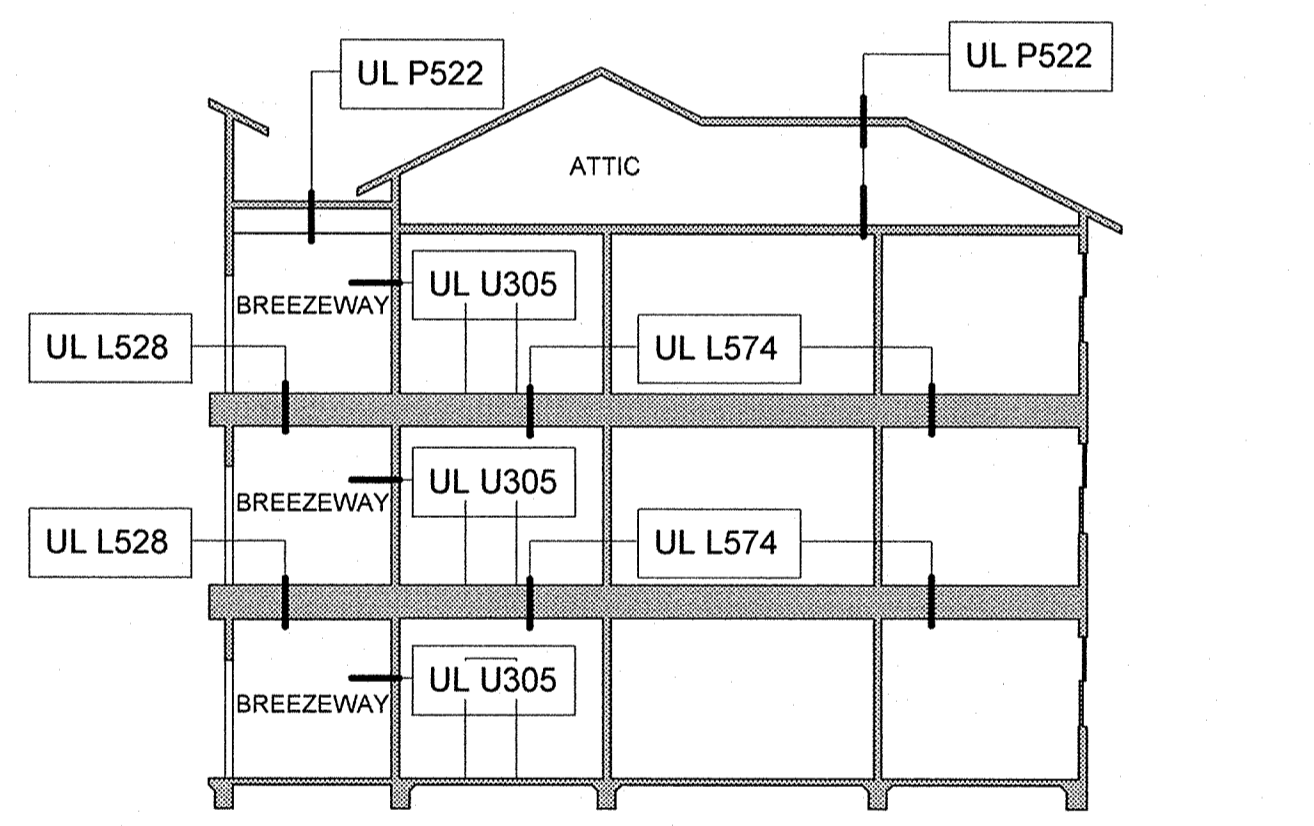
WALL ASSEMBLY (UL ASSEMBLY) SEE A0.08-A0.13	STC RATING	IIC RATING	TEST NUMBER/STANDARD
U341	58	N/A	TL-93-270/ NRC-CNRC
U356	52	N/A	BW-35ST 1989/GEIGER AND HAMME
U305	52	N/A	BW-35ST 1989/GEIGER AND HAMME
FLOOR ASSEMBLY (UL ASSEMBLY) SEE A0.08-A0.13	STC RATING	IIC RATING	TEST NUMBER/STANDARD
* L528 W/ RESILIENT CHANNEL	60	50	RAL-TL-97-340 & RAL-IN-97-47/USG LEVELROCK SOUND CONTROL
* L574 W/ RESILIENT CHANNEL	60	50	RAL-TL-97-340 & RAL-IN-97-47/USG LEVELROCK SOUND CONTROL

\* NOTE: THE FLOOR ASSEMBLIES ARE SIMILAR TO L521 IN COMPOSITION, THEREFORE THE 2 DECIBEL DIFFERENCE BETWEEN VINYL AND CUSHIONED VINYL FLOORING IN THE TEST WAS USED FOR DETERMINING THE STC AND IIC FOR THE L528 & L574.

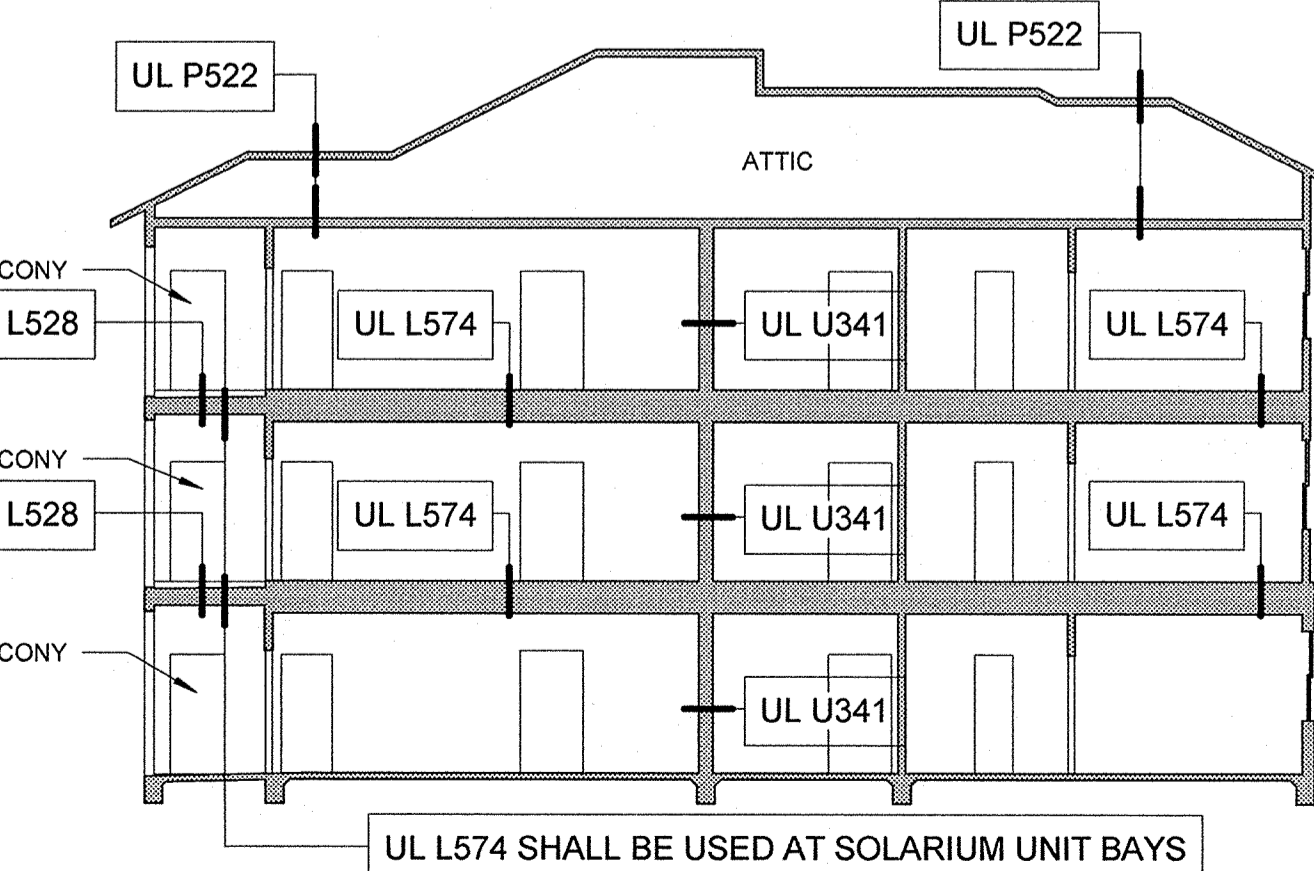
**PERMIT REVIEW**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
3		
4		
5		

REVISION HISTORY		
No.	Date	Description



**F8** UL OF FLOOR/CEILING/ROOF ASSEMBLY DIAGRAM  
3/32" = 1'-0"



**H8** UL OF FLOOR/CEILING/ROOF ASSEMBLY DIAGRAM  
3/32" = 1'-0"

REVISION HISTORY		
No.	Date	Description

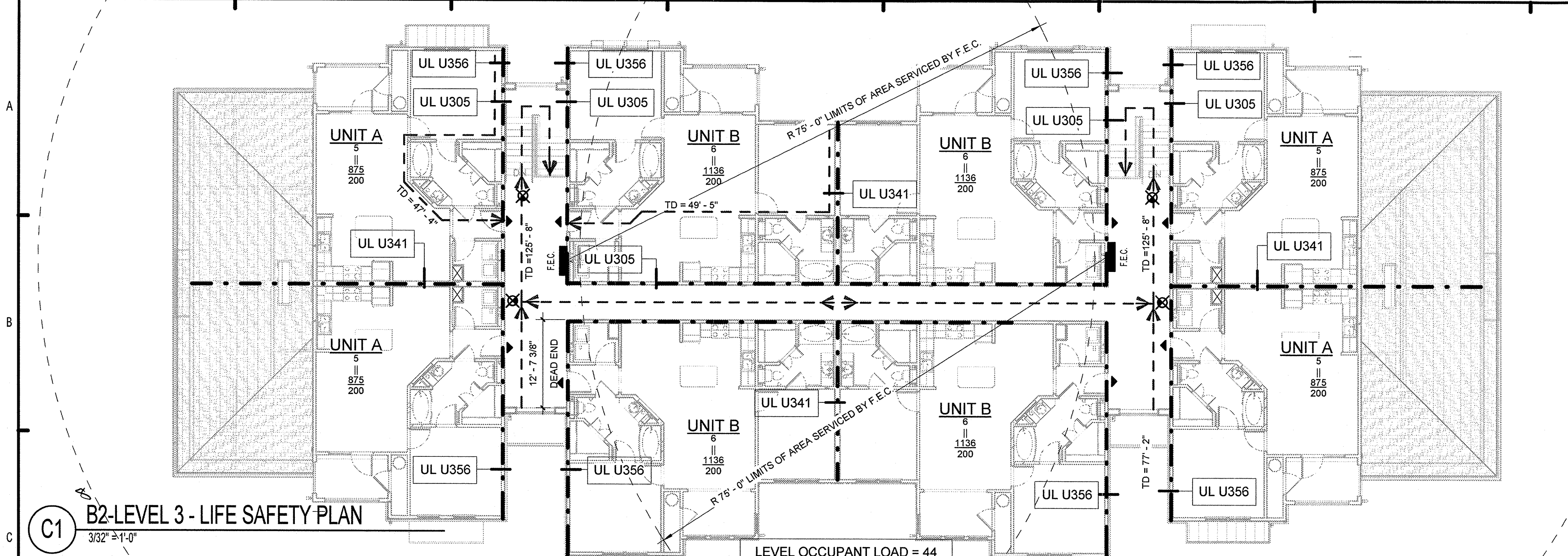
**FUGLEBERG KOCH**  
PLLC  
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com AA26002103

RECEIVED DEC 04 2013

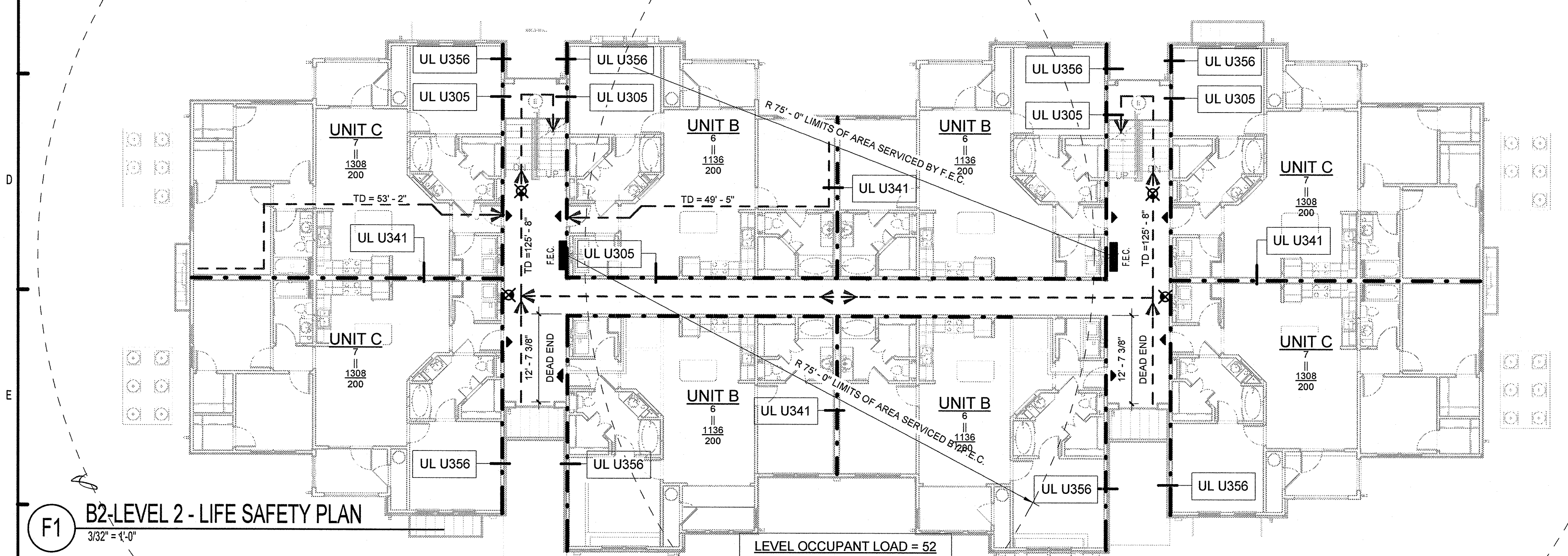
**SUMMER BAY APARTMENTS**  
Lake County, FL  
**BUILDING TYPE 1 LIFE SAFETY PLANS**

Drawn: KP
Checked: KL
Approved: KL
Date: 11/15/2013
Project #: 5169

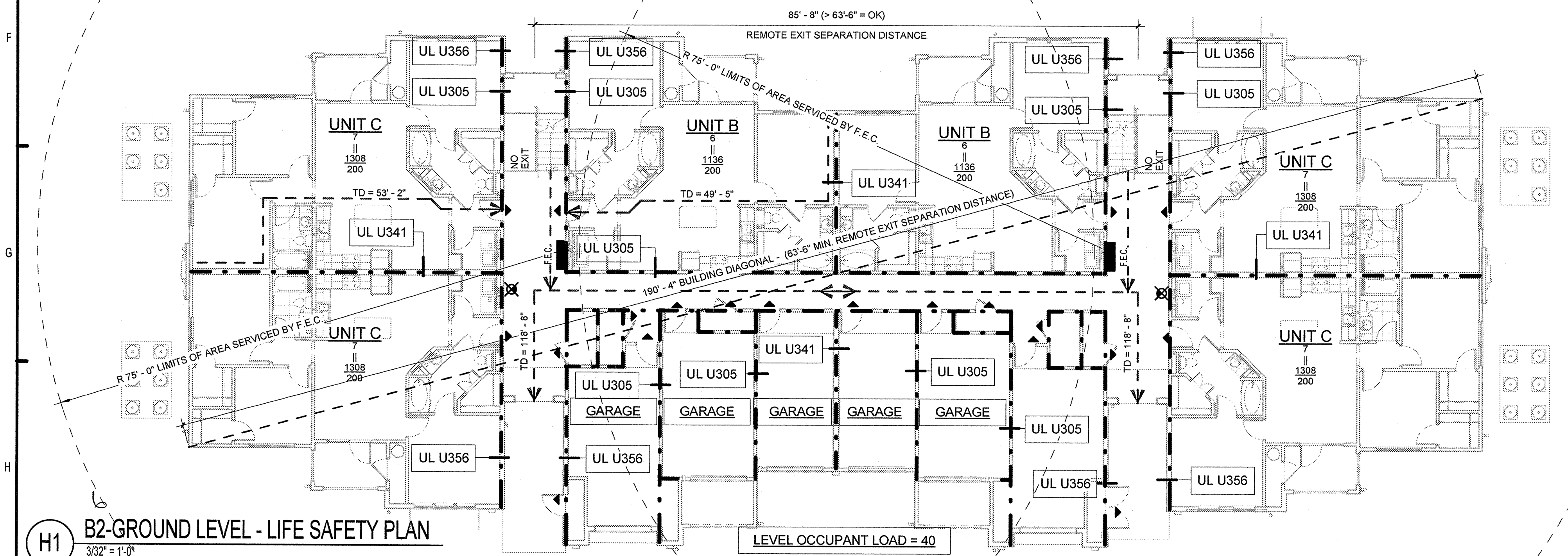
KEN LINEMAN  
FLORIDA LICENSER AR0017385



**C1** B2-LEVEL 3 - LIFE SAFETY PLAN  
3/32" = 1'-0"



**F1** B2-LEVEL 2 - LIFE SAFETY PLAN  
3/32" = 1'-0"



**H1** B2-GROUND LEVEL - LIFE SAFETY PLAN  
3/32" = 1'-0"

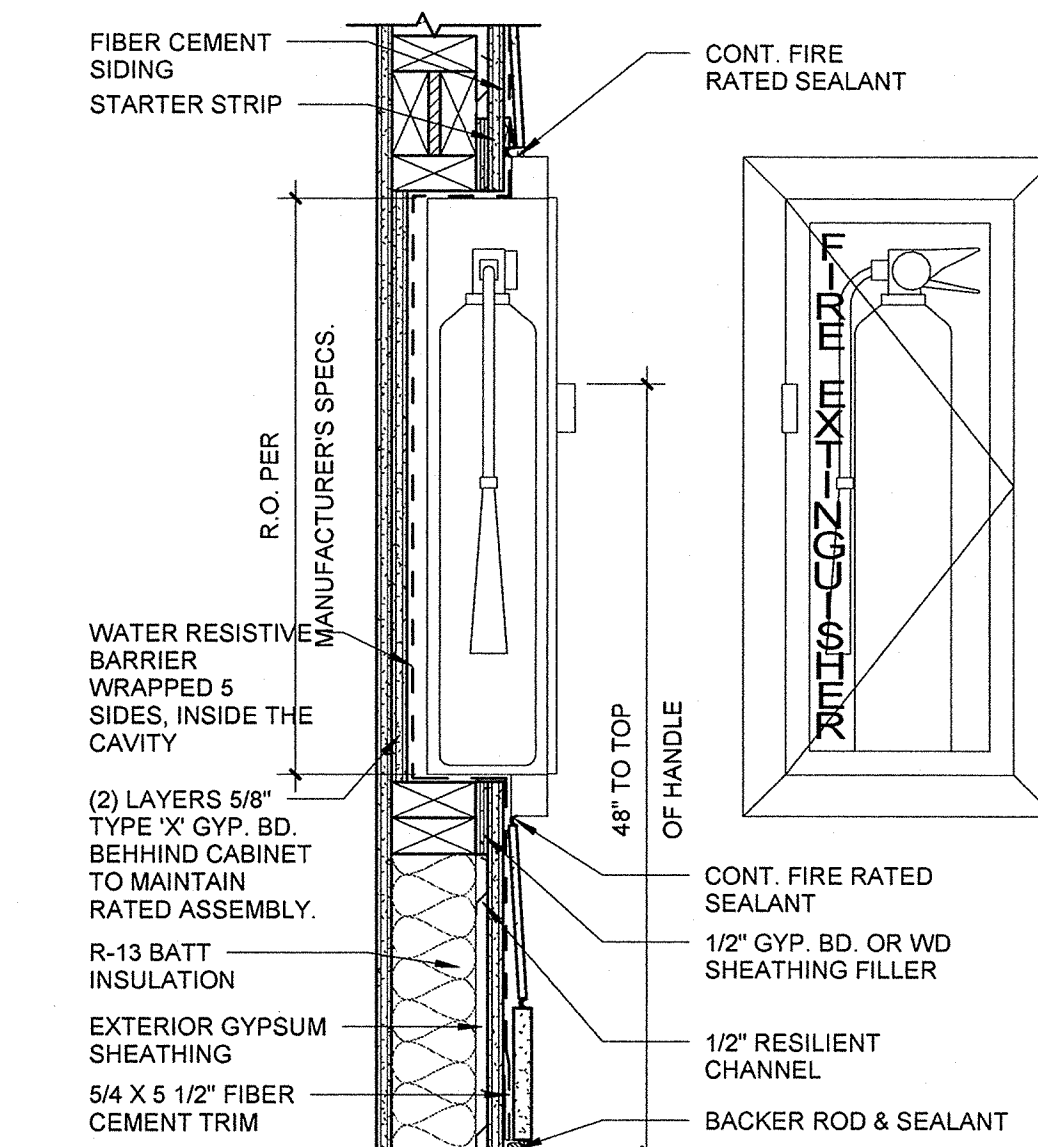
**LEGEND:**

- (XXX) OCCUPANT LOAD
- NOTE:  
1. ALL UNIT DOOR CAPACITIES= 34"/0.2= 170 PERSONS  
2. ALL STAIRWAY CAPACITIES= 48"/0.3= 160 PERSONS
- EMERGENCY LIGHT
  - TRAVEL DISTANCE TO EXIT (TD= XX'XX")
  - SEMI-RECESSED FIRE EXTINGUISHER  
VERIFY EXACT LOCATIONS AND TYPES WITH LOCAL FIRE OFFICIALS (4A-80B: C)
  - 20 MIN DOOR
  - 45 MIN DOOR
  - 60 MIN DOOR
  - 90 MIN DOOR
  - OCCUPANCY SYMBOL
  - XX — OCCUPANCY CAPACITY
  - XXX — GROSS AREA (SQUARE FEET)
  - XXXX — SQUARE FEET PER PERSON
  - REQUIRED 1 HOUR FIRE SEPARATION

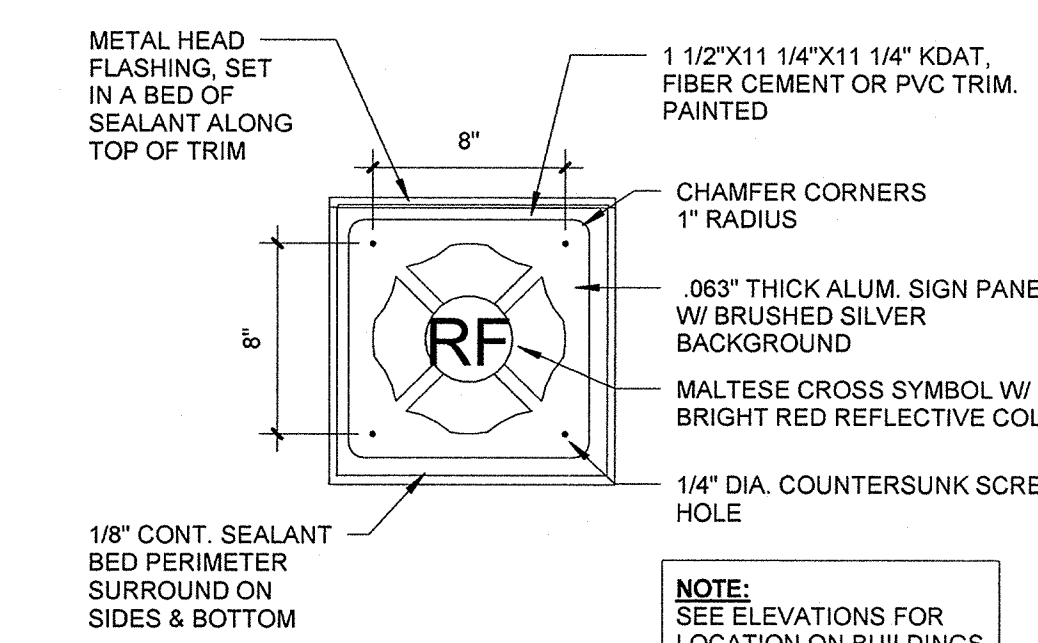
**ASSEMBLY SOUND RATINGS**

WALL ASSEMBLY (UL ASSEMBLY) SEE A0.08-A0.13	STC RATING	IIC RATING	TEST NUMBER/STANDARD
U341	58	N/A	TL-93-270/ NRC-CNRC
U356	52	N/A	BW-35ST 1969/GEIGER AND HAMME
U305	52	N/A	BW-35ST 1969/GEIGER AND HAMME
FLOOR ASSEMBLY (UL ASSEMBLY) SEE A0.08-A0.13	STC RATING	IIC RATING	TEST NUMBER/STANDARD
L528 W/ RESILIENT CHANNEL	60	50	RAL-TL-97-340 & RAL-IN-97-47/USG LEVELROCK SOUND CONTROL
L574 W/ RESILIENT CHANNEL	60	50	RAL-TL-97-340 & RAL-IN-97-47/USG LEVELROCK SOUND CONTROL

\* NOTE: THE FLOOR ASSEMBLIES ARE SIMILAR TO L521 IN COMPOSITION, THEREFORE THE 2 DECIBEL DIFFERENCE BETWEEN VINYL AND CUSHIONED VINYL FLOORING IN THE TEST WAS USED FOR DETERMINING THE STC AND IIC FOR THE L528 & L574.



**D8** SEMI-RECESSED FIRE EXTINGUISHER (5 SIDED BOX)  
1 1/2" = 1'-0"



**F8** FIRE SIGN DETAIL  
1 1/2" = 1'-0"

PERMIT REVIEW

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
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ISSUE HISTORY

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
3		
4		
5		

REVISION HISTORY

No.	Date	Description

**FUGLEBERG KOCH**  
PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

RECEIVED DEC 04 2013

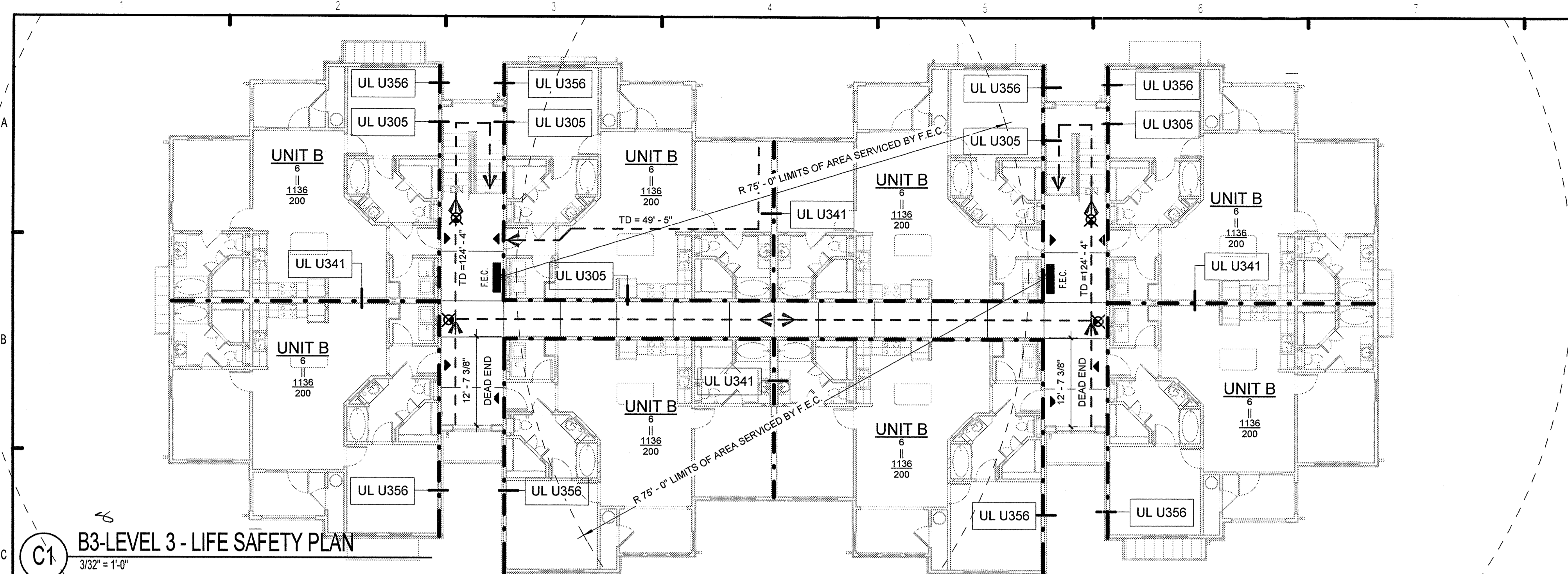
**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn: KP  
Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5169

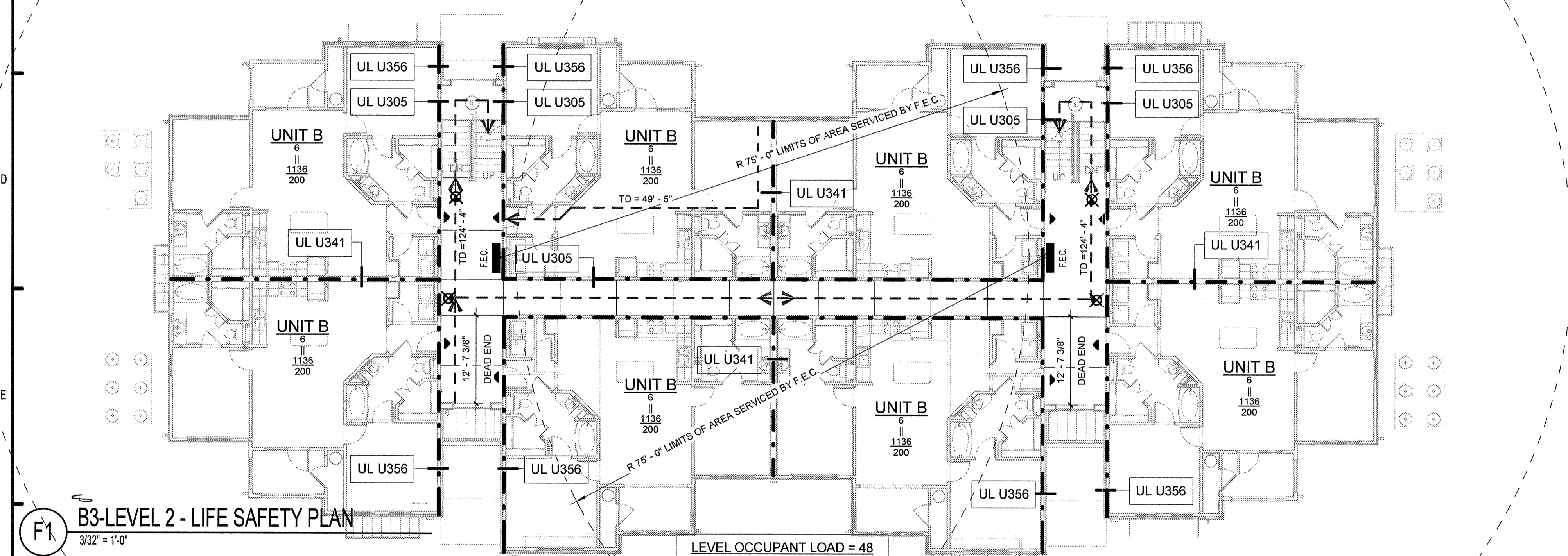
**BUILDING TYPE 2 LIFE SAFETY PLANS**

A0.11

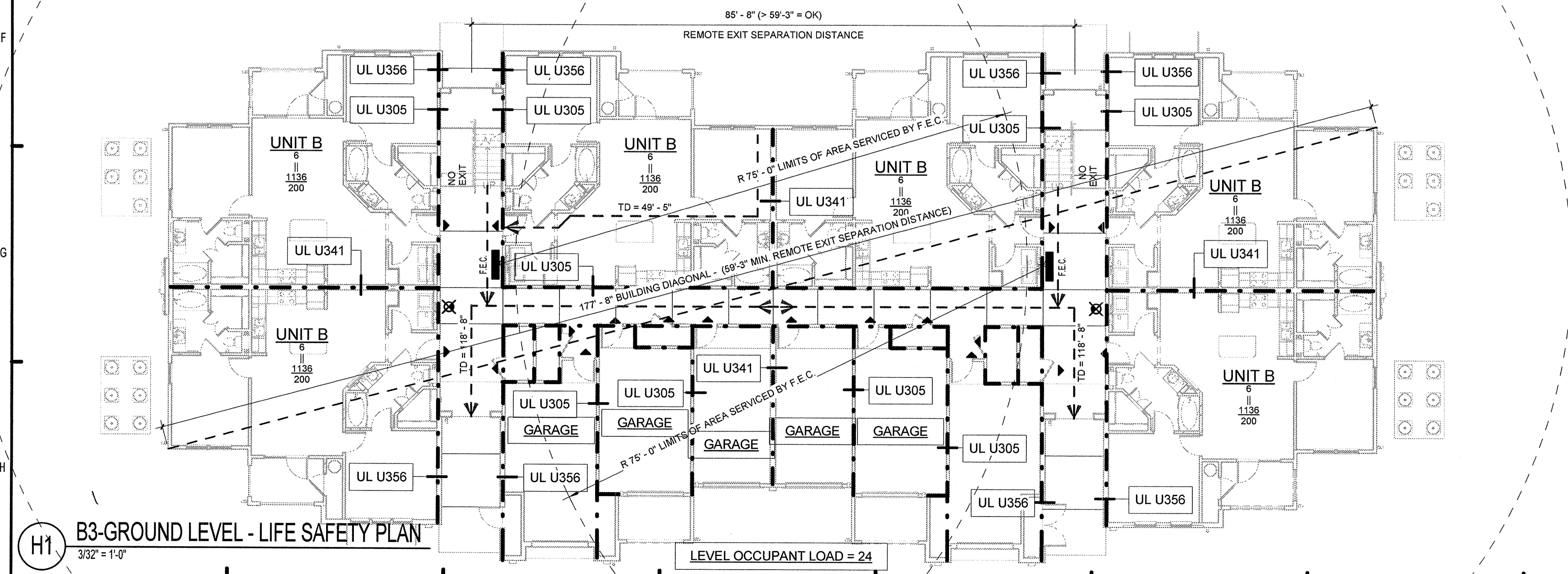
KEN LINDEMAN  
FLORIDA LICENSE # AR0017395



**B3-LEVEL 3 - LIFE SAFETY PLAN**  
3/32" = 1'-0"



**B3-LEVEL 2 - LIFE SAFETY PLAN**  
3/32" = 1'-0"



**B3-GROUND LEVEL - LIFE SAFETY PLAN**  
3/32" = 1'-0"

**LEGEND:**

- (XXX) OCCUPANT LOAD
- NOTE:  
1. ALL UNIT DOOR CAPACITIES= 34"/0.2= 170 PERSONS  
2. ALL STAIRWAY CAPACITIES= 48"/0.3= 160 PERSONS
- EMERGENCY LIGHT
  - TRAVEL DISTANCE TO EXIT (TD= XXX')
  - SEMI-RECESSED FIRE EXTINGUISHER  
VERIFY EXACT LOCATIONS AND TYPES WITH LOCAL FIRE OFFICIALS (4A-80B: C)
  - 20 MIN DOOR
  - 45 MIN DOOR
  - 60 MIN DOOR
  - 90 MIN DOOR
  - OCCUPANCY SYMBOL
  - XX OCCUPANCY CAPACITY
  - XXX GROSS AREA (SQUARE FEET)
  - XXX SQUARE FEET PER PERSON
  - REQUIRED 1 HOUR FIRE SEPARATION

**ASSEMBLY SOUND RATINGS**

WALL ASSEMBLY (UL ASSEMBLY) SEE A0.08-A0.13	STC RATING	IIC RATING	TEST NUMBER/STANDARD
U341	58	N/A	TL-93-270/ NRC-CNRC
U356	52	N/A	BW-35ST 1969/GEIGER AND HAMME
U305	52	N/A	BW-35ST 1969/GEIGER AND HAMME
FLOOR ASSEMBLY (UL ASSEMBLY) SEE A0.08-A0.13	STC RATING	IIC RATING	TEST NUMBER/STANDARD
* L528 W/ RESILIENT CHANNEL	60	50	RAL-TL-97-340 & RAL-IN-97-47/USG LEVELROCK SOUND CONTROL
* L574 W/ RESILIENT CHANNEL	60	50	RAL-TL-97-340 & RAL-IN-97-47/USG LEVELROCK SOUND CONTROL

\* NOTE: THE FLOOR ASSEMBLIES ARE SIMILAR TO L521 IN COMPOSITION, THEREFORE THE 2 DECIBEL DIFFERENCE BETWEEN VINYL AND CUSHIONED VINYL FLOORING IN THE TEST WAS USED FOR DETERMINING THE STC AND IIC FOR THE L528 & L574.

**PERMIT REVIEW**

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
3		
4		
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**REVISION HISTORY**

No.	Date	Description



2555 Temple Trail, Winter Park, FL 32789 (407) 629-0395  
www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.  
RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
Lake County, FL

**BUILDING TYPE 3 LIFE SAFETY PLANS**

Drawn	KP
Checked	KL
Approved	KL
Date:	11/15/2013
Project #	5169

**A0.12**

KEN LIMEHAN  
FLORIDA LICENSER A80017385

Design No. U305

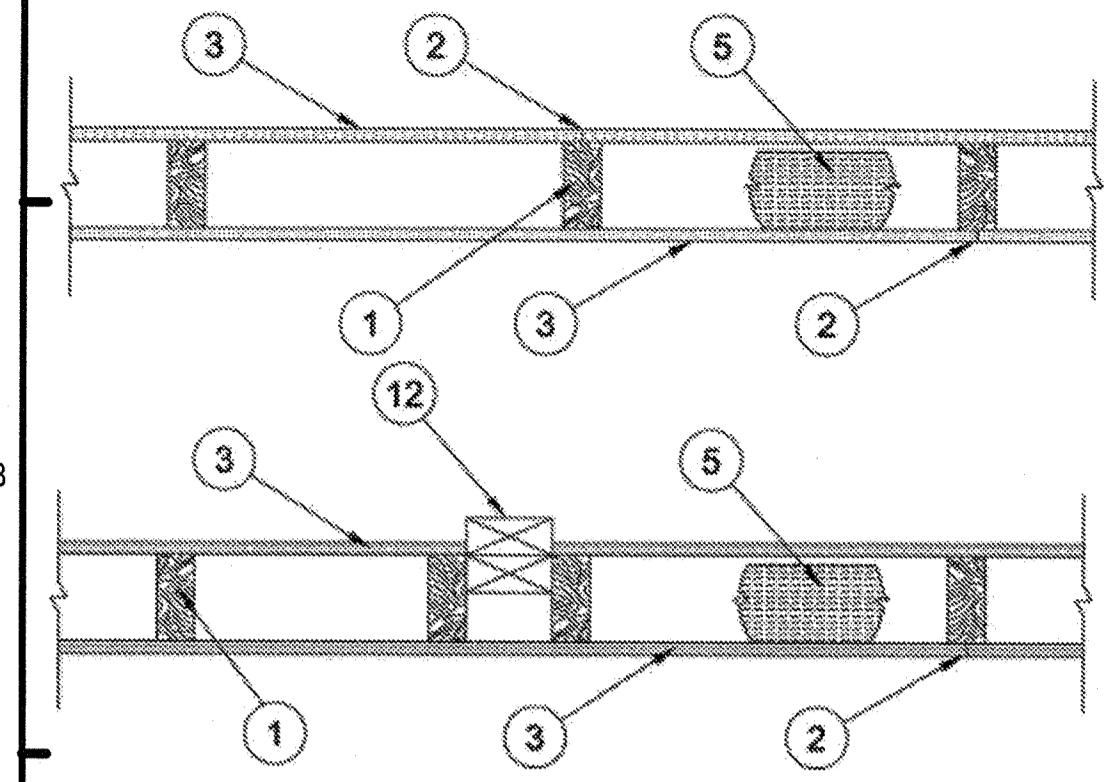
December 31, 2012

Bearing Wall Rating — 1 HR.

Finish Rating — See Items 3, 3A, 3D, 3E, 3F, 3G, 3H, 3J and 3L.

STC Rating - 56 (See Item 9)

Load Restricted for Canadian Applications — See Guide BXUV7



- 1. Wood Studs — Nom 2 by 4 in. spaced 16 in. OC max. effectively firestopped.
2. Joints and Nail-Heads — Joints covered with joint compound and paper tape.
3. Gypsum Board — 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges...

- 3E. Gypsum Board — (As an alternate to Items 3, 3A, 3B, 3C, or 3D - not shown) For Direct Application to Studs Only...
3F. Gypsum Board — (As an alternate to Items 3, 3A, 3B, 3C, 3D, and 3E) — 5/8 in. thick gypsum panels, with square edges...
3G. Gypsum Board — (As an alternate to Items 3, 3A, 3B, 3C, 3D, 3E and 3F) — 5/8 in. glass-faced with square edges...

- 6. Steel Framing Members (Optional, Not Shown) — Furring channels and Steel Framing Members as described below.
a. Furring Channels — Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs...
b. Steel Framing Members — Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC...

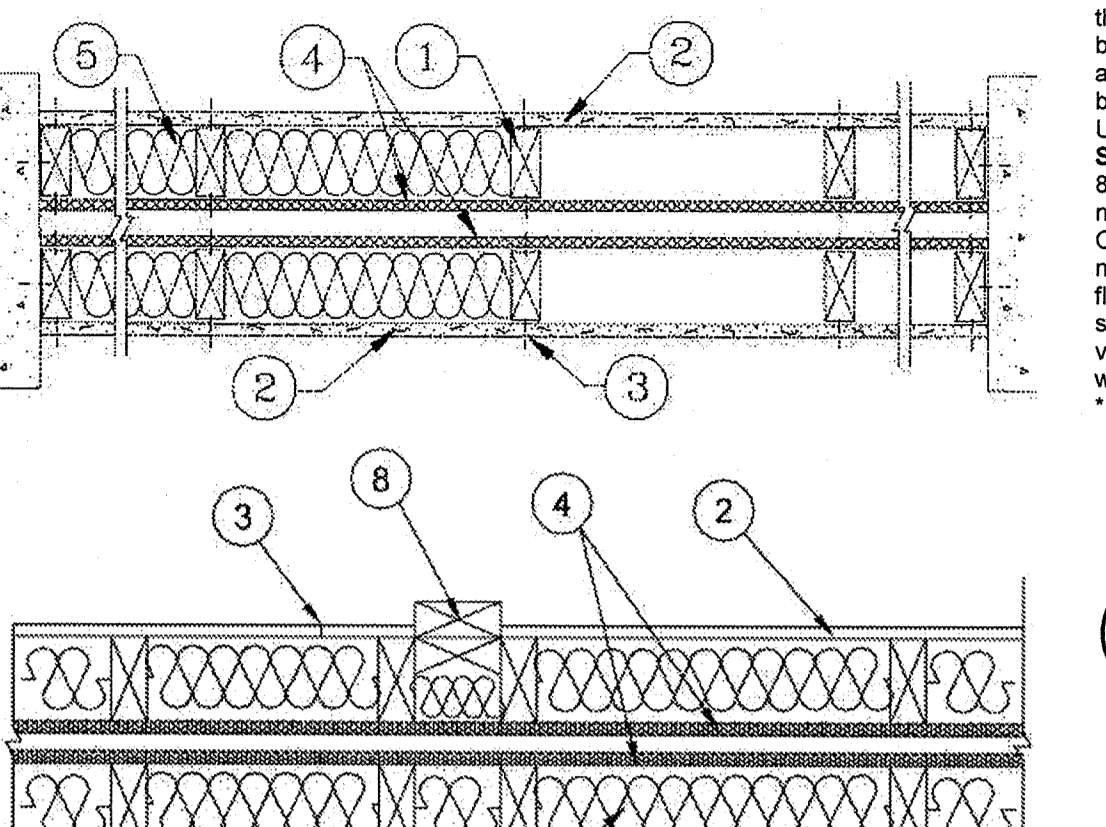
Design No. U341

December 14, 2012

Bearing Wall Rating — 1 Hr.

Finish Rating — Min 20 min.

Load Restricted for Canadian Applications — See Guide BXUV7



- 1. Wood Studs — Nom 2 by 4 in. spaced 24 in. OC max. Cross braced at mid-height and effectively firestopped at top and bottom of wall.
2. Gypsum Board — 5/8 in. thick 4 ft wide. Gypsum board or lath applied horizontally or vertically, unless specified otherwise...
3. Joints and Nailheads — Gypsum board joints of outer layer covered with tape and joint compound...

- B. Steel Framing Members — Used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center groove...
7. Wall and Partition Facings and Accessories\* — (Optional, Not shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly...
8. Non-Bearing Wall Partition Intersection — (Optional) Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3 in. long 10d nails spaced a max. 16 in. OC...

PERMIT REVIEW, ISSUE HISTORY, REVISION HISTORY, FUGLEBERG KOCH PLLC, LAKE COUNTY BUILDING DIVISION, SUMMER BAY APARTMENTS, UL REFERENCE DIRECTORY A0.15

Vertical text on the right edge of the page, likely a scanning artifact or reference code.



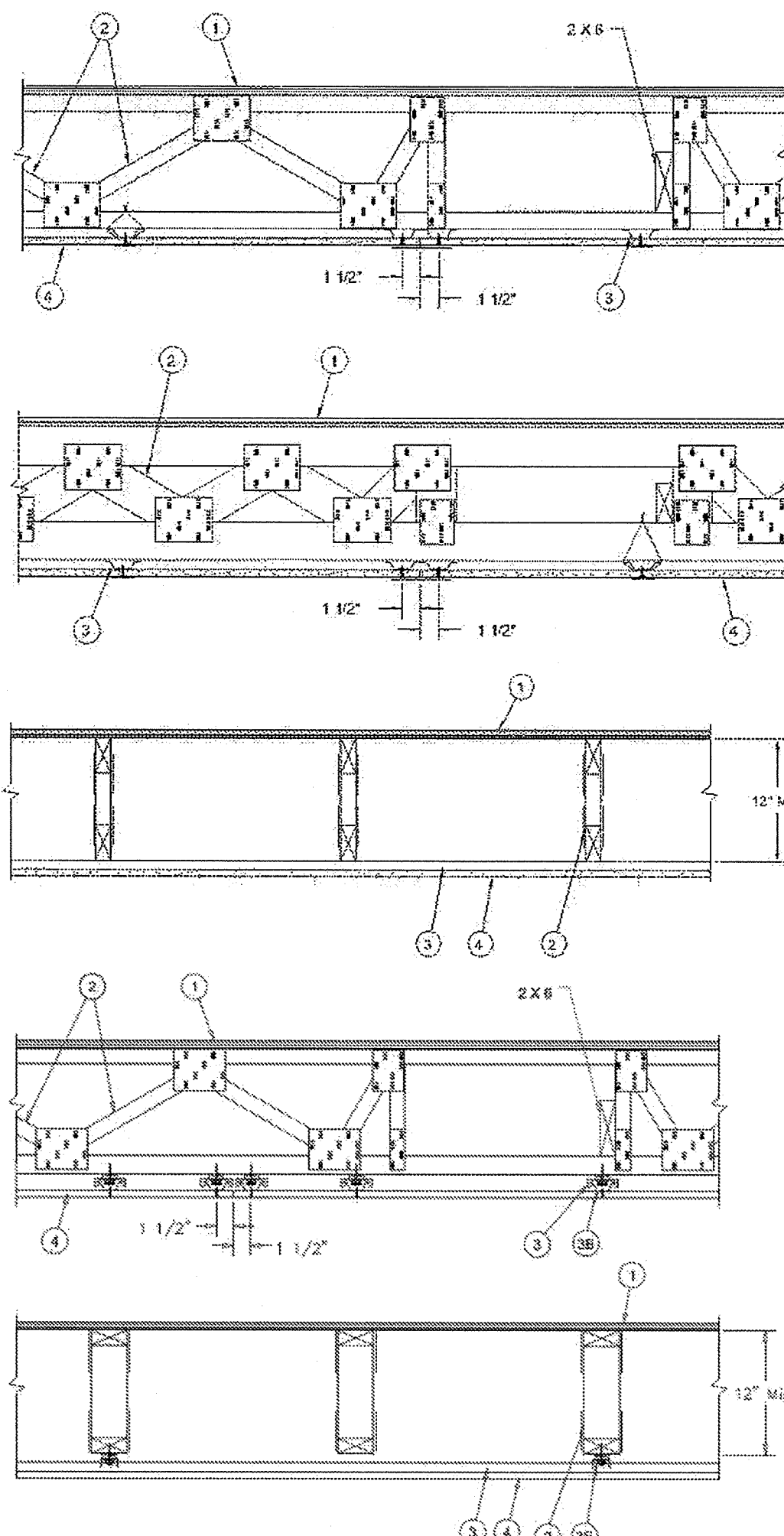
Design No. L528

December 28, 2012

Unrestrained Assembly Rating - 1 Hr.

Finish Rating - 22 Min.

Load Restricted for Canadian Applications - See Guide BXU/7



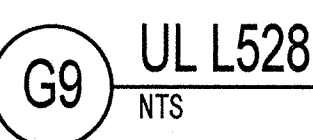
1. Flooring System - The flooring system shall consist of one of the following:

- System No. 1: Subflooring - Min 23/32 in. thick T & G wood structural panels, min grade "Underlayment" or "Single-Floor". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of lightweight insulating concrete with Perlite Aggregate.
System No. 2: Subflooring - Min 23/32 in. thick T & G wood structural panels, min grade "Underlayment" or "Single-Floor". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of lightweight insulating concrete with Perlite Aggregate.
System No. 3: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1200 psi.
System No. 4: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1200 psi.

- Alternate Floor Mat Material - (Optional) - Floor mat material nominal 3/8 in. thick loose laid over the subfloor. Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1200 psi.
System No. 4: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1200 psi.
System No. 5: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.
System No. 6: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.
System No. 7: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.
System No. 8: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.
System No. 9: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.
System No. 10: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.

- System No. 11: Subflooring - Min 1 by 6 in. T & G lumber fastened diagonally to trusses, or min 16/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels.
System No. 12: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.
System No. 13: Subflooring - Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.
System No. 14: Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.
System No. 15: Subflooring - Min 23/32 in. thick T&G wood structural panels, min grade "Underlayment" or "Single-Floor". Vapor Barrier - (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Finish Flooring - Floor Topping Mixture - Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi.

- 3D. Steel Framing Members - (Optional, Not Shown) - Used as an alternate method to attach min. 1/2 in. deep resilient channels (Item 3A) to trusses (Item 2). Resilient channels are friction fitted into clips, and then clips are secured to the bottom chord of each truss with 1-1/4 in. long No. 1 Type S bugle head steel screws through the center hole of the clip and the resilient channel flange.
3E. Steel Framing Members - (Optional, Not Shown) - Used as an alternate method to attach furring channels to trusses. Clips spaced 48 in. OC, and secured to the bottom chord to alternating trusses with one No. 8 x 2-1/2 in. coarse drywall screw through the center hole of the clip and the resilient channel flange.
3F. Resilient Channels - Resilient channels, formed from No. 25 MSG galv steel and shaped as shown, spaced 12 in. OC perpendicular to joist. Channels overlapped 4 in. at splices and secured to each joist with 1-1/4 in. Type S screws. Min end clearance of channels to wall to be 1/2 in. Additional resilient channels positioned so as to coincide with end joints of gypsum board (Item 4B).



Last Updated on 2012-12-28

PERMIT REVIEW

Table with columns: No., Date, Description. Contains one entry: 1, 11/15/2013, ISSUE FOR PERMIT.

ISSUE HISTORY

Table with columns: No., Date, Description. Contains one entry: 1, 11/15/2013, ISSUE FOR PERMIT.

REVISION HISTORY

Table with columns: No., Date, Description. Empty table.

FUGLEBERG KOCH PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595 www.fuglebergkoch.com AA26002103

LAKE COUNTY BUILDING DIVISION Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site. RECEIVED DEC 04 2013

SUMMER BAY APARTMENTS Lake County, FL

UL REFERENCE DIRECTORY A0.17

KEN LINEMAN FLORIDA LICENSE # AR011395

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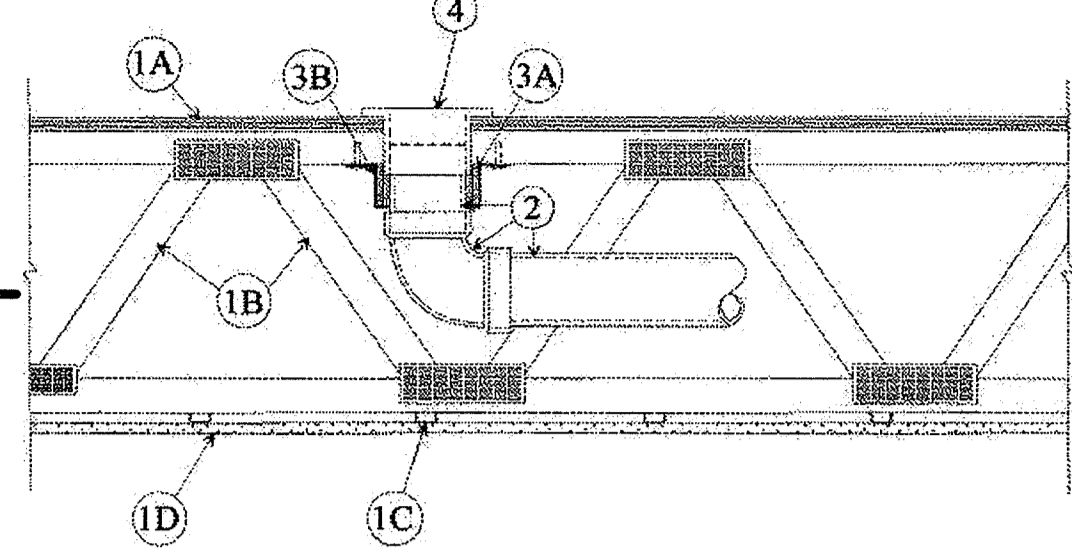


Design No. F-C-2037

November 26, 1997

F Rating — 1 Hr

T Rating — 1 Hr



1. Floor-Ceiling Assembly — The fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory...

2. Drain Piping — Nom 4 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) or acrylonitrile butadiene styrene (ABS) drain piping and fittings...

3. Firestop System — The firestop system shall consist of the following: A. Fill, Void or Cavity Material... B. Steel Collar... C. Acrylonitrile Butadiene Styrene (ABS) Pipe...

4. Closet Flange — PVC or ABS closet stub sized to accommodate drain pipe. Closet flange installed in hole-sawed opening in flooring system with flange secured to top of flooring with steel screws.

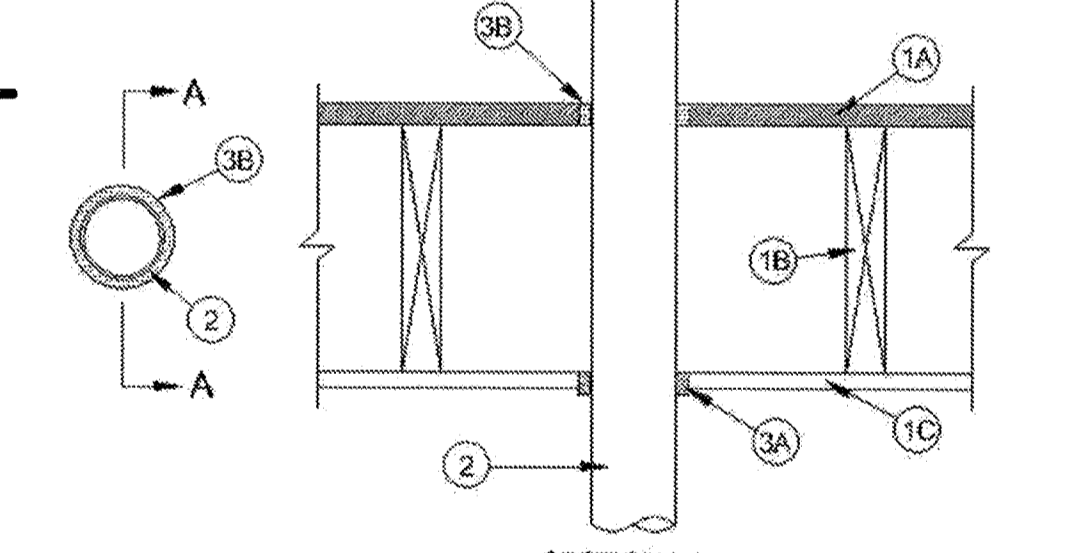
\*Bearing the UL Classification Mark E1 UL F-C-2037 NTS

Design No. F-C-2368

December 27, 2007

F Rating — 1 Hr

T Rating — 1 Hr



1. Floor-Ceiling Assembly — The 1 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series in the UL Fire Resistance Directory...

2. Through Penetrants — One nonmetallic pipe to be centered within the firestop system. The annular space between pipe and periphery of opening shall be nom 1/4 in. in diameter...

3. Firestop System — The firestop system shall consist of the following: A. Fill, Void or Cavity Material... B. Steel Collar... C. Polyvinyl Chloride (PVC) Pipe...

4. Firestop System — The firestop system shall consist of the following: A. Fill, Void or Cavity Material... B. Steel Collar... C. Polyvinyl Chloride (PVC) Pipe...

\*Bearing the UL Classification Mark H1 UL F-C-2368 NTS

Design No. F-C-2355

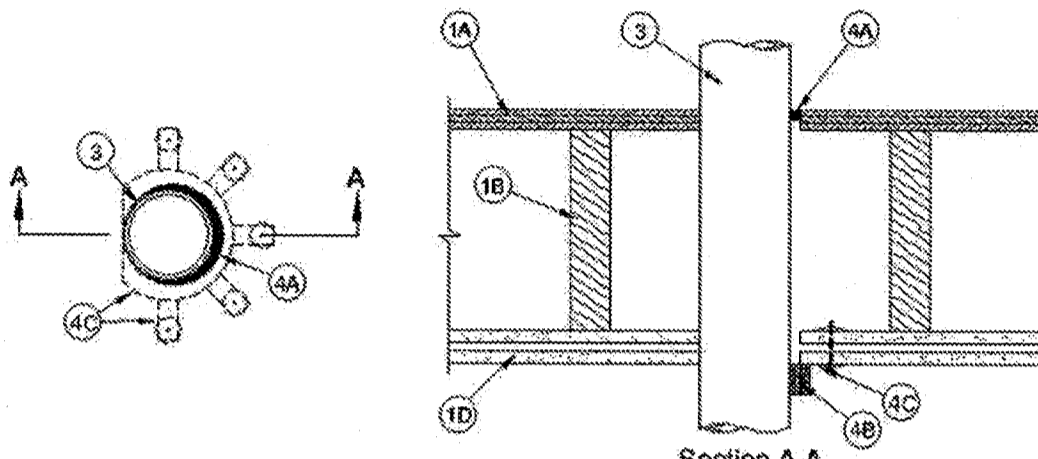
December 08, 2008

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 1 and 2 Hr (See Item 1)

L Rating At Ambient — Less Than 1 CFM/sq ft

L Rating At 400 F — Less Than 1 CFM/sq ft



1. Floor-Ceiling Assembly — The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory...

2. Gypsum Board — Nom 4 ft (1.2 m) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. First layer of gypsum board nailed to wood joists...

3. Through Penetrants — One nonmetallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe or conduit and the periphery of the opening shall be min 0 in. (0 mm) point contact to a max 1/2 in. (13 mm)...

4. Firestop System — The firestop system shall consist of the following: A. Fill, Void or Cavity Material... B. Steel Collar... C. Polyvinyl Chloride (PVC) Pipe...

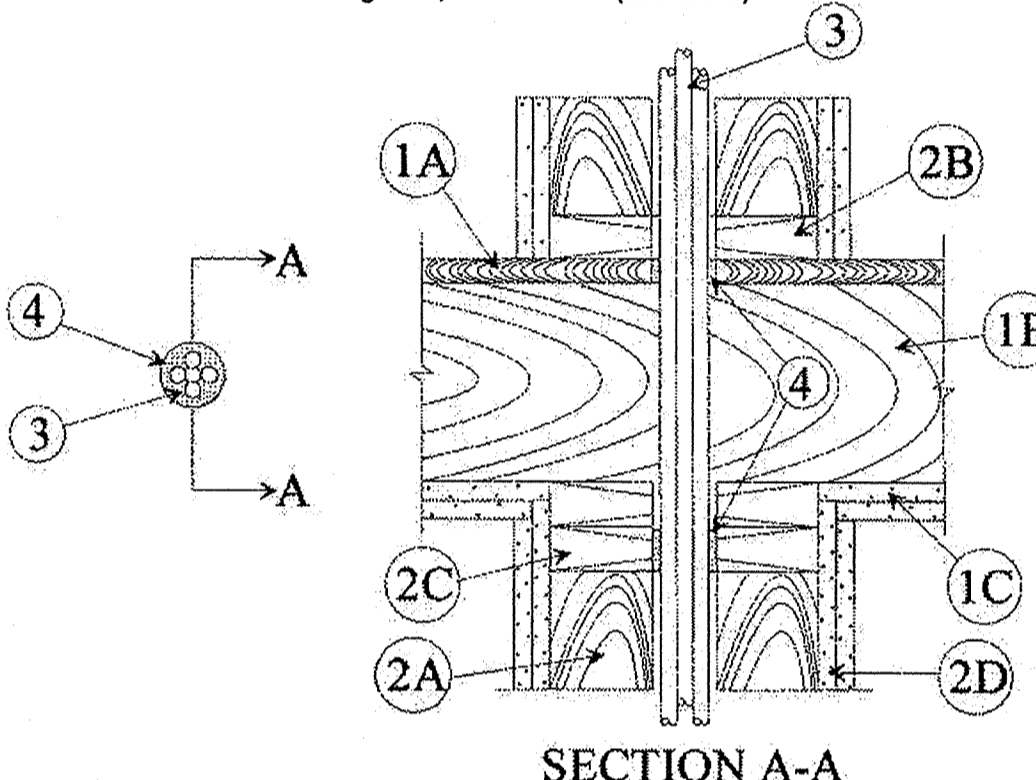
\*Bearing the UL Classification Mark H3 UL F-C-2355 NTS

Design No. F-C-3012

December 23, 2008

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 0, 1 and 1-3/4 Hr (See Item 3)



1. Floor-Ceiling Assembly — The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory...

2. Chase Wall — (Optional, Not Shown) — The through penetrant (Item 3) may be routed through a 1 or 2 hr fire-rated single, double or staggered wood stud/gypsum board chase wall constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory...

3. Cables — In 1 hr fire-rated assemblies, aggregate cross-sectional area of cables in opening to be max 45 percent of the cross-sectional area of the opening...

4. Firestop System — The firestop system shall consist of the following: A. Fill, Void or Cavity Material... B. Steel Collar... C. Polyvinyl Chloride (PVC) Pipe...

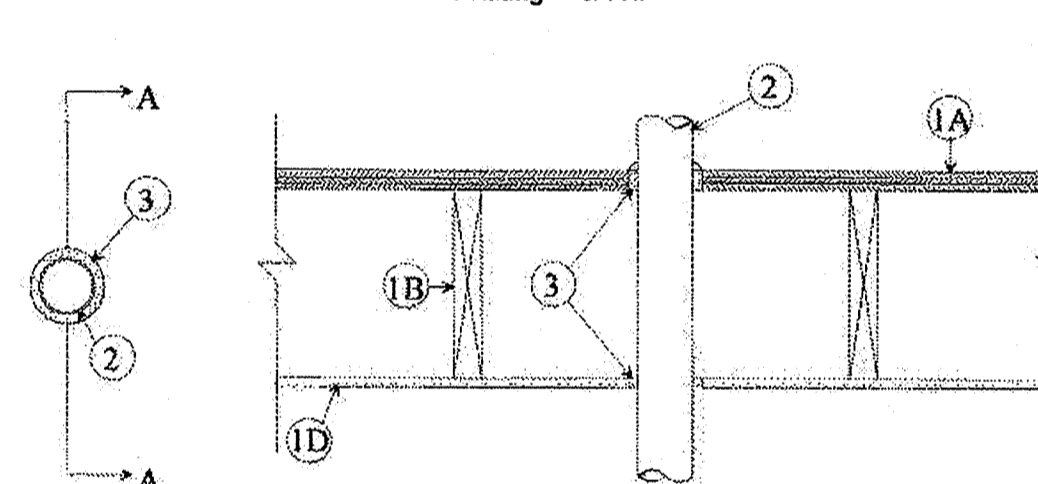
\*Bearing the UL Classification Mark H5 UL F-C-3012 NTS

Design No. F-C-7002

December 08, 2008

F Rating — 1 Hr

T Rating — 3/4 Hr



1. Floor-Ceiling Assembly — The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory...

2. Chase Wall — (Optional) — The through penetrant (Item 3) shall be routed through a fire-rated single, double or staggered wood stud/gypsum board chase wall having a fire rating consistent with that of the floor-ceiling assembly...

3. Cables — In 1 hr fire-rated assemblies, aggregate cross-sectional area of cables in opening to be max 45 percent of the cross-sectional area of the opening...

4. Firestop System — The firestop system shall consist of the following: A. Fill, Void or Cavity Material... B. Steel Collar... C. Polyvinyl Chloride (PVC) Pipe...

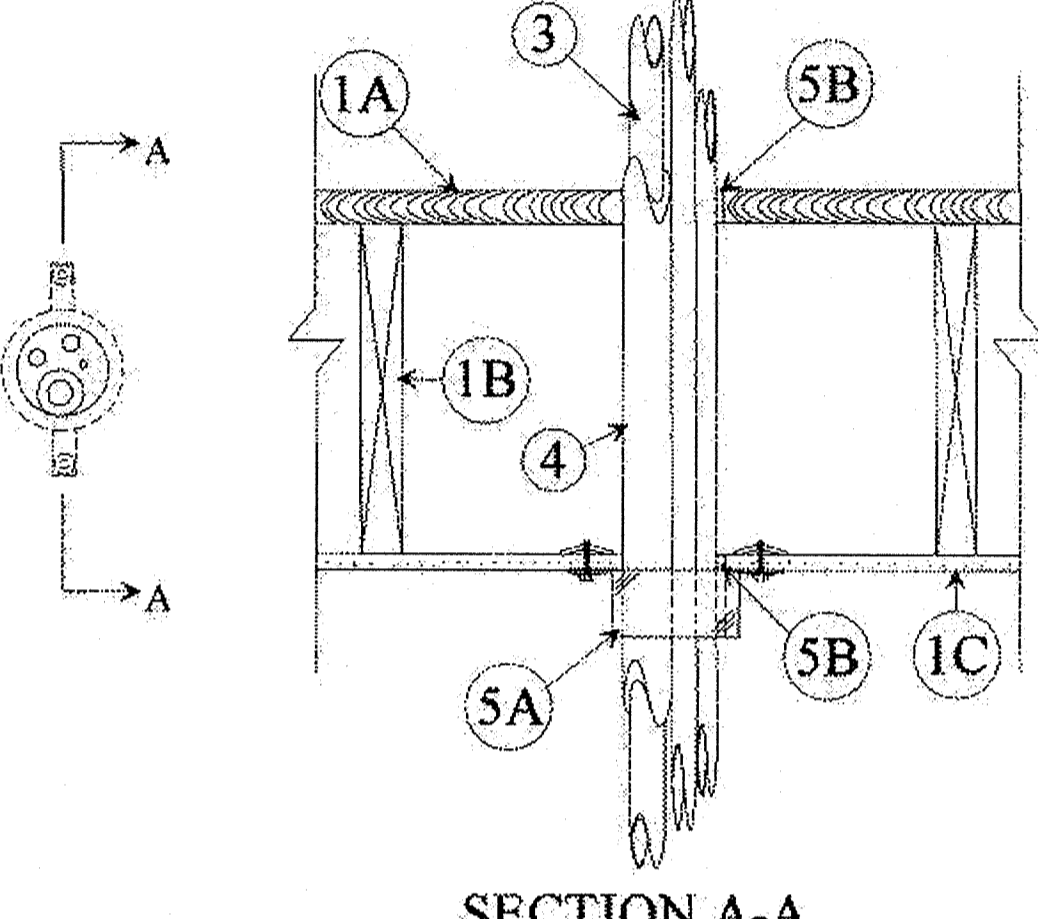
\*Bearing the UL Classification Mark H7 UL F-C-7002 NTS

Design No. F-C-8009

May 23, 2008

F Rating — 1 Hr

T Rating — 1 Hr



1. Floor-Ceiling Assembly — The 1 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory...

2. Chase Wall — (Optional, Not Shown) — The through penetrant (Item 3) may be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum board chase wall constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory...

3. Through Penetrants — Pipe, cable and tubing to be bundled and rigidly supported on both sides of floor assembly. A nominal annular space of min 0 in. (point contact) to max 1/2 in. (13 mm) is required within the firestop system...

4. Firestop System — The firestop system shall consist of the following: A. Fill, Void or Cavity Material... B. Steel Collar... C. Polyvinyl Chloride (PVC) Pipe...

\*Bearing the UL Classification Mark H9 UL F-C-8009 NTS

Table with columns: No., Date, Description. Row 1: 1, 11/15/2013, ISSUE FOR PERMIT

Table with columns: No., Date, Description. Empty rows for revision history.

FUGLEBERG KOCH PLLC 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595 www.fuglebergkoch.com AA26002103

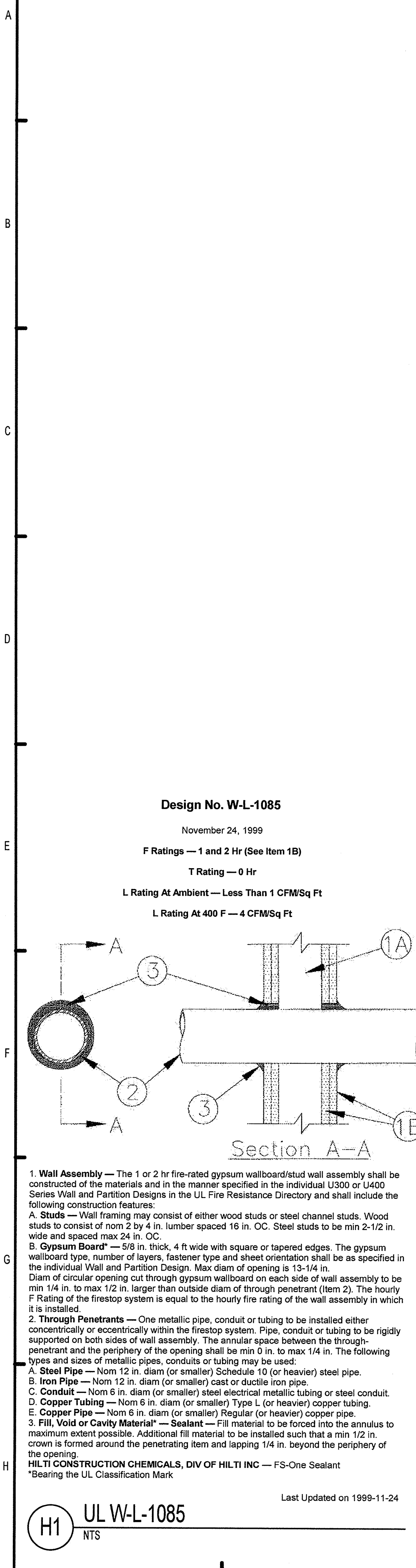
LAKE COUNTY BUILDING DIVISION Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

SUMMER BAY APARTMENTS Lake County, FL

UL REFERENCE DIRECTORY A0.19

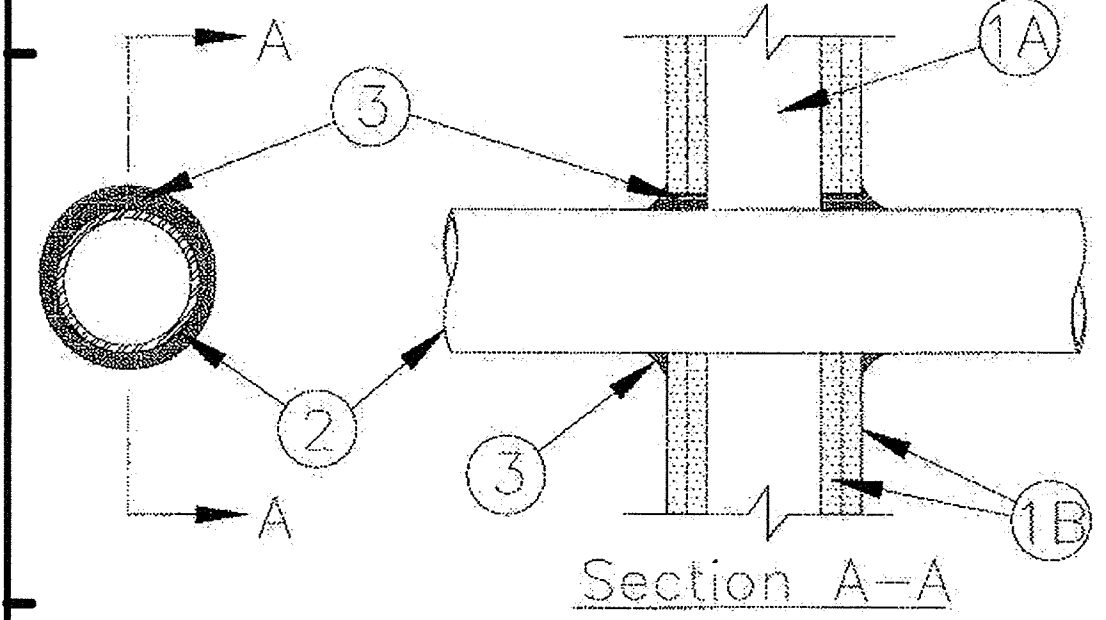
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 64-3 903\*3N, CP 64-3 632\*3N, CP 64-3 601\*12\*3N

Signature and date: 2013-11-15



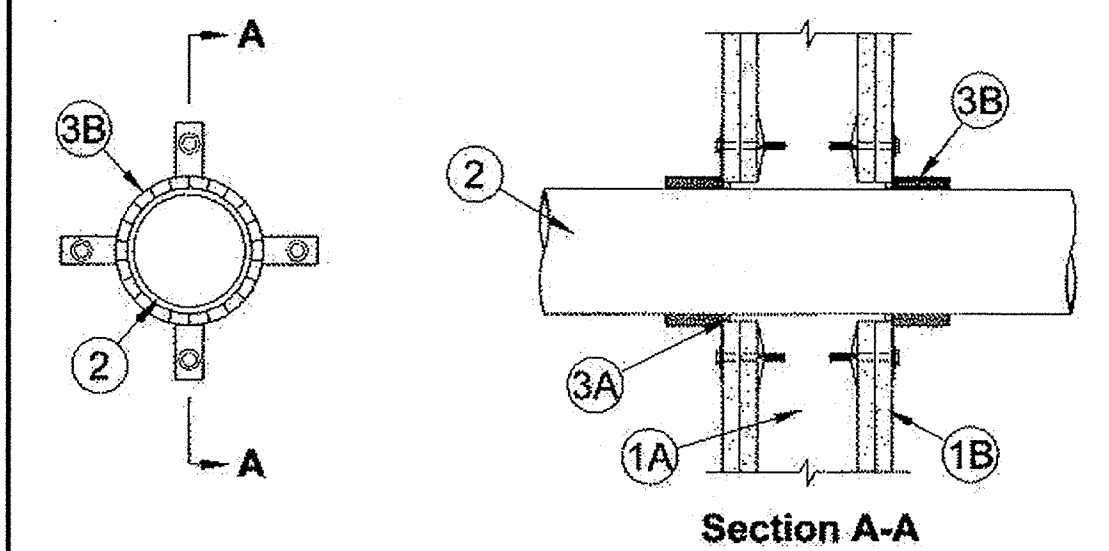
**Design No. W-L-1085**

November 24, 1999  
 F Ratings — 1 and 2 Hr (See Item 1B)  
 T Rating — 0 Hr  
 L Rating At Ambient — Less Than 1 CFMSq Ft  
 L Rating At 400 F — 4 CFMSq Ft



**Design No. W-L-2029**

November 26, 2012  
 F Ratings — 1 and 2 Hr (See Items 1 and 3B)  
 T Ratings — 1, 1-1/2 and 2 Hr (See Item 3B)  
 L Rating At Ambient — 1 CFMSq Ft (See Item 3A)  
 L Rating At 400 F — Less Than 1 CFMSq Ft (See Item 3A)



**Design No. W-L-2029**

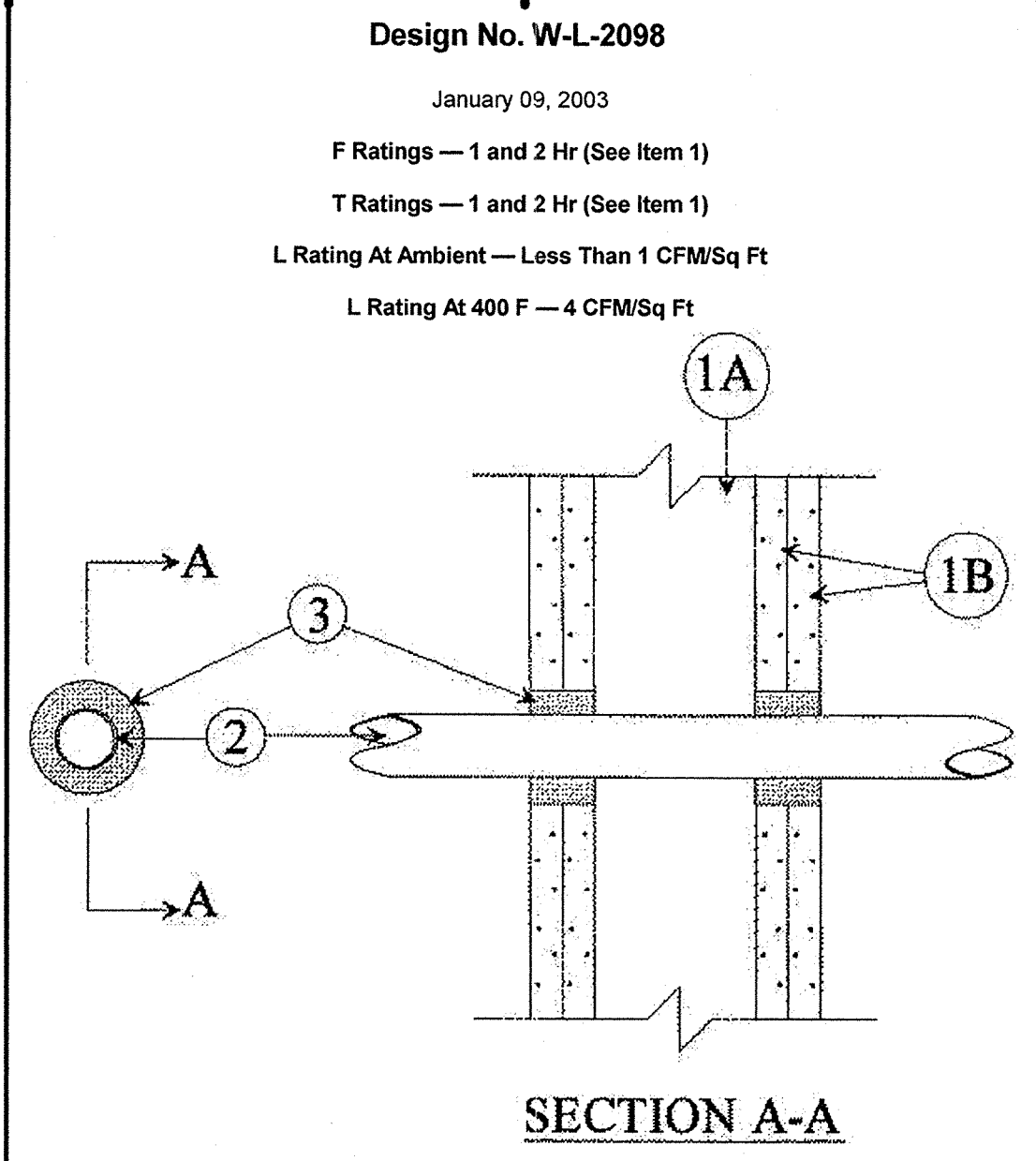
1. **Wall Assembly** — The 1 or 2 hr fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:  
 A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.  
 B. **Gypsum Board\*** — 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 5 in. (127 mm).  
 The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.  
 2. **Through Penetrants** — One nonmetallic pipe or conduit to be centered within the firestop system. A nom annular space of 1/4 in. (6 mm) is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes or conduits may be used:  
 A. **Polyvinyl Chloride (PVC) Pipe** — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.  
 B. **Rigid Nonmetallic Conduit\*** — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 or 80 PVC conduit installed in accordance with the National Electrical Code (NFPA No. 70).  
 C. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.  
 D. **Acrylonitrile Butadiene Styrene (ABS) Pipe** — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid or foamed core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.  
 E. **Fire Retardant Polypropylene (FRPP) Pipe** — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.  
 3. **Firestop System** — The firestop system shall consist of the following:  
 A. **Fill, Void or Cavity Material\*** — Caulk — (Optional) — Caulk forced into annular space to max extent possible. Caulk shall be installed flush with both surfaces of wall assembly. L Ratings apply only when caulk is used.  
 B. **Specified Technologies Inc** — SpecSeal 100, 101, 102, 120, 129 or 105 Sealant, SpecSeal LCC Sealant, Pencil Sealant or SpecSeal Series 31L300 Sealant.  
 C. **Galv Steel Collar** lined with an intumescent material sized to fit the specific diam of the through-penetrant. Device shall be installed around through-penetrant in accordance with accompanying installation instructions. Device incorporates anchor tabs for securement to each surface of wall assembly by means of 1/8 in. (3 mm) diam by 1-3/4 in. (45 mm) long steel molly bolts in conjunction with 1/4 in. (6 mm) diam by 1-1/2 in. (38 mm) diam steel fender washers.  
 The F and T Rating of the firestop system is dependent upon the fire rating of the wall and size of the firestop device as tabulated below.

Fire Rating of Wall Hr	Nom Device Size In.	F Rating Hr	T Rating Hr
1	1-1/2	1	1
2	1-1/2	2	1-1/2
1	2	1	1
2	2	2	1-1/2
1	3	1	1
2	3	2	2
1	4	1	1
2	4	2	2

**SPECIFIED TECHNOLOGIES INC** — SpecSeal Firestop Collar, SpecSeal LCC Collar, or SpecSeal SSC Collar. When SpecSeal LCC Collar or SpecSeal SSC Collar are used, the max annular space shall be 1/8 in. (3 mm) for max 2-1/2 in. (64 mm) diam pipe and shall be max 1/4 in. (6 mm) for pipe larger than 2-1/2 in. (64 mm) diam. **The T Rating equals the hourly F Rating when SpecSeal LCC Collar is used.**

\*Bearing the UL Classification Marking  
 Last Updated on 2012-11-26

**H3 UL W-L-2029**  
 NTS

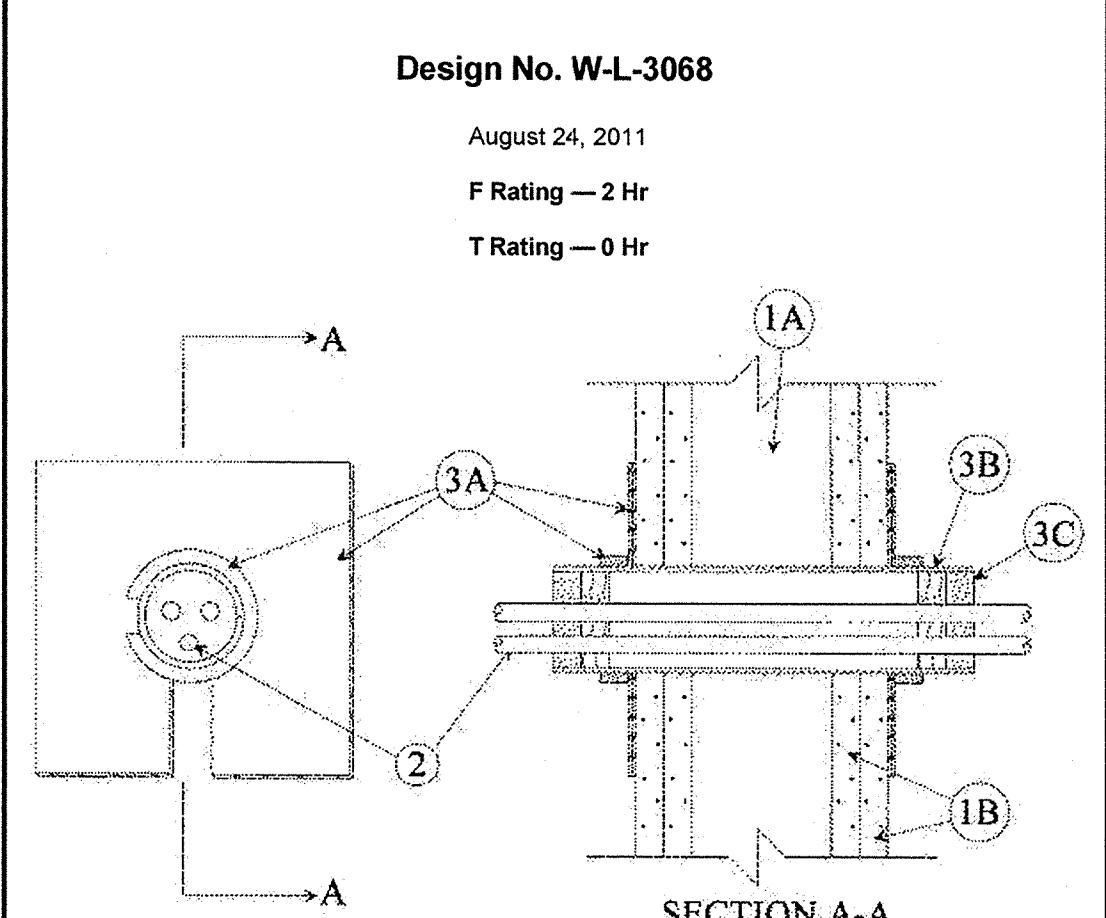


**Design No. W-L-2098**  
 January 09, 2003  
 F Ratings — 1 and 2 Hr (See Item 1)  
 T Ratings — 1 and 2 Hr (See Item 1)  
 L Rating At Ambient — Less Than 1 CFMSq Ft  
 L Rating At 400 F — 4 CFMSq Ft

**SECTION A-A**

1. **Wall Assembly** — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:  
 A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.  
 B. **Gypsum Board\*** — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 4-3/8 in. The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.  
 2. **Through Penetrants** — One nonmetallic pipe installed within the firestop system. Pipe to be rigidly supported on both sides of floor or wall assembly. The space between pipe and periphery of opening shall be min 3/4 in. to max 1-1/4 in. Pipe to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of nonmetallic pipes may be used:  
 A. **Polyvinyl Chloride (PVC) Pipe** — Nom 2 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) piping system.  
 B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 2 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) piping systems.  
 3. **Fill, Void or Cavity Materials\*** — Sealant — Installed to completely fill the annular space between the pipes and gypsum wallboard on both sides of wall.  
 HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant  
 \*Bearing the UL Classification Mark

**D5 UL W-L-2098**  
 NTS  
 Last Updated on 2003-01-09



**Design No. W-L-3071**

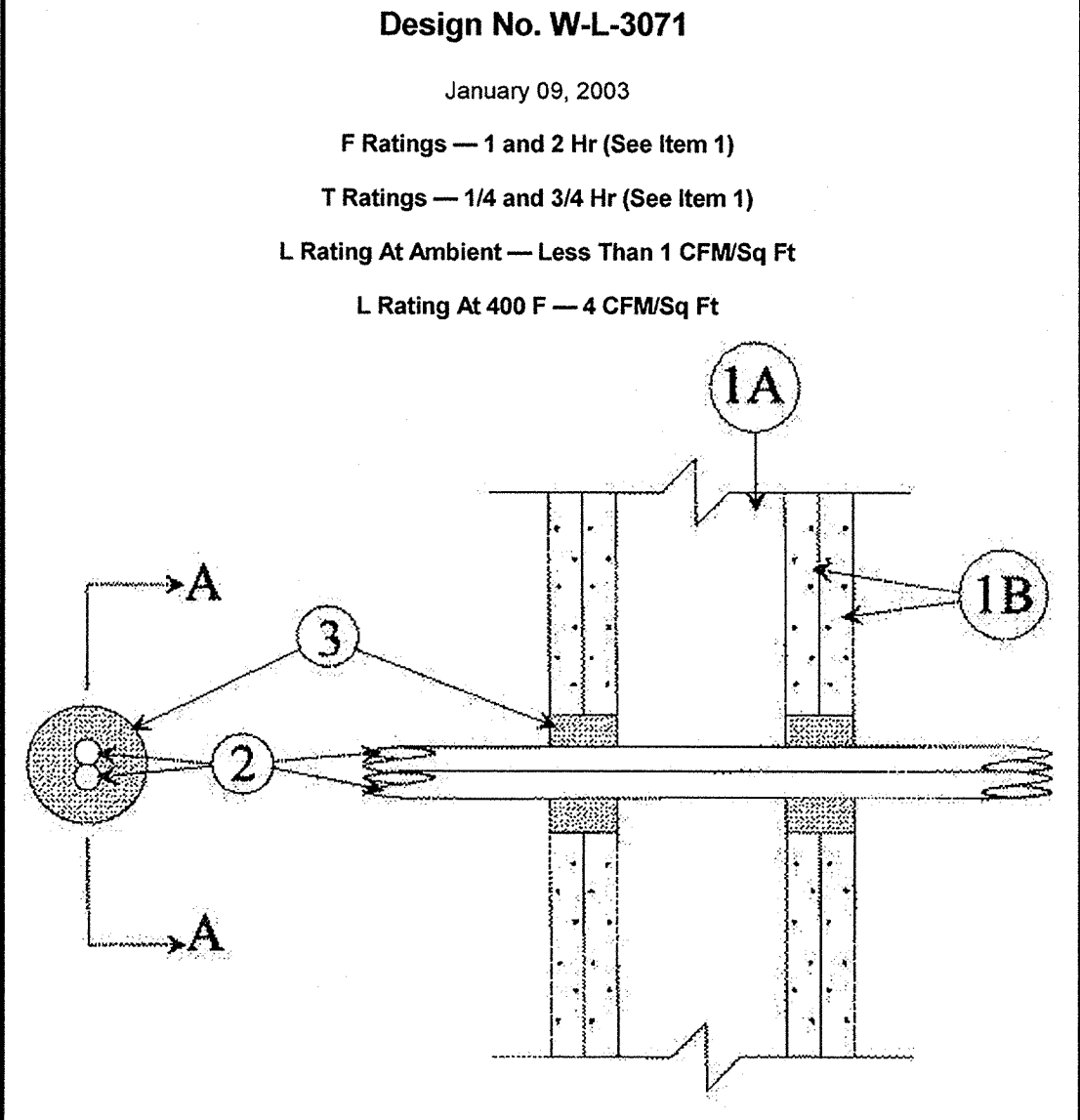
January 09, 2003  
 F Ratings — 1 and 2 Hr (See Item 1)  
 T Ratings — 1/4 and 3/4 Hr (See Item 1)  
 L Rating At Ambient — Less Than 1 CFMSq Ft  
 L Rating At 400 F — 4 CFMSq Ft

**SECTION A-A**

1. **Wall Assembly** — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:  
 A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.  
 B. **Gypsum Board\*** — Two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design.  
 2. **Cables** — Aggregate cross-sectional area of cables in Split Sleeve to be min 8 percent to max 36 percent of the aggregate cross-sectional area of the Split Sleeve. Cables to be rigidly supported on both sides of wall assembly. Any combination of the following types and sizes of copper conductor cable may be used:  
 A. Max 350 kcmil single conductor Type XHHW power cables; cross-linked polyethylene (XLPE) insulation.  
 B. Max 150 pair No. 24 AWG conductor telecommunication cables; polyvinyl chloride (PVC) insulation and jacket materials.  
 C. Max No. 12 AWG multiconductor Type TC power and control cables; Type XHHW conductors XLPE insulation with XLPE or PVC jacket.  
 3. **Firestop System** — The firestop system shall consist of the following:  
 A. **Firestop Device\*** — Threaded steel sleeve halves incorporating split nuts and split washers sized to fit the specific diam of the opening. Device shall be installed around cables in accordance with the accompanying installation instructions. Device provided in nom 1, 2 and 4 in. sizes. Max diam of opening in wall for 1, 2 and 4 in. size devices are 1-1/4, 2-7/16 and 4-1/2 in., respectively.  
 B. **UNIQUE FIRE STOP PRODUCTS INC** — Split Sleeve  
 C. **Packing Material** — Min 1 in. thickness of min 4.0 pcf mineral wool batt insulation firmly packed into Split Sleeve as a permanent form. Packing material to be recessed from end of Split Sleeve as required to accommodate the required thickness of fill material.  
 C. **Fill, Void or Cavity Material\*** — Caulk, Sealant or Putty — Min 1 in. thickness of fill material applied within the Split Sleeve, flush with both ends.  
**3M COMPANY** — CP 25WB+ Caulk, MPS-2+ Putty or FB-3000 WT Sealant  
 \*Bearing the UL Classification Mark

\*Bearing the UL Classification Marking  
 Last Updated on 2011-08-24

**H5 UL W-L-3068**  
 NTS



**Design No. W-L-3117**

November 20, 1999  
 F Ratings — 1 and 2 Hr (See Item 1B)  
 T Ratings — 1/2, 1 and 2 Hr (See Item 3)  
 L Rating At Ambient — 8 CFMSq Ft  
 L Rating At 400 F — Less Than 1 CFMSq Ft

**SECTION A-A**

1. **Wall Assembly** — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:  
 A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.  
 B. **Gypsum Board\*** — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 3 in. The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.  
 The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T Rating of the firestop system is 1/4 and 3/4 hr for 1 and 2 hr rated wall assemblies, respectively.  
 2. **Cables** — Max two 3/8 in. diameter aluminum or copper Type SER cable with polyvinyl chloride (PVC) insulation. Cable to be rigidly supported on both sides of wall assembly. The annular space between the cables and the periphery of opening shall be min 1/2 in. to max 1-1/2 in.  
 3. **Fill, Void or Cavity Material\*** — Sealant — Installed to completely fill the annular space between the cables and gypsum wallboard on both sides of wall.  
 HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant  
 \*Bearing the UL Classification Mark

\*Bearing the UL Classification Marking  
 Last Updated on 2003-01-09

**H7 UL W-L-3071**  
 NTS

Rating of Wall Hr	Type of Through Penetrant	Type of Fill	Thkness of Fill (in.)	Thkness of Fill (in.)	T Rating Hr
1	Telephone Cable	Sealant	5/8	1/4	1
2	Telephone Cable	Sealant	5/8	1/4	2
1	Telephone Cable	Putty	5/8	3/8	1
2	Telephone Cable	Putty	3/4	1/4	2
1	Romex Cable	Sealant	5/8	3/8	1
2	Romex Cable	Sealant	3/4	1/4	2
1	Romex Cable	Putty	5/8	3/8	1
2	Romex Cable	Putty	3/4	1/4	2
1	Service Cable	Sealant	5/8	1/4	1/2
2	Service Cable	Sealant	5/8	1/4	1/2
1	Metal Clad or Armored Cable	Sealant	5/8	1/4	1/2
2	Metal Clad or Armored Cable	Sealant	5/8	1/4	1/2

**SPECIFIED TECHNOLOGIES INC** — SpecSeal 100, 101, 102 or 105 Sealant or SpecSeal Putty  
 \*Bearing the UL Classification Marking  
 \*Bearing the UL Listing Mark  
 Last Updated on 1999-11-20

**H9 UL W-L-3117**  
 NTS

PERMIT REVIEW		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
3		
4		
5		

ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
3		
4		
5		

REVISION HISTORY		
No.	Date	Description
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**FUGLEBERG KOCH**  
 PLLC  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.  
 RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
 Lake County, FL  
**UL REFERENCE DIRECTORY**  
 A0.20

**GENERAL NOTES:**

- SEE CIVIL PLAN FOR PARKING SUMMARY.
- THIS SITE PLAN IS FOR ARCHITECTURAL INFORMATION ONLY. SEE CIVIL & LANDSCAPE DOCUMENTS FOR SPECIFIC BUILDING LOCATION & OTHER SITE REQUIREMENTS.
- SEE LANDSCAPE DRAWINGS UNDER SEPARATE COVER FOR SITE CONFIGURATION, LAYOUT, GRADING AND RELATED INFORMATION.
- THE SWIMMING POOL(S) SHOWN ON THE DRAWINGS ARE PROVIDED FOR GENERAL LOCATION AND SHAPE SUGGESTION PURPOSES ONLY. FUGLEBERG KOCH PLLC IS NOT QUALIFIED TO DO SO. POOL DESIGN DOCUMENTS FOR CONSTRUCTION, CODE COMPLIANCE, AGENCY APPROVALS, CONSTRUCTION CERTIFICATION AND OTHER SERVICES REQUIRED FOR THE POOL(S) SHALL BE PERFORMED BY OTHERS UNDER THE SEPARATE CONTRACT WITH THE OWNER.
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- PER FAIR HOUSING REQUIREMENTS, 2% OF THE GARAGES SHALL BE ACCESSIBLE OR A TOTAL OF 2. LOCATE ACCESSIBLE GARAGES IN BUILDINGS 2 AND 8 PER SHEET A2.15.

**ISSUE HISTORY**

No.	Date	Description
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**REVISION HISTORY**

No.	Date	Description
1	12/23/2013	PERMIT COMMENTS #1



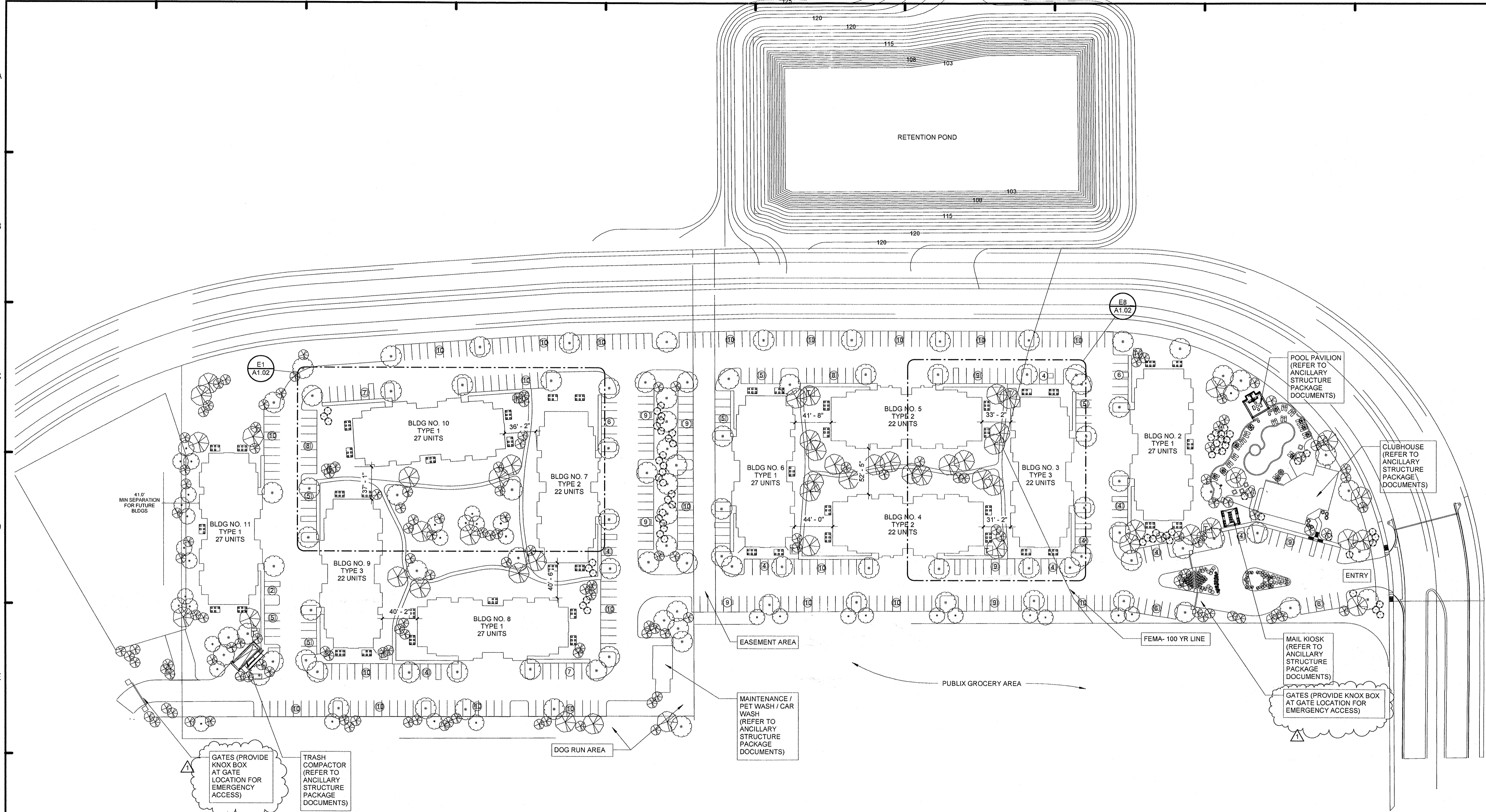
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0395  
www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
Lake County, FL  
Date: 11/15/2013  
Project #: 5169

**ARCHITECTURAL SITE PLAN** A1.01

KEN LINDHEM  
FLORIDA LICENSE # AR0017385  
*[Signature]*  
RECEIVED DEC 30 2013



**SUMMER BAY APARTMENTS UNIT MIX SUMMARY**

Building Type	Garages	FLOORS			UNITS	TOTAL / BUILDING %		
		Type	1	2			3	
Type 1	6	1B / 1B BALC	A	2	2	6	22.2%	
		1B / 1B SOL	As	0	2	2	4	14.8%
		1B / 1B SMALL	A2	1	2	2	5	18.5%
		2B / 2B BALC	B	4	4	4	12	44.4%
		2B / 2B SOL	Bs	0	0	0	0	0.0%
		3B / 2B BALC	C	0	0	0	0	0.0%
Units / Bldg			7	10	10	27	100%	

Building Type	Garages	FLOORS			UNITS	TOTAL / BUILDING %		
		Type	1	2			3	
Type 3	6	1B / 1B BALC	A	0	0	0	0.0%	
		1B / 1B SOL	As	0	0	0	0.0%	
		1B / 1B SMALL	A2	0	0	0	0.0%	
		2B / 2B BALC	B	6	6	6	18	81.8%
		2B / 2B SOL	Bs	0	2	2	4	18.2%
		3B / 2B BALC	C	0	0	0	0	0.0%
Units / Bldg			6	8	8	22	100%	

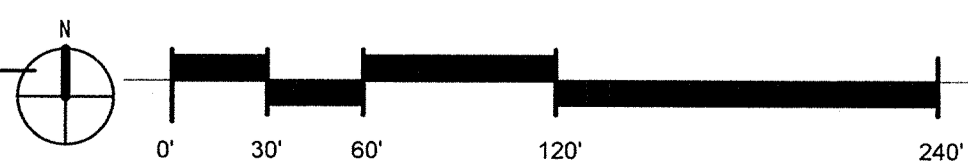
Building Type	Garages	FLOORS			UNITS	TOTAL / BUILDING %		
		Type	1	2			3	
Type 2	6	1B / 1B BALC	A	0	0	4	18.2%	
		1B / 1B SOL	As	0	0	0	0.0%	
		1B / 1B SMALL	A2	0	0	0	0.0%	
		2B / 2B BALC	B	2	2	2	6	27.3%
		2B / 2B SOL	Bs	0	2	2	4	18.2%
		3B / 2B BALC	C	4	4	0	8	36.4%
Units / Bldg			6	8	8	22	100%	

MASTER UNIT COUNT							
BUILDING TYPES	Type	FLOORS			No. Units	Site Mix %	
		1	2	3			
No. of Bldgs per type	5	3	2				
	1B / 1B BALC	A	30	12	0	42	17.1%
	1B / 1B SOL	As	20	0	0	20	8.2%
	1B / 1B SMALL	A2	25	0	0	25	10.2%
	2B / 2B BALC	B	60	18	36	114	46.5%
	2B / 2B SOL	Bs	0	12	8	20	8.2%
3B / 2B BALC	C	0	24	0	24	9.8%	
<b>TOTAL</b>			135	66	44	245	100%
<b>TOTAL</b>	Garages		30	18	12		60

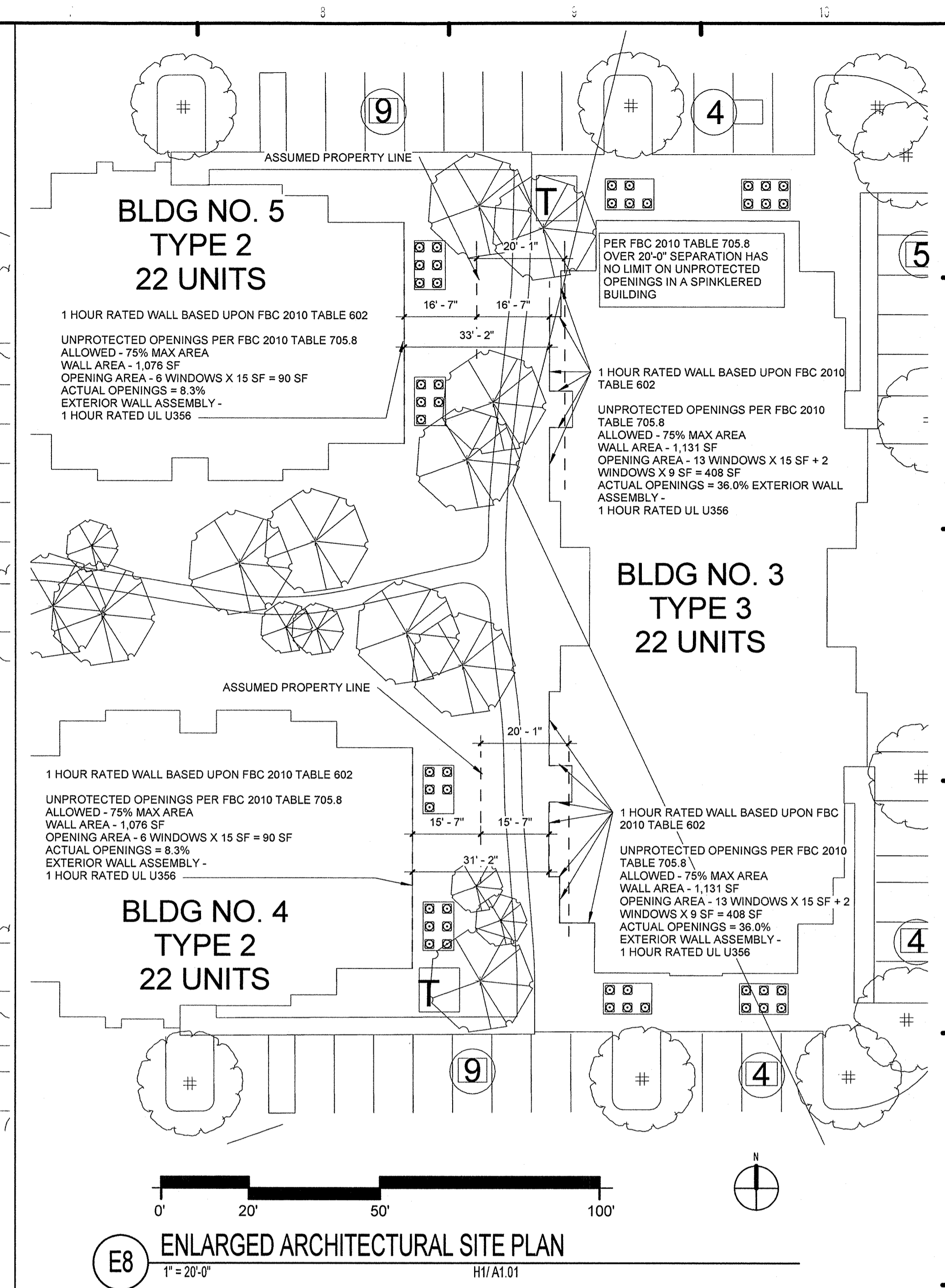
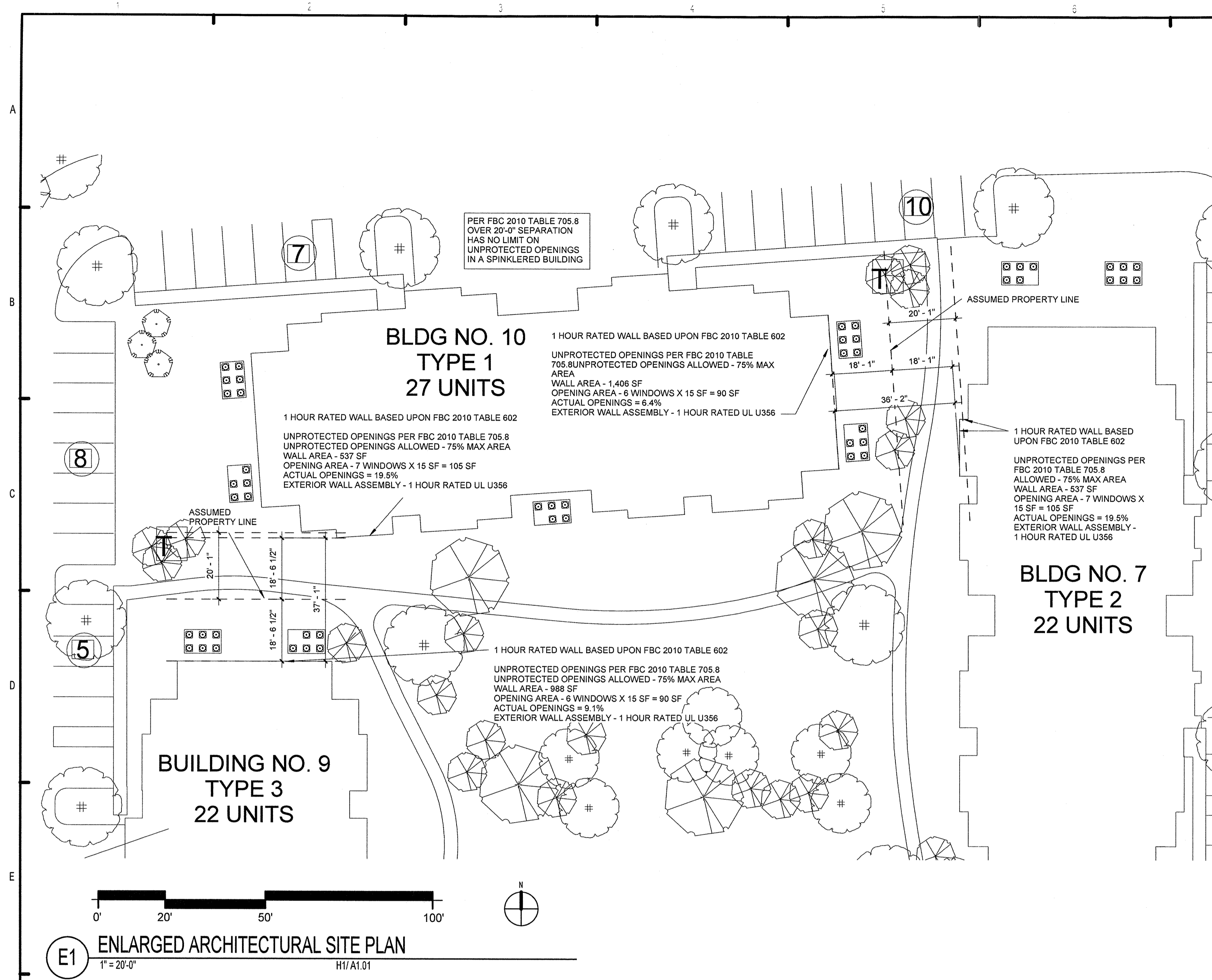
AREA SCHEDULE - (UNITS)		
Name	Area	
UNIT A	804 SF	
BALCONY	71 SF	
	875 SF	
UNIT A2	616 SF	
	616 SF	
UNIT A - SOLARIUM	875 SF	
	875 SF	
UNIT B	1,065 SF	
BALCONY	71 SF	
	1,136 SF	
UNIT B - SOLARIUM	1,135 SF	
	1,135 SF	
UNIT C	1,238 SF	
BALCONY	71 SF	
	1,308 SF	

EXTERIOR FINISH SCHEDULE			
COLOR SCHEME	A	BUILDINGS 2, 6, 8, 10, 11	
MANUFACTURER	SHERWIN WILLIAMS	SERIES / COLOR #	SW 0024
COLOR NAME	EL DORADO		MOUNTAIN LEDGE
BASE PAINT	SHERWIN WILLIAMS	SW 7738	CARGO PANTS
BASE STONE	SHERWIN WILLIAMS	SW 7610	TURKISH TILE
BODY COLOR	SHERWIN WILLIAMS	SW 0014	SHERATON SAGE
ACCENT PAINT 1	SHERWIN WILLIAMS	SW 7009	PEARLY WHITE
ACCENT PAINT 2	SHERWIN WILLIAMS	WHITE	WHITE
TRIM PAINT	SHERWIN WILLIAMS	WHITE	WHITE
DOWNSPOUTS	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
FASCIA	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
METAL ACCENT ROOFING	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
ROOFING	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
COLOR SCHEME	B	BUILDINGS 4, 5, 7	
MANUFACTURER	SHERWIN WILLIAMS	SERIES / COLOR #	SW 0024
COLOR NAME	EL DORADO		MOUNTAIN LEDGE
BASE PAINT	SHERWIN WILLIAMS	SW 7738	CARGO PANTS
BASE STONE	SHERWIN WILLIAMS	SW 7610	TURKISH TILE
BODY COLOR	SHERWIN WILLIAMS	SW 0014	SHERATON SAGE
ACCENT PAINT 1	SHERWIN WILLIAMS	SW 7579	ALAEA
ACCENT PAINT 2	SHERWIN WILLIAMS	SW 7009	PEARLY WHITE
TRIM PAINT	SHERWIN WILLIAMS	WHITE	WHITE
DOWNSPOUTS	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
FASCIA	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
METAL ACCENT ROOFING	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
ROOFING	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
COLOR SCHEME	C	BUILDINGS 3, 9	
MANUFACTURER	SHERWIN WILLIAMS	SERIES / COLOR #	SW 0024
COLOR NAME	EL DORADO		MOUNTAIN LEDGE
BASE PAINT	SHERWIN WILLIAMS	SW 7738	CARGO PANTS
BASE STONE	SHERWIN WILLIAMS	SW 7610	TURKISH TILE
BODY COLOR	SHERWIN WILLIAMS	SW 7701	CAVERN CLAY
ACCENT PAINT 1	SHERWIN WILLIAMS	SW 7009	PEARLY WHITE
ACCENT PAINT 2	SHERWIN WILLIAMS	WHITE	WHITE
TRIM PAINT	SHERWIN WILLIAMS	WHITE	WHITE
DOWNSPOUTS	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
FASCIA	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
METAL ACCENT ROOFING	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY
ROOFING	OWENS CORNING	TRUDEFINITION DURATION	ESTATE GRAY

H1 ARCHITECTURAL SITE PLAN  
1" = 60'-0"



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**PERMIT REVIEW**

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**REVISION HISTORY**

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**FUGLEBERG KOCH PLLC**  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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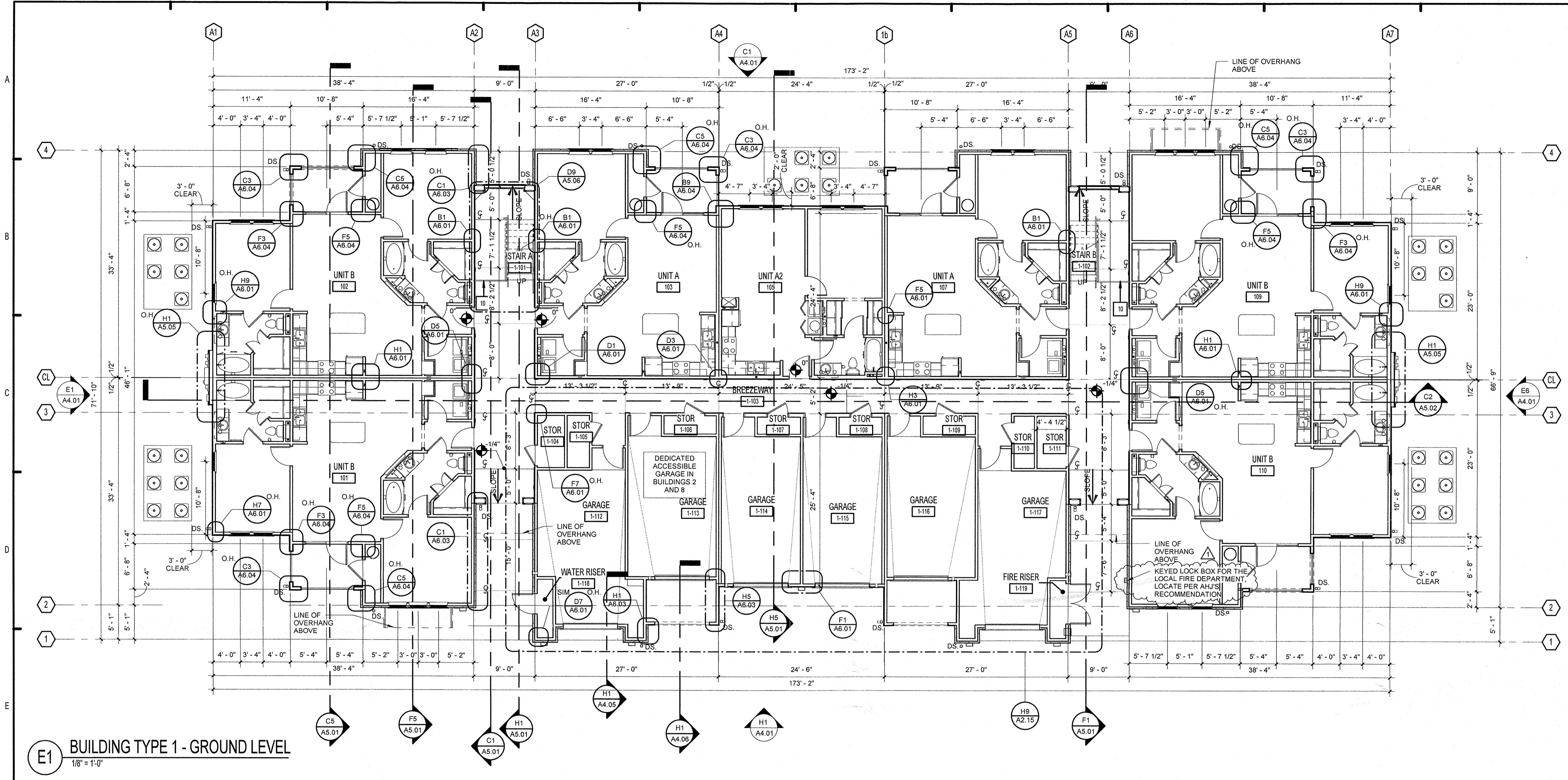
**SUMMER BAY APARTMENTS**  
 Lake County, FL

Drawn	KP
Checked	KL
Approved	KL
Date	11/15/2013
Project #	5169

**ARCHITECTURAL SITE PLAN- ENLARGED PLANS**  
 A1.02

KEN LINDEMAN  
 FLORIDA LICENSE # A90017285

*[Signature]*  
 11/15/2013



**E1 BUILDING TYPE 1 - GROUND LEVEL**  
1/8" = 1'-0"

**FINISH SCHEDULE - COMMON BUILDING AREAS - TYPE 1**

MARK	SPACE DESIGNATION	FLOOR MATERIAL	BASE MATERIAL	WALLS								CEILING		REMARKS
				NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH			
1-101	STAIR A	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
1-102	STAIR B	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
1-103	BREEZEWAY	CONC	FCT	SIDING	PNT	SIDING	PNT	SIDING	PNT	SIDING	PNT	GWB	PNT	
1-104	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-105	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-106	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-107	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-108	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-109	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-110	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-111	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-112	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-113	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-114	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-115	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-116	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-117	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-118	WATER RISER	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-119	FIRE RISER	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
1-201	STAIR A	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
1-202	STAIR B	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
1-203	BREEZEWAY	CONC	FCT	SIDING	PNT	SIDING	PNT	SIDING	PNT	SIDING	PNT	GWB	PNT	
1-301	STAIR A	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
1-302	STAIR B	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
1-303	BREEZEWAY	CONC	FCT	SIDING	PNT	SIDING	PNT	SIDING	PNT	SIDING	PNT	GWB	PNT	

NOTE:  
SEE SHEET A3.12 FOR SPECIFIC  
UNIT FINISH INFORMATION

**BUILDING PLAN NOTES:**

- FOR ENLARGED UNIT PLANS SEE A3.00 SERIES SHEETS.
- REFER TO LIFE SAFETY PLANS SHEETS A 0.10 THRU A 0.12 FOR RATED WALL LOCATIONS
- SEE CIVIL PLAN FOR ACTUAL FINISH FLOOR ELEVATIONS AND BUILDING ORIENTATIONS.
- VERIFY EXACT LOCATION OF FIRE EXTINGUISHER TYPE WITH FIRE OFFICIALS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- ALL WALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
- ALL WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING. UNLESS NOTED OTHERWISE.
- D.S. = 6" METAL DOWN SPOUT (TYP). UNLESS NOTED OTHERWISE, CONNECT TO CIVIL DRAIN. SEE CIVIL.
- CONTRACTOR TO COORDINATE FLOOR CONTROL JOINTS IN BREEZEWAY TOPPING AT 8'-0" MAX. ON CENTER.
- 27" HIGH STEEL GUARDRAIL @ STAIR AREA - SEE A5.01
- SEE SHEET A3.10 FOR FINISH SCHEDULE INFO.
- THERMAL BATT INSULATION TO OCCUR IN ALL EXTERIOR WALL CAVITIES. MIN. R-13 BATT'S IN 2X4 WALLS. MIN. R-19 BATT'S IN 2X6 WALLS.
- 36" HIGH @ 1ST FLOOR BALCONIES & 42" HIGH @ 2ND & 3RD LEVELS STEEL GUARDRAIL - RETURN TO AND ATTACH TO WALL.
- UNIT NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE OWNER SHALL COORDINATE THE BUILDING AND UNIT NUMBERS WITH THE POST OFFICE AND THE LOCAL JURISDICTION.

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**PERMIT REVIEW**

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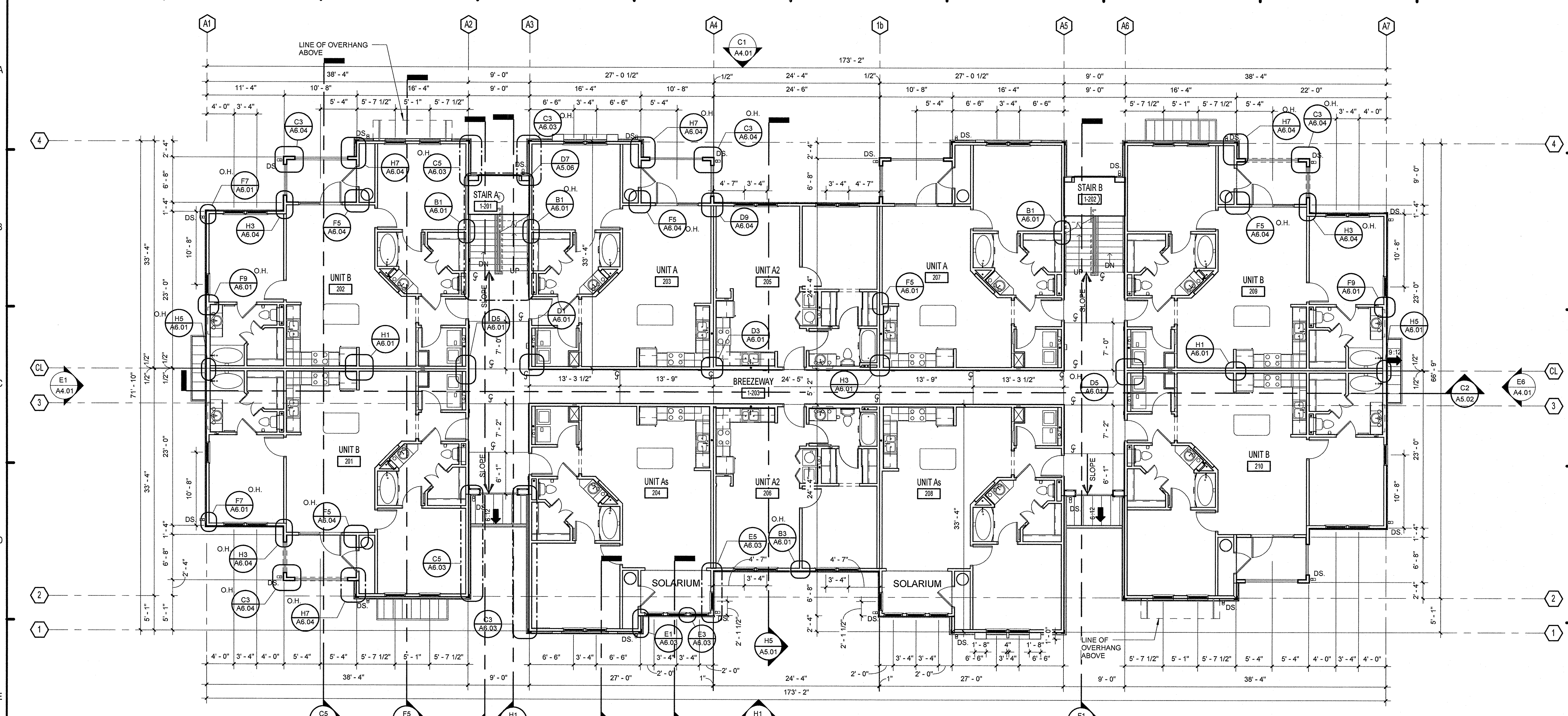
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com A426002103

**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
Lake County, FL

**BUILDING TYPE 1 - GROUND LEVEL PLAN** A2.01

REAL LICENSE #  
FLORIDA LICENSE #00017305  
*[Signature]*



**E1 BUILDING TYPE 1 - 2ND LEVEL PLAN**  
1/8" = 1'-0"

**BUILDING PLAN NOTES:**

1. FOR ENLARGED UNIT PLANS SEE A3.00 SERIES SHEETS.
2. REFER TO LIFE SAFETY PLANS SHEETS A.0.10 THRU A.0.12 FOR RATED WALL LOCATIONS.
3. SEE CIVIL PLAN FOR ACTUAL FINISH FLOOR ELEVATIONS AND BUILDING ORIENTATIONS.
4. VERIFY EXACT LOCATION OF FIRE EXTINGUISHER TYPE WITH FIRE OFFICIALS.
5. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
6. ALL WALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
7. ALL WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING, UNLESS NOTED OTHERWISE.
8. D.S. = 6" METAL DOWN SPOUT (TYP), UNLESS NOTED OTHERWISE, CONNECT TO CIVIL DRAIN, SEE CIVIL.
9. CONTRACTOR TO COORDINATE FLOOR CONTROL JOINTS IN BREEZEWAY TOPPING AT 8'-0" MAX. ON CENTER.
10. 27" HIGH STEEL GUARDRAIL @ STAIR AREA - SEE A5.01.
11. SEE SHEET A3.10 FOR FINISH SCHEDULE INFO.
12. THERMAL BATT INSULATION TO OCCUR IN ALL EXTERIOR WALL CAVITIES.  
MIN. R-13 BATTS IN 2X4 WALLS  
MIN. R-19 BATTS IN 2X6 WALLS
14. 36" HIGH @ 1ST FLOOR BALCONIES & 42" HIGH @ 2ND & 3RD LEVELS STEEL GUARDRAIL - RETURN TO AND ATTACH TO WALL.
15. UNIT NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE OWNER SHALL COORDINATE THE BUILDING AND UNIT NUMBERS WITH THE POST OFFICE AND THE LOCAL JURISDICTION.

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PLLC

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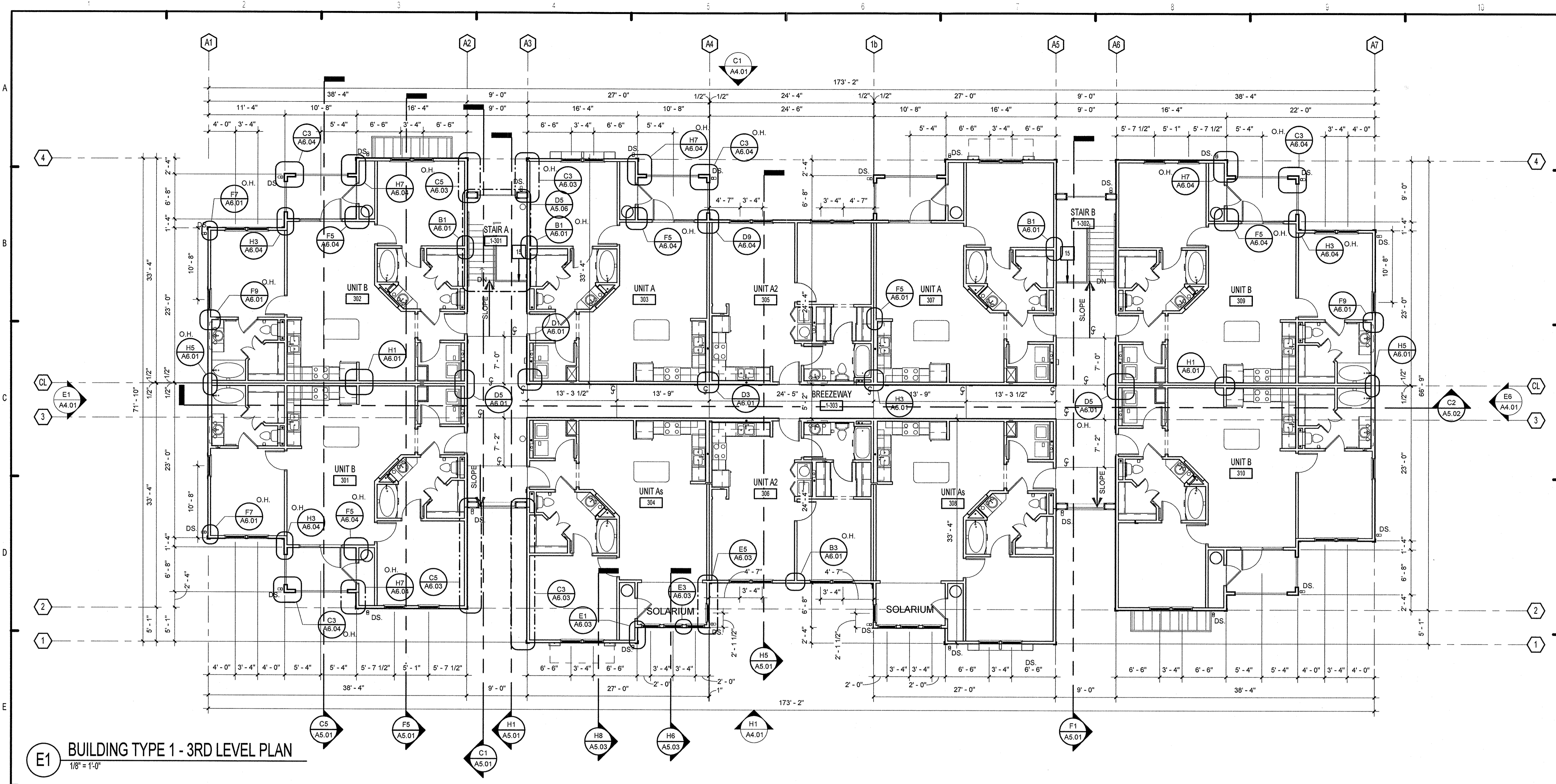
RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn:	Author
Checked:	KL
Approved:	KL
Date:	11/15/2013
Project #:	5169

**BUILDING TYPE 1 - 2ND LEVEL PLAN**      **A2.02**

KEN LINDMAN  
FLORIDA LICENSE# AR0017385



PERMIT REVIEW		

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**BUILDING PLAN NOTES:**

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- ALL WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING, UNLESS NOTED OTHERWISE.
- D.S. = 6" METAL DOWN SPOUT (TYP). UNLESS NOTED OTHERWISE, CONNECT TO CIVIL DRAIN, SEE CIVIL.
- CONTRACTOR TO COORDINATE FLOOR CONTROL JOINTS IN BREEZEWAY TOPPING AT 8'-0" MAX. ON CENTER.
- 27" HIGH STEEL GUARDRAIL @ STAIR AREA - SEE A5.01
- SEE SHEET A3.10 FOR FINISH SCHEDULE INFO.
- THERMAL BATT INSULATION TO OCCUR IN ALL EXTERIOR WALL CAVITIES  
MIN. R-13 BATTS IN 2X4 WALLS  
MIN. R-19 BATTS IN 2X6 WALLS
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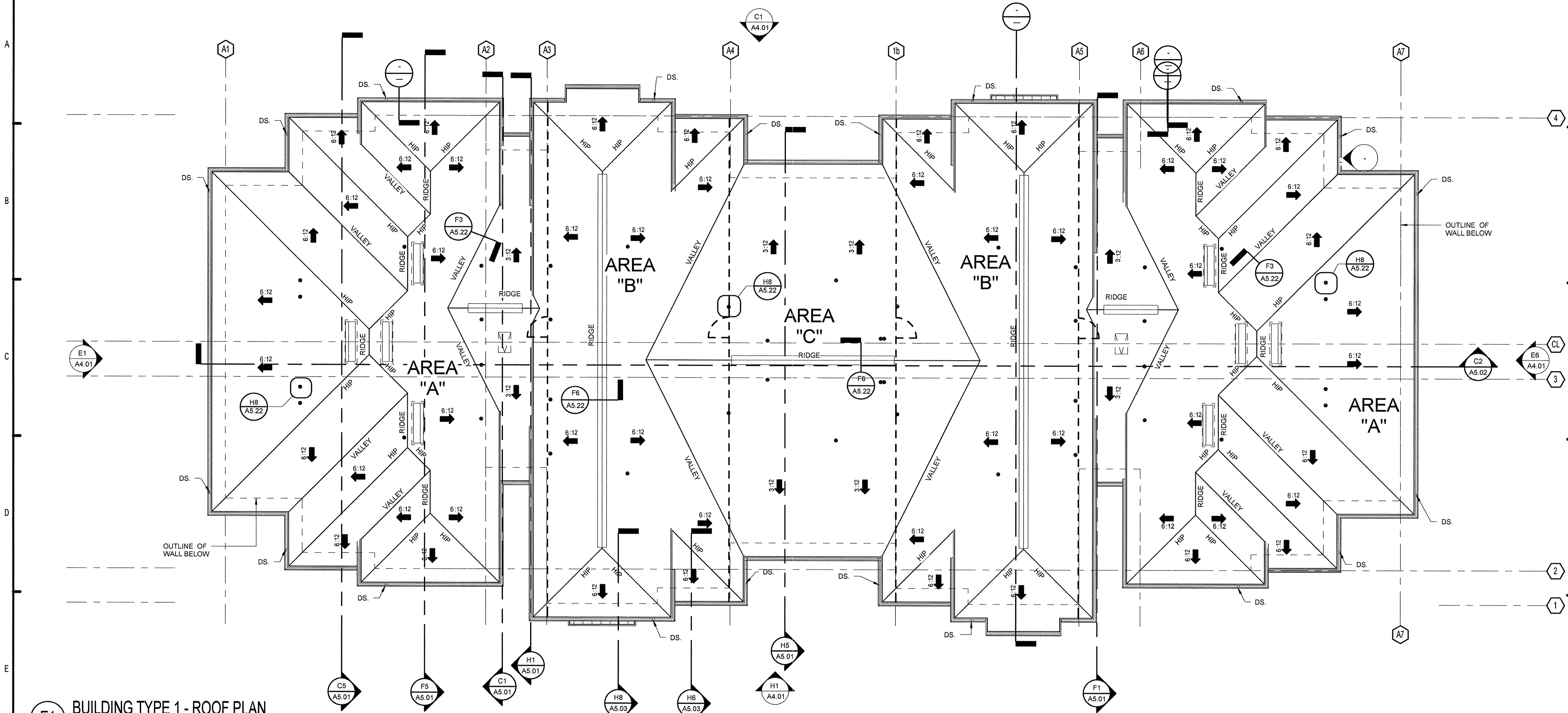
**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn:	KP
Checked:	KL
Approved:	KL
Date:	11/15/2013
Project #:	5169

**BUILDING TYPE 1 - 3RD LEVEL PLAN**      **A2.03**

KEN LINDEMAN  
FLORIDA LICENSE # AR0017385





**E1 BUILDING TYPE 1 - ROOF PLAN**  
1/8" = 1'-0"

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ATTIC VENT CALCULATIONS AREA - A		
	REQUIRED	PROVIDED
- TOTAL ROOF AREA	2701 S.F.	
- PER FBC 2010 (1/300)	X_00333	
- VENTILATED AREA	9.00 S.F.	
- TOTAL SOFFIT LINEAR FT	YES	182 L.F.
- OPEN NET VENT (HARDIE)	NO	X_0347
- OPEN NET VENT (TAMLYN)	NO	
- NET FREE AREA REQ'D	4.50 S.F. (50%)	6.32 S.F.
- LINEAR FEET OF VENT		0.00 L.F.
- NET RIDGE VENT AREA		X_094
- OFF RIDGE VENT (6'-0" LONG)		4 @ 6'-0" = 5.83 SF
- NET FREE AREA REQ'D	4.50 S.F. (50%)	5.83 S.F.

ATTIC VENT CALCULATIONS AREA - B		
	REQUIRED	PROVIDED
- TOTAL ROOF AREA	1897 S.F.	
- PER FBC 2010 (1/300)	X_00333	
- VENTILATED AREA	6.32 S.F.	
- TOTAL SOFFIT LINEAR FT	YES	96 L.F.
- OPEN NET VENT (HARDIE)	NO	X_0347
- OPEN NET VENT (TAMLYN)	NO	
- NET FREE AREA REQ'D	3.16 S.F. (50%)	3.33 S.F.
- LINEAR FEET OF VENT		54 L.F.
- NET RIDGE VENT AREA		X_094
- NET FREE AREA REQ'D	3.16 S.F. (50%)	6.76 S.F.

ATTIC VENT CALCULATIONS AREA - C		
	REQUIRED	PROVIDED
- TOTAL ROOF AREA	1316 S.F.	
- PER FBC 2010 (1/300)	X_00333	
- VENTILATED AREA	4.39 S.F.	
- TOTAL SOFFIT LINEAR FT	YES	116 L.F.
- OPEN NET VENT (HARDIE)	YES	X_0347
- OPEN NET VENT (TAMLYN)	YES	X_0625
- NET FREE AREA REQ'D	2.20 S.F. (50%)	4.667 S.F.
- LINEAR FEET OF VENT		24 L.F.
- NET RIDGE VENT AREA		X_094
- NET FREE AREA REQ'D	2.20 S.F. (50%)	3.00 S.F.

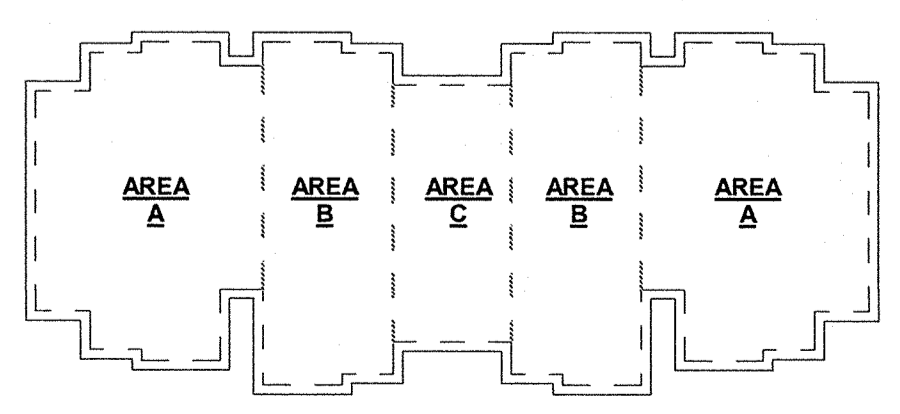
VENT MATERIALS			
SOFFIT VENT at EAVE	HARDIE VENTED SOFFIT	0.0347 net sq. ft./lin. ft.	5.0 net sq. in./lin. ft.
SOFFIT VENT at EAVE	TAMLYN VENTED SOFFIT 2" EZ VENT	0.0625 net sq. ft./lin. ft.	9.0 net sq. in./lin. ft.
RIDGE VENT at UPPER PORTION	OWENS CORNING VENT SURE MIN. DESIGN	0.125 net sq. ft./lin. ft.	18.00 net sq. in./lin. ft.
OFF RIDGE VENT	TAMCO OFF RIDGE VENT 6'-0" LONG	1.46 net sq. ft.	210 net sq. in.

**ROOF NOTES:**

- PAINT ALL ROOF VENTS & PENETRATIONS TO MATCH ROOF COLOR.
- LEAVE OPENING IN MAIN ROOF SHEATHING FOR VENTILATION UNDERNEATH OVER BUILT AREAS.
- CONTRACTOR SHALL BE RESPONSIBLE TO MEET MINIMUM ROOF VENT REQUIREMENTS.
- FOR DIVERTER DETAILS AND INSTRUCTIONS, REFER TO A5.11
- GENERAL CONTRACTOR SHALL COORDINATE ALL ROOF ACCESSORIES INSTALLATION DETAILS PER MANUFACTURERS SPECS TO MAINTAIN THE WATERTIGHT SYSTEM & EXTENDED WATERPROOFING WARRANTY.

**ROOF LEGEND:**

- ATTIC DRAFTSTOP, 3/8" MIN. WOOD STRUCTURAL PANEL OR 5/8" GYP. BD. ATTACHED TO ONE SIDE OF ROOF TRUSS
- REMOVABLE ACCESS PANEL, MIN. 36" X 36". SEE DETAIL B3/A5.06
- 1HR. FIRE RATED ATTIC ACCESS PANEL, MIN. 22" X 36". COORDINATE WITH ROOF TRUSSES
- RIDGE VENT
- RIDGE CAP
- D.S. DOWNSPOUT
- MECH. PIPE PENETRATION SEE D1/A5.10



**BUILDING 1 KEY PLAN**  
1" = 40'-0"



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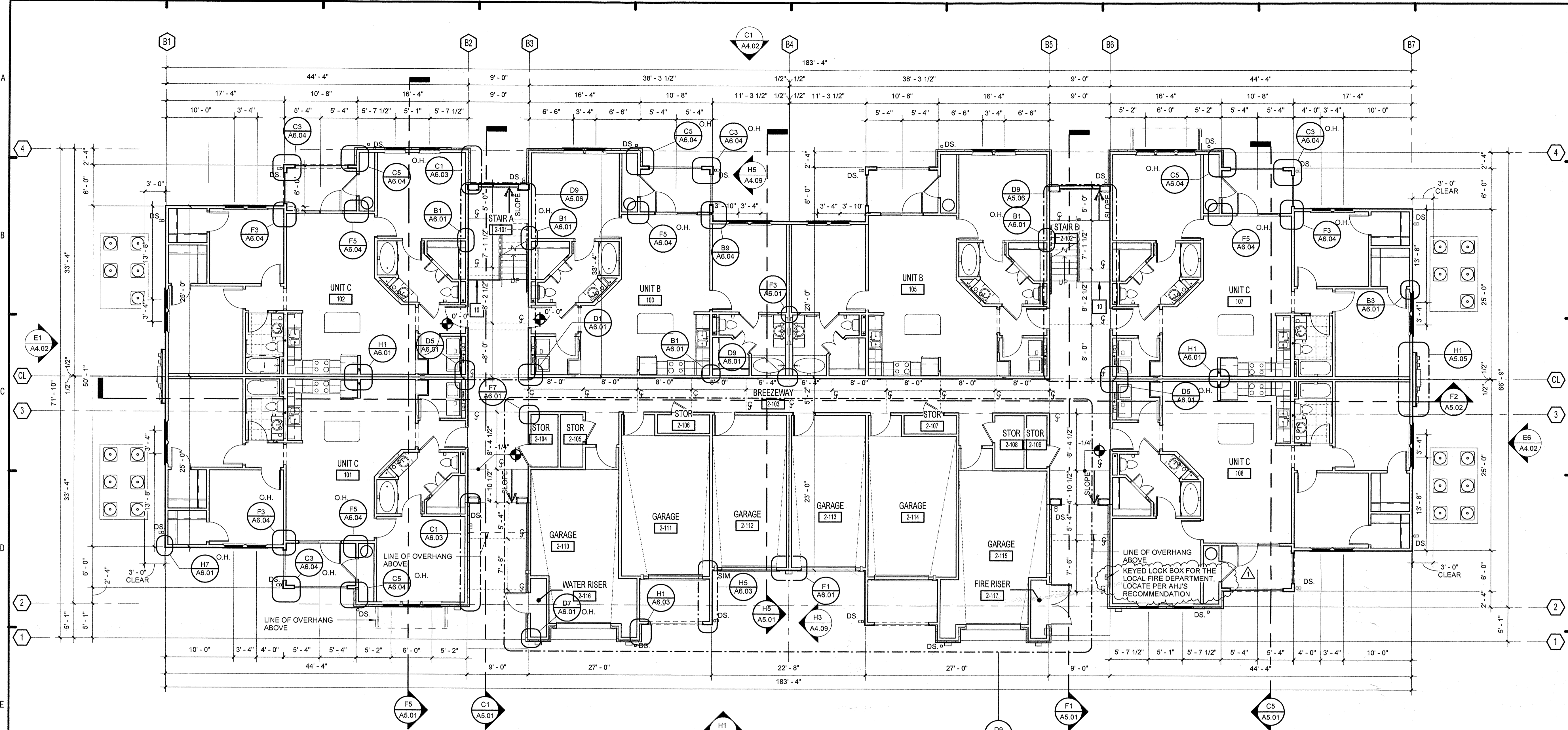
**LAKE COUNTY BUILDING DIVISION**  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on file.

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**SUMMER BAY APARTMENTS**  
Lake County, FL

**BUILDING TYPE 1 - ROOF PLANS** A2.04

REN LINSEMAN  
FLORIDA LICENSE # AR0017365



**E1 BUILDING TYPE 2 - GROUND LEVEL**  
1/8" = 1'-0"

PERMIT REVIEW		
ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
3		
4		
5		
REVISION HISTORY		
No.	Date	Description
1	12/23/2013	PERMIT COMMENTS #1

FINISH SCHEDULE - COMMON BUILDING AREAS - TYPE 2														
MARK	SPACE DESIGNATION	FLOOR MATERIAL	BASE MATERIAL	WALLS								CEILING	REMARKS	
				NORTH		EAST		SOUTH		WEST		MATERIAL		FINISH
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH			
2-101	STAIR A	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
2-102	STAIR B	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
2-103	BREEZEWAY	CONC	FCT	SIDING	PNT	SIDING	PNT	SIDING	PNT	SIDING	PNT	GWB	PNT	
2-104	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-105	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-106	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-107	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-108	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-109	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-110	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-111	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-112	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-113	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-114	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-115	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-116	WATER RISER	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-117	FIRE RISER	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
2-201	STAIR A	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
2-202	STAIR B	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
2-203	BREEZEWAY	CONC	FCT	SIDING	PNT	SIDING	PNT	SIDING	PNT	SIDING	PNT	GWB	PNT	
2-301	STAIR A	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
2-302	STAIR B	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
2-303	BREEZEWAY	CONC	FCT	SIDING	PNT	SIDING	PNT	SIDING	PNT	SIDING	PNT	GWB	PNT	

NOTE: SEE SHEET A3.12 FOR SPECIFIC UNIT FINISH INFORMATION

**BUILDING PLAN NOTES:**

- FOR ENLARGED UNIT PLANS SEE A3.00 SERIES SHEETS.
- REFER TO LIFE SAFETY PLANS SHEETS A 0.10 THRU A 0.12 FOR RATED WALL LOCATIONS
- SEE CIVIL PLAN FOR ACTUAL FINISH FLOOR ELEVATIONS AND BUILDING ORIENTATIONS.
- VERIFY EXACT LOCATION OF FIRE EXTINGUISHER TYPE WITH FIRE OFFICIALS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- ALL WALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
- ALL WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING, UNLESS NOTED OTHERWISE.
- D.S. = 6" METAL DOWN SPOUT (TYP), UNLESS NOTED OTHERWISE, CONNECT TO CIVIL DRAIN, SEE CIVIL.
- CONTRACTOR TO COORDINATE FLOOR CONTROL JOINTS IN BREEZEWAY TOPPING AT 8'-0" MAX. ON CENTER.
- SEE SHEET A3.10 FOR FINISH SCHEDULE INFO.
- THERMAL BATT INSULATION TO OCCUR IN ALL EXTERIOR WALL CAVITIES  
MIN. R-13 BATTS IN 2X4 WALLS  
MIN. R-19 BATTS IN 2X6 WALLS
- 36" HIGH @ 1ST FLOOR BALCONIES & 42" HIGH @ 2ND & 3RD LEVELS STEEL GUARDRAIL - RETURN TO AND ATTACH TO WALL.
- UNIT NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE OWNER SHALL COORDINATE THE BUILDING AND UNIT NUMBERS WITH THE POST OFFICE AND THE LOCAL JURISDICTION.

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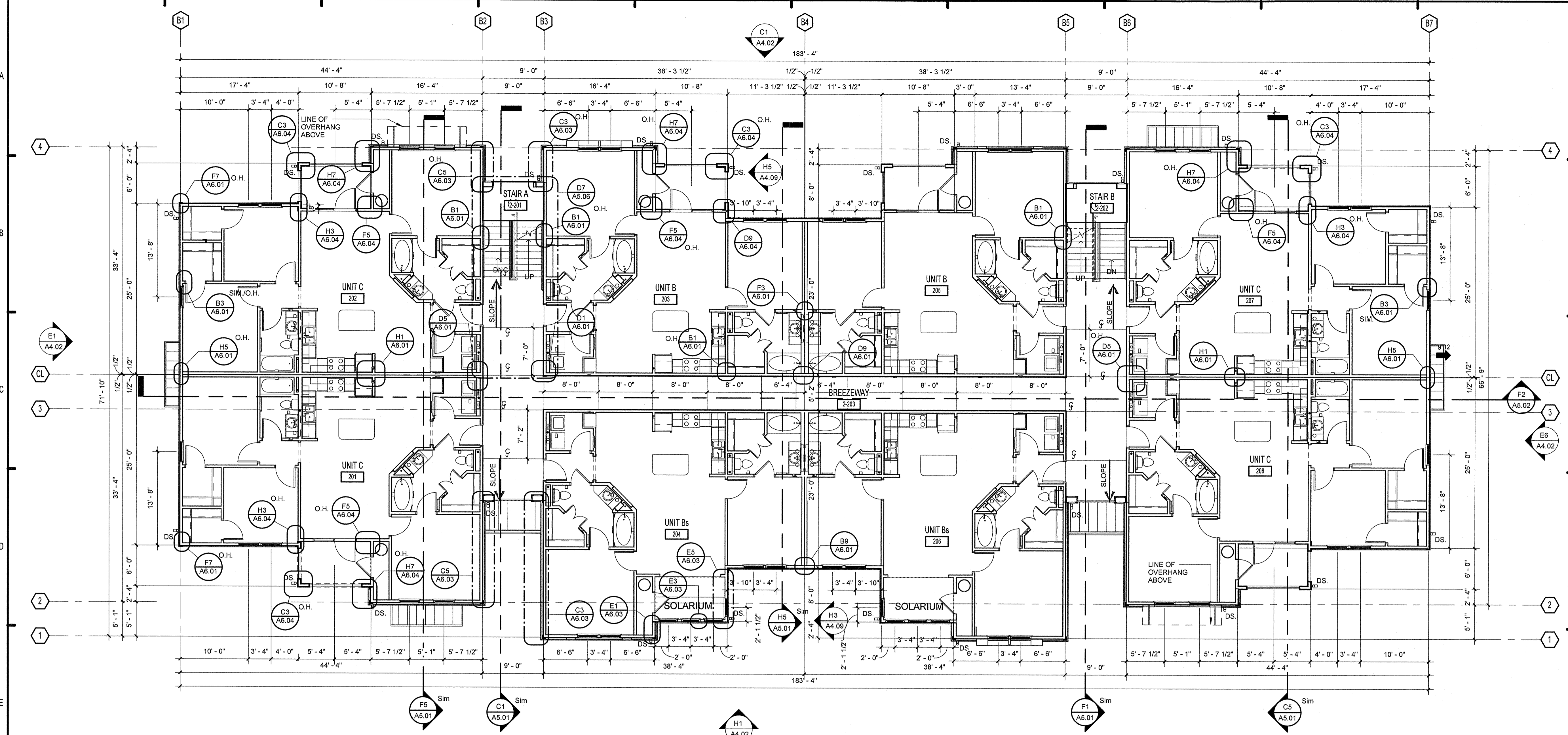
**LAKE COUNTY BUILDING DIVISION**

Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

<b>SUMMER BAY APARTMENTS</b>	Drawn: KP
Lake County, FL	Checked: KL
<b>BUILDING TYPE 2 - GROUND PLAN</b>	Approved: KL
<b>A2.05</b>	Date: 11/15/2013
	Project #: 5169

KEN LINDSEY  
FLORIDA LICENSE # AR0017385

RECEIVED DEC 30 2013




**E1 BUILDING TYPE 2 - 2ND LEVEL PLAN**  
1/8" = 1'-0"

PERMIT REVIEW		
ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
3		
4		
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REVISION HISTORY		
No.	Date	Description

**BUILDING PLAN NOTES:**

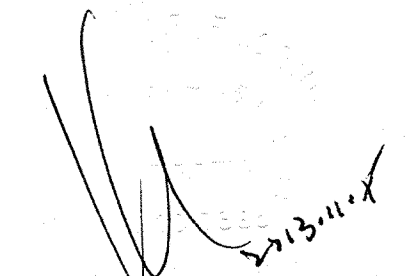
- FOR ENLARGED UNIT PLANS SEE A3.00 SERIES SHEETS.
- REFER TO LIFE SAFETY PLANS SHEETS A 0.10 THRU A 0.12 FOR RATED WALL LOCATIONS
- SEE CIVIL PLAN FOR ACTUAL FINISH FLOOR ELEVATIONS AND BUILDING ORIENTATIONS.
- VERIFY EXACT LOCATION OF FIRE EXTINGUISHER TYPE WITH FIRE OFFICIALS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- ALL WALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
- ALL WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING, UNLESS NOTED OTHERWISE.
- D.S. = 6" METAL DOWN SPOUT (TYP), UNLESS NOTED OTHERWISE, CONNECT TO CIVIL DRAIN SEE CIVIL.
- CONTRACTOR TO COORDINATE FLOOR CONTROL JOINTS IN BREEZEWAY TOPPING AT 8'-0" MAX. ON CENTER.
- 27" HIGH STEEL GUARDRAIL @ STAIR AREA - SEE A6.01
- SEE SHEET A3.10 FOR FINISH SCHEDULE INFO.
- THERMAL BATT INSULATION TO OCCUR IN ALL EXTERIOR WALL CAVITIES. MIN. R-13 BATTS IN 2X4 WALLS MIN. R-19 BATTS IN 2X6 WALLS
- 36" HIGH @ 1ST FLOOR BALCONIES & 42" HIGH @ 2ND & 3RD LEVELS STEEL GUARDRAIL - RETURN TO AND ATTACH TO WALL.
- UNIT NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE OWNER SHALL COORDINATE THE BUILDING AND UNIT NUMBERS WITH THE POST OFFICE AND THE LOCAL JURISDICTION.

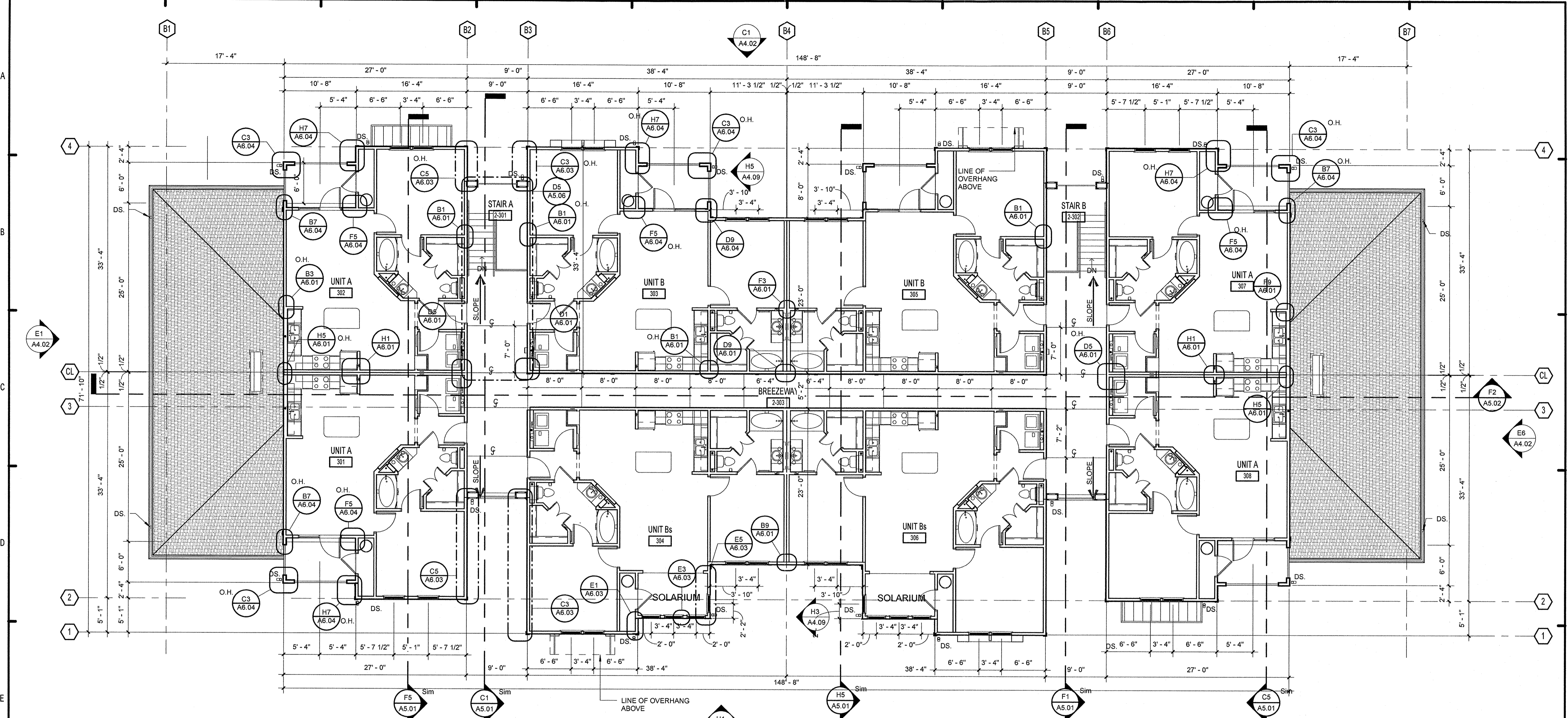
  
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**LAKE COUNTY BUILDING DIVISION**  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 1.05.4.1. Plans were reviewed for code compliance and shall be kept on job site.  
 RECEIVED DEC 04 2013

<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: <i>Author</i>
	Checked: <i>KL</i>
	Approved: <i>KL</i>
	Date: 11/15/2013
Project #	5169

<b>BUILDING TYPE 2 - 2ND LEVEL PLAN</b>	<b>A2.06</b>
---	--------------

KEN LUREMAN  
 FLORIDA LICENSE # AR0017385  




**E1 BUILDING TYPE 2 - 3RD LEVEL PLAN**  
1/8" = 1'-0"

**BUILDING PLAN NOTES:**

1. FOR ENLARGED UNIT PLANS SEE A3.00 SERIES SHEETS.
2. REFER TO LIFE SAFETY PLANS SHEETS A 0.10 THRU A 0.12 FOR RATED WALL LOCATIONS
3. SEE CIVIL PLAN FOR ACTUAL FINISH FLOOR ELEVATIONS AND BUILDING ORIENTATIONS.
4. VERIFY EXACT LOCATION OF FIRE EXTINGUISHER TYPE WITH FIRE OFFICIALS.
5. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
6. ALL WALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
7. ALL WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING. UNLESS NOTED OTHERWISE.
8. D.S. = 6" METAL DOWN SPOUT (TYP). UNLESS NOTED OTHERWISE, CONNECT TO CIVIL DRAIN, SEE CIVIL.
9. CONTRACTOR TO COORDINATE FLOOR CONTROL JOINTS IN BREEZEWAY TOPPING AT 8'-0" MAX. ON CENTER.
10. 27" HIGH STEEL GUARDRAIL @ STAIR AREA - SEE A5.01
11. SEE SHEET A3.10 FOR FINISH SCHEDULE INFO.
12. THERMAL BATT INSULATION TO OCCUR IN ALL EXTERIOR WALL CAVITIES.  
MIN. R-13 BATTS IN 2X4 WALLS  
MIN. R-19 BATTS IN 2X6 WALLS
14. 36" HIGH @ 1ST FLOOR BALCONIES & 42" HIGH @ 2ND & 3RD LEVELS STEEL GUARDRAIL - RETURN TO AND ATTACH TO WALL.
15. UNIT NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE OWNER SHALL COORDINATE THE BUILDING AND UNIT NUMBERS WITH THE POST OFFICE AND THE LOCAL JURISDICTION.

**PERMIT REVIEW**

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
3		
4		
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**REVISION HISTORY**

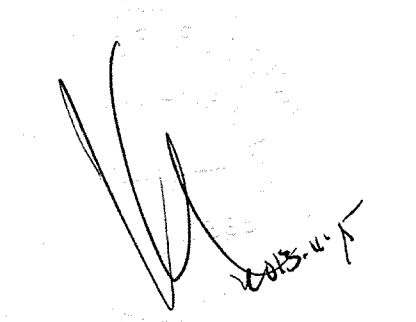
No.	Date	Description

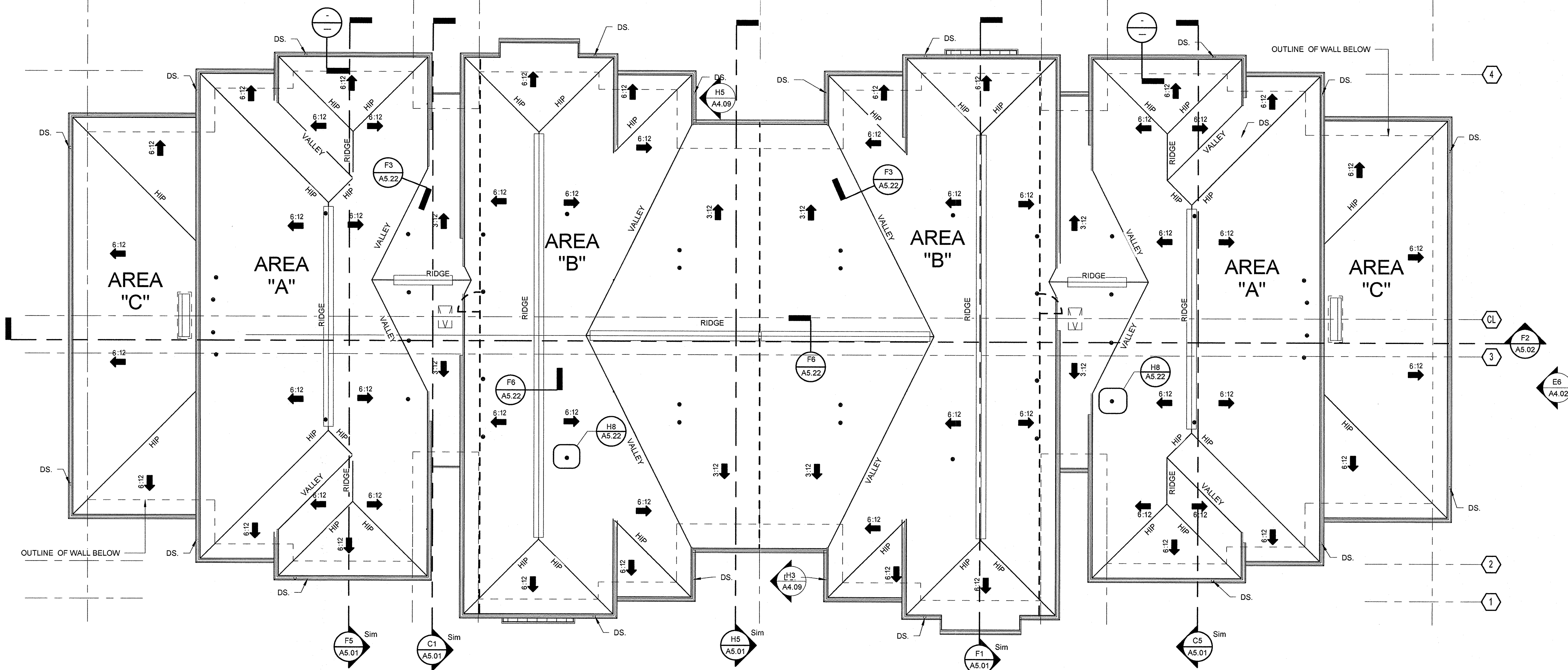
  
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 PLLC  
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**LAKE COUNTY BUILDING DIVISION**  
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<b>SUMMER BAY APARTMENTS</b> <small>Lake County, FL</small>	Drawn: KP
	Checked: KL
	Approval: KL
	Date: 11/15/2013 Project #: 5169

<b>BUILDING TYPE 2 - 3RD LEVEL PLAN</b>	<b>A2.07</b>
---	--------------

KEN LINDSEAN  
 FLORIDA LICENSE# AR0017365  




**E1** BUILDING TYPE 2 - ROOF PLAN  
1/8" = 1'-0"

ATTIC VENT CALCULATIONS AREA - A		
	REQUIRED	PROVIDED
- TOTAL ROOF AREA	2178 S.F.	
- PER FBC 2010 (1/300)	X .00333	
- VENTILATED AREA	7.26 S.F.	
- TOTAL SOFFIT LINEAR FT		158 L.F.
- OPEN NET VENT (HARDIE)	YES	X .0347
- OPEN NET VENT (TAMLYN)	NO	
- NET FREE AREA REQ'D	3.62 S.F. (60%)	5.49 S.F.
- LINEAR FEET OF VENT		30.0 L.F.
- NET RIDGE VENT AREA		X .094
- NET FREE AREA REQ'D	3.62 S.F. (60%)	3.76 S.F.

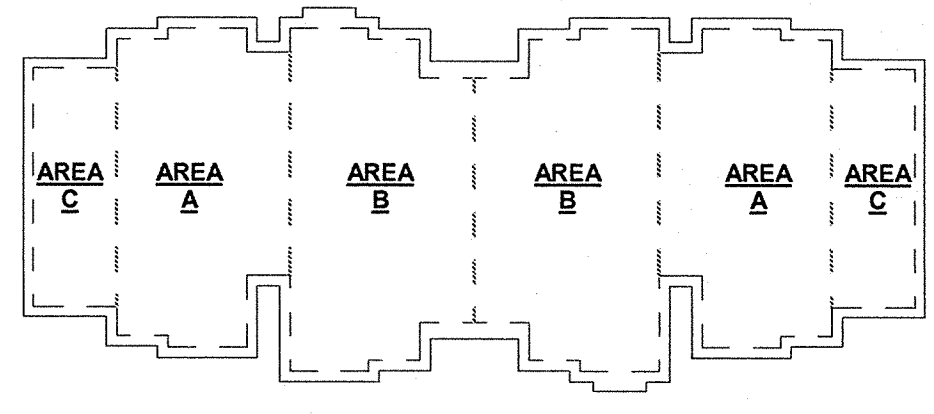
ATTIC VENT CALCULATIONS AREA - B		
	REQUIRED	PROVIDED
- TOTAL ROOF AREA	2476 S.F.	
- PER FBC 2010 (1/300)	X .00333	
- VENTILATED AREA	8.25 S.F.	
- TOTAL SOFFIT LINEAR FT		122 L.F.
- OPEN NET VENT (HARDIE)	YES	X .0347
- OPEN NET VENT (TAMLYN)	NO	
- NET FREE AREA REQ'D	4.13 S.F. (60%)	4.41 S.F.
- LINEAR FEET OF VENT		78.0 L.F.
- NET RIDGE VENT AREA		X .094
- NET FREE AREA REQ'D	4.13 S.F. (60%)	9.76 S.F.

ATTIC VENT CALCULATIONS AREA - C		
	REQUIRED	PROVIDED
- TOTAL ROOF AREA	874 S.F.	
- PER FBC 2010 (1/300)	X .00333	
- VENTILATED AREA	2.91 S.F.	
- TOTAL SOFFIT LINEAR FT		85 L.F.
- OPEN NET VENT (HARDIE)	YES	X .0347
- OPEN NET VENT (TAMLYN)	NO	
- NET FREE AREA REQ'D	1.46 S.F. (60%)	2.95 S.F.
- LINEAR FEET OF VENT		0 L.F.
- NET RIDGE VENT AREA		X .094
- OFF RIDGE VENT (6'-0" LONG)		1 @ 6'-0" = 1.46 SF
- NET FREE AREA REQ'D	1.46 S.F. (60%)	1.46 S.F.

VENT MATERIALS		
SOFFIT VENT at EAVE	HARDIE VENTED SOFFIT	0.0347 net sq. ft./lin ft. net sq. in./lin ft.
SOFFIT VENT at EAVE	TAMLYN VENTED SOFFIT 2" EZ VENT	0.0625 net sq. ft./lin ft. net sq. in./lin ft.
RIDGE VENT at UPPER PORTION	OWENS CORNING VENT SURE MIN. DESIGN	0.125 net sq. ft./lin ft. net sq. in./lin ft.
OFF RIDGE VENT	TAMCO OFF RIDGE VENT 6'-0" LONG	1.46 net sq. ft. net sq. in.

- ROOF NOTES:**
- PAINT ALL ROOF VENTS & PENETRATIONS TO MATCH ROOF COLOR
  - LEAVE OPENING IN MAIN ROOF SHEATHING FOR VENTILATION UNDERNEATH OVER BUILT AREAS.
  - CONTRACTOR SHALL BE RESPONSIBLE TO MEET MINIMUM ROOF VENT REQUIREMENTS
  - FOR DIVERter DETAILS AND INSTRUCTIONS, REFER TO A5.11
  - GENERAL CONTRACTOR SHALL COORDINATE ALL ROOF ACCESSORIES INSTALLATION DETAILS PER MANUFACTURERS SPEC'S TO MAINTAIN THE WATERTIGHT SYSTEM & EXTENDED WATERPROOFING WARRANTY.

- ROOF LEGEND:**
- ATTIC DRAFTSTOP, 3/8" MIN. WOOD STRUCTURAL PANEL OR 5/8" GYP. BD. ATTACHED TO ONE SIDE OF ROOF TRUSS
  - REMOVABLE ACCESS PANEL, MIN. 36" X 36". SEE DETAIL B3/A5.08
  - 1HR. FIRE RATED ATTIC ACCESS PANEL, MIN. 22" X 36". COORDINATE WITH ROOF TRUSSES
  - RIDGE VENT
  - RIDGE CAP
  - D.S. DOWNSPOUT
  - MECH. PIPE PENETRATION SEE D1/A5.10



**BUILDING 2 KEY PLAN**  
1" = 40'-0"

**PERMIT REVIEW**

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**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
3		
4		
5		

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**REVISION HISTORY**

No.	Date	Description

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**LAKE COUNTY BUILDING DIVISION**  
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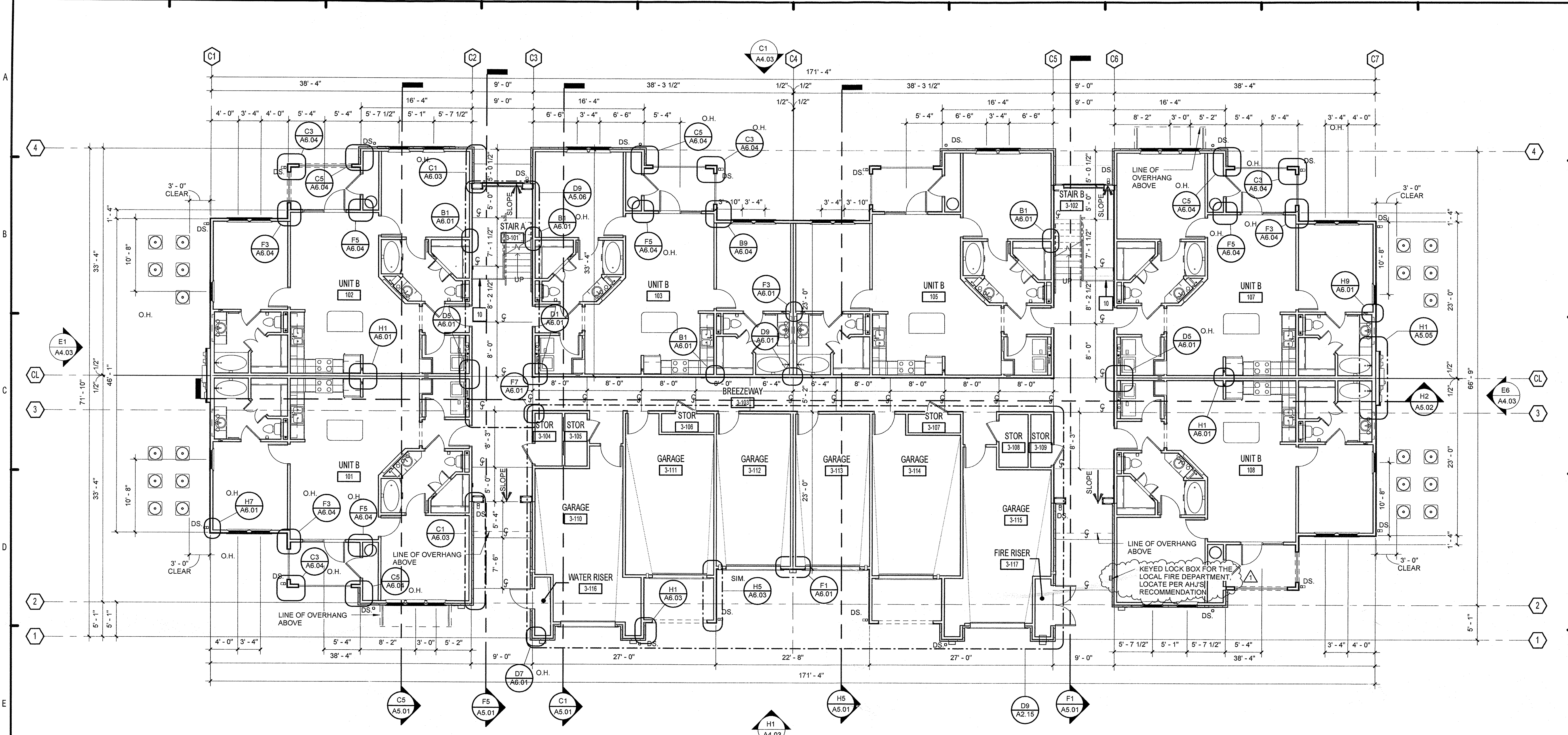
RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn: KP  
Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5169

**BUILDING TYPE 2 - ROOF PLANS**  
A2.08

KEN LINEMAN  
FLORIDA LICENSE AR0017385



**E1 BUILDING TYPE 3 - GROUND LEVEL**  
1/8" = 1'-0"

**FINISH SCHEDULE - COMMON BUILDING AREAS - TYPE 3**

MARK	SPACE DESIGNATION	FLOOR MATERIAL	BASE MATERIAL	WALLS								CEILING		REMARKS
				NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH			
3-101	STAIR A	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
3-102	STAIR B	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
3-103	BREEZEWAY	CONC	FCT	SIDING	PNT	SIDING	PNT	SIDING	PNT	SIDING	PNT	GWB	PNT	
3-104	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-105	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-106	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-107	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-108	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-109	STOR	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-110	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-111	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-112	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-113	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-114	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-115	GARAGE	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-116	WATER RISER	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-117	FIRE RISER	CONC	--	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
3-201	STAIR A	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
3-202	STAIR B	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
3-203	BREEZEWAY	CONC	FCT	SIDING	PNT	SIDING	PNT	SIDING	PNT	SIDING	PNT	GWB	PNT	
3-301	STAIR A	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
3-302	STAIR B	CONC	FCT	-OPEN-	--	SIDING	PNT	-OPEN-	--	SIDING	PNT	GWB	PNT	
3-303	BREEZEWAY	CONC	FCT	SIDING	PNT	SIDING	PNT	SIDING	PNT	SIDING	PNT	GWB	PNT	

NOTE:  
SEE SHEET A3.12 FOR SPECIFIC  
UNIT FINISH INFORMATION

**BUILDING PLAN NOTES:**

- FOR ENLARGED UNIT PLANS SEE A3.00 SERIES SHEETS.
- REFER TO LIFE SAFETY PLANS SHEETS A 0.10 THRU A 0.12 FOR RATED WALL LOCATIONS
- SEE CIVIL PLAN FOR ACTUAL FINISH FLOOR ELEVATIONS AND BUILDING ORIENTATIONS.
- VERIFY EXACT LOCATION OF FIRE EXTINGUISHER TYPE WITH FIRE OFFICIALS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- ALL WALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
- ALL WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING, UNLESS NOTED OTHERWISE.
- D.S. = 6" METAL DOWN SPOUT (TYP), UNLESS NOTED OTHERWISE, CONNECT TO CIVIL DRAIN, SEE CIVIL.
- CONTRACTOR TO COORDINATE FLOOR CONTROL JOINTS IN BREEZEWAY TOPPING AT 8'-0" MAX. ON CENTER.
- 27" HIGH STEEL GUARDRAIL @ STAIR AREA - SEE A5.01
- SEE SHEET A3.10 FOR FINISH SCHEDULE INFO.
- THERMAL BATT INSULATION TO OCCUR IN ALL EXTERIOR WALL CAVITIES. MIN. R-13 BATTS IN 2X4 WALLS. MIN. R-19 BATTS IN 2X6 WALLS
- 36" HIGH @ 1ST FLOOR BALCONIES & 42" HIGH @ 2ND & 3RD LEVELS STEEL GUARDRAIL - RETURN TO AND ATTACH TO WALL.
- UNIT NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE OWNER SHALL COORDINATE THE BUILDING AND UNIT NUMBERS WITH THE POST OFFICE AND THE LOCAL JURISDICTION.

PERMIT REVIEW		
ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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REVISION HISTORY		
No.	Date	Description
1	12/23/2013	PERMIT COMMENTS #1

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PLLC

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**LAKE COUNTY BUILDING DIVISION**

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**SUMMER BAY APARTMENTS**

Lake County, FL

Drawn: KP

Checked: KL

Approved: KL

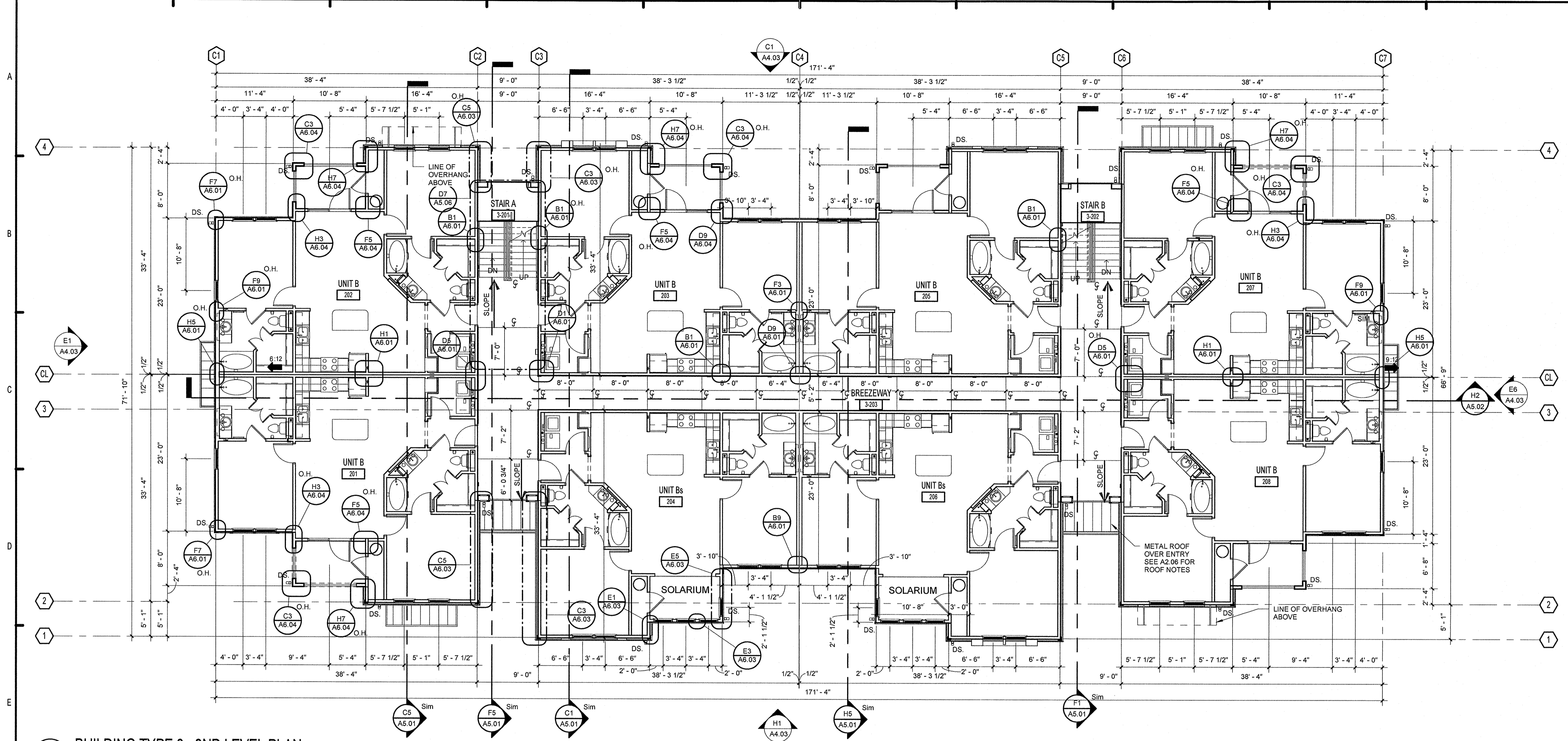
Date: 11/15/2013

Project #: 5169

**BUILDING TYPE 3 - GROUND LEVEL PLAN**

**A2.09**

RECEIVED DEC 30 2013




**E1 BUILDING TYPE 3 - 2ND LEVEL PLAN**  
1/8" = 1'-0"

**BUILDING PLAN NOTES:**

1. FOR ENLARGED UNIT PLANS SEE A3.00 SERIES SHEETS.
2. REFER TO LIFE SAFETY PLANS SHEETS A 0.10 THRU A 0.12 FOR RATED WALL LOCATIONS
3. SEE CIVIL PLAN FOR ACTUAL FINISH FLOOR ELEVATIONS AND BUILDING ORIENTATIONS.
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10. 27" HIGH STEEL GUARDRAIL @ STAIR AREA - SEE A5.01
11. SEE SHEET A3.10 FOR FINISH SCHEDULE INFO.
12. THERMAL BATT INSULATION TO OCCUR IN ALL EXTERIOR WALL CAVITIES.  
MIN. R-13 BATTS IN 2X4 WALLS  
MIN. R-19 BATTS IN 2X6 WALLS
14. 36" HIGH @ 1ST FLOOR BALCONIES & 42" HIGH @ 2ND & 3RD LEVELS STEEL GUARDRAIL - RETURN TO AND ATTACH TO WALL.
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<b>REVISION HISTORY</b>		
No.	Date	Description



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**SUMMER BAY APARTMENTS**

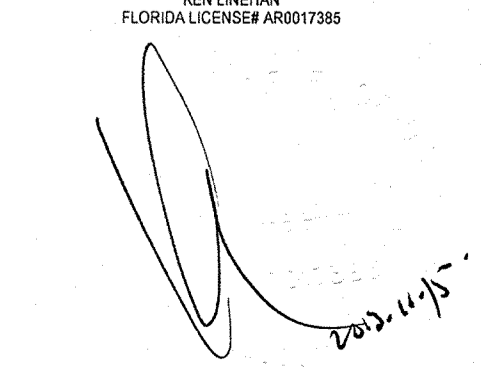
Lake County, FL

Drawn	Author
Checked	KL
Approved	KL
Date	11/15/2013
Project #	5169

**BUILDING TYPE 3 - 2ND LEVEL PLAN**

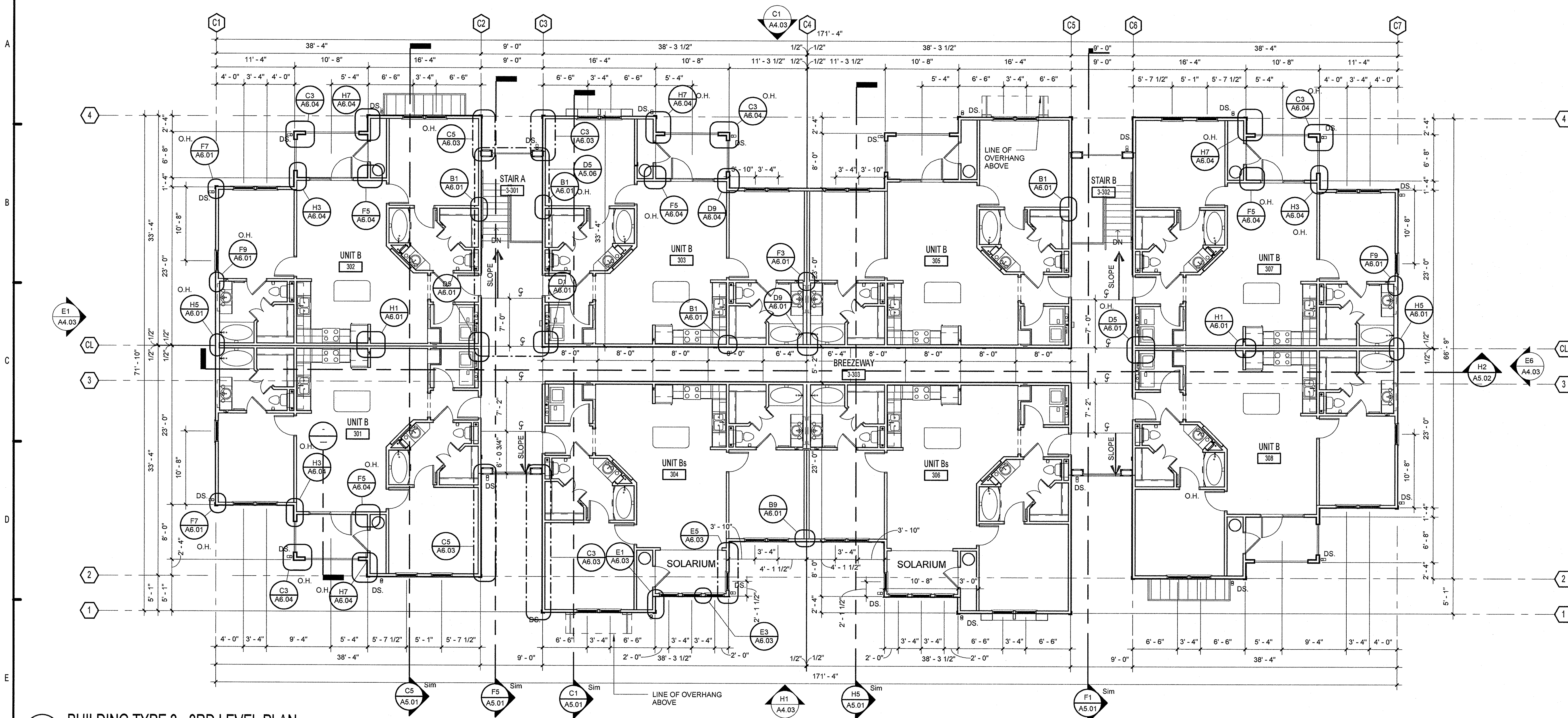
**A2.10**

KEN LINEMAN  
FLORIDA LICENSE #AR0017385



2013.11.15

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**E1** BUILDING TYPE 3 - 3RD LEVEL PLAN  
1/8" = 1'-0"

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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No.	Date	Description

**BUILDING PLAN NOTES:**

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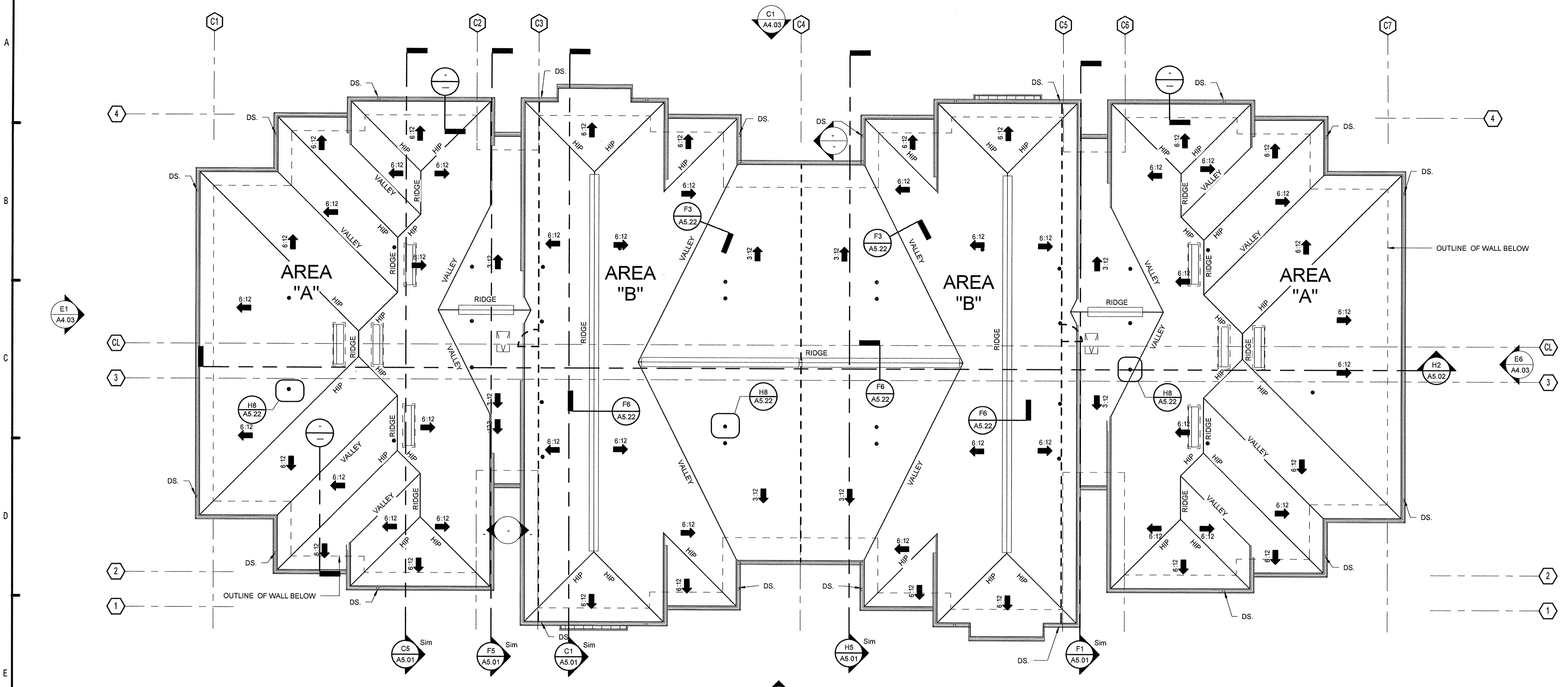
**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn	KP
Checked	KL
Approved	KL
Date	11/15/2013
Project #	5169

**BUILDING TYPE 3 - 3RD LEVEL PLAN** **A2.11**

KEN LINEMAN  
FLORIDA LICENSE #AR0017395





**E1 BUILDING TYPE 3 - ROOF PLAN**  
1/8" = 1'-0"

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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**REVISION HISTORY**

No.	Date	Description

ATTIC VENT CALCULATIONS AREA - A		
	REQUIRED	PROVIDED
- TOTAL ROOF AREA	2701 S.F.	
- PER FBC 2010 (1/300)	X .00333	
- VENTILATED AREA	9.00 S.F.	
- TOTAL SOFFIT LINEAR FT		182 L.F.
- OPEN NET VENT (HARDIE)	YES	X .0347
- OPEN NET VENT (TAMLYN)	NO	
- NET FREE AREA REQ'D	4.50 S.F. (50%)	6.32 S.F.
- LINEAR FEET OF VENT		0.00 L.F.
- NET RIDGE VENT AREA		X .094
- OFF RIDGE VENT (6'-0" LONG)		4 @ 6'-0" = 5.83 SF
- NET FREE AREA REQ'D	4.50 S.F. (50%)	5.83 S.F.

ATTIC VENT CALCULATIONS AREA - B		
	REQUIRED	PROVIDED
- TOTAL ROOF AREA	2476 S.F.	
- PER FBC 2010 (1/300)	X .00333	
- VENTILATED AREA	8.25 S.F.	
- TOTAL SOFFIT LINEAR FT		122 L.F.
- OPEN NET VENT (HARDIE)	YES	X .0347
- OPEN NET VENT (TAMLYN)	NO	
- NET FREE AREA REQ'D	4.13 S.F. (50%)	4.41 S.F.
- LINEAR FEET OF VENT		78.0 L.F.
- NET RIDGE VENT AREA		X .094
- NET FREE AREA REQ'D	4.13 S.F. (50%)	9.75 S.F.

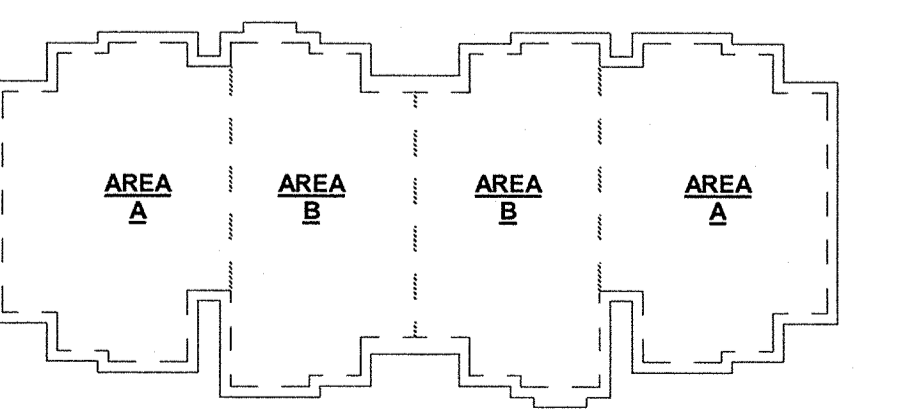
VENT MATERIALS			
SOFFIT VENT at EAVE	HARDIE VENTED SOFFIT	0.0347	net sq. ft./lin ft. net sq. in./lin ft.
SOFFIT VENT at EAVE	TAMLYN VENTED SOFFIT 2" EZ VENT	0.0625	net sq. ft./lin ft. net sq. in./lin ft.
RIDGE VENT at UPPER PORTION	OWENS CORNING VENT SURE MIN. DESIGN	0.125	net sq. ft./lin ft. net sq. in./lin ft.
OFF RIDGE VENT	TAMCO OFF RIDGE VENT 6'-0" LONG	1.46	net sq. ft. net sq. in.
		210	

**ROOF NOTES:**

- PAINT ALL ROOF VENTS & PENETRATIONS TO MATCH ROOF COLOR.
- LEAVE OPENINGS IN MAIN ROOF SHEATHING FOR VENTILATION UNDERNEATH OVER BUILT AREAS.
- CONTRACTOR SHALL BE RESPONSIBLE TO MEET MINIMUM ROOF VENT REQUIREMENTS.
- FOR DIVERTER DETAILS AND INSTRUCTIONS, REFER TO A5.11
- GENERAL CONTRACTOR SHALL COORDINATE ALL ROOF ACCESSORIES INSTALLATION DETAILS PER MANUFACTURERS SPECS TO MAINTAIN THE WATERTIGHT SYSTEM & EXTENDED WATERPROOFING WARRANTY.

**ROOF LEGEND:**

- ATTIC DRAFTSTOP, 3/8" MIN. WOOD STRUCTURAL PANEL OR 5/8" GYP. BD. ATTACHED TO ONE SIDE OF ROOF TRUSS
- REMOVABLE ACCESS PANEL, MIN. 36" X 36", SEE DETAIL B3/A5.06
- 1HR. FIRE RATED ATTIC ACCESS PANEL, MIN. 22" X 36". COORDINATE WITH ROOF TRUSSES
- RIDGE VENT
- RIDGE CAP
- D.S. DOWNSPOUT
- MECH. PIPE PENETRATION SEE D1/A5.10



**BUILDING 3 KEY PLAN**  
1" = 40'-0"



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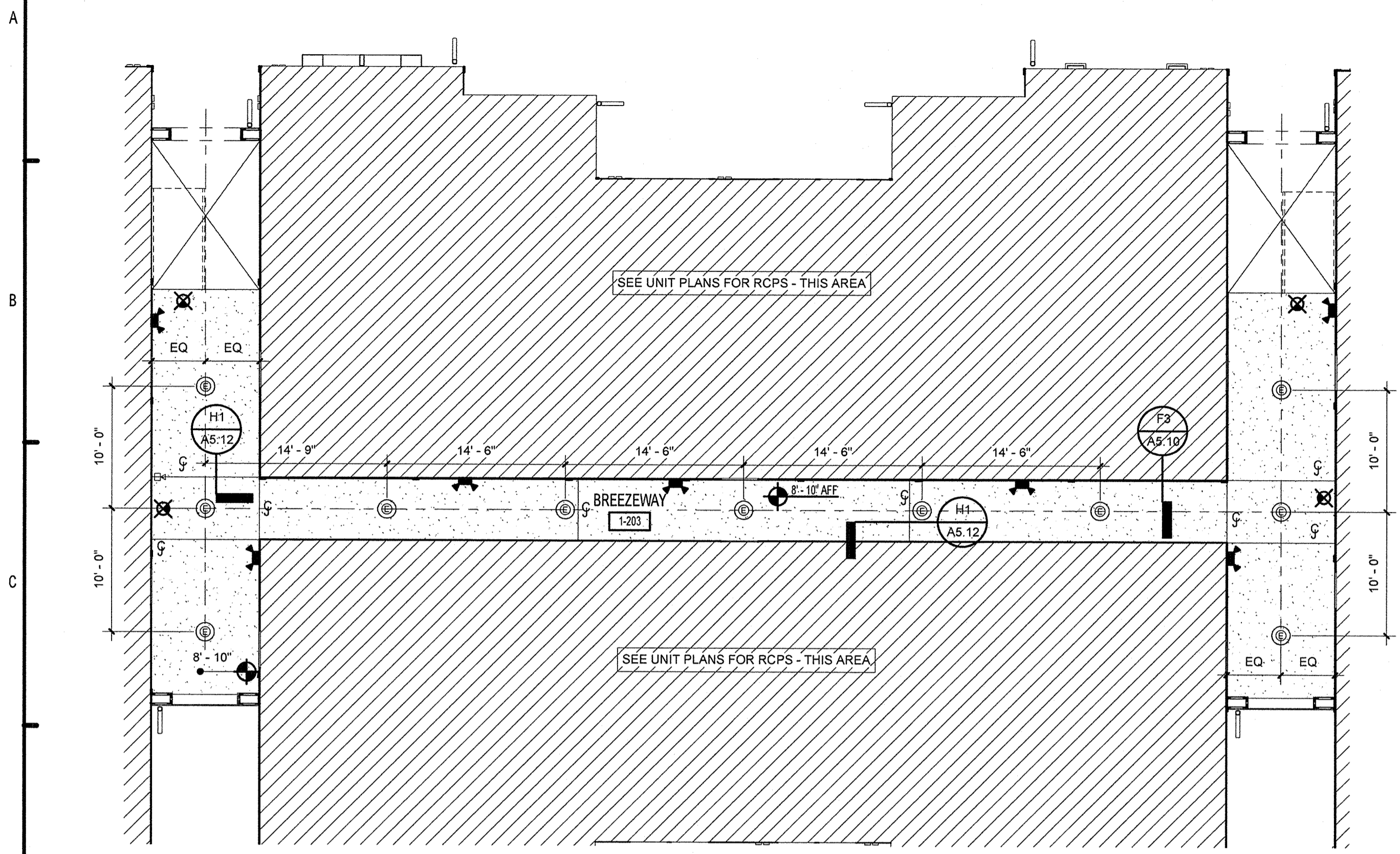
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Lake County, FL

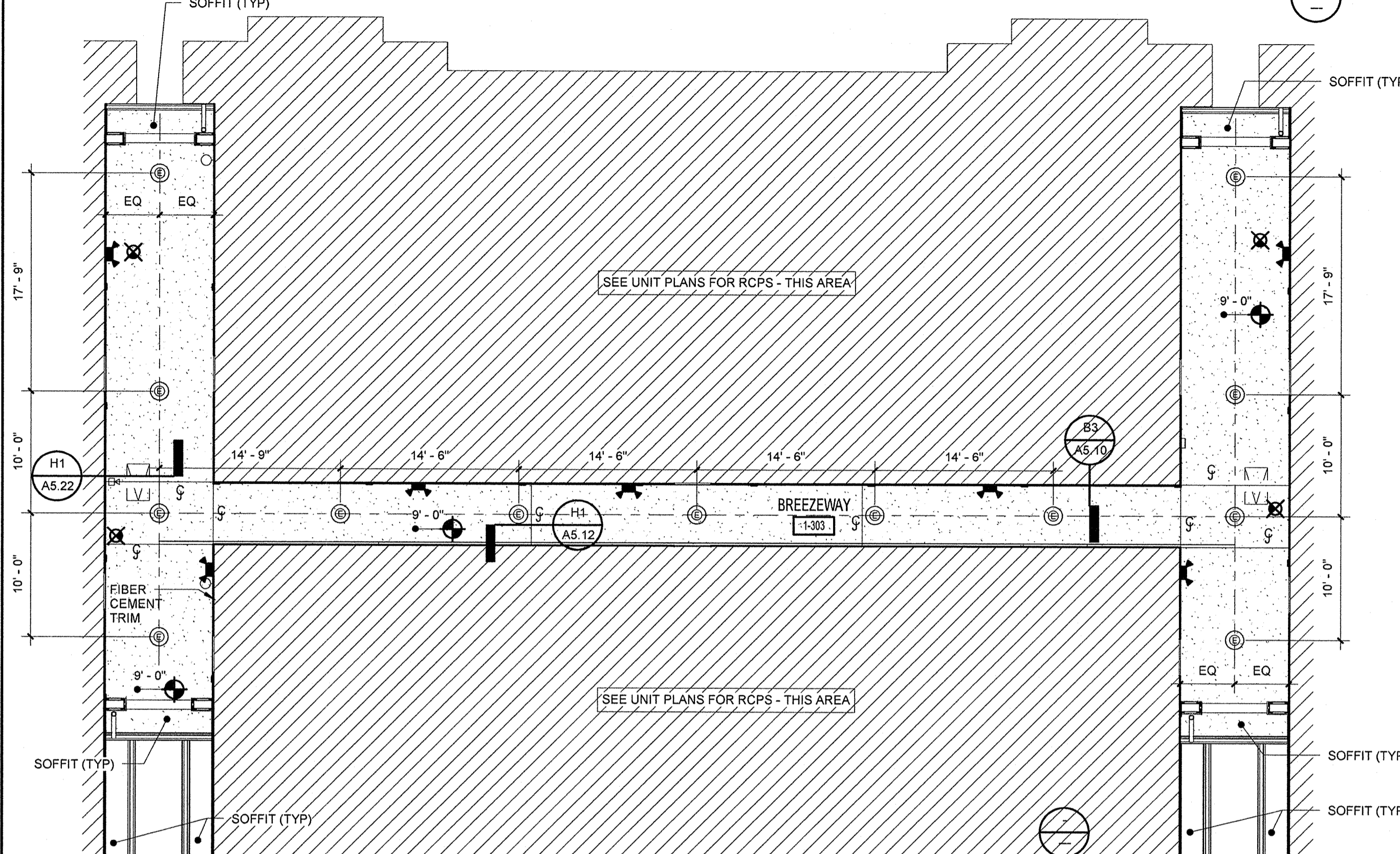
Drawn: KP  
Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5169

**BUILDING TYPE 3 - ROOF PLAN** A2.12

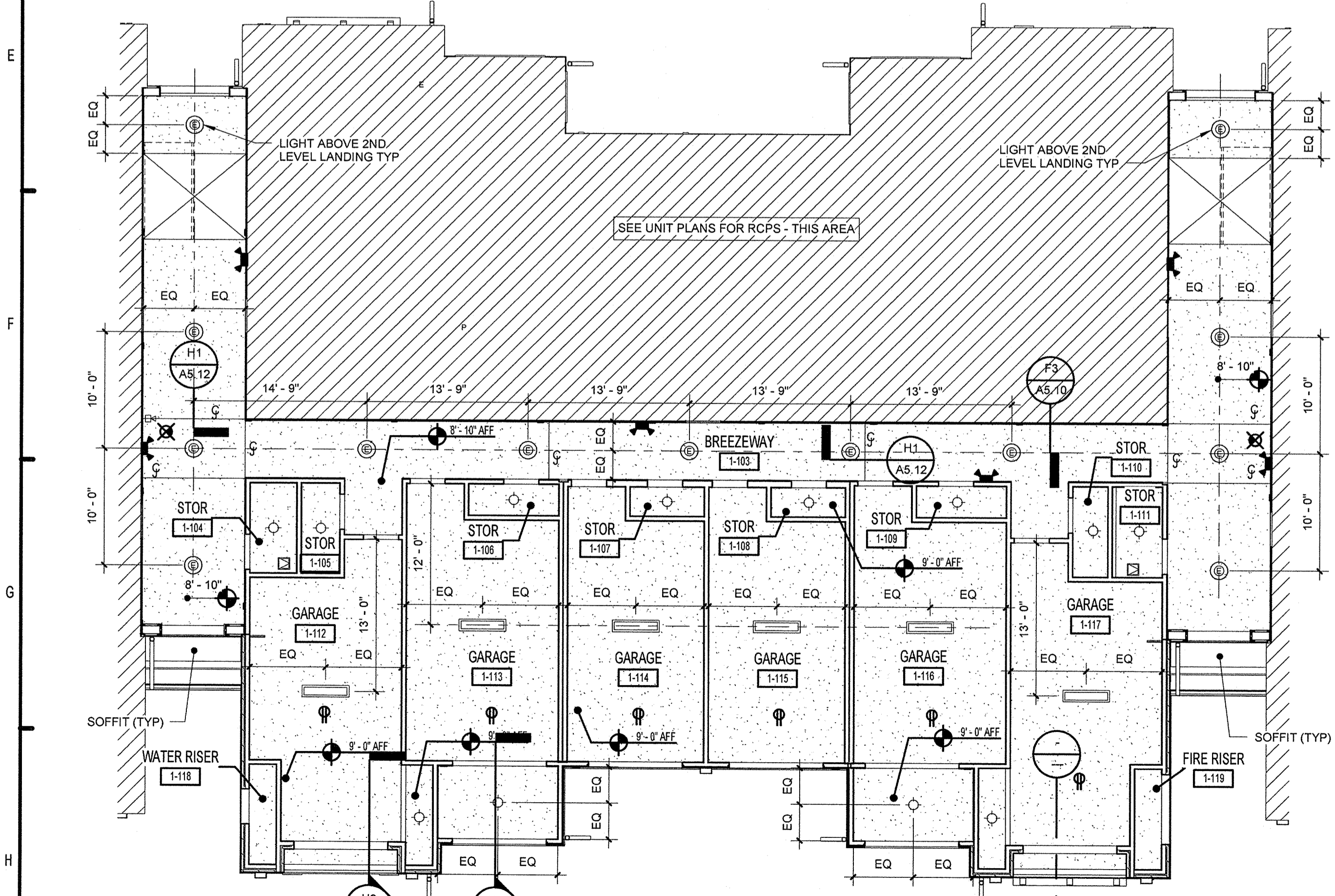
KEN LINEHAN  
FLORIDA LICENSE # AR0017385



**D1** BLDG 1 BREEZEWAY RCP - LEVEL 2  
1/8" = 1'-0"



**D2** BLDG 1 BREEZEWAY RCP - LEVEL 3  
1/8" = 1'-0"



**H1** BLDG 1 BREEZEWAY RCP - GROUND LEVEL  
1/8" = 1'-0"

**RCP LEGEND**

NOTE: RCP DIMS ARE FROM FINISH FACE OF WALL

- EXIT LIGHT
- RECESSED CAN LIGHT
- CEILING MOUNTED LIGHT
- EXTERIOR CEILING MOUNTED LIGHT
- SPRINKLER HEAD - CEILING MOUNTED
- SPRINKLER HEAD - SIDEWALL
- EMERGENCY LIGHT - SIDEWALL
- FLUORESCENT STRIP LIGHT
- COMBINATION AUDIBLE / VISUAL DEVICE - FIRE ALARM
- SPRINKLER HEAD - RECESSED PENDENT
- SPRINKLER HEAD - RECESSED SIDEWALL
- CEILING FAN
- FIXTURE VANITY LIGHT - WALL MOUNTED
- EXTERIOR LIGHT - WALL MOUNTED
- EXHAUST FAN - CEILING MOUNTED
- SQUARE SUPPLY DIFFUSER - CEILING MOUNTED
- SQUARE RETURN DIFFUSER - CEILING MOUNTED
- SUPPLY DIFFUSER - WALL MOUNTED
- EXHAUST FAN - WALL MOUNTED
- THRU-WALL GRILL
- TRACK LIGHT FIXTURE - CEILING MOUNTED
- 22 X 36 ATTIC ACCESS PANEL
- OUTLET - SEE ELECTRICAL

**PERMIT REVIEW**

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**LAKE COUNTY BUILDING DIVISION**  
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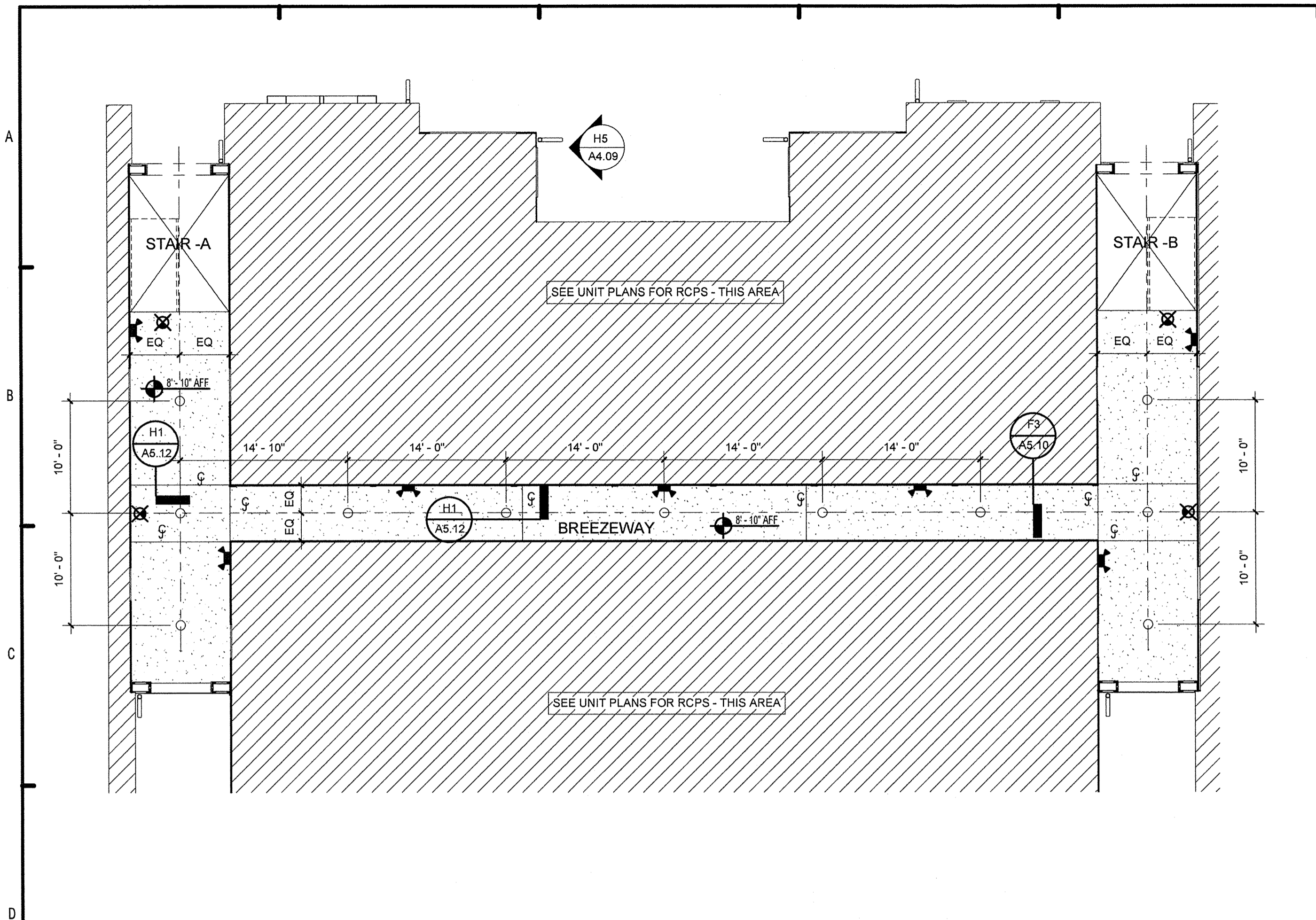
**SUMMER BAY APARTMENTS**  
Lake County, FL

**BREEZEWAY RCP BUILDING 1**

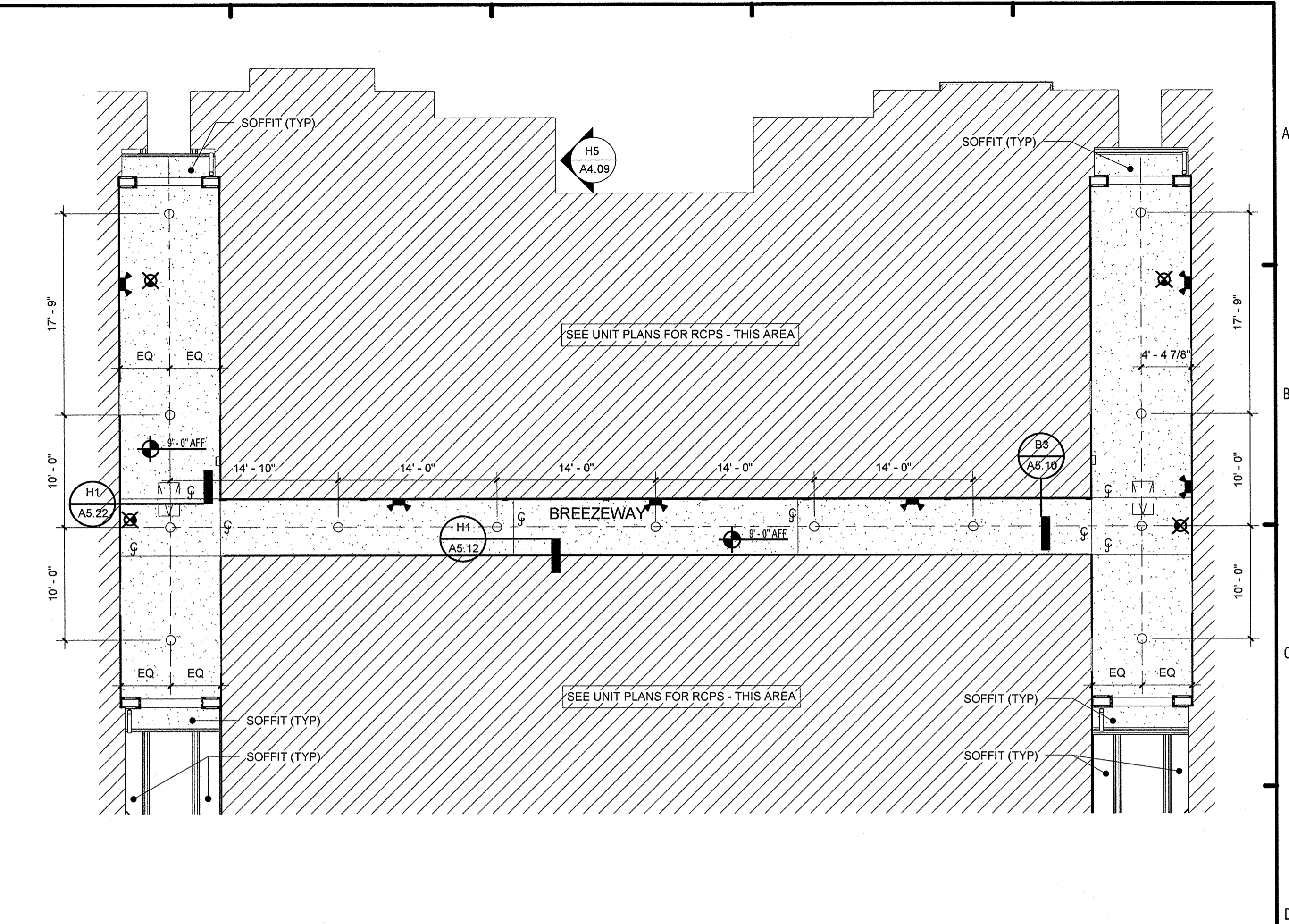
A2.13	Drawn: KP Checked: KL Approved: KL Date: 11/15/2013 Project #: \$168
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HEN LINDSEY  
FLORIDA LICENSE # AR0017385

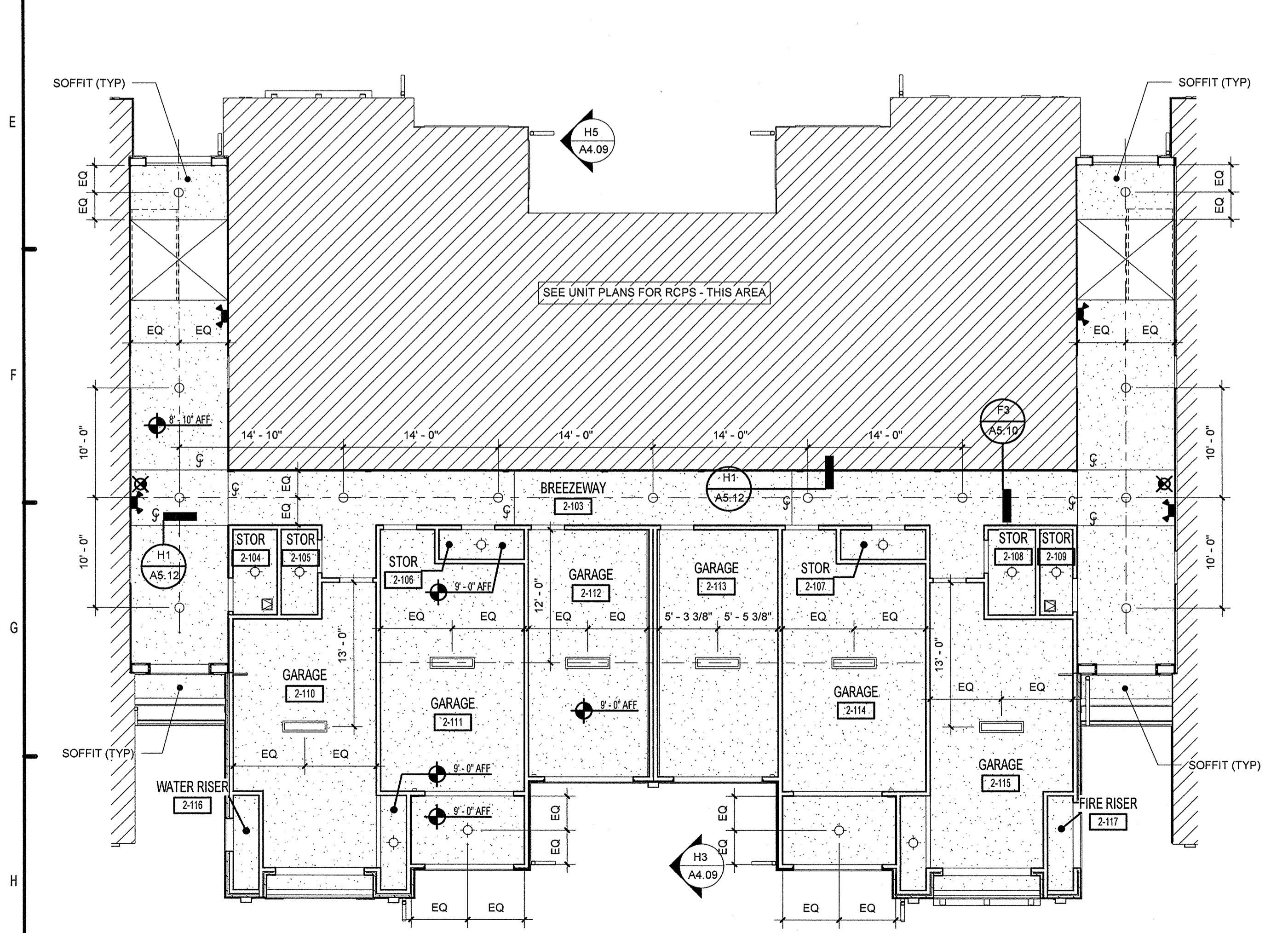
*[Signature]*  
2013.11.15



**D1** BLDG 2&3 BREEZEWAY RCP - LEVEL 2  
1/8" = 1'-0"



**D2** BLDG 2&3 BREEZEWAY RCP - LEVEL 3  
1/8" = 1'-0"



**H1** BLDG 2&3 BREEZEWAY RCP - GROUND LEVEL  
1/8" = 1'-0"

- RCP LEGEND**  
NOTE: RCP DIMS ARE FROM FINISH FACE OF WALL
- EXIT LIGHT
  - RECESSED CAN LIGHT
  - CEILING MOUNTED LIGHT
  - EXTERIOR CEILING MOUNTED LIGHT
  - SPRINKLER HEAD - CEILING MOUNTED
  - SPRINKLER HEAD - SIDEWALL
  - EMERGENCY LIGHT - SIDEWALL
  - FLORESCENT STRIP LIGHT
  - COMBINATION AUDIBLE / VISUAL DEVICE - FIRE ALARM
  - SPRINKLER HEAD - RECESSED PENDENT
  - SPRINKLER HEAD - RECESSED SIDEWALL
  - CEILING FAN
  - FIXTURE VANITY LIGHT - WALL MOUNTED
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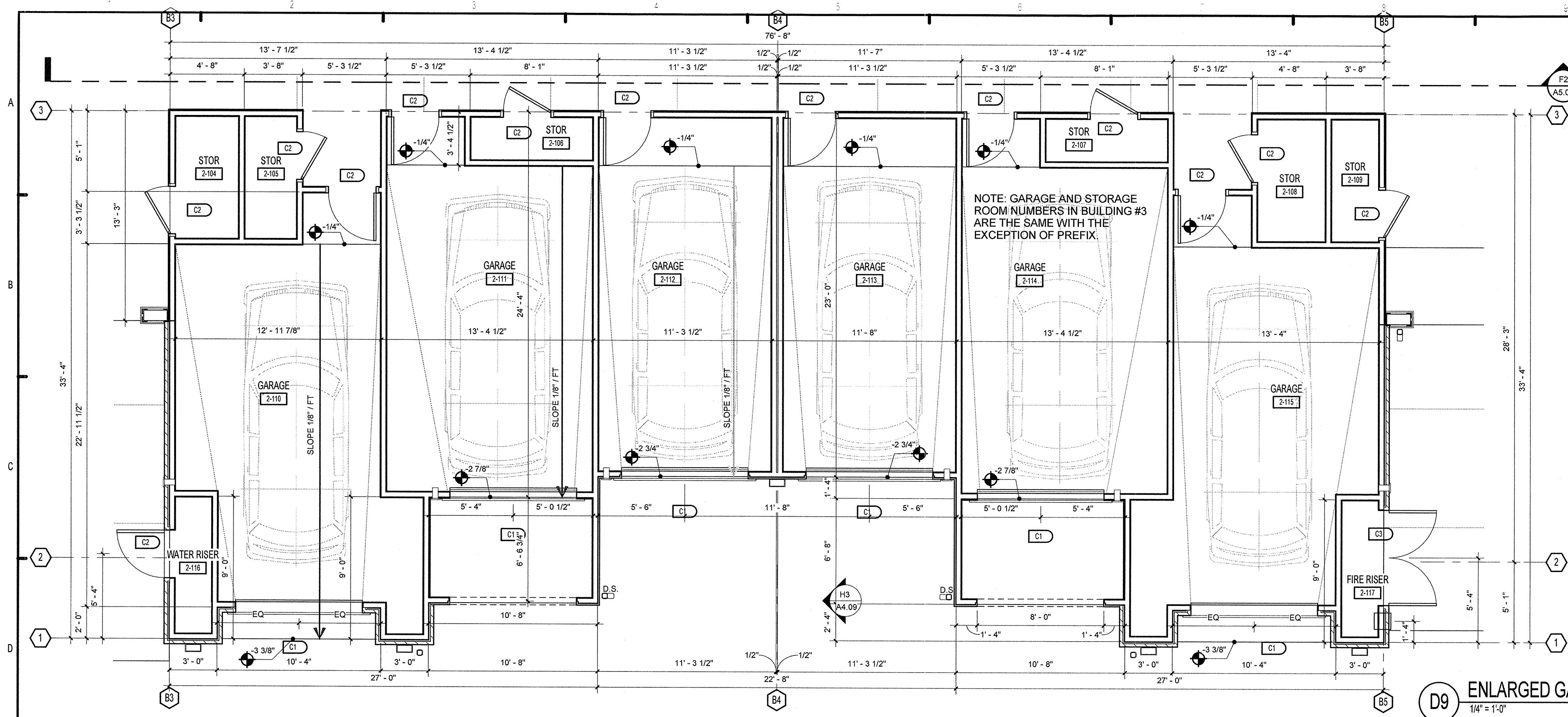
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<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: <u>KL</u> Checked: <u>KL</u> Approval: <u>KL</u> Date: 11/15/2013 Project #: 5189
<b>BREEZEWAY RCP BUILDING 2 AND 3</b>	<b>A2.14</b>

KEN LINEMAN  
FLORIDA LICENSE # AR0117385

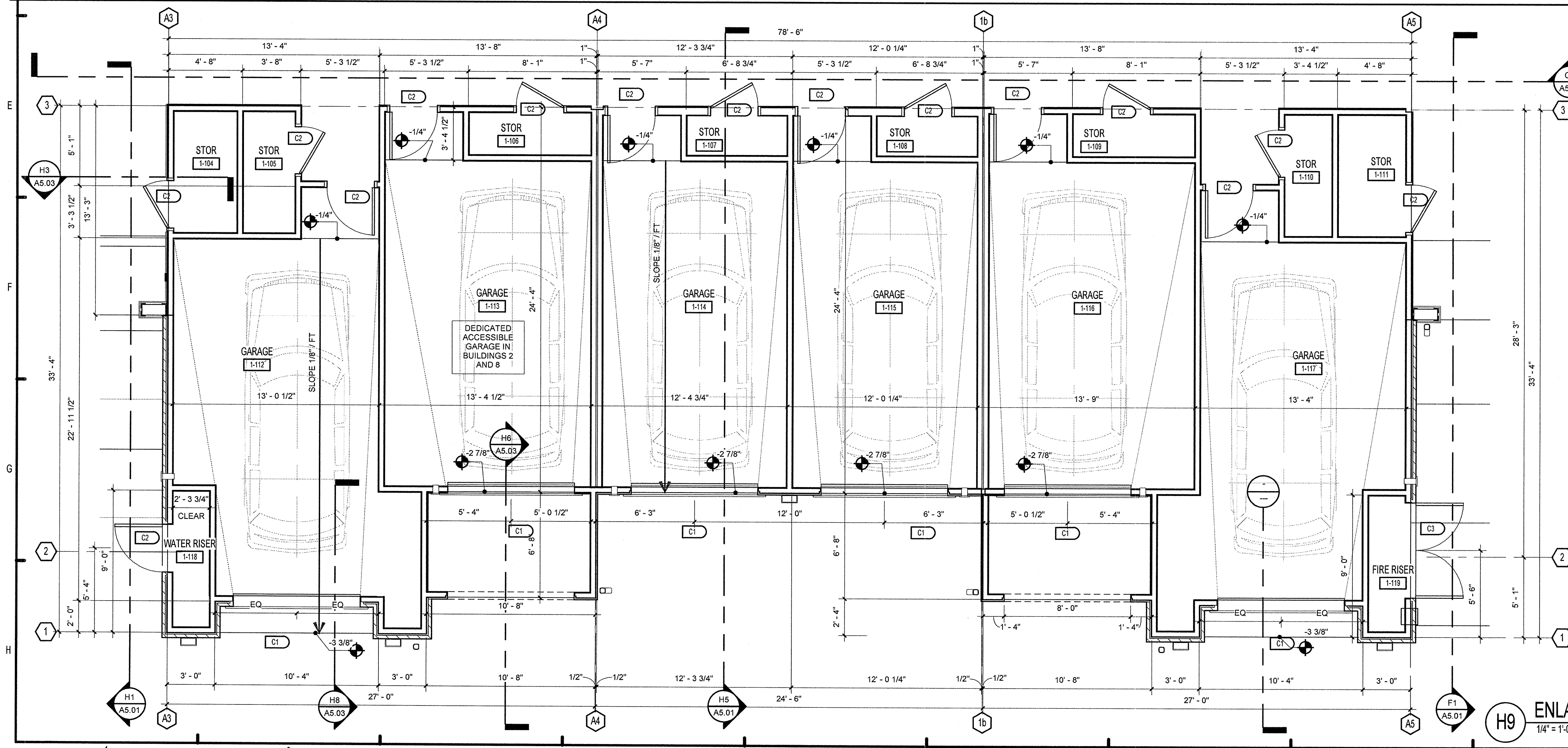
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**D9 ENLARGED GARAGE PLAN BLDG-2 AND 3**  
1/4" = 1'-0"  
E1/A2.05

**BUILDING PLAN NOTES:**

- FOR ENLARGED UNIT PLANS SEE A3.00 SERIES SHEETS.
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- SEE SHEET A3.10 FOR FINISH SCHEDULE INFO.
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**H9 ENLARGED GARAGE PLAN BLDG-1**  
1/4" = 1'-0"  
E1/A2.01

**PERMIT REVIEW**

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1	11/15/2013	ISSUE FOR PERMIT
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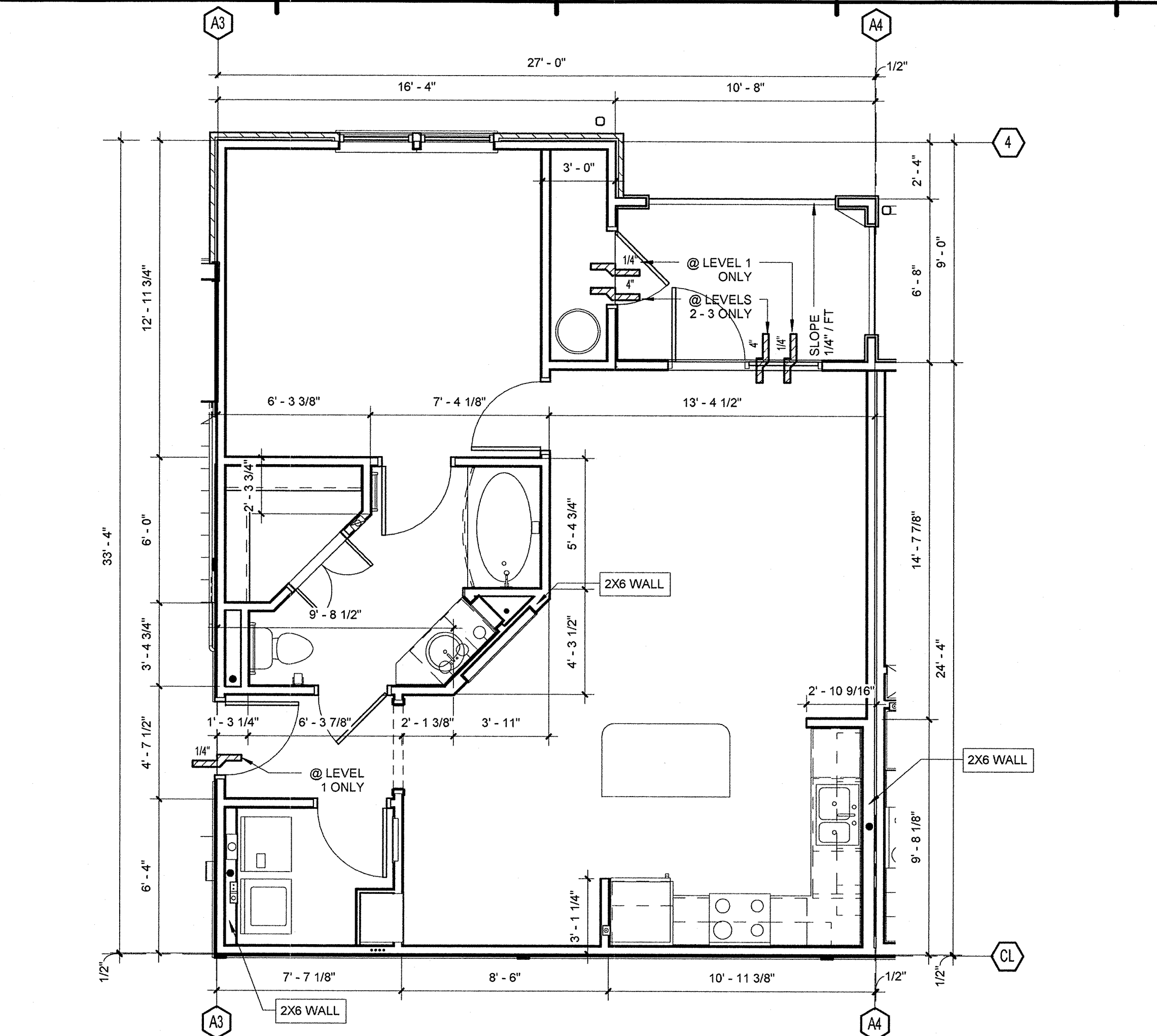
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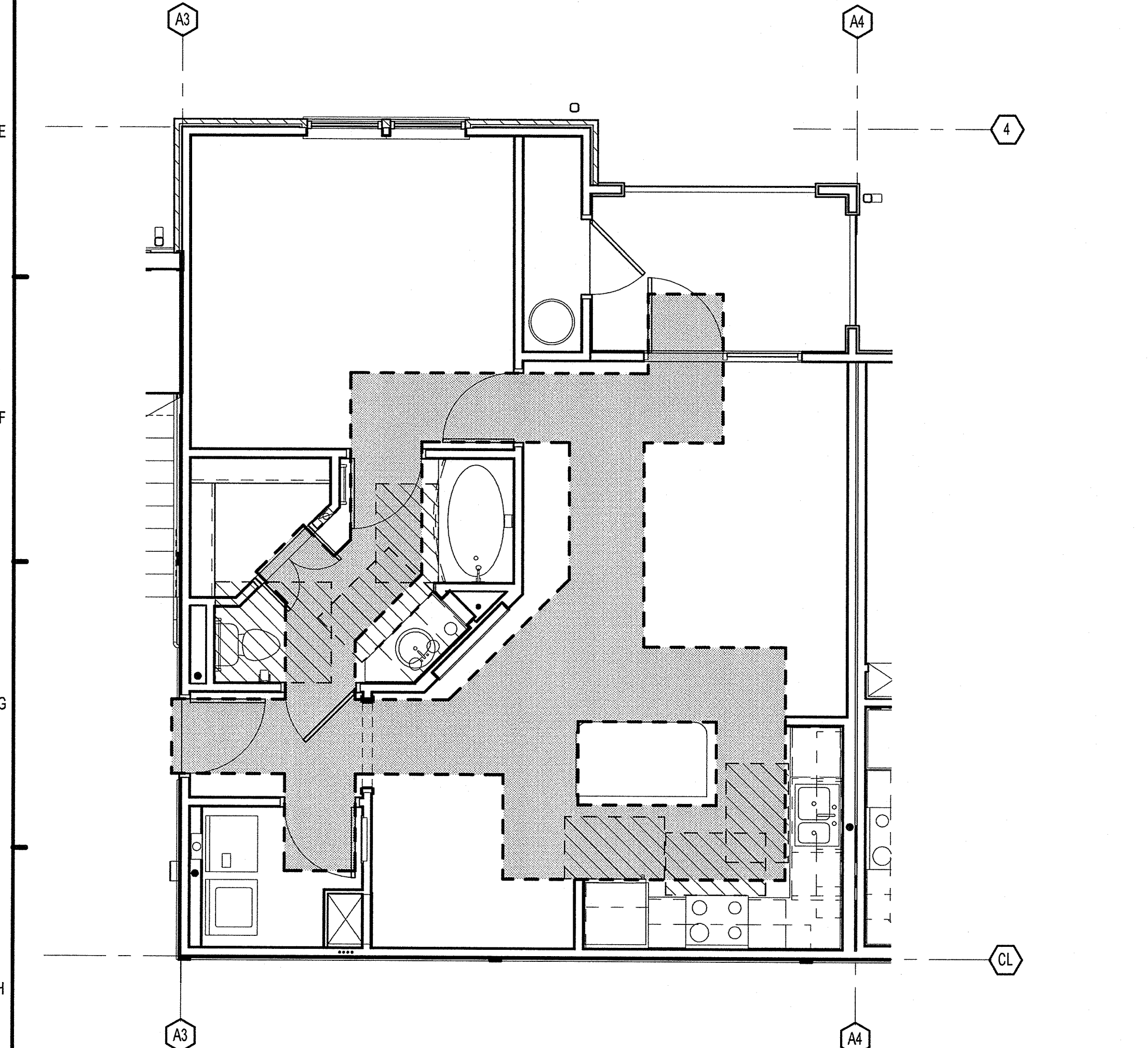
**SUMMER BAY APARTMENTS**  
Lake County, FL

**ENLARGED GARAGE PLANS** A2.15

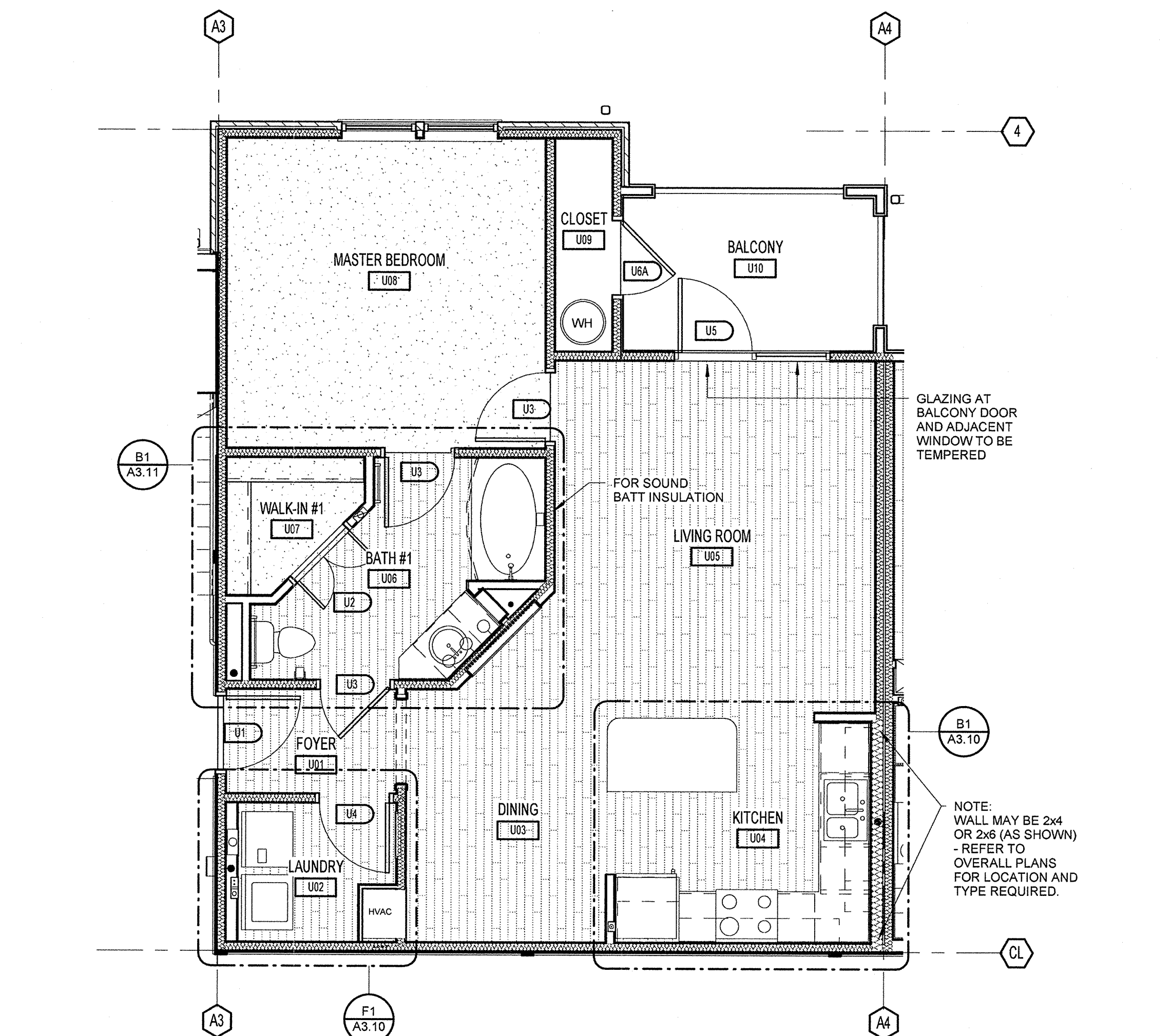
KEN LINDHAY  
FLORIDA LICENSE #AR0017385



**D1** UNIT A - DIMENSION PLAN  
1/4" = 1'-0"



**H1** UNIT A - CLEAR PATH OF TRAVEL PLAN  
1/4" = 1'-0"



**H2** UNIT A - REFERENCE PLAN  
1/4" = 1'-0"

**UNIT PLAN NOTES:**

1. UNIT PLANS SHOWN ARE TYPICAL - SEE BUILDING PLANS FOR UNIT ORIENTATION - PLANS MAY NEED TO BE REVERSED - ADJUST DIMENSION LAYOUTS ACCORDINGLY.
2. REFER TO LIFE SAFETY PLANS SHEETS A 0.10 THRU A 0.12 FOR RATED WALL LOCATIONS
3. SEE CIVIL PLAN FOR ACTUAL FINISH FLOOR ELEVATIONS AND BUILDING ORIENTATIONS.
4. PROVIDE ONE FIRE EXTINGUISHER PER UNIT - TYPE 3-A-40-B-C OR AS COORDINATED WITH FIRE OFFICIALS.
5. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
6. ALL WALL DIMENSIONS ARE TO FACE OF STUDS UNLESS NOTED OTHERWISE.
7. ALL WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING - UNLESS NOTED OTHERWISE, REFER TO BUILDING PLANS / ELEVATIONS FOR MORE INFORMATION.
8. SEE SHEET A3.10 FOR FINISH SCHEDULE INFO.
9. THERMAL BATT INSULATION TO OCCUR IN ALL EXTERIOR WALL CAVITIES - SOUND BATT INSULATION TO OCCUR IN INTERIOR WALLS AS INDICATED.  
MIN. R-13 BATT IN 2X4 WALLS  
MIN. R-19 BATT IN 2X6 WALLS  
MIN. R-11, DOUBLE LAYER IN TENANT SEPARATION WALLS PER UL 541
10. ALL VINYL, TILE, AND HARD SURFACE FLOORING AREAS TO HAVE 3/4" GYPSUM FLOOR TOPPING UNDERLAYMENT OVER 5mm SOUND INSULATION. WHERE CARPET AREAS ARE LOCATED, INCREASE GYPSUM FLOOR TOPPING TO 1" IN THICKNESS TO FLUSH OUT AT HARD SURFACE AREAS.
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PERMIT REVIEW		
ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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REVISION HISTORY		
No.	Date	Description

