

BUILDING CODE ANALYSIS - INTERNATIONAL BUILDING CODE, 2012 EDITION

CODE SUMMARY	
APPLICABLE CODES	
1. BUILDING CODE:	INTERNATIONAL BUILDING CODE, 2012 EDITION
2. MECHANICAL CODE:	INTERNATIONAL MECHANICAL CODE, 2012 EDITION
3. PLUMBING CODE:	INTERNATIONAL PLUMBING CODE, 2012 EDITION
4. ENERGY CODE:	INTERNATIONAL ENERGY CONSERVATION CODE, 2009 EDITION
5. FUEL & GAS CODE:	INTERNATIONAL FUEL & GAS CODE, 2012 EDITION
6. FIRE CODE:	INTERNATIONAL FIRE CODE, 2012 EDITION
7. ACCESSIBILITY CODE:	ADA, 2010 EDITION IBC - ICC/ANSI A117.1, 2009 EDITION
8. ELECTRICAL CODE:	NATIONAL ELECTRIC CODE, 2011 EDITION

ICC/ANSI A117.1 UNIT NOTES	
1.	FIRST FLOOR DWELLING UNITS SHALL BE ACCESSIBLE / ADAPTABLE (TYPE "A" OR TYPE "B" DWELLING UNITS. TYPE "A" DWELLING UNIT LOCATIONS ARE DESIGNATED ON ARCHITECTURAL SITE PLAN
2.	PROVIDE FIRST FLOOR THERMOSTATS AND ELECTRICAL SWITCHES MOUNTED 48" A.F.F. MAX TO TOP OF BOX U.O.N.
3.	RECEPTACLES IN ALL FIRST FLOOR DWELLING UNITS SHALL BE MOUNTED MIN. 15" A.F.F. TO BOTTOM OF BOX U.O.N.
4.	ALL DESIGNATED ACCESSIBLE/ANSI UNITS SHALL COMPLY WITH THE IBC 2012 BUILDING CODE CHAPTER 11 & ANSI 117.1 2009 EDITION

GENERAL CODE PARAMETERS (BUILDINGS)				
DESCRIPTION	REQUIRED OR ALLOWABLE	THIS PROJECT	REFERENCE	REMARKS
CONSTRUCTION TYPE	TYPE V (A)	TYPE V (A)	IBC CH. 6	
USE / OCCUPANCY	R-2	R-2	IBC CH. 3	
FIRE RATING	1 HR	1 HR	IBC CH. 6	TAB. 601
TENANT SEPARATION	1 HR	1 HR	IBC 708.3	
OCCUPANCY SEPARATION	1 HR	1 HR	IBC TABLE 508.4	GROUP R
PROTECTION	PROTECTED - 1 HR	PROTECTED - 1 HR	IBC TABLE 501	REFERS TO STRUCTURE
SPRINKLER	SPRINKLERED	SPRINKLERED	IBC 903.2 & 903.3.1.2	NFPA 13R
MAX No. STORIES	3	3	IBC TAB. 503 & SECT. 504.2	
MIN No. OF EXITS	2	2	IBC 1021.1 & TAB. 1021.2	
MIN. CORRIDOR WIDTH	44 INCHES	72 INCHES	IBC & IFC 1018.2	
MIN. STAIR WIDTH	36 INCHES	44 INCHES	IBC 1009.4 EXCEPTION 1	CL. TREAD WIDTH
MAX FLOOR AREA	12,000 SF	11,413 SF	IBC TAB. 503 & SECT. 504.2	TYPE 3
WIND SPEED	90 MPH	90 MPH	IBC SEC. 1609 & CITY OF CHATTANOOGA	
SEISMIC DES.	CLASS C	CLASS C	IBC SEC. 1613.3.2 & REFER TO GEOTECHNICAL REPORT	
SNOW LOAD	GROUND 10 PSF	10 PSF	IBC SEC. 1608 & TAB. 1608.2 & CITY OF CHATTANOOGA	
FROST DEPTH	4 INCHES	4 INCHES	IBC SECT. 1809.5 & CITY OF CHATTANOOGA	

BUILDING CODE PARAMETERS - IBC 2012				
BUILDING TYPE 1 (GROUP R-2, TYPE V(A)):				
LEVEL 1	12,000 SF	11,376 SF	IBC TABLE 503	IBC SECT. 504.2
LEVEL 2	12,000 SF	11,394 SF	IBC TABLE 503	IBC SECT. 504.2
LEVEL 3	12,000 SF	11,376 SF	IBC TABLE 503	IBC SECT. 504.2
TOTAL FOOTPRINT	36,000 SF	34,146 SF	IBC TABLE 503	IBC SECT. 504.2
HEIGHT LIMIT	50'-0"	37'-2"	IBC TABLE 503	IBC SECT. 504.2
OCCUPANT LOAD	200 GROSS	171	IBC TAB. 1004.1.2 & IFC TAB. 1004.1.2	
BUILDING TYPE 2 (GROUP R-2, TYPE V(A)):				
LEVEL 1	12,000 SF	11,498 SF	IBC TABLE 503	IBC SECT. 504.2
LEVEL 2	12,000 SF	10,556 SF	IBC TABLE 503	IBC SECT. 504.2
LEVEL 3	12,000 SF	10,536 SF	IBC TABLE 503	IBC SECT. 504.2
TOTAL FOOTPRINT	36,000 SF	32,590 SF	IBC TABLE 503	IBC SECT. 504.2
HEIGHT LIMIT	50'-0"	37'-2"	IBC TABLE 503	IBC SECT. 504.2
OCCUPANT LOAD	200 GROSS	163	IBC TAB. 1004.1.2 & IFC TAB. 1004.1.2	
BUILDING TYPE 3 (GROUP R-2, TYPE V(A)):				
LEVEL 1	12,000 SF	11,413 SF	IBC TABLE 503	IBC SECT. 504.2
LEVEL 2	12,000 SF	11,433 SF	IBC TABLE 503	IBC SECT. 504.2
LEVEL 3	12,000 SF	11,413 SF	IBC TABLE 503	IBC SECT. 504.2
TOTAL FOOTPRINT	36,000 SF	34,259 SF	IBC TABLE 503	IBC SECT. 504.2
HEIGHT LIMIT	50'-0"	37'-2"	IBC TABLE 503	IBC SECT. 504.2
OCCUPANT LOAD	200 GROSS	172	IBC TAB. 1004.1.2 & IFC TAB. 1004.1.2	

MAX. AREA OF EXTERIOR WALL OPENINGS FROM TABLE 705.8 - IBC 2012		
WORST CASE CONDITION: BUILDING #8 WEST ELEV. - BUILDING TYPE 2 - UNPROTECTED, SPRINKLERED		
ALLOWABLE	ACTUAL	
OVER 0 FT TO 3 FT	NP	NA
OVER 3 FT TO 5 FT	15%	NA
OVER 5 FT TO 10 FT	25%	NA
OVER 10 FT TO 15 FT	45%	13%
OVER 15 FT TO 20 FT	75%	NA
OVER 20 FT TO 25 FT	NL	NA
OVER 25 FT	NL	NA

MEANS OF EGRESS - IBC & IFC				
OCCUPANCY CLASSIFICATION	LOCATION	MAX. TRAVEL DISTANCE TO EXIT (ALLOWABLE)		MAX. TRAVEL DISTANCE (ACTUAL)
		UNSPRINK.	SPRINK.	
R-2	BUILDING TYPE 1	200'	250'	169'-8"
R-2	BUILDING TYPE 2	200'	250'	169'-8"
R-2	BUILDING TYPE 3	200'	250'	169'-8"
A-3	CLUBHOUSE	200'	250'	51'-0"

NOTE: SEE SHEETS A0-03-A0-05 & CH0-01 FOR EXIT ACCESS TRAVEL DISTANCE LAYOUT

ENERGY CONSERVATION REQUIREMENTS	
2009 I.B.C. - ENERGY CONSERVATION CHAPTER 402.4	
THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY TO LIMIT INFILTRATION. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. THE FOLLOWING SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL, SUITABLE FILM OR SOLID MATERIAL:	
1- ALL JOINTS, SEAMS AND PENETRATIONS	
2- SITE-BUILT WINDOWS, DOORS AND SKYLIGHTS.	
3- OPENINGS BETWEEN WINDOWS AND DOOR ASSEMBLIES AND THEIR RESPECTIVE JAMBS AND FRAMING.	
4- UTILITY PENETRATIONS.	
5- DROPPED CEILING OR CHASES ADJACENT TO THE THERMAL ENVELOPE.	
6- KNEE WALLS.	
7- ATTIC ACCESS OPENINGS.	
8- RIM JOIST JUNCTION.	
9- OTHER SOURCES OF INFILTRATION.	

FIRE-RESISTANCE RATING REQUIREMENTS (PER TABLE 601) - APARTMENTS - TYPE V(A)		
STRUCTURAL FRAME, INCLUDING GIRDERS, TRUSSES	REQUIRED	PROVIDED
	N/A	N/A
STRUCTURAL FRAME, COLUMNS	1	1
BEARING WALLS:		
EXTERIOR	1	1
INTERIOR	1	1
NONBEARING WALLS AND PARTITIONS:		
EXTERIOR	TABLE 602	1
INTERIOR	0	0
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	1	1
ROOF CONSTRUCTION	1	1
SEPARATION DISTANCE - TABLE 602 10 < X < 30	1	1

ICC/ANSI A117.1 NOTES	
1.	PROVIDE THERMOSTATS AND ELECTRICAL SWITCHES MOUNTED 48" A.F.F. MAX TO TOP OF BOX U.O.N.
2.	RECEPTACLES SHALL BE MOUNTED MIN. 15" A.F.F. TO BOTTOM OF BOX U.O.N.

GENERAL CODE PARAMETERS (CLUBHOUSE)				
DESCRIPTION	REQUIRED OR ALLOWABLE	THIS PROJECT	REFERENCE	REMARKS
CONSTRUCTION TYPE	TYPE V (B)	TYPE V (B)	IBC CH. 6	
USE / OCCUPANCY	A-3; B; & S	A-3; B; & S	IBC CH. 3 & 4	
FIRE RATING	0 HR	0 HR	IBC TAB. 601	
OCCUPANCY SEPARATION	0 HR	0 HR	IBC TAB. 508.3.1 - 508.3.3	
SPRINKLER	NO SPRINKLER	NO SPRINKLER	IBC 903	
MAX No. STORIES	1	1	IBC TAB. 503 & SEC. 504.2	
MIN No. OF EXITS	2	5	IBC TAB. 1019.1	
MIN. CORRIDOR WIDTH	44 INCHES	53.75 INCHES	IBC & IFC 1017.2	
MAX FLOOR AREA	6,000 SF	A-3 = 2,747 GSF / PERSON B = 295 GSF / PERSON S = 3,042 GSF / PERSON	IBC TAB. 503 & SEC. 507	
WIND SPEED	90 MPH	90 MPH	IBC SEC. 1609 & CITY OF CHATT	
CLUBHOUSE (GROUP A-3, TYPE V(B)):				
TOTAL FOOTPRINT	6,000 SF	4,358 SF	IBC TABLE 503	
HEIGHT LIMIT	40'-0"	20'-7"	IBC TABLE 503 & SEC. 504.2	
OCCUPANT LOAD	A-3 = 15 NSF / PERSON (UNCONCENTRATED) A-3 = 50 GSF / PERSON (FITNESS W/ EQUIP. - EXERCISE RM.) B = 100 NSF / PERSON (BUSINESS) S = 300 GSF / PERSON (ACCESSORY / STOR.) * A-3 & B ARE NON-SEPARATED USES	A-3 (1,285 NSF) = 86 PERS. A-3 (695 GSF) = 14 PERS. B (680 GSF) = 7 PERS. S (386 GSF) = 2 PERS.	IBC TABLE 1004.1.2	

GENERAL CODE PARAMETERS (MAINTENANCE BUILDING)				
DESCRIPTION	REQUIRED OR ALLOWABLE	THIS PROJECT	REFERENCE	REMARKS
CONSTRUCTION TYPE	TYPE V (B)	TYPE V (B)	IBC TABLE 503	
USE / OCCUPANCY	U	U	IBC CH. 3 & 4	
FIRE RATING	0 HR	0 HR	IBC CH. 6	
OCCUPANCY SEPARATION	1 HR	1 HR	IBC TABLE 508.3.3	
SPRINKLER	NO SPRINKLER	NO SPRINKLER	IBC TABLE 903	
MAX No. STORIES	1	1	IBC TABLE 503	
MIN No. OF EXITS	2	2	IBC TABLE 1019.1	
MIN. CORRIDOR WIDTH	44 INCHES	N/A	IBC TABLE 1017.2	
MAX FLOOR AREA	6,000 SF	680 SF	IBC TABLE 503	
WIND SPEED	90 MPH	90 MPH	IBC SEC. 1609	
SEISMIC ZONE	CATEGORY C	CATEGORY C	IBC SEC. 1613	
SNOW LOAD	GROUND 10 PSF	10 PSF	IBC SEC. 1608	
FROST DEPTH	12 INCHES	12 INCHES	IBC 1805.2.1	
MAINTENANCE BUILDING (GROUP U, TYPE V(B)):				
TOTAL FOOTPRINT	6,000 SF	681 SF	IBC TABLE 503	
HEIGHT LIMIT	40'-0"	12'-6"	IBC TABLE 503	
OCCUPANT LOAD	U = 300 GROSS	U=3 PEOPLE	IBC TABLE 1004.1.1	

BRIDGEWAY APARTMENTS / Chattanooga Tennessee - PROPOSED UNIT TABLE - Prelim 2 2/26/2013

BUILDING TYPE	UNIT TYPES										UNIT TOTALS
	STUDIO 'S1'	UNIT 'A1-S' 1 BR (STORAGE)	UNIT 'A1-C' 1 BR (COMP. DESK)	UNIT 'B1-S' 2 BR (SMALL) (STORAGE)	UNIT 'B1-C' 2 BR (SMALL) (COMP. DESK)	UNIT 'B2-SS' 2 BR (LARGE) (STORAGE)	UNIT 'B2-CS' 2 BR (LARGE) (COMP. DESK)	UNIT 'C1-S' 3 BR (STORAGE)	UNIT 'C1-C' 3 BR (COMP. DESK)	GARAGE	
BUILDING TYPE 1											
1ST FLOOR	1	1	1	1	1	1	1	0	0	6	7
2ND FLOOR	2	1	3	1	1	1	1	0	0	0	10
3RD FLOOR	2	1	3	1	1	1	1	0	0	0	10
UNITS PER BUILDING	5	3	7	3	3	3	3	0	0	6	27
UNITS PER (6) BUILDINGS	30	18	42	18	18	18	18	0	0	36	162
BUILDING TYPE 2											
1ST FLOOR	0	0	1	0	0	0	0	0	4	5	6
2ND FLOOR	0	0	2	1	5	0	0	0	0	0	8
3RD FLOOR	0	0	2	1	5	0	0	0	0	0	8
UNITS PER BUILDING	0	0	5	2	11	0	0	0	4	5	22
UNITS PER (2) BUILDINGS	0	0	10	4	22	0	0	0	8	10	44
BUILDING TYPE 3											
1ST FLOOR	0	0	0	0	2	1	3	0	0	6	6
2ND FLOOR	0	0	0	0	2	1	5	0	0	0	8
3RD FLOOR	0	0	0	0	2	0	6	0	0	0	8
UNITS PER BUILDING	0	0	0	0	6	2	14	0	0	6	22
UNITS PER (2) BUILDINGS	0	0	0	0	12	4	28	0	0	12	44
10 TOTAL BUILDINGS	30	18	52	22	52	22	46	0	8	52	250
PERCENT OF TOTAL UNITS	12.00%	7.20%	20.80%	8.80%	20.80%	8.80%	18.40%	0.00%	3.20%	100.00%	

BUILDING TYPE	UNIT SUMMARY										
	STUDIO 'S1'	UNIT 'A1-S' 1 BR (STORAGE)	UNIT 'A1-C' 1 BR (COMP. DESK)	UNIT 'B1-S' 2 BR (SMALL) (STORAGE)	UNIT 'B1-C' 2 BR (SMALL) (COMP. DESK)	UNIT 'B2-SS' 2 BR (LARGE) (STORAGE)	UNIT 'B2-CS' 2 BR (LARGE) (COMP. DESK)	UNIT 'C1-S' 3 BR (STORAGE)	UNIT 'C1-C' 3 BR (COMP. DESK)	GARAGE	UNIT TOTALS
NSF AREA	558 N.S.F.	803 N.S.F.	803 N.S.F.	1069 N.S.F.	1069 N.S.F.	1134 N.S.F.	1134 N.S.F.	1337 N.S.F.	1337 N.S.F.		
GSF AREA	592 G.S.F.	846 G.S.F.	846 G.S.F.	1122 G.S.F.	1122 G.S.F.	1186 G.S.F.	1186 G.S.F.	1398 G.S.F.	1398 G.S.F.		
Definitions	NSF Area is the conditioned space within exterior and common walls - to face of Gypsum Board (Balcony Excluded)										
	GSF Area is the conditioned space including exterior and common walls - to exterior face of exterior wall or common wall centerline (Balcony Excluded)										

ACCESSIBILITY SUMMARY			
REGULATION	DWELLING UNITS	ACCESSIBLE GARAGES	CLUBHOUSE & AMENITIES
IBC 2012, CH 11 - ICC/ANSI 2009, A117.1	2% = 5 GROUND FLOOR DWELLING UNITS DESIGNATED ANSI (TYPE A) REQUIRED, 5 PROVIDED	2% = 1, 04 = 2 REQUIRED - 2 PROVIDED	N/A
FEDERAL FAIR HOUSING ACT	ALL GROUND FLOOR UNITS ADAPTABLE TO FEDERAL FAIR HOUSING ACT GUIDELINES EXCEPT DESIGNATED ANSI (TYPE 'A') UNITS	2% (SUGGESTED) - 2 PROVIDED	N/A
ADA 1998	N/A	N/A	100%

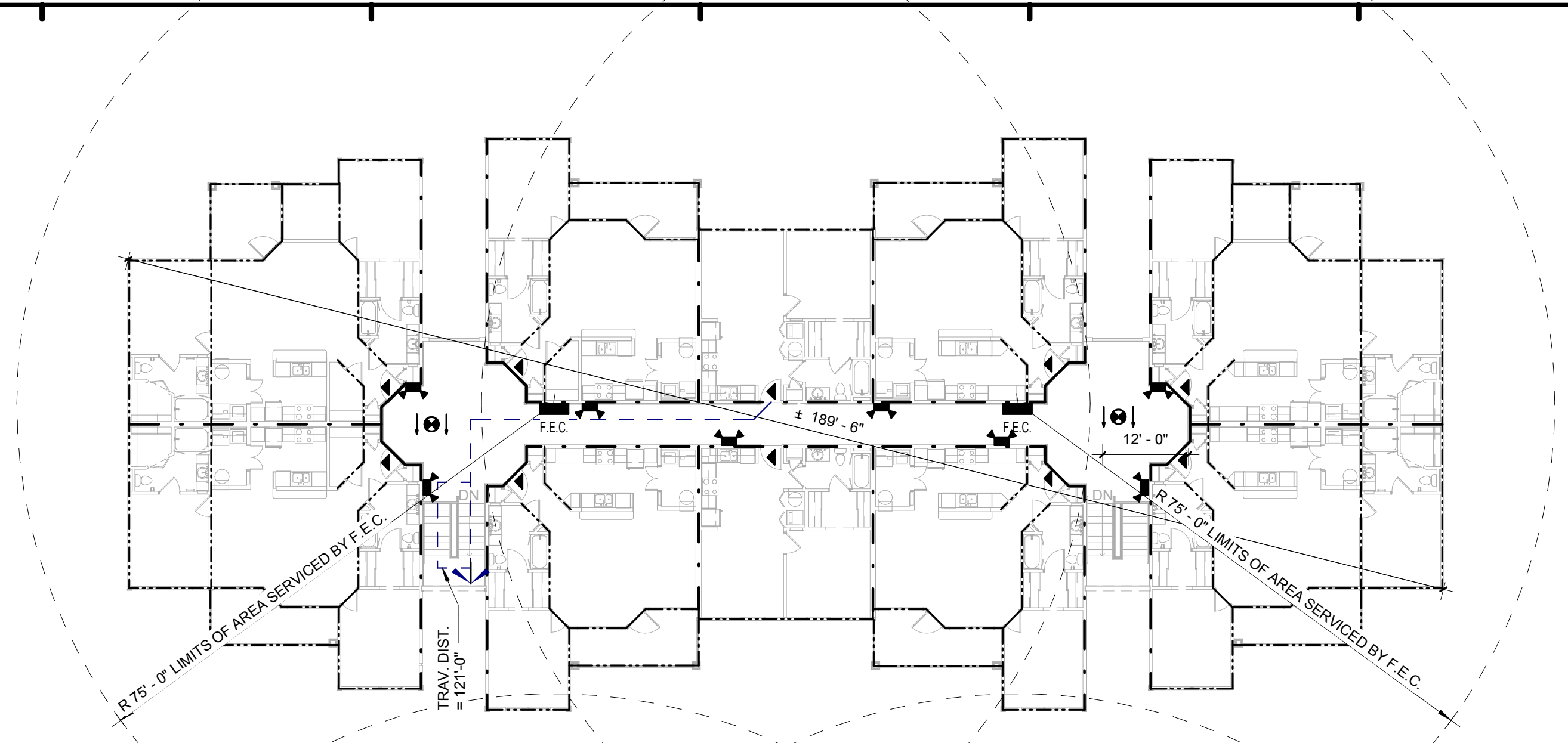
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT (INTERNATIONAL ENERGY CONSERVATION CODE 2009 - TABLE 402.1.1)										
CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE
4	0.35	0.60	NR	38	13	5	19	10 / 13	R-10, 2 ft	10 / 13
PROVIDED	0.34	NA	N.R.	38	13	NA	19	NA	R-10, 2 ft	NA

NOTE: SLAB ON-GRADE: * SLAB INSULATION (IECC - 2006 PHARAGRAPH 402.2.7) NOT REQUIRED BY JURISDICTION DUE TO TERMITE INFESTATION, NOT PROVIDED ACCORDINGLY.

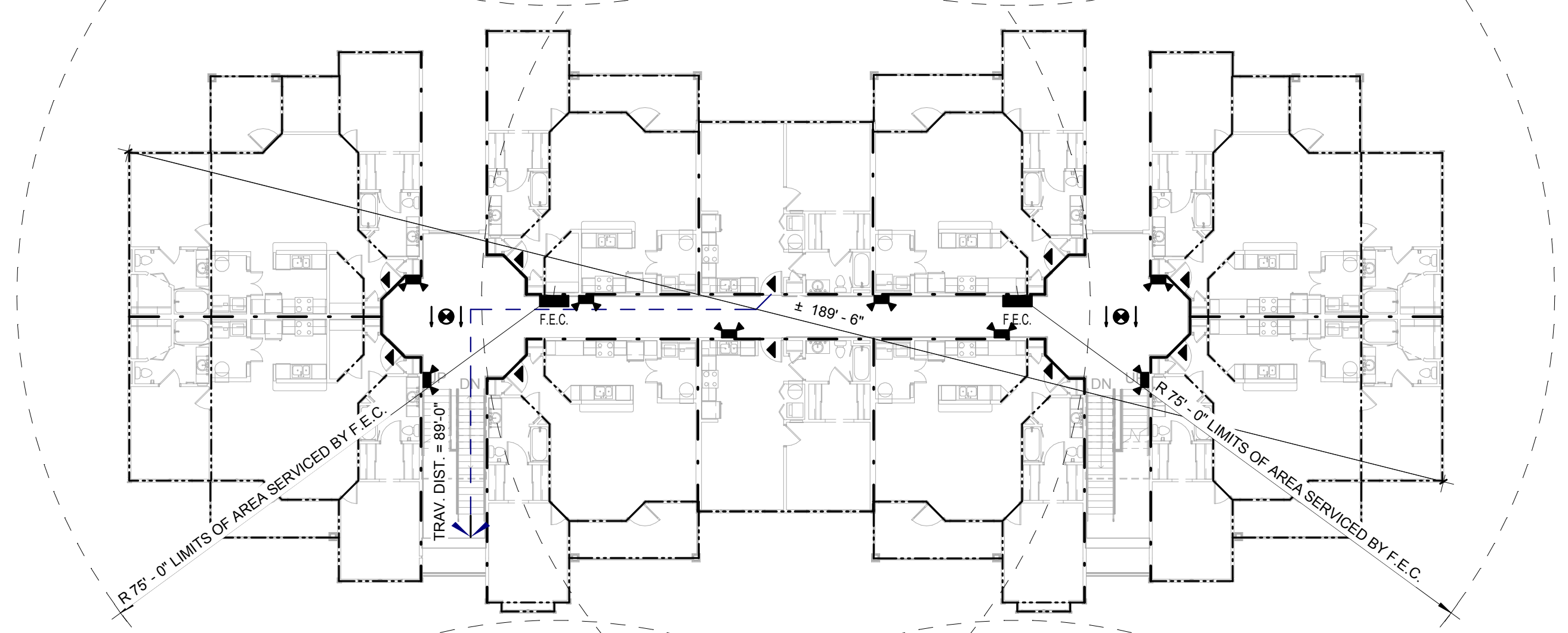
ARCHITECTURAL ABBREVIATIONS

A	ABOVE	BRK.	BRICK	CONTR.	CONTRACTOR	E	EAST	F.E.C.	FIRE EXTINGUISHER	GL	GLASS	J	JANITOR	MAX.	MAXIMUM	O	ON CENTER	Q	QUARRY TILE	SHLV/SH	SHELVING	V	VARIES
ACC.FL.	ACCESS FLOOR	B.S.M.T.	BASIN	COORD.	COORDINATE	E.A.	EACH	F.F.	FEDERAL	G.C.	GRADE	J.F.	JOINT FILLER	M.C.	MECHANICAL	OD	OVERFLOW DRAIN	Q.T.	QUANTITY	SHT.	SHEET	VAR.	VARIABLE
ACoust.	ACOUSTICAL	B.U.	BETWEEN	CPT.	CARPET	E.F.	EACH FACE	F.H.C.	FINISH	H	HOLLOW	JNT.	JOINT	M.E.M.B.	MEMBRANE	OH.	OVERHEAD	QTY.	QUANTITY	SPC.	SPECIFICATION	V.B.	VINYL BASE
ACT	ACOUSTICAL CEILING	C.W.	BOTH WAYS	CSMT.	CASEMENT	E.F.S.	EXPANSION JOINT	F.I.	FINISH	H.C.	HOLLOW CORE	JST.	JOIST	M.FTR.	MANUFACTURER	OPNG.	OPENING	RE.	REFER TO	SQ.	SQUARE	VCT	VINYL COMPOSITION TILE
A.D.	AREA DRAIN	CAB.	CABINET	CTR.	CENTER	E.L./ELEV.	ELEVATION	F.L.	FLOW LINE	H.D.	HEAD	K	KITCHEN	M.H.	MANHOLE	OPP.	OPPOSITE	R	RISER	STD.	STANDARD	V.F.	VERIFY IN FIELD
ADJ.	ADJACENT																						

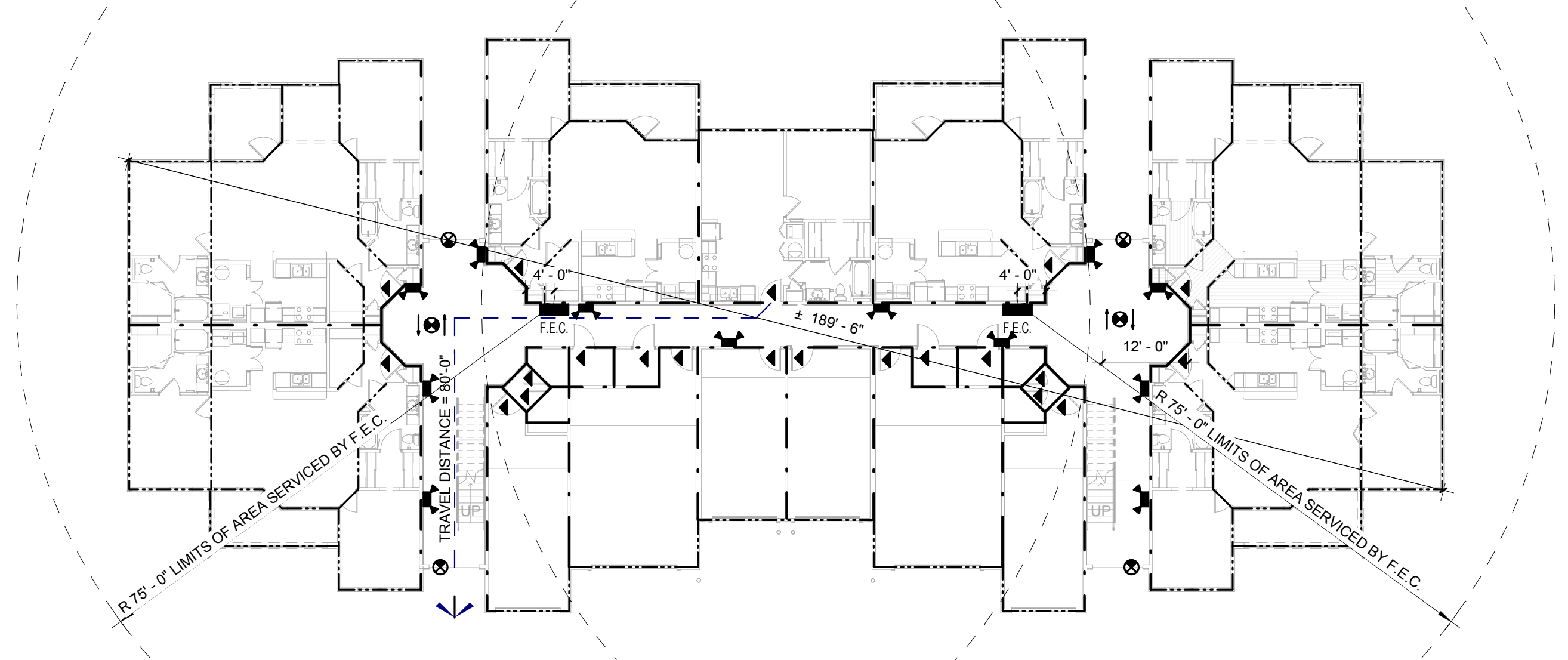
BUILDING NUMBER	1
TYPE	1
ADDRESS	[2495] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	3
TYPE	1
ADDRESS	[2479] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	4
TYPE	1
ADDRESS	[2471] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	5
TYPE	1
ADDRESS	[2463] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	6
TYPE	1
ADDRESS	[2455] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	9
TYPE	1
ADDRESS	[2431] BRIDGE CIRCLE
PERMIT #	TBD



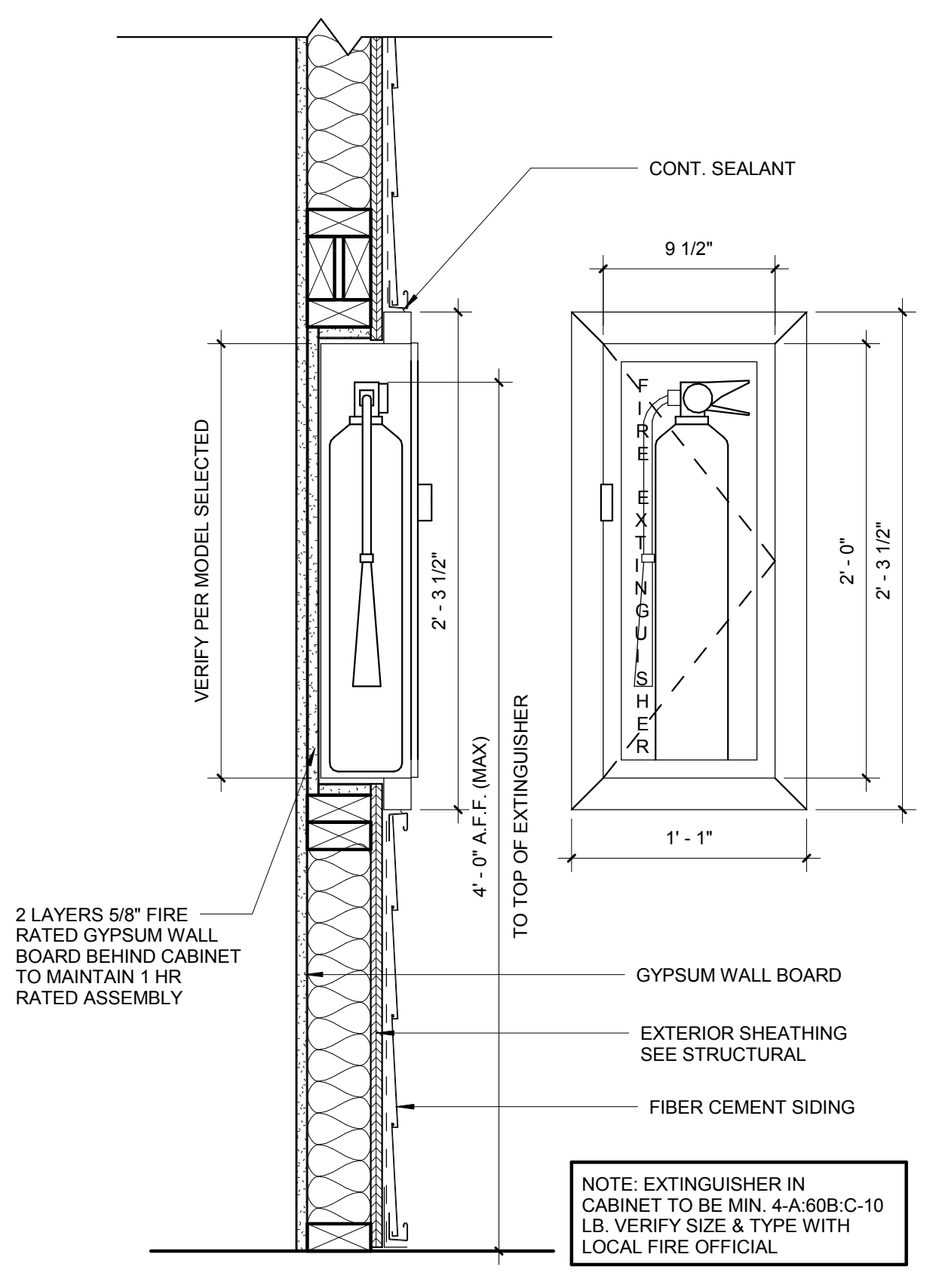
C6 BUILDING 1 - LEVEL 3 - LIFE SAFETY PLAN
1/16" = 1'-0"



E6 BUILDING 1 - LEVEL 2 - LIFE SAFETY PLAN
1/16" = 1'-0"



H6 BUILDING 1 - LEVEL 1 - LIFE SAFETY PLAN
1/16" = 1'-0"



H2 FIRE EXTINGUISHER CABINET
1 1/2" = 1'-0"

GENERAL NOTES:

- ALL UNIT ENTRY DOORS PROVIDE 32" MIN OPENING WIDTH.
- ALL UNITS REQUIRED TO HAVE A BRACKET MOUNTED PORTABLE FIRE EXTINGUISHER RATED 3-A:40-B:C (5 LB) OR HIGHER LOCATED IN KITCHEN SINK BASE CABINET. VERIFY LOCATION, SIZE AND TYPE WITH LOCAL FIRE OFFICIAL.
- ALL COMBUSTIBLE MATERIALS INCLUDING FURNITURE SHALL NOT BE PLACED OR STORED ON BALCONIES INCLUDING BUT NOT LIMITED TO DEFINITION NFPA 101 SECTION 2-133

LEGEND:

- EMERGENCY LIGHT
- TRAVEL DISTANCE TO EXIT
- FIRE EXTINGUISHER. VERIFY EXACT LOCATIONS AND TYPES WITH LOCAL FIRE OFFICIAL.
- 20 MIN DOOR
- 45 MIN DOOR
- EXIT SIGN
- REQUIRED 1 HOUR FIRE TENANT SEPARATION
- 1 HOUR PROTECTED ASSEMBLY

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

FUGLEBERG KOCH
PLLC

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

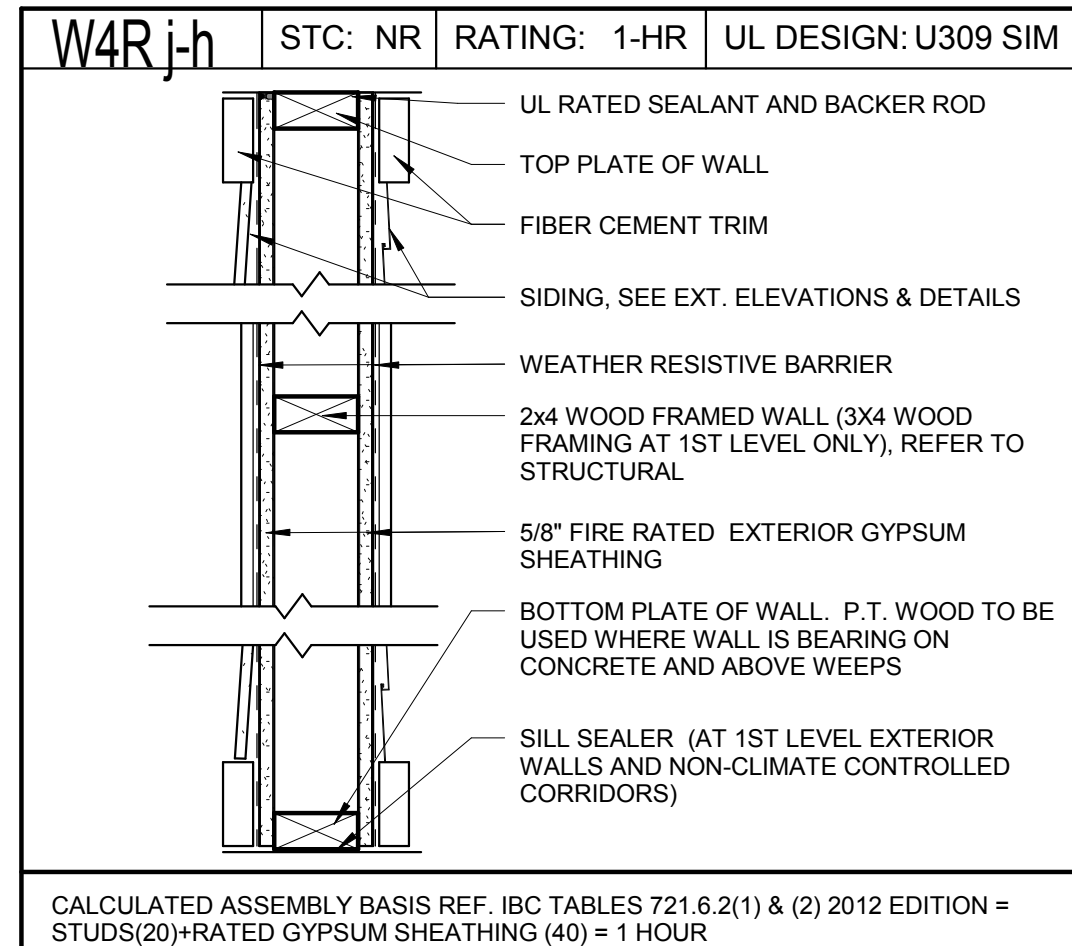
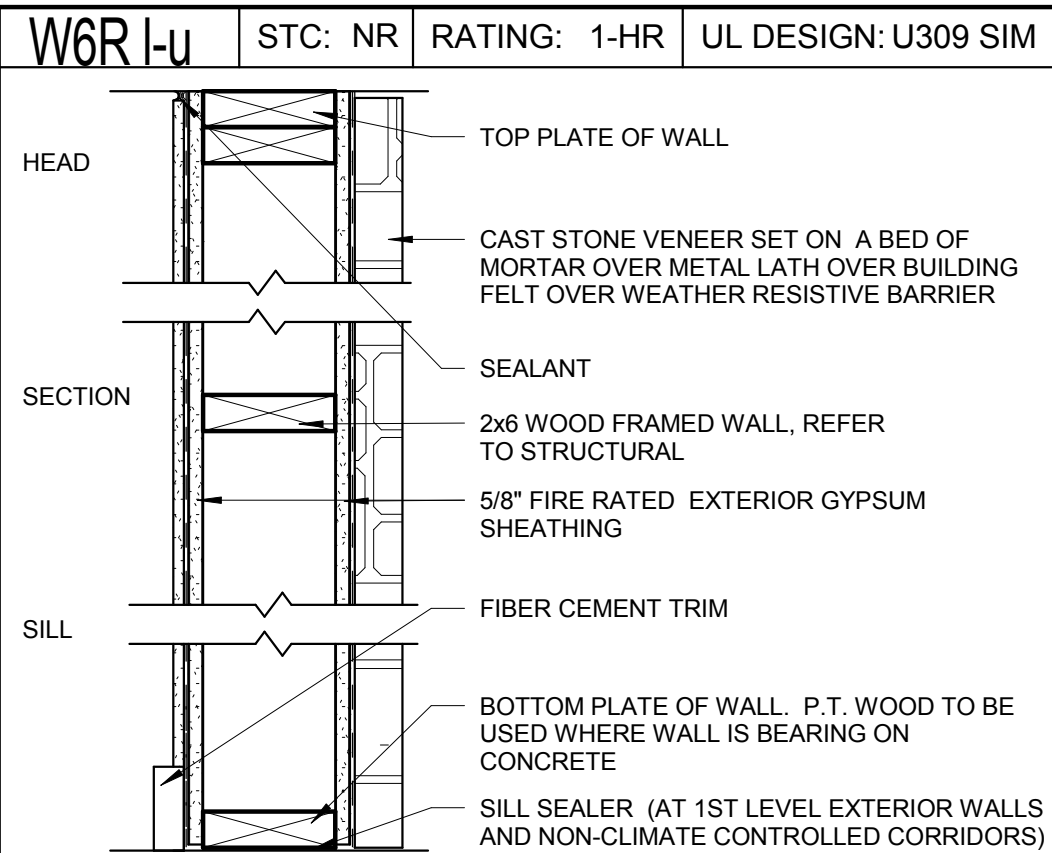
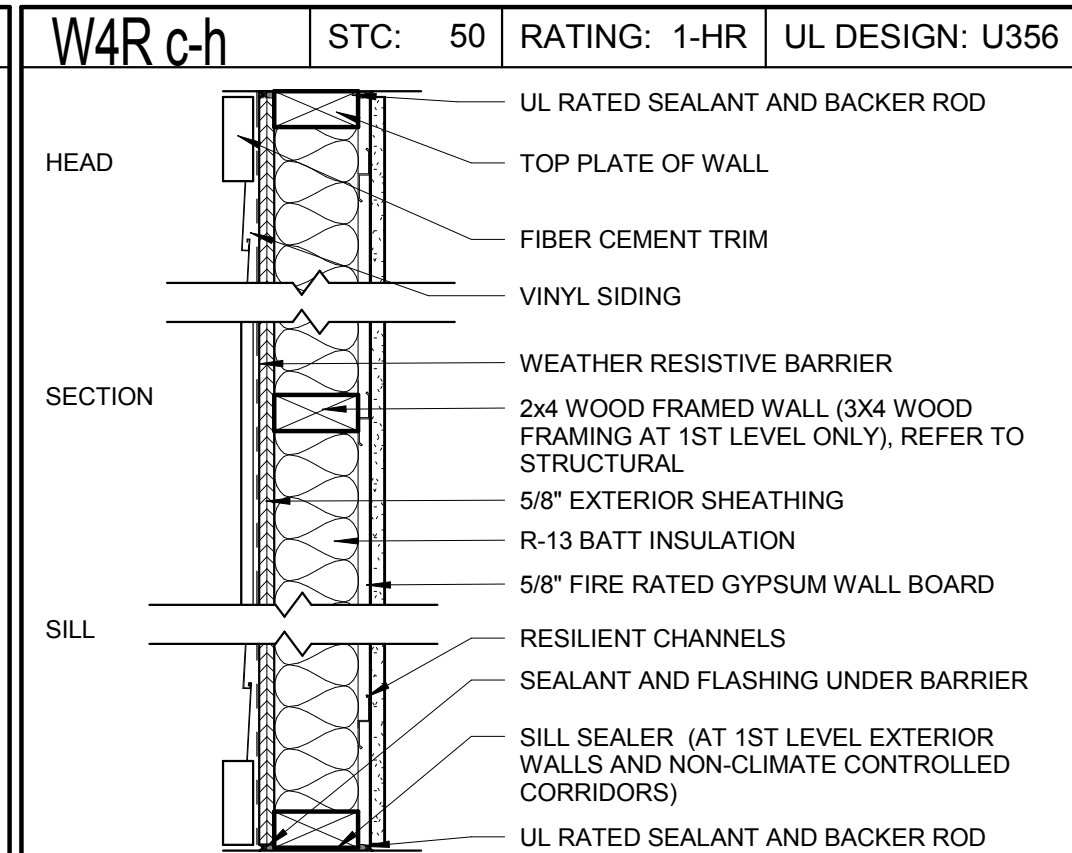
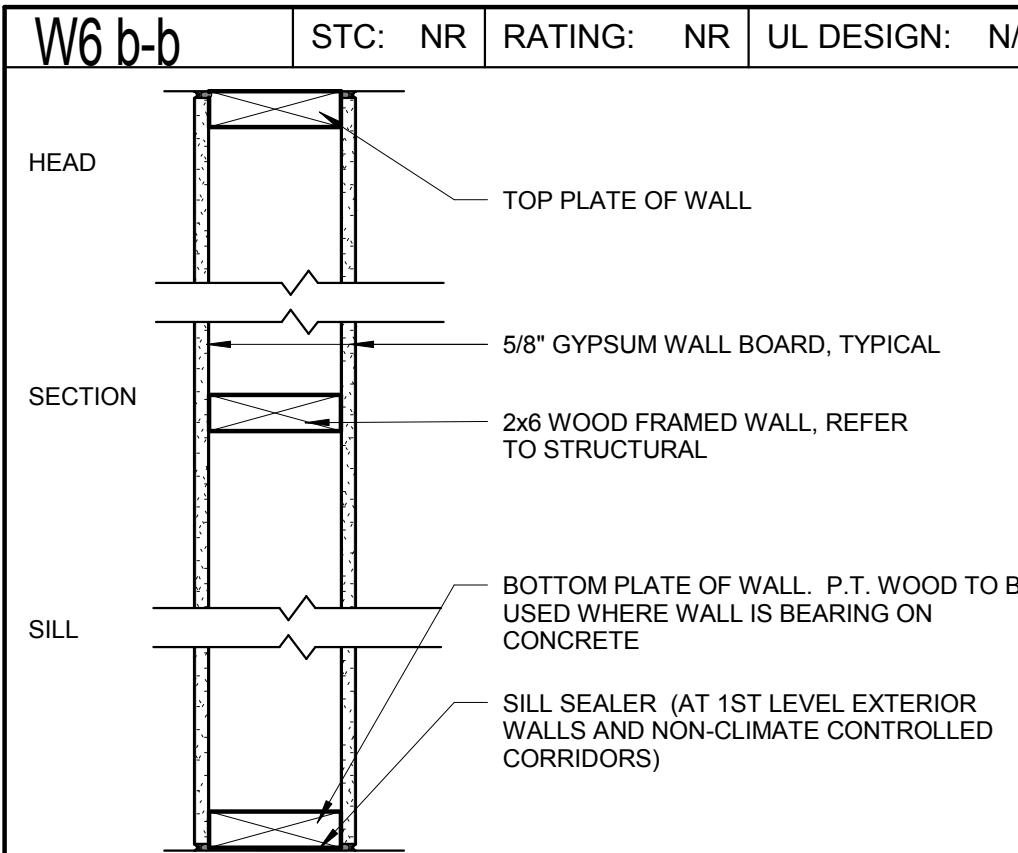
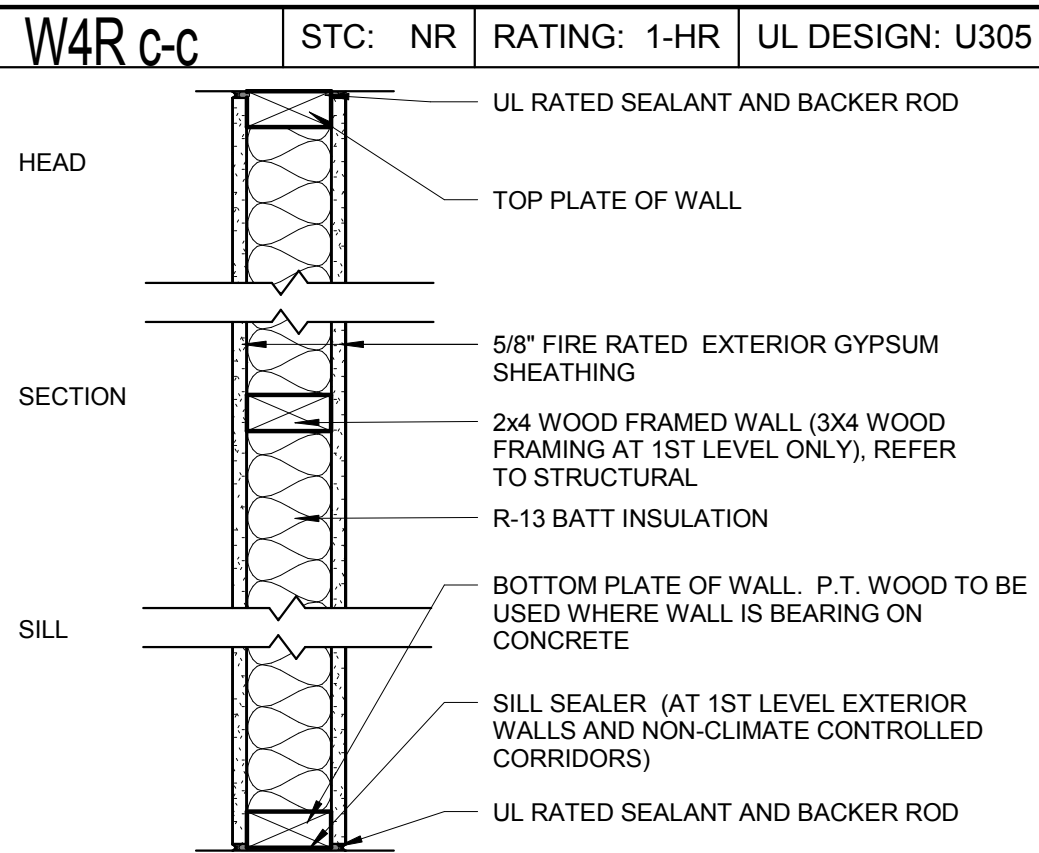
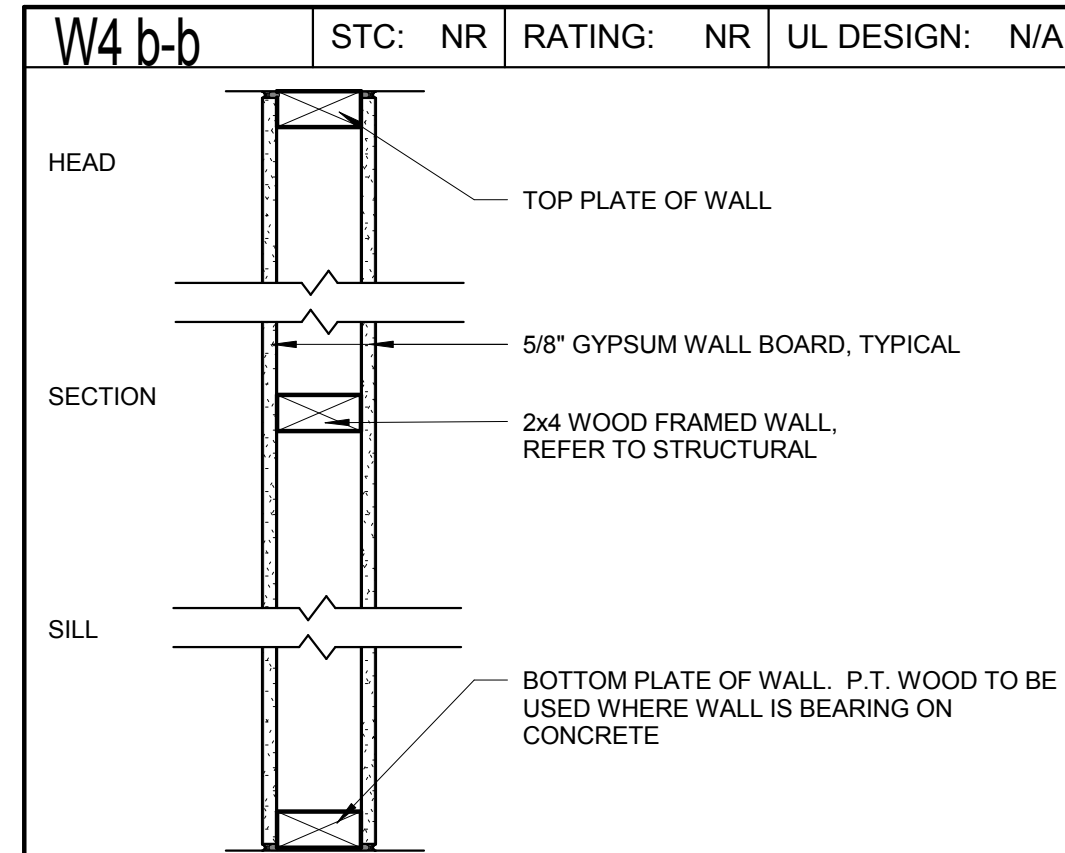
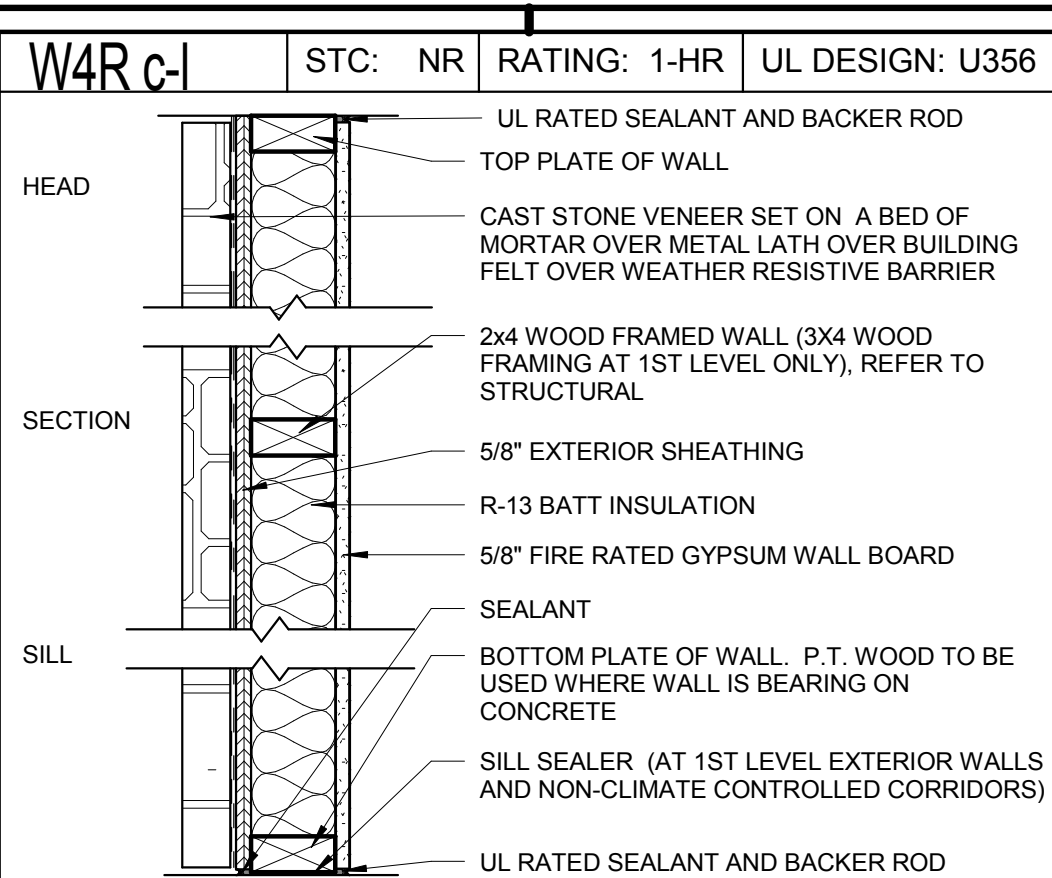
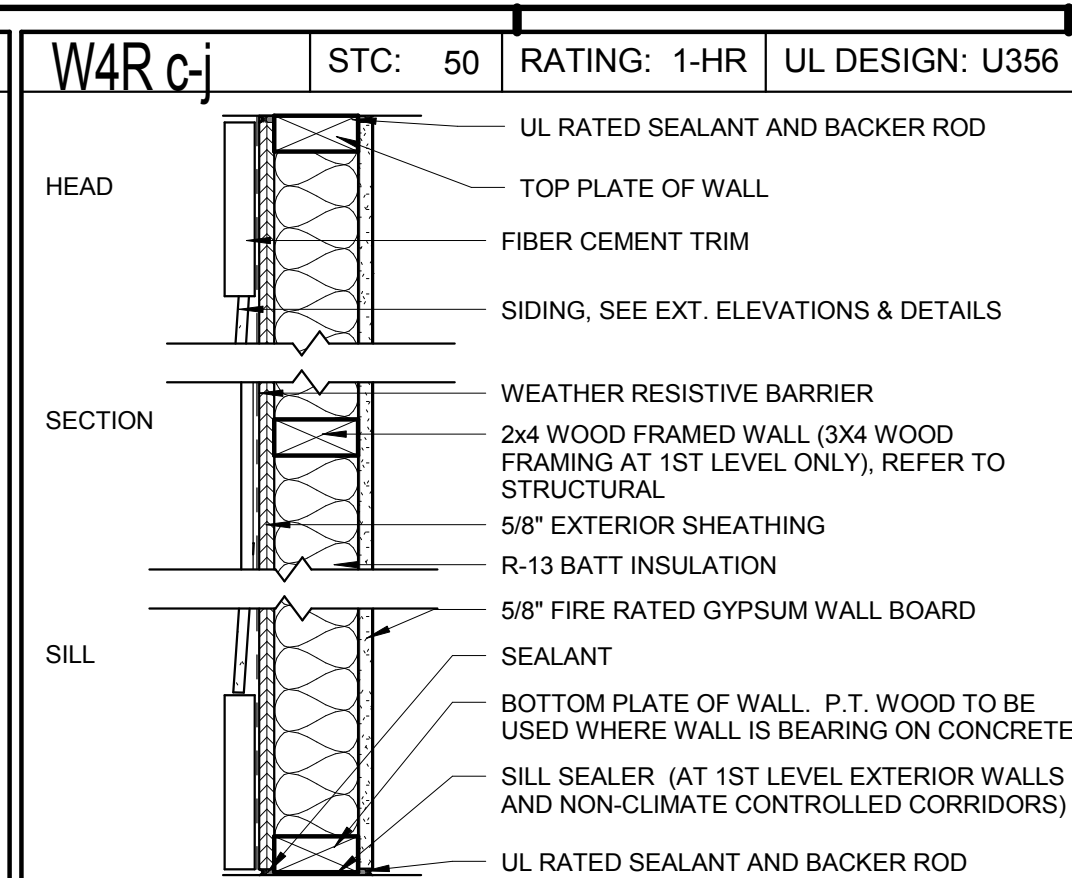
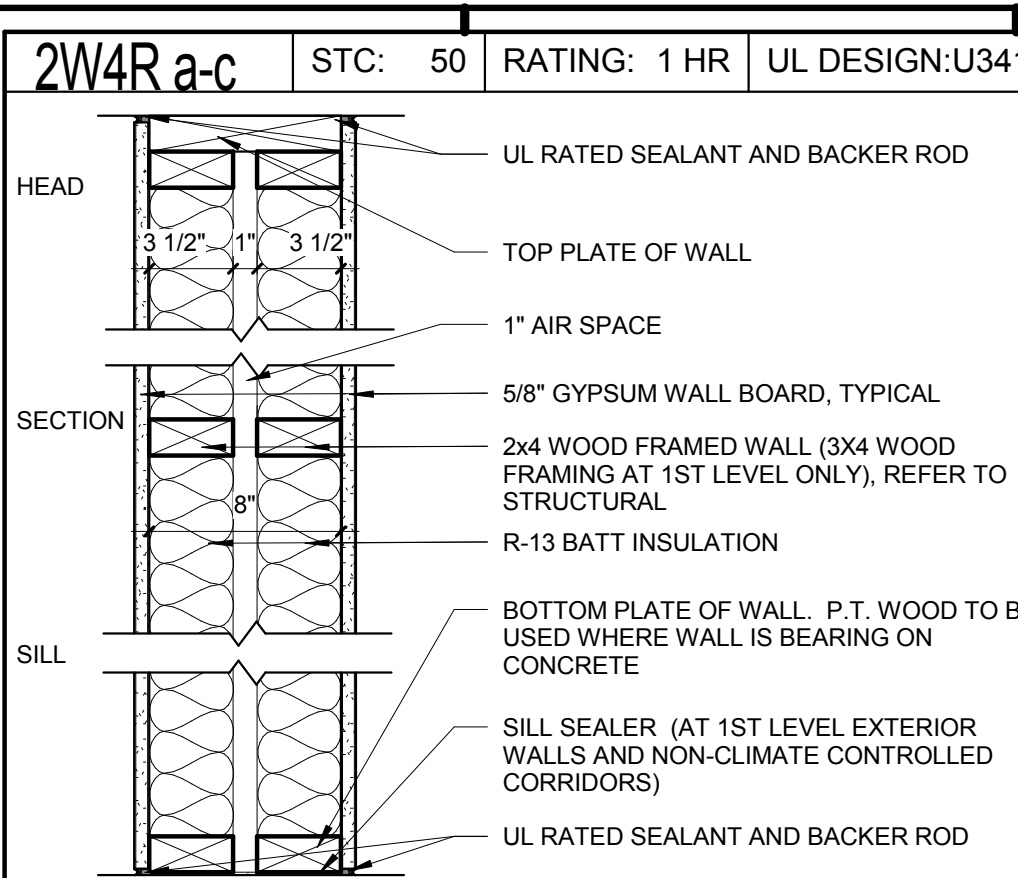
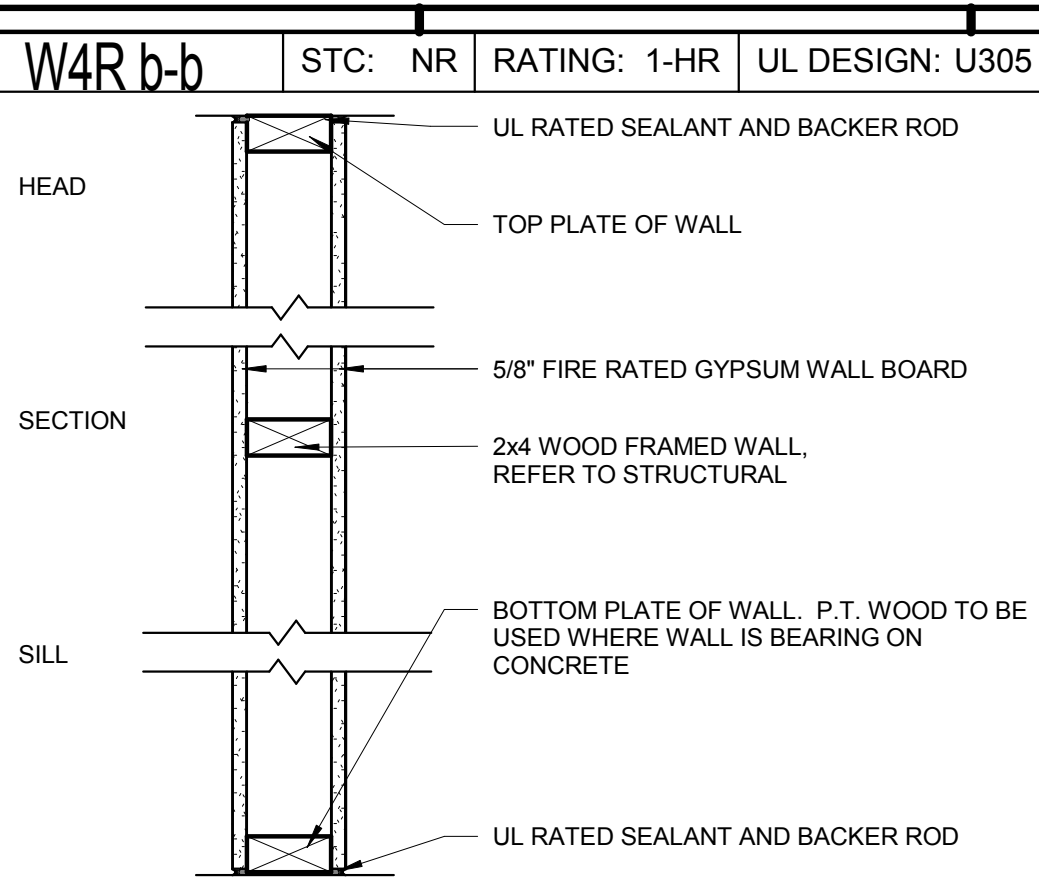
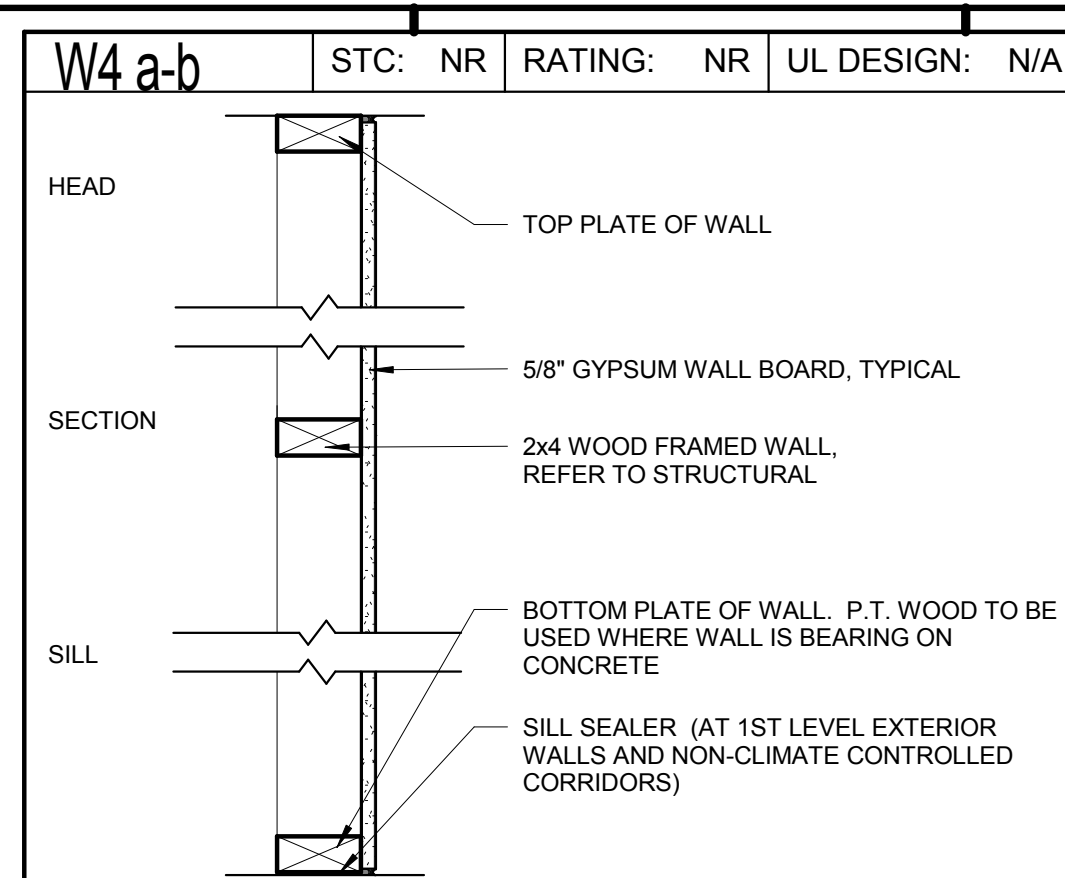
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

Drawn: FZ
Checked: PF
Approval: PF
Date: 04/29/2013
Project #: 5166.400

BUILDING TYPE 1 - LIFE SAFETY PLANS - BLDGS. #1,4,5&7

A0.03

PATRICK D. FITCH
LICENSE # 103195



LEGEND:

WOOD STUD
W8 = 2 X 8 WOOD STUDS (1-1/2" X 7-1/4")
W6 = 2 X 6 WOOD STUDS (1-1/2" X 5-1/2")
W4 = 2 X 4 WOOD STUDS (1-1/2" X 3-1/2")

OTHER
R = INDICATES RATED ASSEMBLY

MODIFIERS
a. UNFINISHED
b. (1) LAYER SHEATHING & INSULATION
c. (1) LAYER SHEATHING & INSULATION
d. (2) LAYERS SHEATHING & INSULATION
e. (2) LAYERS SHEATHING & INSULATION
f. (1) LAYER SHEATHING WITH FURRING
g. (1) LAYER SHEATHING WITH FURRING & INSULATION
h. VINYL SIDING, BUILDING PAPER, WEATHER RESISTIVE BARRIER, SHEATHING
i. STUCCO, LATH, BUILDING PAPER, WEATHER RESISTIVE BARRIER, SHEATHING
j. FIBER CEMENT SIDING, BUILDING PAPER, WEATHER RESISTIVE BARRIER, SHEATHING
k. STONE VENEER
l. STONE VENEER, LATH, BUILDING PAPER, WEATHER RESISTIVE BARRIER, SHEATHING
m. (1) LAYER M.R. / CEMENTITIOUS SHEATHING
n. (1) LAYER M.R. / CEMENTITIOUS SHEATHING & INSULATION
o. (2) LAYERS M.R. / CEMENTITIOUS SHEATHING & INSULATION
p. (2) LAYERS M.R. / CEMENTITIOUS SHEATHING & INSULATION
q. (1) LAYER M.R. / CEMENTITIOUS SHEATHING WITH FURRING
r. (1) LAYER M.R. / CEMENTITIOUS SHEATHING WITH FURRING & INSULATION
s. SKIM COAT FINISH
t. BRICK VENEER, AIRSPACE, BUILDING PAPER, BUILDING WRAP, SHEATHING
u. FIBER CEMENT PANEL OVER BUILDING WRAP OVER EXTERIOR SHEATHING

NOTES:

* WALL TYPE DESIGNED TO MEET MIN. STC RATING OF 50 - CONTRACTOR MAY ELECT TO ALTER ASSEMBLY PROVIDED NEW ASSEMBLY STILL MEETS MIN. UL LISTED CRITERIA AND PASSED A MIN. FIELD TESTED STC 45 RATING.

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

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

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

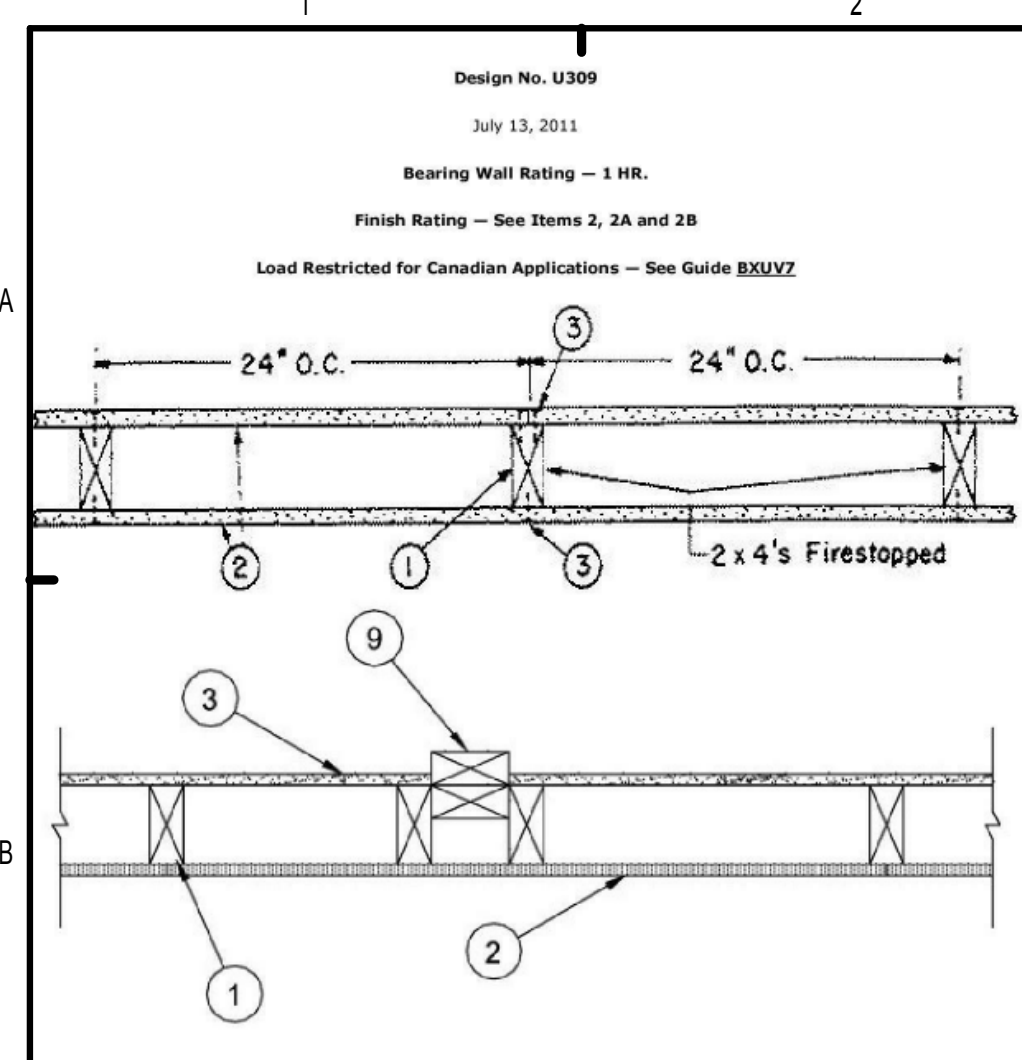
PARTITION TYPES

A0.06

Drawn: FZ
Checked: PF
Approval: PF
Date: 04/28/2013
Project #: 5166.400

PATRICK D. FITCH
LICENSE # 103195

C:\Documents and Settings\pfitz\Desktop\Revit
Project\5166-000\BRIDGEWAY APRTS_Cons\Broom.rvt PLOTTED: 6/4/2013 3:44:57 PM



Design No. U309
July 13, 2011

Bearing Wall Rating – 1 HR.
Finish Rating – See Items 2, 2A and 2B
Load Restricted for Canadian Applications – See Guide BXUVZ

1. **Wood Studs** – Nom 2 by 4 in., spaced 24 in. OC effectively firestopped.

2. **Gypsum Board*** – 5/8 in. thick, 4 ft wide, applied either horizontally or vertically, nailed to studs and bearing plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads spaced 7 in. OC. Finish Rating 27 Min. When used in widths other than 48 in., gypsum board to be installed horizontally.

When Steel Framing Members* (Item 5) are used, wallboard attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 12 in. OC.

When Item 6, resilient channels are used, 5/8 in. thick, 4 ft wide applied vertically. Screw attached furring channels with 1 in. long, self-drilling, self-tapping Type 5 or S-12 steel screws spaced 6 in. OC, vertical joints located midway between studs.

AMERICAN GYPSUM CO – Types AGK-1, H-Glass, AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO – Type DBK-1

CERTAINTED GYPSUM INC – Types EGRG, GlasRoc, or ProLoc Type C

CERTAINTED GYPSUM CANADA INC – ProLoc Type C

GEORGIA-PACIFIC GYPSUM L L C – Types 5, 6, 9, C, DAP, DD, DA, DPC, DDC, DP, DPF6

LAFARGE NORTH AMERICA INC – Types LGFC-C, LGFC-C, LGFC2A, LGFC3A, LGFC-CA, LGFC-VD

NATIONAL GYPSUM CO – Types FSK-C, FSW, FSW-5, FSW-C, FSW-G, FSW-H, FSW-I (Finish rating 20 min)

PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM – Type C, PG-9, PG-11 or PG-C

PANEL REY SA – Types PRK, RHK, MDX, ETX

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD – Type EX-1

TEMPLE-INLAND – Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, TG-C

2A. **Wall and Partition Facings and Accessories*** – (As an alternate to Item 2) – Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type IP-48 (Finish rating 24 min), Type IP-41 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type SCX (Finish rating 24 min), Type SHX (Finish rating 24 min), Type WRX (Finish rating 24 min), Type WXX (Finish rating 24 min).

2B. **Wall and Partition Facings and Accessories*** – (As an alternate to Item 2) – Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type IP-48 (Finish rating 24 min), Type IP-41 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type SCX (Finish rating 24 min), Type SHX (Finish rating 24 min), Type WRX (Finish rating 24 min), Type WXX (Finish rating 24 min).

2C. **Wall and Partition Facings and Accessories*** – (As an alternate to Item 2) – Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type IP-48 (Finish rating 24 min), Type IP-41 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type SCX (Finish rating 24 min), Type SHX (Finish rating 24 min), Type WRX (Finish rating 24 min), Type WXX (Finish rating 24 min).

2D. **Wall and Partition Facings and Accessories*** – (As an alternate to Item 2) – Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type IP-48 (Finish rating 24 min), Type IP-41 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type SCX (Finish rating 24 min), Type SHX (Finish rating 24 min), Type WRX (Finish rating 24 min), Type WXX (Finish rating 24 min).

2E. **Wall and Partition Facings and Accessories*** – (As an alternate to Item 2) – Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type IP-48 (Finish rating 24 min), Type IP-41 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type SCX (Finish rating 24 min), Type SHX (Finish rating 24 min), Type WRX (Finish rating 24 min), Type WXX (Finish rating 24 min).

2F. **Wall and Partition Facings and Accessories*** – (As an alternate to Item 2) – Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type IP-48 (Finish rating 24 min), Type IP-41 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type SCX (Finish rating 24 min), Type SHX (Finish rating 24 min), Type WRX (Finish rating 24 min), Type WXX (Finish rating 24 min).

2G. **Wall and Partition Facings and Accessories*** – (As an alternate to Item 2) – Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type IP-48 (Finish rating 24 min), Type IP-41 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type SCX (Finish rating 24 min), Type SHX (Finish rating 24 min), Type WRX (Finish rating 24 min), Type WXX (Finish rating 24 min).

2H. **Wall and Partition Facings and Accessories*** – (As an alternate to Item 2) – Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type IP-48 (Finish rating 24 min), Type IP-41 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type SCX (Finish rating 24 min), Type SHX (Finish rating 24 min), Type WRX (Finish rating 24 min), Type WXX (Finish rating 24 min).

3. **Joints and Nailheads** – Wallboard joints covered with paper tape and joint compound. Nailheads covered with joint compound. Gypsum plaster not more than 1/8 in. thick may be applied over the wallboard in addition to the specified joint treatment.

4. **Batts and Blankets*** – (Not Shown) – Optional glass fiber insulation.

CERTAINTED CORP

JOHNS MANVILLE INTERNATIONAL INC

OWENS CORNING

4A. **Fiber, Sprayed*** – As an alternate to Batts and Blankets (Item 4) – Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Normal dry density of 3.0 lbs/ft³. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Normal dry density of 2.5 lbs/ft³.

U S GREENFIBER L L C – Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

4B. **Fiber, Sprayed*** – As an alternate to Batts and Blankets (Item 4) and Item 4A – Spray applied cellulose insulation material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC – Cellulose Insulation

4C. **Batts and Blankets*** – Required for use with resilient channels, Item 6, 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 4 in. face of the studs with staples placed 24 in. OC.

THERMAFIBER INC – Type SAFB

4D. **Glass Fiber Insulation** – (As an alternate to Item 4C) – 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to fill the interior of the wall, attached to the 4 in. face of the studs with staples placed 24 in. OC. See **Batts and Blankets** (BKIV or B222) Categories for names of Classified companies.

4E. **Batts and Blankets*** – Required for use with Wall and Partition Facings and Accessories, Item 2A) – Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 per, with a flame spread of 25 or less and a smoke developed of 50 or less. Friction-fitted to completely fill the stud cavities. See **Batts and Blankets** Category (BKIV) for names of manufacturers.

4F. **Fiber, Sprayed*** – As an alternate to Batts and Blankets (Item 4) – Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.

INTERNATIONAL CELLULOSE CORP – Cellar-BL

5. **Steel Framing Members (Optional, Not Shown)*** – Furring channels and Steel Framing Members as described below:

a. **Furring Channels** – Formed of No. 25 HSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels are overlapped 6 in. and fast together with double strand of No. 18 SWG galv steel wire near each end of overlap. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members*** – Used to attach furring channels (Item 6a) to one side of studs only. Clips spaced 48 in. OC, and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.

KINETICS NOISE CONTROL INC – Type IsoMax.

6. **Steel Framing Members (Optional, Not Shown)*** – Furring channels and Steel Framing Members as described below:

a. **Furring Channels** – Formed of No. 25 HSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels are overlapped 6 in. and fast together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members*** – Used to attach furring channels (Item 6a) to one side of studs only. Clips spaced 48 in. OC, and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.

PLETEG INC – Type Genie Cup

7. **Furring Channel** – Optional - Not Shown - For use on one side of the wall - Resilient channels, 25 HSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Items 4C or 4D is required.

8. **CaULKing and Sealants** – (not shown, optional) A bead of acoustical sealant applied around the partition perimeter for sound control.

9. **STC Rating** – The STC Rating of the wall assembly is 56 when it is constructed as described by Items 1 through 6, except:

A. Item 2, above - Nailheads Shall be covered with joint compound.

B. Item 2, above - Joints As described, shall be covered with fiber tape and joint compound.

C. Item 5, above - Batts and Blankets: The cavities formed by the studs shall be friction fit with R-19 unfaced fiberglass insulation batts measuring 16 1/4 in. thick and 15 3/4 in. wide.

D. Item 6, above - Steel Framing Members* Type RSC-1 clips shall be used to attach gypsum board to studs on either side of the wall assembly.

E. Item 6, above - CaULKing and Sealants (not shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound control.

F. Steel Corner Fasteners (Item 4), Fiber, Sprayed (Items SA and SB) and Steel Framing Members (Item 6A), not evaluated as alternatives for obtaining STC Rating.

10. **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. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

SERIOUS ENERGY INC – Type QuietRock QR-510.

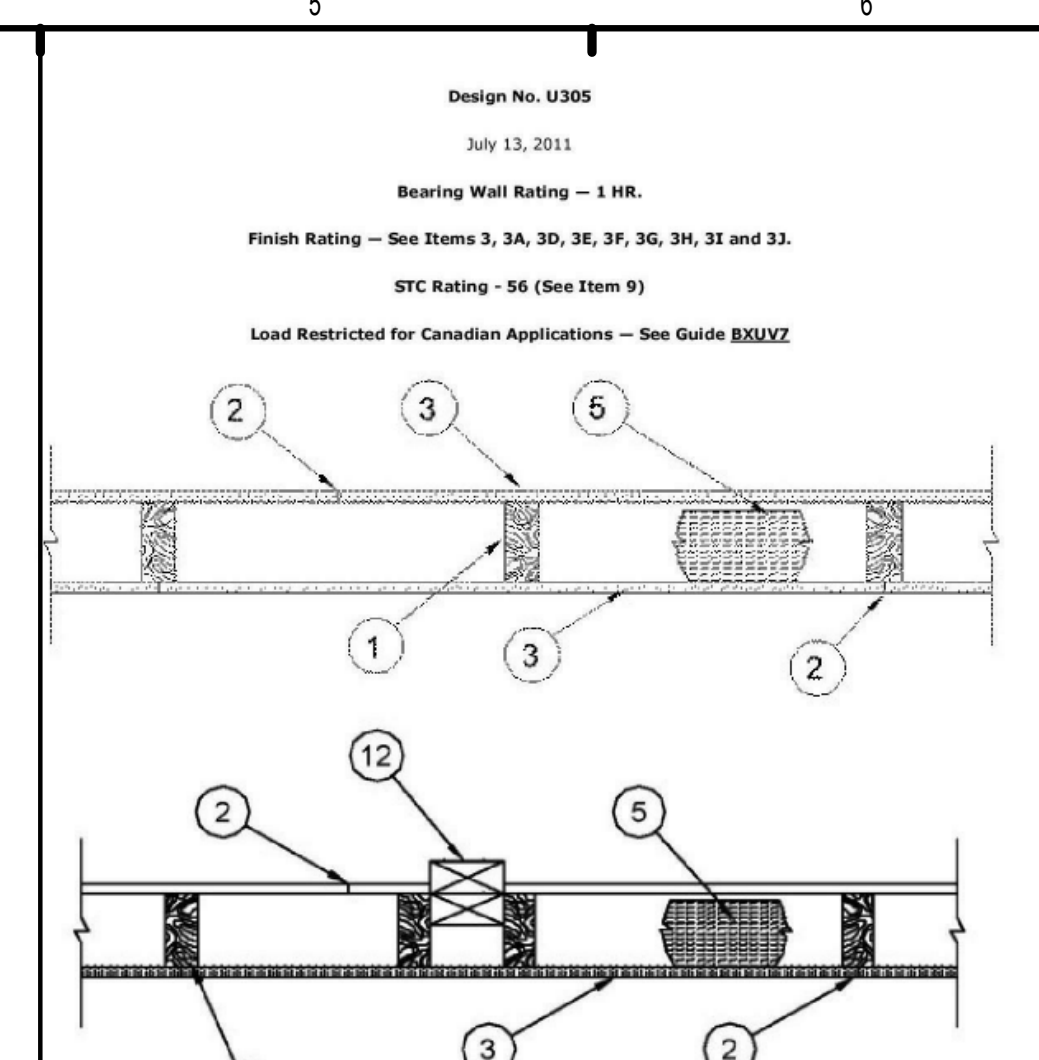
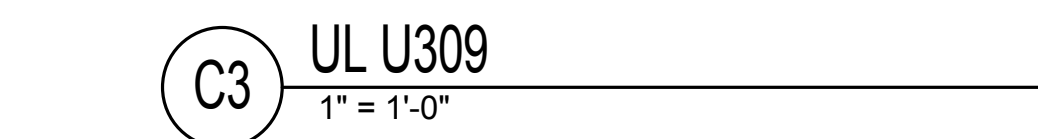
11. **Consentitious Backer Units*** – (Optional Item Not Shown - For Use On Face Of 1 Hr Systems With All Standard Items Required) – 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide - Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

NATIONAL GYPSUM CO – Type PermaBase

12. **Non-Bearing Wall Partition Intersection** – (Optional) Two nominal 2 by 4 in. studs or nominal 2 by 6 in. stud nailed together with two 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

*Bearing the UL Classification Mark

Last Updated on 2011-07-13



Design No. U305
July 13, 2011

Bearing Wall Rating – 1 HR.
Finish Rating – See Items 3, 3A, 3D, 3E, 3F, 3G, 3H, 3I and 3J.
STC Rating – 56 (See Item 9)
Load Restricted for Canadian Applications – See Guide BXUVZ

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. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/2 in. thick gypsum veneer plaster may be applied to the entire surface of classified veneer baseboard with the joints reinforced with paper tape. Nailheads exposed or covered with joint compound.

3. **Gypsum Board*** – 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.025 in., placed on the face of studs and attached to the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.025 in. thick, compression fitted or adhered over the screw heads. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-C-2011, Grade C.

When Item 6, **Steel Framing Members***, is used, gypsum panels attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 12 in. OC.

When Item 6A, **Steel Framing Members***, is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1-5/8 in. long Type 5 bugle-head steel screws spaced 12 in. OC. All joints in face layers staggered with joints in base layers. One layer of gypsum board attached to opposite side of wood stud without furring channels as described in Item 3.

When Item 6B, **Steel Framing Members***, is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1-5/8 in. long Type 5 bugle-head steel screws spaced 12 in. OC. All joints in face layers staggered with joints in base layer a minimum of 16 in. Joints oriented vertically and base layer staggered on opposite side of the assembly. One layer of gypsum board attached to opposite side of wood stud without furring channels as described in Item 3.

When Item 7, resilient channels are used, 5/8 in. thick, 4 ft wide gypsum panels applied vertically. Screw attached furring channels with 1 in. long, self-drilling, self-tapping Type 5 or S-12 steel screws spaced 6 in. OC, vertical joints located midway between studs.

AMERICAN GYPSUM CO – Types AGK-1 (Finish rating 23 min.), H-Glass (Finish rating 23 min.), Type AGX-11 (Finish rating 20 min) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO – Type DBK-1 (Finish rating 24 min).

CERTAINTED GYPSUM INC – Type 1, Type SF3 (Finish rating 20 min) or FRPC, ProLoc Type C or ProLoc Type X (Finish rating 26 min), Type EGRG or GlasRoc (Finish rating 26 min)

CERTAINTED GYPSUM CANADA INC – ProLoc Type C, ProLoc Type X or ProLoc Type Abuse-Resistant (Finish rating 20 min)

CCIC INC – Type AR (Finish rating 24 min), Type C (Finish rating 24 min), Type IP-AR (Finish rating 24 min), Type IP-AR (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type SCX (Finish rating 24 min), Type SHX (Finish rating 24 min), Type WRX (Finish rating 24 min), Type WXX (Finish rating 24 min).

GEORGIA-PACIFIC GYPSUM L L C – Type 5 (Finish rating 26 min), Type 6 (Finish rating 23 min), Type 9 (Finish rating 20 min), Type DGS (Finish rating 26 min), Type GPC (Finish rating 20 min), Type GPC2 (Finish rating 20 min), Type GPC3 (Finish rating 20 min), Type GPC4 (Finish rating 20 min), Type GPC5 (Finish rating 20 min), Type GPC6 (Finish rating 20 min), Type GPC7 (Finish rating 20 min), Type GPC8 (Finish rating 20 min), Type GPC9 (Finish rating 20 min), Type GPC10 (Finish rating 20 min), Type GPC11 (Finish rating 20 min), Type GPC12 (Finish rating 20 min), Type GPC13 (Finish rating 20 min), Type GPC14 (Finish rating 20 min), Type GPC15 (Finish rating 20 min), Type GPC16 (Finish rating 20 min), Type GPC17 (Finish rating 20 min), Type GPC18 (Finish rating 20 min), Type GPC19 (Finish rating 20 min), Type GPC20 (Finish rating 20 min), Type GPC21 (Finish rating 20 min), Type GPC22 (Finish rating 20 min), Type GPC23 (Finish rating 20 min), Type GPC24 (Finish rating 20 min), Type GPC25 (Finish rating 20 min), Type GPC26 (Finish rating 20 min), Type GPC27 (Finish rating 20 min), Type GPC28 (Finish rating 20 min), Type GPC29 (Finish rating 20 min), Type GPC30 (Finish rating 20 min), Type GPC31 (Finish rating 20 min), Type GPC32 (Finish rating 20 min), Type GPC33 (Finish rating 20 min), Type GPC34 (Finish rating 20 min), Type GPC35 (Finish rating 20 min), Type GPC36 (Finish rating 20 min), Type GPC37 (Finish rating 20 min), Type GPC38 (Finish rating 20 min), Type GPC39 (Finish rating 20 min), Type GPC40 (Finish rating 20 min), Type GPC41 (Finish rating 20 min), Type GPC42 (Finish rating 20 min), Type GPC43 (Finish rating 20 min), Type GPC44 (Finish rating 20 min), Type GPC45 (Finish rating 20 min), Type GPC46 (Finish rating 20 min), Type GPC47 (Finish rating 20 min), Type GPC48 (Finish rating 20 min), Type GPC49 (Finish rating 20 min), Type GPC50 (Finish rating 20 min), Type GPC51 (Finish rating 20 min), Type GPC52 (Finish rating 20 min), Type GPC53 (Finish rating 20 min), Type GPC54 (Finish rating 20 min), Type GPC55 (Finish rating 20 min), Type GPC56 (Finish rating 20 min), Type GPC57 (Finish rating 20 min), Type GPC58 (Finish rating 20 min), Type GPC59 (Finish rating 20 min), Type GPC60 (Finish rating 20 min), Type GPC61 (Finish rating 20 min), Type GPC62 (Finish rating 20 min), Type GPC63 (Finish rating 20 min), Type GPC64 (Finish rating 20 min), Type GPC65 (Finish rating 20 min), Type GPC66 (Finish rating 20 min), Type GPC67 (Finish rating 20 min), Type GPC68 (Finish rating 20 min), Type GPC69 (Finish rating 20 min), Type GPC70 (Finish rating 20 min), Type GPC71 (Finish rating 20 min), Type GPC72 (Finish rating 20 min), Type GPC73 (Finish rating 20 min), Type GPC74 (Finish rating 20 min), Type GPC75 (Finish rating 20 min), Type GPC76 (Finish rating 20 min), Type GPC77 (Finish rating 20 min), Type GPC78 (Finish rating 20 min), Type GPC79 (Finish rating 20 min), Type GPC80 (Finish rating 20 min), Type GPC81 (Finish rating 20 min), Type GPC82 (Finish rating 20 min), Type GPC83 (Finish rating 20 min), Type GPC84 (Finish rating 20 min), Type GPC85 (Finish rating 20 min), Type GPC86 (Finish rating 20 min), Type GPC87 (Finish rating 20 min), Type GPC88 (Finish rating 20 min), Type GPC89 (Finish rating 20 min), Type GPC90 (Finish rating 20 min), Type GPC91 (Finish rating 20 min), Type GPC92 (Finish rating 20 min), Type GPC93 (Finish rating 20 min), Type GPC94 (Finish rating 20 min), Type GPC95 (Finish rating 20 min), Type GPC96 (Finish rating 20 min), Type GPC97 (Finish rating 20 min), Type GPC98 (Finish rating 20 min), Type GPC99 (Finish rating 20 min), Type GPC100 (Finish rating 20 min).

LAFARGE NORTH AMERICA INC – Type LGFC2 (Finish rating 20 min), Type LGFC3 (Finish rating 20 min), Type LGFC4 (Finish rating 20 min), Type LGFC5 (Finish rating 20 min), Type LGFC6 (Finish rating 20 min), Type LGFC7 (Finish rating 20 min), Type LGFC8 (Finish rating 20 min), Type LGFC9 (Finish rating 20 min), Type LGFC10 (Finish rating 20 min), Type LGFC11 (Finish rating 20 min), Type LGFC12 (Finish rating 20 min), Type LGFC13 (Finish rating 20 min), Type LGFC14 (Finish rating 20 min), Type LGFC15 (Finish rating 20 min), Type LGFC16 (Finish rating 20 min), Type LGFC17 (Finish rating 20 min), Type LGFC18 (Finish rating 20 min), Type LGFC19 (Finish rating 20 min), Type LGFC20 (Finish rating 20 min), Type LGFC21 (Finish rating 20 min), Type LGFC22 (Finish rating 20 min), Type LGFC23 (Finish rating 20 min), Type LGFC24 (Finish rating 20 min), Type LGFC25 (Finish rating 20 min), Type LGFC26 (Finish rating 20 min), Type LGFC27 (Finish rating 20 min), Type LGFC28 (Finish rating 20 min), Type LGFC29 (Finish rating 20 min), Type LGFC30 (Finish rating 20 min), Type LGFC31 (Finish rating 20 min), Type LGFC32 (Finish rating 20 min), Type LGFC33 (Finish rating 20 min), Type LGFC34 (Finish rating 20 min), Type LGFC35 (Finish rating 20 min), Type LGFC36 (Finish rating 20 min), Type LGFC37 (Finish rating 20 min), Type LGFC38 (Finish rating 20 min), Type LGFC39 (Finish rating 20 min), Type LGFC40 (Finish rating 20 min), Type LGFC41 (Finish rating 20 min), Type LGFC42 (Finish rating 20 min), Type LGFC43 (Finish rating 20 min), Type LGFC44 (Finish rating 20 min), Type LGFC45 (Finish rating 20 min), Type LGFC46 (Finish rating 20 min), Type LGFC47 (Finish rating 20 min), Type LGFC48 (Finish rating 20 min), Type LGFC49 (Finish rating 20 min), Type LGFC50 (Finish rating 20 min), Type LGFC51 (Finish rating 20 min), Type LGFC52 (Finish rating 20 min), Type LGFC53 (Finish rating 20 min), Type LGFC54 (Finish rating 20 min), Type LGFC55 (Finish rating 20 min), Type LGFC56 (Finish rating 20 min), Type LGFC57 (Finish rating 20 min), Type LGFC58 (Finish rating 20 min), Type LGFC59 (Finish rating 20 min), Type LGFC60 (Finish rating 20 min), Type LGFC61 (Finish rating 20 min), Type LGFC62 (Finish rating 20 min), Type LGFC63 (Finish rating 20 min), Type LGFC64 (Finish rating 20 min), Type LGFC65 (Finish rating 20 min), Type LGFC66 (Finish rating 20 min), Type LGFC67 (Finish rating 20 min), Type LGFC68 (Finish rating 20 min), Type LGFC69 (Finish rating 20 min), Type LGFC70 (Finish rating 20 min), Type LGFC71 (Finish rating 20 min), Type LGFC72 (Finish rating 20 min), Type LGFC73 (Finish rating 20 min), Type LGFC74 (Finish rating 20 min), Type LGFC75 (Finish rating 20 min), Type LGFC76 (Finish rating 20 min), Type LGFC77 (Finish rating 20 min), Type LGFC78 (Finish rating 20 min), Type LGFC79 (Finish rating 20 min), Type LGFC80 (Finish rating 20 min), Type LGFC81 (Finish rating 20 min), Type LGFC82 (Finish rating 20 min), Type LGFC83 (Finish rating 20 min), Type LGFC84 (Finish rating 20 min), Type LGFC85 (Finish rating 20 min), Type LGFC86 (Finish rating 20 min), Type LGFC87 (Finish rating 20 min), Type LGFC88 (Finish rating 20 min), Type LGFC89 (Finish rating 20 min), Type LGFC90 (Finish rating 20 min), Type LGFC91 (Finish rating 20 min), Type LGFC92 (Finish rating 20 min), Type LGFC93 (Finish rating 20 min), Type LGFC94 (Finish rating 20 min), Type LGFC95 (Finish rating 20 min), Type LGFC96 (Finish rating 20 min), Type LGFC97 (Finish rating 20 min), Type LGFC98 (Finish rating 20 min), Type LGFC99 (Finish rating 20 min), Type LGFC100 (Finish rating 20 min).

NATIONAL GYPSUM CO – Type FSK (Finish rating 20 min), Type FSK-C (Finish rating 20 min), Type FSK-5 (Finish rating 20 min), Type FSK-6 (Finish rating 20 min), Type FSK-7 (Finish rating 20 min), Type FSK-8 (Finish rating 20 min), Type FSK-9 (Finish rating 20 min), Type FSK-10 (Finish rating 20 min), Type FSK-11 (Finish rating 20 min), Type FSK-12 (Finish rating 20 min), Type FSK-13 (Finish rating 20 min), Type FSK-14 (Finish rating 20 min), Type FSK-15 (Finish rating 20 min), Type FSK-16 (Finish rating 20 min), Type FSK-17 (Finish rating 20 min), Type FSK-18 (Finish rating 20 min), Type FSK-19 (Finish rating 20 min), Type FSK-20 (Finish rating 20 min), Type FSK-21 (Finish rating 20 min), Type FSK-22 (Finish rating 20 min), Type FSK-23 (Finish rating 20 min), Type FSK-24 (Finish rating 20 min), Type FSK-25 (Finish rating 20 min), Type FSK-26 (Finish rating 20 min), Type FSK-27 (Finish rating 20 min), Type FSK-28 (Finish rating 20 min), Type FSK-29 (Finish rating 20 min), Type FSK-30 (Finish rating 20 min), Type FSK-31 (Finish rating 20 min), Type FSK-32 (Finish rating 20 min), Type FSK-33 (Finish rating 20 min), Type FSK-34 (Finish rating 20 min), Type FSK-35 (Finish rating 20 min), Type FSK-36 (Finish rating 20 min), Type FSK-37 (Finish rating 20 min), Type FSK-38 (Finish rating 20 min), Type FSK-39 (Finish rating 20 min), Type FSK-40 (Finish rating 20 min), Type FSK-41 (Finish rating 20 min), Type FSK-42 (Finish rating 20 min), Type FSK-43 (Finish rating 20 min), Type FSK-44 (Finish rating 20 min), Type FSK-45 (Finish rating 20 min), Type FSK-46 (Finish rating 20 min), Type FSK-47 (Finish rating 20 min), Type FSK-48 (Finish rating 20 min), Type FSK-49 (Finish rating 20 min), Type FSK-50 (Finish rating 20 min), Type FSK-51 (Finish rating 20 min), Type FSK-52 (Finish rating 20 min), Type FSK-53 (Finish rating 20 min), Type FSK-54 (Finish rating 20 min), Type FSK-55 (Finish rating 20 min), Type FSK-56 (Finish rating 20 min), Type FSK-57 (Finish rating 20 min), Type FSK-58 (Finish rating 20 min), Type FSK-59 (Finish rating 20 min), Type FSK-60 (Finish rating 20 min), Type FSK-61 (Finish rating 20 min), Type FSK-62 (Finish rating 20 min), Type FSK-63 (Finish rating 20 min), Type FSK-64 (Finish rating 20 min), Type FSK-65 (Finish rating 20 min), Type FSK-66 (Finish rating 20 min), Type FSK-67 (Finish rating 20 min), Type FSK-68 (Finish rating 20 min), Type FSK-69 (Finish rating 20 min), Type FSK-70 (Finish rating 20 min), Type FSK-71 (Finish rating 20 min), Type FSK-72 (Finish rating 20 min), Type FSK-73 (Finish rating 20 min), Type FSK-74 (Finish rating 20 min), Type FSK-75 (Finish rating 20 min), Type FSK-76 (Finish rating 20 min), Type FSK-77 (Finish rating 20 min), Type FSK-78 (Finish rating 20 min), Type FSK-79 (Finish rating 20 min), Type FSK-80 (Finish rating 20 min), Type FSK-81 (Finish rating 20 min), Type FSK-82 (Finish rating 20 min), Type FSK-83 (Finish rating 20 min), Type FSK-84 (Finish rating 20 min), Type FSK-85 (Finish rating 20 min), Type FSK-86 (Finish rating 20 min), Type FSK-87 (Finish rating 20 min), Type FSK-88 (Finish rating 20 min), Type FSK-89 (Finish rating 20 min), Type FSK-90 (Finish rating 20 min), Type FSK-91 (Finish rating 20 min), Type FSK-92 (Finish rating 20 min), Type FSK-93 (Finish rating 20 min), Type FSK-94 (Finish rating 20 min), Type FSK-95 (Finish rating 20 min), Type FSK-96 (Finish rating 20 min), Type FSK-97 (Finish rating 20 min), Type FSK-98 (Finish rating 20 min), Type FSK-99 (Finish rating 20 min), Type FSK-100 (Finish rating 20 min).

AMERICAN GYPSUM CO – Types AGK-1 (Finish rating 23 min.), H-Glass (Finish rating 23 min.), Type AGX-11 (Finish rating 20 min) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO – Type DBK-1 (Finish rating 24 min).

CERTAINTED GYPSUM INC – Type 1, Type SF3 (Finish rating 20 min) or FRPC, ProLoc Type C or ProLoc Type X (Finish rating 26 min), Type EGRG or GlasRoc (Finish rating 26 min)

CERTAINTED GYPSUM CANADA INC – ProLoc Type C, ProLoc Type X or ProLoc Type Abuse-Resistant (Finish rating 20 min)

CCIC INC – Type AR (Finish rating 24 min), Type C (Finish rating 24 min), Type IP-AR (Finish rating 24 min), Type IP-AR (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type IP-32 (Finish rating 24 min), Type SCX (Finish rating 24 min), Type SHX (Finish rating 24 min), Type WRX (Finish rating 24 min), Type WXX (Finish rating 24 min).

GEORGIA-PACIFIC GYPSUM L L C – Type 5 (Finish rating 26 min), Type 6 (Finish rating 23 min), Type 9 (Finish rating 20 min), Type DGS (Finish rating 26 min), Type GPC (Finish rating 20 min), Type GPC2 (Finish rating 20 min), Type GPC3 (Finish rating 20 min), Type GPC4 (Finish rating 20 min), Type GPC5 (Finish rating 20 min), Type GPC6 (Finish rating 20 min), Type GPC7 (Finish rating 20 min), Type GPC8 (Finish rating 20 min), Type GPC9 (Finish rating 20 min), Type GPC10 (Finish rating 20 min), Type GPC11 (Finish rating 20 min), Type GPC12 (Finish rating 20 min), Type GPC13 (Finish rating 20 min), Type GPC14 (Finish rating 20 min), Type GPC15 (Finish rating 20 min), Type GPC16 (Finish rating 20 min), Type GPC17 (Finish rating 20 min), Type GPC18 (Finish rating 20 min), Type GPC19 (Finish rating 20 min), Type GPC20 (Finish rating 20 min), Type GPC21 (Finish rating 20 min), Type GPC22 (Finish rating 20 min), Type GPC23 (Finish rating 20 min), Type GPC24 (Finish rating 20 min), Type GPC25 (Finish rating 20 min), Type GPC26 (Finish rating 20 min), Type GPC27 (Finish rating 20 min), Type GPC28 (Finish rating 20 min), Type GPC29 (Finish rating 20 min), Type GPC30 (Finish rating 20 min), Type GPC31 (Finish rating 20 min), Type GPC32 (Finish rating 20 min), Type GPC33 (Finish rating 20 min), Type GPC34 (Finish rating 20 min), Type GPC35 (Finish rating 20 min), Type GPC36 (Finish rating 20 min), Type GPC37 (Finish rating 20 min), Type GPC38 (Finish rating 20 min), Type GPC39 (Finish rating 20 min), Type GPC40 (Finish rating 20 min), Type GPC41 (Finish rating 20 min), Type GPC42 (Finish rating 20 min), Type GPC43 (Finish rating 20 min), Type GPC44 (Finish rating 20 min), Type GPC45 (Finish rating 20 min), Type GPC46 (Finish rating 20 min), Type GPC47 (Finish rating 20 min), Type GPC48 (Finish rating 20 min), Type GPC49 (Finish rating 20 min), Type GPC50 (Finish rating 20 min), Type GPC51 (Finish rating 20 min), Type GPC52 (Finish rating 20 min), Type GPC53 (Finish rating 20 min), Type GPC54 (Finish rating 20 min), Type GPC55 (Finish rating 20 min), Type GPC56 (Finish rating 20 min), Type GPC57 (Finish rating 20 min), Type GPC58 (Finish rating 20 min), Type GPC59 (Finish rating 20 min), Type GPC60 (Finish rating 20 min), Type GPC61 (Finish rating 20 min), Type GPC62 (Finish rating 20 min), Type GPC63 (Finish rating 20 min), Type GPC64 (Finish rating 20 min), Type GPC65 (Finish rating 20 min), Type GPC66 (Finish rating 20 min), Type GPC67 (Finish rating 20 min), Type GPC68 (Finish rating 20 min), Type GPC69 (Finish rating 20 min), Type GPC70 (Finish rating 20 min), Type GPC71 (Finish rating 20 min), Type GPC72 (Finish rating 20 min), Type GPC73 (Finish rating 20 min), Type GPC74 (Finish rating 20 min), Type GPC75 (Finish rating 20 min), Type GPC76 (Finish rating 20 min), Type GPC77 (Finish rating 20 min), Type GPC78 (Finish rating 20 min), Type GPC79 (Finish rating 20 min), Type GPC80 (Finish rating 20 min), Type GPC81 (Finish rating 20 min), Type GPC82 (Finish rating 20 min), Type GPC83 (Finish rating 20 min), Type GPC84 (Finish rating 20 min), Type GPC85 (Finish rating 20 min), Type GPC86 (Finish rating 20 min), Type GPC87 (Finish rating 20 min), Type GPC88 (Finish rating 20 min), Type GPC89 (Finish rating 20 min), Type GPC90 (Finish rating 20 min), Type GPC91 (Finish rating 20 min), Type GPC92 (Finish rating 20 min), Type GPC93 (Finish rating 20 min), Type GPC94 (Finish rating 20 min), Type GPC95 (Finish rating 20 min), Type GPC96 (Finish rating 20 min), Type GPC97 (Finish rating 20 min), Type GPC98 (Finish rating 20 min), Type GPC99 (Finish rating 20 min), Type GPC100 (Finish rating 20 min).

LAFARGE NORTH AMERICA INC – Type LGFC2 (Finish rating 20 min), Type LGFC3 (Finish rating 20 min), Type LGFC4 (Finish rating 20 min), Type LGFC5 (Finish rating 20 min), Type LGFC6 (Finish rating 20 min), Type LGFC7 (Finish rating 20 min), Type LGFC8 (Finish rating 20 min), Type LGFC9 (Finish rating 20 min), Type LGFC10 (Finish rating 20 min), Type LGFC11 (Finish rating 20 min), Type LGFC12 (Finish rating 20 min), Type LGFC13 (Finish rating 20 min), Type LGFC14 (Finish rating 20 min), Type LGFC15 (Finish rating 20 min), Type LGFC16 (Finish rating 20 min), Type LGFC17 (Finish rating 20 min), Type LGFC18 (Finish rating 20 min), Type LGFC19 (Finish rating 20 min), Type LGFC20 (Finish rating 20 min), Type LGFC21 (Finish rating 20 min), Type LGFC22 (Finish rating 20 min), Type LGFC23 (Finish rating 20 min), Type LGFC24 (Finish rating 20 min), Type LGFC25 (Finish rating 20 min), Type LGFC26 (Finish rating 20 min), Type LGFC27 (Finish rating 20 min), Type LGFC28 (Finish rating 20 min), Type LGFC29 (Finish rating 20 min), Type LGFC30 (Finish rating 20 min), Type LGFC31 (Finish rating 20 min), Type LGFC32 (Finish rating 20 min), Type LGFC33 (Finish rating 20 min), Type LGFC34 (Finish rating 20 min), Type LGFC35 (Finish rating 20 min), Type LGFC36 (Finish rating 20 min), Type LGFC37 (Finish rating 20 min), Type LGFC38 (Finish rating 20 min), Type LGFC39 (Finish rating 20 min), Type LGFC40 (Finish rating 20 min), Type LGFC41 (Finish rating 20 min), Type LGFC42 (Finish rating 20 min), Type LGFC43 (Finish rating 20 min), Type LGFC44 (Finish rating 20 min), Type LGFC45 (Finish rating 20 min), Type LGFC46 (Finish rating 20 min), Type LGFC47 (Finish rating 20 min), Type LGFC48 (Finish rating 20 min), Type LGFC49 (Finish rating 20 min), Type LGFC50 (Finish rating 20 min), Type LGFC51 (Finish rating 20 min), Type LGFC52 (Finish rating 2

Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U356
March 11, 2011

(Exposed to Fire on Interior Face Only)

Bearing Wall Rating - 1 Hr
Finish Rating - 23 Min or 25 Min (See Item 2)
Load Restricted for Canadian Applications - See Guide B300Z

HORIZONTAL SECTION

FIRE SIDE

1. **Wood Studs** - Nom 2 by 4 in. spaced 16 in. OC with two 2 by 4 in. top and one 2 by 4 in. bottom plates. Studs laterally braced by wood structural panel sheathing (Item 5). When Mineral and Fiber Boards* (Item 5A) are considered as framing for the studs, the load is restricted to 70% of allowable stud load. Walls effectively fire stopped at top and bottom of wall.

2. **Gypsum Board*** - Any Classified 5/8 in. thick, 4 ft wide, applied vertically and nailed to studs and bearing plates 7 in. OC with 6d cement-coated nails, 1-7/8 in. long with 1/4 in. diam. head.

When Item 7b, **Steel Framing Members*** is used, gypsum panels attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 12 in. OC.

When Item 7a, **Steel Framing Members*** is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1/2 in. long Type 5 bugle-head steel screws spaced 12 in. OC. All joints in face layers staggered with joints in base layers.

See Gypsum Board* (CCKX) Category for names of Classified Companies.

2A. **Gypsum Board*** - (As an alternate to Item 2, not shown) - Any 5/8 in. thick, 4 ft wide gypsum panels applied vertically and attached to studs and bearing plates below shown Gypsum Board* (CCKX) category. Applied vertically and attached to studs and bearing plates with 1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.

CGC INC
UNITED STATES GYPSUM CO
USE MEXICO S A DE CV

2B. **Gypsum Board*** - (As an alternate to Item 2, not shown) - 5/8 in. thick, 4 ft wide gypsum panels applied vertically and attached to studs and bearing plates with 1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.

AMERICAN GYPSUM CO - Types ADX-1, H-Glass, AG-C

CERTAINTED GYPSUM INC - ProFlo Type C or ProFlo Type X

CERTAINTED GYPSUM CANADA INC - ProFlo Type C or ProFlo Type X

PARCO BUILDING PRODUCTS L L C, DBA
PARCO GYPSUM - Type PG-11

TEMPLE-INLAND - Types X, Veneer Plaster Base-Type X, Water-Rated-Type X, Sheathing-Type X, Soft-Type X, Type X ComfortGuard Sound Densifying Gypsum Board.

2C. **Gypsum Board*** - (As an alternate to Item 2, not shown) - For use with Item 5A only - 5/8 in. thick, 4 ft wide gypsum panels applied horizontally and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. Finish Rating is 25 min.

PARCO BUILDING PRODUCTS L L C, DBA
PARCO GYPSUM - Type PG-11

TEMPLE-INLAND - Type X, Veneer Plaster Base-Type X, Water-Rated-Type X, Sheathing-Type X, Soft-Type X

2D. **Gypsum Board*** - (As an alternate to Item 2) - Not to be used with Item 7, 5/8 in. thick, 4 ft wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

NATIONAL GYPSUM CO - Soundbreak XP Type X Gypsum Board

2E. **Wall and Partition Facings and Accessories*** - (As an alternate to Item 2) - Nominal 5/8 in. thick, 4 ft wide panels, installed as described in Item 2.

SERIOUS MATERIALS INC - Type Quietlock ES, Type Quietlock QR-527.

2F. **Gypsum Board*** - (As an alternate to Item 2) - Not to be used with Item 7, 5/8 in. thick, 4 ft wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

CERTAINTED GYPSUM INC - Type SilentFX

3. **Joints and Nailheads** - (Not Shown) - Wallboard joints covered with tape and joint compound. Nail heads covered with joint compound.

4. **Batts and Blankets*** - Mineral fiber or glass fiber insulation, 3-1/2 in. thick, pressure fit to fill wall cavities between studs and plates. Mineral fiber insulation to be unfaced and to have a min density of 3 pcf. Glass fiber insulation to be faced with aluminum foil or kraft paper and to have a min density of 0.9 pcf (min 1-3 thermal insulation rating).

See **Batts and Blankets** (B232) Category in the Building Materials Directory and **Batts and Blankets** (B232) Category in the Fire Resistance Directory for names of Classified Companies.

4A. **Fiber, Spray*** - (As an alternate to Batts and Blankets (Item 4) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³. Alternate application method: The fiber is applied with U.S. Greenfibre LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 4.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft³.

U S GREENFIBER L L C - Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

4B. **Fiber, Spray*** - (As an alternate to Item 4 and 4A) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 4.58 lb/ft³.

NU-WOOL CO INC - Cellulose Insulation

4C. **Fiber, Spray*** - (As an alternate to Batts and Blankets (Item 4) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lb/ft³.

INTERNATIONAL CELLULOSE CORP - Cellulax-RL

5A. **Mineral and Fiber Boards*** - As an alternate to Item 5 - Min 1/2 in. thick, 4 ft wide sheathing, installed vertically to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 4 in. wood blocking. Attached to studs on exterior side of wall with 1-1/2 in. long galvanized roofing nails spaced 6 in. OC, perimeter of panels and 12 in. OC along interior studs.

TEMPLE-INLAND FOREST PRODUCTS CORP - Types Fiberglass or Quietbreak

6. **Exterior Facings** - Installed in accordance with the manufacturer's installation instructions. One of the following exterior facings is to be applied over the sheathing:

A. **Vinyl Siding - Molded Plastic*** - Contoured rigid vinyl siding having a flame spread area of 20 sq ft.

See **Molded Plastic** (B247) category in the Building Materials Directory for names of manufacturers.

B. **Particle Board Siding** - Hardboard exterior siding including patterned panel or lap siding.

C. **Wood Structural Panel or Lap Siding** - APA Rated Siding, Exterior, plywood, OSB or composite panels with veneer faces and structural wood cores, per PS-1 or APA Standard PS-108, including textured, rough sawn, medium density overlay, brushed, grooved and lap siding.

D. **Cementitious Stucco** - Portland cement or synthetic stucco systems with self-furring metal lath or adhesive base coat. Thickness from 3/8 to 3/4 in., depending on system.

E. **Brick Veneer** - Any type on nom 4 in. wide brick veneer. When brick veneer is used, the rating is applicable with exposure on either face. Brick veneer fastened with corrugated metal wall ties attached over sheathing to wood studs with 6d nail per tie. Ties spaced not more than each sixth course of brick and max 32 in. OC horizontally. One in. air space provided between brick veneer and sheathing.

F. **Exterior Insulation and Finish System (EIFS)** - Nom 1 in. Framed Plastic* insulation bearing the UL Classification Marking, attached over sheathing and finished with coating system, or finished cement or synthetic stucco systems, in accordance with manufacturer's instructions. See **Framed Plastic** (B3XX and CCVV) categories for names of Classified companies.

G. **Siding** - Aluminum or steel siding attached over sheathing to studs.

H. **Fiber-Cement Siding** - Fiber-cement exterior siding including smooth and patterned panel or lap siding.

7. **Steel Framing Members** - (Optional, Not Shown)* - Furring Channels and Steel Framing Members as described below:

a. **Furring Channels** - Formed of No. 25 HSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 3. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members*** - Used to attach furring channels (Item 7a) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC - Type RSS-C.

7A. **Steel Framing Members** (Optional, Not Shown)* - Furring channels and Steel Framing Members as described below:

a. **Furring Channels** - Formed of No. 25 HSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 3. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Two layers of gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members*** - Used to attach furring channels (Item 7a) to interior side of studs. Clips spaced 48 in. OC, and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the stud and each end of the clip. Furring channels are friction fitted into clips.

KINETICS NOISE CONTROL INC - Type IsoMax.

UL U356
1" = 1'-0" STC=50 MIN.

Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U441
March 11, 2011

Bearing Wall Rating - 1 Hr
Finish Rating - Min 30 min
Load Restricted for Canadian Applications - See Guide B300Z

HORIZONTAL SECTION

FIRE SIDE

1. **Wood Studs** - Nom 2 by 4 in. spaced 16 in. OC max. Cross braced at mid-height and effectively firestopped at top and bottom of wall. No air space between stud rows except for accommoda attachment of sheathing, where required. See Items 4 and 5.

2. **Gypsum Board*** - 5/8 in. thick, 4 ft wide. Gypsum board or lath applied horizontally or vertically, unless specified below, and nailed to studs and bearing plates 7 in. OC with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

When used in widths other than 48 in., gypsum board to be installed horizontally.

See Gypsum Board* (CCKX) Category for names of Classified Companies.

2A. **Wall and Partition Facings and Accessories*** - (As an alternate to Item 2, not shown) - Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type 5 screws spaced 12 in. OC at perimeter of panels and 3 in. OC in the field. Horizontal joints of vertically applied panels need not be backed by studs. Panel joints covered with paper tape and two layers of joint compound. Someboards covered with two layers of joint compound. Batts and Blankets placed in stud cavity as described in Item 5C. Not evaluated for use with Steel Framing Members, Furring Channels or Fiber, Spray.

CGC INC
UNITED STATES GYPSUM CO
USE MEXICO S A DE CV

2B. **Gypsum Board*** - (As an alternate to Item 2, not shown) - 5/8 in. thick, 4 ft wide gypsum panels applied horizontally and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.

AMERICAN GYPSUM CO - Types ADX-1, H-Glass, AG-C

CERTAINTED GYPSUM INC - ProFlo Type C or ProFlo Type X

CERTAINTED GYPSUM CANADA INC - ProFlo Type C or ProFlo Type X

PARCO BUILDING PRODUCTS L L C, DBA
PARCO GYPSUM - Type PG-11

TEMPLE-INLAND - Types X, Veneer Plaster Base-Type X, Water-Rated-Type X, Sheathing-Type X, Soft-Type X, Type X ComfortGuard Sound Densifying Gypsum Board.

2C. **Gypsum Board*** - (As an alternate to Item 2, not shown) - For use with Item 5A only - 5/8 in. thick, 4 ft wide gypsum panels applied horizontally and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. Finish Rating is 25 min.

PARCO BUILDING PRODUCTS L L C, DBA
PARCO GYPSUM - Type PG-11

TEMPLE-INLAND - Type X, Veneer Plaster Base-Type X, Water-Rated-Type X, Sheathing-Type X, Soft-Type X

2D. **Gypsum Board*** - (As an alternate to Item 2) - Not to be used with Item 7, 5/8 in. thick, 4 ft wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

NATIONAL GYPSUM CO - Soundbreak XP Type X Gypsum Board

2E. **Wall and Partition Facings and Accessories*** - (As an alternate to Item 2) - Nominal 5/8 in. thick, 4 ft wide panels, installed as described in Item 2.

SERIOUS MATERIALS INC - Type Quietlock ES, Type Quietlock QR-527.

2F. **Gypsum Board*** - (As an alternate to Item 2) - Not to be used with Item 7, 5/8 in. thick, 4 ft wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

CERTAINTED GYPSUM INC - Type SilentFX

3. **Joints and Nailheads** - (Not Shown) - Wallboard joints covered with tape and joint compound. Nail heads covered with joint compound.

4. **Batts and Blankets*** - Mineral fiber or glass fiber insulation, 3-1/2 in. thick, pressure fit to fill wall cavities between studs and plates. Mineral fiber insulation to be unfaced and to have a min density of 3 pcf. Glass fiber insulation to be faced with aluminum foil or kraft paper and to have a min density of 0.9 pcf (min 1-3 thermal insulation rating).

See **Batts and Blankets** (B232) Category in the Building Materials Directory and **Batts and Blankets** (B232) Category in the Fire Resistance Directory for names of Classified Companies.

4A. **Fiber, Spray*** - (As an alternate to Batts and Blankets (Item 4) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³. Alternate application method: The fiber is applied with U.S. Greenfibre LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 4.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft³.

U S GREENFIBER L L C - Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

4B. **Fiber, Spray*** - (As an alternate to Item 4 and 4A) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 4.58 lb/ft³.

NU-WOOL CO INC - Cellulose Insulation

4C. **Fiber, Spray*** - (As an alternate to Batts and Blankets (Item 4) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lb/ft³.

INTERNATIONAL CELLULOSE CORP - Cellulax-RL

5A. **Mineral and Fiber Boards*** - As an alternate to Item 5 - Min 1/2 in. thick, 4 ft wide sheathing, installed vertically to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 4 in. wood blocking. Attached to studs on exterior side of wall with 1-1/2 in. long galvanized roofing nails spaced 6 in. OC, perimeter of panels and 12 in. OC along interior studs.

TEMPLE-INLAND FOREST PRODUCTS CORP - Types Fiberglass or Quietbreak

6. **Exterior Facings** - Installed in accordance with the manufacturer's installation instructions. One of the following exterior facings is to be applied over the sheathing:

A. **Vinyl Siding - Molded Plastic*** - Contoured rigid vinyl siding having a flame spread area of 20 sq ft.

See **Molded Plastic** (B247) category in the Building Materials Directory for names of manufacturers.

B. **Particle Board Siding** - Hardboard exterior siding including patterned panel or lap siding.

C. **Wood Structural Panel or Lap Siding** - APA Rated Siding, Exterior, plywood, OSB or composite panels with veneer faces and structural wood cores, per PS-1 or APA Standard PS-108, including textured, rough sawn, medium density overlay, brushed, grooved and lap siding.

D. **Cementitious Stucco** - Portland cement or synthetic stucco systems with self-furring metal lath or adhesive base coat. Thickness from 3/8 to 3/4 in., depending on system.

E. **Brick Veneer** - Any type on nom 4 in. wide brick veneer. When brick veneer is used, the rating is applicable with exposure on either face. Brick veneer fastened with corrugated metal wall ties attached over sheathing to wood studs with 6d nail per tie. Ties spaced not more than each sixth course of brick and max 32 in. OC horizontally. One in. air space provided between brick veneer and sheathing.

F. **Exterior Insulation and Finish System (EIFS)** - Nom 1 in. Framed Plastic* insulation bearing the UL Classification Marking, attached over sheathing and finished with coating system, or finished cement or synthetic stucco systems, in accordance with manufacturer's instructions. See **Framed Plastic** (B3XX and CCVV) categories for names of Classified companies.

G. **Siding** - Aluminum or steel siding attached over sheathing to studs.

H. **Fiber-Cement Siding** - Fiber-cement exterior siding including smooth and patterned panel or lap siding.

7. **Steel Framing Members** - (Optional, Not Shown)* - Furring Channels and Steel Framing Members as described below:

a. **Furring Channels** - Formed of No. 25 HSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 3. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members*** - Used to attach furring channels (Item 7a) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC - Type RSS-C.

7A. **Steel Framing Members** (Optional, Not Shown)* - Furring channels and Steel Framing Members as described below:

a. **Furring Channels** - Formed of No. 25 HSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 3. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Two layers of gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members*** - Used to attach furring channels (Item 7a) to interior side of studs. Clips spaced 48 in. OC, and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the stud and each end of the clip. Furring channels are friction fitted into clips.

KINETICS NOISE CONTROL INC - Type IsoMax.

UL U341
1" = 1'-0" STC=50 MIN.

Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. PS44
September 17, 2009

Unrestrained Assembly Rating - 1 Hr
Finish Rating - 25 Min
Load Restricted for Canadian Applications - See Guide B300Z

HORIZONTAL SECTION

FIRE SIDE

1. **Wood Studs** - Nom 2 by 4 in. spaced 16 in. OC. Vertical and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be a minimum equal to the depth of the bearing wall.

2. **Gypsum Board*** - 5/8 in. thick, 4 ft wide. Gypsum board or lath applied horizontally or vertically, unless specified below, and nailed to studs and bearing plates 7 in. OC with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

When used in widths other than 48 in., gypsum board to be installed horizontally.

See Gypsum Board* (CCKX) Category for names of Classified Companies.

2A. **Wall and Partition Facings and Accessories*** - (As an alternate to Item 2, not shown) - Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type 5 screws spaced 12 in. OC at perimeter of panels and 3 in. OC in the field. Horizontal joints of vertically applied panels need not be backed by studs. Panel joints covered with paper tape and two layers of joint compound. Someboards covered with two layers of joint compound. Batts and Blankets placed in stud cavity as described in Item 5C. Not evaluated for use with Steel Framing Members, Furring Channels or Fiber, Spray.

CGC INC
UNITED STATES GYPSUM CO
USE MEXICO S A DE CV

2B. **Gypsum Board*** - (As an alternate to Item 2, not shown) - 5/8 in. thick, 4 ft wide gypsum panels applied horizontally and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.

AMERICAN GYPSUM CO - Types ADX-1, H-Glass, AG-C

CERTAINTED GYPSUM INC - ProFlo Type C or ProFlo Type X

CERTAINTED GYPSUM CANADA INC - ProFlo Type C or ProFlo Type X

PARCO BUILDING PRODUCTS L L C, DBA
PARCO GYPSUM - Type PG-11

TEMPLE-INLAND - Types X, Veneer Plaster Base-Type X, Water-Rated-Type X, Sheathing-Type X, Soft-Type X, Type X ComfortGuard Sound Densifying Gypsum Board.

2C. **Gypsum Board*** - (As an alternate to Item 2, not shown) - For use with Item 5A only - 5/8 in. thick, 4 ft wide gypsum panels applied horizontally and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. Finish Rating is 25 min.

PARCO BUILDING PRODUCTS L L C, DBA
PARCO GYPSUM - Type PG-11

TEMPLE-INLAND - Type X, Veneer Plaster Base-Type X, Water-Rated-Type X, Sheathing-Type X, Soft-Type X

2D. **Gypsum Board*** - (As an alternate to Item 2) - Not to be used with Item 7, 5/8 in. thick, 4 ft wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

NATIONAL GYPSUM CO - Soundbreak XP Type X Gypsum Board

2E. **Wall and Partition Facings and Accessories*** - (As an alternate to Item 2) - Nominal 5/8 in. thick, 4 ft wide panels, installed as described in Item 2.

SERIOUS MATERIALS INC - Type Quietlock ES, Type Quietlock QR-527.

2F. **Gypsum Board*** - (As an alternate to Item 2) - Not to be used with Item 7, 5/8 in. thick, 4 ft wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

CERTAINTED GYPSUM INC - Type SilentFX

3. **Joints and Nailheads** - (Not Shown) - Wallboard joints covered with tape and joint compound. Nail heads covered with joint compound.

4. **Batts and Blankets*** - Mineral fiber or glass fiber insulation, 3-1/2 in. thick, pressure fit to fill wall cavities between studs and plates. Mineral fiber insulation to be unfaced and to have a min density of 3 pcf. Glass fiber insulation to be faced with aluminum foil or kraft paper and to have a min density of 0.9 pcf (min 1-3 thermal insulation rating).

See **Batts and Blankets** (B232) Category in the Building Materials Directory and **Batts and Blankets** (B232) Category in the Fire Resistance Directory for names of Classified Companies.

4A. **Fiber, Spray*** - (As an alternate to Batts and Blankets (Item 4) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³. Alternate application method: The fiber is applied with U.S. Greenfibre LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 4.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft³.

U S GREENFIBER L L C - Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

4B. **Fiber, Spray*** - (As an alternate to Item 4 and 4A) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 4.58 lb/ft³.

NU-WOOL CO INC - Cellulose Insulation

4C. **Fiber, Spray*** - (As an alternate to Batts and Blankets (Item 4) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lb/ft³.

INTERNATIONAL CELLULOSE CORP - Cellulax-RL

5A. **Mineral and Fiber Boards*** - As an alternate to Item 5 - Min 1/2 in. thick, 4 ft wide sheathing, installed vertically to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 4 in. wood blocking. Attached to studs on exterior side of wall with 1-1/2 in. long galvanized roofing nails spaced 6 in. OC, perimeter of panels and 12 in. OC along interior studs.

TEMPLE-INLAND FOREST PRODUCTS CORP - Types Fiberglass or Quietbreak

6. **Exterior Facings** - Installed in accordance with the manufacturer's installation instructions. One of the following exterior facings is to be applied over the sheathing:

A. **Vinyl Siding - Molded Plastic*** - Contoured rigid vinyl siding having a flame spread area of 20 sq ft.

See **Molded Plastic** (B247) category in the Building Materials Directory for names of manufacturers.

B. **Particle Board Siding** - Hardboard exterior siding including patterned panel or lap siding.

C. **Wood Structural Panel or Lap Siding** - APA Rated Siding, Exterior, plywood, OSB or composite panels with veneer faces and structural wood cores, per PS-1 or APA Standard PS-108, including textured, rough sawn, medium density overlay, brushed, grooved and lap siding.

D. **Cementitious Stucco** - Portland cement or synthetic stucco systems with self-furring metal lath or adhesive base coat. Thickness from 3/8 to 3/4 in., depending on system.

E. **Brick Veneer** - Any type on nom 4 in. wide brick veneer. When brick veneer is used, the rating is applicable with exposure on either face. Brick veneer fastened with corrugated metal wall ties attached over sheathing to wood studs with 6d nail per tie. Ties spaced not more than each sixth course of brick and max 32 in. OC horizontally. One in. air space provided between brick veneer and sheathing.

F. **Exterior Insulation and Finish System (EIFS)** - Nom 1 in. Framed Plastic* insulation bearing the UL Classification Marking, attached over sheathing and finished with coating system, or finished cement or synthetic stucco systems, in accordance with manufacturer's instructions. See **Framed Plastic** (B3XX and CCVV) categories for names of Classified companies.

G. **Siding** - Aluminum or steel siding attached over sheathing to studs.

H. **Fiber-Cement Siding** - Fiber-cement exterior siding including smooth and patterned panel or lap siding.

7. **Steel Framing Members** - (Optional, Not Shown)* - Furring Channels and Steel Framing Members as described below:

a. **Furring Channels** - Formed of No. 25 HSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 3. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members*** - Used to attach furring channels (Item 7a) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC - Type RSS-C.

7A. **Steel Framing Members** (Optional, Not Shown)* - Furring channels and Steel Framing Members as described below:

a. **Furring Channels** - Formed of No. 25 HSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 3. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Two layers of gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members*** - Used to attach furring channels (Item 7a) to interior side of studs. Clips spaced 48 in. OC, and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the stud and each end of the clip. Furring channels are friction fitted into clips.

KINETICS NOISE CONTROL INC - Type IsoMax.

UL P544
1" = 1'-0" STC=50 MIN.

Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. PS44
September 17, 2009

Unrestrained Assembly Rating - 1 Hr
Finish Rating - 25 Min
Load Restricted for Canadian Applications - See Guide B300Z

HORIZONTAL SECTION

FIRE SIDE

1. **Wood Studs** - Nom 2 by 4 in. spaced 16 in. OC. Vertical and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be a minimum equal to the depth of the bearing wall.

2. **Gypsum Board*** - 5/8 in. thick, 4 ft wide. Gypsum board or lath applied horizontally or vertically, unless specified below, and nailed to studs and bearing plates 7 in. OC with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

When used in widths other than 48 in., gypsum board to be installed horizontally.

See Gypsum Board* (CCKX) Category for names of Classified Companies.

2A. **Wall and Partition Facings and Accessories*** - (As an alternate to Item 2, not shown) - Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type 5 screws spaced 12 in. OC at perimeter of panels and 3 in. OC in the field. Horizontal joints of vertically applied panels need not be backed by studs. Panel joints covered with paper tape and two layers of joint compound. Someboards covered with two layers of joint compound. Batts and Blankets placed in stud cavity as described in Item 5C. Not evaluated for use with Steel Framing Members, Furring Channels or Fiber, Spray.

CGC INC
UNITED STATES GYPSUM CO
USE MEXICO S A DE CV

2B. **Gypsum Board*** - (As an alternate to Item 2, not shown) - 5/8 in. thick, 4 ft wide gypsum panels applied horizontally and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.

AMERICAN GYPSUM CO - Types ADX-1, H-Glass, AG-C

CERTAINTED GYPSUM INC - ProFlo Type C or ProFlo Type X

CERTAINTED GYPSUM CANADA INC - ProFlo Type C or ProFlo Type X

PARCO BUILDING PRODUCTS L L C, DBA
PARCO GYPSUM - Type PG-11

TEMPLE-INLAND - Types X, Veneer Plaster Base-Type X, Water-Rated-Type X, Sheathing-Type X, Soft-Type X, Type X ComfortGuard Sound Densifying Gypsum Board.

2C. **Gypsum Board*** - (As an alternate to Item 2, not shown) - For use with Item 5A only - 5/8 in. thick, 4 ft wide gypsum panels applied horizontally and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. Finish Rating is 25 min.

PARCO BUILDING PRODUCTS L L C, DBA
PARCO GYPSUM - Type PG-11

TEMPLE-INLAND - Type X, Veneer Plaster Base-Type X, Water-Rated-Type X, Sheathing-Type X, Soft-Type X

2D. **Gypsum Board*** - (As an alternate to Item 2) - Not to be used with Item 7, 5/8 in. thick, 4 ft wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

NATIONAL GYPSUM CO - Soundbreak XP Type X Gypsum Board

2E. **Wall and Partition Facings and Accessories*** - (As an alternate to Item 2) - Nominal 5/8 in. thick, 4 ft wide panels, installed as described in Item 2.

SERIOUS

System No. F-C-2032

June 16, 2010
F Rating – 1 Hr
T Ratings – 0, 1/4, 3/4 and 1 Hr (See Item 2)
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 individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction details of the floor-ceiling assembly are summarized below:

- Flooring System** – Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of floor opening is 4 in. (102 mm).
- Wood Joists** – Nom 2 by 10 in. (51 by 254 mm) lumber joists spaced 16 in. (406 mm) OC with nom 1 by 3 in. (25 by 76 mm) lumber bridging and with ends firestopped. As an alternate to lumber joists, nom 2 in. (51 mm) steel joists, steel joist trusses or Structural Wood Members* with bridging as required with ends firestopped.
- Furring Channels** – (Not Shown) – Resilient galv steel furring installed perpendicular to wood joists (Item 1B) between wallboard (Item 1D) and wood joists as required in the individual Floor-Ceiling Design.
- Gypsum Board*** – Nom 4 ft (1.2 m) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. System board secured to wood joists or furring channels as specified in the individual Floor-Ceiling Design. Max diam of ceiling opening is 4 in. (102 mm).

1.1 Chaise Wall – (Optional, Not Shown) – The through penetrant (Item 2) may be routed through a fire rated or non fire rated single, double or staggered wood stud/gypsum board chaise wall. When fire rated the chaise wall shall be constructed of the materials and in the manner specified in the individual L200 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

- Studs** – Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or double 2 by 4 in. (51 by 102 mm) lumber studs.
- Sole Plate** – Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or parallel 2 by 4 in. (51 by 102 mm) lumber plates, lightly butted.
- Top Plate** – The double top plate shall consist of two nom 2 by 4 in. (51 by 102 mm) or 2 by 6 in. (51 by 152 mm) or two sets of parallel 2 by 4 in. (51 by 102 mm) or parallel 2 by 6 in. (51 by 152 mm) lumber plates, lightly butted. Max diam of opening is 4 in. (102 mm).
- Gypsum Board*** – Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

2. Through-Penetrants – One nonmetallic pipe or conduit to be installed approximately midway between wood joists and centered within the firestop system. Diam of openings hole-sawed through flooring system and through gypsum wallboard ceiling to be 1/4 to 1/8 in. (6 to 41 mm) larger than the outside diam of through-penetrant. Pipe, conduit or tubing to be rigidly supported on both sides of the floor-ceiling assembly. The following types and sizes of nonmetallic pipes, conduits or supports may be used:

- Polyvinyl Chloride (PVC) Pipe** – Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- Rigid Nonmetallic Conduit (RNC)*** – Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular or solid core RNC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- Chlorinated Polyvinyl Chloride (CPVC) Pipe** – Nom 2 in. (51 mm) diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- Acrylonitrile Butadiene Styrene (ABS) Pipe** – Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular or solid core ABS 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:

- Fill, Void or Cavity Material* – Sealant** – Fill material forced into annulus to fill space to max extent possible. Flush with top surface of floor and bottom surface of ceiling. Additional fill material to be installed such that a min 1/8 in. crown is formed around the penetrating item.
- Steel Collar** – Collar fabricated from coils of precut 0.016 in. thick (30 MSG) galv sheet steel available from wrap strip manufacturer. Collar shall be nom 1-1/2 in. deep with 1 in. wide tapering down to 3/4 in. wide at top surface. Collar shall be secured to top surface of floor and underside of floor joists by means of three No. 8 steel screws. Collar shall be secured to top surface of floor and underside of floor joists by means of three No. 8 steel screws. Collar shall be secured to top surface of floor and underside of floor joists by means of three No. 8 steel screws. Collar shall be secured to top surface of floor and underside of floor joists by means of three No. 8 steel screws.

SPECIFIED TECHNOLOGIES INC – SpecSeries SSS Sealant or SpecSeries LCI Sealant

*Bearing the UL Listing Mark
*Bearing the UL Classification Marking

Last Updated on 2010-06-16

H1 UL F-C-2032
1" = 1'-0"

System No. F-C-2033

December 08, 2008
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. The general construction details of the floor-ceiling assembly are summarized below:

- Flooring System** – Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of floor opening is 5 in.
- Wood Joists** – Nom 2 by 10 in. lumber joists spaced 16 in. OC with nom 1 by 3 in. lumber bridging and with ends firestopped. As an alternate to lumber joists, nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required with ends firestopped.
- Furring Channels** – (Not Shown) – Resilient galv steel furring installed perpendicular to wood joists (Item 1B) between wallboard (Item 1D) and wood joists as required in the individual Floor-Ceiling Design.
- Gypsum Board*** – Nom 4 ft wide by 5/8 in. thick as specified in the individual Floor-Ceiling Design. Wallboard secured to wood joists as specified in the individual Floor-Ceiling Design.

2. Through Penetrants – One nonmetallic pipe or conduit to be installed approximately midway between wood joists and centered within the firestop system. Diam of openings hole-sawed through flooring system and through gypsum wallboard ceiling to be 1/2 in. larger than the outside diam of through-penetrant. The annular space between the through penetrant and the periphery of the opening shall be a min 0 in. (point contact) to a max of 1/4 in. Pipe or conduit to be rigidly supported on both sides of the floor-ceiling assembly. The following types and sizes of nonmetallic pipes or conduits may be used:

- Polyvinyl Chloride (PVC) Pipe** – Nom 4 in. diam (or smaller) Schedule 40 cellular or solid core PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
- Acrylonitrile Butadiene Styrene (ABS) Pipe** – Nom 4 in. diam (or smaller) Schedule 40 cellular or solid core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- Rigid Nonmetallic Conduit** – Nom 4 in. diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).
- Chlorinated Polyvinyl Chloride (CPVC) Pipe** – Nom 4 in. diam (or smaller) SDR17 CPVC 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:

- Fill, Void or Cavity Material* – Sealant** – Fill material forced into annulus to fill space to max extent possible. Flush with top surface of floor and bottom surface of ceiling. Additional fill material to be installed such that a min 1/8 in. crown is formed around the penetrating item.
- Steel Collar** – Collar fabricated from coils of precut 0.016 in. thick (30 MSG) galv sheet steel available from wrap strip manufacturer. Collar shall be nom 1-1/2 in. deep with 1 in. wide tapering down to 3/4 in. wide at top surface. Collar shall be secured to top surface of floor and underside of floor joists by means of three No. 8 steel screws. Collar shall be secured to top surface of floor and underside of floor joists by means of three No. 8 steel screws. Collar shall be secured to top surface of floor and underside of floor joists by means of three No. 8 steel screws.

SPECIFIED TECHNOLOGIES INC – SpecSeries SSS Sealant or SpecSeries LCI Sealant

*Bearing the UL Listing Mark
*Bearing the UL Classification Marking

Last Updated on 2008-12-08

H2 UL F-C-2033
1" = 1'-0"

System 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. The general construction details of the floor-ceiling assembly are summarized below:

- Flooring System** – Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of floor opening is 5 in.
- Wood Joists** – Nom 2 by 10 in. lumber joists spaced 16 in. OC with nom 1 by 3 in. lumber bridging and with ends firestopped. As an alternate to lumber joists, nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required with ends firestopped.
- Furring Channels** – Resilient galv steel furring installed perpendicular to wood joists (Item 1B) between wallboard (Item 1D) and wood joists as required in the individual Floor-Ceiling Design.
- Gypsum Board*** – Nom 4 ft wide by 5/8 in. thick as specified in the individual Floor-Ceiling Design. Wallboard secured to wood joists as specified in the individual Floor-Ceiling Design.

2. Drain Piping – Nom 4 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) or acrylonitrile butadiene styrene (ABS) drain piping and fittings. Diam of circular opening hole cut into bottom surface of floor to be max 1/2 in. larger than outside diam of pipe. Short length of pipe with 90 degree elbow fitting cemented into bottom socket of closet flange (Item 5). Drain piping cemented to elbow.

3. Firestop System – The firestop system shall consist of the following:

- Fill, Void or Cavity Material* – Wrap Strip** – Nom 1/4 in. thick intumescent material faced on both sides with a plastic film, supplied in 1-1/2 in. wide strips. Nom 1-1/2 in. wide strips tightly wrapped around nonmetallic pipe with the edges butted against the underside of flooring and around the entire perimeter of the hole-sawed opening. Two layers of wrap strip are required. Each layer of wrap strip to be installed with butted seam, butted seams in successive layers staggered or aligned. Wrap strip layer(s) temporarily held in position using aluminum foil tape.
- Steel Collar** – Collar fabricated from coils of precut 0.016 in. thick (30 MSG) galv sheet steel available from wrap strip manufacturer. Collar shall be nom 1-1/2 in. deep with 1 in. wide tapering down to 3/4 in. wide at top surface. Collar shall be secured to top surface of floor and underside of floor joists by means of three No. 8 steel screws. Collar shall be secured to top surface of floor and underside of floor joists by means of three No. 8 steel screws. Collar shall be secured to top surface of floor and underside of floor joists by means of three No. 8 steel screws.

SPECIFIED TECHNOLOGIES INC – SpecSeries RED Strip

*Bearing the UL Listing Mark
*Bearing the UL Classification Marking

Last Updated on 1997-11-26

H5 UL F-C-2037
1" = 1'-0"

System No. F-C-2038

January 11, 2010
F Rating – 2 Hr
T Rating – 2 Hr

1. Floor-Ceiling Assembly – The fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in Design Nos. L505, L511 or L536 in the UL Fire Resistance Directory, as summarized below:

- Flooring System** – Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of floor opening is 5 in.
- Wood Joists** – Nom 2 in. by 10 in. lumber joists spaced 16 in. OC with nom 1 by 3 in. lumber bridging and with ends firestopped.
- Furring Channels** – (Not shown) – Resilient galv steel furring installed perpendicular to wood joists between first and second layers of wallboard (Item 1D) and spaced max 24 in. OC.
- Gypsum Board*** – Nom 4 ft wide by 5/8 in. thick as specified in the individual Floor-Ceiling Design. First layer of wallboard nailed to wood joists. Second layer of wallboard screw-attached to furring channels. The secondary firestop device (Item 3A) must be installed in the joint cavity prior to installation of the gypsum wallboard ceiling. Max diam of ceiling opening is 5 in.

2. Through Penetrants – One nonmetallic pipe or conduit to be installed approximately midway between wood joists and centered within the firestop system. Diam of openings hole-sawed through flooring system and through two layers gypsum wallboard ceiling to be nom 1/2 in. larger than the outside diam of through-penetrant. Pipe or conduit to be rigidly supported on both sides of the floor-ceiling assembly. The following types and sizes of nonmetallic pipes or conduits may be used:

- Polyvinyl Chloride (PVC) Pipe** – Nom 4 in. diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- Rigid Nonmetallic Conduit** – Nom 4 in. diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).
- Chlorinated Polyvinyl Chloride (CPVC) Pipe** – Nom 4 in. diam (or smaller) SDR17 CPVC 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:

- Fill, Void or Cavity Material* – Sealant** – Fill material forced into annulus to fill space to max extent possible. Flush with top surface of floor and bottom surface of ceiling. Additional fill material to be installed such that a min 1/8 in. crown is formed around the penetrating item on top surface of floor.
- Firestop Device*** – Galv steel collar lined with an intumescent material sized to fit the specific diam of the through-penetrant. Device shall be wrapped around through-penetrant on underside of floor (Item 1A) and underside of gypsum wallboard ceiling (Item 1D) in accordance with the accompanying installation instructions. Firestop device secured to subfloor with min No. 8 by 3/4 in. long wood screws in conjunction with 1/4 in. by 1-1/4 in. diam steel fender washers. Device secured to finished gypsum wallboard ceiling by means of 3/16 in. diam by 3-1/2 in. long toggle bolts in conjunction with 1/4 in. by 1-1/4 in. diam steel fender washers.

RECTORSEAL – FS 1900 Sealant
RECTORSEAL – FS D Device

*Bearing the UL Listing Mark
*Bearing the UL Classification Marking

Last Updated on 2010-01-11

D7 UL F-C-2038
1" = 1'-0"

System No. F-C-2044

December 08, 2008
F Ratings – 1 Hr and 2 Hr (See Item 1)
T Ratings – 1/4 and 1 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 individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction details of the floor-ceiling assembly are summarized below:

- Flooring System** – Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of floor opening is 3 in.
- Wood Joists** – Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required with ends firestopped.
- Furring Channels** – (Not Shown) – Resilient galvanized steel furring installed in accordance with the manner specified in the individual L500 Series Designs in the Fire Resistance Directory.
- Gypsum Board*** – Thickness, type, number of layers and fasteners shall be as specified in the individual Floor-Ceiling Design. Max diam of opening for 1 or 2 hr assembly is 2-1/2 in. (64 mm) or 2 in. (51 mm), respectively.

2. Chaise Wall – (Optional, Not Shown) – The through penetrant (Item 3) shall be routed through a fire-rated single, double or staggered wood stud/gypsum board chaise wall having a fire rating consistent with that of the floor-ceiling assembly. The chaise wall shall be constructed of the materials and in the manner specified in the individual L200 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

- Studs** – Nom 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
- Sole Plate** – Nom 2 by 6 in. (51 by 152 mm) or parallel 2 by 4 in. (51 by 102 mm) lumber plates, lightly butted. Max diam of opening for 1 or 2 hr assembly is 2-1/2 in. (64 mm) or 2 in. (51 mm), respectively.
- Top Plate** – The double top plate shall consist of two nom 2 by 6 in. (51 by 152 mm) or two sets of parallel 2 by 4 in. (51 by 102 mm) lumber plates, lightly butted. Max diam of opening for 1 or 2 hr assembly is 2-1/2 in. (64 mm) or 2 in. (51 mm), respectively.
- Gypsum Board*** – Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

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 (max 2 in. (51 mm) diam bundle). Cables to be rigidly supported on both sides of floor assembly. Any combination of the following types and sizes of copper conductors may be used:

- RG 59 coaxial cable with single copper conductor, cellular polyethylene cellular foam insulation and polyvinyl chloride (PVC) jacket.
- Max 8/C No. 22 AWG telephone cable with polyvinyl chloride (PVC) jacketing.
- Max 2/C No. 12 AWG cable with polyvinyl chloride (PVC) insulation and jacketing.
- Max 3/C with ground No. 2/0 AWG aluminum or copper Type SER cable with polyvinyl chloride (PVC) insulation.
- Max 3/C with ground No. 2/0 AWG Type NH cable with polyvinyl chloride (PVC) insulation.
- Max 3/C No. 12 AWG hlx (BX) cable with polyvinyl chloride (PVC) jacket.
- Max 1 in. diam metal clad TEK cable with PVC jacket.
- Max 4/C with ground No. 300 kcmil (or smaller) aluminum SER cable with PVC insulation and jacket.

1. Through Penetrating Product* – Any Cables, Metal-Clad Cable or Armored Cable+ Category Classified under the Product*

See Through Penetrating Product (D04Y) category in the Fire Resistance Directory for names of manufacturers.

The T Rating is 1 hr for cables 3A and 3B.

The T Rating is 1 hr for cables 3A through 3G. The T Rating is 2 hr for cables 3H and 3I.

4. Fill, Void or Cavity Material* – Sealant – Fill material forced into annulus to fill space to max extent possible. Flush with top surface of floor and bottom surface of ceiling or lower top plate of chaise wall assembly. Additional fill material to be installed to form a min 1/8 in. (6 mm) crown around wrap strip at its spread from bottom surface of ceiling or lower top plate of chaise wall assembly.

SPECIFIED TECHNOLOGIES INC – SpecSeries SSS Sealant or SpecSeries LCI Sealant

*Bearing the UL Listing Mark
*Bearing the UL Classification Marking

Last Updated on 2008-12-23

H9 UL F-C-3012
1" = 1'-0"

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

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

BRIDGEWAY APARTMENTS

CHATTANOOGA, TN

U.L. REFERENCE DIRECTORY **A0.10**

PATRICK D. FITCH
LICENSE # 103195

Drawn: FZ
Checked: PF
Approved: PF
Date: 04/29/2013
Project #: 5166400

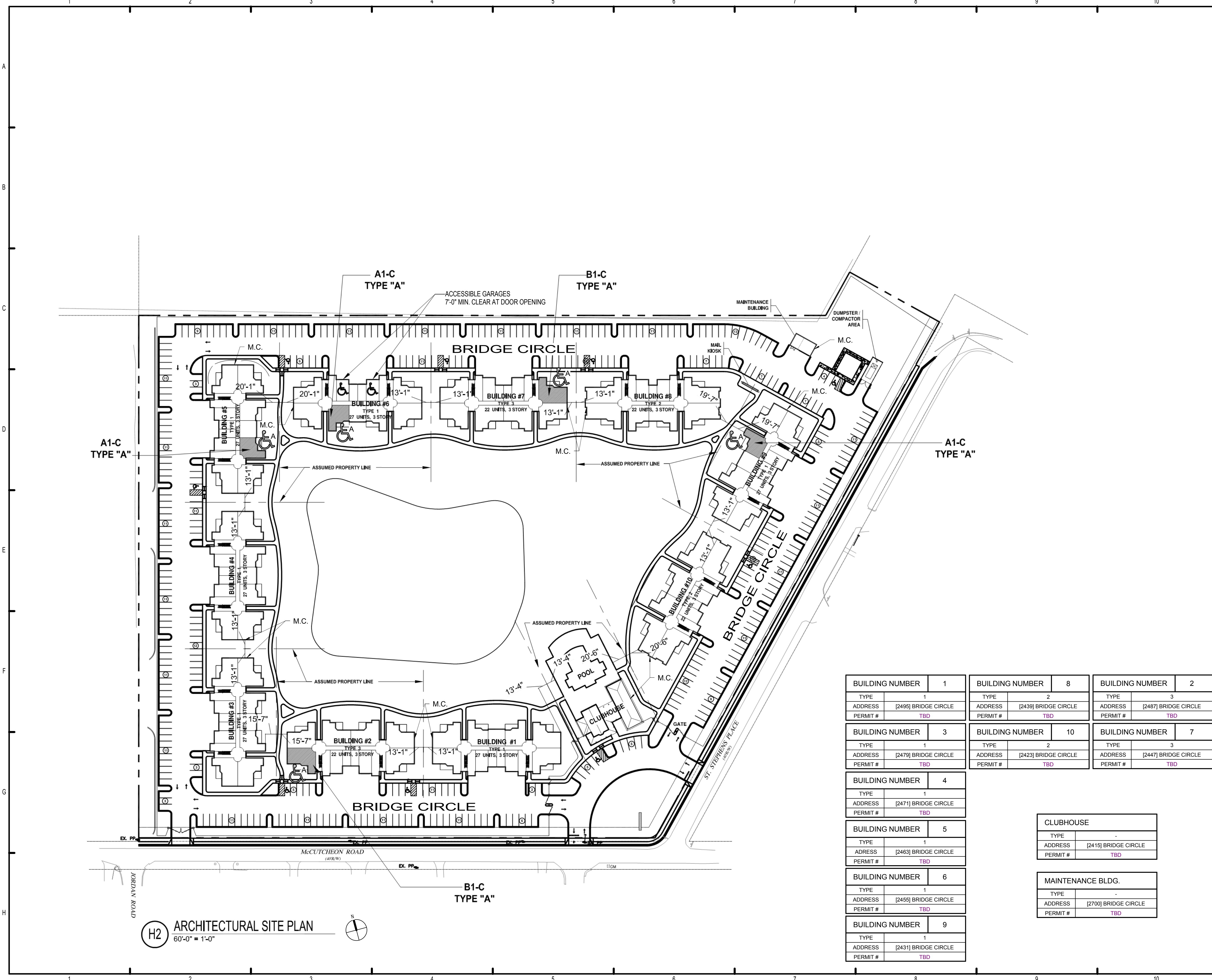
HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC – FS611A Sealant or FS-50 Sealant

*Bearing the UL Listing Mark
*Bearing the UL Classification Marking

Last Updated on 2008-12-23

H9 UL F-C-3012
1" = 1'-0"

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H2 ARCHITECTURAL SITE PLAN
60'-0" = 1'-0"

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 PROVIDE SERVICES FOR POOLS AND MAKES NO ATTEMPT 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.

LEGEND:

- M.C. METER CENTER. APPROX 2000 AMP LOAD PER NEC
- DESIGNATED ANSI TYPE 'A' UNIT
- DESIGNATED ACCESSIBLE GARAGE

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description



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

BUILDING NUMBER	1	BUILDING NUMBER	8	BUILDING NUMBER	2
TYPE	1	TYPE	2	TYPE	3
ADDRESS	[2495] BRIDGE CIRCLE	ADDRESS	[2439] BRIDGE CIRCLE	ADDRESS	[2487] BRIDGE CIRCLE
PERMIT #	TBD	PERMIT #	TBD	PERMIT #	TBD

BUILDING NUMBER	3	BUILDING NUMBER	10	BUILDING NUMBER	7
TYPE	1	TYPE	2	TYPE	3
ADDRESS	[2479] BRIDGE CIRCLE	ADDRESS	[2423] BRIDGE CIRCLE	ADDRESS	[2447] BRIDGE CIRCLE
PERMIT #	TBD	PERMIT #	TBD	PERMIT #	TBD

BUILDING NUMBER	4
TYPE	1
ADDRESS	[2471] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	5
TYPE	1
ADDRESS	[2463] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	6
TYPE	1
ADDRESS	[2455] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	9
TYPE	1
ADDRESS	[2431] BRIDGE CIRCLE
PERMIT #	TBD

CLUBHOUSE	
TYPE	-
ADDRESS	[2415] BRIDGE CIRCLE
PERMIT #	TBD

MAINTENANCE BLDG.	
TYPE	-
ADDRESS	[2700] BRIDGE CIRCLE
PERMIT #	TBD

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

ARCHITECTURAL SITE PLAN A1.01

PATRICK D. FITCH
LICENSE # 103195

GENERAL NOTES

1. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE 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.

CODES AND SPECIFICATIONS

A. GENERAL BUILDING CODE:

1. INTERNATIONAL BUILDING CODE 2012.

B. CONCRETE:

1. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-89)
2. SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-84).

DESIGN LOADS

A. DESIGN LIVE LOADS

ROOF.....20 PSF
ELEVATED FLOORS.....40 PSF
BALCONY, CORRIDORS AND BREEZE WAYS.....100 PSF
STAIRS.....100 PSF

B. WIND LOADS:

- 1) BASIC WIND SPEED = 90 MPH
- 2) IMPORTANCE FACTOR = 1.0
- 3) WIND EXPOSURE C.
- 4) INTERNAL PRESSURE COEFFICIENT ; 0.18 FULLY ENCLOSED STRUCTURE
- 5) COMPONENTS AND CLADDING: +20.8 PSF AND -22.6 PSF FOR DESIGN WIND PRESSURES.

C. ROOF SNOW LOADS:

- 1) GROUND SNOW LOAD.....10 PSF
- 2) SNOW EXPOSURE FACTOR (Ce).....0.7
- 3) SNOW IMPORTANCE FACTOR.....1.0

D. SEISMIC LOADS:

- 3) SEISMIC DESIGN CATEGORY.....

FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. WHICH SHALL BE VERIFIED BY A TENNESSEE REGISTERED GEOTECHNICAL ENGINEER PRIOR TO THE START OF WORK.

2. PLACE FOOTINGS/SLAB ON COMPACTED SOIL. FOLLOW RECOMMENDATIONS OF SOILS REPORT.

3. VERIFY BEARING CAPACITY BY TESTING PRIOR TO SLAB PLACEMENT. SUBMIT REPORTS TO ARCHITECT.

CAST-IN-PLACE CONCRETE

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, HAVE A SLUMP OF 4" PLUS OR MINUS 1", AND HAVE 2-4% AIR ENTRAINMENT.

2. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.

3. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-99.

4. ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI 315-80.

5. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS, ETC., AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED.

6. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC., NECESSARY TO SUPPORT REINFORCING STEEL.

7. ALL SLABS SHALL BE POURED MONOLITHICALLY, EXCEPT FOR REQUIRED CONSTRUCTION JOINTS.

8. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

3"-----CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.
1-1/2"-----ALL OTHER CASES.

9. HORIZONTAL SLAB BARS SHALL BE BENT 1'-6" AROUND CORNERS, OR PROVIDE CORNER BARS WITH A 2'-0" LAP ON EACH LEG.

10. TESTING LABORATORY SHALL SUBMIT ONE COPY OF ALL CONCRETE TEST REPORTS DIRECTLY TO THE POST TENSION ENGINEER ARCHITECT-SEE SPECS.

WOOD CONSTRUCTION

1. WOOD CONSTRUCTION SHALL CONFORM TO THE NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION.

2. ALL WALL STUDS SHALL BE NO. 2 SOUTHERN YELLOW PINE FINGER JOINT OR SOLID WITH 9' PRE-CUT STUDS TO BE USED.
STUDS FOR ALL STUD WALLS SHALL BE AS FOLLOWS:

TWO STORY WALLS
FIRST FLOOR 2x4'S @ 16" O.C. (U.N.O)
SECOND FLOOR 2x4'S @ 16" O.C. (U.N.O)

THREE STORY WALLS
FIRST FLOOR (2) 2x4'S @ 16" O.C. W/ 10d NAIL @ 10" O.C.(U.N.O)
SECOND FLOOR 2x4'S @ 16" O.C. (U.N.O)
THIRD FLOOR 2x4'S @ 16" O.C. (U.N.O)

3. PLACE A SINGLE PLATE AT THE BOTTOM AND A DOUBLE PLATE AT THE TOP OF ALL STUD WALLS. 2x SOLE PLATES AT THE EDGES OF SLABS SHALL BE ATTACHED TO THE SLAB WITH SIMPSON MAS MUDSILL ANCHORS (WITH 6 10d NAILS) AT 32" O.C.. AT INTERIOR STUD WALLS PROVIDE EITHER HILTI ZF72 (WITH 2 7/8" LENGTH, 5/64" THICK WASHERS) POWDER DRIVEN FASTENERS AT 8" ON CENTER, OR 1/2" DIAMETER ANCHOR BOLTS WITH 6" EMBEDMENT, AT 32" ON CENTER. RED-HEAD FASTENERS OF EQUIVALENT SIZES MAY BE USED. ALL OTHER SUBSTITUTIONS MUST BE APPROVED BY ADVANCED STRUCTURAL ENGINEERING PRIOR TO INSTALLATION. SEE THE SHEAR WALL SCHEDULE BELOW FOR SPECIAL SOLE PLATE ATTACHMENT

4. STUDS SHALL BE PACKED AT ALL ANGLES, CORNERS, AROUND ALL OPENINGS AND AT SHEAR WALLS. SEE SCHEDULES, UL ASSEMBLIES AND ARCH. DETAILS FOR REQUIREMENTS.

5. WOOD LINTELS OVER OPENINGS SHALL BE AS NOTED PER DETAIL 6/S6.03. NAIL MULTIPLE STUDS TOGETHER WITH 16d NAILS @ 12" O.C. EACH PLY.

6. WALL SHEATHING SHALL BE: (SEE SHEAR WALL SCHEDULE S1.02 FOR REQUIREMENTS AT SHEAR WALLS.)

AT INTERIOR WALLS PROVIDE 5/8" GYPSUM WALLBOARD (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS) EACH SIDE OF STUDS, NAILED WITH 5d COOLER NAILS AT 7" O.C. (USE 6d COOLER NAILS FOR 5/8" WALLBOARD) AT ALL SUPPORTS. PROVIDE SOLID 2x BLOCKING AT ALL SHEET EDGES. BLOCKING IS NOT REQUIRED AT NON-LOAD BEARING PARTITIONS.

AT EXTERIOR WALLS SHEATH THE INTERIOR FACE OF WALLS WITH 5/8" GYPSUM WALLBOARD AS NOTED ABOVE FOR INTERIOR WALLS. SHEATH THE EXTERIOR FACE OF WALLS WITH 7/16" C-DX PLYWOOD (OR 7/16" O.S.B.), NAILED WITH 8d NAILS AT 6" O.C. AT ALL EDGE SUPPORTS, AND 8d NAILS AT 6" O.C. AT ALL INTERMEDIATE SUPPORTS. PROVIDE SOLID DOUBLE 2x BLOCKING AT ALL SHEET EDGES. SHEARWALL SCHEDULE NOTE 5.

7. ALL WOOD IN CONTACT WITH CONCRETE OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED.

8. FLOOR SHEATHING IS 3/4" TONGUE AND GROOVE O.S.B., GLUED AND NAILED WITH 10d NAILS AT 6" O.C. AT SUPPORTED EDGES, AND 10d NAILS AT 10" O.C. AT INTERMEDIATE SUPPORTS.

9. ROOF SHEATHING SHALL BE 15/32" C - D PLYWOOD OR 15/32" O.S.B., NAILED WITH 8d NAILS AT 6" O.C. AT SUPPORTED EDGES, AND 8d NAILS AT 12" O.C. AT INTERMEDIATE SUPPORTS. PROVIDE ONE PLYWOOD CLIP PER SPAN BETWEEN SHEET EDGES. PROVIDE SOLID 2x BLOCKING BETWEEN SUPPORTS AT ALL HIPS, RIDGES, VALLEYS, AND CHANGES IN ROOF SLOPE.

10. ALL LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY.

11. NAILING SCHEDULE:

CONNECTION	COMMON NAIL	NUMBER OR SPACING
SOLE PLATE TO TRUSS OR BLOCKING	16d	8" O.C.
STUD TO SOLE PLATE, TOE NAIL	8d	4
DOUBLE STUDS, FACE NAIL	16d	24" O.C.
DOUBLE TOP PLATES, FACE NAIL	16d	16" O.C.
TOP PLATES LAPS AND INTERSECTIONS	16d	3
TRUSSES, LAPS OVER WALLS, FACE NAIL	16d	4
BUILT-UP CORNER STUDS	16d	12" O.C.
STUDS TO SOLE PLATE, END NAIL	16d	2

12. WHERE WOOD BEAMS/HEADERS ABUT WOOD COLUMNS, PROVIDE SIMPSON "HHUC" CONNECTORS WITH ALL NAILS SPECIFIED BY THE MANUFACTURER.

13. AT ALL WALLS SUPPORTING ROOF TRUSSES PROVIDE UPLIFT STRAPPING/CONNECTORS SHOWN IN THE TYPICAL WALL ELEVATION 1/S5.02. OR ALTERNATE: HURRY-BOLT SYSTEM OR EQUAL. - SUBMIT ENGINEERED SHOP DRAWINGS FOR REVIEW.

PREFABRICATED WOOD TRUSSES

1. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED AT EACH END TO THEIR SUPPORTING WALLS OR BEAMS AS SHOWN IN THE TYPICAL WALL ELEVATION 1/S5.02
2. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-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 AN TENNESSEE REGISTERED ENGINEER'S SEAL FOR APPROVAL BY THE ARCHITECT. DESIGN NOTES TO INCLUDE THE RATED LOAD CAPACITY OF THE CONNECTORS USED TO SECURE THE MEMBERS, CERTIFICATION OF THE CONNECTOR CAPACITIES AND MANUFACTURER'S LICENSE TO FABRICATE TRUSSES UTILIZING THE CONNECTOR SYSTEM PROPOSED.

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. ALSO WHERE HEEL HEIGHT ON BOTTOM CHORD BEARING TRUSSES EXCEEDS 11" PROVIDE CONTINUOUS 2x4 LET IN.

7. DESIGN LOADS - DEAD LOADS:

FLOOR TRUSSES	BOTTOM CHORD	8 PSF
	TOP CHORD (APTS)	15 PSF
OUTSIDE TRUSSES	BOTTOM CHORD	8 PSF
	TOP CHORD	34 PSF
ROOF TRUSSES	BOTTOM CHORD	10 PSF
	TOP CHORD	10 PSF
	TOP CHORD (AT OVERBUILT AREAS)	5 PSF ADDITIONAL

8. ALL SIMPSON TRUSS ANCHORS SHOWN ON DRAWINGS SHALL BE VERIFIED FOR LOADS SHOWN ON WOOD TRUSS DESIGN CALCULATIONS. THEREFORE ANCHORS SIZES AND TYPES ARE SUBJECT TO CHANGE BY ASE Engineering Services, Inc

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.

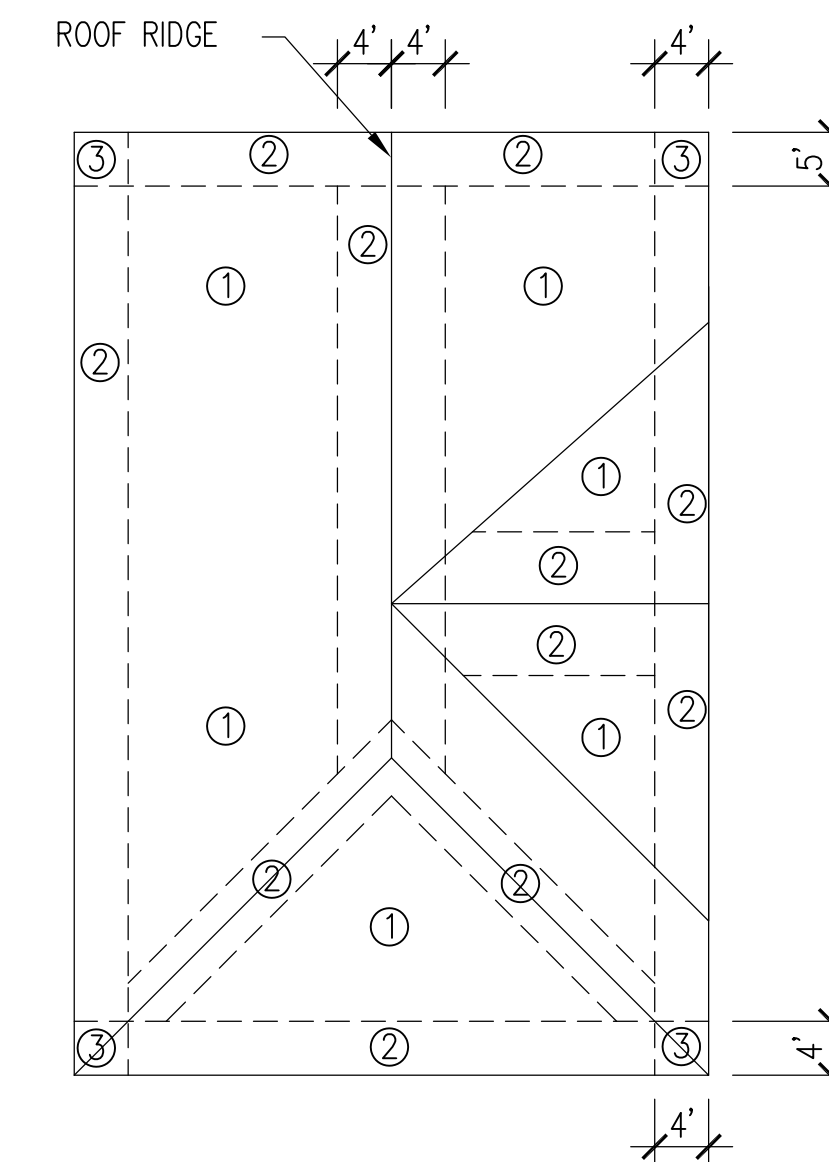
SCHEDULED FASTENER	ALTERNATE FASTENER
8d COMMON NAIL	8d RING SHANK NAIL 8d SCREW SHANK NAIL 0.131 P-NAIL
10d COMMON NAIL	10d RING SHANK NAIL 10d SCREW SHANK NAIL 0.148 P-NAIL
16d COMMON NAIL	16d RING SHANK NAIL 16d SCREW SHANK NAIL
6d COOLER NAIL	#6 x 1 1/4" TYPE S OR W DRYWALL SCREW

HEADER/BEAM SCHEDULE

TYPE	HEADER/BEAM	TYPE	HEADER/BEAM
H-1	DOUBLE 2x8		
H-2	DOUBLE 2x10		
H-3	DOUBLE 2x12		
H-4	(2) 1 3/4" x 11 7/8" LVL		

1. PROVIDE WOOD HEADERS OVER ALL OPENINGS. IF NO HEADER IS SPECIFIED, PROVIDE H-3 AT WALLS SUPPORTING TRUSSES, AND H-1 AT OTHER WALLS.
2. AT DOUBLE 2x HEADER/BEAMS PROVIDE A 3/8" PLYWOOD (OR O.S.B.) SPACER BETWEEN MEMBERS.
3. NAIL ALL MULTI-MEMBER HEADERS AND BEAMS TOGETHER WITH 16d NAILS AT 12" O.C. TOP AND BOTTOM, EACH SIDE, STAGGERED.
4. PROVIDE DOUBLE WOOD STUD UNDER WOOD HEADER EA END U.N.O.

ROOF FASTENING ZONES
GABLE ROOF



HIP ROOF

ROOF SHEATHING FASTENING SCHEDULE:
USE 8d COMMON NAIL

PANEL EDGES PANEL FIELD
① NAILS 6" O.C. ① NAILS 6" O.C.
② NAILS 6" O.C. ② NAILS 6" O.C.
③ NAILS 4" O.C. ③ NAILS 6" O.C.

NOTE: USE 8d RING SHANK NAILS IN ZONE ③

ISSUE HISTORY

No.	Date	Description
1	May 31, 2013	PERMIT ISSUE

REVISION HISTORY

No.	Date	Description
1		



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ASE ENGINEERING SERVICES, INC.
STRUCTURAL DESIGN GROUP
TO THE BEST OF MY KNOWLEDGE, THE BUILDING DESIGN PLANS AND SPECIFICATIONS CONFORM TO THE BUILDING STRUCTURAL CODE, THE SPACING AND SIZES OF THE PLANS AND SPECIFICATIONS ARE ONLY FOR THE BUILDING STRUCTURAL COMPONENTS AFFECTED BY WIND, LOAD AND GRAVITY LOADS.
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Orlando, Florida 32817 - 407-677-5565 Fax 407-730-2999
Certificate of Authorization No. 25873

Wenyi Hu P.E.
Tennessee No. 00111523

BRIDGEWAY APARTMENTS

CHATTANOOGA, TN

GENERAL NOTES

BLDG TYPE 1, 2 & 3

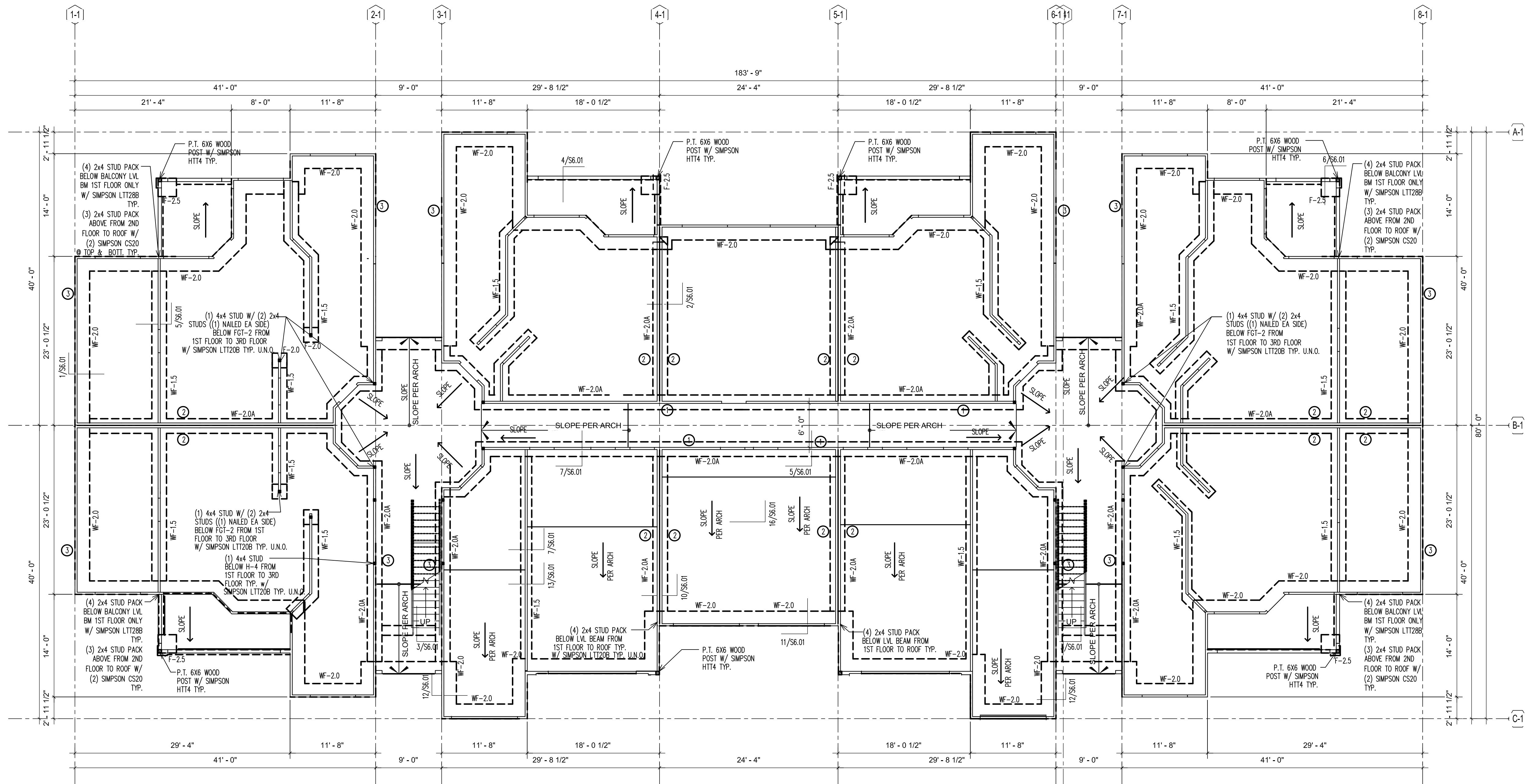
S0.01



PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEETS S0.01 & S0.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN, VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 4" (TOTAL) CONCRETE SLAB REINFORCED WITH 6x6-W1.4xW1.4 W.W.F. OVER 10 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES, DEPRESSIONS AND LIMITS THERE OF WITH ARCH'L. DRAWINGS (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L. AND / OR CIVIL DRAWINGS)
- 4 PRIOR TO CONCRETE PLACEMENT PROVIDE TERMITE SOIL TREATMENT WITH TEN YEAR WARRANTY AND FOUR ANNUAL INSPECTIONS AND RENEWALS. SEE ARCHITECTURAL FOR REQUIREMENT.
- 5 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET S0.02 FOR SHEAR WALL INFORMATION.
- 6 THE MAX. SPACING OF CONTROL JOINT FOR ENCLOSURE SPACE SHALL BE 20'-0" O.C., AND FOR OPEN SPACE SHALL BE 8'-0" O.C. COORD. W/ FLOOR COVERING PLACEMENT. SEND SUBMITTAL TO ARCHITECT FOR REVIEW.
- 7 SEE ARCH'L. DRAWINGS FOR LOCATIONS / LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES.
- 8 COORDINATE ALL SLAB (TOPPING) SLOPES AND DEPRESSIONS WITH ARCH'L. DRAWINGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L. DRAWINGS)
- 9 SEE MECHANICAL DRAWINGS FOR LOCATION (ON PLANK) OF MECHANICAL UNITS. H.C. MANUFACTURER / SUPPLIER TO DESIGN FOR UNIT WEIGHT. AS REQUIRED VERIFY WEIGHTS WITH MECHANICAL DRAWINGS.

MARK	SIZE	REINFORCEMENT
	WIDTH x LENGTH x DEPTH	BOTTOM
WF-1.5	1'-6"xCONT.x12"	(2)-#5's CONT. #4's @ 48" O.C. TRANSVERSE
WF-2.0	2'-0"xCONT.x26"	(2)-#5's CONT. #4's @ 48" O.C. TRANSVERSE
WF-2.0A	2'-0"xCONT.x12"	(3)-#5's CONT. #4's @ 48" O.C. TRANSVERSE
F-2.0	2'-0"x2'-0"x12"	(3)-#5's EA WAY
F-2.5	2'-6"x2'-6"x26"	(3)-#5's EA WAY



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

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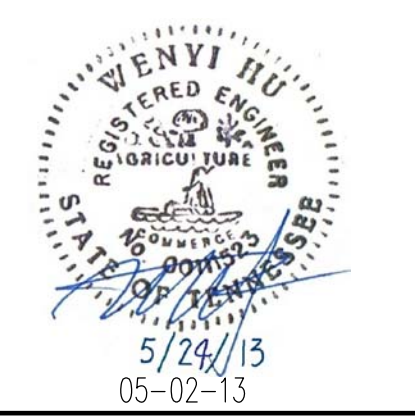
Wenyi Hu P.E.
Tennessee No. 00111523

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

FOUNDATION PLAN
BLDG TYPE 1

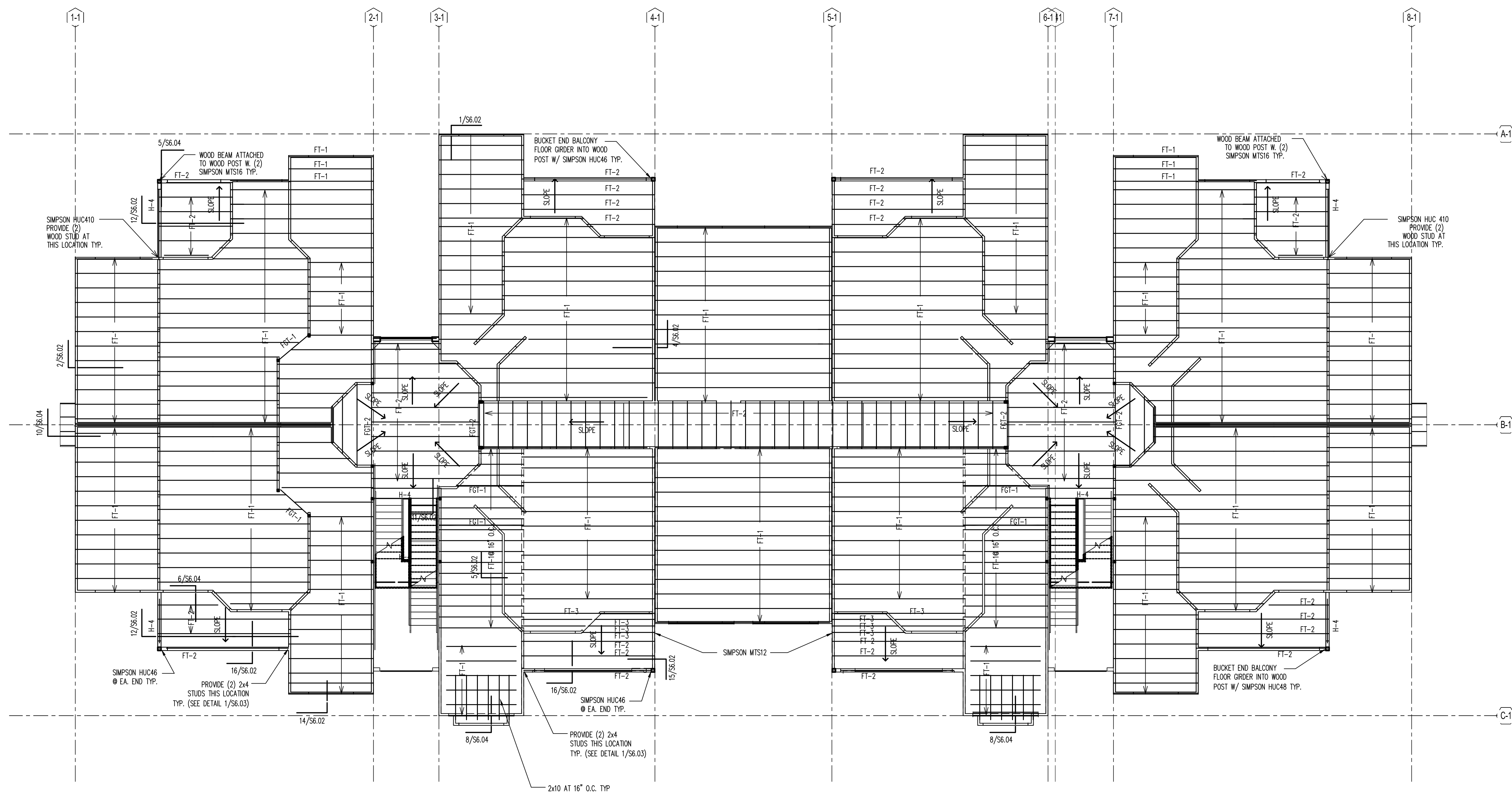
Drawn: CW
Checked: MK
Approved: WH
Date: 05-02-13
Project #: 5166

S1.01



PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET S0.01 & S0.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN, VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET S0.02 FOR SHEAR WALL INFORMATION.
- 4 SEE ARCH'L DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET S0.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 5 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON S0.01 SHEET.
- 6 PRE-ENGINEERED 20" DEEP WOOD TRUSSES AT 24" O.C. (MAX) U.N.O., 17" DEEP WOOD TRUSSES AT 24" O.C. (MAX) U.N.O AT BALCONY/BREEZEWAY WITH 3/4" P.T. C-D PLYWOOD SHEATHING. COORDINATE LOCATION OF FLOOR TRUSSES W/ MECH. DWGS FOR LOCATION OF EXHAUST FAN, AIR HANDLING, AND DUCTS.
- 7 F.G.T. INDICATES FLOOR GIRDER TRUSS.
- 8 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 9 SEE THE GENERAL NOTES FOR FLOOR SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 10 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. CONTINUOUS TO THE FTG. U.N.O. (PROVIDE (2) 2X4 WOOD BLOCKING BETWEEN TRUSS TOP AND BOTTOM CORDS BELOW)



1 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"

ISSUE HISTORY		
No.	Date	Description
1	May 31, 2013	PERMIT ISSUE

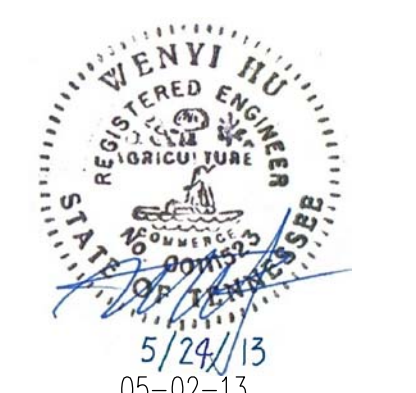
REVISION HISTORY		
No.	Date	Description


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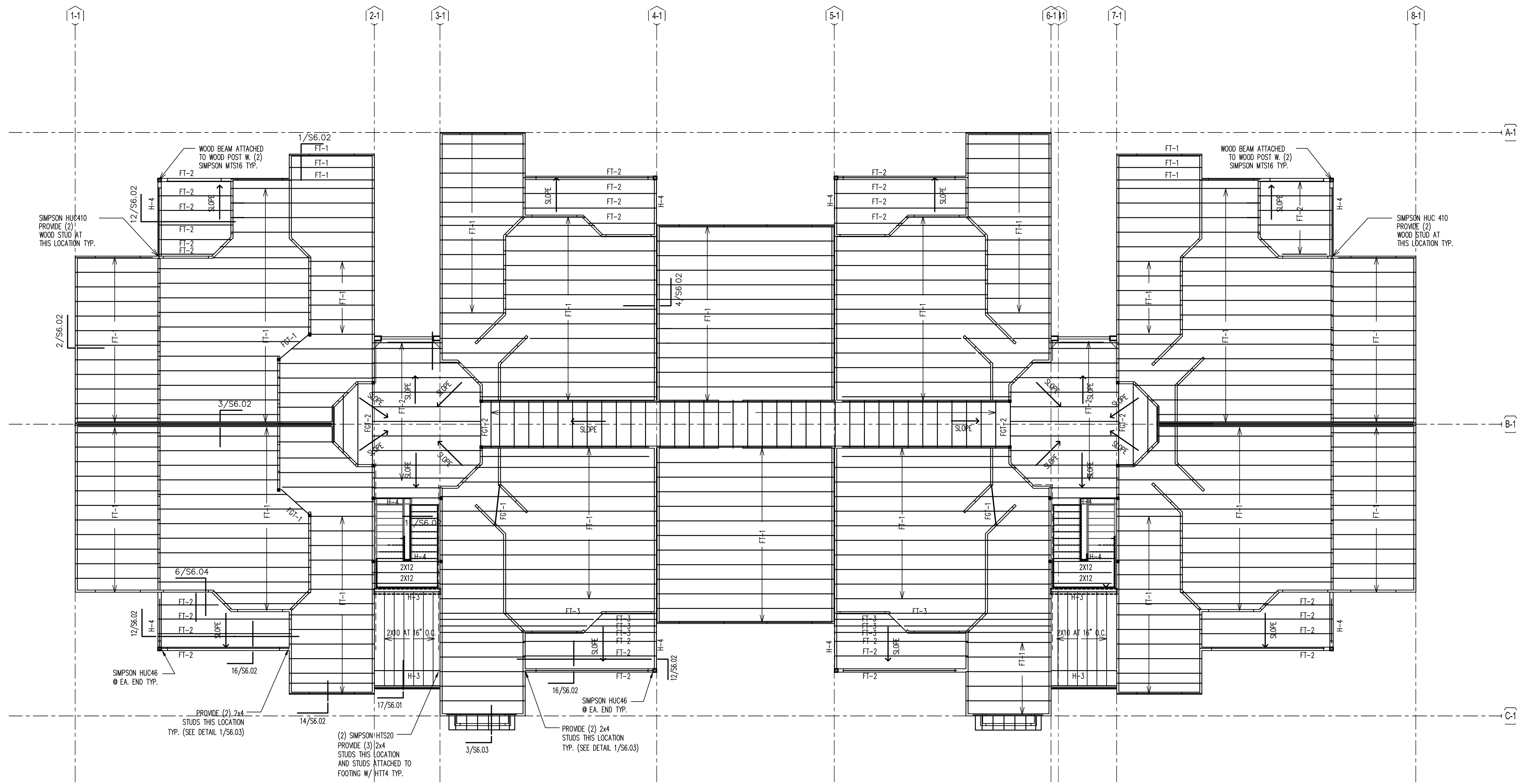
BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Drawn: CW
 Checked: MK
 Approved: WH
 Date: 05-02-13
 Project #: 5166

2ND FLOOR PLAN
 BLDG TYPE 1
 S1.02


 5/24/13
 05-02-13

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET S0.01 & S0.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN, VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET S0.02 FOR SHEAR WALL INFORMATION.
- 4 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET S0.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 5 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON S0.01 SHEET.
- 6 PRE-ENGINEERED 20" DEEP WOOD TRUSSES AT 24" O.C. (MAX) U.N.O., 17" DEEP WOOD TRUSSES AT 24" O.C. (MAX) U.N.O. AT BALCONY/BREEZEWAY WITH 3/4" P.T. C-D PLYWOOD SHEATHING. COORDINATE LOCATION OF FLOOR TRUSSES W/ MECH. DWGS FOR LOCATION OF EXHAUST FAN, AIR HANDLING, AND DUCTS.
- 7 F.G.T. INDICATES FLOOR GIRDER TRUSS.
- 8 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 9 SEE THE GENERAL NOTES FOR FLOOR SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 10 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. CONTINUOUS TO THE FTG. U.N.O. (PROVIDE (2) 2X4 WOOD BLOCKING BETWEEN TRUSS TOP AND BOTTOM CORDS BELOW)



1 3RD FLOOR PLAN
SCALE: 1/8" = 1'-0"

ISSUE HISTORY		
No.	Date	Description
1	May 31, 2013	PERMIT ISSUE

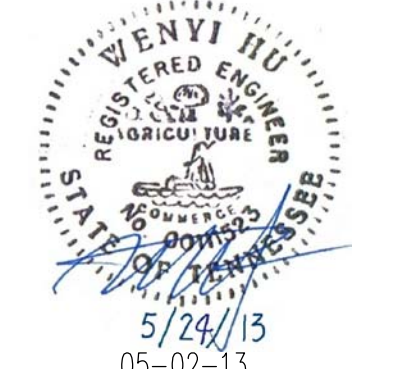
REVISION HISTORY		
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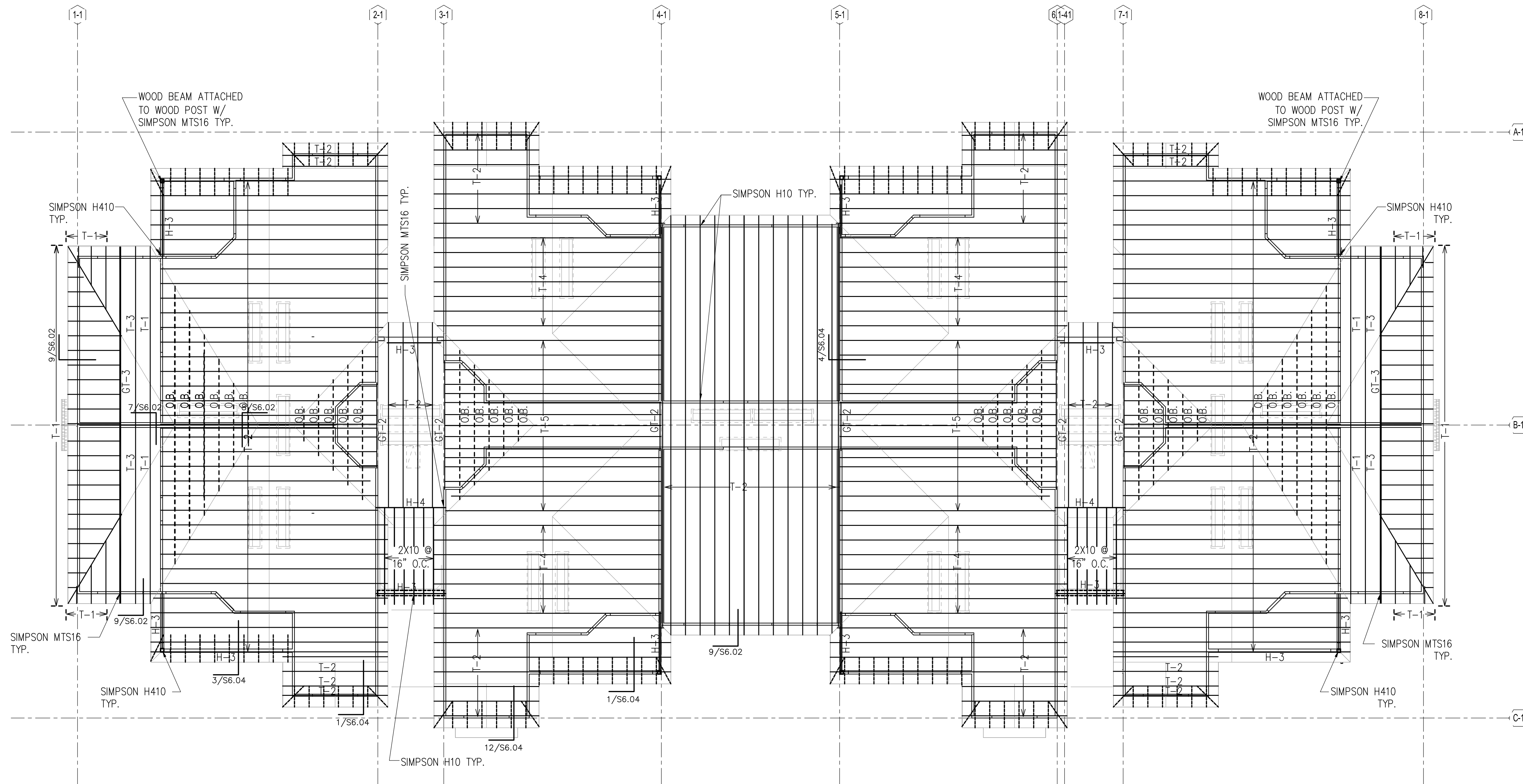
BRIDGEWAY APARTMENTS CHATTANOOGA, TN	Drawn: CW
	Checked: MK
	Approved: WH
	Date: 05-02-13
Project #: 5166	

3RD FLOOR PLAN	S1.03
BLDG TYPE 1	


 05-02-13

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET S0.01 & S0.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN, VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 SEE ARCH'L DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET S0.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 4 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON S0.01 SHEET.
- 5 PRE-ENGINEERED WOOD TRUSSES & MISCELLANEOUS WOOD FRAMING SPACED AT 24"O.C.(MAX).
- 6 O.B. INDICATES OVER-BUILT PRE-ENG. TRUSS.
- 7 G.T. INDICATES GIRDER TRUSS.
- 8 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 9 SEE THE GENERAL NOTES FOR ROOF SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 10 TRUSS ENGINEER TO DESIGN TRUSS TO INCORPORATE LOADS FROM MECHANICAL UNITS.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. TO THE FTG. U.N.O.



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

ISSUE HISTORY		
No.	Date	Description
1	May 31, 2013	PERMIT ISSUE

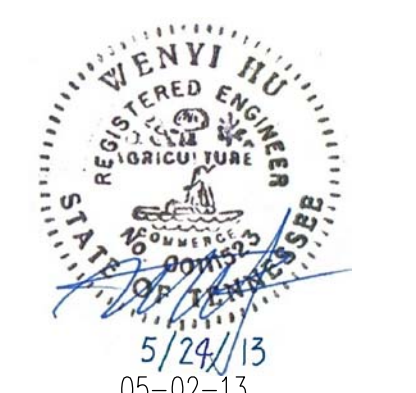
REVISION HISTORY		
No.	Date	Description


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 Tennessee No. 00111523

BRIDGEWAY APARTMENTS CHATTANOOGA, TN	Drawn: CW
	Checked: MX
	Approved: WH
	Date: 05-02-13
Project #: 5166	

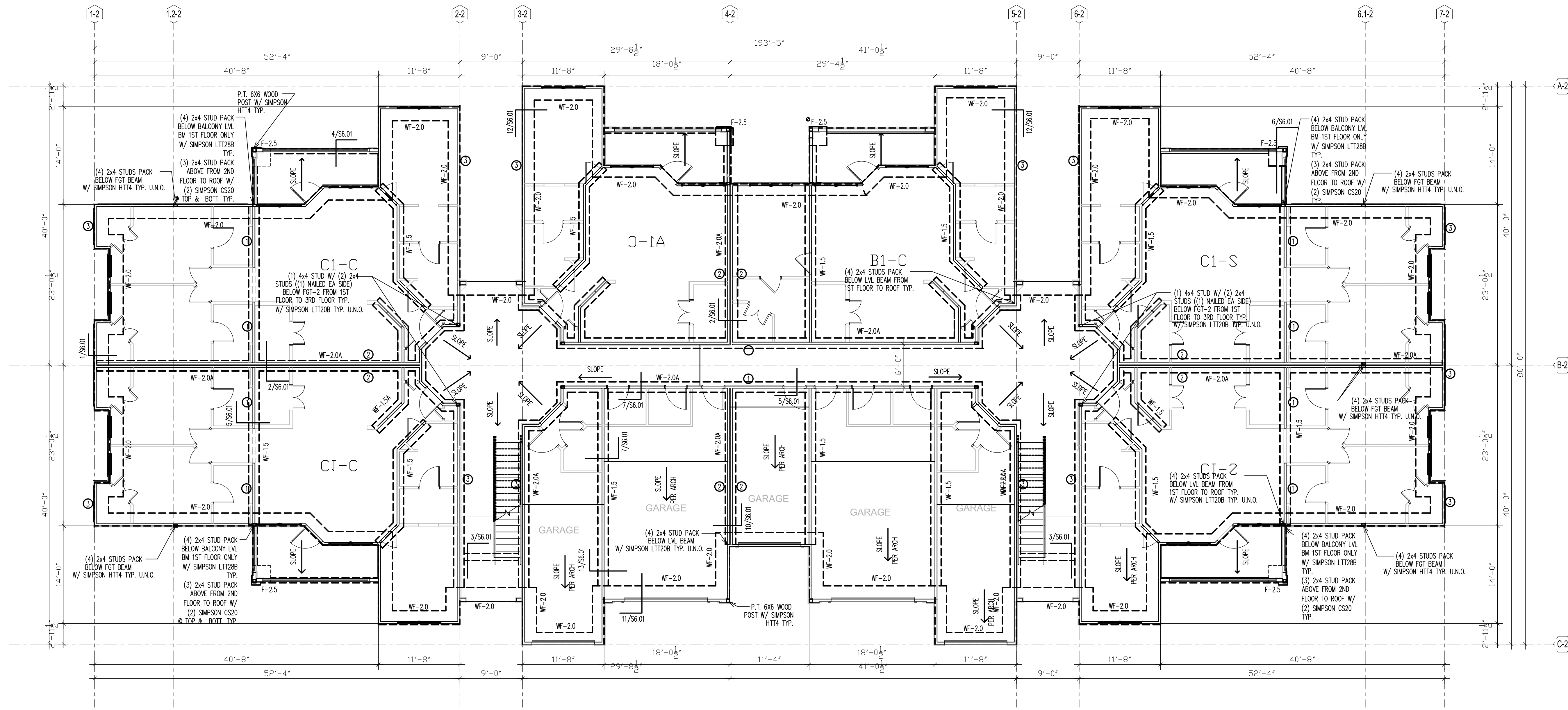
ROOF FRAMING PLAN BLDG TYPE 1	S1.04
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 WENYI HU
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF TENNESSEE
 No. 00111523
 5/24/13
 05-02-13

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEETS S0.01 & S0.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN, VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 4" (TOTAL) CONCRETE SLAB REINFORCED WITH 6x6-W1.4xW1.4 W.W.F. OVER 10 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES, DEPRESSIONS AND LIMITS THERE OF WITH ARCH'L DRAWINGS (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L AND / OR CIVIL DRAWINGS)
- 4 PRIOR TO CONCRETE PLACEMENT PROVIDE TERMITE SOIL TREATMENT WITH TEN YEAR WARRANTY AND FOUR ANNUAL INSPECTIONS AND RENOVALS. SEE ARCHITECTURAL FOR REQUIREMENT.
- 5 INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET S0.02 FOR SHEAR WALL INFORMATION.
- 6 THE MAX. SPACING OF CONTROL JOINT FOR ENCLOSURE SPACE SHALL BE 20'-0" O.C., AND FOR OPEN SPACE SHALL BE 8'-0" O.C. COORD. W/ FLOOR COVERING PLACEMENT. SEND SUBMITTAL TO ARCHITECT FOR REVIEW.
- 7 SEE ARCH'L DRAWINGS FOR LOCATIONS / LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES.
- 8 COORDINATE ALL SLAB (TOPPING) SLOPES AND DEPRESSIONS WITH ARCH'L DRAWINGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L DRAWINGS)
- 9 SEE MECHANICAL DRAWINGS FOR LOCATION (ON PLANK) OF MECHANICAL UNITS. H.C. MANUFACTURER / SUPPLIER TO DESIGN FOR UNIT WEIGHT. AS REQUIRED VERIFY WEIGHTS WITH MECHANICAL DRAWINGS.

MARK	SIZE		REINFORCEMENT BOTTOM
	WIDTH x LENGTH x DEPTH		
WF-1.5	1'-6"xCONT.x12"	(2)-#5's CONT. #4's @ 48" O.C. TRANSVERSE	
WF-2.0	2'-0"xCONT.x26"	(2)-#5's CONT. #4's @ 48" O.C. TRANSVERSE	
WF-2.0A	2'-0"xCONT.x12"	(3)-#5's CONT. #4's @ 48" O.C. TRANSVERSE	
F-2.0	2'-0"x2'-0"x12"	(3)-#5's EA WAY	
F-2.5	2'-6"x2'-6"x26"	(3)-#5's EA WAY	



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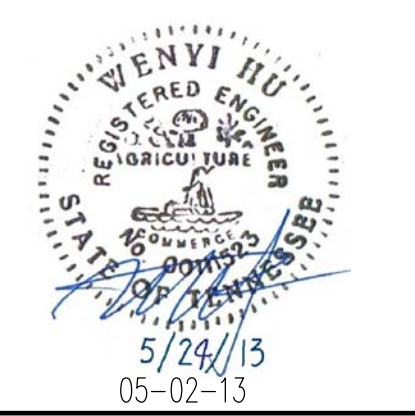
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

Drawn: CW
Checked: MK
Approved: WH
Date: 05-02-13
Project #: 5166

FOUNDATION PLAN
BLDG TYPE 2

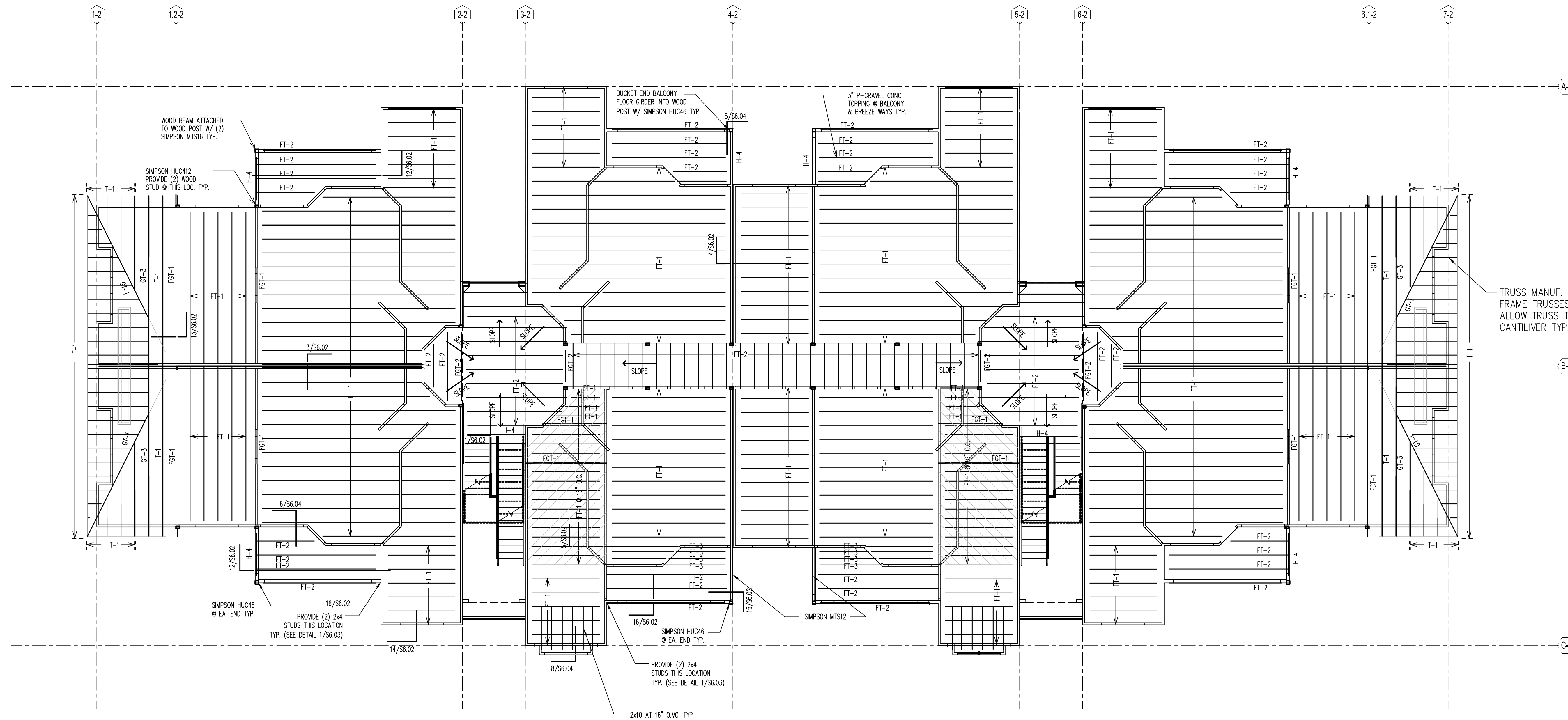
S2.01

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



PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET S0.01 & S0.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN, VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET S0.02 FOR SHEAR WALL INFORMATION.
- 4 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET S0.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 5 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON S0.01 SHEET.
- 6 PRE-ENGINEERED 20" DEEP WOOD TRUSSES AT 24" O.C. (MAX) U.N.O., 17" DEEP WOOD TRUSSES AT 24" O.C. (MAX) U.N.O AT BALCONY/BREEZEWAY WITH 3/4" P.T. C-D PLYWOOD SHEATHING. COORDINATE LOCATION OF FLOOR TRUSSES W/ MECH. DWGS FOR LOCATION OF EXHAUST FAN, AIR HANDLING, AND DUCTS.
- 7
- 8 F.G.T. INDICATES FLOOR GIRDER TRUSS.
- 9 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 10 SEE THE GENERAL NOTES FOR FLOOR SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. CONTINUOUS TO THE FTG. U.N.O. (PROVIDE (2) 2X4 WOOD BLOCKING BETWEEN TRUSS TOP AND BOTTOM CORDS BELOW)



TRUSS MANUF. TO FRAME TRUSSES TO ALLOW TRUSS TO CANTILIVER TYP.

ISSUE HISTORY		
No.	Date	Description
1	May 31, 2013	PERMIT ISSUE

REVISION HISTORY		
No.	Date	Description
1		

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 www.fuglebergkoch.com AA26002103

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STRUCTURAL DESIGN GROUP

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 Orlando, Florida 32817 - 407-677-5565 Fax 407-730-2999
 Certificate of Authorization No. 25873

Wenji Hu P.E.
 Tennessee No. 00111523

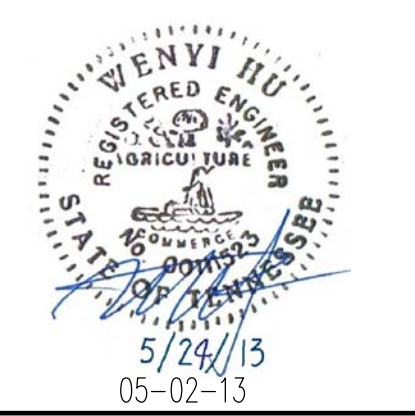
BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN

Drawn: CW
 Checked: MX
 Approved: WH
 Date: 05-02-13
 Project #: 5166

2ND FLOOR PLAN
 BLDG TYPE 2

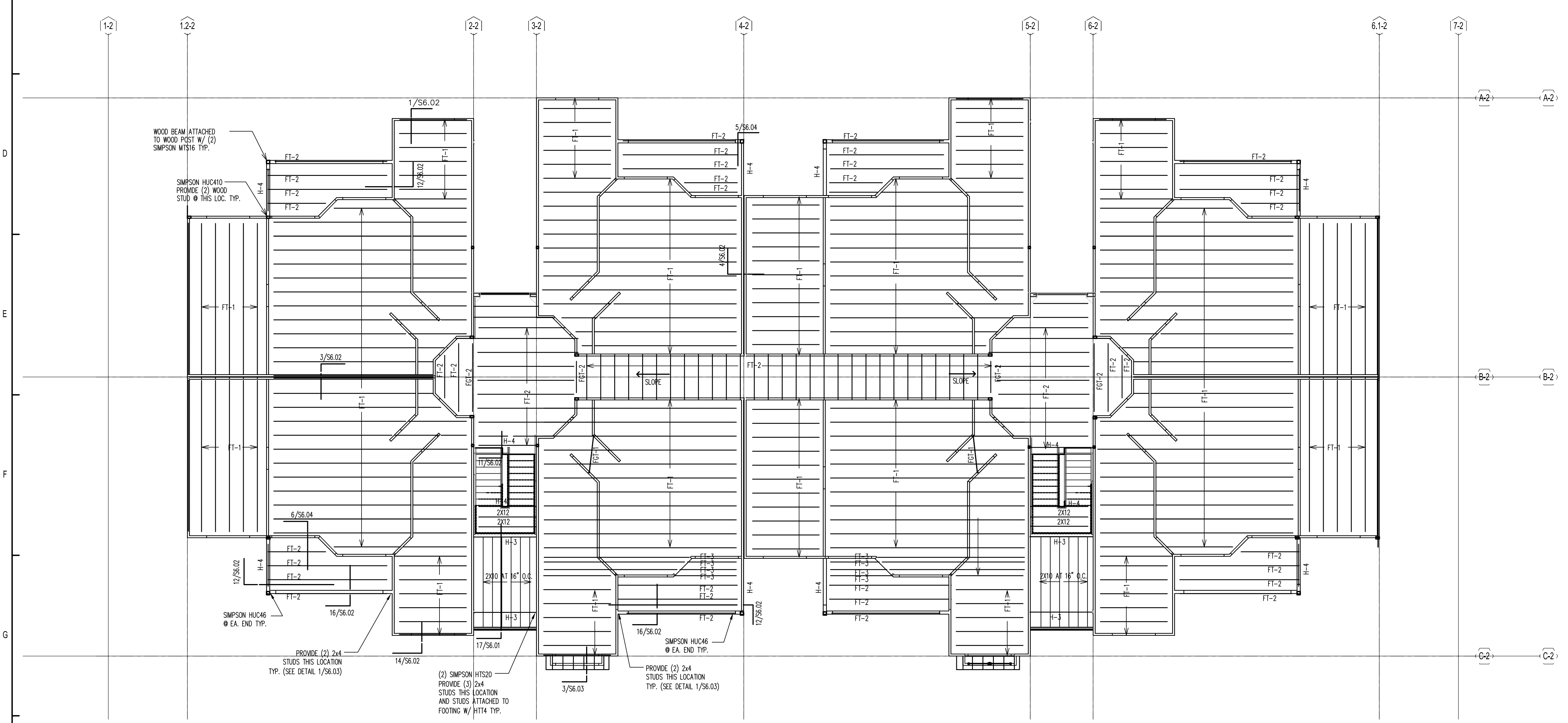
S2.02

1 2ND FLOOR PLAN
 SCALE: 1/8" = 1'-0"



PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET S0.01 & S0.02.
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1 3RD FLOOR PLAN
SCALE: 1/8" = 1'-0"

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REVISION HISTORY

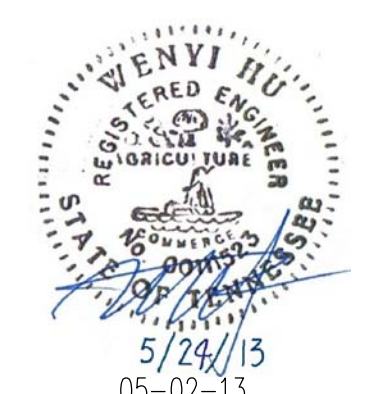
No.	Date	Description
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BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Drawn: CW
 Checked: MK
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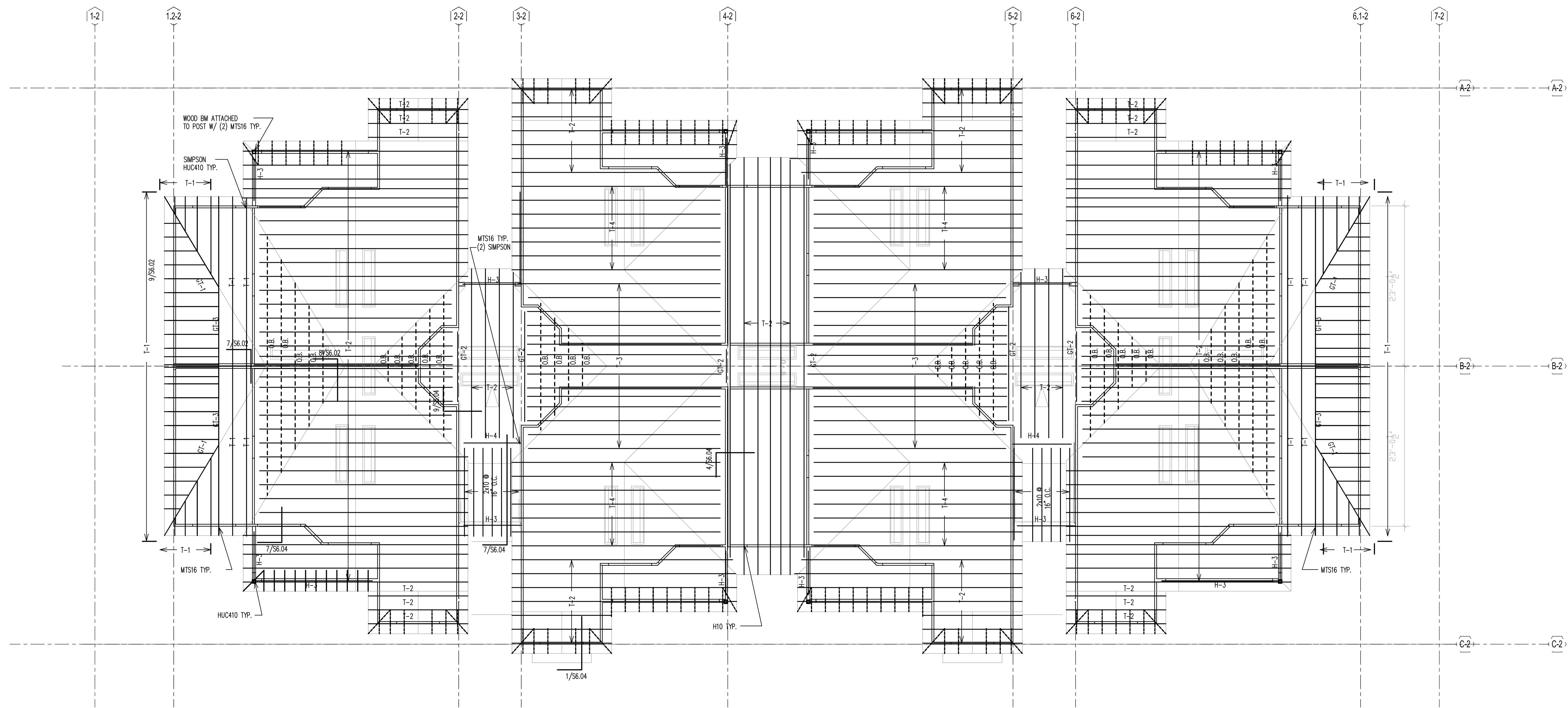
3RD FLOOR PLAN
 BLDG TYPE 2
 S2.03


 5/24/13
 05-02-13

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PLAN NOTES:

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- 5 PRE-ENGINEERED WOOD TRUSSES & MISCELLANEOUS WOOD FRAMING SPACED AT 24" O.C. (MAX).
- 6 O.B. INDICATES OVER-BUILT PRE-ENG. TRUSS.
- 7 G.T. INDICATES GIRDER TRUSS.
- 8 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 9 SEE THE GENERAL NOTES FOR ROOF SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 10 TRUSS ENGINEER TO DESIGN TRUSS TO INCORPORATE LOADS FROM MECHANICAL UNITS.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. TO THE FTG. U.N.O.



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

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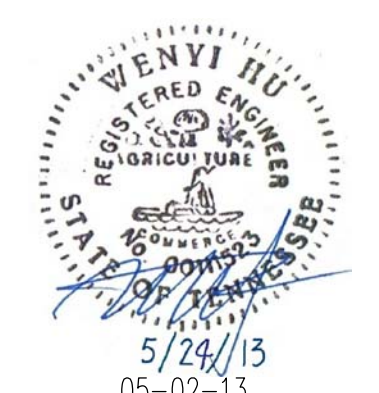
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 Wenyi Hu P.E.
 Tennessee No. 00111523

BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Drawn: CW
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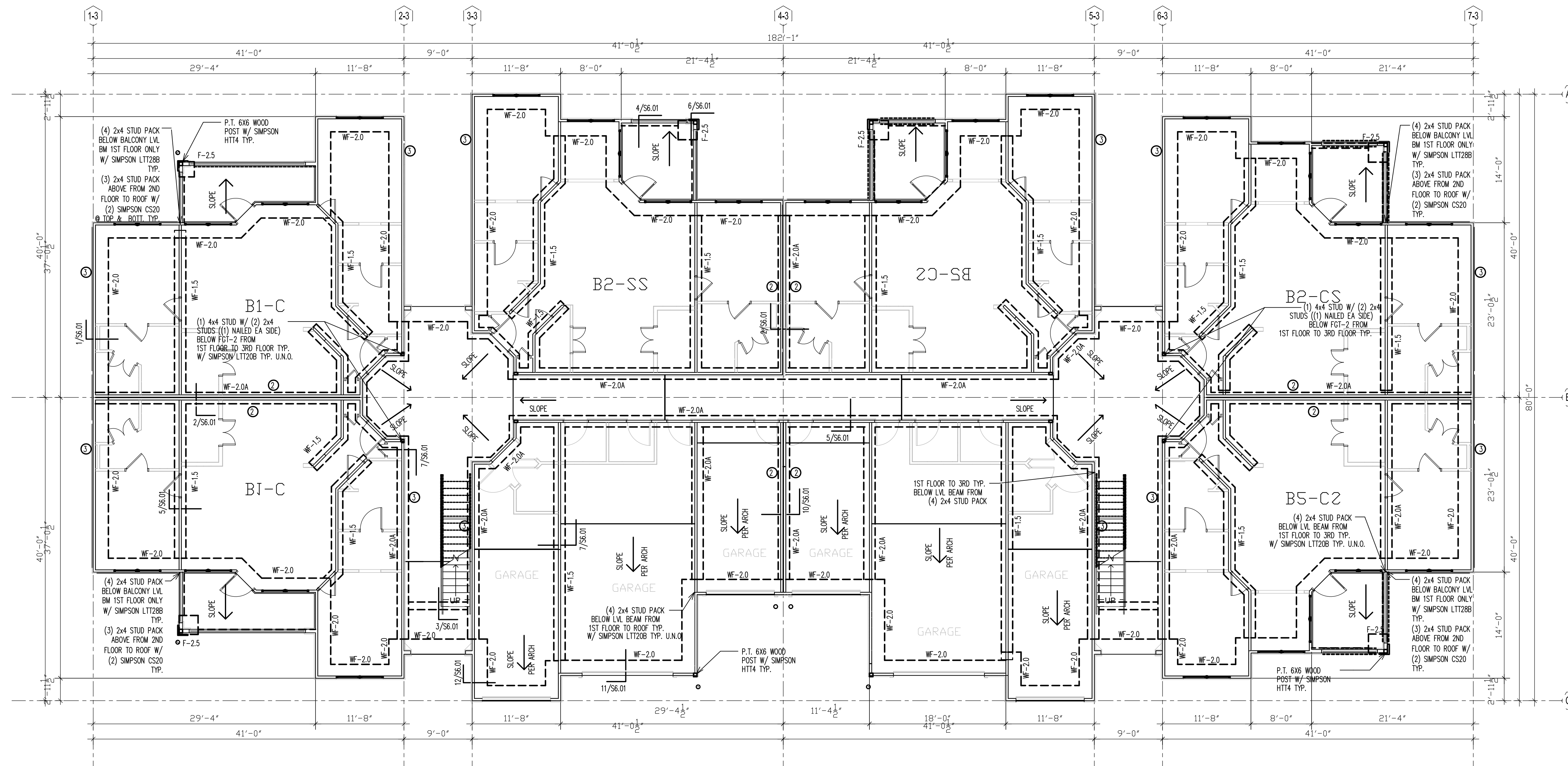
ROOF FRAMING PLAN
 BLDG TYPE 2
 S2.04


 WENYI HU
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF TENNESSEE
 No. 00111523
 5/24/13
 05-02-13

PLAN NOTES:

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- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 4" (TOTAL) CONCRETE SLAB REINFORCED WITH 6x6-W1.4xw1.4 W.W.F. OVER 10 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES, DEPRESSIONS AND LIMITS THERE OF WITH ARCH'L DRAWINGS (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L AND / OR CIVIL DRAWINGS)
- 4 PRIOR TO CONCRETE PLACEMENT PROVIDE TERMITE SOIL TREATMENT WITH TEN YEAR WARRANTY AND FOUR ANNUAL INSPECTIONS AND RENEWALS. SEE ARCHITECTURAL FOR REQUIREMENT.
- 5 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET S0.02 FOR SHEAR WALL INFORMATION.
- 6 THE MAX. SPACING OF CONTROL JOINT FOR ENCLOSURE SPACE SHALL BE 20'-0" O.C., AND FOR OPEN SPACE SHALL BE 8'-0" O.C. COORD. W/ FLOOR COVERING PLACEMENT. SEND SUBMITTAL TO ARCHITECT FOR REVIEW.
- 7 SEE ARCH'L DRAWINGS FOR LOCATIONS / LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES.
- 8 COORDINATE ALL SLAB (TOPPING) SLOPES AND DEPRESSIONS WITH ARCH'L DRAWINGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L DRAWINGS)
- 9 SEE MECHANICAL DRAWINGS FOR LOCATION (ON PLANK) OF MECHANICAL UNITS. H.C. MANUFACTURER / SUPPLIER TO DESIGN FOR UNIT WEIGHT. AS REQUIRED VERIFY WEIGHTS WITH MECHANICAL DRAWINGS.

MARK	SIZE	REINFORCEMENT BOTTOM
	WIDTH x LENGTH x DEPTH	
WF-1.5	1'-6"xCONT.x12"	(2)-#5's CONT. #4's @ 48" O.C. TRANSVERSE
WF-2.0	2'-0"xCONT.x26"	(2)-#5's CONT. #4's @ 48" O.C. TRANSVERSE
WF-2.0A	2'-0"xCONT.x12"	(3)-#5's CONT. #4's @ 48" O.C. TRANSVERSE
F-2.0	2'-0"x2'-0"x12"	(3)-#5's EA WAY
F-2.5	2'-6"x2'-6"x26"	(3)-#5's EA WAY



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

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Certificate of Authorization No. 25873

Wenji Hu P.E.
Tennessee No. 00111523

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

Drawn: CW
Checked: MK
Approved: WH
Date: 05-02-13
Project #: 5166

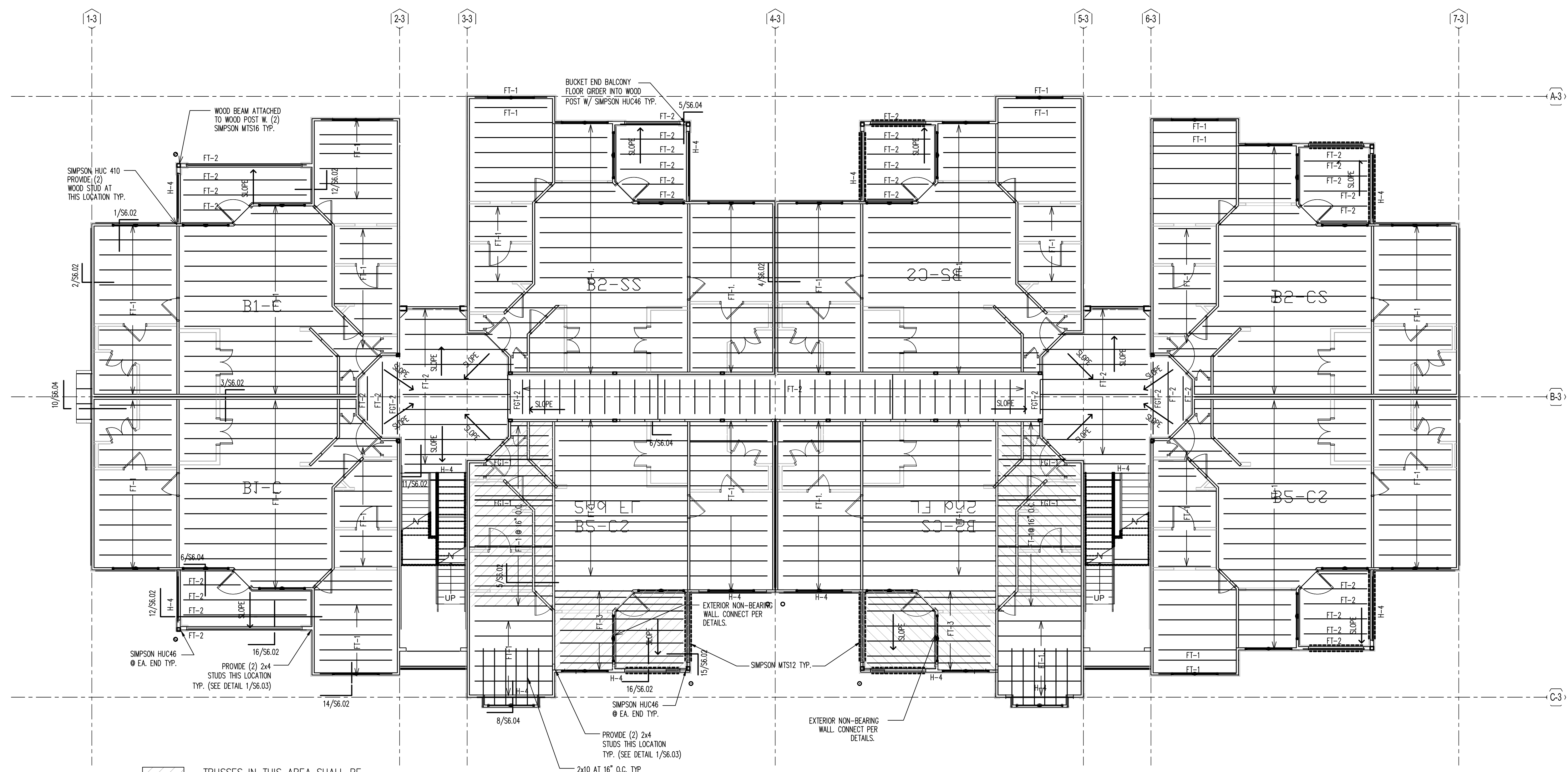
FOUNDATION PLAN
BLDG TYPE 3

S3.01

WENJI HU
REGISTERED ENGINEER
IN STRUCTURAL ENGINEERING
STATE OF TENNESSEE
No. 00111523
5/24/13
05-02-13

PLAN NOTES:

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- 7 F.G.T. INDICATES FLOOR GIRDER TRUSS.
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- 10 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. CONTINUOUS TO THE FTG. U.N.O. (PROVIDE (2) 2X4 WOOD BLOCKING BETWEEN TRUSS TOP AND BOTTOM CORDS BELOW)



TRUSSES IN THIS AREA SHALL BE SPACED AT 16" O.C. AND BE DESIGNED TO CARRY THE 3RD FLOOR LOADS TRANSFERRED DOWN THROUGH THE WALL BEARING APPROXIMATELY MID SPAN OF THESE TRUSSES. A GIRDER SHALL BE PLACED DIRECTLY BELOW THE HEADER STUDS AT THE DOOR OPENING TO TAKE CARE OF THE POINT LOAD FROM THE 3RD FLOOR GIRDER TRUSS SUPPORTING COLUMNS.

PROVIDE AN H-4 HEADER ABOVE ALL GARAGE DOORS

1 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"

ISSUE HISTORY

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Wenji Hu P.E.
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

Drawn: CW
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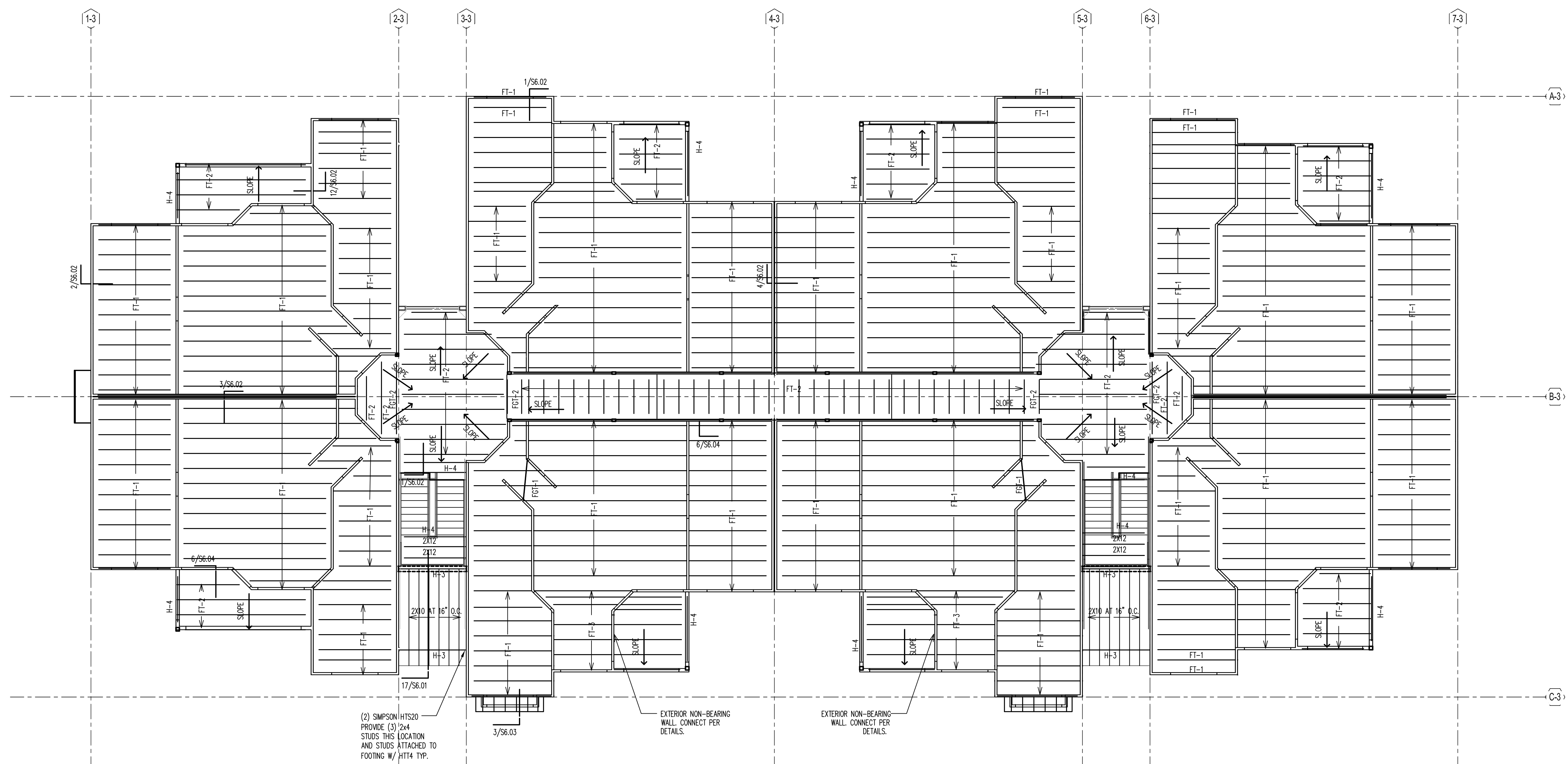
2ND FLOOR PLAN
BLDG TYPE 3

S3.02

WENJI HU
REGISTERED ENGINEER
IN THE STATE OF TENNESSEE
5/24/13
05-02-13

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1 3RD FLOOR PLAN
SCALE: 1/8" = 1'-0"

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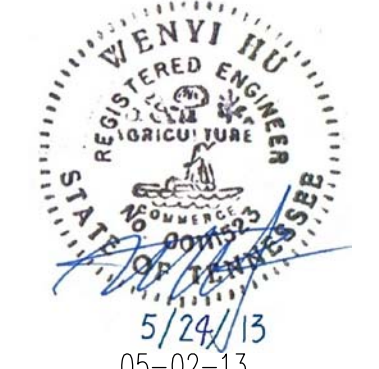
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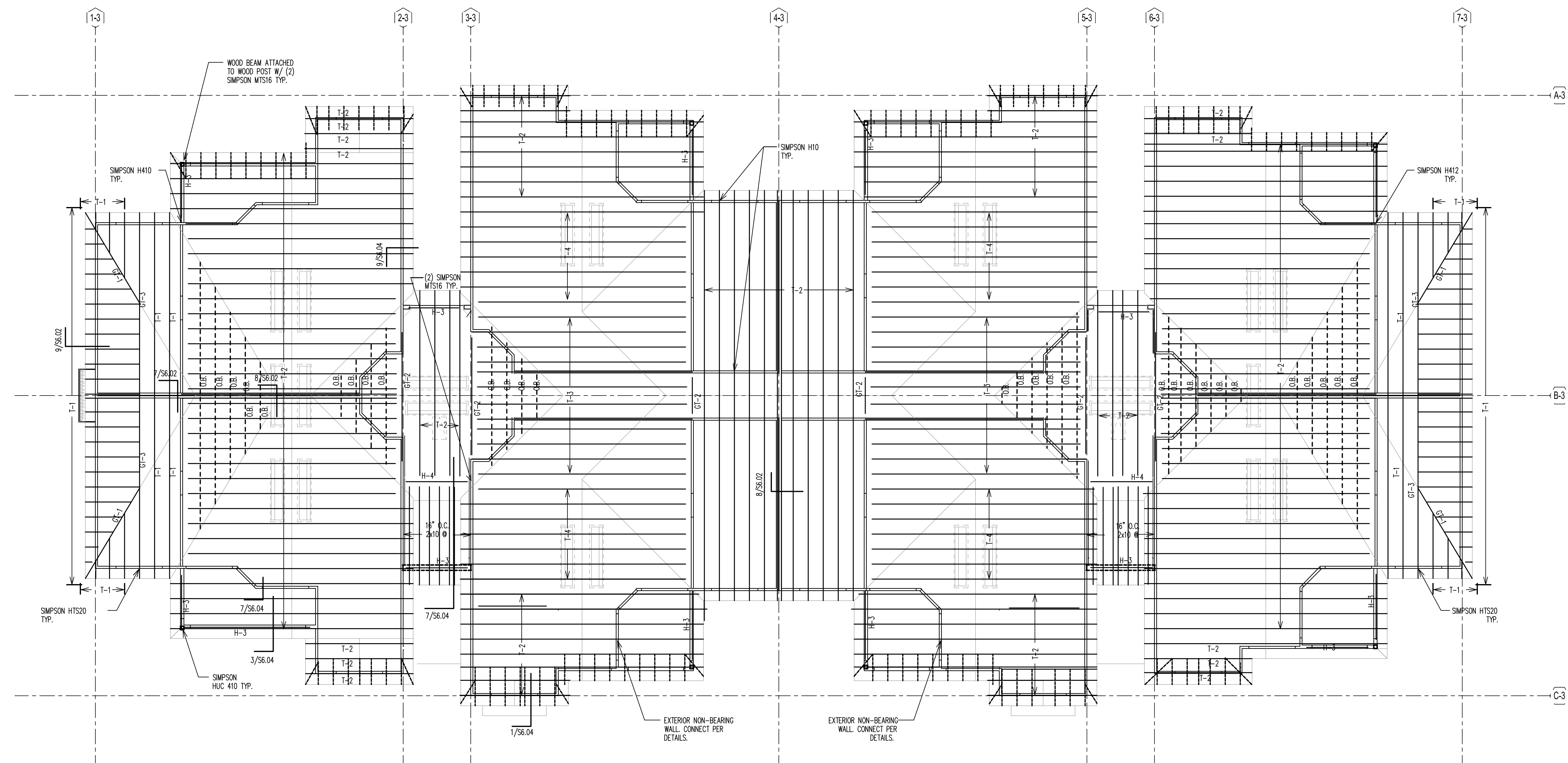
BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Drawn: CW
 Checked: MX
 Approved: WH
 Date: 05-02-13
 Project #: 5166

3RD FLOOR PLAN
 BLDG TYPE 3
S3.03


 WENYU HU
 REGISTERED ENGINEER
 STATE OF TENNESSEE
 No. 00111523
 5/24/13
 05-02-13

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

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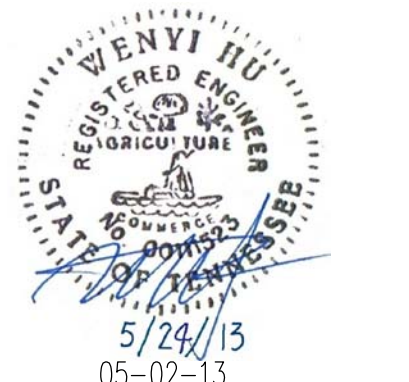
Wanyi Hu P.E.
Tennessee No. 00111523

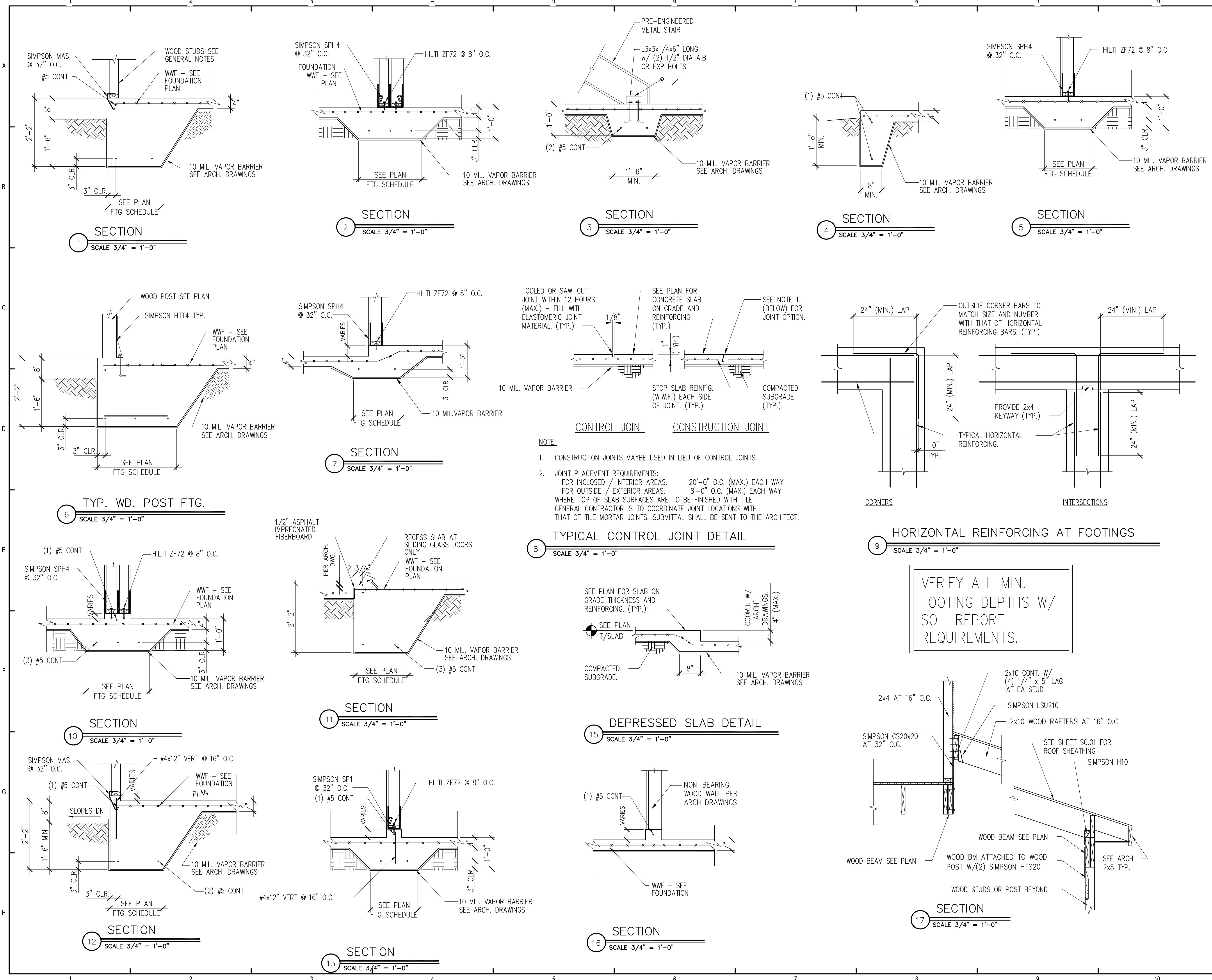
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

ROOF FRAMING PLAN
BLDG TYPE 3

Drawn: CW
Checked: MX
Approved: WH
Date: 05-02-13
Project #: 5166

S3.04





CONTROL JOINT CONSTRUCTION JOINT

NOTE:

- CONSTRUCTION JOINTS MAYBE USED IN LIEU OF CONTROL JOINTS.
- JOINT PLACEMENT REQUIREMENTS:
 FOR INCLOSED / INTERIOR AREAS. 20'-0" O.C. (MAX.) EACH WAY
 FOR OUTSIDE / EXTERIOR AREAS. 8'-0" O.C. (MAX.) EACH WAY
 WHERE TOP OF SLAB SURFACES ARE TO BE FINISHED WITH TILE -
 GENERAL CONTRACTOR IS TO COORDINATE JOINT LOCATIONS WITH
 THAT OF TILE MORTAR JOINTS. SUBMITTAL SHALL BE SENT TO THE ARCHITECT.

VERIFY ALL MIN. FOOTING DEPTHS W/ SOIL REPORT REQUIREMENTS.

ISSUE HISTORY		
No.	Date	Description
1	May 31, 2013	PERMIT ISSUE

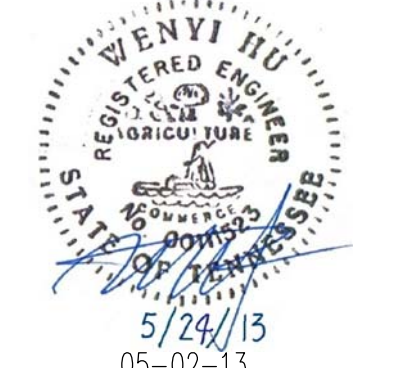
REVISION HISTORY		
No.	Date	Description

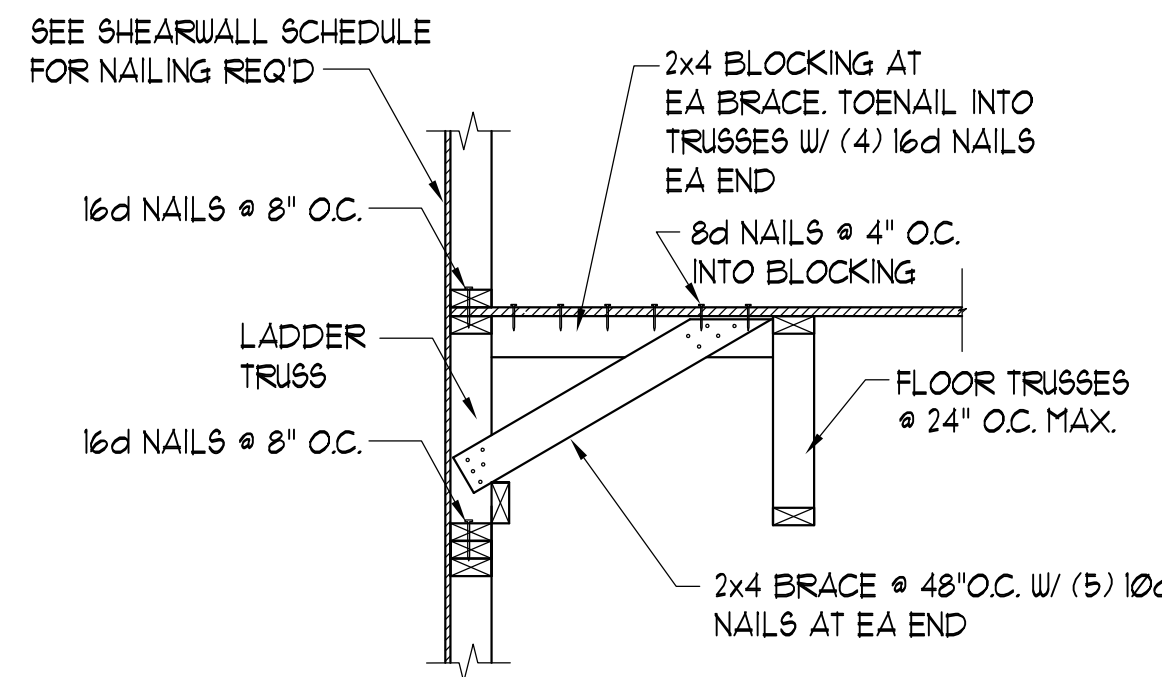

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ASE ENGINEERING SERVICES, INC.
 STRUCTURAL DESIGN GROUP
TO THE BEST OF MY KNOWLEDGE, THE BUILDING DESIGN PLANS AND SPECIFICATIONS CORRELATE WITH BUILDING STRUCTURAL REQUIREMENTS. THE SIGNING AND SEALING OF THESE PLANS AND SPECIFICATIONS ARE ONLY FOR THE BUILDING STRUCTURAL COMPONENTS AFFECTED BY WIND, LOAD AND GRAVITY LOADS.
 10244 East Colonial Drive, Suite 202
 Orlando, Florida 32817 - 407-677-5565 Fax 407-730-2999
 Certificate of Authorization No. 25873
 Wenyi Hu P.E.
 Tennessee No. 00111523

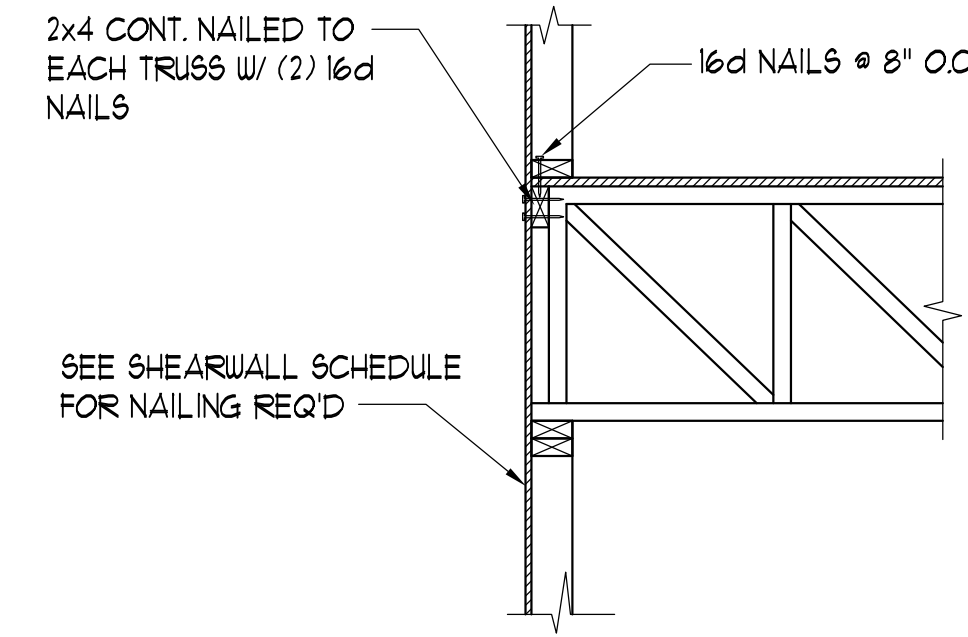
Drawn: CW
Checked: MX
Approved: WH
Date: 05-02-13
Project #: 5166

BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 SECTIONS & DETAILS
 BLDG TYPE 1, 2 & 3
S6.01

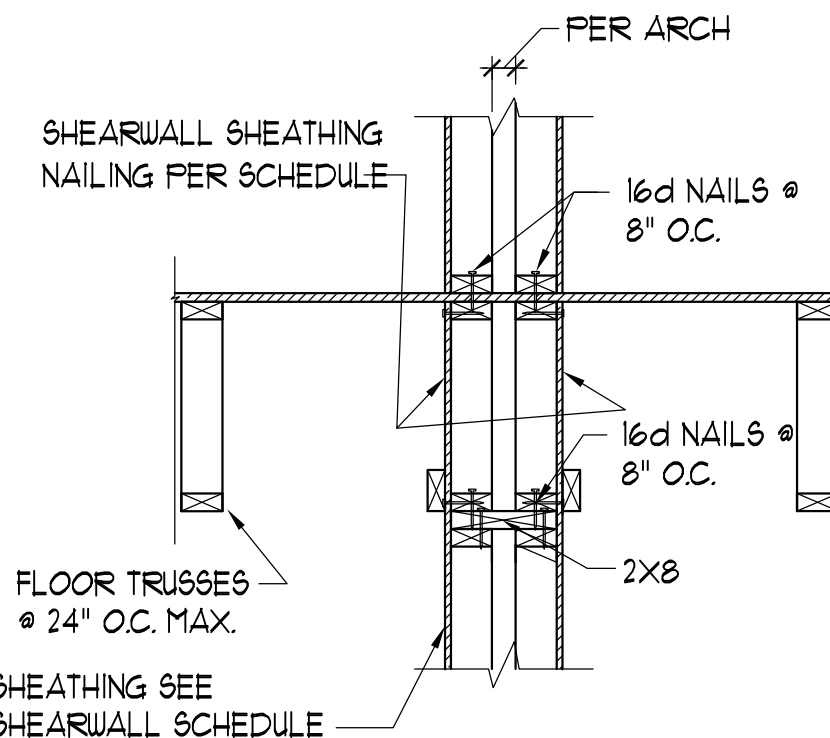

 WENYI HU
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF TENNESSEE
 No. 00111523
 5/24/13
 05-02-13



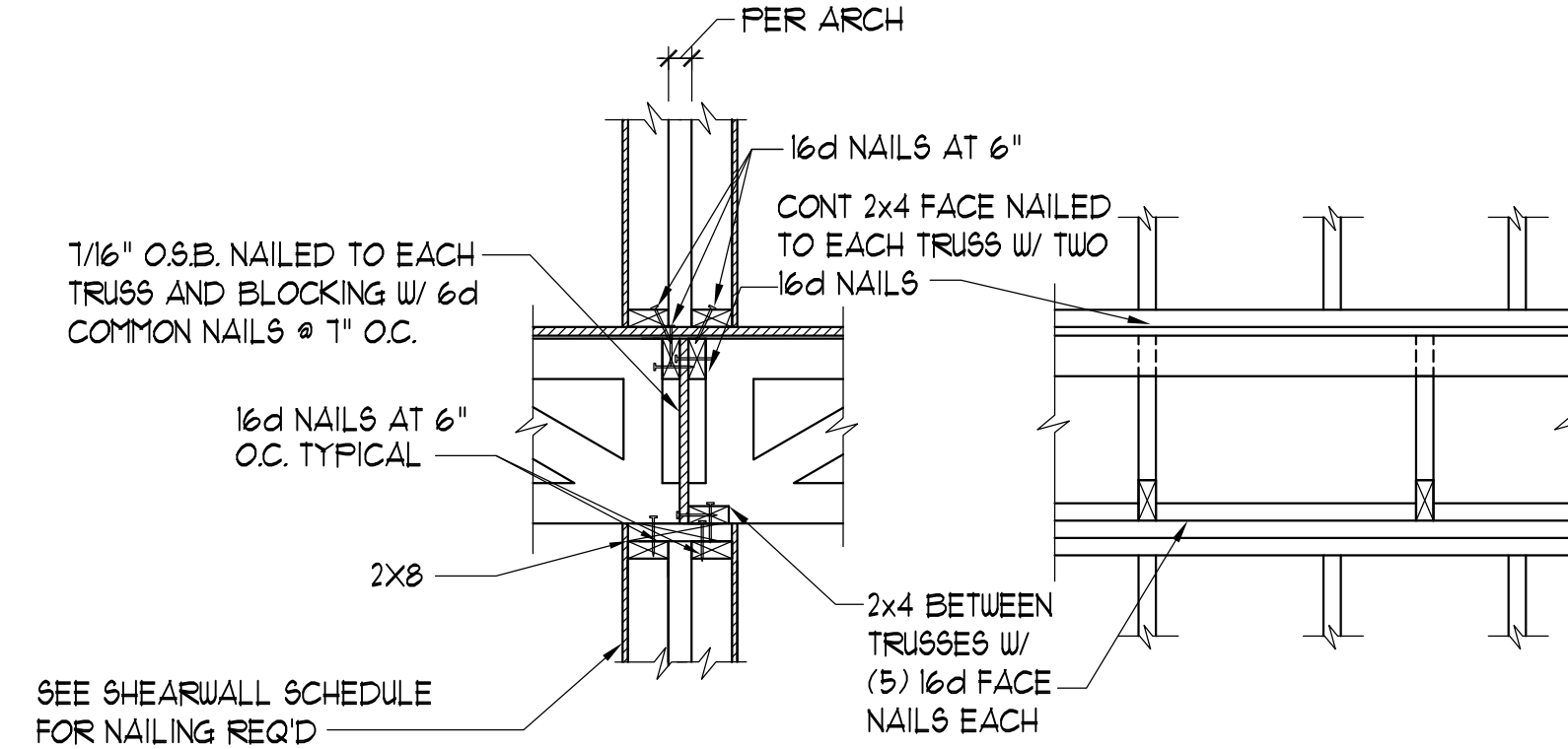
1 BRACING AT END WALL
SCALE 3/4" = 1'-0"



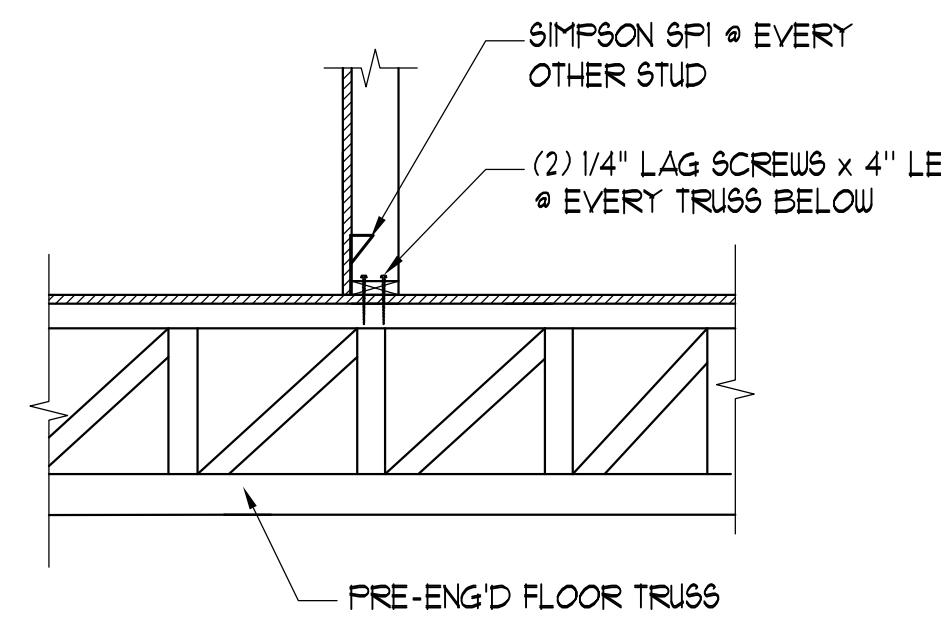
2 SECTION
SCALE 3/4" = 1'-0"



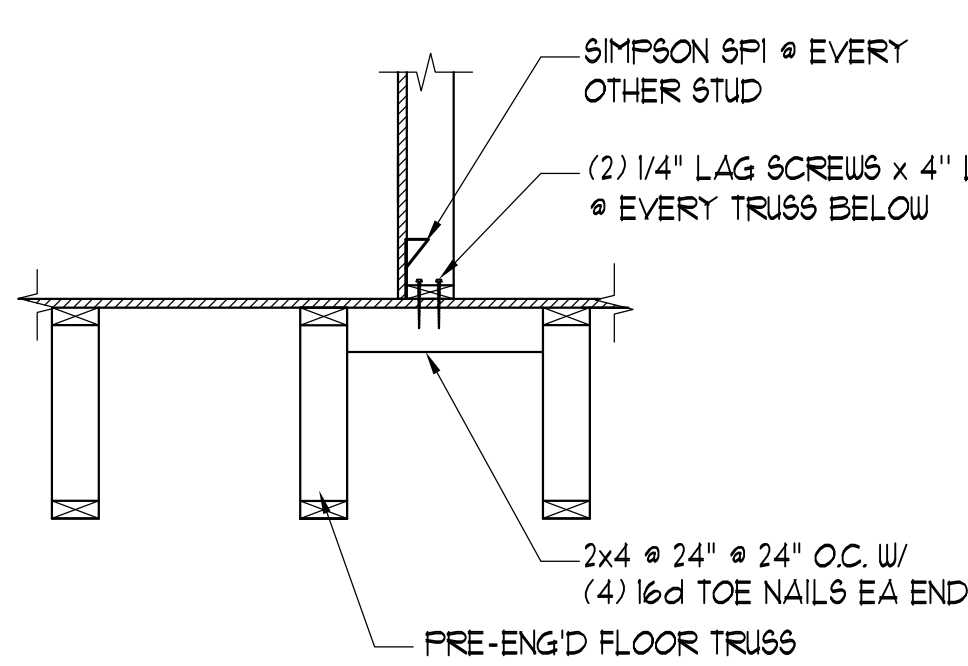
3 TENANT SEP. WALL/SHEARWALL SECTION
SCALE 3/4" = 1'-0"



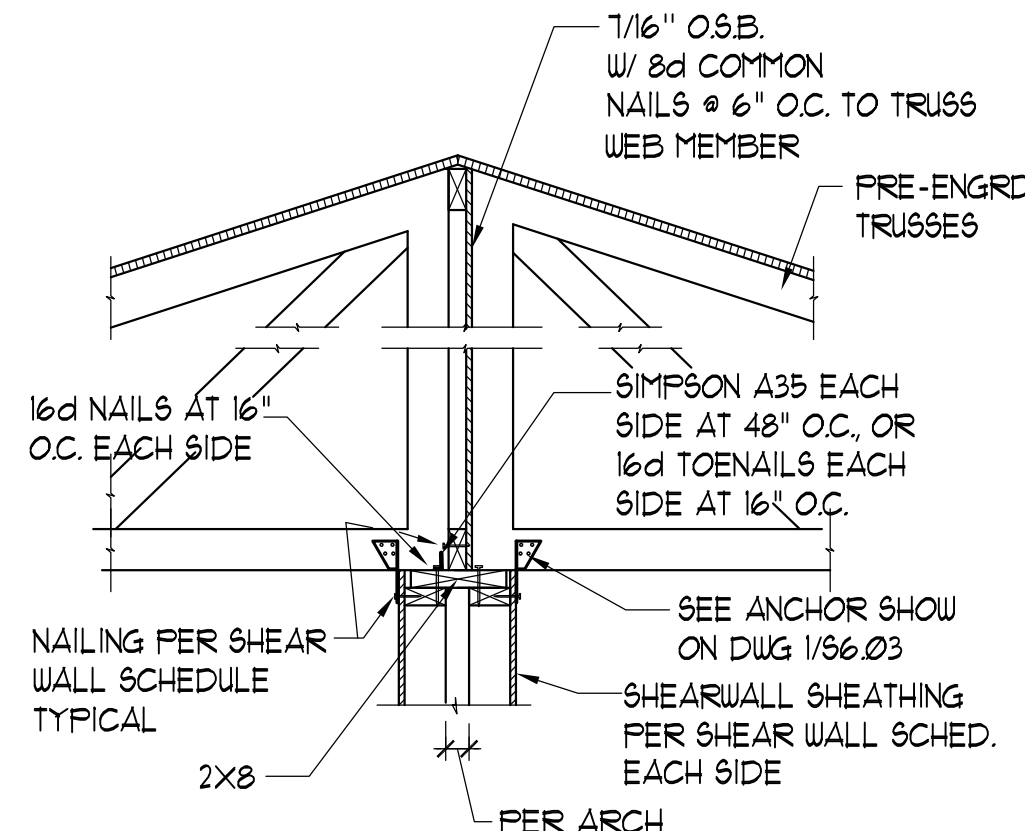
4 TYPICAL SHEATHING AND BLOCKING SHEARWALL DETAIL
SCALE 3/4" = 1'-0"



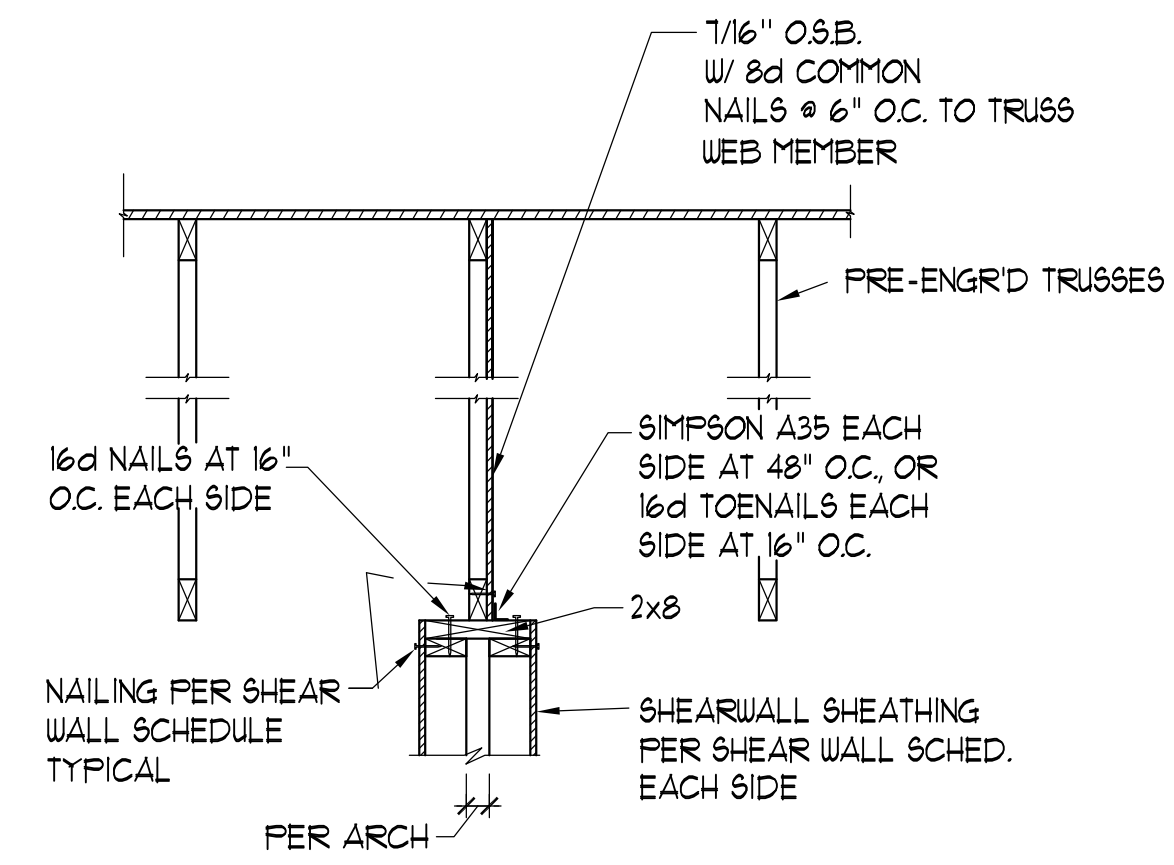
5 TYP. WALL SUPPORTED BY FLOOR TRUSSES
SCALE 3/4" = 1'-0"



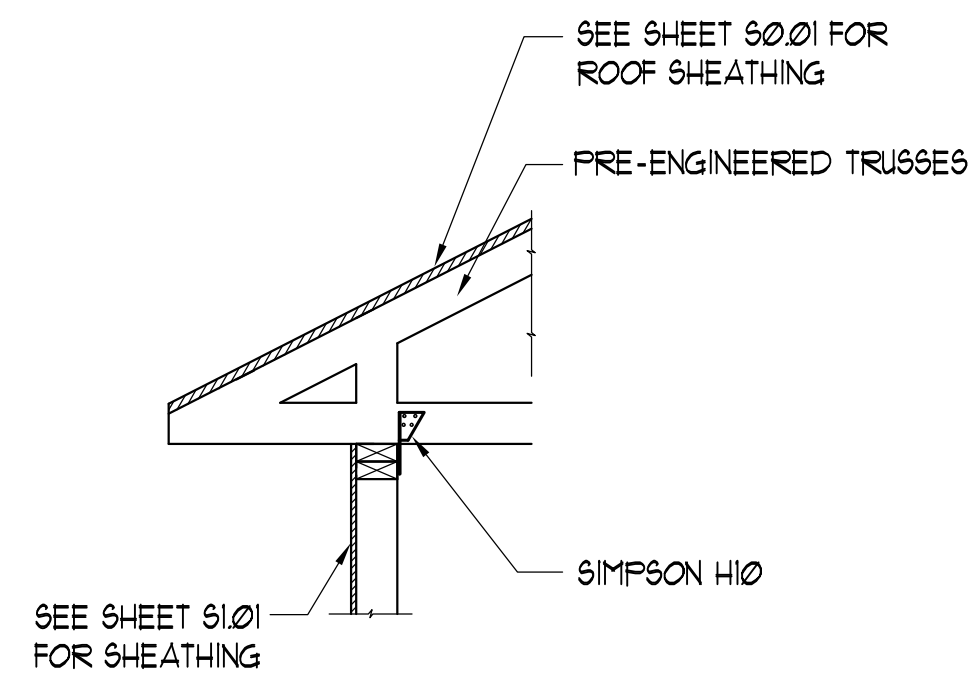
6 TYP. WALL SUPPORTED BY FLOOR TRUSSES
SCALE 3/4" = 1'-0"



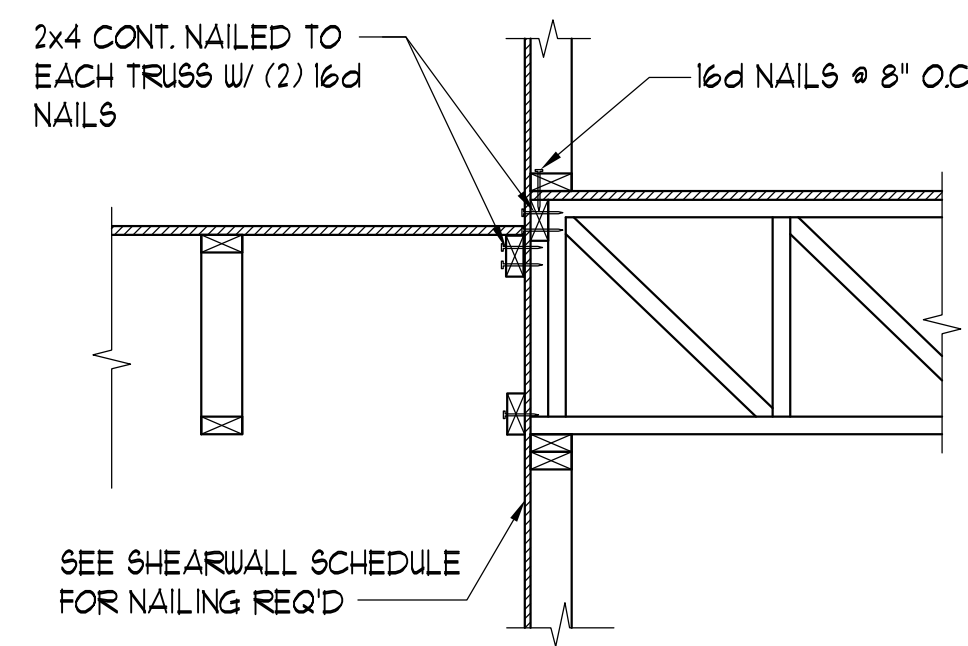
7 TENANT SEP. WALL/SHEARWALL SECTION @ ROOF
SCALE 3/4" = 1'-0"



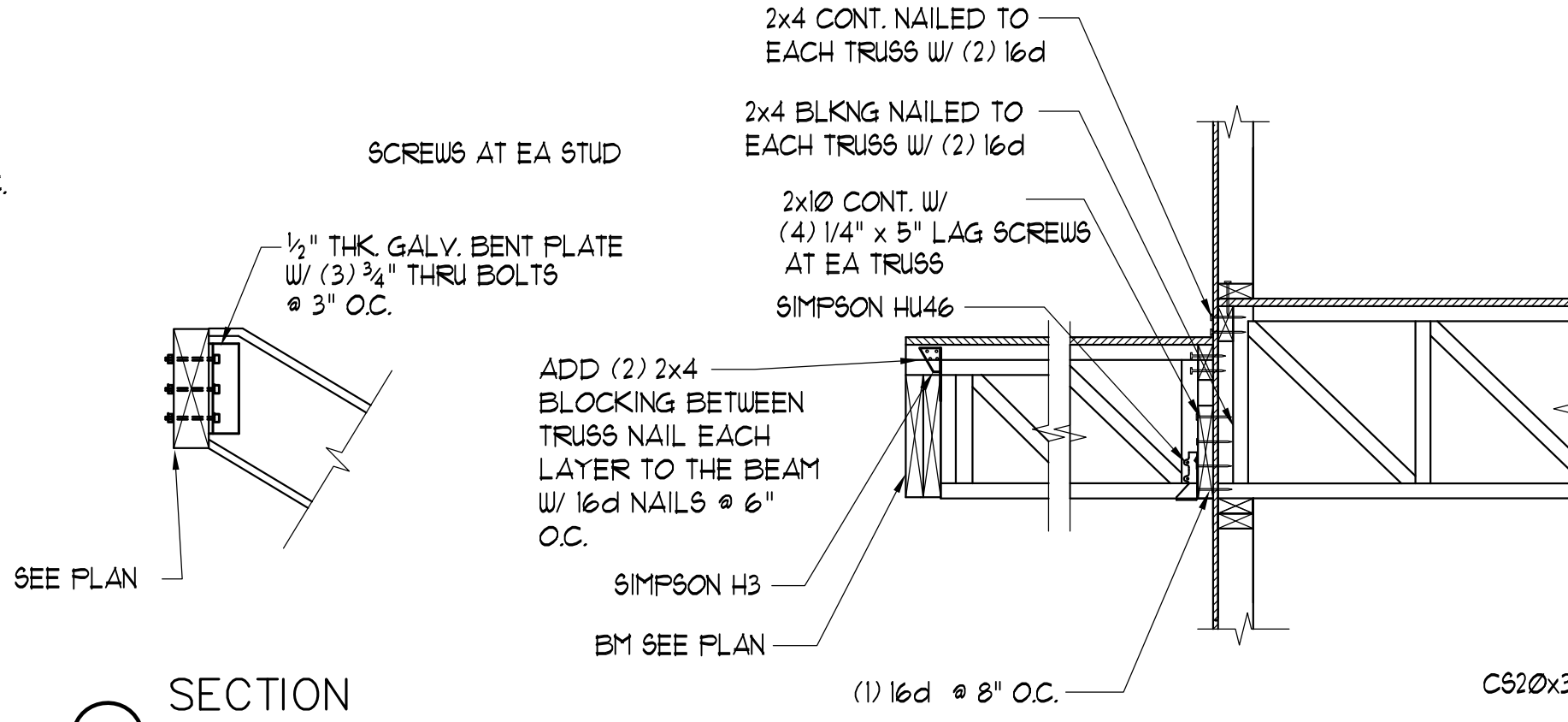
8 TENANT SEP. WALL/SHEARWALL SECTION @ ROOF
SCALE 3/4" = 1'-0"



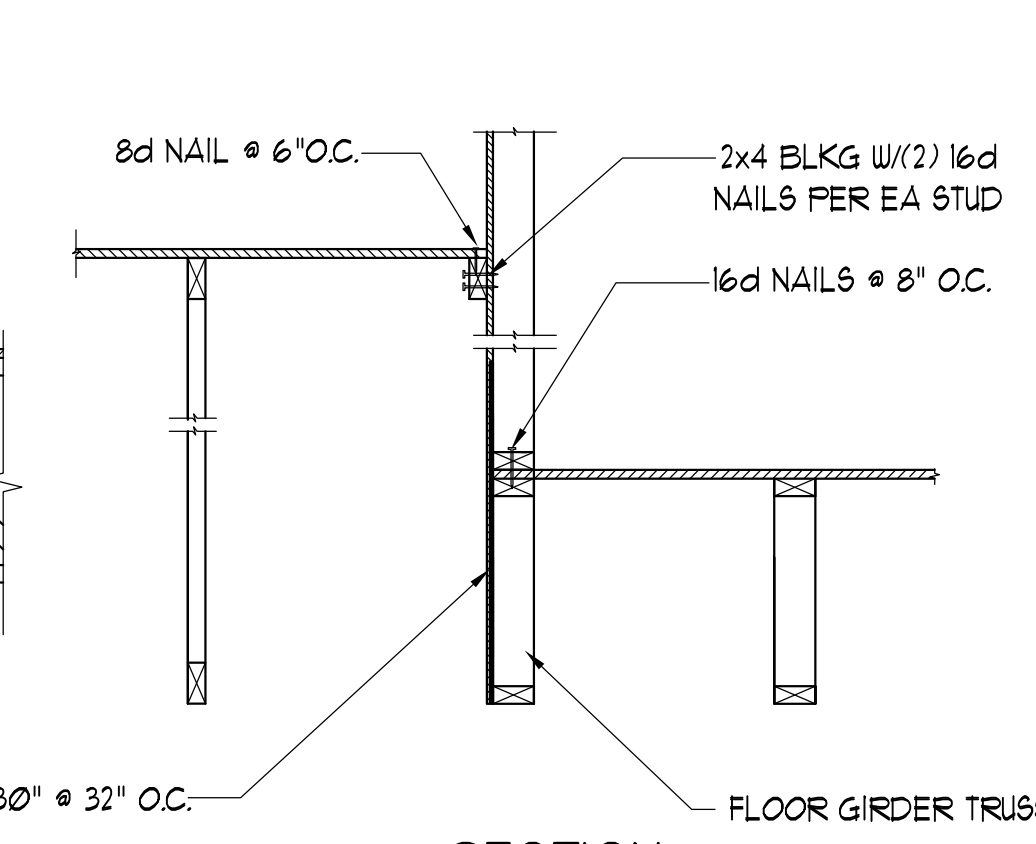
9 TYP. TRUSS TO FRAME WALL
SCALE 3/4" = 1'-0"



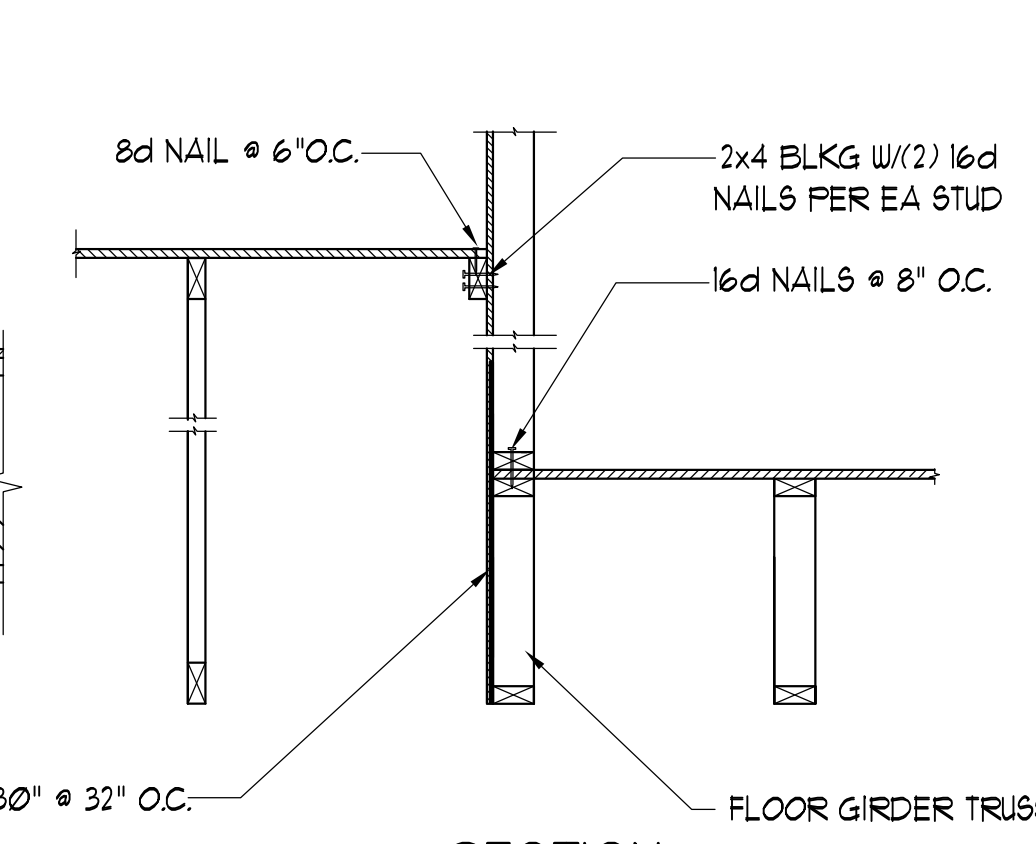
10 SECTION
SCALE 3/4" = 1'-0"



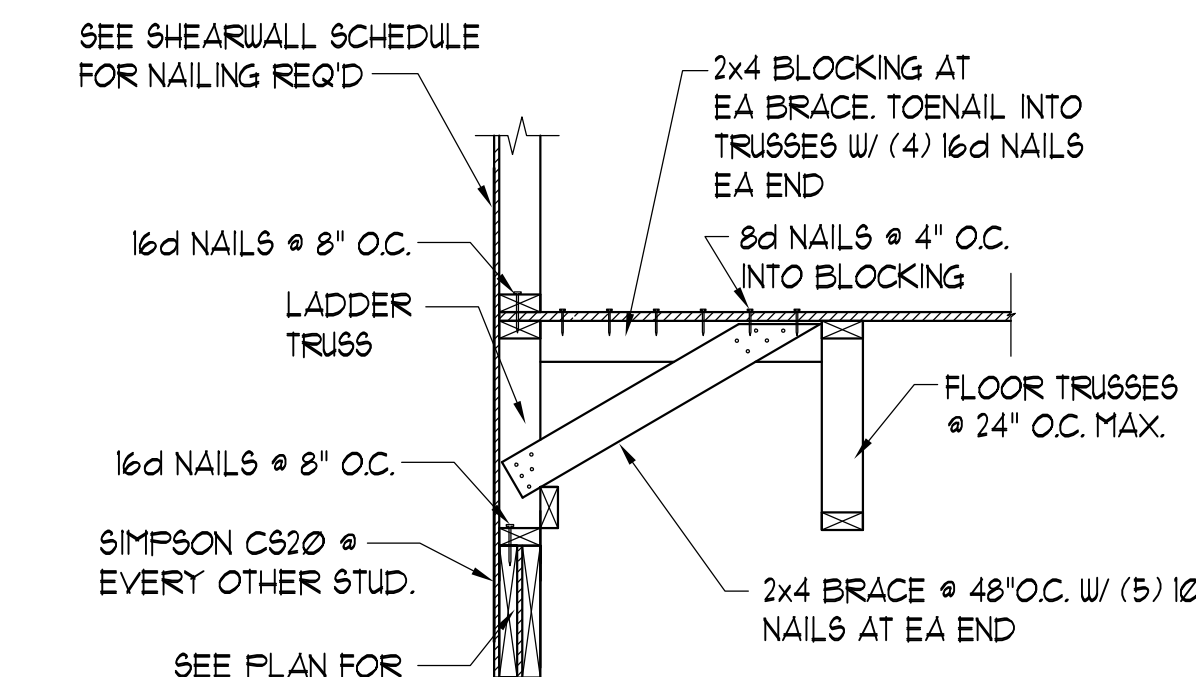
11 SECTION
SCALE 3/4" = 1'-0"



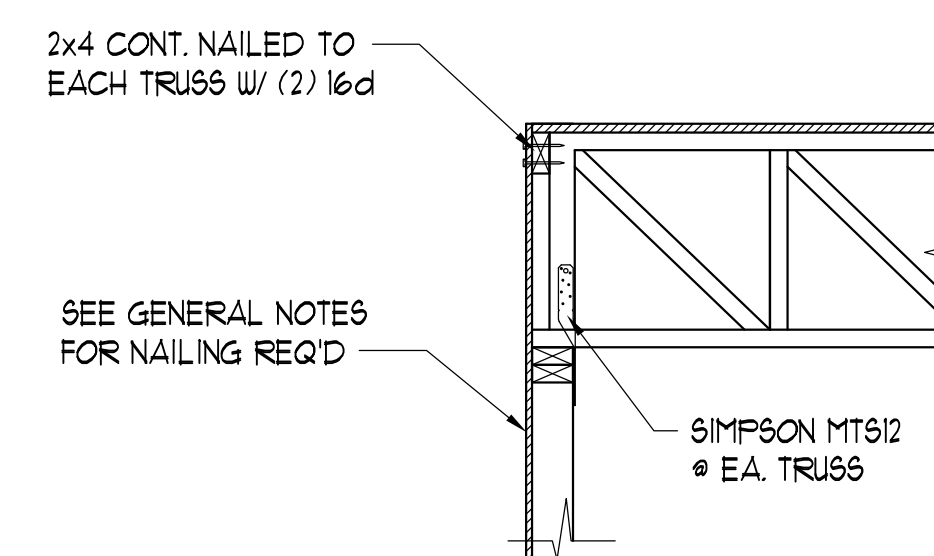
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SCALE 3/4" = 1'-0"



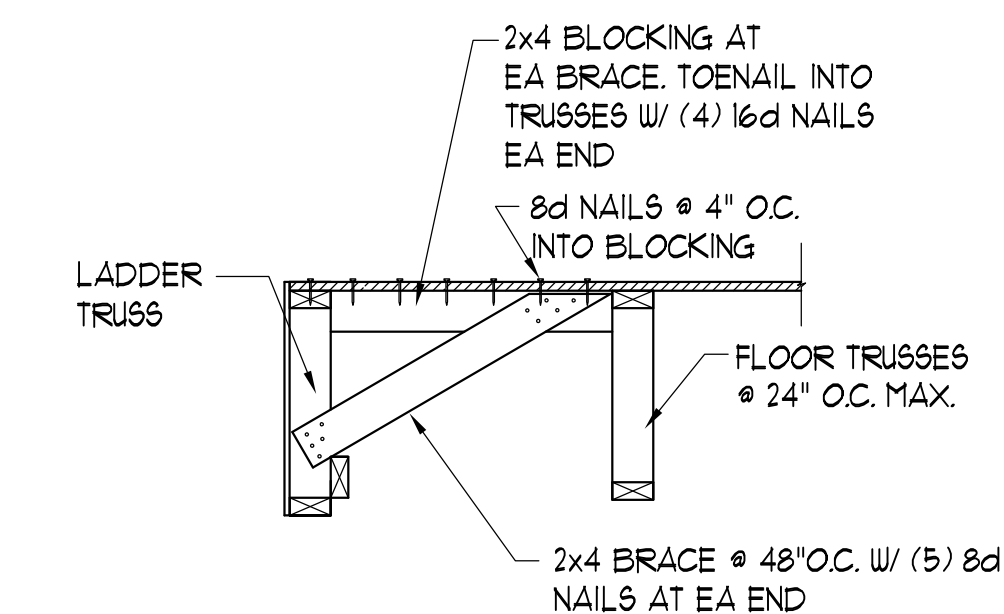
13 SECTION
SCALE 3/4" = 1'-0"



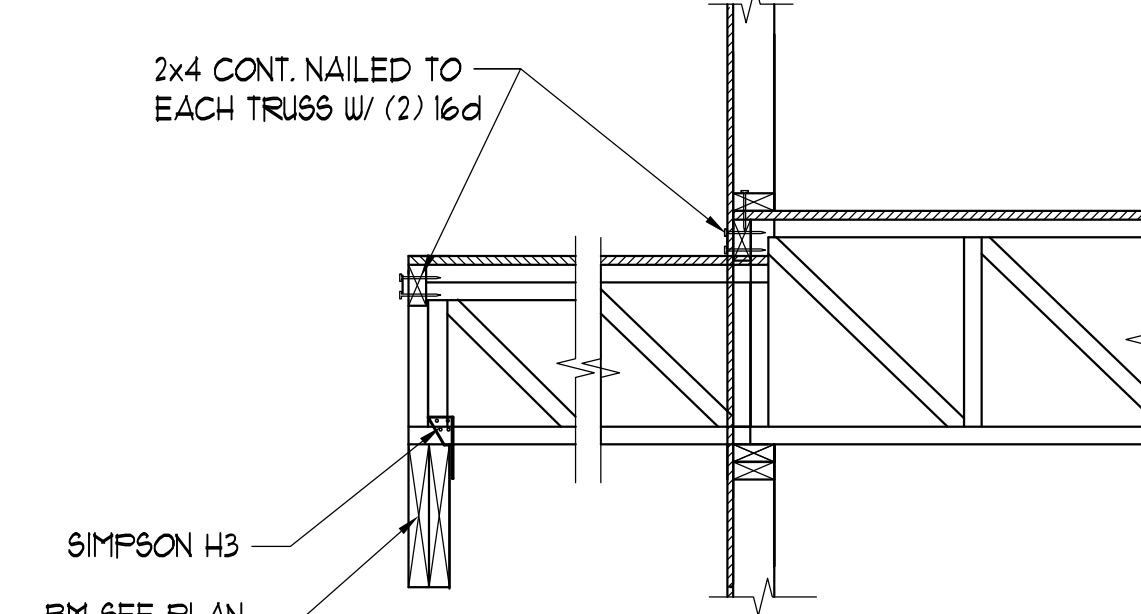
14 BRACING AT END WALL
SCALE 3/4" = 1'-0"



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



16 BRACING AT END WALL
SCALE 3/4" = 1'-0"



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

ISSUE HISTORY		
No.	Date	Description
1	May 31, 2013	PERMIT ISSUE

REVISION HISTORY		
No.	Date	Description



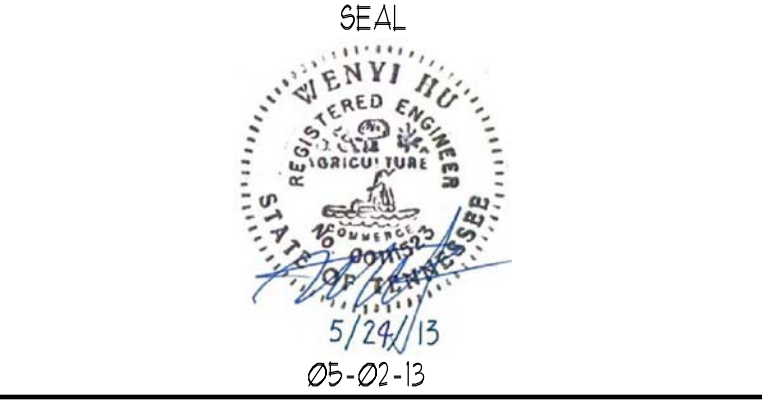
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595
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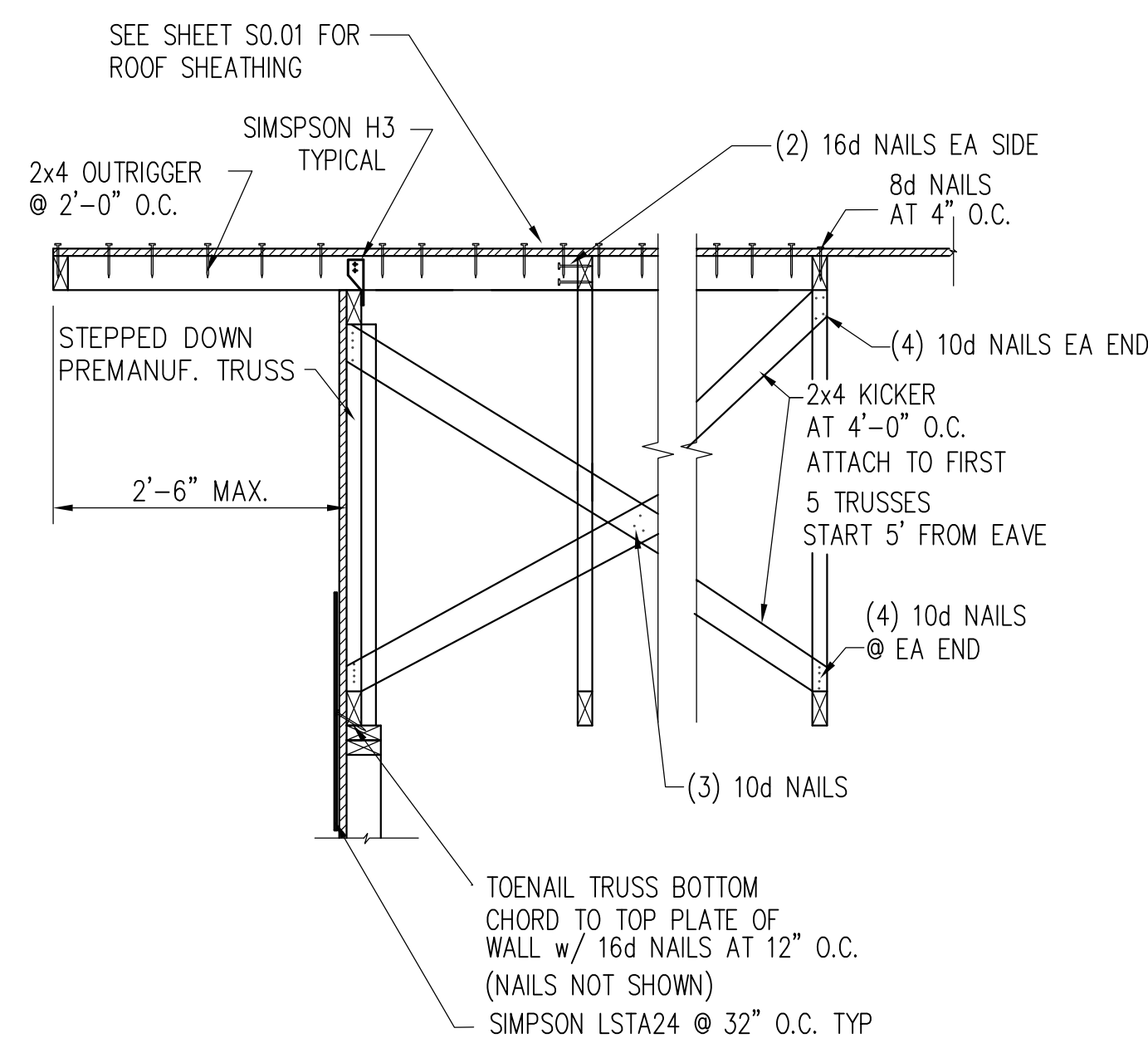
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BY: WENDY HU AND GRANTY LONGBOTTOM
10244 East Colonial Drive, Suite 202
Orlando, Florida 32817 407-677-5565 Fax 407-730-2999
Certificate of Authorization No. 25873
Wendy Hu P.E.
Tennessee No. 00111523

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

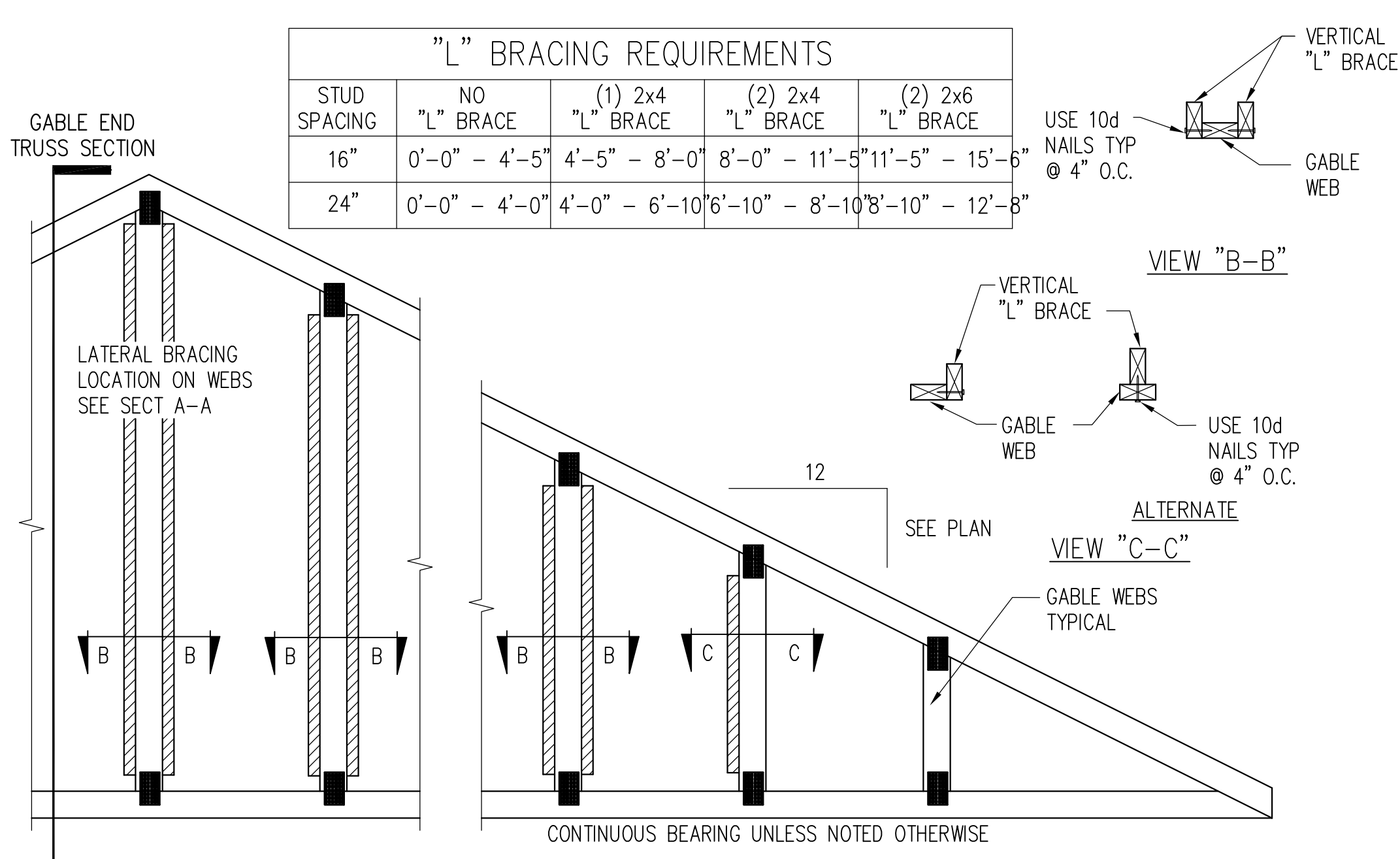
SECTIONS & DETAILS
BLDG TYPE 1, 2 & 3

S6.02

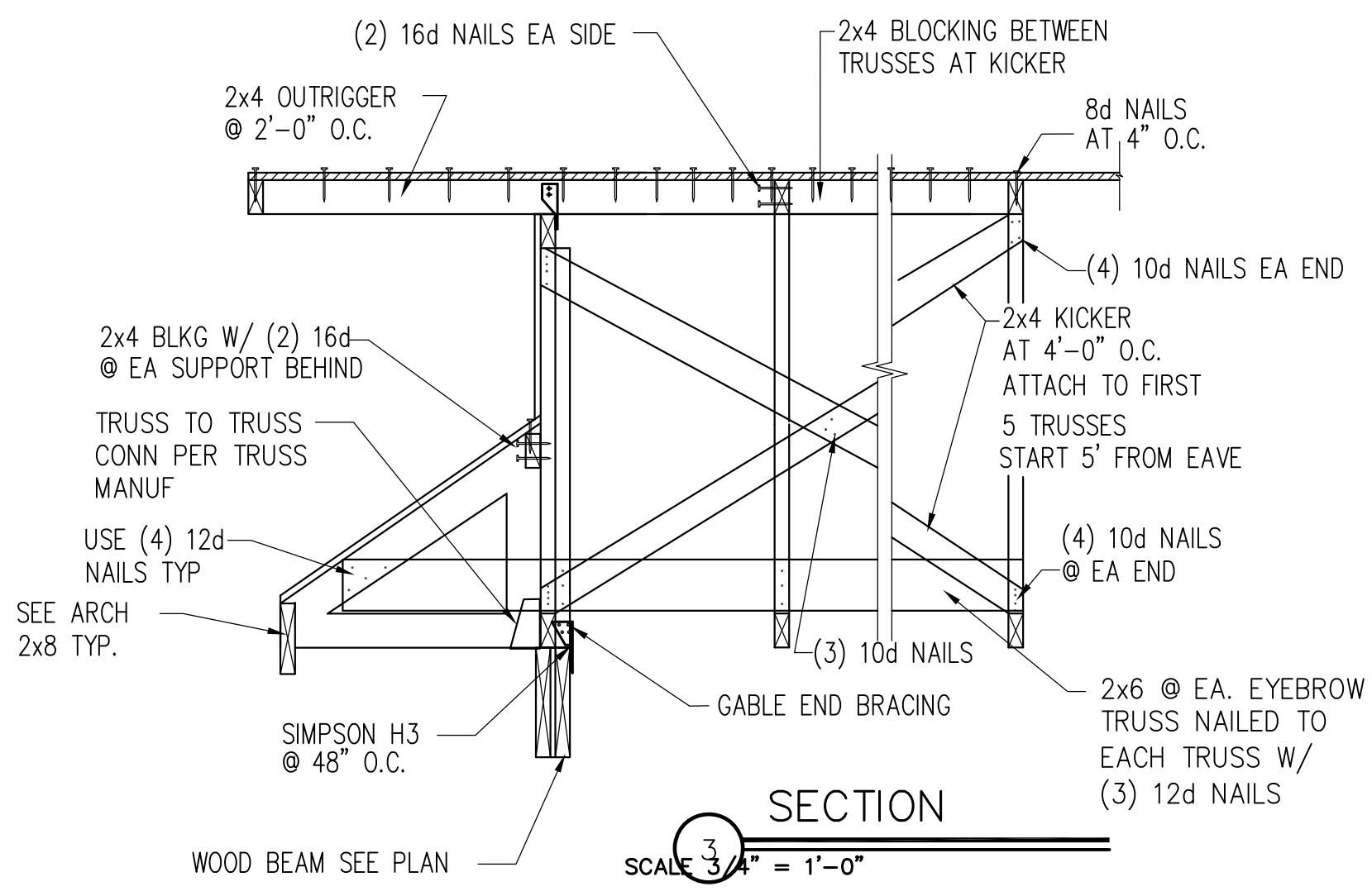




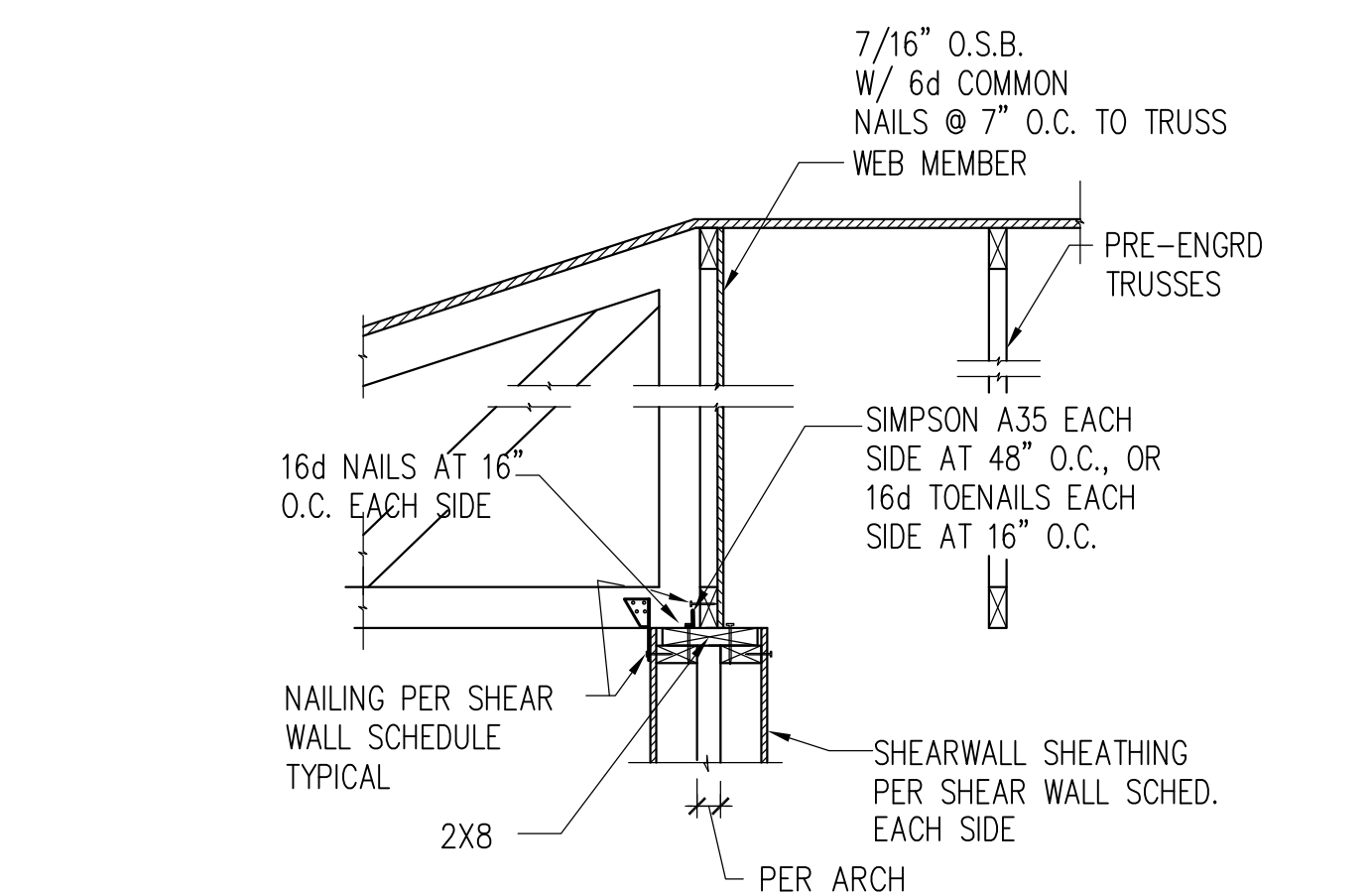
1 TYPICAL SECTION AT GABLE END TRUSSES
SCALE 3/4" = 1'-0"



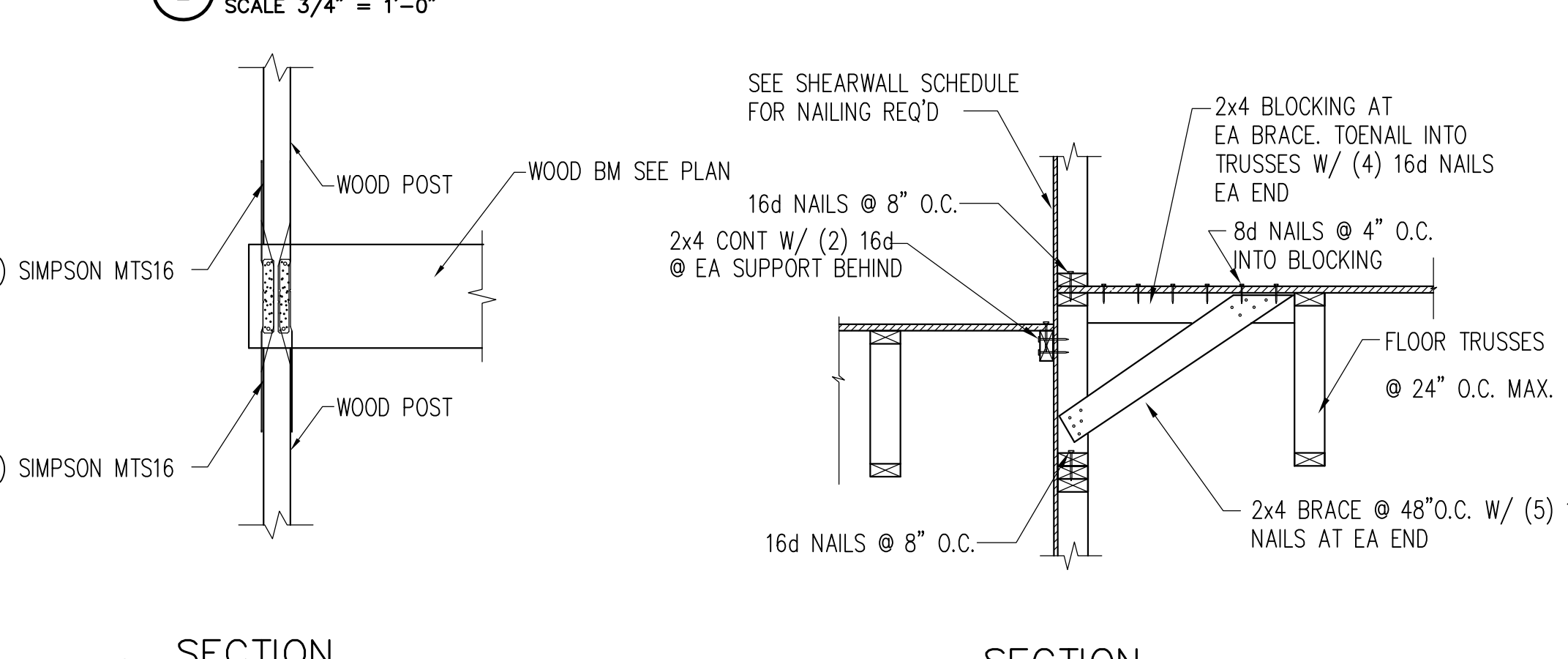
2 STANDARD GABLE END BRACING DETAIL
SCALE 3/4" = 1'-0"



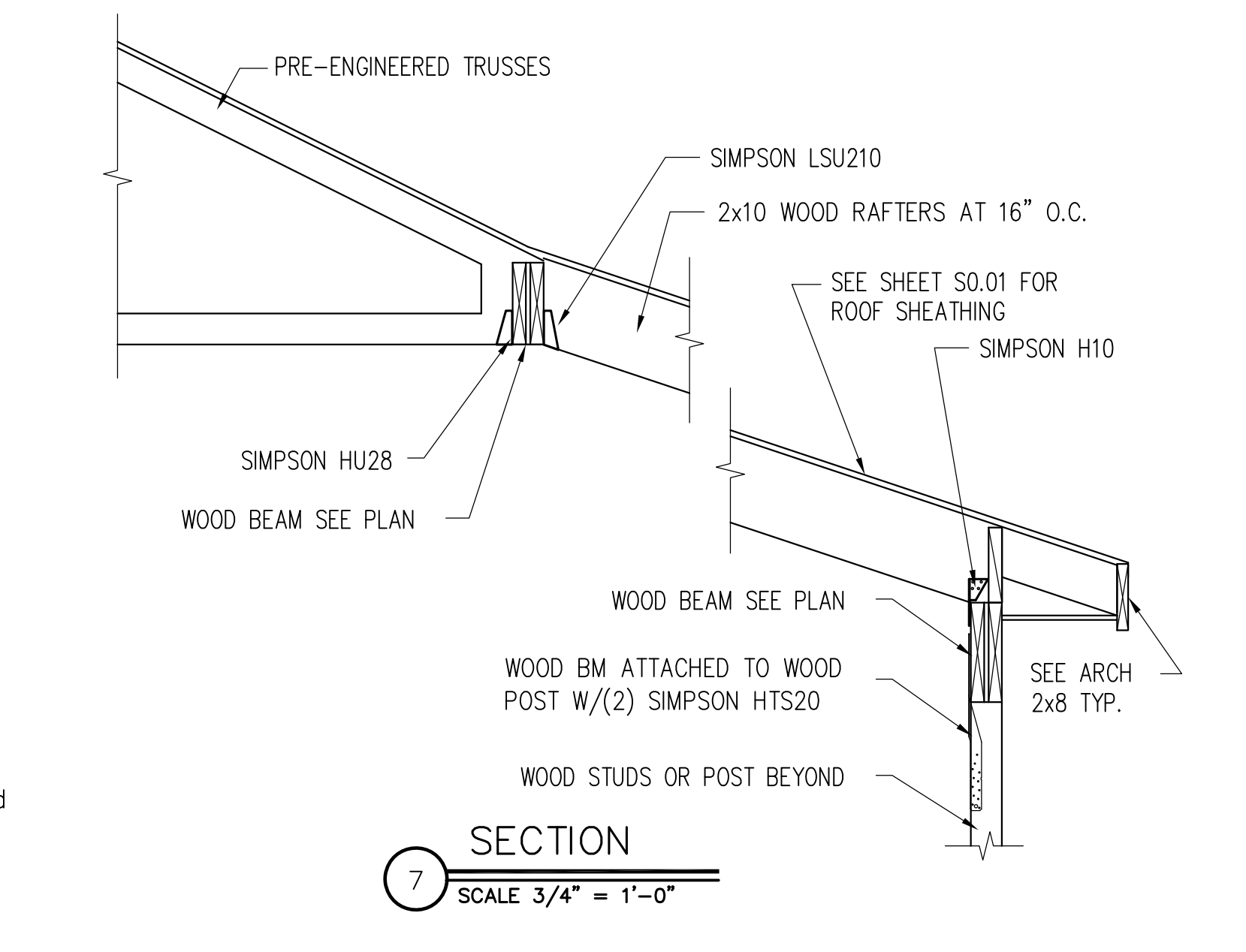
3 SECTION
SCALE 3/4" = 1'-0"



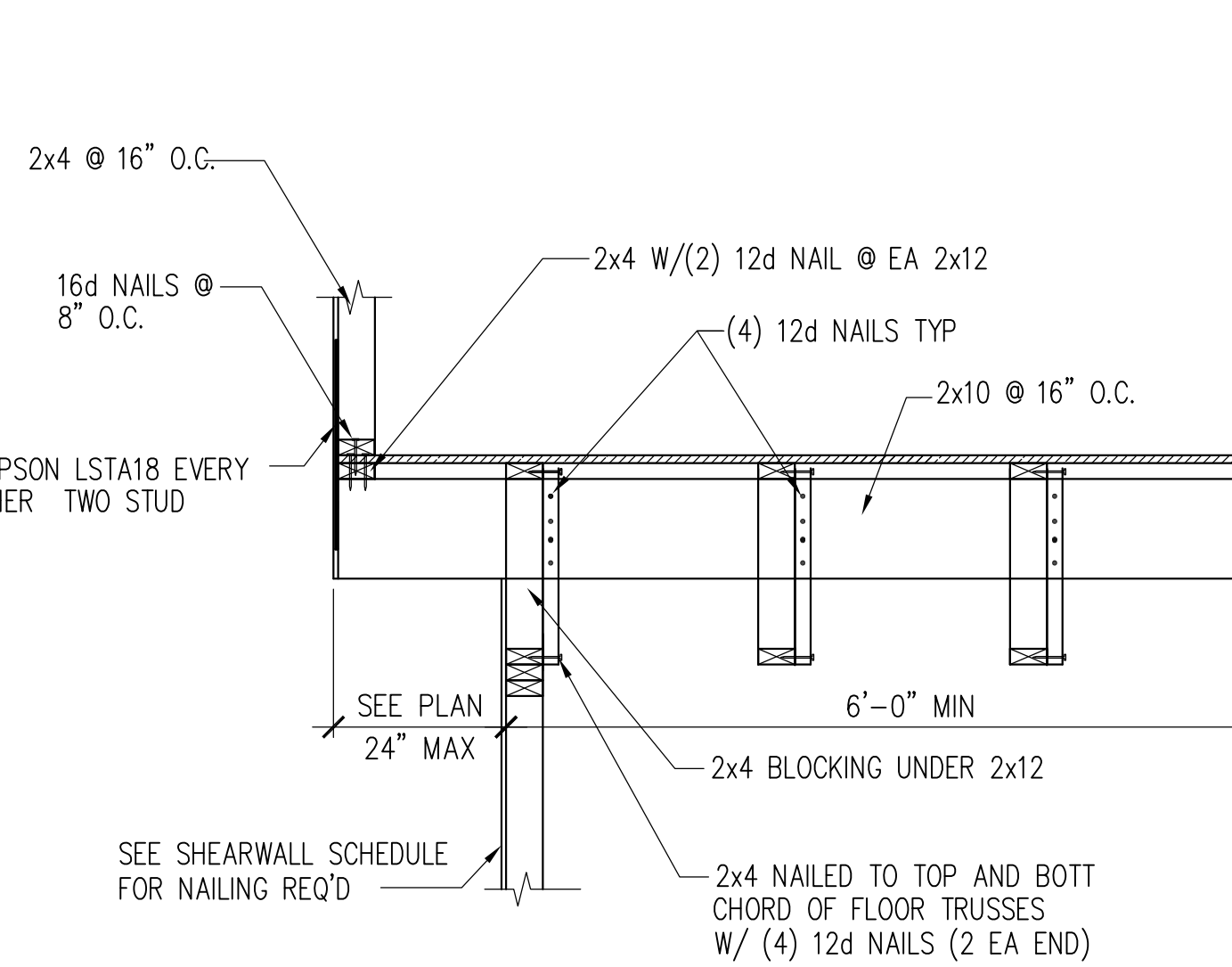
4 SECTION
SCALE 3/4" = 1'-0"



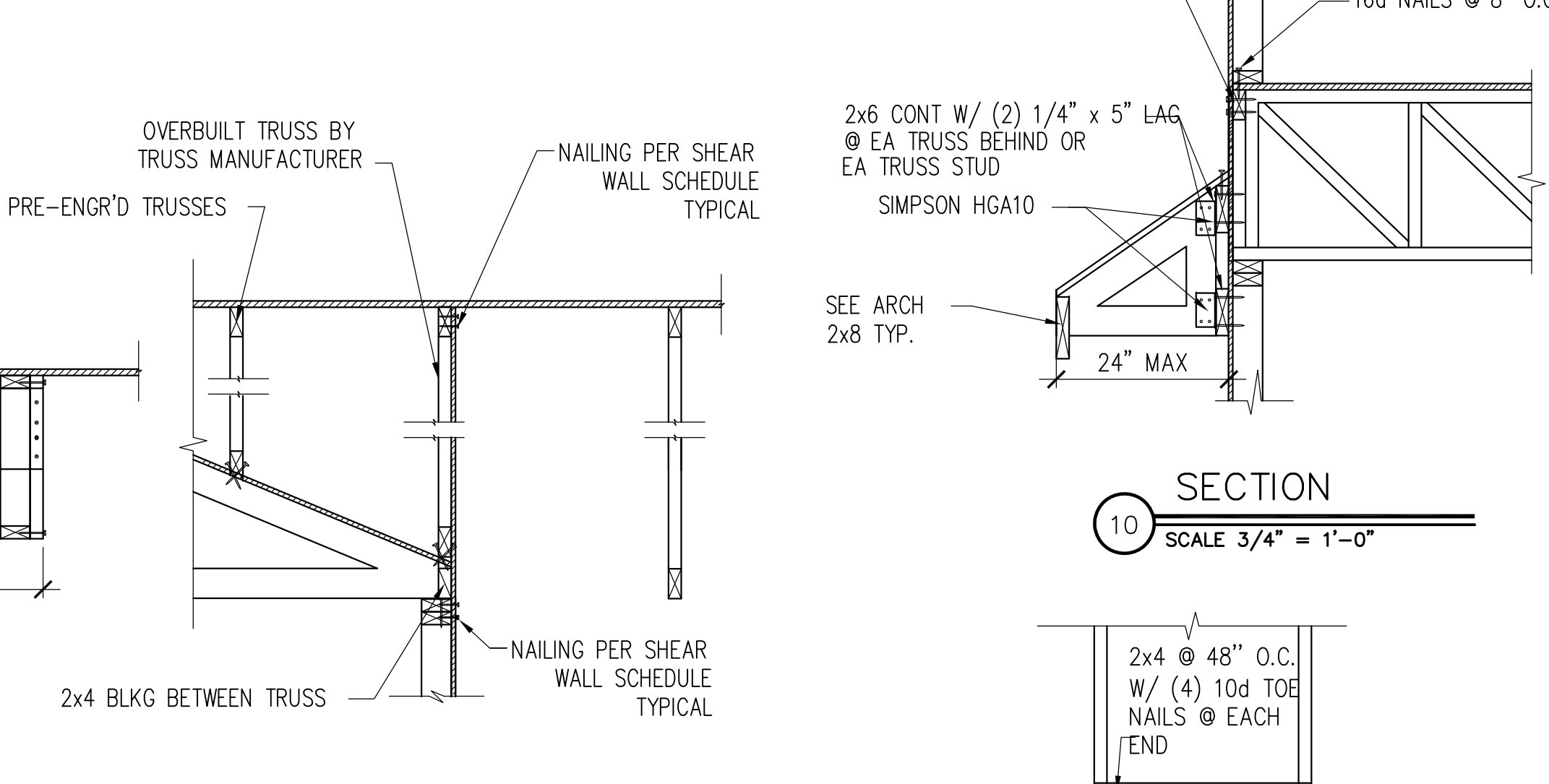
5 SECTION
SCALE 3/4" = 1'-0"



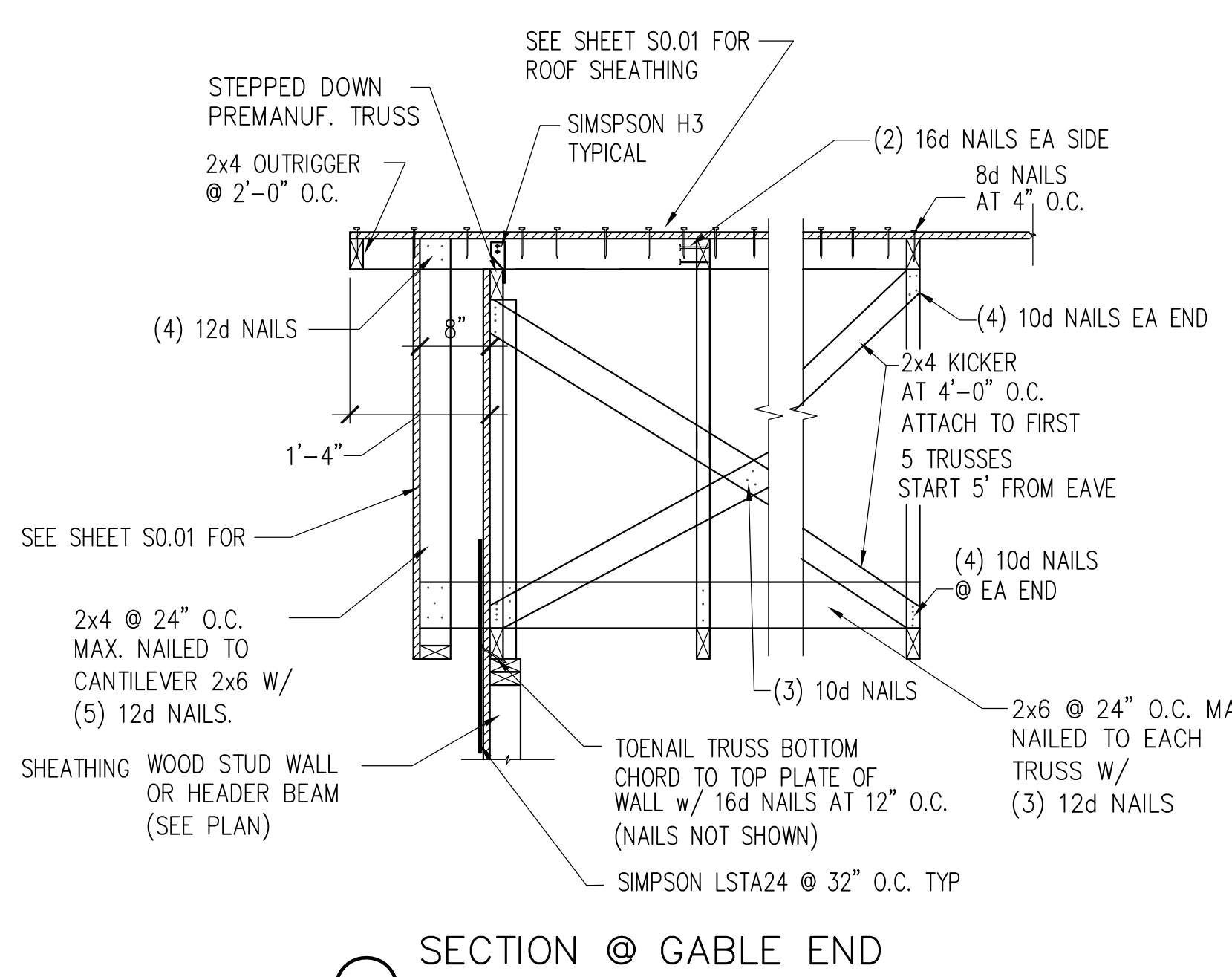
6 SECTION
SCALE 3/4" = 1'-0"



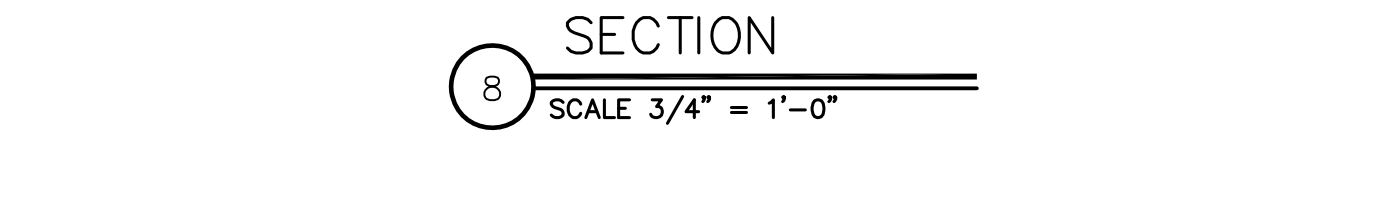
7 SECTION
SCALE 3/4" = 1'-0"



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



9 SECTION @ GABLE END
SCALE 3/4" = 1'-0"



10 BRACE EXTERIOR WALL
SCALE 3/4" = 1'-0"

ISSUE HISTORY		
No.	Date	Description
1	May 31, 2013	PERMIT ISSUE

REVISION HISTORY		
No.	Date	Description

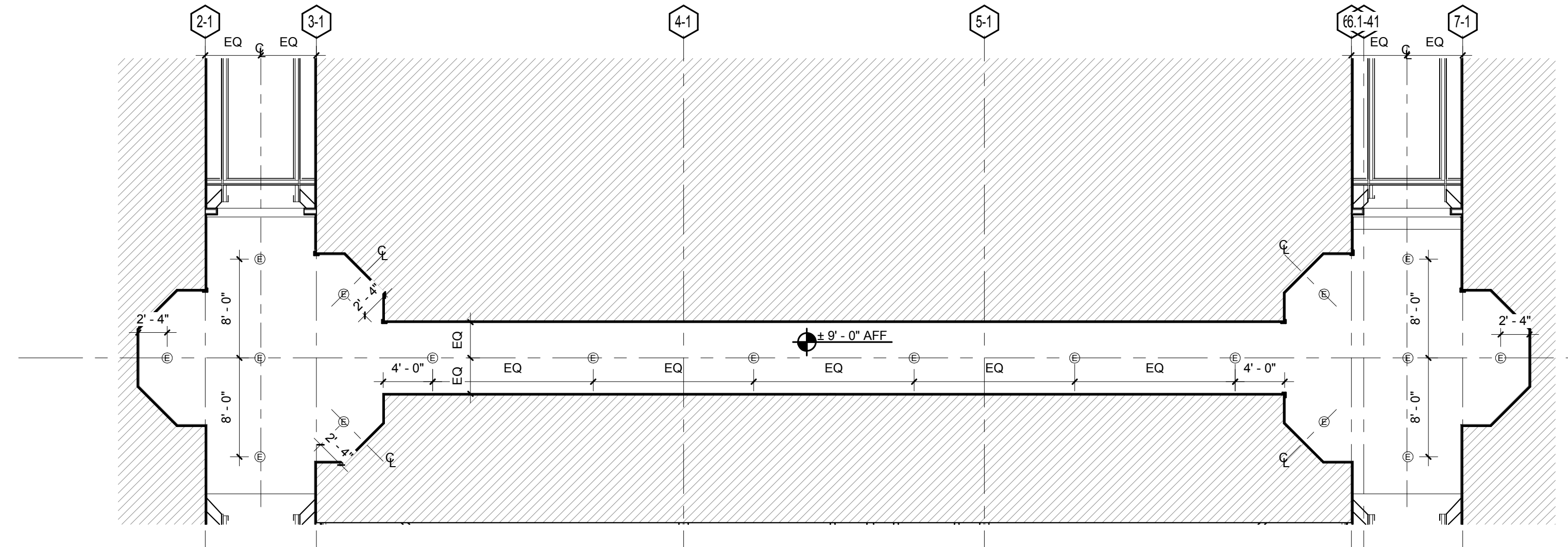
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Orlando, Florida 32817 407-677-5665 Fax 407-730-2999
Certificate of Authorization No. 25873
Wenji Hu P.E.
Tennessee No. 00111523

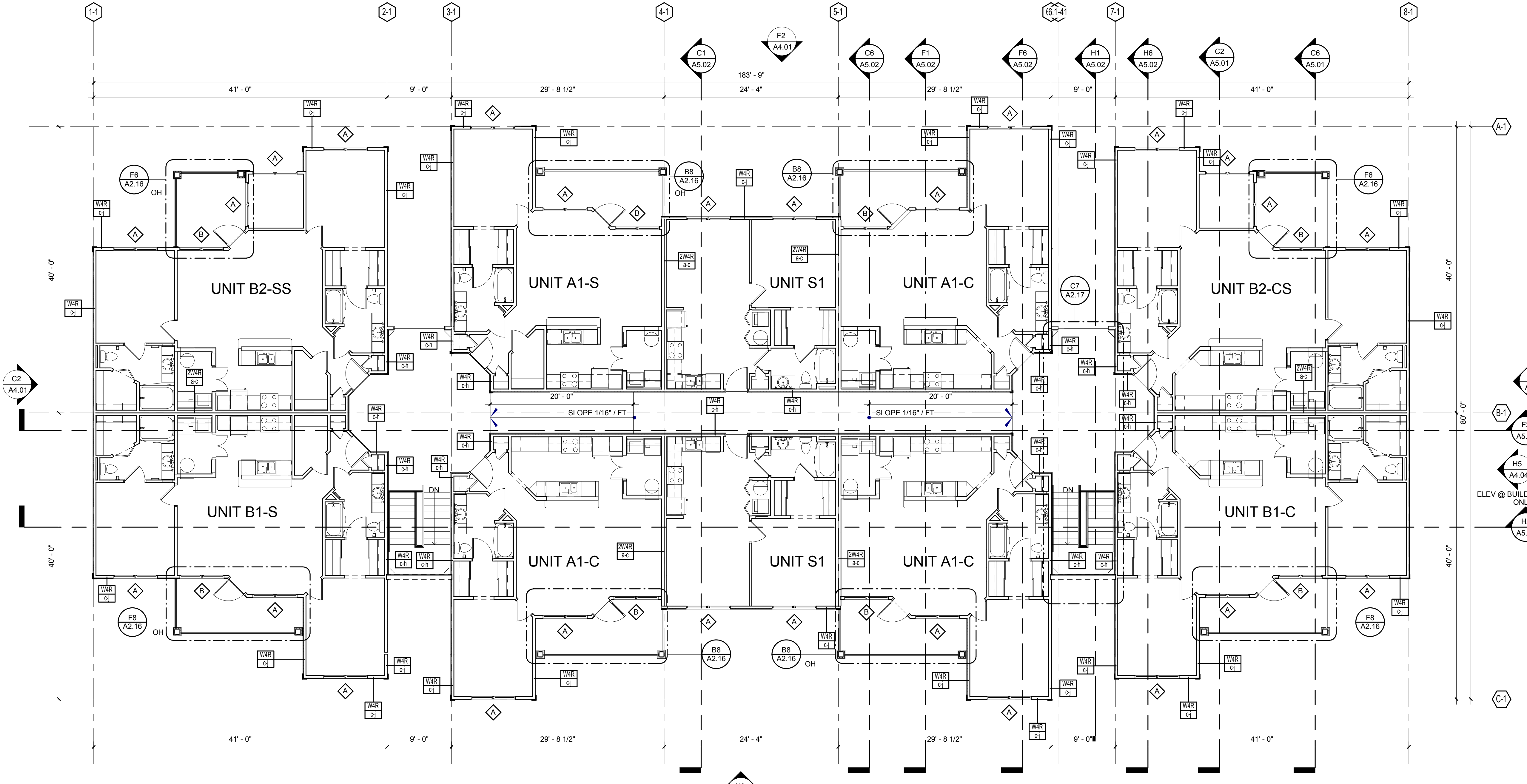
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
Date: 05-02-13
Project #: 5186

SECTIONS & DETAILS
BLDG TYPE 1, 2 & 3
S6.04

WENJI HU
REGISTERED ENGINEER
IN THE STATE OF TENNESSEE
5/24/13
05-02-13



C3 BUILDING TYPE 1 - LEVEL 3 RCP
1/8" = 1'-0"



H2 BUILDING TYPE 1 - LEVEL 3
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEETS A3.01 TO A3.11 FOR ENLARGED UNIT PLANS.
2. ALL ACCESSIBLE LABELED GROUND FLOOR UNITS ARE TO BE COMPLIANT PER ANSI AND THE FAIR HOUSING ACT (FHA). ALL OTHER GROUND UNITS ARE TO BE COMPLIANT PER THE FAIR HOUSING ACT (FHA).
3. COORDINATE BREEZEWAY FLOOR & CEILING CONTROL JOINT PLACEMENT WHERE POSSIBLE.

LEGEND:

- FRC FIRE RISER CLOSET
- FDC FIRE DEPARTMENT CONNECTION

BUILDING NUMBER	1
TYPE	1
ADDRESS	[2495] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	3
TYPE	1
ADDRESS	[2479] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	4
TYPE	1
ADDRESS	[2471] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	5
TYPE	1
ADDRESS	[2463] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	6
TYPE	1
ADDRESS	[2455] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	9
TYPE	1
ADDRESS	[2431] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

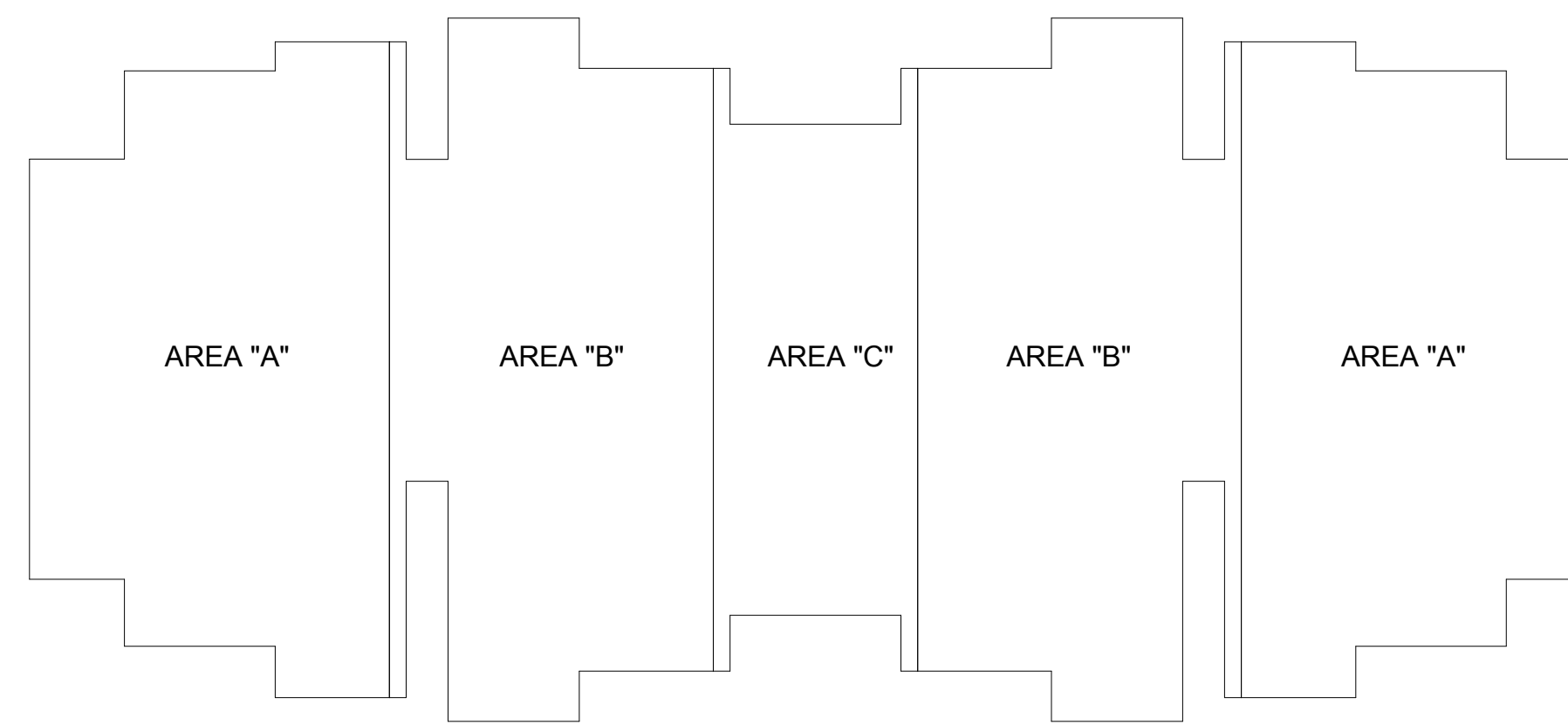
No.	Date	Description


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BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Date: 04/29/2013
 Project #: 5166.400

BUILDING TYPE 1 - LEVEL 3

PATRICK D. FITCH
 LICENSE # 103195



ATTIC VENT CALCULATIONS - AREA A		
	REQUIRED	PROVIDED
TOTAL ROOF AREA	= 2788 SQ. FT.	
PER IRC 2006, SECTION 1203 (1/150)	= $\times 0.0098$	
REQ. VENTILATED AREA	18 SQ. FT.	
TOTAL SOFFIT LIN. FT.	181.6 LIN. FT.	
OPENING NET VENTILATION	$\times 0.07$ SQ. FT.	
NET FREE AREA	11.3 SQ. FT.	
NET OFF RIDGE VENT AREA	1.95 SQ. FT.	
NUMBER OF VENTS	\times 6	
NET FREE AREA	11.7 SQ. FT.	
TOTAL VENTILATED AREA	18 SQ. FT.	23 SQ. FT.

VENTILATION SCHEDULE		
ROOF VENT	MFGR. & MODEL No.	FREE AREA
SOFFIT VENT AT EAVE	CERTAINTEED TRIPPLE 3-1/2" (INVISVENT)	0.07 SQ. FT.
OFF RIDGE VENT	8" OFF RIDGE SHINGLE FLAT BY TAMCO	1.95 SQ. FT.

ATTIC VENT CALCULATIONS - AREA B		
	REQUIRED	PROVIDED
TOTAL ROOF AREA	= 2700 SQ. FT.	
PER IRC 2006, SECTION 1203 (1/150)	= $\times 0.0098$	
REQ. VENTILATED AREA	17.8 SQ. FT.	
TOTAL SOFFIT LIN. FT.	176 LIN. FT.	
OPENING NET VENTILATION	$\times 0.07$ SQ. FT.	
NET FREE AREA	12.3 SQ. FT.	
NET OFF RIDGE VENT AREA	1.95 SQ. FT.	
NUMBER OF VENTS	\times 6	
NET FREE AREA	11.7 SQ. FT.	
TOTAL VENTILATED AREA	17.8 SQ. FT.	24 SQ. FT.

ATTIC VENT CALCULATIONS - AREA C		
	REQUIRED	PROVIDED
TOTAL ROOF AREA	= 1438 SQ. FT.	
PER IRC 2006, SECTION 1203 (1/150)	= $\times 0.0098$	
REQ. VENTILATED AREA	9.5 SQ. FT.	
TOTAL SOFFIT LIN. FT.	76.8 LIN. FT.	
OPENING NET VENTILATION	$\times 0.07$ SQ. FT.	
NET FREE AREA	5.4 SQ. FT.	
NET OFF RIDGE VENT AREA	1.95 SQ. FT.	
NUMBER OF VENTS	\times 3	
NET FREE AREA	5.8 SQ. FT.	
TOTAL VENTILATED AREA	9.5 SQ. FT.	11.2 SQ. FT.

BUILDING NUMBER	1
TYPE	1
ADDRESS	[2495] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	3
TYPE	1
ADDRESS	[2479] BRIDGE CIRCLE
PERMIT #	TBD

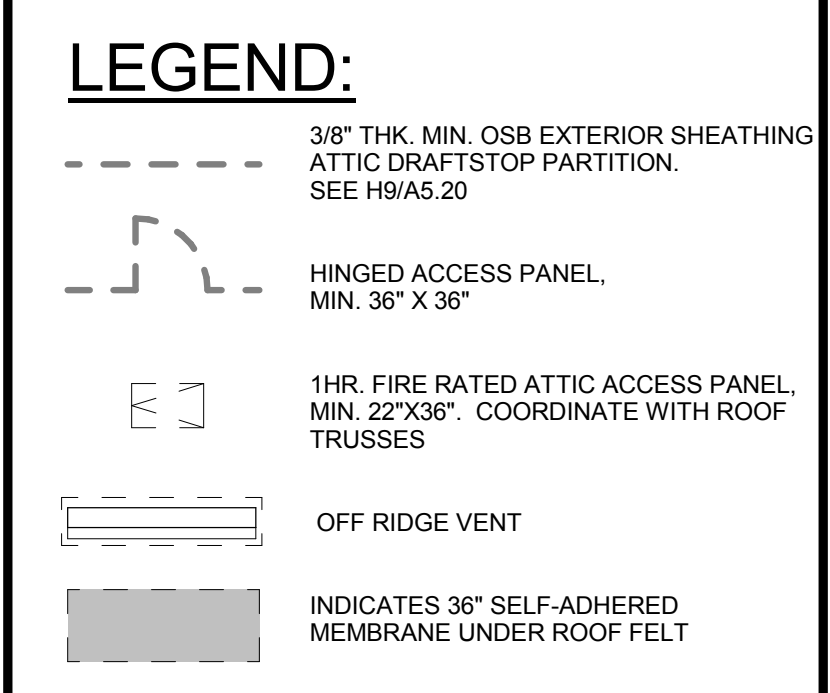
BUILDING NUMBER	4
TYPE	1
ADDRESS	[2471] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	5
TYPE	1
ADDRESS	[2463] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	6
TYPE	1
ADDRESS	[2455] BRIDGE CIRCLE
PERMIT #	TBD

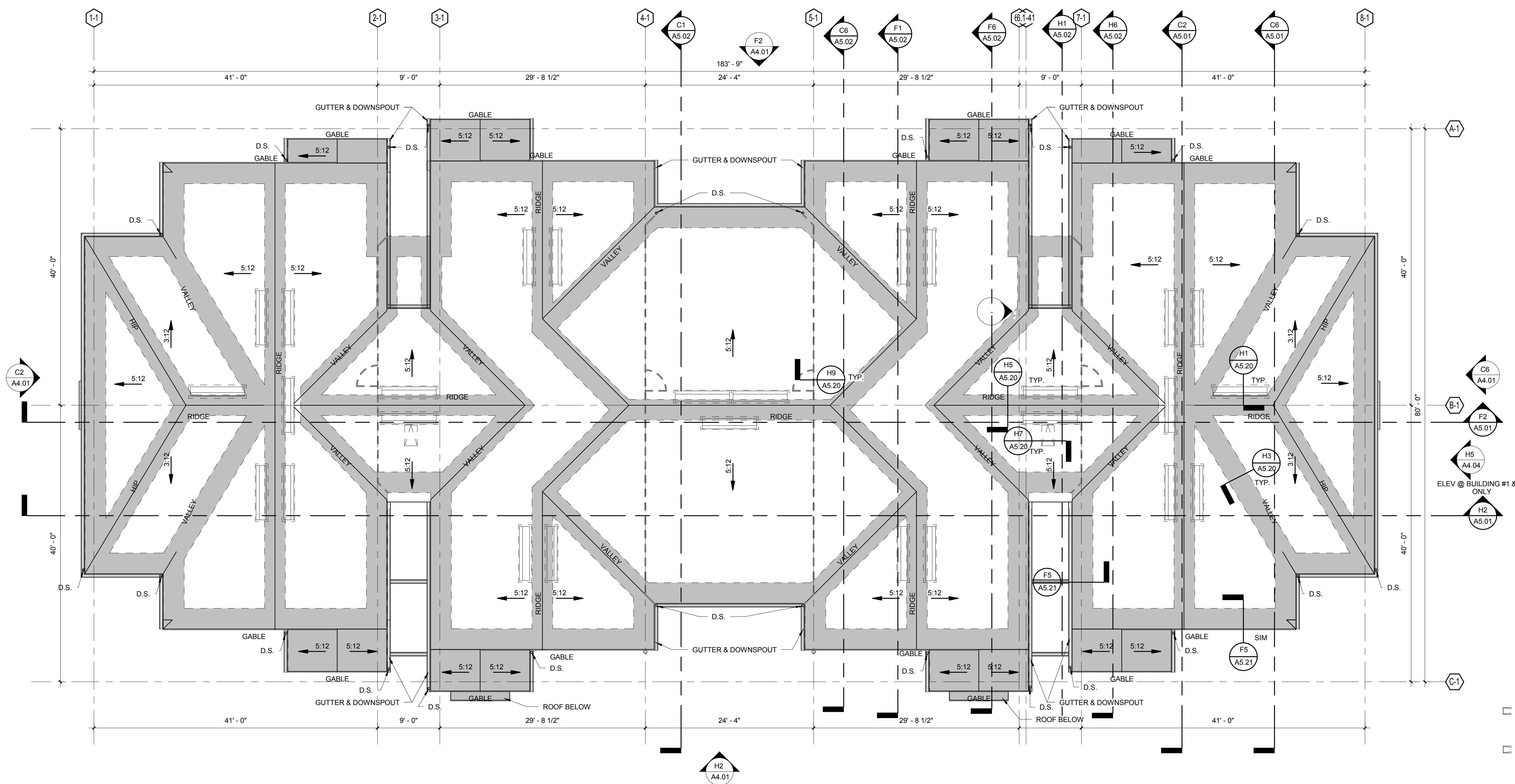
BUILDING NUMBER	9
TYPE	1
ADDRESS	[2431] BRIDGE CIRCLE
PERMIT #	TBD

- GENERAL NOTES:**
- PAINT ALL ROOF VENTS & PENETRATIONS TO MATCH ROOF SHINGLE COLOR
 - COORDINATE DOWN SPOUT DISCHARGE WITH CIVIL DRAWINGS. WHERE NOT TAKEN TO STORM, PROVIDE SPLASH BLOCK.
 - LEAVE OPENING IN MAIN ROOF SHEATHING FOR VENTILATION UNDERNEATH OVER BUILT AREAS.
 - DOWNSPOUTS & GUTTERS SHOWN ARE MIN. REQUIREMENTS SUBJECT TO OWNER'S CONSIDERATIONS



ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description



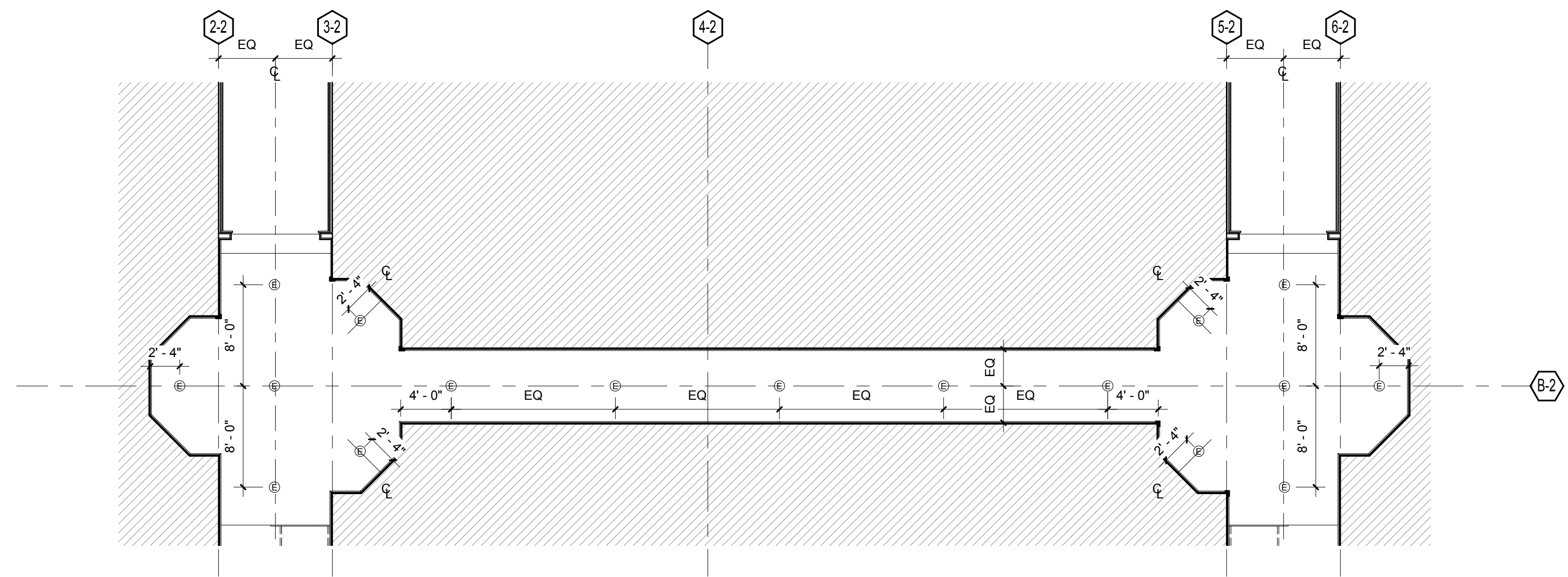
H2 BUILDING TYPE 1 - ROOF PLAN
1/8" = 1'-0"

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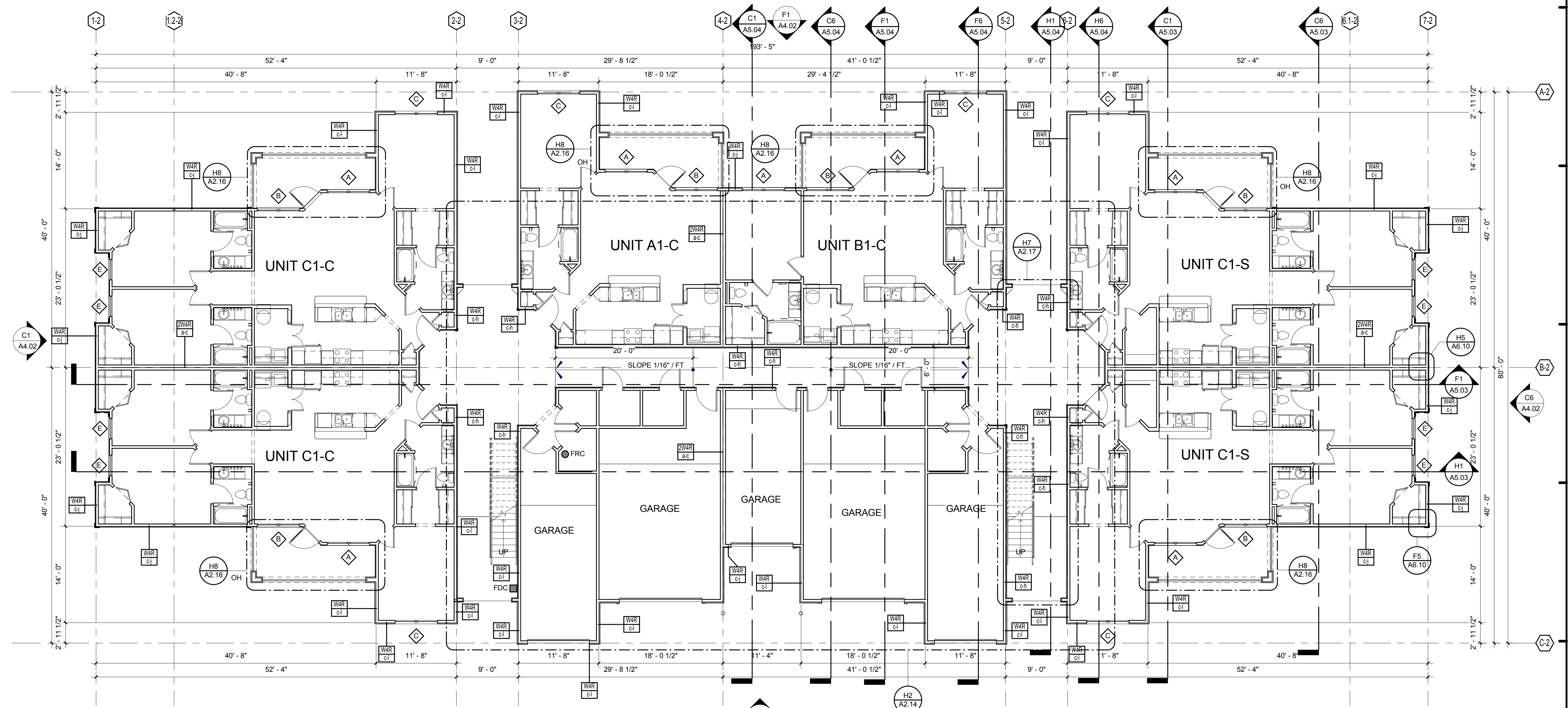
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 1 - ROOF PLAN A2.04

PATRICK D. FITCH
LICENSE # 103195



C3 BUILDING TYPE 2 - GROUND LEVEL RCP
1/8" = 1'-0"



H1 BUILDING TYPE 2 - GROUND LEVEL
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEETS A3.01 TO A3.11 FOR ENLARGED UNIT PLANS.
2. ALL ACCESSIBLE LABELED GROUND FLOOR UNITS ARE TO BE COMPLIANT PER ANSI AND THE FAIR HOUSING ACT (FHA). ALL OTHER GROUND UNITS ARE TO BE COMPLIANT PER THE FAIR HOUSING ACT (FHA).
3. COORDINATE BREEZEWAY FLOOR & CEILING CONTROL JOINT PLACEMENT WHERE POSSIBLE.

LEGEND:

- FRC FIRE RISER CLOSET
- FDC FIRE DEPARTMENT CONNECTION

BUILDING NUMBER	8
TYPE	2
ADDRESS	[2439] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	10
TYPE	2
ADDRESS	[2423] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

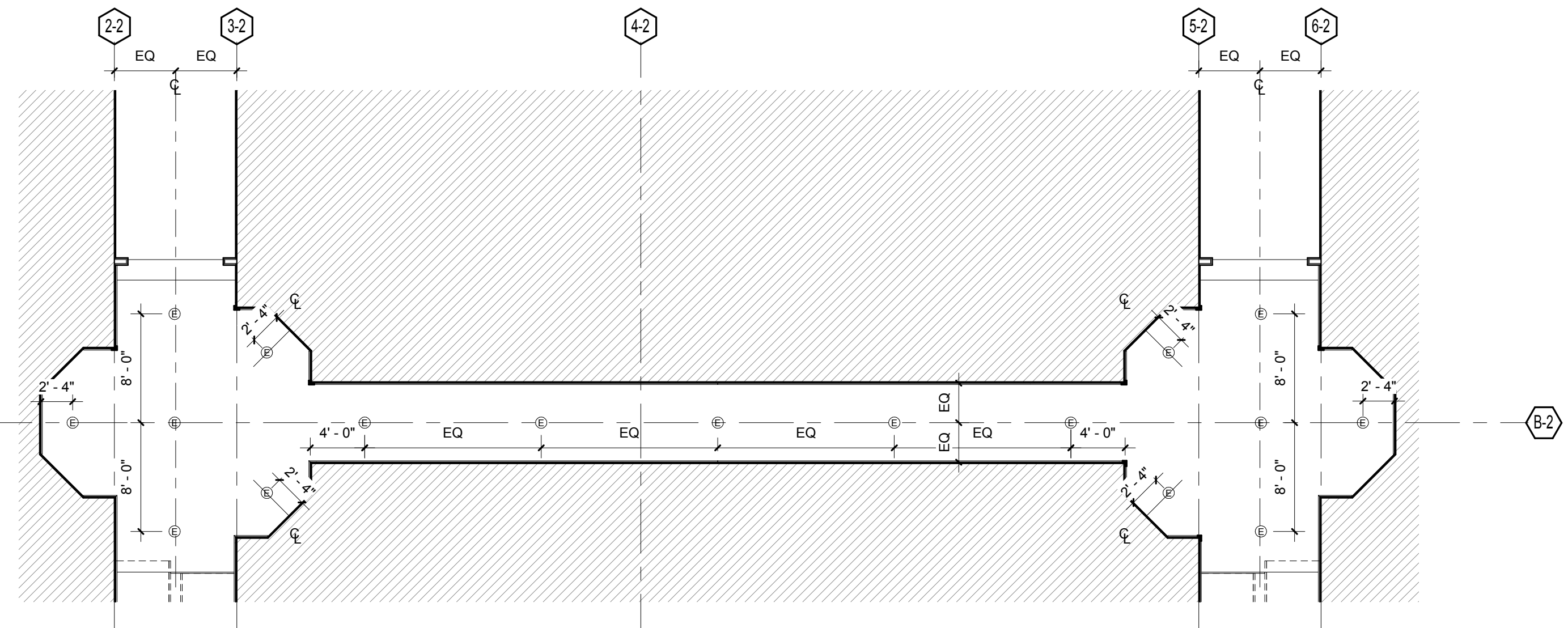
No.	Date	Description


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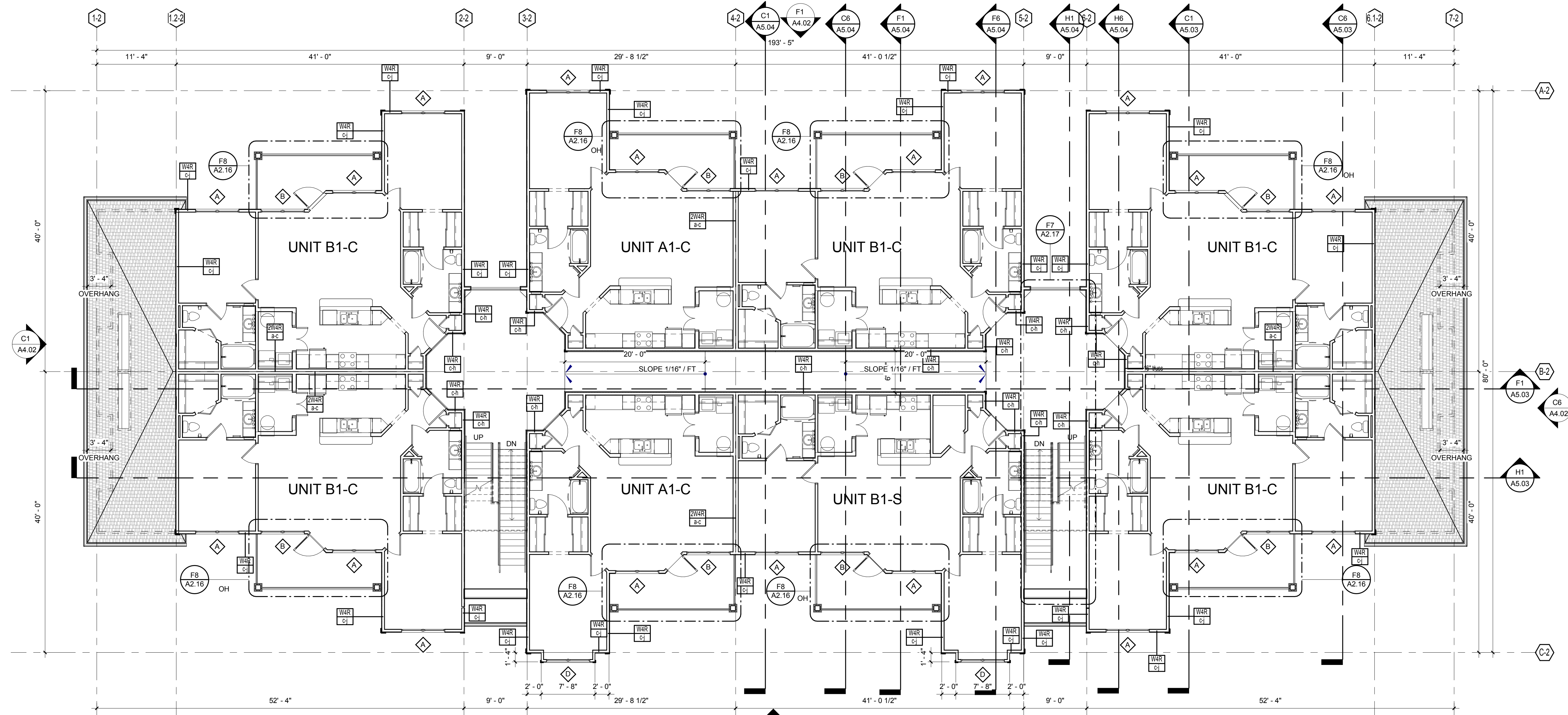
BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Date: 04/29/2013
 Project #: 5166.400

BUILDING TYPE 2 - GROUND LEVEL
A2.05

PATRICK D. FITCH
 LICENSE # 103195



C4 BUILDING TYPE 2 - LEVEL 2 RCP
1/8" = 1'-0"



H1 BUILDING TYPE 2 - LEVEL 2
1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEETS A3.01 TO A3.11 FOR ENLARGED UNIT PLANS.
- ALL ACCESSIBLE LABELED GROUND FLOOR UNITS ARE TO BE COMPLIANT PER ANS/ AND THE FAIR HOUSING ACT (FHA). ALL OTHER GROUND UNITS ARE TO BE COMPLIANT PER THE FAIR HOUSING ACT (FHA).
- COORDINATE BREEZEWAY FLOOR & CEILING CONTROL JOINT PLACEMENT WHERE POSSIBLE.

LEGEND:

- FRC FIRE RISER CLOSET
- FDC FIRE DEPARTMENT CONNECTION

BUILDING NUMBER	8
TYPE	2
ADDRESS	[2439] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	10
TYPE	2
ADDRESS	[2423] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

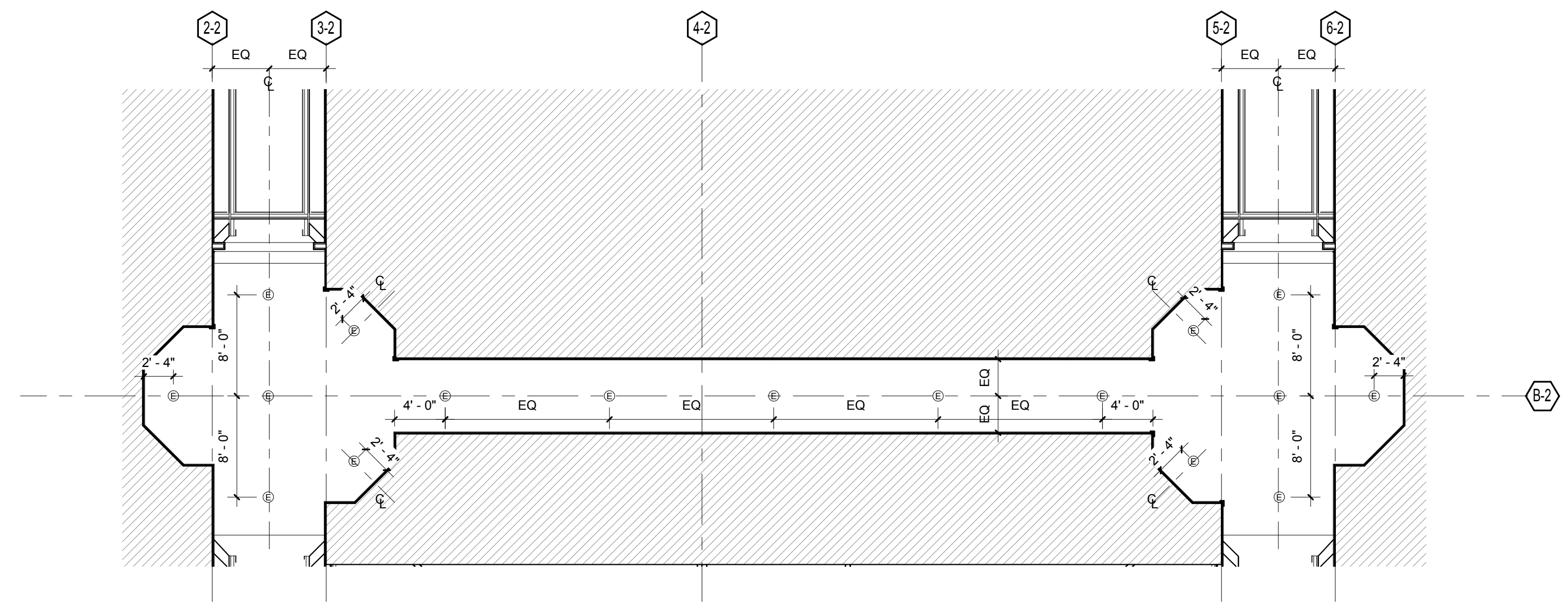


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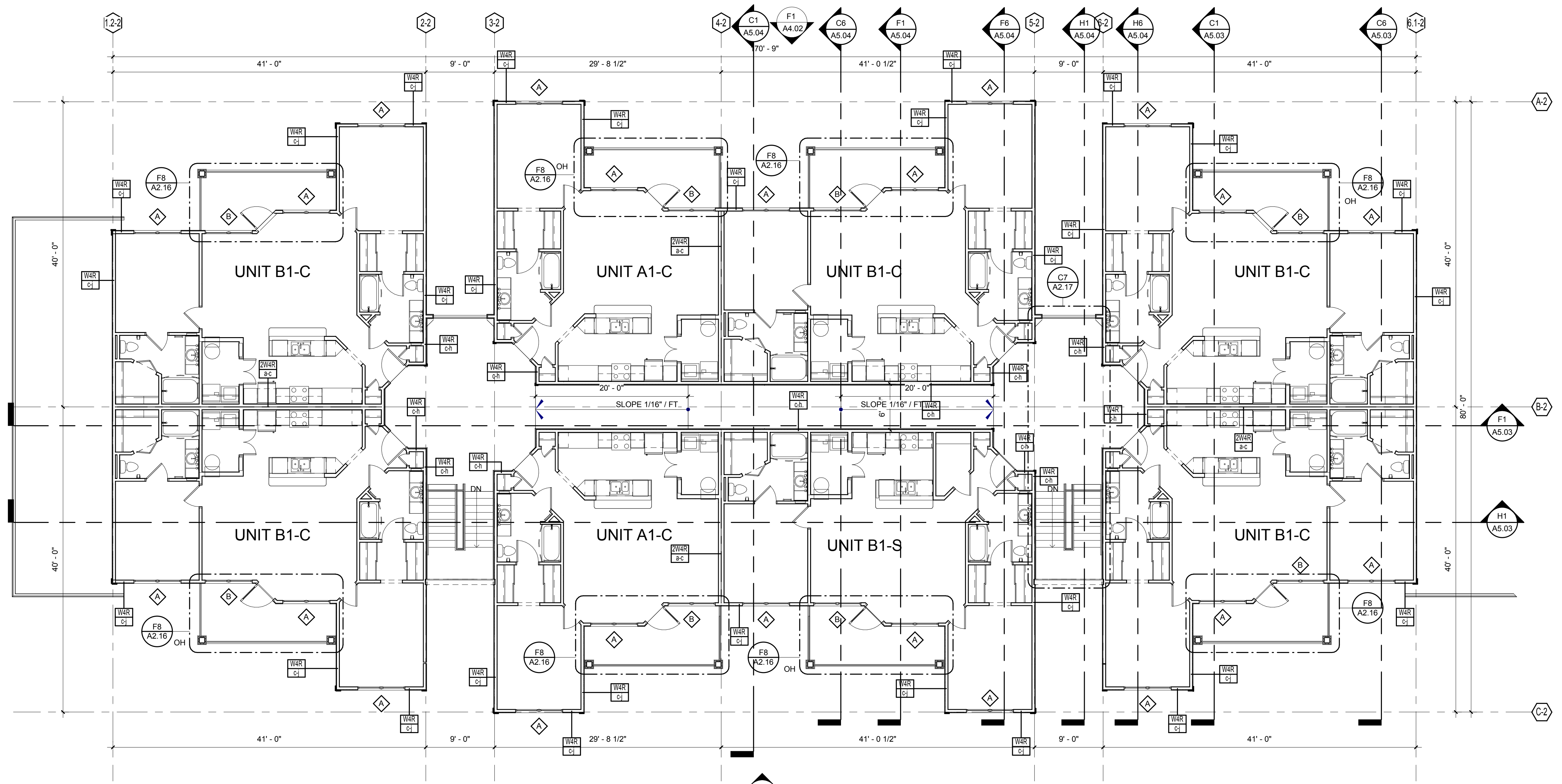
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 2 - LEVEL 2 A2.06

PATRICK D. FITCH
LICENSE # 103195



C4 BUILDING TYPE 2 - LEVEL 3 RCP
1/8" = 1'-0"



H2 BUILDING TYPE 2 - LEVEL 3
1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEETS A3.01 TO A3.11 FOR ENLARGED UNIT PLANS.
- ALL ACCESSIBLE LABELED GROUND FLOOR UNITS ARE TO BE COMPLIANT PER ANSI AND THE FAIR HOUSING ACT (FHA). ALL OTHER GROUND UNITS ARE TO BE COMPLIANT PER THE FAIR HOUSING ACT (FHA).
- COORDINATE BREEZEWAY FLOOR & CEILING CONTROL JOINT PLACEMENT WHERE POSSIBLE.

LEGEND:

- FRC FIRE RISER CLOSET
- FDC FIRE DEPARTMENT CONNECTION

BUILDING NUMBER	8
TYPE	2
ADDRESS	[2439] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	10
TYPE	2
ADDRESS	[2423] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

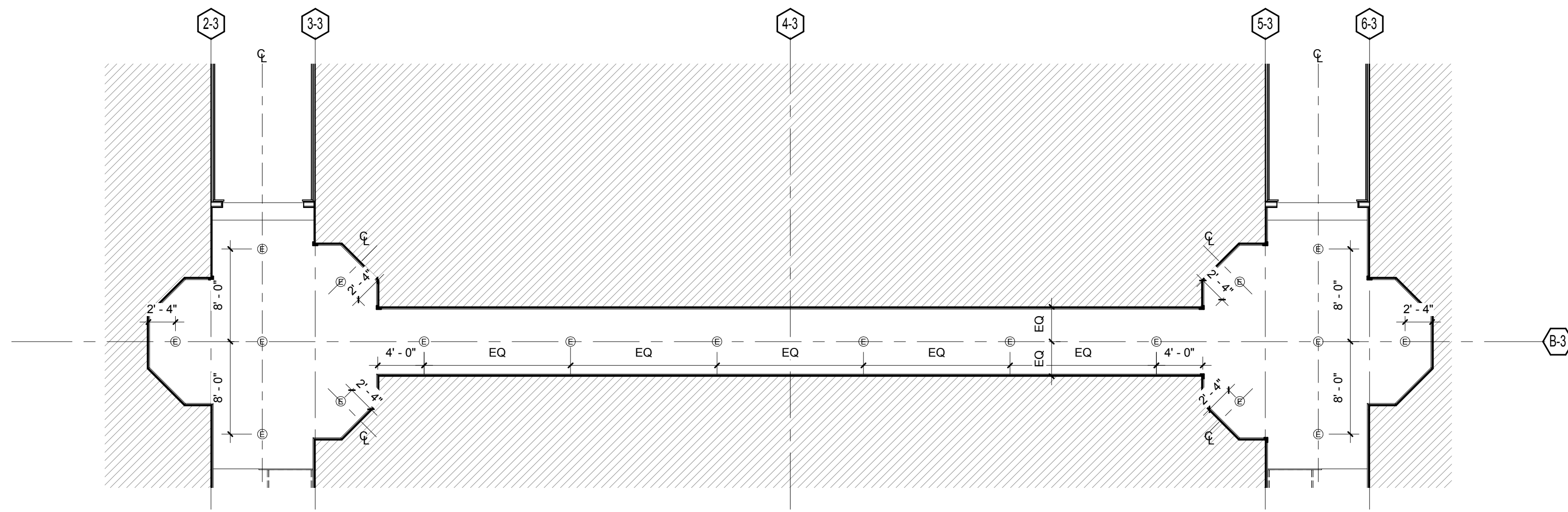


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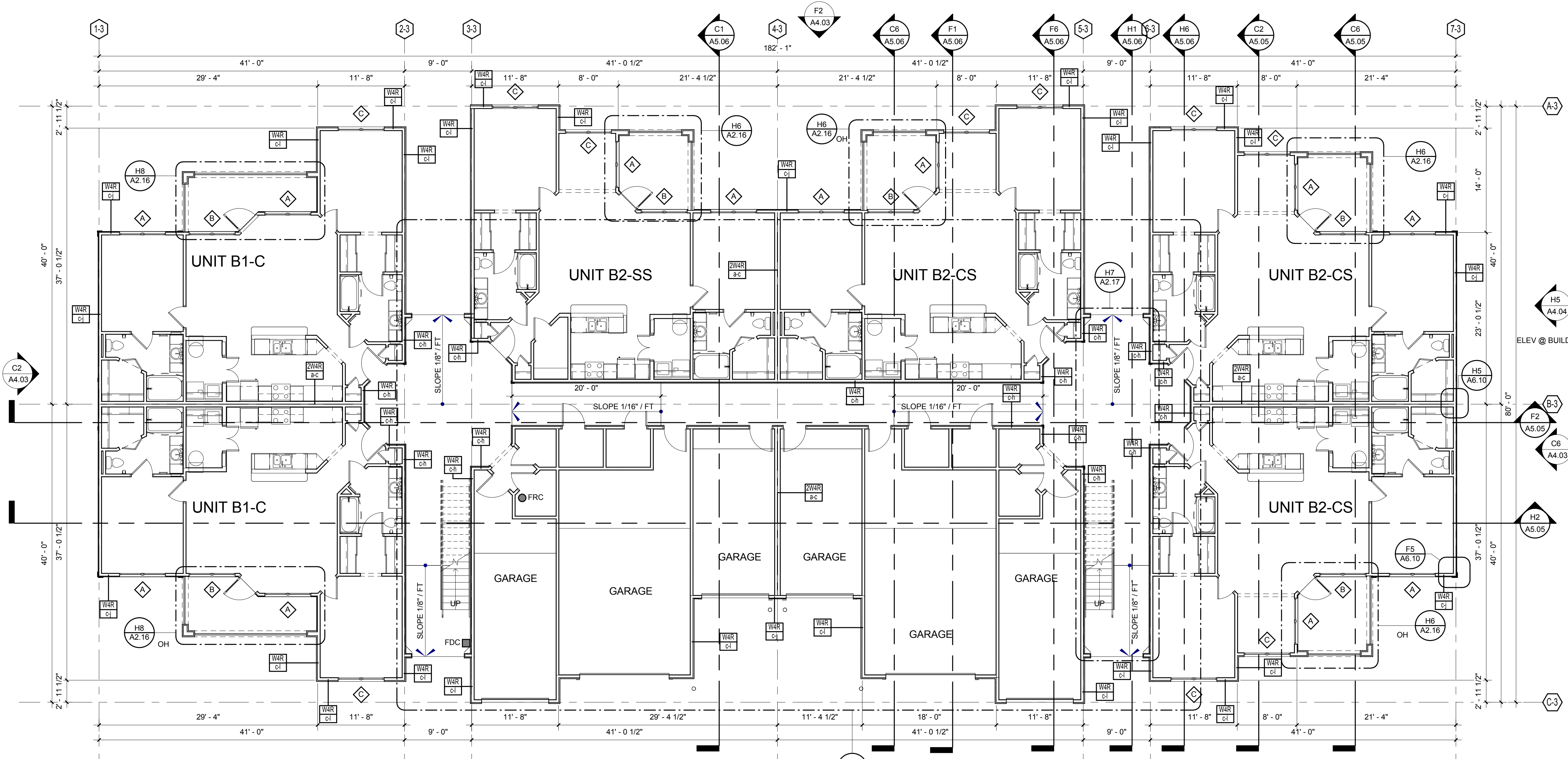
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 2 - LEVEL 3
A2.07

PATRICK D. FITCH
LICENSE # 103195



C4 BUILDING TYPE 3 - GROUND LEVEL RCP
1/8" = 1'-0"



H2 BUILDING TYPE 3 - GROUND LEVEL
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEETS A3.01 TO A3.11 FOR ENLARGED UNIT PLANS.
2. ALL ACCESSIBLE LABELED GROUND FLOOR UNITS ARE TO BE COMPLIANT PER ANSI AND THE FAIR HOUSING ACT (FHA). ALL OTHER GROUND UNITS ARE TO BE COMPLIANT PER THE FAIR HOUSING ACT (FHA).
3. COORDINATE BREEZEWAY FLOOR & CEILING CONTROL JOINT PLACEMENT WHERE POSSIBLE.