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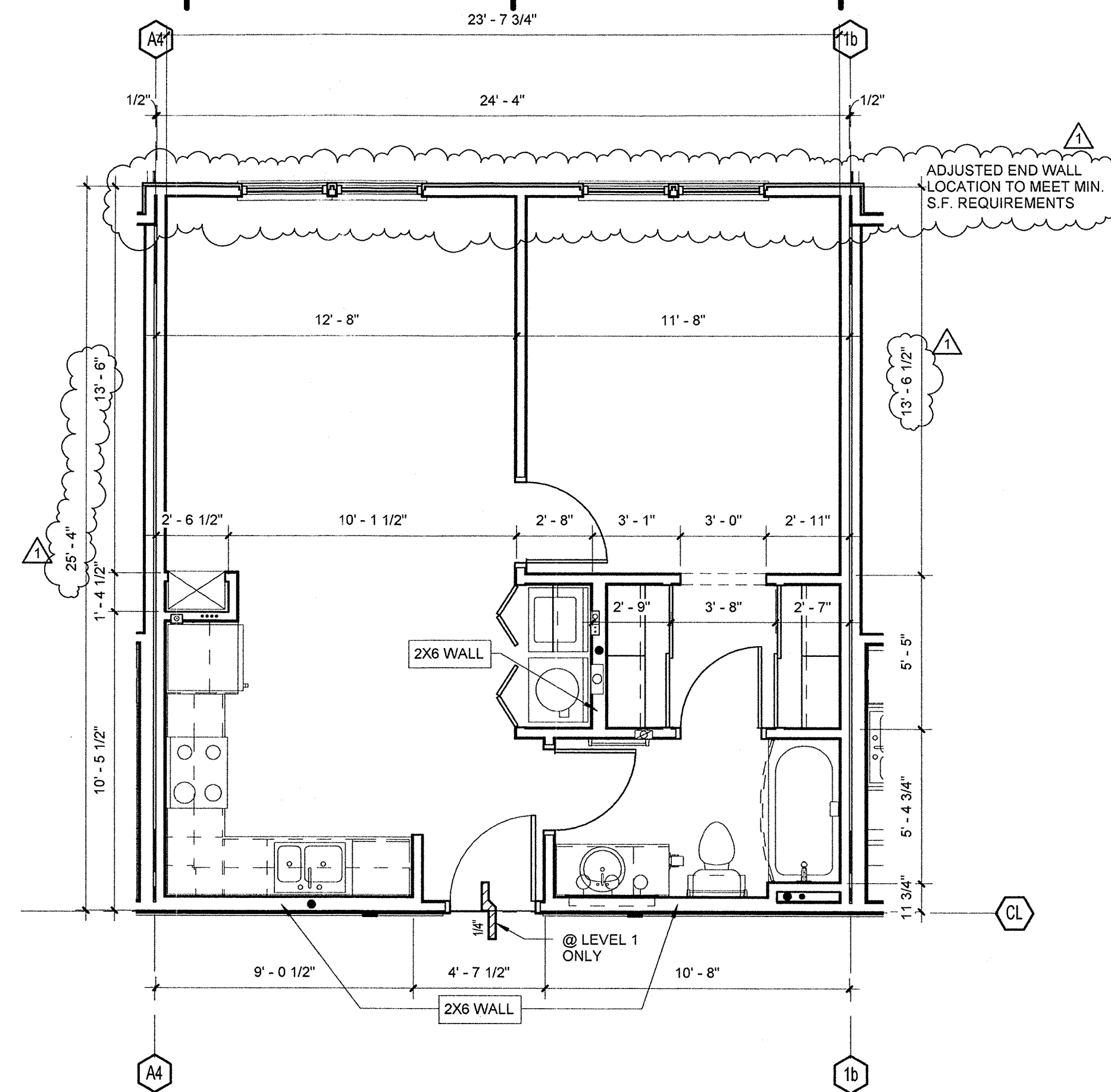
**LAKE COUNTY BUILDING DIVISION**  
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 RECEIVED DEC 04 2013

<b>SUMMER BAY APARTMENTS</b> Lake County, FL <b>UNIT A PLAN</b>	Drawn: Author Checked: RL Approved: RL Date: 11/15/2013 Project #: 5169
	<b>A3.01</b>
	KEN LINDEMAN FLORIDA LICENSE# AR0017365

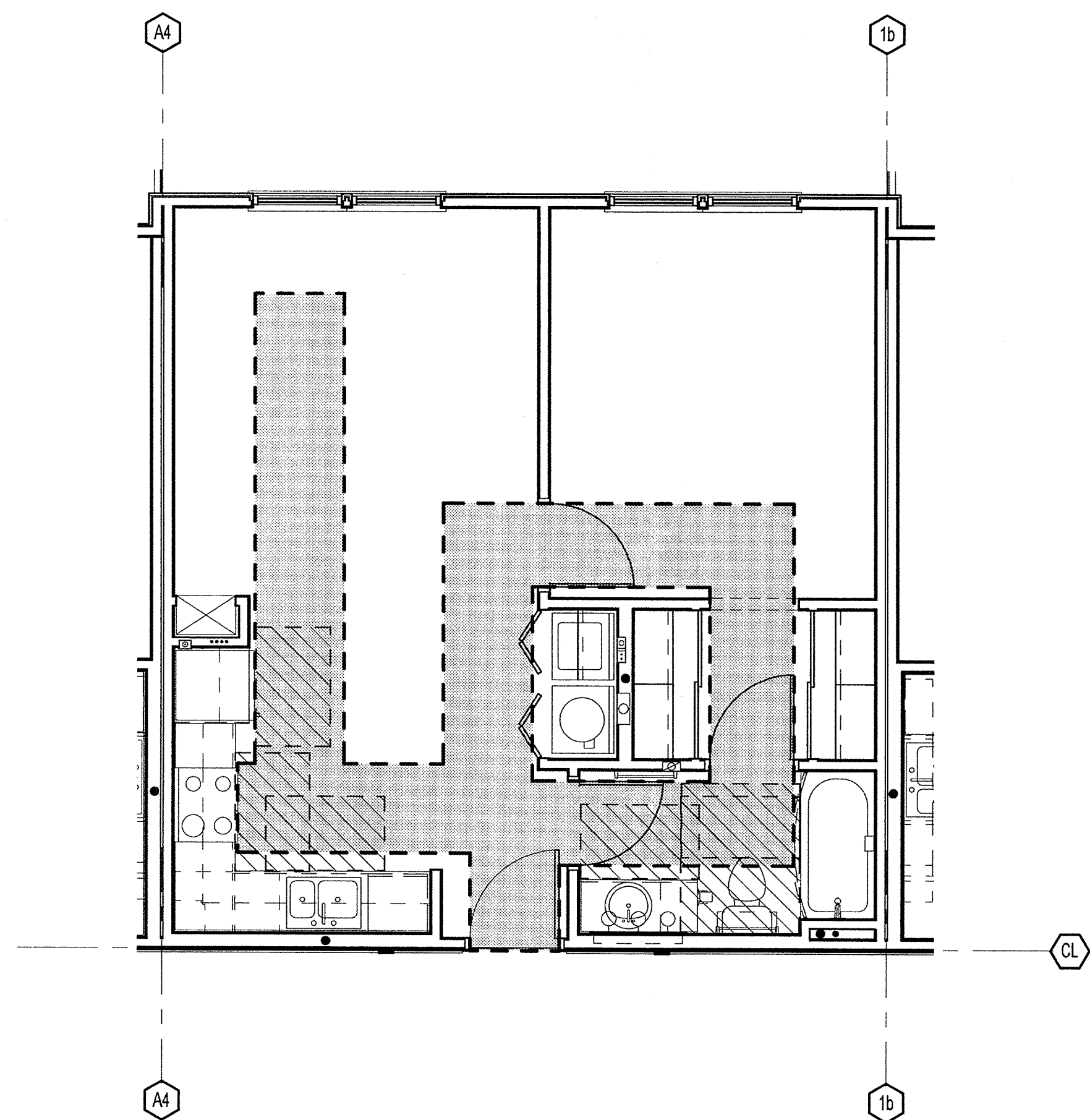
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**UNIT PLAN NOTES:**

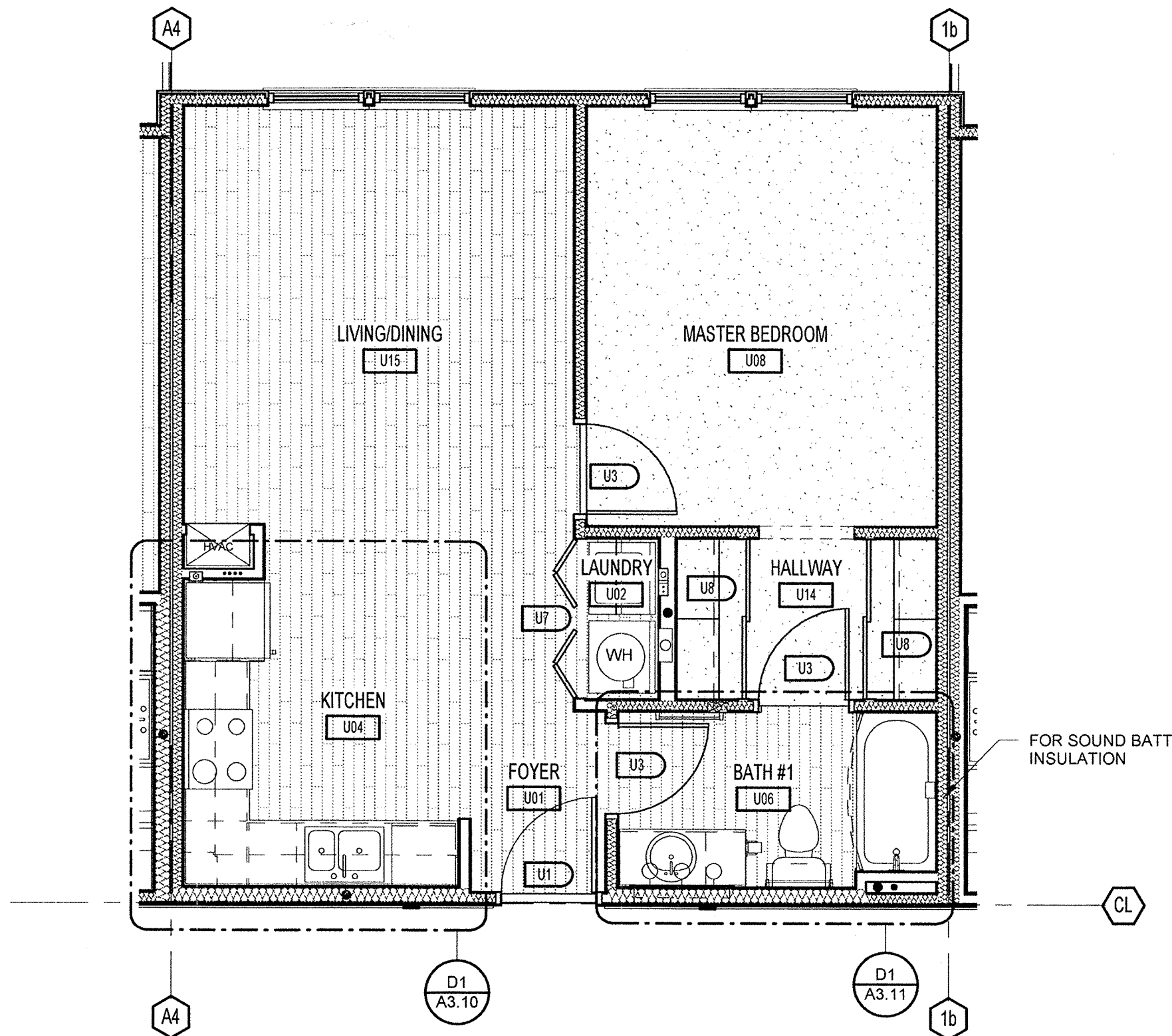
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**D1 UNIT A2 - DIMENSION PLAN**  
1/4" = 1'-0"



**H1 UNIT A2 - CLEAR PATH OF TRAVEL PLAN**  
1/4" = 1'-0"



**H2 UNIT A2 - REFERENCE PLAN**  
1/4" = 1'-0"

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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**REVISION HISTORY**

No.	Date	Description
1	12/23/2013	PERMIT COMMENTS #1



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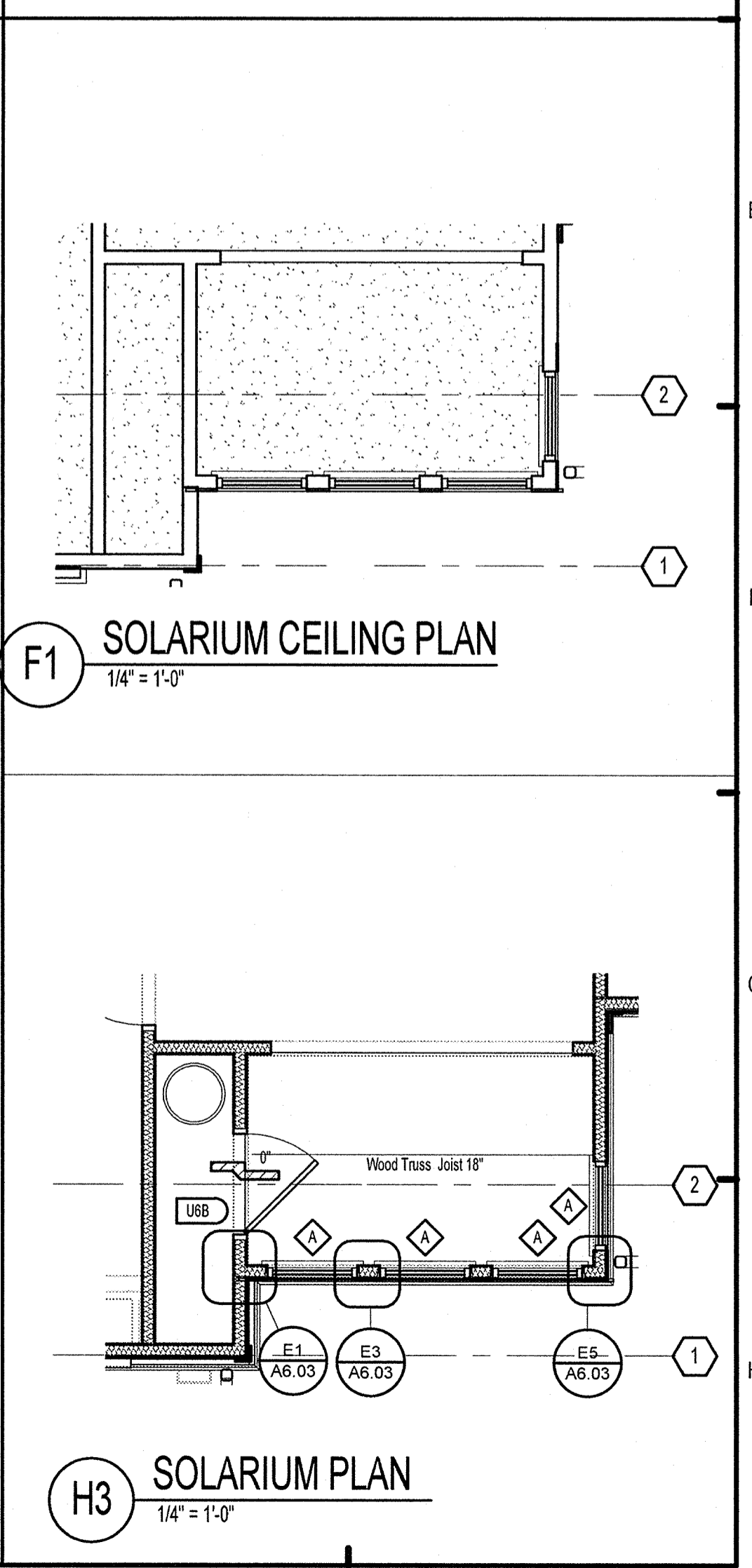
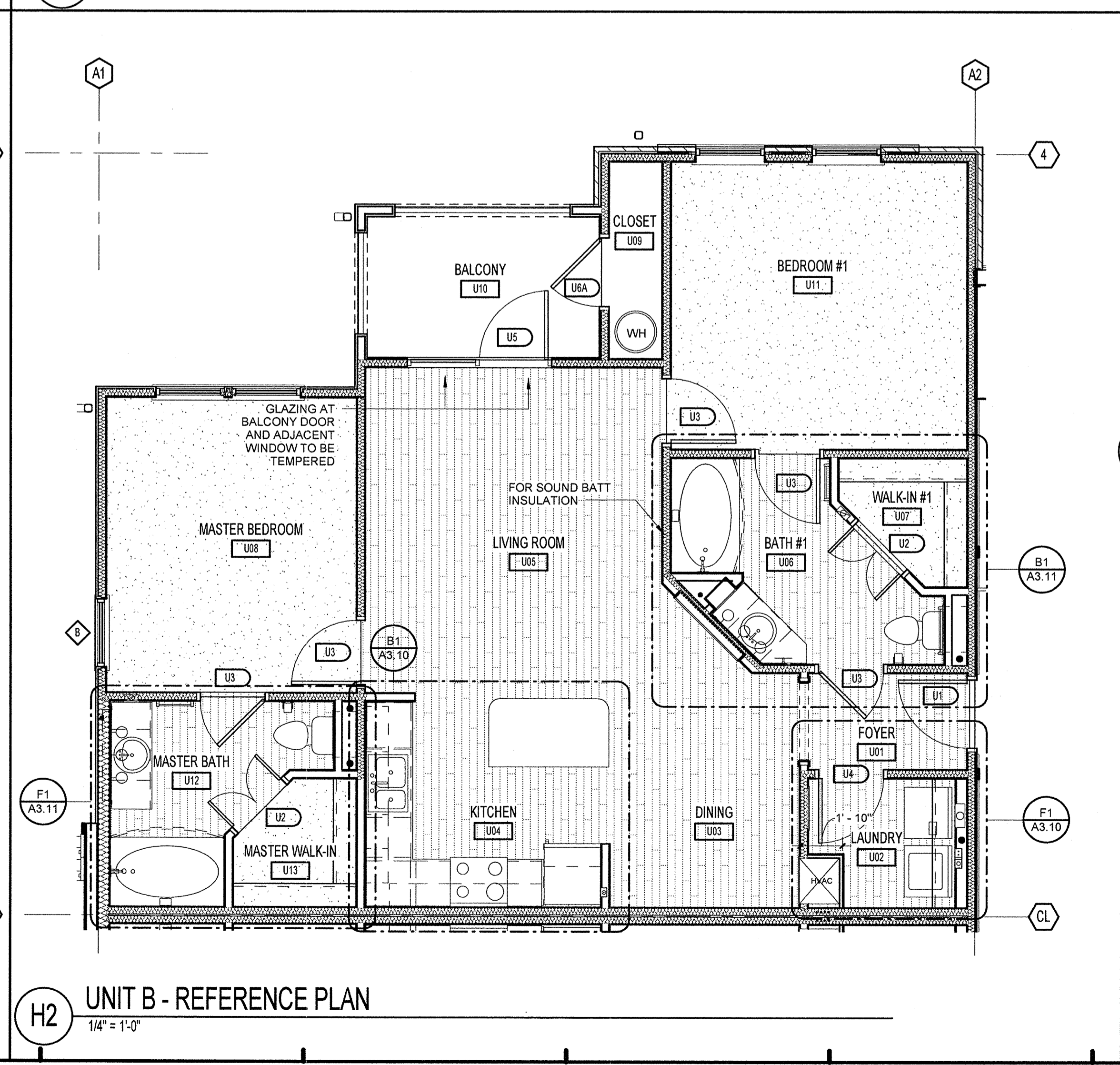
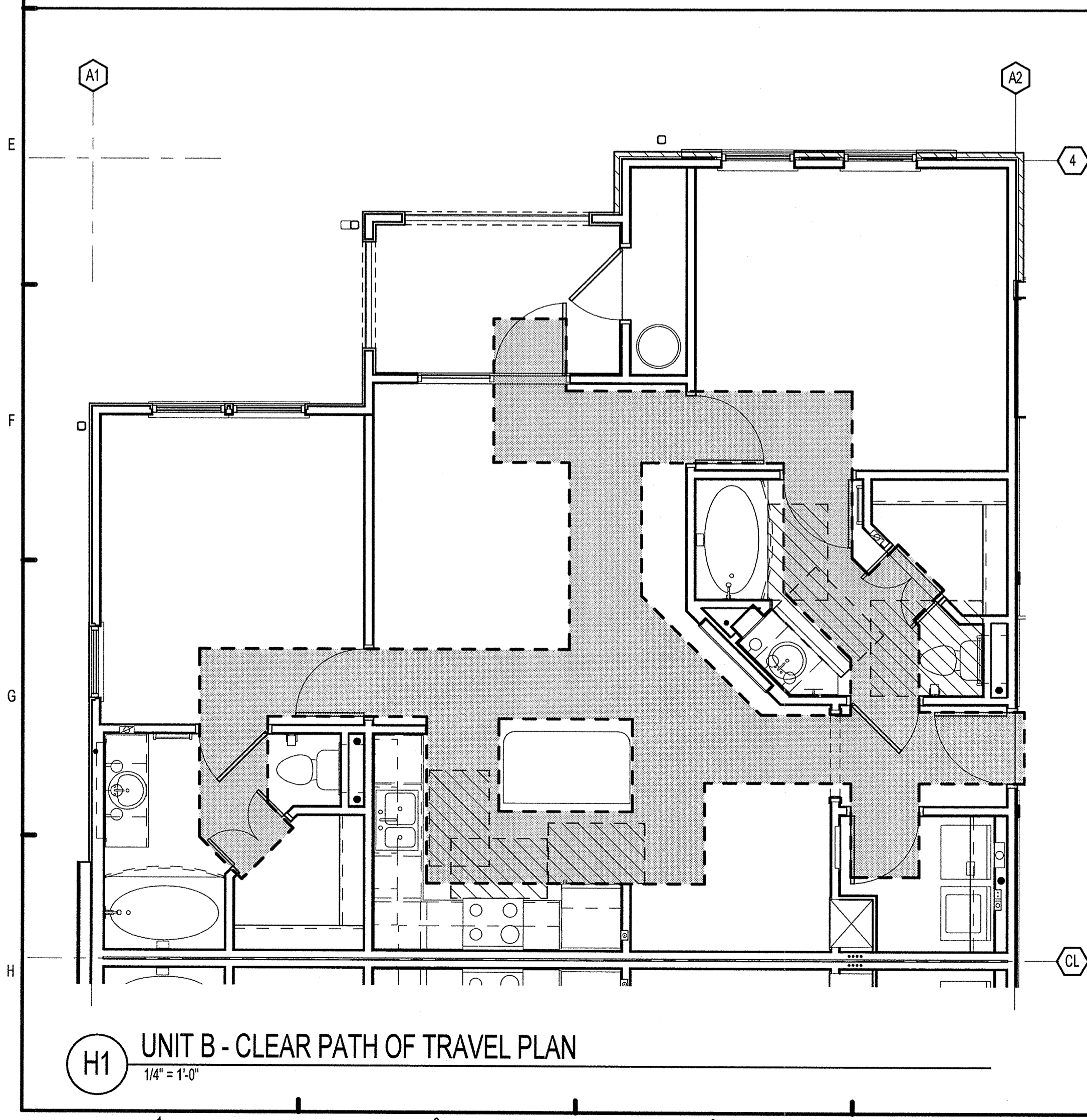
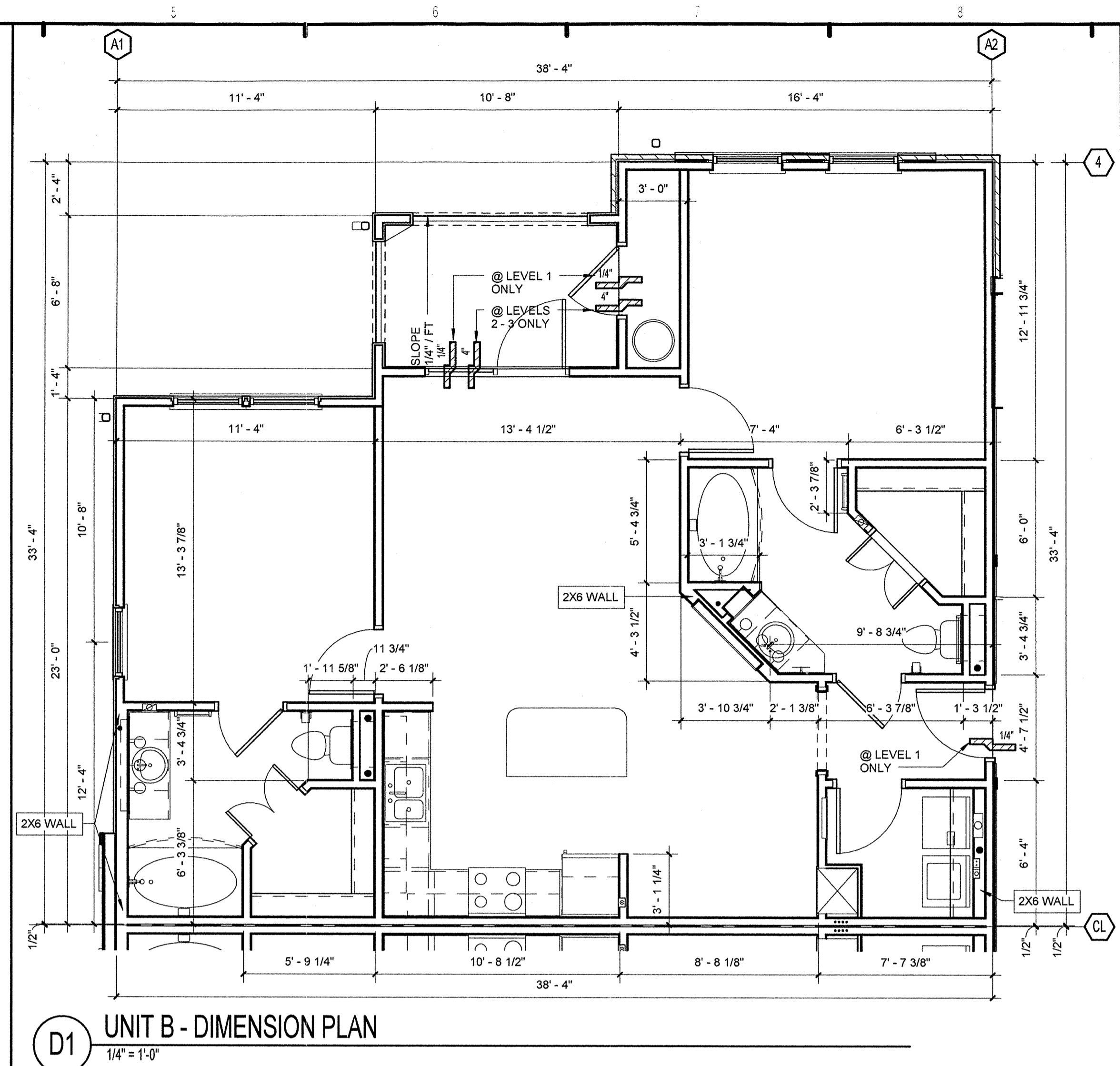
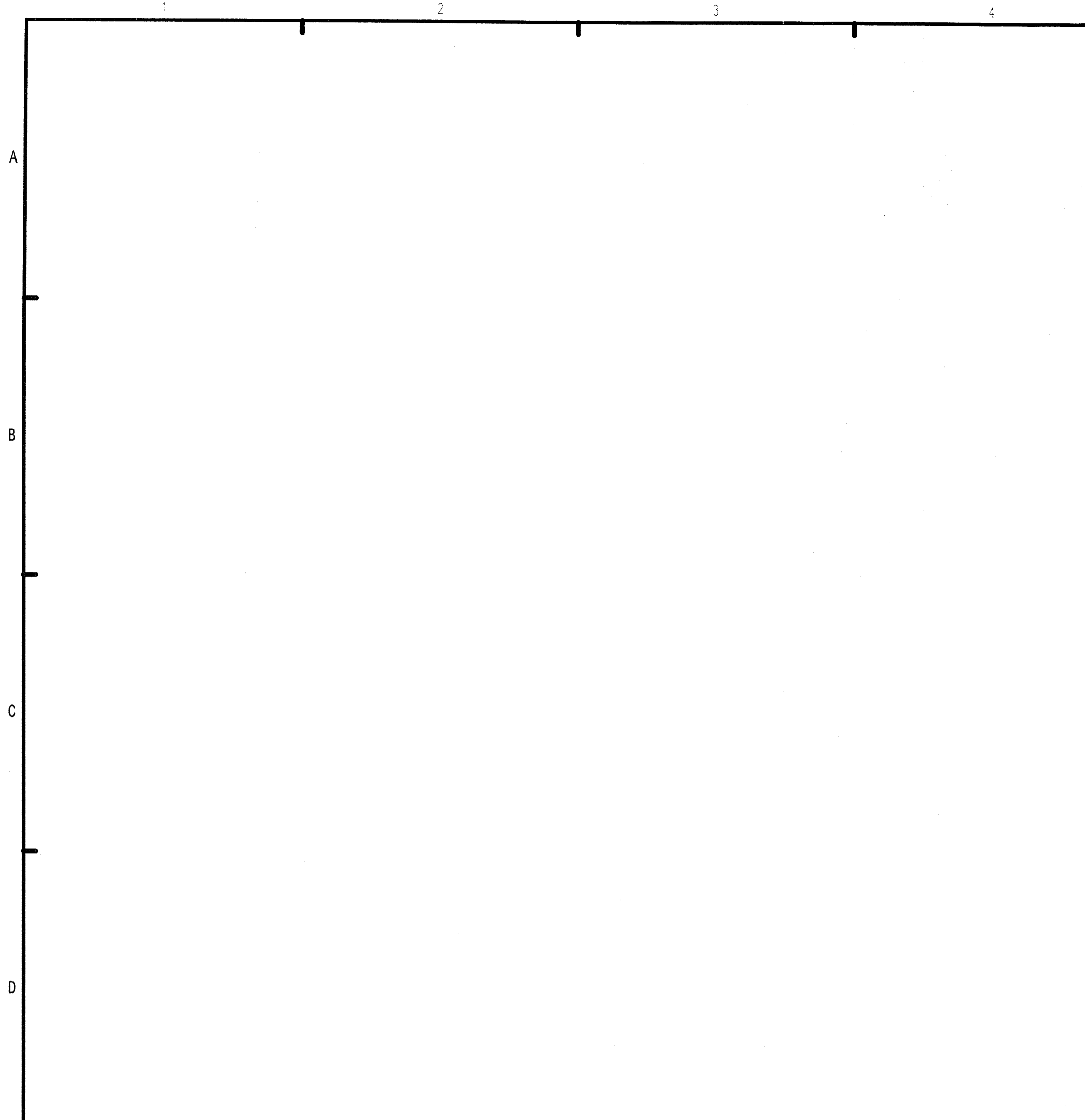
**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
Lake County, FL

**UNIT A2 PLAN**  
A3.02

KEN LINDEMAN  
FLORIDA LICENSE #AR0017365

RECEIVED DEC 30 2013



**UNIT PLAN NOTES:**

1. UNIT PLANS SHOWN ARE TYPICAL - SEE BUILDING PLANS FOR UNIT ORIENTATION - PLANS MAY NEED TO BE REVERSED - ADJUST DIMENSION LAYOUTS ACCORDINGLY.
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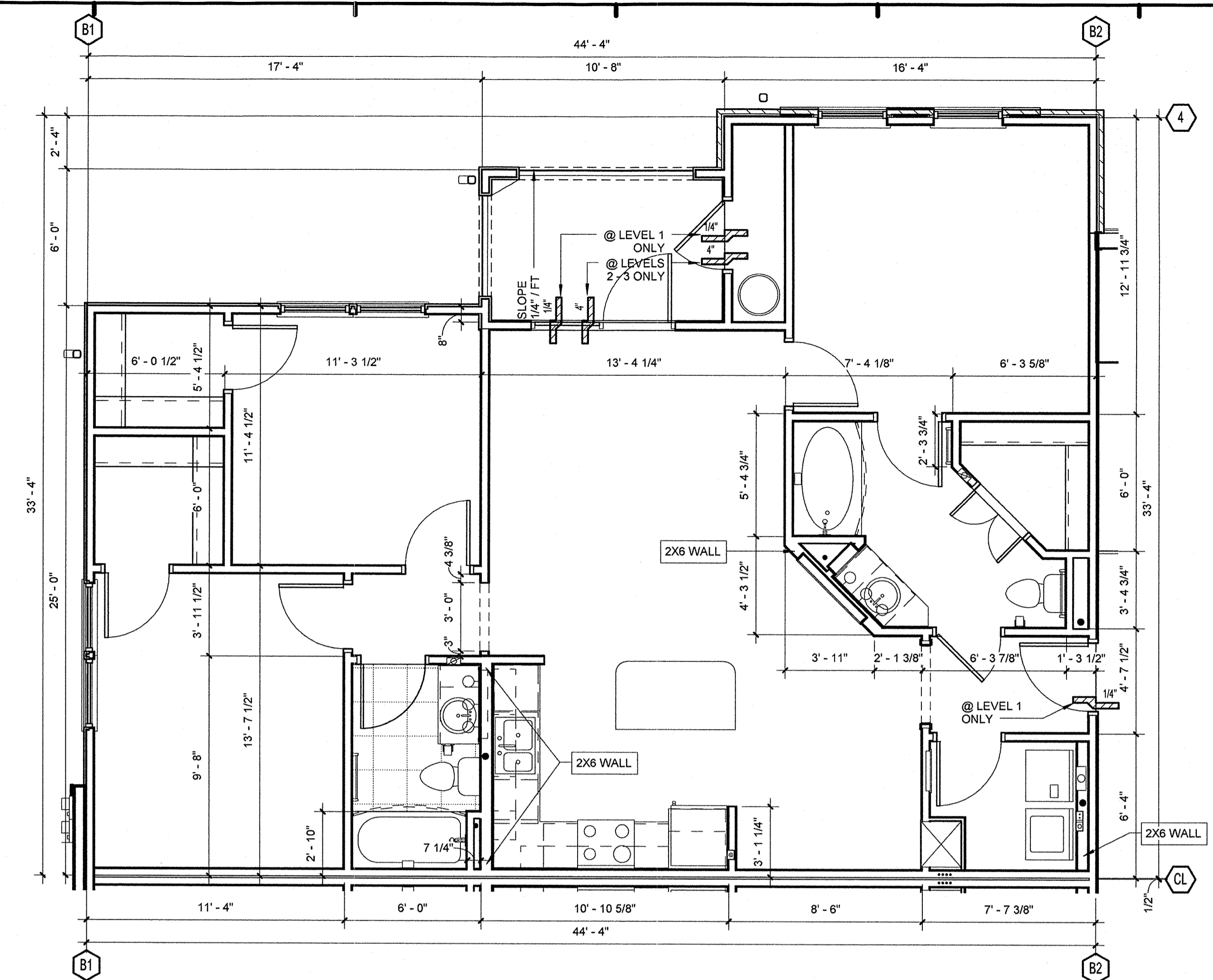
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<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: KP
	Checked: KL
	Approval: KL
	Date: 11/15/2013 Project #: 5169
<b>UNIT B PLAN</b>	
<b>A3.03</b>	

KEN LINEMAN  
FLORIDA LICENSE #AA0017385



**D1 UNIT C - DIMENSION PLAN**  
1/4" = 1'-0"

**UNIT PLAN NOTES:**

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**PERMIT REVIEW**

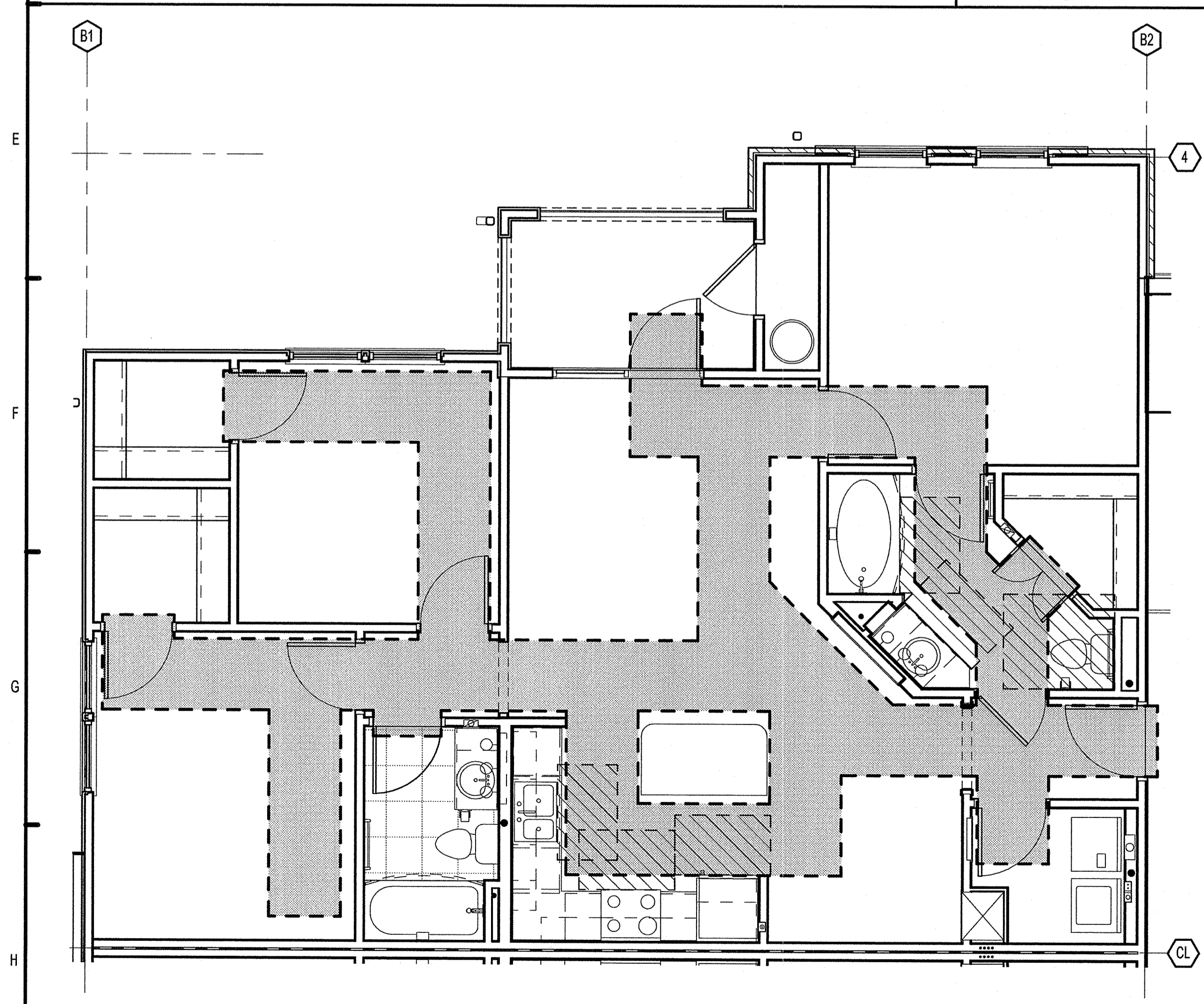
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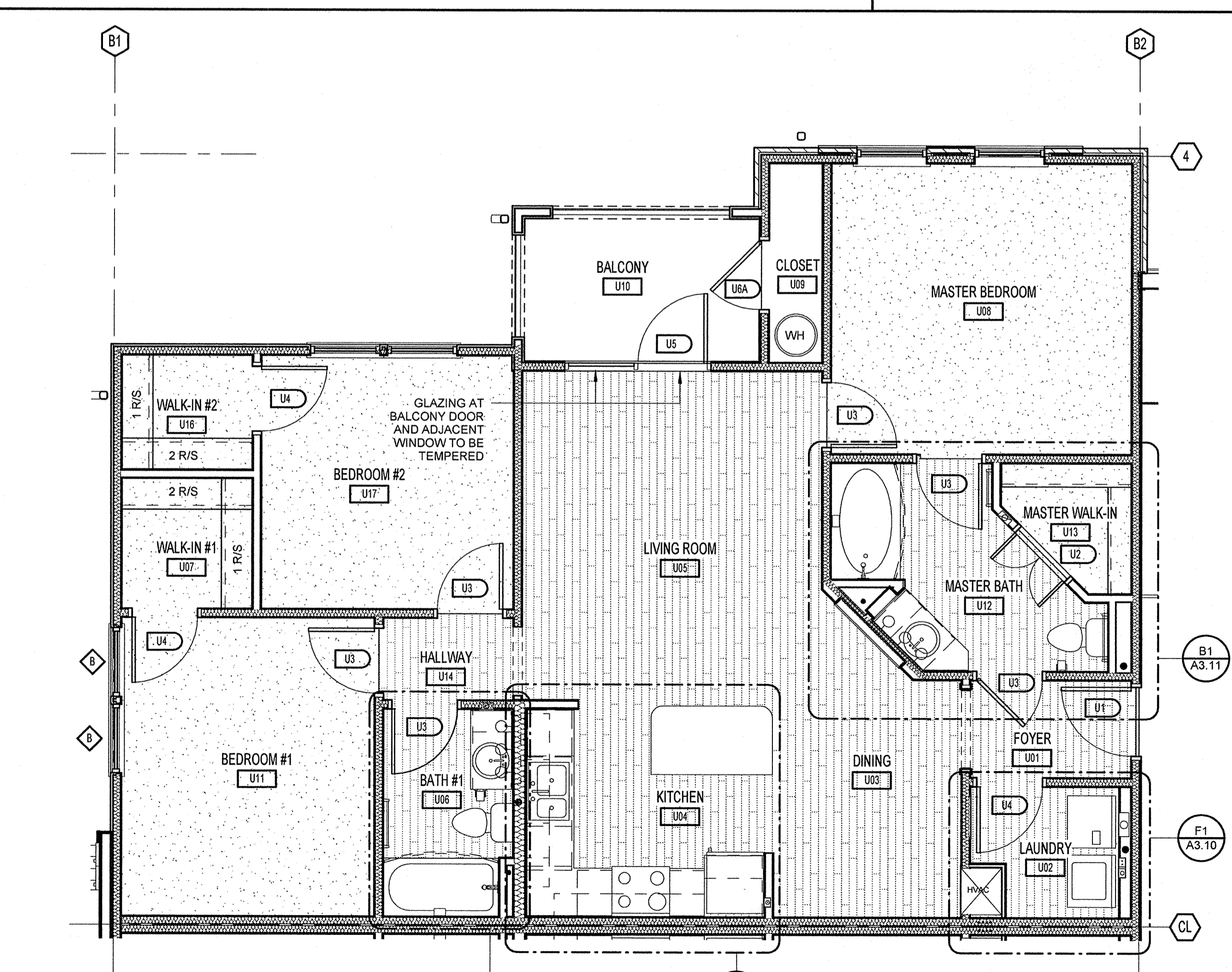
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**H1 UNIT C - CLEAR PATH OF TRAVEL PLAN**  
1/4" = 1'-0"



**H2 UNIT C - REFERENCE PLAN**  
1/4" = 1'-0"

**FUGLEBERG KOCH**  
P.L.L.C.

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**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
Lake County, FL

**UNIT C PLAN**

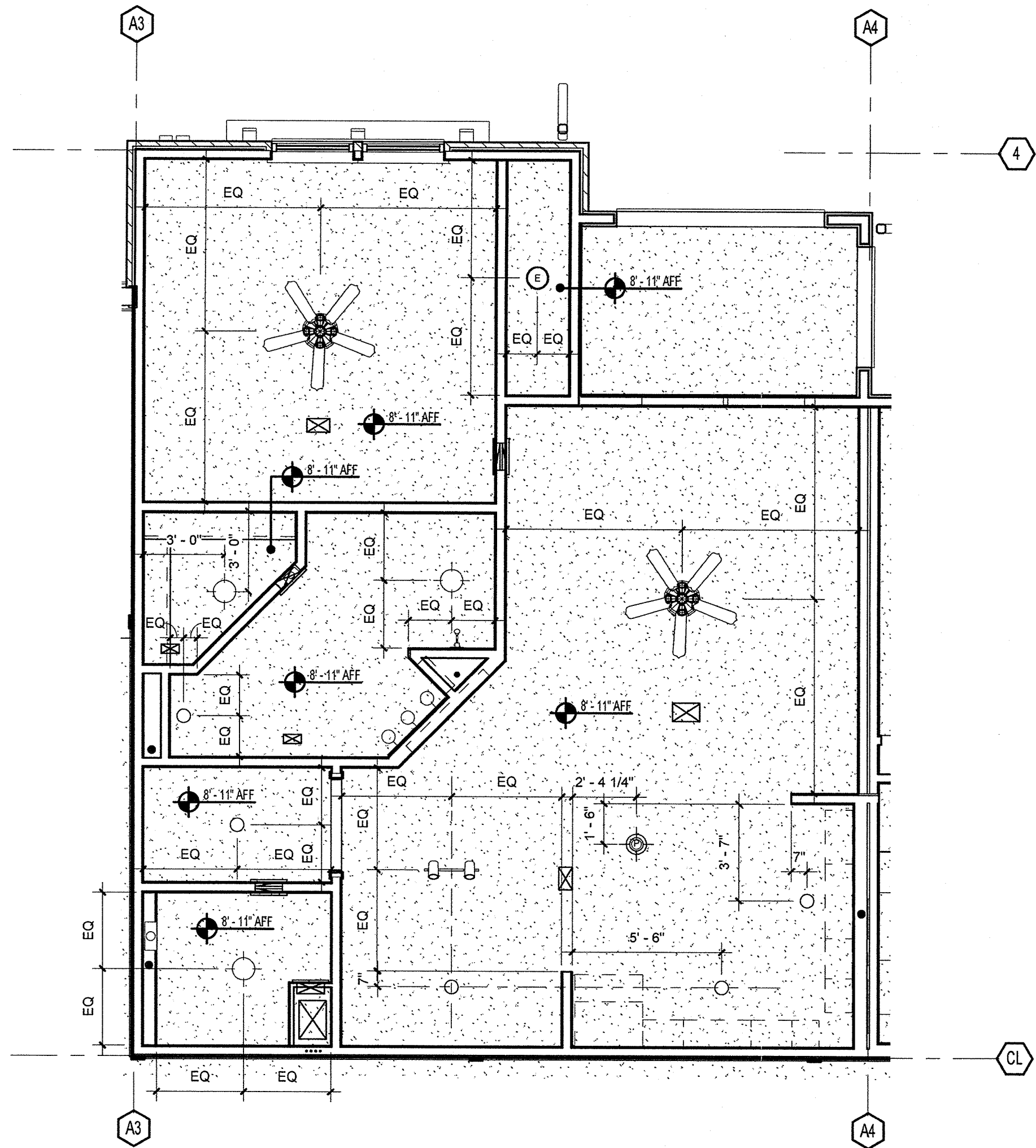
Project # 5169

Approved: KL  
Date: 11/15/2013  
Project # 5169

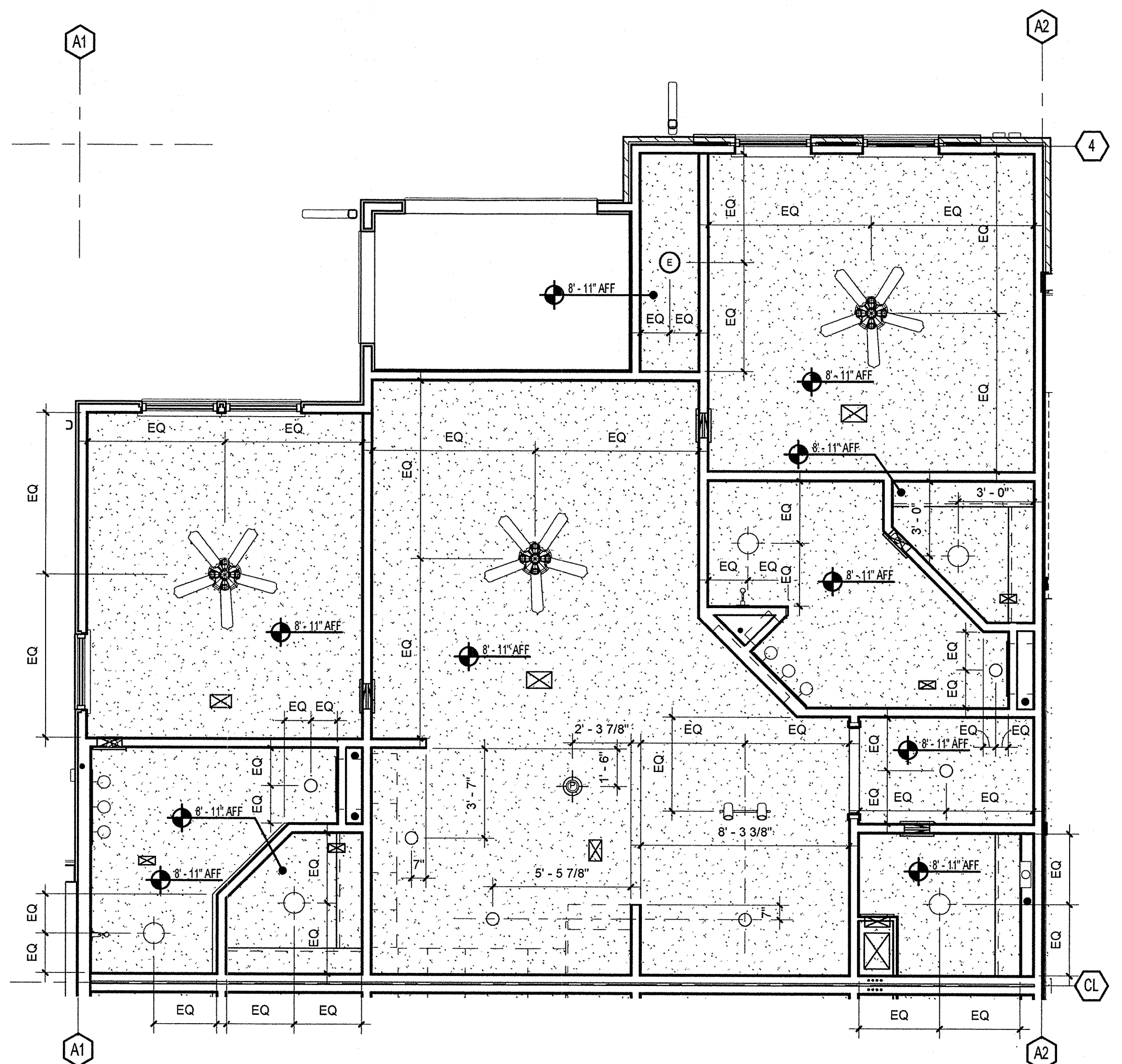
KEN INEYAN  
FLORIDA LICENSE #AR0017385

*[Signature]*

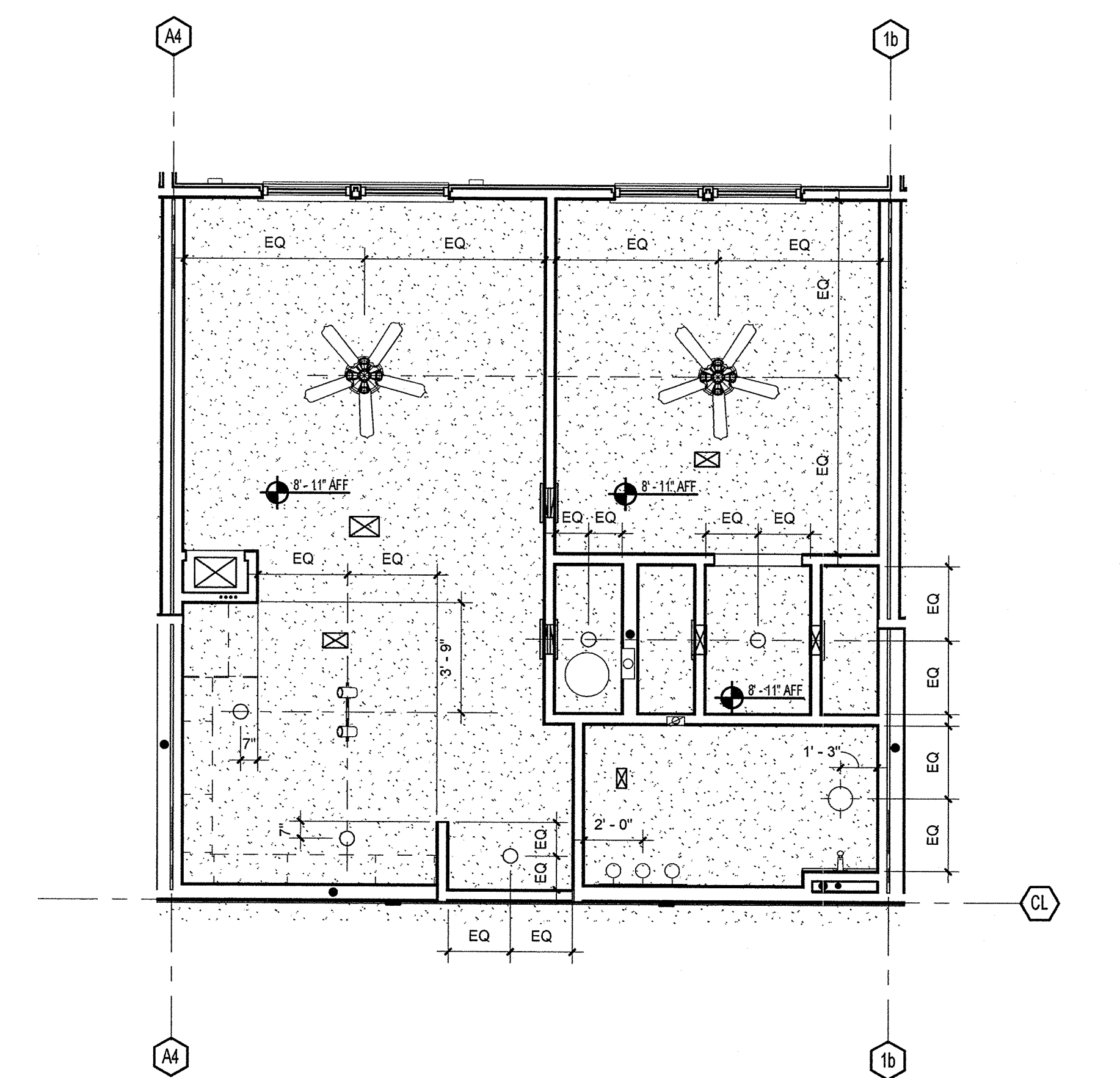




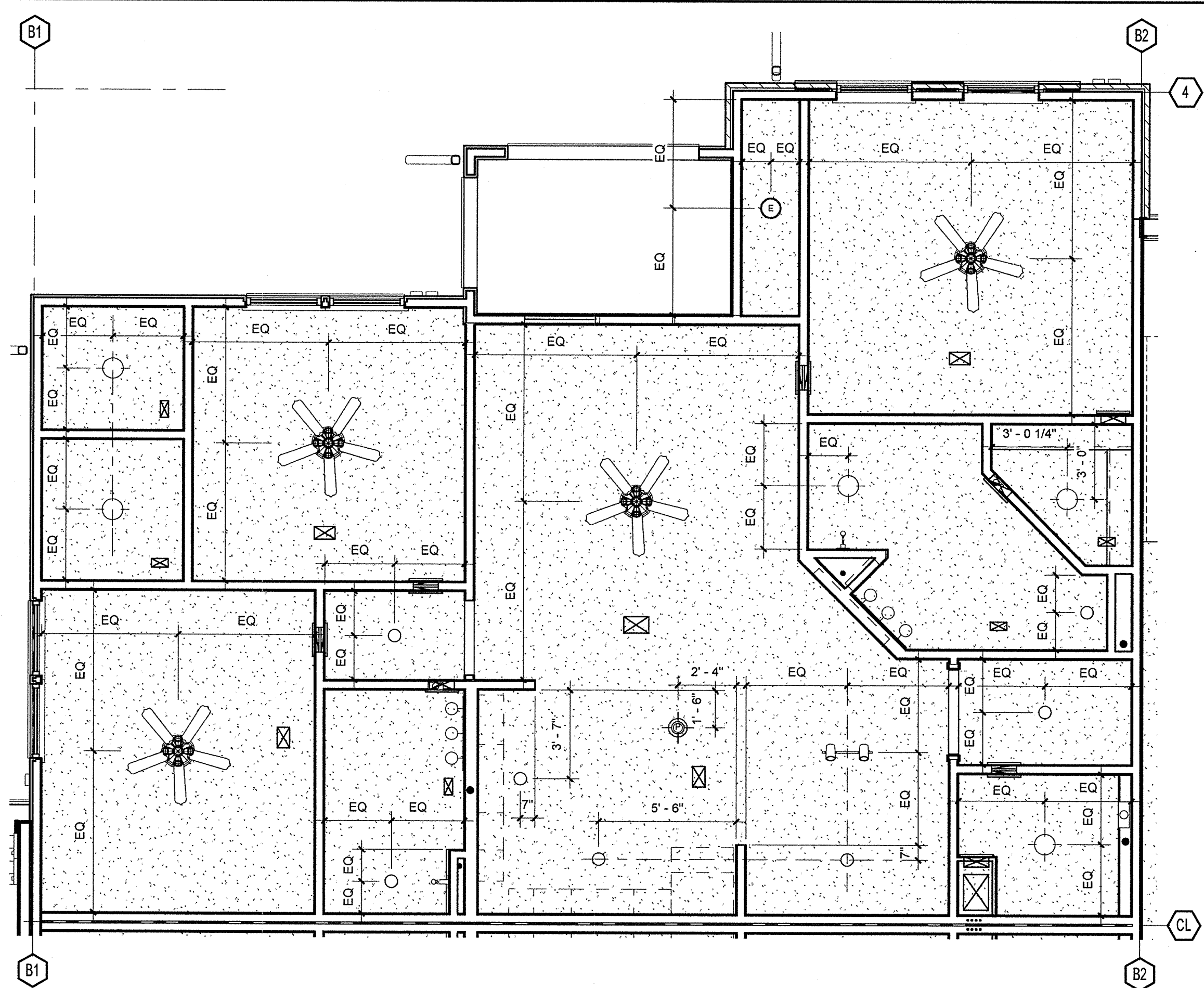
D1 UNIT A - REFLECTED CEILING PLAN  
1/4" = 1'-0"



D2 UNIT B - REFLECTED CEILING PLAN  
1/4" = 1'-0"



H1 UNIT A2 - REFLECTED CEILING PLAN  
1/4" = 1'-0"



H2 UNIT C - REFLECTED CEILING PLAN  
1/4" = 1'-0"

**RCP LEGEND**

NOTE: RCP DIMS ARE FROM FINISH FACE OF WALL

- ⊗ EXIT LIGHT
- RECESSED CAN LIGHT
- ⊙ CEILING MOUNTED LIGHT
- ⊕ EXTERIOR CEILING MOUNTED LIGHT
- ⊙ SPRINKLER HEAD - CEILING MOUNTED
- ⊙ SPRINKLER HEAD - SIDEWALL
- ⊙ EMERGENCY LIGHT - SIDEWALL
- ▬ FLORESCENT STRIP LIGHT
- ⊕ COMBINATION AUDIBLE / VISUAL DEVICE - FIRE ALARM
- ⊙ SPRINKLER HEAD - RECESSED PENDENT
- ⊙ SPRINKLER HEAD - RECESSED SIDEWALL
- ⊙ CEILING FAN
- ⊙ FIXTURE VANITY LIGHT - WALL MOUNTED
- ⊙ EXTERIOR LIGHT - WALL MOUNTED
- ⊙ EXHAUST FAN - CEILING MOUNTED
- ⊙ SQUARE SUPPLY DIFFUSER - CEILING MOUNTED
- ⊙ SQUARE RETURN DIFFUSER - CEILING MOUNTED
- ⊙ SQUARE SUPPLY DIFFUSER - CEILING MOUNTED
- ⊙ SUPPLY DIFFUSER - WALL MOUNTED
- ⊙ EXHAUST FAN - WALL MOUNTED
- ⊙ THRU-WALL GRILL
- ⊙ TRACK LIGHT FIXTURE - CEILING MOUNTED
- ⊙ 22 X 36 ATTIC ACCESS PANEL
- ⊙ OUTLET - SEE ELECTRICAL

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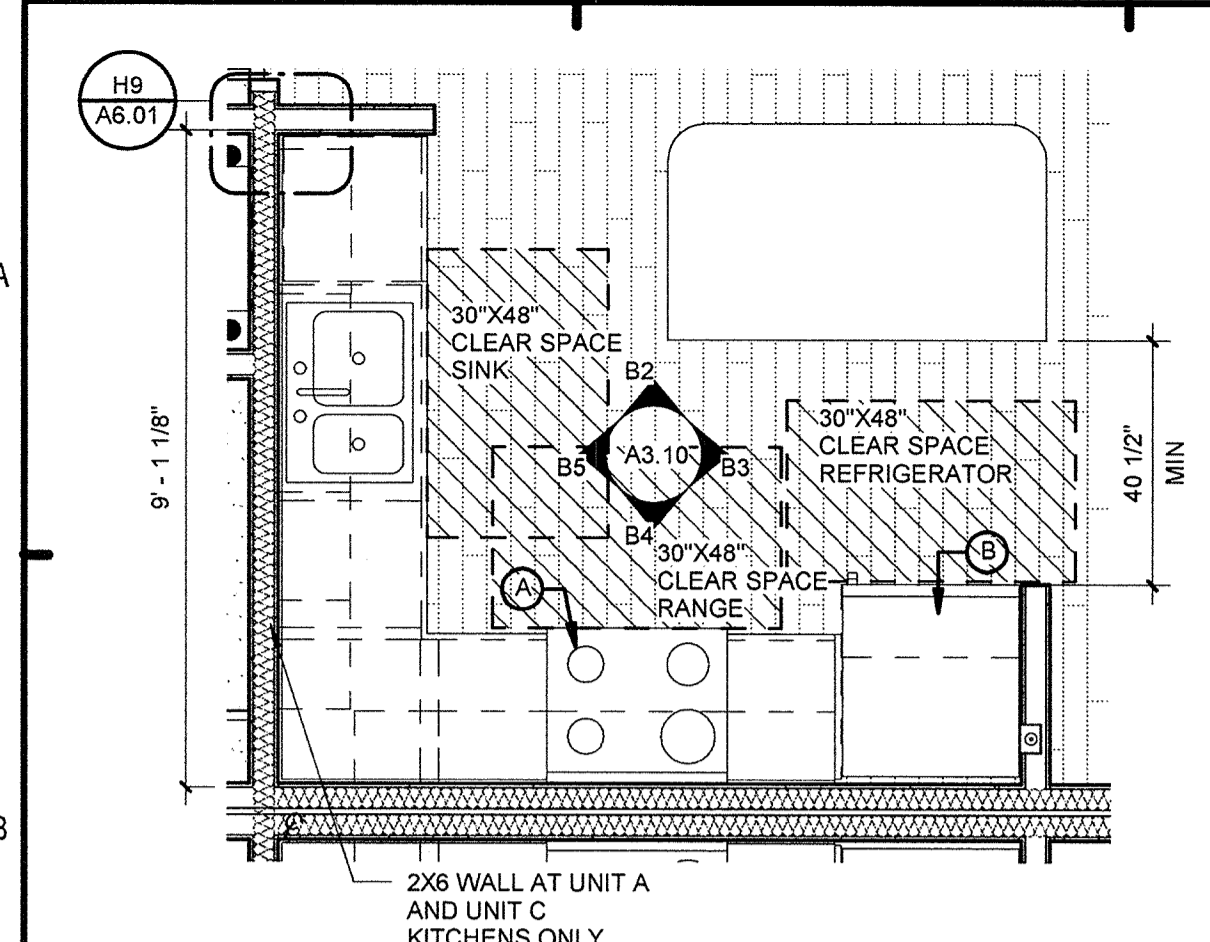
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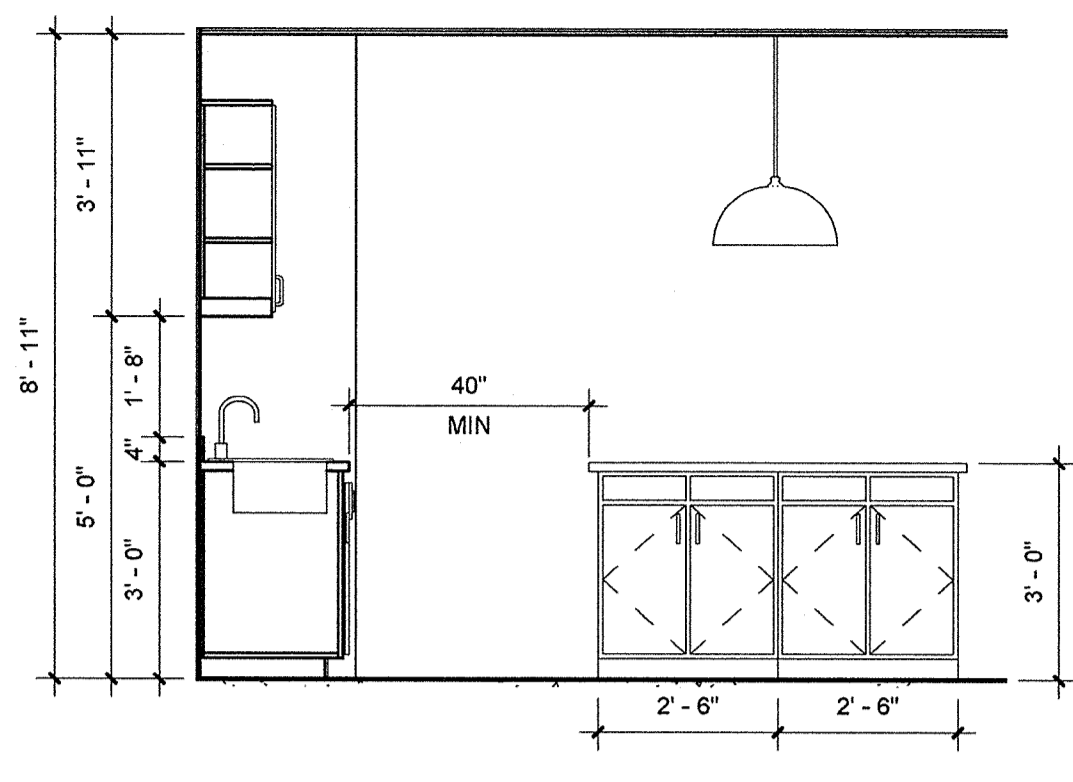
<p><b>SUMMER BAY APARTMENTS</b></p> <p>Lake County, FL</p>	Drawn: Author Checked: KL Approval: KL Date: 11/15/2013 Project #: 5169
	A3.05

KEIL LINDSEY  
FLORIDA LICENSE # AR037385

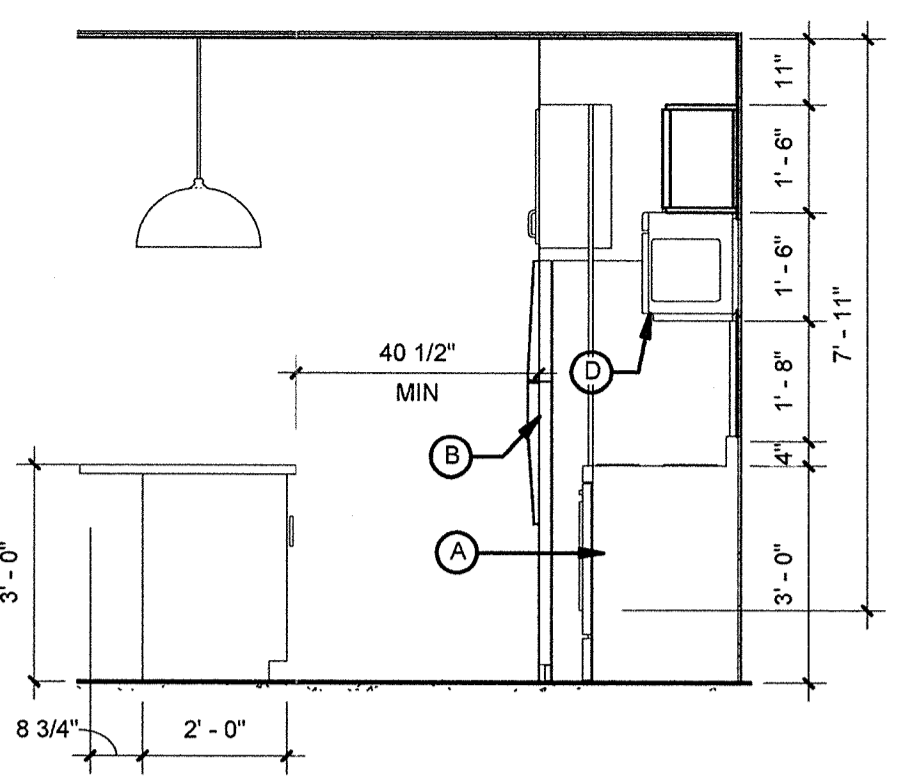
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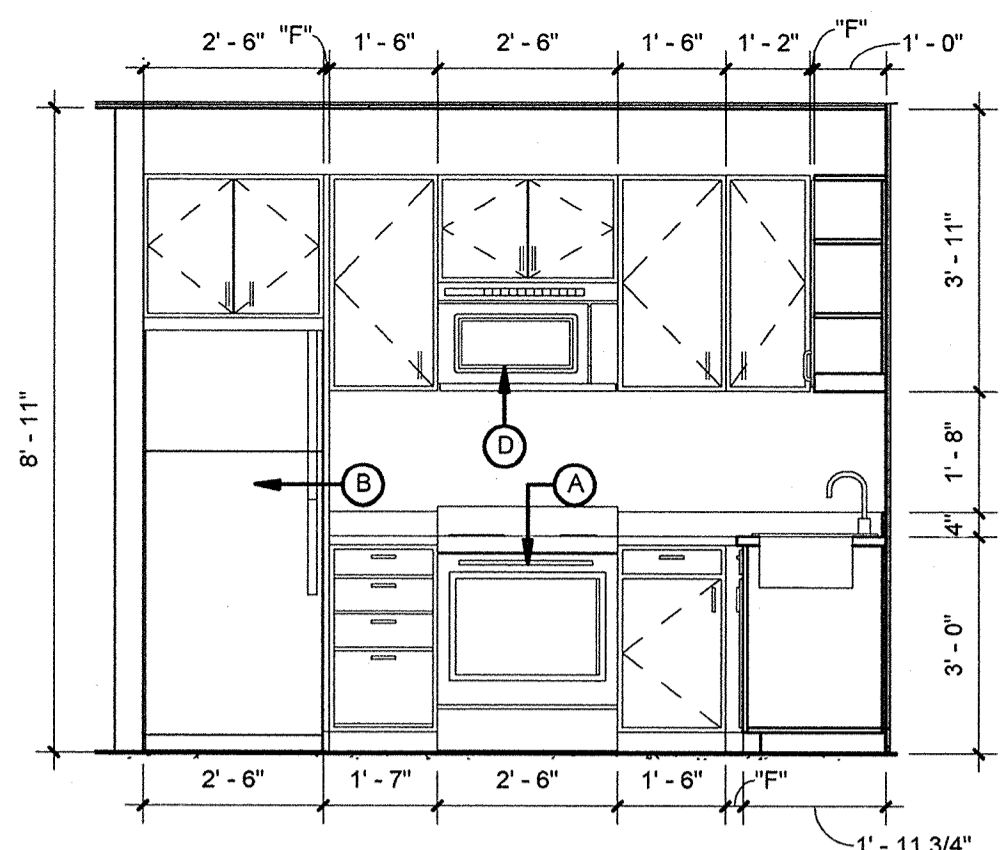
**B1 ENLARGED KITCHEN PLAN**  
3/8" = 1'-0"



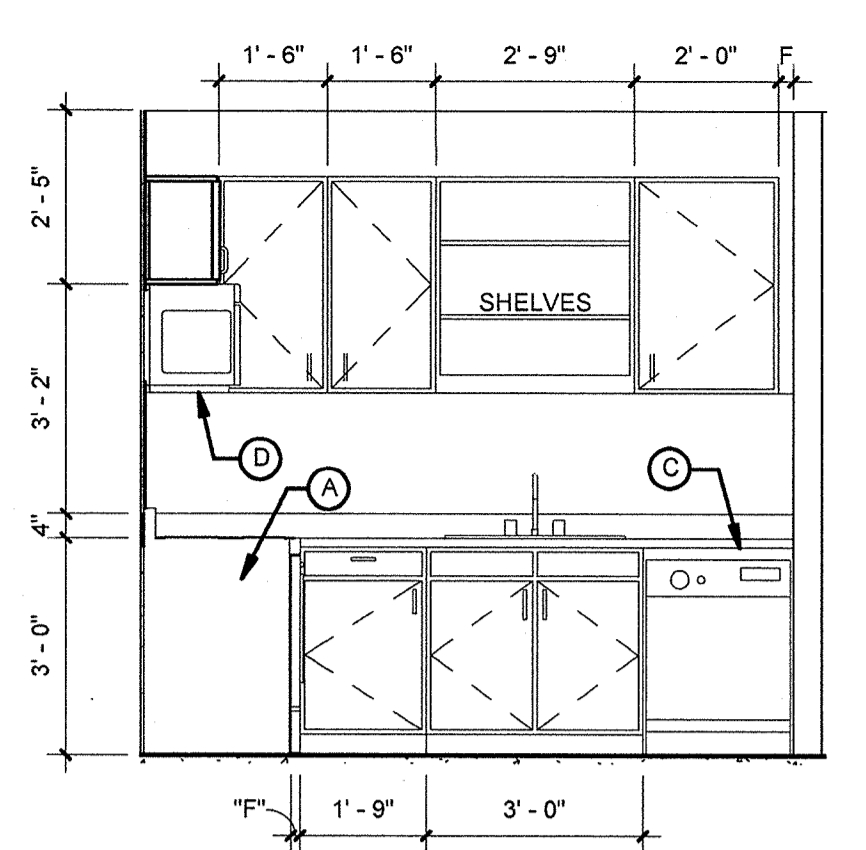
**B2 KITCHEN ELEVATION**  
3/8" = 1'-0"



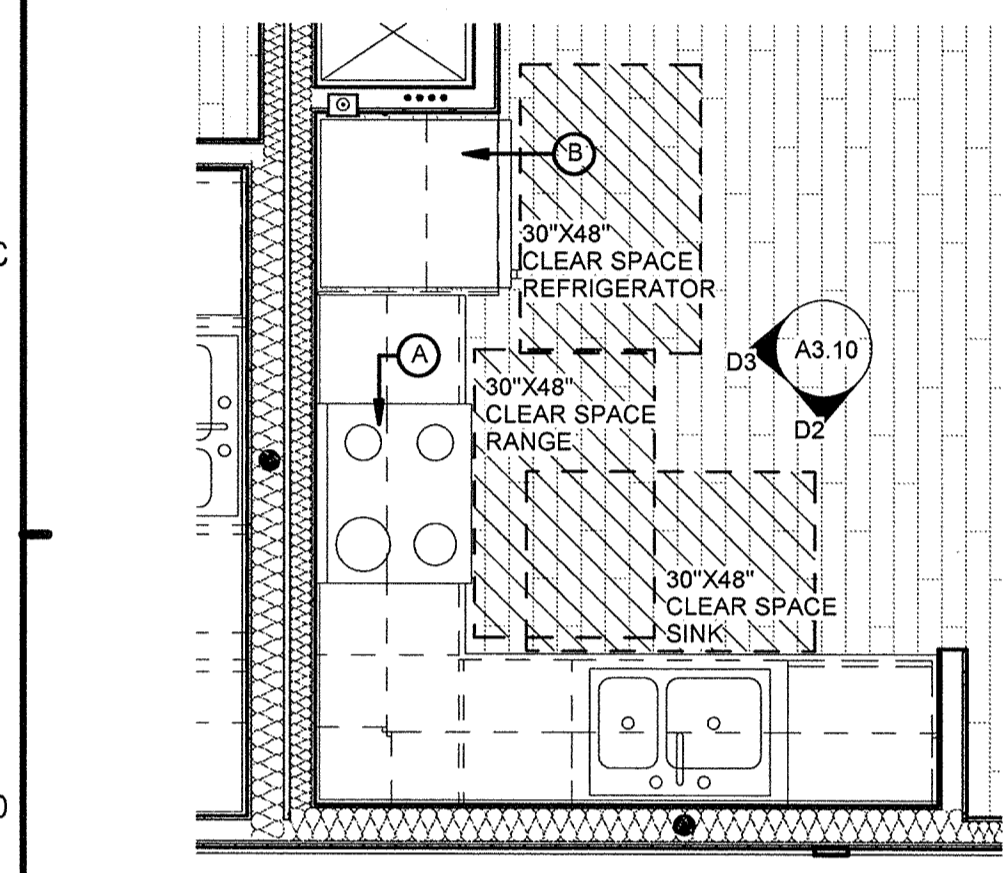
**B3 KITCHEN ELEVATION**  
3/8" = 1'-0"



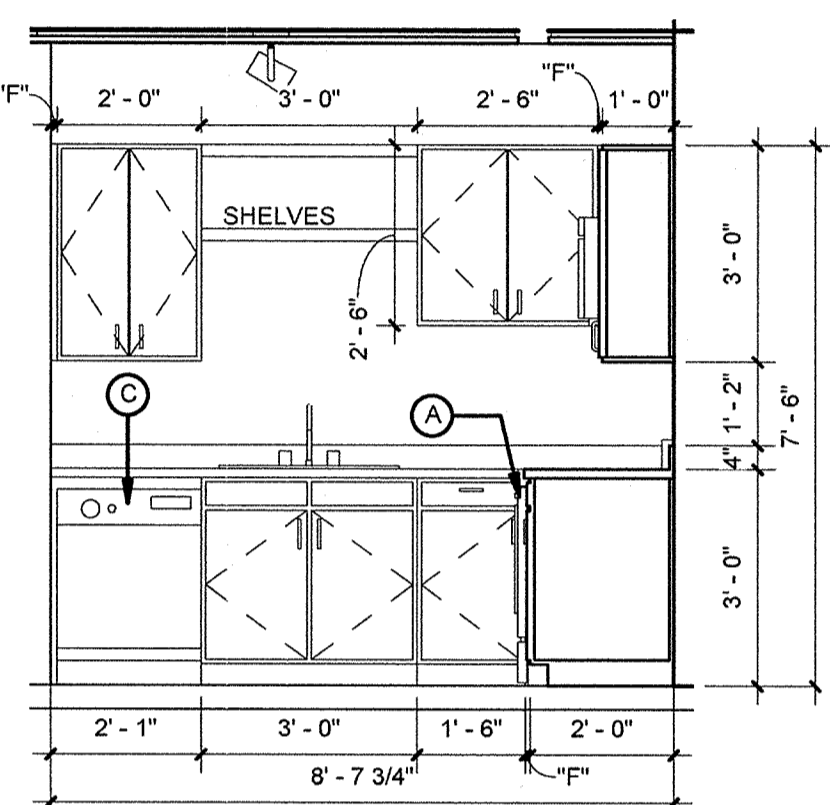
**B4 KITCHEN ELEVATION**  
3/8" = 1'-0"



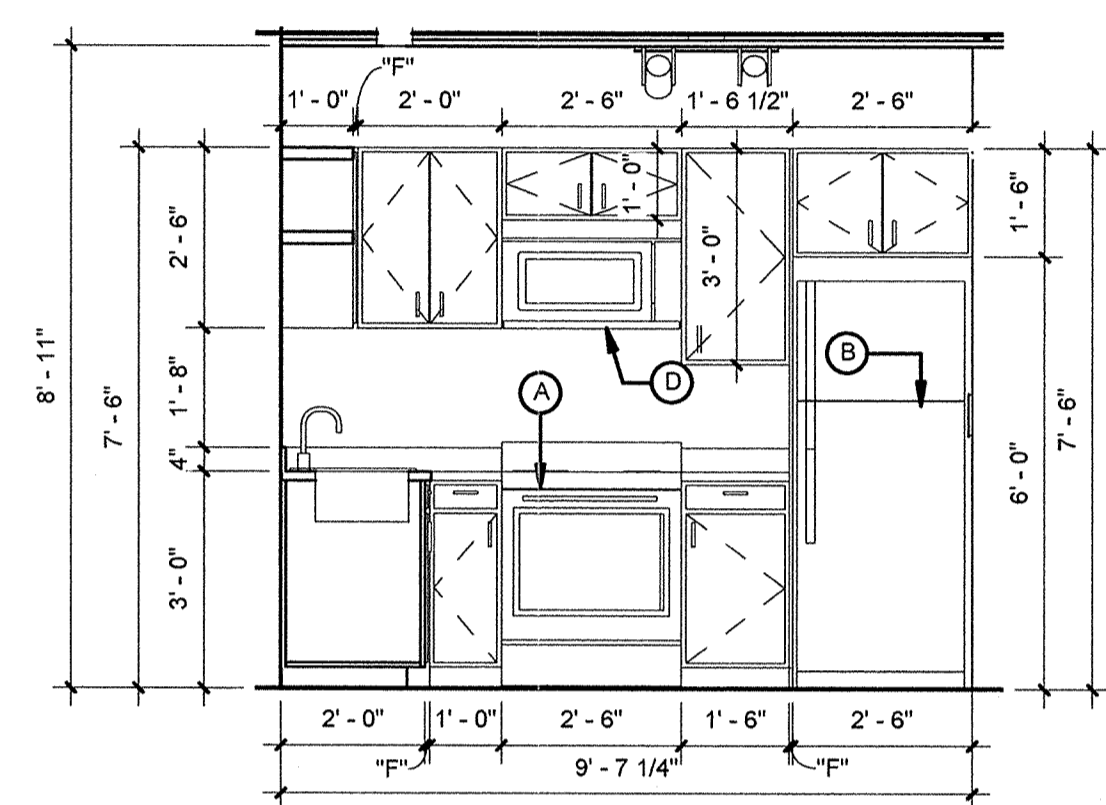
**B5 KITCHEN ELEVATION**  
3/8" = 1'-0"



**D1 ENLARGED KITCHEN PLAN A2**  
3/8" = 1'-0"



**D2 KITCHEN ELEVATION**  
3/8" = 1'-0"



**D3 KITCHEN ELEVATION**  
3/8" = 1'-0"

UNITS APPLIANCE SCHEDULE				
REF #	DESCRIPTION	MFGR	MODEL NUMBER	REMARKS
A	RANGE	WHIRPOOL APPLIANCES	AER5523XAB	
B	REFRIGERATOR	WHIRPOOL APPLIANCES	W8TXNGMWB	
C	DISH WASHER	WHIRPOOL APPLIANCES	ADB1100AWB	
D	MICROWAVE W/ HOOD	WHIRPOOL APPLIANCES	AMV1150VAB	
E	WASHER	WHIRPOOL APPLIANCES	W7W4800XQ (BASIS OF DESIGN)	
F	DRYER	WHIRPOOL APPLIANCES	WED4800XQ (BASIS OF DESIGN)	
G	GARBAGE DISPOSAL	WHIRPOOL APPLIANCES	GC 2000 XE	

NOTE: APPLIANCES PROVIDED AS A BASIS OF DESIGN ONLY. INSTALLATION REQUIREMENTS AND CONNECTIONS TO BE VERIFIED PRIOR TO CONSTRUCTION. OWNER TO APPROVE FINAL APPLIANCE SELECTION PRIOR TO ORDERING UNITS.

**PERMIT REVIEW**

**NOTES:**

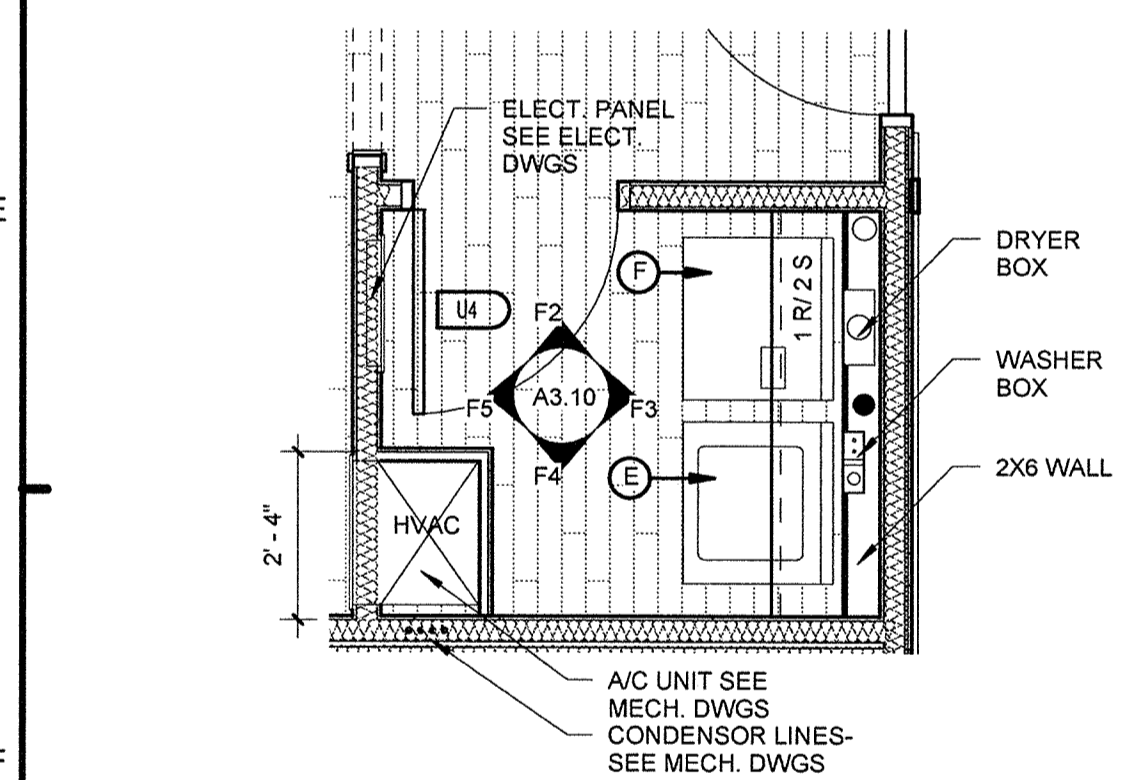
- REFER TO SHEET A3.12 FOR INTERIOR MATERIAL FINISH SCHEDULE.
- REFER TO SHEET A3.11 FOR FUTURE GRAB BAR MOUNTING HEIGHTS, SIZES AND REINFORCEMENT REQUIREMENTS.
- LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER CONTROLS SHALL BE POSITIONED IN ACCESSIBLE LOCATIONS AND MOUNTING HEIGHTS TO COMPLY WITH THE FAIR HOUSING DESIGN MANUAL FOR GROUND FLOOR ONLY.
- FAIR HOUSING ACCESS REQUIREMENTS OCCUR ON GROUND LEVEL UNITS ONLY.
- REFER TO UNIT PLANS FOR ADDITIONAL INFORMATION AND CONFIRMATION OF FINISH AREA INFORMATION.
- PROVIDE BLOCKING AT FAIR HOUSING UNITS AT GROUND LEVEL ONLY. SEE PLANS FOR DIMENSIONS.

**ISSUE HISTORY**

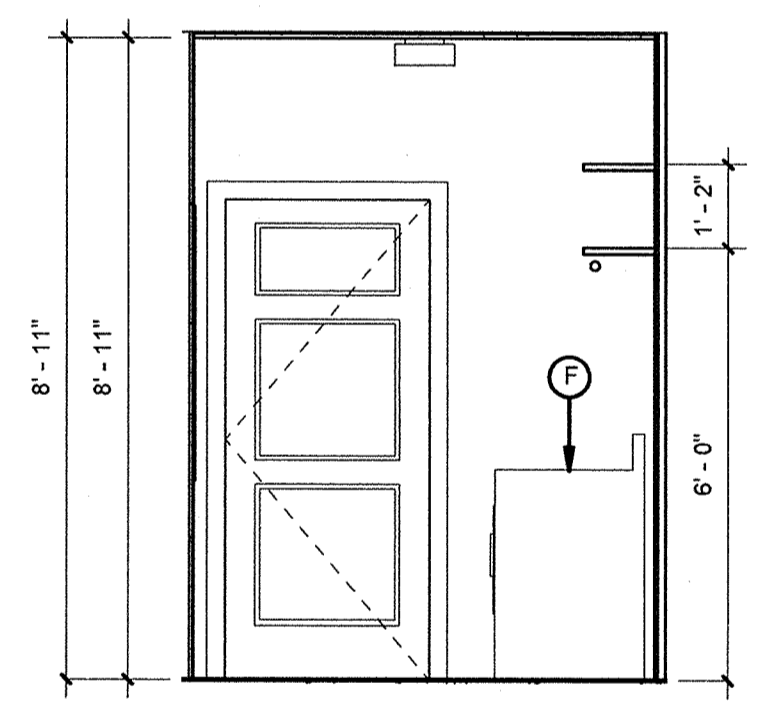
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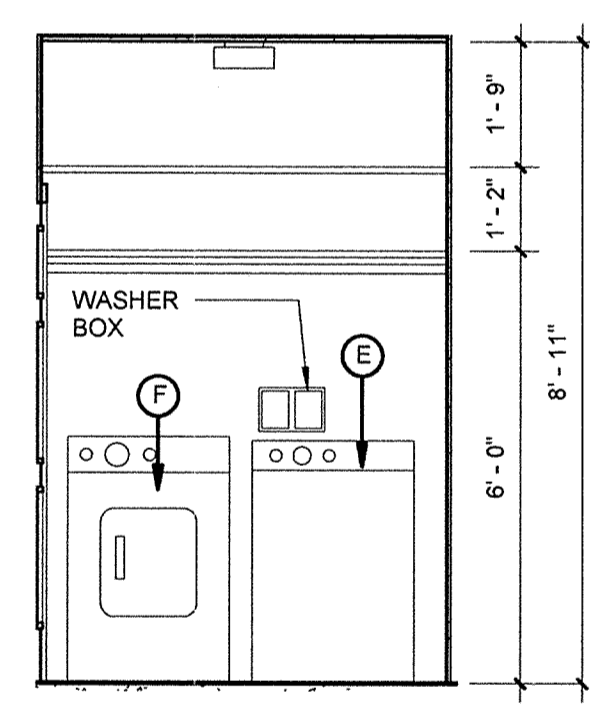
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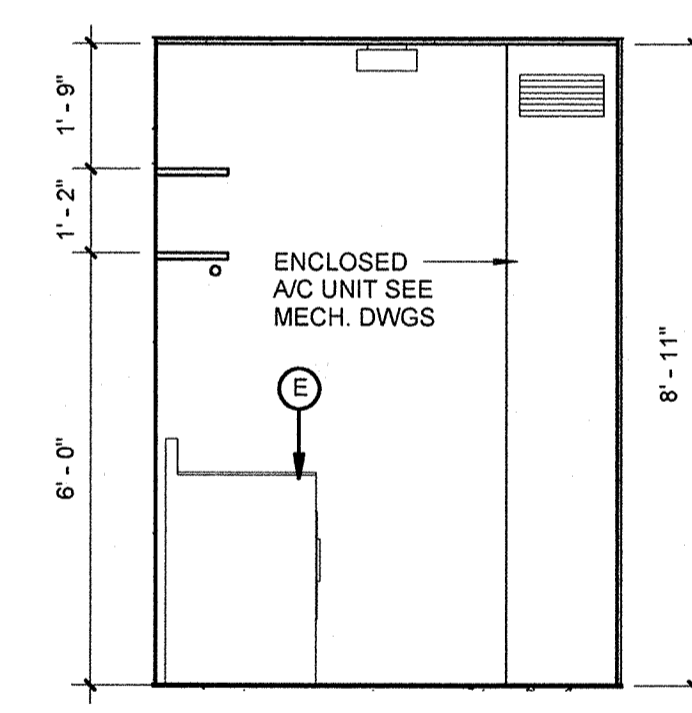
**F1 ENLARGED LAUNDRY PLAN**  
3/8" = 1'-0"



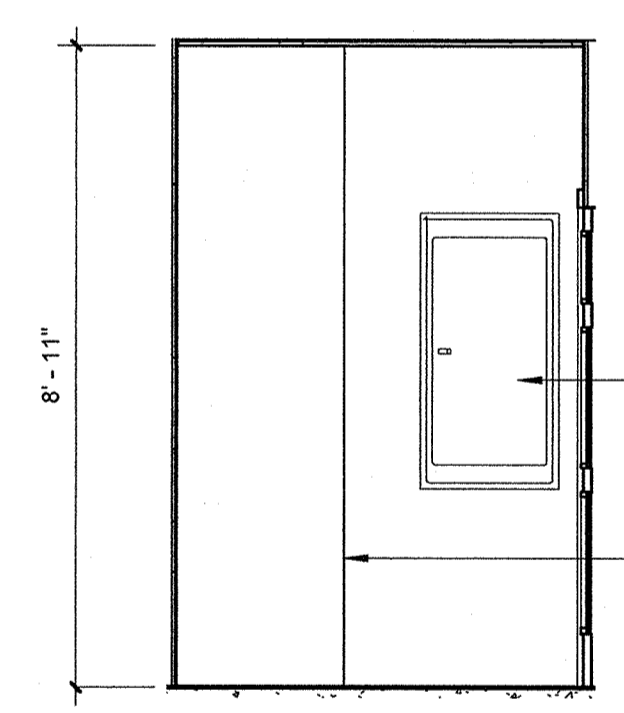
**F2 LAUNDRY ELEVATION**  
3/8" = 1'-0"



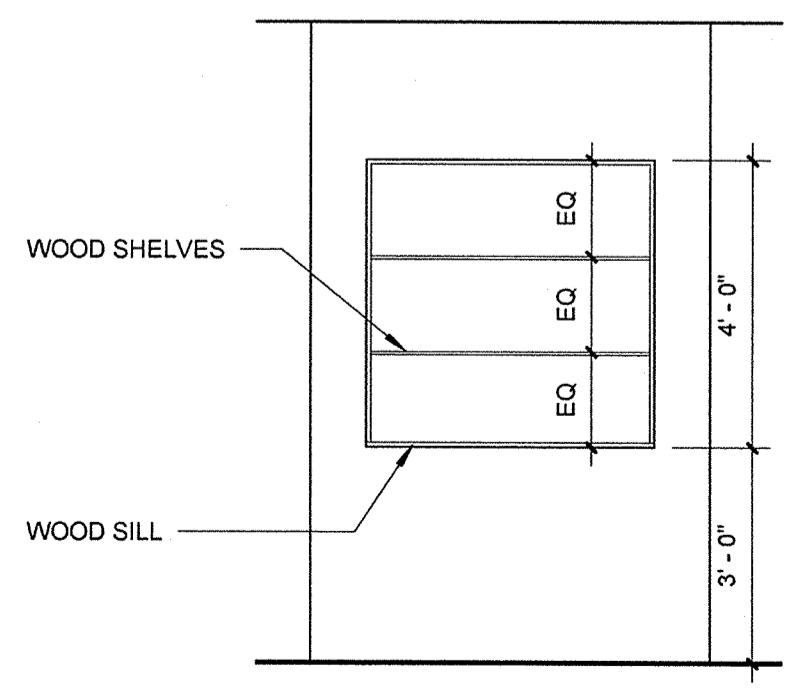
**F3 LAUNDRY ELEVATION**  
3/8" = 1'-0"



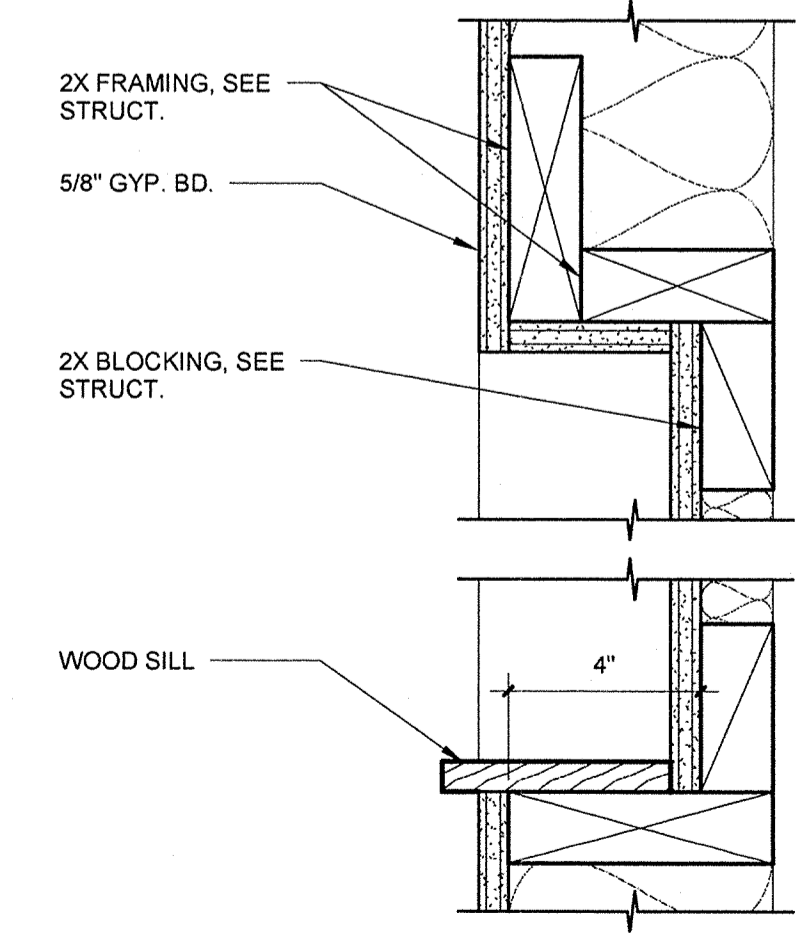
**F4 LAUNDRY ELEVATION**  
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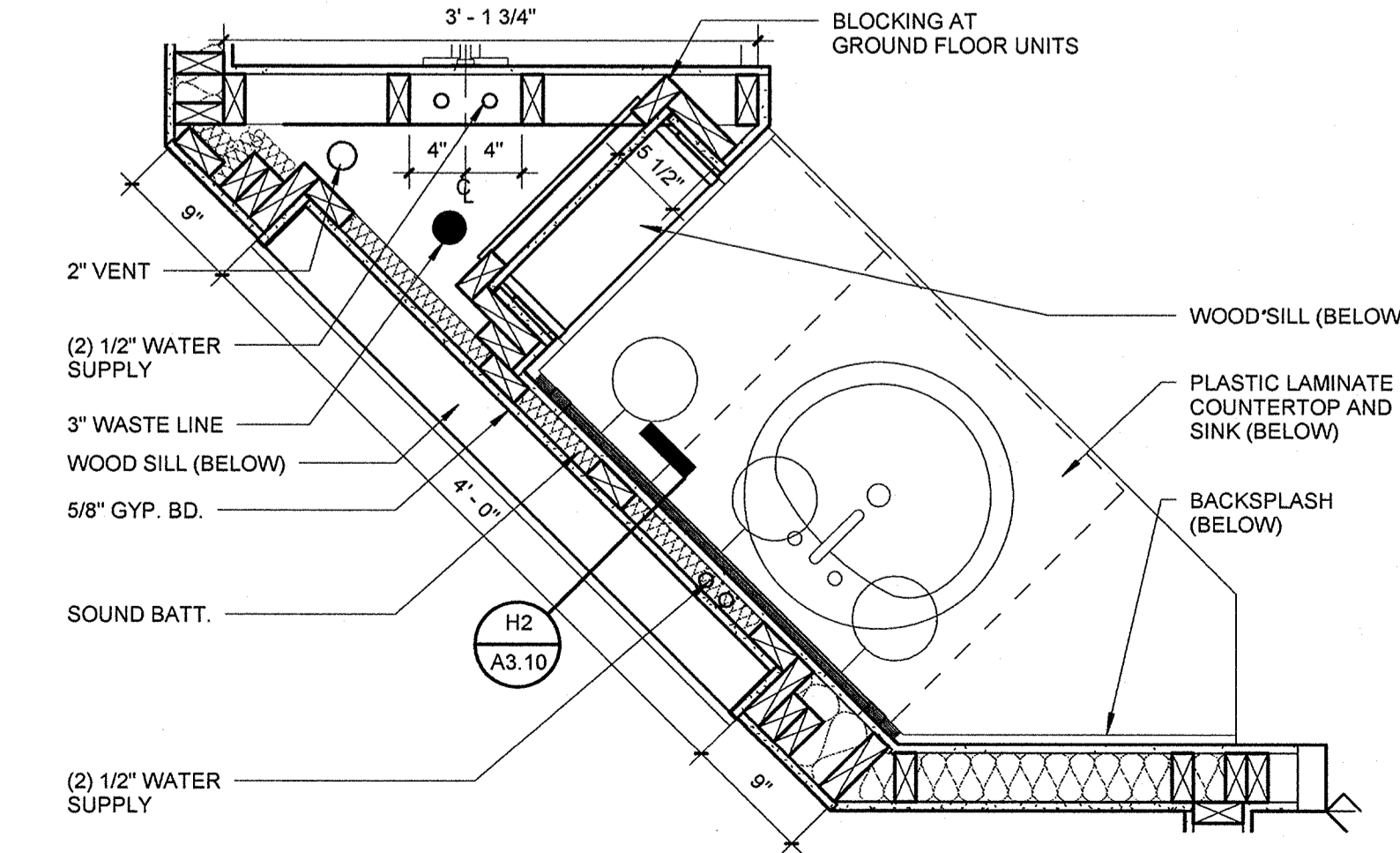
**F5 LAUNDRY ELEVATION**  
3/8" = 1'-0"



**H1 WALL NICHE ELEVATION**  
3/8" = 1'-0"



**H2 WALL NICHE SECTION DETAIL**  
3" = 1'-0"



**H3 PARTIAL BATHROOM AND WALL NICHE PLAN**  
1" = 1'-0"



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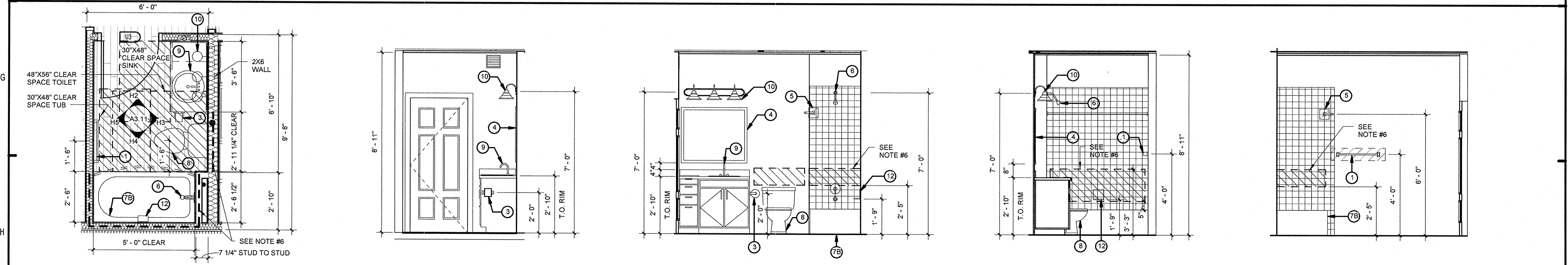
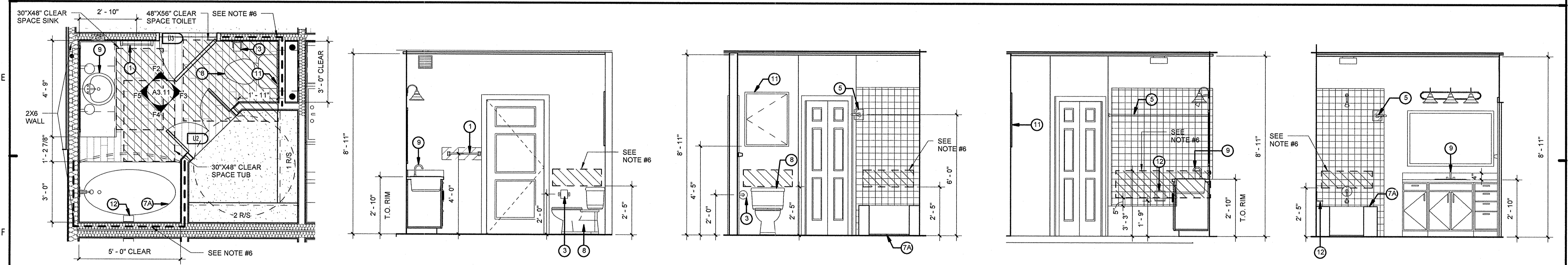
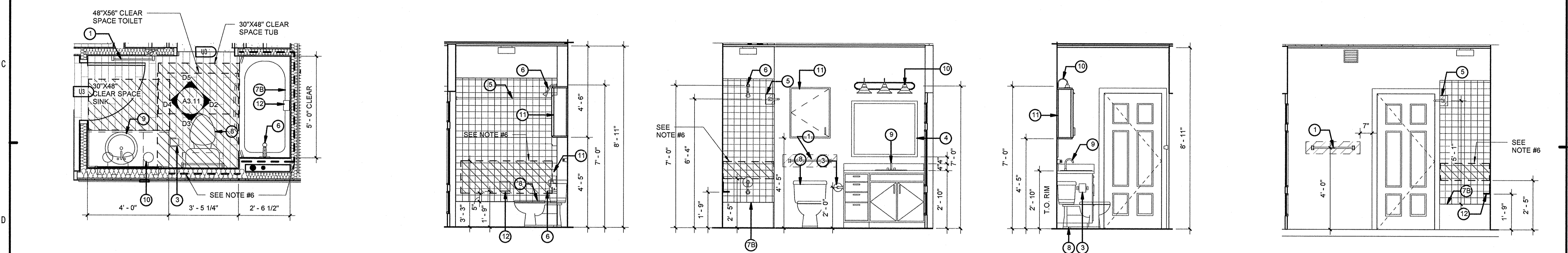
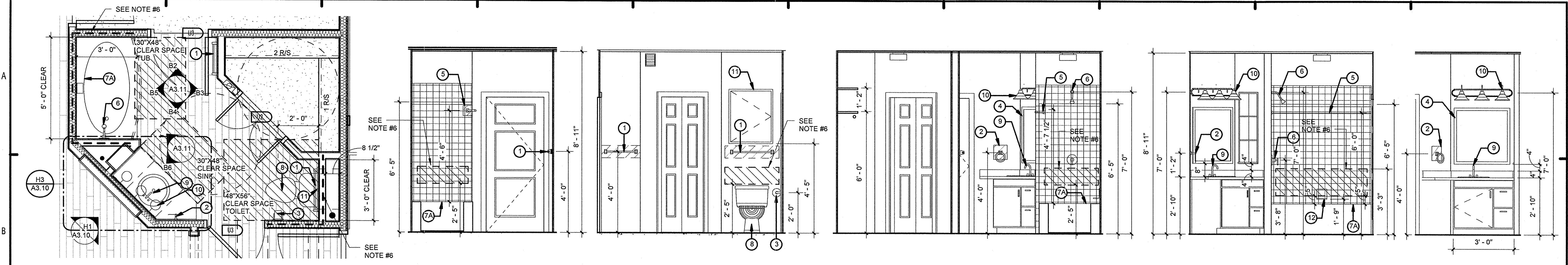
**SUMMER BAY APARTMENTS**  
Lake County, FL

**ENLARGED KITCHEN PLANS** A3.10

Drawn: KP  
Checked: KL  
Approval: [Signature]  
Date: 11/15/2013  
Project #: 5160

KEVIN LINNAN  
FLORIDA LICENSE # AR0017385

[Signature]



PERMIT REVIEW

NOTES:

- REFER TO SHEET A3.12 FOR INTERIOR MATERIAL FINISH SCHEDULE.
- REFER TO SHEET A3.11 FOR FUTURE GRAB BAR MOUNTING HEIGHTS, SIZES AND REINFORCEMENT REQUIREMENTS.
- LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER CONTROLS SHALL BE POSITIONED IN ACCESSIBLE LOCATIONS AND MOUNTING HEIGHTS TO COMPLY WITH THE FAIR HOUSING DESIGN MANUAL FOR GROUND FLOOR ONLY.
- FAIR HOUSING ACCESS REQUIREMENTS OCCUR ON GROUND LEVEL UNITS ONLY.
- REFER TO UNIT PLANS FOR ADDITIONAL INFORMATION AND CONFIRMATION OF FINISH AREA INFORMATION.
- PROVIDE BLOCKING AT FAIR HOUSING UNITS AT GROUND LEVEL ONLY. SEE PLANS FOR DIMENSIONS.

ISSUE HISTORY

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1	11/15/2013	ISSUE FOR PERMIT
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No.	Date	Description



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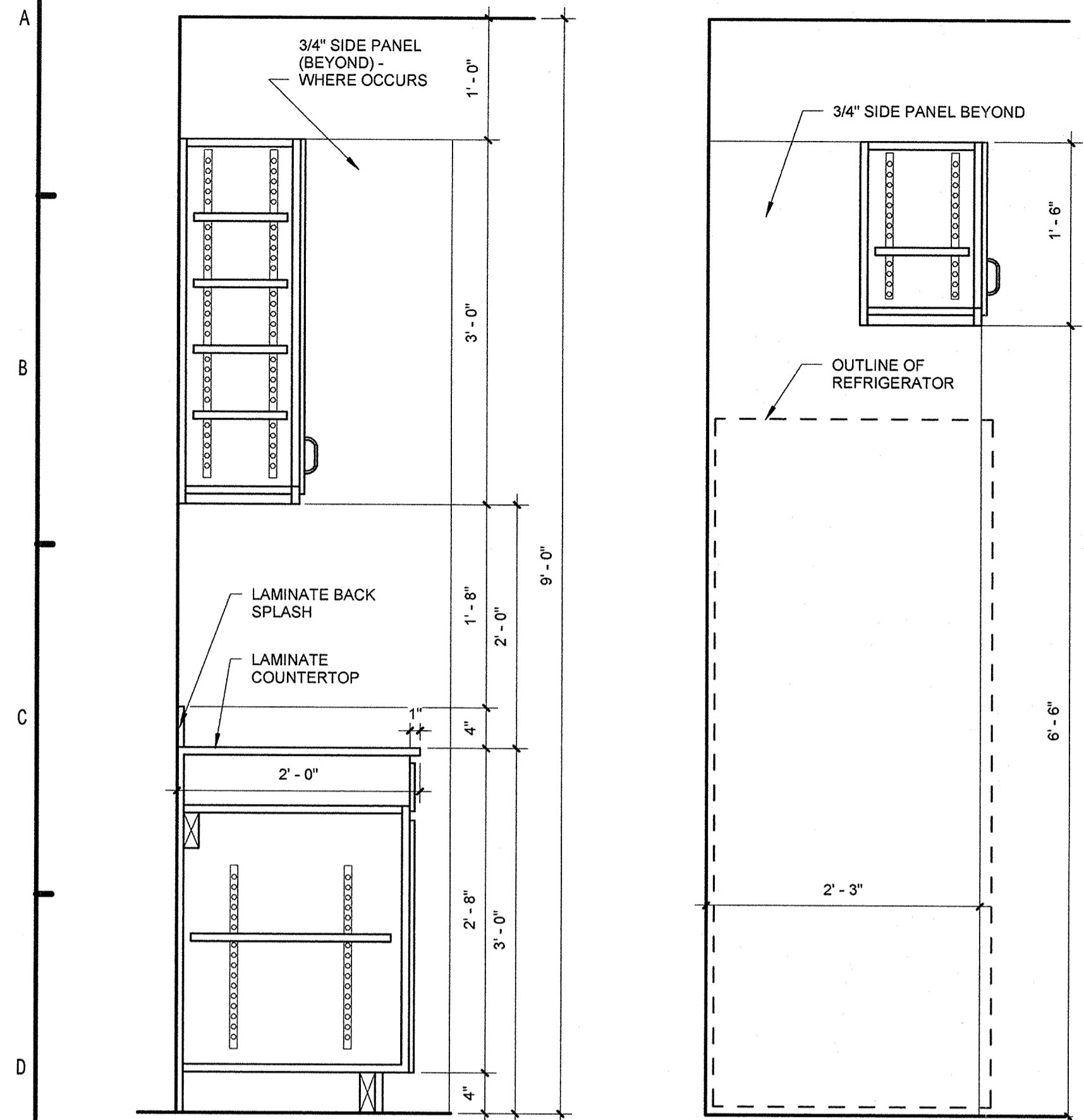
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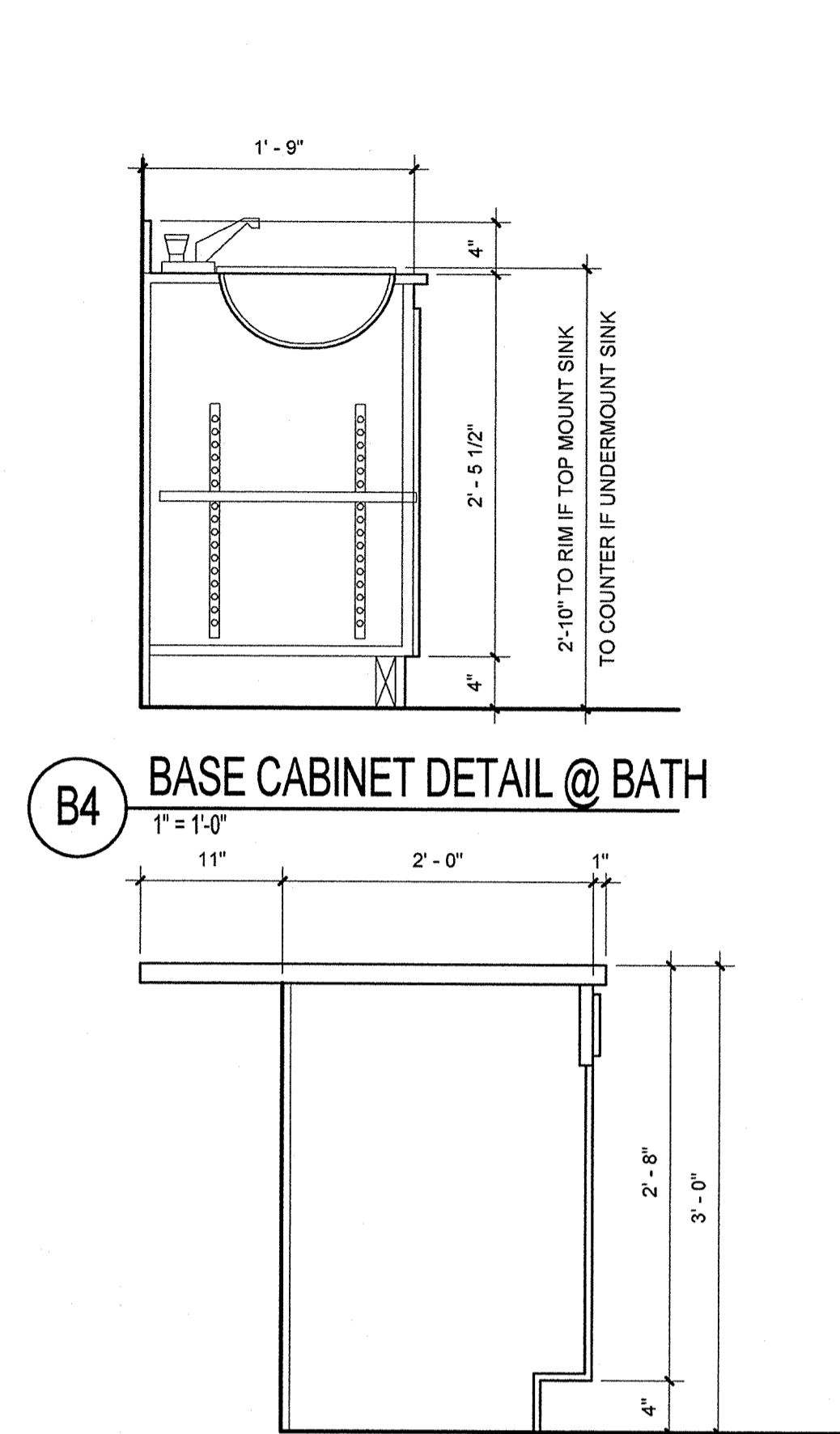
**ENLARGED BATHROOM PLANS A3.11**

KEN LINDSEY  
FLORIDA LICENSE #AR0017385



**D1** TYP. KITCHEN CABINET DETAIL  
1" = 1'-0"

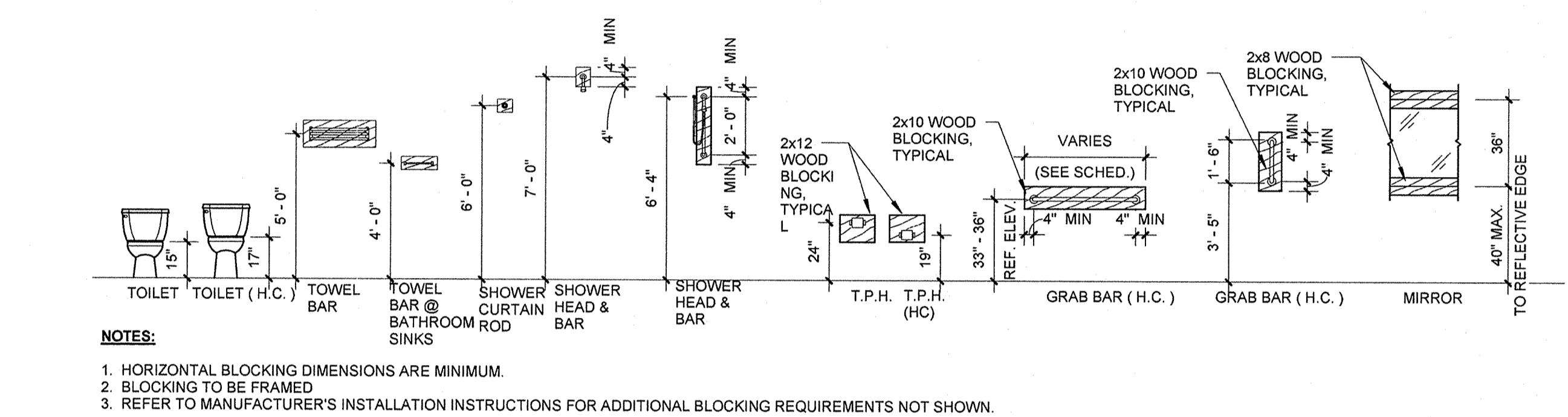
**D2** CABINET DETAIL  
1" = 1'-0"



**B4** BASE CABINET DETAIL @ BATH  
1" = 1'-0"

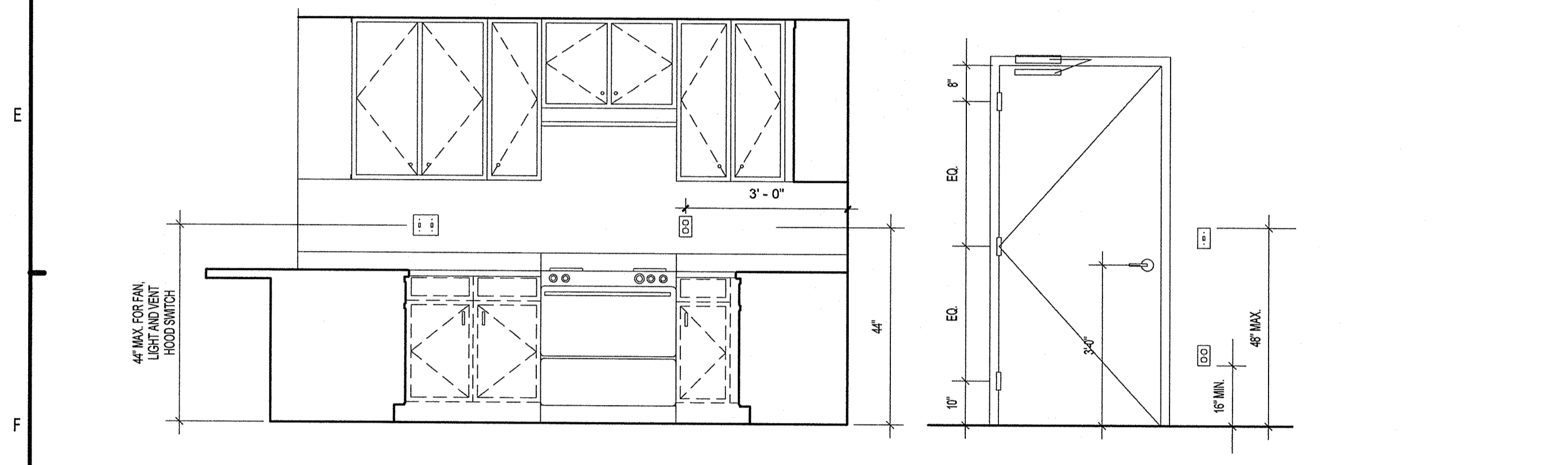
**D4** CABINET DETAIL @ KITCHEN  
1" = 1'-0"

REF #	DESCRIPTION	MFGR	MODEL NUMBER	REMARKS
1	18" or 24" TOWEL BAR	FRANKLIN BRASS	5518SF, 5524SF	
2	TOWEL RING	FRANKLIN BRASS	5518SF	
3	TOILET PAPER DISPENSER	FRANKLIN BRASS	5588SF	
4	MIRROR	FRANKLIN BRASS	5588SF	
5	CURVED SHOWER ROD	SEACHROME	SR-18-C6036 W/ 507 CEILING SUPPORT	
6	SHOWER HEAD	SEACHROME	SR2060	
7	SHOWER ROD	SEACHROME	SR2060	
7A	36" X 60" BATH TUB			
7B	30" X 60" BATH TUB			
8	WATER CLOSET			
9	SINK FAUCET FIXTURES			
10	LIGHT FIXTURE			
11	BATH CABINET			RECESSED
12	SOAP DISH			
13	BATH CABINET SHELVES			
14	GRAB BARS			
15	SHOWER HEAD W/ ADJUSTABLE BAR			

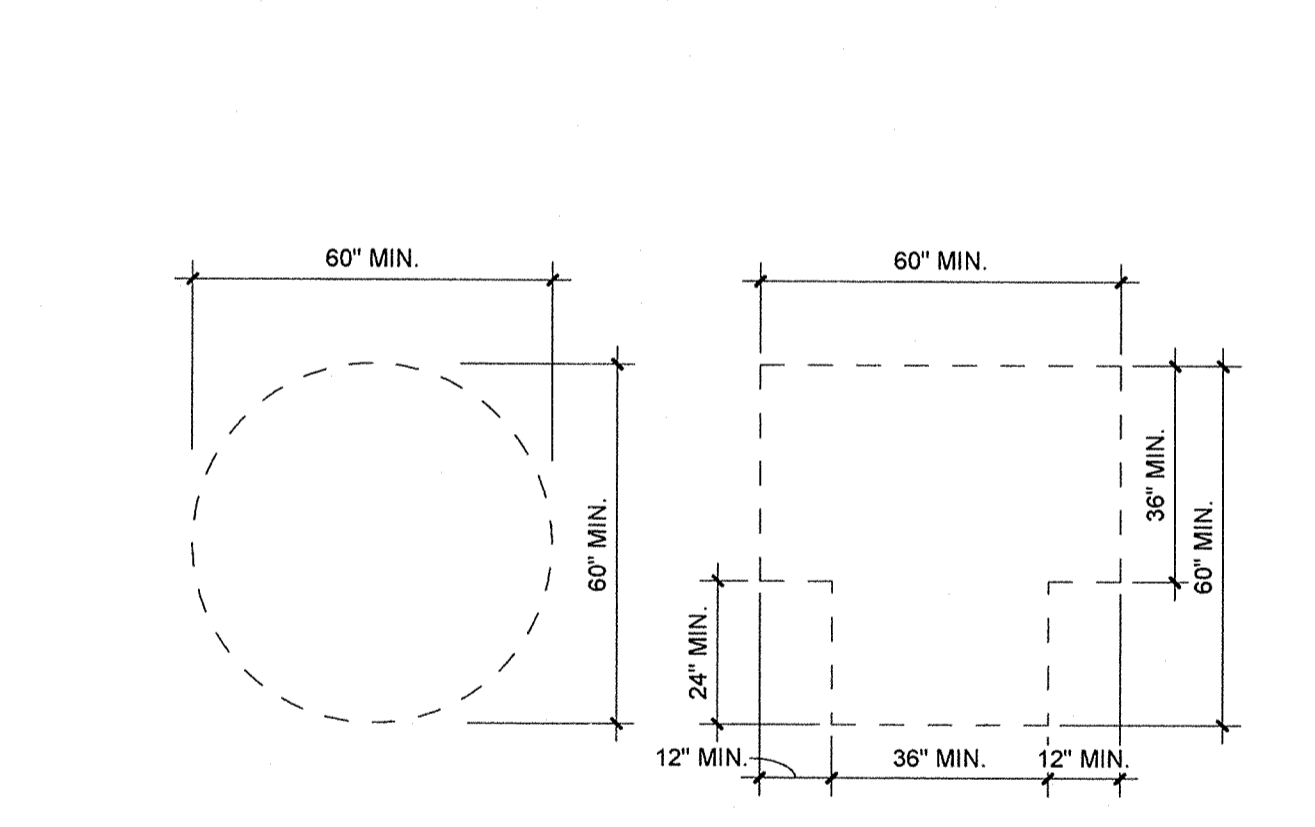


- NOTES:**
- HORIZONTAL BLOCKING DIMENSIONS ARE MINIMUM.
  - BLOCKING TO BE FRAMED.
  - REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL BLOCKING REQUIREMENTS NOT SHOWN.

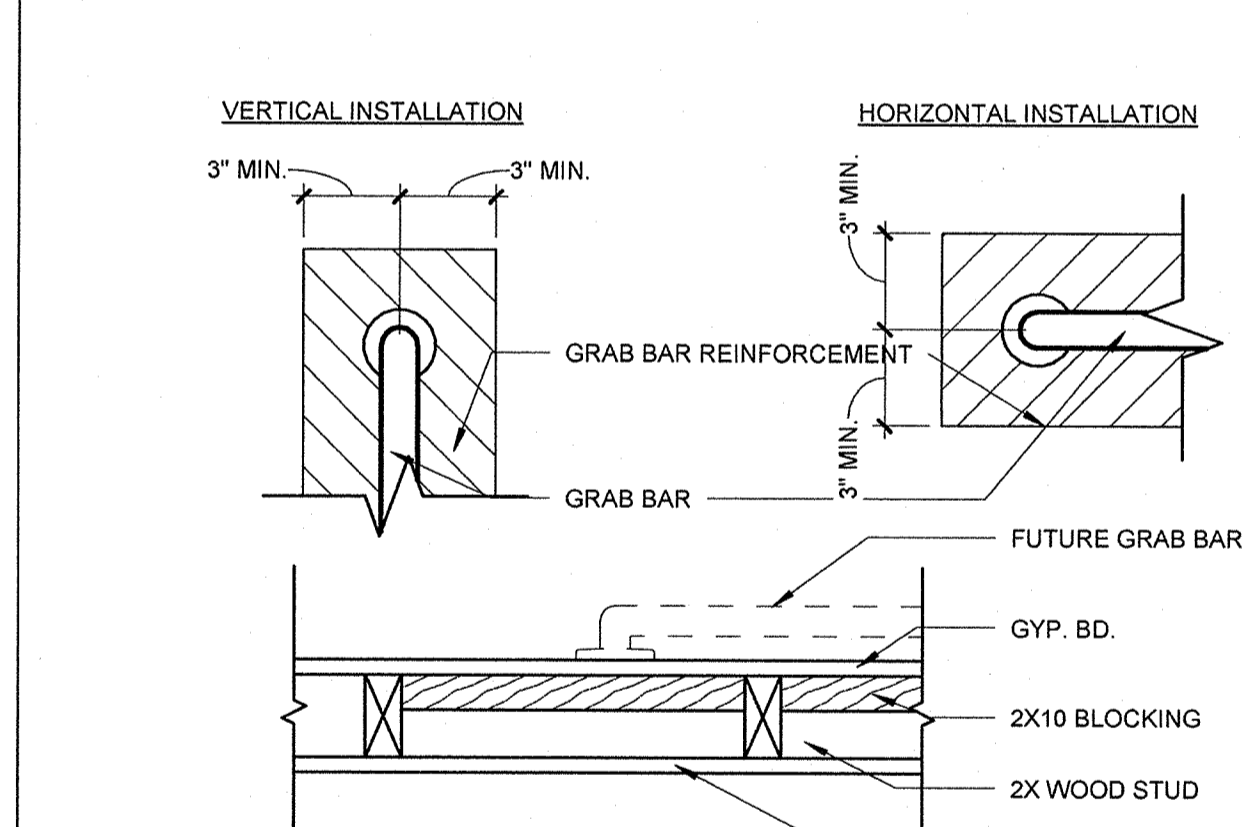
**BATHROOM FIXTURES - REQUIRED ELEVATIONS**  
1/4" = 1'-0"



**F1** TYPICAL MOUNTING HEIGHTS  
1/2" = 1'-0"

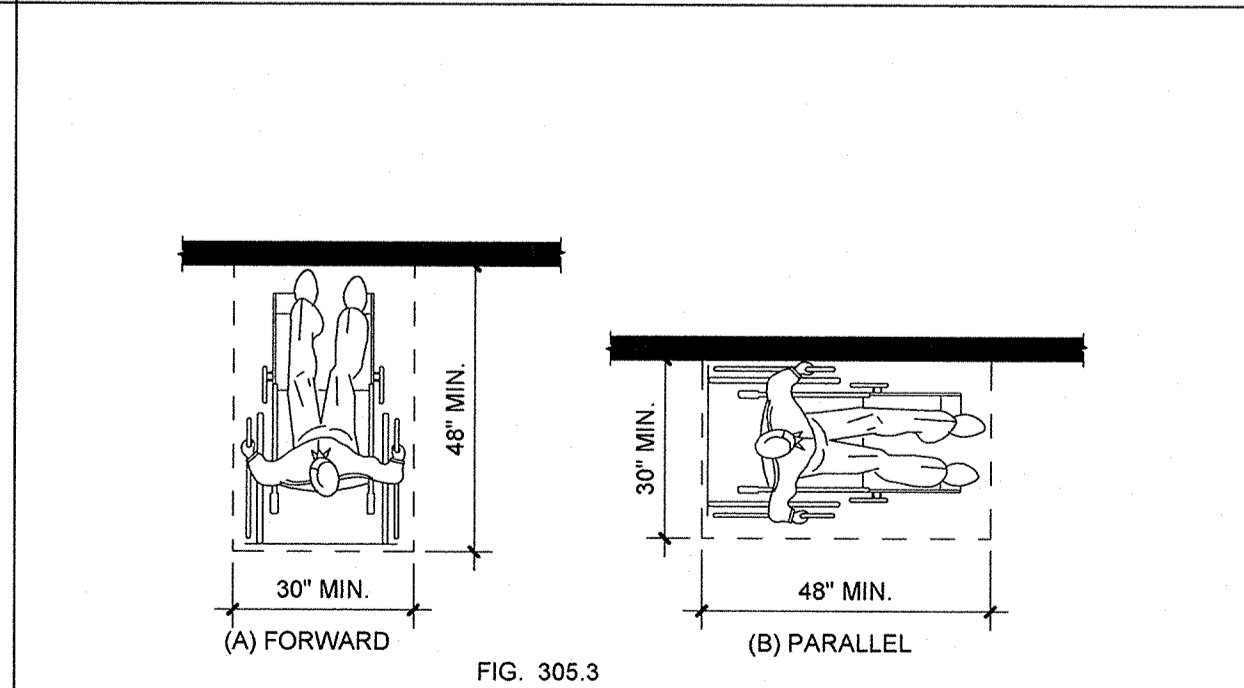


**F6** SIZE OF TURNING SPACE  
3/8" = 1'-0"



**F8** BLOCKING FOR FUTURE GRAB BARS  
1 1/2" = 1'-0"

MARK	SPACE DESIGNATION	FLOOR MATERIAL	BASE MATERIAL	FINISH SCHEDULE - UNITS								REMARKS		
				WALLS				CEILING						
				NORTH MATERIAL	NORTH FINISH	EAST MATERIAL	EAST FINISH	SOUTH MATERIAL	SOUTH FINISH	WEST MATERIAL	WEST FINISH		MATERIAL	FINISH
U01	FOYER	VIN	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U02	LAUNDRY	VIN	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U03	DINING	VIN	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U04	KITCHEN	VIN	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U05	LIVING ROOM	VIN	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U06	BATH #1	VIN	WD	GWB/TILE	PNT	GWB/TILE	PNT	GWB/TILE	PNT	GWB/TILE	PNT	GWB	PNT	SEE INTERIOR ELEVATIONS FOR MIX
U07	WALK-IN #1	CPT	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U08	MASTER BEDROOM	CPT	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U09	CLOSET	CPT	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U10	BALCONY	CONC	WD	-OPEN/TRIM-	PNT	-OPEN/TRIM-	PNT	GWB	PNT	GWB	PNT	GWB	PNT	SEE ELEVATIONS FOR INFORMATION
U11	BEDROOM #1	CPT	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U12	MASTER BATH	VIN	WD	GWB/TILE	PNT	GWB/TILE	PNT	GWB/TILE	PNT	GWB/TILE	PNT	GWB	PNT	SEE INTERIOR ELEVATIONS FOR MIX
U13	MASTER WALK-IN	CPT	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U14	HALLWAY	VIN	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U15	LIVING/DINING	VIN	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U16	WALK-IN #2	CPT	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
U17	BEDROOM #2	CPT	WD	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	



**G8** POSITION OF CLEAR FLOOR SPACE  
3/8" = 1'-0"

**PERMIT REVIEW**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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3		
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- NOTES:**
- REFER TO SHEET A3.04 FOR INTERIOR MATERIAL FINISH SCHEDULE, FUTURE GRAB BAR MOUNTING HEIGHTS, SIZES AND REINFORCEMENT REQUIREMENTS.
  - REFER TO DOOR SCHEDULE FOR ACCESSIBLE MODIFICATIONS TO STANDARD DOOR TYPES (i.e. TYPE U3 > U3A / U4 > U4A).
  - LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER CONTROLS SHALL BE POSITIONED IN ACCESSIBLE LOCATIONS AND MOUNTING HEIGHTS TO COMPLY WITH THE FAIR HOUSING DESIGN MANUAL FOR GROUND FLOOR ONLY.
  - FAIR HOUSING ACCESS REQUIREMENTS OCCUR ON GROUND LEVEL UNITS ONLY.
  - REFER TO UNIT PLANS FOR ADDITIONAL INFORMATION AND CONFIRMATION OF FINISH AREA INFORMATION.
  - PROVIDE BLOCKING AT FAIR HOUSING UNITS AT GROUND LEVEL ONLY. SEE PLANS FOR DIMENSIONS.

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**SUMMER BAY APARTMENTS**  
Lake County, FL

UNIT SCHEDULES AND ACCESSORIES

**A3.12**

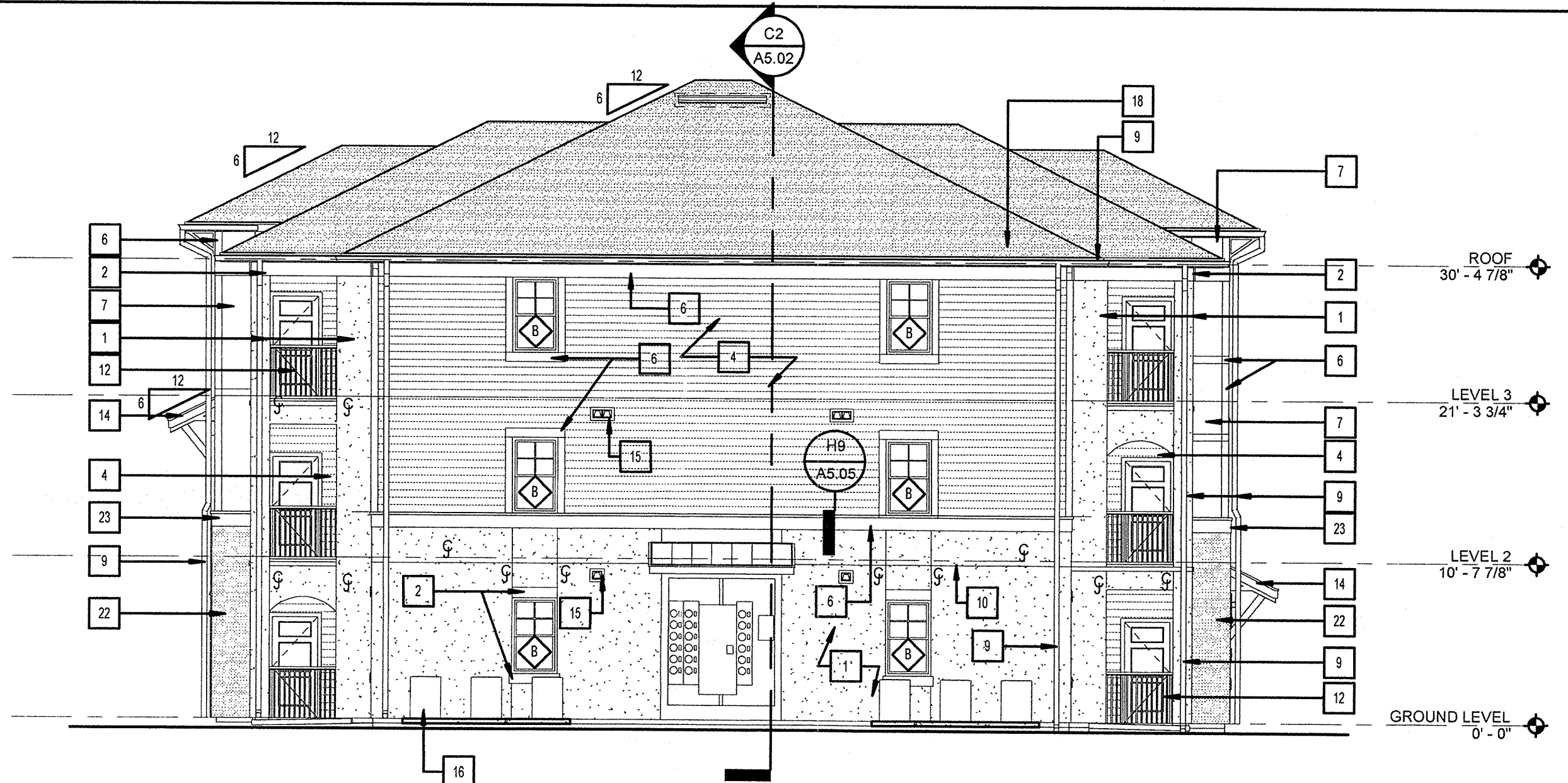
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Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5169

REN LINDEMAN  
FLORIDA LICENSE #AR0017285

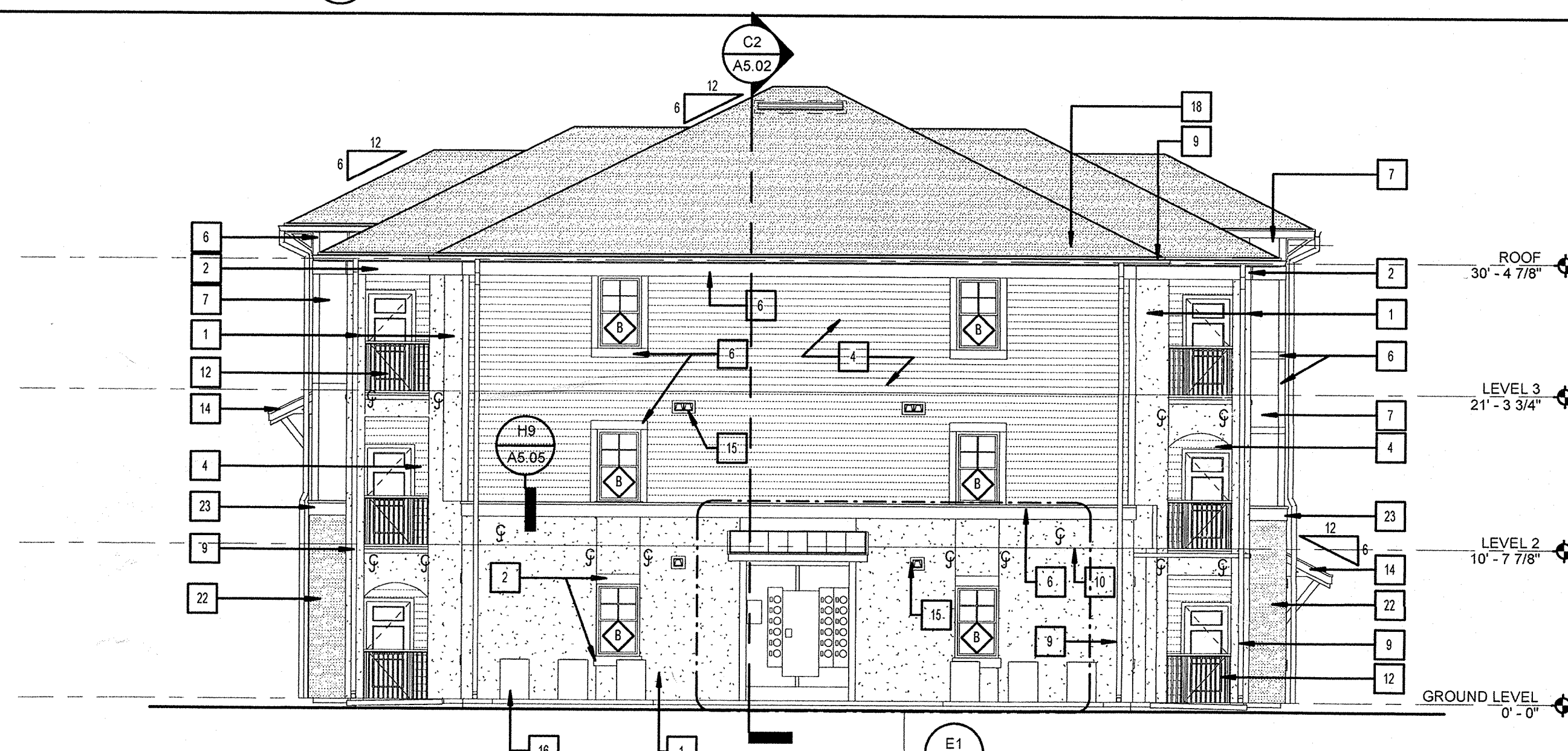
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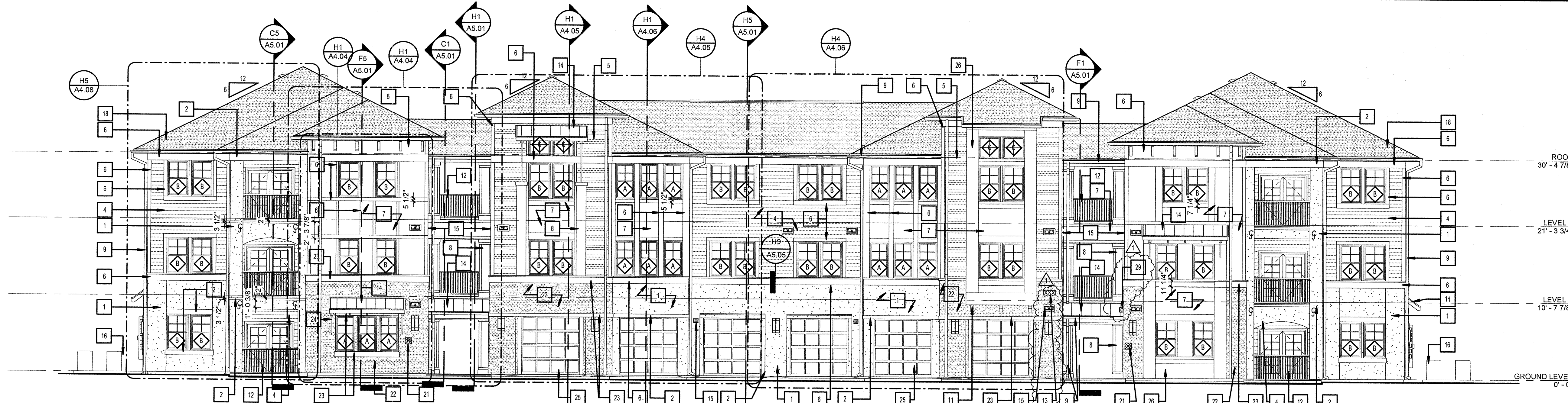
**C1 BUILDING 1 - NORTH ELEVATION**  
1/8" = 1'-0"  
E1/A2.01



**E1 BUILDING 1 - WEST ELEVATION**  
1/8" = 1'-0"  
E1/A2.01



**E6 BUILDING 1 - EAST ELEVATION**  
1/8" = 1'-0"  
E1/A2.01



**H1 BUILDING 1 - SOUTH ELEVATION**  
1/8" = 1'-0"  
E1/A2.01

NEW BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS PLACED IN A POSITION TO BE PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS NUMBERS SHALL CONTRAST FROM THEIR BACKGROUND. ADDRESS SHALL BE ARABIC NUMERALS OR ALPHABET LETTERS. ADDRESS NUMBERS SHALL BE AT LEAST 6" IN HEIGHT.

NOTE: BUILDING ORIENTATION (NORTH, SOUTH, EAST, WEST) - IS SHOWN FOR CONVENTION ONLY. - SEE CIVIL SITE PLAN FOR INDIVIDUAL BUILDING ORIENTATION.

PERMIT REVIEW		
<b>KEY NOTES</b>		
1	STUCCO	
2	STUCCO TRIM - SMOOTH FINISH	
3	FIBER CEMENT SIDING - 4" EXPOSURE	
4	FIBER CEMENT SIDING - 6" EXPOSURE	
5	FIBER CEMENT SIDING - 4" / 8" SKIP EXPOSURE	
6	FIBER CEMENT TRIM	
7	FIBER CEMENT PANEL	
8	FIBER CEMENT PANEL BUILD-OUT COLUMN	
9	ALUMINUM GUTTER AND DOWNSPOUT	
10	STUCCO CONTROL JOINT - SEE DETAIL	
11	MANUFACTURED BRACKET (FYFON 24X18X4S @ UPPER ROOF, FYFON COR08X12S @ OVERHANG)	
12	METAL GUARD RAIL	
13	36" H. FIRST FLOOR RAILINGS	
14	42" H. SECOND AND THIRD FLOOR (TYP.)	
15	SIGNAGE LOCATION (SIGN TO MEET REQ'D OF LOCAL JURISDICTION FOR SIZE & TYPE)	
16	METAL ROOF - (BERRIDGE CEE LOCK OR EQ)	
17	LAUNDRY / BATHROOM EXHAUST VENTS	
18	CONDENSING UNIT - SEE MECHANICAL	
19	FLASHING	
20	FIBERGLASS REINFORCED ARCHITECTURAL SHINGLES	
21	FIBER CEMENT BATTENS	
22	FIBER CEMENT FASCIA BOARD	
23	CAST STONE VENEER	
24	STONE TRIM	
25	STRUCTURAL BRACKET	
26	GARAGE DOOR - SEE DOOR SCHEDULE	
27	FIBER CEMENT BOXED-OUT DECORATIVE ELEMENT	
28	RIDGE VENT	
29	LIGHT FIXTURE (SEE ELECTRICAL)	
30	KEYED LOCK BOX FOR THE LOCAL FIRE DEPARTMENT. LOCATE PER AHJ'S RECOMMENDATION	
NOTE: 1ST 4'-0" OF GROUND FLOOR BUILDING SHEATHING TO BE PRESSURE TREATED AROUND PERIMETER OF ENTIRE BUILDING.		
ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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No.	Date	Description
1	12/23/2013	PERMIT COMMENTS #1

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**SUMMER BAY APARTMENTS**  
Lake County, FL

**BUILDING TYPE 1 - ELEVATIONS** A4.01

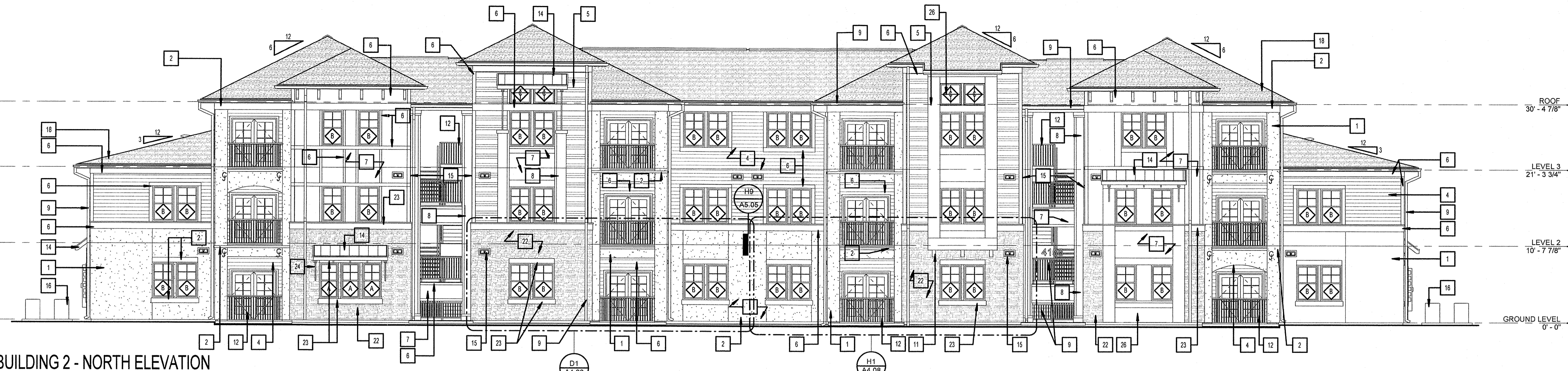
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Checked	KL
Approved	KL
Date	11/15/2013
Project #	5169

KEVIN LINDSEY  
FLORIDA LICENSE # AW0107365

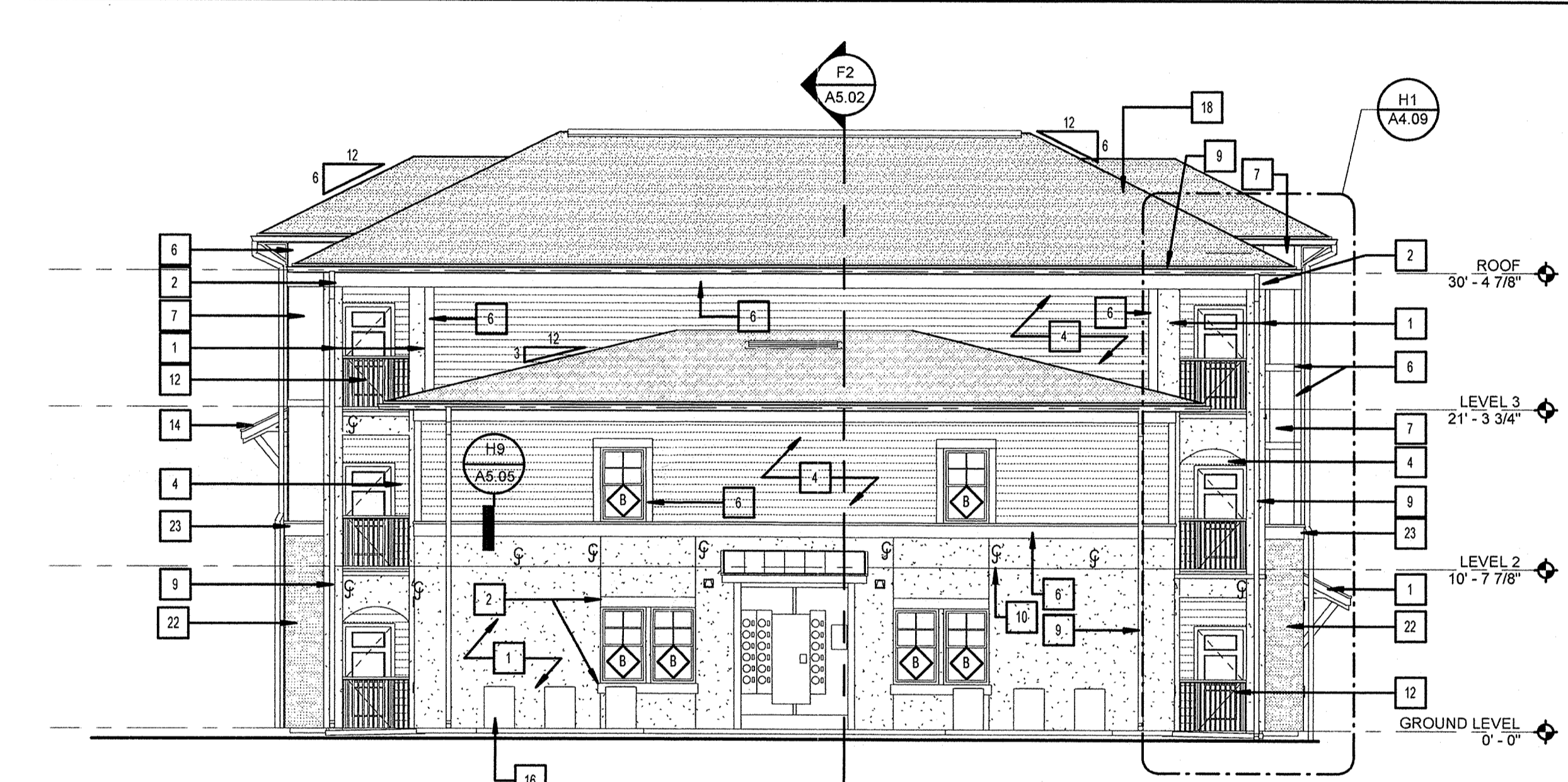
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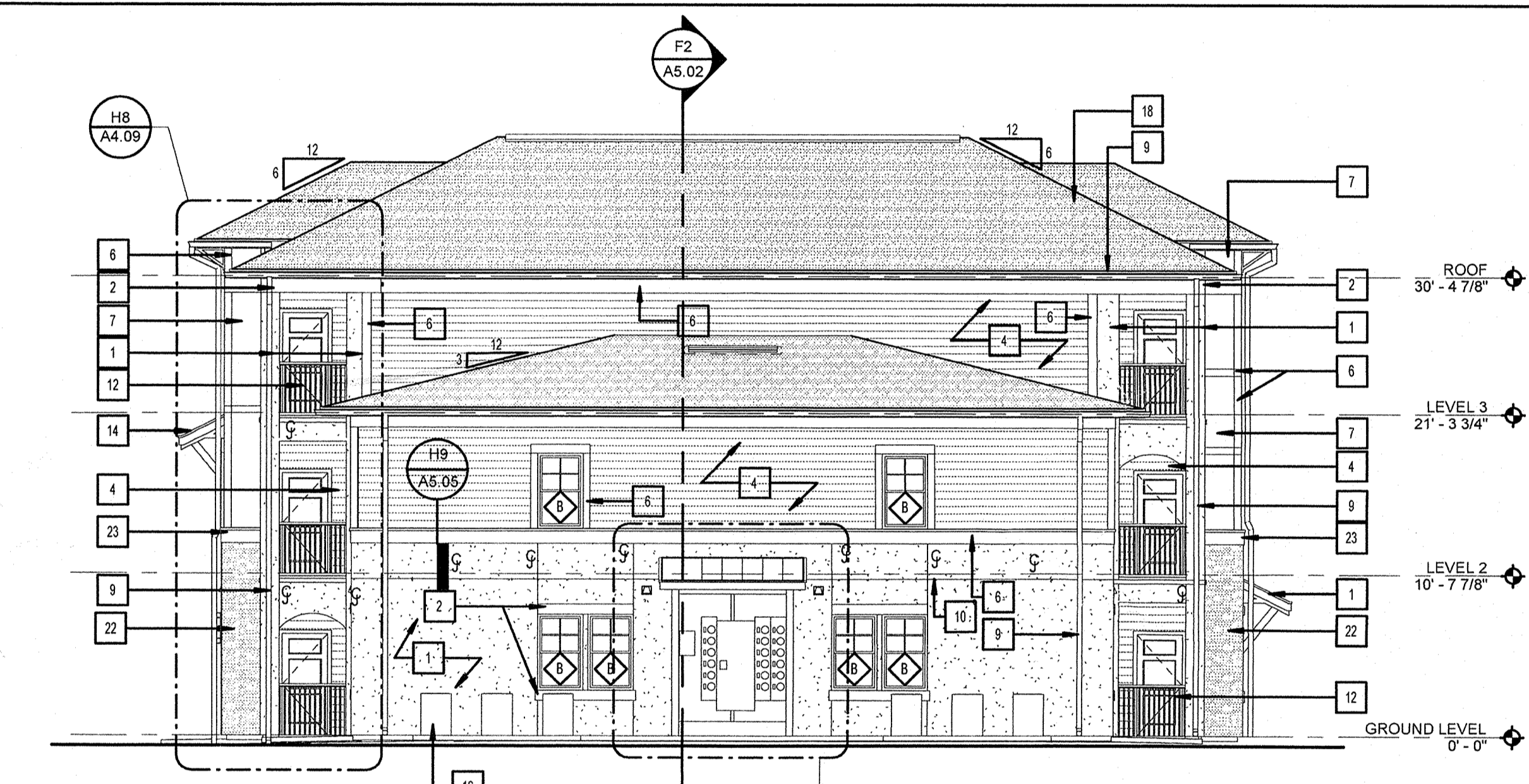
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Lindsey.nst PLOTTED: 12/23/2013 9:32:13 AM



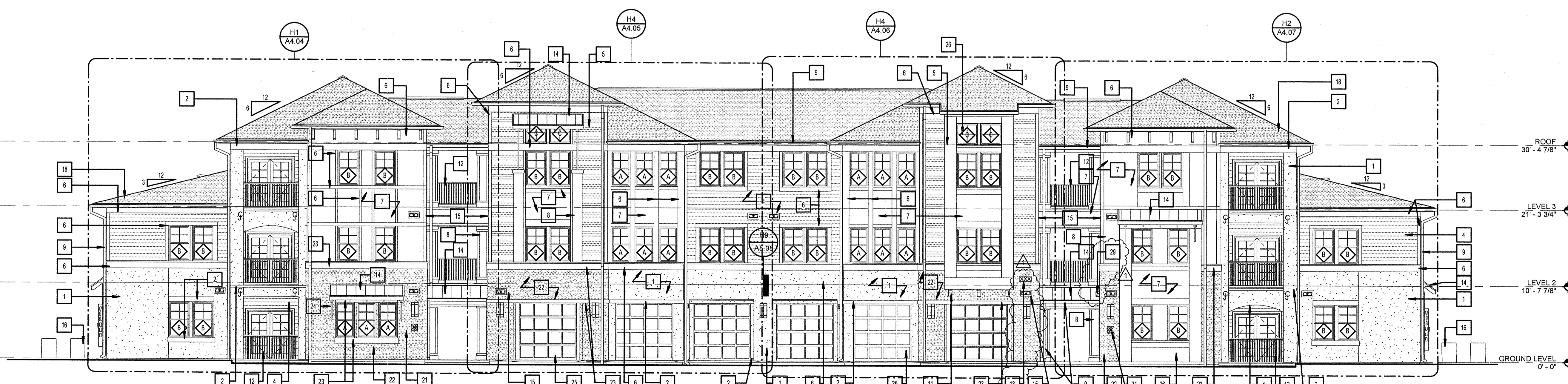
**C1** BUILDING 2 - NORTH ELEVATION  
1/8" = 1'-0" E1/A2.05



**E1** BUILDING 2 - WEST ELEVATION  
1/8" = 1'-0" E1/A2.05



**E6** BUILDING 2 - EAST ELEVATION  
1/8" = 1'-0" E1/A2.05



**H1** BUILDING 2 - SOUTH ELEVATION  
1/8" = 1'-0" E1/A2.05

- KEY NOTES**
- 1 STUCCO
  - 2 STUCCO TRIM - SMOOTH FINISH
  - 3 FIBER CEMENT SIDING - 4" EXPOSURE
  - 4 FIBER CEMENT SIDING - 6" EXPOSURE
  - 5 FIBER CEMENT SIDING - 4" / 6" SKIP EXPOSURE
  - 6 FIBER CEMENT TRIM
  - 7 FIBER CEMENT PANEL
  - 8 FIBER CEMENT PANEL BUILD-OUT COLUMN
  - 9 ALUMINUM GUTTER AND DOWNSPOUT
  - 10 STUCCO CONTROL JOINT - SEE DETAIL
  - 11 MANUFACTURED BRACKET (FYFON 24X18X4S @ UPPER ROOF, FYFON COROG8X12S @ OVERHANG)
  - 12 METAL GUARD RAIL
  - 13 36" H. FIRST FLOOR RAILINGS
  - 14 42" H. SECOND AND THIRD FLOOR (TYP.)
  - 15 SIGNAGE LOCATION (SIGN TO MEET REQ'D OF LOCAL JURISDICTION FOR SIZE & TYPE)
  - 16 METAL ROOF - (BERRIDGE CEE LOCK OR EQ)
  - 17 LAUNDRY / BATHROOM EXHAUST VENTS
  - 18 CONDENSING UNIT - SEE MECHANICAL
  - 19 FLASHING
  - 20 FIBERGLASS REINFORCED ARCHITECTURAL SHINGLES
  - 21 FIBER CEMENT BATTENS
  - 22 FIBER CEMENT FASCIA BOARD
  - 23 BUILDING FIRE SIGN, SIGN TO BE LOCATED ON FRONT OF BUILDING ONLY - SEE SITE PLAN FOR BUILDING ORIENTATION
  - 24 CAST STONE VENEER
  - 25 STONE TRIM
  - 26 STRUCTURAL BRACKET
  - 27 GARAGE DOOR, SEE DOOR SCHEDULE
  - 28 FIBER CEMENT BOXED-OUT DECORATIVE ELEMENT
  - 29 RIDGE VENT
  - 30 LIGHT FIXTURE (SEE ELECTRICAL)
  - 31 KEYED LOCK BOX FOR THE LOCAL FIRE DEPARTMENT, LOCATE PER AHJ'S RECOMMENDATION
- NOTE: 18" 4'-0" OF GROUND FLOOR BUILDING SHEATHING TO BE PRESSURE TREATED AROUND PERIMETER OF ENTIRE BUILDING.

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No.	Date	Description
1	12/23/2013	PERMIT COMMENTS #1

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**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn: KP	Checked: KL
Approved: KL	Date: 11/15/2013
Project #: 5169	

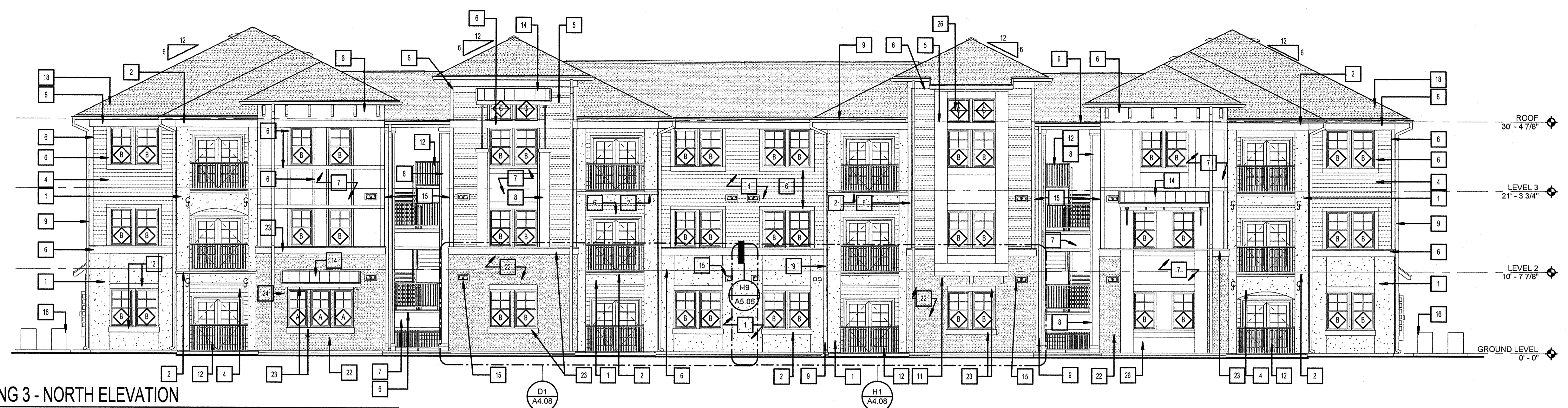
**BUILDING TYPE 2 - ELEVATIONS** A4.02

KEN LINEMAN  
FLORIDA LICENSE # AR0017385

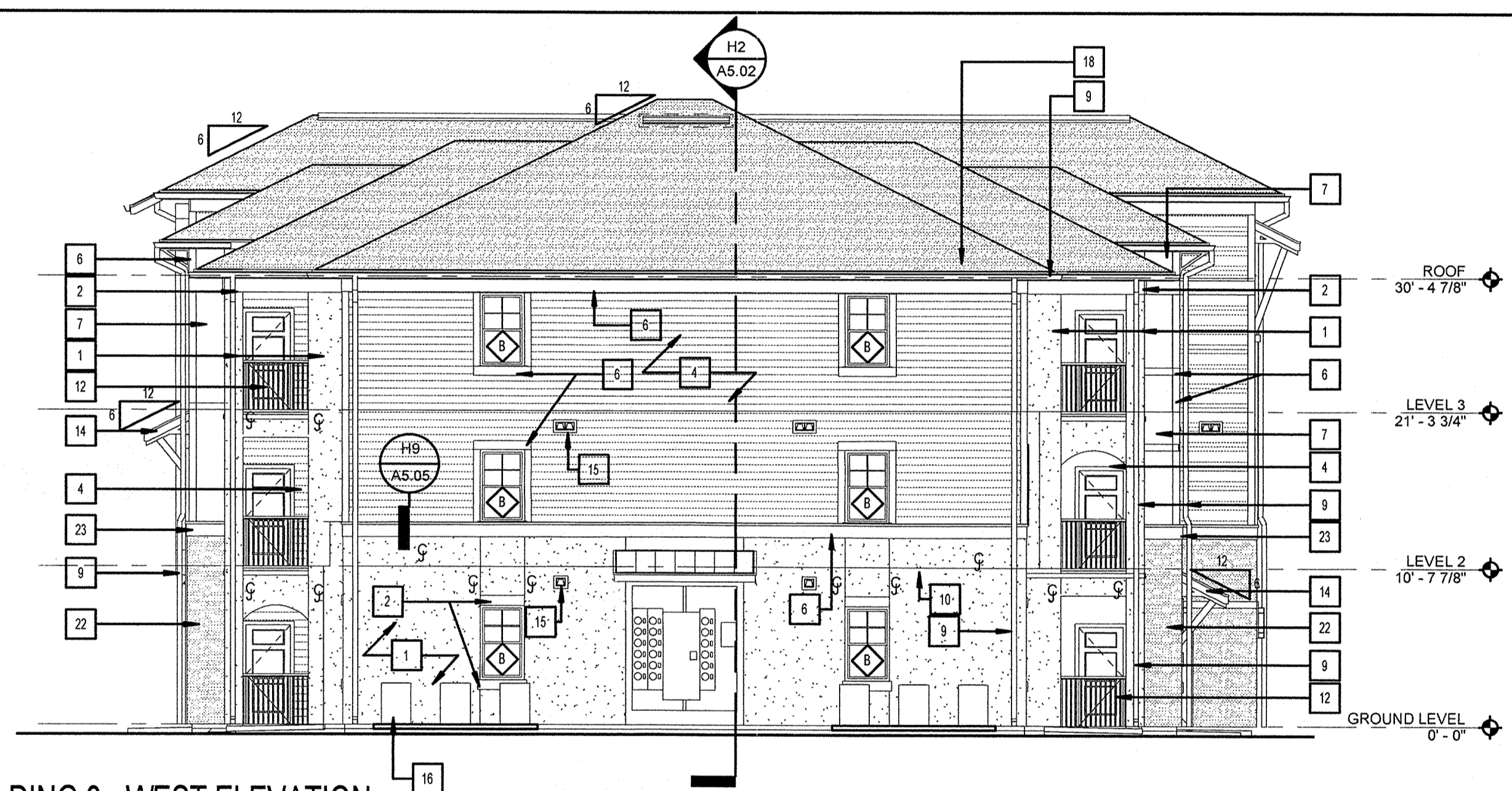
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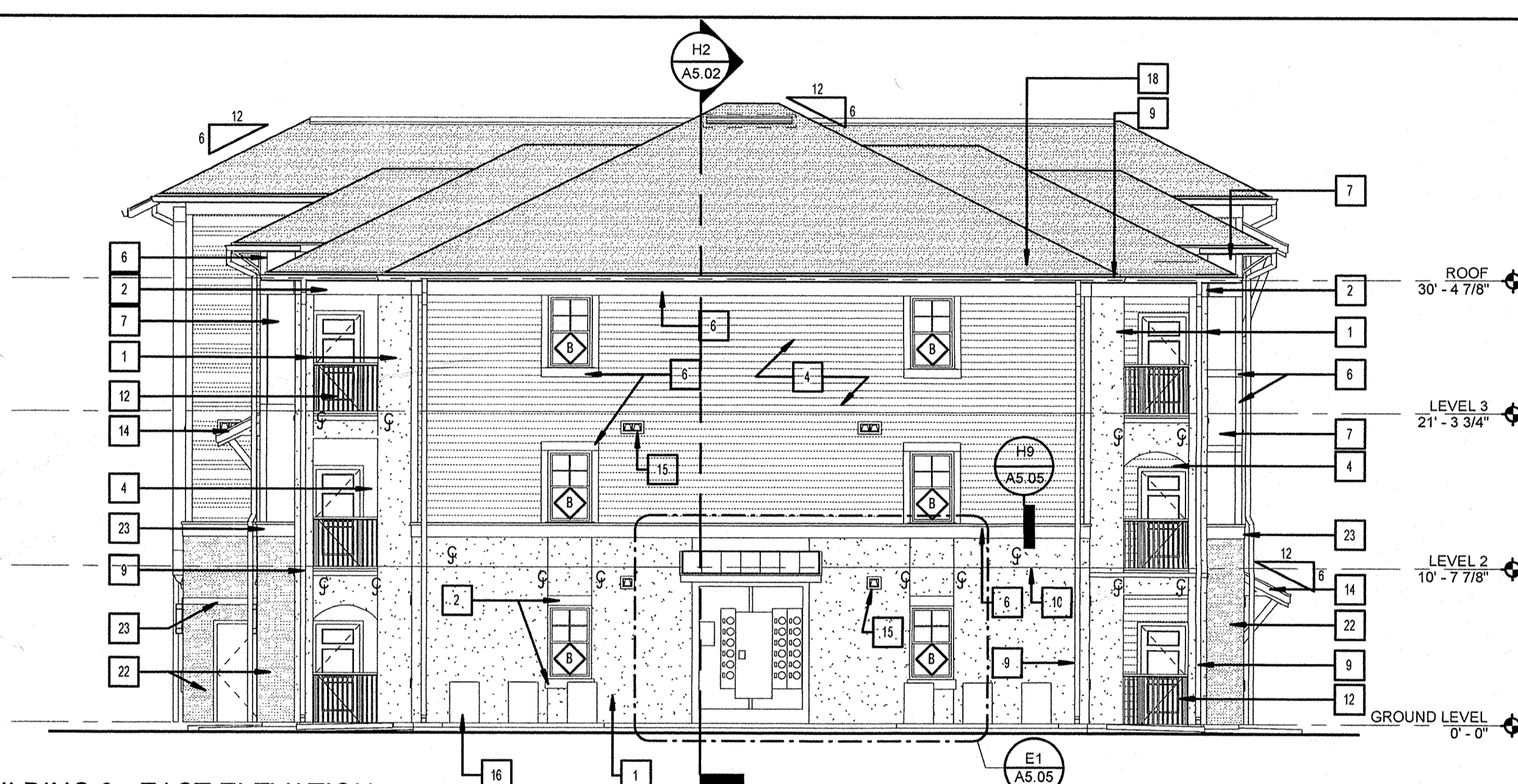
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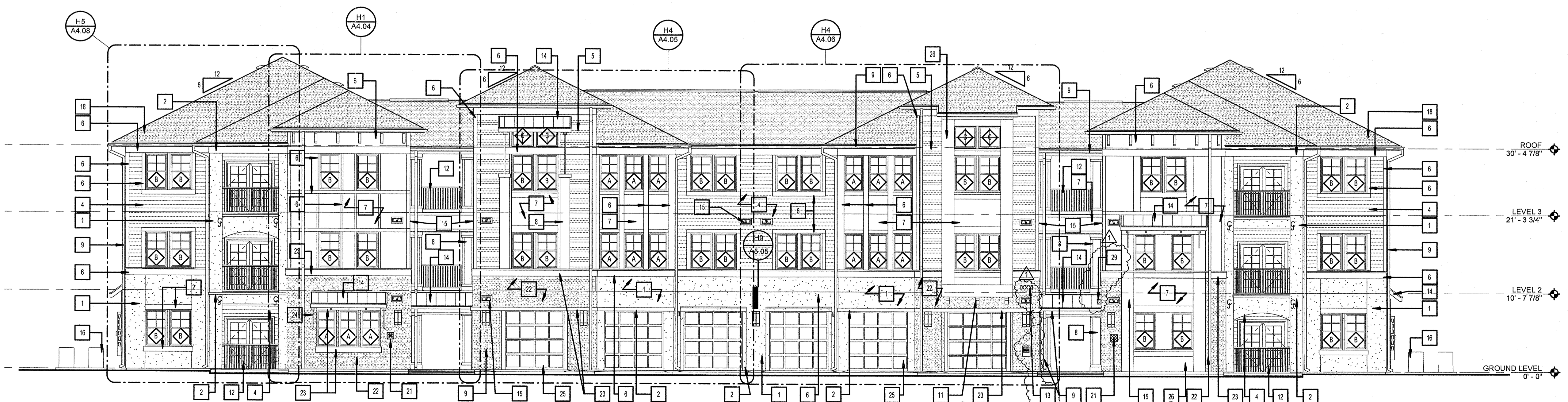
**C1** BUILDING 3 - NORTH ELEVATION  
1/8" = 1'-0"  
E1/A2.09



**E1** BUILDING 3 - WEST ELEVATION  
1/8" = 1'-0"  
E1/A2.09



**E6** BUILDING 3 - EAST ELEVATION  
1/8" = 1'-0"  
E1/A2.09



**H1** BUILDING 3 - SOUTH ELEVATION  
1/8" = 1'-0"  
E1/A2.09

- KEY NOTES**
1. STUCCO
  2. STUCCO TRIM - SMOOTH FINISH
  3. FIBER CEMENT SIDING - 4" EXPOSURE
  4. FIBER CEMENT SIDING - 6" EXPOSURE
  5. FIBER CEMENT SIDING - 4" / 6" SKIP EXPOSURE
  6. FIBER CEMENT TRIM
  7. FIBER CEMENT PANEL
  8. FIBER CEMENT PANEL BUILD-OUT COLUMN
  9. ALUMINUM GUTTER AND DOWNSPOUT
  10. STUCCO CONTROL JOINT - SEE DETAIL
  11. MANUFACTURED BRACKET (FYPON 24X18X4S @ UPPER ROOF, FYPON COROG8X12S @ OVERHANG)
  12. METAL GUARD RAIL
  13. 36" H. FIRST FLOOR RAILINGS
  14. 42" H. SECOND AND THIRD FLOOR (TYP.)
  15. SIGNAGE LOCATION (SIGN TO MEET REQ'D OF LOCAL JURISDICTION FOR SIZE & TYPE)
  16. METAL ROOF - (BERRIDGE CEE LOCK OR EQ)
  17. LAUNDRY / BATHROOM EXHAUST VENTS
  18. CONDENSING UNIT - SEE MECHANICAL
  19. FLASHING
  20. FIBERGLASS REINFORCED ARCHITECTURAL SHINGLES
  21. FIBER CEMENT BATTENS
  22. FIBER CEMENT FASCIA BOARD
  23. BUILDING FIRE SIGN, SIGN TO BE LOCATED ON FRONT OF BUILDING ONLY - SEE SITE PLAN FOR BUILDING ORIENTATION
  24. CAST STONE VENEER
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- NOTE: 1ST 4'-0" OF GROUND FLOOR BUILDING SHEATHING TO BE PRESSURE TREATED AROUND PERIMETER OF ENTIRE BUILDING.

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5		

**REVISION HISTORY**

No.	Date	Description
1	12/23/2013	PERMIT COMMENTS #1

**FUGLEBERG KOCH**  
PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0395  
www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

**SUMMER BAY APARTMENTS**  
Lake County, FL

**BUILDING TYPE 3 - ELEVATIONS** A4.03

Drawn: KP  
Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5169

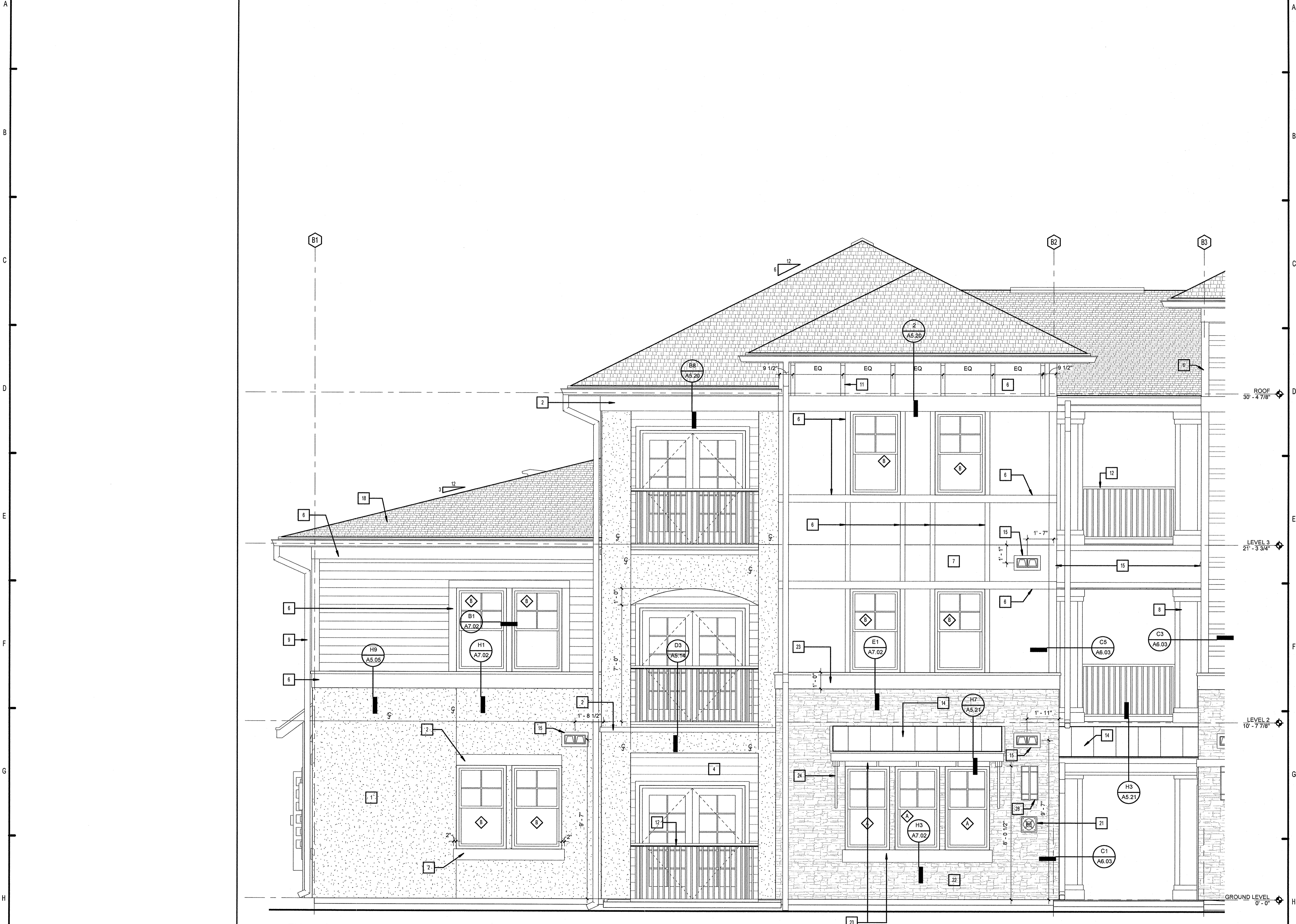
NEW BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS PLACED IN A POSITION TO BE PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS NUMBERS SHALL CONTRAST FROM THEIR BACKGROUND. ADDRESS SHALL BE ARABIC NUMERALS OR ALPHABET LETTERS. ADDRESS NUMBERS SHALL BE AT LEAST 6" IN HEIGHT.

NOTE: BUILDING ORIENTATION (NORTH, SOUTH, EAST, WEST) - IS SHOWN FOR CONVENTION ONLY - SEE CIVIL SITE PLAN FOR INDIVIDUAL BUILDING ORIENTATION. RECEIVED DEC 30 2013

KEN LINDEMAN  
FLORIDA LICENSER AR0017385

*[Signature]*

C:\Users\ken\Desktop\Revit\Projects\Summer Bay\p13 Central\_xen LindeMan.rvt PLOTTED: 12/23/2013 1:32:35 AM



**H1 ENLARGED ELEVATION**  
3/8" = 1'-0"

**PERMIT REVIEW**

**KEY NOTES**

1. STUCCO
2. STUCCO TRIM - SMOOTH FINISH
3. FIBER CEMENT SIDING - 4" EXPOSURE
4. FIBER CEMENT SIDING - 6" EXPOSURE
5. FIBER CEMENT SIDING - 4" / 8" SKIP EXPOSURE
6. FIBER CEMENT TRIM
7. FIBER CEMENT PANEL
8. FIBER CEMENT PANEL BUILD-OUT COLUMN
9. ALUMINUM GUTTER AND DOWNSPOUT
10. STUCCO CONTROL JOINT - SEE DETAIL
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12. METAL GUARD RAIL- 36" H. FIRST FLOOR RAILINGS
13. FUTURE SIGNAGE/AREA - SIGNAGE DESIGN BY OTHERS
14. METAL ROOF - (BERRIDGE CEE LOCK OR EQ)
15. LAUNDRY / BATHROOM EXHAUST VENTS
16. CONDENSING UNIT- SEE MECHANICAL
17. FLASHING
18. FIBERGLASS REINFORCED ARCHITECTURAL SHINGLES
19. FIBER CEMENT BATTENS
20. FIBER CEMENT FASCIA BOARD
21. BUILDING FIRE SIGN  
SIGN TO BE LOCATED ON FRONT OF BUILDING ONLY - SEE SITE PLAN FOR BUILDING ORIENTATION.
22. CAST STONE VENEER
23. STONE TRIM
24. STRUCTURAL BRACKET
25. GARAGE DOOR, SEE DOOR SCHEDULE
26. FIBER CEMENT BOXED-OUT DECORATIVE ELEMENT.
27. RIDGE VENT
28. LIGHT FIXTURE (SEE ELECTRICAL)

NOTE: 1ST 4'-0" OF GROUND FLOOR BUILDING SHEATHING TO BE PRESSURE TREATED AROUND PERIMETER OF ENTIRE BUILDING.

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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**REVISION HISTORY**

No.	Date	Description



**FUGLEBERG KOCH**  
PLLC

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www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
Lake County, FL

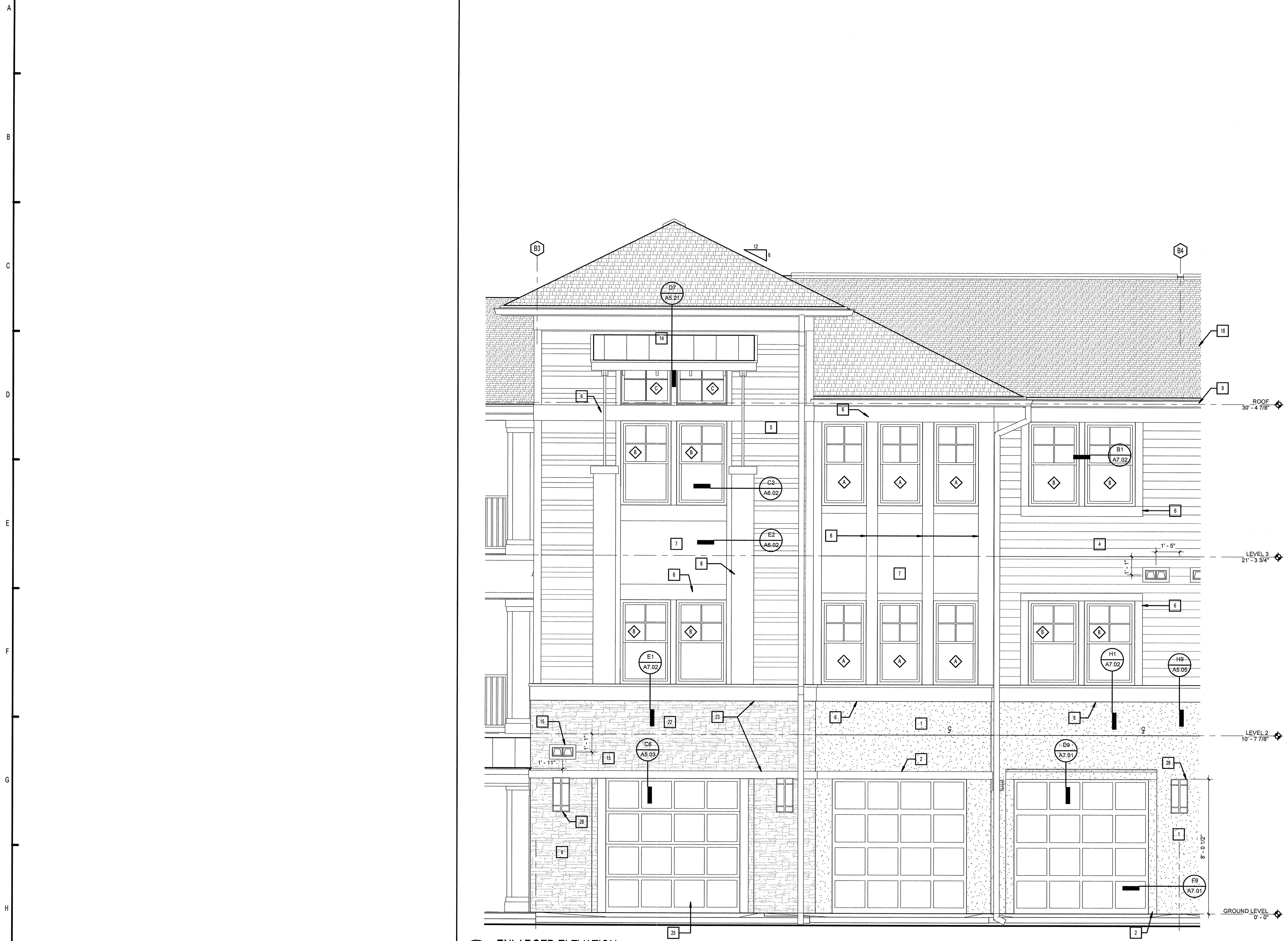
Drawn: KP  
Checked: KL  
Approval: KL  
Date: 11/15/2013  
Project #: 5169

**ENLARGED ELEVATIONS A4.04**

KEN LINDHAY  
FLORIDA LICENSE# AR0017385

11/15/2013 12:42:39 PM





**H4 ENLARGED ELEVATION**  
3/8" = 1'-0"

**PERMIT REVIEW**

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  2. STUCCO TRIM - SMOOTH FINISH
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  16. CONDENSING UNIT- SEE MECHANICAL
  17. FLASHING
  18. FIBERGLASS REINFORCED ARCHITECTURAL SHINGLES
  19. FIBER CEMENT BATTENS
  20. FIBER CEMENT FASCIA BOARD
  21. BUILDING FIRE SIGN SIGN TO BE LOCATED ON FRONT OF BUILDING ONLY - SEE SITE PLAN FOR BUILDING ORIENTATION.
  22. CAST STONE VENEER
  23. STONE TRIM
  24. STRUCTURAL BRACKET
  25. GARAGE DOOR. SEE DOOR SCHEDULE
  26. FIBER CEMENT BOXED-OUT DECORATIVE ELEMENT.
  27. RIDGE VENT
  28. LIGHT FIXTURE (SEE ELECTRICAL)
- NOTE: 1ST 4'-0" OF GROUND FLOOR BUILDING SHEATHING TO BE PRESSURE TREATED AROUND PERIMETER OF ENTIRE BUILDING.

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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**REVISION HISTORY**

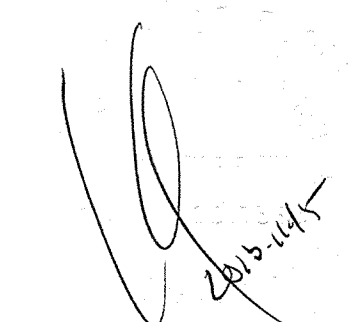
No.	Date	Description

  
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 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

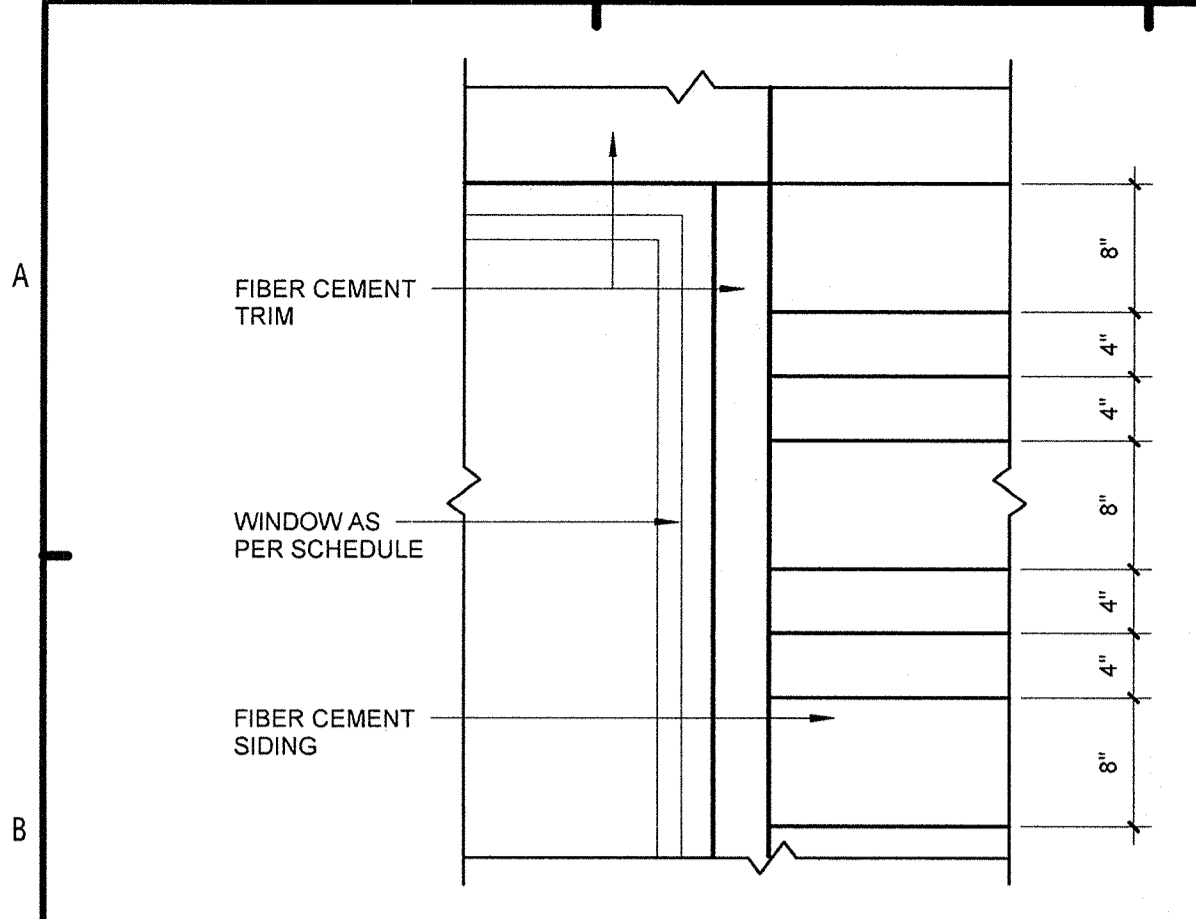
**LAKE COUNTY BUILDING DIVISION**  
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**RECEIVED DEC 04 2013**

<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: KP Checked: K.L. Approval: K.L. Date: 11/15/2013 Project #: 5168
<b>ENLARGED ELEVATIONS</b>	<b>A4.05</b>

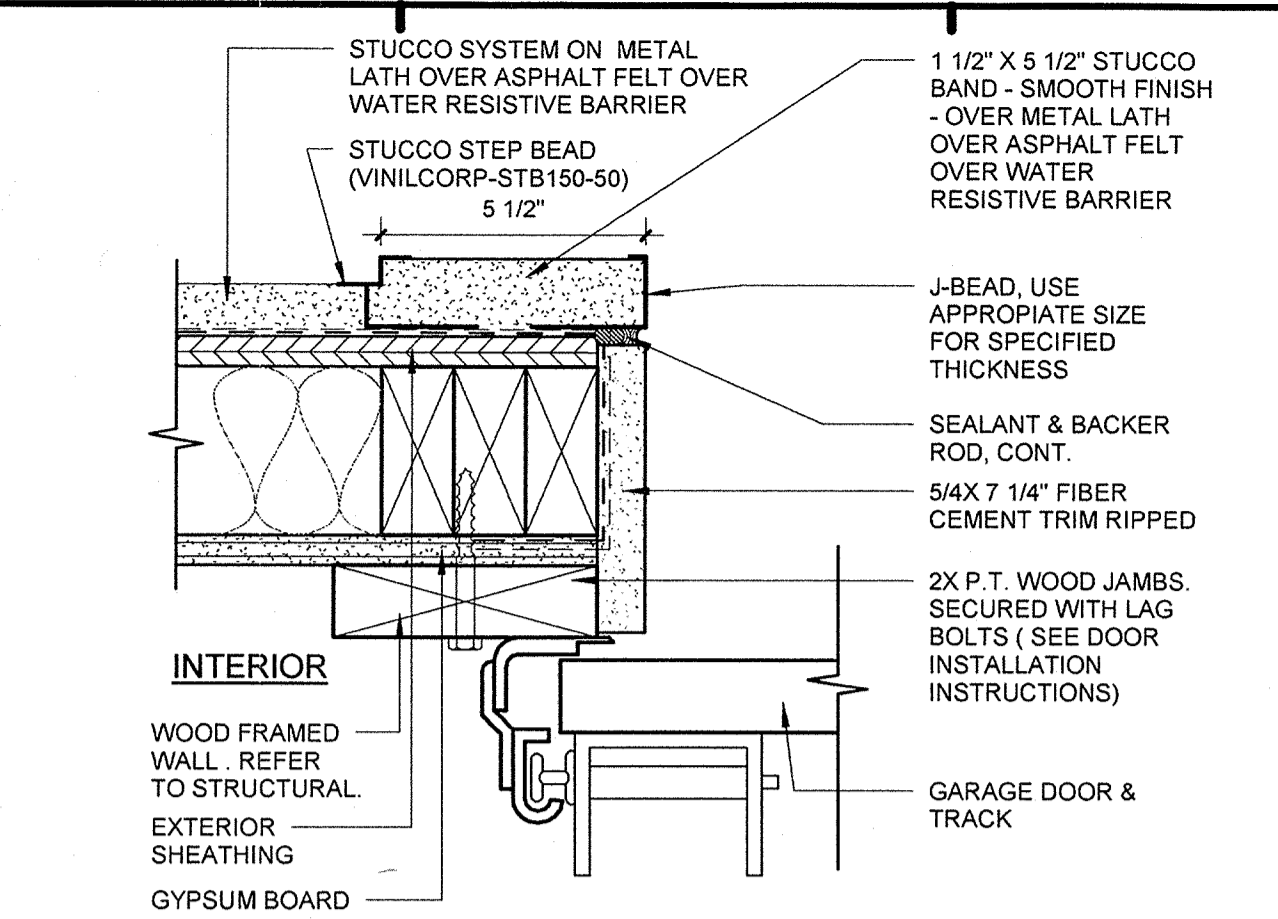
KEN LINEHAN  
FLORIDA LICENSE AR0017365

  
 2013.11.15

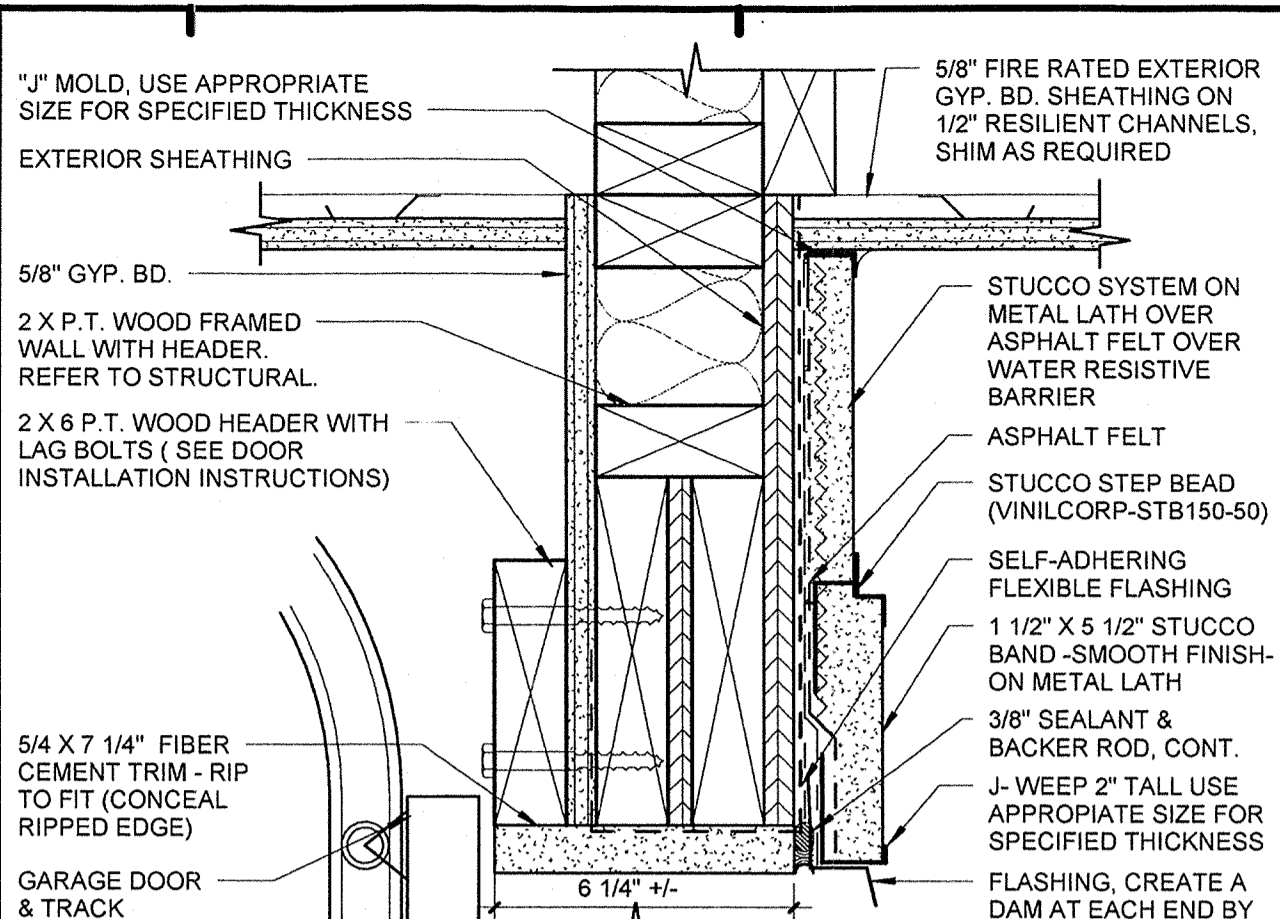
C:\Revised\Projects\Summer Bay Apts-13\Central\_Kyle\_Paxon.rvt PLOTTED: 11/15/2013 12:42:48 PM



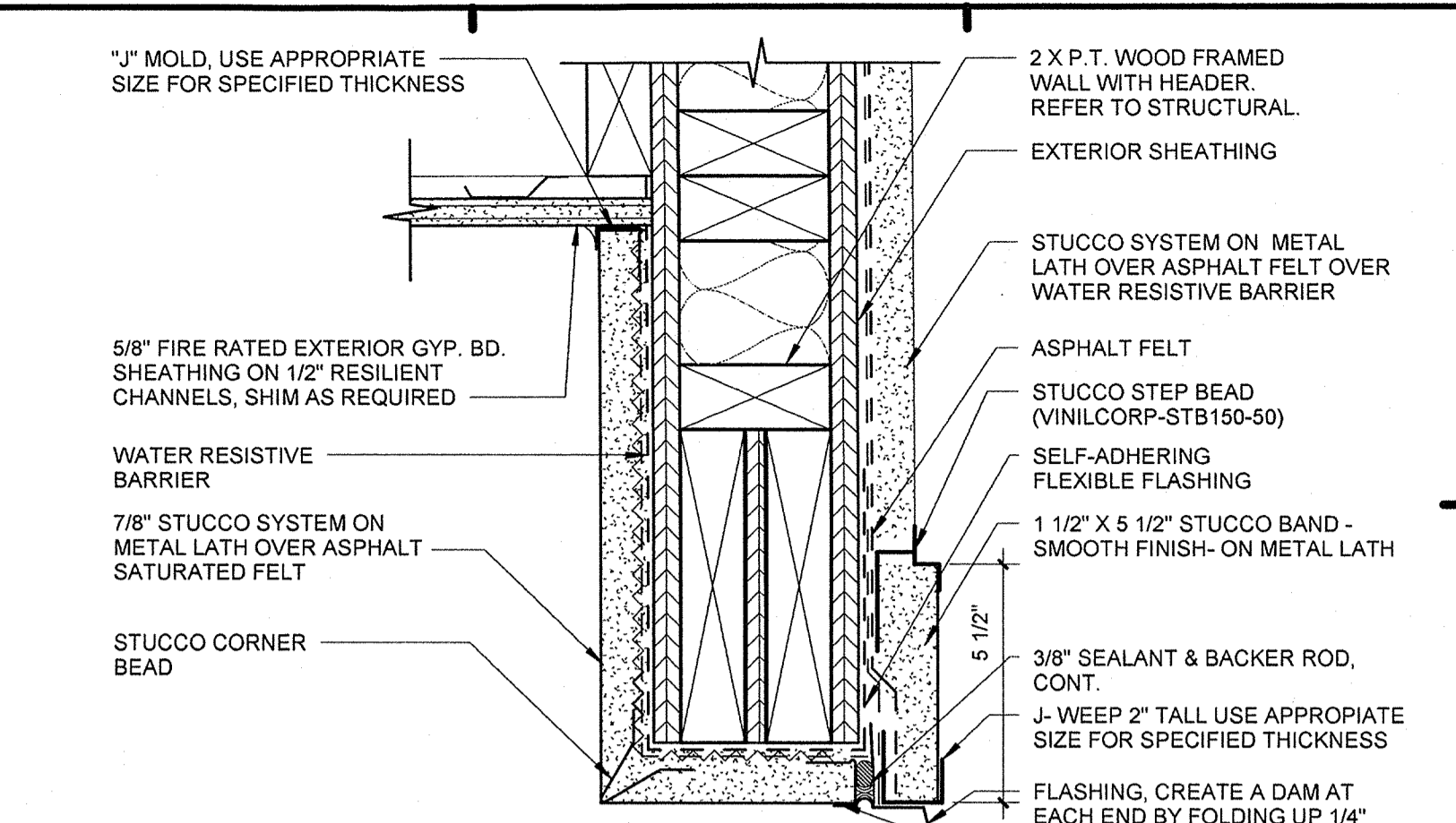
**B1** SIDING - 4" / 8" SKIP LAP SPACING  
1" = 1'-0"



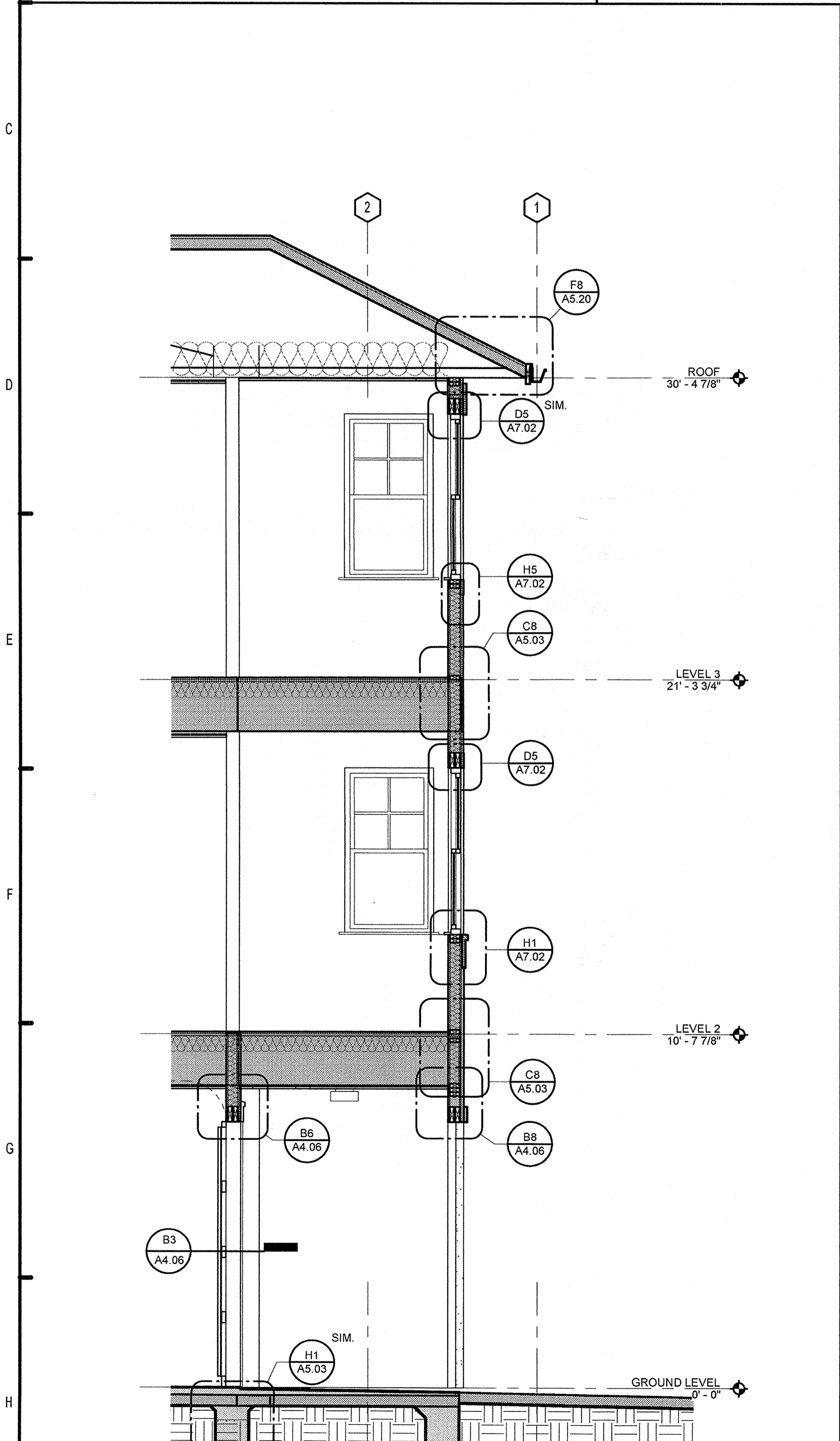
**B3** GARAGE DOOR JAMB (STUCCO)  
3" = 1'-0"



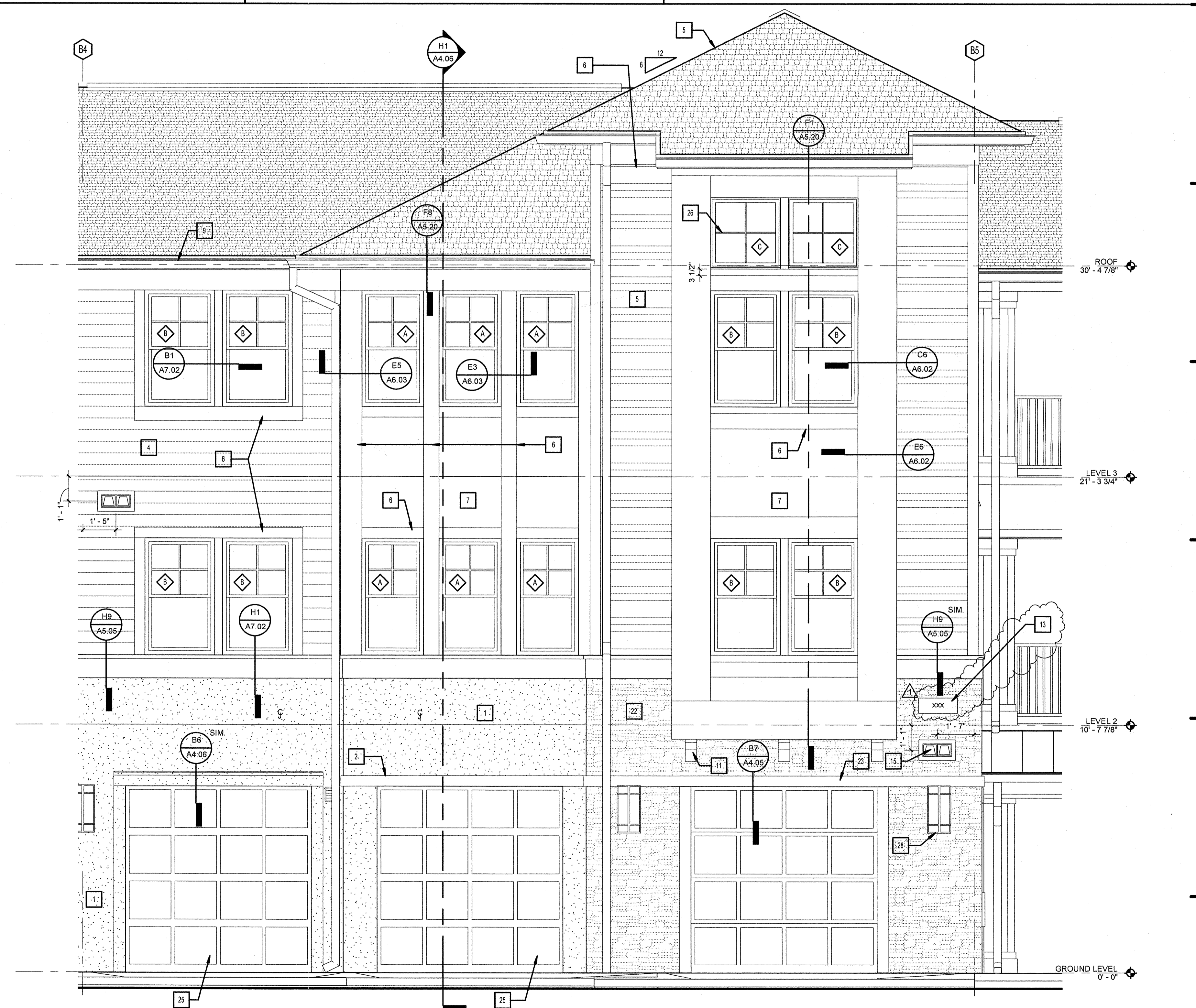
**B6** GARAGE DOOR INTERIOR HEAD (STUCCO)  
3" = 1'-0"



**B8** GARAGE DOOR EXTERIOR DETAIL  
3" = 1'-0"



**H1** BUILDING TYPE 1 - PARTIAL SECTION  
3/8" = 1'-0"  
E1/A2.01



**H4** ENLARGED ELEVATION  
3/8" = 1'-0"

### PERMIT REVIEW

**KEY NOTES**

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2. STUCCO TRIM - SMOOTH FINISH
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6. FIBER CEMENT TRIM
7. FIBER CEMENT PANEL
8. FIBER CEMENT PANEL BUILD-OUT COLUMN
9. ALUMINUM GUTTER AND DOWNSPOUT
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11. MANUFACTURED BRACKET (FYRON 24X18X4S @ UPPER ROOF, FYRON COROG8X12S @ OVERHANG)
12. METAL GUARD RAIL - 36" H. FIRST FLOOR RAILINGS
13. SIGNAGE LOCATION (SIGN TO MEET REQ'D OF LOCAL JURISDICTION FOR SIZE & TYPE)
14. METAL ROOF - (BERTRIDGE GEE LOCK OR EQ)
15. LAUNDRY / BATHROOM EXHAUST VENTS
16. CONDENSING UNIT - SEE MECHANICAL
17. FLASHING
18. FIBERGLASS REINFORCED ARCHITECTURAL SHINGLES
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23. STONE TRIM
24. STRUCTURAL BRACKET
25. GARAGE DOOR, SEE DOOR SCHEDULE
26. FIBER CEMENT BOXED-OUT DECORATIVE ELEMENT
27. RIDGE VENT
28. LIGHT FIXTURE (SEE ELECTRICAL)
29. KEYED LOCK BOX FOR THE LOCAL FIRE DEPARTMENT, LOCATE PER AHJ'S RECOMMENDATION

NOTE: 1ST 4'-0" OF GROUND FLOOR BUILDING SHEATHING TO BE PRESSURE TREATED AROUND PERIMETER OF ENTIRE BUILDING.