LEGEND:

- FRC FIRE RISER CLOSET
- FDC FIRE DEPARTMENT CONNECTION

BUILDING NUMBER	2
TYPE	3
ADDRESS	[2487] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	7
TYPE	3
ADDRESS	[2447] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

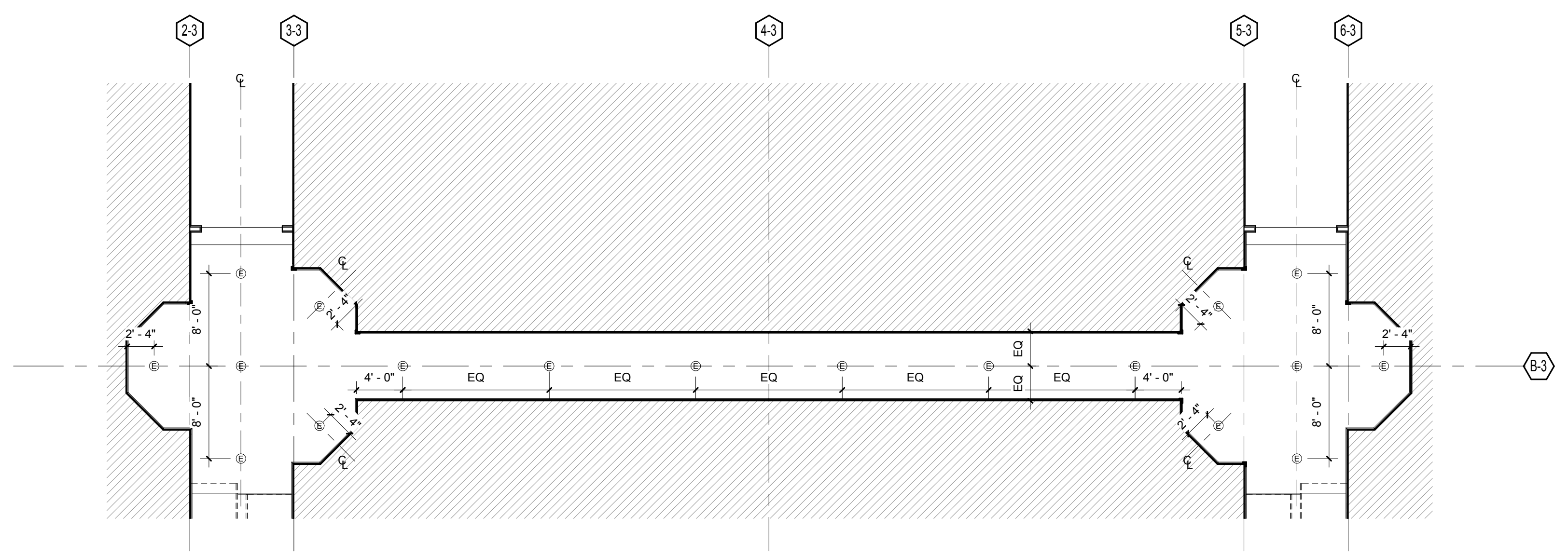
No.	Date	Description


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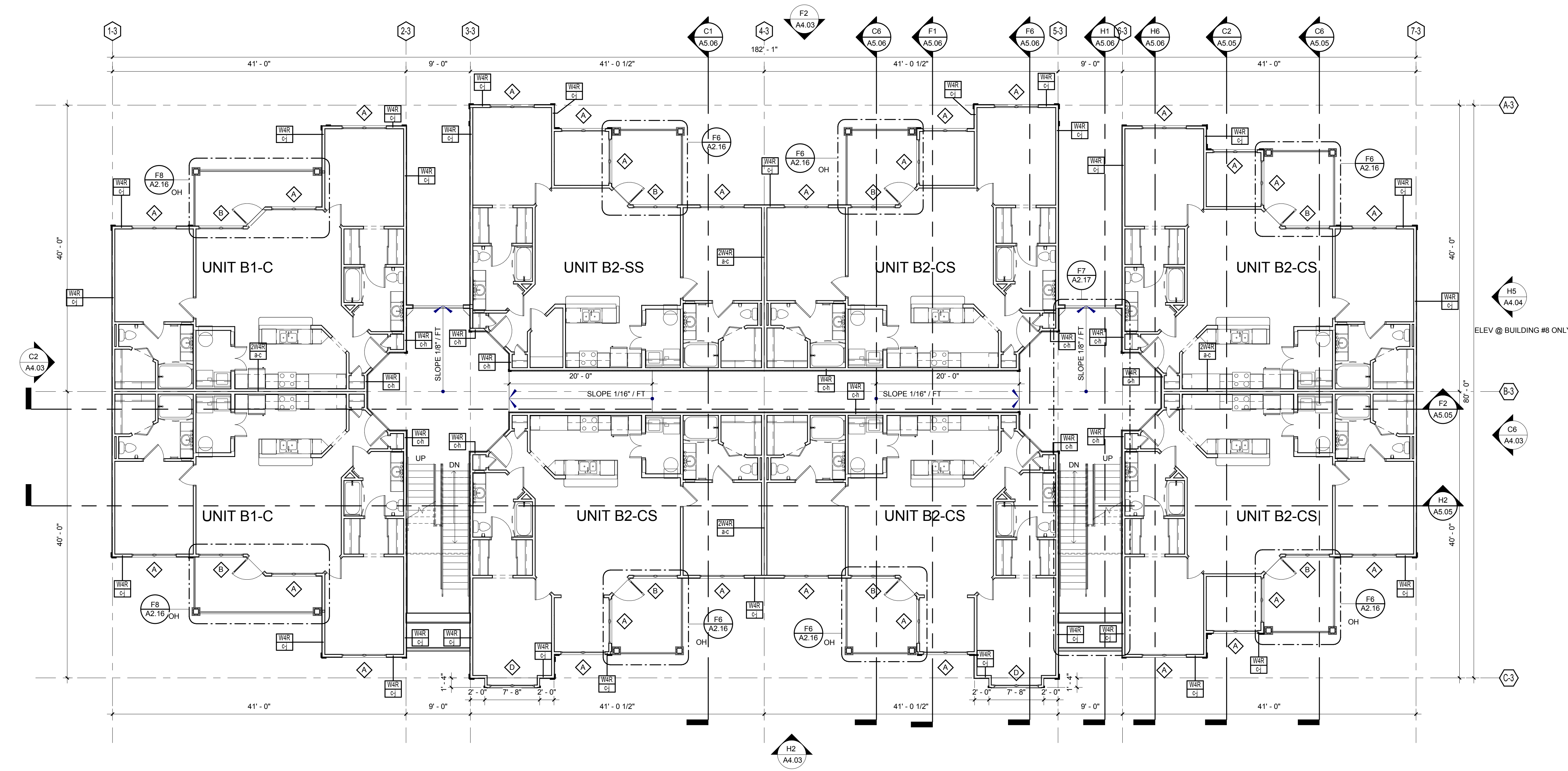
BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Date: 04/29/2013
 Project #: 5166.400

BUILDING TYPE 3 - GROUND LEVEL
A2.09

PATRICK D. FITCH
 LICENSE # 103195



C4 BUILDING TYPE 3 - LEVEL 2 RCP
1/8" = 1'-0"



H2 BUILDING TYPE 3 - LEVEL 2
1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEETS A3.01 TO A3.11 FOR ENLARGED UNIT PLANS.
- ALL ACCESSIBLE LABELED GROUND FLOOR UNITS ARE TO BE COMPLIANT PER ANS AND THE FAIR HOUSING ACT (FHA). ALL OTHER GROUND UNITS ARE TO BE COMPLIANT PER THE FAIR HOUSING ACT (FHA).
- COORDINATE BREEZEWAY FLOOR & CEILING CONTROL JOINT PLACEMENT WHERE POSSIBLE.

LEGEND:

- FRC FIRE RISER CLOSET
- FDC FIRE DEPARTMENT CONNECTION

BUILDING NUMBER	2
TYPE	3
ADDRESS	[2487] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	7
TYPE	3
ADDRESS	[2447] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

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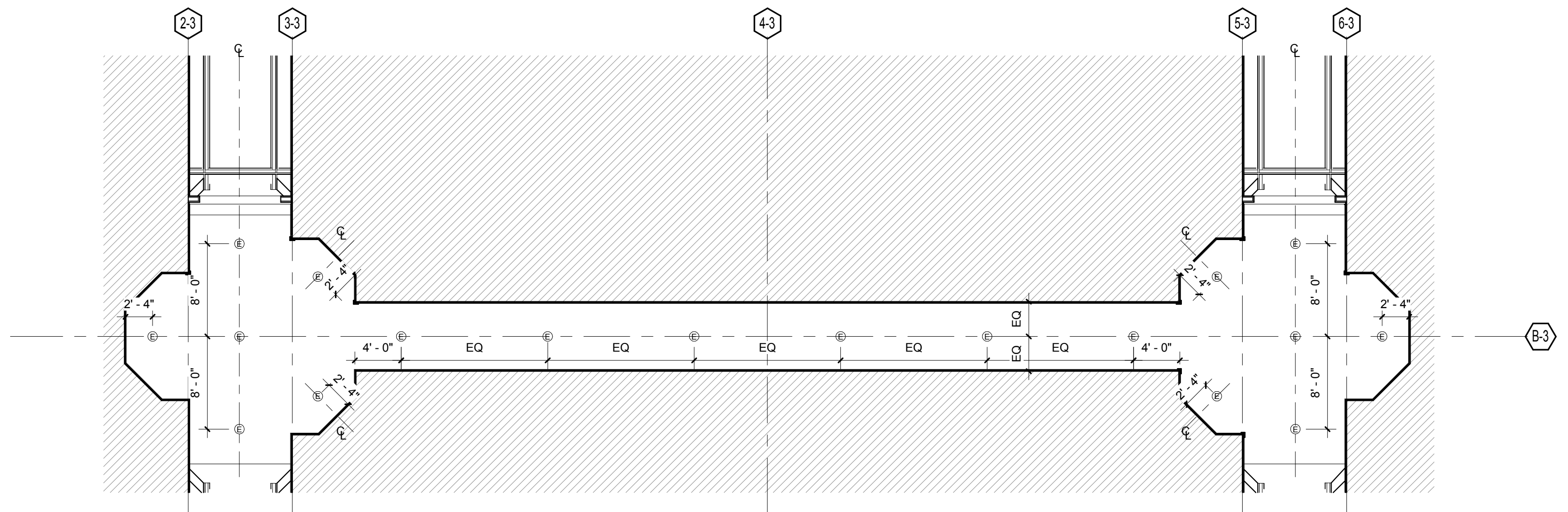
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

Drawn: FZ
Checked: PF
Approval: PF
Date: 04/29/2013
Project #: 5166.400

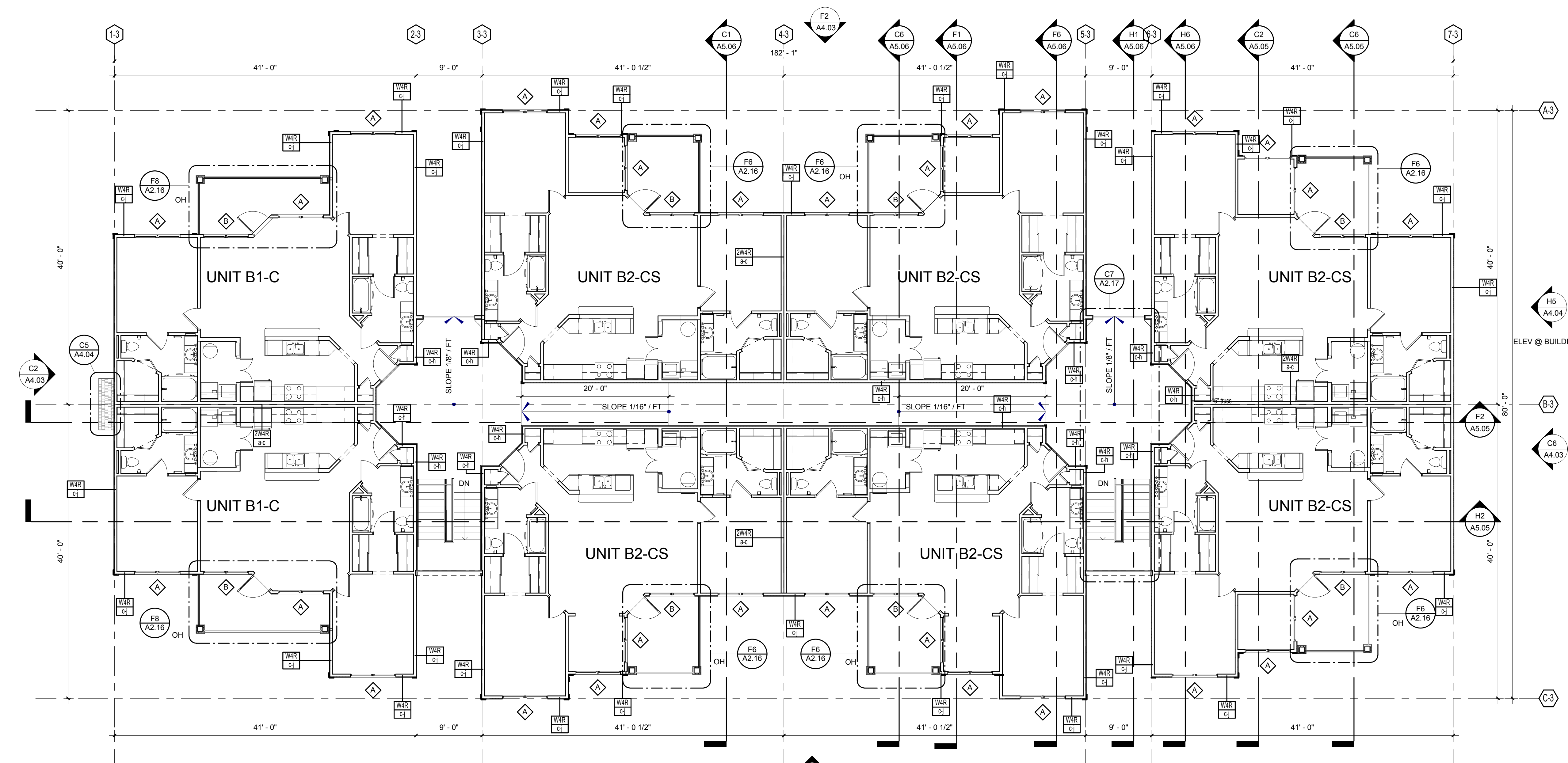
BUILDING TYPE 3 - LEVEL 2

A2.10

PATRICK D. FITCH
LICENSE # 103195



C4 BUILDING TYPE 3 - LEVEL 3 RCP
1/8" = 1'-0"



H2 BUILDING TYPE 3 - LEVEL 3
1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEETS A3.01 TO A3.11 FOR ENLARGED UNIT PLANS.
- ALL ACCESSIBLE LABELED GROUND FLOOR UNITS ARE TO BE COMPLIANT PER ANS/ AND THE FAIR HOUSING ACT (FHA). ALL OTHER GROUND UNITS ARE TO BE COMPLIANT PER THE FAIR HOUSING ACT (FHA).
- COORDINATE BREEZEWAY FLOOR & CEILING CONTROL JOINT PLACEMENT WHERE POSSIBLE.

LEGEND:

- FRC FIRE RISER CLOSET
- FDC FIRE DEPARTMENT CONNECTION

BUILDING NUMBER	2
TYPE	3
ADDRESS	[2487] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	7
TYPE	3
ADDRESS	[2447] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

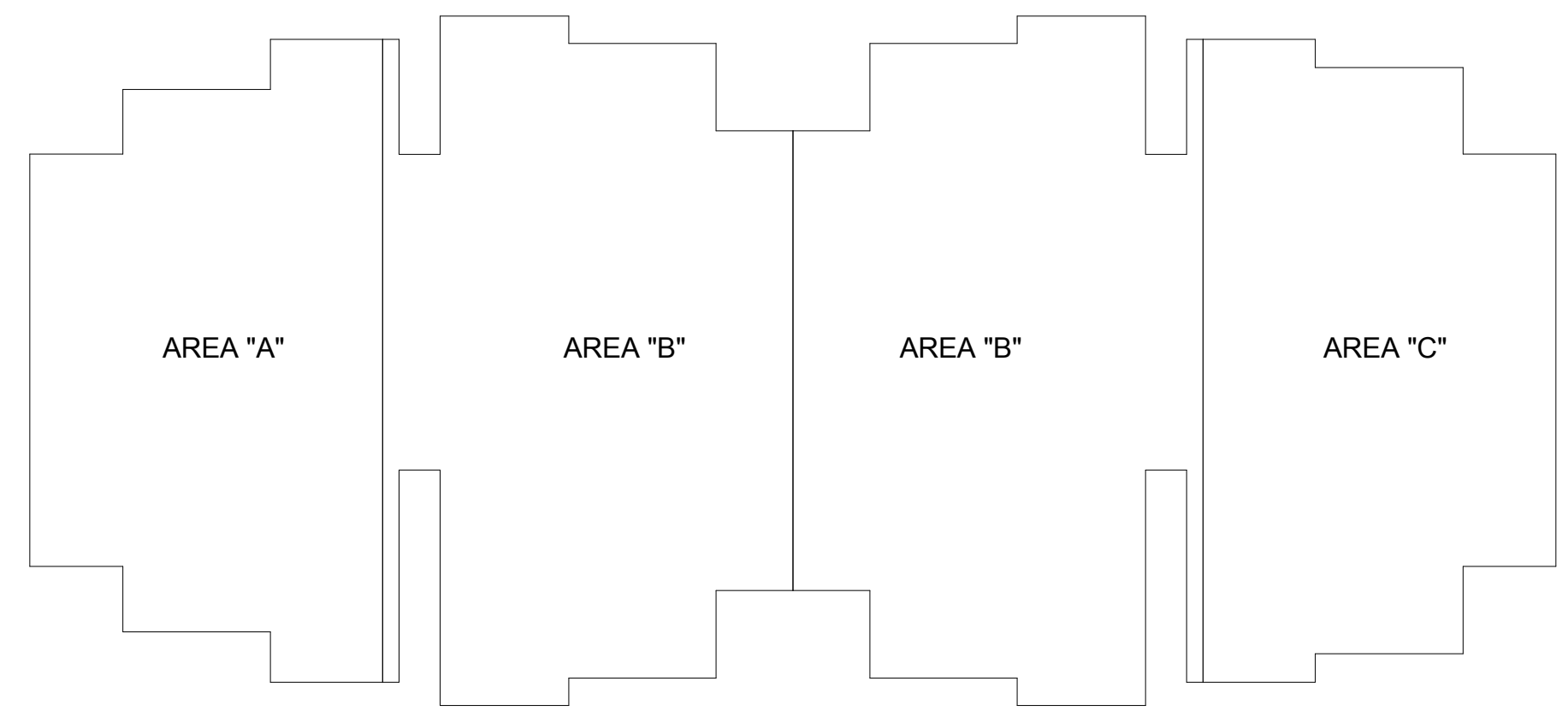


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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 3 - LEVEL 3
A2.11

PATRICK D. FITCH
LICENSE # 103195



ATTIC VENT CALCULATIONS - AREA A		
	REQUIRED	PROVIDED
TOTAL ROOF AREA	= 2720 SQ. FT.	
PER IRC 2006, SECTION 1203 (1/150)	= $\frac{2720}{150} \times 0.0098$	
REQ. VENTILATED AREA	17.9 SQ. FT.	
TOTAL SOFFIT LIN. FT.		161.6 LIN. FT.
OPENING NET VENTILATION	$\times 0.07$ SQ. FT.	
NET FREE AREA	8.95 (50%)	11.3 SQ. FT.
NET OFF RIDGE VENT AREA		1.95 SQ. FT.
NUMBER OF VENTS	$\times 8$	
NET FREE AREA	8.95 (50%)	11.7 SQ. FT.
TOTAL VENTILATED AREA	17.9 SQ. FT.	23 SQ. FT.

ATTIC VENT CALCULATIONS - AREA B		
	REQUIRED	PROVIDED
TOTAL ROOF AREA	= 3436 SQ. FT.	
PER IRC 2006, SECTION 1203 (1/150)	= $\frac{3436}{150} \times 0.0098$	
REQ. VENTILATED AREA	22.6 SQ. FT.	
TOTAL SOFFIT LIN. FT.		213.8 LIN. FT.
OPENING NET VENTILATION	$\times 0.07$ SQ. FT.	
NET FREE AREA	11.3 (50%)	14.9 SQ. FT.
NET OFF RIDGE VENT AREA		1.95 SQ. FT.
NUMBER OF VENTS	$\times 8$	
NET FREE AREA	11.3 (50%)	17.7 SQ. FT.
TOTAL VENTILATED AREA	22.6 SQ. FT.	26.6 SQ. FT.

VENTILATION SCHEDULE		
ROOF VENT	MFGR & MODEL No.	FREE AREA
SOFFIT VENT AT EAVE	CERTAINTEED TRIPPLE 3-1/2" (INVISIVENT)	0.07 SQ. FT.
OFF RIDGE VENT	8' OFF RIDGE SHINGLE FLAT BY TAMCO	1.95 SQ. FT.

ATTIC VENT CALCULATIONS - AREA C		
	REQUIRED	PROVIDED
TOTAL ROOF AREA	= 2816 SQ. FT.	
PER IRC 2006, SECTION 1203 (1/150)	= $\frac{2816}{150} \times 0.0098$	
REQ. VENTILATED AREA	18.6 SQ. FT.	
TOTAL SOFFIT LIN. FT.		161.6 LIN. FT.
OPENING NET VENTILATION	$\times 0.07$ SQ. FT.	
NET FREE AREA	9.3 (50%)	11.3 SQ. FT.
NET OFF RIDGE VENT AREA		1.95 SQ. FT.
NUMBER OF VENTS	$\times 8$	
NET FREE AREA	9.3 (50%)	11.7 SQ. FT.
TOTAL VENTILATED AREA	18.6 SQ. FT.	23 SQ. FT.

GENERAL NOTES:

- PAINT ALL ROOF VENTS & PENETRATIONS TO MATCH ROOF SHINGLE COLOR.
- COORDINATE DOWN SPOUT DISCHARGE WITH CIVIL DRAWINGS. WHERE NOT TAKEN TO STORM, PROVIDE SPLASH BLOCK.
- LEAVE OPENING IN MAIN ROOF SHEATHING FOR VENTILATION UNDERNEATH OVER BUILT AREAS.
- DOWNSPOUTS & GUTTERS SHOWN ARE MIN. REQUIREMENTS SUBJECT TO OWNER'S CONSIDERATIONS

LEGEND:

- 3/8" THK. MIN. OSB EXTERIOR SHEATHING ATTIC DRAFTSTOP PARTITION. SEE H9/A5.20
- HINGED ACCESS PANEL, MIN. 36" X 36"
- 1HR. FIRE RATED ATTIC ACCESS PANEL, MIN. 22" X 36". COORDINATE WITH ROOF TRUSSES
- OFF RIDGE VENT
- INDICATES 36" SELF-ADHERED MEMBRANE UNDER ROOF FELT

BUILDING NUMBER	2
TYPE	3
ADDRESS	[2487] BRIDGE CIRCLE
PERMIT #	TBD

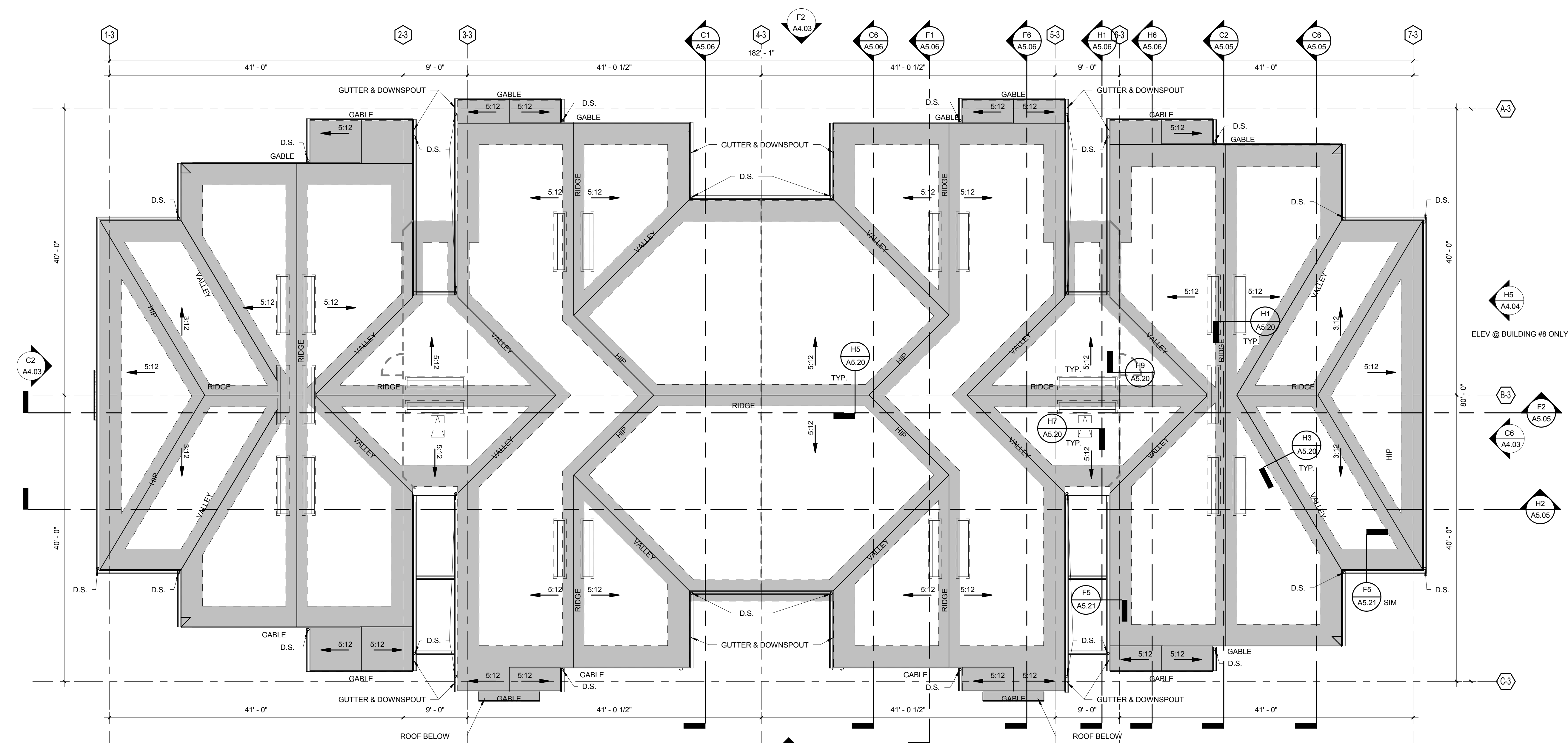
BUILDING NUMBER	7
TYPE	3
ADDRESS	[2447] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description



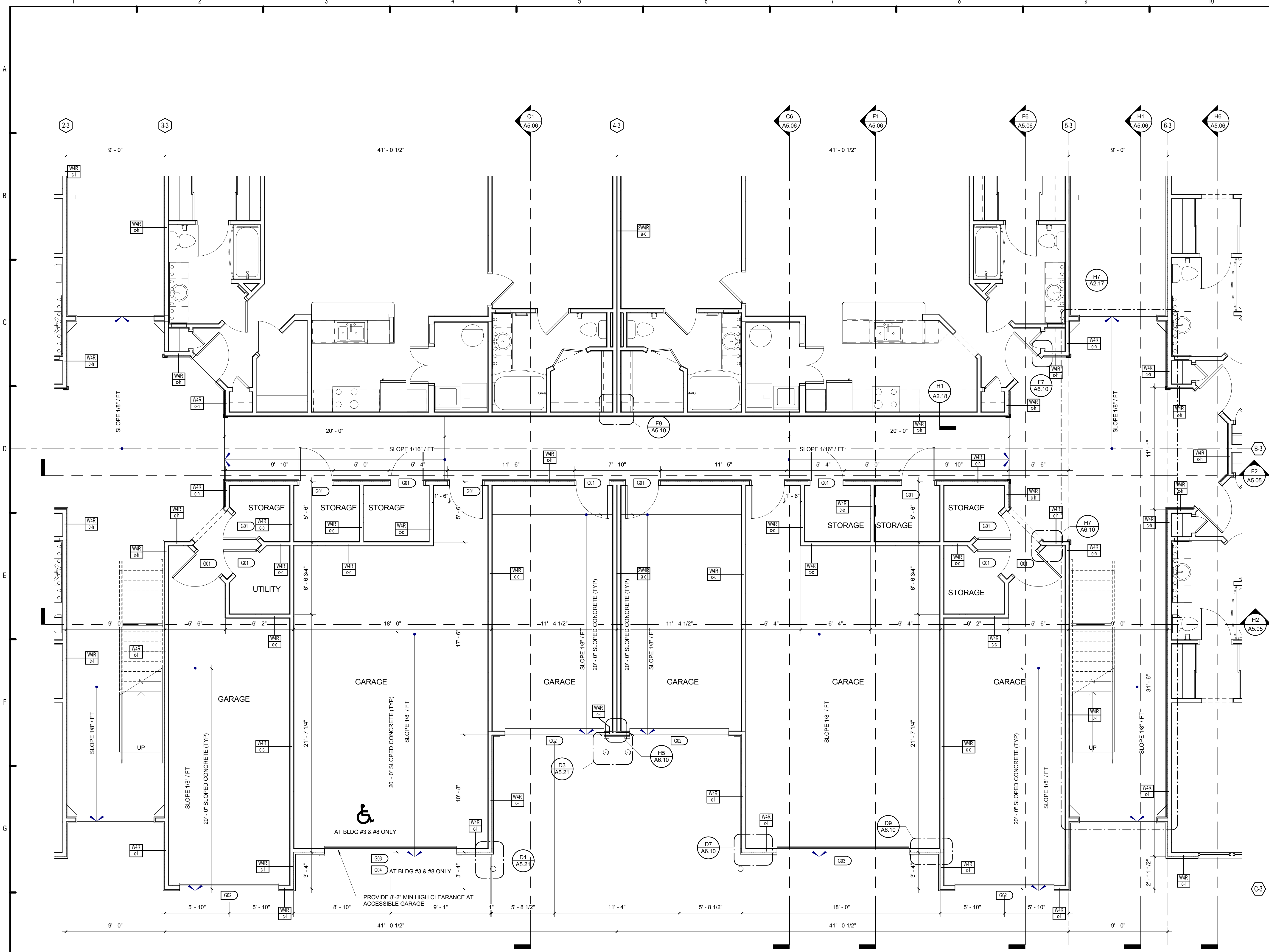
H2 BUILDING TYPE 3 - ROOF PLAN
1/8" = 1'-0"

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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

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

PATRICK D. FITCH
LICENSE # 103195



H2 BUILDING 3 - ENLARGED GARAGE & PUBLIC SPACE PLAN
 1/4" = 1'-0"
 H2/ A2.09

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

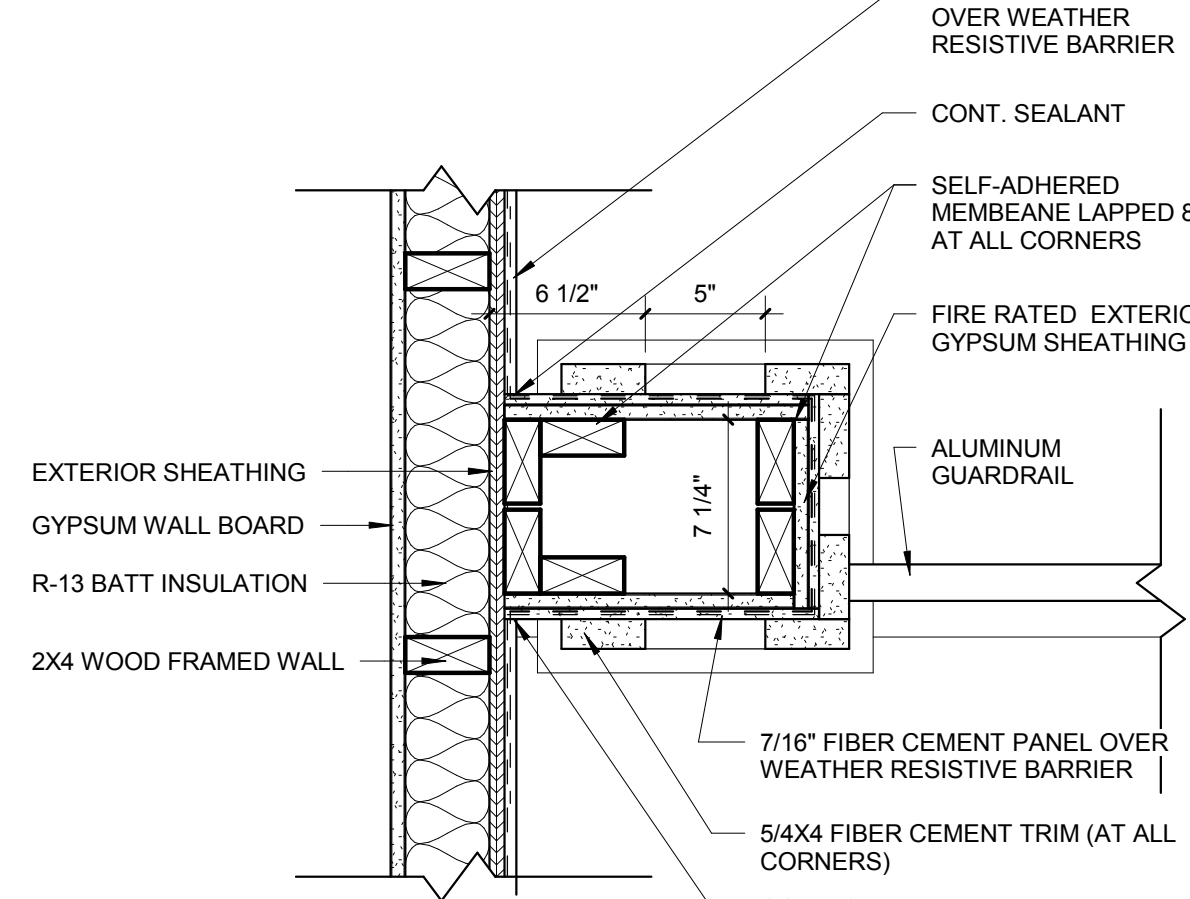
REVISION HISTORY		
No.	Date	Description


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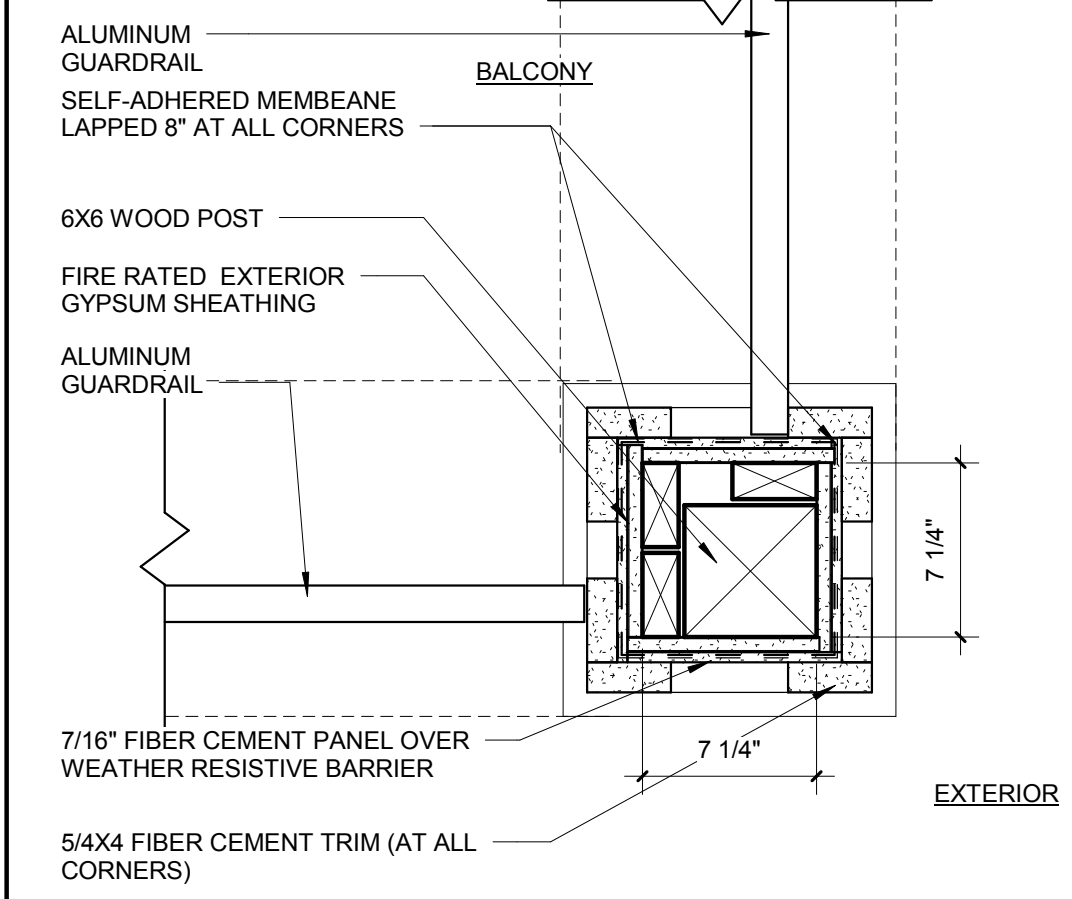
BRIDGEWAY APARTMENTS CHATTANOOGA, TN		Drawn: FZ Checked: PF Approval: PF Date: 04/29/2013 Project #: 5166.400
BUILDING TYPE 3 - GARAGE & PUBLIC SPACE		A2.15

PATRICK D. FITCH
 LICENSE # 103195

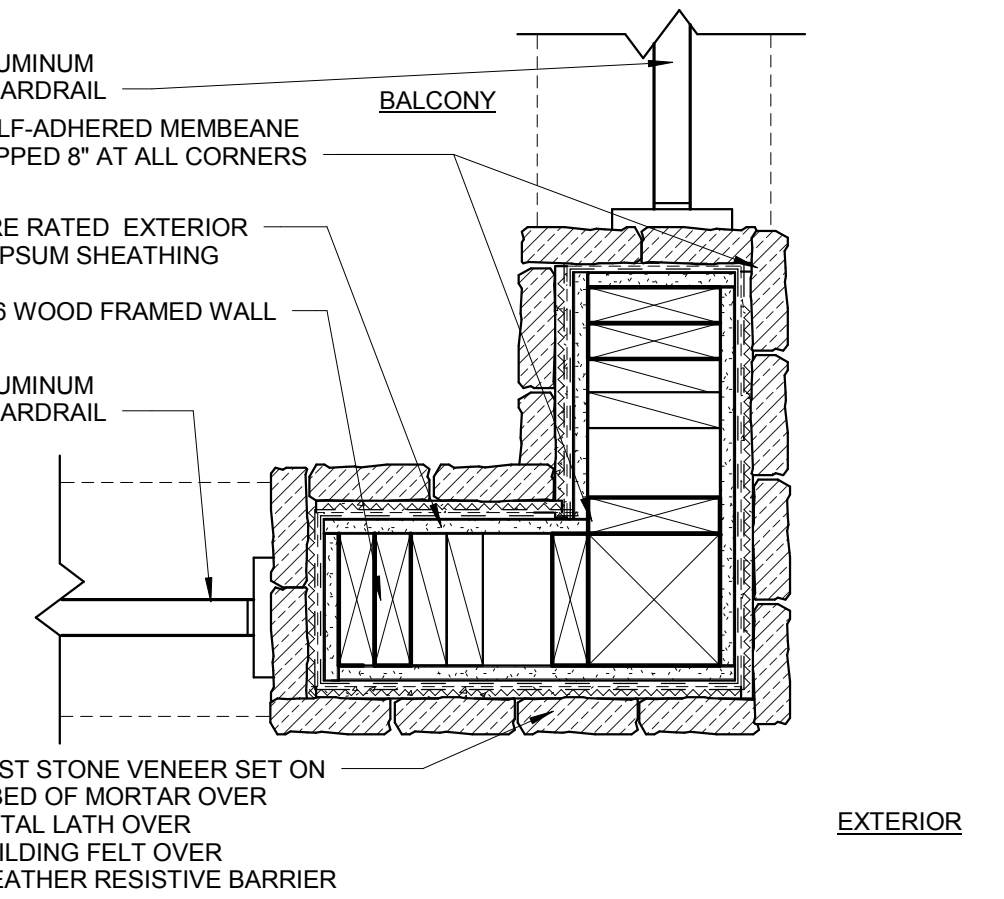
B1 PLAN DETAIL
1 1/2" = 1'-0"



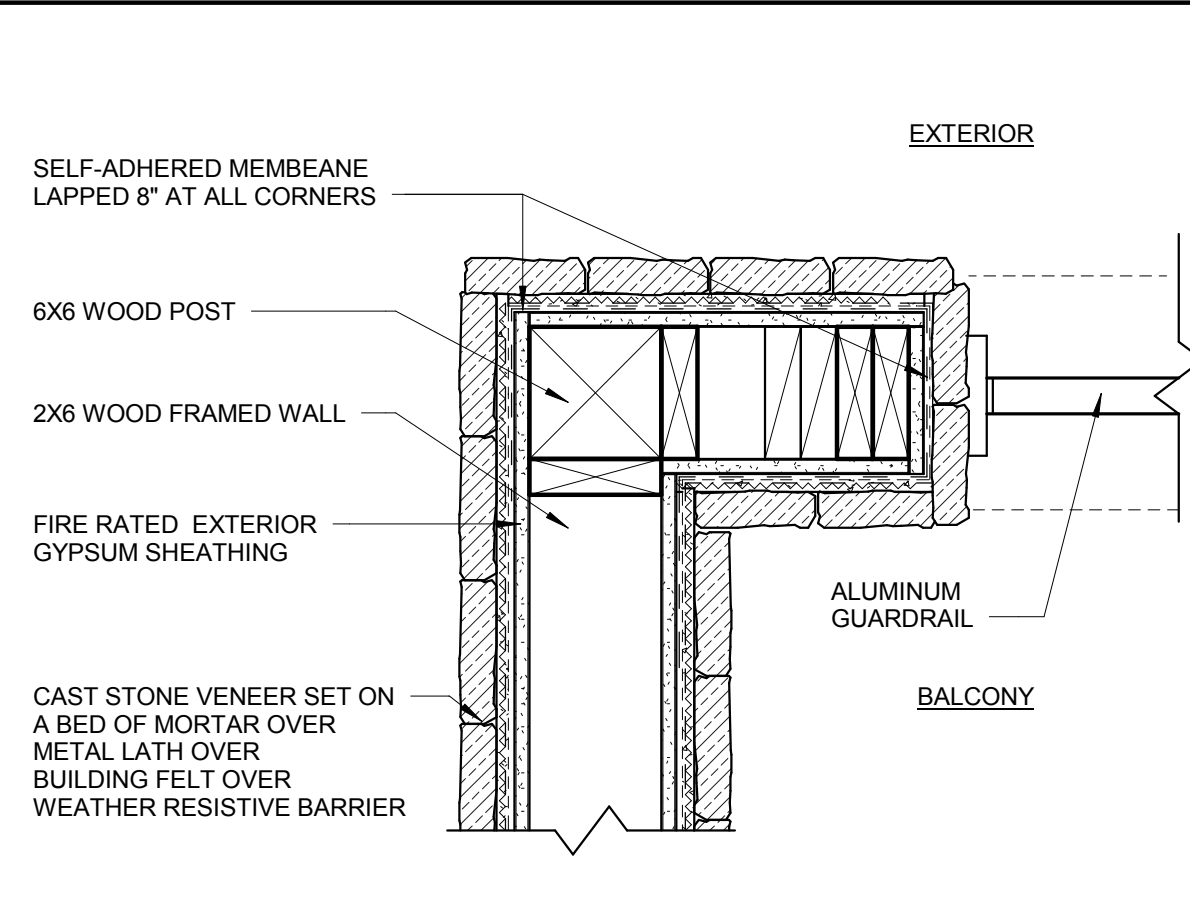
B3 PLAN DETAIL
1 1/2" = 1'-0"



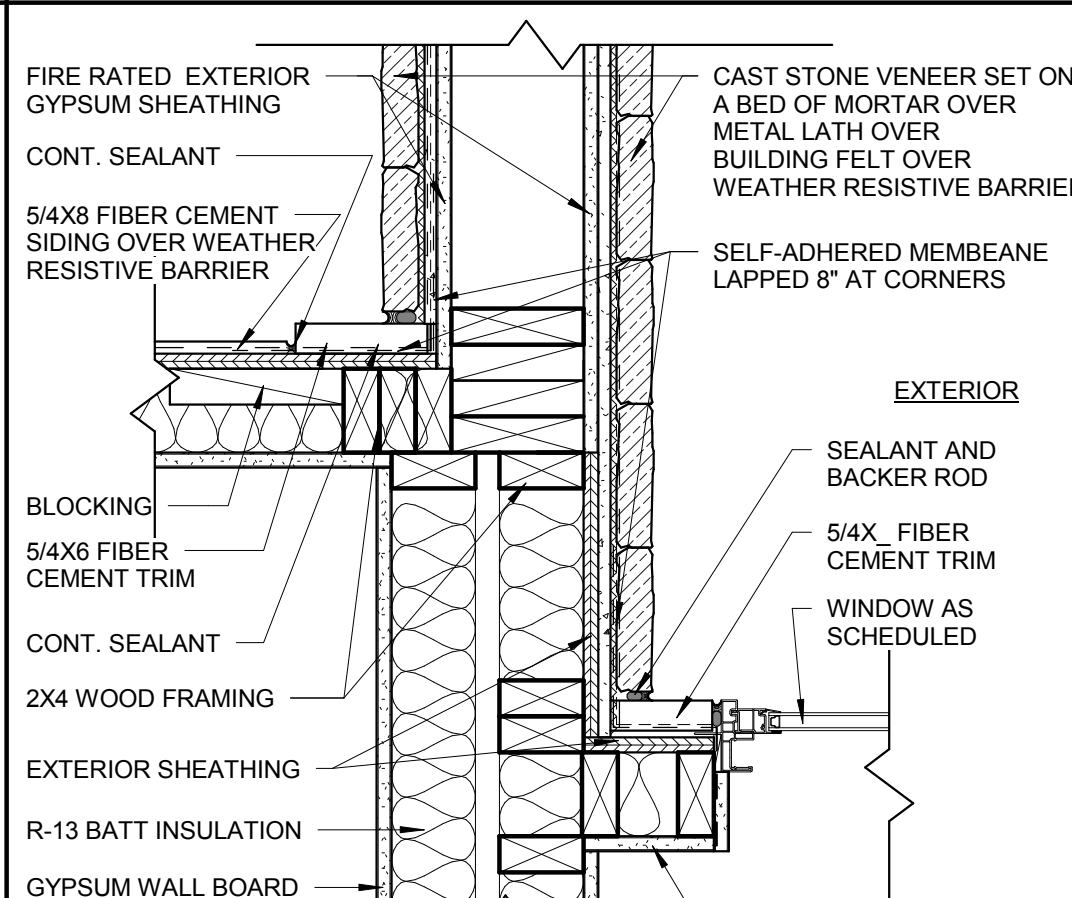
B6 PLAN DETAIL
1 1/2" = 1'-0"



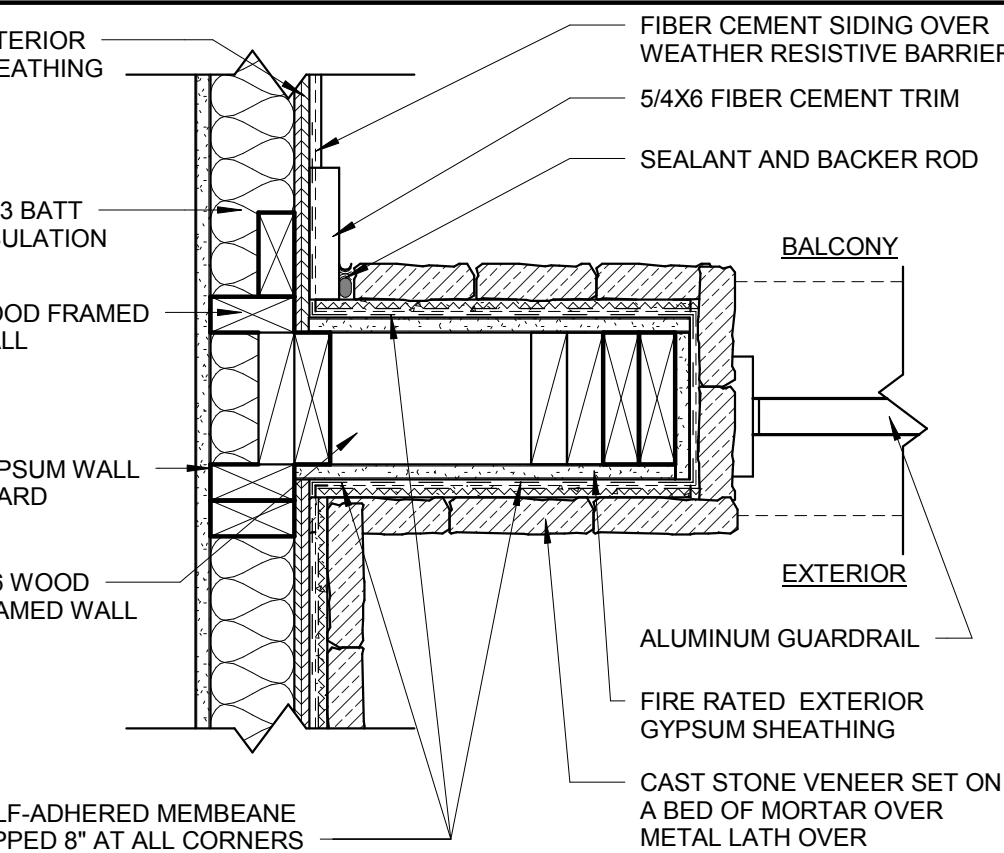
D1 PLAN DETAIL
1 1/2" = 1'-0"



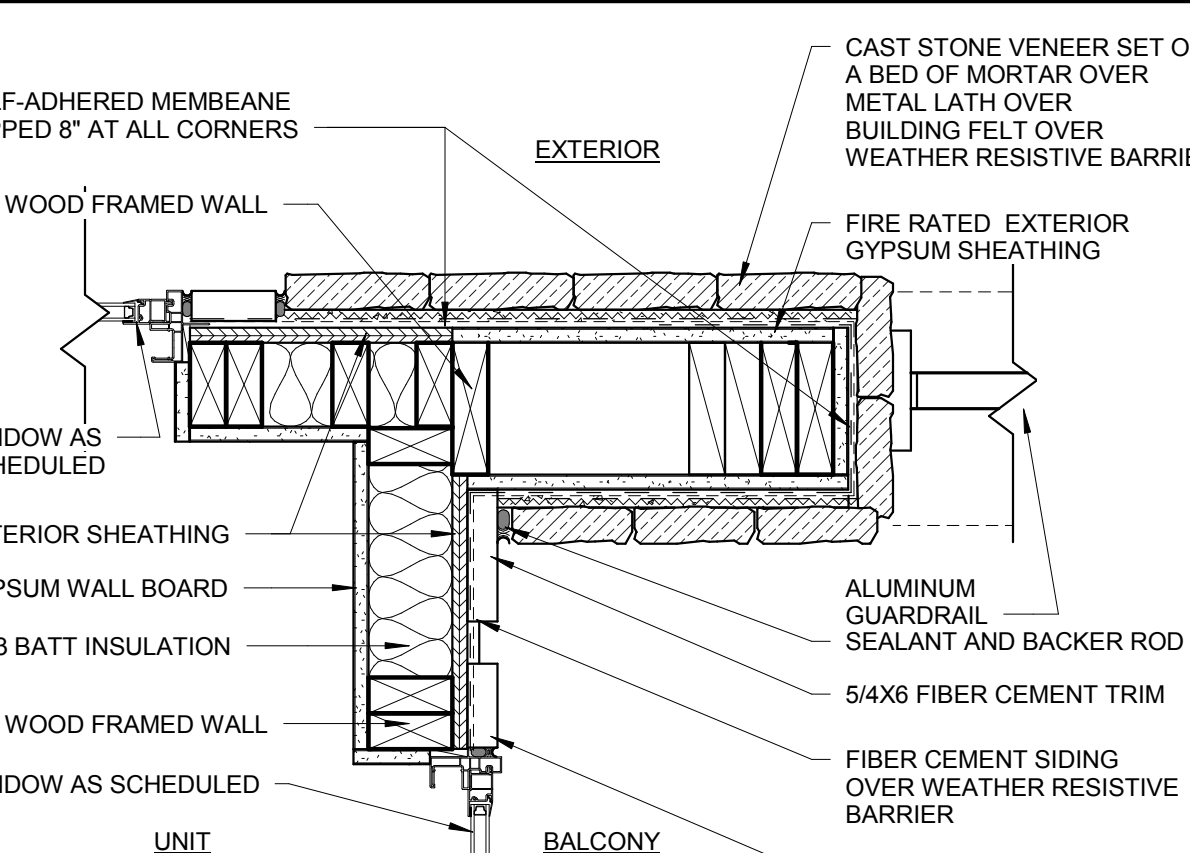
D4 PLAN DETAIL
1 1/2" = 1'-0"



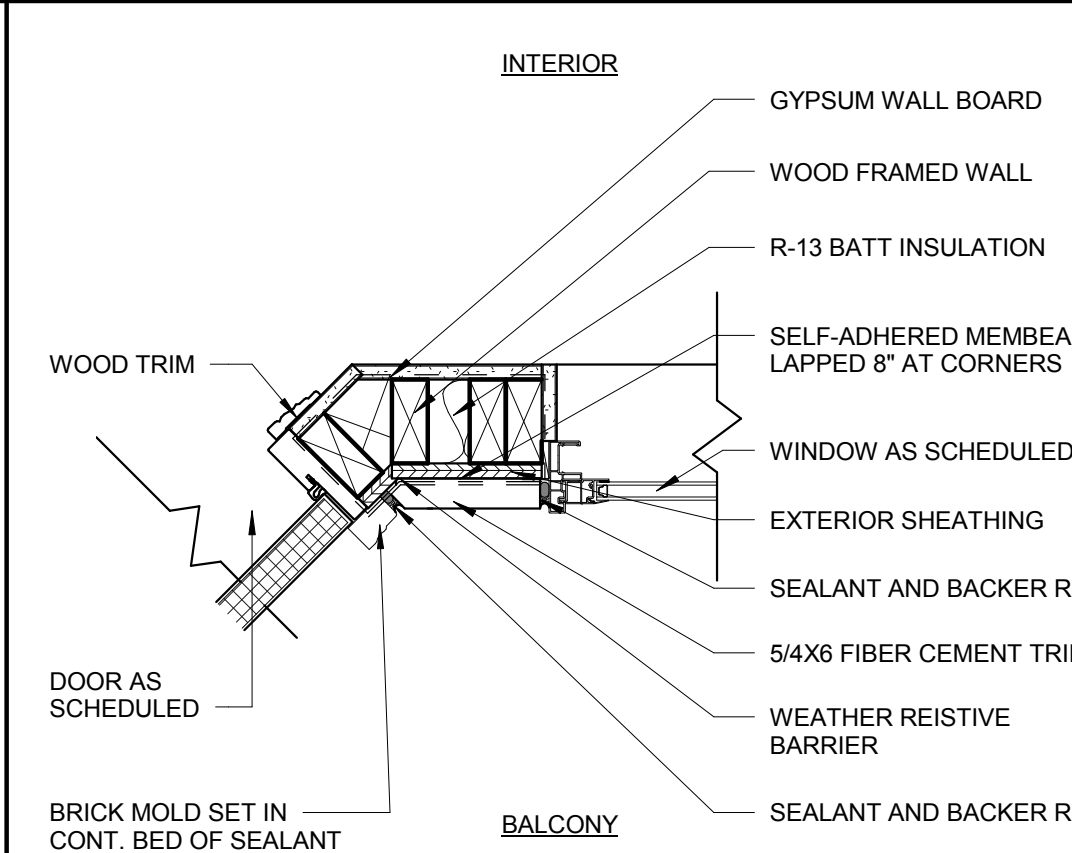
D6 PLAN DETAIL
1 1/2" = 1'-0"



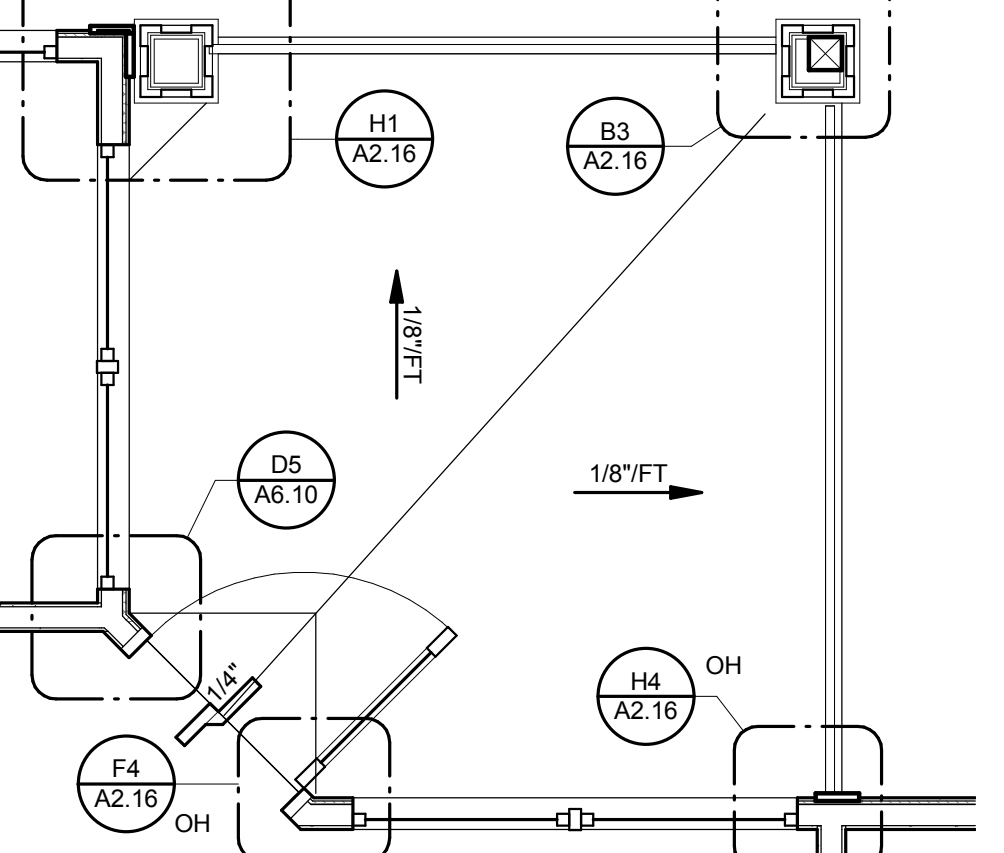
F1 PLAN DETAIL
1 1/2" = 1'-0"



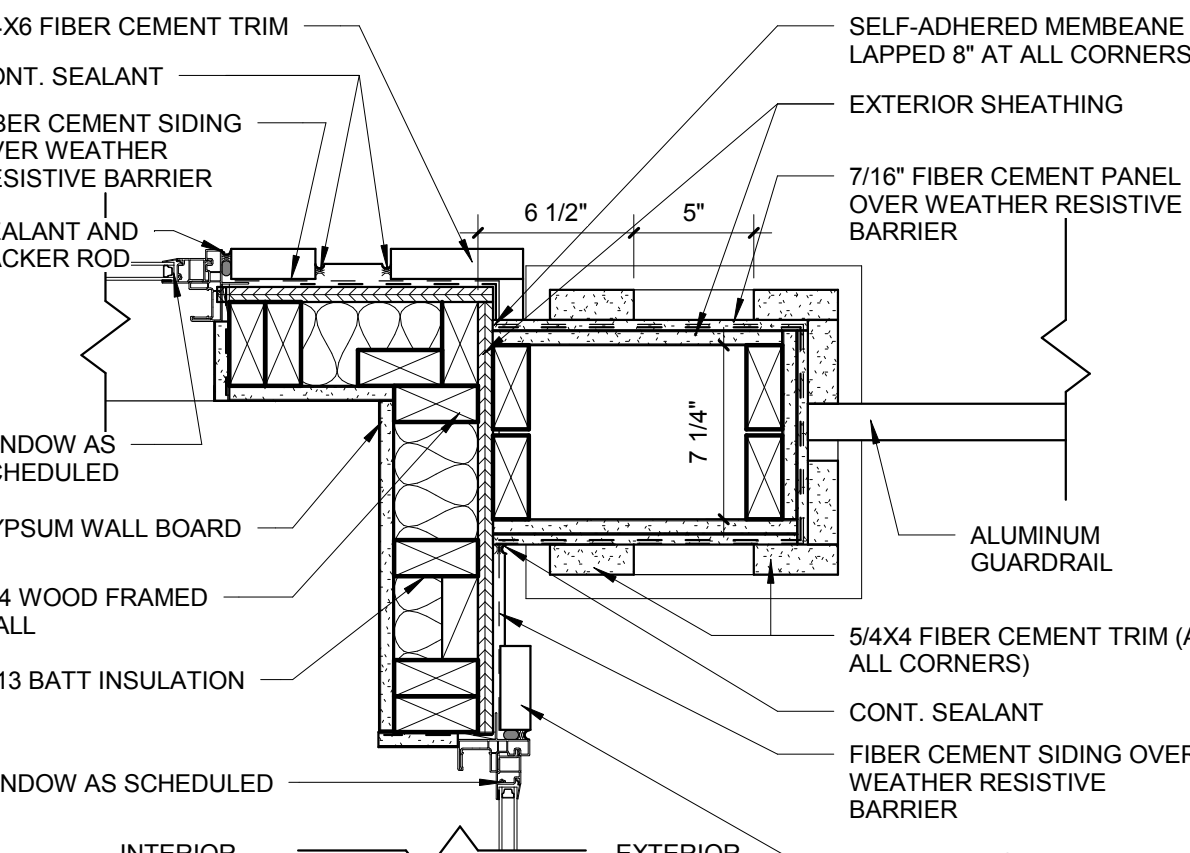
F4 PLAN DETAIL
1 1/2" = 1'-0"



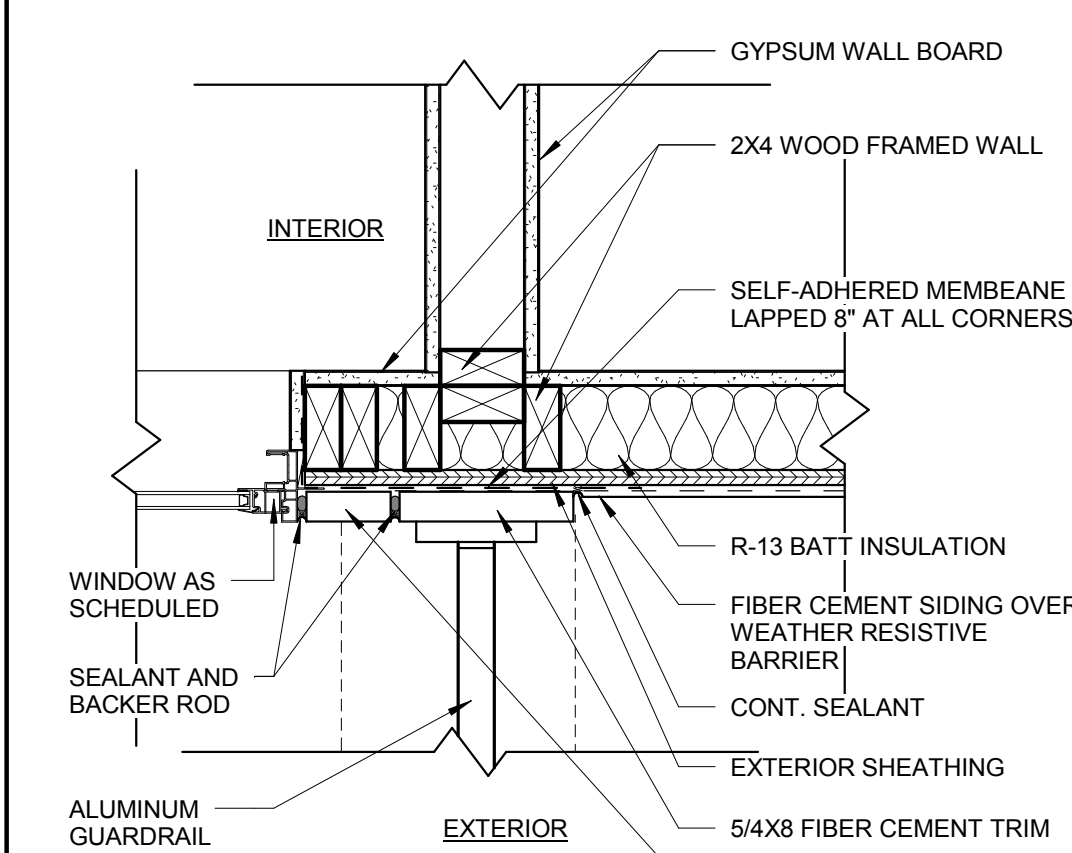
F6 BALCONY TYPE 3 - LEVELS 2 & 3
3/8" = 1'-0"



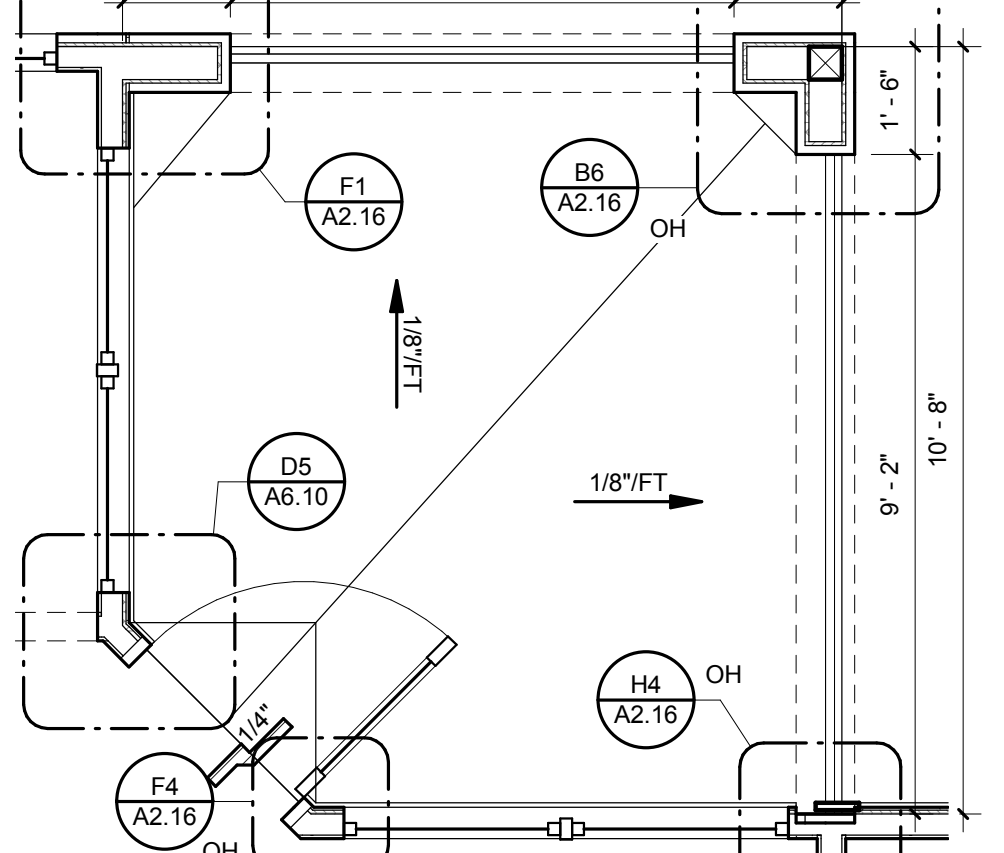
H1 PLAN DETAIL
1 1/2" = 1'-0"



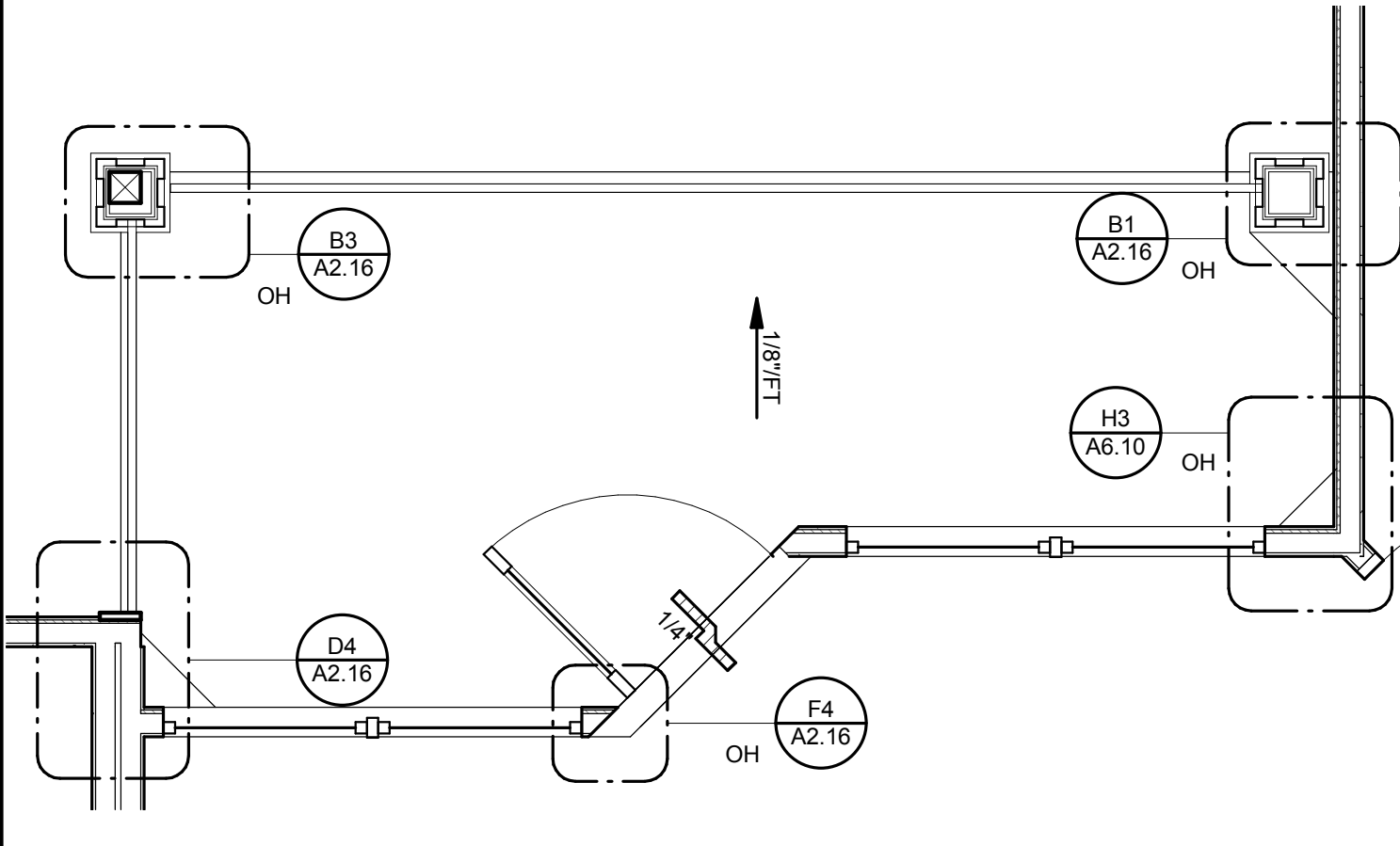
H4 PLAN DETAIL
1 1/2" = 1'-0"



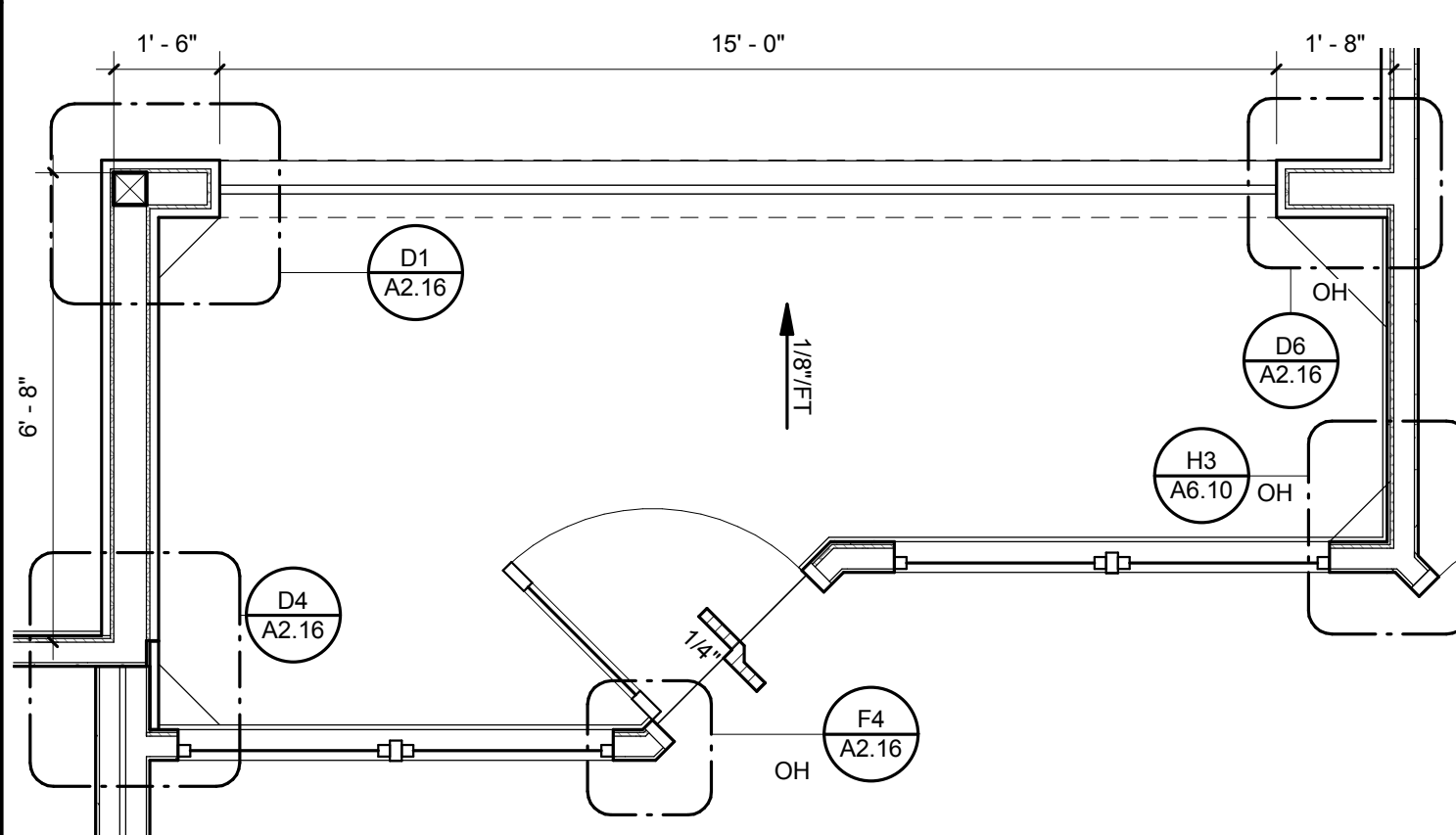
H6 BALCONY TYPE 3 - GROUND LEVEL
3/8" = 1'-0"



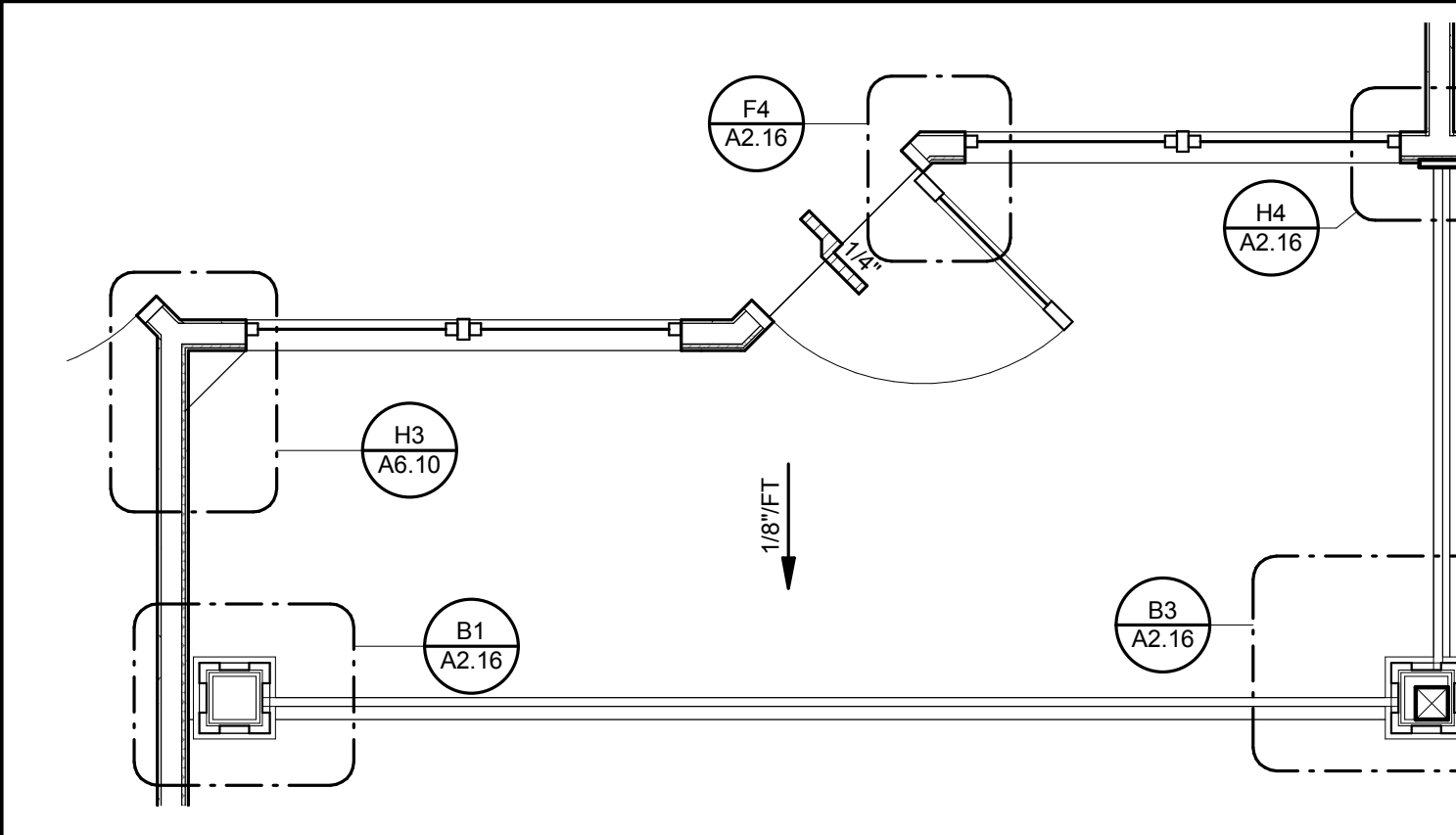
B8 BALCONY TYPE 2 - LEVELS 2 & 3
3/8" = 1'-0"



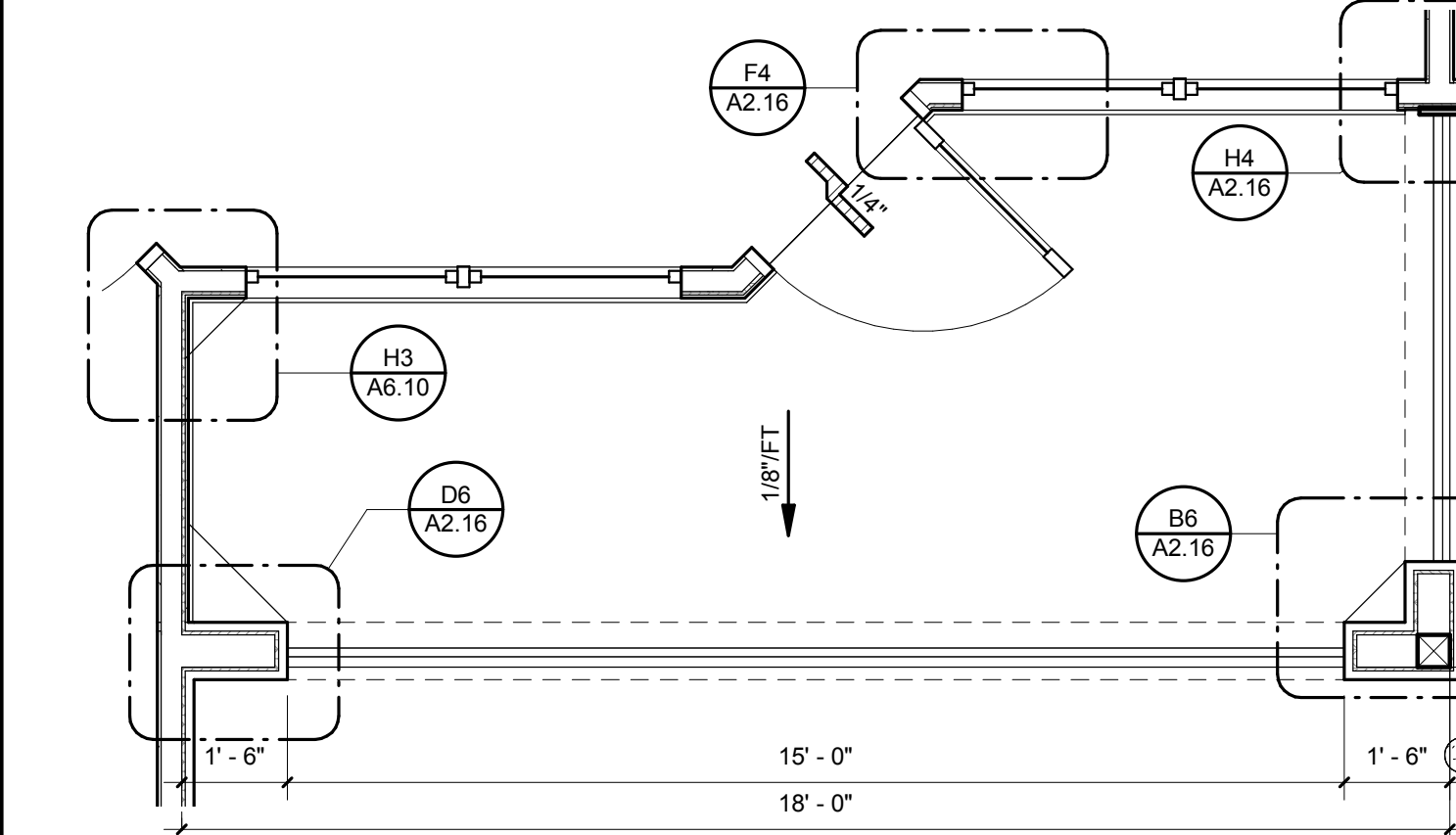
D8 BALCONY TYPE 2 - GROUND LEVEL
3/8" = 1'-0"



F8 BALCONY TYPE 1 - LEVELS 2 & 3
3/8" = 1'-0"



H8 BALCONY TYPE 1 - GROUND LEVEL
3/8" = 1'-0"



NOTES:

1. AT PILASTERS, APPLY SELF ADHERED MEMBRANE FLASHING TO SHEATHING AT INSIDE CORNER (OR JOINT) AND EXTEND 1'-0" FROM INSIDE CORNER (OR JOINT) IN BOTH DIRECTIONS.
2. WRAP PILASTERS WITH BUILDING WRAP AND BUILDING FELT AND EXTEND 2'-0" FROM INSIDE CORNER (OR JOINT)
3. APPLY OVERALL BUILDING WRAP AND BUILDING FELT UP TO PILASTER INSIDE CORNER (OR JOINT)

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

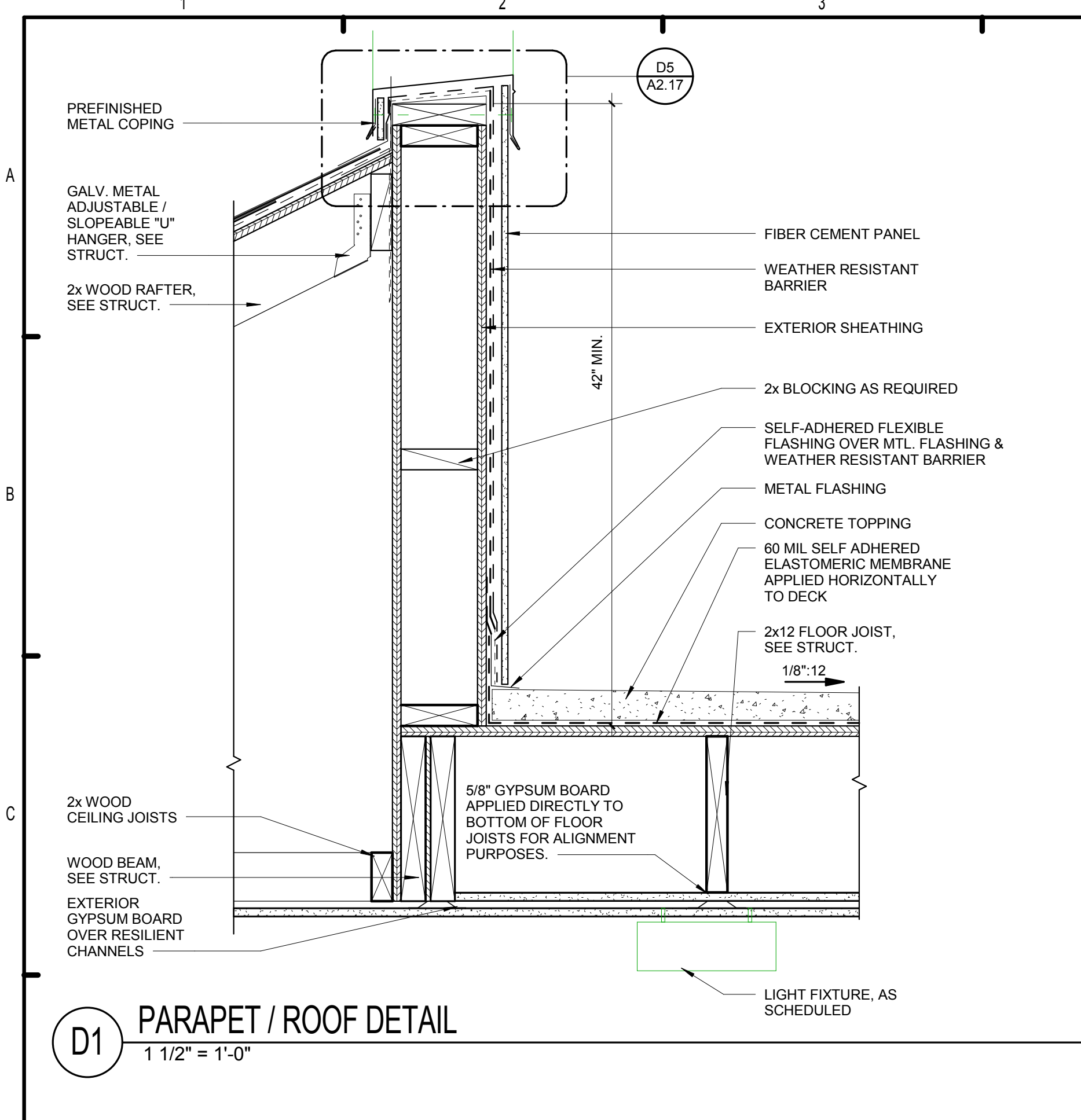
No.	Date	Description


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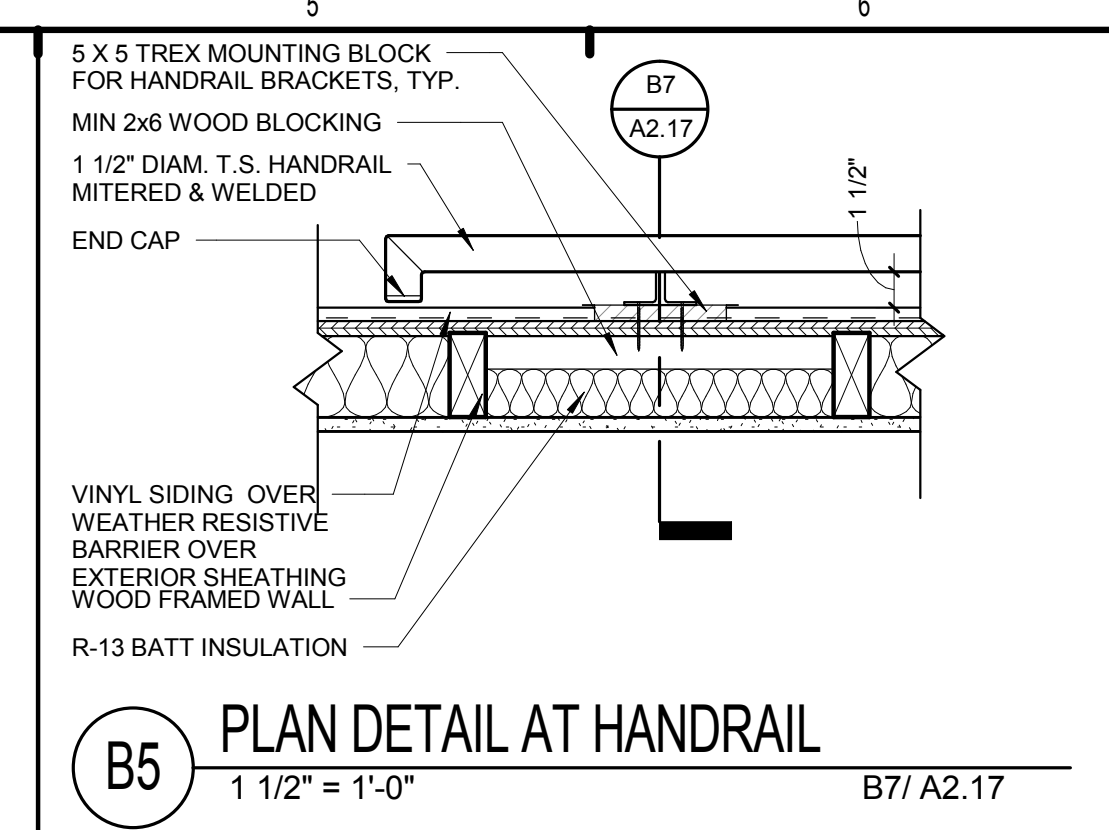
BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Date: 04/29/2013
 Project #: 5166.400

PATIO/BALCONY ENLARGED PLANS

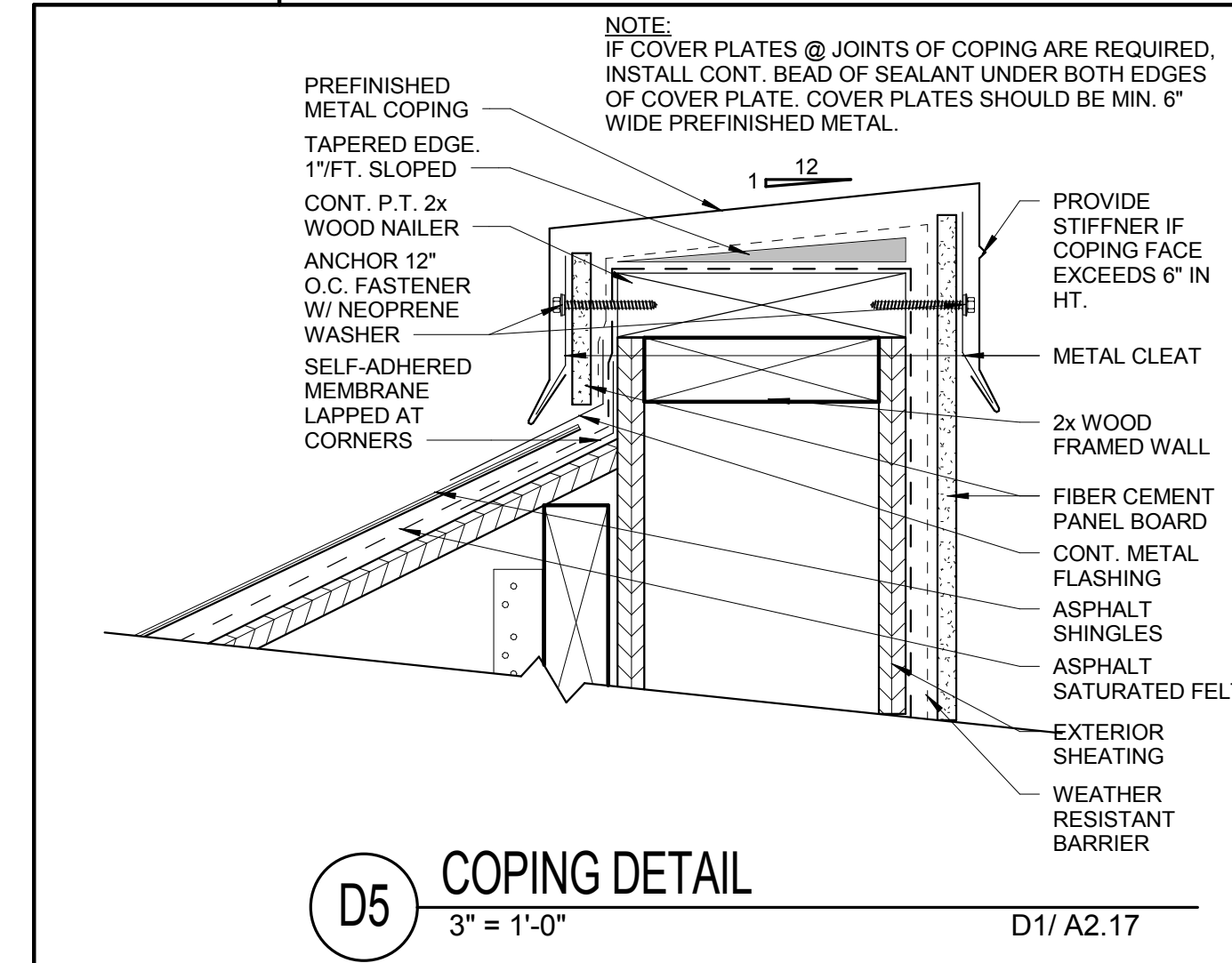
A2.16
 PATRICK D. FITCH
 LICENSE # 103195



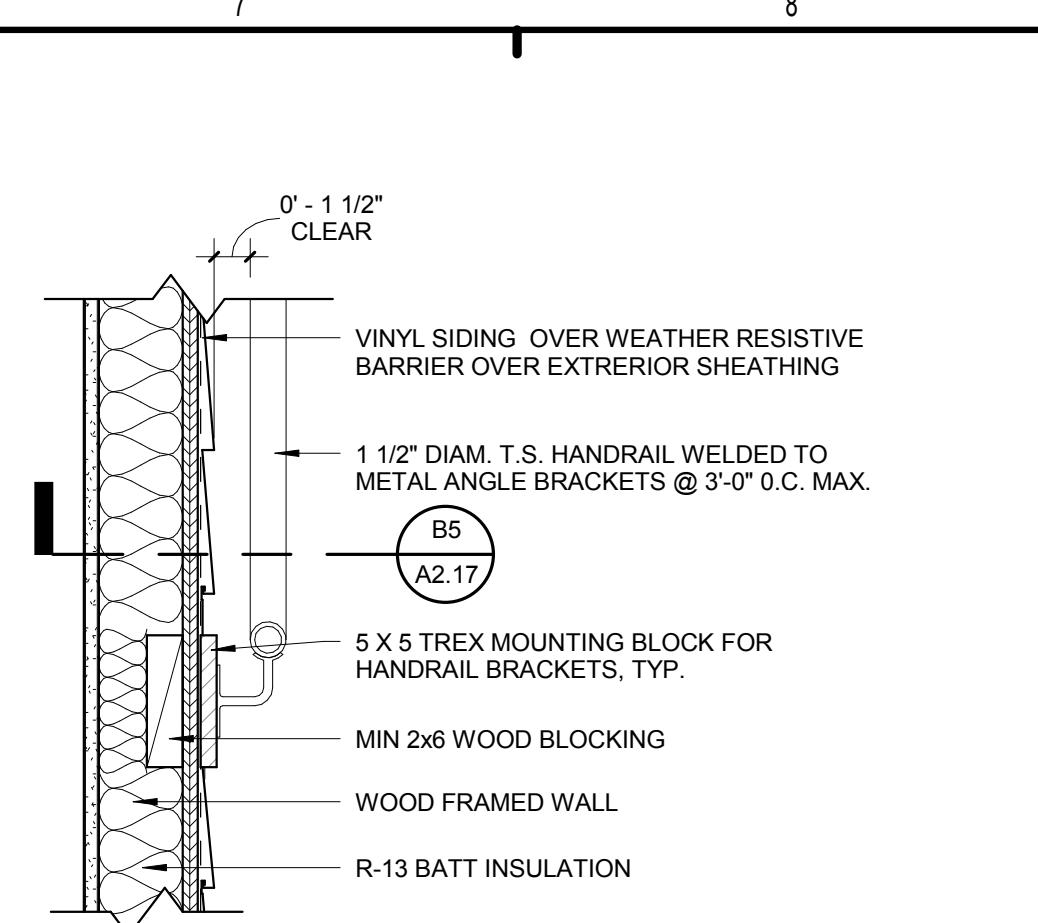
D1 PARAPET / ROOF DETAIL
1 1/2" = 1'-0"



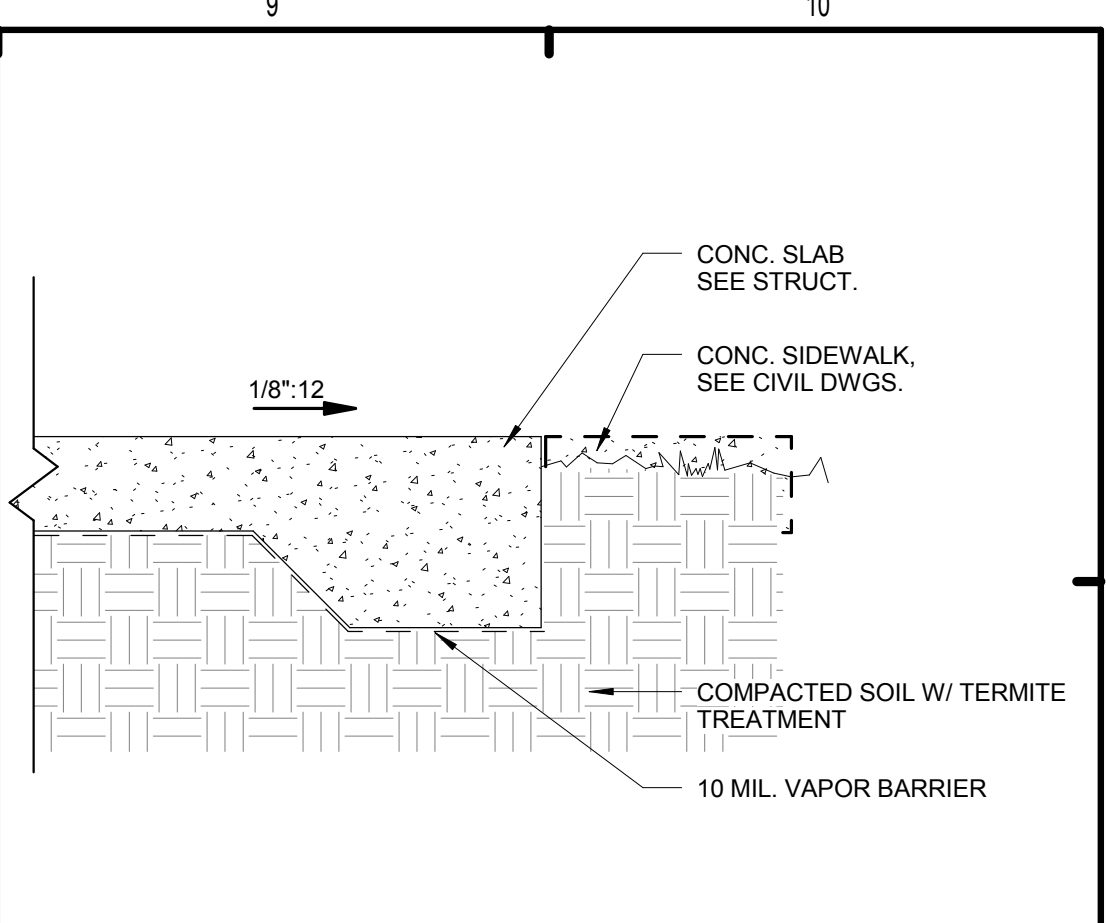
B5 PLAN DETAIL AT HANDRAIL
1 1/2" = 1'-0" B7/ A2.17



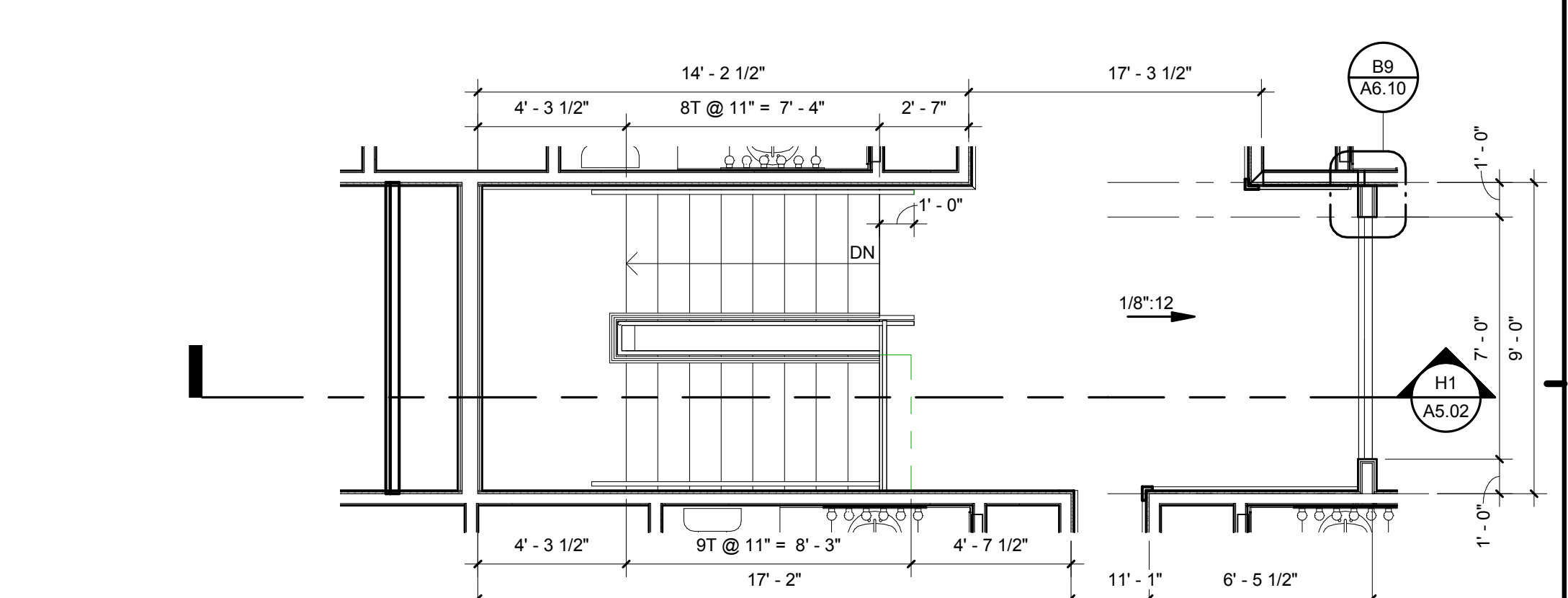
D5 COPING DETAIL
3" = 1'-0" D1/ A2.17



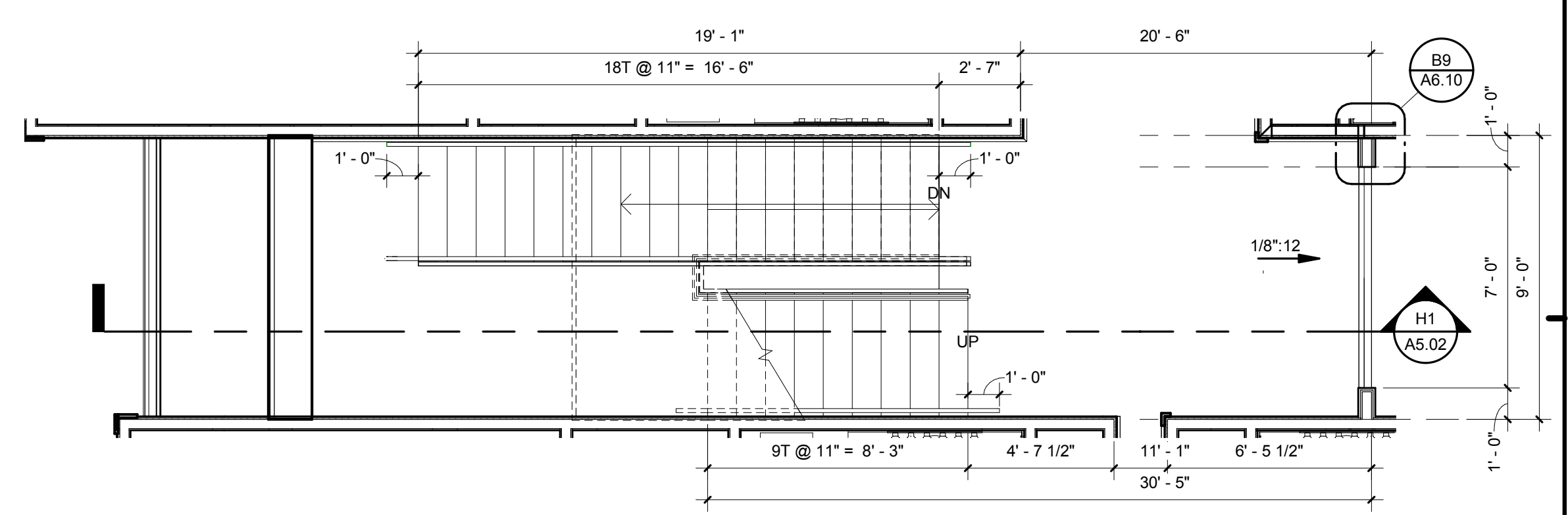
B7 SECTION AT HANDRAIL
1 1/2" = 1'-0" B5/ A2.17



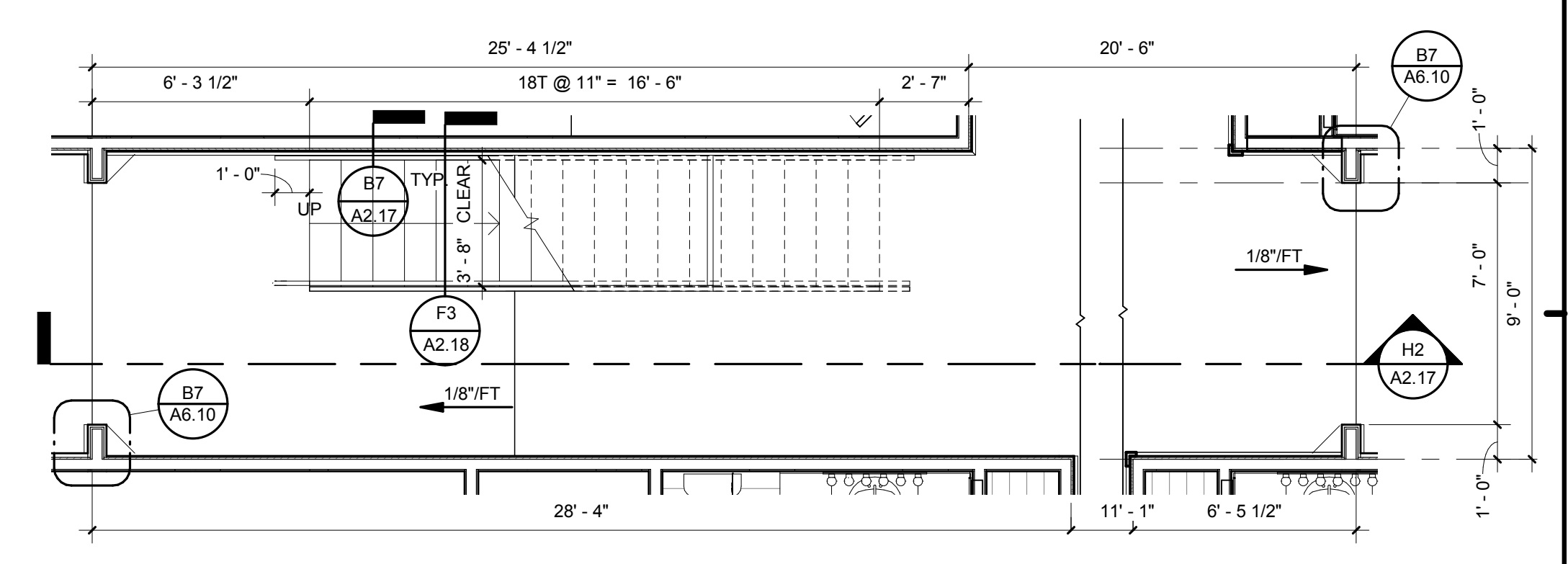
B9 CONC. SLAB DETAIL
1 1/2" = 1'-0" H2/ A2.17



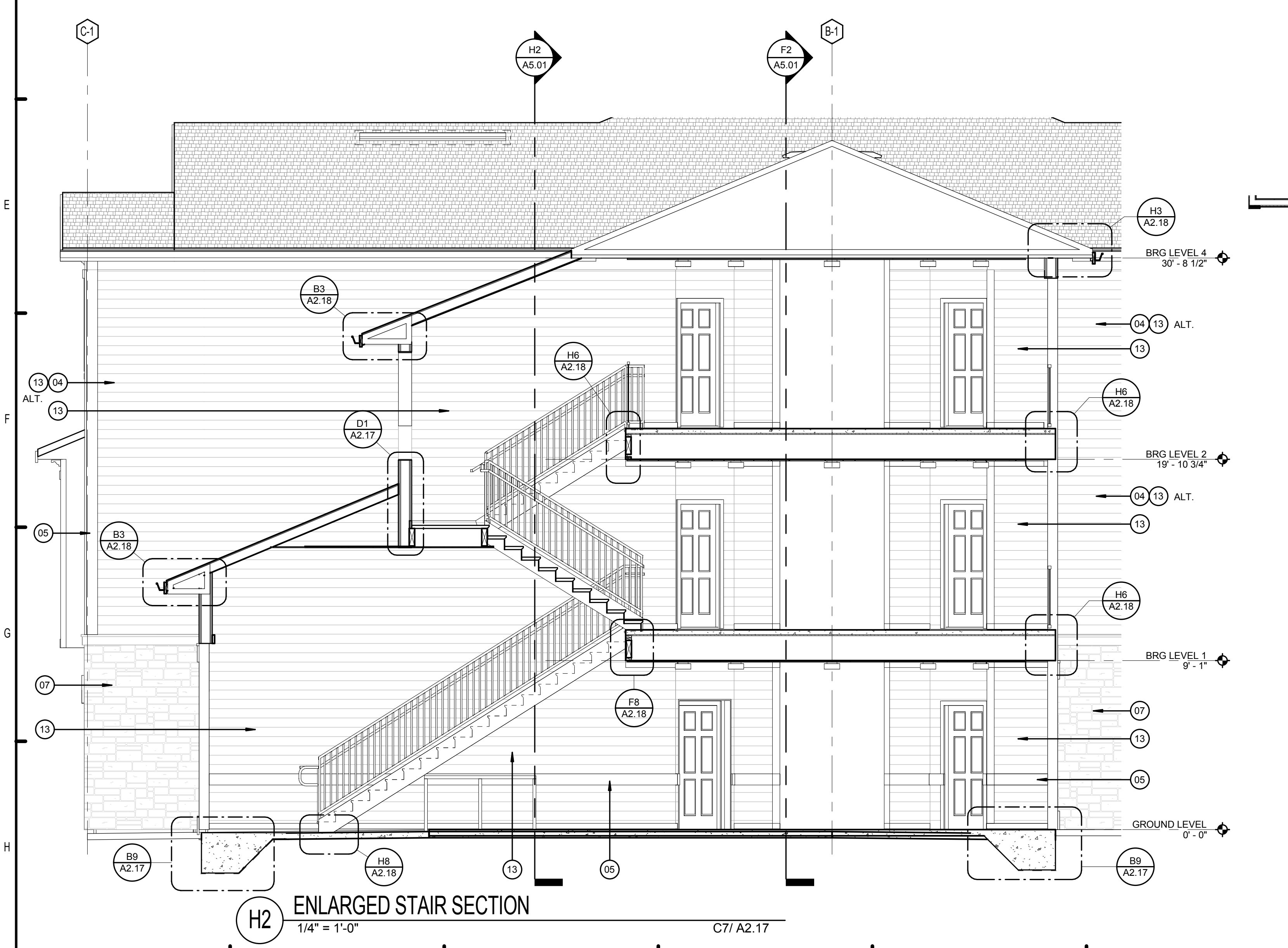
C7 ENLARGED STAIR PLAN - LEVEL 3
1/4" = 1'-0" H2/ A2.03



F7 ENLARGED STAIR PLAN - LEVEL 2
1/4" = 1'-0" H2/ A2.02



H7 ENLARGED STAIR PLAN - GROUND LEVEL
1/4" = 1'-0" H2/ A2.01



H2 ENLARGED STAIR SECTION
1/4" = 1'-0" C7/ A2.17

LEGEND:

- 01. ASPHALT ROOF SHINGLES - RE. SPECS
- 02. VINYL SHINGLE PATTERN SIDING
- 03. OFF RIDGE VENT. PAINT TO MATCH ROOF
- 04. FIBER CEMENT LAP SIDING - RE. SPECS
- 05. FIBER CEMENT TRIM
- 06. VINYL WINDOWS
- 07. CAST STONE VENEER - RE. SPECS
- 08. ALUMINUM RAILING - RE. SPECS
- 09. LIGHTED BUILDING NUMBER SIGN
- 10. BRACKET - BASIS OF DESIGN CHEMCREST WB1100
- 11. METER BANK LOCATION (REFER TO ARCH. SITE PLAN FOR LOCATION ON BLDG TYPE 1)
- 12. DRYER / EXHAUST FAN VENT
- 13. VINYL SIDING (ALT.), RE. SPECS.
- 14. FIBER CEMENT SHINGLE SIDING.

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

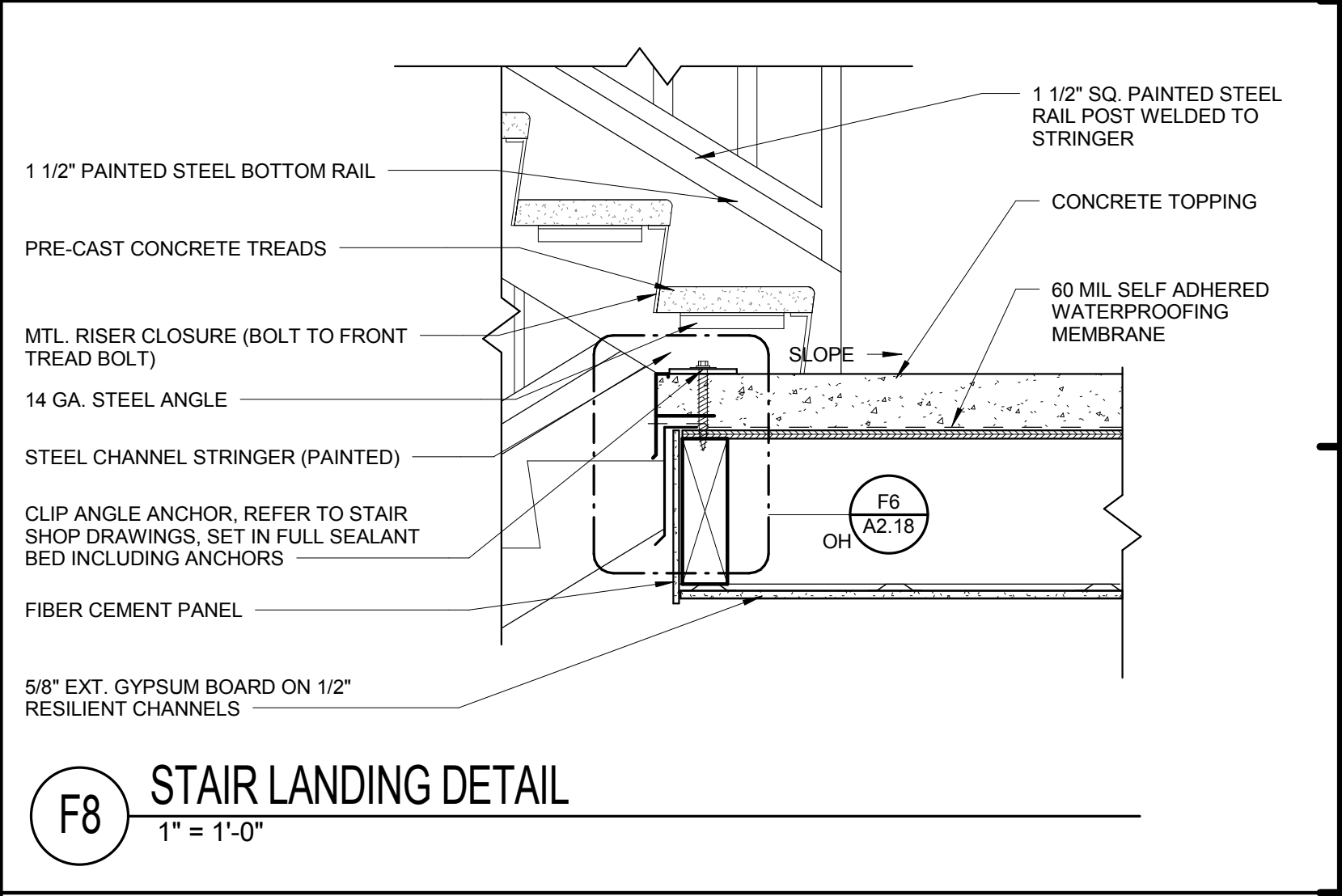
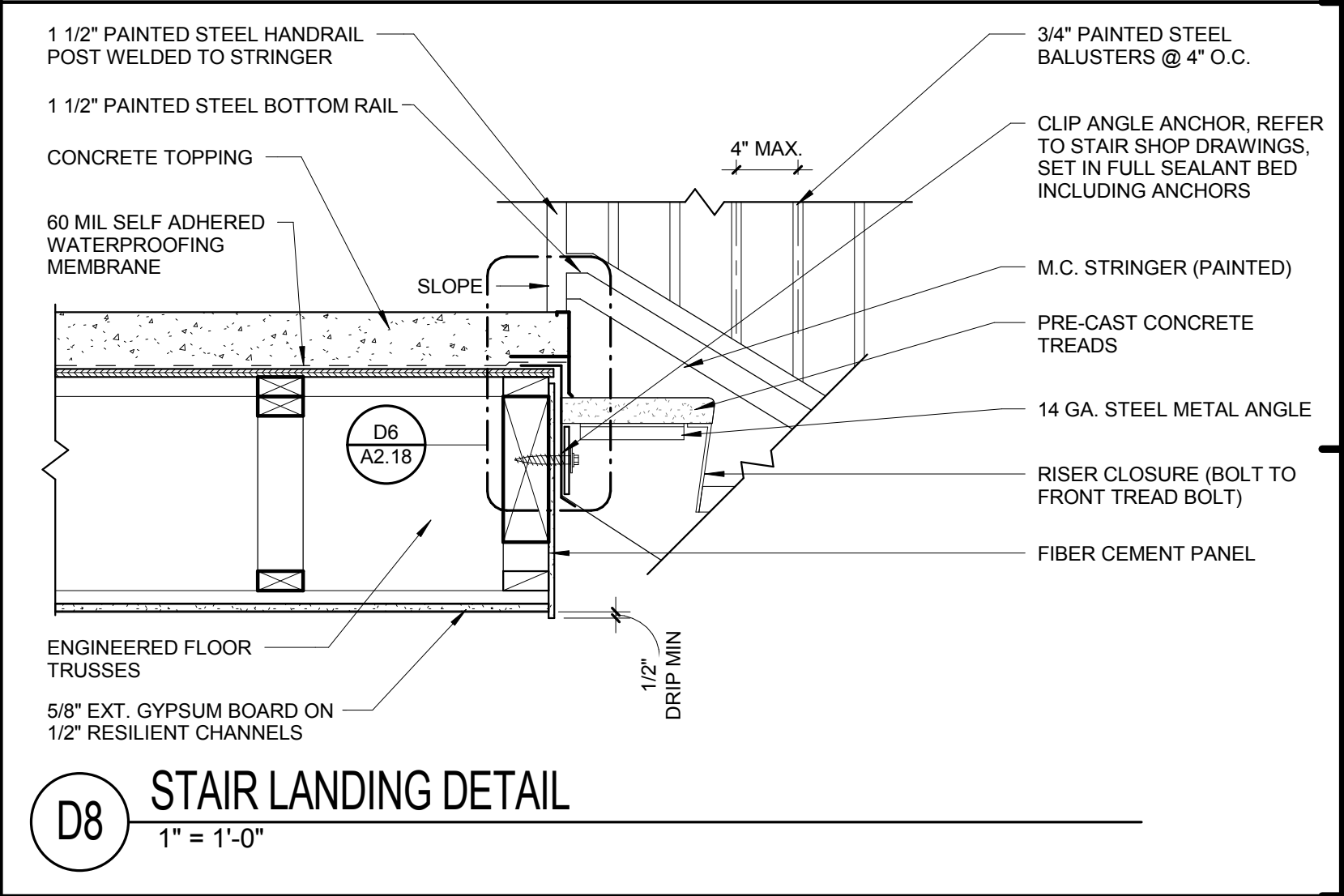
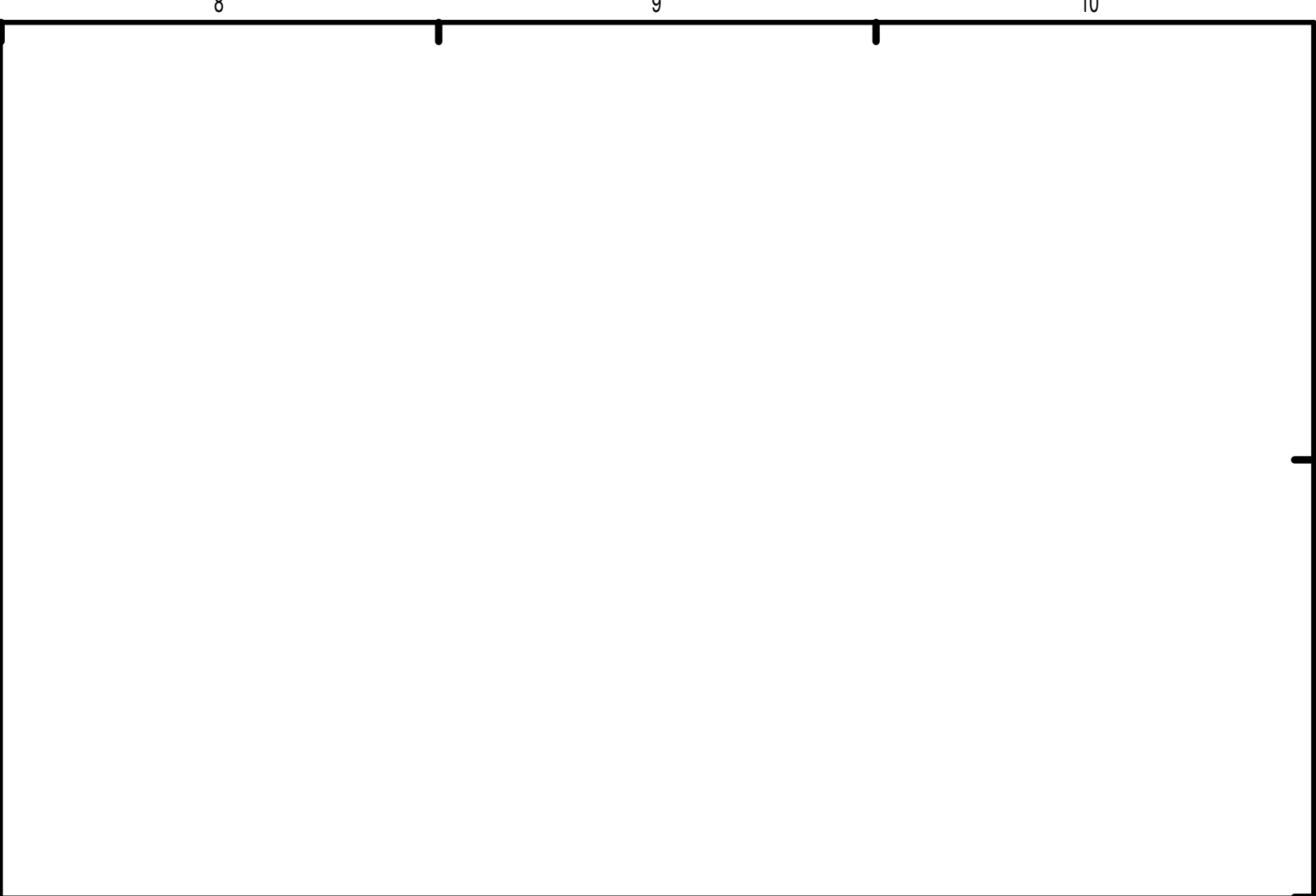
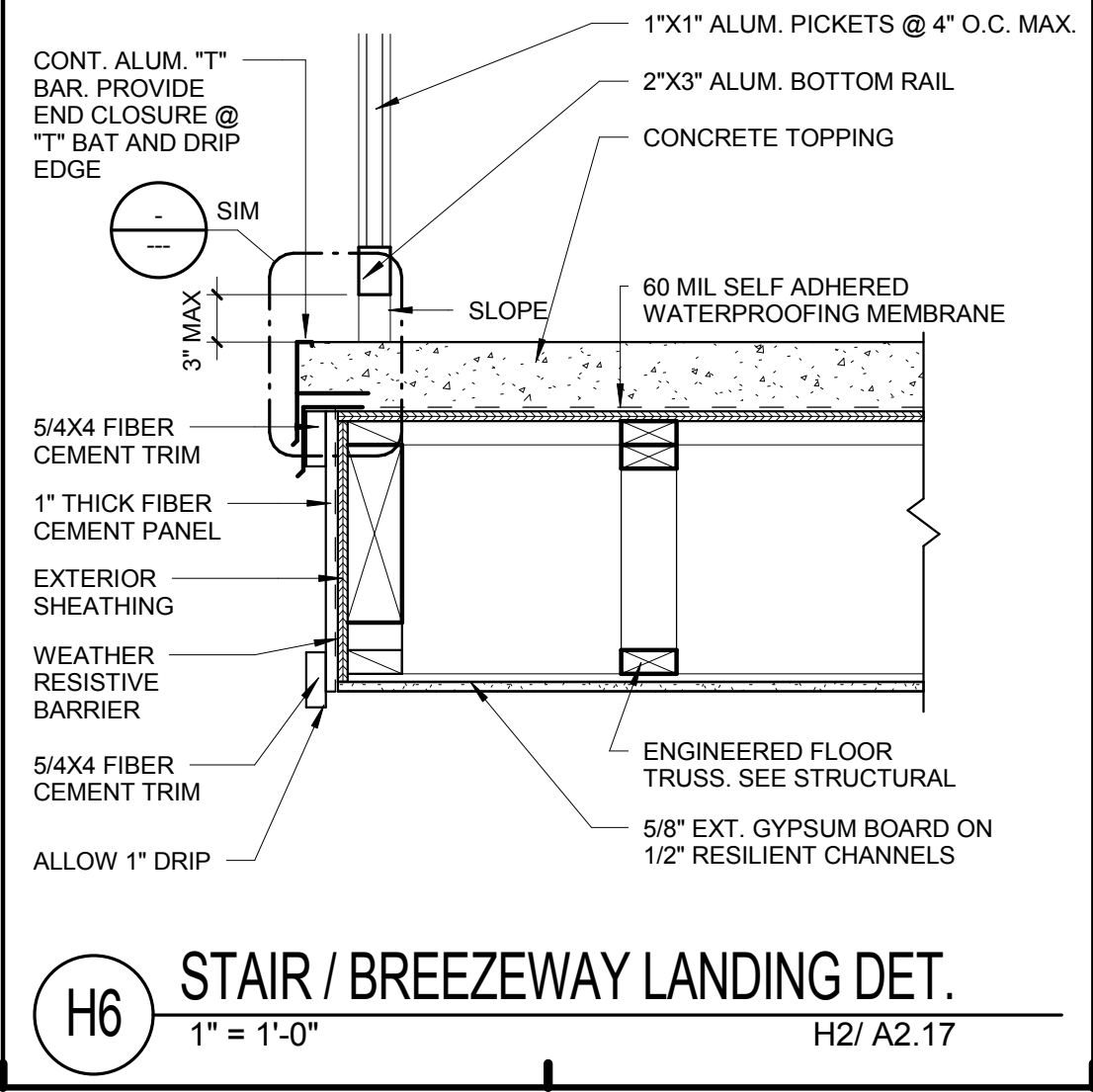
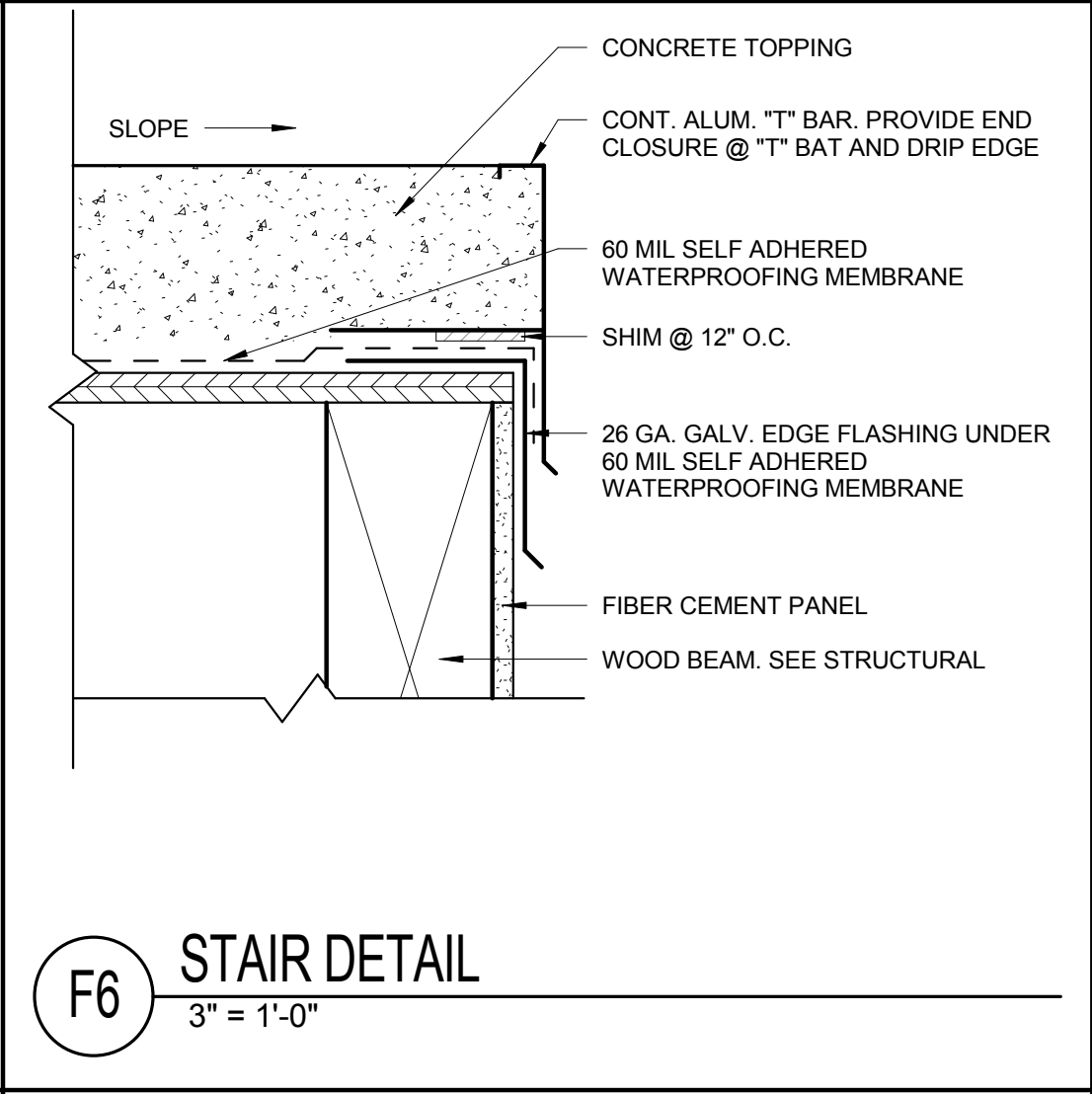
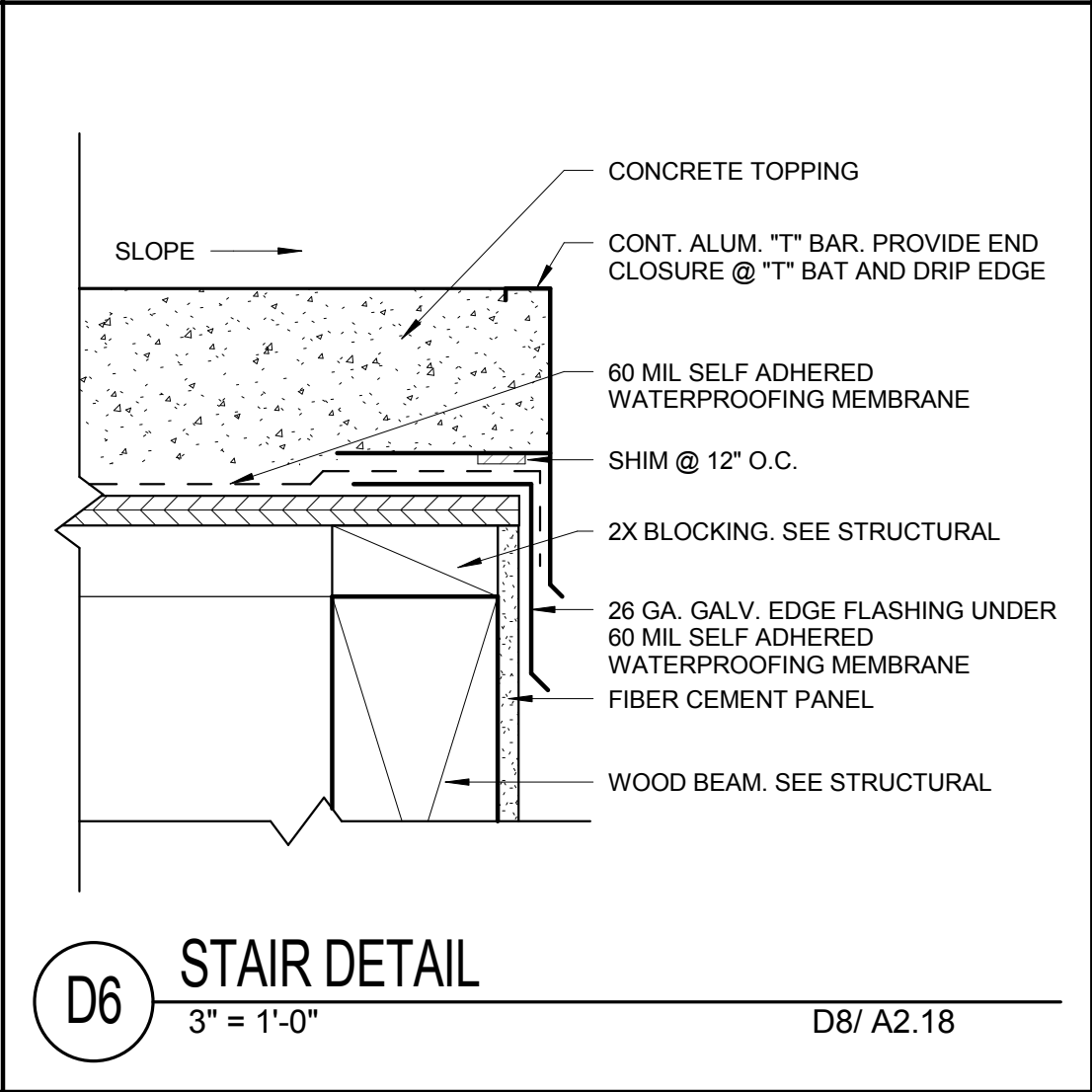
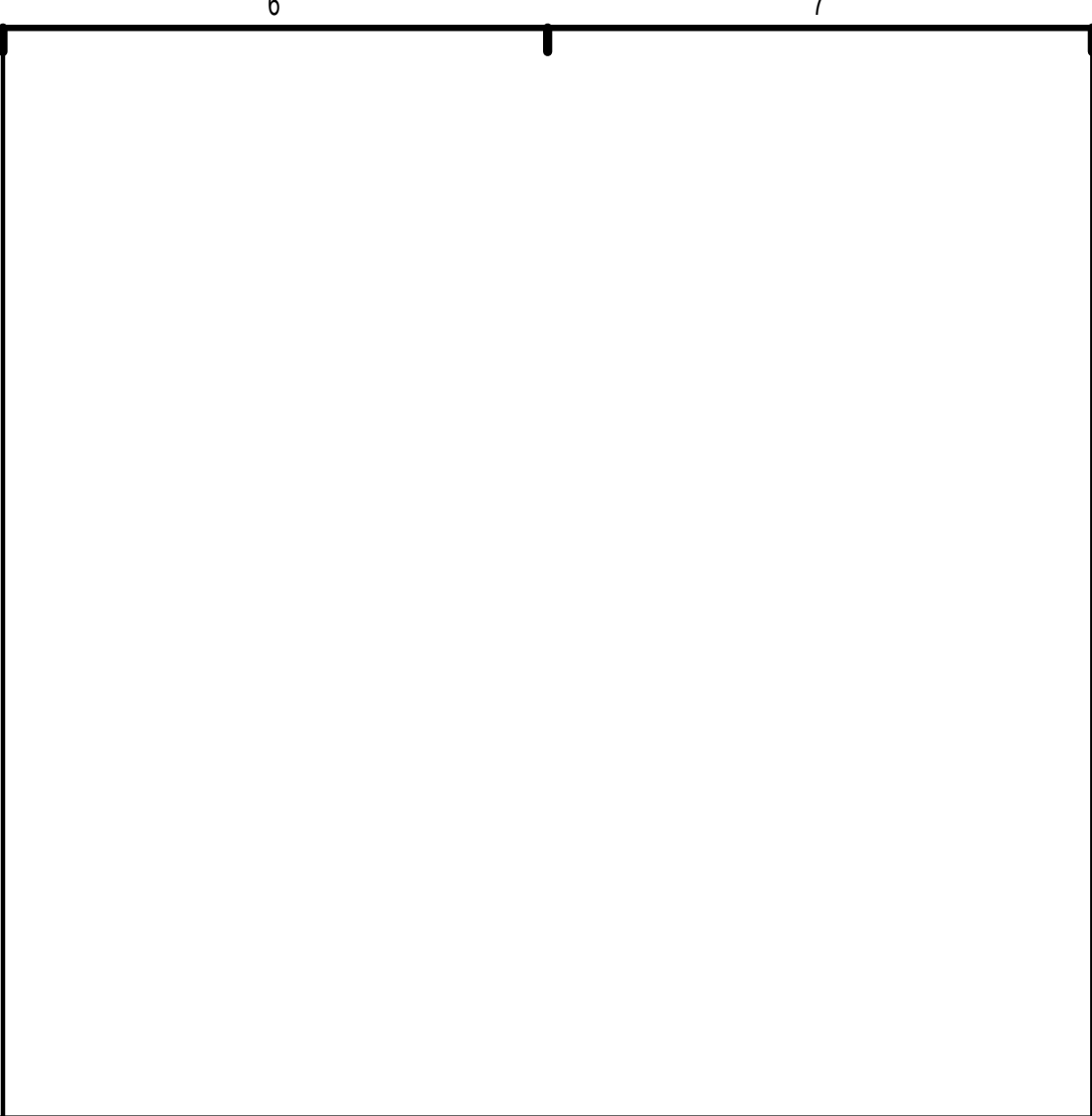
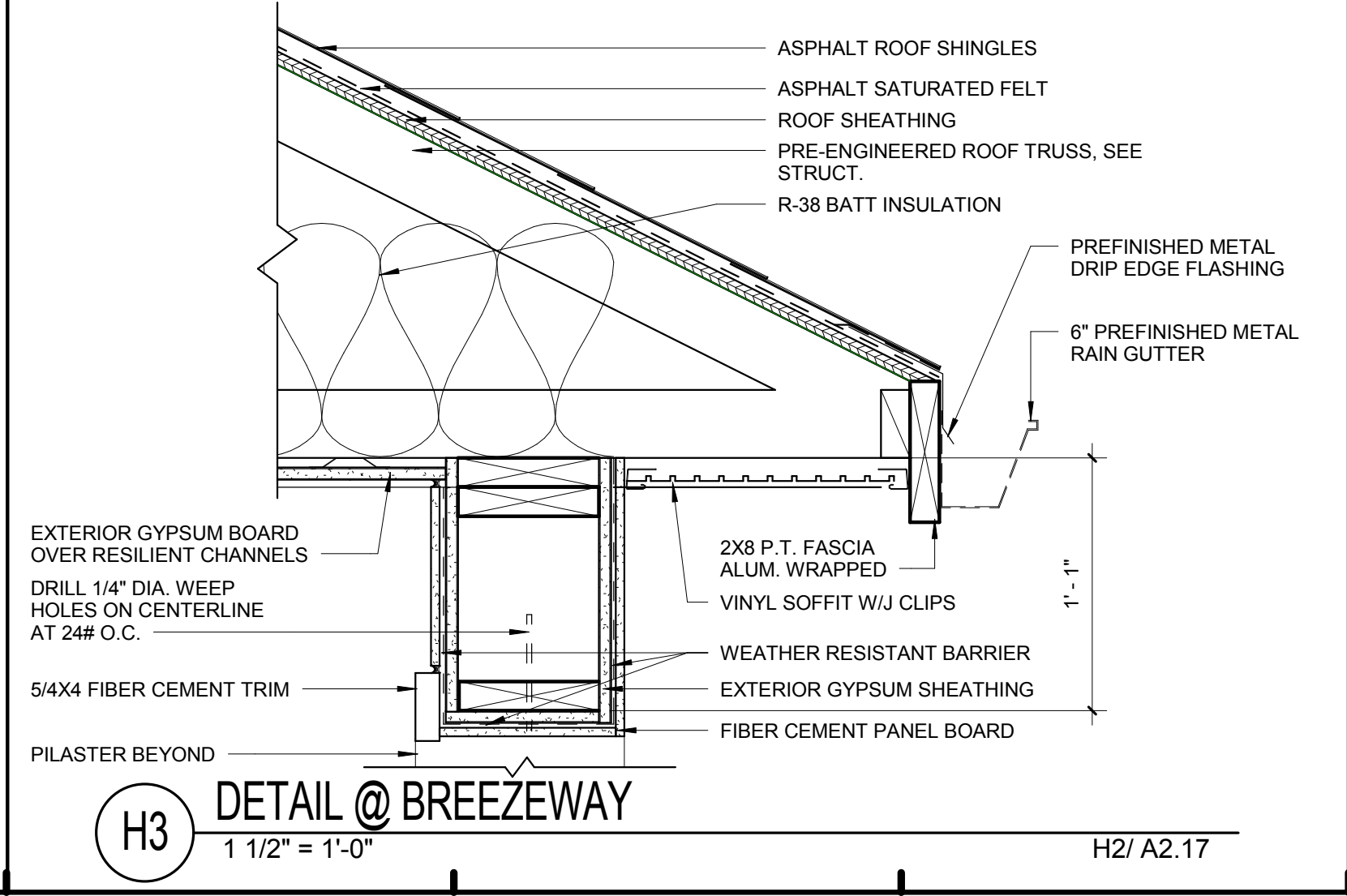
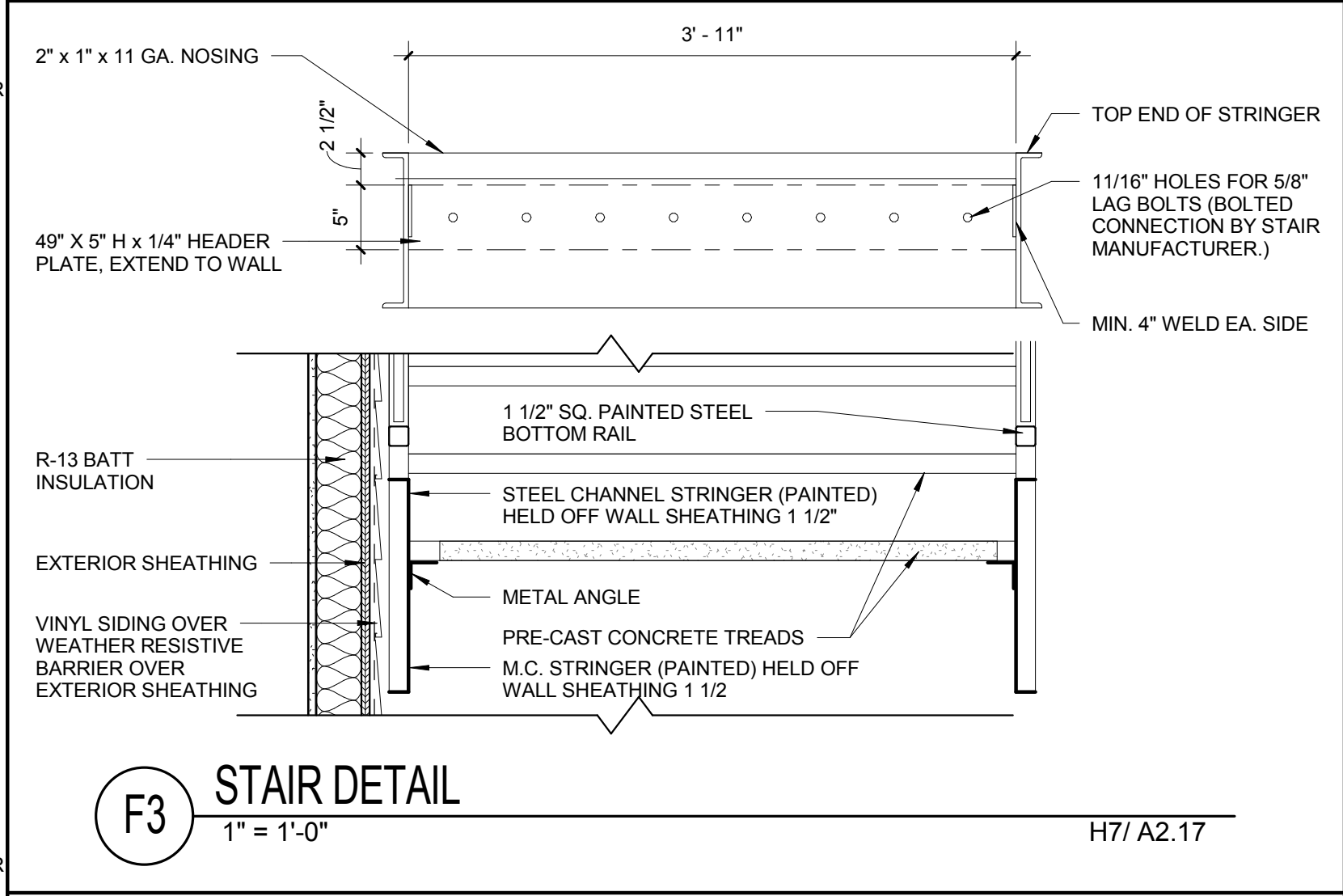
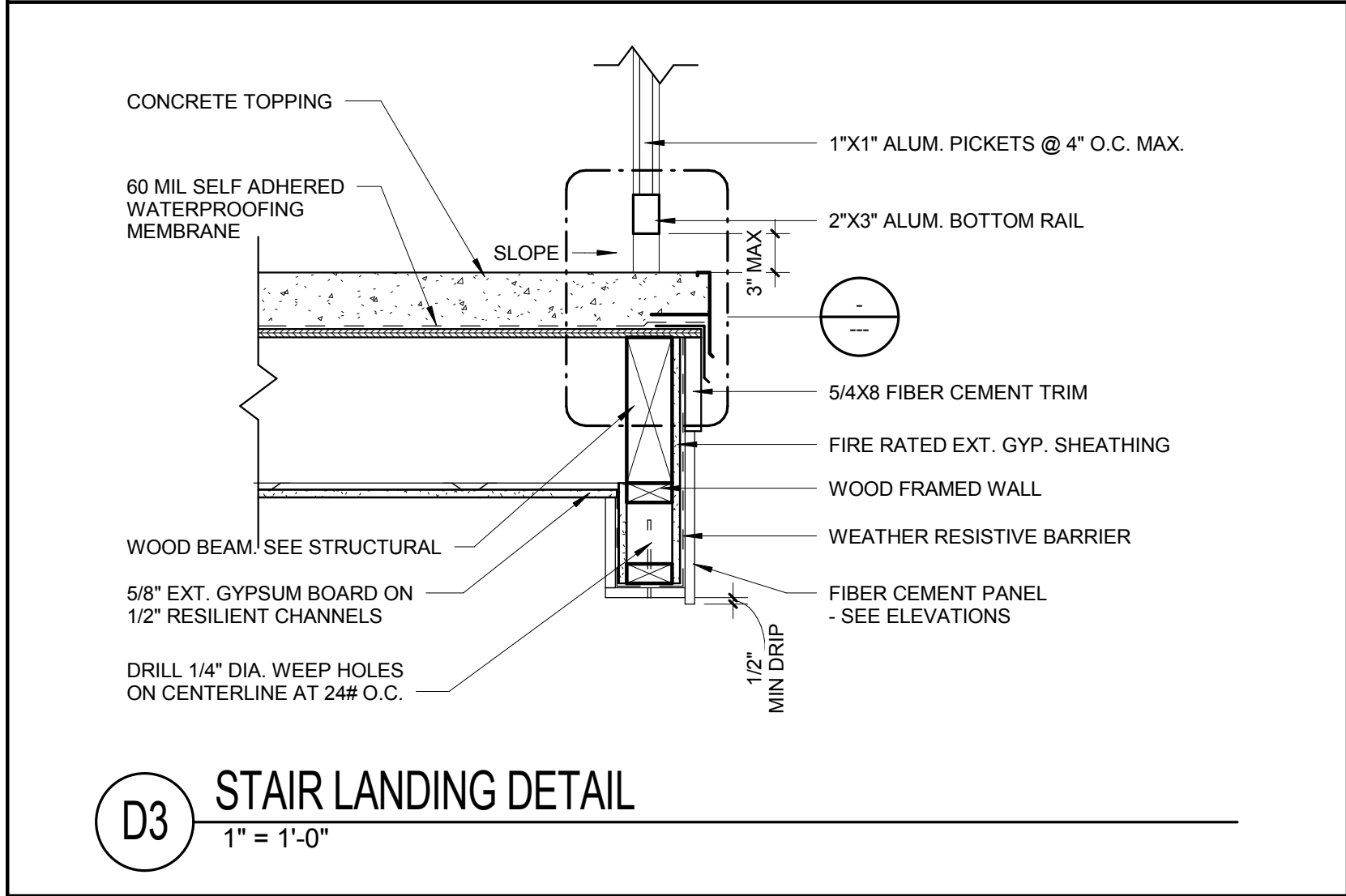
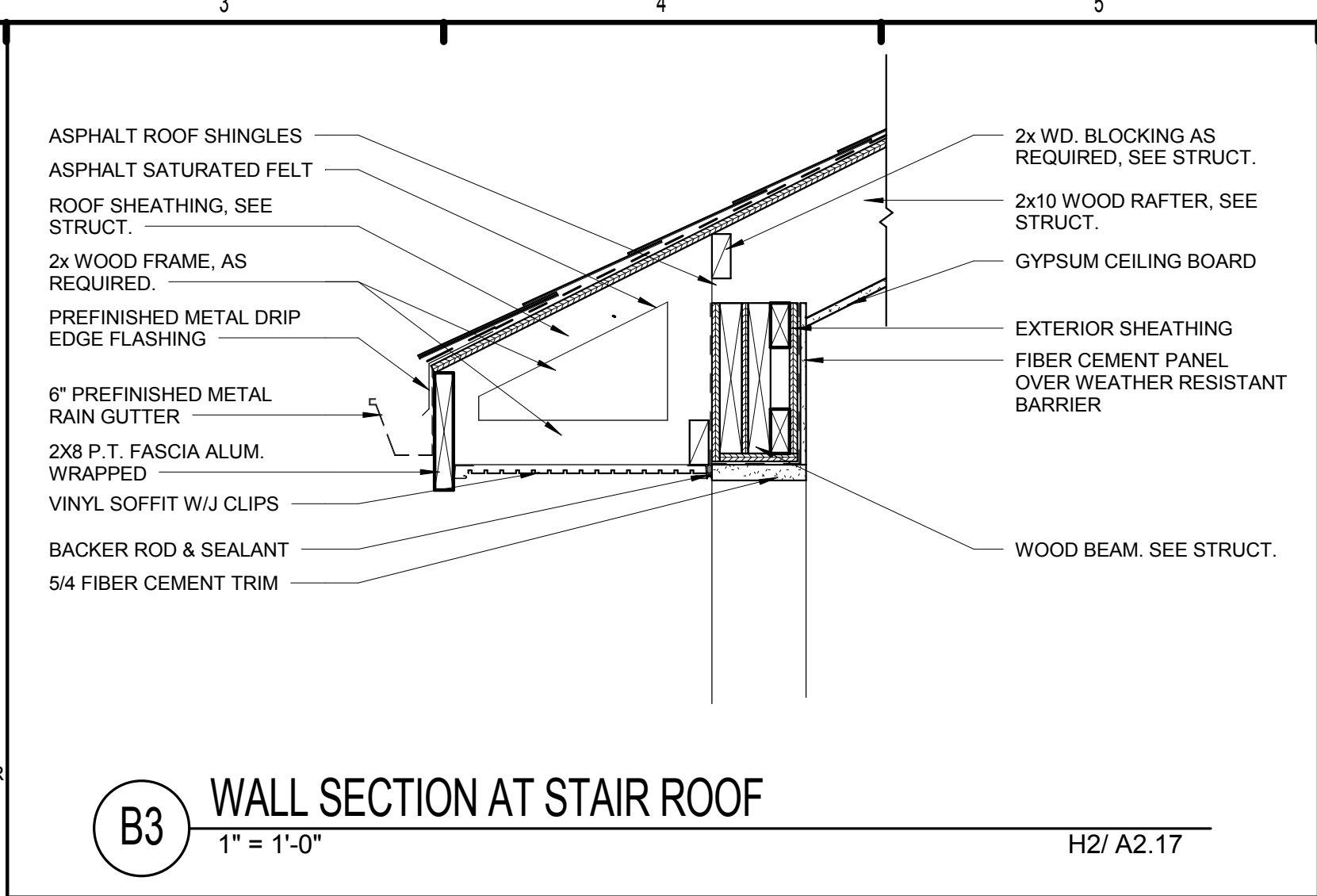
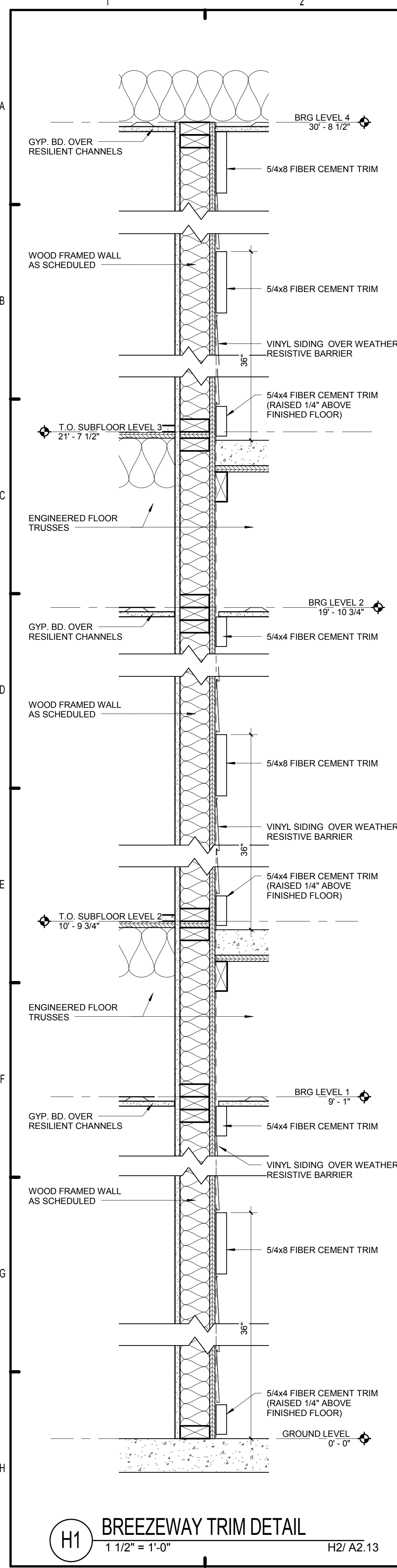
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

STAIR PLANS AND DETAILS
A2.17

PATRICK D. FITCH
LICENSE # 103195



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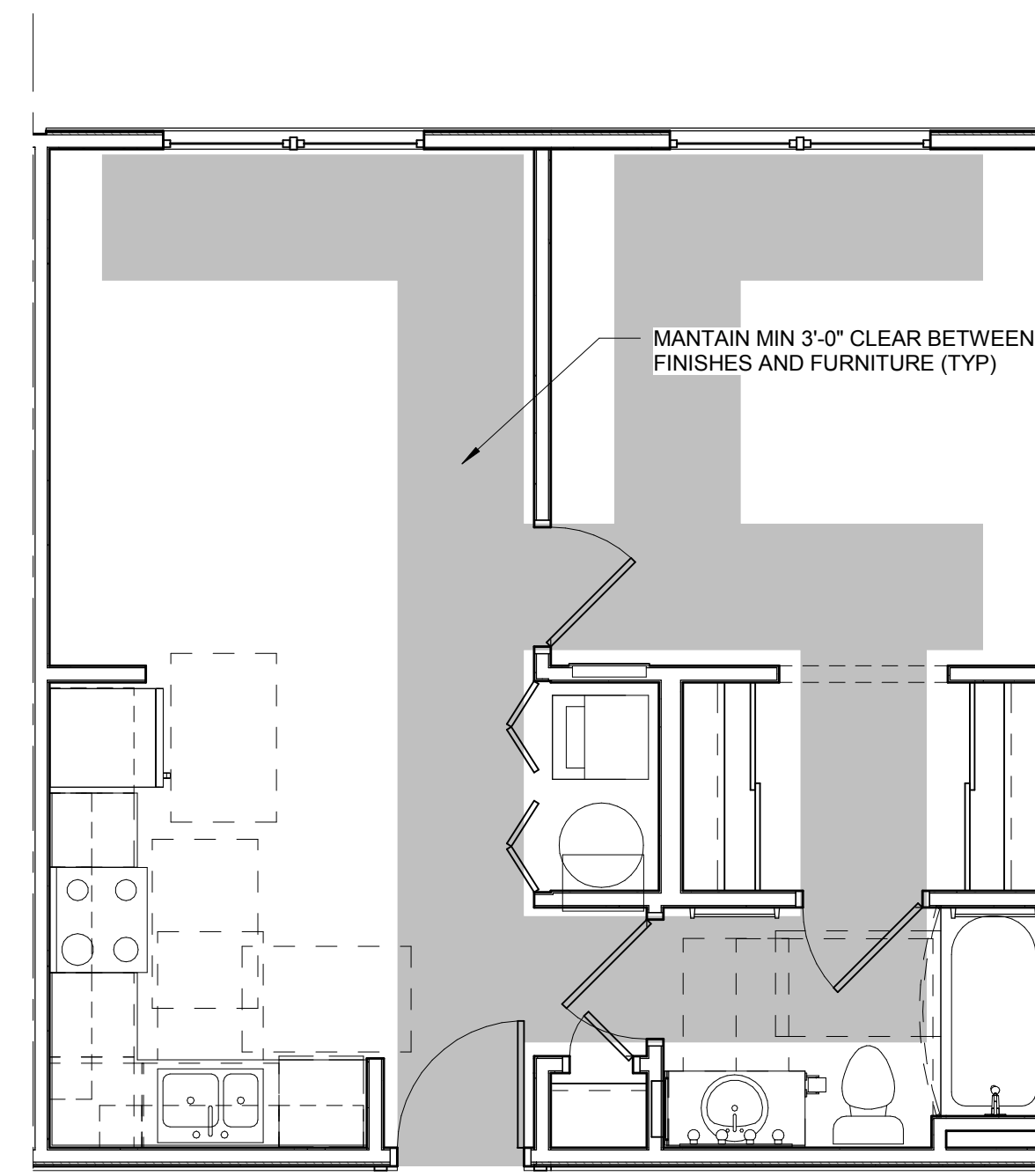
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

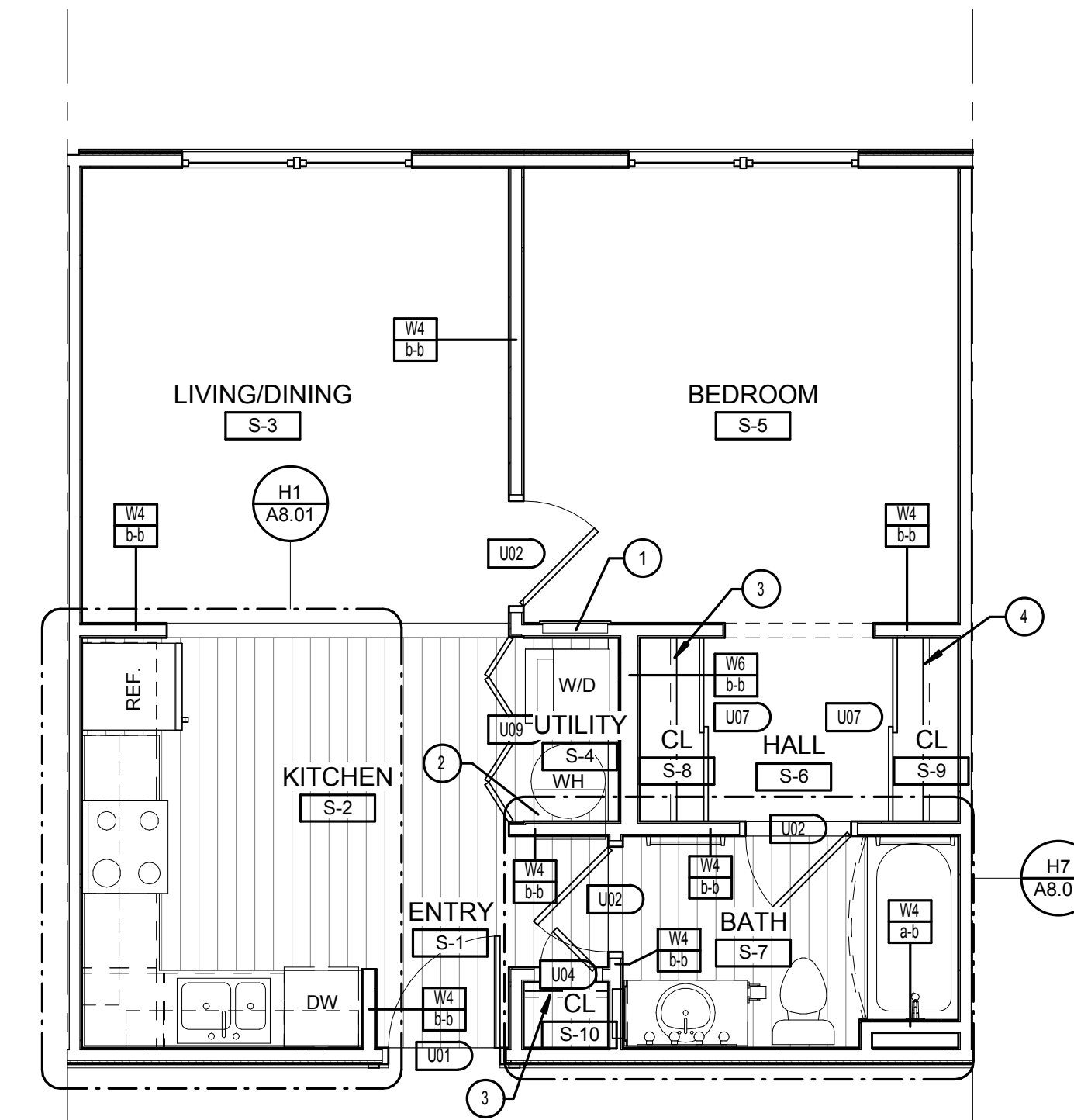
STAIR DETAILS

A2.18

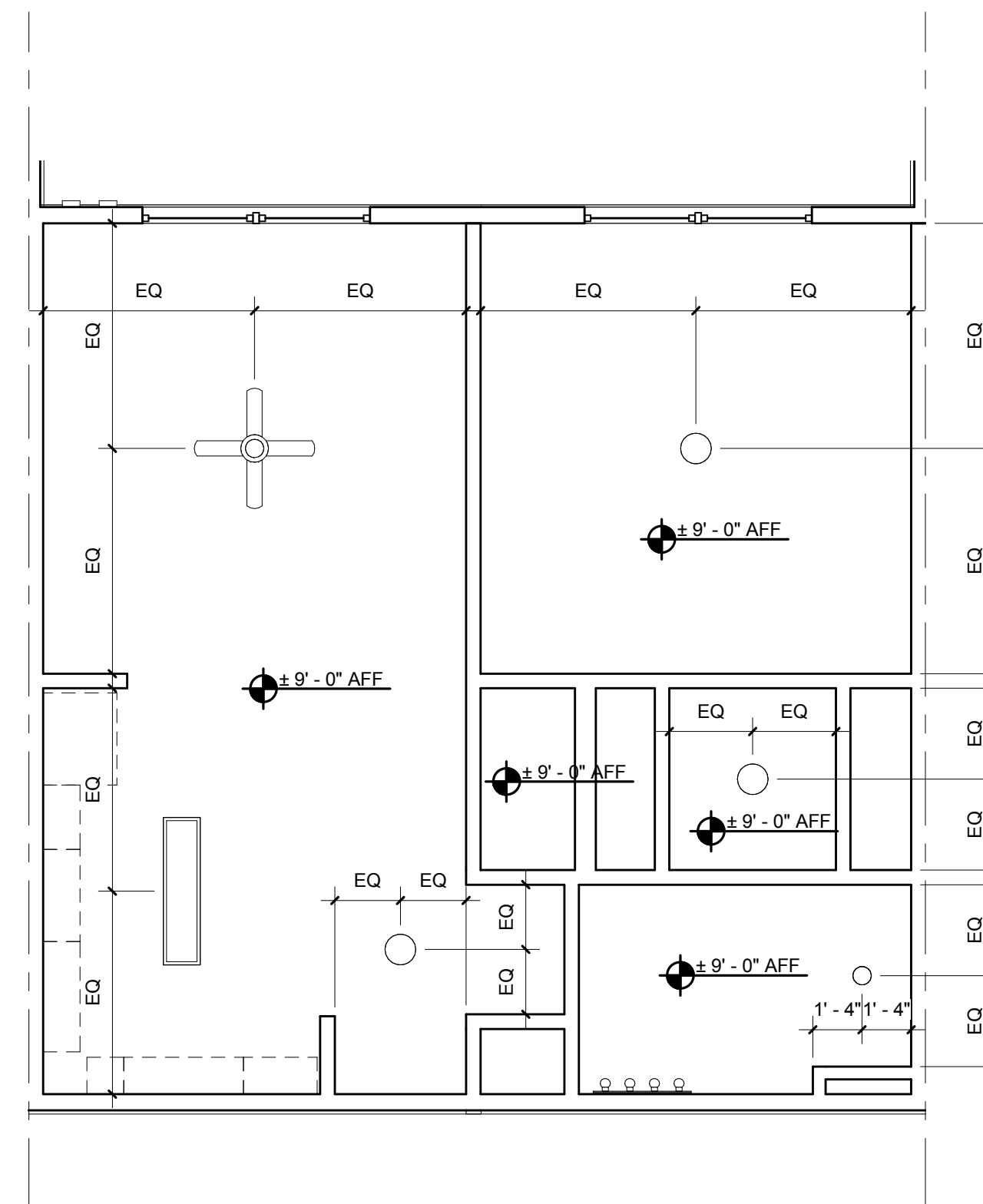
PATRICK D. FITCH
LICENSE # 103195



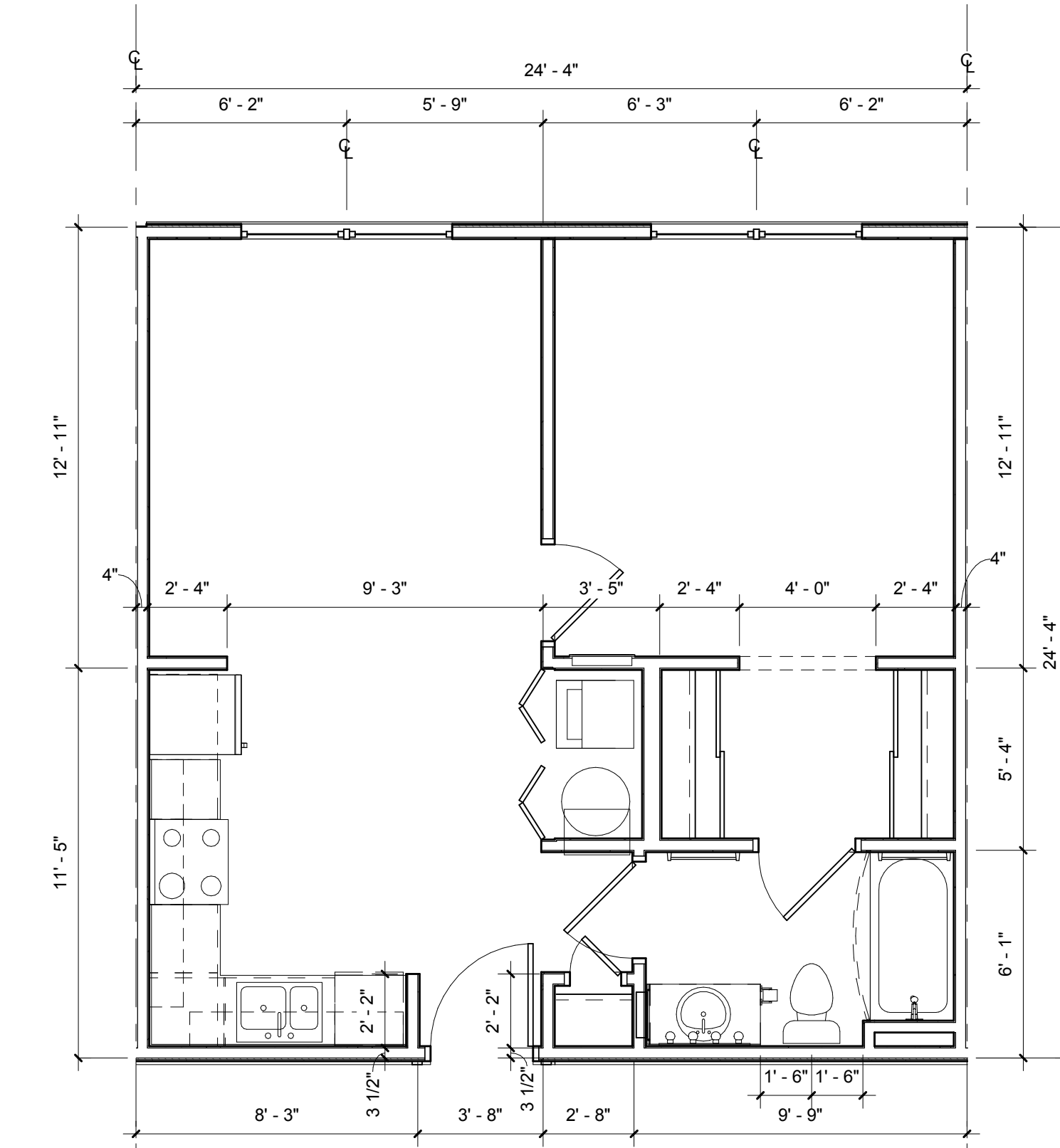
D5 UNIT S1 - ACCESSIBLE ROUTE PLAN
1/4" = 1'-0"



D8 UNIT S1 - REFERENCE PLAN
1/4" = 1'-0"



H5 UNIT S1 - REFLECTED CEILING PLAN
1/4" = 1'-0"



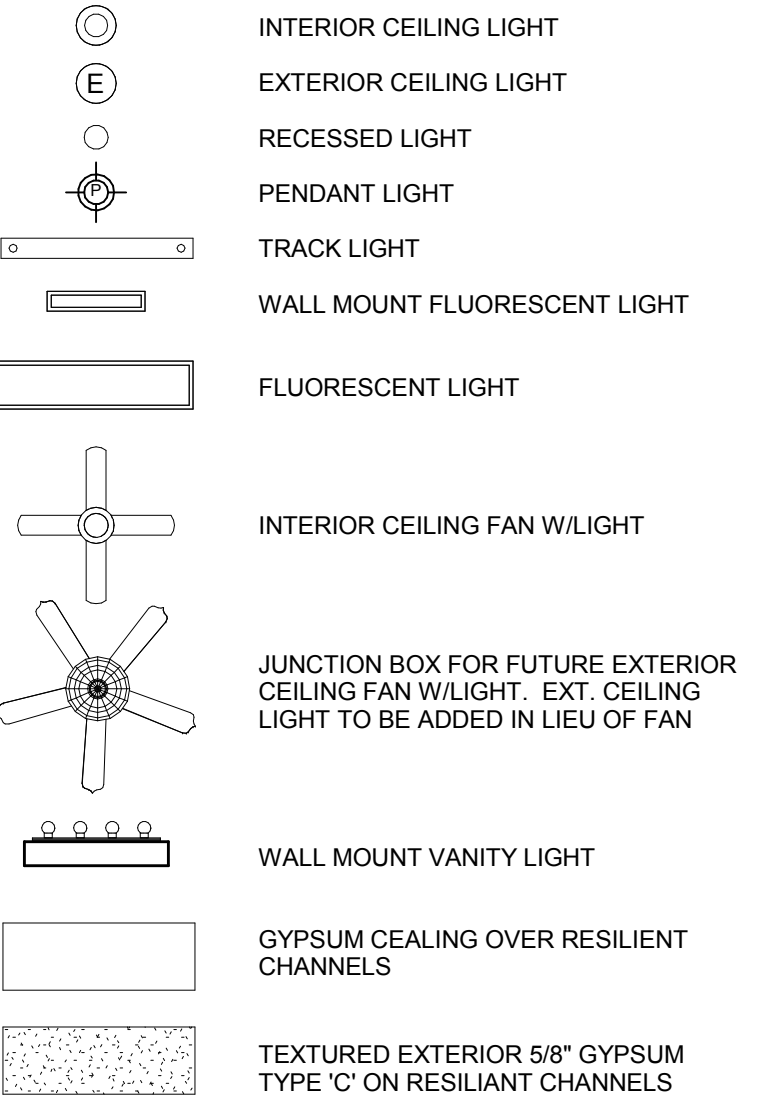
H8 UNIT S1 - DIMENSION PLAN
1/4" = 1'-0"

NOTES:

- A) 100% OF ALL GROUND UNITS SHALL MEET FAIR HOUSING REQUIREMENTS. ALL OPENINGS IN THESE UNITS SHALL BE MINIMUM 32" CLEAR
- B) PROVIDE ONE 3A-40-B-C (5 lb) FIRE EXTINGUISHER PER APARTMENT. LOCATE PER FIRE DEPARTMENT REQUIREMENTS
- C) PROVIDE LEVER HARDWARE AT ALL GROUND FLOOR UNITS PER FAIR HOUSING REQUIREMENTS
- D) REFER TO BLDG. PLANS FOR EXTERIOR WALL TYPES

LEGEND: (XX)

- 1. ELECTRICAL PANEL. REFER TO ELECTRICAL DWGS.
- 2. HVAC UNIT. SEE MECHANICAL DWGS.
- 3. WIRE SHELF & POLE @ 6'-0" AFF
- 4. WIRE SHELF @ 3'-0" AFF & 6'-0" AFF
- 5. WIRE SHELF @ 3'-0", 5'-0" & 6'-0" AFF
- 6. SHELF ABOVE W/D @ 5'-6" AFF
- 7. WIRE SHELF & POLE @ 4'-6" AFF
- 8. 18" LAMINATED COUNTERTOP AT 32" AFF
- 9. INSULATED BULKHEAD FOR FIRE PROTECTION PIPING - COORDINATE REQUIREMENTS WITH ENGINEERED FIRE PROTECTION SHOP DRAWINGS
- 10. TEMPERED GLASS



ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

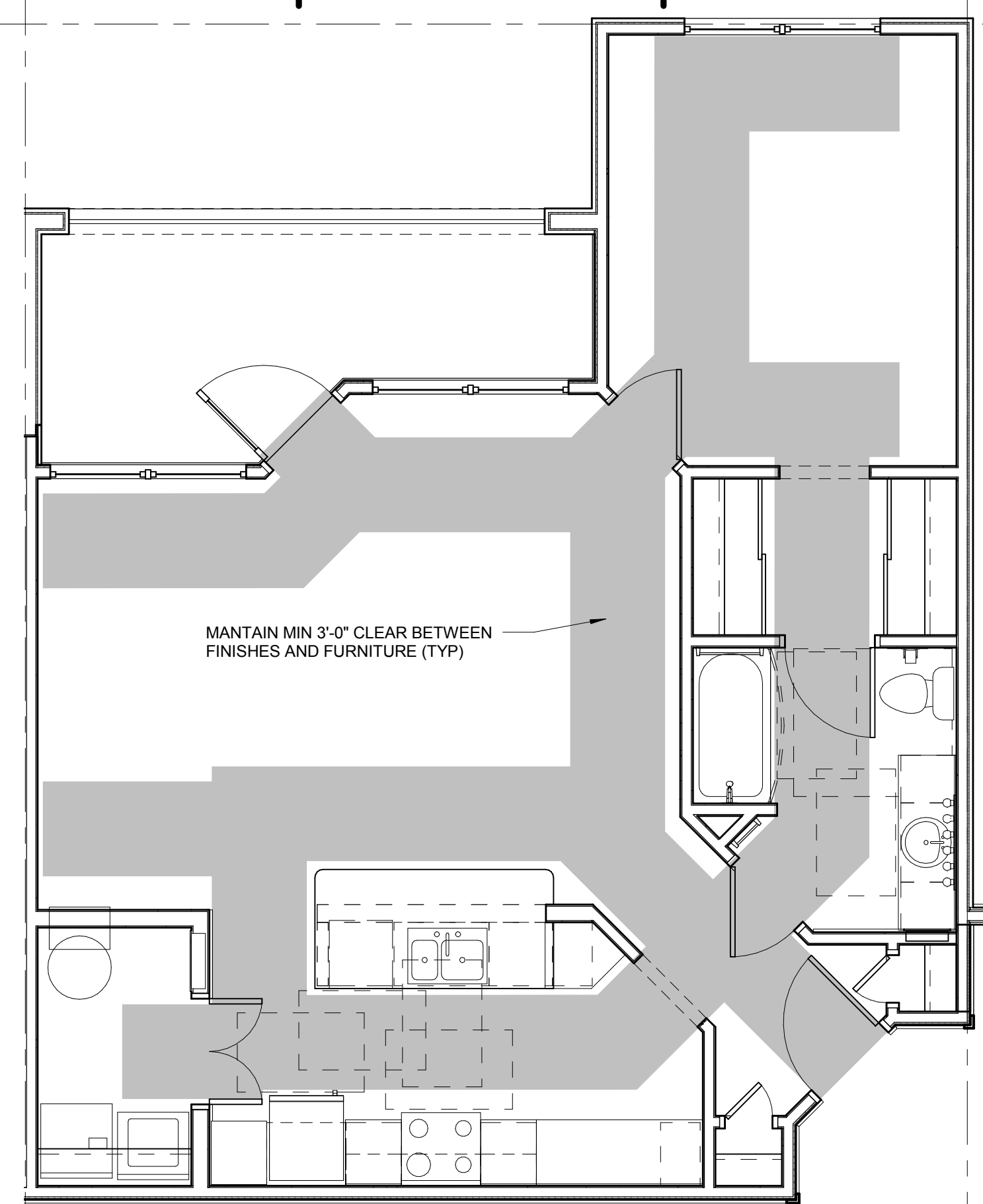
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No.	Date	Description

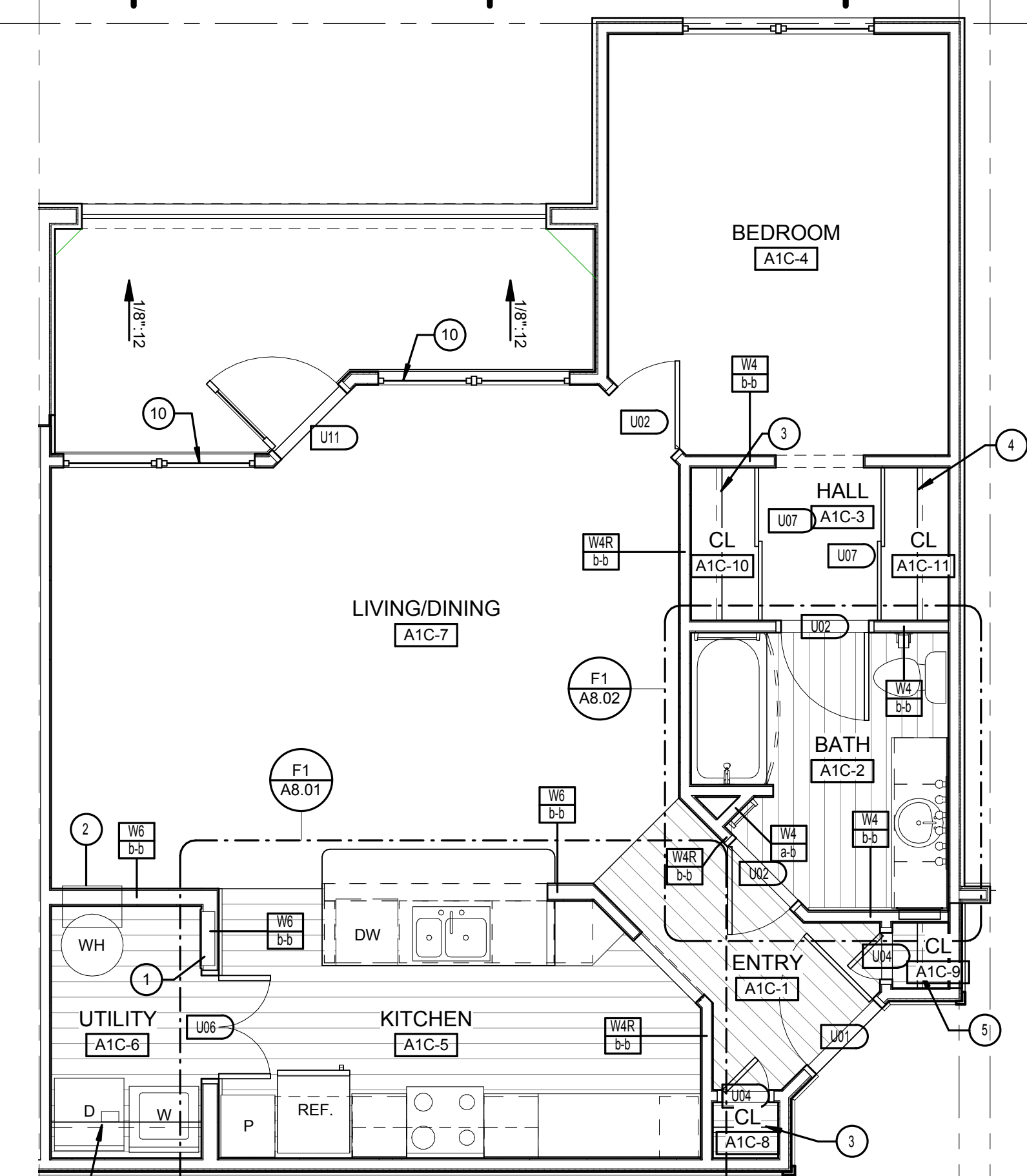

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BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
UNIT TYPE S1
A3.01

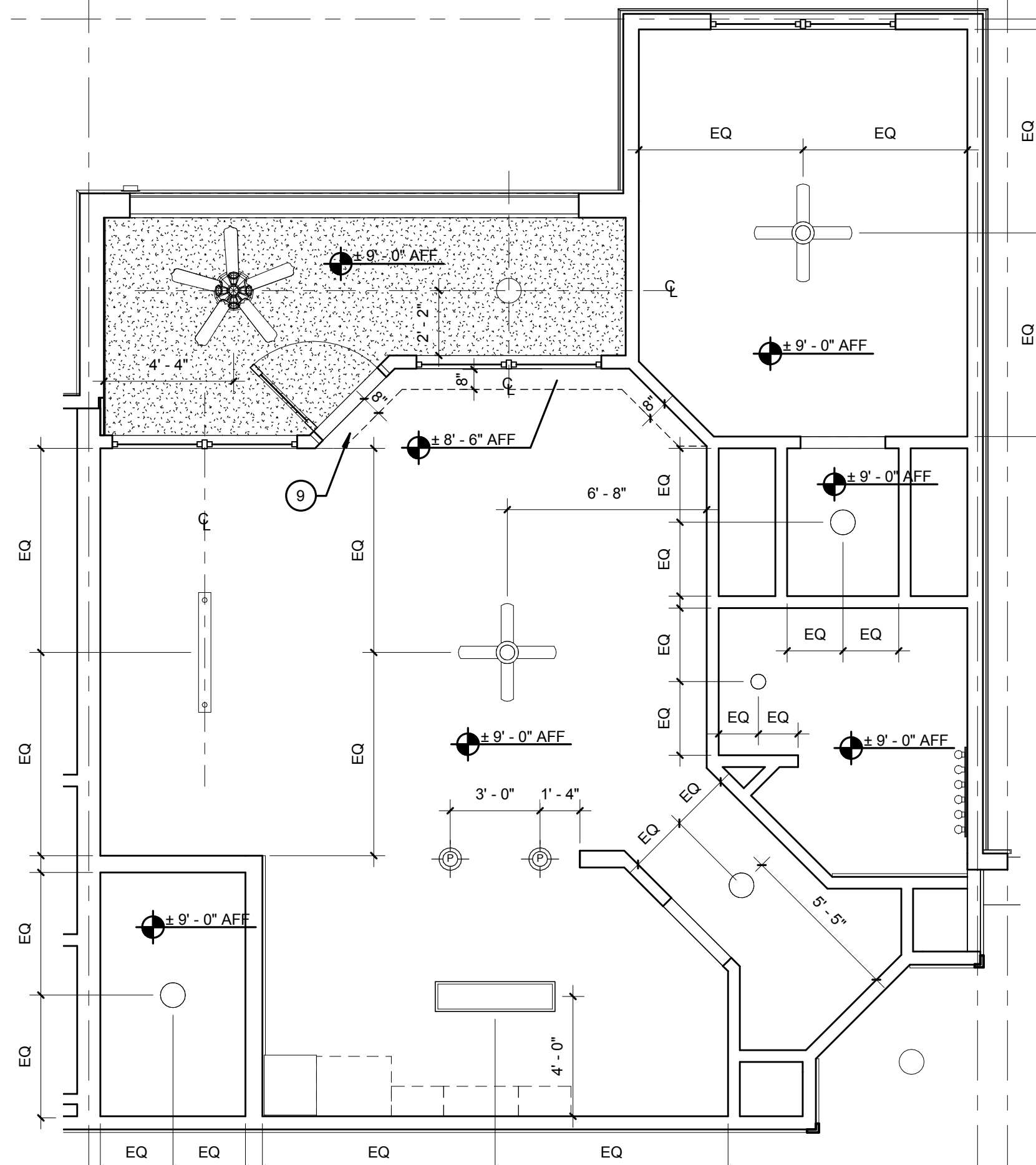
PATRICK D. FITCH
 LICENSE # 103195



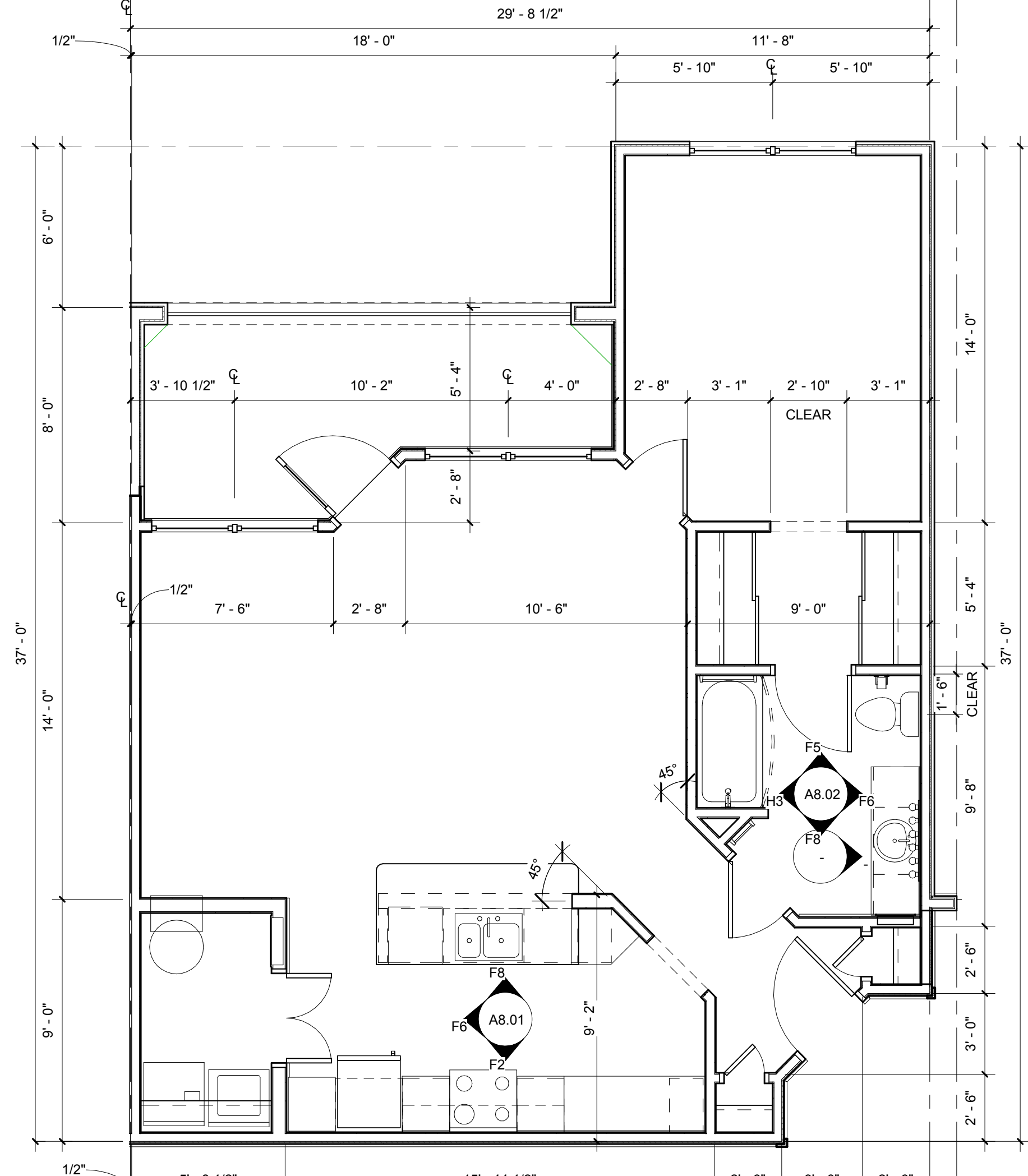
D4 UNIT A1-C - ACCESSIBLE ROUTE PLAN
1/4" = 1'-0"