### ISSUE HISTORY

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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### REVISION HISTORY

No.	Date	Description
1	12/23/2013	PERMIT COMMENTS #1
	Date 2	COORD. ITEMS

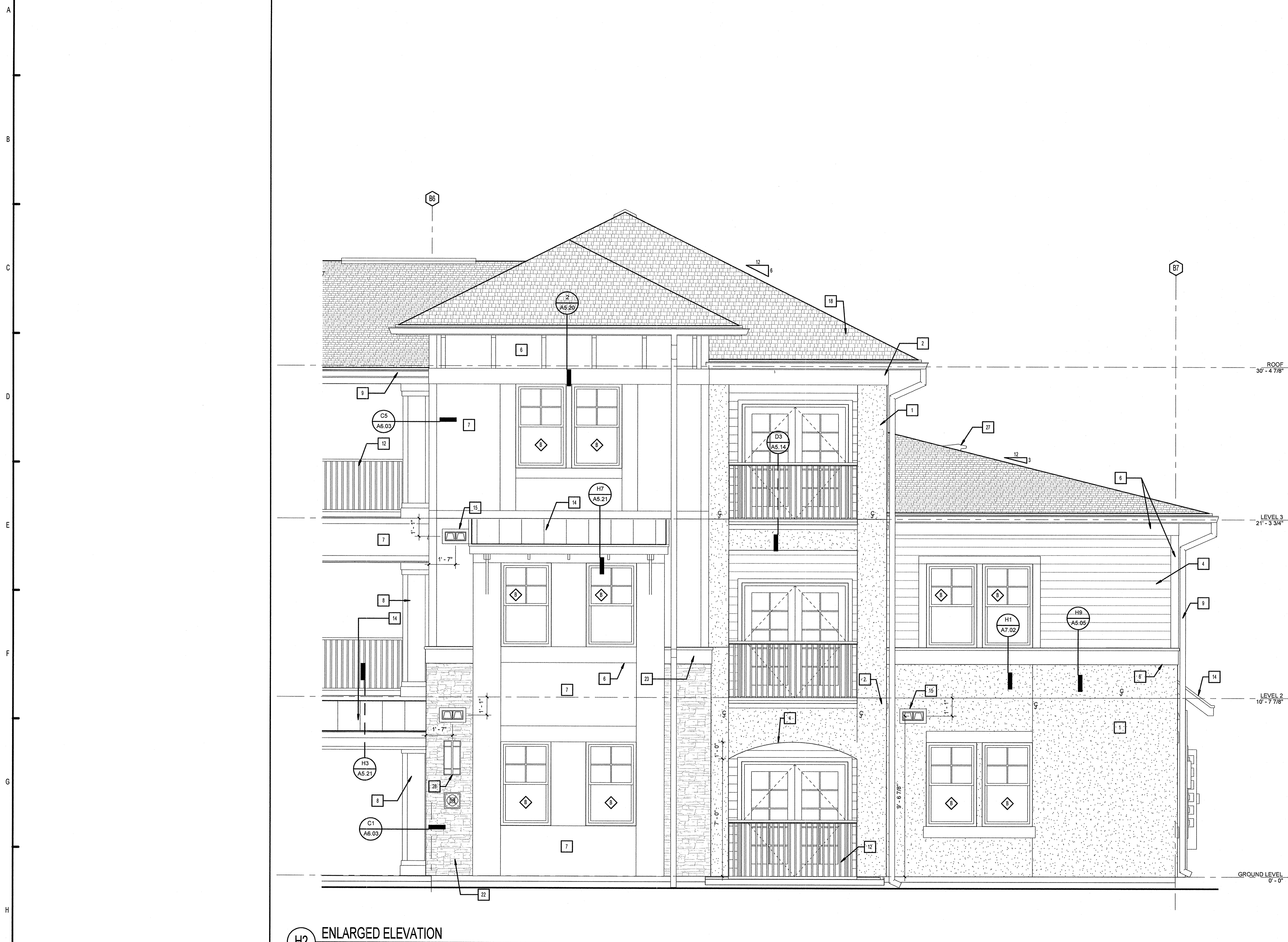
**FUGLEBERG KOCH**  
 PLLC  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
 Lake County, FL  
**ENLARGED ELEVATIONS**

Drawn: KP	Checked: K.L.
Approved: K.L.	Date: 11/15/2013
Project #: 5169	

KEN LEHMAN  
 FLORIDA LICENSE # AR0017395  
  
 RECEIVED DEC 30 2013



**H2 ENLARGED ELEVATION**  
3/8" = 1'-0"

**PERMIT REVIEW**

- KEY NOTES**
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**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
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**LAKE COUNTY BUILDING DIVISION**  
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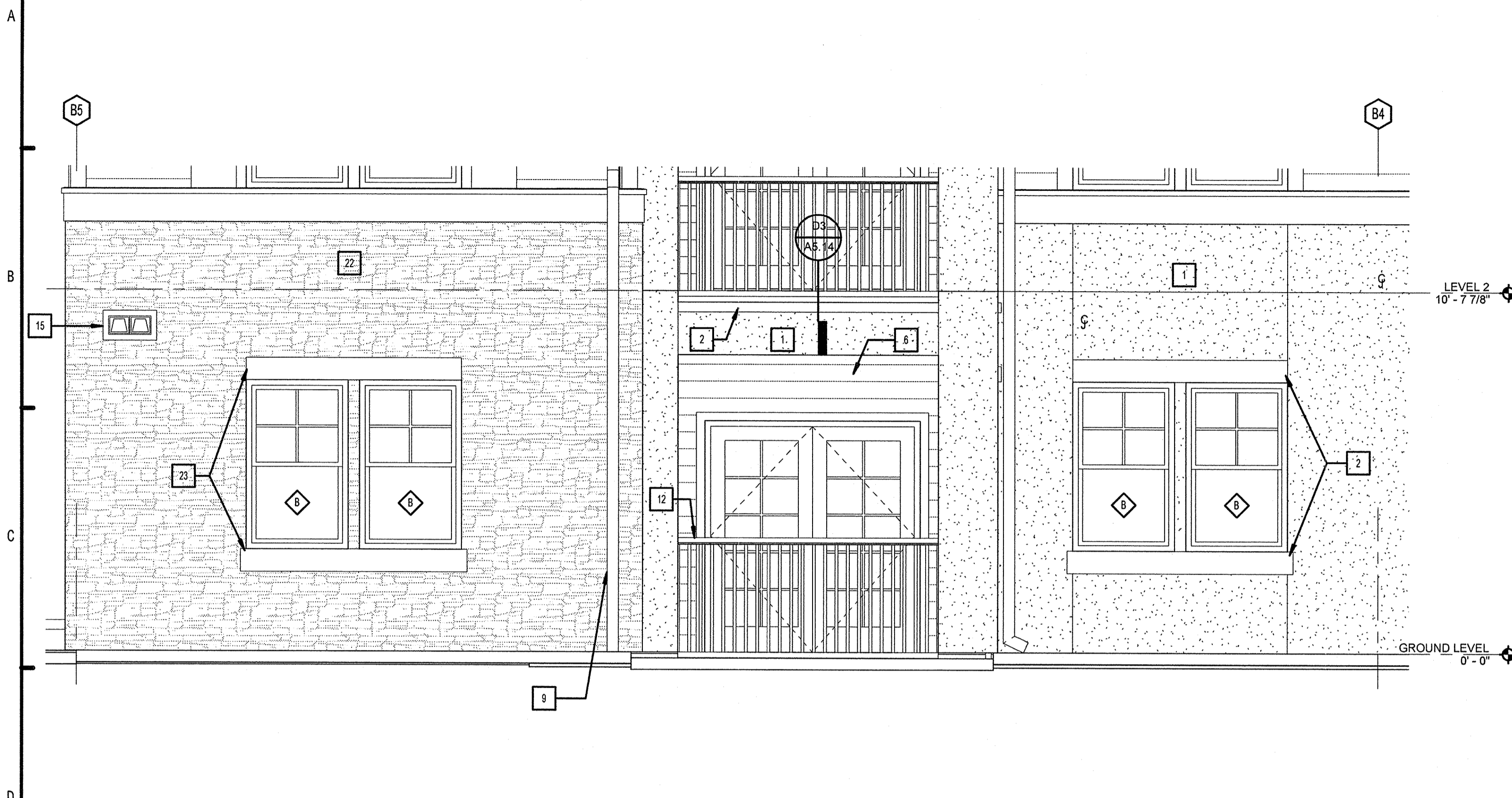
RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn:	KP
Checked:	K.L.
Approval:	K.L.
Date:	11/15/2013
Project #:	5169

**ENLARGED ELEVATIONS** **A4.07**

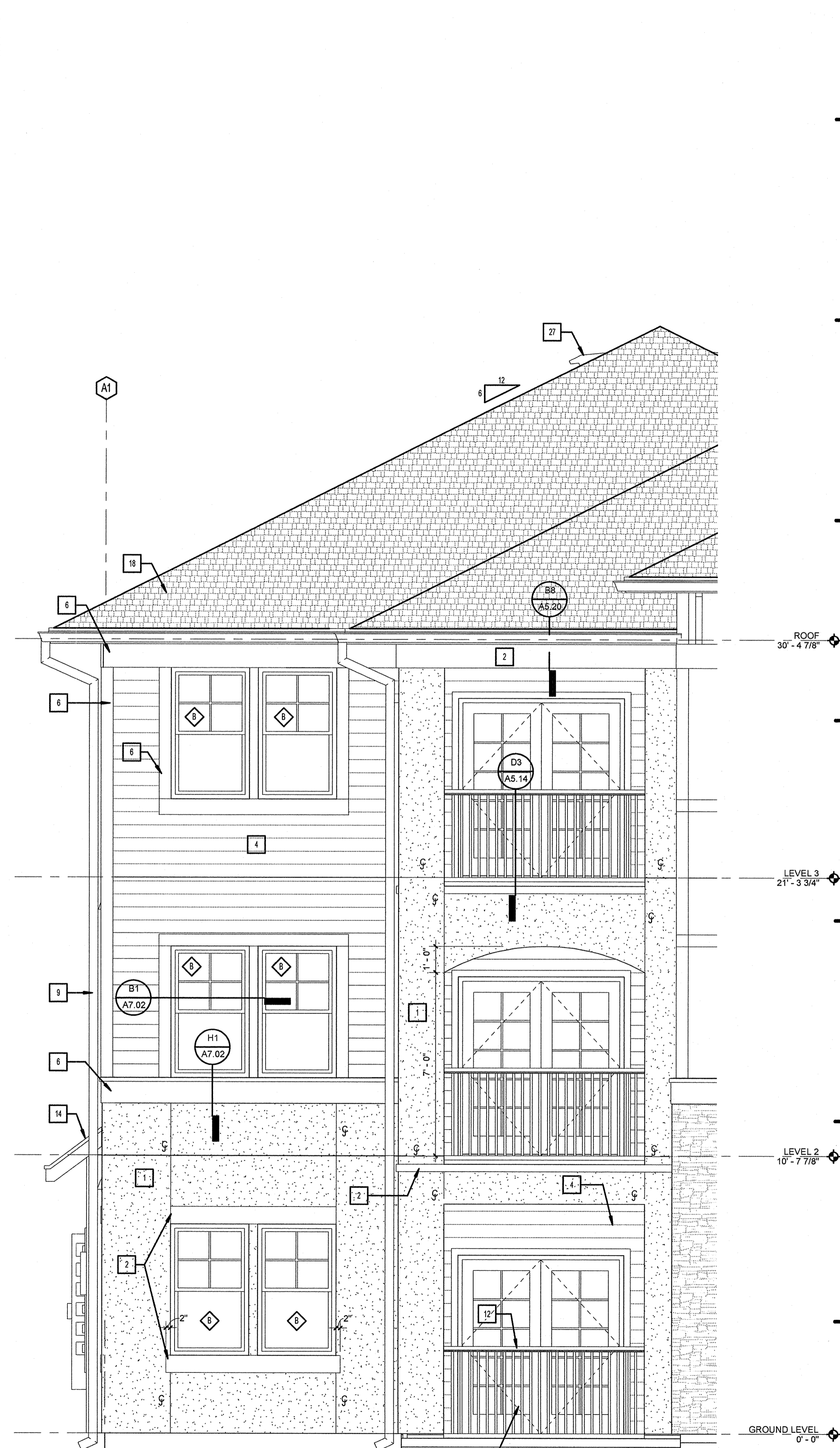
REN LINEMAN  
FLORIDA LICENSE # AR0017385



**D1 ENLARGED ELEVATION**  
3/8" = 1'-0"



**H1 ENLARGED ELEVATION**  
3/8" = 1'-0"



**H5 ENLARGED ELEVATION**  
3/8" = 1'-0"

**PERMIT REVIEW**

- KEY NOTES**
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  5. FIBER CEMENT SIDING - 4 1/8" SKIP EXPOSURE
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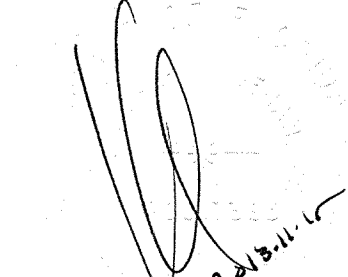
**REVISION HISTORY**

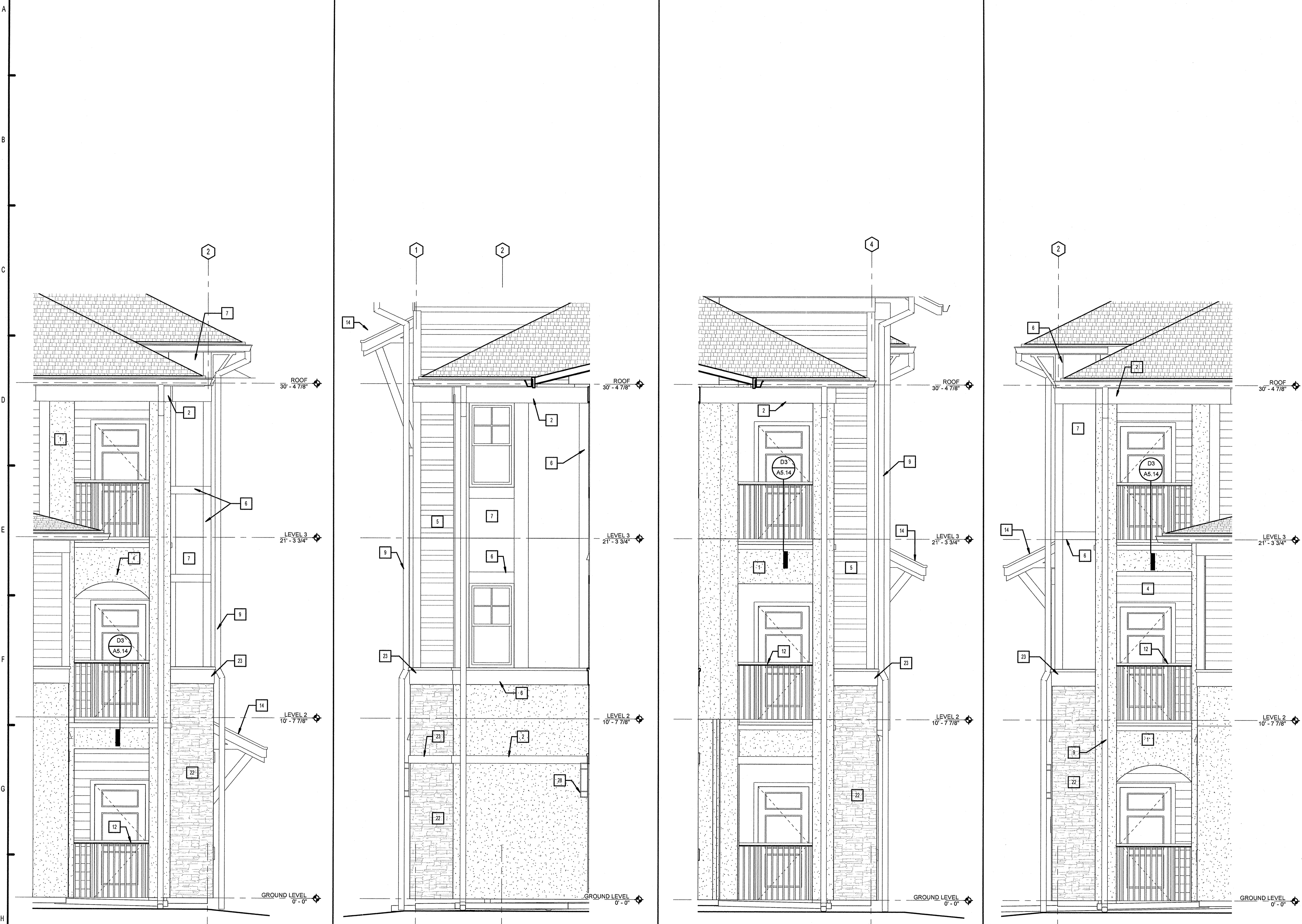
No.	Date	Description

  
**FUGLEBERG KOCH**  
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 2535 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
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**RECEIVED DEC 04 2013**

<b>SUMMER BAY APARTMENTS</b> Lake County, FL <b>ENLARGED ELEVATION</b>	Drawn: _____ Checked: <b>KL</b> Approved: <b>KL</b> Date: 11/15/2013 Project #: 5169
	<b>A4.08</b>

KEN LINEHAN  
 FLORIDA LICENSE # AR0017385  
  
 2/15/14



**H1** TYPICAL BALCONY CORNER ELEVATION  
3/8" = 1'-0" E1/A4.02

**H3** TYPICAL CORNER ELEVATION AT GARAGES  
3/8" = 1'-0" E1/A2.05

**H5** TYPICAL BALCONY CORNER ELEVATION  
3/8" = 1'-0"

**H8** TYPICAL BALCONY CORNER ELEVATION  
3/8" = 1'-0" E8/A4.02

**PERMIT REVIEW**

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No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
PLLC

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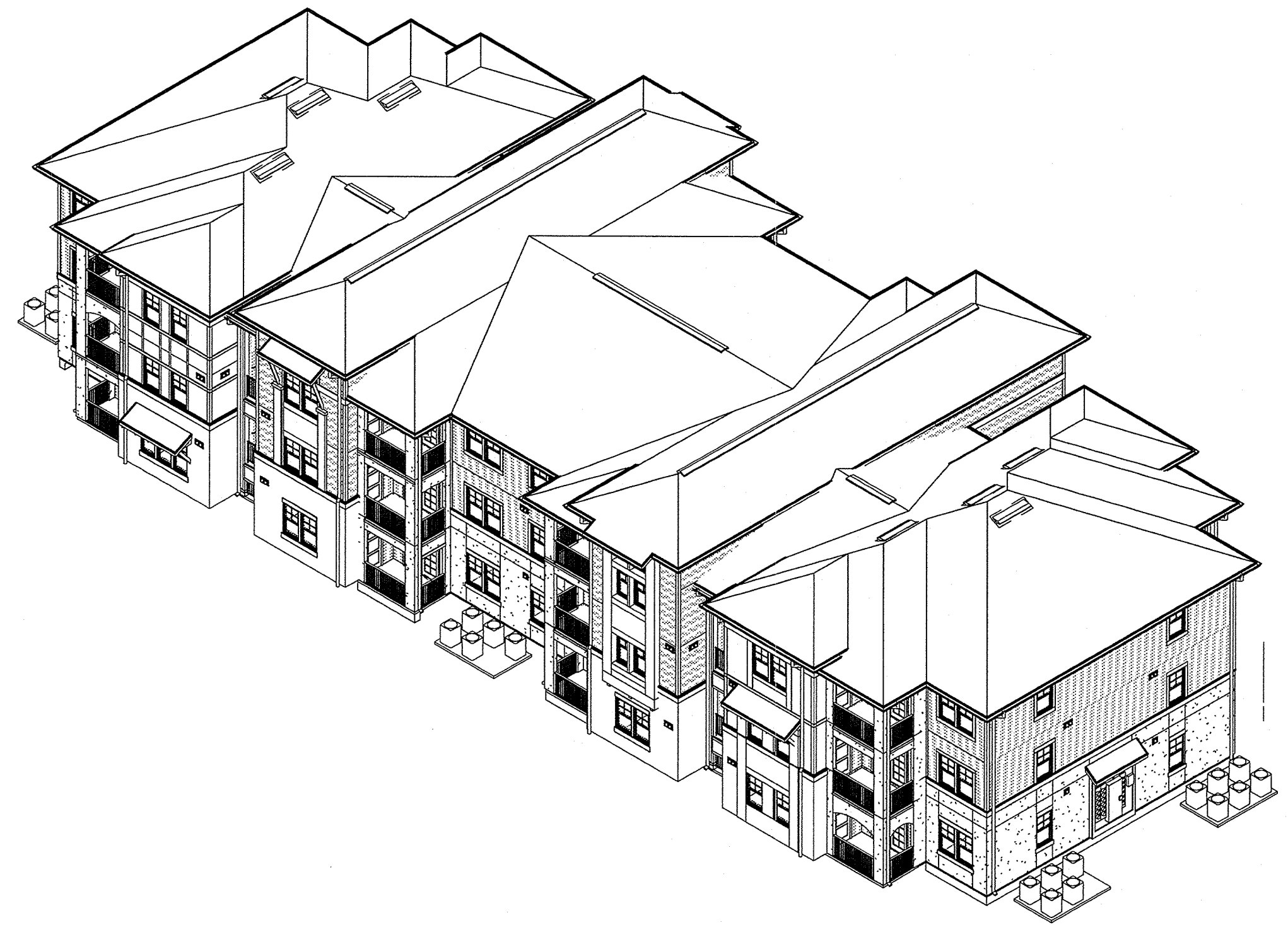
**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn	KP
Checked	KL
Approval	KL
Date	11/15/2013
Project #	5189

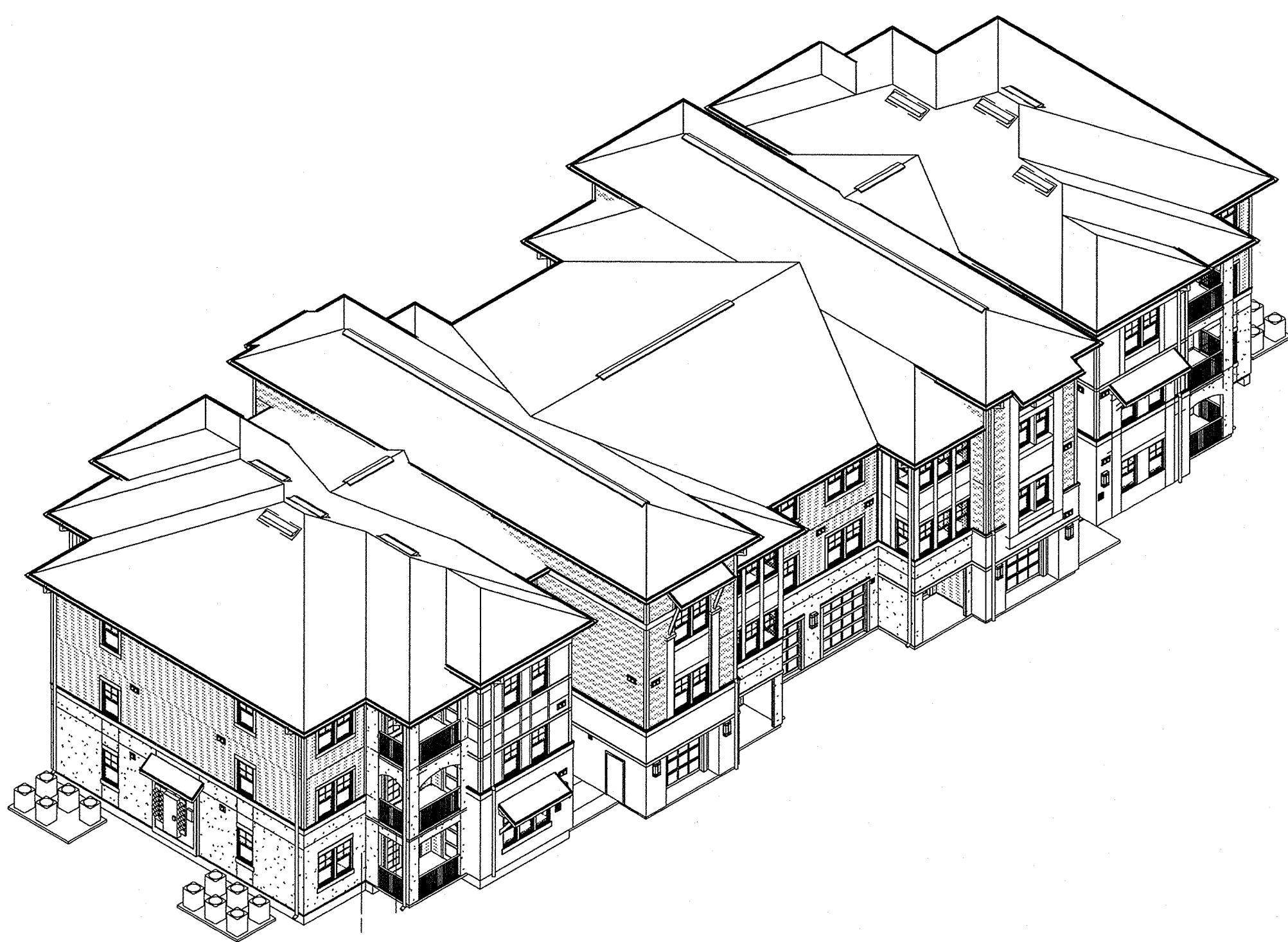
**ENLARGED ELEVATIONS** A4.09

KEN LINSHAN  
FLORIDA LICENSE # AR0017385

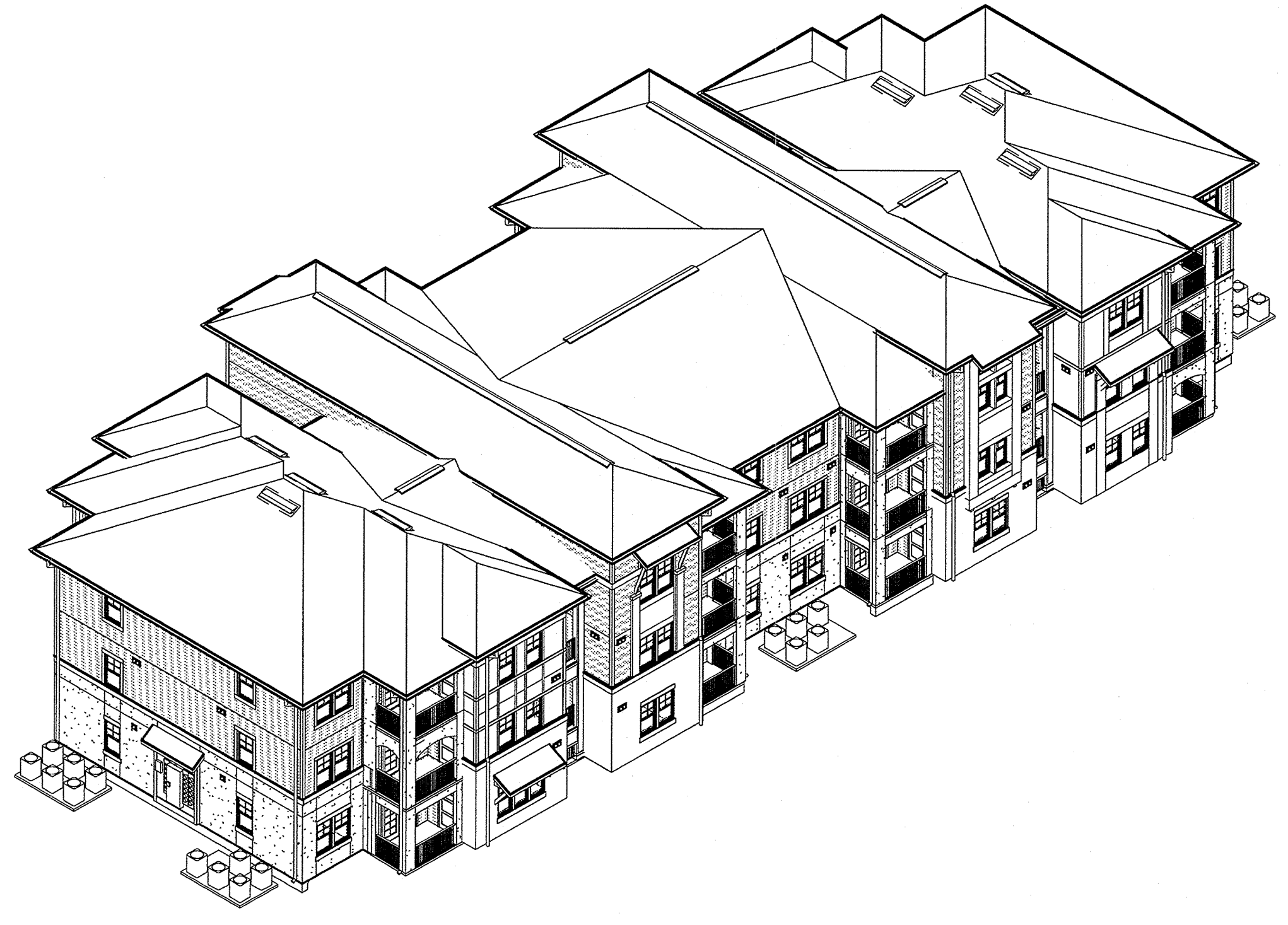
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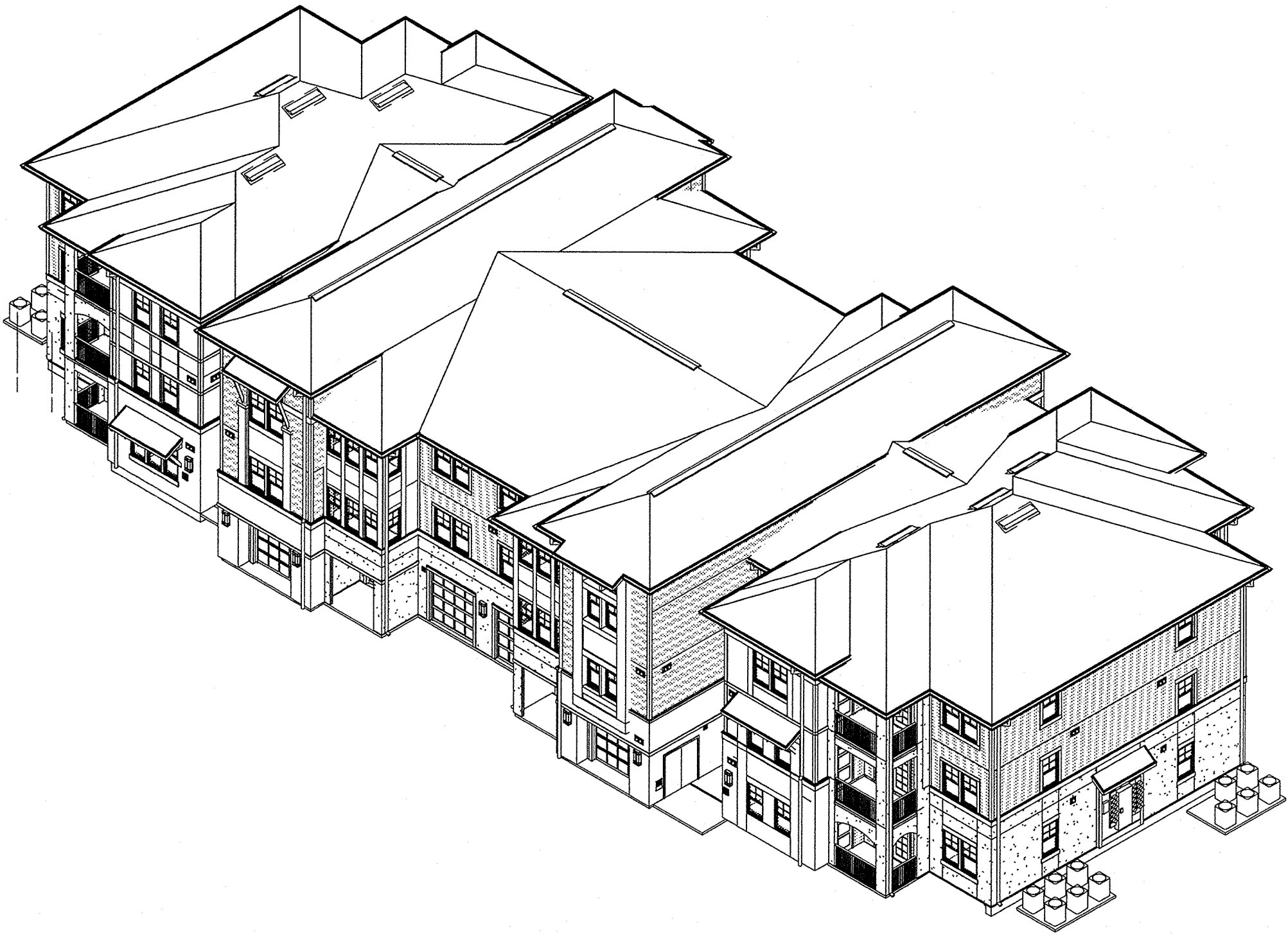
D1 SOUTH A - Building 1



D6 NORTH A - Building 1



H1 SOUTH B - Building 1



H6 NORTH B - Building 1

PERMIT REVIEW

ISSUE HISTORY

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RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**

Lake County, FL

**BUILDING TYPE 1 - AXONOMETRICS**

A4.10

KEN LINDMAN  
FLORIDA LICENSE #A0007385

ISSUE HISTORY

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 www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**

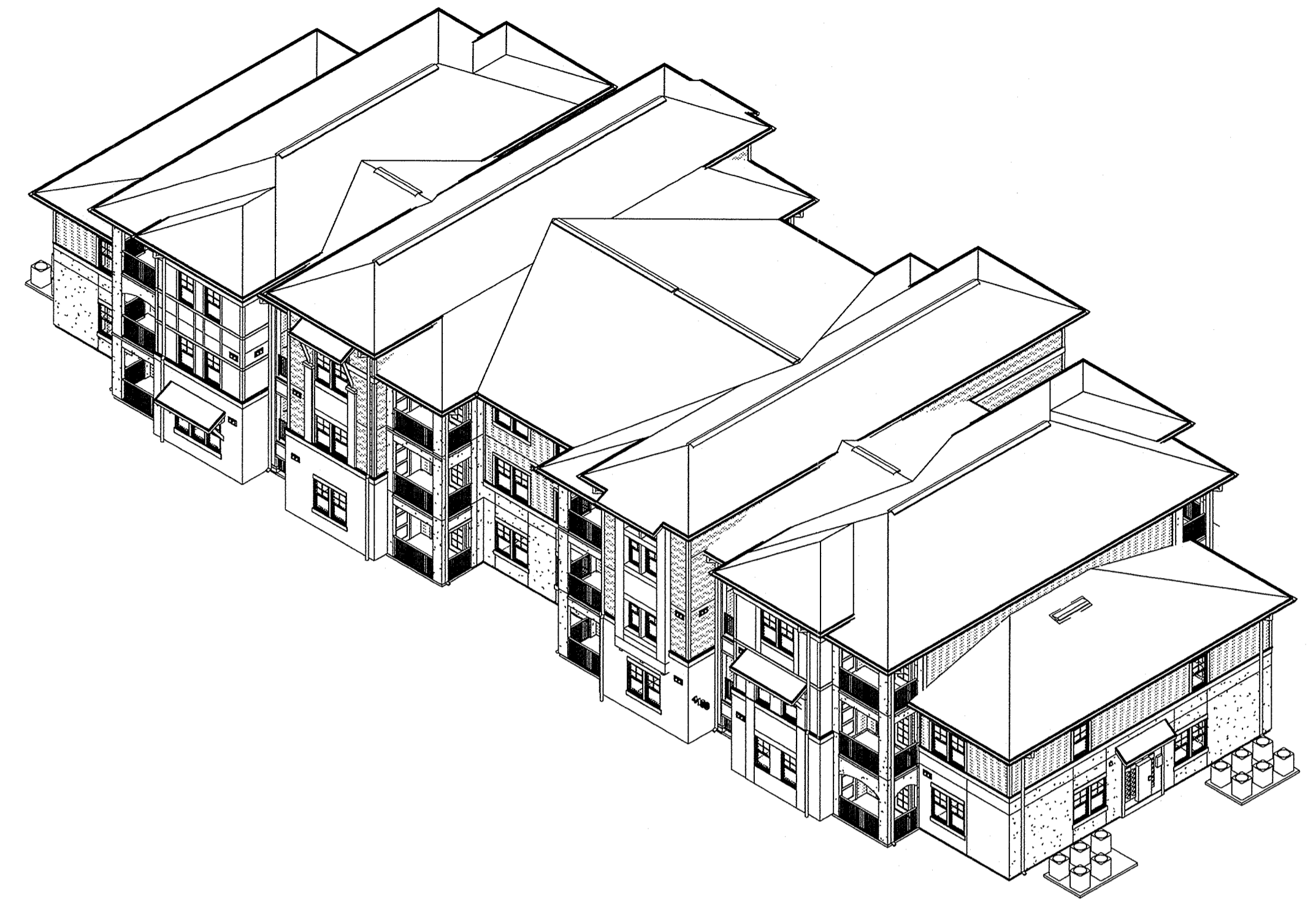
Lake County, FL

**BUILDING TYPE 2 - AXONOMETRICS**

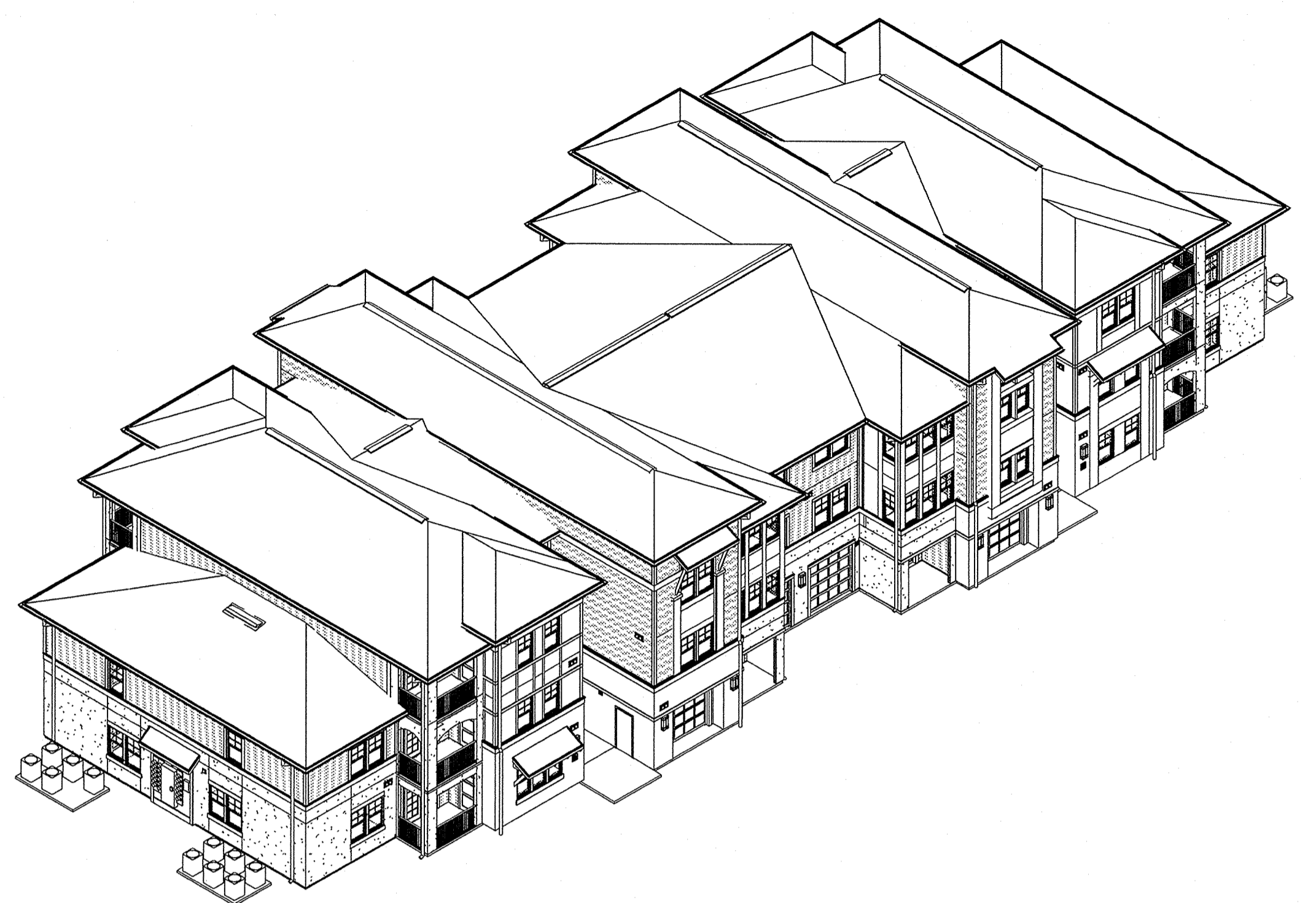
Drawn	KP
Checked	KL
Approval	KL
Date	11/15/2013
Project #	5199

A4.11

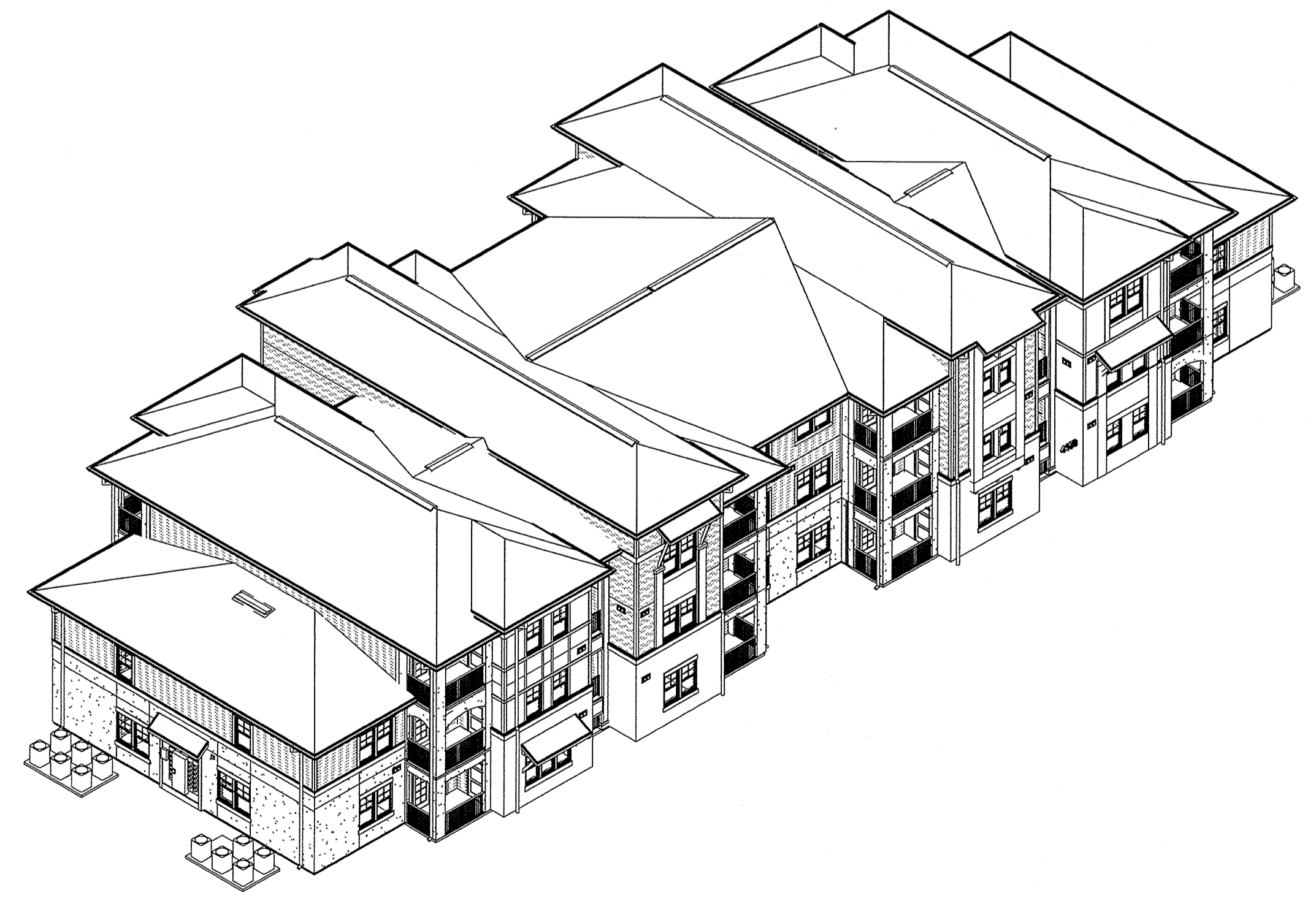
KEVIN LINDHAY  
 FLORIDA LICENSE # AR0017385



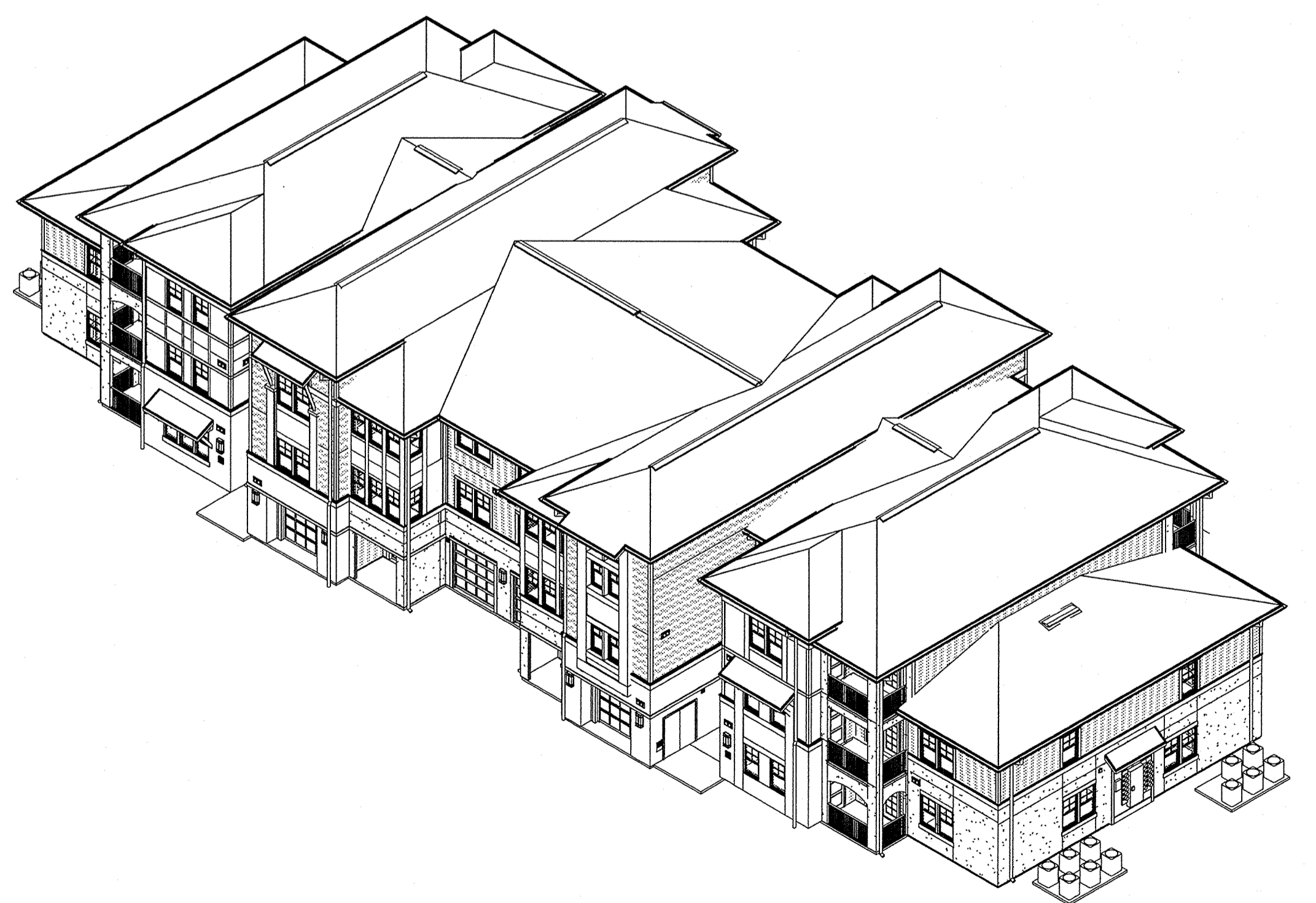
D1 SOUTH A -Building 2



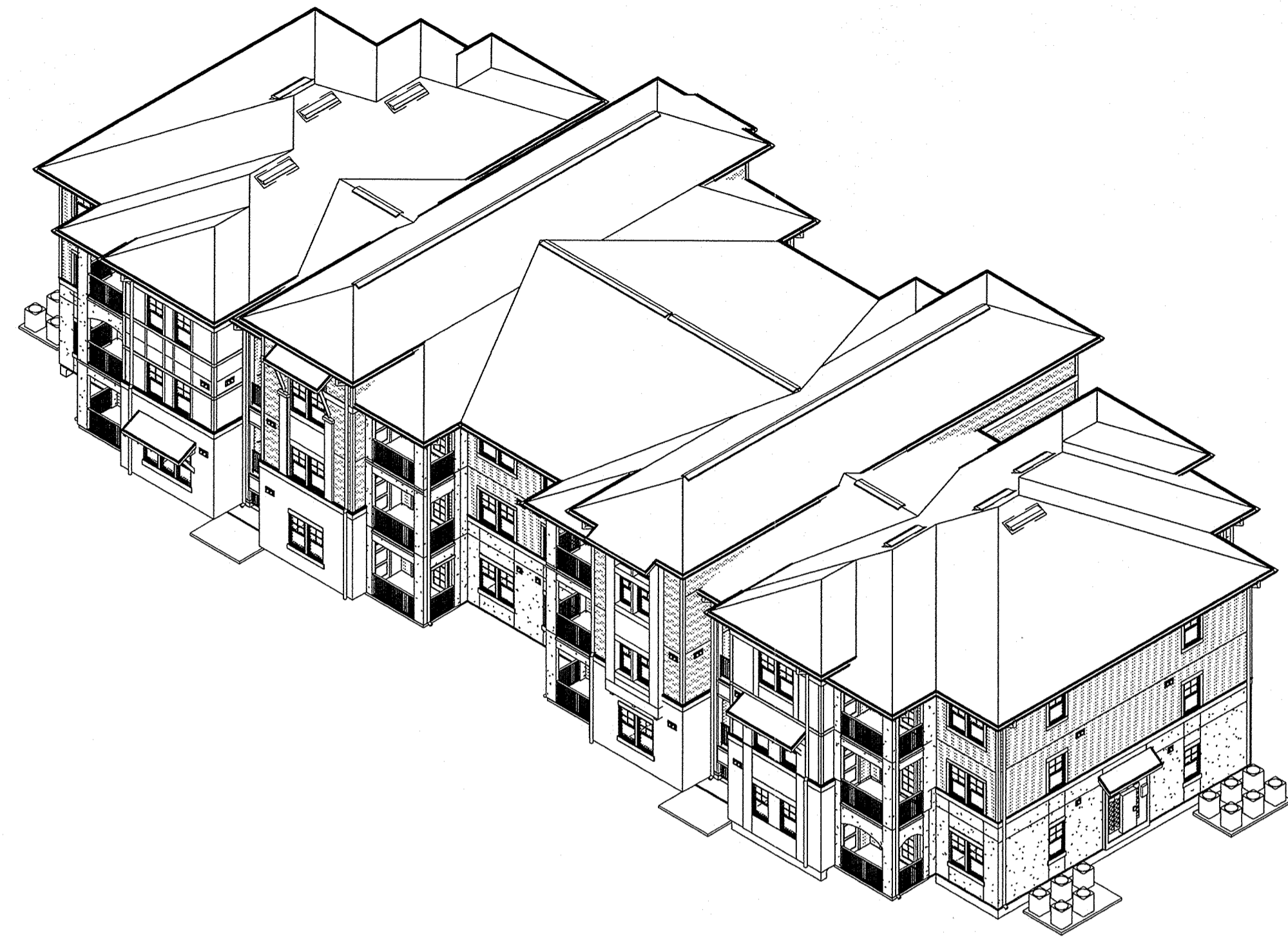
D6 NORTH A -Building 2



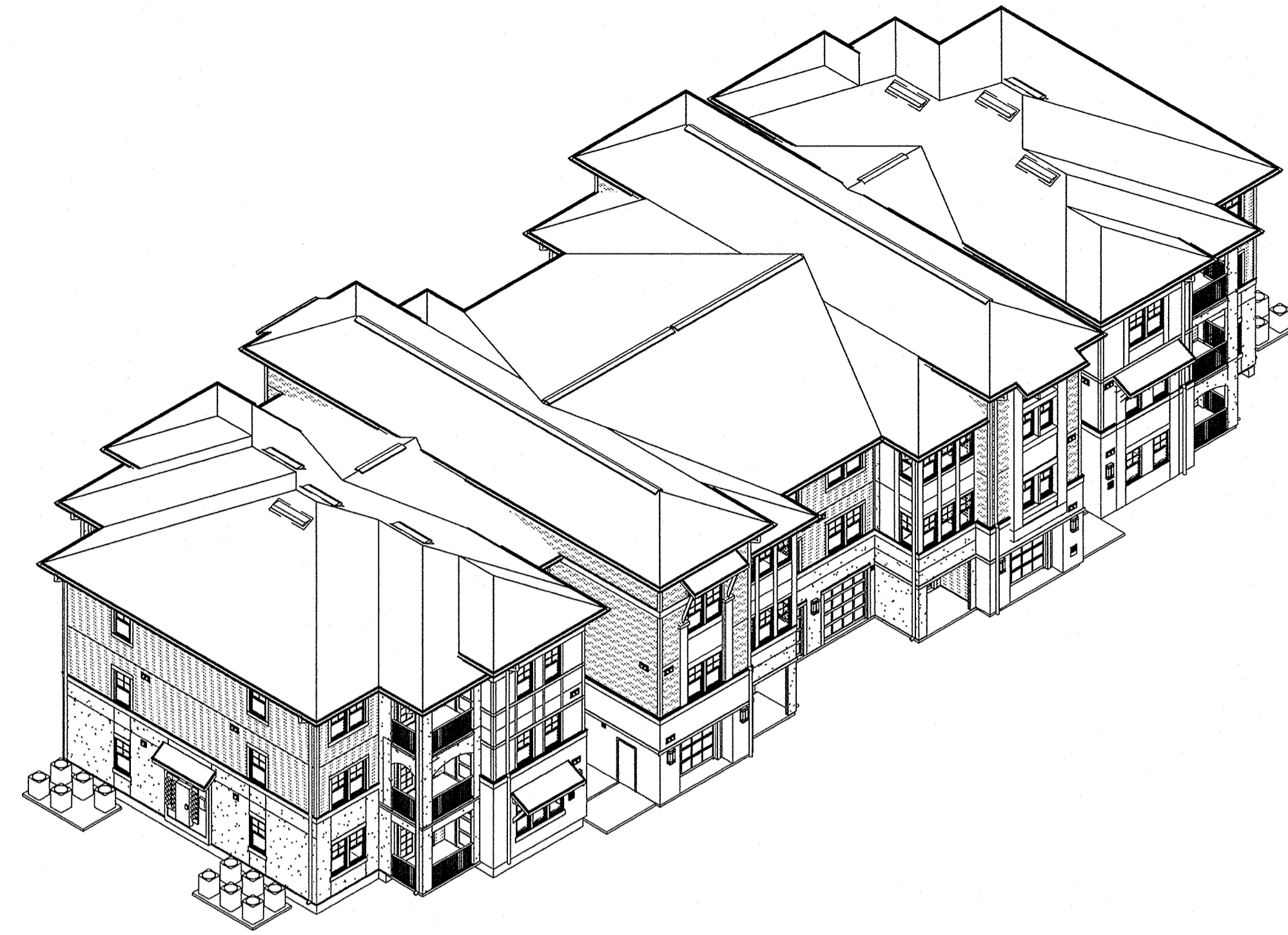
H1 SOUTH B -Building 2



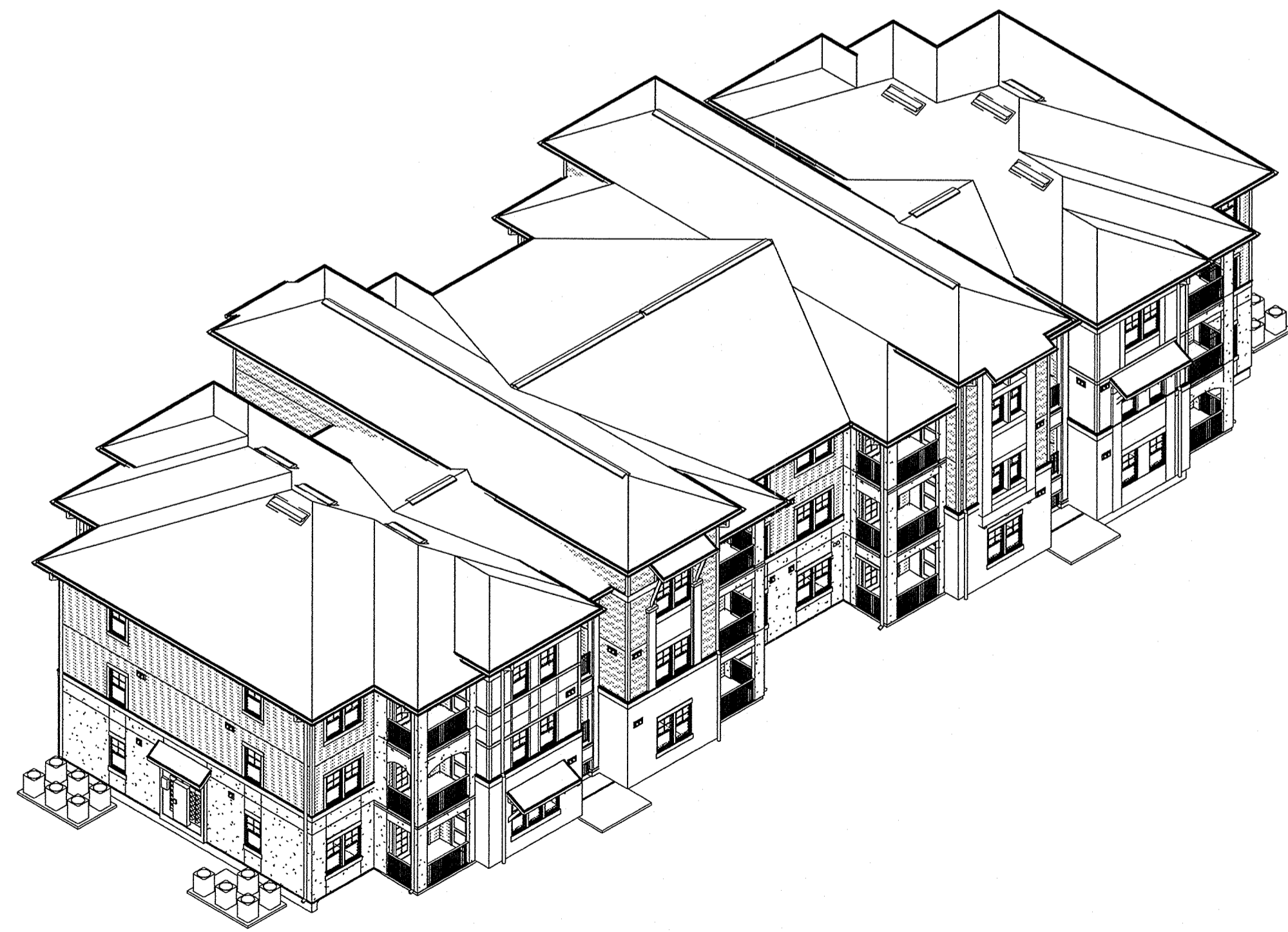
H6 NORTH B -Building 2



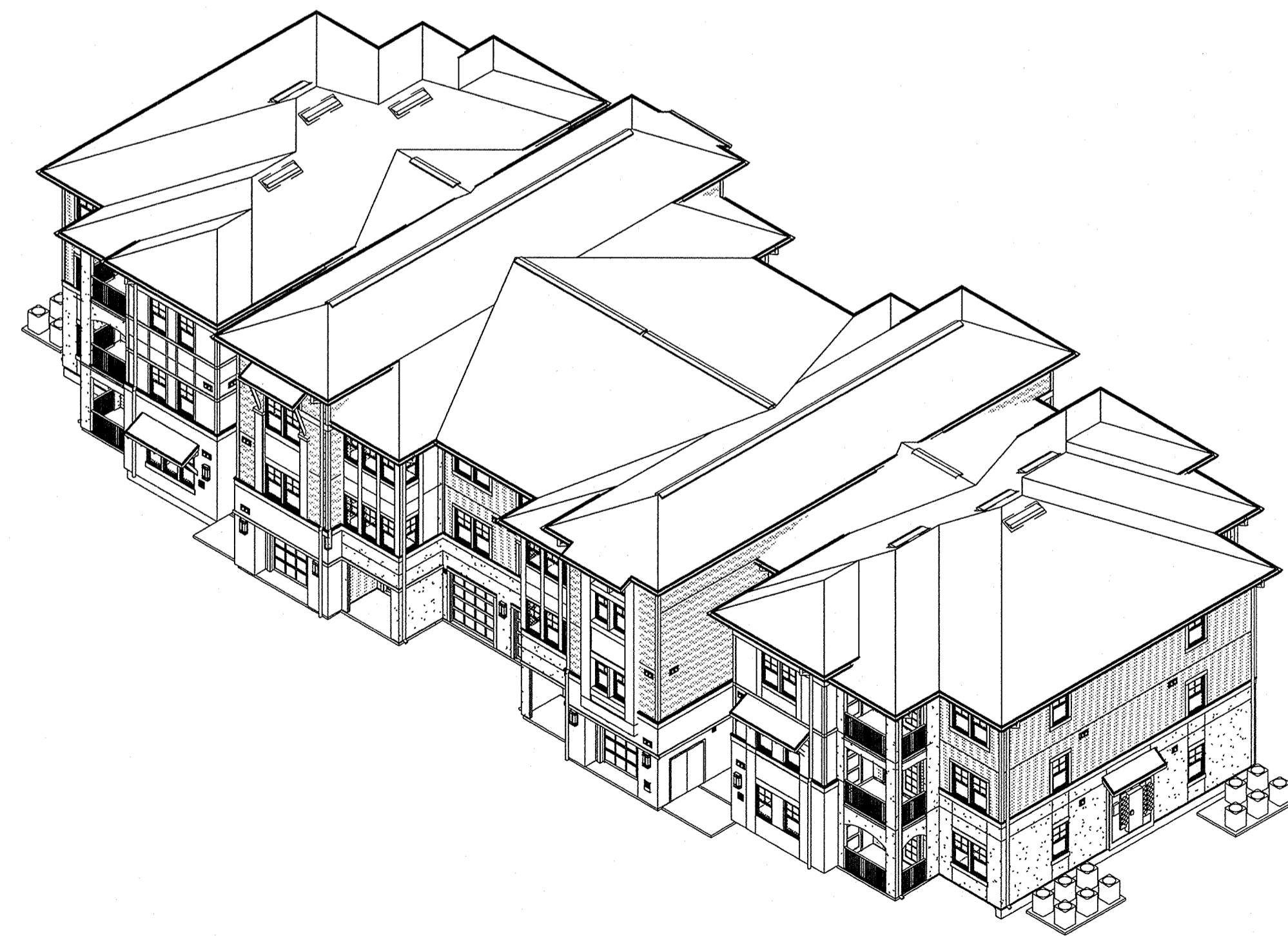
D1 SOUTH A -Building 3



D6 NORTH A -Building 3



H1 SOUTH B -Building 3



H6 NORTH B -Building 3

PERMIT REVIEW

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**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**

Lake County, FL

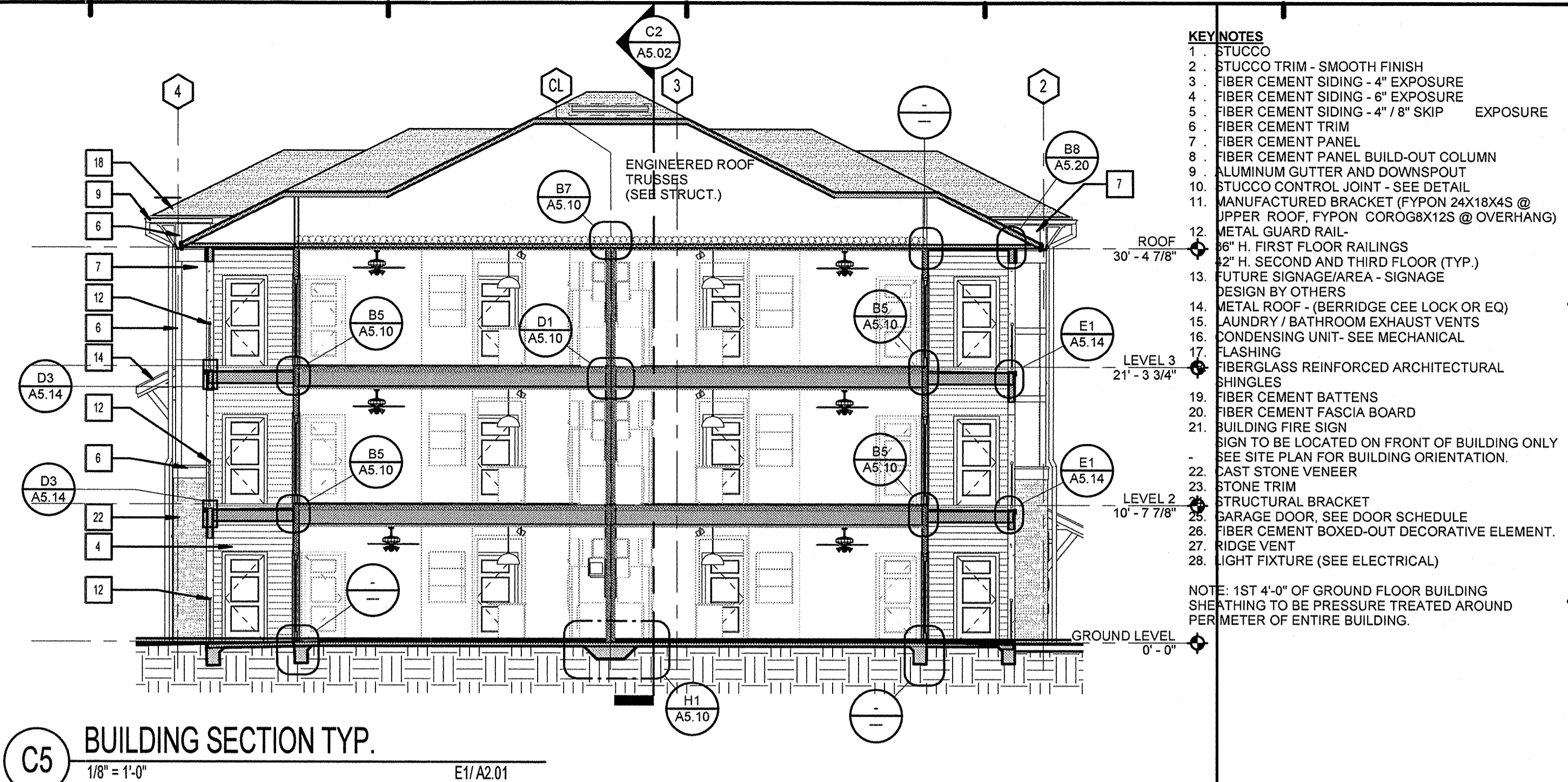
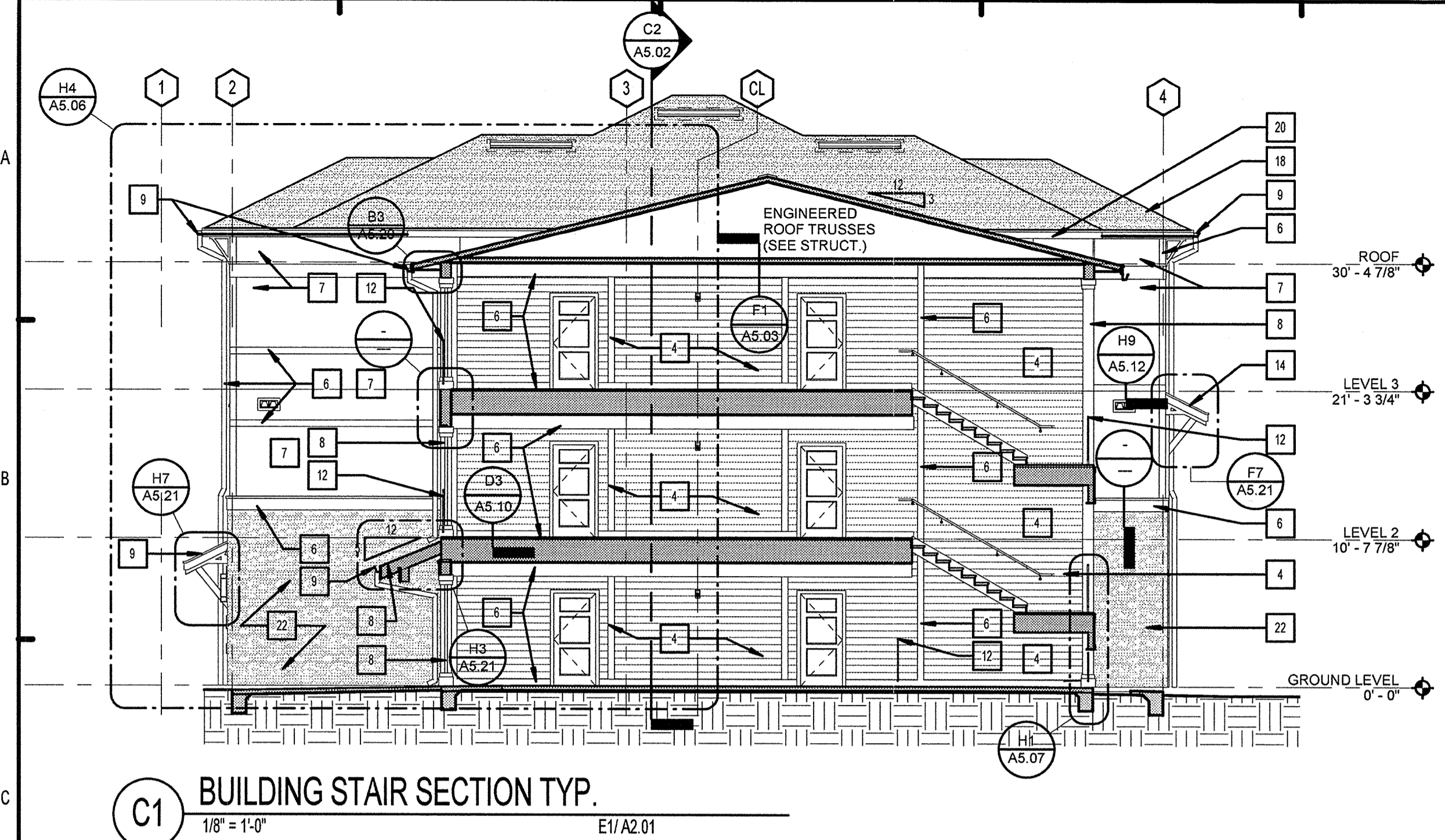
**BUILDING TYPE 3 - AXONOMETRICS**

Drawn:	KP
Checked:	KL
Approved:	KL
Date:	11/15/2013
Project #:	5169

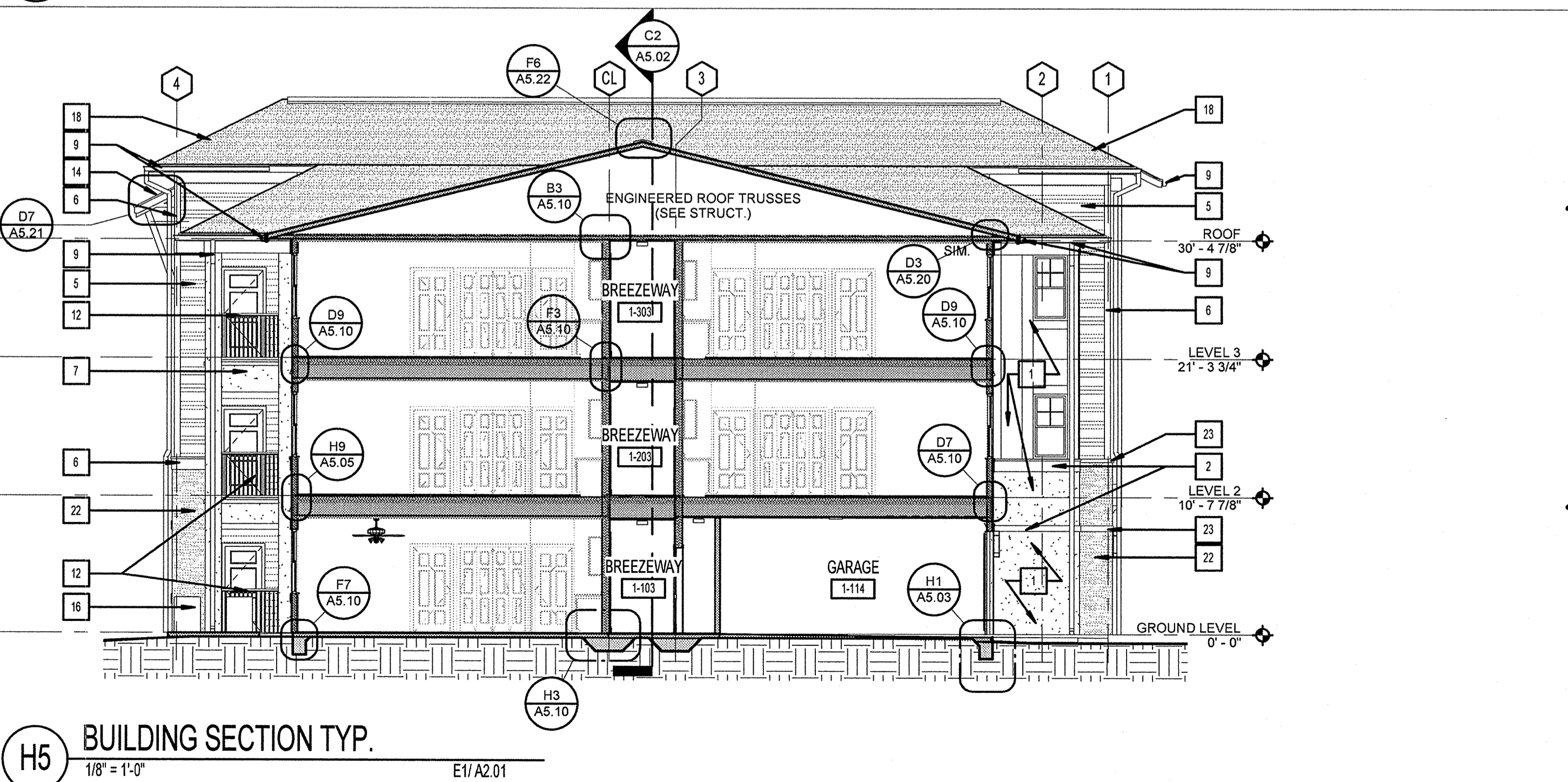
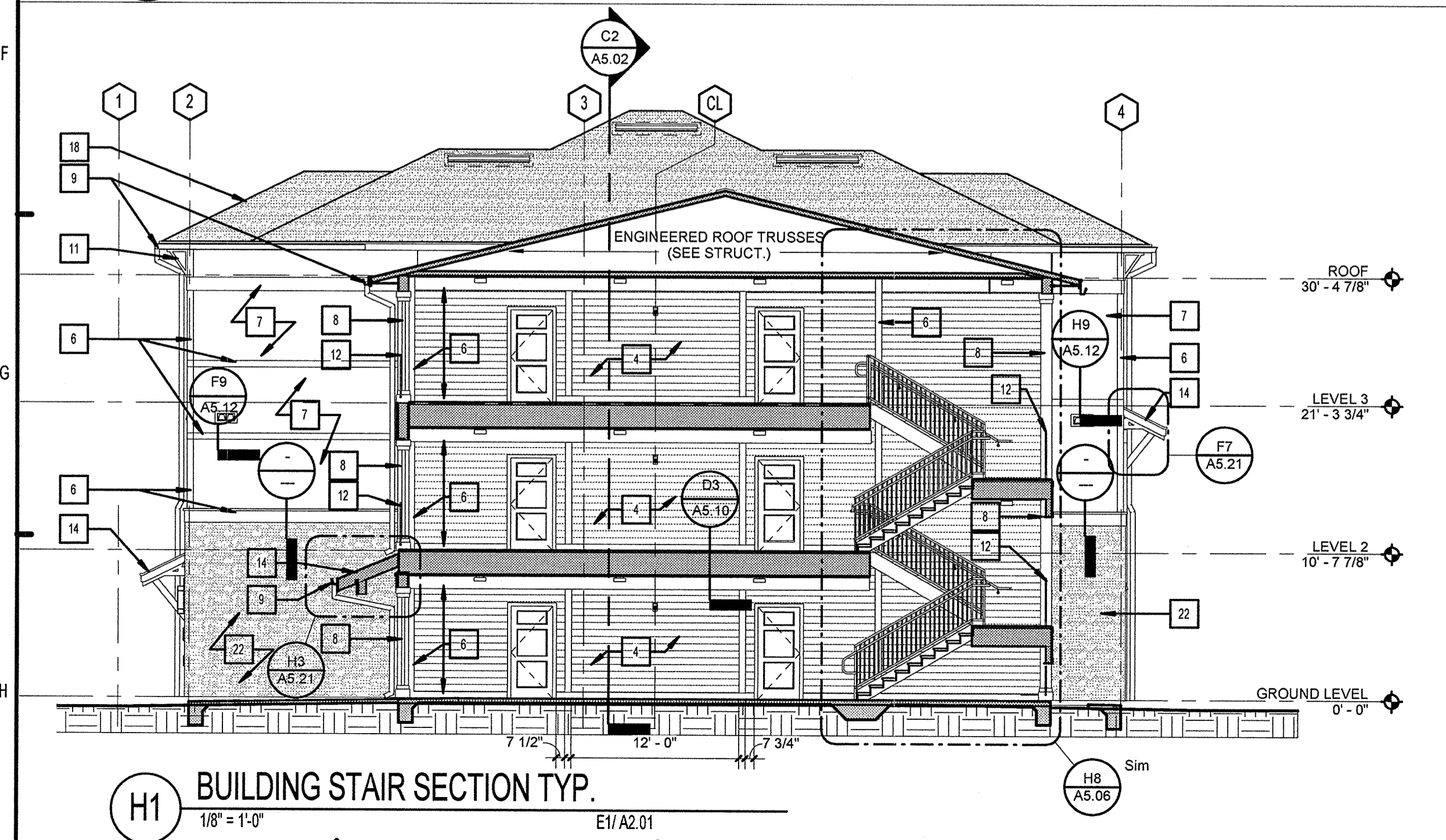
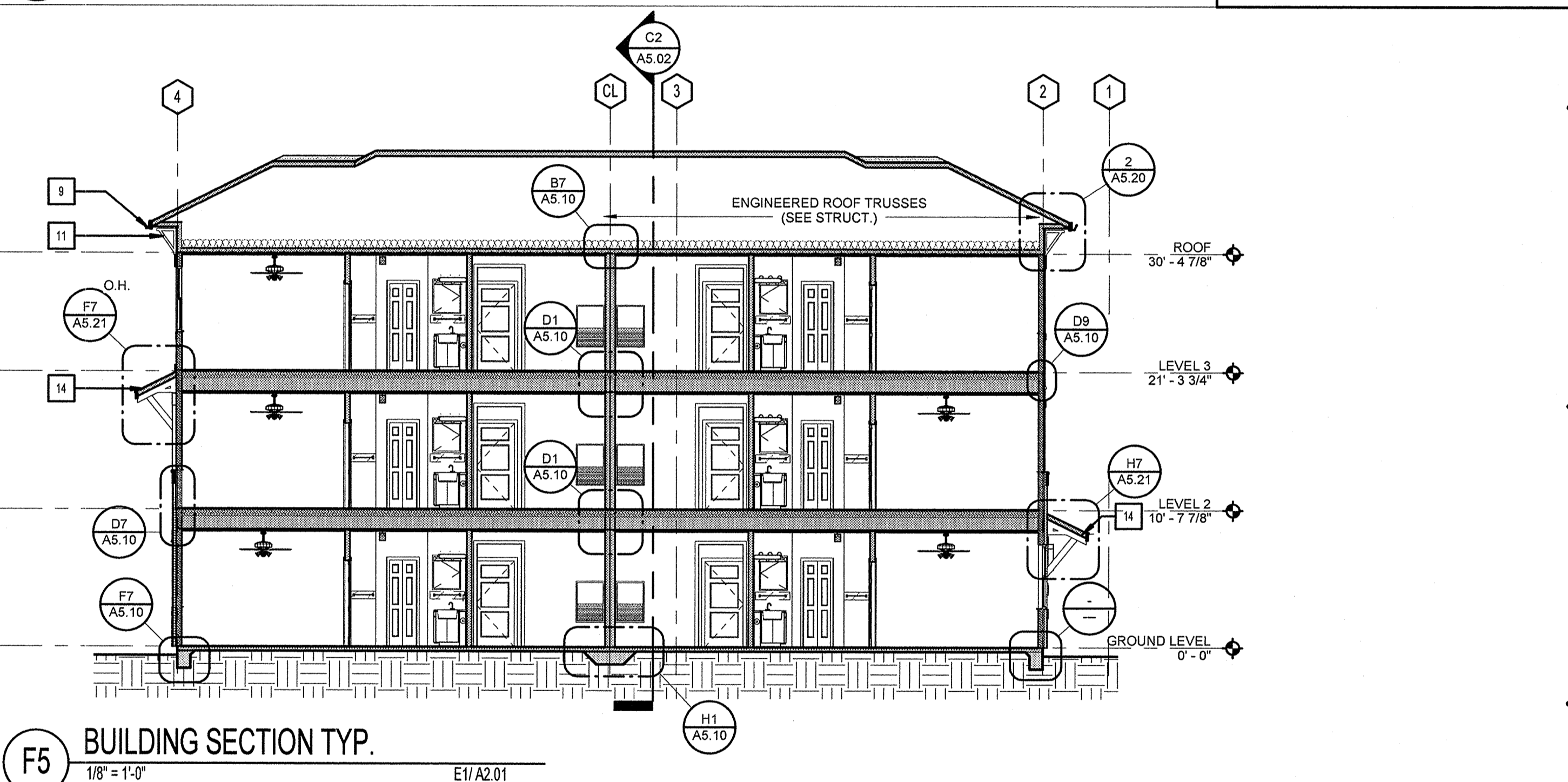
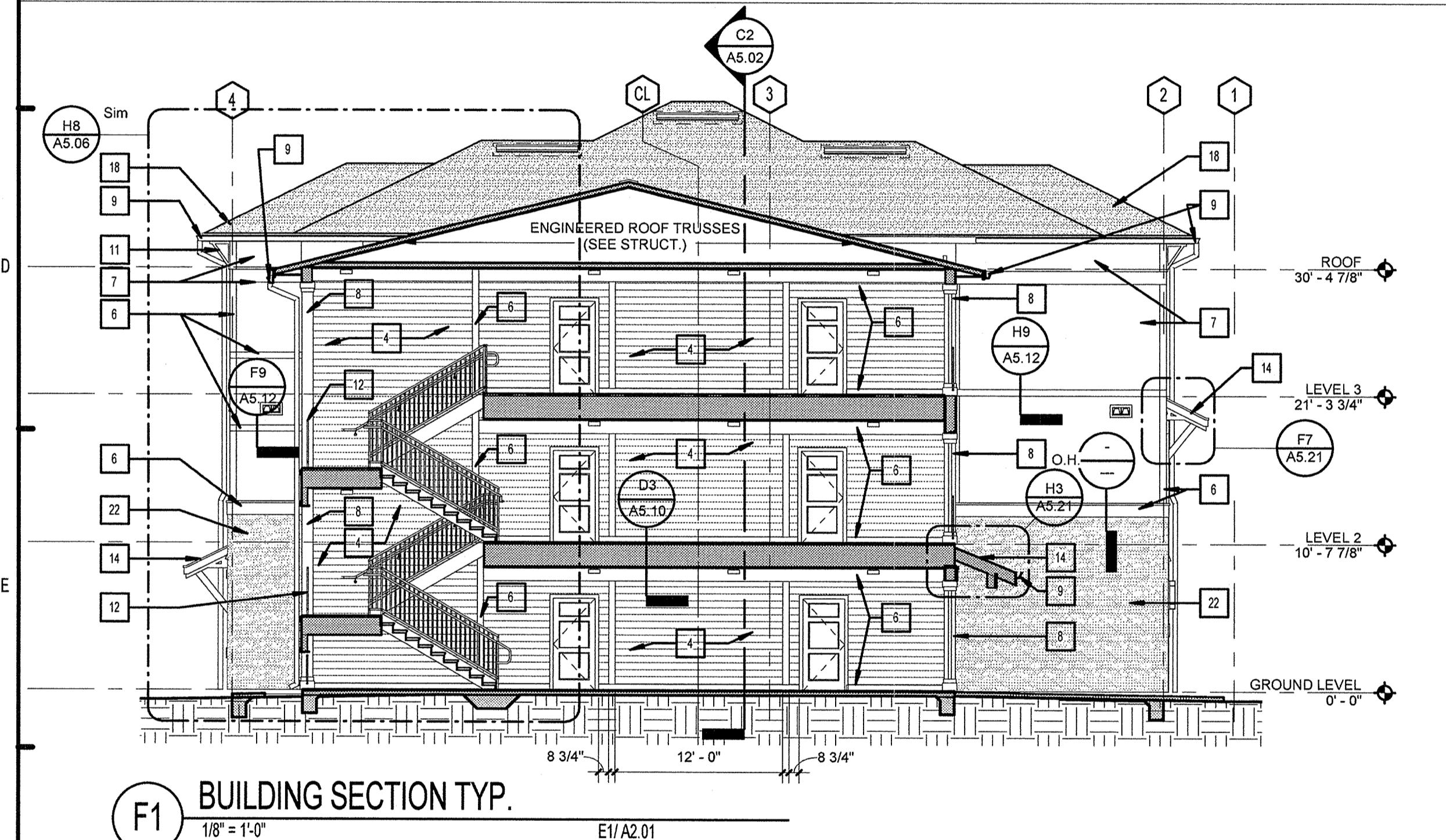
**A4.12**

KEN LINDEMAN  
FLORIDA LICENSE # AR0017385





- KEYNOTES**
1. STUCCO
  2. STUCCO TRIM - SMOOTH FINISH
  3. FIBER CEMENT SIDING - 4" EXPOSURE
  4. FIBER CEMENT SIDING - 6" EXPOSURE
  5. FIBER CEMENT SIDING - 4" / 8" SKIP EXPOSURE
  6. FIBER CEMENT TRIM
  7. FIBER CEMENT PANEL
  8. FIBER CEMENT PANEL BUILD-OUT COLUMN
  9. ALUMINUM GUTTER AND DOWNSPOUT
  10. STUCCO CONTROL JOINT - SEE DETAIL
  11. MANUFACTURED BRACKET (FYFON 24X18X4S @ UPPER ROOF, FYFON COROG8X12S @ OVERHANG)
  12. METAL GUARD RAIL - 36" H. FIRST FLOOR RAILINGS
  13. 2" H. SECOND AND THIRD FLOOR (TYP.)
  14. FUTURE SIGNAGE/AREA - SIGNAGE DESIGN BY OTHERS
  15. METAL ROOF - (BERRIDGE CEE LOCK OR EQ)
  16. LAUNDRY / BATHROOM EXHAUST VENTS
  17. CONDENSING UNIT - SEE MECHANICAL
  18. FLASHING
  19. FIBERGLASS REINFORCED ARCHITECTURAL SHINGLES
  20. FIBER CEMENT BATTENS
  21. FIBER CEMENT FASCIA BOARD
  22. BUILDING FIRE SIGN
  23. SIGN TO BE LOCATED ON FRONT OF BUILDING ONLY
  24. SEE SITE PLAN FOR BUILDING ORIENTATION.
  25. CAST STONE VENEER
  26. STONE TRIM
  27. STRUCTURAL BRACKET
  28. GARAGE DOOR - SEE DOOR SCHEDULE
  29. FIBER CEMENT BOXED-OUT DECORATIVE ELEMENT.
  30. RIDGE VENT
  31. LIGHT FIXTURE (SEE ELECTRICAL)
- NOTE: 1ST 4'-0" OF GROUND FLOOR BUILDING SHEATHING TO BE PRESSURE TREATED AROUND PERIMETER OF ENTIRE BUILDING.



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**FUGLEBERG KOCH**  
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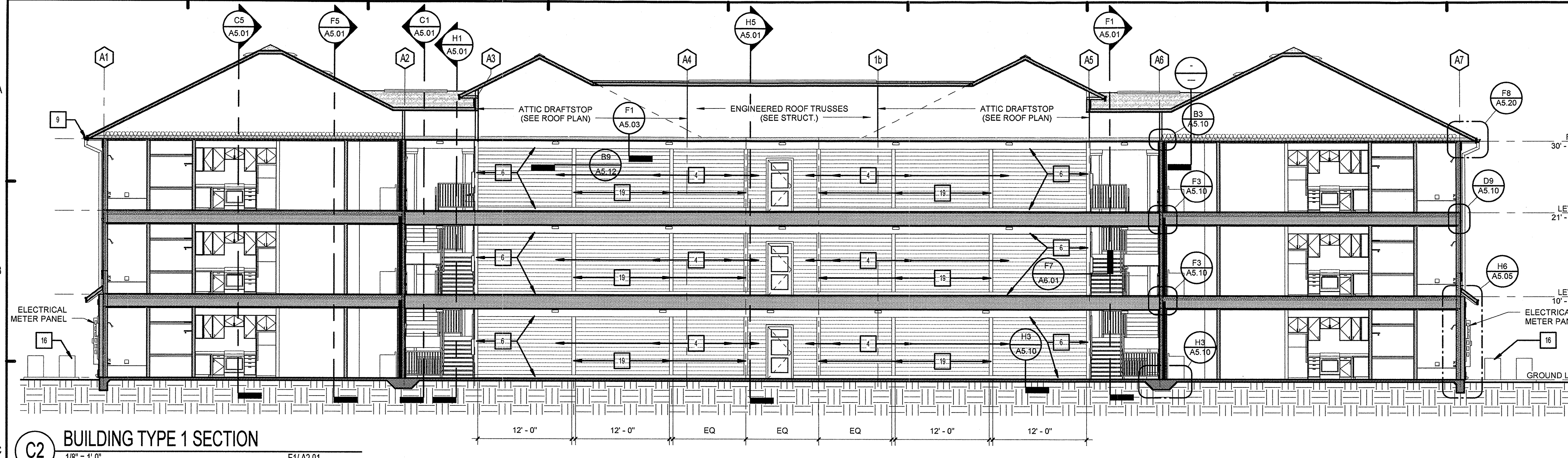
**SUMMER BAY APARTMENTS**  
Lake County, FL

**BUILDING SECTIONS** A5.01

Drawn: KP  
Checked: KL  
Approval: RL  
Date: 11/15/2013  
Project #: 5169

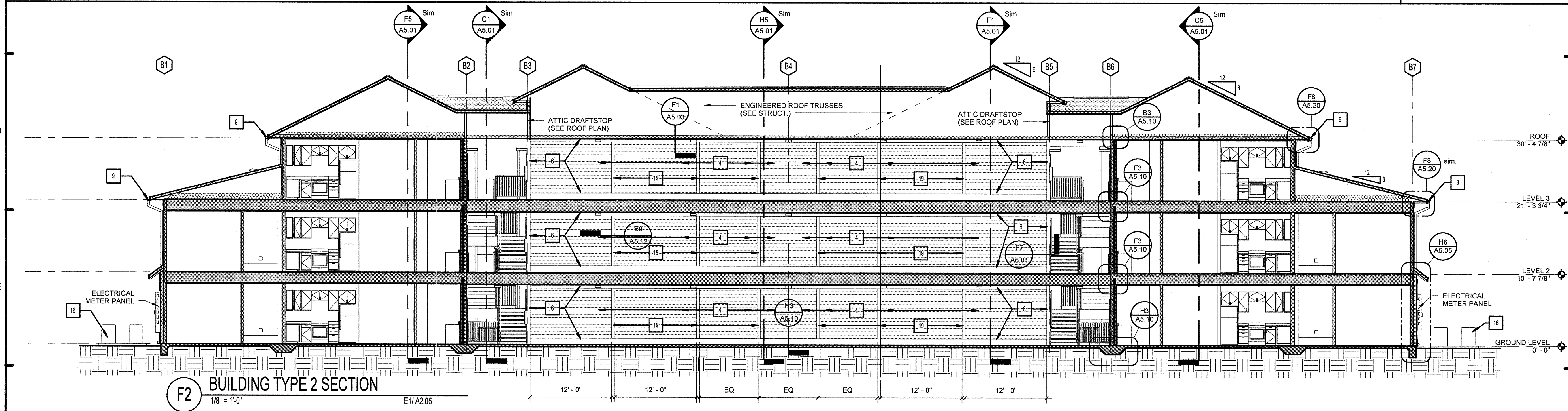
KEN LINDEMAN  
FLORIDA LICENSE # AR0017385

*[Signature]*

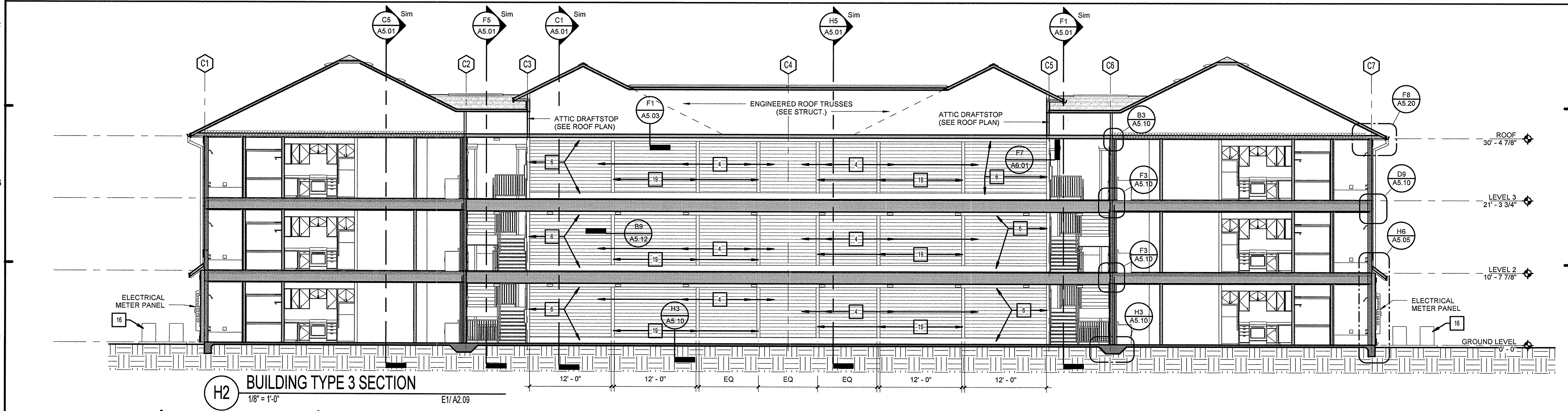


**C2 BUILDING TYPE 1 SECTION**  
1/8" = 1'-0" E1/A2.01

- KEY NOTES**
1. STUCCO
  2. STUCCO TRIM - SMOOTH FINISH
  3. FIBER CEMENT SIDING - 4" EXPOSURE
  4. FIBER CEMENT SIDING - 6" EXPOSURE
  5. FIBER CEMENT SIDING - 4" / 8" SKIP EXPOSURE
  6. FIBER CEMENT TRIM
  7. FIBER CEMENT PANEL
  8. FIBER CEMENT PANEL BUILD-OUT COLUMN
  9. ALUMINUM GUTTER AND DOWNSPOUT
  10. STUCCO CONTROL JOINT - SEE DETAIL
  11. MANUFACTURED BRACKET (FYRON 24X18X4S @ UPPER ROOF, FYRON COROG8X12S @ OVERHANG)
  12. METAL GUARD RAIL
  13. 36" I. FIRST FLOOR RAILINGS
  14. 42" I. SECOND AND THIRD FLOOR (TYP.)
  15. FUTURE SIGNAGE/AREA - SIGNAGE DESIGN BY OTHERS
  16. METAL ROOF - (BERRIDGE CEE LOCK OR EQ)
  17. LAUNDRY / BATHROOM EXHAUST VENTS
  18. CONDENSING UNIT - SEE MECHANICAL
  19. FLASHING
  20. 21'-3 3/4"
  21. FIBERGLASS REINFORCED ARCHITECTURAL SHINGLES
  22. FIBER CEMENT BATTENS
  23. FIBER CEMENT FASCIA BOARD
  24. BUILDING FIRE SIGN
  25. SIGN TO BE LOCATED ON FRONT OF BUILDING ONLY SEE SITE PLAN FOR BUILDING ORIENTATION.
  26. CAST STONE VENEER
  27. STONE TRIM
  28. STRUCTURAL BRACKET
  29. GARAGE DOOR - SEE DOOR SCHEDULE
  30. FIBER CEMENT BOXED-OUT DECORATIVE ELEMENT.
  31. RIDGE VENT
  32. LIGHT FIXTURE (SEE ELECTRICAL)
- NOTE: SET 4'-0" OF GROUND FLOOR BUILDING SHEATHING TO BE PRESSURE TREATED AROUND ELECTRICAL METER PANEL OF ENTIRE BUILDING.



**F2 BUILDING TYPE 2 SECTION**  
1/8" = 1'-0" E1/A2.05



**H2 BUILDING TYPE 3 SECTION**  
1/8" = 1'-0" E1/A2.09

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**SUMMER BAY APARTMENTS**  
Lake County, FL

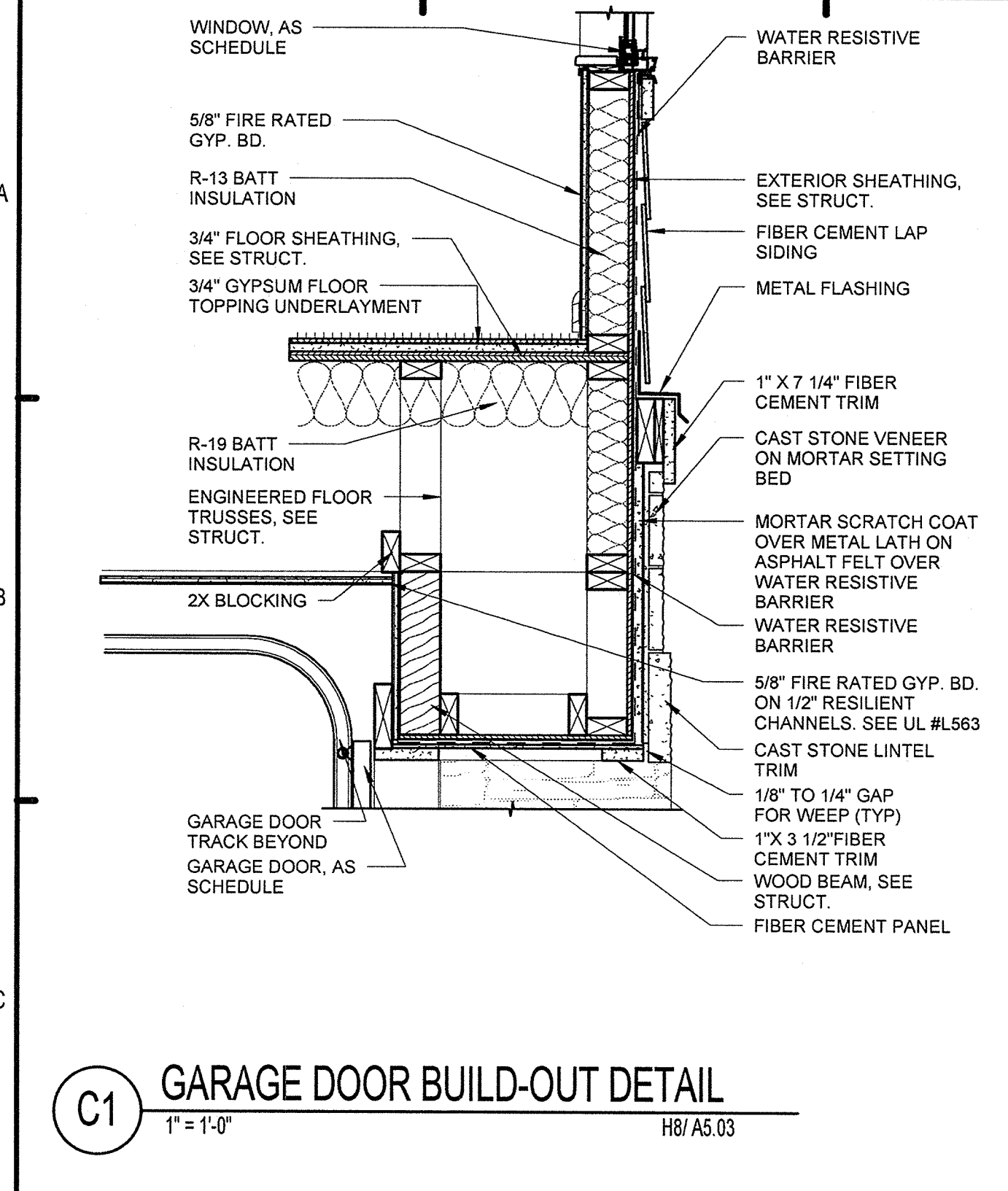
**BUILDING SECTIONS** A5.02

Drawn: KP  
Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5199

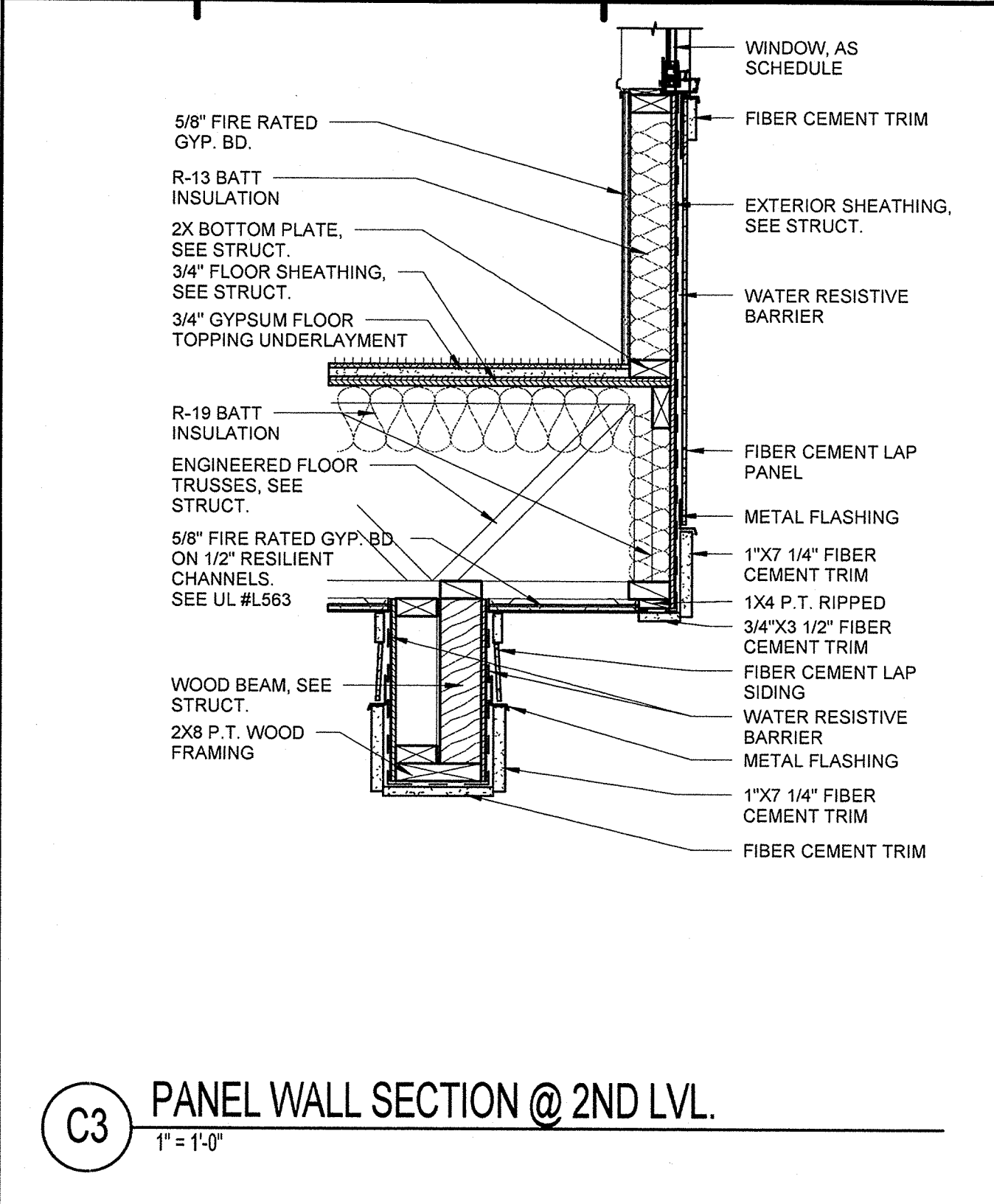
KEN LEVHANN  
FLORIDA LICENSE # AR0107395

12/13/13

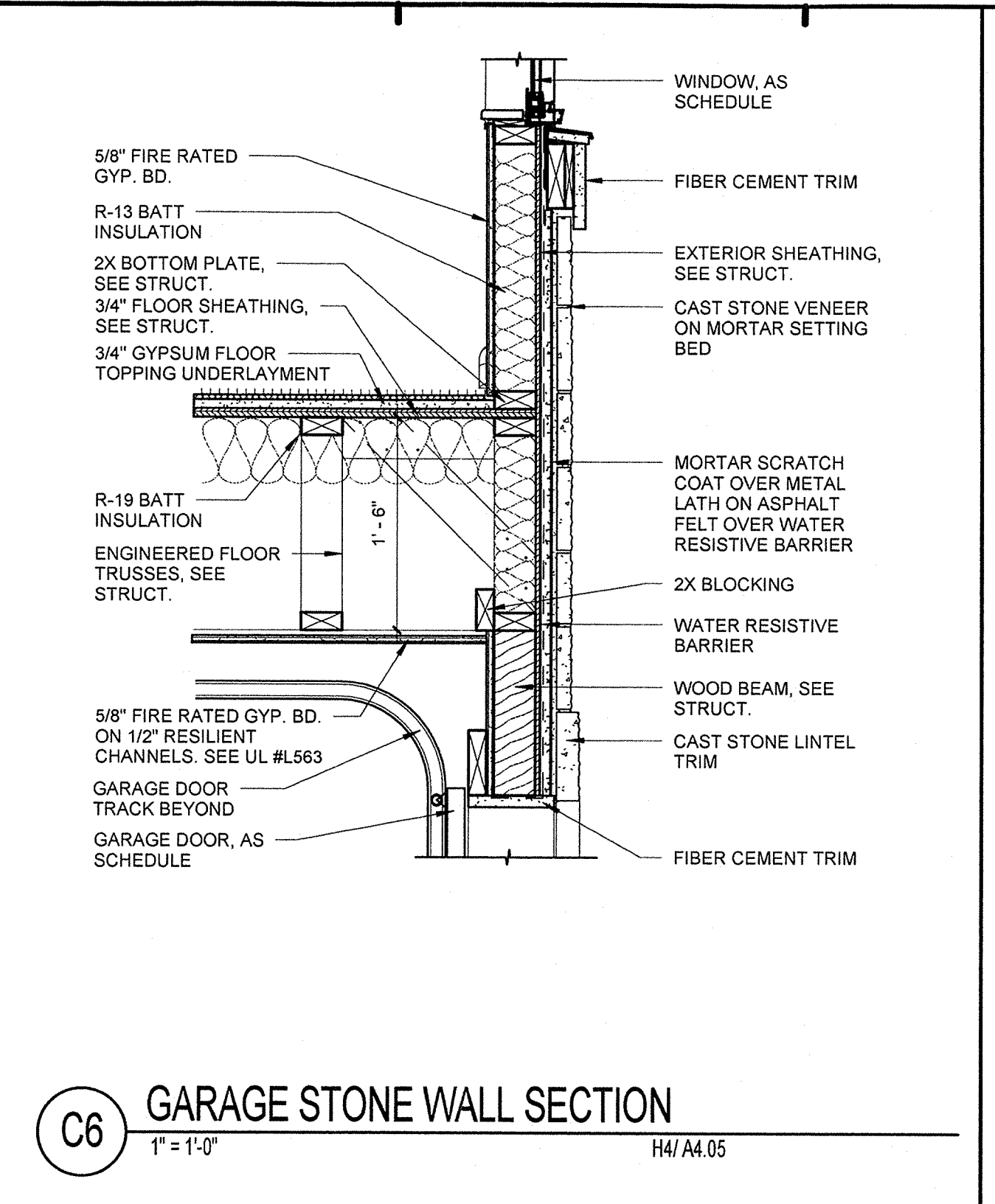
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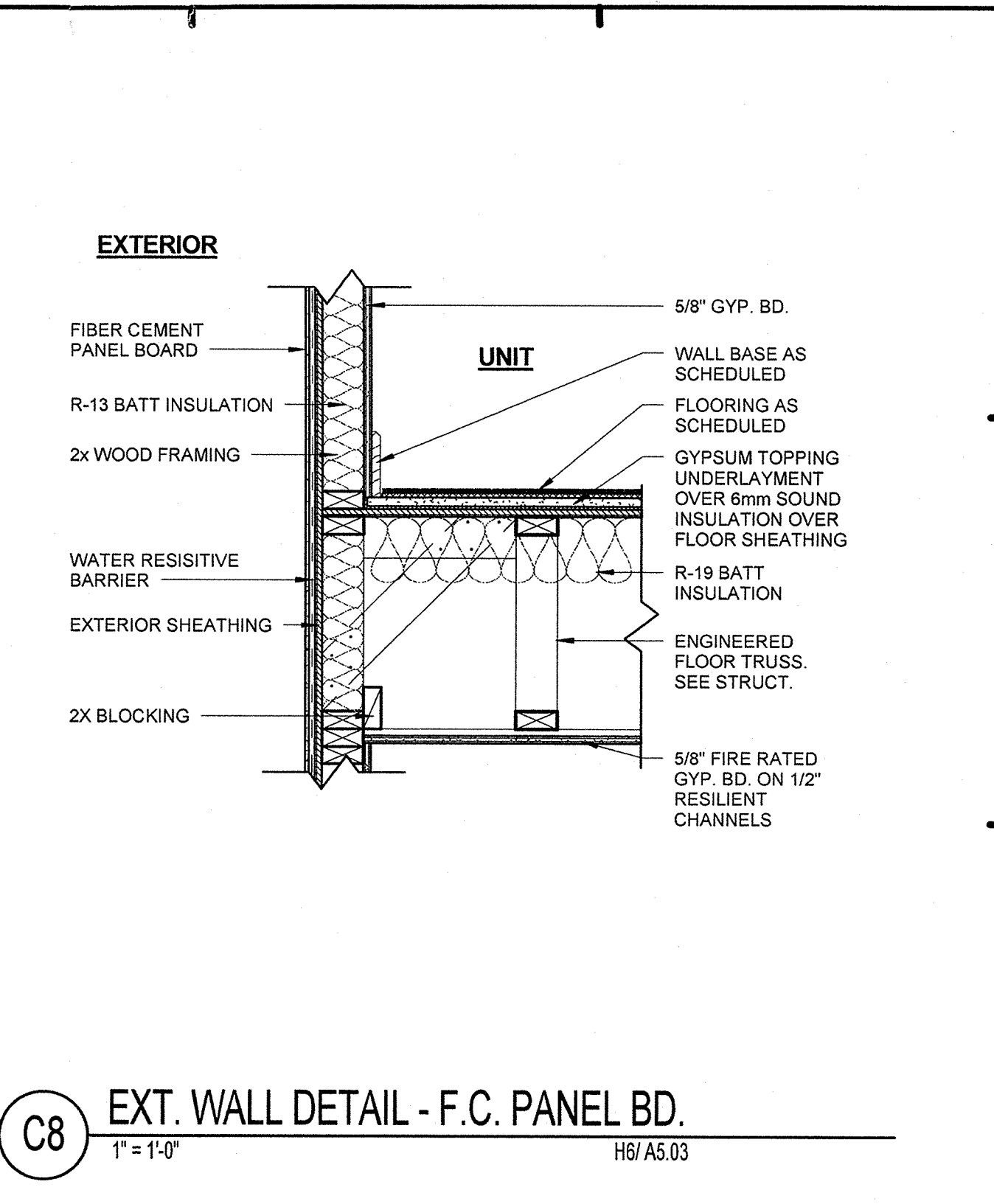
**C1 GARAGE DOOR BUILD-OUT DETAIL**  
1" = 1'-0" H8/A5.03



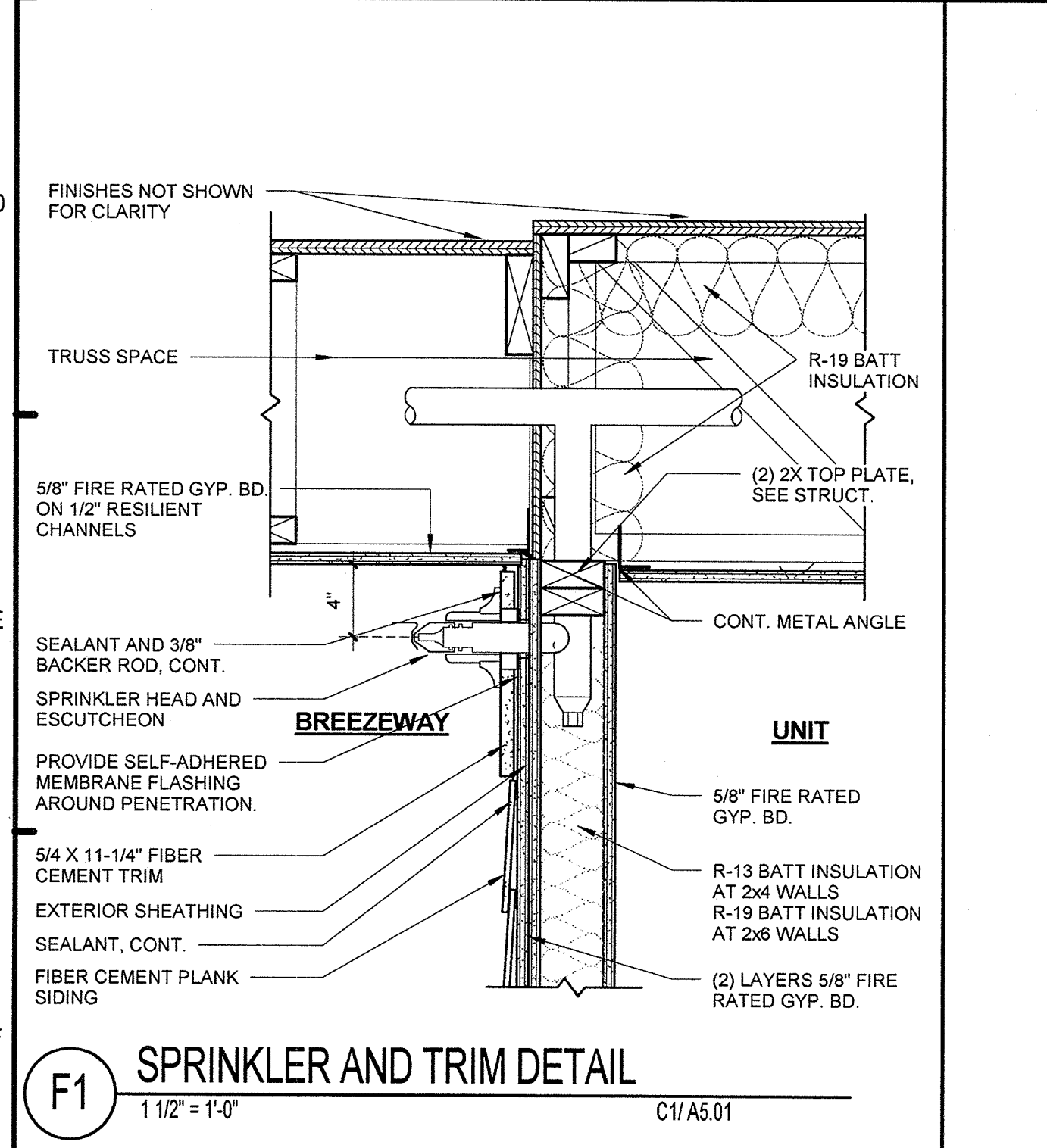
**C3 PANEL WALL SECTION @ 2ND LVL.**  
1" = 1'-0"



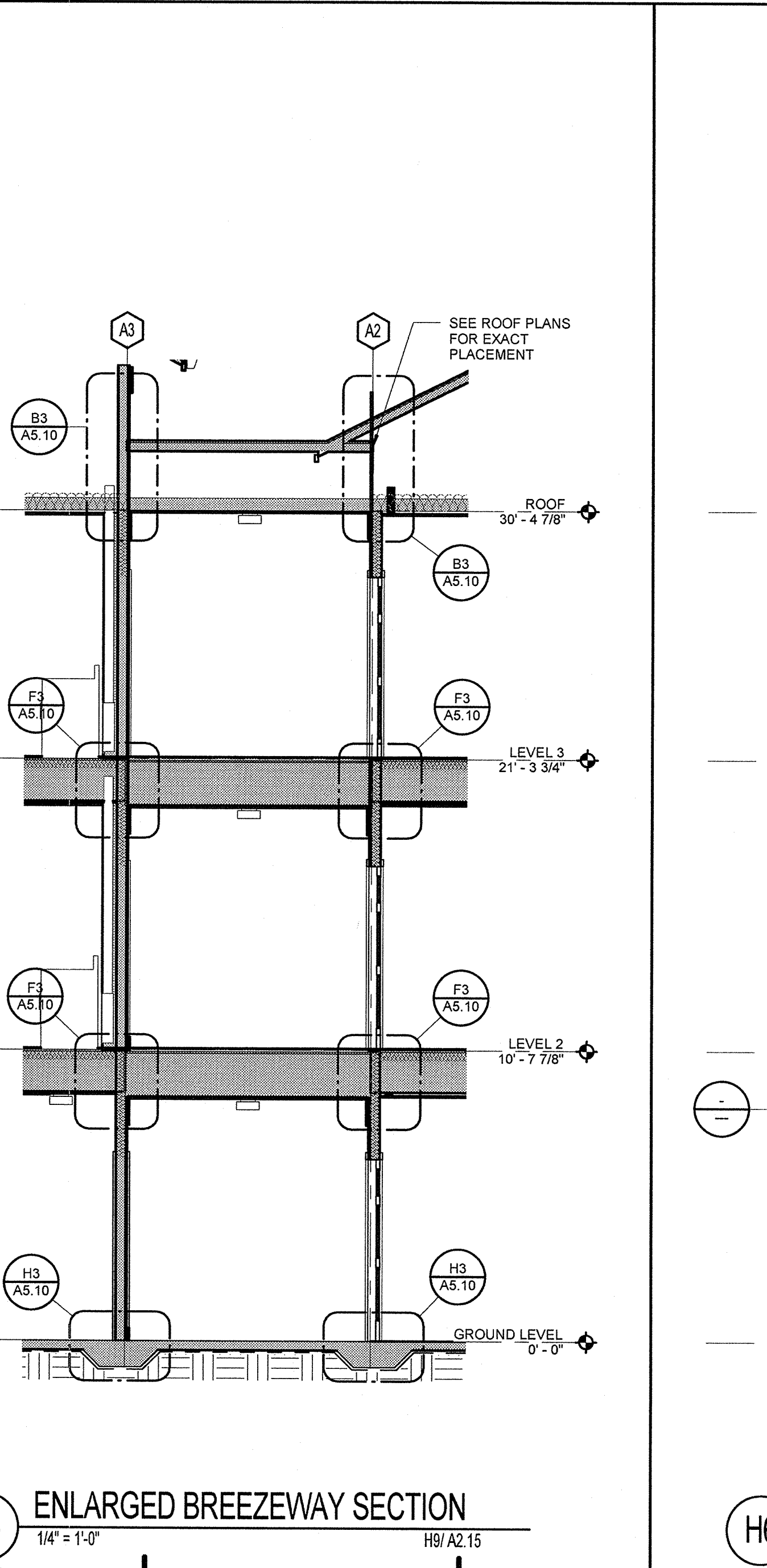
**C6 GARAGE STONE WALL SECTION**  
1" = 1'-0" H4/A4.05



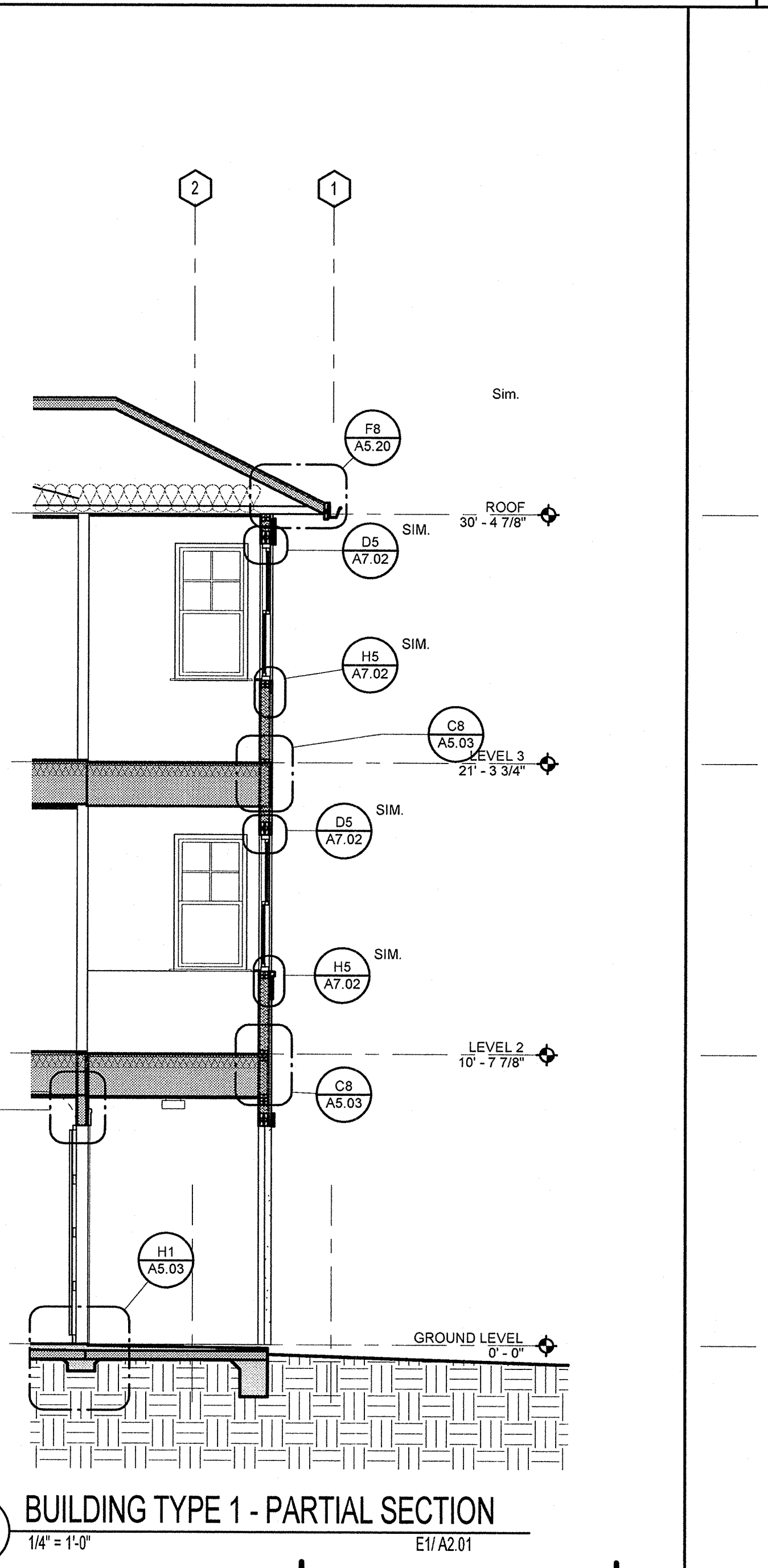
**C8 EXT. WALL DETAIL - F.C. PANEL BD.**  
1" = 1'-0" H6/A5.03



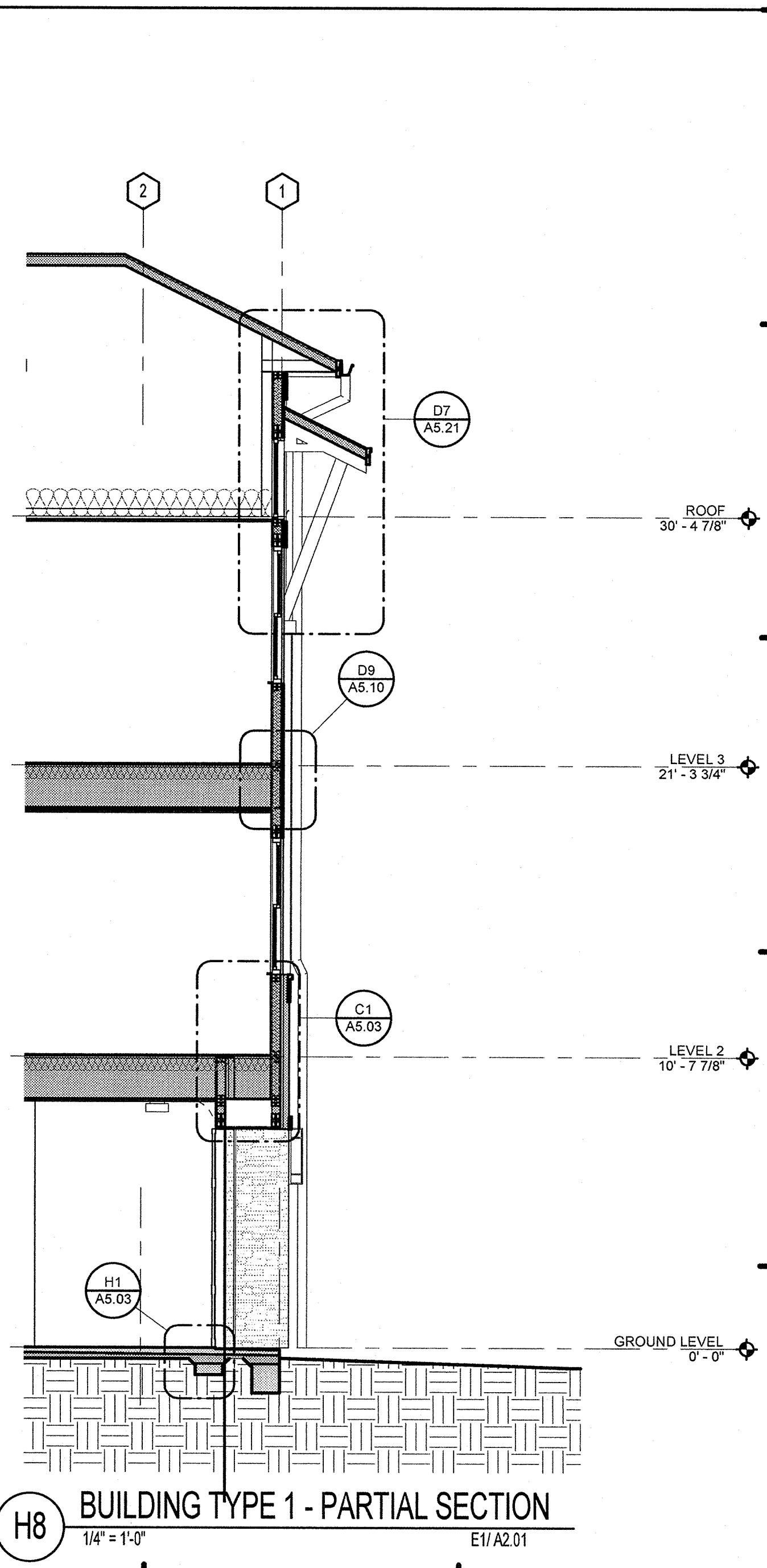
**F1 SPRINKLER AND TRIM DETAIL**  
1 1/2" = 1'-0" C1/A5.01



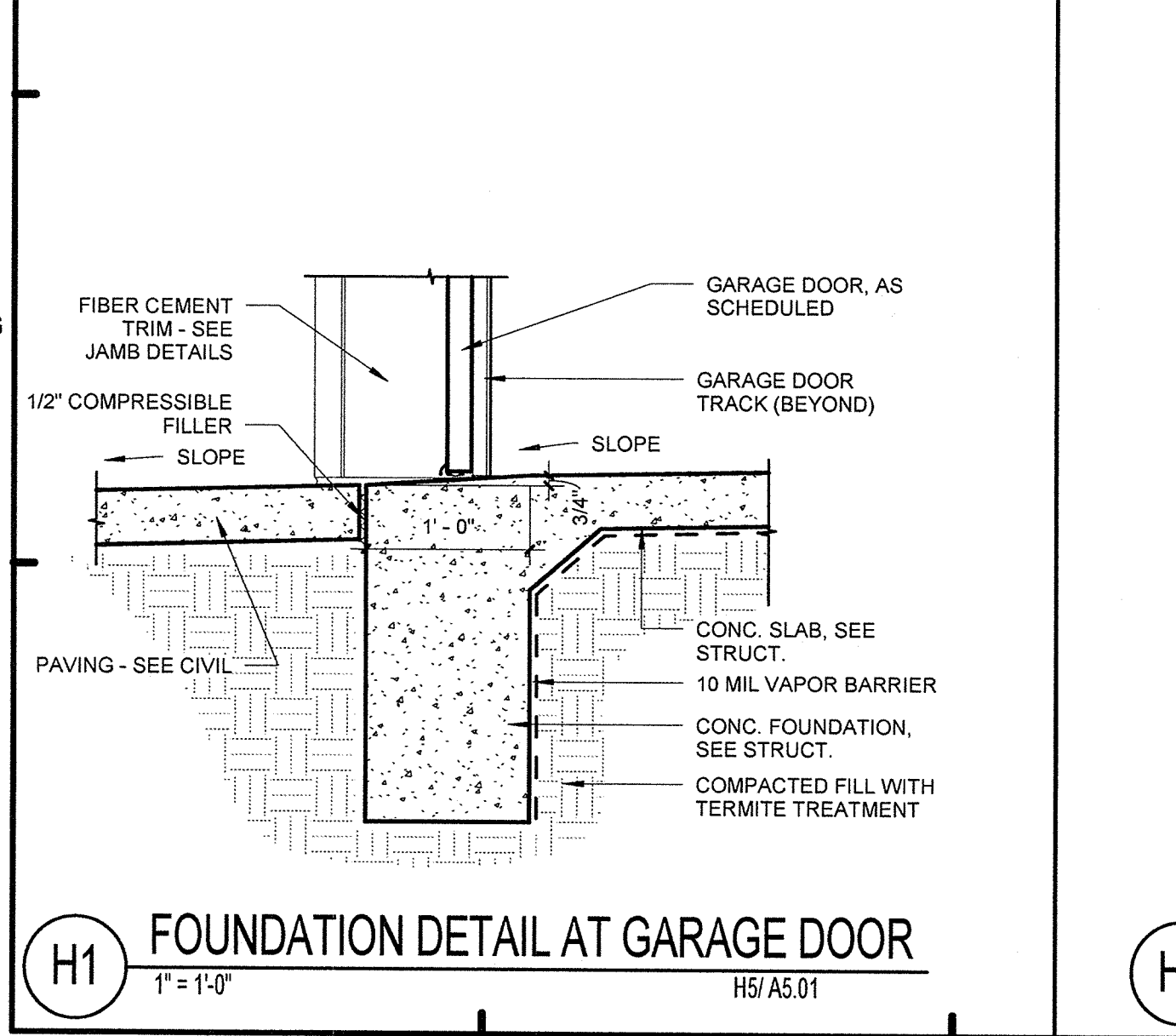
**H3 ENLARGED BREEZEWAY SECTION**  
1/4" = 1'-0" H9/A2.15



**H6 BUILDING TYPE 1 - PARTIAL SECTION**  
1/4" = 1'-0" E1/A2.01



**H8 BUILDING TYPE 1 - PARTIAL SECTION**  
1/4" = 1'-0" E1/A2.01



**H1 FOUNDATION DETAIL AT GARAGE DOOR**  
1" = 1'-0" H5/A5.01

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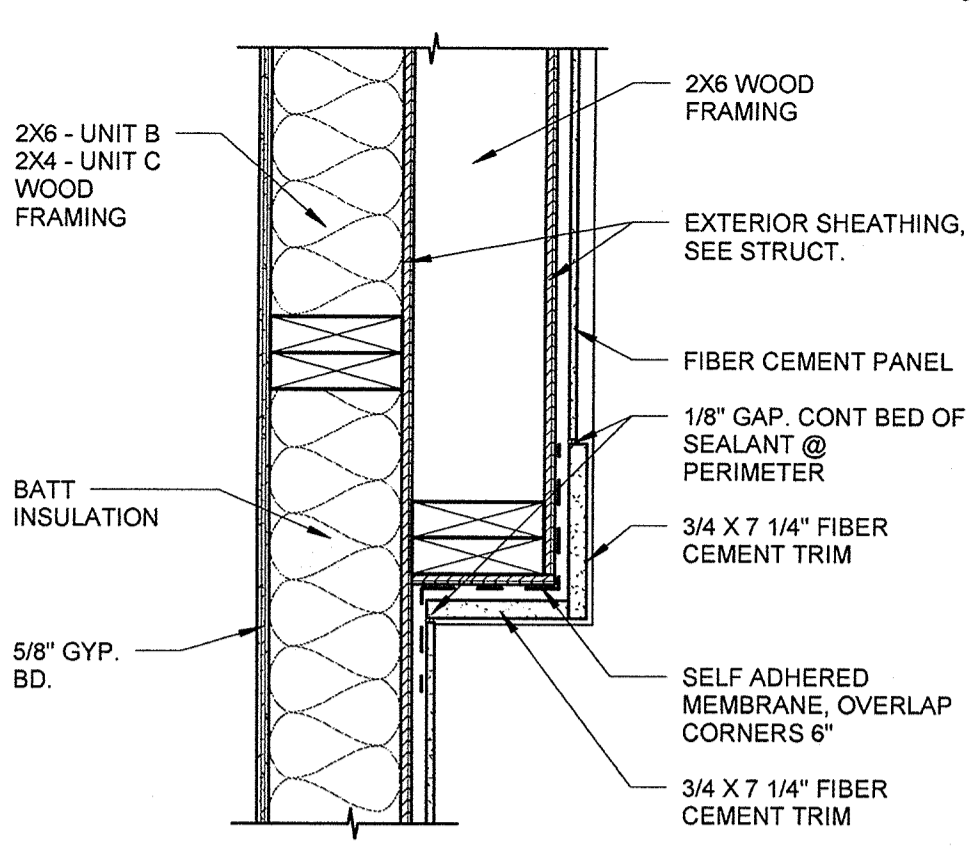
**SUMMER BAY APARTMENTS**  
Lake County, FL

**BUILDING SECTIONS** A5.03

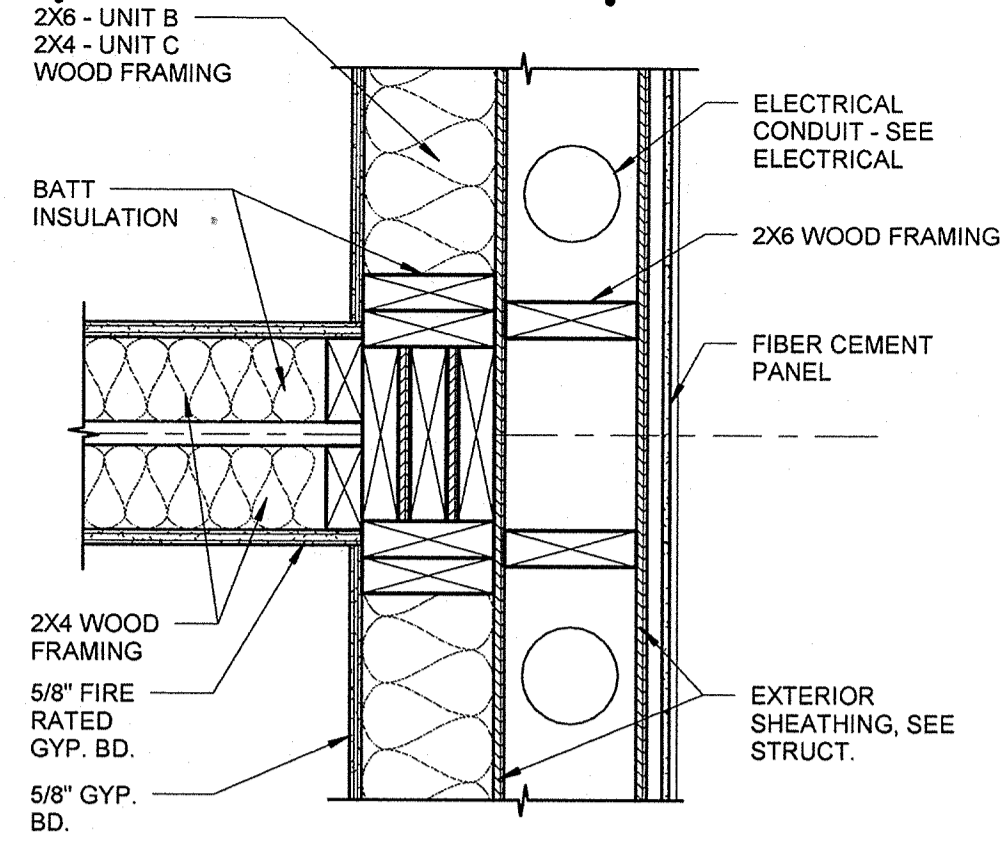
Drawn: Author  
Checked: KL  
Approval: KL  
Date: 11/15/2013  
Project #: 5169

KEN LINDEMAN  
FLORIDA LICENSE # A0017385

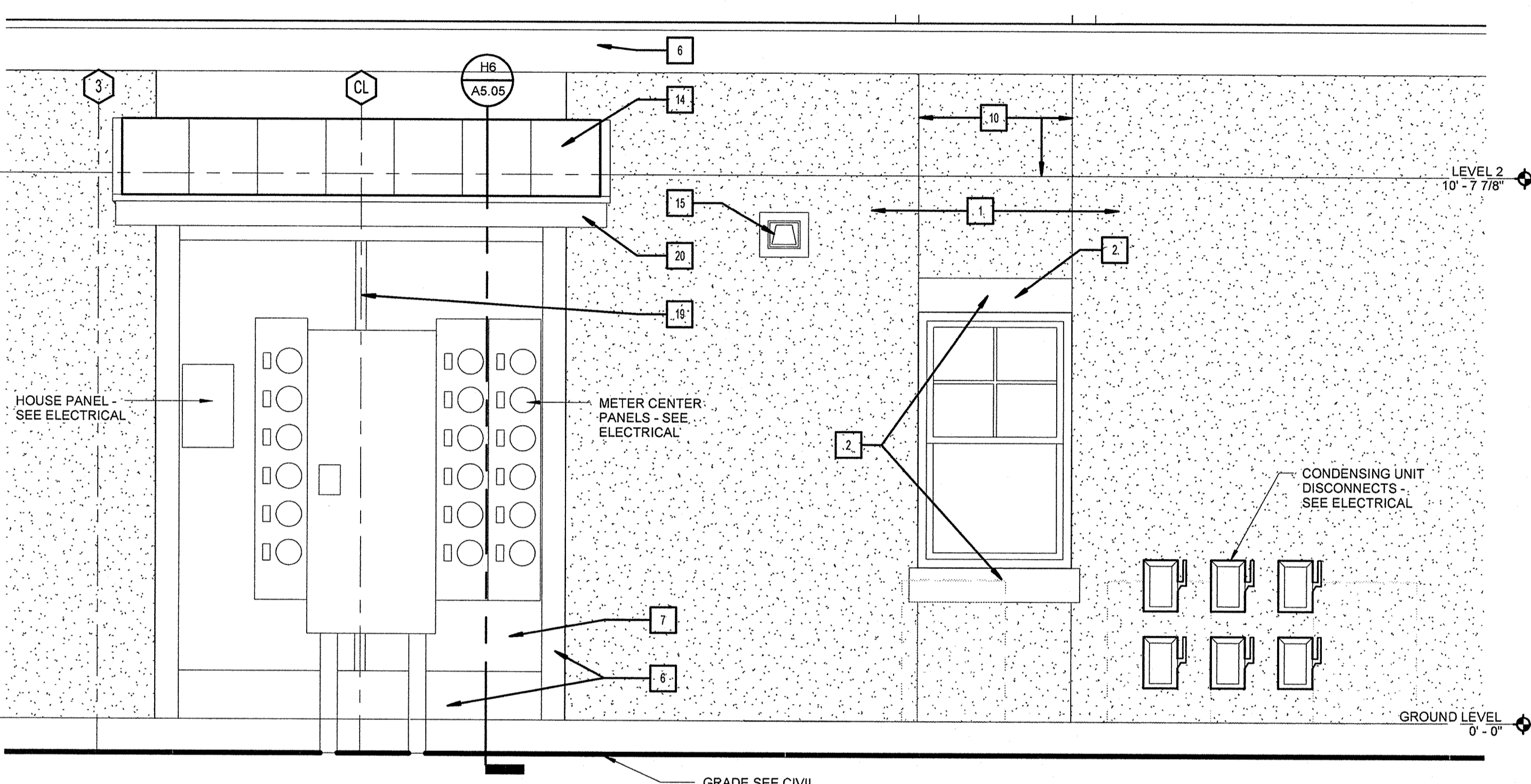
*[Signature]*



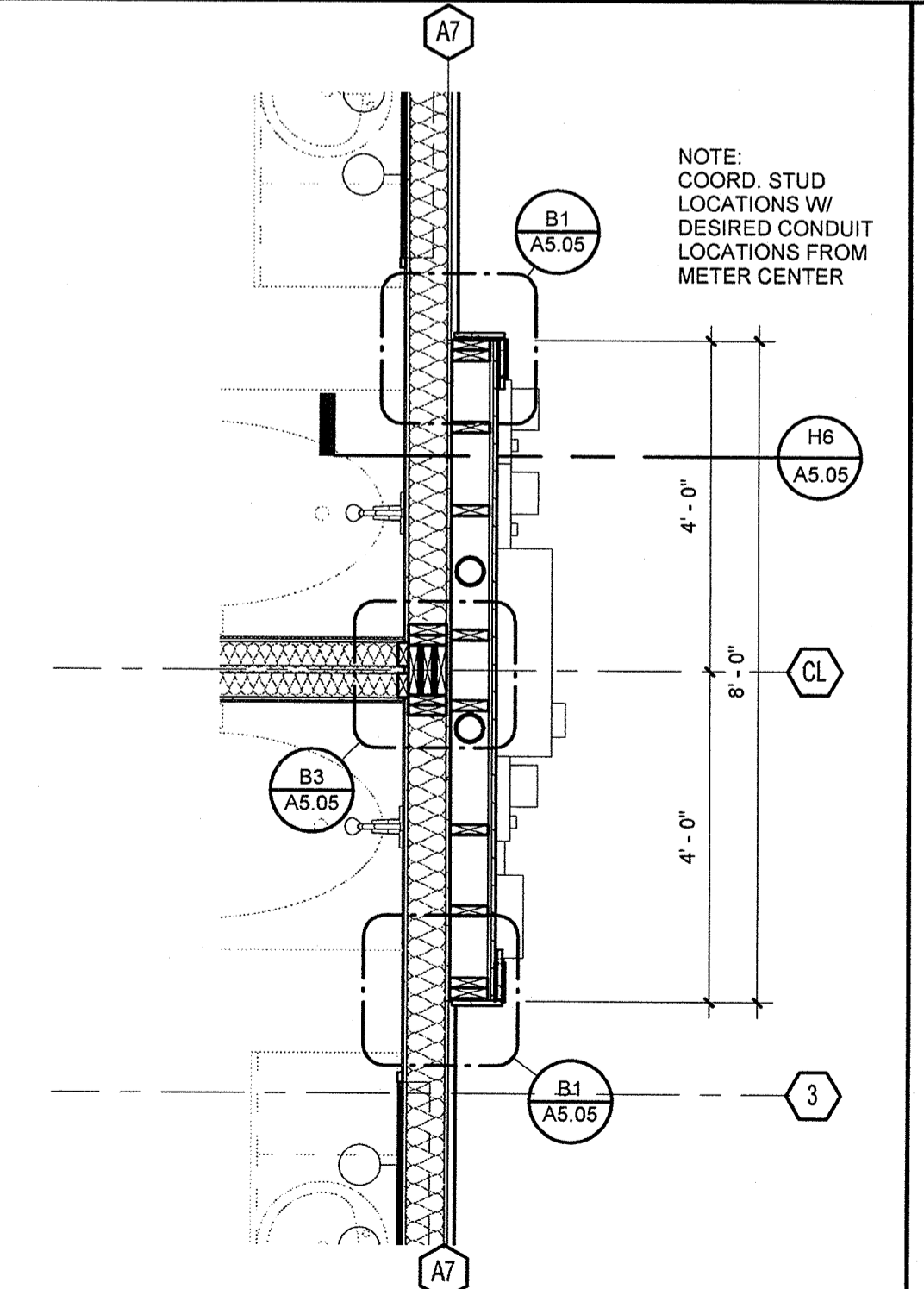
**B1** METER CENTER PLAN DETAIL  
1 1/2" = 1'-0" H1/A5.05



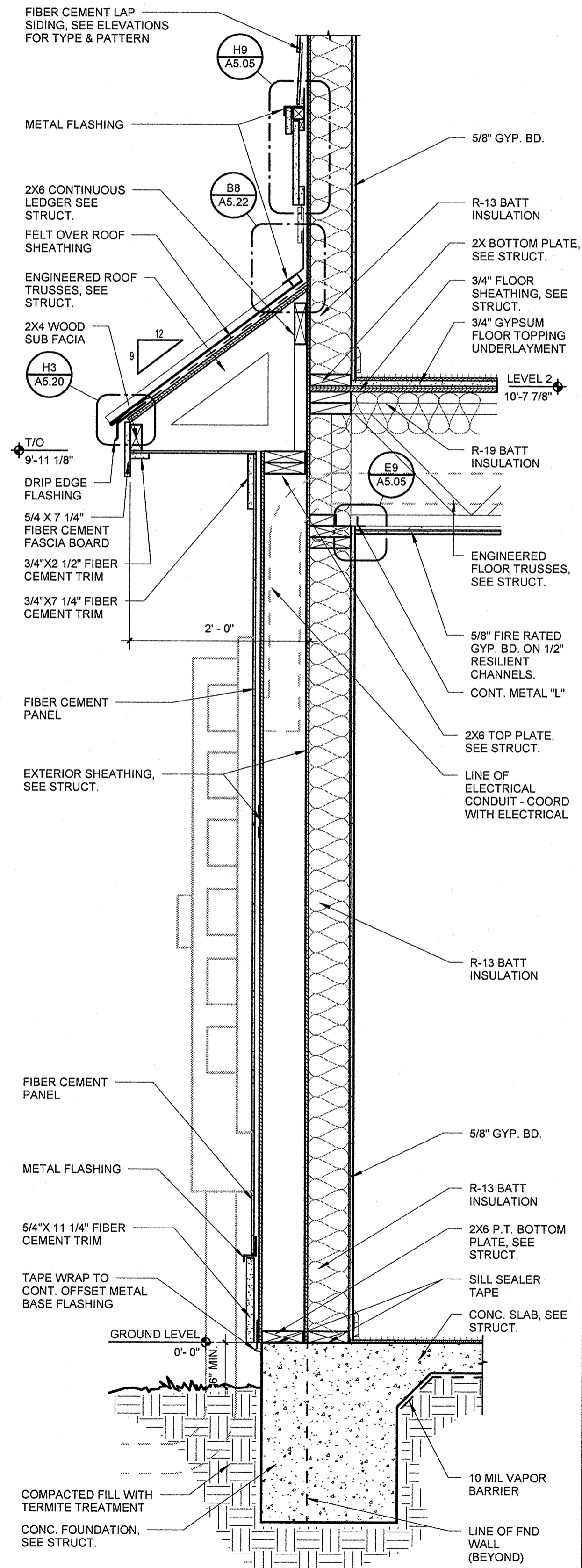
**B3** METER CENTER PLAN DETAIL  
1 1/2" = 1'-0" H1/A5.05



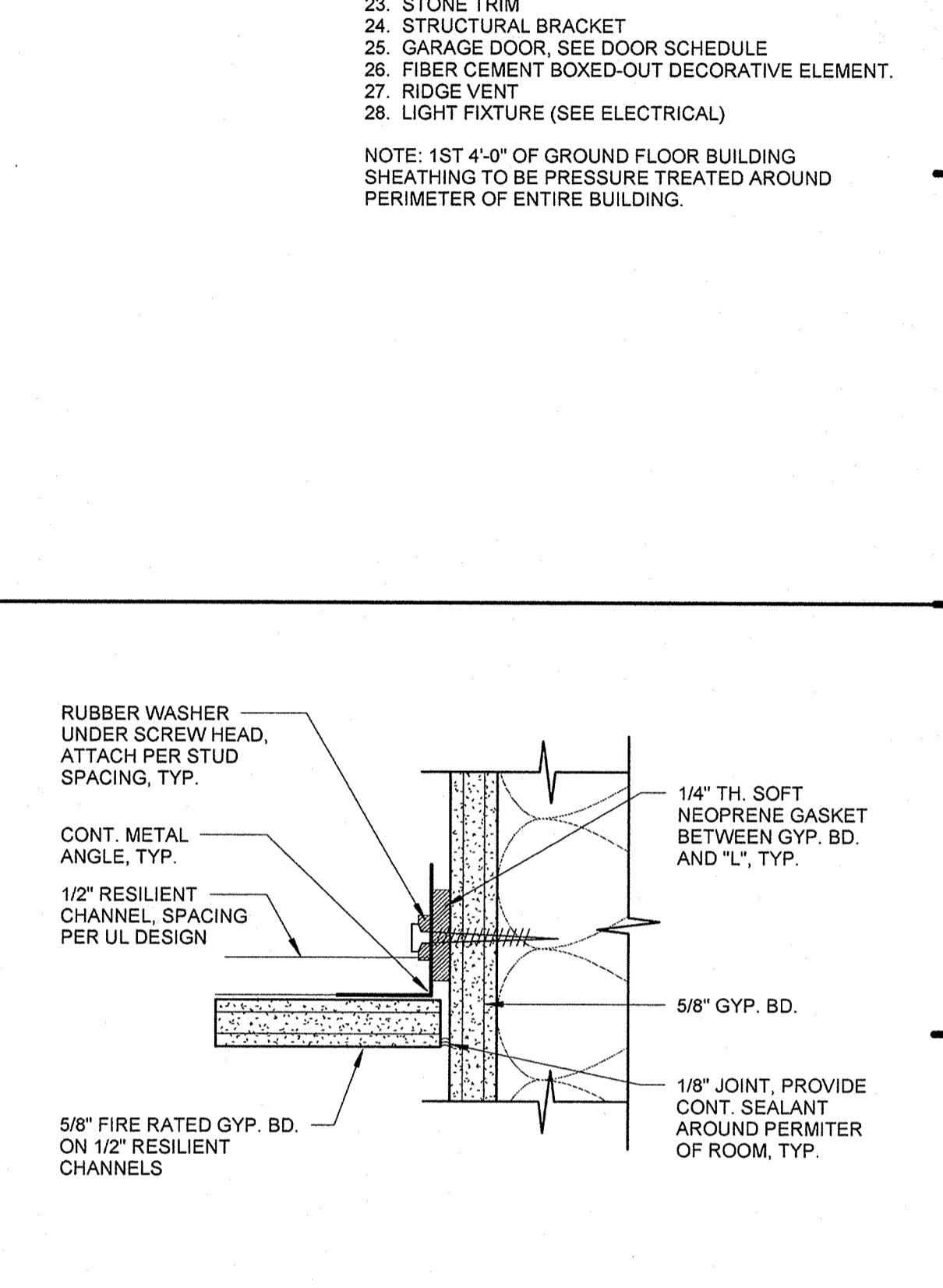
**E1** ELECTRICAL METER WALL  
1/2" = 1'-0" E6/A4.01



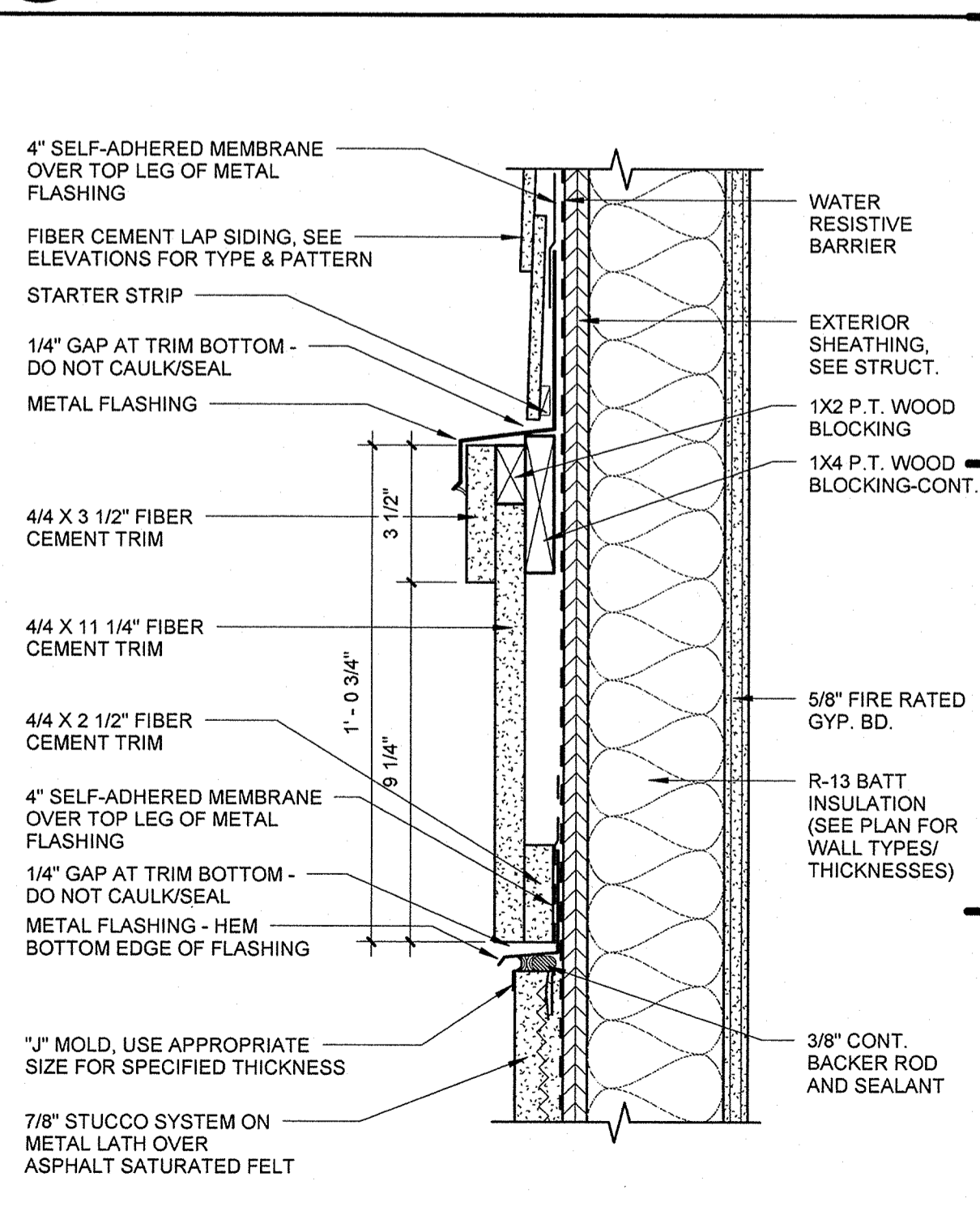
**H1** ELECTRIC METER WALL PLAN  
1/2" = 1'-0" E1/A2.01



**H6** METER CENTER WALL SECTION  
1" = 1'-0" C2/A5.02



**E9** CEILING TO WALL DETAIL  
6" = 1'-0"



**H9** FLASHING DETAIL @ RAISED TRIM BAND  
3" = 1'-0"

- KEY NOTES**
1. STUCCO
  2. STUCCO TRIM - SMOOTH FINISH
  3. FIBER CEMENT SIDING - 4" EXPOSURE
  4. FIBER CEMENT SIDING - 6" EXPOSURE
  5. FIBER CEMENT SIDING - 4" / 8" SKIP EXPOSURE
  6. FIBER CEMENT TRIM
  7. FIBER CEMENT PANEL
  8. FIBER CEMENT PANEL BUILD-OUT COLUMN
  9. ALUMINUM GUTTER AND DOWNSPOUT
  10. STUCCO CONTROL JOINT - SEE DETAIL
  11. MANUFACTURED BRACKET (FYPON COROGX12S @ UPPER ROOF, FYPON COROGX12S @ OVERHANG)
  12. METAL GUARD RAIL - 36" H. FIRST FLOOR RAILINGS
  13. 42" H. SECOND AND THIRD FLOOR (TYP.)
  14. FUTURE SIGNAGE/AREA - SIGNAGE DESIGN BY OTHERS
  15. METAL ROOF - (BERRIDGE CEE LOCK OR EQ)
  16. LAUNDRY / BATHROOM EXHAUST VENTS
  17. CONDENSING UNIT - SEE MECHANICAL
  18. FLASHING
  19. FIBERGLASS REINFORCED ARCHITECTURAL SHINGLES
  20. FIBER CEMENT BATTENS
  21. FIBER CEMENT FASCIA BOARD
  22. BUILDING FIRE SIGN
  23. SIGN TO BE LOCATED ON FRONT OF BUILDING ONLY - SEE SITE PLAN FOR BUILDING ORIENTATION.
  24. CAST STONE VENEER
  25. STONE TRIM
  26. STRUCTURAL BRACKET
  27. GARAGE DOOR, SEE DOOR SCHEDULE
  28. FIBER CEMENT BOXED-OUT DECORATIVE ELEMENT.
  29. RIDGE VENT
  30. LIGHT FIXTURE (SEE ELECTRICAL)

NOTE: 1ST 4'-0" OF GROUND FLOOR BUILDING SHEATHING TO BE PRESSURE TREATED AROUND PERIMETER OF ENTIRE BUILDING.

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Approved	KL
Date	11/15/2013
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**SUMMER BAY APARTMENTS**  
Lake County, FL

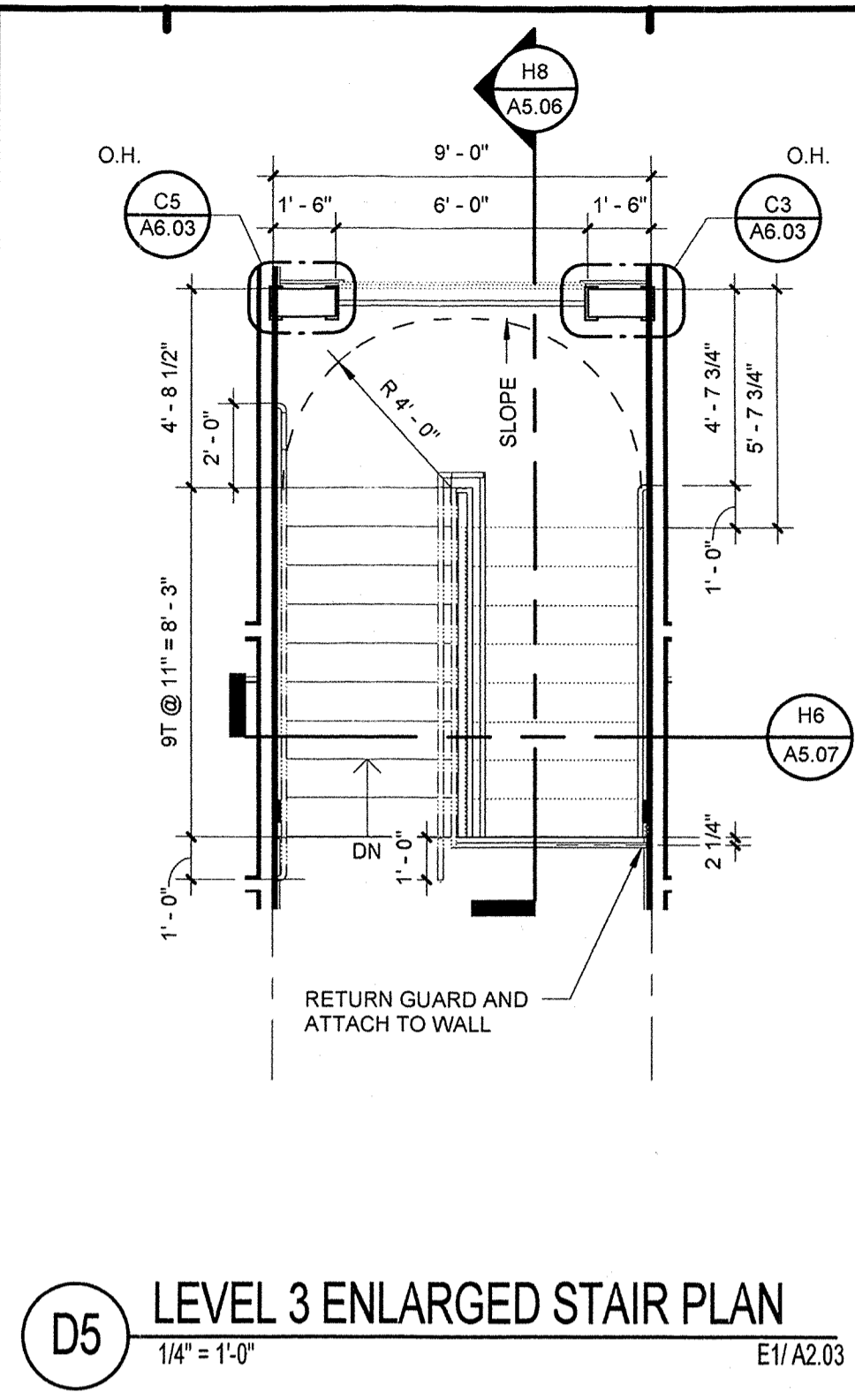
**ELECT. METER CENTER SECTIONS A5.05**

KEYLINEHAN  
FLORIDA LICENSE# AR0017385

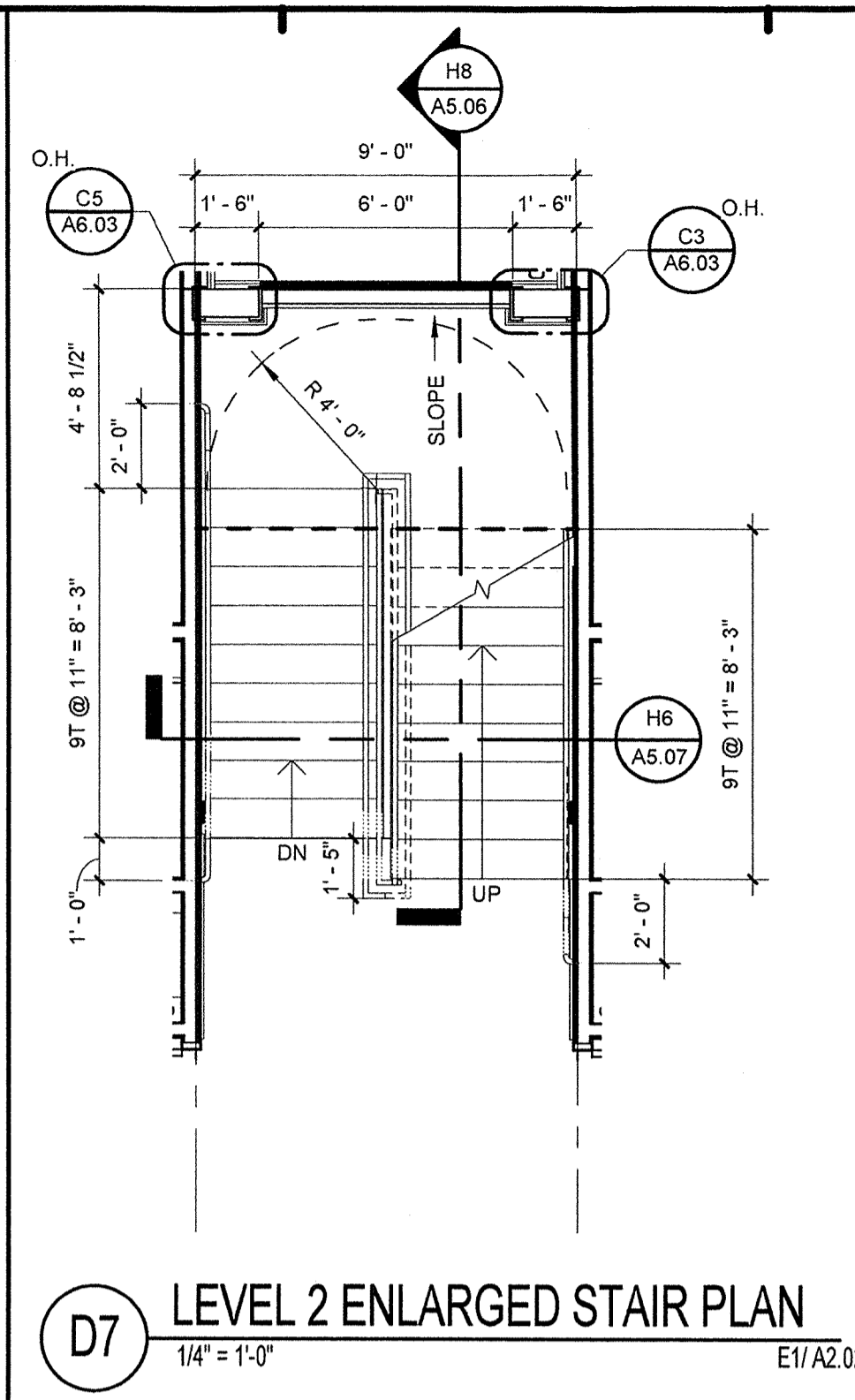
2013.11.14



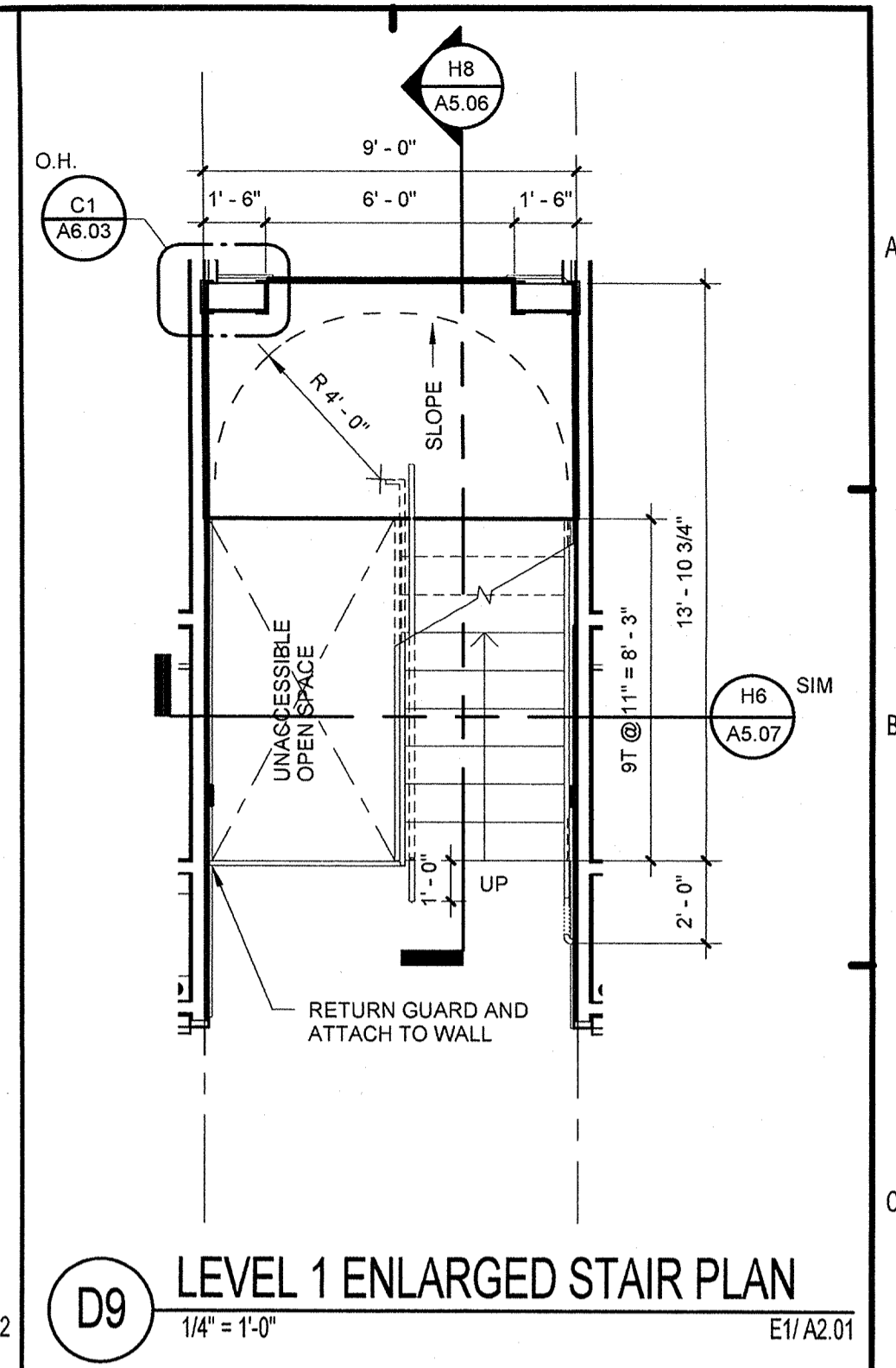
**E1 STAIR AXONOMETRIC**



**D5 LEVEL 3 ENLARGED STAIR PLAN**  
1/4" = 1'-0" E1/A2.03



**D7 LEVEL 2 ENLARGED STAIR PLAN**  
1/4" = 1'-0" E1/A2.02



**D9 LEVEL 1 ENLARGED STAIR PLAN**  
1/4" = 1'-0" E1/A2.01

**PERMIT REVIEW**

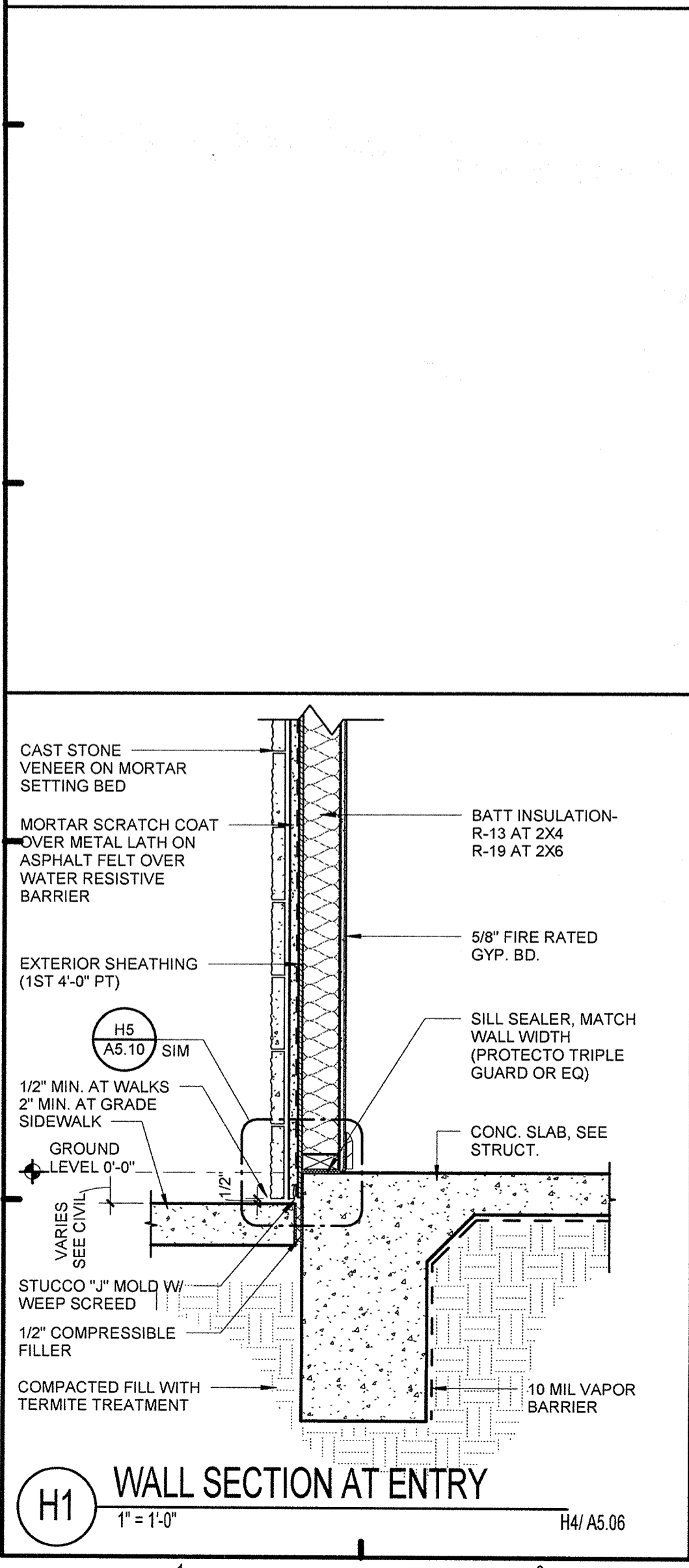
STAIR DIMENSIONS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CRITERIA PER THE FLORIDA FIRE PREVENTION CODE 101, CHAPTER 7, SECTION 7.1 AND 7.2.2.

**ISSUE HISTORY**

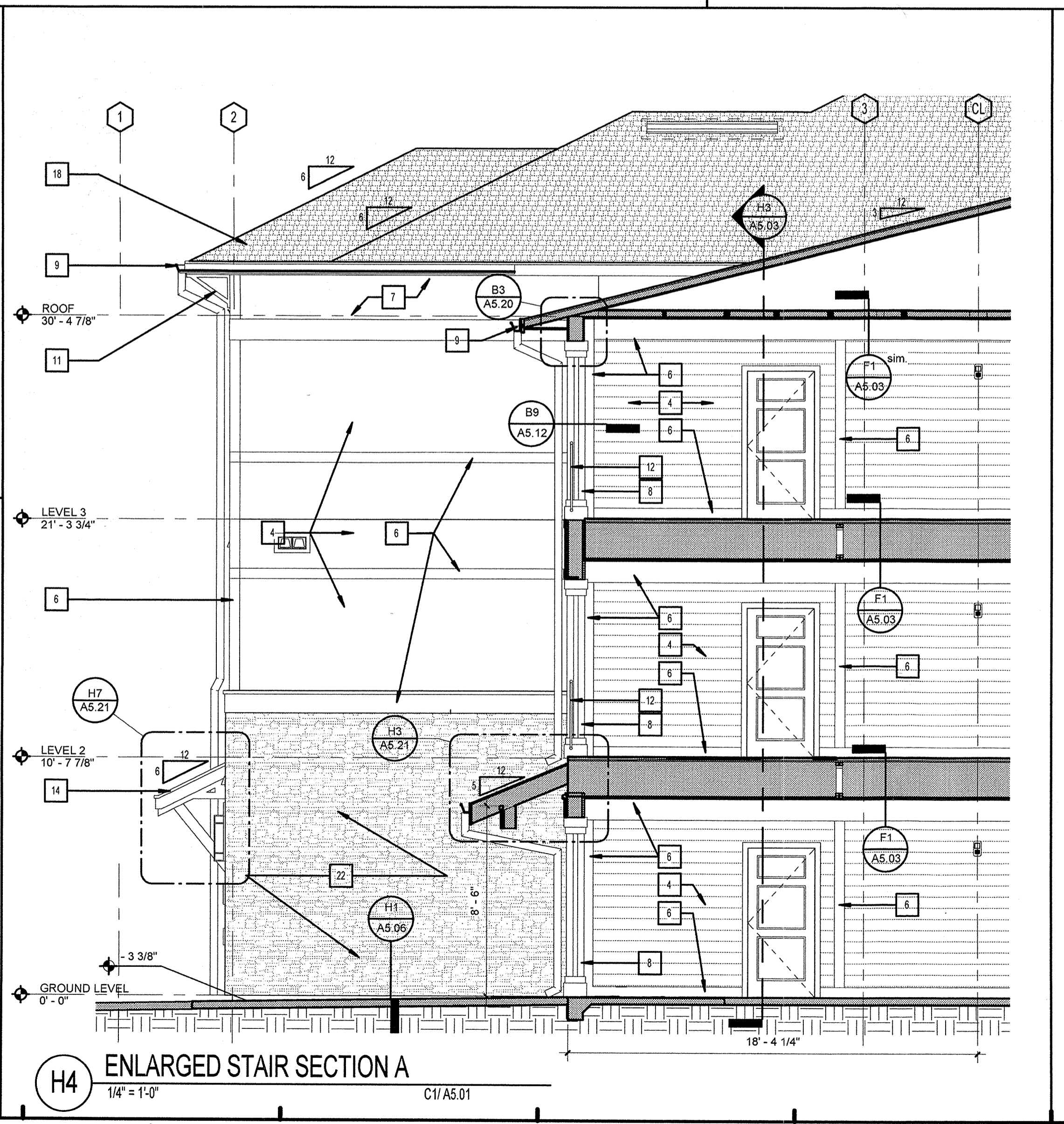
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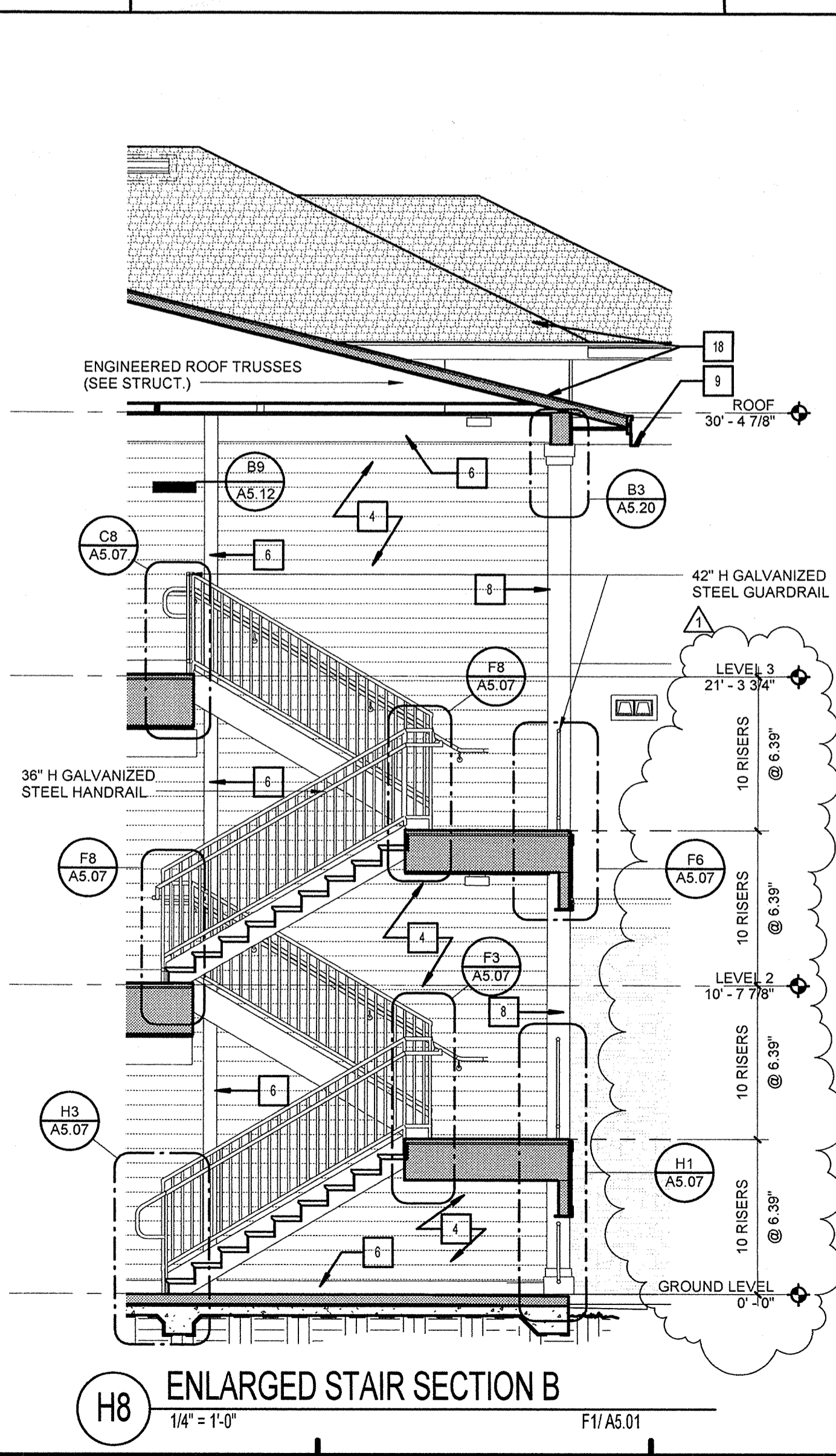
No.	Date	Description
1	12/23/2013	PERMIT COMMENTS #1



**H1 WALL SECTION AT ENTRY**  
1" = 1'-0" H4/A5.06



**H4 ENLARGED STAIR SECTION A**  
1/4" = 1'-0" C1/A5.01



**H8 ENLARGED STAIR SECTION B**  
1/4" = 1'-0" F1/A5.01

**KEY NOTES**

- STUCCO
- STUCCO TRIM - SMOOTH FINISH
- FIBER CEMENT SIDING - 4" EXPOSURE
- FIBER CEMENT SIDING - 6" EXPOSURE
- FIBER CEMENT SIDING - 4" / 8" SKIP EXPOSURE
- FIBER CEMENT TRIM
- FIBER CEMENT PANEL
- FIBER CEMENT PANEL BUILD-OUT COLUMN
- ALUMINUM GUTTER AND DOWNSPOUT
- STUCCO CONTROL JOINT - SEE DETAIL
- MANUFACTURED BRACKET (FYRON 24X18X4S @ UPPER ROOF, FYRON COROG8X12S @ OVERHANG)
- METAL GUARD RAIL - 36" H. FIRST FLOOR RAILINGS
- 42" H. SECOND AND THIRD FLOOR (TYP)
- SIGNAGE LOCATION (SIGN TO MEET REQ'D OF LOCAL JURISDICTION FOR SIZE & TYPE)
- METAL ROOF - (BERRIDGE CEE LOCK OR EQ)
- LAUNDRY / BATHROOM EXHAUST VENTS
- CONDENSING UNIT - SEE MECHANICAL
- FLASHING
- FIBERGLASS REINFORCED ARCHITECTURAL SHINGLES
- FIBER CEMENT BATTENS
- FIBER CEMENT FASCIA BOARD
- BUILDING FIRE SIGN. SIGN TO BE LOCATED ON FRONT OF BUILDING ONLY - SEE SITE PLAN FOR BUILDING ORIENTATION.
- CAST STONE VENEER
- STONE TRIM
- STRUCTURAL BRACKET
- GARAGE DOOR. SEE DOOR SCHEDULE
- FIBER CEMENT BOXED-OUT DECORATIVE ELEMENT.
- RIDGE VENT
- LIGHT FIXTURE (SEE ELECTRICAL)
- KEYED LOCK BOX FOR THE LOCAL FIRE DEPARTMENT. LOCATE PER AHJ'S RECOMMENDATION

NOTE: 1ST 4'-0" OF GROUND FLOOR BUILDING SHEATHING TO BE PRESSURE TREATED AROUND PERIMETER OF ENTIRE BUILDING

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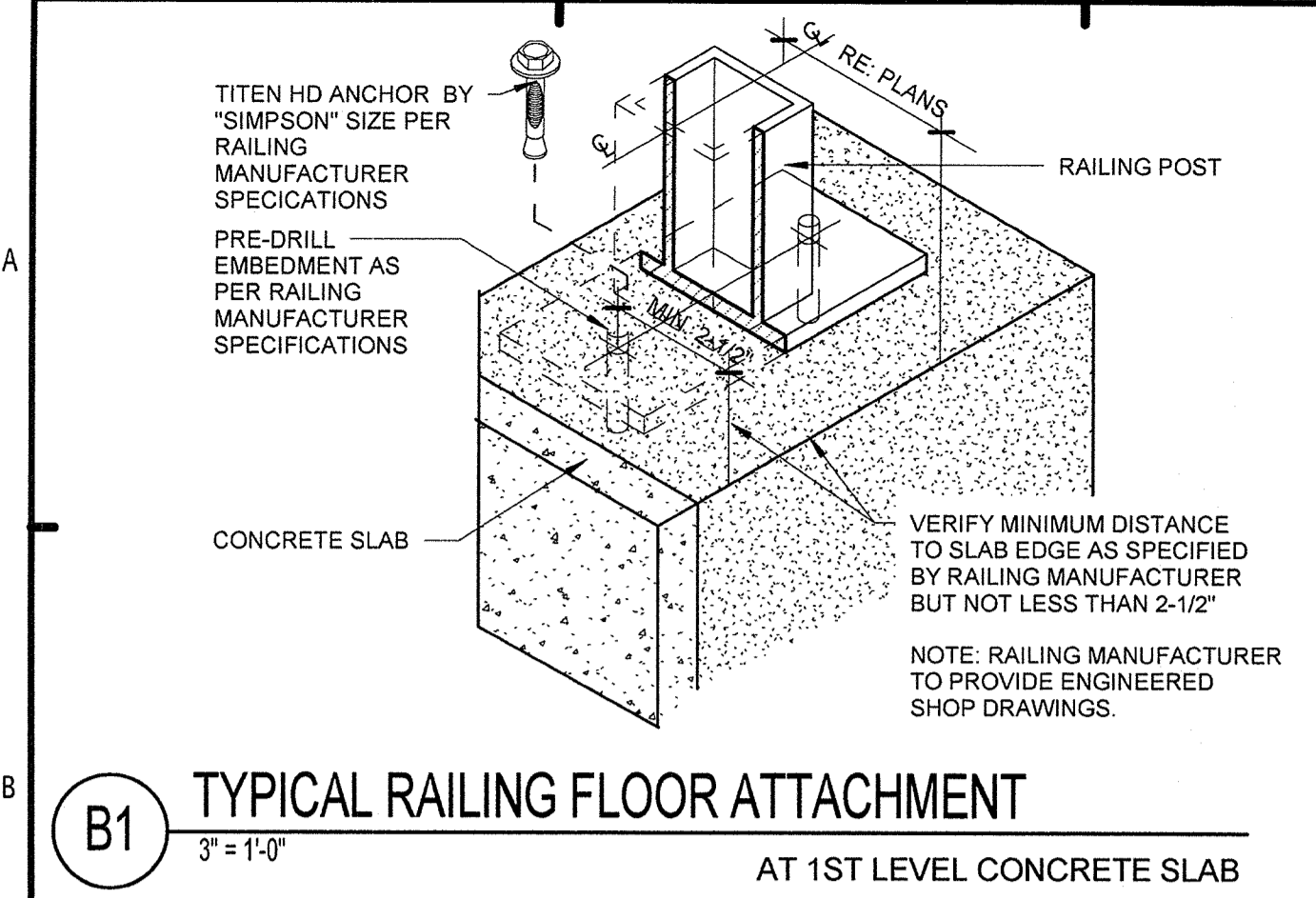
**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
Lake County, FL

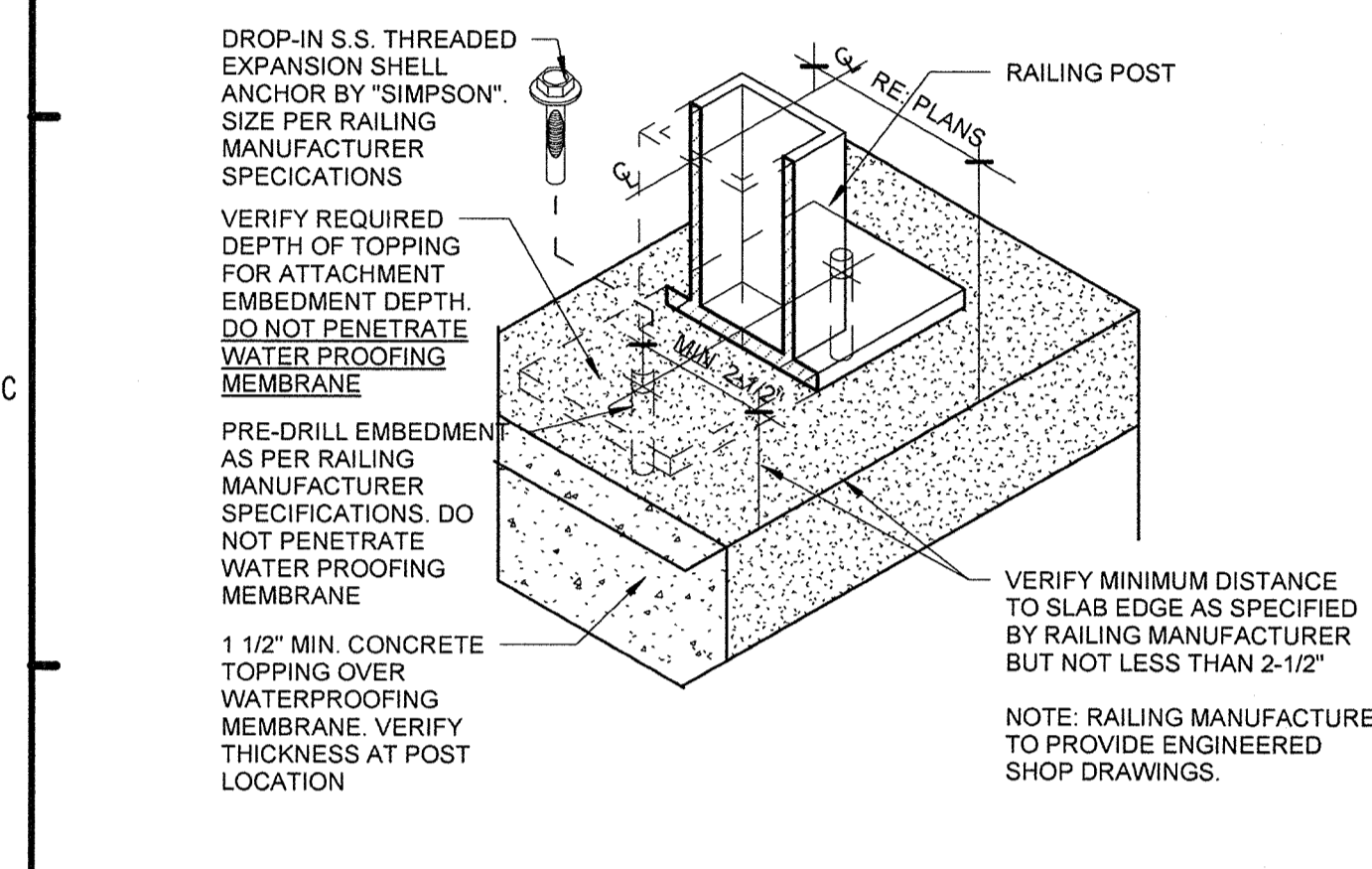
**ENLARGED STAIR PLANS AND SECTIONS** A5.06

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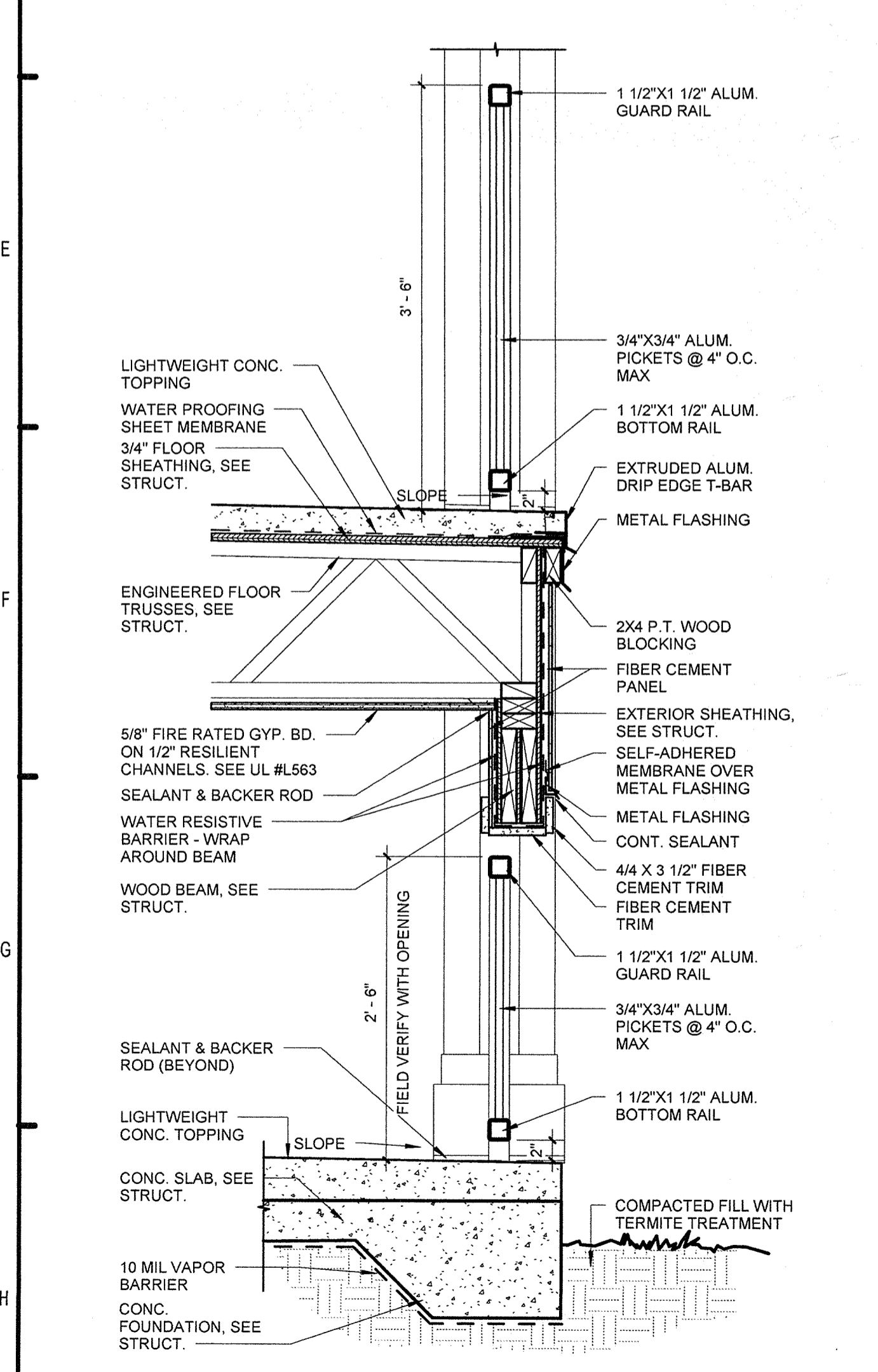
KEN LINSHAW  
FLORIDA LICENSE # AB0017385



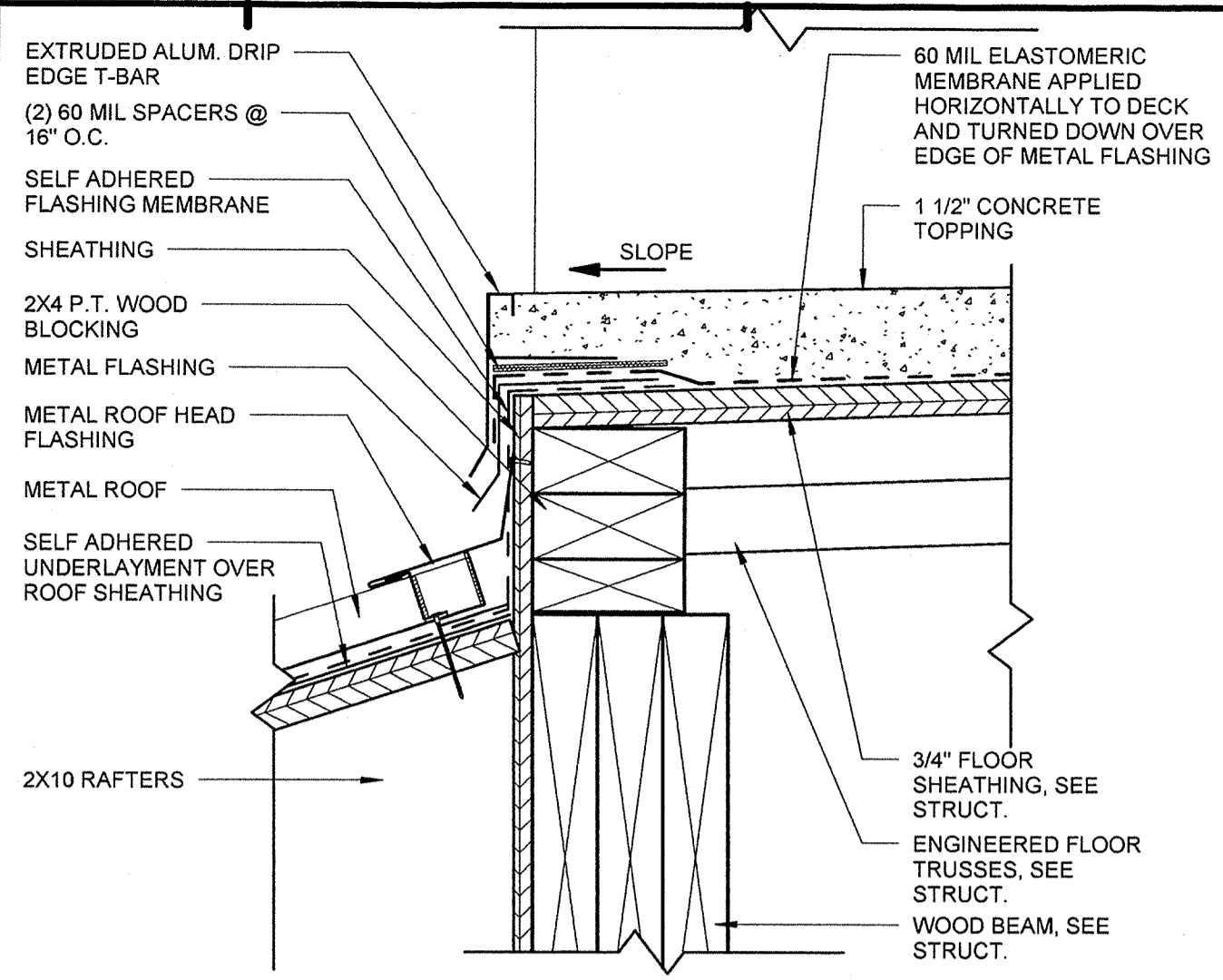
**B1** TYPICAL RAILING FLOOR ATTACHMENT  
3" = 1'-0"  
AT 1ST LEVEL CONCRETE SLAB



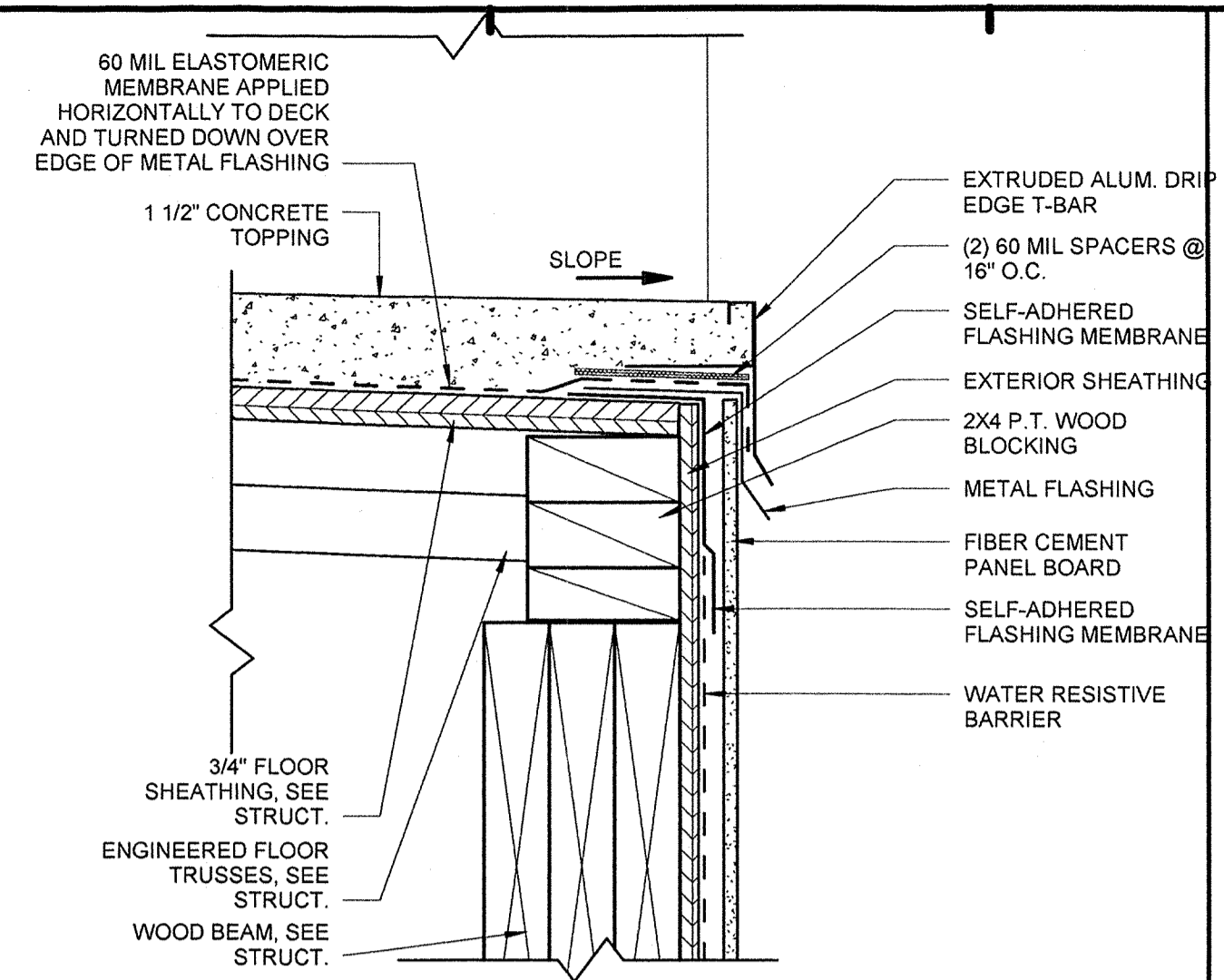
**D1** TYPICAL RAILING FLOOR ATTACHMENT  
3" = 1'-0"  
AT RAISED FRAME



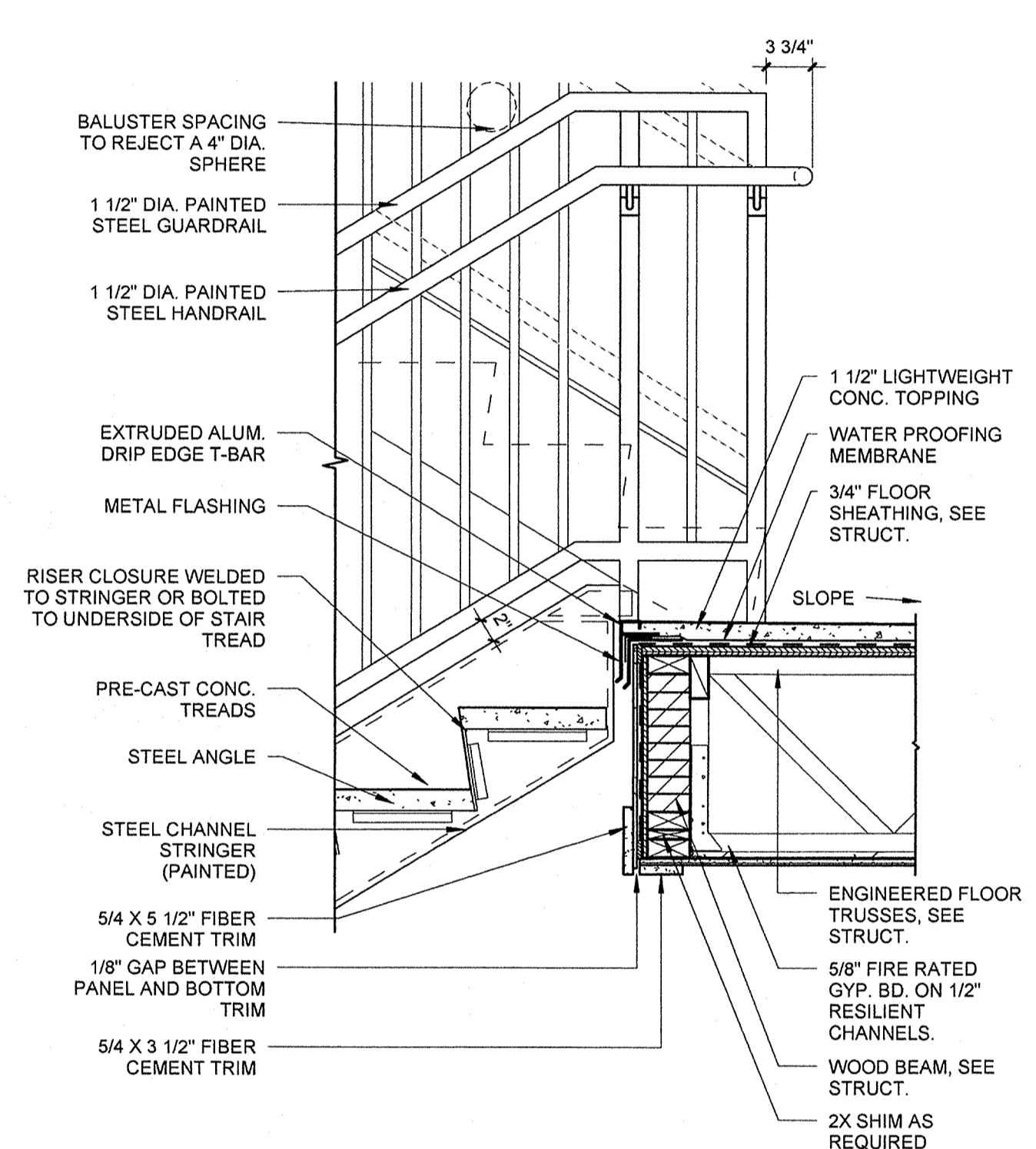
**H1** STAIR LOW WALL AT LANDING  
1" = 1'-0"  
H1/A4.04



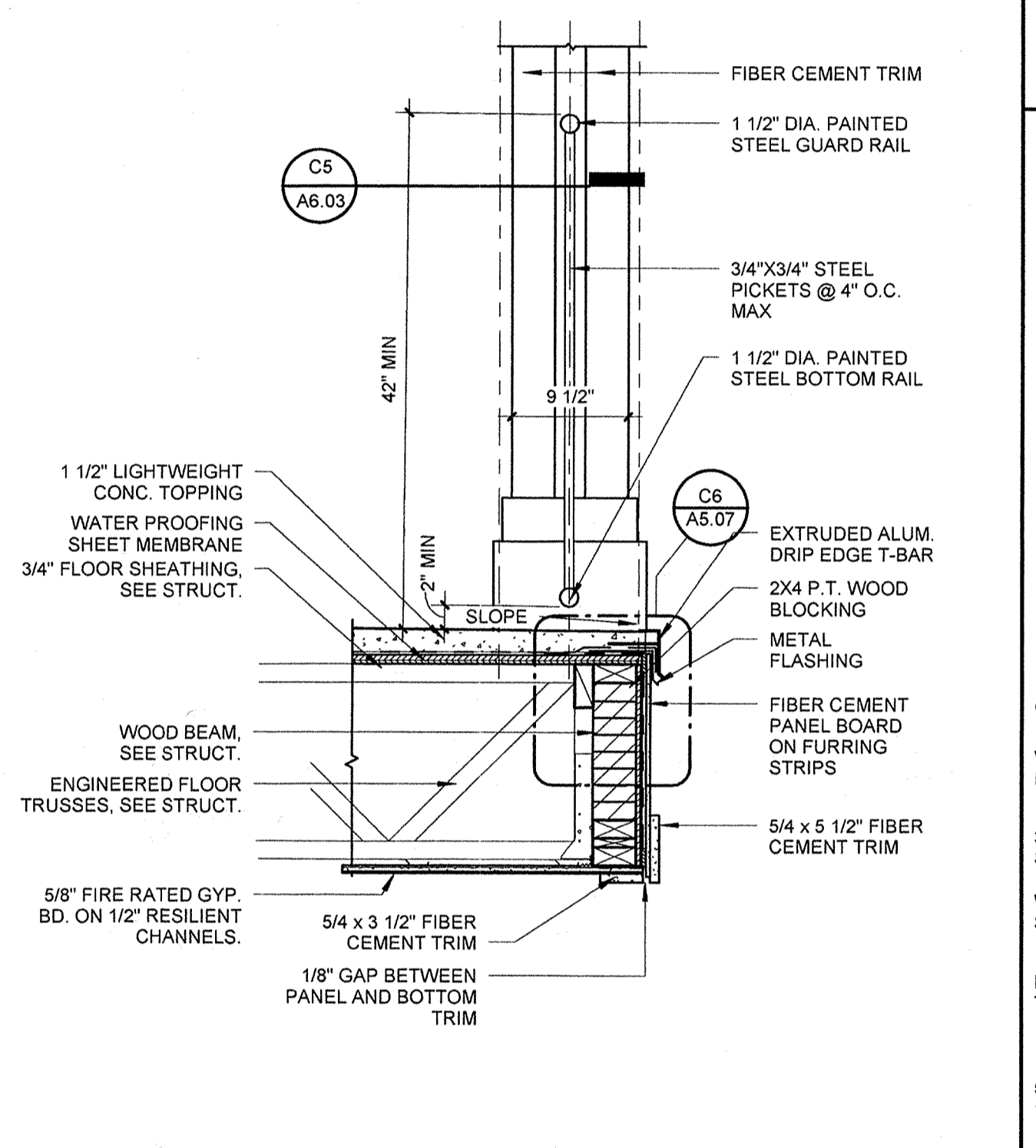
**C4** ENLARGED LANDING FLASHING DETAIL  
3" = 1'-0"  
H3/A5.21



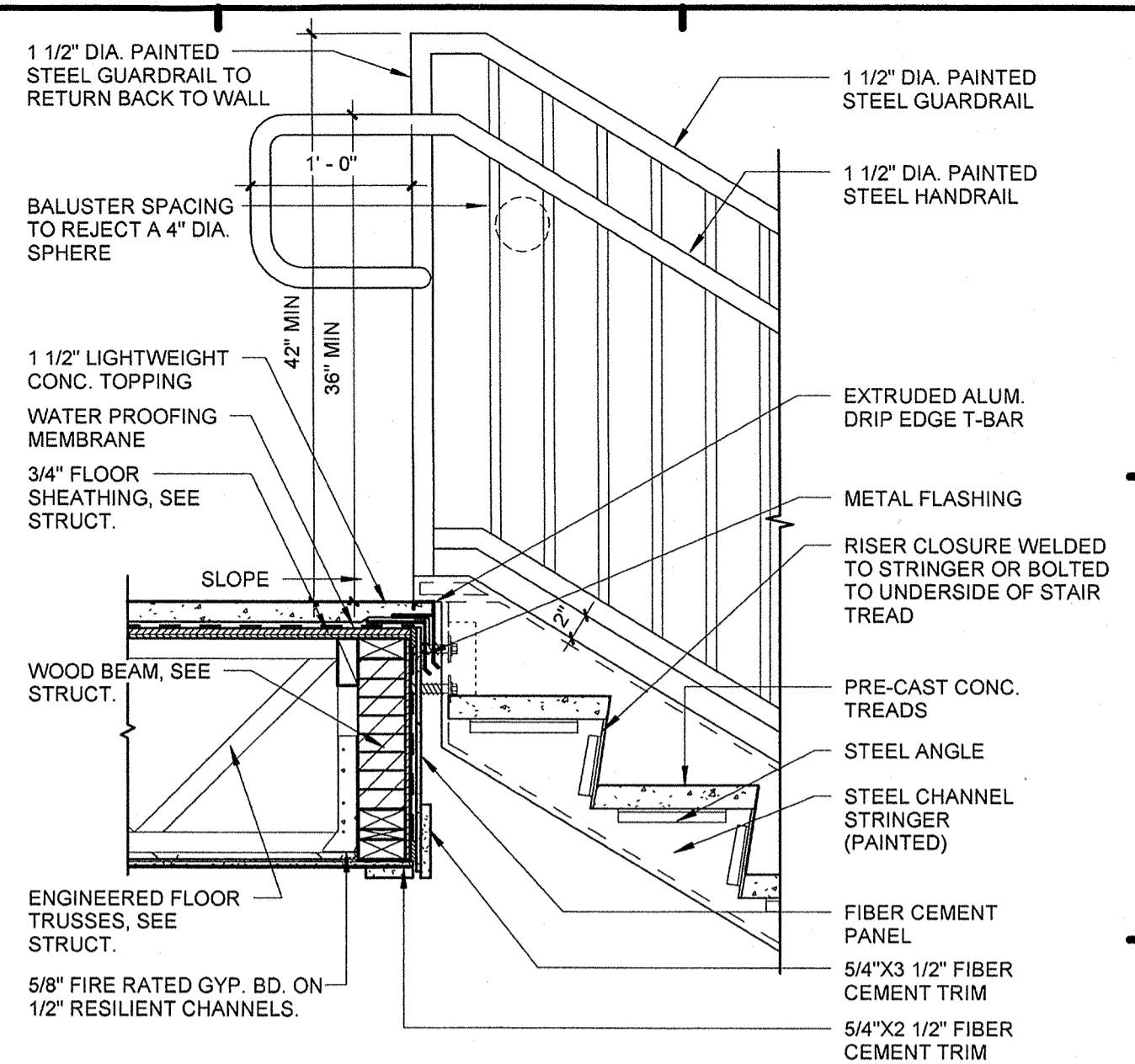
**C6** ENLARGED LANDING FLASHING DETAIL  
3" = 1'-0"  
F6/A5.07



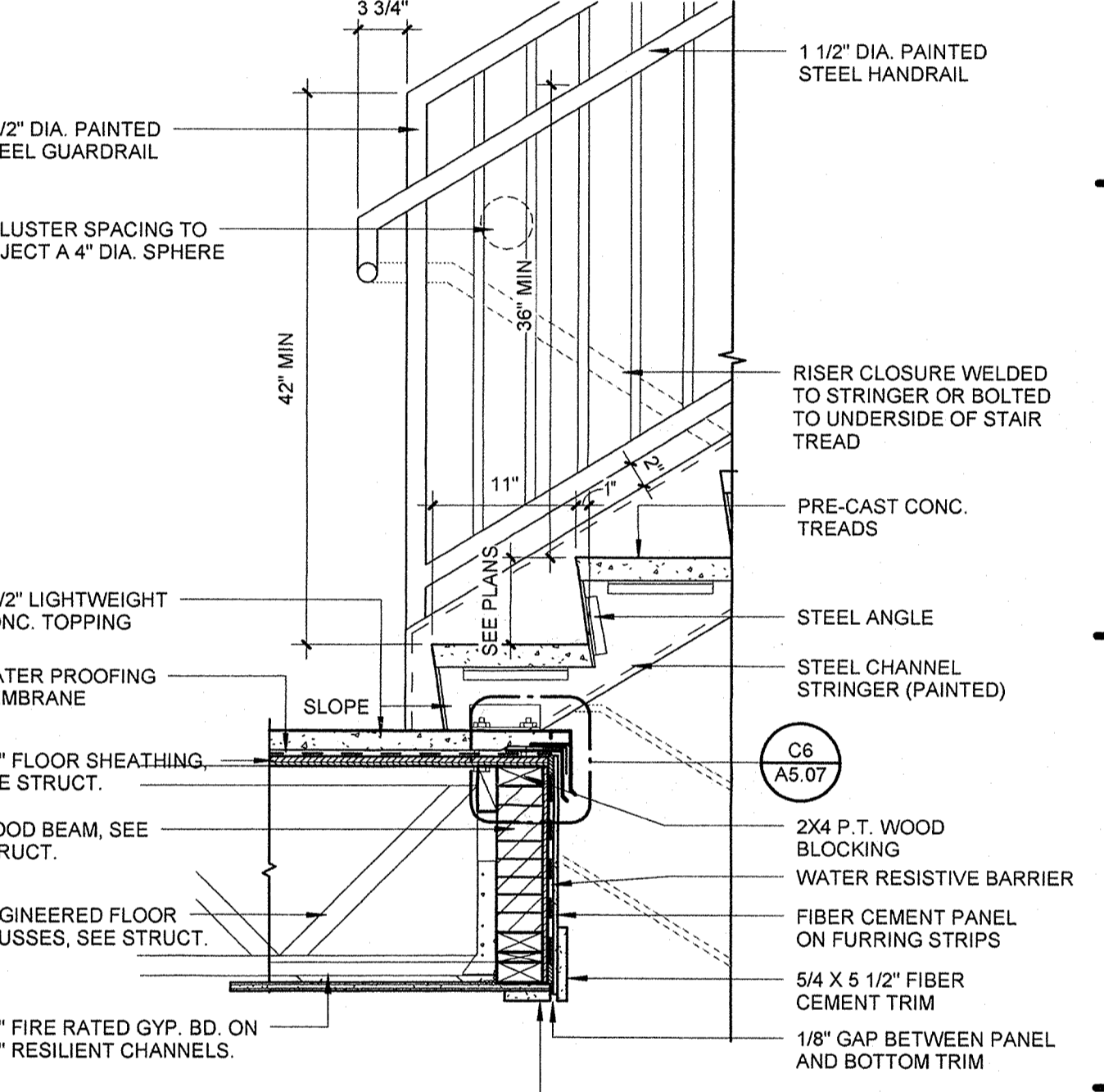
**F3** STAIR DETAIL AT INTERM./SECOND LANDING  
1" = 1'-0"  
H8/A5.06



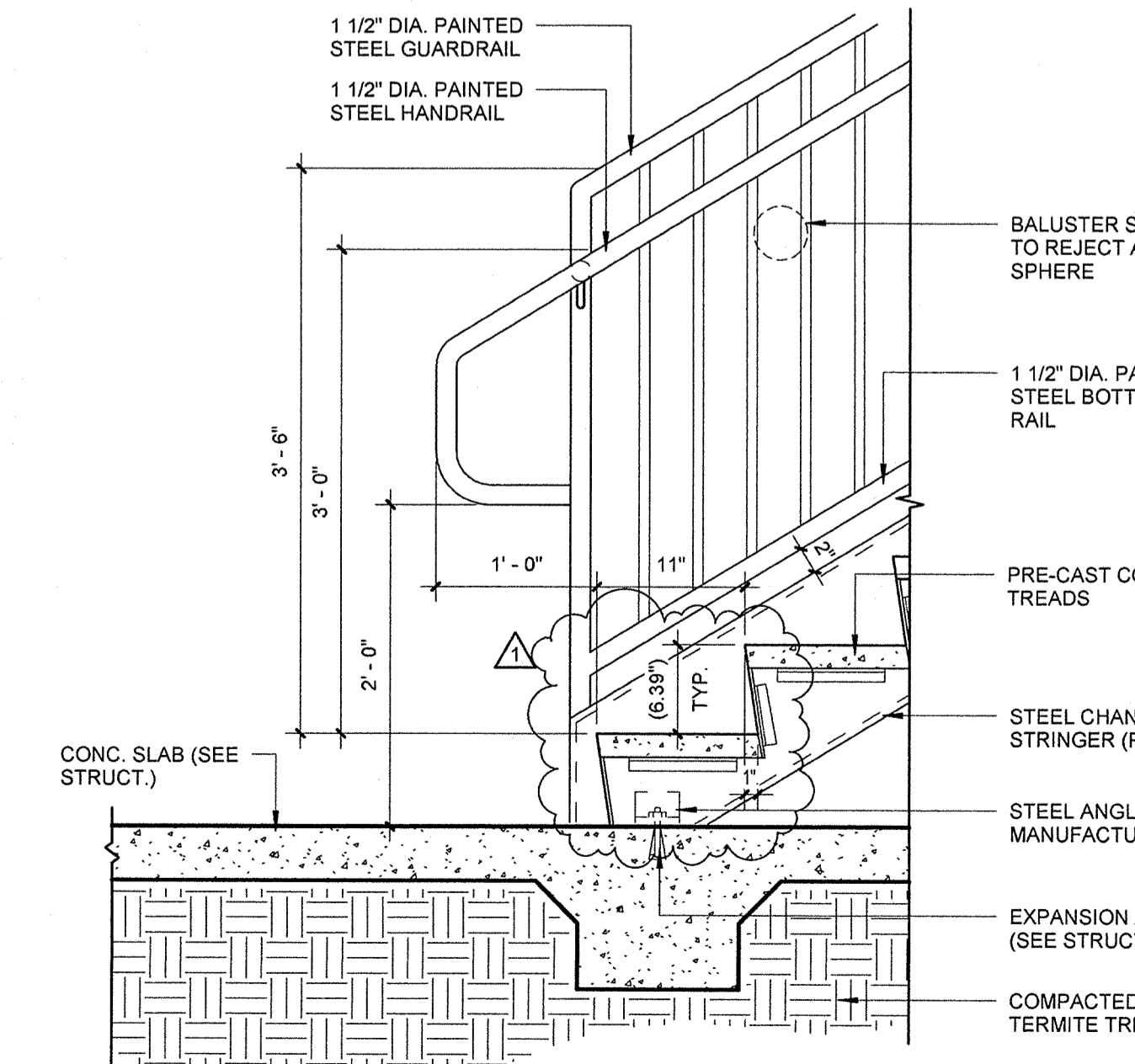
**F6** STAIR DETAIL AT INTRMEDIATE LANDING - EXT.  
1" = 1'-0"  
H8/A5.06



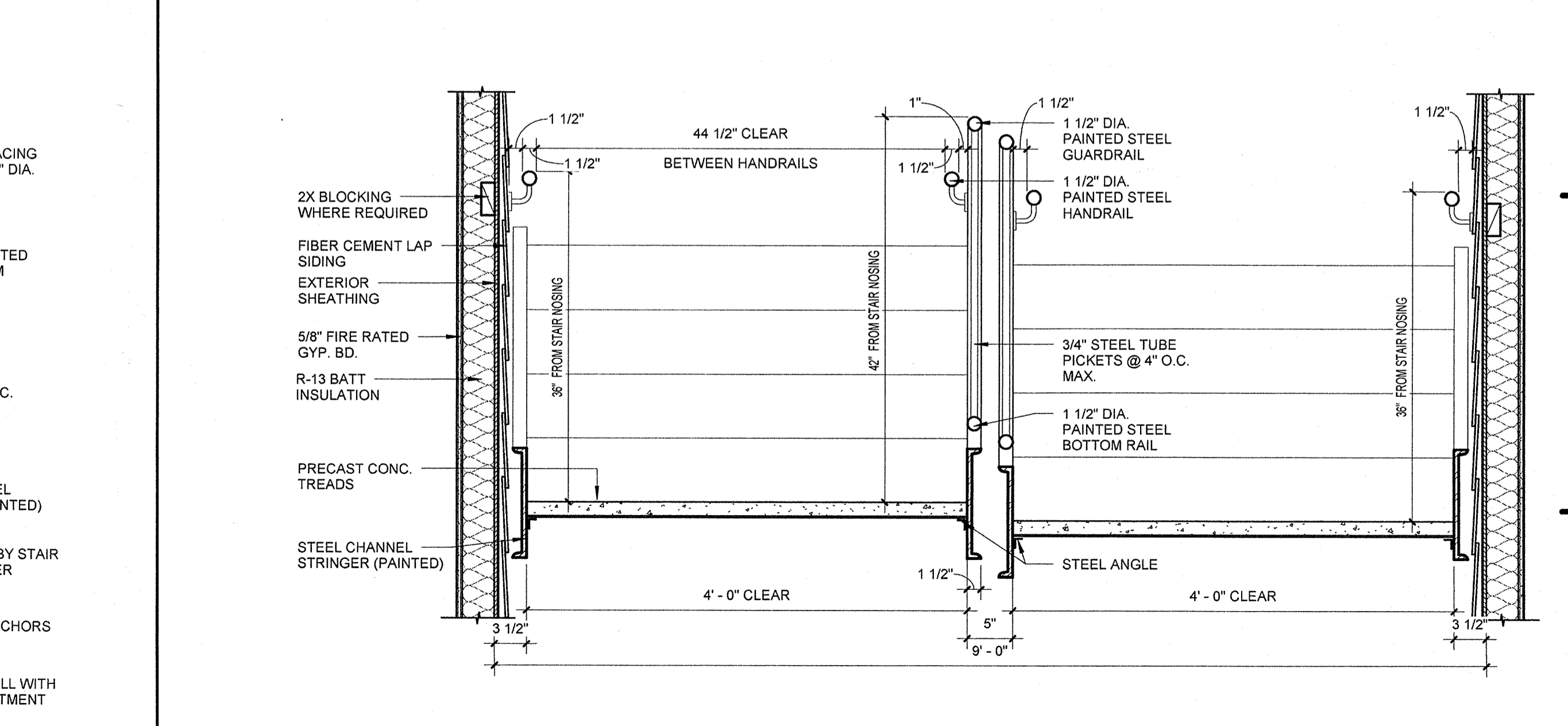
**C8** STAIR DETAIL AT TOP LANDING  
1" = 1'-0"  
H8/A5.06



**F8** STAIR DETAIL AT SECOND LANDING  
1" = 1'-0"  
H8/A5.06



**H3** STAIR DETAIL AT 1ST LEVEL  
1" = 1'-0"  
H8/A5.06



**H6** STAIR CROSS SECTION  
1" = 1'-0"  
D5/A5.06

**PERMIT REVIEW**

STAIR DIMENSIONS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CRITERIA PER THE FLORIDA FIRE PREVENTION CODE 101, CHAPTER 7, SECTION 7.1 AND 7.2.2.

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
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**REVISION HISTORY**

No.	Date	Description
1	12/23/2013	PERMIT COMMENTS #1

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**LAKE COUNTY BUILDING DIVISION**

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**SUMMER BAY APARTMENTS**  
Lake County, FL

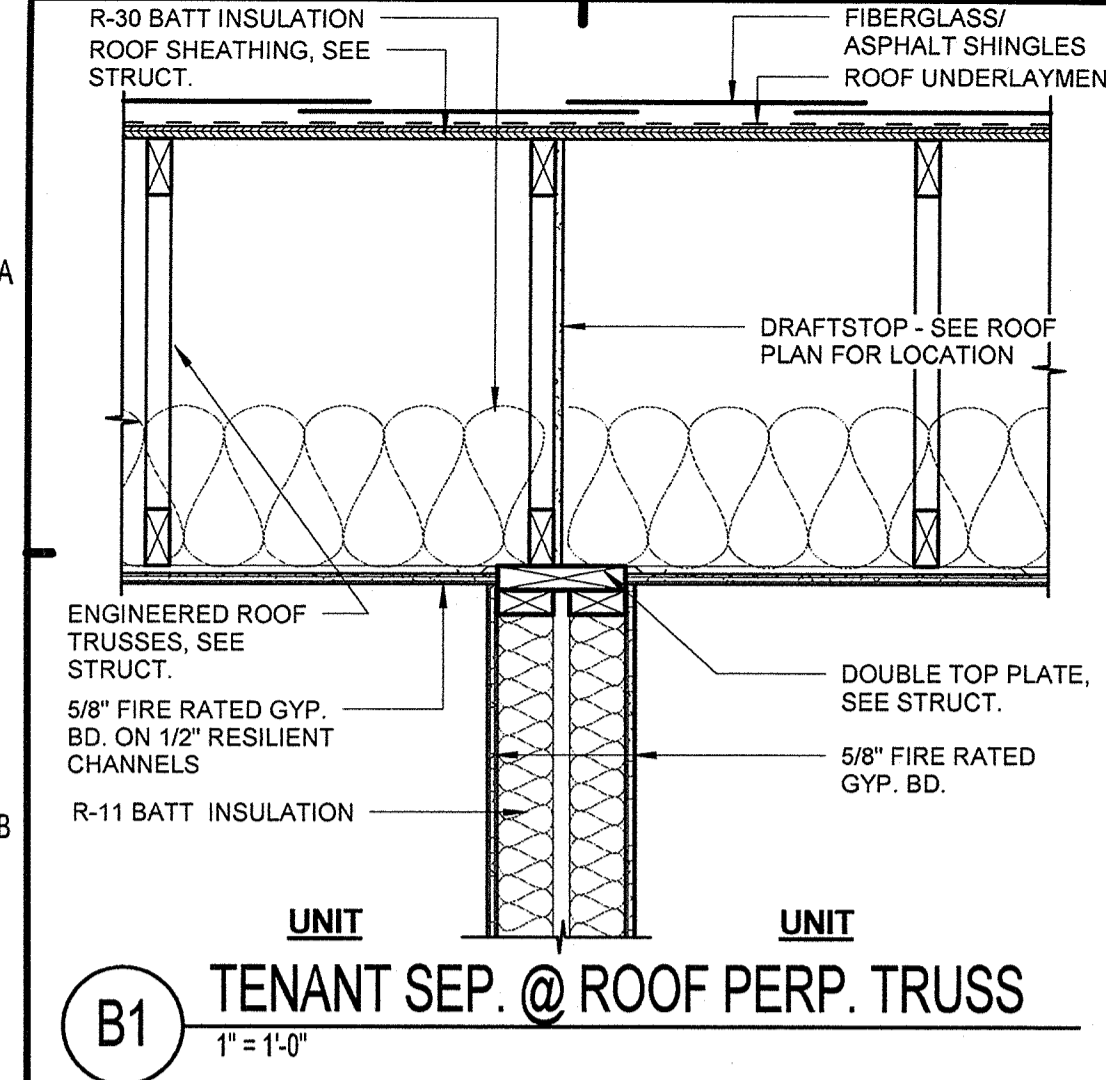
**STAIR DETAILS**

**A5.07**

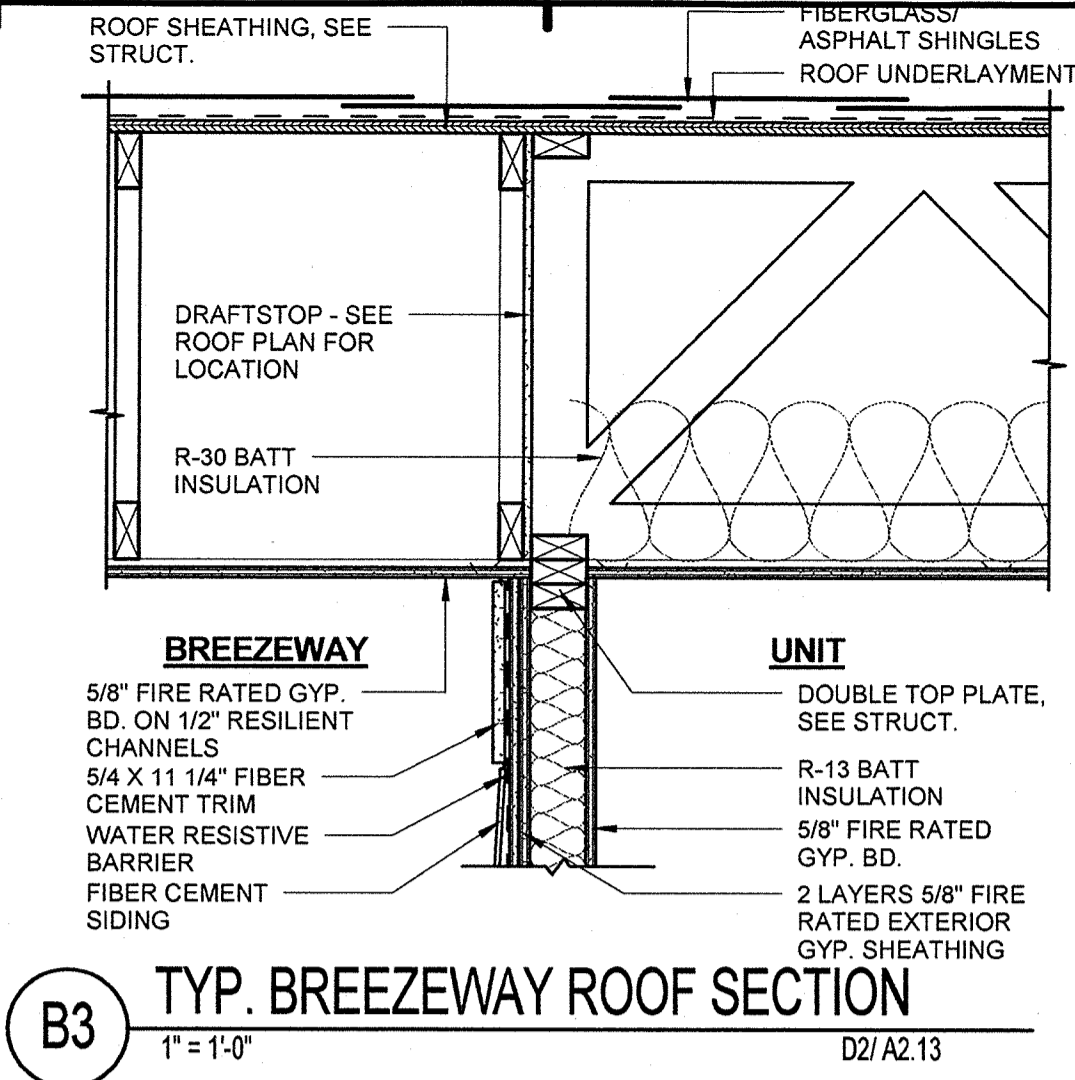
KEN LINEMAN  
FLORIDA LICENSE #AR0017385

*[Signature]*

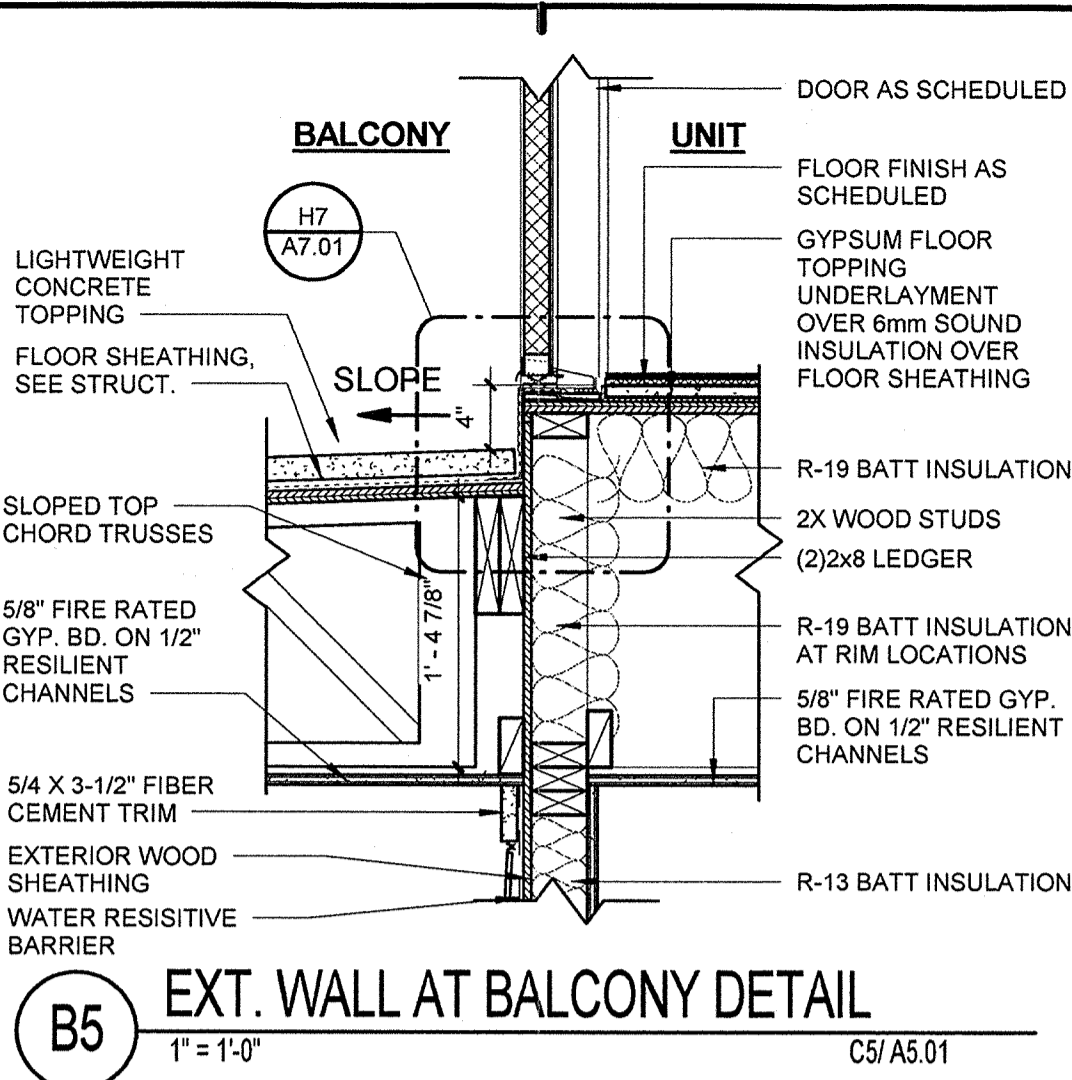
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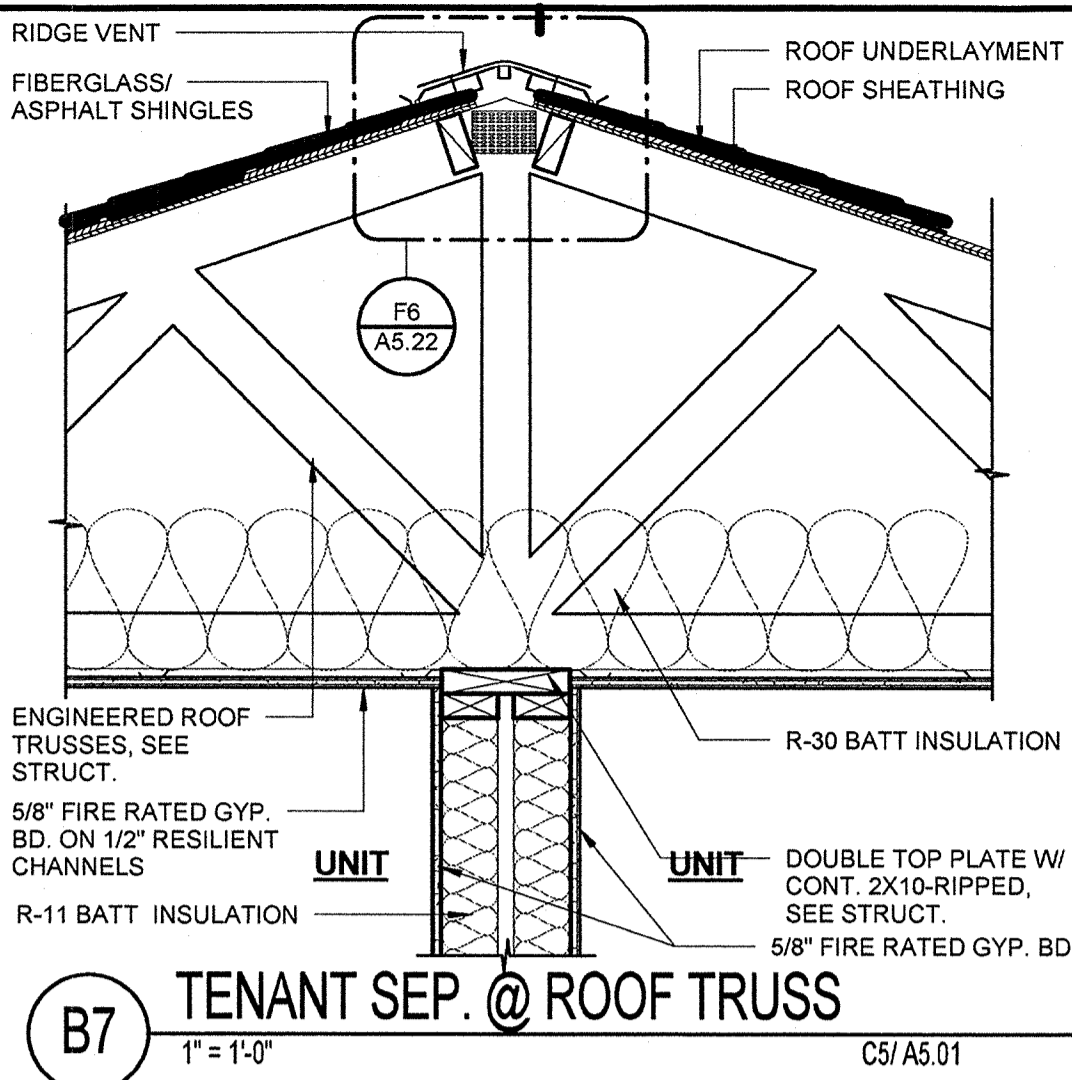
**B1** TENANT SEP. @ ROOF PERP. TRUSS  
1" = 1'-0"



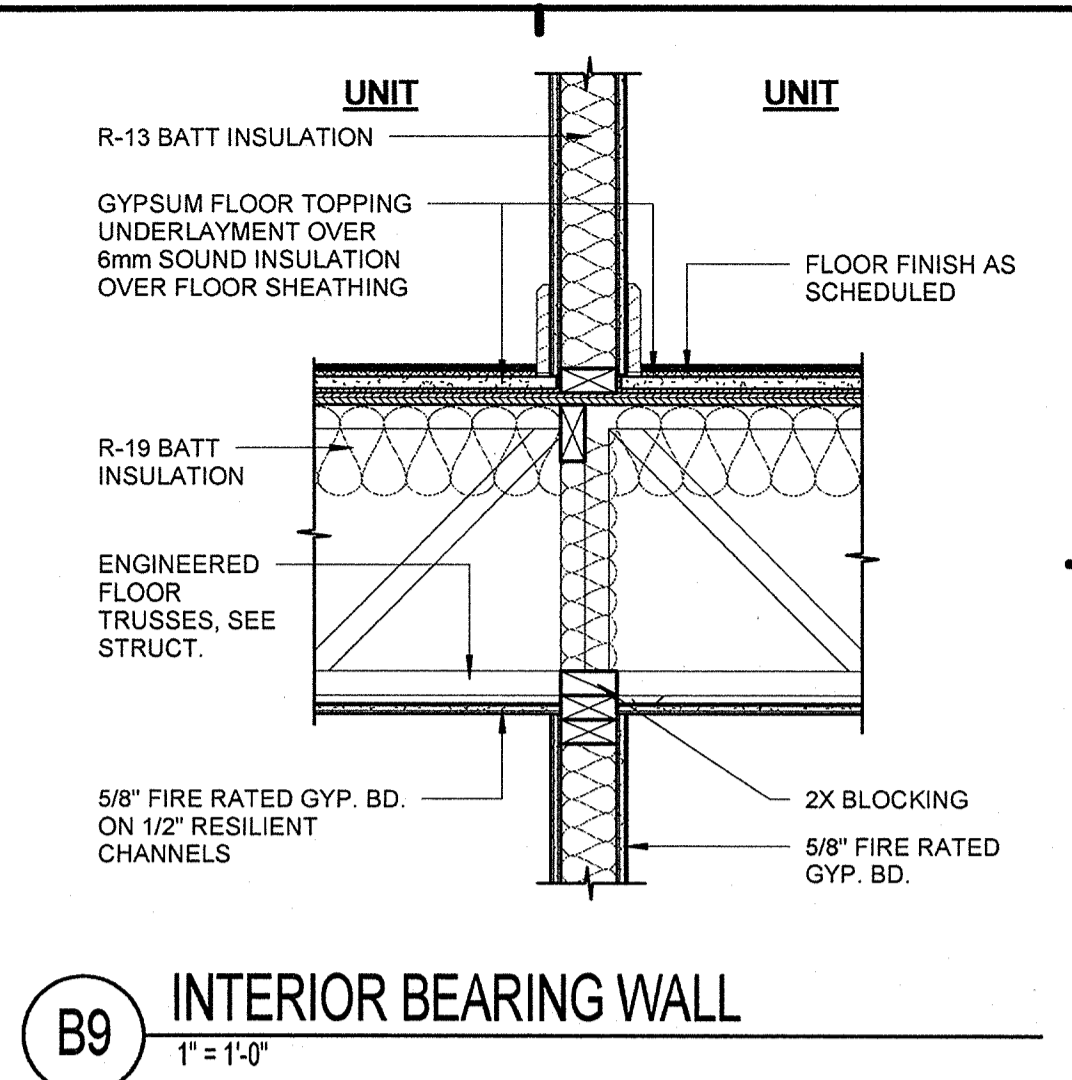
**B3** TYP. BREEZEWAY ROOF SECTION  
1" = 1'-0" D2/A2.13



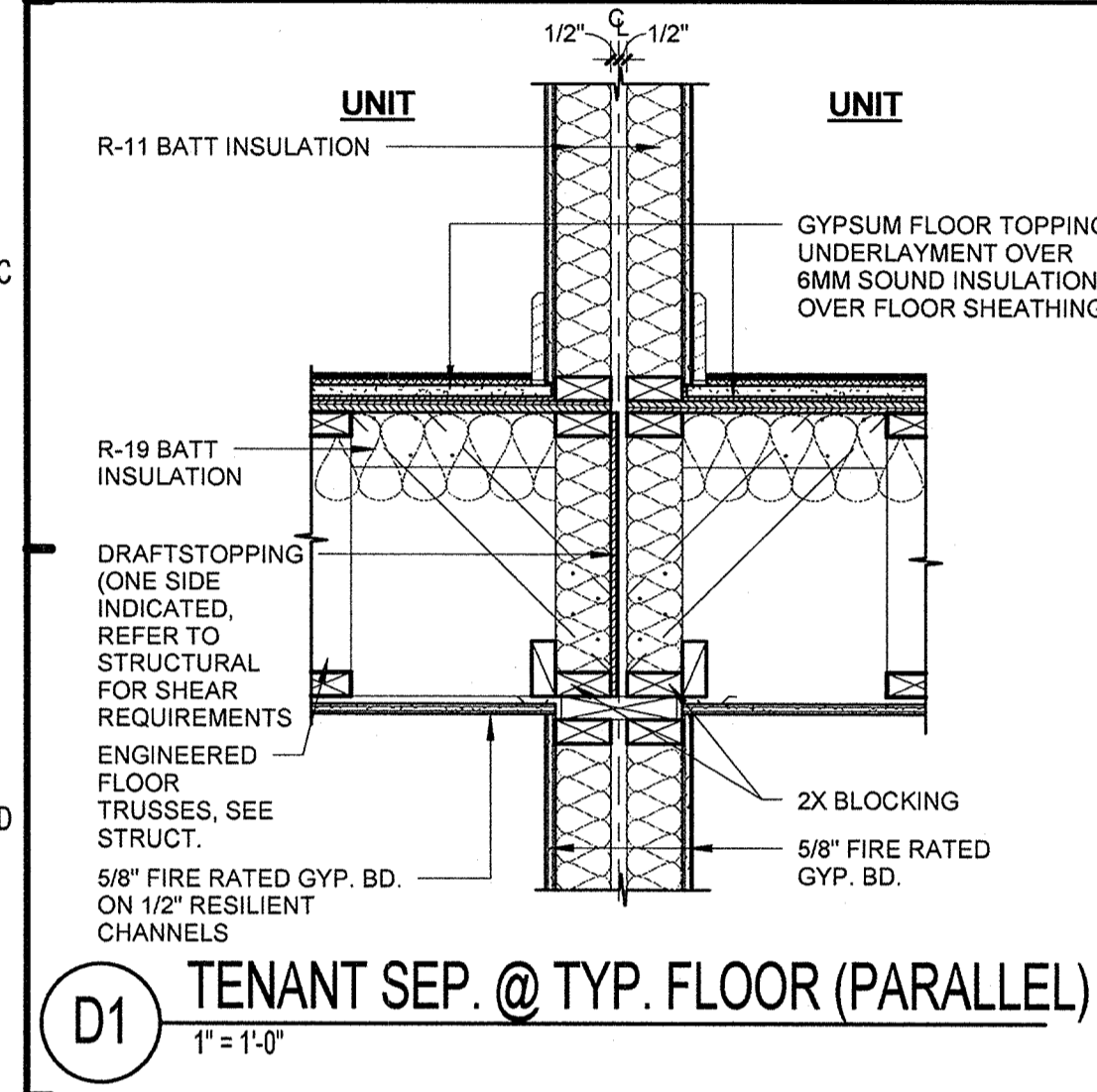
**B5** EXT. WALL AT BALCONY DETAIL  
1" = 1'-0" C5/A5.01



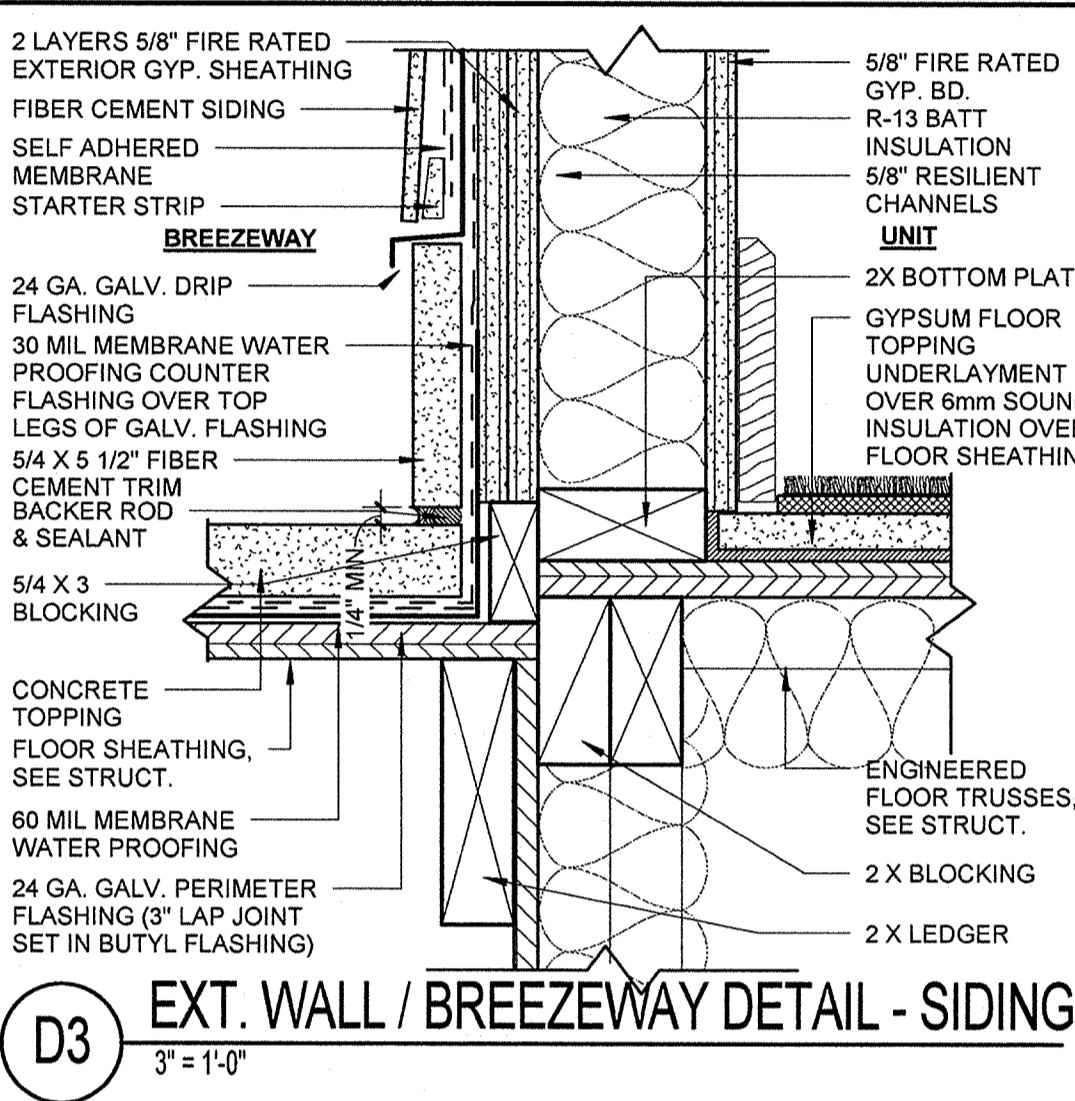
**B7** TENANT SEP. @ ROOF TRUSS  
1" = 1'-0" C5/A5.01



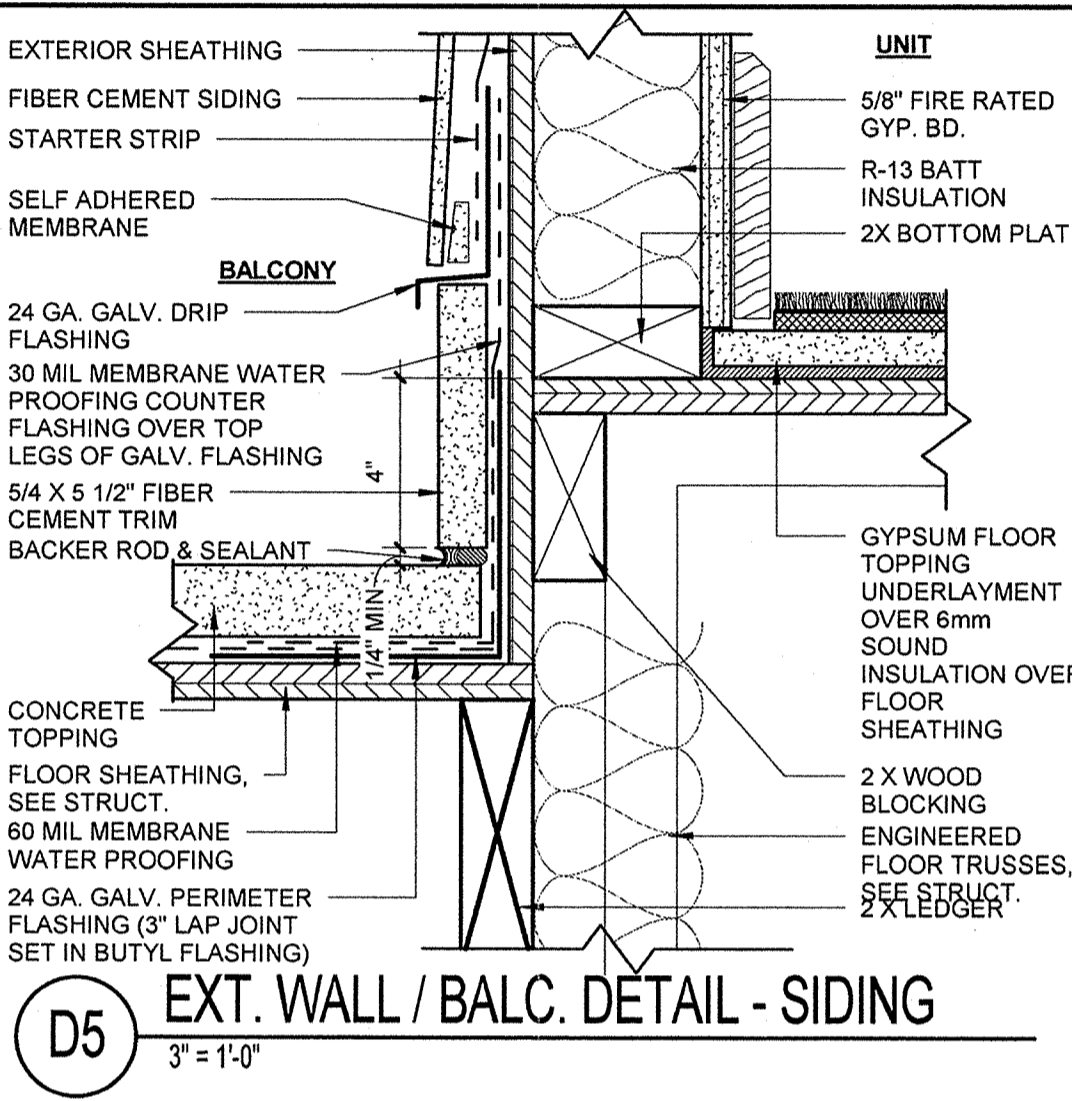
**B9** INTERIOR BEARING WALL  
1" = 1'-0"



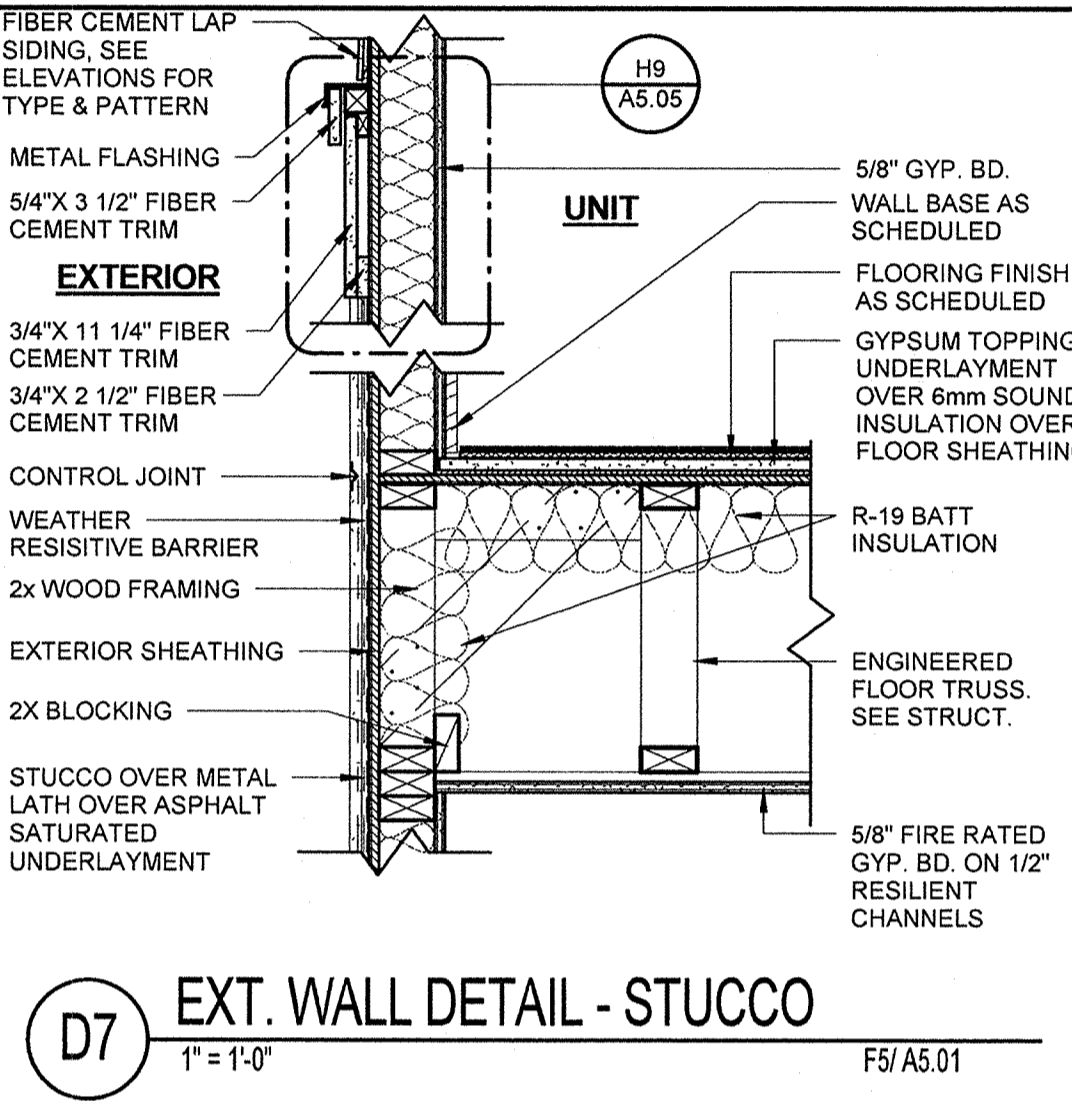
**D1** TENANT SEP. @ TYP. FLOOR (PARALLEL)  
1" = 1'-0"



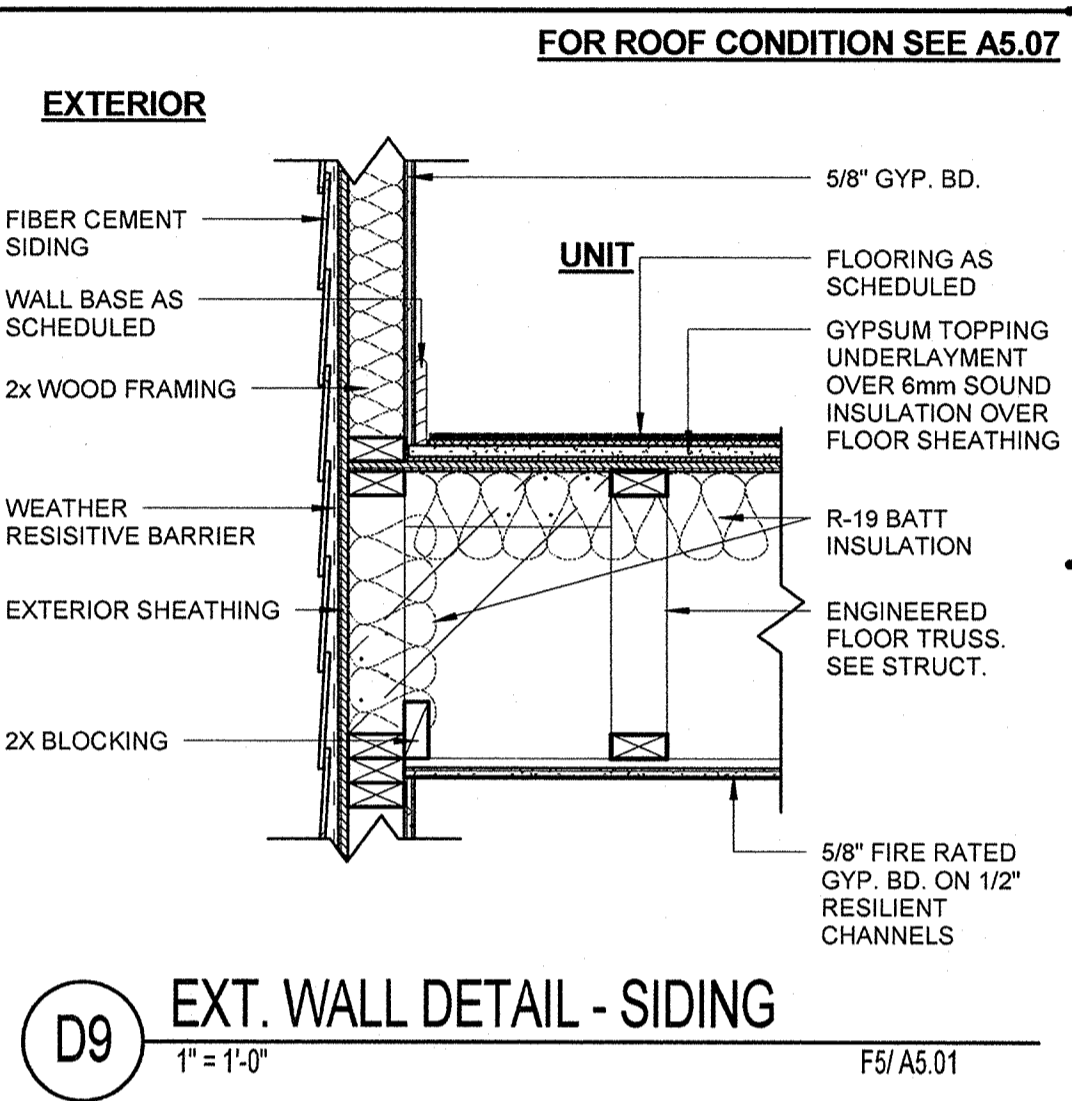
**D3** EXT. WALL / BREEZEWAY DETAIL - SIDING  
3\"/>



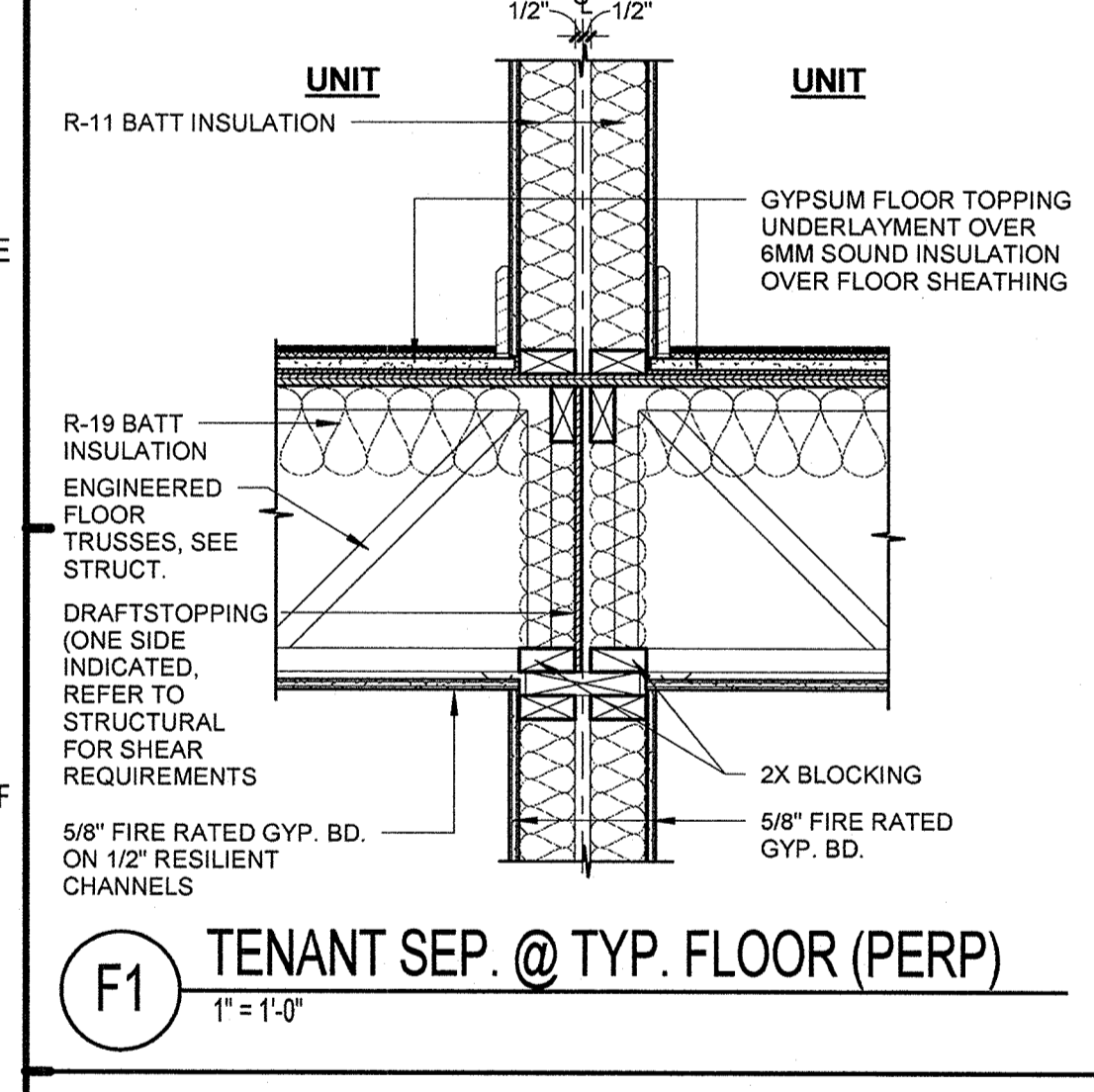
**D5** EXT. WALL / BALC. DETAIL - SIDING  
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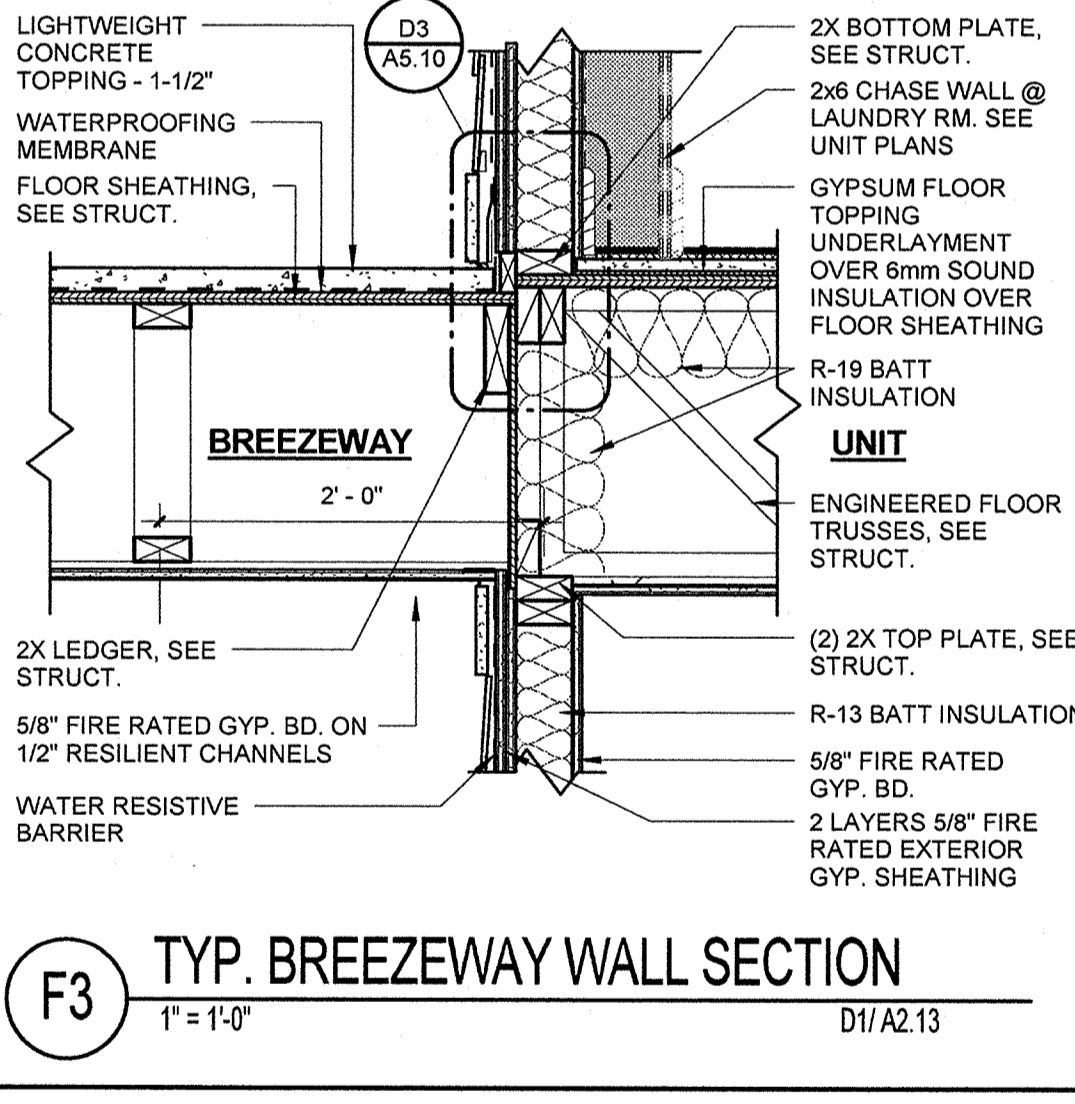
**D7** EXT. WALL DETAIL - STUCCO  
1" = 1'-0" F5/A5.01



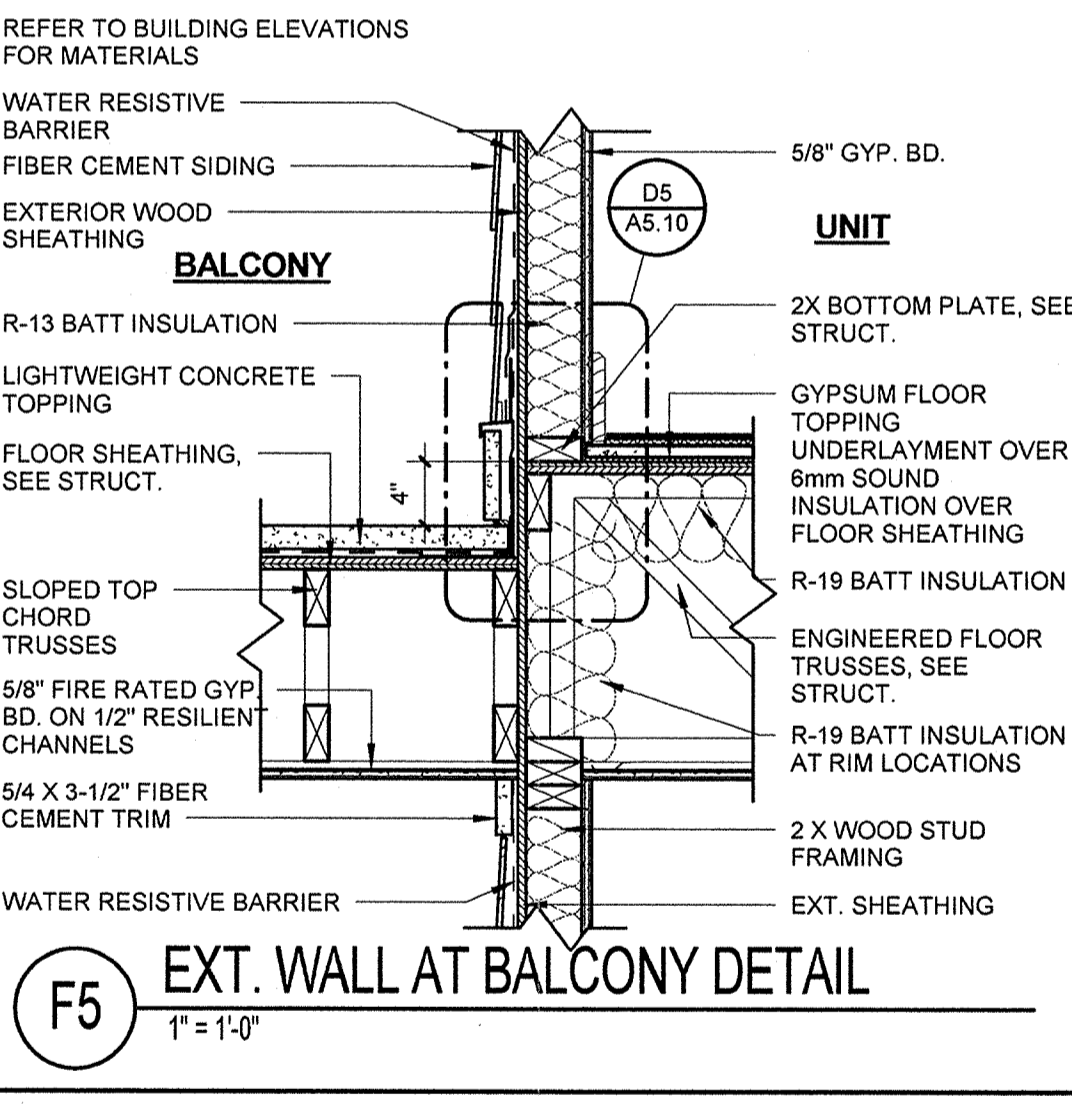
**D9** EXT. WALL DETAIL - SIDING  
1" = 1'-0" F5/A5.01



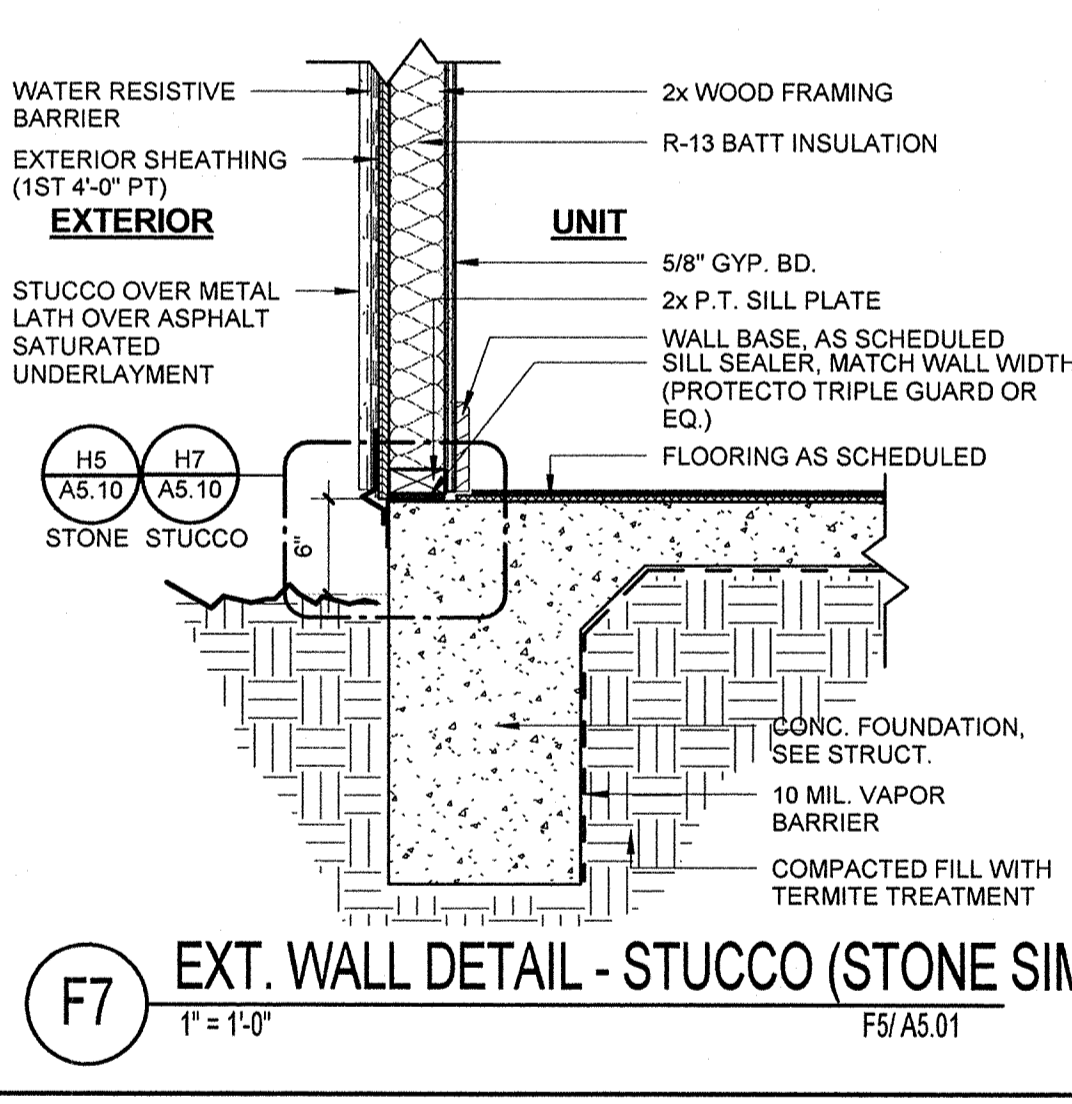
**F1** TENANT SEP. @ TYP. FLOOR (PERP)  
1" = 1'-0"