D7 UNIT A1-C - REFERENCE PLAN
1/4" = 1'-0"



H4 UNIT A1-C - REFLECTED CEILING PLAN
1/4" = 1'-0"



H7 UNIT A1-C - DIMENSION PLAN
1/4" = 1'-0"

- NOTES:**
- A) 100% OF ALL GROUND UNITS SHALL MEET FAIR HOUSING REQUIREMENTS. ALL OPENINGS IN THESE UNITS SHALL BE MINIMUM 32" CLEAR
 - B) PROVIDE ONE 3A-40-B-C (5 lb) FIRE EXTINGUISHER PER APARTMENT. LOCATE PER FIRE DEPARTMENT REQUIREMENTS
 - C) PROVIDE LEVER HARDWARE AT ALL GROUND FLOOR UNITS PER FAIR HOUSING REQUIREMENTS
 - D) REFER TO BLDG. PLANS FOR EXTERIOR WALL TYPES

- LEGEND:** (XX)
1. ELECTRICAL PANEL. REFER TO ELECTRICAL DWGS.
 2. HVAC UNIT. SEE MECHANICAL DWGS.
 3. WIRE SHELF & POLE @ 6'-0" AFF
 4. WIRE SHELF @ 3'-0" AFF & 6'-0" AFF
 5. WIRE SHELF @ 3'-0", 5'-0" & 6'-0" AFF
 6. SHELF ABOVE W/D @ 5'-6" AFF
 7. WIRE SHELF & POLE @ 4'-6" AFF
 8. 18" LAMINATED COUNTERTOP AT 32" AFF
 9. INSULATED BULKHEAD FOR FIRE PROTECTION PIPING. COORDINATE REQUIREMENTS WITH ENGINEERED FIRE PROTECTION SHOP DRAWINGS
 10. TEMPERED GLASS

- (C) INTERIOR CEILING LIGHT
- (E) EXTERIOR CEILING LIGHT
- (R) RECESSED LIGHT
- (P) PENDANT LIGHT
- (T) TRACK LIGHT
- (W) WALL MOUNT FLUORESCENT LIGHT
- (F) FLUORESCENT LIGHT
- (I) INTERIOR CEILING FAN W/LIGHT
- (J) JUNCTION BOX FOR FUTURE EXTERIOR CEILING FAN W/LIGHT. EXT. CEILING LIGHT TO BE ADDED IN LIEU OF FAN
- (V) WALL MOUNT VANITY LIGHT
- (G) GYPSUM CEILING OVER RESILIENT CHANNELS
- (X) TEXTURED EXTERIOR 5/8" GYPSUM TYPE 'C' ON RESILIENT CHANNELS

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

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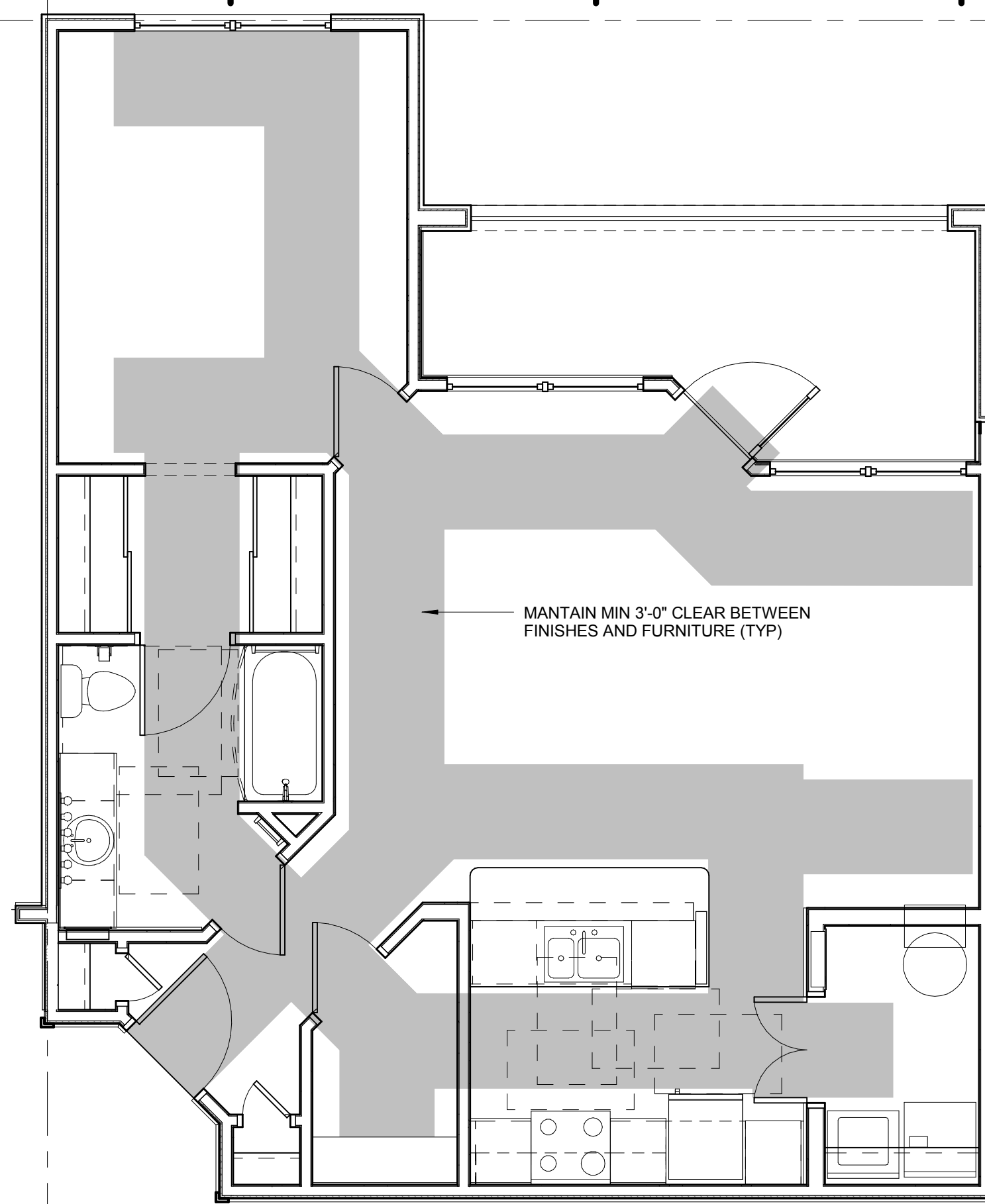
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

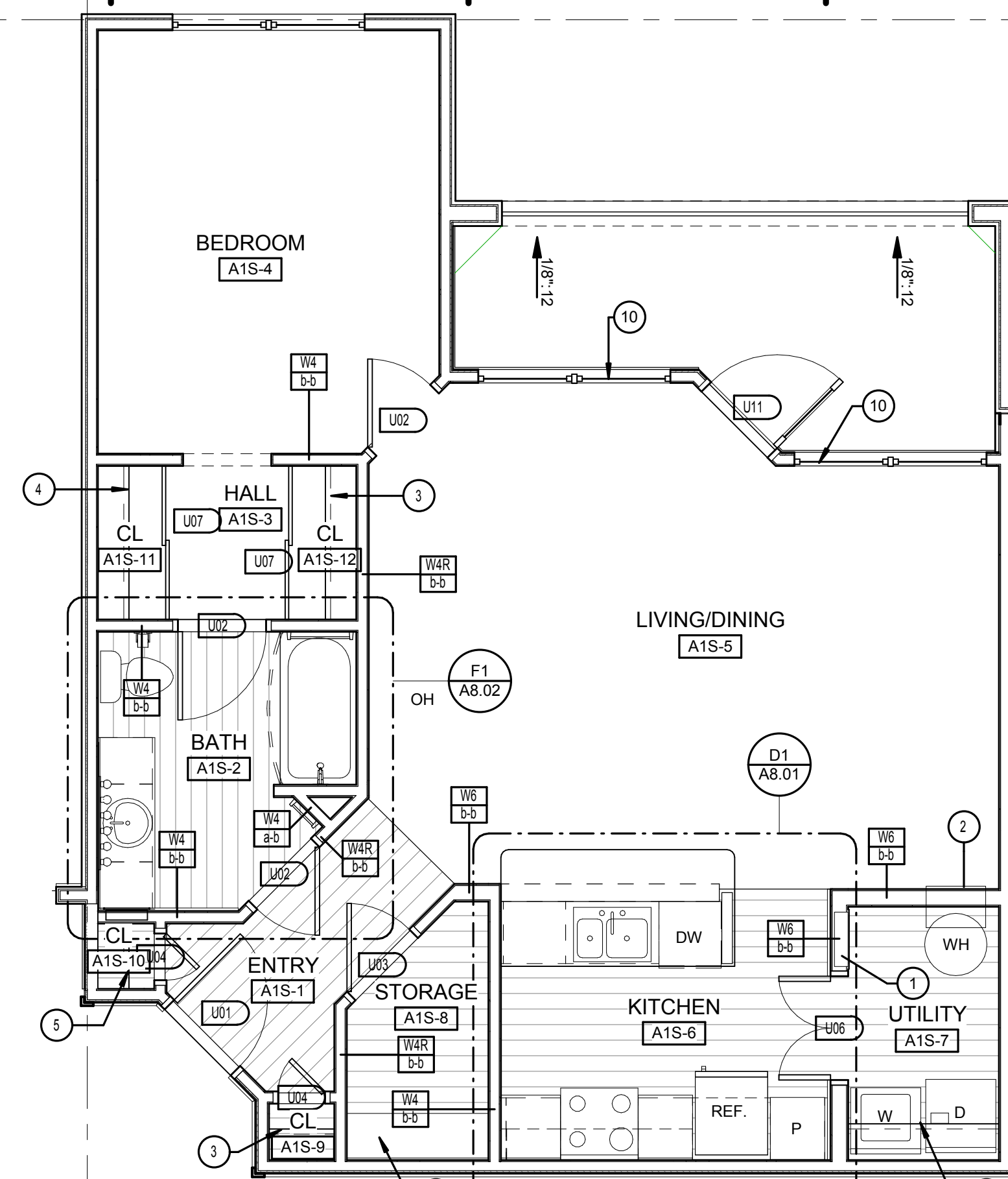
UNIT TYPE A1-C

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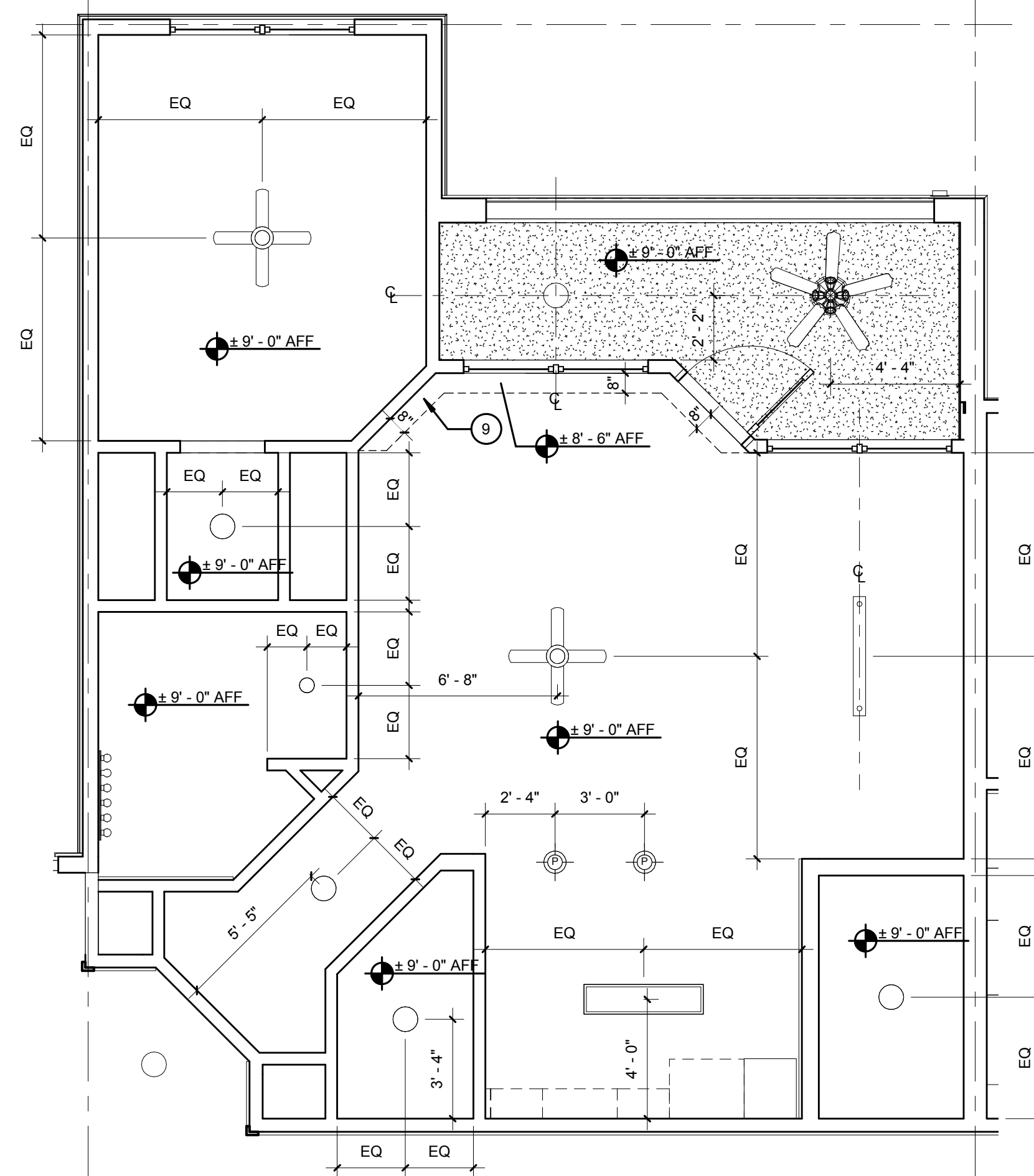
PATRICK D. FITCH
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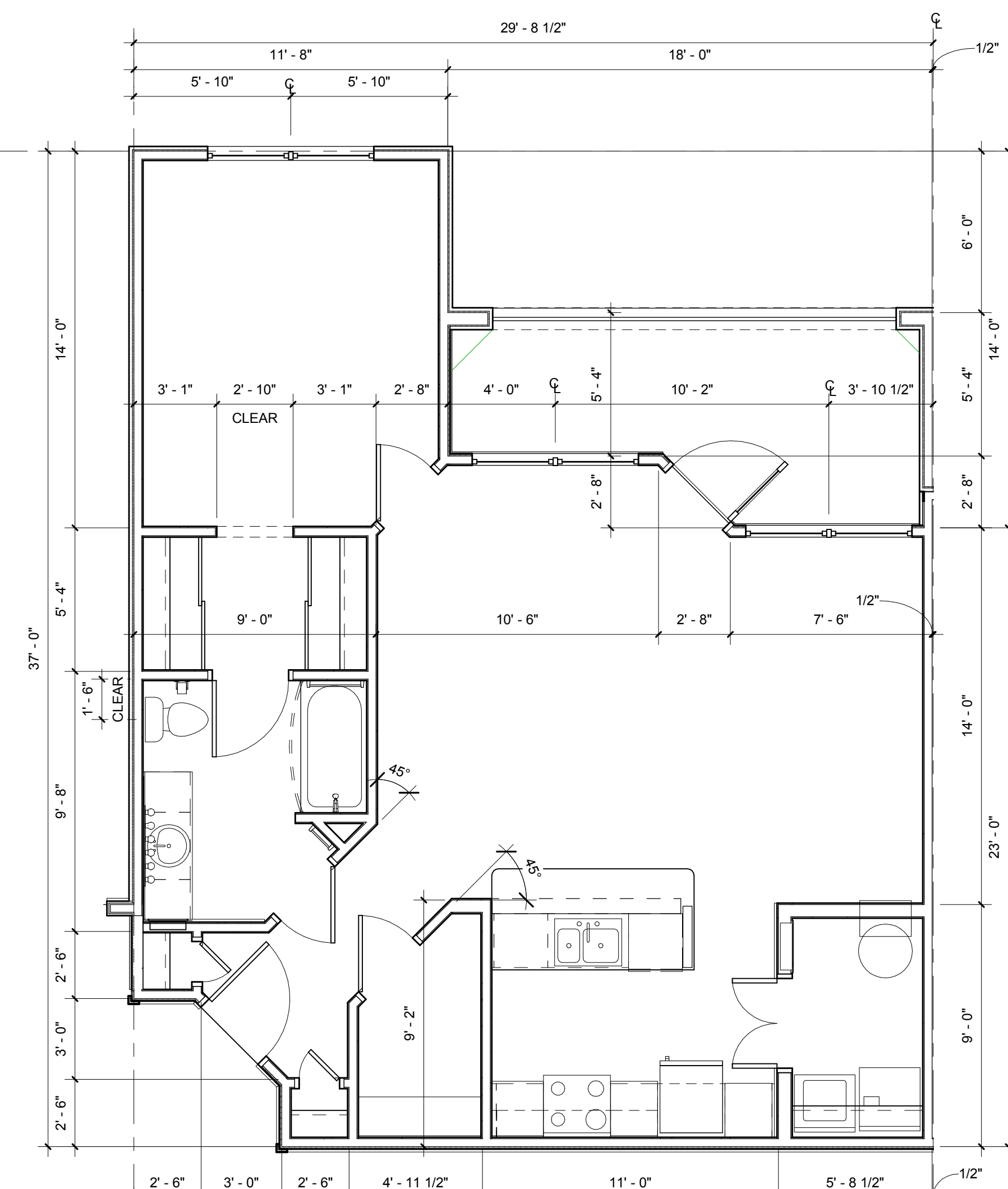
D4 UNIT A1-S - ACCESSIBLE ROUTE PLAN
1/4" = 1'-0"



D8 UNIT A1-S - REFERENCE PLAN
1/4" = 1'-0"



H4 UNIT A1-S - REFLECTED CEILING PLAN
1/4" = 1'-0"



H7 UNIT A1-S - DIMENSION PLAN
1/4" = 1'-0"

NOTES:

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- D) REFER TO BLDG. PLANS FOR EXTERIOR WALL TYPES

LEGEND:

- 1. ELECTRICAL PANEL. REFER TO ELECTRICAL DWGS.
 - 2. HVAC UNIT. SEE MECHANICAL DWGS.
 - 3. WIRE SHELF & POLE @ 6'-0" AFF
 - 4. WIRE SHELF @ 3'-0" AFF & 6'-0" AFF
 - 5. WIRE SHELF @ 3'-0", 5'-0" & 6'-0" AFF
 - 6. SHELF ABOVE W/D @ 5'-0" AFF
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 - 9. INSULATED BULKHEAD FOR FIRE PROTECTION PIPING - COORDINATE REQUIREMENTS WITH ENGINEERED FIRE PROTECTION SHOP DRAWINGS
 - 10. TEMPERED GLASS
- (C) INTERIOR CEILING LIGHT
 - (E) EXTERIOR CEILING LIGHT
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 - (P) PENDANT LIGHT
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 - (W) WALL MOUNT FLUORESCENT LIGHT
 - (F) FLUORESCENT LIGHT
 - (V) INTERIOR CEILING FAN W/LIGHT
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 - (WV) WALL MOUNT VANITY LIGHT
 - (G) GYPSUM CEILING OVER RESILIENT CHANNELS
 - (T) TEXTURED EXTERIOR 5/8" GYPSUM TYPE 'C' ON RESILIENT CHANNELS

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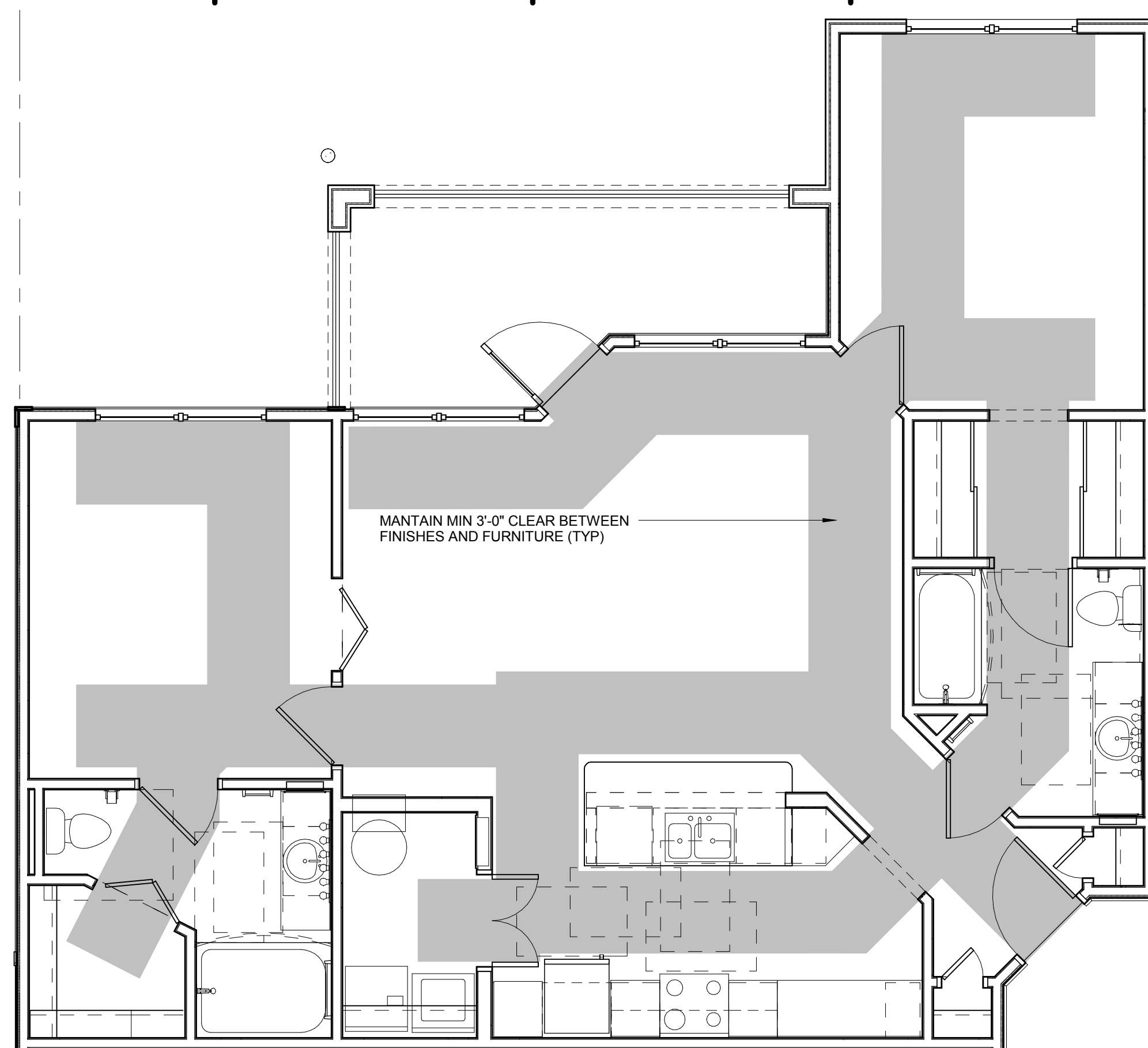
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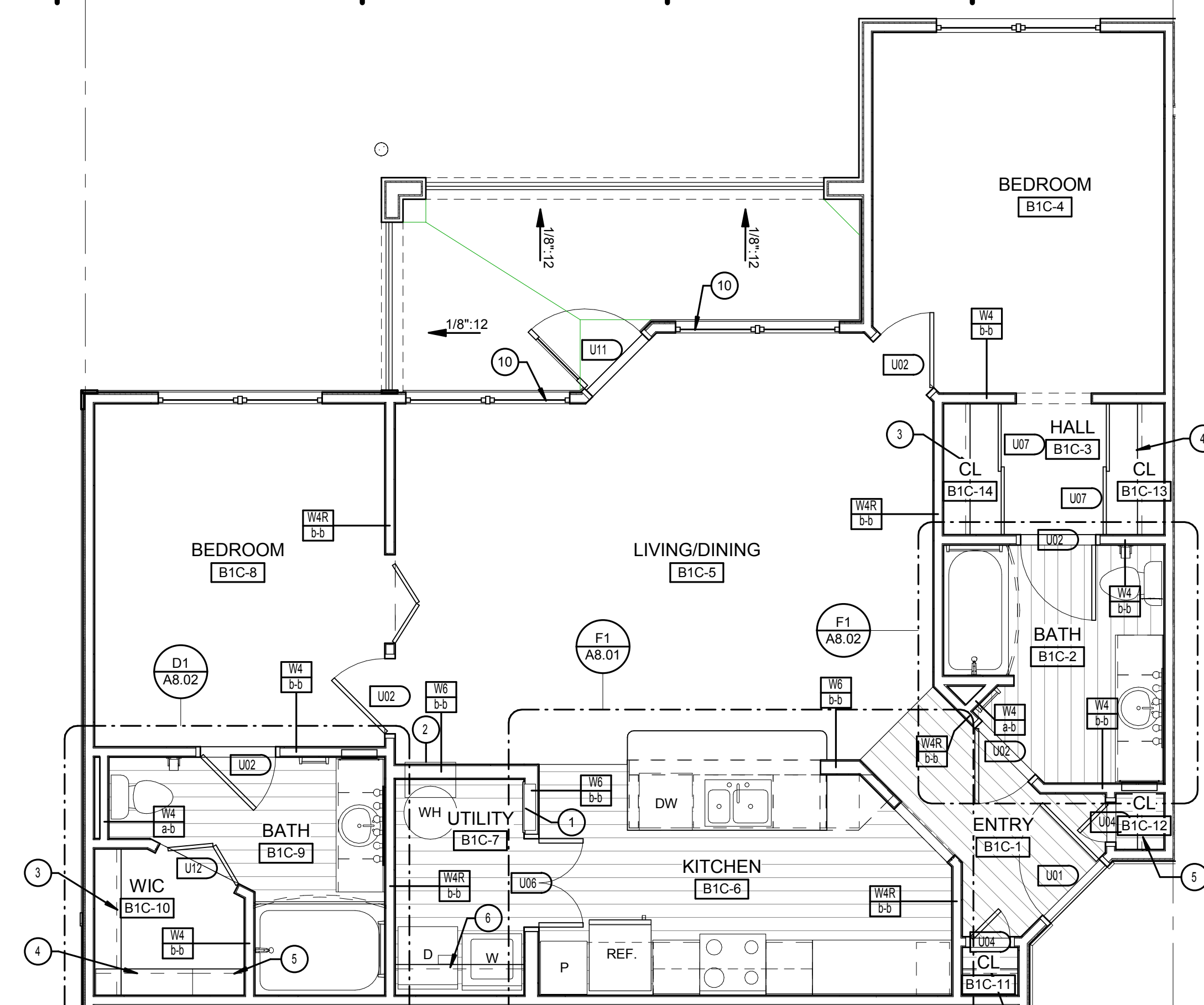
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

UNIT TYPE A1-S
A3.03

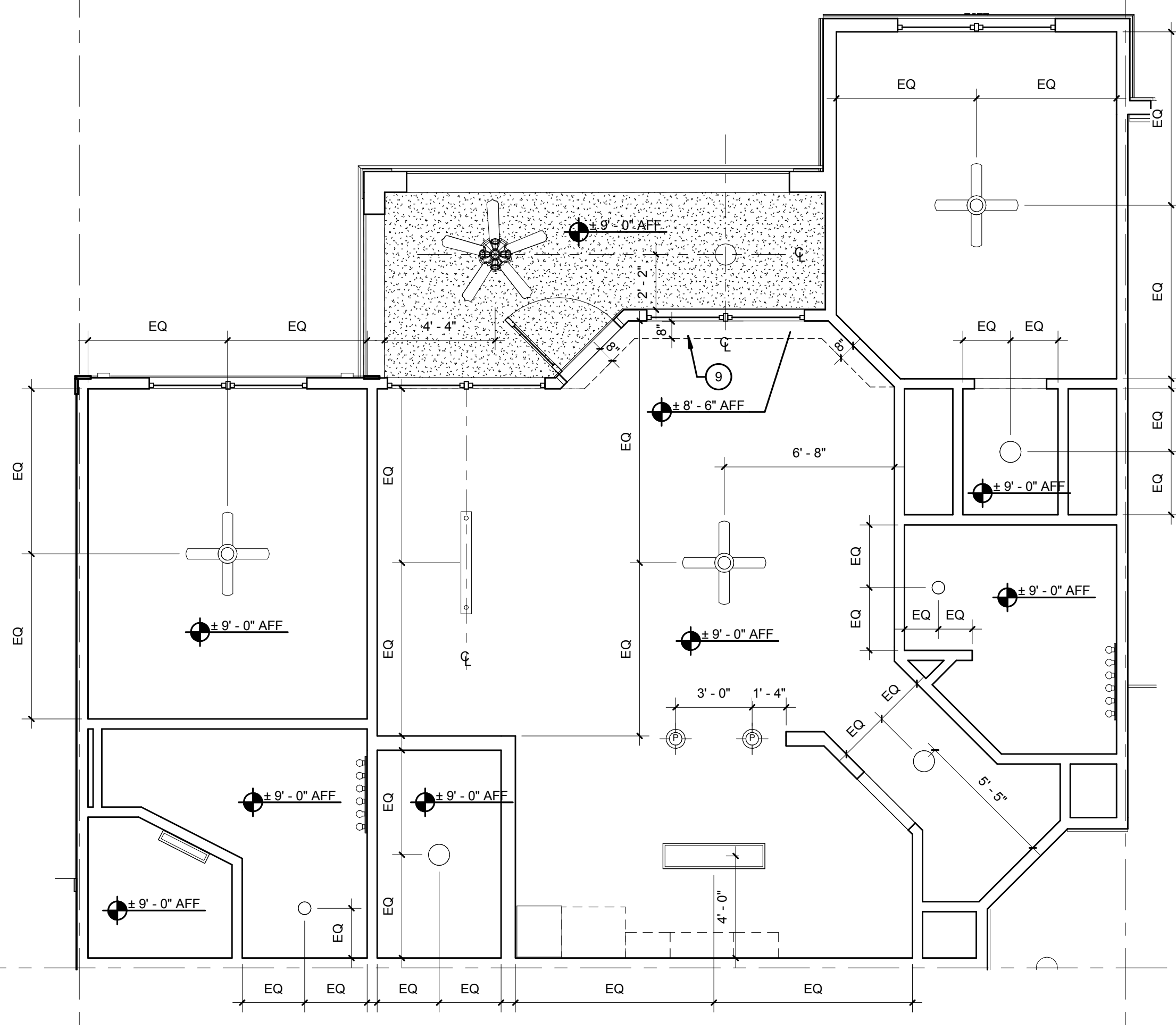
PATRICK D. FITCH
LICENSE # 103195



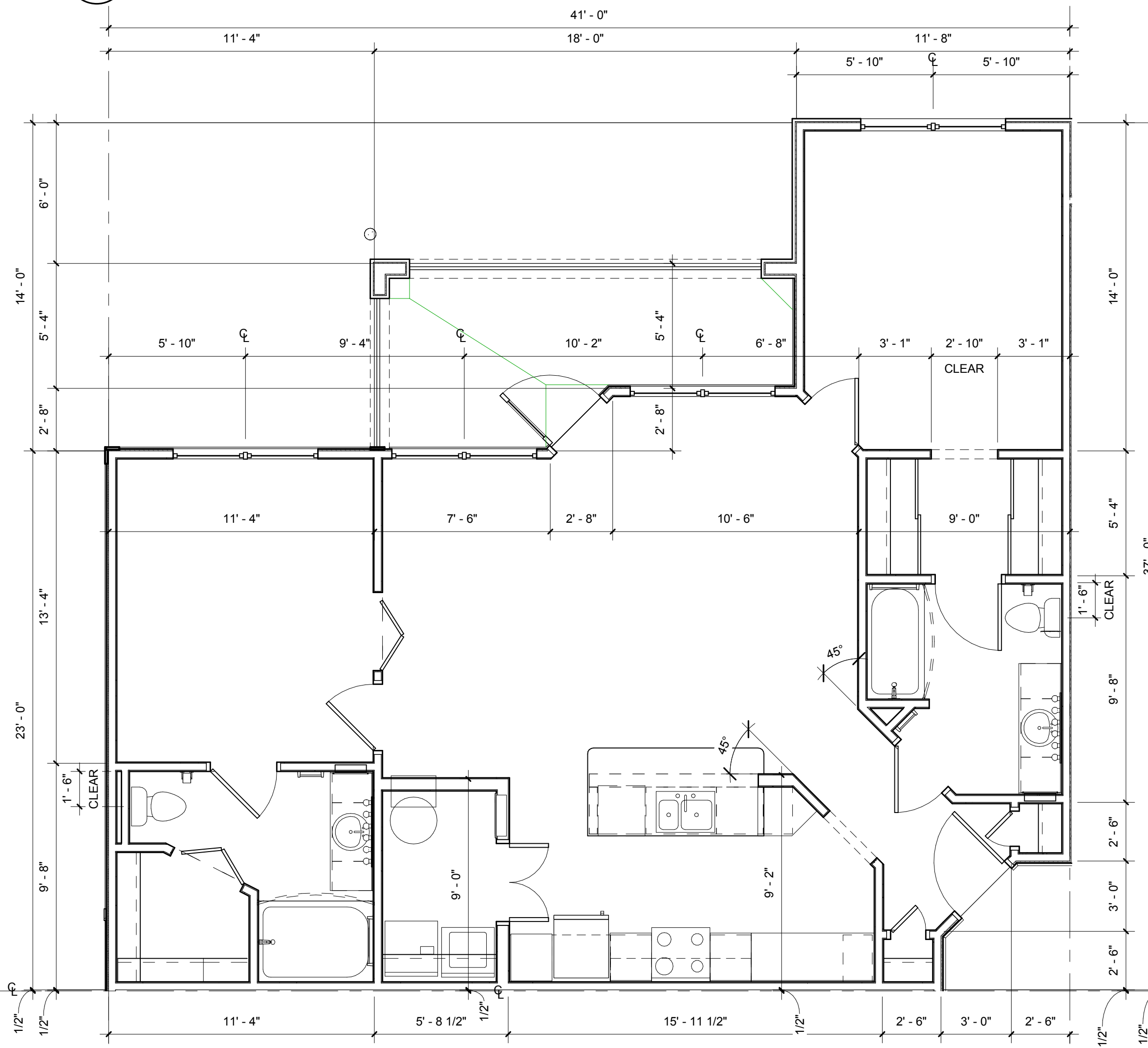
D2 UNIT B1-C - ACCESSIBLE ROUTE PLAN
1/4" = 1'-0"



D7 UNIT B1-C - REFERENCE PLAN
1/4" = 1'-0"



H2 UNIT B1-C - REFLECTED CEILING PLAN
1/4" = 1'-0"



H7 UNIT B1-C - DIMENSION PLAN
1/4" = 1'-0"

- NOTES:**
- A) 100% OF ALL GROUND UNITS SHALL MEET FAIR HOUSING REQUIREMENTS. ALL OPENINGS IN THESE UNITS SHALL BE MINIMUM 32" CLEAR
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- LEGEND:** (XX)
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 5. WIRE SHELF @ 3'-0", 5'-0" & 6'-0" AFF
 6. SHELF ABOVE W/D @ 5'-6" AFF
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 - (E) EXTERIOR CEILING LIGHT
 - (R) RECESSED LIGHT
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 - (W) WALL MOUNT FLUORESCENT LIGHT
 - (F) FLUORESCENT LIGHT
 - (I) INTERIOR CEILING FAN W/LIGHT
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 - (V) WALL MOUNT VANITY LIGHT
 - (G) GYPSUM CEILING OVER RESILIENT CHANNELS
 - (T) TEXTURED EXTERIOR 5/8" GYPSUM TYPE 'C' ON RESILIENT CHANNELS

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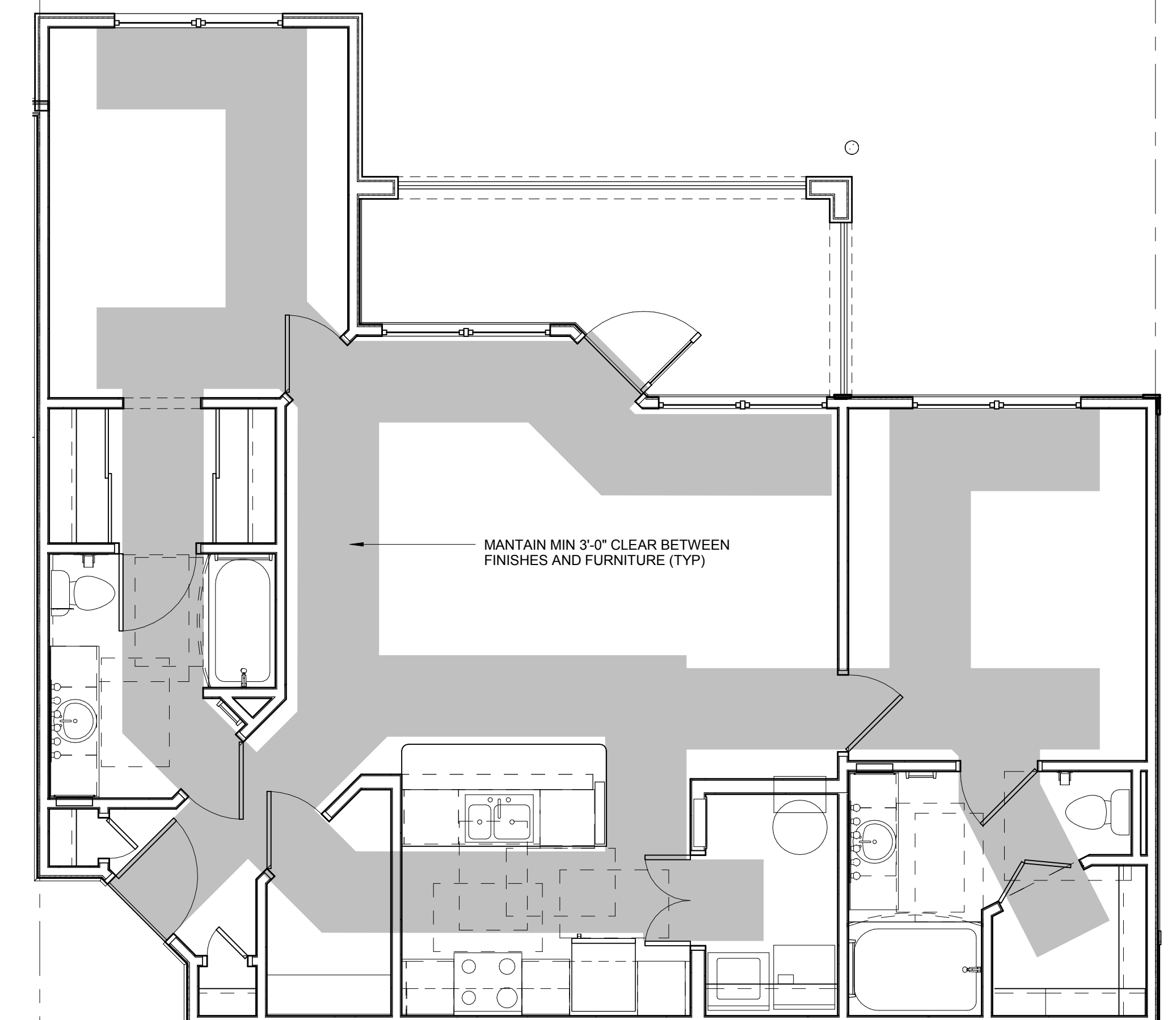
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

UNIT TYPE B1-C

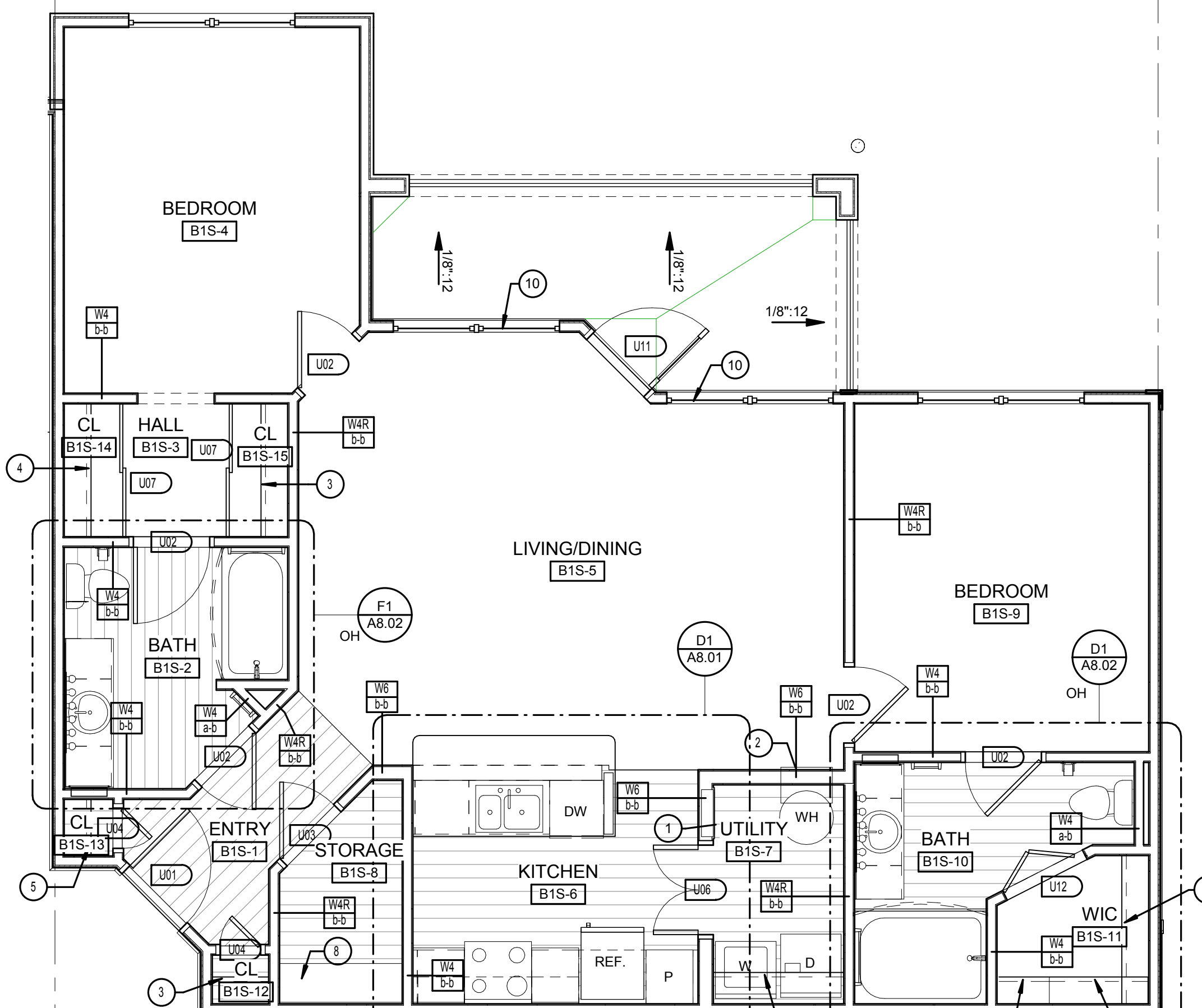
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A3.04

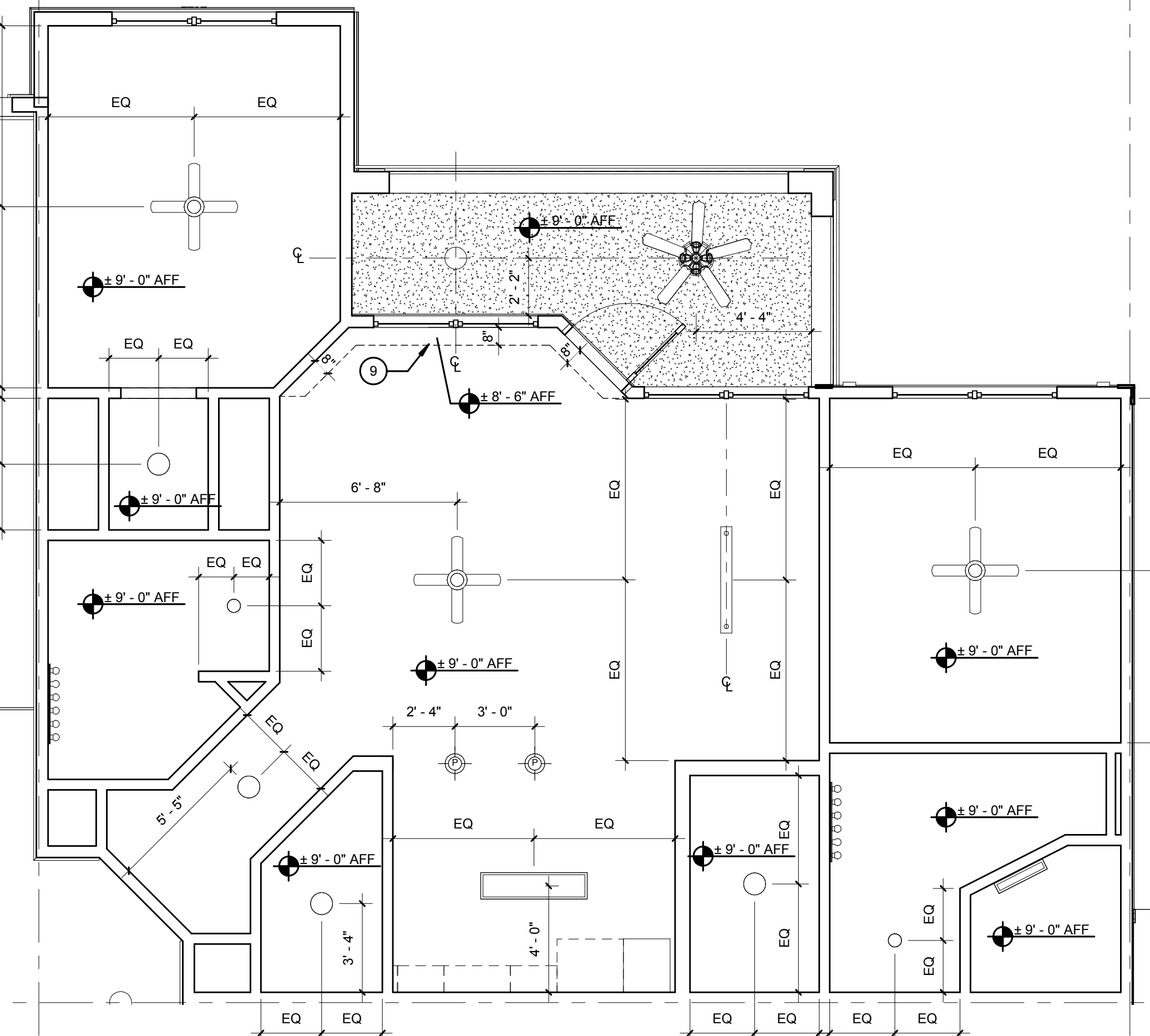
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LICENSE # 103195



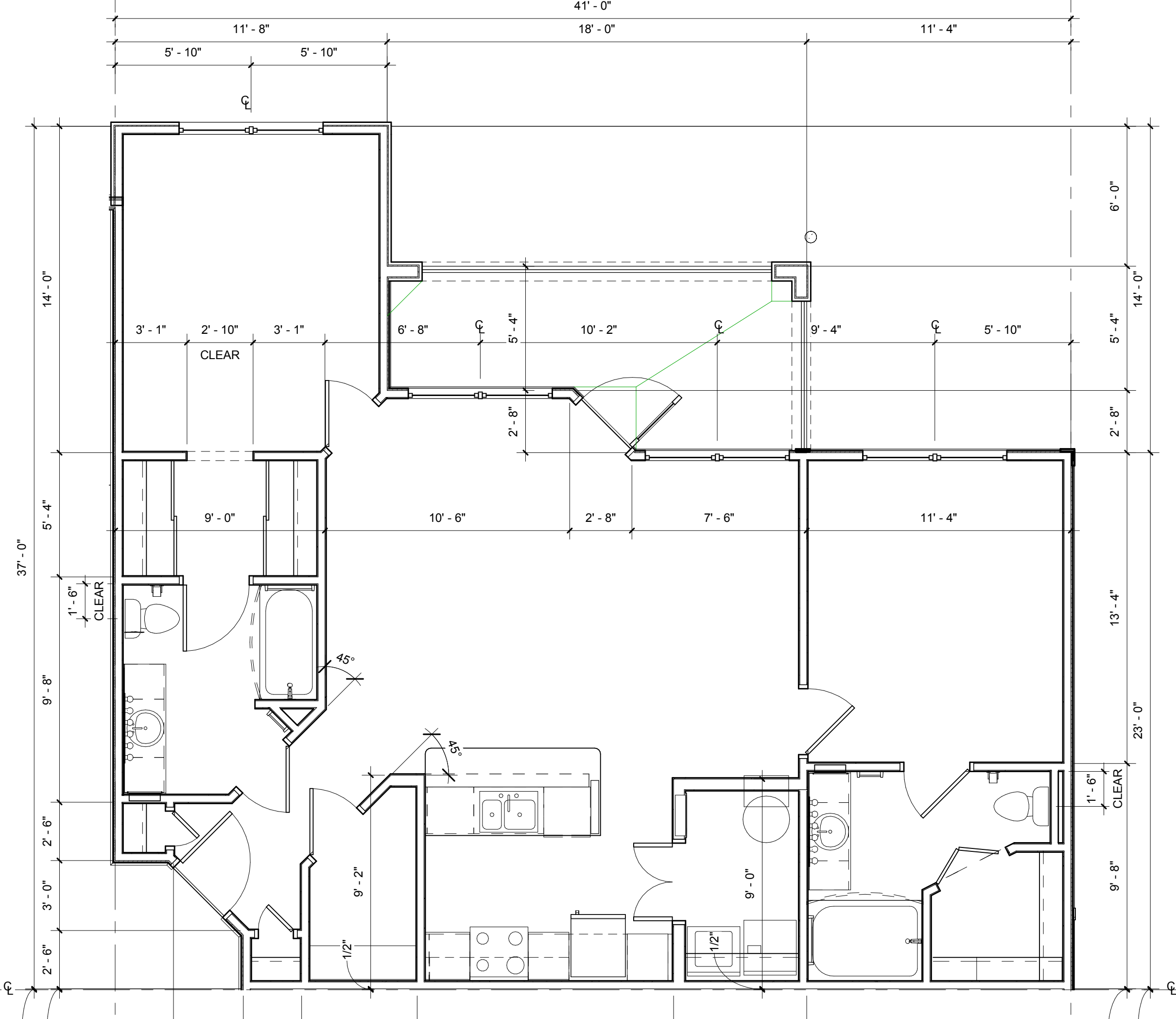
D2 UNIT B1-S - ACCESSIBLE ROUTE PLAN
1/4" = 1'-0"



D7 UNIT B1-S - REFERENCE PLAN
1/4" = 1'-0"



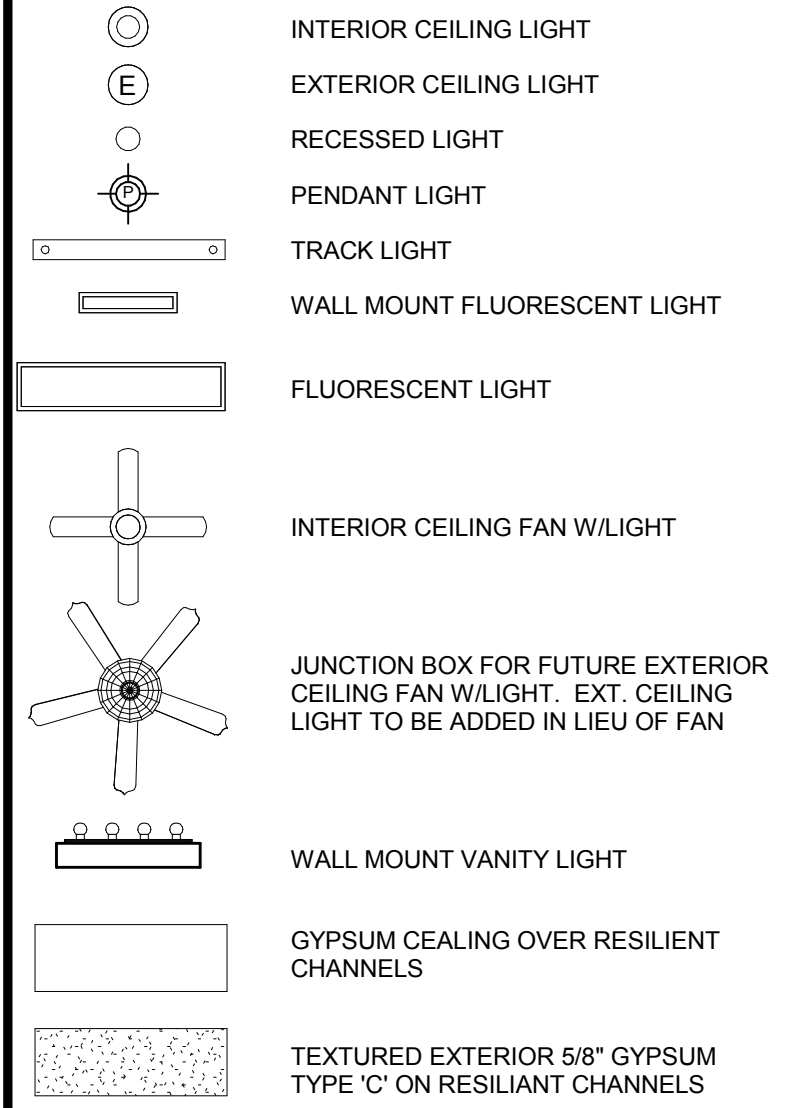
H2 UNIT B1-S - REFLECTED CEILING PLAN
1/4" = 1'-0"



H7 UNIT B1-S - DIMENSION PLAN
1/4" = 1'-0"

- NOTES:**
- A) 100% OF ALL GROUND UNITS SHALL MEET FAIR HOUSING REQUIREMENTS. ALL OPENINGS IN THESE UNITS SHALL BE MINIMUM 32" CLEAR
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 - 5. WIRE SHELF @ 3'-0", 5'-0" & 6'-0" AFF
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 - 7. WIRE SHELF & POLE @ 4'-6" AFF
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 - 9. INSULATED BULKHEAD FOR FIRE PROTECTION PIPING - COORDINATE REQUIREMENTS WITH ENGINEERED FIRE PROTECTION SHOP DRAWINGS
 - 10. TEMPERED GLASS



ISSUE HISTORY

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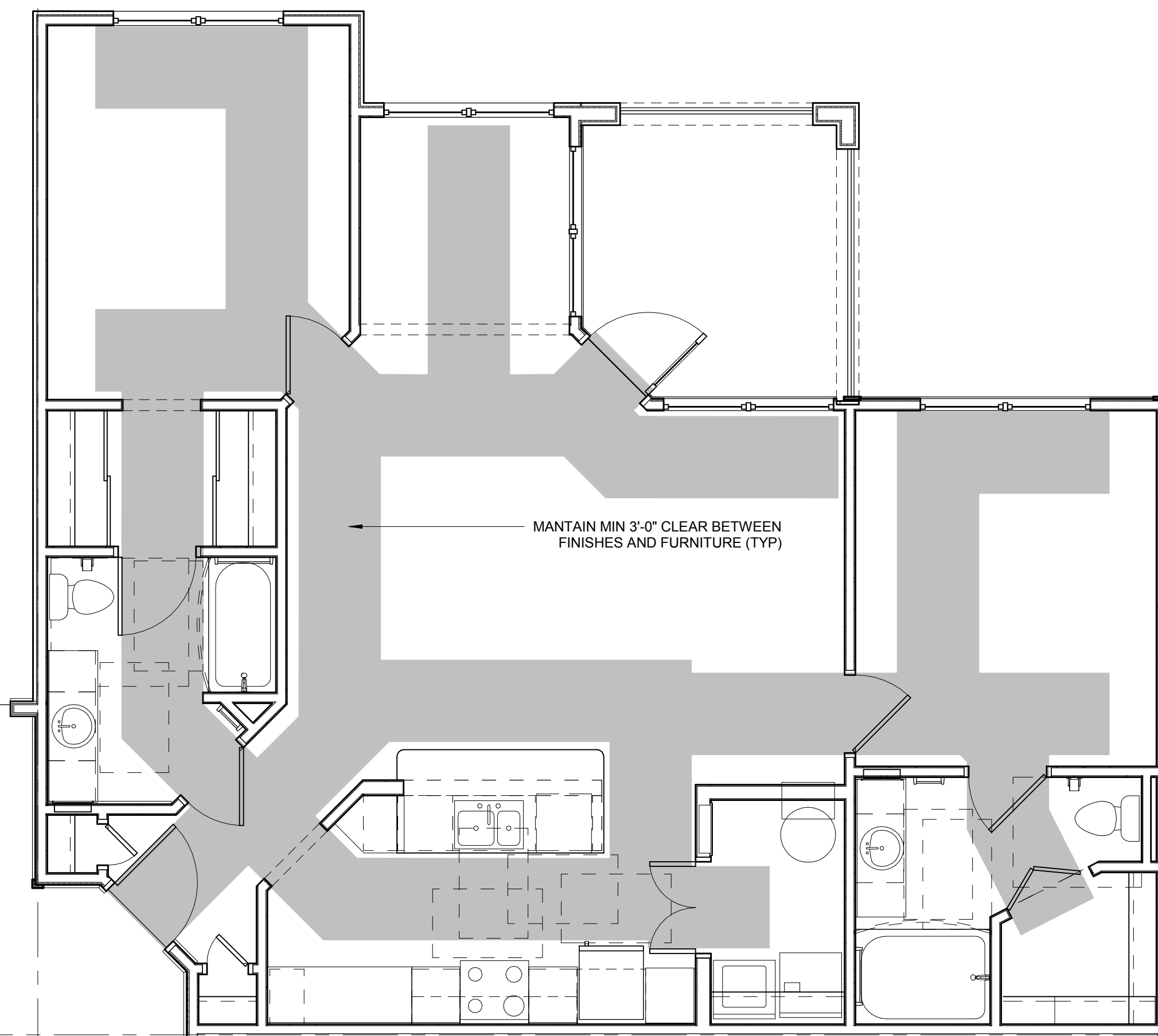
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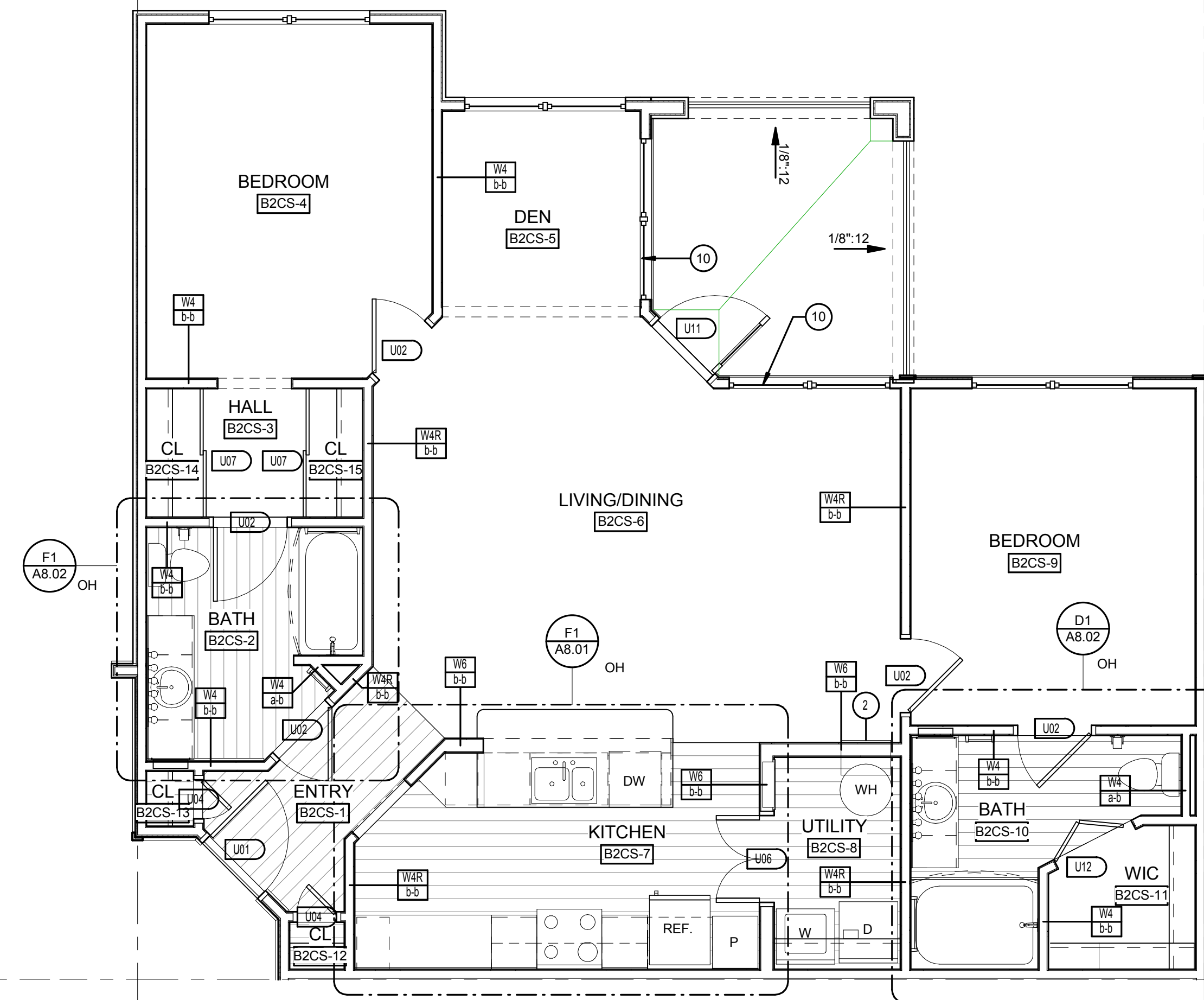
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

UNIT TYPE B1-S

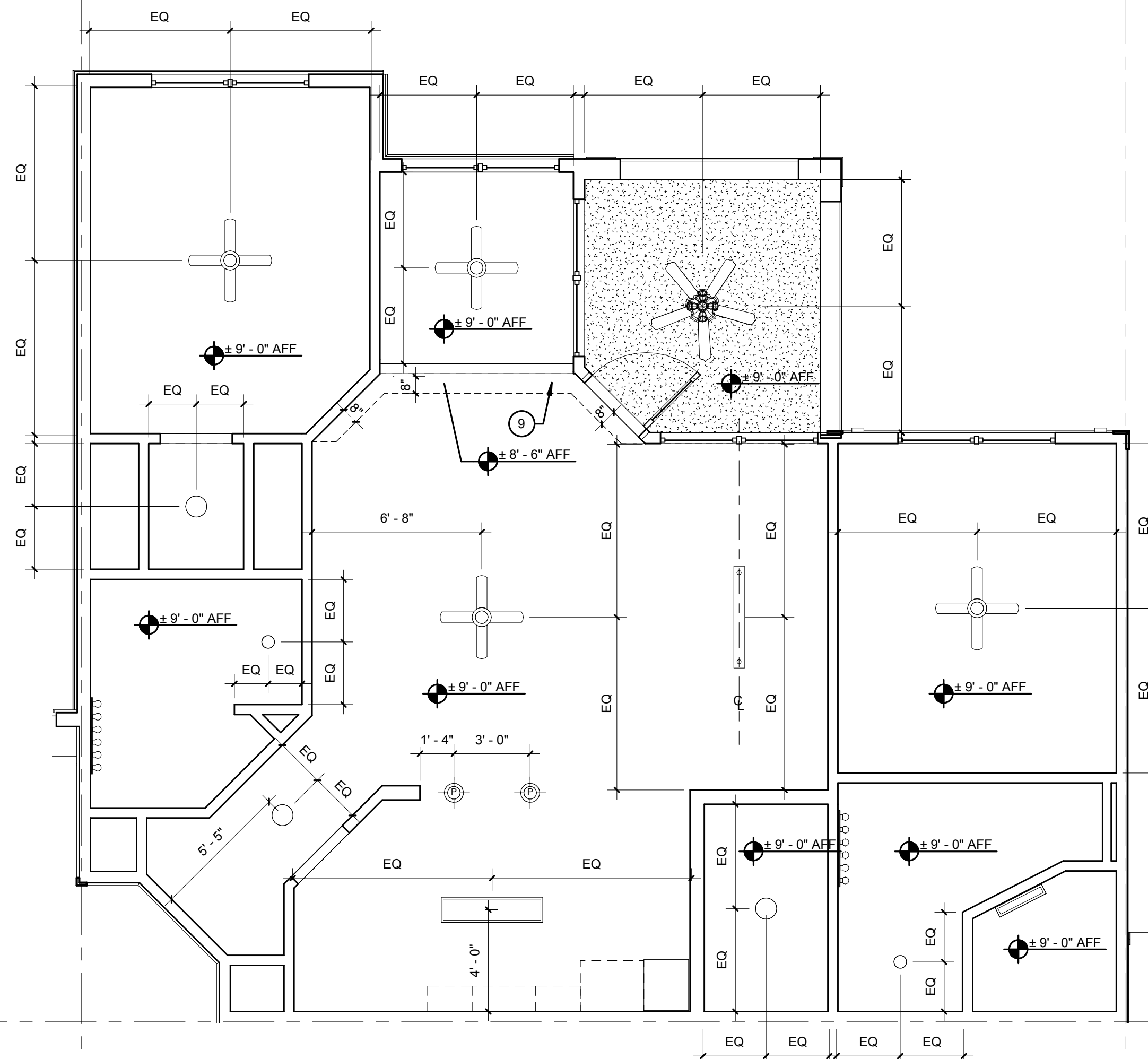
PATRICK D. FITCH
LICENSE # 103195



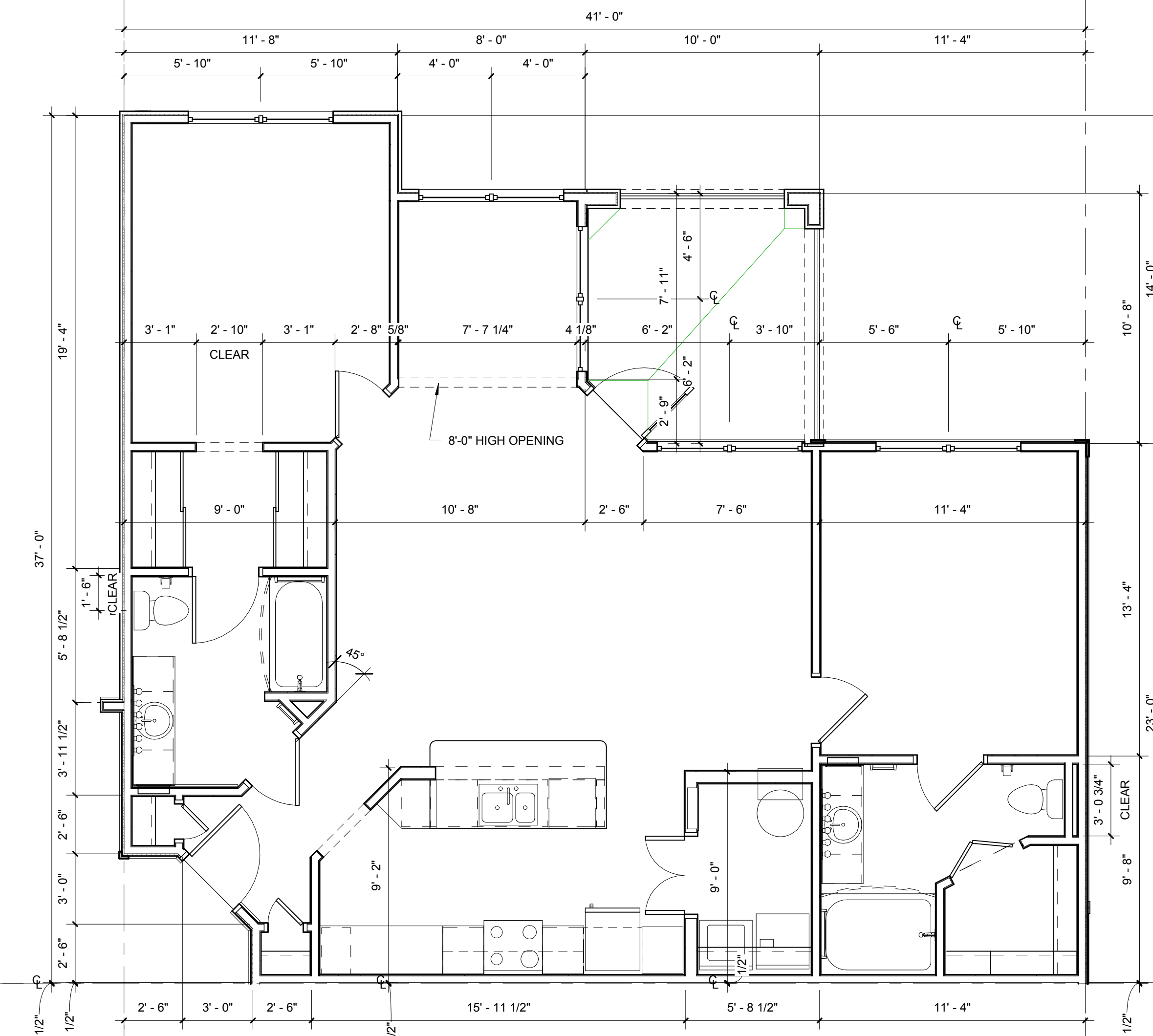
D2 UNIT B2-CS - ACCESSIBLE ROUTE PLAN
1/4" = 1'-0"



D7 UNIT B2-CS - REFERENCE PLAN
1/4" = 1'-0"



H2 UNIT B1-CS - REFLECTED CEILING PLAN
1/4" = 1'-0"



H7 UNIT B2-CS - DIMENSION PLAN
1/4" = 1'-0"

NOTES:

- A) 100% OF ALL GROUND UNITS SHALL MEET FAIR HOUSING REQUIREMENTS. ALL OPENINGS IN THESE UNITS SHALL BE MINIMUM 32" CLEAR
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LEGEND: (XX)

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- 4. WIRE SHELF @ 3'-0" AFF & 6'-0" AFF
- 5. WIRE SHELF @ 3'-0", 5'-0" & 6'-0" AFF
- 6. SHELF ABOVE W/D @ 5'-6" AFF
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- 10. TEMPERED GLASS

- (C) INTERIOR CEILING LIGHT
- (E) EXTERIOR CEILING LIGHT
- (R) RECESSED LIGHT
- (P) PENDANT LIGHT
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- (W) WALL MOUNT FLUORESCENT LIGHT
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- (WV) WALL MOUNT VANITY LIGHT
- (G) GYPSUM CEILING OVER RESILIENT CHANNELS
- (T) TEXTURED EXTERIOR 5/8" GYPSUM TYPE 'C' ON RESILIENT CHANNELS

ISSUE HISTORY

No.	Date	Description
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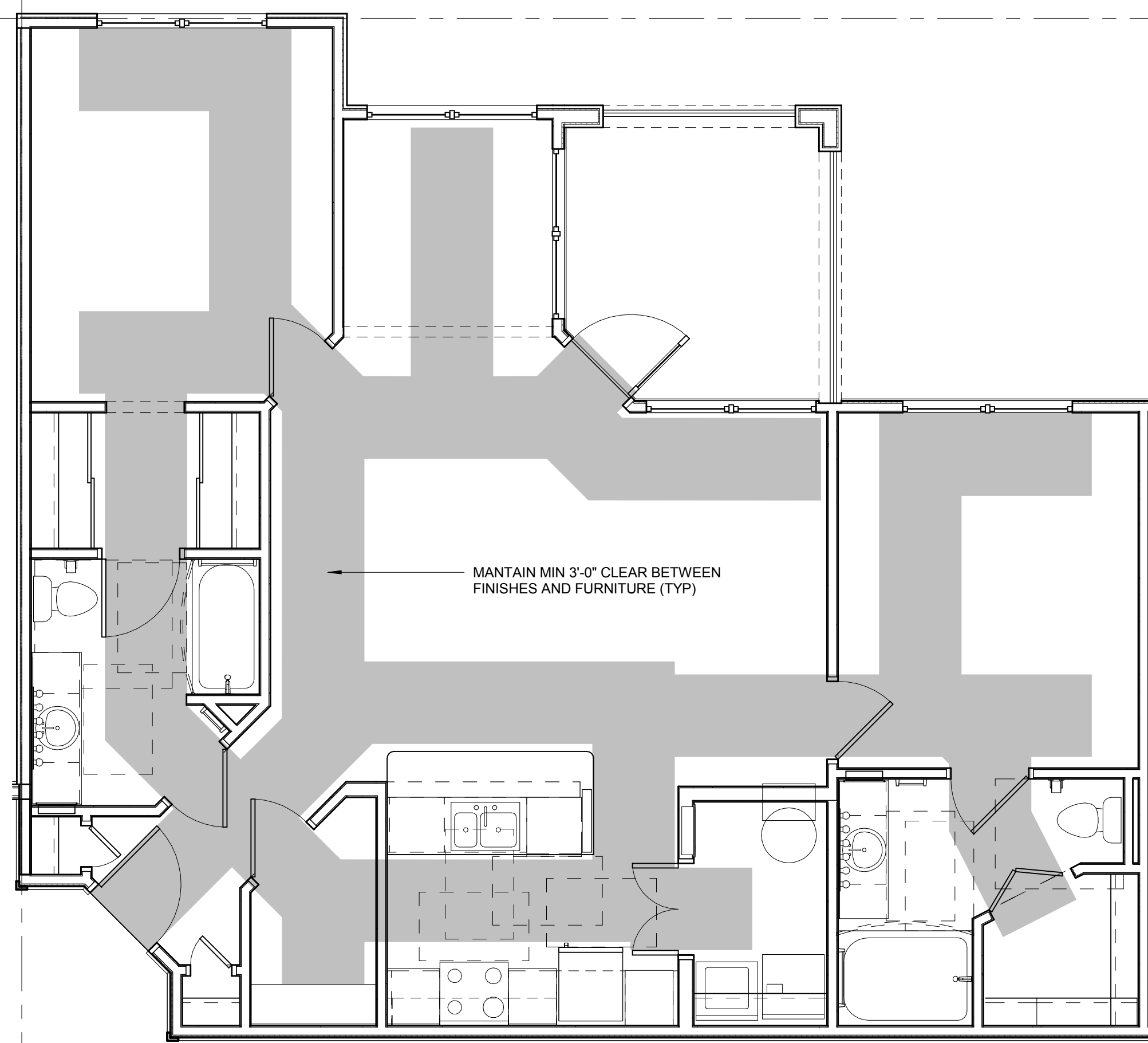
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

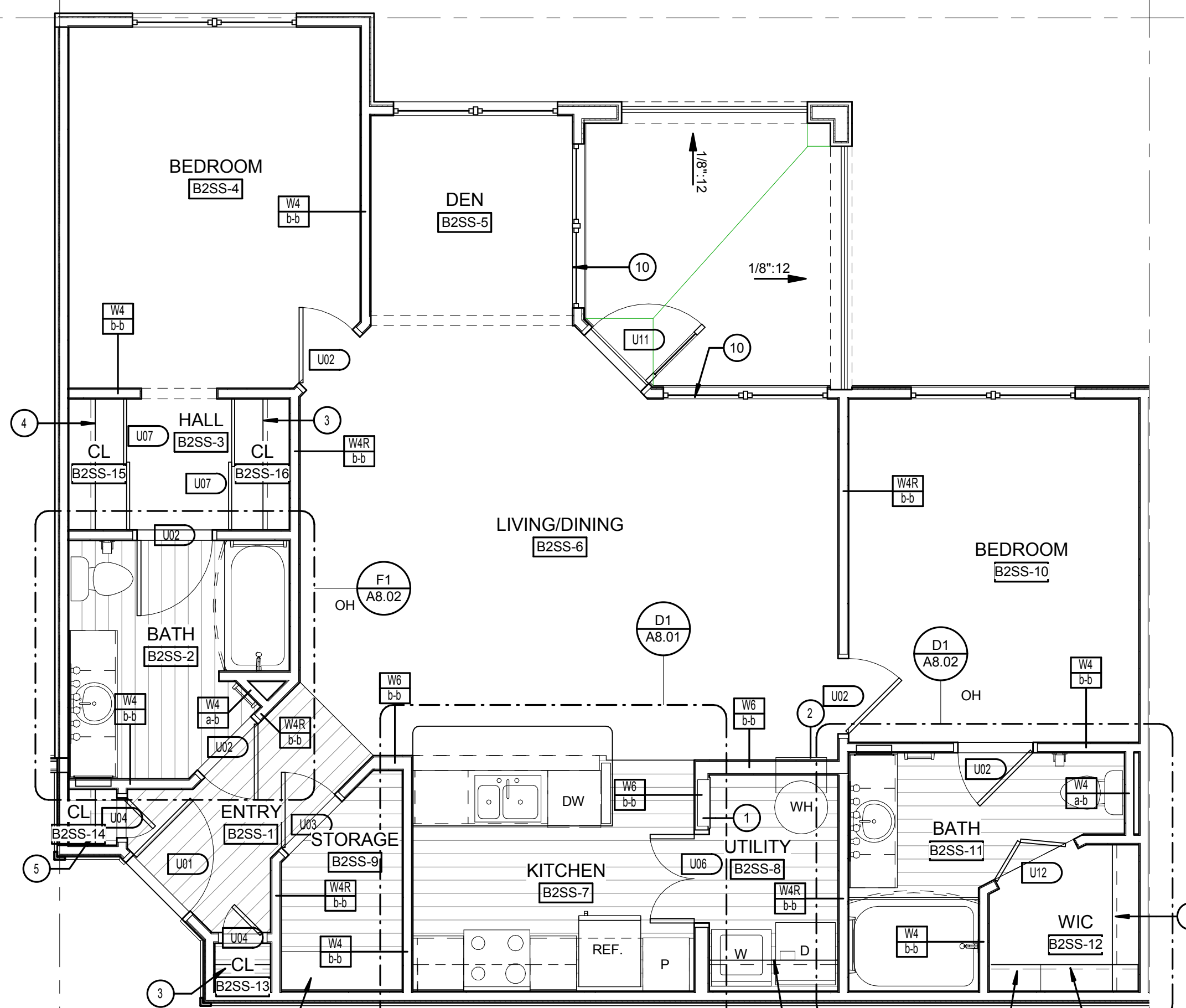
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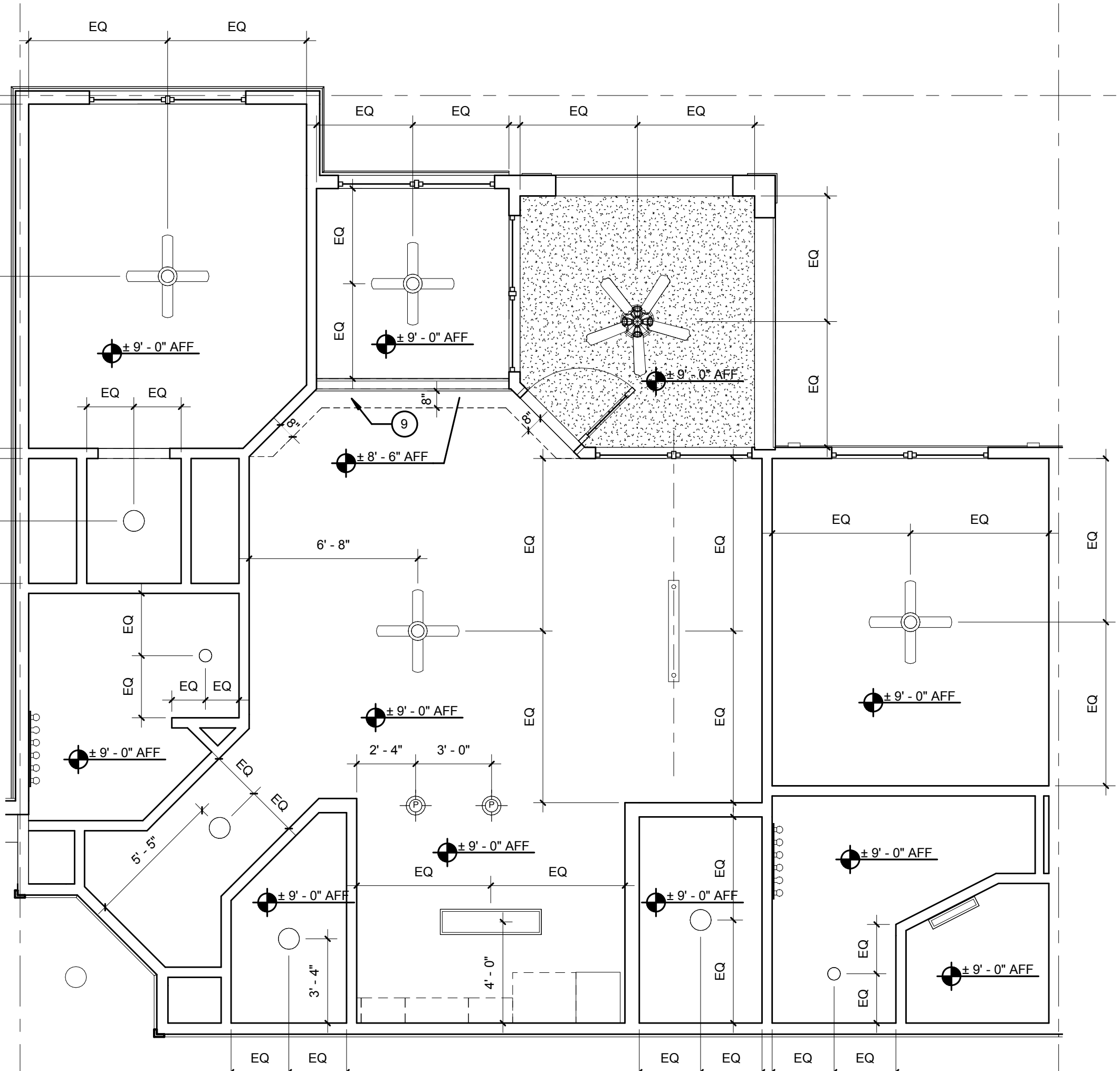
PATRICK D. FITCH
LICENSE # 103195



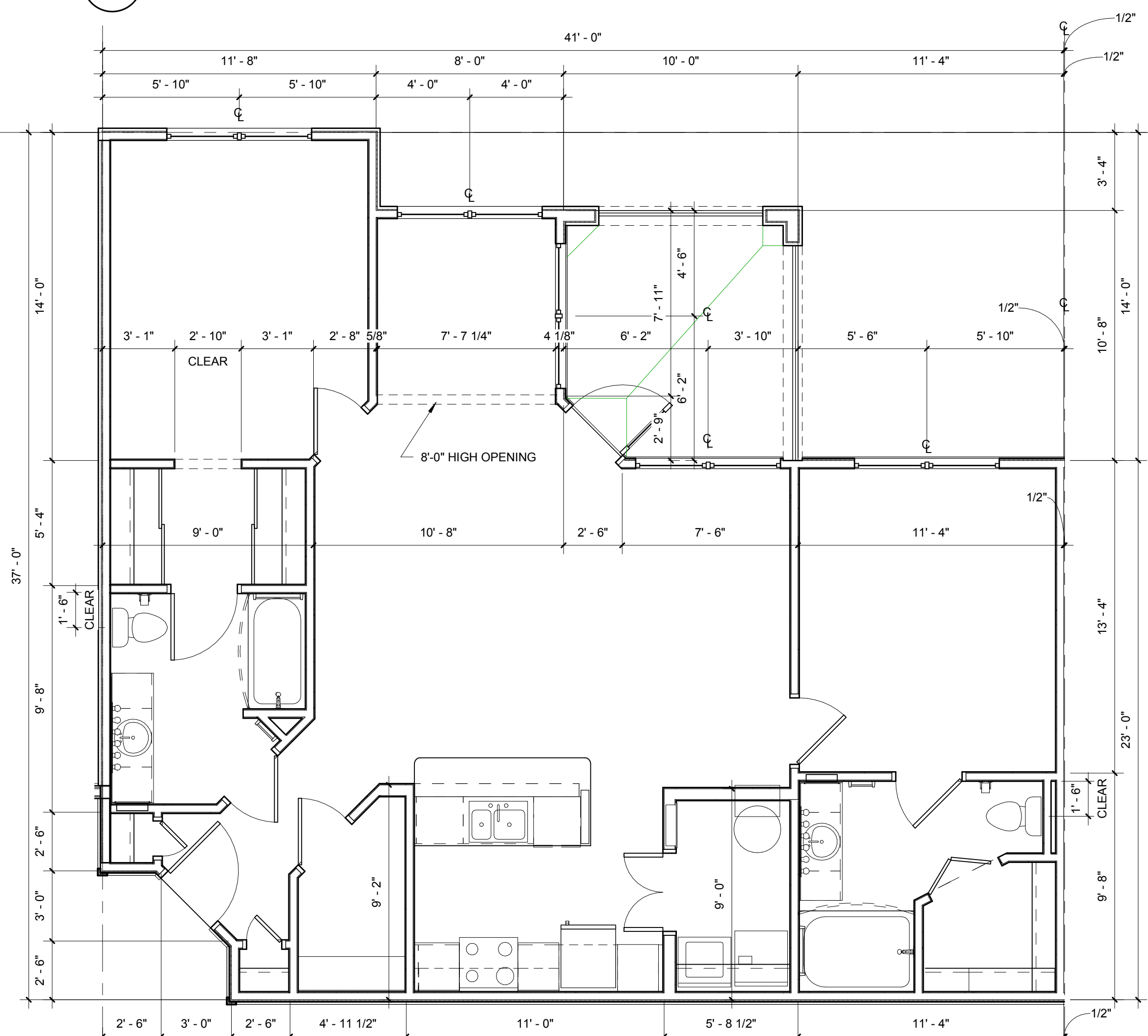
D2 UNIT B2-SS - ACCESSIBLE ROUTE PLAN
1/4" = 1'-0"



D7 UNIT B2-SS - REFERENCE PLAN
1/4" = 1'-0"



H2 UNIT B1-SS - REFLECTED CEILING PLAN
1/4" = 1'-0"



H7 UNIT B2-SS - DIMENSION PLAN
1/4" = 1'-0"

NOTES:

- 100% OF ALL GROUND UNITS SHALL MEET FAIR HOUSING REQUIREMENTS. ALL OPENINGS IN THESE UNITS SHALL BE MINIMUM 32" CLEAR
- PROVIDE ONE 3A-40-B-C (5 lb) FIRE EXTINGUISHER PER APARTMENT. LOCATE PER FIRE DEPARTMENT REQUIREMENTS
- PROVIDE LEVER HARDWARE AT ALL GROUND FLOOR UNITS PER FAIR HOUSING REQUIREMENTS
- REFER TO BLDG. PLANS FOR EXTERIOR WALL TYPES

LEGEND: (XX)

- ELECTRICAL PANEL. REFER TO ELECTRICAL DWGS.
- HVAC UNIT. SEE MECHANICAL DWGS.
- WIRE SHELF & POLE @ 6'-0" AFF
- WIRE SHELF @ 3'-0" AFF & 6'-0" AFF
- WIRE SHELF @ 3'-0", 5'-0" & 6'-0" AFF
- SHELF ABOVE W/D @ 5'-6" AFF
- WIRE SHELF & POLE @ 4'-6" AFF
- 18" LAMINATED COUNTERTOP AT 32" AFF
- INSULATED BULKHEAD FOR FIRE PROTECTION PIPING - COORDINATE REQUIREMENTS WITH ENGINEERED FIRE PROTECTION SHOP DRAWINGS
- TEMPERED GLASS

(C) INTERIOR CEILING LIGHT
 (E) EXTERIOR CEILING LIGHT
 (R) RECESSED LIGHT
 (P) PENDANT LIGHT
 (T) TRACK LIGHT
 (F) WALL MOUNT FLUORESCENT LIGHT
 (FL) FLUORESCENT LIGHT
 (CF) INTERIOR CEILING FAN W/LIGHT
 (J) JUNCTION BOX FOR FUTURE EXTERIOR CEILING FAN W/LIGHT. EXT. CEILING LIGHT TO BE ADDED IN LIEU OF FAN
 (V) WALL MOUNT VANITY LIGHT
 (G) GYPSUM CEILING OVER RESILIENT CHANNELS
 (T) TEXTURED EXTERIOR 5/8" GYPSUM TYPE 'C' ON RESILIENT CHANNELS

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

FUGLEBERG KOCH
PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

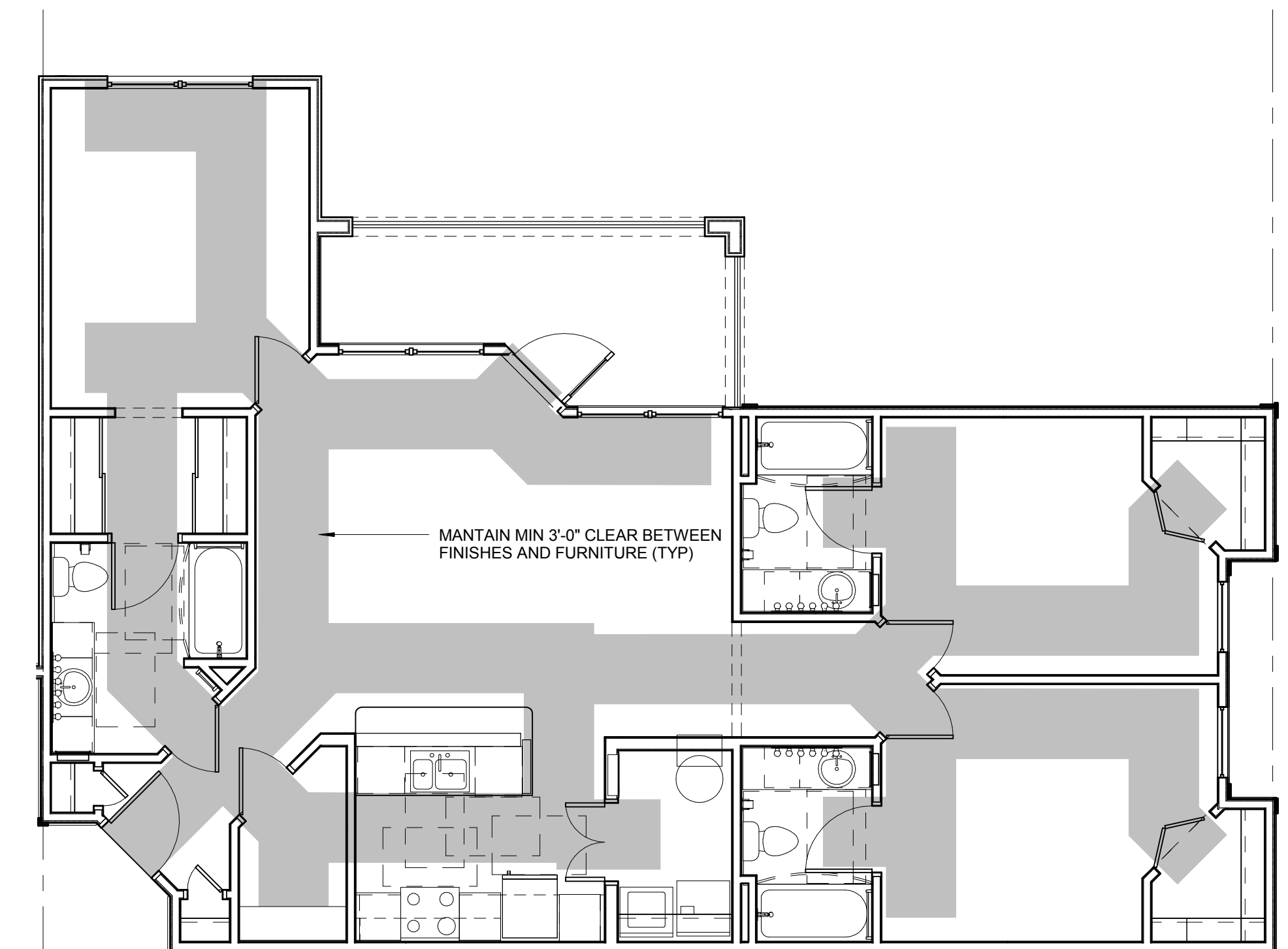
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A3.07

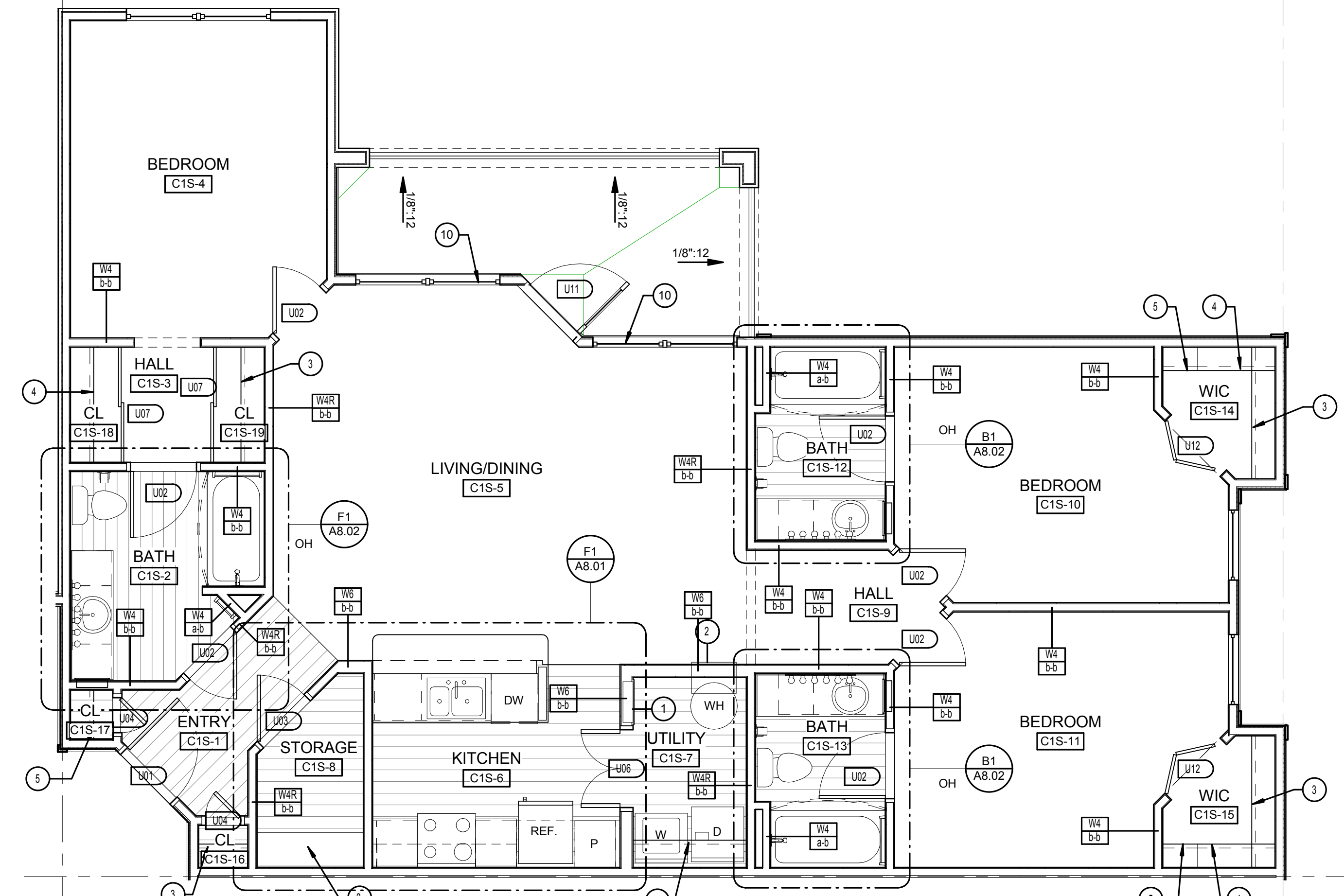
Drawn: FZ
Checked: PF
Approval: PF
Date: 04/29/2013
Project #: 5166.400

PATRICK D. FITCH
LICENSE # 103195

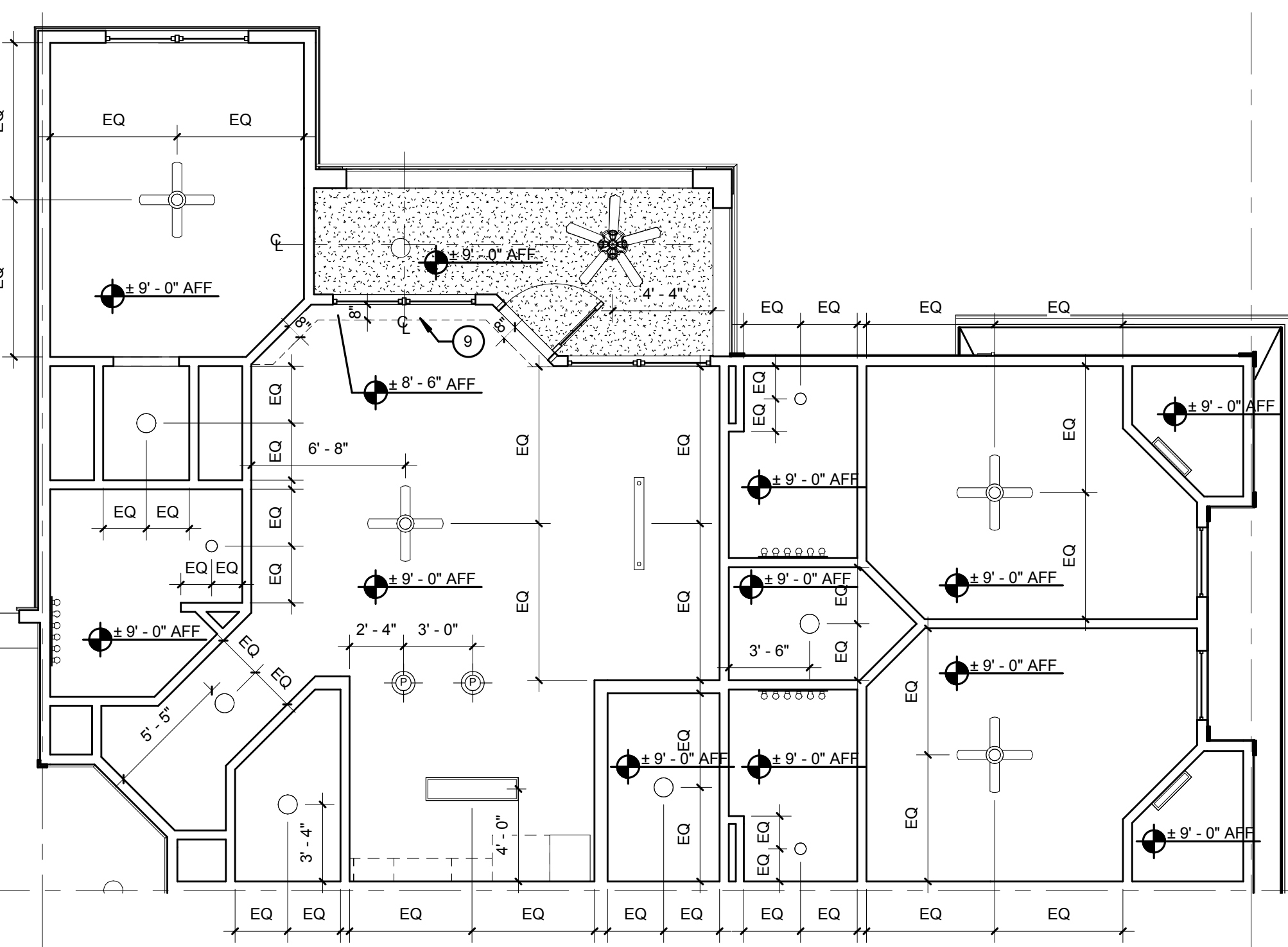
©: Documents and Settings\pfitz\Desktop\Revit
Project\5166-000\BRIDGEWAY APRTS_Cons\Broom.rvt PLOTTED: 6/4/2013 5:45:11 PM



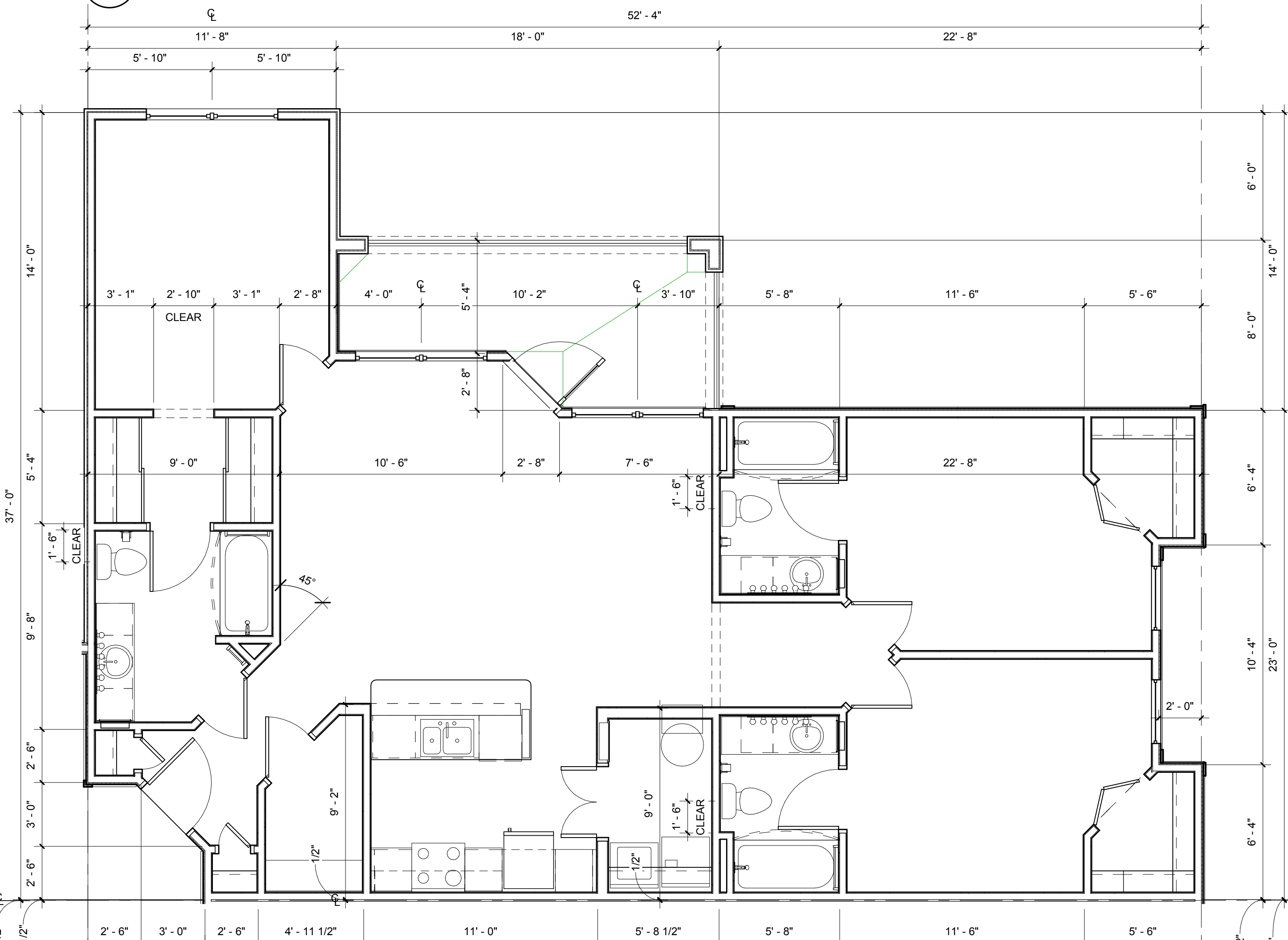
D1 UNIT C1-S - ACCESSIBLE ROUTE PLAN
3/16" = 1'-0"



D6 UNIT C1-S - REFERENCE PLAN
1/4" = 1'-0"



H1 UNIT C1-S - REFLECTED CEILING PLAN
3/16" = 1'-0"



H6 UNIT C1-S - DIMENSION PLAN
1/4" = 1'-0"

- NOTES:**
- A) 100% OF ALL GROUND UNITS SHALL MEET FAIR HOUSING REQUIREMENTS. ALL OPENINGS IN THESE UNITS SHALL BE MINIMUM 32" CLEAR
 - B) PROVIDE ONE 3A 40-B-C (5 lb) FIRE EXTINGUISHER PER APARTMENT. LOCATE PER FIRE DEPARTMENT REQUIREMENTS
 - C) PROVIDE LEVER HARDWARE AT ALL GROUND FLOOR UNITS PER FAIR HOUSING REQUIREMENTS
 - D) REFER TO BLDG. PLANS FOR EXTERIOR WALL TYPES

- LEGEND:**
- 1. ELECTRICAL PANEL. REFER TO ELECTRICAL DWGS.
 - 2. HVAC UNIT. SEE MECHANICAL DWGS.
 - 3. WIRE SHELF & POLE @ 6'-0" AFF
 - 4. WIRE SHELF @ 3'-0" AFF & 6'-0" AFF
 - 5. WIRE SHELF @ 3'-0", 5'-0" & 6'-0" AFF
 - 6. SHELF ABOVE W/D @ 5'-6" AFF
 - 7. WIRE SHELF & POLE @ 4'-6" AFF
 - 8. 18" LAMINATED COUNTERTOP AT 32" AFF
 - 9. INSULATED BULKHEAD FOR FIRE PROTECTION PIPING - COORDINATE REQUIREMENTS WITH ENGINEERED FIRE PROTECTION SHOP DRAWINGS
 - 10. TEMPERED GLASS
- ⊙ INTERIOR CEILING LIGHT
 - ⊕ EXTERIOR CEILING LIGHT
 - RECESSED LIGHT
 - ⊙ PENDANT LIGHT
 - ▭ TRACK LIGHT
 - ▭ WALL MOUNT FLUORESCENT LIGHT
 - ▭ FLUORESCENT LIGHT
 - ⊕ INTERIOR CEILING FAN W/LIGHT
 - ⊕ JUNCTION BOX FOR FUTURE EXTERIOR CEILING FAN W/LIGHT. EXT. CEILING LIGHT TO BE ADDED IN LIEU OF FAN
 - ▭ WALL MOUNT VANITY LIGHT
 - ▭ GYPSUM CEILING OVER RESILIENT CHANNELS
 - ▭ TEXTURED EXTERIOR 5/8" GYPSUM TYPE 'C' ON RESILIENT CHANNELS

ISSUE HISTORY

No.	Date	Description
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REVISION HISTORY

No.	Date	Description

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PLLC

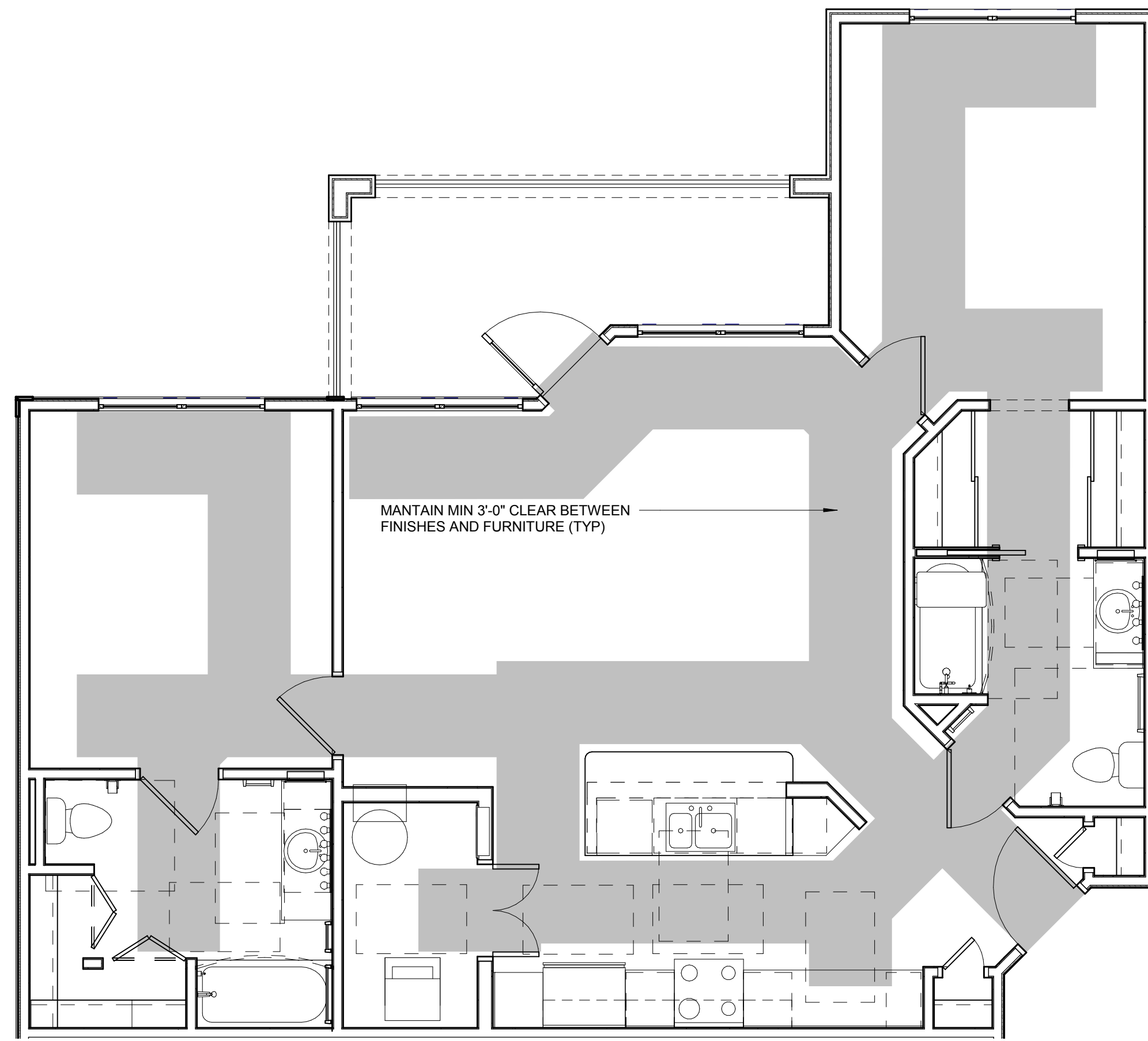
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

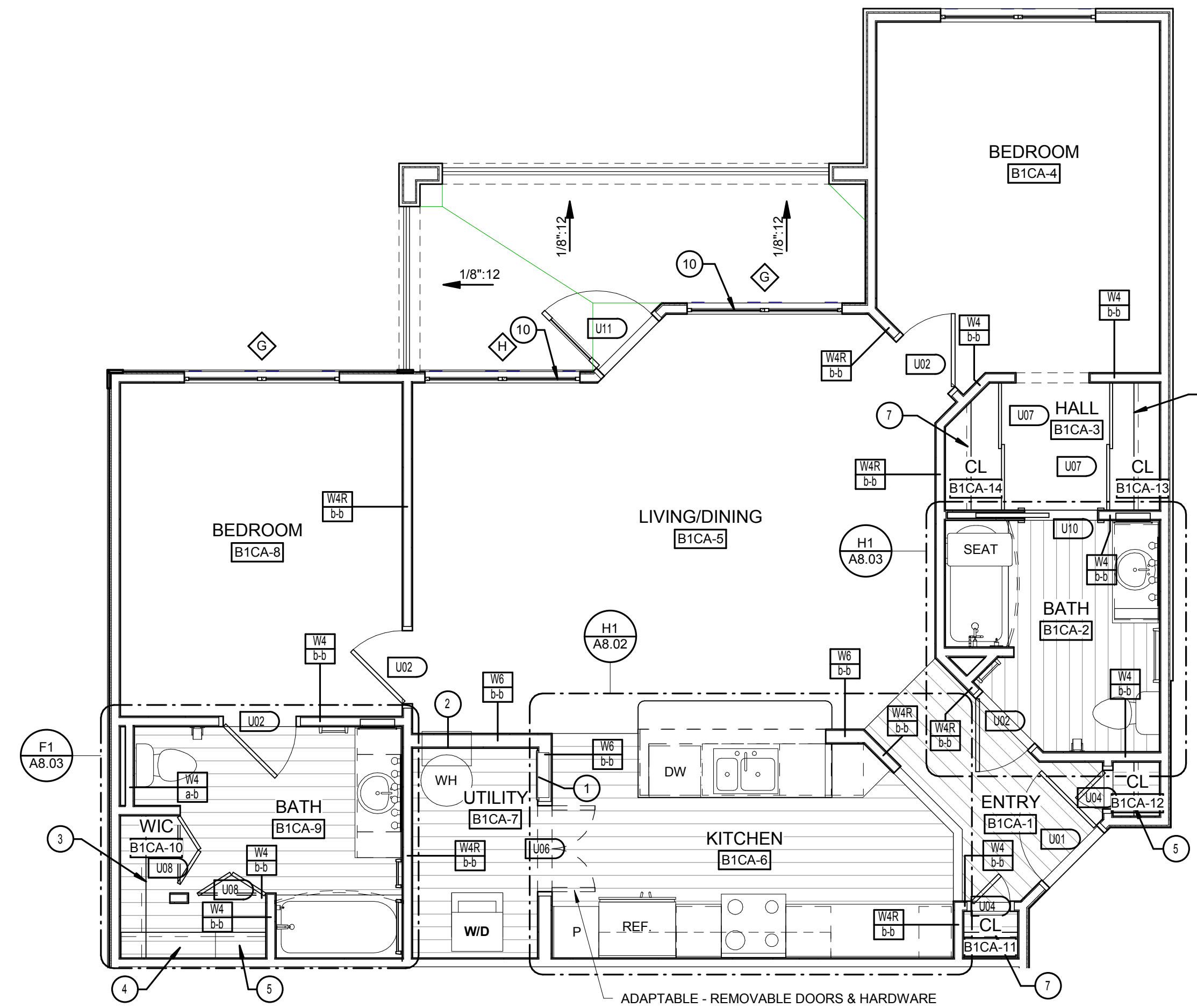
UNIT TYPE C1-S

A3.09

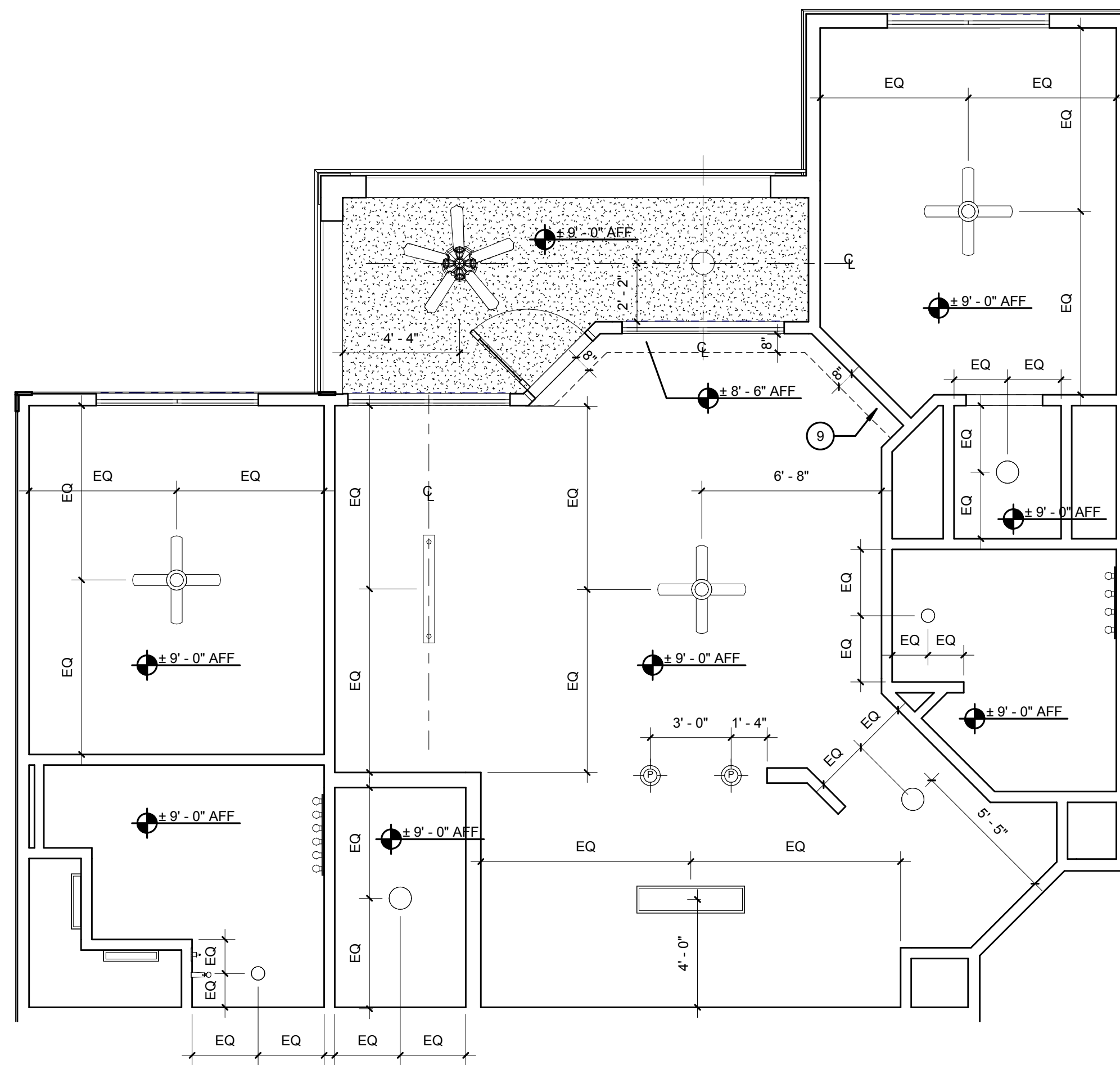
PATRICK D. FITCH
LICENSE # 103195



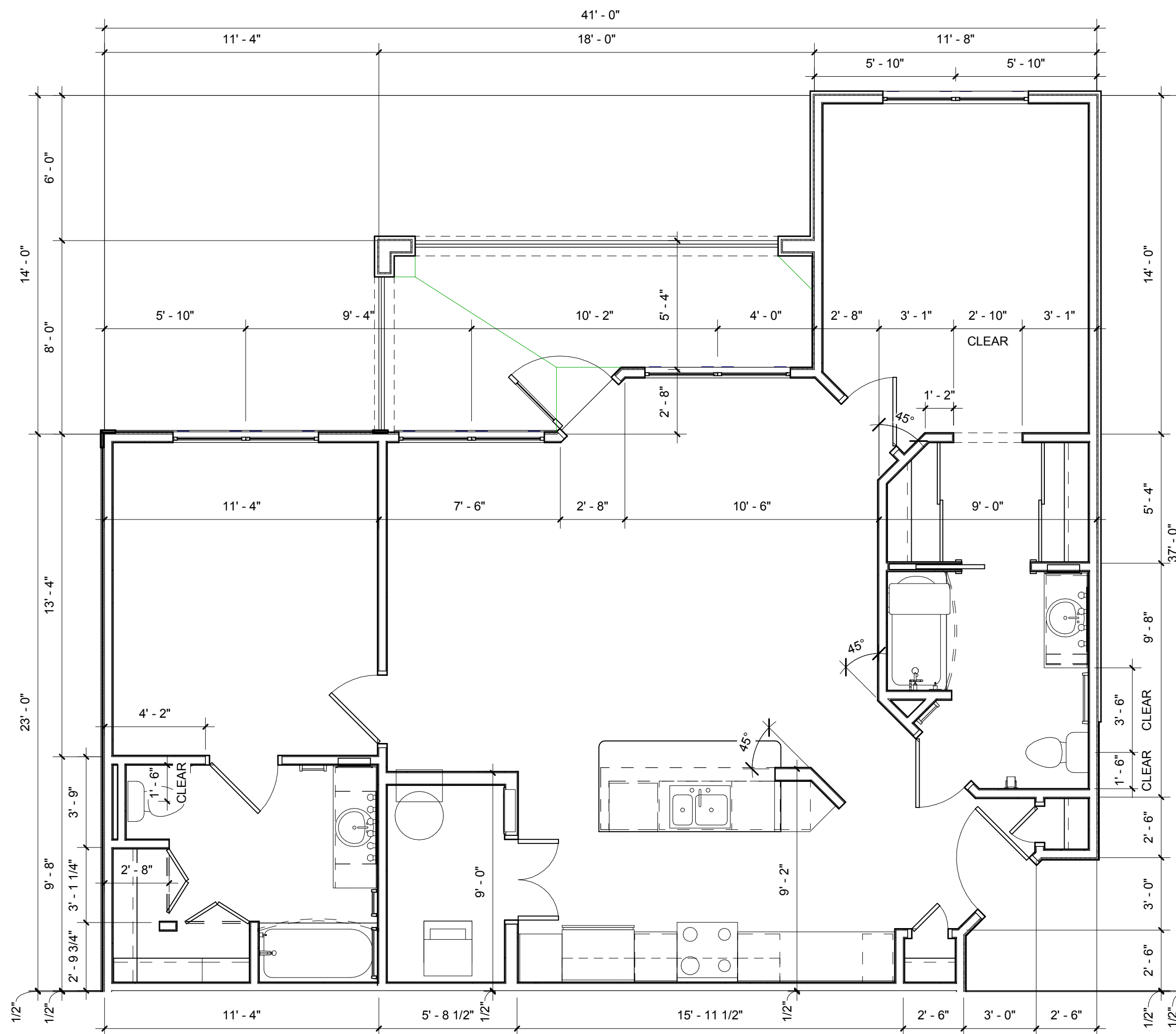
D2 UNIT B1-C ANSI TYPE 'A' - ACCESSIBLE ROUTE PLAN
1/4" = 1'-0"



D7 UNIT B1-C ANSI TYPE 'A' - REFERENCE PLAN
1/4" = 1'-0"



H2 UNIT B1-C ANSI TYPE 'A' - REFLECTED CEILING PLAN
1/4" = 1'-0"



H7 UNIT B1-C ANSI TYPE 'A' - DIMENSION PLAN
1/4" = 1'-0"

NOTES:

- A) 100% OF ALL GROUND UNITS SHALL MEET FAIR HOUSING REQUIREMENTS. ALL OPENINGS IN THESE UNITS SHALL BE MINIMUM 32" CLEAR
- B) PROVIDE ONE 3A-40-B:C (5 lb) FIRE EXTINGUISHER PER APARTMENT. LOCATE PER FIRE DEPARTMENT REQUIREMENTS
- C) PROVIDE LEVER HARDWARE AT ALL GROUND FLOOR UNITS PER FAIR HOUSING REQUIREMENTS
- D) REFER TO BLDG. PLANS FOR EXTERIOR WALL TYPES

LEGEND: (XX)

- 1. ELECTRICAL PANEL. REFER TO ELECTRICAL DWGS.
- 2. HVAC UNIT. SEE MECHANICAL DWGS.
- 3. WIRE SHELF & POLE @ 6'-0" AFF
- 4. WIRE SHELF @ 3'-0" AFF & 6'-0" AFF
- 5. WIRE SHELF @ 3'-0", 5'-0" & 6'-0" AFF
- 6. SHELF ABOVE W/D @ 5'-6" AFF
- 7. WIRE SHELF & POLE @ 4'-6" AFF
- 8. 18" LAMINATED COUNTERTOP AT 32" AFF
- 9. INSULATED BULKHEAD FOR FIRE PROTECTION PIPING - COORDINATE REQUIREMENTS WITH ENGINEERED FIRE PROTECTION SHOP DRAWINGS
- 10. TEMPERED GLASS

- (C) INTERIOR CEILING LIGHT
- (E) EXTERIOR CEILING LIGHT
- (R) RECESSED LIGHT
- (P) PENDANT LIGHT
- (T) TRACK LIGHT
- (W) WALL MOUNT FLUORESCENT LIGHT
- (F) FLUORESCENT LIGHT
- (V) INTERIOR CEILING FAN W/LIGHT
- (J) JUNCTION BOX FOR FUTURE EXTERIOR CEILING FAN W/LIGHT. EXT. CEILING LIGHT TO BE ADDED IN LIEU OF FAN
- (WV) WALL MOUNT VANITY LIGHT
- (G) GYPSUM CEILING OVER RESILIENT CHANNELS
- (T) TEXTURED EXTERIOR 5/8" GYPSUM TYPE 'C' ON RESILIENT CHANNELS

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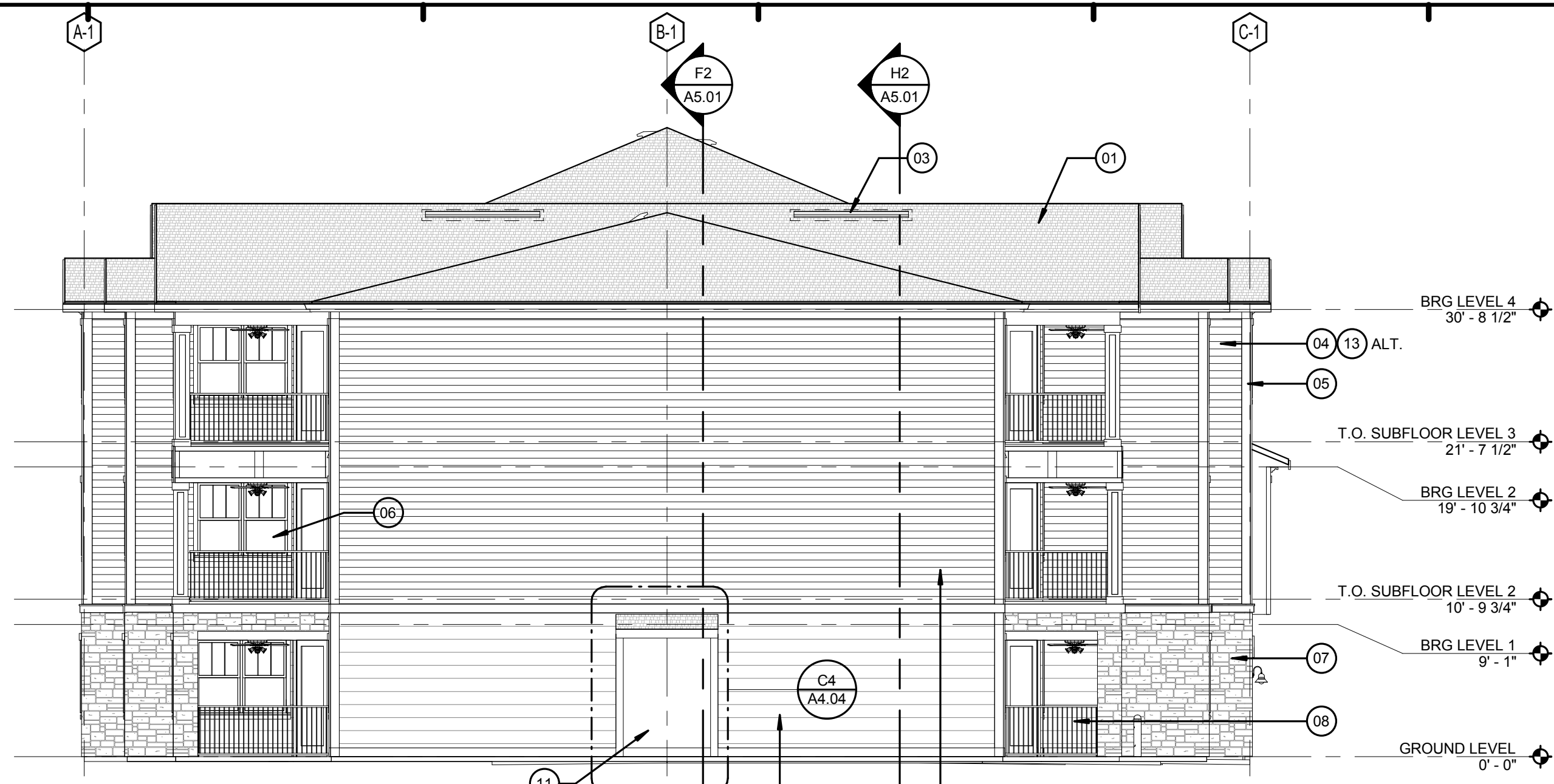
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

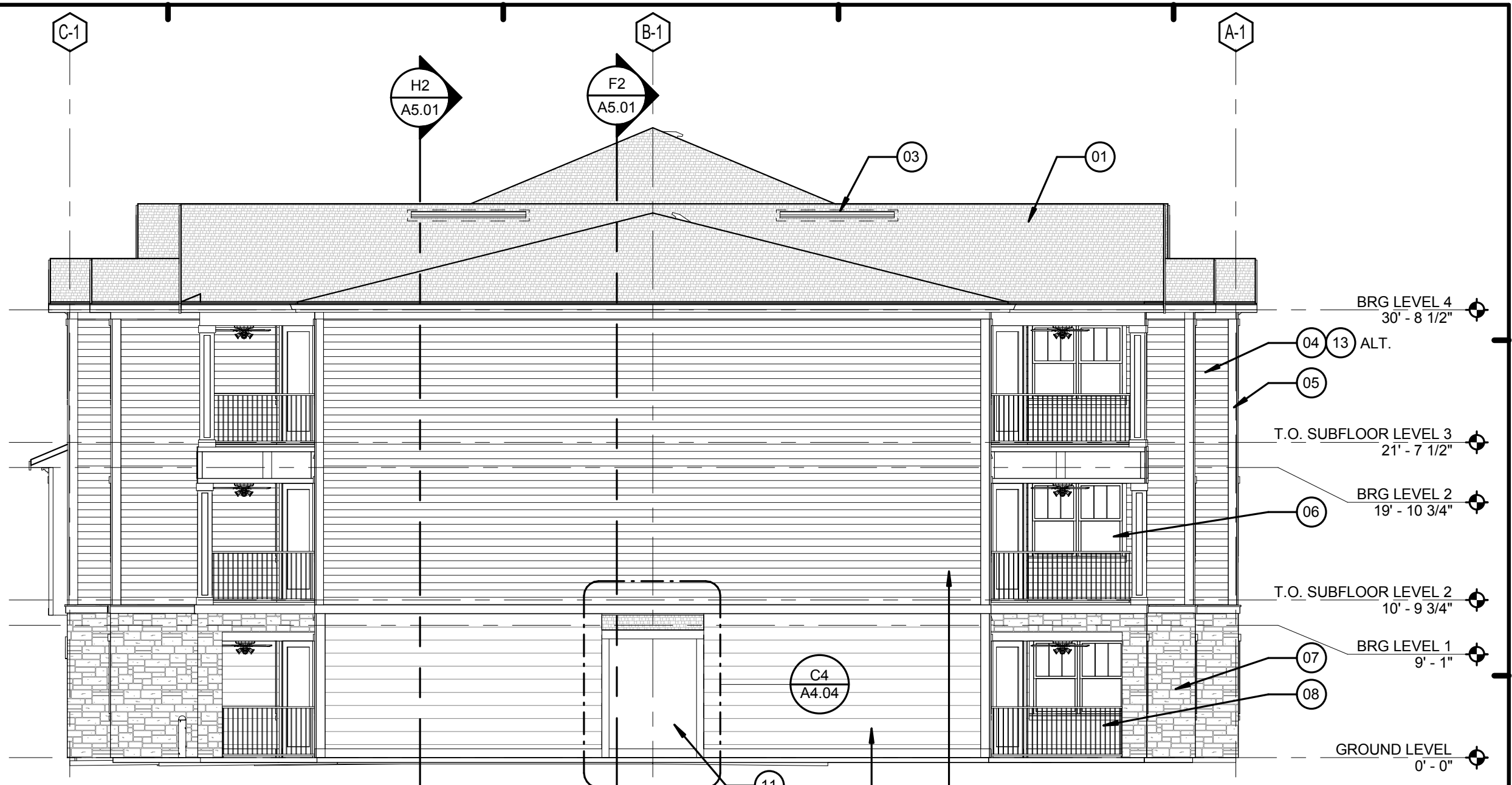
UNIT TYPE B1-C - ANSI TYPE 'A'

A3.11

PATRICK D. FITCH
LICENSE # 103195



C2 BUILDING TYPE 1 - LEFT SIDE ELEVATION
1/8" = 1'-0"
SEE SHEET A4.04 FOR BUILDING #7



C6 BUILDING TYPE 1 - RIGHT SIDE ELEVATION
1/8" = 1'-0"
SEE SHEET A4.04 FOR BUILDING #1



F2 BUILDING TYPE 1 - REAR ELEVATION
1/8" = 1'-0"



H2 BUILDING TYPE 1 - FRONT ELEVATION
1/8" = 1'-0"

LEGEND:

- 01. ASPHALT ROOF SHINGLES - RE: SPECS
- 02. VINYL SHINGLE PATTERN SIDING
- 03. OFF RIDGE VENT. PAINT TO MATCH ROOF
- 04. FIBER CEMENT LAP SIDING - RE: SPECS
- 05. FIBER CEMENT TRIM
- 06. VINYL WINDOWS
- 07. CAST STONE VENEER - RE: SPECS
- 08. ALUMINUM RAILING - RE: SPECS
- 09. LIGHTED BUILDING NUMBER SIGN
- 10. BRACKET - BASIS OF DESIGN CHEMCREST WB1100
- 11. METER BANK LOCATION (REFER TO ARCH. SITE PLAN FOR LOCATION ON BLDG TYPE 1)
- 12. DRYER / EXHAUST FAN VENT
- 13. VINYL SIDING (ALT.), RE: SPECS.
- 14. FIBER CEMENT SHINGLE SIDING.

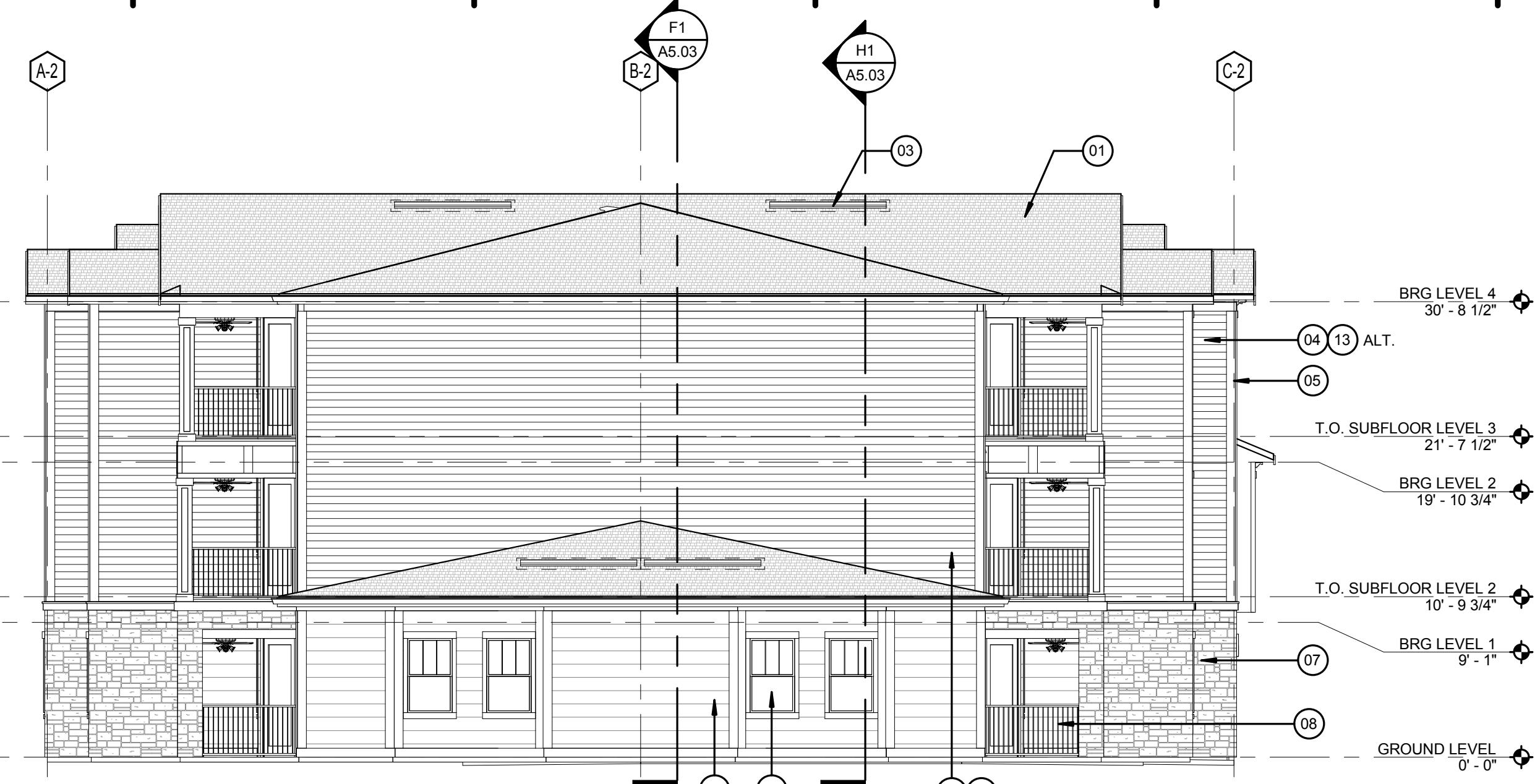
BUILDING NUMBER	1
TYPE	1
ADDRESS	[2495] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	3
TYPE	1
ADDRESS	[2479] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	4
TYPE	1
ADDRESS	[2471] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	5
TYPE	1
ADDRESS	[2463] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	6
TYPE	1
ADDRESS	[2455] BRIDGE CIRCLE
PERMIT #	TBD
BUILDING NUMBER	9
TYPE	1
ADDRESS	[2431] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description


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BRIDGEWAY APARTMENTS		Drawn: FZ
CHATTANOOGA, TN		Checked: PF
BUILDING TYPE 1 - ELEVATIONS		Approval: PF
A4.01		Date: 04/29/2013
PATRICK D. FITCH LICENSE # 103195		Project #: 5166.400



C1 BUILDING TYPE 2 - LEFT SIDE ELEVATION
1/8" = 1'-0"



C6 BUILDING TYPE 2 - RIGHT SIDE ELEVATION
1/8" = 1'-0"



F1 BUILDING TYPE 2 - REAR ELEVATION
1/8" = 1'-0"



H1 BUILDING TYPE 2 - FRONT ELEVATION
1/8" = 1'-0"

LEGEND:

- 01. ASPHALT ROOF SHINGLES - RE: SPECS
- 02. VINYL SHINGLE PATTERN SIDING
- 03. OFF RIDGE VENT, PAINT TO MATCH ROOF
- 04. FIBER CEMENT LAP SIDING - RE: SPECS
- 05. FIBER CEMENT TRIM
- 06. VINYL WINDOWS
- 07. CAST STONE VENEER - RE: SPECS
- 08. ALUMINUM RAILING - RE: SPECS
- 09. LIGHTED BUILDING NUMBER SIGN
- 10. BRACKET - BASIS OF DESIGN CHEMCREST WB1100
- 11. METER BANK LOCATION (REFER TO ARCH. SITE PLAN FOR LOCATION ON BLDG TYPE 1)
- 12. DRYER / EXHAUST FAN VENT
- 13. VINYL SIDING (ALT.), RE: SPECS.
- 14. FIBER CEMENT SHINGLE SIDING.

BUILDING NUMBER	8
TYPE	2
ADDRESS	[2439] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	10
TYPE	2
ADDRESS	[2423] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

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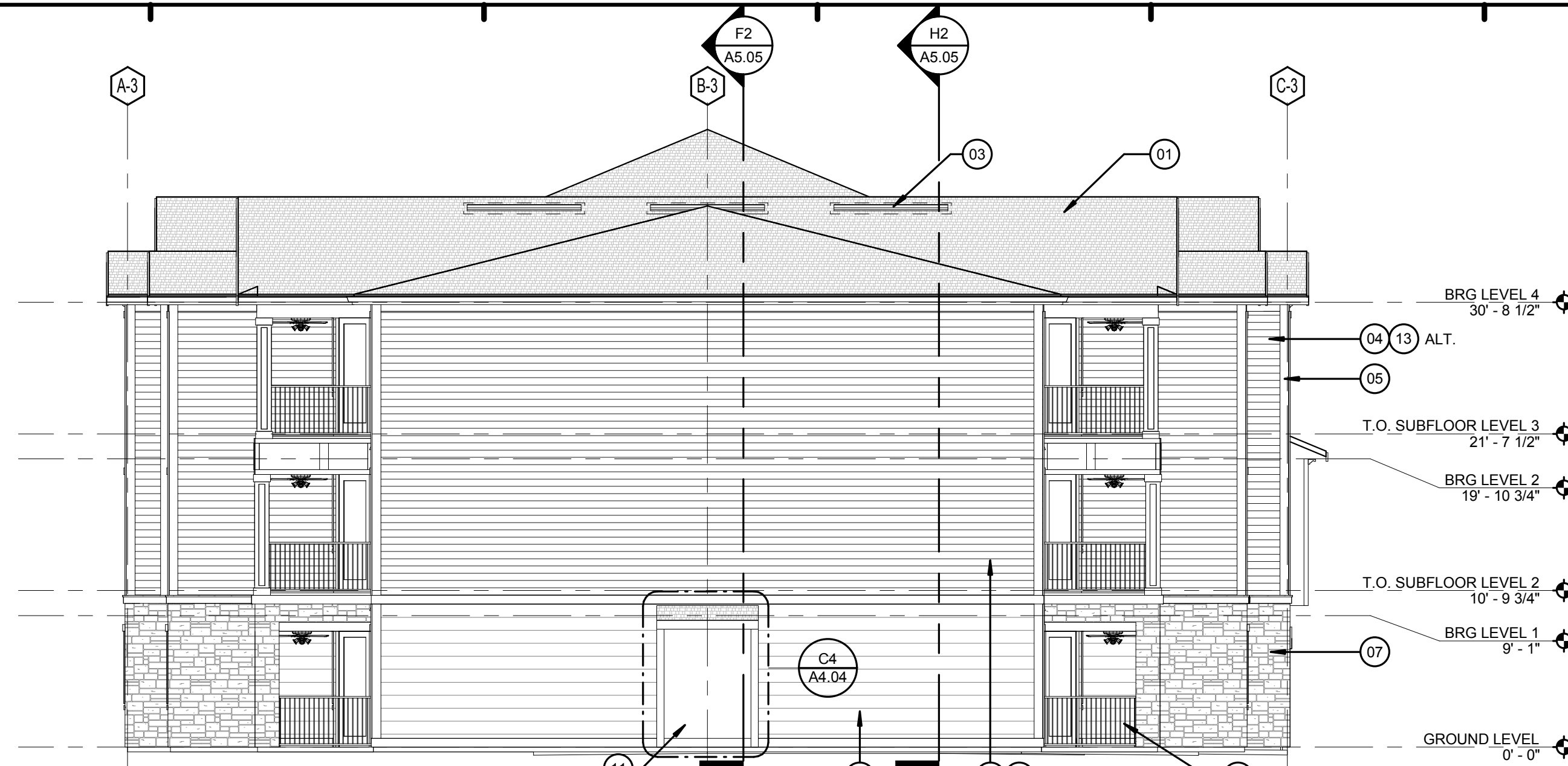
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 2 - ELEVATIONS

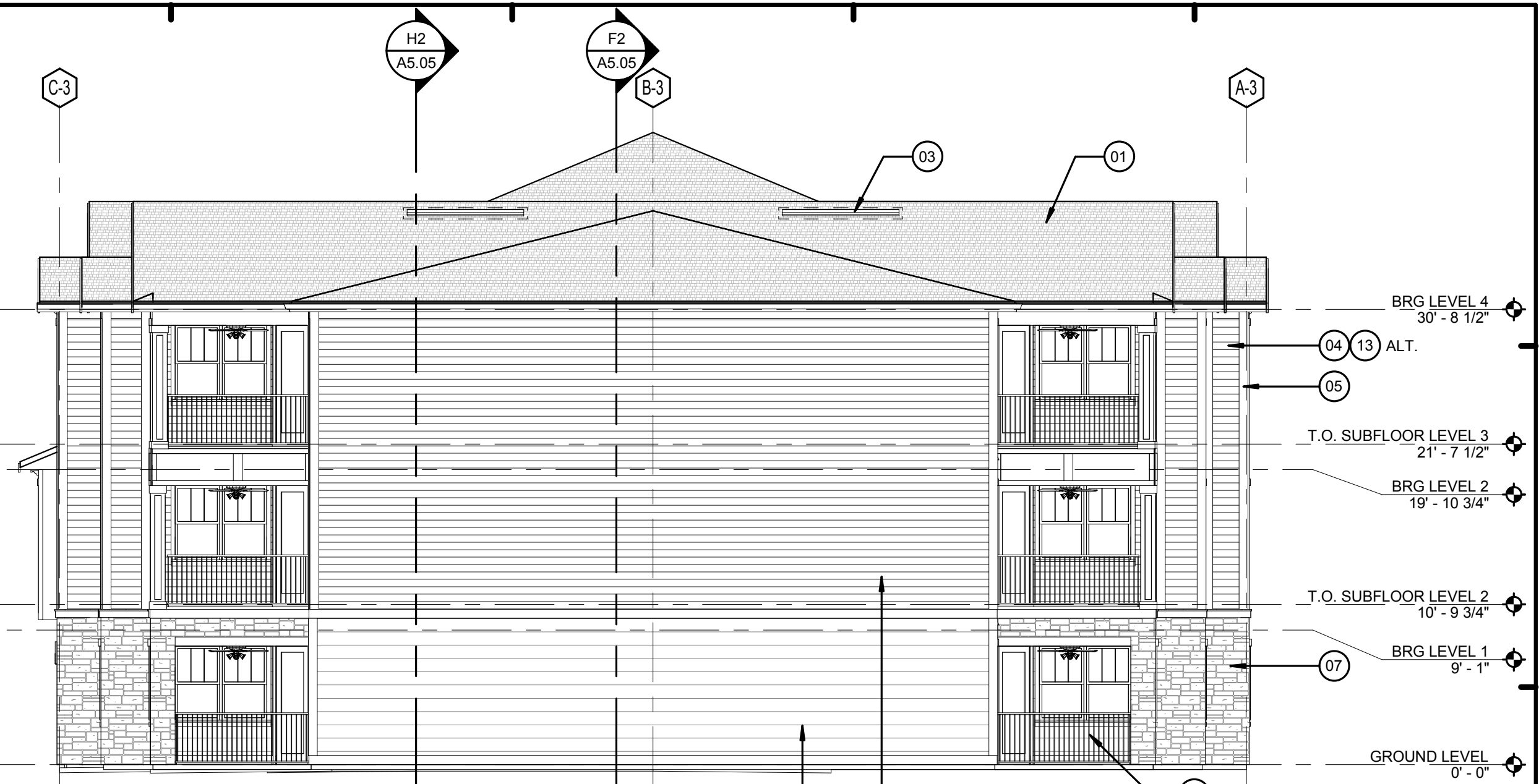
Drawn: FZ
Checked: PF
Approval: PF
Date: 04/29/2013
Project #: 5166.400

A4.02

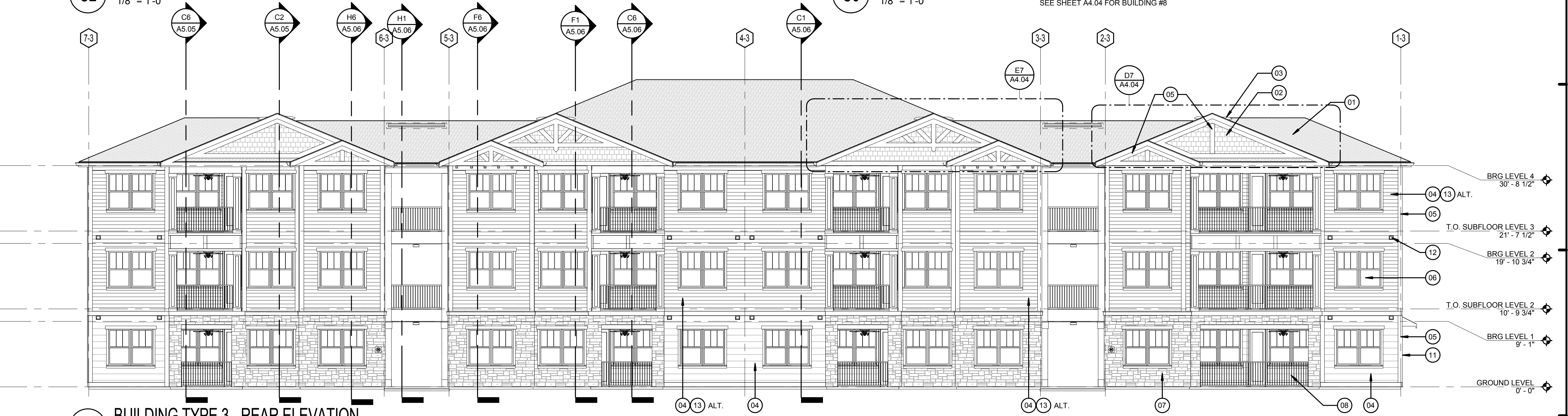
PATRICK D. FITCH
LICENSE # 103195



C2 BUILDING TYPE 3 - LEFT SIDE ELEVATION
1/8" = 1'-0"



C6 BUILDING TYPE 3 - RIGHT SIDE ELEVATION
1/8" = 1'-0"
SEE SHEET A4.04 FOR BUILDING #8



F2 BUILDING TYPE 3 - REAR ELEVATION
1/8" = 1'-0"



H2 BUILDING TYPE 3 - FRONT ELEVATION
1/8" = 1'-0"

LEGEND:

- 01. ASPHALT ROOF SHINGLES - RE. SPECS
- 02. VINYL SHINGLE PATTERN SIDING
- 03. OFF RIDGE VENT. PAINT TO MATCH ROOF
- 04. FIBER CEMENT LAP SIDING - RE. SPECS
- 05. FIBER CEMENT TRIM
- 06. VINYL WINDOWS
- 07. CAST STONE VENEER - RE. SPECS
- 08. ALUMINUM RAILINGS - RE. SPECS
- 09. LIGHTED BUILDING NUMBER SIGN
- 10. BRACKET - BASIS OF DESIGN CHEMCREST WB1100
- 11. METER BANK LOCATION (REFER TO ARCH. SITE PLAN FOR LOCATION ON BLDG TYPE 1)
- 12. DRYER / EXHAUST FAN VENT
- 13. VINYL SIDING (ALT.), RE. SPECS.
- 14. FIBER CEMENT SHINGLE SIDING.

BUILDING NUMBER	2
TYPE	3
ADDRESS	[2487] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	7
TYPE	3
ADDRESS	[2447] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

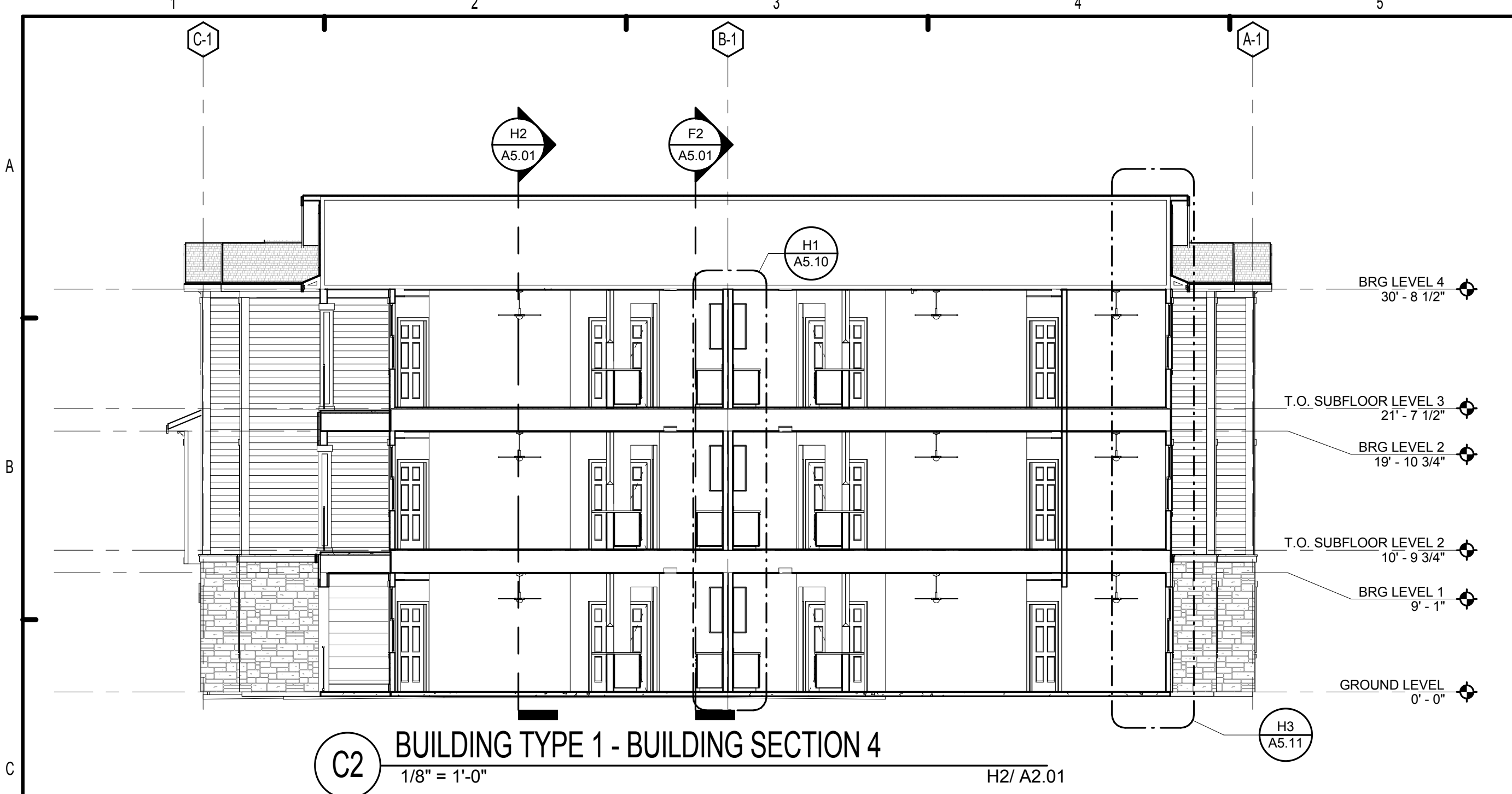
No.	Date	Description

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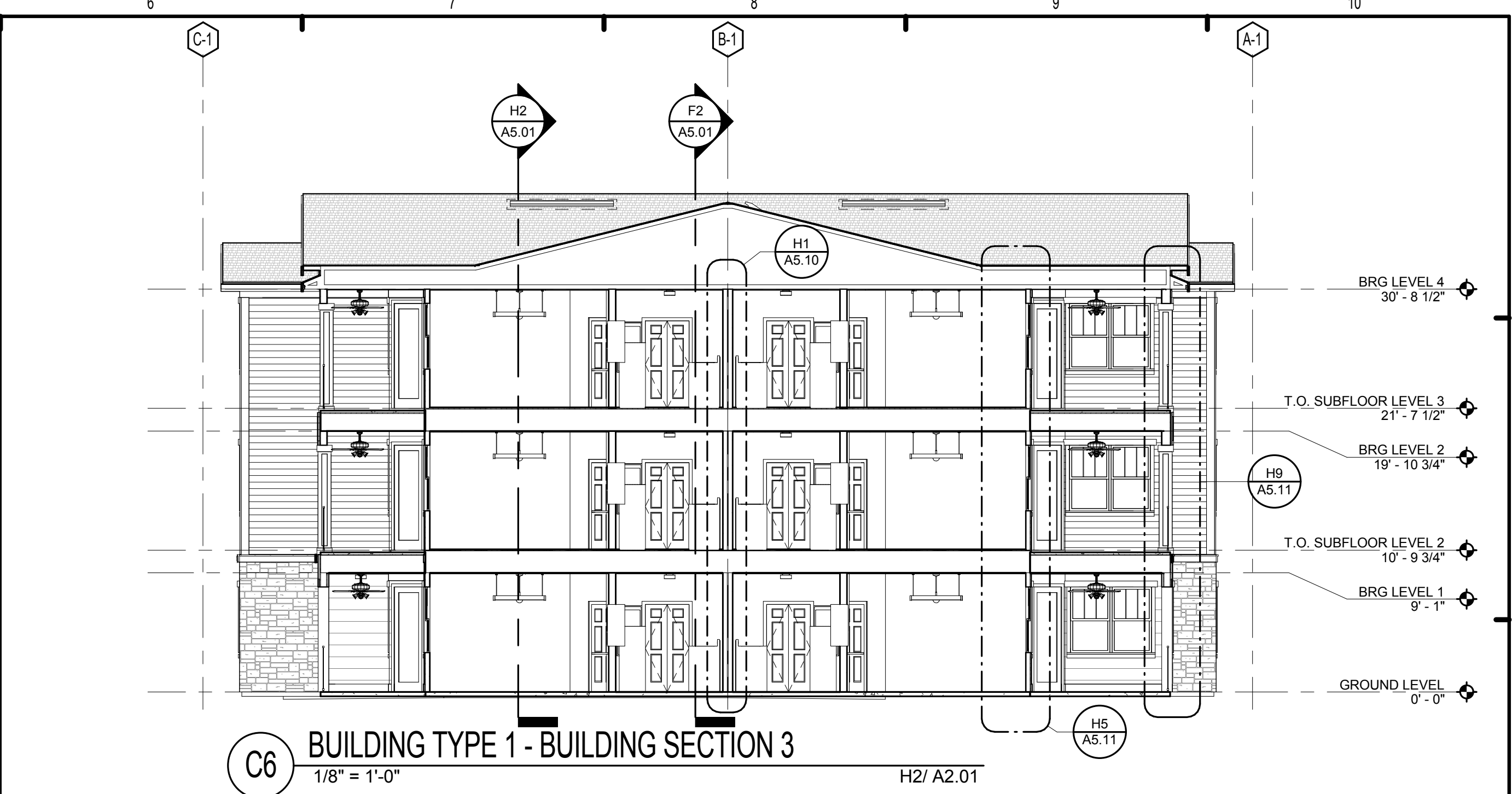
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 3 - ELEVATIONS A4.03

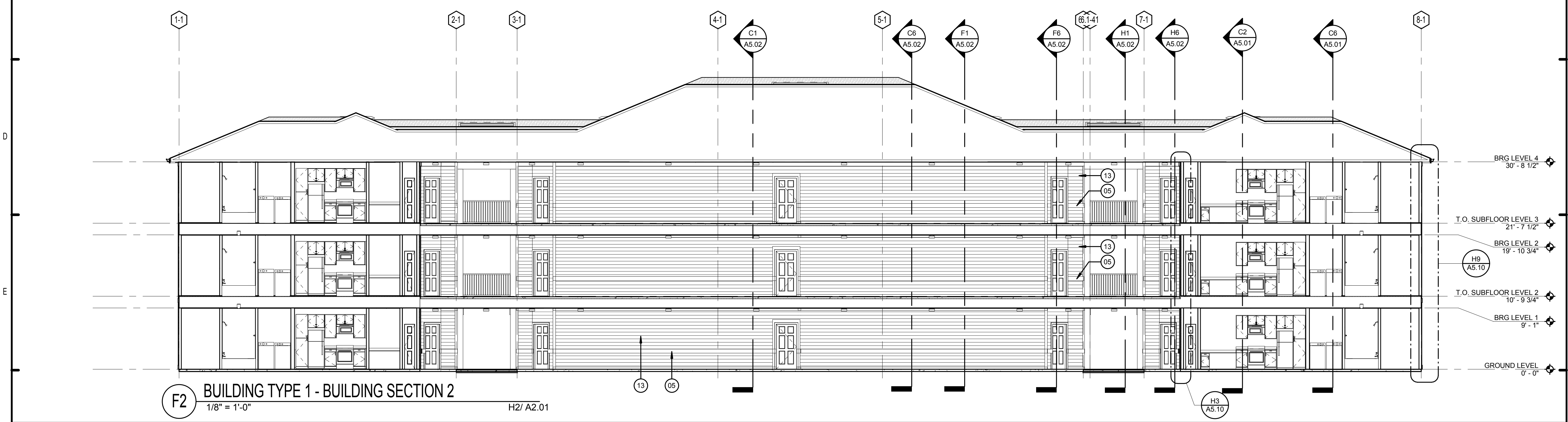
PATRICK D. FITCH
LICENSE # 103195



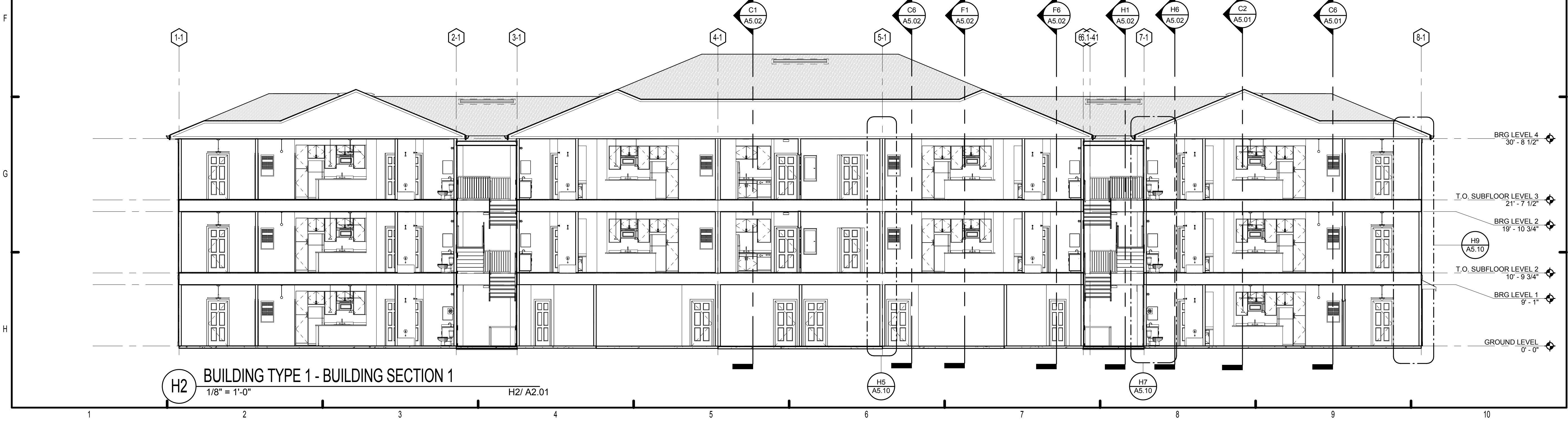
C2 BUILDING TYPE 1 - BUILDING SECTION 4
1/8" = 1'-0"



C6 BUILDING TYPE 1 - BUILDING SECTION 3
1/8" = 1'-0"



F2 BUILDING TYPE 1 - BUILDING SECTION 2
1/8" = 1'-0"



H2 BUILDING TYPE 1 - BUILDING SECTION 1
1/8" = 1'-0"

LEGEND:

- 01. ASPHALT ROOF SHINGLES - RE: SPECS
- 02. VINYL SHINGLE PATTERN SIDING
- 03. OFF RIDGE VENT, PAINT TO MATCH ROOF
- 04. FIBER CEMENT LAP SIDING - RE: SPECS
- 05. FIBER CEMENT TRIM
- 06. VINYL WINDOWS
- 07. CAST STONE VENEER - RE: SPECS
- 08. ALUMINUM RAILING - RE: SPECS
- 09. LIGHTED BUILDING NUMBER SIGN
- 10. BRACKET - BASIS OF DESIGN CHEMCREST WB1100
- 11. METER BANK LOCATION (REFER TO ARCH. SITE PLAN FOR LOCATION ON BLDG TYPE 1)
- 12. DRYER / EXHAUST FAN VENT
- 13. VINYL SIDING (ALT.), RE. SPECS.
- 14. FIBER CEMENT SHINGLE SIDING.

BUILDING NUMBER	1
TYPE	1
ADDRESS	[2495] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	3
TYPE	1
ADDRESS	[2479] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	4
TYPE	1
ADDRESS	[2471] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	5
TYPE	1
ADDRESS	[2463] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	6
TYPE	1
ADDRESS	[2455] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	9
TYPE	1
ADDRESS	[2431] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY		
No.	Date	Description
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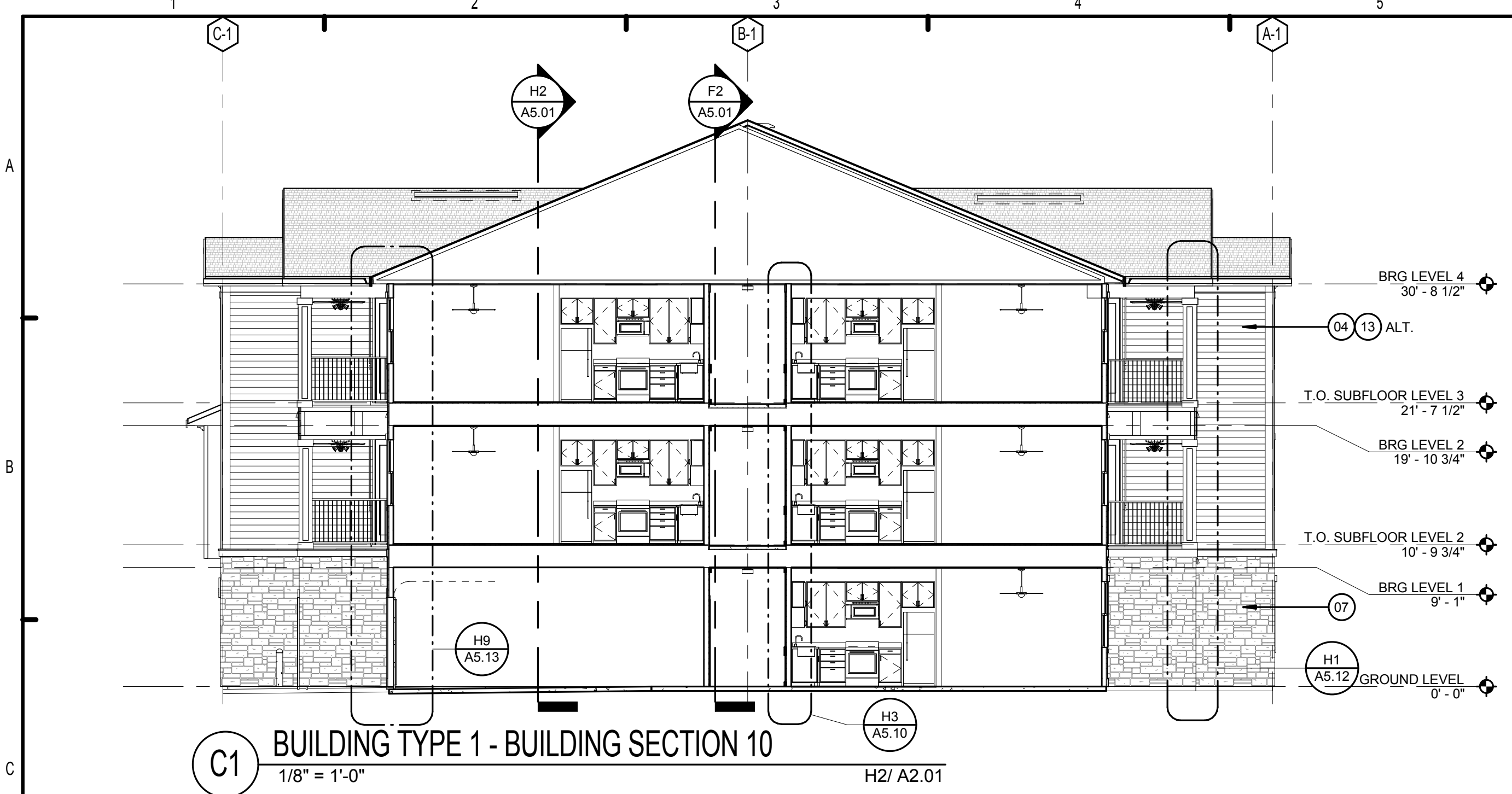
REVISION HISTORY		
No.	Date	Description


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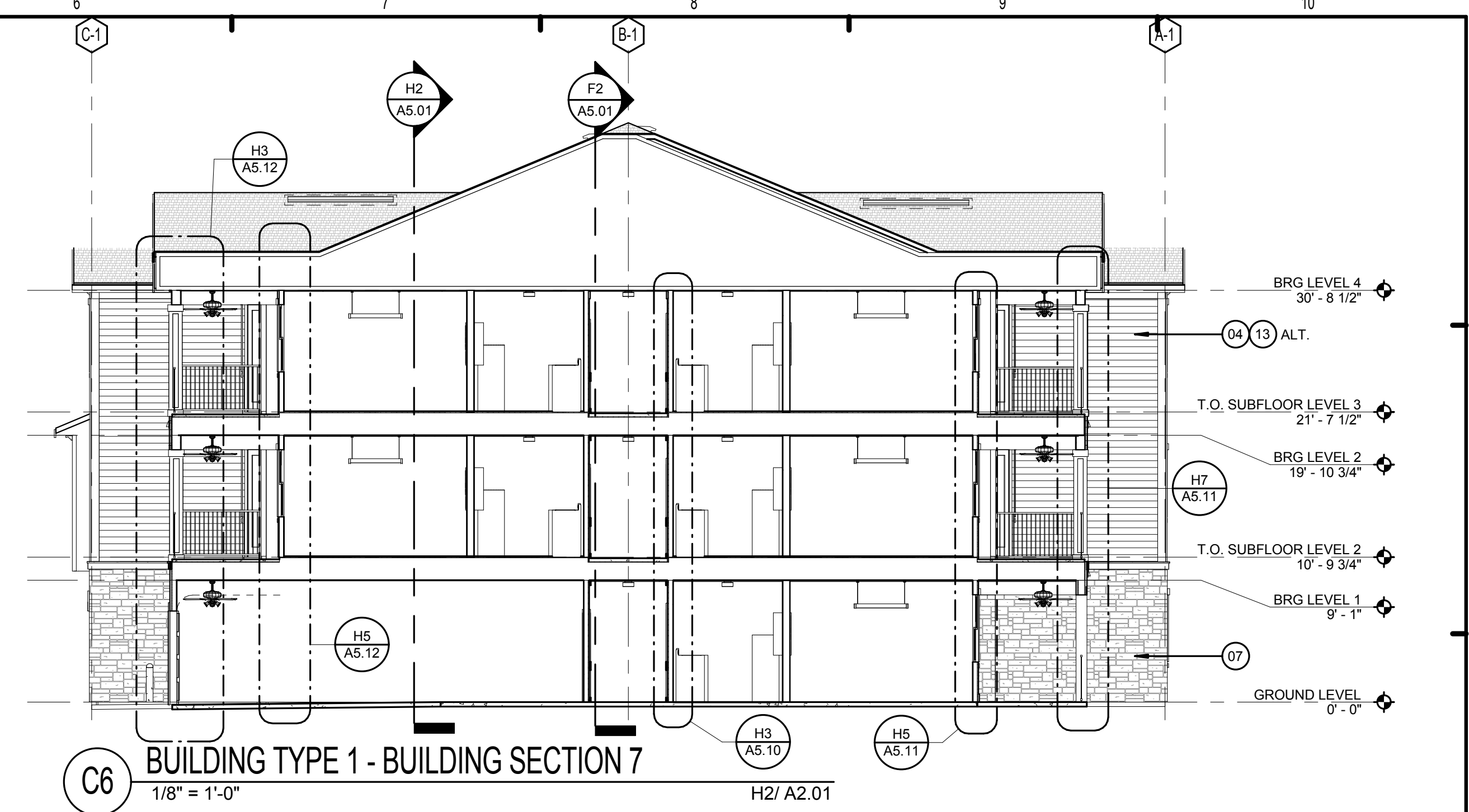
BRIDGEWAY APARTMENTS CHATTANOOGA, TN		Drawn: FZ Checked: PF Approval: PF Date: 04/29/2013 Project #: 5166.400
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BUILDING TYPE 1 - BLDG SECTIONS - BLDGS. #1,4,5&7	A5.01
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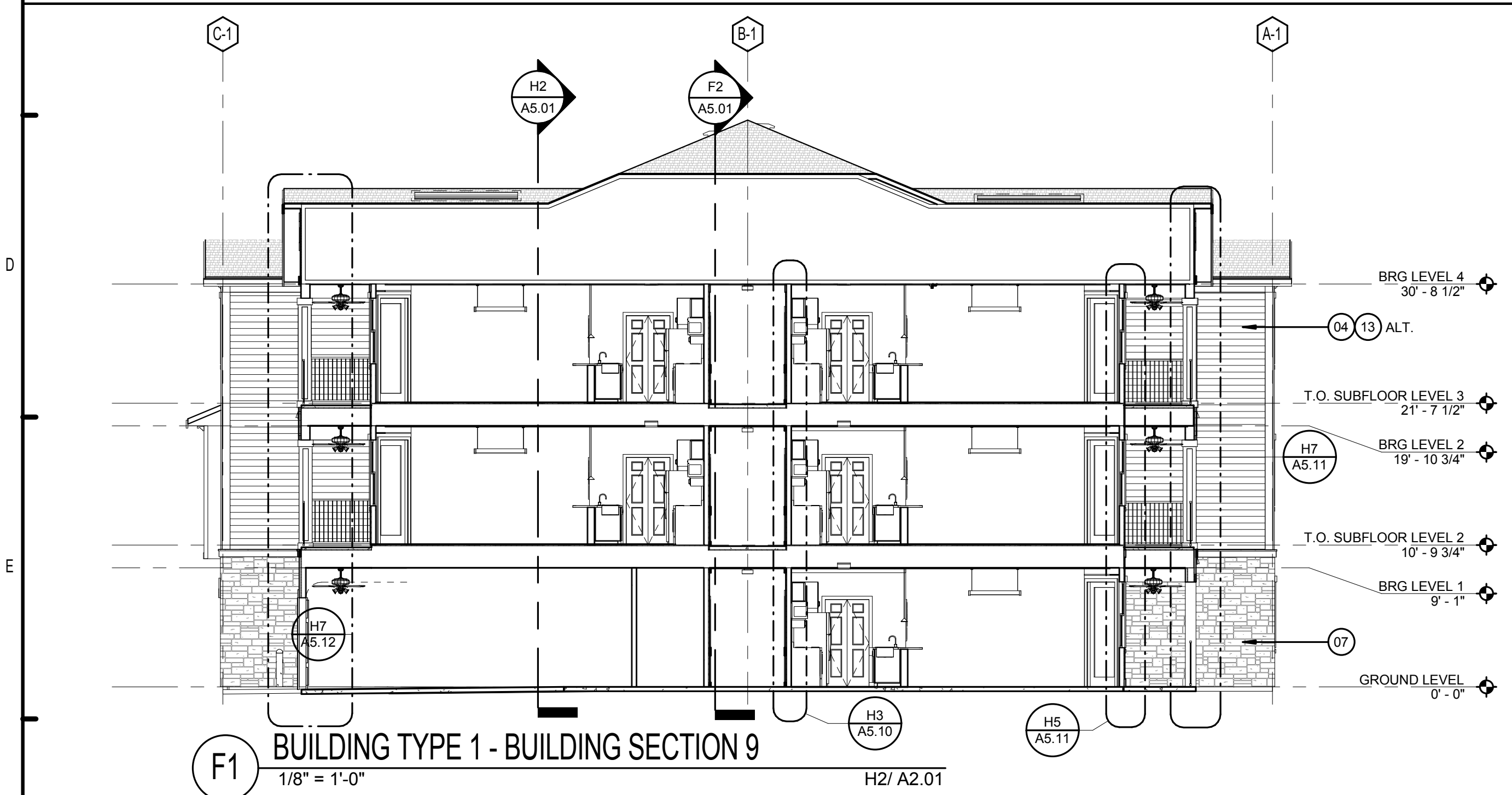
PATRICK D. FITCH LICENSE # 103195



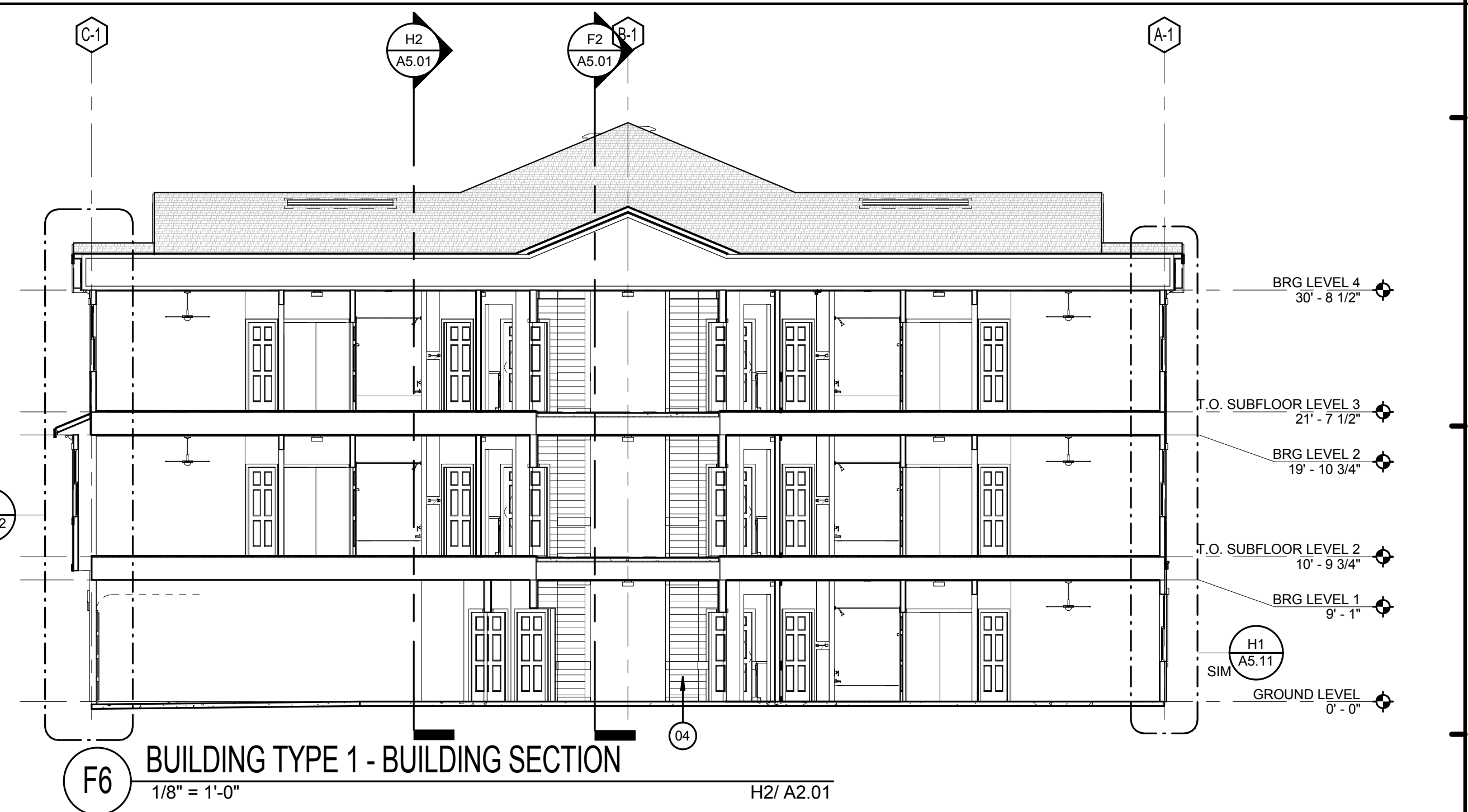
C1 BUILDING TYPE 1 - BUILDING SECTION 10
1/8" = 1'-0" H2/ A2.01



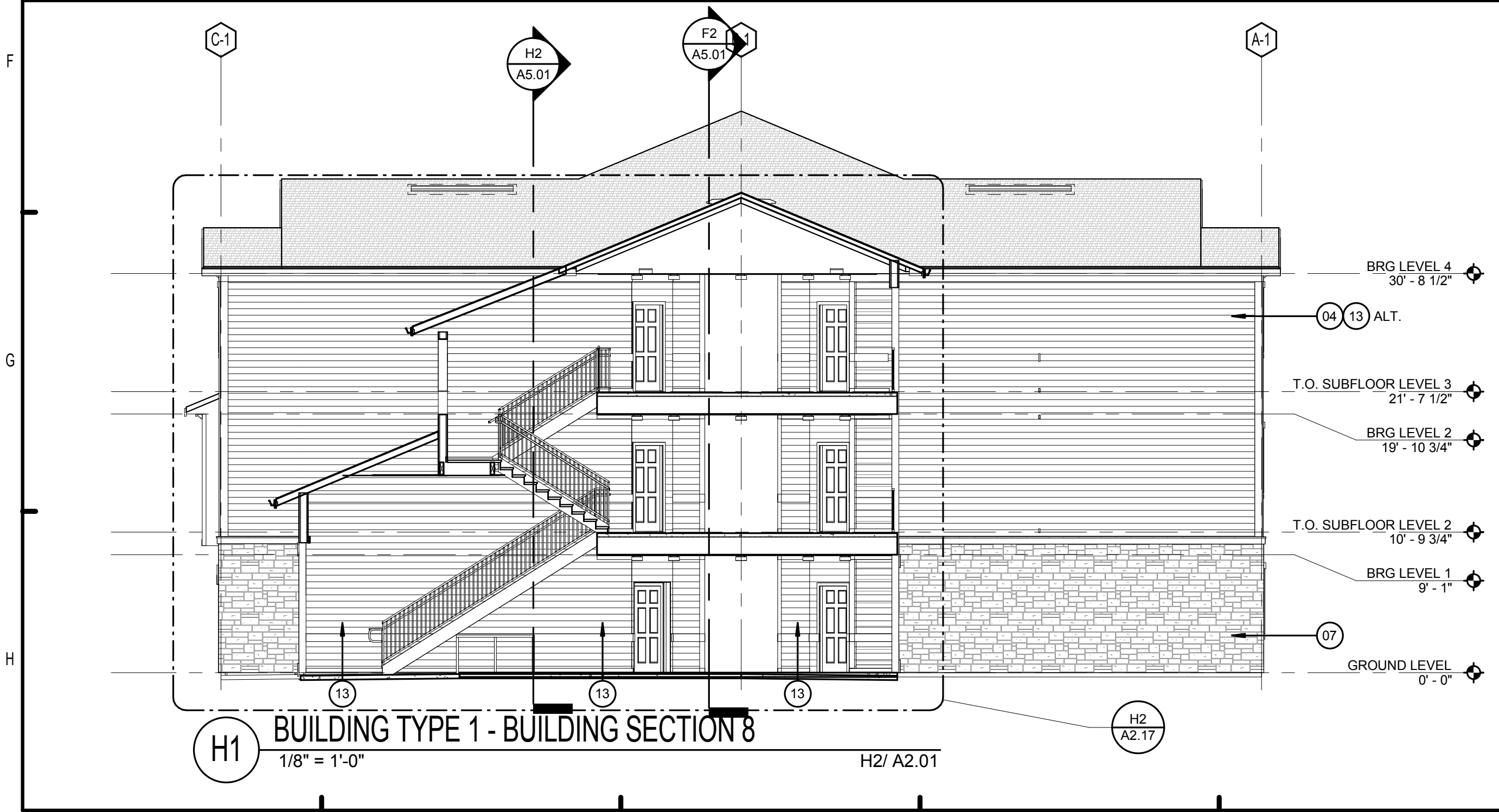
C6 BUILDING TYPE 1 - BUILDING SECTION 7
1/8" = 1'-0" H2/ A2.01



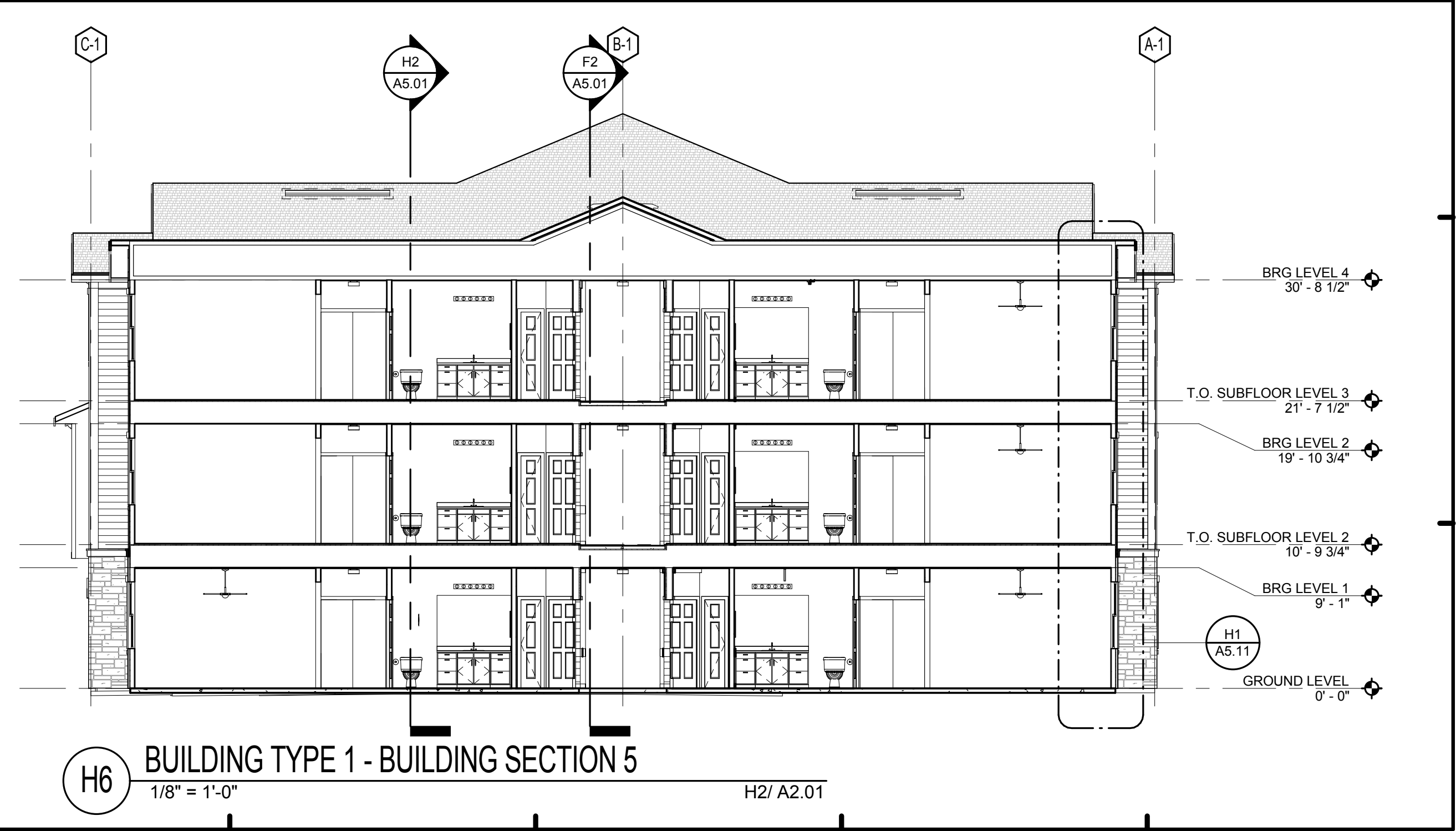
F1 BUILDING TYPE 1 - BUILDING SECTION 9
1/8" = 1'-0" H2/ A2.01



F6 BUILDING TYPE 1 - BUILDING SECTION
1/8" = 1'-0" H2/ A2.01



H1 BUILDING TYPE 1 - BUILDING SECTION 8
1/8" = 1'-0" H2/ A2.01



H6 BUILDING TYPE 1 - BUILDING SECTION 5
1/8" = 1'-0" H2/ A2.01

LEGEND:

- 01. ASPHALT ROOF SHINGLES - RE. SPECS
- 02. VINYL SHINGLE PATTERN SIDING
- 03. OFF RIDGE VENT. PAINT TO MATCH ROOF
- 04. FIBER CEMENT LAP SIDING - RE. SPECS
- 05. FIBER CEMENT TRIM
- 06. VINYL WINDOWS
- 07. CAST STONE VENEER - RE. SPECS
- 08. ALUMINUM RAILING - RE. SPECS
- 09. LIGHTED BUILDING NUMBER SIGN
- 10. BRACKET - BASIS OF DESIGN CHEMCREST WB1100
- 11. METER BANK LOCATION (REFER TO ARCH. SITE PLAN FOR LOCATION ON BLDG TYPE 1)
- 12. DRYER / EXHAUST FAN VENT
- 13. VINYL SIDING (ALT.), RE. SPECS.
- 14. FIBER CEMENT SHINGLE SIDING.

BUILDING NUMBER	1
TYPE	1
ADDRESS	[2495] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	3
TYPE	1
ADDRESS	[2479] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	4
TYPE	1
ADDRESS	[2471] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	5
TYPE	1
ADDRESS	[2463] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	6
TYPE	1
ADDRESS	[2455] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	9
TYPE	1
ADDRESS	[2431] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

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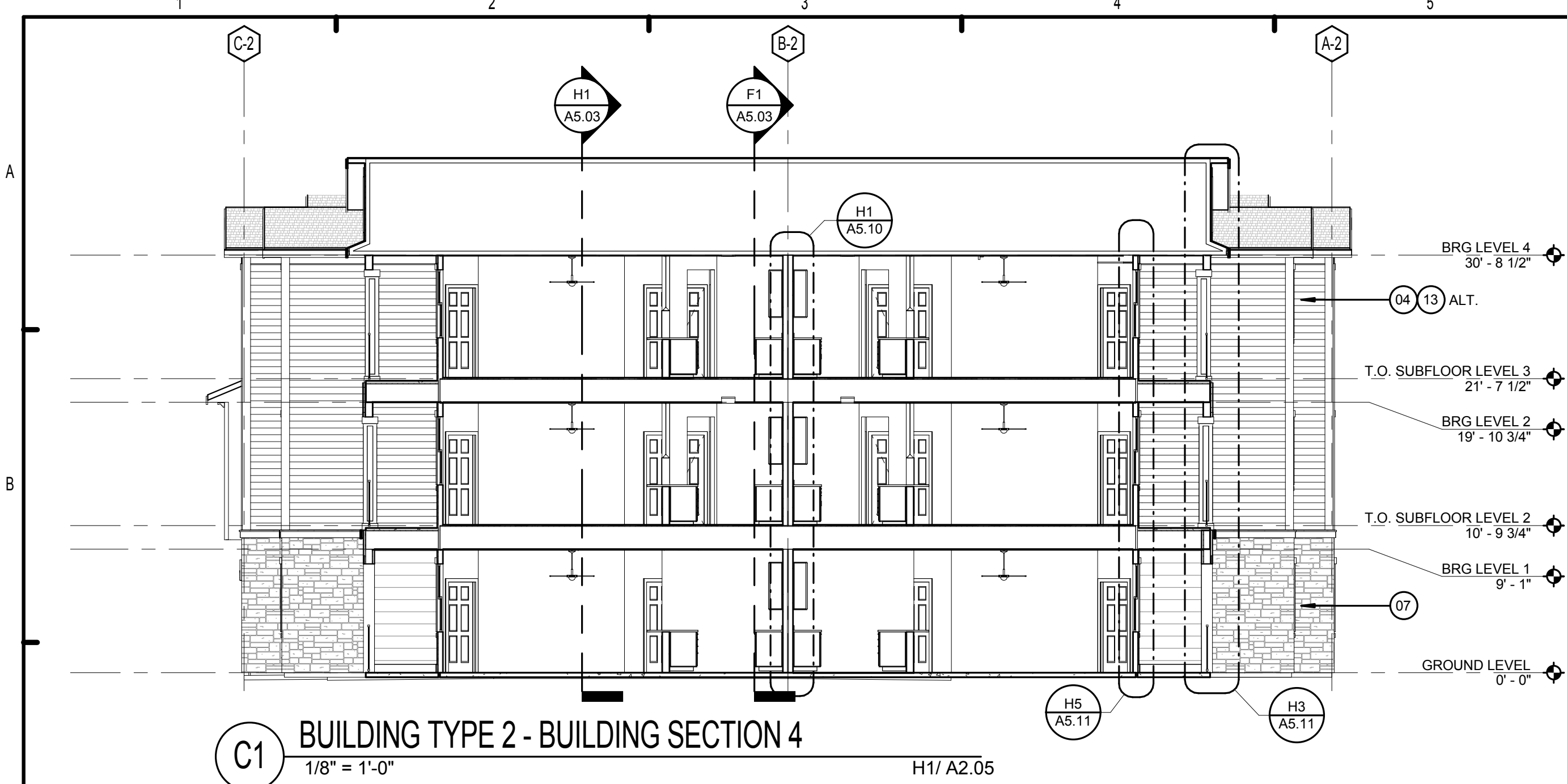
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

Drawn: FZ
Checked: PF
Approval: PF
Date: 04/29/2013
Project #: 5166.400

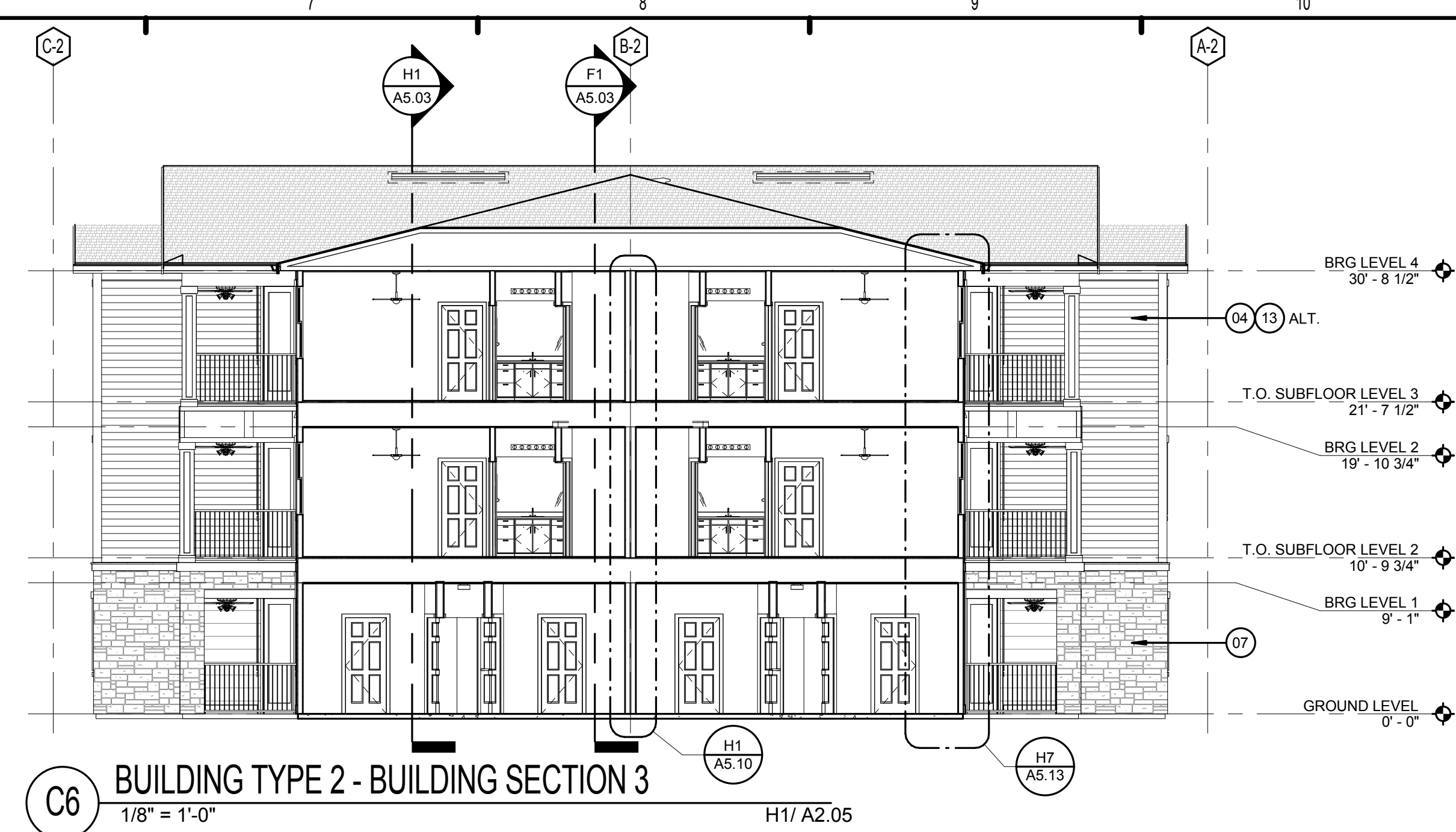
BUILDING TYPE 1 - BLDG SECTIONS - BLDGS. #1,4,5&7

A5.02

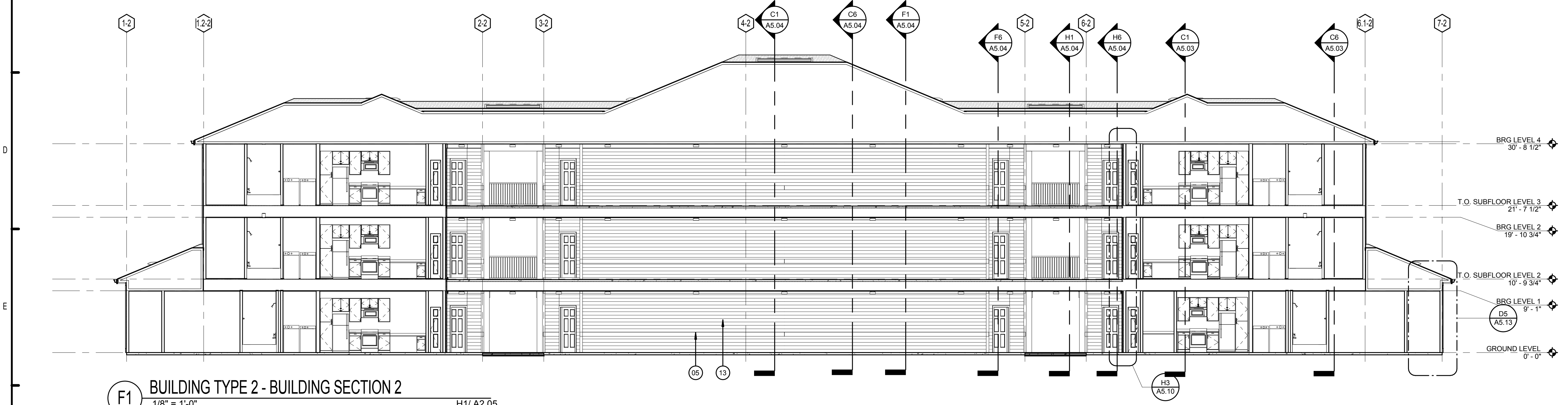
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LICENSE # 103195



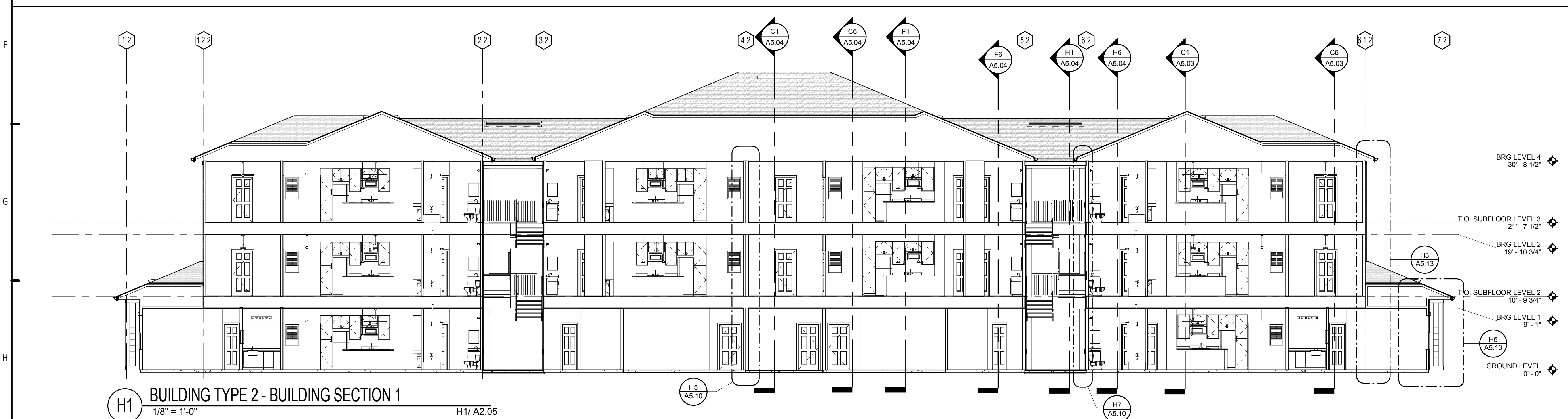
C1 BUILDING TYPE 2 - BUILDING SECTION 4
1/8" = 1'-0" H1/ A2.05



C6 BUILDING TYPE 2 - BUILDING SECTION 3
1/8" = 1'-0" H1/ A2.05



F1 BUILDING TYPE 2 - BUILDING SECTION 2
1/8" = 1'-0" H1/ A2.05



H1 BUILDING TYPE 2 - BUILDING SECTION 1
1/8" = 1'-0" H1/ A2.05

LEGEND:

- 01. ASPHALT ROOF SHINGLES - RE: SPECS
- 02. VINYL SHINGLE PATTERN SIDING
- 03. OFF RIDGE VENT. PAINT TO MATCH ROOF
- 04. FIBER CEMENT LAP SIDING - RE: SPECS
- 05. FIBER CEMENT TRIM
- 06. VINYL WINDOWS
- 07. CAST STONE VENEER - RE: SPECS
- 08. ALUMINUM RAILINGS - RE: SPECS
- 09. LIGHTED BUILDING NUMBER SIGN
- 10. BRACKET - BASIS OF DESIGN CHEMCREST WB1100
- 11. METER BANK LOCATION (REFER TO ARCH. SITE PLAN FOR LOCATION ON BLDG TYPE 1)
- 12. DRYER / EXHAUST FAN VENT
- 13. VINYL SIDING (ALT.), RE: SPECS.
- 14. FIBER CEMENT SHINGLE SIDING.

BUILDING NUMBER	8
TYPE	2
ADDRESS	[2439] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	10
TYPE	2
ADDRESS	[2423] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

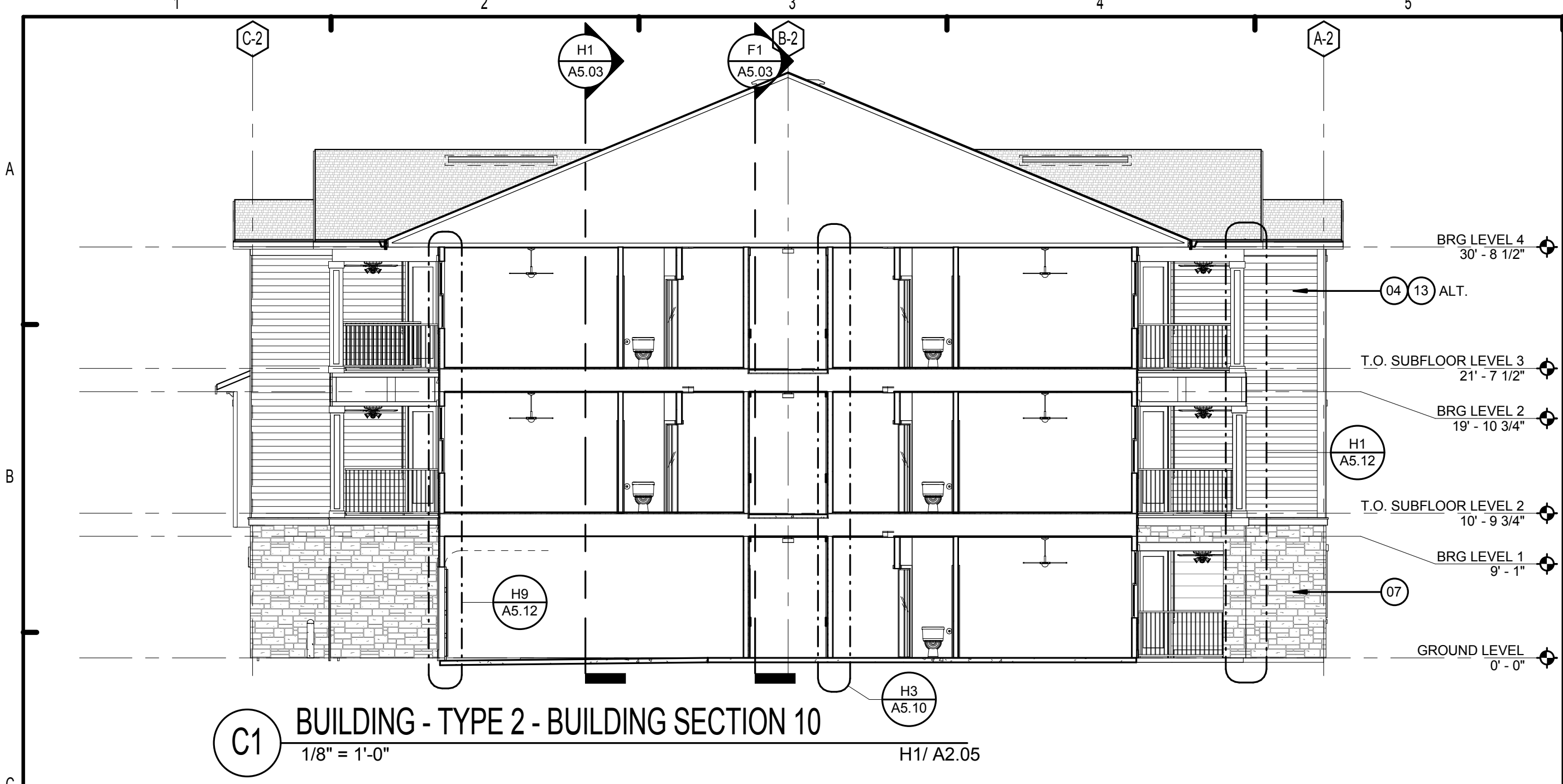

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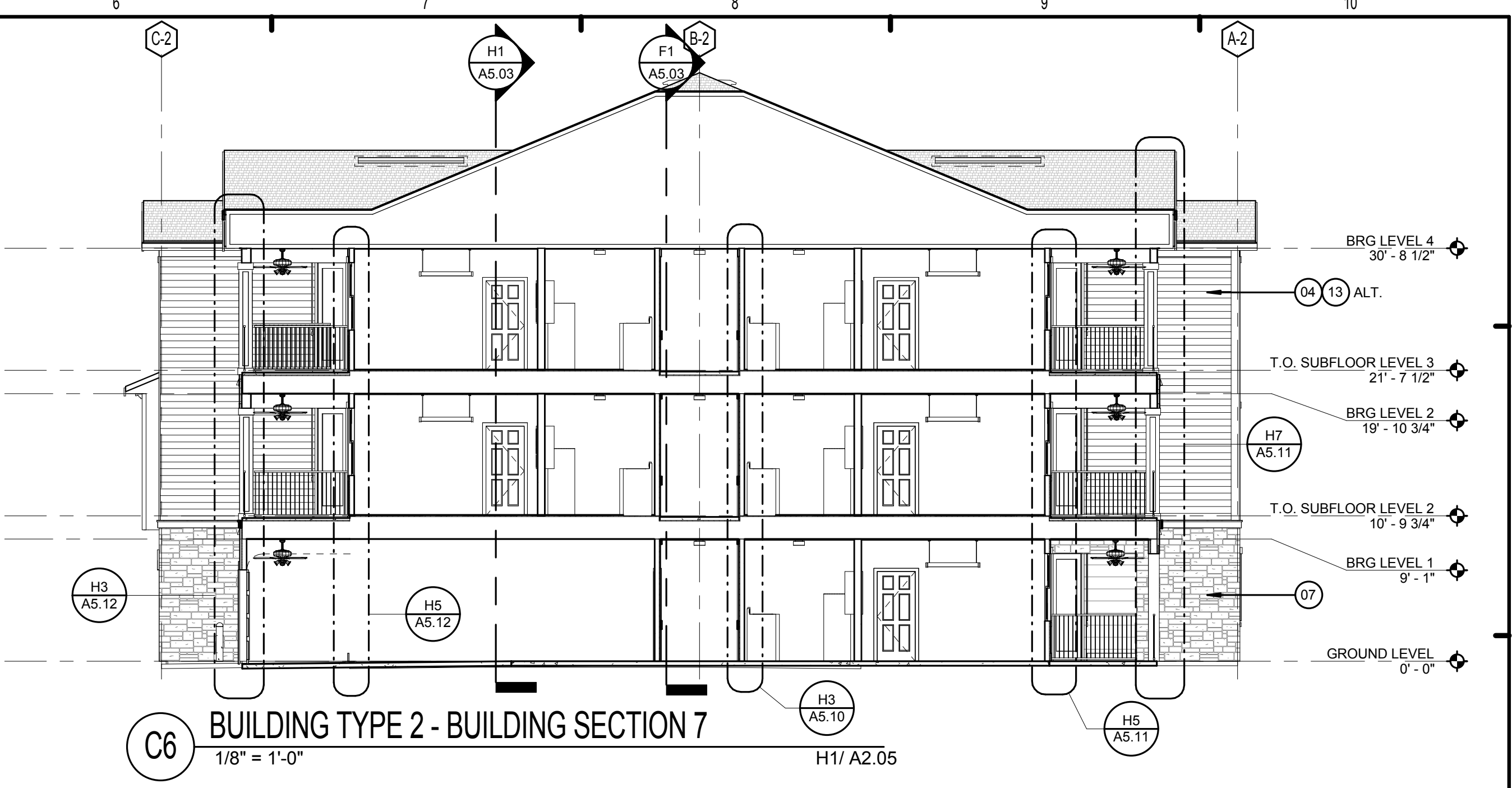
BRIDGEWAY APARTMENTS	Drawn: FZ
CHATTANOOGA, TN	Checked: PF
	Approval: PF
	Date: 04/29/2013
	Project #: 5166.400

BUILDING TYPE 2 - BLDG SECTIONS - BLDGS. #2&9	A5.03
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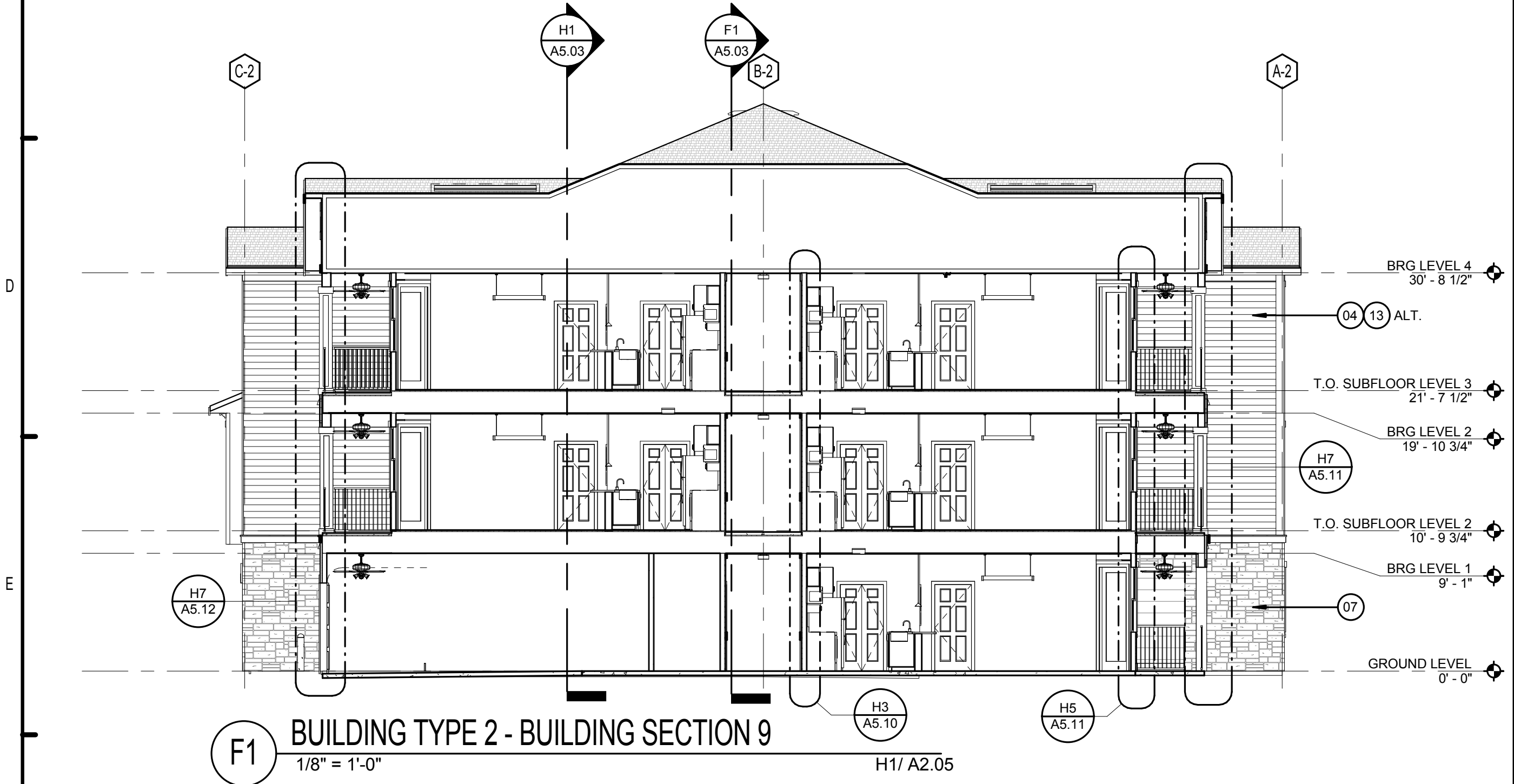
PATRICK D. FITCH LICENSE # 103195



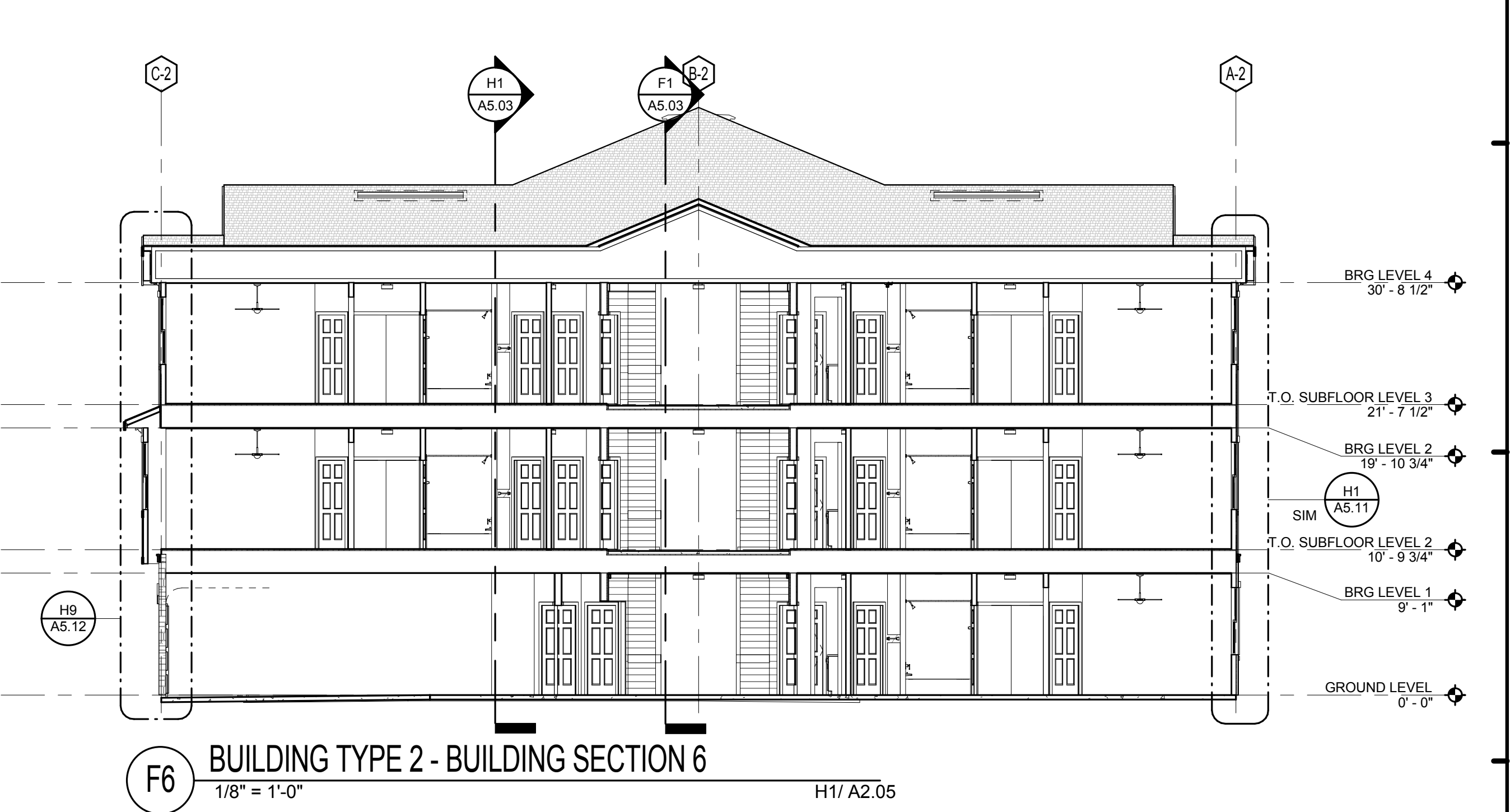
C1 BUILDING - TYPE 2 - BUILDING SECTION 10
1/8" = 1'-0" H1/A2.05



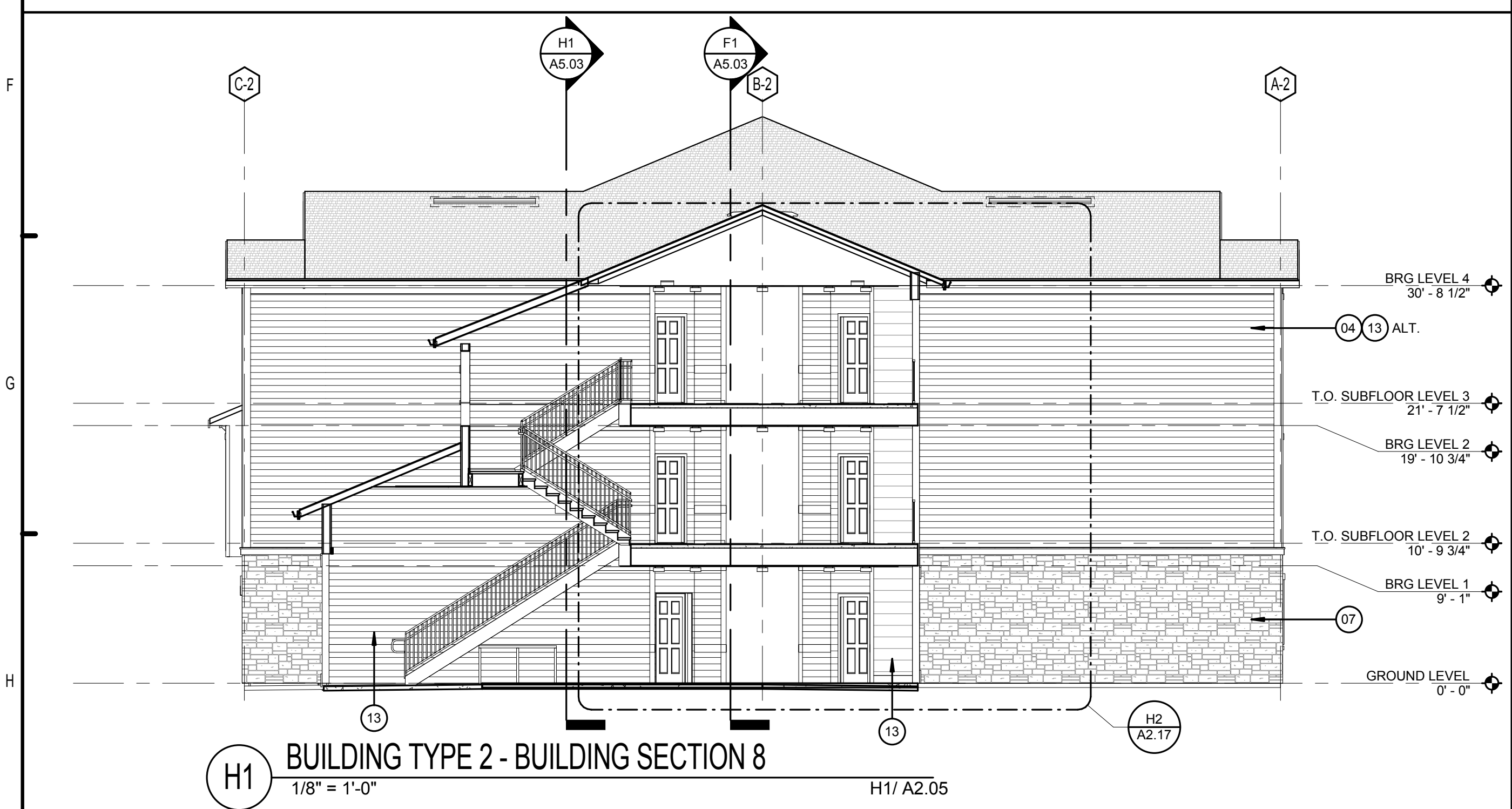
C6 BUILDING TYPE 2 - BUILDING SECTION 7
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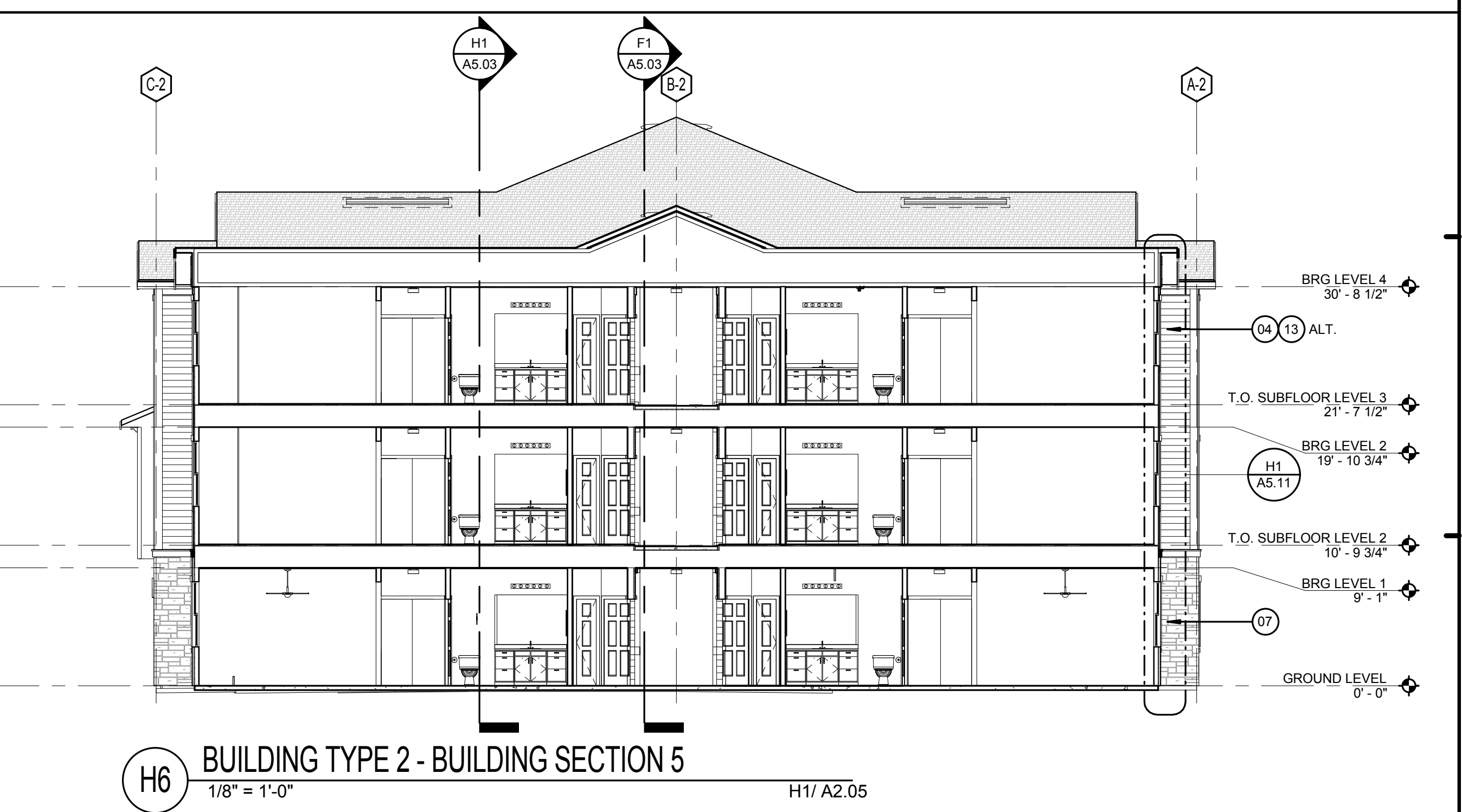
F1 BUILDING TYPE 2 - BUILDING SECTION 9
1/8" = 1'-0" H1/A2.05



F6 BUILDING TYPE 2 - BUILDING SECTION 6
1/8" = 1'-0" H1/A2.05



H1 BUILDING TYPE 2 - BUILDING SECTION 8
1/8" = 1'-0" H1/A2.05



H6 BUILDING TYPE 2 - BUILDING SECTION 5
1/8" = 1'-0" H1/A2.05

LEGEND:

- 01. ASPHALT ROOF SHINGLES - RE. SPECS
- 02. VINYL SHINGLE PATTERN SIDING
- 03. OFF RIDGE VENT, PAINT TO MATCH ROOF
- 04. FIBER CEMENT LAP SIDING - RE. SPECS
- 05. FIBER CEMENT TRIM
- 06. VINYL WINDOWS
- 07. CAST STONE VENEER - RE. SPECS
- 08. ALUMINUM RAILING - RE. SPECS
- 09. LIGHTED BUILDING NUMBER SIGN
- 10. BRACKET - BASIS OF DESIGN CHEMCREST WB1100
- 11. METER BANK LOCATION (REFER TO ARCH. SITE PLAN FOR LOCATION ON BLDG TYPE 1)
- 12. DRYER / EXHAUST FAN VENT
- 13. VINYL SIDING (ALT.), RE. SPECS.
- 14. FIBER CEMENT SHINGLE SIDING.

BUILDING NUMBER		8
TYPE	2	
ADDRESS	[2439] BRIDGE CIRCLE	
PERMIT #	TBD	
BUILDING NUMBER		10
TYPE	2	
ADDRESS	[2423] BRIDGE CIRCLE	
PERMIT #	TBD	

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

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BRIDGEWAY APARTMENTS

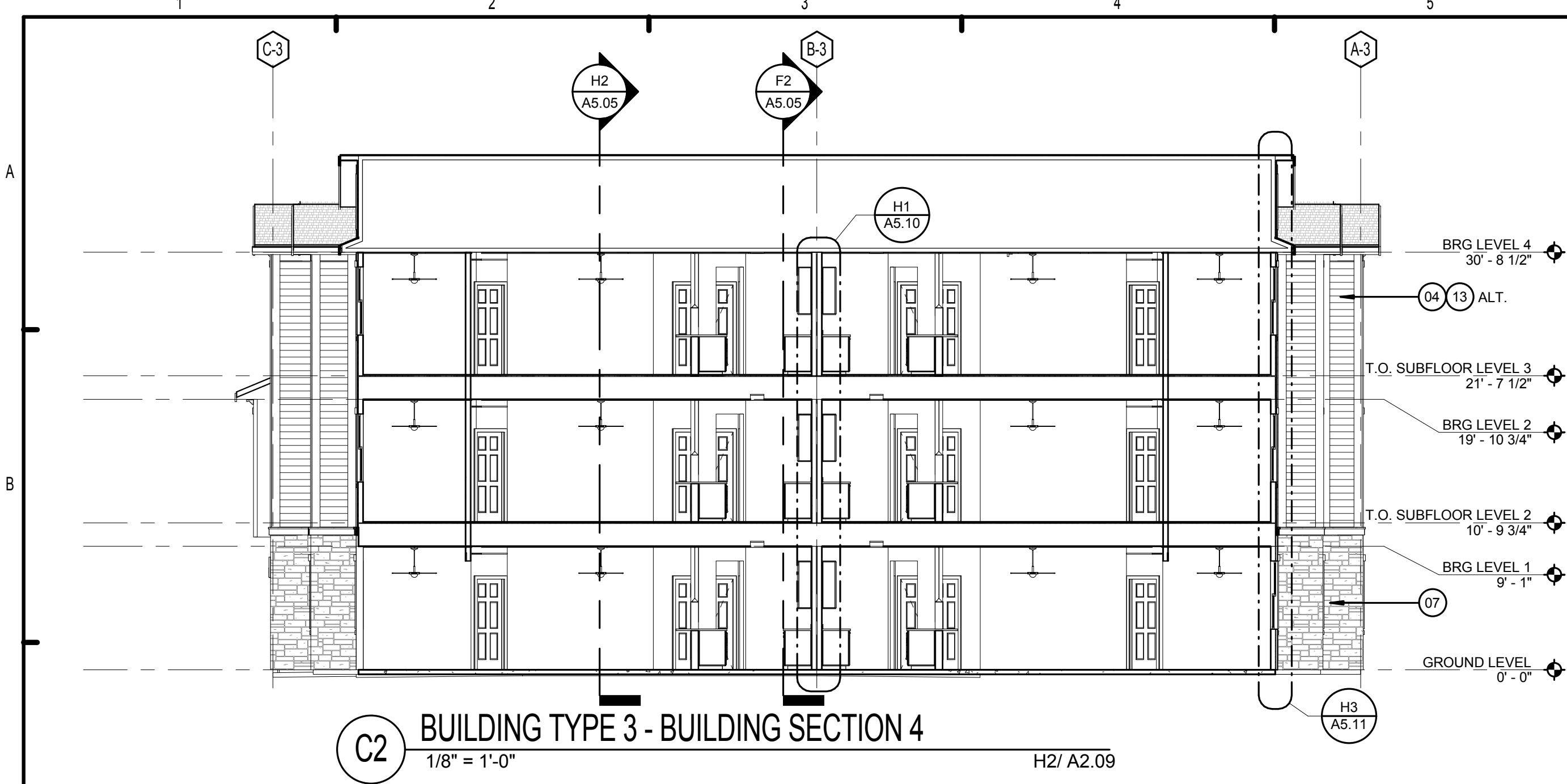
CHATTANOOGA, TN

BUILDING TYPE 2 - BLDG SECTIONS - BLDGS. #2&9

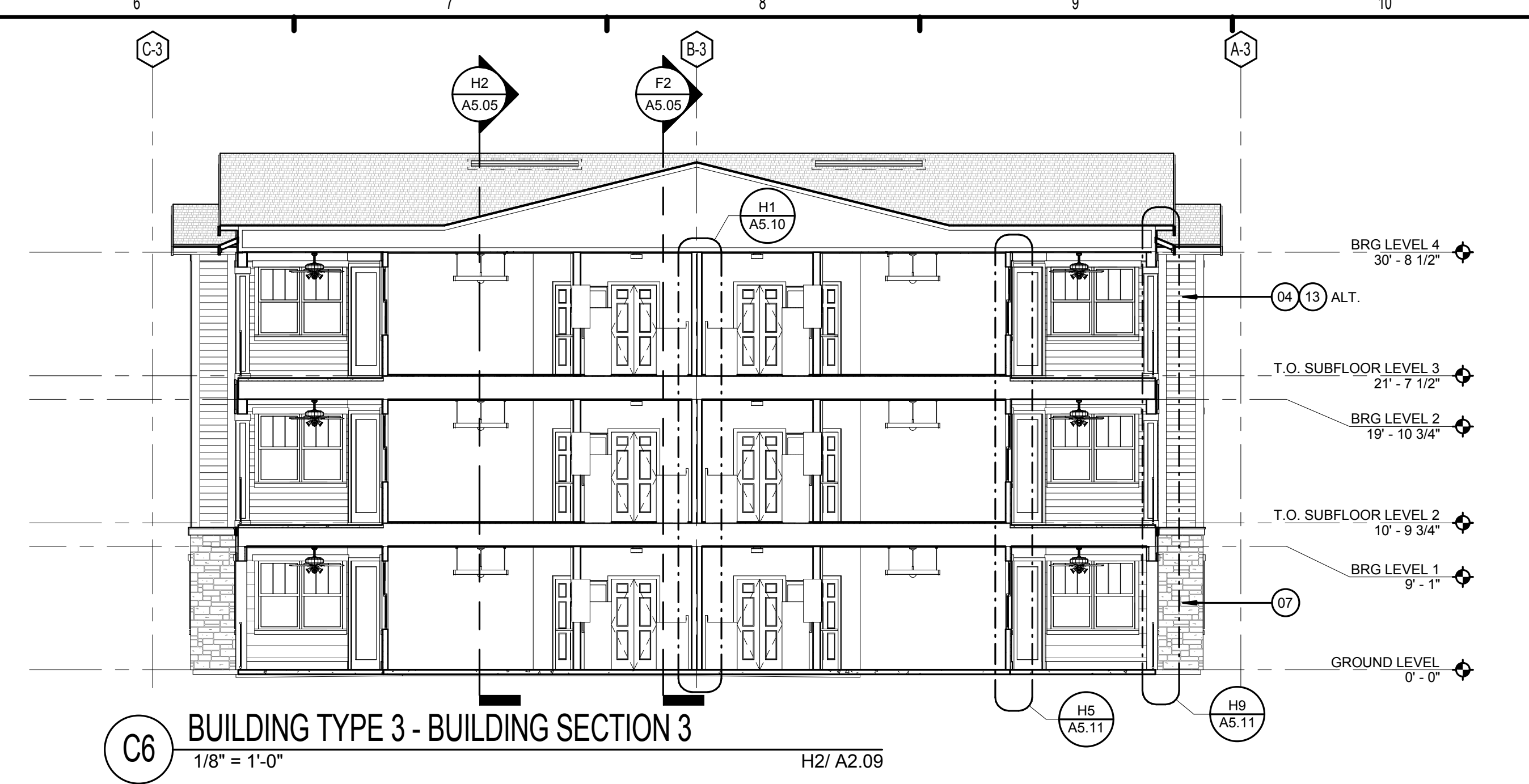
A5.04

Date: 04/29/2013
Project #: 5166.400

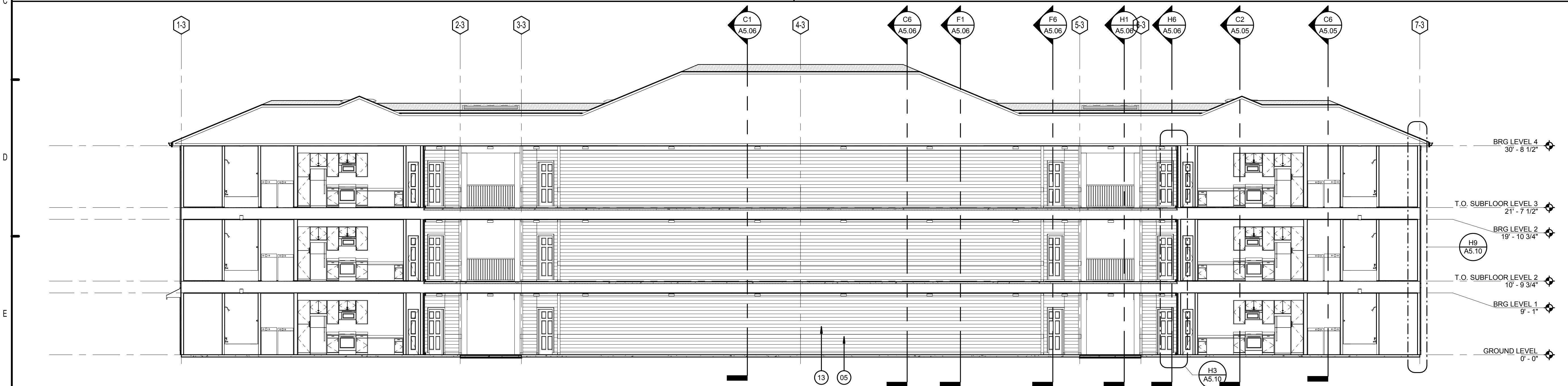
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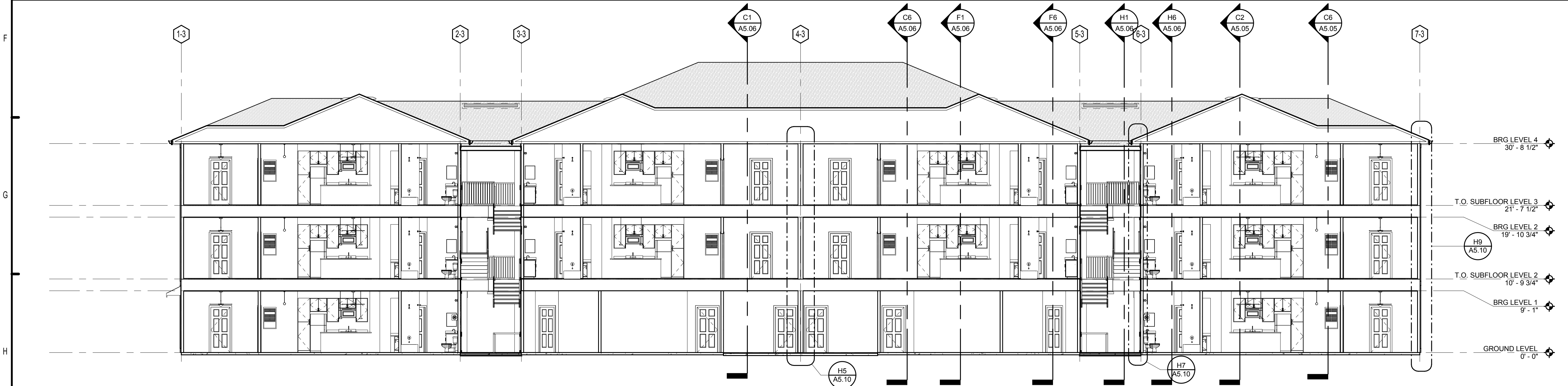
C2 BUILDING TYPE 3 - BUILDING SECTION 4
1/8" = 1'-0" H2/ A2.09



C6 BUILDING TYPE 3 - BUILDING SECTION 3
1/8" = 1'-0" H2/ A2.09



F2 BUILDING TYPE 3 - BUILDING SECTION 2
1/8" = 1'-0" H2/ A2.09



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

LEGEND:

01. ASPHALT ROOF SHINGLES - RE: SPECS
02. VINYL SHINGLE PATTERN SIDING
03. OFF RIDGE VENT. PAINT TO MATCH ROOF
04. FIBER CEMENT LAP SIDING - RE: SPECS
05. FIBER CEMENT TRIM
06. VINYL WINDOWS
07. CAST STONE VENEER - RE: SPECS
08. ALUMINUM RAILING - RE: SPECS
09. LIGHTED BUILDING NUMBER SIGN
10. BRACKET - BASIS OF DESIGN CHEMCREST WB1100
11. METER BANK LOCATION (REFER TO ARCH. SITE PLAN FOR LOCATION ON BLDG TYPE 1)
12. DRYER / EXHAUST FAN VENT
13. VINYL SIDING (ALT.), RE: SPECS.
14. FIBER CEMENT SHINGLE SIDING.

BUILDING NUMBER	2
TYPE	3
ADDRESS	[2487] BRIDGE CIRCLE
PERMIT #	TBD

BUILDING NUMBER	7
TYPE	3
ADDRESS	[2447] BRIDGE CIRCLE
PERMIT #	TBD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

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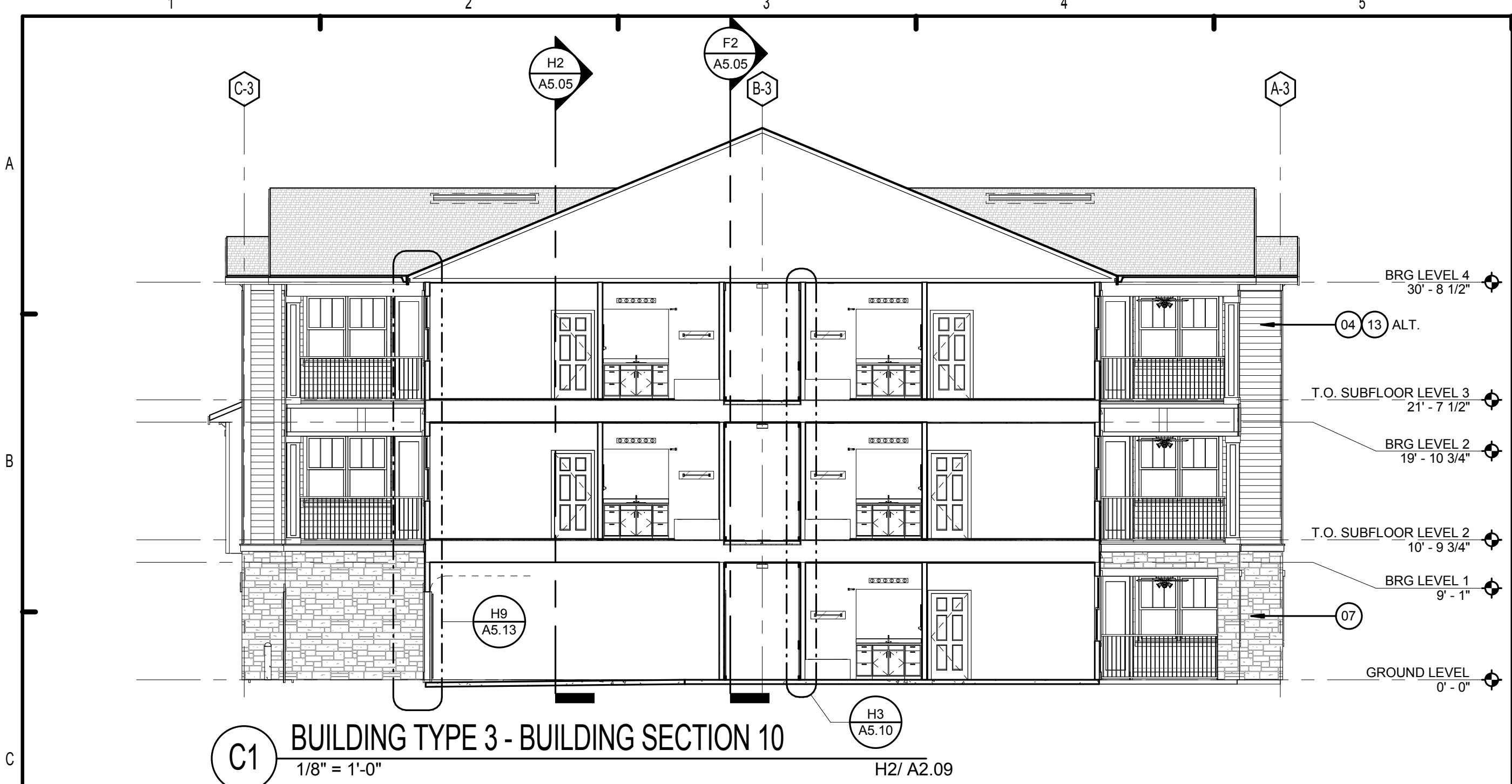
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

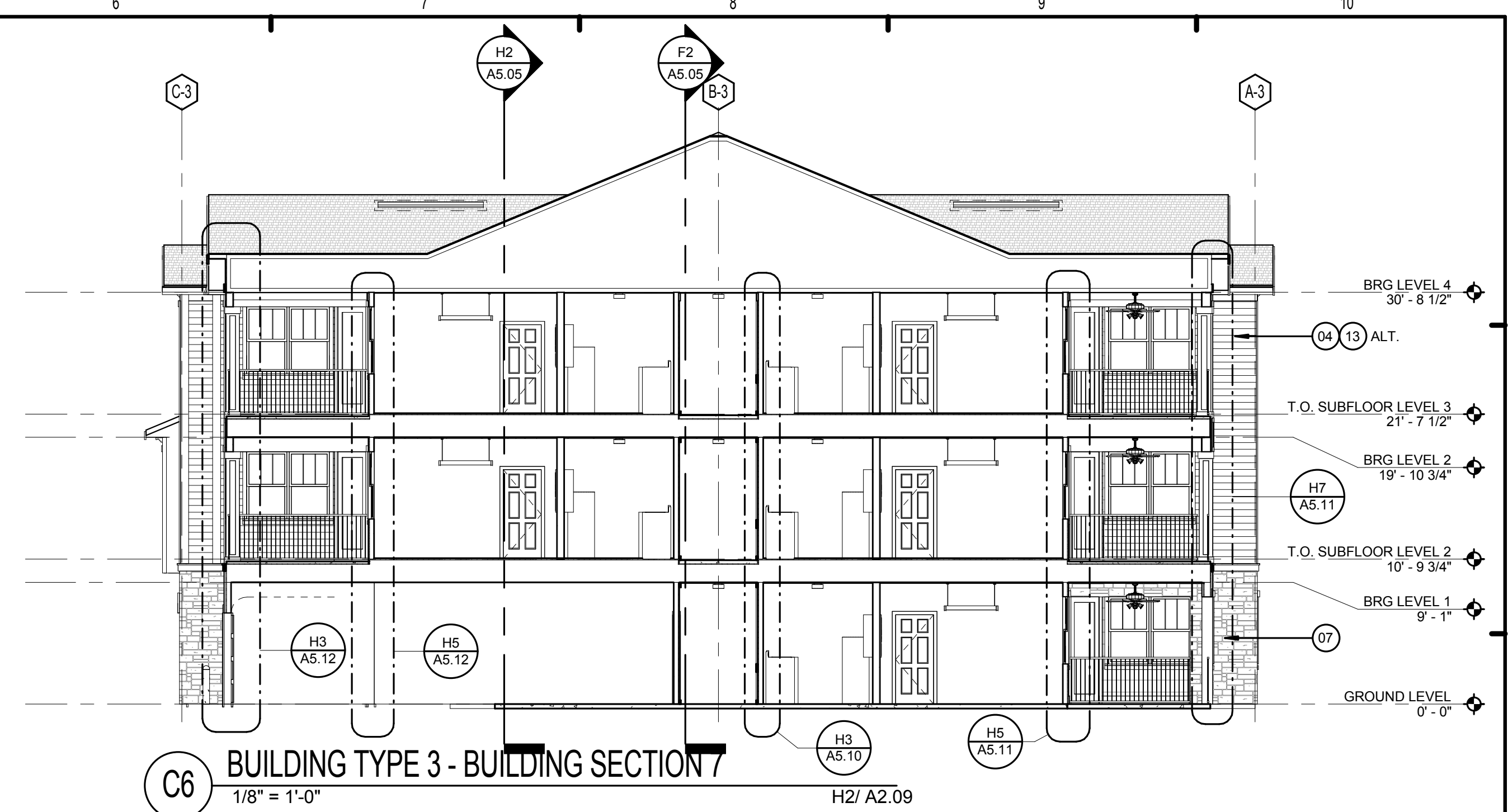
BUILDING TYPE 3 - BLDG. SECTIONS - BLDGS. # 3,6&8

A5.05

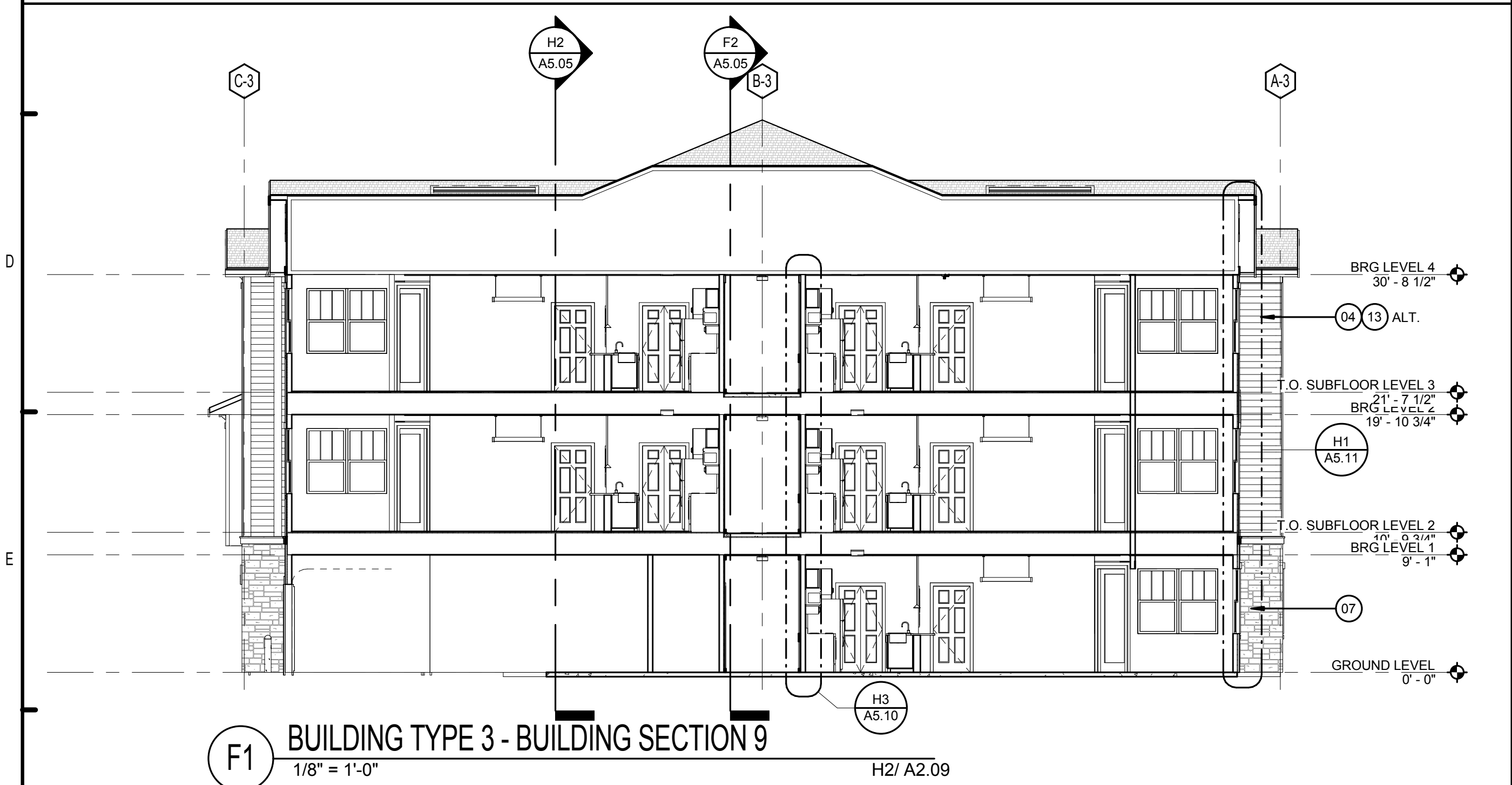
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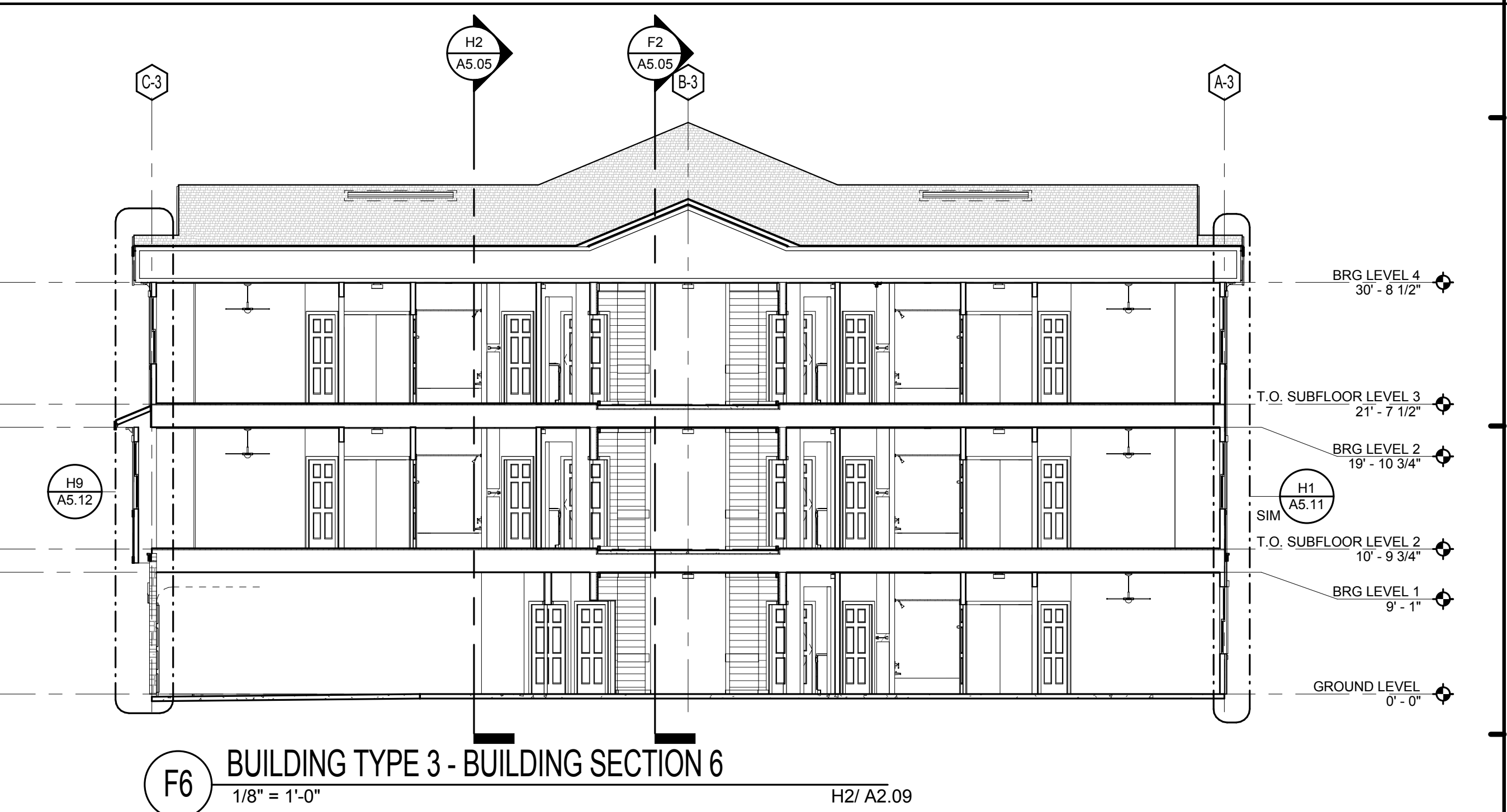
C1 BUILDING TYPE 3 - BUILDING SECTION 10
1/8" = 1'-0" H2/ A2.09



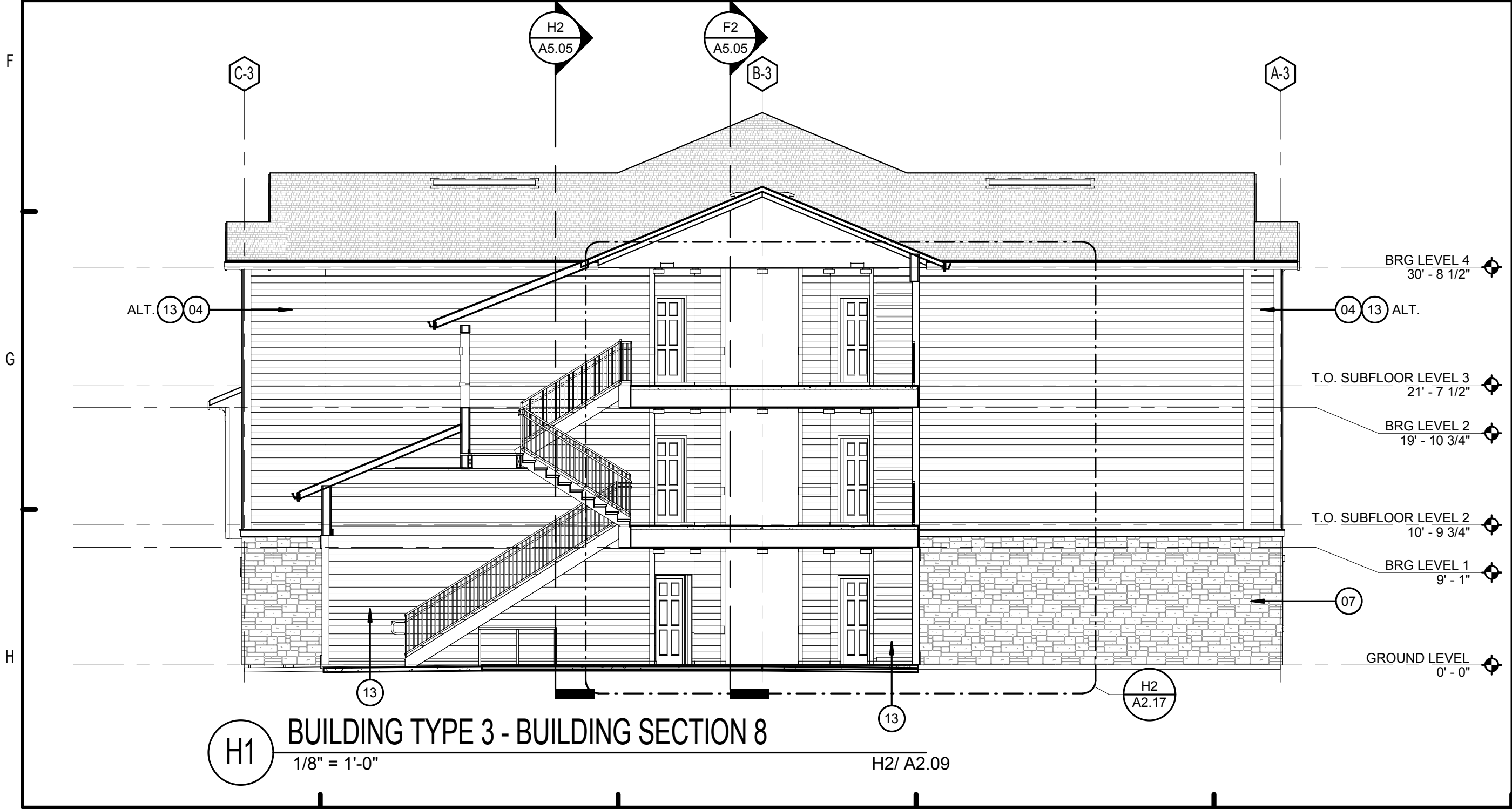
C6 BUILDING TYPE 3 - BUILDING SECTION 7
1/8" = 1'-0" H2/ A2.09



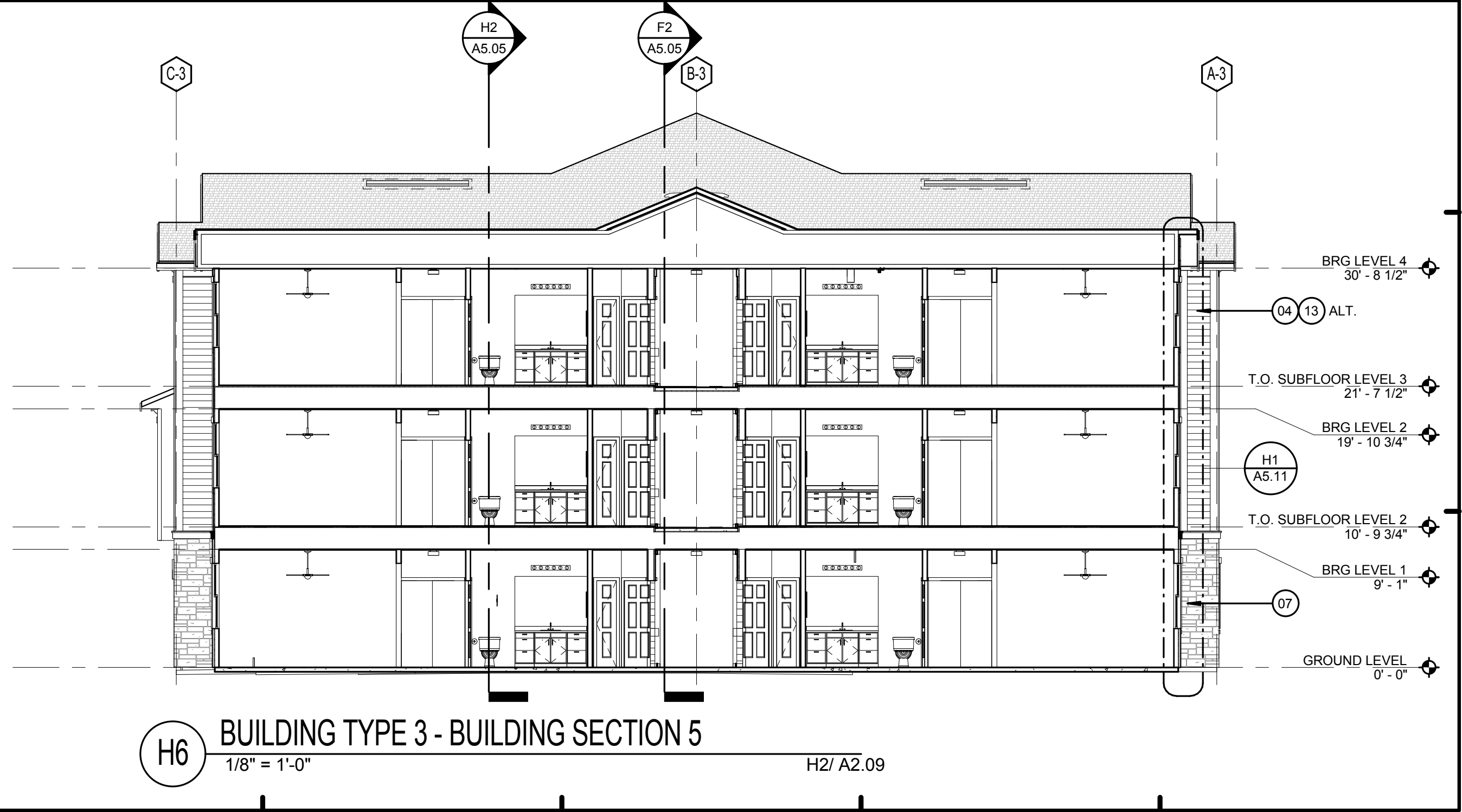
F1 BUILDING TYPE 3 - BUILDING SECTION 9
1/8" = 1'-0" H2/ A2.09



F6 BUILDING TYPE 3 - BUILDING SECTION 6
1/8" = 1'-0" H2/ A2.09



H1 BUILDING TYPE 3 - BUILDING SECTION 8
1/8" = 1'-0" H2/ A2.09



H6 BUILDING TYPE 3 - BUILDING SECTION 5
1/8" = 1'-0" H2/ A2.09

LEGEND:

- 01. ASPHALT ROOF SHINGLES - RE. SPECS
- 02. VINYL SHINGLE PATTERN SIDING
- 03. OFF RIDGE VENT. PAINT TO MATCH ROOF
- 04. FIBER CEMENT LAP SIDING - RE. SPECS
- 05. FIBER CEMENT TRIM
- 06. VINYL WINDOWS
- 07. CAST STONE VENEER - RE. SPECS
- 08. ALUMINUM RAILING - RE. SPECS
- 09. LIGHTED BUILDING NUMBER SIGN
- 10. BRACKET - BASIS OF DESIGN CHEMCREST WB1100
- 11. METER BANK LOCATION (REFER TO ARCH. SITE PLAN FOR LOCATION ON BLDG TYPE 1)
- 12. DRYER / EXHAUST FAN VENT
- 13. VINYL SIDING (ALT.), RE. SPECS.
- 14. FIBER CEMENT SHINGLE SIDING.

BUILDING NUMBER		2
TYPE	3	
ADDRESS	[2487] BRIDGE CIRCLE	
PERMIT #	TBD	
BUILDING NUMBER		7
TYPE	3	
ADDRESS	[2447] BRIDGE CIRCLE	
PERMIT #	TBD	

ISSUE HISTORY

No.	Date	Description
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No.	Date	Description

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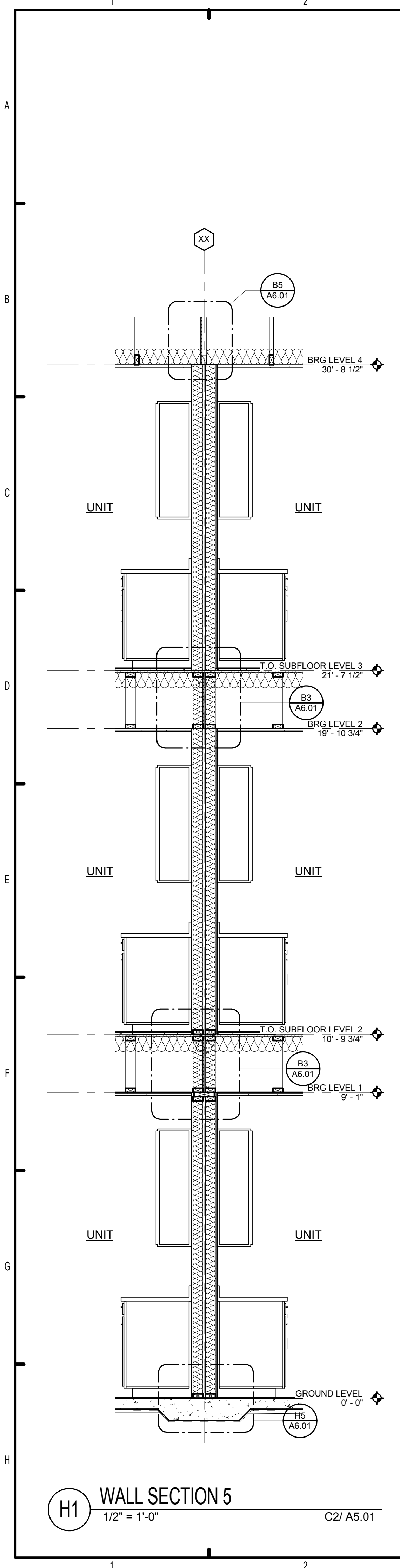
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

Drawn: FZ
Checked: PF
Approval: PF
Date: 04/28/2013
Project #: 5166.400

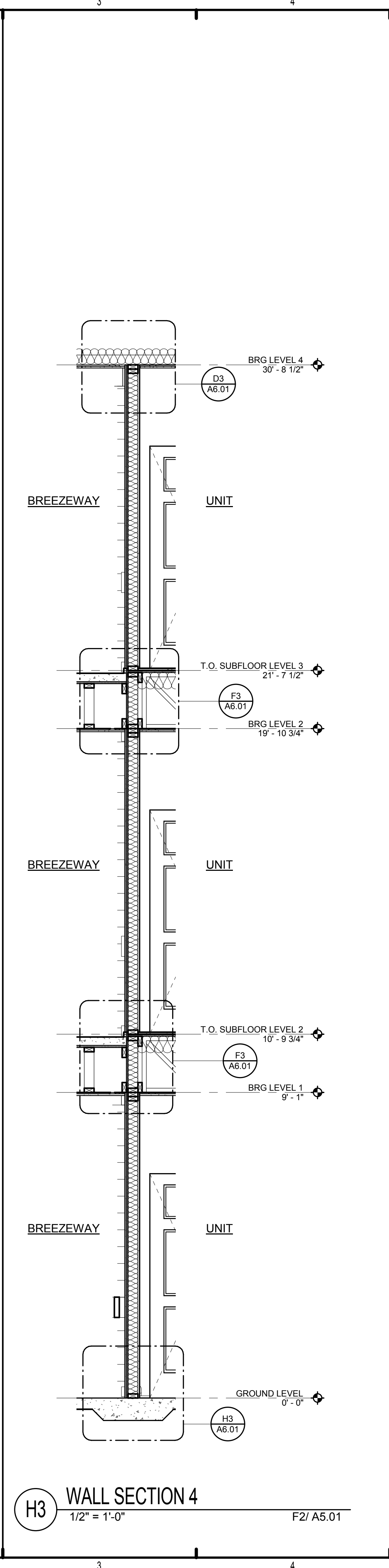
BUILDING TYPE 3 - BLDG. SECTIONS - BLDGS. # 3,6&8

A5.06

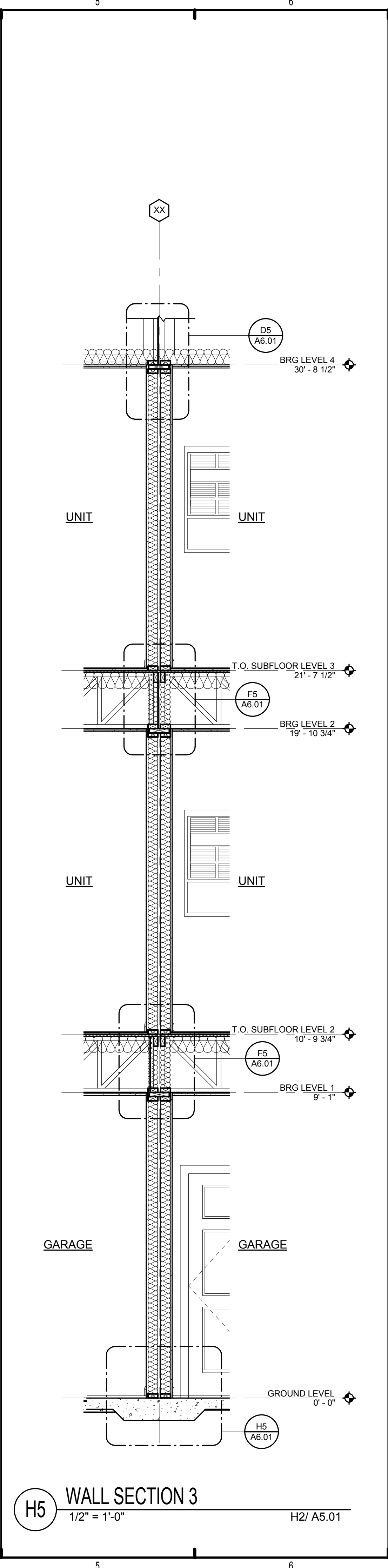
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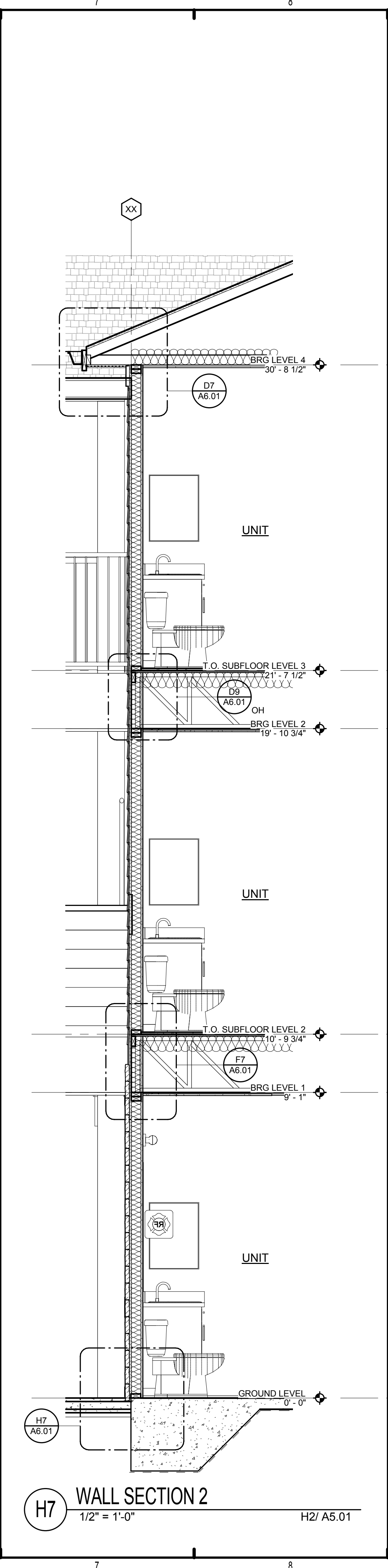
H1 WALL SECTION 5
1/2" = 1'-0" C2/ A5.01



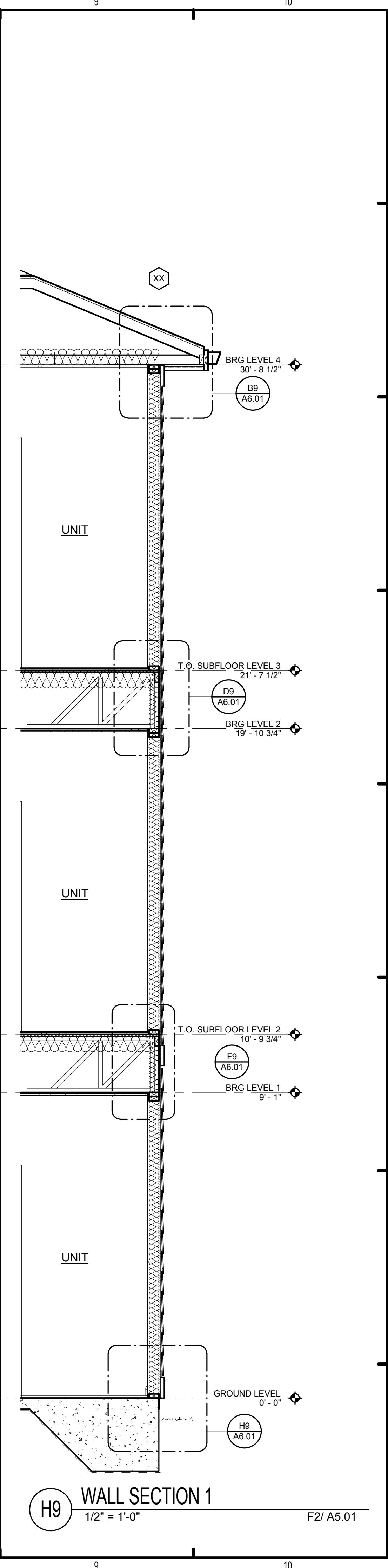
H3 WALL SECTION 4
1/2" = 1'-0" F2/ A5.01



H5 WALL SECTION 3
1/2" = 1'-0" H2/ A5.01



H7 WALL SECTION 2
1/2" = 1'-0" H2/ A5.01



H9 WALL SECTION 1
1/2" = 1'-0" F2/ A5.01

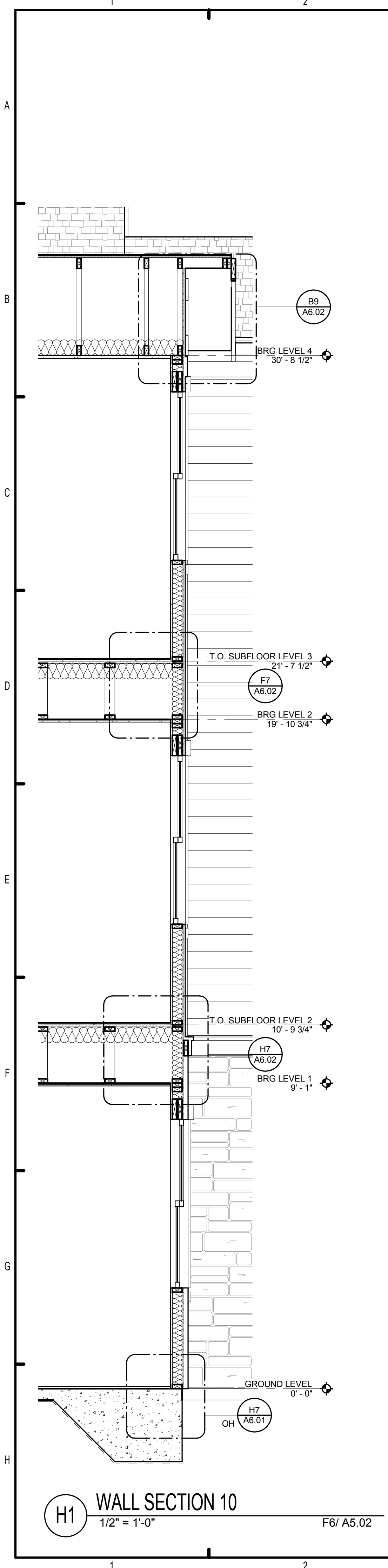
ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

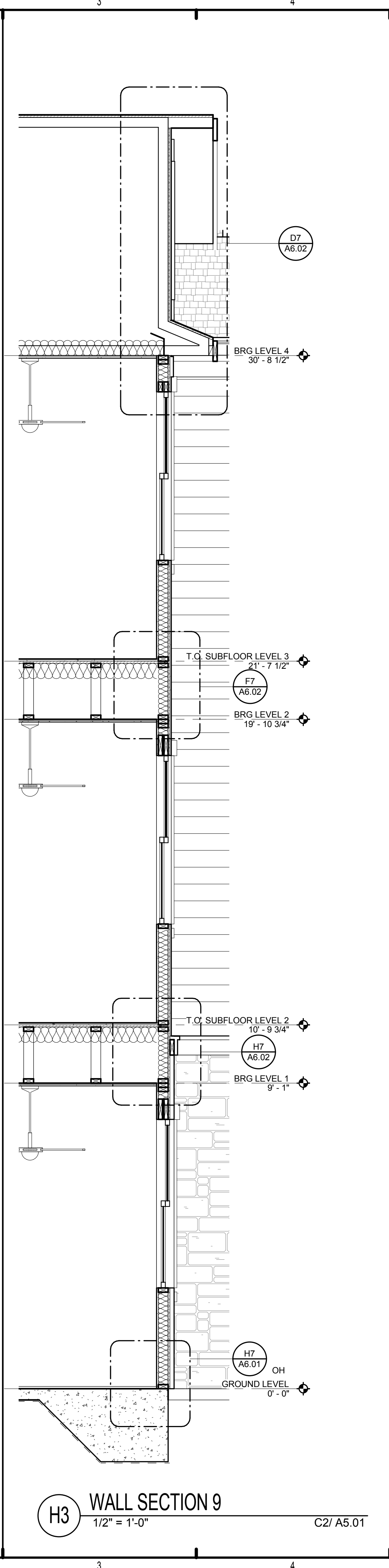

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BRIDGEWAY APARTMENTS	
CHATTANOOGA, TN	
WALL SECTIONS	A5.10

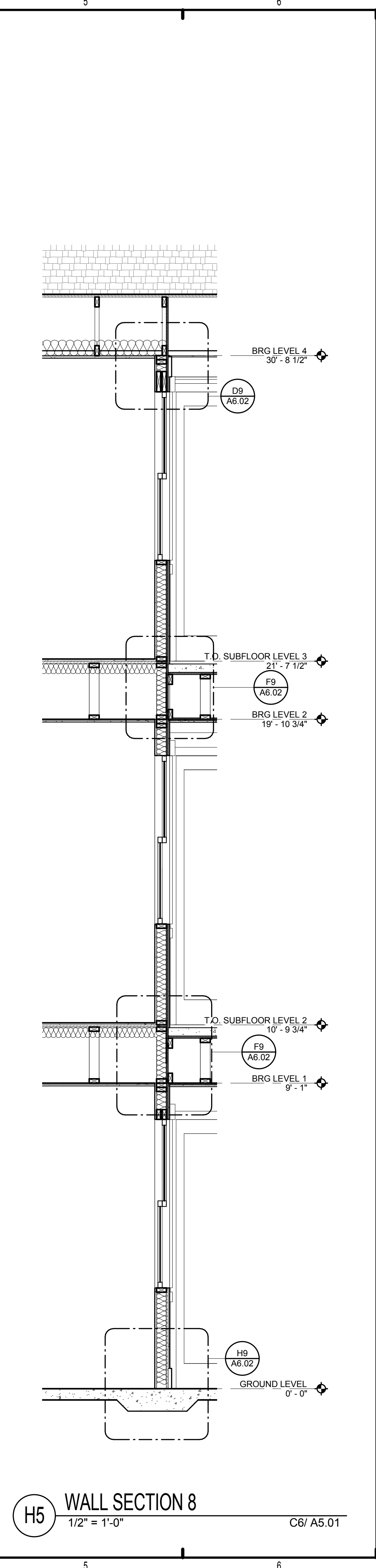
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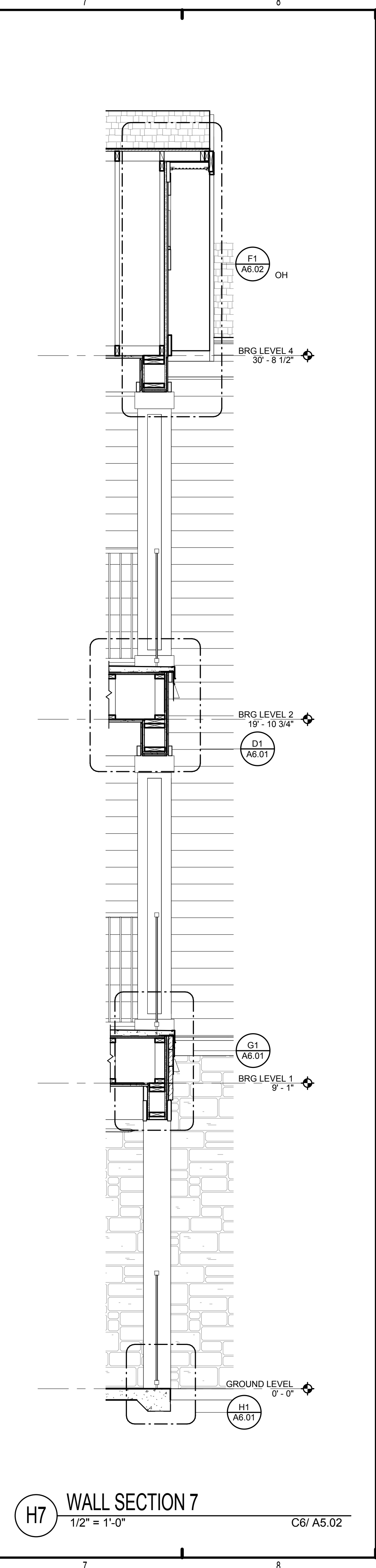
H1 WALL SECTION 10
1/2" = 1'-0" F6/ A5.02



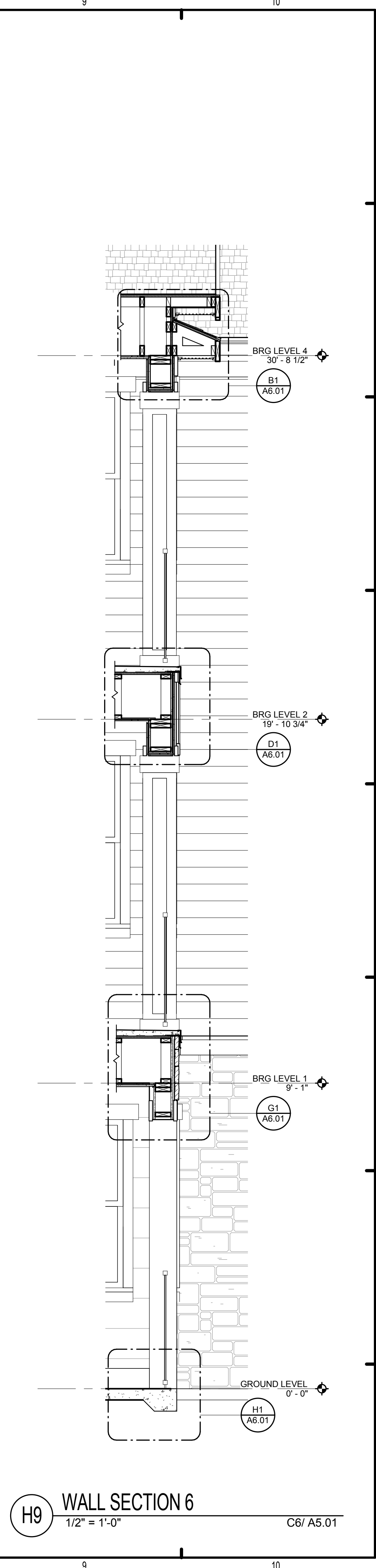
H3 WALL SECTION 9
1/2" = 1'-0" C2/ A5.01



H5 WALL SECTION 8
1/2" = 1'-0" C6/ A5.01



H7 WALL SECTION 7
1/2" = 1'-0" C6/ A5.02



H9 WALL SECTION 6
1/2" = 1'-0" C6/ A5.01

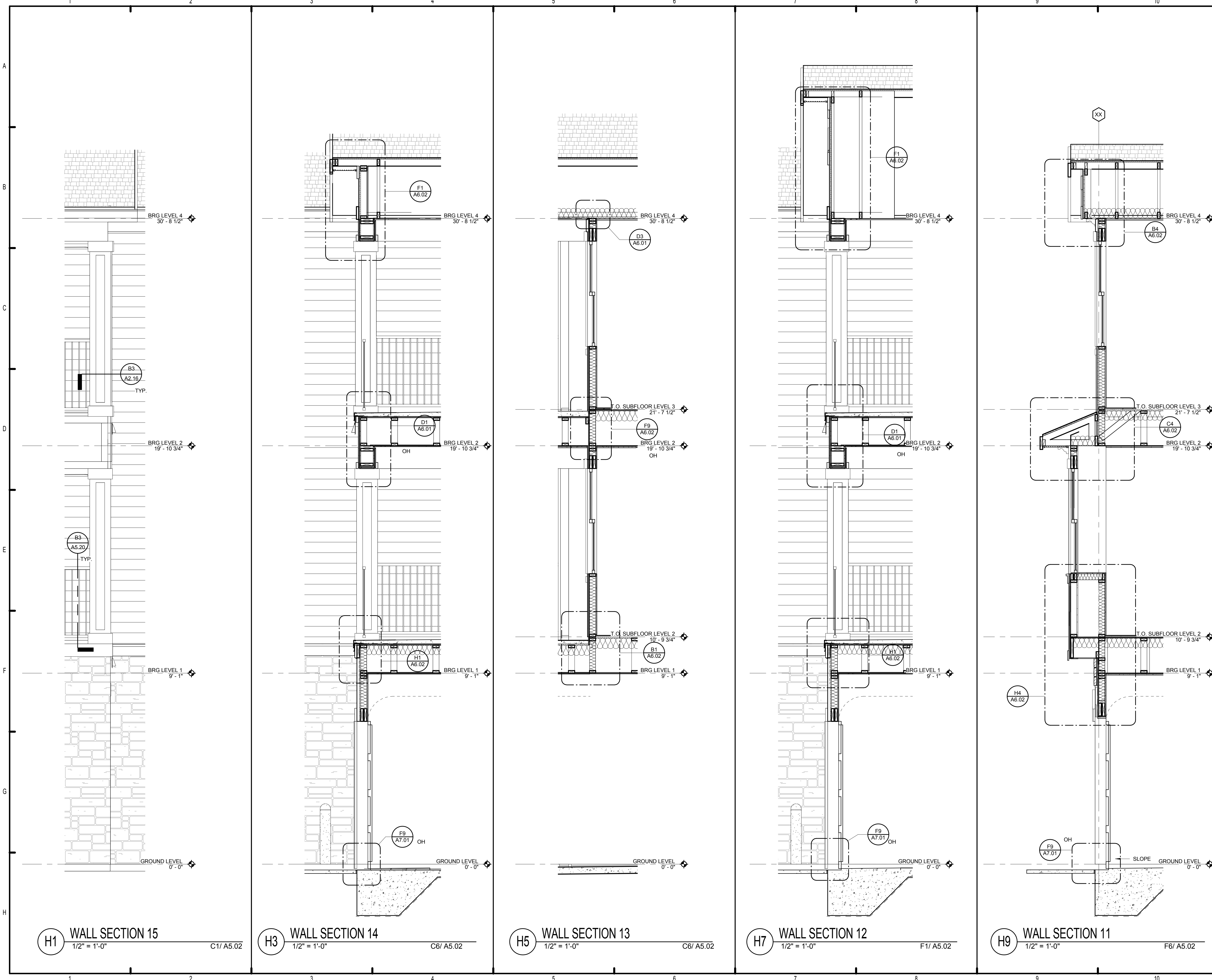
ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description


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BRIDGEWAY APARTMENTS	
CHATTANOOGA, TN	
WALL SECTIONS	A5.11

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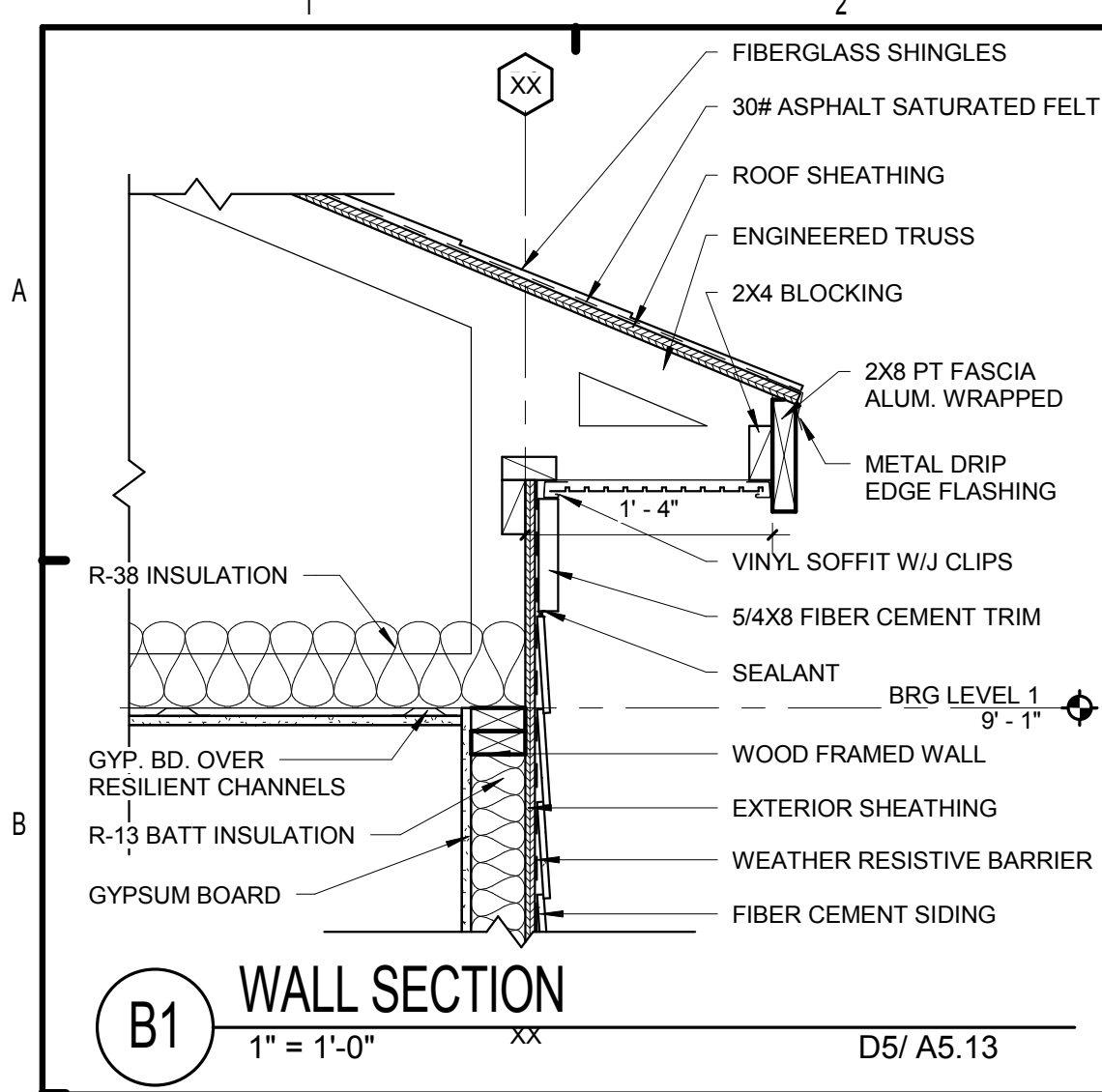
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1	05/31/13	PERMIT REVIEW SET

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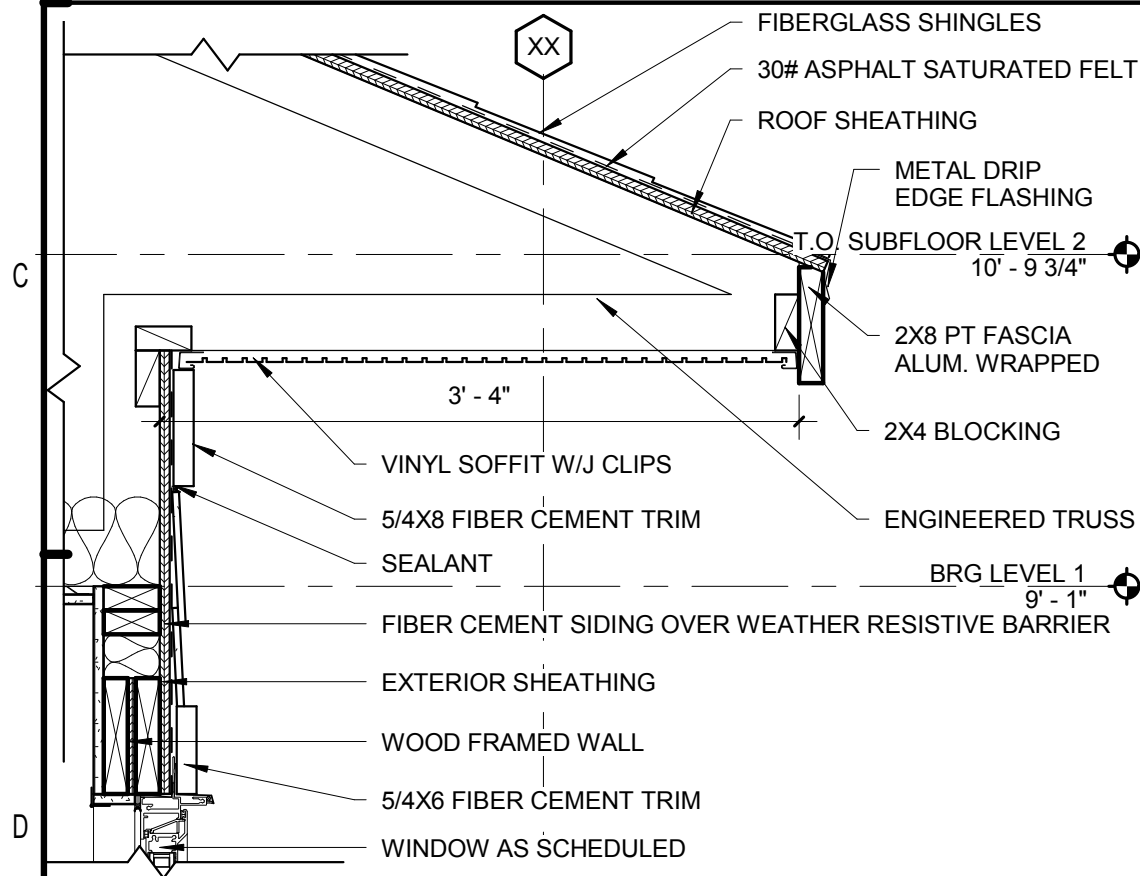

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BRIDGEWAY APARTMENTS CHATTANOOGA, TN	
WALL SECTIONS	A5.12

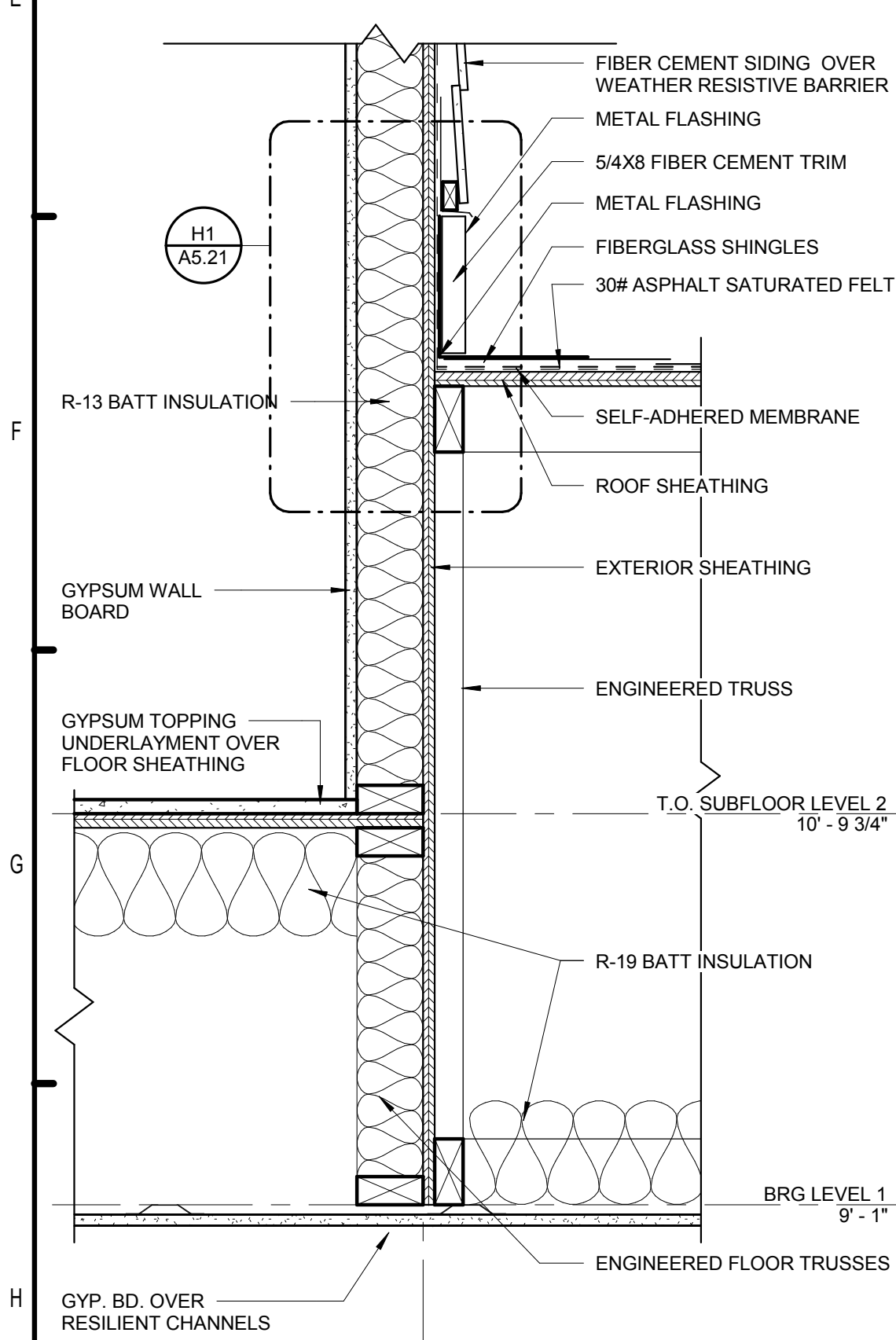
PATRICK D. FITCH
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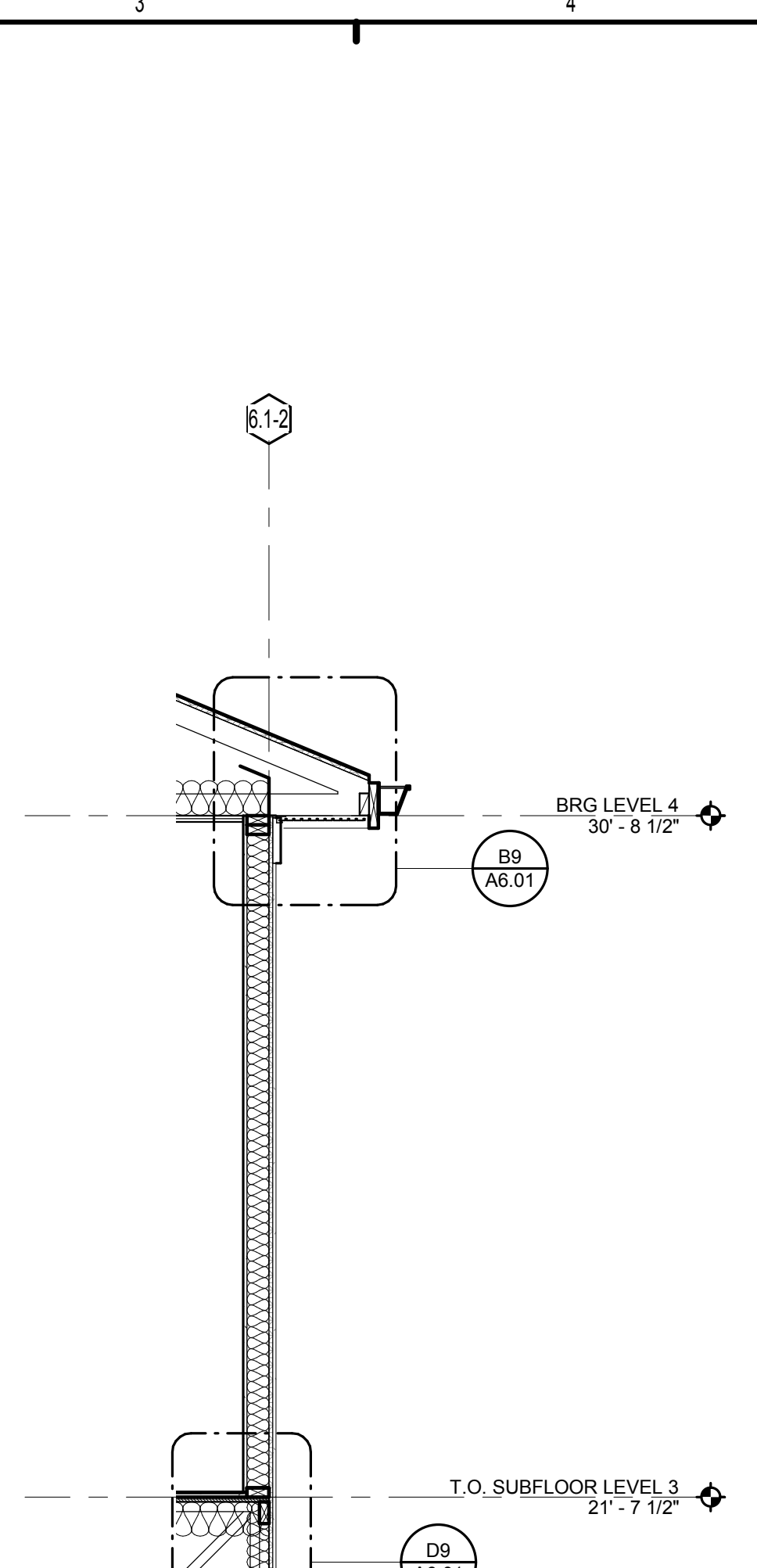
B1 WALL SECTION
1" = 1'-0" D5/ A5.13



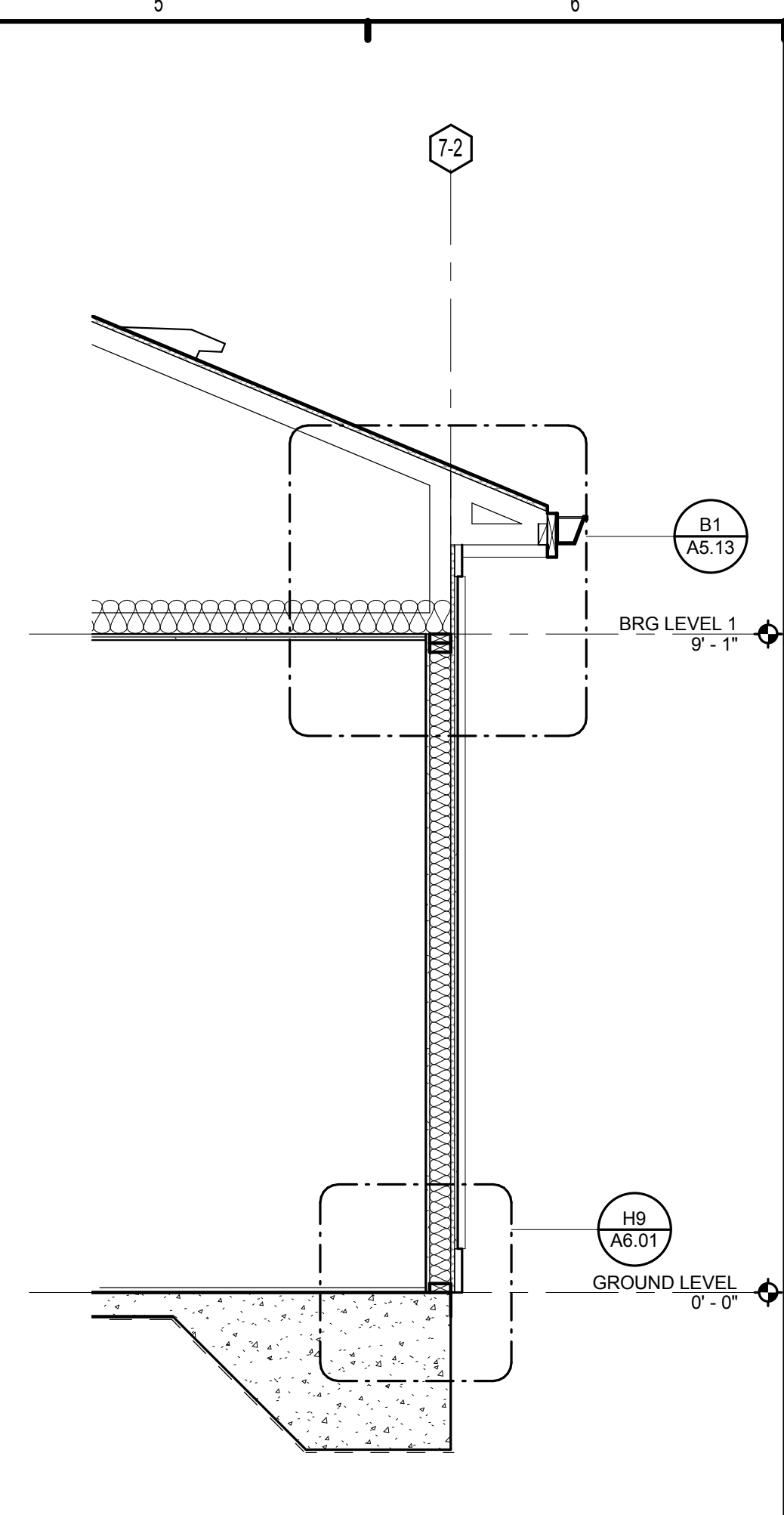
D1 WALL SECTION
1" = 1'-0" H5/ A5.13



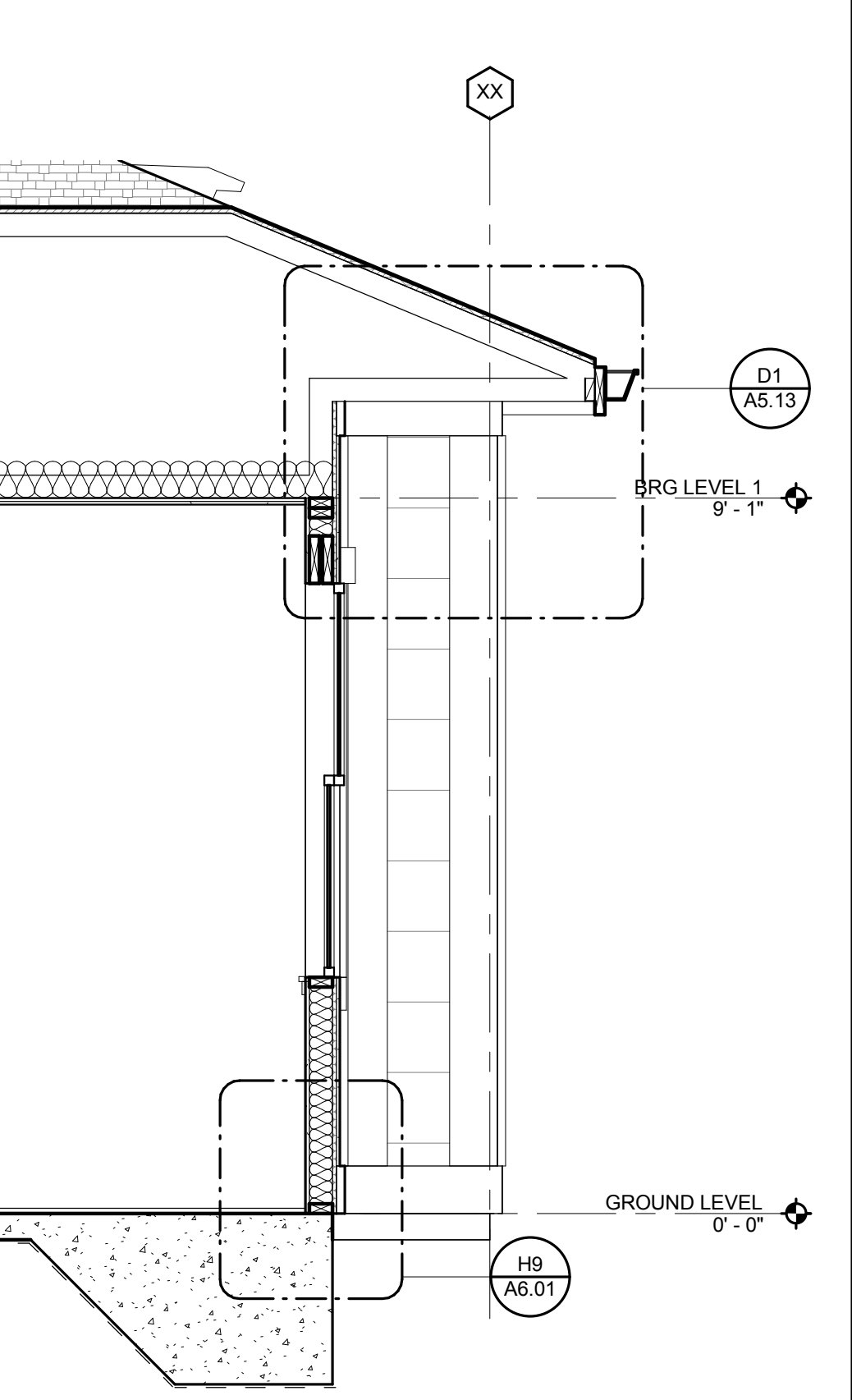
H1 WALL SECTION
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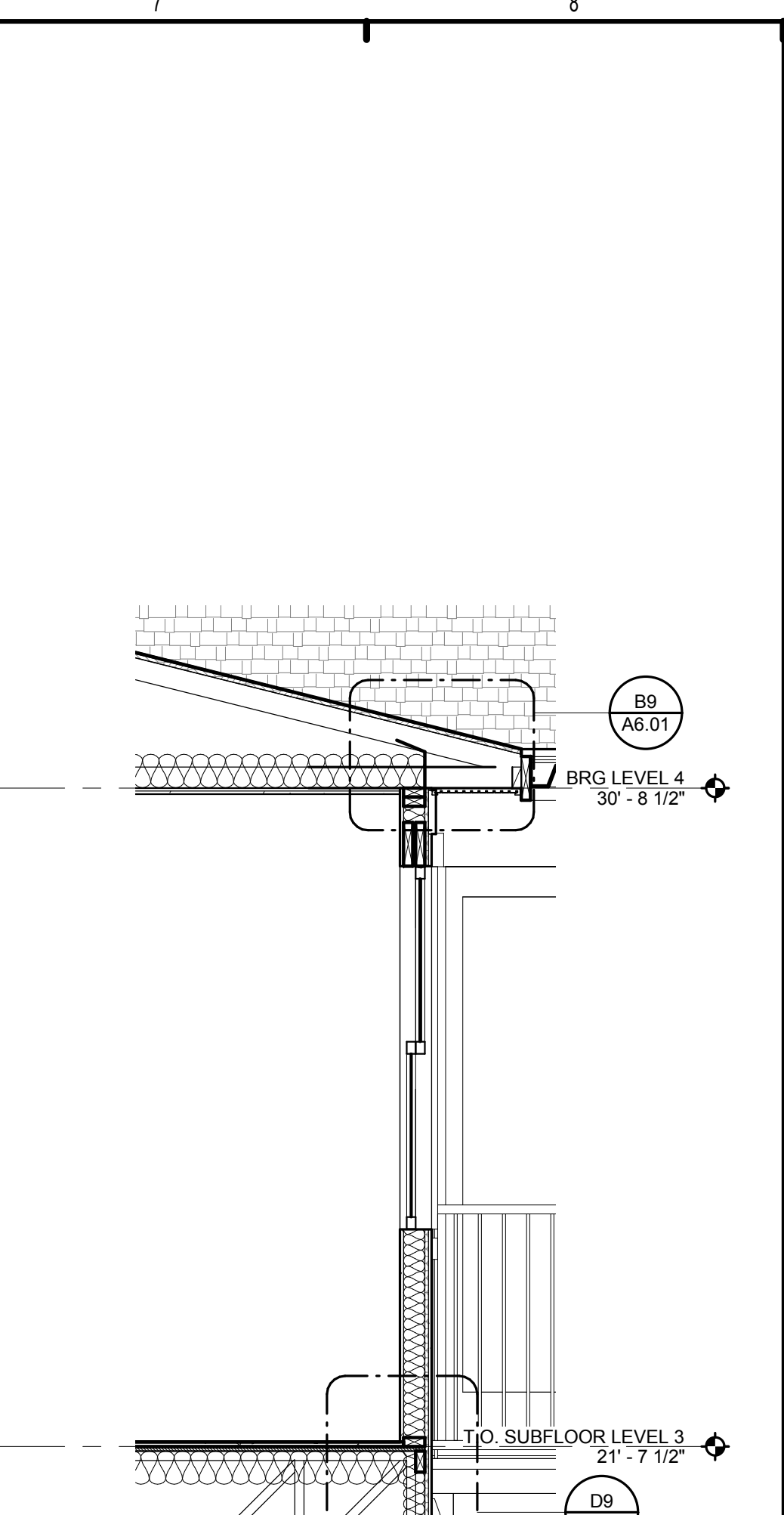
H3 WALL SECTION 20
1/2" = 1'-0" H1/ A5.03



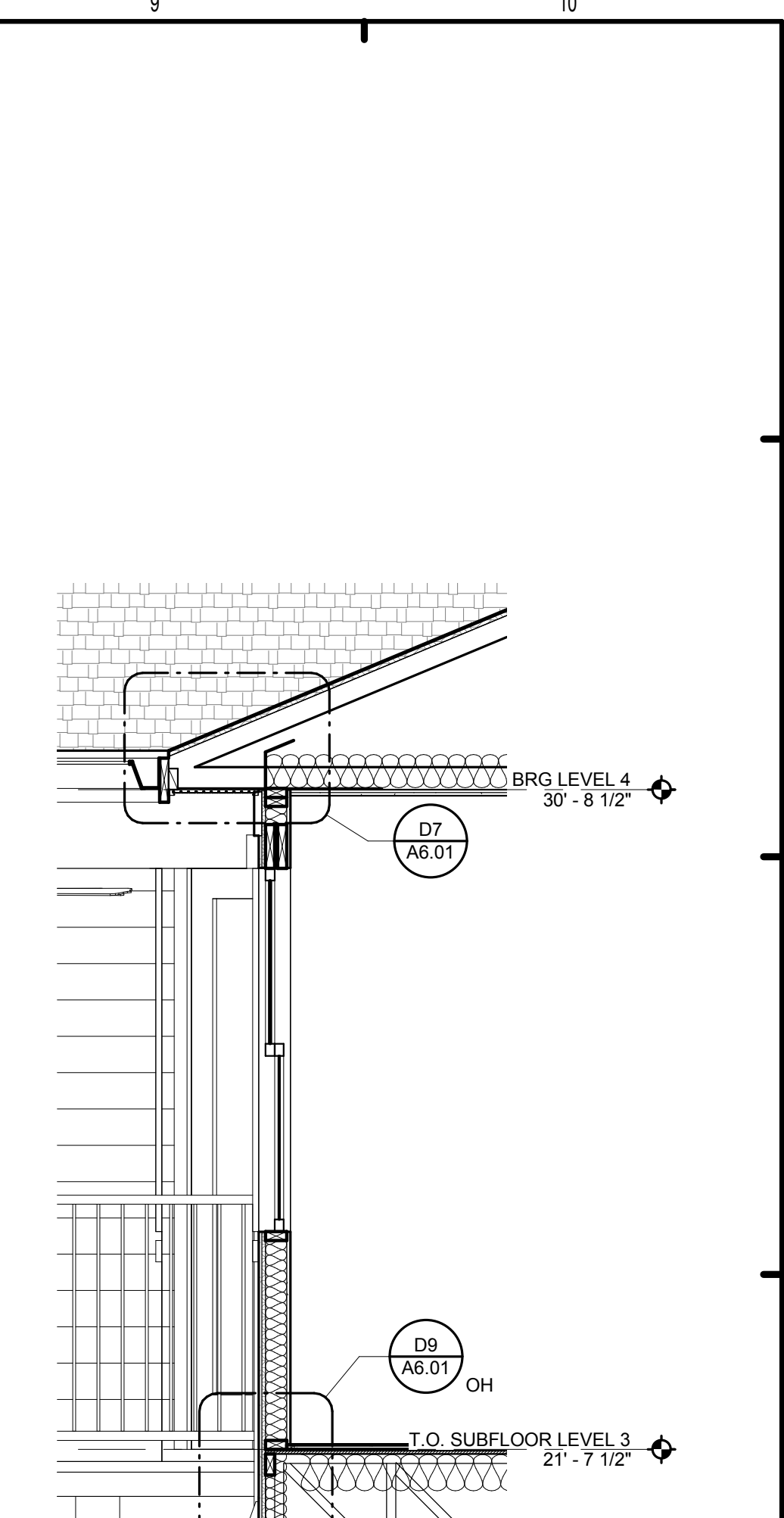
D5 WALL SECTION 19
1/2" = 1'-0" F1/ A5.03



H5 WALL SECTION 18
1/2" = 1'-0" H1/ A5.03



H7 WALL SECTION 17
1/2" = 1'-0" C6/ A5.03



H9 WALL SECTION 16
1/2" = 1'-0" C1/ A5.02

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

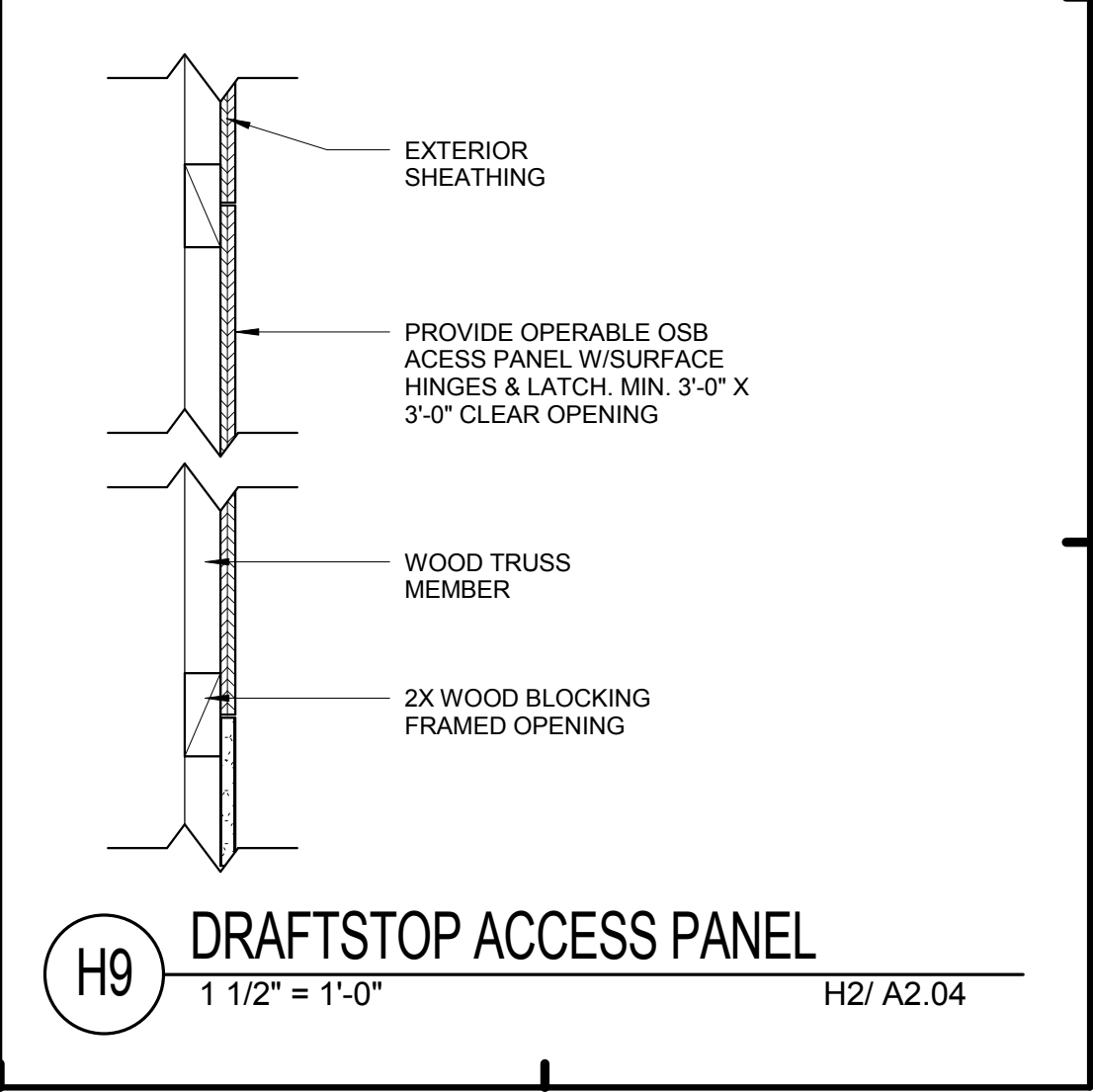
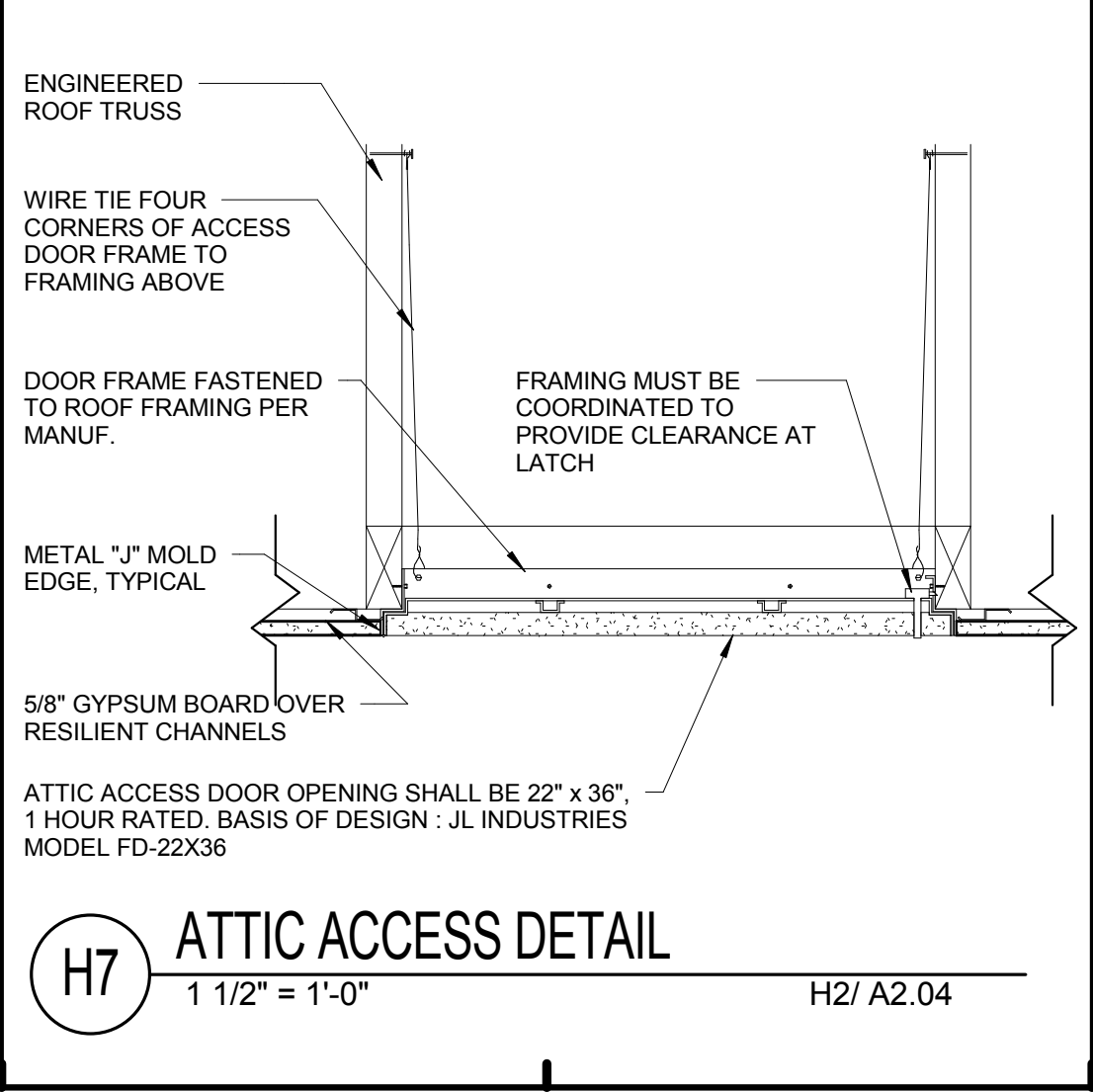
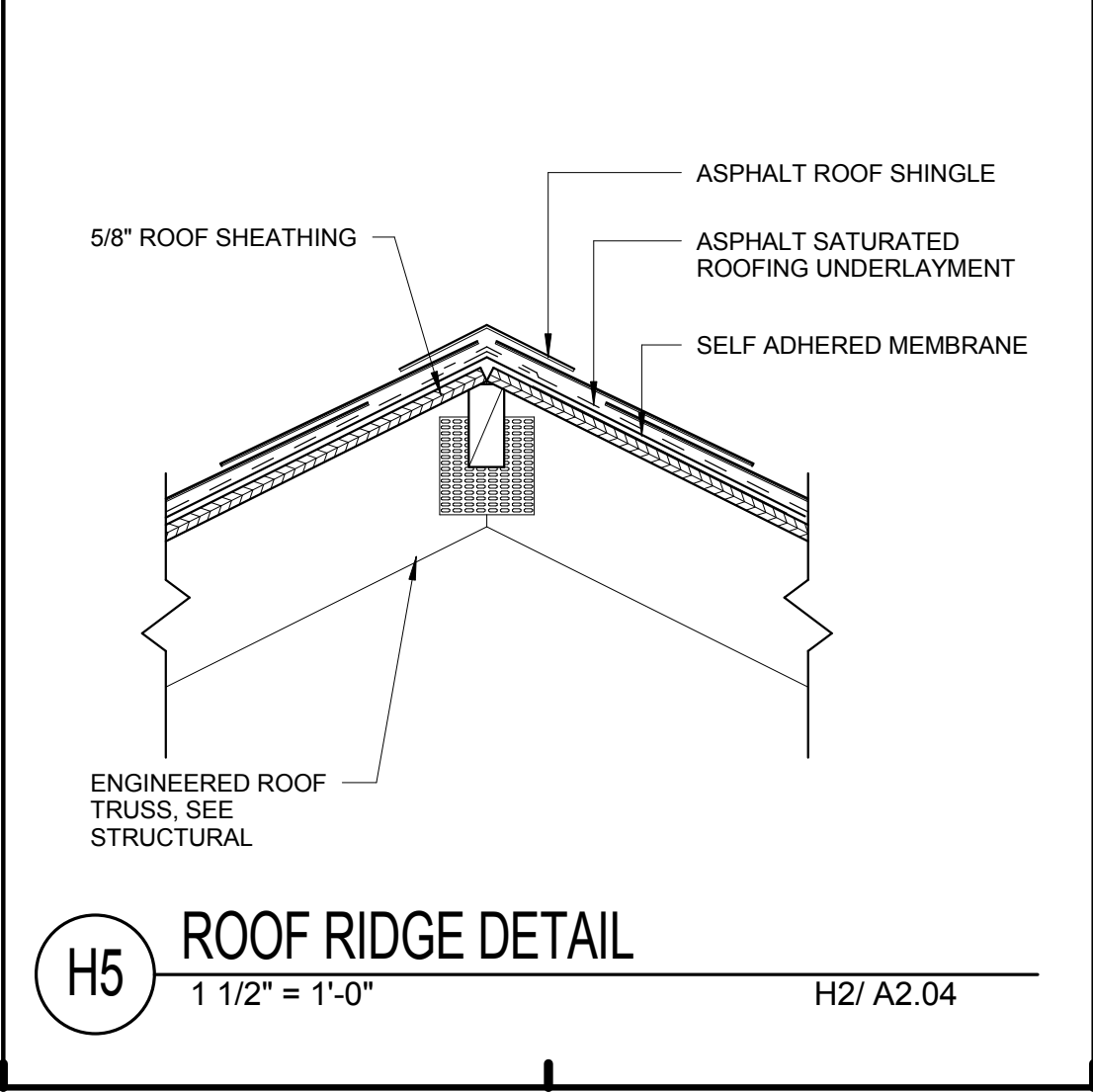
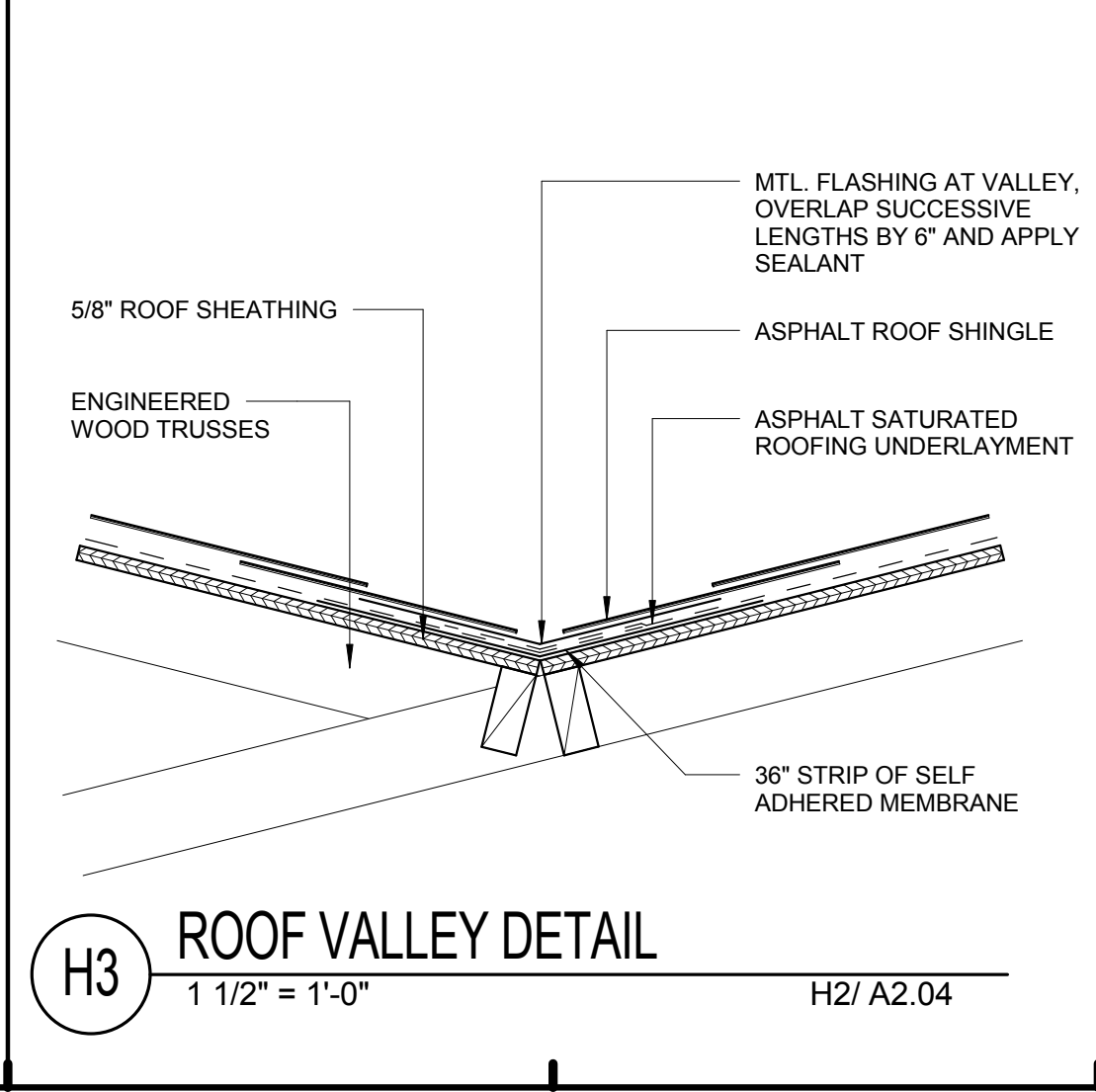
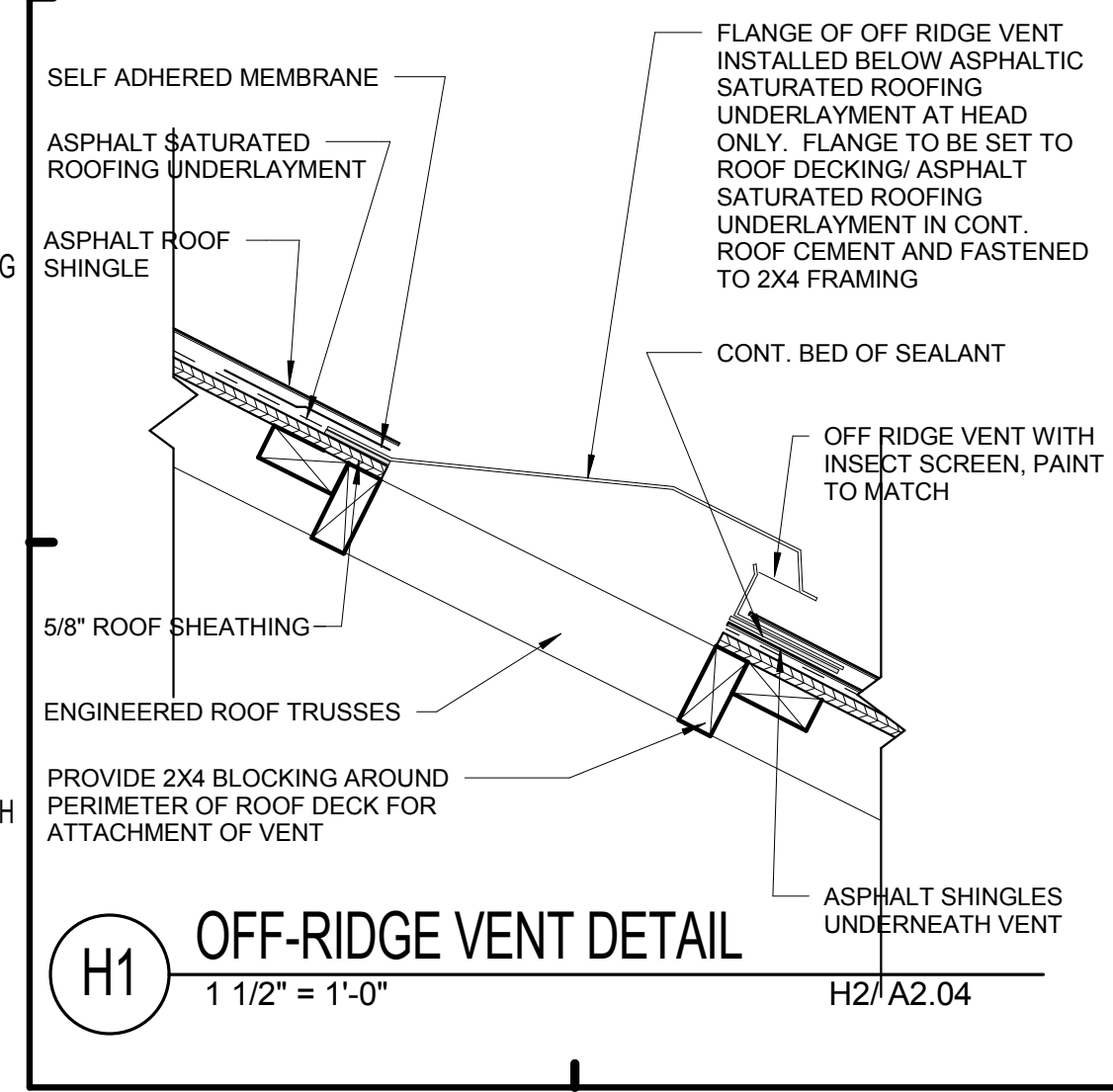
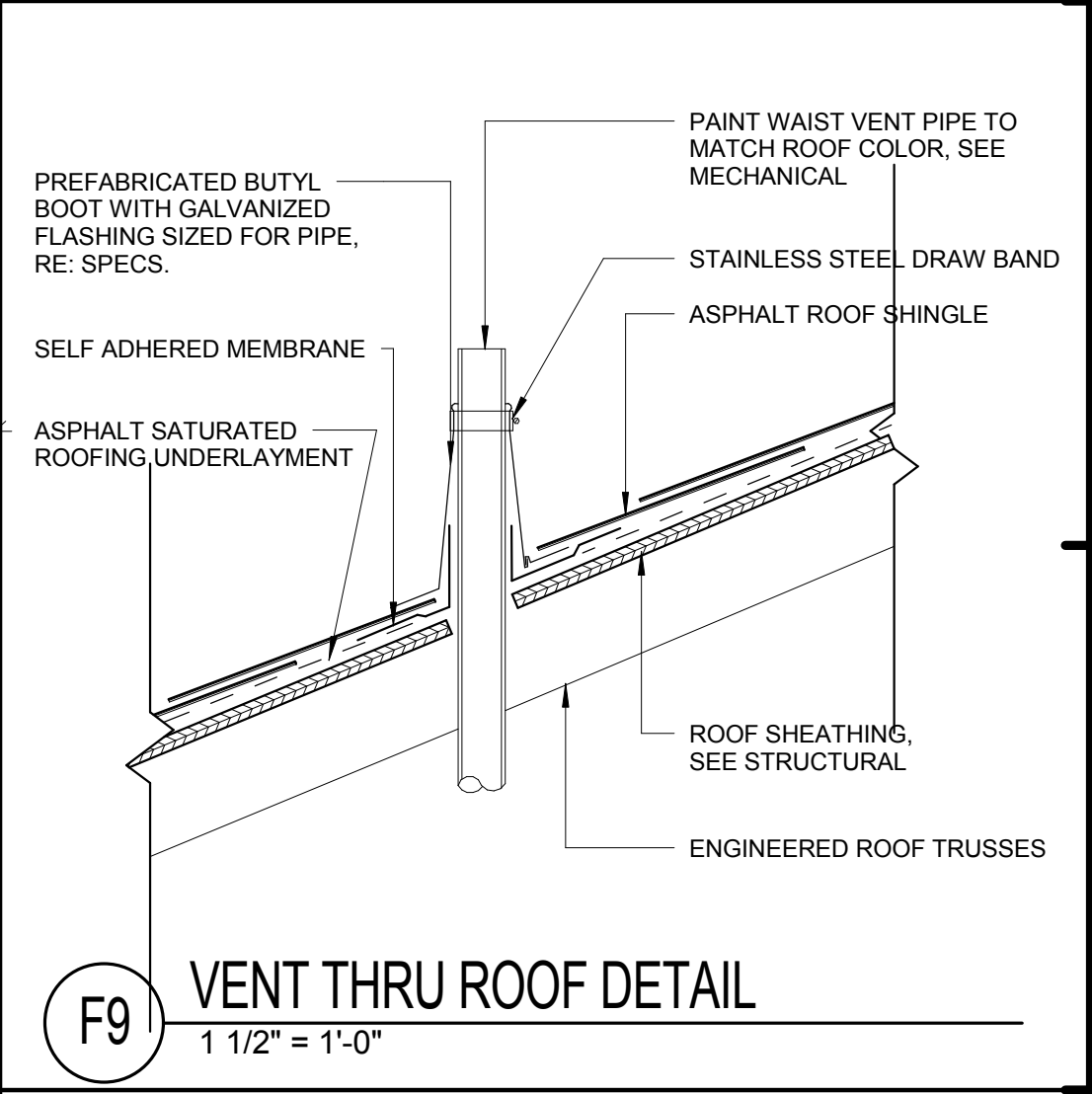
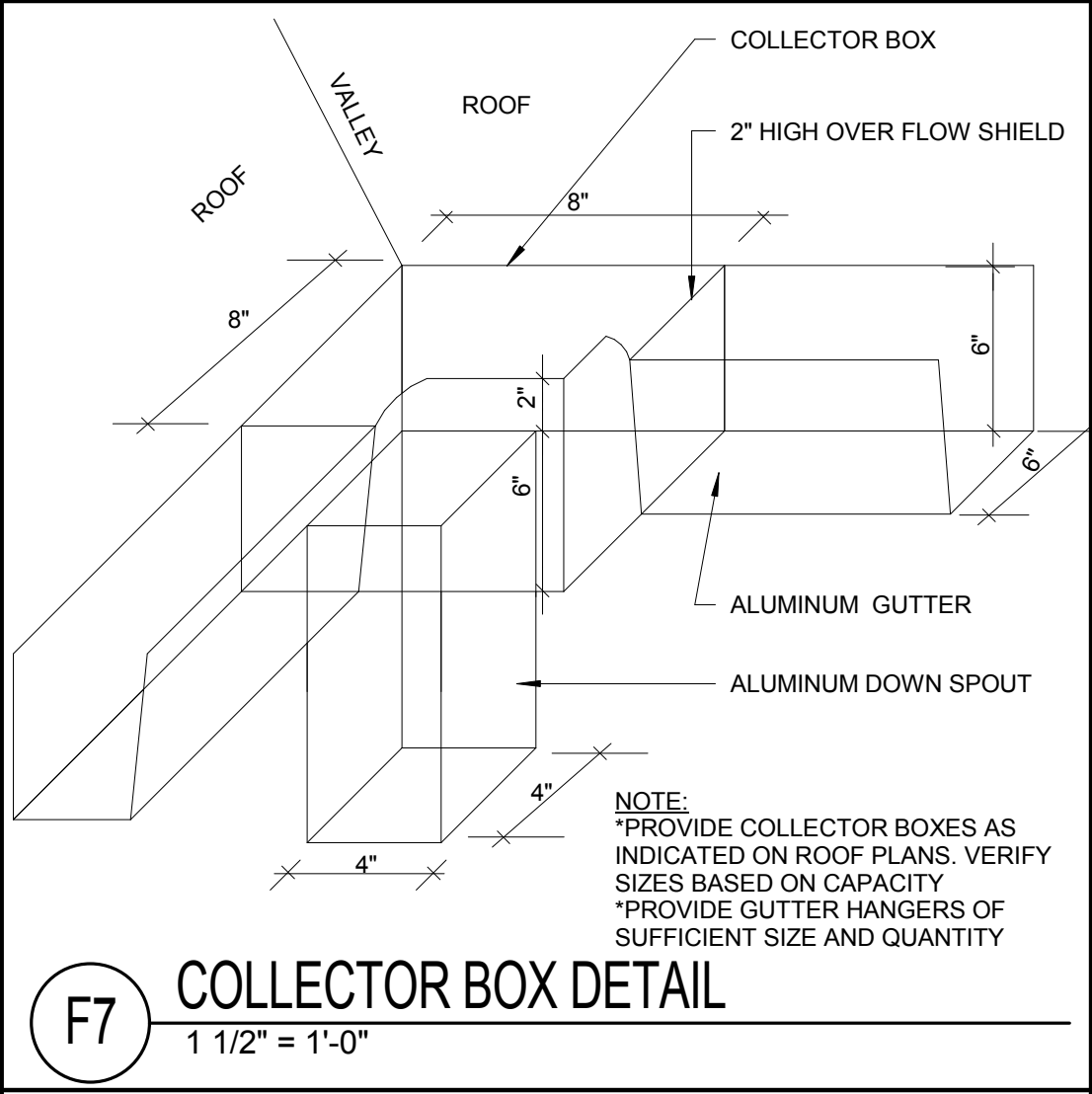
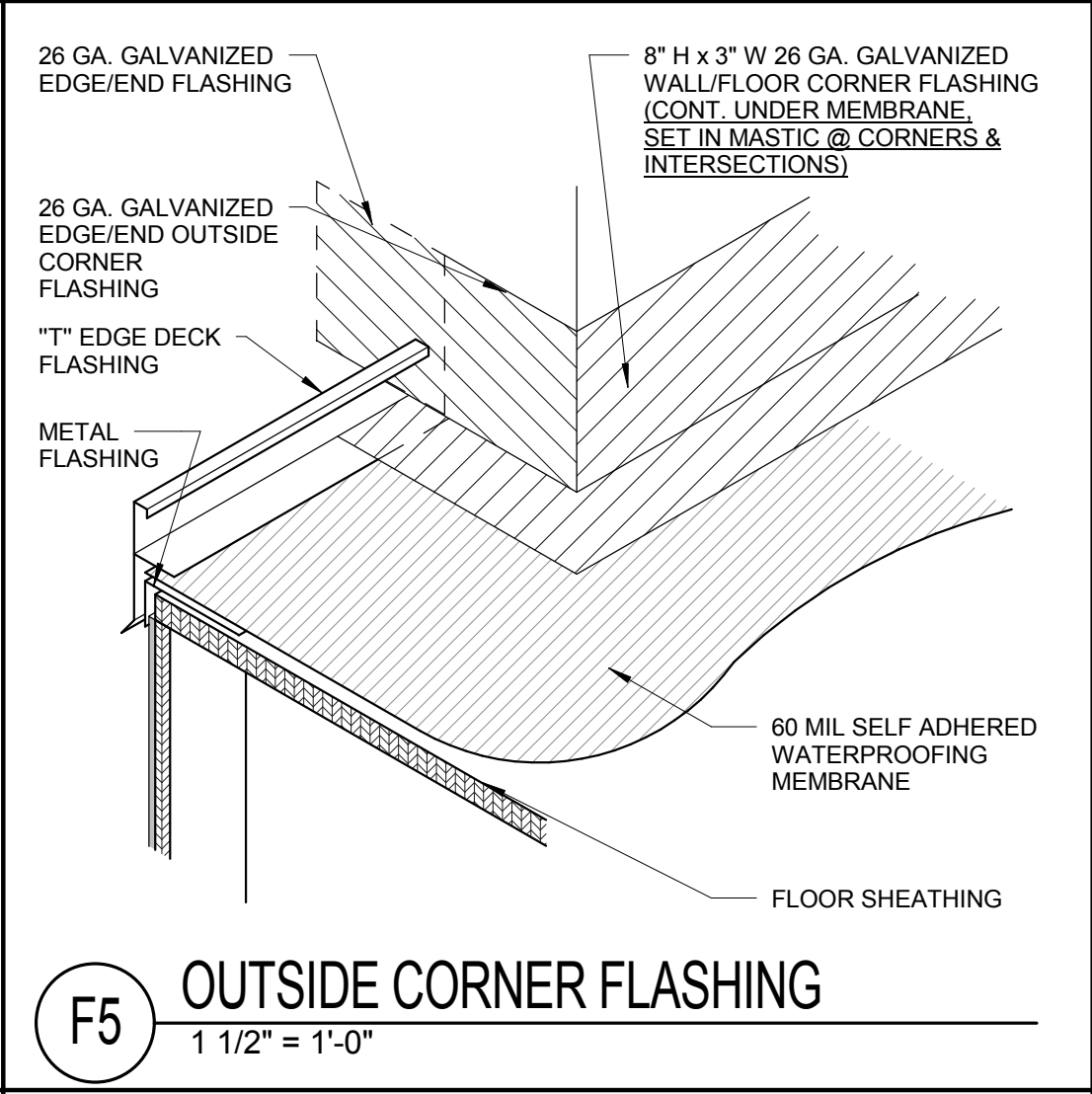
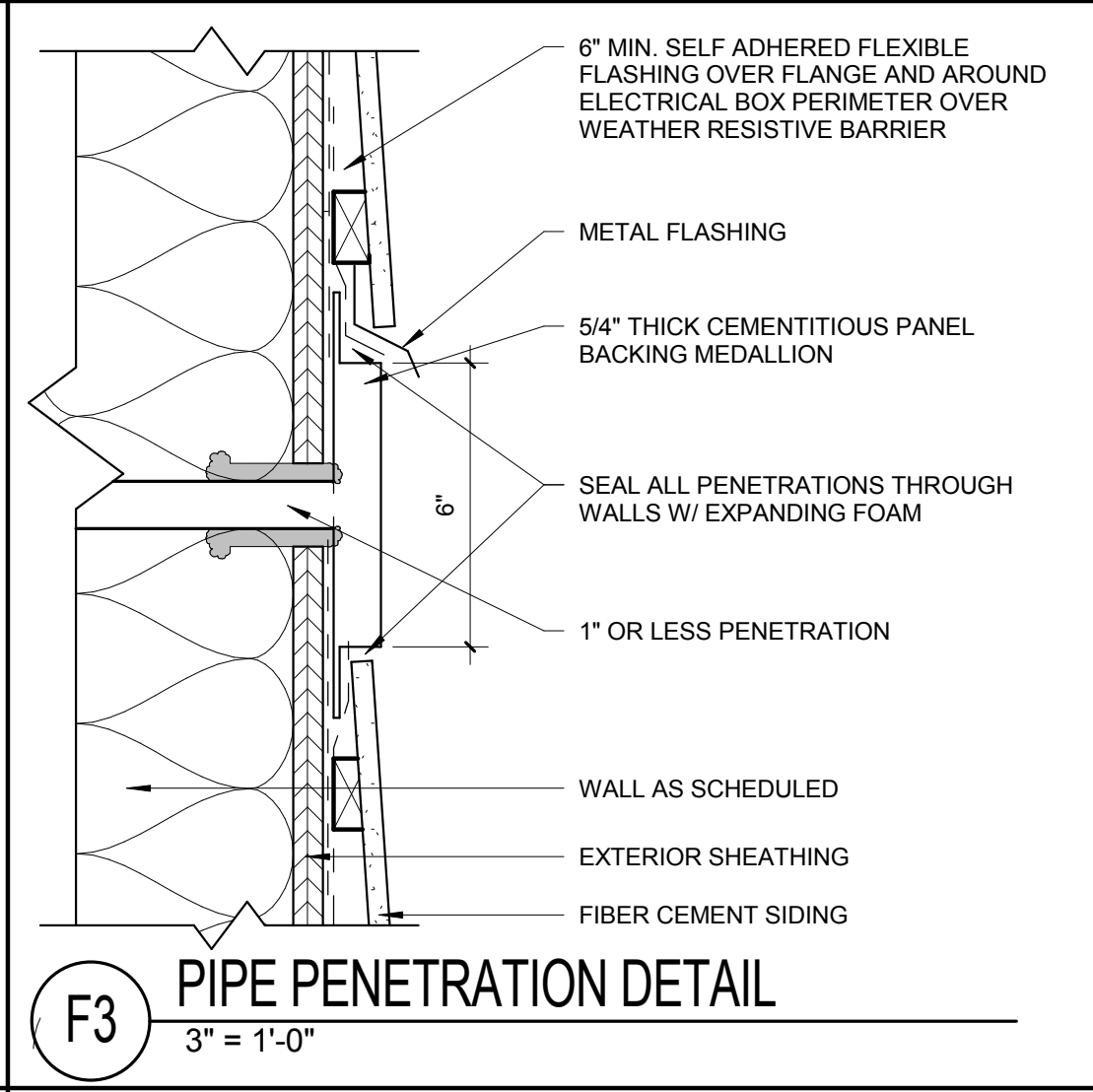
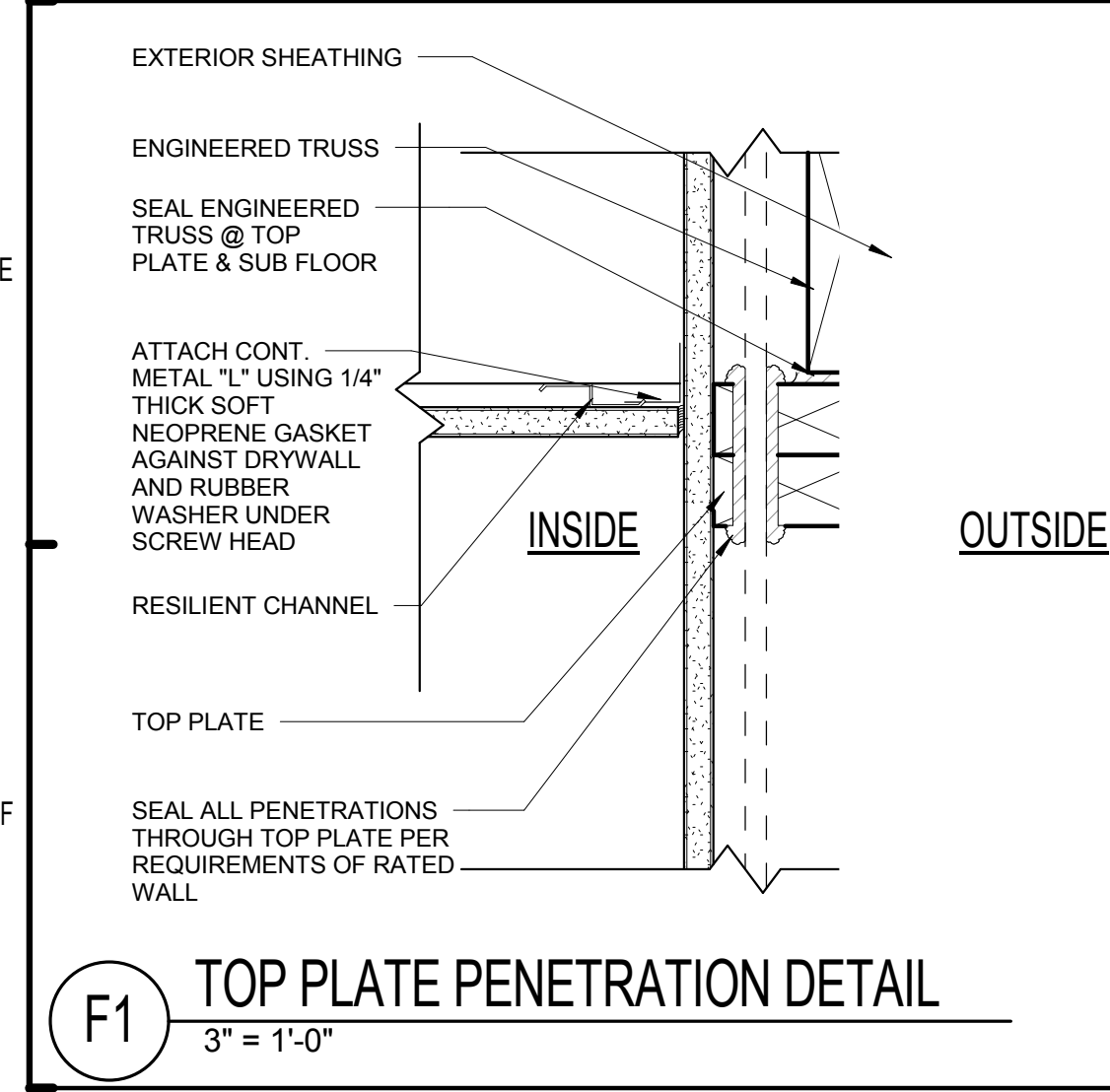
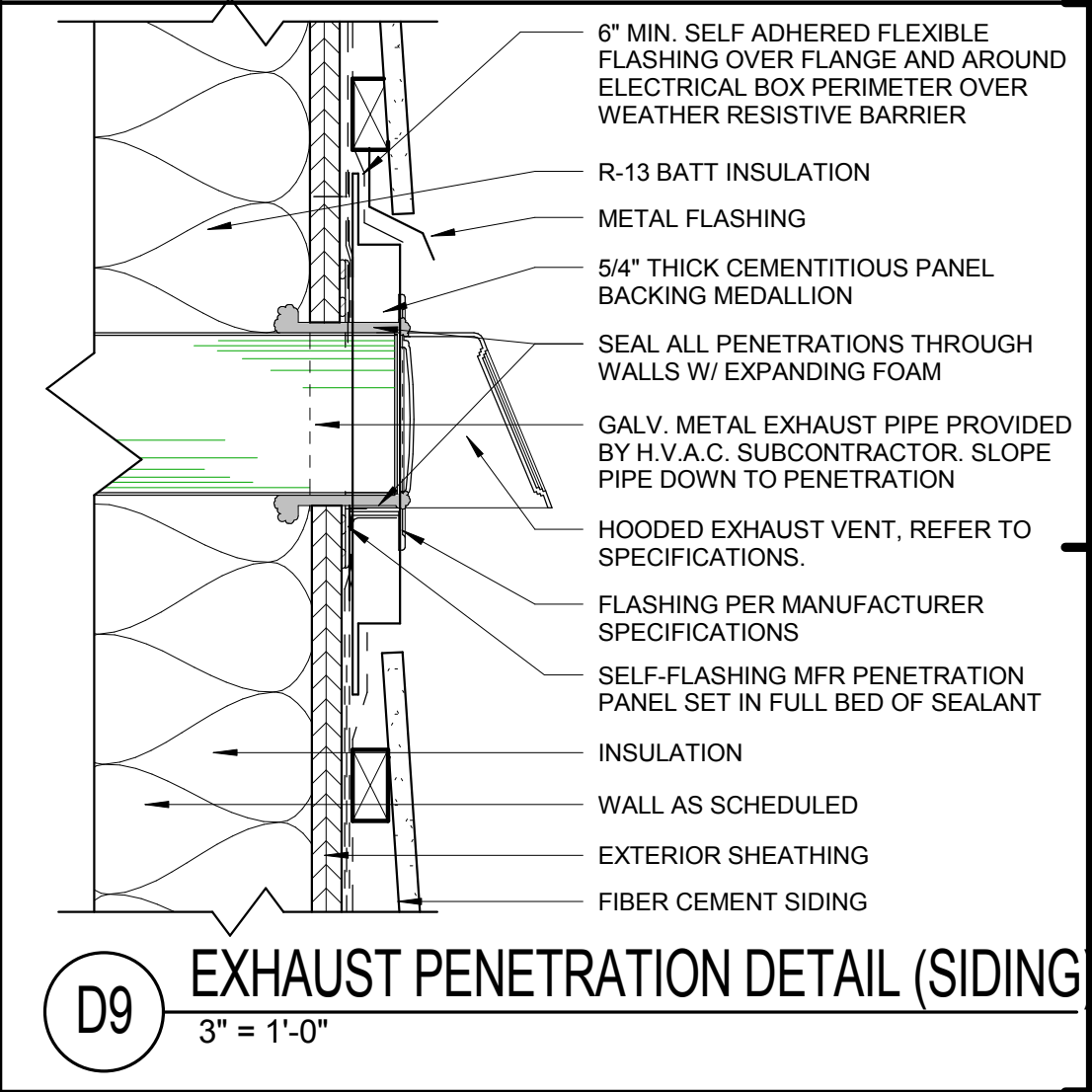
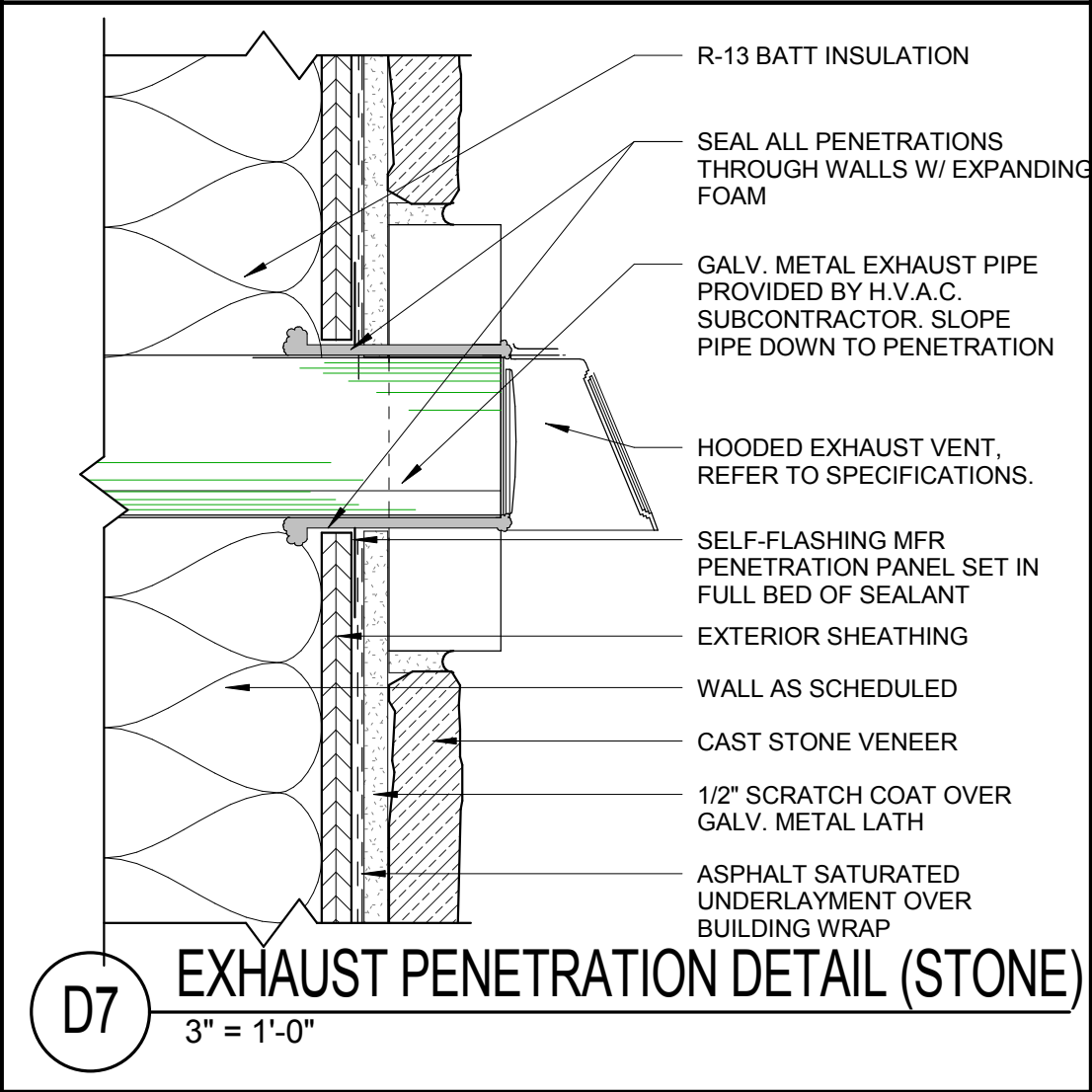
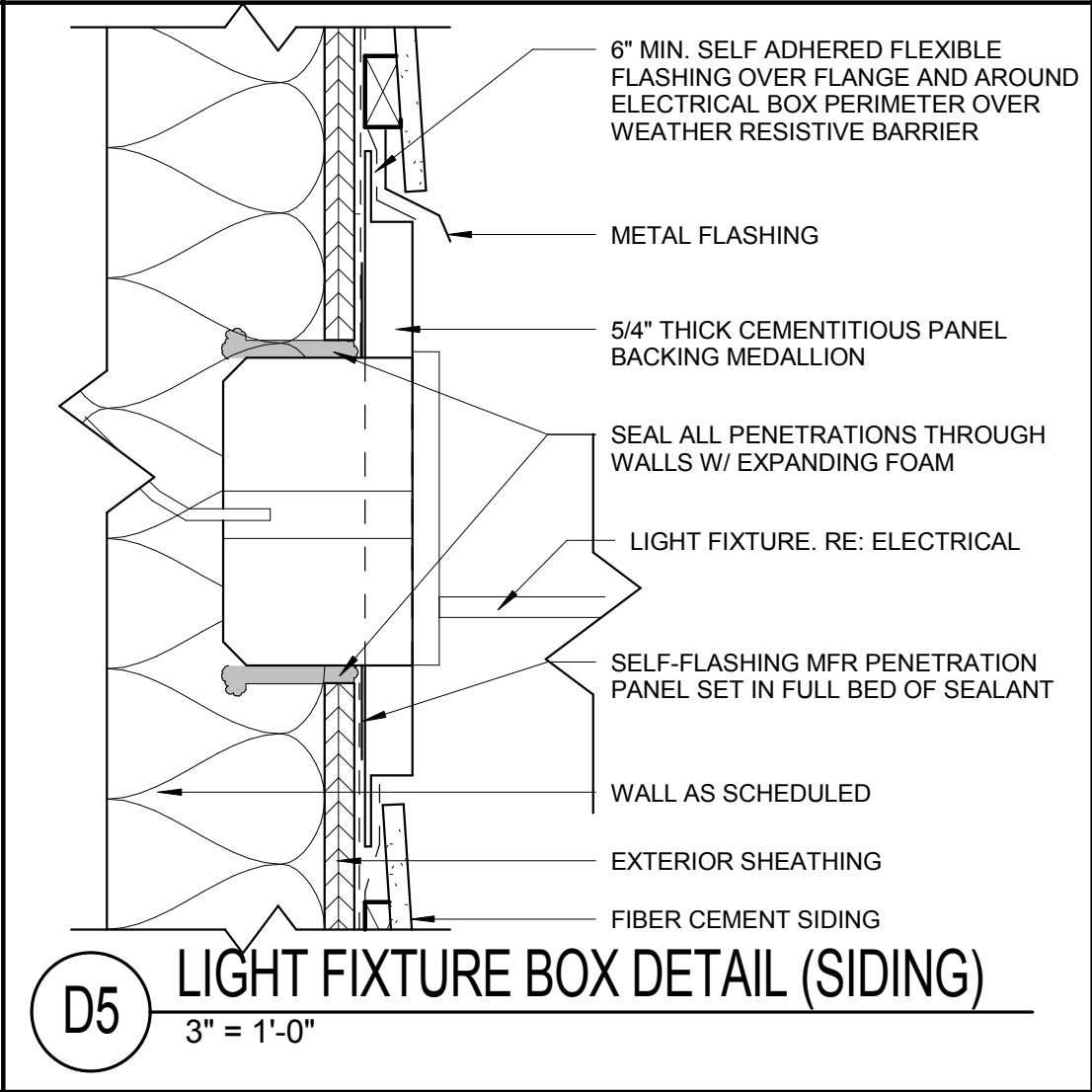
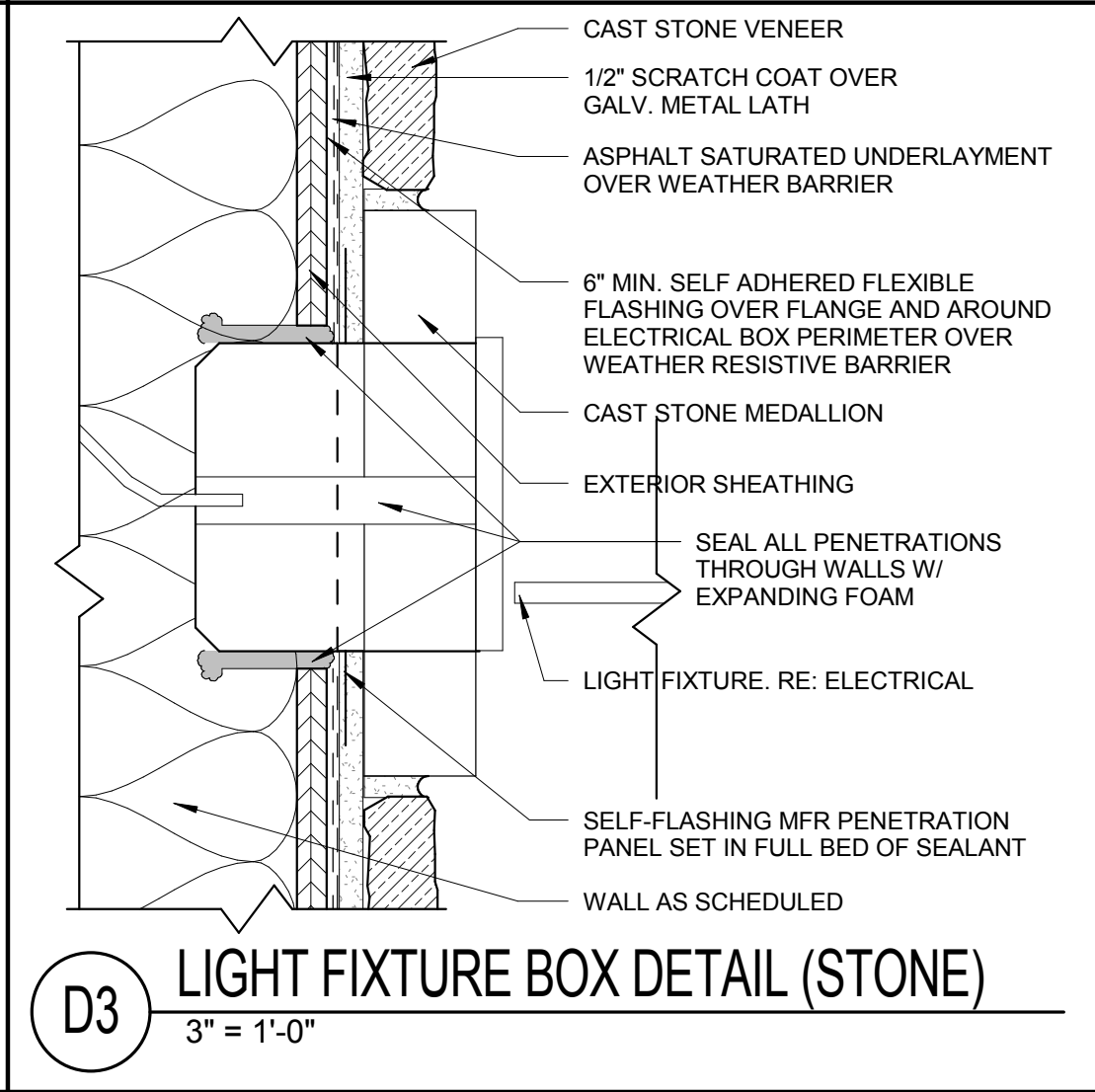
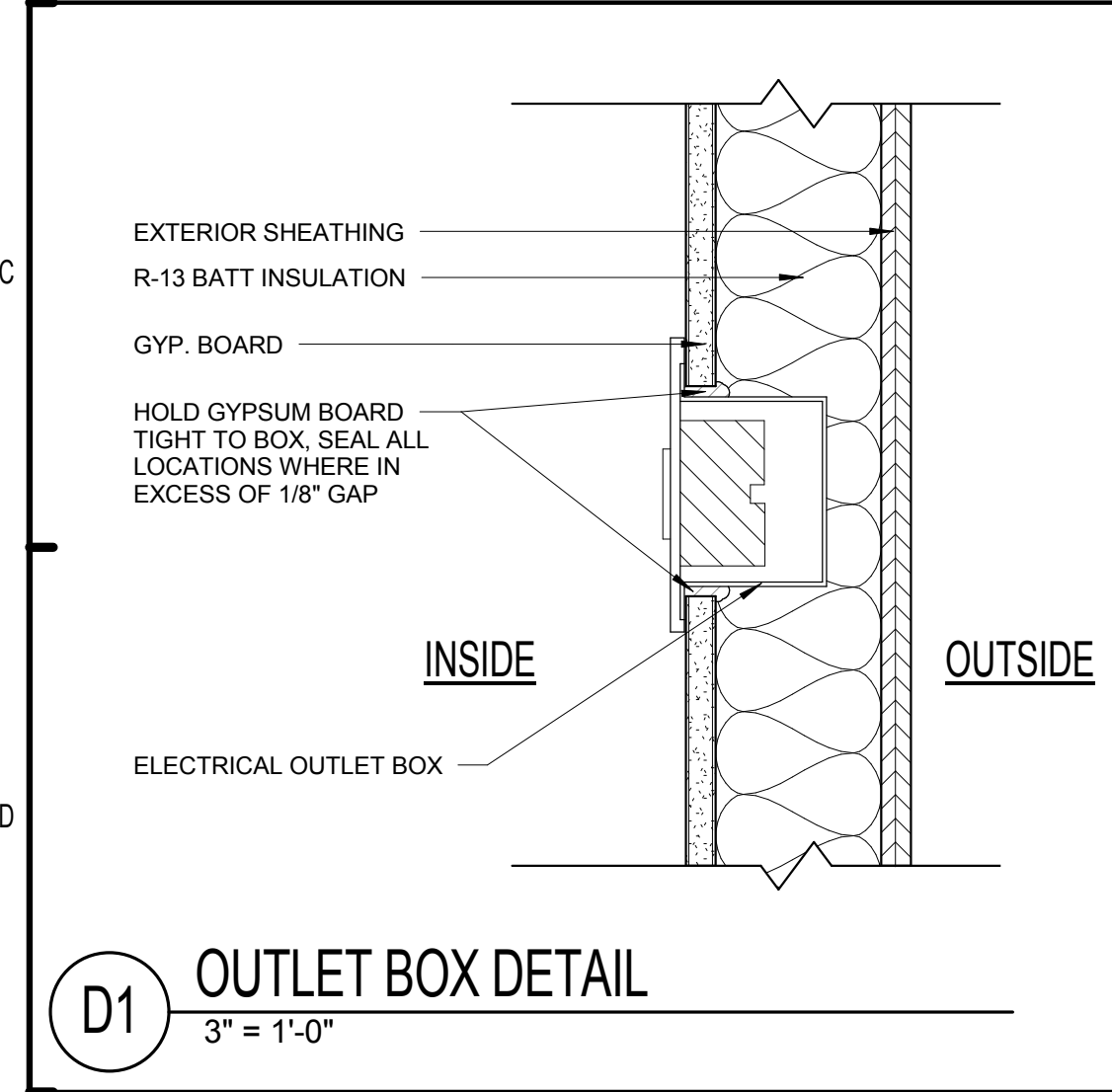
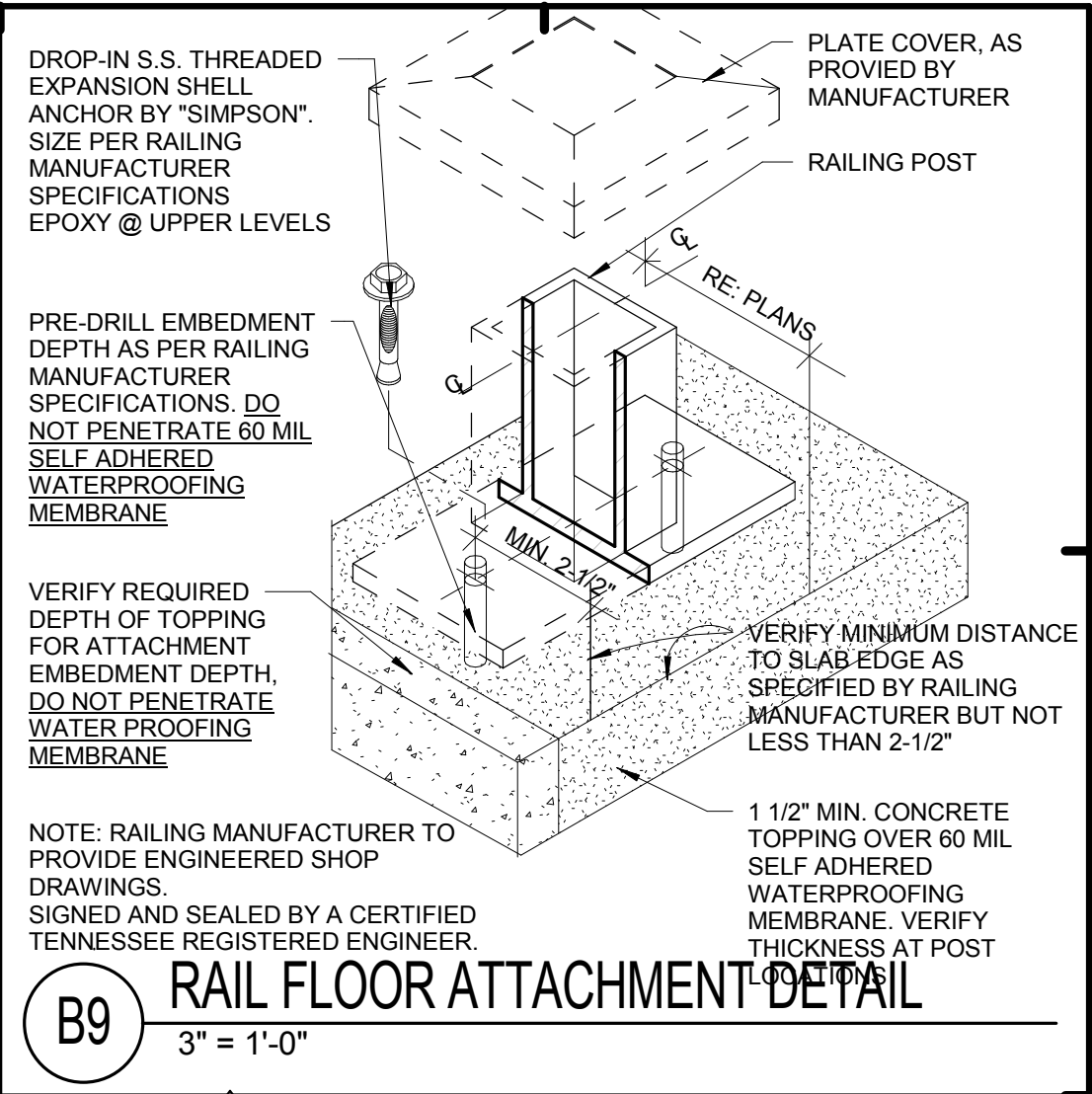
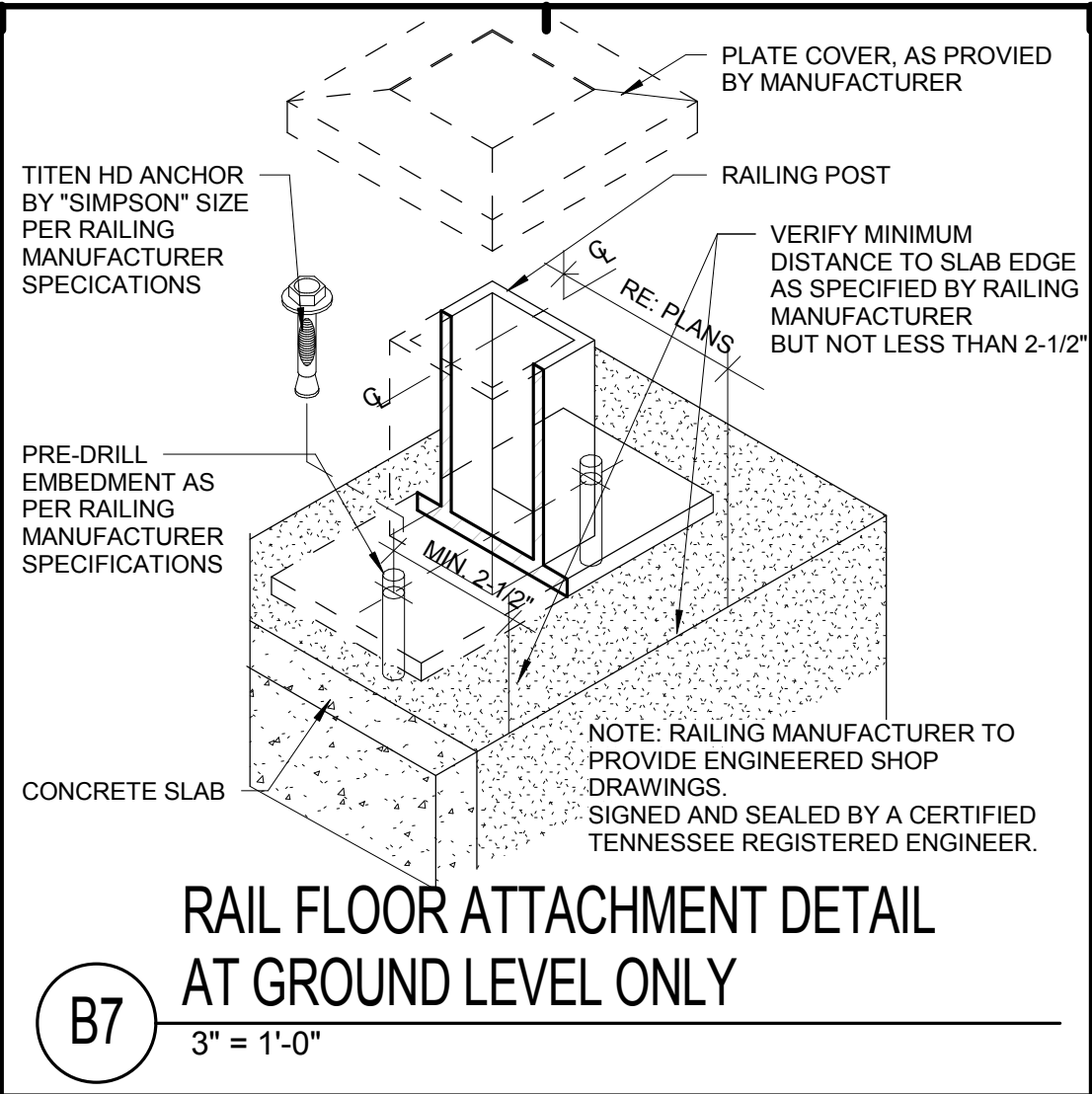
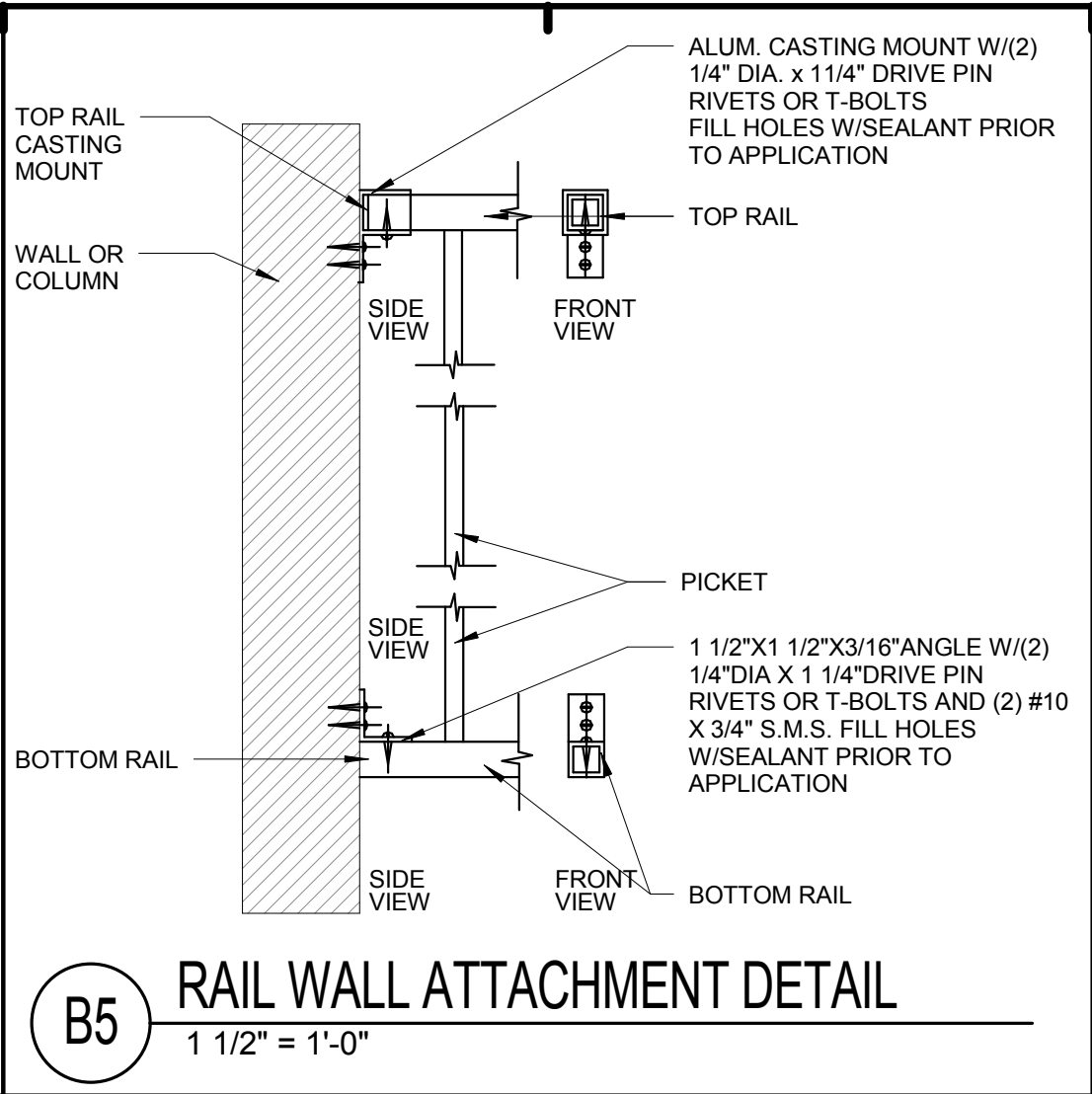
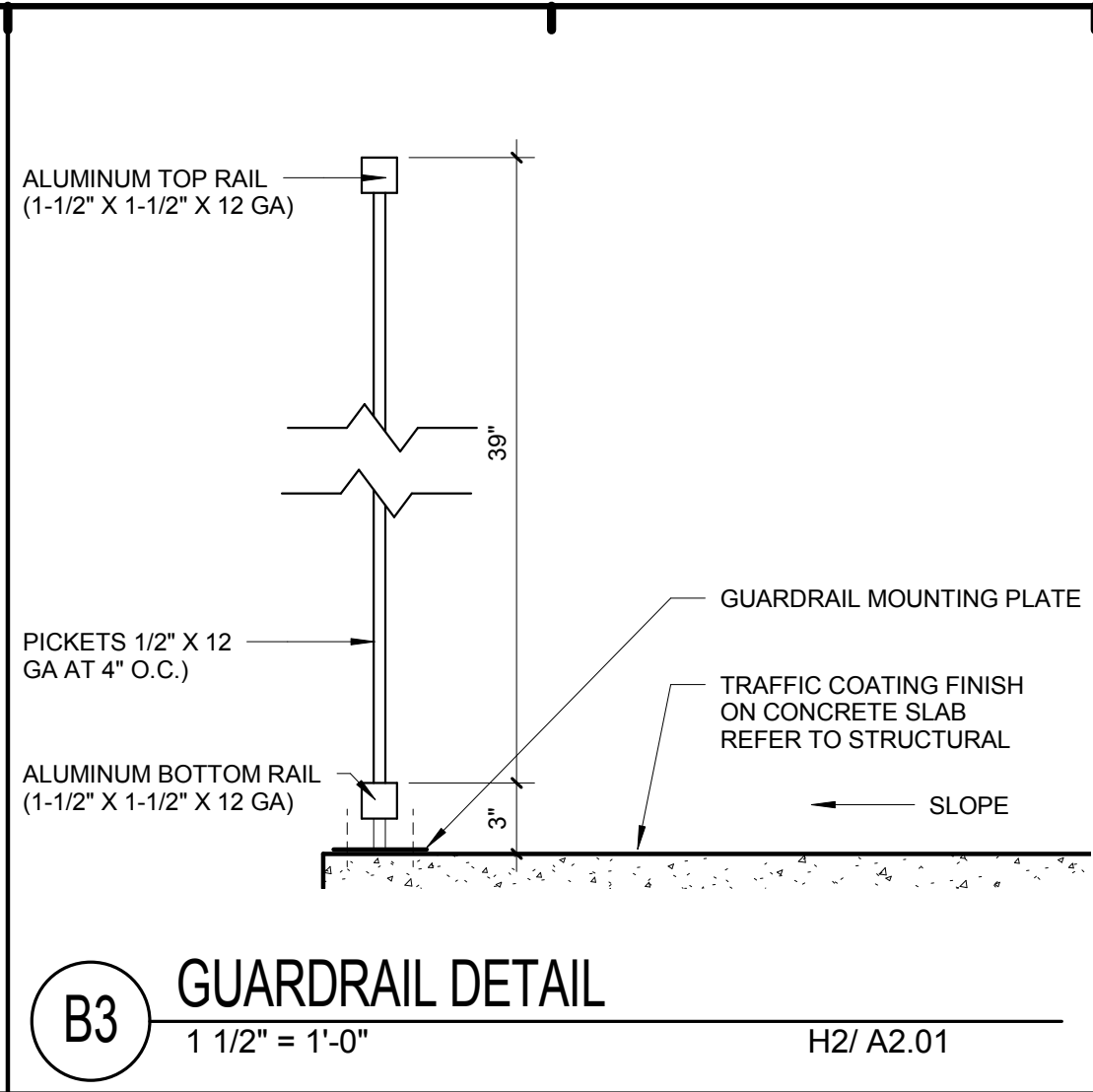
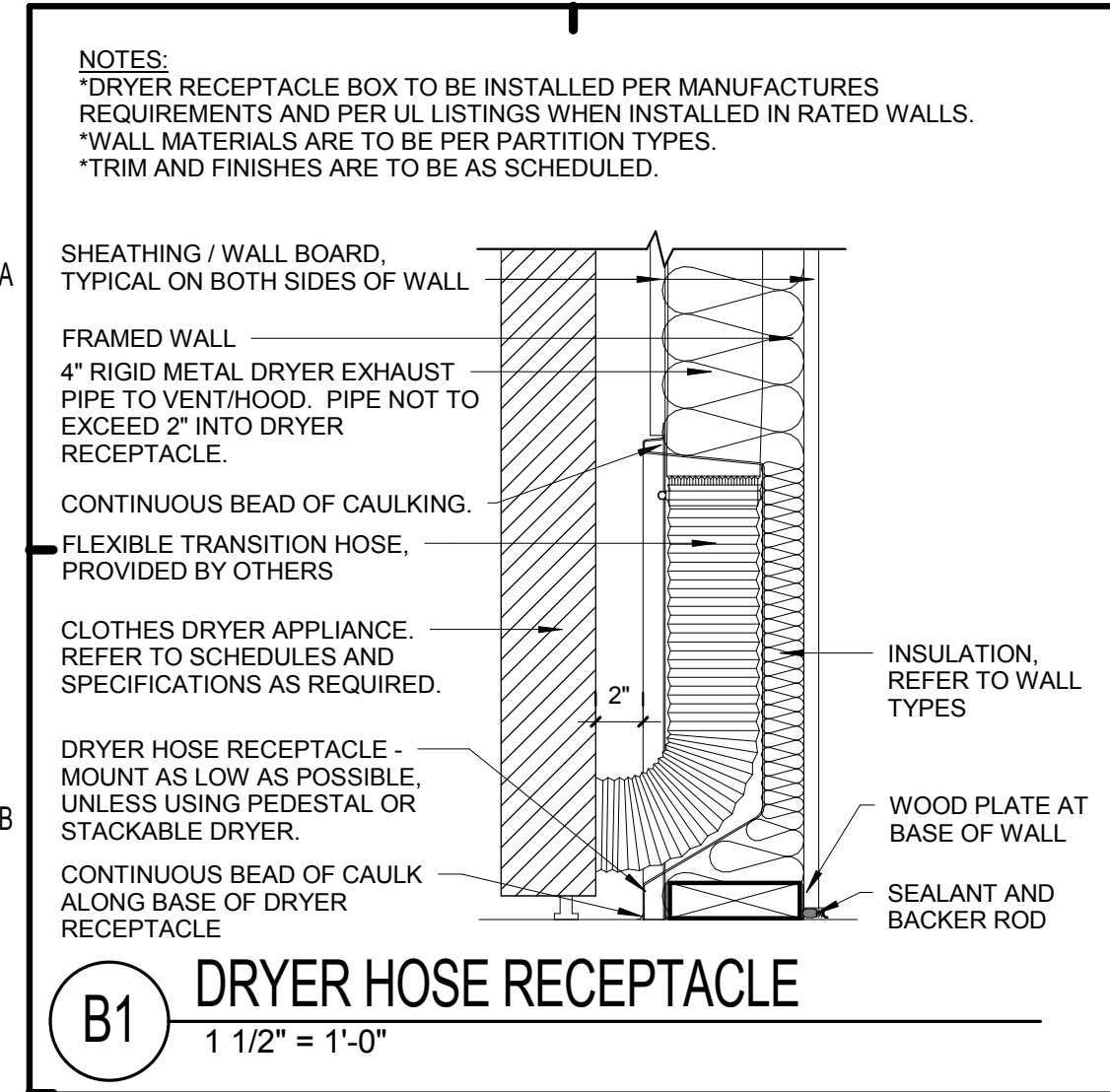
REVISION HISTORY		
No.	Date	Description