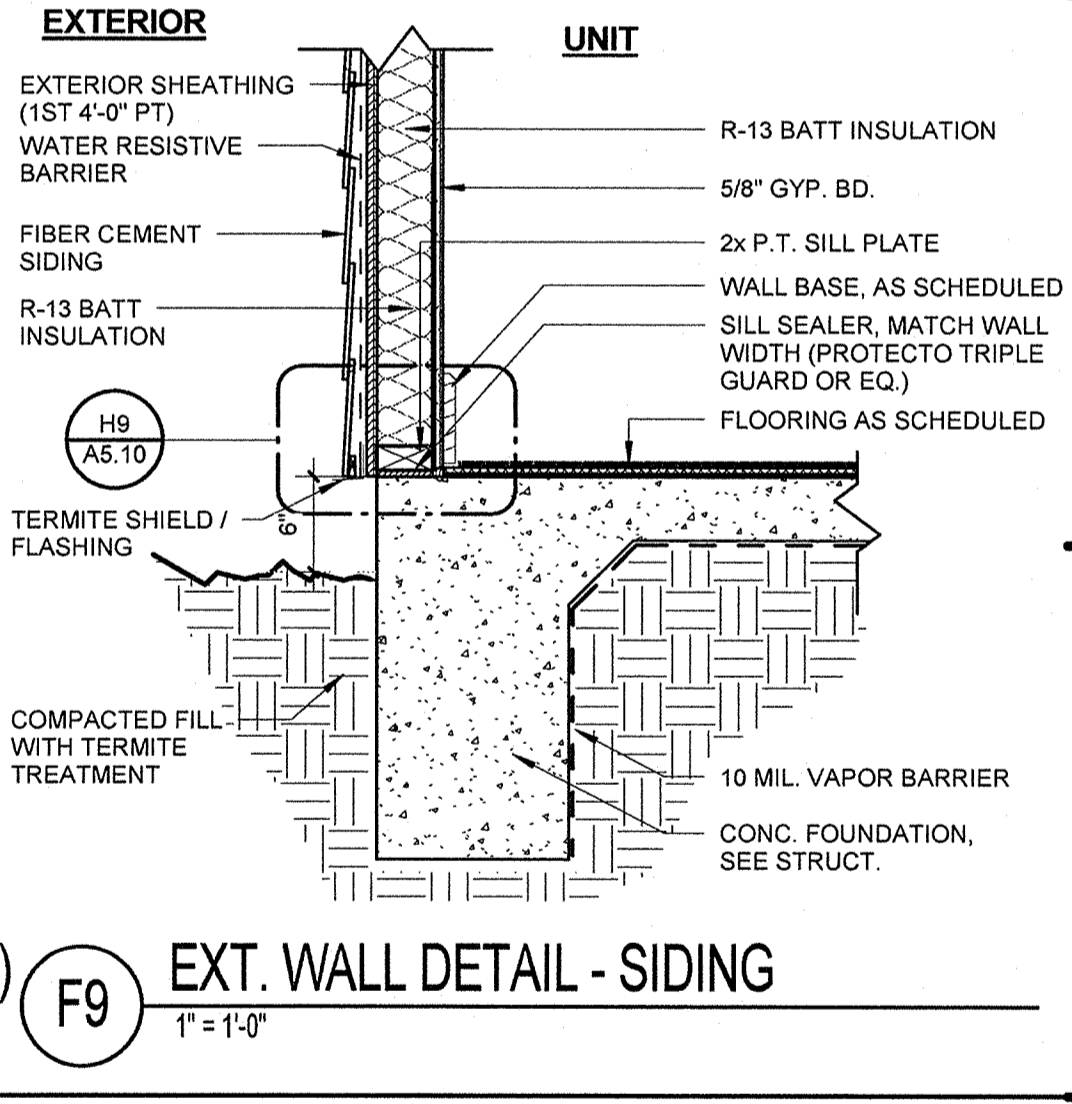
**F3** TYP. BREEZEWAY WALL SECTION  
1" = 1'-0" D1/A2.13



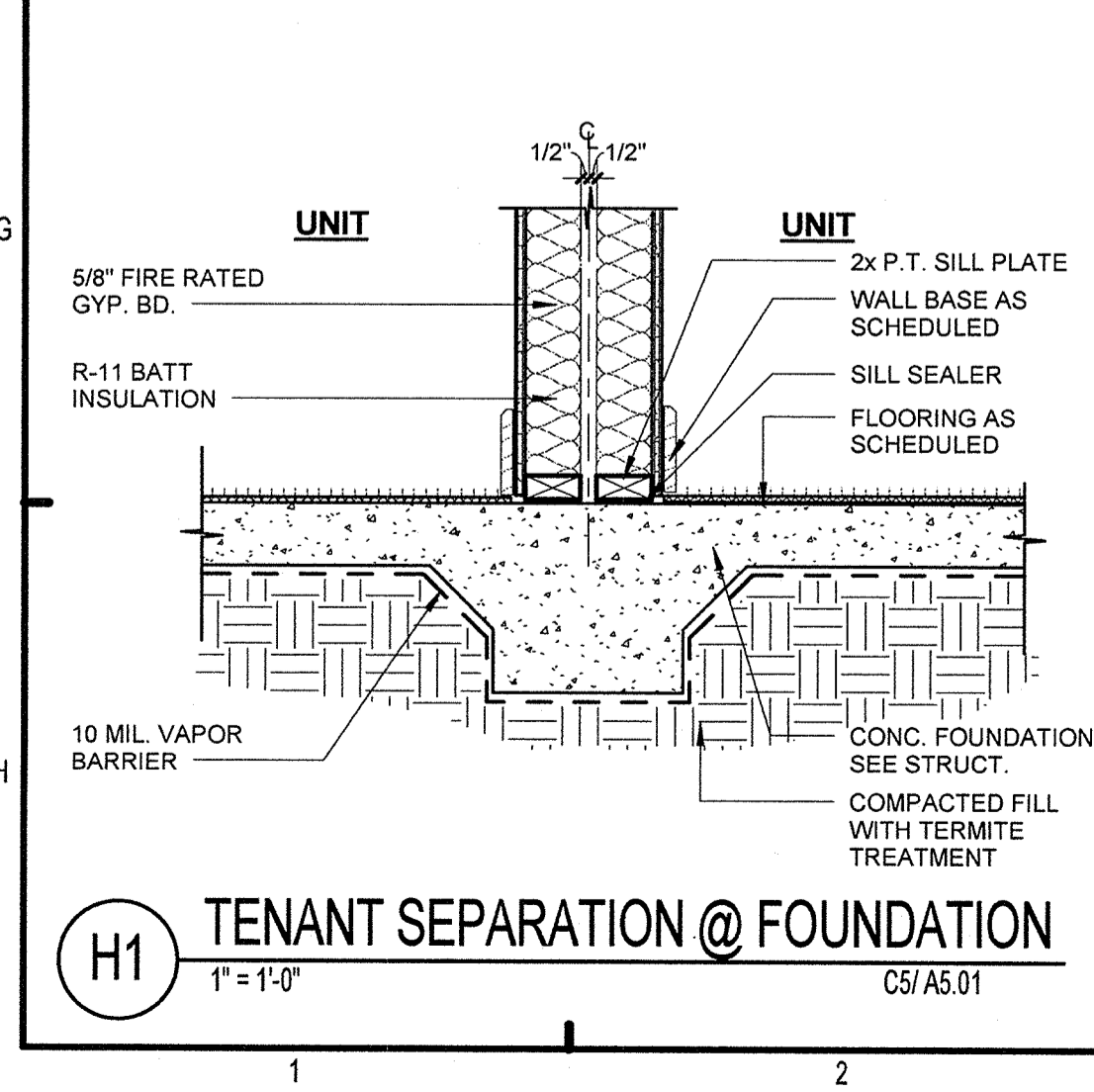
**F5** EXT. WALL AT BALCONY DETAIL  
1" = 1'-0"



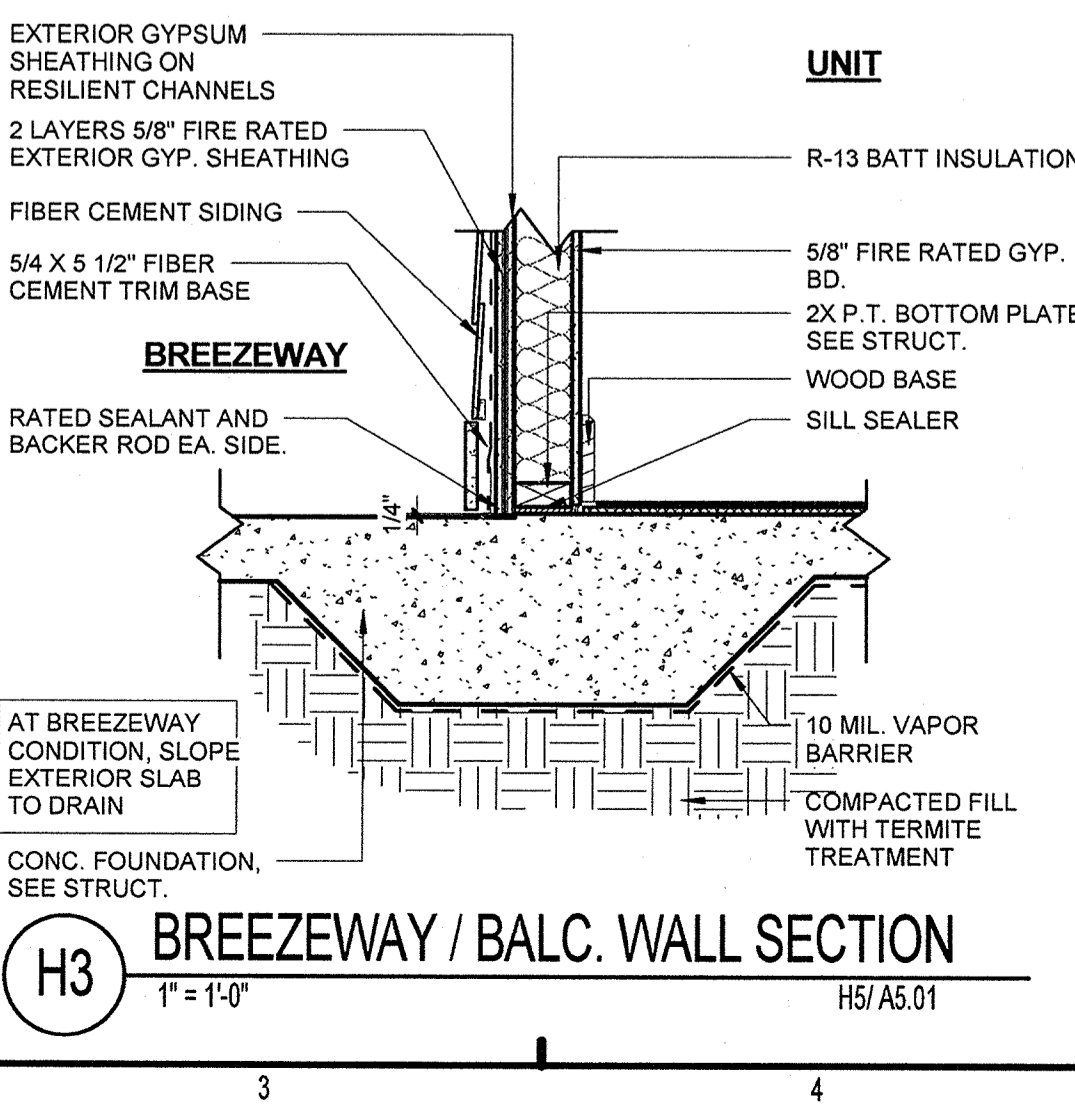
**F7** EXT. WALL DETAIL - STUCCO (STONE SIM)  
1" = 1'-0" F5/A5.01



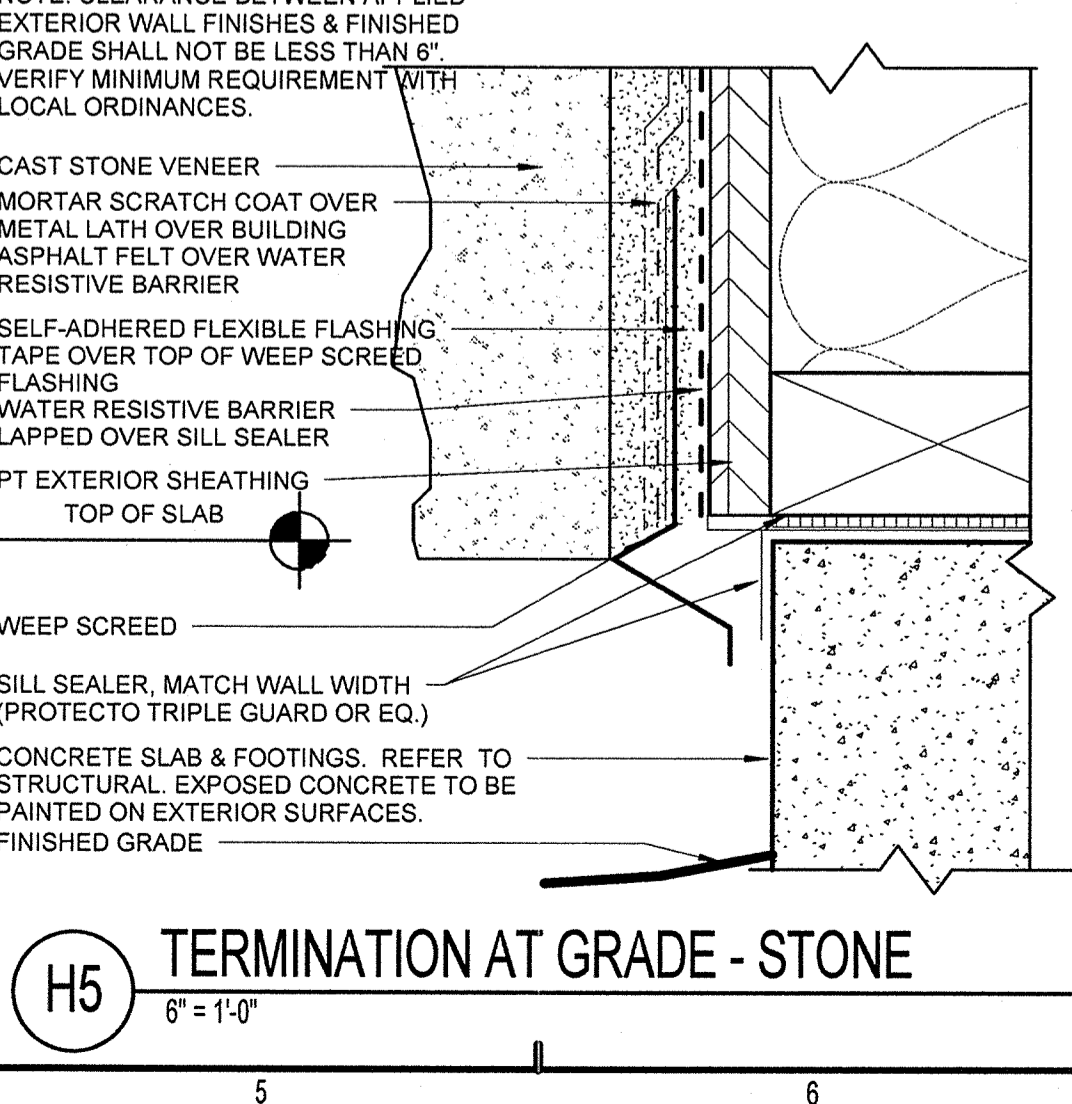
**F9** EXT. WALL DETAIL - SIDING  
1" = 1'-0"



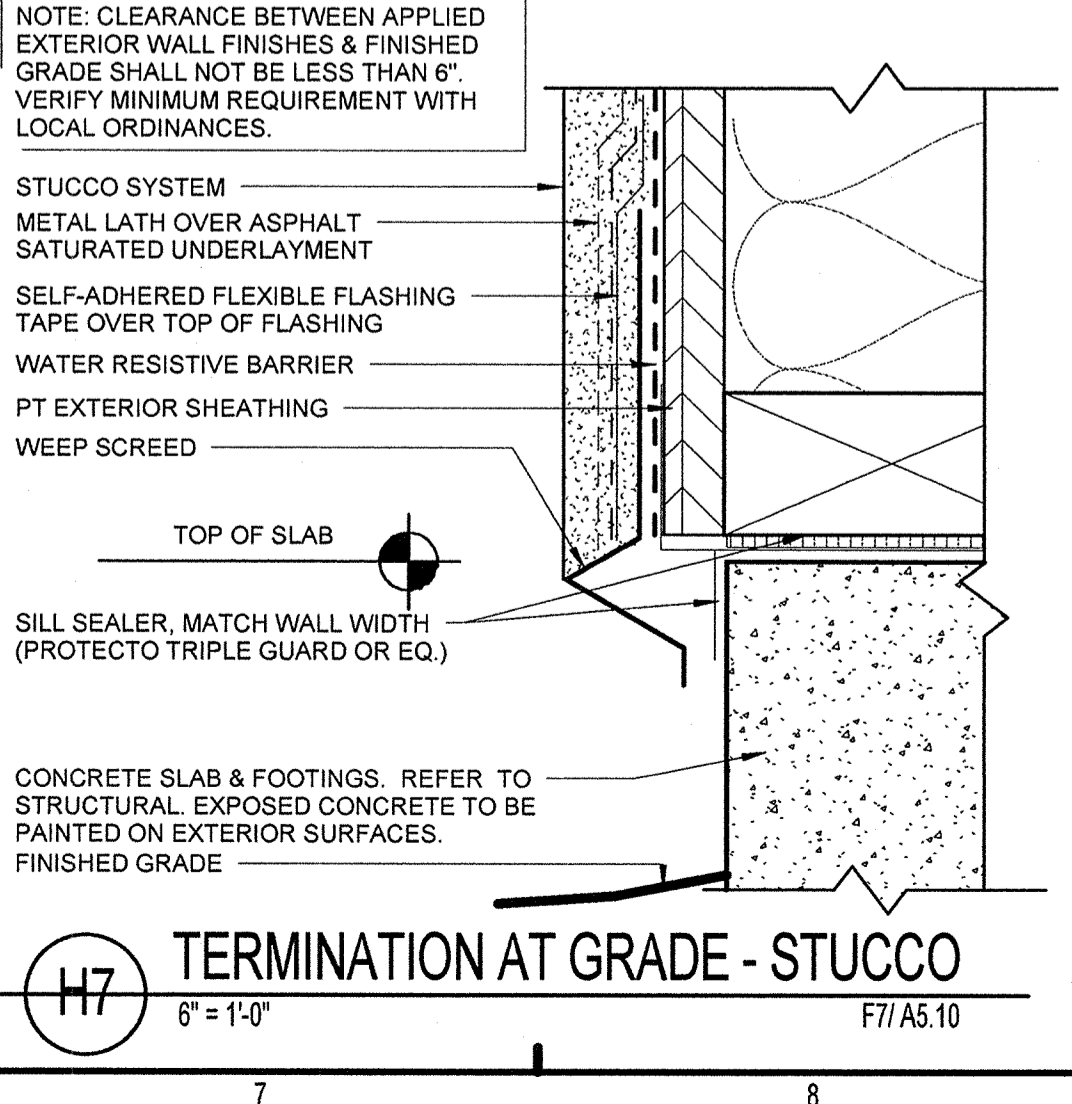
**H1** TENANT SEPARATION @ FOUNDATION  
1" = 1'-0" C5/A5.01



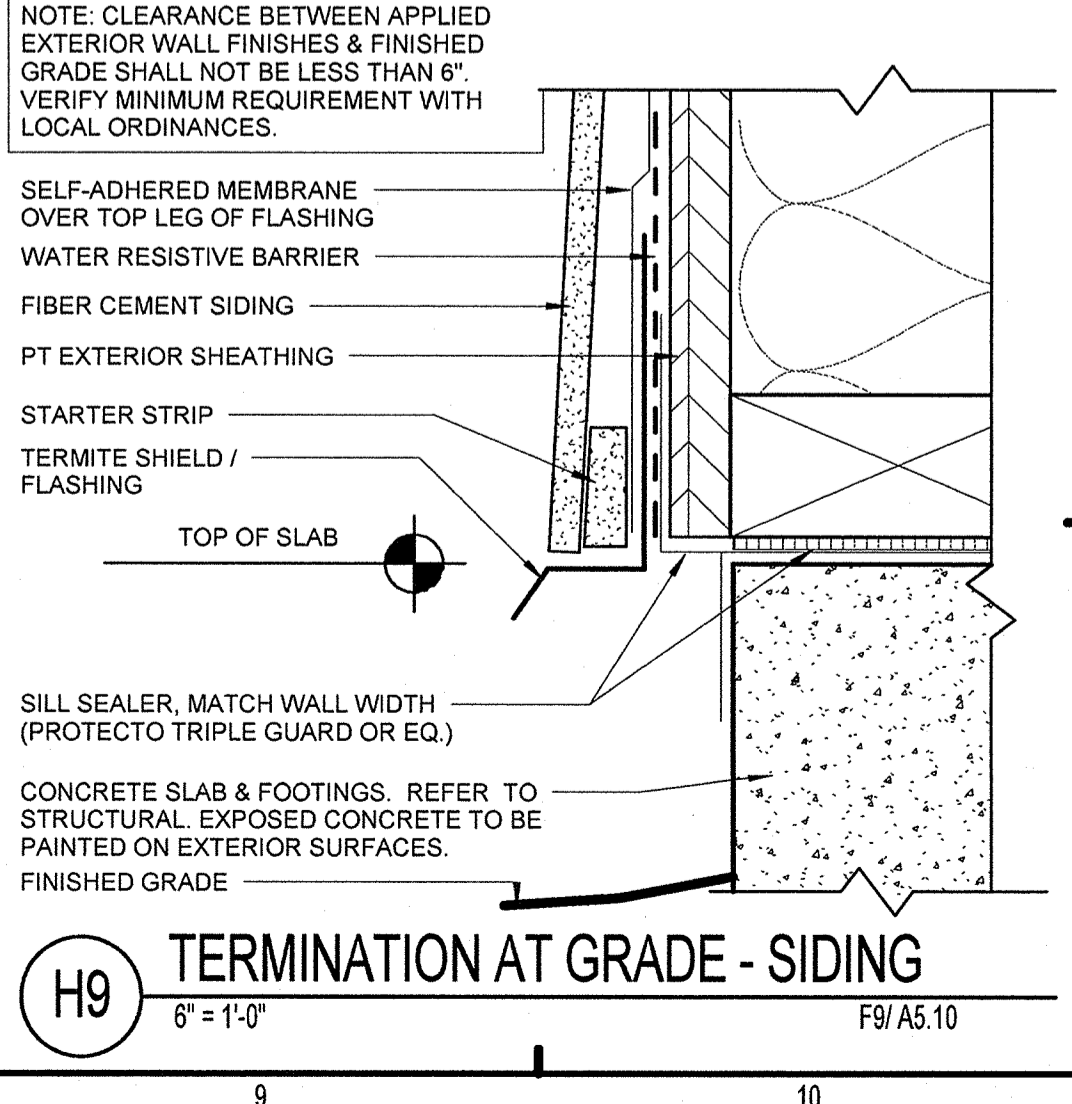
**H3** BREEZEWAY / BALC. WALL SECTION  
1" = 1'-0" H5/A5.01



**H5** TERMINATION AT GRADE - STONE  
6" = 1'-0"



**H7** TERMINATION AT GRADE - STUCCO  
6" = 1'-0" F7/A5.10



**H9** TERMINATION AT GRADE - SIDING  
6" = 1'-0" F9/A5.10

PERMIT REVIEW		
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REVISION HISTORY		
No.	Date	Description

ISSUE HISTORY		
No.	Date	Description
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Lake County, FL

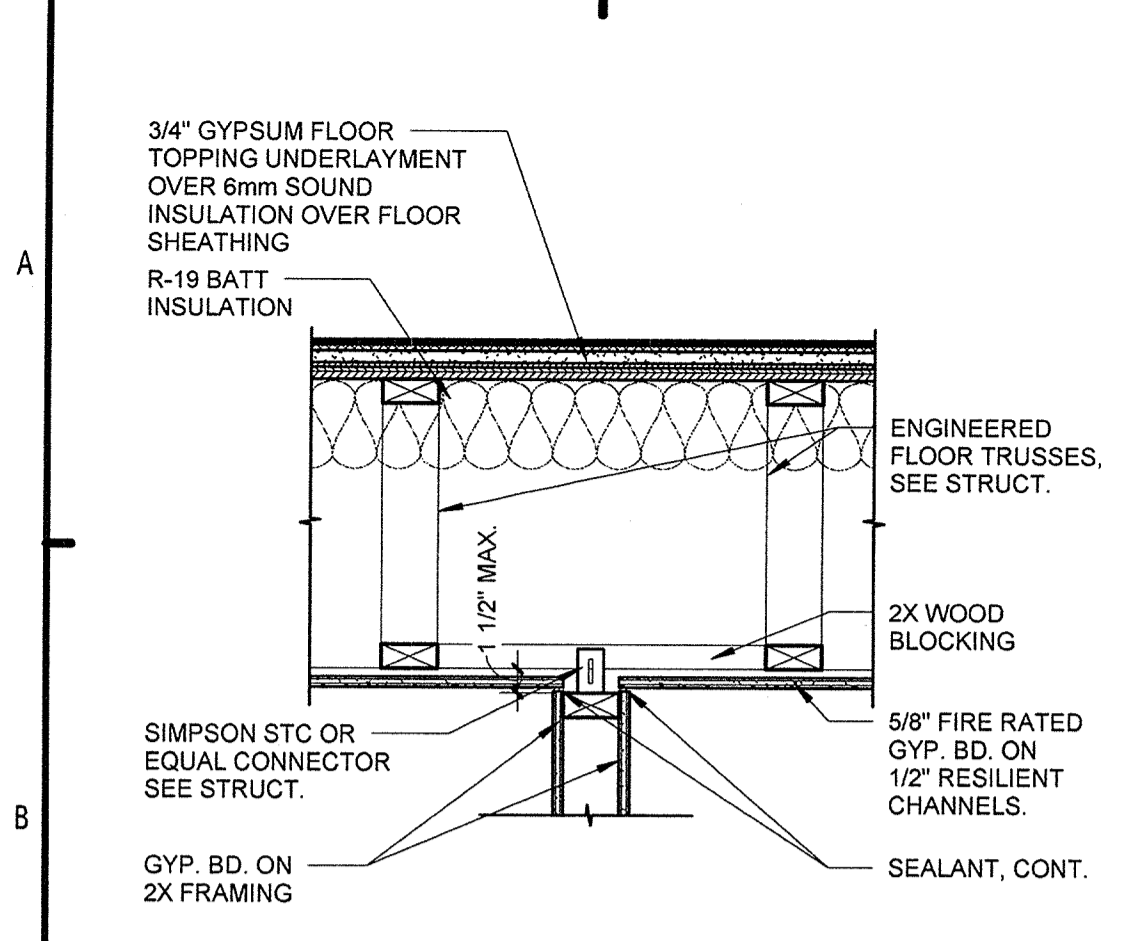
**SECTION DETAILS**  
A5.10

Drawn: KP  
Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5169

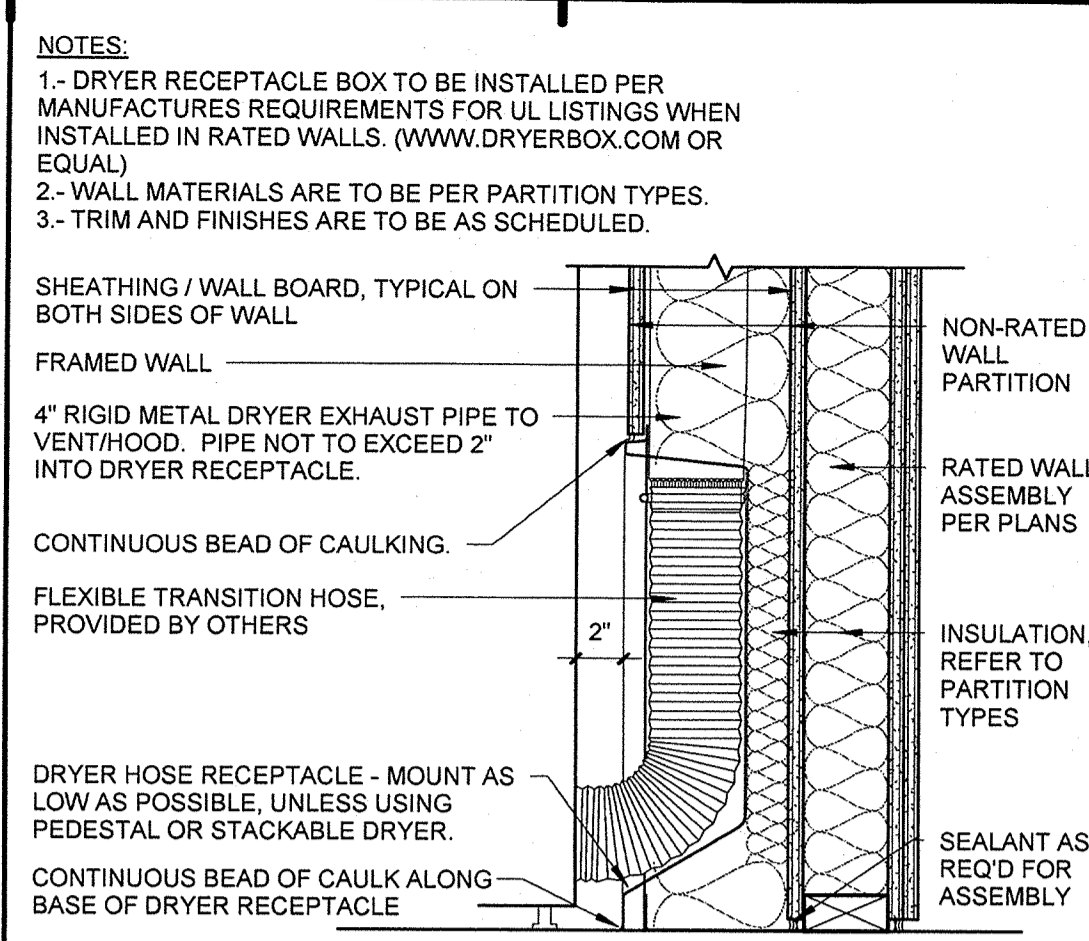
KEN LINDEMAN  
FLORIDA LICENSE # AR0017385

*[Signature]*  
2013/11/15

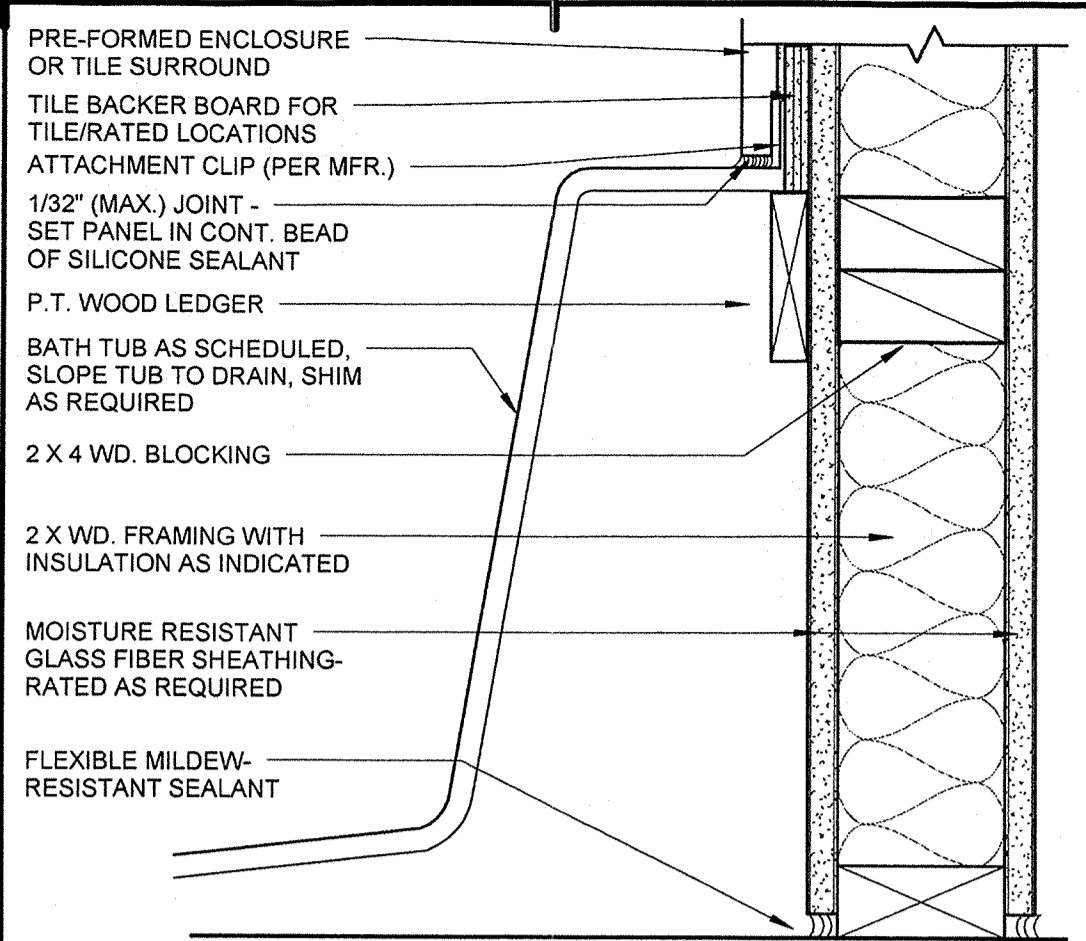
© Revit Projects Summer Bay Apts-13 Central\_Kyle Paxton.rvt PLOTTED: 11/15/2013 12:46:17 PM



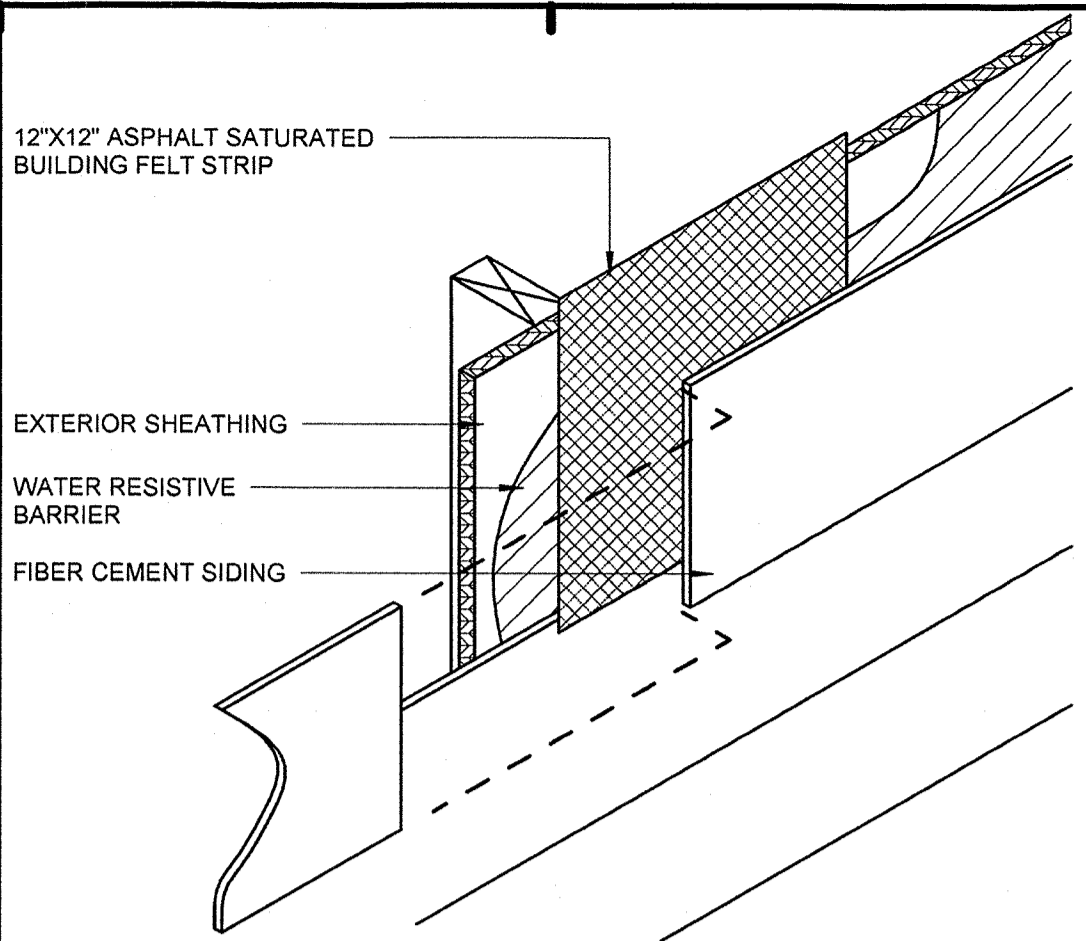
**B1** TYPICAL INTERIOR WALL - NON BEARING  
1" = 1'-0"



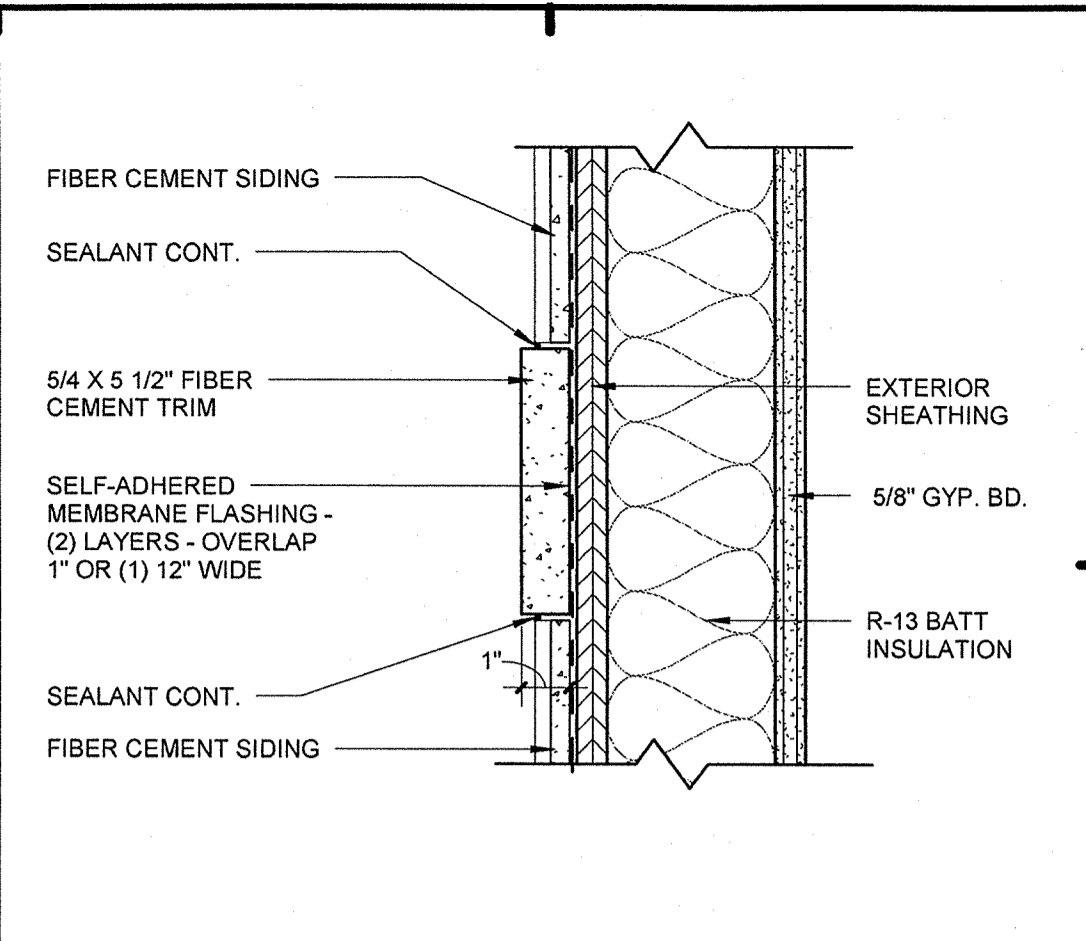
**B3** DRYER VENT BOX DET.  
1 1/2" = 1'-0"



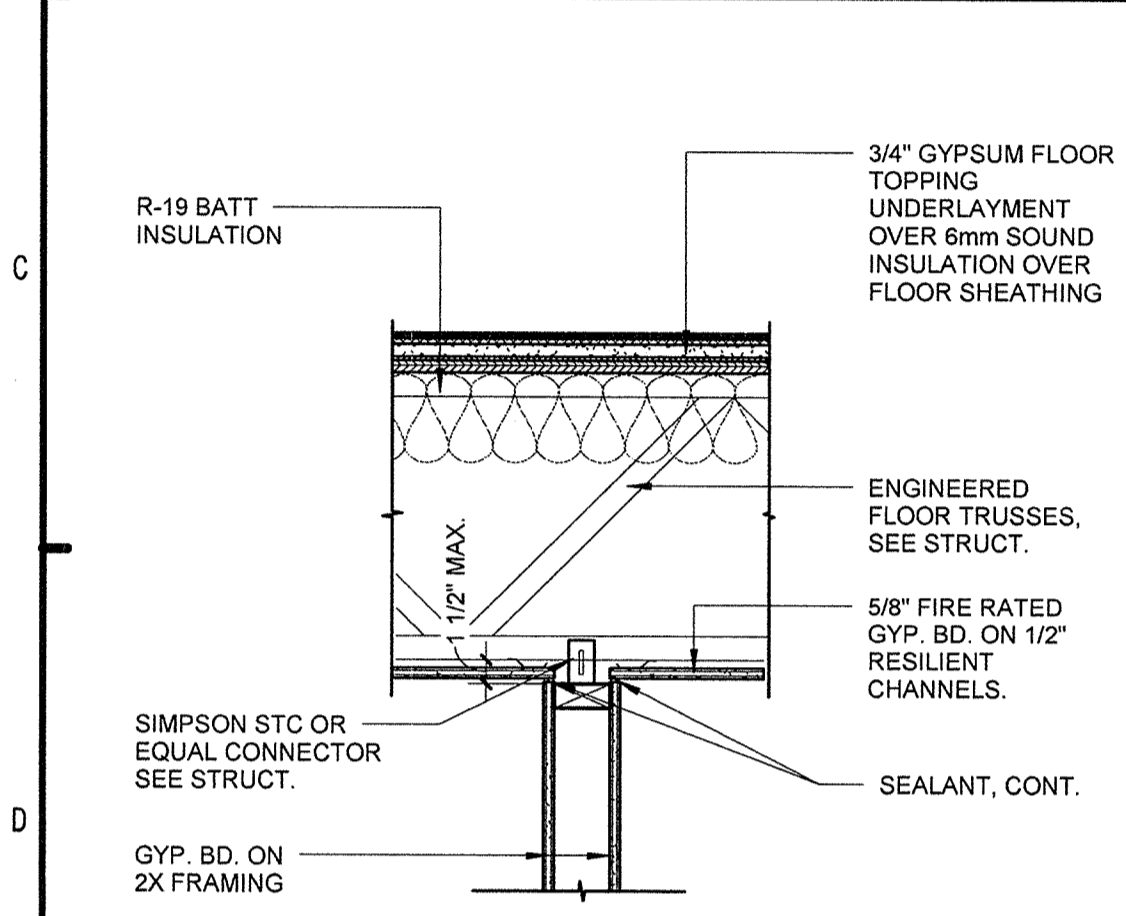
**B5** TUB DETAIL (TYP.)  
3" = 1'-0"



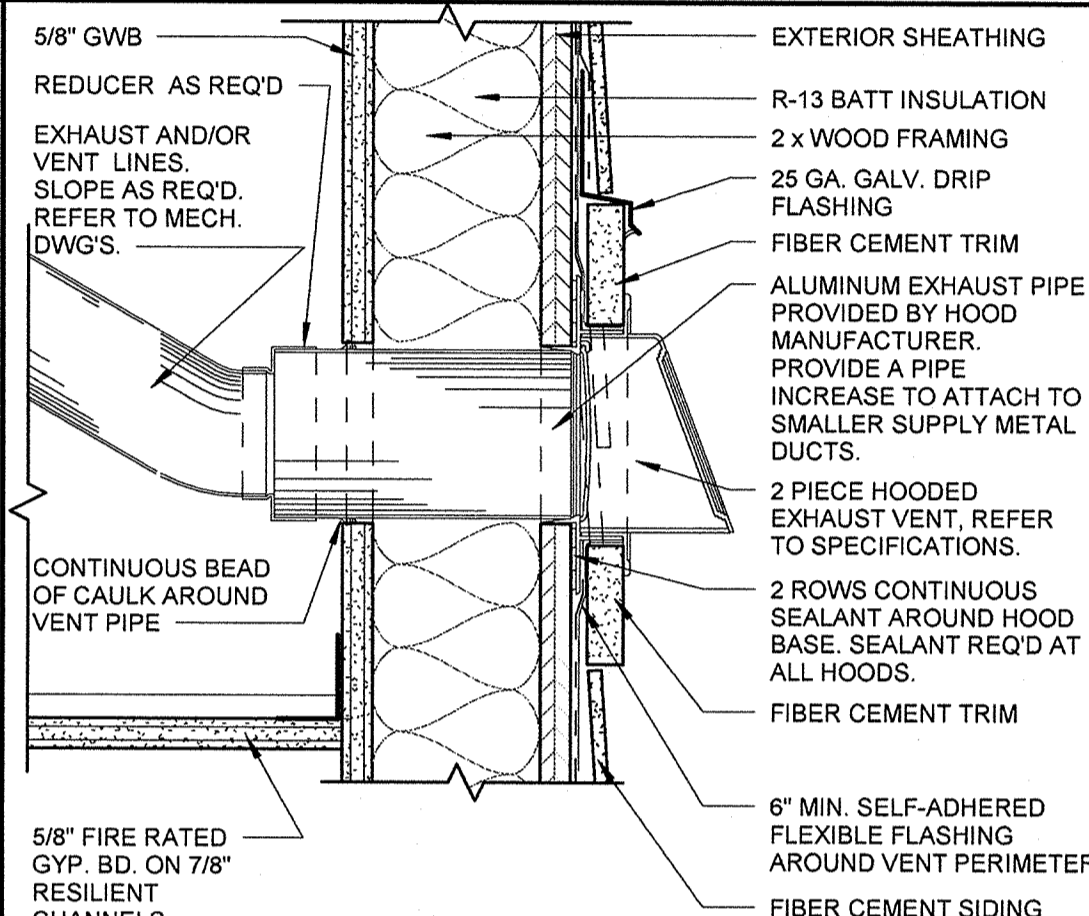
**B7** SIDING ABUTTMENT DETAIL  
1 1/2" = 1'-0"



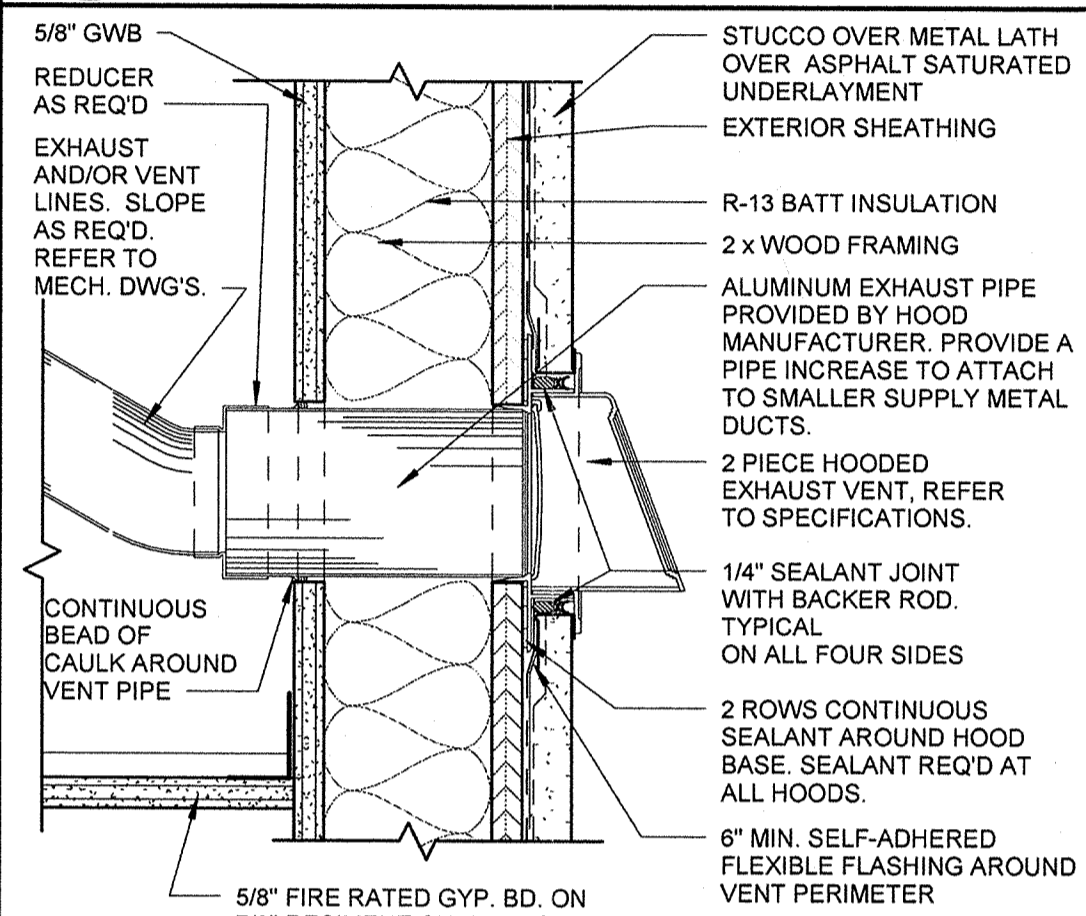
**B9** VERTICAL TRIM DETAIL  
3" = 1'-0" C2/A5.02



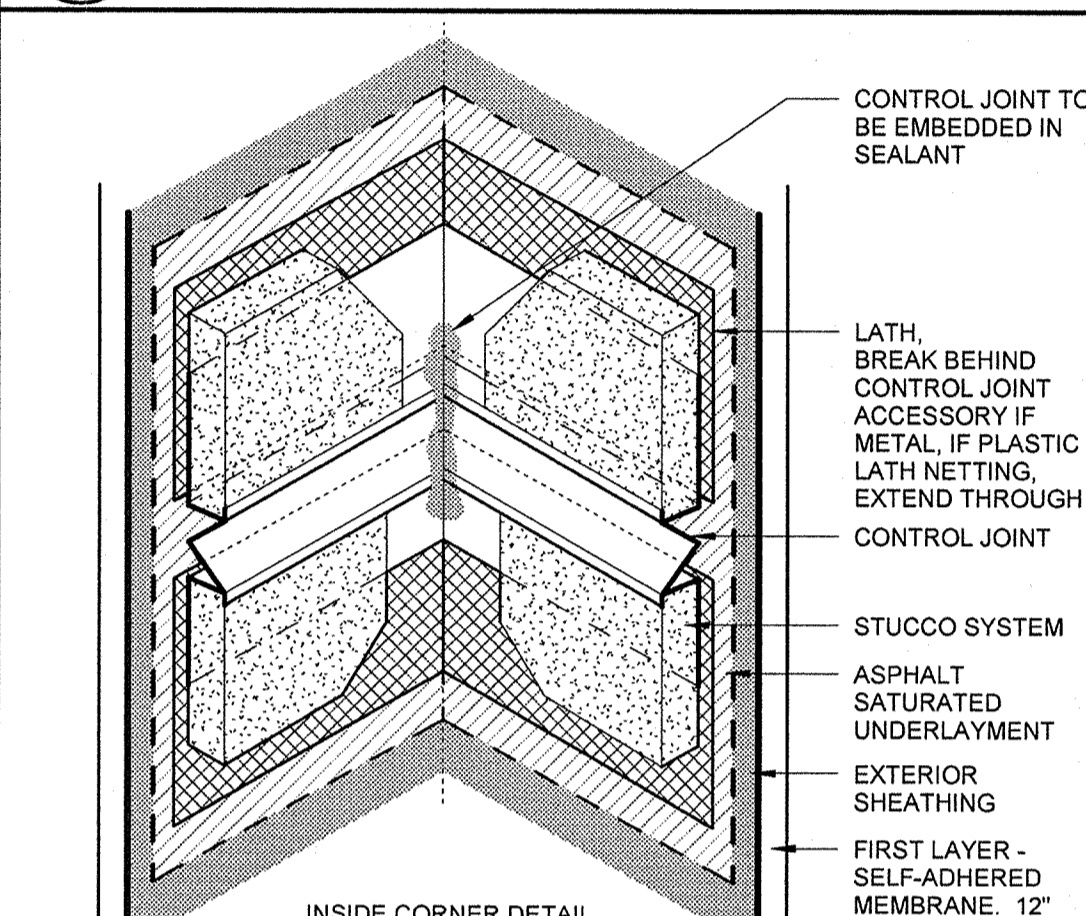
**D1** TYPICAL INTERIOR WALL - NON BEARING  
1" = 1'-0"



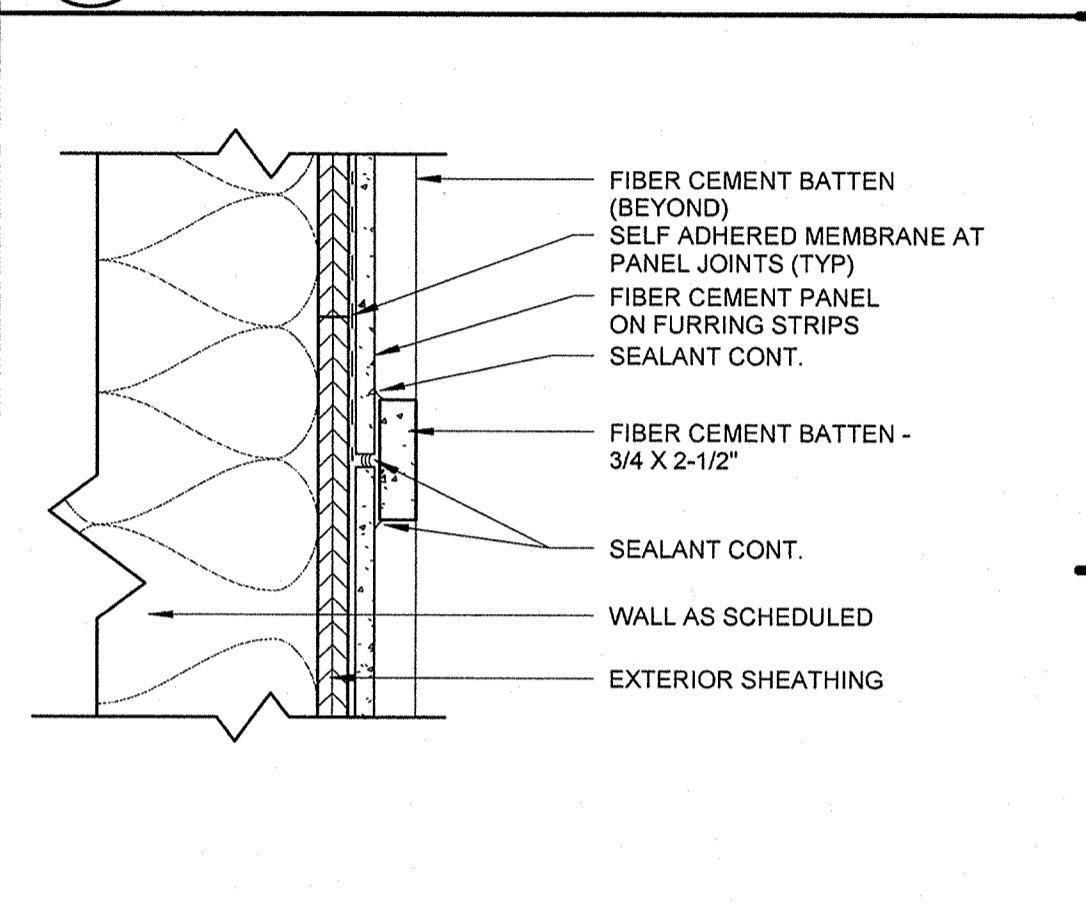
**D3** DRYER/EXHAUST HOOD DETAIL  
3" = 1'-0"



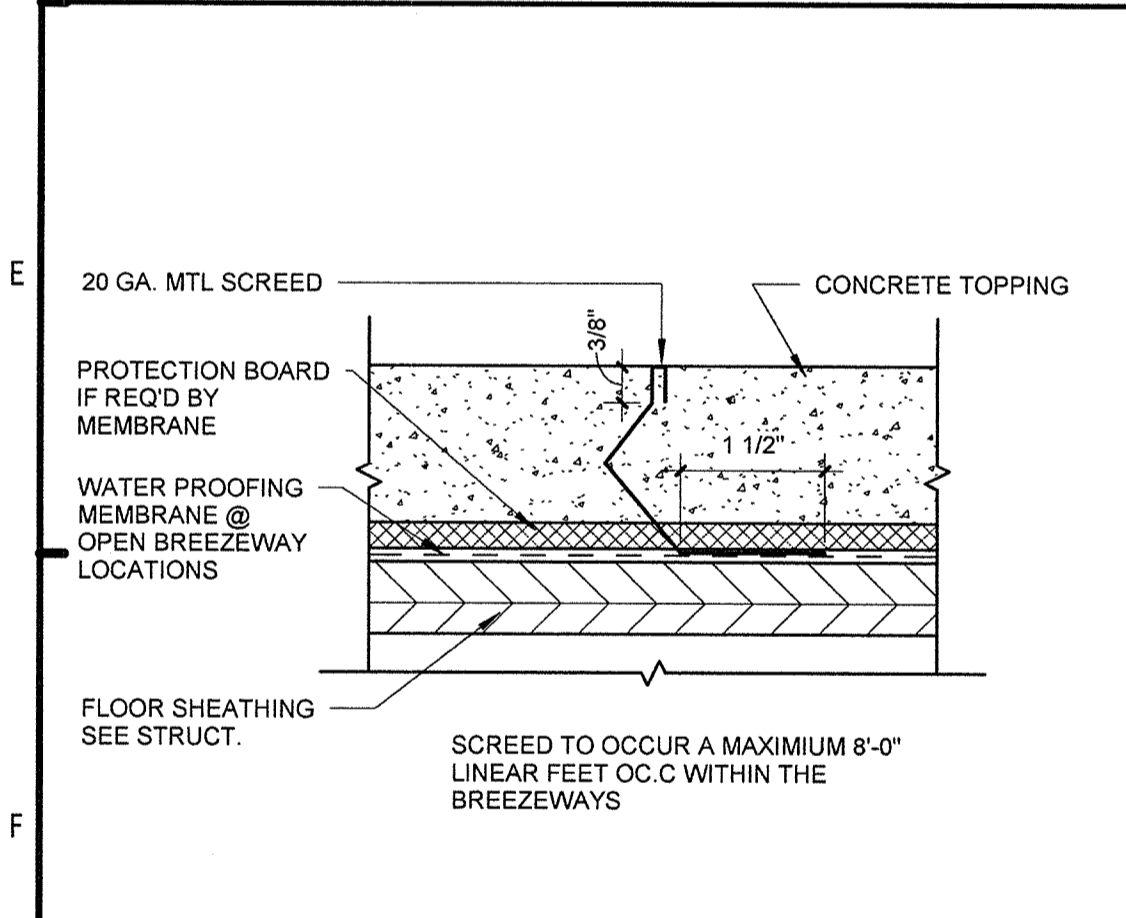
**D5** DRYER/EXHAUST HOOD DETAIL  
3" = 1'-0"



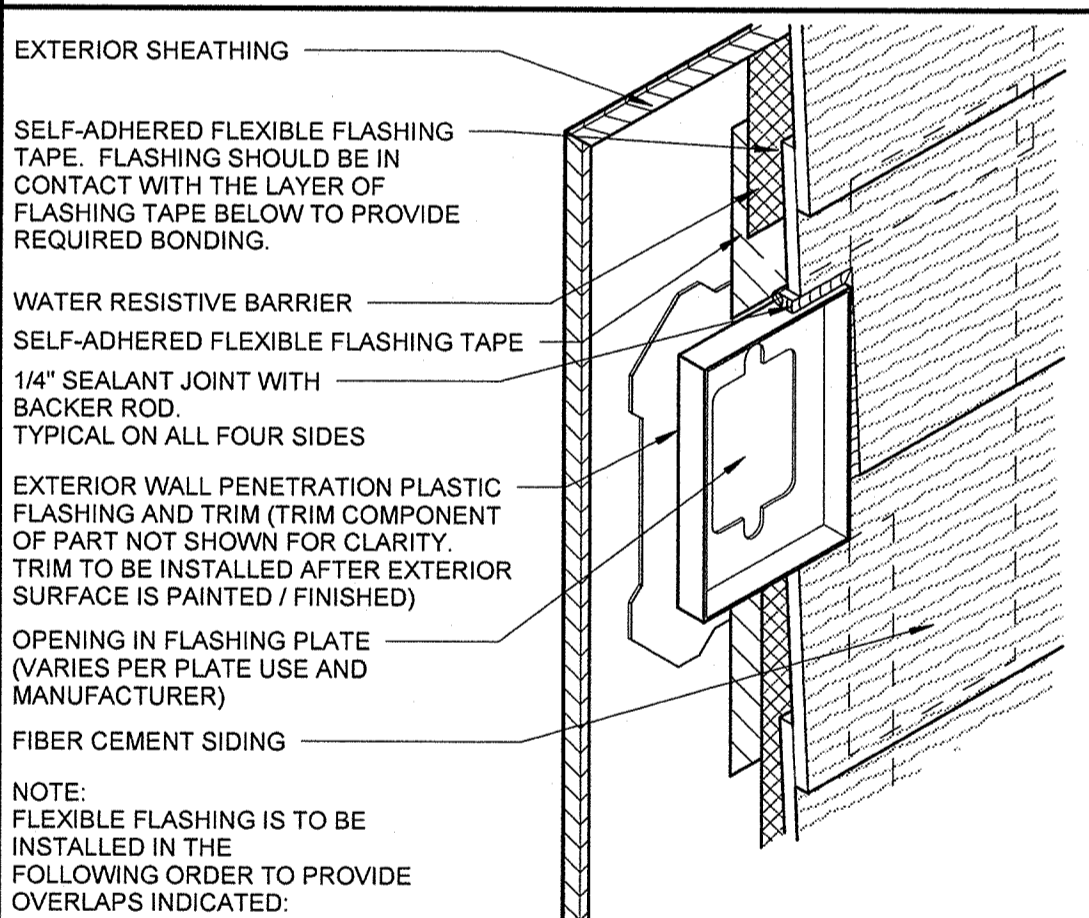
**D7** STUCCO CONTROL JOINT DETAILS  
6" = 1'-0"



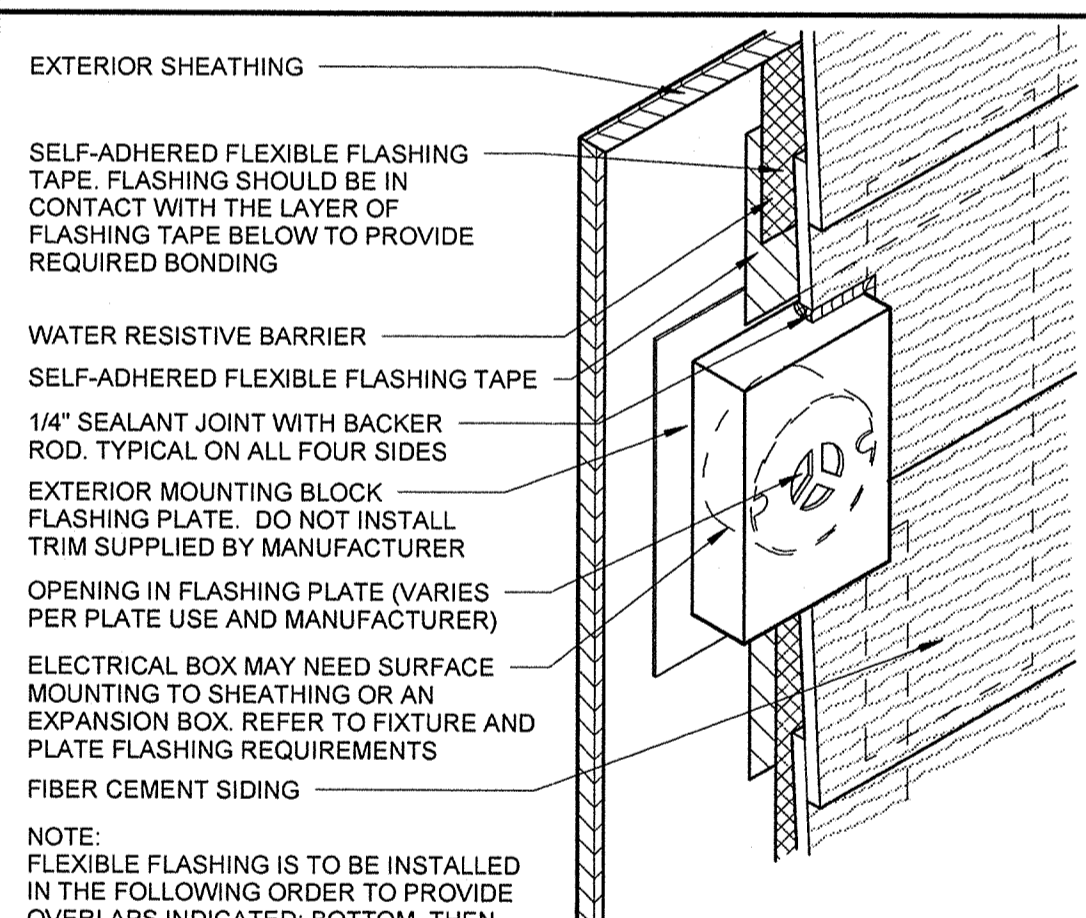
**D9** BATTEN BOARD - VERTICAL DETAIL  
3" = 1'-0"



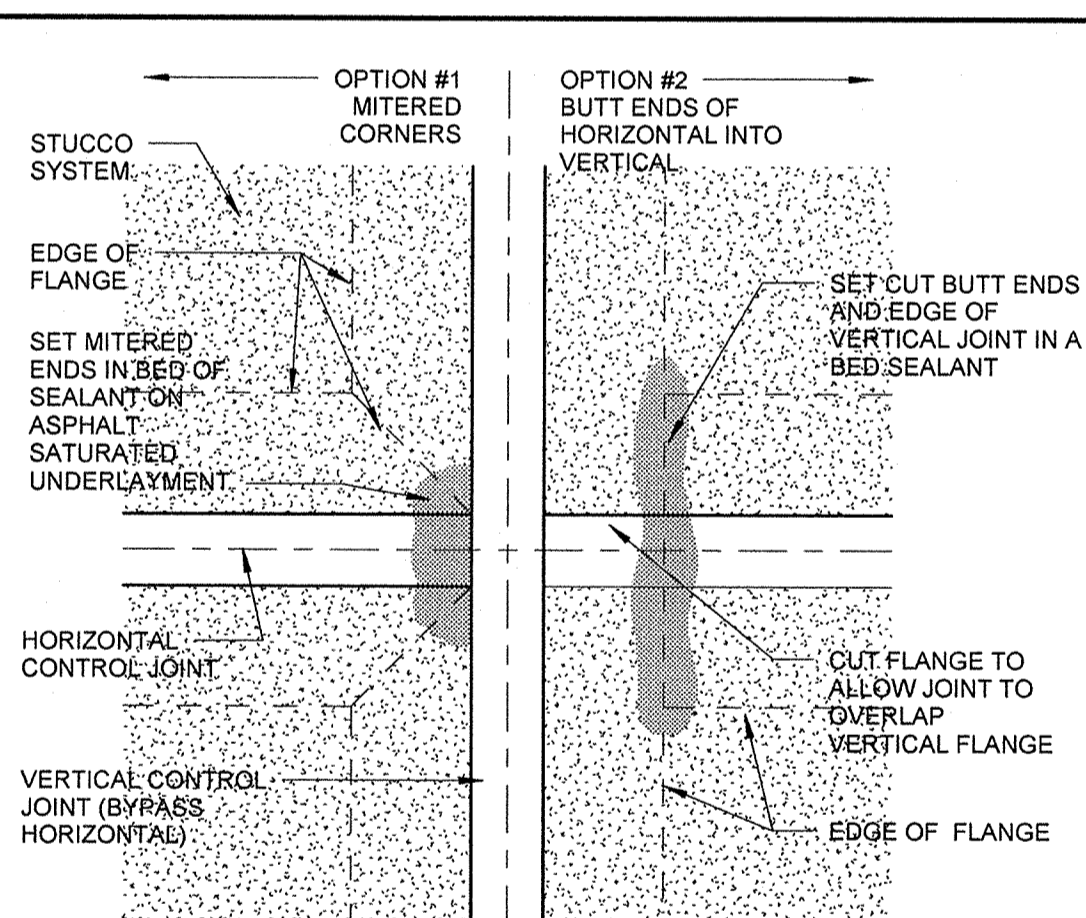
**F1** CORRIDOR SCREED DETAIL  
6" = 1'-0" H1/A5.12



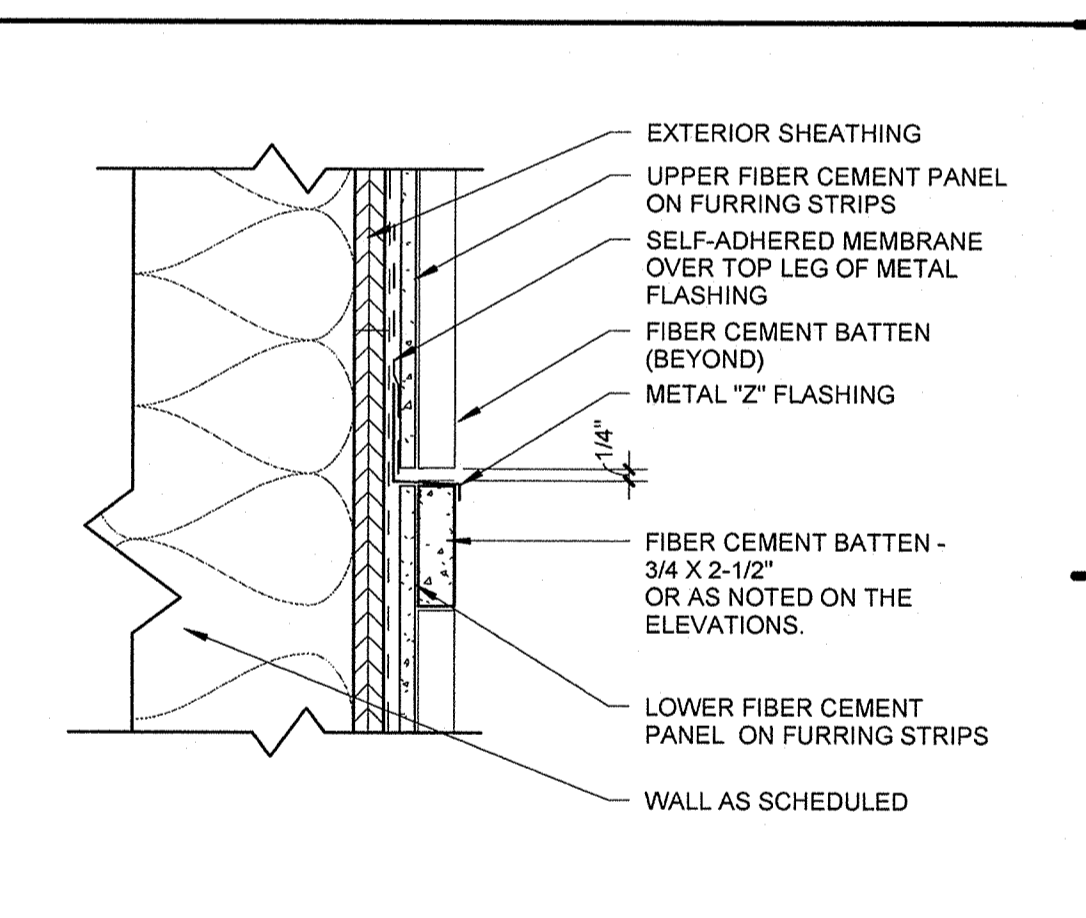
**F3** ELECTRICAL BOX FLASHING DETAIL  
3" = 1'-0"



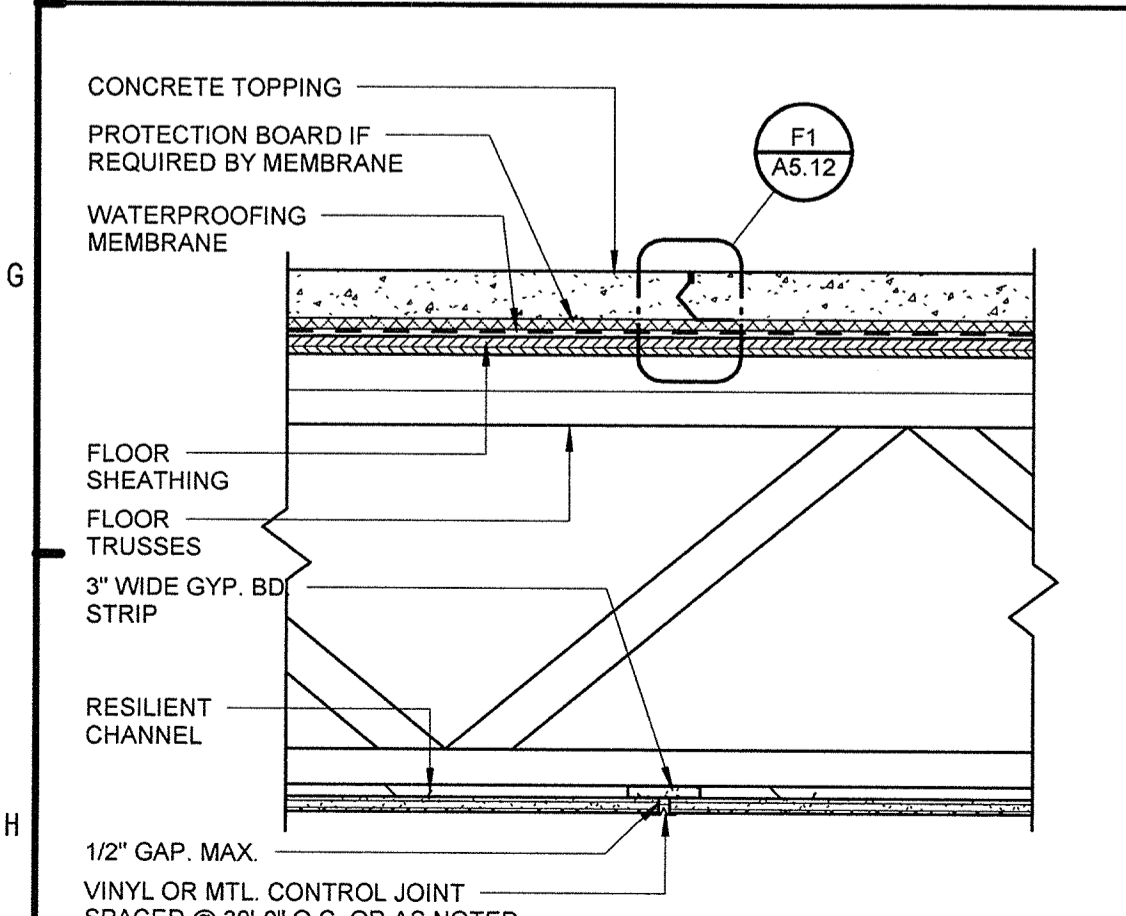
**F5** MOUNTING BLOCK FLASHING PLATE  
3" = 1'-0"



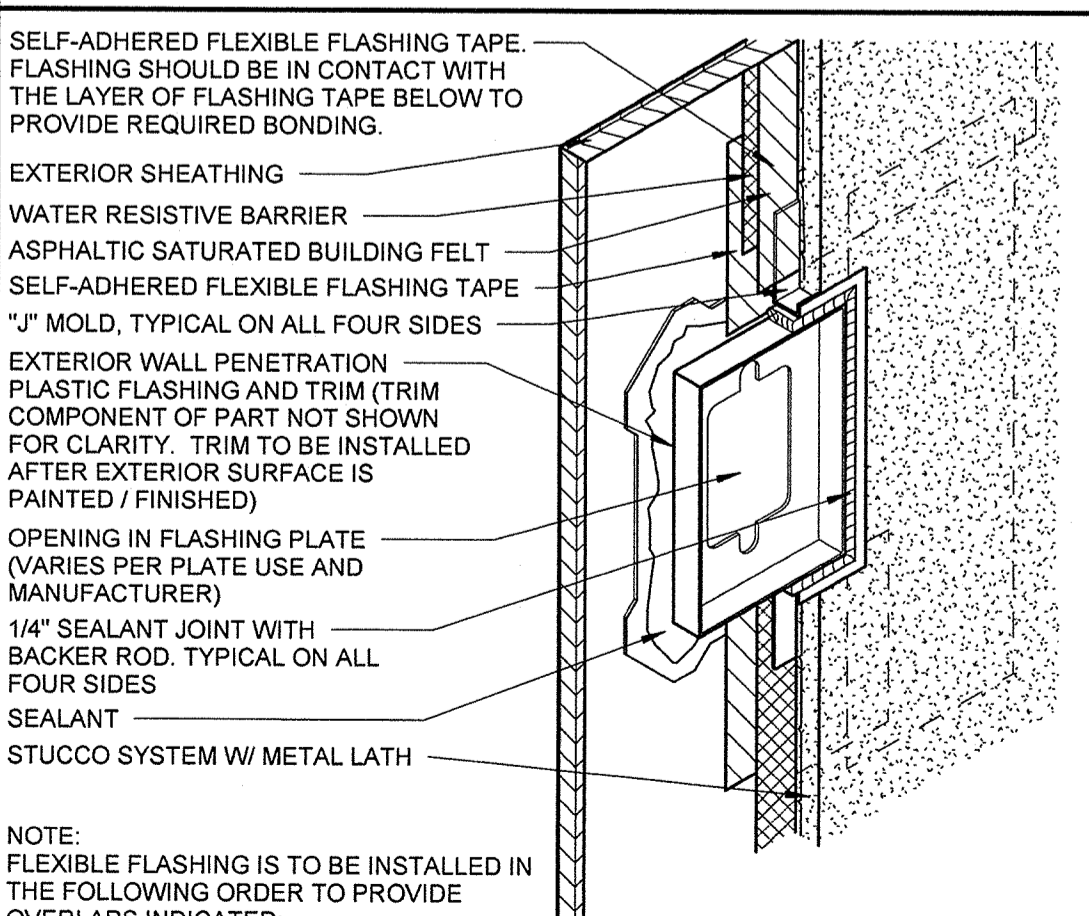
**F7** STUCCO CONTROL JOINT DETAILS  
6" = 1'-0"



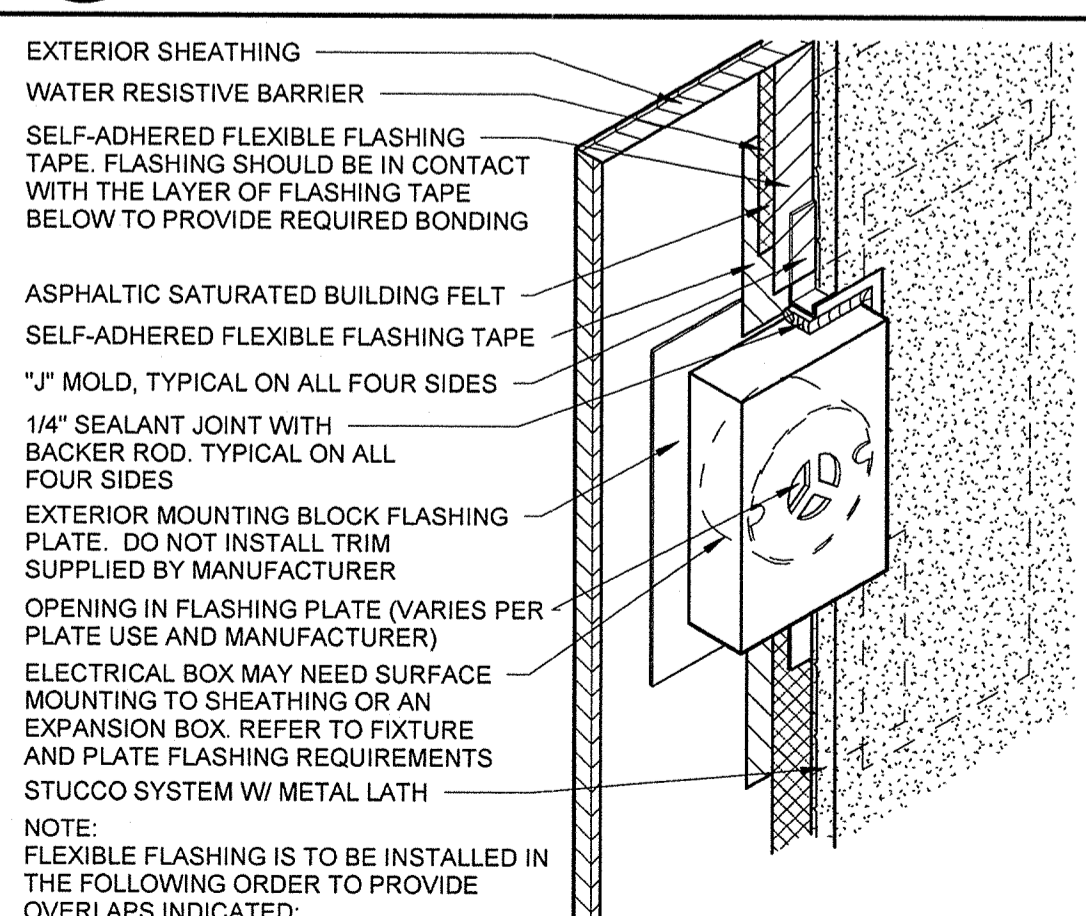
**F9** BATTEN BOARD - HORIZONTAL DETAIL  
3" = 1'-0" F1/A5.01



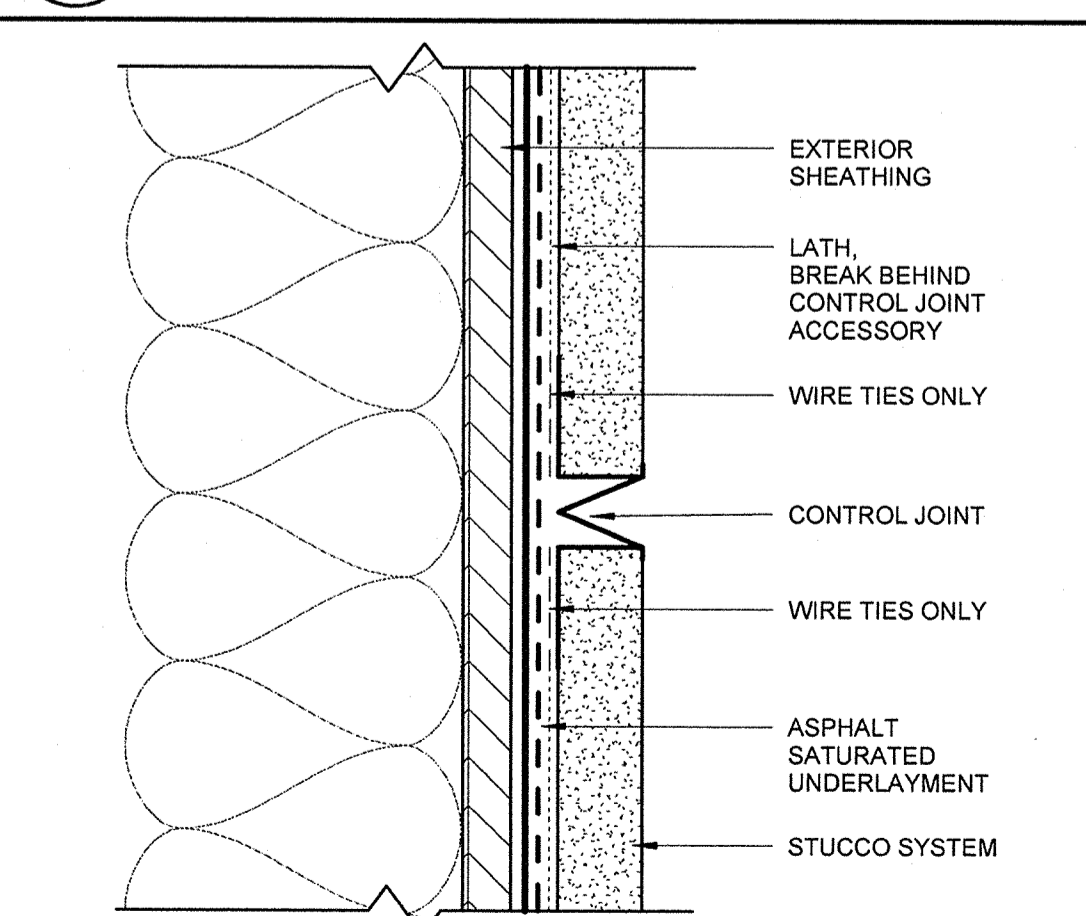
**H1** CONTROL JOINT @ CEILING DETAIL  
1 1/2" = 1'-0" D1/A2.13



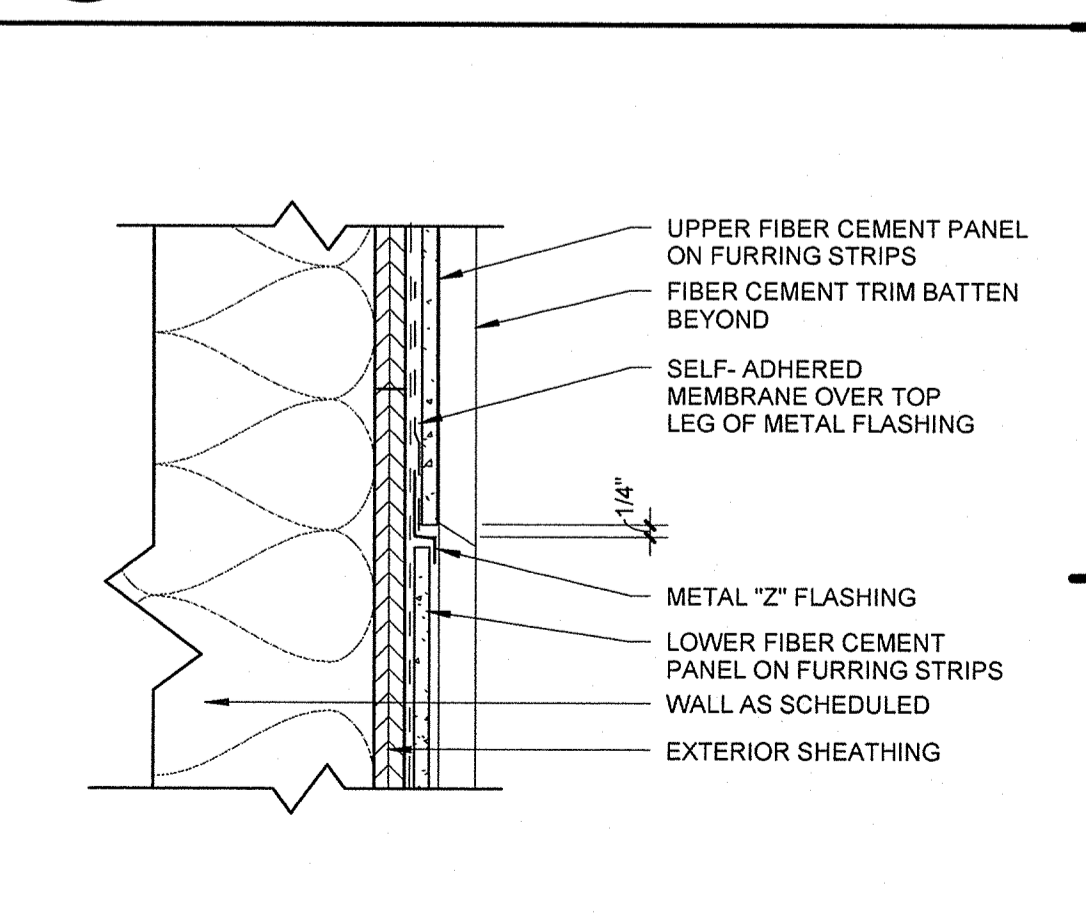
**H3** ELECTRICAL BOX FLASHING DETAIL  
3" = 1'-0"



**H5** MOUNTING BLOCK FLASHING PLATE  
3" = 1'-0"



**H7** STUCCO CONTROL JOINT DETAILS  
6" = 1'-0"



**H9** PANEL BOARD - VERTICAL DETAIL  
3" = 1'-0" C1/A5.01

PERMIT REVIEW		

ISSUE HISTORY		
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REVISION HISTORY		
No.	Date	Description

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**SUMMER BAY APARTMENTS**  
Lake County, FL

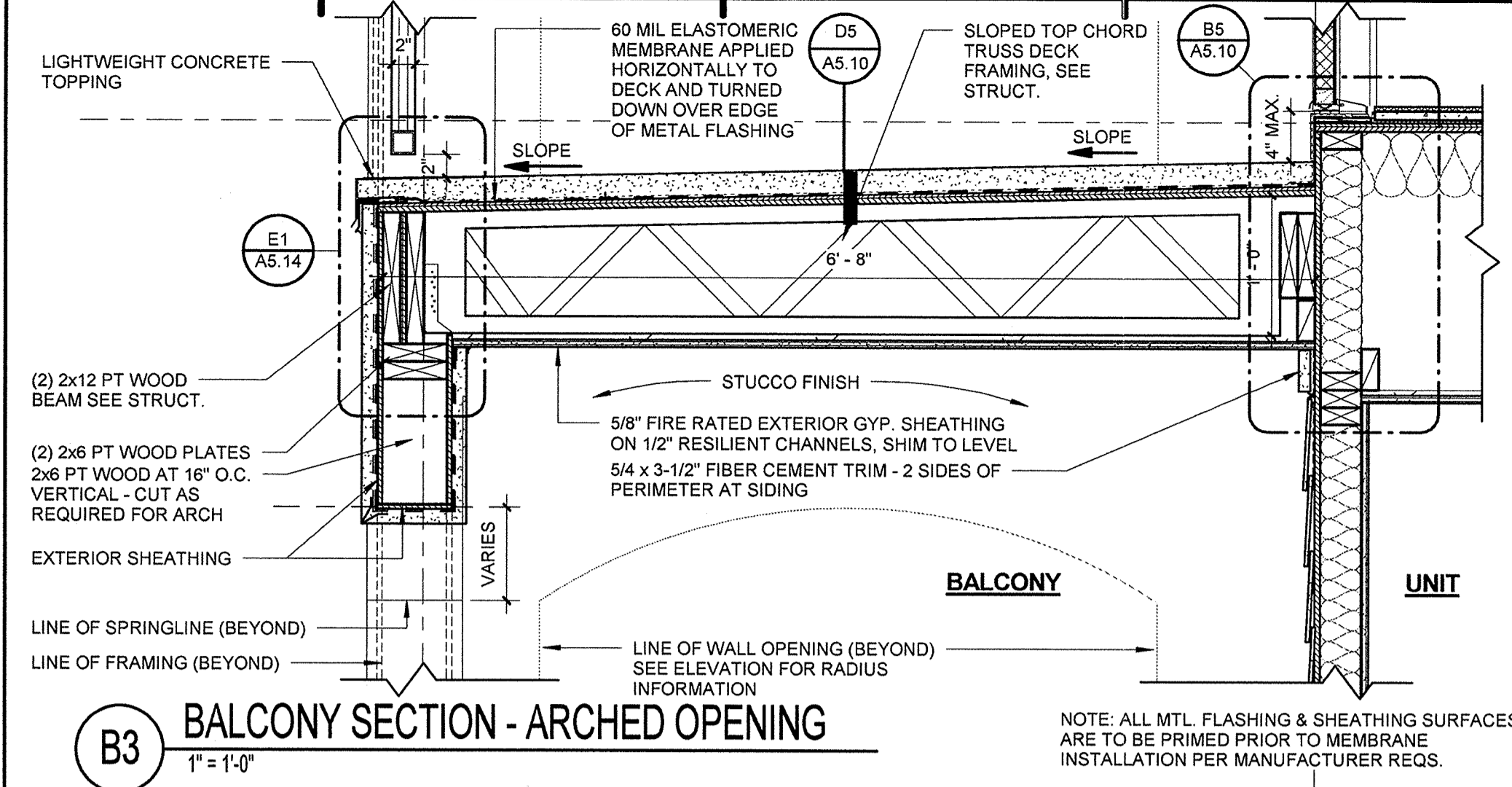
**MISCELLANEOUS DETAILS**

**A5.12**

KEVIN LINDEMAN  
FLORIDA LICENSE # AR0017385

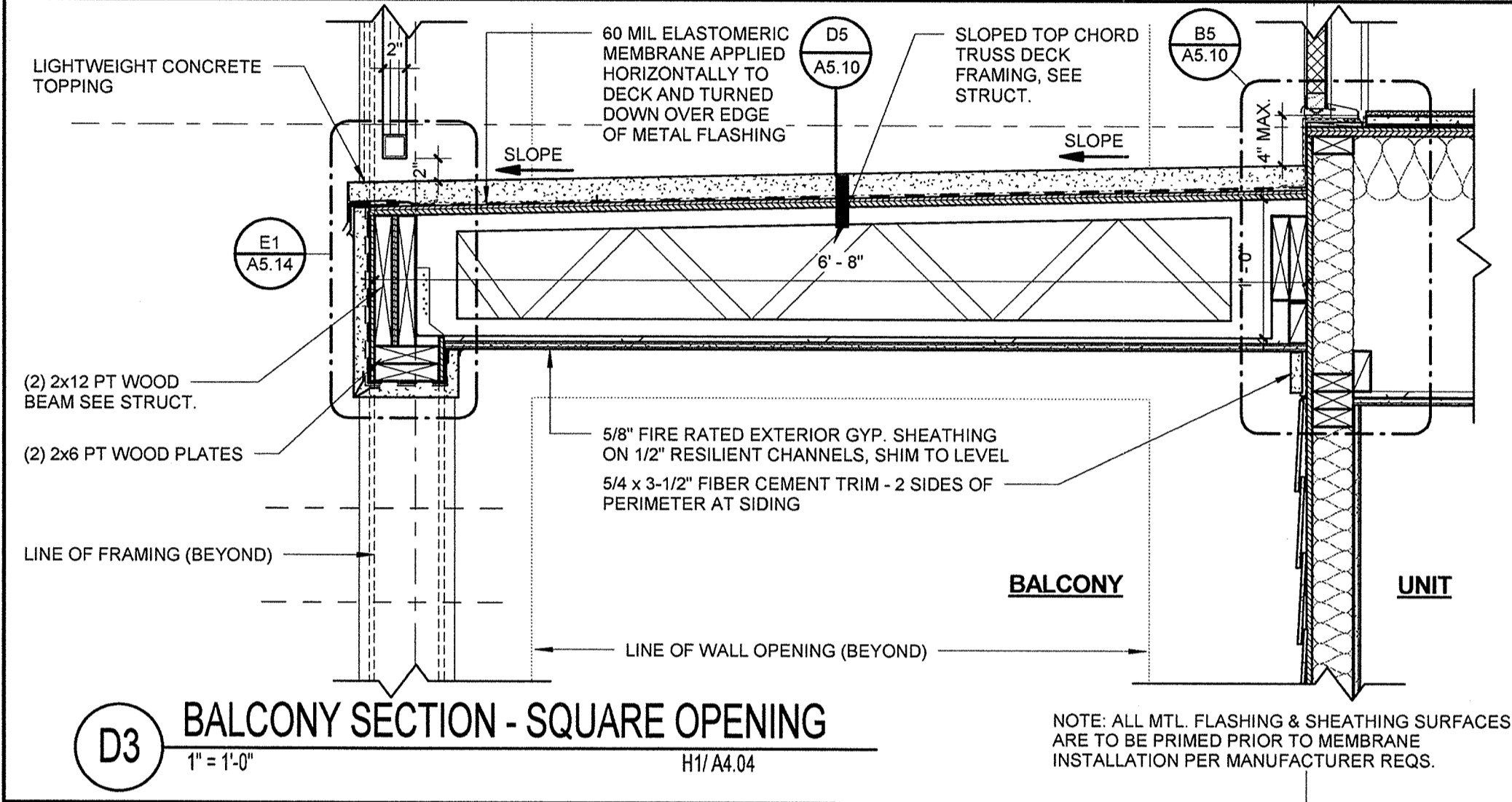
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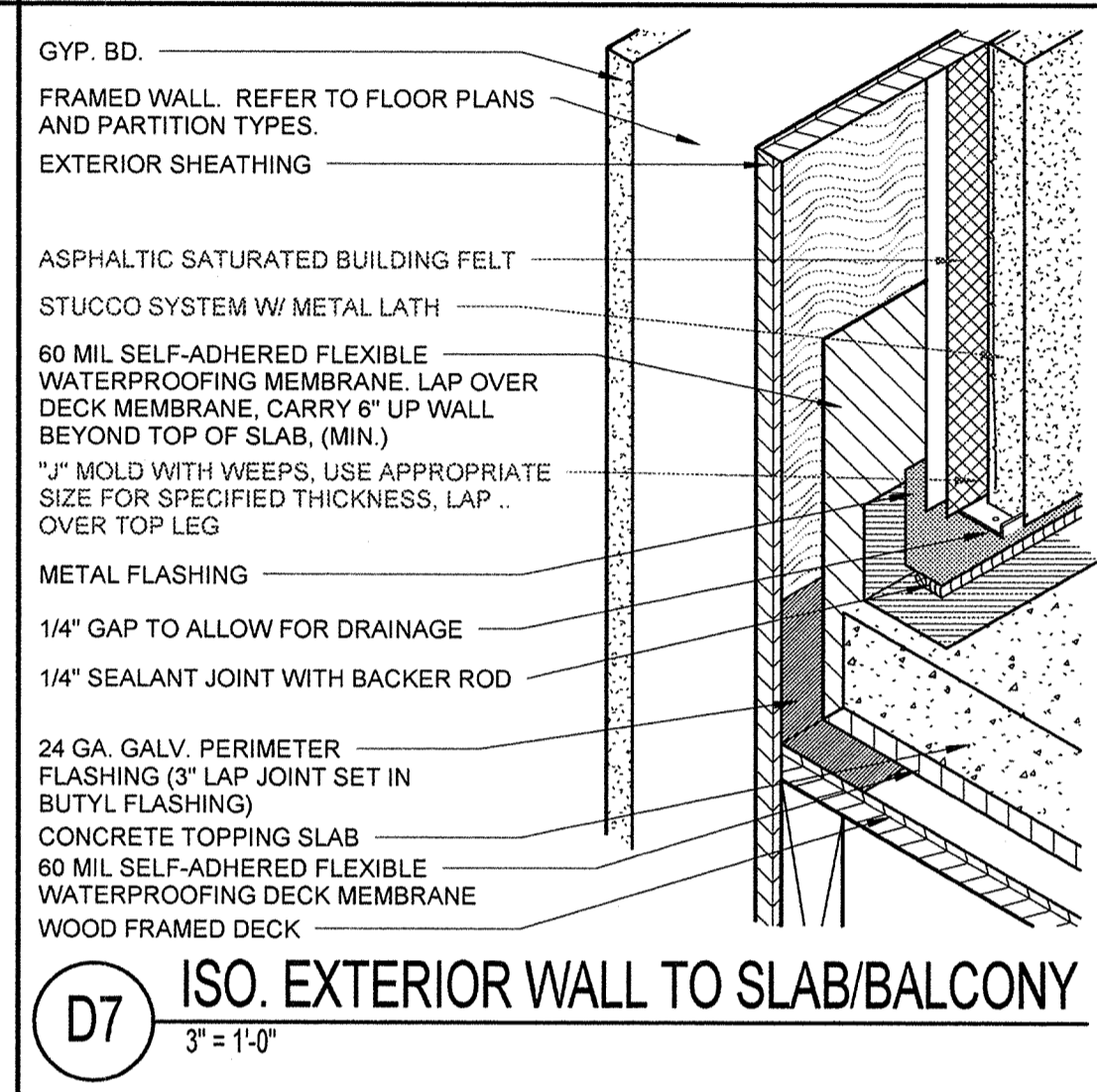
**B3 BALCONY SECTION - ARCHED OPENING**  
1" = 1'-0"

NOTE: ALL MTL. FLASHING & SHEATHING SURFACES ARE TO BE PRIMED PRIOR TO MEMBRANE INSTALLATION PER MANUFACTURER REQS.

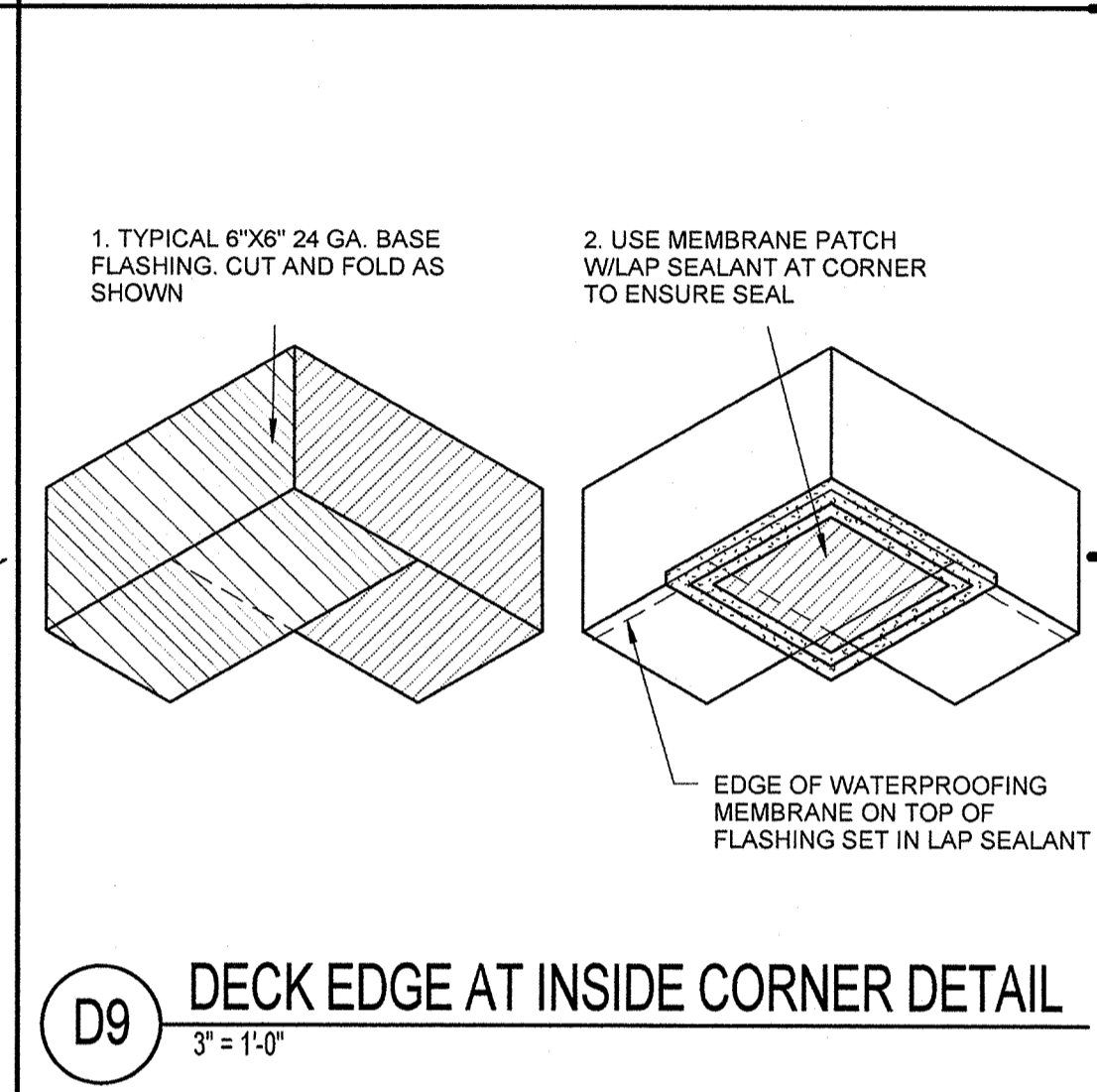


**D3 BALCONY SECTION - SQUARE OPENING**  
1" = 1'-0"

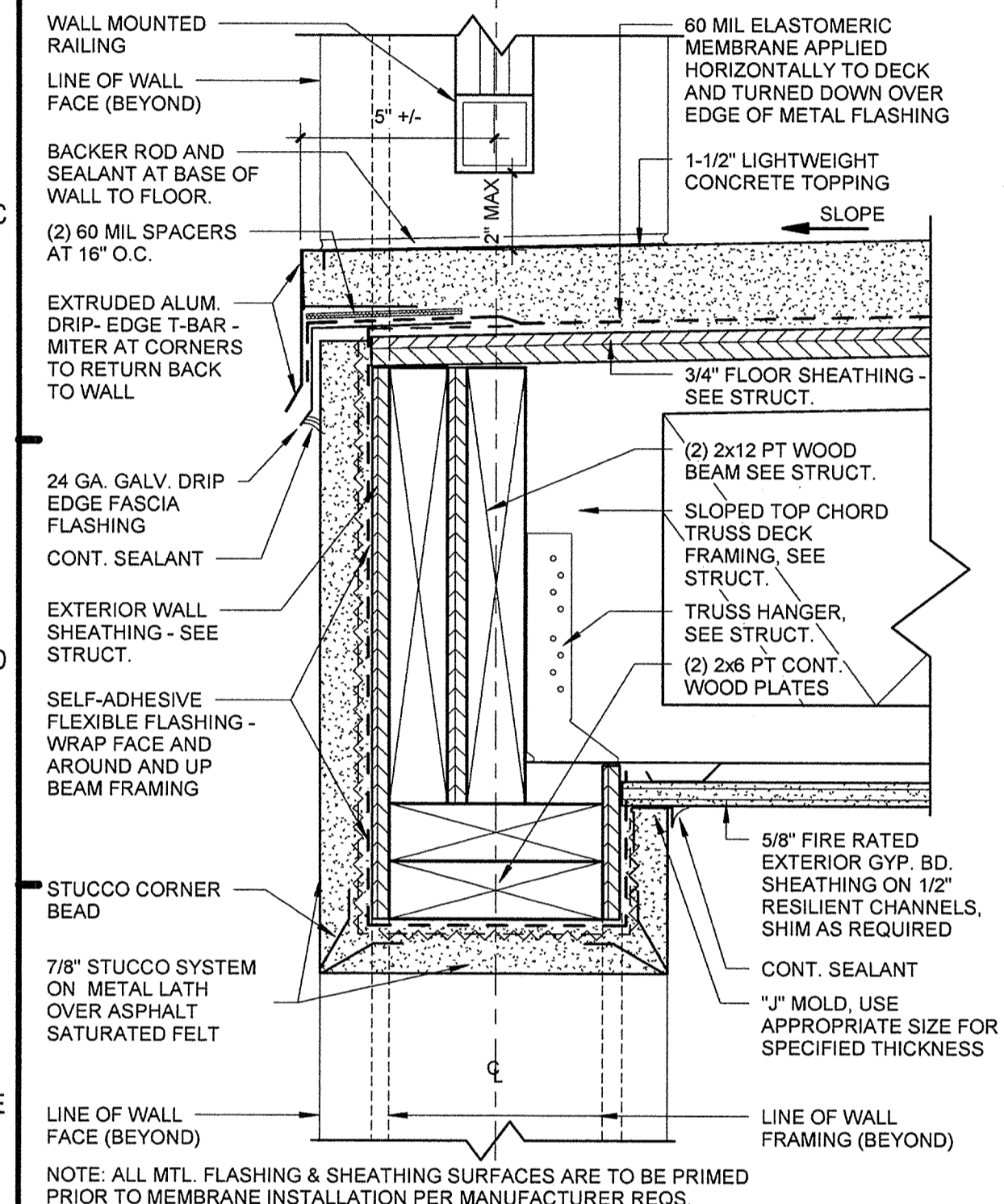
NOTE: ALL MTL. FLASHING & SHEATHING SURFACES ARE TO BE PRIMED PRIOR TO MEMBRANE INSTALLATION PER MANUFACTURER REQS.



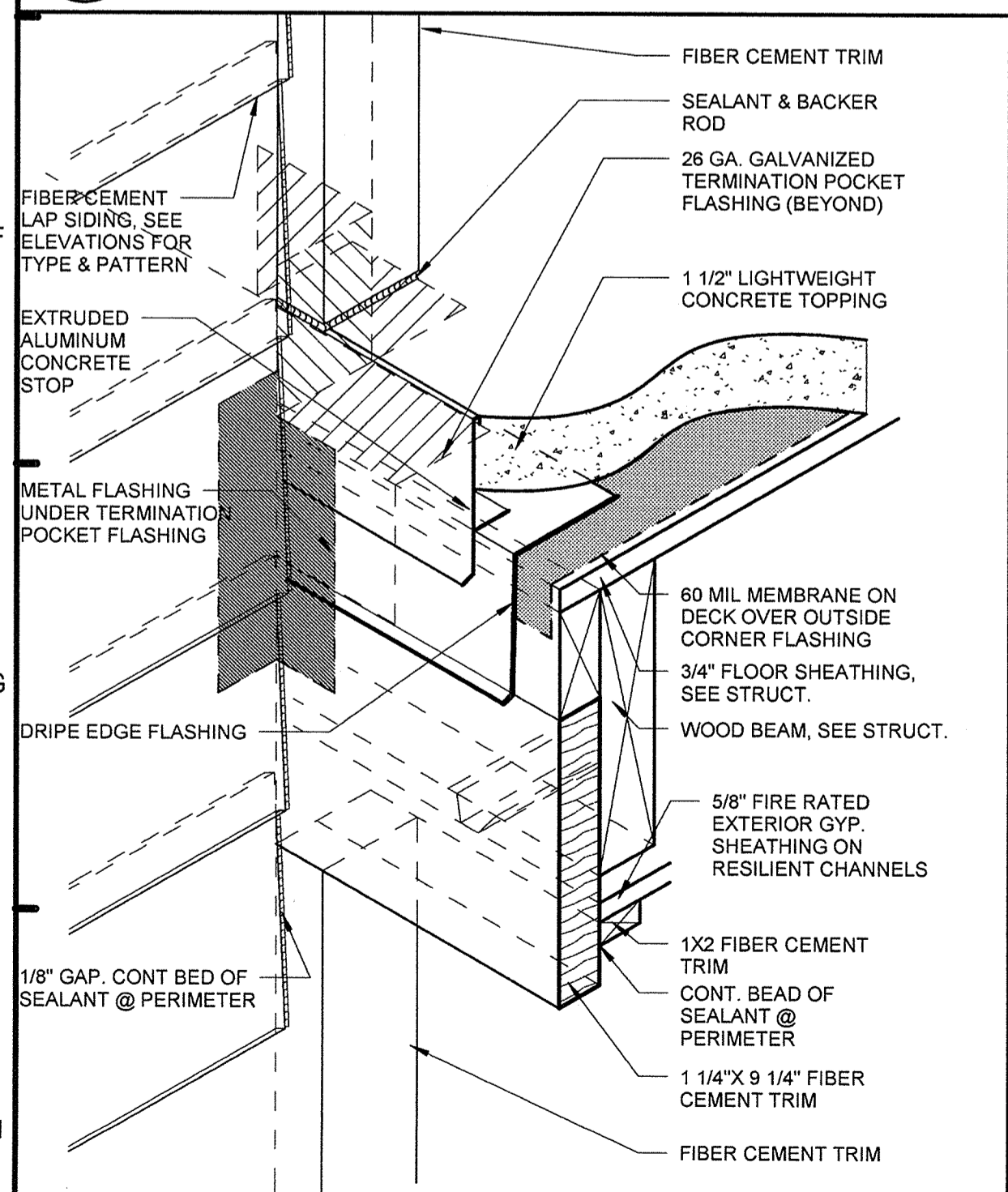
**D7 ISO. EXTERIOR WALL TO SLAB/BALCONY**  
3" = 1'-0"



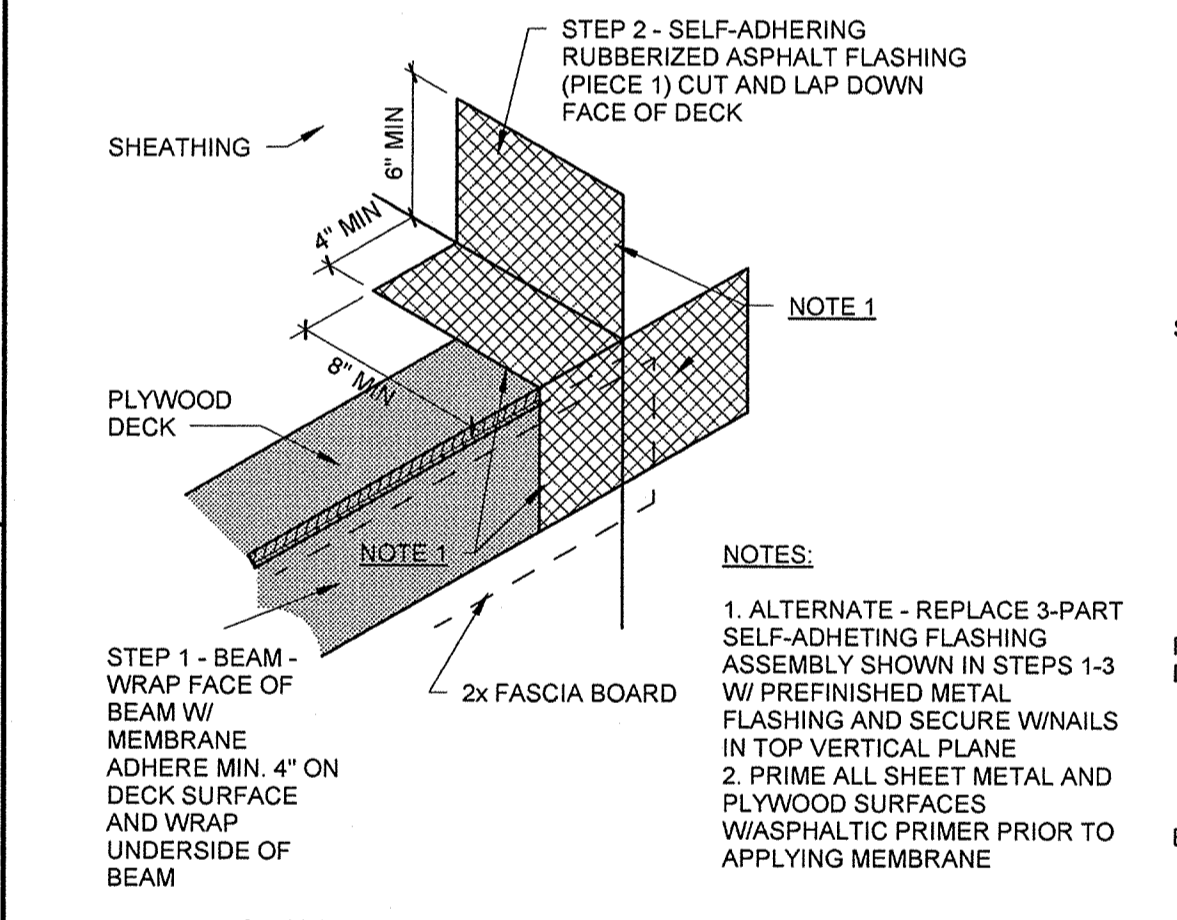
**D9 DECK EDGE AT INSIDE CORNER DETAIL**  
3" = 1'-0"



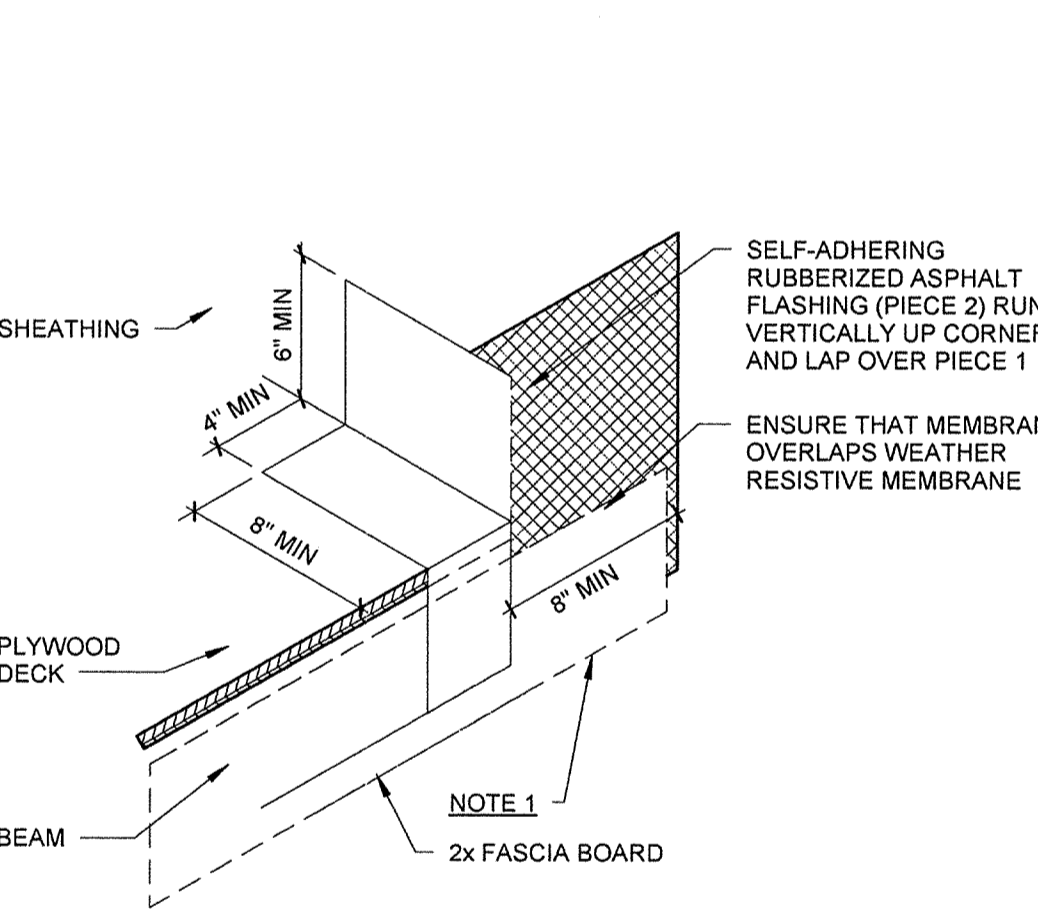
**E1 ENLARGED BALC EDGE SECTION**  
3" = 1'-0"



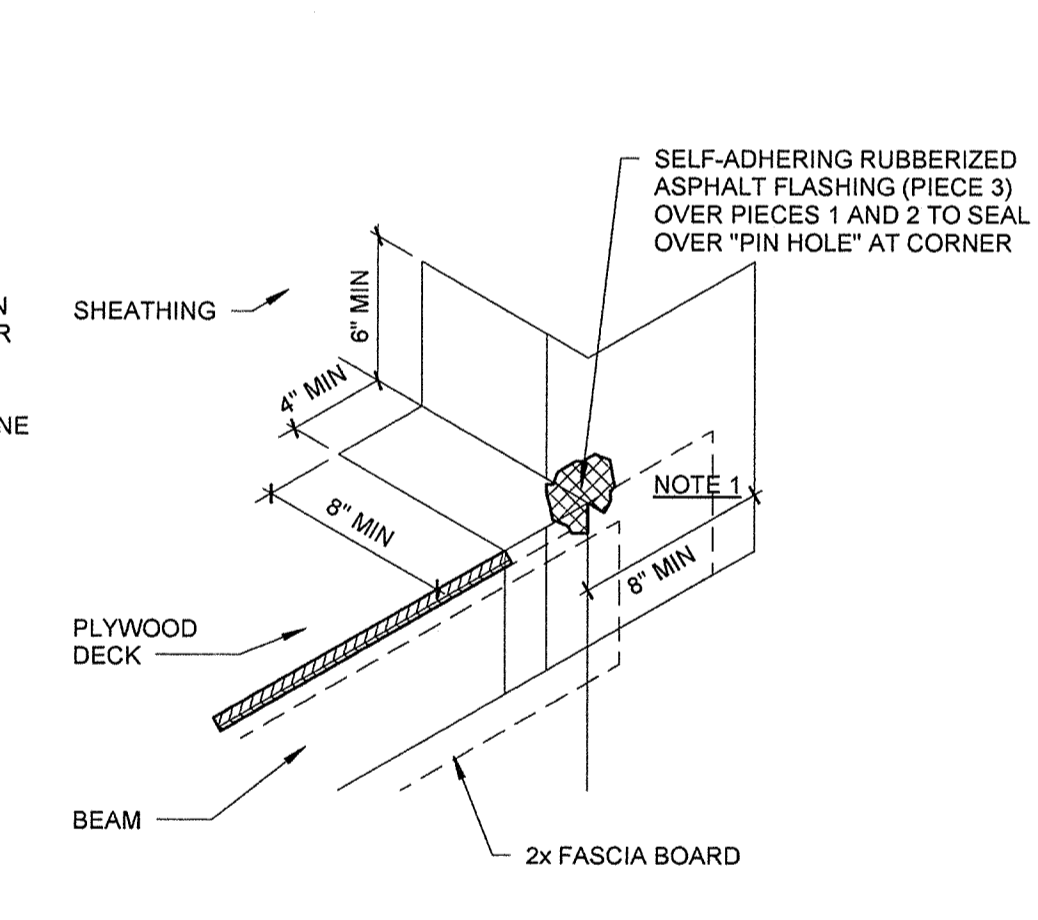
**H1 BALCONY FLASHING ISOMETRIC**  
1:5



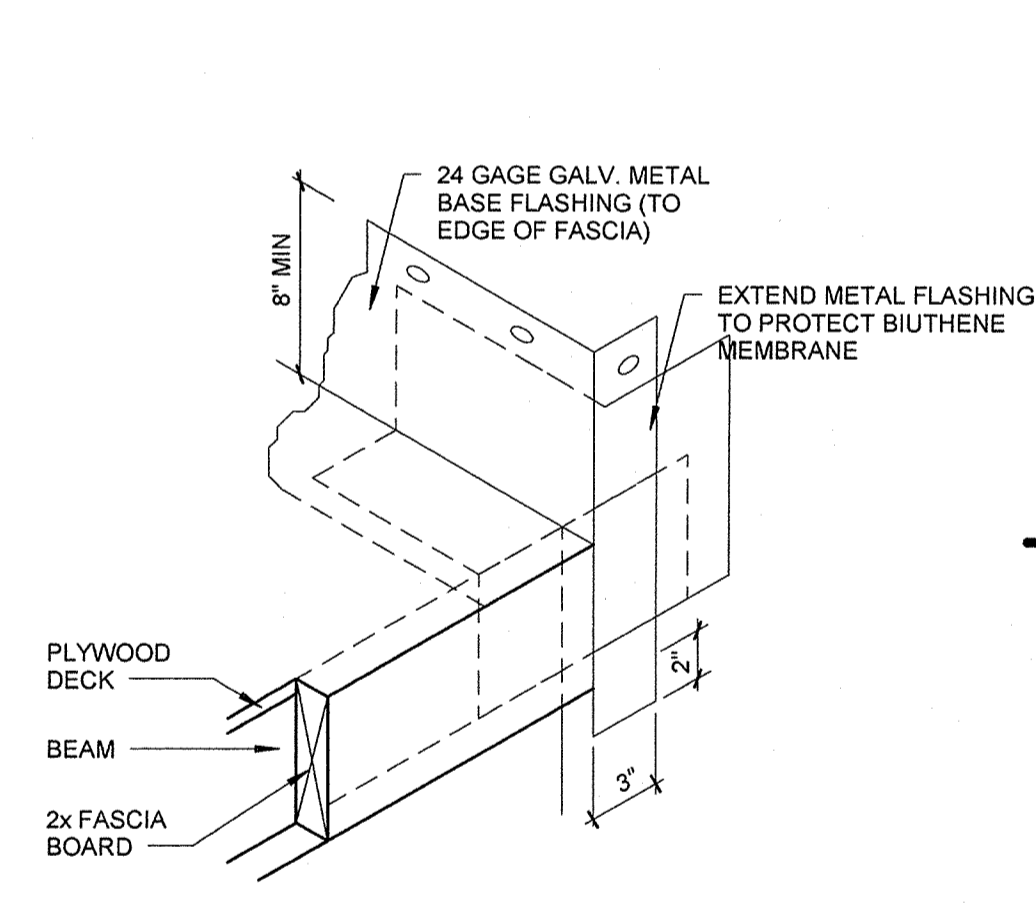
**F3 WATERPROOFING STEP 1**  
1 1/2" = 1'-0"



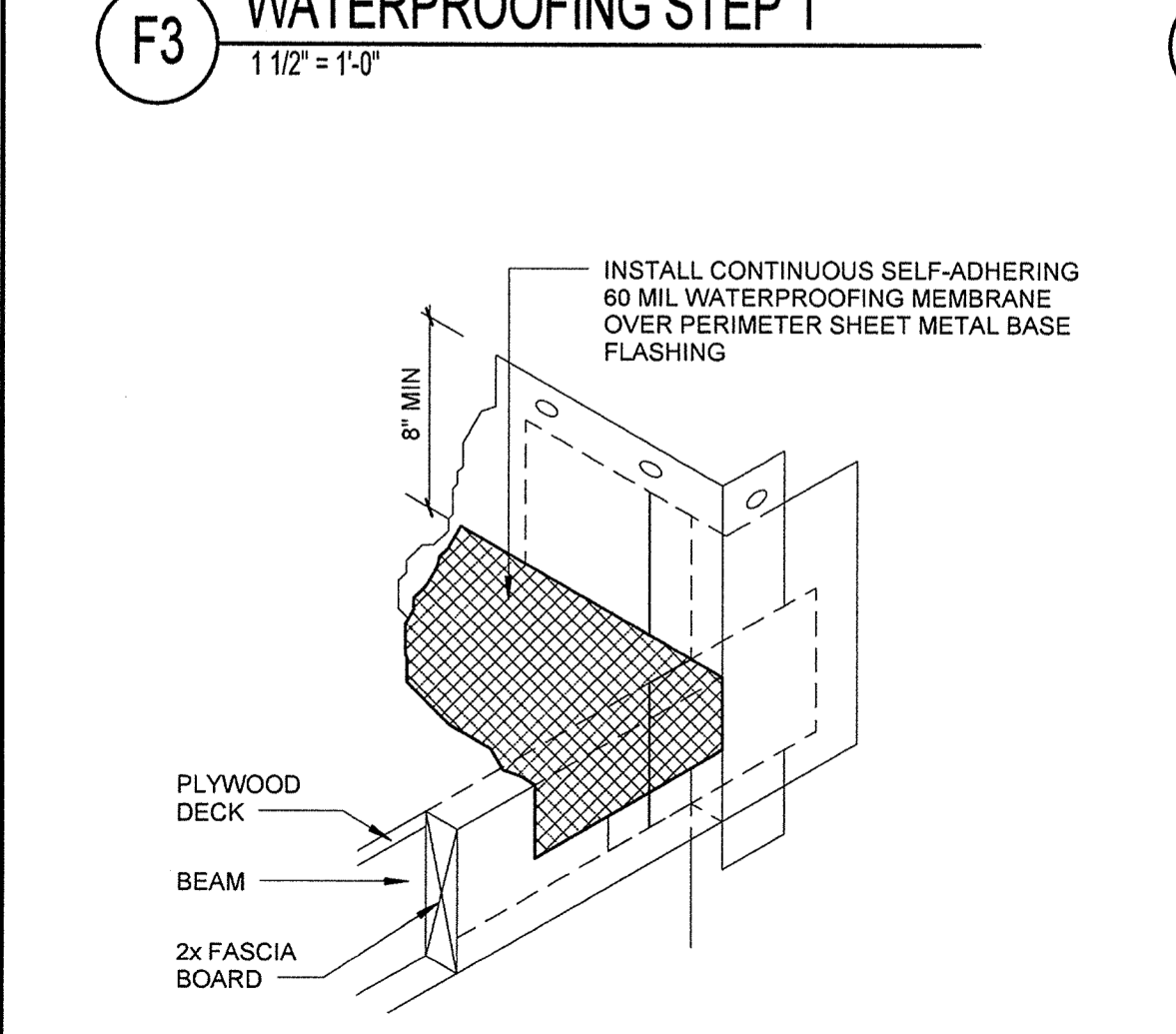
**F5 WATERPROOFING STEP 2**  
1 1/2" = 1'-0"



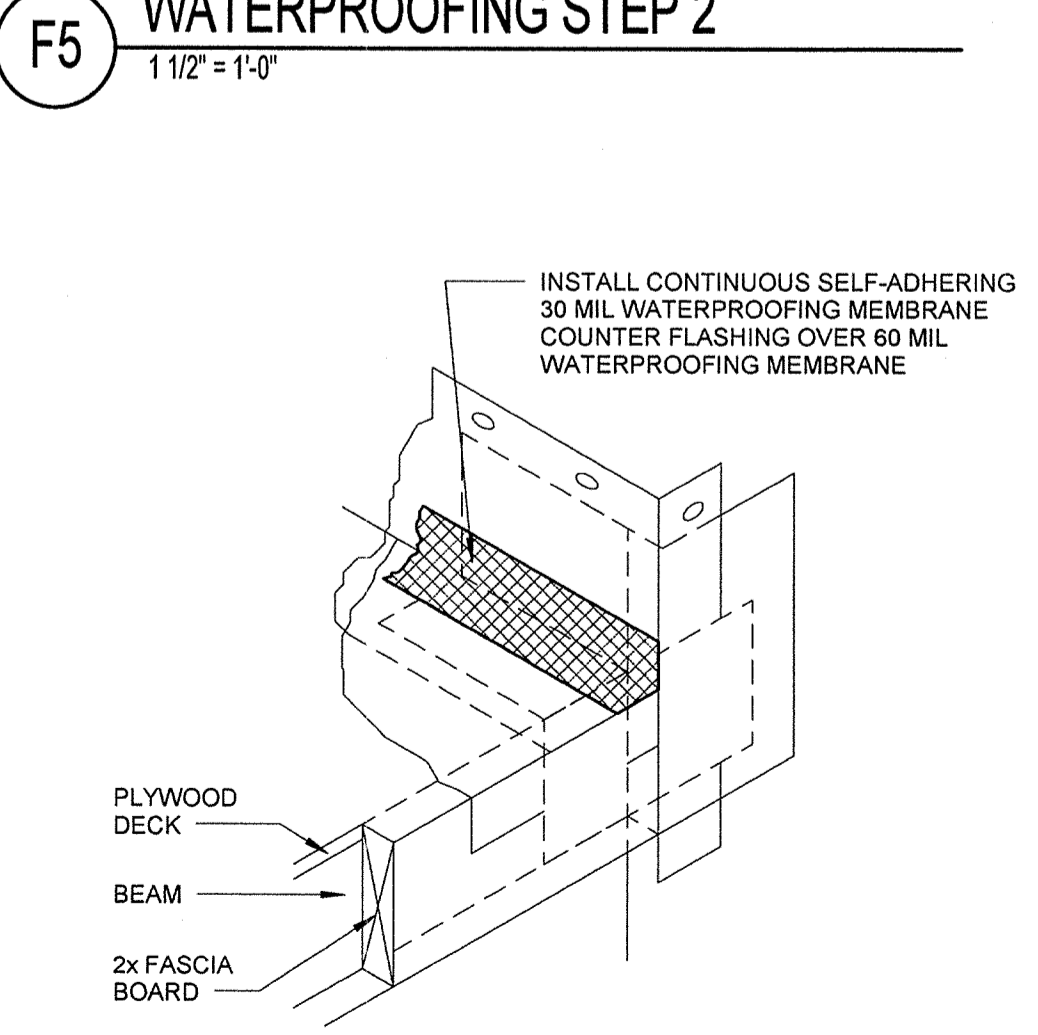
**F7 WATERPROOFING STEP 3**  
1 1/2" = 1'-0"



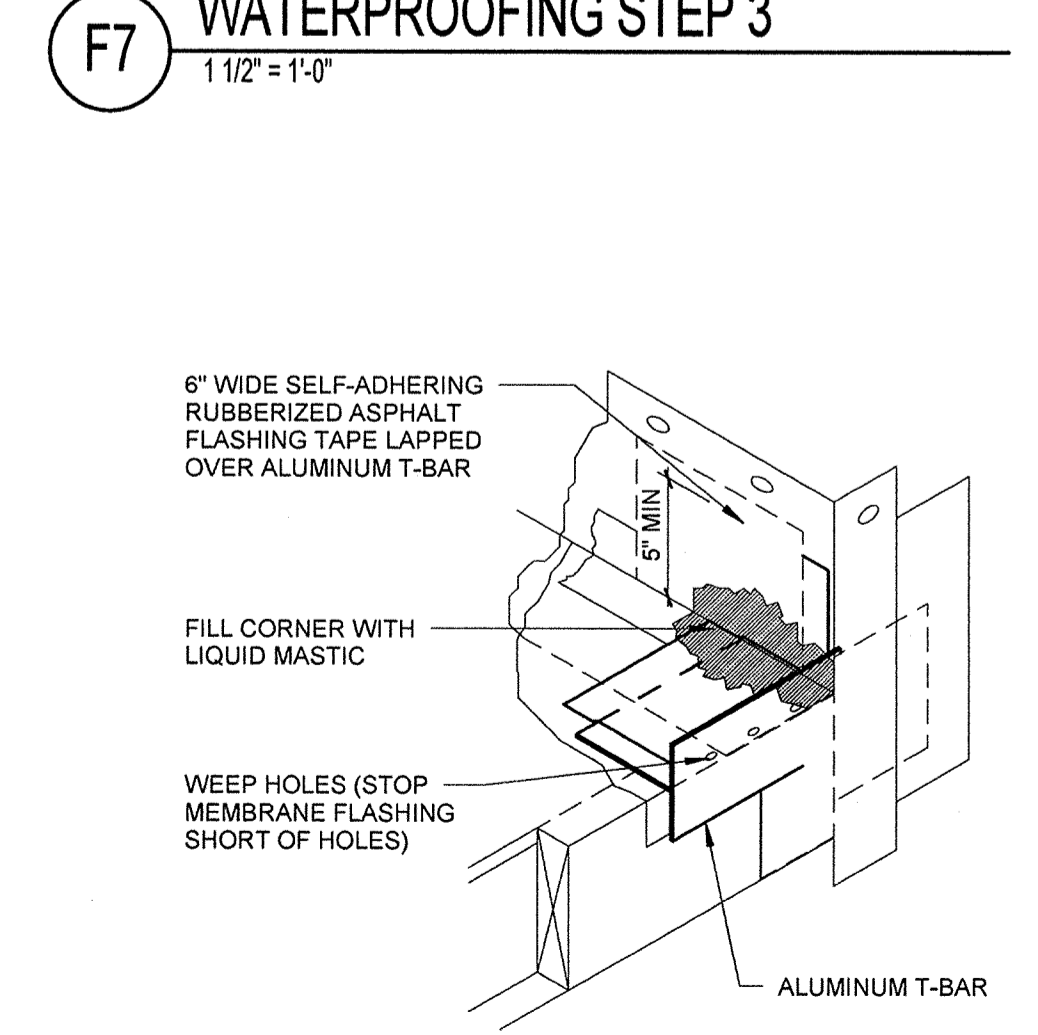
**F9 WATERPROOFING STEP 4**  
1 1/2" = 1'-0"



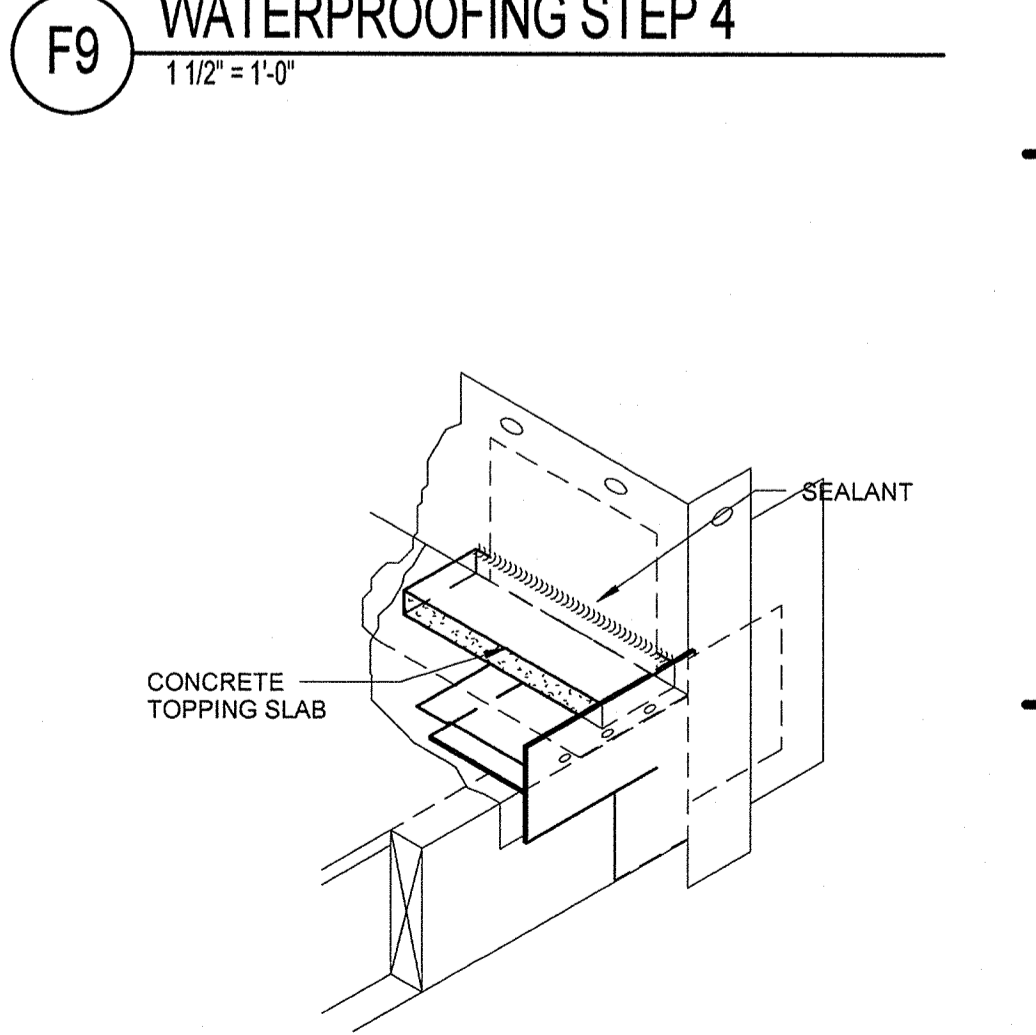
**H3 WATERPROOFING STEP 5**  
1 1/2" = 1'-0"



**H5 WATERPROOFING STEP 6**  
1 1/2" = 1'-0"



**H7 WATERPROOFING STEP 7**  
1 1/2" = 1'-0"



**H9 WATERPROOFING STEP 8**  
1 1/2" = 1'-0"

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No.	Date	Description

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PLLC

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www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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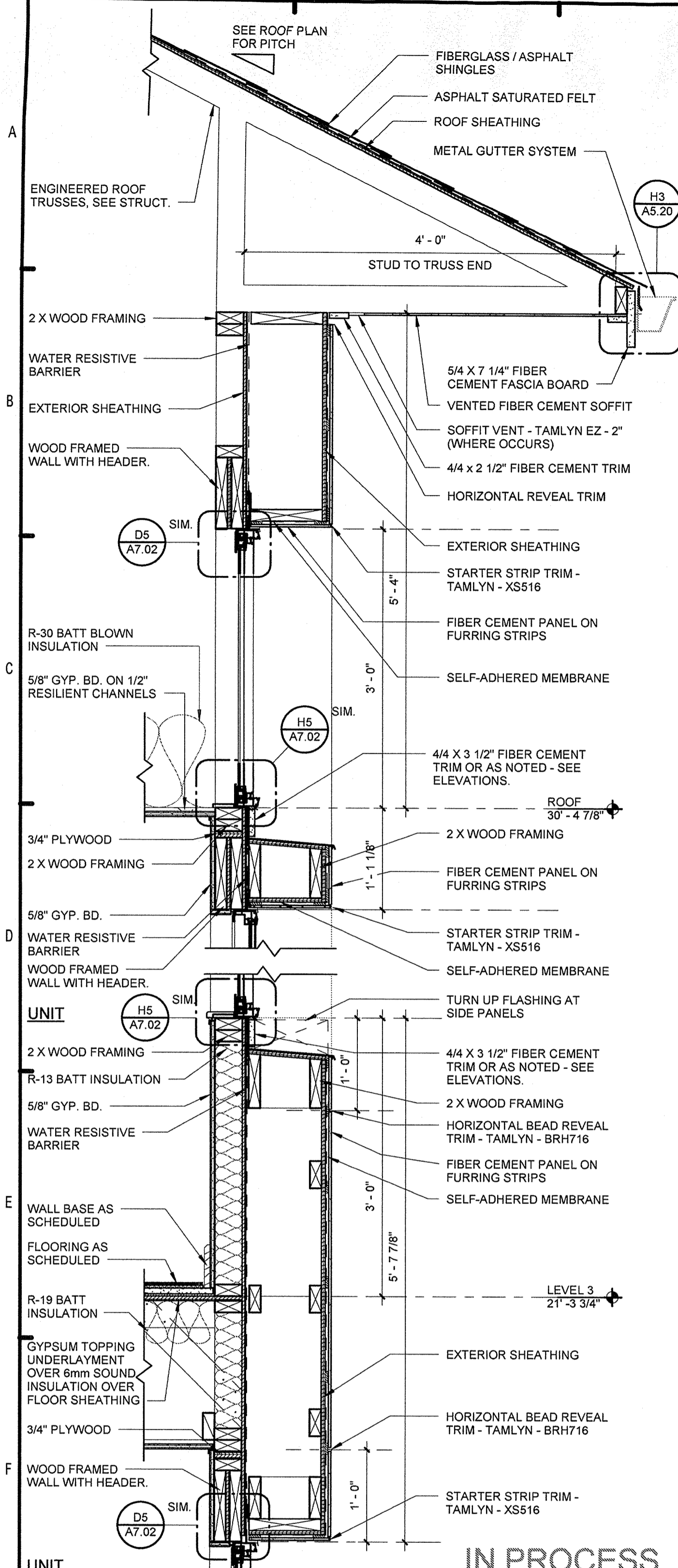
**SUMMER BAY APARTMENTS**  
Lake County, FL

**BALCONY WATERPROOFING DETAILS** A5.14

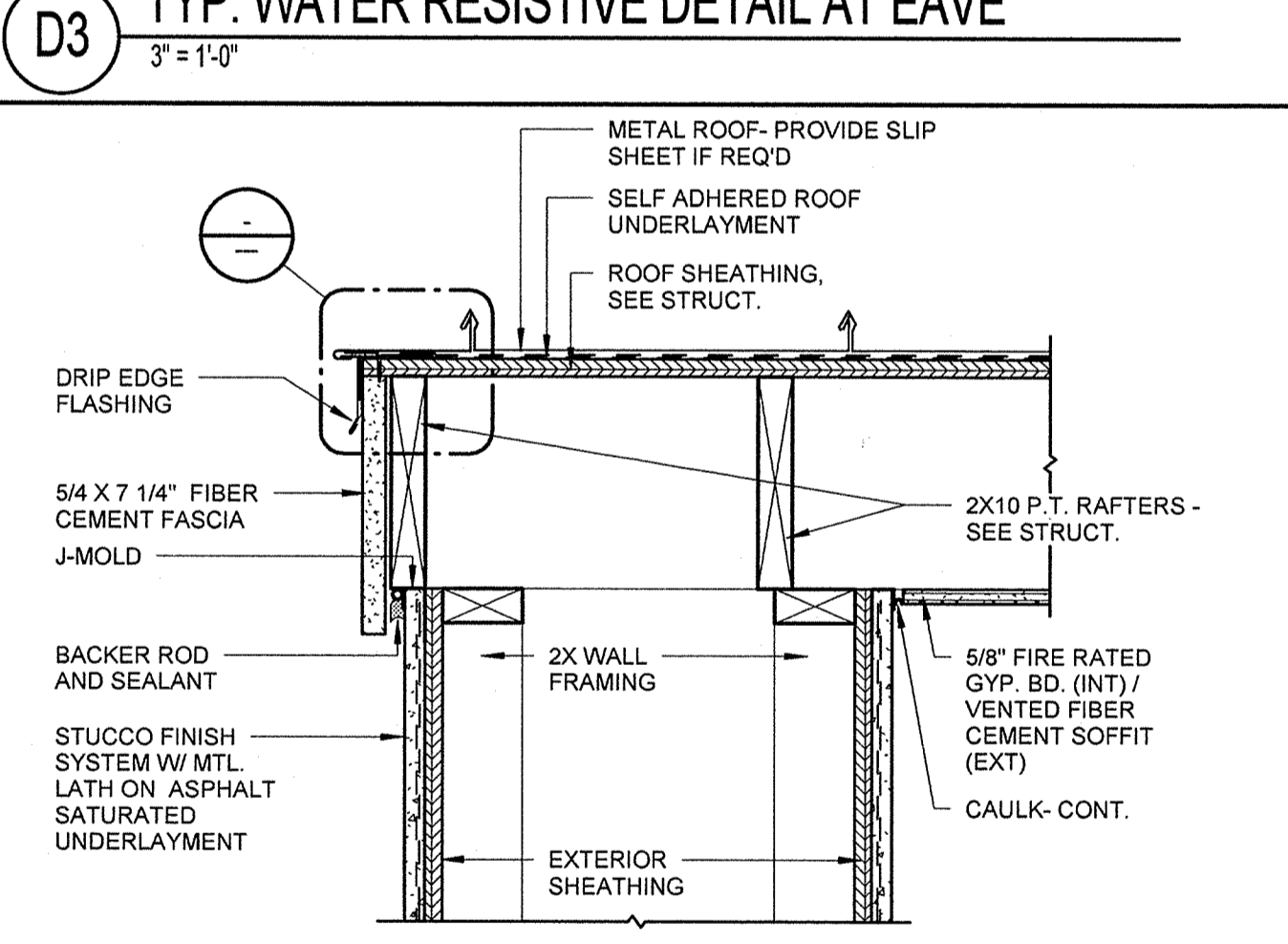
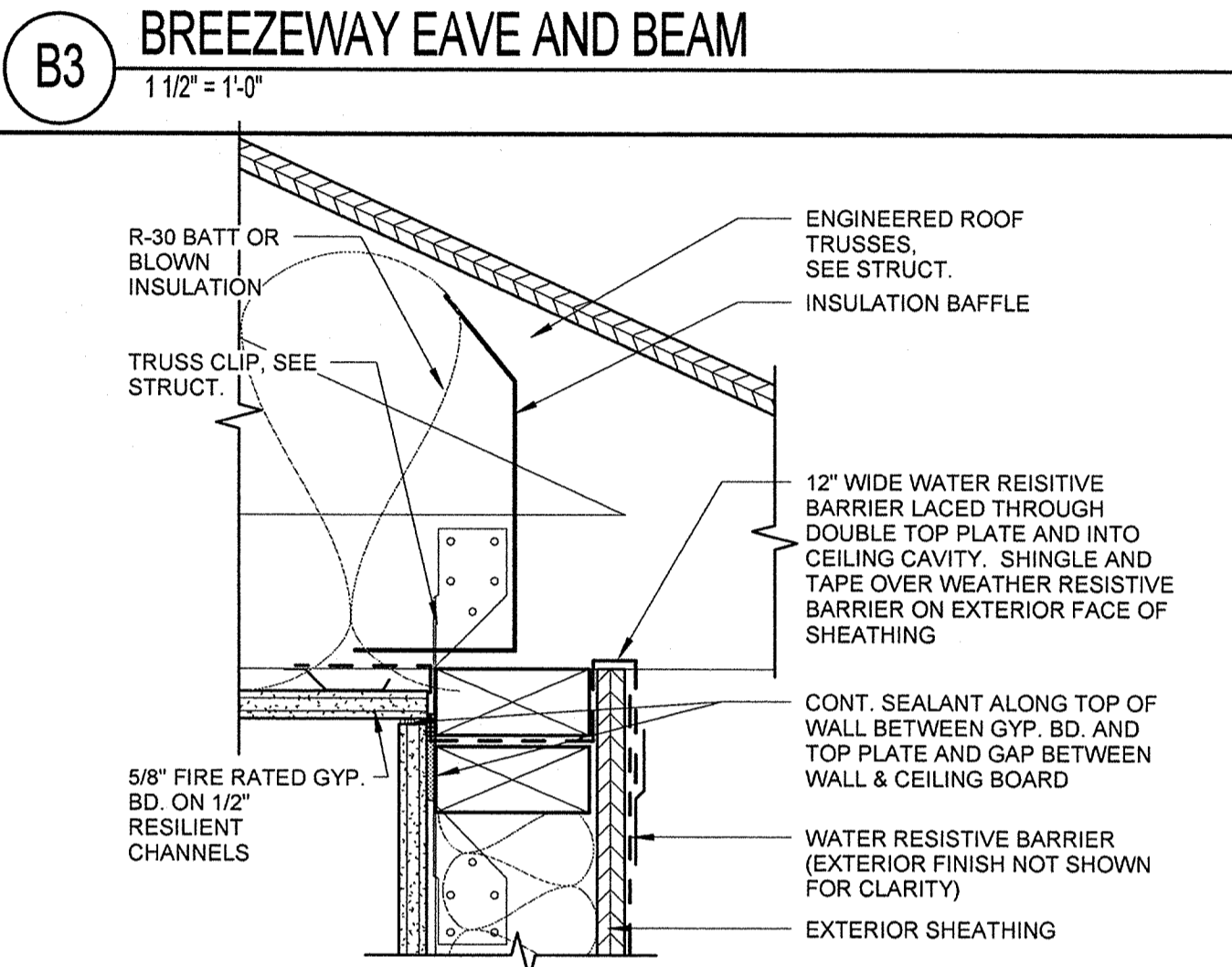
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Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5169

KEN LINEHAN  
FLORIDA LICENSE # AR0017395

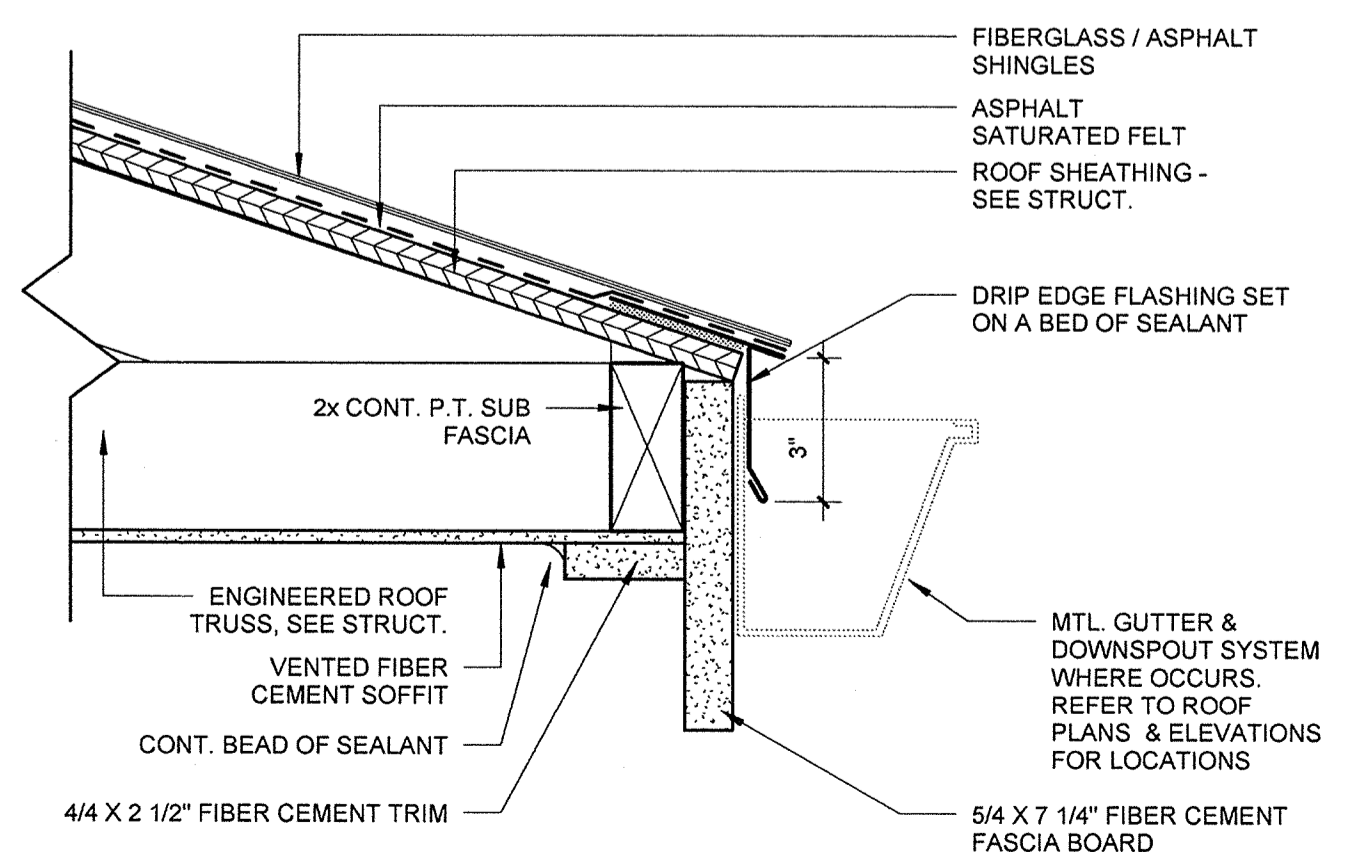
2013/11/15



**F1** ROOF EAVE SECTION AT BUILD OUT  
1" = 1'-0" H4/A4.06



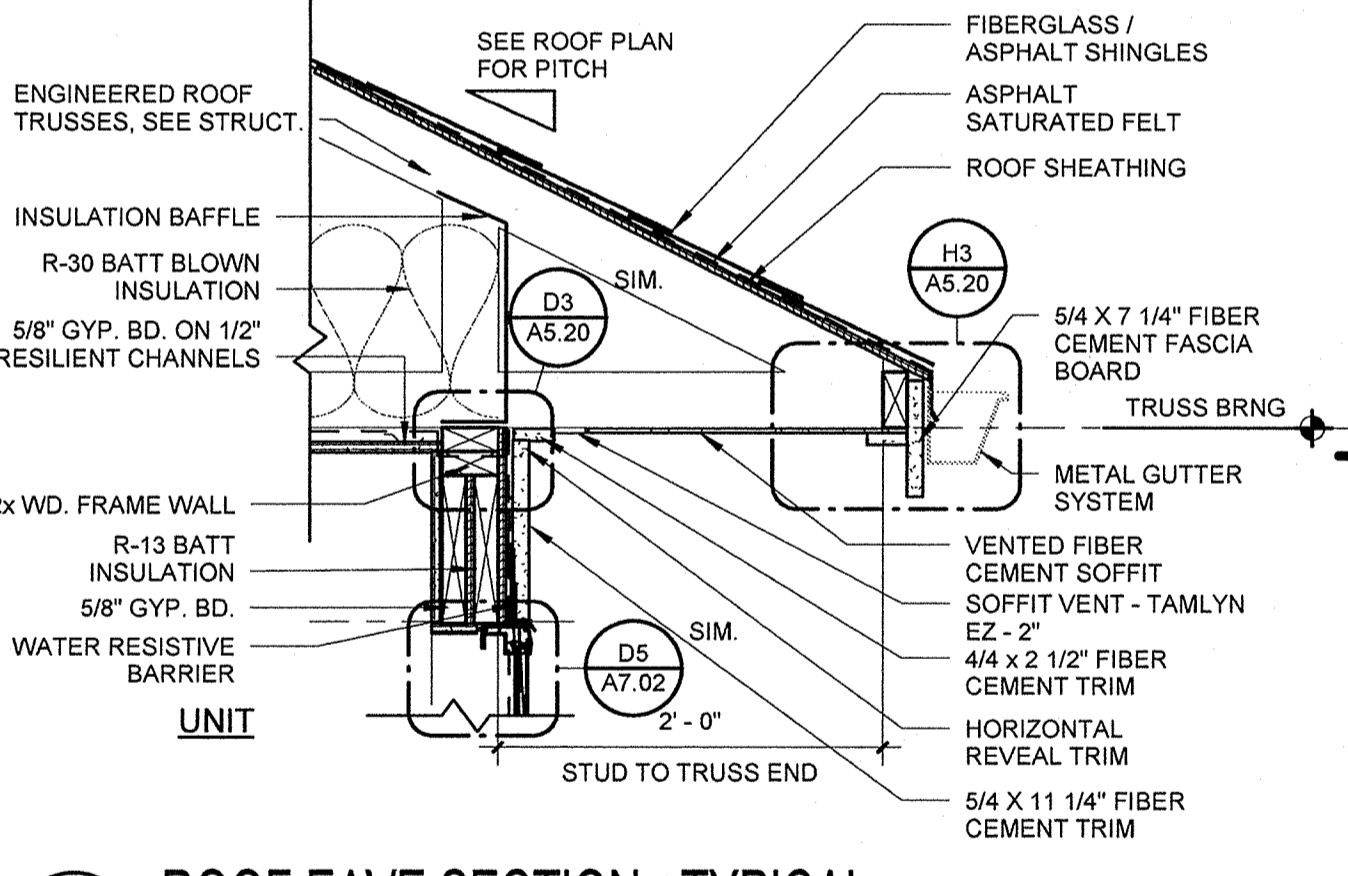
**F3** RAKE EDGE DETAIL AT ENTRY  
1 1/2" = 1'-0"



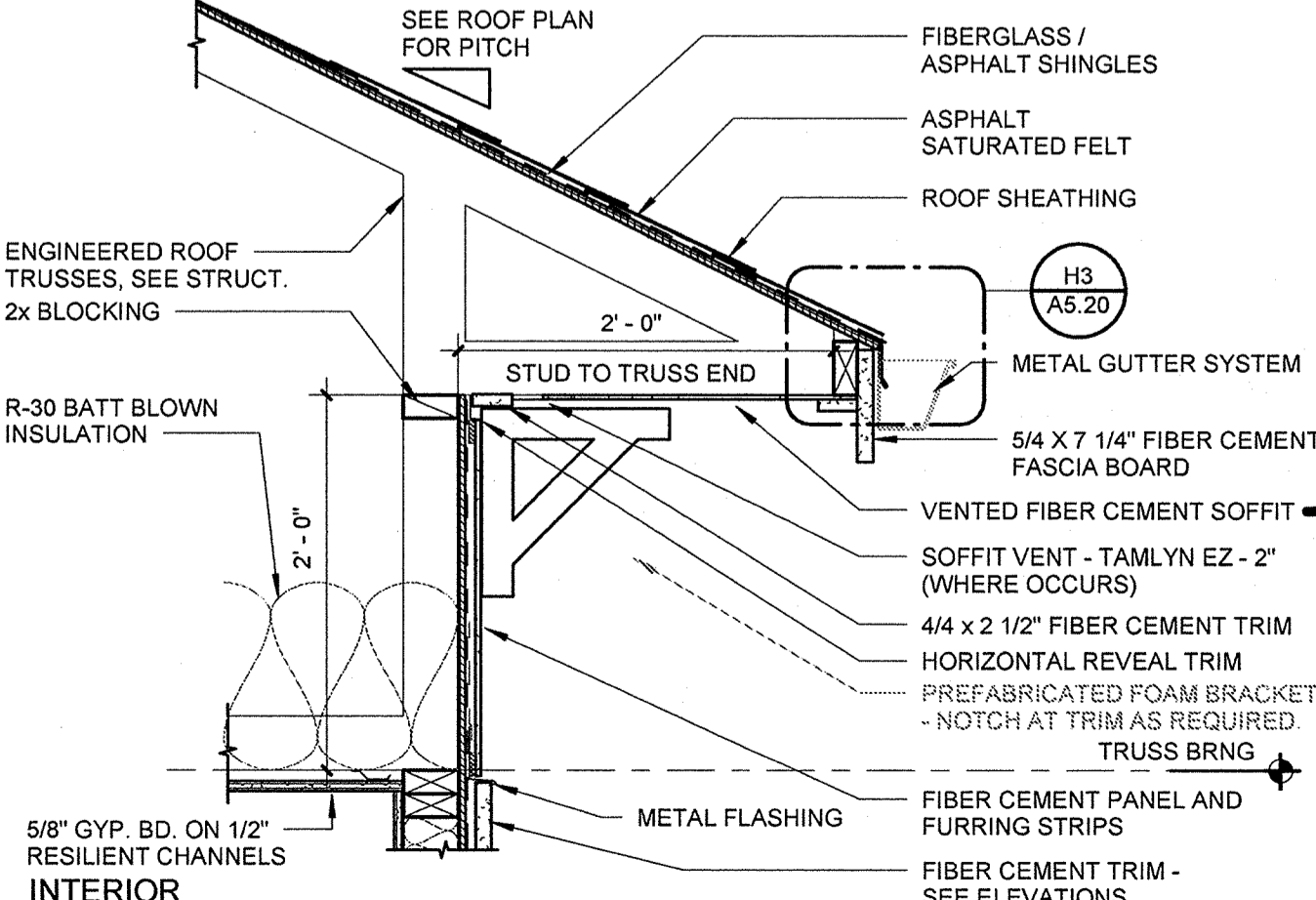
**H3** DRIP EDGE FLASHING DETAIL - TYP.  
3" = 1'-0" H6/A5.05

**B3** BREEZEWAY EAVE AND BEAM  
1 1/2" = 1'-0"

**B8** ROOF EAVE SECTION AT BALCONY  
1" = 1'-0" H1/A4.04



**F8** ROOF EAVE SECTION - TYPICAL  
1" = 1'-0" C2/A5.02



**2** ROOF EAVE SECTION - 2'-0" HEEL  
1" = 1'-0" H1/A4.04

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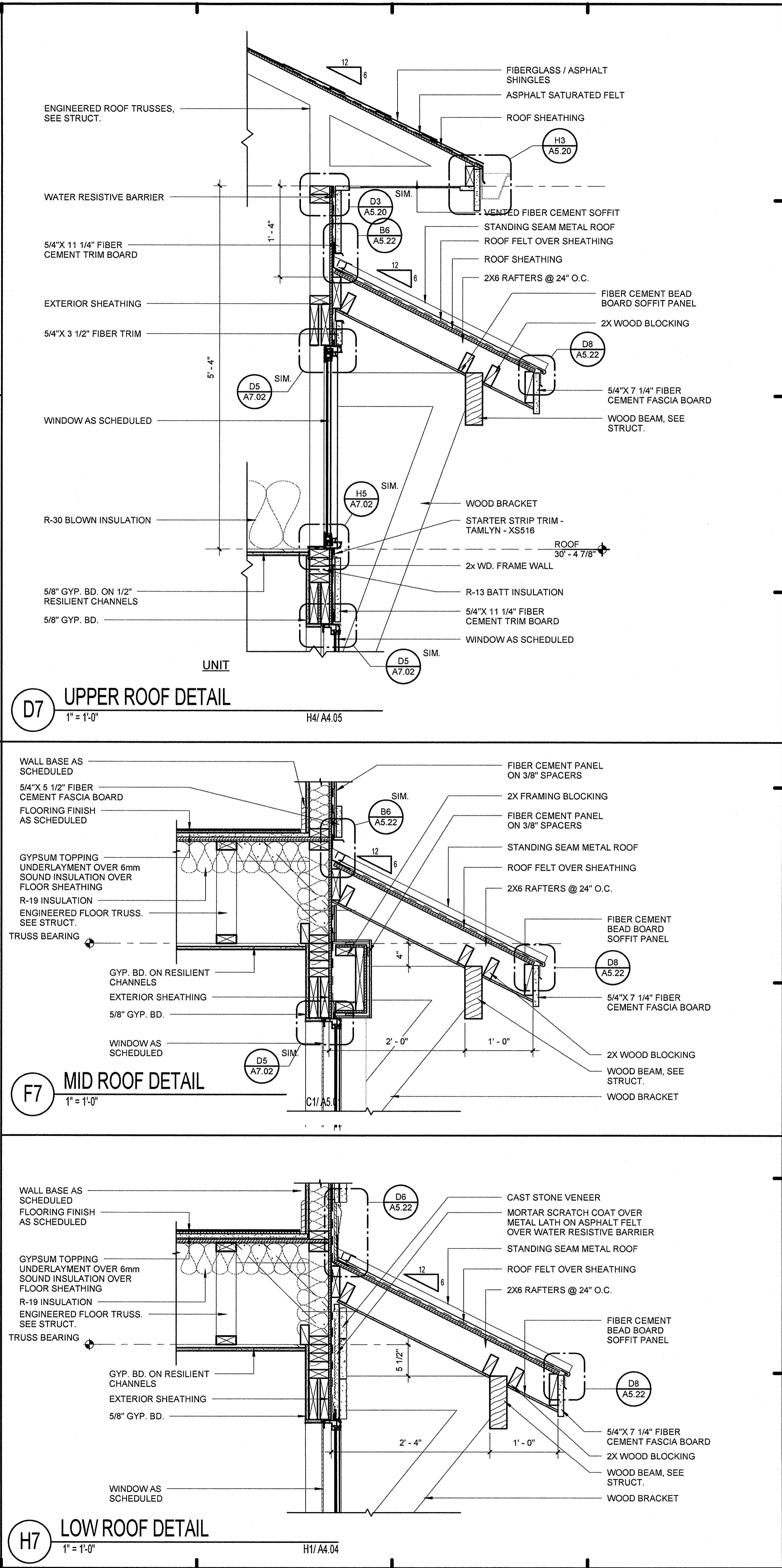
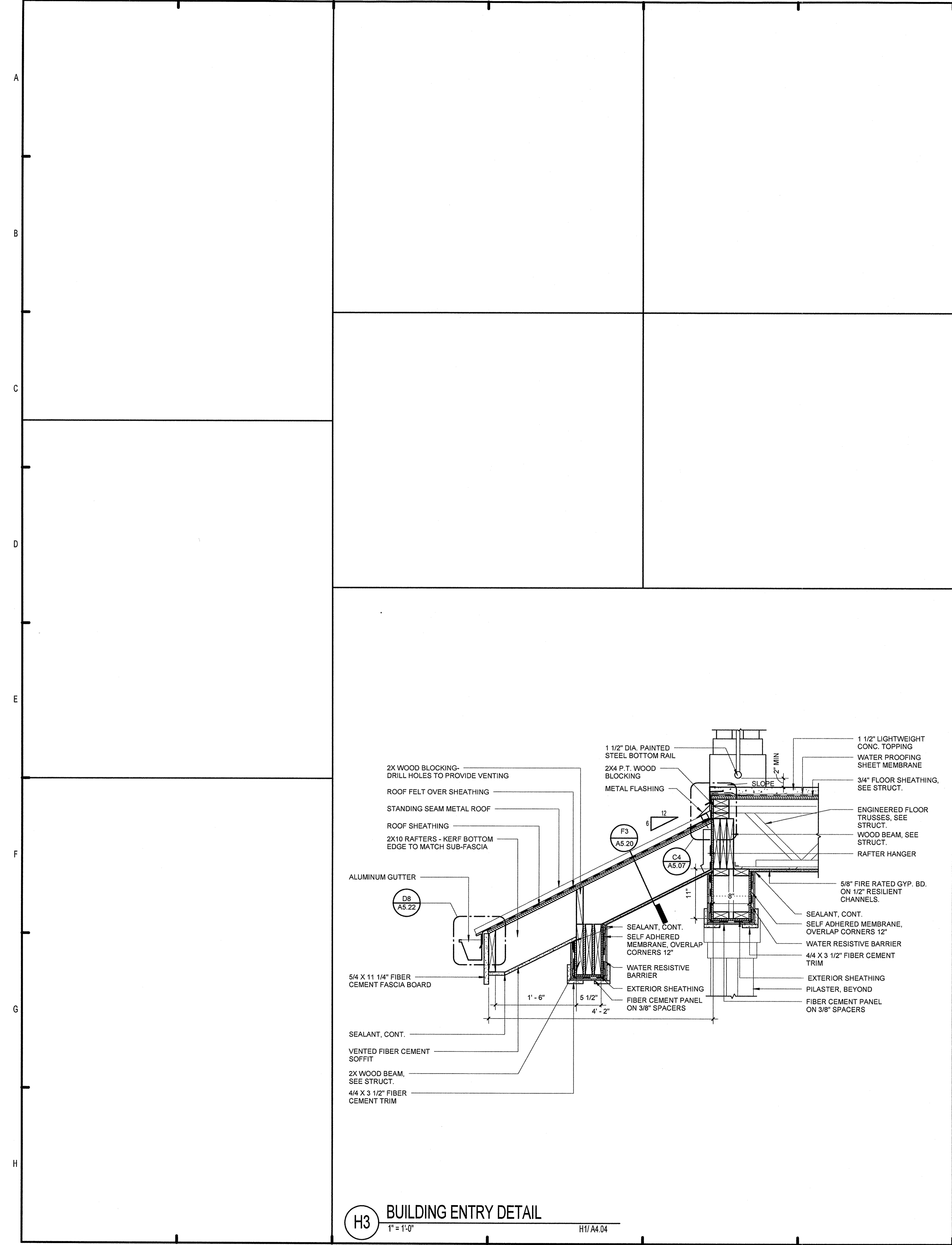
**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
Lake County, FL

**EAVE DETAILS**  
A5.20

KEN LINEMAN  
FLORIDA LICENSE # AR017385



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Lake County, FL

**ROOF DETAILS**

**A5.21**

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**HEN LIMEHAN**  
FLORIDA LICENSE # AA0017385

**11/15/2013**

**12:45:43 PM**

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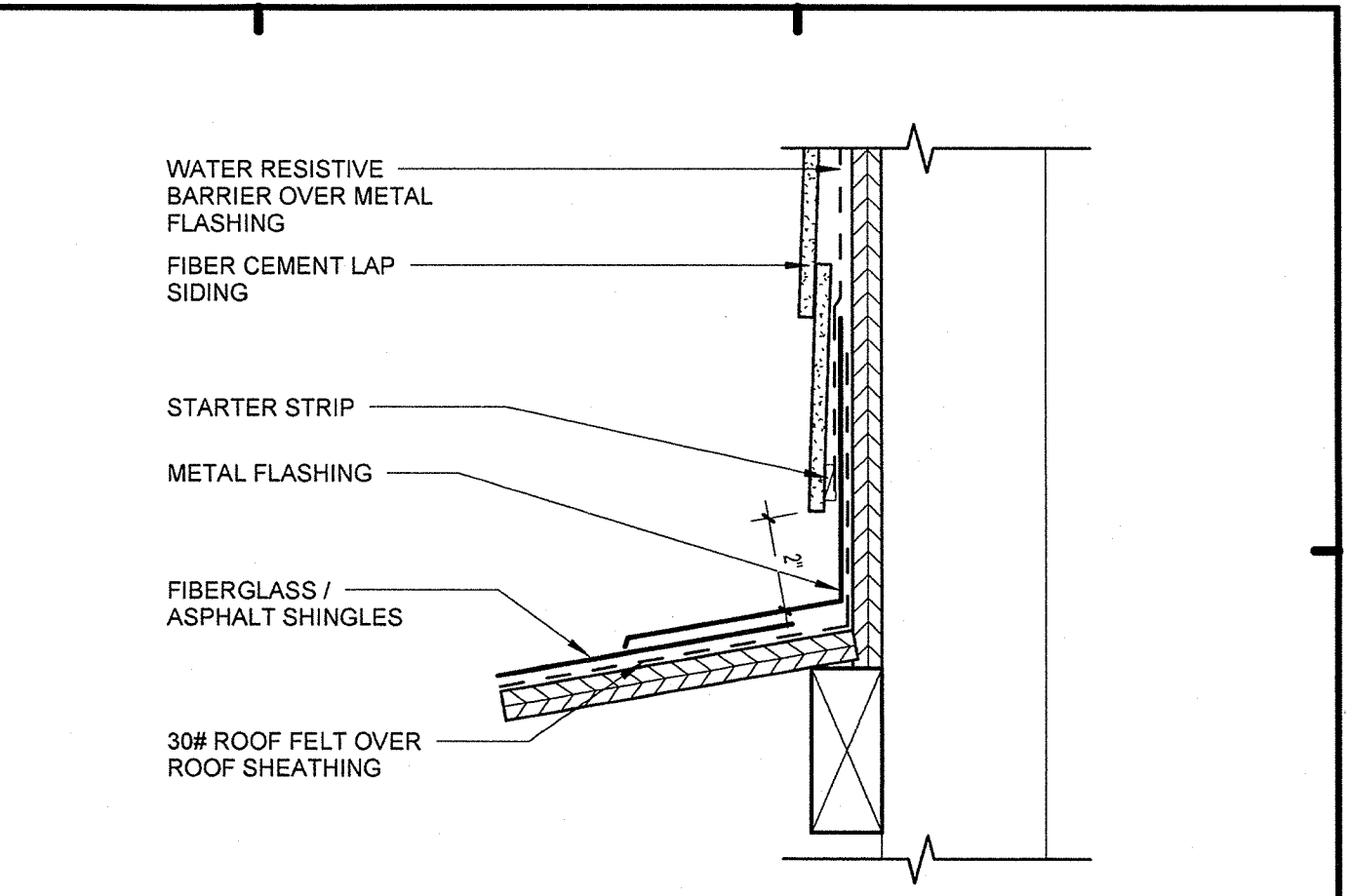
ROOF DETAILS

Drawn: KP  
Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5159

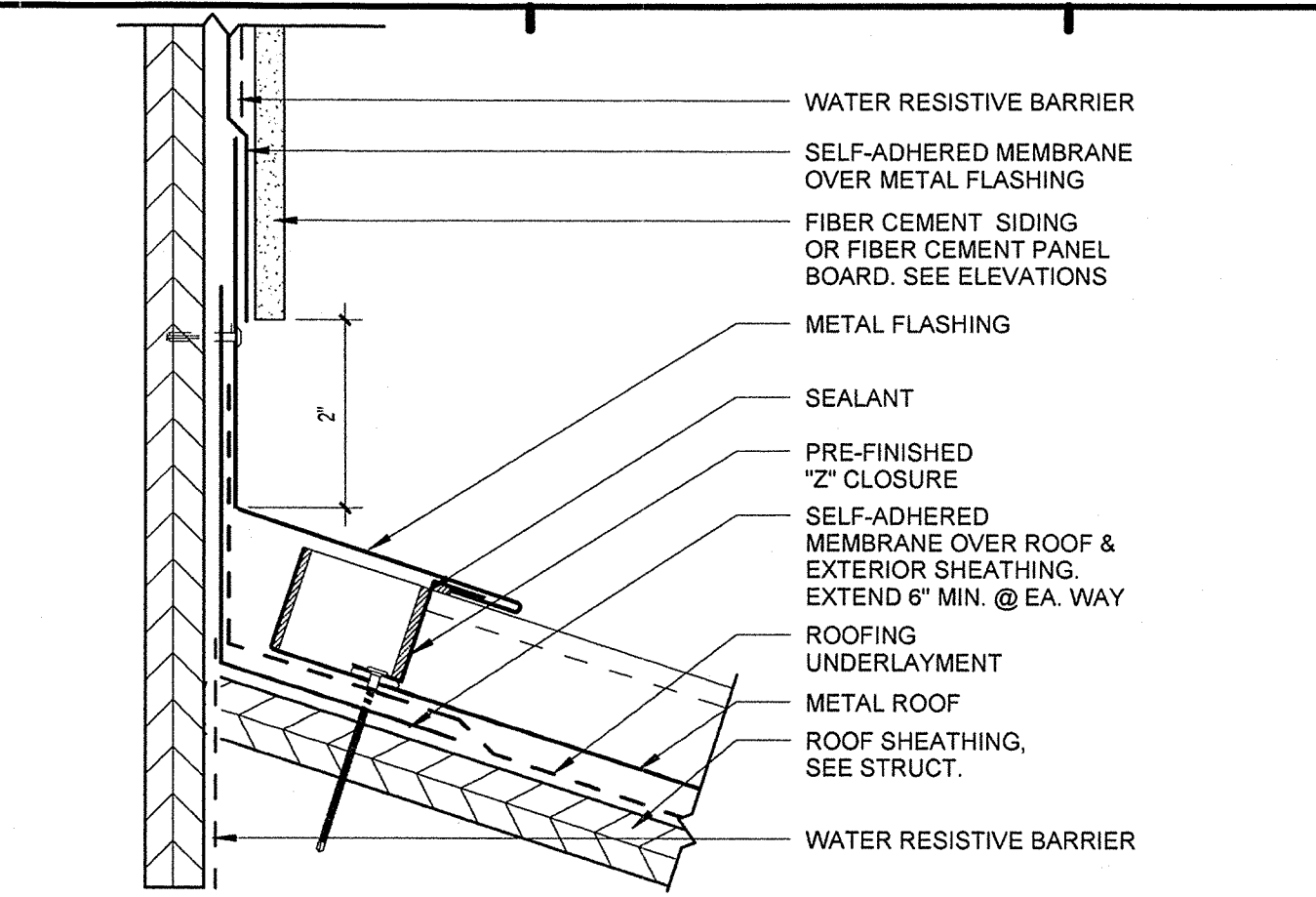
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KEN LINDEMAN  
FLORIDA LICENSE # AR0017385

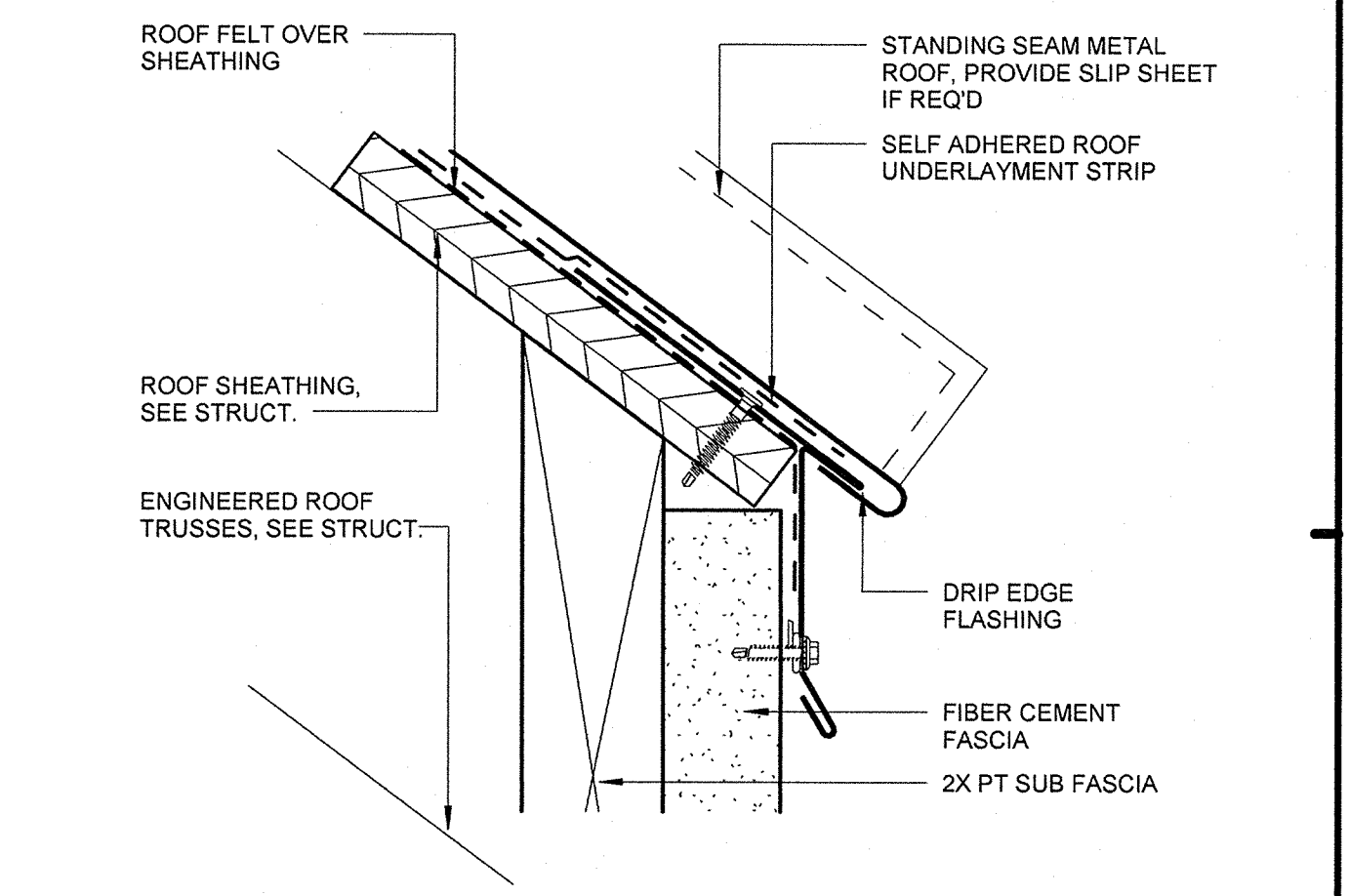
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2013.11.15



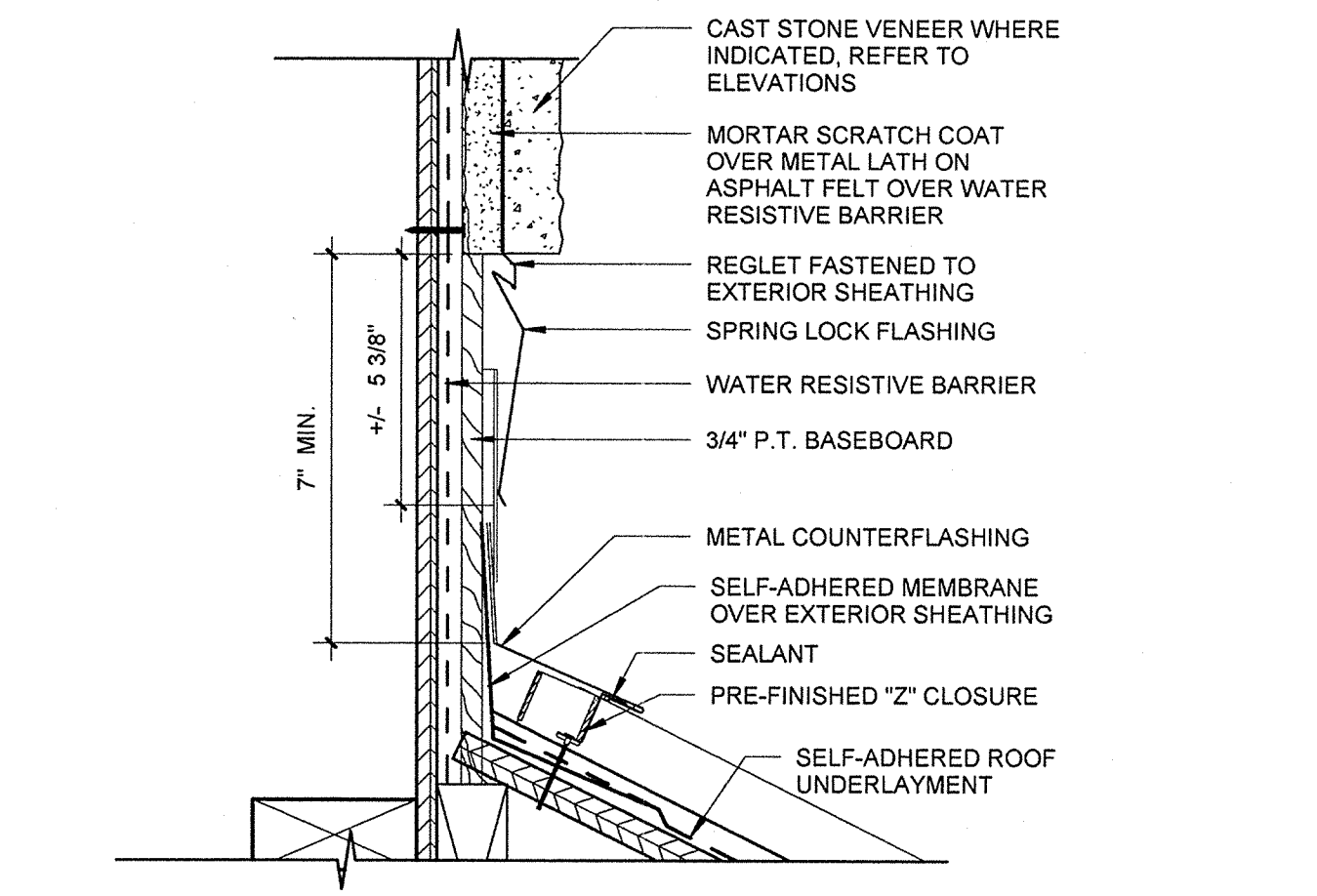
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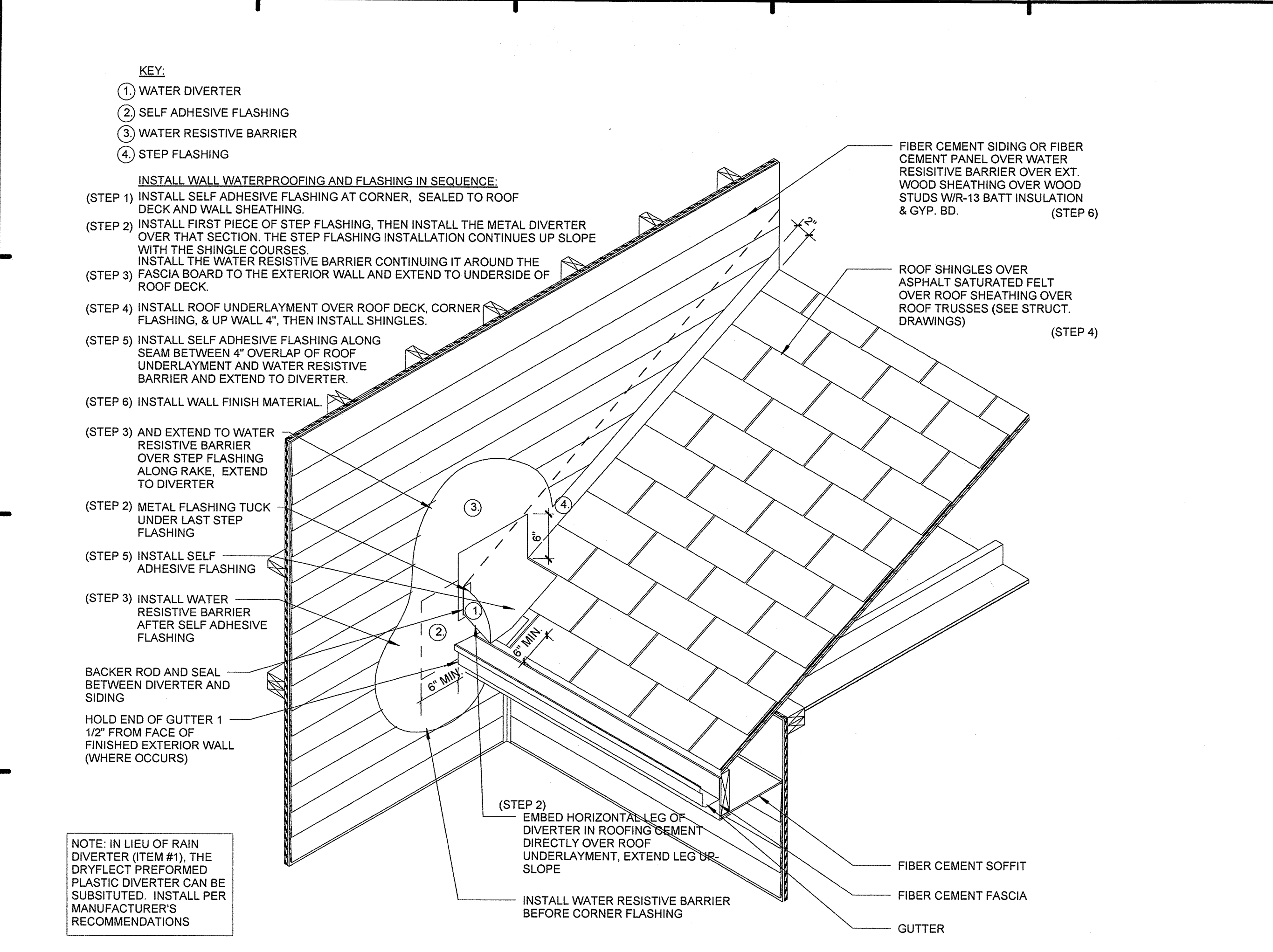
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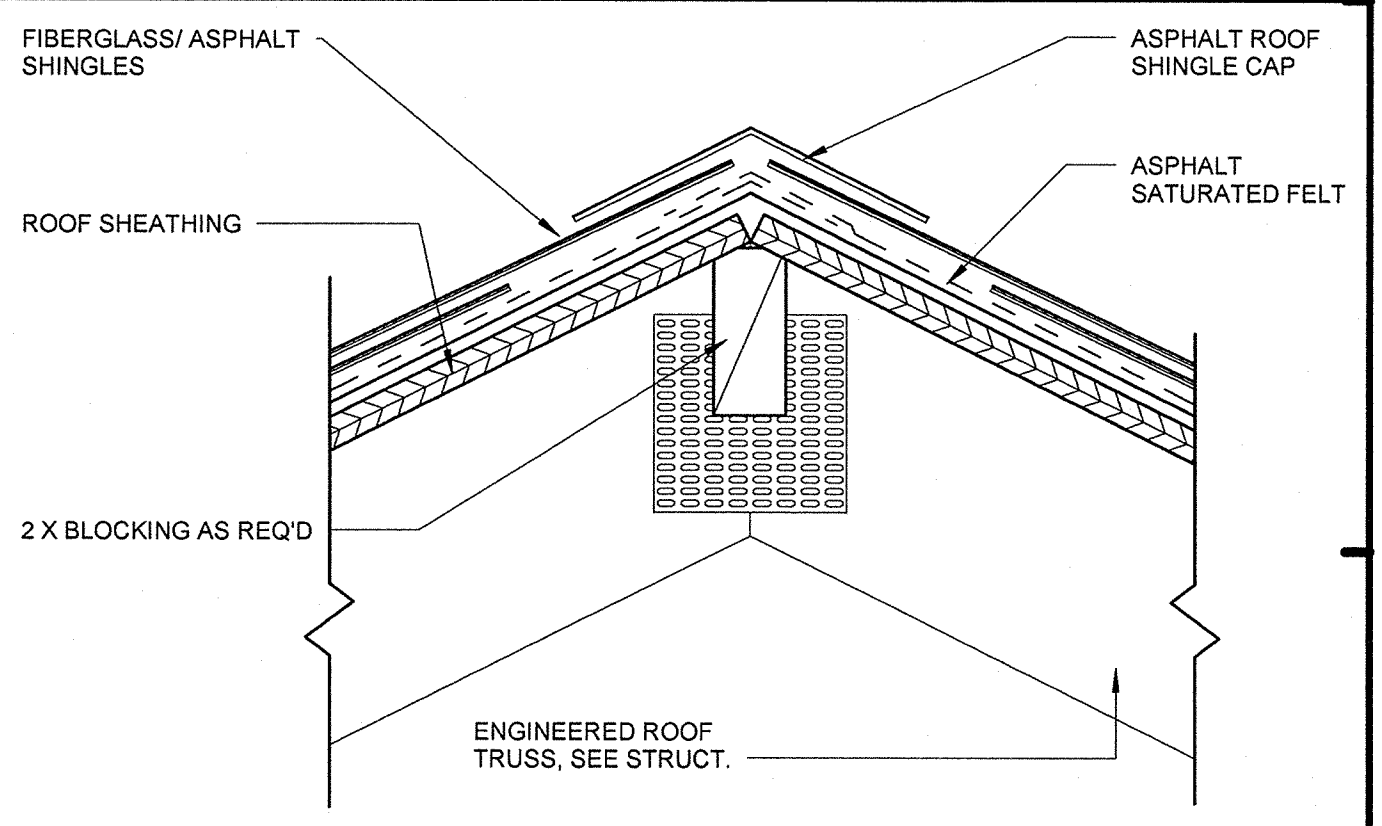
D8 ROOF EAVE FLASHING DETAIL  
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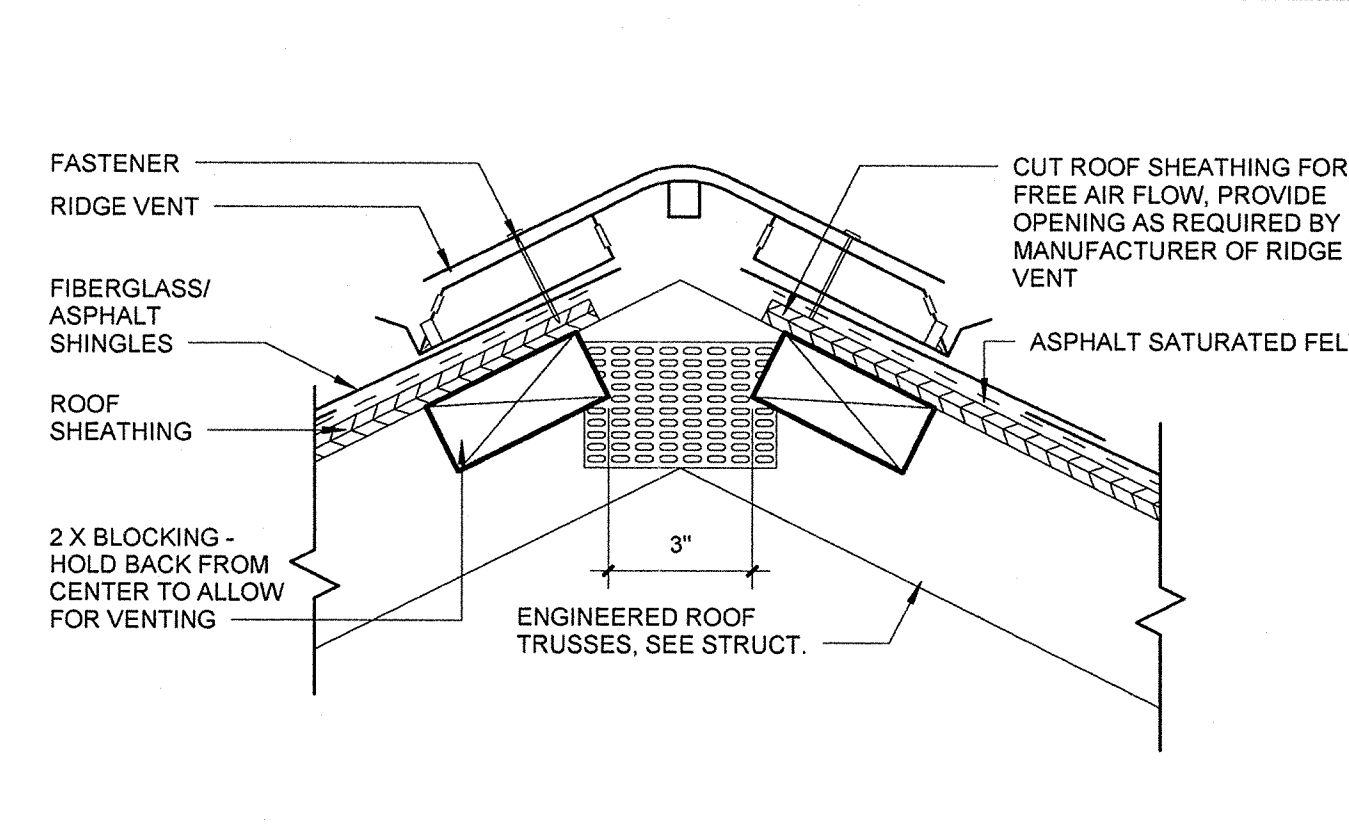
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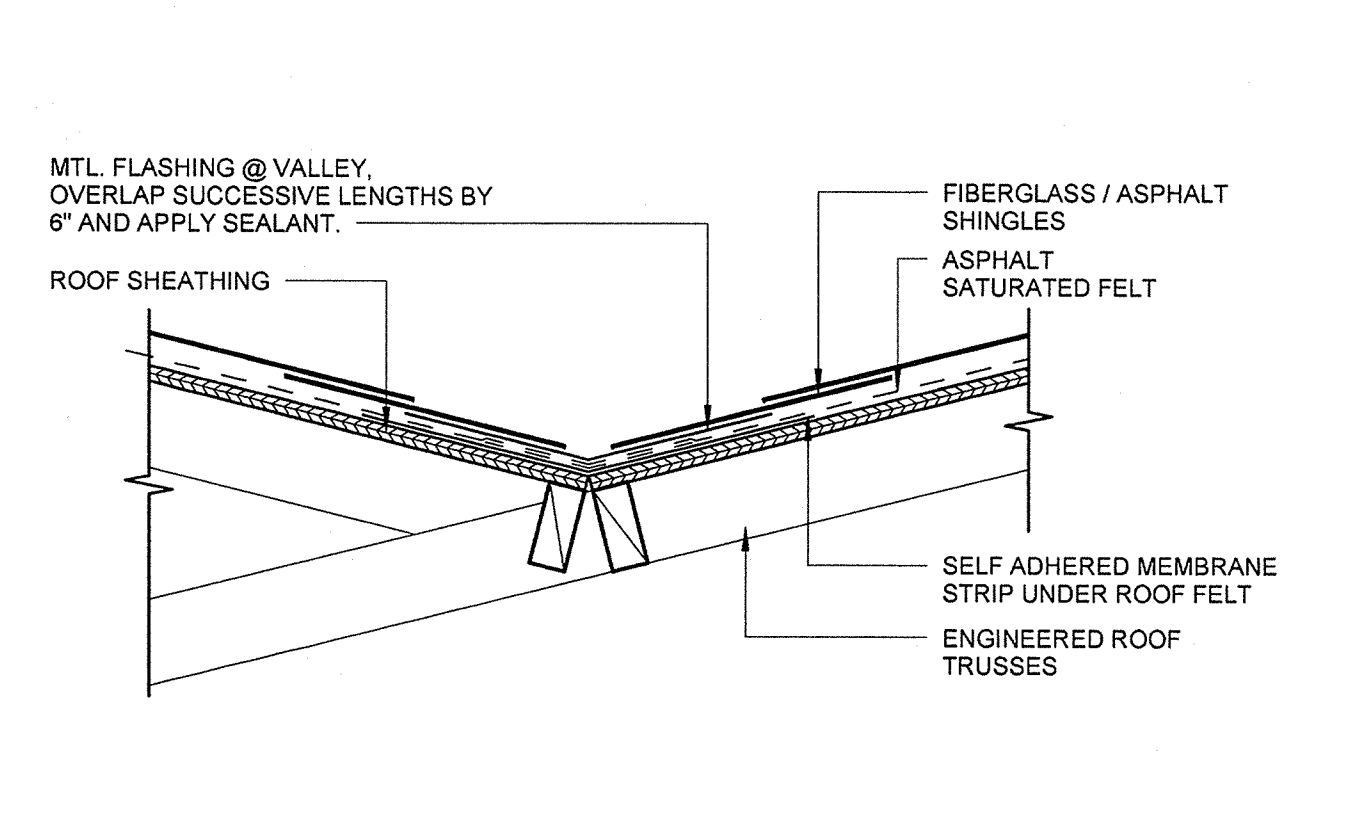
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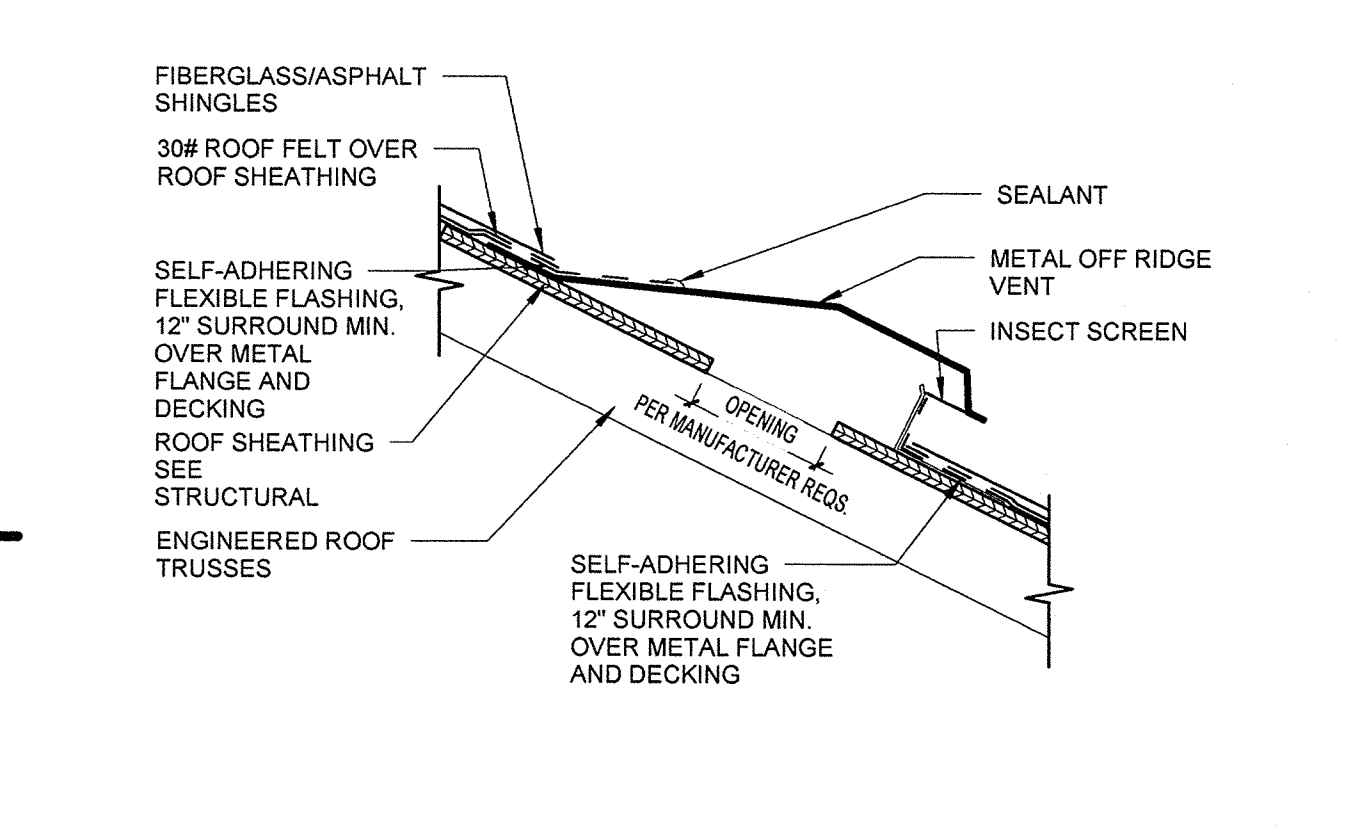
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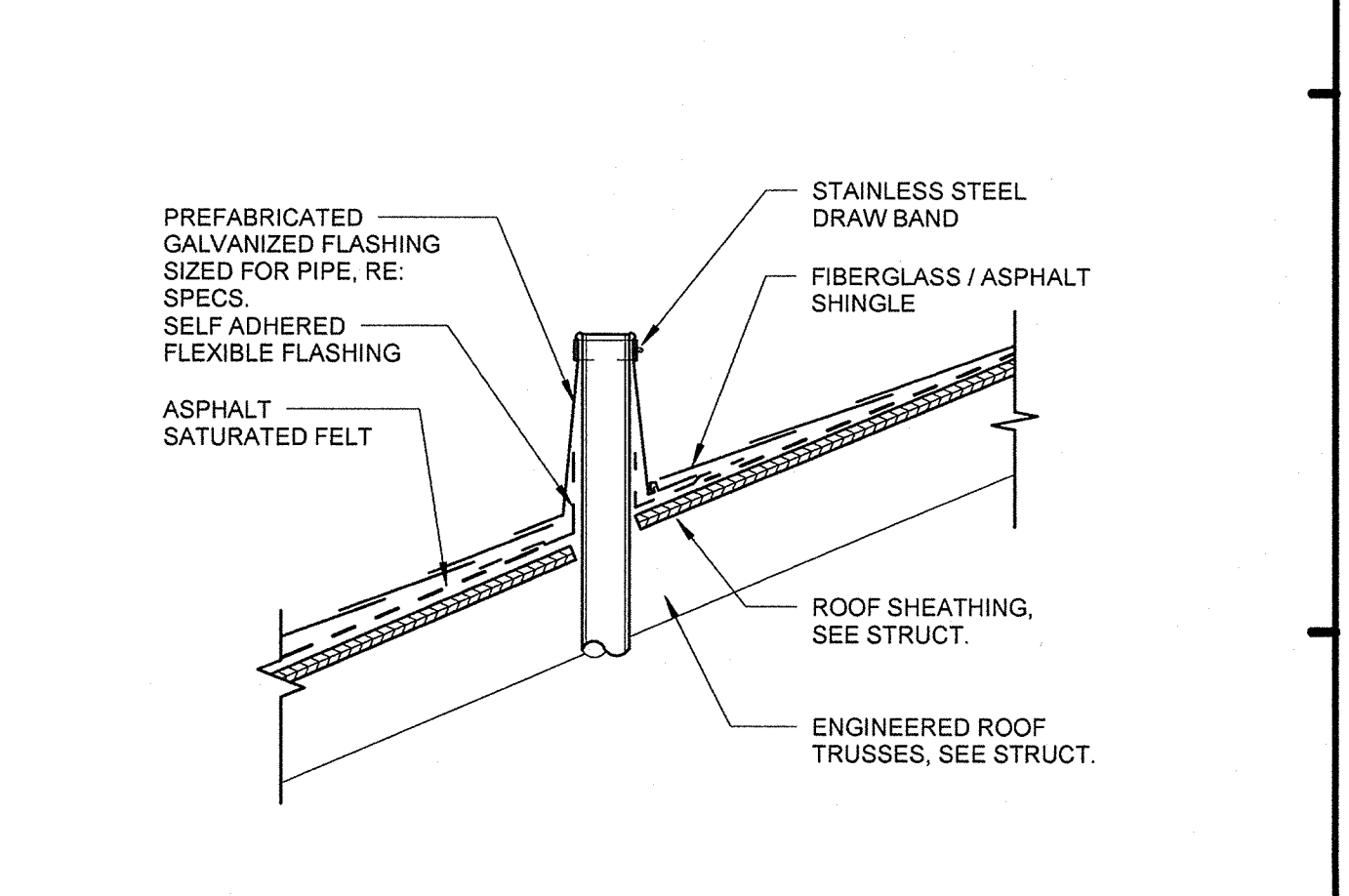
F6 RIDGE VENT - SHINGLE ROOF  
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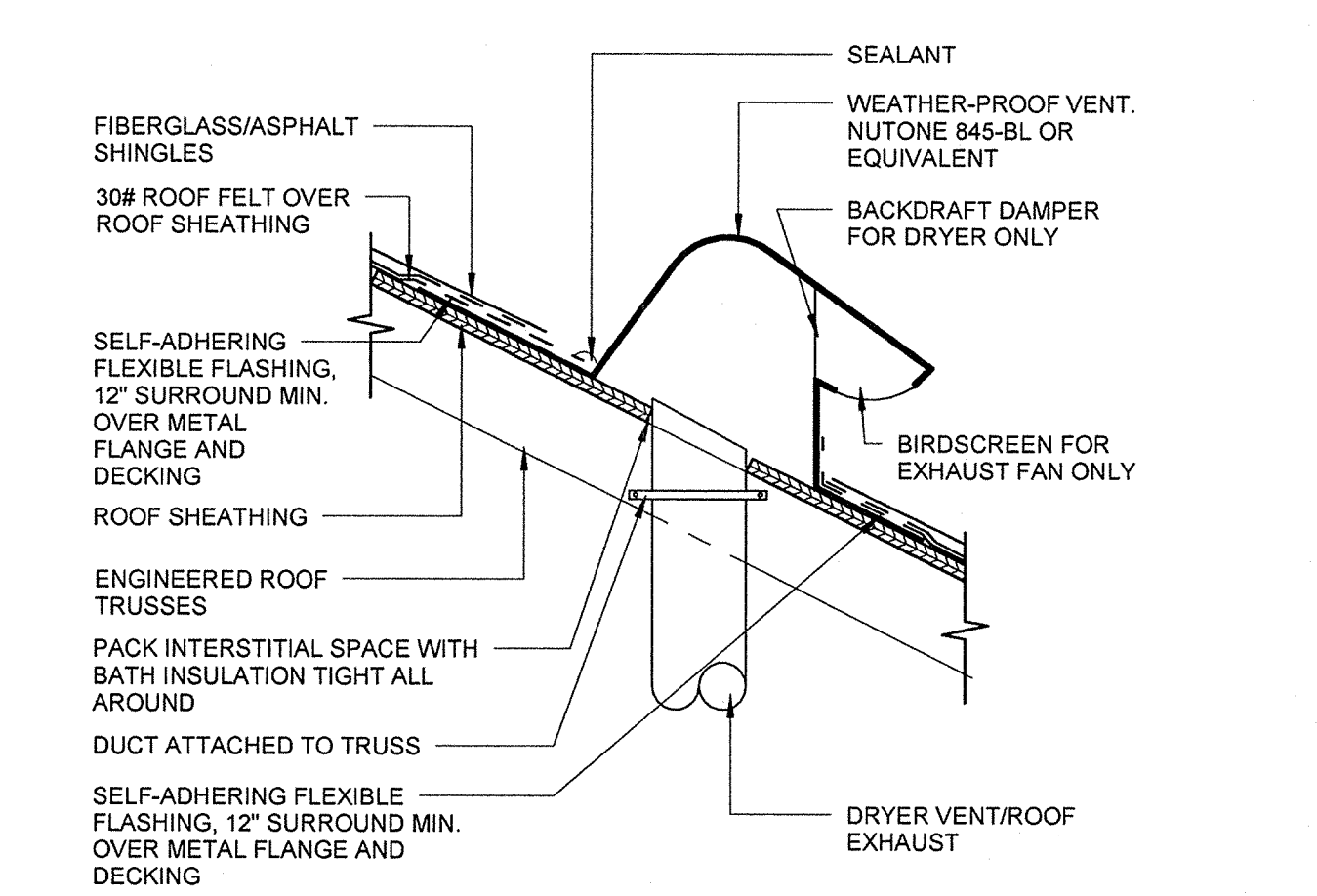
F3 ROOF VALLEY - SHINGLE ROOF  
1 1/2\"/>



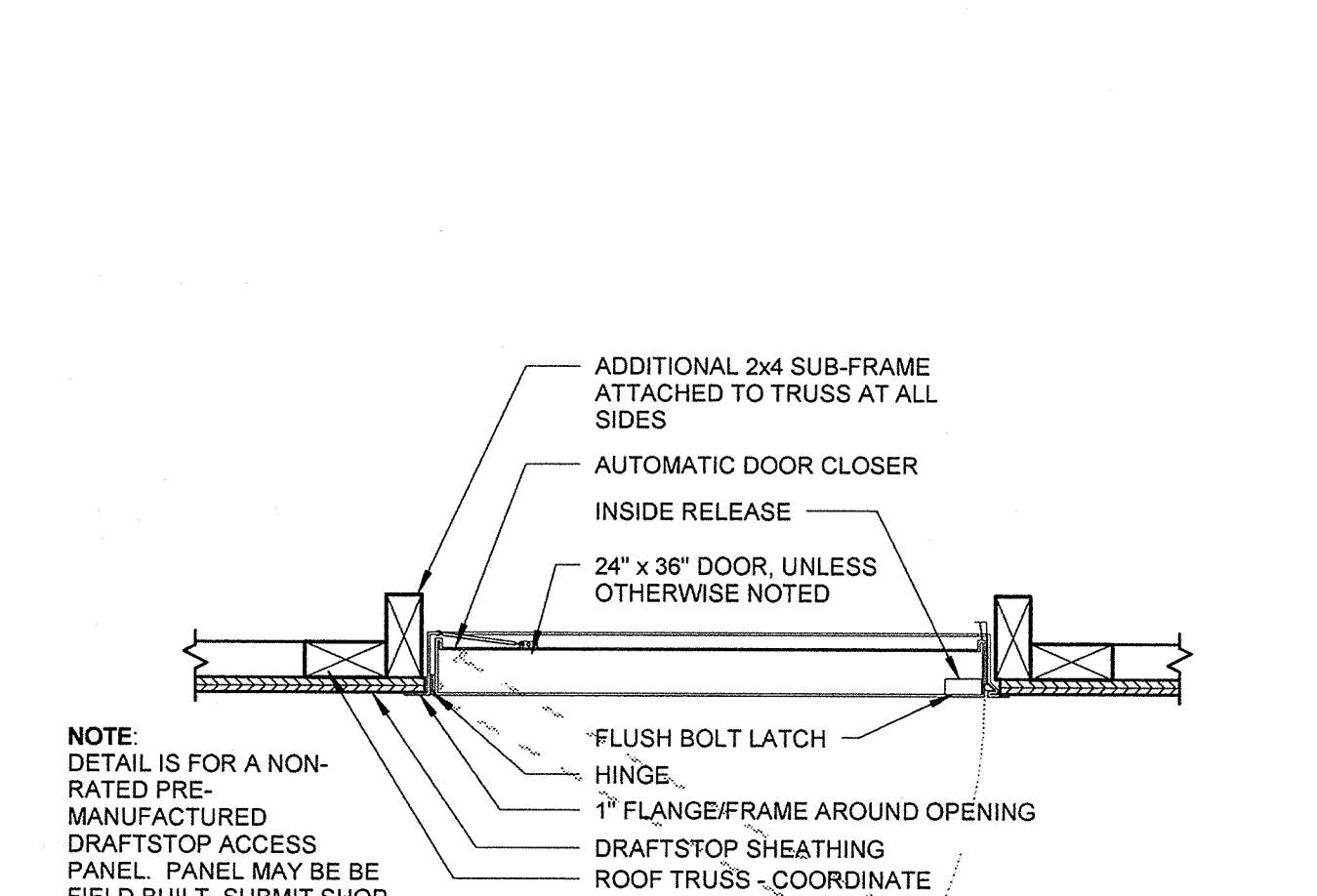
F1 OFF-RIDGE ROOF DET.  
1 1/2\"/>



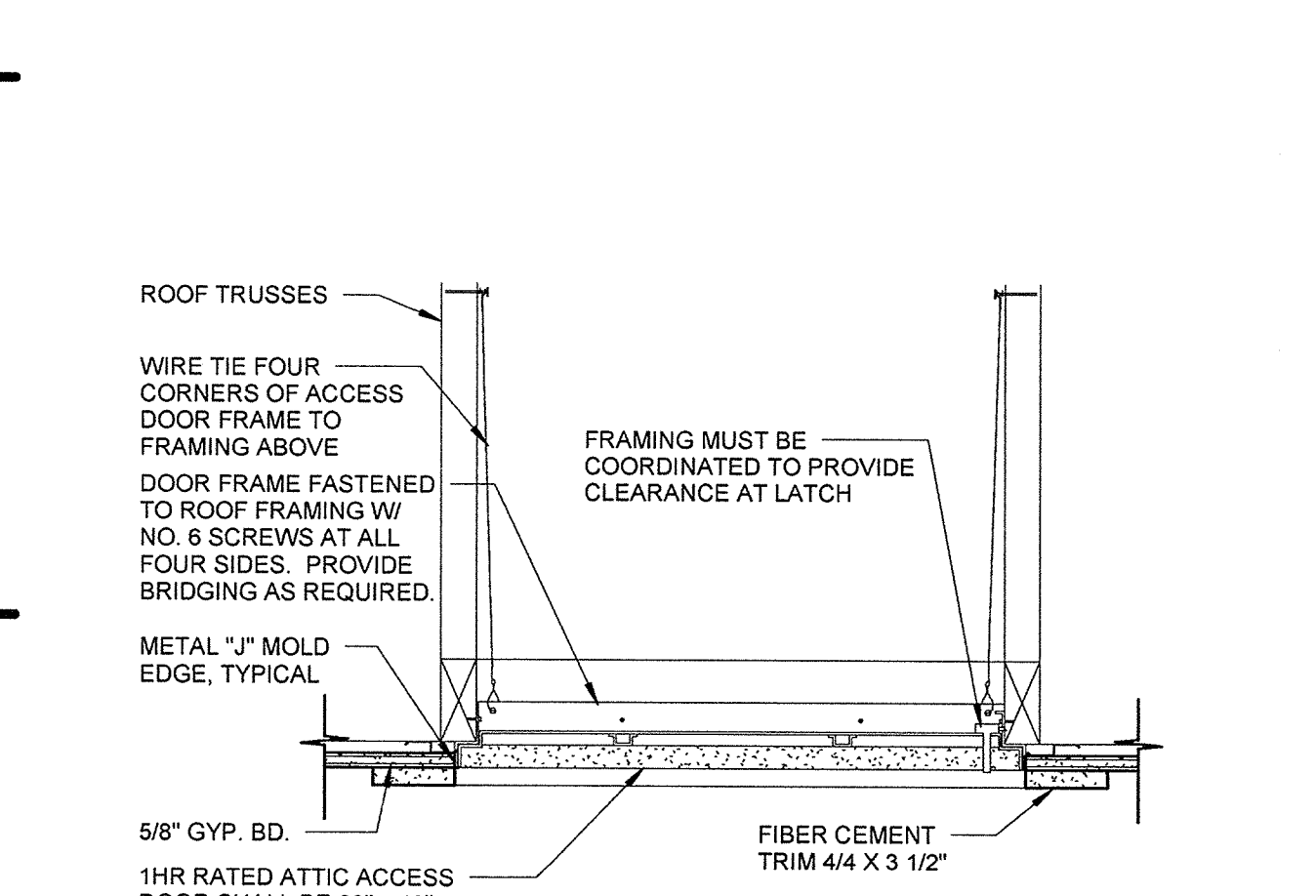
H8 ROOF DETAIL PIPE PENETRATION  
1 1/2\"/>



H6 DRYER/ROOF DUCT VENT DET.  
1 1/2\"/>

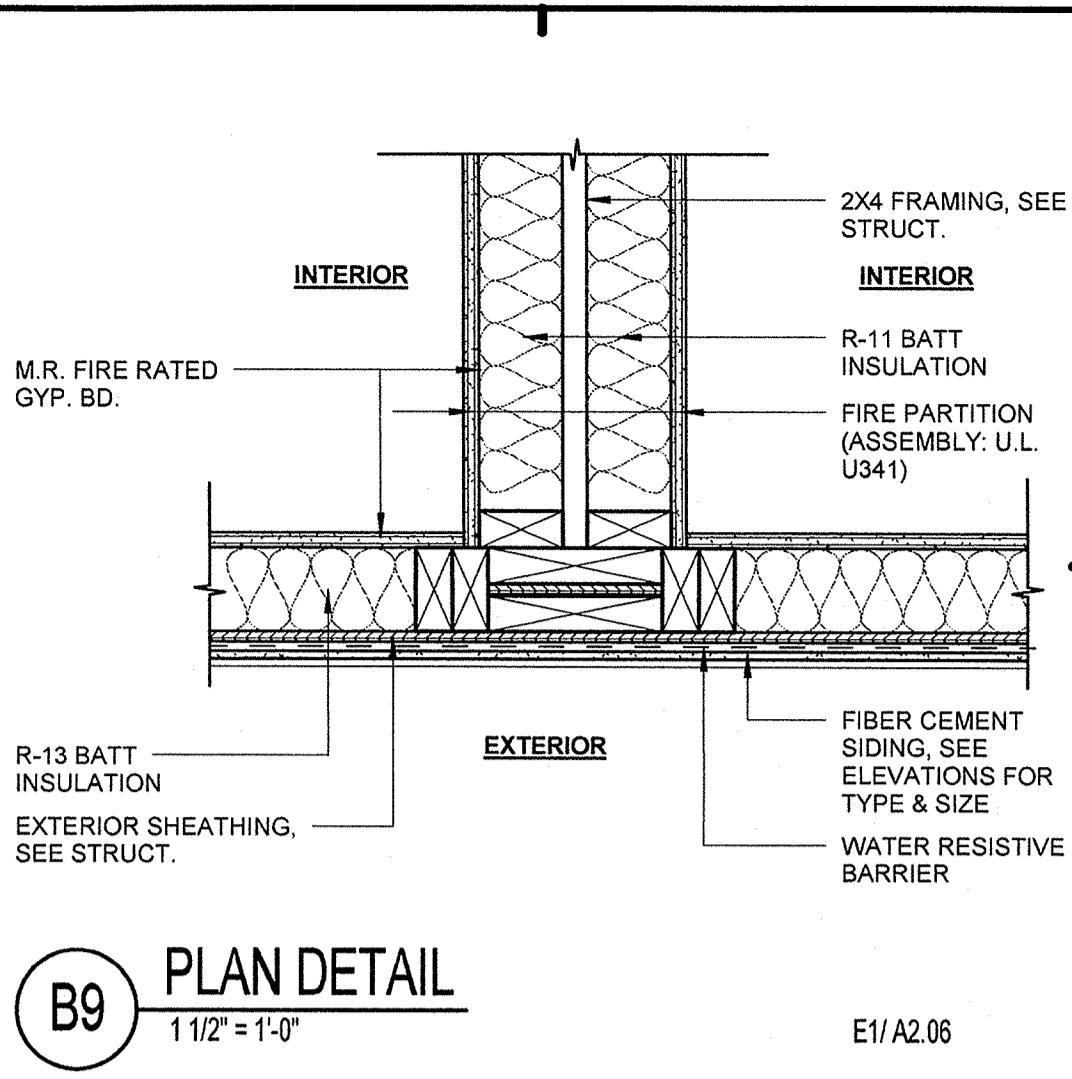
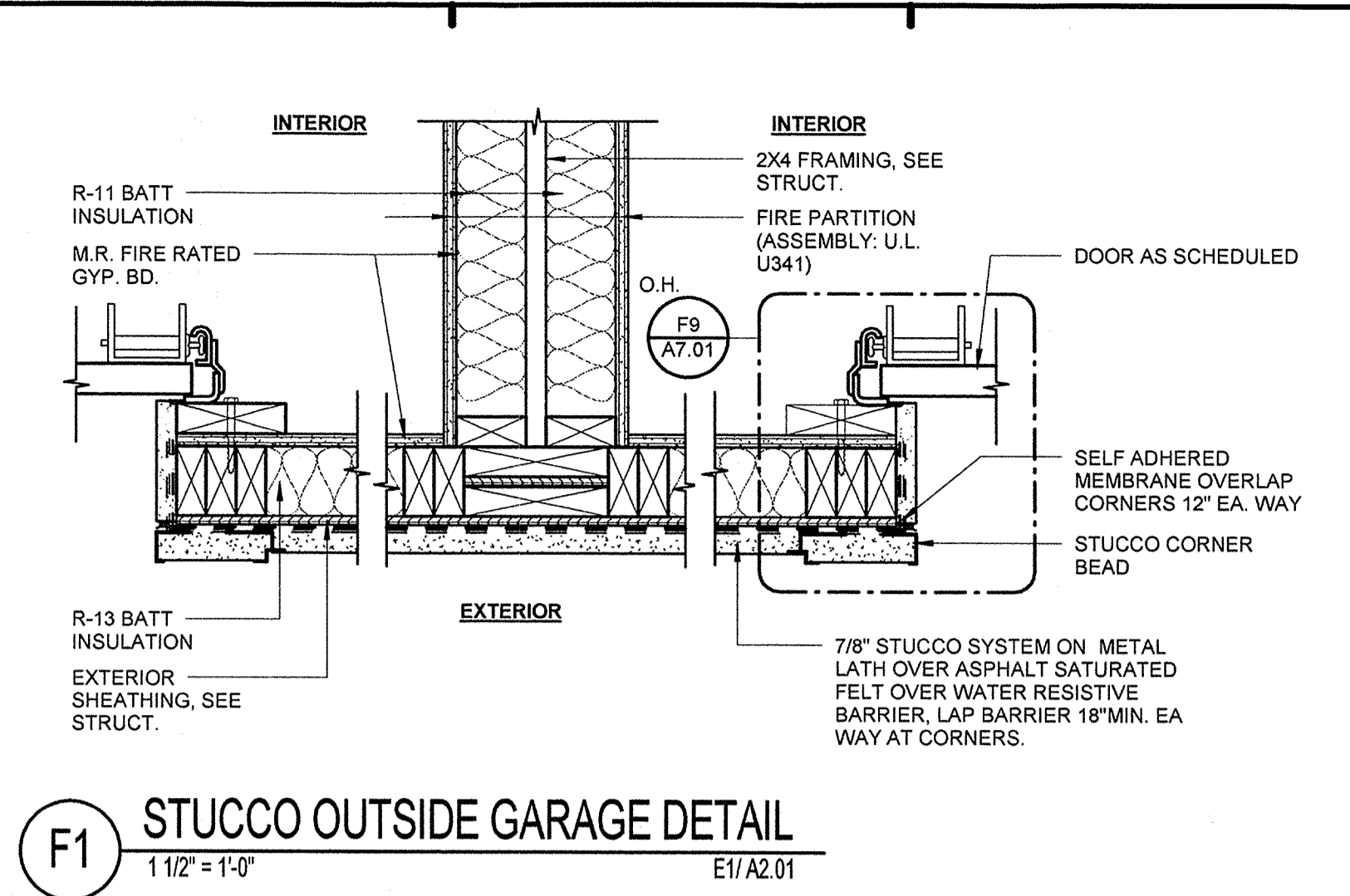
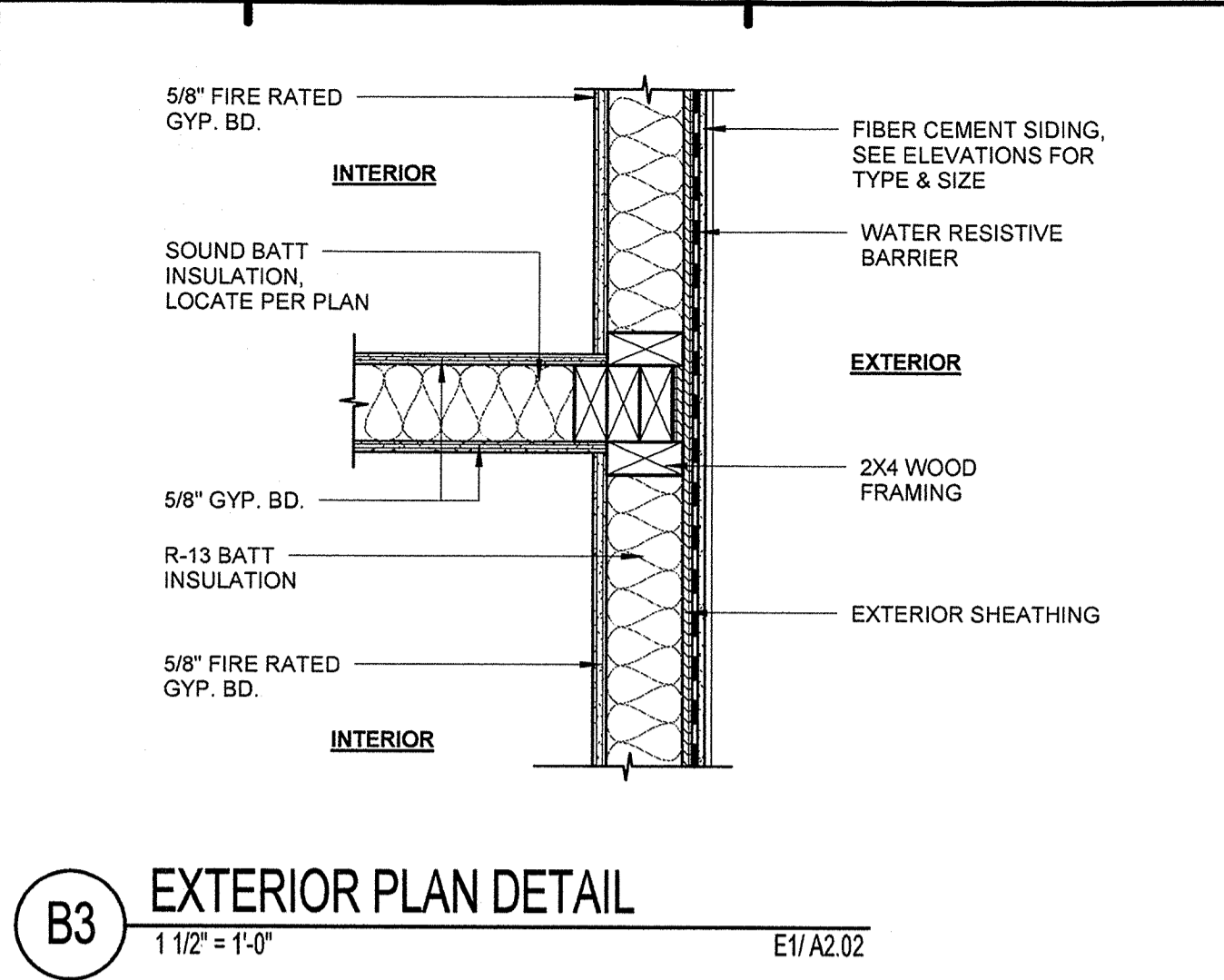
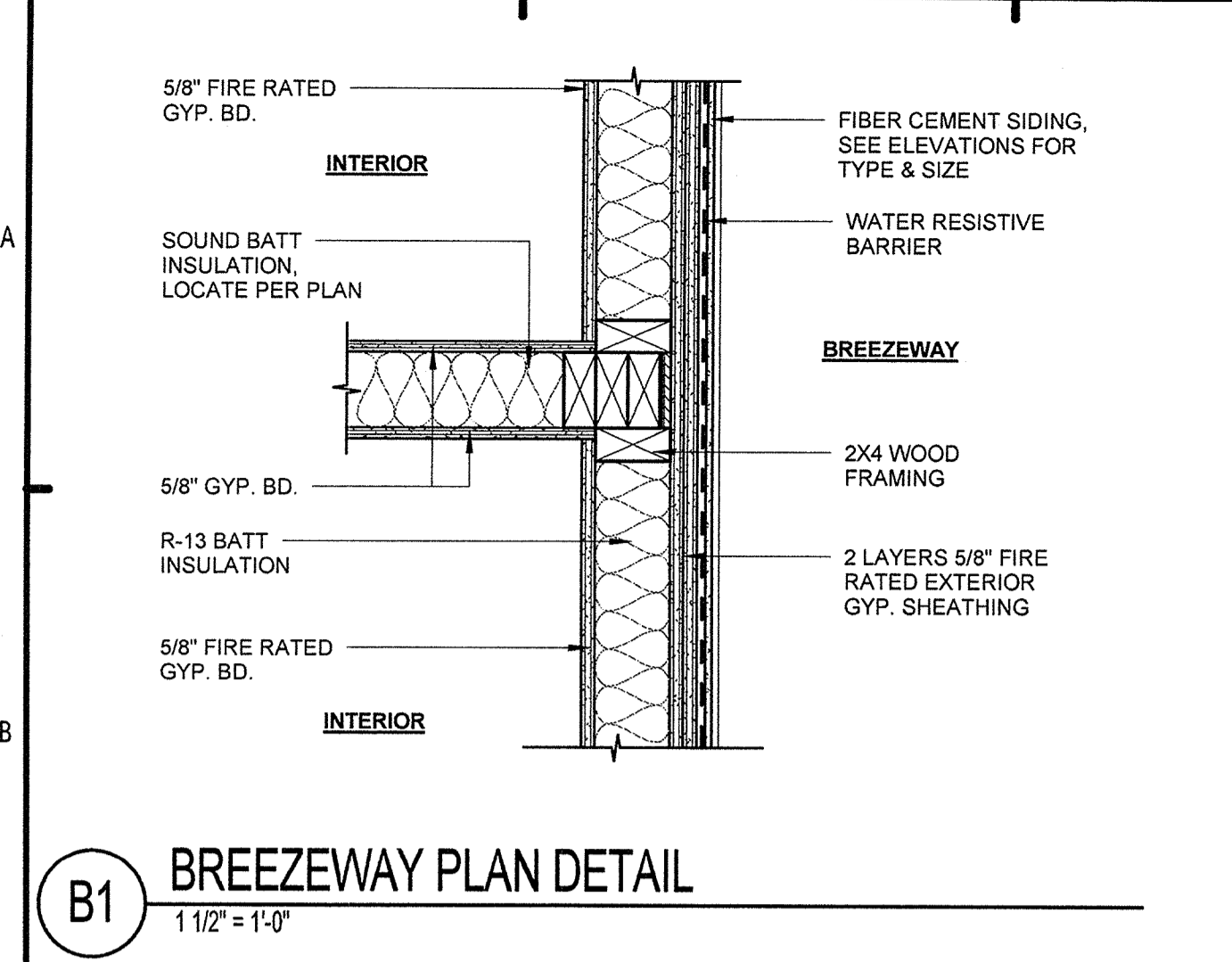


H3 DRAFTSTOP ACCESS DOOR  
1 1/2\"/>



H1 ATTIC ACCESS DETAIL (RATED)  
1 1/2\"/>

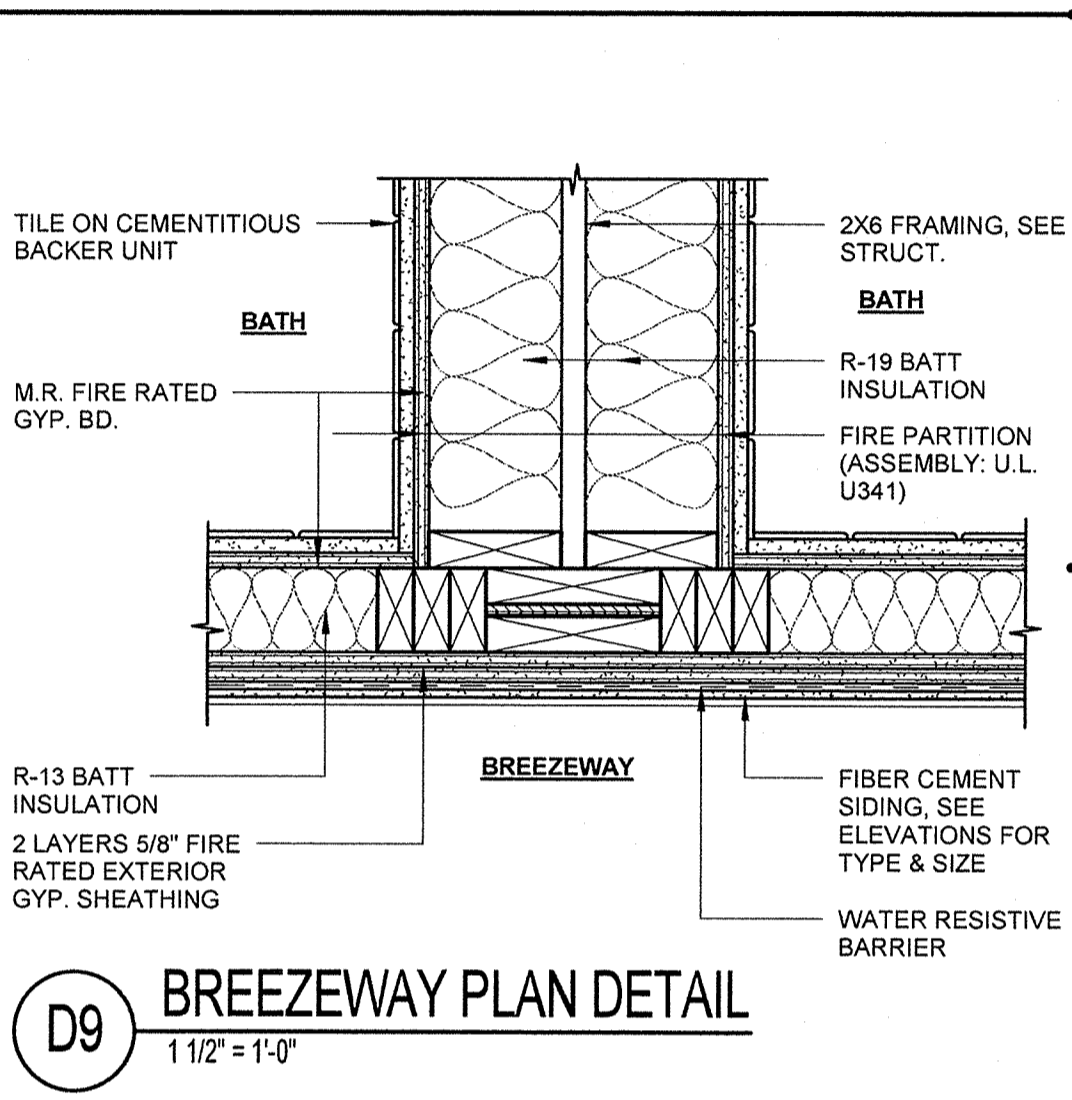
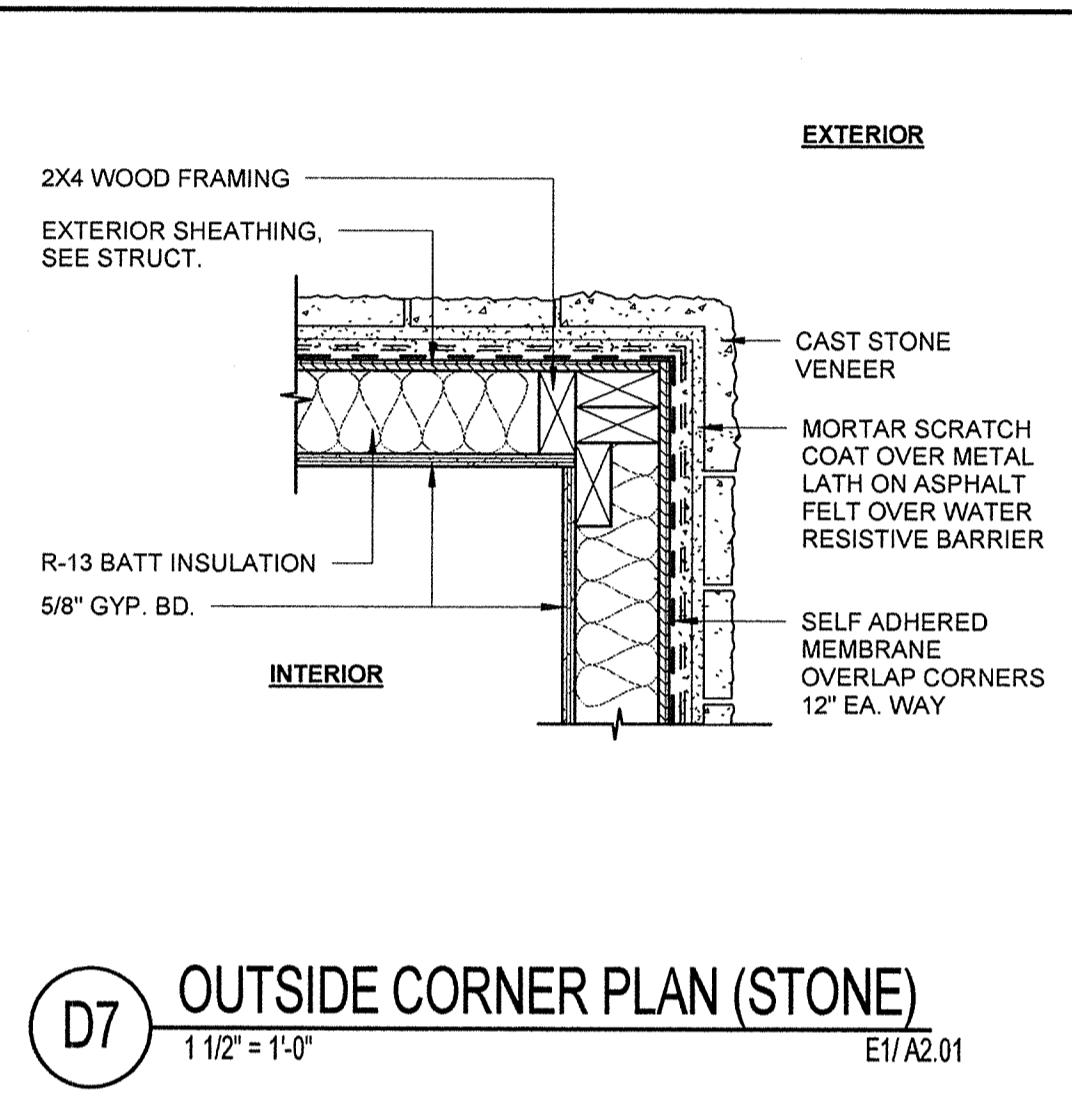
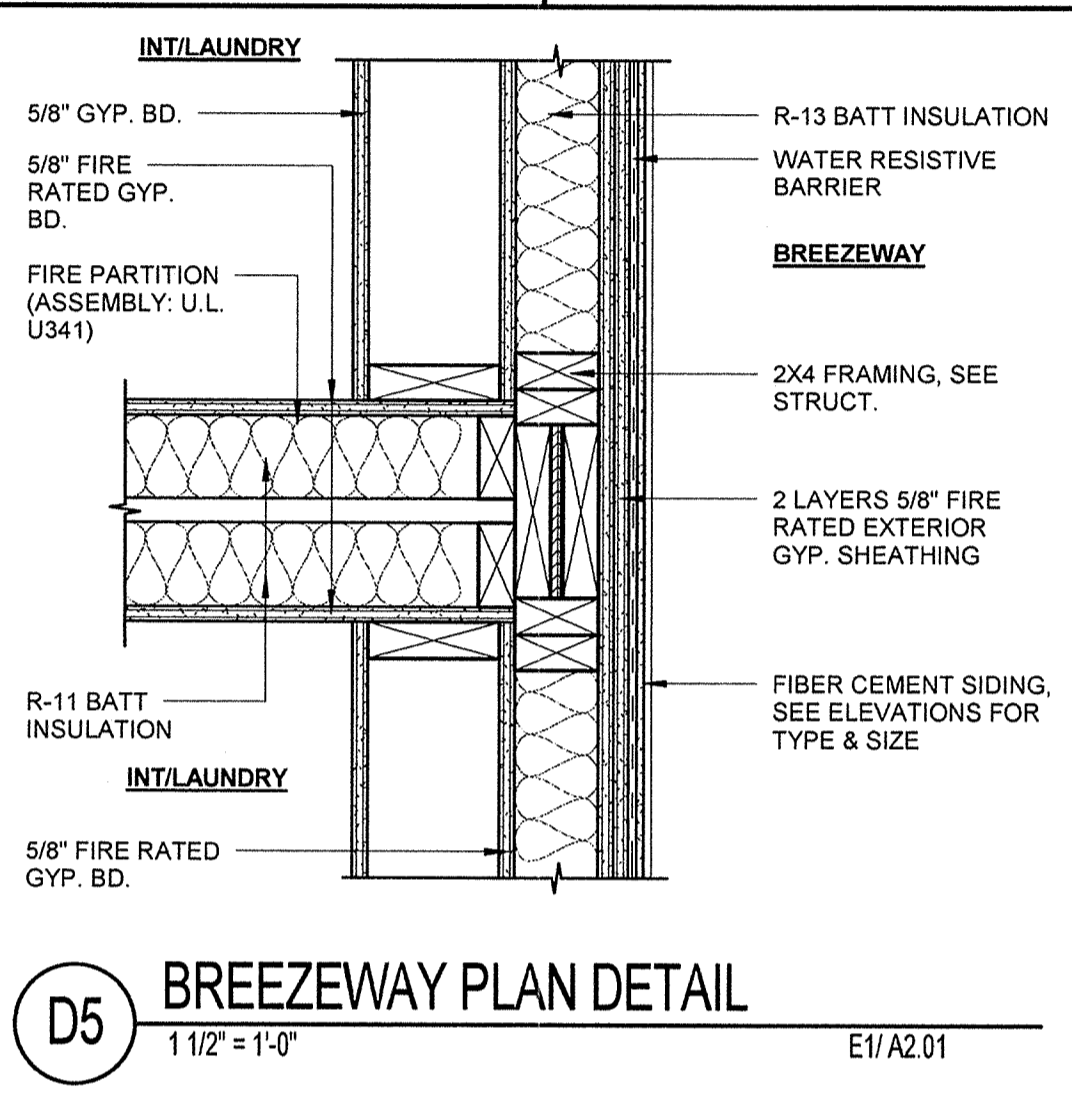
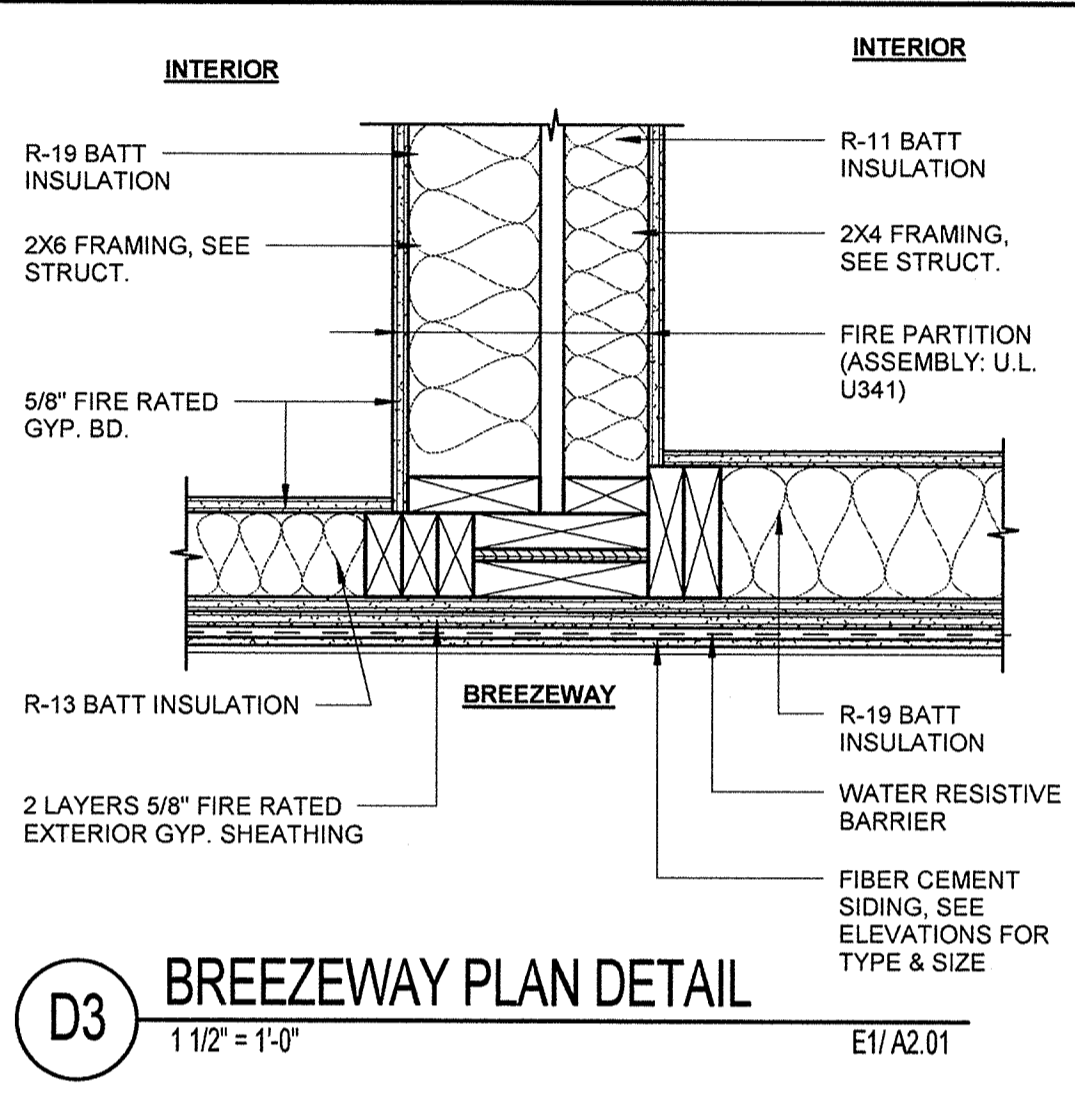
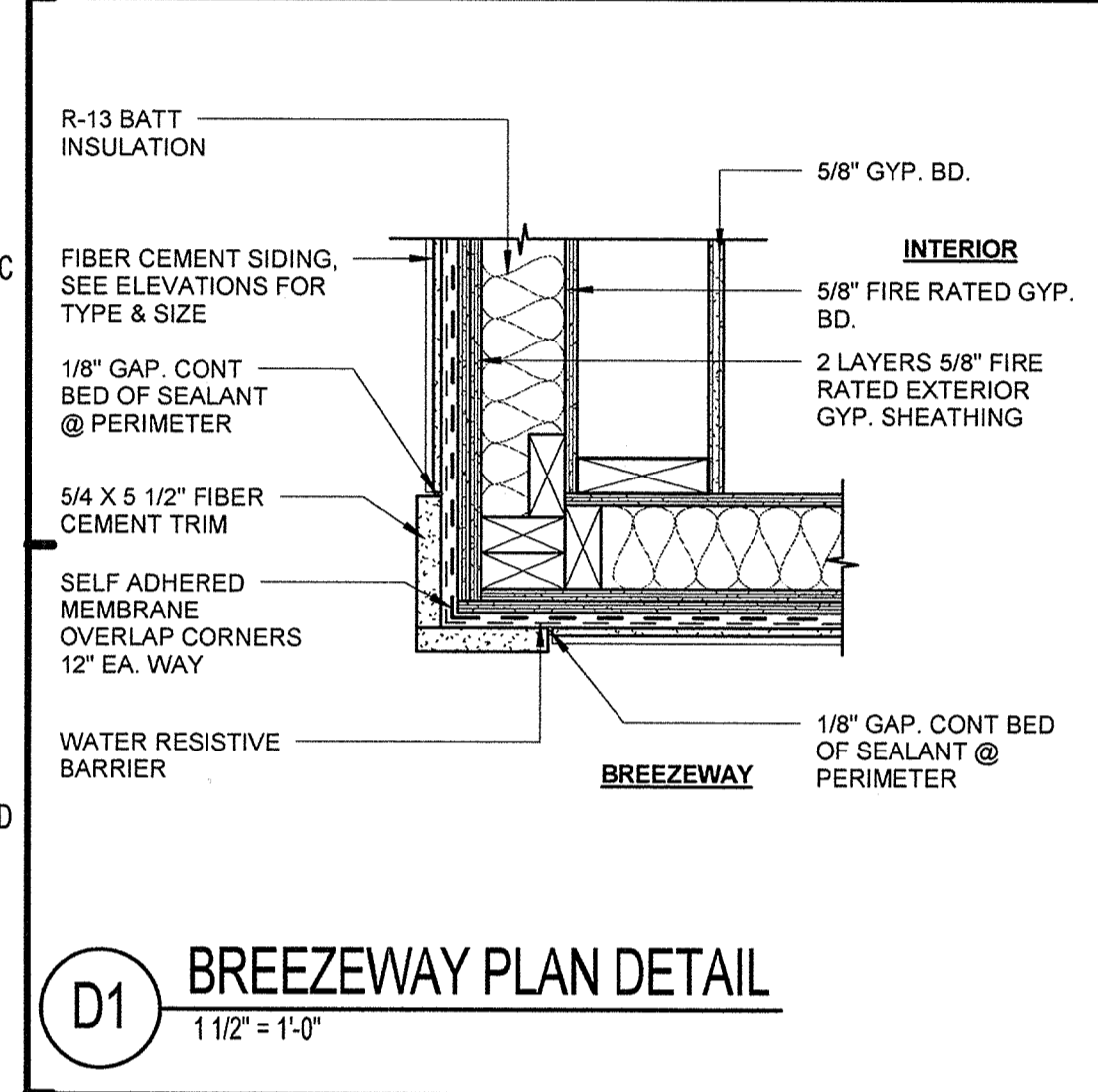
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- SEE A7.03- WINDOW AND DOOR TAPING FOR FLASHING STEPS AND PROCEDURES. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
- SEE PLANS FOR WALL SIZES, AND FOR APPROPRIATE WALL INSULATION THICKNESS.

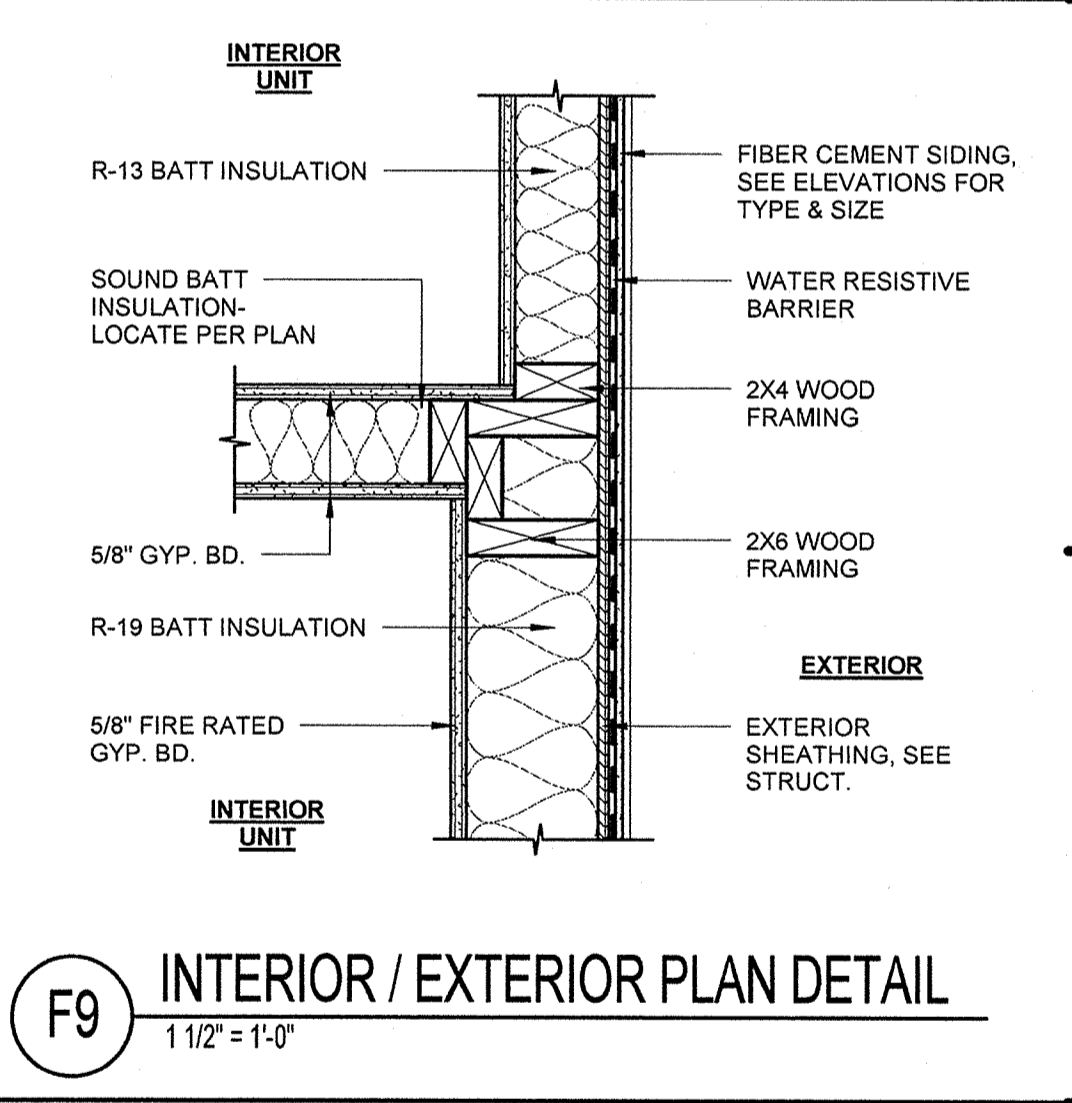
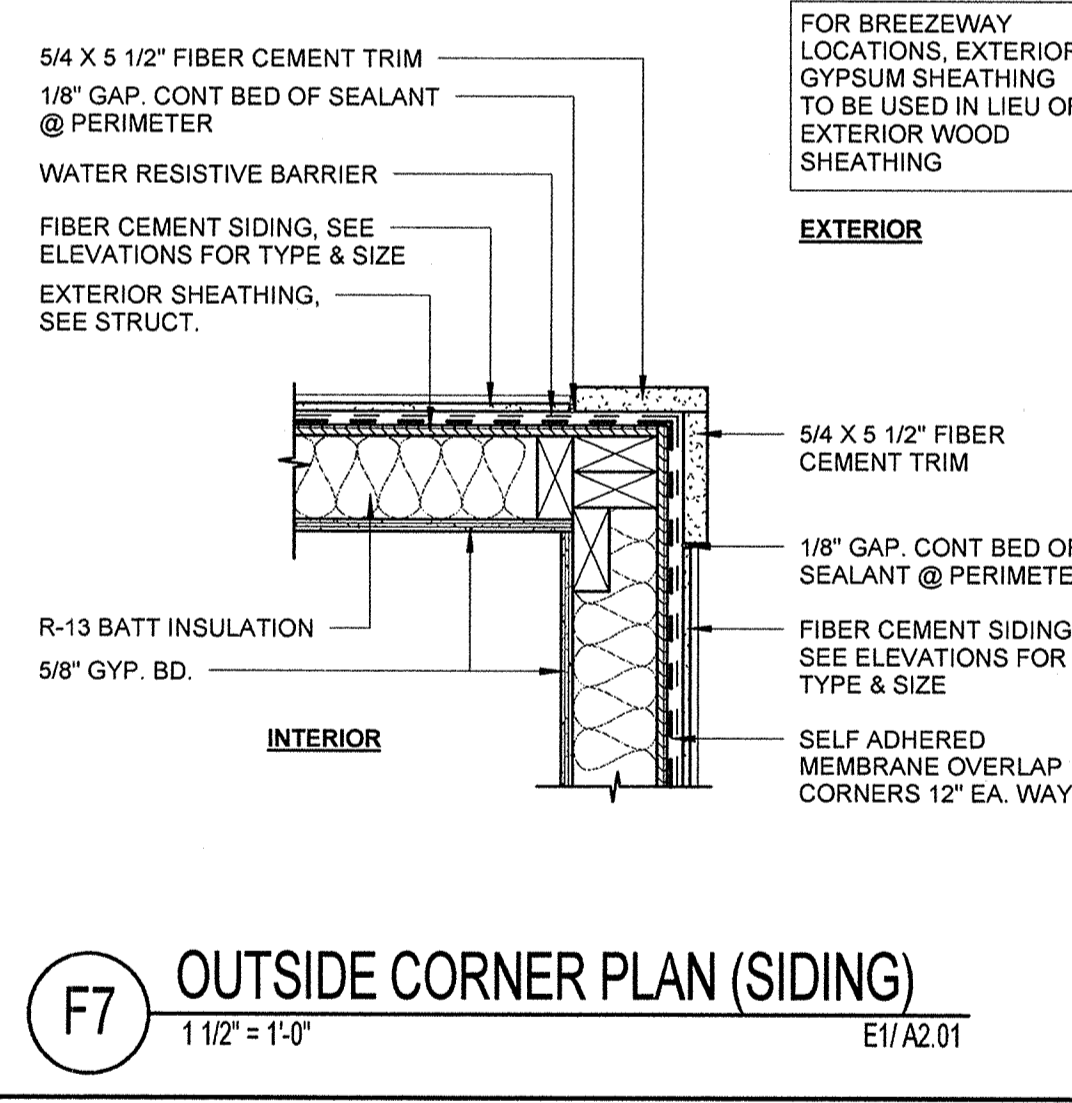
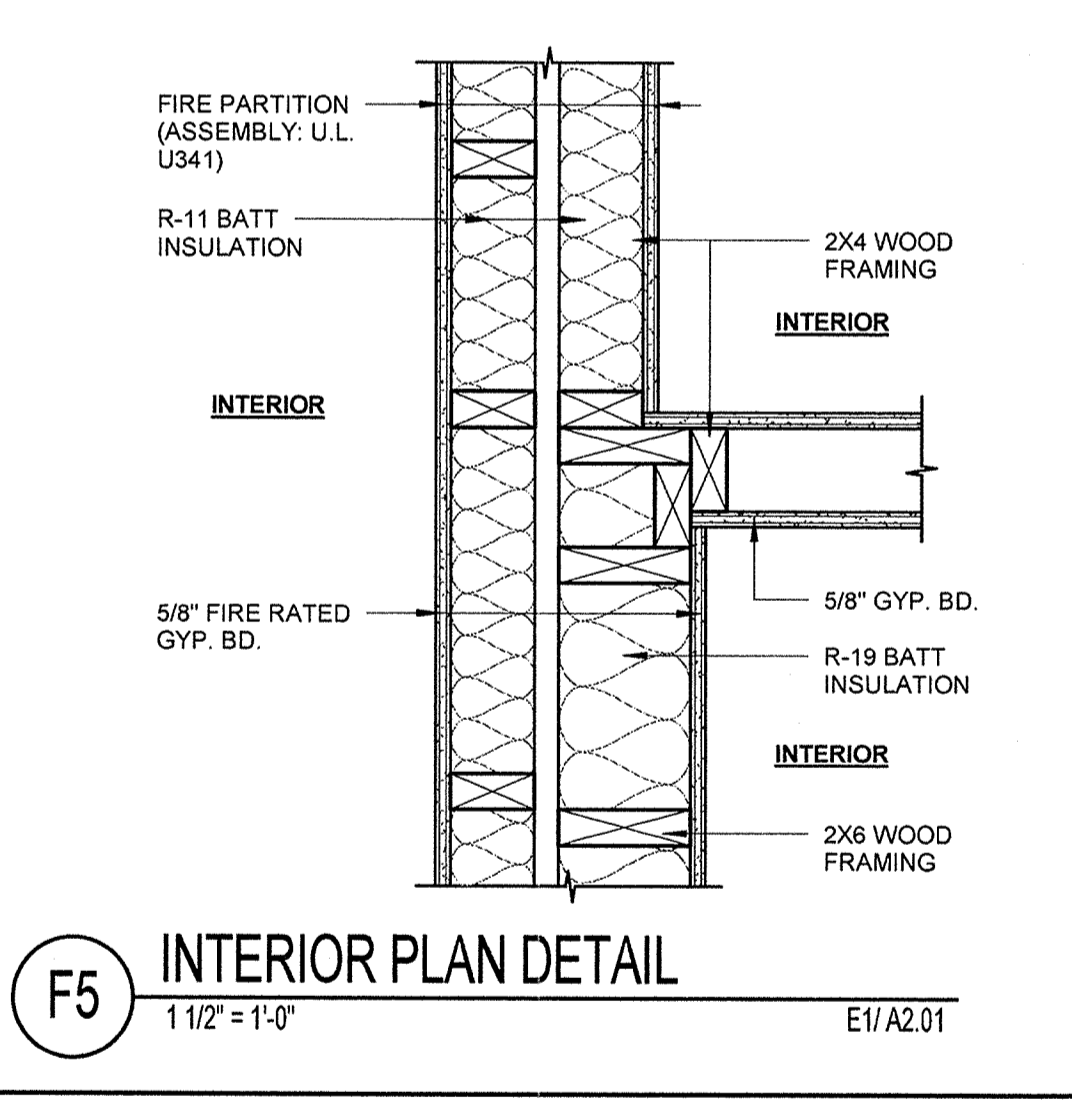
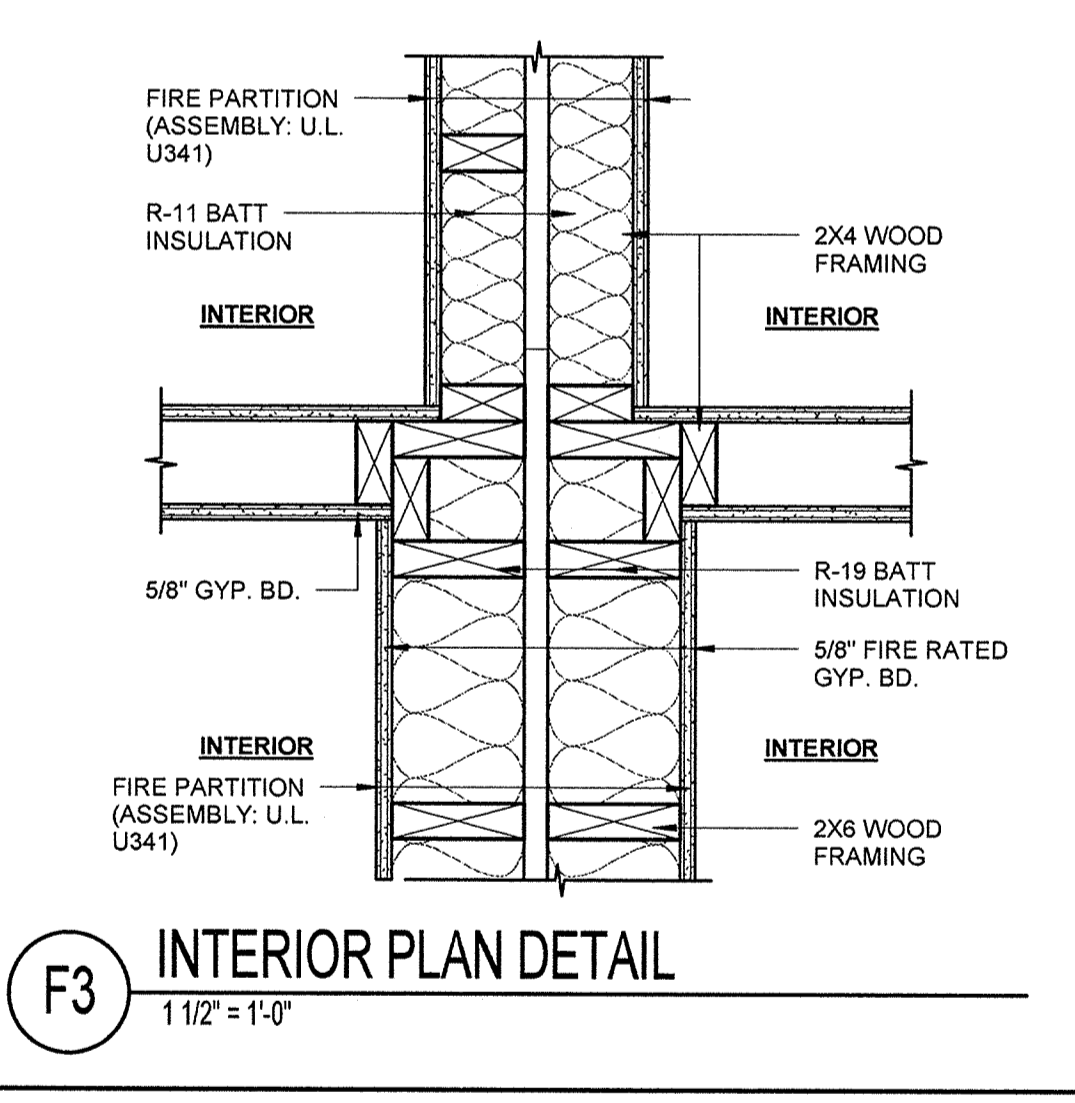
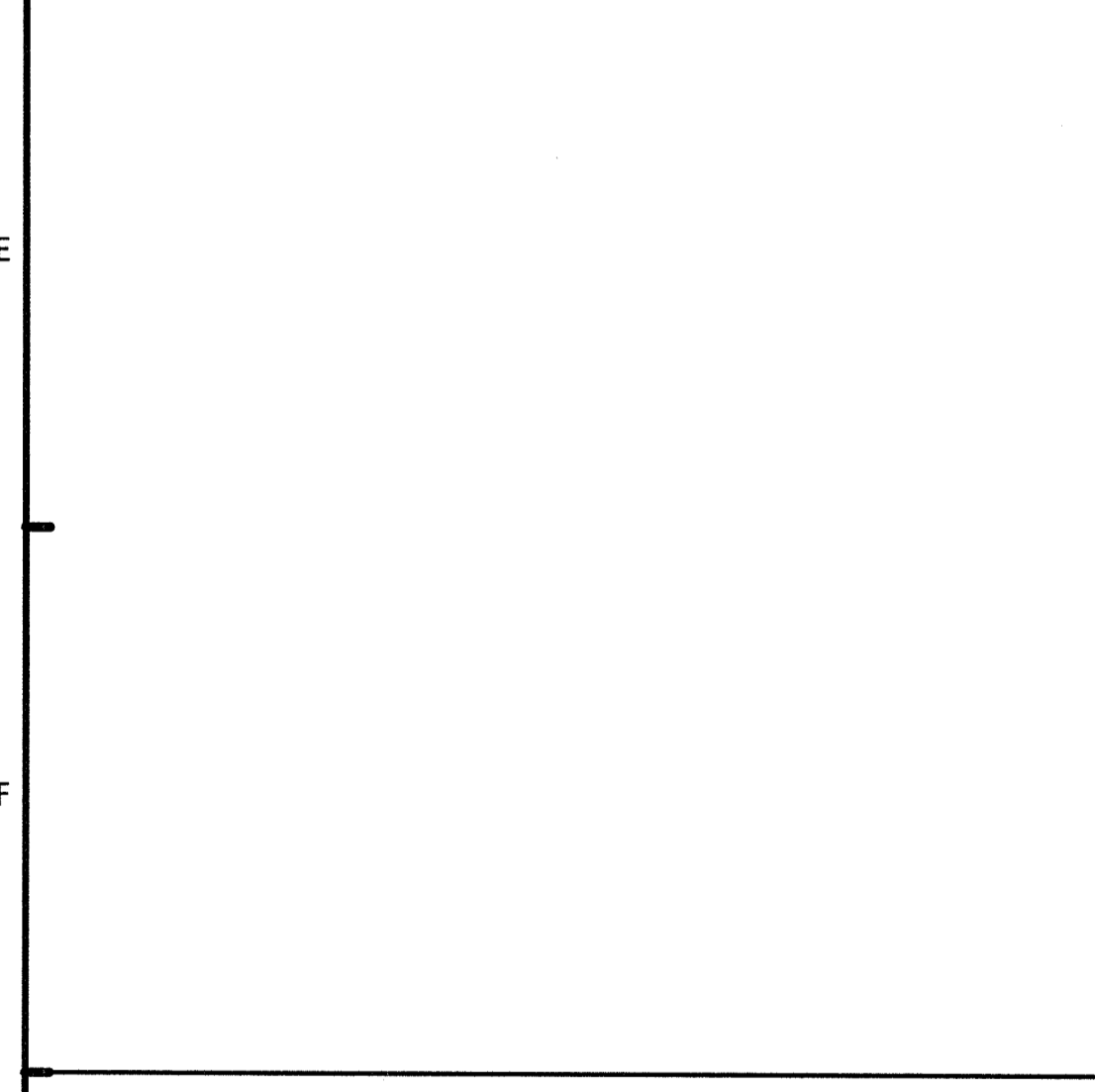


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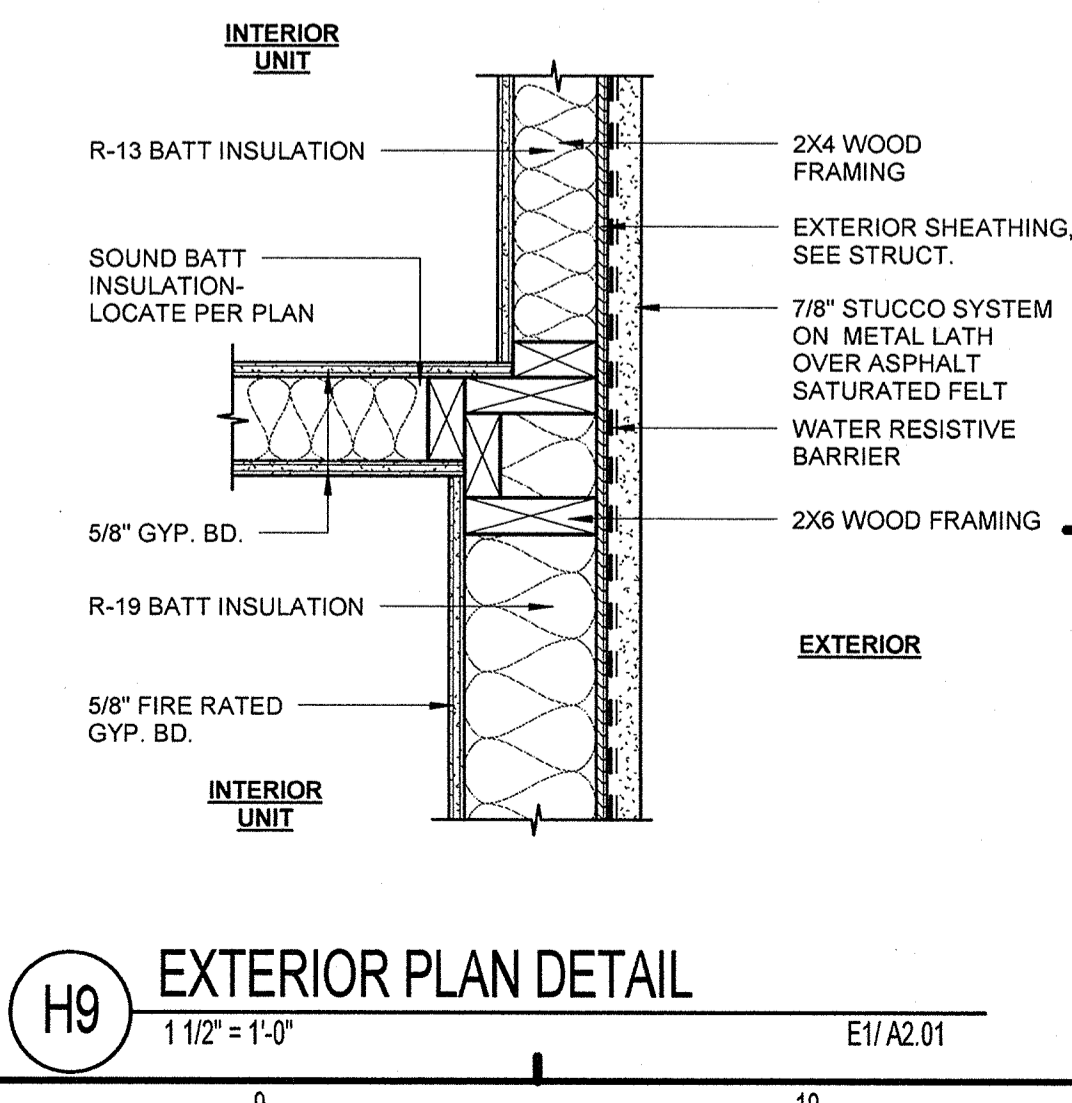
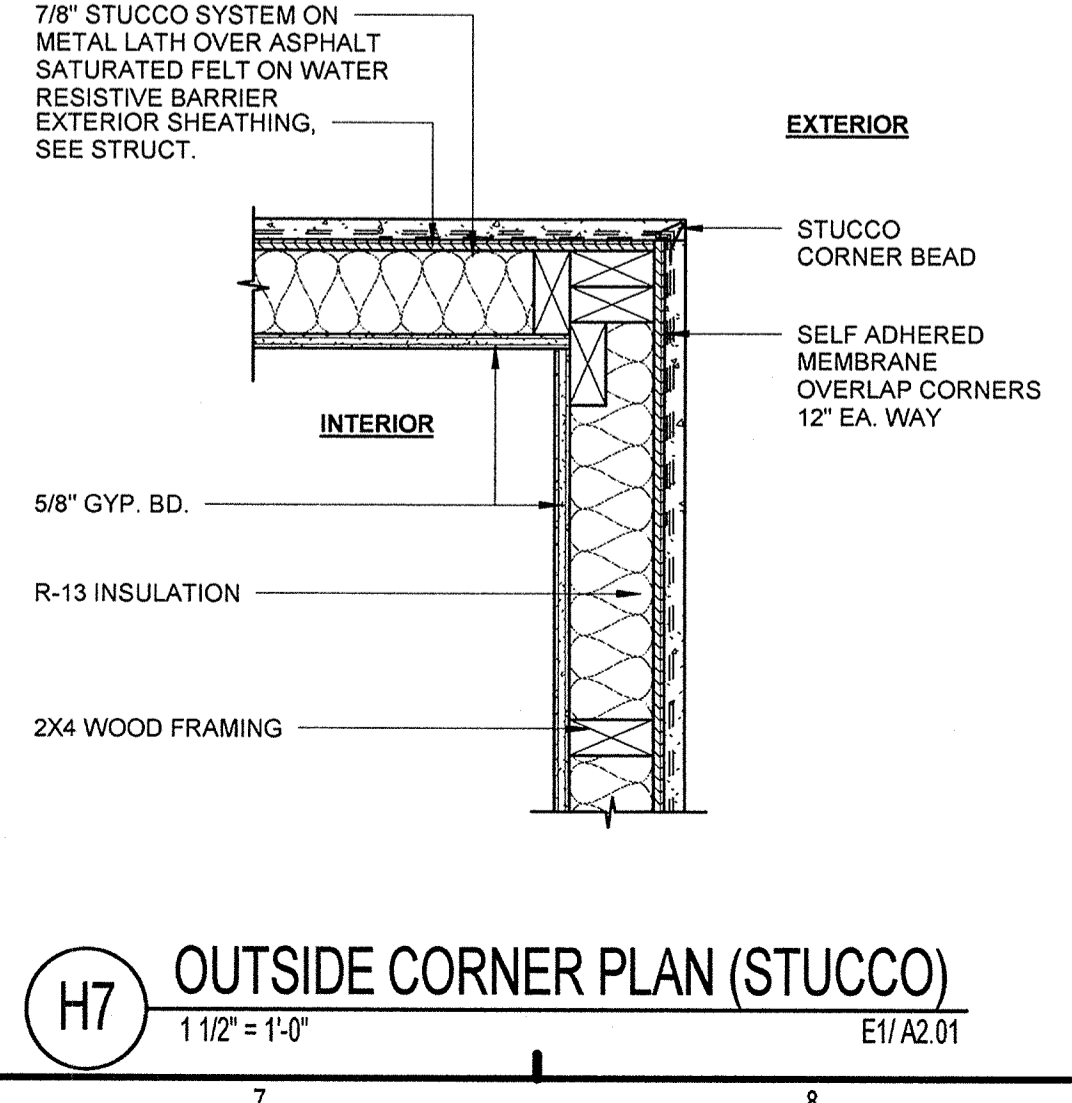
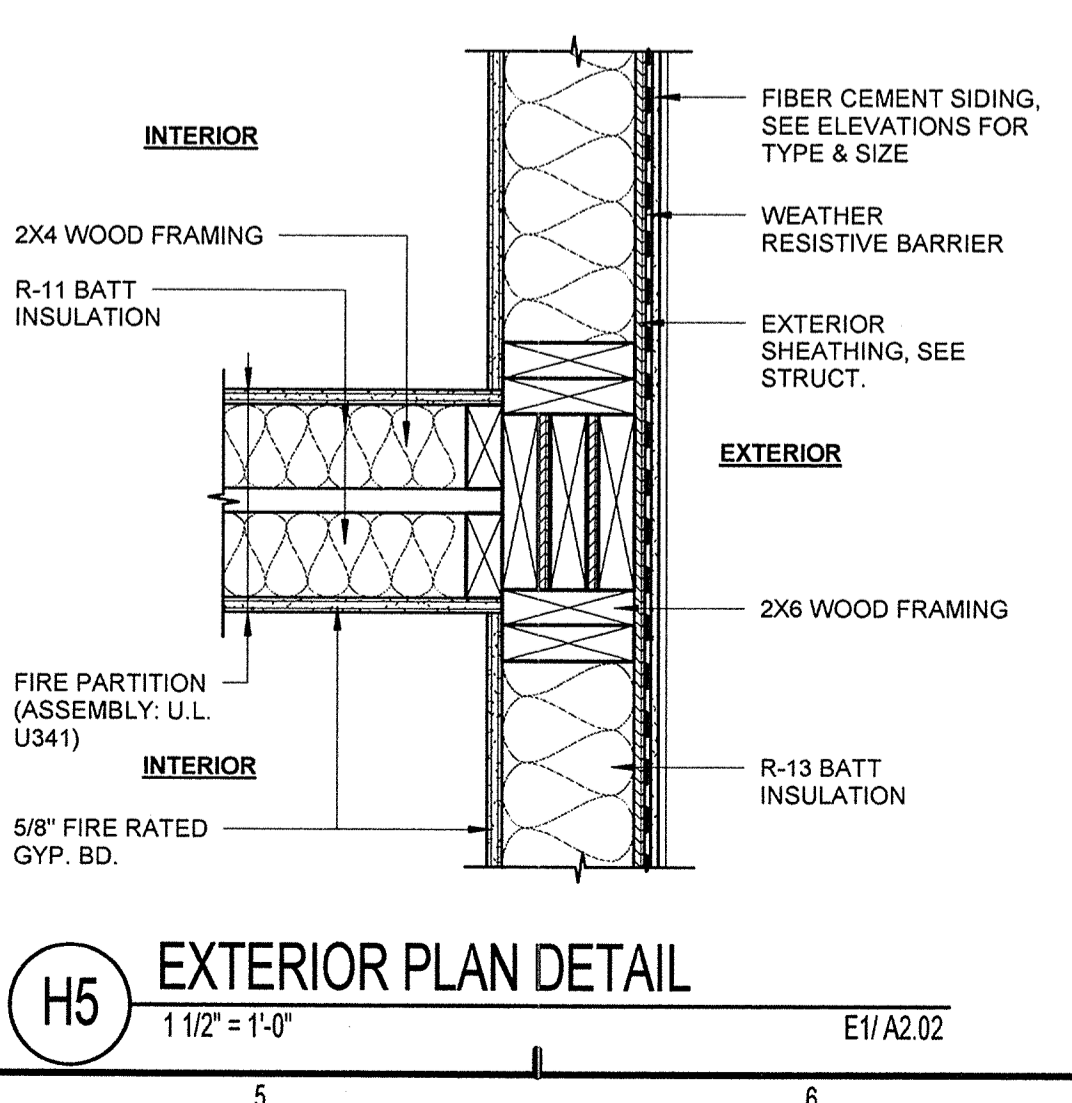
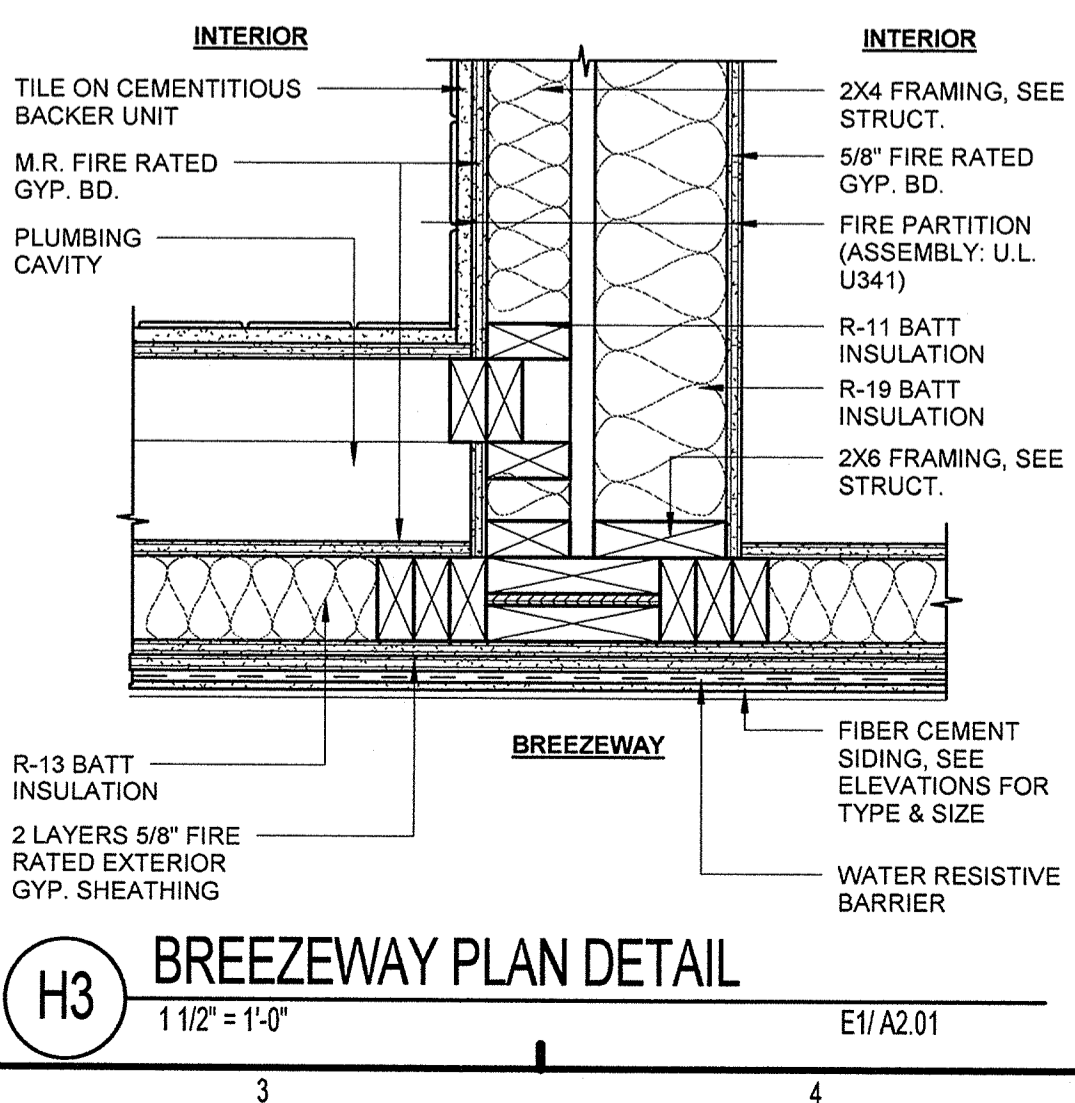
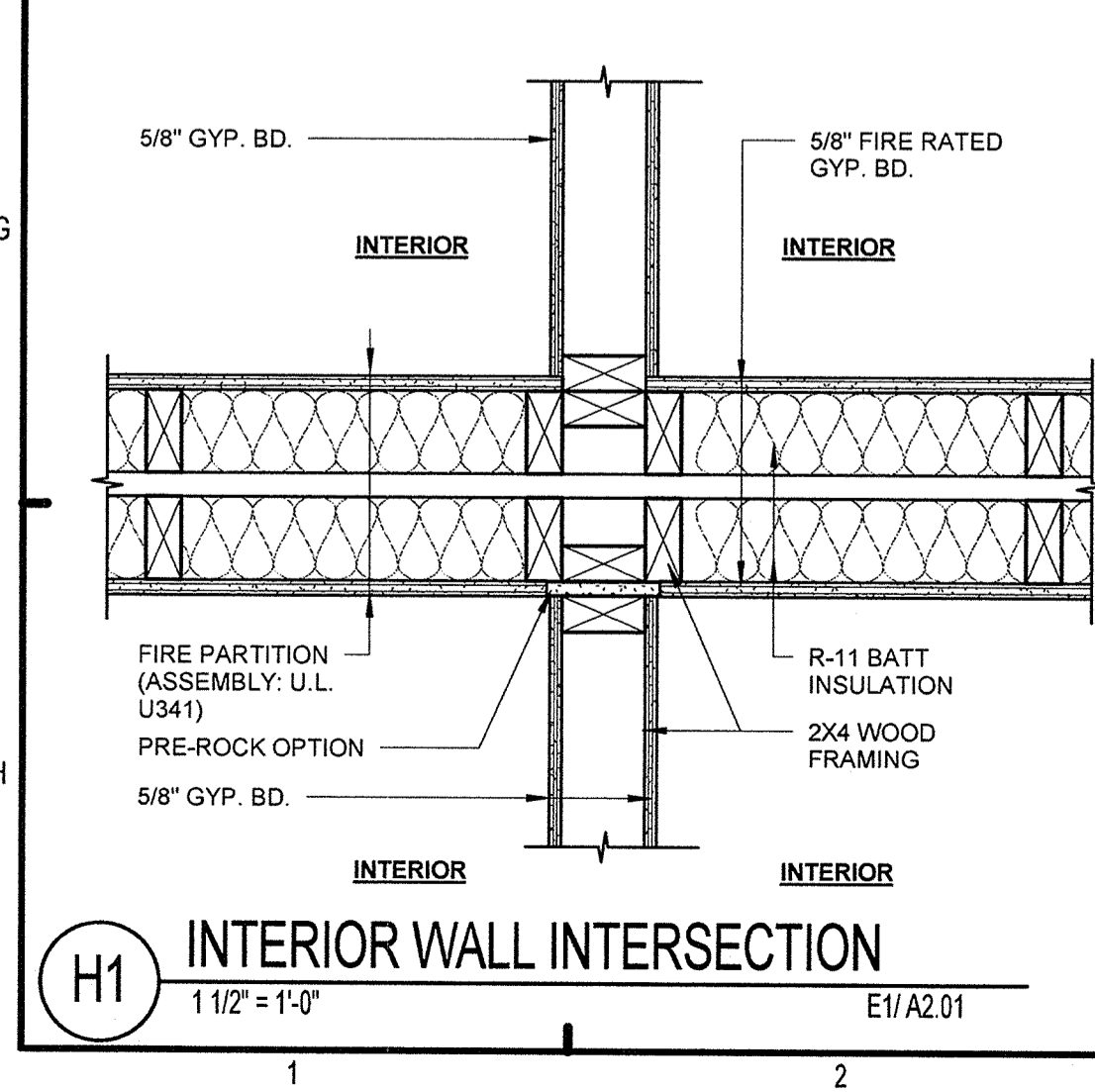


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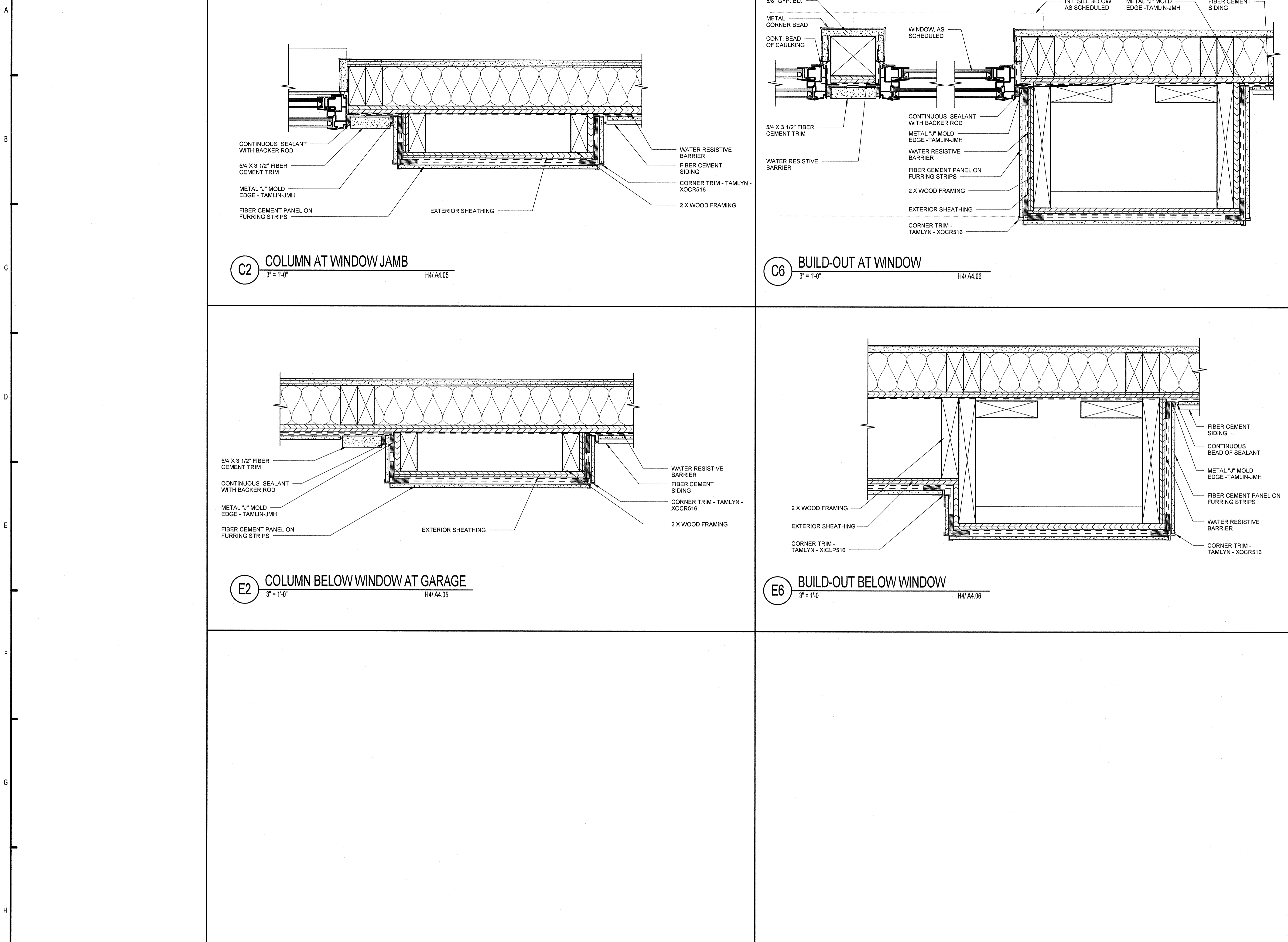
**SUMMER BAY APARTMENTS**  
 Lake County, FL

**PLAN DETAILS**

**A6.01**

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 FLORIDA LICENSE # AR0017385

DATE: 11/15/2013  
 PROJECT # 5169



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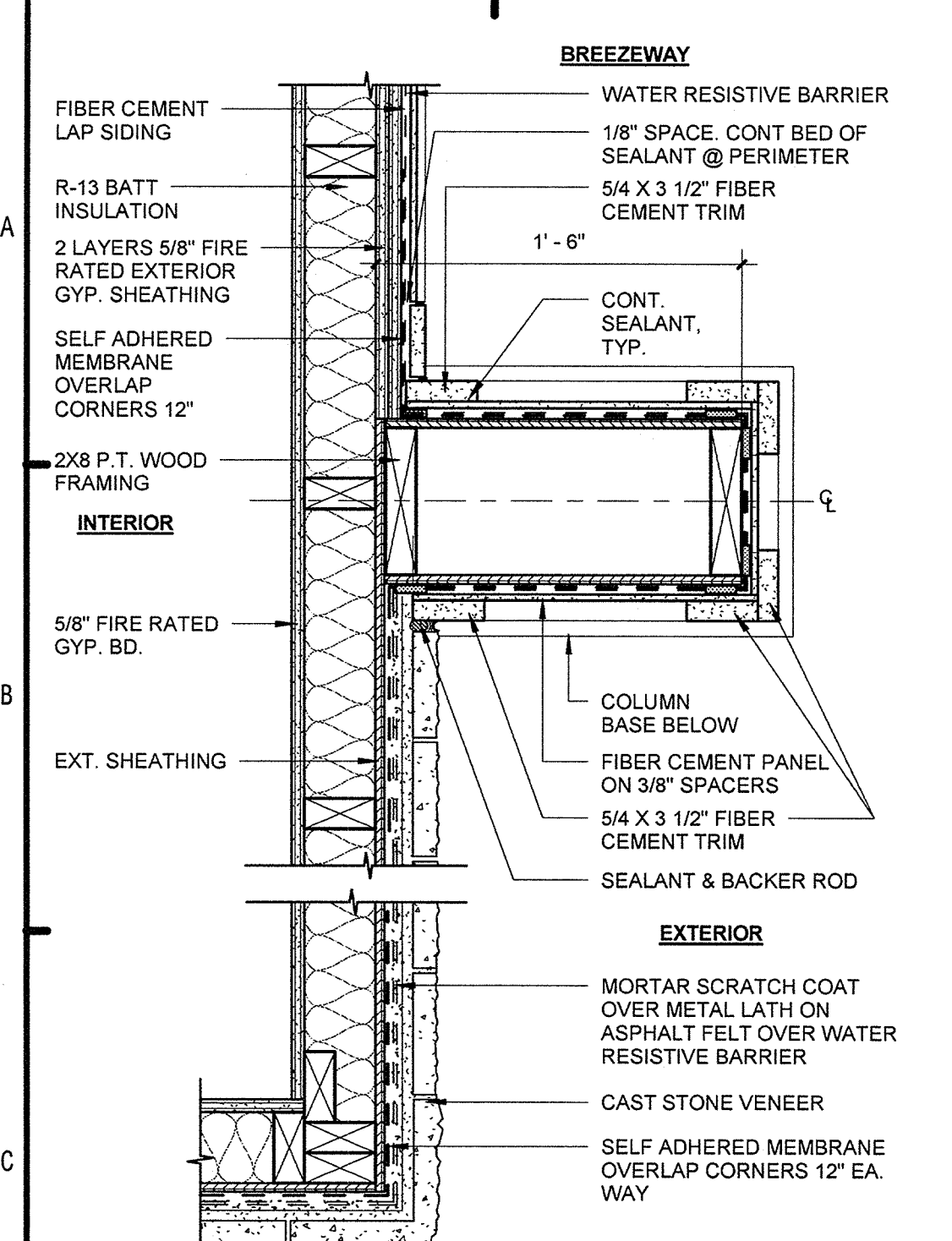
**PLAN DETAILS**  
A6.02

Drawn	Author
Checked	KL
Approved	KL
Date	11/15/2013
Project #	5169

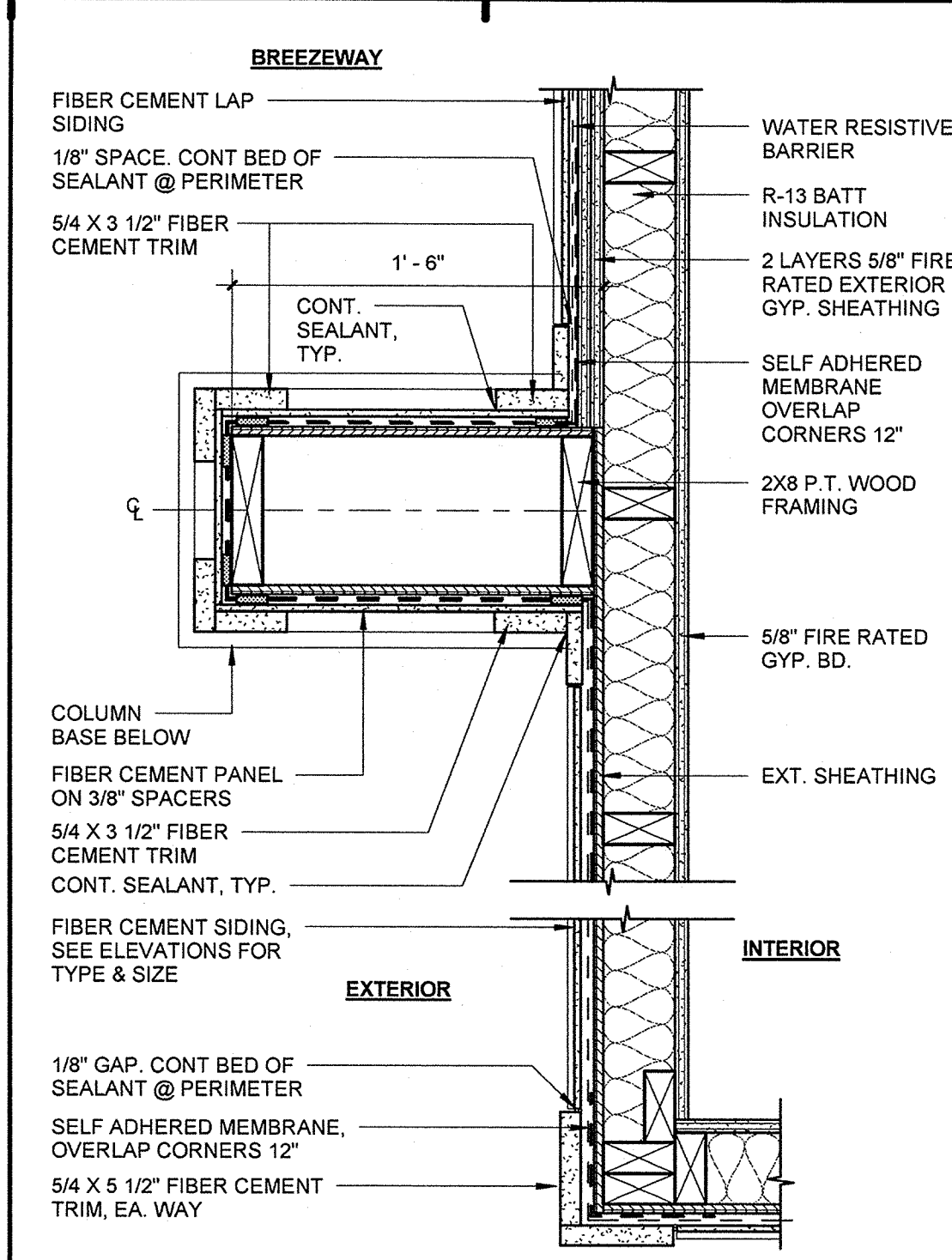
KEL LINDSEY  
FLORIDA LICENSE# AR0017385

*[Signature]*

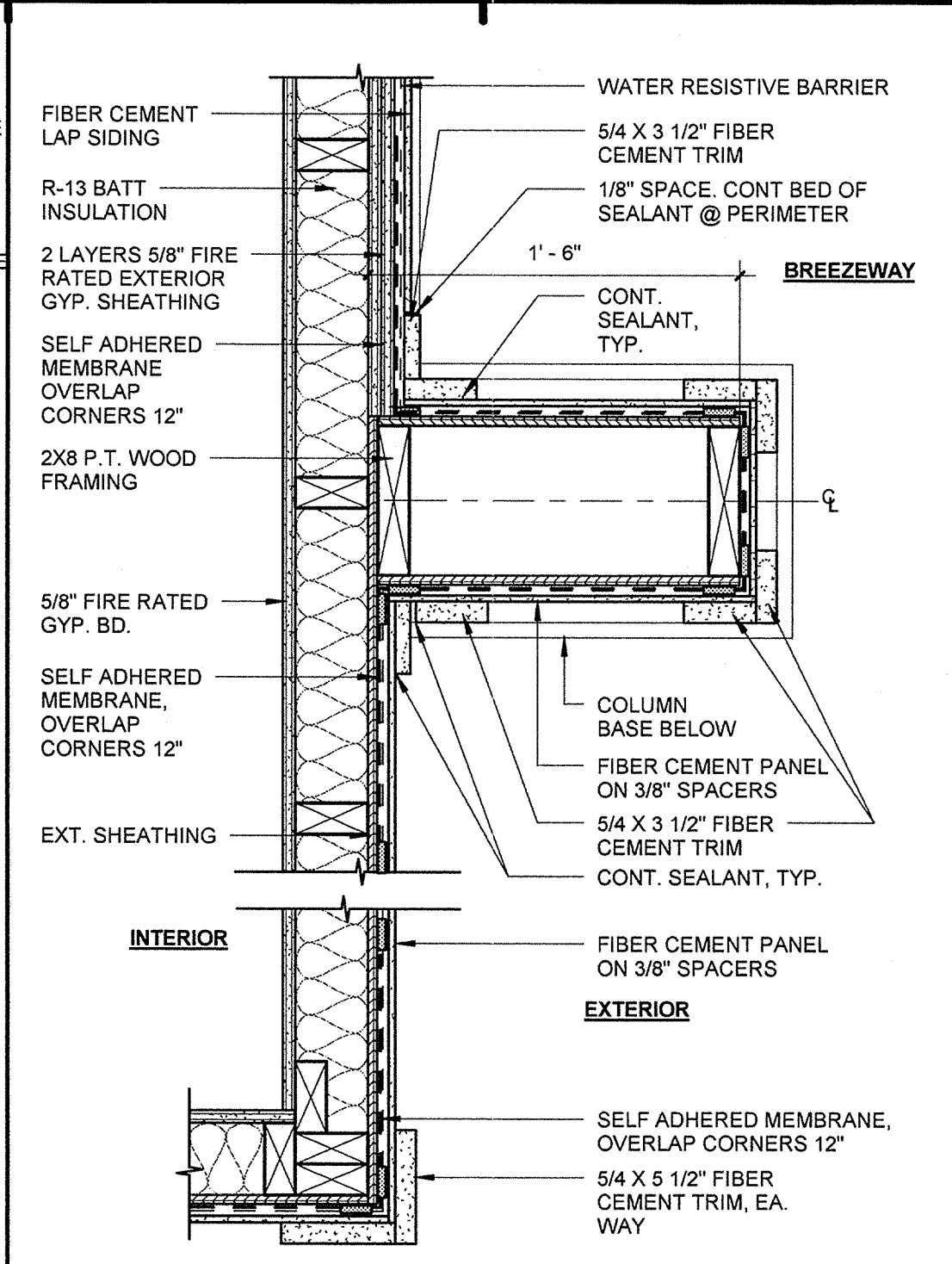
©:Revit Projects\Summer Bay Apts-13 Central\_Kyle Paxton.rvt PLOTTED: 11/15/2013 12:47:07 PM



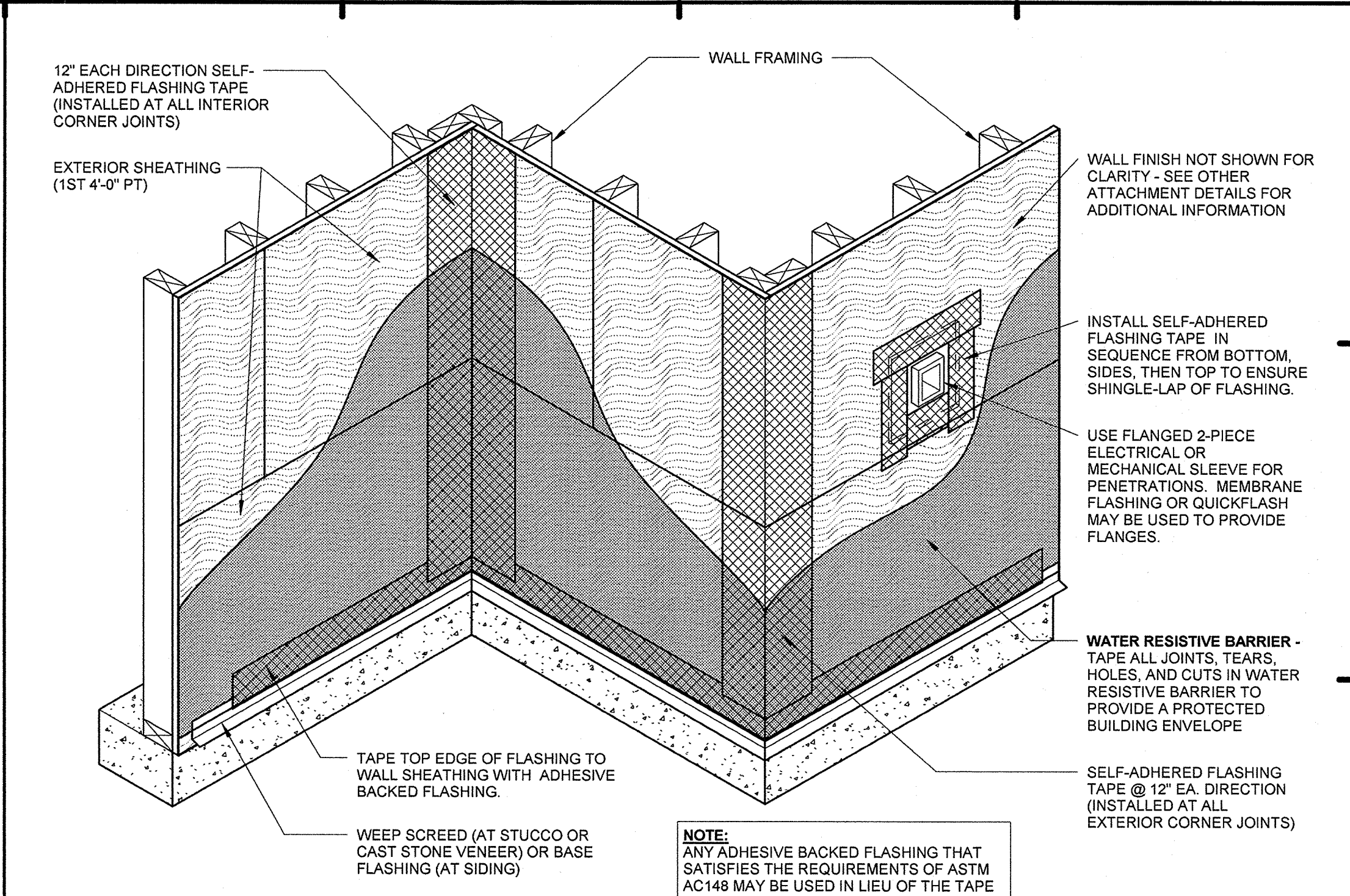
**C1** COLUMN DETAIL AT BREEZEWAY-STONE  
1 1/2" = 1'-0" E1/A2.01



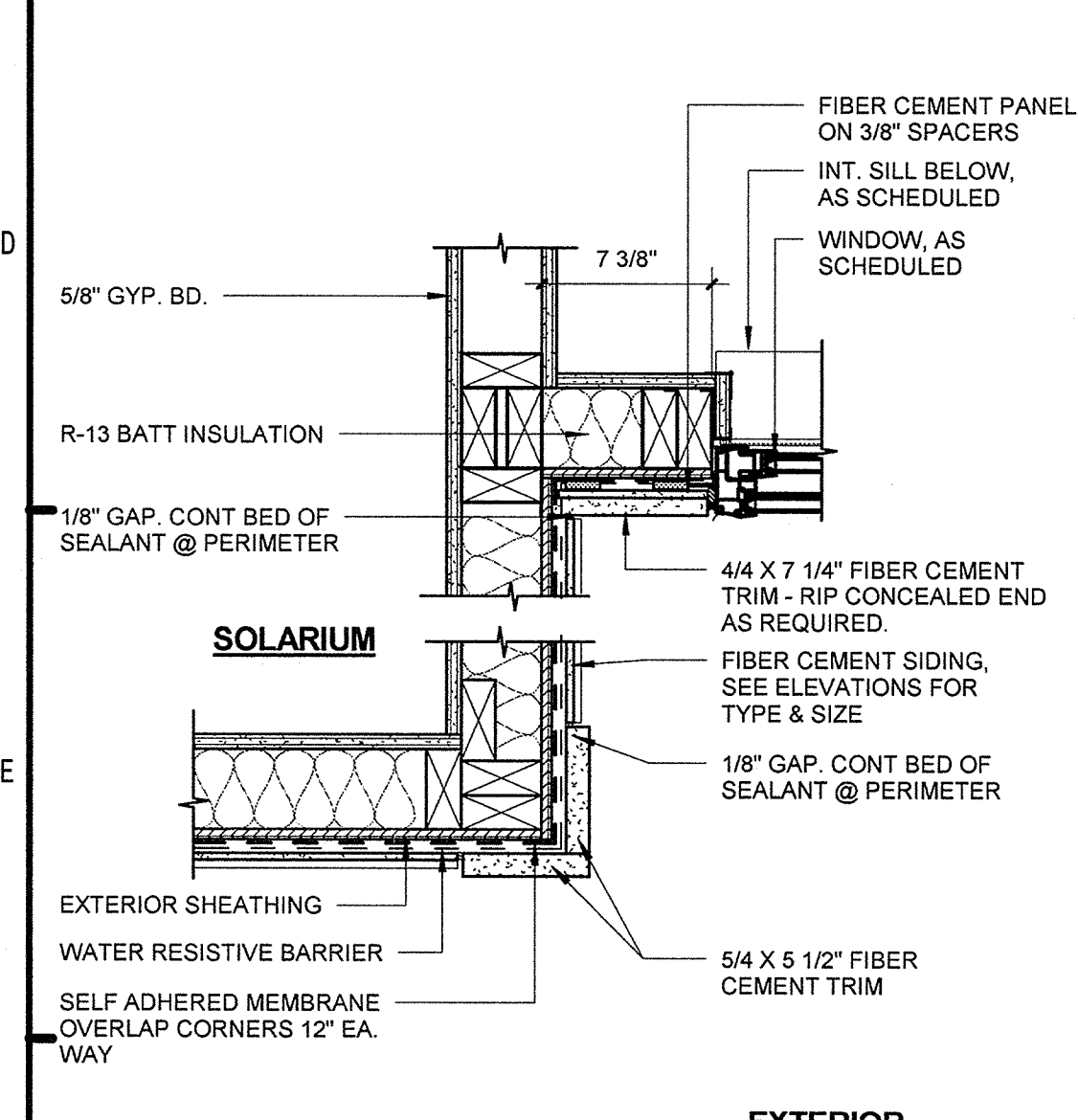
**C3** COLUMN DETAIL AT BREEZEWAY-SIDING  
1 1/2" = 1'-0" E1/A2.02



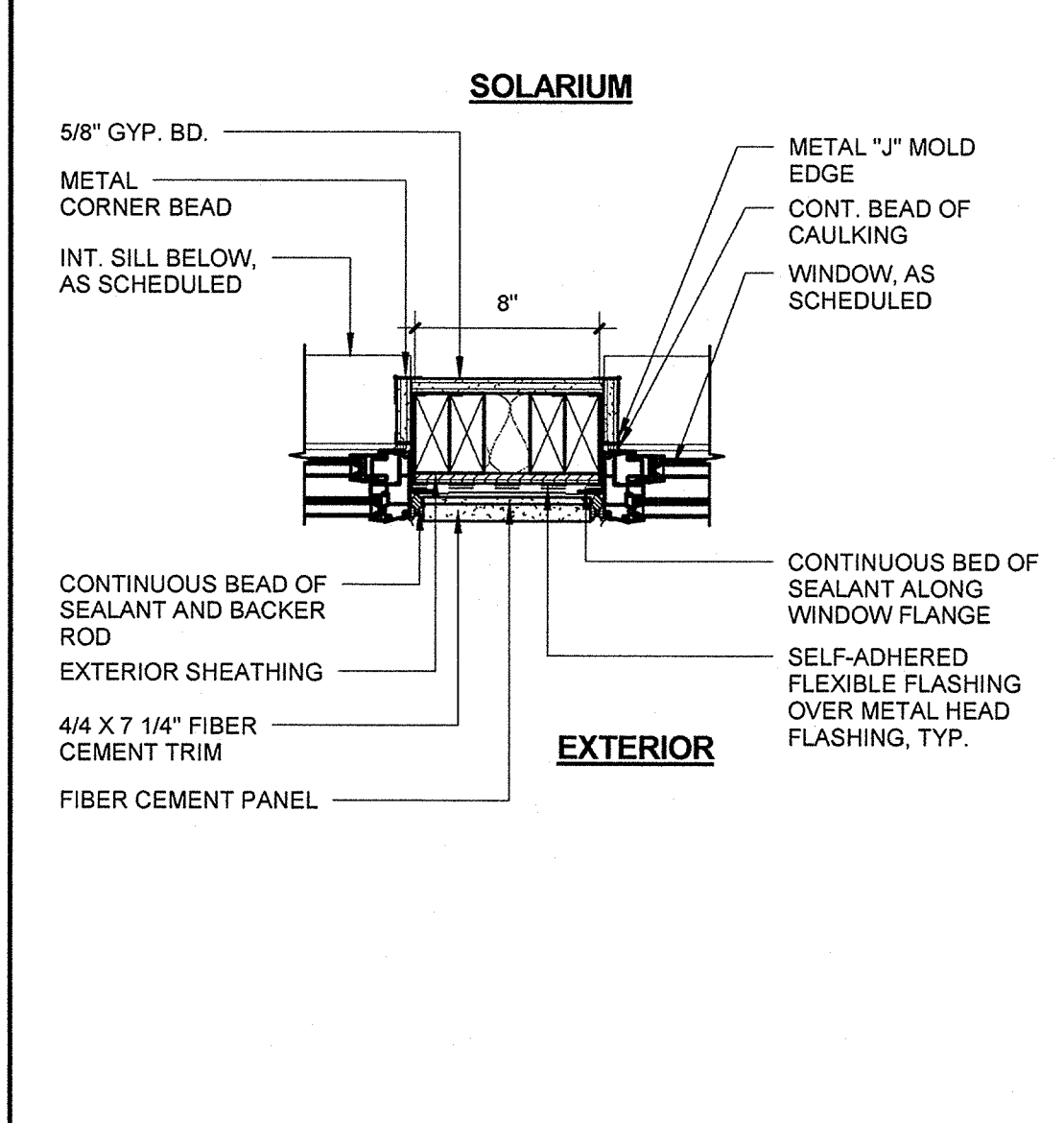
**C5** COLUMN DETAIL AT BREEZEWAY-PANEL  
1 1/2" = 1'-0" E1/A2.02



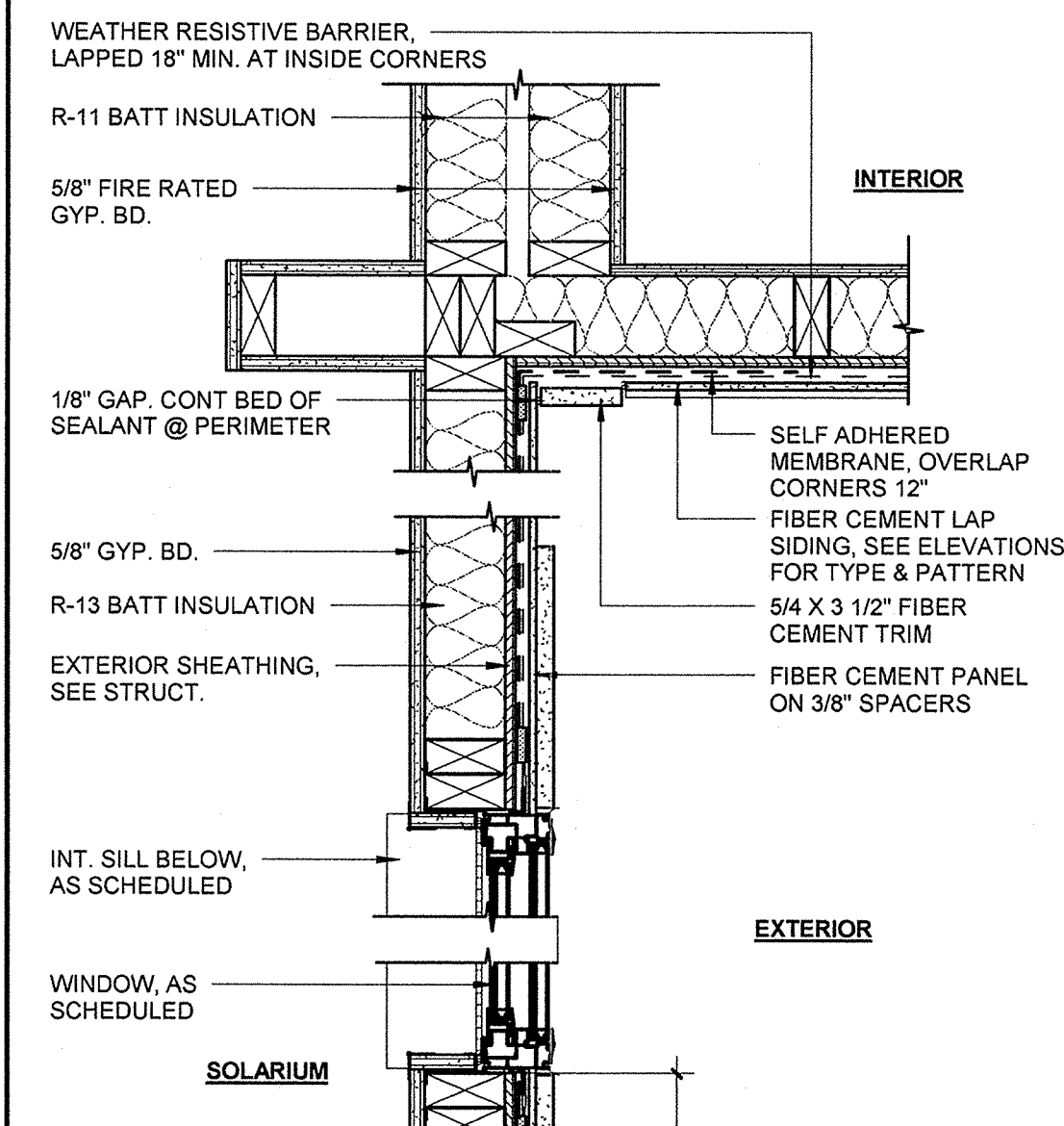
**C7** CORNER TAPING AND FLASHING INSTALLATION  
12" = 1'-0"



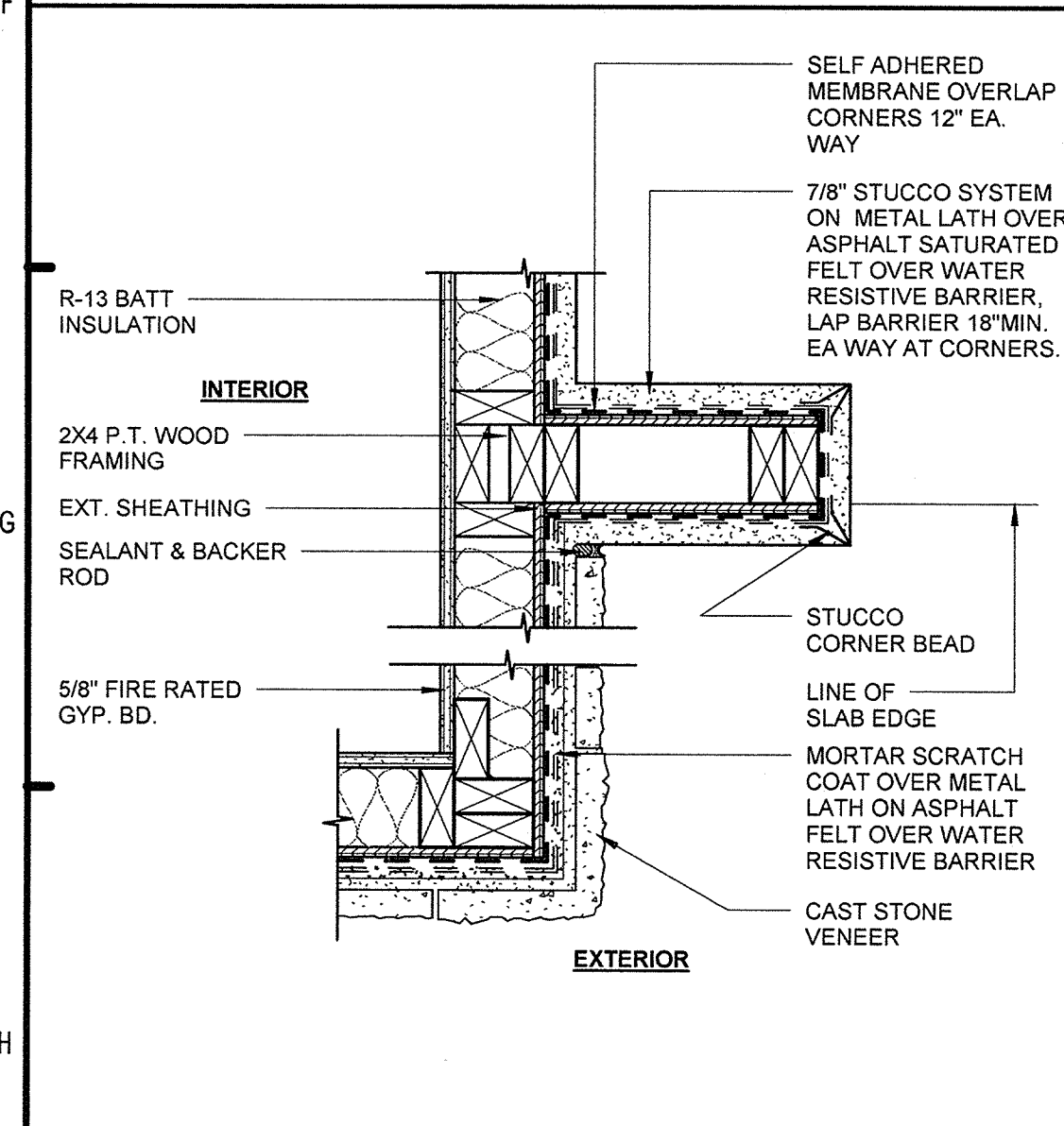
**E1** SOLARIUM CORNER PLAN DETAIL  
1 1/2" = 1'-0"



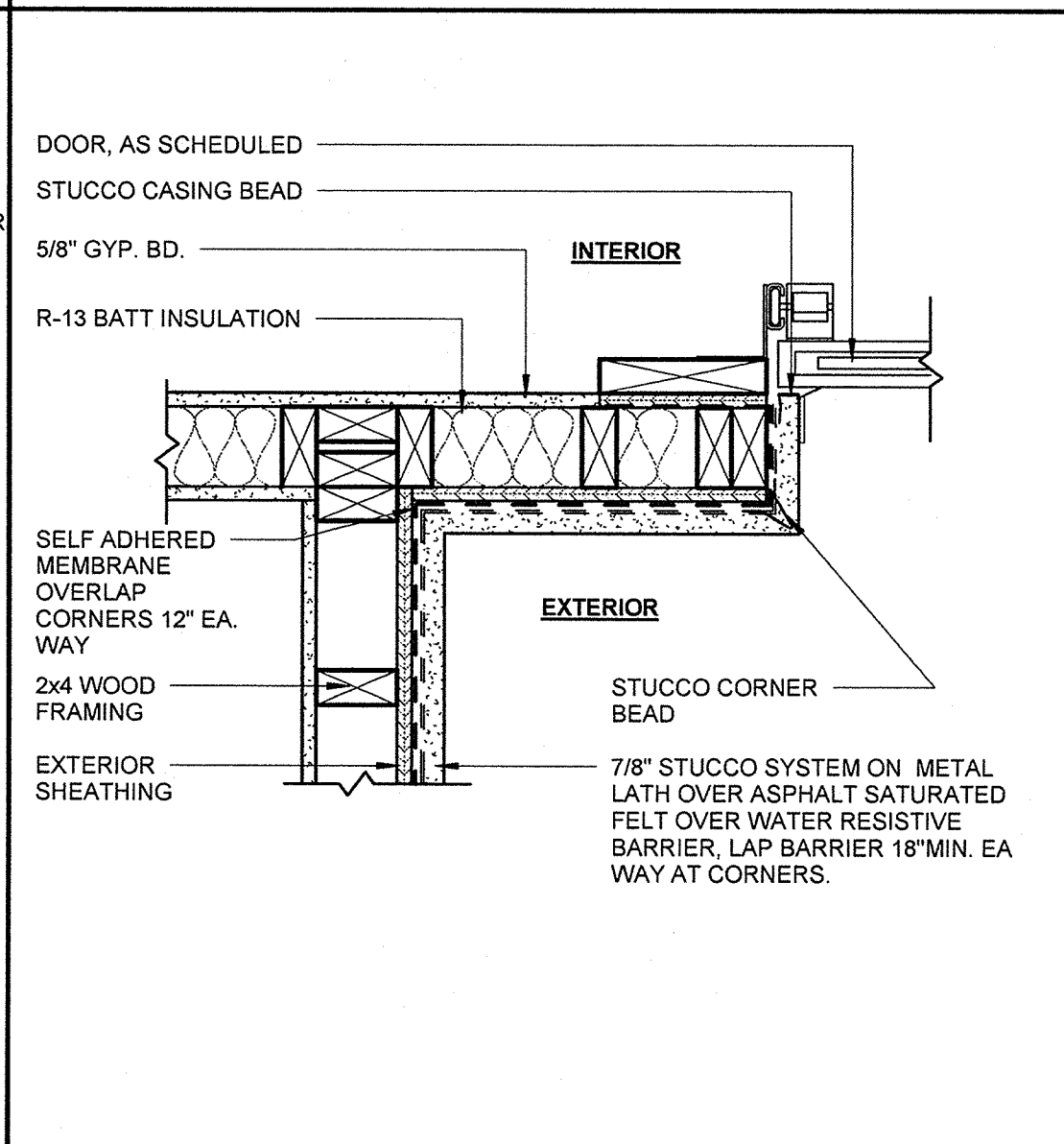
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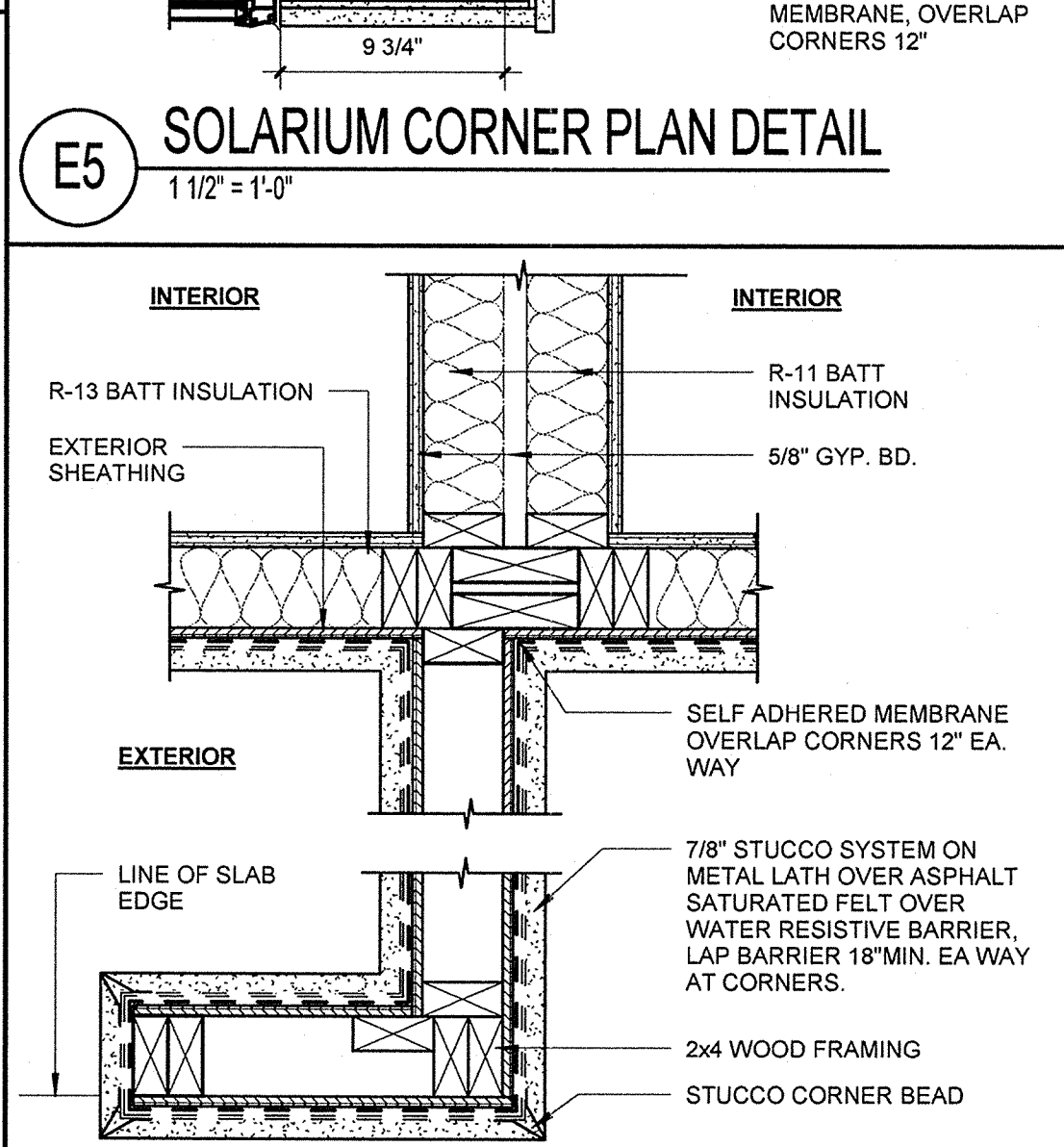
**E5** SOLARIUM CORNER PLAN DETAIL  
1 1/2" = 1'-0"



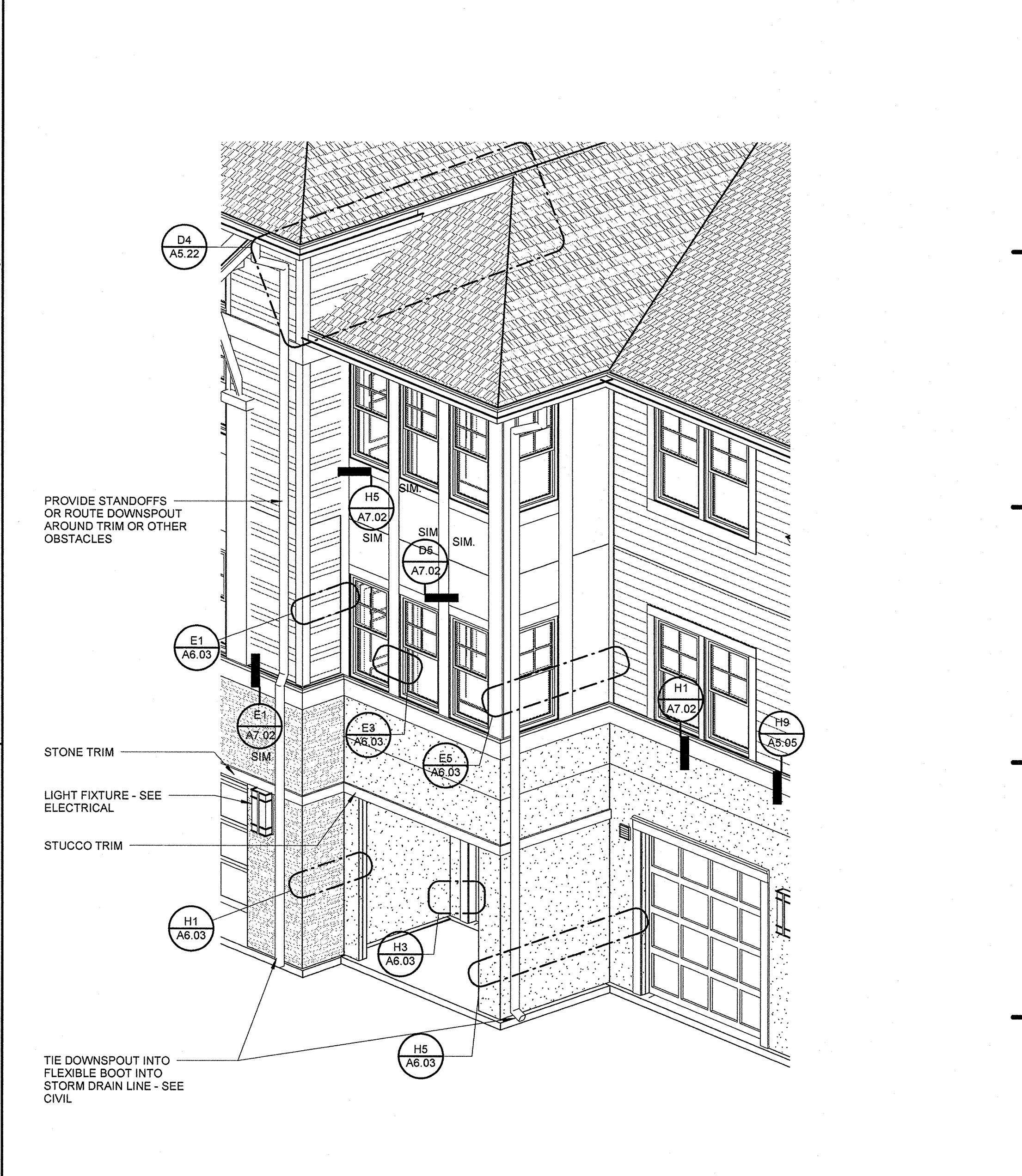
**H1** CORNER PLAN DETAIL (STONE GARAGE)  
1 1/2" = 1'-0"



**H3** GARAGE INSIDE CORNER PLAN (STUCCO)  
1 1/2" = 1'-0"



**H5** CORNER PLAN DETAIL (STUCCO GARAGE)  
1 1/2" = 1'-0"



**H7** SOLARIUM AXON  
12" = 1'-0"

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- SEE A7.03 - WINDOW AND DOOR TAPING FOR OF FLASHING STEPS AND PROCEDURES. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
- SEE PLANS FOR WALL SIZES, AND FOR APPROPRIATE WALL INSULATION THICKNESS.

**ISSUE HISTORY**

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**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**

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**SUMMER BAY APARTMENTS**  
Lake County, FL

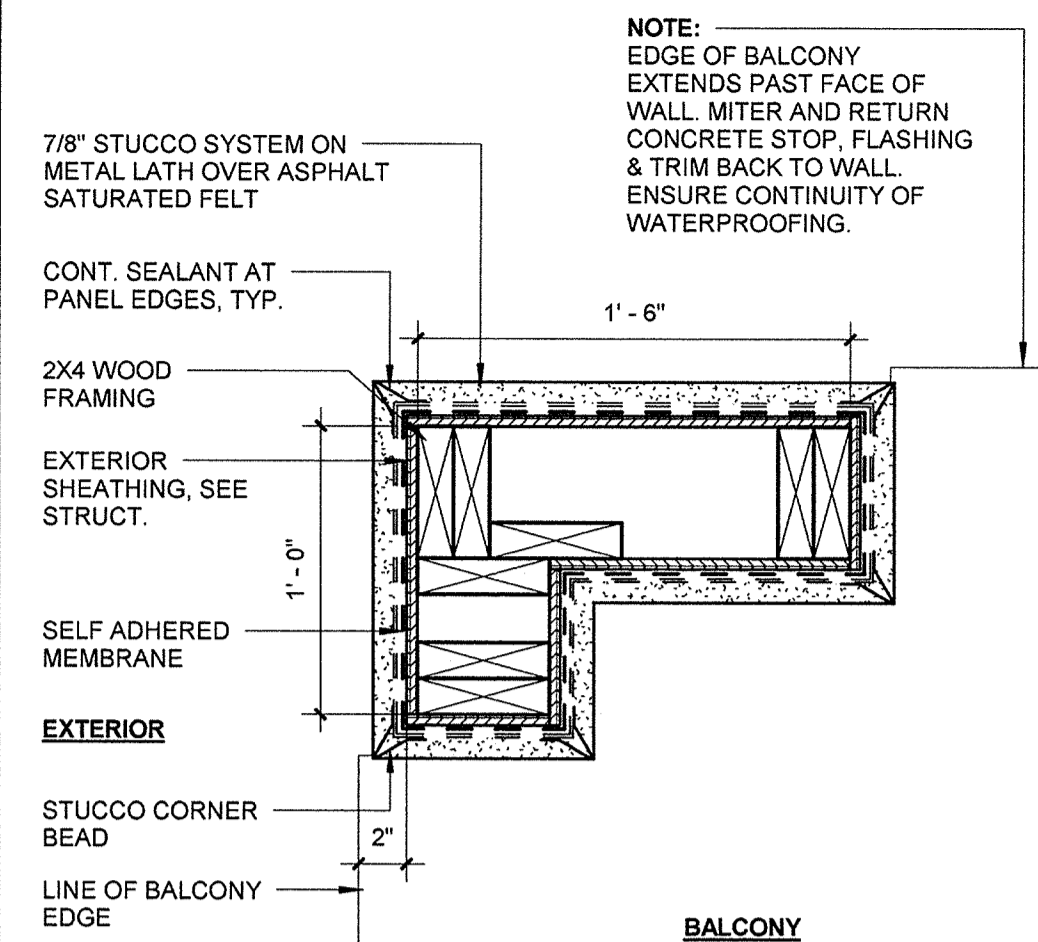
**SOLARIUM DETAILS**

**A6.03**

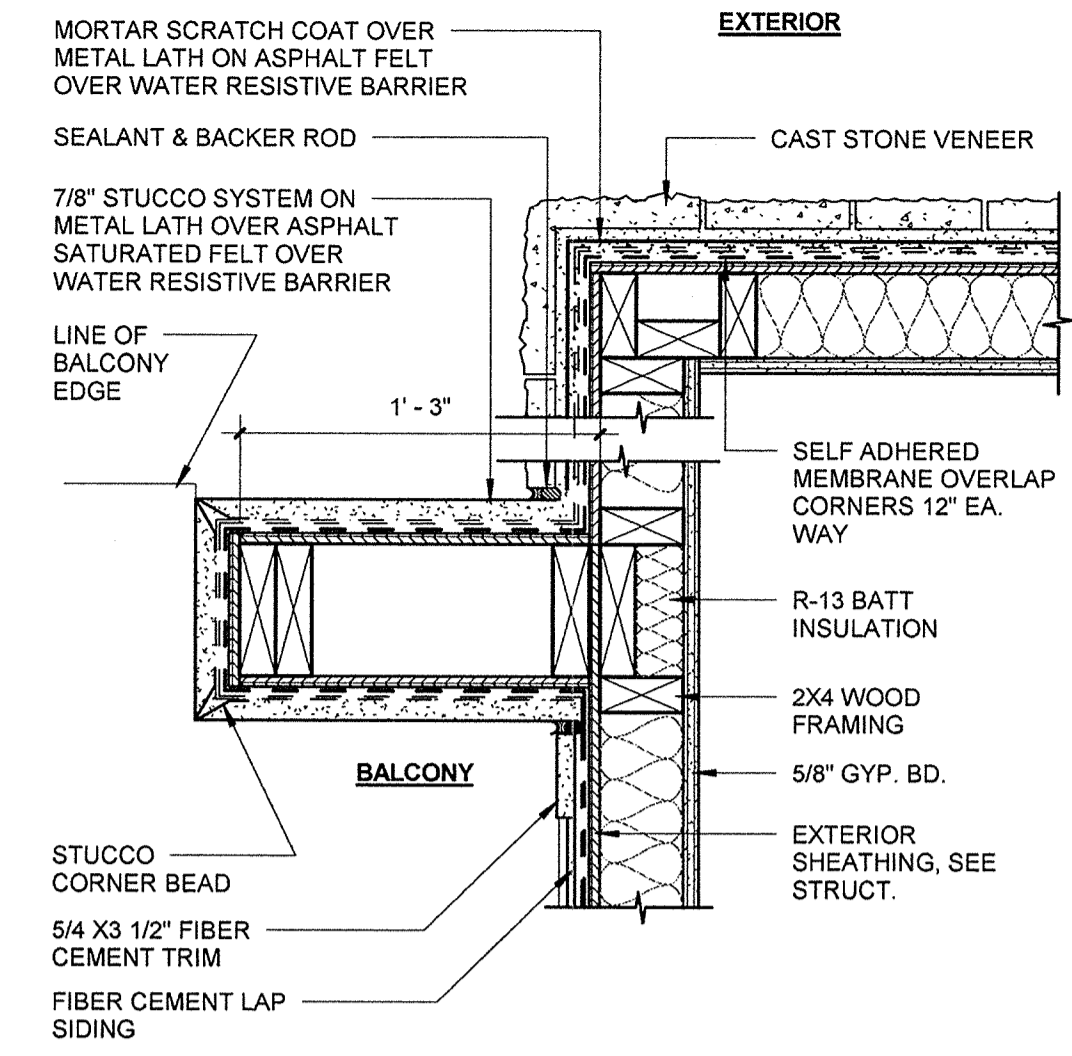
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Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5169

KEN LINDEBAH  
FLORIDA LICENSE # AR0017385

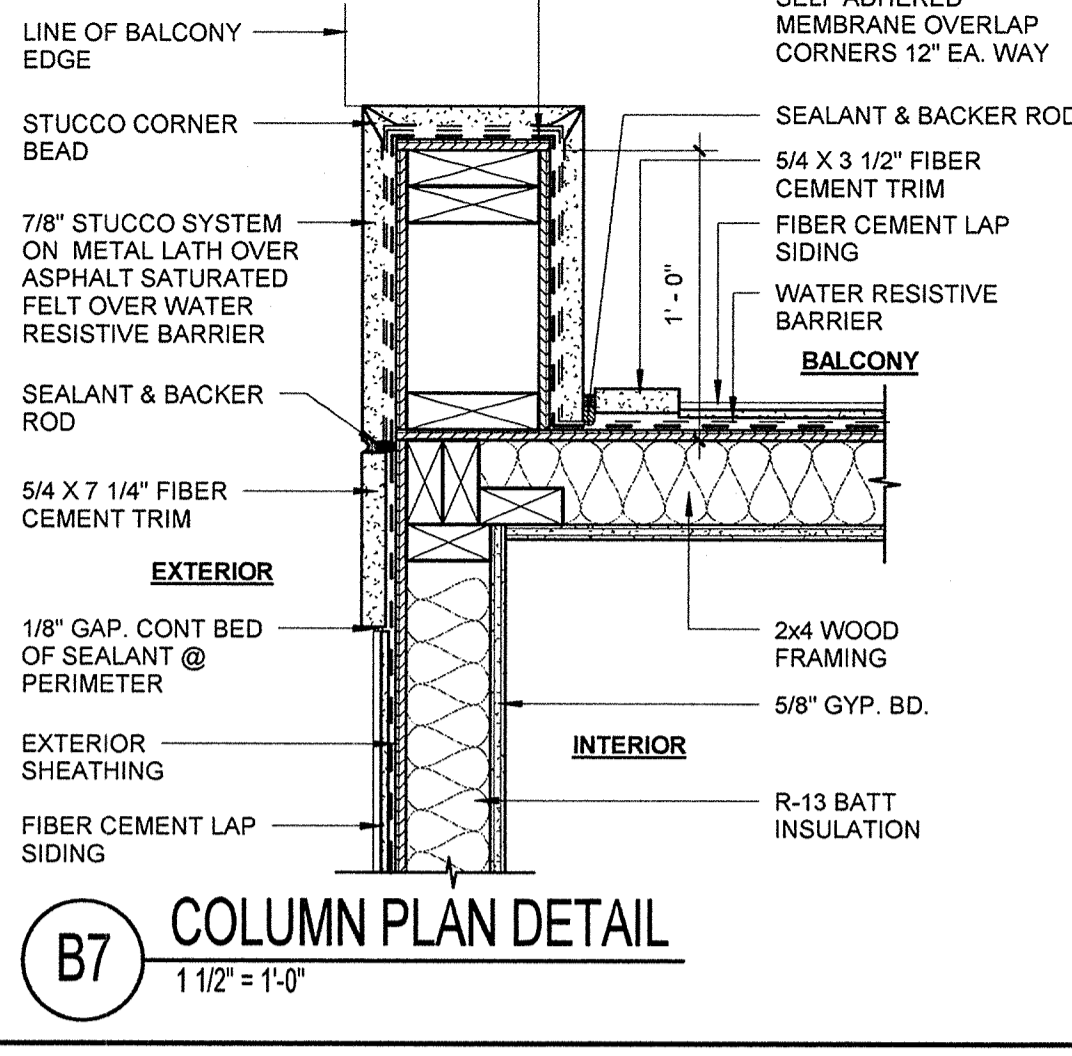
2/23/14



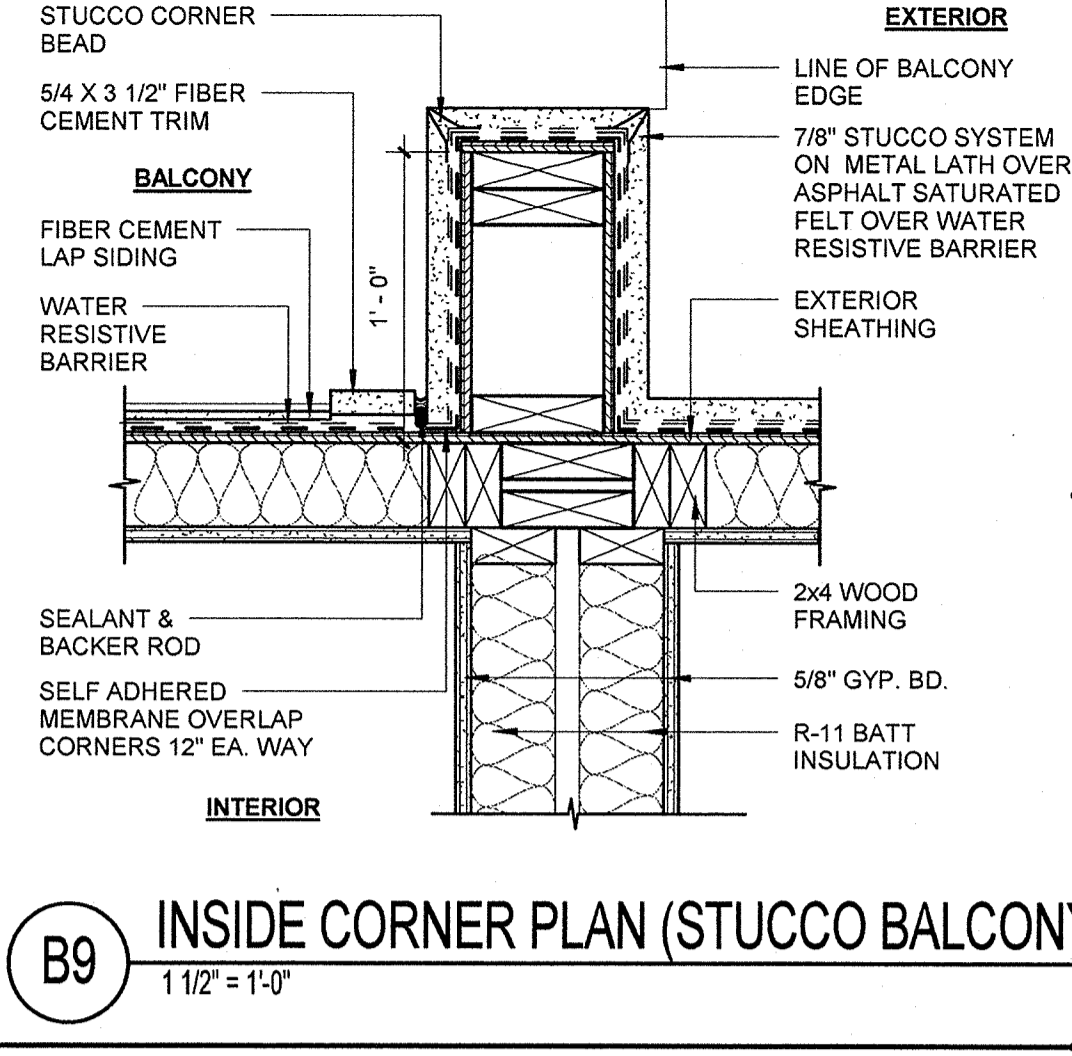
**C3 CORNER COLUMN**  
1 1/2" = 1'-0" E1/A2.01



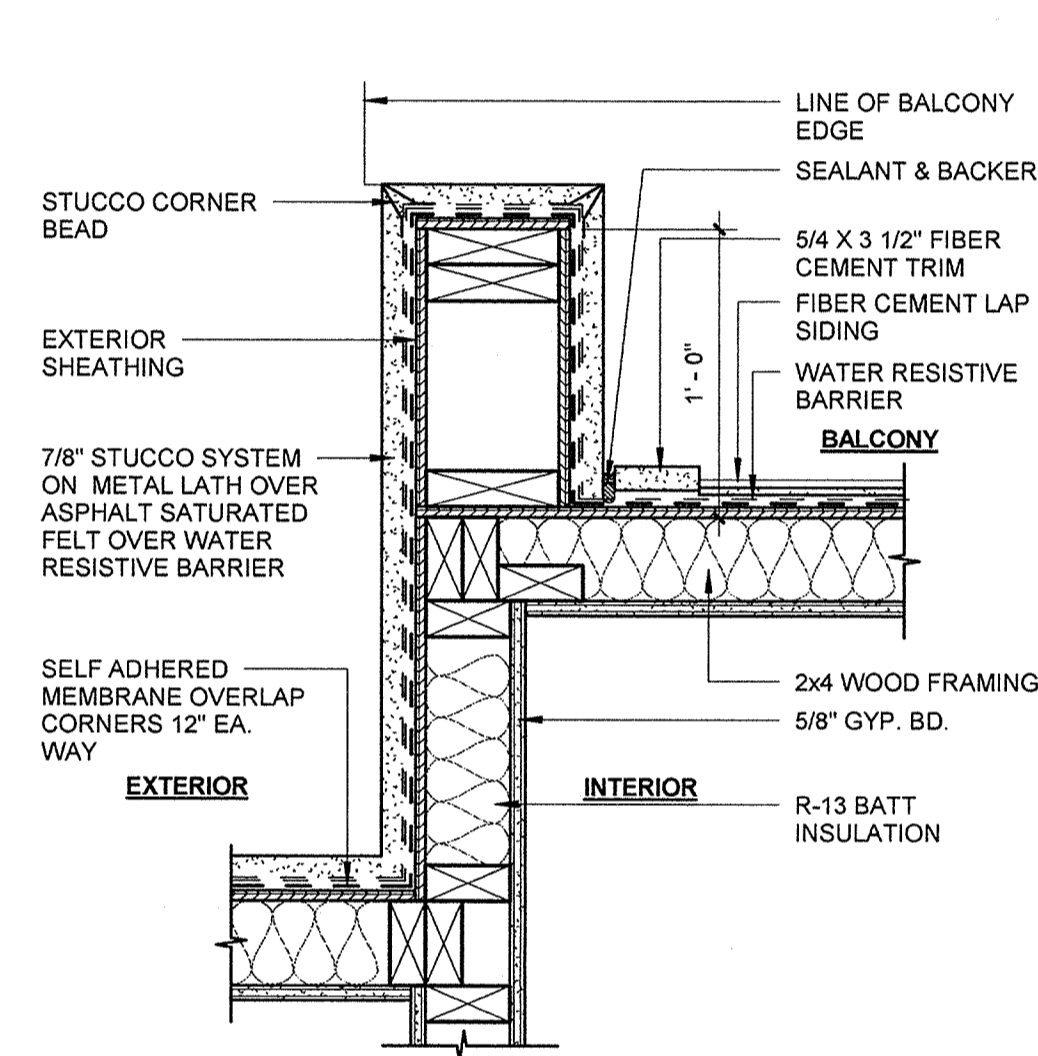
**C5 COLUMN PLAN DETAIL**  
1 1/2" = 1'-0" E1/A2.01



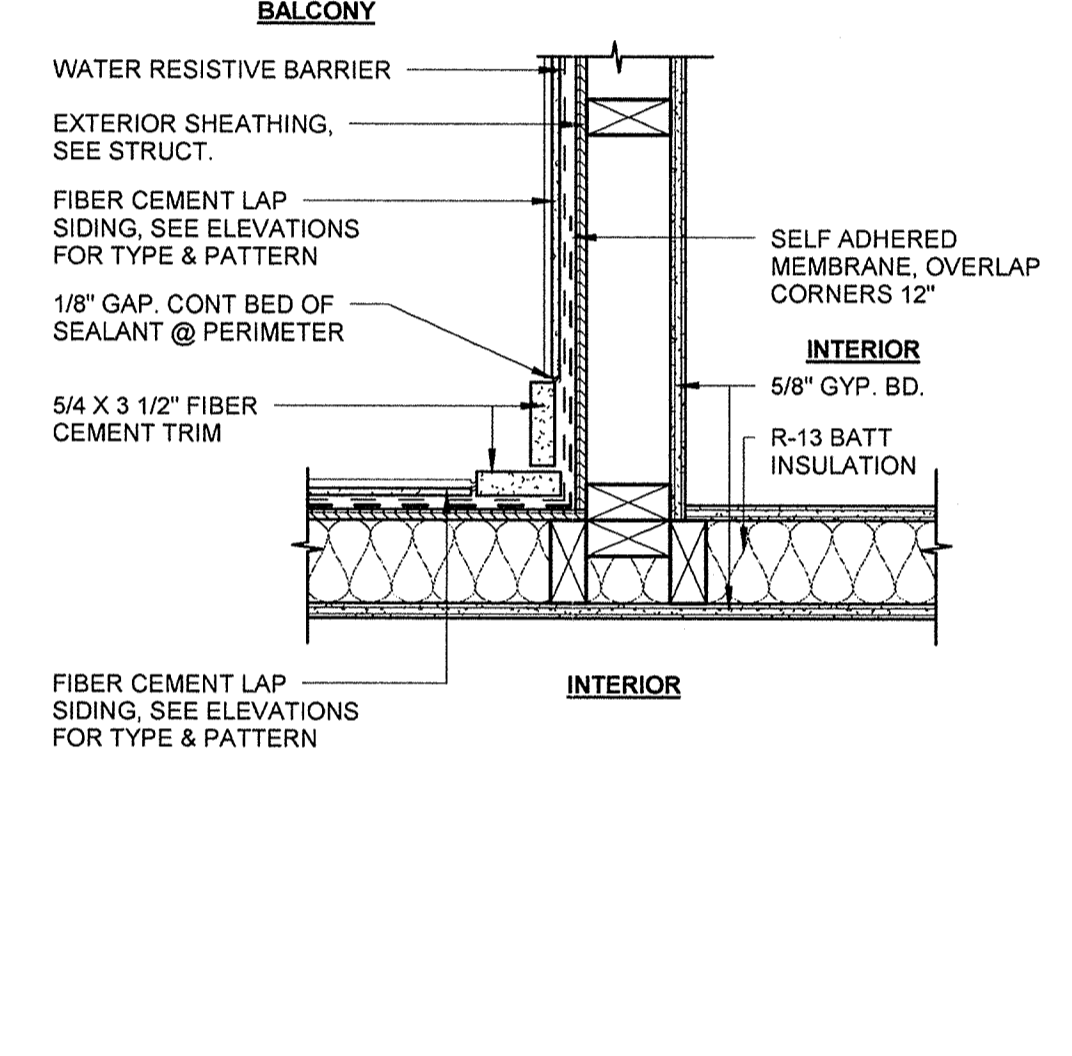
**B7 COLUMN PLAN DETAIL**  
1 1/2" = 1'-0"



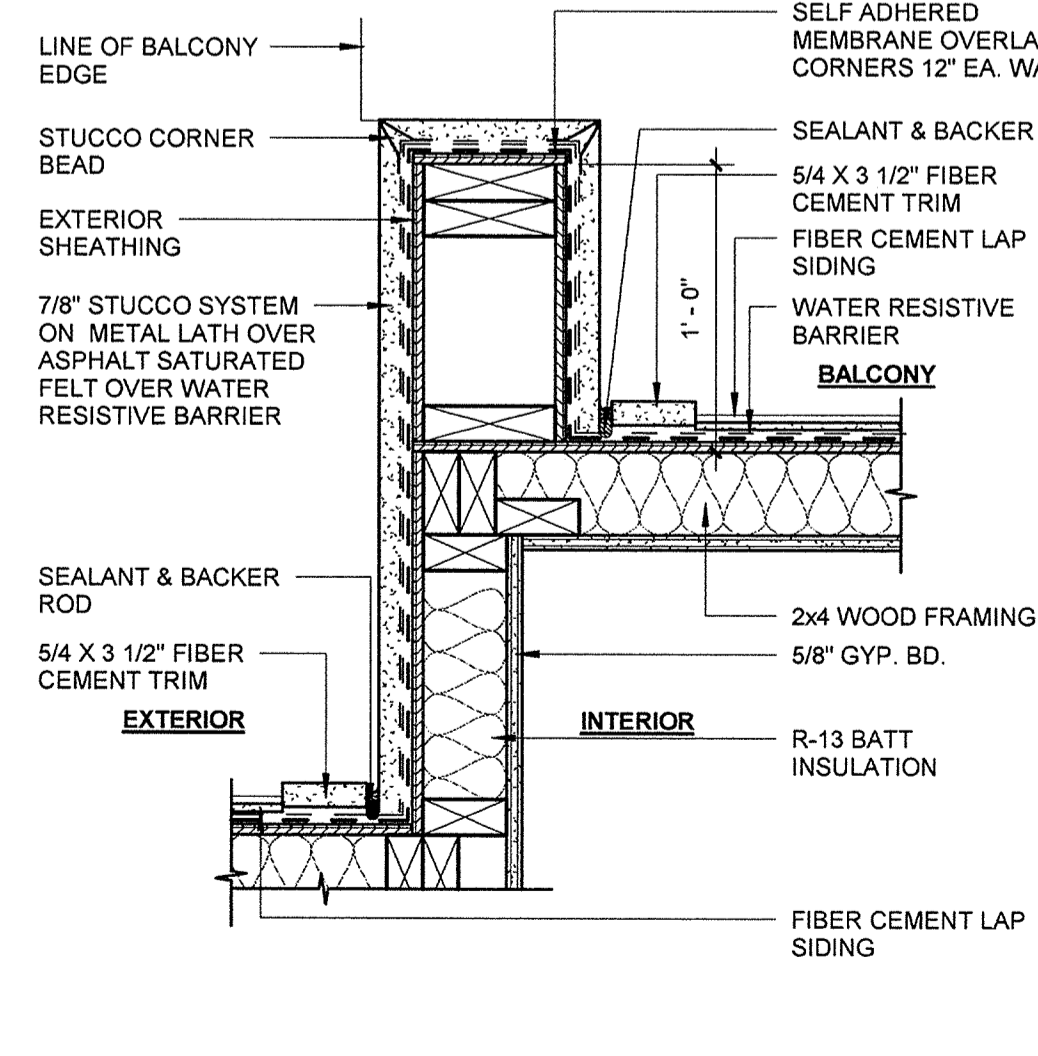
**B9 INSIDE CORNER PLAN (STUCCO BALCONY)**  
1 1/2" = 1'-0"



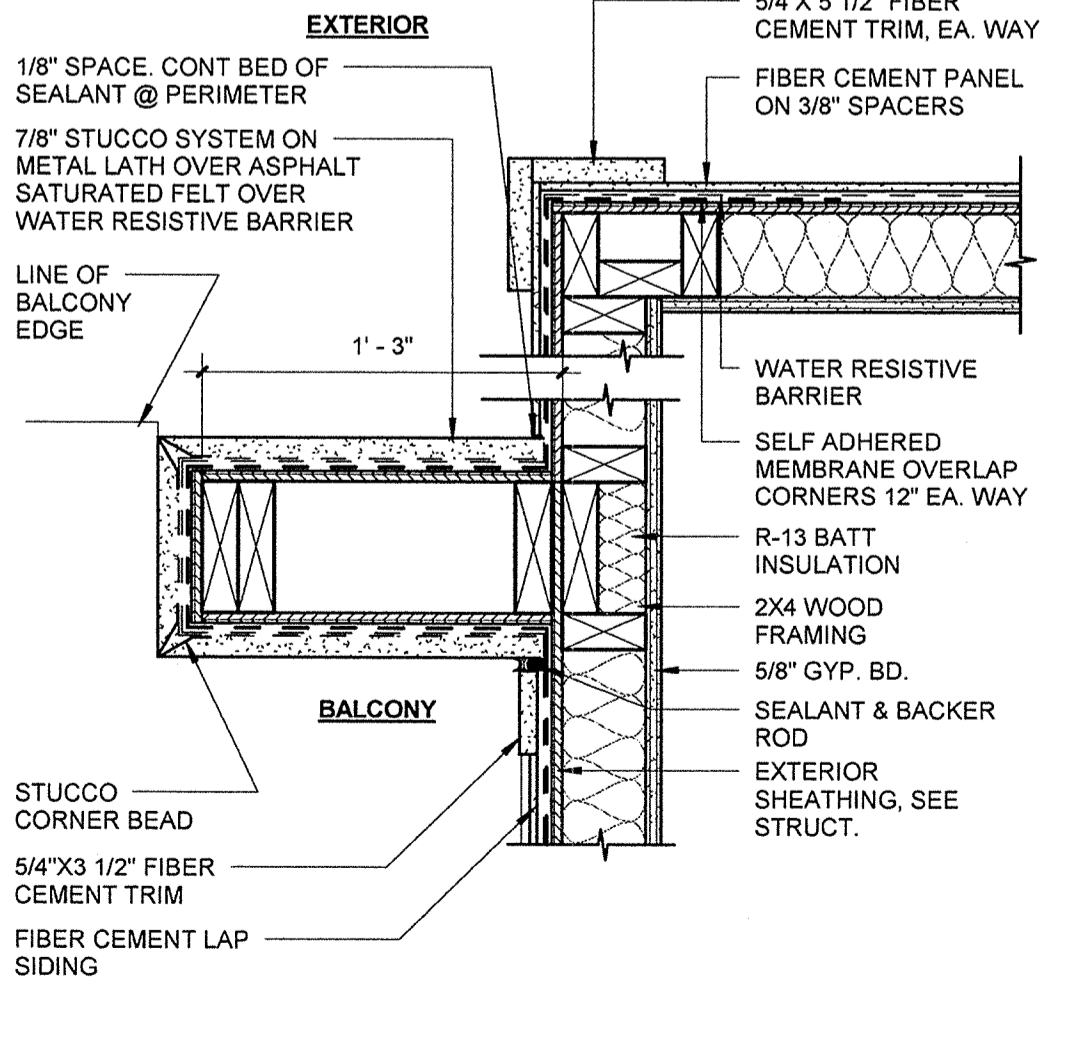
**F3 COLUMN PLAN DETAIL**  
1 1/2" = 1'-0" E1/A2.01



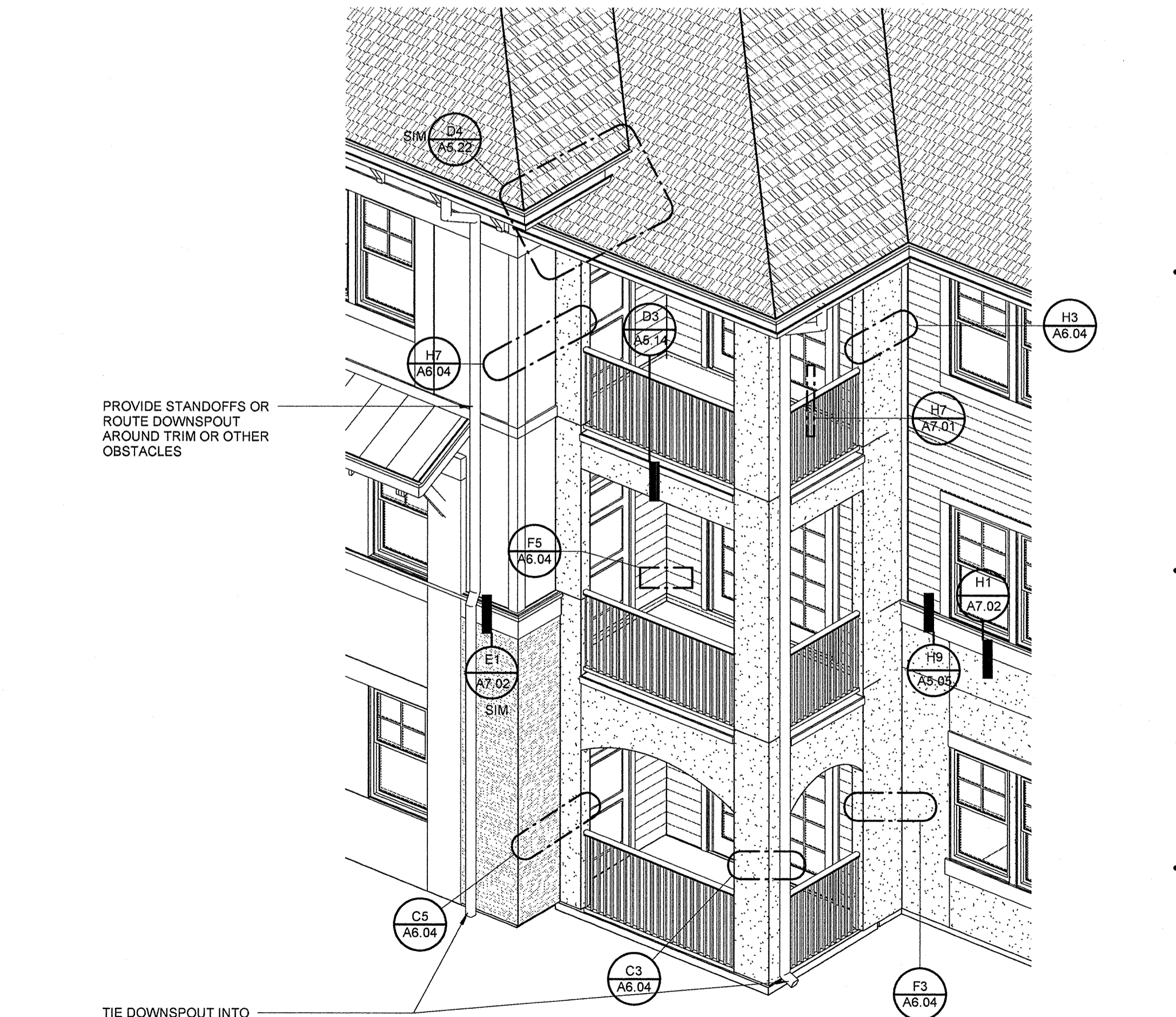
**F5 INSIDE CORNER PLAN**  
1 1/2" = 1'-0" E1/A2.01



**H3 COLUMN PLAN DETAIL**  
1 1/2" = 1'-0"



**H7 COLUMN PLAN DETAIL**  
1 1/2" = 1'-0"



**H9 BALCONY AXON**

**PERMIT REVIEW**

**NOTES:**

1. DETAILS MAY BE SHOWN 'EXPANDED' TO SHOW ADDITIONAL LEVELS OF DETAIL, SUCH AS THE LAPPING OF FLASHING. THIS MAY NOT REFLECT THE ACTUAL DIMENSIONALITY OR THICKNESS OF A PARTICULAR PRODUCT (i.e. STUCCO) - REFER TO SPECIFICATIONS FOR APPLICATION AND PRODUCT THICKNESSES.
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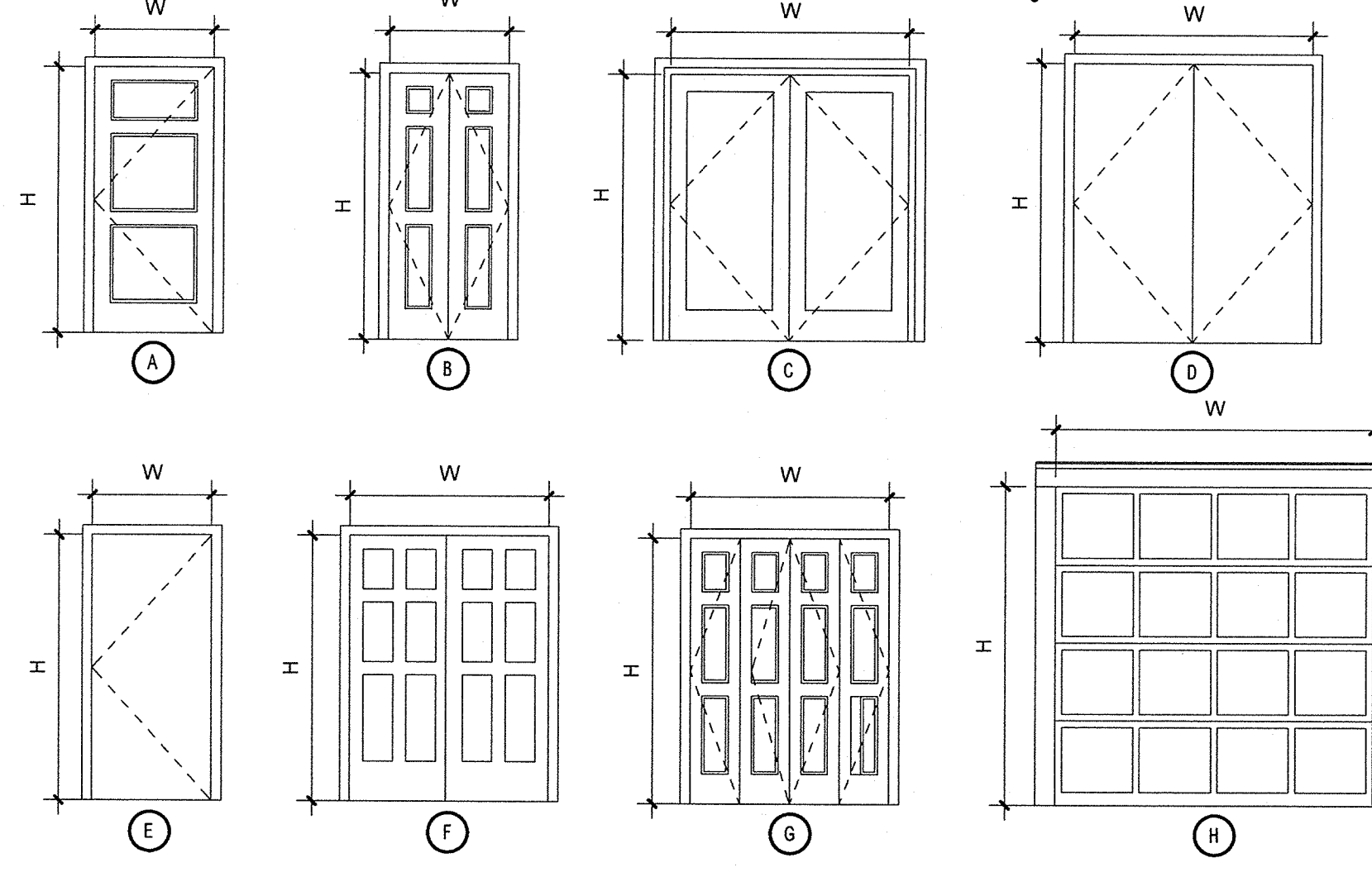
**FUGLEBERG KOCH**  
PLLC  
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0395  
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**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
Lake County, FL  
**BALCONY DETAILS**  
A6.04

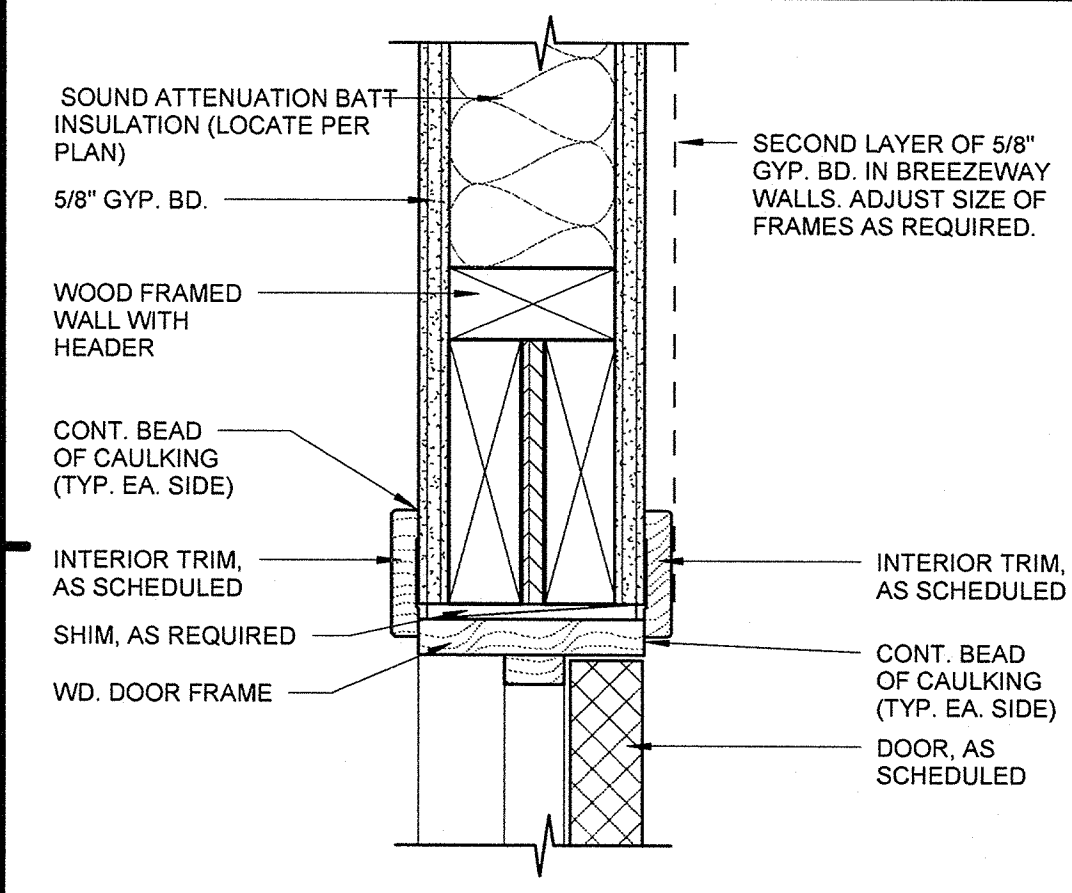
REN LINDEMAN  
FLORIDA LICENSE # AR0017385  
11/15/2013



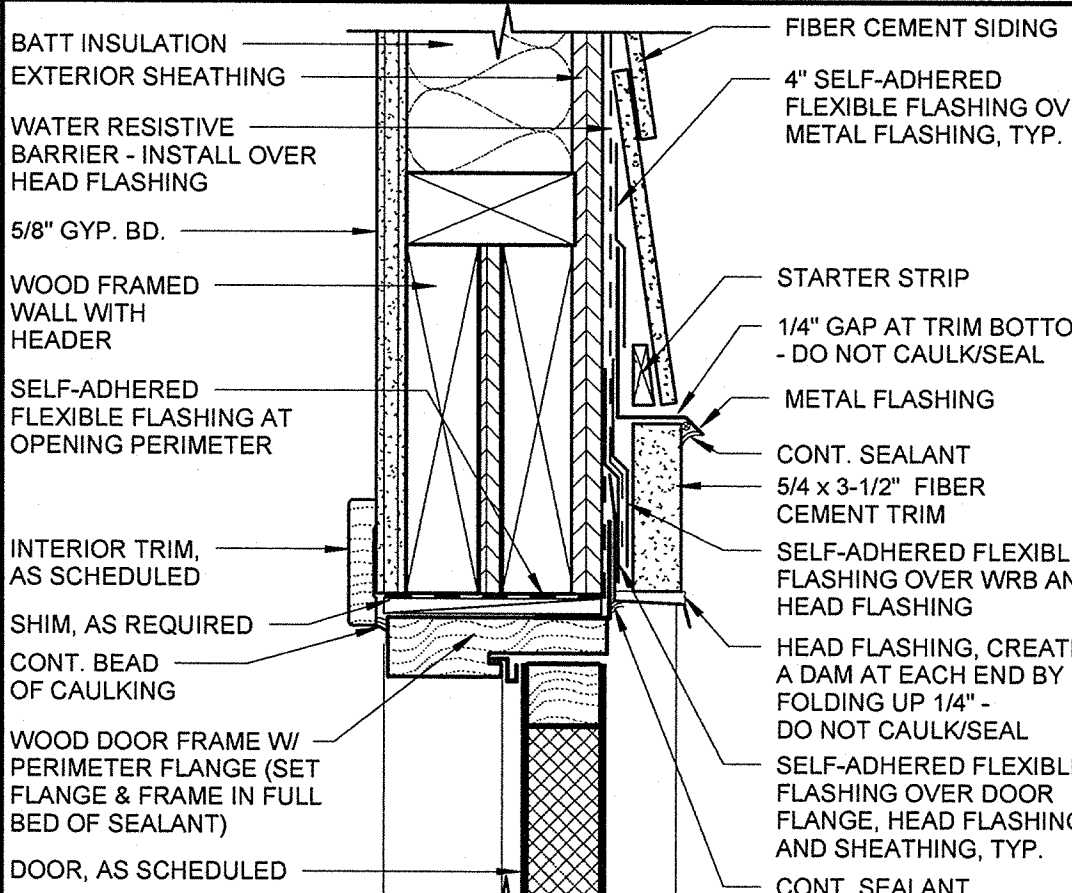


**DOOR TYPES**  
1/4" = 1'-0"

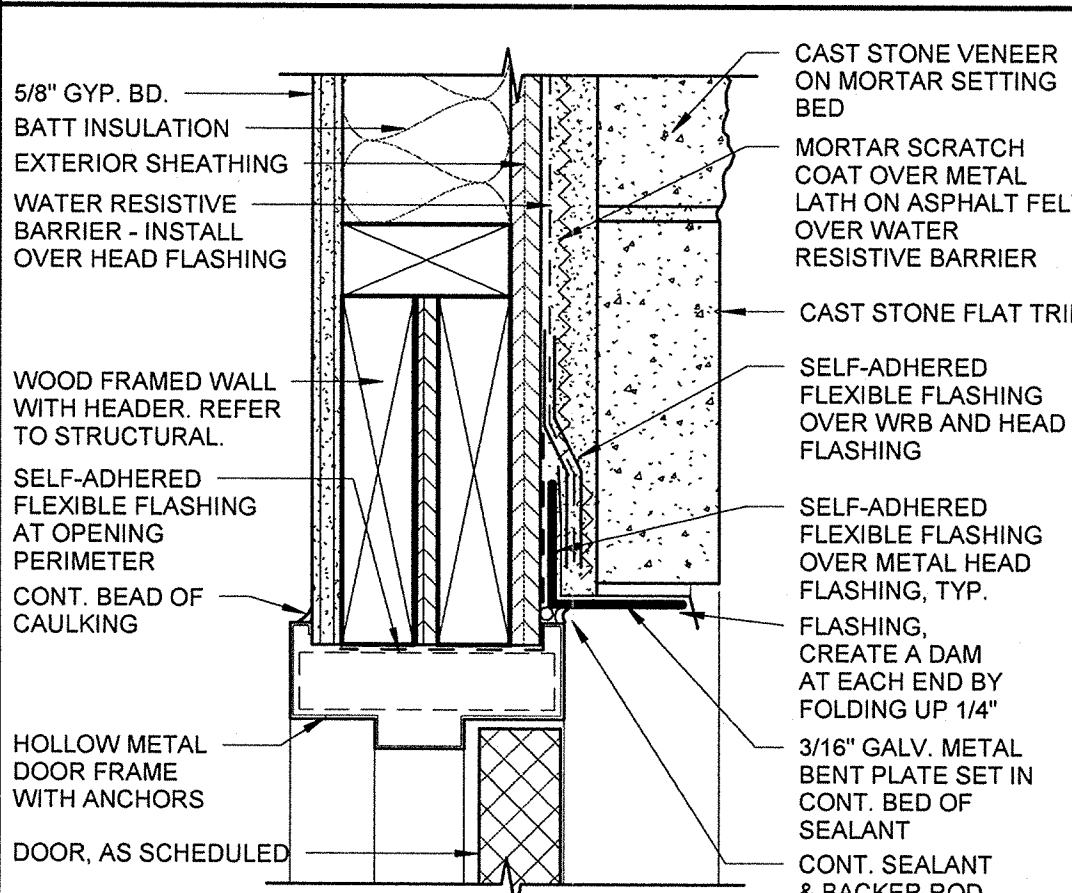
DOOR SCHEDULE - BY TYPE MARK (LEVELS)													
MARK	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FRAME			DOOR RATING	HARDWARE SET	REMARKS		
						MATERIAL	HEAD	JAMB					
C1	H	8'-0"	8'-0"	1 1/2"	STEEL	-	D7 - D9/A7.01	F7 - F9/A7.01		1	GARAGE DOOR		
C2	E	3'-0"	6'-8"		WD / STEEL	WD / H.M.	D1-D3-D5/A7.01	F1-F3-F5/A7.01		20 MIN.	2	GARAGE / STORAGE / UTIL DOOR	
C3	D	6'-0"	6'-8"	1 3/4"	STEEL	H.M.	D3 - D6/A7.01	F3 - F6/A7.01		20 MIN.	3	DOUBLE UTILITY DOOR	
U1	E	3'-0"	6'-8"	1 3/4"	WD / STEEL	WD / H.M.	D1-D3-D5/A7.01	F1-F3-F5/A7.01	G3 - H5 / A7.01	20 MIN.	U-1	GARAGE / STORAGE / UTIL DOOR	
U2	B	3'-0"	6'-8"	1 3/8"	WD	WD	D1/A7.01	F1/A7.01	H1/A7.01		U-2	PAIR PASSAGE	
U3	A	2'-10"	6'-8"	1 3/8"	WD	WD	D1/A7.01	F1/A7.01	G1 - H1 / A7.01		U-3	PRIVACY - INTERIOR	
U4	A	2'-10"	6'-8"	1 3/8"	WD	WD	D1/A7.01	F1/A7.01	G1 - H1 / A7.01		U-4		
U5	C	6'-0"	6'-8"	1 3/4"	WD	WD	D3/A7.01	F3/A7.01	G3/H7 A7.01		U-5	FRENCH PATIO DOOR & SIDELITE	
U6A	A	3'-0"	6'-8"	1 3/8"	STEEL	H.M.	D5/A7.01	F5/A7.01	H3 - H5/A7.01		U-6A	PRIVACY - EXTERIOR STORAGE, INSUL	
U6B	A	3'-0"	6'-8"	1 3/8"	STEEL	H.M.	D5/A7.01	F5/A7.01	H3 - H5/A7.01		U-6B	PRIVACY - EXTERIOR STORAGE, INSUL	
U7	G	5'-0"	6'-8"	1 3/8"	WD	-	H5/A7.02	-	H9/A7.01		U-7	DOUBLE BI-FOLD	
U8	F	5'-0"	6'-8"	1 3/8"	WD	-	G1/A7.02	-	H1/A7.02		U-8	SLIDING BYPASS	



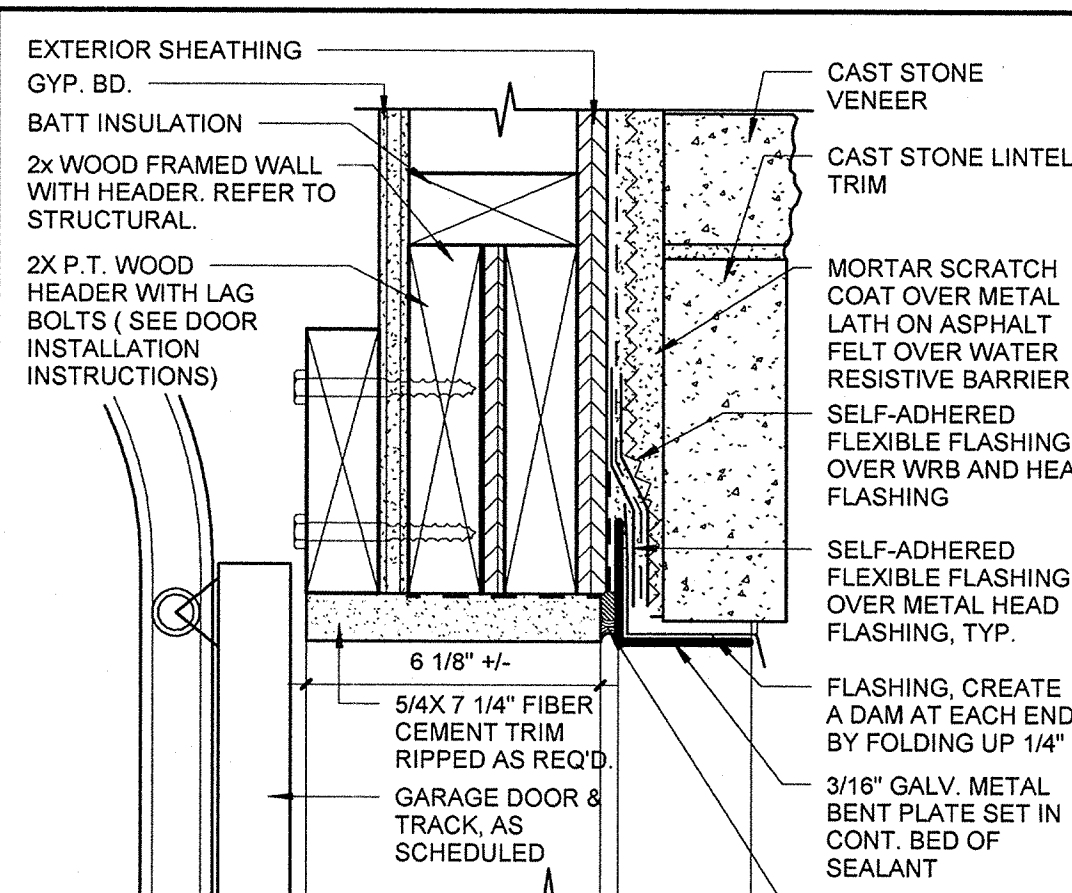
**D1 TYPICAL INTERIOR DOOR HEAD**  
3' = 1'-0"



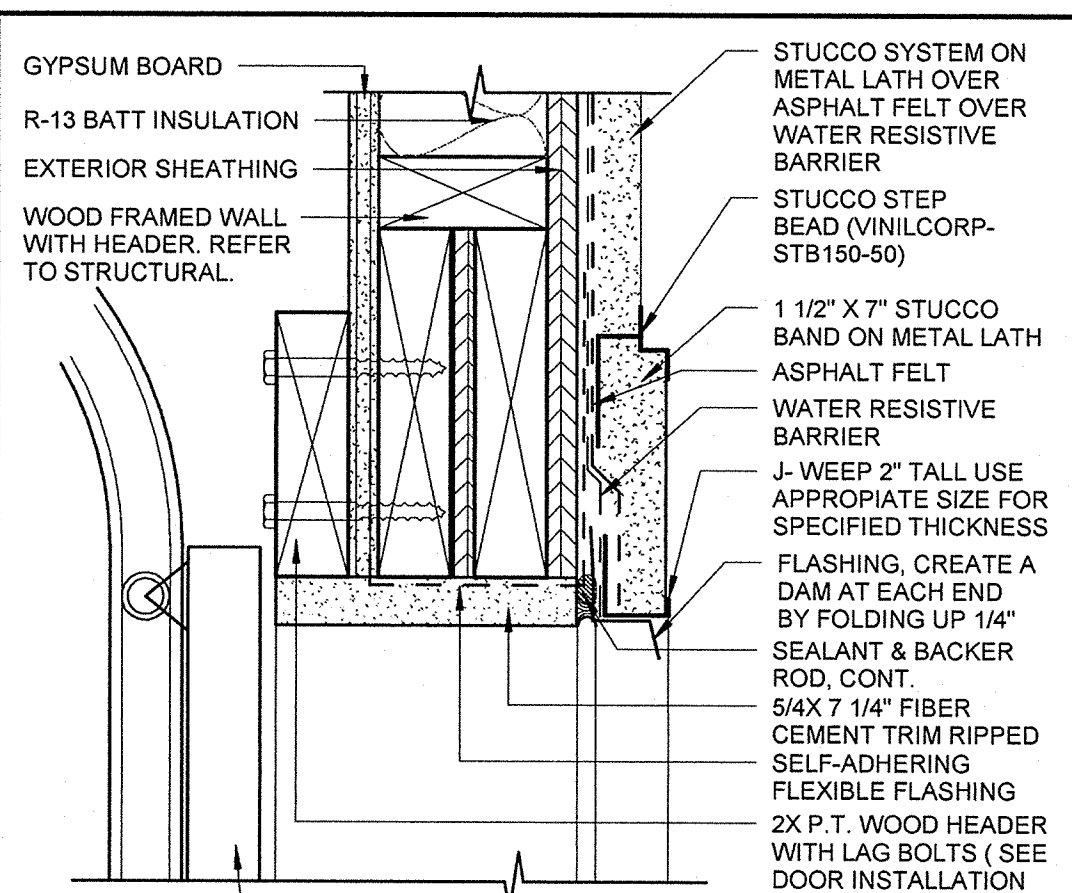
**D3 DOOR HEAD (SIDING)**  
3' = 1'-0"



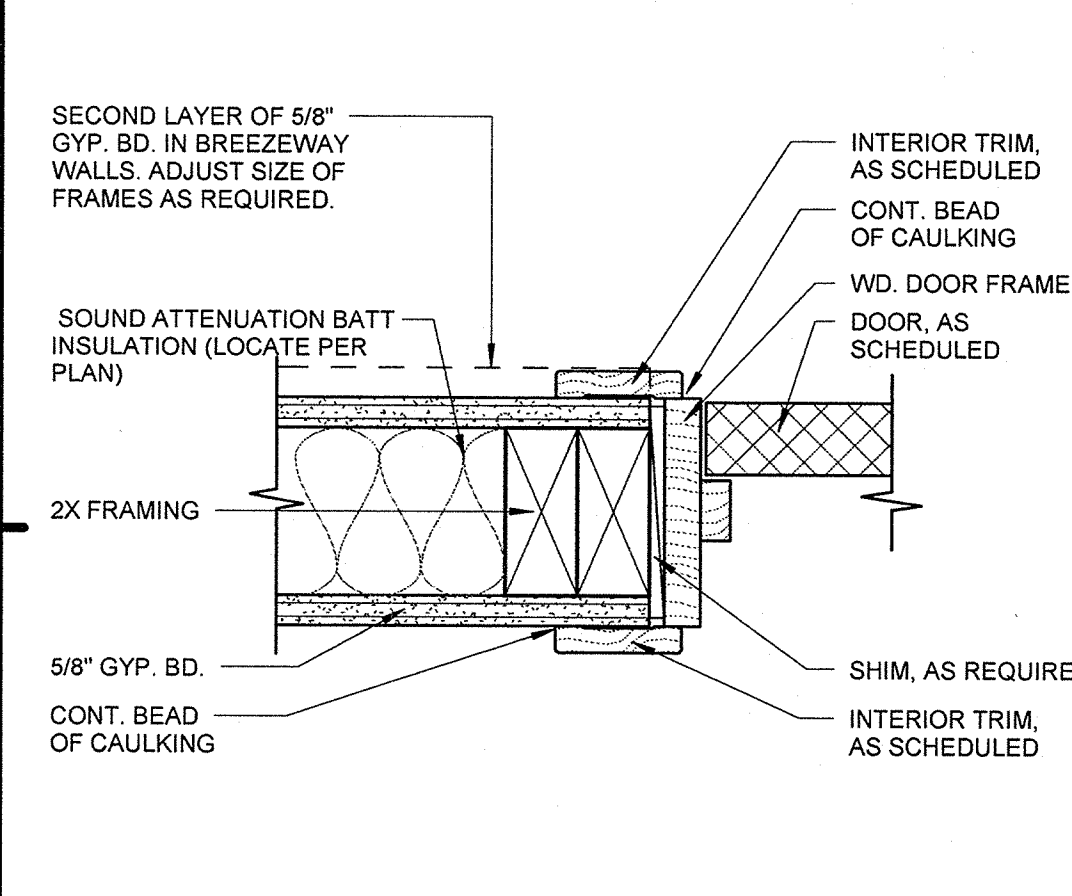
**D5 EXTERIOR DOOR HEAD (STONE)**  
3' = 1'-0"



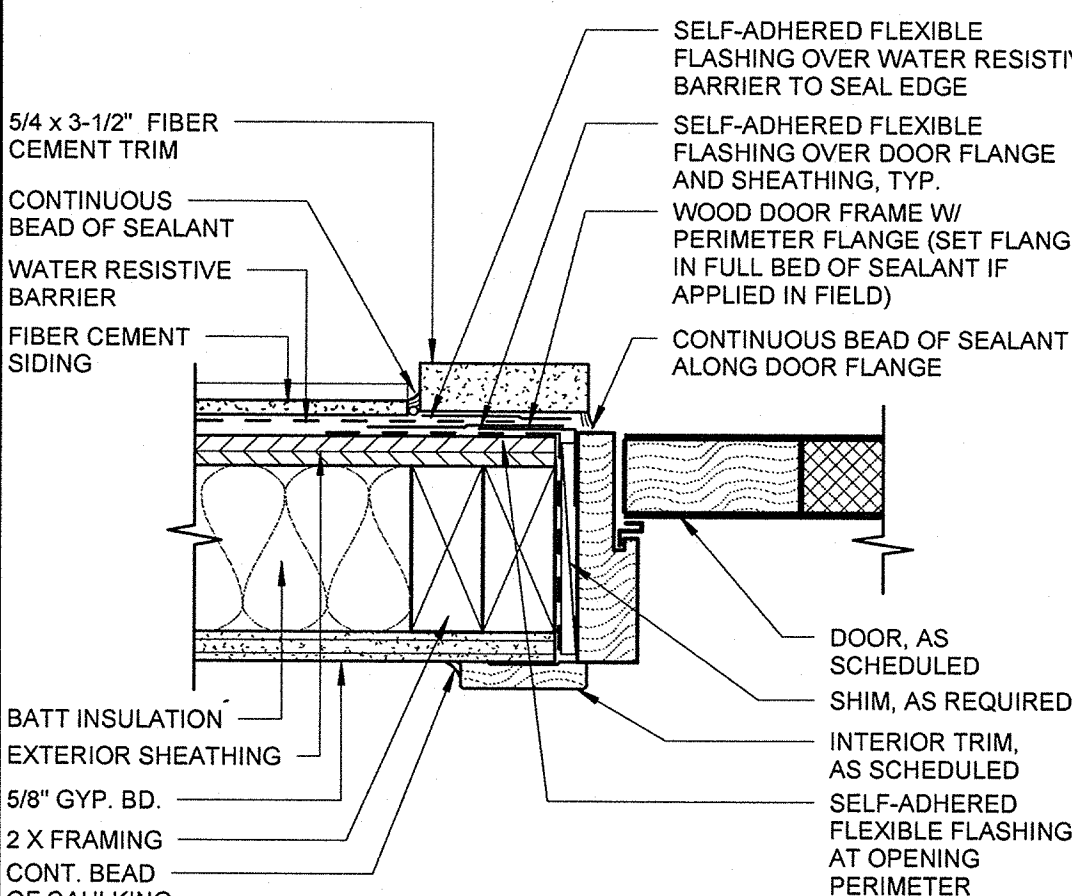
**D7 GARAGE DOOR HEAD (STONE)**  
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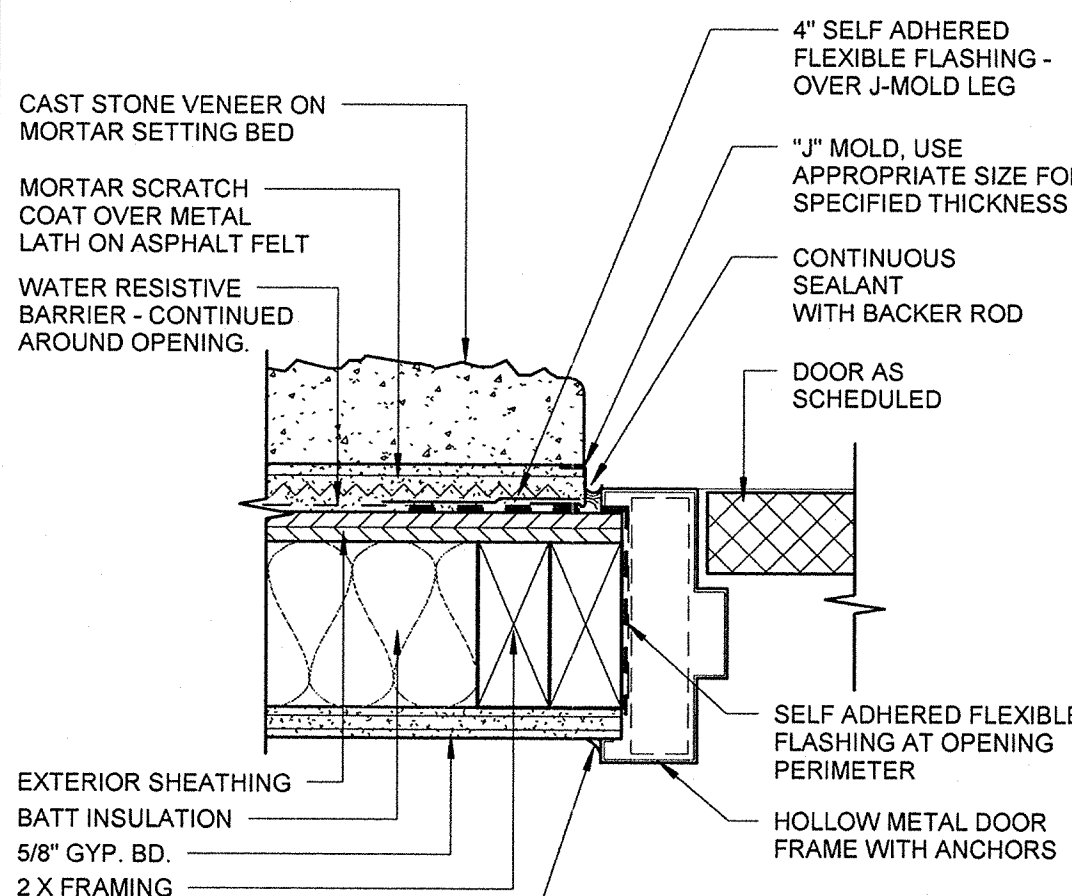
**D9 GARAGE DOOR HEAD (STUCCO)**  
3' = 1'-0"



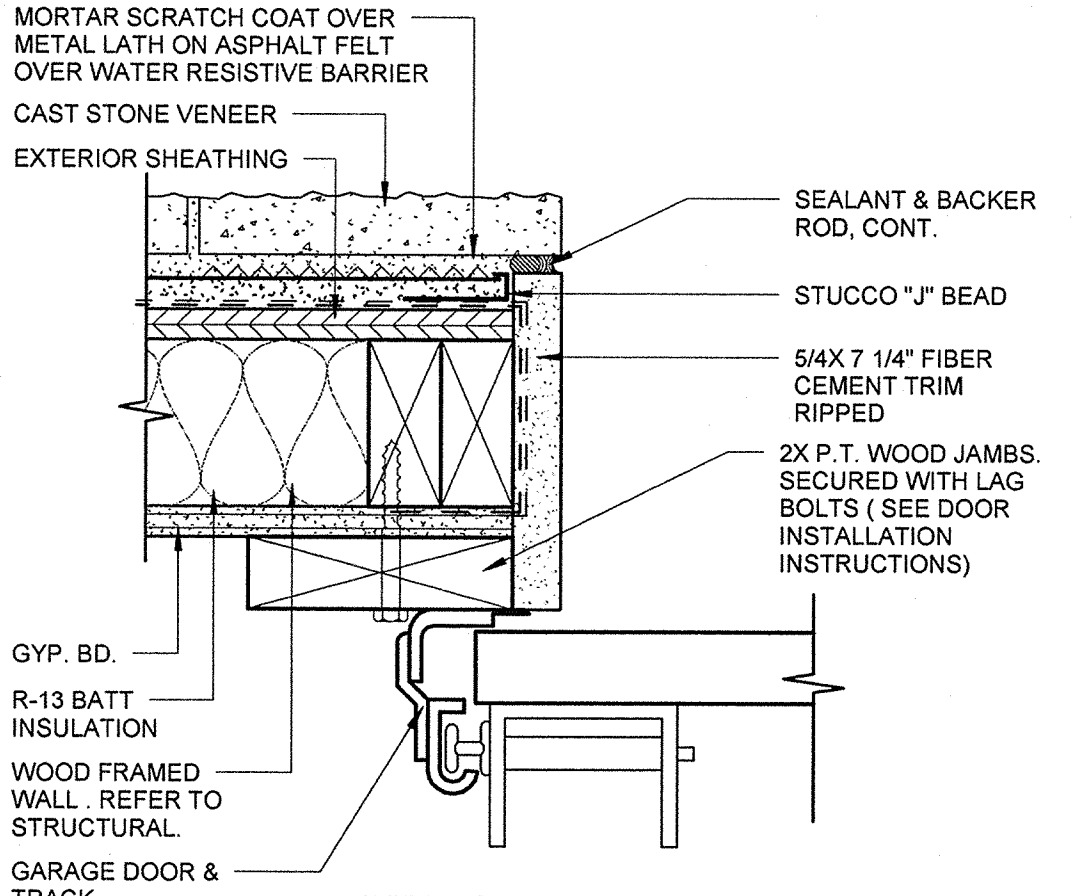
**F1 TYPICAL INTERIOR DOOR JAMB**  
3' = 1'-0"



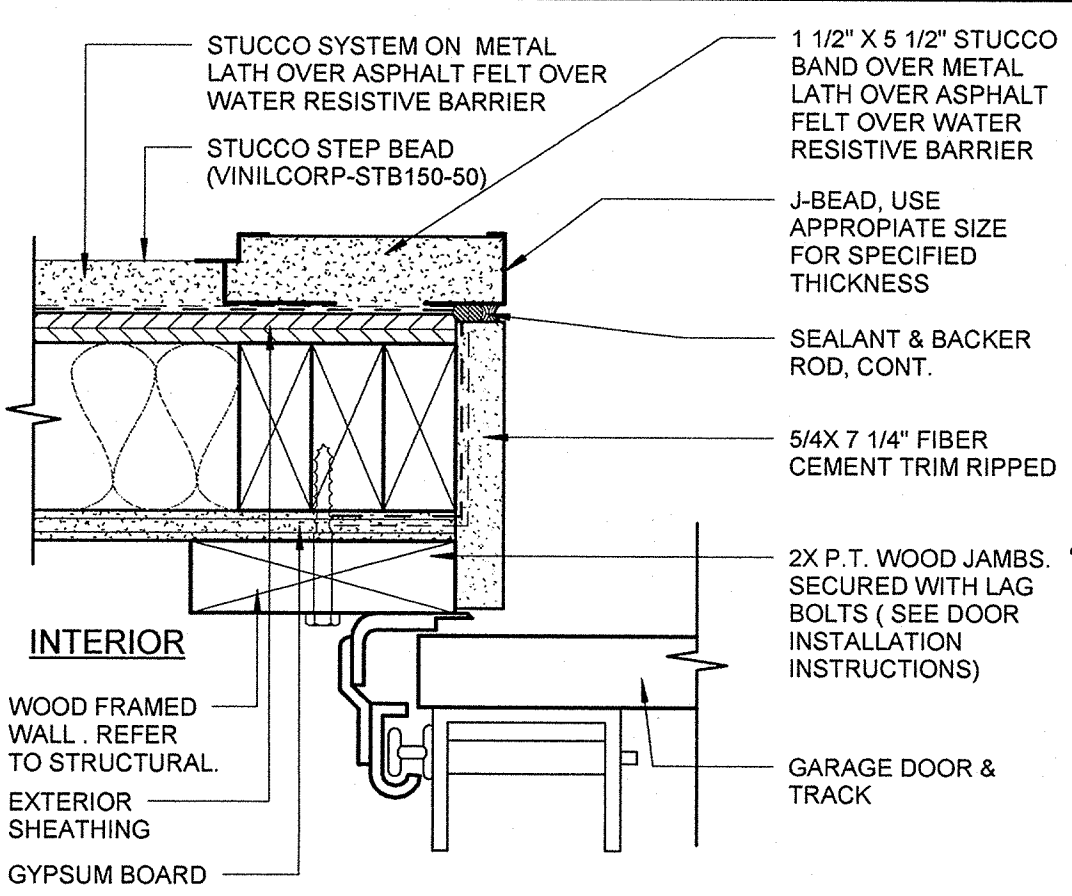
**F3 DOOR JAMB DETAIL (SIDING)**  
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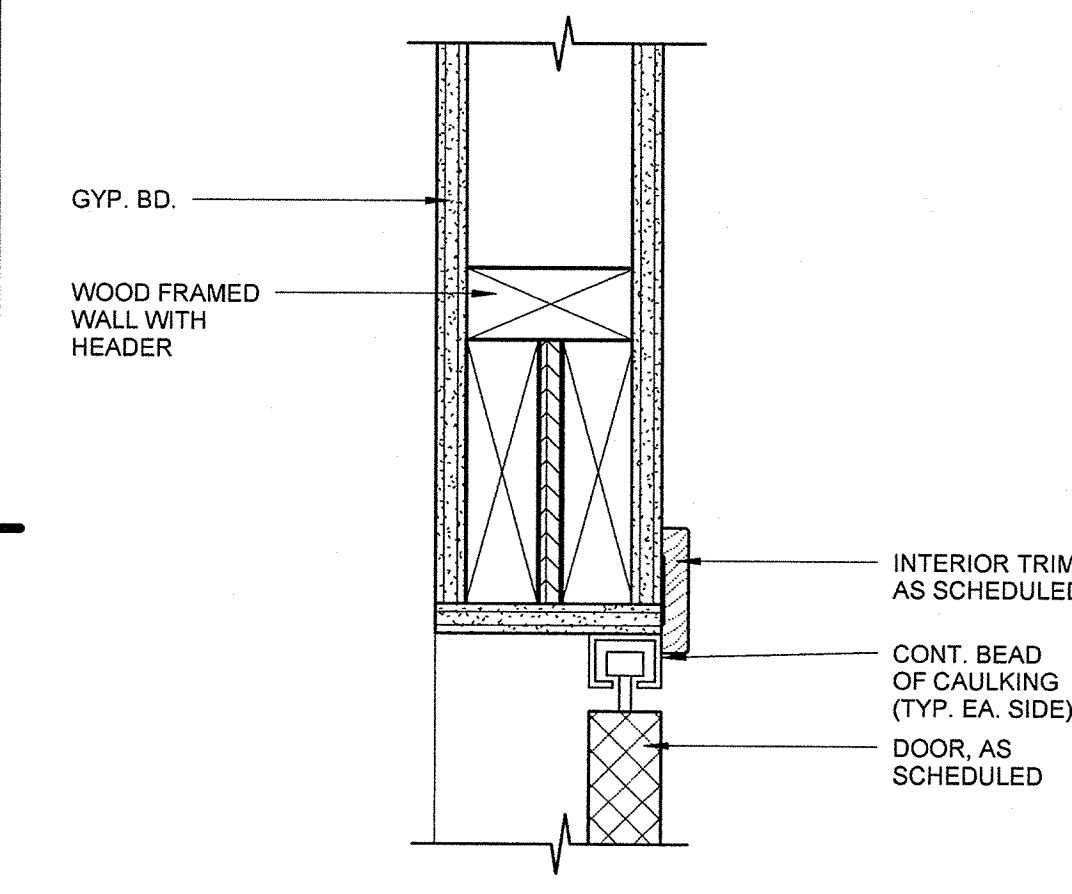
**F5 EXTERIOR DOOR JAMB (STONE)**  
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AT FIRE RISER ROOM



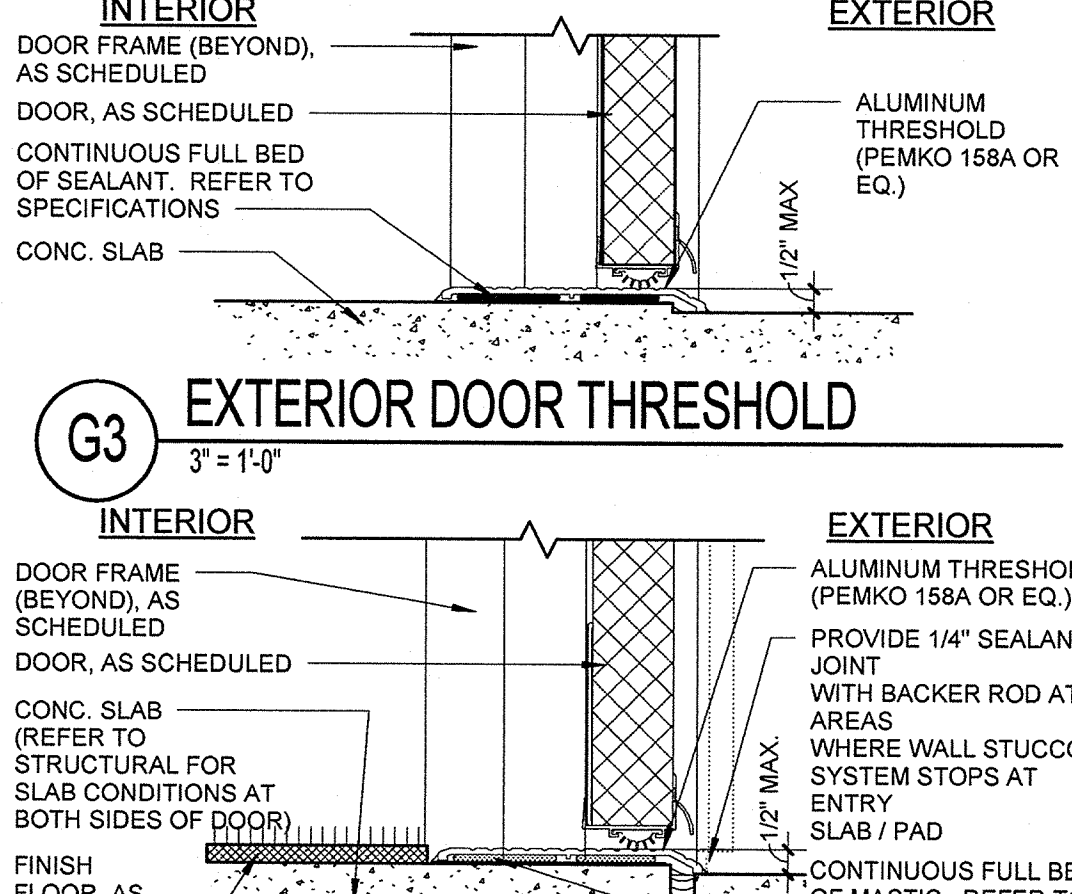
**F7 GARAGE DOOR JAMB (STONE)**  
3' = 1'-0"



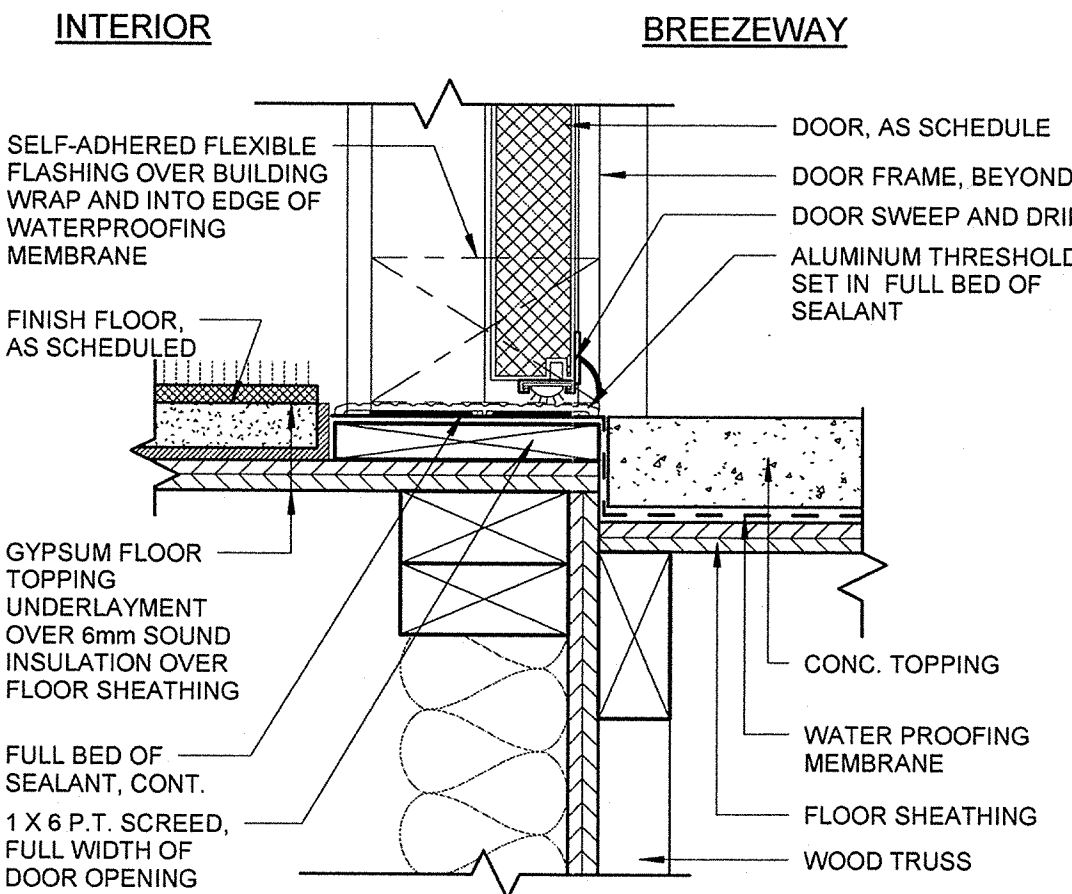
**F9 GARAGE DOOR JAMB (STUCCO)**  
3' = 1'-0"



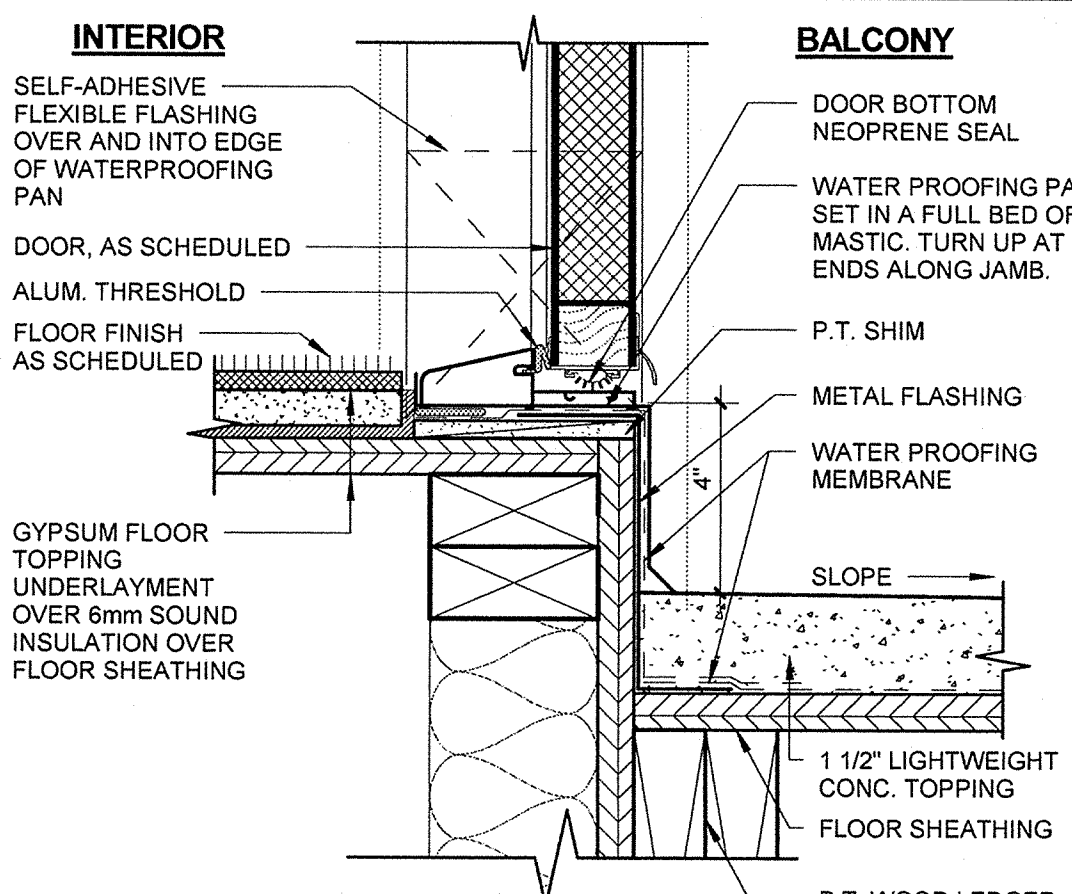
**H1 BI-FOLD DOOR HEAD**  
3' = 1'-0"



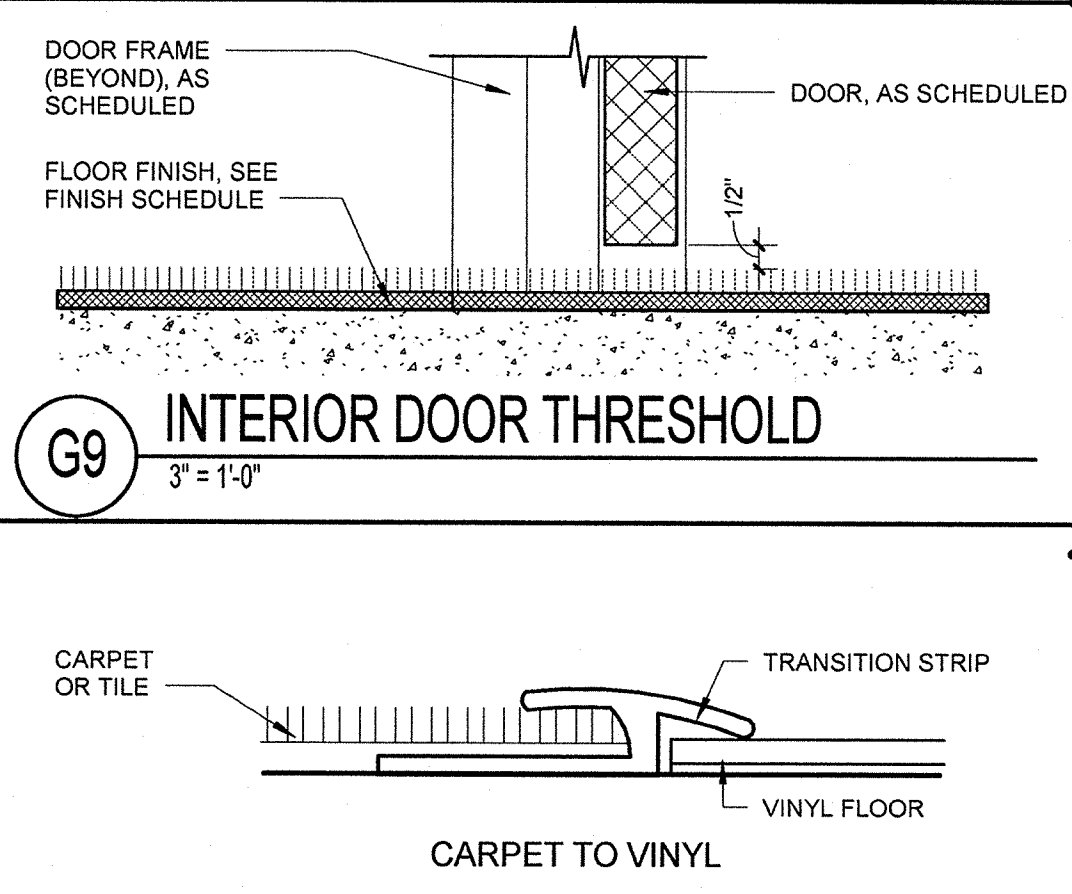
**H3 EXTERIOR DOOR THRESHOLD**  
3' = 1'-0"



**H5 ENTRY DOOR THRESHOLD UPPER LEVELS**  
3' = 1'-0"



**H7 BALC. DOOR THRESHOLD UPPER LEVELS**  
3' = 1'-0"  
B5/A5.10



**H9 INTERIOR DOOR THRESHOLD**  
3' = 1'-0"

**PERMIT REVIEW**

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**FUGLEBERG KOCH**  
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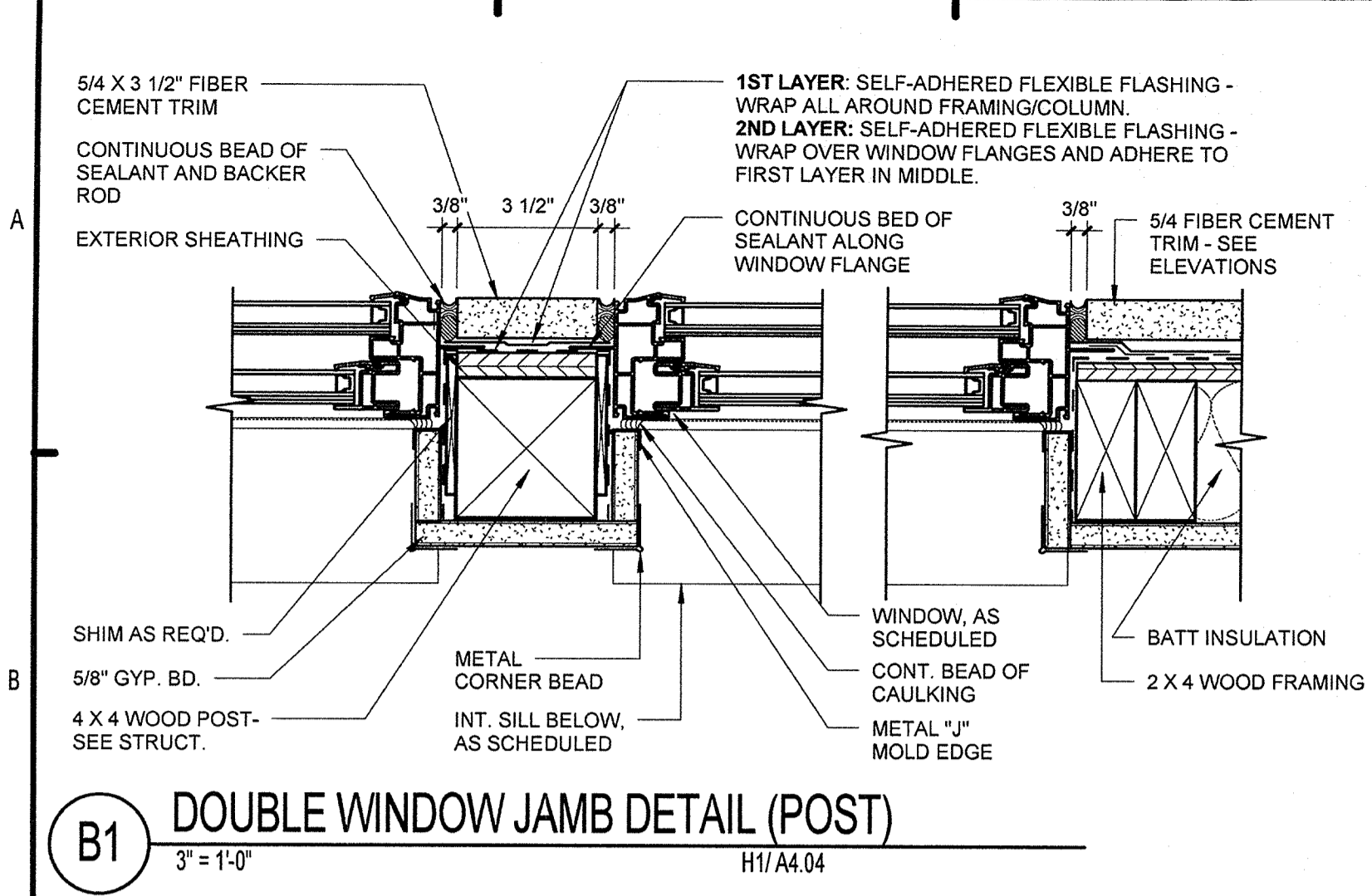
**SUMMER BAY APARTMENTS**  
Lake County, FL

**DOOR SCHEDULE AND DETAILS**  
A7.01

Drawn: HP  
Checked: KL  
Approved: KL  
Date: 11/15/2013  
Project #: 5169

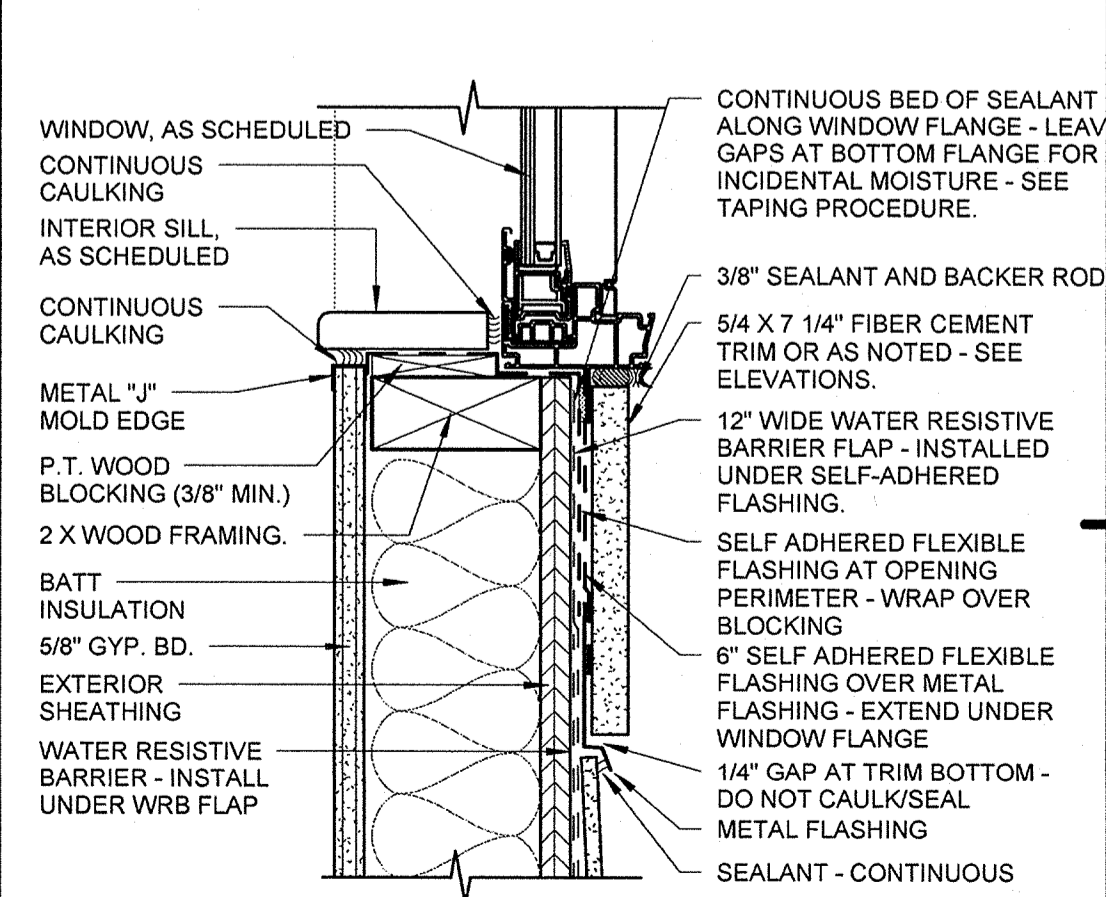
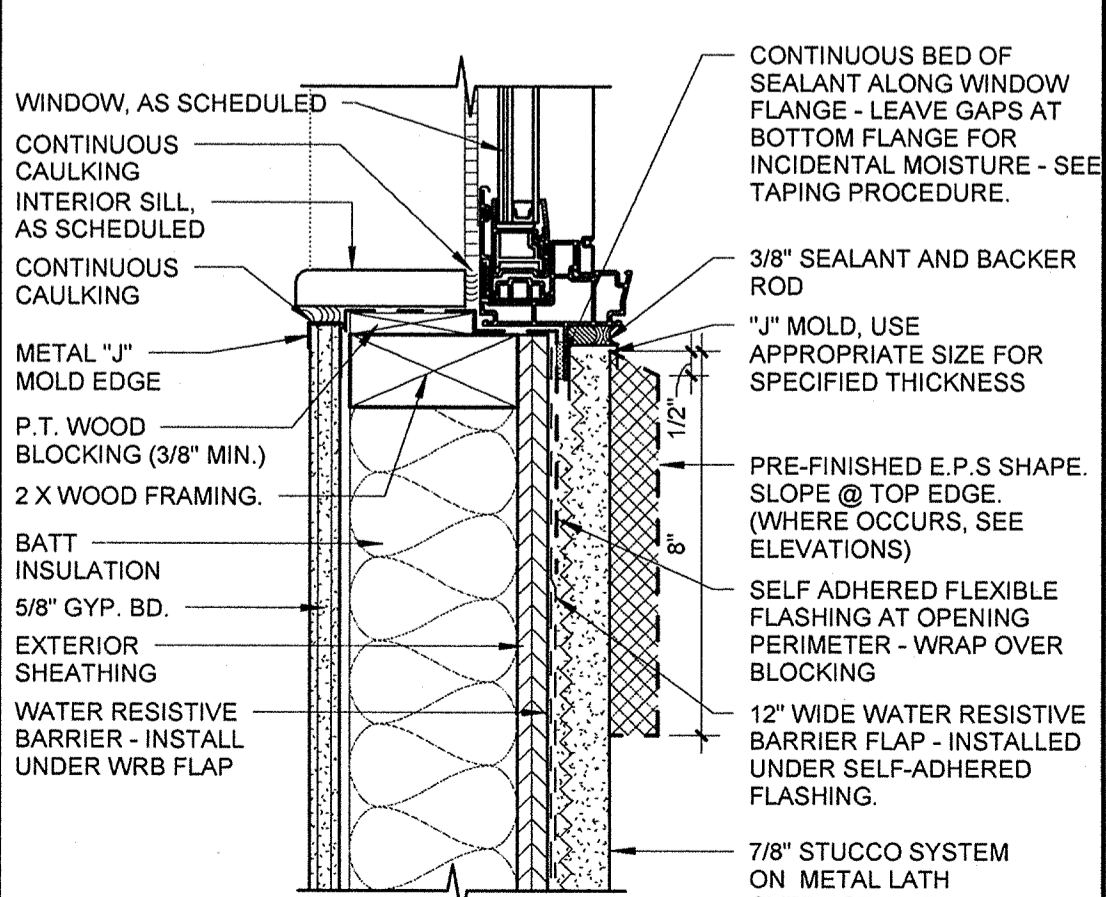
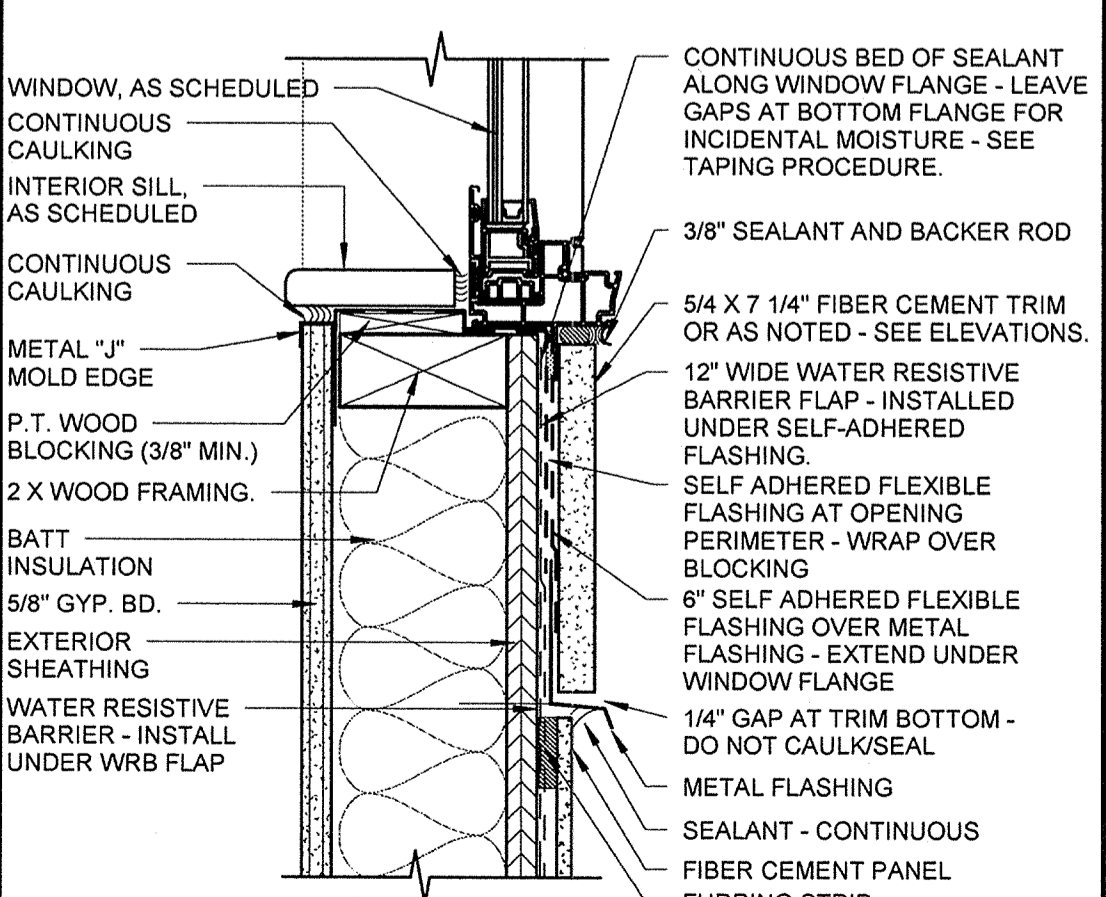
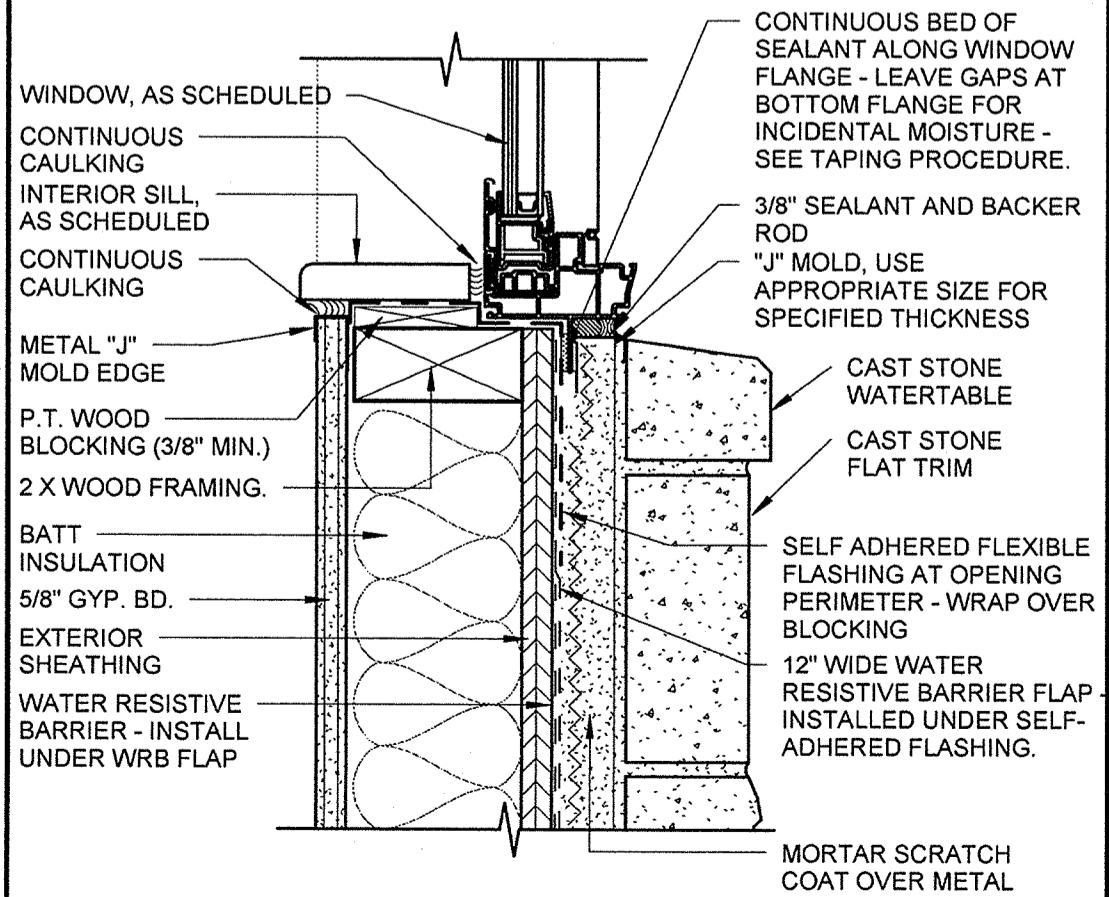
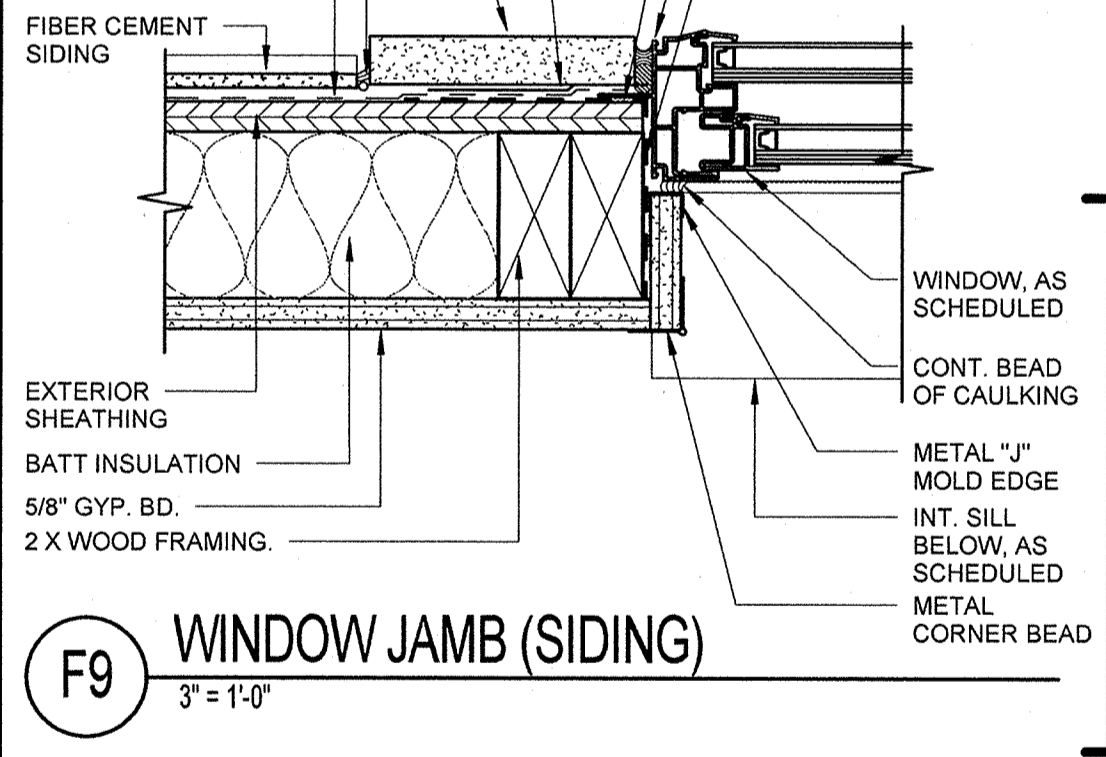
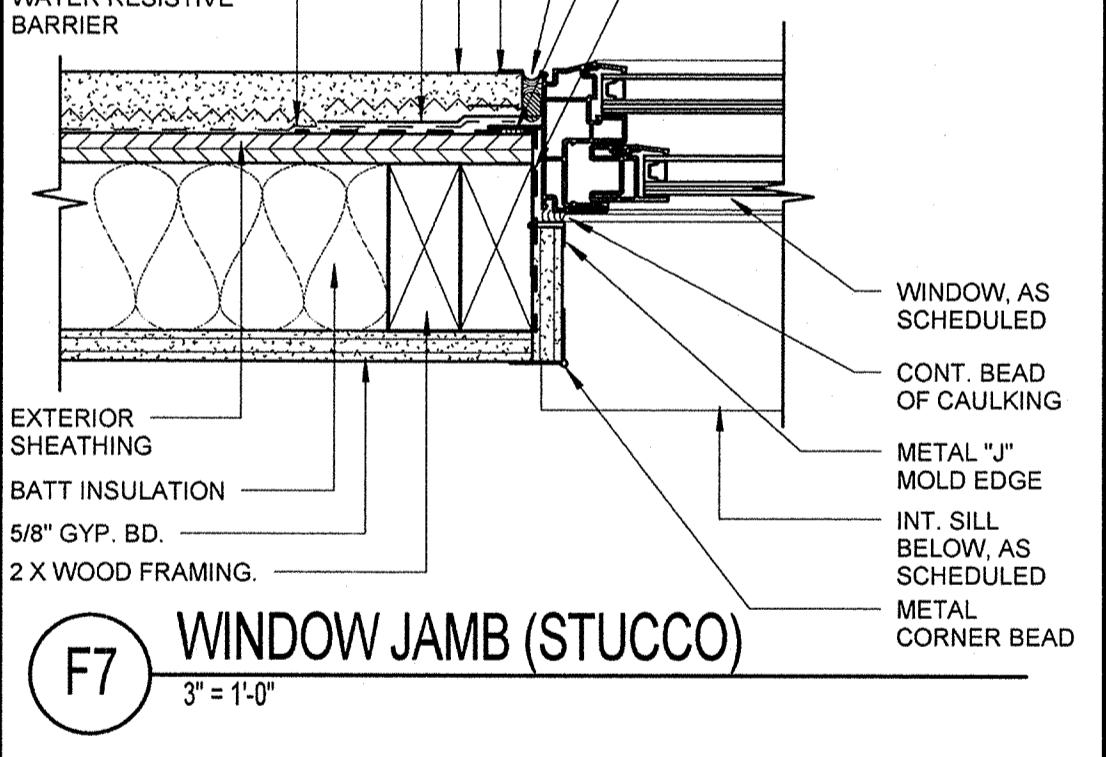
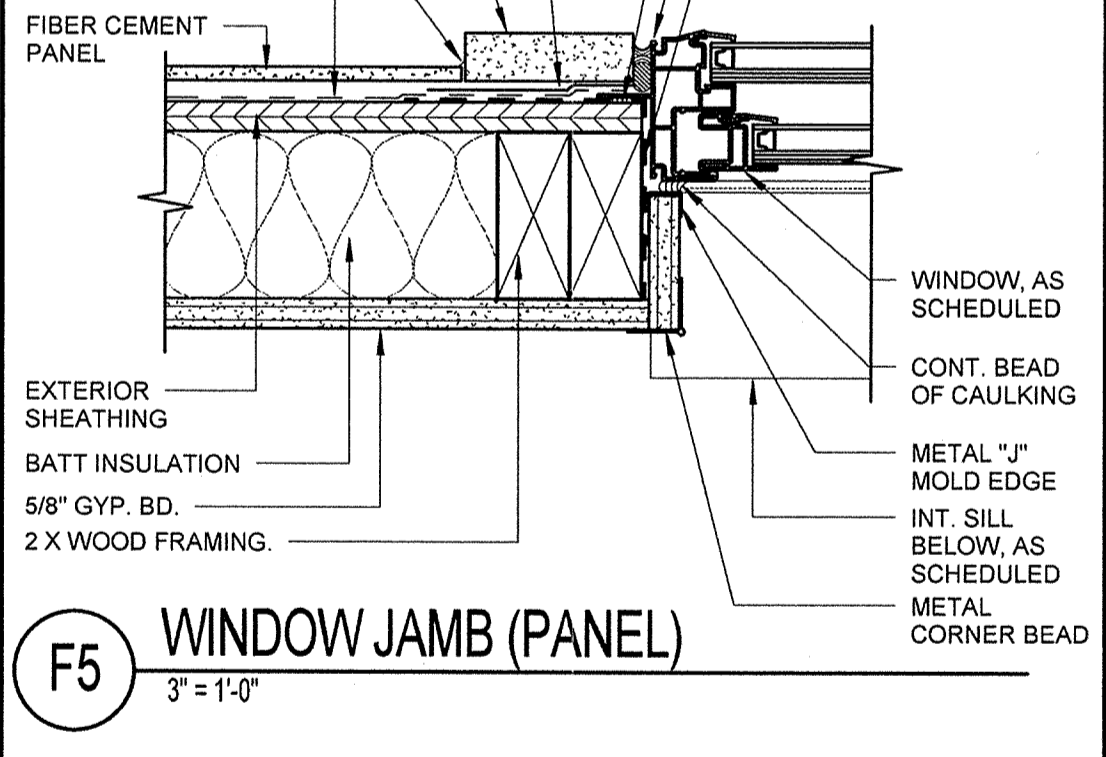
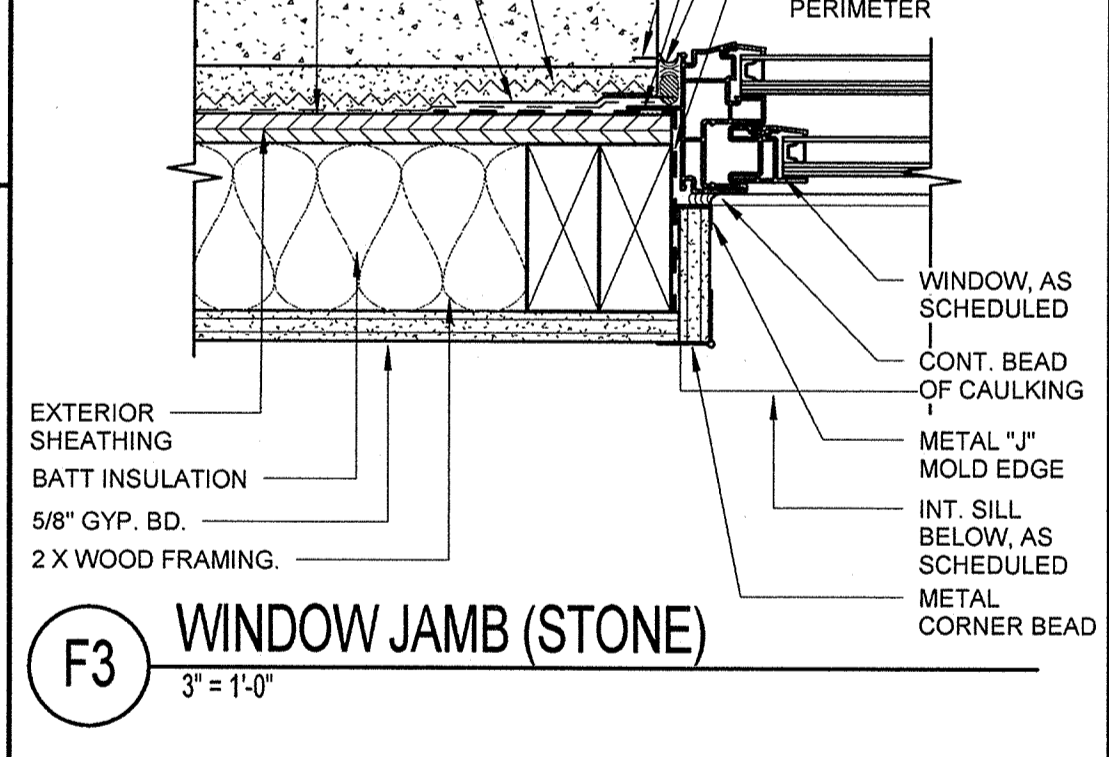
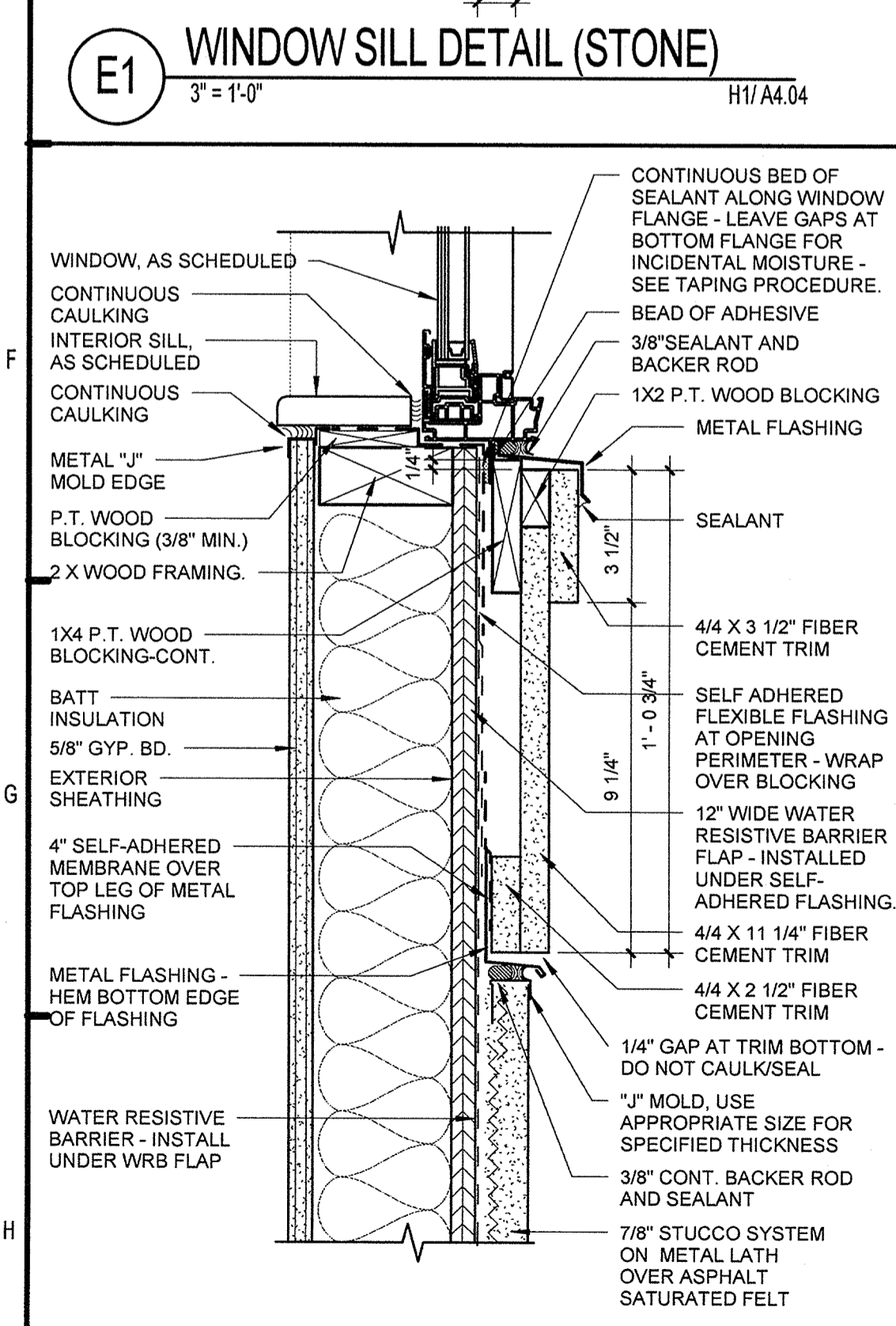
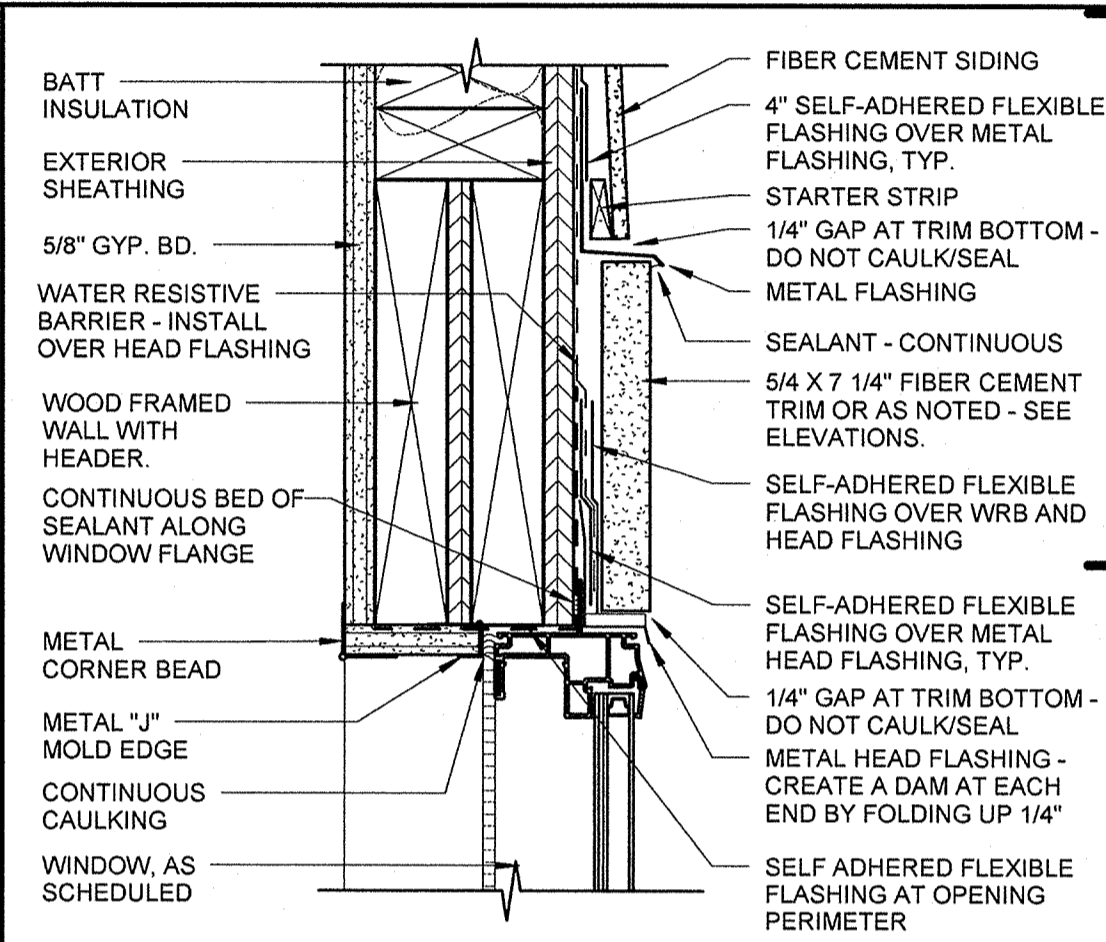
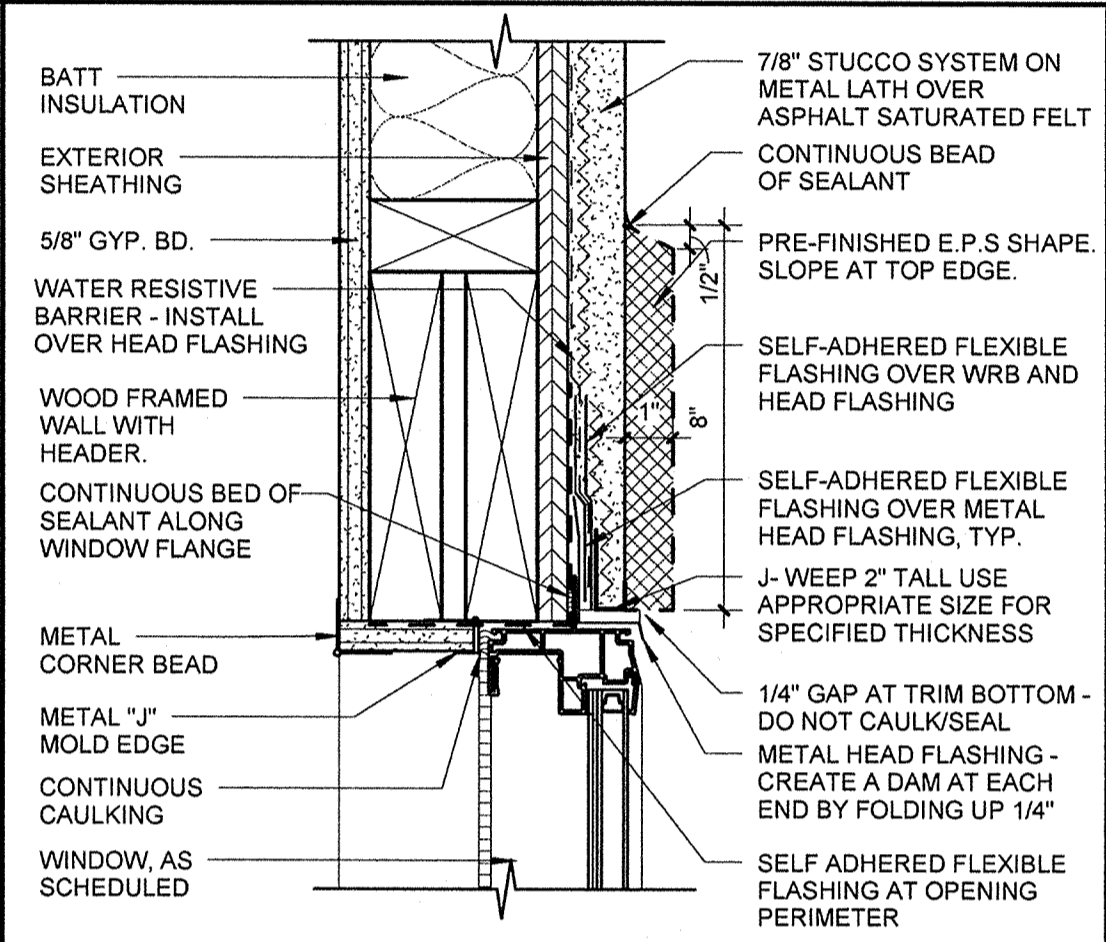
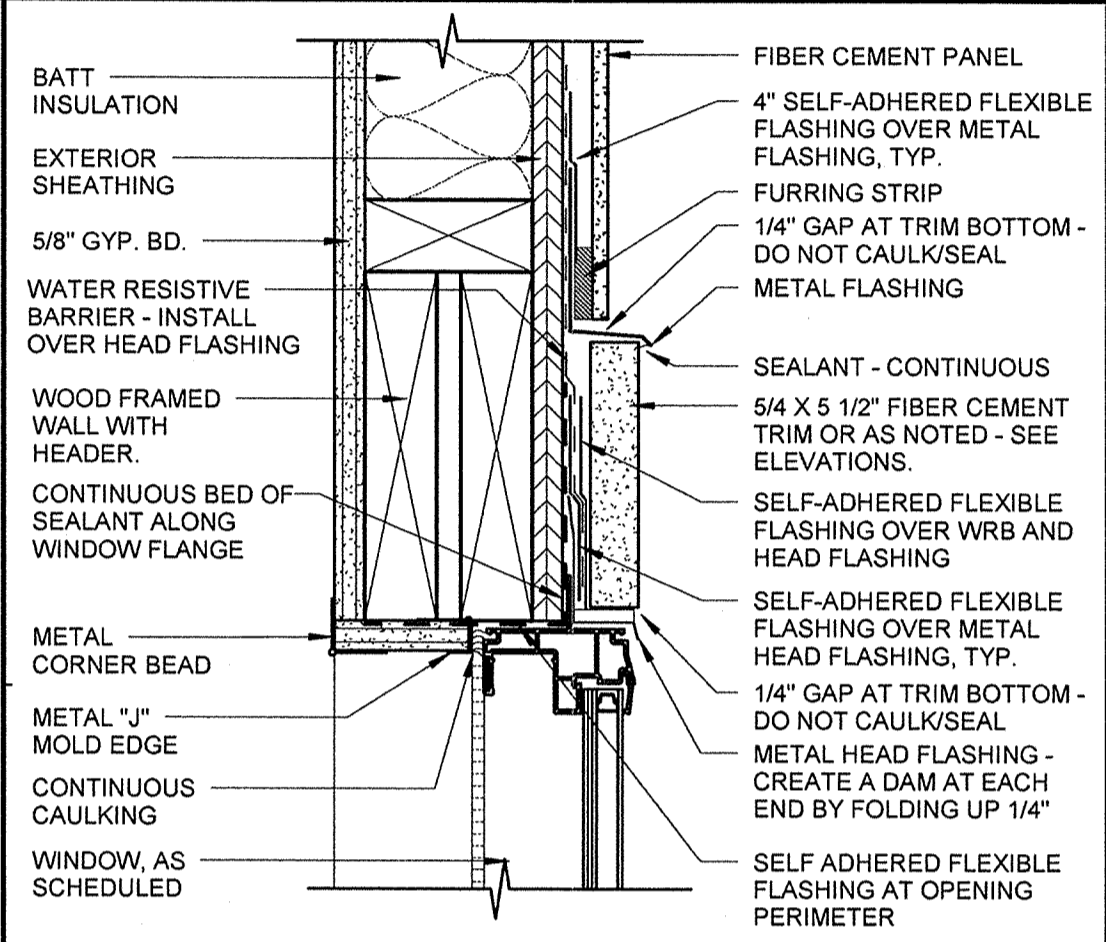
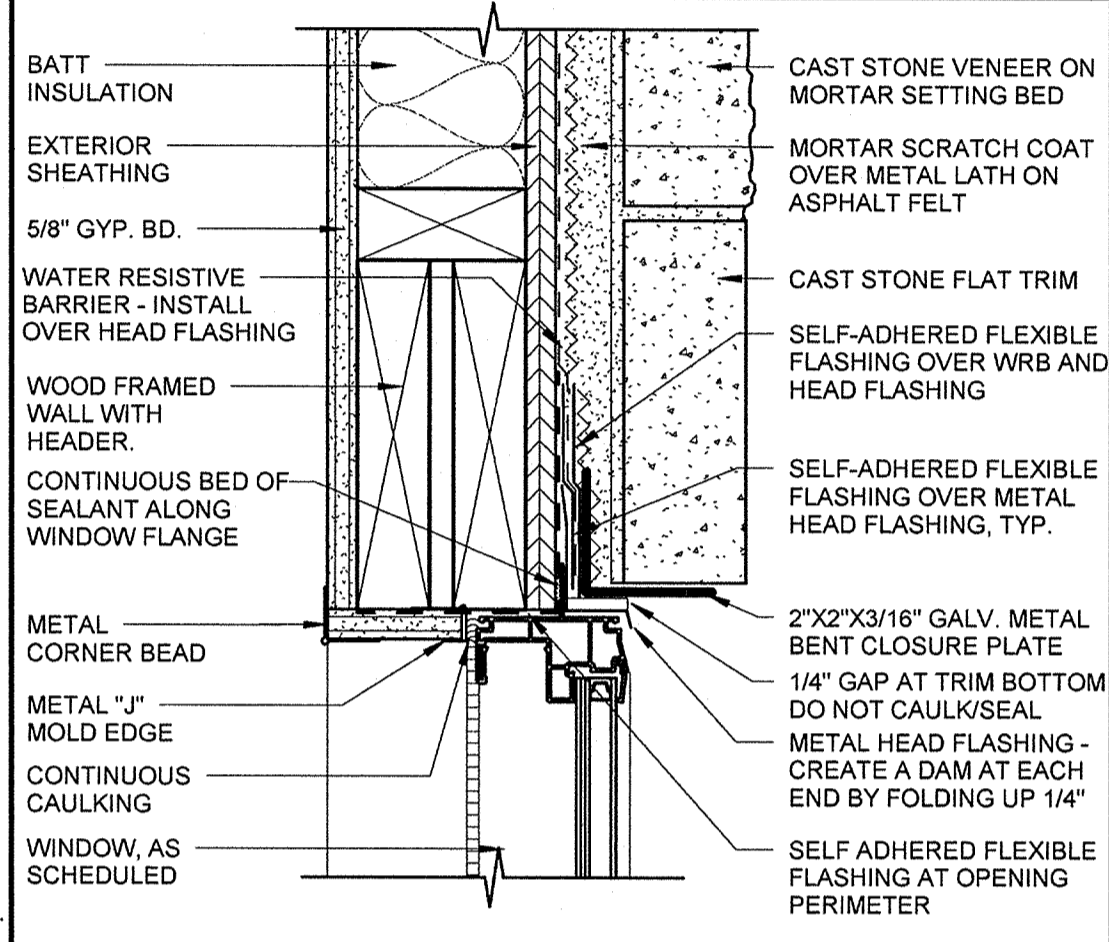
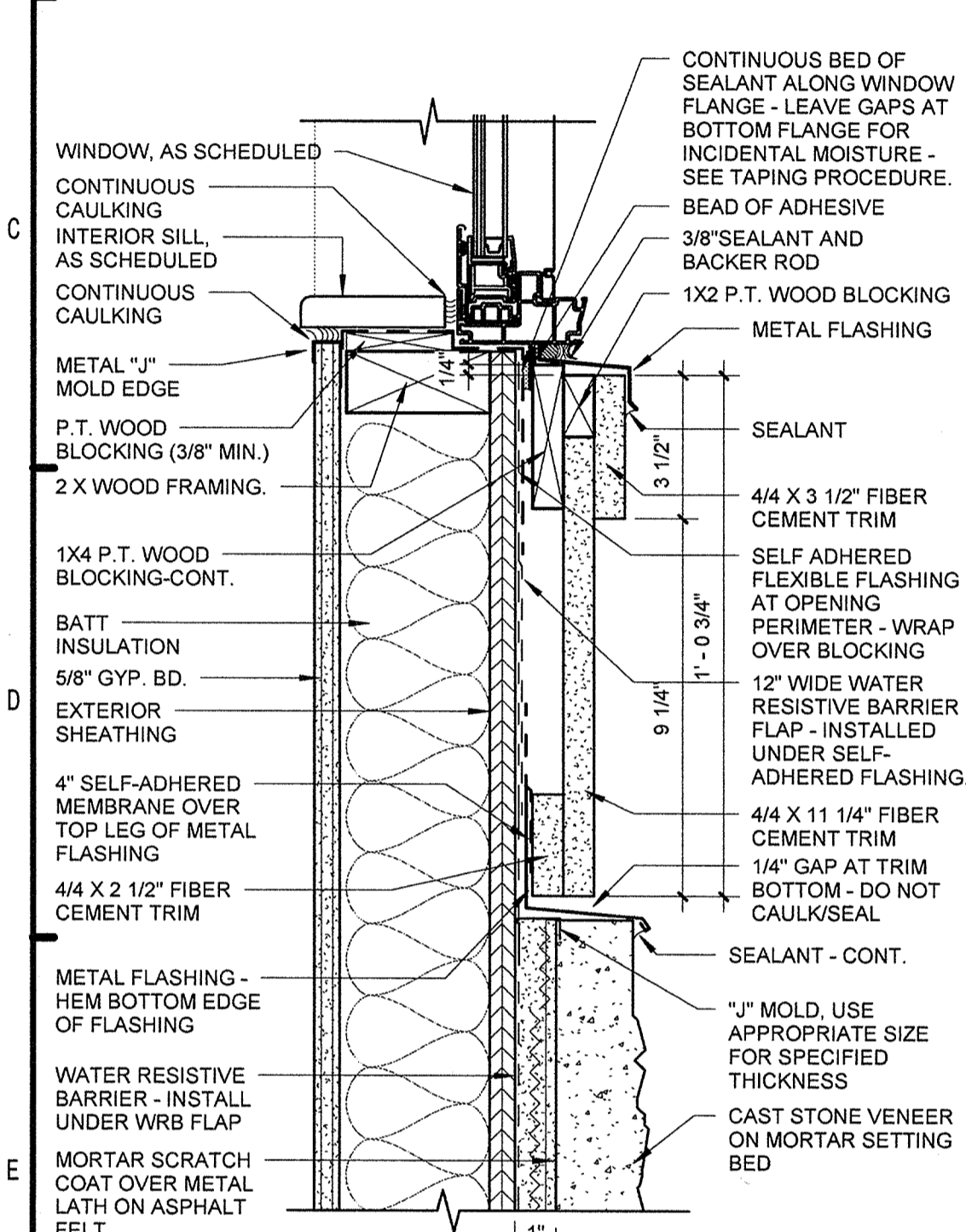
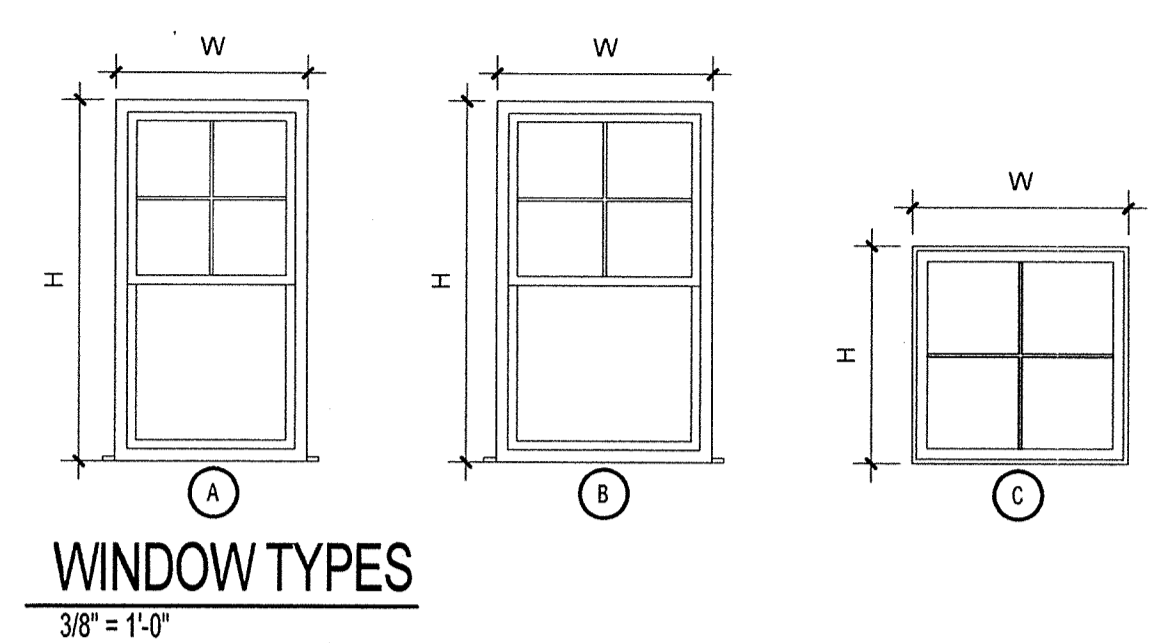
KEM LINEMAN  
FLORIDA LICENSE #A80017305

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WINDOW UNIT		GLAZING			FRAME			REMARKS			
TYPE	WIDTH	HEIGHT	TYPE	THICKNESS	U VALUE	SHGC	MATERIAL		HEAD	JAMB	SILL
A	2'-8"	5'-0"	LOW-E	3/4"	0.34	0.27	VINYL	D5-D7-D9/A7.02	F5-F7-F9/A7.02	H5-H7-H9/A7.02	REFER TO BLDG. ELEVATIONS FOR FINISH TYPE APPLICATION
B	3'-0"	5'-0"	LOW-E	3/4"	0.34	0.27	VINYL	D5-D7-D9/A7.02	F5-F7-F9/A7.02	H5-H7-H9/A7.02	REFER TO BLDG. ELEVATIONS FOR FINISH TYPE APPLICATION
C	3'-0"	3'-0"	LOW-E	3/4"	0.34	0.27	VINYL	D5-D7-D9/A7.02	F5-F7-F9/A7.02	H5-H7-H9/A7.02	HEAD HEIGHT AT 12'-0" AFF (3rd)

NOTE: HEAD HEIGHT FOR "A" & "B" WINDOWS TO BE 8'-1" AFF. SEE DETAILS FOR ADDITIONAL INFORMATION.



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- NOTES:**
- SEE ELEVATIONS FOR EXTERIOR WALL FINISH AT WINDOW LOCATIONS
  - SEE ELEVATIONS FOR WINDOW MUNTIN PATTERN
  - SEE A7.03- WINDOW AND DOOR TAPING FOR FLASHING STEPS AND PROCEDURES. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
  - SEE PLANS FOR WALL SIZES, AND FOR APPROPRIATE WALL INSULATION THICKNESS.