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BRIDGEWAY APARTMENTS CHATTANOOGA, TN		Drawn: FZ Checked: PF Approval: PF Date: 04/29/2013 Project #: 5166.400
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WALL SECTIONS		A5.13
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PATRICK D. FITCH LICENSE # 103195	
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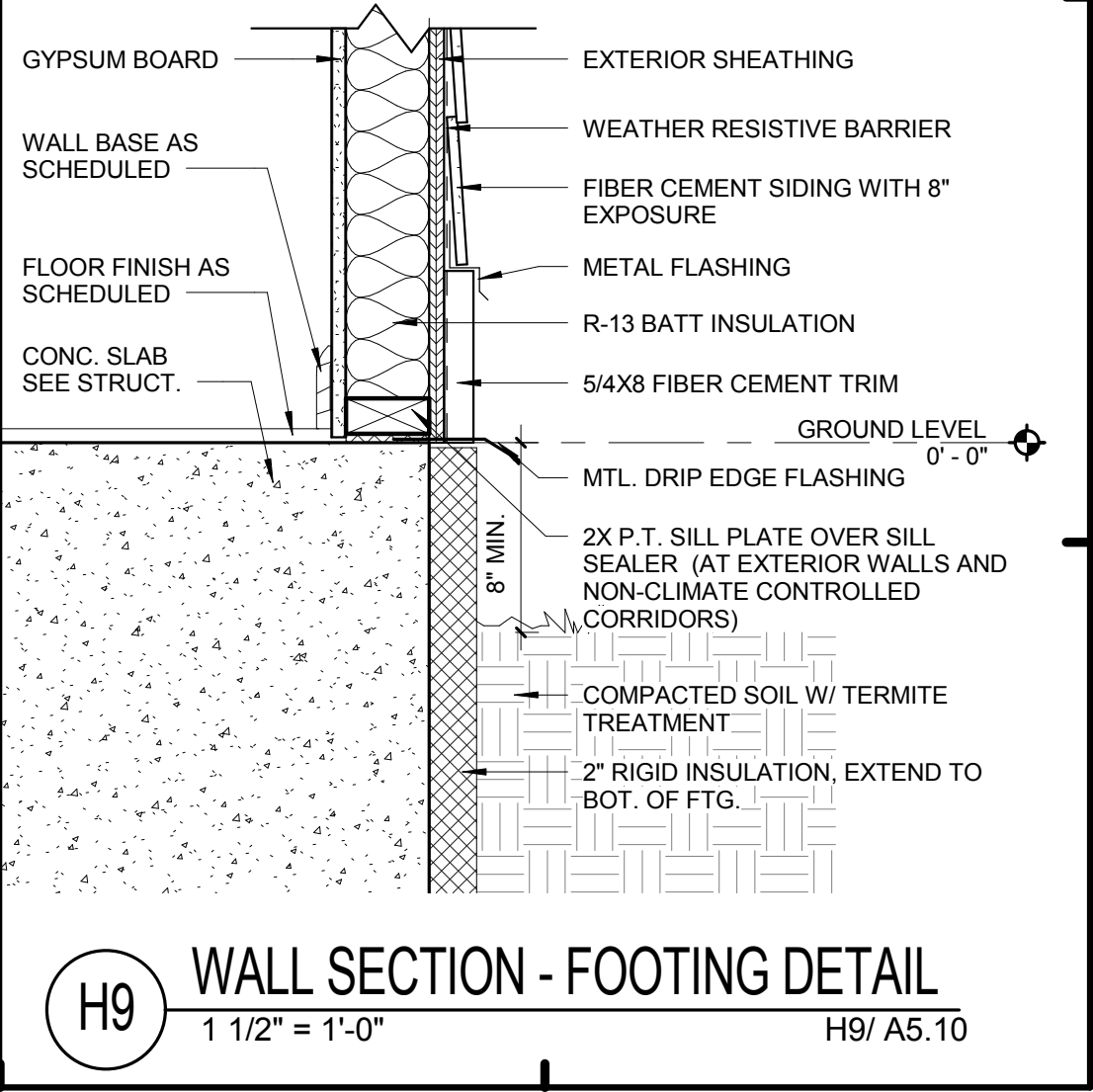
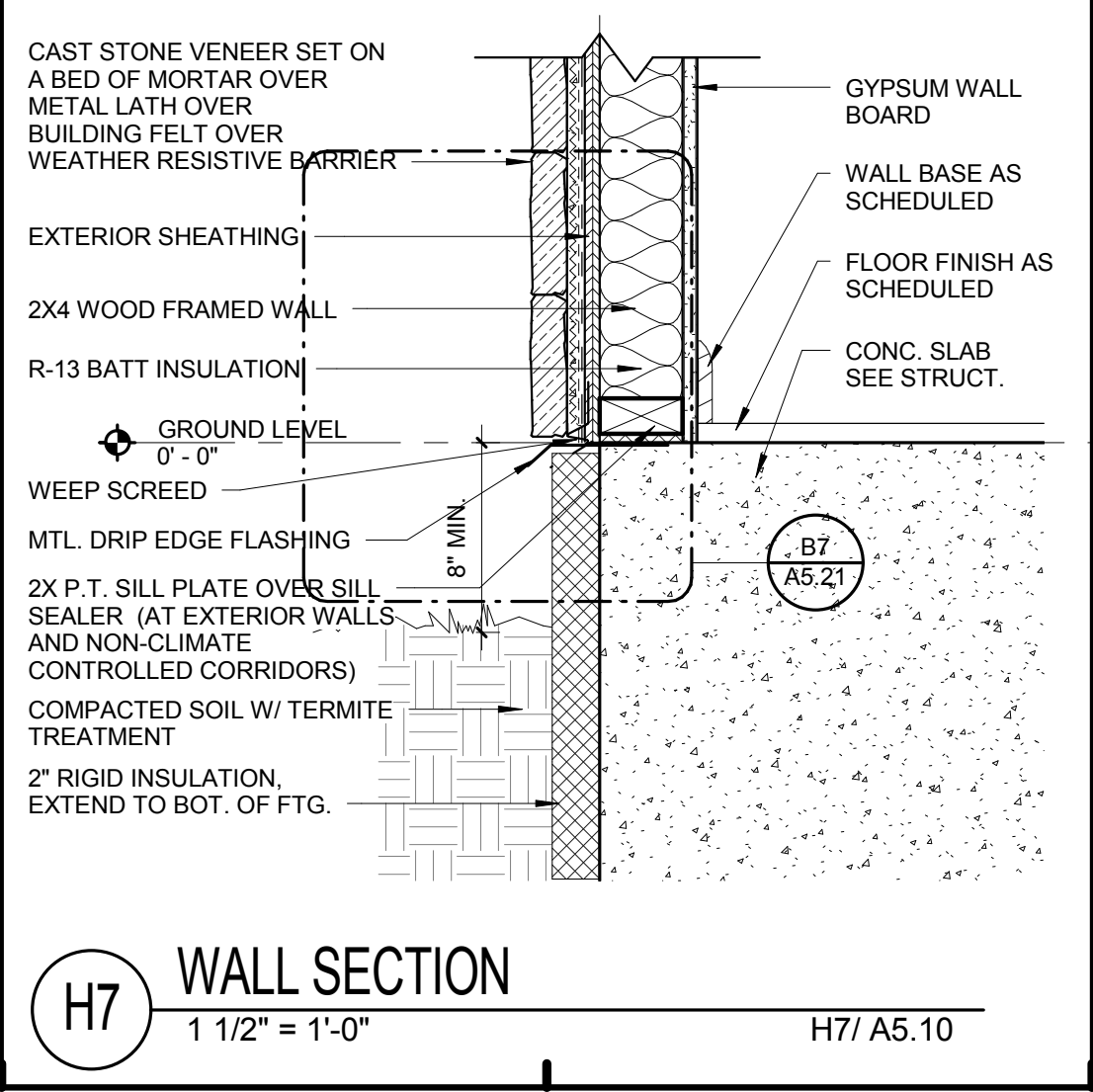
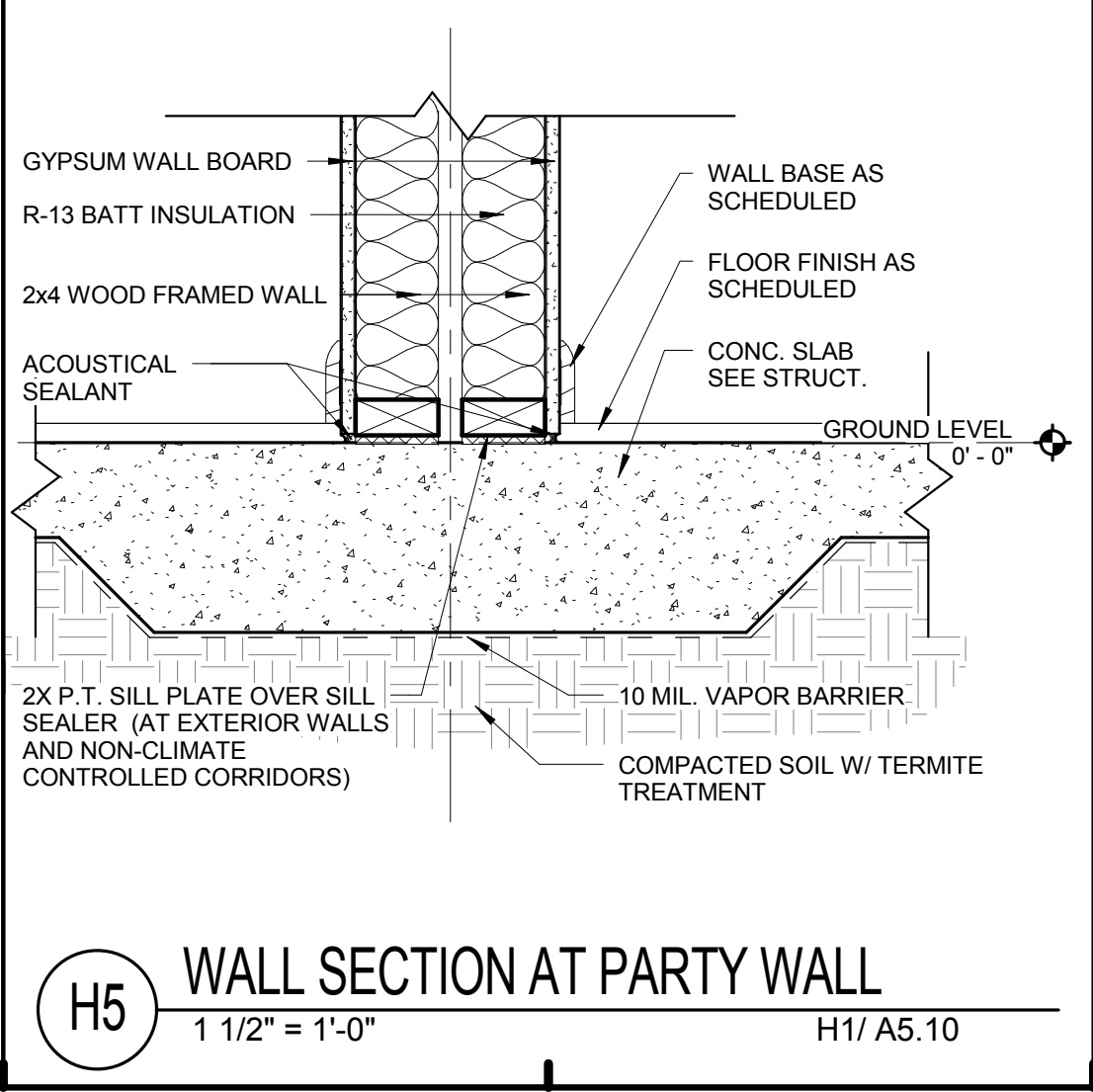
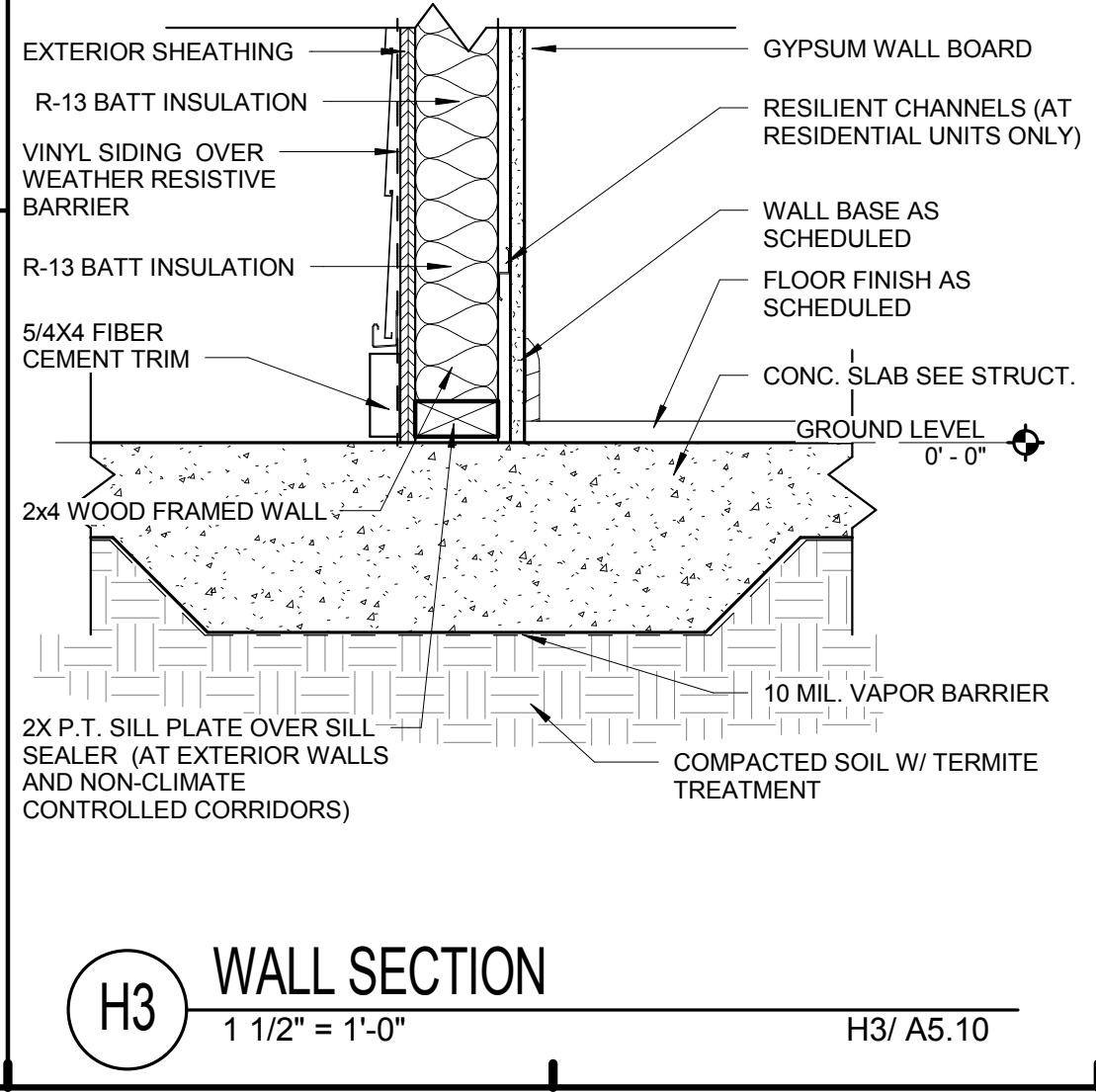
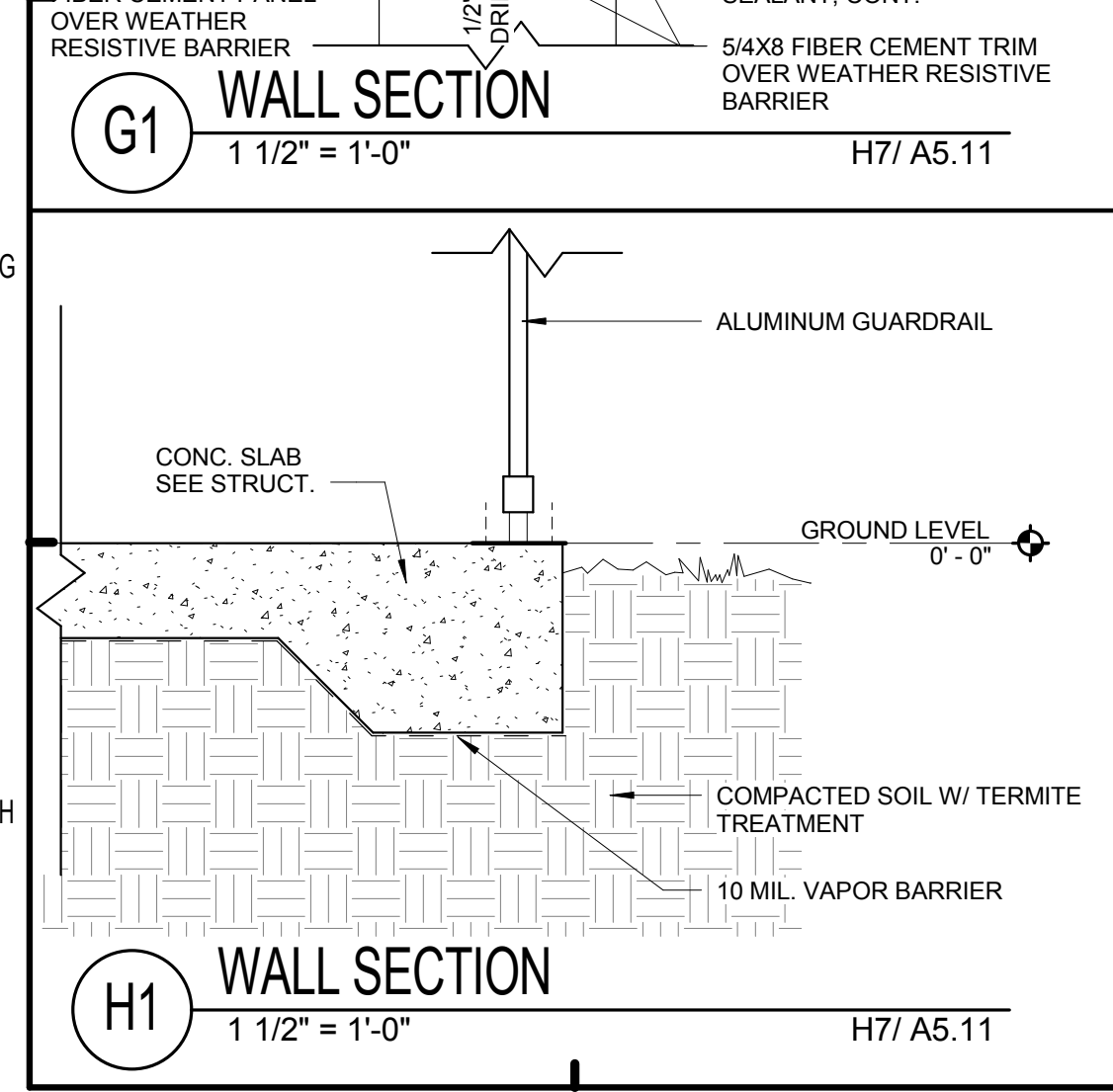
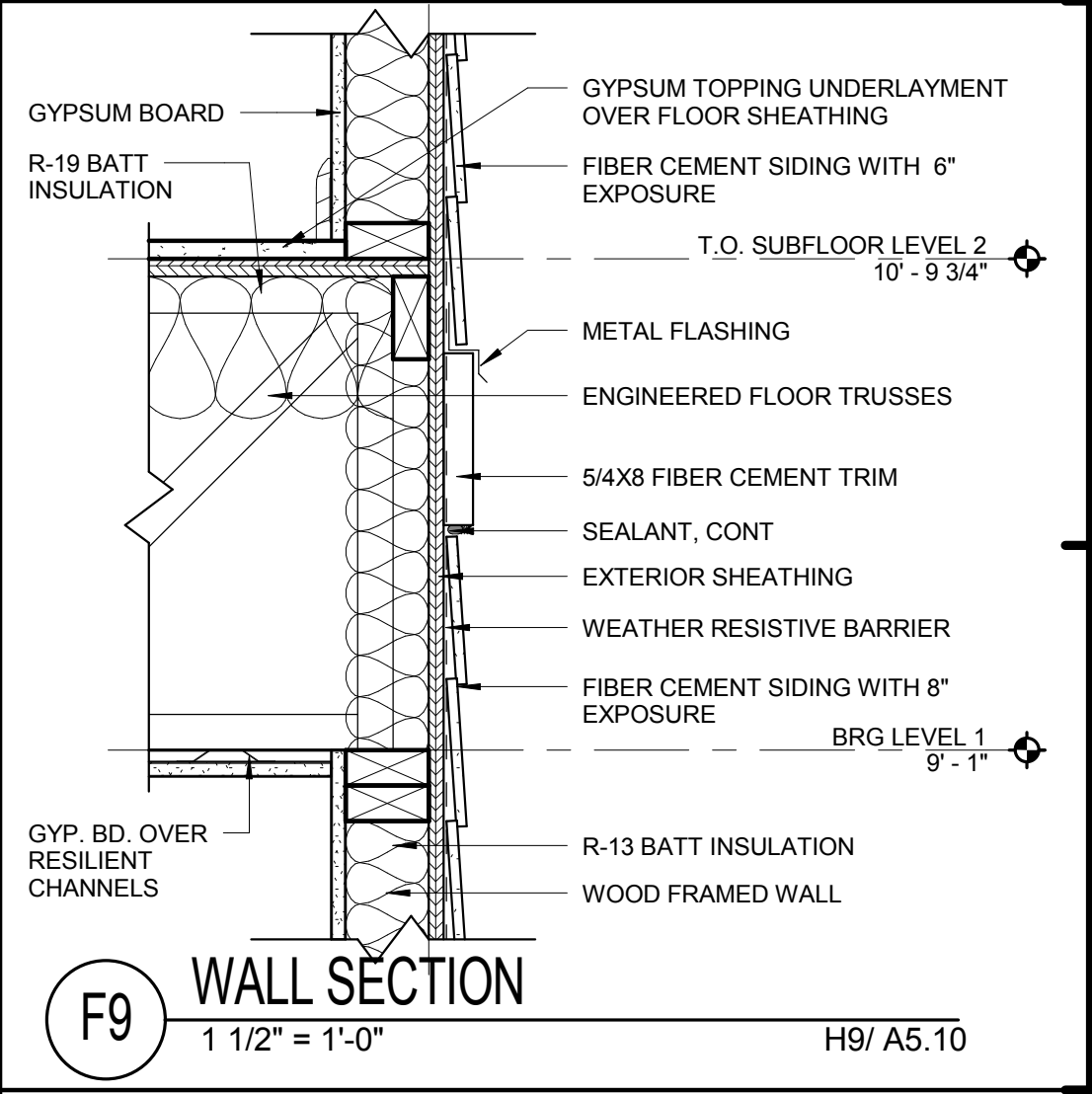
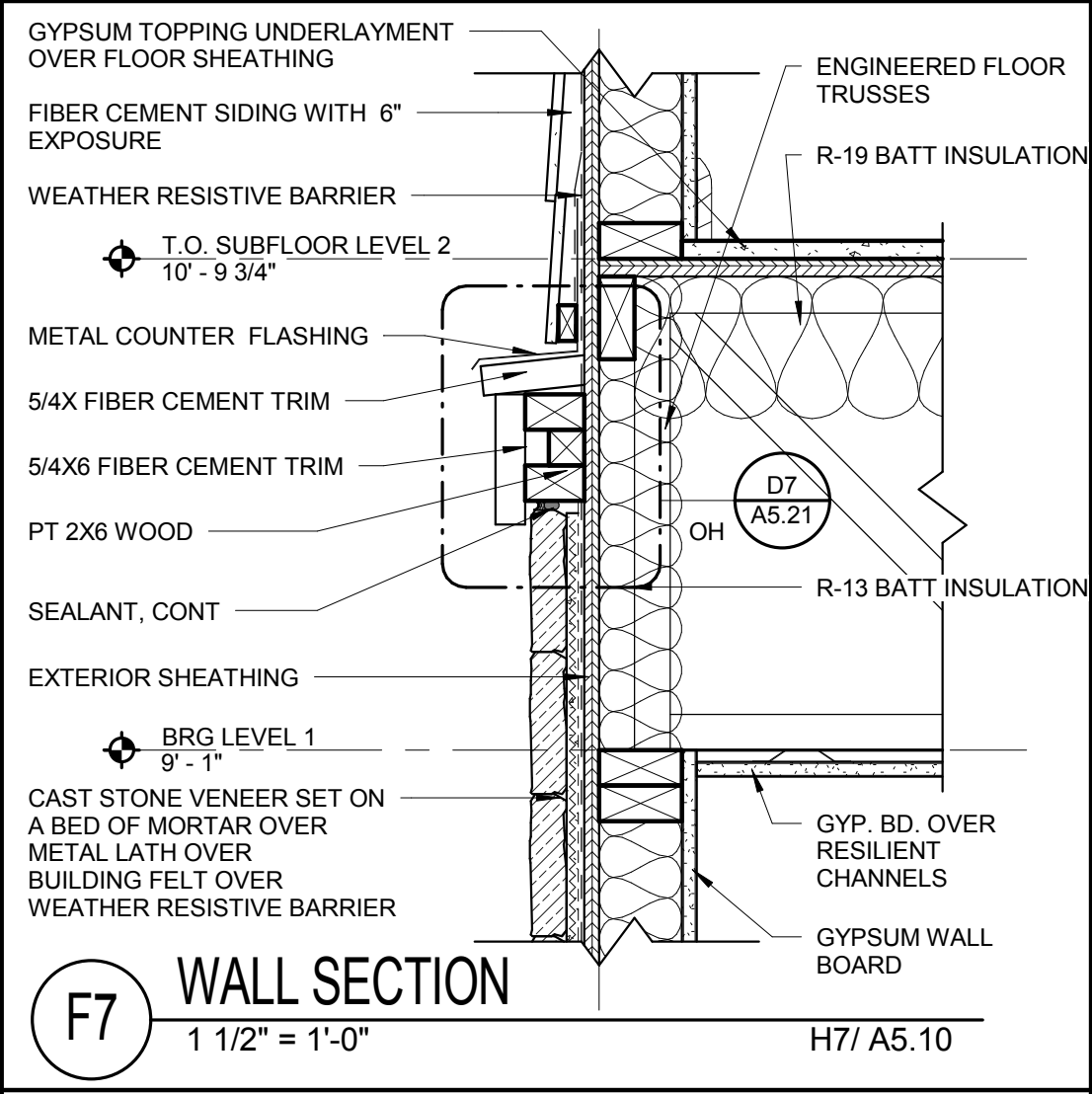
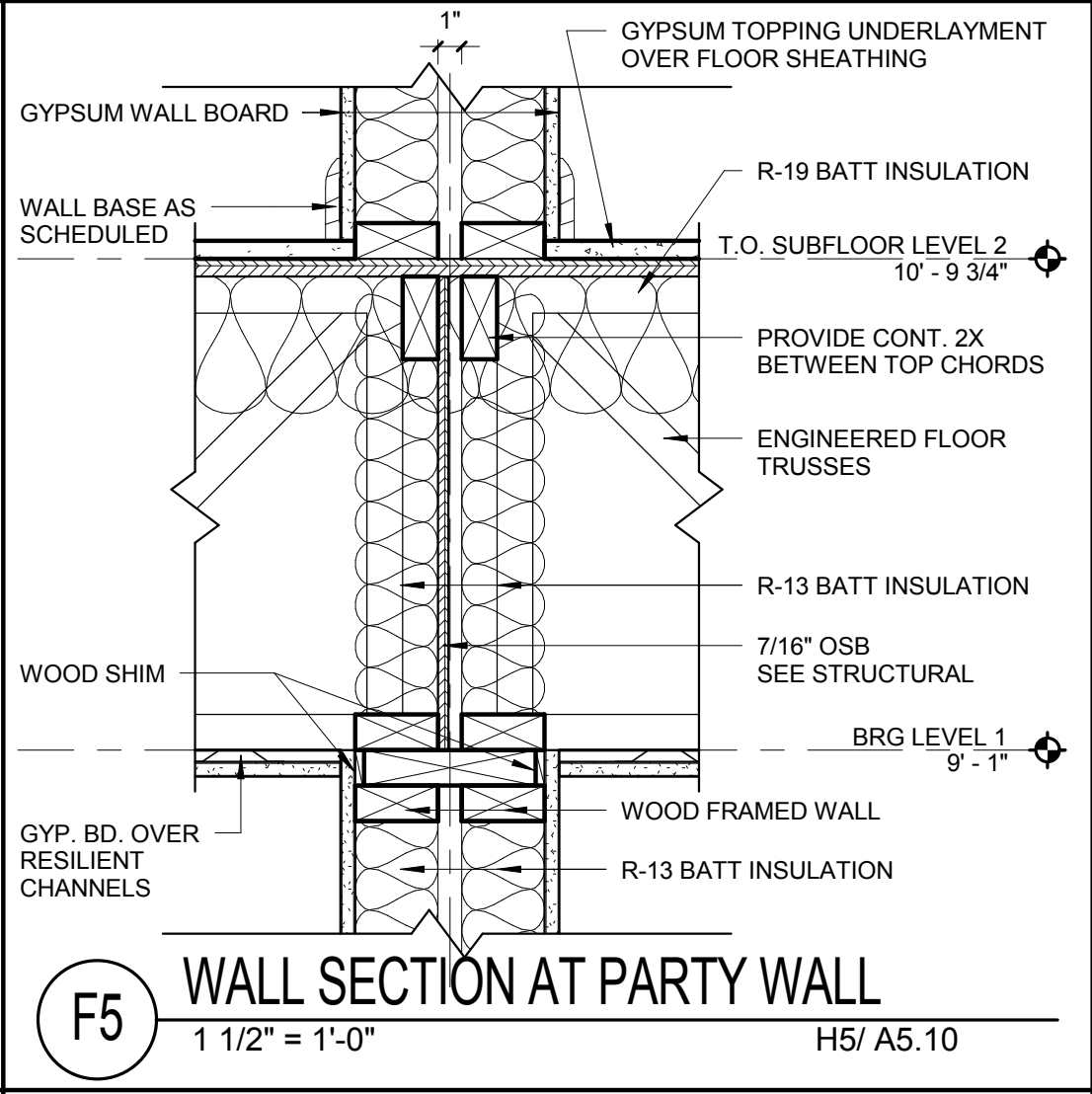
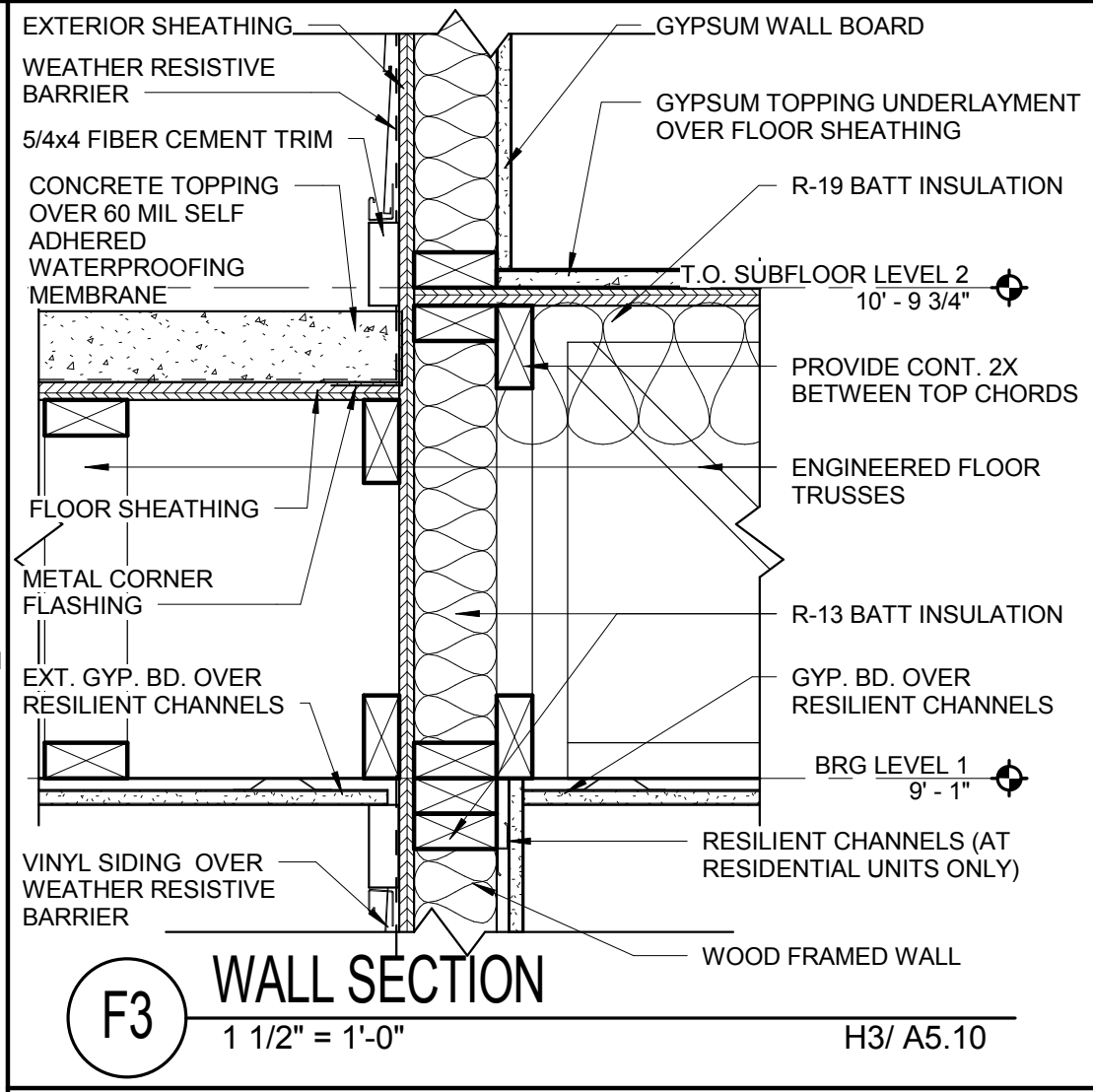
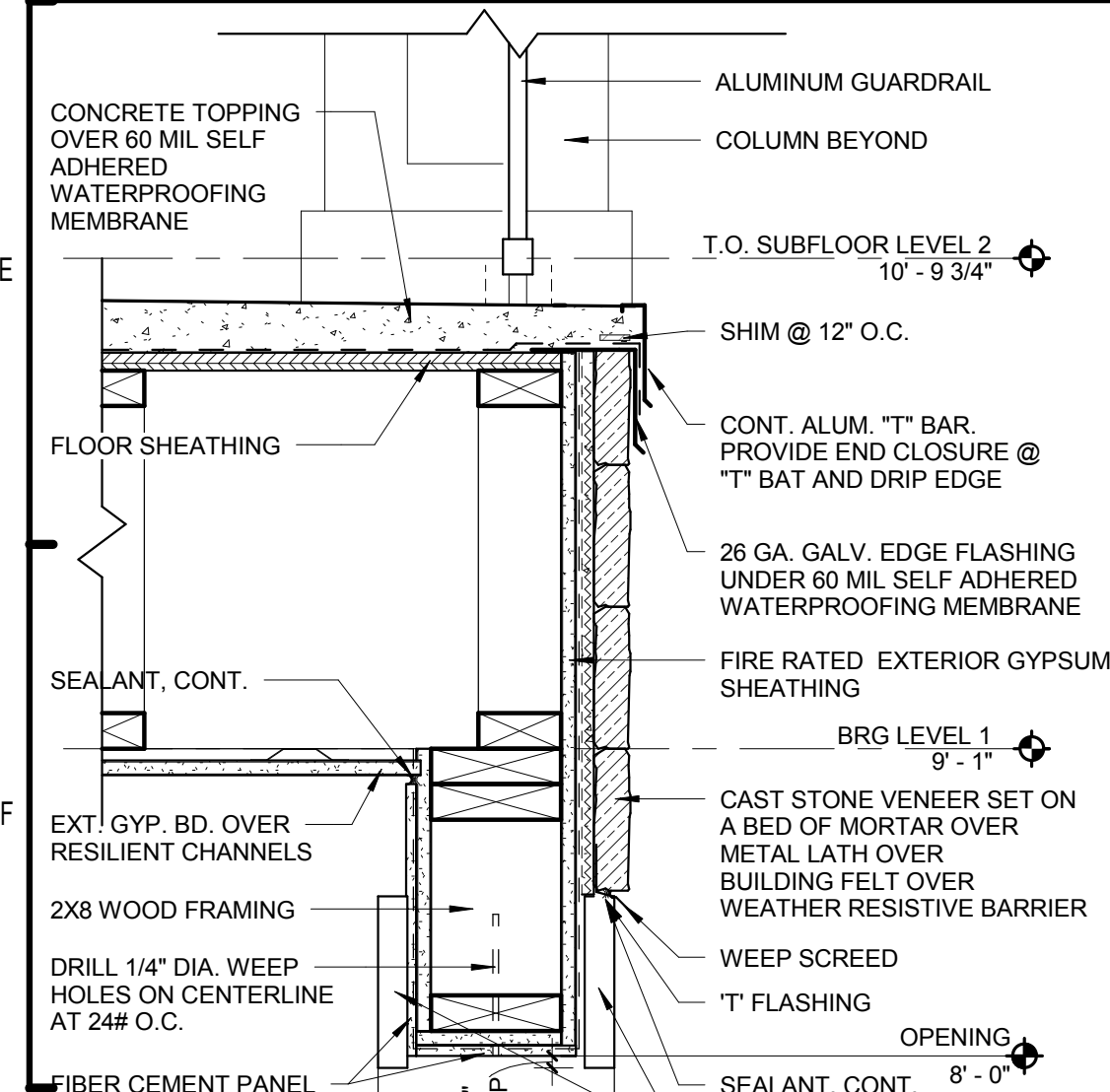
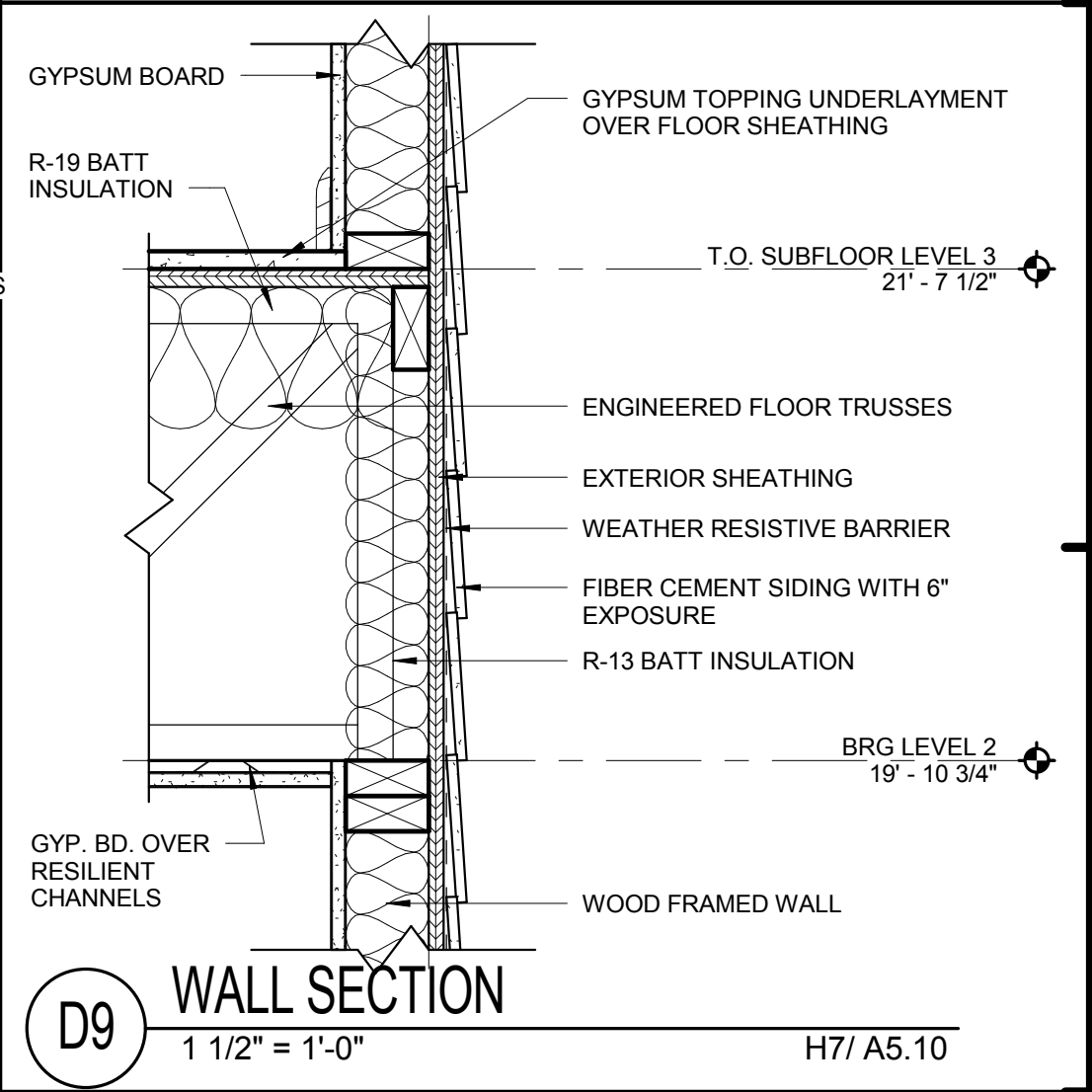
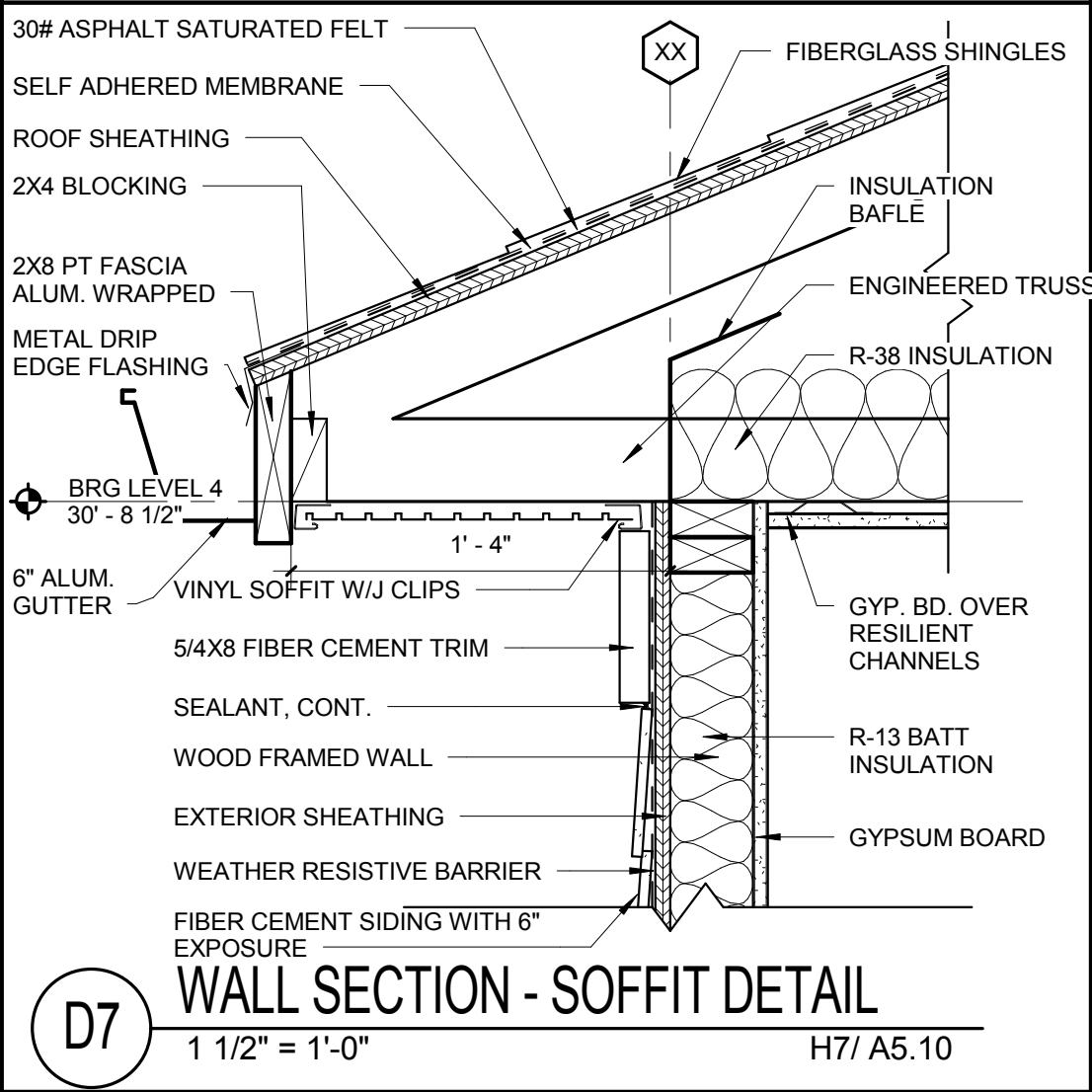
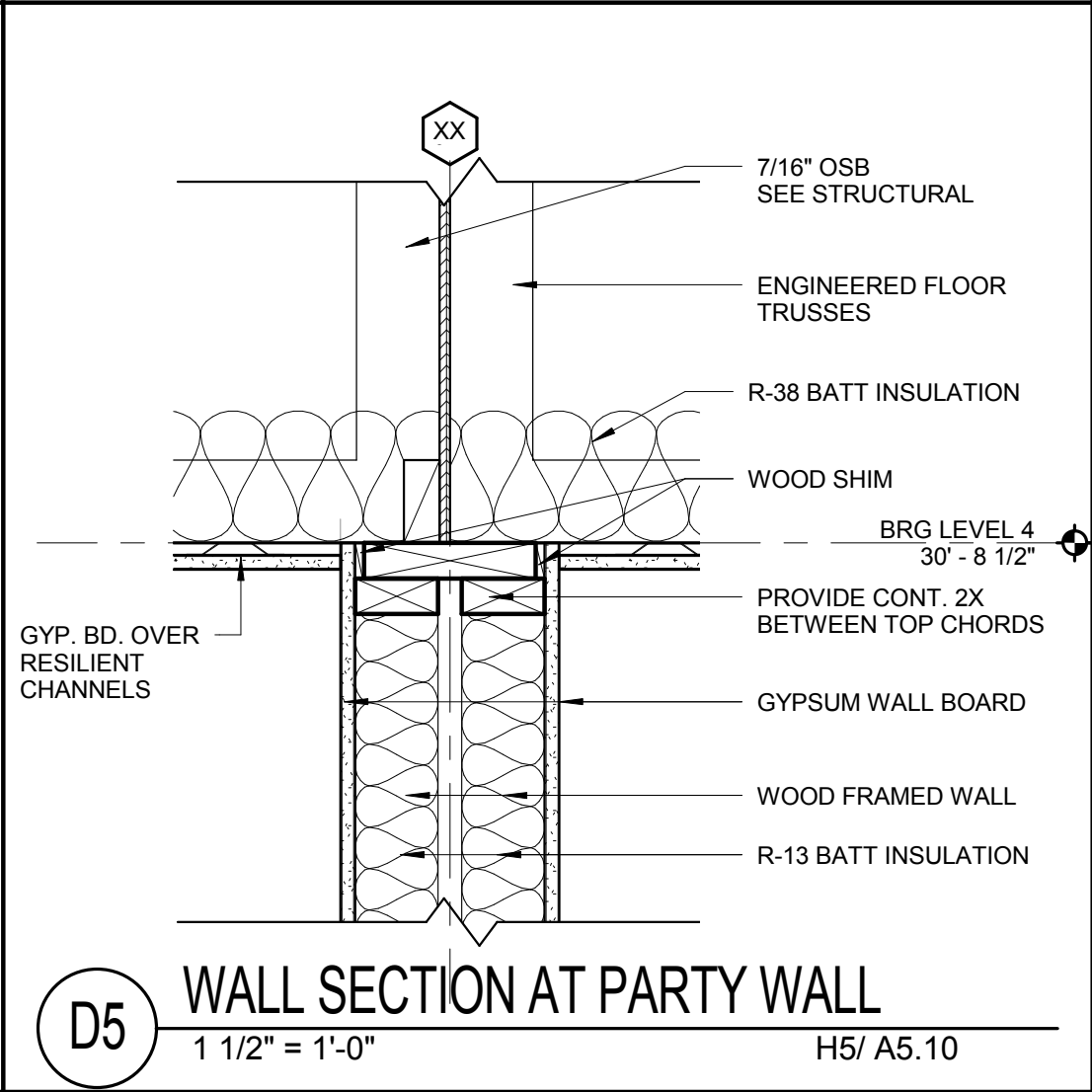
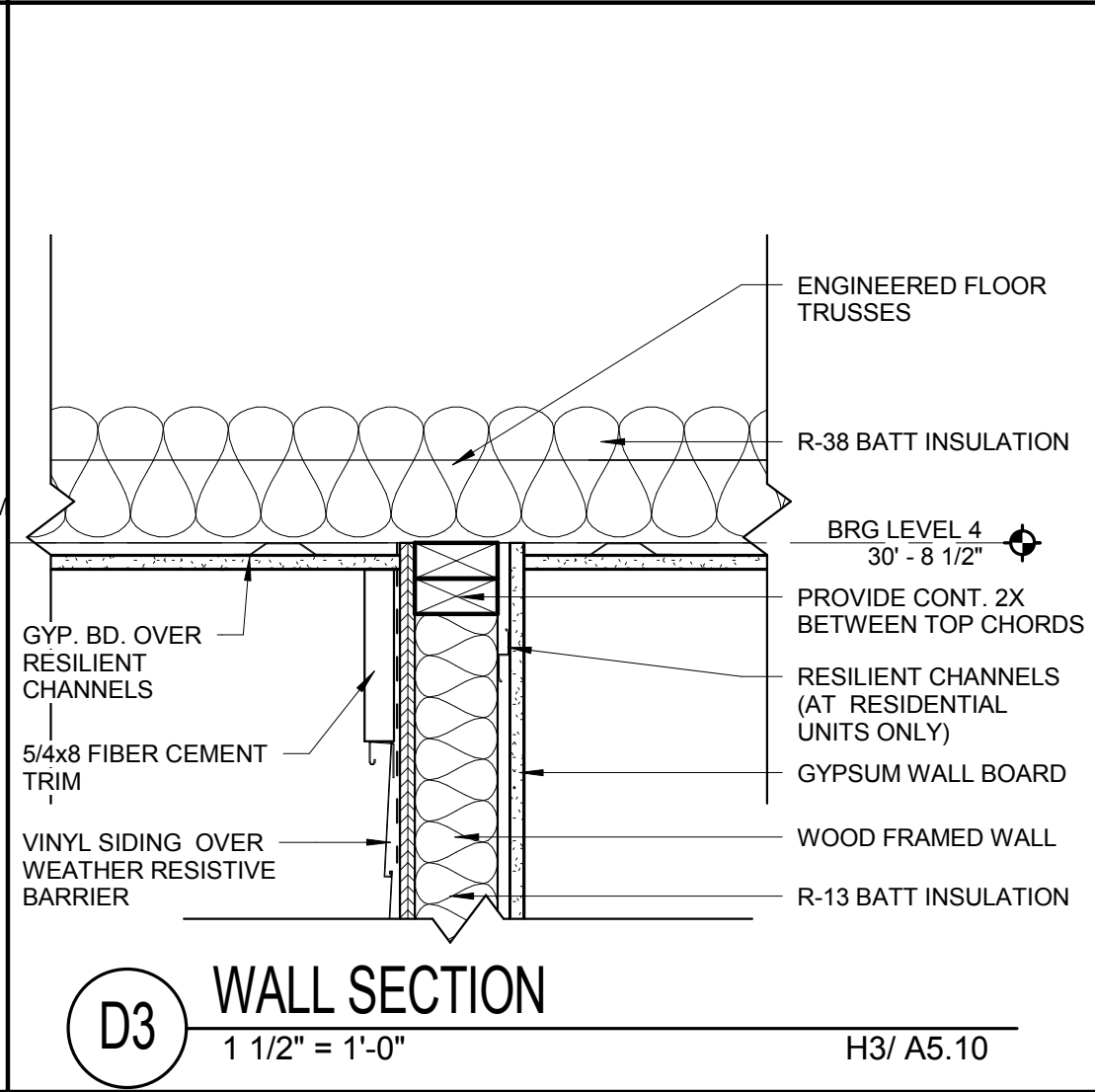
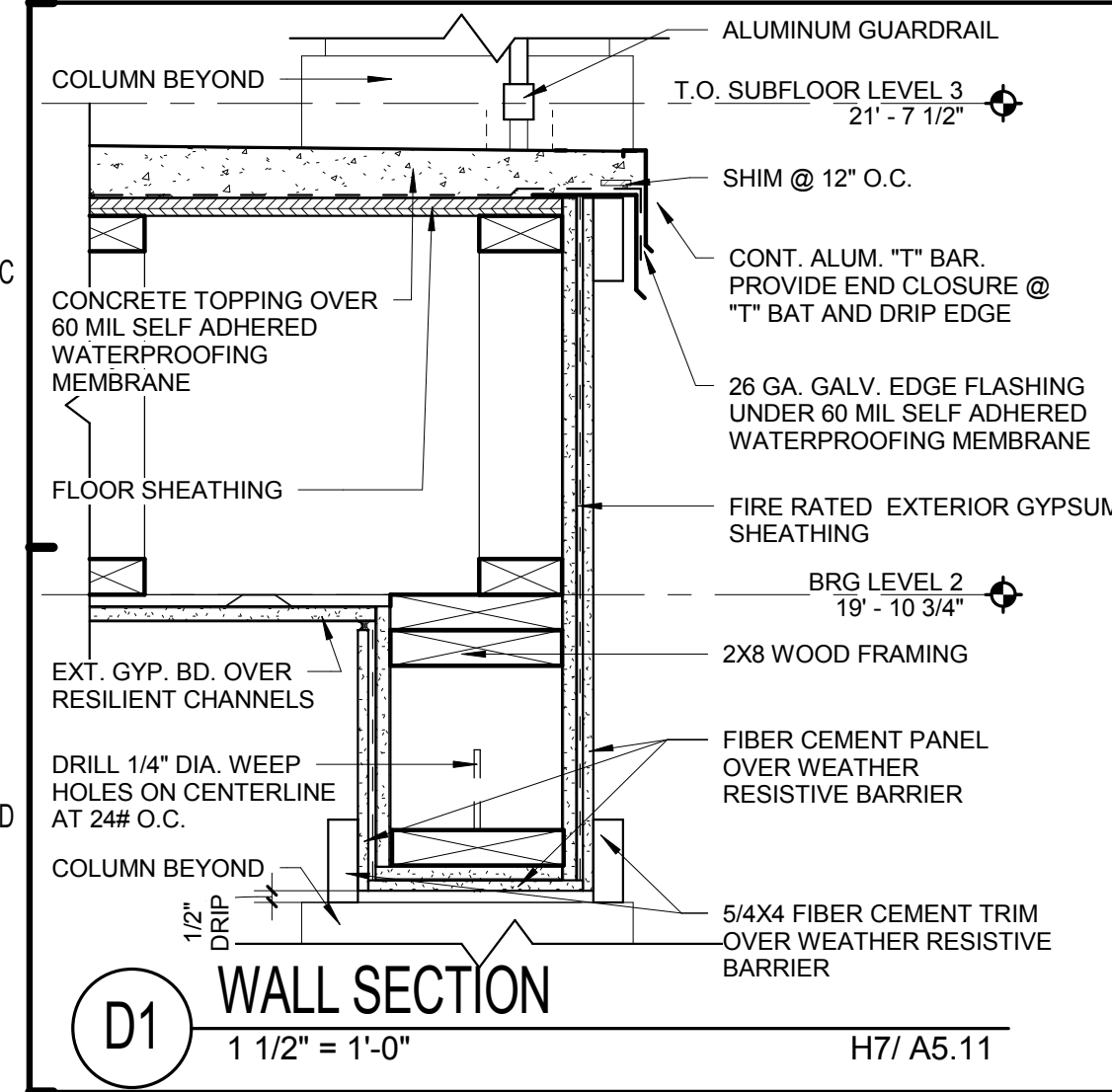
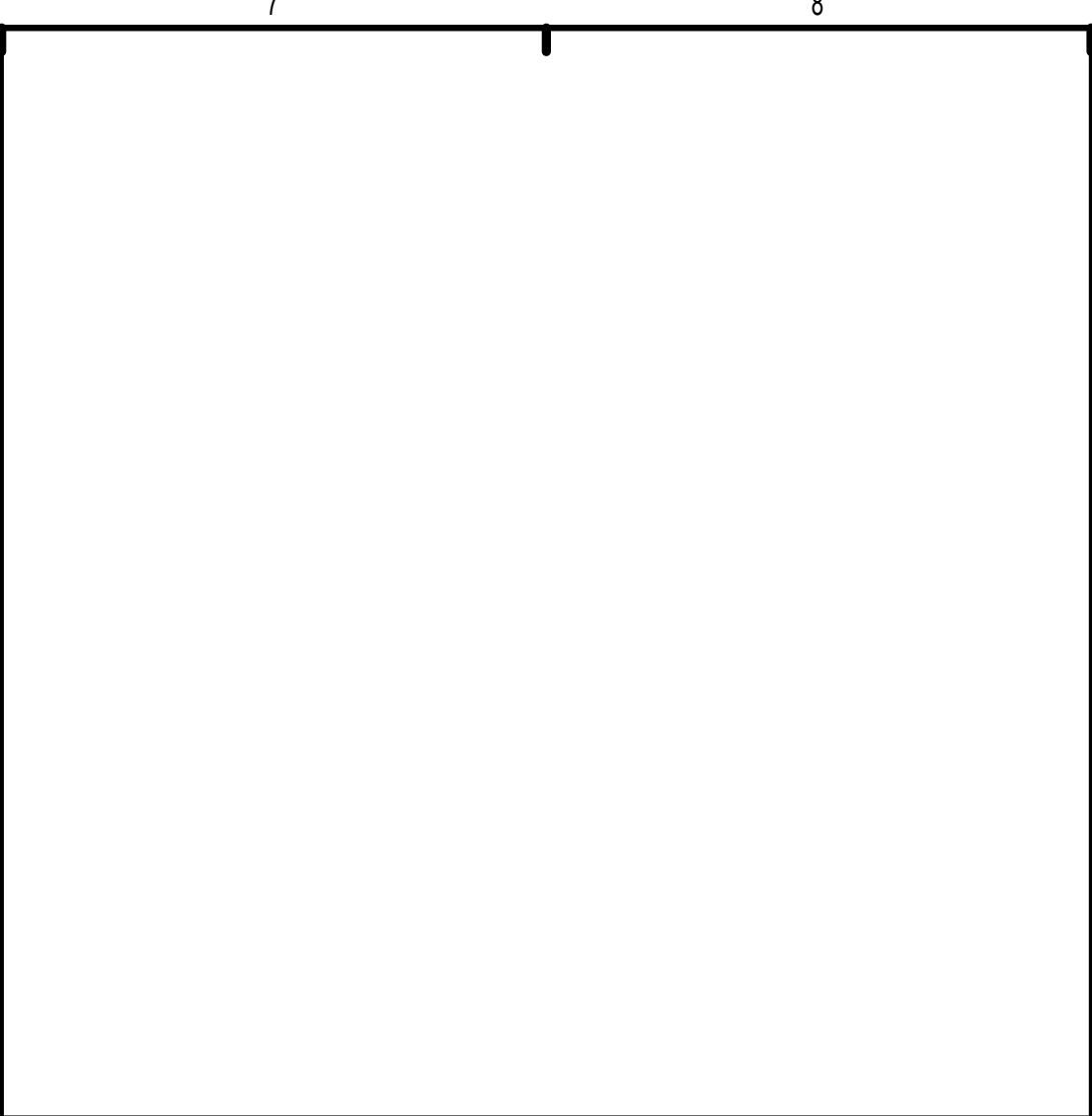
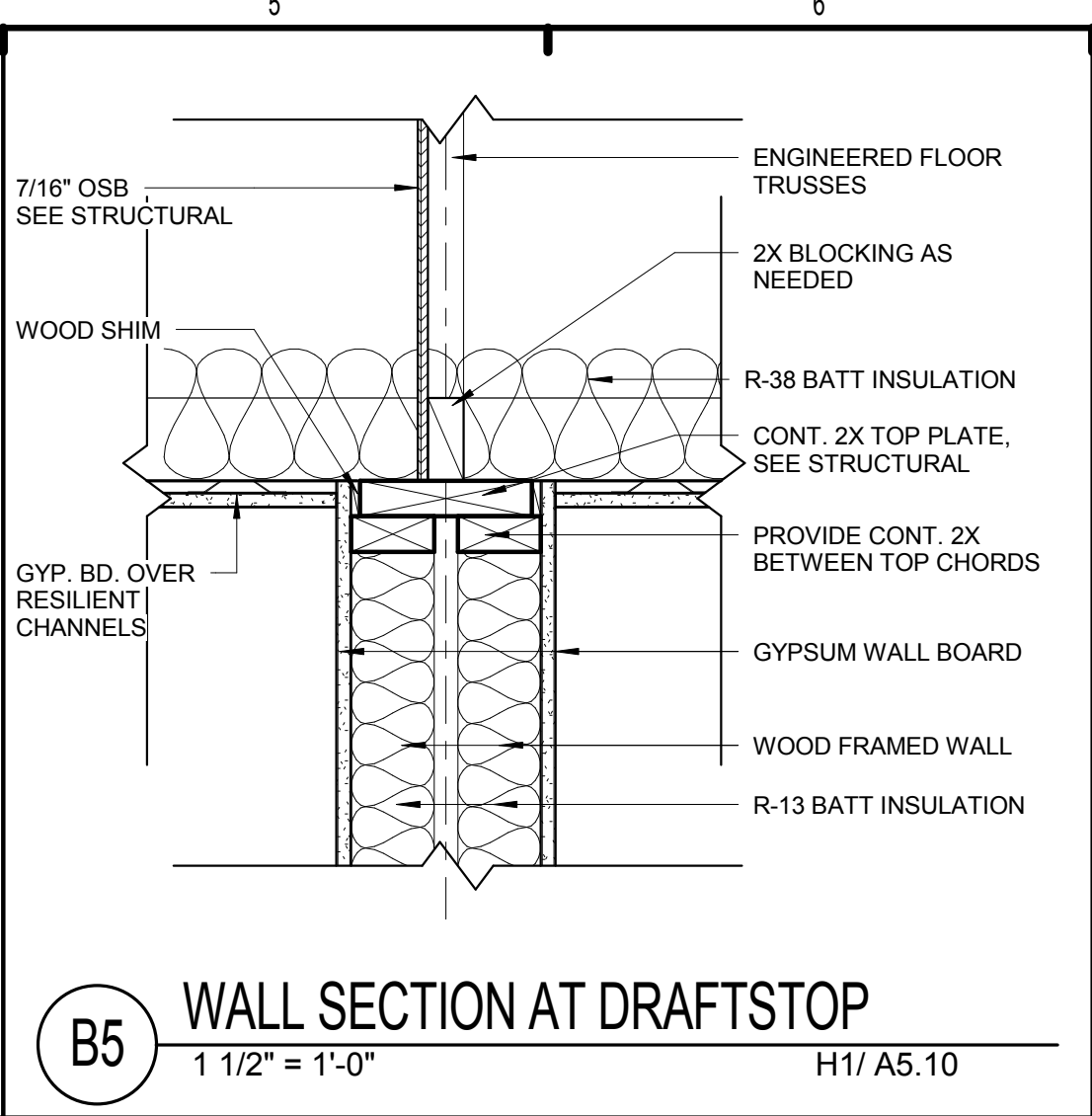
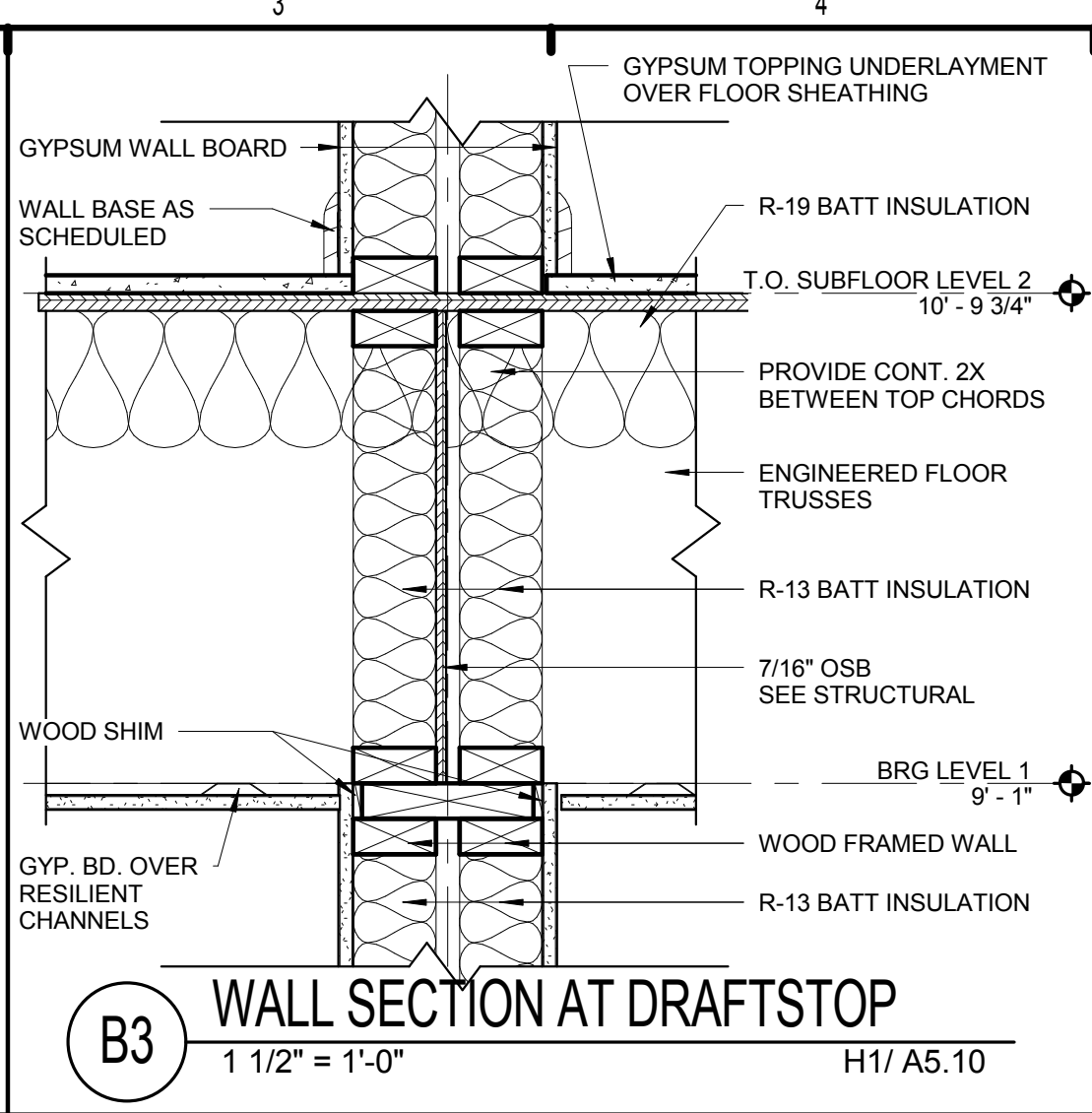
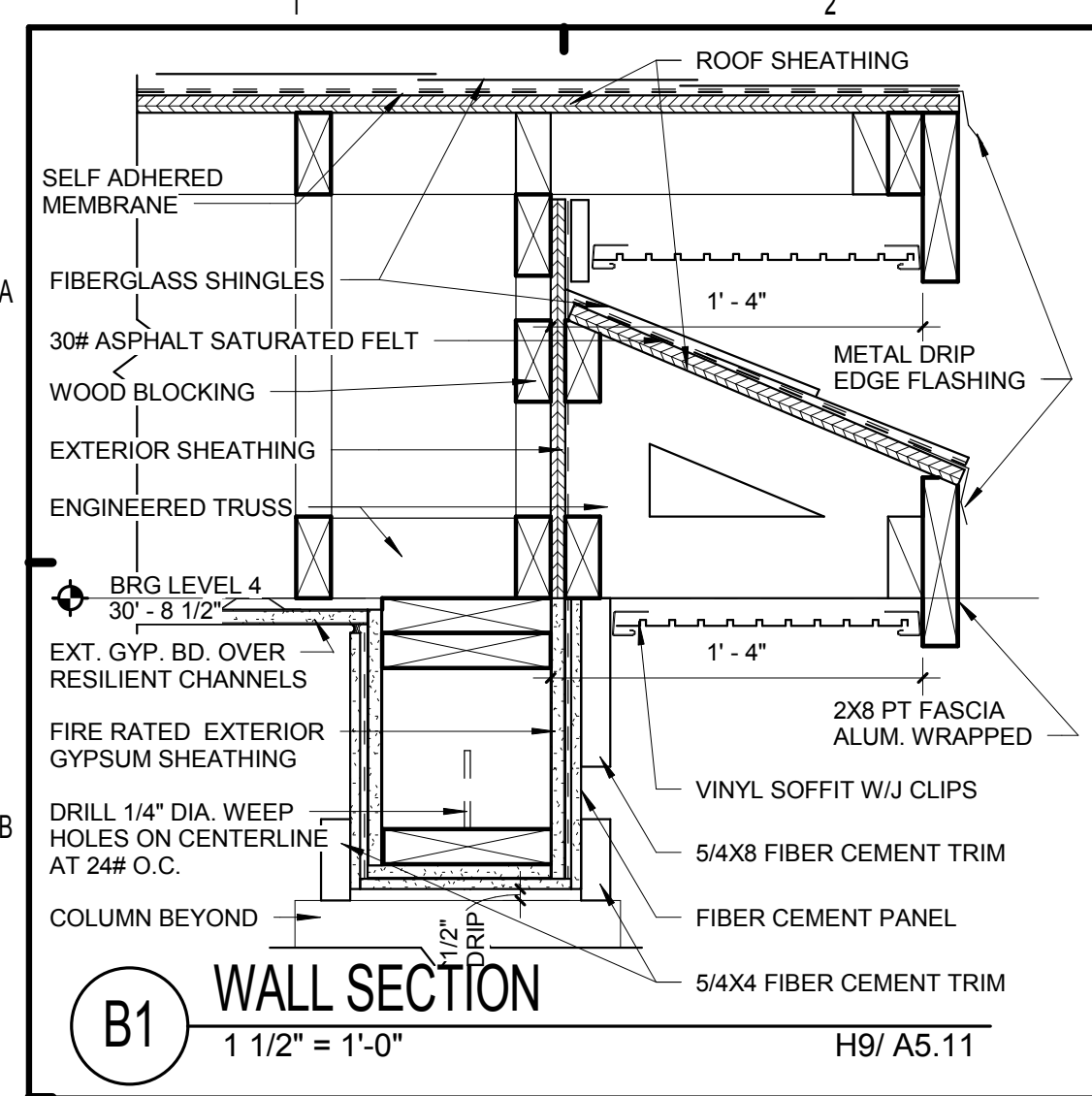
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BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
DETAILS
A5.20

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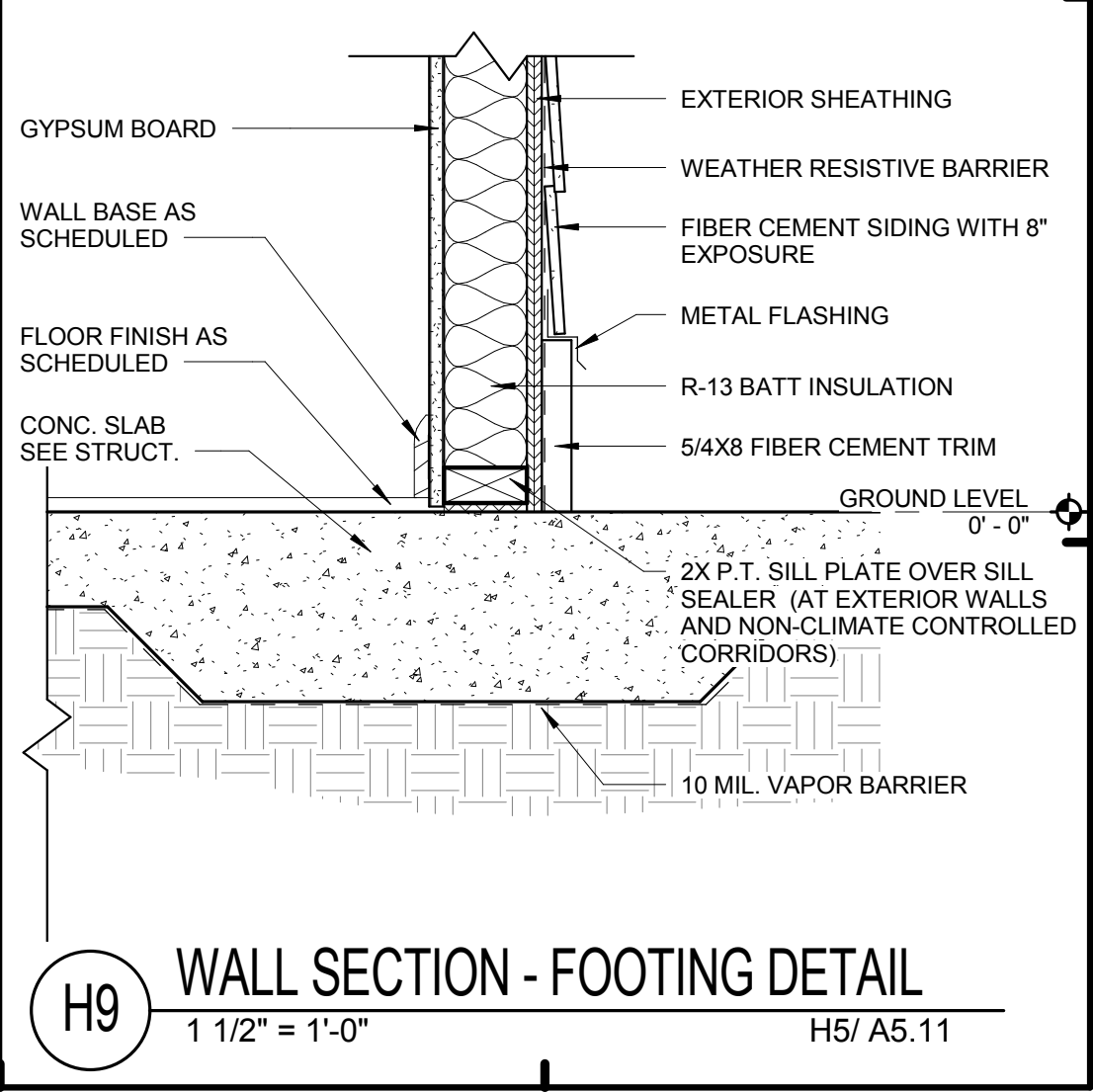
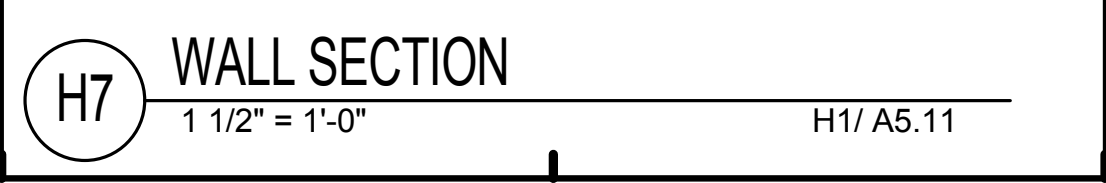
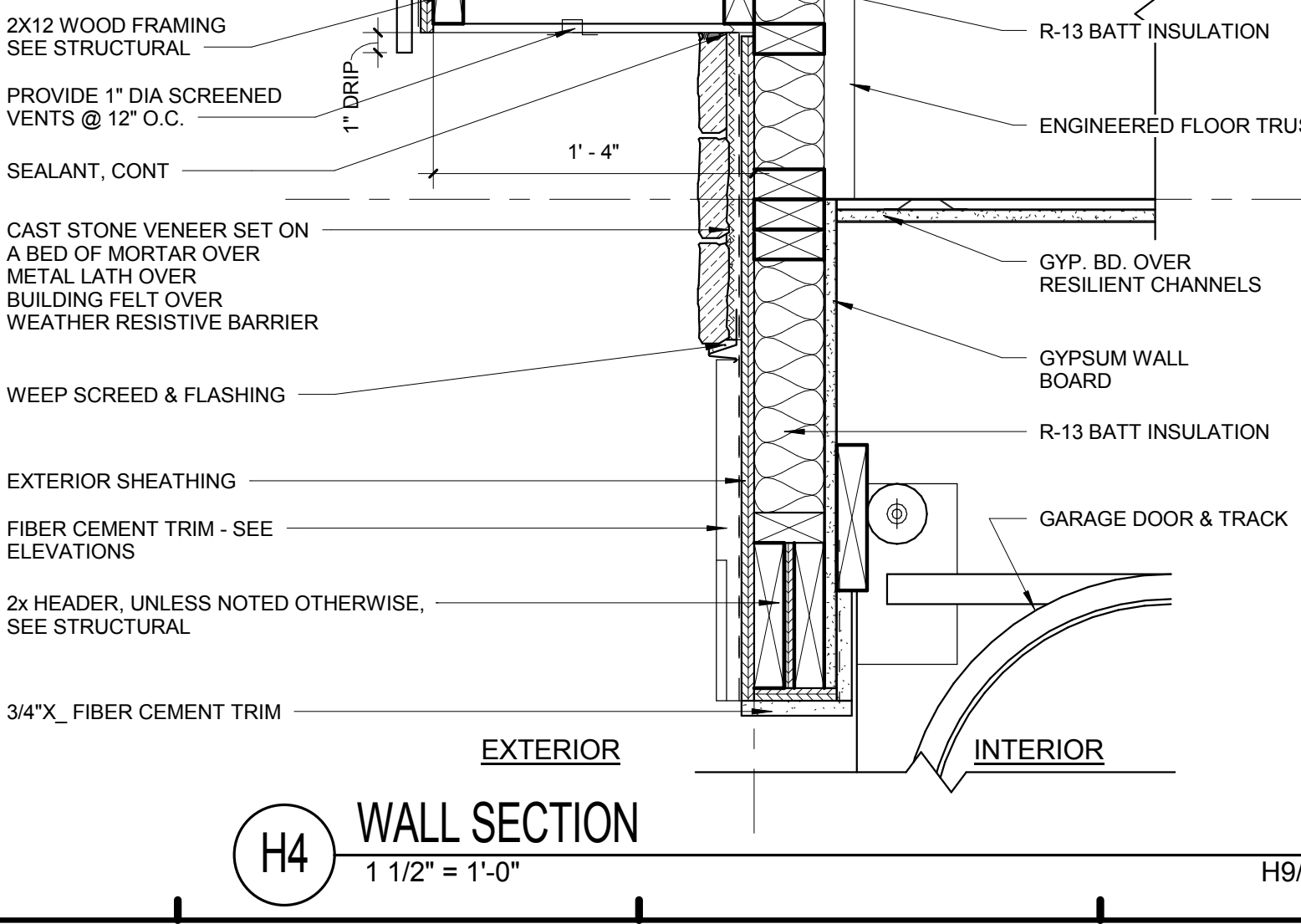
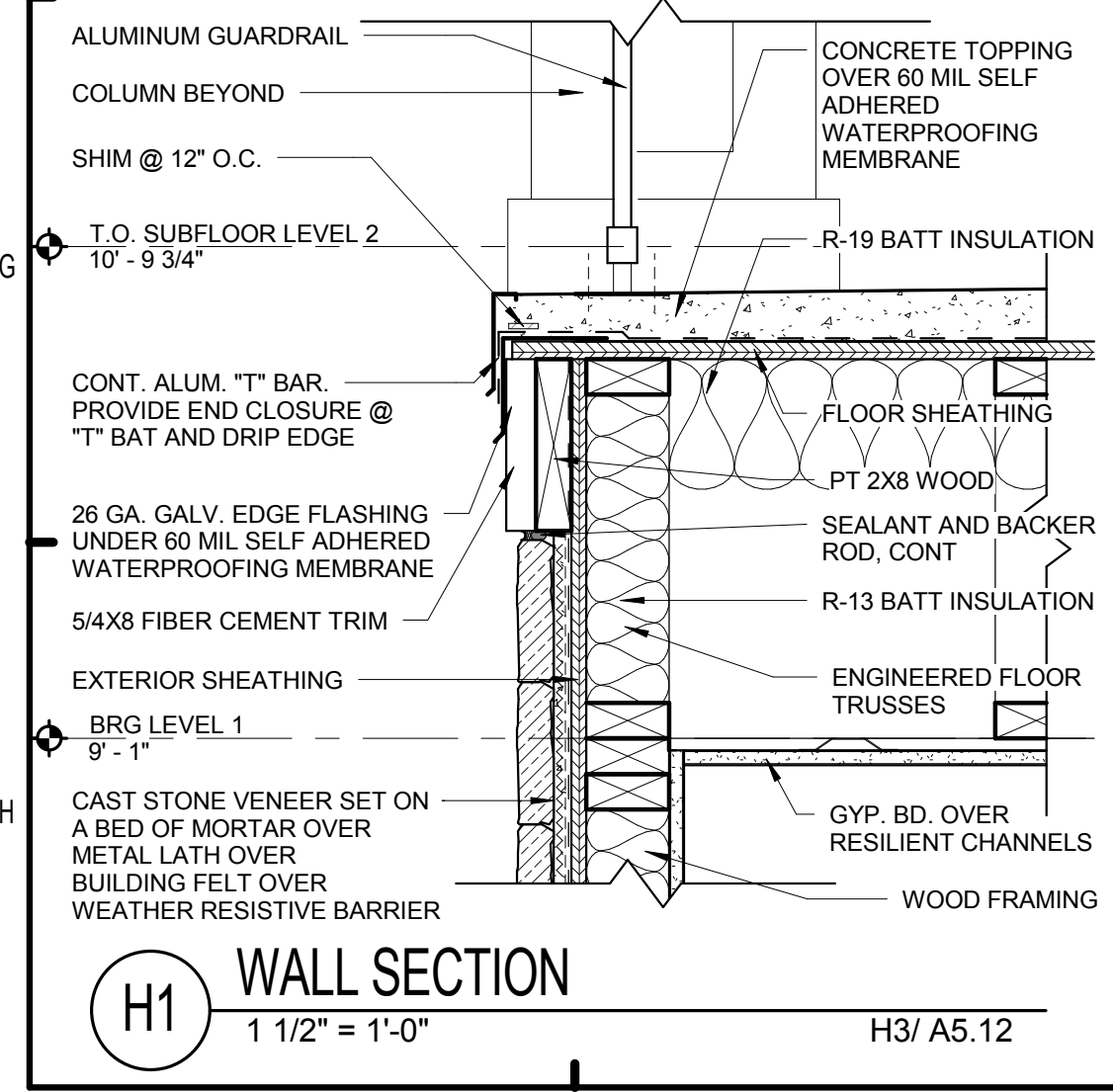
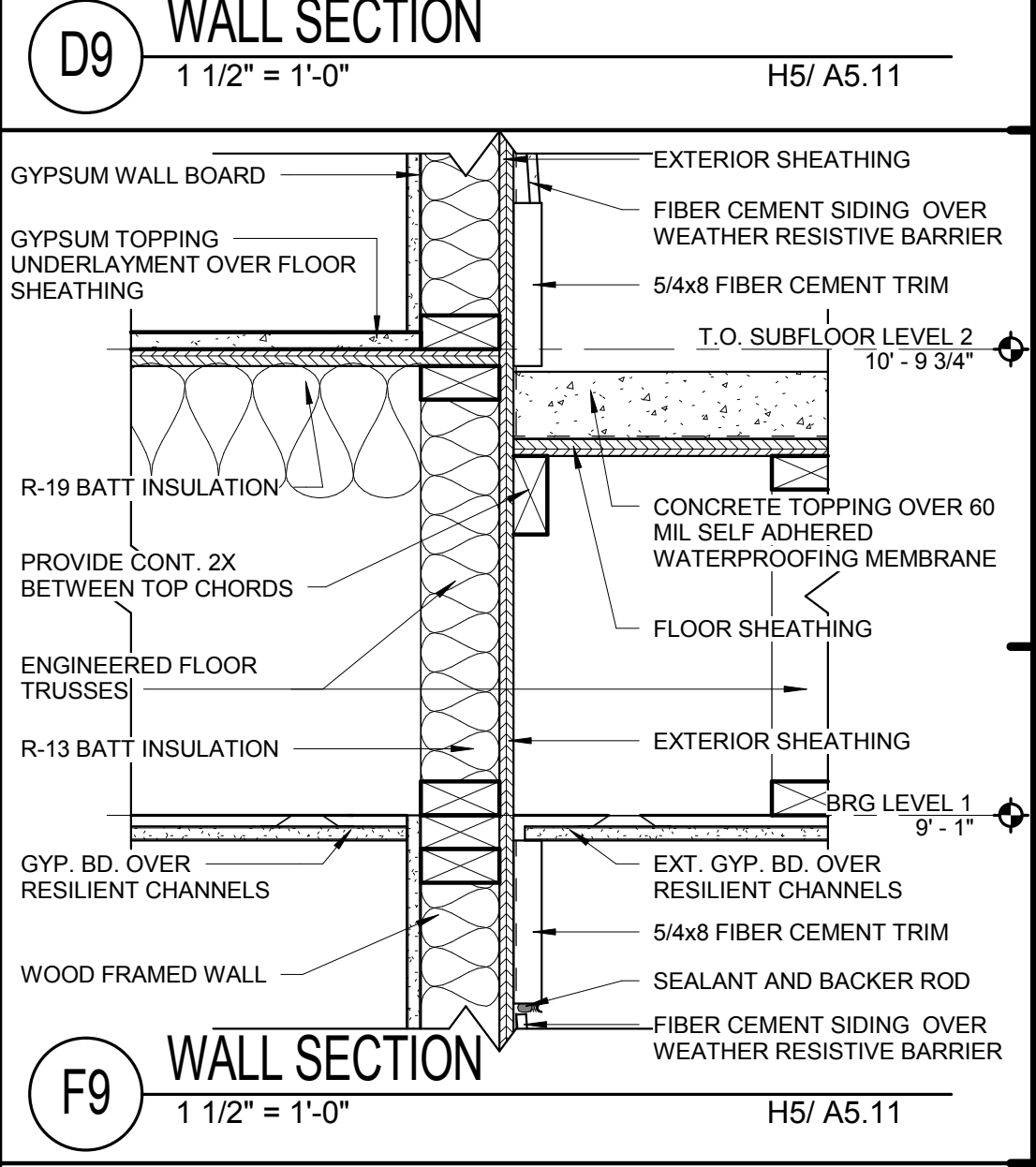
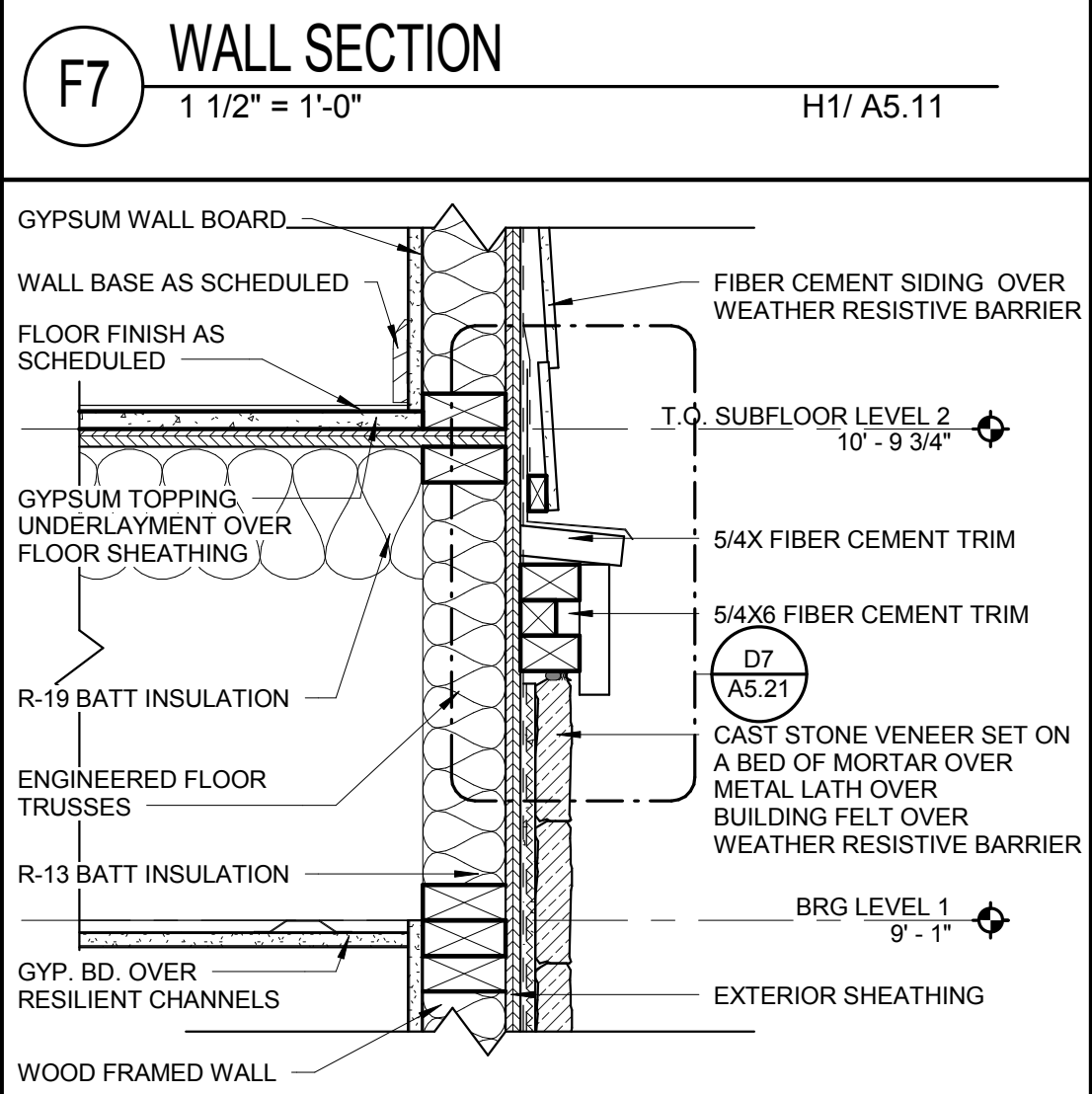
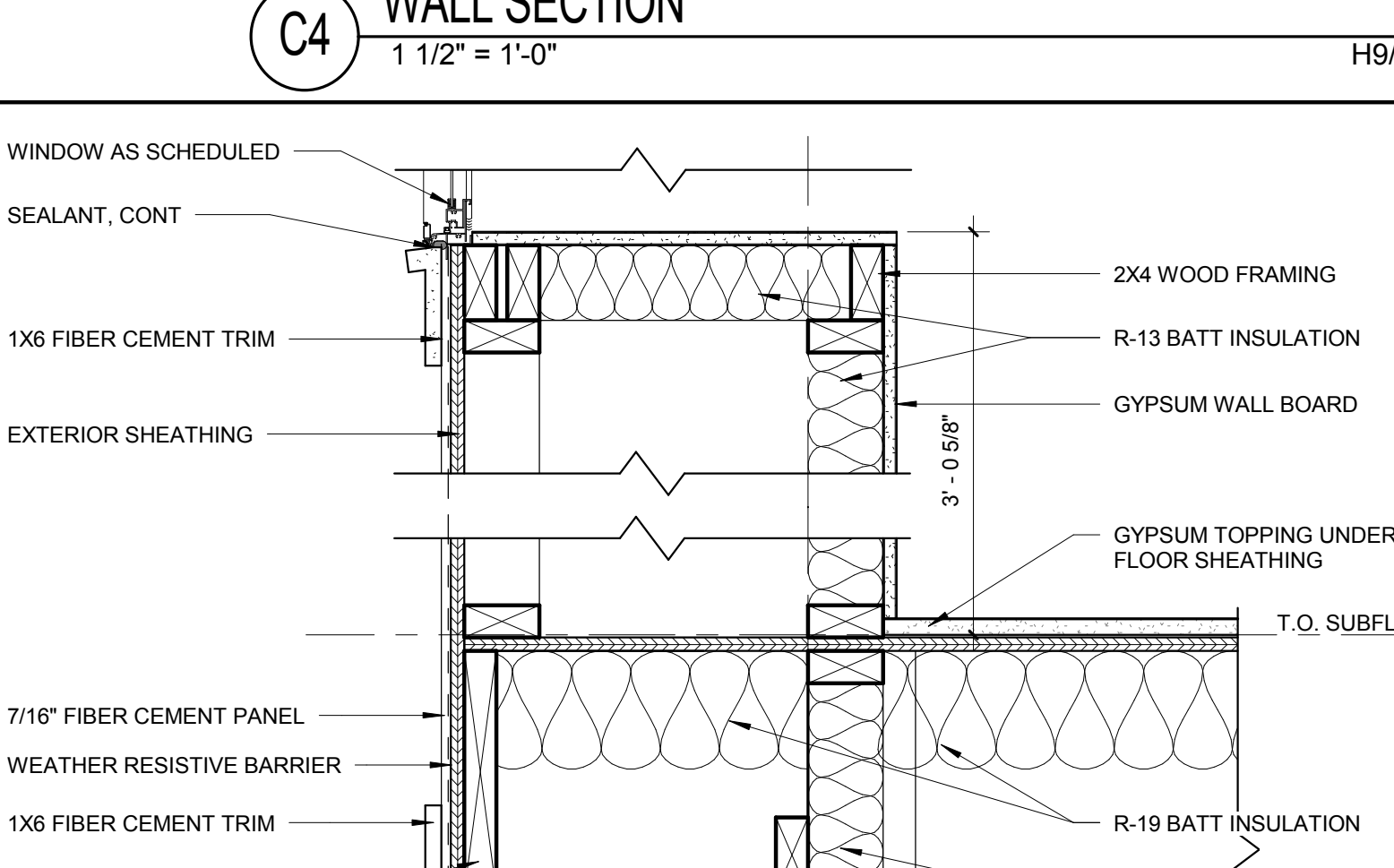
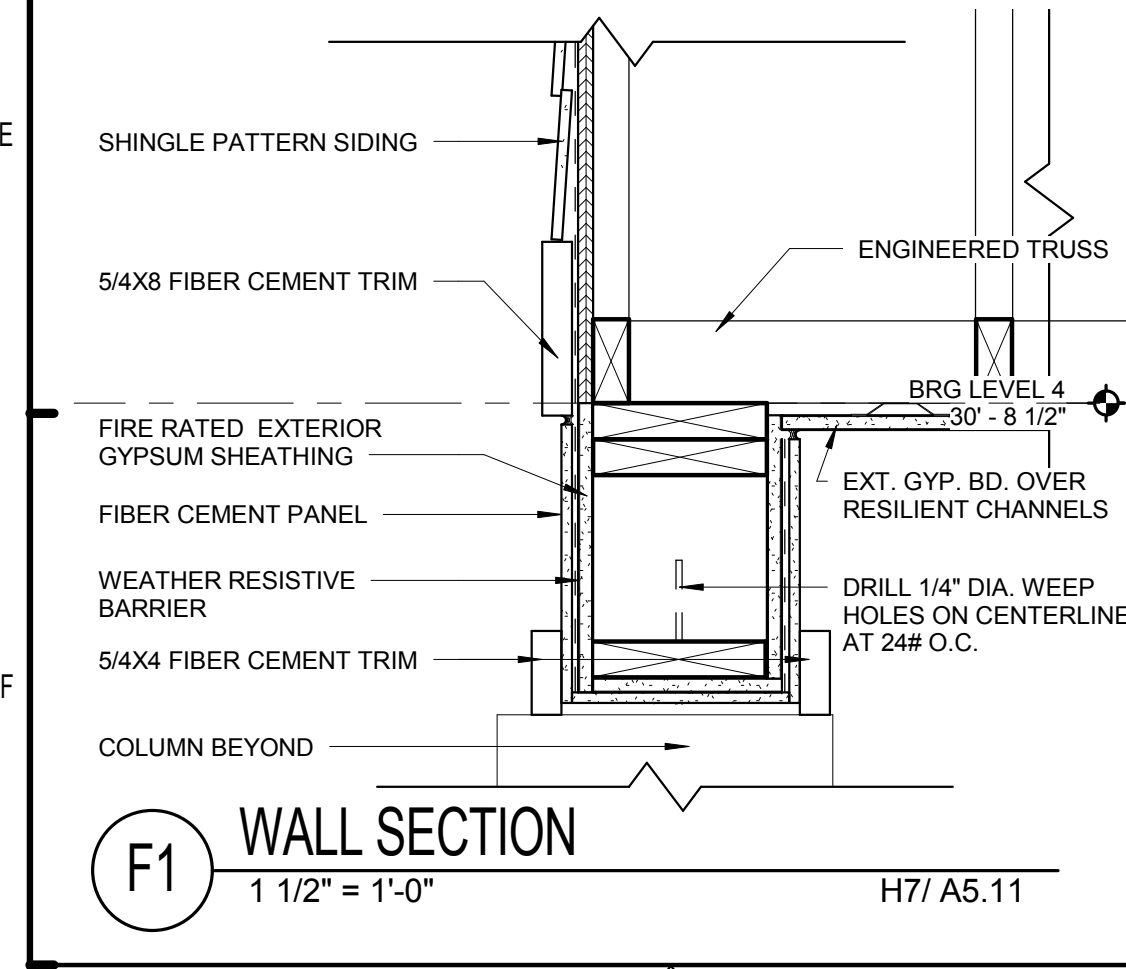
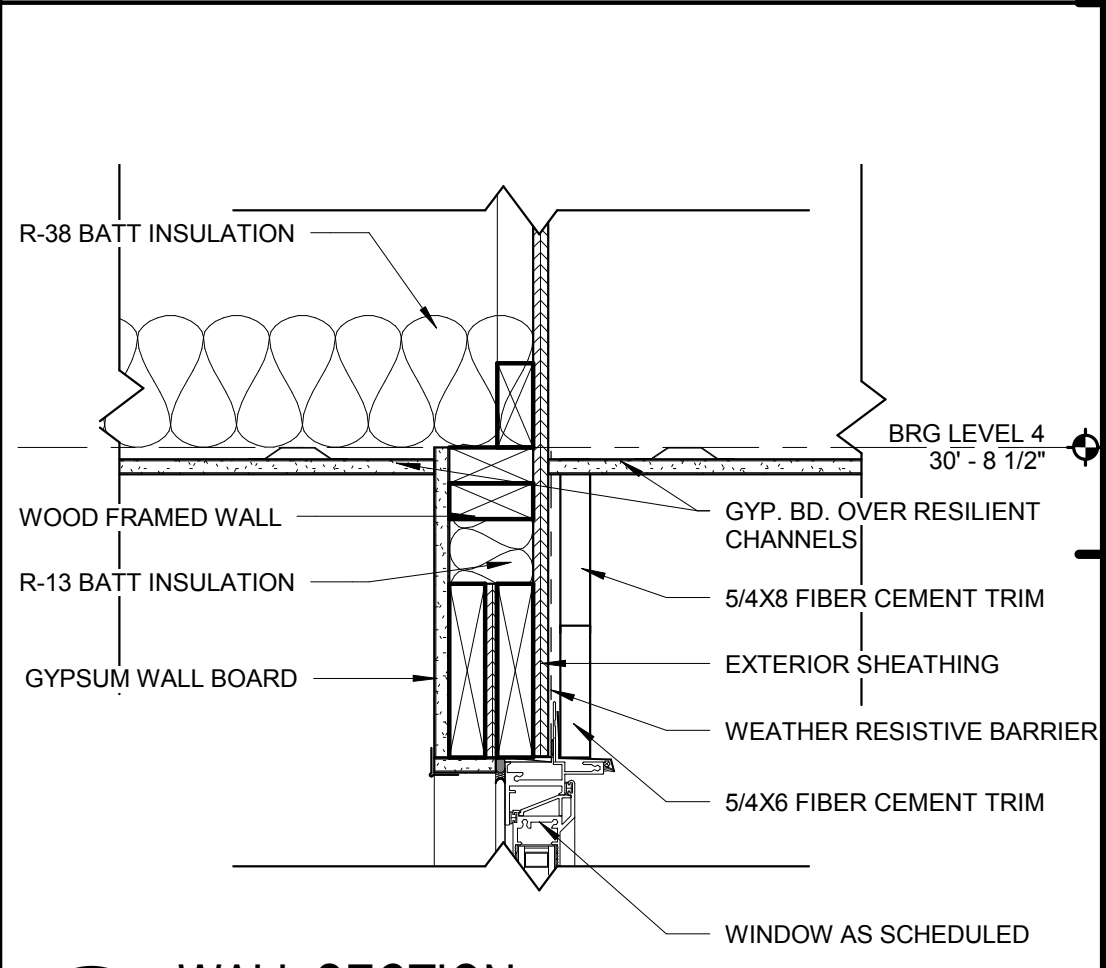
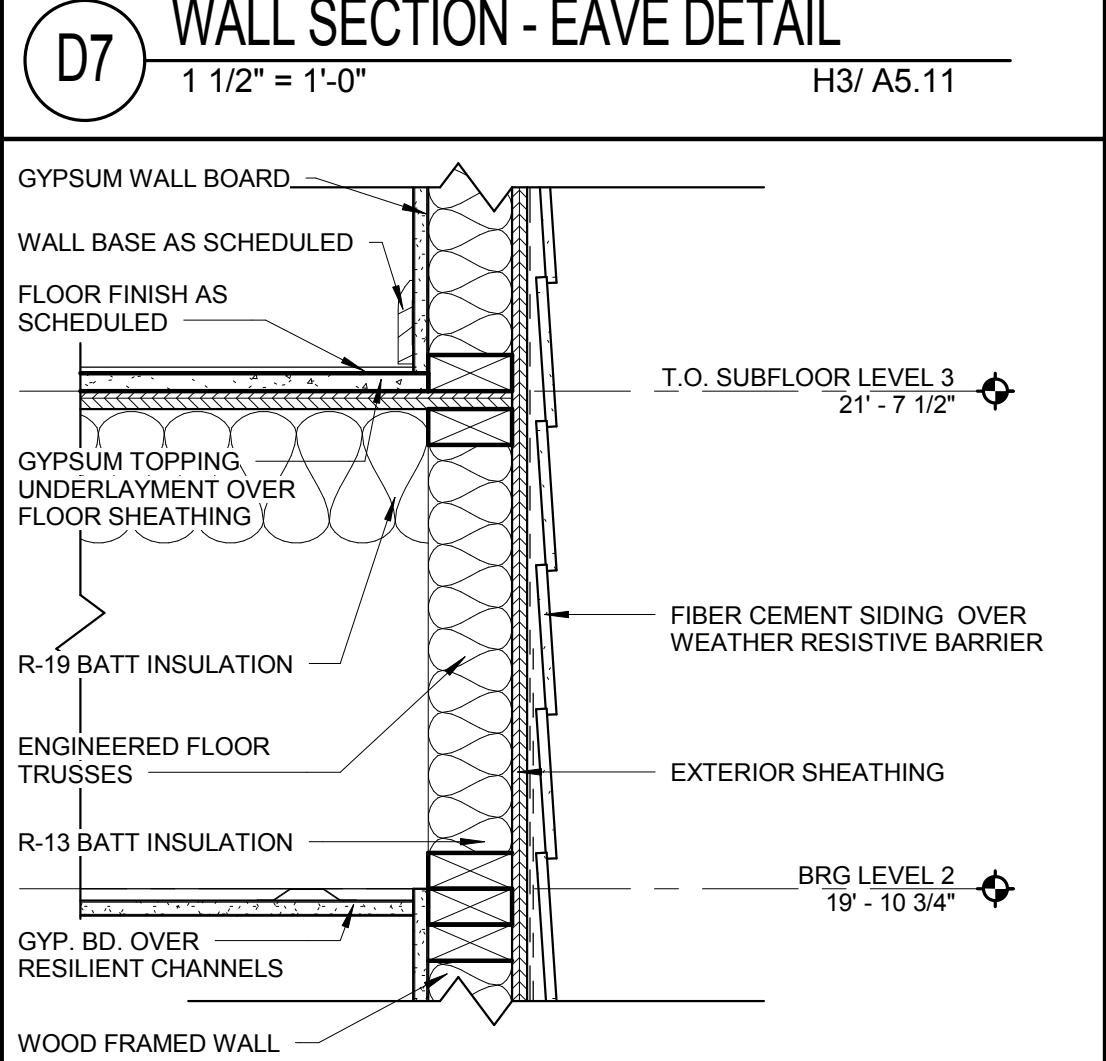
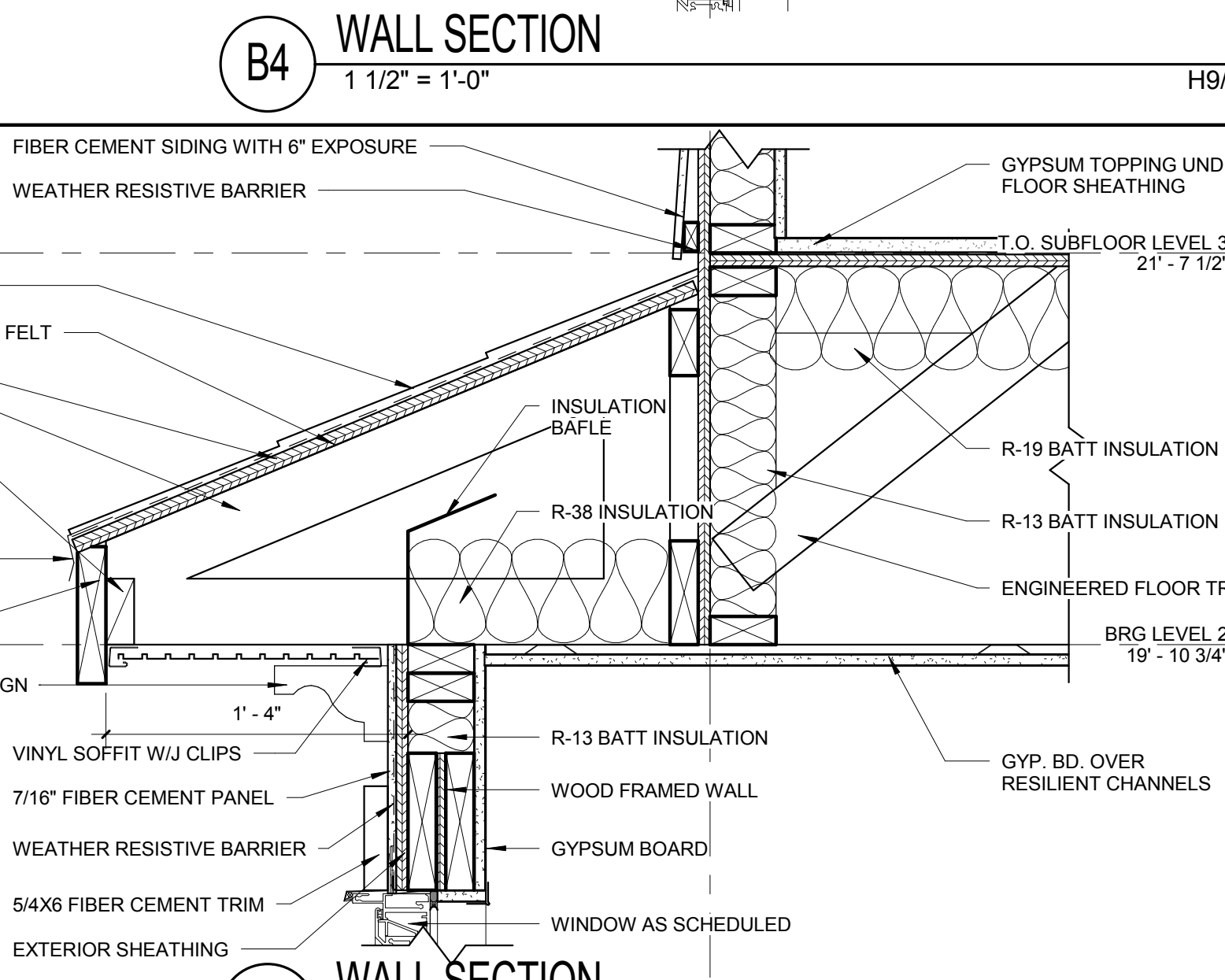
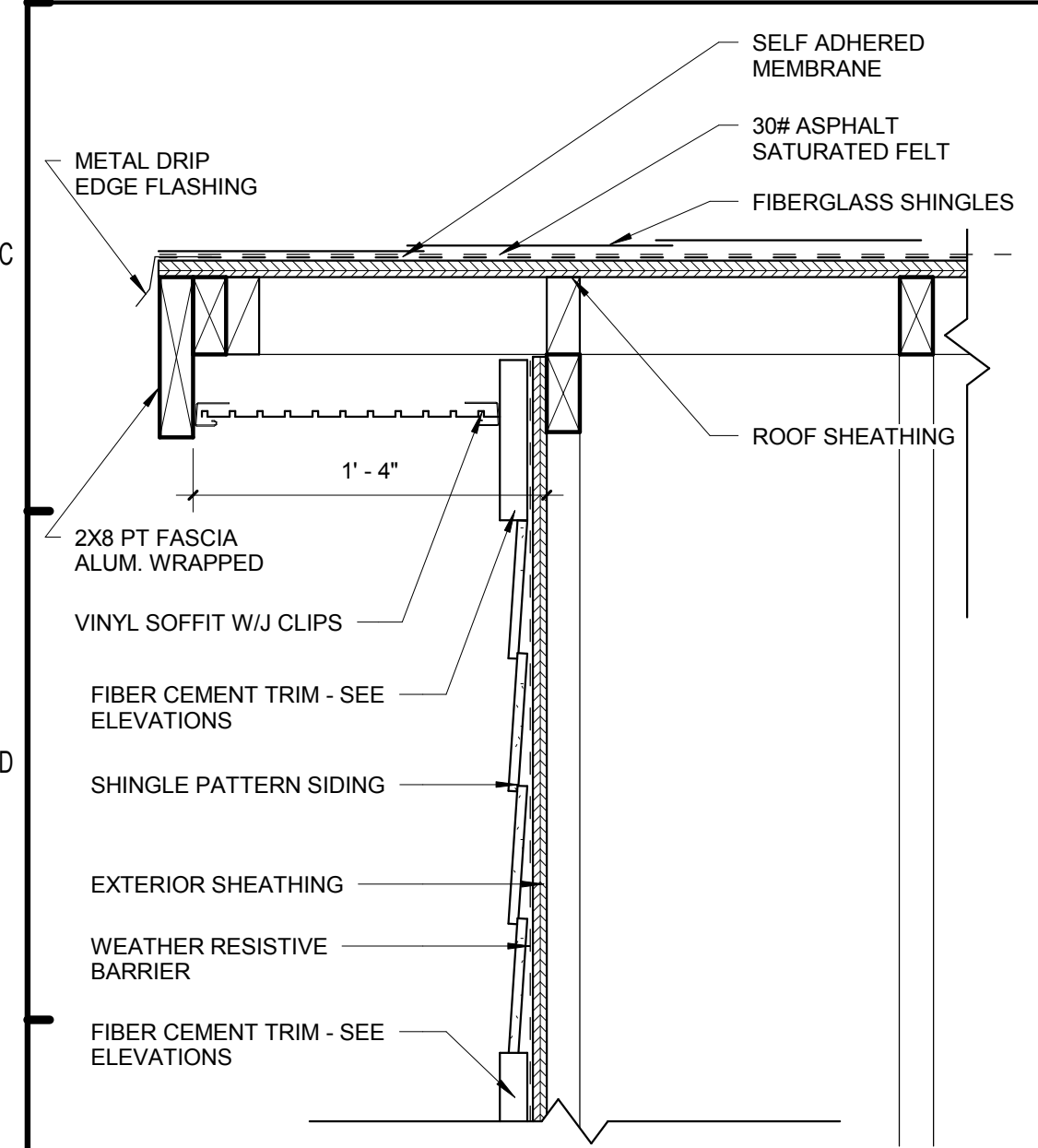
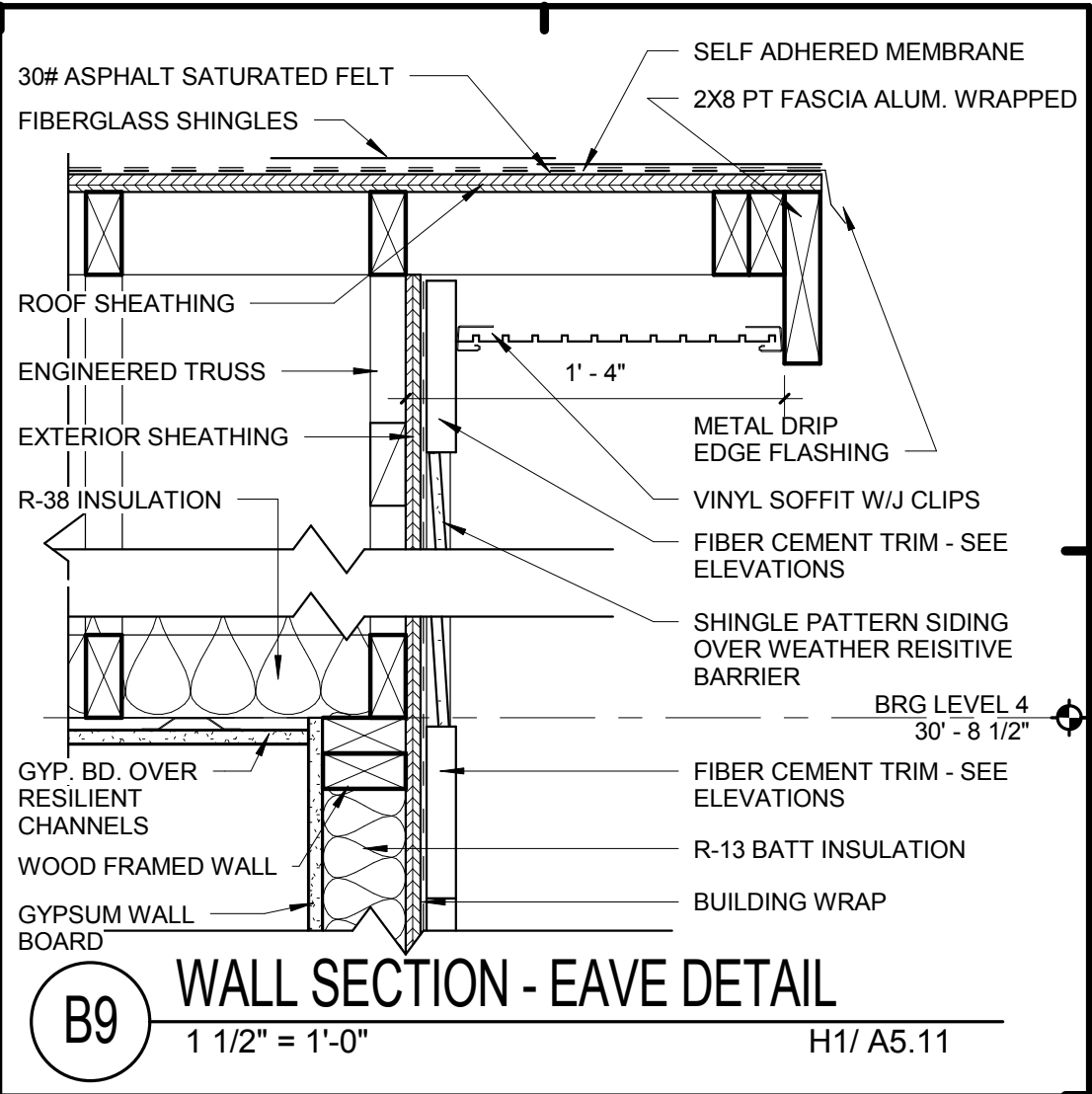
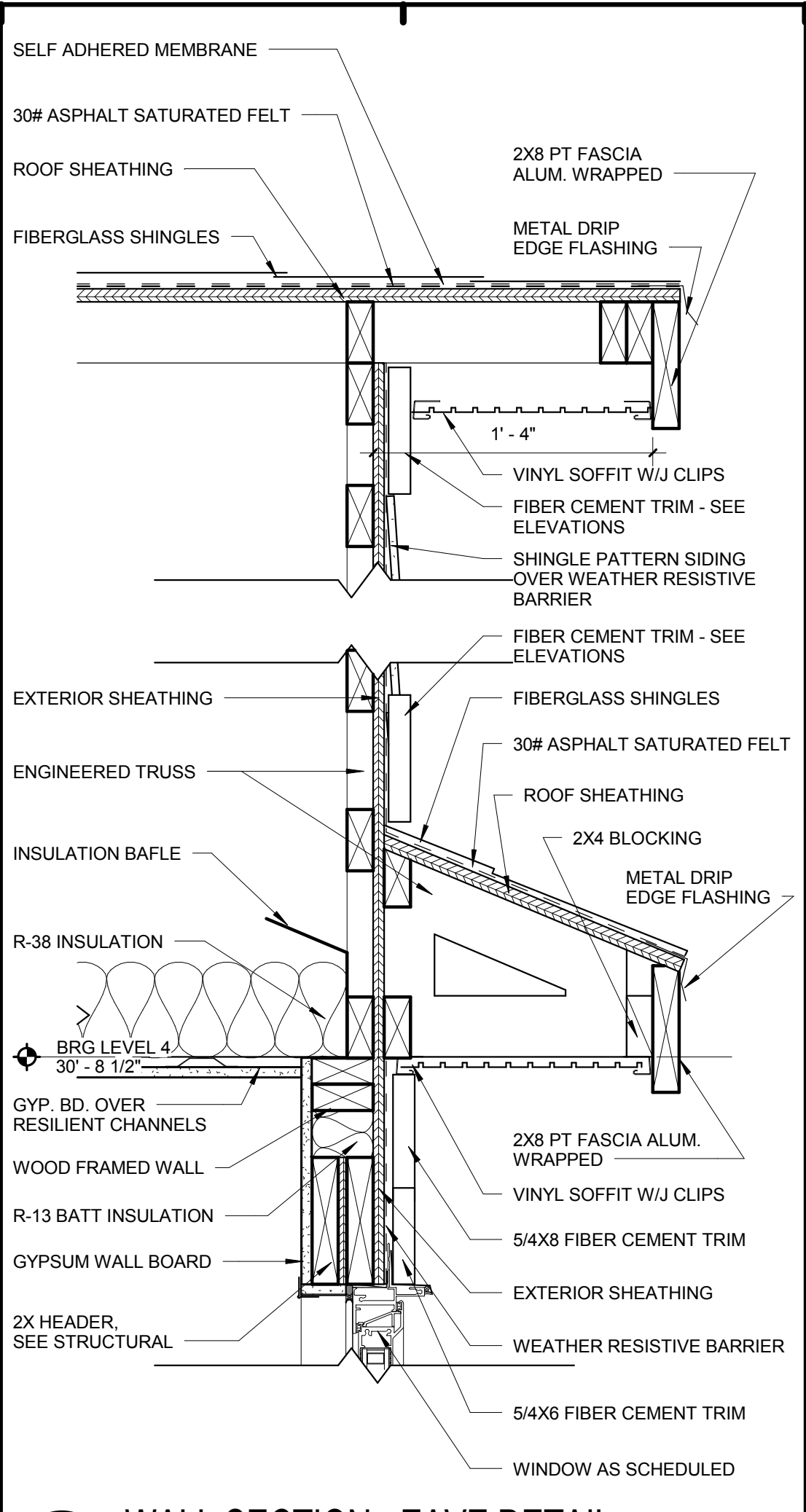
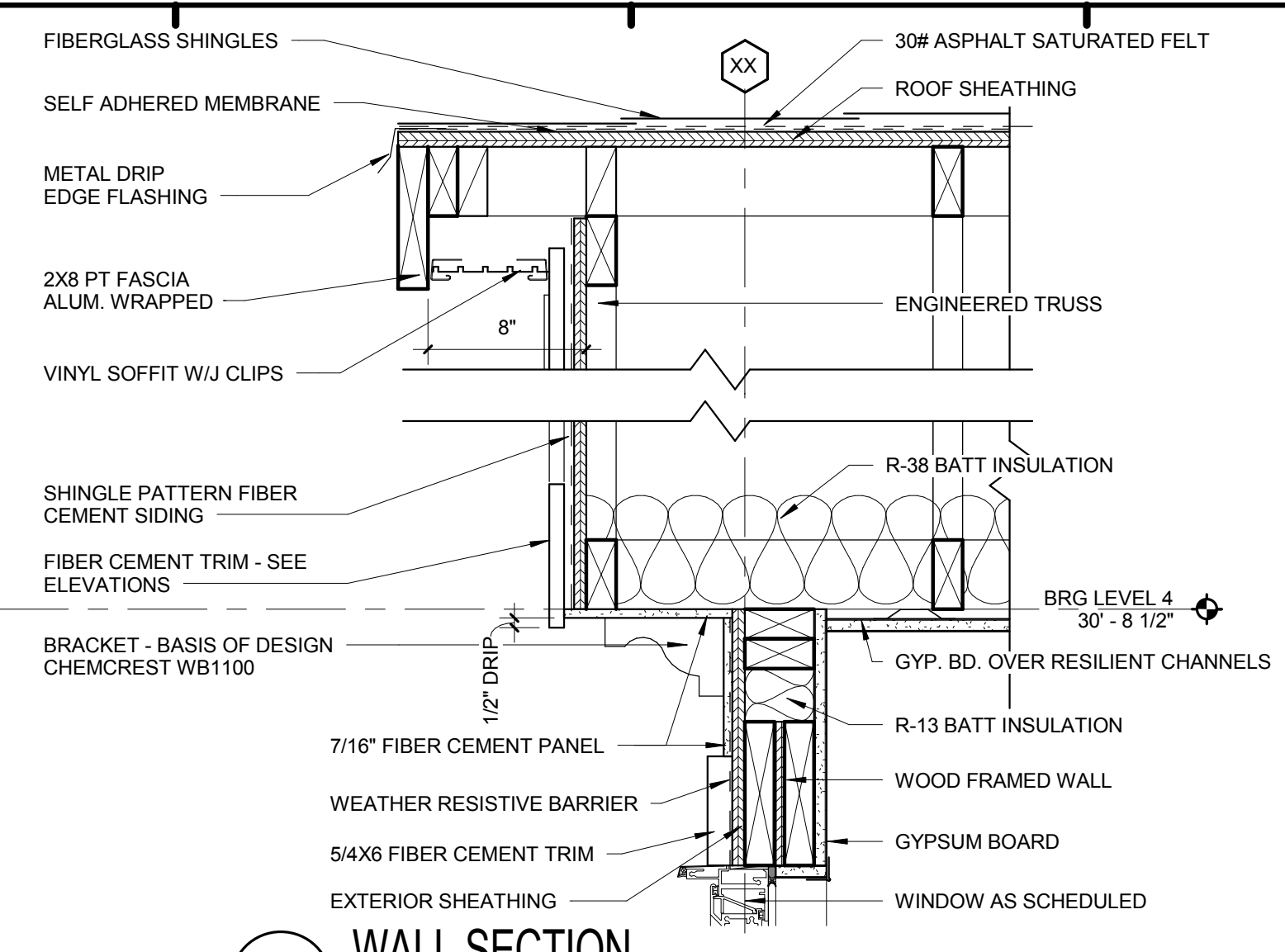
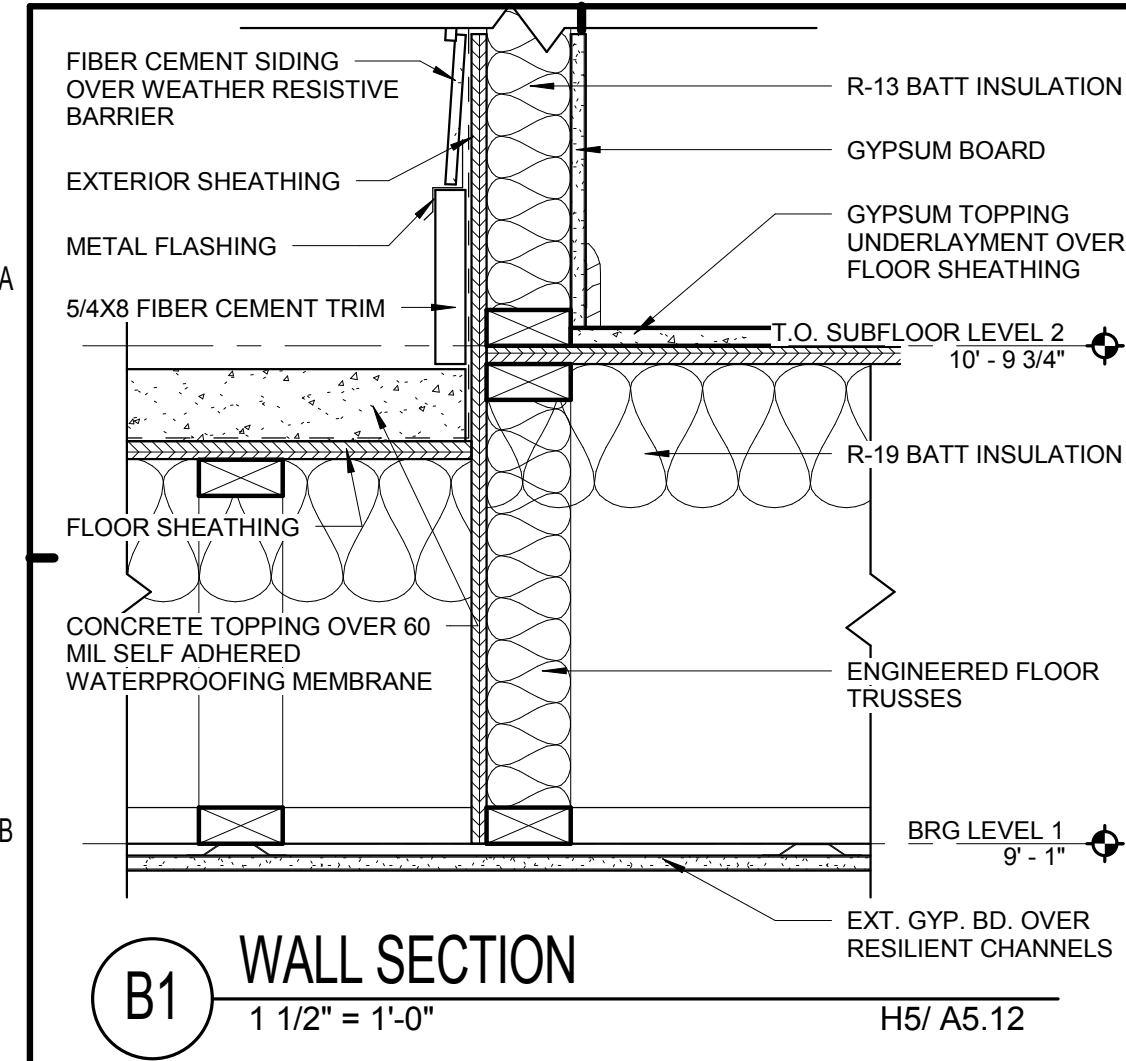


ISSUE HISTORY		
No.	Date	Description
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No.	Date	Description

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BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
WALL SECTION DETAILS
A6.01

PATRICK D. FITCH
 LICENSE # 103195



ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

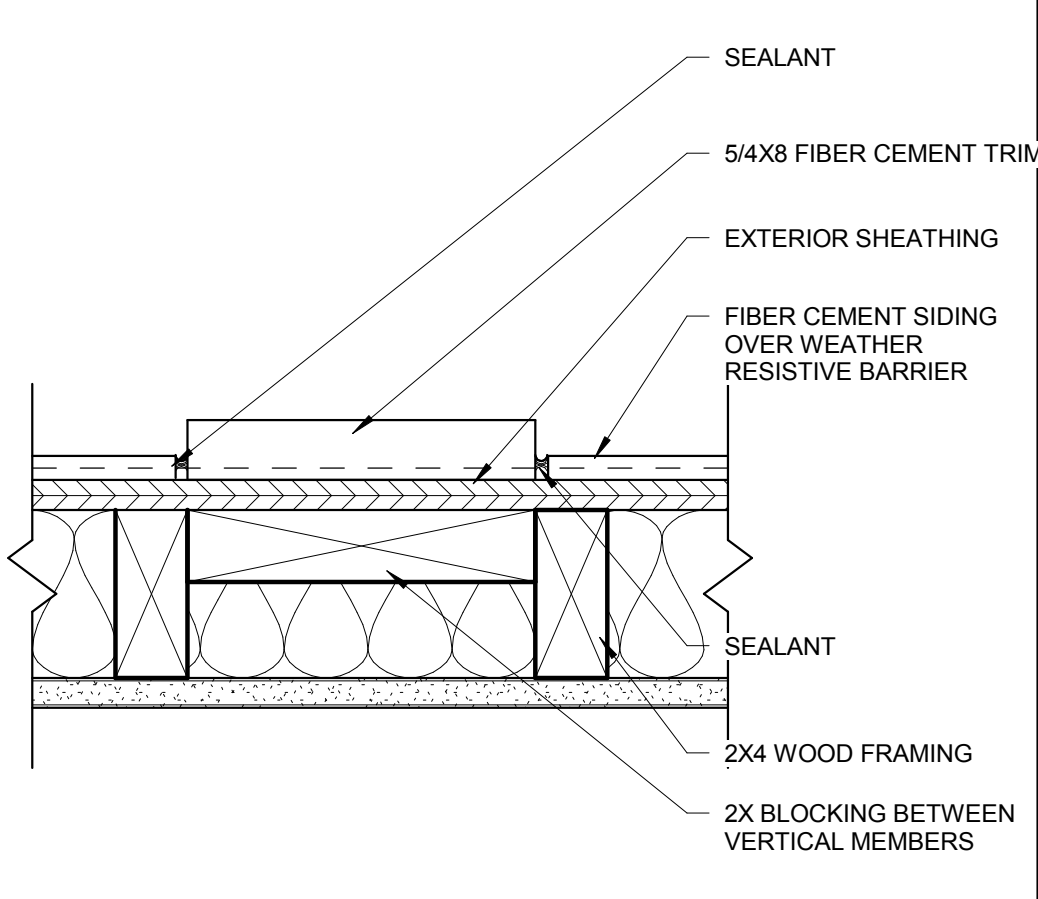
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BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Date: 04/29/2013
 Project #: 5166.400

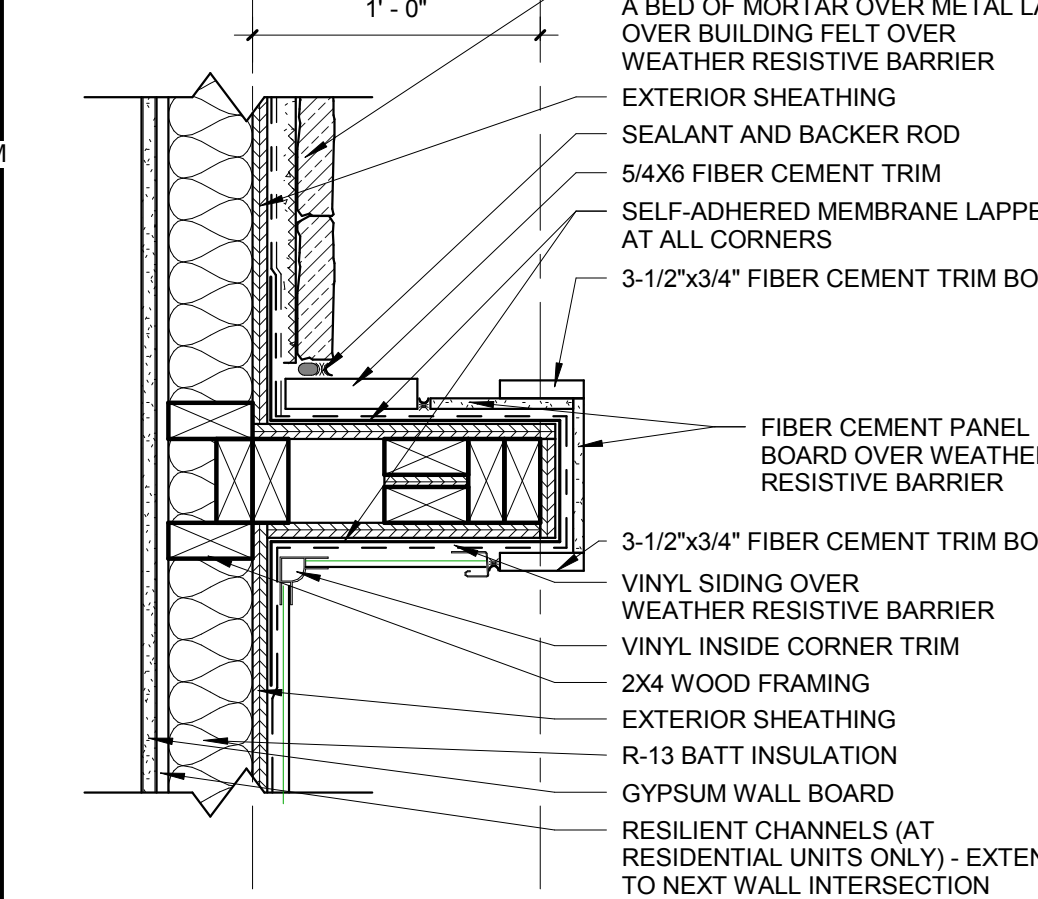
WALL SECTION DETAILS
A6.02

PATRICK D. FITCH
 LICENSE # 103195

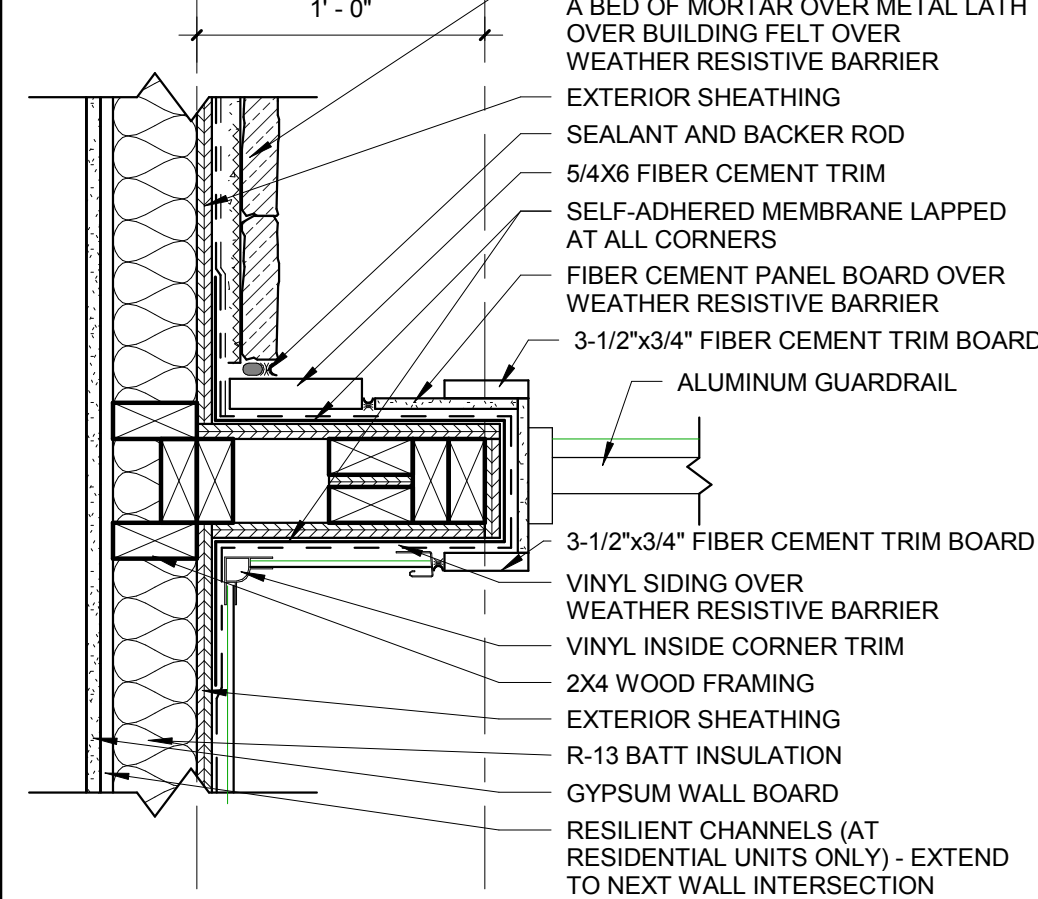
B5 VERTICAL TRIM BACKING DETAIL
3" = 1'-0"



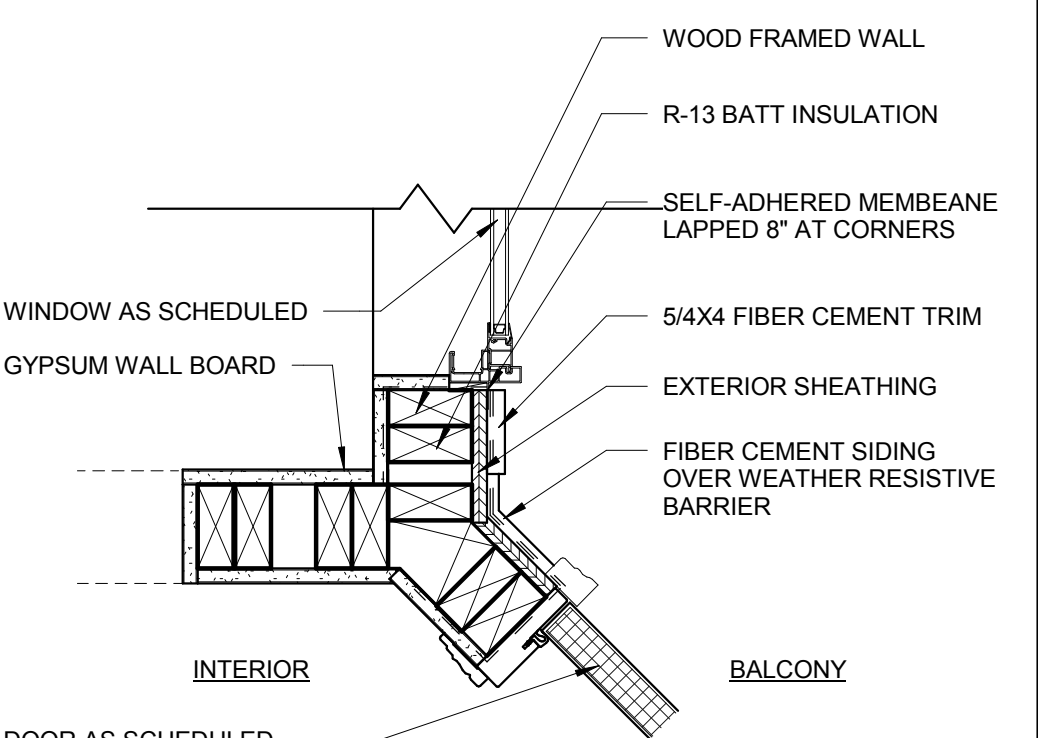
B7 PLAN DETAIL @ GRND. LVL.
1 1/2" = 1'-0" H7/ A2.17



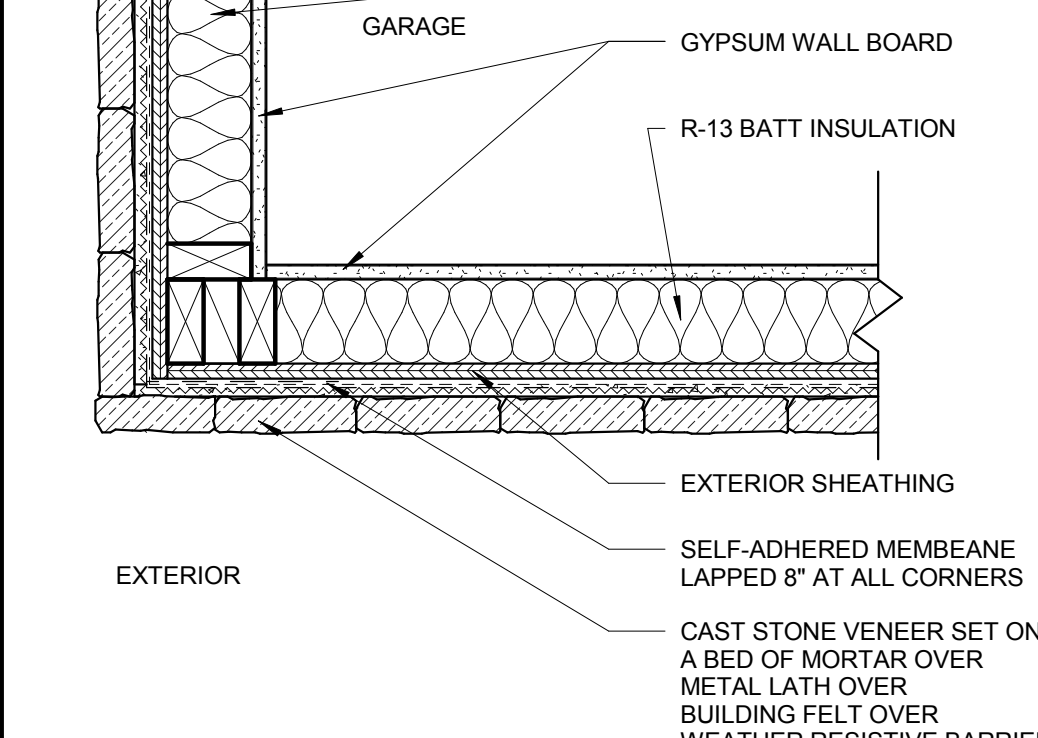
B9 PLAN DETAIL @ 2nd & 3rd LVL.
1 1/2" = 1'-0"



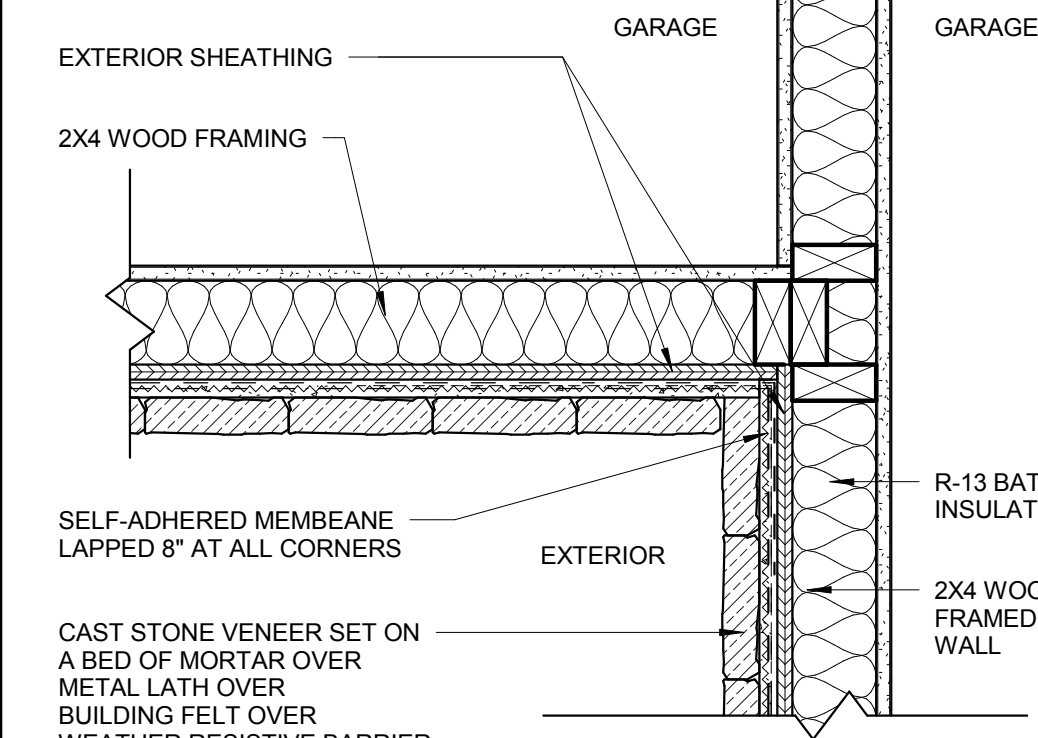
D5 PLAN DETAIL
1 1/2" = 1'-0" F6/ A2.16



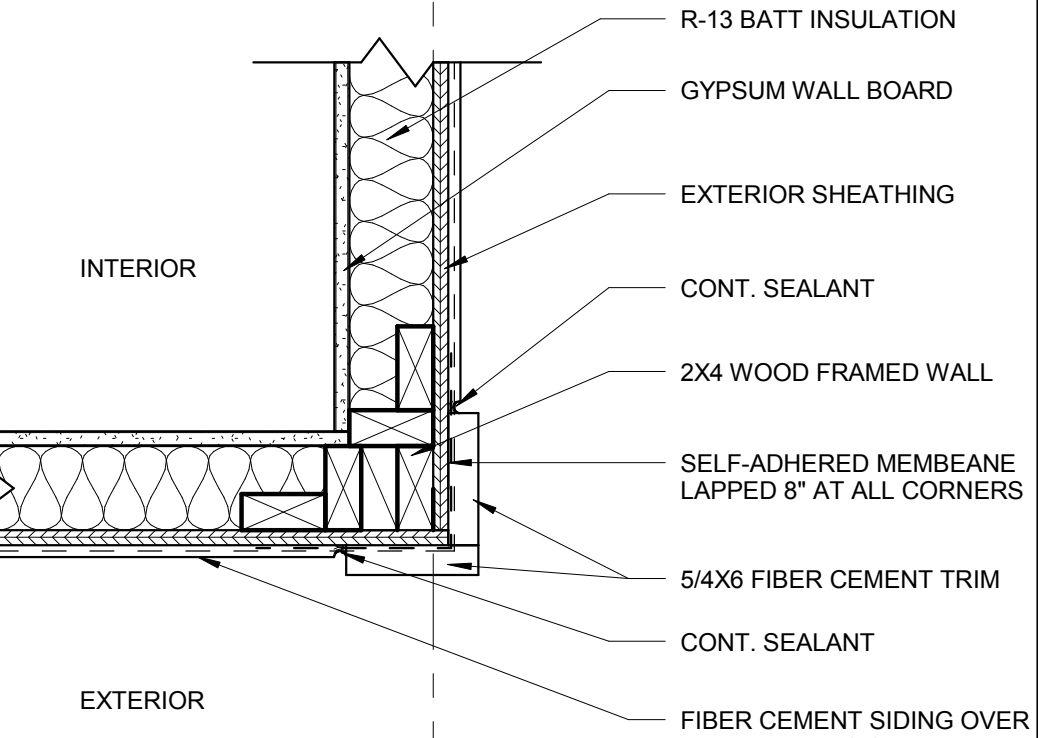
D7 OUTSIDE CORNER AT STONE
1 1/2" = 1'-0" H2/ A2.13



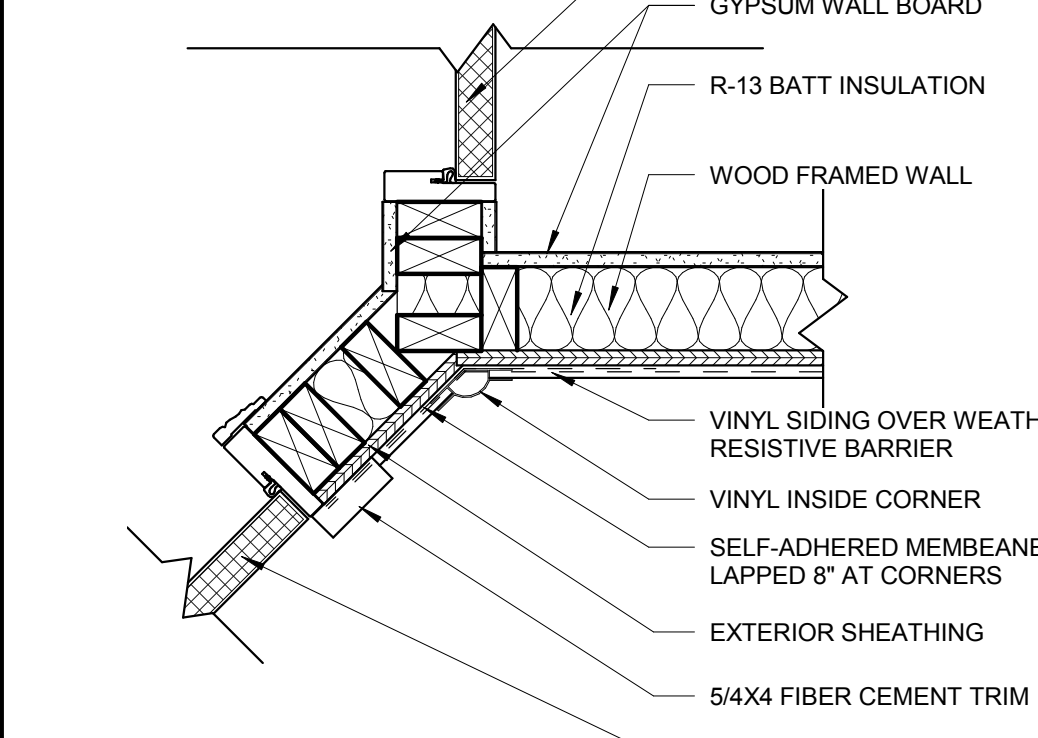
D9 INSIDE CORNER AT STONE
1 1/2" = 1'-0" H2/ A2.13



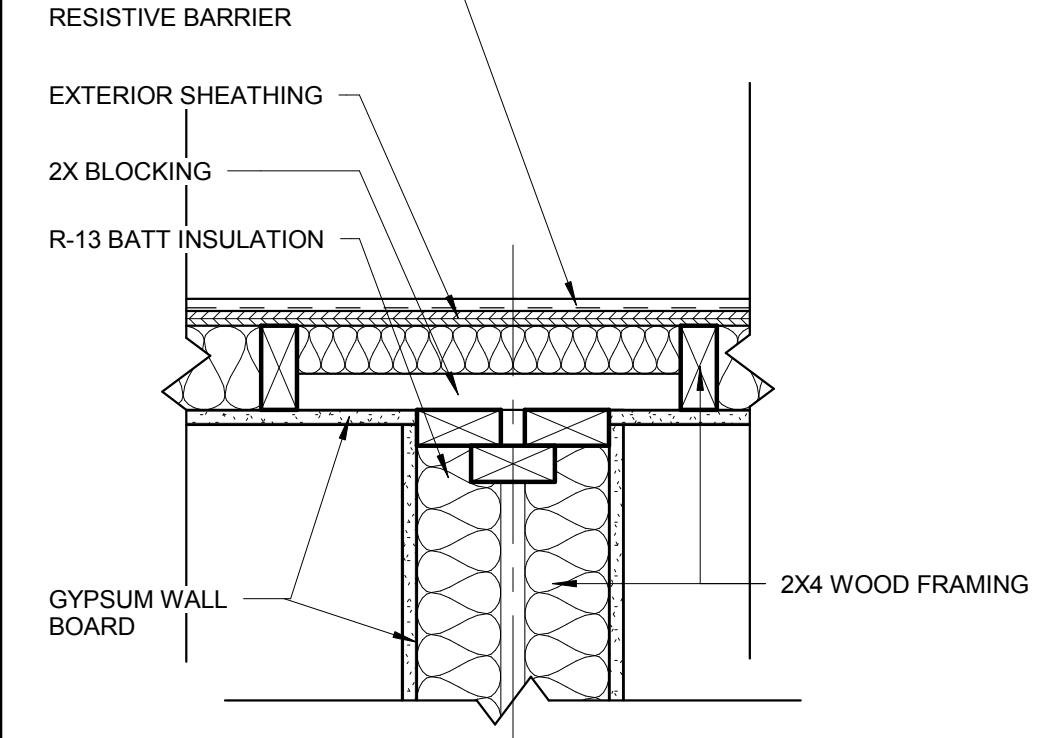
F5 OUTSIDE CORNER AT SIDING
1 1/2" = 1'-0" H2/ A2.01



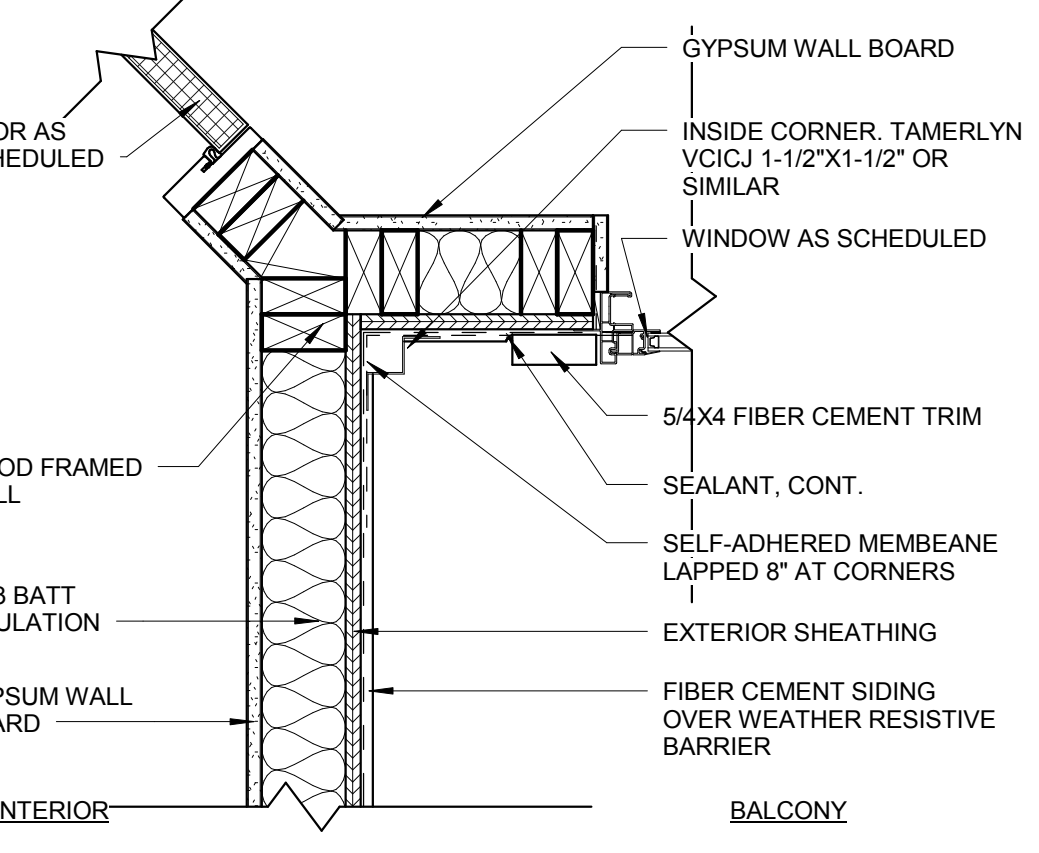
F7 PLAN DETAIL
1 1/2" = 1'-0" H2/ A2.13



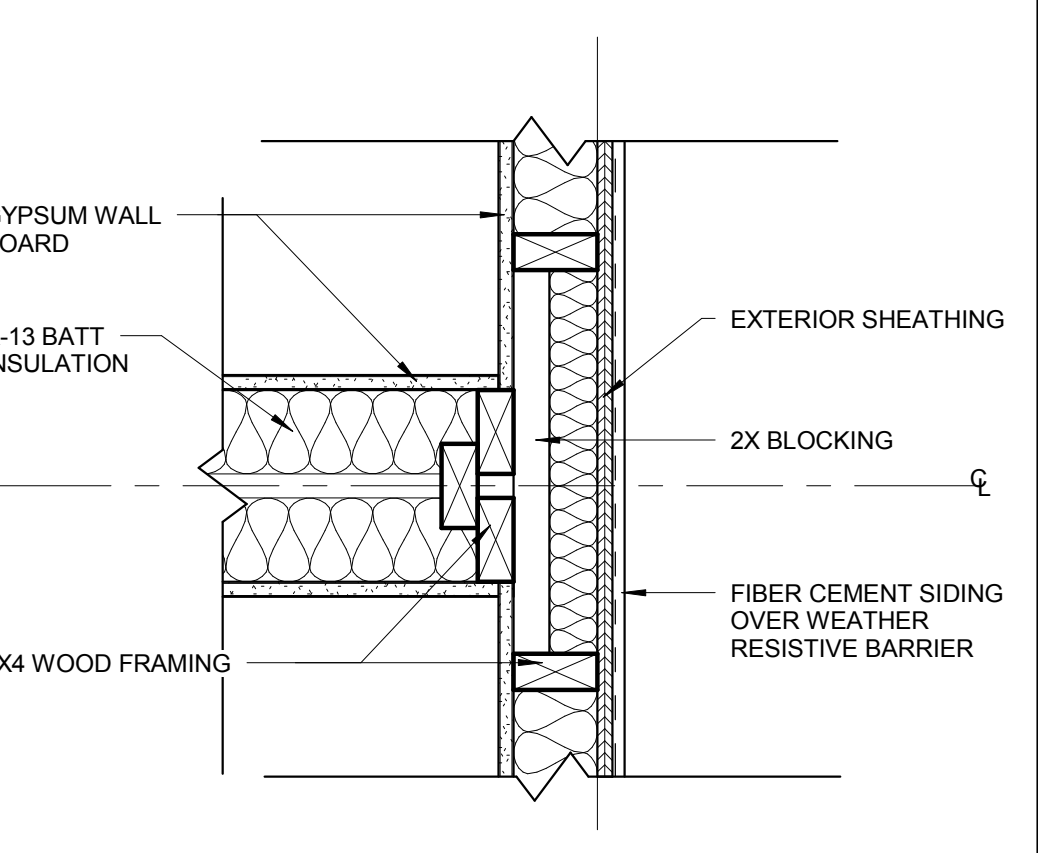
F9 PLAN DETAIL
1 1/2" = 1'-0" H2/ A2.13



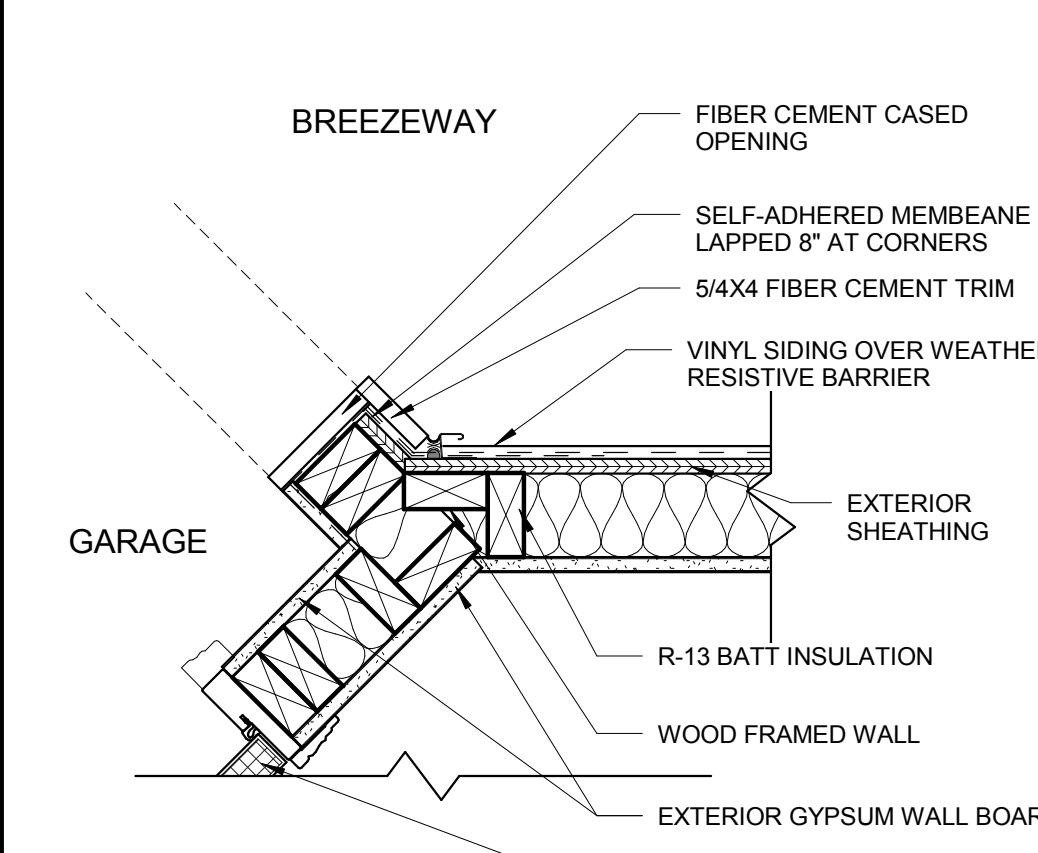
H3 INSIDE CORNER AT SIDING
1 1/2" = 1'-0" B8/ A2.16