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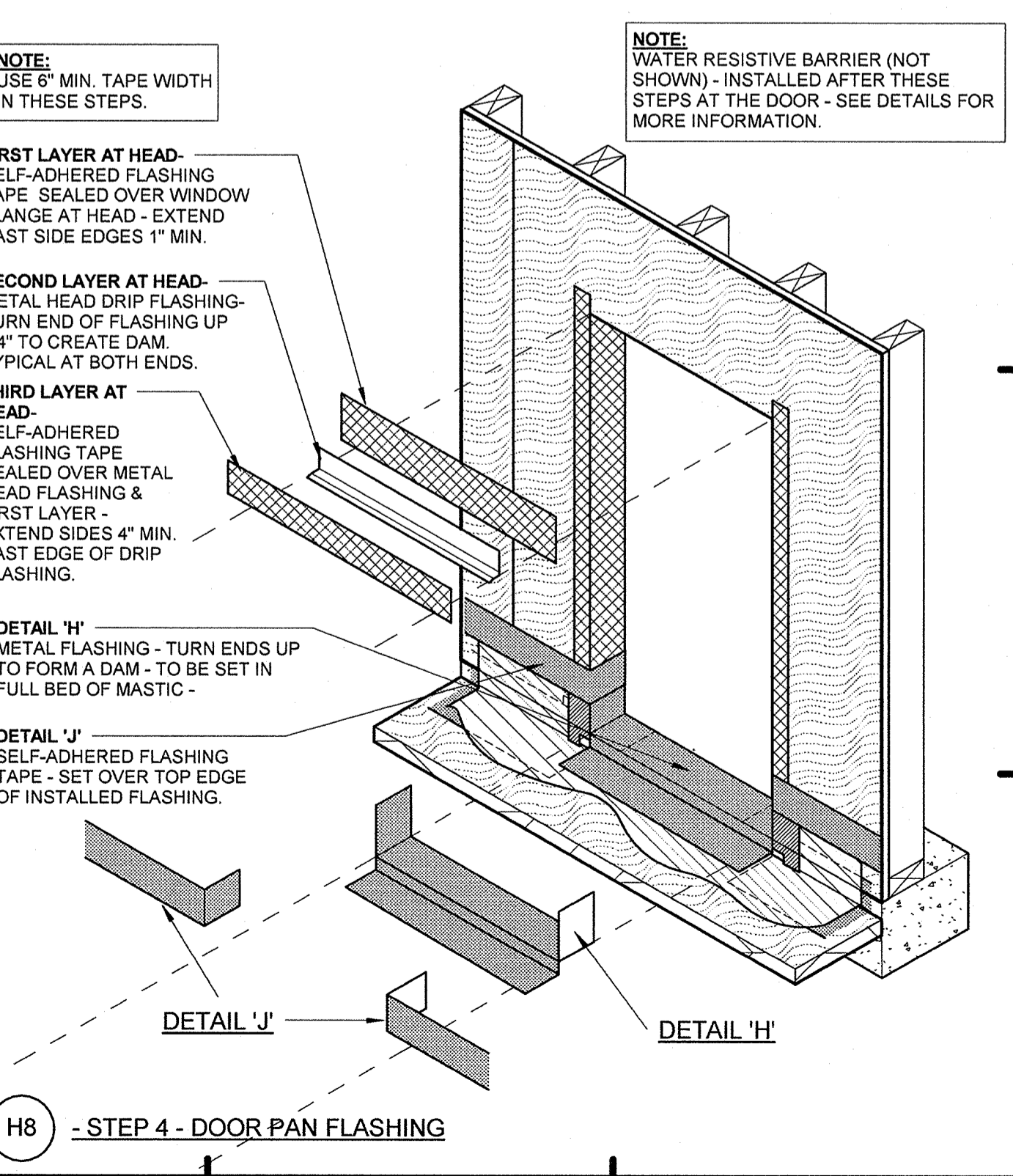
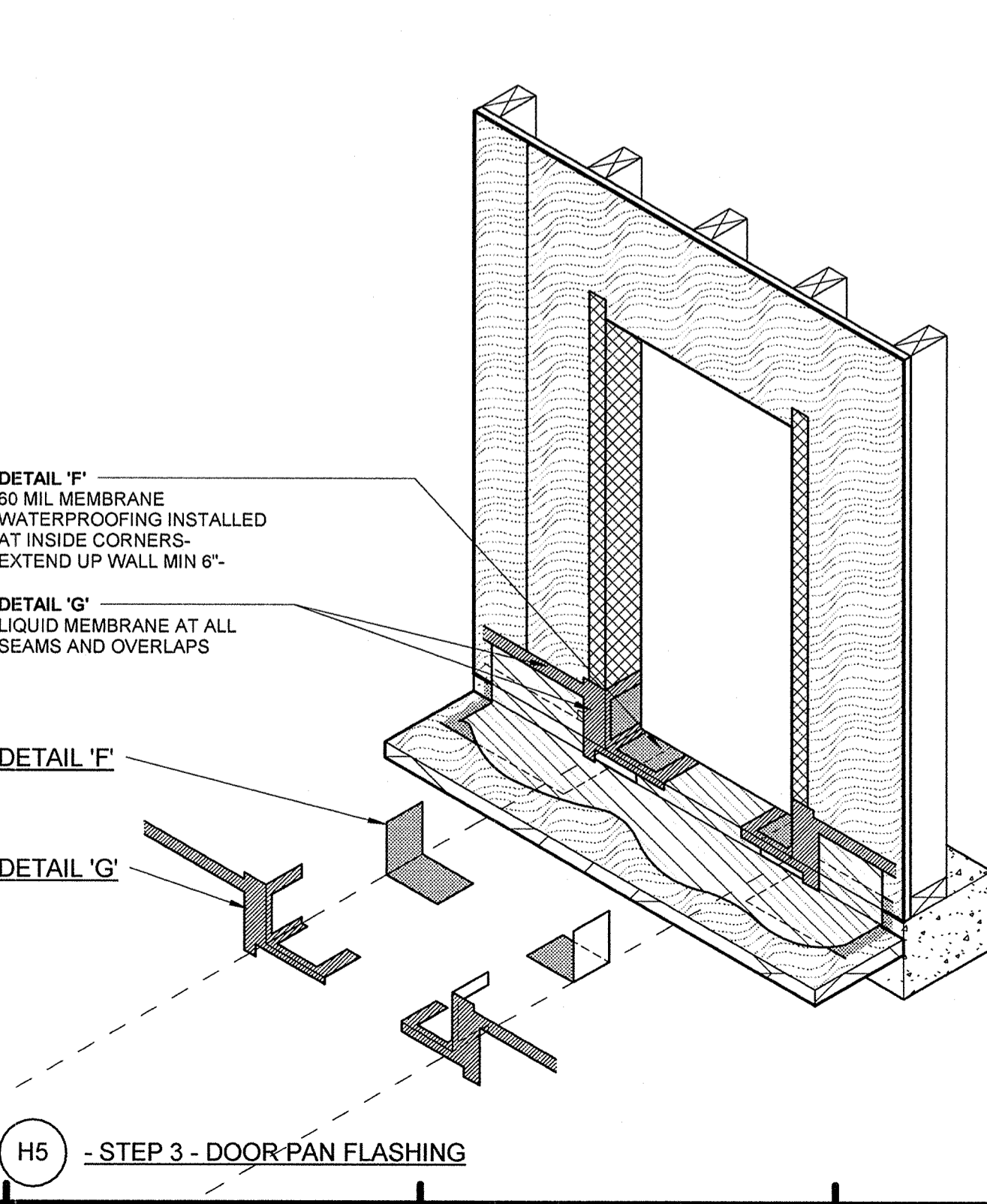
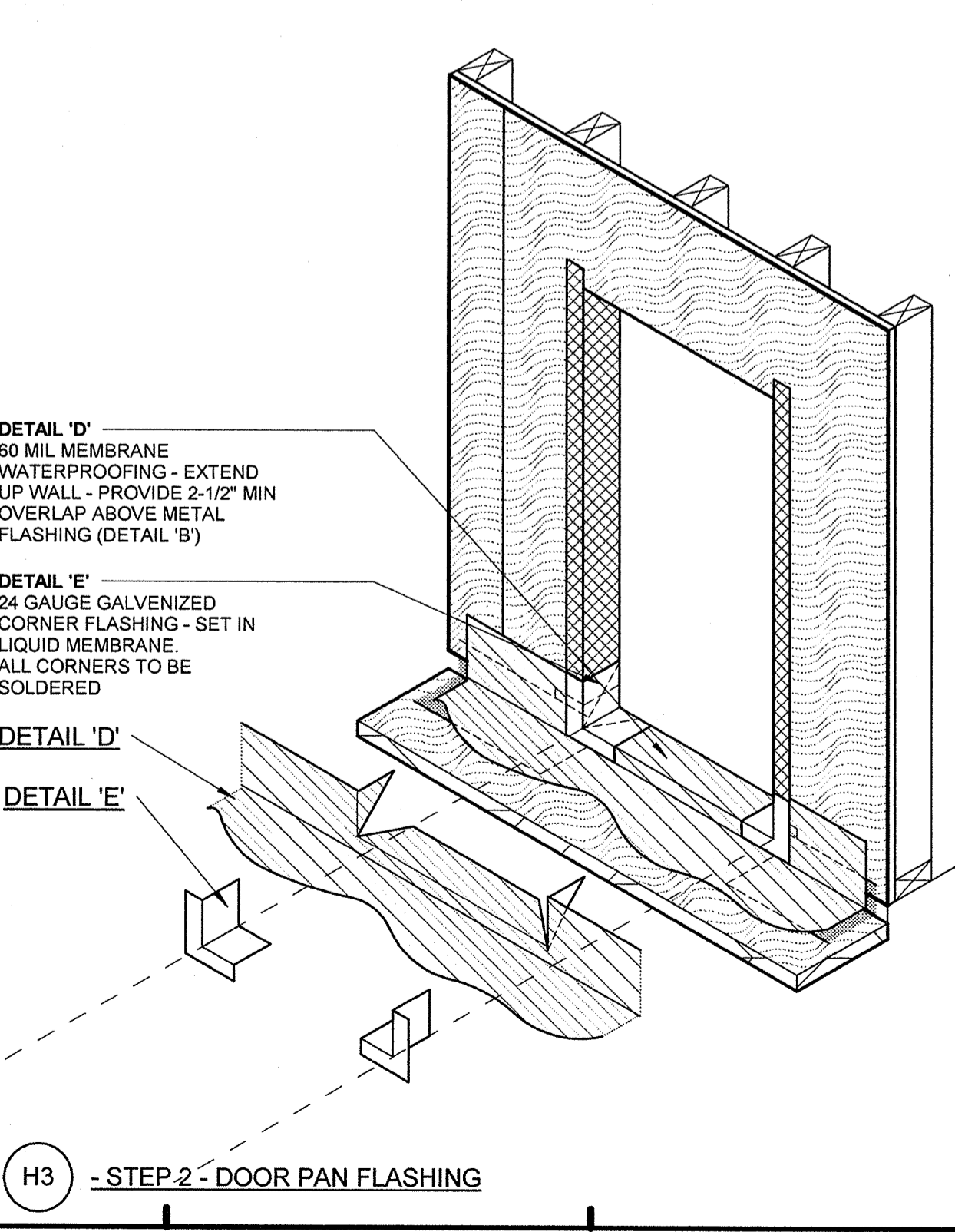
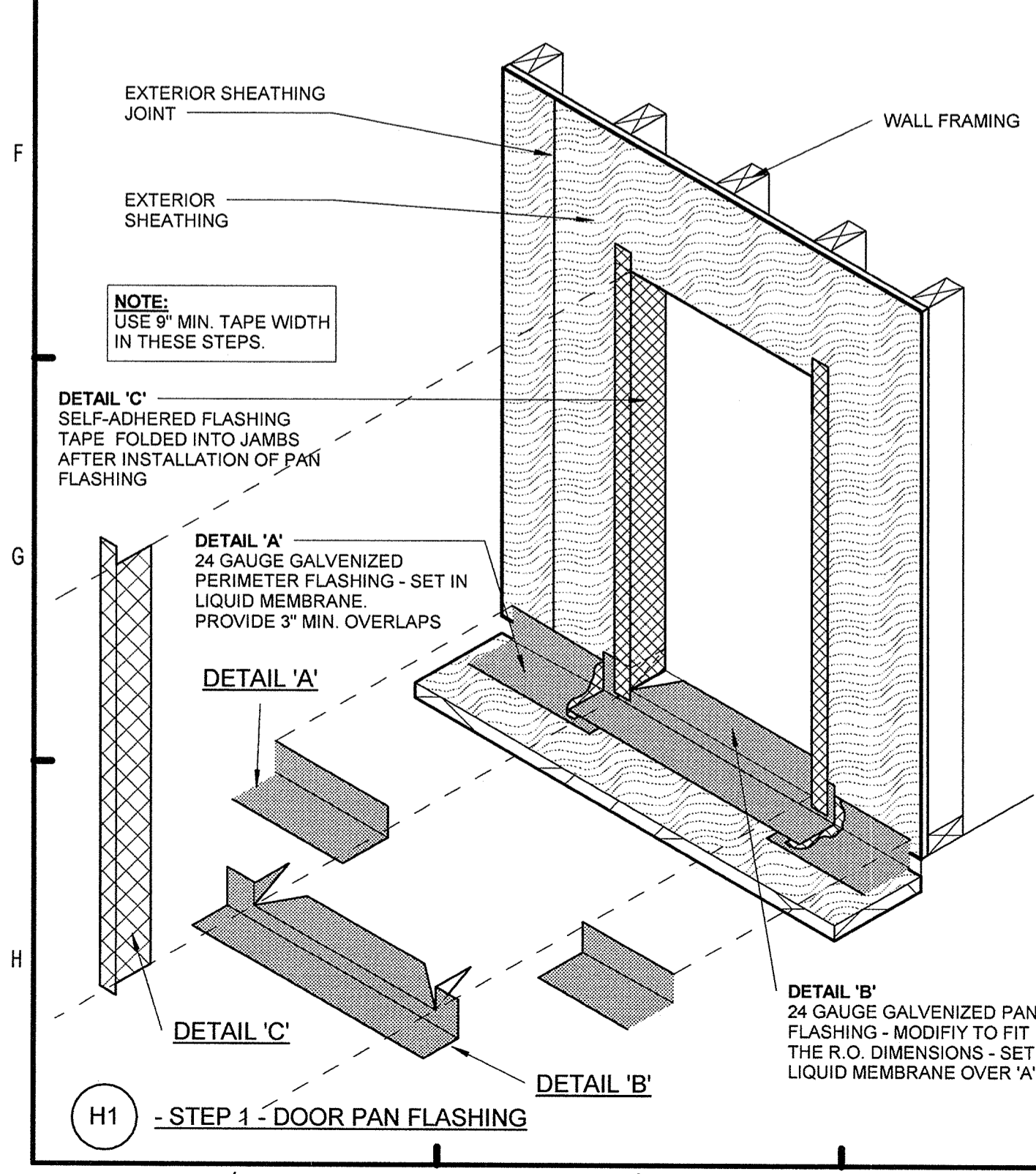
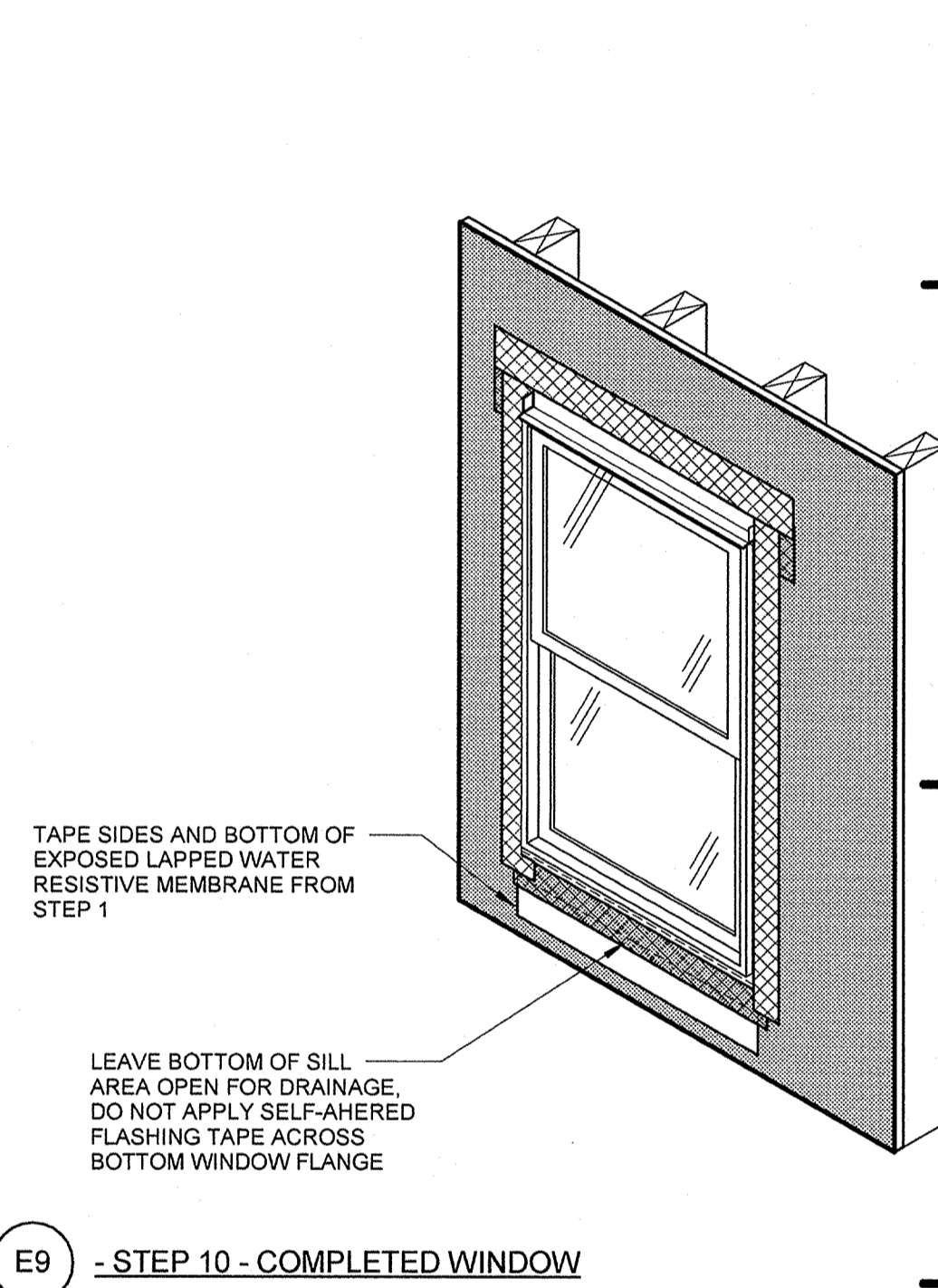
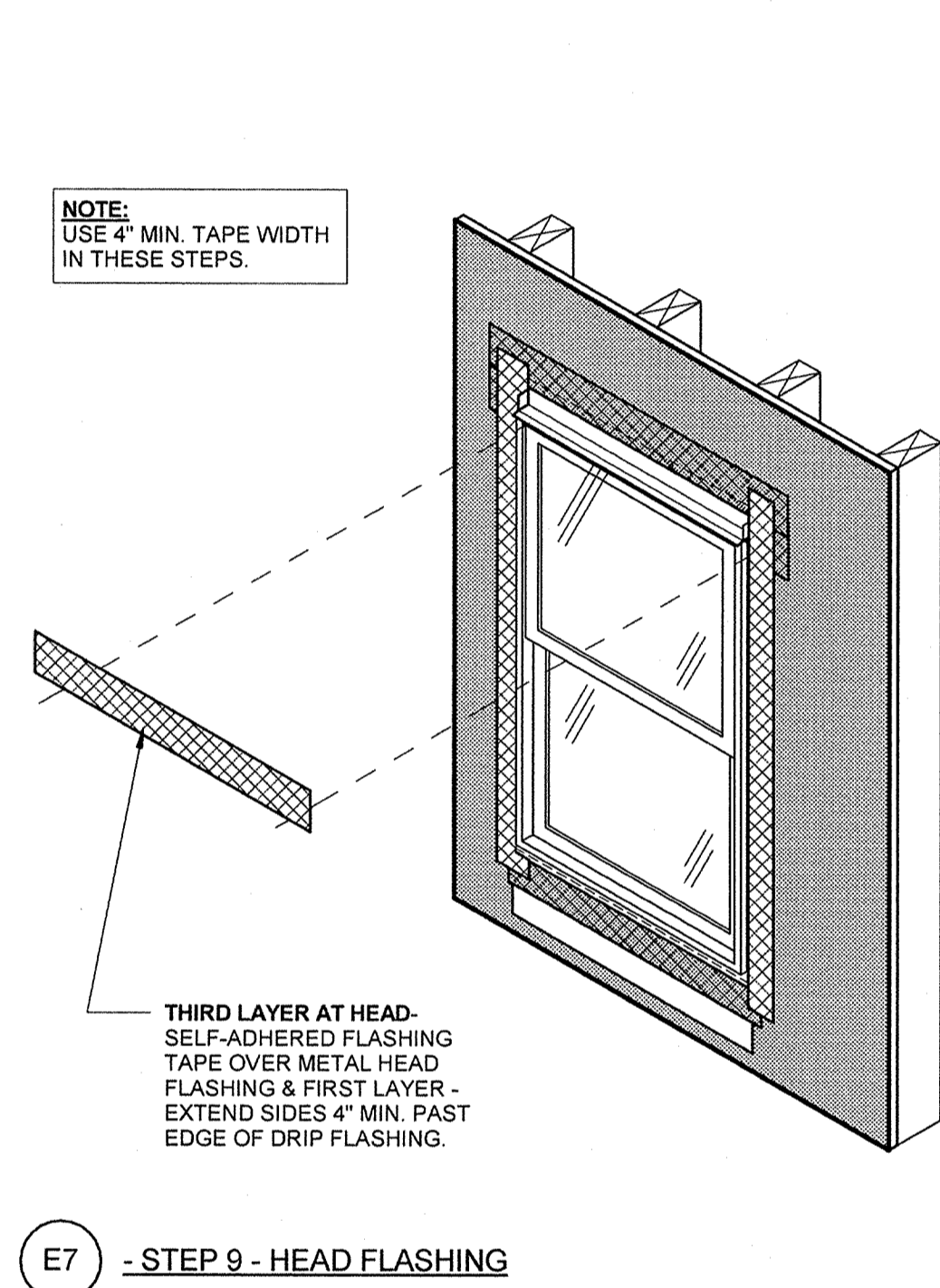
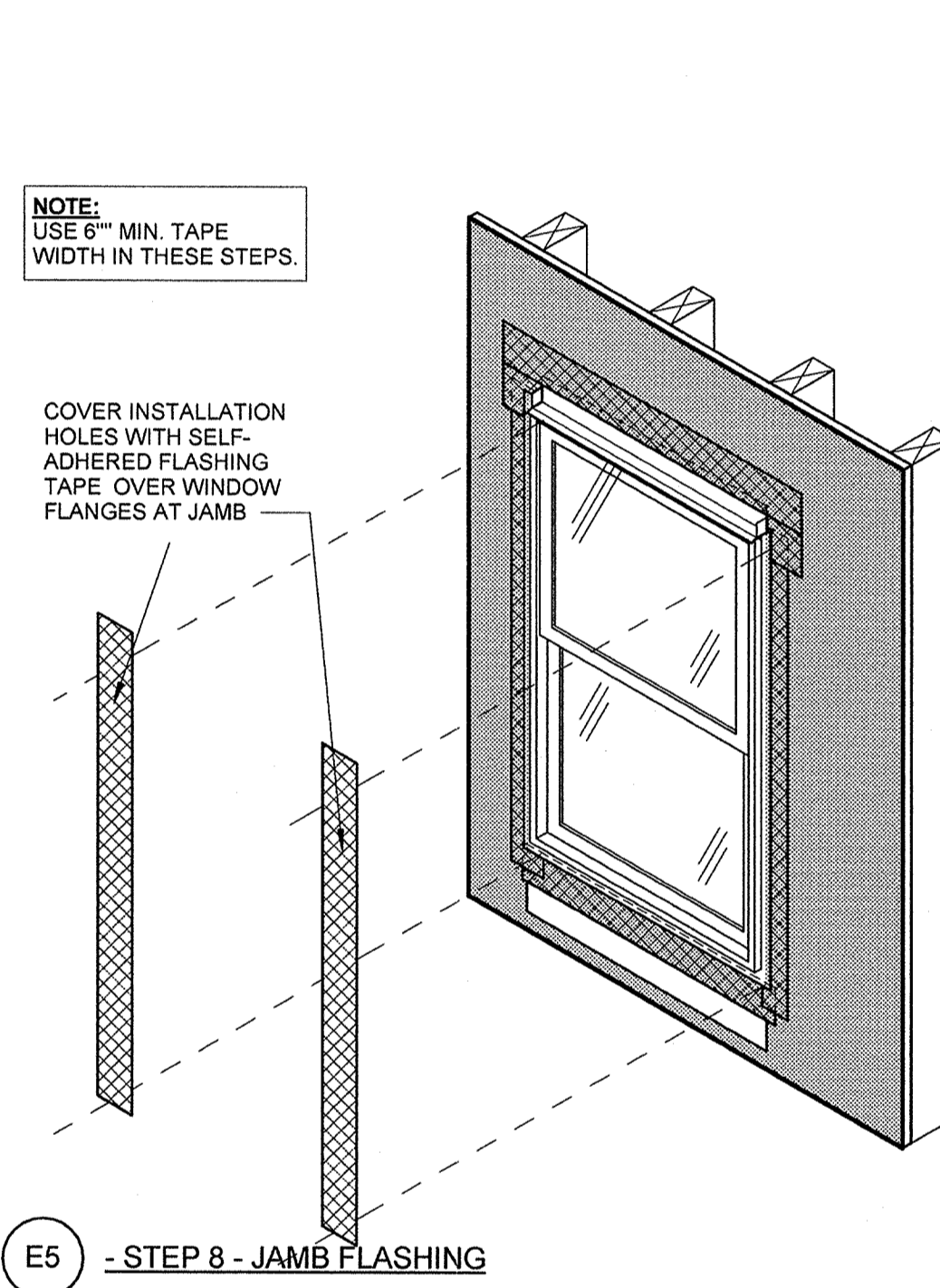
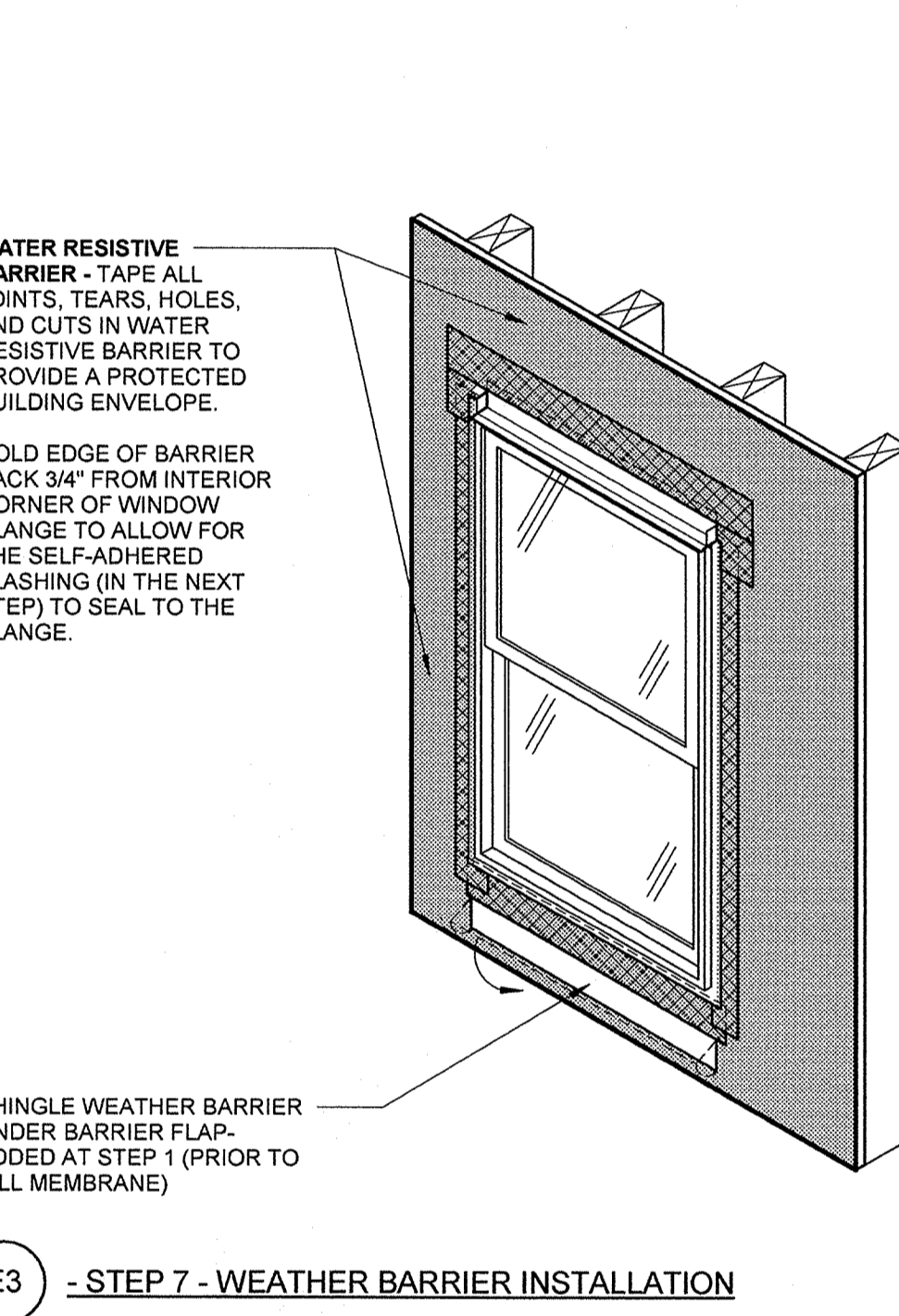
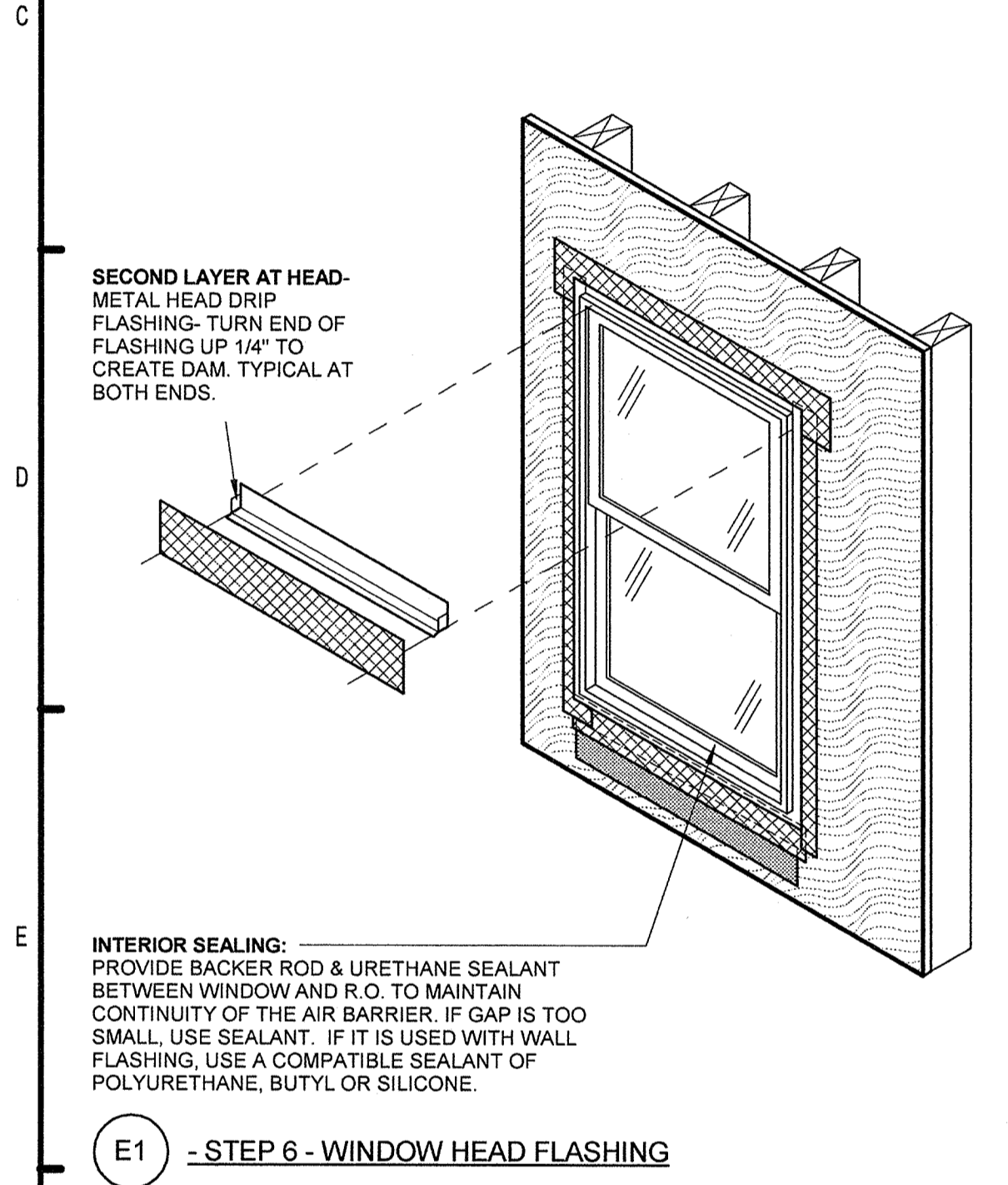
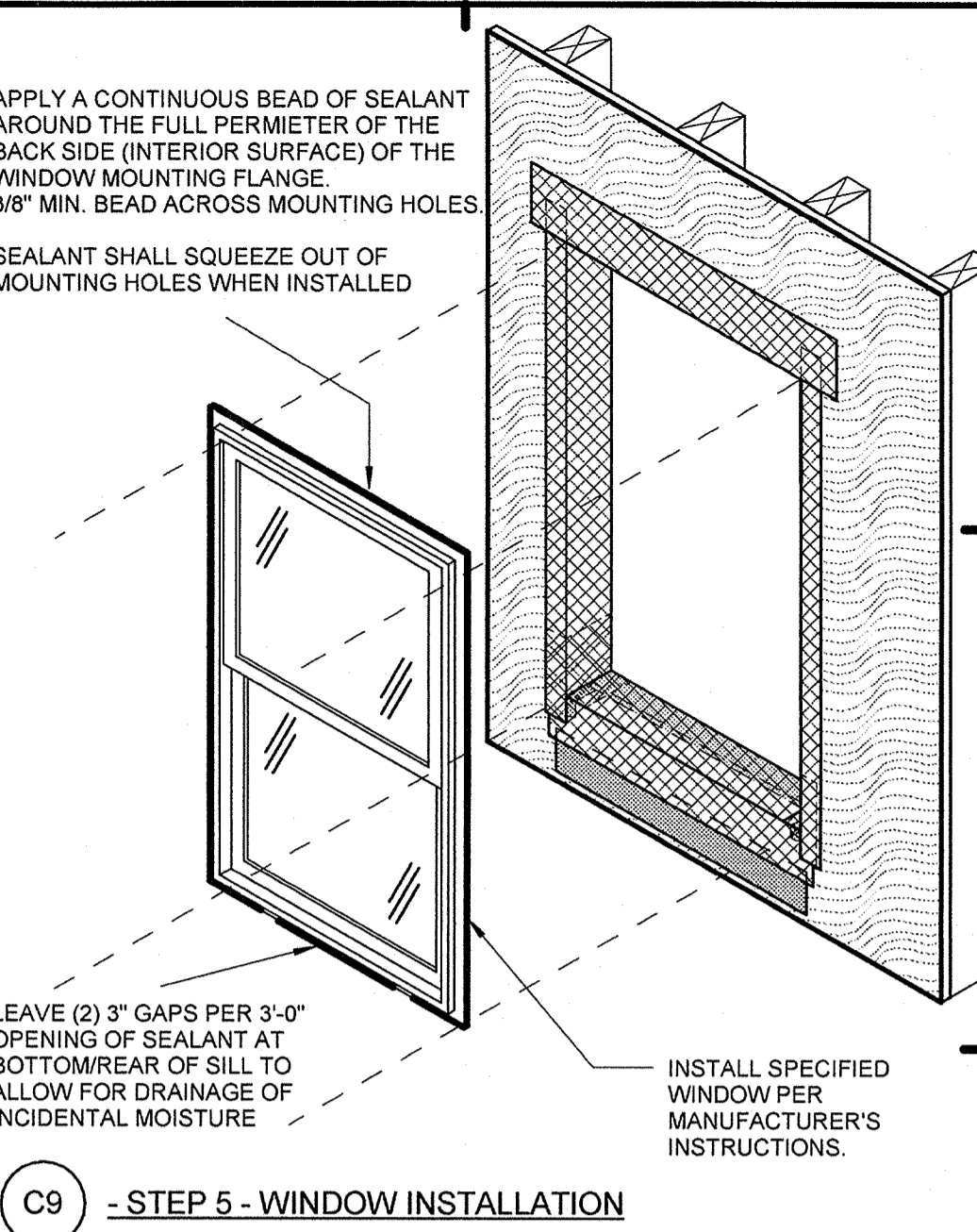
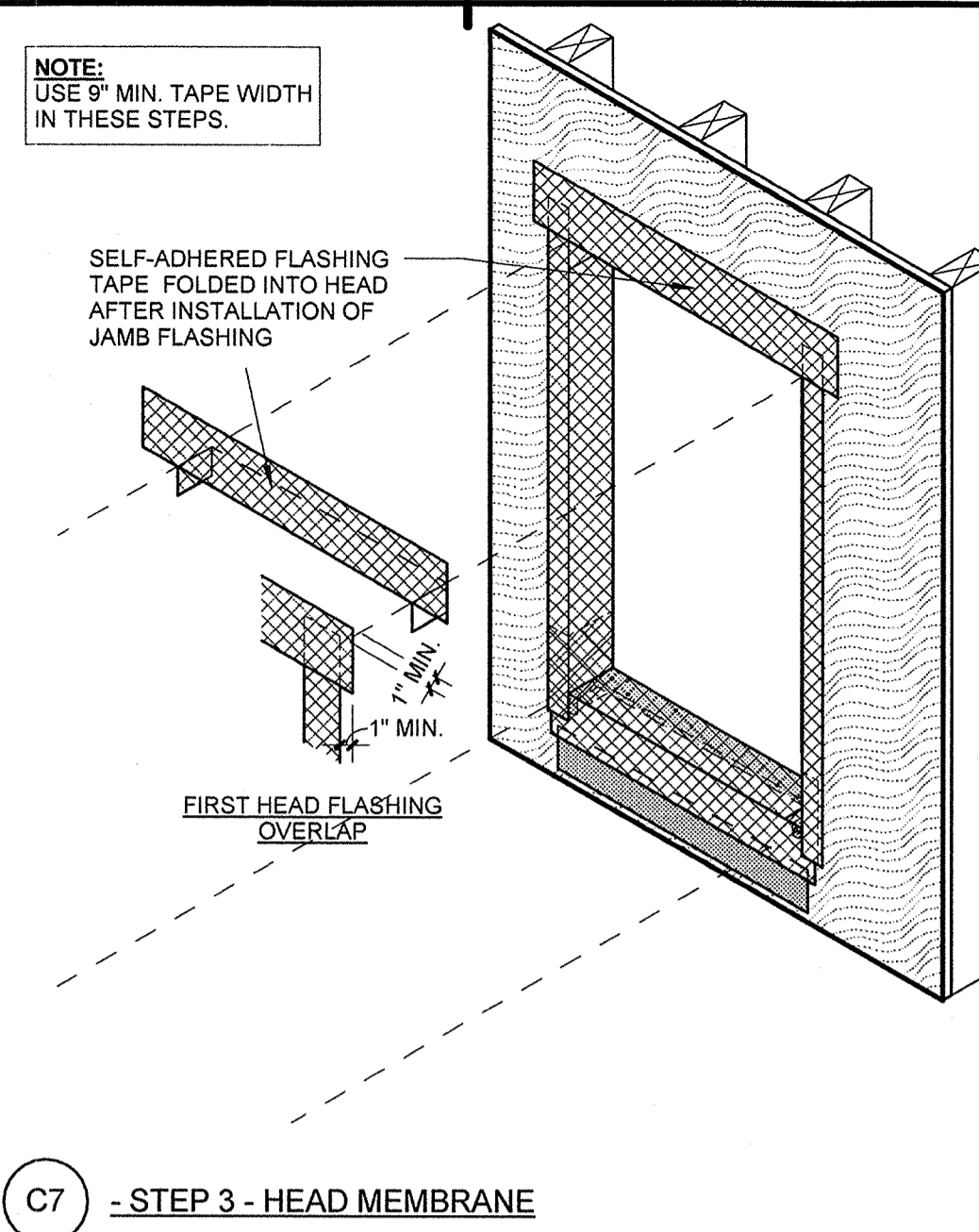
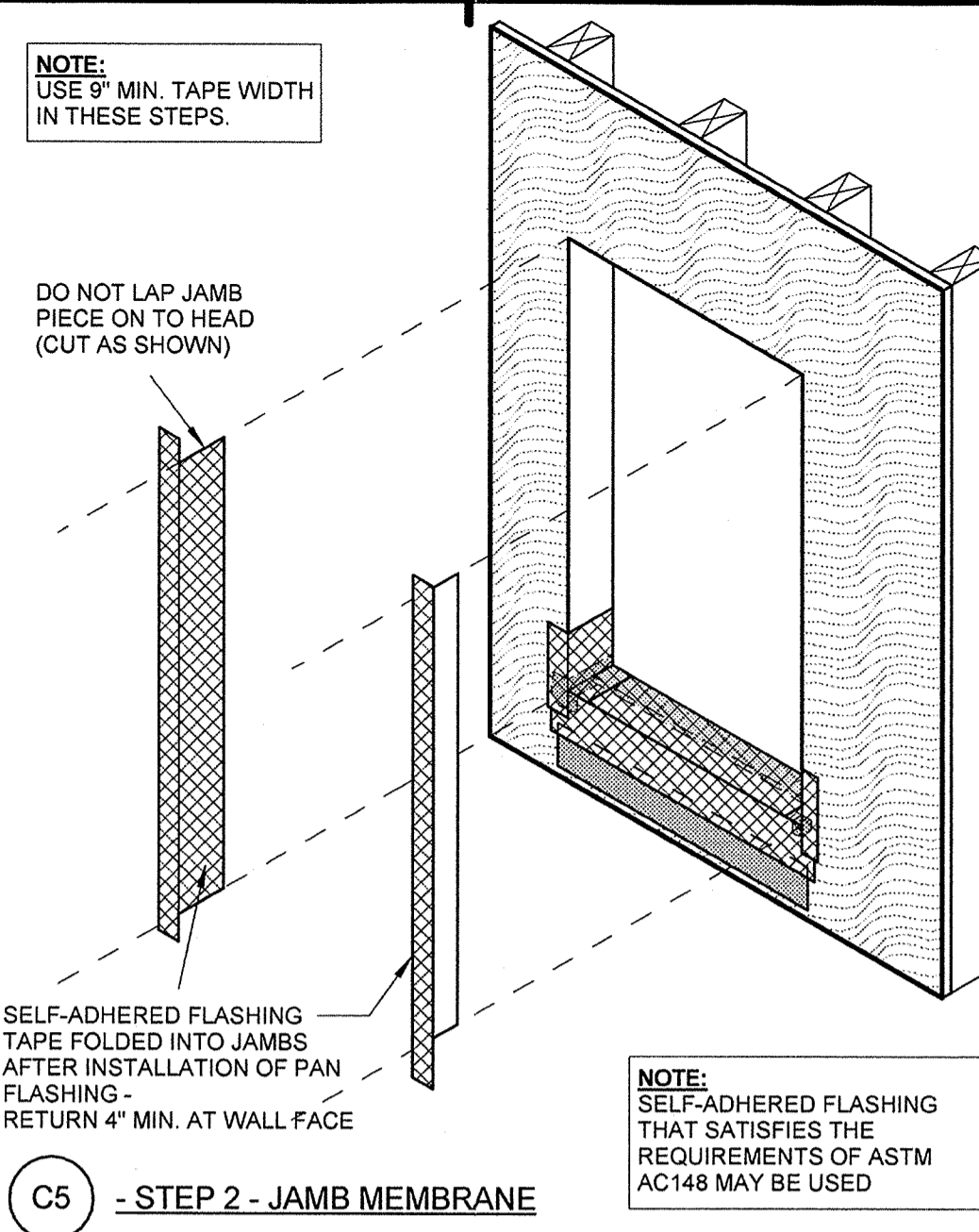
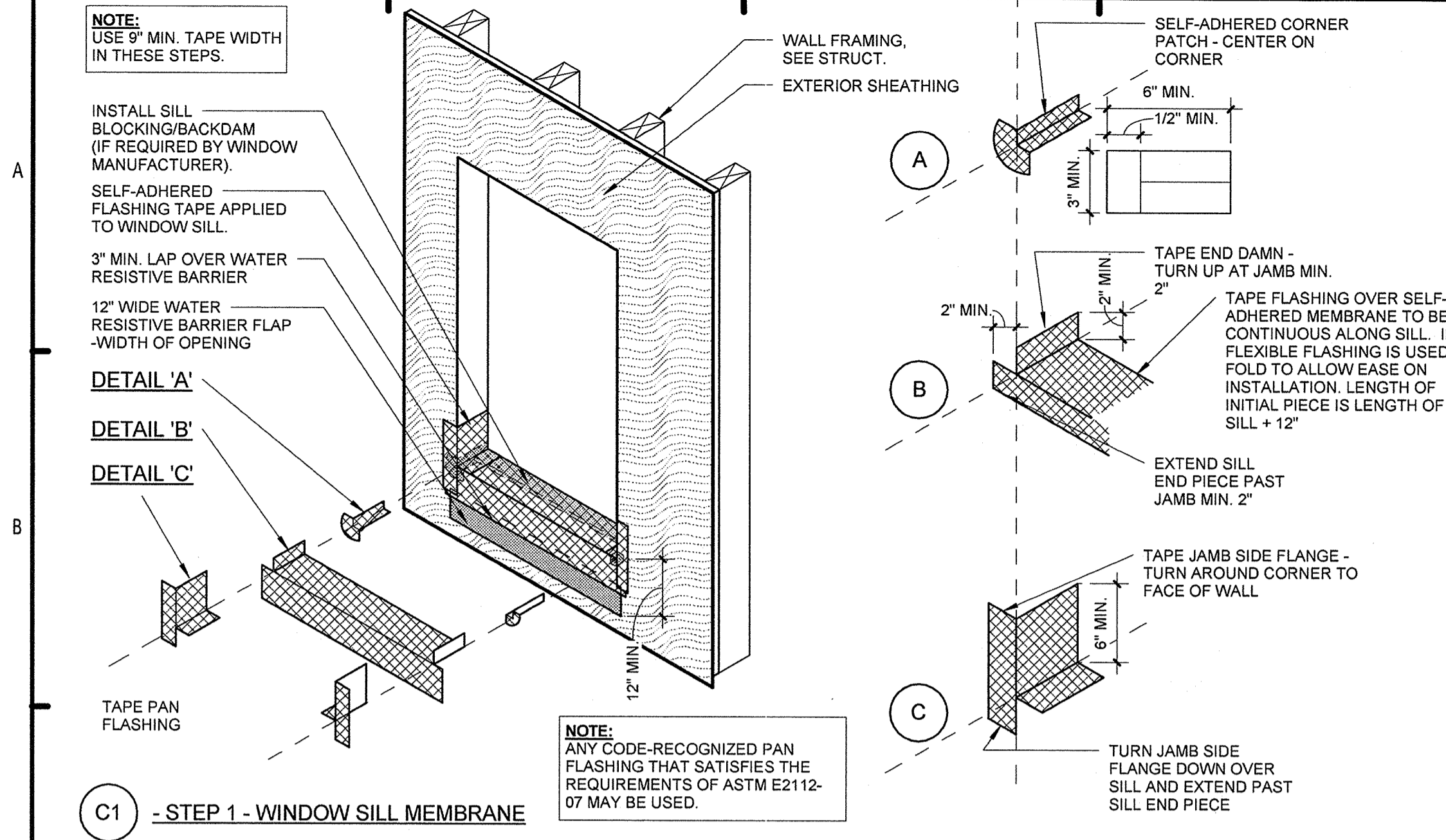
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**SUMMER BAY APARTMENTS**  
Lake County, FL

**WINDOW SCHEDULES AND DETAILS**  
A7.02

KEVIN L. HANSEN  
FLORIDA LICENSE # AR0017385

2013



**PERMIT REVIEW**

**NOTE:** ROLL ALL SELF-ADHERED MEMBRANES FLAT WITH HARD FACED ROLLER TO SUBSTRATE OR UNDERLAYMENTS AT EACH STEP OF THE INSTALLATION

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
2		
3		
4		
5		

**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
 PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
 Lake County, FL

**WINDOW AND DOOR TAPING PROCEDURES**  
 A7.03

KEN LINDHAR  
 FLORIDA LICENSE # AR0017385

11/15/2013 12:47:54 PM

A.B.	ANCHOR BOLT	F/	FACE OF	P.A.F.	POWDER ACTUATED FASTENER
ABV	ABOVE	F.D.	FLOOR DRAIN	PC.	PRECAST
A.C.I.	AMERICAN CONCRETE INSTITUTE	F.F.	FINISH FLOOR FOUNDATION	PERP	PERPENDICULAR PLATE
ADD'L	ADDITIONAL	FDN	FOUNDATION	P or PL	PLATE
A.F.F.	ABOVE FINISH FLOOR	FIN	FINISH	P.L.F.	POUNDS PER LINEAL FOOT
AGGR	AGGREGATE	F.G.	FINISH GRADE FLOOR	PNL	PANEL
A.I.S.C.	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FLR	FLOOR	PREMANUF	PRE-MANUFACTURED
A.I.S.I.	AMERICAN IRON AND STEEL INSTITUTE	FLG	FLANGE	PRE-FAB	PRE-FABRICATED
AL.	ALUMINUM	F.S.	FAR SIDE	P.S.F.	POUNDS PER SQUARE FOOT
ALT	ALTERNATE	FT.	FOOT	P.S.I.	POUNDS PER SQUARE INCH
ARCH	ARCHITECT(URAL)	FTG	FOOTING	P.S.L.	PARALLEL STRAND LUMBER
ASPH	ASPHALT	GA.	GAGE, GAUGE	PTN	PARTITION
A.S.T.M.	AMERICAN SOCIETY OF TESTING MATERIALS	GALV	GALVANIZE	P.T.	PRESSURE TREATED
A.W.S.	AMERICAN WELDING SOCIETY	G.B.	GRADE BEAM	R	RADIUS
		G.C.	GENERAL CONTRACTOR	REF	REFERENCE
		G.LB	GLU-LAM BEAM GRADE	REINF	REINFORCE(D) (ING)
		GR.		REQ	REQUIRE
		H.C.	HOLLOW CORE	REQ'D	REQUIRED
B/	BOTTOM OF	HK.	HOOK	REV	REVIEWED
B.B.	BOND BEAM	HORIZ	HORIZONTAL	RF	ROOF
BIT	BITUMINOUS	H.P.	HIGH POINT	RTN	RETURN
BLDG	BUILDING	H.S.	HEADED STUD	RW	RETAINING WALL
BLW	BELOW	HT	HEIGHT	SCH	SCHEDULE
BM.	BEAM	I.D.	INSIDE DIAMETER	S.E.	SLAB EDGE
BOT	BOTTOM	I.F.	INSIDE FACE	SECT	SECTION
B.P.	BASE PLATE	INT	INTERIOR	S.F.	STEP FOOTING
BRDG	BRIDGING			SHT	SHEET
BRG	BEARING	JST	JOIST	SIM	SIMILAR
BRK	BRICK	JT	JOINT	S.J.	SAWCUT JOINT
B.S.	BOTH SIDES			SJI	STEEL JOIST
BTWN	BETWEEN				INSTITUTE
B.U.	BUILT UP			SL.	SLOPE
				SP.	SPACE(S)
C/C	CENTER TO CENTER	K.	KIP	SPECS	SPECIFICATIONS
CANT	CANTILEVER	K.O.	KNOCK OUT	SQ.	SQUARE
C.B.	CONCRETE BEAM	KWY	KEYWAY	S.S.	STAINLESS STEEL
C.C.	CONCRETE COL			STD	STANDARD
C.I.P.	CAST IN PLACE	L	LENGTH	STL	STEEL
C.S.J.	CONSTRUCTION JOINT	L.DG	LANDING	STR	STRENGTH
C.J.	CONTROL JOINT	L.G.	LONG	STRL	STRUCTURAL
Q or CL	CENTERLINE	L.L.	LIVE LOAD	S.W.	SHEAR WALL
CLR	CLEAR(ANCE)	LLH	LONG LEG	SYM	SYMMETRICAL
C.M.	CONCRETE MASONRY	LLV	LONG LEG	S.P.	SOUTHERN PINE
C.M.U.	CONCRETE MASONRY UNIT			S.P.F.	SPRUCE PINE FIR
COL	COLUMN	LLV	LONG LEG	T.B.	TIE BEAM
COORD	COORDINATE	LNTL	LONG SLOTTED	T&B	TOP & BOTTOM
CONC	CONCRETE	L.S.H.	LONG SLOTTED HOLES	TDS	TURN DOWN SLAB
CONN	CONNECTION			TEMP	TEMPERATURE
CONT	CONTINUOUS	LONG	LONGITUDINAL	THD	THREADED
CONTR	CONTRACTOR	L.P.	LONG POINT	THK	THICK
CONST	CONSTRUCTION	L.V.L.	LAMINATED VENEER LUMBER	THNS	THICKEN SLAB
CSK	COUNTER SINK	MAS	MASONRY	TOP'G	TOPPING
CS.J	CONSTRUCTION JOINT	MAX	MAXIMUM	TYP.	TYPICAL
CTR	CENTER	MBM	MASONRY BEAM	T/	TOP OF
CTR'D	CENTERED	M.C.	METAL BUILDING MFR MOMENT CONNECTION	TRANS	TRANSVERSE
		MCJ	MASONRY CONTROL JOINT	UNO	UNLESS NOTED OTHERWISE
		MECH	MECHANICAL	VERT	VERTICAL
		MEZZ	MEZZANINE		
		MFR	MANUFACTURE(ER)	WD	WOOD
		MIN	MINIMUM	W.F.	WALL FOOTING
		MOM	MOMENT	W.F.	WIDE FLANGE
		M.O.	MASONRY OPENING	W.O.	WINDOW OPENING (MASONRY)
		M.S.	METAL STUD	W.P.	WORKING POINT
		MTL	METAL	WS.	WATERSTOP
		N.S.	NEAR SIDE	WT	WEIGHT
		NTS	NOT TO SCALE	WWF	WELDED WIRE FABRIC
				W/	WITH
EA.	EACH	OA.	OVERALL		
E.E.	EACH END	O.B.	OVER BUILT		
E.F.	EACH FACE	O.C.	ON CENTER		
E.J.	EXPANSION JOINT	O.D.	OUTSIDE DIAMETER		
ENG	ENGINEER	O.F.	OUTSIDE FACE		
EL.	ELEVATION	OPNG	OPENING		
EQ.	EQUAL	OPP	OPPOSITE		
EQ. SP.	EQUAL SPACE(S) (ING)	OSB	ORIENTED STRAND BOARD		
E.S.	EACH SIDE				
E.W.	EACH WAY				
EXT	EXTERIOR				

**GENERAL CONDITIONS**

- PERFORM CONSTRUCTION AND WORKMANSHIP IN COMPLIANCE WITH CONTRACT DOCUMENTS AND FLORIDA BUILDING CODE 2010.
- IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE MOST STRINGENT SHALL BE PROVIDED.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR TO CONFORM TO THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS.
- DESIGN LOADS:  
SUPERIMPOSED DEAD LOADS  
FLOOR TRUSSES  
BOTTOM CHORD 10 PSF  
TOP CHORD (INTERIOR) 15 PSF  
TOP CHORD (BREEZEWAYS, LANDINGS, BALCONIES) 30 PSF  
ROOF TRUSSES  
BOTTOM CHORD 10 PSF  
TOP CHORD 10 PSF  
LIVE LOADS  
RESIDENTIAL UNITS 40 PSF  
BALCONIES 60 PSF  
BREEZEWAYS AND LANDINGS 100 PSF  
STAIRWAYS 100 PSF  
ROOF 20 PSF
- DESIGN WIND LOADS ARE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010 (ASCE 7-10).  
ULTIMATE WIND SPEED (V<sub>ult</sub>) = 139 MPH  
NOMINAL WIND SPEED (V<sub>asd</sub>) = 108 MPH  
EXPOSURE = C  
RISK CATEGORY = II  
INTERNAL PRESSURE COEFFICIENT = ± 0.18 (ENCLOSED)
- CONTRACTOR TO SUPPORT, BRACE AND SECURE EXISTING STRUCTURE AS REQUIRED. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE AND HAVING FAMILIARIZED HIMSELF WITH ALL EXISTING CONDITIONS. ANY QUESTIONS OR DISCREPANCIES FOUND WITH REGARD TO THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNERS BEFORE SUBMITTING A PROPOSAL. FIELD MEASURE EXISTING CONDITIONS PRIOR TO FABRICATION OF MATERIALS.

**FOUNDATIONS**

- FOUNDATIONS HAVE BEEN DESIGNED BASED ON AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF IN ACCORDANCE WITH FLORIDA BUILDING CODE TABLE 1806.2. THIS BEARING PRESSURE IS TO BE CONFIRMED BY A GEOTECHNICAL ENGINEER LICENSED IN THE PROJECT STATE WITH ISSUANCE OF A FULL REPORT.
- EARTHWORK SHALL BE PERFORMED UNDER THE SUPERVISION OF A LICENSED SOIL TESTING COMPANY TO ASSURE COMPLIANCE WITH REQUIREMENTS OF THE SOILS REPORT AND SPECIFICATIONS.
- PLACE FOOTINGS AND BUILDING SLABS-ON-GRADE ON COMPACTED FILL OR UNDISTURBED NATURAL GRADE AS INDICATED IN THE GEOTECHNICAL REPORT.
- SIDES OF FOUNDATIONS SHALL BE FORMED UNLESS CONDITIONS PERMIT EARTH FORMING. FOUNDATIONS PLACED AGAINST THE EARTH REQUIRE THE FOLLOWING PRECAUTIONS: SLOPE SIDES OF EXCAVATIONS AS APPROVED BY THE GEOTECHNICAL ENGINEER AND CLEAN UP MUD BEFORE AND DURING CONCRETE PLACEMENT.
- ALL FOOTINGS SHALL BE CENTERED UNDER THE COLUMNS OR WALL ABOVE UNLESS NOTED OTHERWISE.

**REINFORCING STEEL**

- ALL REINFORCING SHALL BE ASTM A615, GRADE 60. BARS SHALL SECURELY TIE IN PLACE WITH #16 DOUBLE-ANNEALED IRON WIRE, BARS SHALL BE SUPPORTED ON ACCEPTABLE CHAIRS. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING OF REINFORCED CONCRETE STRUCTURES." CONTRACTOR SHALL COORDINATE REINFORCING STEEL PLACEMENT DETAILS AND PROVIDE TEMPLATES FOR PLACING STEEL IN CONGESTED AREAS AS NECESSARY. SHOP DRAWINGS (INCLUDING PLACING PLANS AND ELEVATIONS) SHALL BE SUBMITTED TO, AND REVIEWED BY, THE ARCHITECTS/ENGINEER BEFORE STARTING FABRICATION.
- WELDED WIRE FABRIC SHALL BE ELECTRICALLY WELDED AND CONFORM TO ASTM A185 (FLAT SHEET), YIELD STRENGTH 65,000 PSI. AN 8" MINIMUM LAP SHALL BE PROVIDED FOR SIDE AND END LAP. WELDED WIRE FABRIC SHALL SUPPORTED IN APPROVED CHAIRS. REFER TO NOTE #6 UNDER SLAB ON GRADE CONSTRUCTION FOR FIBROUS REINFORCING OPTION.
- NO REINFORCING BARS SHALL BE SPLICED BY WELDING. AT THE CONTRACTOR'S OPTION, MECHANICAL BUTT SPLICING USING AN EXOTHERMIC WELDING PROCESS AND HIGH STRENGTH SLEEVES OR MECHANICAL CONNECTION SPLICING MAY BE USED, PROVIDED THAT THE MECHANICAL SPLICES SHALL BE ICBO APPROVED TO ACHIEVE A MINIMUM TENSILE STRENGTH OF 125 PERCENT OF THE SPECIFIED YIELD STRENGTH OF THE BAR. THE MINIMUM TENSILE STRENGTH REQUIREMENT SHALL BE INCREASED TO 160 PERCENT FOR MECHANICAL SPLICES AT THE INTERFACE OF DIAPHRAGMS AND THE LATERAL SYSTEM, AND FOR MECHANICAL SPLICES WITHIN ELEMENTS OF THE LATERAL SYSTEM. SPLICES DEVICES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. REINFORCING BARS SHALL BE LAP SPLICED FOR TENSION UNLESS NOTED OTHERWISE ON THE DRAWINGS. #14 AND #18 BARS SHALL NOT BE LAP SPLICED.
- WELDING OR TACK WELDING OF REINFORCING BARS TO OTHER BARS OR TOE PLATES, ANGLES ETC, IS PROHIBITED, EXCEPT WHERE SPECIFICALLY APPROVED BY THE ENGINEER. WHERE WELDING IS APPROVED, IT SHALL BE DONE BY AWS CERTIFIED WELDERS USING E9018 OR APPROVED ELECTRODES. WELDING PROCEDURES SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.4.
- MINIMUM CAST-IN-PLACE CONCRETE COVER OVER REINFORCING STEEL, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:  
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:  
3 INCHES.  
CONCRETE EXPOSED TO EARTH OR WEATHER:  
1 1/2 INCHES FOR #5 BAR OR SMALLER  
2 INCHES FOR #6 BAR OR LARGER  
OTHER CONCRETE:  
WALLS - INTERIOR FACE:  
#14 AND #18 BARS - 1 1/2 INCHES  
#11 BARS AND SMALLER - 3/4 INCH  
SLABS  
#11 BARS AND SMALLER - 3/4 INCH  
BEAMS AND COLUMNS - TIES, STIRRUPS, SPIRALS: 1 1/2 INCHES
- PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE. SPLICE ONLY AS SHOWN OR APPROVED. STAGGER SPLICES WHERE POSSIBLE. USE TENSION SPLICE CLASS "B" UNLESS NOTED OTHERWISE. DOWELS SHALL MATCH SIZE AND SPACING OF THE SPECIFIED REINFORCEMENT AND SHALL BE LAPPED WITH TENSION SPLICES. UNLESS NOTED OTHERWISE LAP LENGTHS EXPRESSED IN NUMBER OF BAR DIAMETERS SHALL BE AS FOLLOWS:

BAR SIZE	NORMAL WEIGHT CONCRETE, F'c (p.s.i.)				
	CLASS	3,000	4,000	5,000	6,000
#6 OR SMALLER	A	44 DIAM.	38 DIAM.	34 DIAM.	31 DIAM.
	B	57 DIAM.	49 DIAM.	44 DIAM.	40 DIAM.
#7 OR LARGER	A	55 DIAM.	47 DIAM.	42 DIAM.	39 DIAM.
	B	71 DIAM.	62 DIAM.	55 DIAM.	50 DIAM.

**LAP SPLICE LENGTH NOTES:**

- TABLE IS BASED ON a) CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN ONE BAR DIAMETER (BD), CLEAR COVER NOT LESS THAN ONE DB, AND STIRRUPS OR TIES THROUGHOUT THE LAP SPLICE LENGTH NOT LESS THAN THE CODE MINIMUM, OR b) CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2 DB AND CLEAR COVER NOT LESS THAN ONE DB. FOR ALL OTHER CASES, MULTIPLY TENSION LAP BY 1.5.
- FOR TENSION REINFORCEMENT WITH MORE THAN 12" OF CONCRETE BELOW, OR FOR VERTICAL REINFORCEMENT, MULTIPLY THE LAP SPLICE LENGTH INDICATED IN THE TABLE BY 1.3. HOWEVER, THE LAP SPLICE LENGTH SHALL NOT BE LESS THAN 12".
- FOR TENSION REINFORCEMENT IN LIGHTWEIGHT CONCRETE, MULTIPLY LAP SPLICED LENGTH BY 1.3

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No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

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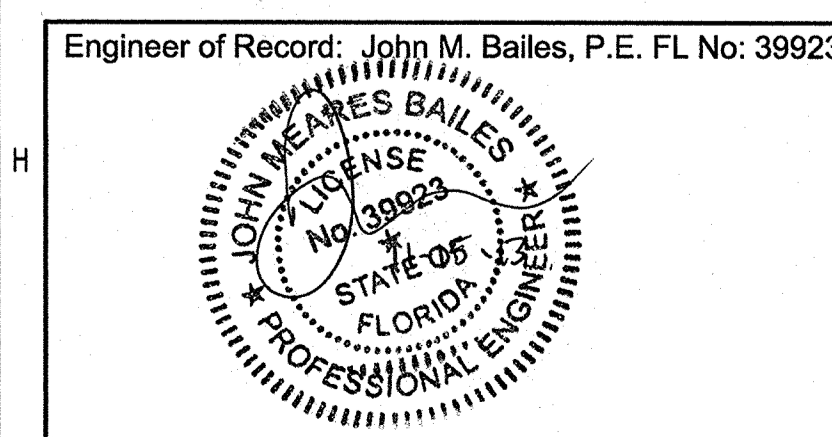
**REVISION HISTORY**

No.	Date	Description



**LAKE COUNTY BUILDING DIVISION**  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.  
**RECEIVED DEC 04 2013**

<b>SUMMER BAY APARTMENTS</b> <small>Lake County, FL</small>	Drawn: LEB/HT/CLH
	Checked: CLH/JMB
	Approved: JMB
<b>GENERAL STRUCTURAL NOTES</b>	Date: 11/15/2013
	Project #: 5169
<b>S1.01</b>	



CAST IN PLACE CONCRETE

- 1. ALL CONCRETE SHALL BE NORMAL WEIGHT AND HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:

Table with 3 columns: PLACEMENT, MINIMUM STRENGTH, MAX:WATER/CEMENT RATIO. Rows include FOOTINGS / SLAB ON GRADE and REMAINING CONCRETE.

- 2. ALL CONCRETE SHALL HAVE A SLUMP OF 4" PLUS OR MINUS 1", AND HAVE 2 TO 4% AIR ENTRAINMENT.
3. CONCRETE MIX DESIGN SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301 CHAPTER 3, METHOD 1 OR METHOD 2.
4. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
5. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318 LATEST EDITION, AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," ACI 301, LATEST EDITION.
6. ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI 315 LATEST EDITION, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
7. CONTRACTOR SHALL REVIEW ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, OPENINGS, ANCHOR BOLTS, SLOPES, ETC. REQUIRED BY OTHER TRADES.
8. WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, THE LENGTH OF ANY HOOK, IF REQUIRED, IS NOT INCLUDED.
9. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC. NECESSARY TO SUPPORT REINFORCING STEEL.
10. CONTRACTOR SHALL PROVIDE 3/4 INCH CHAMFER ON ALL EXPOSED CORNERS OF COLUMNS, BEAMS, AND WALLS UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL DRAWINGS.
11. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
12. HORIZONTAL WALL AND FOOTING BARS SHALL BE BENT 1'-0" AROUND CORNERS OR CORNER BARS WITH 2'-0" LAP SHALL BE PROVIDED.
13. HORIZONTAL KEYWAYS IN CONSTRUCTION JOINTS SHALL BE PROVIDED IN BEAMS, SUPPORTED SLABS, AND WALL FOOTINGS WITH A DEPTH OF 1-1/2" AND HEIGHT EQUAL TO ONE-THIRD OF THE MEMBER'S DEPTH.
14. CONTRACTOR SHALL KEEP A COPY OF "FIELD REFERENCE MANUAL" (ACI PUBLICATION SP-15, LATEST EDITION) AT THE PROJECT FIELD OFFICE.
15. MINIMUM LAP LENGTHS ON ALL REINFORCING BAR SPLICES SHALL BE 48 BAR DIAMETERS.
16. TESTING LABORATORY SHALL SUBMIT ONE COPY OF ALL CONCRETE TEST REPORTS DIRECTLY TO THE ENGINEER.

POST-TENSIONED SLAB ON GRADE

- 1. ALL DESIGN, MATERIAL, AND WORKMANSHIP FOR POST-TENSIONED SLAB ON GROUND SHALL BE AS PUBLISHED BY THE POST-TENSIONING INSTITUTE.
2. THIS SLAB-ON-GROUND SHALL BE DESIGNED TO CONTROL TEMPERATURE AND SHRINKAGE CRACKS.
3. ALL DIMENSIONS, BRICKLEDGES, DROPS, OFFSETS, OPENINGS, INSERTS, ETC., SHALL BE VERIFIED BY THE BUILDER PRIOR TO THE PLACEMENT OF THE SLAB-ON-GROUND.
4. ALL CONCRETE SHALL COMPLY WITH ACI-318 AND HAVE A MINIMUM SPECIFIED 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
5. CONCRETE SHALL NOT BE PLACED IN RAINY WEATHER NOR AT TEMPERATURES BELOW 40°F NOR IN OTHER ADVERSE WEATHER.
6. CONCRETE SHALL BE WELL CONSOLIDATED, ESPECIALLY IN THE VICINITY OF POST-TENSIONING ANCHORAGES.
7. PRESTRESSING STEEL: PRESTRESSING STEEL SHALL BE CLEAN AND FREE FROM CORROSION.

Table with 2 columns: PROPERTY, VALUE. Rows include NOMINAL DIAMETER, CROSS SECTIONAL AREA, ELASTIC MODULUS (ASSUMED), ULTIMATE TENSILE STRENGTH, MAXIMUM STRESSING FORCE.

- 8. STRAND SHALL BE COATED WITH A PERMANENT RUST PREVENTATIVE COATING AND ENCLOSED WITHIN AN EXTRUDED PLASTIC SHEATHING.
9. TENDONS SHALL BE SECURED AND SUPPORTED TO THE FORMS AND SHALL BE SUPPORTED ON CHAIRS AT ALL INTERSECTIONS.
10. SLAB TENDONS SHALL BE PLACED TO A VERTICAL TOLERANCE OF +/- 1/2" AND A HORIZONTAL TOLERANCE OF +/- 12" (3" AT EDGE OF SLAB) HORIZONTAL DEVIATIONS SHALL BE SMOOTHLY ACCOMPLISHED AND LIMITED TO ONE INCH PER FOOT.
11. TENDONS SHALL BE STRESSED NO EARLIER THAN 3 DAYS AND NO LONGER THAN 7 DAYS AFTER CONCRETE PLACEMENT.
12. CONCRETE SHALL HAVE ACHIEVED A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI PRIOR TO STRESSING.
13. SHRINKAGE CRACKING CAN BE LIMITED BY PARTIAL STRESSING OF THE TENDONS TO 10 KIPS EACH ON THE DAY AFTER POURING.
14. FULLY STRESSED TENDONS SHALL BE CUT 1" WITHIN THE FACE OF THE CONCRETE.
15. TENDONS IN AREAS WHERE DRILLING WILL OCCUR MAY BE SHIFTED AS MUCH AS 12" TO AVOID BEING CUT BY DRILL.

SLAB ON GRADE CONSTRUCTION

- 1. SPECIFICATION: UNLESS NOTED OTHERWISE, SLAB ON GRADE CONSTRUCTION SHALL FOLLOW THE RECOMMENDATIONS OF "THE GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION ACI 302.1R-04".
2. SUBGRADE PREPARATION: AREAS CONTAINING SLAB ON GRADE CONSTRUCTION SHALL BE STRIPPED TO SUFFICIENT DEPTH TO REMOVED ALL VEGETATION, TOP SOIL, ORGANIC AND OTHER UNSUITABLE MATERIALS.
3. REINFORCING STEEL:
4. SEE DETAILS ON THE DRAWINGS FOR REQUIREMENTS OF CONSTRUCTION JOINTS, CONTROL JOINTS AND POUR SIZE AND SEQUENCE OF SLAB ON GRADE CONSTRUCTION.
5. OPENINGS ON SLAB ON GRADE: UNLESS DETAILED OTHERWISE ON THE DRAWINGS, PROVIDE 1-#5 OPENING WIDTH +3'-0" AROUND ALL PENETRATION THROUGH SLAB ON GRADE.
6. FIBROUS REINFORCING (OPTION): FIBROUS REINFORCING SHALL BE 100 PERCENT VIRGIN POLYPROPYLENE, FIBRILLATED FIBERS CONTAINING NO REPROCESS EDOLEFIN MATERIALS.

WOOD CONSTRUCTION

- 1. WOOD CONSTRUCTION SHALL CONFORM TO THE NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION.
2. ALL STRUCTURAL WALL STUDS SHALL BE AS FOLLOWS, UNO:

ALL EXTERIOR WALLS AND BREEZEWAY WALLS:

Table with 2 columns: SUPPORTING (2) FLOORS AND ROOF, SUPPORTING (1) FLOOR AND ROOF, SUPPORTING ROOF ONLY. Values include 3x4 AT 16" O.C. and 2x4 AT 16" O.C.

ALL INTERIOR LOAD BEARING WALLS:

Table with 2 columns: SUPPORTING (2) FLOORS AND ROOF, SUPPORTING (1) FLOOR AND ROOF OR ROOF. Values include 3x4 AT 16" O.C. and 2x4 AT 16" O.C.

ALL LEVELS, INTERIOR NON-LOAD BEARING WALLS MAY BE: 2x4 AT 24" O.C. (SPF)

- FOR STUDS END-JOINTED LUMBER MAY BE USED INTERCHANGEABLY WITH SOLID-SAWN MEMBERS OF THE SAME SPECIES AND GRADE.
3. PLACE A SINGLE 2x PLATE AT THE BOTTOM AND A DOUBLE 2x PLATE AT THE TOP OF ALL STRUCTURAL STUD WALLS.
4. STUDS SHALL BE DOUBLED AT ALL ANGLES, CORNERS AND AROUND ALL OPENINGS.

- 5. WOOD LINTELS OVER OPENINGS SHALL BE AS NOTED ON THE PLANS.
6. WALL SHEATHING SHALL BE: (SEE SHEAR WALL SCHEDULE FOR REQUIREMENTS AT SHEAR WALLS.)
7. ALL WOOD IN CONTACT WITH CONCRETE OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED.
8. FLOOR SHEATHING IS 3/4" TONGUE AND GROOVE C-C PLYWOOD, OR 23/32" O.S.B., GLUED AND FASTENED WITH 10d NAILS AT 6" O.C. AT SUPPORTED EDGES.
9. ROOF SHEATHING SHALL BE 15/32" PLYWOOD OR OSB, FASTENED WITH 8d NAILS AT 6" O.C. AT SUPPORTED EDGES.
10. ALL LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY.
11. PARALLEL STRAND LUMBER (PSL) MEMBER SIZES SHOWN ARE NET; OTHER MEMBER SIZES ARE NOMINAL.
12. NAILING SCHEDULE:

Table with 3 columns: CONNECTION, COMMON NAIL, NUMBER OR SPACING. Rows include SOLE PLATE TO TRUSS OR BLOCKING, STUD TO SOLE PLATE, DOUBLE STUDS, etc.

- 13. WHERE WOOD BEAMS/HEADERS ABUT WOOD COLUMNS, PROVIDE SIMPSON "HUC" CONNECTORS WITH ALL NAILS SPECIFIED BY THE MANUFACTURER.
14. PROVIDE STUDS UNDER ALL GIRDER FLOOR TRUSS BEARING LOCATIONS AS FOLLOW:
1 PLY GIRDER TRUSS - 2 STUDS MINIMUM
2 PLY GIRDER TRUSS - 3 STUDS MINIMUM
3 PLY GIRDER TRUSS - 4 STUDS MINIMUM
4 PLY GIRDER TRUSS - 5 STUDS MINIMUM

PREFABRICATED WOOD TRUSSES

- 1. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED AT EACH END TO THEIR SUPPORTING WALLS OR BEAMS.
2. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LAST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STESS-GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
3. TRUSS MEMBERS AND CONNECTIONS SHALL BE DESIGNED (WITH A MAXIMUM ALLOWABLE STRESS INCREASE FOR LOAD DURATION OF 25% FOR ROOF TRUSSES ONLY) TO WITHSTAND THE LIVE LOADS GIVEN IN THE NOTES AND TOTAL DEAD LOAD.
4. TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND DESIGN NOTES WITH A FLORIDA LICENSED ENGINEER'S SEAL FOR APPROVAL BY THE ENGINEER.
5. THE CONTRACTOR SHALL APPROVE FABRICATION AND INSTALLATION DRAWINGS SHOWING SIZE, SHAPE AND LAYOUT PRIOR TO SUBMITTAL FOR REVIEW BY THE ARCHITECT AND BEFORE FABRICATION HAS BEGUN.
6. BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY TRUSS MANUFACTURER, AND THE LOCAL BUILDING CODE, UNLESS NOTED ON PLANS.
7. TRUSSES SHOWN IN SECTIONS AND DETAILS ARE "GENERIC." SEE ARCHITECTURAL DETAILS FOR ACTUAL OVERHANG CONFIGURATIONS AND HEEL HEIGHTS AND OTHER FEATURES.

PERMIT REVIEW

ISSUE HISTORY

Table with 3 columns: No., Date, Description. Row 1: 1, 11/15/2013, ISSUE FOR PERMIT.

REVISION HISTORY

Table with 3 columns: No., Date, Description. (Empty table)



2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595 www.fuglebergkoch.com AA26002103

LAKE COUNTY BUILDING DIVISION

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SUMMER BAY APARTMENTS

Lake County, FL

GENERAL STRUCTURAL NOTES

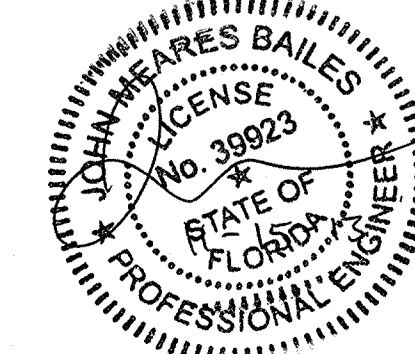
Drawn: LEBHT/CLH
Checked: CLH/JMB
Approved: JMB
Date: 11/15/2013
Project #: 5169

S1.02



To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010. 1265 S. Semoran Blvd., Suite 1201, Winter Park, FL 32789 Phone: 407-677-6936 - Fax: 407-677-5694 Florida Engineering Business Number: 25893 John M. Bailes, P.E. Florida No. 39923

Engineer of Record: John M. Bailes, P.E. FL No: 39923



**SHOP DRAWINGS**

- FOUR COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED FOLLOW THE ARCHITECT'S INSTRUCTIONS FOR DISTRIBUTION.
- COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED IN WHOLE FOR EACH OF THE FOLLOWING CATEGORIES:
  - POST-TENSIONED SLABS-ON-GRADE
  - PRE-ENGINEERED TRUSSES
- DETAILER SHALL BE RESPONSIBLE FOR CHECKING ALL ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR OPENINGS AND EMBEDS, AFFECTING STRUCTURAL MEMBERS.
- SHOP DRAWINGS SHALL BEAR THE INITIALS OF THE DETAILER'S CHECKER AND BE APPROVED BY THE CONTRACTOR BEFORE SUBMITTAL TO ENGINEER.
- THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUB-CONTRACTOR, ERECTOR, FABRICATOR, OF MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.
- IF REPRODUCTIONS OF THESE CONTRACT DRAWINGS ARE USED IN LIEU OF PREPARATION OF SHOP DRAWINGS, THE ARCHITECT'S, ENGINEER'S, OR OTHER DESIGN CONSULTANT'S TITLE BLOCK SHALL BE REMOVED AND REPLACED WITH A TITLE BLOCK LISTING THE FOLLOWING ITEMS:
  - NAME, ADDRESS, AND TELEPHONE NUMBER OF CONTRACTOR, SUB-CONTRACTOR, ETC. SUBMITTING SHOP DRAWINGS.
  - SHEET NUMBER.
  - DATE DRAWING PREPARED, INITIALS OF PERSON WHO PREPARED DRAWINGS, AND PERSON WHO CHECKED DRAWINGS.

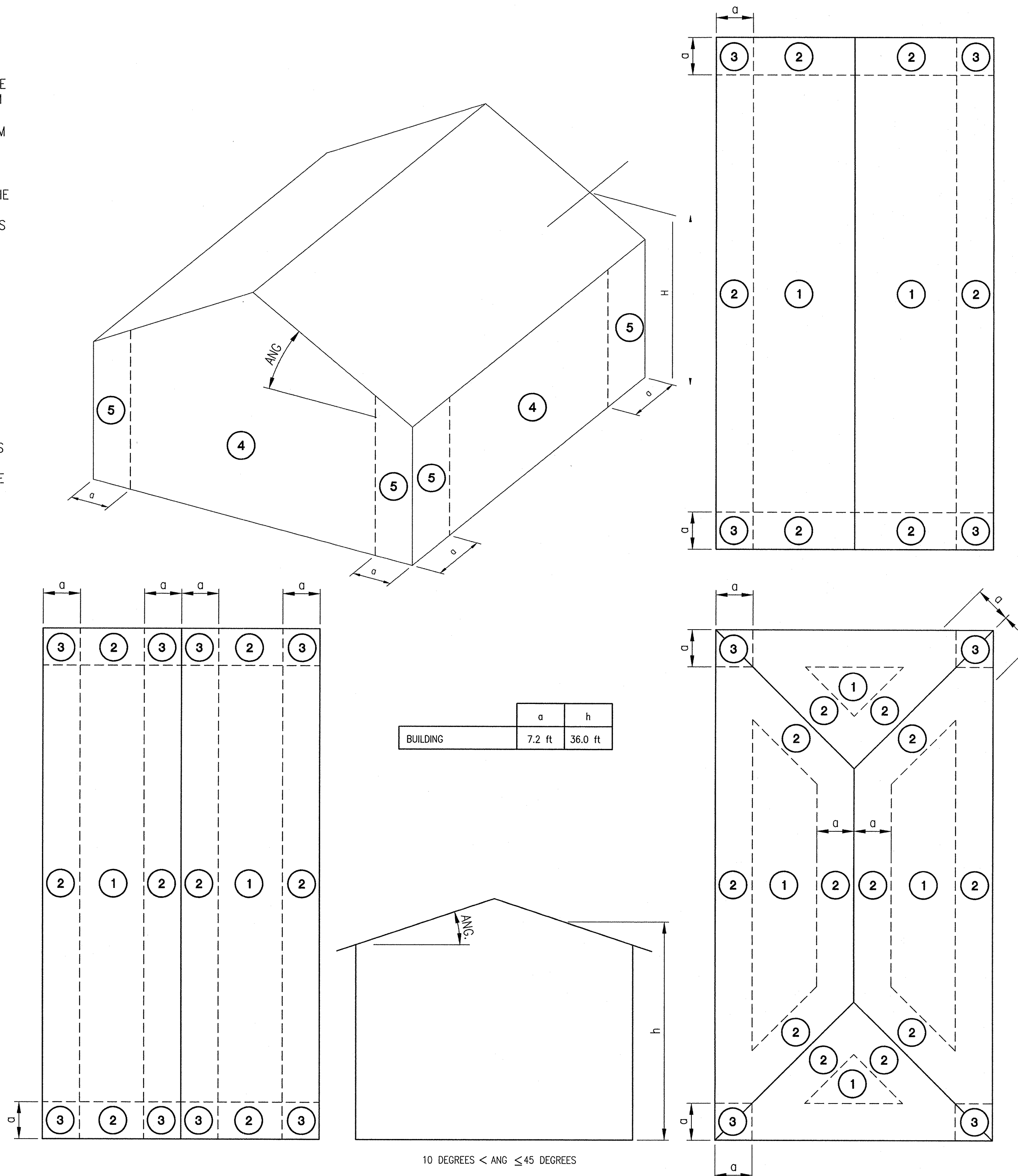
ANY REPRODUCTION OF THESE CONTRACT DRAWINGS NOT COMPLYING WITH THE ABOVE WILL BE REJECTED WITHOUT REVIEW.

**CALCULATION REQUIREMENTS**

- CALCULATIONS AS REQUIRED BY DRAWINGS SHALL BE SUBMITTED WITH THE REQUIRED SHOP DRAWINGS.
- ALL CALCULATIONS SUBMITTED SHALL BE PRESENTED IN A LEGIBLE MANNER AND FOLLOW AN ORDERLY, LOGICAL SEQUENCE.
- ALL REFERENCES AND SOURCES OF INFORMATION SHALL BE LISTED WITHIN THE CALCULATIONS. COPIES OF PERTINENT SECTIONS SHALL BE INCLUDED.
- BASIC LOADS AND DERIVATION OF FORCES, MOMENTS, SHEARS, REACTIONS, DEFLECTIONS, CAMBERS, ETC., SHALL BE INCLUDED. INCLUDE ALL UNBALANCED LOADING FORCES AS REQUIRED.
- DESIGN ASSUMPTIONS SHALL BE CLEARLY STATED.
- ALL COMPUTER GENERATED CALCULATIONS SHALL BE ACCOMPANIED WITH EXPLANATIONS OF OUTPUT/INPUT DATA (i.e. VARIABLE IDENTIFICATION, LOAD DERIVATION, ETC.). A BRIEF EXPLANATION OF GENERAL THEORY, METHOD AND ASSUMPTIONS USED SHALL BE INCLUDED.
- ALL CALCULATIONS ARE TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.

**REINFORCED MASONRY**

- CONSTRUCTION SHALL MEET THE REQUIREMENTS OF ACI 530/ASCE 5, "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY" AND ACI 530.1/ASCE6, "SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY. ALL HOLLOW LOAD BEARING CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, NORMAL WEIGHT, TYPE 2. ALL UNITS SHALL BE LAID IN RUNNING BOND USING TYPE S MORTAR WITH HEAD JOINTS. MASONRY MINIMUM STRENGTH F'M = 1500 PSI. MINIMUM BLOCK COMPRESSIVE STRENGTH IS 1900 PSI.
- USE TYPE S MORTAR IN ACCORDANCE WITH ASTM C270 EXCEPT TYPE M MORTAR BELOW GRADE. HEAD AND BED JOINTS SHALL BE 3/8" FOR THE THICKNESS OF THE FACE SHELL. WEBS ARE TO BE FULLY MORTARED IN ALL COURSES OF PIERS, COLUMNS AND PILASTERS; IN STARTING COURSE; AND WHERE AN ADJACENT CELL IS TO BE GROUTED. REMOVE MORTAR PROTRUSIONS EXTENDING 1/2" OR MORE INTO THE CELL TO BE GROUTED.
- USE STANDARD (9 GAUGE) TRUSS TYPE HORIZONTAL JOINT REINFORCING CONFORMING TO ASTM A-82 IN EVERY OTHER COURSE. OVERLAP DISCONTINUOUS END 6". USE PREFABRICATED CORNER AND TEES, SEE SPECIFICATION
- ALL CELLS CONTAINING REINFORCEMENT SHALL BE FILLED SOLID WITH CONCRETE GROUT CONFORMING TO ASTM C-476, GROUT MIXED SHALL CONTAIN PORTLAND CEMENT ONLY PLUS AGGREGATE. MAXIMUM SIZE OF AGGREGATE SHALL BE 3/8 INCH. SLUMP SHALL BE 8 TO 11 INCHES. WATER REDUCING ADMIXTURES MAY BE USED. GROUT SHALL BE VIBRATED WHILE PLACING TO ENSURE THAT CELLS ARE COMPLETELY FILLED. MINIMUM GROUT COMPRESSIVE STRENGTH BASED ON 28 DAY TEST SHALL BE 2000 PSI USING 3 1/2"x3 1/2"x7" OR 3"x3"x6" TEST SPECIMENS CAST IN MOIST WITH A FIST NON-ABSORBENT BASE AND MASONRY UNITS HAVING THE SAME MOISTURE CONDITIONS AT THOSE BEING LAID FORMING THE SIDE OF THE SPECIMENS SPECIMEN SHALL BE TESTED ACCORDING TO ASTM C39.
- VERTICAL BARS SHALL BE HELD IN POSITION AT THE TOP AND THE BOTTOM AND INTERVAL NOT EXCEEDING 8'-0". WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH CORRESPONDING VERTICAL BAR, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICAL.
- THE MINIMUM SPLICE LENGTH FOR ALL VERTICAL BARS SHALL BE:
  - 45 INCHES FOR #5 BARS
  - 54 INCHES FOR #6 BARS
- PROVIDE DOVETAIL ANCHORS AT 16" C/C, UNLESS NOTED OTHERWISE, WHERE MASONRY WALLS ABUT CONCRETE SURFACES.
- UNLESS NOTED OTHERWISE, PROVIDE 8" DEEP PRECAST "U" LINTEL WITH 2-#5's AND FILLED SOLID WITH GROUT.



**COMPONENT AND CLADDING ZONE DIAGRAMS**

AREA (A) (SQFT)	ZONE 1		ZONE 2		ZONE 3		ZONE 4		ZONE 5	
	+(PSF)	-(PSF)	+(PSF)	-(PSF)	+(PSF)	-(PSF)	+(PSF)	-(PSF)	+(PSF)	-(PSF)
< 20	18.3	29.0	18.3	50.5	18.3	74.7	31.7	34.4	31.7	42.5
20 ≤ A < 50	16.7	28.2	16.7	46.5	16.7	69.9	30.3	33.0	30.3	39.6
50 ≤ A < 100	14.5	27.1	14.5	41.1	14.5	63.4	28.4	31.1	28.4	35.8
≥ 100	12.9	26.3	12.9	37.1	12.9	58.6	27.0	29.7	27.0	33.0

WIND PRESSURES SHOWN ARE UNFACTORED (SERVICE LOAD) VALUES. TO OBTAIN ULTIMATE DESIGN PRESSURES FOR ASCE 7-10 LOAD COMBINATIONS, MULTIPLY THE PRESSURES SHOWN BY A FACTOR OF 1.3.

**ASD**  
**ADVANCED STRUCTURAL DESIGN**  
 To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010.  
 1265 S. Seminole Blvd., Suite 1201, Winter Park, FL 32789  
 Phone: 407-677-6898 - Fax: 407-677-6894  
 Florida Engineering Business Number: 25893  
 John M. Bailes, P.E. Florida No: 39923

**PERMIT REVIEW**

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**ISSUE HISTORY**

No.	Date	Description
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**FUGLEBERG KOCH**  
 P.L.L.C.  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Drawn: LEB/HT/CLH  
 Checked: CLH/JMB  
 Approved: JMB  
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 Page#: 5169

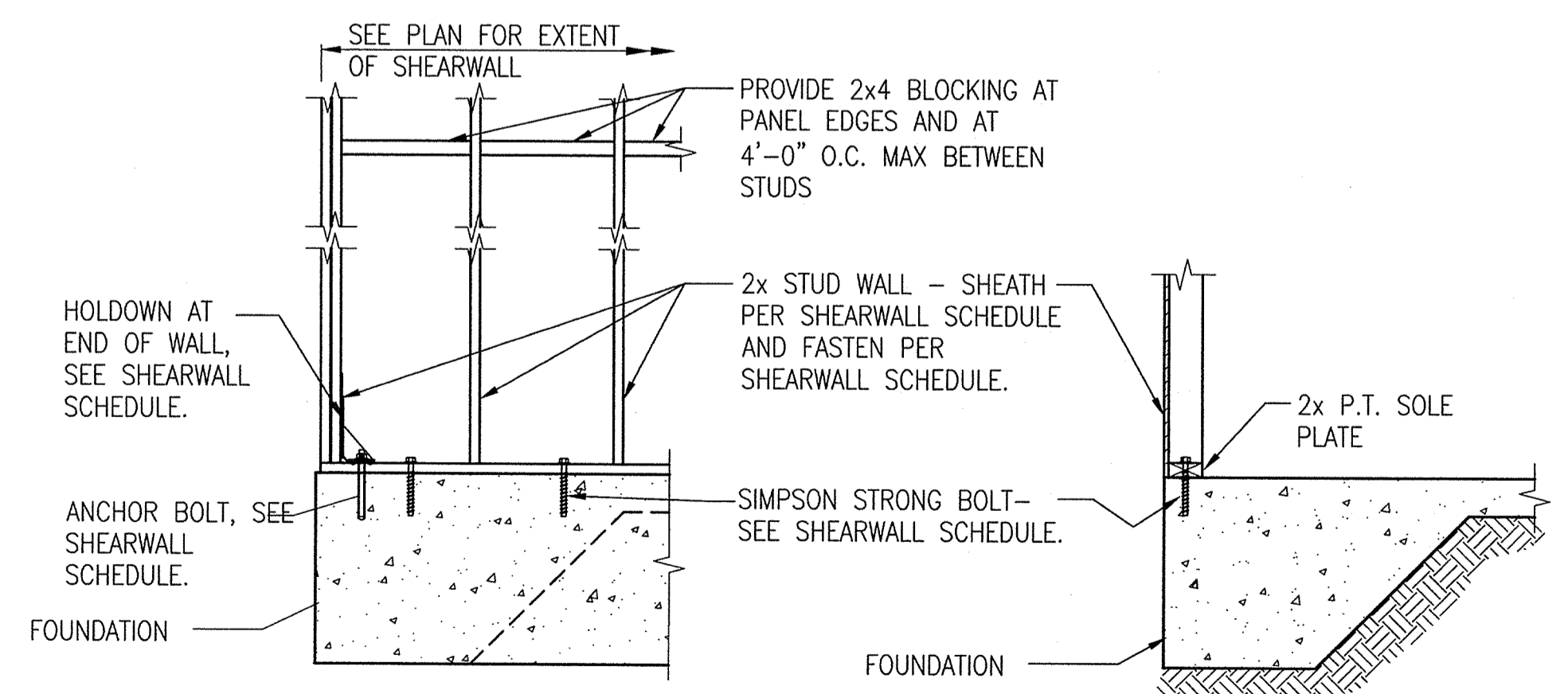
**GENERAL STRUCTURAL NOTES**  
**S1.03**

Engineer of Record: John M. Bailes, P.E. FL No: 39923

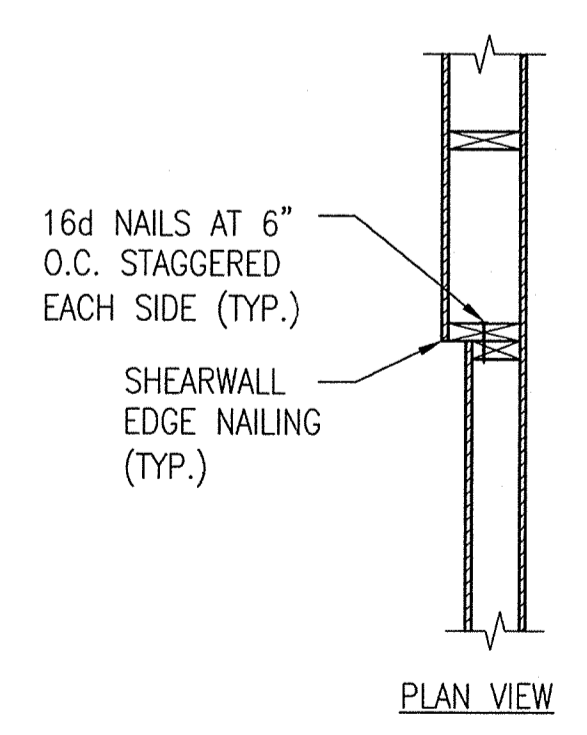
# SHEARWALL SCHEDULE

TYPE	FLOOR	SHEATHING	NAILING PATTERN	CONNECTOR AT END OF WALL	NO. STUDS AT END OF WALL	FND SOLE PLATE ATTACHMENT
		(1) LAYER 5/8" GYP EXPOSED FACE	6d WALDBOARD NAILS AT 4" O.C. AT ALL STUDS AND BLOCKING	(1) 10d @ EACH END OF SHEAR WALL WITH 5/8" DIA ANCHOR BOLT	(2) 2x4 @ (1) 2x4	1/2" DIA. STEEL HD AT 8" O.C.
		(1) LAYER 5/8" GYP EACH SIDE OF STUDS. SEE NOTE B.	8d NAILS AT 6" O.C. AT EDGES + 12" IN FIELD	(1) 10d @ EACH END OF SHEAR WALL WITH 5/8" DIA ANCHOR BOLT	(2) 2x4 @ (1) 2x4	1/2" DIA. STEEL HD AT 8" O.C.
		(1) LAYER 1 1/2" PLUMBOUR OR OSB AT EXTERIOR FACE		(1) 10d @ EACH END OF SHEAR WALL WITH 5/8" DIA ANCHOR BOLT	(2) 2x4 @ (1) 2x4	1/2" DIA. STEEL HD AT 8" O.C.
①	FIRST					
	SECOND					
	THIRD					
②	FIRST					
	SECOND					
	THIRD					
③	FIRST					
	SECOND					
	THIRD					
④	FIRST					
	SECOND					
⑤	FIRST					
	SECOND					
	THIRD					

1. ALL HARDWARE FASTENERS ARE AS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, INC. (OR APPROVED EQUAL) AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
2. WHERE SCHEDULED ADDITIONAL STUDS AT THE ENDS OF SHEAR WALLS ARE INTERRUPTED AT TRUSS BEARING, PROVIDE SOLID BLOCKING STUDS SCHEDULED FOR THE LOWER FLOOR.
3. WHERE SCHEDULED SHEATHING CANNOT EXTEND FULL HEIGHT OF WALL, PROVIDE SHEATHING OR BLOCKING BETWEEN FLOOR TRUSSES AT ALL SHEARWALLS PER SECTION.
4. SHEATHING SHALL EXTEND FULL HEIGHT OF SHEARWALLS. STAGGER SHEATHING HORIZONTAL JOINTS SO THEY DO NOT FALL AT HORIZONTAL JOINT BETWEEN DOUBLE TOP PLATES. WHERE SHEATHING CAN NOT EXTEND FULL HEIGHT PROVIDE ADDITIONAL SHEATHING IN TRUSS SPACE PER SECTION.
5. WHEREVER THE SHEATHING OF A SHEAR WALL IS INTERRUPTED (I.E. BY AN INTERSECTING WALL) IN THE VERTICAL PLANE, THE SCHEDULED "ADD'L STUD AT END OF WALL" AND HOLDDOWN ANCHORS SHALL BE PROVIDED AT THE END OF THE SHEATHING (ONE EACH SIDE OF THE INTERRUPTION). THE QUANTITY OF SHEARWALL CALLOUTS ON THE PLANS MAY NOT ACCURATELY REFLECT THE NUMBER OF HOLDDOWNS REQUIRED BECAUSE OF THIS. THE CONTRACTOR MUST FIRST DETERMINE WHERE THE SHEARWALL SHEATHING WILL BE INTERRUPTED BEFORE DETERMINING THE NUMBER HOLDDOWNS REQUIRED.
6. WHERE BOLTS ARE CALLED OUT FOR HOLDDOWN ANCHORS, THE BOLTS SHALL BE CAST INTO THE SLAB WITH A MINIMUM EMBEDMENT OF 12 INCHES AT SLAB EDGES OR 7 INCHES AT INTERIOR CONDITIONS.
7. PROVIDE SOLID 2x BLOCKING AT ALL SHEATHING EDGES.
8. WHERE SHEARWALL SHEATHING OCCURS AT THE INSIDE OF A UNIT HOLD INTERSECTING INTERIOR PARTITION WALLS BACK SO THAT SHEARWALL SHEATHING IS UNINTERRUPTED.



**1 TYPICAL SHEAR WALL HOLD DOWN (AT FOUNDATION)**  
SCALE: 3/4" = 1'-0"



**2 TYPICAL SHEARWALL PANEL AT CHANGE IN STUD SIZE**  
SCALE: 3/4" = 1'-0"

## PERMIT REVIEW

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**LAKE COUNTY BUILDING DIVISION**  
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<b>SUMMER BAY APARTMENTS</b> <small>Lake County, FL</small>	Drawn: LEB/HT/CLH Checked: CLH/JMB Approved: JMB Date: 11/15/2013 Project #: 5169
<b>GENERAL STRUCTURAL NOTES</b>	<b>S1.04</b>

**ASD**  
ADVANCED STRUCTURAL DESIGN

To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010.  
1265 S. Seminole Blvd., Suite 1201, Winter Park, FL 32789  
Phone: 407-677-5836 • Fax: 407-677-5894  
Florida Engineering Business Number: 25893  
John M. Bailes, P.E. Florida No. 39923

Engineer of Record: John M. Bailes, P.E. FL No: 39923

**FASTENER SUBSTITUTIONS:**

ALL NAILS ARE COMMON NAILS, UNLESS NOTED OTHERWISE. THE FOLLOWING FASTENERS ARE ACCEPTABLE SUBSTITUTIONS. THE ALTERNATE FASTENERS SHALL BE SPACED AT THE SAME SPACING AS THE SCHEDULED FASTENERS.

SCHEDULED FASTENER

8d COMMON NAIL

6d COMMON NAIL

10d COMMON NAIL

ALTERNATE FASTENER

8d RING SHANK NAIL  
8d SCREW SHANK NAIL  
0.131 P-NAIL

#6x1 1/4" TYPE "S" OR "W"  
DRYWALL SCREWS

10d RING SHANK NAIL  
10d SCREW SHANK NAIL  
0.148 P-NAIL

**HEADER/BEAM SCHEDULE**

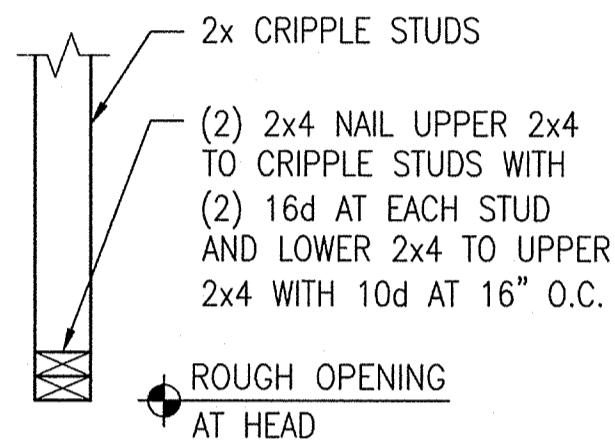
TYPE	HEADER/BEAM	REMARKS
H1	DOUBLE 2x8	-
H2	DOUBLE 2x10	-
H3	DOUBLE 2x12	-
H4	3 1/2" x 9 1/4" PSL	-
H5	3 1/2" x 11 7/8" PSL	-
H6	3 1/2" x 14" PSL	-
H7	3 1/2" x 18" PSL	-
H8	5 1/4" x 14" PSL	-

- PROVIDE WOOD HEADERS OVER ALL OPENINGS. IF NO HEADER IS SPECIFIED, PROVIDE H3 AT ALL EXTERIOR WALLS AND INTERIOR LOAD BEARING WALLS. SEE DETAIL 1/S1.04 FOR INTERIOR NON-LOAD BEARING WALLS.
- AT MULTIPLE 2x HEADER/BEAMS PROVIDE 1/2" PLYWOOD (OR O.S.B.) FLITCH PLATE BETWEEN PLIES.
- NAIL ALL MULTI-MEMBER HEADERS AND BEAMS TOGETHER WITH 16d NAILS AT 12" O.C. TOP AND BOTTOM, EACH SIDE, STAGGERED.
- PSL-INDICATES A PARALLEL STRAND LUMBER.
- IN LIEU OF PSL MATERIAL, LAMINATED VENEER LUMBER (LVL) MAY BE SUBSTITUTED WITH IDENTICAL DEPTHS AND EQUIVALENT COMPOSITE WIDTHS.

**COLUMN SCHEDULE FOR BEAMS**

BEAM TYPE	COLUMN TYPE	VERTICAL NAILING
H1	(1)-2xSTUD UP TO 4'-0" OPENING (2)-2xSTUDS FOR GREATER THAN 4'-0"	16d @ 16" O.C.
H2	(1)-2xSTUD UP TO 4'-0" OPENING (2)-2xSTUDS FOR GREATER THAN 4'-0"	16d @ 16" O.C.
H3	(1)-2xSTUD UP TO 4'-0" OPENING (2)-2xSTUDS FOR GREATER THAN 4'-0"	16d @ 16" O.C.
H4	(3)-2xSTUDS	16d @ 16" O.C.
H5	(3)-2xSTUDS	16d @ 16" O.C.
H6	(4)-2xSTUDS	16d @ 16" O.C.

- STUD PACK SIZES SHALL MATCH WALL FRAMING STUD SIZE.
- COLUMN SHALL BE CONNECTED AT EACH LEVEL WITH SIMPSON CS18x42 METAL STRAP AND AT FOUNDATION WITH SIMPSON RSP4 AT STUDS.
- PROVIDE 2x CRIPPLE STUDS TO MATCH STUD PACK IN FLOOR CAVITY.



PROVIDE ONE JACK STUD AND ONE FULL HEIGHT STUD AT EACH END.

**NON BEARING WALL**

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

**FOOTING SCHEDULE**

MARK	SIZE WIDTHxLENGTHxDEPTH	REINFORCING	
		BOTTOM	TOP
F-3.0	3'-0"x3'-0"x1'-2"	(4) #5 EA. WAY	
F-4.0	4'-0"x4'-0"x1'-2"	(5) #5 EA. WAY	
F-5.0	5'-0"x5'-0"x1'-2"	(6) #5 EA. WAY	
F-6.0	6'-0"x6'-0"x1'-2"	(7) #5 EA. WAY	

**FOOTING NOTE:**

EXCAVATIONS UNDER FOOTINGS TO INSTALL PIPING AND CONDUIT RUNS ARE PROHIBITED. ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL HAVE A PIPE SLEEVE. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL. UNDERMINING OF FOOTINGS WOULD REQUIRE THE CONTRACTOR TO RETAIN A LICENSED STRUCTURAL ENGINEER IN THE STATE OF FLORIDA WHO SHALL INVESTIGATE THE CONDITIONS AND DESIGN TEMPORARY SHORING AS REQUIRED BY THE FLORIDA BUILDING CODE.

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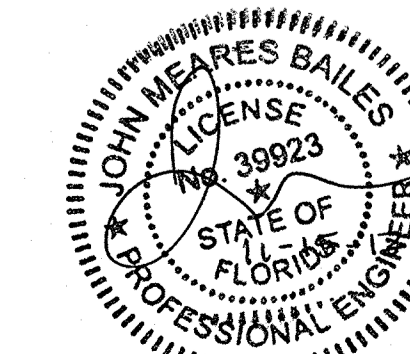
Lake County, FL

**GENERAL STRUCTURAL NOTES**

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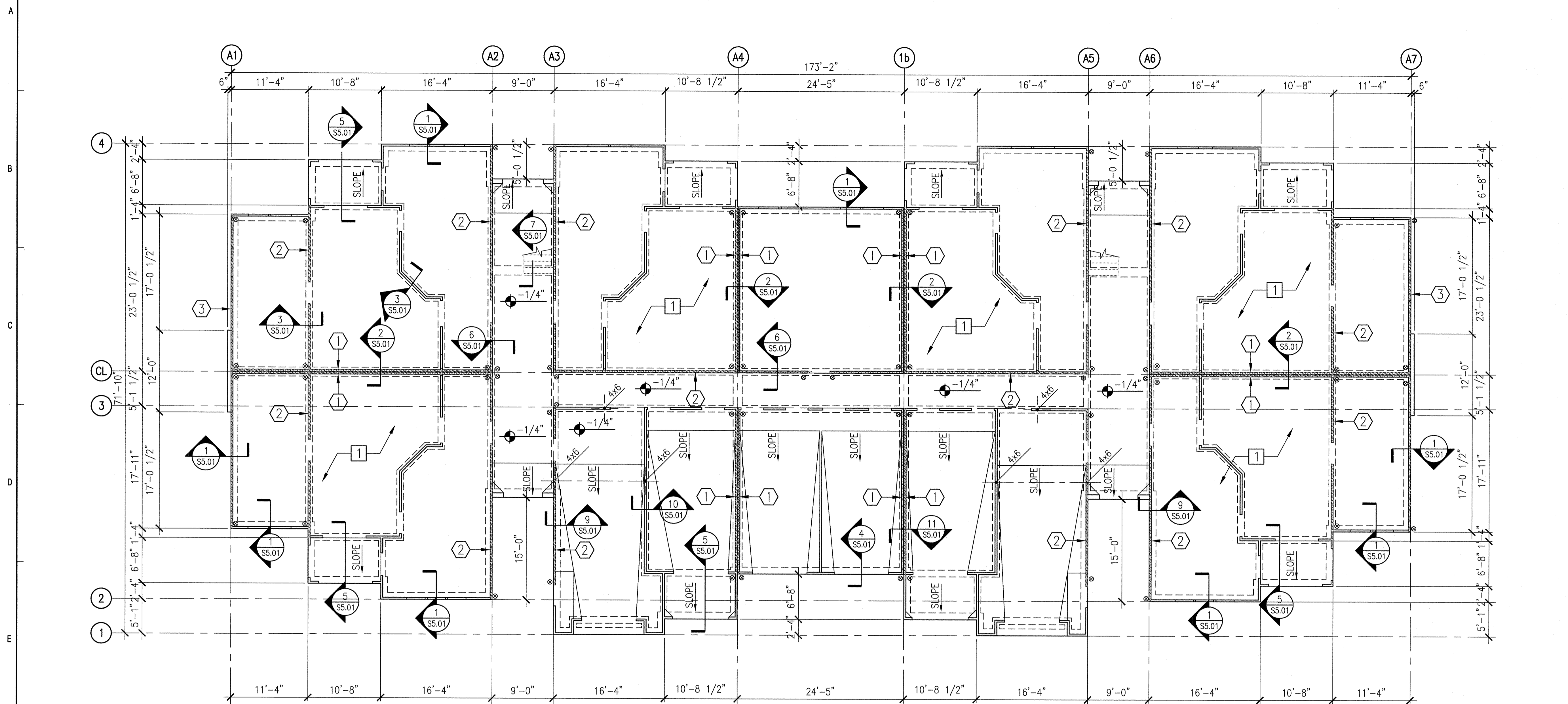
S1.05

Engineer of Record: John M. Bailes, P.E. FL No: 39923



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**1 BUILDING TYPE 1 - FOUNDATION PLAN**  
 S2.01 1/8"=1'-0" 0'-0" (REF.)  
 T/SLAB (TYP. U.N.O.)

**FOUNDATION PLAN NOTES:**

- 1 TYP. CONC. SLAB ON GRADE CONSTRUCTION:  
 4" (MIN.) THICK POST-TENSION FOUNDATION / SLAB ON GRADE (DESIGNED BY SPECIALTY ENGINEER) OVER CONT. 10 MIL VAPOR BARRIER (SEE ARCH. DWGS.) ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES & DEPRESSIONS W/ ARCH. DWGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH. &/OR CIVIL DWGS.)
- 2 REFER TO MECHANICAL, ELECTRICAL, & PLUMBING DRAWINGS FOR UNDERGROUND UTILITIES & SLAB PENETRATIONS.
- 3 INDICATES WOOD STUD SHEAR WALL TYPE, INDICATES HOLDOWN ANCHOR LOCATIONS. INDICATES EXTENT OF SHEAR WALL. SEE SHEAR WALL SCHEDULE FOR SHEAR WALL INFORMATION.
- 4 SEE ARCH. DWGS. FOR CONSTRUCTION INFORMATION OF INTERIOR NON-LOAD BEARING WALLS NOT SHOWN.
- 5 STAIR / LANDING:  
 (SEE ARCH. DWGS. FOR STAIR CONSTRUCTION INFORMATION & GEOMETRY). COORDINATE ALL STAIR SUPPORT LOCATIONS & ATTACHMENT W/ STAIR MANUFACTURER/SUPPLIERS APPROVED SHOP DWGS.

**PERMIT REVIEW**

- SHEET NOTES:**
- A SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.
  - B DO NOT SCALE DRAWINGS. SEE ARCH. DWGS. FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS W/ ARCH. DWGS. PRIOR TO START OF CONSTRUCTION. IF A DISCREPANCY SHOULD OCCUR, CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.

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**FUGLEBERG KOCH**  
 PLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
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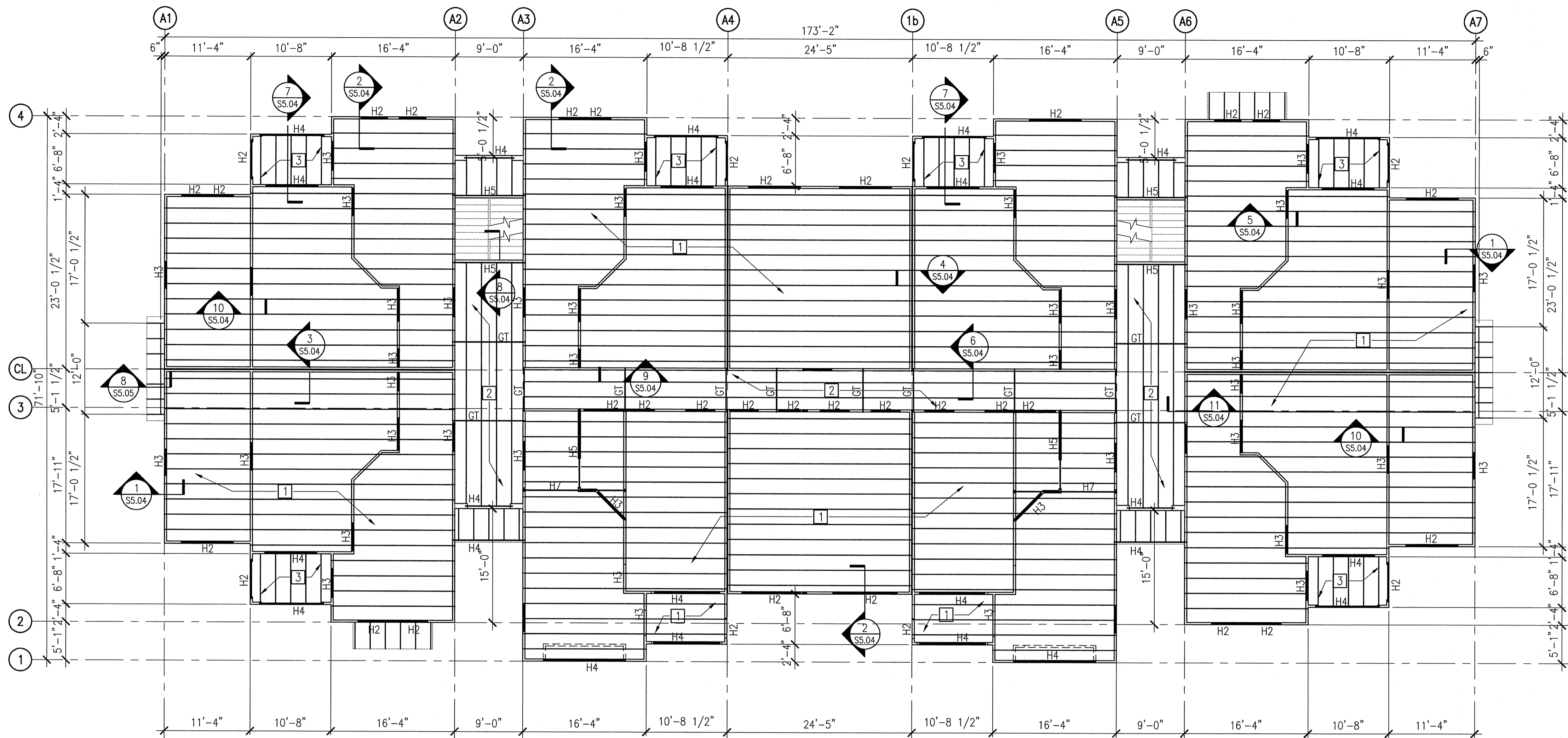
**BUILDING TYPE 1 FOUNDATION PLAN**

**S2.01**

**ASD**  
 ADVANCED STRUCTURAL DESIGN

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 1265 S. Semoran Blvd., Suite 1201, Winter Park, FL 32792  
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 John M. Bailes, P.E. Florida No: 39923

Engineer of Record: John M. Bailes, P.E. FL No: 39923



**1 BUILDING TYPE 1 - SECOND LEVEL FRAMING PLAN**  
 S2.02 1/8"=1'-0" (REF.)  
 2nd LEVEL (TYP. U.N.O.)

**FLOOR FRAMING PLAN NOTES:**

- 1** TYPICAL FLOOR CONSTRUCTION:  
 (1) LAYER OF 3/4" SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER 18" DEEP PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. (MAX.)
- 2** TYPICAL BREEZEWAY FLOOR CONSTRUCTION:  
 CONCRETE SLAB REINF. W/ POLYPROPYLENE FIBERS ON (1) LAYER OF 3/4" SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER 16" PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. (MAX.). COORDINATE ALL SLAB ELEVATIONS, SLOPES & DEPRESSIONS W/ ARCH. DWGS.
- 3** BALCONY FLOOR CONSTRUCTION:  
 CONCRETE SLAB REINF. W/ POLYPROPYLENE FIBERS ON (1) LAYER OF 3/4" SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER 12" TO 10" PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. (MAX.). SLOPE THE TOP CHORD OF THE BALCONY TRUSSES TO A TRUSS DEPTH OF 10" AT EXTERIOR EDGE. COORDINATE ALL SLAB ELEVATIONS, SLOPES & DEPRESSIONS W/ ARCH. DWGS. (TYP.)
- 4** SEE ARCH. DWGS. FOR CONSTRUCTION INFORMATION OF INTERIOR NON-LOAD BEARING PARTITION WALLS NOT SHOWN.
- 5** STAIR / LANDING:  
 (SEE ARCH. DWGS. FOR STAIR CONSTRUCTION INFORMATION & GEOMETRY). COORDINATE ALL STAIR SUPPORT LOCATIONS & ATTACHMENT W/ STAIR MANUFACTURER/SUPPLIERS APPROVED SHOP DWGS.
- 6** PROVIDE WOOD HEADERS OVER ALL OPENINGS. IF NO HEADER TYPE IS SPECIFIED, PROVIDE H2 AT INTERIOR LOAD BEARING WALLS AND H3 AT EXTERIOR LOAD BEARING WALLS. SEE HEADER / BEAM SCHEDULE & COLUMN SCHEDULE AT BEAM LOCATIONS.
- 7** TYPICAL ROOF CONSTRUCTION:  
 ROOFING SYSTEM (SEE ARCH. DWGS.) OVER 15/32" PLYWOOD SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER PRE-ENGINEERED WOOD TRUSSES SPACED @ 24" O.C. (MAX.). COORD. ALL TRUSS PROFILES & EXACT LAYOUT W/ ARCH. DWGS. & MFR./SUPPLIER APPROVED SHOP DWGS.
- 8** PROVIDE ADDITIONAL STUDS AT EACH END OF GIRDER TRUSSES TO FOUNDATION. REFER TO WOOD GENERAL NOTES FOR ADDITIONAL INFORMATION.

**PERMIT REVIEW**

- SHEET NOTES:**
- A** SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.
  - B** DO NOT SCALE DRAWINGS. SEE ARCH. DWGS. FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS W/ ARCH. DWGS. PRIOR TO START OF CONSTRUCTION. IF A DISCREPANCY SHOULD OCCUR, CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description
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**FUGLEBERG KOCH**  
 PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**

Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on file.

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**SUMMER BAY APARTMENTS**

Lake County, FL

**BUILDING TYPE 1 SECOND LEVEL FRAMING PLAN**

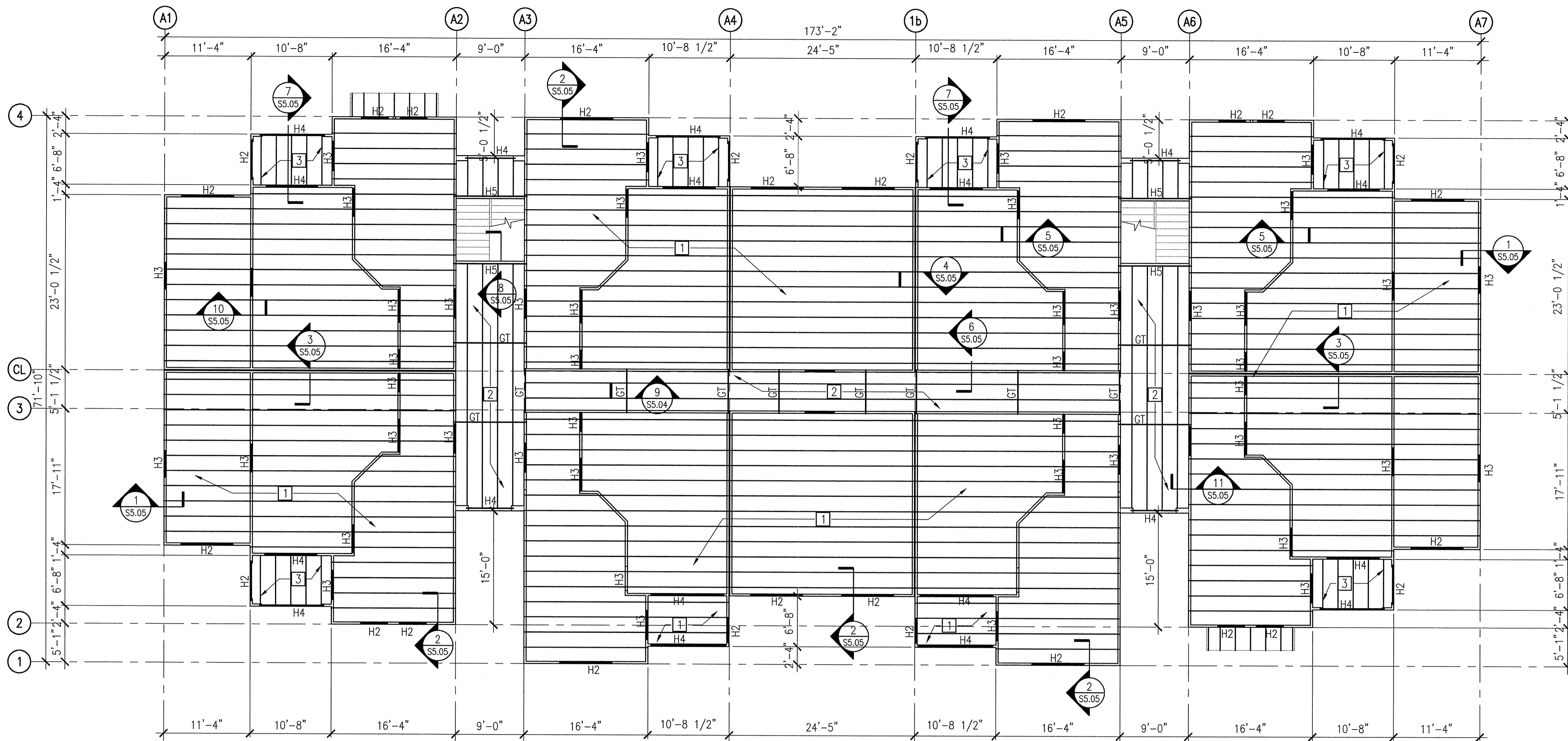
**S2.02**

Drawn: LEB/HT/CLH
Checked: CLH/JMB
Approved: JMB
Date: 11/15/2013
Project #: 5169

**ASD**  
 ADVANCED STRUCTURAL DESIGN

To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010.  
 1285 S. Semoran Blvd., Suite 1201, Winter Park, FL 32789  
 Phone: 407-677-5836 - Fax: 407-677-5894  
 Florida Engineering Business Number: 25893  
 John M. Bailes, P.E. Florida No. 39923

Engineer of Record: John M. Bailes, P.E. FL No: 39923



**1** BUILDING TYPE 1 - THIRD LEVEL FRAMING PLAN  
 S2.03 1/8"=1'-0" (REF.)  
 3rd LEVEL (TYP. U.N.O.)

**FLOOR FRAMING PLAN NOTES:**

- 1** TYPICAL FLOOR CONSTRUCTION:  
 (1) LAYER OF 3/4" SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER 18" DEEP PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. (MAX.)
- 2** TYPICAL BREEZEWAY FLOOR CONSTRUCTION:  
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- 5** STAIR / LANDING:  
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- 7** TYPICAL ROOF CONSTRUCTION:  
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- 8** PROVIDE ADDITIONAL STUDS AT EACH END OF GIRDER TRUSSES TO FOUNDATION. REFER TO WOOD GENERAL NOTES FOR ADDITIONAL INFORMATION.

**PERMIT REVIEW**

- SHEET NOTES:**
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**FUGLEBERG KOCH**  
PLLC

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www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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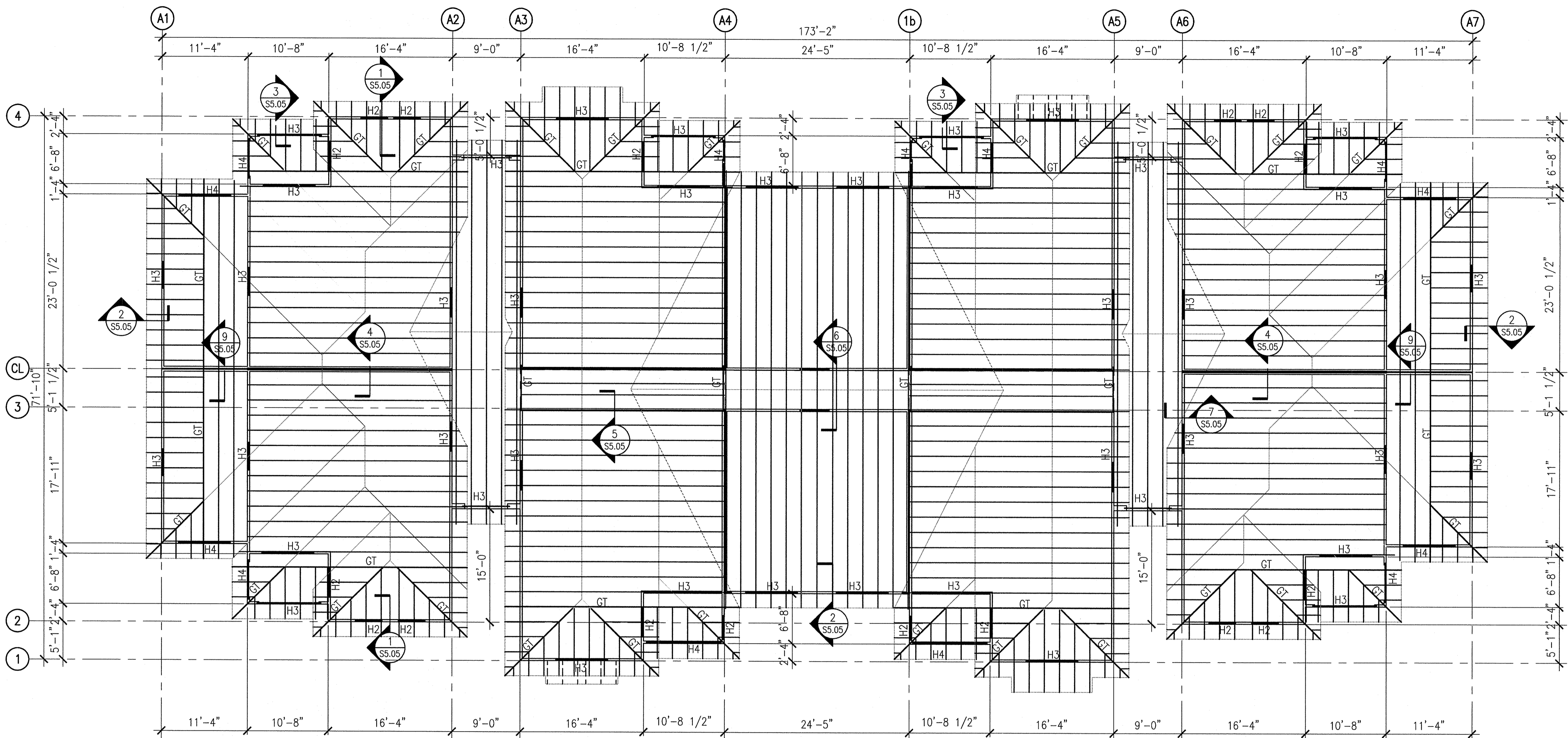
<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: LEB/HT/CLH Checked: CLH/JMB Approved: JMB Date: 11/15/2013 Project #: 5169
<b>BUILDING TYPE 1 THIRD LEVEL FRAMING PLAN</b>	<b>S2.03</b>

Engineer of Record: John M. Bailes, P.E. FL No: 39923

**ASD**  
ADVANCED STRUCTURAL DESIGN

To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010.  
 1265 S. Semoran Blvd., Suite 1201, Winter Park, FL 32792  
 Phone: 407-677-6838 - Fax: 407-677-6884  
 Florida Engineering Business Number: 25883  
 John M. Bailes, P.E. Florida No: 39923

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**1** BUILDING TYPE 1 - ROOF LEVEL FRAMING PLAN  
 S2.04 1/8"=1'-0"

**ROOF FRAMING PLAN NOTES:**

- 1** TYPICAL ROOF CONSTRUCTION:  
 ROOFING SYSTEM (SEE ARCH. DWGS.) OVER 15/32" PLYWOOD SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER PRE-ENGINEERED WOOD TRUSSES SPACED @ 24" O.C. (MAX.), COORD. ALL TRUSS PROFILES & EXACT LAYOUT W/ ARCH. DWGS. & MFR. / SUPPLIER APPROVED SHOP DWGS.
- 2** OVER BUILT FRAMING:  
 PRE-ENGINEERED WOOD TRUSSES OR 2x FRAMING SPACED @ 24" O.C. (MAX.) COORD. EXACT TRUSS LAYOUT W/ MFR. / SUPPLIER APPROVED SHOP DWGS.
- 3** PROVIDE WOOD HEADERS OVER ALL OPENINGS. IF NO HEADER TYPE IS SPECIFIED, PROVIDE H2 AT INTERIOR LOAD BEARING WALLS AND H3 AT EXTERIOR LOAD BEARING WALLS. SEE SHEET S1.05 FOR HEADER BEAM SCHEDULE AND COLUMN SCHEDULE AT BEAM LOCATIONS.

**PERMIT REVIEW**

- SHEET NOTES:**
- A** SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.
  - B** DO NOT SCALE DRAWINGS. SEE ARCH. DWGS. FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS W/ ARCH. DWGS. PRIOR TO START OF CONSTRUCTION. IF A DISCREPANCY SHOULD OCCUR, CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.

**ISSUE HISTORY**

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**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
P.L.L.C.

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn: LEB/HT/CLH	Checked: CLH/JMB
Approved: JMB	Date: 11/15/2013
Project #: 5169	

**BUILDING TYPE 1 ROOF LEVEL FRAMING PLAN**

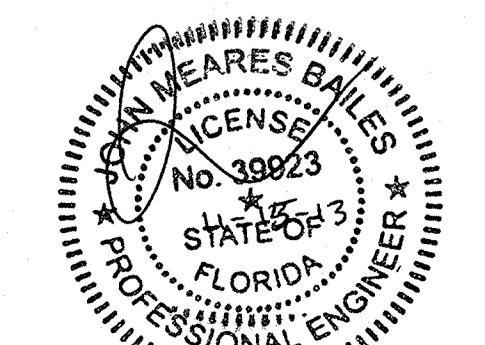
	<b>S2.04</b>
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Engineer of Record: John M. Bailes, P.E. FL No: 39923

ASD

ADVANCED STRUCTURAL DESIGN

To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010.  
 1265 S. Semoran Blvd., Suite 1201, Winter Park, FL 32789  
 Phone: 407-677-5836 - Fax: 407-677-5894  
 Florida Engineering Business Number: 25893  
 John M. Bailes, P.E. Florida No: 39923



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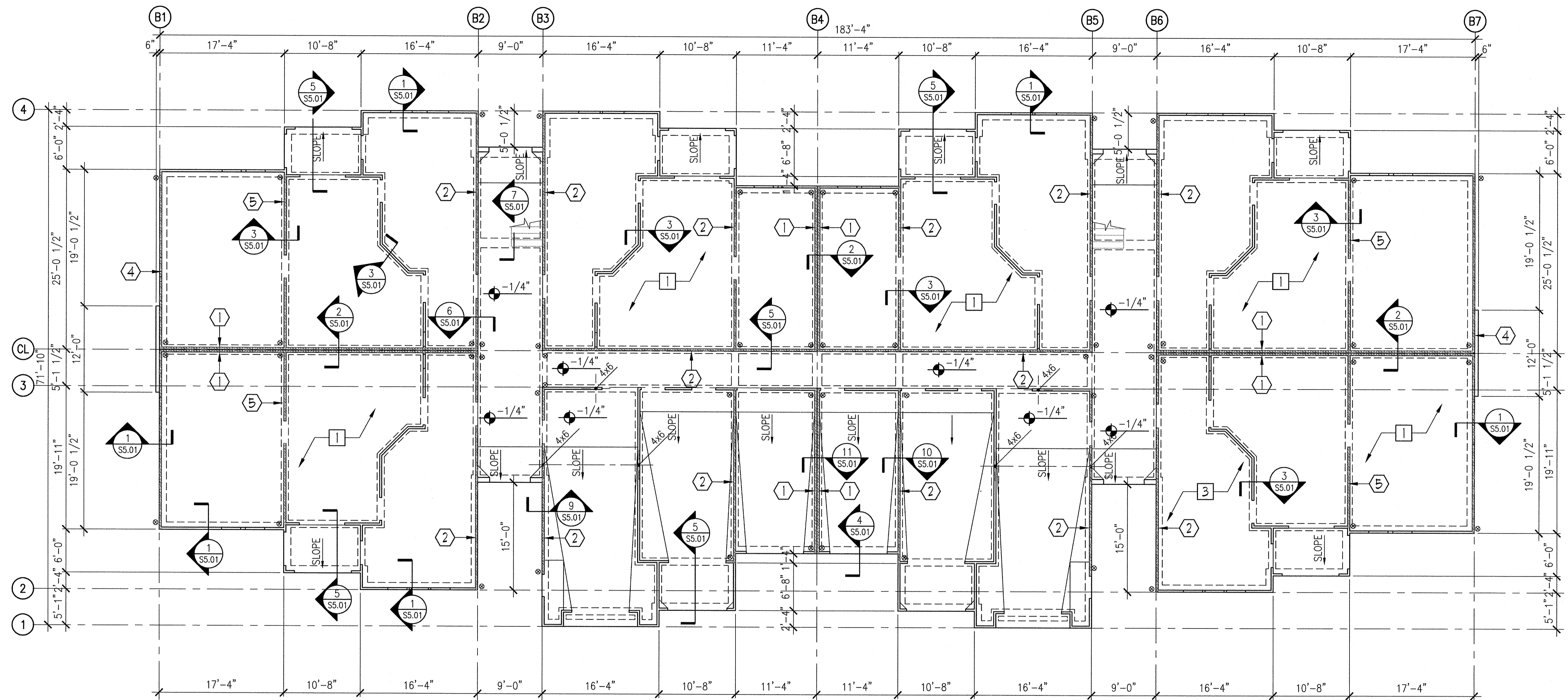
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**ISSUE HISTORY**

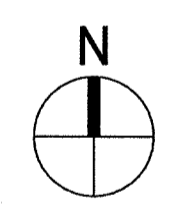
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description



**1 BUILDING TYPE 2 - FOUNDATION PLAN**  
 S2.05 1/8"=1'-0" 0'-0" (REF.)  
 T/SLAB (TYP. U.N.O.)



**FOUNDATION PLAN NOTES:**

- [1] TYP. CONC. SLAB ON GRADE CONSTRUCTION: 4" (MIN.) THICK POST-TENSION FOUNDATION / SLAB ON GRADE (DESIGNED BY SPECIALTY ENGINEER) OVER CONT. 10 MIL VAPOR BARRIER (SEE ARCH. DWGS.) ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES & DEPRESSIONS W/ ARCH. DWGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH. &/OR CIVIL DWGS.)
- [2] REFER TO MECHANICAL, ELECTRICAL, & PLUMBING DRAWINGS FOR UNDERGROUND UTILITIES & SLAB PENETRATIONS.
- [3] INDICATES WOOD STUD SHEAR WALL TYPE, INDICATES HOLDOWN ANCHOR LOCATIONS. INDICATES EXTENT OF SHEAR WALL. SEE SHEAR WALL SCHEDULE FOR SHEAR WALL INFORMATION.
- [4] SEE ARCH. DWGS. FOR CONSTRUCTION INFORMATION OF INTERIOR NON-LOAD BEARING WALLS NOT SHOWN.
- [5] STAIR / LANDING: (SEE ARCH. DWGS. FOR STAIR CONSTRUCTION INFORMATION & GEOMETRY). COORDINATE ALL STAIR SUPPORT LOCATIONS & ATTACHMENT W/ STAIR MANUFACTURER/SUPPLIERS APPROVED SHOP DWGS.



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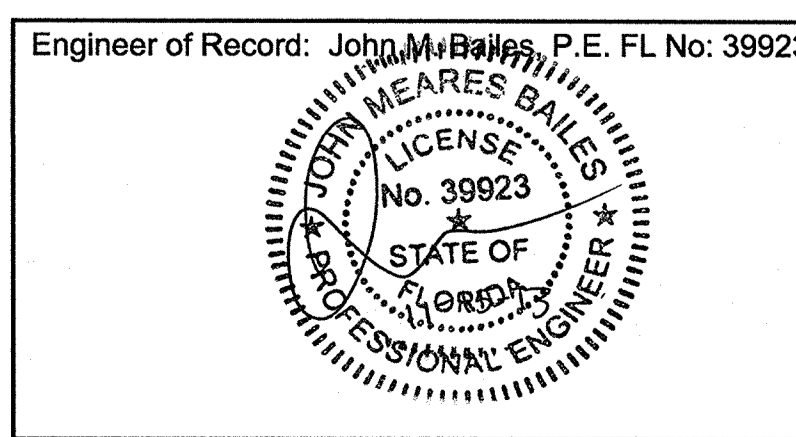
**LAKE COUNTY BUILDING DIVISION**  
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RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Date: 11/15/2013  
 Project #: 5169

**BUILDING TYPE 2 FOUNDATION PLAN**  
 S2.05

**ASD**  
 ADVANCED STRUCTURAL DESIGN  
 To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010.  
 1285 S. Semoran Blvd., Suite 1201, Winter Park, FL 32789  
 Phone: 407-677-5836 - Fax: 407-677-5894  
 Florida Engineering Business Number: 256983  
 John M. Bailes, P.E. Florida No. 39923



**SHEET NOTES:**

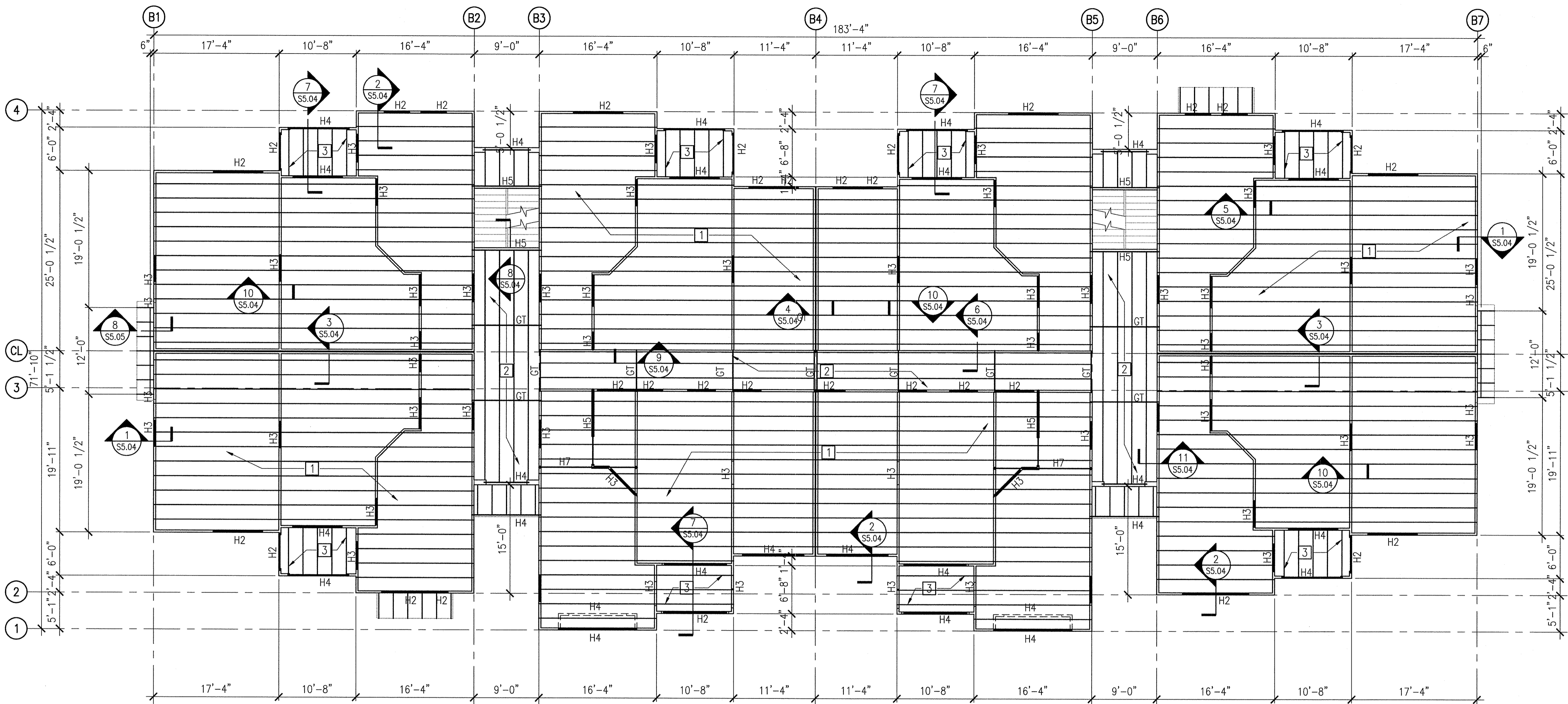
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**1 BUILDING TYPE 2 - SECOND LEVEL FRAMING PLAN**  
 S2.06 1/8"=1'-0" (REF.)  
 2nd LEVEL (TYP. U.N.O.)

**FLOOR FRAMING PLAN NOTES:**

- [1]** TYPICAL FLOOR CONSTRUCTION:  
 (1) LAYER OF 3/4" SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER 18" DEEP PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. (MAX.)
- [2]** TYPICAL BREEZEWAY FLOOR CONSTRUCTION:  
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**FUGLEBERG KOCH**  
 PLLC  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

LAKE COUNTY BUILDING DIVISION  
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**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Drawn: LEB/HT/CLH  
 Checked: CLH/JMB  
 Approved: JMB  
 Date: 11/15/2013  
 Project #: 5169

**BUILDING TYPE 2 SECOND LEVEL FRAMING PLAN**  
 S2.06

Engineer of Record: John M. Bailes, P.E. FL No: 39923  
  
**ASD**  
 ADVANCED STRUCTURAL DESIGN  
 To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010.  
 1295 S. Semoran Blvd, Suite 1201, Winter Park, FL 32789  
 Phone: 407-677-8836 - Fax: 407-677-8894  
 Florida Engineering Business Number: 26893  
 John M. Bailes, P.E. Florida No: 39923

**SHEET NOTES:**

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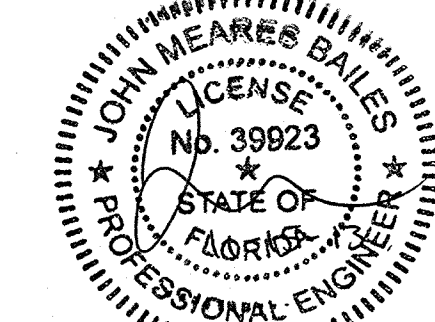
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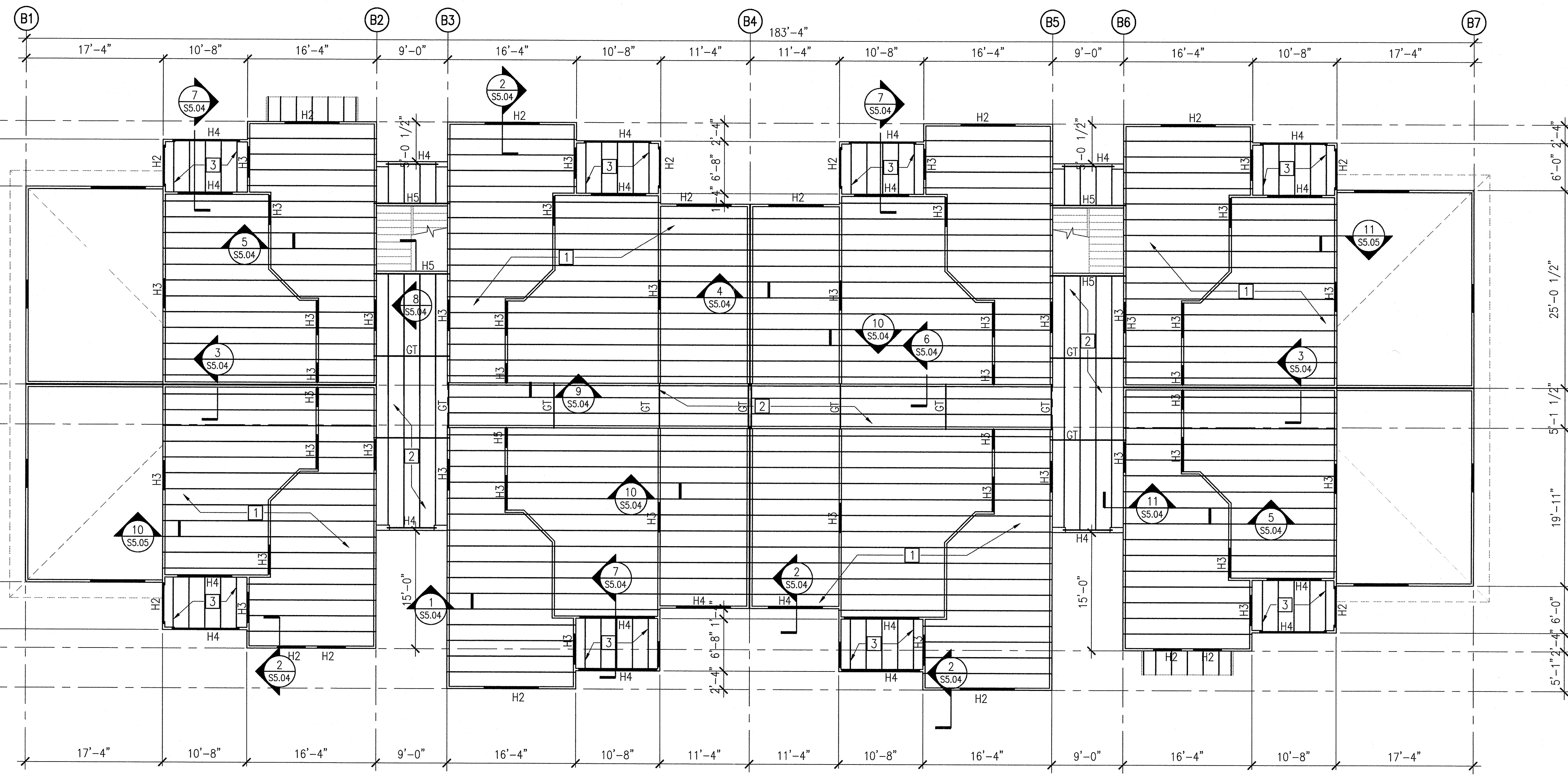
**SUMMER BAY APARTMENTS**  
Lake County, FL

**BUILDING TYPE 2 THIRD LEVEL FRAMING PLAN**

Engineer of Record: John M. Bailes, P.E. FL No: 39923



**ASD**  
ADVANCED STRUCTURAL DESIGN  
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Florida Engineering Business Number: 25893  
John M. Bailes, P.E. Florida No: 39923



**1 BUILDING TYPE 2 - THIRD LEVEL FRAMING PLAN**  
S2.07 1/8"=1'-0" (REF.)  
3rd LEVEL (TYP. U.N.O.)

**FLOOR FRAMING PLAN NOTES:**

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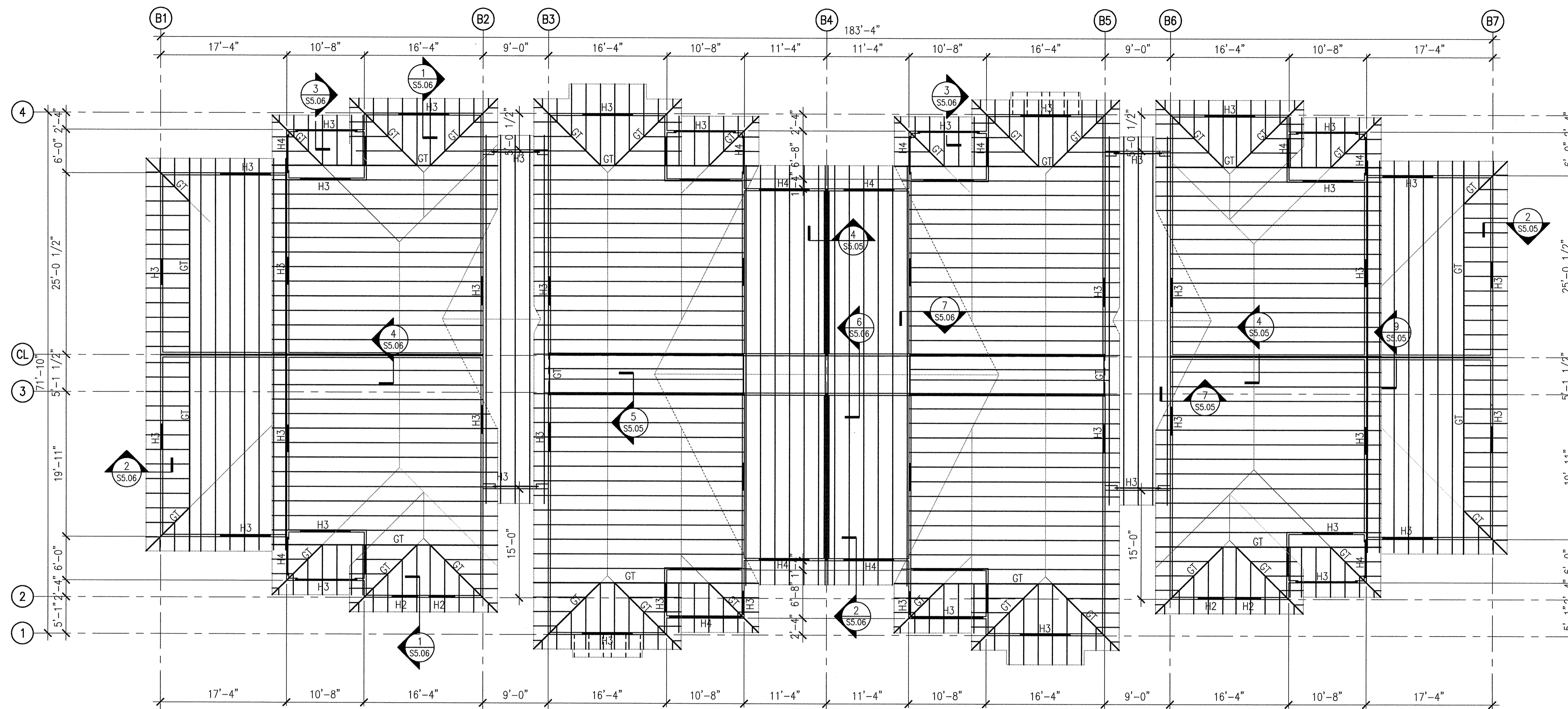
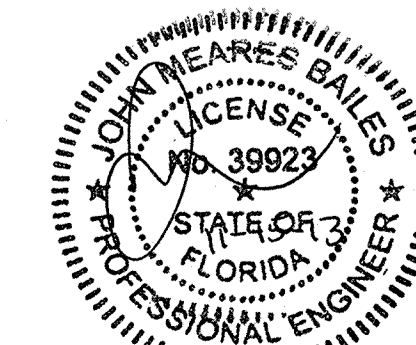
**LAKE COUNTY BUILDING DEPARTMENT**  
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RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Drawn: LEB/HT/CLH  
 Checked: CLH/JMB  
 Approved: JMB  
 Date: 11/15/2013  
 Project #: 5169

**BUILDING TYPE 2 ROOF LEVEL FRAMING PLAN** S2.08

Engineer of Record: John M. Balles, P.E. FL No: 39923



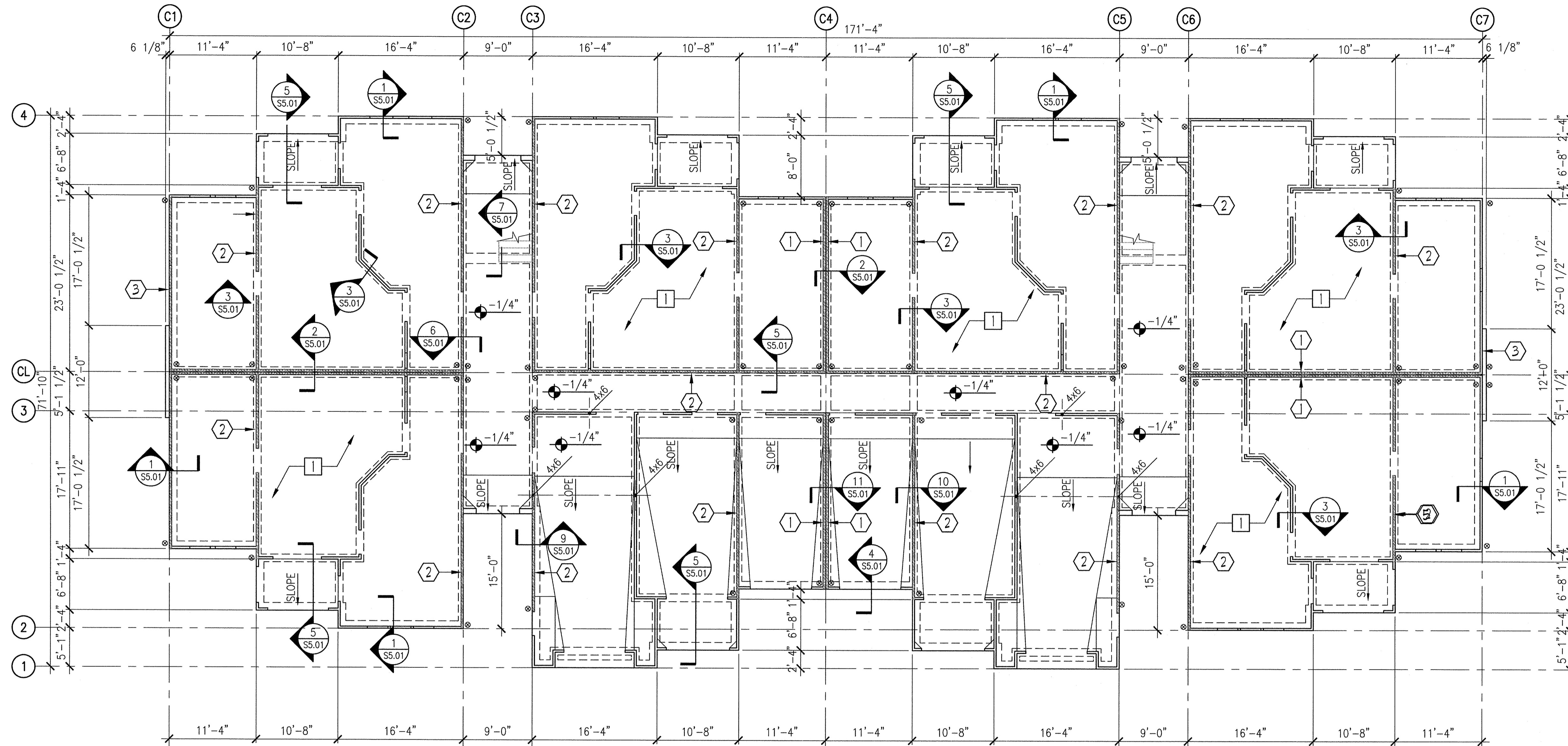
**1 BUILDING TYPE 2 - ROOF LEVEL FRAMING PLAN**  
 S2.08 1/8"=1'-0"

**ROOF FRAMING PLAN NOTES:**

- [1]** TYPICAL ROOF CONSTRUCTION: ROOFING SYSTEM (SEE ARCH. DWGS.) OVER 15/32" PLYWOOD SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER PRE-ENGINEERED WOOD TRUSSES SPACED @ 24" O.C. (MAX.), COORD. ALL TRUSS PROFILES & EXACT LAYOUT W/ ARCH. DWGS. & MFR. / SUPPLIER APPROVED SHOP DWGS.
- [2]** OVER BUILT FRAMING: PRE-ENGINEERED WOOD TRUSSES OR 2x FRAMING SPACED @ 24" O.C. (MAX.) COORD. EXACT TRUSS LAYOUT W/ MFR. / SUPPLIER APPROVED SHOP DWGS.
- [3]** PROVIDE WOOD HEADERS OVER ALL OPENINGS. IF NO HEADER TYPE IS SPECIFIED, PROVIDE H2 AT INTERIOR LOAD BEARING WALLS AND H3 AT EXTERIOR LOAD BEARING WALLS. SEE SHEET S1.05 FOR HEADER BEAM SCHEDULE AND COLUMN SCHEDULE AT BEAM LOCATIONS.

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**1 BUILDING TYPE 3 - FOUNDATION PLAN**  
 S2.09 1/8"=1'-0" 0'-0" (REF.)  
 T/SLAB (TYP. U.N.O.)



**FOUNDATION PLAN NOTES:**

- 1 TYP. CONC. SLAB ON GRADE CONSTRUCTION: 4" (MIN.) THICK POST-TENSION FOUNDATION / SLAB ON GRADE (DESIGNED BY SPECIALTY ENGINEER) OVER CONT. 10 MIL VAPOR BARRIER (SEE ARCH. DWGS.) ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES & DEPRESSIONS W/ ARCH. DWGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH. &/OR CIVIL DWGS.)
- 2 REFER TO MECHANICAL, ELECTRICAL, & PLUMBING DRAWINGS FOR UNDERGROUND UTILITIES & SLAB PENETRATIONS.
- 3 INDICATES WOOD STUD SHEAR WALL TYPE, INDICATES HOLDOWN ANCHOR LOCATIONS. INDICATES EXTENT OF SHEAR WALL. SEE SHEAR WALL SCHEDULE FOR SHEAR WALL INFORMATION.
- 4 SEE ARCH. DWGS. FOR CONSTRUCTION INFORMATION OF INTERIOR NON-LOAD BEARING WALLS NOT SHOWN.
- 5 STAIR / LANDING: (SEE ARCH. DWGS. FOR STAIR CONSTRUCTION INFORMATION & GEOMETRY). COORDINATE ALL STAIR SUPPORT LOCATIONS & ATTACHMENT W/ STAIR MANUFACTURER/SUPPLIERS APPROVED SHOP DWGS.

**PERMIT REVIEW**

SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.

DO NOT SCALE DRAWINGS. SEE ARCH. DWGS. FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS W/ ARCH. DWGS. PRIOR TO START OF CONSTRUCTION. IF A DISCREPANCY SHOULD OCCUR, CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.

**SHEET NOTES:**

- A SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.
- B DO NOT SCALE DRAWINGS. SEE ARCH. DWGS. FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS W/ ARCH. DWGS. PRIOR TO START OF CONSTRUCTION. IF A DISCREPANCY SHOULD OCCUR, CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
 PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
 Lake County, FL

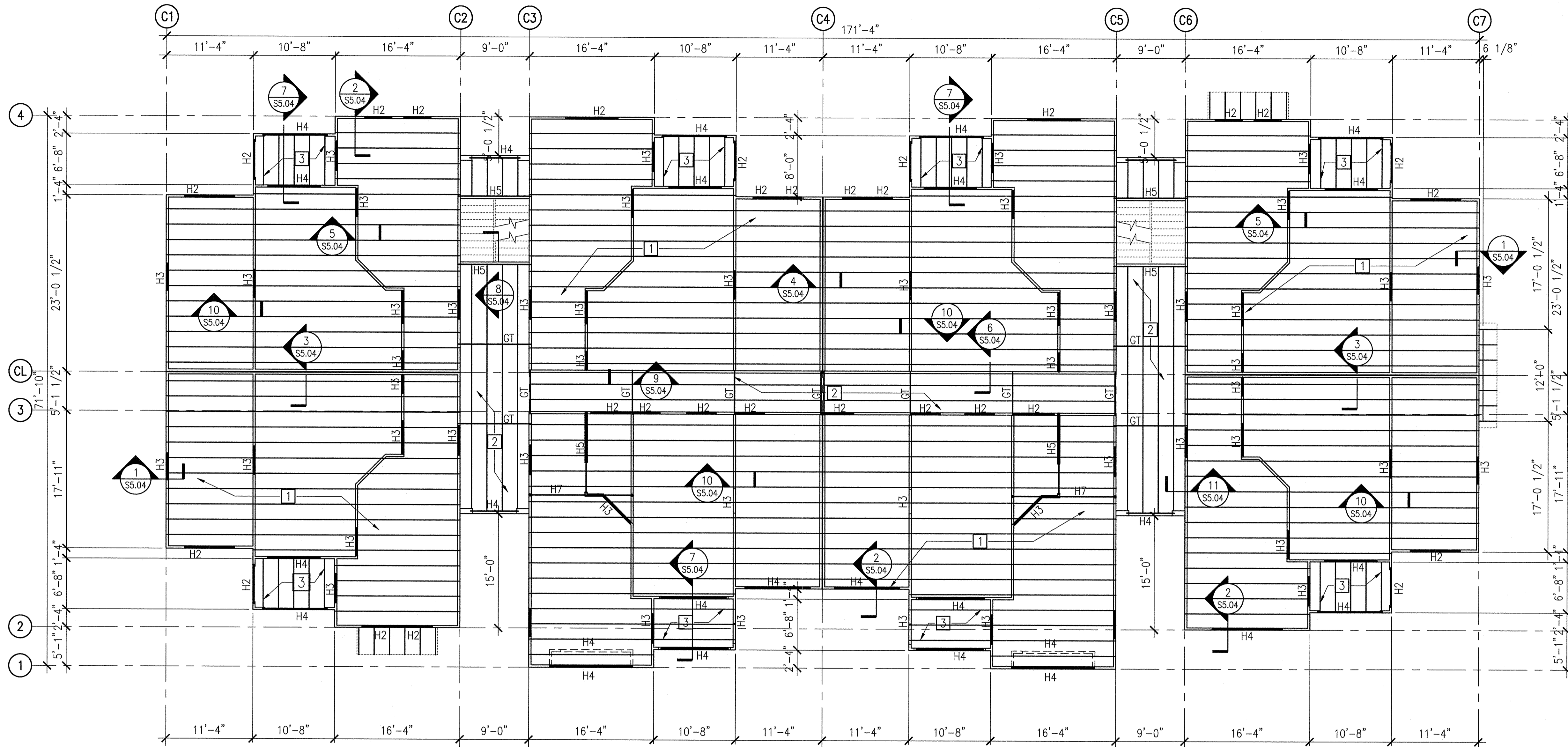
Drawn: LEB/HT/CLH  
 Checked: CLH/JMB  
 Approved: JMB  
 Date: 11/15/2013  
 Project #: 5169

**BUILDING TYPE 3 FOUNDATION PLAN** S2.09

**ASD**  
 ADVANCED STRUCTURAL DESIGN

To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010.  
 1265 S. Semoran Blvd, Suite 1201, Winter Park, FL 32792  
 Phone: 407-677-5838 - Fax: 407-677-5894  
 Florida Engineering Business Number: 25893  
 John M. Bailes, P.E. Florida No: 39923

Engineer of Record: John M. Bailes, P.E. FL No: 39923



**1 BUILDING TYPE 3 - SECOND LEVEL FRAMING PLAN**  
 S2.10 1/8"=1'-0" (REF.)  
 2nd LEVEL (TYP. U.N.O.)

**FLOOR FRAMING PLAN NOTES:**

- 1** TYPICAL FLOOR CONSTRUCTION:  
 (1) LAYER OF 3/4" SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER 18" DEEP PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. (MAX.)
- 2** TYPICAL BREEZEWAY FLOOR CONSTRUCTION:  
 CONCRETE SLAB REINF. W/ POLYPROPYLENE FIBERS ON (1) LAYER OF 3/4" SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER 16" PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. (MAX.). COORDINATE ALL SLAB ELEVATIONS, SLOPES & DEPRESSIONS W/ ARCH. DWGS.
- 3** BALCONY FLOOR CONSTRUCTION:  
 CONCRETE SLAB REINF. W/ POLYPROPYLENE FIBERS ON (1) LAYER OF 3/4" SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER 12" TO 10" PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. (MAX.). SLOPE THE TOP CHORD OF THE BALCONY TRUSSES TO A TRUSS DEPTH OF 10" AT EXTERIOR EDGE. COORDINATE ALL SLAB ELEVATIONS, SLOPES & DEPRESSIONS W/ ARCH. DWGS. (TYP.)
- 4** SEE ARCH. DWGS. FOR CONSTRUCTION INFORMATION OF INTERIOR NON-LOAD BEARING PARTITION WALLS NOT SHOWN.
- 5** STAIR / LANDING:  
 (SEE ARCH. DWGS. FOR STAIR CONSTRUCTION INFORMATION & GEOMETRY). COORDINATE ALL STAIR SUPPORT LOCATIONS & ATTACHMENT W/ STAIR MANUFACTURER/SUPPLIERS APPROVED SHOP DWGS.
- 6** PROVIDE WOOD HEADERS OVER ALL OPENINGS. IF NO HEADER TYPE IS SPECIFIED, PROVIDE H2 AT INTERIOR LOAD BEARING WALLS AND H3 AT EXTERIOR LOAD BEARING WALLS. SEE HEADER / BEAM SCHEDULE & COLUMN SCHEDULE AT BEAM LOCATIONS.
- 7** TYPICAL ROOF CONSTRUCTION:  
 ROOFING SYSTEM (SEE ARCH. DWGS.) OVER 15/32" PLYWOOD SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER PRE-ENGINEERED WOOD TRUSSES SPACED @ 24" O.C. (MAX.), COORD. ALL TRUSS PROFILES & EXACT LAYOUT W/ ARCH. DWGS. & MFR./SUPPLIER APPROVED SHOP DWGS.
- 8** PROVIDE ADDITIONAL STUDS AT EACH END OF GIRDER TRUSSES TO FOUNDATION. REFER TO WOOD GENERAL NOTES FOR ADDITIONAL INFORMATION.

**PERMIT REVIEW**

---

**SHEET NOTES:**

- A** SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.
- B** DO NOT SCALE DRAWINGS. SEE ARCH. DWGS. FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS W/ ARCH. DWGS. PRIOR TO START OF CONSTRUCTION. IF A DISCREPANCY SHOULD OCCUR, CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.

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No.	Date	Description

**FUGLEBERG KOCH**  
 P.L.L.C.

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 www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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 Lake County, FL

Drawn: LEB/HT/CLH  
 Checked: CLH/JMB  
 Approval: JMB  
 Date: 11/15/2013  
 Project #: 5169

**BUILDING TYPE 3 SECOND LEVEL FRAMING PLAN**

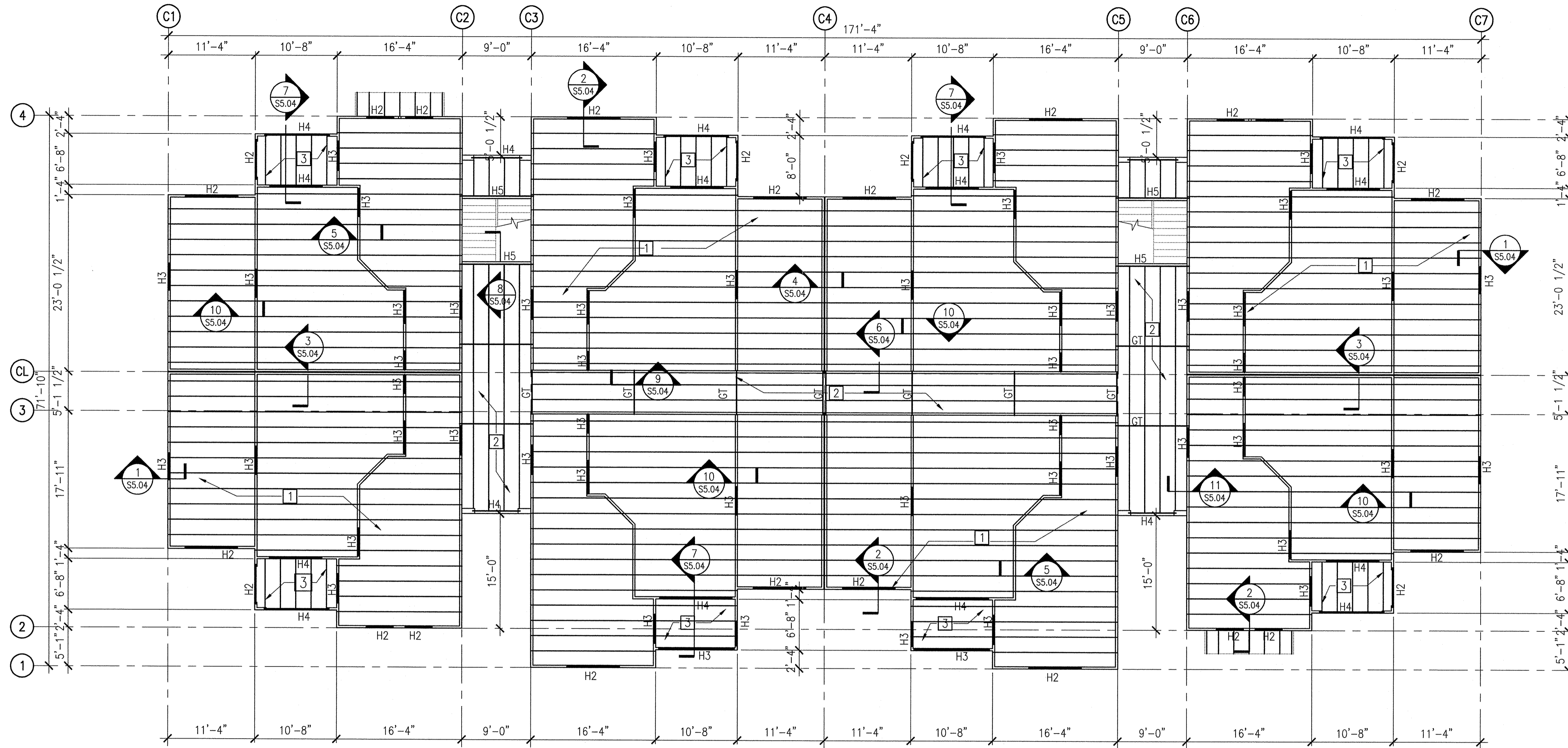
**S2.10**

Engineer of Record: John M. Bailes, P.E. FL No. 39923

**ASD**  
 ADVANCED STRUCTURAL DESIGN

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 1265 S. Semoran Blvd., Suite 1201, Winter Park, FL 32789  
 Phone: 407-677-5836 - Fax: 407-677-5894  
 Florida Engineering Business Number: 25893  
 John M. Bailes, P.E. Florida No. 39923

FL07ED



**1 BUILDING TYPE 3 - THIRD LEVEL FRAMING PLAN**  
 S2.11 1/8"=1'-0" (REF.)  
 3rd LEVEL (TYP. U.N.O.)

**FLOOR FRAMING PLAN NOTES:**

- 1** TYPICAL FLOOR CONSTRUCTION:  
 (1) LAYER OF 3/4" SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER 18" DEEP PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. (MAX.)
- 2** TYPICAL BREEZEWAY FLOOR CONSTRUCTION:  
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- 3** BALCONY FLOOR CONSTRUCTION:  
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- 4** SEE ARCH. DWGS. FOR CONSTRUCTION INFORMATION OF INTERIOR NON-LOAD BEARING PARTITION WALLS NOT SHOWN.
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- 8** PROVIDE ADDITIONAL STUDS AT EACH END OF GIRDER TRUSSES TO FOUNDATION. REFER TO WOOD GENERAL NOTES FOR ADDITIONAL INFORMATION.

**PERMIT REVIEW**

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**SHEET NOTES:**

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www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn: LEB/HT/CLH  
 Checked: CLH/JMB  
 Approved: JMB  
 Date: 11/15/2013  
 Project #: 5169

**BUILDING TYPE 3  
THIRD LEVEL  
FRAMING PLAN**

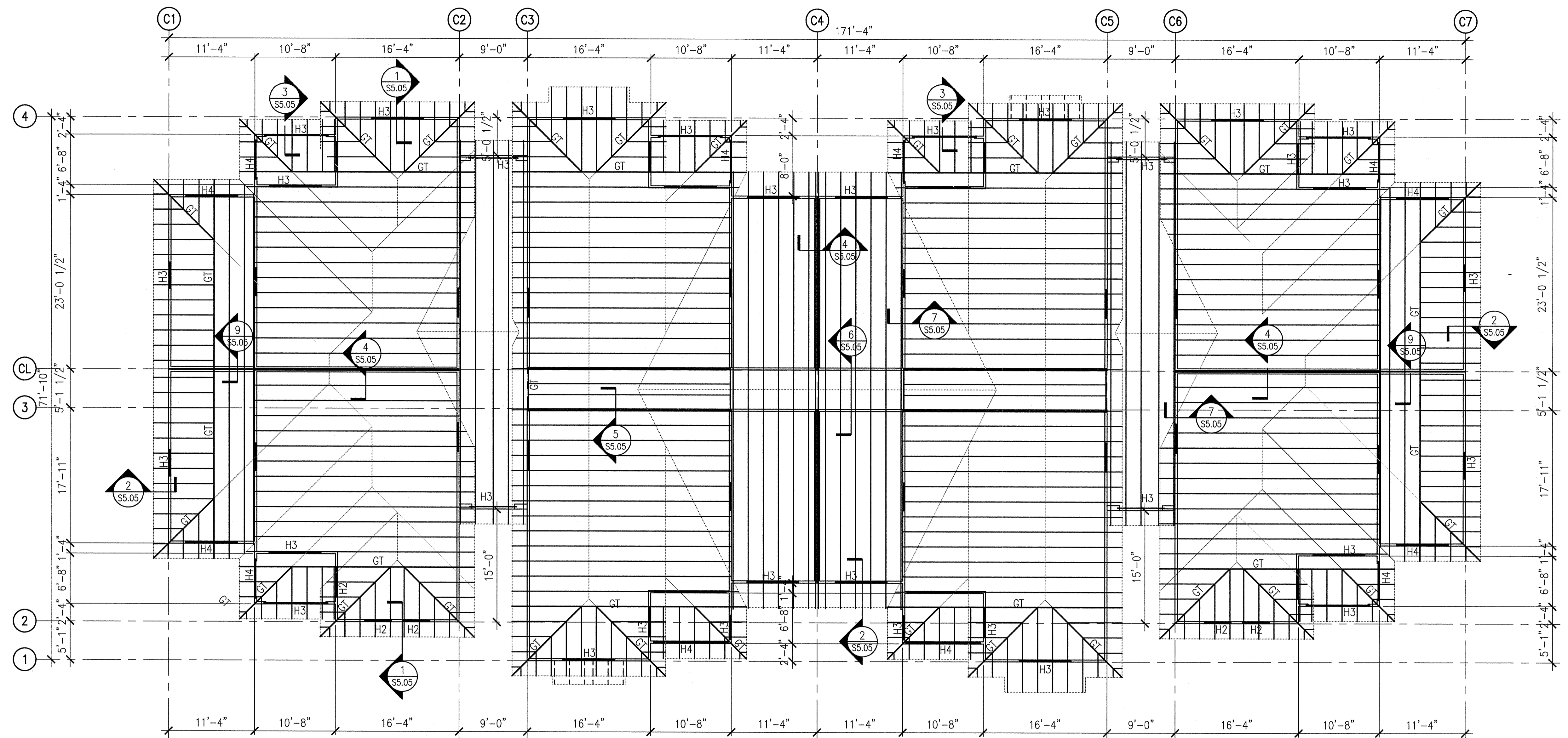
**S2.11**

Engineer of Record: John M. Bailes, P.E. FL No: 39923

**ASD**  
ADVANCED STRUCTURAL DESIGN

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 1285 S. Seaman Blvd., Suite 1201, Winter Park, FL 32789  
 Phone: 407-677-5836 - Fax: 407-677-5894  
 Florida Engineering Business Number: 25893  
 John M. Bailes, P.E. Florida No: 39923

PLOTTED:



**1** BUILDING TYPE 3 - ROOF LEVEL FRAMING PLAN  
S2.12 1/8"=1'-0"

**ROOF FRAMING PLAN NOTES:**

- 1** TYPICAL ROOF CONSTRUCTION:  
ROOFING SYSTEM (SEE ARCH. DWGS.) OVER 15/32" PLYWOOD SHEATHING (SEE GENERAL NOTES FOR ATTACHMENT) OVER PRE-ENGINEERED WOOD TRUSSES SPACED @ 24" O.C. (MAX.), COORD. ALL TRUSS PROFILES & EXACT LAYOUT W/ ARCH. DWGS. & MFR. / SUPPLIER APPROVED SHOP DWGS.
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**PERMIT REVIEW**

- SHEET NOTES:**
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  - B** DO NOT SCALE DRAWINGS. SEE ARCH. DWGS. FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS W/ ARCH. DWGS. PRIOR TO START OF CONSTRUCTION. IF A DISCREPANCY SHOULD OCCUR, CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.

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www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn: LEB/HT/CLH	Checked: CLH/JMB
Approved: JMB	Date: 11/15/2013
Project #: 5169	

**BUILDING TYPE 3 ROOF LEVEL FRAMING PLAN**

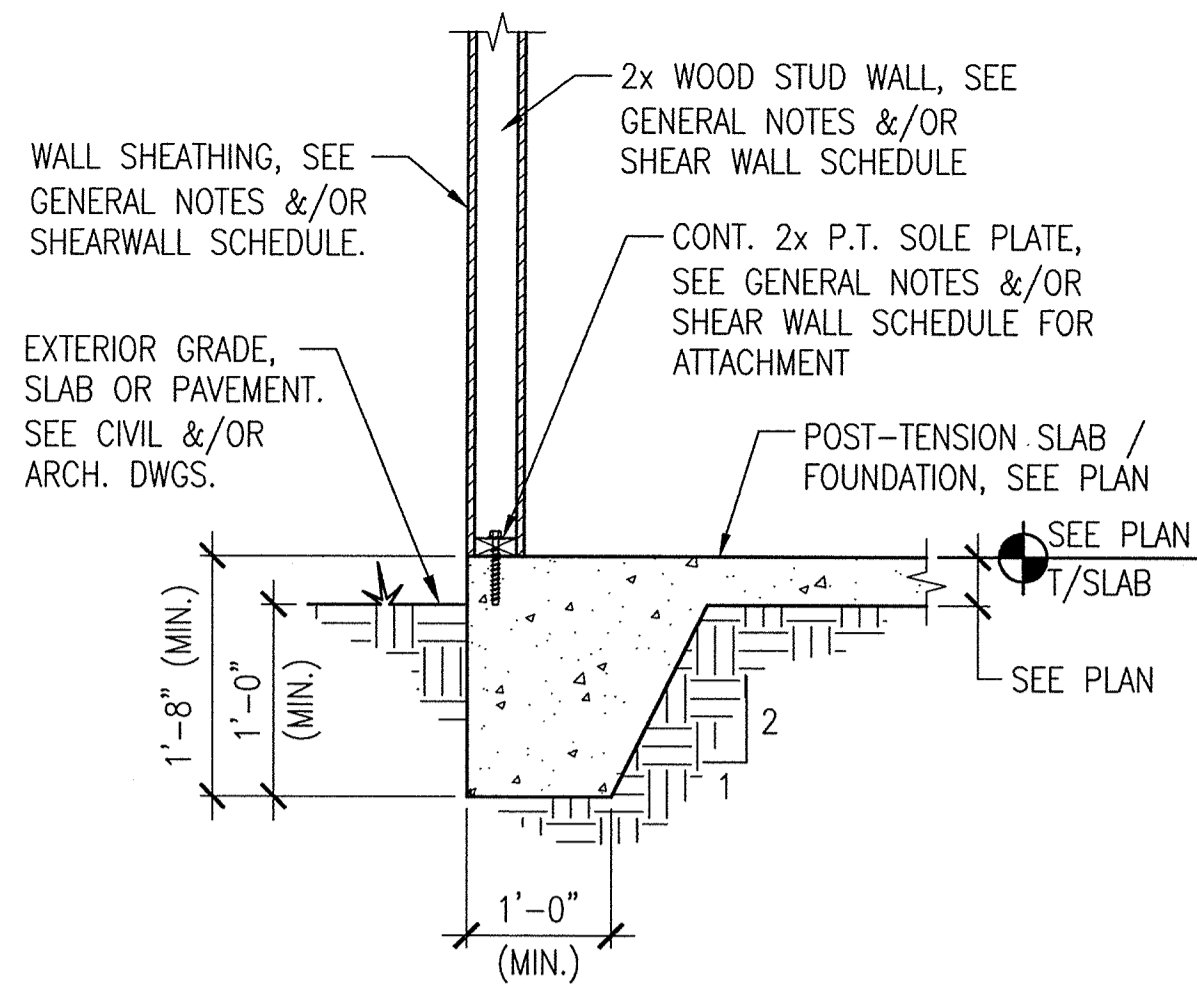
**S2.12**

Engineer of Record: John M. Bailes, P.E. FL No: 39923

**ASD**  
ADVANCED STRUCTURAL DESIGN

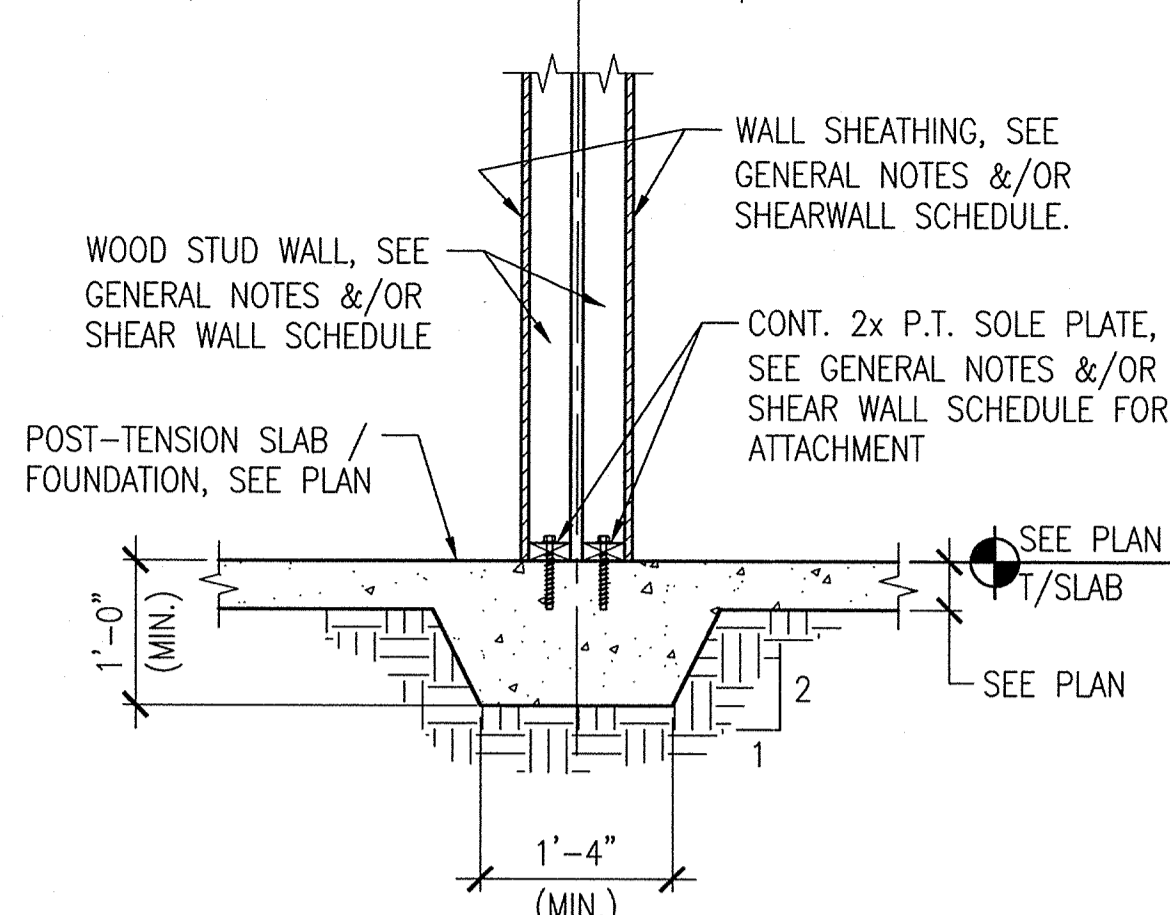
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1265 S. Semoran Blvd., Suite 1201, Winter Park, FL 32782  
Phone: 407-677-5836 - Fax: 407-677-5894  
Florida Engineering Business Number: 25893  
John M. Bailes, P.E. Florida No: 39923

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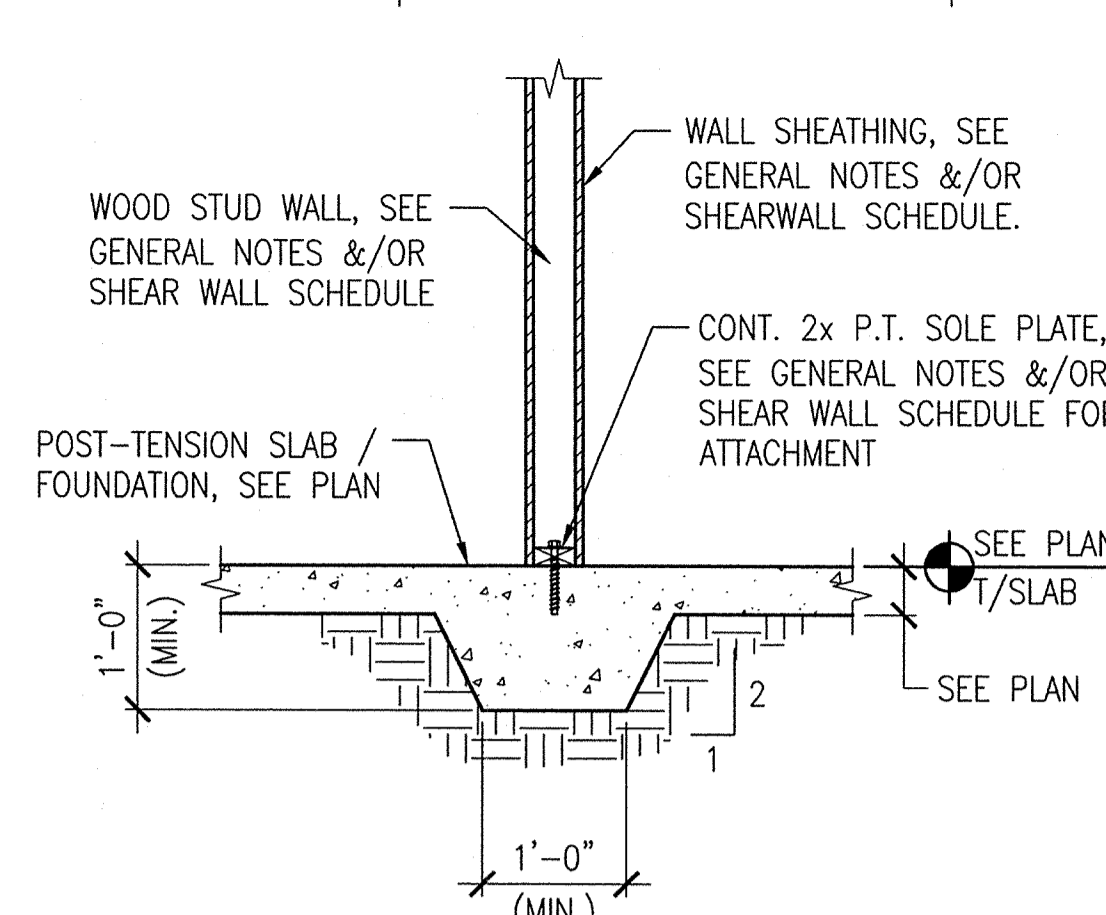
**1 EXTERIOR WOOD STUD WALL AT SLAB EDGE FOUNDATION**

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



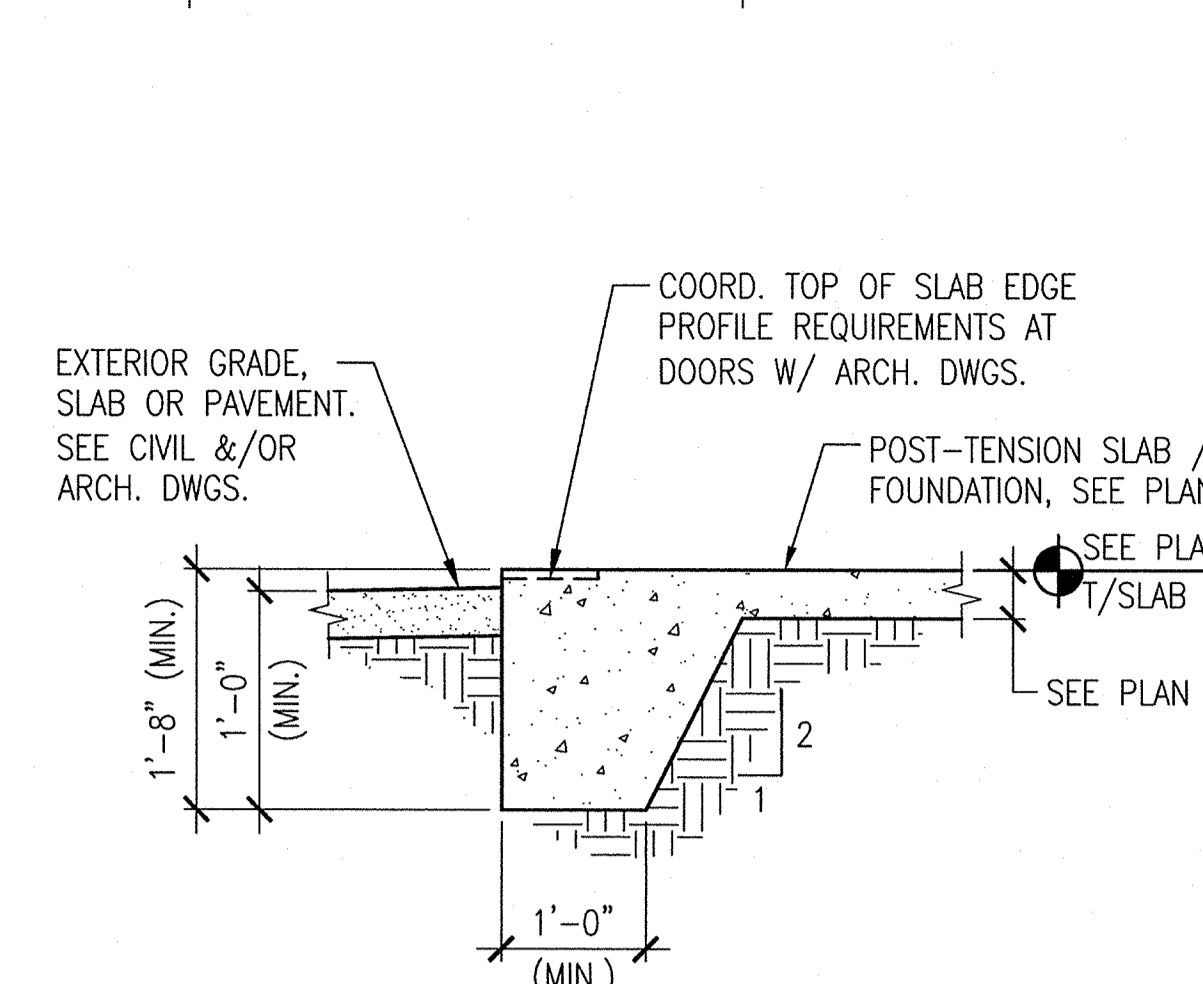
**2 DBL. INTERIOR WOOD STUD BEARING WALL AT FOUNDATION**

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



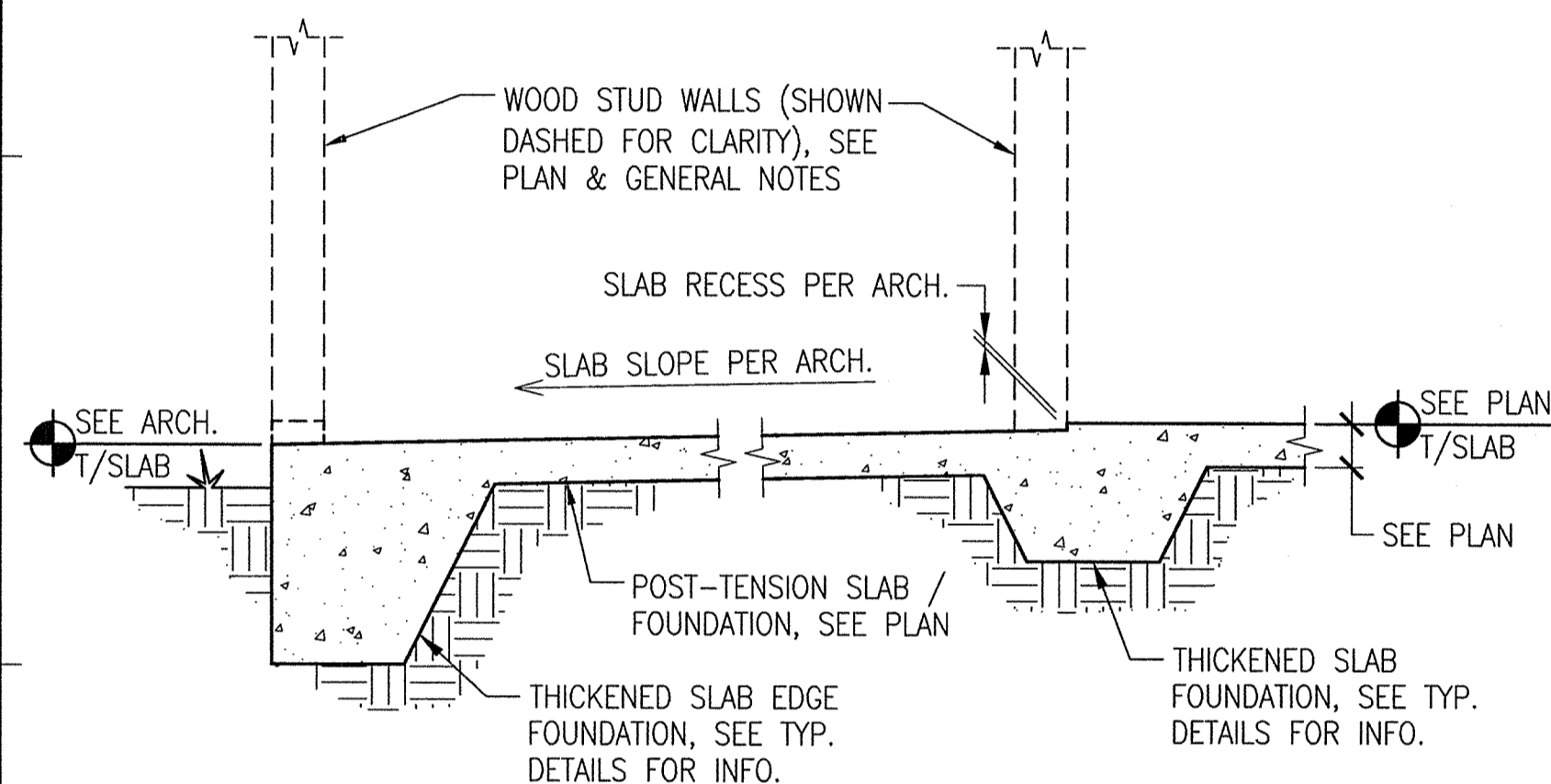
**3 TYP. INTERIOR WOOD STUD BEARING WALL AT FOUNDATION**

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



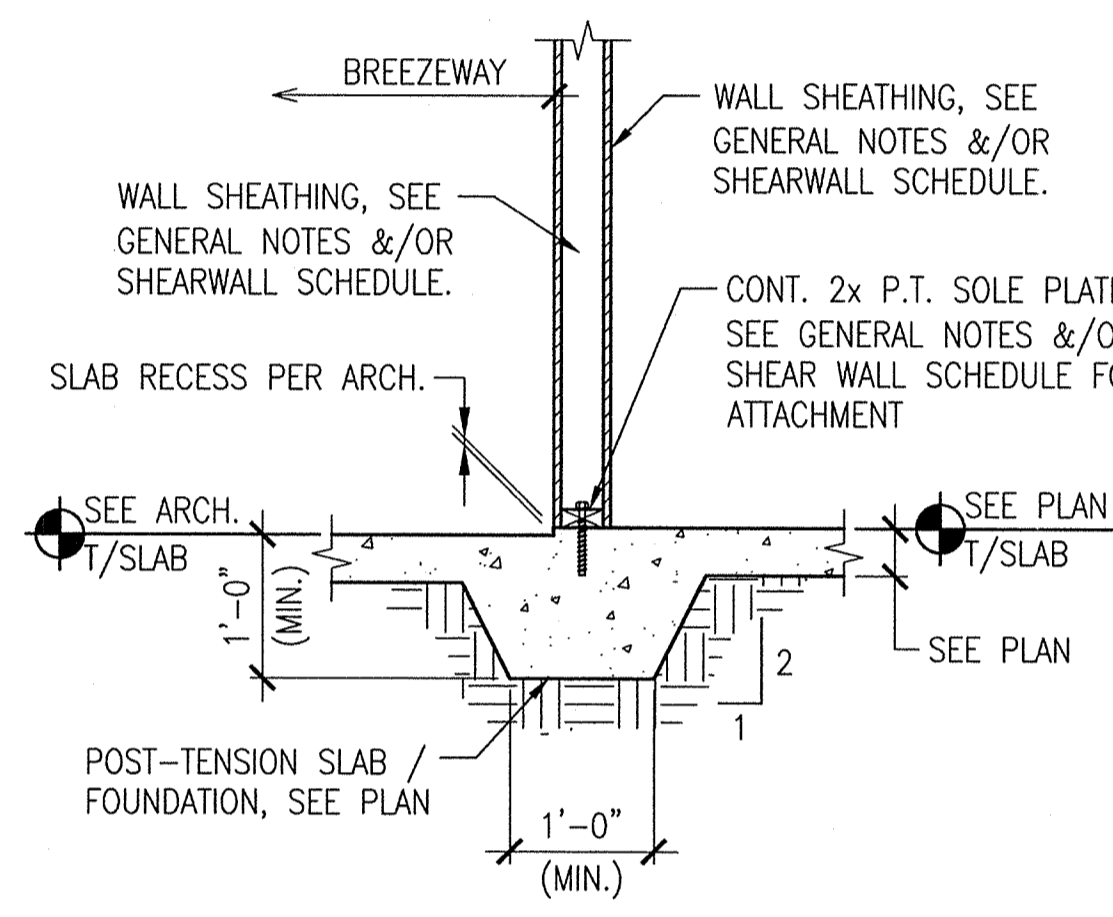
**4 TYPICAL THICKENED SLAB EDGE FOUNDATION**

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



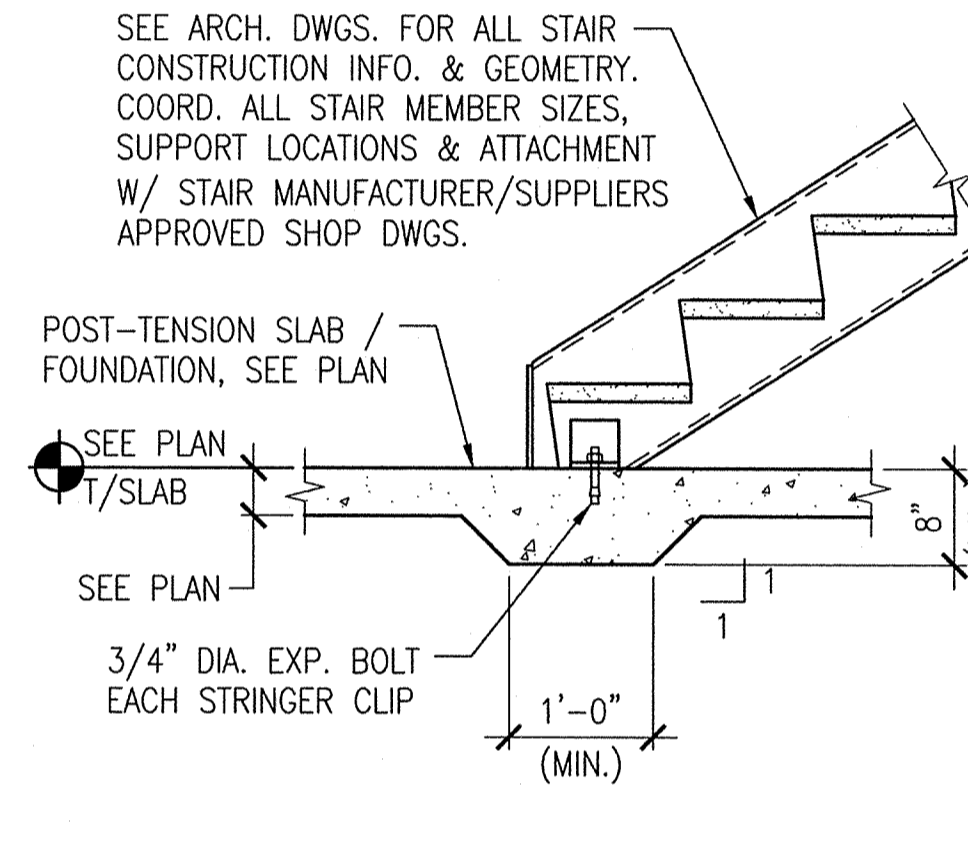
**5 TYP. EXTERIOR PATIO SLAB EDGE FOUNDATION**

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



**6 TYP. INTERIOR WOOD STUD BEARING WALL AT BREEZEWAY**

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



**7 TYP. FOUNDATION AT STAIR**

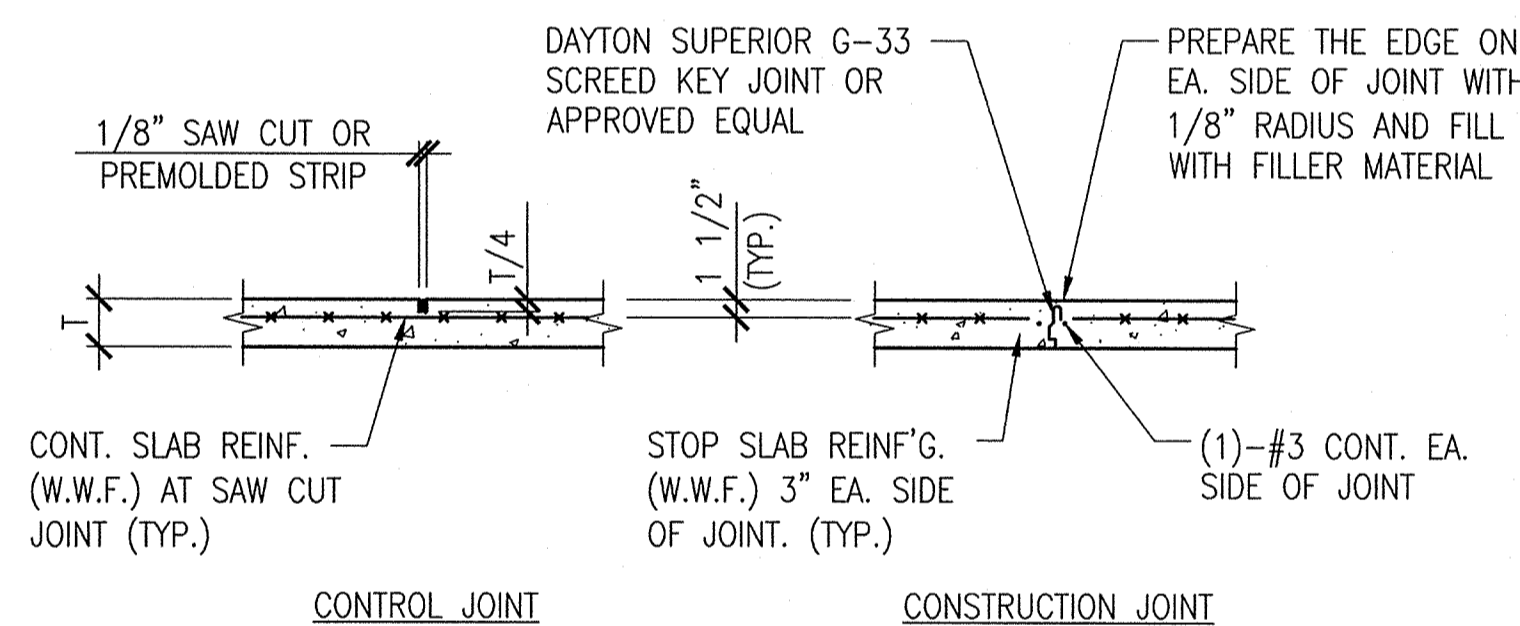
SCALE: 3/4" = 1'-0"

**SAW CUT CONTROL JOINT NOTES:**

- 1). MAKE SAW CUT AS SOON AS SLAB IS ABLE TO SUPPORT WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO FINISH SURFACE OF SLAB.
- 2). ALL SAW CUT CONTROL JOINTS SHALL BE "SOFT CUT" WITHIN 2 HOURS AFTER FINAL FINISHING.
- 3). CLEAN JOINT PRIOR TO FILLING THE JOINT.

**JOINT FILLER MATERIAL NOTES:**

- 1). FILLER MATERIAL USED SHALL HAVE A MINIMUM SHORE A HARDNESS OF 35, AND SHALL CONFORM TO ASTM D2240. JOINT FILLER SHALL BE APPROVED BY ENGINEER PRIOR TO APPLICATION. APPROVED JOINT FILLER IS VULKEM 245 AS MANUFACTURED BY MAMECO INTERNATIONAL OR APPROVED EQUAL.
- 2). WHERE POSSIBLE, FILLER MATERIAL SHALL BE APPLIED WHEN BUILDING IS UNDER PERMANENT TEMPERATURE CONTROL. THIS SHALL BE EITHER AT THE END OF CONSTRUCTION OF THE COMPLETE BUILDING SHELL, OR A MINIMUM OF 90 DAYS AFTER SLAB CONSTRUCTION.
- 3). FOLLOW STRICTLY THE MANUFACTURERS RECOMMENDED PROCEDURES FOR APPLYING THE JOINT FILLER.



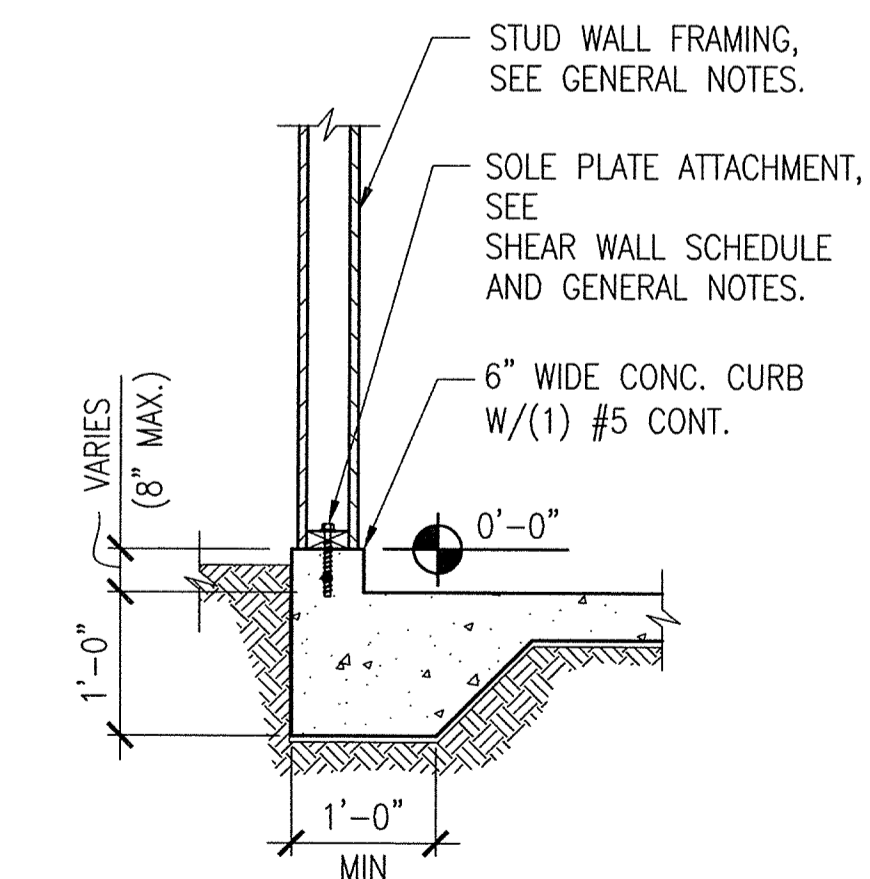
**JOINT LOCATION AND SPACING NOTE:**

- 1). PROVIDE CONTROL AND / OR CONSTRUCTION JOINTS AT A SPACING NOT TO EXCEED: 20'-0" O.C. (MAX.) OR SLAB AREA NOT TO EXCEED 400 SQ. FEET AND SLAB PROPORTIONS NOT TO EXCEED A RATIO OF 2 : 1 (TYPICAL UNLESS OTHERWISE SHOWN ON THE DRAWINGS).

**8 TYPICAL SLAB ON GRADE CONTROL AND CONSTRUCTION JOINT DETAIL**

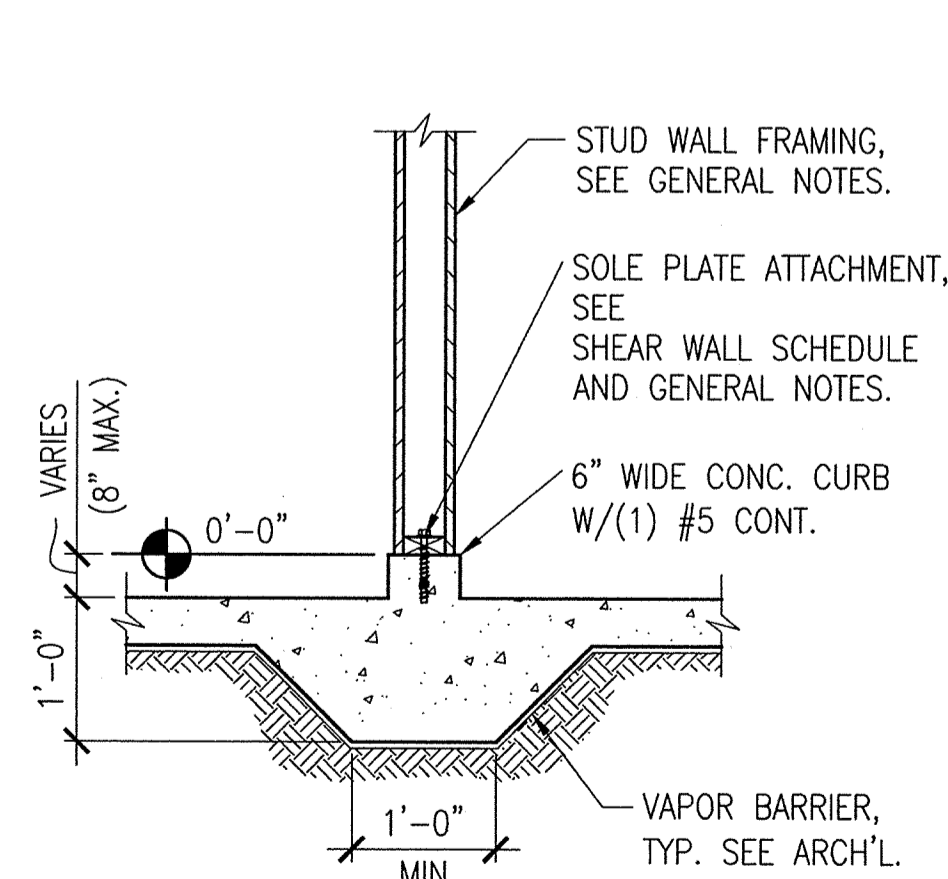
SCALE: 3/4" = 1'-0"

AT NON-POST-TENSION SLAB



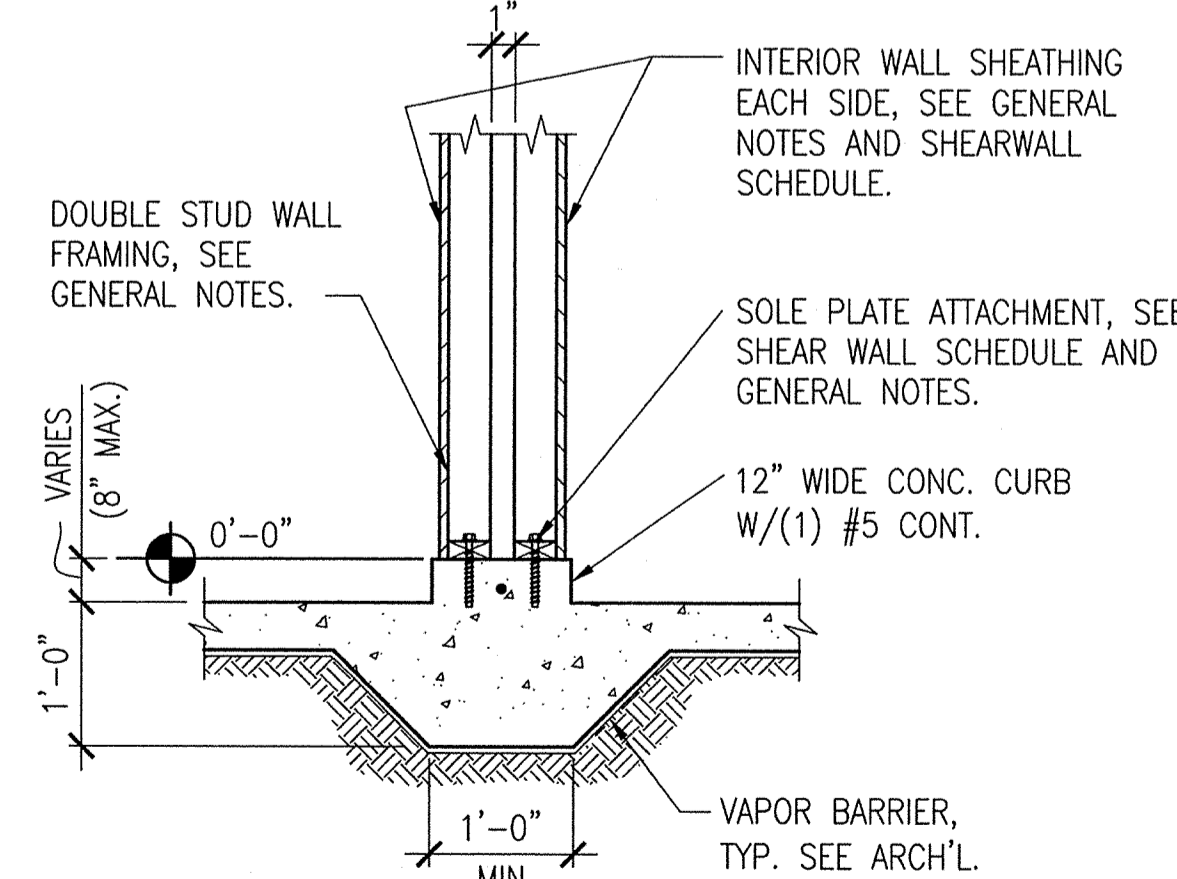
**9 SECTION**

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



**10 CONCRETE CURB • INTERIOR WALL**

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



**11 CONCRETE CURB • INTERIOR WALL**

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

**PERMIT REVIEW**

**SHEET NOTES:**

- A) SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.
- B) DO NOT SCALE DRAWINGS. SEE ARCH. DWGS. FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS W/ ARCH. DWGS. PRIOR TO START OF CONSTRUCTION. IF A DISCREPANCY SHOULD OCCUR, CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.

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Lake County, FL

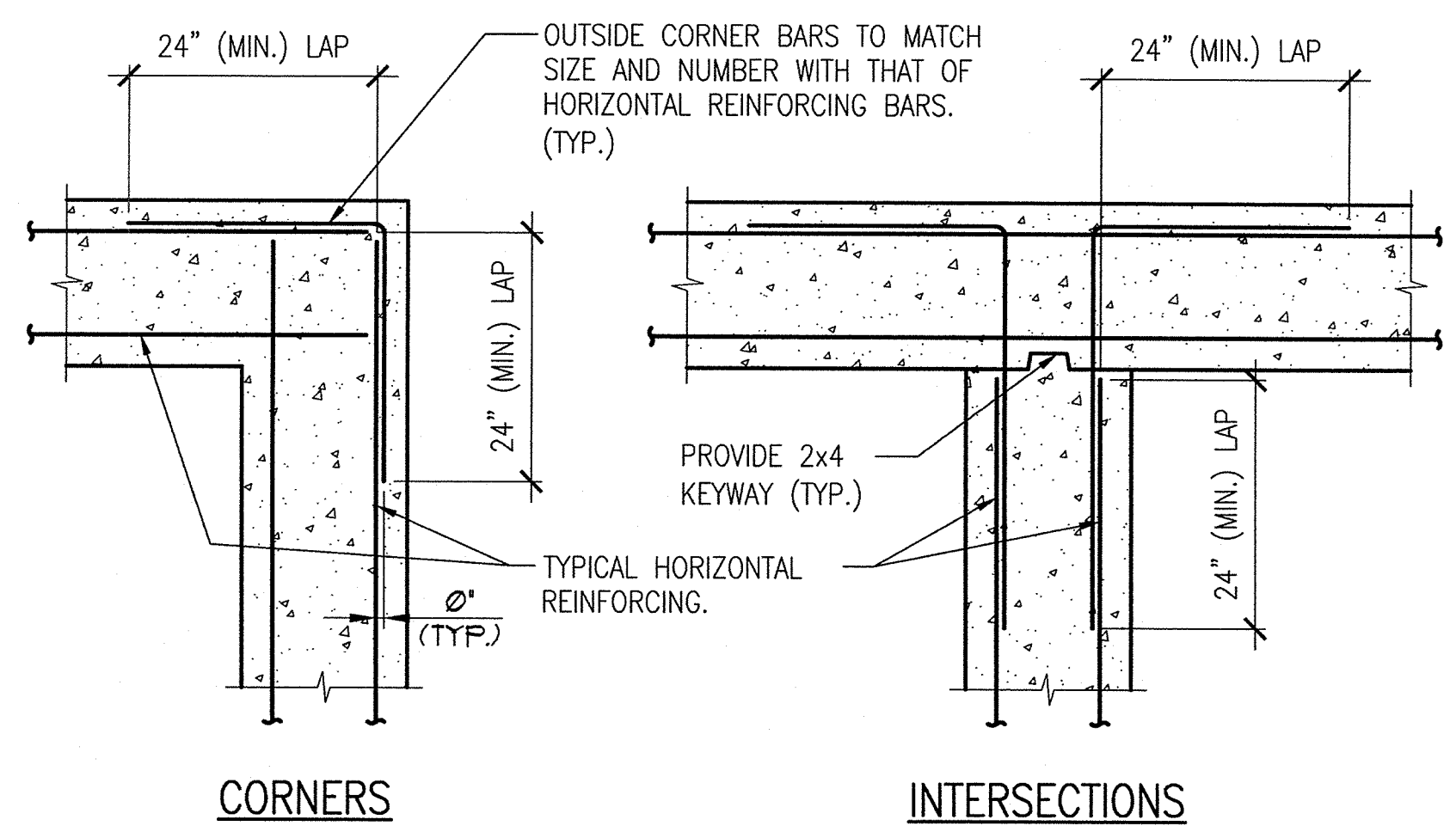
**SECTIONS AND DETAILS**

S5.01

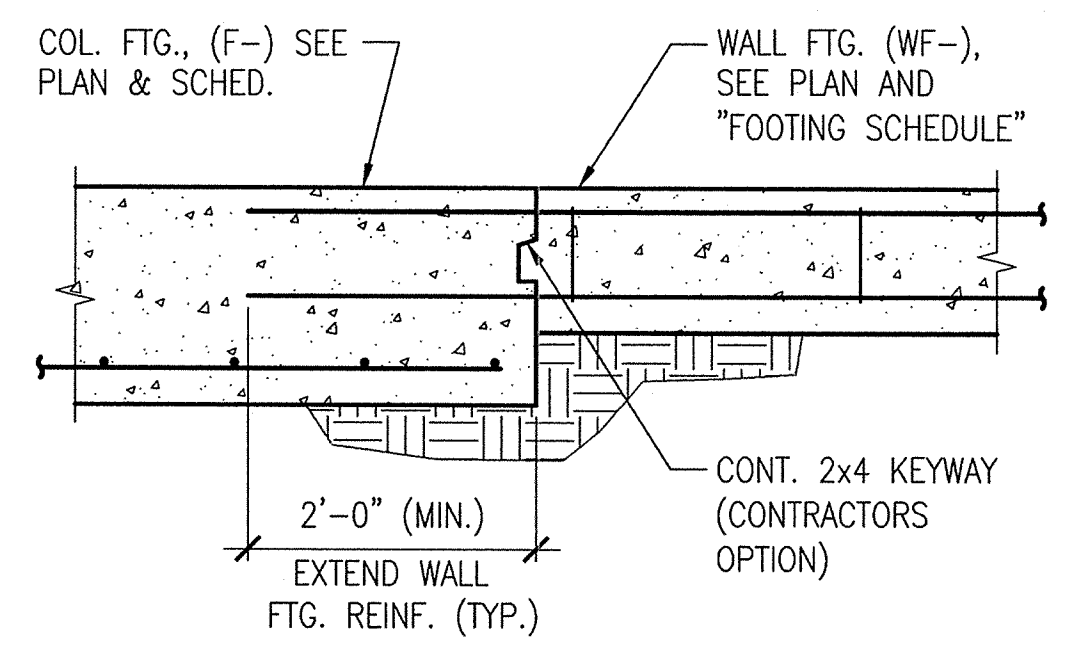
Engineer of Record: John M. Bailes, P.E. FL No: 39923

**ASD**  
ADVANCED STRUCTURAL DESIGN

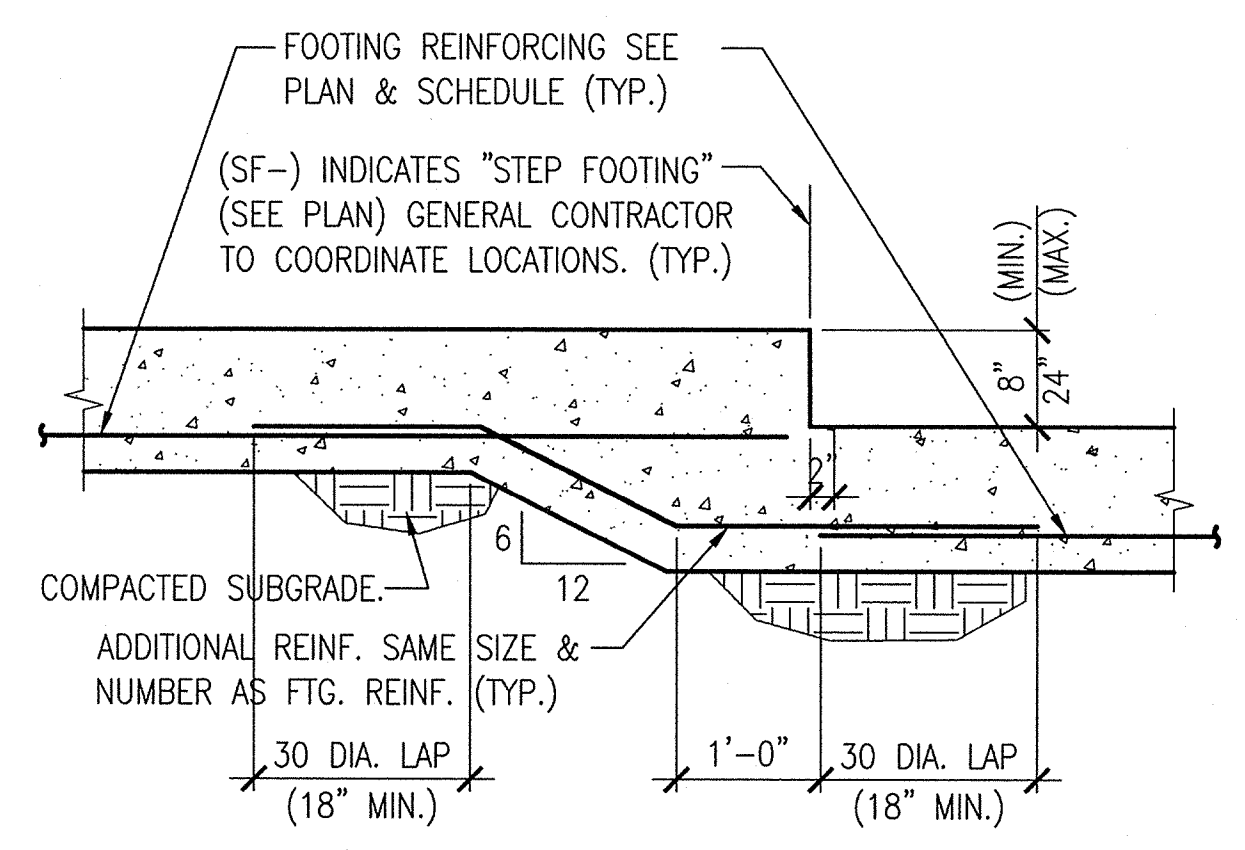
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Phone: 407-677-5836 - Fax: 407-677-5894  
Florida Engineering Business Number: 255893  
John M. Bailes, P.E. Florida No: 39923



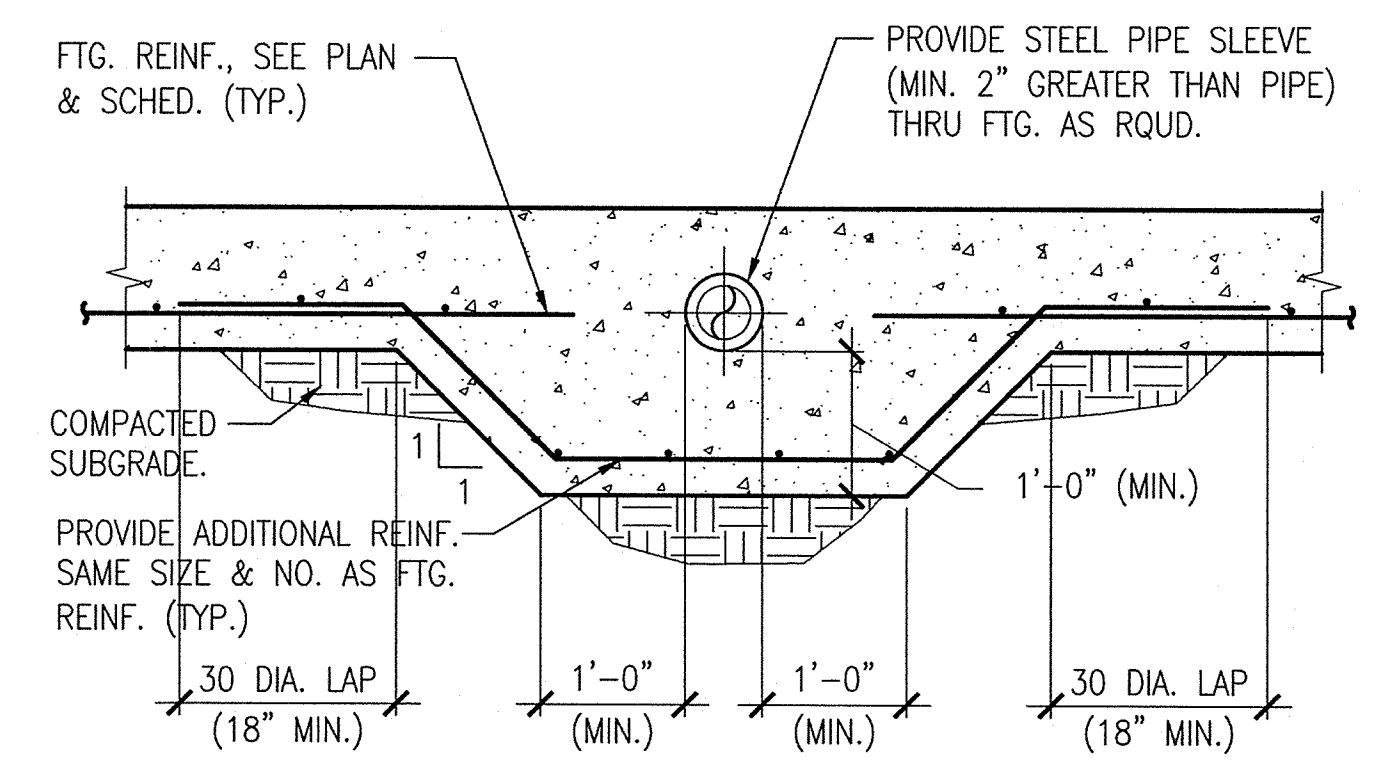
**1** TYP. HORIZ. REINF. IN CAST-IN-PLACE BEAMS, WALLS AND FOOTINGS  
SCALE: 3/4" = 1'-0"



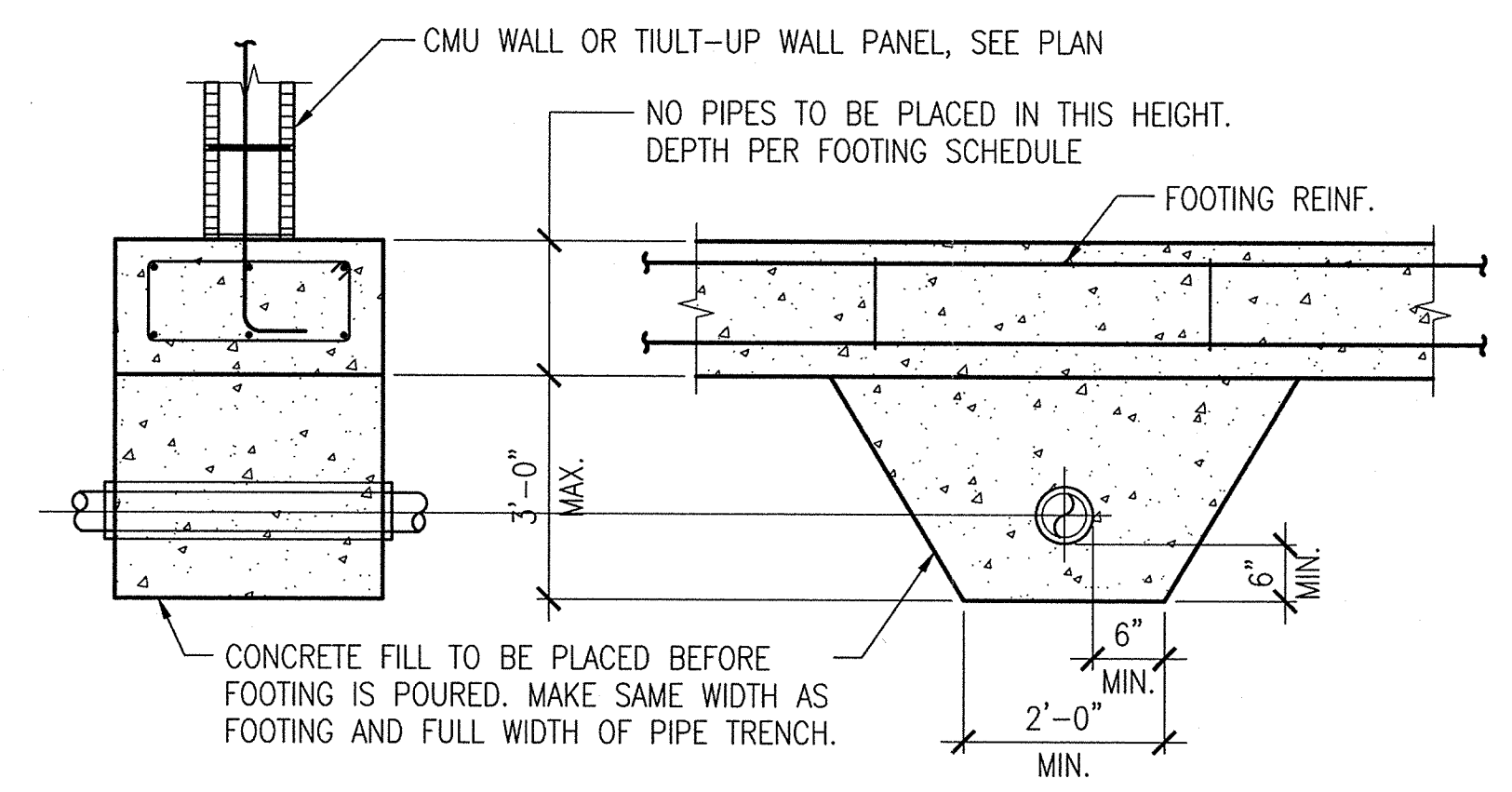
**2** TYPICAL WALL FOOTING AT COLUMN FOOTING  
SCALE: 3/4" = 1'-0"



**3** TYPICAL STEP FOOTING DETAIL  
SCALE: 3/4" = 1'-0"



**4** TYP. PIPE PENETRATION AT FOOTING  
SCALE: 3/4" = 1'-0"



**5** TYP. PIPE PENETRATION BELOW FTG.  
SCALE: 3/4" = 1'-0"

**PERMIT REVIEW**

- SHEET NOTES:**
- A** SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.
  - B** DO NOT SCALE DRAWINGS. SEE ARCH. DWGS. FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS W/ ARCH. DWGS. PRIOR TO START OF CONSTRUCTION. IF A DISCREPANCY SHOULD OCCUR, CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
 P.L.L.C.  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

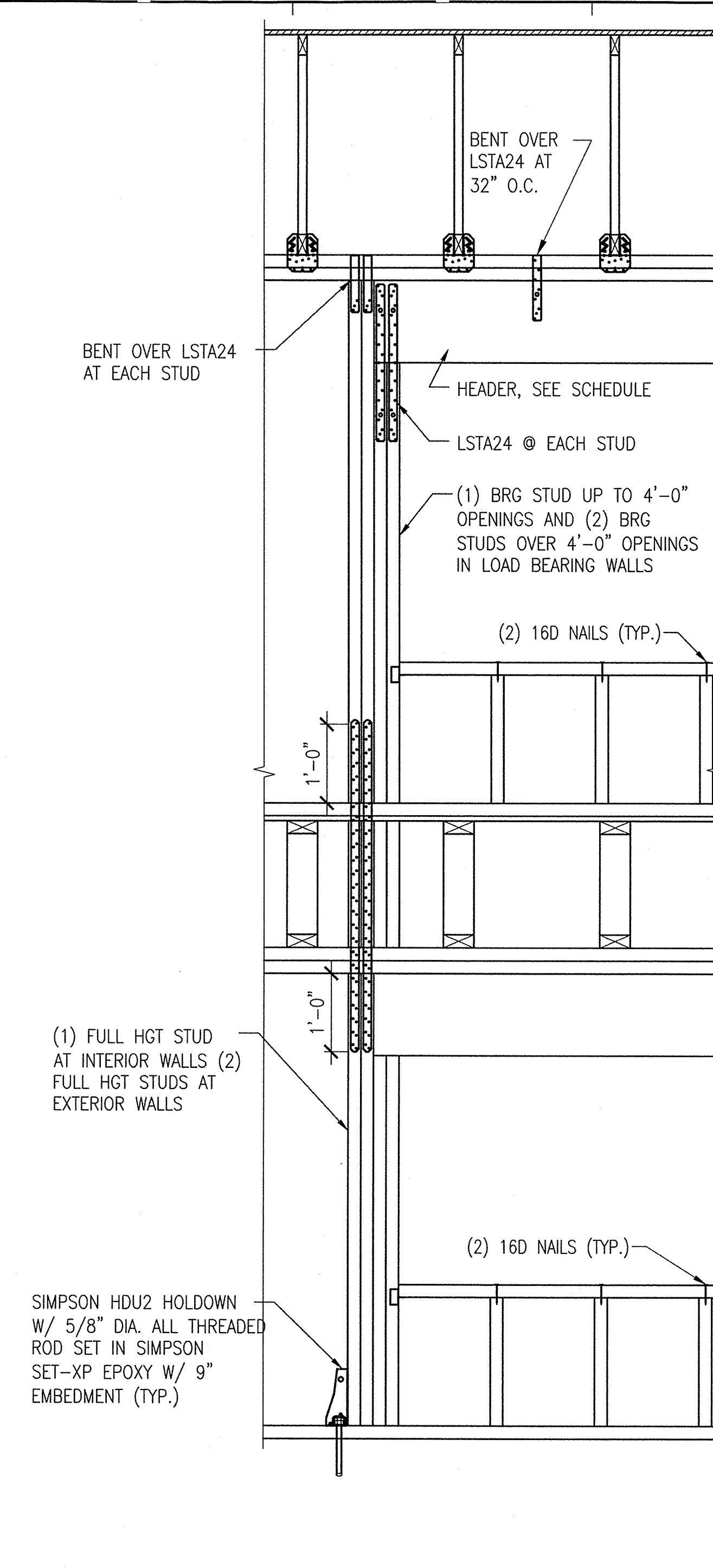
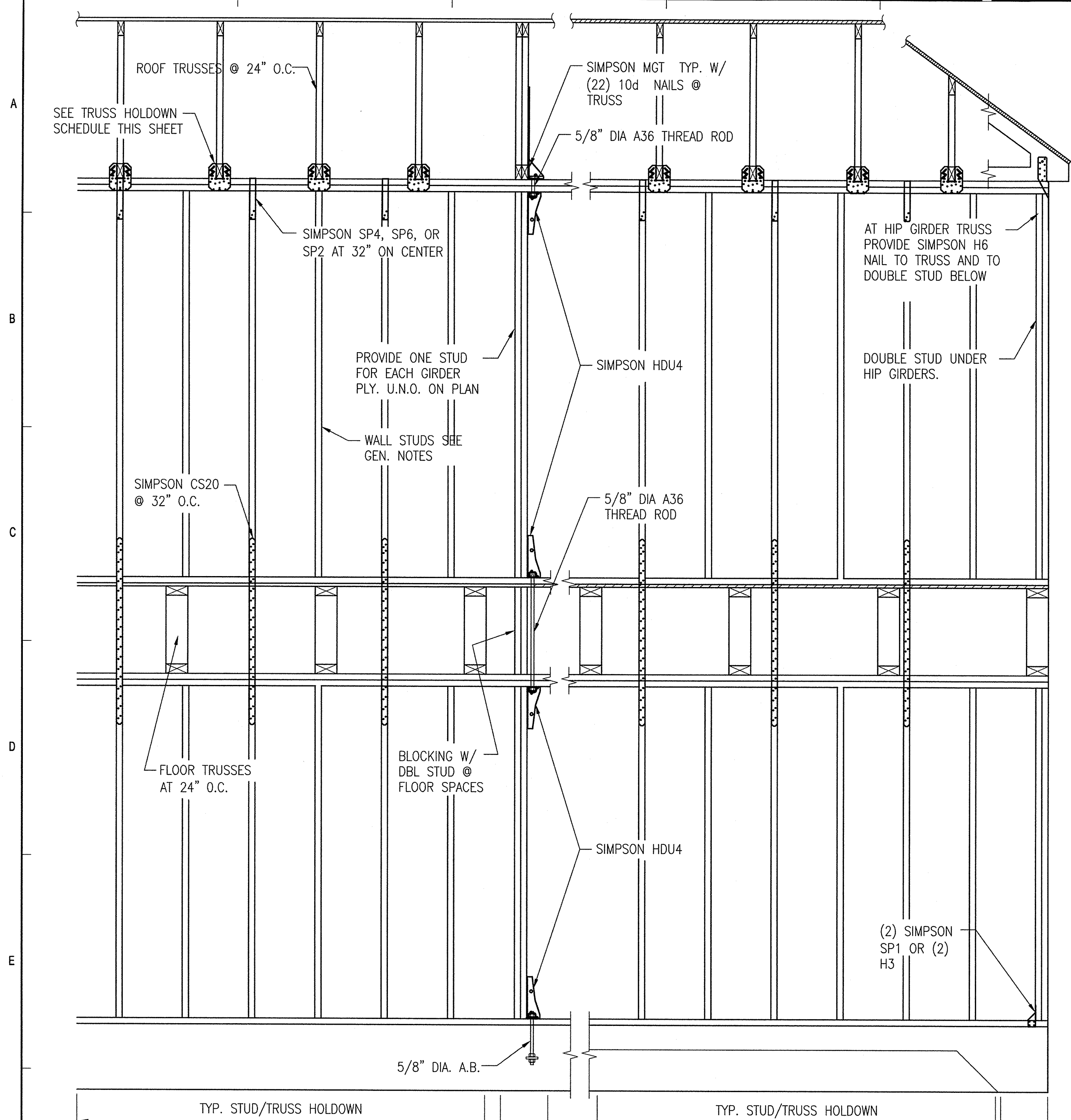
**LAKE COUNTY BUILDING DIVISION**  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.  
**RECEIVED DEC 04 2013**

**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Design: LEB/HT/CLH  
 Check: CLH/JMB  
 Approval: JMB  
 Date: 11/15/2013  
 Project #: 5169

**SECTIONS AND DETAILS** S5.02

Engineer of Record: John M. Bailes, P.E. FL No: 39923

**ASD**  
 ADVANCED STRUCTURAL DESIGN  
 To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010.  
 1265 S. Semoran Blvd., Suite 1201, Winter Park, FL 32789  
 Phone: 407-677-5836 - Fax: 407-677-5894  
 Florida Engineering Business Number: 25893  
 John M. Bailes, P.E. Florida No: 39923



### TRUSS AND RAFTER CONNECTIONS TO WOOD TOP PLATES SCHEDULE

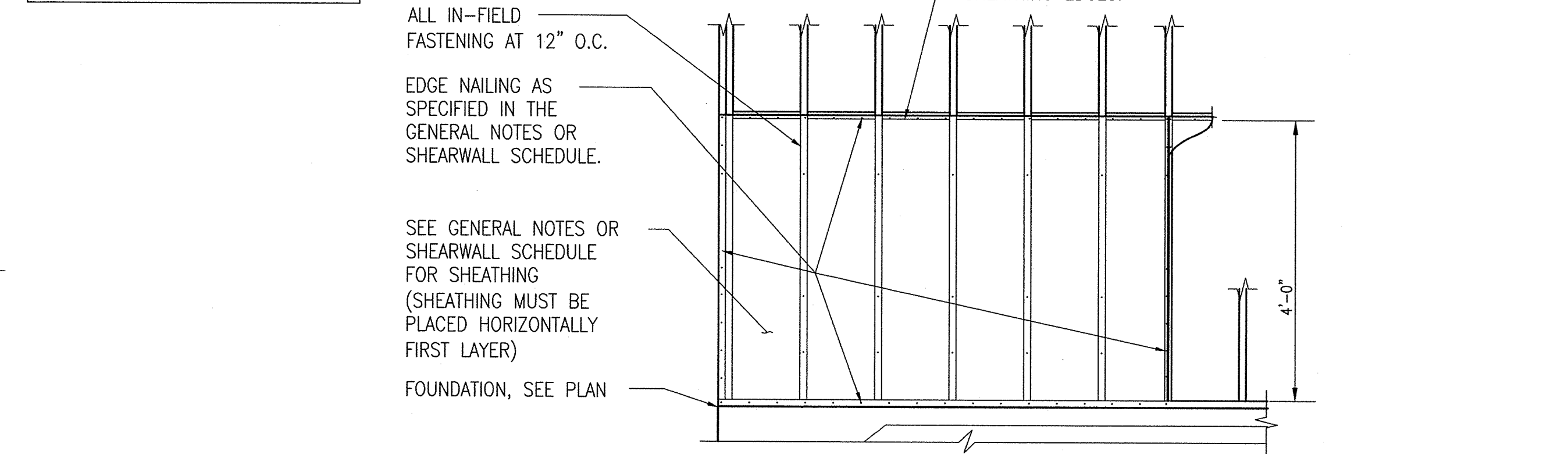
MAX UPLIFT	ANCHOR		FASTENERS		COM
	TYPE	QTY	TO TRUSS	TO PLATES	
415	H2.5	1	5-8d	5-8d	
585	H1	1	6-8d x 1 1/2	4-8d	
605	HCP2	1	6-10d x 1 1/2	6-10d x 1 1/2	
745	H8	1	5-10d x 1 1/2	5-10d x 1 1/2	
760	H10-2	1	6-10d	6-10d	
775	LTS12	1	6-10d	6-10d	
830	H2.5	2	10-8d	10-8d	
990	H10	1	8-8d x 1 1/2	8-8d x 1 1/2	
1000	MTS12	1	7-10d	7-10d	
1000	HCP4	1	8-10d	8-10d	
1170	H1	2	12-8d x 1 1/2	8-8d	
1300	H15	1	4-10d x 1 1/2	4-10d x 1 1/2	4
1300	H15-2	1	4-10d x 1 1/2	4-10d x 1 1/2	4
1470	H16	1	2-10d x 1 1/2	10-10d x 1 1/2	
1490	H8	2	10-10d x 1 1/2	10-10d x 1 1/2	
1520	H10-2	2	12-10d	12-10d	
1550	LTS12	2	12-10d	12-10d	
1980	H10	2	16-8d x 1 1/2	16-8d x 1 1/2	
2000	MTS12	2	14-10d	14-10d	
2050	LGT2	1	16-16d SINKERS	14-16d	
3965	MGT	1	22-10d	5/8" DIA. BOLT	2
10,980	HGT-2	1	16-10d	(2) 5/8" DIA BOLTS	3
10,530	HGT-3	1	16-10d	(2) 5/8" DIA BOLTS	3
9250	HGT-4	1	16-10d	(2) 5/8" DIA BOLTS	3

- COMMENTS:**
- USE TRUSS SHOP DRAWINGS TO DETERMINE UPLIFT REQUIREMENTS. PROVIDE TRUSS ANCHOR THAT PROVIDES AN UPLIFT CAPACITY, EQUAL TO OR GREATER THAN THE UPLIFT INDICATED ON THE TRUSS SHOP DRAWINGS. INSTALL ALL TRUSS ANCHORS PER THE MANUFACTURERS REQUIREMENTS FOR THE REQUIRED UPLIFT.
  - ATTACH THRU-BOLTS TO HDU4 ANCHORS ATTACHED TO BEARING STUDS BELOW.
  - ATTACH THRU-BOLTS TO HDU5 ANCHORS ATTACHED TO BEARING STUDS BELOW.
  - 12-10d x 1 1/2" NAILS TO STUDS BELOW.
  - ANCHOR TYPES SHOWN ARE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. ALTERNATE CONNECTORS MAY BE USED WITH PRIOR APPROVAL BY ENGINEER OF RECORD.

NOTE: SEE GENERAL NOTES AND SHEARWALL SCHEDULE FOR ATTACHMENT OF SOLE PLATE TO FOUNDATION WALL

### 1 TYPICAL STUD WALL HOLD DOWNS (FOR ALL LEVELS)

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



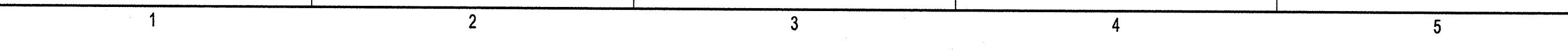
### 2 TYPICAL (U.N.O.) FRAMING AND CONNECTORS FOR WINDOW/DOOR OPENINGS UP TO 8'-0" SPAN AT EXTERIOR OR INTERIOR LOAD BEARING WALL

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



### 3 TYPICAL SHEATHING ATTACHMENT DETAIL

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



**PERMIT REVIEW**

**SHEET NOTES:**

**A** SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.

**B** DO NOT SCALE DRAWINGS. SEE ARCH. DWGS. FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS W/ ARCH. DWGS. PRIOR TO START OF CONSTRUCTION. IF A DISCREPANCY SHOULD OCCUR, CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description
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**FUGLEBERG KOCH**  
P.L.L.C.

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**

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RECEIVED DEC 4 2013

**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn: LEB/HT/CLH  
Checked: CLH/JMB  
Approved: JMB  
Date: 11/15/2013  
Project #: 5169

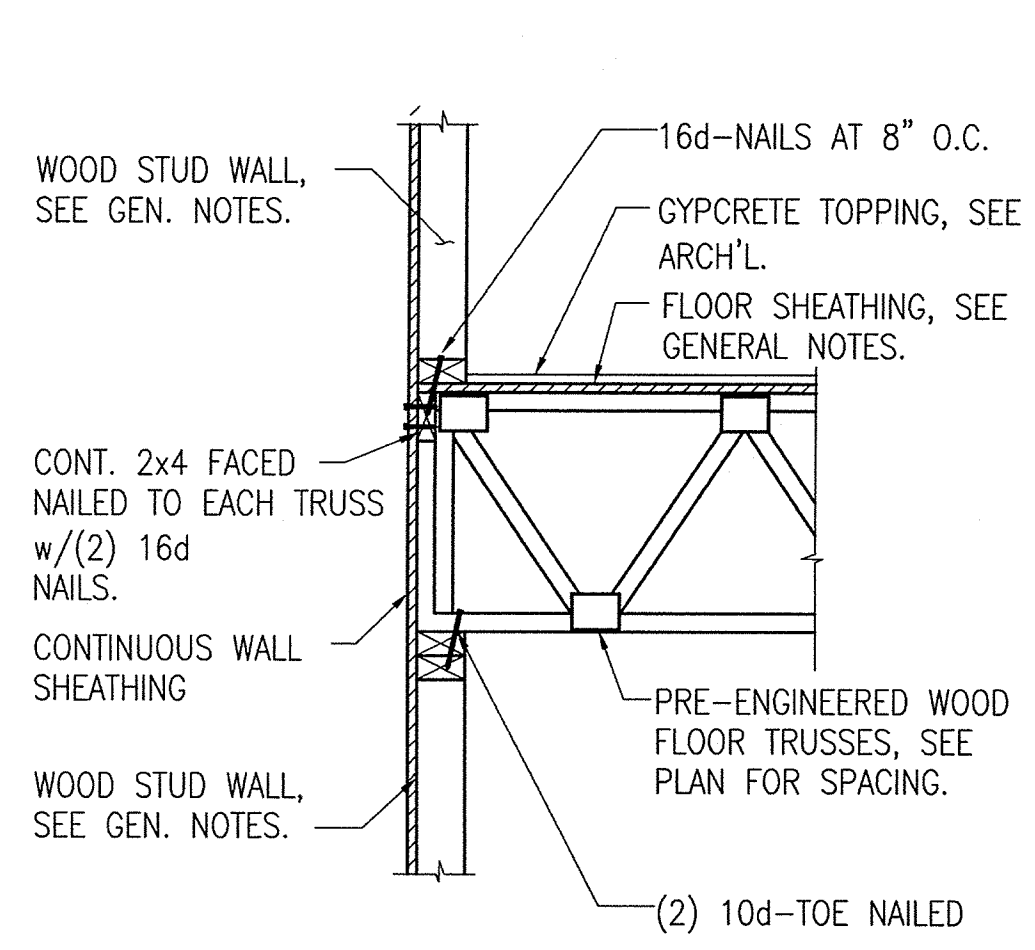
**SECTIONS AND DETAILS** S5.03

**ASD**  
ADVANCED STRUCTURAL DESIGN

To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010, 1265 S. Semoran Blvd., Suite 1201, Winter Park, FL 32789  
Phone: 407-677-5836 - Fax: 407-677-5894  
Florida Engineering Business Number: 25893  
John M. Bailes, P.E. Florida No: 39923

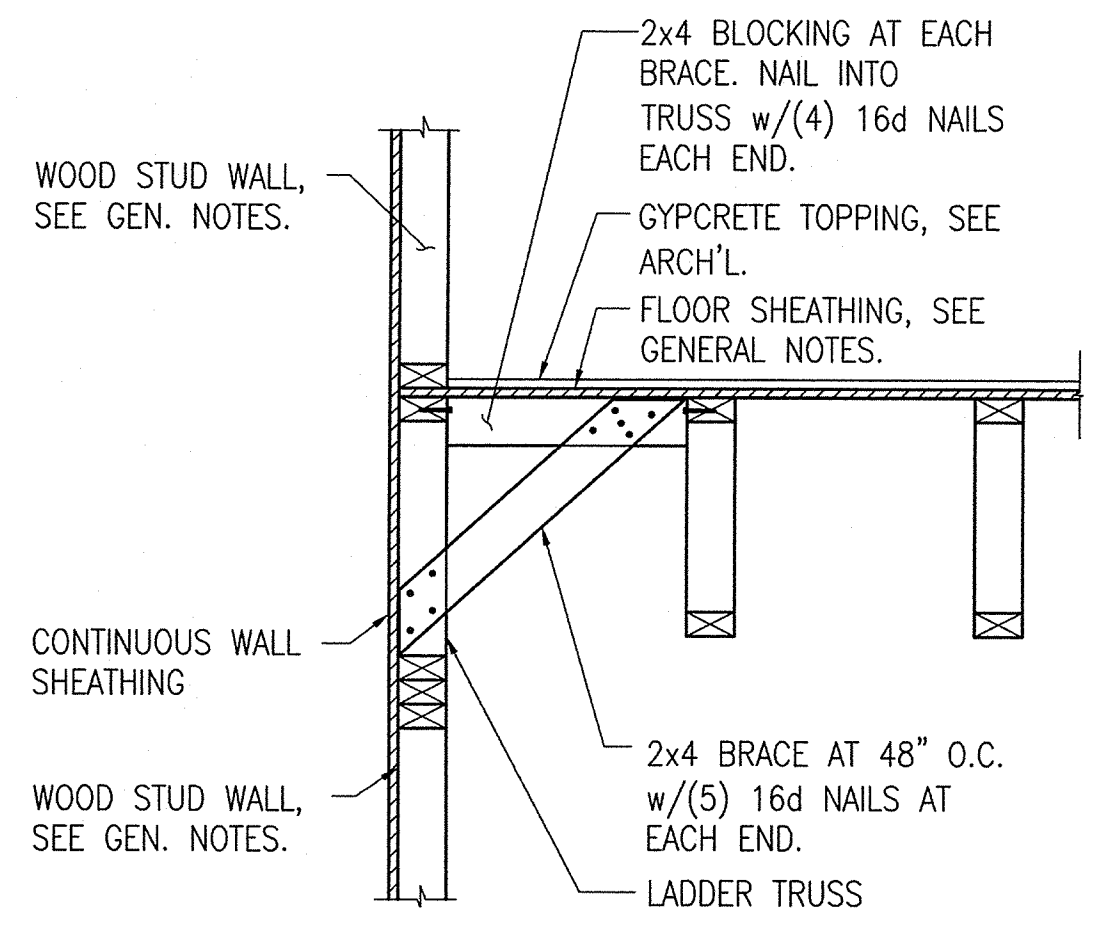
Engineer of Record: John M. Bailes, P.E. FL No: 39923

JOHN M. BAILES  
LICENSE  
No. 39923  
FLORIDA  
PROFESSIONAL ENGINEER



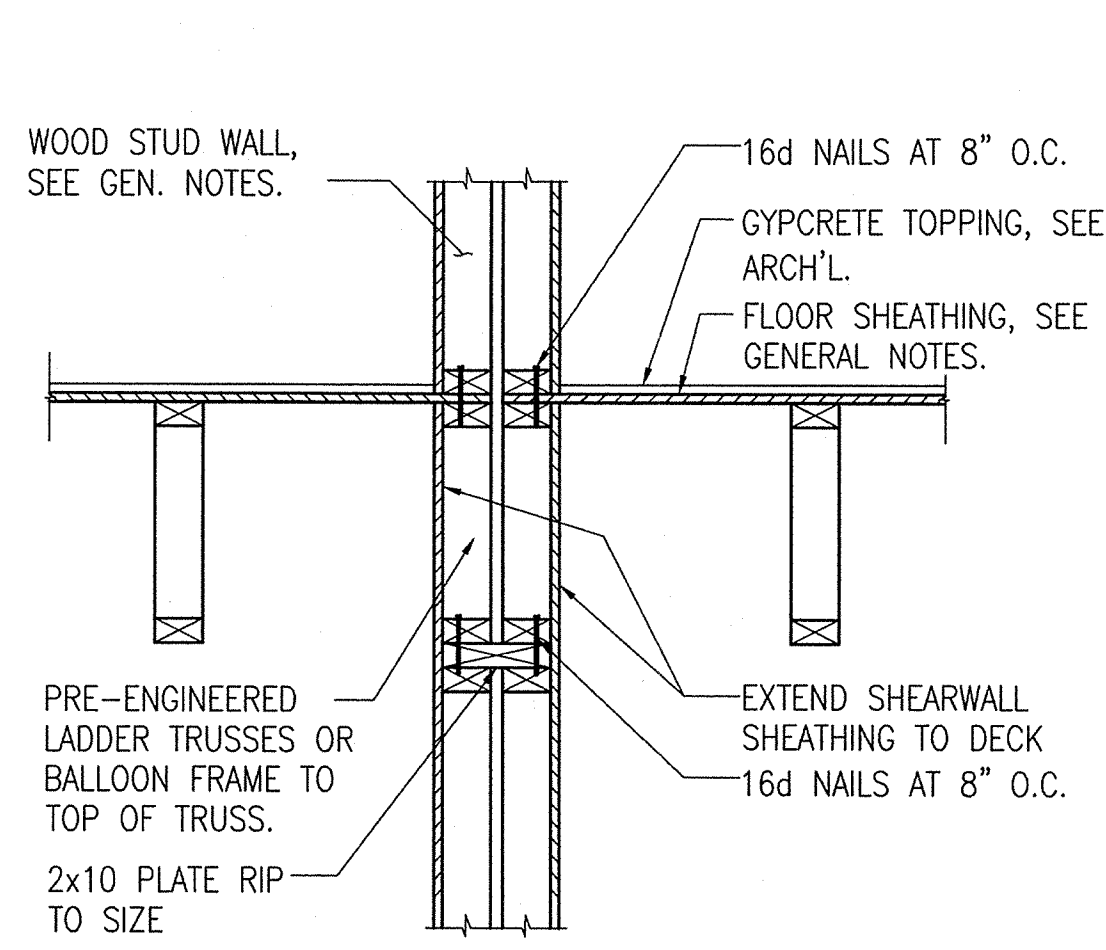
TYPICAL EXTERIOR WALL

**1 SECTION**  
SCALE 3/4" = 1'-0"



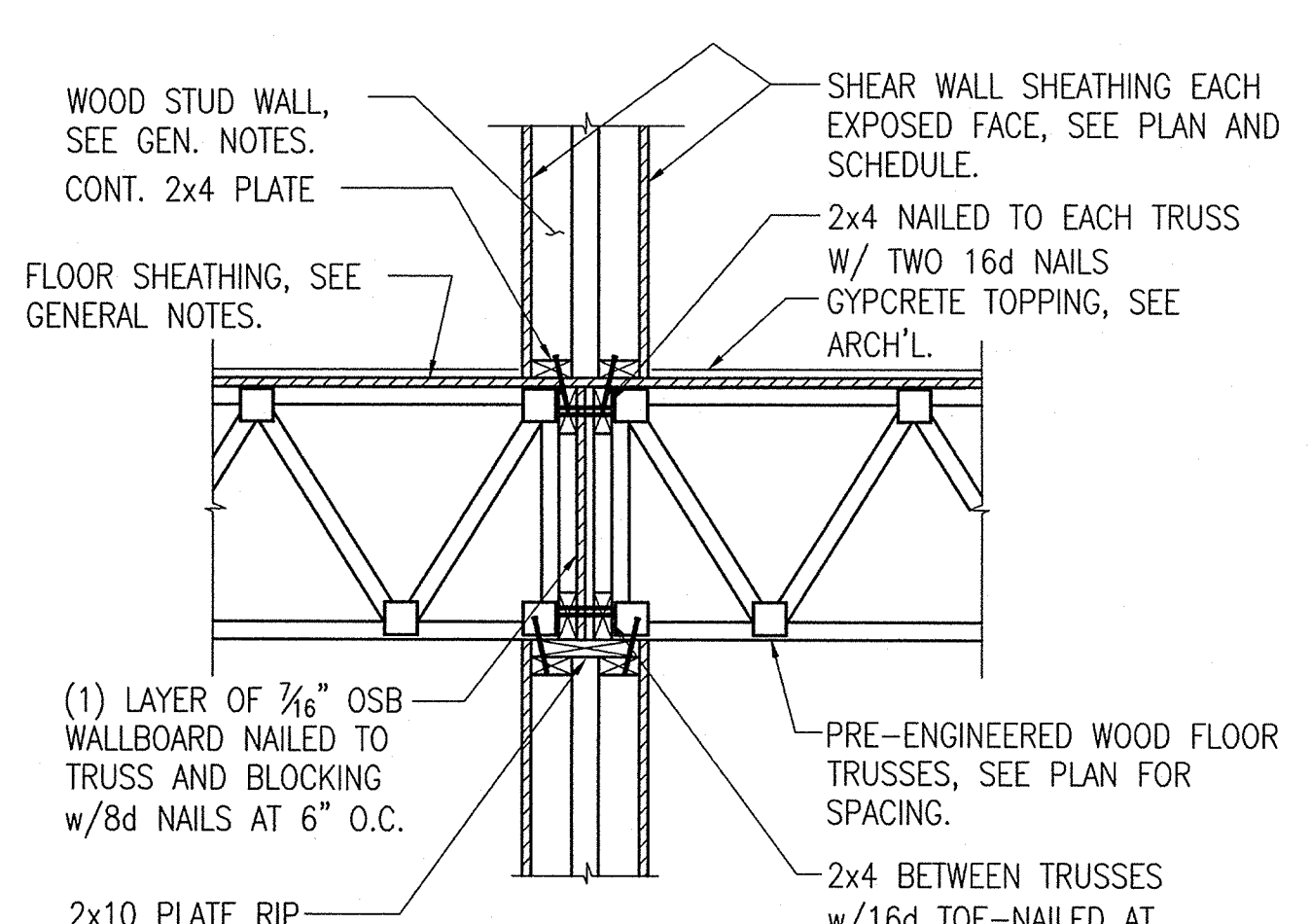
TYPICAL EXTERIOR WALL

**2 SECTION**  
SCALE 3/4" = 1'-0"



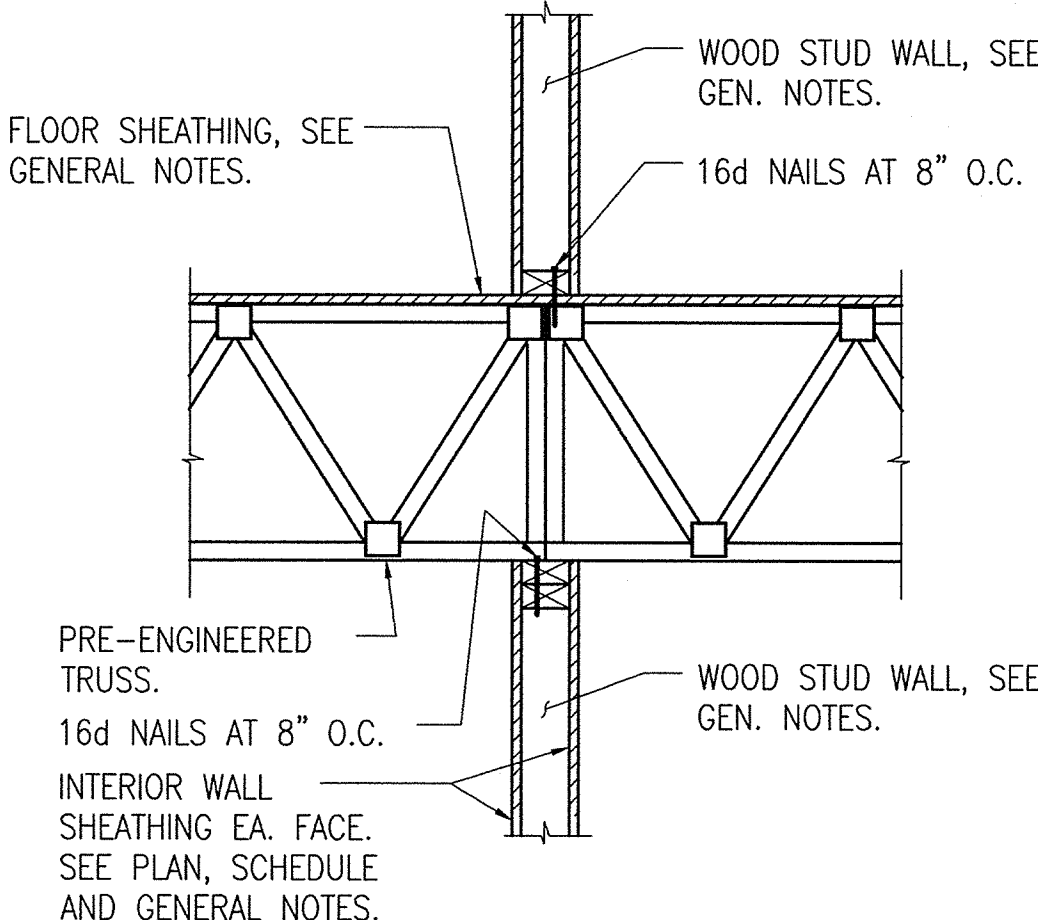
TYPICAL INTERIOR DOUBLE SHEAR WALL

**3 SECTION**  
SCALE 3/4" = 1'-0"



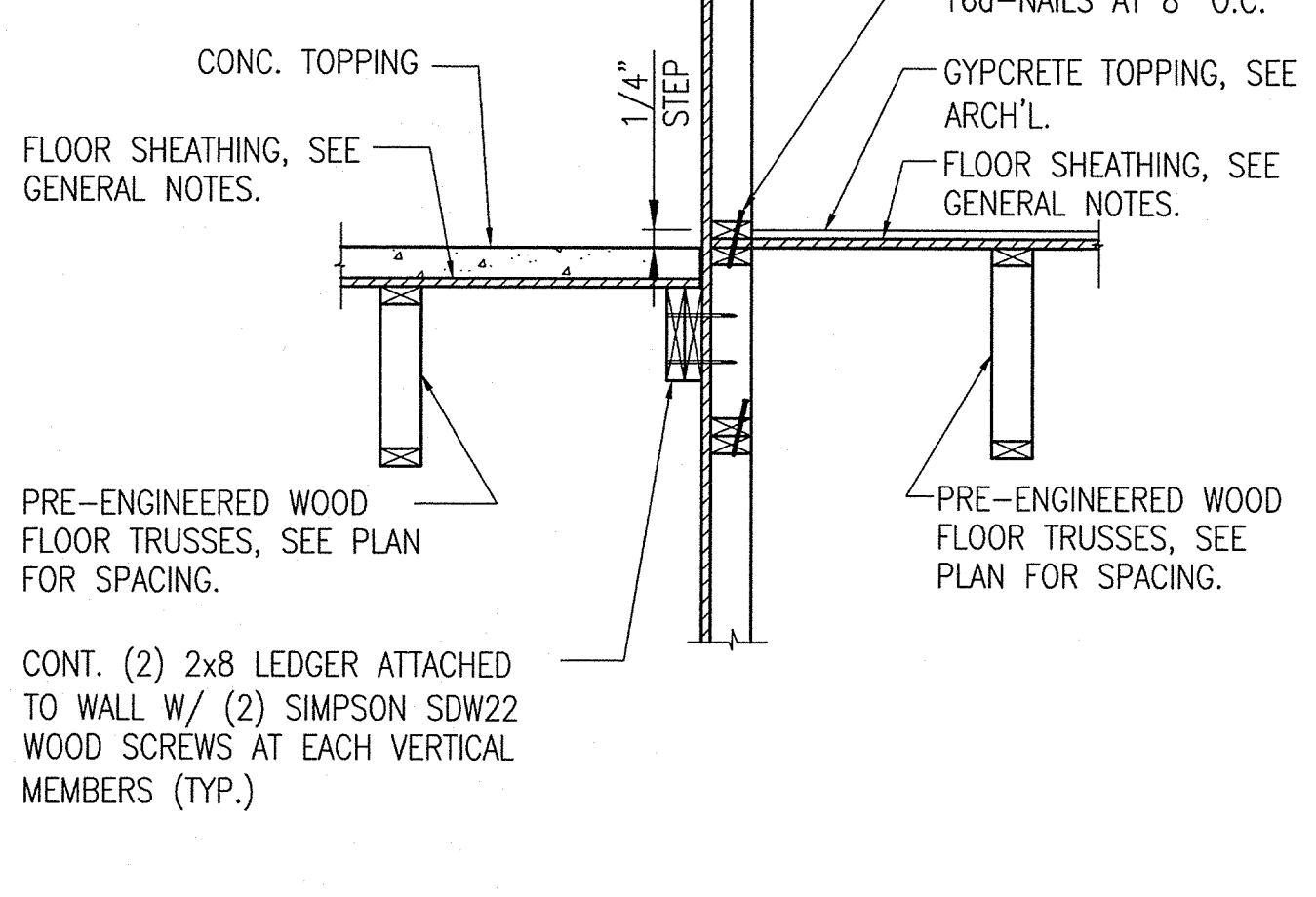
TYPICAL INTERIOR DOUBLE SHEAR WALL

**4 SECTION**  
SCALE 3/4" = 1'-0"



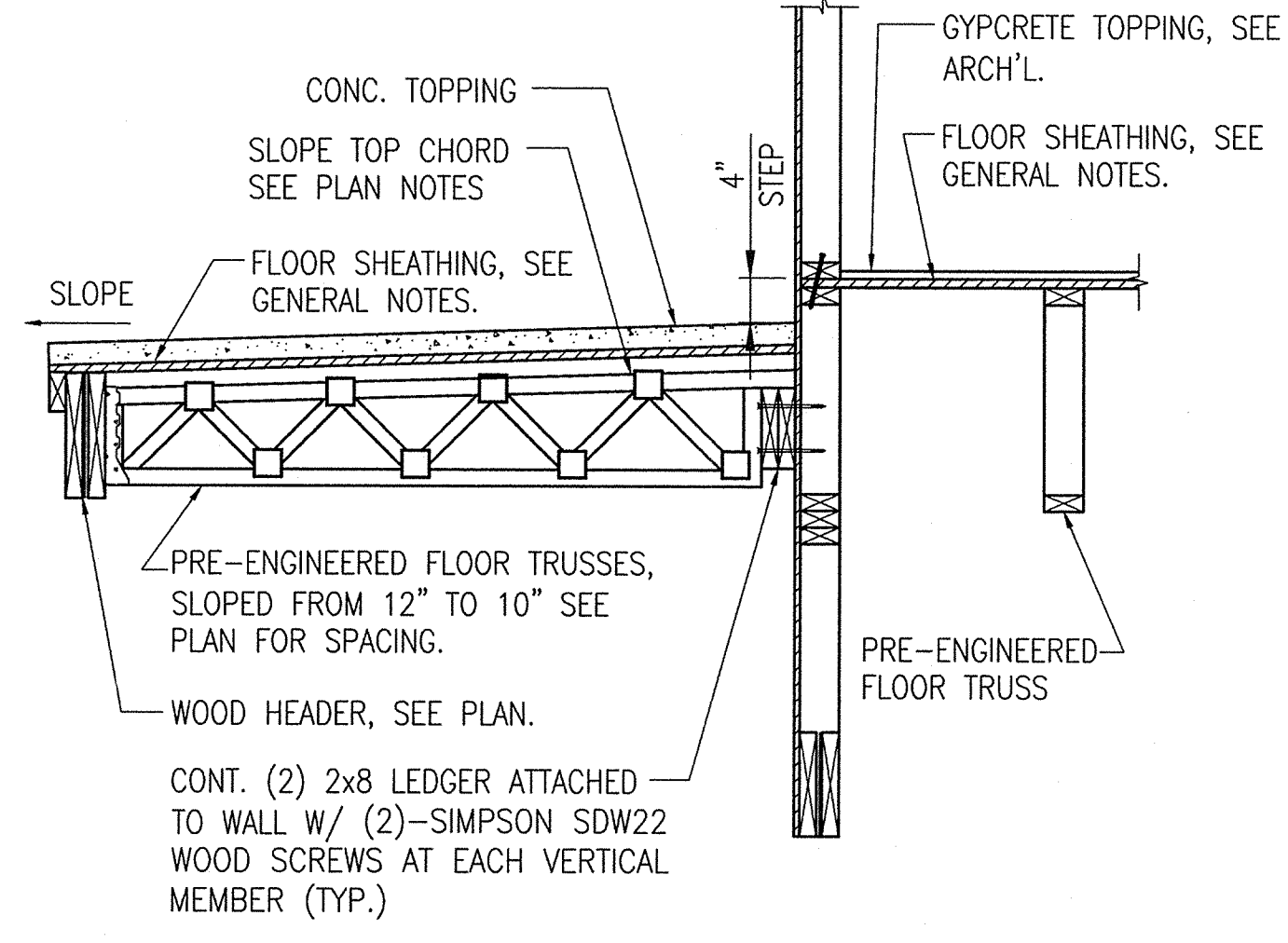
TYPICAL INTERIOR BEARING WALL

**5 SECTION**  
SCALE 3/4" = 1'-0"



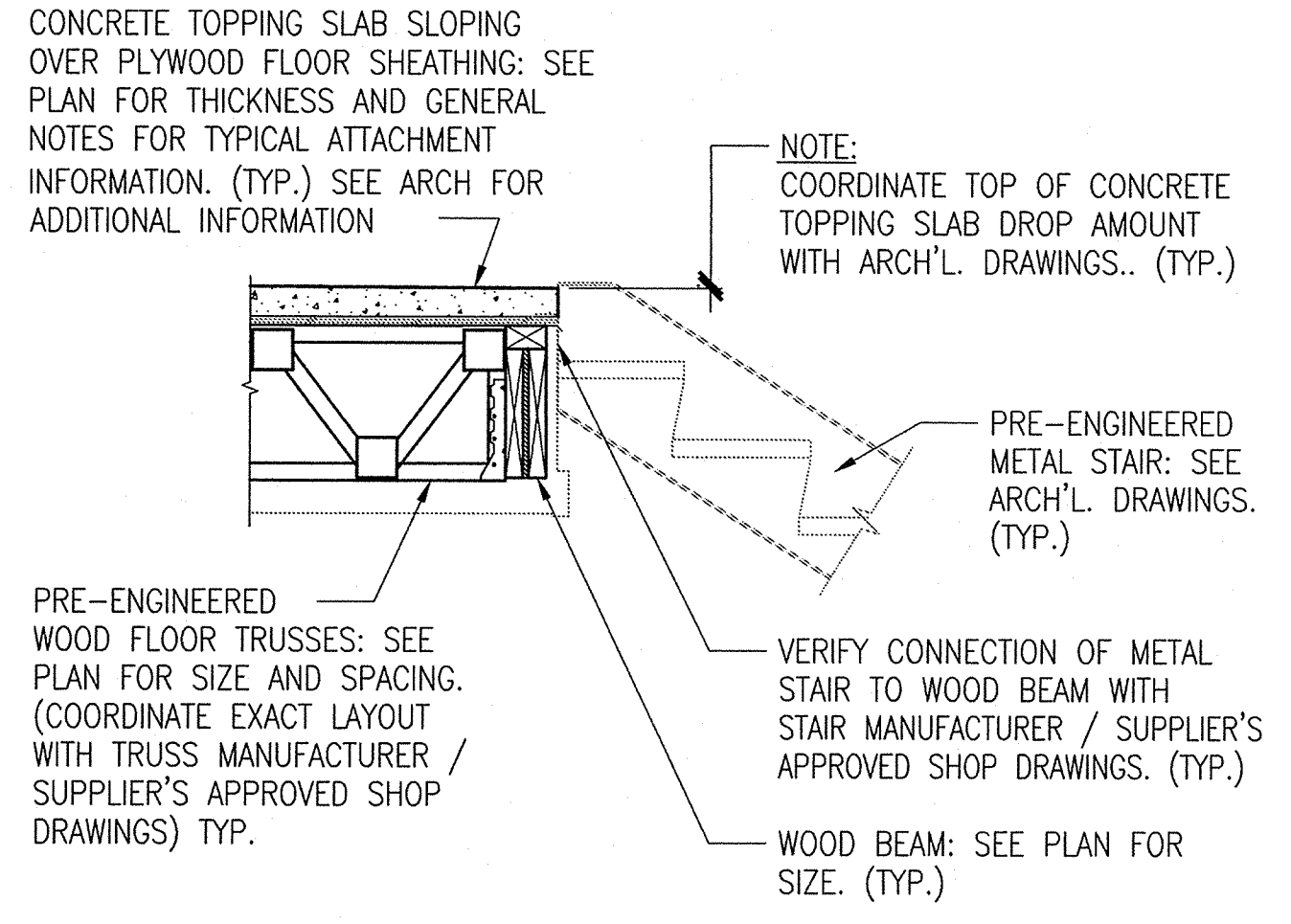
TYPICAL WALL AT BREEZEWAY

**6 SECTION**  
SCALE 3/4" = 1'-0"

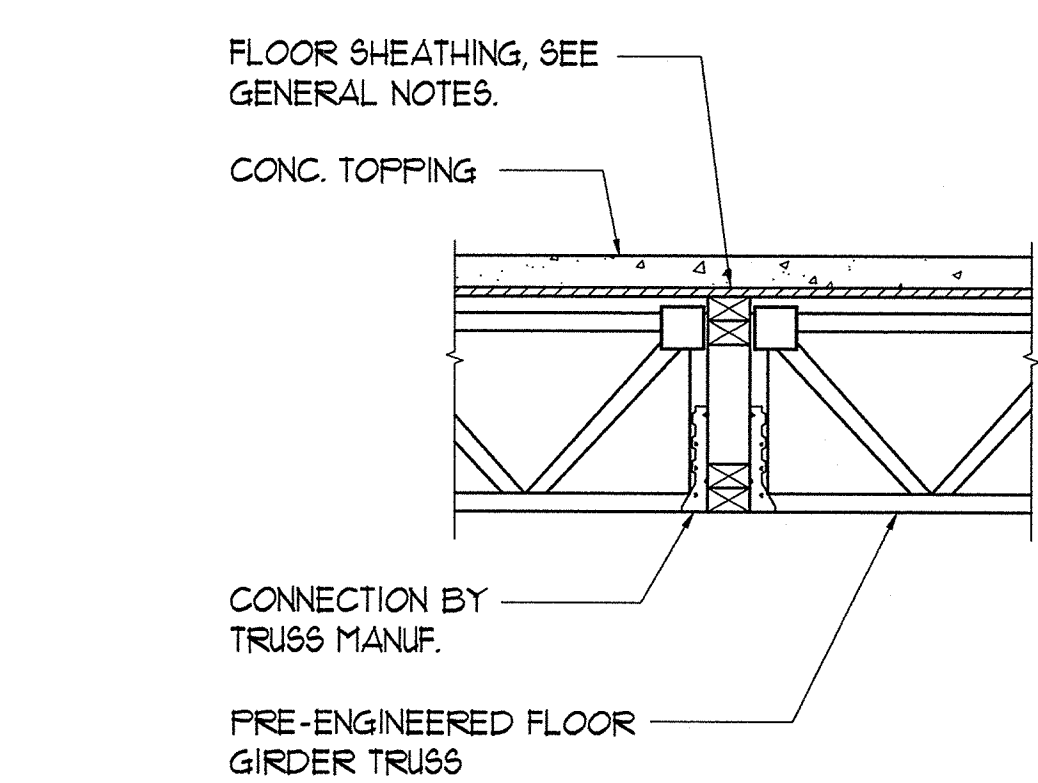


TYPICAL WALL AT BREEZEWAY

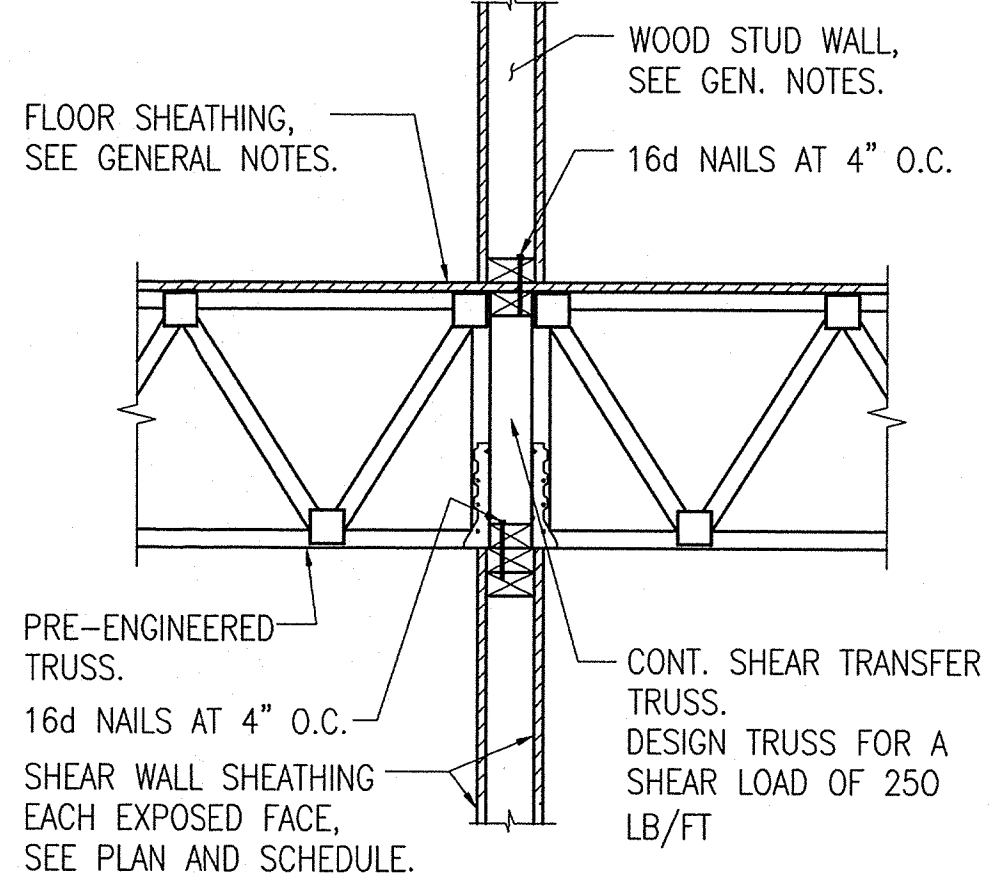
**7 SECTION**  
SCALE 3/4" = 1'-0"



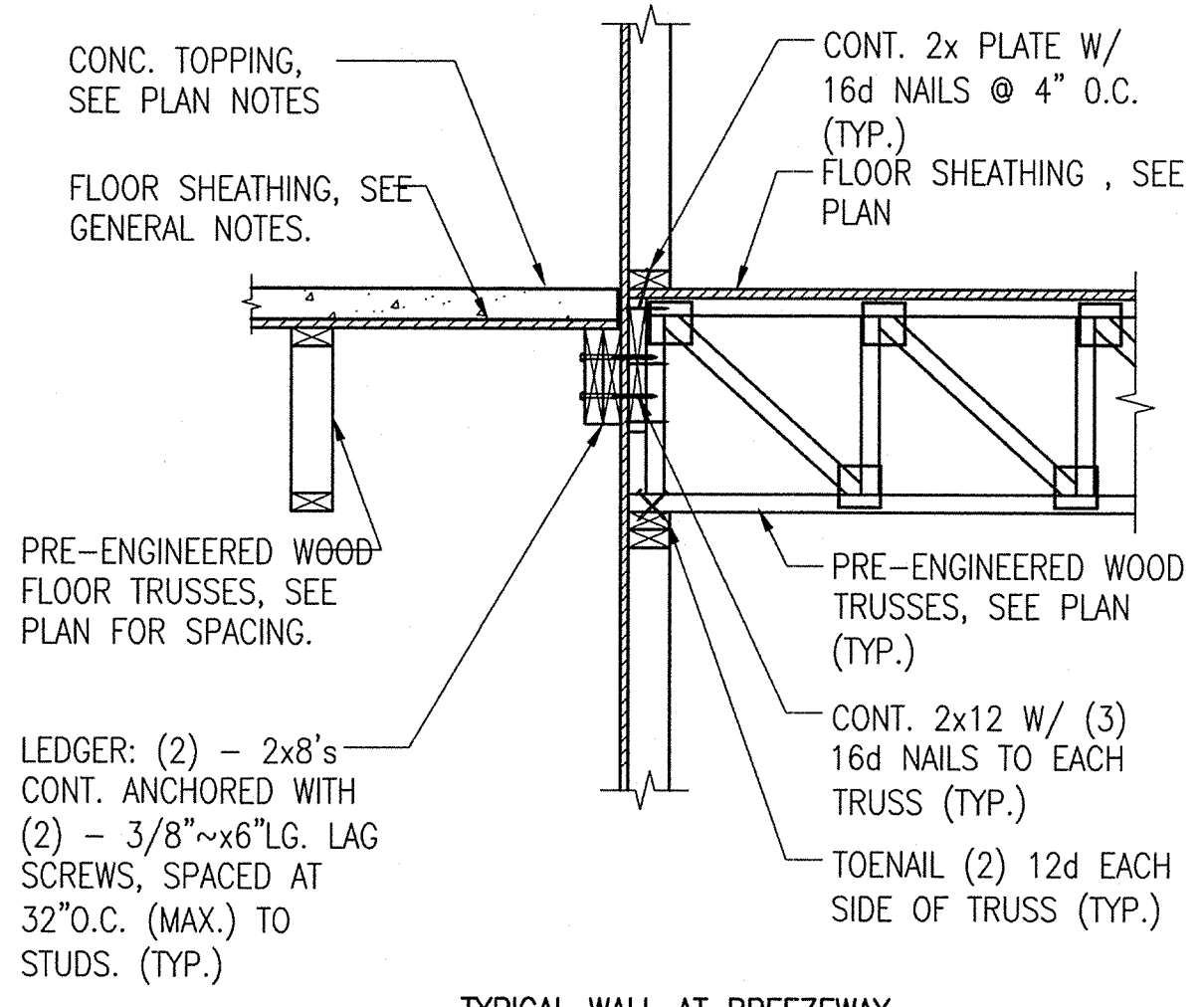
**8 SECTION (STAIR AT BREEZEWAY CONN.)**  
SCALE 3/4" = 1'-0"



**9 SECTION**  
SCALE 3/4" = 1'-0"



**10 SECTION**  
SCALE 3/4" = 1'-0"



**11 SECTION**  
SCALE 3/4" = 1'-0"



**12 SECTION**  
SCALE 3/4" = 1'-0"

**ASD**  
ADVANCED STRUCTURAL DESIGN  
To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010.  
1285 S. Semoran Blvd., Suite 1201, Winter Park, FL 32789  
Phone: 407-677-5836 - Fax: 407-677-5894  
Florida Engineering Business Number: 26893  
John M. Bailes, P.E. Florida No: 39923

**PERMIT REVIEW**

**SHEET NOTES:**  
**A** SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.  
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**REVISION HISTORY**

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**FUGLEBERG KOCH**  
P.L.L.C.  
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com AA26002103

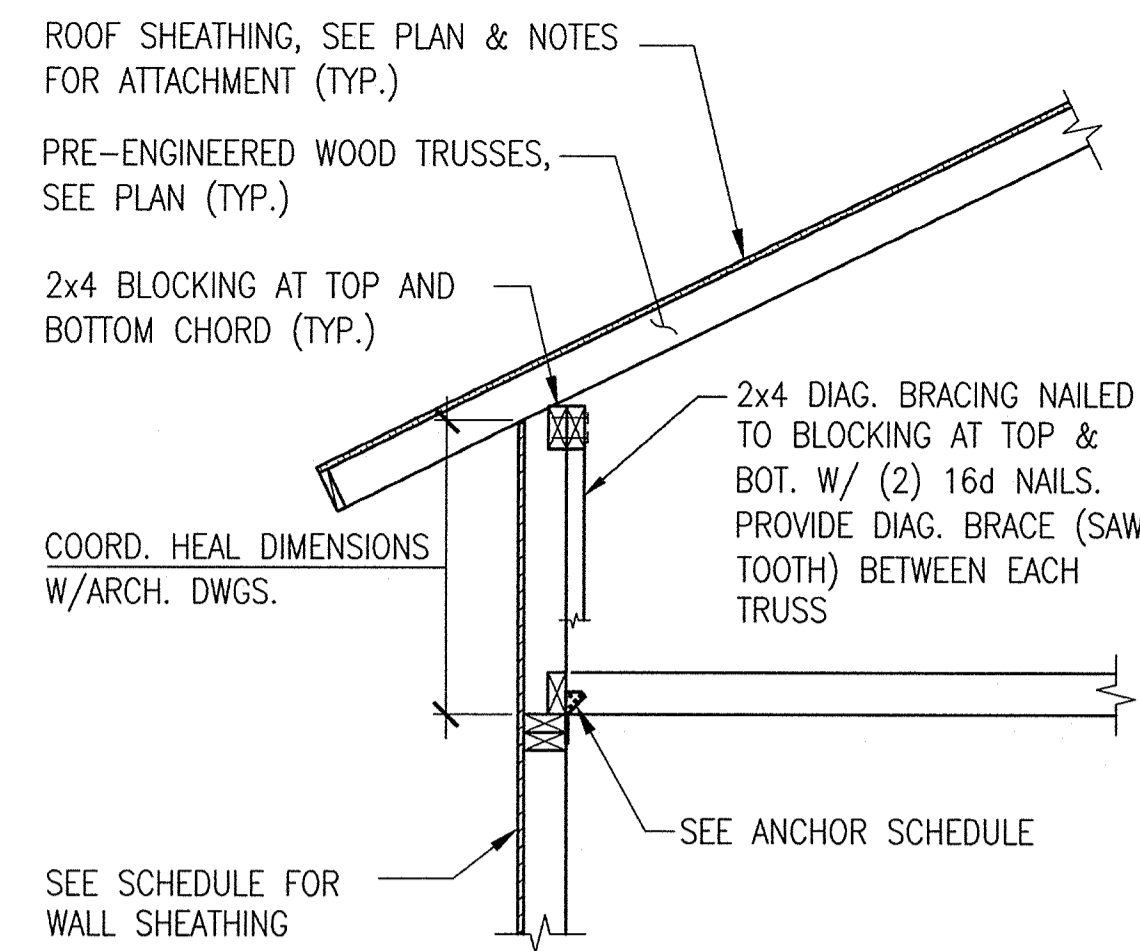
**LAKE COUNTY BUILDING DIVISION**  
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RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
Lake County, FL  
Drawn: LEB/HT/CLH  
Checked: CLH/JMB  
Approved: JMB  
Date: 11/15/2013  
Project #: 5169

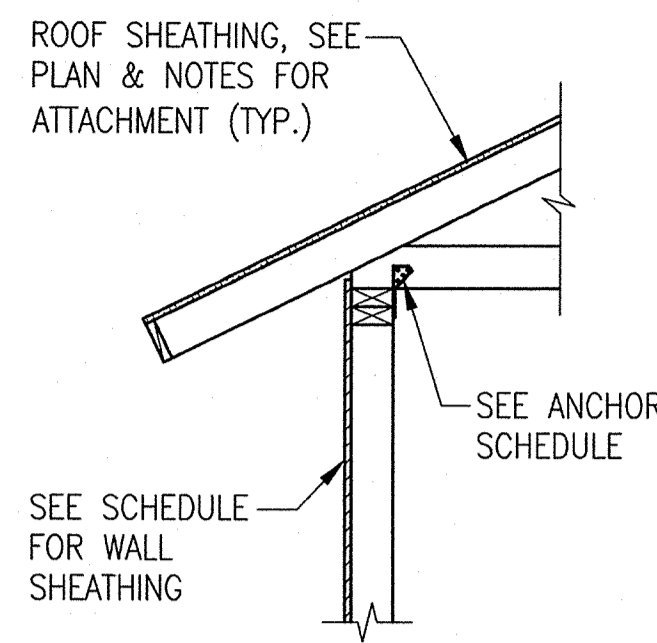
**SECTIONS AND DETAILS**  
S5.04

Engineer of Record: **John M. Bailes, P.E.** FL No: 39923  
  
 PLOTTED:

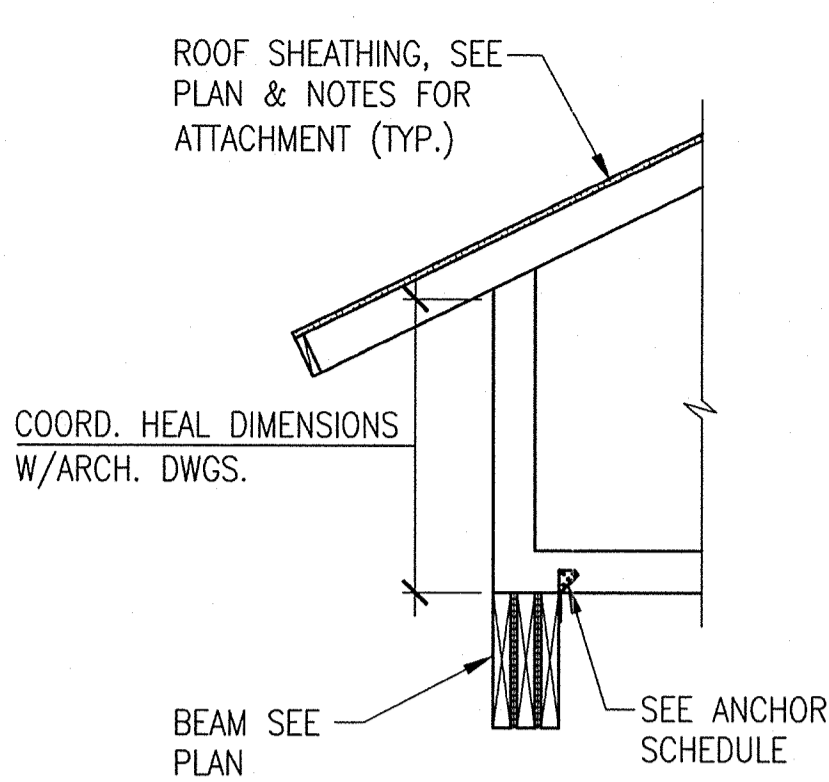




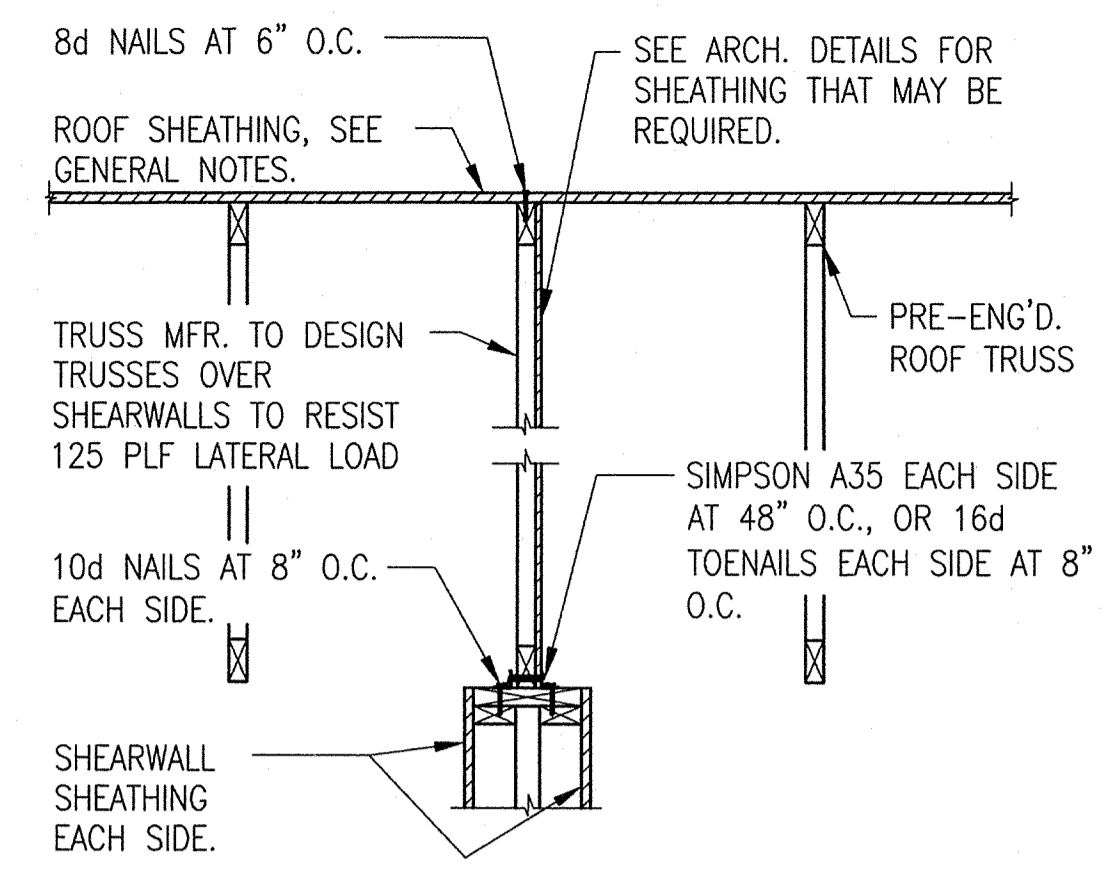
**1 SECTION**  
SCALE: 3/4" = 1'-0"



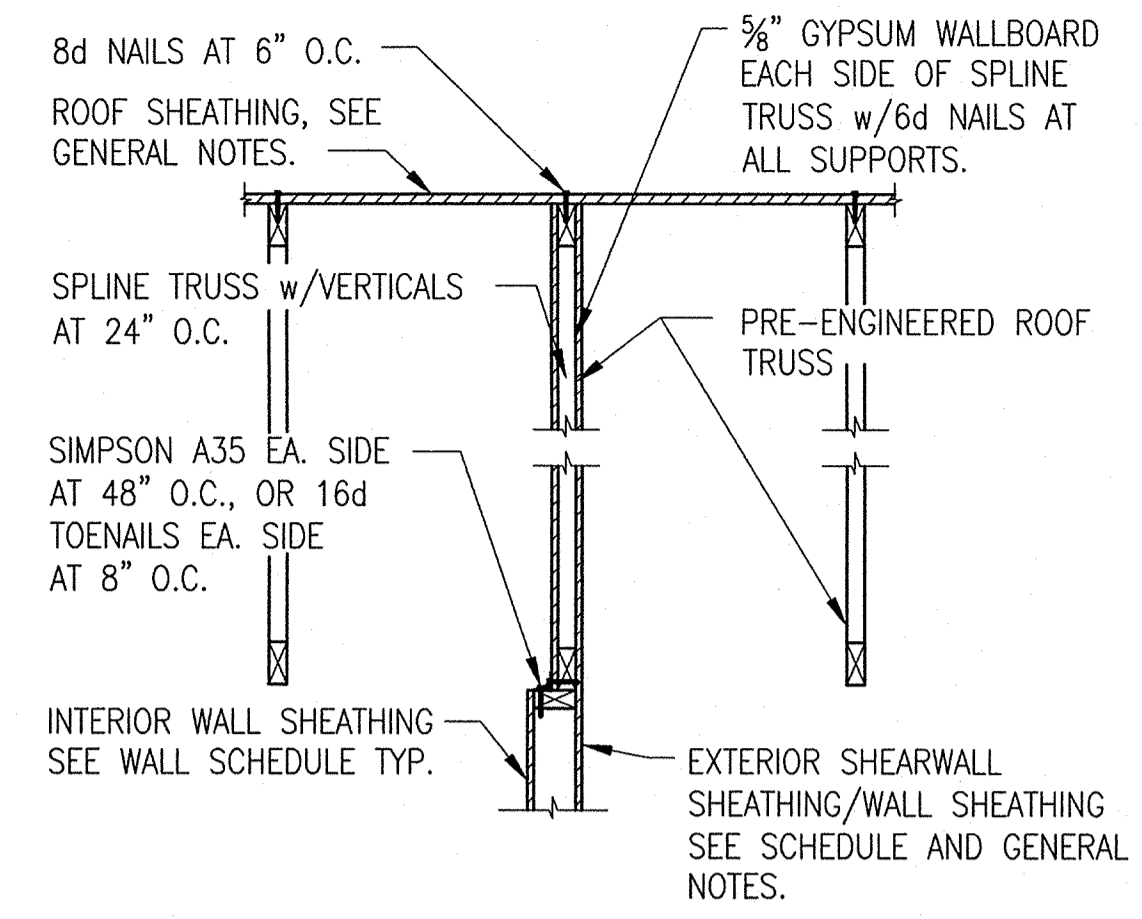
**2 SECTION**  
SCALE: 3/4" = 1'-0"



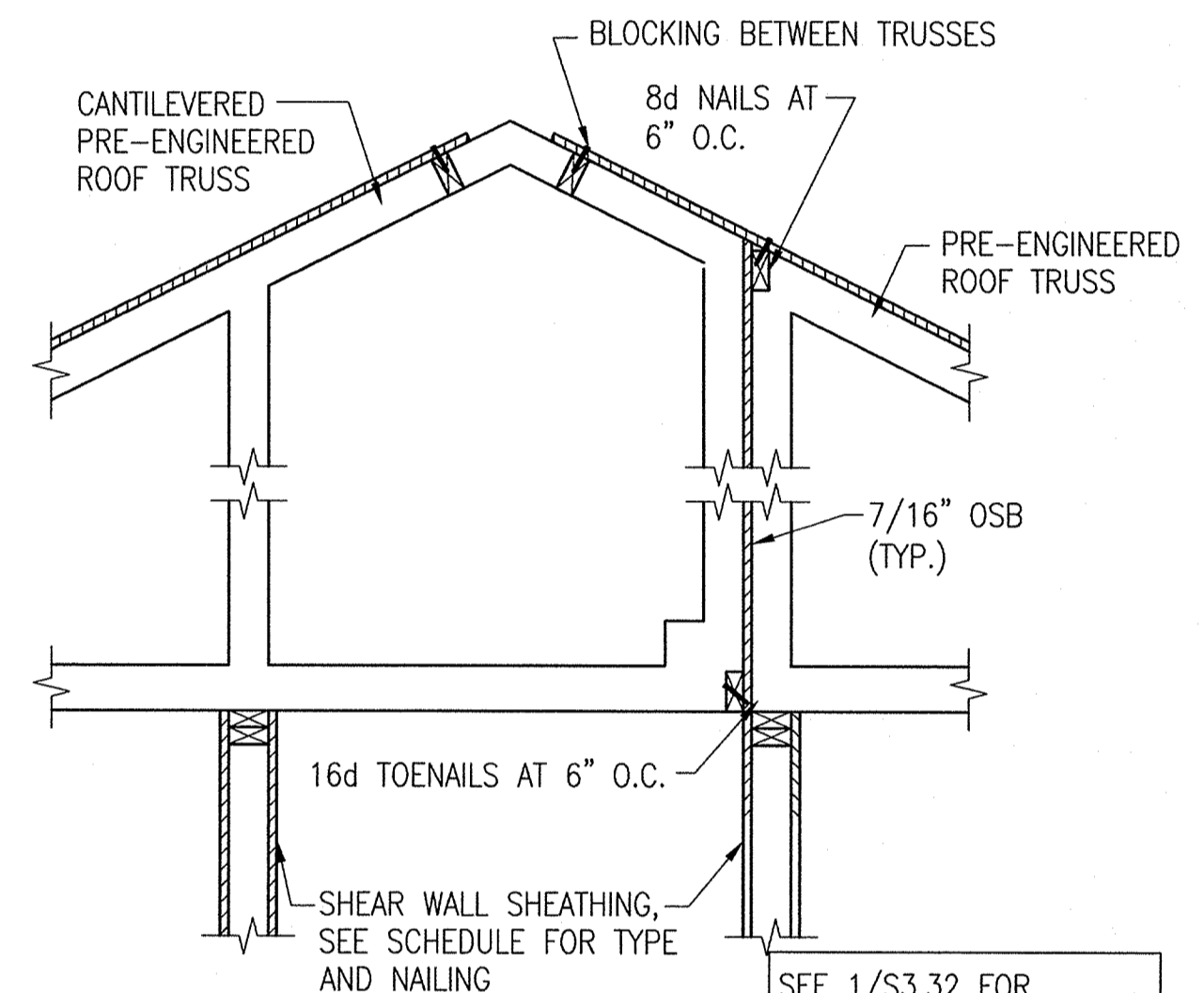
**3 SECTION**  
SCALE: 3/4" = 1'-0"



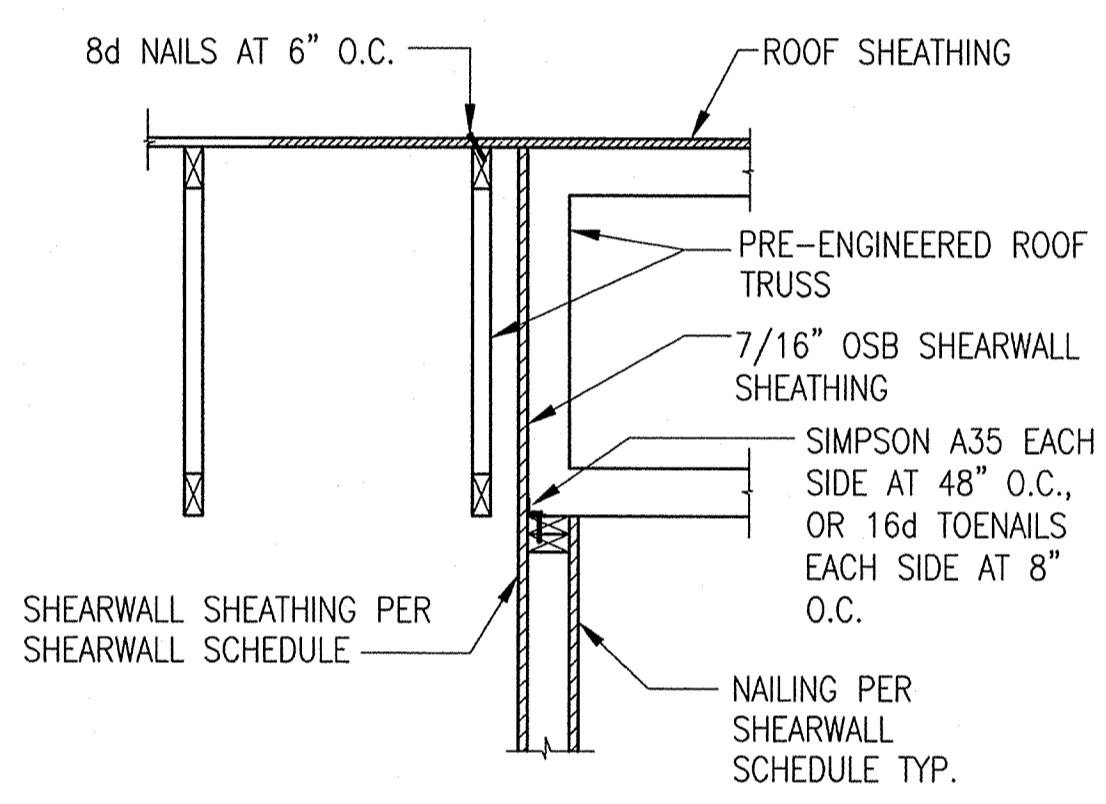
**4 SECTION**  
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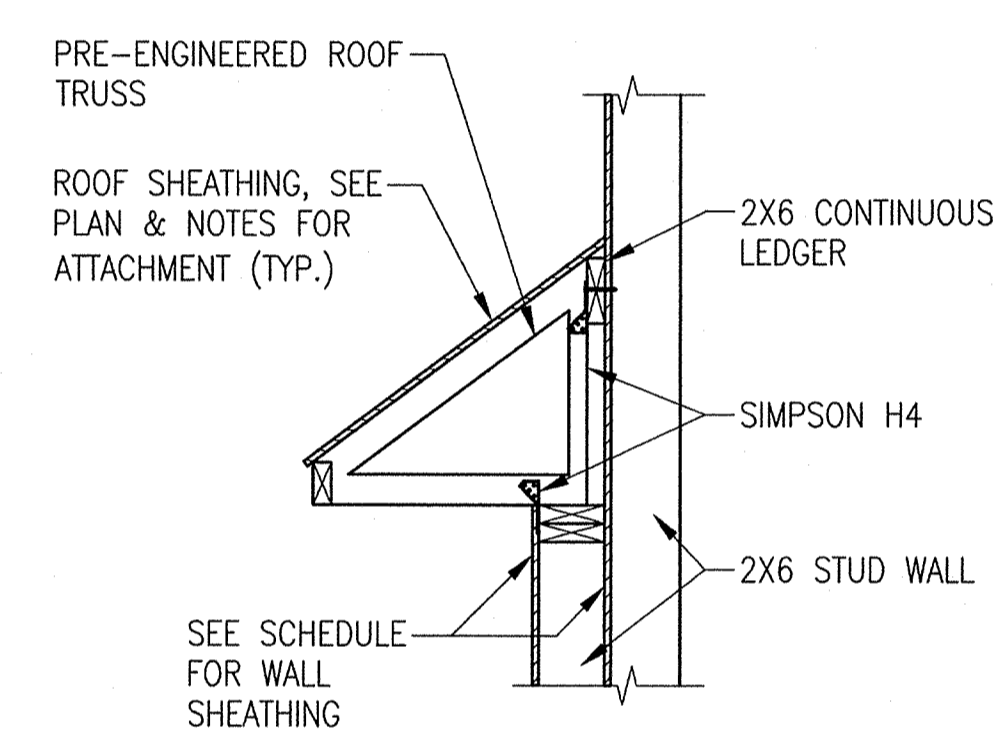
**5 SECTION**  
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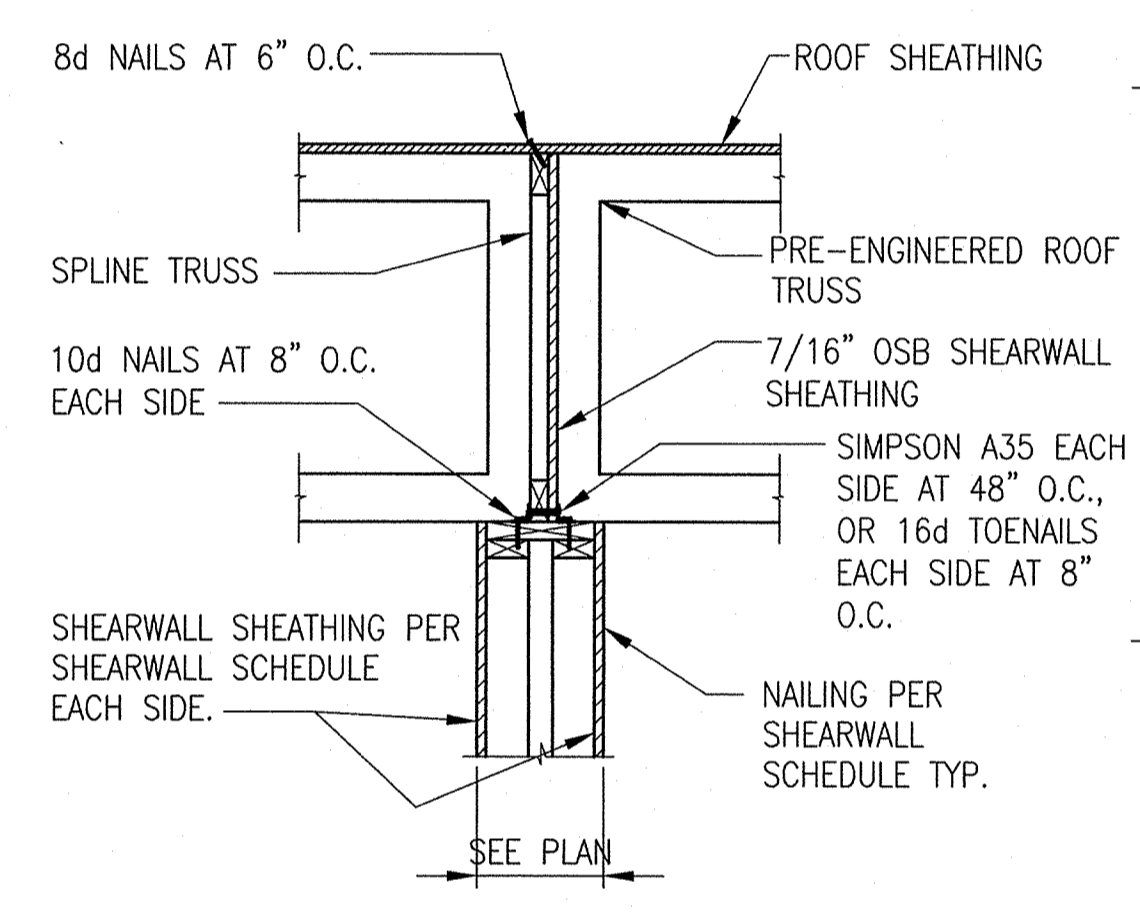
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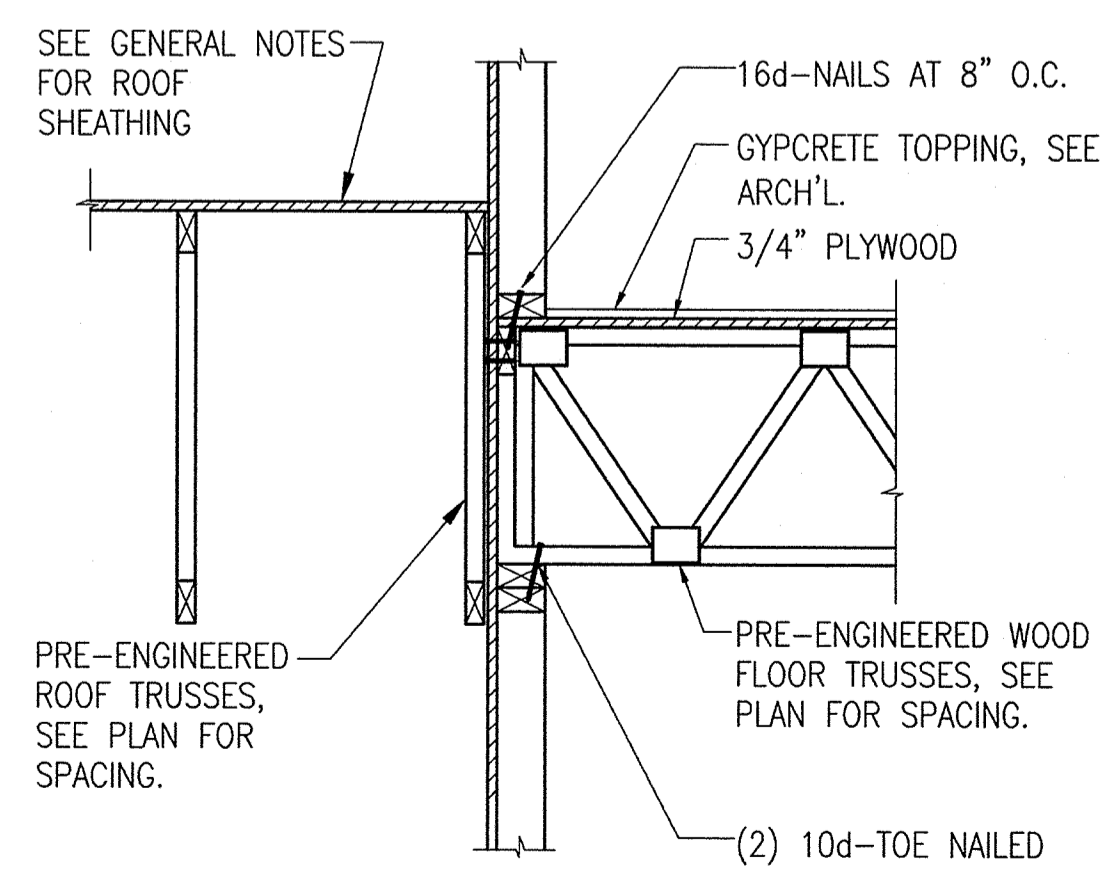
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**8 SECTION**  
SCALE: 3/4" = 1'-0"



**9 SECTION**  
SCALE: 3/4" = 1'-0"



**10 SECTION**  
SCALE: 3/4" = 1'-0"

**PERMIT REVIEW**

- SHEET NOTES:**
- [A] SEE SHEETS S1.01, S1.02, S1.03 & S1.04 FOR GENERAL STRUCTURAL NOTES.
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**FUGLEBERG KOCH**  
P.L.L.C.

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com AA26002103

**LAKE COUNTY BUILDING DIVISION**  
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RECEIVED DEC 04 2013

**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn: LEB/HT/CLH  
Checked: CLH/JMB  
Approval: JMB  
Date: 11/15/2013  
Project #: 5169

**SECTIONS AND DETAILS**

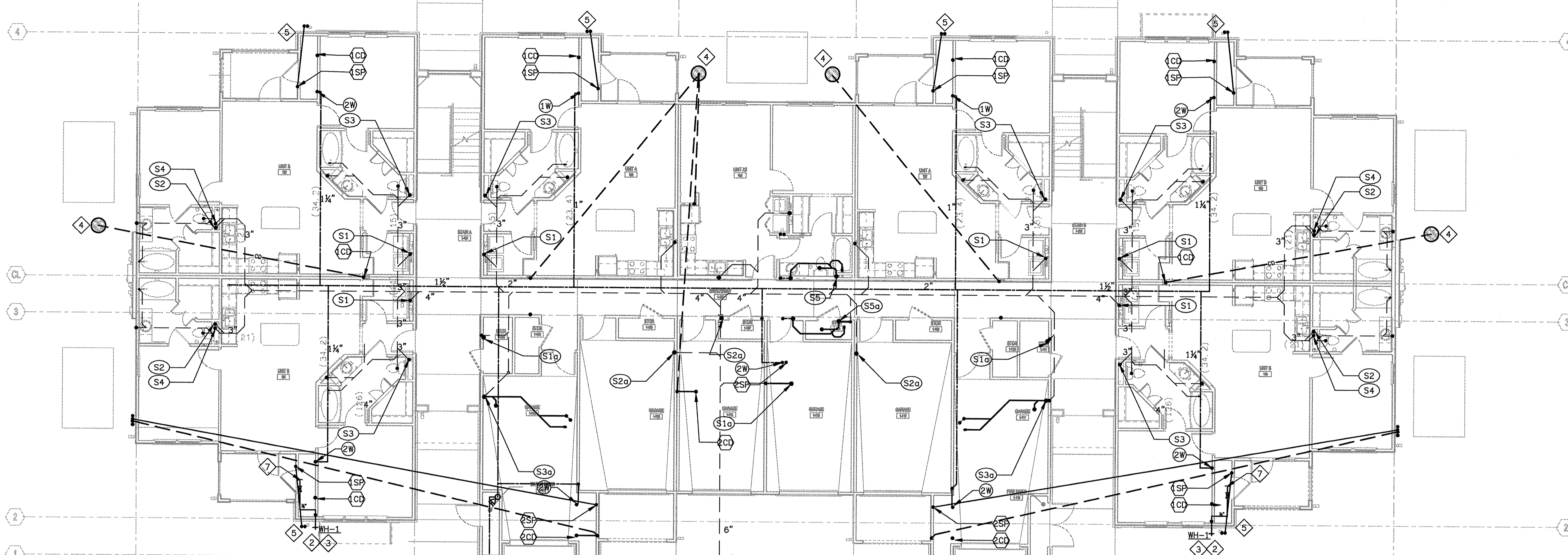
**\$5.05**

**ASD**  
ADVANCED STRUCTURAL DESIGN

To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010, 1265 S. Semoran Blvd., Suite 1201, Winter Park, FL 32782  
Phone: 407-677-5836 - Fax: 407-677-6894  
Florida Engineering Business Number: 25893  
John M. Bailes, P.E. Florida No: 39923

Engineer of Record: John M. Bailes, P.E. FL No: 39923

**JOHN M. BAILES**  
LICENSE  
No. 39923  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER



**BUILDING TYPE I - GROUND LEVEL - PLUMBING PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-P-BLDG

MIN PRESSURE REQUIRED = 64PSI.  
 FLOW TEST PENDING TO SEE IF A  
 BOOSTER PUMP IS REQUIRED.

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be  
 made to conform with the applicable code  
 requirements for Florida Building Code section  
 105.4.1. Plans were reviewed for code  
 compliance and shall be kept on job site.

RECEIVED DEC 04 2013

**ISSUE HISTORY**

No.	Date	Description
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**REVISION HISTORY**

No.	Date	Description

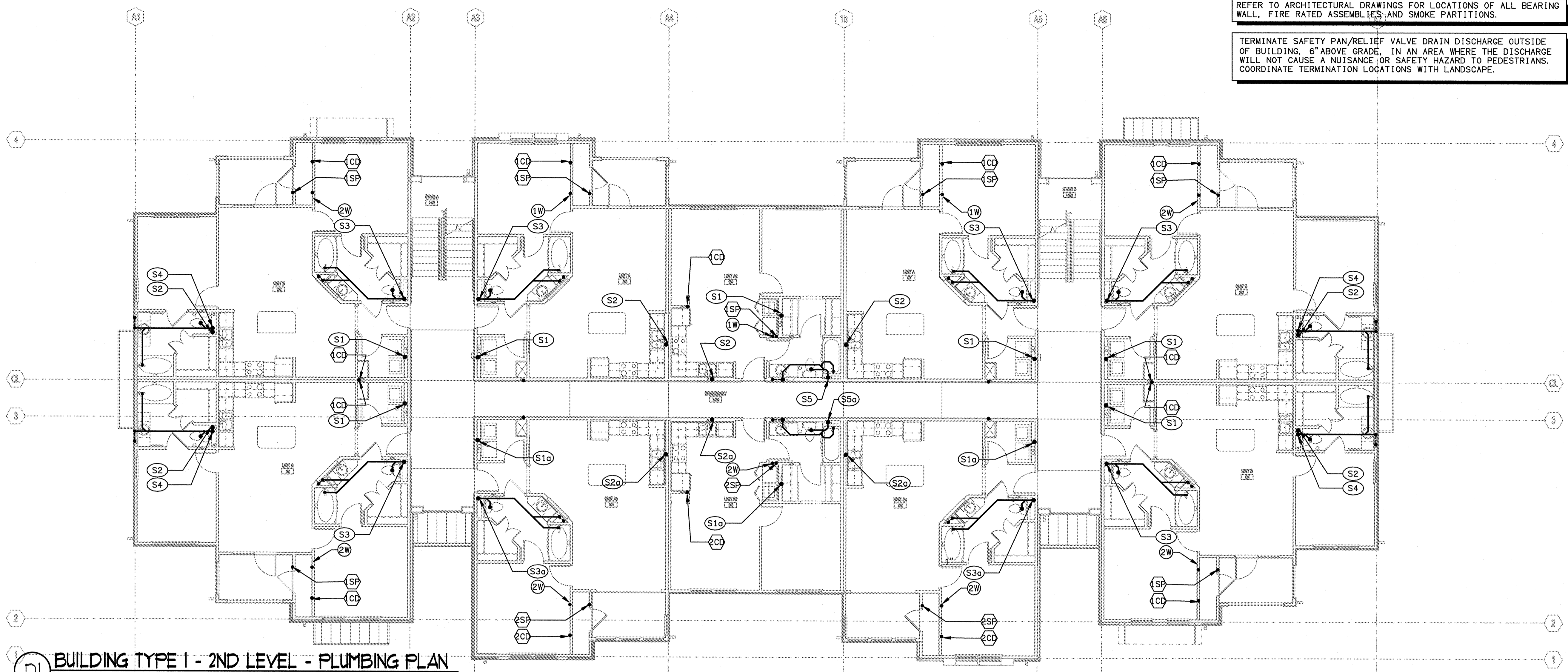
**FUGLEBERG KOCH**  
 PLLC  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT # 13036  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7900  
 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480 www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Date: GHK  
 Check: GHK  
 Appr: GHK  
 Date: 09-05-2013  
 Project #: 5109

**BUILDING TYPE 1 GROUND LEVEL PLUMBING PLAN** P2.01

LAKE COUNTY BUILDING DIVISION  
 ENGINEER OF RECORD  
 13061-P-BLDG  
 GREG H. KLEBANOFF  
 No. 46919  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER



**DI BUILDING TYPE 1 - 2ND LEVEL - PLUMBING PLAN**  
 SCALE: 1/8" = 1'-0"  
 B2061-P-BLDG

REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL BEARING WALL, FIRE RATED ASSEMBLIES AND SMOKE PARTITIONS.

TERMINATE SAFETY PAN/RELIEF VALVE DRAIN DISCHARGE OUTSIDE OF BUILDING, 6" ABOVE GRADE, IN AN AREA WHERE THE DISCHARGE WILL NOT CAUSE A NUISANCE OR SAFETY HAZARD TO PEDESTRIANS. COORDINATE TERMINATION LOCATIONS WITH LANDSCAPE.

ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

REVISION HISTORY		
No.	Date	Description

- 1 DOMESTIC WATER SERVICE BELOW GRADE MINIMUM DEPTH 42". OUT TO METER VAULT AS SHOWN IN CIVIL DRAWINGS. REFER TO CIVIL DRAWINGS FOR COORDINATION AND CONTINUATION.
- 2 1/2" CW DN. TO WH-1. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION.
- 3 WH-1 WITH SHUT-OFF VALVE, HOSE END CONNECTION AND VACUUM BREAKER.
- 4 CONDENSATE DRAIN DRYWELL. REFER TO PLUMBING SCHEDULE SHEETS FOR DETAIL. LOCATE DRYWELL IN LANDSCAPE AREA. COORDINATE EXACT LOCATION WITH LANDSCAPE DRAWINGS.
- 5 1 1/2" SAFETY PAN DRAIN TERMINATION. REFER TO DETAIL SHEET FOR TERMINATION DETAILS. (TYPICAL).
- 6 SANITARY WASTE PIPING BELOW GRADE, REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 7 1/2" CW, EXTEND AND CONNECT TO WATER LINE SERVING THIS UNIT.
- 8 DOMESTIC WATER SERVICE RISER WITH SHUT-OFF VALVE LOW ON RISER.
- 9 PROVIDE HEAT TAPE FOR PIPING ABOVE CEILING CROSSING CORRIDOR. EXTEND HEAT TAPE TO 2'-0" BEYOND HEATED SPACE OVER UNIT.

LAKE COUNTY BUILDING DIVISION  
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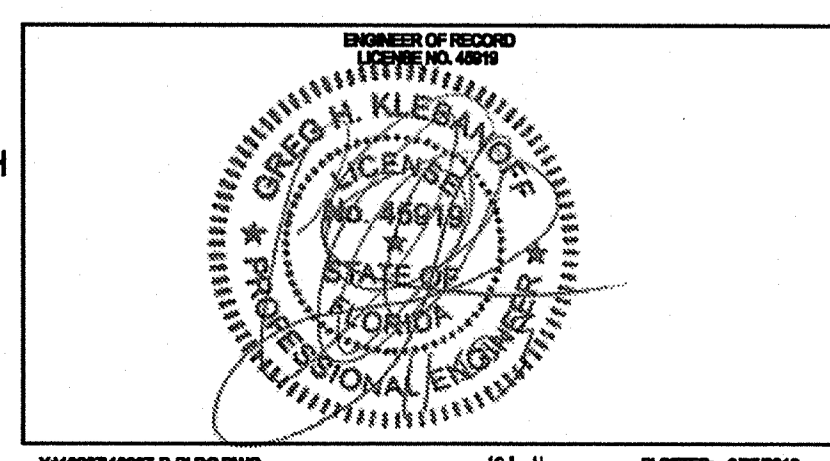
RECEIVED DEC 04 2013

**FUGLEBERG KOCH**  
 PLLC

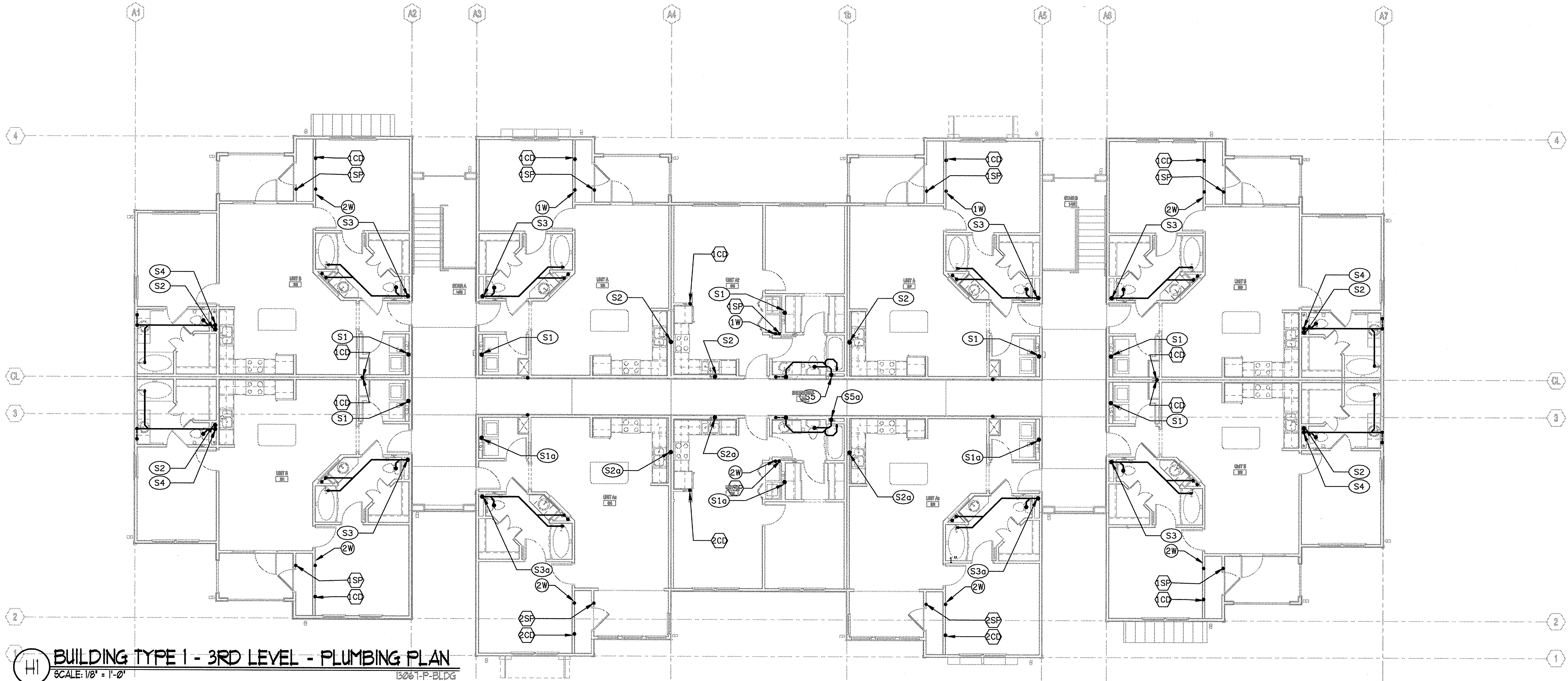
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0593  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13038  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7800  
 LEESBURG, VA 20176  
 604 S. KING ST, SUITE 007  
 PH: 703.840.0490 www.ktdengineers.com

<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: GHK
	Checked: GHK
<b>BUILDING TYPE 1 2ND LEVEL PLUMBING PLAN</b>	Approved: GHK
	Date: 08-05-2013
<b>P2.02</b>	Project: 5198



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**BUILDING TYPE I - 3RD LEVEL - PLUMBING PLAN**  
 SCALE: 1/8" = 1'-0"  
 15061-P-BLDG

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
P.L.L.C.

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com 4426002103

**KTD Consulting Engineers** PROJECT #: 13036  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7800  
 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480  
 www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
 Lake County, FL

Drawn:	GHK
Checked:	GHK
Approved:	GHK
Date:	08-05-2013
Project #:	5168

**BUILDING TYPE 1  
 3RD LEVEL  
 PLUMBING PLAN**

**P2.03**

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

ENGINEER OF RECORD  
 (17777) No. 48919

**GREG H. KLEB, P.E.**  
 LICENSE  
 No. 48919  
 STATE OF  
 FLORIDA  
 PROFESSIONAL ENGINEER

RECEIVED DEC 04 2013

**BUILDING TYPE 2 - GROUND LEVEL - PLUMBING PLAN**  
 SCALE: 1/8" = 1'-0"  
 2061-P-BLDG


MIN PRESSURE REQUIRED = 64PSI.  
 FLOW TEST PENDING TO SEE IF A  
 BOOSTER PUMP IS REQUIRED.

6" 4" ECO-1  
 (2-WAY)  
 (268 DFU)

ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
REVISION HISTORY		
No.	Date	Description



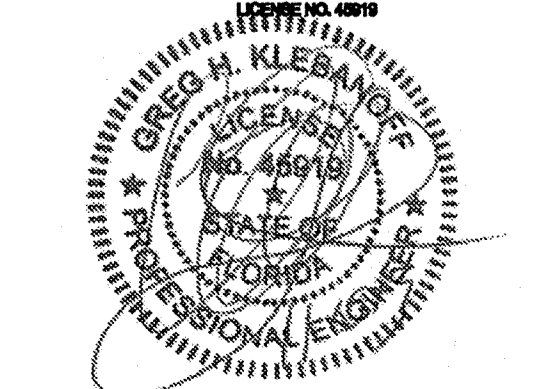
2555 Temple Trail, Winter Park, FL 32789 (407) 620-0395  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13039  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7600  
 LEESBURG, VA 20178  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480  


<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: GHK
	Checked: GHK
	Approved: GHK
	Date: 08-05-2013
Project #: 5189	

<b>BUILDING TYPE 2 GROUND LEVEL PLUMBING PLAN</b>	<b>P2.05</b>
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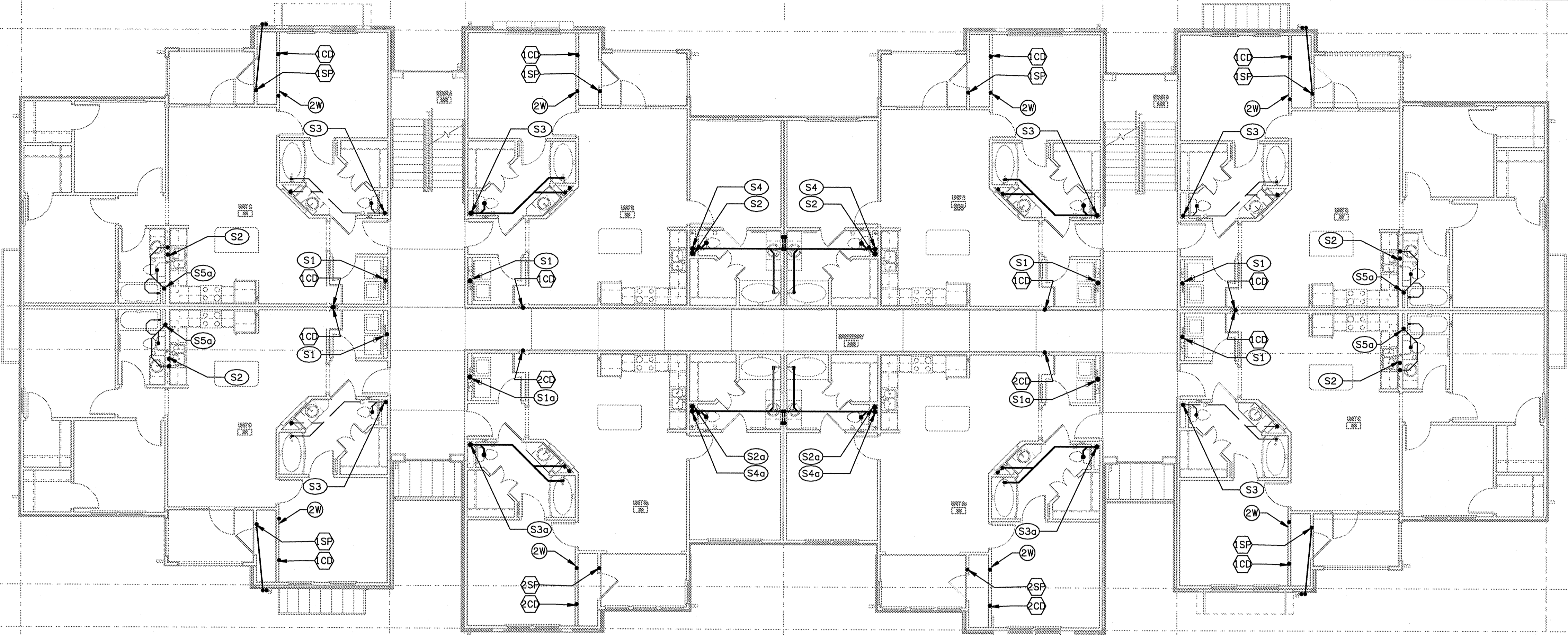
LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be  
 made to conform with the applicable code  
 requirements per Florida Building Code section  
 105.4.1. Plans were reviewed for code  
 compliance and shall be kept on job 5/2.

RECEIVED DEC 04 2013  
  
 20130813007-P-BLDG.DWG 12'-11" PLOTTER: 8/27/2013 2:50 PM

REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL BEARING WALL, FIRE RATED ASSEMBLIES AND SMOKE PARTITIONS.

TERMINATE SAFETY PAN/RELIEF VALVE DRAIN DISCHARGE OUTSIDE OF BUILDING, 6" ABOVE GRADE, IN AN AREA WHERE THE DISCHARGE WILL NOT CAUSE A NUISANCE OR SAFETY HAZARD TO PEDESTRIANS. COORDINATE TERMINATION LOCATIONS WITH LANDSCAPE.

**DI BUILDING TYPE 2 - 2ND LEVEL - PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"  
13061-P-BLDG



- 1 DOMESTIC WATER SERVICE BELOW GRADE MINIMUM DEPTH 42". OUT TO METER VAULT AS SHOWN IN CIVIL DRAWINGS. REFER TO CIVIL DRAWINGS FOR COORDINATION AND CONTINUATION.
- 2 1/2" CW DN. TO WH-1. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION.
- 3 WH-1 WITH SHUT-OFF VALVE, HOSE END CONNECTION AND VACUUM BREAKER
- 4 CONDENSATE DRAIN DRYWELL. REFER TO PLUMBING SCHEDULE SHEETS FOR DETAIL. LOCATE DRYWELL IN LANDSCAPE AREA. COORDINATE EXACT LOCATION WITH LANDSCAPE DRAWINGS.
- 5 1 1/2" SAFETY PAN DRAIN TERMINATION. REFER TO DETAIL SHEET FOR TERMINATION DETAILS. (TYPICAL).
- 6 SANITARY WASTE PIPING BELOW GRADE, REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 7 1/2" CW. EXTEND AND CONNECT TO WATER LINE SERVING THIS UNIT.
- 8 DOMESTIC WATER SERVICE RISER WITH SHUT-OFF VALVE LOW ON RISER.
- 9 PROVIDE HEAT TAPE FOR PIPING ABOVE CEILING CROSSING CORRIDOR. EXTEND HEAT TAPE TO 2'-0" BEYOND HEATED SPACE OVER UNIT.

LAKE COUNTY BUILDING DIVISION  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
P.L.L.C.  
2155 Temple Trail, Winter Park, FL 32789 (407) 620-0595  
www.fuglebergkoch.com AA26002103

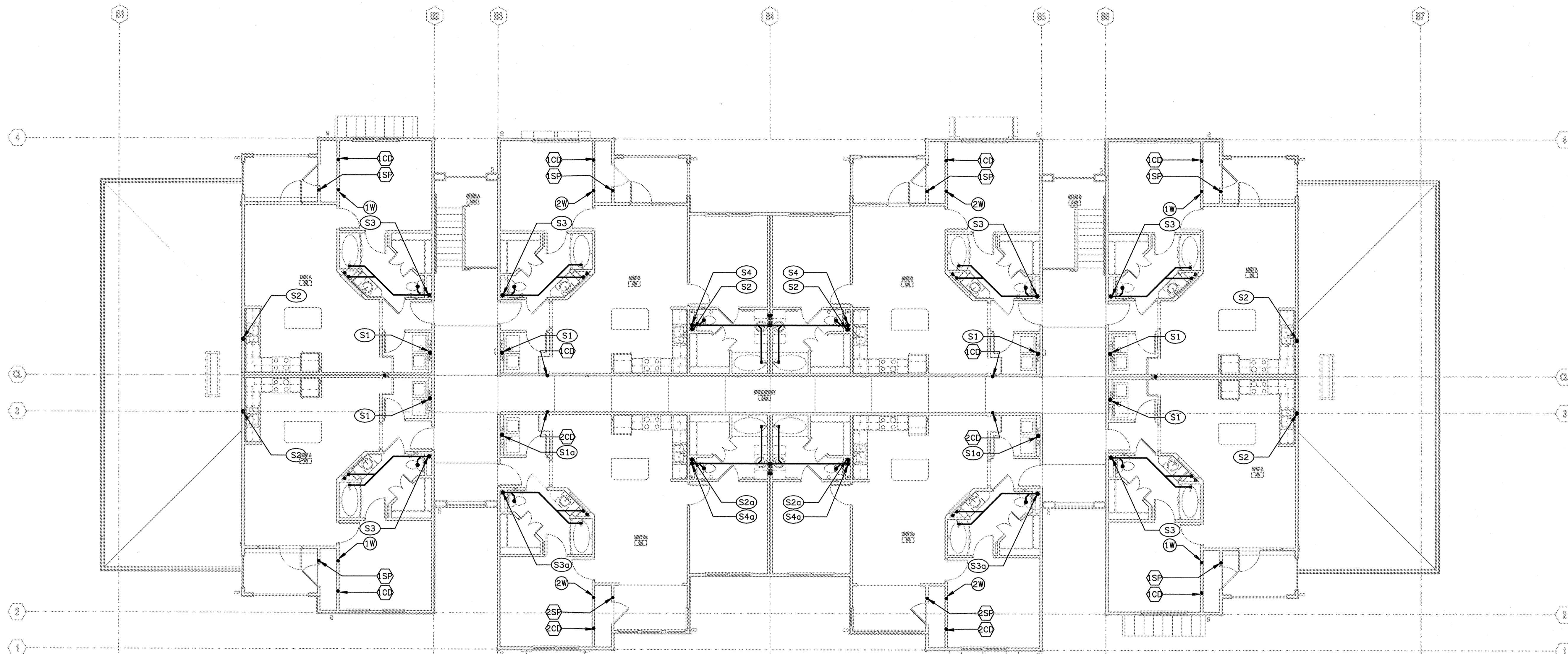
**KTD Consulting Engineers** PROJECT #: 13036  
ALAMONTE SPRINGS, FL 32714  
237 S. WEBBMONTE DRIVE  
PH: 407.834.7000  
LEESBURG, VA 20176  
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www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
Lake County, FL  
Drawn: GHK  
Checked: GHK  
Approved: GHK  
Date: 09-05-2013  
Project #: 5100

**BUILDING TYPE 2  
2ND LEVEL  
PLUMBING PLAN** P2.06

ENGINEER OF RECORD  
GREG H. KLEBANOFF  
LICENSED PROFESSIONAL ENGINEER  
No. 46618  
STATE OF FLORIDA  
P.L.L.C.  
LAKE COUNTY BUILDING DIVISION

RECEIVED DEC 04 2013



**BUILDING TYPE 2 - 3RD LEVEL - PLUMBING PLAN**  
 SCALE: 1/8" = 1'-0"  
 1306 T-P-BLDG

ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
REVISION HISTORY		
No.	Date	Description



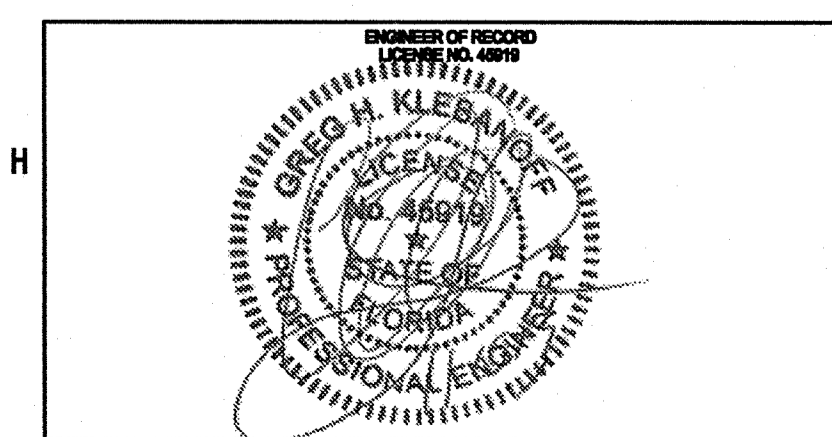
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0395  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13038  
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 LEESBURG, VA 20176  
 604 S. KING ST, SUITE 007  
 PH: 703.840.0480  
 www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Date: 08-05-2013  
 Project #: 5199

**BUILDING TYPE 2  
 3RD LEVEL  
 PLUMBING PLAN** P2.07

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.



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**HI BUILDING TYPE 3 - GROUND LEVEL - PLUMBING PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-F-BLDG

MIN PRESSURE REQUIRED = 64PSI.  
 FLOW TEST PENDING TO SEE IF A  
 BOOSTER PUMP IS REQUIRED.

4" ECO-1  
 (2-WAY)  
 (196 DFU)

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be  
 made to conform with the applicable code  
 requirements per Florida Building Code section  
 105.4.1. Plans were reviewed for code  
 compliance and shall be kept on job site.

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No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT


  

REVISION HISTORY		
No.	Date	Description



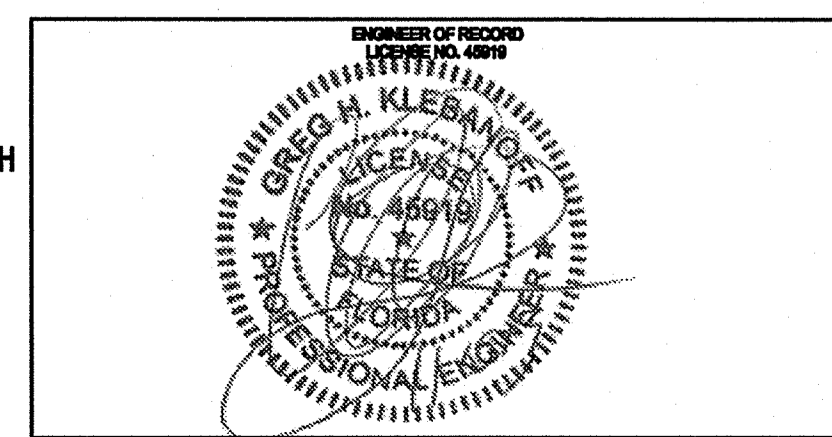
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13036  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7800  
 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480

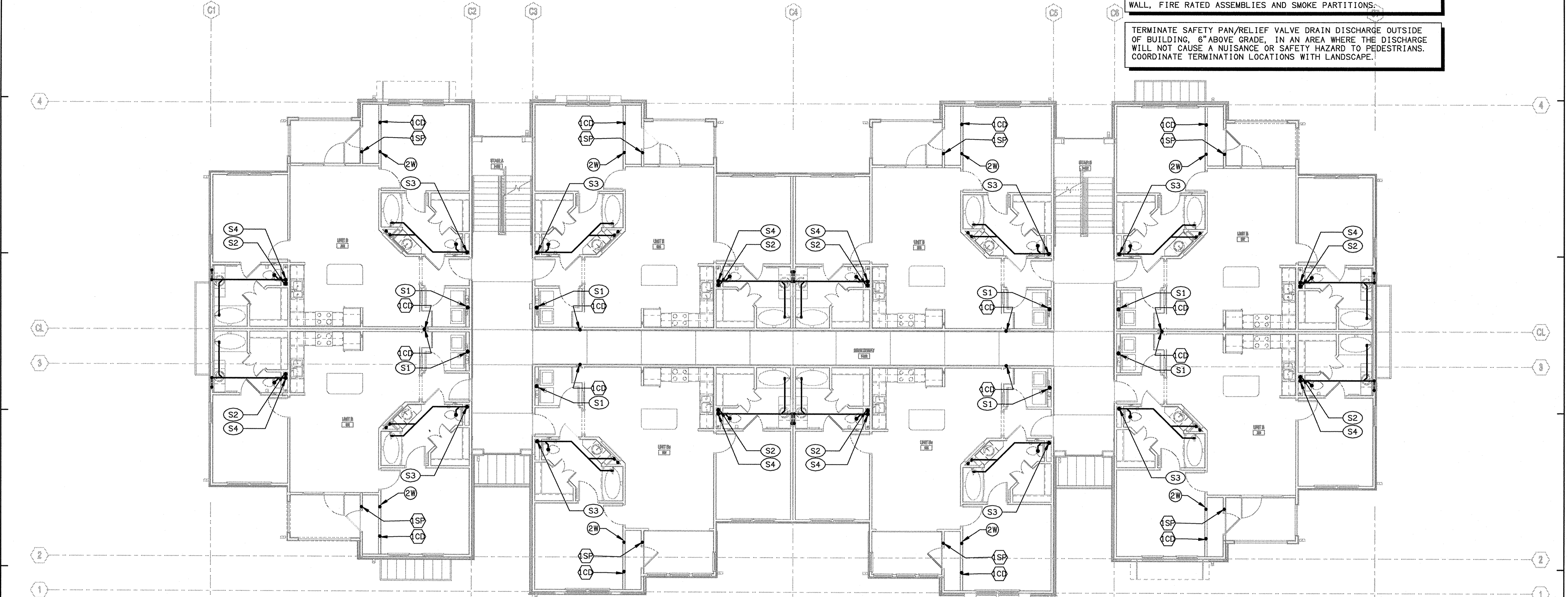


<b>SUMMER BAY APARTMENTS</b>	Drawn: GHK
Lake County, FL	Checked: GHK
	Approved: GHK
	Date: 09-05-2013
	Project #: 6189

<b>BUILDING TYPE 3 GROUND LEVEL PLUMBING PLAN</b>	<b>P2.09</b>
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REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL BEARING WALL, FIRE RATED ASSEMBLIES AND SMOKE PARTITIONS.

TERMINATE SAFETY PAN/RELIEF VALVE DRAIN DISCHARGE OUTSIDE OF BUILDING, 6" ABOVE GRADE, IN AN AREA WHERE THE DISCHARGE WILL NOT CAUSE A NUISANCE OR SAFETY HAZARD TO PEDESTRIANS. COORDINATE TERMINATION LOCATIONS WITH LANDSCAPE.


**DI BUILDING TYPE 3 - 2ND LEVEL - PLUMBING PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-P-BLDG

- 1 DOMESTIC WATER SERVICE BELOW GRADE MINIMUM DEPTH 42". OUT TO METER VAULT AS SHOWN IN CIVIL DRAWINGS. REFER TO CIVIL DRAWINGS FOR COORDINATION AND CONTINUATION.
- 2 1/2" CW DN. TO WH-1. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION.
- 3 WH-1 WITH SHUT-OFF VALVE, HOSE END CONNECTION AND VACUUM BREAKER
- 4 CONDENSATE DRAIN DRYWELL. REFER TO PLUMBING SCHEDULE SHEETS FOR DETAIL. LOCATE DRYWELL IN LANDSCAPE AREA. COORDINATE EXACT LOCATION WITH LANDSCAPE DRAWINGS.
- 5 1 1/2" SAFETY PAN DRAIN TERMINATION. REFER TO DETAIL SHEET FOR TERMINATION DETAILS. (TYPICAL).
- 6 SANITARY WASTE PIPING BELOW GRADE, REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 7 1/2" CW. EXTEND AND CONNECT TO WATER LINE SERVING THIS UNIT.
- 8 DOMESTIC WATER SERVICE RISER WITH SHUT-OFF VALVE LOW ON RISER.
- 9 PROVIDE HEAT TAPE FOR PIPING ABOVE CEILING CROSSING CORRIDOR. EXTEND HEAT TAPE TO 2'-0" BEYOND HEATED SPACE OVER UNIT. **FLUORESCENT LIGHT DIVISION**  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
REVISION HISTORY		
No.	Date	Description

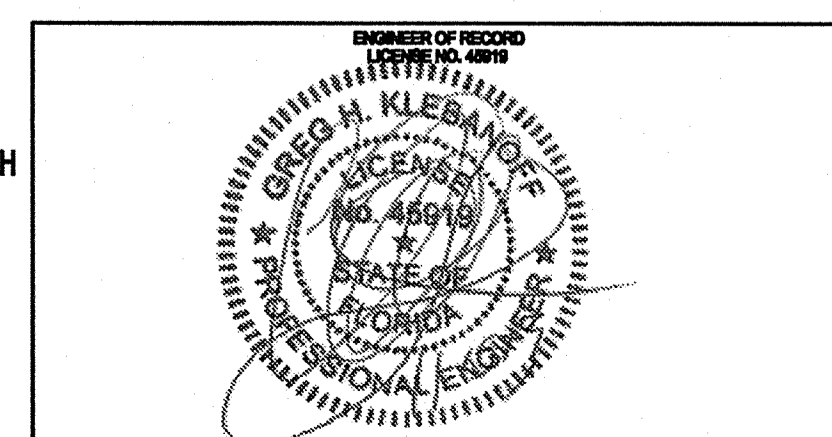


2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com 4426002103

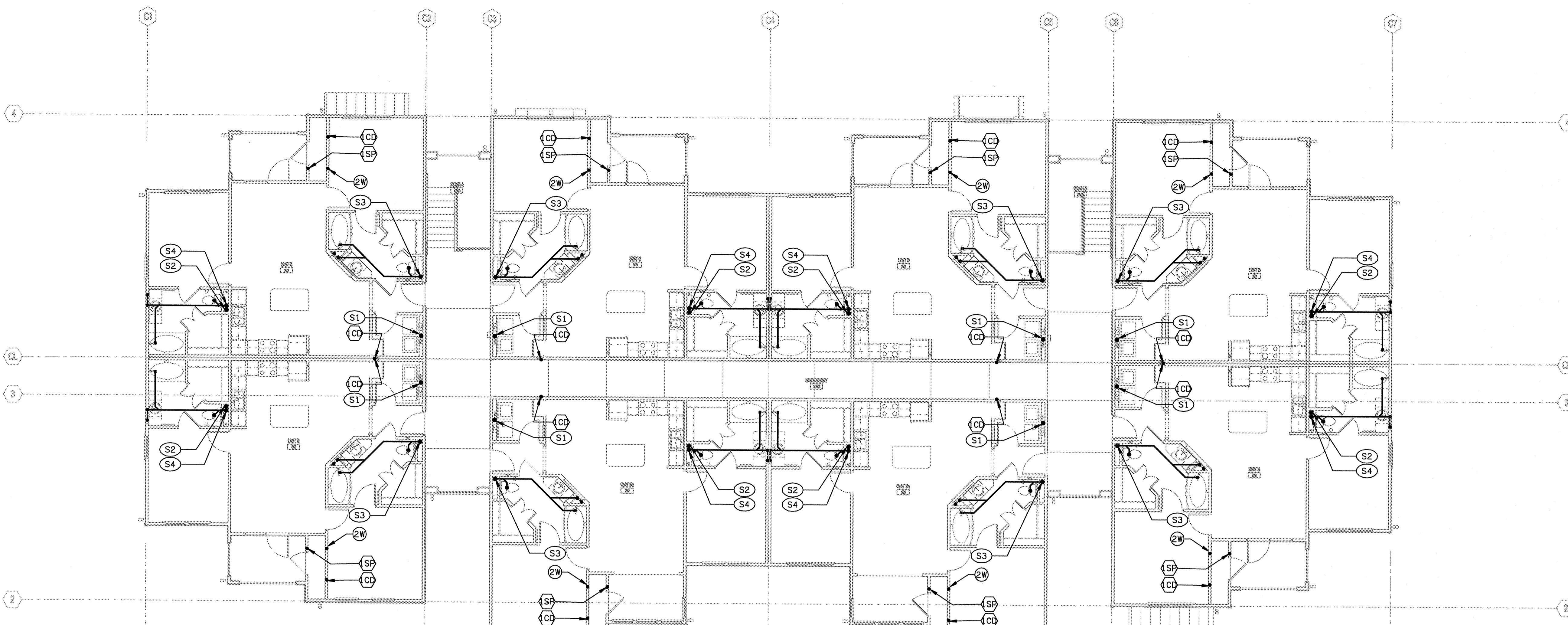
**KTD Consulting Engineers** PROJECT # 13038  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7900  
 LEESBURG, VA 20176  
 604 S. KING ST, SUITE 007  
 PH: 703.840.0480  


**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Designer: GHK  
 Checker: GHK  
 Approver: GHK  
 Date: 09-05-2013  
 Project #: 6189

**BUILDING TYPE 3  
 2ND LEVEL  
 PLUMBING PLAN** P2.10



RECEIVED DEC 04 2013



**BUILDING TYPE 3 - THIRD LEVEL - PLUMBING PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-P-BLDG

ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

REVISION HISTORY		
No.	Date	Description



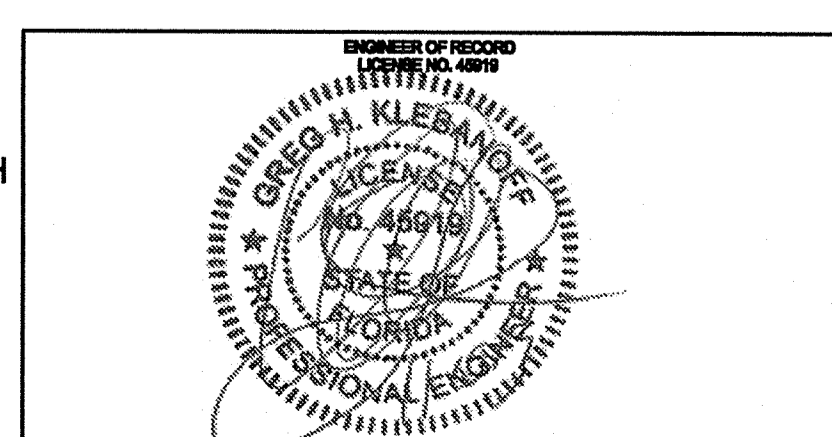
2555 Temple Trail, Winter Park, FL 32789 (407) 639-0595  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13036  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.634.7800  
 LEESBURG, VA 20178  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0490  
 www.ktdengineers.com

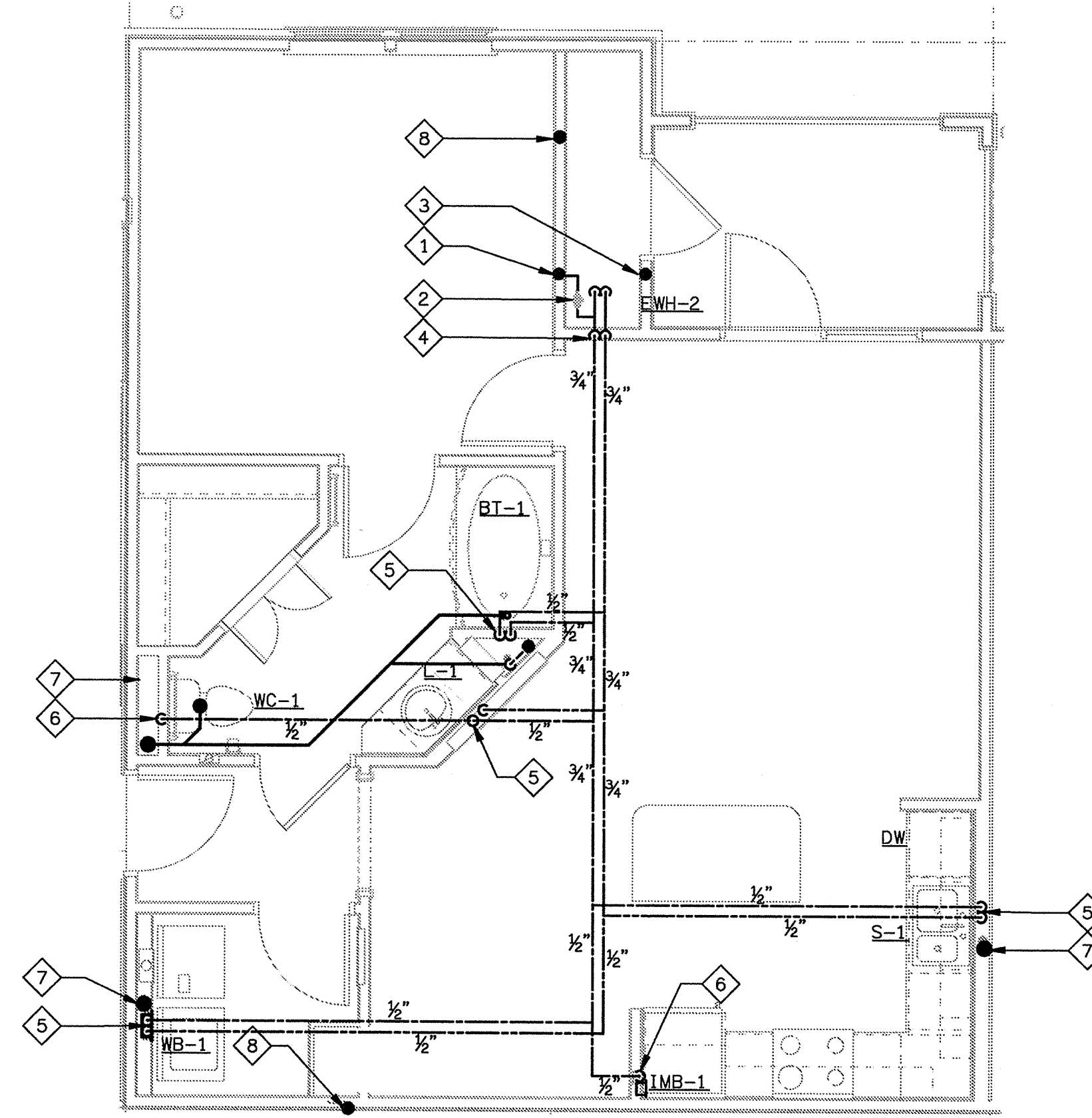
**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Date: 08-05-2013  
 Project #: 5100

**BUILDING TYPE 3  
 3RD LEVEL  
 PLUMBING PLAN** P2.11

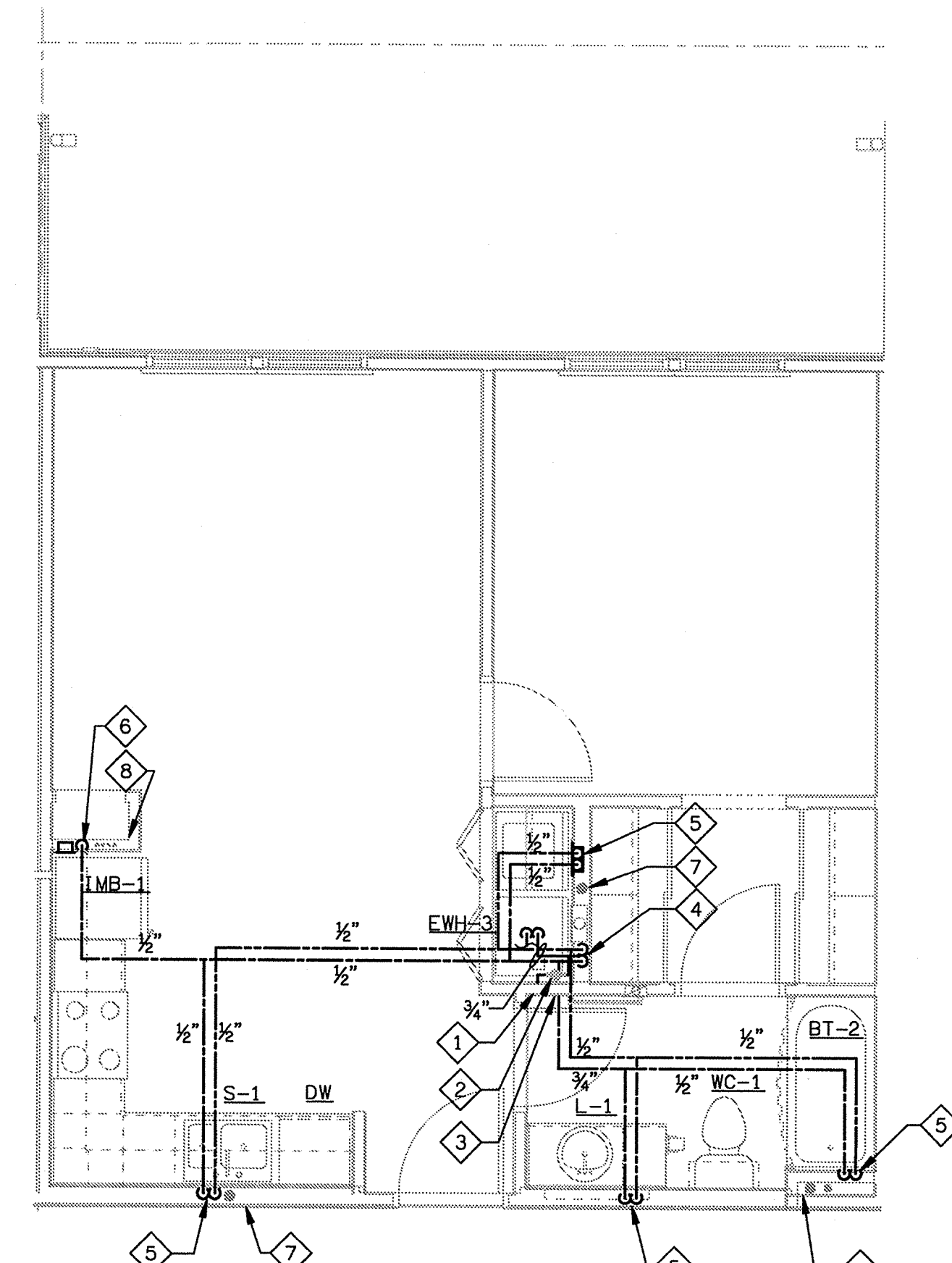
LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.



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**D6 UNIT A - PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"



**H6 UNIT A2 - PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"

**PLUMBING NOTES**

- 1 DOMESTIC WATER SERVICE RISER. REFER TO BUILDING PLUMBING PLANS FOR CONTINUATION.
- 2 UNIT'S SHUT-OFF VALVE IN AHU CLOSET SPACE. PROVIDE SPACE FOR UNIT WATER METER.
- 3 SAFETY PAN DRAIN RISER. REFER TO BUILDING PLUMBING PLANS FOR CONT.
- 4 3/4" CW & HW UP FROM WATER HEATER. REFER TO WATER HEATER DETAIL FOR PIPING INFORMATION.
- 5 1/2" CW & HW DN. IN WALL, CONNECT TO FIXTURE(S) AS REQUIRED.
- 6 1/2" CW DN. IN WALL, CONNECT TO FIXTURE(S) AS REQUIRED.
- 7 SANITARY WASTE STACK, REFER TO BUILDING PLUMBING PLAN FOR RISER DESIGNATION.
- 8 CONDENSATE DRAIN RISER. REFER TO BUILDING PLUMBING PLANS FOR CONTINUATION.
- 9 3/4" CW & HW DN. IN WALL, CONNECT TO FIXTURE(S) AS REQUIRED.

**LAKE COUNTY BUILDING DIVISION**  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description

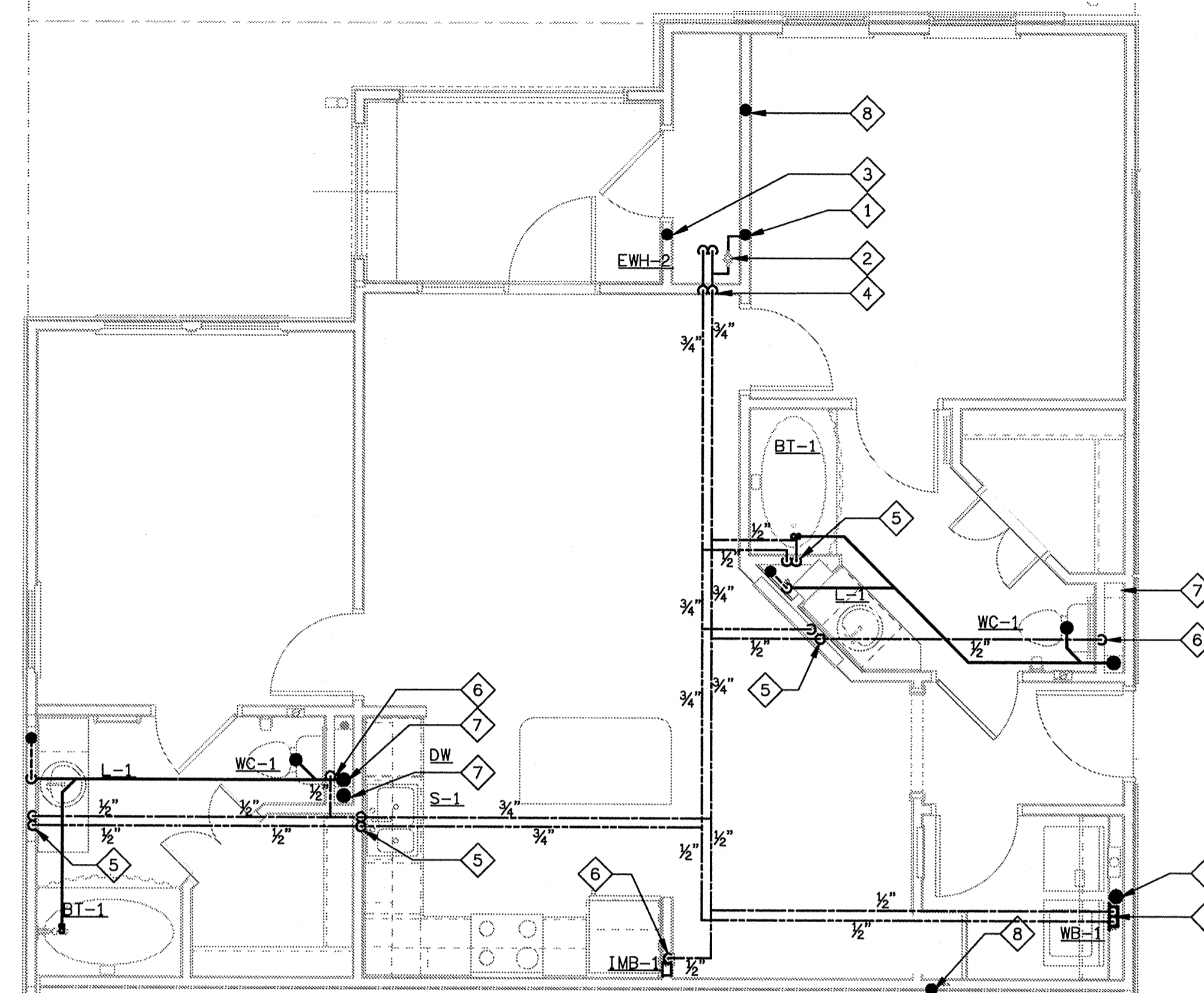
**FUGLEBERG KOCH**  
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2555 Temple Trail, Winter Park, FL 32789 (407) 629-0393  
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**KTD Consulting Engineers** PROJECT #: 13036  
ALTAMONTE SPRINGS, FL 32714  
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604 S. KING ST, SUITE 007  
PH: 703.840.0480 www.ktdengineers.com

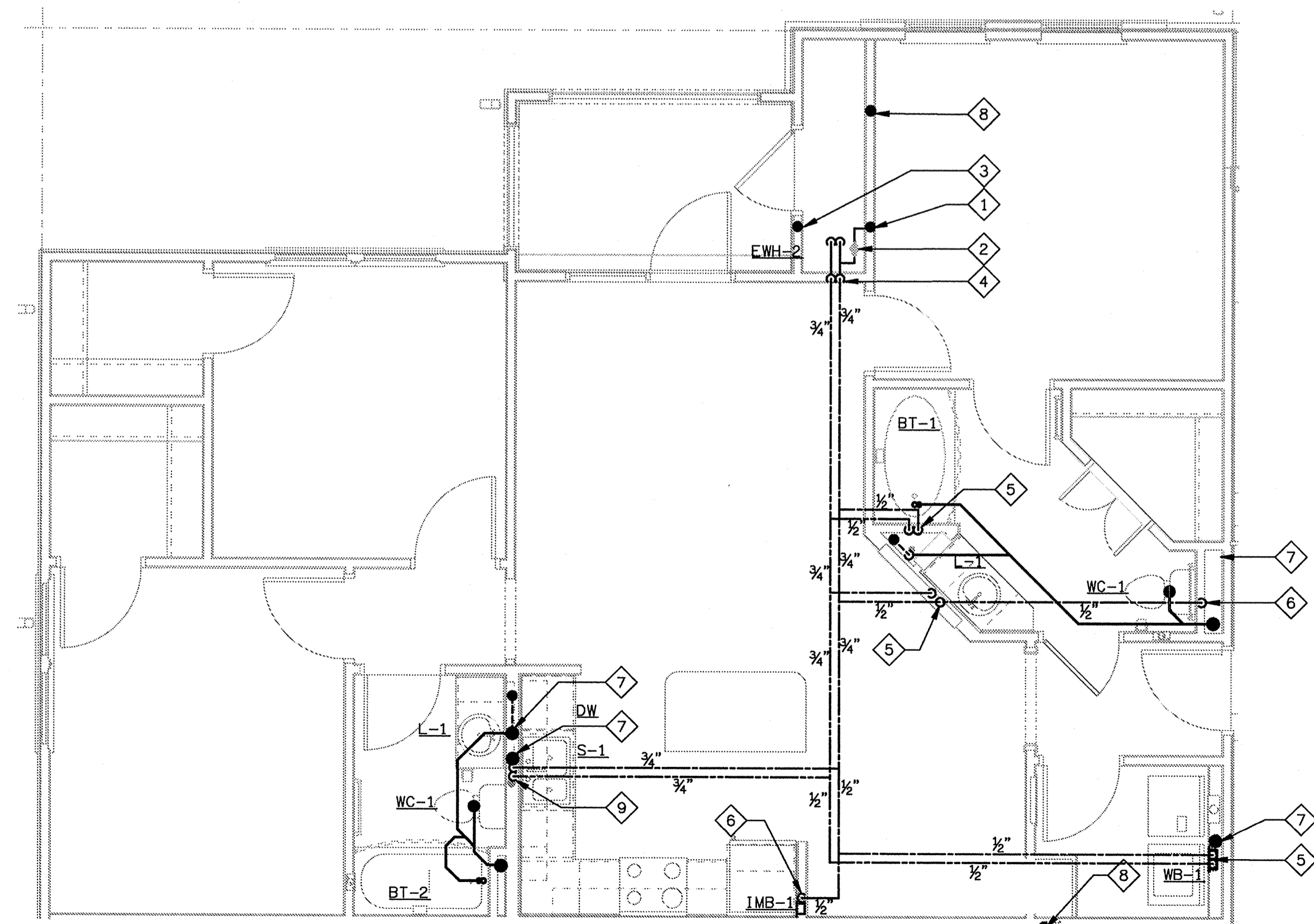
**SUMMER BAY APARTMENTS**  
Lake County, FL  
Drawn: GHK  
Checked: GHK  
Approved: GHK  
Date: 09-05-2013  
Project #: 5109

**UNIT A & A2 PLUMBING PLANS** P3.01

PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
NO. 46918  
GREG H. KLEBANOFF  
RECEIVED DEC 04 2013  
301500718007-P-UNIT2DWG 12'-11" PLOTTED: 9/27/2013 2:50 PM



**D6 UNIT B - PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"  
B061-P-UNIT



**D6 UNIT C - PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"  
B061-P-UNIT

**PLUMBING NOTES**

- 1 DOMESTIC WATER SERVICE RISER. REFER TO BUILDING PLUMBING PLANS FOR CONTINUATION.
- 2 UNIT'S SHUT-OFF VALVE IN AHU CLOSET SPACE. PROVIDE SPACE FOR UNIT WATER METER.
- 3 SAFETY PAN DRAIN RISER. REFER TO BUILDING PLUMBING PLANS FOR CONT.
- 4 3/4" CW & HW UP FROM WATER HEATER. REFER TO WATER HEATER DETAIL FOR PIPING INFORMATION.
- 5 1/2" CW & HW DN. IN WALL, CONNECT TO FIXTURE(S) AS REQUIRED.
- 6 1/2" CW DN. IN WALL, CONNECT TO FIXTURE(S) AS REQUIRED.
- 7 SANITARY WASTE STACK, REFER TO BUILDING PLUMBING PLAN FOR RISER DESIGNATION.
- 8 CONDENSATE DRAIN RISER. REFER TO BUILDING PLUMBING PLANS FOR CONTINUATION.
- 9 3/4" CW & HW DN. IN WALL, CONNECT TO FIXTURE(S) AS REQUIRED.

LAKE COUNTY BUILDING DIVISION  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 109.4.1. Plans were reviewed for code compliance and shall be kept on job site.

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**REVISION HISTORY**

No.	Date	Description

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LEESBURG, VA 20176  
604 S. KING ST, SUITE 007  
PH: 703.840.0480  
www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
Lake County, FL  
Drawn: GHK  
Checked: GHK  
Approved: GHK  
Date: 08-05-2013  
Project #: 5108

**UNIT B & C PLUMBING PLANS** P3.02

ENGINEER OF RECORD  
GREG H. KLEBANOFF  
LICENSE NO. 45919  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

# PLUMBING GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
- WATER DISTRIBUTION PIPING BELOW FINISHED GARAGE SLAB SHALL BE INSTALLED WITH MAXIMUM COVER FOR FREEZING AND INSTALLED WITH NO FITTINGS AS REQUIRED BY LOCAL CODE AND AHJ.
- COORDINATE TRENCH DRAIN LOCATION WITH ARCHITECTURAL DRAWINGS AND STRUCTURAL DRAWINGS BEFORE STARTING WORK TO AVOID UNFORSEEN CONFLICTS.
- VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND LOCATION OF PLUMBING FIXTURES AND CONNECTING ALL STORM AND WATER PIPING AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS. SEE ARCH. PLANS FOR PENETRATION DETAILS.
- ALL WATER SUPPLY AND DRAINAGE PIPING SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE NOT NOTED.
- ALL WATER SUPPLY AND DRAINAGE PIPING SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.
- WHERE STORM SEWER LINES CROSS UNDERGROUND WATER SUPPLY LINES WITH LESS THAN 12" MINIMUM VERTICAL CLEARANCE, THE SANITARY SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (20'-0" EACH SIDE OF WATER MAIN) OR THE WATER LINES SHOULD BE MODIFIED TO PROVIDE 8" MINIMUM CLEARANCE.
- FURNISH AND INSTALL HOSE BIBBS AND/OR WALL HYDRANTS 24" ABOVE FINISHED GRADE/FLOOR AND PROVIDE VACUUM BREAKERS.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING HEIGHTS, AND DIMENSIONS.
- CONTRACTOR SHALL INSTALL DIELECTRIC COUPLINGS AND UNIONS AT CONNECTIONS OF DISIMILAR METALS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (INCLUDING PIPE ROUTING AND EQUIPMENT LOCATION) TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO THE INSTALLATION OF PURCHASING OF ANY PIPING AND/OR EQUIPMENT.
- PROVIDE REDUCED PRESSURE BACKFLOW PREVENTERS FOR DOMESTIC WATER SUPPLIES AS REQUIRED BY LOCAL WATER PURVEYORS.
- DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY STRUCTURAL ENGINEER.
- PLUMBING CONTRACTOR SHALL READ ALL JOB SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL PIPING SUBJECT TO FREEZING SHALL BE PROTECTED ACCORDING TO LOCAL CODE. WHERE WATER PIPES ARE IN EXTERIOR WALLS, THEY SHALL BE LOCATED ON THE INTERIOR WALL INSULATION LOCATED TOWARDS EXTERIOR PART OF THE WALL.
- REFER TO ELECTRICAL DRAWINGS FOR HEAT TRACE INFORMATION. COORDINATE WITH ELECTRICAL CONTRACTOR BEFORE STARTING THIS WORK.
- PROVIDE 1/2" THICK CLOSED CELL INSULATION FOR ABOVE GRADE HORIZONTAL COLD CONDENSATE LINES. THIS INCLUDES ABOVE GRADE HORIZONTAL STORM LINES WHICH RECEIVE COLD CONDENSATE.
- VERIFY DOMESTIC WATER SERVICE HAS A MINIMUM OF 65 PSI PRIOR TO METER AND BACKFLOW PREVENTER. WHERE PRESSURE IS LESS, A DOMESTIC WATER BOOSTER PUMP SHALL BE PROVIDED.

# PLUMBING SYMBOL/LEGEND

SYMBOL	DESCRIPTION
---	COLD WATER PIPING (CW)
----	HOT WATER PIPING (HW)
----	SANITARY OR WASTE PIPING ABOVE SLAB
----	SANITARY OR WASTE PIPING BELOW SLAB
SP	SAFETY PAN WASTE PIPING ABOVE SLAB
SP	SAFETY PAN WASTE PIPING BELOW SLAB
CD	CONDENSATE DRAIN PIPING ABOVE SLAB
CD	CONDENSATE DRAIN PIPING BELOW SLAB
----	VENT PIPING (V)
○ WCO	WALL CLEANOUT
○ FCO	FLUSH FLOOR CLEANOUT
☒ ECO	GRADE/EXTERIOR CLEANOUT
CO	CLEANOUT (ACCESSIBLE AT CEILING HEIGHT)
WH-1	WALL HYDRANT
○	BALL-TYPE SHUT-OFF VALVE
○	PIPING TURNING UP
○	PIPING TURNING DOWN
○	BRANCH - SIDE CONNECTION
○	BRANCH - TOP CONNECTION
○	BRANCH - BOTTOM CONNECTION
○	WATER HAMMER ARRESTOR (WHA)
⊗	FLOOR DRAIN
⊗	PLUMBING PLAN NOTE
⊗	INDICATES CONDENSATE AND/OR SAFETY PAN RISER
⊗	INDICATES SANITARY WASTE AND VENT RISER
⊗	INDICATES DOMESTIC WATER RISER
AHJ	AUTHORITY HAVING JURISDICTION
✱	VENT THRU ROOF

# PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	WASTE	VENT	CW	HW	MANUFACTURER/MODEL	REMARKS
WC-1	WATER CLOSET LOW CONSUMPTION	3"	2"	1/2"	-	BRIGGS #4764 CHURCH #130EC	VITREOUS CHINA WATER CLOSET, 1.60 GPF, TANK TYPE, WITH SIPHON ACTION ELONGATED BOWL. SOLID PLASTIC TOILET SEAT, ELONGATED CLOSED FRONT WITH COVER. PROVIDE BOLTS, CAPS, SUPPLY TUBE & ANGLE STOP VALVE.
WC-2	WATER CLOSET LOW CONSUMPTION	3"	2"	1/2"	-	BRIGGS #4231 CHURCH #130EC	VITREOUS CHINA WATER CLOSET, 1.60 GPF, TANK TYPE, WITH SIPHON ACTION ELONGATED BOWL - ADA HEIGHT. SOLID PLASTIC TOILET SEAT, ELONGATED OPEN FRONT WITH COVER. PROVIDE BOLTS, CAPS, SUPPLY TUBE & ANGLE STOP VALVE.
L-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	BRIGGS #6531 MOEN #CAL84502SRN	20"x17" VITREOUS CHINA SELF-RIMMING LAVATORY WITH 4" CENTERSET FAUCET HOLES. SINGLE LEVER LAVATORY FAUCET WITH POP-UP DRAIN ASSEMBLY, BRUSHED NICKEL FINISH. PROVIDE P-TRAP, SUPPLY TUBES AND ANGLE STOP VALVES.
S-1	KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"	DAYTON #DSE23322 MOEN #CA87010SR	DUAL BOWL 33"x22"x8" 20 GAUGE STAINLESS STEEL KITCHEN SINK WITH 3 FAUCET HOLES. SINGLE LEVER PULLOUT KITCHEN FAUCET WITH DECK ESCUTCHEON. BRUSHED NICKEL FINISH. PROVIDE P-TRAP, SUPPLY TUBES AND ANGLE STOP VALVES. DISPOSAL WITH DISHWASHER CONNECTION.
S-2	KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"	INSINK-ERATOR #V KINSFORD #K23322 MOEN #CA87010SR	DUAL BOWL 33"x22"x6" 23 GAUGE STAINLESS STEEL KITCHEN SINK WITH 3 FAUCET HOLES. SINGLE LEVER PULLOUT KITCHEN FAUCET WITH DECK ESCUTCHEON. BRUSHED NICKEL FINISH. PROVIDE P-TRAP, SUPPLY TUBES AND ANGLE STOP VALVES. DISPOSAL WITH DISHWASHER CONNECTION.
BT-1	BATHTUB	2"	1-1/2"	1/2"	1/2"	INSINK-ERATOR #V PROFLO #PFS6036 R/L SKWH MOEN #T2803EPBN + 2570 OATEY #46151	60"x36" ONE PIECE FIBERGLASS BATHTUB WITH NON-SLIP BOTTOM & INTEGRAL TILING FLANGE. SINGLE LEVER PRESSURE BALANCED TUB/SHOWER VALVE WITH TEMPERATURE LIMIT STOP, SHOWERHEAD INTERGRAL STOPS. BRUSHED NICKEL FINISH. PROVIDE LIFT & TURN DRAIN/OVERFLOW IN BRUSHED NICKEL.
BT-2	BATHTUB	2"	1-1/2"	1/2"	1/2"	STERLING #71041112/1122 CLEVELAND FAUCET #40311V-45511 OATEY #46151	60"x30" ONE PIECE FIBERGLASS BATHTUB WITH NON-SLIP BOTTOM & INTEGRAL TILING FLANGE. SINGLE LEVER PRESSURE BALANCED TUB/SHOWER VALVE WITH TEMPERATURE LIMIT STOP, SHOWERHEAD INTERGRAL STOPS. CHROME FINISH. PROVIDE LIFT AND TURN DRAIN & OVERFLOW IN CHROME.
IMB-1	ICE MAKER BOX	-	-	1/2"	-	OATEY #39148 #38491	HIGH IMPACT PLASTIC ICE MAKER BOX WITH 1/4 TURN SHUT-OFF VALVE, COMPRESSION FITTING & SHOCK ARRESTOR. PROVIDED WHEREVER BOX IS LOCATED IN RATED WALL.
WB-1	WASHER BOX	2"	1-1/2"	1/2"	1/2"	OATEY #38541 #38479	HIGH IMPACT PLASTIC WASHER BOX WITH 1/4 TURN SHUT-OFF VALVES, HOSE END CONNECTIONS & SHOCK ARRESTORS. PROVIDED WHEREVER BOX IS LOCATED IN RATED WALL.
WH-1	WALL HYDRANT	-	-	1/2"	-	WOODFORD #25	FREEZELESS WALL HYDRANT, AUTOMATIC DRAINING, WITH HOSE CONNECTION ANTI-SIPHON VACUUM BREAKER.
WCO-1	WALL CLEAN-OUT	SIZE/ DWG.	-	-	-	-	CLEAN-OUT TEE, GAS & WATER TIGHT WITH PLUG, ROUND STAINLESS STEEL WALL ACCESS COVER. REFERENCE PLANS & DIAGRAMS FOR LOCATIONS
ECO-1	EXTERIOR CLEAN-OUT	SIZE/ DWG.	-	-	-	-	PROVIDE CLEAN-OUT WITH 2-WAY CLEAN-OUT TEE. (LAWN, IN FLUSH 12"x12"x4" CONCRETE PAD.)

# ELECTRIC WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	ELECTRIC RATING			GALLON STORAGE	TEMP. RISE	RECOVERY	ENERGY FACTOR	WEIGHT (LBS)	REMARKS	
			TOTAL KW	# ELEMENTS	VOLT							
EWH-1	A. O. SMITH	ECT-30	4.5	2 @ 4.5	240	1Φ	30	50° F.	37 GPH	.93	341	1, 2
EWH-2	A. O. SMITH	ECT-40	4.5	2 @ 4.5	240	1Φ	40	50° F.	37 GPH	.92	447	1, 2

- NOTES:  
1. HEATER ELEMENTS ARE WIRED FOR NON-SIMULTANEOUS OPERATION.  
2. MODEL SUPPLY WITH HEAT TRAP NIPPLES.

### ISSUE HISTORY

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

### REVISION HISTORY

No.	Date	Description



2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
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## SUMMER BAY APARTMENTS

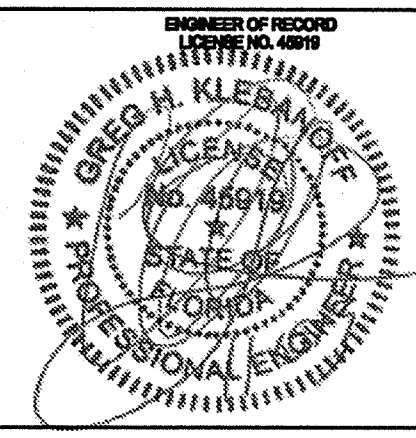
Lake County, FL

## PLUMBING SCHEDULES AND DETAILS

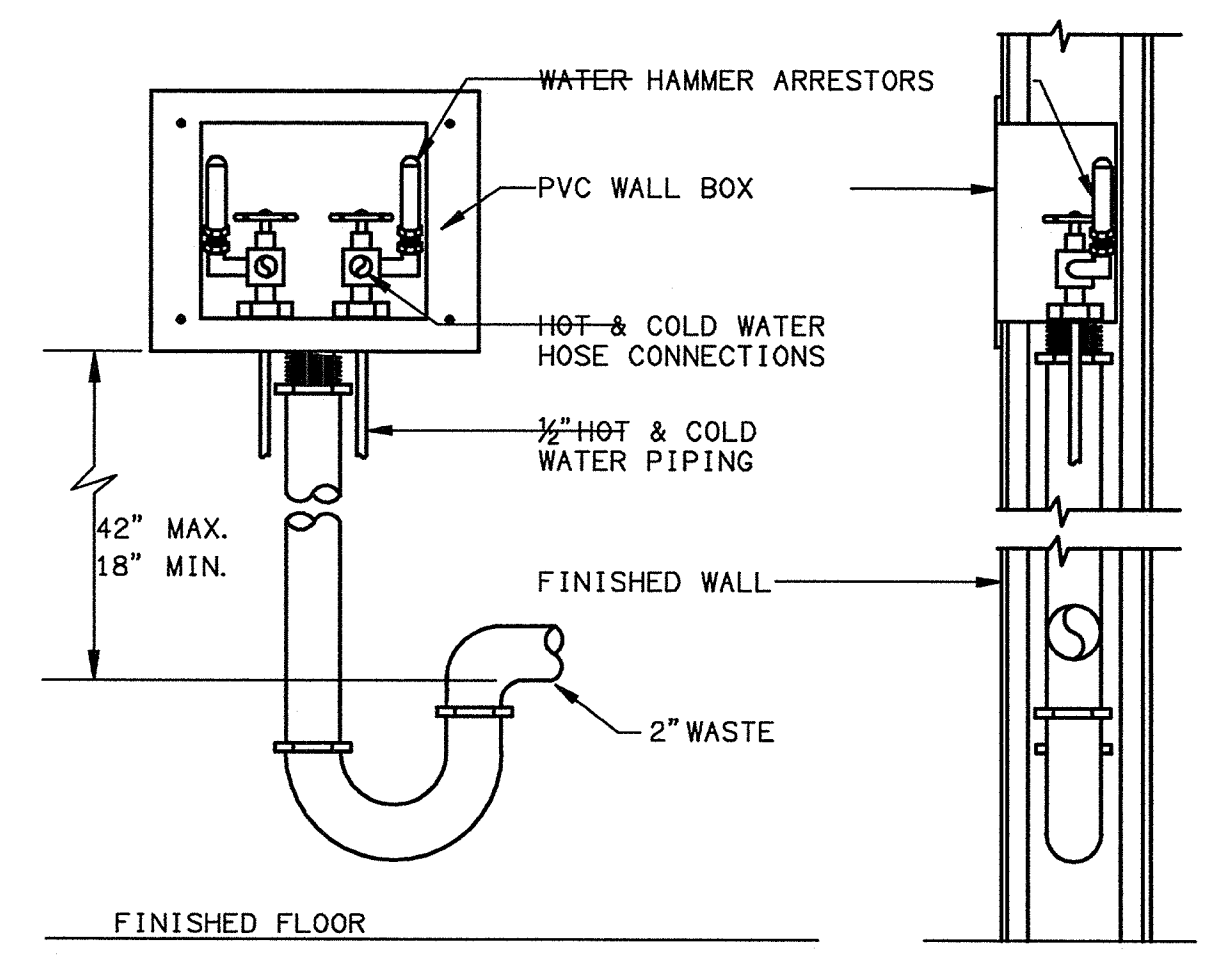
Drawn:	GHK
Checked:	GHK
Approved:	GHK
Date:	08-05-2013
Project #:	6108

P6.01

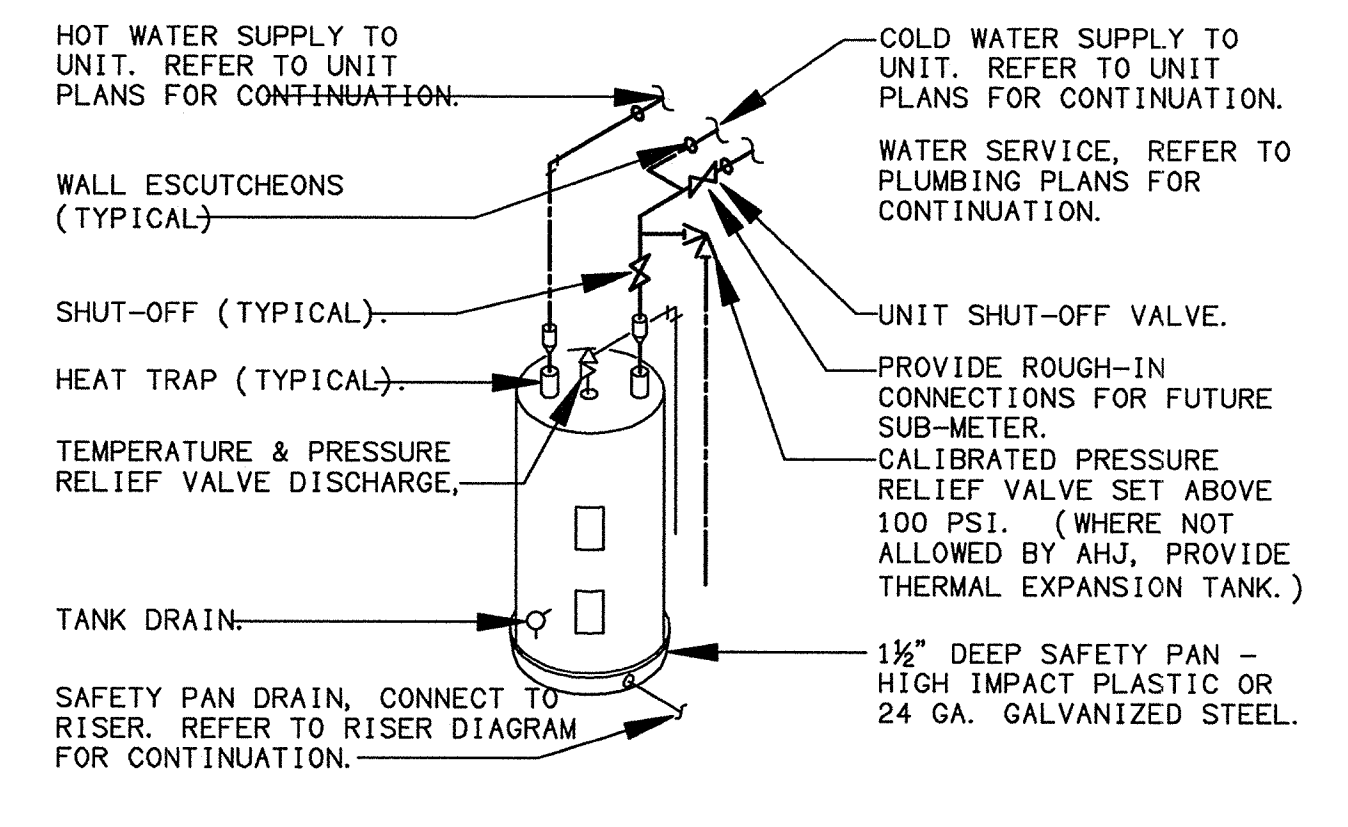
LAKE COUNTY BUILDING DIVISION  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.



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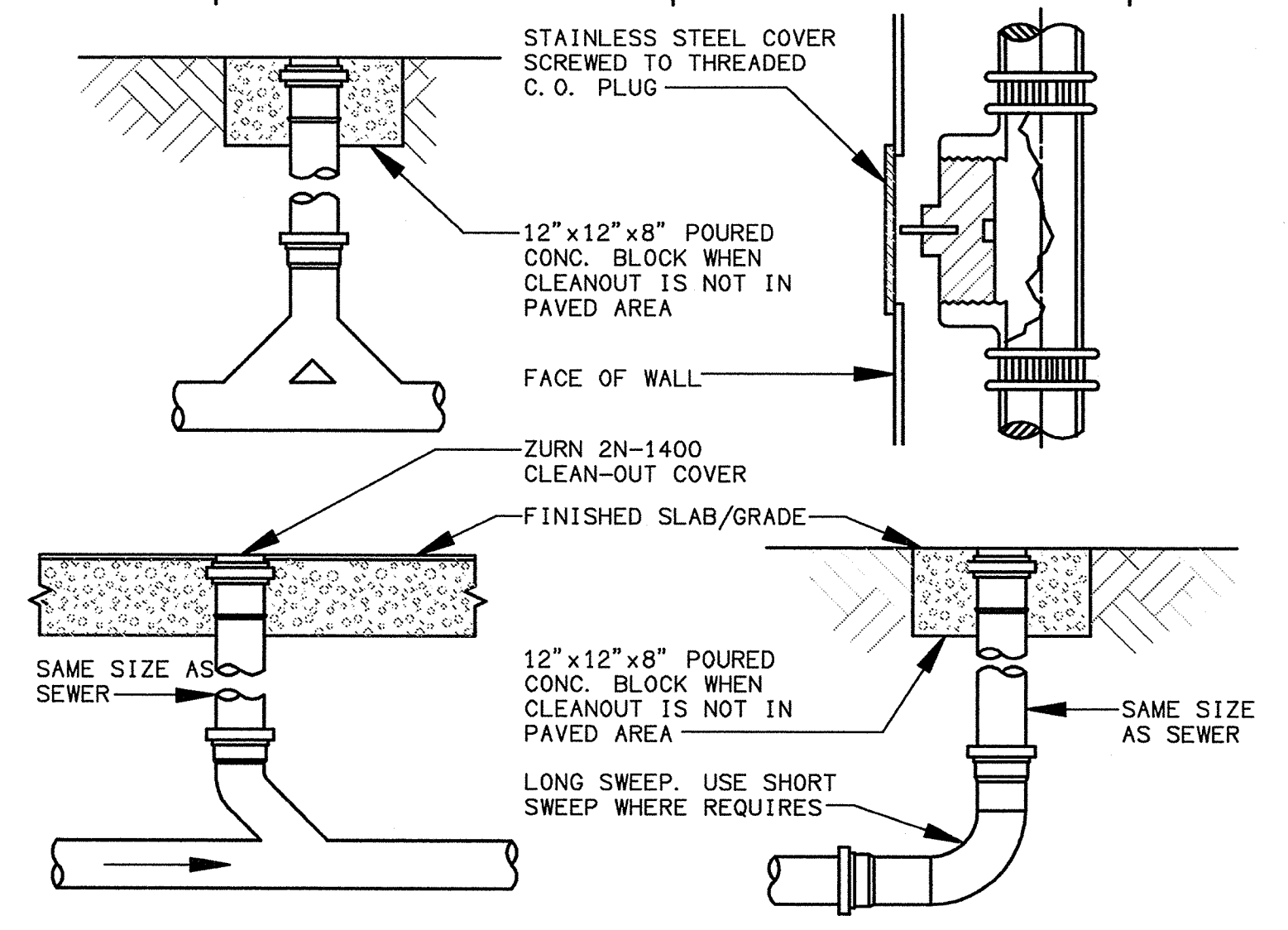


**WASHING MACHINE CONNECTION DETAIL**  
SCALE: NTS

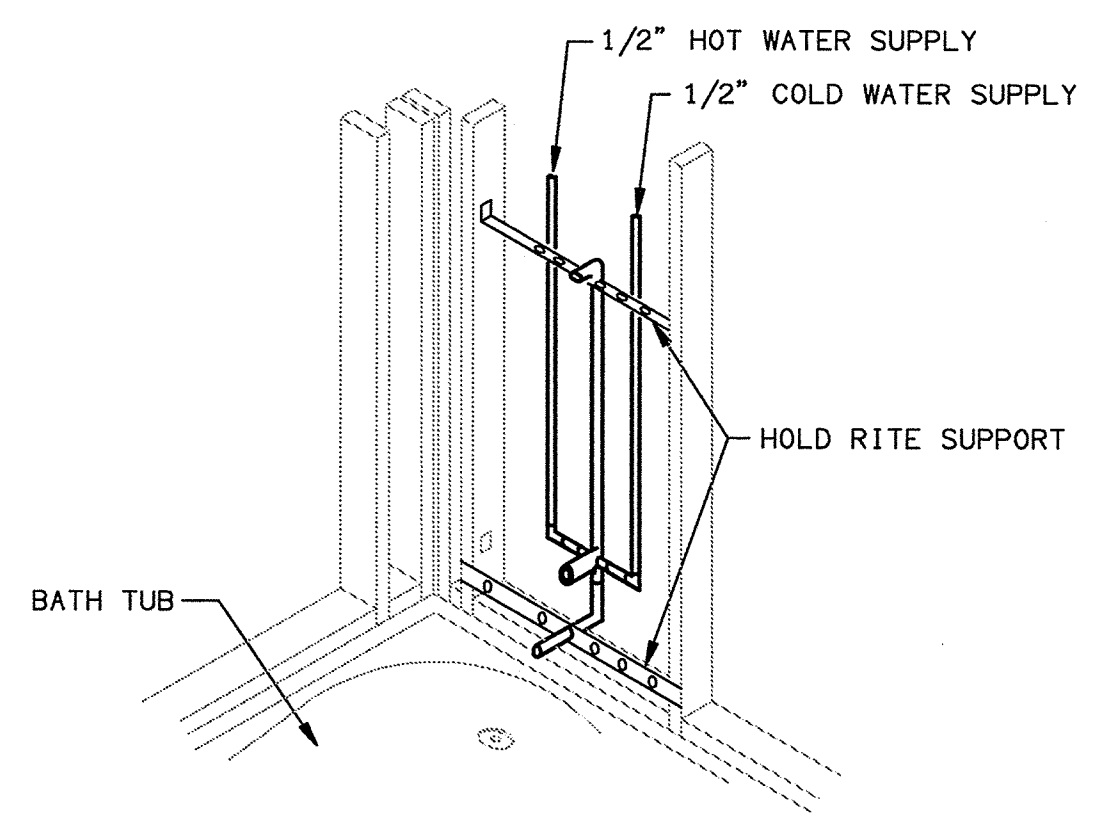


**NOTES:**  
1. ALL WATER HEATER PIPING SHALL BE INSTALLED AS TIGHT AS POSSIBLE TO TOP OF WATER HEATER WHILE LEAVING ALL VALVES TO BE ACCESSIBLE FOR OPERATION WITHOUT THE REMOVAL OF ANY EQUIPMENT.  
2. PROVIDE ANY PIPING IN PLENUM RETURN MECHANICAL ROOMS AS COPPER, OR SHIELD FROM PLENUM WITH 26 GAGE METAL OR SHEET ROCK. IF USING ANY OTHER MATERIALS OR SHIELDING STRATEGIES, INCLUDING CPVC, OBTAIN BUILDING OFFICIAL APPROVAL.

**ELECTRIC WATER HEATER DETAIL** EWH-1 & 2  
SCALE: NTS

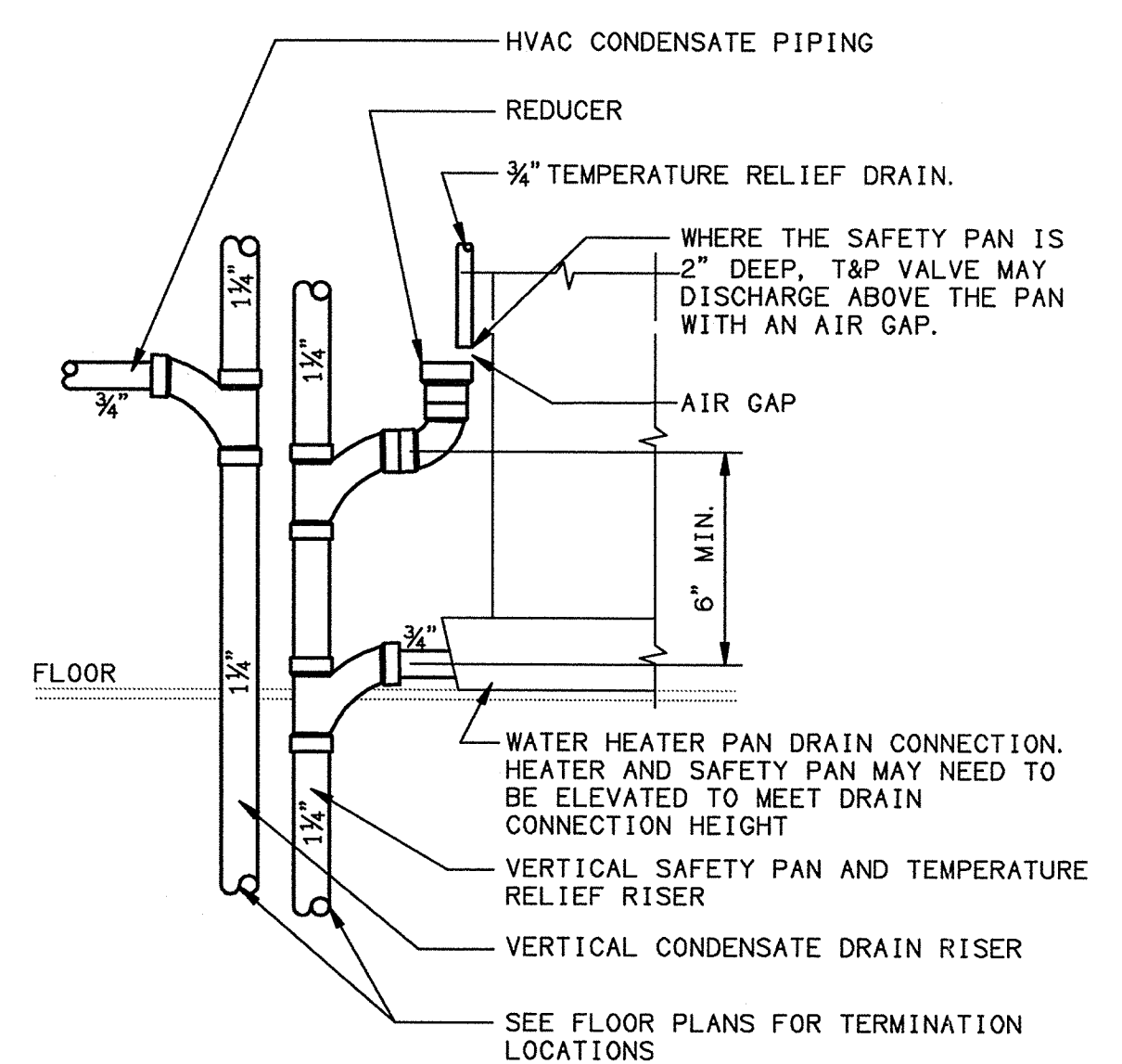


**TYPICAL CLEAN-OUT DETAILS**  
SCALE: NTS



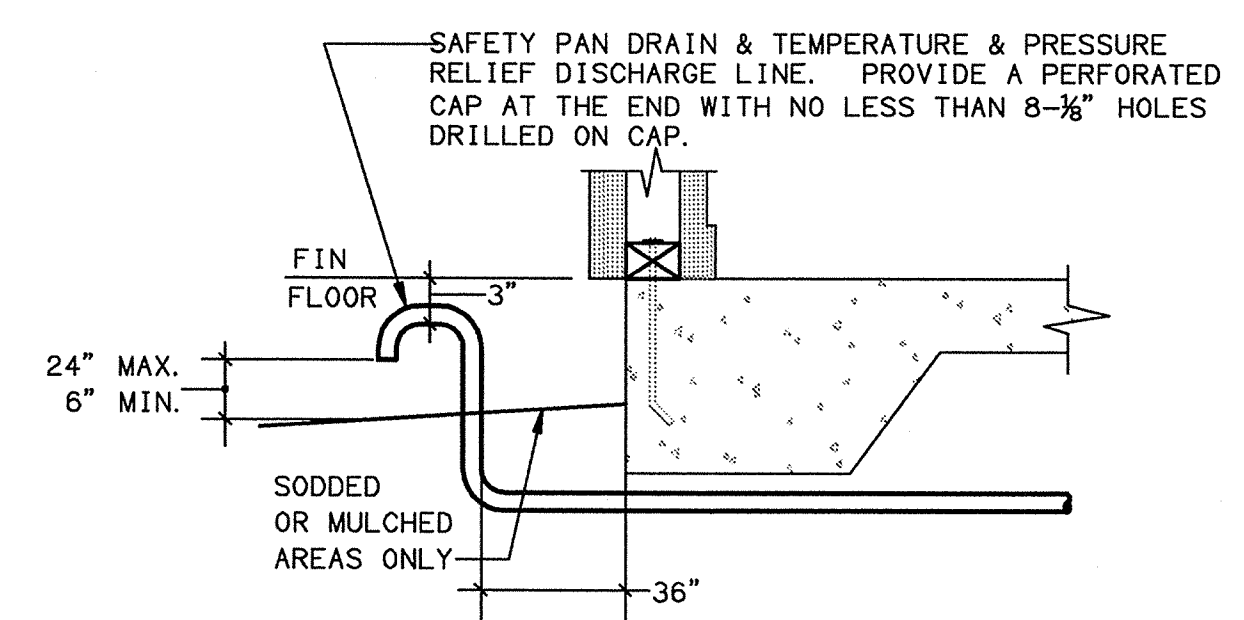
**BASIS OF DESIGN:** HOLD RITE SUPPORT SYSTEMS  
**NOTES:**  
1. SHOWER HEAD ROUGH-IN. USE #101 ON HORIZONTAL PLANE WITH ENDS BENT UP. MAKE A CONNECTION THAT SHALL NOT RATTLE AND SHALL NOT PULL AWAY FROM THE WALL.  
2. VALVE SUPPORT. USE #101 ON HORIZONTAL PLANE WITH ENDS BENT UP. THIS SHALL BOTH ALIGN AND SUPPORT THE VALVE.  
3. TUB SPOUT SUPPORT. USE #101 ON HORIZONTAL PLANE. THIS SHALL PROVIDE STRONG SUPPORT FOR THE TUB SPOUT.

**TYPICAL TUB/SHOWER SUPPLY SUPPORT DETAIL**  
SCALE: NTS

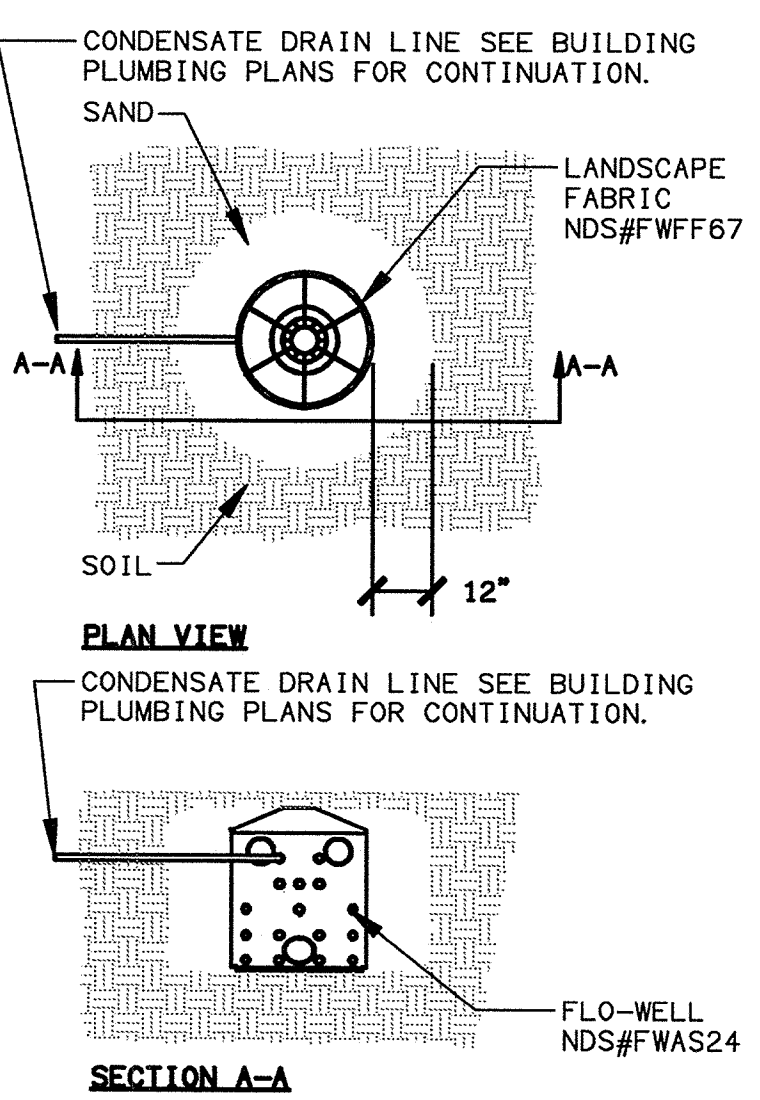


**NOTES:**  
1. SEE FLOOR PLANS FOR RISER LOCATIONS.  
2. FIELD VERIFY EXACT BRANCH PIPE ELEVATIONS WITH RESPECTIVE CONTRACTORS BEFORE STARTING WORK

**SAFETY PAN/CONDENSATE DRAINAGE DETAIL**  
SCALE: NTS



**DISCHARGE PIPING TERMINATION DETAIL**  
SCALE: NTS



**CONDENSATE DRYWELL DETAIL**  
SCALE: NTS

**ISSUE HISTORY**

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**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH** PLLC  
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
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**KTD Consulting Engineers** PROJECT #: 13038  
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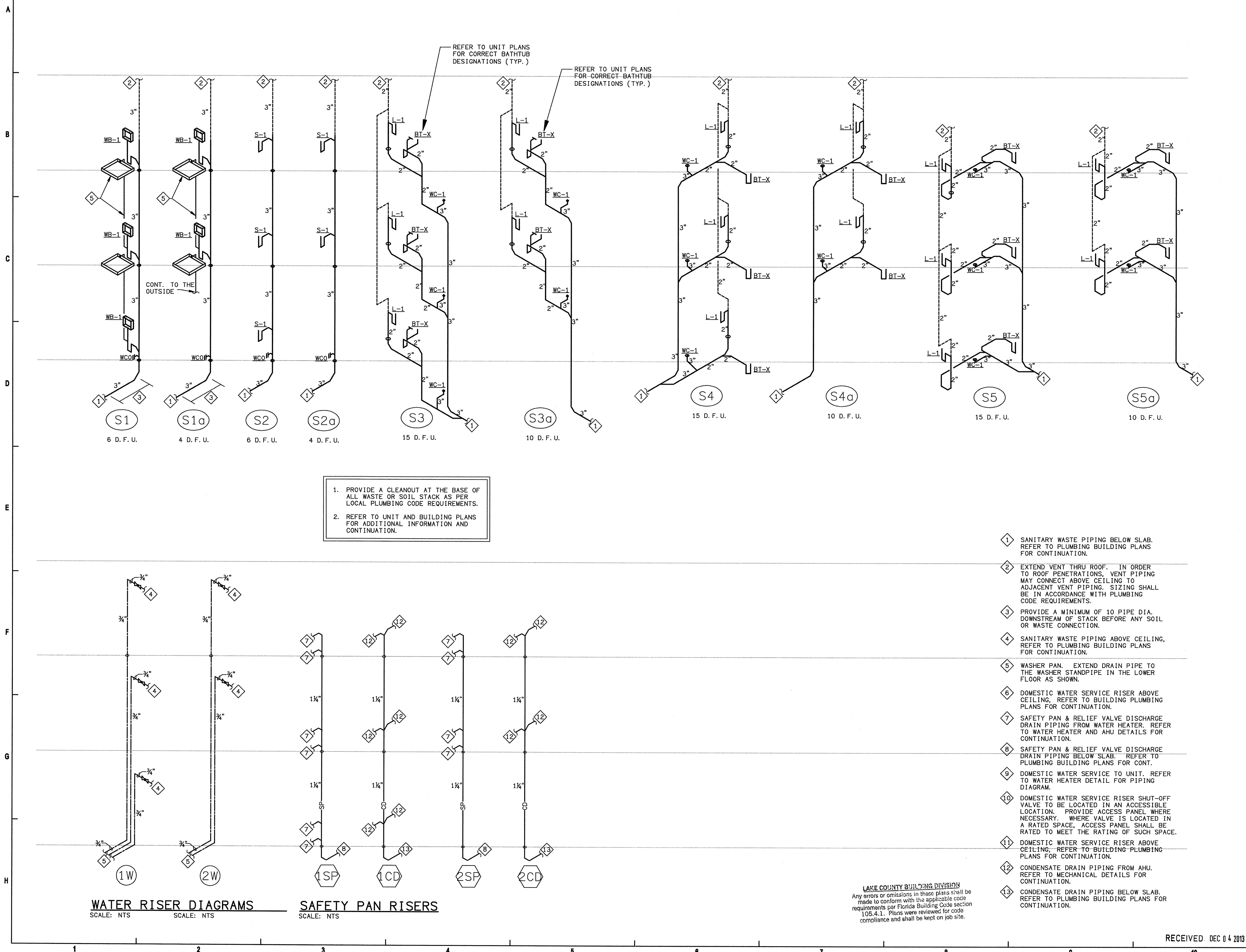
**SUMMER BAY APARTMENTS**  
Lake County, FL

**PLUMBING SCHEDULES AND DETAILS** P6.02

ENGINEER OF RECORD  
GREG H. KLEBANOFF  
LICENSED PROFESSIONAL ENGINEER  
NO. 45518  
STATE OF FLORIDA  
RECEIVED DEC 04 2013

LAKE COUNTY BUILDING DIVISION  
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1. PROVIDE A CLEANOUT AT THE BASE OF ALL WASTE OR SOIL STACK AS PER LOCAL PLUMBING CODE REQUIREMENTS.  
 2. REFER TO UNIT AND BUILDING PLANS FOR ADDITIONAL INFORMATION AND CONTINUATION.

**WATER RISER DIAGRAMS**  
SCALE: NTS

**SAFETY PAN RISERS**  
SCALE: NTS

LAKE COUNTY BUILDING DIVISION  
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ISSUE HISTORY		
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REVISION HISTORY		
No.	Date	Description

- 1 SANITARY WASTE PIPING BELOW SLAB. REFER TO PLUMBING BUILDING PLANS FOR CONTINUATION.
- 2 EXTEND VENT THRU ROOF. IN ORDER TO ROOF PENETRATIONS, VENT PIPING MAY CONNECT ABOVE CEILING TO ADJACENT VENT PIPING. SIZING SHALL BE IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS.
- 3 PROVIDE A MINIMUM OF 10 PIPE DIA. DOWNSTREAM OF STACK BEFORE ANY SOIL OR WASTE CONNECTION.
- 4 SANITARY WASTE PIPING ABOVE CEILING, REFER TO PLUMBING BUILDING PLANS FOR CONTINUATION.
- 5 WASHER PAN. EXTEND DRAIN PIPE TO THE WASHER STANDPIPE IN THE LOWER FLOOR AS SHOWN.
- 6 DOMESTIC WATER SERVICE RISER ABOVE CEILING, REFER TO BUILDING PLUMBING PLANS FOR CONTINUATION.
- 7 SAFETY PAN & RELIEF VALVE DISCHARGE DRAIN PIPING FROM WATER HEATER. REFER TO WATER HEATER AND AHU DETAILS FOR CONTINUATION.
- 8 SAFETY PAN & RELIEF VALVE DISCHARGE DRAIN PIPING BELOW SLAB. REFER TO PLUMBING BUILDING PLANS FOR CONT.
- 9 DOMESTIC WATER SERVICE TO UNIT. REFER TO WATER HEATER DETAIL FOR PIPING DIAGRAM.
- 10 DOMESTIC WATER SERVICE RISER SHUT-OFF VALVE TO BE LOCATED IN AN ACCESSIBLE LOCATION. PROVIDE ACCESS PANEL WHERE NECESSARY. WHERE VALVE IS LOCATED IN A RATED SPACE, ACCESS PANEL SHALL BE RATED TO MEET THE RATING OF SUCH SPACE.
- 11 DOMESTIC WATER SERVICE RISER ABOVE CEILING, REFER TO BUILDING PLUMBING PLANS FOR CONTINUATION.
- 12 CONDENSATE DRAIN PIPING FROM AHU. REFER TO MECHANICAL DETAILS FOR CONTINUATION.
- 13 CONDENSATE DRAIN PIPING BELOW SLAB. REFER TO PLUMBING BUILDING PLANS FOR CONTINUATION.

**FUGLEBERG KOCH**  
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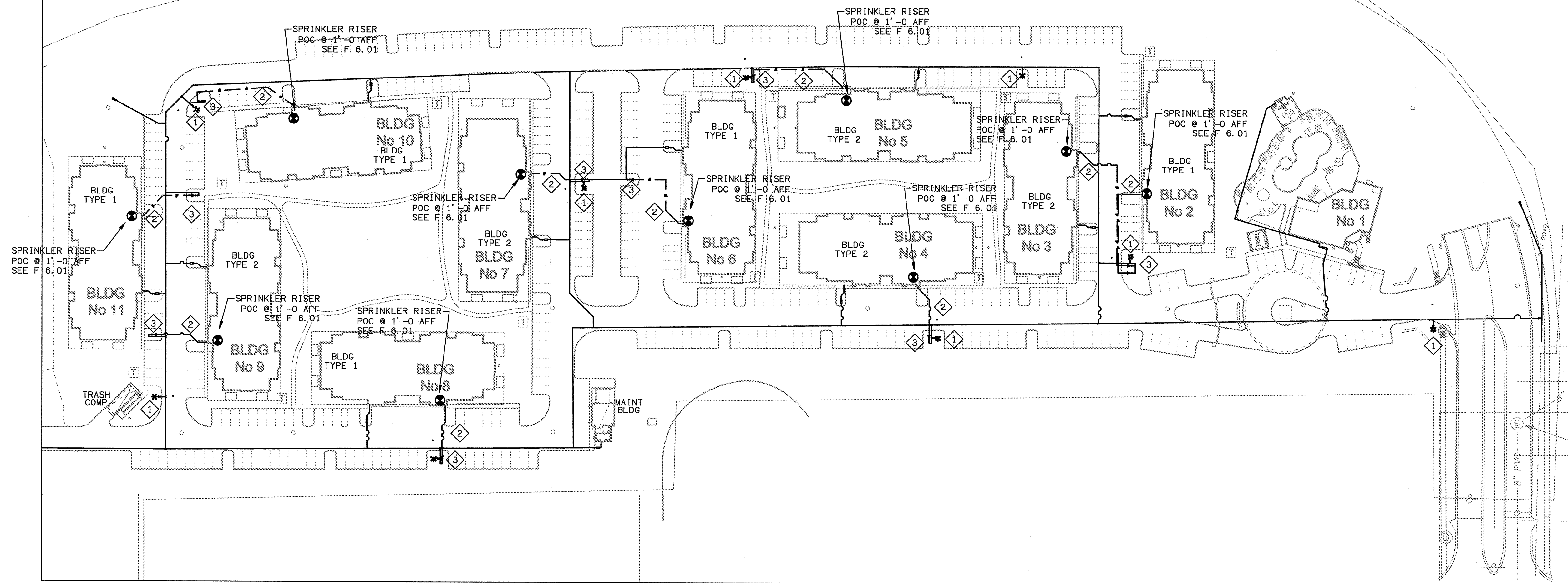
**KTD Consulting Engineers** PROJECT # 13038  
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**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Owner: GHK  
 Architect: GHK  
 Appointed: GHK  
 Date: 08-05-2013  
 Project #: 6189

**PLUMBING SCHEDULES AND DETAILS**  
**P6.03**

ENGINEER OF RECORD  
 GREG H. KLEBANOFF  
 LICENSE No. 48918  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

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- 1 FIRE HYDRANT SEE CIVIL PLANS FOR DETAILS.
- 2 SUPPLY TO BE SIZED BY CONTRACTOR HYDRAULIC CALCULATIONS.
- 3 WILKINS 950XLTDABF DDCVA W/ FDC TO BE SIZED BY CONTRACTOR. TAMPER SWITCHES TO BE WIRED TO ALARM PANEL.

**FLOW TEST:**  
 PROVIDED BY : WAYNE AUTOMATIC FIRE SPRINKLERS  
 LOCATION : DUE EAST OF THE PUBLIX AT THE MAIN ENTRANCE TO PROPERTY.  
 DATE TAKEN : 10-25-2013 TIME: 3:00 PM  
 STATIC = 73 PSI  
 RESIDUAL = 65 PSI  
 FLOW = 1160 GPM  
 PITOT = 48 PSI

**NOTE:**  
 PRIOR TO SHOP DRAWING SUBMITTALS, FIRE SPRINKLER CONTRACTOR SHALL COORDINATE ALL PIPE ROUTING WITH MECHANICAL AND ELECTRICAL DRAWINGS SO AS TO AVOID CONFLICTS WITH THEIR WORK. IN THE EVENT THESE CONFLICTS ARE UNAVOIDABLE, CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY FOR ASSISTANCE IN RESOLVING THESE CONFLICTS.

**NOTE:**  
 THIS SITE PLAN IS PROVIDED ONLY FOR THE INTENT AND PURPOSE OF INDICATING NODES AND PIPES LENGTHS REQUIRED FOR FIRE SPRINKLER HYDRAULIC CALCULATIONS, WATER SUPPLY AND FIRE HYDRANT FLOW TESTING. WATER DISTRIBUTION PIPING AND COMPONENTS INDICATED ON THIS SHEET SHALL BE PROVIDED UNDER CIVIL SCOPE OF WORK.

**FIRE PROTECTION SITE PLAN**  
 SCALE: 1" = 60'-0"

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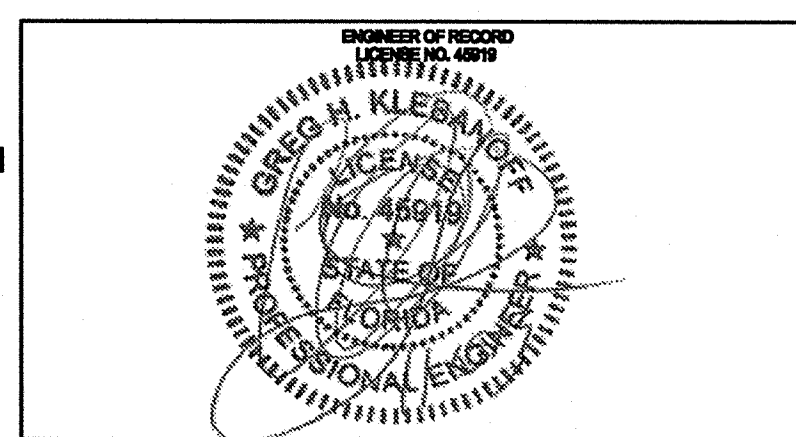
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**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Date: 08-05-2013  
 Project #: 5189

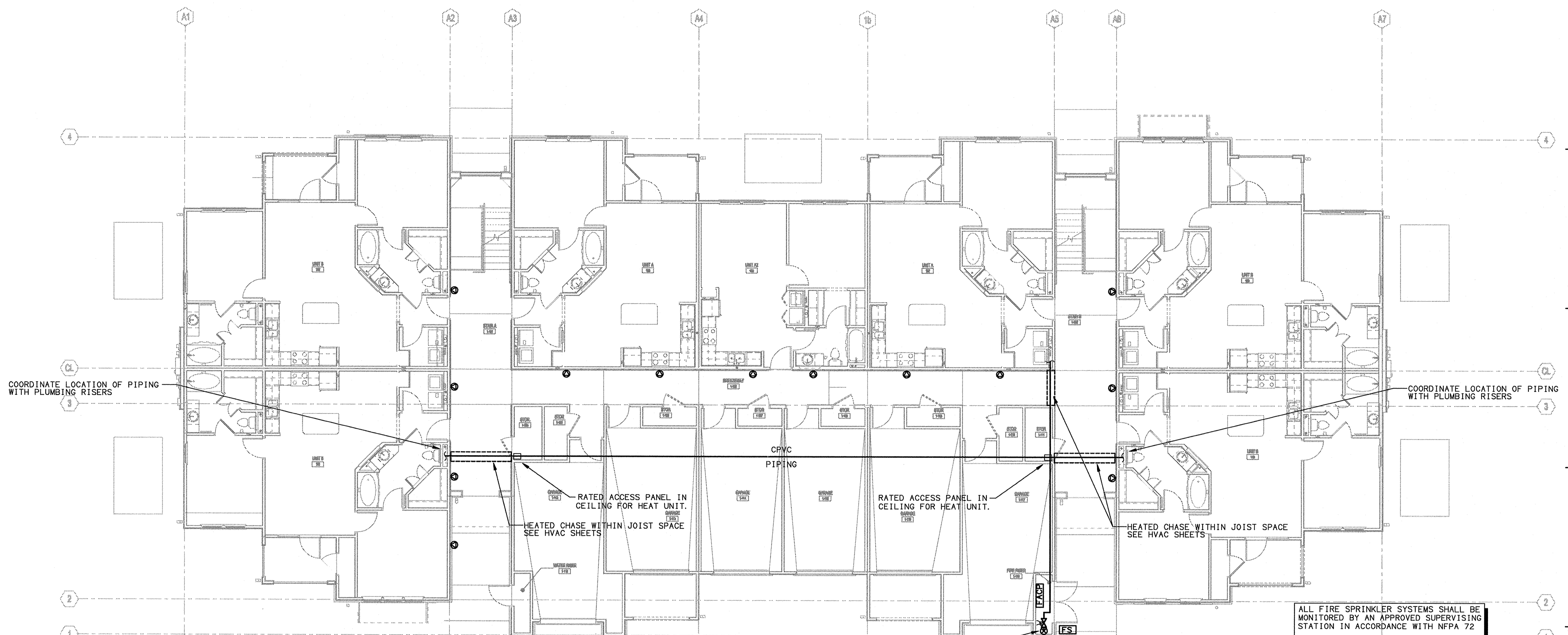
**FIRE PROTECTION SITE PLAN**  
 F0.10

LAKE COUNTY BUILDING DIVISION  
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**HI BUILDING TYPE I - GROUND LEVEL - FIRE PROTECTION PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-F-BLDG

ALL FIRE SPRINKLER SYSTEMS SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72

THIS BUILDING TO BE PROTECTED IN ACCORDANCE WITH NFPA-13R 2010 EDITION AND FLORIDA BUILDING CODE 2010 EDITION.

THE FIRE SPRINKLER CONTRACTOR UPON ACCEPTANCE OF CONTRACT FOR INSTALLATION SHALL ASSUME RESPONSIBILITIES OF ENGINEER OF RECORD.

FIRE SPRINKLER RISER WITH RESIDENTIAL MANIFOLD IN FIRE RISER CLOSET, INDICATING VALVES TO HAVE TAMPER SWITCHES, WIRED BY OTHERS.  
 6" ELECTRIC BELL IN WEATHER PROOF BOX, AND STROBE LIGHT MOUNTED ON OUTSIDE OF BLD.  
 UNDERGROUND FIRE SPRINKLER SUPPLY AND BACKFLOW PREVENTER TO BE SIZED BY FIRE SPRINKLER CONTRACTOR HYDRAULIC CALCULATIONS. SEE CIVIL UTILITY PLAN FOR CONTINUATION.  
 POINT OF CONNECTION AT 1'-0" AFF  
 1 1/2" SINGLE OUTLET RESIDENTIAL F. D. C. WITH BREAKAWAY CAPS.  
 WILKINS 950XLTDAFB DDCVA PREVENTER, INDICATING VALVES TO HAVE TAMPER SWITCHES, WIRED BY OTHERS.

**SPRINKLER SYSTEM DESIGN CRITERIA**

- (A) DRAWINGS ARE DRAWN TO AN INDICATED SCALE, ON SHEETS OF UNIFORM SIZE, WITH A PLAN OF EACH FLOOR.
- (B) NAME OF OWNER AND OCCUPANT IS ON PROJECT COVER SHEET.
- (C) THE LOCATION INCLUDING STREET ADDRESS IS ON THE PROJECT COVER SHEET.
- (D) POINT OF COMPASS IS SHOWN ON ALL FLOOR PLANS AND PARTIAL PLANS.
- (E) CEILING CONSTRUCTION IS INDICATED BY LEGEND AND APPROPRIATE NOTES ON THE ARCHITECTURAL PLANS.
- (F) FULL HEIGHT CROSS SECTION, INCLUDING BUILDING HEIGHT IN FEET IS SHOWN ON ARCHITECTURAL PLANS.
- (G) LOCATIONS OF FIRE WALLS ARE SHOWN ON LIFE SAFETY PLANS.
- (H) LOCATIONS OF PARTITIONS ARE SHOWN ON ARCHITECTURAL PLANS.
- (I) CONSTRUCTION AND OCCUPANCY OF BUILDING IS SHOWN ON SHEET A-1.
- (J) FIRE WALLS, FIRE DOORS, UNPROTECTED WINDOW OPENING, LARGE UNPROTECTED FLOOR OPENINGS, AND BLIND SPACES ARE SHOWN ON LIFE SAFETY PLANS.
- (K) OCCUPANCY OF AREA OR ROOM IS INDICATED BY ROOM NAMES.
- (L) LOCATION AND SIZE OF CONCEALED SPACES, CLOSETS, AND BATHROOMS ARE INDICATED ON ARCHITECTURAL PLANS.
- (M) ANY QUESTIONABLE SMALL ENCLOSURE IN WHICH NO SPRINKLERS ARE TO BE INSTALLED ARE DEFINED AND NOTED AS NOT HAVING ANY AUTOMATIC SPRINKLERS ON FIRE SPRINKLER PLANS.
- (N) DISTANCE TO AND CONSTRUCTION AND OCCUPANCY OF EXPOSING BUILDINGS - E.G., LUMBER YARDS, BRICK MERCANTILES, FIRE RESISTIVE OFFICE BUILDINGS, ETC., ARE INDICATED ON SCALED SITE PLANS.
- (O) PROPERTY IS LOCATED IN A FLOOD AREA AND CONSIDERATION HAS BEEN TAKEN IN THE DESIGN OF SPRINKLER SYSTEMS.
- (P) NAME, ADDRESS AND PHONE NUMBER OF THE ENGINEER OF RECORD FOR THE CONSTRUCTION DRAWING DESIGN IS SHOWN ON EACH DRAWING SHEET.
- (Q) SIZE OF CIRCULATING MAIN IN STREET, PRESSURE IN PSI AND CITY MAIN TEST RESULTS IN ACCORDANCE WITH NFPA 13, APPENDIX B-2-1 ARE INDICATED ON FIRE PROTECTION SITE PLAN.
- (R) STATIC AND RESIDUAL PRESSURE READINGS RECORDED, THE SIZE OF MAINS SUPPLYING THESE HYDRANTS AND AUTHORITY HAVING JURISDICTION ARE INDICATED ON FIRE PROTECTION SITE PLAN.
- (S) OTHER SOURCES OF WATER SUPPLY, WITH PRESSURE OR ELEVATION ARE NOT APPLICABLE. CITY MAINS ARE THE ONLY SUPPLY SOURCES.
- (T) LOCATION OF NEAREST PUMPING STATION IS NOT APPLICABLE.
- (U) DATA COVERING WATERWORKS SYSTEM IN SMALL TOWNS IN ORDER TO EXPEDITE THE REVIEW OF PLANS IS NOT APPLICABLE.
- (V) TEMPERATURE RATINGS AND LOCATIONS OF HIGH-TEMPERATURE SPRINKLERS ARE SHOWN ON THE FIRE SPRINKLER FLOOR PLANS.
- (W) TOTAL AREA PROTECTED BY EACH SYSTEM ON EACH FLOOR IS SHOWN ON ARCHITECTURAL PLANS.
- (X) MAXIMUM COVERAGE PER SPRINKLER TYPE AND MAXIMUM VELOCITY IN SYSTEM IS SHOWN ON HYDRAULIC CALCULATIONS, REFER TO HYDRAULIC CALCULATIONS LOCATED IN SPECIFICATIONS SECTION 15500.
- (Y) LOCATIONS OF ALL SPRINKLER HEADS ARE INDICATED ON FLOOR PLANS.
- (Z) WHERE EXTENSION TO PRESENT SYSTEM, NEW AND EXISTING SPRINKLERS RISER PER FLOOR, AND SPRINKLERS ALREADY INSTALLED ARE NOT IN THE SCOPE OF WORK.
- (AA) DRY-PIPE VALVES ARE INDICATED ON SPRINKLER PLANS.
- (BB) PREACTION VALVES ARE NOT IN THE SCOPE OF THIS WORK.
- (CC) ALARM BELLS ARE SHOWN ON FLOOR PLANS.
- (DD) APPROXIMATE CAPACITY IN GALLONS OF EACH DRY-PIPE SYSTEM WITH THE BULK PIPE INCLUDED IN ACCORDANCE WITH NFPA 13 TABLE A-5-2-3 IS SHOWN ON FIRE SPRINKLER PLANS.
- (EE) WHERE AN EXTENSION IS MADE TO AN EXISTING DRY-PIPE SYSTEM, THE TOTAL CAPACITY OF THE EXISTING AND ALSO EXTENDED PORTION OF THE SYSTEM IS NOT APPLICABLE.
- (FF) MINIMUM MATERIAL QUALITY REQUIRED AS APPROVED FOR APPLICATION USING PROPER NATIONAL STANDARDS HAS BEEN INCLUDED IN THE SPECIFICATIONS.
- (GG) NOMINAL PIPE SIZE AND LOCATIONS FOR RISERS, BULK/FEED MAINS, STANDPIPES AND CROSS MAINS ARE INDICATED ON THE FLOOR PLANS.
- (HH) ALL CONTROL VALVES, CHECK VALVES, DRAIN PIPES, AND TEST CONNECTION APPLICABLE TO THE SCOPE OF THIS WORK, ARE INDICATED ON FLOOR PLANS AND SCHEMATICS.
- (II) SIZE AND LOCATION OF HOSE OUTLETS, AND RELATED EQUIPMENT ARE INDICATED ON FLOOR PLANS.
- (JJ) EXISTING UNDERGROUND PIPE SIZE, CLASS LENGTH, LOCATION, WEIGHT, MATERIAL, POINT OF CONNECTION TO MAIN, TYPE OF VALVES, METERS, AND VALVE PITS, AND THE DEPTH THAT TOP OF THE PIPE IS LAID BELOW GRADE SHALL BE VERIFIED BY THE FIRE PROTECTION CONTRACTOR.
- (KK) PROVISION FOR FLUSHING IS INDICATED ON THE FLOOR PLANS.
- (LL) WHERE EQUIPMENT IS TO BE INSTALLED AS AN ADDITION TO AN EXISTING SYSTEM, ENOUGH OF THE EXISTING SYSTEM IS INDICATED ON THE PLANS TO MAKE ALL CONDITIONS CLEAR.
- (MM) NOT USED
- (NN) TO BE PROVIDED BY INSTALLING SPRINKLER SYSTEM CONTRACTOR: HYDRAULIC CALCULATIONS INCLUDE THE FOLLOWING INFORMATION REQUIRED IN CHAPTER 7, NFPA 13, LATEST EDITION:  
 A SUMMARY SHEET FOR EACH SET OF HYDRAULIC CALCULATIONS.  
 A GRAPH SHEET WITH THE HYDRAULIC CALCULATIONS SHOWING THE WATER SUPPLY CURVE, HOSE DEMANDS AND SYSTEM(S) REQUIREMENTS.  
 HYDRAULIC REFERENCE POINTS ARE INDICATED ON THE PLANS FROM THE MOST HYDRAULICALLY REMOTE SPRINKLER TO THE POINT OF WATER FLOW TEST. (POINT OF SERVICE)  
 CENTER-TO-CENTER DIMENSIONS AND NOMINAL PIPE DIAMETERS FROM THE POINT OF WATER FLOW TEST (POINT OF SERVICE) TO AND INCLUDING THE REMOTE AREA ARE INDICATED ON THE PLANS.
- (OO) INSTRUMENTATION, CONTROLS, ALARMS, AND DETECTION DEVICES RELATED TO THE SPRINKLER SYSTEMS ARE SHOWN ON FLOOR PLANS.
- (PP) FLOW TESTS WERE CONDUCTED AT HYDRANTS ON THE UTILITY SUPPLY SYSTEM, IN ACCORDANCE WITH NFPA 13 APPENDIX B (LATEST) AND NFPA 291, RECOMMENDED PRACTICE FOR FIRE FLOW TESTING AND MARKING OF HYDRANTS.
- (QQ) KITCHENS AND ADJACENT DRY STORAGE AREAS ARE PROTECTED AS SHOWN ON THE PLANS.
- (RR) PORTIONS OF THE SPRINKLERS SYSTEMS SUBJECT TO FREEZING TEMPERATURES, ARE PROTECTED BY DRY-PIPE SYSTEMS.
- (SS) SPRINKLER COVERAGE FOR ELEVATOR SHAFT(S) AND ELEVATOR EQUIPMENT ROOM ARE SHOWN ON FLOOR PLANS.
- (TT) BUILDING IS DESIGNED TO BE 100 PERCENT SPRINKLERED PER NFPA 13R, 2010 EDITION.

(NOTE:  
 1. INSTALLING SPRINKLER SYSTEM CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO PLANS REVIEW OFFICE FOR REVIEW AND PERMANENT RECORD PRIOR TO INSTALLATION.  
 2. THE SPRINKLER SYSTEM INSTALLER SHALL PERFORM ALL REQUIRED ACCEPTANCE TESTS, COMPLETE THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE(S), AND FORWARD THE CERTIFICATE(S) TO THE AUTHORITY HAVING JURISDICTION PRIOR TO ASKING FOR APPROVAL OF THE INSTALLATION.

ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

REVISION HISTORY		
No.	Date	Description

**FUGLEBERG KOCH**  
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 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT # 13036  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7000  
 LEESBURG, VA 20176  
 604 S. KING ST, SUITE 007  
 PH: 703.840.0480 www.ktdengineers.com

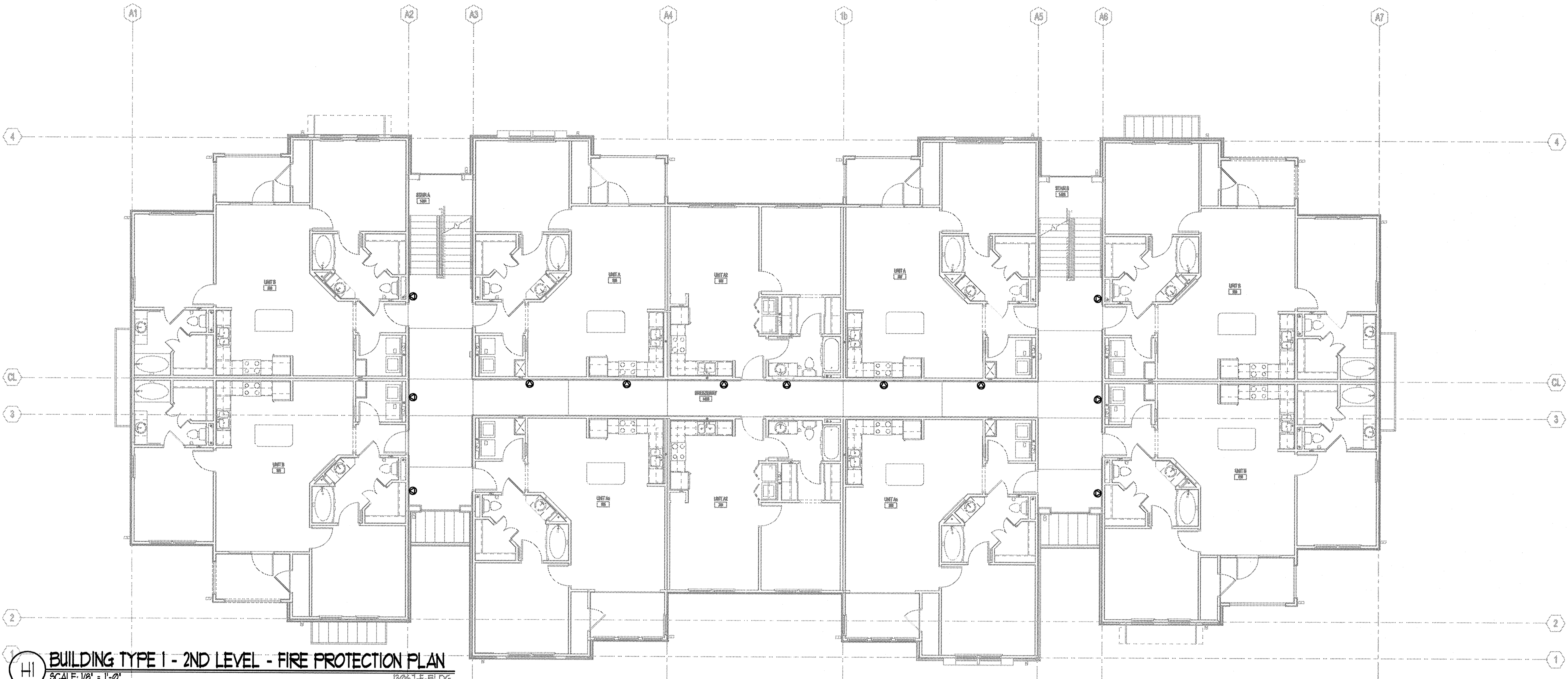
**SUMMER BAY APARTMENTS**  
 Lake County, FL

**BUILDING TYPE 1 GROUND LEVEL FIRE PROTECTION PLAN** F2.01

ENGINEER OF RECORD  
 GREG H. KLEBER, P.E.  
 LICENSE NO. 45919  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

RECEIVED DEC 04 2013



**HI BUILDING TYPE I - 2ND LEVEL - FIRE PROTECTION PLAN**  
 SCALE: 1/8" = 1'-0"  
 B061-F-BLDG

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description

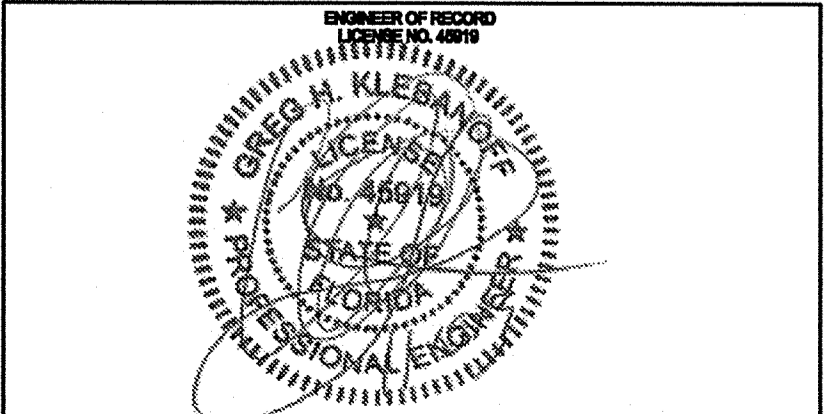
**FUGLEBERG KOCH**  
 P.L.L.C.  
 2553 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13038  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTA DRIVE  
 PH: 407.894.7800  
 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480 www.ktdengineers.com

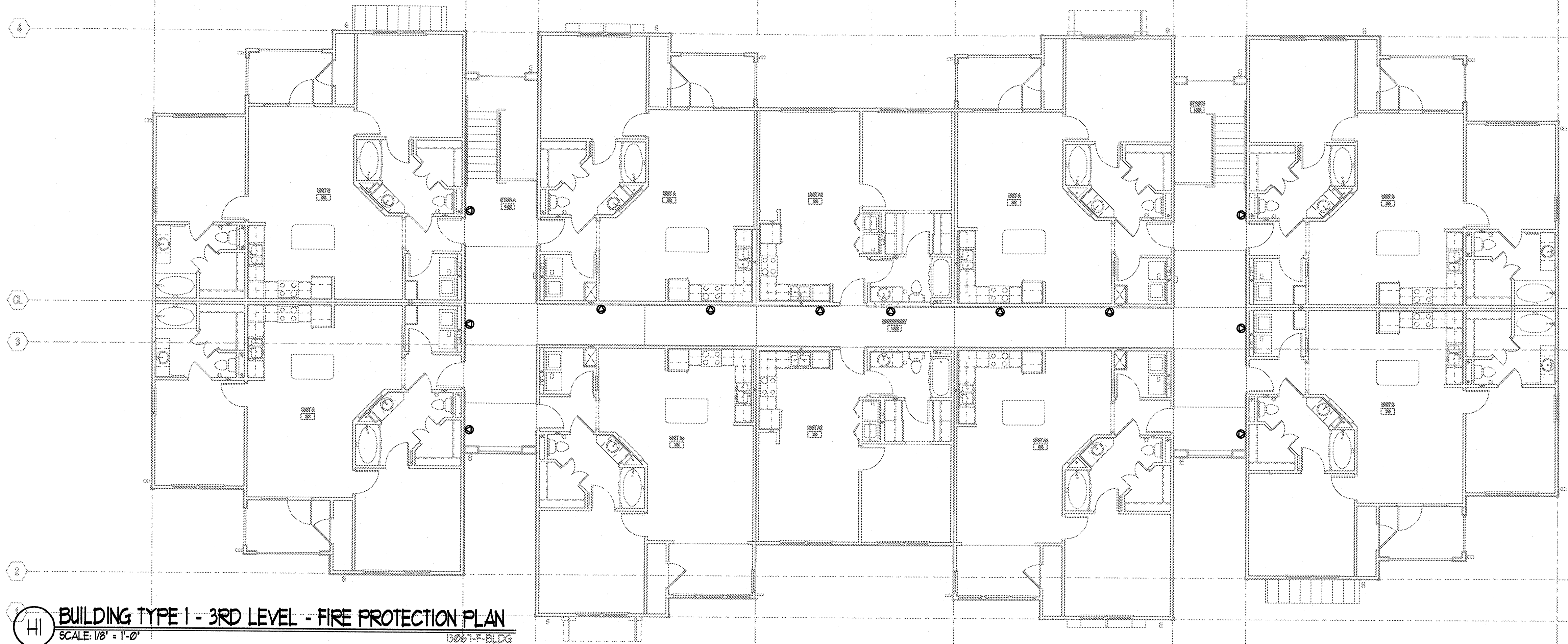
<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: GHK Checked: GHK Approved: GHK Date: 09-05-2013 Project #: 5189
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<b>BUILDING TYPE 1 2ND LEVEL FIRE PROTECTION PLAN</b>	<b>F2.02</b>
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LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.



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**BUILDING TYPE I - 3RD LEVEL - FIRE PROTECTION PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-F-BLDG

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
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 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
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**KTD Consulting Engineers** PROJECT # 13098  
 ALTAMONTE SPRINGS, FL 32714  
 287 S. WESTMONTE DRIVE  
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 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480  
 www.ktdengineers.com

<b>SUMMER BAY APARTMENTS</b>	Drawn: GHK
Lake County, FL	Checked: GHK
	Approved: GHK
	Date: 09-05-2013
	Project #: 5189

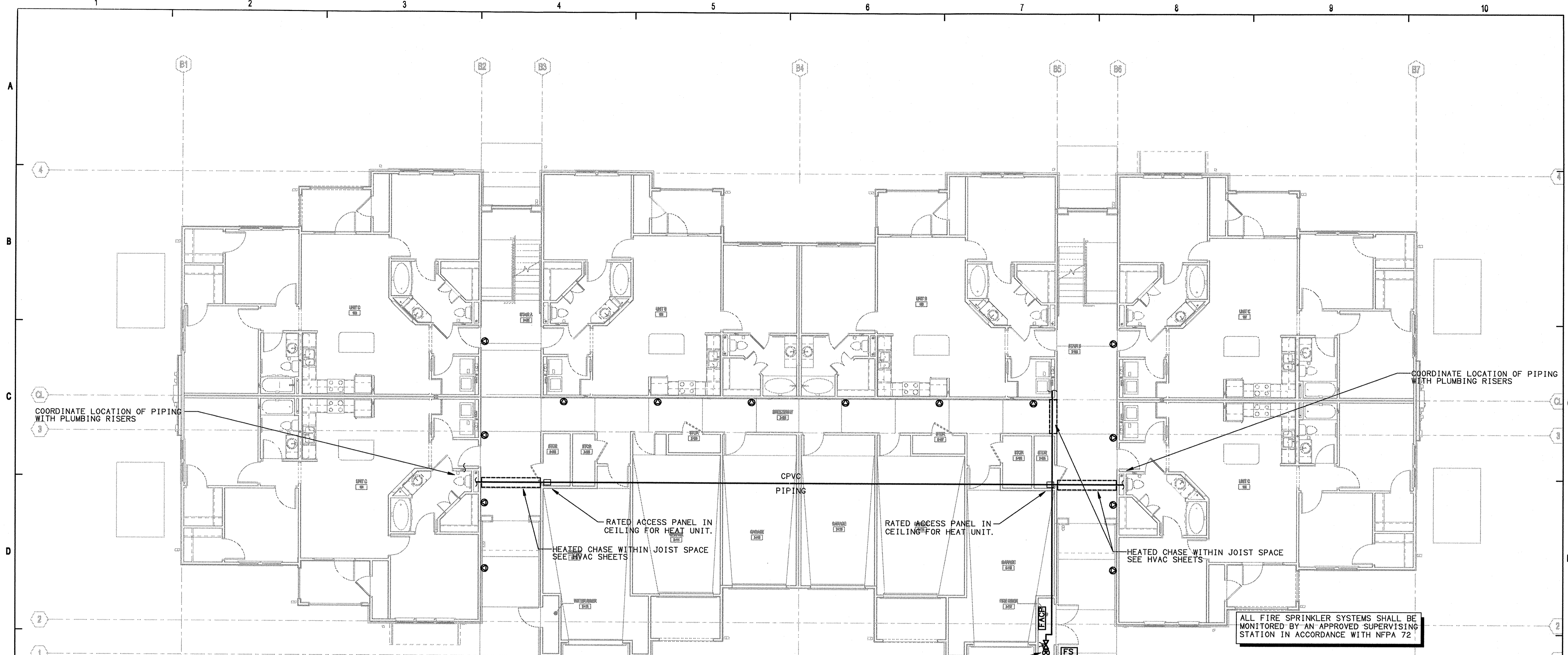
**BUILDING TYPE 1  
 3RD LEVEL  
 FIRE PROTECTION PLAN** F2.03

LAKE COUNTY BUILDING DIVISION  
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RECEIVED DEC 04 2013

ENGINEER OF RECORD  
 LICENSE NO. 48919  
**GREG A. KLEBANOFF**  
 PROFESSIONAL ENGINEER  
 STATE OF FLORIDA

251006713067-F-BLDG.DWG 12' x 11' PLOTTER: 8/27/2014 2:50 PM



**HI BUILDING TYPE 2 - GROUND LEVEL - FIRE PROTECTION PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-F-BLDG

FIRE SPRINKLER RISER WITH RESIDENTIAL MANIFOLD IN FIRE RISER CLOSET. INDICATING VALVES TO HAVE TAMPER SWITCHES. WIRED BY OTHERS.  
 6" ELECTRIC BELL IN WEATHER PROOF BOX, AND STROBE LIGHT MOUNTED ON OUTSIDE OF BLD.  
 UNDERGROUND FIRE SPRINKLER SUPPLY AND BACKFLOW PREVENTER TO BE SIZED BY FIRE SPRINKLER CONTRACTOR HYDRAULIC CALCULATIONS. SEE CIVIL UTILITY PLAN FOR CONTINUATION.  
 POINT OF CONNECTION AT 1'-0" OFF  
 1 1/2" SINGLE OUTLET RESIDENTIAL F. D. C. WITH BREAKAWAY CAPS.  
 WILKINS 950XLTADB DDCVA PREVENTER. INDICATING VALVES TO HAVE TAMPER SWITCHES. WIRED BY OTHERS.

**SPRINKLER SYSTEM DESIGN CRITERIA**

- (A) DRAWINGS ARE DRAWN TO AN INDICATED SCALE, ON SHEETS OF UNIFORM SIZE, WITH A PLAN OF EACH FLOOR.
- (B) NAME OF OWNER AND OCCUPANT IS ON PROJECT COVER SHEET.
- (C) THE LOCATION INCLUDING STREET ADDRESS IS ON THE PROJECT COVER SHEET.
- (D) POINT OF COMPASS IS SHOWN ON ALL FLOOR PLANS AND PARTIAL PLANS.
- (E) CEILING CONSTRUCTION IS INDICATED BY LEGEND AND APPROPRIATE NOTES ON THE ARCHITECTURAL PLANS.
- (F) FULL HEIGHT CROSS SECTION, INCLUDING BUILDING HEIGHT IN FEET IS SHOWN ON ARCHITECTURAL PLANS.
- (G) LOCATIONS OF FIRE WALLS ARE SHOWN ON LIFE SAFETY PLANS.
- (H) LOCATIONS OF PARTITIONS ARE SHOWN ON ARCHITECTURAL PLANS.
- (I) CONSTRUCTION AND OCCUPANCY OF BUILDING IS SHOWN ON SHEET A-1.
- (J) FIRE WALLS, FIRE DOORS, UNPROTECTED WINDOW OPENING, LARGE UNPROTECTED FLOOR OPENINGS, AND BLIND SPACES ARE SHOWN ON LIFE SAFETY PLANS.
- (K) OCCUPANCY OF AREA OR ROOM IS INDICATED BY ROOM NAMES.
- (L) LOCATION AND SIZE OF CONCEALED SPACES, CLOSETS, AND BATHROOMS ARE INDICATED ON ARCHITECTURAL PLANS.
- (M) ANY QUESTIONABLE SMALL ENCLOSURE IN WHICH NO SPRINKLERS ARE TO BE INSTALLED ARE DEFINED AND NOTED AS NOT HAVING ANY AUTOMATIC SPRINKLERS ON FIRE SPRINKLER PLANS.
- (N) DISTANCE TO AND CONSTRUCTION AND OCCUPANCY OF EXPOSING BUILDINGS - E. G., LUMBER YARDS, BRICK MERCANTILES, FIRE RESISTIVE OFFICE BUILDINGS, ETC., ARE INDICATED ON SCALED SITE PLANS.
- (O) PROPERTY IS LOCATED IN A FLOOD AREA AND CONSIDERATION HAS BEEN TAKEN IN THE DESIGN OF SPRINKLER SYSTEMS.
- (P) NAME, ADDRESS AND PHONE NUMBER OF THE ENGINEER OF RECORD FOR THE CONSTRUCTION DRAWING DESIGN IS SHOWN ON EACH DRAWING SHEET.
- (Q) SIZE OF CIRCULATING MAIN IN STREET, PRESSURE IN PSI AND CITY MAIN TEST RESULTS IN ACCORDANCE WITH NFPA 13, APPENDIX B-2-1 ARE INDICATED ON FIRE PROTECTION SITE PLAN.
- (R) STATIC AND RESIDUAL PRESSURE READINGS RECORDED, THE SIZE OF MAINS SUPPLYING THESE HYDRANTS AND AUTHORITY HAVING JURISDICTION ARE INDICATED ON FIRE PROTECTION SITE PLAN.
- (S) OTHER SOURCES OF WATER SUPPLY, WITH PRESSURE OR ELEVATION ARE NOT APPLICABLE. CITY MAINS ARE THE ONLY SUPPLY SOURCES.
- (T) LOCATION OF NEAREST PUMPING STATION IS NOT APPLICABLE.
- (U) DATA COVERING WATERWORKS SYSTEM IN SMALL TOWNS IN ORDER TO EXPEDITE THE REVIEW OF PLANS IS NOT APPLICABLE.
- (V) TEMPERATURE RATINGS AND LOCATIONS OF HIGH-TEMPERATURE SPRINKLERS ARE SHOWN ON THE FIRE SPRINKLER FLOOR PLANS.
- (W) TOTAL AREA PROTECTED BY EACH SYSTEM ON EACH FLOOR IS SHOWN ON ARCHITECTURAL PLANS.
- (X) MAXIMUM COVERAGE PER SPRINKLER TYPE AND MAXIMUM VELOCITY IN SYSTEM IS SHOWN ON HYDRAULIC CALCULATIONS, REFER TO HYDRAULIC CALCULATIONS LOCATED IN SPECIFICATIONS SECTION 15500.
- (Y) LOCATIONS OF ALL SPRINKLER HEADS ARE INDICATED ON FLOOR PLANS.
- (Z) WHERE EXTENSION TO PRESENT SYSTEM, NEW AND EXISTING SPRINKLERS RISER PER FLOOR, AND SPRINKLERS ALREADY INSTALLED ARE NOT IN THE SCOPE OF WORK.
- (AA) DRY-PIPE VALVES ARE INDICATED ON SPRINKLER PLANS.
- (BB) PREACTION VALVES ARE NOT IN THE SCOPE OF THIS WORK.
- (CC) ALARM BELLS ARE SHOWN ON FLOOR PLANS.
- (DD) APPROXIMATE CAPACITY IN GALLONS OF EACH DRY-PIPE SYSTEM WITH THE BULK PIPE INCLUDED IN ACCORDANCE WITH NFPA 13 TABLE A-5-2-3 IS SHOWN ON FIRE SPRINKLER PLANS.
- (EE) WHERE AN EXTENSION IS MADE TO AN EXISTING DRY-PIPE SYSTEM, THE TOTAL CAPACITY OF THE EXISTING AND ALSO EXTENDED PORTION OF THE SYSTEM IS NOT APPLICABLE.
- (FF) MINIMUM MATERIAL QUALITY REQUIRED AS APPROVED FOR APPLICATION USING PROPER NATIONAL STANDARDS HAS BEEN INCLUDED IN THE SPECIFICATIONS.
- (GG) NOMINAL PIPE SIZE AND LOCATIONS FOR RISERS, BULK/FEED MAINS, STANDPIPES AND CROSS MAINS ARE INDICATED ON THE FLOOR PLANS.
- (HH) ALL CONTROL VALVES, CHECK VALVES, DRAIN PIPES, AND TEST CONNECTION APPLICABLE TO THE SCOPE OF THIS WORK, ARE INDICATED ON FLOOR PLANS AND SCHEMATICS.
- (II) SIZE AND LOCATION OF HOSE OUTLETS, AND RELATED EQUIPMENT ARE INDICATED ON FLOOR PLANS.
- (JJ) EXISTING UNDERGROUND PIPE SIZE, CLASS LENGTH, LOCATION, WEIGHT, MATERIAL, POINT OF CONNECTION TO MAIN, TYPE OF VALVES, METERS, AND VALVE PITS, AND THE DEPTH THAT TOP OF THE PIPE IS LAID BELOW GRADE SHALL BE VERIFIED BY THE FIRE PROTECTION CONTRACTOR.
- (KK) PROVISION FOR FLUSHING IS INDICATED ON THE FLOOR PLANS.
- (LL) WHERE EQUIPMENT IS TO BE INSTALLED AS AN ADDITION TO AN EXISTING SYSTEM, ENOUGH OF THE EXISTING SYSTEM IS INDICATED ON THE PLANS TO MAKE ALL CONDITIONS CLEAR.
- (MM) NOT USED.
- (NN) TO BE PROVIDED BY INSTALLING SPRINKLER SYSTEM CONTRACTOR; HYDRAULIC CALCULATIONS INCLUDE THE FOLLOWING INFORMATION REQUIRED IN CHAPTER 7, NFPA 13, LATEST EDITION:  
 A SUMMARY SHEET FOR EACH SET OF HYDRAULIC CALCULATIONS.  
 A GRAPH SHEET WITH THE HYDRAULIC CALCULATIONS SHOWING THE WATER SUPPLY CURVE, HOSE DEMANDS AND SYSTEM(S) REQUIREMENTS.  
 HYDRAULIC REFERENCE POINTS ARE INDICATED ON THE PLANS FROM THE MOST HYDRAULICALLY REMOTE SPRINKLER TO THE POINT OF WATER FLOW TEST. (POINT OF SERVICE)  
 CENTER-TO-CENTER DIMENSIONS AND NOMINAL PIPE DIAMETERS FROM THE POINT OF WATER FLOW TEST (POINT OF SERVICE) TO AND INCLUDING THE REMOTE AREA ARE INDICATED ON THE PLANS.
- (OO) INSTRUMENTATION, CONTROLS, ALARMS, AND DETECTION DEVICES RELATED TO THE SPRINKLER SYSTEMS ARE SHOWN ON FLOOR PLANS.
- (PP) FLOW TESTS WERE CONDUCTED AT HYDRANTS ON THE UTILITY SUPPLY SYSTEM, IN ACCORDANCE WITH NFPA 13 APPENDIX B (LATEST) AND NFPA 291, RECOMMENDED PRACTICE FOR FIRE FLOW TESTING AND MARKING OF HYDRANTS.
- (QQ) KITCHENS AND ADJACENT DRY STORAGE AREAS ARE PROTECTED AS SHOWN ON THE PLANS.
- (RR) PORTIONS OF THE SPRINKLERS SYSTEMS SUBJECT TO FREEZING TEMPERATURES, ARE PROTECTED BY DRY-PIPE SYSTEMS.
- (SS) SPRINKLER COVERAGE FOR ELEVATOR SHAFT(S) AND ELEVATOR EQUIPMENT ROOM ARE SHOWN ON FLOOR PLANS.
- (TT) BUILDING IS DESIGNED TO BE 100 PERCENT SPRINKLERED PER NFPA 13R, 2010 EDITION.

(NOTE:  
 1. INSTALLING SPRINKLER SYSTEM CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO PLANS REVIEW OFFICE FOR REVIEW AND PERMANENT RECORD PRIOR TO INSTALLATION.  
 2. THE SPRINKLER SYSTEM INSTALLER SHALL PERFORM ALL REQUIRED ACCEPTANCE TESTS, COMPLETE THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE(S), AND FORWARD THE CERTIFICATE(S) TO THE AUTHORITY HAVING JURISDICTION PRIOR TO ASKING FOR APPROVAL OF THE INSTALLATION.

LAKE COUNTY BUILDING DIVISION  
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ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

REVISION HISTORY		
No.	Date	Description

**FUGLEBERG KOCH**  
 P.L.L.C.  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com LA26002103

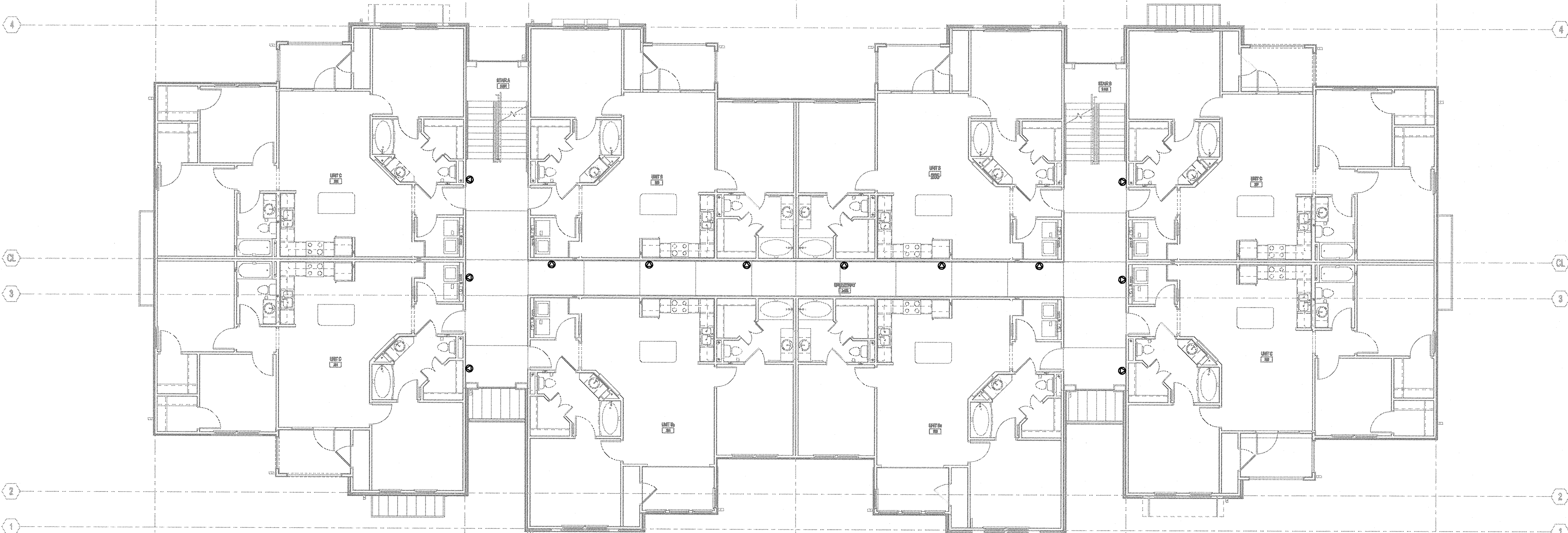
**KTD Consulting Engineers** PROJECT # 13036  
 237 S. WESTMONTA DRIVE  
 LEESBURG, VA 20178  
 804 S. KING ST, SUITE 007  
 LEESBURG, VA 20178  
 PH: 703.840.0480 www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
 Lake County, FL

**BUILDING TYPE 2 GROUND LEVEL FIRE PROTECTION PLAN** F2.05

ENGINEER OF RECORD  
 GREG H. KLEBANOFF  
 LICENSE NO. 45019  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

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**HI BUILDING TYPE 2 - 2ND LEVEL - FIRE PROTECTION PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-F-BLDG

**ISSUE HISTORY**

No.	Date	Description
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**REVISION HISTORY**

No.	Date	Description



**FUGLEBERG KOCH**  
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 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
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**KTD Consulting Engineers** PROJECT # 13038  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7900  
 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480 www.ktdengineers.com

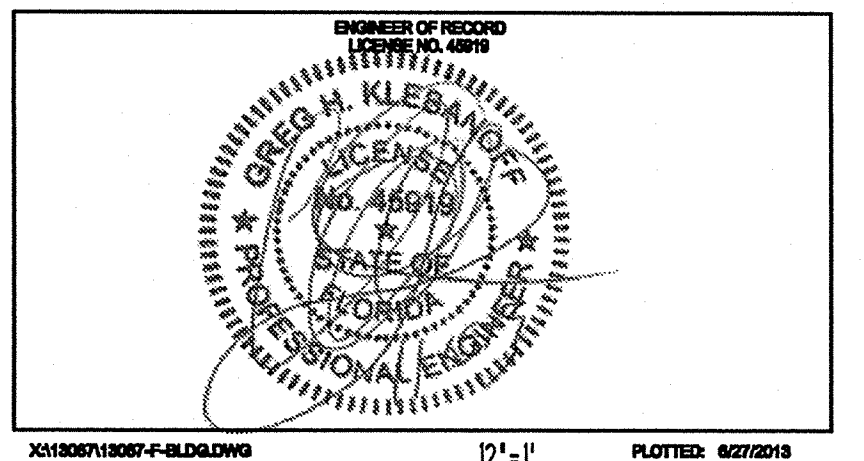
**SUMMER BAY APARTMENTS**  
 Lake County, FL

Drawn:	GHK
Checked:	GHK
Approved:	GHK
Date:	09-05-2013
Project #:	5169

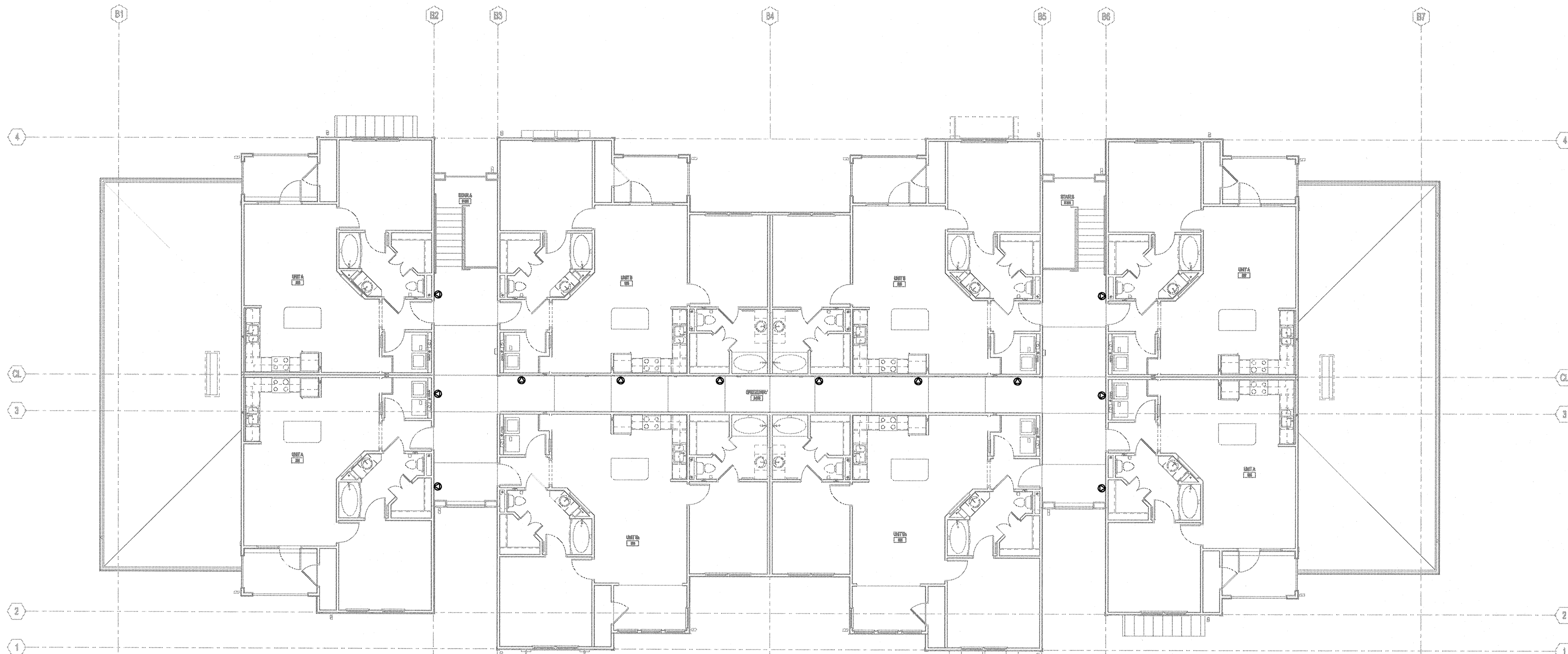
**BUILDING TYPE 2  
 2ND LEVEL  
 FIRE PROTECTION PLAN**

F2.06

LAKE COUNTY BUILDING DIVISION  
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**HI BUILDING TYPE 2 - 3RD LEVEL - FIRE PROTECTION PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-F-BLDG

ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT
REVISION HISTORY		
No.	Date	Description



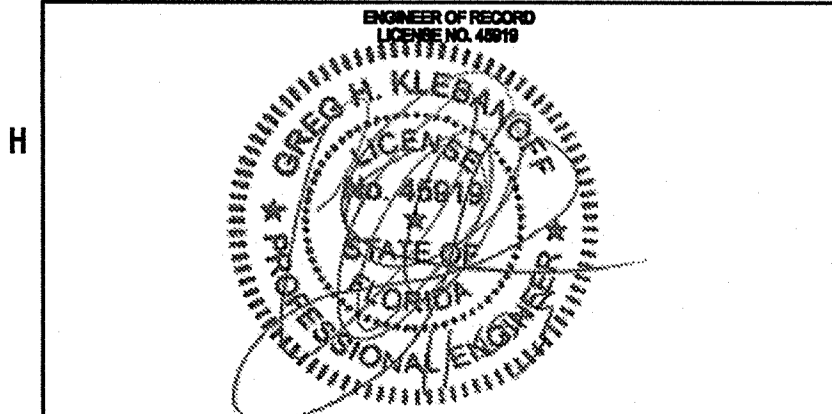
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13039  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7600  
 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480  


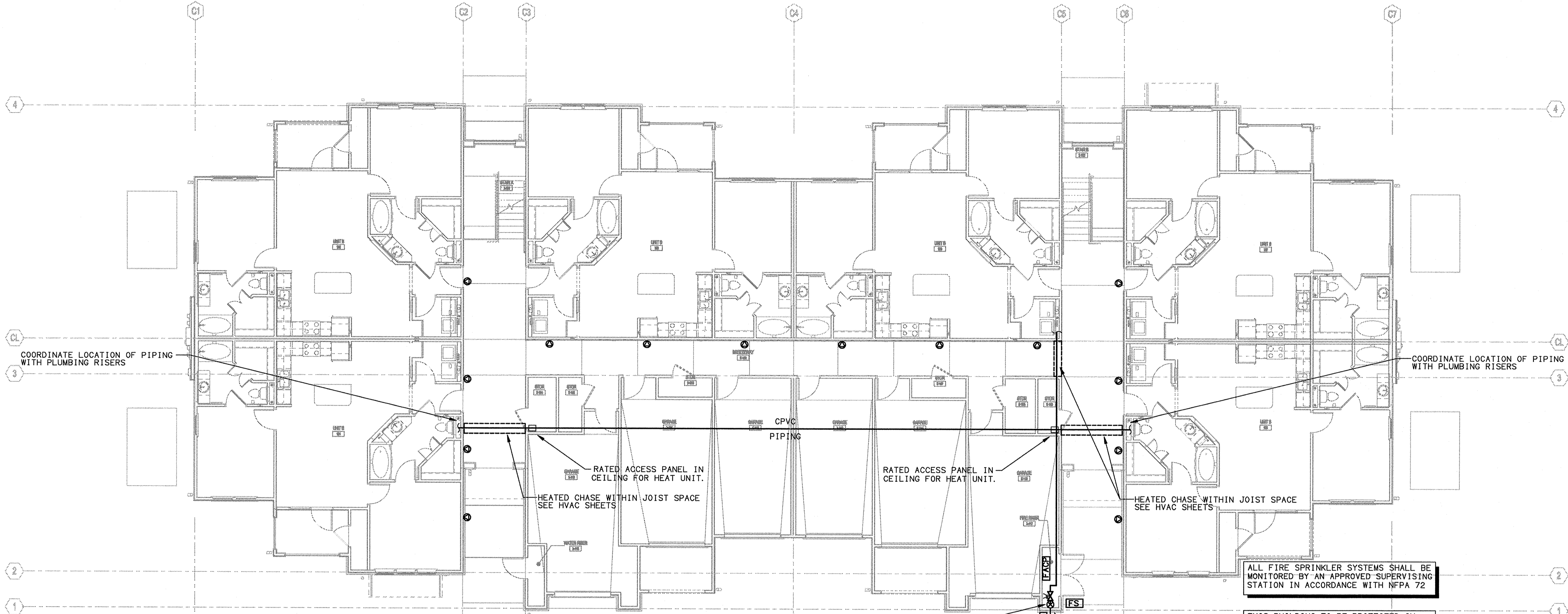
<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: GHK
	Checked: GHK
	Approved: GHK
	Date: 08-05-2013
Project #: 5189	

<b>BUILDING TYPE 2 3RD LEVEL FIRE PROTECTION PLAN</b>	<b>F2.07</b>
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LAKE COUNTY BUILDING DIVISION  
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RECEIVED DEC 04 2013



**BUILDING TYPE 3 - GROUND LEVEL - FIRE PROTECTION PLAN**  
 SCALE: 1/8" = 1'-0"  
 1001-F-BLDG

FIRE SPRINKLER RISER WITH RESIDENTIAL MANIFOLD IN FIRE RISER CLOSET. INDICATING VALVES TO HAVE TAMPER SWITCHES. WIRED BY OTHERS.  
 6" ELECTRIC BELL IN WEATHER PROOF BOX AND STROBE LIGHT MOUNTED ON OUTSIDE OF BLD.  
 UNDERGROUND FIRE SPRINKLER SUPPLY AND BACKFLOW PREVENTER TO BE SIZED BY FIRE SPRINKLER CONTRACTOR HYDRAULIC CALCULATIONS. SEE CIVIL UTILITY PLAN FOR CONTINUATION.

POINT OF CONNECTION AT 1'-0" AFF  
 1 1/2" SINGLE OUTLET RESIDENTIAL F.D.C. WITH BREAKAWAY CAPS.  
 WILKINS 950XLDABF DDCVA PREVENTER. INDICATING VALVES TO HAVE TAMPER SWITCHES. WIRED BY OTHERS.

ALL FIRE SPRINKLER SYSTEMS SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72

THIS BUILDING TO BE PROTECTED IN ACCORDANCE WITH NFPA-13R 2010 EDITION AND FLORIDA BUILDING CODE 2010 EDITION.

THE FIRE SPRINKLER CONTRACTOR UPON ACCEPTANCE OF CONTRACT FOR INSTALLATION SHALL ASSUME RESPONSIBILITIES OF ENGINEER OF RECORD.

**SPRINKLER SYSTEM DESIGN CRITERIA**

- (A) DRAWINGS ARE DRAWN TO AN INDICATED SCALE, ON SHEETS OF UNIFORM SIZE, WITH A PLAN OF EACH FLOOR.
  - (B) NAME OF OWNER AND OCCUPANT IS ON PROJECT COVER SHEET.
  - (C) THE LOCATION INCLUDING STREET ADDRESS IS ON THE PROJECT COVER SHEET.
  - (D) POINT OF COMPASS IS SHOWN ON ALL FLOOR PLANS AND PARTIAL PLANS.
  - (E) CEILING CONSTRUCTION IS INDICATED BY LEGEND AND APPROPRIATE NOTES ON THE ARCHITECTURAL PLANS.
  - (F) FULL HEIGHT CROSS SECTION, INCLUDING BUILDING HEIGHT IN FEET IS SHOWN ON ARCHITECTURAL PLANS.
  - (G) LOCATIONS OF FIRE WALLS ARE SHOWN ON LIFE SAFETY PLANS.
  - (H) LOCATIONS OF PARTITIONS ARE SHOWN ON ARCHITECTURAL PLANS.
  - (I) CONSTRUCTION AND OCCUPANCY OF BUILDING IS SHOWN ON SHEET A-1.
  - (J) FIRE WALLS, FIRE DOORS, UNPROTECTED WINDOW OPENING, LARGE UNPROTECTED FLOOR OPENINGS, AND BLIND SPACES ARE SHOWN ON LIFE SAFETY PLANS.
  - (K) OCCUPANCY OF AREA OR ROOM IS INDICATED BY ROOM NAMES.
  - (L) LOCATION AND SIZE OF CONCEALED SPACES, CLOSETS, AND BATHROOMS ARE INDICATED ON ARCHITECTURAL PLANS.
  - (M) ANY QUESTIONABLE SMALL ENCLOSURE IN WHICH NO SPRINKLERS ARE TO BE INSTALLED ARE DEFINED AND NOTED AS NOT HAVING ANY AUTOMATIC SPRINKLERS ON FIRE SPRINKLER PLANS.
  - (N) DISTANCE TO AND CONSTRUCTION AND OCCUPANCY OF EXPOSING BUILDINGS - E.G., LUMBER YARDS, BRICK MERCANTILES, FIRE RESISTIVE OFFICE BUILDINGS, ETC., ARE INDICATED ON SCALED SITE PLANS.
  - (O) PROPERTY IS LOCATED IN A FLOOD AREA AND CONSIDERATION HAS BEEN TAKEN IN THE DESIGN OF SPRINKLER SYSTEMS.
  - (P) NAME, ADDRESS AND PHONE NUMBER OF THE ENGINEER OF RECORD FOR THE CONSTRUCTION DRAWING DESIGN IS SHOWN ON EACH DRAWING SHEET.
  - (Q) SIZE OF CIRCULATING MAIN IN STREET, PRESSURE IN PSI AND CITY MAIN TEST RESULTS IN ACCORDANCE WITH NFPA 13, APPENDIX B-2-1 ARE INDICATED ON FIRE PROTECTION SITE PLAN.
  - (R) STATIC AND RESIDUAL PRESSURE READINGS RECORDED, THE SIZE OF MAINS SUPPLYING THESE HYDRANTS AND AUTHORITY HAVING JURISDICTION ARE INDICATED ON FIRE PROTECTION SITE PLAN.
  - (S) OTHER SOURCES OF WATER SUPPLY, WITH PRESSURE OR ELEVATION ARE NOT APPLICABLE. CITY MAINS ARE THE ONLY SUPPLY SOURCES.
  - (T) LOCATION OF NEAREST PUMPING STATION IS NOT APPLICABLE.
  - (U) DATA COVERING WATERWORKS SYSTEM IN SMALL TOWNS IN ORDER TO EXPEDITE THE REVIEW OF PLANS IS NOT APPLICABLE.
  - (V) TEMPERATURE RATINGS AND LOCATIONS OF HIGH-TEMPERATURE SPRINKLERS ARE SHOWN ON THE FIRE SPRINKLER FLOOR PLANS.
  - (W) TOTAL AREA PROTECTED BY EACH SYSTEM ON EACH FLOOR IS SHOWN ON ARCHITECTURAL PLANS.
  - (X) MAXIMUM COVERAGE PER SPRINKLER TYPE AND MAXIMUM VELOCITY IN SYSTEM IS SHOWN ON HYDRAULIC CALCULATIONS. REFER TO HYDRAULIC CALCULATIONS LOCATED IN SPECIFICATIONS SECTION 15500.
  - (Y) LOCATIONS OF ALL SPRINKLER HEADS ARE INDICATED ON FLOOR PLANS.
  - (Z) WHERE EXTENSION TO PRESENT SYSTEM, NEW AND EXISTING SPRINKLERS RISER PER FLOOR, AND SPRINKLERS ALREADY INSTALLED ARE NOT IN THE SCOPE OF WORK.
  - (AA) DRY-PIPE VALVES ARE INDICATED ON SPRINKLER PLANS.
  - (BB) PREACTION VALVES ARE NOT IN THE SCOPE OF THIS WORK.
  - (CC) ALARM BELLIS ARE SHOWN ON FLOOR PLANS.
  - (DD) APPROXIMATE CAPACITY IN GALLONS OF EACH DRY-PIPE SYSTEM WITH THE BULK PIPE INCLUDED IN ACCORDANCE WITH NFPA 13 TABLE A-5-2-3 IS SHOWN ON FIRE SPRINKLER PLANS.
  - (EE) WHERE AN EXTENSION IS MADE TO AN EXISTING DRY-PIPE SYSTEM, THE TOTAL CAPACITY OF THE EXISTING AND ALSO EXTENDED PORTION OF THE SYSTEM IS NOT APPLICABLE.
  - (FF) MINIMUM MATERIAL QUALITY REQUIRED AS APPROVED FOR APPLICATION USING PROPER NATIONAL STANDARDS HAS BEEN INCLUDED IN THE SPECIFICATIONS.
  - (GG) NOMINAL PIPE SIZE AND LOCATIONS FOR RISERS, BULK/FEED MAINS, STANDPIPES AND CROSS MAINS ARE INDICATED ON THE FLOOR PLANS.
  - (HH) ALL CONTROL VALVES, CHECK VALVES, DRAIN PIPES, AND TEST CONNECTION APPLICABLE TO THE SCOPE OF THIS WORK, ARE INDICATED ON FLOOR PLANS AND SCHEMATICS.
  - (II) SIZE AND LOCATION OF HOSE OUTLETS, AND RELATED EQUIPMENT ARE INDICATED ON FLOOR PLANS.
  - (JJ) EXISTING UNDERGROUND PIPE SIZE, CLASS LENGTH, LOCATION, WEIGHT, MATERIAL, POINT OF CONNECTION TO MAIN, TYPE OF VALVES, METERS, AND VALVE PITS, AND THE DEPTH THAT TOP OF THE PIPE IS LAID BELOW GRADE SHALL BE VERIFIED BY THE FIRE PROTECTION CONTRACTOR.
  - (KK) PROVISION FOR FLUSHING IS INDICATED ON THE FLOOR PLANS.
  - (LL) WHERE EQUIPMENT IS TO BE INSTALLED AS AN ADDITION TO AN EXISTING SYSTEM, ENOUGH OF THE EXISTING SYSTEM IS INDICATED ON THE PLANS TO MAKE ALL CONDITIONS CLEAR.
  - (MM) NOT USED
  - (NN) TO BE PROVIDED BY INSTALLING SPRINKLER SYSTEM CONTRACTOR; HYDRAULIC CALCULATIONS INCLUDE THE FOLLOWING INFORMATION REQUIRED IN CHAPTER 7, NFPA 13, LATEST EDITION:  
 A SUMMARY SHEET FOR EACH SET OF HYDRAULIC CALCULATIONS.  
 A GRAPH SHEET WITH THE HYDRAULIC CALCULATIONS SHOWING THE WATER SUPPLY CURVE, HOSE DEMANDS AND SYSTEM(S) REQUIREMENTS.  
 HYDRAULIC REFERENCE POINTS ARE INDICATED ON THE PLANS FROM THE MOST HYDRAULICALLY REMOTE SPRINKLER TO THE POINT OF WATER FLOW TEST. (POINT OF SERVICE)  
 CENTER-TO-CENTER DIMENSIONS AND NOMINAL PIPE DIAMETERS FROM THE POINT OF WATER FLOW TEST (POINT OF SERVICE) TO AND INCLUDING THE REMOTE AREA ARE INDICATED ON THE PLANS.
  - (OO) INSTRUMENTATION, CONTROLS, ALARMS, AND DETECTION DEVICES RELATED TO THE SPRINKLER SYSTEMS ARE SHOWN ON FLOOR PLANS.
  - (PP) FLOW TESTS WERE CONDUCTED AT HYDRANTS ON THE UTILITY SUPPLY SYSTEM, IN ACCORDANCE WITH NFPA 13 APPENDIX B (LATEST) AND NFPA 291, RECOMMENDED PRACTICE FOR FIRE FLOW TESTING AND MARKING OF HYDRANTS.
  - (QQ) KITCHENS AND ADJACENT DRY STORAGE AREAS ARE PROTECTED AS SHOWN ON THE PLANS.
  - (RR) PORTIONS OF THE SPRINKLERS SYSTEMS SUBJECT TO FREEZING TEMPERATURES, ARE PROTECTED BY DRY-PIPE SYSTEMS.
  - (SS) SPRINKLER COVERAGE FOR ELEVATOR SHAFT(S) AND ELEVATOR EQUIPMENT ROOM ARE SHOWN ON FLOOR PLANS.
  - (TT) BUILDING IS DESIGNED TO BE 100 PERCENT SPRINKLERED PER NFPA 13R, 2010 EDITION.
- (NOTE:  
 1. INSTALLING SPRINKLER SYSTEM CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO PLANS REVIEW OFFICE FOR REVIEW AND PERMANENT RECORD PRIOR TO INSTALLATION.  
 2. THE SPRINKLER SYSTEM INSTALLER SHALL PERFORM ALL REQUIRED ACCEPTANCE TESTS, COMPLETE THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE(S), AND FORWARD THE CERTIFICATE(S) TO THE AUTHORITY HAVING JURISDICTION PRIOR TO ASKING FOR APPROVAL OF THE INSTALLATION.

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**SUMMER BAY APARTMENTS**  
 Lake County, FL

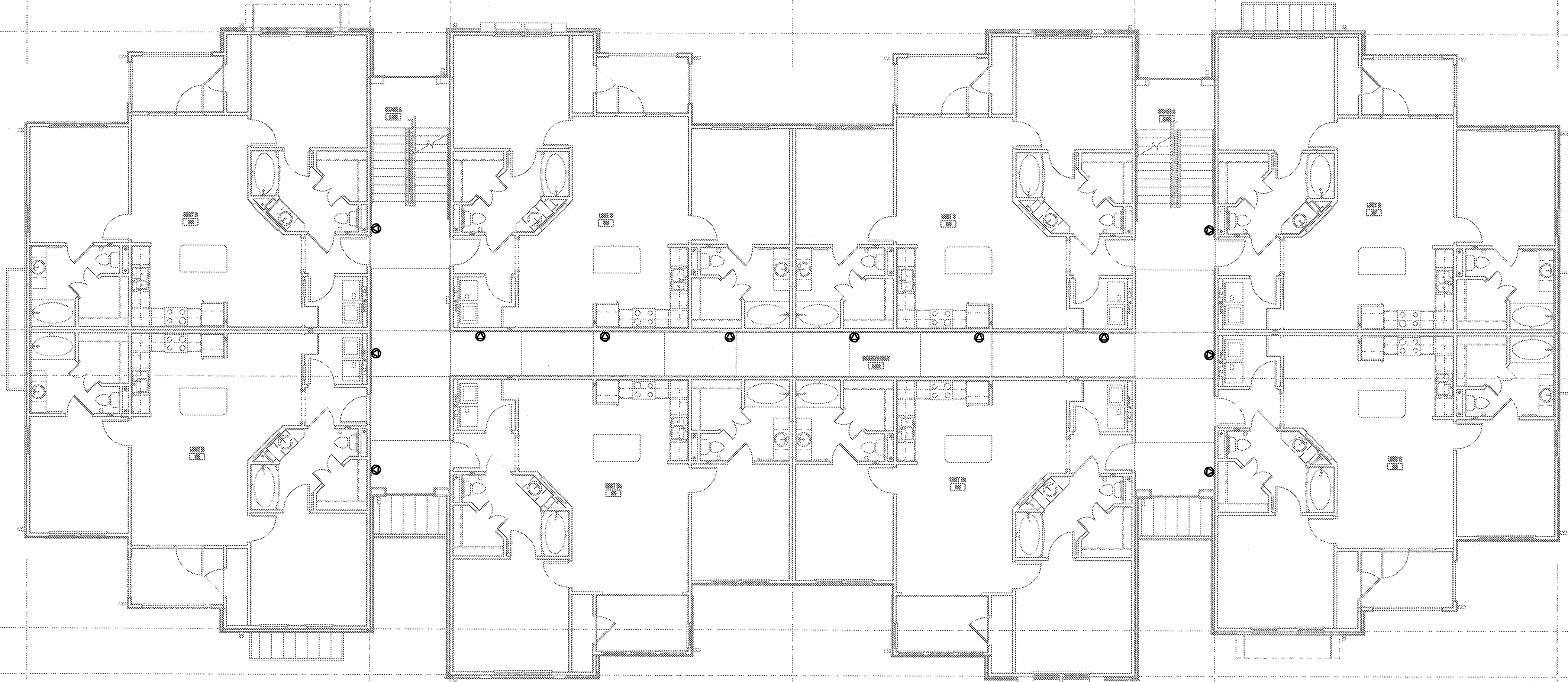
**BUILDING TYPE 3 GROUND LEVEL FIRE PROTECTION PLAN** F2.09

LAKE COUNTY BUILDING DIVISION  
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**HI BUILDING TYPE 3 - 2ND LEVEL - FIRE PROTECTION PLAN**  
 SCALE: 1/8" = 1'-0"  
 B061-F-BLDG



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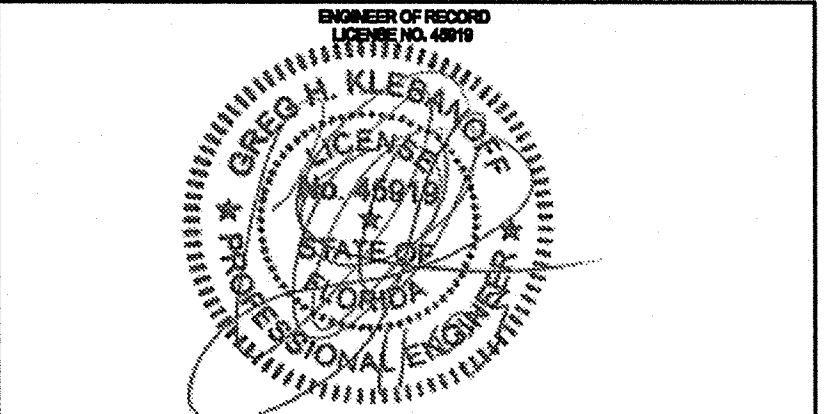
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<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: GHK
	Checked: GHK
	Approved: GHK
	Date: 08-05-2013
Project #: 6189	

<b>BUILDING TYPE 3 2ND LEVEL FIRE PROTECTION PLAN</b>	<b>F2.10</b>
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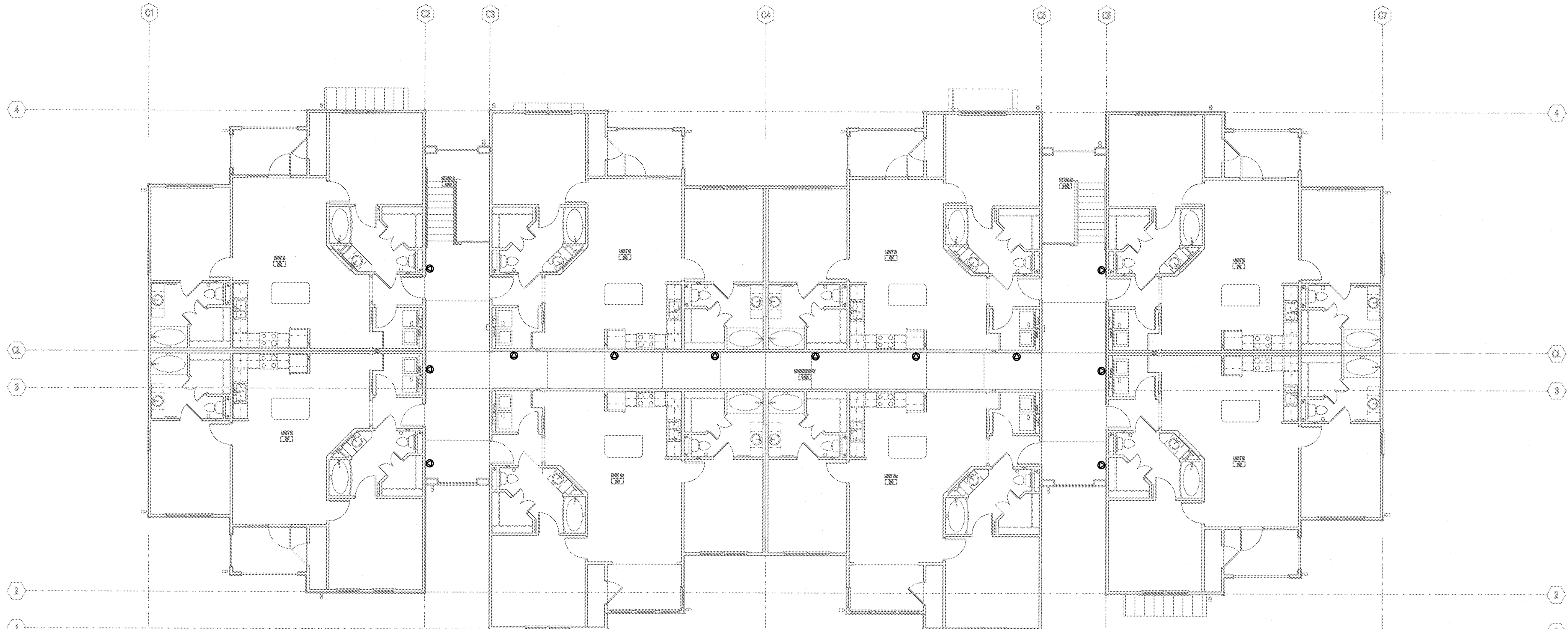
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**HI BUILDING TYPE 3 - THIRD LEVEL - FIRE PROTECTION PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-F-BLDG



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No.	Date	Description



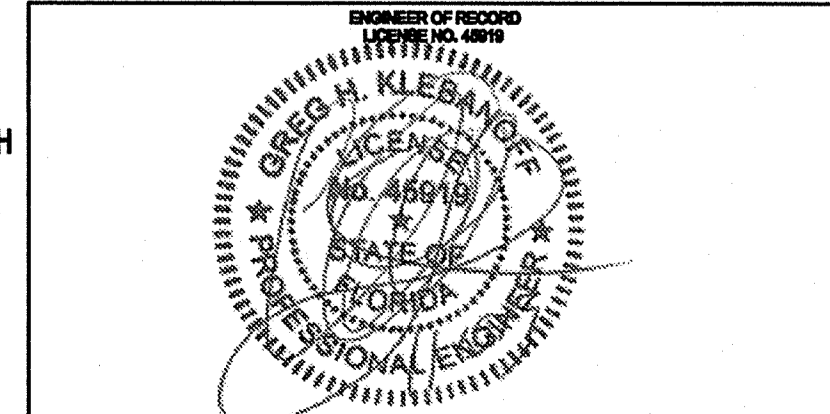
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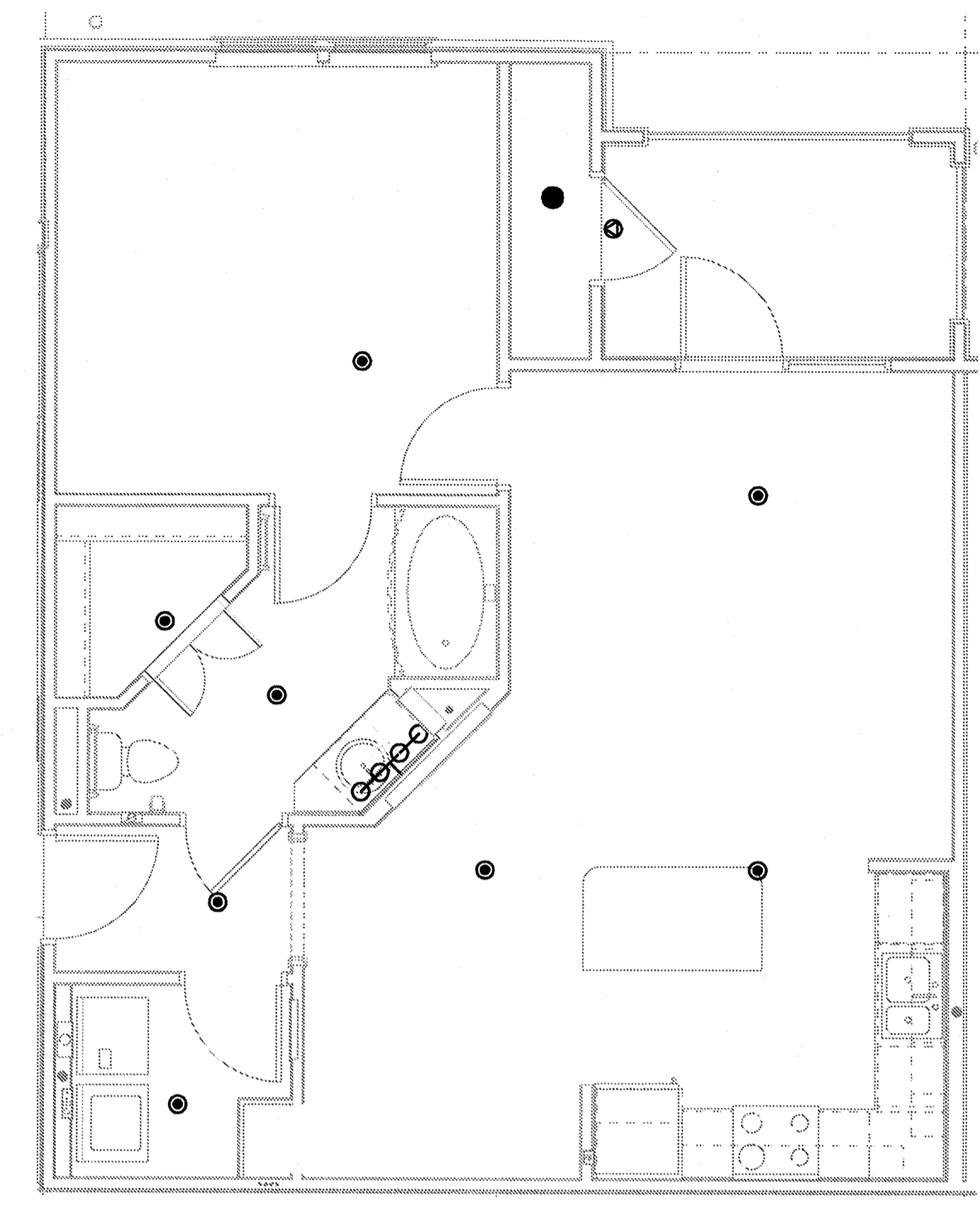
<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: GHK Checked: GHK Approved: GHK Date: 09-05-2013 Project #: 5108
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<b>BUILDING TYPE 3 3RD LEVEL FIRE PROTECTION PLAN</b>	<b>F2.11</b>
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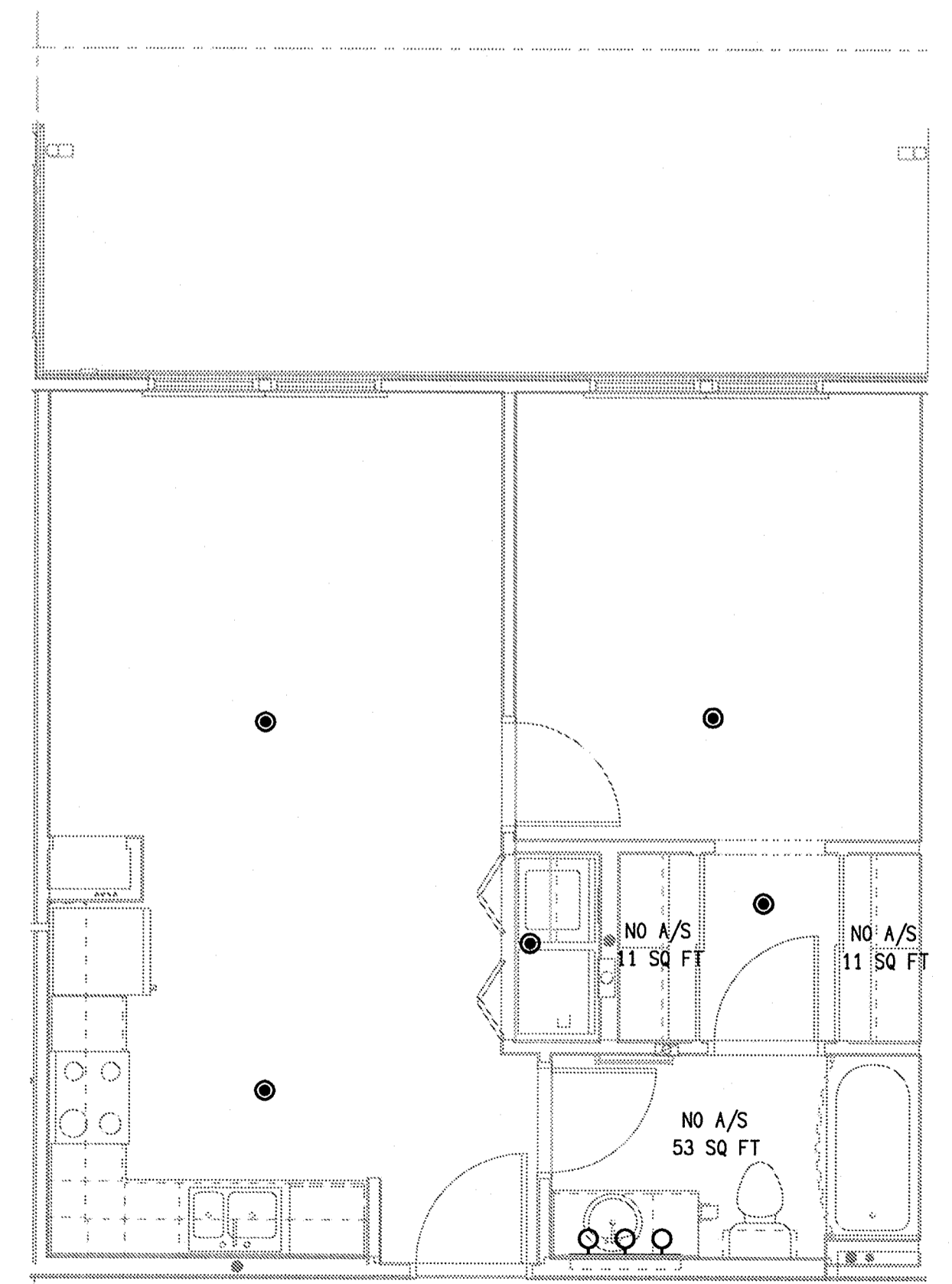


THE INTENT OF THESE DRAWING IS TO SHOW SPRINKLER HEAD LOCATIONS THAT HAVE BEEN COORDINATED WITH OTHER ENGINEERING TRADES (ELECTRICAL AND HVAC). IT IS THE INSTALLING CONTRACTOR THAT IS RESPONSIBLE COMPLETING FULLY COORDINATED DRAWINGS THAT INCLUDE THE PIPING LAYOUT AND HYDRAULIC CALCULATIONS. THIS DRAWING IS INTENDED TO SATISFY THE REQUIREMENTS OF FLORIDA STATE STATUTE 61G-1.5.

THIS BUILDING TO BE PROTECTED IN ACCORDANCE WITH NFPA-13R 2010 EDITION AND FLORIDA BUILDING CODE 2010 EDITION.

THE FIRE SPRINKLER CONTRACTOR UPON ACCEPTANCE OF CONTRACT FOR INSTALLATION SHALL ASSUME RESPONSIBILITIES OF ENGINEER OF RECORD.