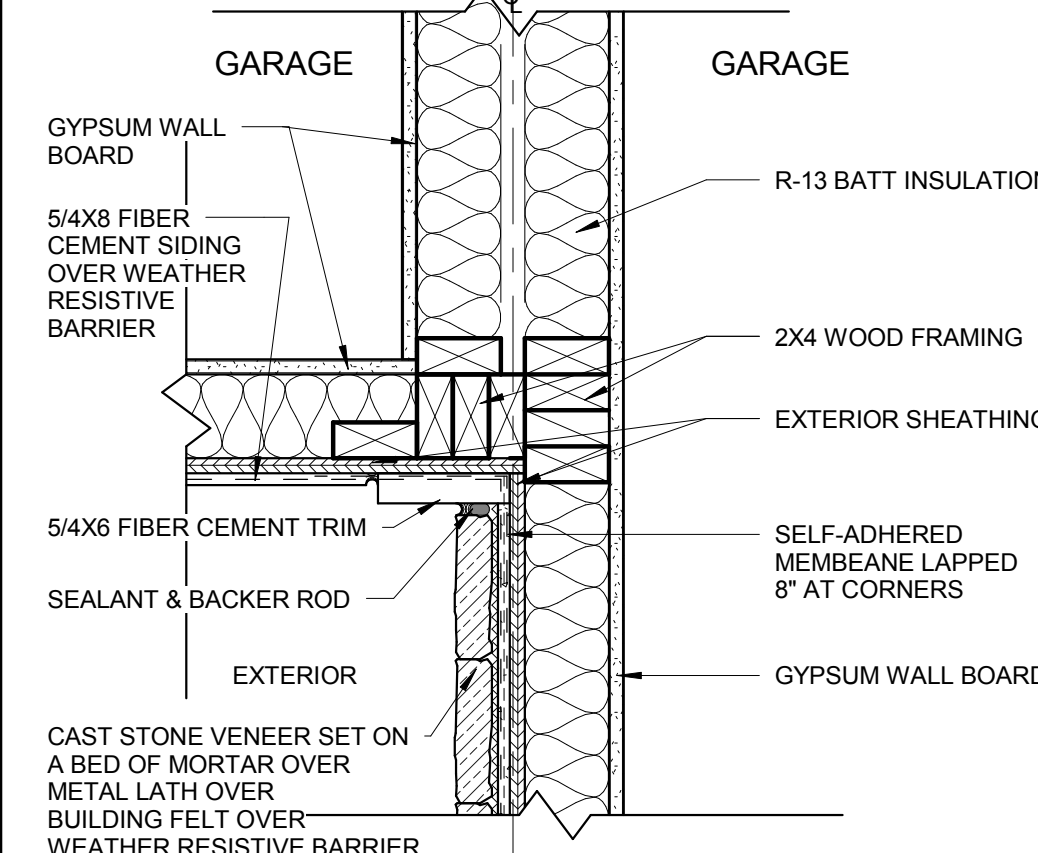
H5 PLAN DETAIL
1 1/2" = 1'-0" H2/ A2.01



H7 PLAN DETAIL
1 1/2" = 1'-0" H2/ A2.13



H9 PLAN DETAIL
1 1/2" = 1'-0" H2/ A2.13



ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

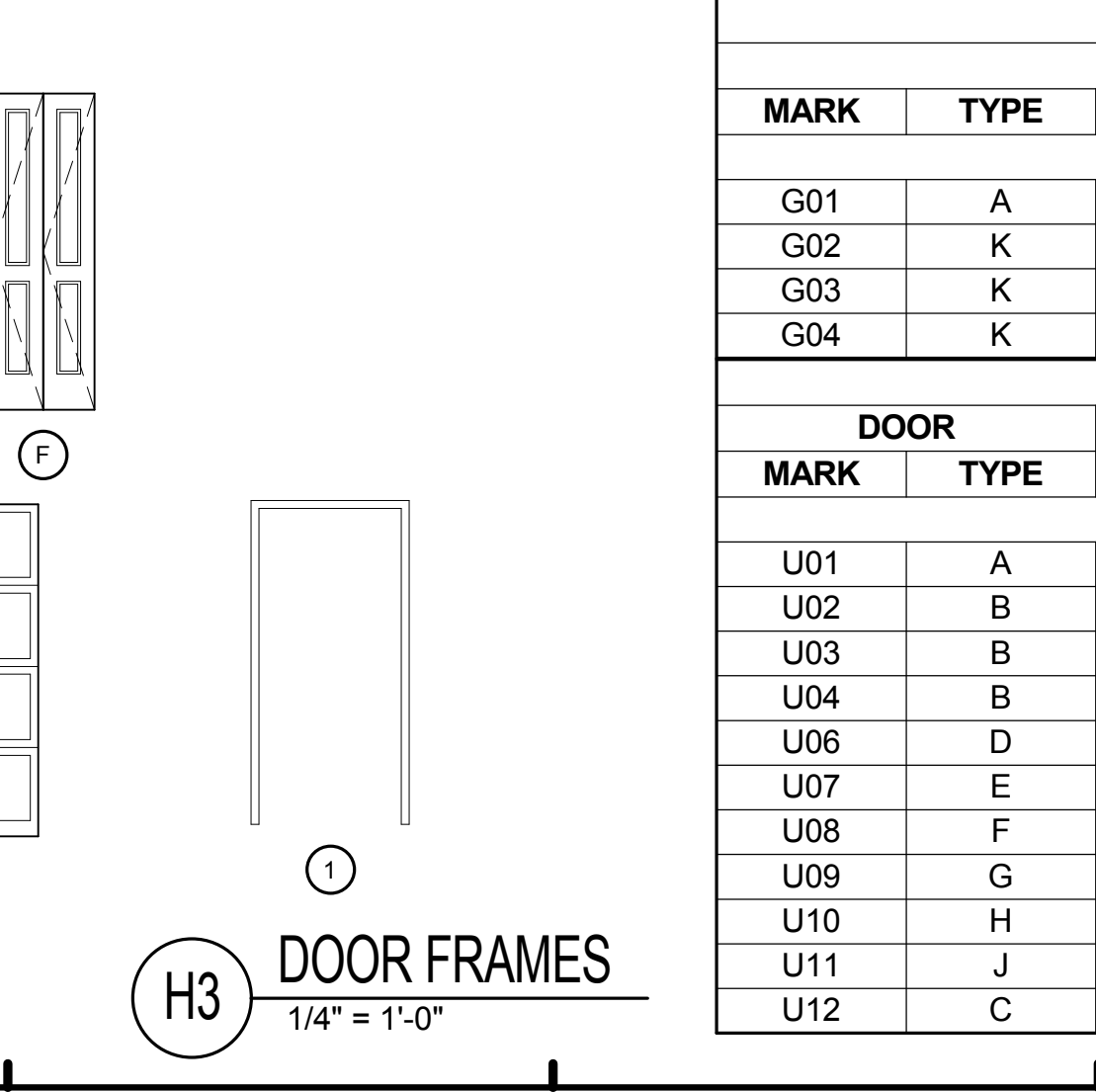
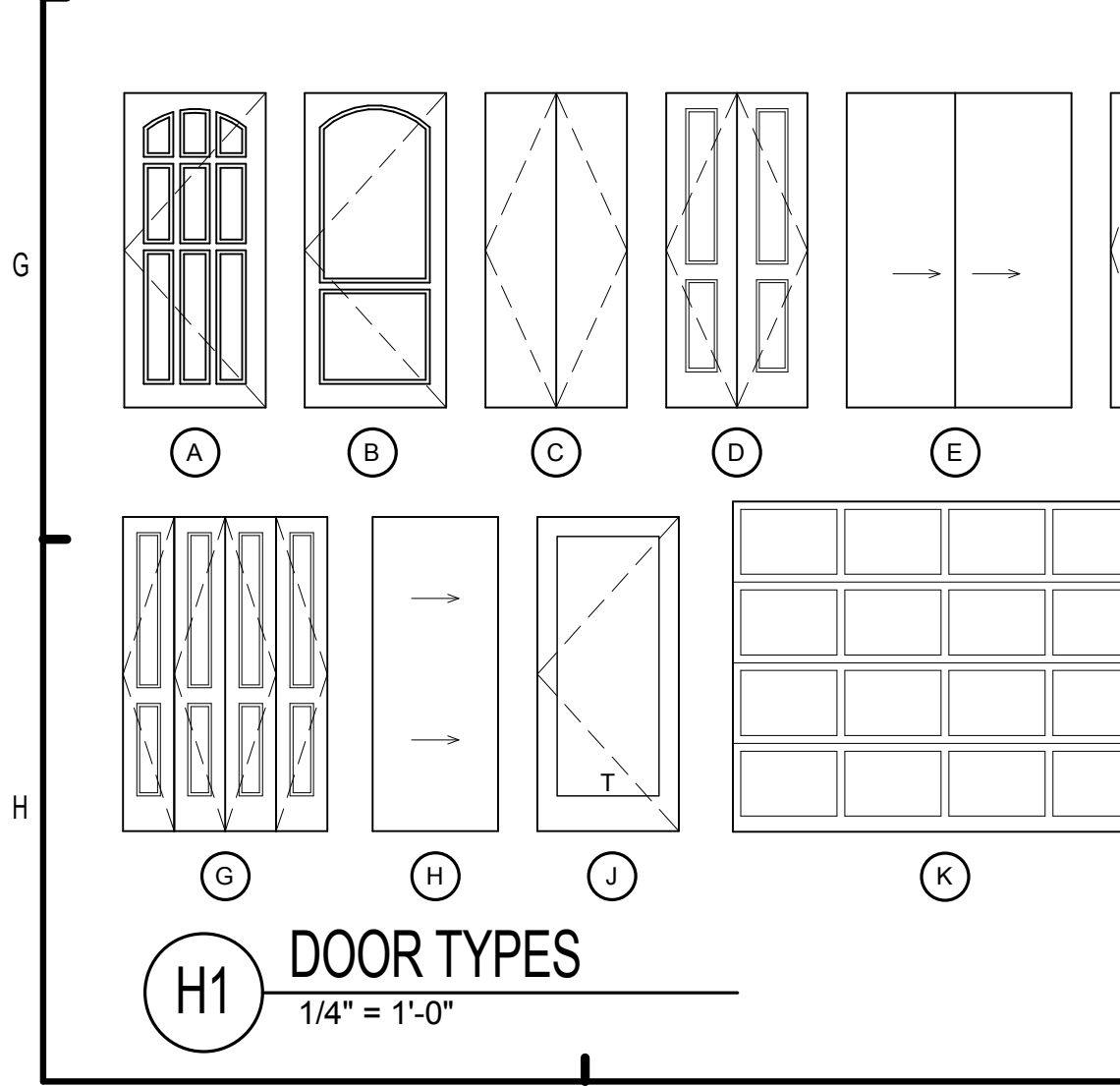
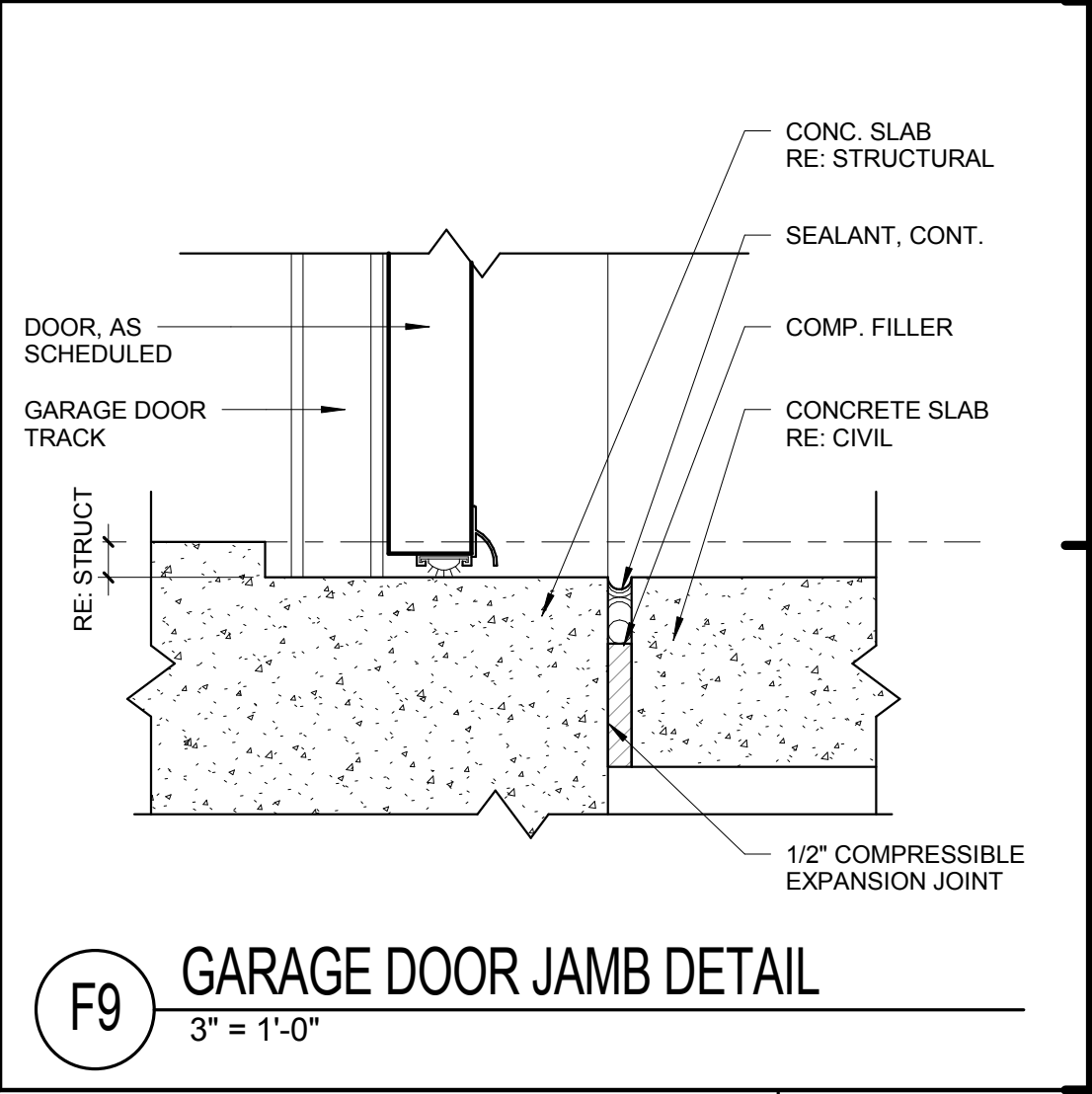
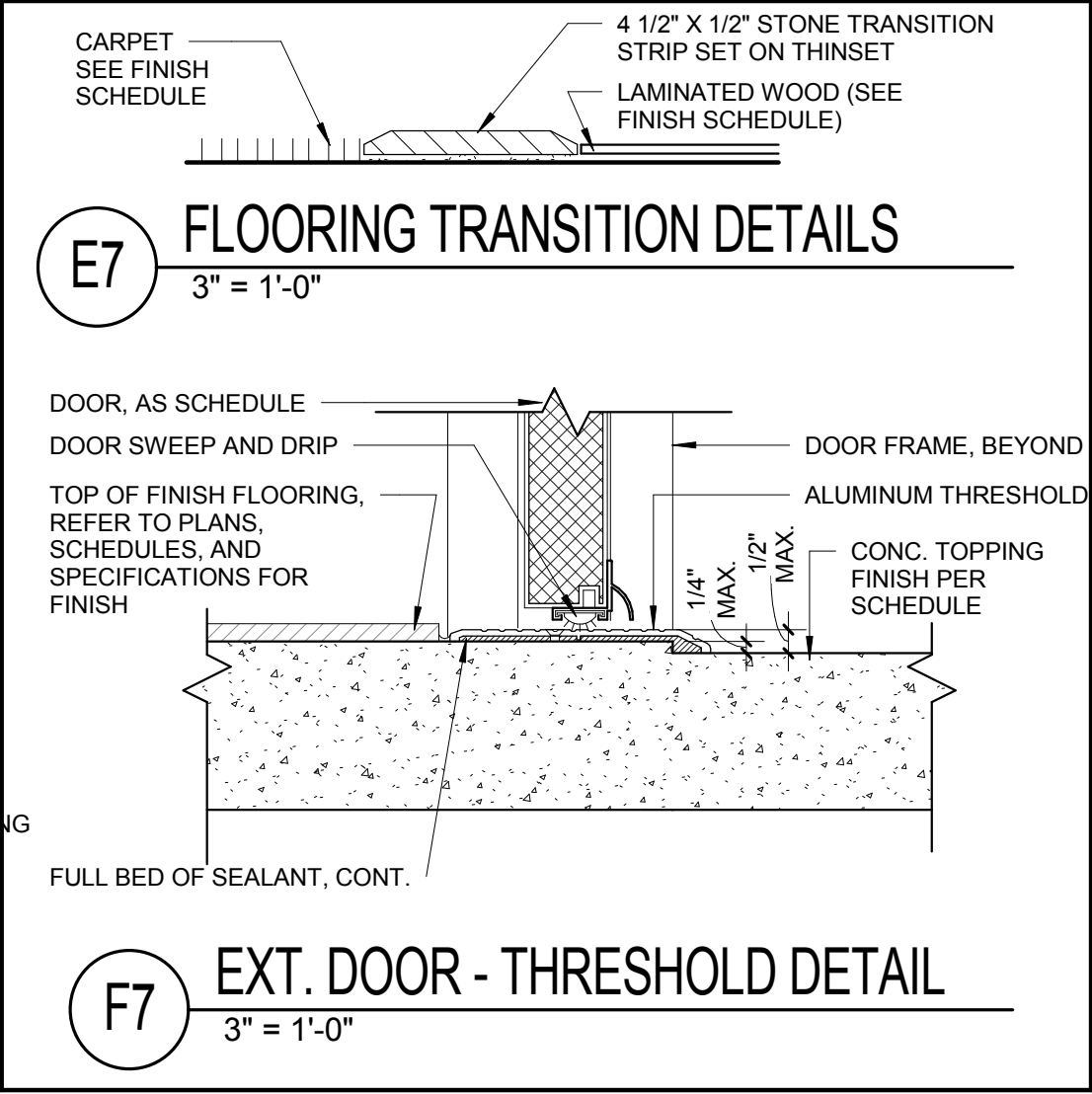
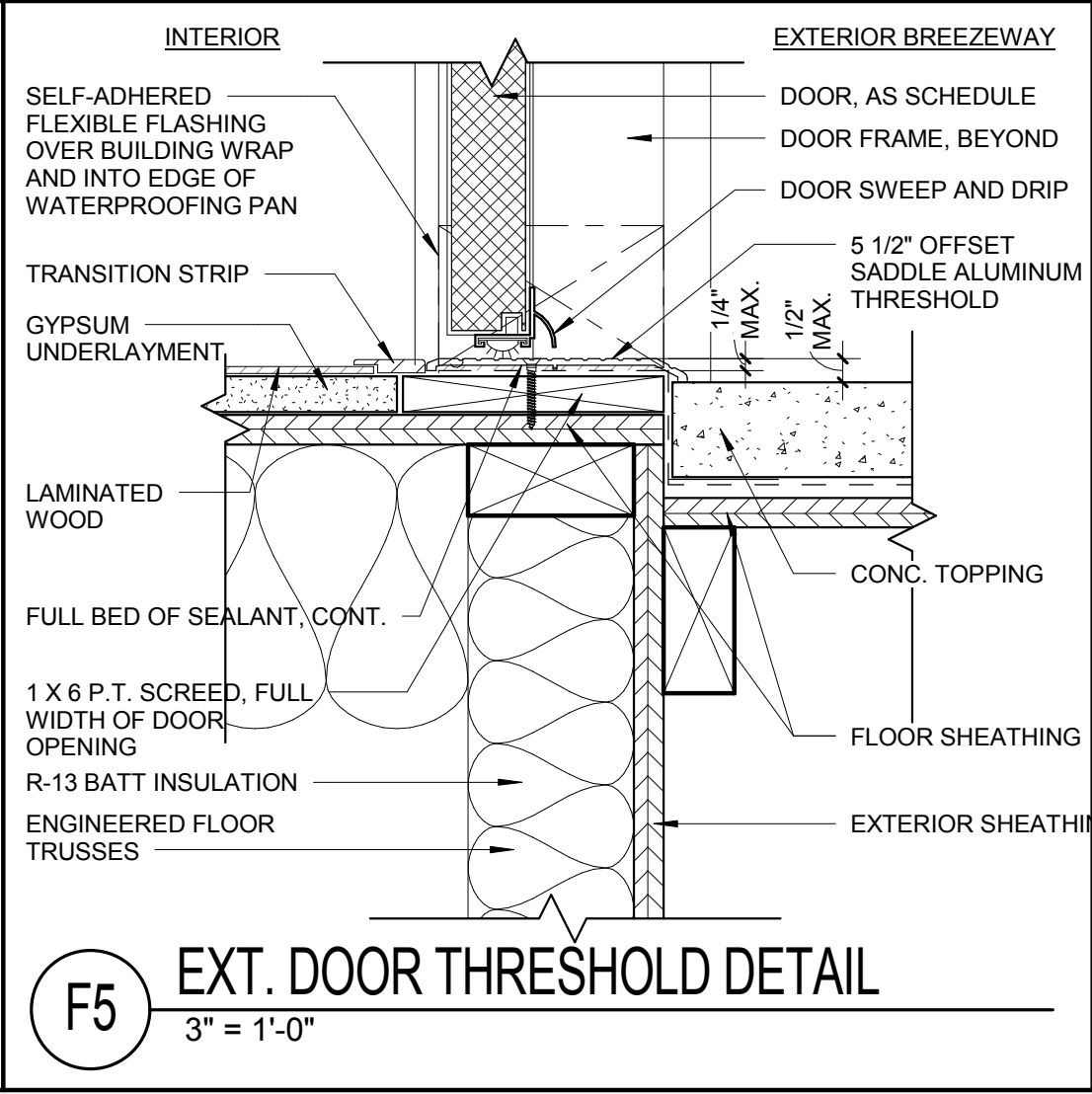
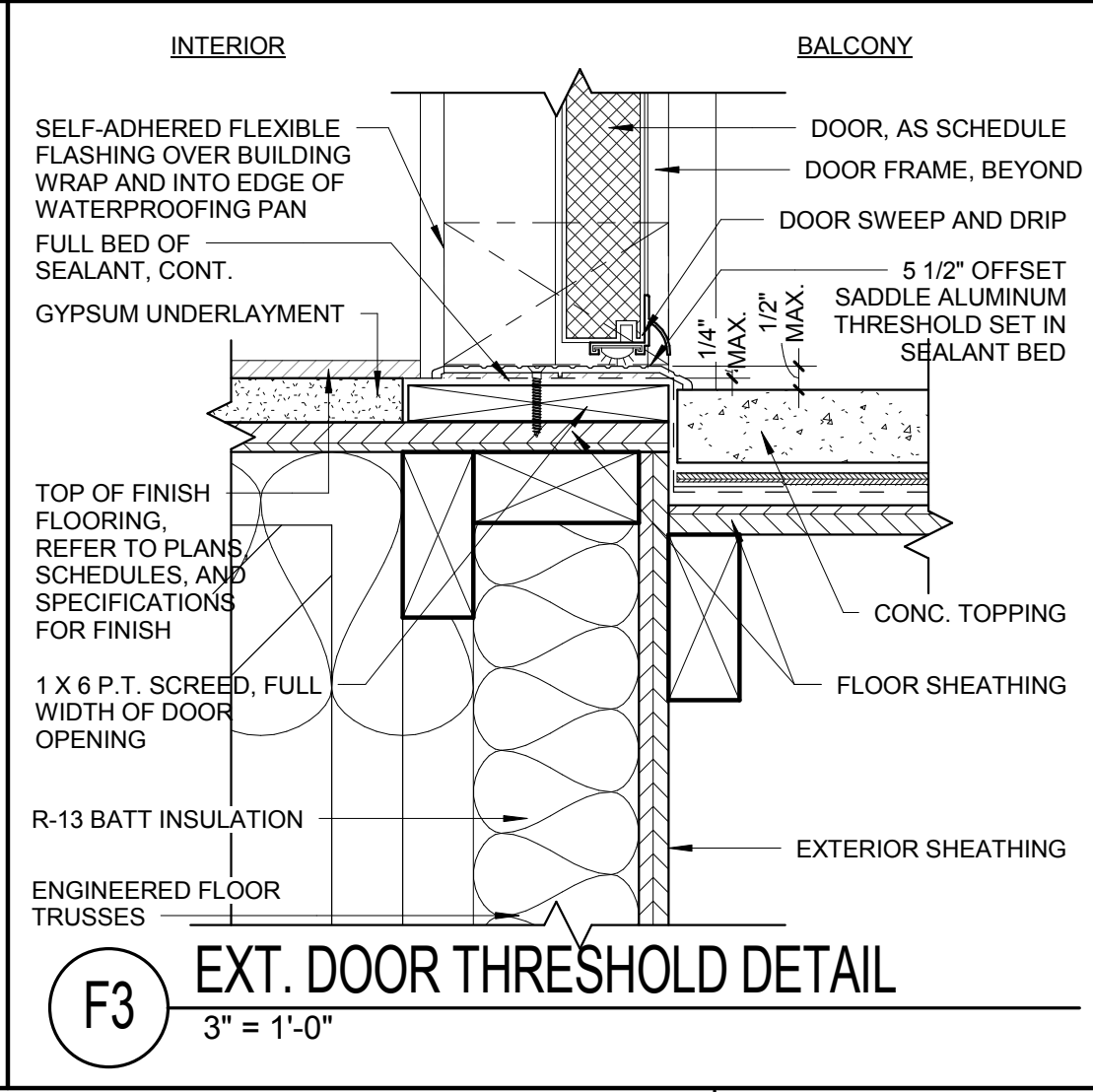
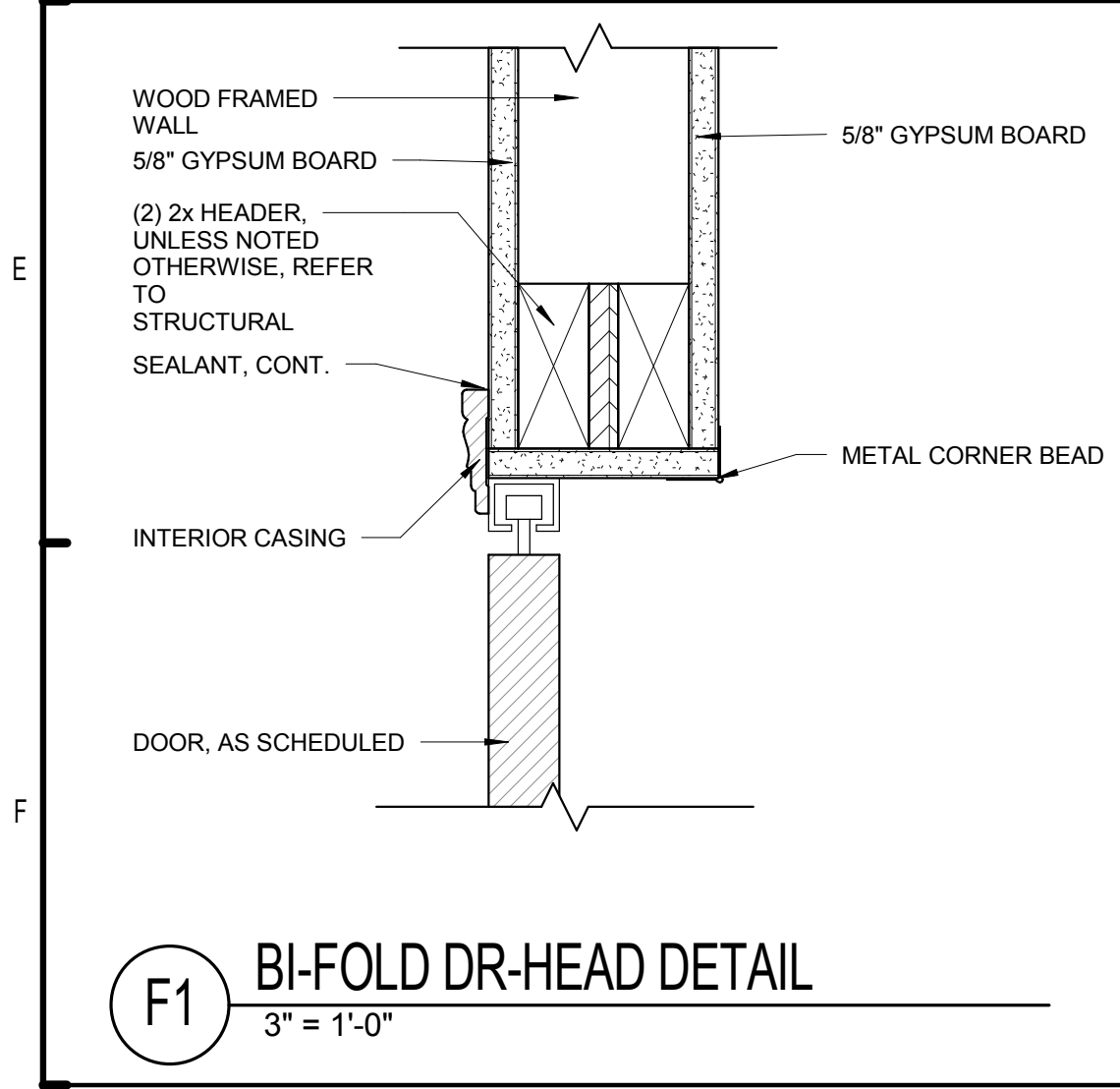
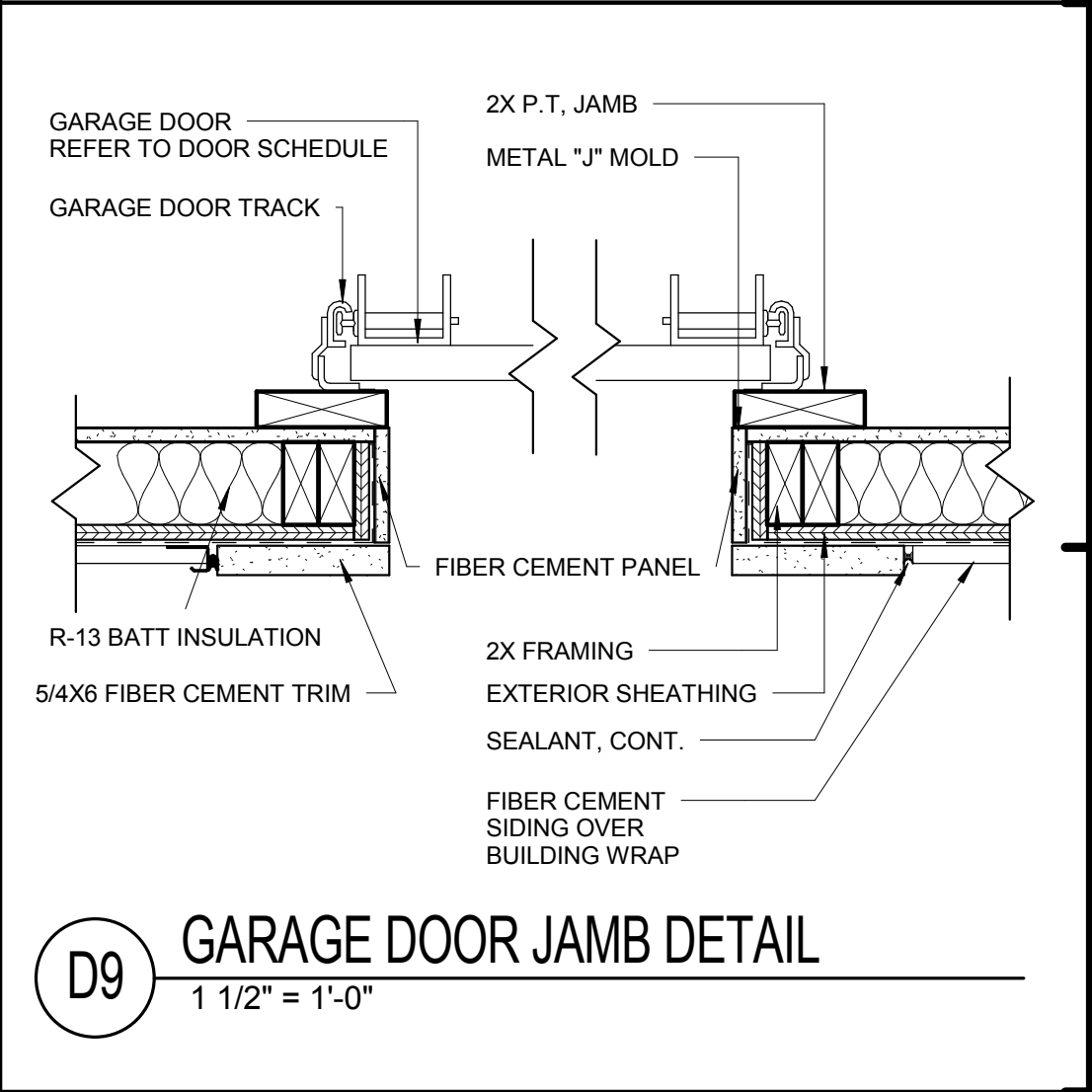
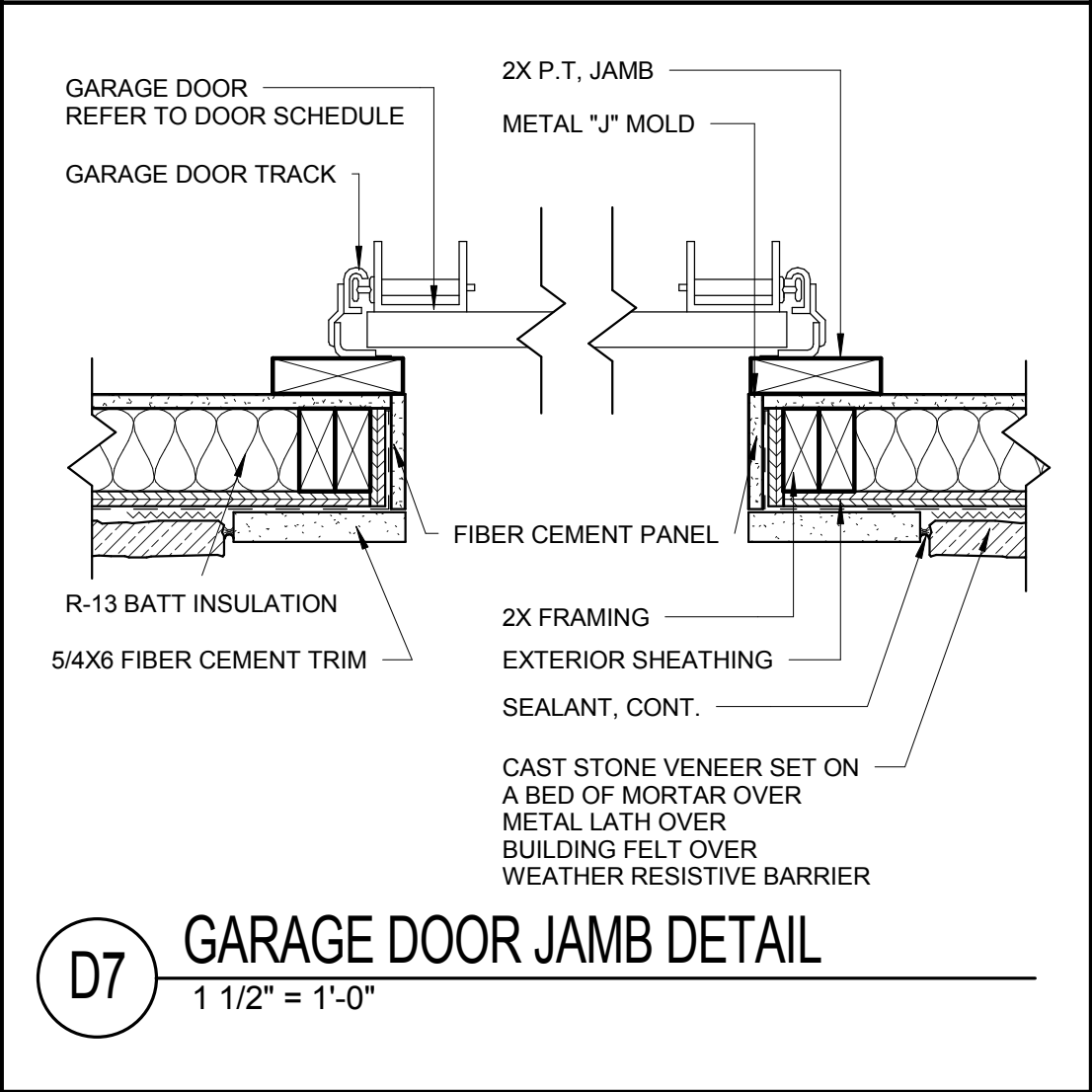
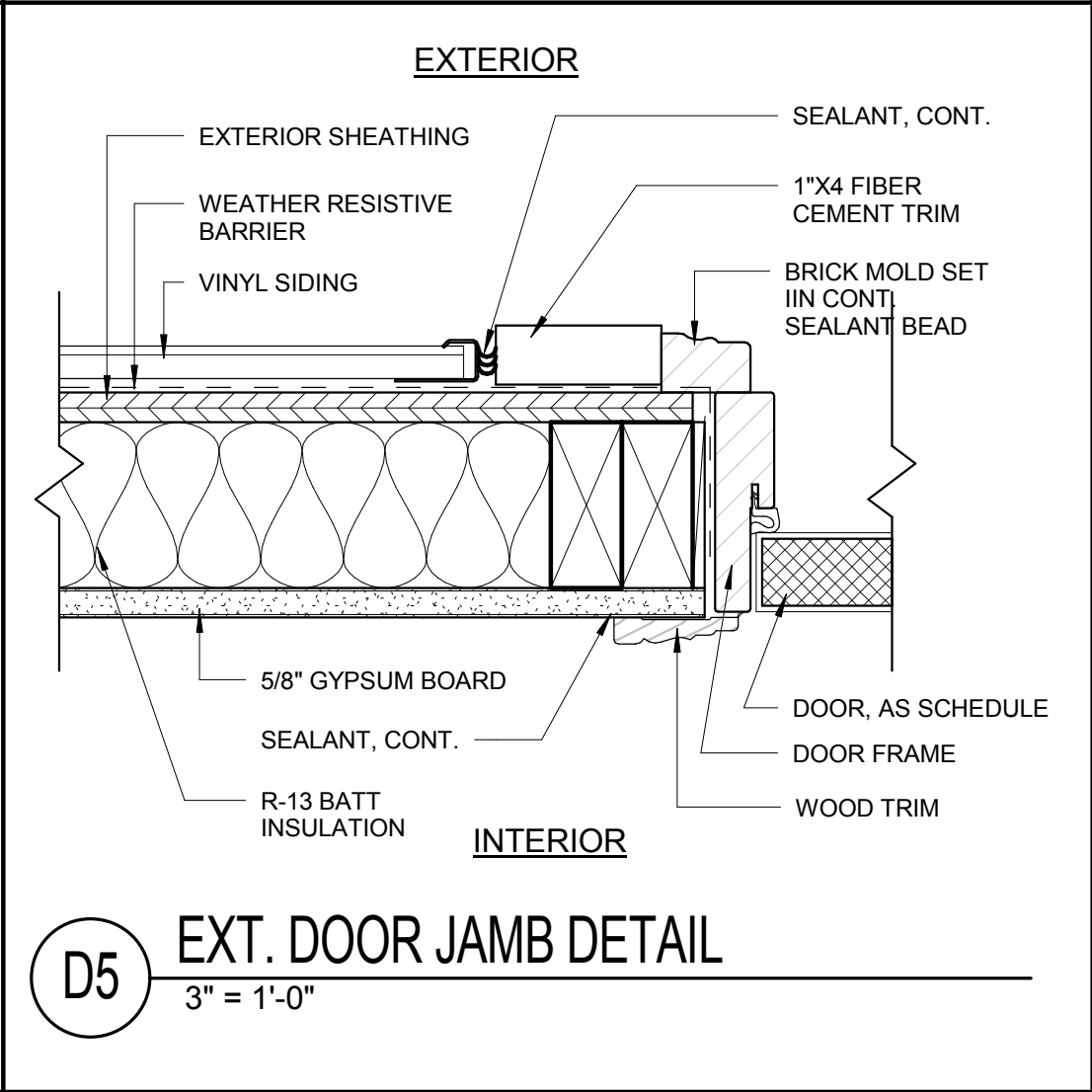
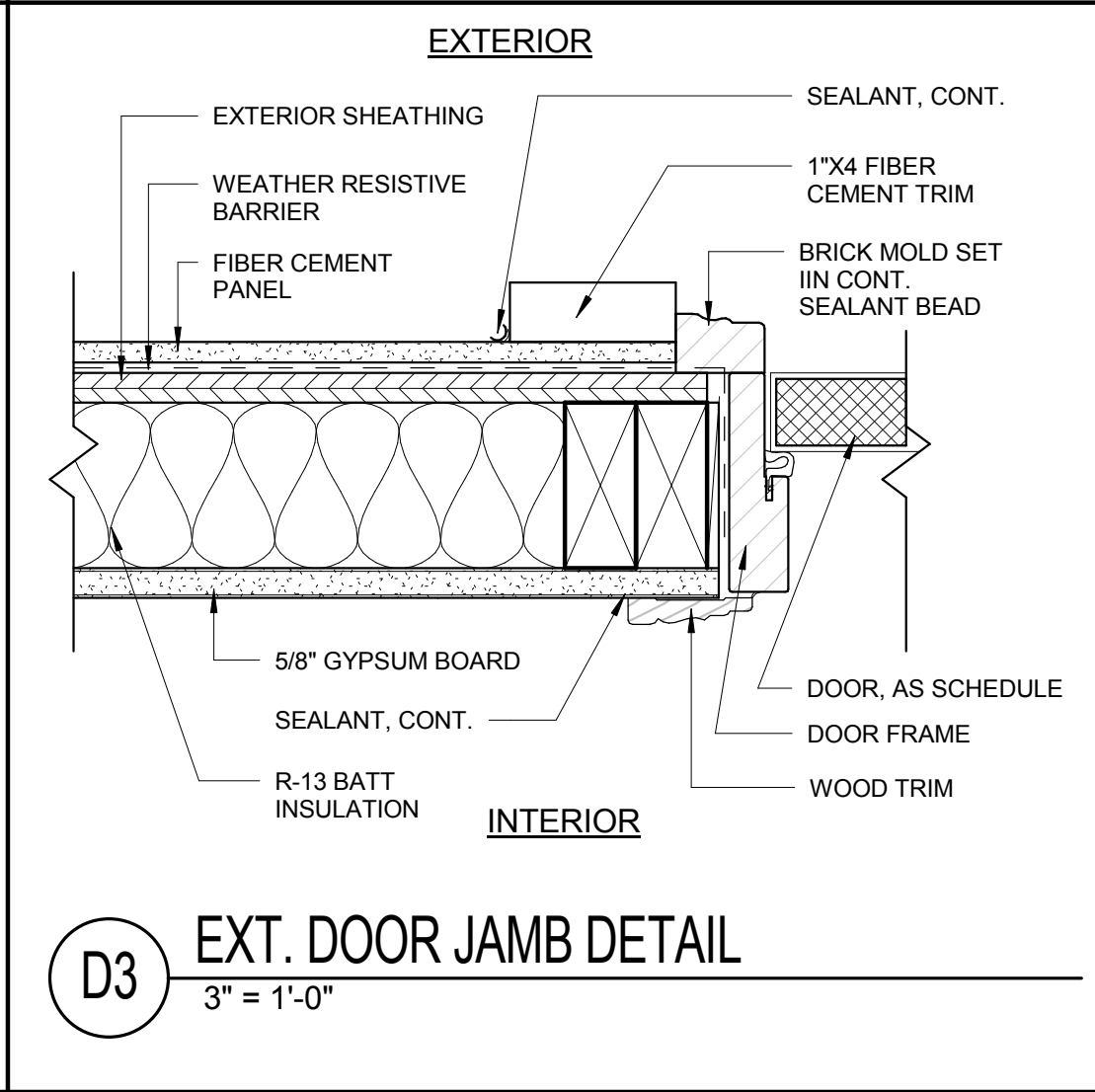
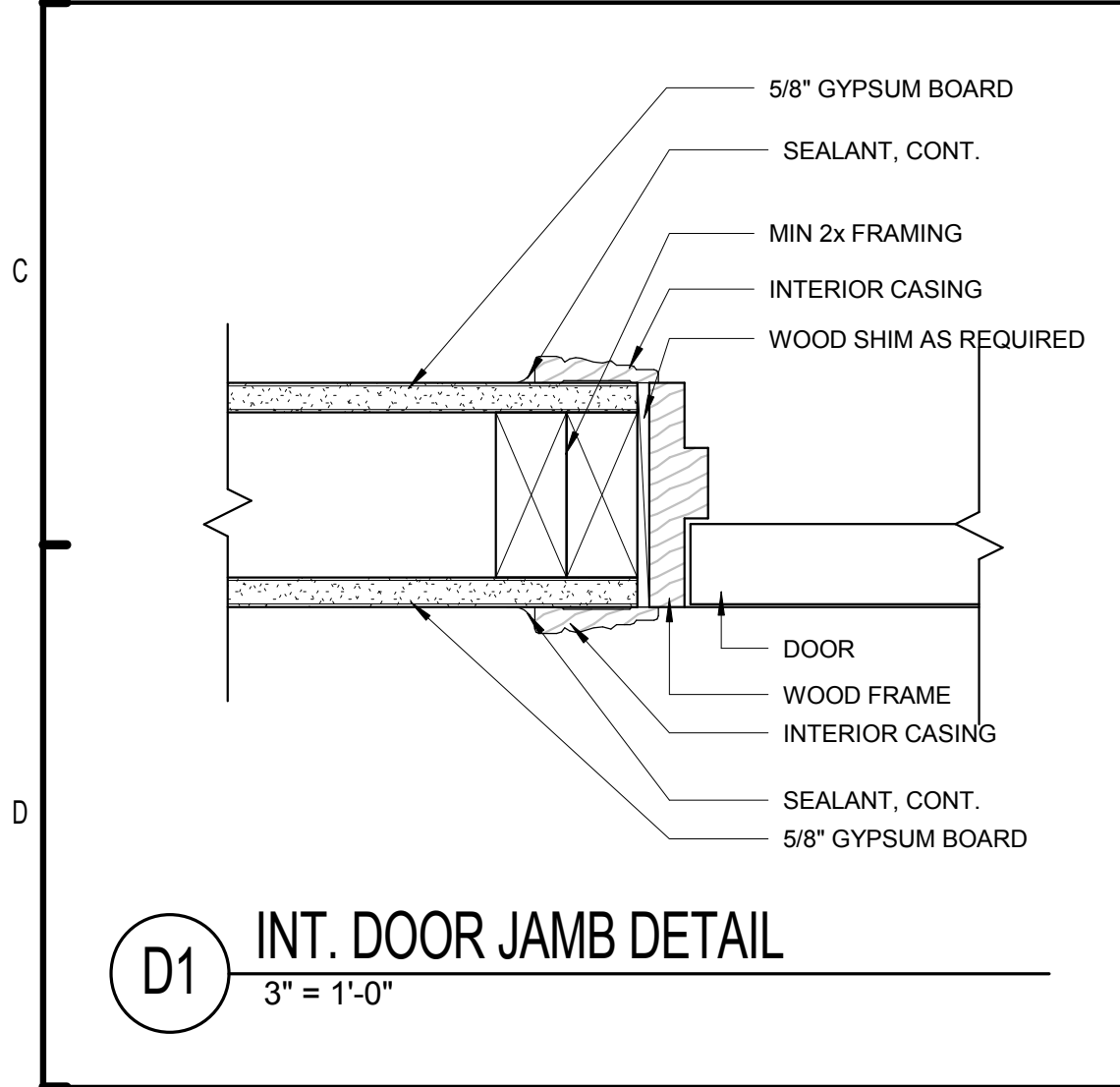
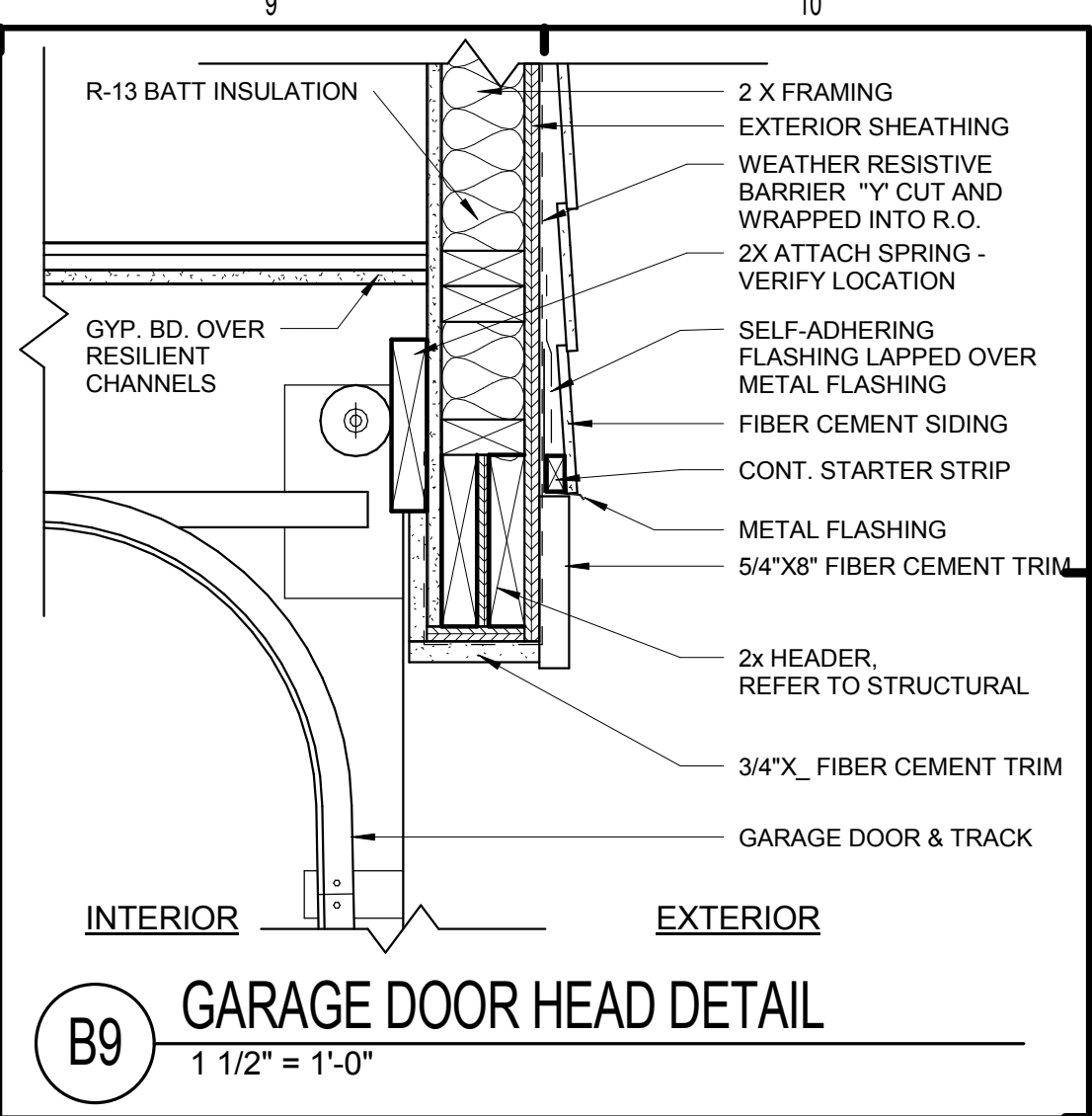
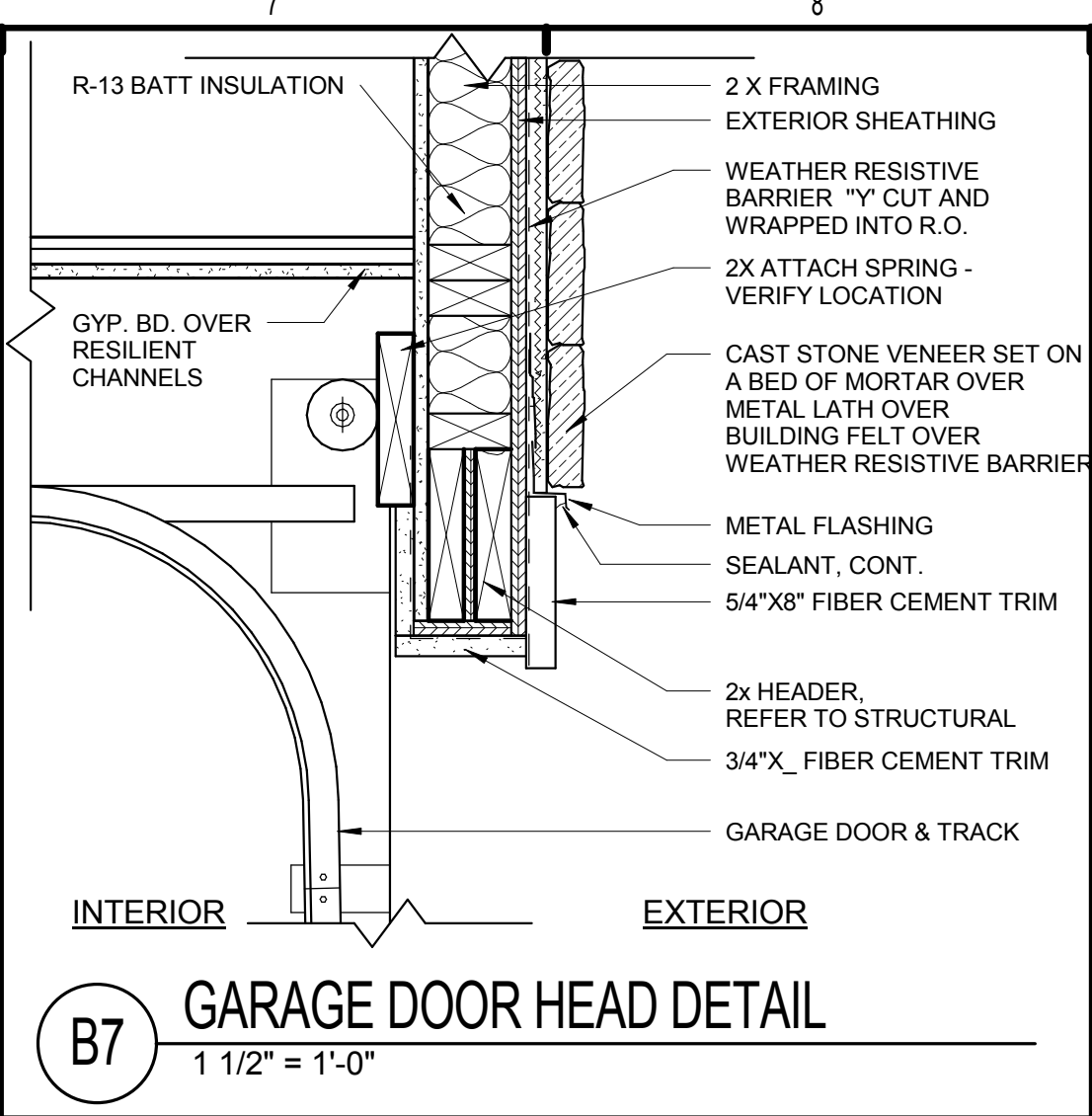
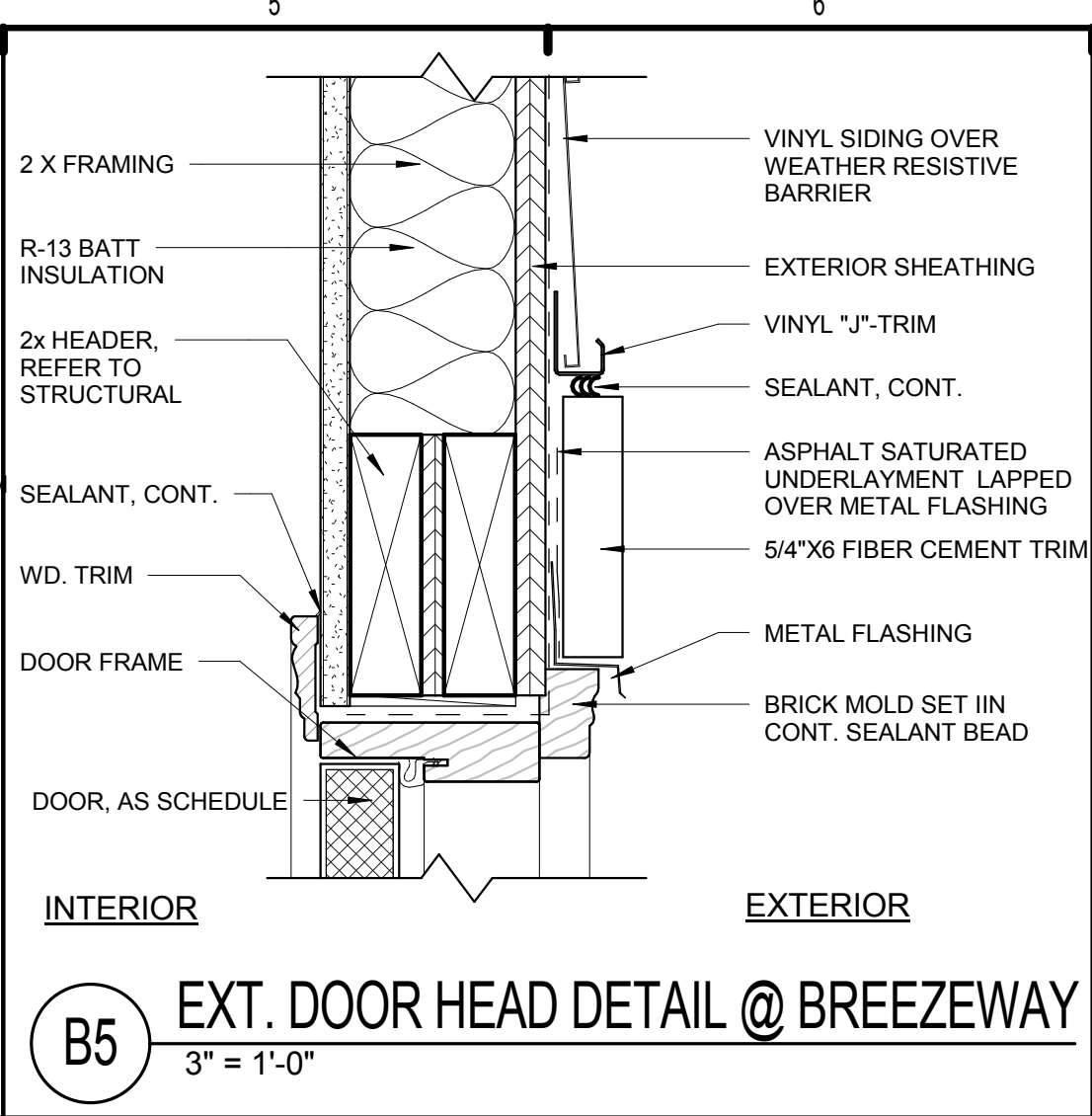
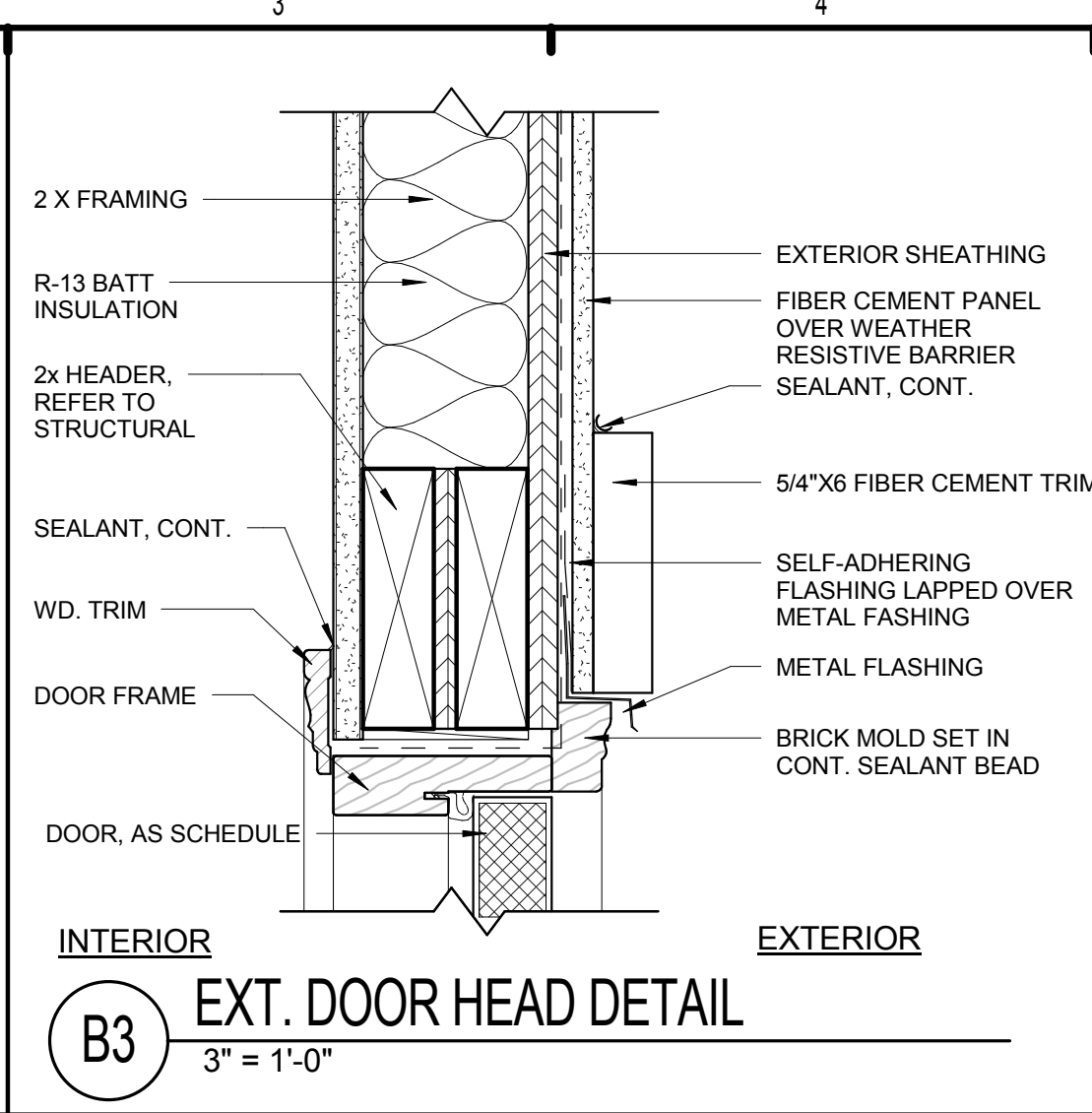
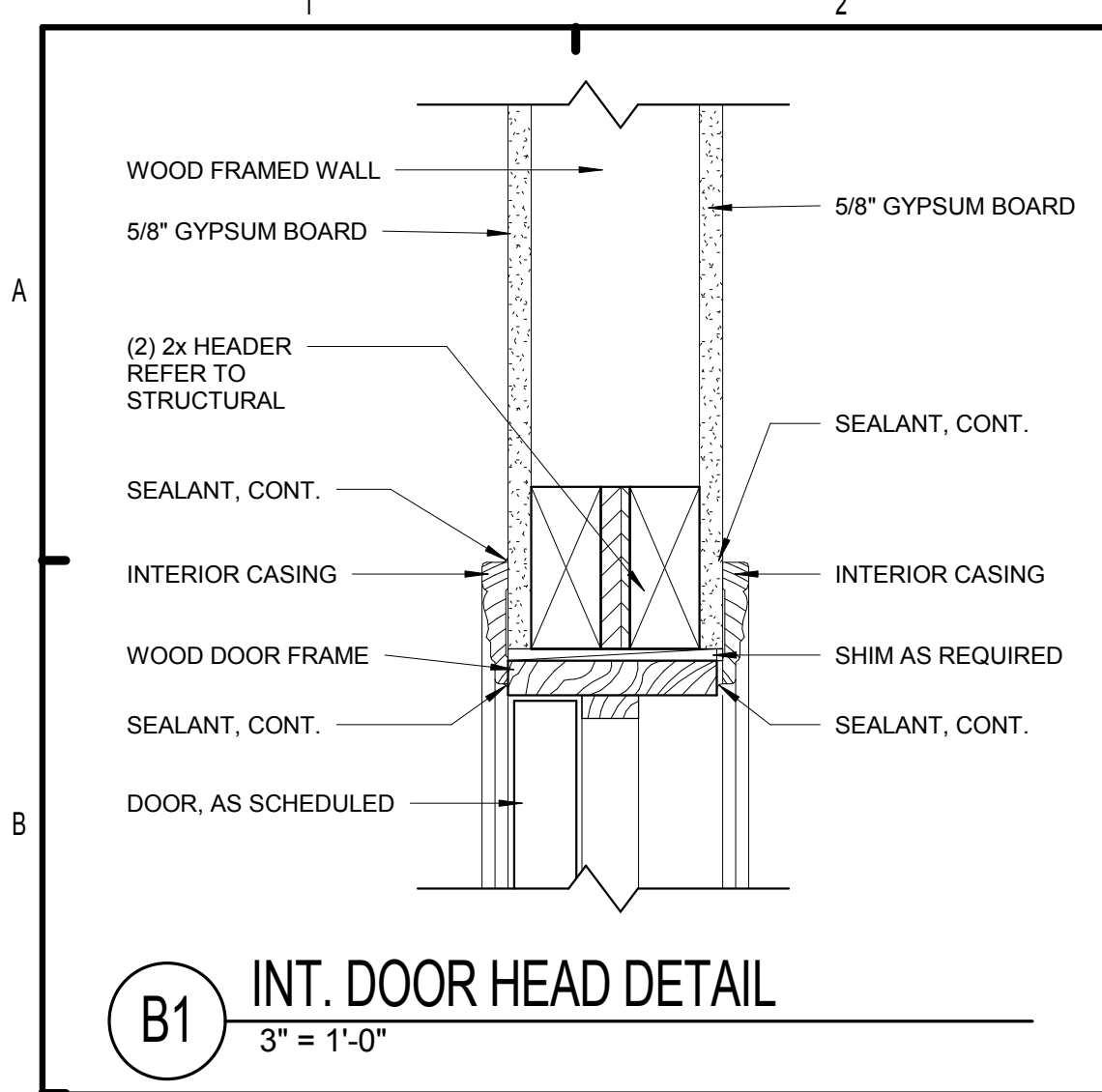
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BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Date: 04/29/2013
 Project #: 5166.400

PLAN DETAILS
A6.10

PATRICK D. FITCH
 LICENSE # 103195



DOOR SCHEDULE - GENERAL												
MARK	TYPE	DOOR			FRAME			DOOR RATING	HARDWARE SET	NOTES		
		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	HEAD				JAMB	THRESHOLD
G01	A	3' - 0"	6' - 8"	2"	1	HM / INSUL	B5/A7.01	D5/A7.01	F7/A7.01	20 MIN.	09	
G02	K	9' - 0"	7' - 0"	1 1/2"	-	-	B9/7.01	D9/A7.01	F9/A7.01		MFR	
G03	K	12' - 0"	7' - 0"	1 1/2"	-	-	B7&B9/7.01	D7&D9/A7.01	F9/A7.01		MFR	
G04	K	12' - 0"	8' - 2"	1 1/2"	-	-	B7&B9/7.01	D7&D9/A7.01	F9/A7.01		MFR	ACCESSIBLE GARAGE

DOOR SCHEDULE - UNITS												
MARK	TYPE	DOORS			FRAME			DOOR RATING	HARDWARE SET	NOTES		
		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	HEAD				JAMB	THRESHOLD
U01	A	3' - 0"	6' - 8"	2"	1	HM / INSUL	B5/A7.01	D5/A7.01	F5&F7/A7.01	20 MIN.	01	
U02	B	2' - 10"	6' - 8"	2"	1	WOOD	B1/A7.01	D1/A7.01	F1/A7.01		03	
U03	B	2' - 10"	6' - 8"	2"	1	WOOD	B1/A7.01	D1/A7.01	F1/A7.01		04	
U04	B	1' - 6"	6' - 8"	2"	1	WOOD	B1/A7.01	D1/A7.01	F1/A7.01		04	
U06	D	(2) 1' - 8"	6' - 8"	2"	1	WOOD	B1/A7.01	D1/A7.01	F1/A7.01		05	PAIR OF DOORS
U07	E	4' - 11 1/4"	6' - 8"	1 3/8"	-	WOOD	B9/A7.02	-	C9/A7.02		07	(2) 30" DOORS - MIRRORED-
U08	F	3' - 0"	6' - 8"	1 1/2"	-	WOOD	F1/A7.01	-	-		06	BIFOLD - MIRRORED- BI PASS
U09	G	5' - 0"	6' - 8"	1 1/2"	-	WOOD	F1/A7.01	-	-		06	-BIFOLD
U10	H	2' - 10"	6' - 8"	2"	-	WOOD	F9/A7.02	-	-		08	*MFR'S STD HW, W/ (2) WIRE PULLS
U11	J	3' - 0"	8' - 0"	2"	1	HM / INSUL	B3/A7.01	D3/A7.01	F3&F7/A7.01		02	LOW 'E' INSULATED GLASS
U12	C	3' - 4"	6' - 8"	2"	1	WOOD	B1/A7.01	D1/A7.01	F1/A7.01		06	PAIR OF DOORS - MIRRORED-

NOTES:

- ALL FIRE RATED DOORS AND FRAMES TO HAVE APPROVED CLOSERS AND LATCHING MECHANISMS.
- ALL DOORS SHALL BE PROVIDED WITH LEVER OPERATING HARDWARE IN ACCORDANCE WITH FAIR HOUSING ACCESSIBILITY GUIDELINES & IBC 2006 CHAPTER II, PART B
- THE AVERAGE TEMPERATURE RISE DEVELOPED ON THE UNEXPOSED SIDE SHALL NOT EXCEED 450°F (232°C) AT THE END OF 30 MINUTES OF STANDARD FIRE TEST EXPOSURE.
- REFER TO SPECIFICATIONS FOR DESCRIPTION OF HARDWARE SETS.
- DOOR CLOSER REQUIRED.
- THRESHOLDS AT EXTERIOR DOORS ARE NO HIGHER THAN 1/2"
- VERIFY ROUGH OPENING REQUIRED WITH DOOR FRAME MANUFACTURER.
- PROVIDE COMPLETE WEATHER STRIPING AT ALL EXTERIOR DOORS.
- PROVIDE WIDE ANGLE PEEP HOLE
- TEMPERED GLASS
- 12" KICK PLATE CHROME
- NOT TO EXCEED 450°F IN 30 MIN.
- PROVIDE CRASH CHAIN
- FIBERGLASS INSULATED DOOR (OPTIONAL)

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

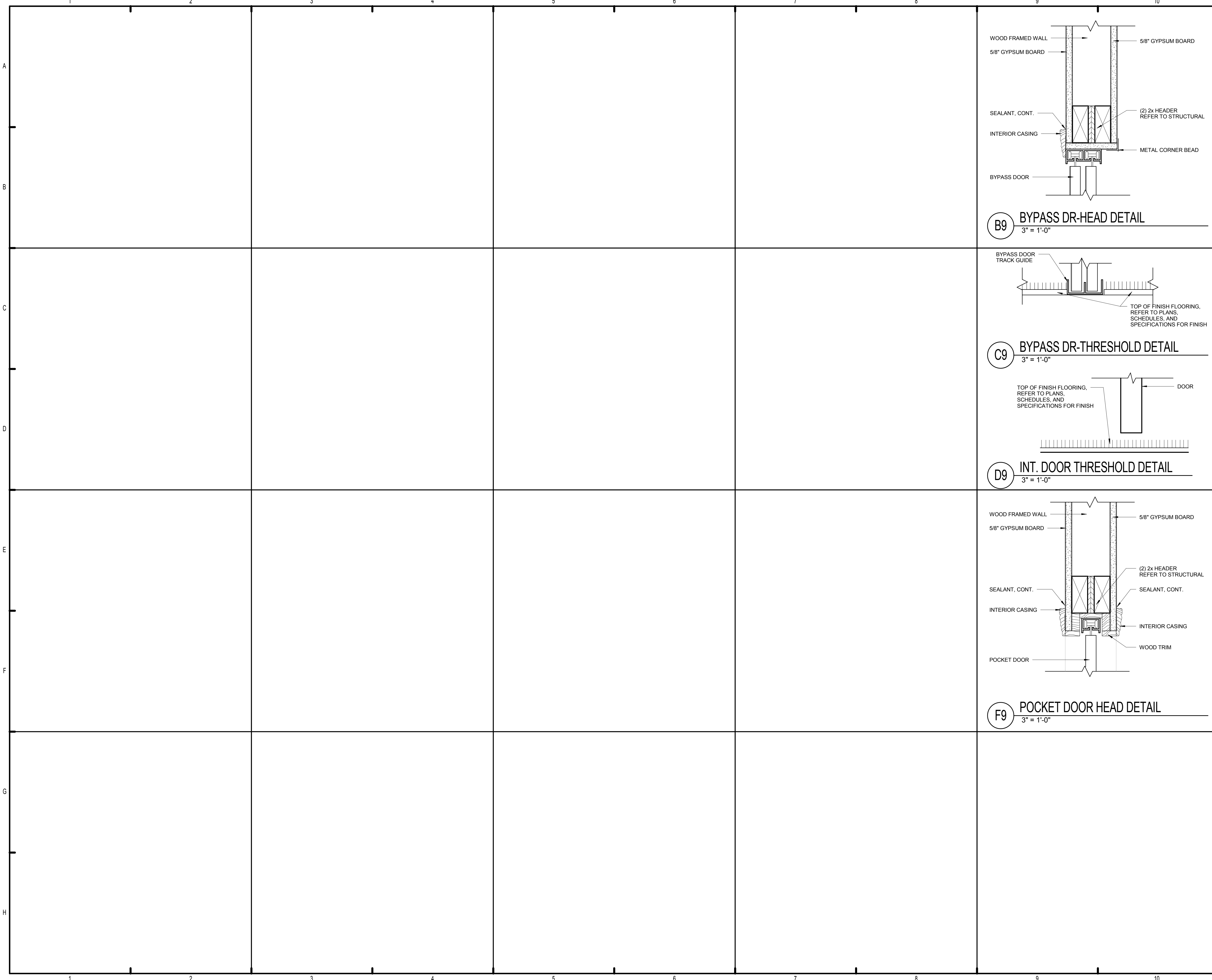
REVISION HISTORY

No.	Date	Description

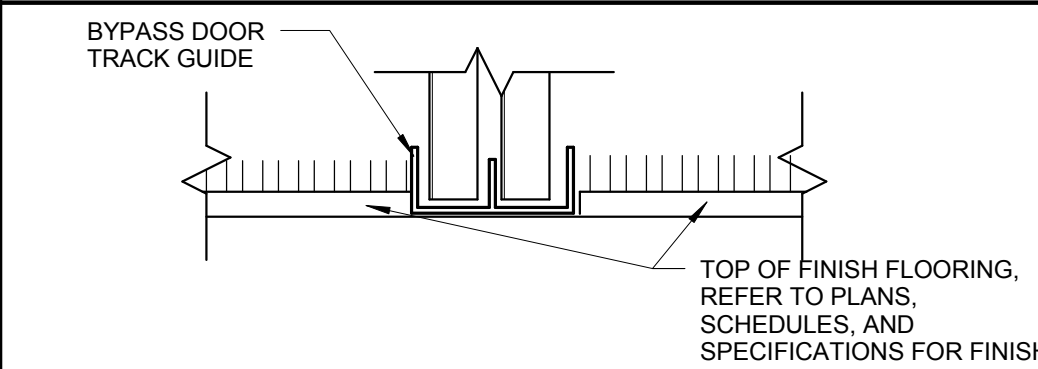
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 CHATTANOOGA, TN
DOOR SCHEDULE & DETAILS
A7.01

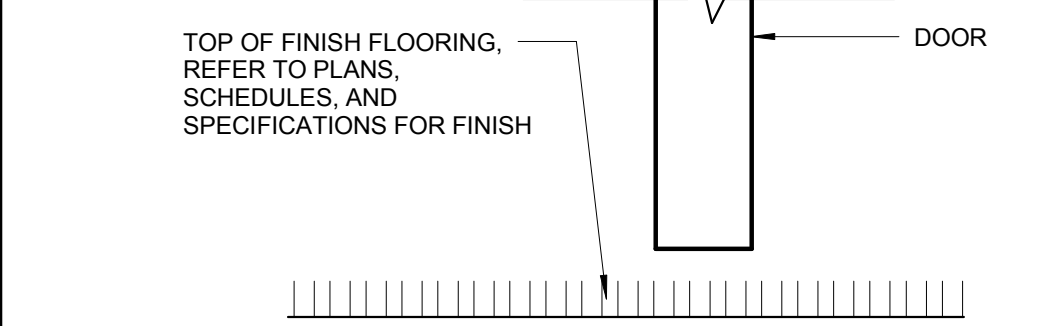
PATRICK D. FITCH
 LICENSE # 103195



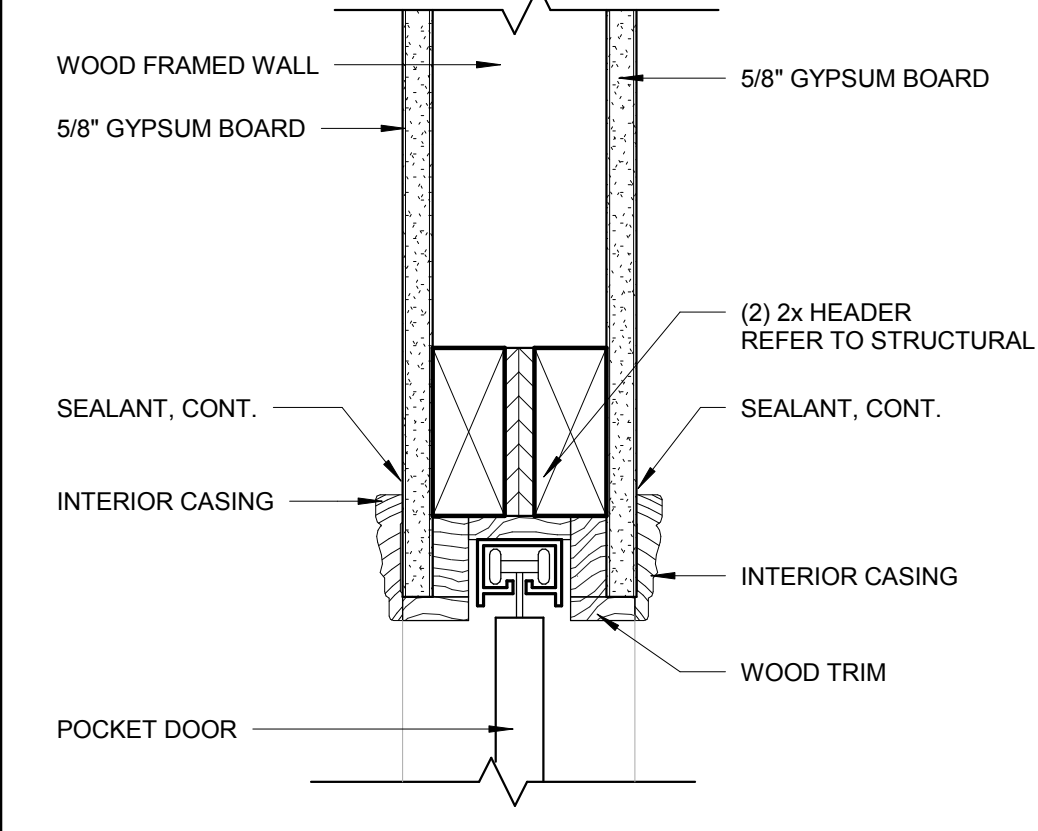
B9 BYPASS DR-HEAD DETAIL
3" = 1'-0"



C9 BYPASS DR-THRESHOLD DETAIL
3" = 1'-0"



D9 INT. DOOR THRESHOLD DETAIL
3" = 1'-0"



F9 POCKET DOOR HEAD DETAIL
3" = 1'-0"

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

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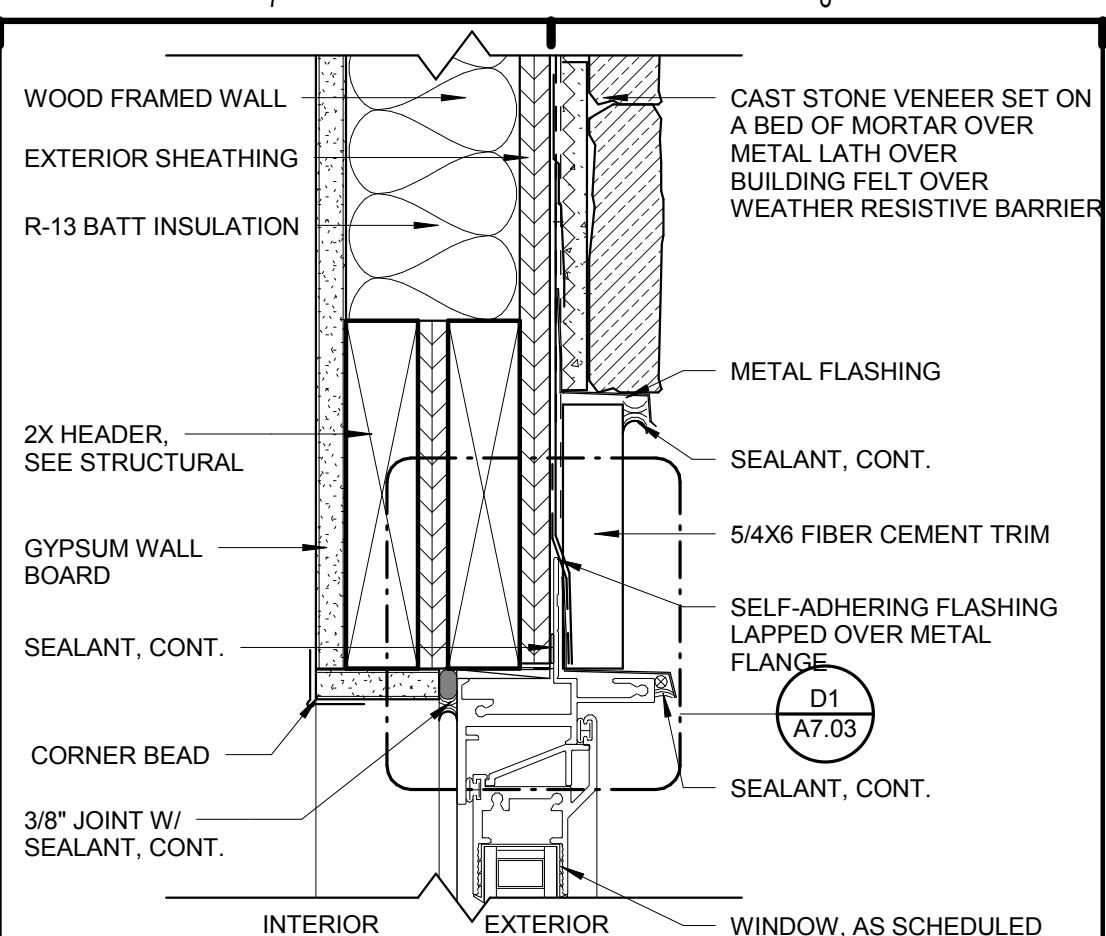
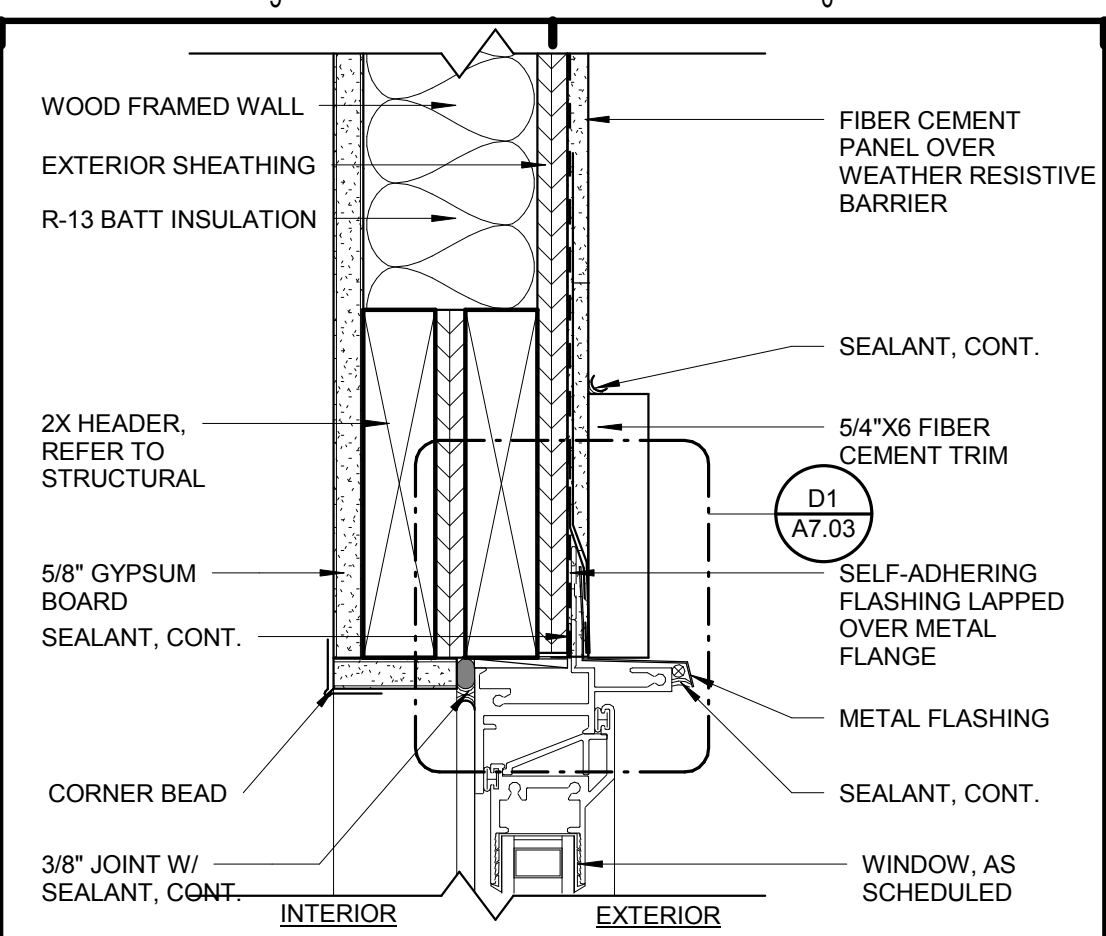
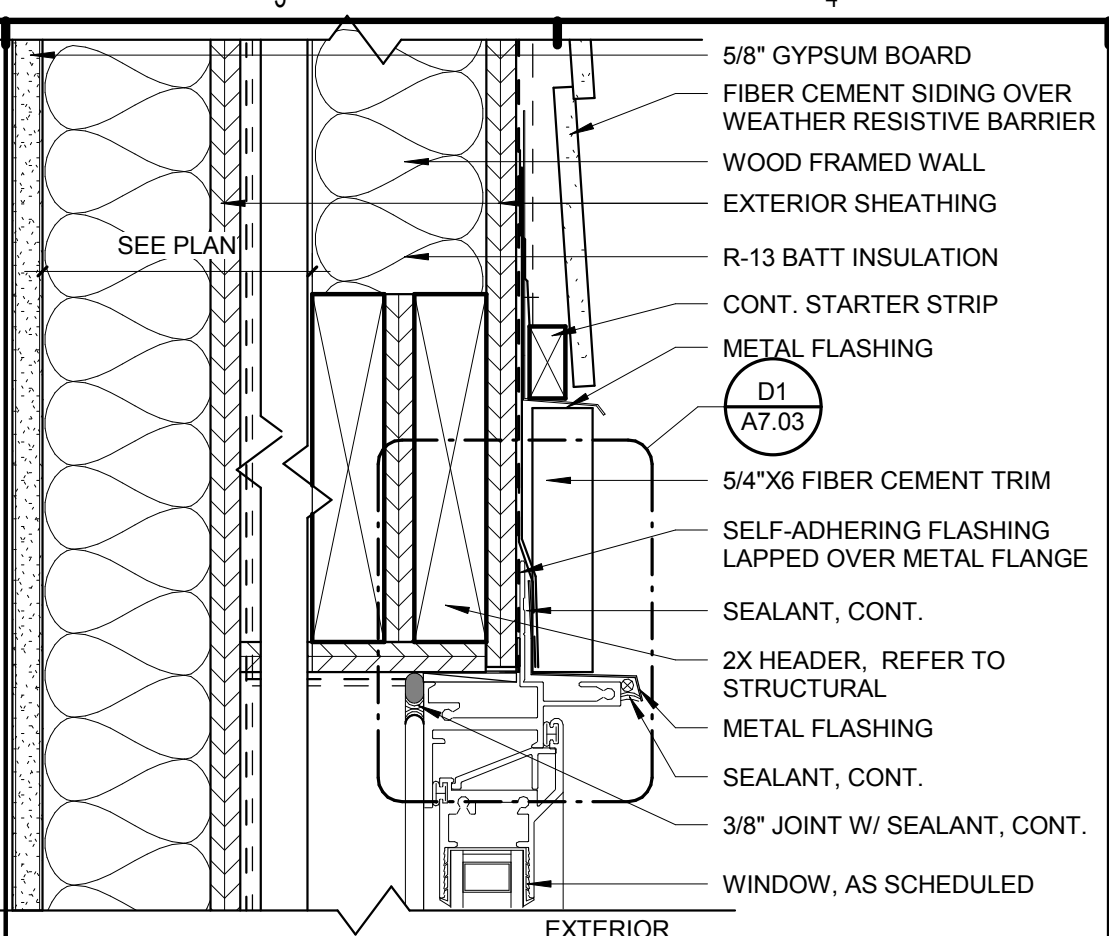
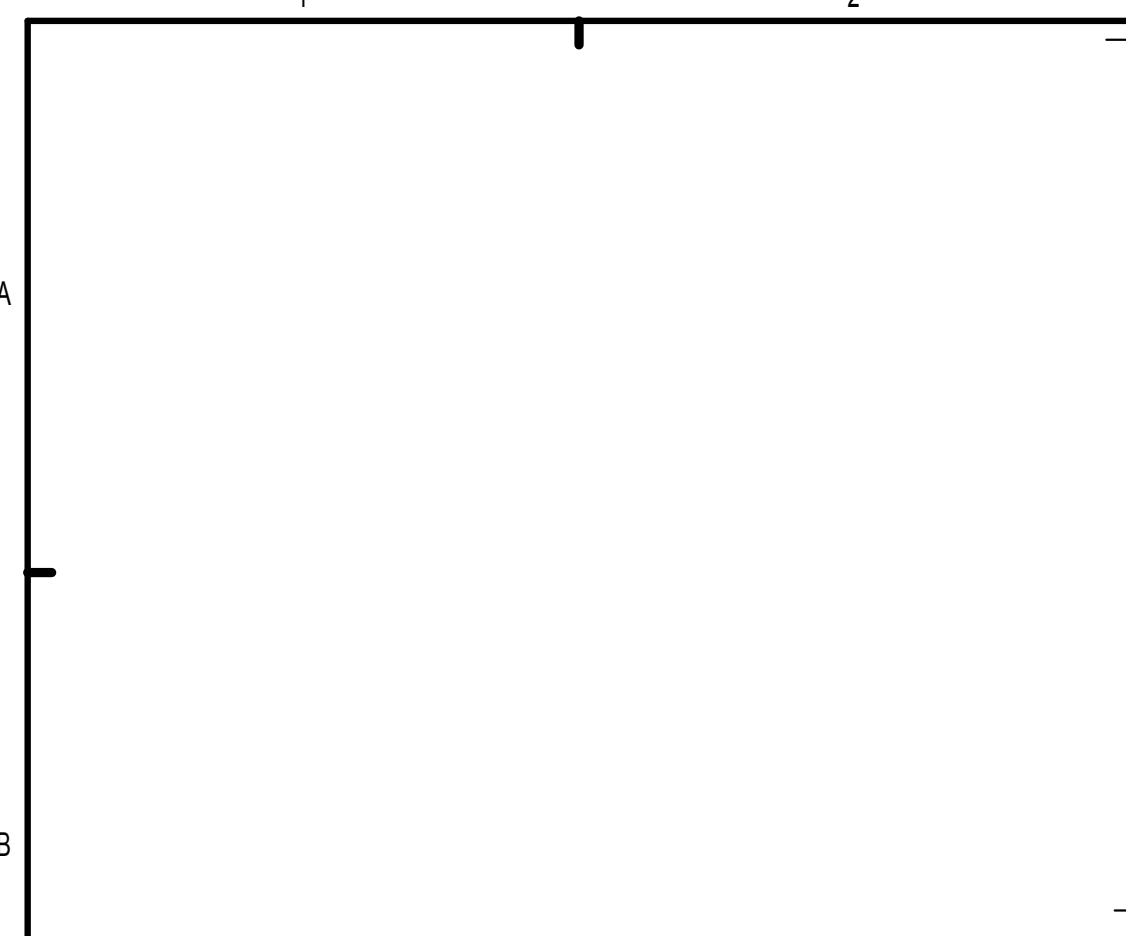
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

Drawn:	FZ
Checked:	PF
Approval:	PF
Date:	04/29/2013
Project #:	5166.400

DOOR DETAILS

A7.02

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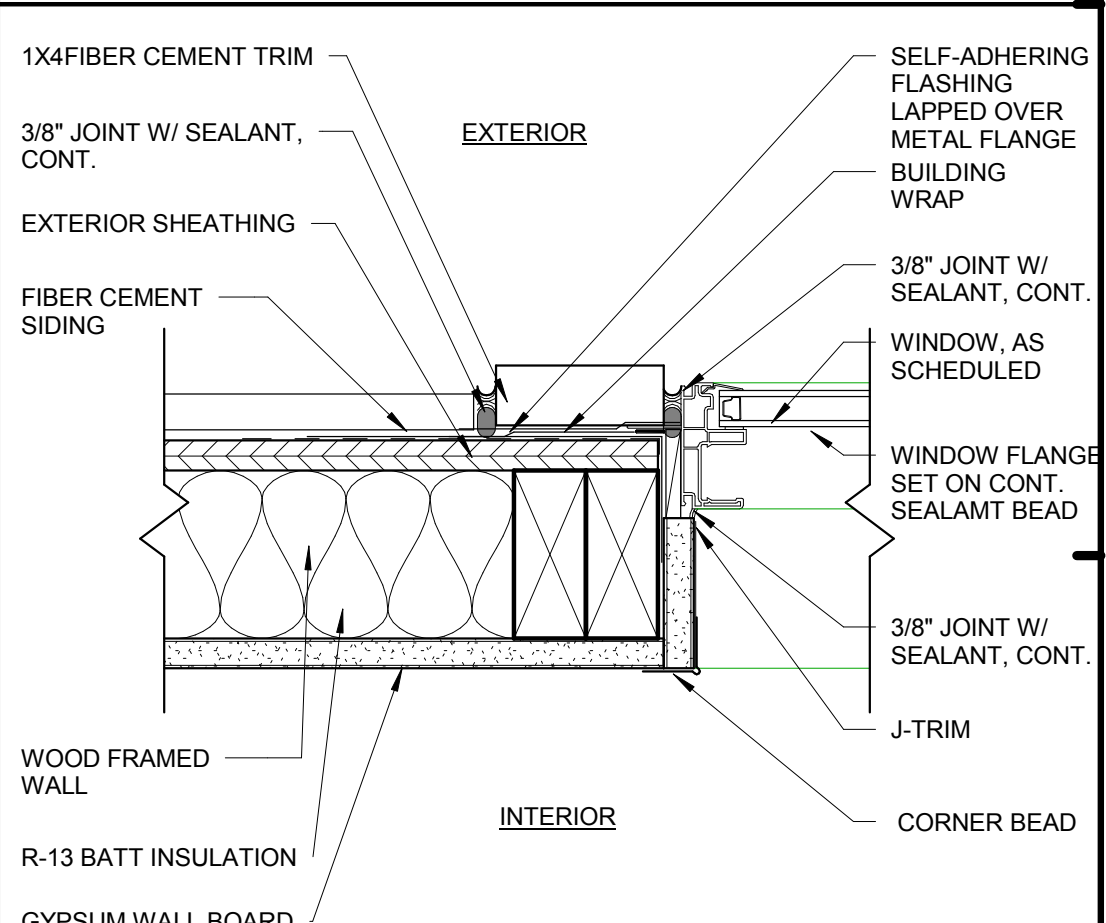
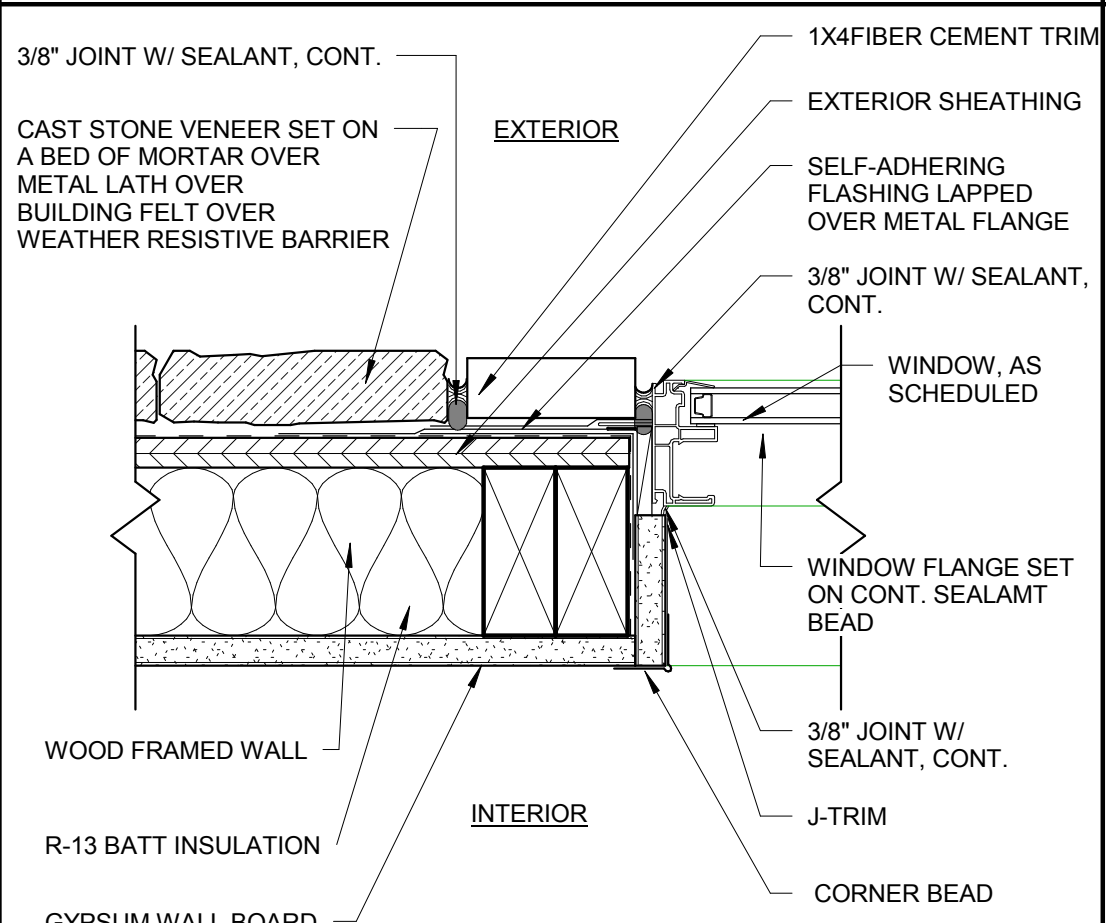
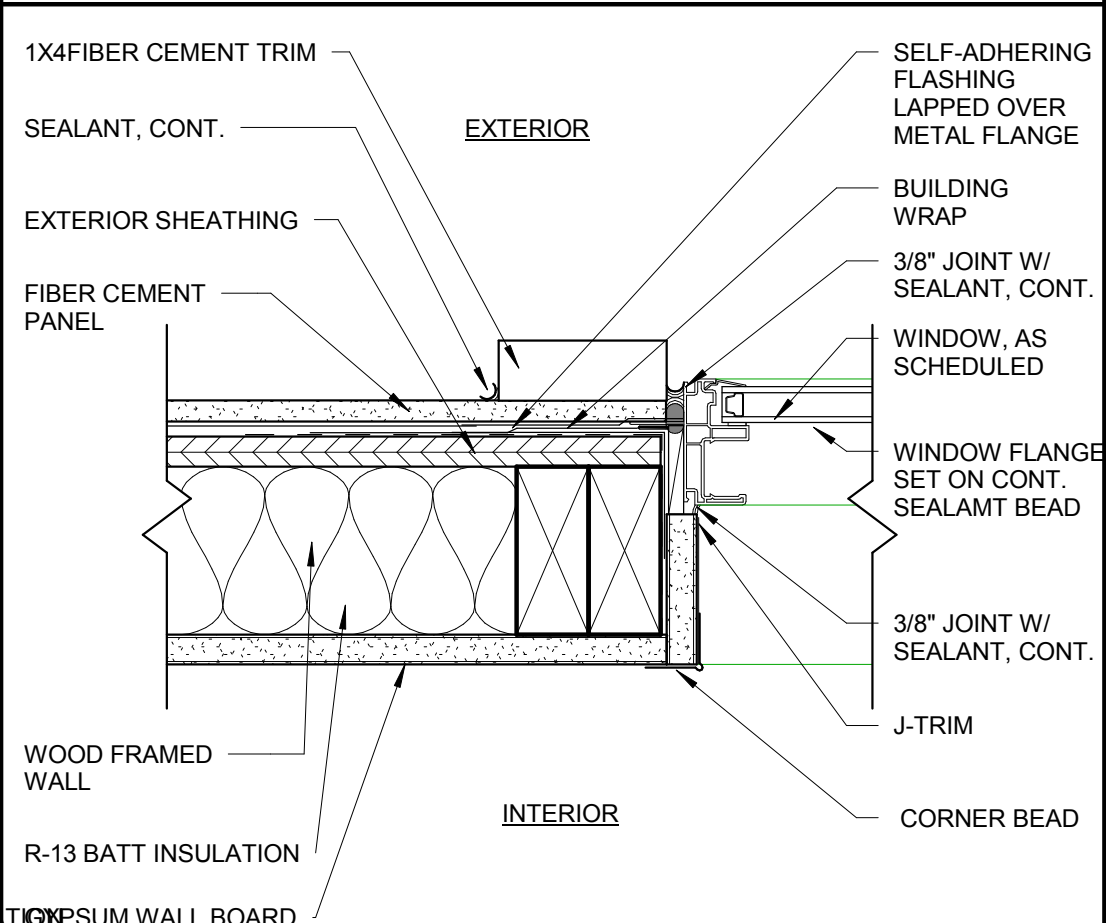
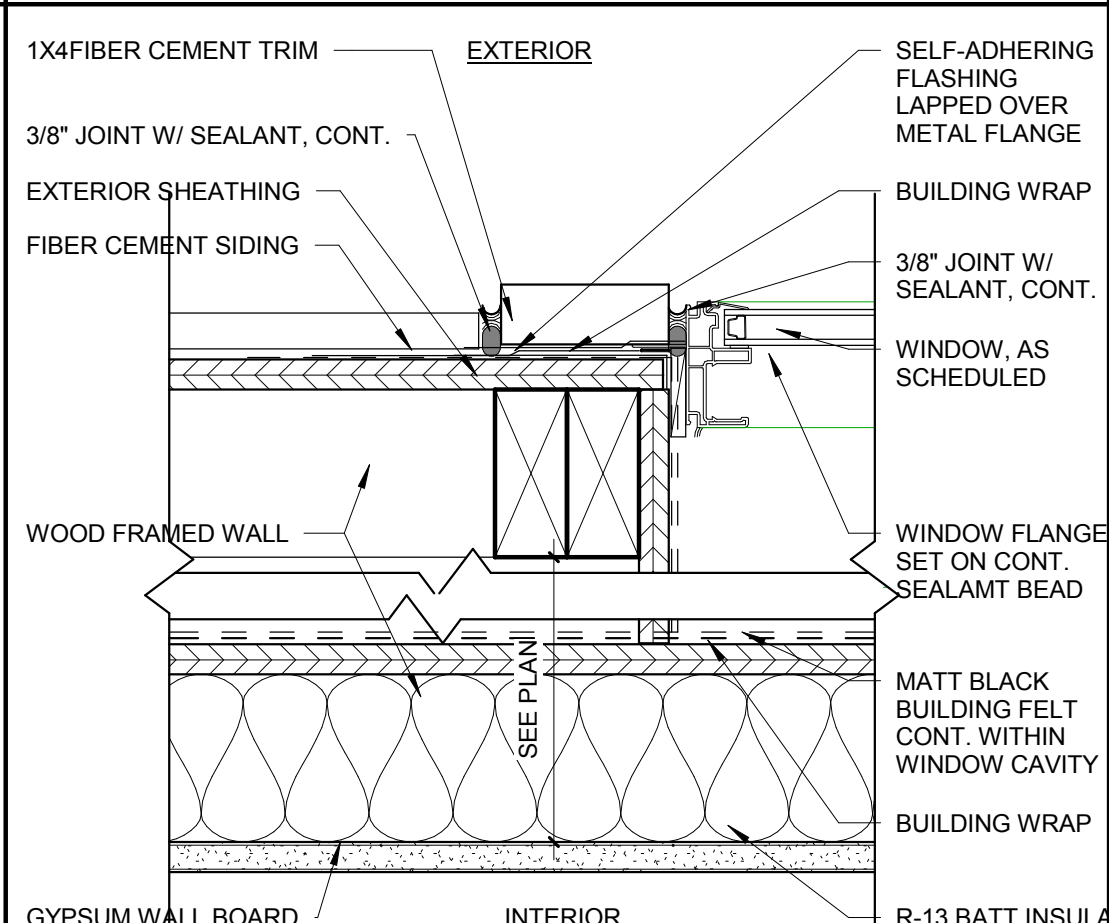
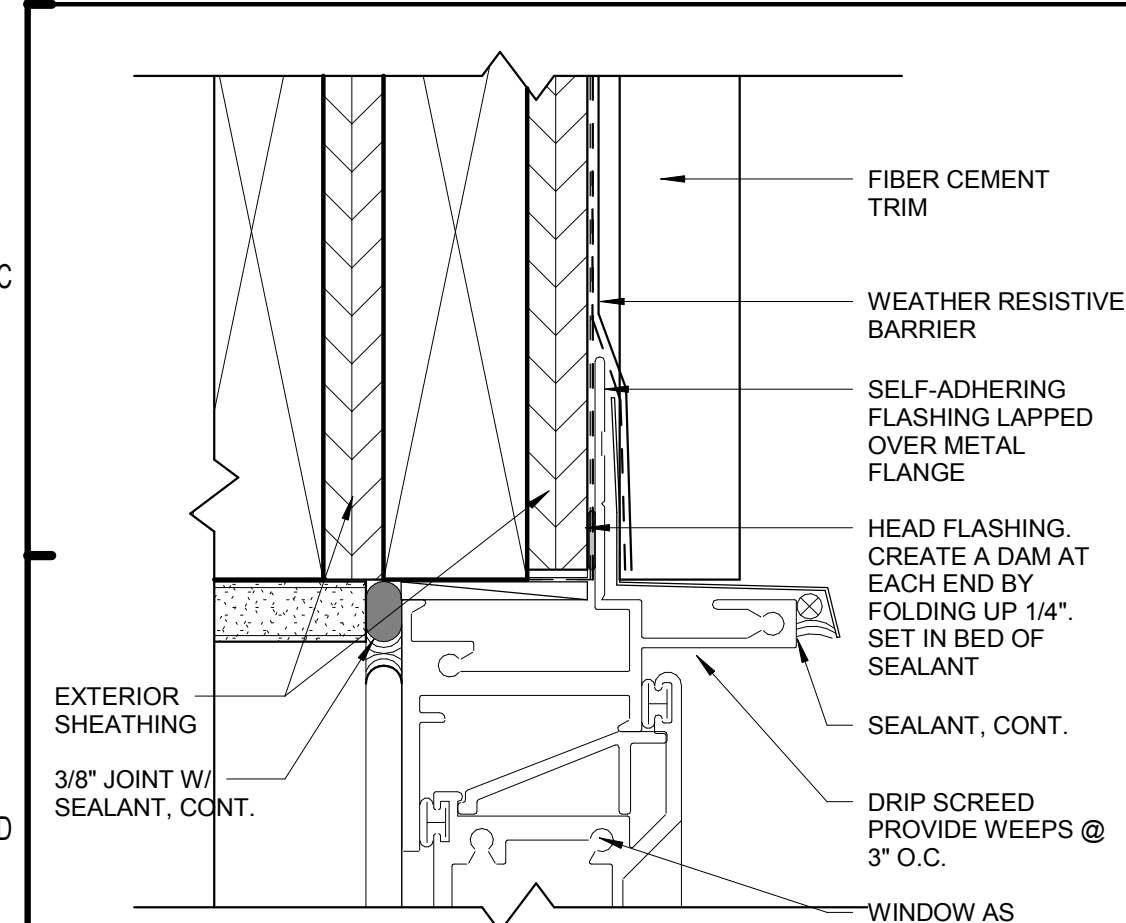


B3 WINDOW HEAD DETAIL - PLANT-ON WDW
3" = 1'-0"

B5 WINDOW HEAD DETAIL AT FC PANEL
3" = 1'-0"

B7 WINDOW HEAD DETAIL AT STONE
3" = 1'-0"

B9 WINDOW HEAD DETAIL AT SIDING
3" = 1'-0"



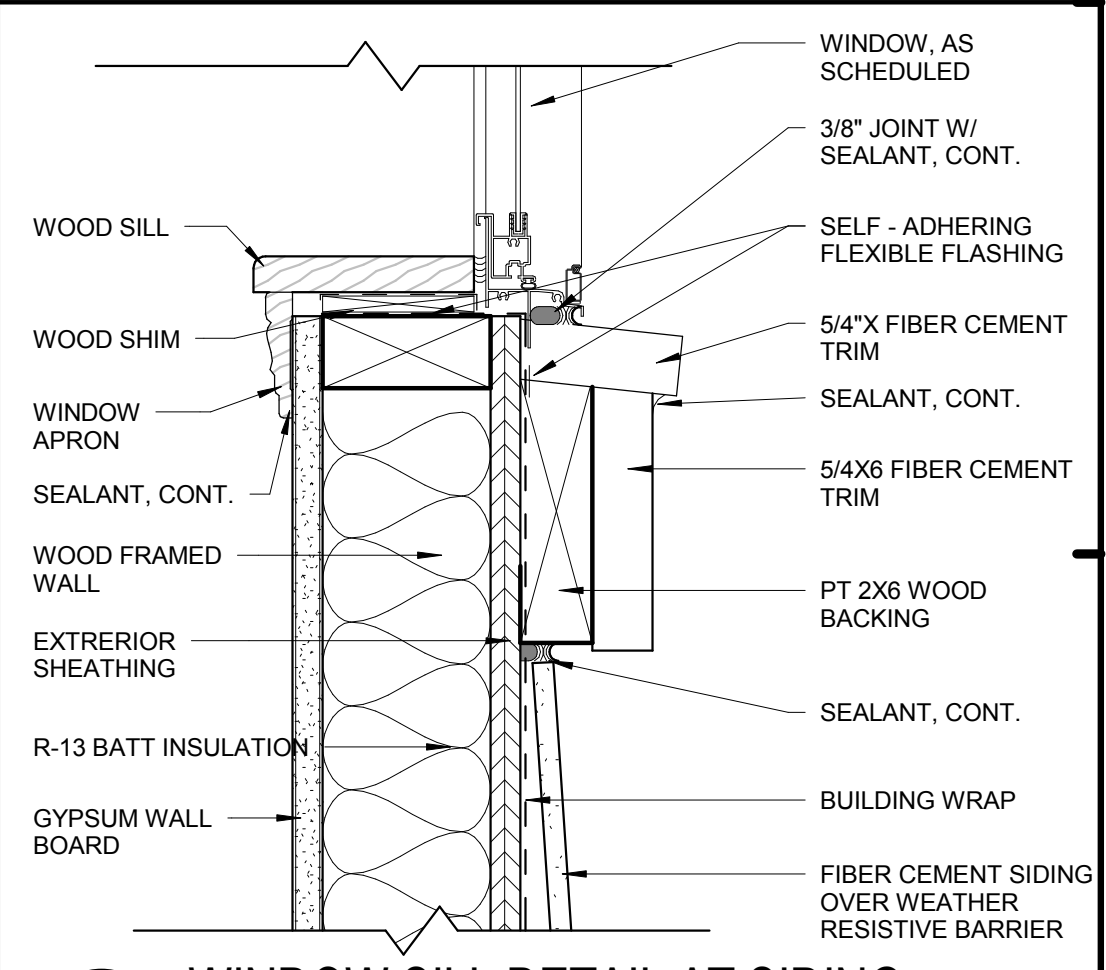
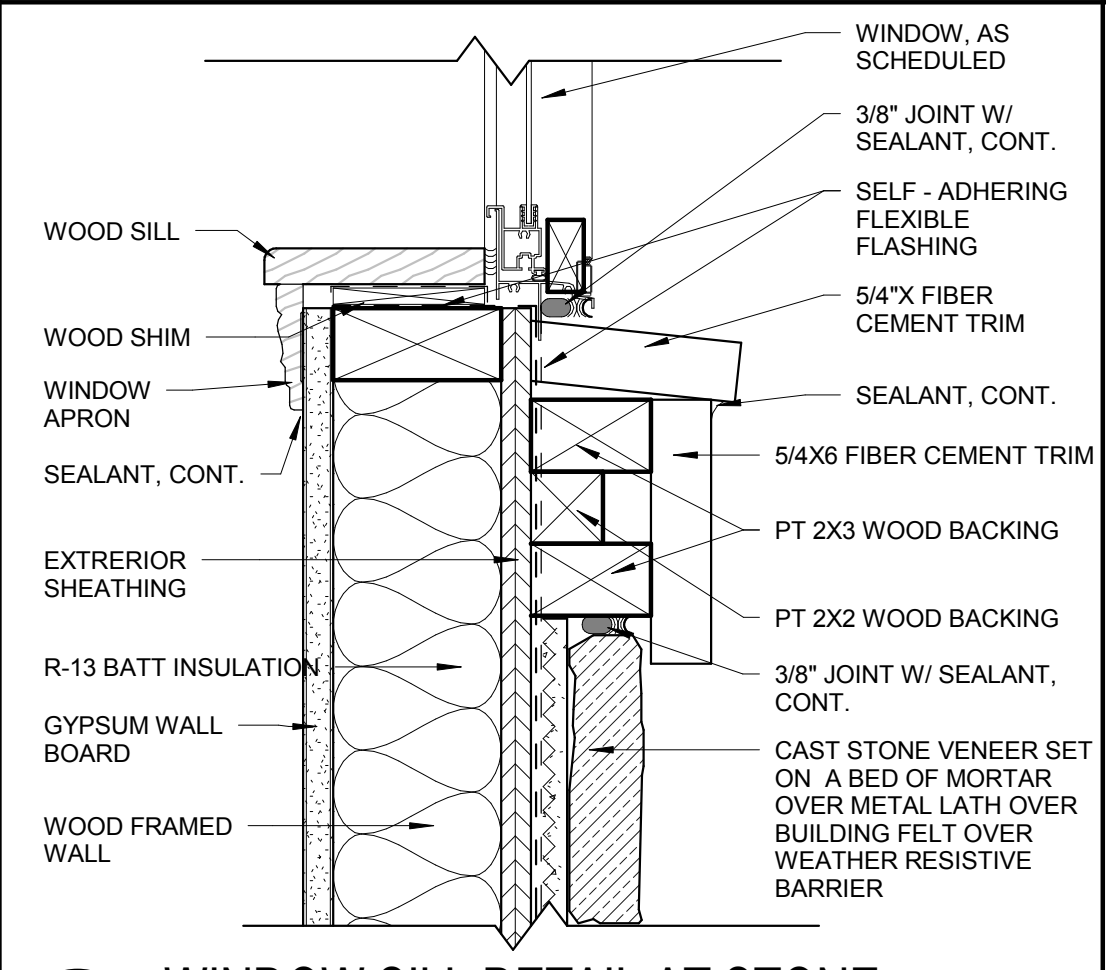
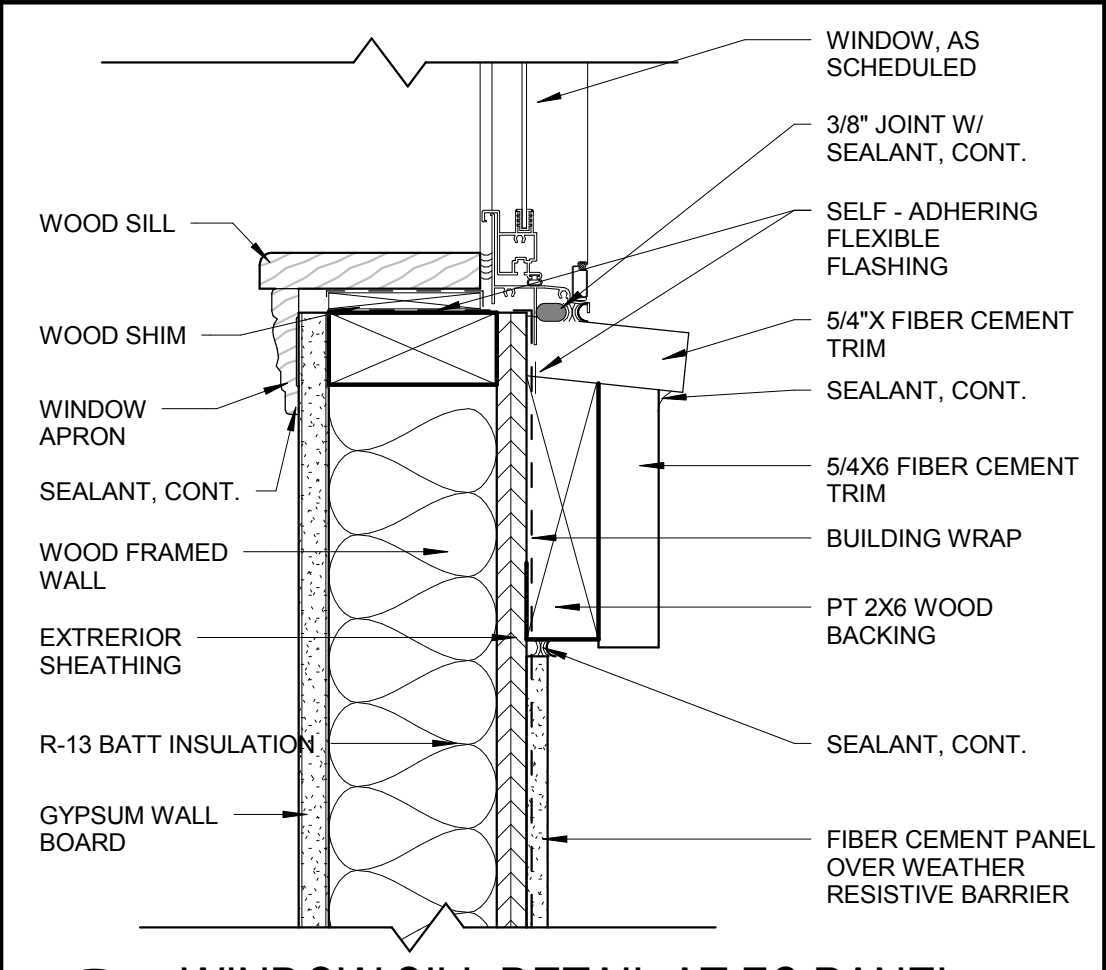
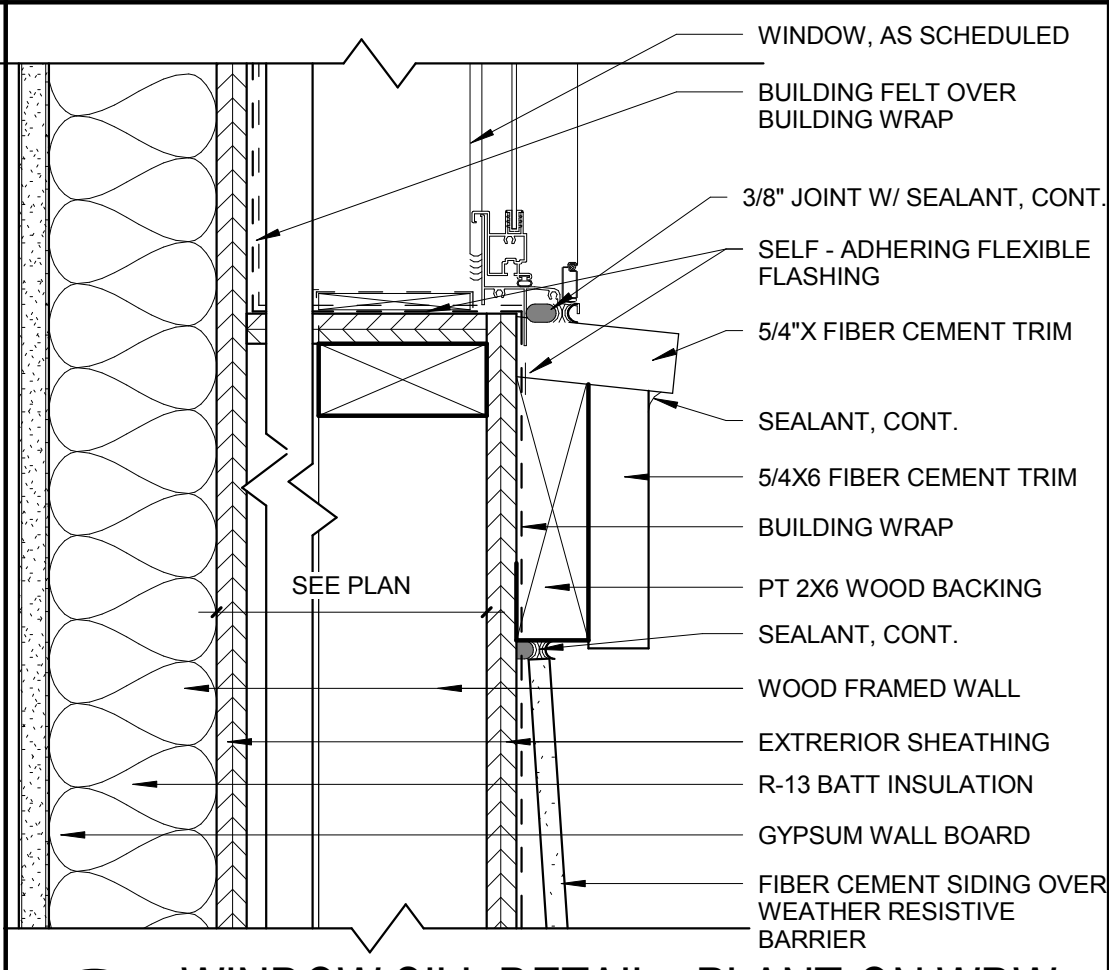
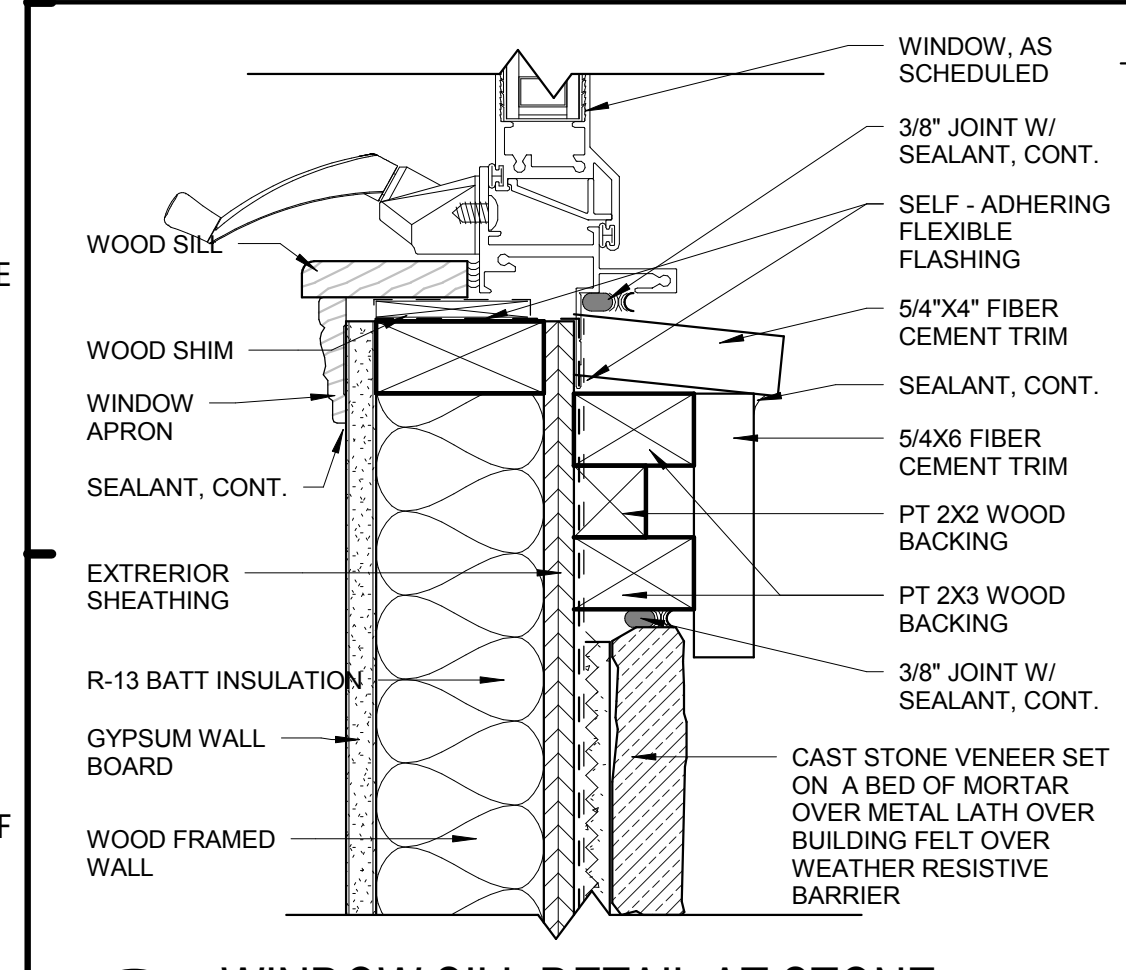
D1 WINDOW SEALANT DETAIL
6" = 1'-0"

D3 WINDOW JAMB DETAIL - PLANT-ON WDW
3" = 1'-0"

D5 WINDOW JAMB DETAIL AT FC PANEL
3" = 1'-0"

D7 WINDOW JAMB DETAIL AT STONE
3" = 1'-0"

D9 WINDOW JAMB DETAIL AT SIDING
3" = 1'-0"



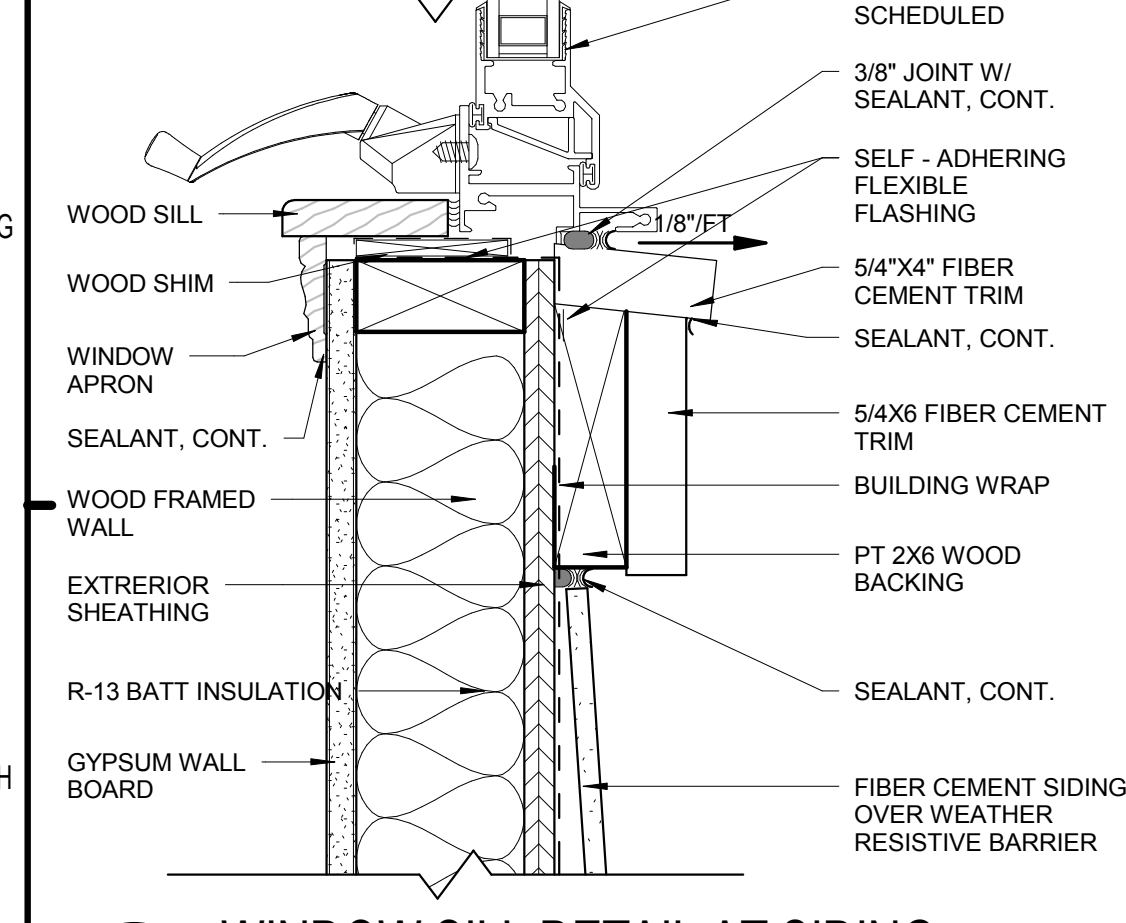
F1 WINDOW SILL DETAIL AT STONE
3" = 1'-0"

F3 WINDOW SILL DETAIL - PLANT-ON WDW
3" = 1'-0"

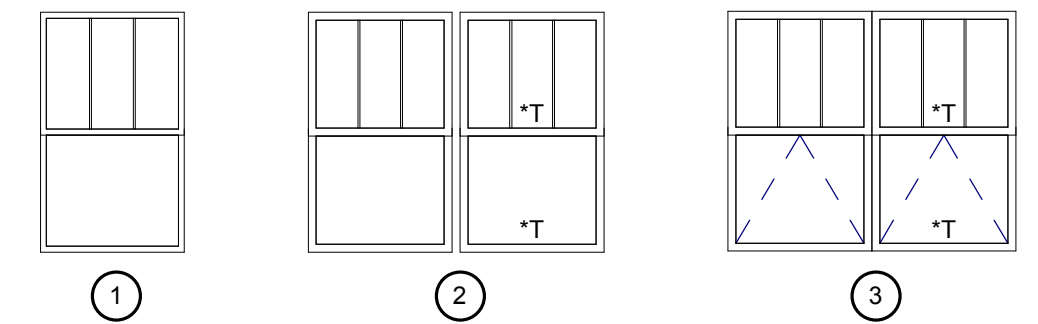
F5 WINDOW SILL DETAIL AT FC PANEL
3" = 1'-0"

F7 WINDOW SILL DETAIL AT STONE
3" = 1'-0"

F9 WINDOW SILL DETAIL AT SIDING
3" = 1'-0"



MARK	TYPE	WINDOW UNIT					GLAZING					FRAME			REMARKS
		WIDTH	HEIGHT	HEAD HEIGHT	OPERATION	TYPE	THICKNESS	U VALUE	SHGC	MATERIAL	HEAD	JAMB	SILL		
A	2	(2)	3' - 0"	5' - 0"	8' - 0"	SINGLE HUNG	LOW E	3/4" INSUL.	0.34	0.28	VINYL	B9/A7.03	D9/A7.03	F9/A7.03	TEMPERED ADJ. DOOR JAMB
B	2	(2)	3' - 0"	5' - 0"	8' - 0"	SINGLE HUNG	LOW E	3/4" INSUL.	0.34	0.28	VINYL	B9/A7.03	D9/A7.03	F9/A7.03	TEMPERED ADJ. DOOR JAMB
C	2	(2)	3' - 0"	5' - 0"	8' - 0"	SINGLE HUNG	LOW E	3/4" INSUL.	0.34	0.28	VINYL	B7/A7.03	D7/A7.03	F7/A7.03	
D	2	(2)	3' - 0"	5' - 0"	8' - 0"	SINGLE HUNG	LOW E	3/4" INSUL.	0.34	0.28	VINYL	B5/A7.03	D5/A7.03	F5/A7.03	
E	1		3' - 0"	5' - 0"	8' - 0"	SINGLE HUNG	LOW E	3/4" INSUL.	0.34	0.28	VINYL	B9/A7.03	D9/A7.03	F9/A7.03	
F	1		3' - 0"	5' - 0"	8' - 0"	SINGLE HUNG	LOW E	-	-	-	VINYL	B3/A7.03	D3/A7.03	F3/A7.03	PLANT-ON WINDOW - PROVIDE REMOVABLE SASH STOPS @ EXTERIOR FOR MAINTANENCE
G	3	(2)	3' - 0"	5' - 0"	8' - 0"	AWNING	LOW E	3/4" INSUL.	0.34	0.28	VINYL	B7/B9/A7.03	D7/D9/A7.03	F1/H1/A7.03	
H	3	(2)	3' - 0"	5' - 0"	8' - 0"	AWNING	LOW E	3/4" INSUL.	0.34	0.28	VINYL	B9/A7.03	D9/A7.03	H1/A7.03	TEMPERED ADJ. DOOR JAMB



* PROVIDE TEMPERED GLASS, LOW-E INSULATED UNITS IN UPPER AND LOWER SASH ADJACENT TO DOOR JAMB.

- NOTES:**
- PROVIDE SCREENS FOR ALL WINDOWS
 - WINDOW AND DOOR ASSEMBLIES SHALL BE ANCHORED THROUGH THE JAMB. ANCHORS SHALL BE SECURELY FASTENED INTO THE STRUCTURAL MATERIAL.
 - WINDOW & DOOR MANUFACTURER SHALL SUBMIT SHOP DRAWINGS INCLUDING APPROVAL SUBSTANTIATING ABILITY TO RESIST WIND LOADS AS PRESCRIBED BY CODE

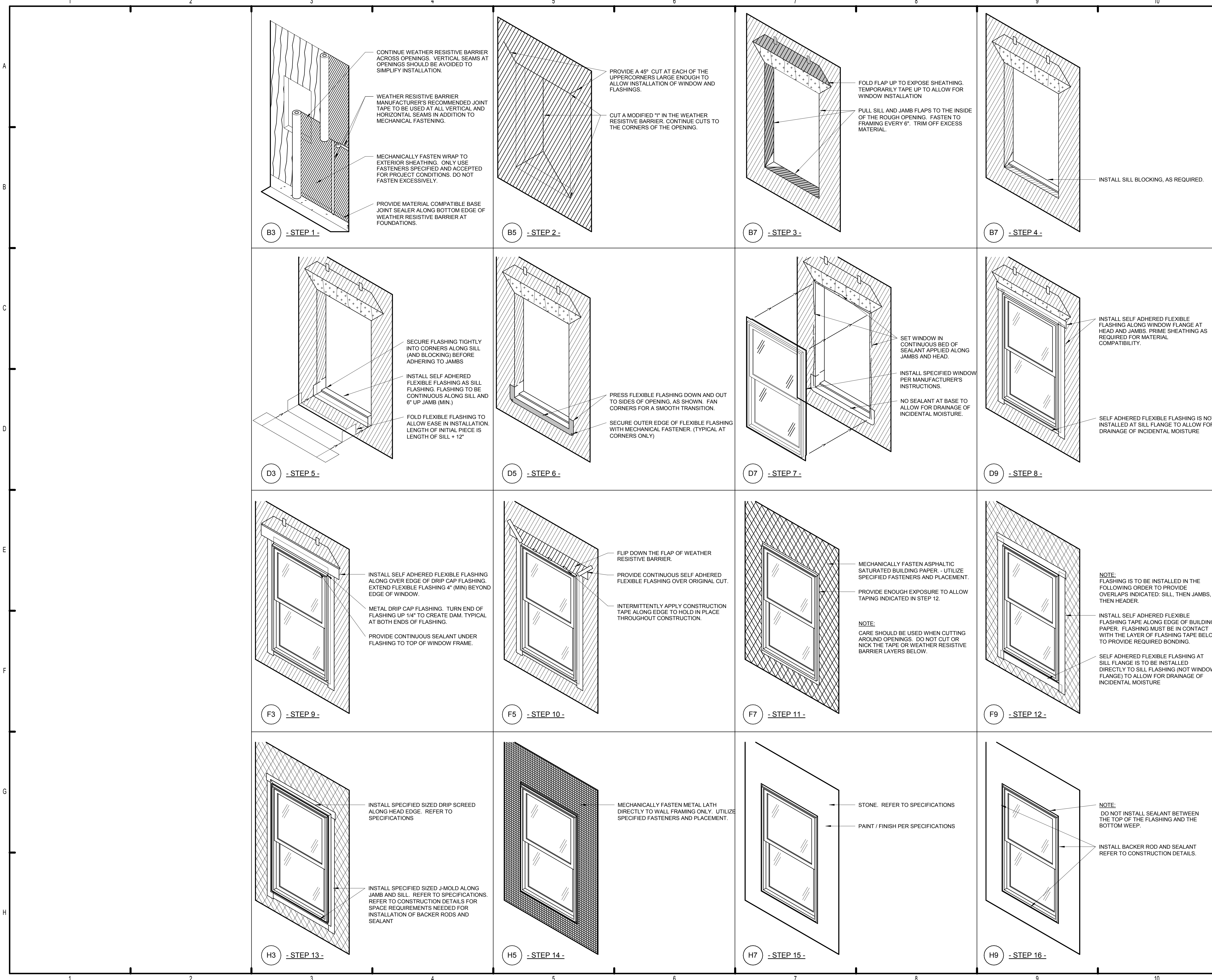
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
WINDOW SCHEDULE & DETAILS
A7.03

PATRICK D. FITCH
LICENSE # 103195



GENERAL NOTES:

"THE INSTALLATION REQUIREMENTS SHOWN ON THIS SHEET ARE IN ADDITION TO THOSE REQUIRED BY THE MANUFACTURER OF THE WEATHER RESISTIVE BARRIER SYSTEM. INSTALL WRAP PER MANUFACTURER'S INSTRUCTIONS FOR WARRANTY APPROVAL OF INSTALLED MATERIALS AS A MINIMUM REQUIREMENT. CONSULT WITH ARCHITECT FOR ALL DISCREPANCIES AND CONFLICTS IN INSTALLATION PROCEDURES.

"VERIFY MATERIAL COMPATIBILITY FOR ALL COMPONENTS OF SYSTEMS.

"VERIFY MATERIAL STABILITY. VERIFY THAT COLOR, RESIDUE, OR CHEMICAL REACTION SHALL NOT STAIN OR TRANSFER TO OTHER NON-INTENDED SURROUNDING SURFACES.

"ALL HOLES, TEARS, AND DAMAGE IN A SYSTEM LAYER ARE TO BE REPAIRED PRIOR TO PROCEEDING TO NEXT STEP OF SYSTEM. ALL REPAIRS ARE TO BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE PRODUCT IN PLACE WARRANTY REQUIREMENTS.

"THIS SERIES OF STEPS IS THE PROCESS FOR A STUCCO FINISH. WEATHER RESISTIVE BARRIER, BUILDING PAPER, FLASHING AND WINDOWS ARE TO BE INSTALLED IN THE SAME MANNER FOR OTHER APPLIED FINISHES ON THE BUILDING (STEPS 1 THROUGH 12). DETAILS FOR OTHER APPLIED FINISHES ARE TO BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION.

PROVIDE MANUF. APPROVAL OF SPECIAL DETAILS IN SUBMITTAL PACKAGE.

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

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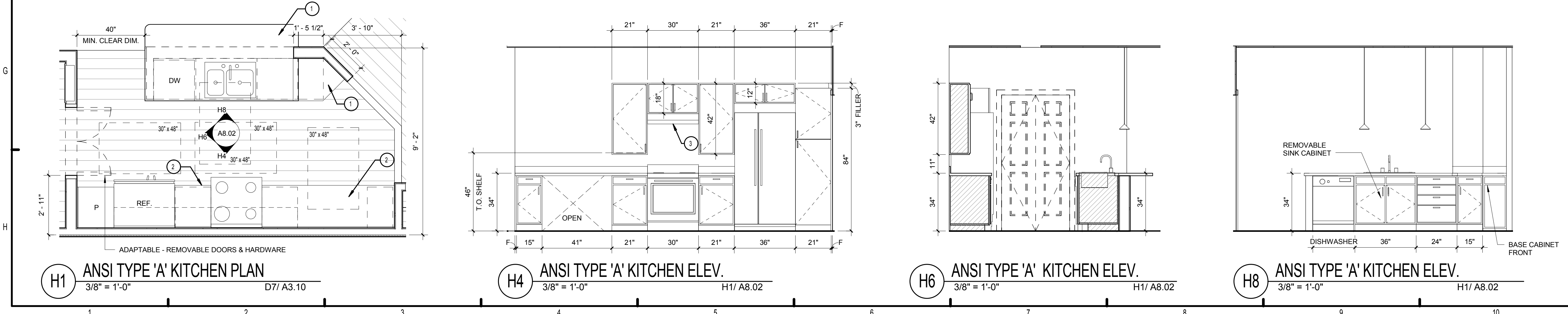
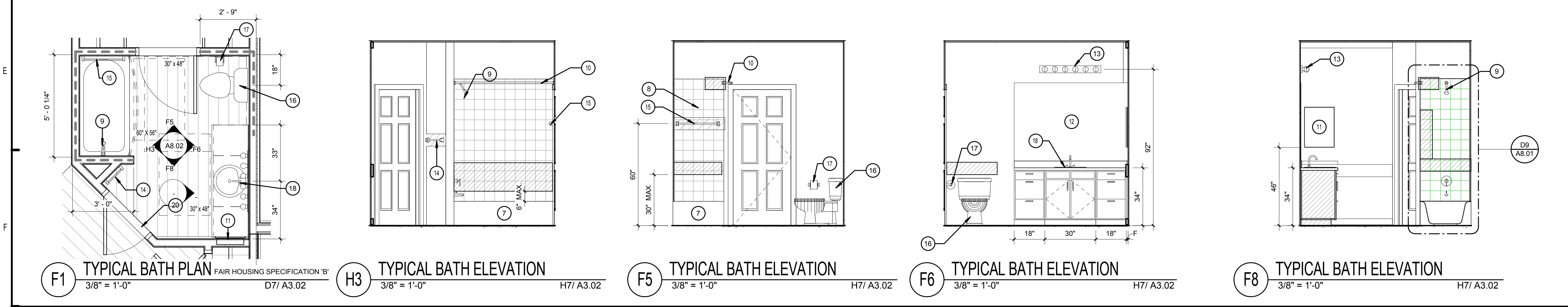
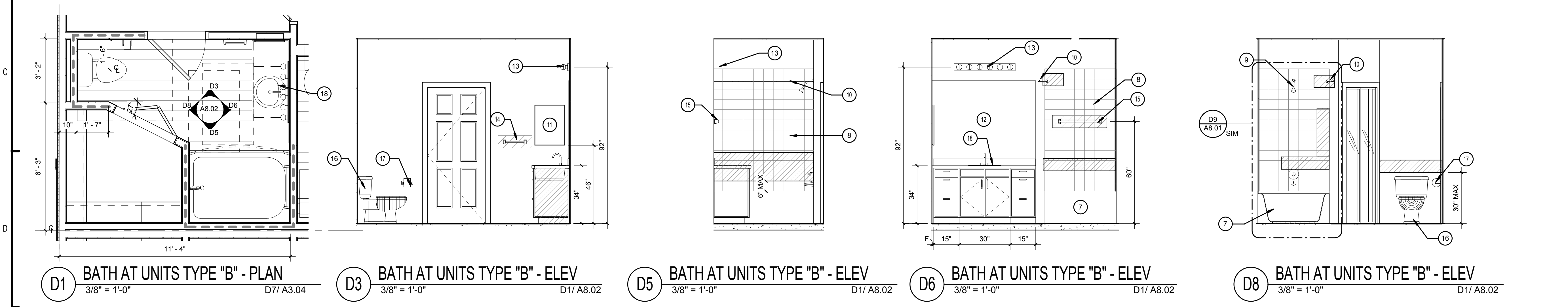
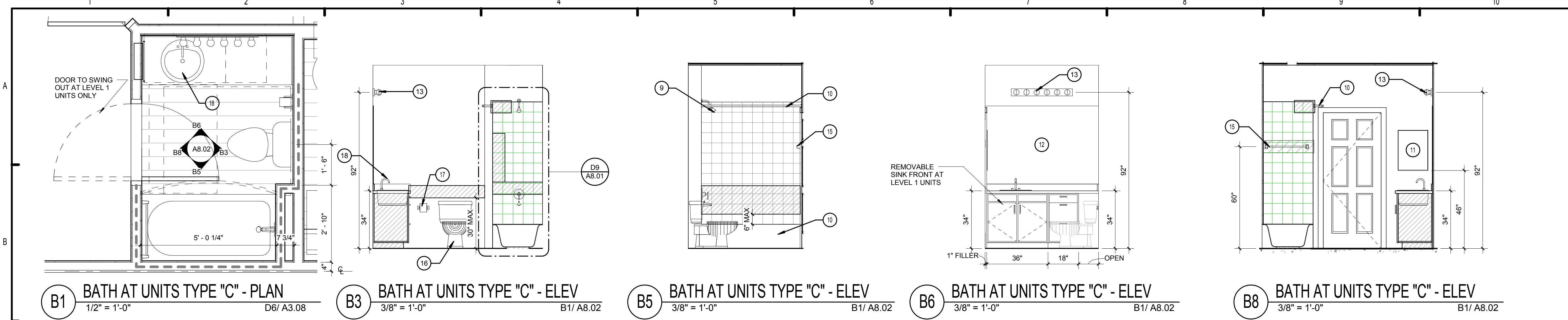
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BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Date: 04/29/2013
 Project #: 5166.400

WINDOW WATERPROOFING DETAILS
A7.04

PATRICK D. FITCH
 LICENSE # 103195



- LEGEND:**
1. STONE COUNTERTOP
 2. P.L. COUNTERTOP
 3. RANGE HOOD
 4. KITCHEN SINK
 5. MICROWAVE
 6. STONE DESK W/ GROMMET
 7. BATH TUB
 8. 12 x 12 CERAMIC TILE
 9. SHOWER HEAD @ STANDARD TUB, MOUNT 84" A.F.F.
 10. CURVED SHOWER CURTAIN ROD, MOUNT 84" A.F.F.
 11. RECESSED MEDICINE CABINET
 12. MIRROR
 13. LIGHT FIXTURE
 14. 12" TOWEL BAR
 15. 24" TOWEL BAR
 16. BATHROOM TOILET
 17. TOILET PAPER DISPENSER
 18. BATHROOM SINK
 19. SEAT-REMOVABLE (NOT IN CONTRACT)
- BLOCKING (PLAN). SEE DETAIL B9/A8.01
- BLOCKING (ELEVATION). SEE DETAIL B9/A8.01

- NOTES:**
- A. ALL FILLER DIMENSIONS ARE APPROXIMATE. FABRICATOR TO FIELD VERIFY PRIOR TO FABRICATION. REFER TO B9/A8.01 FOR BLOCKING & MOUNTING HEIGHTS
 - B. PROVIDE REMOVABLE SINK BASE CABINETS AT LEVEL 1 DWELLING UNITS
 - C. 34" COUNTERTOP HEIGHT MEASURED TO SINK RIM - MAXIMUM AT LEVEL 1 UNITS VANITIES AND DESIGNATED ANSI TYPE 'A' UNIT KITCHEN
 - D. MOUNT SHOWER CONTROL VALVE ASSEMBLY ACCORDING TO ICC/ANSI A117.1-2003, 607.5 IN ALL DWELLING UNITS LOCATED ON LEVEL 1
 - E. PROVIDE ADJUSTABLE FULL DEPTH SHELF IN ALL KITCHEN BASE CABINETS EXCEPT SINK BASES

ISSUE HISTORY		
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No.	Date	Description

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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

INTERIOR ELEVATIONS

Drawn: FZ
Checked: PF
Approval: PF
Date: 04/29/2013
Project #: 5166.400

A8.02

PATRICK D. FITCH
LICENSE # 103195

LEGEND:

1. STONE COUNTERTOP
 2. P.L. COUNTERTOP
 3. RANGE HOOD
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 5. MICROWAVE
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 18. BATHROOM SINK
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- BLOCKING (PLAN), SEE DETAIL B9/A8.01
- ▨ BLOCKING (ELEVATION), SEE DETAIL B9/A8.01

NOTES:

- A. ALL FILLER DIMENSIONS ARE APPROXIMATE. FABRICATOR TO FIELD VERIFY PRIOR TO FABRICATION.
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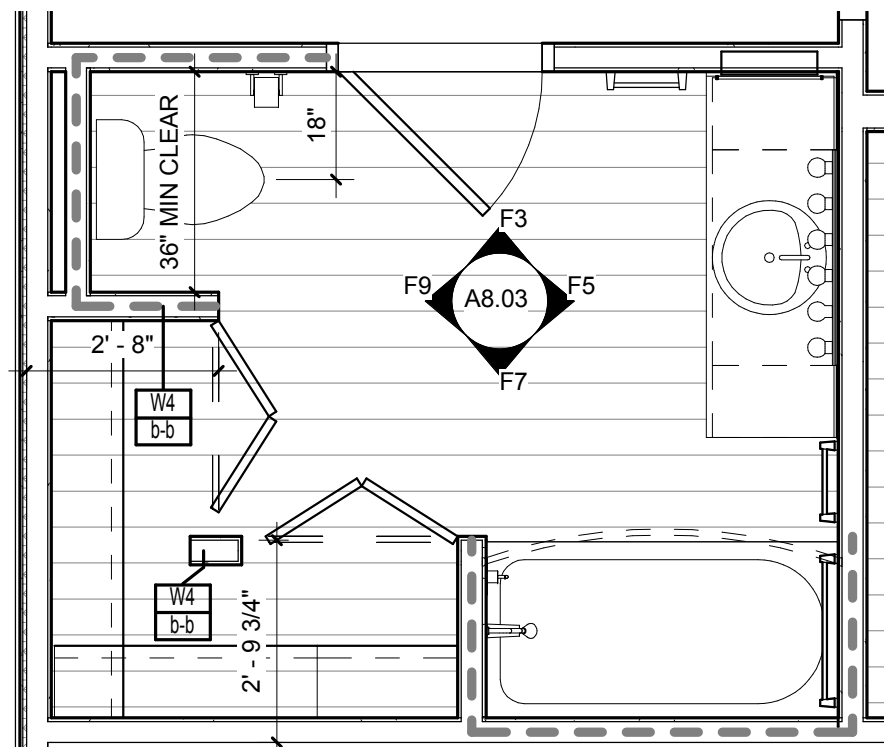


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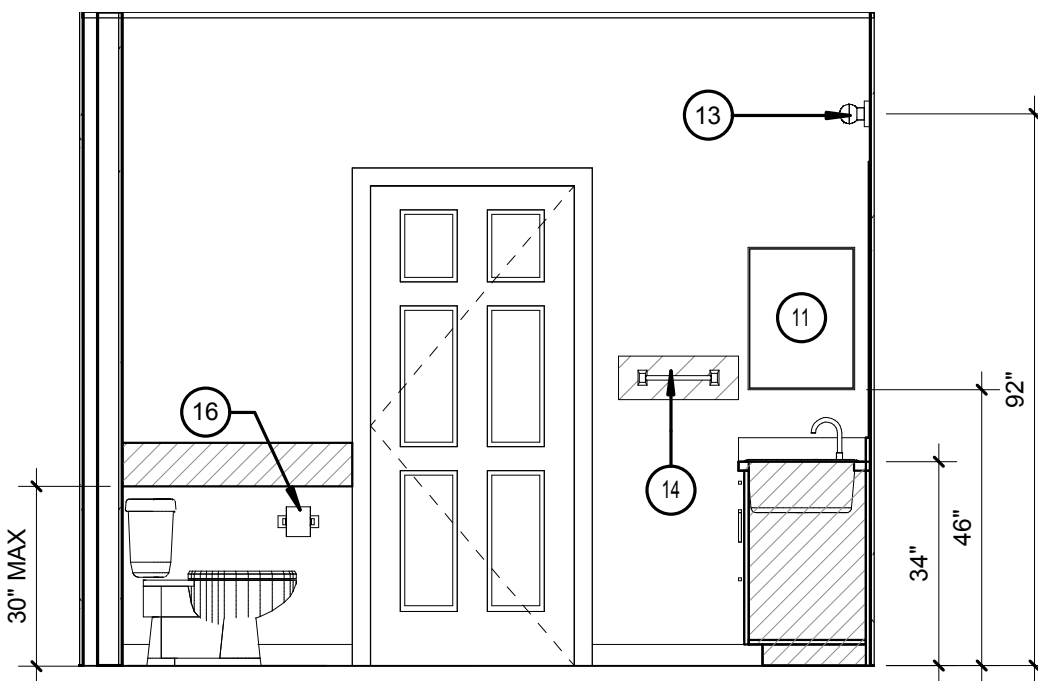
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

INTERIOR ELEVATIONS **A8.03**

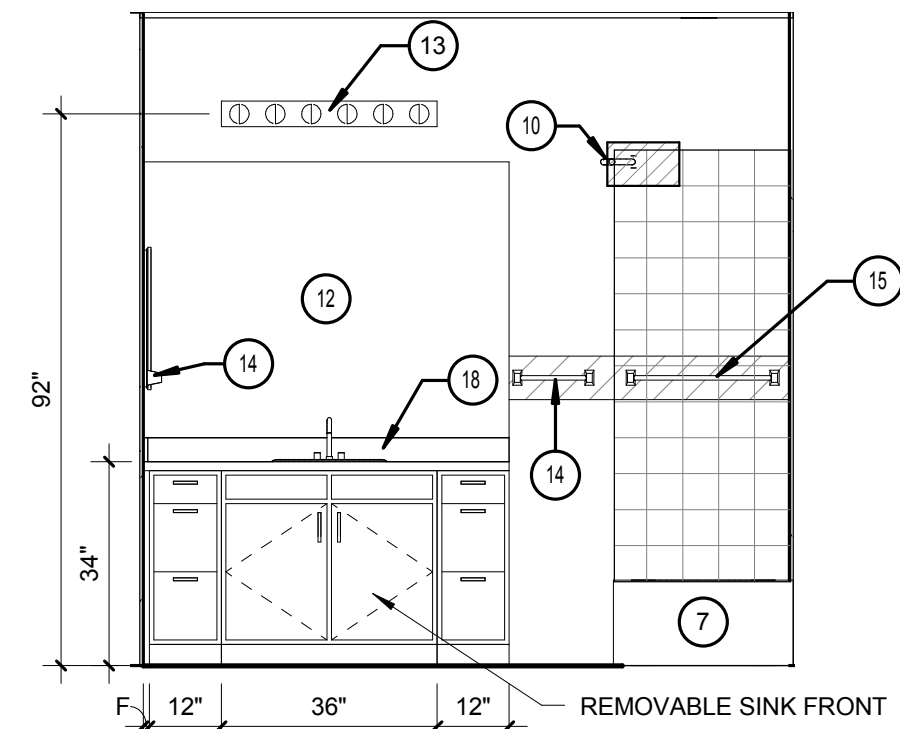
PATRICK D. FITCH
LICENSE # 103195



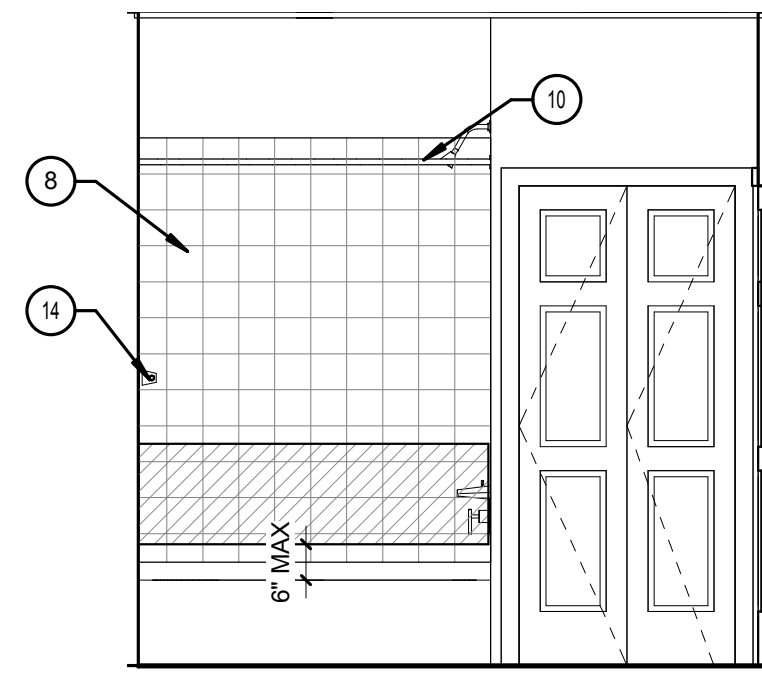
F1 ANSI ADAPTABLE BATH PLAN
3/8" = 1'-0" D7/A3.11



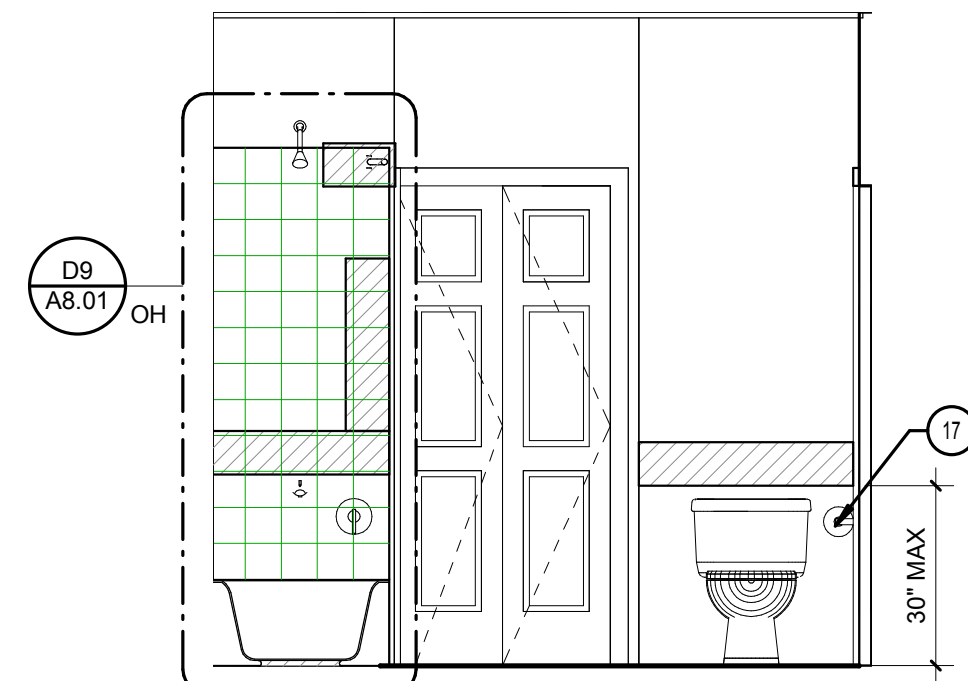
F3 ANSI ADAPTABLE BATH ELEV
3/8" = 1'-0" F1/A8.03



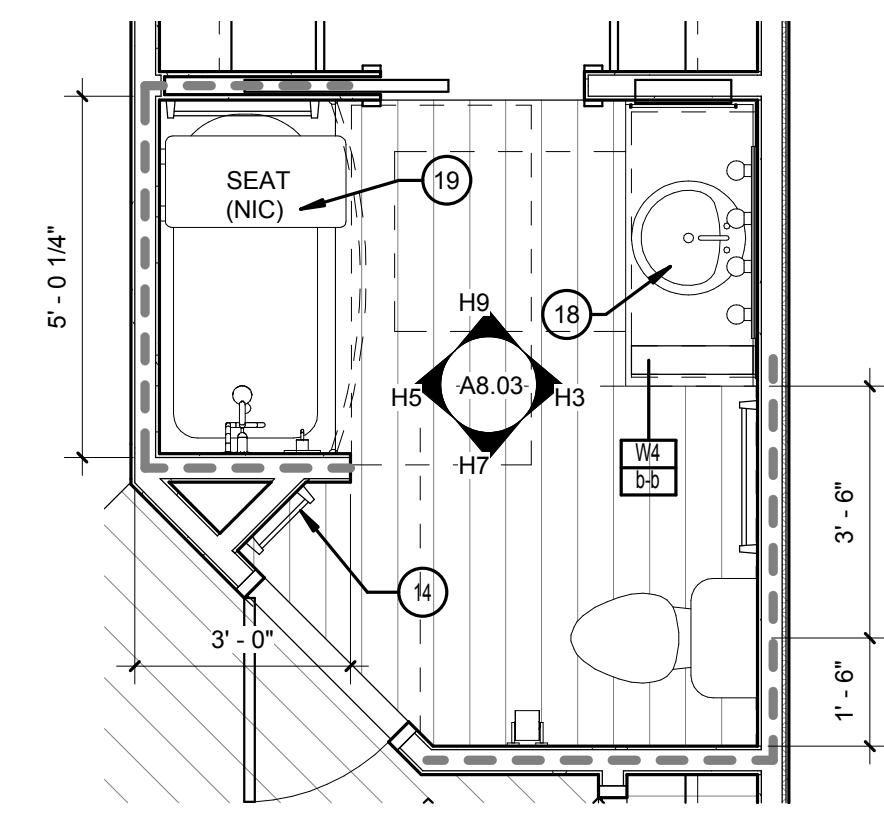
F5 ANSI ADAPTABLE BATH ELEV
3/8" = 1'-0" F1/A8.03



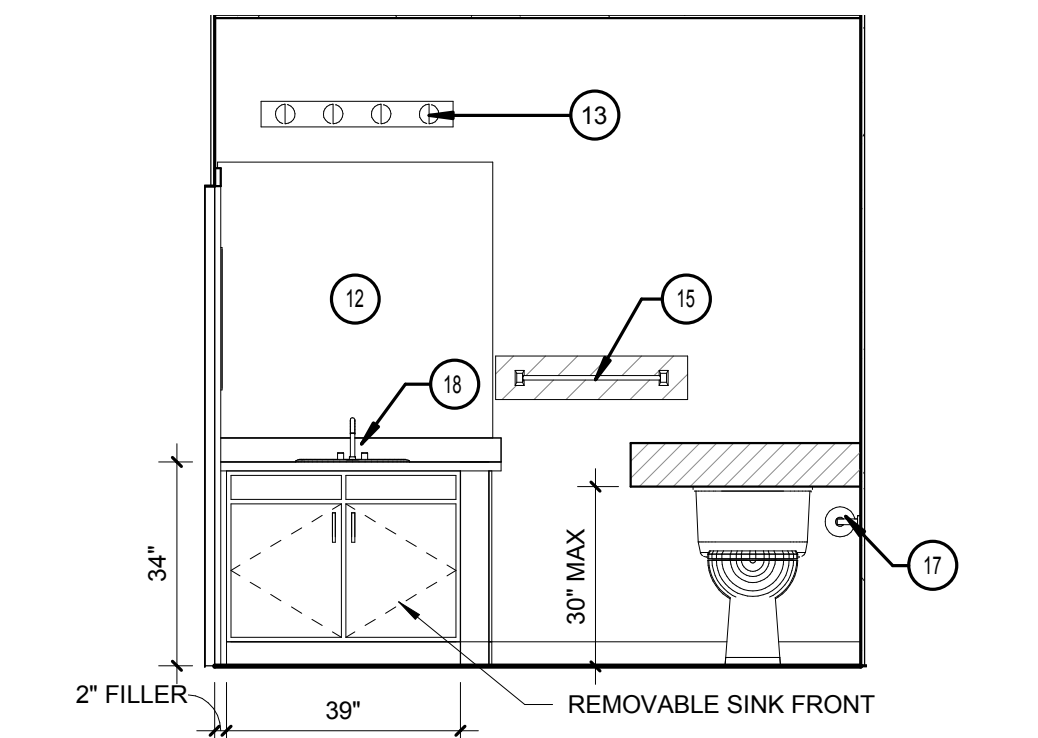
F7 ANSI ADAPTABLE BATH ELEV
3/8" = 1'-0" F1/A8.03



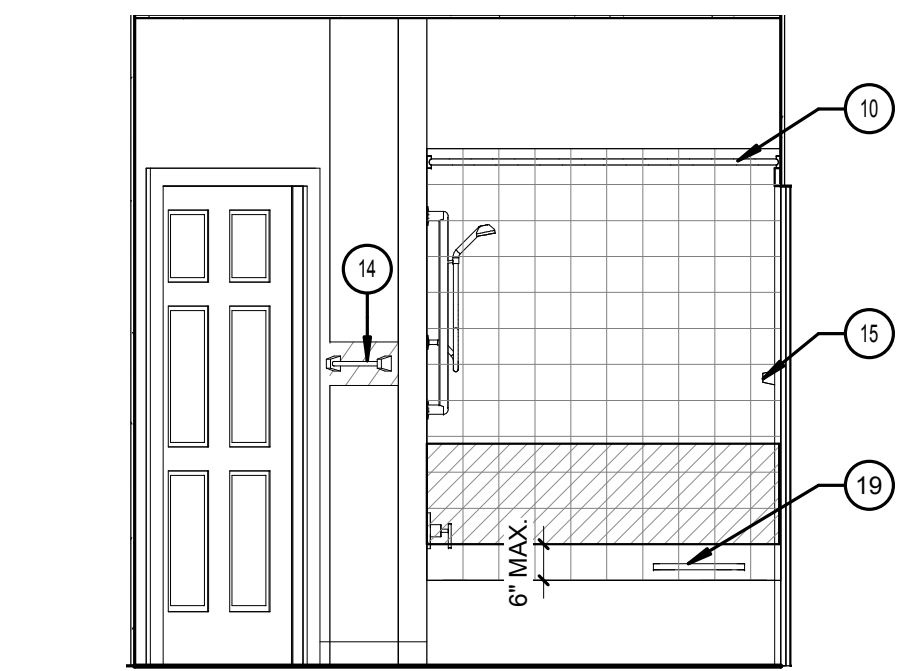
F9 ANSI ADAPTABLE BATH ELEV
3/8" = 1'-0" F1/A8.03



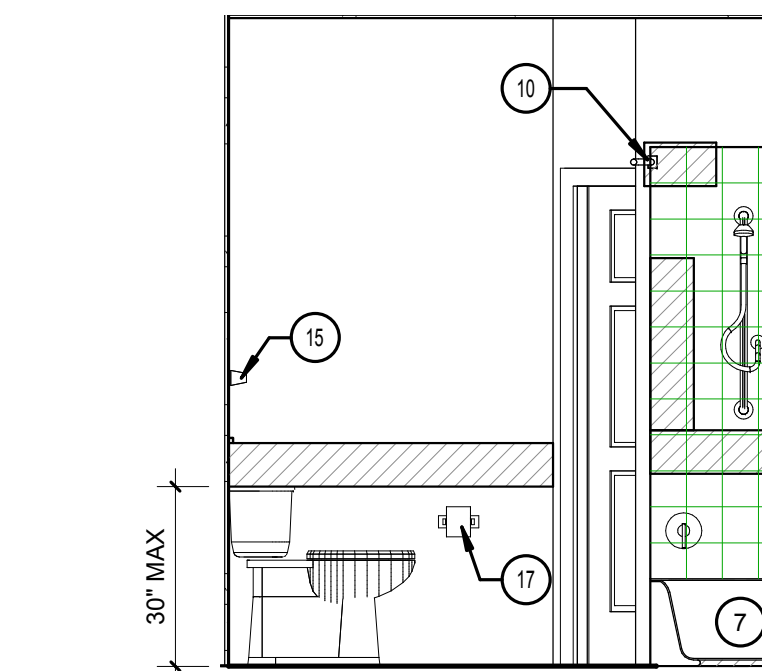
H1 ANSI TYPE 'A' BATH PLAN
3/8" = 1'-0" D7/A3.10



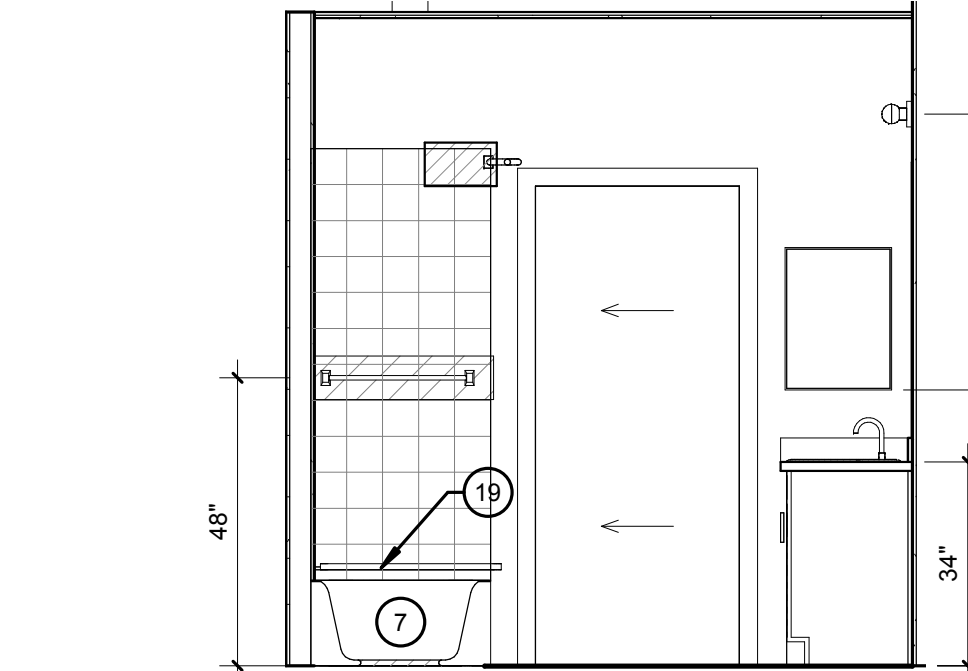
H3 ANSI TYPE 'A' BATH ELEV
3/8" = 1'-0" H1/A8.03



H5 ANSI TYPE 'A' BATH ELEV
3/8" = 1'-0" H1/A8.03



H7 ANSI TYPE 'A' BATH ELEV
3/8" = 1'-0" H1/A8.03



H9 ANSI TYPE 'A' BATH ELEV
3/8" = 1'-0" H1/A8.03

FINISH SCHEDULE - GARAGE AND COMMON AREAS															
MARK	SPACE DESIGNATION	FLOOR MATERIAL	BASE MATERIAL	CROWN MOLDING	WALLS								CEILING		REMARKS
					NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	
					MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH			
	GARAGE	CONC.	SLD.	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
	STORAGE	LVT	WD.	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
	UTILITY	LVT	WD.	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
FINISH SCHEDULE - UNIT TYPE S															
S-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
S-2	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
S-3	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
S-4	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
S-5	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
S-6	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
S-7	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
S-8	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
S-9	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
S-10	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
FINISH SCHEDULE - UNIT TYPE A1-C															
A1C-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1C-2	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1C-3	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1C-4	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1C-5	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1C-6	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1C-7	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1C-8	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1C-9	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1C-10	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1C-11	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
FINISH SCHEDULE - UNIT TYPE A1-S															
A1S-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-2	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-3	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-4	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-5	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-6	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-7	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-8	STORAGE	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-9	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-10	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-11	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1S-12	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
FINISH SCHEDULE - UNIT TYPE B1-C															
B1C-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-2	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-3	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-4	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-5	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-6	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-7	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-8	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-9	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-10	WIC	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-11	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-12	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-13	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1C-14	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
FINISH SCHEDULE - UNIT TYPE B1-S															
B1S-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-2	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-3	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-4	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-5	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-6	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-7	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-8	STORAGE	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-9	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-10	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-11	WIC	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-12	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-13	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-14	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1S-15	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
FINISH SCHEDULE - UNIT TYPE B2-CS															
B2CS-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-2	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-3	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-4	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-5	DEN	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-6	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-7	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-8	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-9	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-10	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-11	WIC	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-12	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-13	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-14	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2CS-15	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	

LEGEND:

CONC = CONCRETE
 CPT = CARPET
 LVT = VINYL COMPOSITION STRIP
 SLD = SEALED
 PTD = PAINTED
 GWB = GYPSUM WALL BOARD
 GYP. BD. = GYPSUM BOARD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description



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

BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN
 Date: 04/29/2013
 Project #: 5166.400

FINISH SCHEDULES
A8.04

PATRICK D. FITCH
 LICENSE # 103195

FINISH SCHEDULE - UNIT TYPE B2-SS															
MARK	SPACE DESIGNATION	FLOOR MATERIAL	BASE MATERIAL	CROWN MOLDING	WALLS								CEILING		REMARKS
					NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	
					MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH			
B2SS-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-2	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-3	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-4	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-5	DEN	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-6	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-7	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-8	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-9	STORAGE	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-10	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-11	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-12	WIC	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-13	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-14	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-15	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B2SS-16	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
FINISH SCHEDULE - UNIT TYPE C1-C															
C1C-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-2	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-3	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-4	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-5	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-6	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-7	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-8	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-9	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-10	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-11	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-12	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-13	WIC	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-14	WIC	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-15	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-16	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-17	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1C-18	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
FINISH SCHEDULE - UNIT TYPE C1-S															
C1S-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-2	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-3	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-4	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-5	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-6	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-7	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-8	STORAGE	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-9	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-10	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-11	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-12	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-13	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-14	WIC	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-15	WIC	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-16	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-17	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-18	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
C1S-19	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
FINISH SCHEDULE - UNIT TYPE A1-C ANSI ADAPTABLE															
A1CA-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1CA-2	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1CA-3	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1CA-4	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1CA-5	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1CA-6	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1CA-7	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1CA-8	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1CA-9	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1CA-10	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
A1CA-11	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
FINISH SCHEDULE - UNIT TYPE B1-C ANSI ADAPTABLE															
B1CA-1	ENTRY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-2	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-3	HALL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-4	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-5	LIVING/DINING	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-6	KITCHEN	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-7	UTILITY	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-8	BEDROOM	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-9	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-10	WIC	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-11	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-12	CL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-13	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-14	CL	CPT.	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
B1CA-15	BATH	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	

LEGEND:

- CONC = CONCRETE
- CPT = CARPET
- LVT = VINYL COMPOSITION STRIP
- SLD = SEALED
- PTD = PAINTED
- GWB = GYPSUM WALL BOARD
- GYP. BD. = GYPSUM BOARD

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW SET

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

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

Date: 04/29/2013
Project #: 5166.400

FINISH SCHEDULES

A8.05

PATRICK D. FITCH
LICENSE # 103195

AIR DEVICE SCHEDULE				
MARK	SD	CD	RG	TG
MANUFACTURER	HART & COOLEY	HART & COOLEY	HART & COOLEY	HART & COOLEY
MODEL	A6180B	681/682/683	650	650
UNIT				
TYPE	SIDEWALL SUPPLY	CEILING SUPPLY	CEILING RETURN	TRANSFER
SIZE (IN)/AIRFLOW PATTERN	SEE DWG	SEE DWG	SEE DWG	12x6
FINISH	WHITE	WHITE	WHITE	WHITE
MATERIAL	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
ACCESSORIES	1	1,2	1,2	-
PERFORMANCE				
MAX NC LEVEL	27	27	27	27
MAX PRESS DROP (IN.W.G.)	0.04	0.04	0.04	0.04
ACCESSORIES				
1. PROVIDE OPPOSED BLADE DAMPER ADJUSTABLE FROM FACE OF REGISTER. 2. PROVIDE DUCT BOOT WITH RADIATION DAMPER.				
NOTES				
1. PAINT DUCTWORK THAT IS VISIBLE THROUGH FRONT OF AIR DEVICE MATTE BLACK. 2. REFER TO DRAWINGS FOR REQUIRED SUPPLY AIR DEVICE AIR FLOW PATTERN.				

FAN SCHEDULE				
MARK	EF-1	EF-1C	EF-2C	EF-3C
MANUFACTURER	BROAN	BROAN	BROAN	BROAN
MODEL	688	770	676	770
APPLICATION	EXHAUST	EXHAUST	EXHAUST	EXHAUST
FAN				
LOCATION	WALL	CEILING	CEILING	CEILING
AIR FLOW (CFM)	50	50	110	50
STATIC PRESSURE (IN.W.G.)	0.25	0.25	0.25	0.25
DRIVE/TYPE	DIRECT	DIRECT	DIRECT	DIRECT
WATTS	108 W	108 W	156 W	108 W
VOLTS/PH	115/1	115/1	115/1	115/1
UNIT REQUIREMENTS				
OPERATING WEIGHT (LBS)	10	10	10	10
ACCESSORIES	1,4	2,3	2,3	2
NOTES	1,2	1	1	3
ACCESSORIES				
1. PROVIDE ALUMINUM WALL CAP WITH BACKDRAFT DAMPER, PRIME AND PAINT CAP TO MATCH BUILDING EXTERIOR. 2. PROVIDE ALUMINUM ROOF CAP WITH BACKDRAFT DAMPER, PRIME AND PAINT CAP TO MATCH ROOF. 3. PROVIDE TIME DELAY RELAY FOR EXHAUST FAN TO OPERATE FOR AN ADDITIONAL FIVE (5) MINUTES AFTER LIGHT HAS BEEN TURNED OFF.				
NOTES				
1. INTER-LOCK WITH BATHROOM LIGHT SWITCH. 2. EXHAUST FANS SHALL BE INSTALLED WITHIN THE BATHROOM WALLS AS SHOWN ON THE UNIT PLANS. THE TOP OF FAN SHALL BE LOCATED 6" BELOW CEILING. PROVIDE 3" DIAMETER DUCT IN WALL AND TRANSITION TO 4" DIAMETER DUCT IN CEILING CAVITY. 3. FAN CONTROLLED BY WALL SWITCH.				

GENERAL NOTES
1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE HVAC SYSTEMS.
2. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL ACCESS DOORS, BALANCING DAMPERS, FIRE DAMPERS, DUCT AND PIPE OFFSETS, ETC. WHETHER SOME ARE SHOWN OR NOT.
4. INSTALLATION OF EQUIPMENT SHALL COMPLY WITH EQUIPMENT MANUFACTURER'S INSTALLATION AND CLEARANCE REQUIREMENTS.
5. THE CONTRACTOR SHALL VERIFY INSTALLATION CLEARANCES WILL BE MAINTAINED AND DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE ACQUISITION OF EQUIPMENT.
6. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE SYSTEMS AND NO EXTRAS WILL BE ALLOWED FOR ADDITIONAL FITTINGS OR OFFSETS.
7. THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF THE DIFFERENT TRADES SO THAT INTERFERENCE BETWEEN PIPING, EQUIPMENT, STRUCTURAL, AND ELECTRICAL WORK WILL BE AVOIDED. ALL NECESSARY OFFSETS IN DUCTWORK AND FITTINGS REQUIRED TO INSTALL THE WORK PROPERLY SHALL BE PROVIDED COMPLETE IN PLACE AT NO ADDITIONAL COST TO THE OWNER.
8. ALL RFI'S SUBMITTED BY THE CONTRACTOR SHALL INCLUDE A RECOMMENDED SOLUTION.
9. ALL DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE THE INTERNAL CLEAR DIMENSIONS.
10. ALL NEW SUPPLY AND RETURN DUCTWORK SHALL BE FIBERGLASS DUCTBOARD. DUCTBOARD SHALL BE INTERNALLY COATED WITH A BLACK ACRYLIC POLYMER FORMULATED WITH AN IMMOBILIZED, EPA-REGISTERED, ANTI-MICROBIAL AGENT. DUCTBOARD SHALL BE 1-1/2 INCH THICK RIGID FIBER WITH A MINIMUM INSTALLED R VALUE OF 6.0. JOINTS SHALL BE MECHANICALLY FASTENED AND SEALED WITH A MASTIC PLUS EMBEDDED FABRIC SYSTEM COMPLYING WITH UL 181 AND FINISHED WITH A VAPOR BARRIER JACKET.
11. ALL NEW EXHAUST DUCTWORK SHALL BE MINIMUM 26 GAUGE GALVANIZED STEEL.
12. ALL NEW TRANSFER DUCTWORK SHALL BE MINIMUM 26 GAUGE GALVANIZED STEEL.
13. ALL RESTROOM MAKE-UP AIR SHALL BE BY WAY OF DOOR UNDERCUTS.
14. REFRIGERANT PIPING SIZING AND ROUTING DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL TAKE INTO ACCOUNT LENGTH OF RUN, ELEVATION CHANGES, AND FIELD CONDITIONS. CONTRACTOR SHALL SUBMIT CALCULATIONS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.
15. ROUTE ALL UNDERGROUND REFRIGERANT PIPING IN 6"Ø LONG RADIUS PVC PIPING.
16. PROVIDE 4-INCH THICK, REINFORCED CONCRETE EQUIPMENT PAD WITH 6-INCH BORDER ALL AROUND FOR ALL GRADE-MOUNTED MECHANICAL EQUIPMENT.
17. ALL TEMPERATURE SENSORS/CONTROLS IN THE CLUBHOUSE AND ADA UNITS SHALL BE LOCATED TO ALLOW THE PARALLEL APPROACH BY A PERSON IN A WHEELCHAIR AND MOUNTED 54" AFF. WHERE ONLY FORWARD APPROACH IS POSSIBLE, SENSORS/CONTROLS SHALL BE MOUNTED 48" AFF.
18. ALL SUPPLY DUCTWORK SHALL BE RUN IN THE DROPPED CEILING BELOW THE FIRE-RATED ASSEMBLY. THE SUPPLY DUCTWORK SHALL NOT PASS THROUGH ANY FIRE-RATED ASSEMBLIES.
19. DO NOT LOCATED HEAT PUMPS UNDER ROOF DRIP EDGE.
20. ALL EXHAUST WALL CAPS SHALL BE PRIME COATED AND PAINTED TO MATCH THE BUILDING COLOR. LOCATE CAPS AT THE SAME ELEVATION TO MAINTAIN A UNIFORM APPEARANCE.

HVAC LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
DUCTWORK		
	AFF	ABOVE FINISHED FLOOR
		SUPPLY DUCT RISER
		RETURN DUCT RISER
		EXHAUST DUCT RISER
		SUPPLY DUCT DOWN
		RETURN DUCT DOWN
		EXHAUST DUCT DOWN
		DUCT CONTINUES
	MVD	MANUAL VOLUME DAMPERS
	F/SD	NEW FIRE/SMOKE DAMPER
	FD	NEW FIRE DAMPER
	EX. F.D.	EXISTING FIRE DAMPER
	A.P.	DUCT ACCESS PANEL
		DUCT RISE (R) OR DROP (D) IN DIRECTION OF FLOW
		SPIN-IN FLEXIBLE DUCT CONNECTION
		MOTORIZED DAMPER
		SQUARE TO ROUND DUCT TRANSITION
		RADIATION DAMPER
		SIDEWALL DIFFUSER/GRILLE
		SUPPLY OUTLET (SEE AIR DEVICE SCHEDULE)
		RETURN INLET (SEE AIR DEVICE SCHEDULE)
		EXHAUST INLET (SEE AIR DEVICE SCHEDULE)
		SLOT DIFFUSER
		FLEXIBLE DUCT

SPLIT SYSTEM AIR HANDLING UNIT SCHEDULE						
MARK	AHU-1	AHU-2	AHU-3	AHU-4	AHU-1C	AHU-2C
LOCATION	UTILITY RM	UTILITY RM	UTILITY RM	UTILITY RM	MECH ROOM	MECH ROOM
MANUFACTURER	GOODMAN	GOODMAN	GOODMAN	GOODMAN	TRANE	TRANE
MODEL	AWUF1803	AWUF2405	AWUF3008	AWUF3708	GAM5B0C48	GAM5B0C60
FAN						
TOTAL AIR FLOW (CFM)	550	700	950	1,100	1,600	1,950
OUTSIDE AIR FLOW (CFM)	0	0	0	0	200	350
EXTERNAL STATIC PRESSURE (IN.W.G.)	0.5	0.5	0.5	0.5	0.4	0.7
DRIVE/SPEED	DIRECT/LOW	DIRECT/MED	DIRECT/MED	DIRECT/HIGH	DIRECT/HIGH	DIRECT/HIGH
HP	1/3	1/3	1/3	1/2	3/4	1.0
EVAPORATOR COIL						
SENSIBLE CAPACITY (MBH)	12.7	16.8	21.0	25.6	35.6	45.5
TOTAL CAPACITY (MBH)	16.1	21.3	25.9	32.4	46.5	57.5
ENTERING AIR TEMP (DB/WB)	75.0/63.0	75.0/63.0	75.0/63.0	75.0/63.0	77.5/64.4	78.6/65.3
LEAVING AIR TEMP (DB/WB)	55.4/53.8	53.2/52.9	56.5/54.7	52.8/52.7	56.9/54.7	57.0/55.7
ROWS/FINS PER INCH	3/14.5	3/14.5	3/14.5	3/14.5	4/14	4/14
HEAT PUMP HEATING CAPACITY						
HEATING CAPACITY (MBH)	11.3	14.2	16.9	16.9	45.0	55.5
ENTERING AIR TEMP (DB)	70.0	70.0	70.0	70.0	63.6	60.8
LEAVING AIR TEMP (DB)	89.0	88.8	86.5	84.2	89.7	87.0
AUXILIARY ELECTRIC HEATING COIL						
HEATER MODEL	HKR-03	HKR-05	HKR-08	HKR-08	BAYEAAC10	BAYEAAC10
INPUT (KW @ 240V)	3.0	4.75	7.0	7.0	9.6	9.6
DELTA T (DEG F)	19.3	21.0	21.0	20.7	17.3	15.6
CONTROL STEPS	1	1	1	1	1	1
VOLTS/PHASE	240/1	240/1	240/1	240/1	240/1	240/1
ELECTRICAL						
MINIMUM CIRCUIT AMPACITY	18	27	40	43	58	60
MAXIMUM FUSE SIZE	20	30	40	45	60	60
FILTERS						
(QUANTITY) SIZE	(1) 14x18x1	(1) 14x18x1	(1) 16x20x1	(1) 16x20x1	(1) 22x20x1	(1) 22x20x1
TYPE	DISPOSABLE	DISPOSABLE	DISPOSABLE	DISPOSABLE	DISPOSABLE	DISPOSABLE
UNIT REQUIREMENTS						
OPERATING WEIGHT (LBS)	120	120	150	170	175	175
ACCESSORIES	1,2,3	1,2,3	1,2,3	1,2,3	1,2,4	1,2,4
NOTES	1,2	1,2	1,2	1,2	2,3	2,3
ACCESSORIES (PROVIDE THE FOLLOWING)						
1. SINGLE POINT POWER CONNECTION WITH FACTORY SUPPLIED DISCONNECT. 2. FLOAT SWITCH IN CONDENSATE DRAIN PAN TO SHUT DOWN AHU IF CONDENSATE DRAIN LINE CLOGS. 3. MANUFACTURER'S LOUVERED ACCESS DOOR. 4. MOTORIZED OUTSIDE AIR DAMPER TO CLOSE WHEN HEAT PUMP COMPRESSOR IS OFF.						
NOTES						
1. PROVIDE INSULATED 3/4" CONDENSATE TRAP AND PIPE TO CONDENSATE RISER. 2. ALL REFRIGERANT PIPING SHALL BE SIZED BY THE EQUIPMENT MANUFACTURER. 3. PROVIDE INSULATED 3/4" CONDENSATE TRAP AND PIPE TO DRYWELL. ALL UNDERGROUND PIPE SHALL BE MINIMUM 2"Ø.						

HVAC DESIGN DATA			
WALL U VALUE (BTU/HR-FT ² -DEG F)	0.077		
ROOF U VALUE (BTU/HR-FT ² -DEG F)	0.026		
WINDOW U VALUE (BTU/HR-FT ² -DEG F)	0.34		
WINDOW SOLAR HEAT GAIN COEFFICIENT	0.33		
INDOOR AREA DESIGN CONDITIONS			
	SUMMER	WINTER	
	DB (DEG F)	% HUMIDITY DB (DEG F)	
AHU/HP-1	75	50	72
AHU/HP-2	75	50	72
AHU/HP-3	75	50	72
AHU/HP-4	75	50	72

AIR-COOLED HEAT PUMP SCHEDULE						
MARK	HP-1	HP-2	HP-3	HP-4	HP-1C	HP-2C
LOCATION	GRADE	GRADE	GRADE	GRADE	GRADE	GRADE
MANUFACTURER	GOODMAN	GOODMAN	GOODMAN	GOODMAN	TRANE	TRANE
MODEL NUMBER	GSZ130182A	GSZ130242A	GSZ130302A	GSZ130362A	4TWB3048B1	4TWB3060B1
COMPRESSOR						
OUTDOOR DESIGN TEMPERATURE (DEG F)	95	95	95	95	95	95
NUMBER OF STAGES	1	1	1	1	1	1
NUMBER OF COMPRESSORS	1	1	1	1	1	1
CONDENSER FAN						
NUMBER OF FANS	1	1	1	1	1	1
MOTOR HP	1/6	1/6	1/6	1/4	1/5	1/5
ELECTRICAL						
VOLTAGE/PHASE	230/1	230/1	230/1	230/1	230/1	230/1
COMPRESSOR RLA EACH	9.0	12.8	14.1	16.6	21.8	26.3
CONDENSER FAN MOTOR FLA EACH	1.1	1.1	1.1	1.5	1.01	0.94
MINIMUM CIRCUIT AMPACITY	12.3	17.1	18.7	22.3	28	34
MAXIMUM FUSE SIZE	20	25	30	35	50	60
SEER	13.0	13.0	13.0	13.0	13.0	13.0
UNIT REQUIREMENTS						
UNIT WEIGHT (LBS)	200	200	210	240	250	250
ACCESSORIES	1-8	1-8	1-8	1-8	1-4,6,8,9	1-4,6,8,9
NOTES	1,2	1,2	1,2	1,2	1,2	1,2
ACCESSORIES (PROVIDE THE FOLLOWING)						
1. LIQUID-LINE SOLENOID VALVE 2. THERMOSTATIC EXPANSION VALVE (TXV) HARD SHUTOFF 3. COMPRESSOR SOUND HOOD 4. LOW AMBIENT KIT 5. DUAL FUEL HEAT PUMP THERMOSTAT AND OUTDOOR AIR TEMPERATURE SENSOR TO PREVENT SIMULTANEOUS COMPRESSOR AND ELECTRIC HEATER OPERATION 6. REFRIGERANT CHARGING VALVES 7. ALL ADDITIONAL ACCESSORIES REQUIRED FOR LONG-LENGTH REFRIGERANT PIPE APPLICATIONS 8. TIME DELAY RELAY 9. 5-1-1 PROGRAMMABLE THERMOSTAT WITH BATTERY BACK-UP OR NON-VOLATILE MEMORY						
NOTES						
1. PROVIDE ALL REFRIGERANT PIPING SIZED BY THE MANUFACTURER. 2. COORDINATE HEAT PUMP LOCATIONS ON A BUILDING BY BUILDING BASIS.						

ELECTRIC WALL HEATER	
MARK	H-1
MANUFACTURER	QMARK
MODEL	CWH1101DS
HEAT	
HEATER SIZE (KW @ 120V)	1.0
ELECTRICAL	
VOLTS/PH	120/1
NOTES	
1. PROVIDE INTEGRAL THERMOSTAT SET AT 50 DEG F. 2. PROVIDE SURFACE MOUNTING FRAME.	