**D6 UNIT A - FIRE PROTECTION PLAN**  
SCALE: 1/4" = 1'-0" 13061-F-UNIT



**H6 UNIT A2 - FIRE PROTECTION PLAN**  
SCALE: 1/4" = 1'-0" 13061-F-UNIT

LAKE COUNTY BUILDING DIVISION  
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**SUMMER BAY APARTMENTS**  
Lake County, FL  
Drawn: GHK  
Checked: GHK  
Approved: GHK  
Date: 06-05-2013  
Project #: 5189

**UNIT A & A2 FIRE PROTECTION PLANS** F3.01

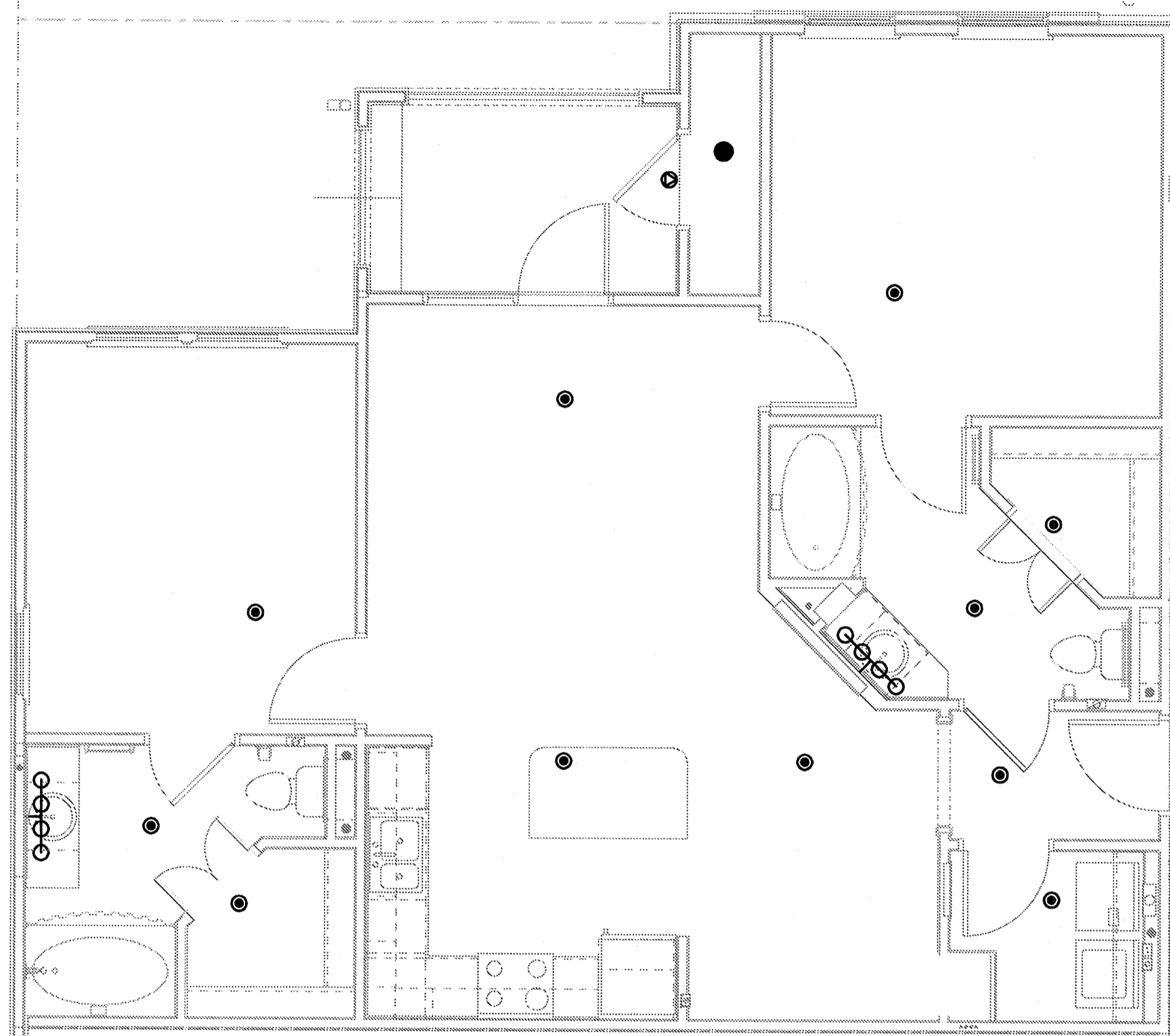
ENGINEER OF RECORD  
GREG H. KLEBANG  
LICENSED PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
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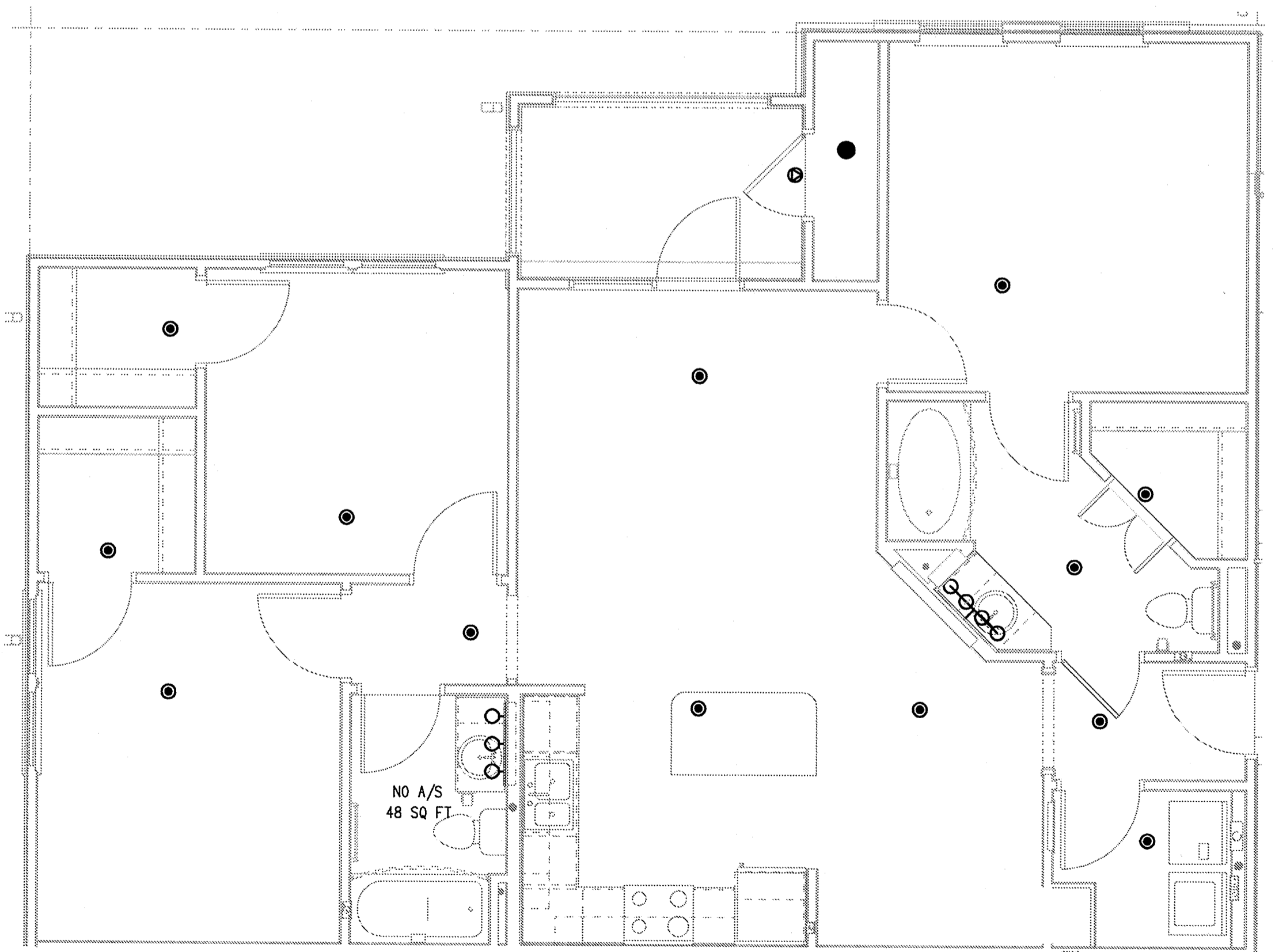
THE INTENT OF THESE DRAWING IS TO SHOW SPRINKLER HEAD LOCATIONS THAT HAVE BEEN COORDINATED WITH OTHER ENGINEERING TRADES (ELECTRICAL AND HVAC). IT IS THE INSTALLING CONTRACTOR THAT IS RESPONSIBLE COMPLETING FULLY COORDINATED DRAWINGS THAT INCLUDE THE PIPING LAYOUT AND HYDRAULIC CALCULATIONS. THIS DRAWING IS INTENDED TO SATISFY THE REQUIREMENTS OF FLORIDA STATE STATUTE 61G-1.5.

THIS BUILDING TO BE PROTECTED IN ACCORDANCE WITH NFPA-13R 2010 EDITION AND FLORIDA BUILDING CODE 2010 EDITION.

THE FIRE SPRINKLER CONTRACTOR UPON ACCEPTANCE OF CONTRACT FOR INSTALLATION SHALL ASSUME RESPONSIBILITIES OF ENGINEER OF RECORD.



**D6 UNIT B - FIRE PROTECTION PLAN**  
SCALE: 1/4" = 1'-0"



**D6 UNIT C - FIRE PROTECTION PLAN**  
SCALE: 1/4" = 1'-0"

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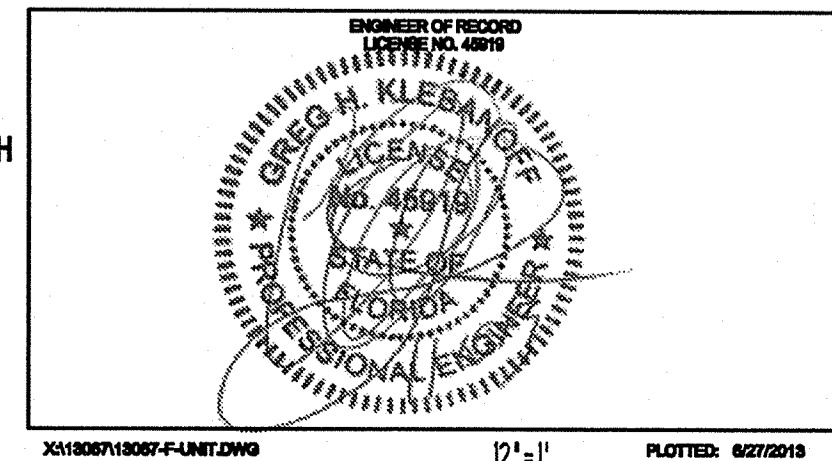
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**SUMMER BAY APARTMENTS**  
Lake County, FL

Drawn:	GHK
Checked:	GHK
Approved:	GHK
Date:	09-05-2013
Project #:	6189

<b>UNIT B &amp; C FIRE PROTECTION PLANS</b>	<b>F3.02</b>
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**LEGEND**

- ABOVE GROUND PIPING
- - - UNDERGROUND PIPING BY THIS CONTRACTOR
- ELBOW DOWN
- TEE DOWN
- ELBOW UP
- TEE UP
- GROOVE CAP
- NIPPLE AND CAP
- DIELECTRIC UNION AT DISSIMILAR MATERIALS
- - - UNDERGROUND PIPING BY SITE CONTRACTOR
- ⊗ RISER/STANDPIPE LOCATION
- ⊕ OS&Y CONTROL VALVE WITH TAMPER SWITCH
- ⊕ INDICATING BUTTERFLY VALVE WITH TAMPER SWITCH
- ⊕ CONTROL VALVE WITH TAMPER SWITCH
- ⊕ SWING CHECK VALVE
- ⊕ WAFER CHECK VALVE
- ⊕ ANGLE VALVE
- ⊕ TEST AND DRAIN VALVE
- ⊕ WATER FLOW SWITCH
- ⊕ PRESSURE GAUGE WITH VALVE COCK
- ⊕ 2½" ANGLE FIRE HOSE VALVE ON STANDPIPE
- ⊕ FREESTANDING FIRE DEPARTMENT SIAMESE CONNECTION
- ⊕ FREESTANDING MOUNTED ROOF MANIFOLD
- ⊕ 10" ELECTRIC BELL
- ⊕ DRAWING REFERENCE NOTE - NUMBER
- ⊕ HYDRAULIC CALCULATION NODE - NUMBER/LETTER

**FLOW TEST:**

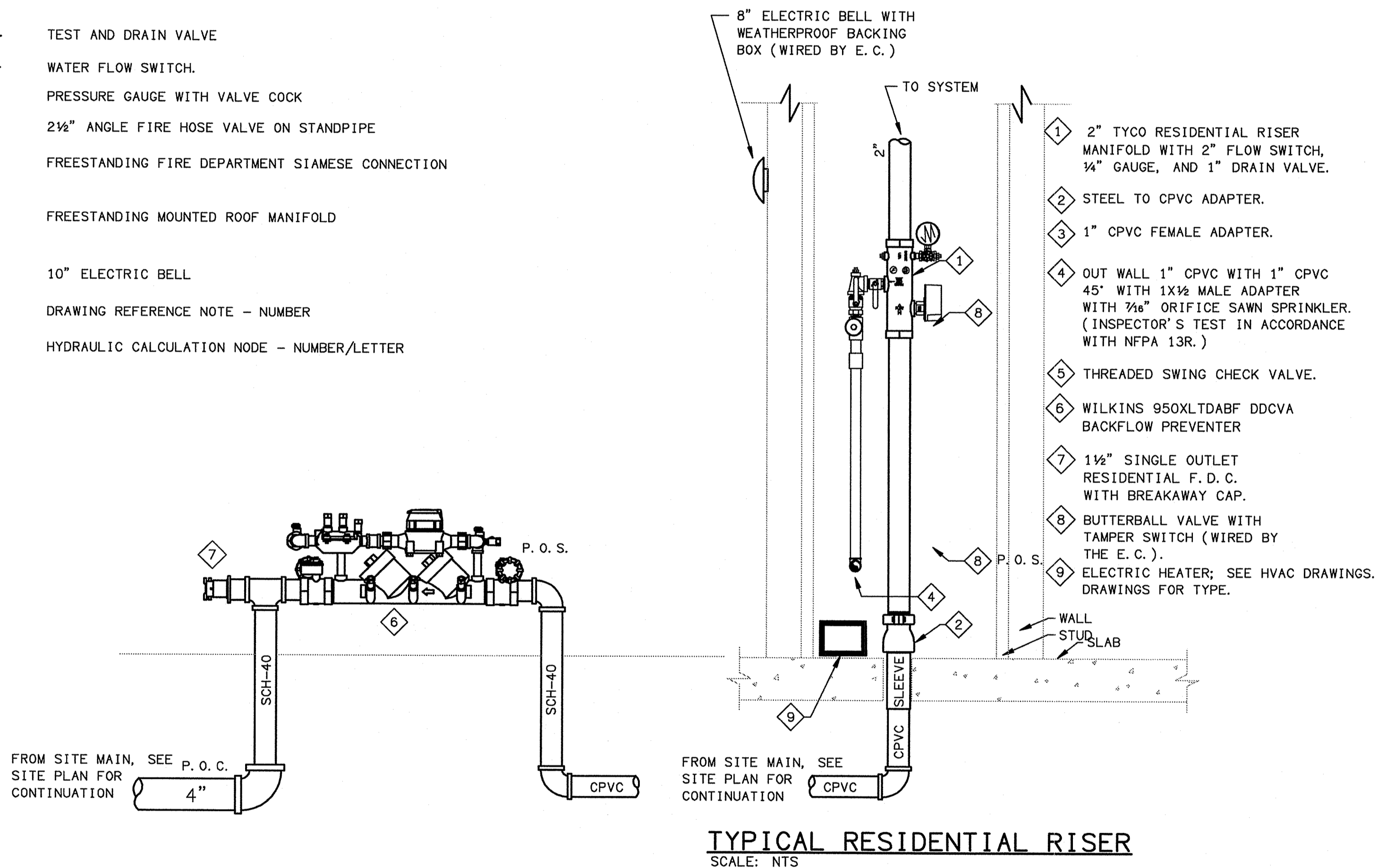
PROVIDED BY: WAYNE AUTOMATIC FIRE SPRINKLERS  
 LOCATION: DUE EAST OF THE PUBLIX AT THE MAIN ENTRANCE TO PROPERTY.  
 DATE TAKEN: 10-25-2013 TIME: 3:00 PM  
 STATIC = 73 PSI  
 RESIDUAL = 65 PSI  
 FLOW = 1160 GPM  
 PITOT = 48 PSI

**DESIGN CRITERIA:**

- 1) ORDINARY HAZARD GROUP 1 : 0.15 GPM PER SQUARE FEET OVER 1500 SQUARE FEET, 130 SQUARE FEET MAXIMUM HEAD SPACING AND 250 GPM HOSE ALLOWANCE. OCCUPANCIES HAVING CONDITIONS SIMILAR TO MECHANICAL ROOMS AND CLOSETS.
- 1) RESIDENTIAL NFPA - 13R, 2010: 0.05 GPM PER SQUARE FEET WITH 100 GPM FOR HOSE ALLOWANCE. RESIDENTIAL SPRINKLER HEAD SPACING TO BE 18' X 18' IN A COMPARTMENT WITH ONLY 1(ONE) HEAD. 16' X16' (OR 16X20 FOR SIDEWALL HEADS) IN A COMPARTMENT WITH 2 OR MORE HEADS.  
 \*COMPARTMENT: A SPACE COMPLETELY ENCLOSED BY WALLS AND A CEILING. THE COMPARTMENT ENCLOSURE IS PERMITTED TO HAVE OPENINGS TO AN ADJOINING SPACE, IF THE OPENINGS HAVE A MINIMUM LINTEL DEPTH OF 8" FROM CEILING.
- 3) THERE WILL BE NO AUTOMATIC SPRINKLER IN THE FOLLOWING AREAS, BASED ON NFPA-13R, 2010, 1) BATHROOMS UNDER 55 SQUARE FEET; AND THAT HAVE WALLS AND CEILINGS OF NONCOMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS WITH A 15-MIN THERMAL BARRIER RATING INCLUDING THE WALLS AND CEILINGS BEHIND FIXTURES;  
 2) CLOSETS (WITHOUT EQUIPMENT) UNDER 24 SQUARE FEET W/ NO DIMENSION 3' -0" OR GREATER;  
 3) CRAWL, FLOOR, AND CEILING SPACES; ELEVATOR SHAFTS, AND UNUSED ATTIC SPACES.
- 4) 2010 FBC CHAPTER 9 FIRE PROTECTION SYSTEMS SECTION 903.3.1.2.1 BALCONIES AND DECKS. SPRINKLER PROTECTION SHALL BE PROVIDED FOR EXTERIOR BALCONIES, DECKS AND GROUND FLOOR PATIOS OF DWELLING UNITS WHERE THE BUILDING IS OF TYPE V CONSTRUCTION, PROVIDED THERE IS A ROOF OR DECK ABOVE. SIDEWALL SPRINKLERS THAT ARE USED TO PROTECT SUCH AREAS SHALL BE PERMITTED TO BE LOCATED SUCH THAT THEIR DEFLECTORS ARE WITHIN 1 INCH (25 MM) TO 6 INCHES (152 MM) BELOW THE STRUCTURAL MEMBERS AND A MAXIMUM DISTANCE OF 14 INCHES (356 MM) BELOW THE DECK OF THE EXTERIOR BALCONIES AND DECKS THAT ARE CONSTRUCTED OF OPEN WOOD JOIST CONSTRUCTION.

**GENERAL NOTES**

- A. ALL DESIGN, INSTALLATION AND MATERIALS SHALL MEET THE LATEST EDITIONS OF NFPA CODES AND ALL RELATED CODES UTILIZED BY THE AUTHORITY HAVING JURISDICTION.
- B. NOTIFY THE ARCHITECT AND ENGINEER OF ANY CHANGES IN THE CONTRACT DOCUMENTS THAT MAY BE REQUIRED IN ORDER TO MEET CODE, PRIOR TO BID.
- C. COORDINATE WITH OTHER EXISTING AND NEW WORK (INCLUDING MECHANICAL, PLUMBING, ELECTRICAL, STRUCTURAL, AND ARCHITECTURAL) FOR AVAILABLE SPACE AND INSTALLATION REQUIREMENTS, PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE ARCHITECT AND ENGINEER OF ANY CHANGES IN THE CONTRACT DOCUMENTS THAT MAY BE REQUIRED FOR THE WORK TO BE PERFORMED.
- D. FIELD CONDITIONS: THE CONTRACT DOCUMENTS INDICATE THE DESIGN INTENT USING AVAILABLE INFORMATION. THE CONTRACTOR IS TO ADVISE THE ARCHITECT AND ENGINEER IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN. ALSO ADVISE THE ARCHITECT AND ENGINEER IF CODE OR SAFETY CONFLICTS EXIST. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE (PRIOR TO THE BID) TO BECOME FAMILIAR WITH CONDITION AND INSTALLATION DETAILS THAT WILL AFFECT HIS WORK. CHANGES IN THE CONTRACT SUM AT CONTRACT TIME WILL NOT BE ALLOWED FOR FAILURE TO INVESTIGATE FIELD CONDITIONS. ALL WORK IS NEW, UNLESS NOTED OTHERWISE.
- E. SHOP DRAWINGS SHALL BE CAD DETAILED INSTALLATION/COORDINATION DRAWINGS IN ACCORDANCE WITH NFPA-13R, CHAPTER 6. INCLUDE TABBED, INDEXED EQUIPMENT SUBMITTALS.
- F. ALL CONTROL VALVES SHALL HAVE TAMPER SWITCHES. OPERATION OF VALVE WILL NOT AFFECT THE OPERATION OF SPRINKLER FLOW SWITCH.
- G. FLOW SWITCHES SHALL BE CONNECTED TO FIRE ALARM SYSTEM AS AN AUTOMATIC INDICATING DEVICE.
- H. ALTHOUGH NOT SHOWN. ALL PIPING TO BE SUPPORTED FROM BUILDING STRUCTURE, IN ACCORDANCE WITH NFPA-13R
- I. ALL ELECTRICAL, CONTROL, AND OR ALARM SYSTEM WIRING TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- J. SPRINKLER SYSTEMS SHALL BE PROVIDED WITH FLUSHING CONNECTIONS.
- K. SPRINKLER HEADS IN AREAS SUBJECT TO DAMAGE SHALL HAVE HEAD GUARDS. AREAS SUCH AS MECHANICAL ROOMS, ELECTRICAL ROOMS, SHAFTS, ETC.
- L. NO SPRINKLER PIPING SHALL PASS OVER ELECTRICAL PANELS OR SWITCH BOARDS.
- M. FIELD VERIFY PIPE ROUTING AND ACTUAL LENGTHS OF PIPE, PRIOR TO FABRICATION OR INSTALLATION.
- N. SPRINKLER HEADS SHALL BE IN ALIGNMENT WITH EACH OTHER FOR INDIVIDUAL LINE OF SIGHT.
- O. BEFORE ANY SPRINKLER PIPING IS CONCEALED, THE SPRINKLER CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION 48 HOURS IN ADVANCE, SO THAT THEY MAY INSPECT THE SYSTEM PIPING FOR CONFORMANCE WITH CODE REQUIREMENTS.
- P. ALL FIRE PROTECTION PIPING SHALL BE TESTED IN ACCORDANCE WITH NFPA - 13R.
- Q. COPY OF MATERIAL AND TEST CERTIFICATE, WARRANTY AND INSTRUCTIONS TO THE OWNER.
- R. THIS CONTRACTOR SHALL INSTALL HYDRAULIC PLACARDS ON BUILDING RISERS.
- S. SPARE HEAD CABINET WITH SPRINKLERS OF EACH TYPE PER NFPA-13R.
- T. PROVIDE (3) THREE OPERATIONS AND MAINTENANCE MANUALS.



**TYPICAL RESIDENTIAL RISER**  
SCALE: NTS

**ABBREVIATIONS**

- AFF ABOVE FINISHED FLOOR
- DWG DRAWING
- CONT CONTINUED
- UNO UNLESS NOTED OTHERWISE
- NO A/S NO AUTOMATIC SPRINKLER REQUIRED IN THIS SPACE
- TYP TYPICAL
- FDC FIRE DEPARTMENT CONNECTION
- PIV POST INDICATING VALVE
- B. O. R. BASE OF RISER
- HYD FIRE HYDRANT
- F. C. FLUSHING CONNECTION

FIRE SPRINKLER SCHEDULE							
HEAD TYPE	HEAD TYPE		ORIFICE INCHES	K FACTOR	TEMP.	FINISH	RESPONSE TIME TYPE
⊕	PENDENT RECESSED		1/2"	5.62	155'	WHITE	QUICK
⊕	PENDENT RECESSED	RESIDENTIAL	1/2"	4.9	155'	WHITE	QUICK
●	DRY PENDENT		1/2"	5.62	200'	WHITE	QUICK
⊕	DRY SIDEWALL		1/2"	5.62	200'	WHITE	QUICK

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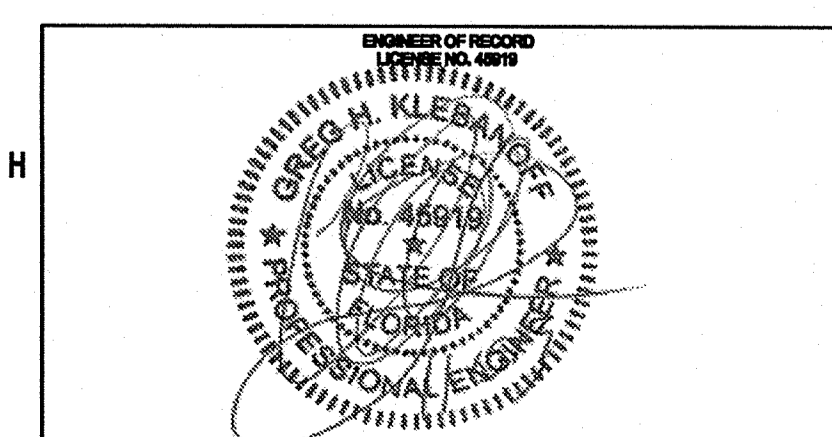


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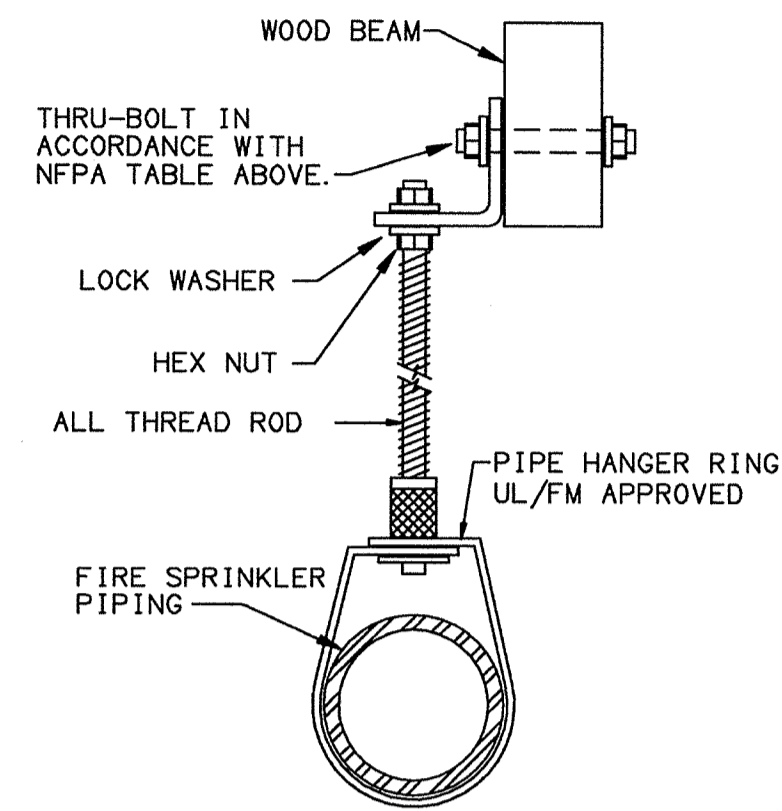
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 Date: 08-05-2013  
 Project #: 5189

**SCHEDULES AND DETAILS**  
**FIRE PROTECTION PLAN**  
**F6.01**



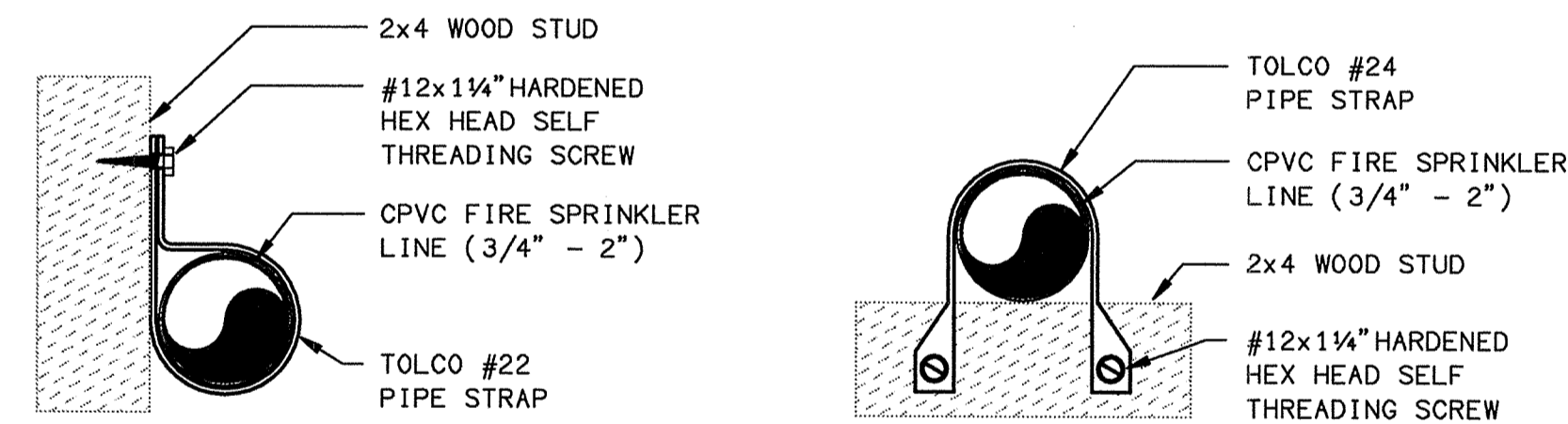
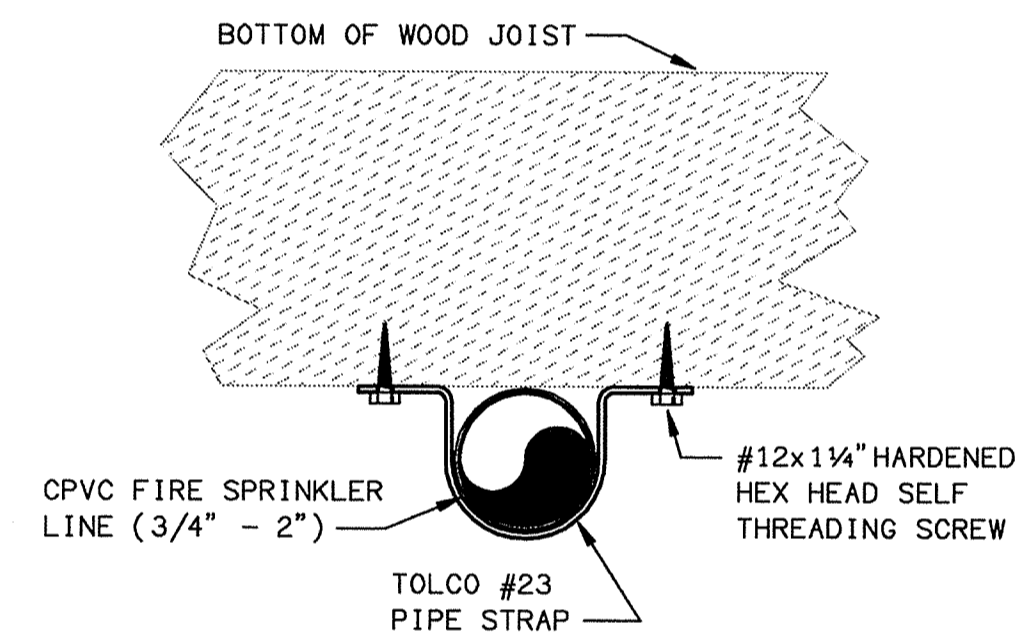
**MINIMUM BOLT OR LAG SCREW SIZING TABLE**

SIZE OF PIPE	SIZE OF BOLT OR LAG SCREW	LENGTH OF LAG SCREW USED WITH WOOD BEAMS
1"-2"	3/8"	2 1/2"
2"-6"	1/2"	3"



NOTE: THE SIZE BOLT OR LAG (COACH) ROD OR FLANGE ON THE SIDE OF THE BEAM SHALL NOT BE LESS THAN SPECIFIED IN THE TABLE ABOVE.

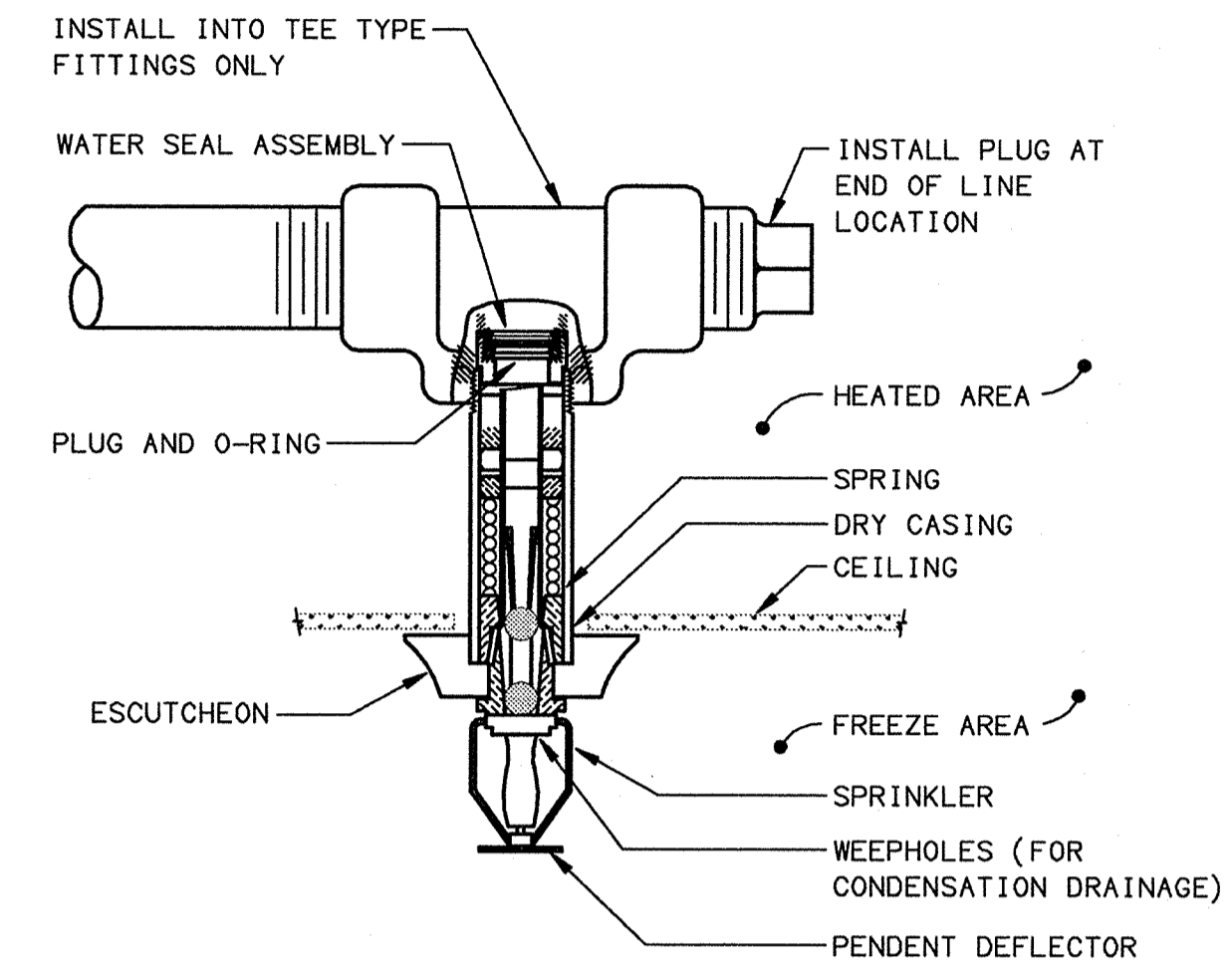
**WOOD HANGER DETAIL**  
NTS



**TYPICAL PIPE HANGER DETAILS**  
SCALE: NTS

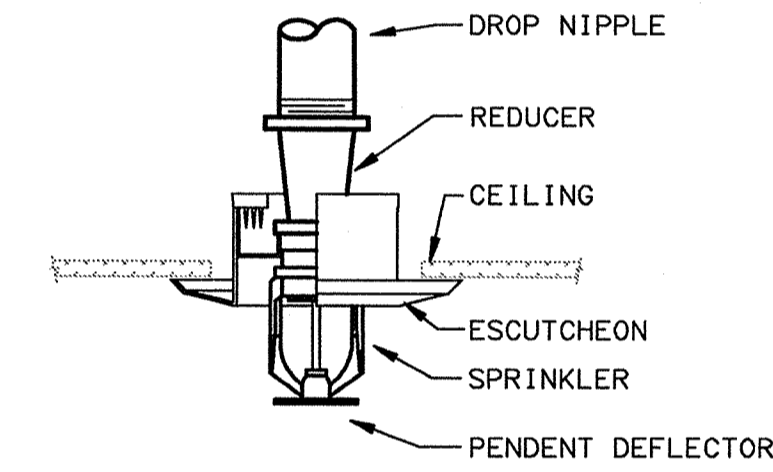
**HANGER SPACING FOR CPVC PIPING**

NOMINAL PIPE SIZE INCHES	MAX. SPACING FEET
3/4"	5 1/2
1"	6
1 1/4"	6 1/2
1 1/2"	7
2"	8
2 1/2"	9
3"	10

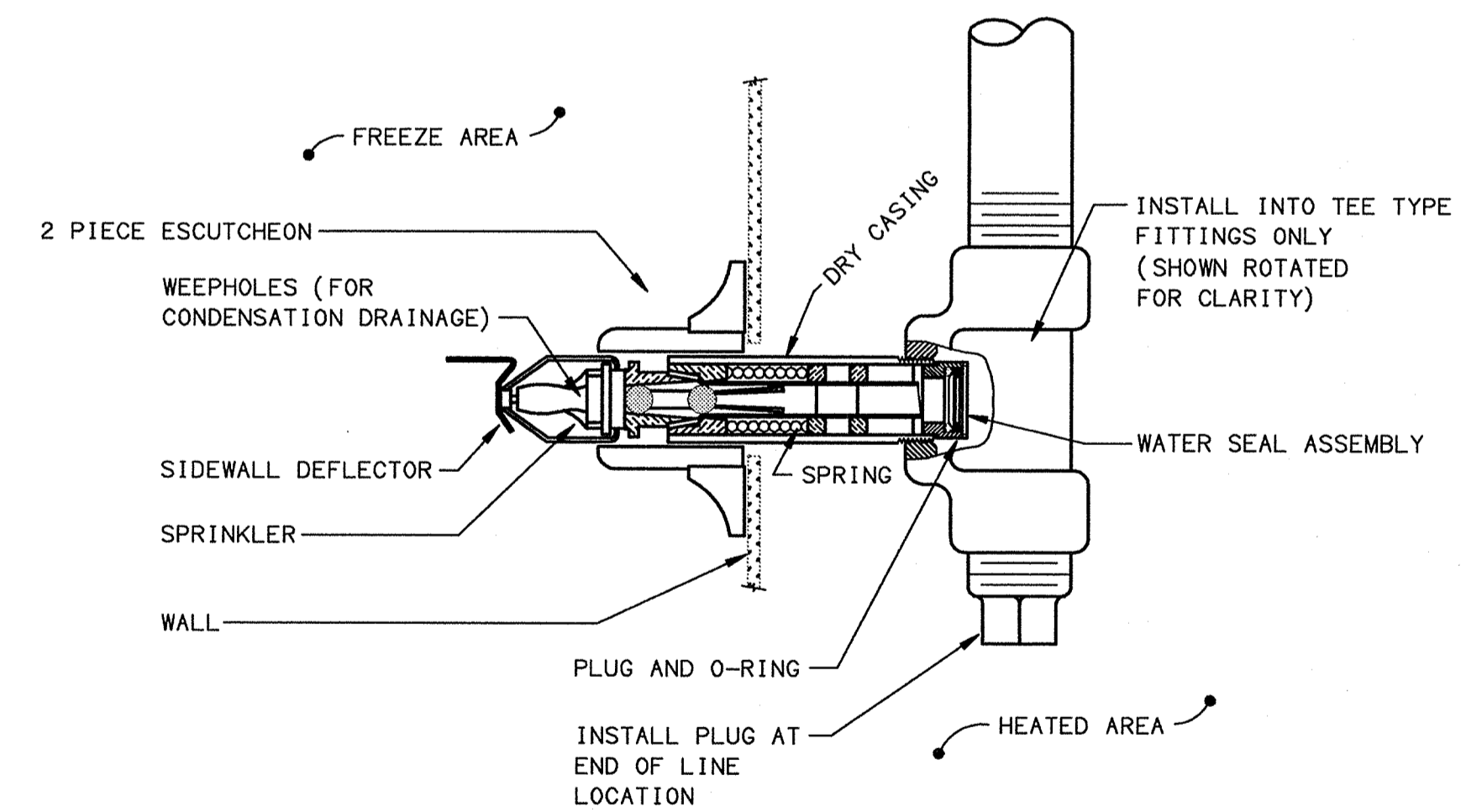


NOTE: DO NOT INSTALL INTO ELBOW TYPE FITTINGS.

**DRY PENDENT SPRINKLER HEAD**  
SCALE: N. T. S.



**RECESSED TYPE ESCUTCHEON**  
SCALE: N. T. S.



NOTE: DO NOT INSTALL INTO ELBOW TYPE FITTINGS.

**DRY SIDEWALL ESCUTCHEON**  
SCALE: N. T. S.

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1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description



2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com 4426002103

**KTD Consulting Engineers** PROJECT #: 13036  
237 S. WESTMONTE DRIVE  
PH: 407.834.7800  
LEESBURG, VA 20176  
604 S. KING ST, SUITE 007  
PH: 703.840.0480 www.ktdengineers.com

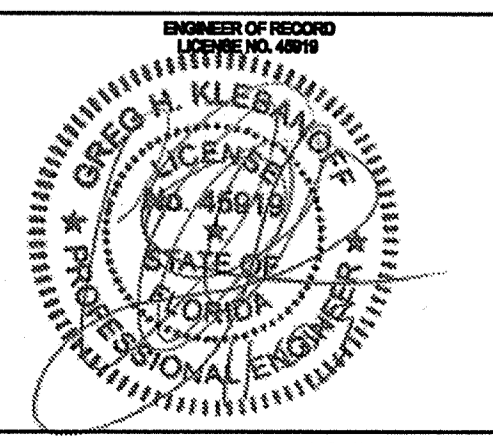
**SUMMER BAY APARTMENTS**

Lake County, FL

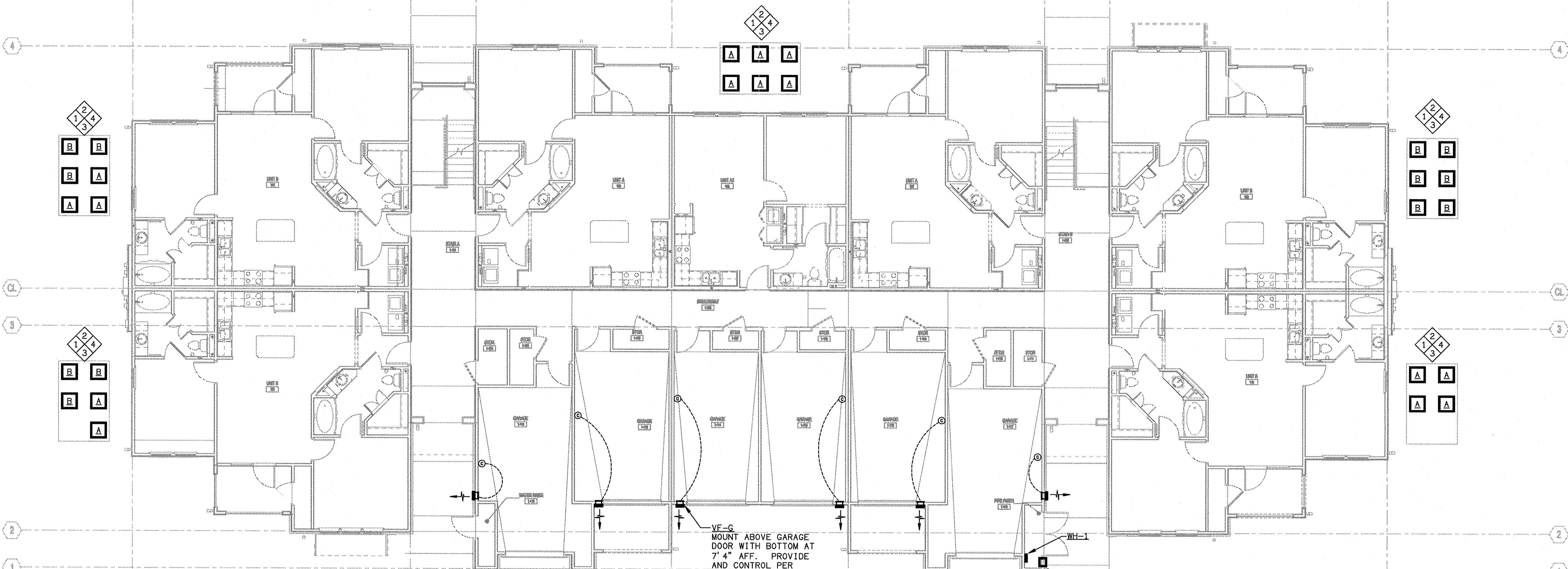
**SCHEDULES AND DETAILS  
FIRE PROTECTION PLAN**

Drawn: GHK  
Checked: GHK  
Approved: GHK  
Date: 08-05-2013  
Project #: 5108

F6.02

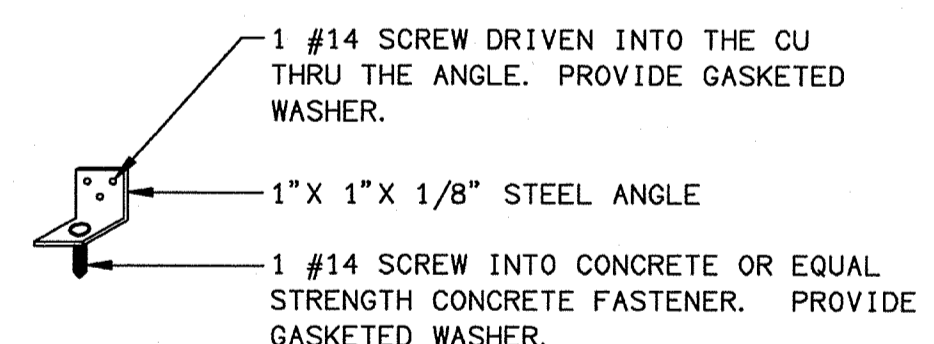


**BUILDING TYPE I - GROUND LEVEL - HVAC PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-H-BLDG



VF-G  
 MOUNT ABOVE GARAGE  
 DOOR WITH BOTTOM AT  
 7' 4" AFF. PROVIDE  
 AND CONTROL PER  
 DETAIL ON THIS SHEET.  
 TYPICAL.

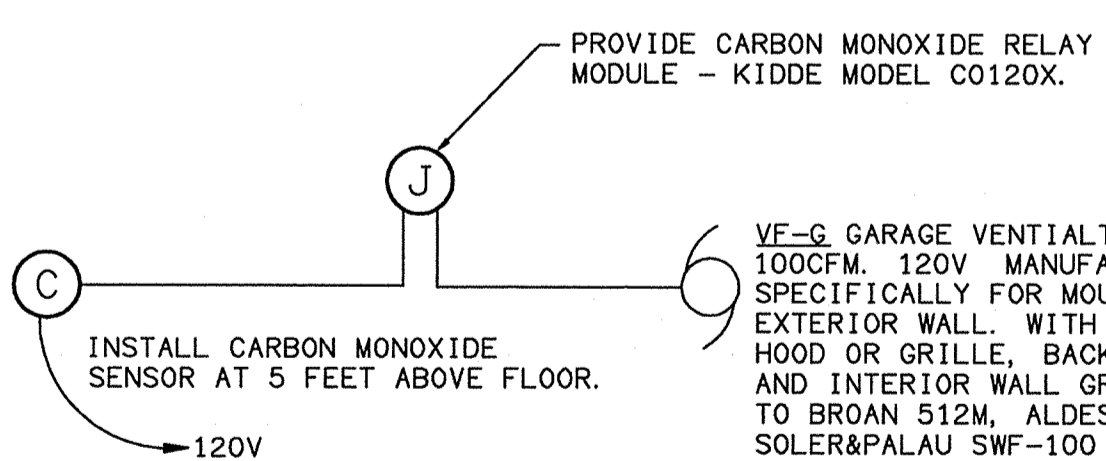
PTAC-F  
 MOUNT PTAC IN WALL  
 WITH BOTTOM EDGE 12 TO  
 18" ABOVE FLOOR.  
 EXTEND 3/4" CONDENSATE  
 TO LANDSCAPE AREA.



- NOTES:
- PROVIDE THE FOLLOWING NUMBER OF FASTENERS ON EACH SIDE OF CU:
 

SIDE WIDTH	# OF FASTENERS
<12"	1
12" TO <24"	2
24" TO 36"	3
  - IN LIEU OF STEEL ANGLE, THE BASE OF THE CONDENSING UNIT CAN BE USED.

**CU ANCHORING DETAIL**  
 SCALE: NTS



**GARAGE EXHAUST FAN  
 AND CONTROL**  
 SCALE: NTS

**HVAC SHEET NOTES**

- MOUNT CU'S ON 4" THICK CONCRETE PADS. PAD DIMENSIONS SHALL EXCEED CU DIMENSIONS BY 4" ON ALL SIDES AND SHALL ALLOW FOR REFRIGERANT PIPING STUB-UP. PLACE CU'S AWAY FROM ROOF DRIP LINE. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES. ANCHOR CU'S SECURELY TO PAD. LOCATION OF CU'S ARE APPROXIMATE. COORDINATE CLOSELY WITH LANDSCAPING PLANS AND ARCHITECTURAL DETAILS.
- ROUTE REFRIGERANT LINES FROM AHU, BELOW GRADE, AND UP THRU CU PAD. SEE UNDERGROUND REFRIGERANT LINE DETAIL ON SHEET H6.02.
- REFER TO PLUMBING DRAWINGS FOR CONDENSATE ROUTING.
- WHEN REFRIGERANT LINE RUNS EXCEED 50 EQUIVALENT FEET, SIZE REFRIGERANT LINES PER CU MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIC LENGTH INVOLVED. ALSO PROVIDE ACCESSORIES AS RECOMMENDED BY MANUFACTURER. IF THE SUBMITTED MANUFACTURER MAKES NO RECOMMENDATIONS FOR LONG REFRIGERANT LINE RUNS, CHOOSE ANOTHER CU MANUFACTURER.

**LAKE COUNTY BUILDING DIVISION**  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

ISSUE HISTORY		
No.	Date	Description
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REVISION HISTORY		
No.	Date	Description



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 www.fuglebergkoch.com AA26002103

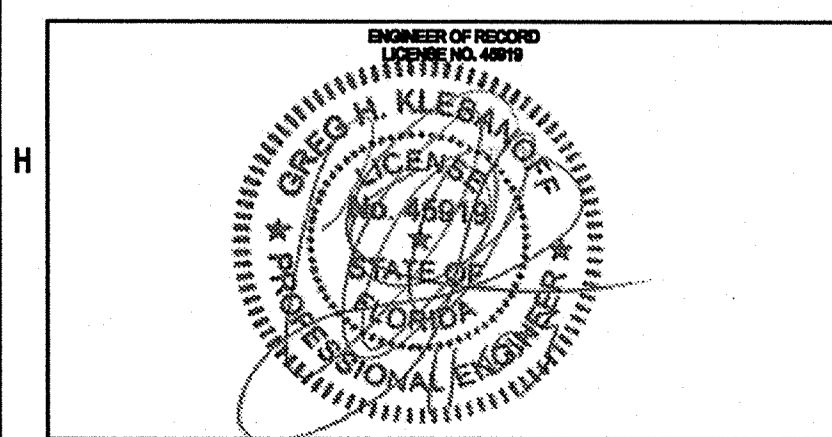
**KTD Consulting Engineers** PROJECT #:  
 13038  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7800  
 LEESBURG, VA 20176  
 804 S. KING ST., SUITE 007  
 PH: 703.840.0480  
 www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
 Lake County, FL

Drawn: GHK  
 Checked: GHK  
 Approved: GHK  
 Date: 05-05-2013  
 Project #: 5109

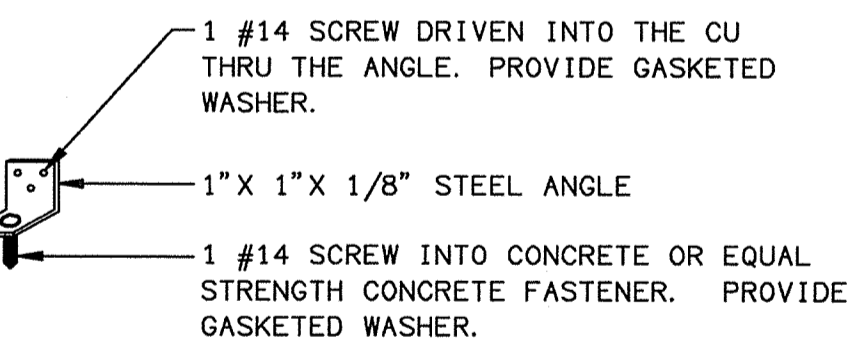
**BUILDING TYPE 1  
 GROUND LEVEL  
 HVAC PLAN**

H2.01



RECEIVED DEC 04 2013

**HI BUILDING TYPE 2 - GROUND LEVEL - HYAC PLAN**  
SCALE: 1/8" = 1'-0"



**NOTES:**

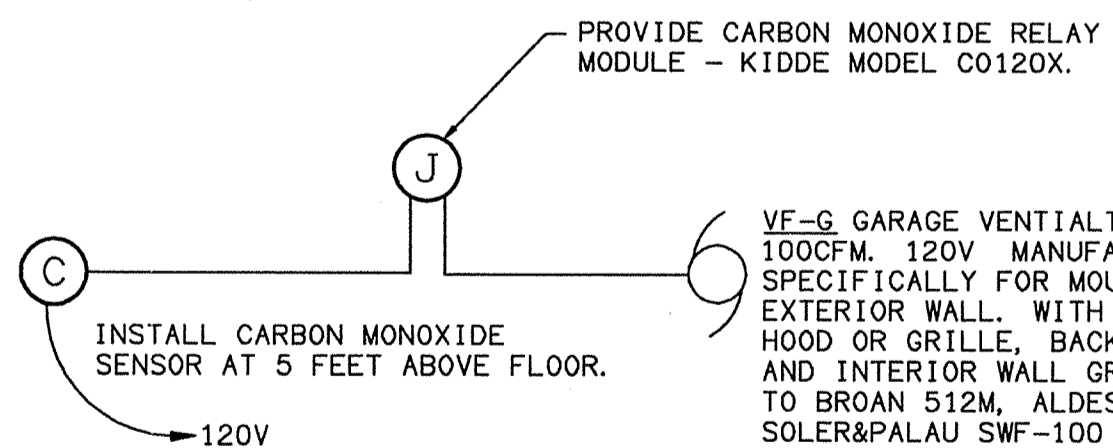
1. PROVIDE THE FOLLOWING NUMBER OF FASTENERS ON EACH SIDE OF CU:

SIDE WIDTH	# OF FASTENERS
<12"	1
12" TO <24"	2
24" TO 36"	3

2. IN LIEU OF STEEL ANGLE, THE BASE OF THE CONDENSING UNIT CAN BE USED.

**CU ANCHORING DETAIL**

SCALE: NTS



CARBON MONOXIDE SENSOR, ALARM AND TRANSMITTER, MODEL KN-COB-1C BY KIDDE. COMPATIBLE WITH CARBON MONOXIDE RELAY MODULE C0120X. 120 V INPUT POWER. 85db.

**GARAGE EXHAUST FAN AND CONTROL**

SCALE: NTS

VF-G GARAGE VENTILATION FAN. 100CFM. 120V MANUFACTURED SPECIFICALLY FOR MOUNTING THRU EXTERIOR WALL. WITH EXTERIOR WALL HOOD OR GRILLE, BACKDRAFT DAMPER, AND INTERIOR WALL GRILLE. EQUIVALENT TO BROAN 512M, ALDES TTW-100, OR SOLER&PALAU SWF-100

PTAC-F MOUNT PTAC IN WALL WITH BOTTOM EDGE 12 TO 18" ABOVE FLOOR. EXTEND 3/4" CONDENSATE TO LANDSCAPE AREA.

VF-G MOUNT ABOVE GARAGE DOOR WITH BOTTOM AT 7' 4" AFF. PROVIDE AND CONTROL PER DETAIL ON THIS SHEET. TYPICAL.

**HVAC SHEET NOTES**

- MOUNT CU'S ON 4" THICK CONCRETE PADS. PAD DIMENSIONS SHALL EXCEED CU DIMENSIONS BY 4" ON ALL SIDES AND SHALL ALLOW FOR REFRIGERANT PIPING STUB-UP. PLACE CU'S AWAY FROM ROOF DRIP LINE. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES. ANCHOR CU'S SECURELY TO PAD. LOCATION OF CU'S ARE APPROXIMATE. COORDINATE CLOSELY WITH LANDSCAPING PLANS AND ARCHITECTURAL DETAILS.
- ROUTE REFRIGERANT LINES FROM AHU, BELOW GRADE, AND UP THRU CU PAD. SEE UNDERGROUND REFRIGERANT LINE DETAIL ON SHEET H6.02.
- REFER TO PLUMBING DRAWINGS FOR CONDENSATE ROUTING.
- WHEN REFRIGERANT LINE RUNS EXCEED 50 EQUIVALENT FEET, SIZE REFRIGERANT LINES PER CU MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIC LENGTH INVOLVED. ALSO PROVIDE ACCESSORIES AS RECOMMENDED BY MANUFACTURER. IF THE SUBMITTED MANUFACTURER MAKES NO RECOMMENDATIONS FOR LONG REFRIGERANT LINE RUNS, CHOOSE ANOTHER CU MANUFACTURER.

LAKE COUNTY BUILDING DIVISION  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

RECEIVED DEC 04 2013

**ISSUE HISTORY**

No.	Date	Description
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**REVISION HISTORY**

No.	Date	Description



2555 Temple Trail, Winter Park, FL 32789 (407) 620-0595  
www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13036  
ALAMONTE SPRINGS, FL 32714  
237 S. WESTMONTE DRIVE  
PH: 407.834.7000  
LEESBURG, VA 20176  
804 S. KING ST, SUITE 007  
PH: 703.840.0480  
www.ktdengineers.com

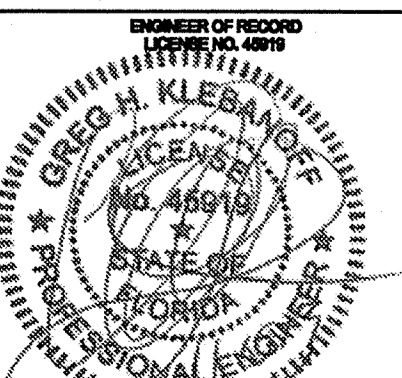
**SUMMER BAY APARTMENTS**

Leak County, FL

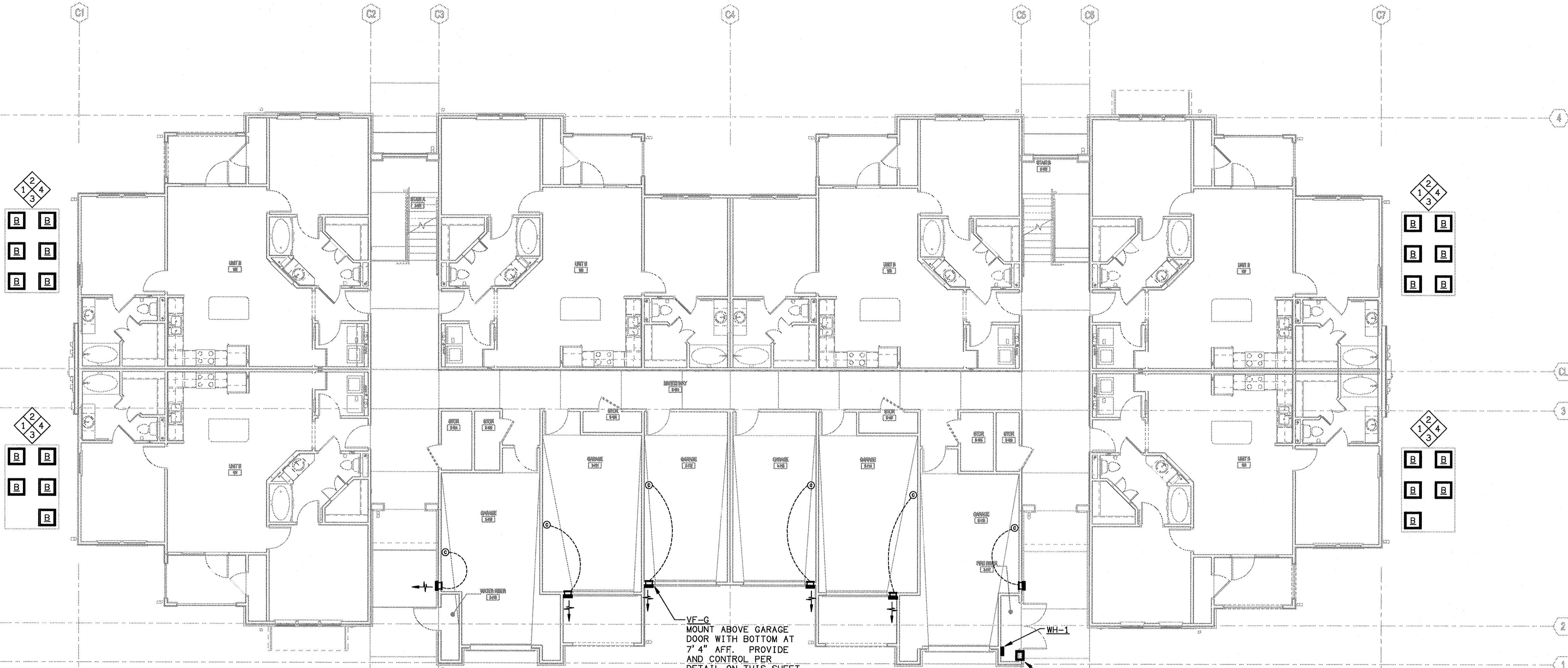
**BUILDING TYPE 2 GROUND LEVEL HVAC PLAN**

Client: GHK  
Checked: GHK  
Approved: GHK  
Date: 08-05-2013  
Project #: 5198

H2.05



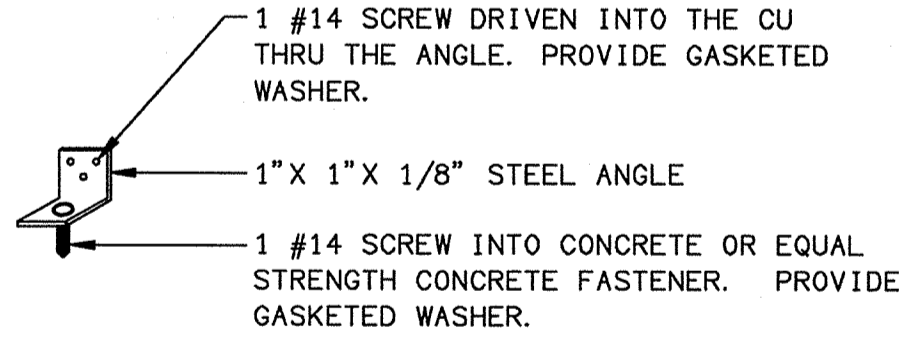
**BUILDING TYPE 3 - GROUND LEVEL - HVAC PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-H-BLDG



VF-G  
 MOUNT ABOVE GARAGE  
 DOOR WITH BOTTOM AT  
 7' 4" AFF. PROVIDE  
 AND CONTROL PER  
 DETAIL ON THIS SHEET.  
 TYPICAL.

PTAC-F  
 MOUNT PTAC IN WALL  
 WITH BOTTOM EDGE 12 TO  
 18" ABOVE FLOOR.  
 EXTEND 3/4" CONDENSATE  
 TO LANDSCAPE AREA.

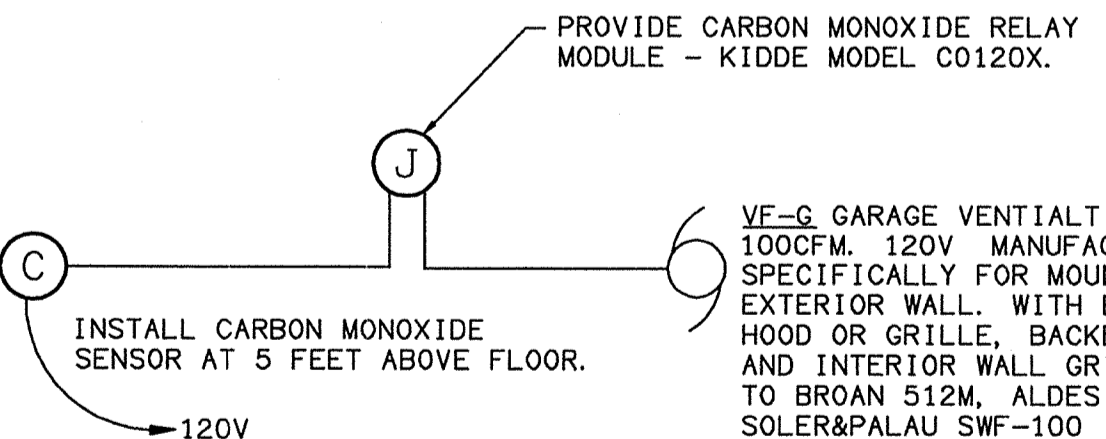
LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be  
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 requirements per Florida Building Code section  
 105.4.1. Plans were reviewed for code  
 compliance and shall be kept on job site.



- NOTES:
- PROVIDE THE FOLLOWING NUMBER OF FASTENERS ON EACH SIDE OF CU:
 

SIDE WIDTH	# OF FASTENERS
<12"	1
12" TO <24"	2
24" TO 36"	3
  - IN LIEU OF STEEL ANGLE, THE BASE OF THE CONDENSING UNIT CAN BE USED.

**CU ANCHORING DETAIL**  
 SCALE: NTS



CARBON MONOXIDE SENSOR, ALARM AND TRANSMITTER, MODEL KN-COB-1C BY KIDDE. COMPATIBLE WITH CARBON MONOXIDE RELAY MODULE CO120X. 120 V INPUT POWER. 85db.

**GARAGE EXHAUST FAN AND CONTROL**  
 SCALE: NTS

**HVAC SHEET NOTES**

- MOUNT CU'S ON 4" THICK CONCRETE PADS. PAD DIMENSIONS SHALL EXCEED CU DIMENSIONS BY 4" ON ALL SIDES AND SHALL ALLOW FOR REFRIGERANT PIPING STUB-UP. PLACE CU'S AWAY FROM ROOF DRIP LINE. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES. ANCHOR CU'S SECURELY TO PAD. LOCATION OF CU'S ARE APPROXIMATE. COORDINATE CLOSELY WITH LANDSCAPING PLANS AND ARCHITECTURAL DETAILS.
- ROUTE REFRIGERANT LINES FROM AHU, BELOW GRADE, AND UP THRU CU PAD. SEE UNDERGROUND REFRIGERANT LINE DETAIL ON SHEET H6.02.
- REFER TO PLUMBING DRAWINGS FOR CONDENSATE ROUTING.
- WHEN REFRIGERANT LINE RUNS EXCEED 50 EQUIVALENT FEET, SIZE REFRIGERANT LINES PER CU MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIC LENGTH INVOLVED. ALSO PROVIDE ACCESSORIES AS RECOMMENDED BY MANUFACTURER. IF THE SUBMITTED MANUFACTURER MAKES NO RECOMMENDATIONS FOR LONG REFRIGERANT LINE RUNS, CHOOSE ANOTHER CU MANUFACTURER.

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**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
 PLLC  
 2155 Temple Trail, Winter Park, FL 32789 (407) 620-0593  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13036  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7800  
 LEESBURG, VA 20176  
 604 S. KING ST, SUITE 007  
 PH: 703.840.0480 www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Client: GHK  
 Check: GHK  
 Approve: GHK  
 Date: 08-05-2013  
 Project: 5168

**BUILDING TYPE 3 GROUND LEVEL HVAC PLAN**  
 H2.09

ENGINEER OF RECORD  
 GREG H. KLEBANOFF  
 LICENSE NO. 48918  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

RECEIVED DEC 04 2013

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INSTALL LOWER FLOOR DUCTS IN THE L574 JOIST SYSTEM. FOLLOW THE REQUIREMENTS OF THE UL LISTING FOR THE L574 SYSTEM, INCLUDING:

1. PROVIDE CEILING RADIATION DAMPERS AT ALL SUPPLY DUCT AND REGISTER PENETRATIONS.
2. MAXIMUM DAMPER SIZE OF 324 SQUARE INCHES (18X18) AND NO MORE THAN 324 SQUARE INCHES PER 100 SF OF CEILING AREA.
3. MAINTAIN 1" BETWEEN DAMPERS AND JOISTS.
4. PROVIDE MINIMUM 2" SEPARATION BETWEEN DAMPERS.
5. THE ABOVE RESTRICTIONS APPLY TO THE POTTORFF AND C&S CEILING RADIATION DAMPER LISTINGS. INSTALL ONLY RADIATION DAMPERS THAT ARE LISTED FOR THE ASSEMBLY IN WHICH THEY ARE INTENDED TO BE INSTALLED, AND INSTALL THEM IN STRICT ACCORD WITH THEIR LISTED INSTALLATION INSTRUCTIONS.

INSTALL TOP FLOOR DUCTS IN THE P522 SYSTEM. FOLLOW THE REQUIREMENTS OF THE UL LISTING FOR THE P522 SYSTEM, INCLUDING:

1. PROVIDE CEILING RADIATION DAMPERS AT ALL SUPPLY DUCT AND REGISTER PENETRATIONS.
2. MAXIMUM DAMPER SIZE OF 324 SQUARE INCHES (18X18) AND NO MORE THAN 324 SQUARE INCHES PER 100 SF OF CEILING AREA.
3. MAINTAIN 1" BETWEEN DAMPERS AND JOISTS.
4. PROVIDE MINIMUM 2" SEPARATION BETWEEN DAMPERS.
5. THE ABOVE RESTRICTIONS APPLY TO THE POTTORFF AND C&S CEILING RADIATION DAMPER LISTINGS. INSTALL ONLY RADIATION DAMPERS THAT ARE LISTED FOR THE ASSEMBLY IN WHICH THEY ARE INTENDED TO BE INSTALLED, AND INSTALL THEM IN STRICT ACCORD WITH THEIR LISTED INSTALLATION INSTRUCTIONS.

DRYER VENT LENGTH A		
1ST FLOOR	2ND FLOOR	3RD FLOOR
HORIZONTAL 30FT VERTICAL 10FT 1 90° ELBOW HARD, 1 IN FLEX	HORIZONTAL 30FT VERTICAL 2FT 1 90° ELBOW HARD, 1 IN FLEX	HORIZONTAL 27FT VERTICAL 2FT 2 90° ELBOWS HARD, 1 IN FLEX

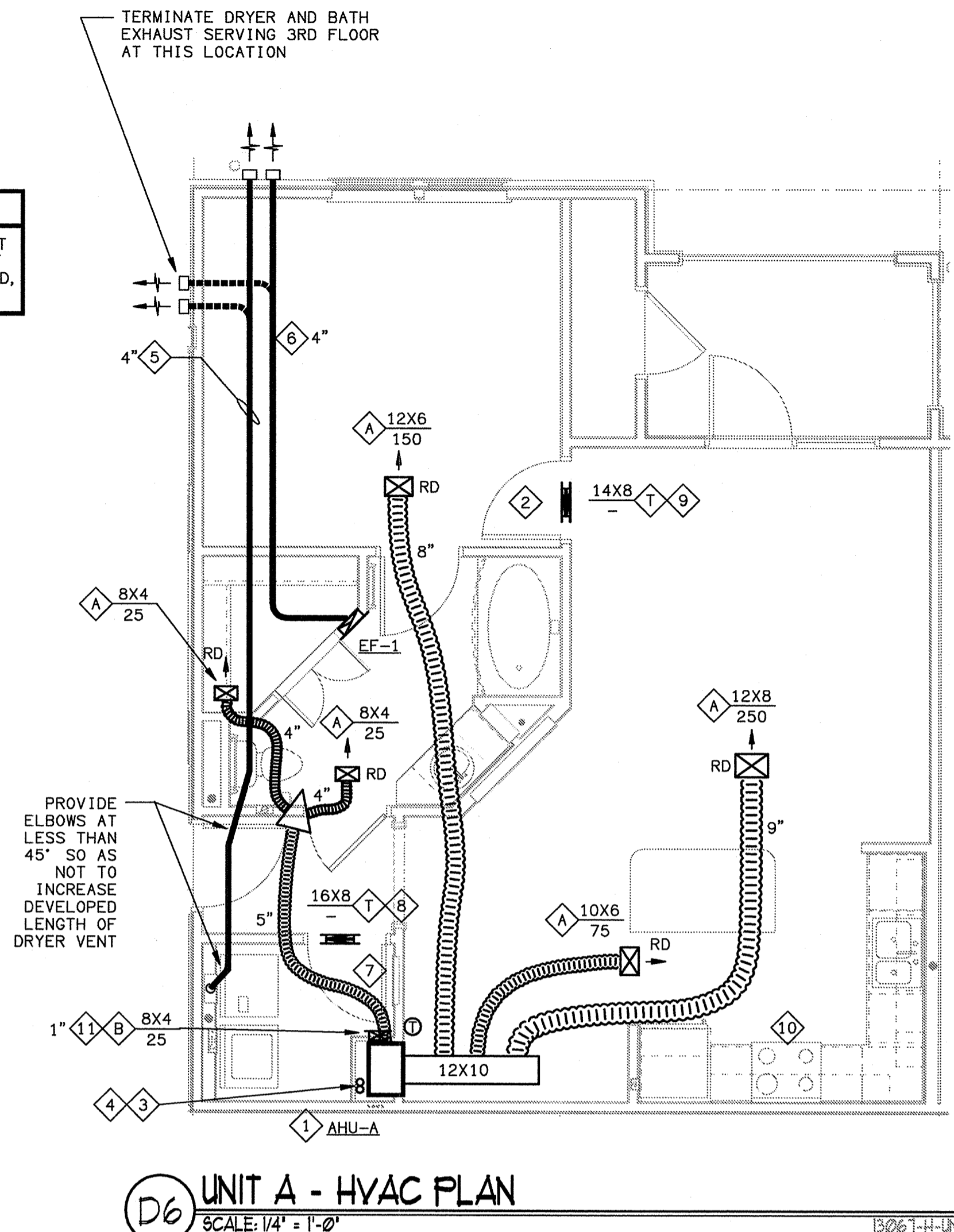
THIS DRYER VENT EXCEEDS 35 FEET CODE EQUIVALENT. THEREFORE, PROVIDE A DRYER SUCH AS THE MODEL SUGGESTED BELOW PRIOR TO OCCUPANCY WHICH IS CAPABLE OF VENTING THROUGH THE LENGTH INSTALLED, AND SUBMIT INSTALLATION INSTRUCTIONS TO THE CODE INSPECTOR PRIOR TO COVERING UP THE DRYER DUCT.

SUGGESTED DRYER: SELECTED BY OWNER

PERMANENTLY AFFIX AN ENGRAVED PHENOLIC TAG WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION WHICH STATES THE FOLLOWING WITH ACTUAL INSTALLED VALUES:  
"THE INSTALLED DRYER VENT IS "X" FEET LONG WITH "Y" 90° ELBOWS AND "Z" 45° ELBOWS. TO AVOID FIRE HAZARD, ANY DRYER INSTALLED HERE SHOULD BE RATED BY THE MANUFACTURER TO VENT THRU THAT LENGTH PLUS THE OCCUPANT INSTALLED FLEXIBLE CONNECTION LENGTH AND ELBOWS."

### HVAC LEGEND

- DUCT SIZE IN INCHES. FIRST FIGURE IS SIDE SHOWN. SIZES SHOWN ARE INSIDE DIMENSIONS OF INSULATION IF DUCTWORK IS INTERNALLY INSULATED.
- CEILING MOUNTED SUPPLY. IF OTHER THAN 4-WAY, ARROWS INDICATE AIR FLOW PATTERN.
- WALL-MOUNTED SUPPLY REGISTER.
- THERMOSTAT



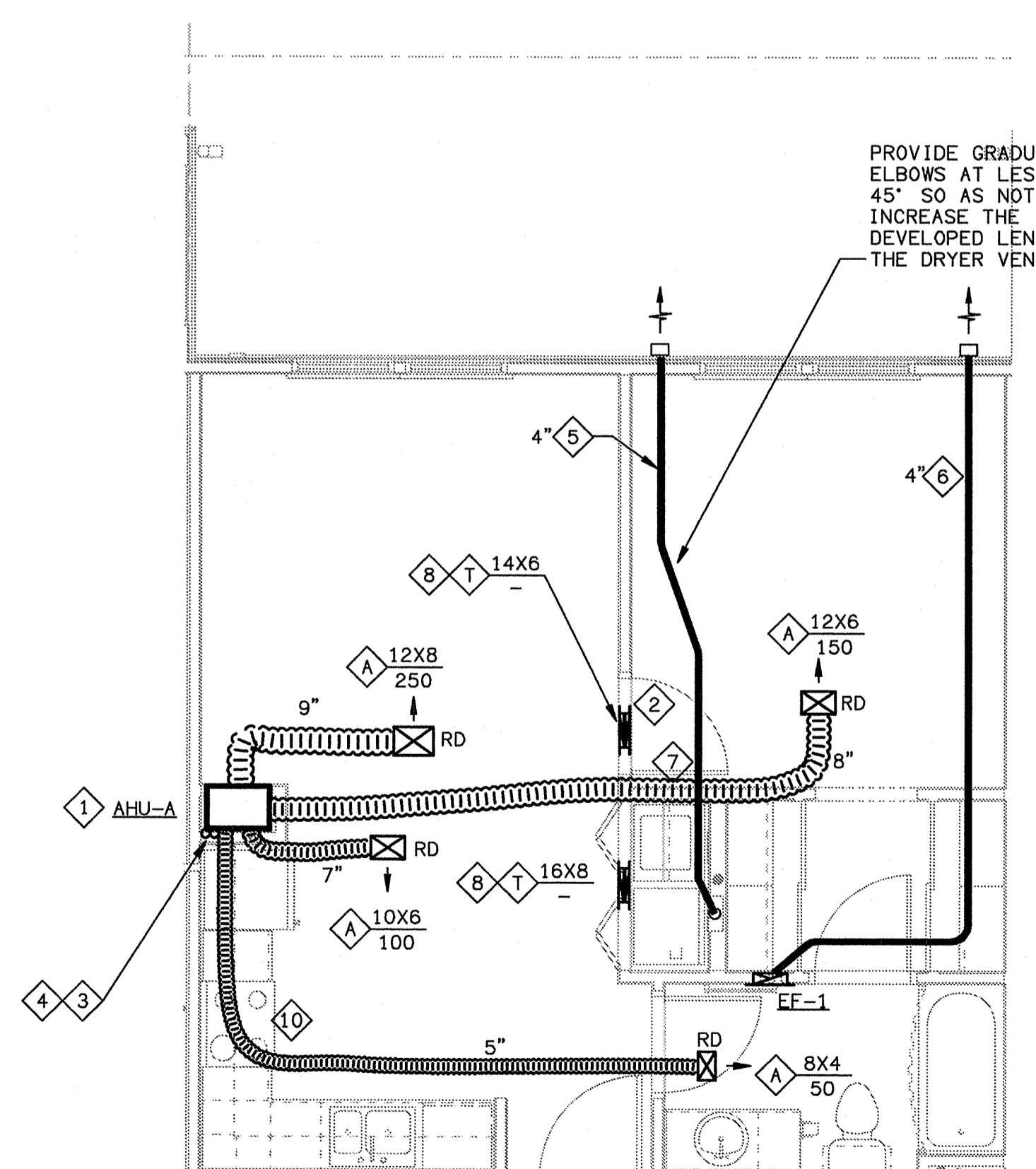
**UNIT A - HVAC PLAN**  
SCALE: 1/4" = 1'-0"

DRYER VENT LENGTH A2	
1ST FLOOR	UPPER FLOORS
HORIZONTAL 17FT VERTICAL 10FT 1 90° ELBOW HARD, 1 IN FLEX	HORIZONTAL 17FT VERTICAL 2FT 1 90° ELBOW HARD, 1 IN FLEX

THIS DRYER VENT EXCEEDS 35 FEET CODE EQUIVALENT. THEREFORE, PROVIDE A DRYER SUCH AS THE MODEL SUGGESTED BELOW PRIOR TO OCCUPANCY WHICH IS CAPABLE OF VENTING THROUGH THE LENGTH INSTALLED, AND SUBMIT INSTALLATION INSTRUCTIONS TO THE CODE INSPECTOR PRIOR TO COVERING UP THE DRYER DUCT.

SUGGESTED DRYER: SELECTED BY OWNER

PERMANENTLY AFFIX AN ENGRAVED PHENOLIC TAG WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION WHICH STATES THE FOLLOWING WITH ACTUAL INSTALLED VALUES:  
"THE INSTALLED DRYER VENT IS "X" FEET LONG WITH "Y" 90° ELBOWS AND "Z" 45° ELBOWS. TO AVOID FIRE HAZARD, ANY DRYER INSTALLED HERE SHOULD BE RATED BY THE MANUFACTURER TO VENT THRU THAT LENGTH PLUS THE OCCUPANT INSTALLED FLEXIBLE CONNECTION LENGTH AND ELBOWS."



**UNIT A2 - HVAC PLAN**  
SCALE: 1/4" = 1'-0"

LAKE COUNTY BUILDING DIVISION  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

### HVAC SHEET NOTES

- 1 MOUNT AHU PER DETAIL ON SHEET H6.02.
- 2 UNDERCUT DOOR 1" ABOVE CARPET OR FLOORING FOR RETURN AIR.
- 3 ROUTE REFRIGERANT LINES IN MECHANICAL CLOSET CAVITY THEN BELOW GRADE TO CU LOCATED ON GROUND PER UNDERGROUND REFRIGERANT DETAIL ON SHEET H6.02.
- 4 REFER TO PLUMBING DRAWINGS FOR CONDENSATE DRAIN LINE ROUTING.
- 5 4" ROUND 30 GAUGE DRYER VENT. ROUTE PER DETAIL ON SHEET H6.02.
- 6 ROUTE BATH EXHAUST DUCT PER DETAIL ON SHEET H6.02.
- 7 AVOID ROUTING DUCT OVER ELECTRICAL PANEL IN THIS AREA.
- 8 PROVIDE GRILLE ON BOTH SIDES OF WALL. CENTER ABOVE DOOR. CONNECT WITH GALVANIZED STEEL COLLAR. ANGLE GRILLE BLADES UP. FOR DRYER MAKEUP AIR.
- 9 PROVIDE GRILLE ON BOTH SIDES OF WALL. FOR RETURN AIR TRANSFER. CENTER ABOVE DOOR. CONNECT WITH GALVANIZED STEEL COLLAR. ANGLE GRILLE BLADES UP.
- 10 UL LISTED DUCTLESS RANGE VENTING DEVICE.
- 11 PROVIDE BAFFLE IN REGISTER WITH HOLE SIZE INDICATED TO LIMIT AIR FLOW WITHOUT EXCESSIVE NOISE. BE PREPARED TO ENLARGE HOLE IF MORE AIR FLOW IS REQUIRED.

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1	11/15/2013	ISSUE FOR PERMIT

### REVISION HISTORY

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**FUGLEBERG KOCH** P.L.L.C.  
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com 4426002103

**KTD Consulting Engineers** PROJECT # 13036  
237 S. WESTMONTA DRIVE  
PH: 407.834.7800  
LEESBURG, VA 20176  
604 S. KING ST, SUITE 007  
PH: 703.840.0480

**SUMMER BAY APARTMENTS**  
Lake County, FL

**UNIT A & A2 HVAC PLANS** H3.01

ENGINEER OF RECORD  
**DREG H. KLEBANOFF**  
LICENSE NO. 44918  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

RECEIVED DEC 04 2013

INSTALL LOWER FLOOR DUCTS IN THE L574 JOIST SYSTEM. FOLLOW THE REQUIREMENTS OF THE UL LISTING FOR THE L574 SYSTEM, INCLUDING:

1. PROVIDE CEILING RADIATION DAMPERS AT ALL SUPPLY DUCT AND REGISTER PENETRATIONS.
2. MAXIMUM DAMPER SIZE OF 324 SQUARE INCHES (18X18) AND NO MORE THAN 324 SQUARE INCHES PER 100 SF OF CEILING AREA.
3. MAINTAIN 1" BETWEEN DAMPERS AND JOISTS.
4. PROVIDE MINIMUM 2" SEPARATION BETWEEN DAMPERS.
5. THE ABOVE RESTRICTIONS APPLY TO THE POTTORFF AND C&S CEILING RADIATION DAMPER LISTINGS. INSTALL ONLY RADIATION DAMPERS THAT ARE LISTED FOR THE ASSEMBLY IN WHICH THEY ARE INTENDED TO BE INSTALLED, AND INSTALL THEM IN STRICT ACCORD WITH THEIR LISTED INSTALLATION INSTRUCTIONS.

INSTALL TOP FLOOR DUCTS IN THE P522 SYSTEM. FOLLOW THE REQUIREMENTS OF THE UL LISTING FOR THE P522 SYSTEM, INCLUDING:

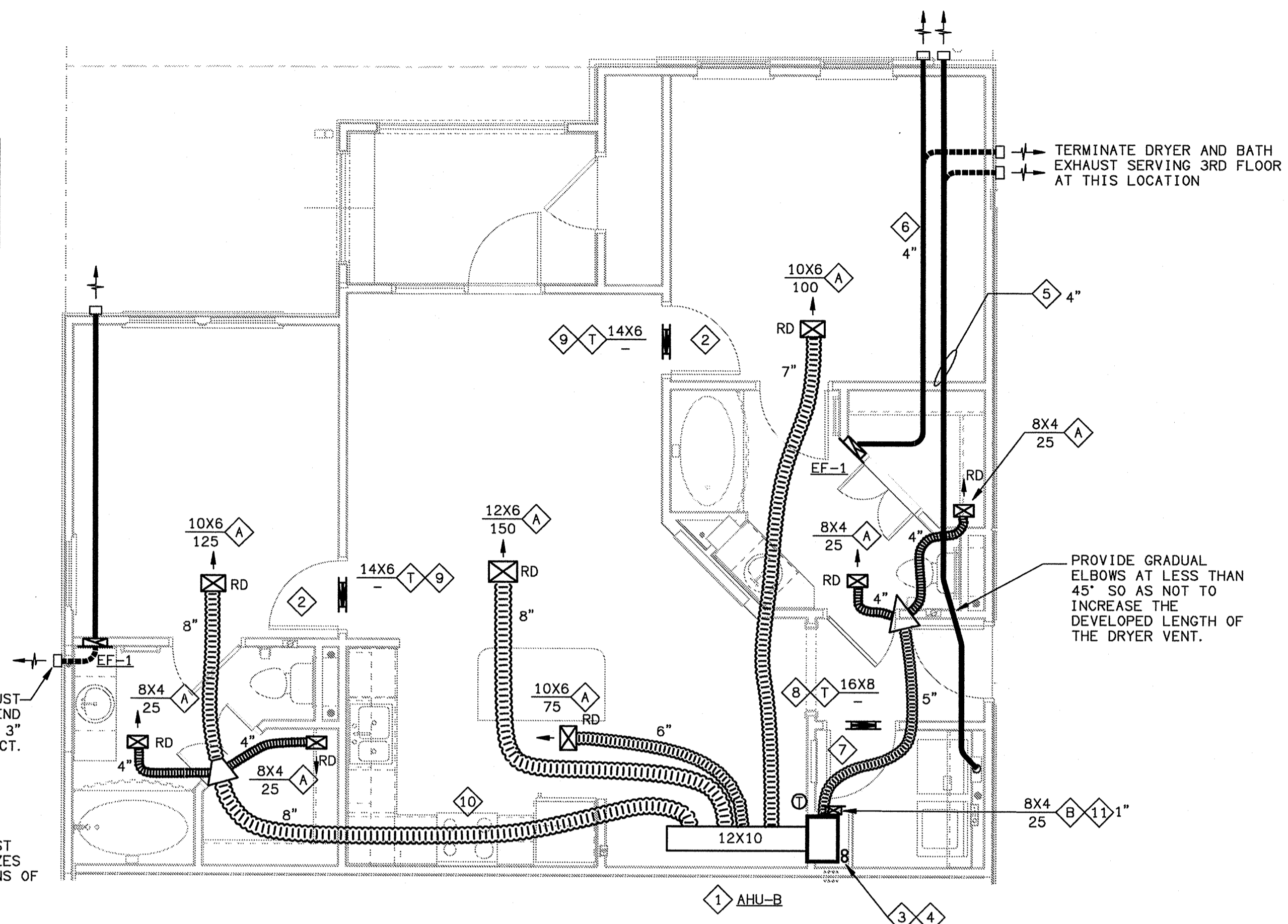
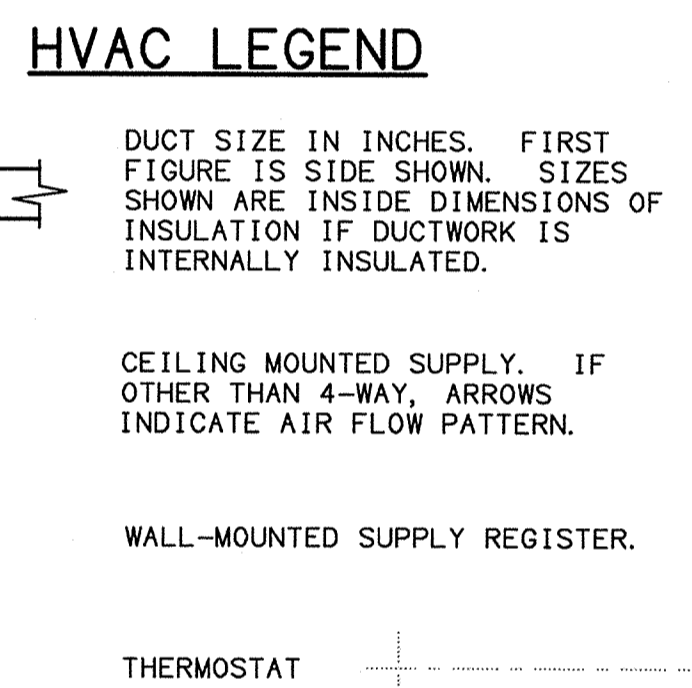
1. PROVIDE CEILING RADIATION DAMPERS AT ALL SUPPLY DUCT AND REGISTER PENETRATIONS.
2. MAXIMUM DAMPER SIZE OF 324 SQUARE INCHES (18X18) AND NO MORE THAN 324 SQUARE INCHES PER 100 SF OF CEILING AREA.
3. MAINTAIN 1" BETWEEN DAMPERS AND JOISTS.
4. PROVIDE MINIMUM 2" SEPARATION BETWEEN DAMPERS.
5. THE ABOVE RESTRICTIONS APPLY TO THE POTTORFF AND C&S CEILING RADIATION DAMPER LISTINGS. INSTALL ONLY RADIATION DAMPERS THAT ARE LISTED FOR THE ASSEMBLY IN WHICH THEY ARE INTENDED TO BE INSTALLED, AND INSTALL THEM IN STRICT ACCORD WITH THEIR LISTED INSTALLATION INSTRUCTIONS.

DRYER VENT LENGTH B		
1ST FLOOR	2ND FLOOR	3RD FLOOR
HORIZONTAL 30FT VERTICAL 10FT 1 90° ELBOW HARD, 1 IN FLEX	HORIZONTAL 30FT VERTICAL 2FT 1 90° ELBOW HARD, 1 IN FLEX	HORIZONTAL 27FT VERTICAL 2FT 2 90° ELBOWS HARD, 1 IN FLEX

THIS DRYER VENT EXCEEDS 35 FEET CODE EQUIVALENT. THEREFORE, PROVIDE A DRYER SUCH AS THE MODEL SUGGESTED BELOW PRIOR TO OCCUPANCY WHICH IS CAPABLE OF VENTING THROUGH THE LENGTH INSTALLED, AND SUBMIT INSTALLATION INSTRUCTIONS TO THE CODE INSPECTOR PRIOR TO COVERING UP THE DRYER DUCT.

SUGGESTED DRYER: SELECTED BY OWNER

PERMANENTLY AFFIX AN ENGRAVED PHENOLIC TAG WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION WHICH STATES THE FOLLOWING WITH ACTUAL INSTALLED VALUES:  
"THE INSTALLED DRYER VENT IS "X" FEET LONG WITH "Y" 90° ELBOWS AND "Z" 45° ELBOWS. TO AVOID FIRE HAZARD, ANY DRYER INSTALLED HERE SHOULD BE RATED BY THE MANUFACTURER TO VENT THRU THAT LENGTH PLUS THE OCCUPANT INSTALLED FLEXIBLE CONNECTION LENGTH AND ELBOWS."



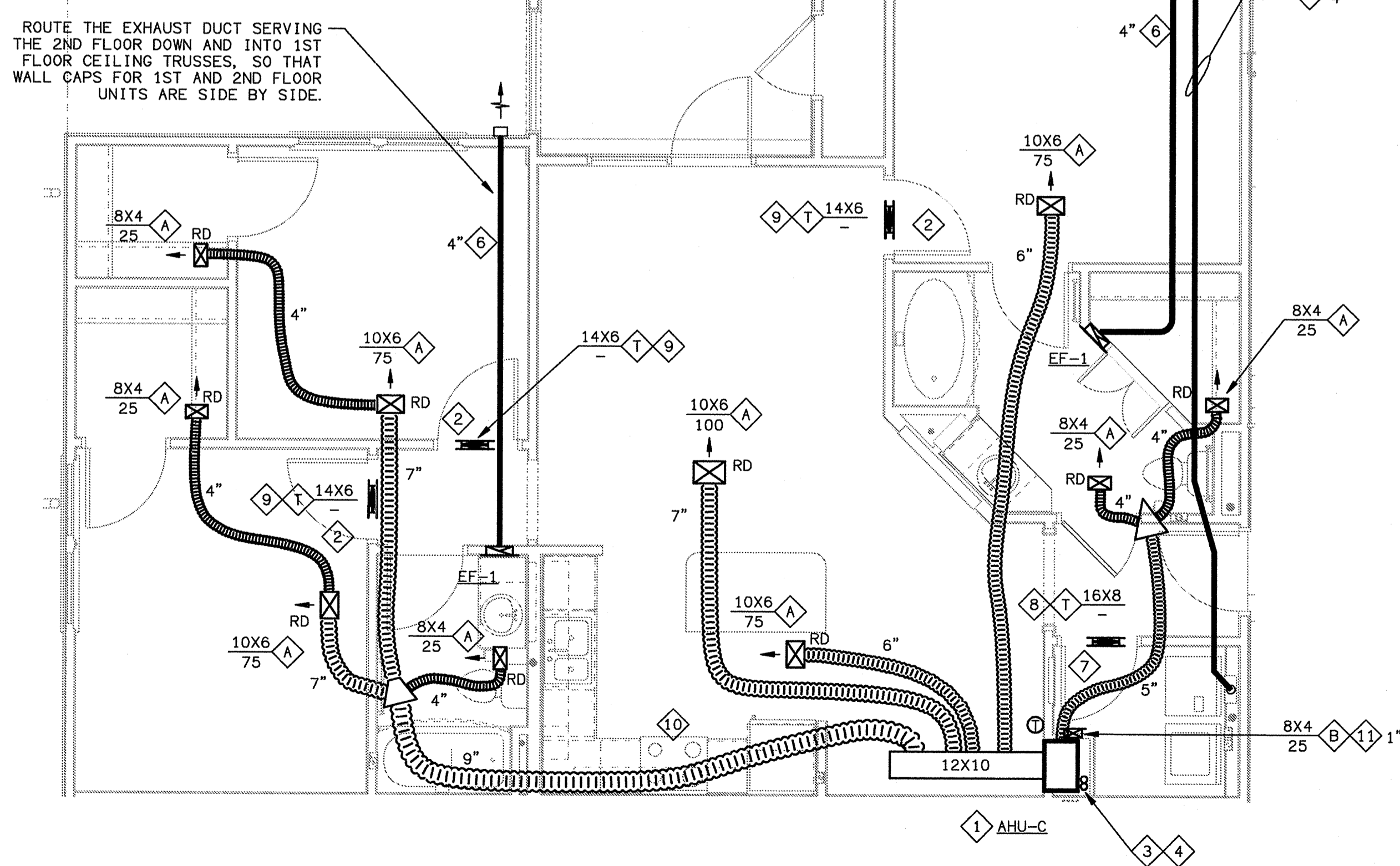
**D6 UNIT B - HVAC PLAN**  
SCALE: 1/4" = 1'-0"

DRYER VENT LENGTH C	
1ST FLOOR	UPPER FLOORS
HORIZONTAL 30FT VERTICAL 10FT 1 90° ELBOW HARD, 1 IN FLEX	HORIZONTAL 30FT VERTICAL 2FT 1 90° ELBOW HARD, 1 IN FLEX

THIS DRYER VENT EXCEEDS 35 FEET CODE EQUIVALENT. THEREFORE, PROVIDE A DRYER SUCH AS THE MODEL SUGGESTED BELOW PRIOR TO OCCUPANCY WHICH IS CAPABLE OF VENTING THROUGH THE LENGTH INSTALLED, AND SUBMIT INSTALLATION INSTRUCTIONS TO THE CODE INSPECTOR PRIOR TO COVERING UP THE DRYER DUCT.

SUGGESTED DRYER: SELECTED BY OWNER

PERMANENTLY AFFIX AN ENGRAVED PHENOLIC TAG WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION WHICH STATES THE FOLLOWING WITH ACTUAL INSTALLED VALUES:  
"THE INSTALLED DRYER VENT IS "X" FEET LONG WITH "Y" 90° ELBOWS AND "Z" 45° ELBOWS. TO AVOID FIRE HAZARD, ANY DRYER INSTALLED HERE SHOULD BE RATED BY THE MANUFACTURER TO VENT THRU THAT LENGTH PLUS THE OCCUPANT INSTALLED FLEXIBLE CONNECTION LENGTH AND ELBOWS."



**D6 UNIT C - HVAC PLAN**  
SCALE: 1/4" = 1'-0"

LAKE COUNTY BUILDING DIVISION  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

- ### HVAC SHEET NOTES
- 1 MOUNT AHU PER DETAIL ON SHEET H6.02.
  - 2 UNDERCUT DOOR 1" ABOVE CARPET OR FLOORING FOR RETURN AIR.
  - 3 ROUTE REFRIGERANT LINES IN MECHANICAL CLOSET CAVITY THEN BELOW GRADE TO CU LOCATED ON GROUND PER UNDERGROUND REFRIGERANT DETAIL ON SHEET H6.02.
  - 4 REFER TO PLUMBING DRAWINGS FOR CONDENSATE DRAIN LINE ROUTING.
  - 5 4" ROUND 30 GAUGE DRYER VENT. ROUTE PER DETAIL ON SHEET H6.02.
  - 6 ROUTE BATH EXHAUST DUCT PER DETAIL ON SHEET H6.02.
  - 7 AVOID ROUTING DUCT OVER ELECTRICAL PANEL IN THIS AREA.
  - 8 PROVIDE GRILLE ON BOTH SIDES OF WALL. CENTER ABOVE DOOR. CONNECT WITH GALVANIZED STEEL COLLAR. ANGLE GRILLE BLADES UP. FOR DRYER MAKEUP AIR.
  - 9 PROVIDE GRILLE ON BOTH SIDES OF WALL. FOR RETURN AIR TRANSFER. CENTER ABOVE DOOR. CONNECT WITH GALVANIZED STEEL COLLAR. ANGLE GRILLE BLADES UP.
  - 10 UL LISTED DUCTLESS RANGE VENTING DEVICE.
  - 11 PROVIDE BAFFLE IN REGISTER WITH HOLE SIZE INDICATED TO LIMIT AIR FLOW WITHOUT EXCESSIVE NOISE. BE PREPARED TO ENLARGE HOLE IF MORE AIR FLOW IS REQUIRED.

ISSUE HISTORY		
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REVISION HISTORY		
No.	Date	Description

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**SUMMER BAY APARTMENTS**  
Lake County, FL

Client: GHK  
Checked: GHK  
Approved: GHK  
Date: 08-05-2013  
Project #: 5109

**UNIT B & C HVAC PLANS** H3.02

ENGINEER OF RECORD  
11/17/11  
10-0870

**GREG H. KLEBANOFF**  
LICENSE  
No. 46916  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

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3/21/2007/13007/14/NET/2/00 PLOTTED: 02/22/13 2:50 PM

**PACKAGED TERMINAL AIR CONDITIONER SCHEDULE**

MARK	PTAC-F
UNIT COOLING CAPACITY (BTU/HR)	2000 MINIMUM
UNIT HEATING CAPACITY (KW)	0
SUPPLY AIR (CFM)	90
OUTSIDE AIR (CFM)	0
SERVES	ROOM WITH FIRE ALARM CONTROL PANEL
MIN EER	9
DIMENSIONS (D X L X H) INCHES	11X13X18
VOLT / PHASE	120/1
MANUFACTURER	KOOLTRONIC
MODEL	KA4C2RP17R
REMARKS	1 THRU 9
REMARKS: 1. EVAPORATOR FILTER 2. WALL SLEEVE 3. FLUSH MOUNT TO INSIDE. 4. RATINGS ARE AT ARI CONDITIONS 5. PAINTED METAL EXTERIOR GRILLE AND PAINTED CABINET WITH ROUNDED CORNERS. 6. SHORT CYCLE PROTECTION 7. UNIT MOUNTED THERMOSTAT 8. CONDENSATE DRAIN KIT OR CONDENSATE EVAPORATOR 9. POWER CORD	

**ELECTRIC HEATER SCHEDULE**

MARK	MANUFACTURER & MODEL	TYPE	KW	ELECTRIC		DIMENSIONS H X W X D	REMARKS
				VOLTS	PHASE		
WH-1	Q-MARK CRA1512	WALL MOUNT	.75	120	1	12 X 10 X 4	1 THRU 6
REMARKS 1. PROVIDE SINGLE POINT ELECTRICAL CONNECTION. 2. PROVIDE UNIT MOUNTED DISCONNECT. 3. PROVIDE UNIT MOUNTED THERMOSTAT. 4. HEATER SHALL BE UL LISTED. 5. PROVIDE WITH MOUNTING BRACKET. 6. PROVIDE WITH FAN.							

**LIVING UNIT REGISTER SCHEDULE**

MARK	DESCRIPTION	OSD	MOUNTING	COLOR	MATERIAL	REMARKS
A	CURVED BLADE STAMPED FACE	Y	CEILING	WHITE	STEEL	1, 2, 3, 4
B	ONE WAY THROW SUPPLY	Y	WALL	WHITE	STEEL	1, 4, 5
T	LOUVERED FACE TRANSFER	N	WALL	WHITE	STEEL	1, 4, 5
1. SEE HVAC PLANS FOR NECK SIZES AND CFMS. 2. 4-WAY UNLESS NOTED OTHERWISE ON PLAN BY ARROWS. 3. MAXIMUM PRESSURE DROP OF 0.06 IN WC. 4. TRANSITION ROUND FLEXIBLE OR RECTANGULAR RIGID DUCTWORK TO AIR DEVICES AS REQUIRED. 5. HORIZONTAL DIMENSION GIVEN FIRST.						

**SPLIT SYSTEM SCHEDULE**

MARK	CU-A/AHU-A	CU-B/AHU-B	CU-C/AHU-C
NOMINAL TONS OF CU	1.5	1.5	1.5
TOTAL COOLING LOAD (MBH)	7.2 - 12.1	11.6 - 15.6	15.1
SENSIBLE COOLING LOAD (MBH)	5.6 - 9.9	9.2 - 12.7	12.0
AHU CONFIGURATION	THRU WALL	THRU WALL	THRU WALL
AHU DIMENSIONS D X W X H (IN)	21 X 24 X 36	21 X 24 X 36	21 X 24 X 36
SUPPLY AIR (CFM)	550	550-575	550
EXTERNAL STATIC PRESS. (IN. W.C.)	0.4	0.4	0.4
ENTERING AIR DRY BULB ('F.)	75	75	75
ENTERING AIR WET BULB ('F.)	63	63	63
EVAPORATOR FAN	HP VOLT/φ 240/1	1/2 240/1	1/2 240/1
ELECTRIC HEAT	LOAD (MBH) KW @ 240V VOLT/φ/STAGES 240/1/1	4.7 - 8.1 5 240/1/1	9.1 - 10.6 5 240/1/1
CONDENSING UNIT	VOLT/φ 240/1	240/1	240/1
SERVES LIVING UNIT	A ALL VARIATIONS	B ALL VARIATIONS	C ALL VARIATIONS
AHU MODEL# (GOODMAN)	AWUF-31	AWUF-31	AWUF-31
CU MODEL# (GOODMAN)	GSZ13-018	GSZ13-018	GSZ13-018
CU DIMENSIONS D X W X H (INCHES)	23 X X 23 X 30	23 X X 23 X 30	23 X X 23 X 30
MINIMUM EFFICIENCY AT ARI	14 SEER/8.2 HSPF	14 SEER/8.2 HSPF	14 SEER/8.2 HSPF
REMARKS	1 THRU 11	1 THRU 11	1 THRU 11

- EXTERNAL STATIC PRESSURE EXCLUDES LOSSES DUE TO AHU CASING, DIRT ON FILTER, AND WET COOLING COIL.
- PROVIDE WITH PROGRAMMABLE THERMOSTAT.
- 95°F OUTSIDE AIR AMBIENT AT CONDENSING UNIT.
- COOLING LOADS EXCLUDE EVAPORATOR FAN HEAT.
- PROVIDE WITH 5 MINUTE TIME DELAY RELAY TO PREVENT COMPRESSOR FROM SHORT CYCLING.
- WIRE AHU FAN AT LOWEST SPEED WHICH ACHIEVES STATED AIR FLOWS.
- PROVIDE SYSTEM WITH R-410A TYPE REFRIGERANT.
- PROVIDE AHU WITH SINGLE POINT ELECTRICAL CONNECTION AND FACTORY DISCONNECT.
- PROVIDE ACCESSORIES SUCH AS THERMAL EXPANSION VALVES AS REQUIRED BY THE MANUFACTURER TO OBTAIN THE MINIMUM EFFICIENCIES STATED ABOVE.
- PROVIDE AHU WITH INTEGRAL LOUVERED ACCESS PANEL.
- CU AND ELECTRIC RESISTANCE HEATER WILL OPERATE SIMULTANEOUSLY, DURING DEFROST AND TO MEET TOTAL HEAT LOAD DURING THE MOST EXTREME COLD WEATHER.

AIR CONDITIONING SYSTEMS FOR THE LIVING UNITS AND PUBLIC SPACES HAVE BEEN SIZED TO PROVIDE 75° AT 1% ASHRAE WEATHER CONDITIONS.

LOADS ARE BASED ON R-13 WALL, AND R-30 ROOF INSULATION

EQUIVALENT PRODUCTS BY ALTERNATE MANUFACTURERS WILL BE REVIEWED.

LOADS ARE BASED ON WINDOWS WITH A U-VALUE OF NO MORE THAN 0.35 AND A SHGC OF NO MORE THAN 0.35. (SC=0.40)

**LIVING UNIT EXHAUST FAN SCHEDULE**

MARK	MANUFACTURER TYPE & MODEL	CFM	E. S. P.	DRIVE	ELECTRICAL		MOUNTING	MAXIMUM SONES ALLOWED	HOUSING DEPTH (INCHES)	SERVES	REMARKS
					WATTS	HP					
EF-1	BROAN LP-80	50	.3	DIRECT	26	120/1	WALL	3	4	BATHROOM	1 THRU 3
1. PROVIDE WITH UNIT MOUNTED DISCONNECT. 2. PROVIDE WITH WHITE OR OFF-WHITE GRILLE. 3. PROVIDE WITH BACKDRAFT DAMPER.											

LAKE COUNTY BUILDING DIVISION  
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**HVAC GENERAL NOTES**

- PIPE AND DUCT ROUTING SHOWN IS SCHEMATIC. PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS, INCLUDING DIVIDED DUCTS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERED IN THE FIELD.
- DUCT MATERIAL AND INSTALLATION SHALL CONFORM TO SMACNA.
- PROVIDE ALL CONTROL WIRING AND CONDUIT IN COMPLIANCE WITH NEC AND DIVISION 16 SPECIFICATIONS.
- PROVIDE MATERIALS WHICH HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS WHEN TESTED IN ACCORD WITH ASTM E84.
- INSULATE SUPPLY AND RETURN DUCTS TO A MINIMUM R-VALUE OF 8 UNLESS INSTALLED IN A MECHANICALLY COOLED SPACE OR IN A CAVITY WHOSE EXTERIOR WALLS ARE INSULATED, IN WHICH CASE THE R-VALUE MAY BE 0.
- SECURE FIBROUS DUCT BOARD SECTIONS TOGETHER WITH STAPLES AND SEAL WITH FABRIC AND MASTIC. PROPERLY APPLIED HEAT OR PRESSURE SENSITIVE TAPE IS ALLOWED IN LIEU OF FABRIC AND MASTIC.
- IN HANDICAPPED ACCESSIBLE AND FAIR HOUSING AREAS, MOUNT CONTROLS AT 48" ABOVE FINISHED FLOOR.
- ALTERNATE MANUFACTURERS AND MODELS WILL BE REVIEWED. THERE MAY BE ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL CHANGES RESULTING FROM THE ALTERNATES. THE COST OF IMPLEMENTING AND ENGINEERING THESE CHANGES SHALL BE BORNE BY THE MECHANICAL SUBCONTRACTOR.
- PROVIDE FILTERS IN AHU'S DURING CONSTRUCTION. REPLACE WITH PLEATED MEDIA FILTERS AT SUBSTANTIAL COMPLETION.
- LOCATE WALL AND ROOF TERMINATIONS AT THE SAME RELATIVE ELEVATION AND HORIZONTAL POSITION TO MAINTAIN A UNIFORM APPEARANCE. WHEN IN DOUBT, COORDINATE PLACEMENT WITH ARCHITECT. PRIME COAT AND PAINT EXTERIOR TERMINATIONS TO MATCH BUILDING COLOR.
- SLEEVE AND FIRE STOP PENETRATIONS THROUGH FIRE RATED SYSTEMS TO MAINTAIN RATING OF SYSTEM. USE MINIMUM GALVANIZED STEEL GAUGE DUCT AS REQUIRED TO MAINTAIN RATING OF SYSTEM.
- LIVING UNITS ARE PROVIDED OUTSIDE AIR VIA NATURAL VENTILATION PER CHAPTER 12 OF THE FBC.
- ASSEMBLE DRYER DUCTS WITHOUT SHEET METAL SCREWS OR OTHER FASTENERS EXTENDING INTO AIR STREAM. RUN EACH JOINT IN THE DIRECTION OF AIR FLOW SO AS NOT TO CATCH LINT. SEAL JOINTS WITH NON-COMBUSTIBLE MATERIAL.
- COORDINATE ALL HVAC SYSTEM DRAWINGS WITH TRUSS MANUFACTURER DURING SHOP DRAWING REVIEW TO AVOID INTERFERENCES BETWEEN MECHANICAL SYSTEMS WITH ROOF AND FLOOR/CEILING STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TRUSS INTERFERENCES THAT OCCUR IN THE FIELD DURING CONSTRUCTION. COORDINATE IN ADVANCE. DUCT SIZES MAY BE REVISED TO FIT TRUSS SYSTEM SO LONG AS THE EQUIVALENT INSIDE CROSS-SECTIONAL AREA IS NOT DECREASED.
- PROVIDE ENGRAVED TAGS FOR ALL CU'S. MOUNT TAGS PERMANENTLY ON CU AND ON DISCONNECT.
- PROVIDE OUTSIDE AIR DUCTS AS GALVANIZED STEEL, EXTERNALLY INSULATED WHERE IN CONDITIONED SPACE, WHERE IN AHU ROOMS, AND WHERE IN CAVITIES BETWEEN CONDITIONED FLOORS.
- PROVIDE AN AIR BALANCE REPORT FOR THE SUPPLY AIR SYSTEM OF ONE AHU OF EACH TYPE ON THE SCHEDULE. MEASURE THE AIR FLOW OUT OF EACH SUPPLY REGISTER AND ATTEMPT TO BALANCE THE SYSTEM TO THE AIR FLOWS LISTED ON THE HVAC PLANS. LIST ANY DIFFICULTIES AND OBSERVATIONS. PERFORM THIS TEST AND BALANCE BEFORE ANY DUCTS ARE CLOSED IN WITH DRYWALL. HAVE THE AIR REGISTERS IN PLACE. PROVIDE TEMPORARY POWER AS REQUIRED. SUBMIT THIS REPORT TO THE ARCHITECT ON CONTRACTOR LETTERHEAD. THE PURPOSE OF THIS PROCEDURE IS TO ALLOW ANY AIR FLOW PROBLEMS TO BE SOLVED AND AIR FLOW TO BE OPTIMIZED WITH MINIMAL REWORK.
- SUPPORT SPACING FOR ALL PIPES SHALL COMPLY WITH TABLE 305.4 OF THE FLORIDA MECHANICAL CODE. SPECIFICALLY, REFRIGERANT PIPING SHALL BE SUPPORTED ON 6 FOOT CENTERS AND CONDENSATE PIPING SHALL BE SUPPORTED ON 3 FOOT CENTERS IF 1 INCH OR SMALLER, AND 4 FOOT CENTERS IF OVER 1".
- COMPLY WITH MANUFACTURER'S SPECIFICATIONS AND CLEARANCE REQUIREMENTS WHEN INSTALLING EQUIPMENT AND MATERIALS.

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

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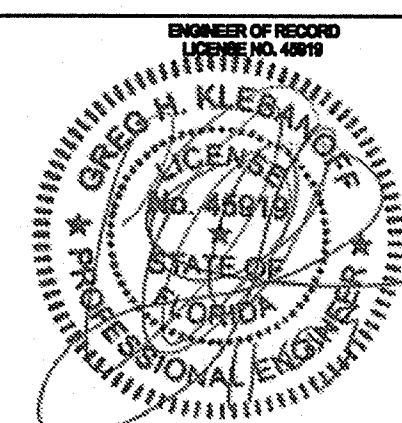
**SUMMER BAY APARTMENTS**

Lake County, FL

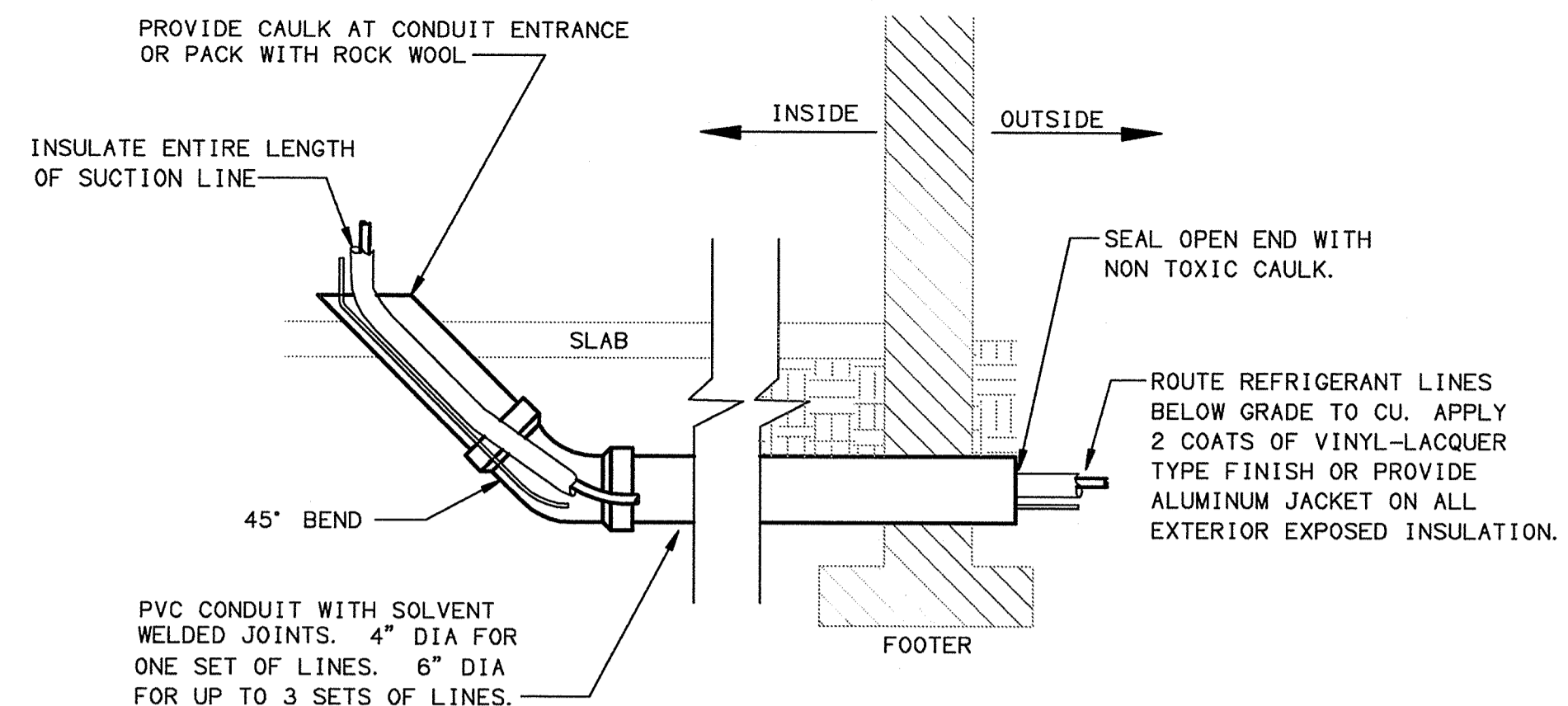
**HVAC SCHEDULES AND DETAILS**

Drawn:	GHK
Checked:	GHK
Approved:	GHK
Date:	09-05-2013
Project #:	5189

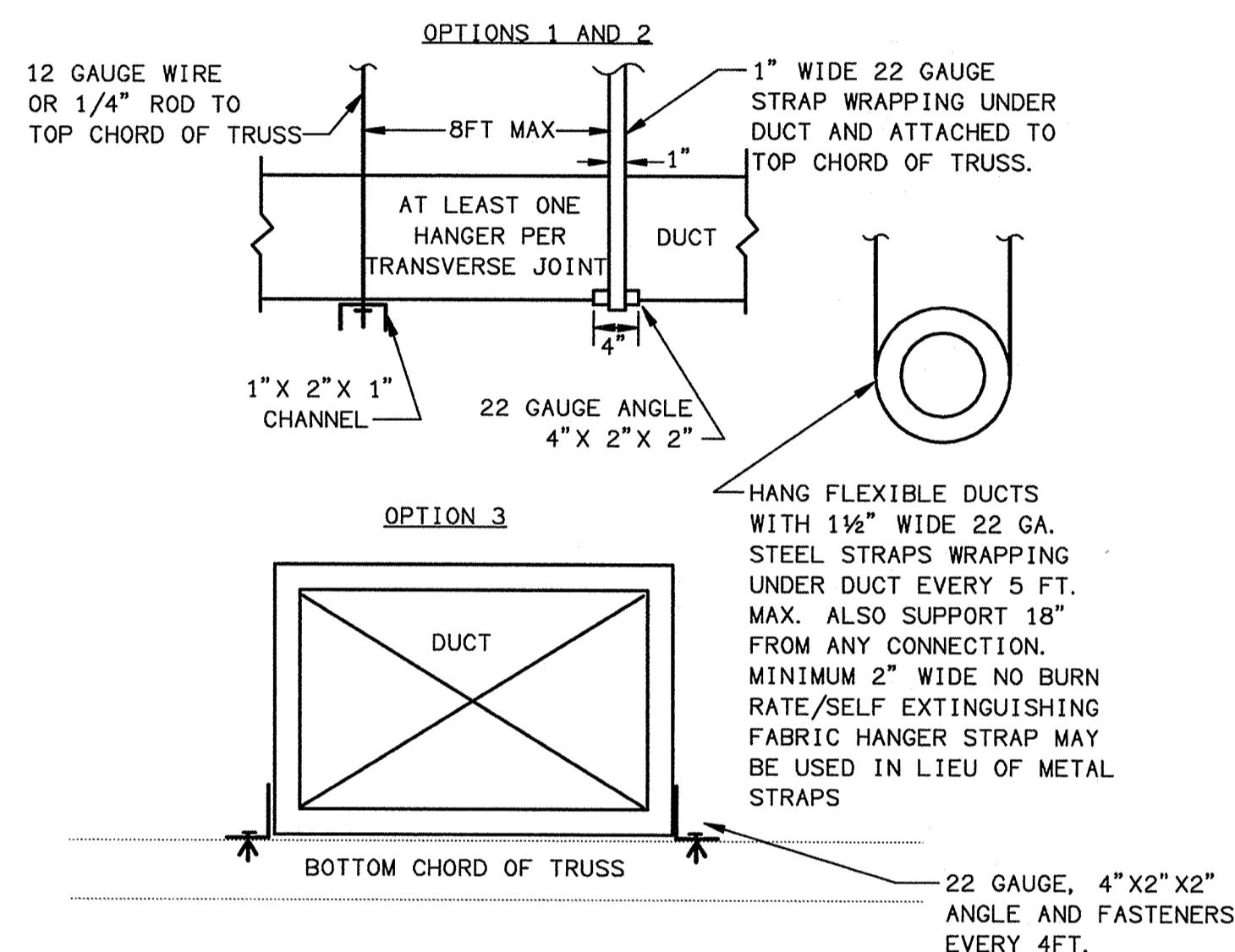
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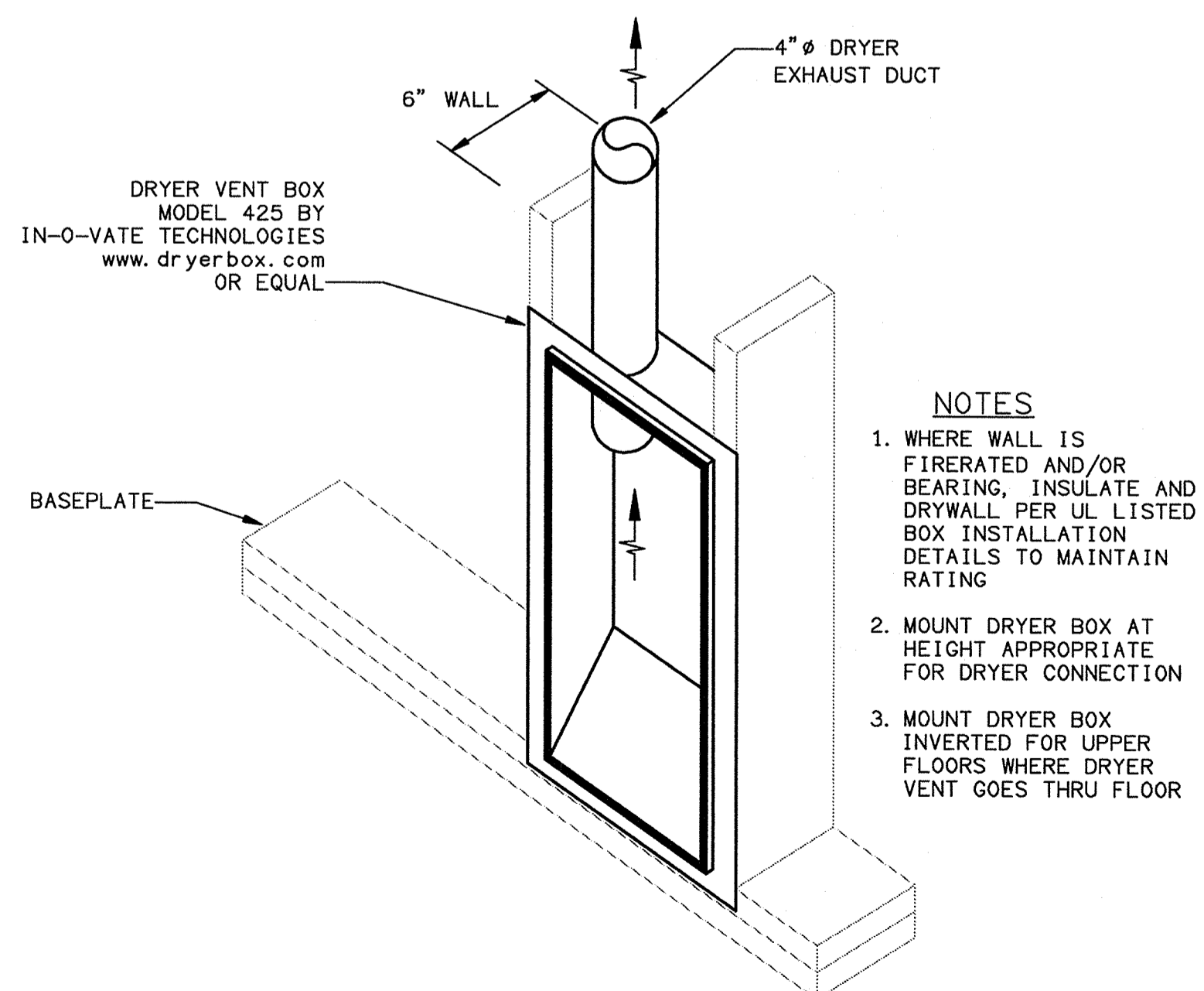
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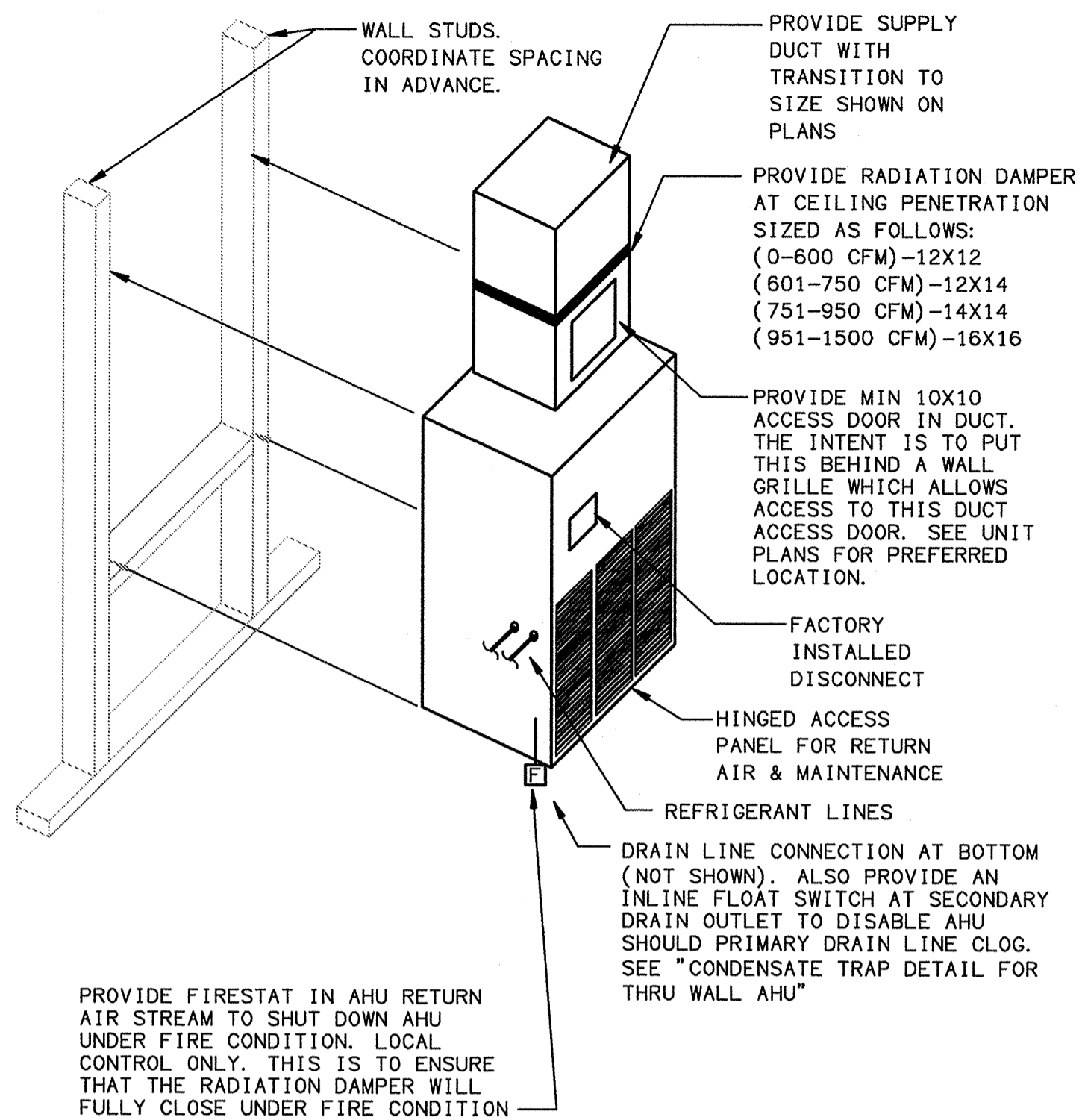
**UNDERGROUND REFRIGERANT LINES**  
NTS



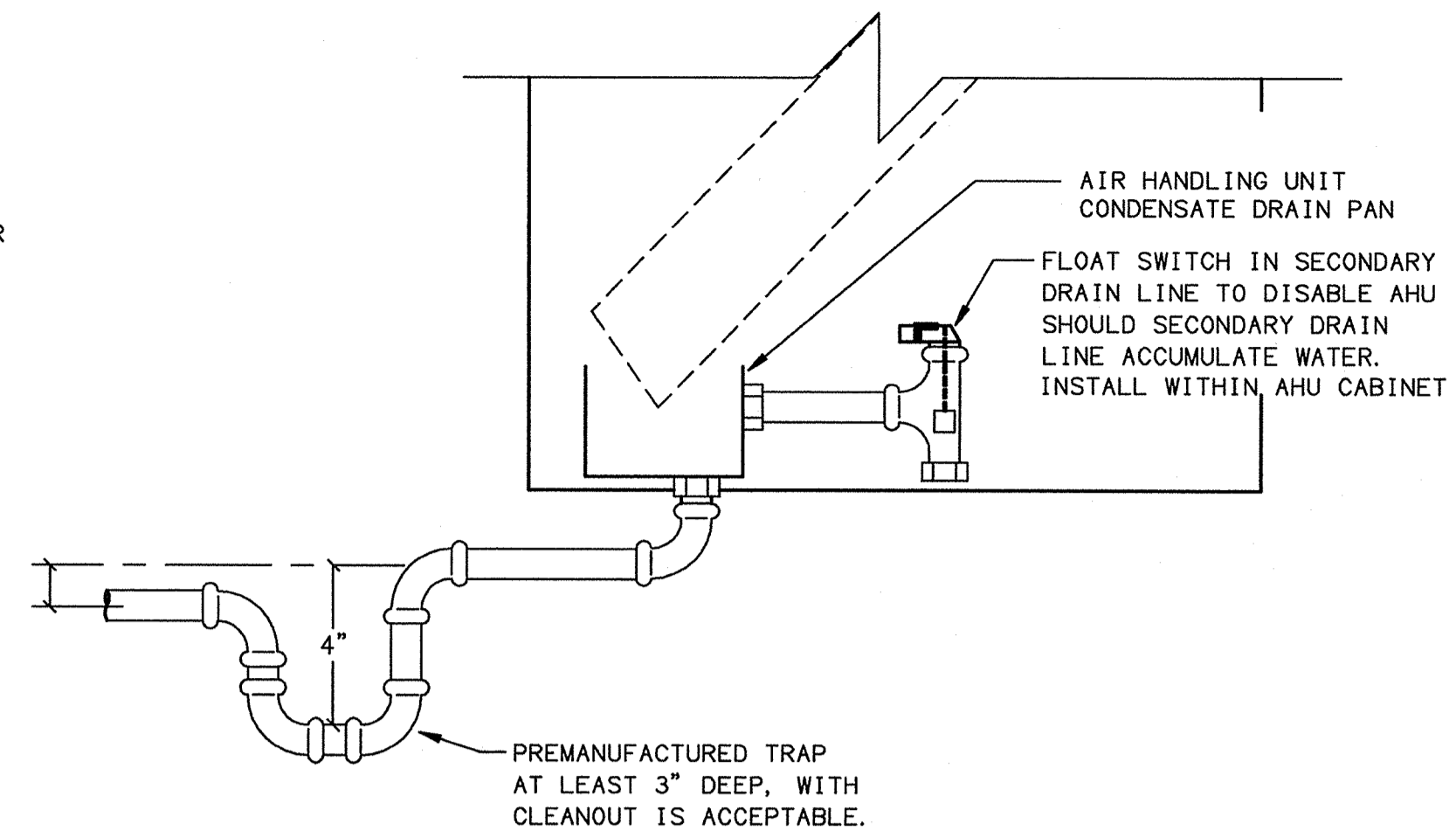
**DUCT SUPPORT DETAILS**  
SCALE: NTS



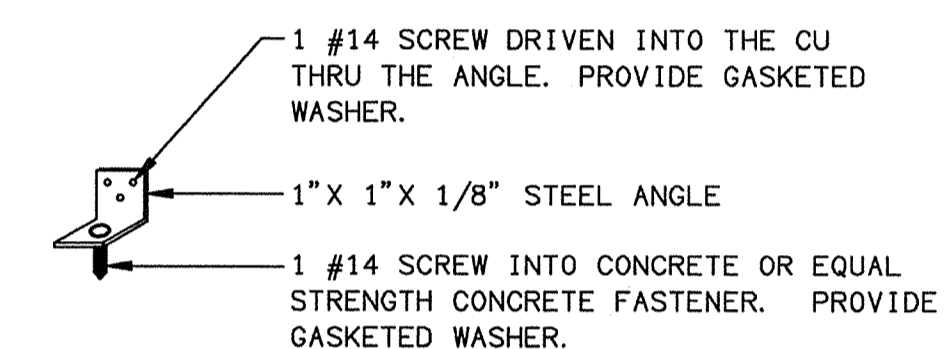
**DRYER VENT BOX - FLOOR MOUNT DRYER**  
NTS



**WALL MOUNT AHU DETAIL**  
SCALE: NTS



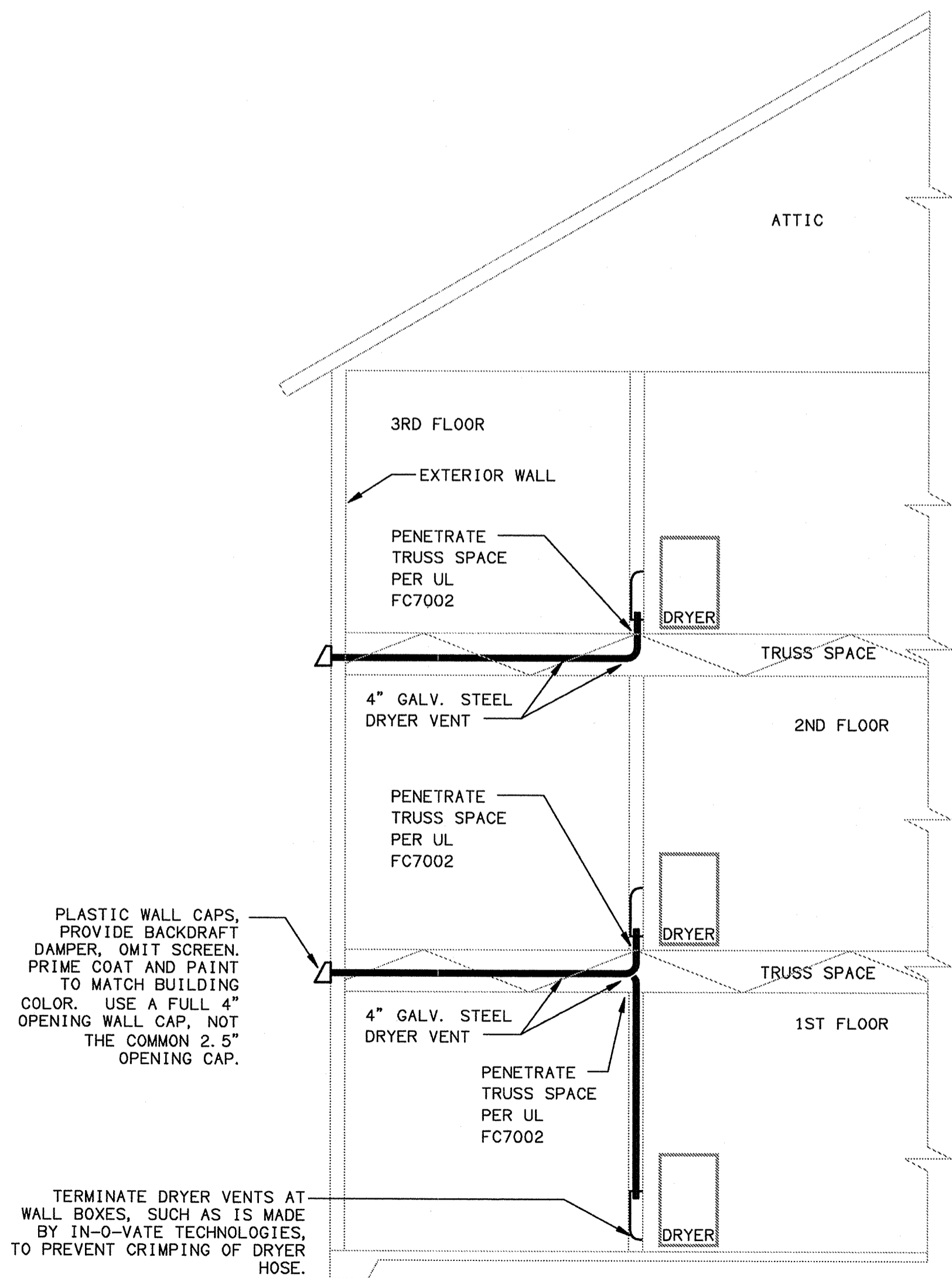
**CONDENSATE TRAP DETAIL FOR THRU WALL AHU**  
SCALE: N. T. S.



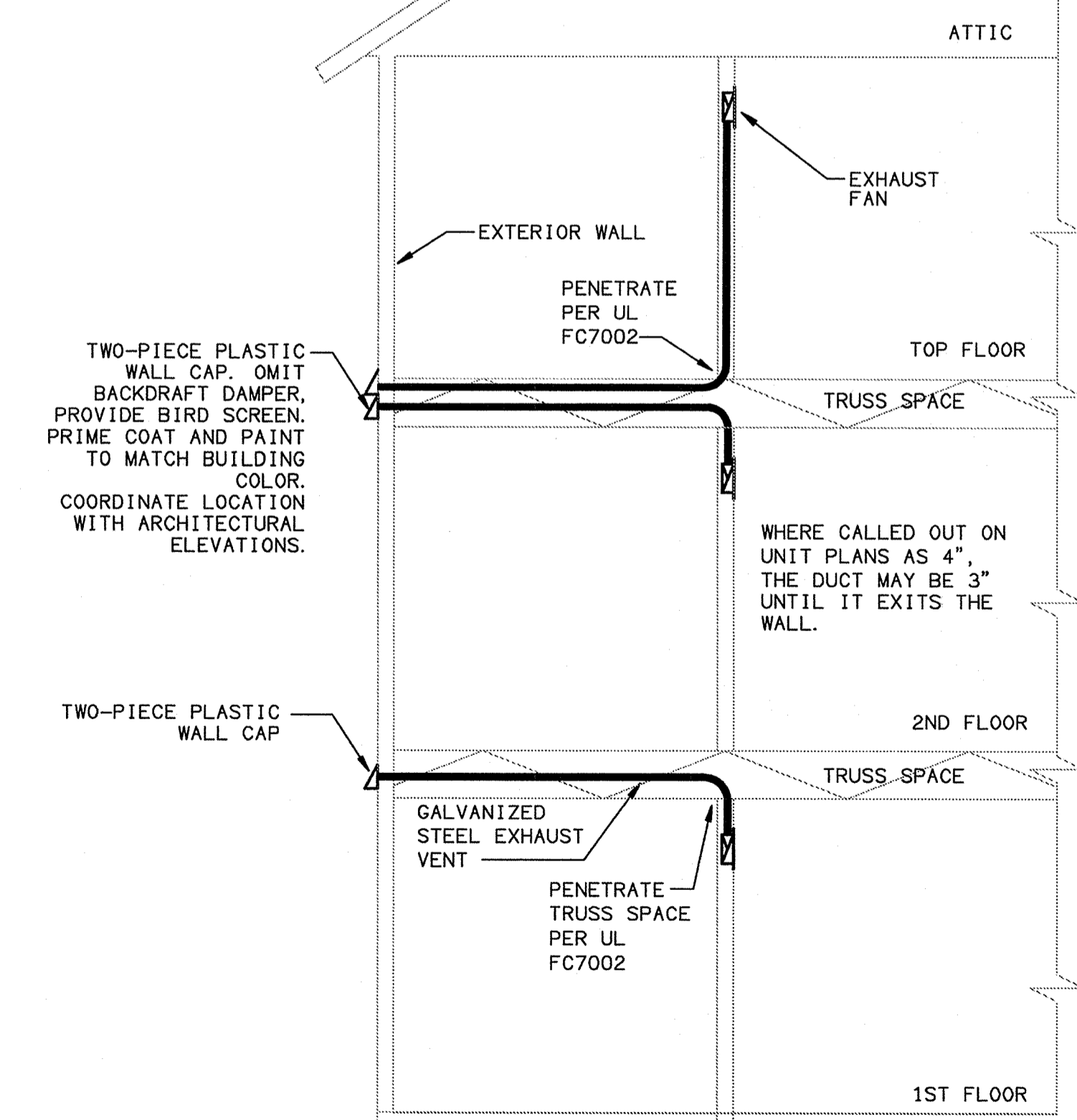
- NOTES:
- PROVIDE THE FOLLOWING NUMBER OF FASTENERS ON EACH SIDE OF CU:
- | SIDE WIDTH  | # OF FASTENERS |
|-------------|----------------|
| <12"        | 1              |
| 12" TO <24" | 2              |
| 24" TO 36"  | 3              |
- IN LIEU OF STEEL ANGLE, THE BASE OF THE CONDENSING UNIT CAN BE USED.

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**CU ANCHORING DETAIL**  
SCALE: NTS



**DRYER VENTING RISER DIAGRAM**  
SCALE: NTS



**BATH EXHAUST VENTING DETAIL**  
SCALE: NTS

SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF WALL CAPS AND COORDINATE ACCORDINGLY.

SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF WALL CAPS AND COORDINATE ACCORDINGLY.

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1	11/15/2013	ISSUE FOR PERMIT
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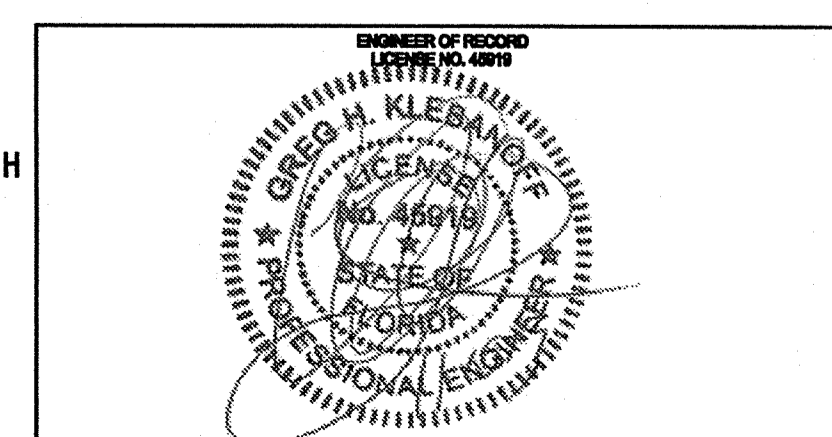
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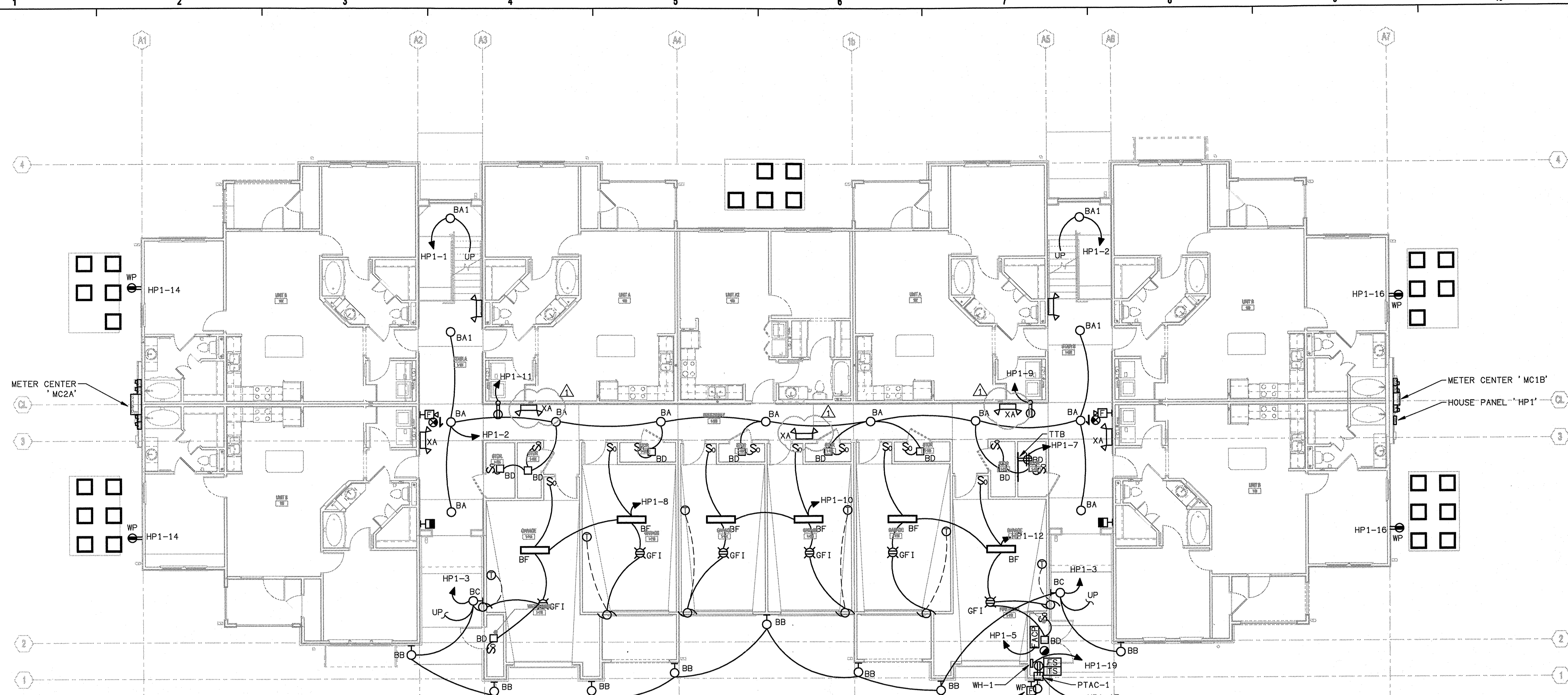
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**SUMMER BAY APARTMENTS**  
Lake County, FL

**HVAC SCHEDULES AND DETAILS** H6.02



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**BUILDING TYPE I - GROUND LEVEL - ELECTRICAL PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-E-BLDG

MOUNT HIGH ON BUILDING  
 LOCATED ON BACKFLOW PREVENTER.


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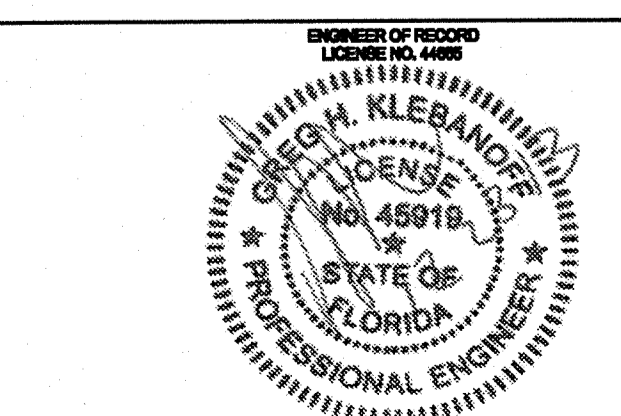
Drawn:	MLD
Checked:	MLD
Approved:	MLD
Date:	09-05-2013
Project #:	5108

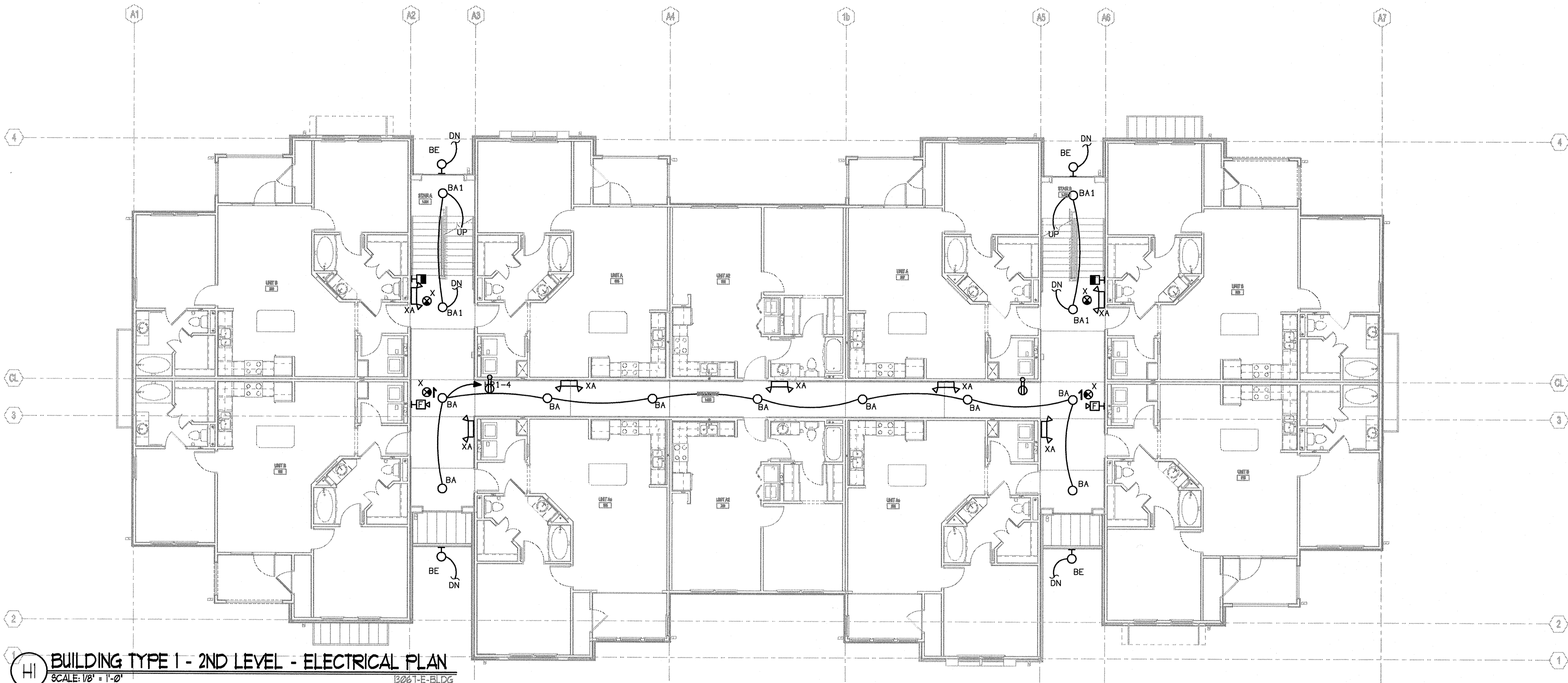
**SUMMER BAY APARTMENTS**  
 Lake County, FL

**BUILDING TYPE 1 GROUND LEVEL ELECTRICAL PLAN** E2.01

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**HI BUILDING TYPE 1 - 2ND LEVEL - ELECTRICAL PLAN**  
 SCALE: 1/8" = 1'-0"  
 B001-E-BLDG

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**REVISION HISTORY**

No.	Date	Description



**FUGLEBERG KOCH**  
 PLLC

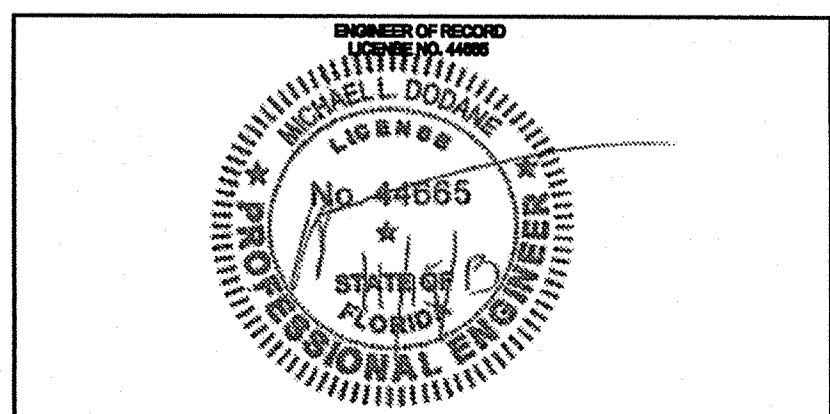
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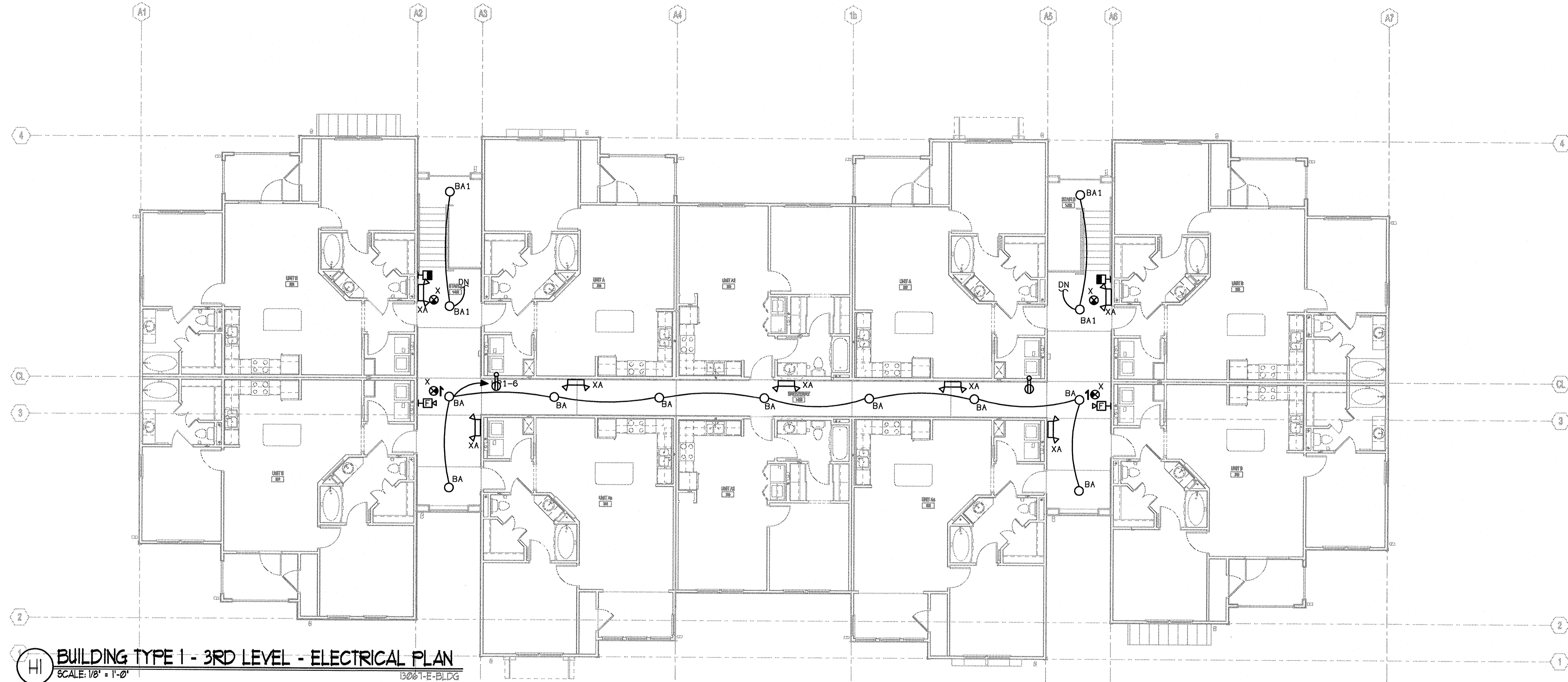
<b>SUMMER BAY APARTMENTS</b>	Drawn: MLD
Lake County, FL	Created: MLD
	Approved: MLD
	Date: 09-05-2013
	Project #: 5160

<b>BUILDING TYPE 1 2ND LEVEL ELECTRICAL PLAN</b>	<b>E2.02</b>
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**BUILDING TYPE I - 3RD LEVEL - ELECTRICAL PLAN**  
 SCALE: 1/8" = 1'-0"  
 15061-E-BLDG

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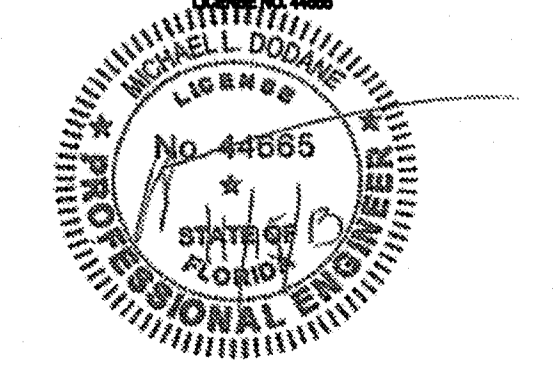
No.	Date	Description

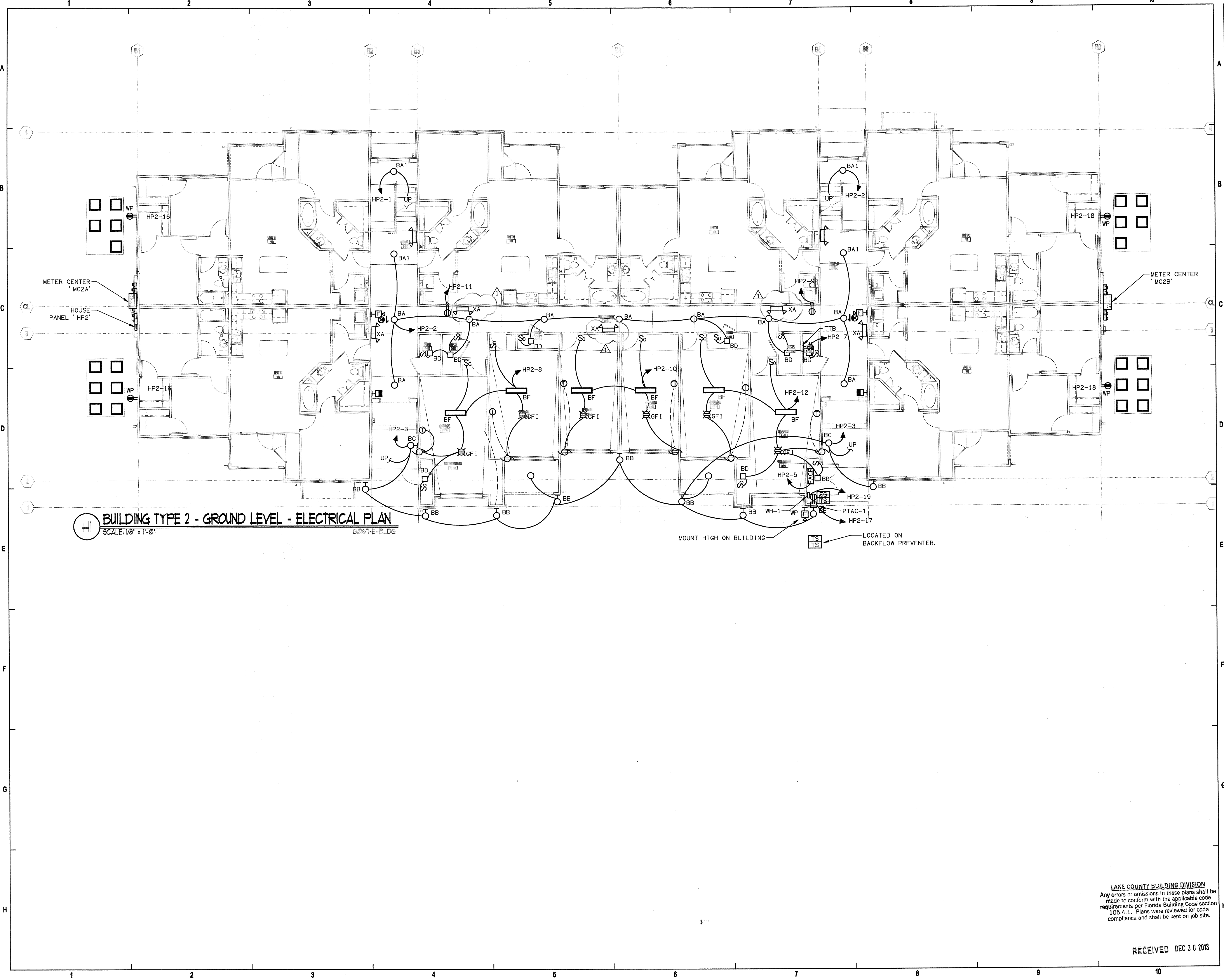
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 PH: 703.840.0492  


**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Designer: MLD  
 Checker: MLD  
 Approver: MLD  
 Date: 09-05-2013  
 Project #: 5189

**BUILDING TYPE 1  
 3RD LEVEL  
 ELECTRICAL PLAN** E2.03

PROFESSIONAL ENGINEER  
 MICHAEL L. DONAHUE  
 License No. 44555  
 STATE OF FLORIDA  




**BUILDING TYPE 2 - GROUND LEVEL - ELECTRICAL PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-E-BLDG

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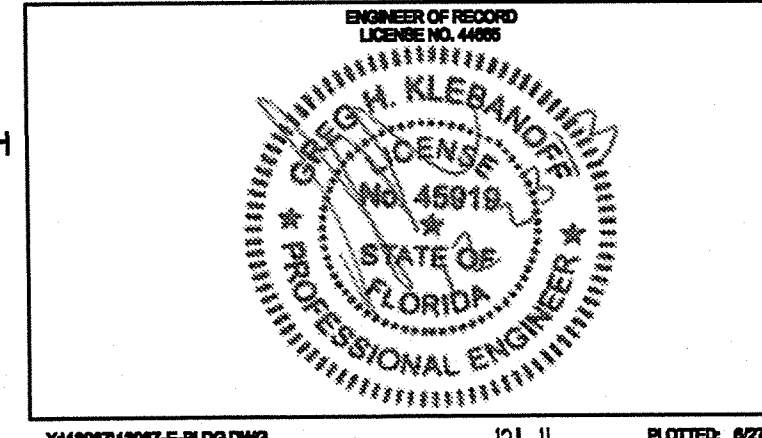
REVISION HISTORY		
No.	Date	Description
1	12/23/2013	BUILDING DEPARTMENT COMMENTS

**FUGLEBERG KOCH**  
PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com A426002103

**KTD Consulting Engineers** PROJECT # 13036  
 ALTAMONTE SPRINGS, FL 32714  
 287 S. WESTMONTA DRIVE  
 PH: 407.834.7900  
 LEESBURG, VA 20176  
 804 S. KING ST., SUITE 007  
 PH: 703.840.0480

<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: MLD
	Checked: MLD
<b>BUILDING TYPE 2 GROUND LEVEL ELECTRICAL PLAN</b>	Approved: MLD
	Date: 09-05-2013
	Project #: 5169

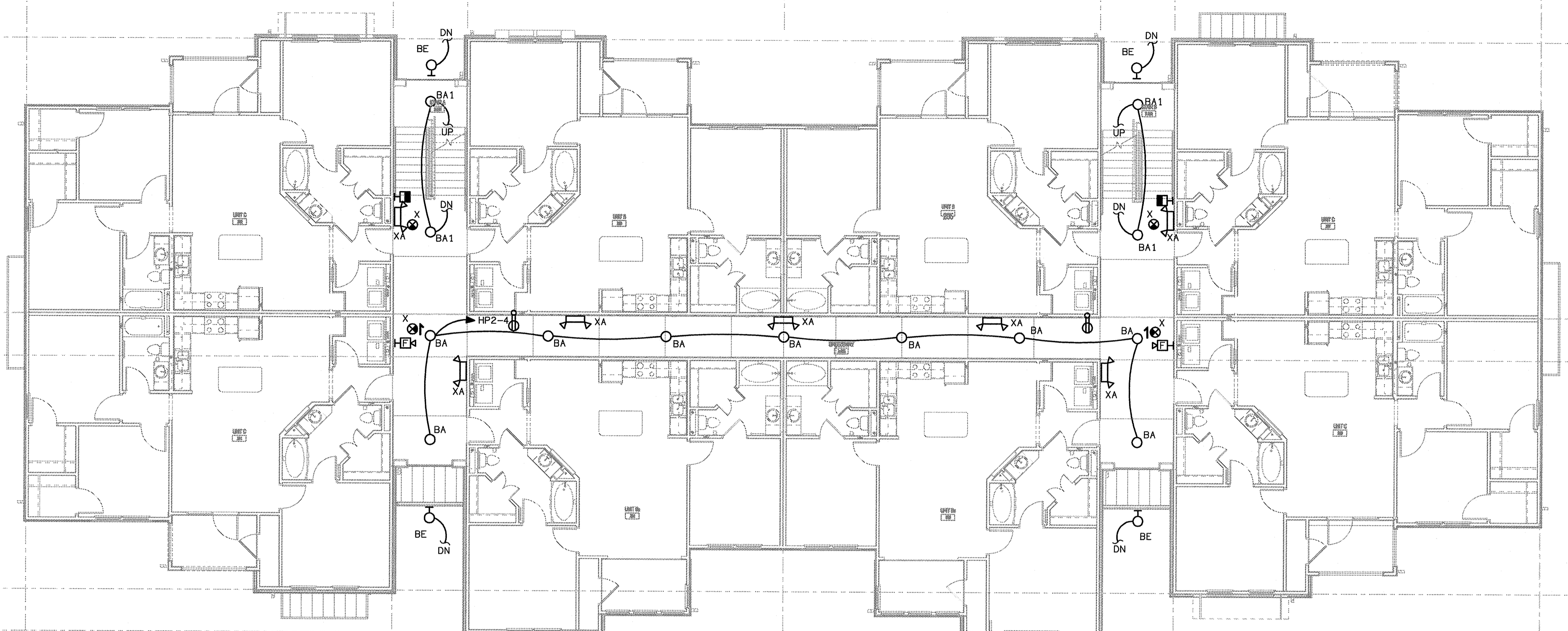


LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

RECEIVED DEC 30 2013



**BUILDING TYPE 2 - 2ND LEVEL - ELECTRICAL PLAN**  
 SCALE: 1/8" = 1'-0"  
 12061-E-BLDG



**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description



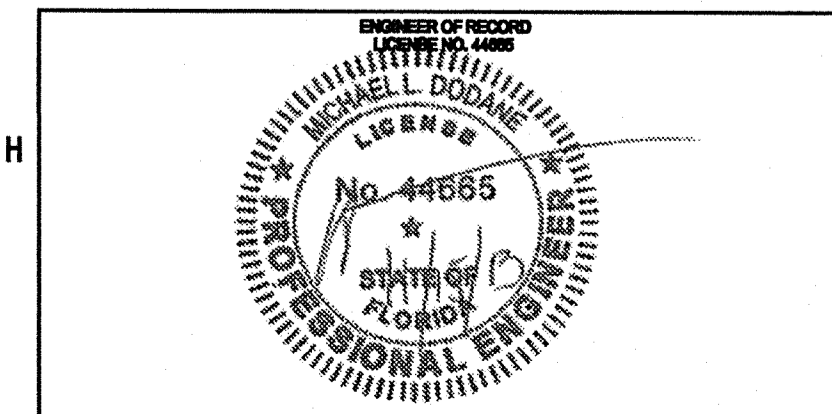
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0393  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13036  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.634.7800  
 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480  

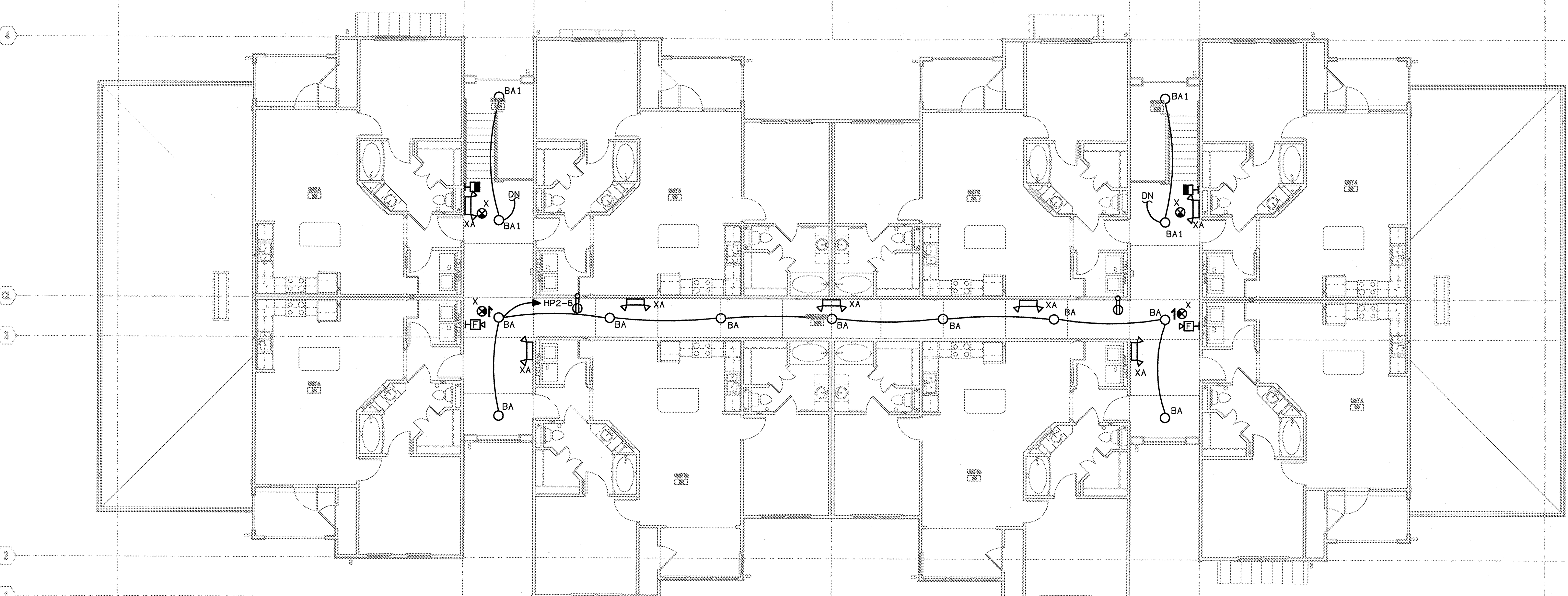

<b>SUMMER BAY APARTMENTS</b> Lake County, FL	Drawn: MLD
	Checked: MLD
	Approved: MLD
	Date: 09-05-2013
Project #: 5189	

<b>BUILDING TYPE 2 2ND LEVEL ELECTRICAL PLAN</b>	<b>E2.06</b>
--	--------------

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.



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**BUILDING TYPE 2 - 3RD LEVEL - ELECTRICAL PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-E-BLDG

**ISSUE HISTORY**

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

**REVISION HISTORY**

No.	Date	Description

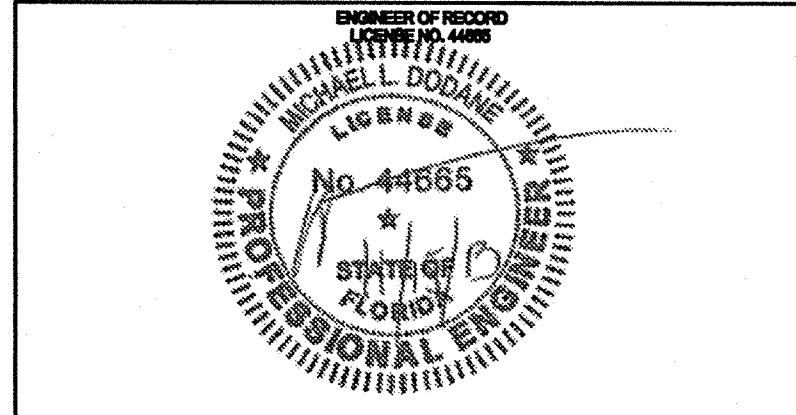
**FUGLEBERG KOCH**  
 PLLC  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0395  
 www.fuglebergkoch.com 4426002103

**KTD Consulting Engineers** PROJECT # 13050  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7800  
 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480 www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Designer: MLD  
 Checker: MLD  
 Approver: MLD  
 Date: 09-05-2013  
 Project #: 5189

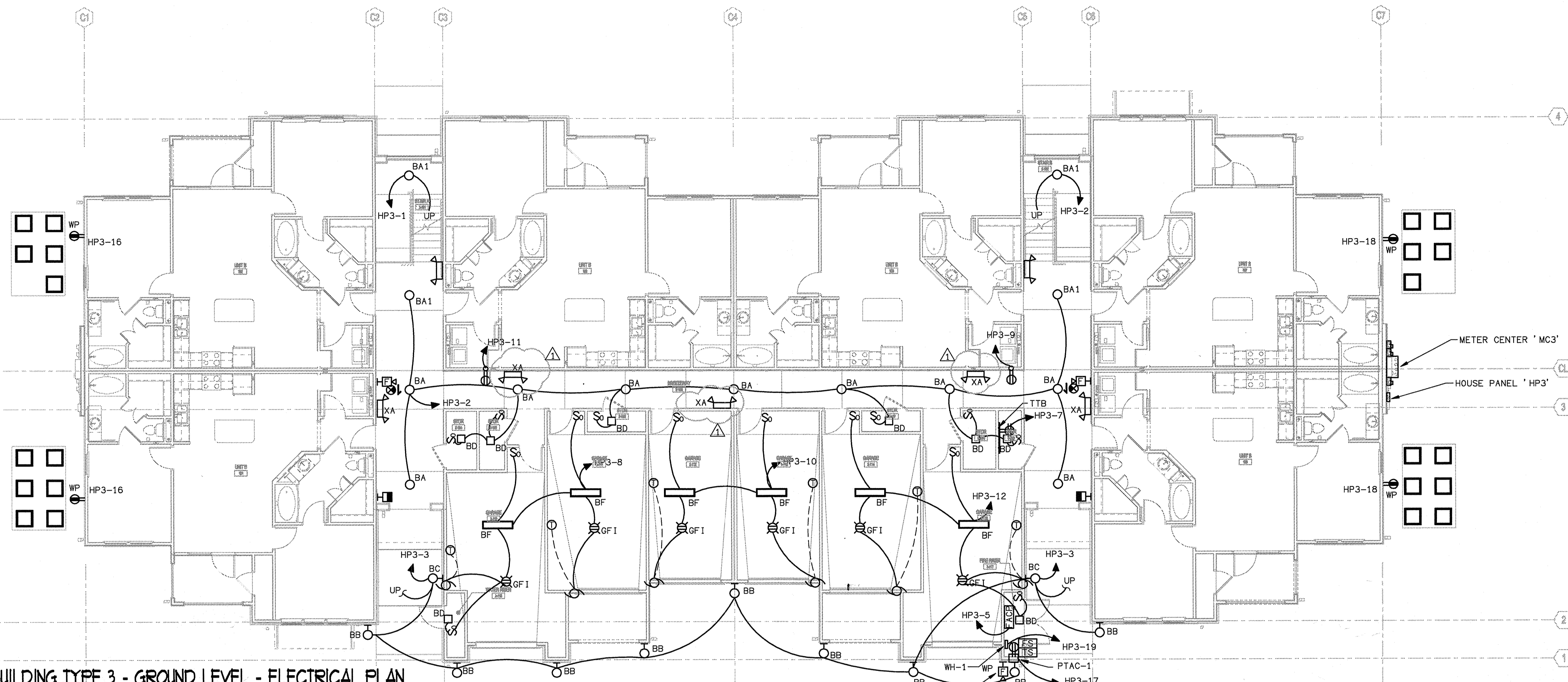
**BUILDING TYPE 2  
 3RD LEVEL  
 ELECTRICAL PLAN**  
 E2.07

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.



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**BUILDING TYPE 3 - GROUND LEVEL - ELECTRICAL PLAN**  
 SCALE: 1/8" = 1'-0"  
 13061-E-BLDG




ISSUE HISTORY		
No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

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No.	Date	Description
1	12/23/2013	BUILDING DEPARTMENT COMMENTS

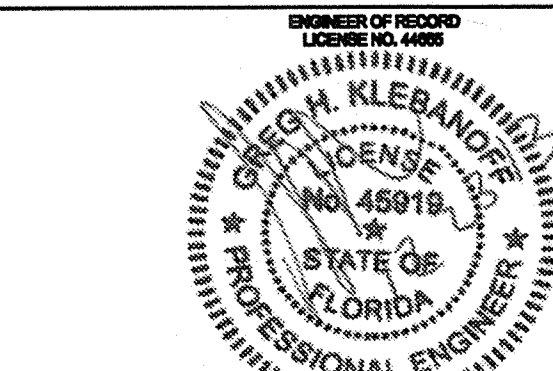
**FUGLEBERG KOCH**  
 PLLC  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT #: 13036  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTA DRIVE  
 PH: 407.834.7900  
 LEESBURG, VA 20176  
 604 S. KING ST, SUITE 007  
 PH: 703.840.0480  


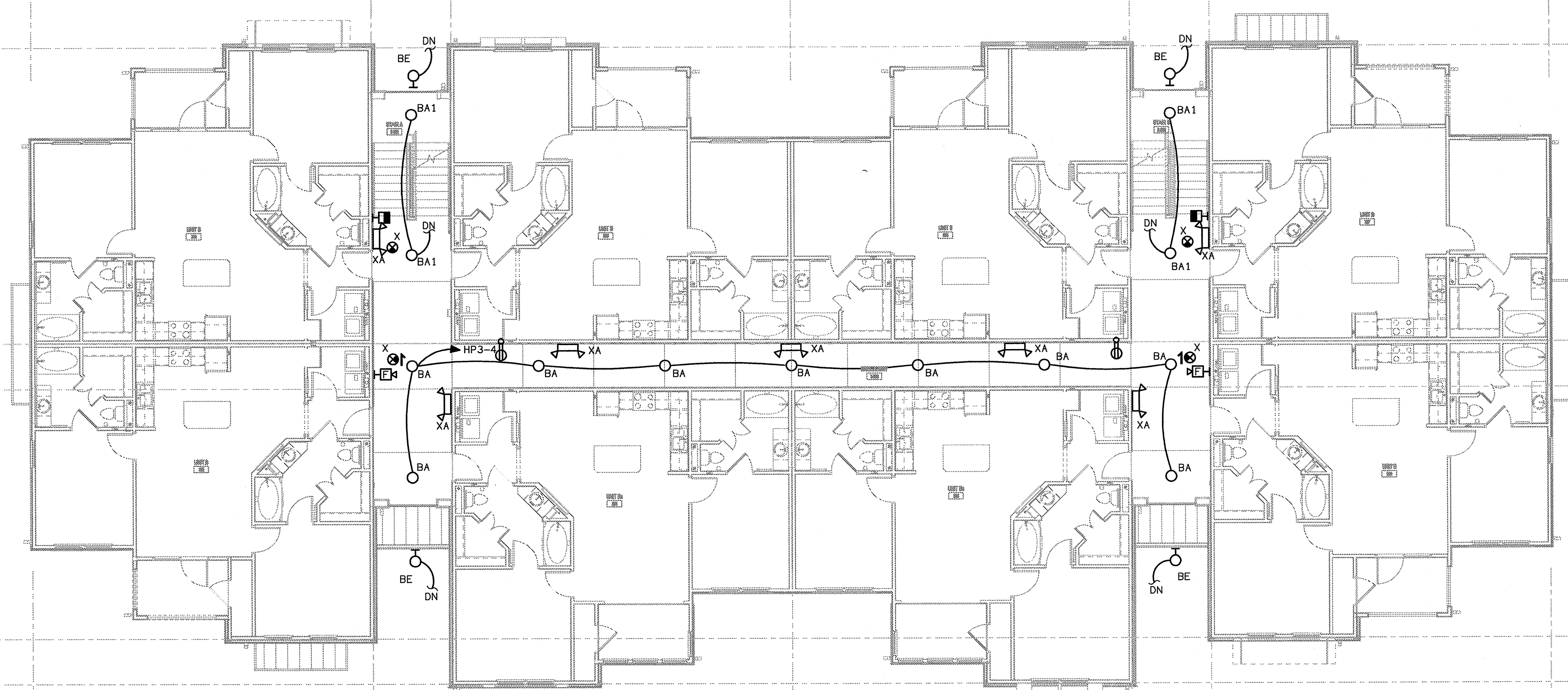
**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Drawn: MLD  
 Checked: MLD  
 Approved: MLD  
 Date: 09-05-2013  
 Project #: 5189

**BUILDING TYPE 3  
 GROUND LEVEL  
 ELECTRICAL PLAN** E2.09

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

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**HI BUILDING TYPE 3 - 2ND LEVEL - ELECTRICAL PLAN**  
 SCALE: 1/8" = 1'-0"  
 1300 T-E-BLDG



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**FUGLEBERG KOCH**  
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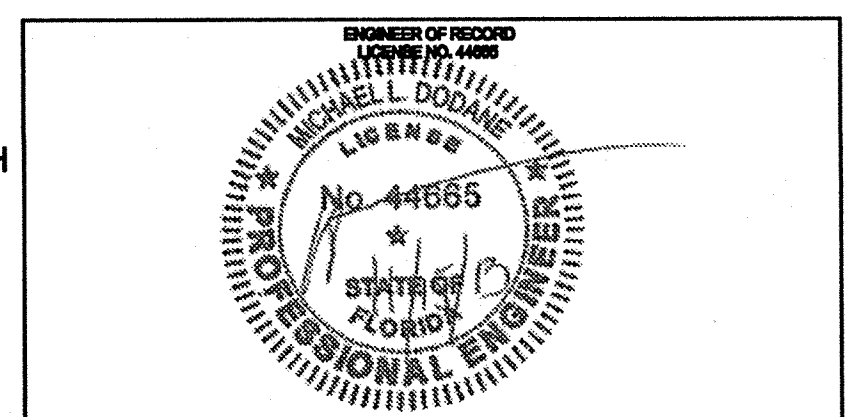
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com AA26002103

**KTD Consulting Engineers** PROJECT # 13036  
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 287 S. WESTMONTA DRIVE  
 PH: 407.834.7000  
 LEESBURG, VA 20176  
 804 S. KING ST., SUITE 007  
 PH: 703.840.0480  
 www.ktdengineers.com

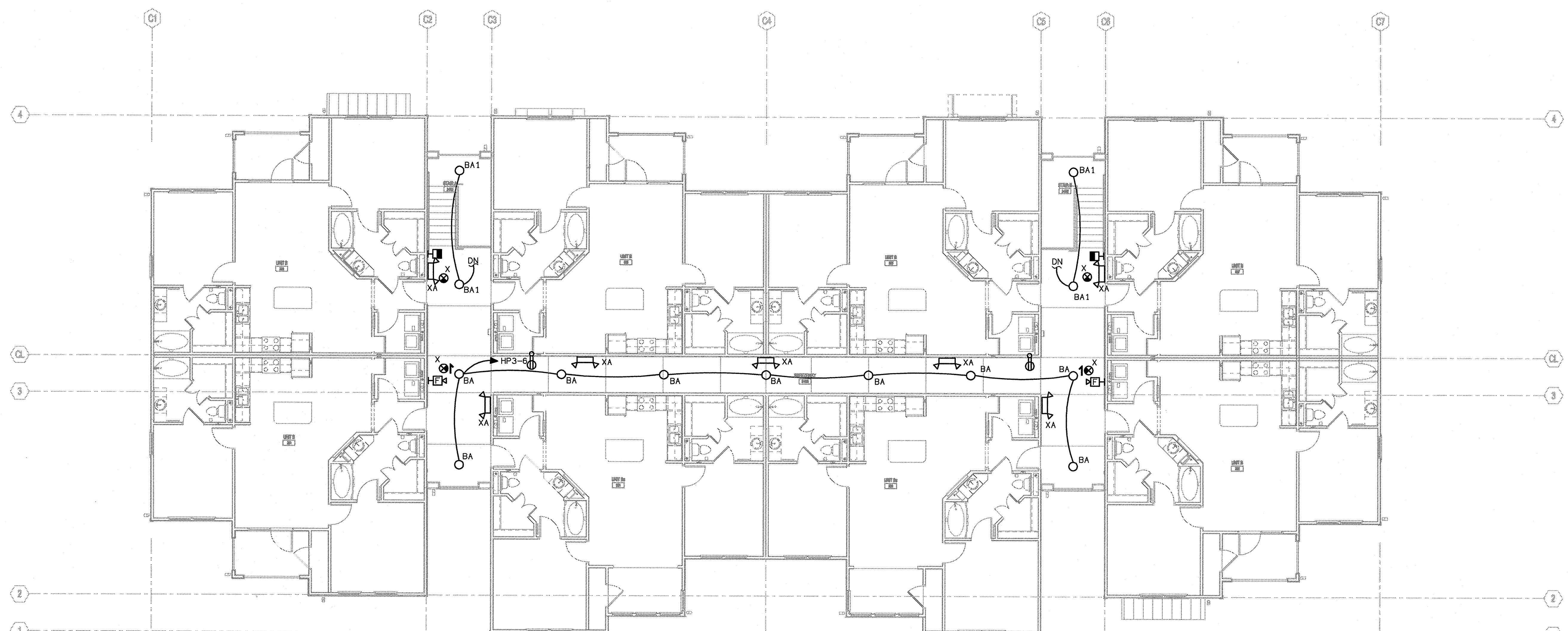
<b>SUMMER BAY APARTMENTS</b>	Drawn: MLD
Lake County, FL	Checked: MLD
	Approved: MLD
	Date: 08-05-2013
	Project: 5100

**BUILDING TYPE 3  
 2ND LEVEL  
 ELECTRICAL PLAN** E2.10

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.



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**HI BUILDING TYPE 3 - THIRD LEVEL - ELECTRICAL PLAN**  
 SCALE: 1/8" = 1'-0"  
 B001-E-BLDG

**ISSUE HISTORY**

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**REVISION HISTORY**

No.	Date	Description

**FUGLEBERG KOCH**  
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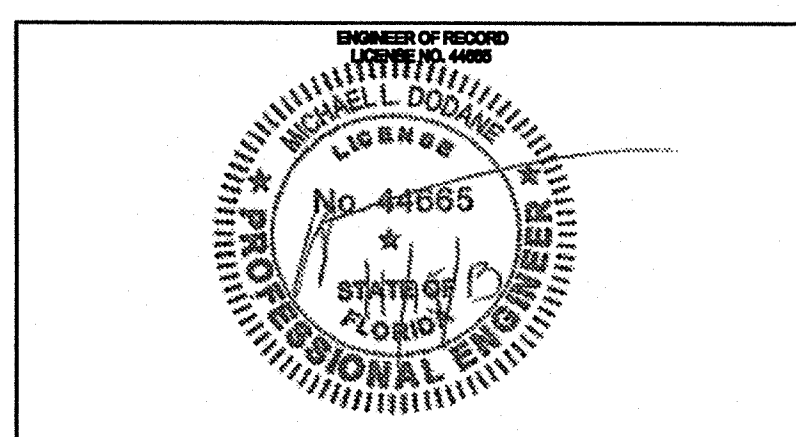
**KTD Consulting Engineers** PROJECT #:  
 ALTAMONTE SPRINGS, FL 32714 13038  
 237 S. WESTMONTE DRIVE  
 PH: 407.634.7800  
 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480 www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
 Lake County, FL  
 Designer: MLD  
 Checker: MLD  
 Approver: MLD  
 Date: 09-05-2013  
 Project #: 5109

**BUILDING TYPE 3  
 3RD LEVEL  
 ELECTRICAL PLAN** E2.11

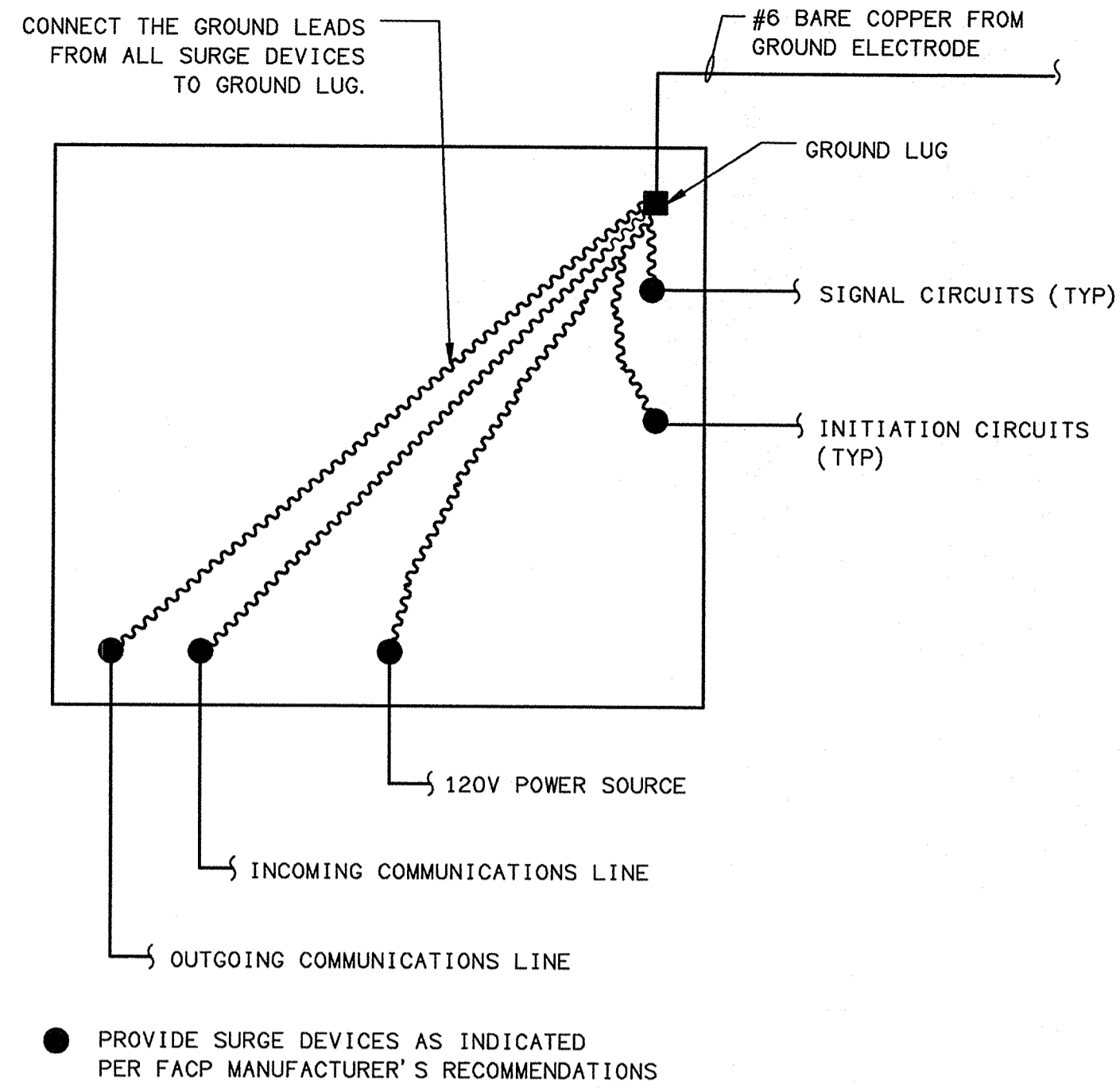
LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 105.4.1. Plans were reviewed for code compliance and shall be kept on job site.

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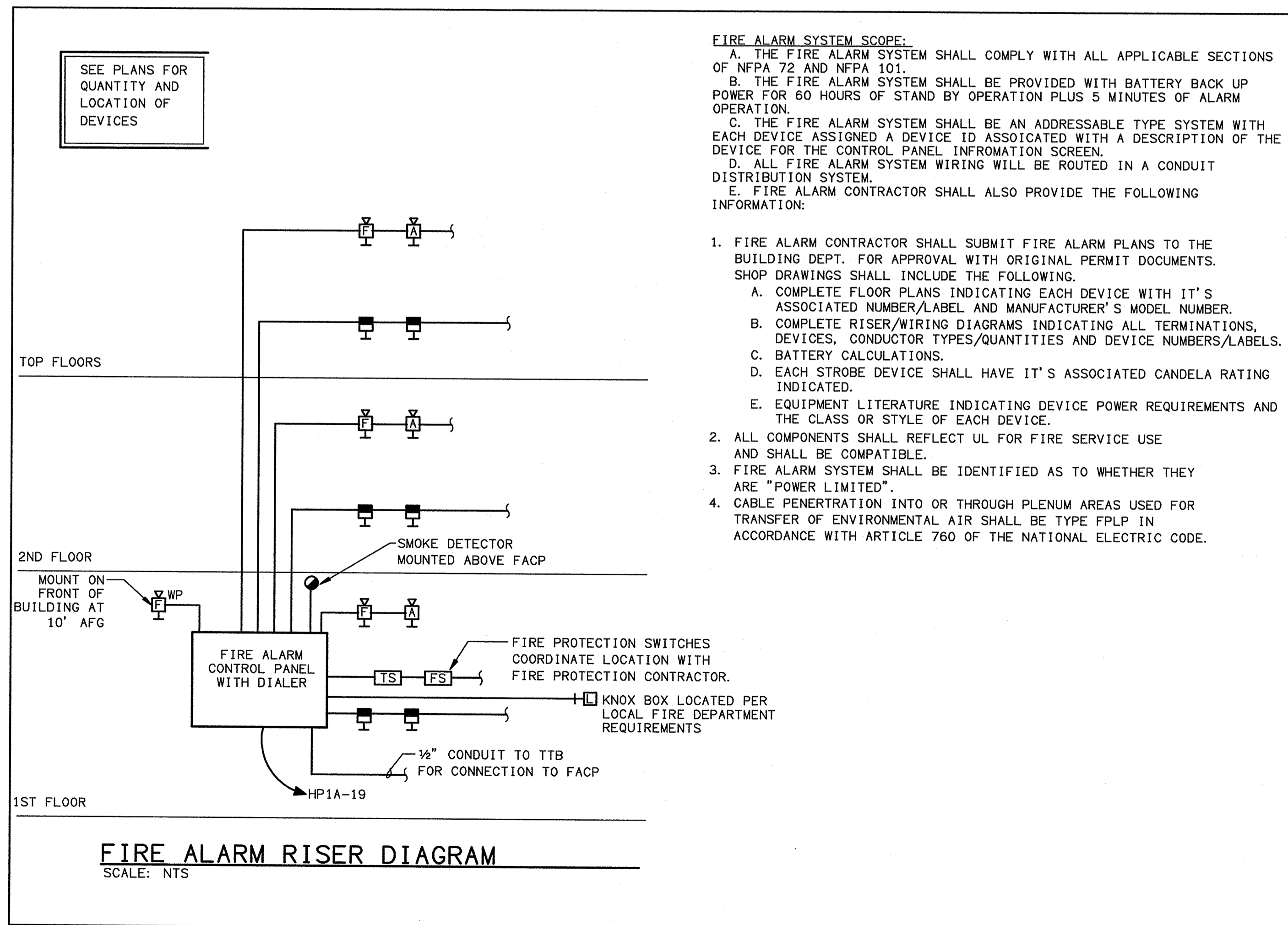


**FACP SURGE PROTECTION DETAILS**  
SCALE: NTS

ELECTRICAL LEGEND	
	FLUORESCENT FIXTURE, CEILING MOUNTED
	LIGHTING FIXTURE, CEILING MOUNTED
	LIGHTING FIXTURE, WALL MOUNTED
	LIGHT TRACK WITH FIXTURES
	CEILING EXIT LIGHT: SHADED QUADRANTS INDICATE LETTERED FACE(S)
	WALL EXIT LIGHT: SHADED QUADRANTS INDICATE LETTERED FACE(S)
	EMERGENCY LIGHT WITH BATTERY PACK AND ADJUSTABLE HEADS
FOR WALL MOUNTED LIGHTING FIXTURES AND EMERGENCY FIXTURES, IF THE FIXTURE PROJECTS MORE THAN 4" FROM THE WALL, MOUNTING HEIGHT MUST PROVIDE A MINIMUM OF 80" VERTICAL CLEARANCE.	
	D DIMMER, MOUNTED @ 48" AFF
	S SINGLE POLE SWITCH, MOUNTED @ 48" AFF.
	SO SINGLE POLE SWITCH W/OCCUPANCY SENSOR, MOUNTED @ 48" AFF
	S3 THREE-WAY SWITCH, MOUNTED @ 48" AFF
	OS CEILING MOUNTED OCCUPANCY SENSOR
	PH PUSHBUTTON, MOUNTED @ 48" AFF
SWITCHING DEVICES - TOP OF SWITCH IN ON POSITION MUST NOT EXCEED 48" AFF.	
	W TELEPHONE OUTLET, MOUNTED @ 18" AFF
	W2 TELEPHONE OUTLET, MOUNTED @ 48" AFF
	DV DATA OUTLET, MOUNTED @ 18" AFF
	WV TELEPHONE/DATA OUTLET, MOUNTED @ 18" AFF
	DUPLX 20A, 125V, 2P, 3W, GROUNDING RECEPTACLE, MOUNTED @ 18" AFF
	DUPLX 20A, 125V, 2P, 3W, SWITCHED RECEPTACLE, MOUNTED @ 18" AFF
	SINGLE 20A, 125V, 2P, 3W, GROUNDING RECEPTACLE, MOUNTED @ 18" AFF
	QUAD 20A, 125V, 2P, 3W, GROUNDING RECEPTACLE, MOUNTED @ 18" AFF
	GROUND FAULT INTERRUPT, 20A DUPLX, MOUNTED @ 18" AFF
	GROUND FAULT INTERRUPT, 20A DUPLX, MOUNTED ABOVE COUNTER
	SINGLE 250V NON-LOCKING TYPE RECEPTACLE
ELECTRICAL OUTLETS - ON STANDARD DUPLX OUTLETS, MOUNT 15" AFF TO CENTERLINE OF BOTTOM OUTLET. FOR ABOVE COUNTERTOP DUPLX OUTLETS, MOUNT 16" AFF TO CENTERLINE OF TOP OUTLET. ELECTRICAL OUTLETS OR BOXES LOCATED ON OPPOSITE SIDES OF RATED WALLS OR PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES.	
	TVH TELEVISION/DATA OUTLET, MOUNTED @ 18" AFF
	DISCONNECT SWITCH. SIZE/POLES/FUSE
	JUNCTION BOX, CEILING MOUNTED
	JUNCTION BOX, WALL MOUNTED
	FLOOR BOX FOR PHONE, ELECTRICAL DEVICES, ETC.
	PADDLE FAN
	EXHAUST FAN CONNECTION, CEILING MOUNTED (FAN BY DIV. 15)
	EXHAUST FAN CONNECTION, WALL MOUNTED (FAN BY DIV. 15)
	TYPICAL TENANT PANEL, MOUNTED @ 60" AFF
	FACP FIRE ALARM CONTROL PANEL
	FAAP FIRE ALARM ANNUNCIATOR PANEL
	SMOKE DETECTOR, CEILING MOUNTED
	SMOKE DETECTOR, WALL MOUNTED
	CEILING MOUNTED CARBON MONOXIDE SENSOR.
	COMBINATION CARBON MONOXIDE SENSOR/SMOKE DETECTOR, CEILING MOUNTED.
	THERMODETECTOR, CEILING MOUNTED.
	DUCT SMOKE DETECTOR, INTERCONNECT WITH FIRE ALARM.
	MANUAL PULL STATION, WALL MOUNTED, NOT TO EXCEED 48" AFF.
	FS FLOW SWITCH
	TS TAMPER SWITCH
	PS DRY PIPE SYSTEM PRESSURE SWITCH
	FAVH FIRE ALARM COMBINATION AUDIBLE/VISUAL DEVICE, WALL MOUNTED @ 80" AFF
	FVH FIRE ALARM VISUAL DEVICE, WALL MOUNTED @ 80" AFF
	FAH FIRE ALARM AUDIBLE DEVICE, WALL MOUNTED @ 80" AFF
	FVH FIRE ALARM VISUAL DEVICE, WALL MOUNTED @ 80" AFF
	FVH PREWIRED J-BOX WITH BLANK COVERPLATE FOR VISUAL DEVICE ON FIRST FLOOR.
	FDLB FIRE DEPARTMENT LOCK BOX, MOUNTING HEIGHT PER FIRE DEPARTMENT
	MPH MANUAL PULL STATION, WALL MOUNTED. TOP OF FIRE ALARM PULL STATION NOT TO EXCEED 48" AFF.

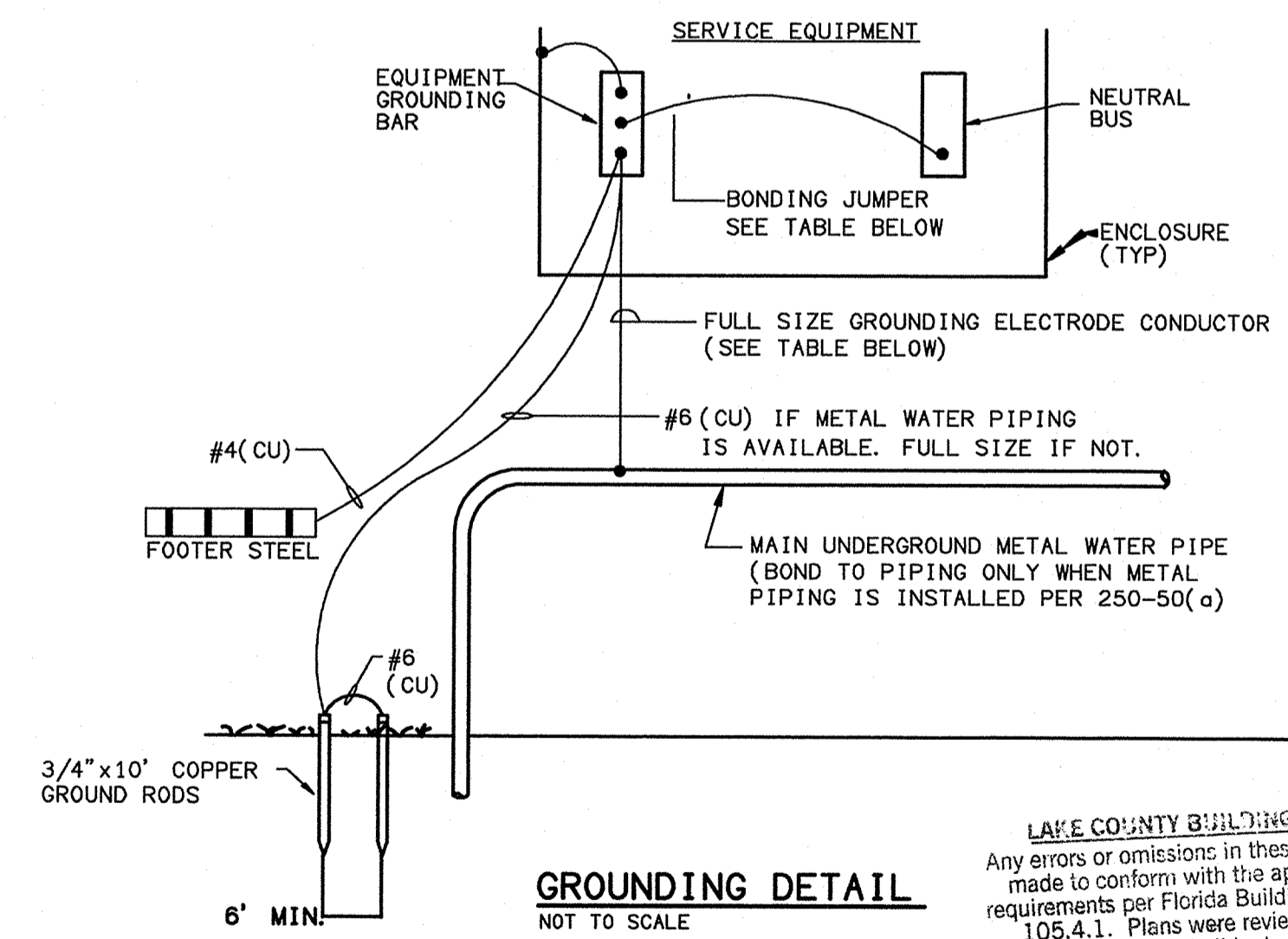
**ABBREVIATIONS**

A	AMP	KW	THOUSAND WATTS
AF	AMP FUSE	LO	LUGS ONLY
AFF	ABOVE FINISHED FLOOR	LCB	MAIN CIRCUIT BREAKER
AIC	AMPERE INTERRUPTING CAPACITY	MLO	MAIN LUGS ONLY
C	CONDUIT	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NTS	NOT TO SCALE
CR	CEILING RECESSED MOUNTED	P	POLE
CS	CEILING SURFACE MOUNTED	PD	PENDANT MOUNTED
CT	DEVICE MOUNTED ABOVE COUNTERTOP, OR CURRENT TRANSFORMER	PF	POWER FACTOR
DF	DEMAND FACTOR	PH	PHASE
DS	DISCONNECT SWITCH	PNL	PANELBOARD
DN	DOWN	Q	QUADRAPLEX
FDS	FUSED DISCONNECT SWITCH	RM	ROOM
G	GRADE MOUNTED	SER	SERVICE ENTRANCE RATED
GF1	GROUND FAULT INTERRUPTER	U	UNIVERSAL MOUNTING
GND	GROUND	W	DEVICE MOUNTED AT 48"
JB	JUNCTION BOX	WP	WEATHERPROOF COVERPLATE
KVA	THOUSAND VOLT AMPS	WR	WALL RECESSED
		WS	WALL SURFACE MOUNTED



**FIRE ALARM RISER DIAGRAM**  
SCALE: NTS

- FIRE ALARM SYSTEM SCOPE:**
- THE FIRE ALARM SYSTEM SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF NFPA 72 AND NFPA 101.
  - THE FIRE ALARM SYSTEM SHALL BE PROVIDED WITH BATTERY BACK UP POWER FOR 60 HOURS OF STAND BY OPERATION PLUS 5 MINUTES OF ALARM OPERATION.
  - THE FIRE ALARM SYSTEM SHALL BE AN ADDRESSABLE TYPE SYSTEM WITH EACH DEVICE ASSIGNED A DEVICE ID ASSOCIATED WITH A DESCRIPTION OF THE DEVICE FOR THE CONTROL PANEL INFORMATION SCREEN.
  - ALL FIRE ALARM SYSTEM WIRING WILL BE ROUTED IN A CONDUIT DISTRIBUTION SYSTEM.
  - FIRE ALARM CONTRACTOR SHALL ALSO PROVIDE THE FOLLOWING INFORMATION:
    - FIRE ALARM CONTRACTOR SHALL SUBMIT FIRE ALARM PLANS TO THE BUILDING DEPT. FOR APPROVAL WITH ORIGINAL PERMIT DOCUMENTS. SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING:
      - COMPLETE FLOOR PLANS INDICATING EACH DEVICE WITH IT'S ASSOCIATED NUMBER/LABEL AND MANUFACTURER'S MODEL NUMBER.
      - COMPLETE RISER/WIRING DIAGRAMS INDICATING ALL TERMINATIONS, DEVICES, CONDUCTOR TYPES/QUANTITIES AND DEVICE NUMBERS/LABELS.
      - BATTERY CALCULATIONS.
      - EACH STROBE DEVICE SHALL HAVE IT'S ASSOCIATED CANDELA RATING INDICATED.
    - EQUIPMENT LITERATURE INDICATING DEVICE POWER REQUIREMENTS AND THE CLASS OR STYLE OF EACH DEVICE.
- ALL COMPONENTS SHALL REFLECT UL FOR FIRE SERVICE USE AND SHALL BE COMPATIBLE.
  - FIRE ALARM SYSTEM SHALL BE IDENTIFIED AS TO WHETHER THEY ARE "POWER LIMITED".
  - CABLE PENETRATION INTO OR THROUGH PLENUM AREAS USED FOR TRANSFER OF ENVIRONMENTAL AIR SHALL BE TYPE FPLP IN ACCORDANCE WITH ARTICLE 760 OF THE NATIONAL ELECTRIC CODE.



**GROUNDING DETAIL**  
NOT TO SCALE

SERVICE SIZE	GROUNDING ELECTRODE CONDUCTOR		BONDING JUMPER	
	COPPER	ALUM	COPPER	ALUM
100	#8	-	#8	-
150	#6	#4	#6	#4
200	#4	#2	#4	#2
300	#2	#1/0	#2	#1/0
400	#1/0	#3/0	#1/0	#3/0
500	#1/0	#3/0	#1/0	#3/0
600	#2/0	#4/0	#2/0	#4/0
700	#2/0	#4/0	#2/0	#4/0
800	#2/0	#4/0	#2/0	#4/0
1000	#3/0	250MCM	#3/0	250MCM
1200	#3/0	250MCM	#4/0	250MCM
1600	#3/0	250MCM	300MCM	400MCM

**ISSUE HISTORY**

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**REVISION HISTORY**

No.	Date	Description



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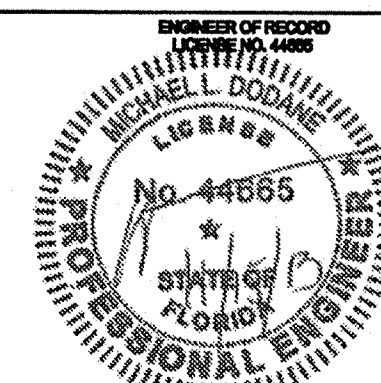
**KTD Consulting Engineers** PROJECT # 19036  
ALTAMONTE SPRINGS, FL 32714  
237 S. WESTMONT DRIVE  
PH: 407.834.7900  
LEESBURG, VA 20176  
804 S. KING ST, SUITE 007  
PH: 703.840.0480  
www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
Lake County, FL

**ELECTRICAL SCHEDULES AND DETAILS**

Drawn: MLD  
Checked: MLD  
Approved: MLD  
Date: 09-05-2013  
Project #: 5100

E6.01



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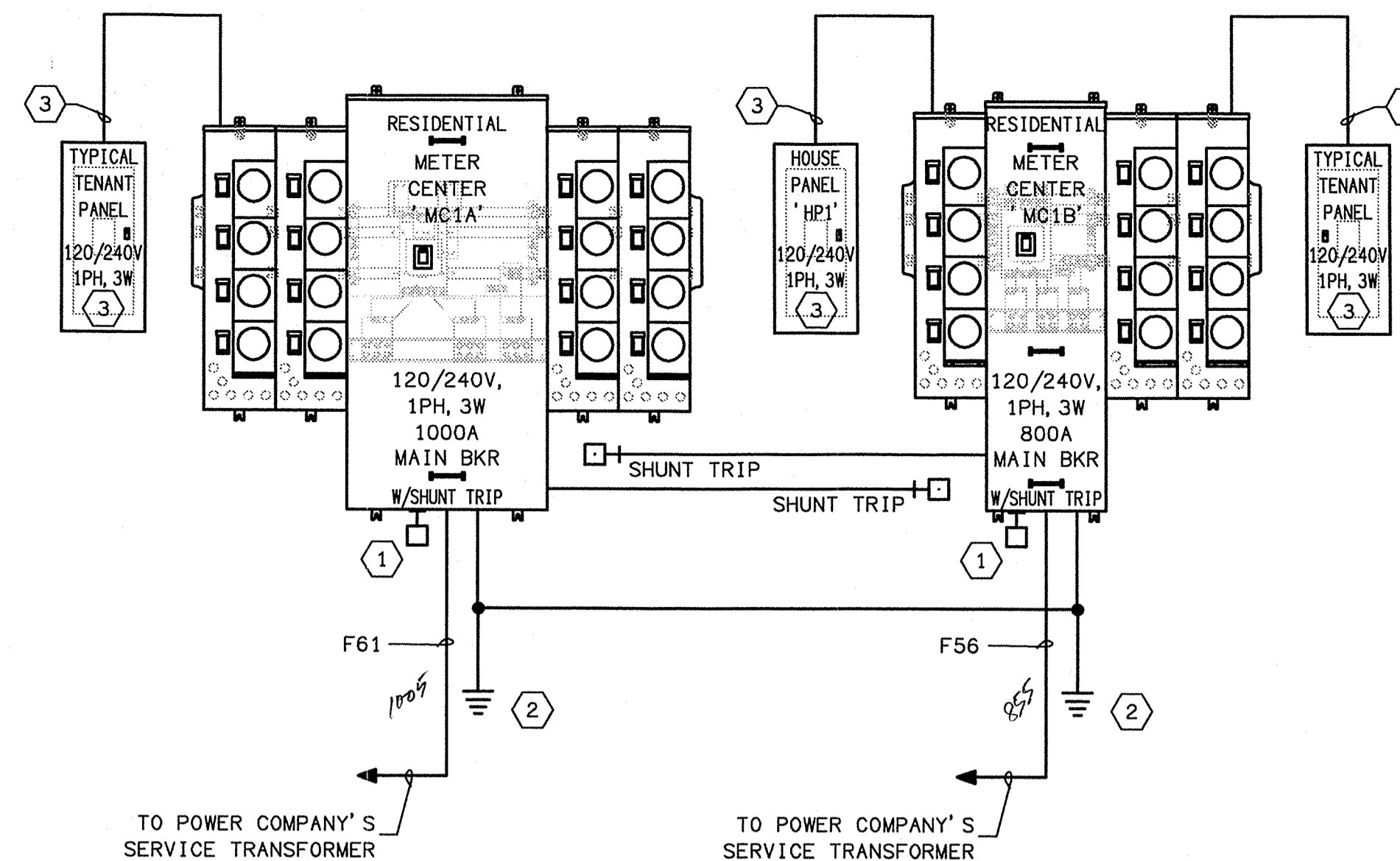
### EQUIPMENT RATINGS

- A. ALL METER CENTER COMPONENTS SHALL BE RATED AT 42KAIC.
- B. SERIES RATINGS MAY BE APPLIED FOR LOWER RATINGS OF TENANT FEEDER BREAKERS. CONTRACTOR TO PROVIDE SHOP DRAWINGS.
- C. TENANT LOAD CENTERS TO BE RATED AT 10KAIC.
- D. HOUSE PANELS SHALL BE RATED AT 22KAIC.
- E. ALL WIRE TO HAVE THWN/THHN INSULATION.
- F. TERMINATIONS ON ALL ELECTRICAL EQUIPMENT SHALL BE RATED FOR 75° WIRE.

### BUILDING LIGHTING FIXTURE SCHEDULE

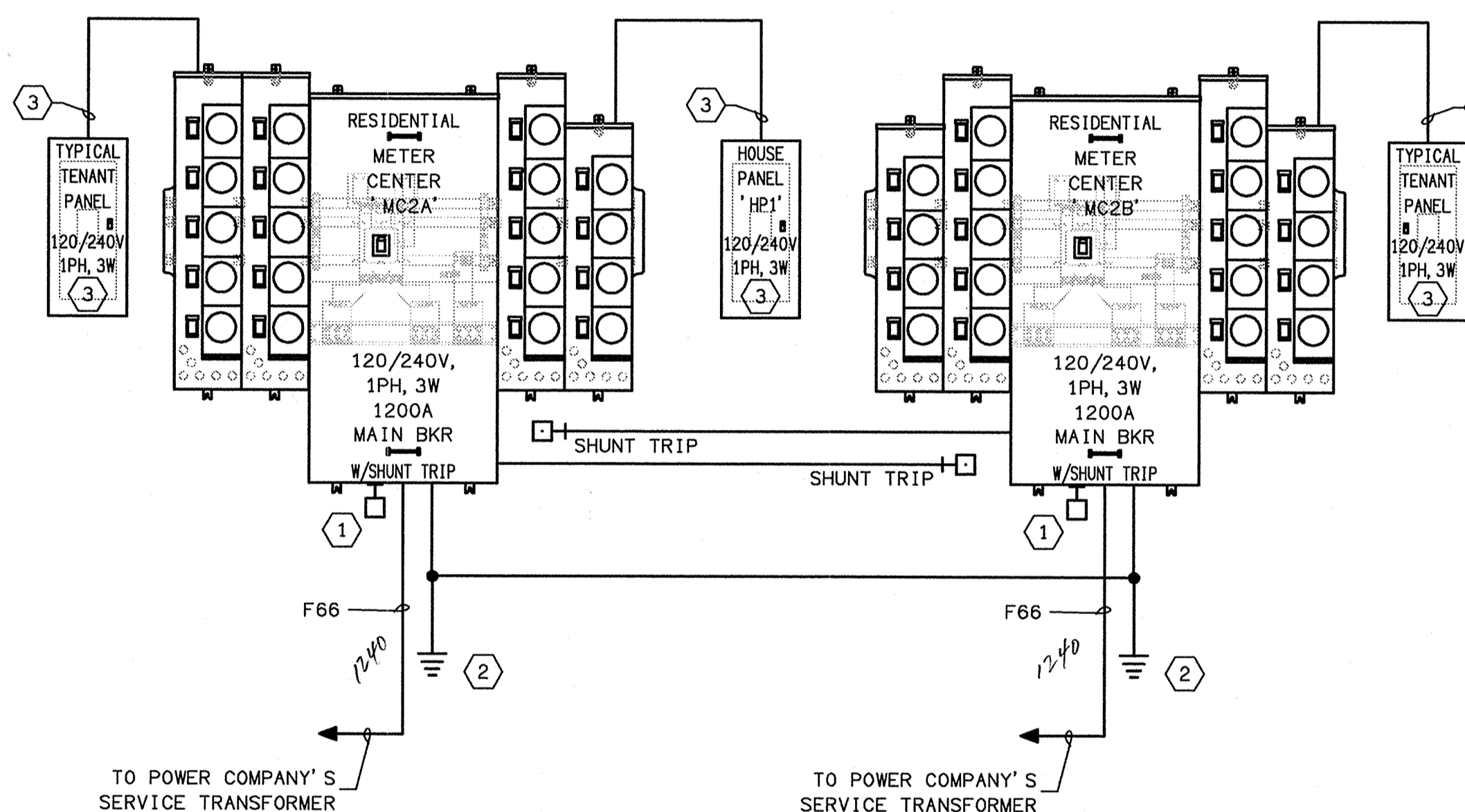
MARK	MFG. & CAT. #	DESCRIPTION	LAMPS		MTD	VOLTS	REMARKS
			NO.	TYPE			
BA	INCON 19415-213GU	CEILING FIXTURE	2	13W GU24	CS	120	-
BA1	INCON 19415-226GU	CEILING FIXTURE	2	26W GU24	CS	120	-
BB	SELECTED BY OWNER	EXTERIOR WALL SCENCE	1	42W CFL	WS	120	-
BC	LURALINE AS6152 WAC-26QE WH	CORRIDOR WALL SCENCE	1	26W DTT	WS	120	-
BD	BROWNLEE LIGHTING 2035-12-WH-26Q	CEILING UTILITY	1	26W QUAD	CS	120	-
BE	DECO D443-42C-FT-EB-EMB	WALL PACK W/ EMERGENCY BACKUP	1	42W CFL	WS	120	NOTE 1 MOUNT 80" MINIMUM
BF	LITHONIA SB232	WRAPAROUND FLUORESCENT	2	32W T8	CS	120	-
BG	-	-	-	-	CS	120	-
X	ROYAL PACIFIC RXL5	DAMP LOCATION THERMOPLASTIC EXIT SIGN	2	0.75W LED	U	120	RED LETTERS, WHITE HOUSING, BATTERY PACK, DAMP LOCATION (NOTE 1&2)
XA	LITHONIA # ELM627-H1206	INTERIOR TWO HEAD HIGH OUTPUT EMERGENCY LIGHT	2	12W 81-PIN HALOGEN	WS	120	BATTERY PACK, WHITE HOUSING, HIGH OUTPUT LAMPS (NOTE 1)
XC	EMERGILITE # 12KSE36-2-(HD)	WET LOCATION TWO HEAD EMERGENCY LIGHT	2	12W 81-PIN HALOGEN	WS	120	BATTERY PACK, WHITE HOUSING, HIGH OUTPUT LAMPS (NOTE 1)

NOTES: (1) ALL EXIT SIGNS, EMERGENCY LIGHTS AND FLUORESCENT FIXTURES WITH EMERGENCY BALLASTS SHALL BE CONNECTED TO THE UNSWITCHED SIDE OF THE CIRCUIT POWERING NORMAL FIXTURES IN THE SAME ROOM OR AREA.  
 (2) ALL EXIT SIGNS SHALL BE LISTED IN ACCORDANCE WITH ANSI/UL 924



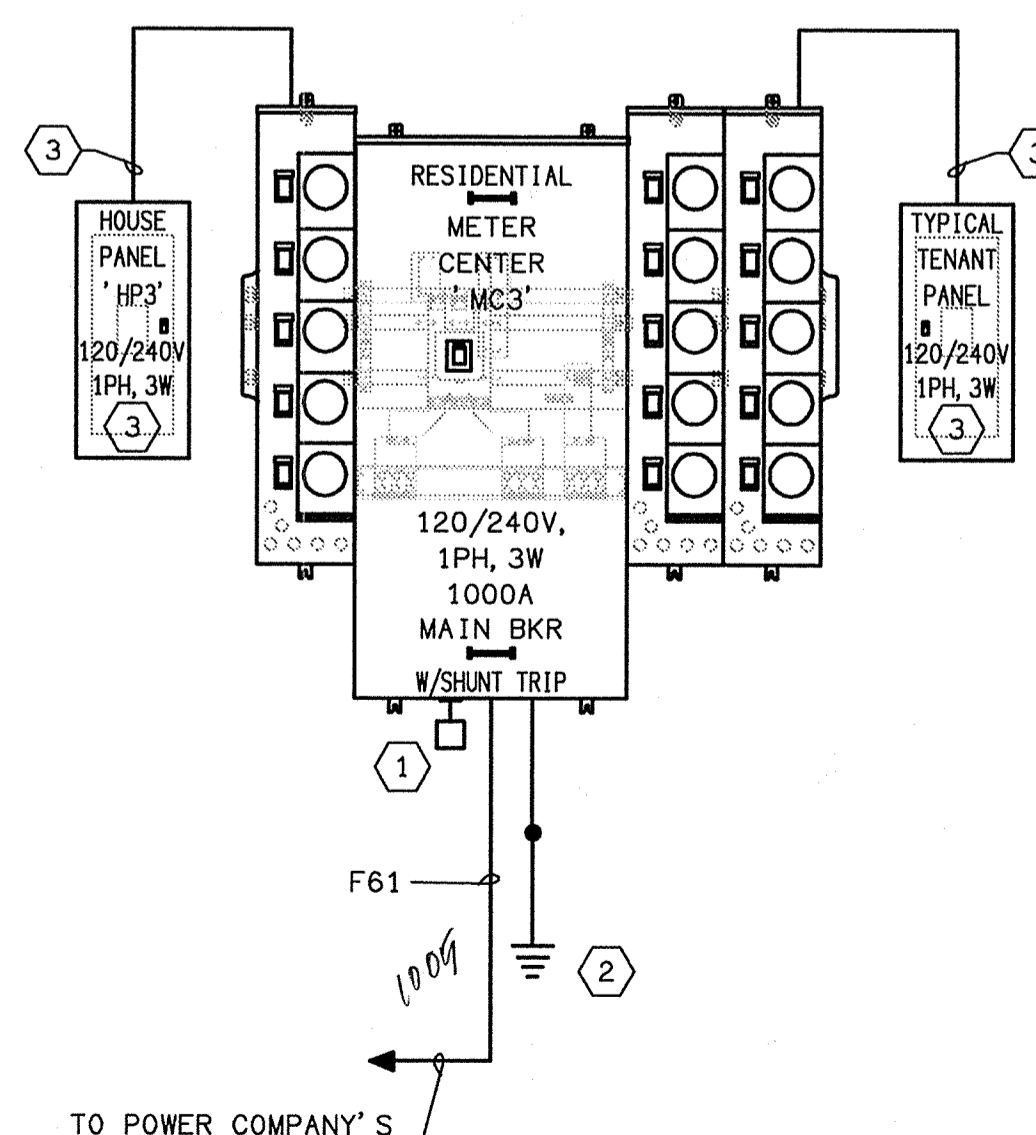
METER CENTER 'MC1A' METER CENTER 'MC1B'

### BUILDING TYPE 1



METER CENTER 'MC2A' METER CENTER 'MC2B'

### BUILDING TYPE 2



METER CENTER 'MC3'

### BUILDING TYPE 3

### ELECTRICAL SHEET NOTES

- ① LIGHTNING ARRESTER. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- ② PROVIDE GROUNDING ELECTRODE AND CONDUCTOR PER GROUNDING DETAIL ON SHEET E6.01.
- ③ PROVIDE METER SOCKETS AND BRANCH BREAKERS FOR TENANT PANELS AS FOLLOWS:

PANEL	METER SOCKET	BREAKER	FEEDER
A	125A, 240V, 1PH, 3W	110A/2P	#1 AL SER
A2	125A, 240V, 1PH, 3W	110A/2P	#1 AL SER
B	125A, 240V, 1PH, 3W	110A/2P	#1 AL SER
C	125A, 240V, 1PH, 3W	110A/2P	#1 AL SER
HP	125A, 240V, 1PH, 3W	100A/2P	FB

#### METER CENTER 'MC1A'

5 X A	: 5 X 36.0 KW =	180.0 KW
5 X A2	: 5 X 35.0 KW =	175.0 KW
6 X B	: 6 X 37.0 KW =	222.0 KW
- X C	: 0 X 38.0 KW =	0.0 KW
- X -	: 0 X 0.0 KW =	0.0 KW
16 TOTAL UNITS	577.0 KW X 0.39 =	225.0 KW
	HOUSE LOAD =	0.00 KW
	TOTAL =	225.0 KW
	AMPS @ 240V, 1PH =	938 A

#### METER CENTER 'MC1B'

5 X A	: 5 X 36.0 KW =	180.0 KW
- X A2	: 0 X 35.0 KW =	0.0 KW
6 X B	: 6 X 37.0 KW =	222.0 KW
- X C	: 0 X 38.0 KW =	0.0 KW
- X -	: 0 X 0.0 KW =	0.0 KW
11 TOTAL UNITS	402.0 KW X 0.42 =	168.8 KW
	HOUSE LOAD =	12.80 KW
	TOTAL =	181.6 KW
	AMPS @ 240V, 1PH =	757 A

#### METER CENTER 'MC2A'

2 X A	: 2 X 36.0 KW =	72.0 KW
- X A2	: 0 X 35.0 KW =	0.0 KW
8 X B	: 8 X 37.0 KW =	296.0 KW
8 X C	: 8 X 38.0 KW =	304.0 KW
- X -	: 0 X 0.0 KW =	0.0 KW
18 TOTAL UNITS	672.0 KW X 0.38 =	255.4 KW
	HOUSE LOAD =	12.80 KW
	TOTAL =	268.2 KW
	AMPS @ 240V, 1PH =	1117 A

#### METER CENTER 'MC2B'

2 X A	: 2 X 36.0 KW =	72.0 KW
- X A2	: 0 X 35.0 KW =	0.0 KW
8 X B	: 8 X 37.0 KW =	296.0 KW
8 X C	: 8 X 38.0 KW =	304.0 KW
- X -	: 0 X 0.0 KW =	0.0 KW
18 TOTAL UNITS	672.0 KW X 0.38 =	255.4 KW
	HOUSE LOAD =	0.00 KW
	TOTAL =	255.4 KW
	AMPS @ 240V, 1PH =	1064 A

#### METER CENTER 'MC3'

- X A	: 0 X 36.0 KW =	0.0 KW
- X A2	: 0 X 35.0 KW =	0.0 KW
14 X B	: 14 X 37.0 KW =	518.0 KW
- X C	: 0 X 38.0 KW =	0.0 KW
- X -	: 0 X 0.0 KW =	0.0 KW
14 TOTAL UNITS	518.0 KW X 0.40 =	207.2 KW
	HOUSE LOAD =	12.80 KW
	TOTAL =	220.0 KW
	AMPS @ 240V, 1PH =	917 A

### FEEDER SCHEDULE

MARK	SETS	COPPER				ALUMINUM				
		PHASE	NEUTRAL	GROUND	CONDUIT	SETS	PHASE	NEUTRAL	GROUND	CONDUIT
F8	1	2#3	1#3	1#8	1-1/4"	1	2#1	1#1	1#6	1-1/2"
F56	3	2-300MCM	1-250MCM	NONE	2-1/2"	3	2-400MCM	1-350MCM	NONE	3"
F61	3	2-400MCM	1-350MCM	NONE	3"	4	2-350MCM	1-300MCM	NONE	2-1/2"
F66	4	2-350MCM	1-300MCM	NONE	2-1/2"	4	2-500MCM	1-400MCM	NONE	3"

NOTES: (1) ALUMINUM CONDUCTORS MAY BE USED AS SHOWN, WHERE PERMITTED BY THE LOCAL AUTHORITIES.  
 (2) ALL CONDUCTORS SHALL BE RATED FOR USE WITH 75° CELSIUS TERMINATIONS.

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code section 106.4.1. Plans were reviewed for code compliance and shall be kept on job site.

RECEIVED DEC 04 2013

### ISSUE HISTORY

No.	Date	Description
1	11/15/2013	ISSUE FOR PERMIT

### REVISION HISTORY

No.	Date	Description

**FUGLEBERG KOCH**  
 PLLC  
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
 www.fuglebergkoch.com A426002103

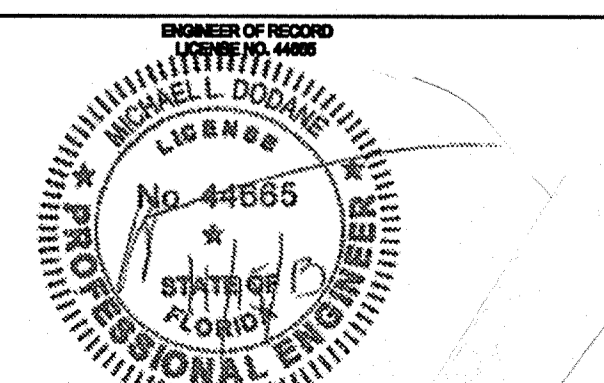
**KTD Consulting Engineers** PROJECT # 13038  
 ALTAMONTE SPRINGS, FL 32714  
 237 S. WESTMONTE DRIVE  
 PH: 407.834.7800  
 LEESBURG, VA 20176  
 804 S. KING ST, SUITE 007  
 PH: 703.840.0480 www.ktdengineers.com

**SUMMER BAY APARTMENTS**  
 Lake County, FL

**ELECTRICAL SCHEDULES AND DETAILS**

Drawn: MLD  
 Checked: MLD  
 Appointed: MLD  
 Date: 08-05-2013  
 Project: 518

E6.02



PANELBOARD SCHEDULE "HP1"													
125 A. MAIN L. O. 240/120 VOLTS													
SURFACE MOUNTING NEMA 3R 1 PHASE 3 WIRE, 60 HZ.													
22 K A. I. C. MINIMUM INTERRUPTING RATING													
LOAD KVA	SERVES	TRIP AMPS	POLES	WIRE	GND	SPACE NO.	GND WIRE	POLES	TRIP AMPS	SERVES	LOAD KVA		
1.0	LIGHTING (1)	20	1	12	12	1	2	12	12	1	20	BREEZEWAY LTG	1.0
1.0	LIGHTING (1)	20	1	12	12	3	4	12	12	1	20	BREEZEWAY LTG	1.0
0.3	FACP (2)	20	1	12	12	5	6	12	12	1	20	BREEZEWAY LTG	1.0
0.4	TTB	20	1	12	12	7	8	12	12	1	20	GARAGES	0.60
0.8	RECEPTACLES	20	1	12	12	9	10	12	12	1	20	GARAGES	0.60
0.8	RECEPTACLES	20	1	12	12	11	12	12	12	1	20	GARAGES	0.60
1.0	SITE LIGHTING (1)	20	1	12	12	13	14	12	12	1	20	EXT RECEPTS	0.40
1.0	SITE LIGHTING (1)	20	1	12	12	15	16	12	12	1	20	EXT RECEPTS	0.40
1.00	PTAC-1	20	1	12	12	17	18	-	-	-	-	-	-
0.75	WH-1	20	1	12	12	19	20	-	-	-	-	-	-
-	-	-	-	-	-	21	22	-	-	-	-	-	-
-	-	-	-	-	-	23	24	-	-	-	-	-	-
-	-	-	-	-	-	25	26	-	-	-	-	-	-
-	-	-	-	-	-	27	28	-	-	-	-	-	-
-	-	-	-	-	-	29	30	-	-	-	-	-	-
-	-	-	-	-	-	31	32	-	-	-	-	-	-
-	-	-	-	-	-	33	34	-	-	-	-	-	-
-	-	-	-	-	-	35	36	-	-	-	-	-	-
-	-	-	-	-	-	37	38	-	-	-	-	-	-
-	-	-	-	-	-	39	40	-	-	-	-	-	-
-	-	-	-	-	-	41	42	-	-	-	-	-	-
LOAD DESCRIPTION		CONN. LOAD	D. F.	CALC. LOAD		NOTES:							
LIGHTING - KVA		8.80	1.25	11.00		(1) TIMECLOCK/PHOTOCELL CONTROLLED							
RECEPTACLES - 1ST 10 KVA		1.60	1.00	1.60		(2) PROVIDE LOCK-ON DEVICE							
RECEPTACLES - ABOVE 10 KVA		0.00	0.50	0.00									
MOTORS - KVA		0.00	1.00	0.00									
EQUIPMENT - KVA		2.45	1.00	2.45									
OTHER - KVA		0.00	1.00	0.00									
TOTAL - KVA		12.85		15.05									

PANELBOARD SCHEDULE "HP2"													
125 A. MAIN L. O. 240/120 VOLTS													
SURFACE MOUNTING NEMA 3R 1 PHASE 3 WIRE, 60 HZ.													
22 K A. I. C. MINIMUM INTERRUPTING RATING													
LOAD KVA	SERVES	TRIP AMPS	POLES	WIRE	GND	SPACE NO.	GND WIRE	POLES	TRIP AMPS	SERVES	LOAD KVA		
1.0	LIGHTING (1)	20	1	12	12	1	2	12	12	1	20	BREEZEWAY LTG	1.0
1.0	LIGHTING (1)	20	1	12	12	3	4	12	12	1	20	BREEZEWAY LTG	1.0
0.3	FACP (2)	20	1	12	12	5	6	12	12	1	20	BREEZEWAY LTG	1.0
0.4	TTB	20	1	12	12	7	8	12	12	1	20	GARAGES	0.60
0.8	RECEPTACLES	20	1	12	12	9	10	12	12	1	20	GARAGES	0.60
0.8	RECEPTACLES	20	1	12	12	11	12	12	12	1	20	GARAGES	0.60
1.0	SITE LIGHTING (1)	20	1	12	12	13	14	12	12	1	20	MAIL KIOSK BLDG #2	0.80
1.0	SITE LIGHTING (1)	20	1	12	12	15	16	12	12	1	20	EXT RECEPTS	0.40
1.00	PTAC-1	20	1	12	12	17	18	12	12	1	20	EXT RECEPTS	0.40
0.75	WH-1	20	1	12	12	19	20	-	-	-	-	-	-
-	-	-	-	-	-	21	22	-	-	-	-	-	-
-	-	-	-	-	-	23	24	-	-	-	-	-	-
-	-	-	-	-	-	25	26	-	-	-	-	-	-
-	-	-	-	-	-	27	28	-	-	-	-	-	-
-	-	-	-	-	-	29	30	-	-	-	-	-	-
-	-	-	-	-	-	31	32	-	-	-	-	-	-
-	-	-	-	-	-	33	34	-	-	-	-	-	-
-	-	-	-	-	-	35	36	-	-	-	-	-	-
-	-	-	-	-	-	37	38	-	-	-	-	-	-
-	-	-	-	-	-	39	40	-	-	-	-	-	-
-	-	-	-	-	-	41	42	-	-	-	-	-	-
LOAD DESCRIPTION		CONN. LOAD	D. F.	CALC. LOAD		NOTES:							
LIGHTING - KVA		8.80	1.25	11.00		(1) TIMECLOCK/PHOTOCELL CONTROLLED							
RECEPTACLES - 1ST 10 KVA		1.60	1.00	1.60		(2) PROVIDE LOCK-ON DEVICE							
RECEPTACLES - ABOVE 10 KVA		0.00	0.50	0.00									
MOTORS - KVA		0.00	1.00	0.00									
EQUIPMENT - KVA		2.45	1.00	2.45									
OTHER - KVA		0.00	1.00	0.00									
TOTAL - KVA		12.85		15.05									

PANELBOARD SCHEDULE "HP3"													
125 A. MAIN L. O. 240/120 VOLTS													
SURFACE MOUNTING NEMA 3R 1 PHASE 3 WIRE, 60 HZ.													
22 K A. I. C. MINIMUM INTERRUPTING RATING													
LOAD KVA	SERVES	TRIP AMPS	POLES	WIRE	GND	SPACE NO.	GND WIRE	POLES	TRIP AMPS	SERVES	LOAD KVA		
1.0	LIGHTING (1)	20	1	12	12	1	2	12	12	1	20	BREEZEWAY LTG	1.0
1.0	LIGHTING (1)	20	1	12	12	3	4	12	12	1	20	BREEZEWAY LTG	1.0
0.3	FACP (2)	20	1	12	12	5	6	12	12	1	20	BREEZEWAY LTG	1.0
0.4	TTB	20	1	12	12	7	8	12	12	1	20	GARAGES	0.60
0.8	RECEPTACLES	20	1	12	12	9	10	12	12	1	20	GARAGES	0.60
0.8	RECEPTACLES	20	1	12	12	11	12	12	12	1	20	GARAGES	0.60
1.0	SITE LIGHTING (1)	20	1	12	12	13	14	-	-	-	-	-	-
1.0	SITE LIGHTING (1)	20	1	12	12	15	16	12	12	1	20	EXT RECEPTS	0.40
1.00	PTAC-1	20	1	12	12	17	18	12	12	1	20	EXT RECEPTS	0.40
0.75	WH-1	20	1	12	12	19	20	-	-	-	-	-	-
-	-	-	-	-	-	21	22	-	-	-	-	-	-
-	-	-	-	-	-	23	24	-	-	-	-	-	-
-	-	-	-	-	-	25	26	-	-	-	-	-	-
-	-	-	-	-	-	27	28	-	-	-	-	-	-
-	-	-	-	-	-	29	30	-	-	-	-	-	-
-	-	-	-	-	-	31	32	-	-	-	-	-	-
-	-	-	-	-	-	33	34	-	-	-	-	-	-
-	-	-	-	-	-	35	36	-	-	-	-	-	-
-	-	-	-	-	-	37	38	-	-	-	-	-	-
-	-	-	-	-	-	39	40	-	-	-	-	-	-
-	-	-	-	-	-	41	42	-	-	-	-	-	-
LOAD DESCRIPTION		CONN. LOAD	D. F.	CALC. LOAD		NOTES:							
LIGHTING - KVA		8.80	1.25	11.00		(1) TIMECLOCK/PHOTOCELL CONTROLLED							
RECEPTACLES - 1ST 10 KVA		1.60	1.00	1.60		(2) PROVIDE LOCK-ON DEVICE							
RECEPTACLES - ABOVE 10 KVA		0.00	0.50	0.00									
MOTORS - KVA		0.00	1.00	0.00									
EQUIPMENT - KVA		2.45	1.00	2.45									
OTHER - KVA		0.00	1.00	0.00									
TOTAL - KVA		12.85		15.05									

PANEL A					
240/120 V, 1 PH., 3 W, 10KAIC					
125 A, M. L. O.					
CIRCUIT NUMBER	BREAKER SIZE	WIRE SIZE	DESCRIPTION	LOAD	
1-2	20A/1P	#12	APPLIANCE CIRCUIT	3000	
3	20A/1P	#12	BATHROOM CIRCUIT		
4	20A/1P	#12	LAUNDRY CIRCUIT	1500	
5,7	30A/2P	#10	DRYER	5000	
6,8	50A/2P	#8	RANGE	8800	
9	20A/1P	#12	DISHWASHER (NOTE 2)	1200	
10,12	30A/2P	#10	WATER HEATER	4500	
11	20A/1P	#12	DISPOSAL (NOTE 2)	300	
14-16	15A/1P**	#14	GENERAL LIGHTING	2655	
			885 SQ. FT. X 3		
13	15A/1P	#14	MICROWAVE	1000	
-	-/-	-	-	0	
-	-/-	-	-	0	
TOTAL				27955	
10KW @ 100%				10000	
REMAINDER @ 40%				7182	
LARGER OF HEAT OR A/C				6865.	
18,20	CU (NOTE 1)		6865 A/C @ 100%		
17,19	AHU (NOTE 1)		- HEAT @ 65%		
TOTAL CALCULATED				24047	
**ARC FAULT BREAKERS.				AMPS @ 240 V, 1PHASE 100.2	
TOTAL CONNECTED				34820	

PANEL A2					
240/120 V, 1 PH., 3 W, 10KAIC					
125 A, M. L. O.					
CIRCUIT NUMBER	BREAKER SIZE	WIRE SIZE	DESCRIPTION	LOAD	
1-2	20A/1P	#12	APPLIANCE CIRCUIT	3000	
3	20A/1P	#12	BATHROOM CIRCUIT		
4	20A/1P	#12	LAUNDRY CIRCUIT	1500	
5,7	30A/2P	#10	DRYER	5000	
6,8	50A/2P	#8	RANGE	8800	
9	20A/1P	#12	DISHWASHER (NOTE 2)	1200	
10,12	30A/2P	#10	WATER HEATER	4500	
11	20A/1P	#12	DISPOSAL (NOTE 2)	300	
14-16	15A/1P**	#14	GENERAL LIGHTING	1797	
			599 SQ. FT. X 3		
13	15A/1P	#14	MICROWAVE	1000	
-	-/-	-	-	0	
-	-/-	-	-	0	
TOTAL				27097	
10KW @ 100%				10000	
REMAINDER @ 40%				6839	
LARGER OF HEAT OR A/C				6865	
18,20	CU (NOTE 1)		6865 A/C @ 100%		
17,19	AHU (NOTE 1)		- HEAT @ 65%		
TOTAL CALCULATED				23704	
**ARC FAULT BREAKERS.				AMPS @ 240 V, 1PHASE 98.8	
TOTAL CONNECTED				33982	

PANEL B					
240/120 V, 1 PH., 3 W, 10KAIC					
125 A, M. L. O.					
CIRCUIT NUMBER	BREAKER SIZE	WIRE SIZE	DESCRIPTION	LOAD	
1-2	20A/1P	#12	APPLIANCE CIRCUIT	3000	
3,21	20A/1P	#12	BATHROOM CIRCUIT		
4	20A/1P	#12	LAUNDRY CIRCUIT	1500	
5,7	30A/2P	#10	DRYER	5000	
6,8	50A/2P	#8	RANGE	8800	
9	20A/1P	#12	DISHWASHER (NOTE 2)	1200	
10,12	30A/2P	#10	WATER HEATER	4500	
11	20A/1P	#12	DISPOSAL (NOTE 2)	300	
14-16	15A/1P**	#14	GENERAL LIGHTING	3432	
			1144 SQ. FT. X 3		
13	15A/1P	#14	MICROWAVE	1000	
-	-/-	-	-	0	
-	-/-	-	-	0	
TOTAL				28732	
10KW @ 100%				10000	
REMAINDER @ 40%				7493	
LARGER OF HEAT OR A/C				6865	
18,20	CU (NOTE 1)		6865 A/C @ 100%		
17,19	AHU (NOTE 1)		- HEAT @ 65%		
TOTAL CALCULATED				24358	
**ARC FAULT BREAKERS.				AMPS @ 240 V, 1PHASE 101.5	
TOTAL CONNECTED				35597	

PANEL C					
240/120 V, 1 PH., 3 W, 10KAIC					
125 A, M. L. O.					
CIRCUIT NUMBER	BREAKER SIZE	WIRE SIZE	DESCRIPTION	LOAD	
1-2	20A/1P	#12	APPLIANCE CIRCUIT	3000	
3,21	20A/1P	#12	BATHROOM CIRCUIT		
4	20A/1P	#12	LAUNDRY CIRCUIT	1500	
5,7	30A/2P	#10	DRYER	5000	
6,8	50A/2P	#8	RANGE	8800	
9	20A/1P	#12	DISHWASHER (NOTE 2)	1200	
10,12	30A/2P	#10	WATER HEATER	4500	
11	20A/1P	#12	DISPOSAL (NOTE 2)	300	
14-16	15A/1P**	#14	GENERAL LIGHTING	3741	
			1247 SQ. FT. X 3		
13	15A/1P				