PIPING	
	PIPING CONTINUES
	ANCHOR POINT
	PIPE GUIDE
	PIPE ELBOW DOWN
	PIPE ELBOW UP
	EXPANSION COMPENSATOR
	BALL VALVE (SHOWN WITH OR WITHOUT HANDLE)
	BALANCING VALVE WITH PRESSURE TAPS
	2 WAY AUTOMATIC CONTROL VALVE
	THERMOMETER IN WELL
	PRESSURE/TEMPERATURE TAP
	FLOW METER
	MOTOR OPERATED VALVE
	TEMPERATURE SENSOR
	UNION
	FLEXIBLE PIPING
	CAPPED END
SYMBOLS	
	THERMOSTAT
	TEMPERATURE SENSOR UNIT SERVED
	DUCT SMOKE DETECTOR
	AIR DEVICE TAG/SIZE/AIRFLOW QUANTITY
	CD = CEILING SUPPLY DIFFUSER/GRILLE
	EG = EXHAUST GRILLE
	FR = FIRE RESISTANT GRILLE
	RG = RETURN GRILLE
	SD = SIDEWALL SUPPLY DIFFUSER/GRILLE
	UNDER CUT DOOR
	AIR FLOW AMOUNT (CFM)
	REFERENCE NOTE
	TYPE OF EQUIPMENT
	EQUIPMENT NUMBER
	AHU = AIR HANDLING UNIT
	CU = CONDENSING UNIT
	EF = EXHAUST FAN
	H = HEATER
	HP = HEAT PUMP
	SECTION NUMBER
	SHEET SECTION APPEARS

ISSUE HISTORY		
No.	Date	Description
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REVISION HISTORY		
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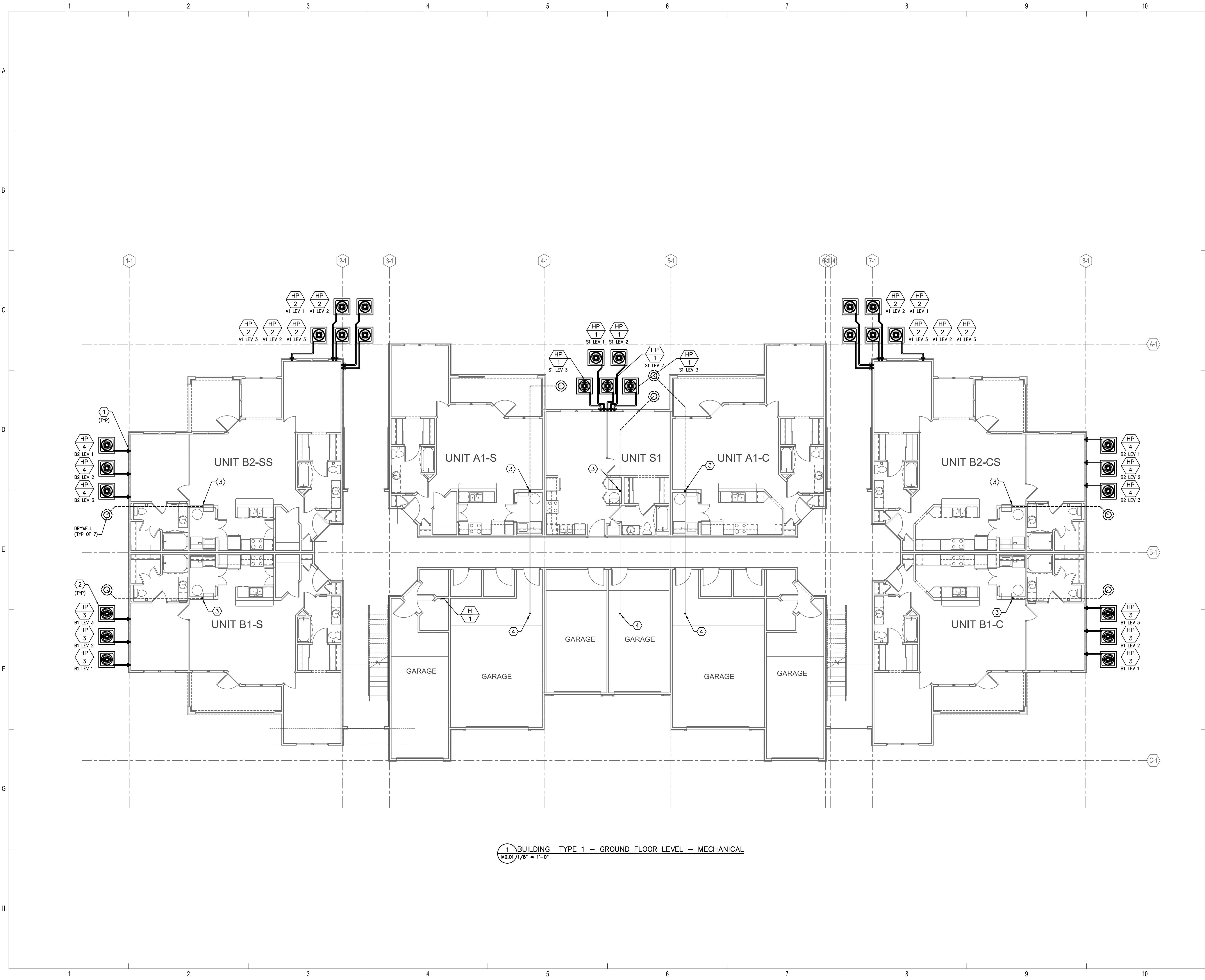
Drawn: TLC	M0.01
Checked: RDP	
Approved: KJC	
Date: 04/29/2013	
Project #: 5166-400	

BRIDGEWAY APARTMENTS

CHATTANOOGA, TN

LEGEND AND SCHEDULES - MECHANICAL





1 BUILDING TYPE 1 - GROUND FLOOR LEVEL - MECHANICAL
M2.01 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
2. REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- 1 CONTRACTOR SHALL ROUTE REFRIGERANT LINES AND CONTROL WIRING DOWN INSIDE THE EXTERIOR WALL AND PENETRATE AT 12"-18" ABOVE GRADE. PROVIDE FLASHED SHEET METAL SHROUD OVER PENETRATION AND SEAL WEATHER-TIGHT. PRIME AND PAINT SHROUD TO MATCH SURROUNDING WALL. CONTINUE REFRIGERANT LINES ABOVE GRADE TO HEAT PUMP.
- 2 MOUNT HEAT PUMPS ON REINFORCED CONCRETE PAD. COORDINATE LOCATION WITH ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL DRAWINGS. PROVIDE EQUIPMENT TAGS ON HEAT PUMPS INDICATING THE APARTMENT NUMBER SERVED. TAGS SHALL BE THREE-LAYER PLASTIC WITH ENGRAVED WHITE LETTERS ON A BLACK BACKGROUND.
- 3 2" CONDENSATE INSULATED DRAIN RISER CONTINUED UNDERGROUND TO DRYWELL.
- 4 2" CONDENSATE INSULATED DRAIN CONTINUED CONCEALED ABOVE CEILING AND SLOPED TO DRAIN RISER.

ISSUE HISTORY

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1	05/31/13	PERMIT ISSUE

REVISION HISTORY

No.	Date	Description



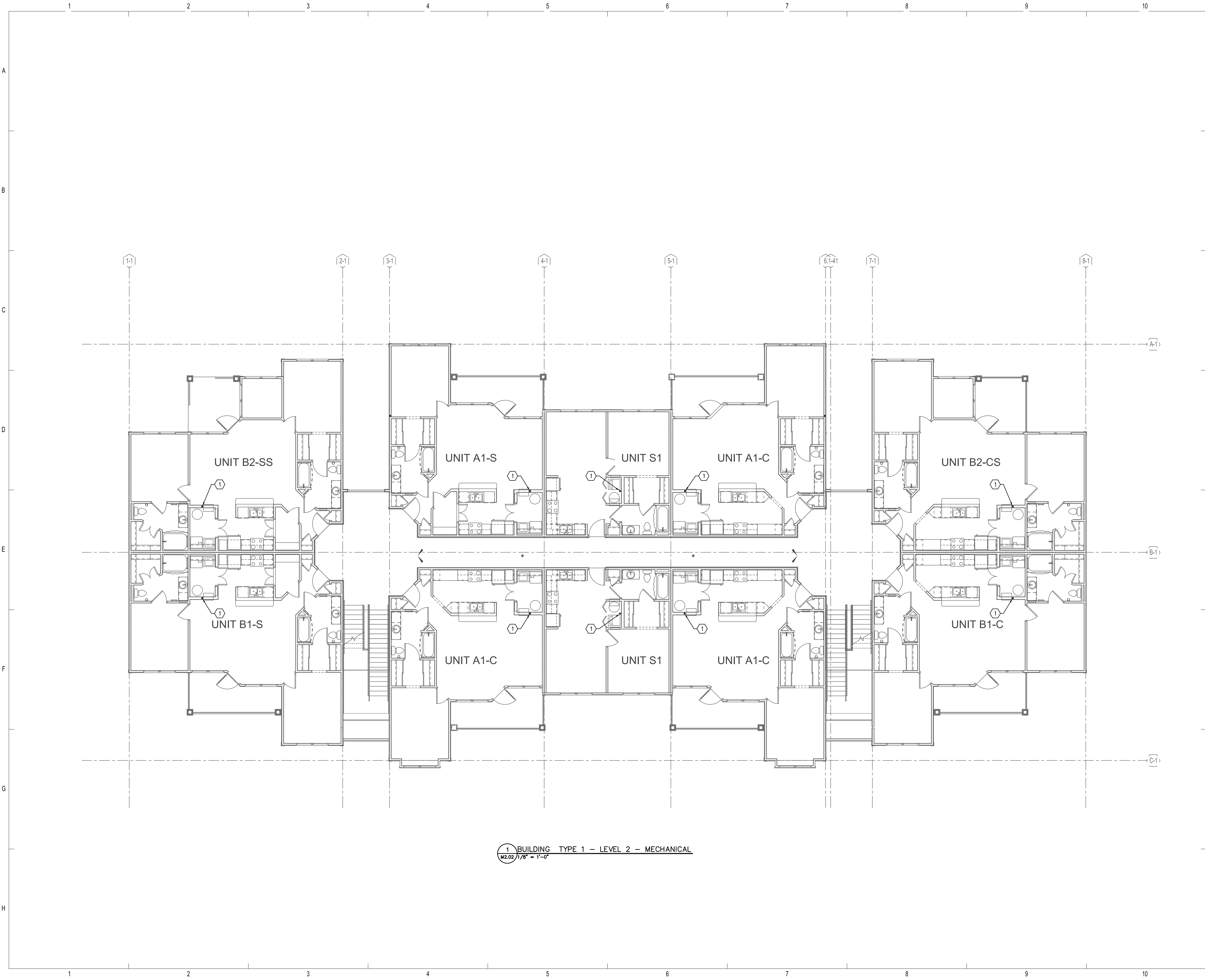
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 1 - GROUND FLOOR LEVEL - MECHANICAL M2.01





GENERAL NOTES

1. REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
2. REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- ① 2" CONDENSATE INSULATED DRAIN RISER.

ISSUE HISTORY

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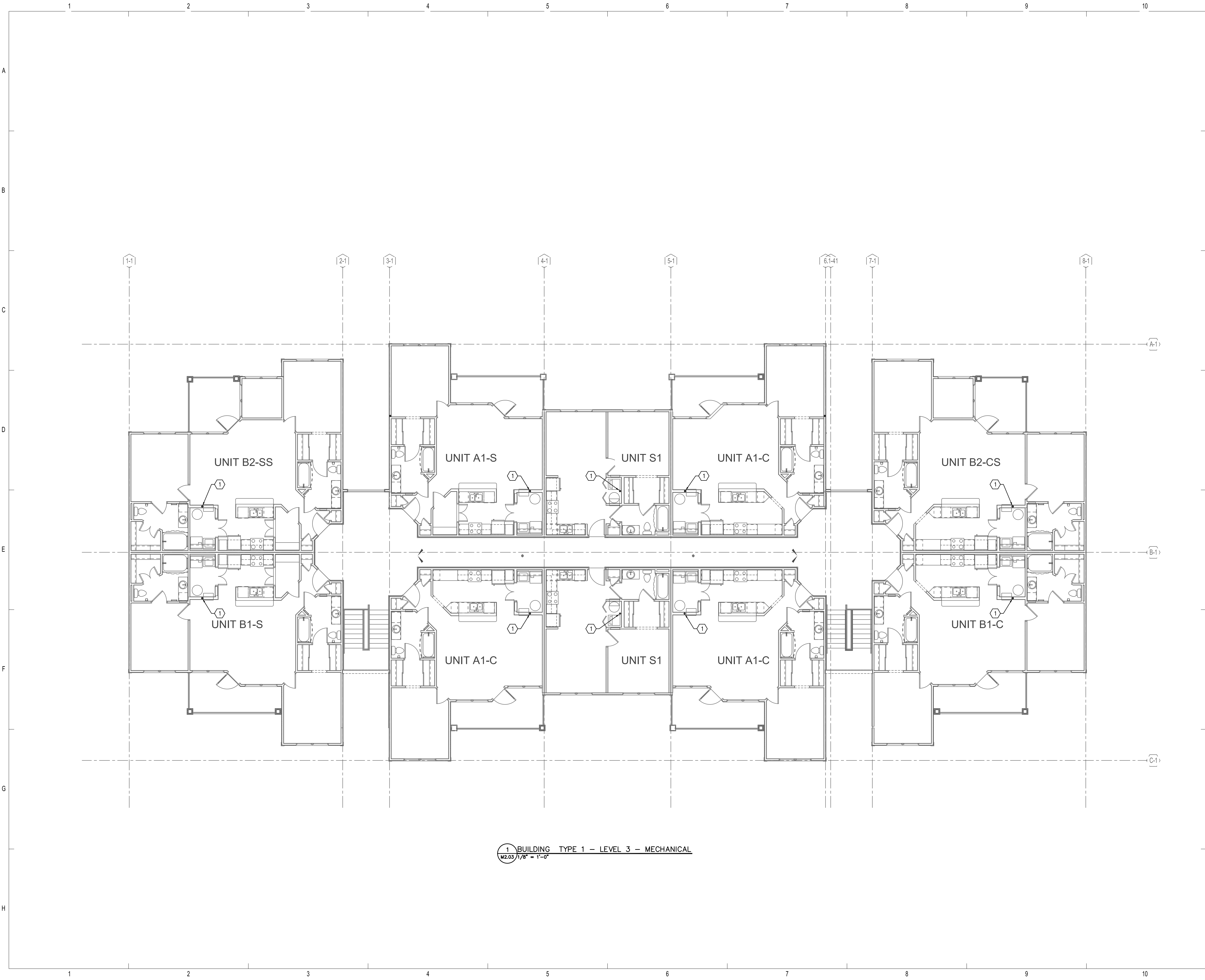
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 1 - LEVEL 2 - MECHANICAL

M2.02





1 BUILDING TYPE 1 - LEVEL 3 - MECHANICAL
 M2.03 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
2. REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- 1 2" CONDENSATE INSULATED DRAIN RISER.

ISSUE HISTORY

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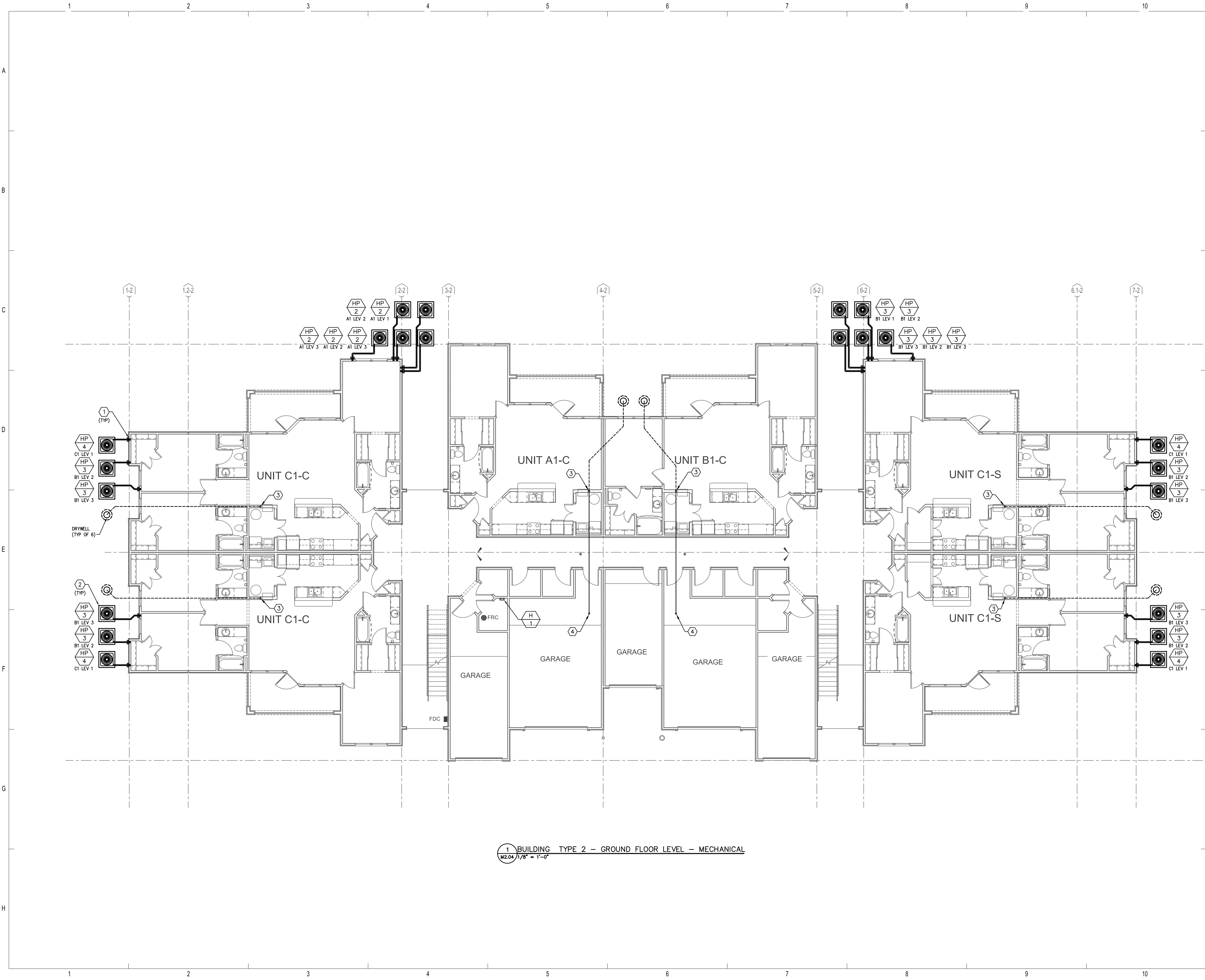


BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN

BUILDING TYPE 1 - LEVEL 3 - MECHANICAL

M2.03





GENERAL NOTES

1. REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
2. REFER TO DETAILS ON M6.01.

REFERENCE NOTES

1. CONTRACTOR SHALL ROUTE REFRIGERANT LINES AND CONTROL WIRING DOWN INSIDE THE EXTERIOR WALL AND PENETRATE AT 12"-18" ABOVE GRADE. PROVIDE FLASHED SHEET METAL SHROUD OVER PENETRATION AND SEAL WEATHER-TIGHT. PRIME AND PAINT SHROUD TO MATCH SURROUNDING WALL. CONTINUE REFRIGERANT LINES ABOVE GRADE TO HEAT PUMP.
2. MOUNT HEAT PUMPS ON REINFORCED CONCRETE PAD. COORDINATE LOCATION WITH ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL DRAWINGS. PROVIDE EQUIPMENT TAGS ON HEAT PUMPS INDICATING THE APARTMENT NUMBER SERVED. TAGS SHALL BE THREE-LAYER PLASTIC WITH ENGRAVED WHITE LETTERS ON A BLACK BACKGROUND.
3. 2" CONDENSATE INSULATED DRAIN RISER CONTINUED UNDERGROUND TO DRYWELL.
4. 2" CONDENSATE INSULATED DRAIN CONTINUED CONCEALED ABOVE CEILING AND SLOPED TO DRAIN RISER.

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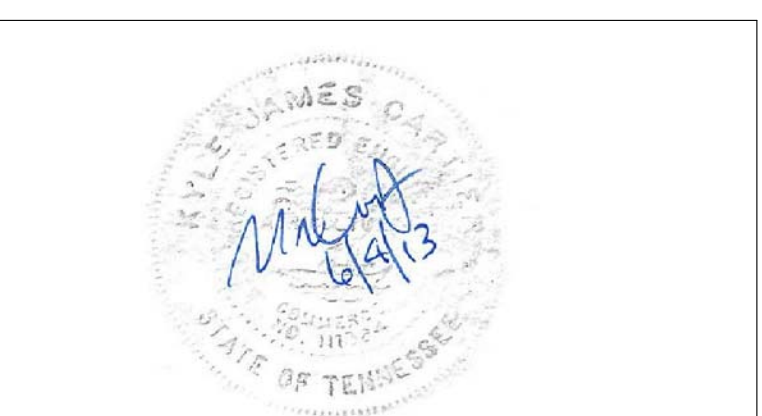


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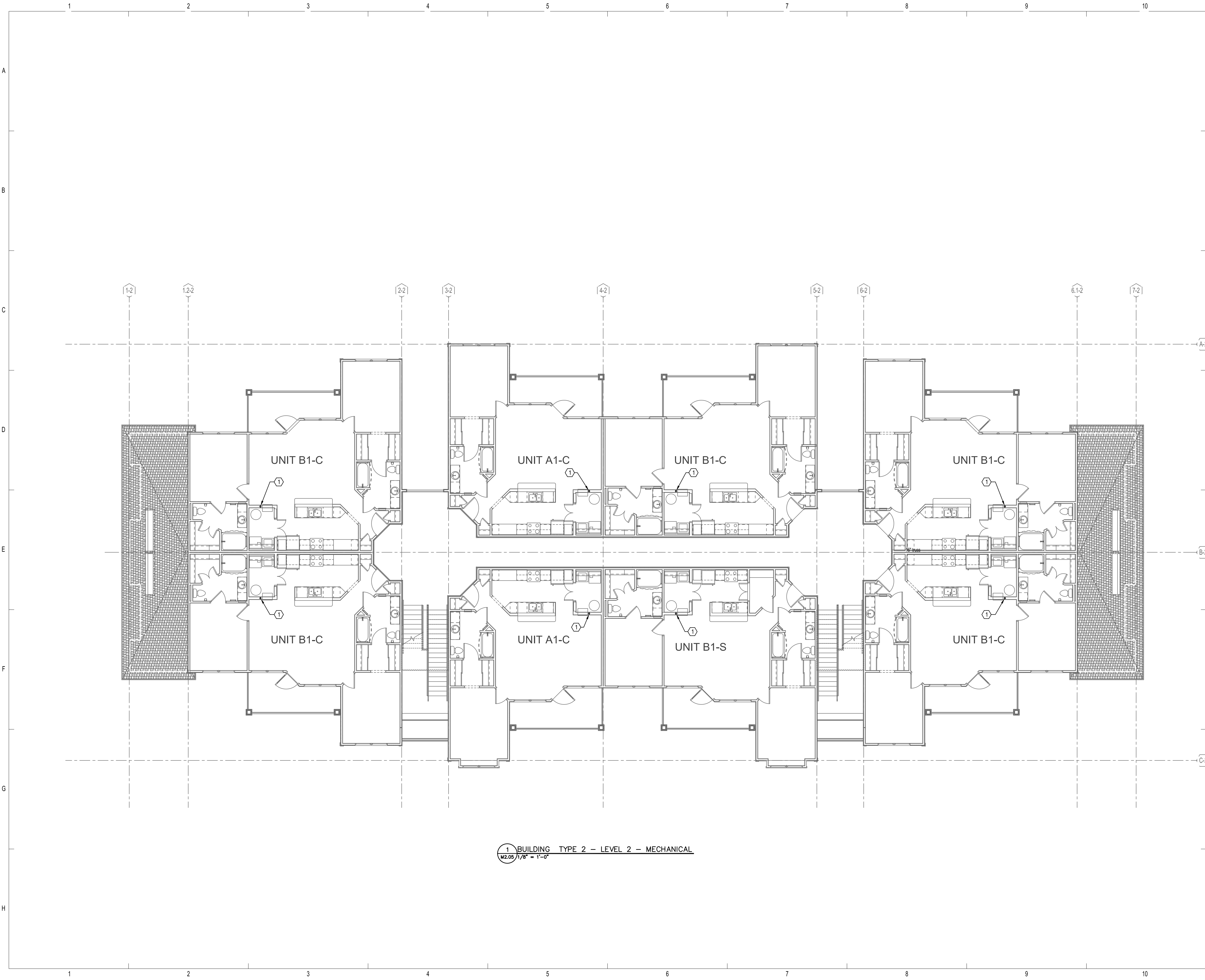


BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 2 - GROUND FLOOR LEVEL - MECHANICAL M2.04



1. BUILDING TYPE 2 - GROUND FLOOR LEVEL - MECHANICAL
M2.04 1/8" = 1'-0"



GENERAL NOTES

1. REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
2. REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- ① 2" CONDENSATE INSULATED DRAIN RISER.

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT ISSUE

REVISION HISTORY		
No.	Date	Description



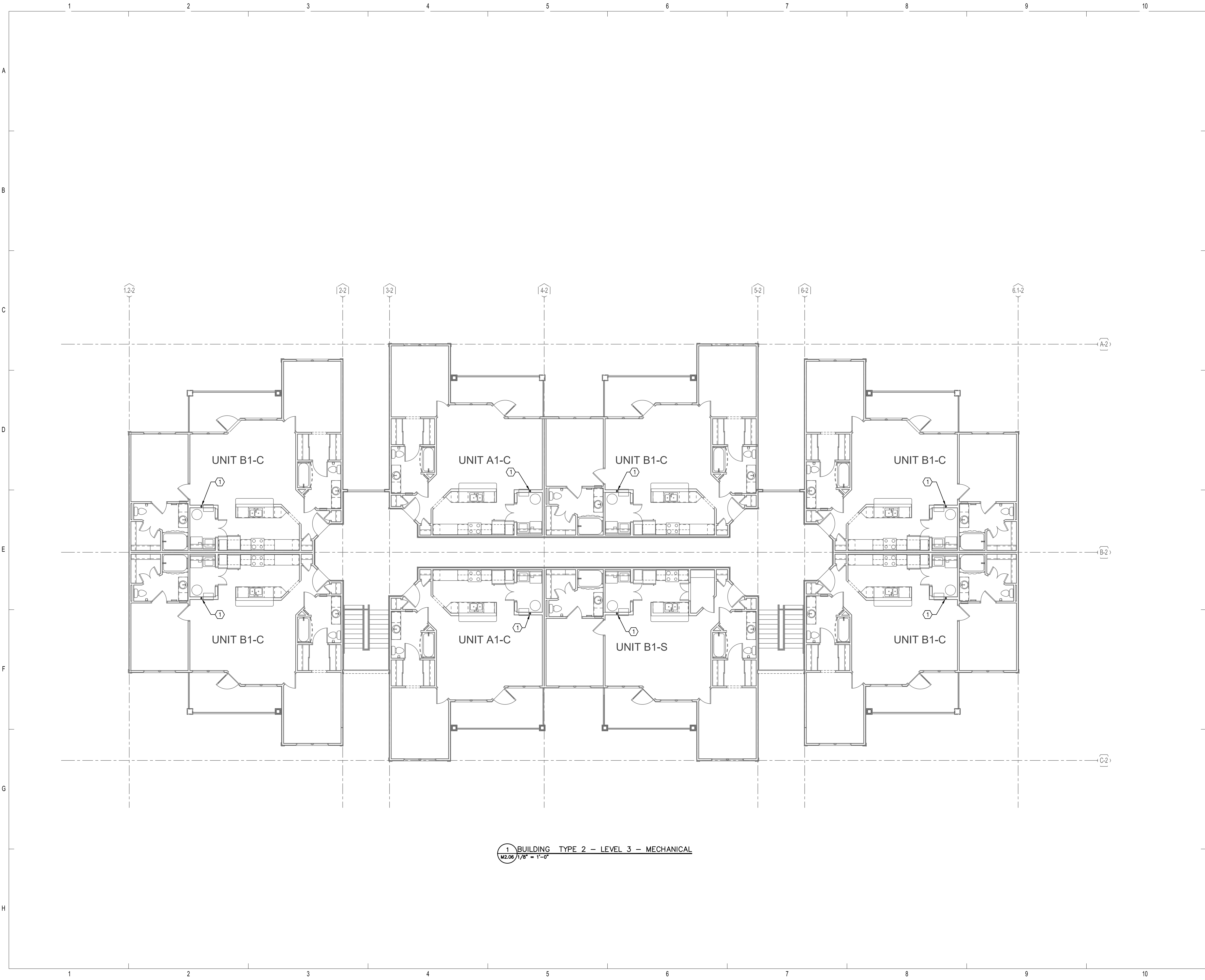
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 2 - LEVEL 2 - MECHANICAL

M2.05





1 BUILDING TYPE 2 - LEVEL 3 - MECHANICAL
 M2.06 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
2. REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- 1 2" CONDENSATE INSULATED DRAIN RISER.

ISSUE HISTORY

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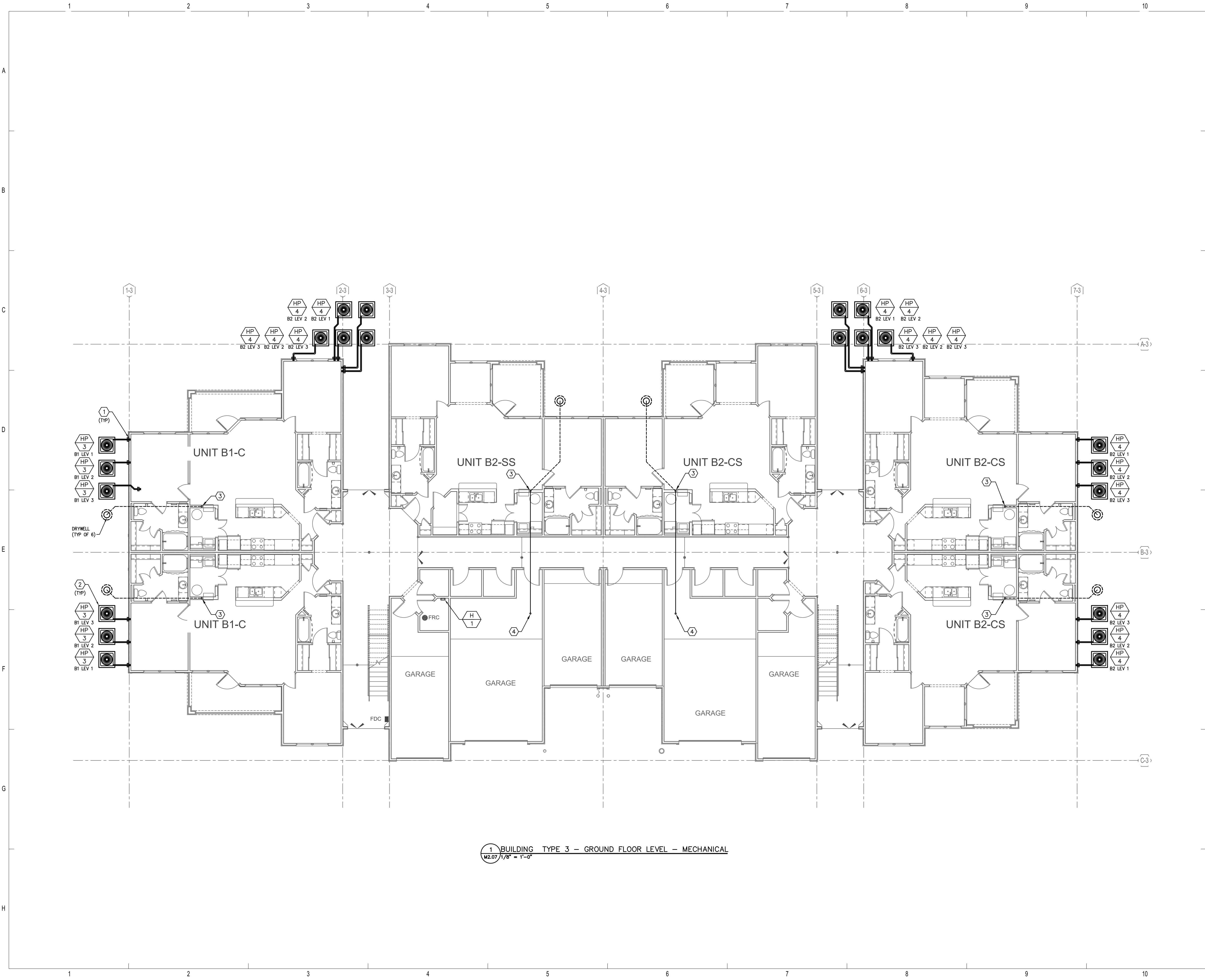
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BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN

BUILDING TYPE 2 - LEVEL 3 - MECHANICAL

M2.06





1 BUILDING TYPE 3 - GROUND FLOOR LEVEL - MECHANICAL
M2.07 1/8" = 1'-0"

GENERAL NOTES

- REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
- REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- CONTRACTOR SHALL ROUTE REFRIGERANT LINES AND CONTROL WIRING DOWN INSIDE THE EXTERIOR WALL AND PENETRATE AT 12"-18" ABOVE GRADE. PROVIDE FLASHED SHEET METAL SHROUD OVER PENETRATION AND SEAL WEATHER-TIGHT. PRIME AND PAINT SHROUD TO MATCH SURROUNDING WALL. CONTINUE REFRIGERANT LINES ABOVE GRADE TO HEAT PUMP.
- MOUNT HEAT PUMPS ON REINFORCED CONCRETE PAD. COORDINATE LOCATION WITH ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL DRAWINGS. PROVIDE EQUIPMENT TAGS ON HEAT PUMPS INDICATING THE APARTMENT NUMBER SERVED. TAGS SHALL BE THREE-LAYER PLASTIC WITH ENGRAVED WHITE LETTERS ON A BLACK BACKGROUND.
- 2" CONDENSATE INSULATED DRAIN RISER CONTINUED UNDERGROUND TO DRYWELL.
- 2" CONDENSATE INSULATED DRAIN CONTINUED CONCEALED ABOVE CEILING AND SLOPED TO DRAIN RISER.

ISSUE HISTORY

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REVISION HISTORY

No.	Date	Description



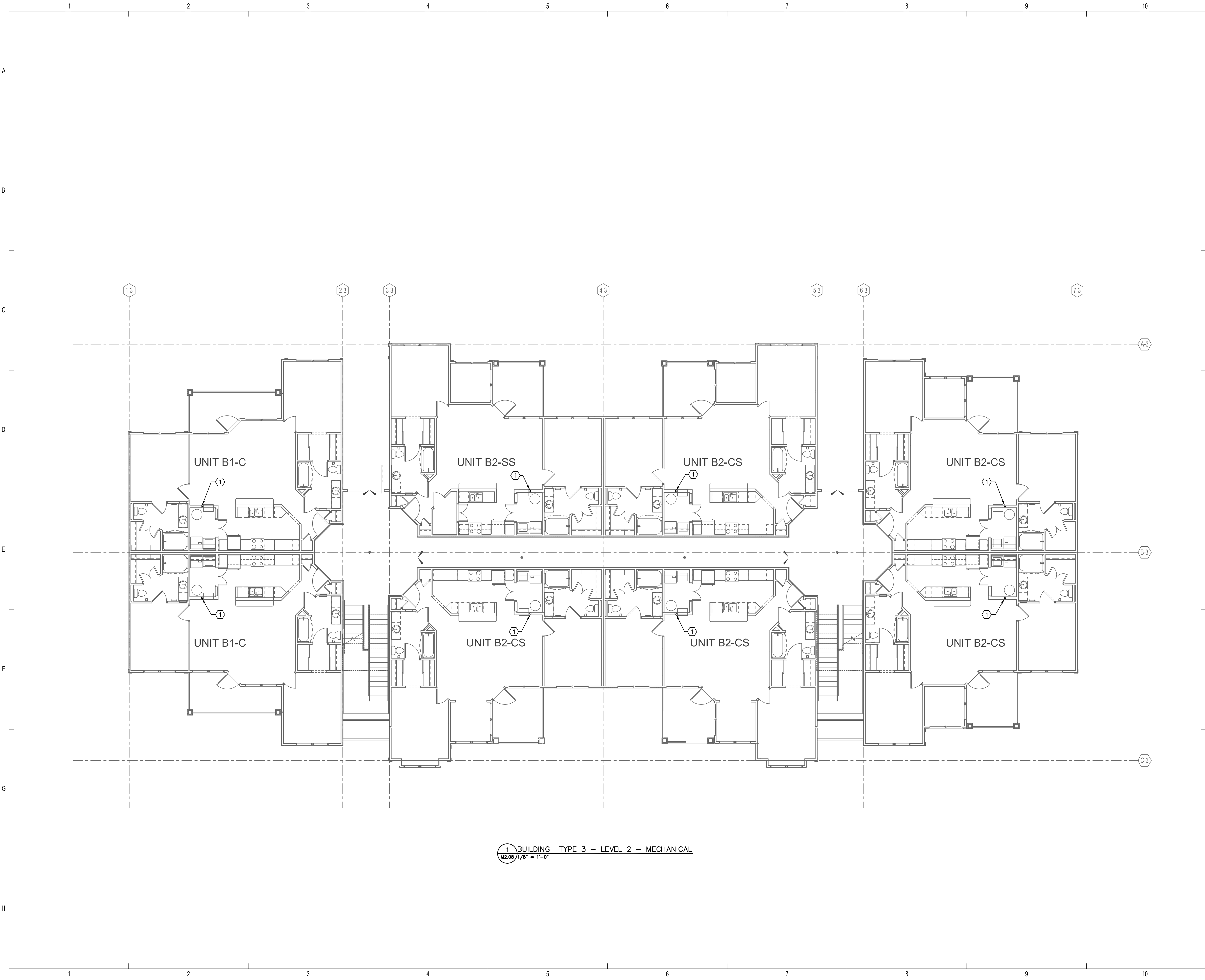
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KYLE J. CARTIER, P.E. 1111384

Drawn:	TLC
Checked:	RDP
Approved:	KJC
Date:	04/29/2013
Project #:	5166-400

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
BUILDING TYPE 3 - GROUND FLOOR LEVEL - MECHANICAL
M2.07





GENERAL NOTES

1. REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
2. REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- ① 2" CONDENSATE INSULATED DRAIN RISER.

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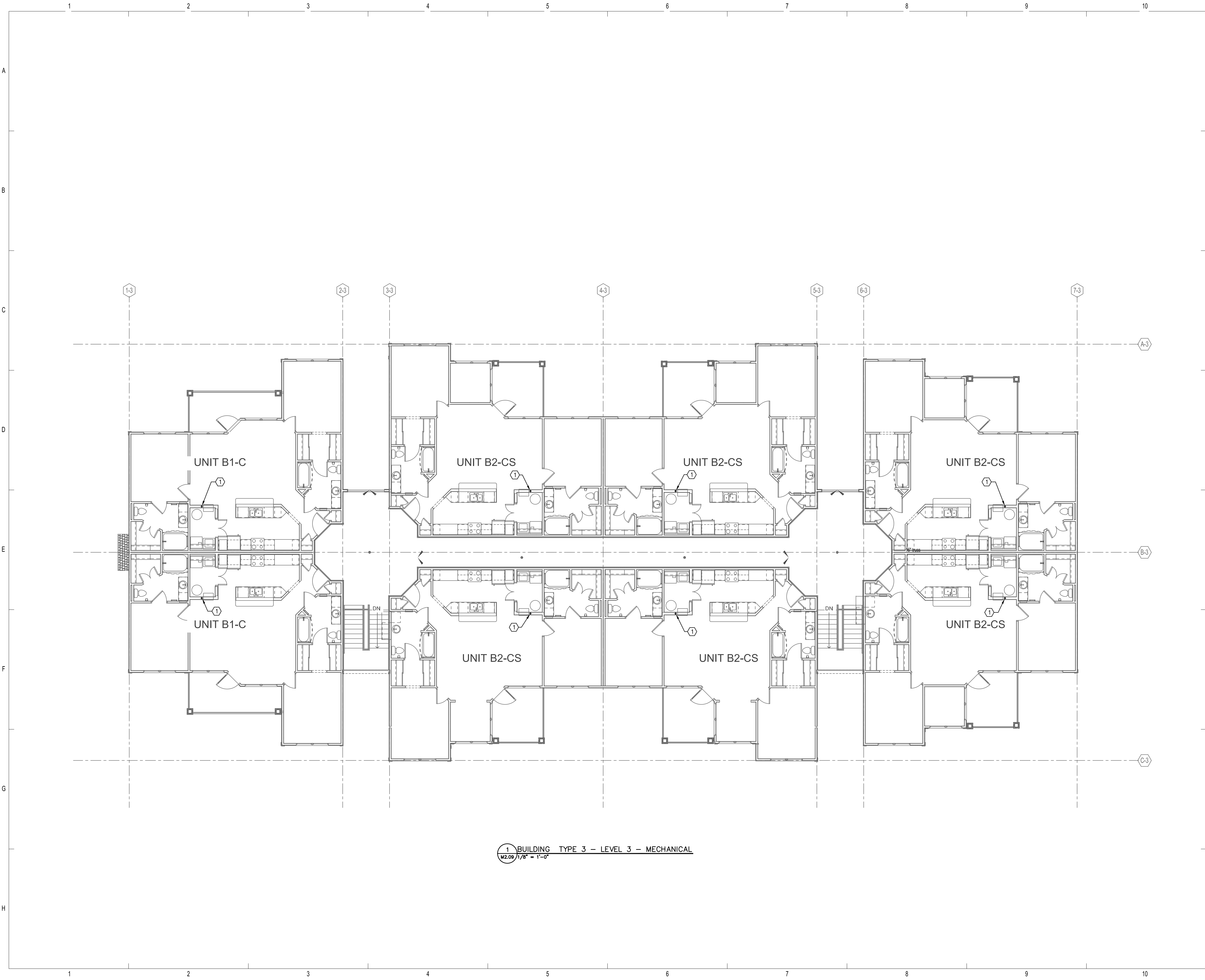
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 3 - LEVEL 2 - MECHANICAL

M2.08



① BUILDING TYPE 3 - LEVEL 2 - MECHANICAL
M2.08 1/8" = 1'-0"



GENERAL NOTES

1. REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
2. REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- ① 2" CONDENSATE INSULATED DRAIN RISER.

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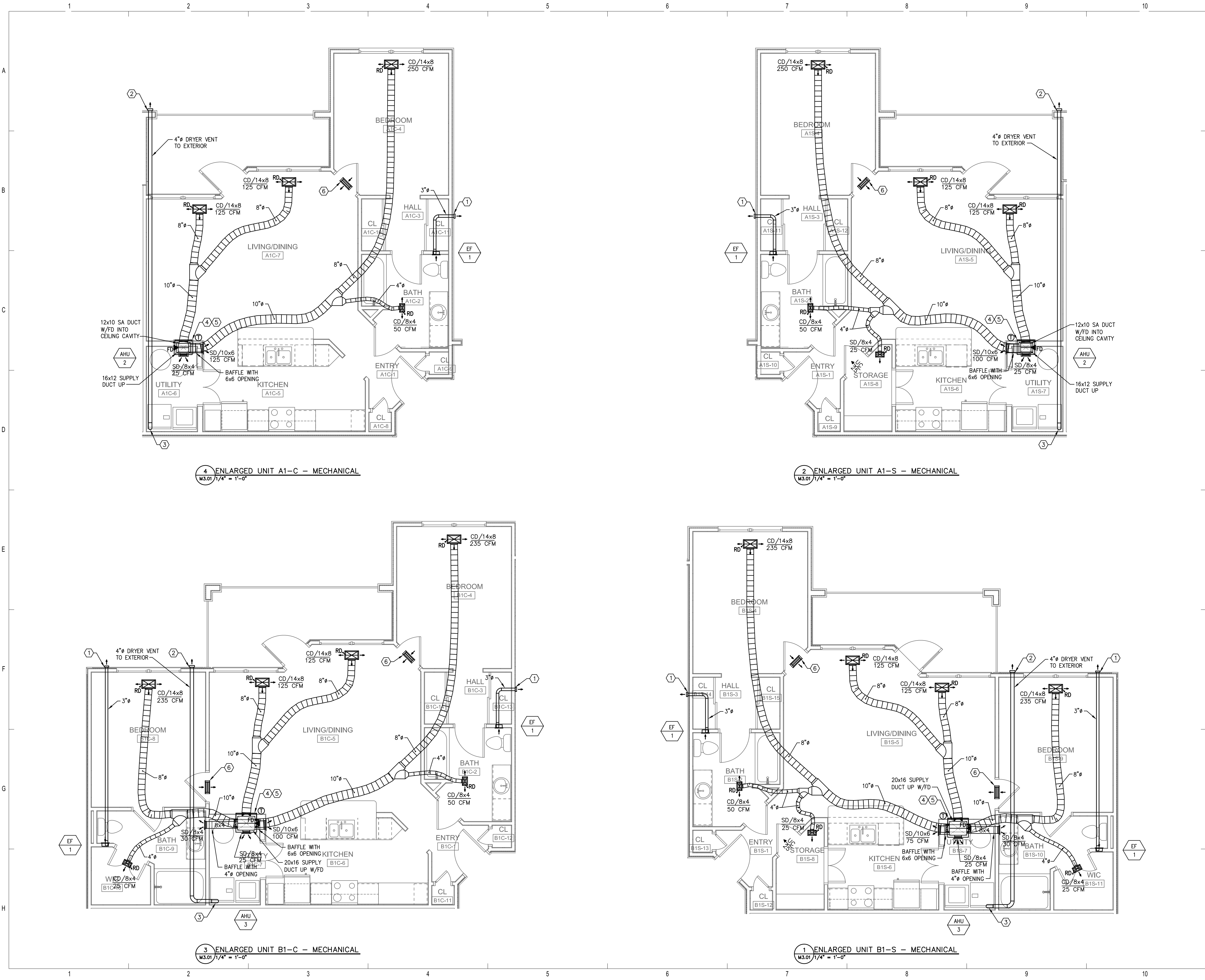
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400

BUILDING TYPE 3 - LEVEL 3 - MECHANICAL
M2.09





4 ENLARGED UNIT A1-C - MECHANICAL
M3.01 1/4" = 1'-0"

2 ENLARGED UNIT A1-S - MECHANICAL
M3.01 1/4" = 1'-0"

3 ENLARGED UNIT B1-C - MECHANICAL
M3.01 1/4" = 1'-0"

1 ENLARGED UNIT B1-S - MECHANICAL
M3.01 1/4" = 1'-0"

GENERAL NOTES

- REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
- REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- INSTALL 3" RIGID METAL EXHAUST DUCT (MIN 26-GAUGE) WITH EXHAUST FAN MANUFACTURER'S STANDARD HOODED WALL CAP WITH BACKDRAFT DAMPER. DUCT SHALL PENETRATE AND BE ROUTED ABOVE THE FIRE-RATED CEILING ASSEMBLY. PENETRATION SHALL BE SEALED TO MAINTAIN THE INTEGRITY OF THE FIRE-RATED ASSEMBLY. PRIME AND PAINT WALL CAP TO MATCH BUILDING COLOR.
- INSTALL 4" RIGID METAL DRYER VENT (MIN 26-GAUGE). USE NO SCREWS. THE EXHAUST DUCT SHALL TERMINATE WITH 4" OPENING. WALL CAP SHALL HAVE BACKDRAFT DAMPER AND NO SCREEN. DUCT SHALL PENETRATE AND BE ROUTED ABOVE THE FIRE-RATED CEILING ASSEMBLY. PENETRATION SHALL BE SEALED TO MAINTAIN THE INTEGRITY OF THE FIRE-RATED ASSEMBLY. PRIME AND PAINT WALL CAP TO MATCH BUILDING COLOR.
- EXTEND GALVANIZED STEEL DRYER VENT DOWN 6" BELOW CEILING FOR FLEXIBLE CONNECTION TO DRYER. OWNER INSTALLED DRYER SHALL BE APPROVED FOR USE WITH AN EXHAUST DUCT SYSTEM WITH A TOTAL DEVELOPED LENGTH OF 35'-0" OR GREATER. IF DRYER DOES NOT MEET THIS CONDITION, INSTALL A DRYER BOOSTER FAN WITH A SECONDARY LINT TRAP, ACCESS DOOR, AND LABEL IF THE BOOSTER FAN/LINT TRAP IS CONCEALED.
- 3/4" CONDENSATE DRAIN LINE ROUTED TO 2" RISER CONCEALED WITHIN INTERIOR WALL. ROUTE CONCEALED AND TERMINATE AT DRYWELL. INSULATE ALL ABOVE GRADE CONDENSATE WITH CLOSED CELL ELASTOMERIC INSULATION.
- CONTRACTOR SHALL ROUTE REFRIGERANT LINES AND CONTROL WIRING DOWN CONCEALED IN THE EXTERIOR WALL AND PENETRATE 12"-18" ABOVE GRADE. PROVIDE FLASHED SHEET METAL SHROUD OVER PENETRATION AND SEAL WEATHER-TIGHT. CONTINUE ABOVE GRADE TO HEAT PUMP. PRIME AND PAINT SHROUD TO MATCH BUILDING COLOR.
- TWO (2) TG TRANSFER GRILLES. REFER TO DETAIL ON M6.01 FOR TRANSFER GRILLE DETAIL.
- THIRD FLOOR ONLY - DRYER VENT SHALL TERMINATE ABOVE ROOF DIRECTLY ABOVE DRYER LOCATION WITH AN APPROVED ROOF CAP. PRIME AND PAINT ROOF CAP TO MATCH ROOF.
- THIRD FLOOR ONLY - TOILET EXHAUST SHALL TERMINATE DIRECTLY ABOVE EXHAUST FAN WITH AN APPROVED ROOF CAP. PRIME AND PAINT ROOF CAP TO MATCH ROOF.

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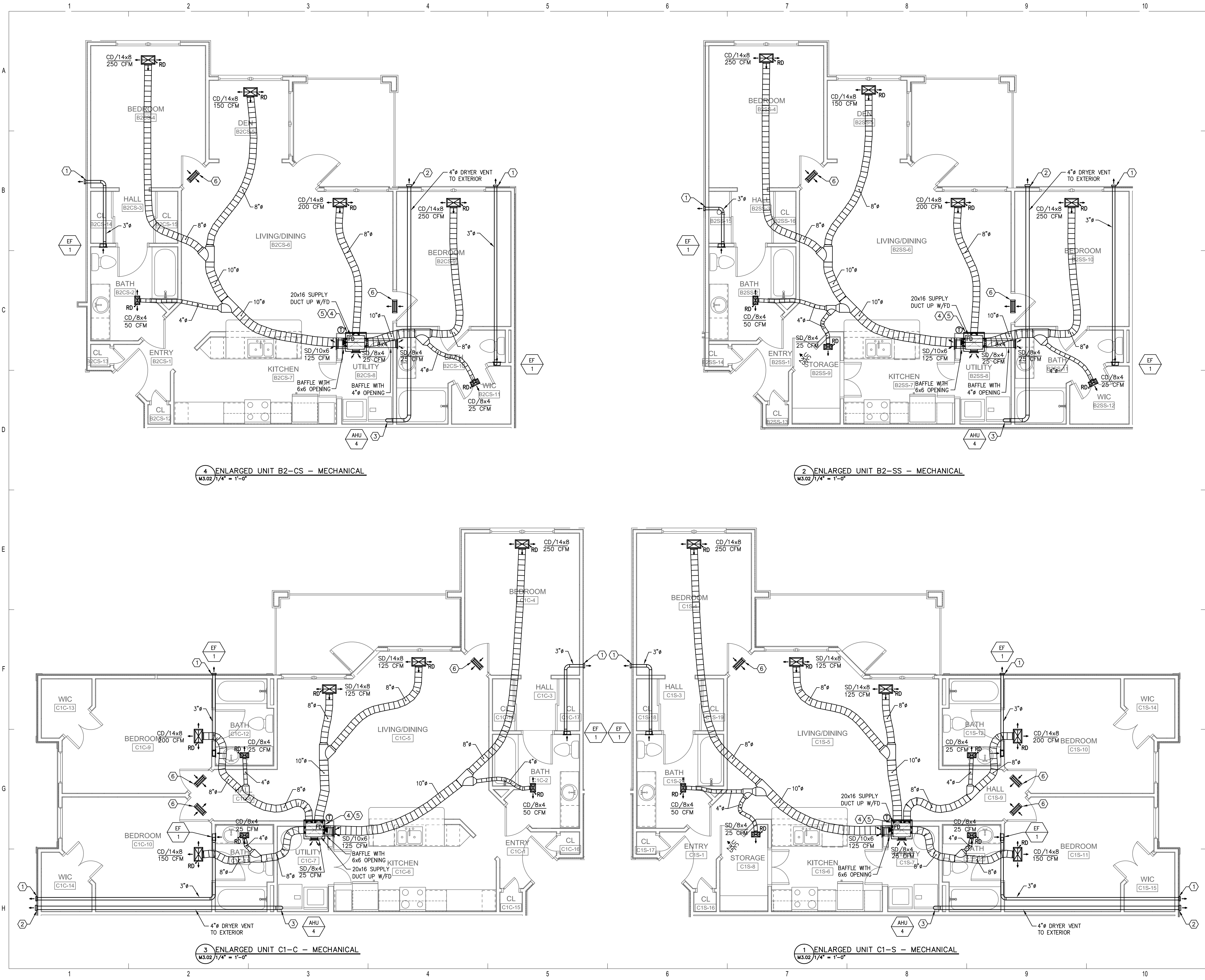
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

ENLARGED PLANS - MECHANICAL M3.01

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400

STATE OF TENNESSEE
KYLE J. CARTIER
Professional Engineer
No. 1111364
Exp. 12/31/16

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4 ENLARGED UNIT B2-CS - MECHANICAL
M3.02 1/4" = 1'-0"

2 ENLARGED UNIT B2-SS - MECHANICAL
M3.02 1/4" = 1'-0"

3 ENLARGED UNIT C1-C - MECHANICAL
M3.02 1/4" = 1'-0"

1 ENLARGED UNIT C1-S - MECHANICAL
M3.02 1/4" = 1'-0"

GENERAL NOTES

- REFER TO SHEET M0.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
- REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- INSTALL 3" RIGID METAL EXHAUST DUCT (MIN 26-GAUGE) WITH EXHAUST FAN MANUFACTURER'S STANDARD HOODED WALL CAP WITH BACKDRAFT DAMPER. DUCT SHALL PENETRATE AND BE ROUTED ABOVE THE FIRE-RATED CEILING ASSEMBLY. PENETRATION SHALL BE SEALED TO MAINTAIN THE INTEGRITY OF THE FIRE-RATED ASSEMBLY. PRIME AND PAINT WALL CAP TO MATCH BUILDING COLOR.
- INSTALL 4" RIGID METAL DRYER VENT (MIN 26-GAUGE). USE NO SCREWS. THE EXHAUST DUCT SHALL TERMINATE WITH 4" OPENING. WALL CAP SHALL HAVE BACKDRAFT DAMPER AND NO SCREEN. DUCT SHALL PENETRATE AND BE ROUTED ABOVE THE FIRE-RATED CEILING ASSEMBLY. PENETRATION SHALL BE SEALED TO MAINTAIN THE INTEGRITY OF THE FIRE-RATED ASSEMBLY. PRIME AND PAINT WALL CAP TO MATCH BUILDING COLOR.
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- 3/4" CONDENSATE DRAIN LINE ROUTED TO 2" RISER CONCEALED WITHIN INTERIOR WALL. ROUTE CONCEALED AND TERMINATE AT DRYWELL. INSULATE ALL ABOVE GRADE CONDENSATE WITH CLOSED CELL ELASTOMERIC INSULATION.
- CONTRACTOR SHALL ROUTE REFRIGERANT LINES AND CONTROL WIRING DOWN CONCEALED IN THE EXTERIOR WALL AND PENETRATE 12"-18" ABOVE GRADE. PROVIDE FLASHED SHEET METAL SHROUD OVER PENETRATION AND SEAL WEATHER-TIGHT. CONTINUE ABOVE GRADE TO HEAT PUMP. PRIME AND PAINT SHROUD TO MATCH BUILDING COLOR.
- TWO (2) TG TRANSFER GRILLES. REFER TO DETAIL ON M6.01 FOR TRANSFER GRILLE DETAIL.
- THIRD FLOOR ONLY - DRYER VENT SHALL TERMINATE ABOVE ROOF DIRECTLY ABOVE DRYER LOCATION WITH AN APPROVED ROOF CAP. PRIME AND PAINT ROOF CAP TO MATCH ROOF.
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

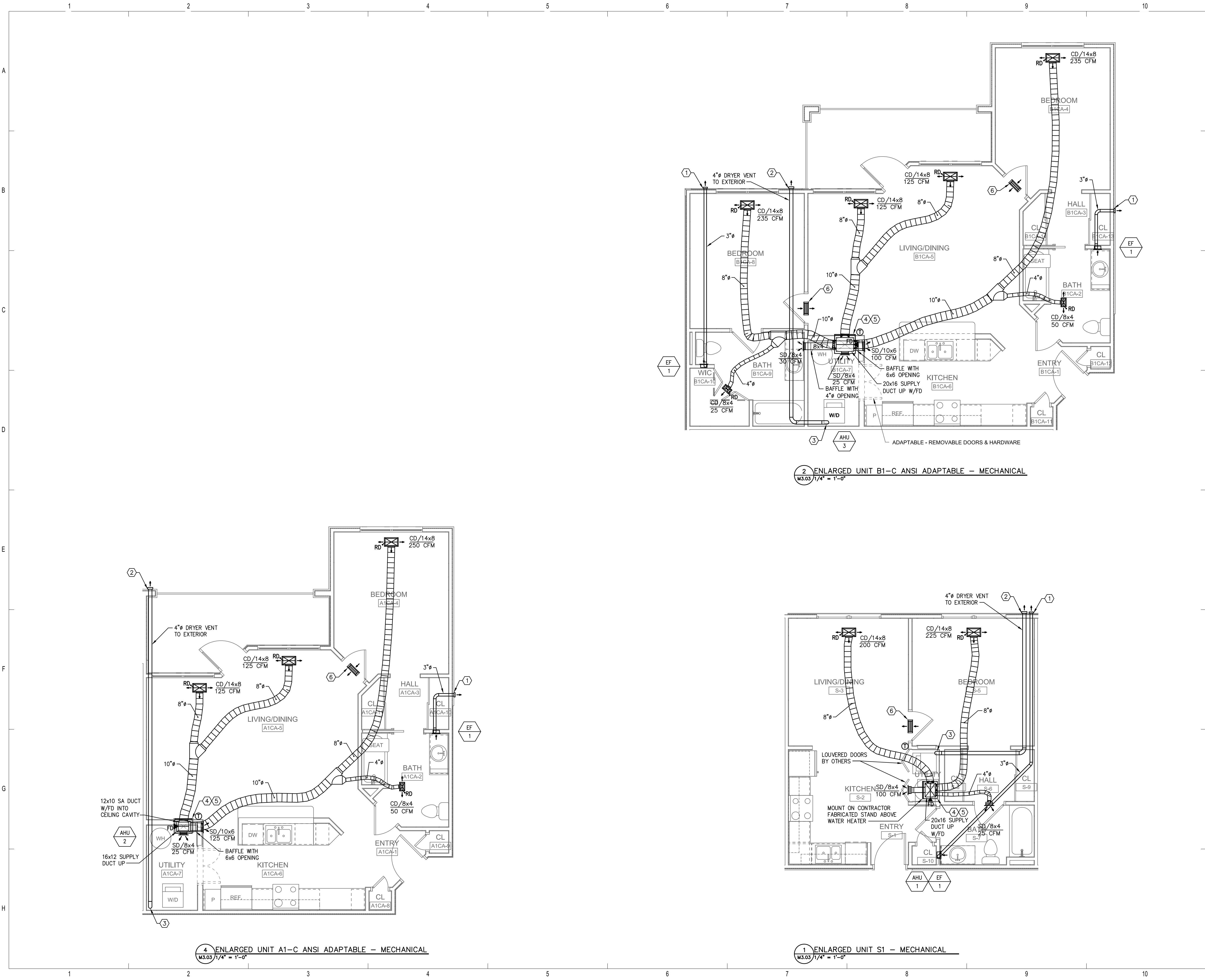
ENLARGED PLANS - MECHANICAL

M3.02

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166.400

STATE OF TENNESSEE
KYLE J. CARTER
P.E. 111384

PLOTTED: 08/20/13
3:46:03 PM



GENERAL NOTES

- REFER TO SHEET M6.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
- REFER TO DETAILS ON M6.01.

REFERENCE NOTES

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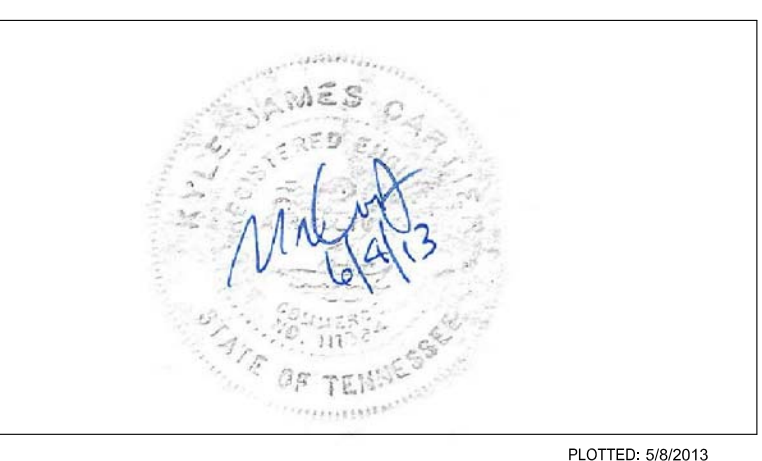


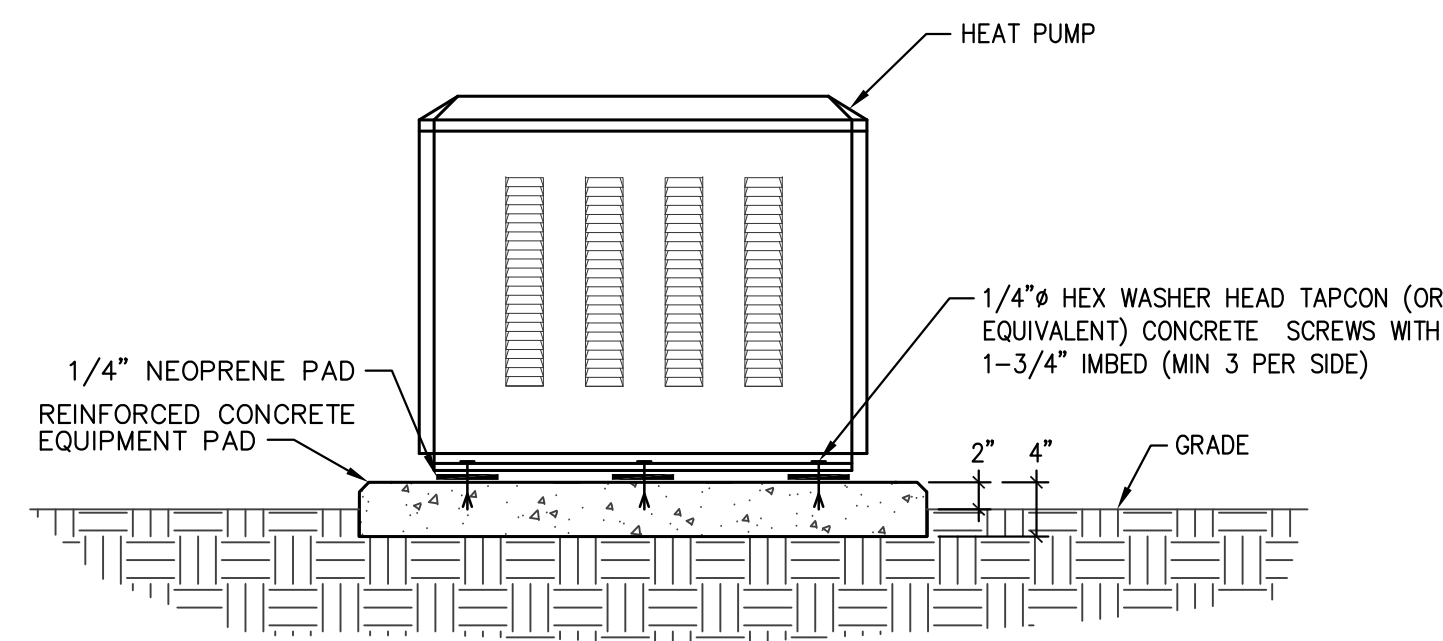
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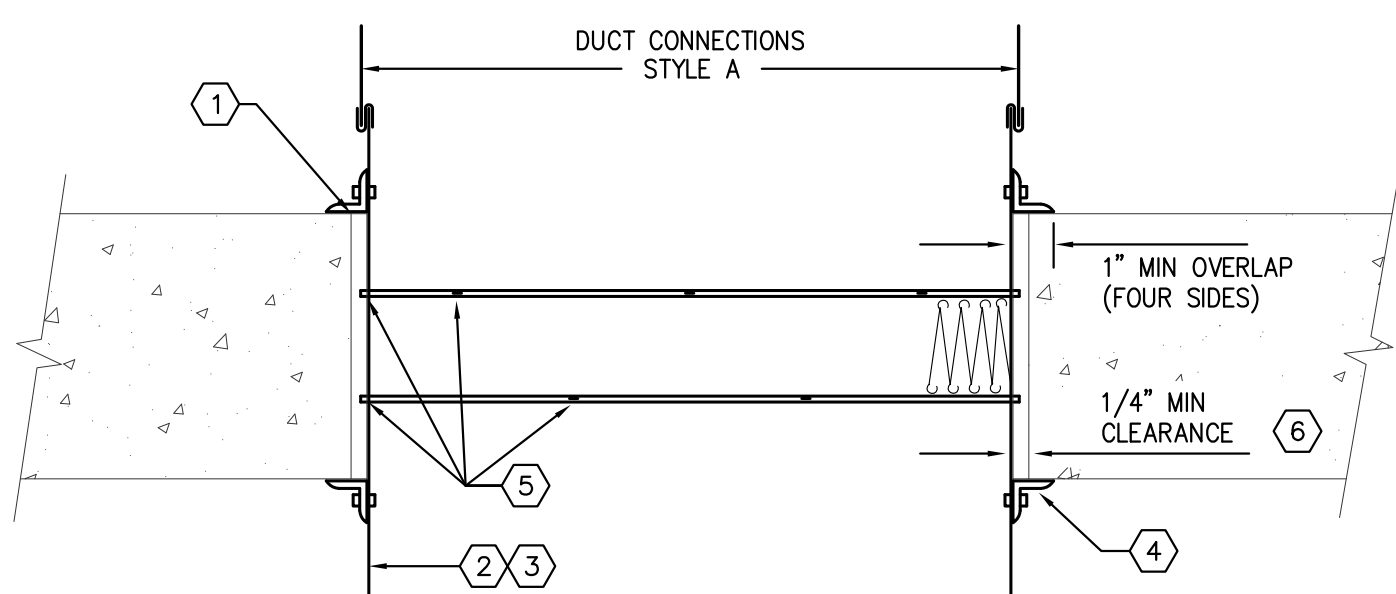
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

ENLARGED PLANS - MECHANICAL M3.03





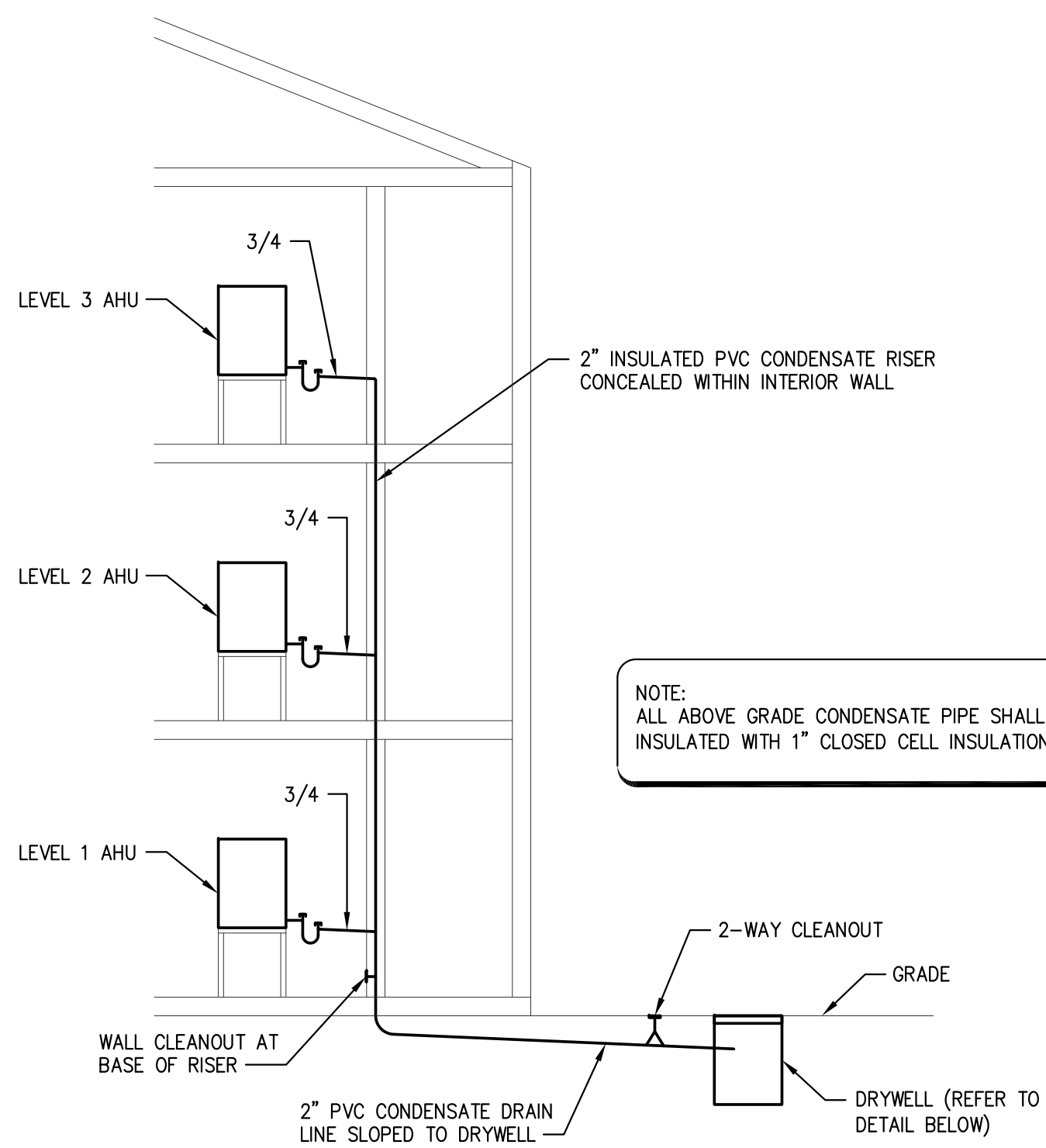
7 HEAT PUMP INSTALLATION DETAIL
M6.01 NOT TO SCALE



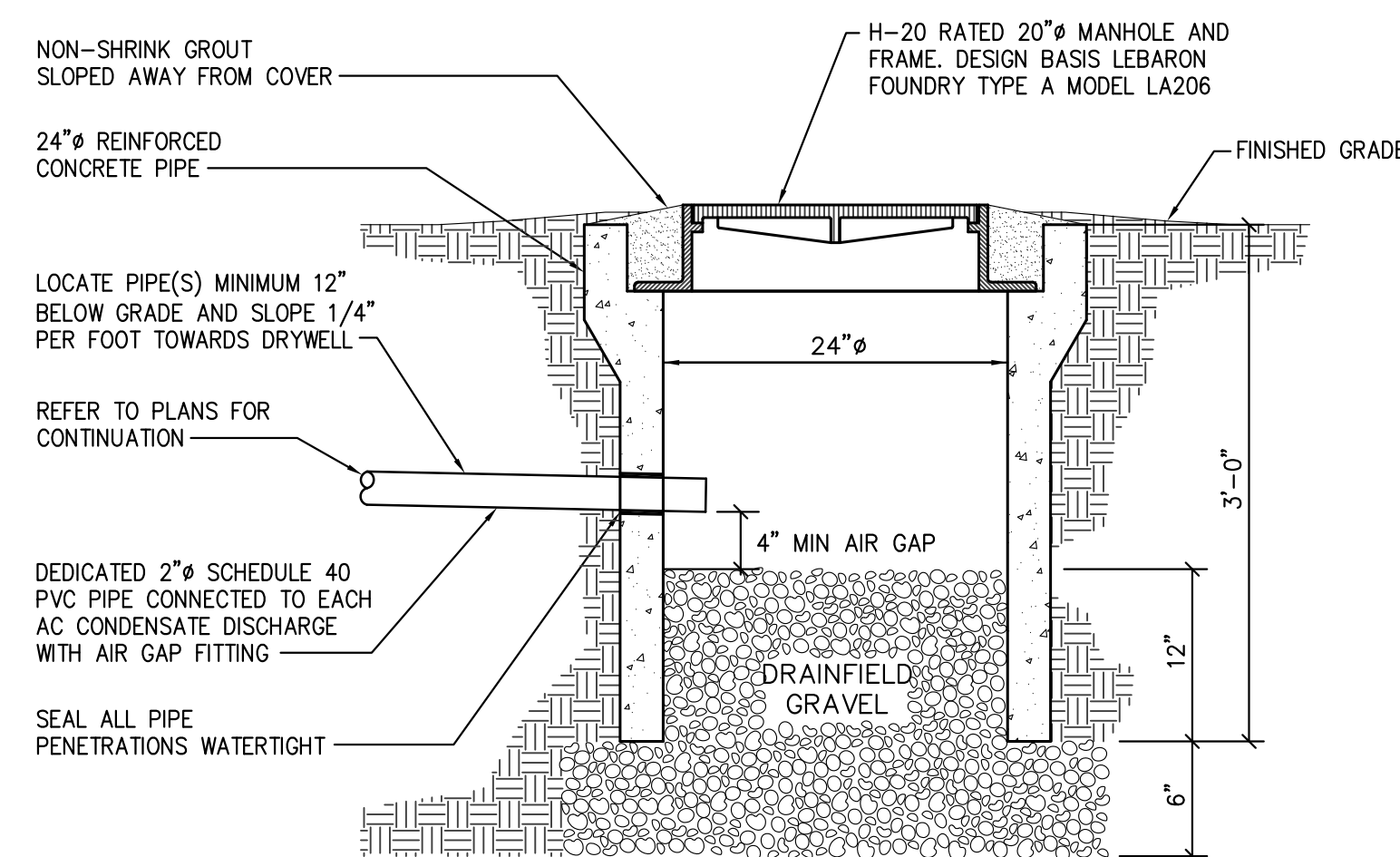
NOTES:

- 1 OPENING IN FLOOR SHALL BE A MINIMUM 1/8" PER FOOT LARGER THAN OVERALL SIZE OF DAMPER AND SLEEVE ASSEMBLY FOR GALVANIZED STEEL DAMPERS. MAXIMUM OPENING NOT TO EXCEED 1/8" PER FOOT PLUS ONE INCH FOR GALVANIZED STEEL DAMPERS. OPENING SHALL NOT BE LESS THAN 1/4" LARGER FOR ANY SIZE DAMPER AND SLEEVE ASSEMBLY.
- 2 SLEEVE GAGE SHALL BE AT LEAST EQUAL TO THE GAGE OF THE DUCT AS DEFINED BY THE APPROPRIATE SMOGNA DUCT CONSTRUCTION STANDARD AND DESCRIBED IN NFPA 90A WHEN ONE OR MORE OF THE FOLLOWING DUCT-SLEEVE CONNECTIONS ARE USED (PLAIN "S" SLIP, HEMMED "S" SLIP, STANDING "S" SLIP, REINFORCED STANDING "S" SLIP, INSIDE SLIP JOINT, AND DOUBLE "S" SLIP.)
- 3 IF ANY OTHER DUCT SLEEVE CONNECTIONS ARE USED, SLEEVE SHALL BE MINIMUM OF 16 GAGE FOR DAMPERS UP TO 36"W x 24"H AND 14 GAGE IF DAMPER WIDTH EXCEEDS 36" OR HEIGHT EXCEEDS 24"
- 4 MOUNTING ANGLES SHALL BE A MINIMUM OF 1-1/2" x 1-1/2" x 1/4" GAGE AND FASTENED WITH 1/4" - 20 BOLT, 1/2" LONG WELDS, 3/16" RIVETS, OR NO. 10 SCREWS TO SLEEVE AT A MAXIMUM SPACING OF 6" FOR STAINLESS STEEL AND GALVANIZED WITH A MINIMUM OF TWO CONNECTIONS IN EACH SIDE, TOP, AND BOTTOM (SEE ILLUSTRATION). MOUNTING ANGLES FOR GALVANIZED DAMPERS 50"W x 60"H OR 60"W x 50"H AND LESS CAN BE A MINIMUM OF 1-1/2" x 1-1/2" x 1/4" GAGE. MAXIMUM FASTENER SPACING FOR 16 GAGE MOUNTING ANGLES IS 6" CENTER TO CENTER FOR HORIZONTAL INSTALLATION. MOUNTING ANGLES SHALL OVERLAP WALL A MINIMUM OF ONE INCH.
- 5 WHEN MULTIPLE DAMPER ASSEMBLIES ARE JOINED OR FASTENING DAMPER TO SLEEVE, DAMPERS SHALL BE FASTENED WITH 1/4" - 20 BOLTS, 3/16" RIVETS, OR WITH 1/2" LG. WELDS STAGGERED INTERMITTENTLY AND SPACED 6" MAXIMUM C-C.
- 6 THE STEEL PLATE MULLION SHALL BE SANDWICHED BETWEEN DAMPER FRAMES WITH 1/2" LONG WELDS STAGGERED INTERMITTENTLY SPACED 6" ON CENTER. THE MULLION PLATE BETWEEN THE DAMPERS SHALL BE A 1/4" GAGE x 4-1/2" WIDE STEEL PLATE OF THE SAME MATERIAL AS DAMPER. LENGTH SHALL BE EQUAL TO LENGTH (PERPENDICULAR TO BLADE) OF TWO OR MORE ADJOINING DAMPERS. FOR STAINLESS STEEL UNITS EXCEEDING 60" x 60", THE LENGTH OF THE MULLION PLATE SHALL BE EQUAL TO THE WIDTH (PARALLEL TO BLADE) OF TWO OR MORE ADJOINING DAMPERS. MULLIONS ARE NOT REQUIRED FOR ASSEMBLIES CONSISTING OF TWO DAMPERS ATTACHED END-TO-END OR UP TO THREE DAMPERS ATTACHED SIDE-TO-SIDE.

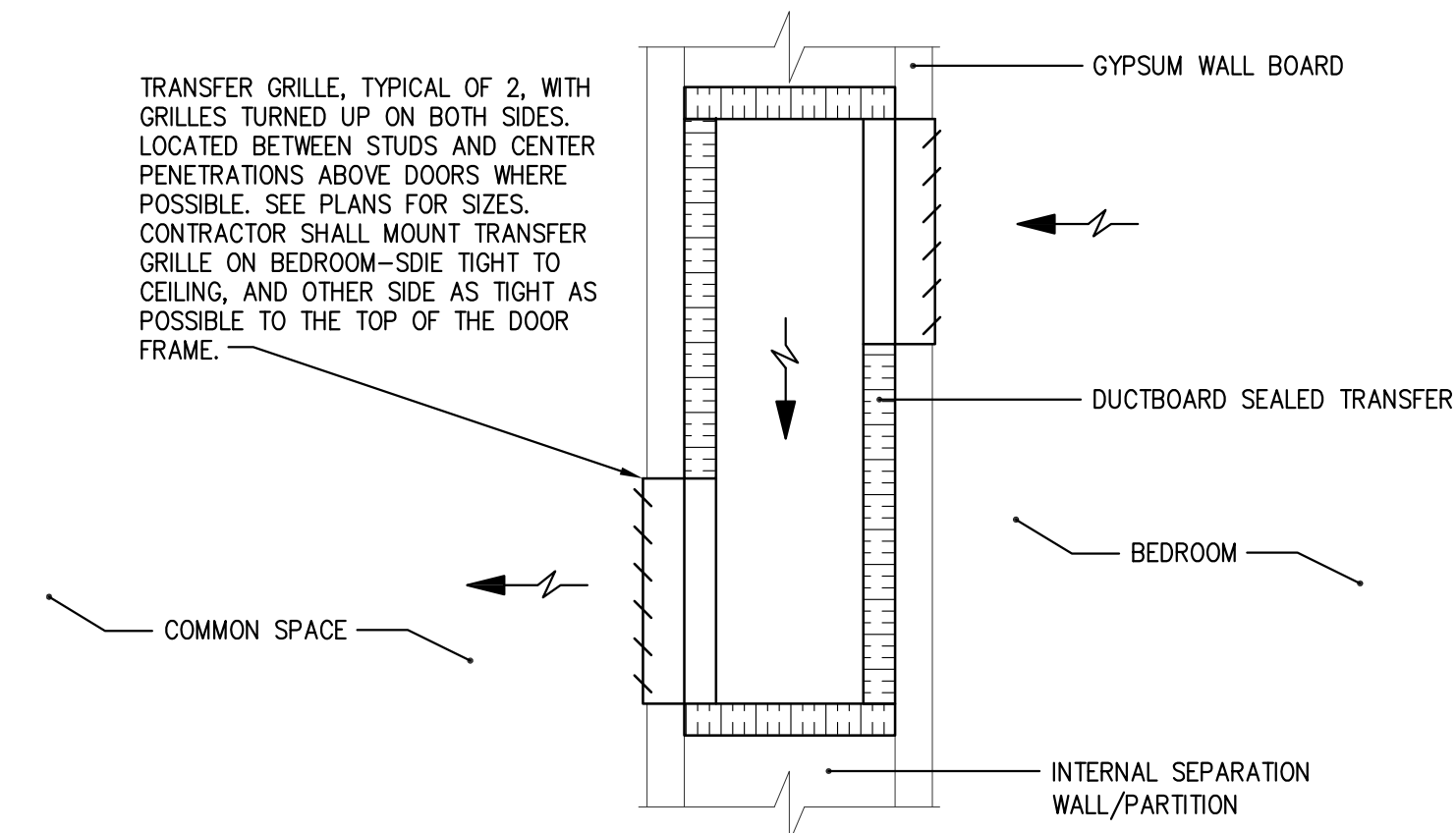
6 HORIZONTAL FIRE DAMPER ASSEMBLY
M6.01 NOT TO SCALE



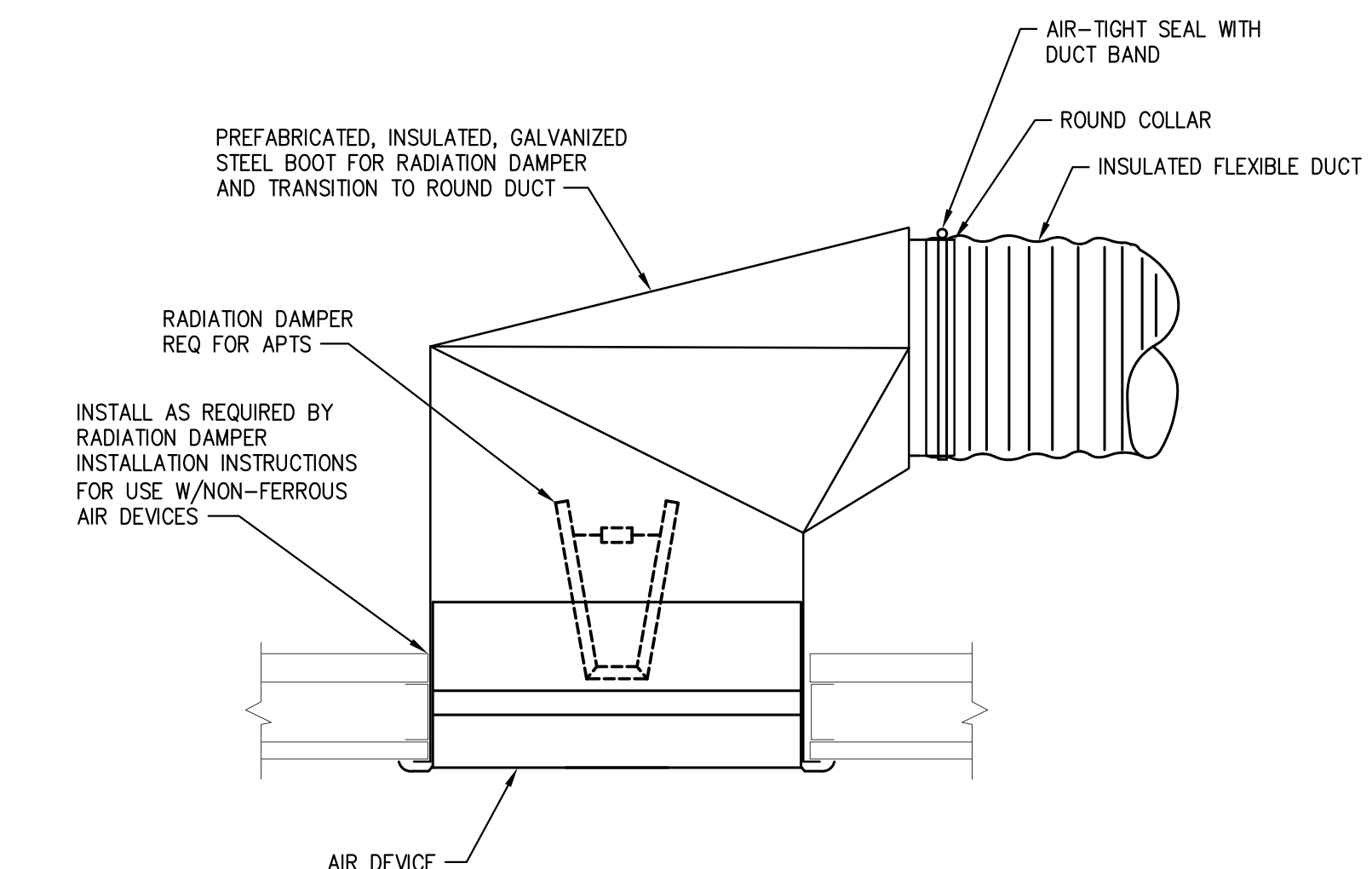
5 TYPICAL CONDENSATE RISER SCHEMATIC
M6.01 NOT TO SCALE



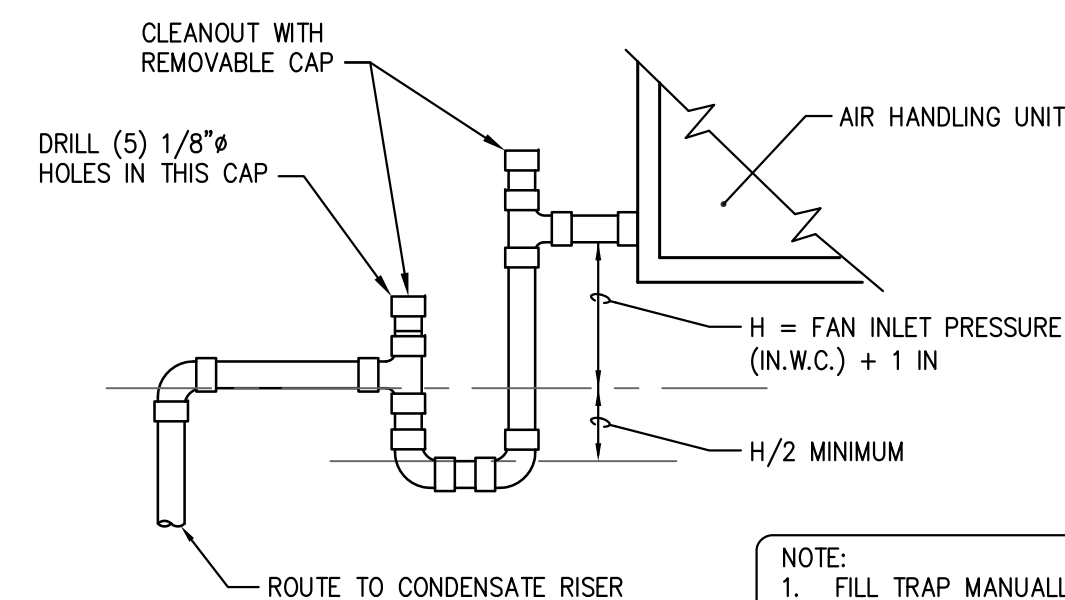
4 TYPICAL DRYWELL DETAIL
M6.01 NOT TO SCALE



3 TRANSFER AIR GRILLE - SECTION VIEW
M6.01 NOT TO SCALE



2 TYPICAL FLEXIBLE DUCT TO AIR DEVICE
M6.01 NOT TO SCALE



1 TYPICAL CONDENSATE DRAIN
M6.01 NOT TO SCALE

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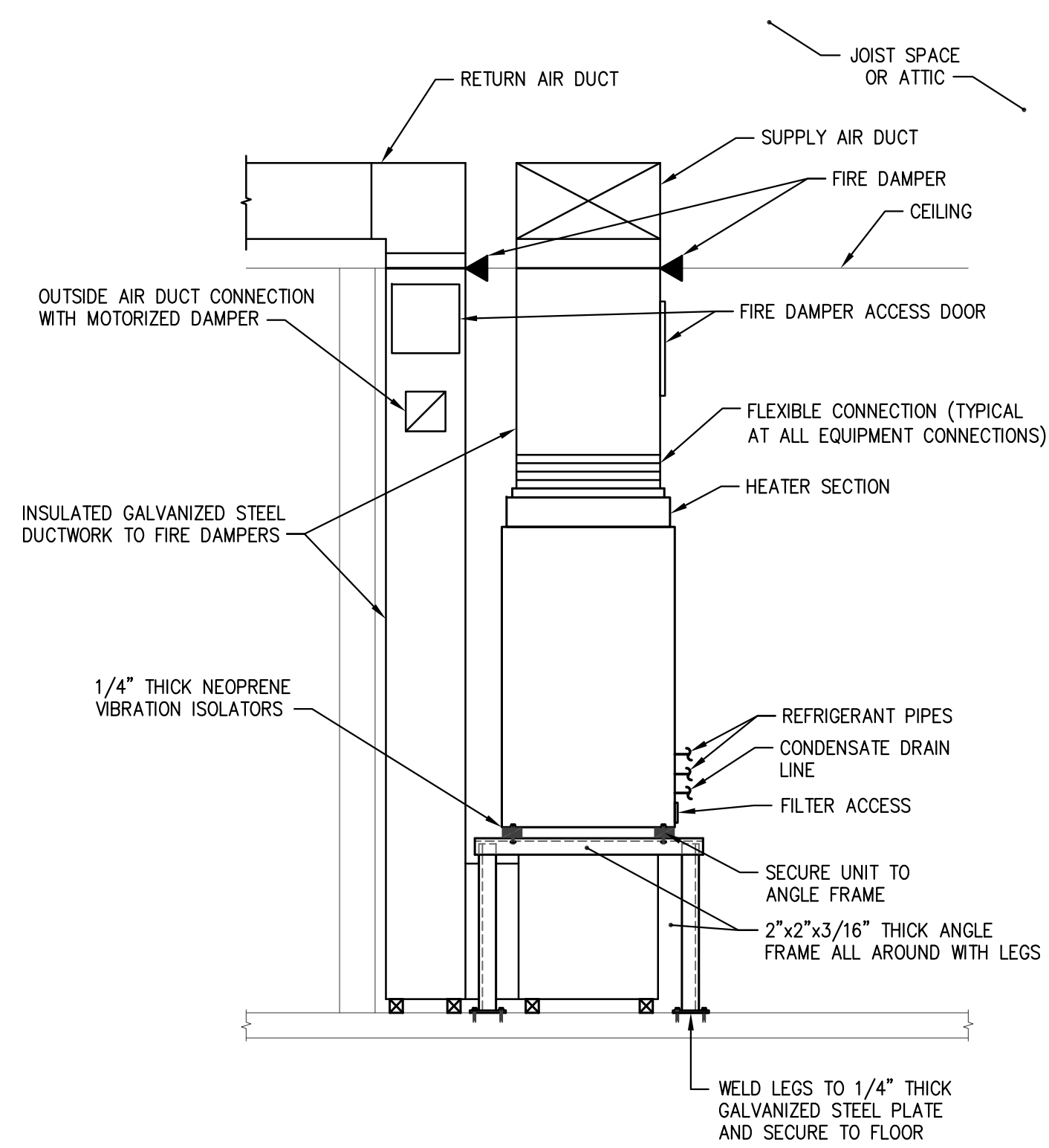
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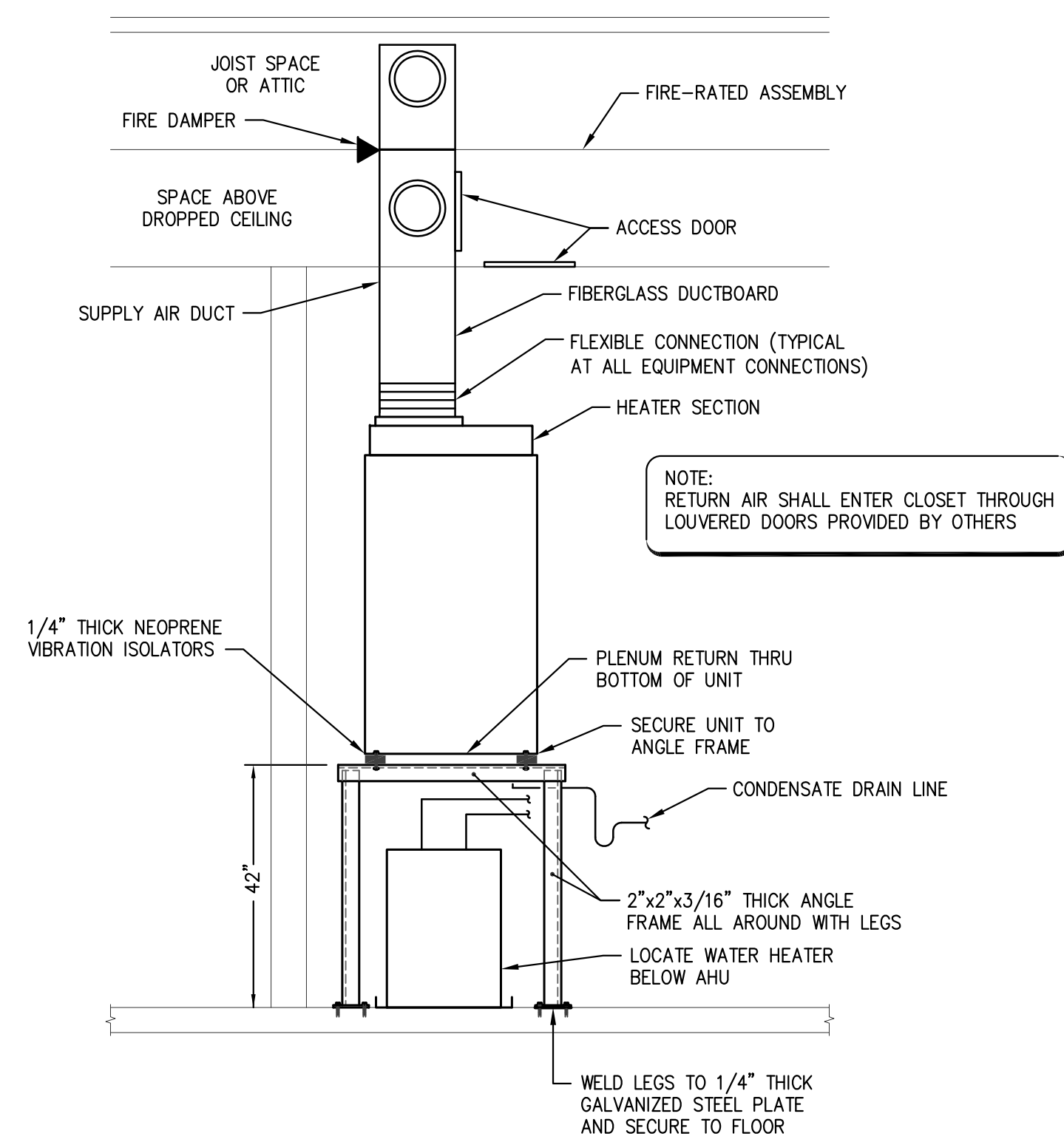
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
DETAILS - MECHANICAL
M6.01

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400





2 CLUBHOUSE AHU SUPPORT DETAIL
M6.02 NOT TO SCALE



1 UNIT S1 AHU SUPPORT DETAIL
M6.02 NOT TO SCALE

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT ISSUE
REVISION HISTORY		
No.	Date	Description



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Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166.400

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
DETAILS - MECHANICAL M6.02



LIGHTING		
	2'x2' FLUORESCENT LIGHT FIXTURE, CEILING MOUNTED.	f
	2'x4' FLUORESCENT LIGHT FIXTURE, CEILING MOUNTED.	f
	1'x4' FLUORESCENT LIGHT FIXTURE, CEILING MOUNTED.	f
	FLUORESCENT LIGHT FIXTURE, WALL MOUNTED.	f
	FLUORESCENT STRIP LIGHT FIXTURE, SURFACE MOUNTED.	f
	DOWNLIGHT FIXTURE WITH CEILING OUTLET BOX.	f
	WALL MOUNTED LIGHT FIXTURE WITH WALL OUTLET BOX.	f
	WALL WASH LIGHTING FIXTURE WITH CEILING OUTLET BOX.	f
	EMERGENCY BATTERY UNIT EQUIPMENT LIGHT FIXTURE WITH WALL OUTLET BOX. TRIANGLES INDENTIFY NUMBER OF FIXTURE HEADS, U.O.N. (R) = INDICATES REMOTE HEAD FIXTURES FEED FROM MASTER BATTERY UNIT. CONNECT TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES	f
	EXIT SIGN LIGHT FIXTURE WITH CEILING OUTLET BOX AND EMERGENCY BATTERY. SHADING INDICATES NUMBER OF FACES AND ORIENTATION, ARROWS. CONNECT TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES	f
	EXIT SIGN LIGHT FIXTURE WITH WALL OUTLET BOX AND EMERGENCY BATTERY. SHADING INDICATES NUMBER OF FACES AND ORIENTATION, ARROWS. CONNECT TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES	f
	POLE WITH MOUNTING ARM AND CUT-OFF LIGHT FIXTURE. BOXES INDICATE NUMBER OF FIXTURES AND ORIENTATION. "NL" INDICATES FIXTURE HEAD CONNECTED TO "NIGHT LIGHT" CIRCUIT. (PHOTOCEL ON, PHOTOCCELL OFF)	
	POLE WITH POST TOP LIGHT FIXTURE.	
	BOLLARD LIGHT FIXTURE	
	FAÇADE OR GRADE MOUNTED LANDSCAPE ACCENT LIGHT FIXTURE WITH WEATHERPROOF OUTLET BOX. TRIANGLE INDICATES NUMBER OF FIXTURES AND ORIENTATION.	
	CEILING OUTLET BOX, LIGHTING TRACK, AND FIXTURES. PROVIDE TRACK HEAD FIXTURE QUANTITY AS INDICATED ON PLANS UNLESS OTHERWISE NOTED.	f
	CEILING OUTLET BOX AND PADDLE FAN. INSTALL FAN PER MANUFACTURERS' RECOMMENDATIONS.	e, f
	SINGLE POLE SWITCH WITH FLUSH WALL OUTLET BOX. ("o" INDICATES SWITCH-LEG)	b, f
	DOUBLE POLE SWITCH WITH FLUSH WALL OUTLET BOX.	b, f
	THREE-WAY SWITCH WITH FLUSH WALL OUTLET BOX.	b, f
	FOUR-WAY SWITCH WITH FLUSH WALL OUTLET BOX.	b, f
	FAN CONTROL SWITCH, MINIMUM 3 SPEED SOLID STATE, WITH FLUSH WALL OUTLET BOX.	b, f
	SINGLE POLE KEY SWITCH WITH FLUSH WALL OUTLET BOX.	b, f
	SINGLE POLE SWITCH WITH FLUSH WALL OUTLET BOX AND STAINLESS STEEL WEATHERPROOF COVER.	b, f
	SINGLE POLE SWITCH AND DIE-CAST ALUMINUM, SURFACE MOUNTED OUTLET BOX WITH COPPER FREE CAST ALUMINUM WEATHERPROOF COVER.	b, f, g, h
	SINGLE POLE OCCUPANCY SENSOR SWITCH WITH WALL OUTLET BOX. DUAL TECHNOLOGY SENSOR WITH PASSIVE INFRARED/SOUND SENSOR TYPE, MANUFACTURED BY SENSOR SWITCH, INC. MODEL #WSD-PDT OR EQUIVALENT. LOAD RATING = 800W @ 120VAC, 1200W @ 277VAC	b
	SINGLE POLE OCCUPANCY SENSOR SWITCH WITH CEILING OUTLET BOX. DUAL TECHNOLOGY SENSOR WITH PASSIVE INFRARED/SOUND SENSOR TYPE, MANUFACTURED BY SENSOR SWITCH, INC. MODEL #CMR-PDT OR EQUIVALENT. LOAD RATING = 800W @ 120VAC, 1200W @ 277VAC	b
	DIMMER SWITCH AND WALL OUTLET BOX, AS NOTED ON PLANS.	b, f
	PHOTOCELL (MATCH COIL VOLTAGE AS REQUIRED)	
	TIME SWITCH, ASTRONOMIC WITH RESERVE BATTERY, 30A CONTACTS AND COIL VOLTAGE AS REQUIRED FOR CIRCUITS, UNLESS OTHERWISE NOTED.	j

POWER		
	SINGLE RECEPTACLE WITH FLUSH WALL OUTLET BOX.	a, f
	DUPLEX RECEPTACLE WITH FLUSH WALL OUTLET BOX.	a, f
	DOUBLE DUPLEX RECEPTACLE WITH TWO-GANG FLUSH WALL OUTLET BOX.	a, f
	DUPLEX RECEPTACLE, TOP HALF SWITCHED WITH FLUSH WALL OUTLET BOX.	a, f
	DUPLEX RECEPTACLE MOUNTED 2" ABOVE COUNTER BACKSPLASH WITH FLUSH WALL OUTLET BOX.	f
	GFI DUPLEX RECEPTACLE WITH FLUSH WALL OUTLET BOX.	a, f
	GFI DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER BACKSPLASH WITH FLUSH WALL OUTLET BOX.	f
	WEATHERPROOF GFI DUPLEX RECEPTACLE WITH FLUSH WALL OUTLET BOX AND STAINLESS STEEL WEATHERPROOF COVER.	a, f
	WEATHERPROOF GFI DUPLEX RECEPTACLE AND DIE-CAST ALUMINUM, SURFACE MTD. OUTLET BOX WITH COPPER FREE CAST ALUMINUM WEATHERPROOF COVER.	a, f, g, h
	GFI DUPLEX RECEPTACLE WITH WALL OUTLET BOX FOR ELECTRIC WATER COOLER. COORDINATE CONCEALMENT WITH EWC INSTALLER FOR MOUNTING REQUIREMENTS.	f
	DUPLEX RECEPTACLE WITH FLUSH CEILING OUTLET BOX.	e, f
	SPECIAL PURPOSE RECEPTACLE, AS NOTED ON PLANS, WITH FLUSH WALL OUTLET BOX.	a, f
	FLUSH WALL OUTLET BOX AND 30A, 125/250V, 3P, 4W, NEMA 14-30R RECEPTACLE.	a, f
	FLUSH WALL OUTLET BOX AND 50A, 125/250V, 3P, 4W, NEMA 14-50R RECEPTACLE.	a, f
	CAST IRON FULLY ADJUSTABLE FLOOR OUTLET BOX AND (1) 20 AMP DUPLEX RECEPTACLE WITH CARPET OR TILE FLANGE (PROVIDE SPECIAL RECEPTACLES, I.E. ISOLATED GROUND TYPE WHERE NOTED)	f
	CAST IRON FULLY ADJUSTABLE TWO-GANG FLOOR OUTLET BOX WITH (1) 20 AMP DUPLEX RECEPTACLE AND (1) TELECOMMUNICATIONS BLANK OUTLET WITH (1) 3/4" C. TO TTC (UNLESS OTHERWISE NOTED). PROVIDE CARPET OR TILE FLANGE.	d, f
	SURFACE MOUNTED JUNCTION BOX AND BLANK PLATE, WALL MTD. OR MTD. TO CEILING/STRUCTURE AS INDICATED.	e, f, h, i
	SURFACE MOUNTED WEATHERPROOF JUNCTION BOX AND BLANK PLATE, WALL MTD. OR MTD. TO CEILING/STRUCTURE AS INDICATED.	f, h, i
	JUNCTION BOX AND BLANK PLATE, ABOVE CEILING.	e, f
	FLUSH CEILING JUNCTION BOX AND BLANK PLATE.	e, f
	FLUSH WALL JUNCTION BOX AND BLANK PLATE.	f
	DIE-CAST ALUMINUM, SURFACE MOUNTED OUTLET BOX AND BLANK PLATE, AS NOTED ON PLANS.	f, g, h, i
	DIE-CAST ALUMINUM, SURFACE MOUNTED OUTLET BOX AND WEATHERPROOF BLANK PLATE, AS NOTED ON PLANS.	f, g, h, i
	FLUSH SHUNT-TRIP BUTTON, LOCATE AND LABEL IN ACCORDANCE WITH A.H.J., MOUNTED 54" TO TOP, UNLESS OTHERWISE NOTED.	f
	MOTOR, AS NOTED.	j
	DISCONNECT SWITCH. REFER TO EQUIPMENT FEEDER SCHEDULE FOR REQUIREMENTS (I.E. SIZE, FUSED, NON-FUSED, ETC.)	h, j
	MAGNETIC MOTOR STARTER OR CONTACTOR, AS NOTED.	h, j
	120V CONNECTION TO MOTORIZED DAMPER, COORDINATE WITH DIVISION 15.	
	THERMOSTAT CONNECTION. PROVIDE AND INSTALL WALL OUTLET BOX AND RACEWAY AS REQUIRED BY DIVISION 15.	c, d
	CONTROL AND/OR POWER EQUIPMENT CONNECTION.	j
	RELAY. COIL VOLTAGE = 24VAC OR 120VAC, TYPE AS INDICATED ON DRAWINGS. (NO) = NORMALLY OPEN. (NC) = NORMALLY CLOSED	
	120/240V BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED	j
	120/240V BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED	h, j
	TRANSFORMER, PAD MOUNTED	j
	SURGE PROTECTIVE DEVICE	
	BRANCH CIRCUIT CONDUIT CONCEALED ABOVE CEILING OR IN WALL. MINIMUM TWO CONDUCTORS PLUS GROUND. REFER TO SPECIFICATIONS AND EQUIPMENT FEEDER SCHEDULE FOR CONDUCTOR REQUIREMENTS. ARROWS INDICATE CIRCUIT CONNECTIONS AND HOMERUNS TO PANEL AS INDICATED ON PLANS. TYPICAL FOR ALL RACEWAY TYPES, U.O.N.	
	BRANCH CIRCUIT CONDUIT CONCEALED BELOW SLAB OR UNDERGROUND	
	BRANCH CIRCUIT CONDUIT EXPOSED	
	LOW VOLTAGE CONTROL WIRING AND CONDUIT, CONCEALED	
	CONDUIT CONTINUED	
	CONDUIT CAPPED OFF	
	CONDUIT RUN UP	
	CONDUIT RUN DOWN	
	GROUND OR GROUND ROD AS NOTED	
	WALL MOUNTED PHOTOELECTRIC SMOKE DETECTOR, 120 VAC POWERED WITH BATTERY BACK-UP AND INTERLOCK CAPABILITIES(RESIDENTIAL UNITS).	
	WALL MOUNTED SMOKE/CARBON MONOXIDE DETECTOR COMBINATION DEVICE, 120 VAC POWERED WITH BATTERY BACK-UP AND INTERLOCK CAPABILITIES(RESIDENTIAL UNITS).	

COMMUNICATION AND DATA		
	TELECOMMUNICATIONS TERMINAL CABINET (18"Wx24"Hx4"D UNLESS OTHERWISE NOTED)	n
	COMBINATION TELEPHONE/DATA WALL OUTLET AND (2) CAT. 5e CABLES BACK TO TTC. STUB INTO ACCESSIBLE CEILING SPACE WITH 3/4" CONDUIT(COMMERCIAL APPLICATIONS ONLY).	a
	RESIDENTIAL TELEPHONE WALL OUTLET AND (1) CAT. 5e CABLE TO "SMC".	b
	RESIDENTIAL TELEPHONE WALL OUTLET AND (1) CAT. 5e CABLE TO "SMC".	a
	COMBINATION POWER WITH TELEVISION OUTLET. PROVIDE (1) RG6 COAXIAL CABLE BACK TO TVTC VIA 3/4" C. STUBBED-UP INTO CEILING SPACE. (COMMERCIAL APPLICATIONS) TELEPHONE SYSTEM RACEWAY, 3/4" MINIMUM CONCEALED, TO LOCAL TTC (UNLESS OTHERWISE NOTED)	
	TELEVISION WALL OUTLET AND (1) RG6 COAXIAL CABLE BACK TO TVTC. STUB INTO ACCESSIBLE CEILING SPACE WITH 3/4" CONDUIT (COMMERCIAL APPLICATIONS ONLY).	a
	RESIDENTIAL TELEVISION/WALL OUTLET AND (1) RG6 COAXIAL CABLE BACK TO SMC.	a
	TELEVISION RACEWAY, CONCEALED, TO LOCAL TVTC(UNLESS NOTED OTHERWISE)	
	TELEVISION TERMINAL CABINET. (18"Wx24"Hx4"D UNLESS OTHERWISE NOTED)	n
	SYSTEMS PANELBOARD SMC (STRUCTURAL MEDIA CENTER)	n
	DOOR BELL/CHIME WITH LOW VOLTAGE TRANSFORMER.	
	DOOR BELL PUSH BUTTON.	b

FIRE ALARM		
	MANUAL FIRE ALARM PULL STATION.	b
	FIRE ALARM HORN/STROBE COMBINATION DEVICE.	l, m
	FIRE ALARM HORN/STROBE COMBINATION DEVICE, CAST SURFACE OUTLET BOX AND WEATHERPROOF ENCLOSURE.	l, m
	FIRE ALARM STROBE.	l, m
	FIRE ALARM MINI-HORN.	l, m
	FIRE ALARM MINI-HORN WITH STROBE COMBINATION DEVICE.	l, m
	SMOKE DETECTOR(FA SYSTEM CONNECTION) CEILING SURFACE MOUNTED.	
	SMOKE DETECTOR(FA SYSTEM CONNECTION) WALL MOUNTED 12" BELOW CEILING.	
	WALL MOUNTED CARBON MONOXIDE DETECTOR(FA SYSTEM CONNECTION).	
	HEAT DETECTOR - THERMAL DETECTOR. CEILING SURFACE MOUNTED.	
	TAMPER DETECTOR/SWITCH	
	FLOW DETECTOR/SWITCH	
	FIRE DEPARTMENT LOCK BOX (KNOX BOX), WEATHER-PROOF. LOCATE PER AHJ.	
	FIRE ALARM CONTROL PANEL	n
	FIRE ALARM ANNUNCIATOR	n
	FIRE ALARM TERMINAL CABINET	n
	CONTROL PANEL, AS NOTED.	n

SYMBOL LEGEND NOTES:

- THE COLOR OF ALL DEVICES SHALL BE SELECTED BY THE ARCHITECT. COVER PLATES SHALL BE #302 SMOOTH STAINLESS STEEL, UNLESS OTHERWISE NOTED.
- SCREENED ELECTRICAL ITEM DENOTES EXISTING.
- "R" BY DEVICE DENOTES EXISTING TO BE REMOVED COMPLETELY.
- "H" BY DEVICE DENOTES DEVICE TO BE MOUNTED HORIZONTALLY.
- ALL DIMENSIONS INDICATED ARE TO THE BOTTOM OF FIXTURE, OUTLET, OR EQUIPMENT AND SHALL BE THE DIMENSIONS USED UNLESS INDICATED OTHERWISE ON THE DRAWINGS. DIMENSIONS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS ARE TO THE BOTTOM OF THE FIXTURE, OUTLET, OR EQUIPMENT UNLESS INDICATED OTHERWISE. ALL MOUNTING HEIGHTS SHALL COMPLY WITH ADA REQUIREMENTS. VERIFY AND COORDINATE THE EXACT HEIGHT AND LOCATION OF ALL FIXTURES, OUTLETS, AND EQUIPMENT WITH ALL DOCUMENTS AND DISCIPLINES (I.E., ARCHITECTURAL, STRUCTURAL, HVAC, PLUMBING, FIRE PROTECTION, KITCHEN EQUIPMENT, MILLWORK, ETC.) PRIOR TO ROUGH-IN; ADJUST TO MEET ALL REQUIREMENTS.
- ALL SYMBOLS INDICATED IN THIS LEGEND MAY NOT BE USED ON THE PLANS.
- ALL WIRING DEVICES SHALL BE PROVIDED WITH A GROUNDING TERMINAL SCREW.
- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- U.O.N. = UNLESS OTHERWISE NOTED.
- A.H.J. = AUTHORITY HAVING JURISDICTION.
- A.F.F. = ABOVE FINISHED FLOOR
- ELECTRICAL CONTRACTOR TO PROVIDE PULL STRINGS IN ALL CONDUIT(S).

REMARKS:

- MOUNTED 16" ABOVE FINISHED FLOOR TO THE BOTTOM.
- MOUNTED 44" ABOVE FINISHED FLOOR TO THE BOTTOM.
- MOUNTED 50" ABOVE FINISHED FLOOR TO THE BOTTOM.
- OUTLET BOX SHALL BE SIZED PER SYSTEM INSTALLERS REQUIREMENTS.
- SUPPORT OUTLET BOX FROM STRUCTURE WITH (1) 3/8" ALL THREADS MINIMUM. BOXES LARGER THAN 25" SQUARE INCHES SHALL BE SUPPORTED WITH (2) 3/8" ALL THREADS MINIMUM.
- JUNCTION/OUTLET BOX SHALL BE SIZED AS REQUIRED FOR CONDUCTOR/DEVICES FILL PER N.E.C.
- THREADED CONDUIT HUBS SHALL BE SIZED AND CONFIGURED AS REQUIRED FOR APPLICATION.
- PROVIDE KINDORF MOUNTING RACK FOR FREE STANDING APPLICATIONS. KINDORF SHALL BE PAINTED FOR EXTERIOR APPLICATIONS.
- WHEN SURFACE JUNCTION BOX SYMBOL IS COMBINED WITH DEVICE SYMBOL, PROVIDE APPROPRIATE SURFACE PLATE FOR OUTLET APPLICATION.
- MAINTAIN WORKING CLEARANCES IN STRICT ACCORDANCE WITH N.E.C. COORDINATE EXACT LOCATION OF EQUIPMENT WITH ALL DISCIPLINES (I.E. ARCHITECTURAL, STRUCTURAL, HVAC, PLUMBING, FIRE PROTECTION, KITCHEN EQUIPMENT, MILLWORK, ETC.) PRIOR TO ROUGH-IN TO MAINTAIN CLEARANCES.
- "NL" INDICATES FIXTURE CONNECTED AHEAD OF ALL SWITCHES FOR 24 HOUR NIGHTLIGHT OPERATION.
- MOUNTED 80" ABOVE FINISHED FLOOR TO BOTTOM.
- STROBE INTENSITIES (CANDELA (CD)) AS REQUIRED BY NFPA 72.
- MOUNTED 72" ABOVE FINISHED FLOOR TO THE TOP.

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No.	Date	Description
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REVISION HISTORY		
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BRIDGEWAY APARTMENTS	Drawn: TLC
CHATTANOOGA, TN	Checked: RDP
SYMBOL LEGENDS	Approved: KJC
	Date: 04/29/2013
	Project #: 5166-400
E0.01	



LIGHTING FIXTURE SCHEDULE - APARTMENT BUILDINGS								
MARK	LAMP DATA		FIXTURE DESCRIPTION	FIXTURE DATA			VOLTAGE	SEE NOTE
	NO.	TYPE		MANUFACTURER	CATALOG NUMBER	MOUNT		
A	2	32W T8	1x4 FLUORESCENT CLOUDLINE WRAPAROUND W/ WHITE FINISH AND ELECTRONIC BALLAST	DIVNE	5212-WH-232ER-WA	SURF	120	1
B	4	40W G25CL "FROSTED"	2x4 INCANDESCENT BATH VANITY FIXTURE "HOLLYWOOD BAR" WITH CHROME FINISH AND FROSTED BULBS	EVER LIGHTING	1104-CH	WALL	120	1,8
B1	6	40W G25CL "FROSTED"	3x6 INCANDESCENT BATH VANITY FIXTURE "HOLLYWOOD BAR" WITH CHROME FINISH AND FROSTED BULBS	EVER LIGHTING	1106-CH	WALL	120	1,8
C	2	8W T5	5"x24.5" FLUORESCENT THIN LINE WRAPAROUND W/ ELECTRONIC BALLAST	ROYAL PACIFIC	8946E	SURF	120	1
D	2	60W A-19	11" INCANDESCENT DOME FIXTURE, WITH FR FLAME GLASS DIFFUSER, WHITE FINISH	TRANS GLOBE	58800WH-FLAME	SURF	120	1
D1	1	60W MAX A-19	INCANDESCENT LIGHT FIXTURE IN WHITE WITH RIBBED POLYCARBONATE DIFFUSER	SEAGULL	4325-68	SURF	120	1,10
D2	2	60W MAX A-15	INCANDESCENT DOME LIGHT FIXTURE, OPAL GLASS DIFFUSER, WHITE FINISH	TRANS GLOBE	58800WH-OPAL	SURF	120	1
D3	1	60W MAX A-19	INCANDESCENT MUSHROOM TYPE LIGHT FIXTURE, OPAL GLASS DIFFUSER, WHITE FINISH	EVER LIGHTING	6010WH	SURF	120	1
E	1	40W A-15	DECORATIVE INCANDESCENT LATERN FIXTURE, OPAL GLASS, BLACK FINISH	TRANS GLOBE	4580WB	WALL	120	1,10
F	4	13W GU-24	42" DUAL MOUNT PADDLEFAN, WHITE FINISH WITH LIGHT KIT	ROYAL	1059WH/LK4120WH/2061G(4)	PEND	120	1,2
G	1	40W A-15	6" DIAMETER INCANDESCENT SHOWER LIGHT, WHITE TRIM AND FRESNEL GLASS REFLECTOR	ROYAL PACIFIC	8102HA-90/81-FIREBOX/8502FS	RECESS	120	1,2,11
H	1	100W A-19	DECORATIVE 8" DIAMETER MINI PENDANT INCANDESCENT LIGHT WITH SATIN PLATINUM AND WHITE GLASS DIFFUSER	DESIGNER FOUNTAIN	95030-3P	PEND	120	1,2
K	1	100W A-19	PORCELAIN LAMP HOLDER	ACME	SELECTED BY CONTRACTOR	TRUSS	120	1,2
L	4	75W MR16	10' FLEXIBLE, (4) LIGHT, 12V TRACK PACK WITH 150W TRANSFORMER AND ALUMIN. FINISH	ROYAL PACIFIC	7908BA	SURF	120	1,2,14
M	1	13W CPF SYLVANIA DULUX CF13EL/MINTWST-3500K	WALL LANTERN, MORGAN PARK COLLECTION 17-3/8" HIGH - BRONZE FINISH	MINKA LAVERY	8840-94	SURF	120	1,10
T	2	26W PL QUAD 4100K	SURFACE MOUNT 13" DIAMETER ROUND FIXTURE WITH OPAL POLYCARBONATE LENS	LUMINAIRE	ARV13H-2PLC26-120-OP	SURF	120	1,8,13
V	1	26W PL	WALL MOUNTED ADDRESS SIGN LIGHT. COORDINATE EXACT LOCATION WITH ARCHITECT.	DIVNE	ML-XX-SE26Q-50-120	WALL	120	1,10,12,13
W	1	70W MH	WALL PACK MOUNTED AT 16'-0" AFG ON WALL OF BUILDING.	DIVNE	MWP-BR-70M-1-N	SURF	120	1,10
EM	2	5.6W XENON	WHITE EMERGENCY BATTERY UNIT U.L. DAMP LOCATION.	ROYAL PACIFIC	REL3	SURF	120	1,9
EMW	2	6V, 7W HALOGEN	WHITE EMERGENCY BATTERY UNIT U.L. WET LOCATION.	ROYAL PACIFIC	REL9	SURF	120	1,10
X	INC	LED	UNIVERSAL RED LETTER EXIT SIGN WITH BATTERY BACK UP AND U.L. DAMP LOCATION.	ROYAL PACIFIC	RXLSEW-E	SURF	120	1,5,9

- NOTES:**
- PROVIDE LAMPS.
 - PROVIDE SLOPE CEILING ADAPTOR WHERE REQUIRED.
 - FINISH SHALL BE SATIN CHROME.
 - LIGHT KIT CONTROLLED BY SWITCH, FAN BY PULL CHAIN.
 - PROVIDE CHEVRONS AS SHOWN ON PLANS.
 - PROVIDE TRANSFORMER AS REQUIRED.
 - NUMBER OF HEAD PER PLANS.
 - REFER TO ARCHITECTS ELEVATION IN BATHROOM.
 - U.L. DAMP LOCATION LISTED.
 - U.L. WET LOCATION LISTED.
 - PROVIDE RECESSED HOUSING SUPPORT AND FIREBOX FOR SHOWER LIGHT. SEE TYPE "G". ALL SHALL BE UL LISTED.
 - REFER TO ARCHITECTS ELEVATIONS FOR MOUNTING HEIGHT.
 - VERIFY COLOR/FINISH WITH ARCHITECT PRIOR TO ORDERING.
 - COORDINATE PLACEMENT/BENDING OF TRACK WITH OWNER.

- GENERAL NOTES:**
- SUBSTITUTION FOR AS SPECIFIED FIXTURES WILL BE ACCEPTABLE UPON APPROVAL OF ENGINEER.
 - LAMPS BASED ON SYLVANIA.
 - MATCH BUILDING STANDARD.
 - EQUAL SUBSTITUTE LIGHT FIXTURES BY PROGRESS AND KICHLER ARE ACCEPTABLE.

LIGHTING FIXTURE SCHEDULE - CLUBHOUSE BUILDINGS								
MARK	LAMP DATA		FIXTURE DESCRIPTION	FIXTURE DATA			VOLTAGE	SEE NOTE
	NO.	TYPE		MANUFACTURER	CATALOG NUMBER	MOUNT		
A	2	CFM26W/GX24q	8" RECESSED HORIZONTAL LAMP FLUORESCENT DOWNLIGHT WITH CLEAR REFLECTOR.	CAPRI	CM8-F226/32/42-U-FS2-H65	REC	120	1
C	2	CFM32W/GX24q	6" RECESSED HORIZONTAL LAMP FLUORESCENT DOWNLIGHT WITH LOW IRIDESCENT REFLECTOR.	CAPRI	CM6-F226/32/42-U-FS2-H65	REC	120	1
C1	1	CFM32/GX24Q	6" RECESSED VERTICLE LAMP FLUORESCENT DOWNLIGHT FOR SHOWER	CAPRI	CFR6V2632 U PSH17P	REC	120	1
D	1	CFQ18W/G24q	6" RECESSED FLUORESCENT DOWNLIGHT WITH LOW IRIDESCENT REFLECTOR.	CAPRI	CM6-F118-U-FS2-H65	REC	120	1
EM	2	8W HAL	ADA COMPLIANT, VANDAL RESISTANT, EMERGENCY BATTERY LUMINAIRE	BEGHELLI	EL-28-SE-UNV	SURF	120	1,13
EMW	2	10W HAL	EMERGENCY BATTERY UNIT U.L. WET LOCATION AND VANDAL RESISTANT.	BEGHELLI	LAX 25 SEAT 10WH	SURF	120	1,10,13
F1	-	-	52" CIRCOLO CEILING FAN WITH MARIVE CHERRY MAPLE FINISH. BRUSHED NICKLE HOUSING FINISH.	KICHLER	300005NI	PEND	120	2,9
F2	1	100W HALOGEN	52" OUTDOOR CEILING FAN WITH BRUSHED NICKEL FINISH.	MINKA AIR	ML-F577-BNW	PEND	120	2,9
F3	-	-	54" STUDIO FAN WITH DRUSHED PEWTER FINISH.	MONTE CARLO FAN COMPANY	35U54BP	PEND	120	2,9
H	1	100W G9 HALOGEN	KAKOMI SINGLE SQUARE PENDANT WITH NATURAL IRON FINISH AND 6" SMOOTH OPAL SBOX. CANOPY TO BE SINGLE STANDARD ROUND.	HUBBARDTON FORGE	18-755/G102	PEND	120	1
J	2	F177B	2'x2' RECESSED FLUORESCENT LUMINAIRE WITH PARALOUVER LENS, FLANGE MOUNTED.	DAYBRITE	2LP3-FS217-33AL-120-1/2-EB-PAF	REC	120	1,14
K	2	F177B	2'x2' RECESSED FLUORESCENT LUMINAIRE WITH .125" ACRYLIC LENS, FLANGED MOUNTED.	DAYBRITE	2SP217-FS12-120-1/2-EB-PAF	REC	120	1,14
M	1	13W CPF SYLVANIA DULUX CF13EL/MINTWST-3500K	WALL LANTERN, MORGAN PARK COLLECTION 17-3/8" HIGH - BRONZE FINISH	MINKA LAVERY	8840-94	WALL	120	1,8,10,11
U	1	F25TB	3' FLUORESCENT STRIP	DAYBRITE	T125-120-1/1-EB	SURF	120	1
W	2	F32TB	1x4 FLUORESCENT WRAPAROUND W/ WHITE FINISH AND ELECTRONIC BALLAST	DAYBRITE	AWN232-120-1/2-EB	SURF	120	1,9
X	-	LED	UNIVERSAL EXIT SIGN WITH BATTERY BACK UP.	BEGHELLI	VA4 R SA	SURF	120	1,5,13
Y	-	70W MH	HID WALL PACK	DIVNE	MWP-BR-70M-1-N	SURF	120	1,10

- NOTES:**
- PROVIDE LAMPS.
 - PROVIDE SLOPE CEILING ADAPTER WHERE REQUIRED.
 - FINISH SHALL BE SATIN CHROME.
 - MOUNT 6" AFF.
 - PROVIDE CHEVRONS AS SHOWN ON PLANS.
 - PROVIDE TRANSFORMER AS REQUIRED.
 - NUMBER OF HEAD PER PLANS.
 - REFER TO ARCHITECTS ELEVATIONS FOR MOUNTING HEIGHT.
 - U.L. DAMP LOCATION LISTED.
 - U.L. WET LOCATION LISTED.
 - VERIFY COLOR/FINISH WITH ARCHITECT.
 - PROVIDE REMOTE EMERGENCY BALLAST ABOVE NEAREST ACCESSIBLE CEILING.
 - CONNECT EMERGENCY BATTERY TO CIRCUIT AHEAD OF SWITCHING. CONNECT NORMAL BALLAST VIA LIGHTING CONTROLS.
 - HOUSING PAINTED AFTER FABRICATION FROM FACTORY.
 - PROVIDE ALL MOUNTING HARDWARE, CONNECTORS, CAPS, ETC. REQUIRED IN ORDER FOR FIXTURE TO BE INSTALLED IN COVE CORRECTLY PER MANUFACTURERS RECOMMENDATIONS.
 - LIGHT FIXTURE SHALL BE CONTROLLED VIA ROCKER SWITCH PROVIDED WITH LIGHT FIXTURE.
 - LOCATE POWER SUPPLIES/TRANSFORMER ABOVE ACCESSIBLE CEILING AS CLOSE TO COVE AS POSSIBLE. PROVIDE #10 CONDUCTORS TO COVE LIGHTING.
 - MOUNT LIGHT FIXTURE 10'-0" A.F.F. TO BOTTOM OF FIXTURE.

- GENERAL NOTES:**
- SUBSTITUTION FOR AS SPECIFIED FIXTURES WILL BE ACCEPTABLE UPON APPROVAL OF ENGINEER.
 - LAMPS BASED ON SYLVANIA.
 - MATCH BUILDING STANDARD.
 - ALL FLUORESCENT LAMPS TO BE 3500K AND 85CRI OR HIGHER.
 - CONNECT EMERGENCY BATTERIES TO BOTH LAMPS.
 - COORDINATE ALL LIGHTING WITH ARCHITECTURAL PLANS AND INTERIOR DESIGN PLANS.

GENERAL ELECTRICAL NOTES	
FOR: BRIDGEWAY APARTMENTS	DATE: 06/04/2013
<ol style="list-style-type: none"> ALL 120V, 20A CIRCUIT HOMERUNS OVER 50FT. SHALL BE #10 CU. MINIMUM, UNLESS NOTED OTHERWISE. ALL 120V, 20A CIRCUIT HOMERUNS OVER 150FT. SHALL BE #8 CU. MINIMUM, UNLESS NOTED OTHERWISE. COORDINATE EXACT LOCATION OF LIGHTING FIXTURES IN MECH. ROOMS/SPACES WITH DUCTWORK INSTALLER PRIOR TO ROUGH-IN. LOCATE BELOW DUCTWORK (8'-0" AFF MINIMUM) CENTERED IN ROOM AS MUCH AS POSSIBLE. COORDINATE EXACT INSTALLATION REQUIREMENTS OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS, APPROVED SHOP DRAWINGS AND MILLWORK INSTALLER PRIOR TO ROUGH-IN. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL LIGHT FIXTURES. PROVIDE NYLON PULLSTRINGS IN ALL EMPTY CONDUITS. COORDINATE THE REQUIRED SIZE OF ALL CIRCUIT BREAKERS FEEDING EQUIPMENT, (I.E. MOTORS, HVAC, KITCHEN EQUIPMENT, SPECIAL PURPOSE OUTLETS, OWNER FURNISHED EQUIPMENT ETC.) WITH APPROVED EQUIPMENT SHOP DRAWINGS AND OWNER REPRESENTATIVES PRIOR TO ORDERING PANELBOARDS. BREAKERS SHALL BE SIZED PER THE NEC, THE EQUIPMENT NAME PLATE AND MANUFACTURERS RECOMMENDATIONS. ALL DIMMED CIRCUITS SHALL BE PROVIDED WITH DEDICATED NEUTRALS FOR EACH DIMMER AND PHASE CONDUCTOR THROUGHOUT THE ENTIRE CIRCUIT. FLUORESCENT DIMMER BALLASTS SHALL BE PROVIDED WITH AN ADDITIONAL DEDICATED CONDUCTOR (3 WIRES TOTAL). THE USE OF ANY PROCESS INVOLVING ASBESTOS OR PCB, AND THE INSTALLATION OF ANY PRODUCT, INSULATION, COMPOUND OF MATERIAL CONTAINING OR INCORPORATING ASBESTOS OR PCB, IS PROHIBITED. THE REQUIREMENTS OF THIS SPECIFICATION FOR A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM SHALL BE MET WITHOUT THE USE OF ASBESTOS OR PCB. THE POWER COMPANY SHALL BE CONTACTED WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT BY THE CONTRACTOR TO VERIFY THE ACTUAL AVAILABLE SHORT CIRCUIT FAULT CURRENT (SCC) AT THE TRANSFORMER SECONDARY BUSHINGS. THE CONTRACTOR SHALL PROVIDE ELECTRICAL DISTRIBUTION AND UTILIZATION EQUIPMENT AND PANELBOARDS WHICH HAVE AIC/WITHSTAND RATINGS GREATER THAN THE AVAILABLE SSC AT EACH POINT IN THE ELECTRICAL SYSTEM. VISIT THE EXISTING FACILITY AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED. CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE. PANEL SCHEDULES INDICATE CIRCUIT DESIGNATIONS ONLY. CONTRACTOR TO PROVIDE MATERIALS AS REQUIRED WHEN NEUTRALS ARE SHARED TO COMPLY WITH NEC REQUIREMENTS. ALL SINGLE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A TWO POLE BREAKER OR TWO SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE. NM AND SER CABLE ARE PERMISSIBLE WHERE INSTALLED PER 2011 NEC REQUIREMENTS. ALL PENETRATIONS THROUGH FIRE RESISTANCE RATED PARTITIONS AND OTHER ASSEMBLIES, INCLUDING EMPTY OPENINGS AND OPENINGS CONTAINING CABLES, CONDUITS AND OTHER PENETRATING ITEMS, SHALL BE FIRE-STOPPED TO PRESERVE THE FIRE RESISTANCE RATING OF THE ASSEMBLY. REFER TO ARCHITECTURAL PLANS FOR FIRE-STOPPING DETAILS. 	
BRANCH CIRCUIT WIRING	
<ol style="list-style-type: none"> WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS. ALL SWITCH CONTROLS SHALL BE PROVIDED WITH WIRING AND CONDUIT AS REQUIRED. ALTHOUGH ALL BRANCH WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED. PROVIDE A GREEN GROUND CONDUCTOR IN ALL CIRCUITS. APPROPRIATELY INCREASE SIZE OF CONDUITS TO ACCOMMODATE GROUND CONDUCTOR. UNLESS SHOWN OTHERWISE (BRANCH CIRCUITING INSTRUCTIONS): <ol style="list-style-type: none"> 1600 WATTS MAXIMUM PER 20A/1P CIRCUIT, UNLESS SHOWN OTHERWISE. 6 CONVENIENCE OUTLETS MAXIMUM PER 20A/1P BRANCH CIRCUIT. OUTLETS MOUNTED IN FIRE WALLS SHALL COMPLY WITH U.L. CATEGORY OF "OUTLET BOXES AND FITTINGS CLASSIFIED FOR FIRE RESISTANCE". UTILIZE 15A RATED DEVICES IN ALL RESIDENTIAL UNITS. UTILIZE 20A RATED DEVICES IN CLUBHOUSE, MAINTENANCE BUILDING, MAIL KIOSK AND IN ALL DEVICES IN MULTI-FAMILY BUILDINGS NOT LOCATED IN APARTMENT UNITS. 	
TELEVISION CABLING	
<ol style="list-style-type: none"> PROVIDE ALL NECESSARY CABLING, BOXES AND RELATED ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION OF TELEVISION CABLING SERVICE TO EACH UNIT. REFER TO SPECIFICATIONS. COORDINATE WITH OWNER'S LOCAL CABLE TELEVISION COMPANY. 	
TELE-VOICE/DATA CABLING	
<ol style="list-style-type: none"> PROVIDE ALL NECESSARY CABLING, BOXES AND RELATED ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION OF VOICE/DATA CABLING SERVICE TO EACH UNIT. REFER TO SPECIFICATIONS. COORDINATE WITH OWNER'S LOCAL TELEPHONE COMPANY. 	

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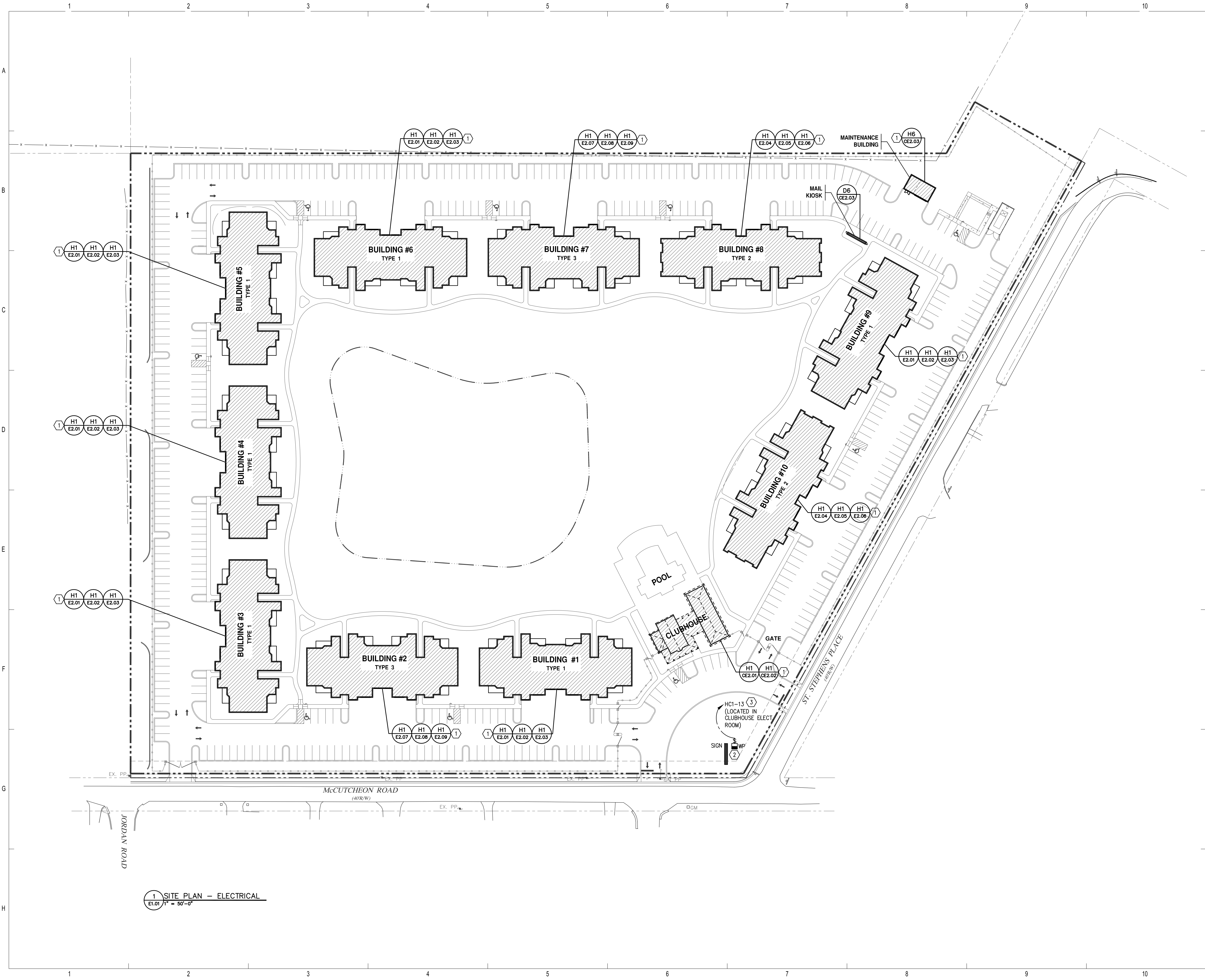
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

LIGHT FIXTURE SCHEDULES AND GENERAL NOTES

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-40

E0.02





1 SITE PLAN - ELECTRICAL
E1.01 1" = 50'-0"

GENERAL NOTES

1. REFER TO SHEET 'E0.01' FOR SYMBOL LEGENDS.
2. REFER TO SHEET 'E0.02' FOR GENERAL NOTES.
3. REFER TO SPECIFICATIONS.

REFERENCE NOTES

- 1 FURNISH AND INSTALL COMPLETE LIGHTNING PROTECTION SYSTEM PER NFPA 780 AND U.L. REFER TO SPECIFICATIONS.
- 2 PROVIDE 120V CIRCUIT WITH WP SWITCH FOR CONNECTION TO ENTRANCE SIGN. COORDINATE WITH CIVIL PLANS.
- 3 PROVIDE (2) #10 AND #10 GROUND IN 3/4" CONDUIT. CONNECT VIA LIGHTING CONTACTOR 'MXA'.

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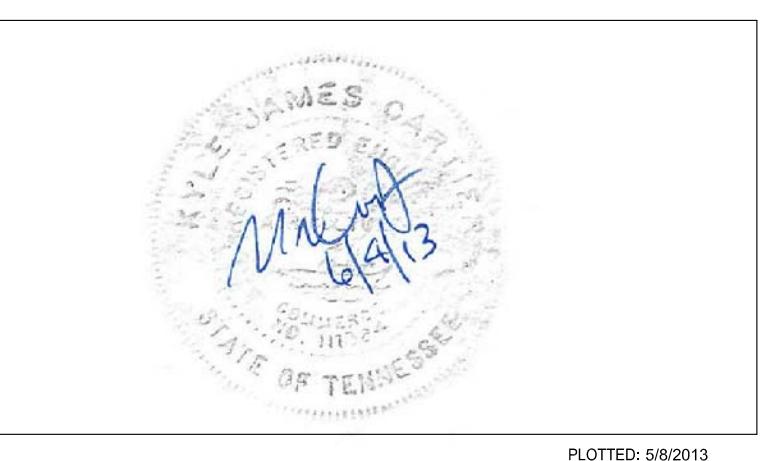


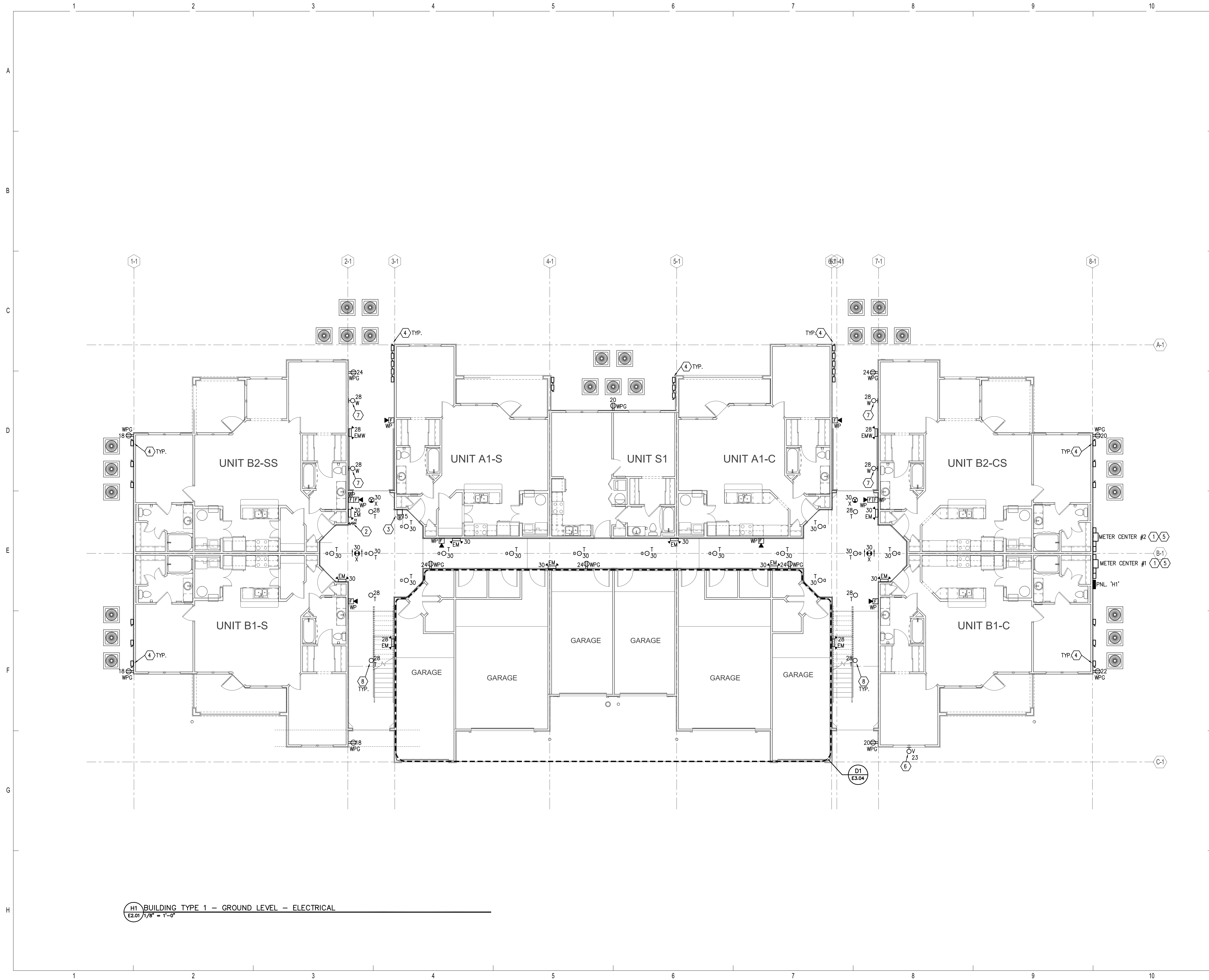
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

SITE PLAN - ELECTRICAL E1.01





H1 BUILDING TYPE 1 - GROUND LEVEL - ELECTRICAL
E2.01 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
2. REFER TO SPECIFICATIONS.
3. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO HOUSE PANEL 'H1' (UNLESS NOTED OTHERWISE).
5. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
6. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
7. REFER TO TYPICAL UNIT PLANS FOR ALL ELECTRICAL REQUIRED IN UNITS.
8. ALL WIRING SHALL BE #10 THWN CU MINIMUM.

REFERENCE NOTES

- 1 EXACT METER CENTER LOCATION DETERMINED BY CIVIL ENGINEER AND POWER COMPANY BASED ON THE UTILITY TRANSFORMER LOCATION FOR EACH BUILDING. CONTRACTOR TO COORDINATE WITHIN 10 DAYS OF AWARD OF CONTRACT. REFER TO SITE PLAN - ELECTRICAL, SHEET E1.01 FOR ADDITIONAL INFORMATION.
- 2 PROVIDE SINGLE POLE KEY SWITCH FOR CONTROL OF CORRIDOR LIGHTS. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 3 REFER TO FIRE PROTECTION SHEETS AND CONTRACTOR FOR EXACT LOCATION OF ELECTRIC BELL PRIOR TO ROUGH-IN.
- 4 DISCONNECT SWITCH FOR HEAT PUMP SERVING ASSOCIATED UNIT. REFER TO MECHANICAL FLOOR PLANS FOR HEAT PUMP DESIGNATIONS AND ROUTE CIRCUIT TO THAT CORRESPONDING UNIT PANEL. REFER TO UNIT PANEL SCHEDULE FOR CIRCUIT NUMBER FOR EACH UNIT. DISCONNECTING MEANS SHALL BE WITHIN 10'-0" OF EQUIPMENT BEING SERVED.
- 5 PROVIDE LABELS ON METER CENTER AS REQUIRED BY BUILDING DEPARTMENT AND FIRE DEPARTMENT TO IDENTIFY MULTIPLE BUILDING DISCONNECT SWITCHES.
- 6 LOCATE FIXTURES AS REQUIRED TO ILLUMINATE BUILDING ADDRESS NUMBER. VERIFY LOCATION WITH ARCHITECTURAL ELEVATIONS. CONNECT VIA PHOTOCELL.
- 7 LOCATE FIXTURE AT SECOND FLOOR HEIGHT DETERMINED BY ARCHITECT. COORDINATE PRIOR TO ROUGH-IN.
- 8 CONNECT CIRCUIT #28 VIA PHOTOCELL CONTROLLED CIRCUIT.

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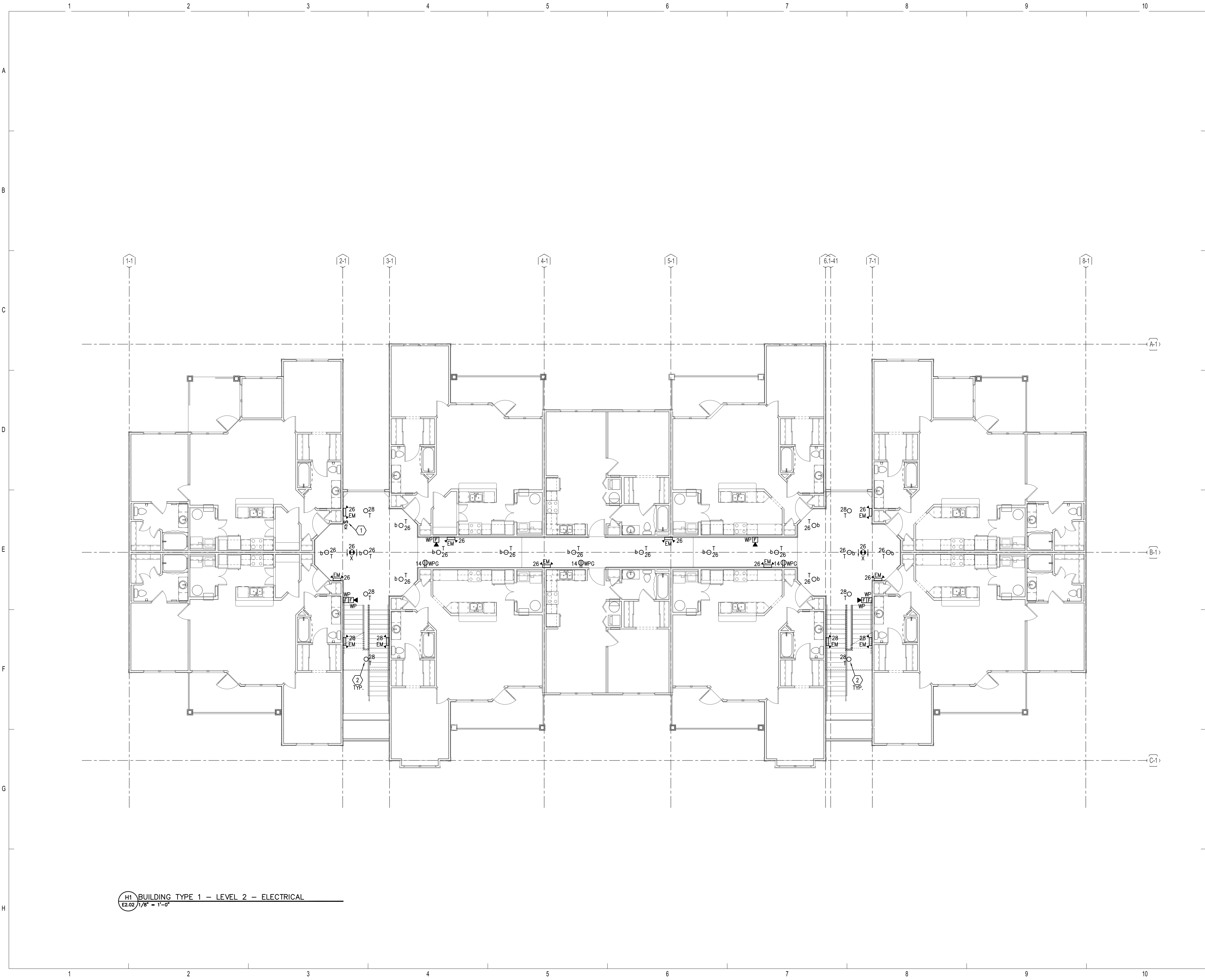
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Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
BUILDING TYPE 1 - GROUND LEVEL - ELECTRICAL **E2.01**





H1 BUILDING TYPE 1 - LEVEL 2 - ELECTRICAL
E2.02 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
2. REFER TO SPECIFICATIONS.
3. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO HOUSE PANEL 'H1' (UNLESS NOTED OTHERWISE).
5. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
6. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY REQUIRED IN UNITS.
7. REFER TO TYPICAL UNIT PLANS FOR ALL ELECTRICAL REQUIRED IN UNITS.
8. ALL WIRING SHALL BE #10 THWN CU MINIMUM.

REFERENCE NOTES

- 1) PROVIDE SINGLE POLE KEY SWITCH FOR CONTROL OF CORRIDOR LIGHTS. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 2) CONNECT CIRCUIT #28 VIA PHOTOCELL CONTROLLED CIRCUIT.

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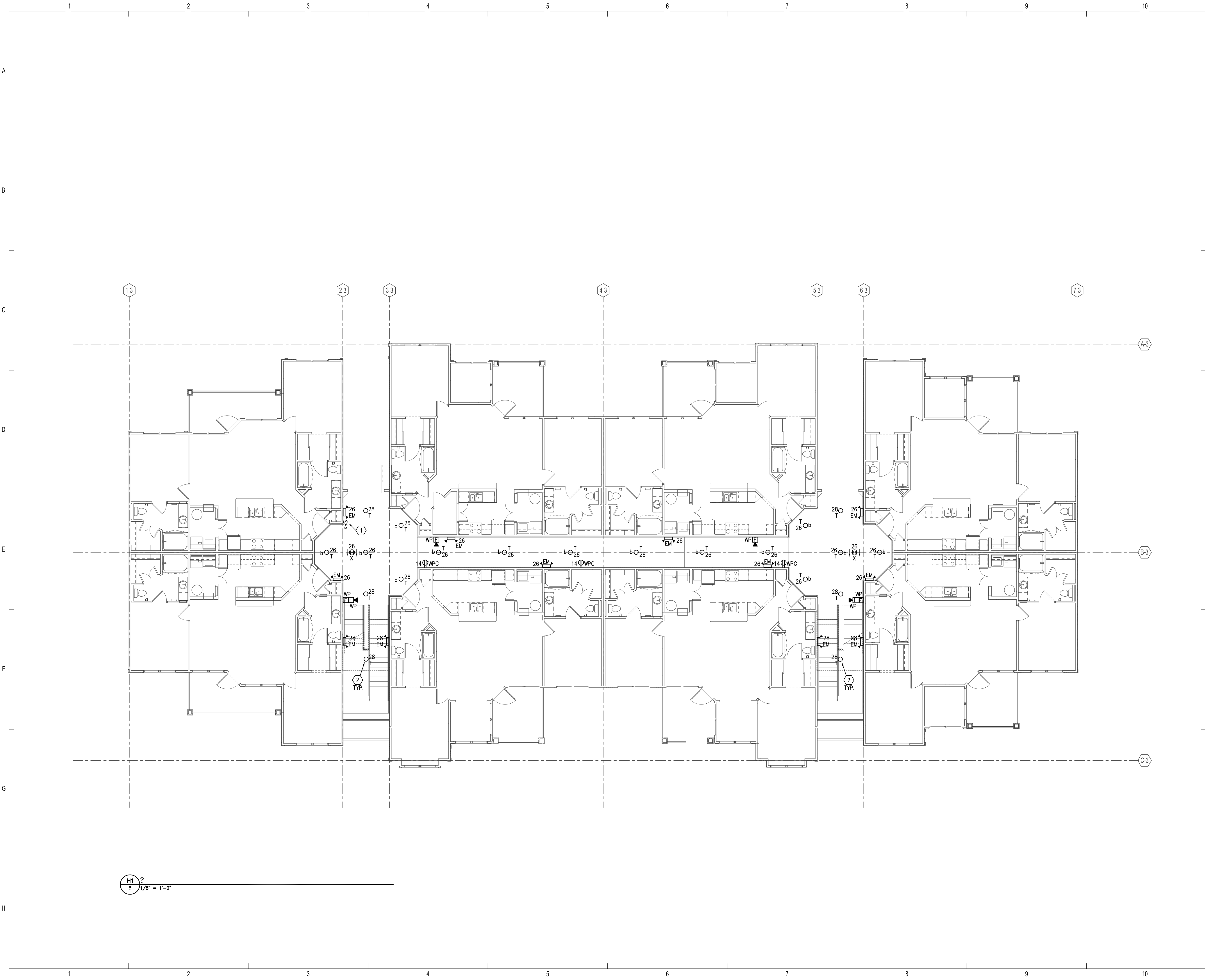
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 1 - LEVEL 2 - ELECTRICAL
E2.02





GENERAL NOTES

1. REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
2. REFER TO SPECIFICATIONS.
3. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO HOUSE PANEL 'H1' (UNLESS NOTED OTHERWISE).
5. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
6. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
7. REFER TO TYPICAL UNIT PLANS FOR ALL ELECTRICAL REQUIRED IN UNITS.
8. ALL WIRING SHALL BE #10 THWN CU MINIMUM.

REFERENCE NOTES

- 1) PROVIDE SINGLE POLE KEY SWITCH FOR CONTROL OF CORRIDOR LIGHTS. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 2) CONNECT CIRCUIT #28 VIA PHOTOCELL CONTROLLED CIRCUIT.
- 3) LIGHT FIXTURE AND SWITCH LOCATED ABOVE ATTIC ACCESS. COORDINATE LOCATION PRIOR TO ROUGH-IN.

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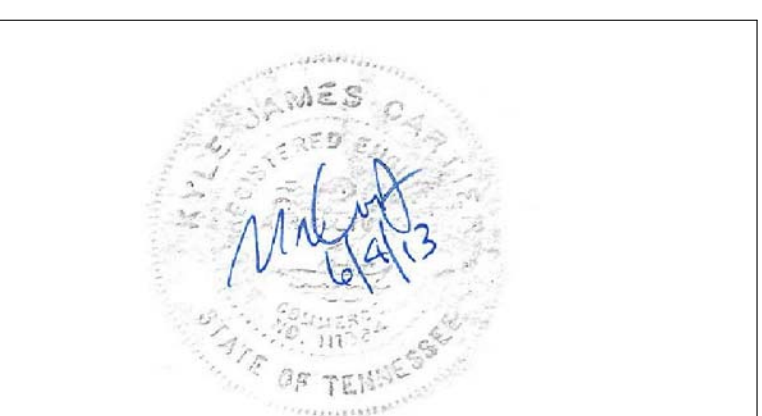


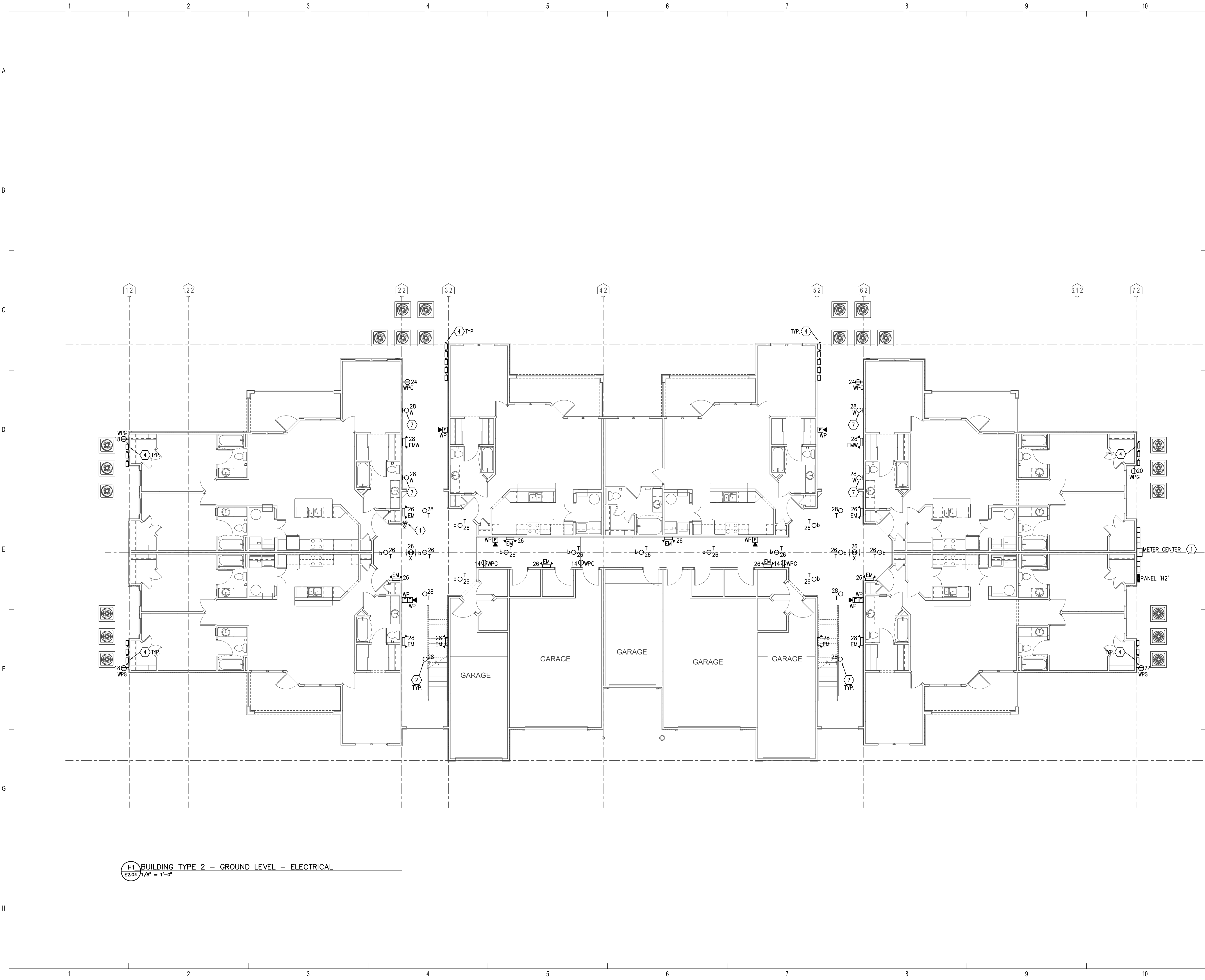
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 1 - LEVEL 3 - ELECTRICAL E2.03





H1 BUILDING TYPE 2 - GROUND LEVEL - ELECTRICAL
E2.04 1/8" = 1'-0"

- ### GENERAL NOTES
- REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
 - REFER TO SPECIFICATIONS.
 - VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
 - ALL 120/240V CIRCUITS SHALL BE CONNECTED TO HOUSE PANEL 'H2' (UNLESS NOTED OTHERWISE).
 - REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
 - CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
 - REFER TO TYPICAL UNIT PLANS FOR ALL ELECTRICAL REQUIRED IN UNITS.
 - ALL WIRING SHALL BE #10 THWN CU MINIMUM.
- ### REFERENCE NOTES
- EXACT METER CENTER LOCATION DETERMINED BY CIVIL ENGINEER AND POWER COMPANY BASED ON THE UTILITY TRANSFORMER LOCATION FOR EACH BUILDING. CONTRACTOR TO COORDINATE WITHIN 10 DAYS OF AWARD OF CONTRACT. REFER TO SITE PLAN - ELECTRICAL, SHEET E1.01 FOR ADDITIONAL INFORMATION.
 - PROVIDE SINGLE POLE KEY SWITCH FOR CONTROL OF CORRIDOR LIGHTS. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
 - REFER TO FIRE PROTECTION SHEETS AND CONTRACTOR FOR EXACT LOCATION OF ELECTRIC BELL PRIOR TO ROUGH-IN.
 - DISCONNECT SWITCH FOR HEAT PUMP SERVING ASSOCIATED UNIT. REFER TO MECHANICAL FLOOR PLANS FOR HEAT PUMP DESIGNATIONS AND ROUTE CIRCUIT TO THAT CORRESPONDING UNIT PANEL. REFER TO UNIT PANEL SCHEDULE FOR CIRCUIT NUMBER FOR EACH UNIT. DISCONNECTING MEANS SHALL BE WITHIN 10'-0" OF EQUIPMENT BEING SERVED.
 - NOT USED.
 - LOCATE FIXTURES AS REQUIRED TO ILLUMINATE BUILDING ADDRESS NUMBER. VERIFY LOCATION WITH ARCHITECTURAL ELEVATIONS. CONNECT VIA PHOTOCELL.
 - LOCATE FIXTURE AT SECOND FLOOR HEIGHT DETERMINED BY ARCHITECT. COORDINATE PRIOR TO ROUGH-IN.
 - CONNECT CIRCUIT #28 VIA PHOTOCELL CONTROLLED CIRCUIT.

ISSUE HISTORY

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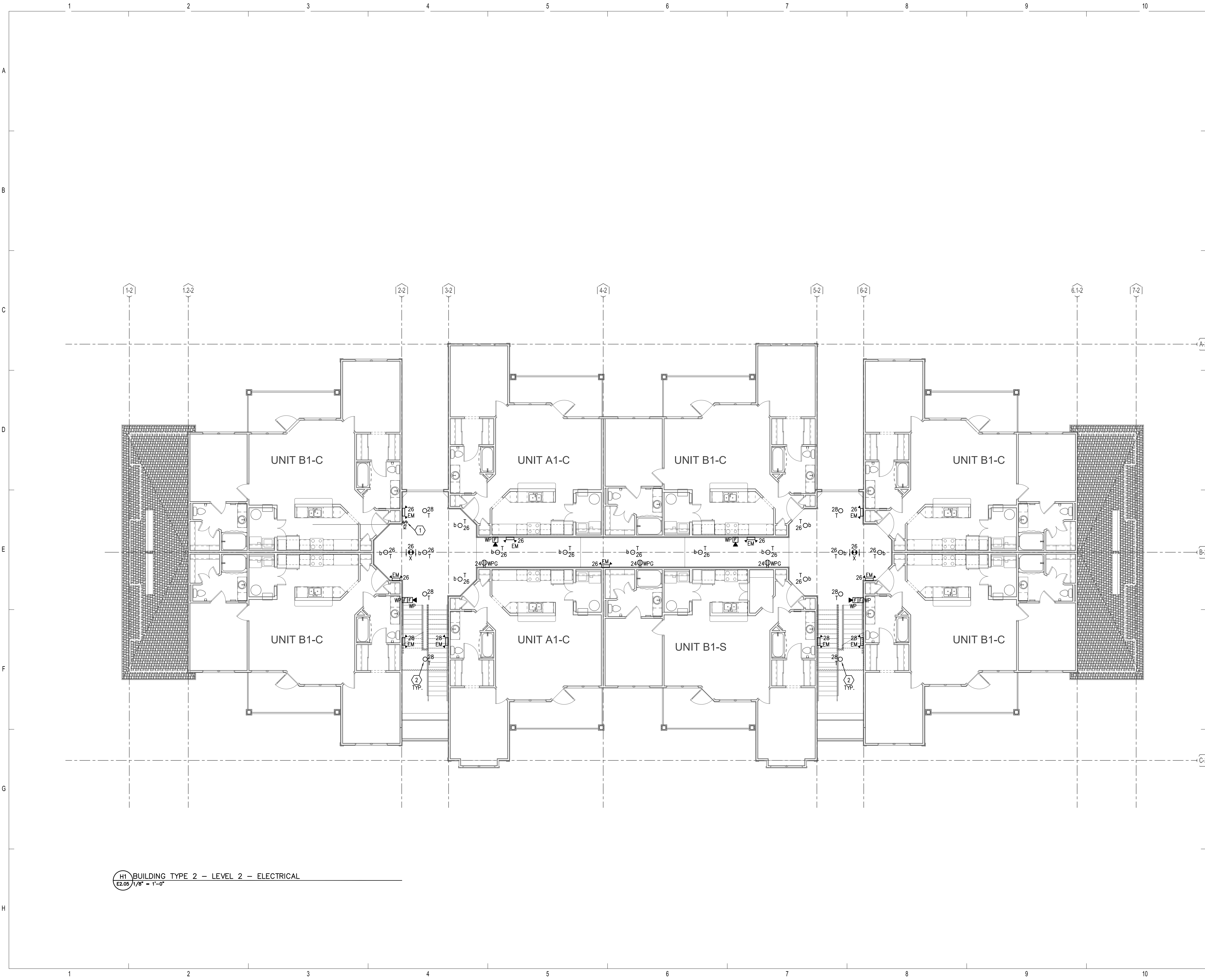
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BRIDGEWAY APARTMENTS		Drawn: TLC
CHATTANOOGA, TN		Checked: RDP
BUILDING TYPE 2 - GROUND LEVEL - ELECTRICAL		Approved: KJC
E2.04		Date: 04/29/2013
		Project #: 5166-400

PLOTTED: 5/8/2013 3:40:03 PM



H1 BUILDING TYPE 2 - LEVEL 2 - ELECTRICAL
 E2.05 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
2. REFER TO SPECIFICATIONS.
3. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO HOUSE PANEL 'H2' (UNLESS NOTED OTHERWISE).
5. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
6. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
7. REFER TO TYPICAL UNIT PLANS FOR ALL ELECTRICAL REQUIRED IN UNITS.
8. ALL WIRING SHALL BE #10 THWN CU MINIMUM.

REFERENCE NOTES

- 1 PROVIDE SINGLE POLE KEY SWITCH FOR CONTROL OF CORRIDOR LIGHTS. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 2 CONNECT CIRCUIT #28 VIA PHOTOCELL CONTROLLED CIRCUIT.

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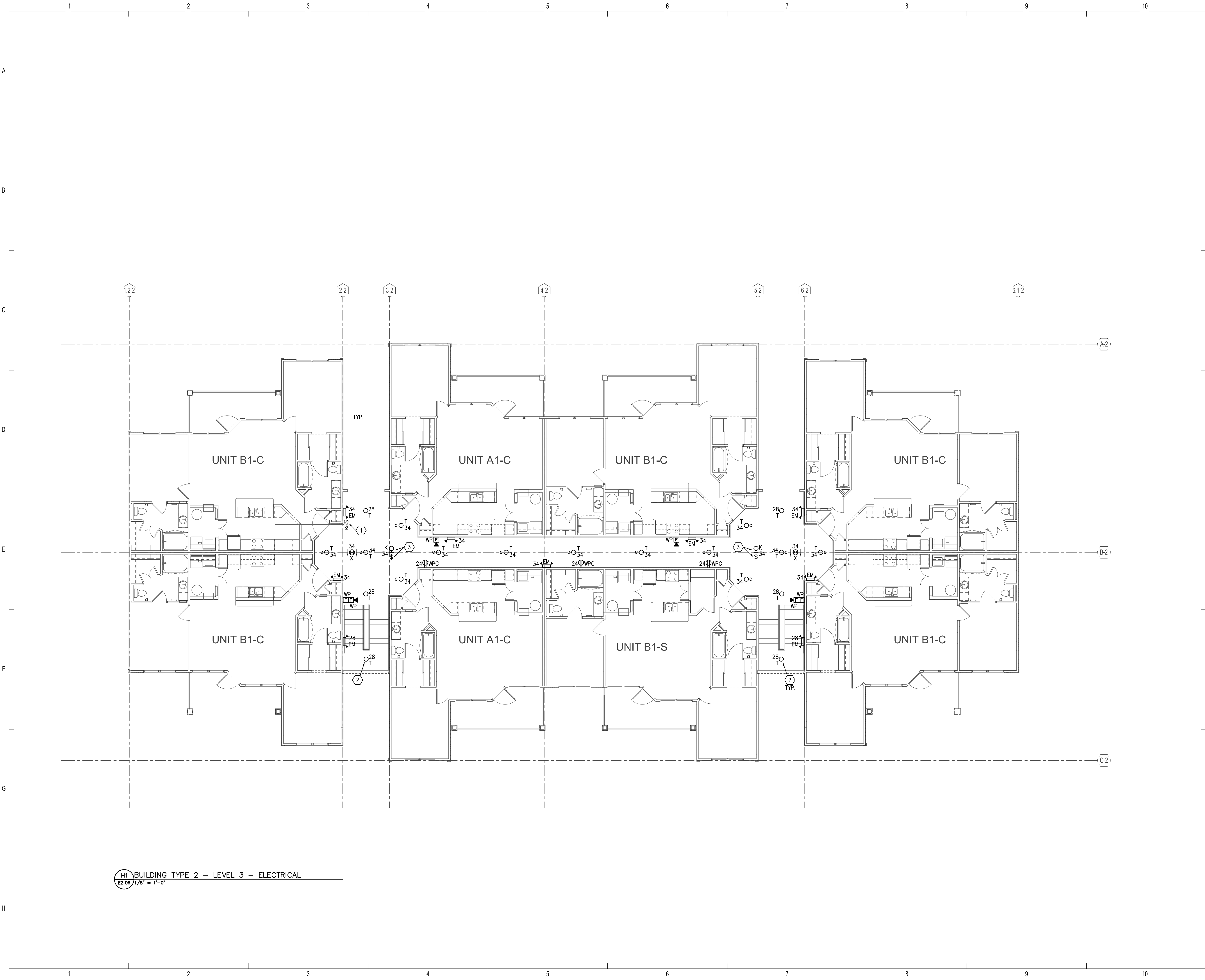


BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN

BUILDING TYPE 2 - LEVEL 2 - ELECTRICAL

E2.05





H1 BUILDING TYPE 2 - LEVEL 3 - ELECTRICAL
E2.06 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
2. REFER TO SPECIFICATIONS.
3. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO HOUSE PANEL 'H2' (UNLESS NOTED OTHERWISE).
5. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
6. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
7. REFER TO TYPICAL UNIT PLANS FOR ALL ELECTRICAL REQUIRED IN UNITS.
8. ALL WIRING SHALL BE #10 THWN CU MINIMUM.

REFERENCE NOTES

- 1 PROVIDE SINGLE POLE KEY SWITCH FOR CONTROL OF CORRIDOR LIGHTS. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 2 CONNECT CIRCUIT #28 VIA PHOTOCELL CONTROLLED CIRCUIT.
- 3 LIGHT FIXTURE AND SWITCH LOCATED ABOVE ATTIC ACCESS. COORDINATE LOCATION PRIOR TO ROUGH-IN.

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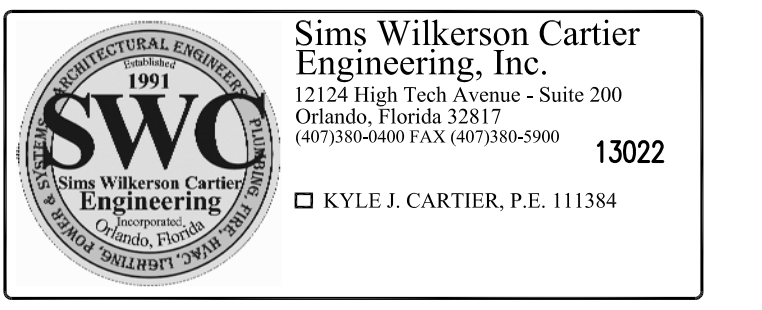
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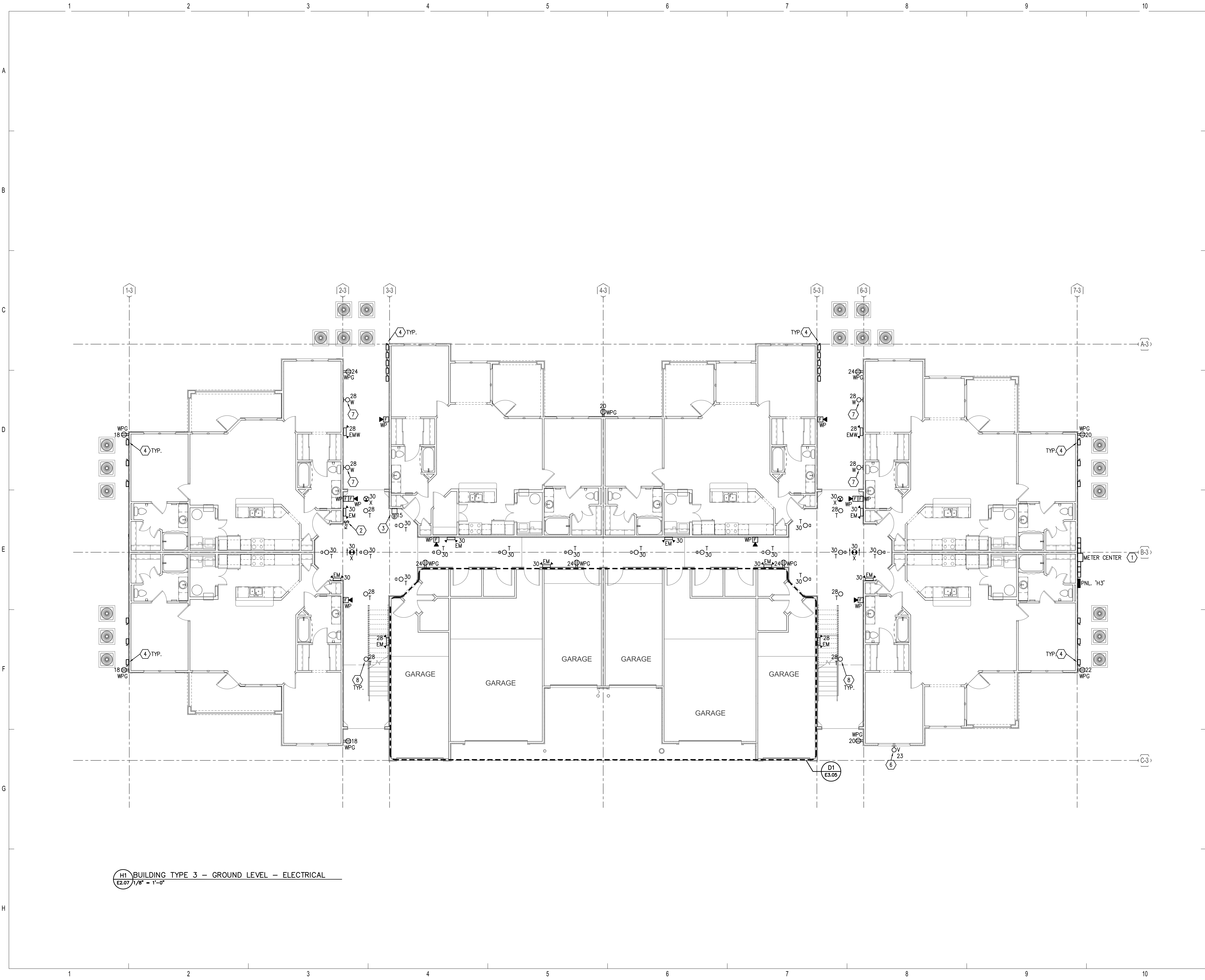


BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 2 - LEVEL 3 - ELECTRICAL

E2.06





GENERAL NOTES

1. REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
2. REFER TO SPECIFICATIONS.
3. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO HOUSE PANEL 'H3' (UNLESS NOTED OTHERWISE).
5. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
6. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
7. REFER TO TYPICAL UNIT PLANS FOR ALL ELECTRICAL REQUIRED IN UNITS.
8. ALL WIRING SHALL BE #10 THWN CU MINIMUM.

REFERENCE NOTES

- ① EXACT METER CENTER LOCATION DETERMINED BY CIVIL ENGINEER AND POWER COMPANY BASED ON THE UTILITY TRANSFORMER LOCATION FOR EACH BUILDING. CONTRACTOR TO COORDINATE WITHIN 10 DAYS OF AWARD OF CONTRACT. REFER TO SITE PLAN - ELECTRICAL, SHEET E1.01 FOR ADDITIONAL INFORMATION.
- ② PROVIDE SINGLE POLE KEY SWITCH FOR CONTROL OF CORRIDOR LIGHTS. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- ③ REFER TO FIRE PROTECTION SHEETS AND CONTRACTOR FOR EXACT LOCATION OF ELECTRIC BELL PRIOR TO ROUGH-IN.
- ④ DISCONNECT SWITCH FOR HEAT PUMP SERVING ASSOCIATED UNIT. REFER TO MECHANICAL FLOOR PLANS FOR HEAT PUMP DESIGNATIONS AND ROUTE CIRCUIT TO THAT CORRESPONDING UNIT PANEL. REFER TO UNIT PANEL SCHEDULE FOR CIRCUIT NUMBER FOR EACH UNIT. DISCONNECTING MEANS SHALL BE WITHIN 10'-0" OF EQUIPMENT BEING SERVED.
- ⑤ NOT USED.
- ⑥ LOCATE FIXTURES AS REQUIRED TO ILLUMINATE BUILDING ADDRESS NUMBER. VERIFY LOCATION WITH ARCHITECTURAL ELEVATIONS. CONNECT VIA PHOTOCELL.
- ⑦ LOCATE FIXTURE AT SECOND FLOOR HEIGHT DETERMINED BY ARCHITECT. COORDINATE PRIOR TO ROUGH-IN.
- ⑧ CONNECT CIRCUIT #28 VIA PHOTOCELL CONTROLLED CIRCUIT.

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT ISSUE

REVISION HISTORY

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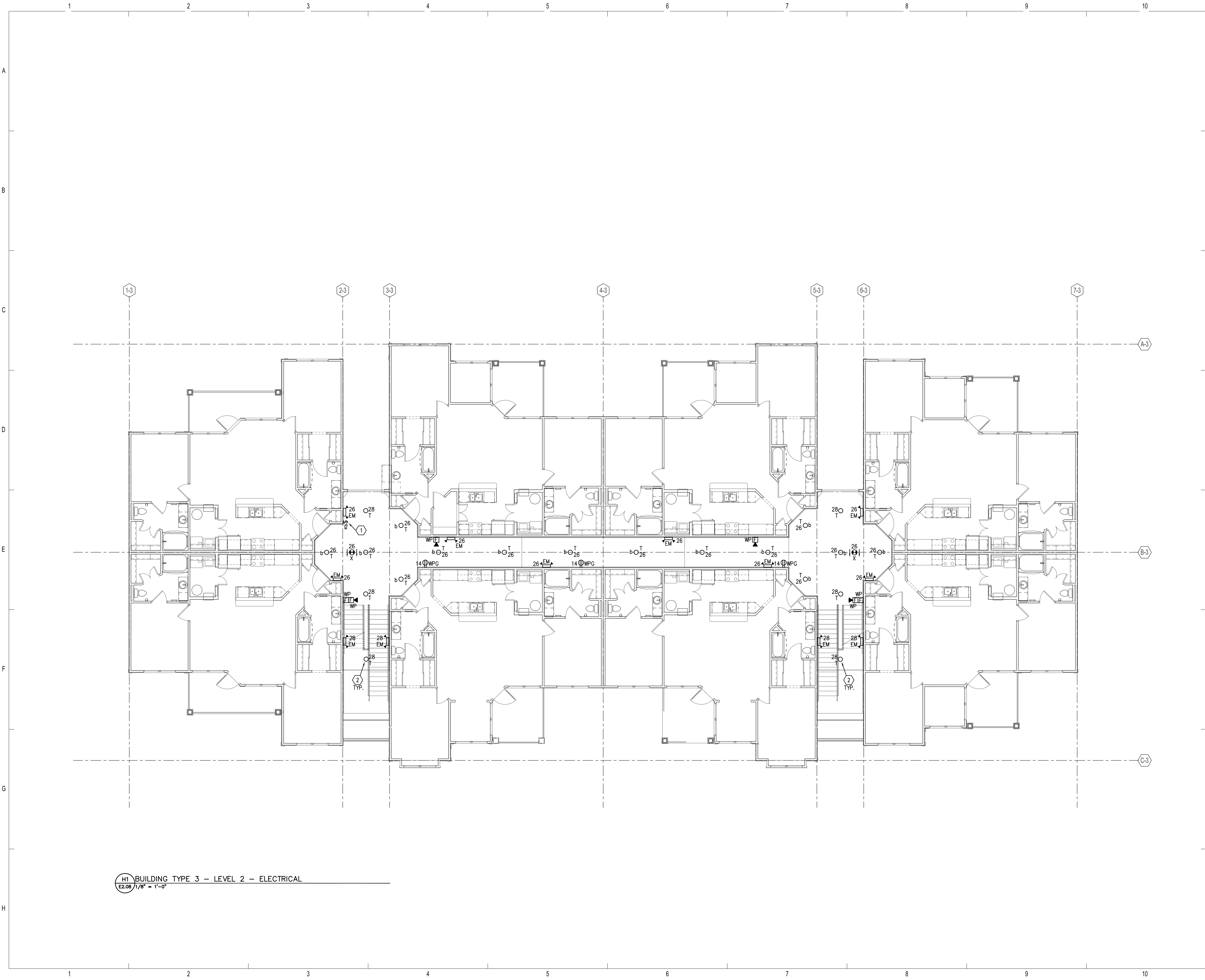
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(407) 380-4400 FAX: (407) 380-5900
13022
KYLE J. CARTIER, P.E. 111384

Drawn:	TLC
Checked:	RDP
Approved:	KJC
Date:	04/29/2013
Project #:	5166.400

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
BUILDING TYPE 3 - GROUND LEVEL - ELECTRICAL
E2.07



H1 BUILDING TYPE 3 - GROUND LEVEL - ELECTRICAL
E2.07 1/8" = 1'-0"



H1 BUILDING TYPE 3 - LEVEL 2 - ELECTRICAL
E2.08 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
2. REFER TO SPECIFICATIONS.
3. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO HOUSE PANEL 'H3' (UNLESS NOTED OTHERWISE).
5. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
6. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
7. REFER TO TYPICAL UNIT PLANS FOR ALL ELECTRICAL REQUIRED IN UNITS.
8. ALL WIRING SHALL BE #10 THWN CU MINIMUM.

REFERENCE NOTES

- ① PROVIDE SINGLE POLE KEY SWITCH FOR CONTROL OF CORRIDOR LIGHTS. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- ② CONNECT CIRCUIT #28 VIA PHOTOCELL CONTROLLED CIRCUIT.

ISSUE HISTORY

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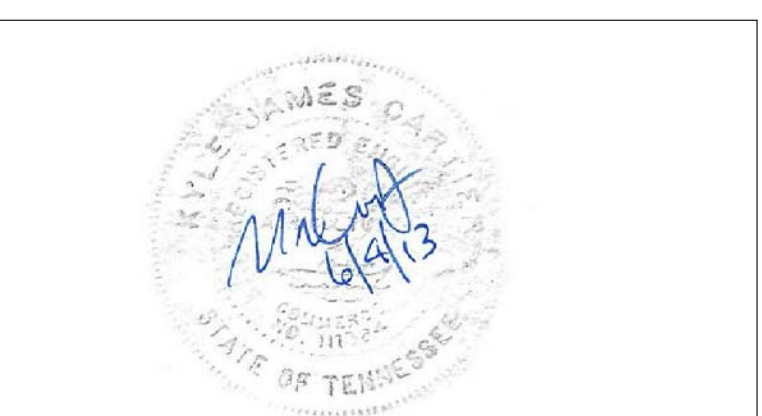


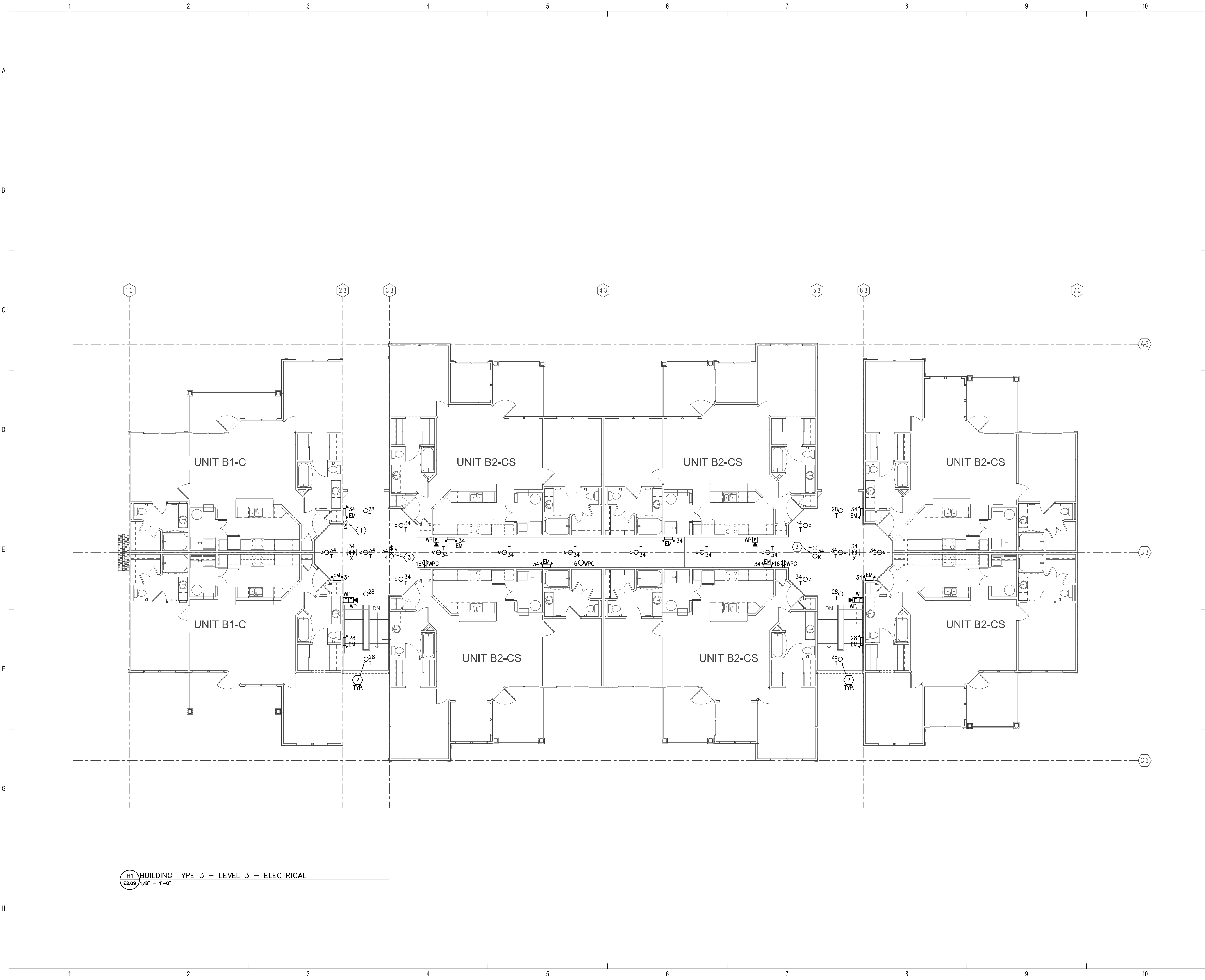
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 3 - LEVEL 2 - ELECTRICAL
E2.08





H1 BUILDING TYPE 3 - LEVEL 3 - ELECTRICAL
E2.09 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
2. REFER TO SPECIFICATIONS.
3. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO HOUSE PANEL 'H3' (UNLESS NOTED OTHERWISE).
5. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
6. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
7. REFER TO TYPICAL UNIT PLANS FOR ALL ELECTRICAL REQUIRED IN UNITS.
8. ALL WIRING SHALL BE #10 THWN CU MINIMUM.

REFERENCE NOTES

- ① PROVIDE SINGLE POLE KEY SWITCH FOR CONTROL OF CORRIDOR LIGHTS. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- ② CONNECT CIRCUIT #28 VIA PHOTOCELL CONTROLLED CIRCUIT.
- ③ LIGHT FIXTURE AND SWITCH LOCATED ABOVE ATTIC ACCESS. COORDINATE LOCATION PRIOR TO ROUGH-IN.

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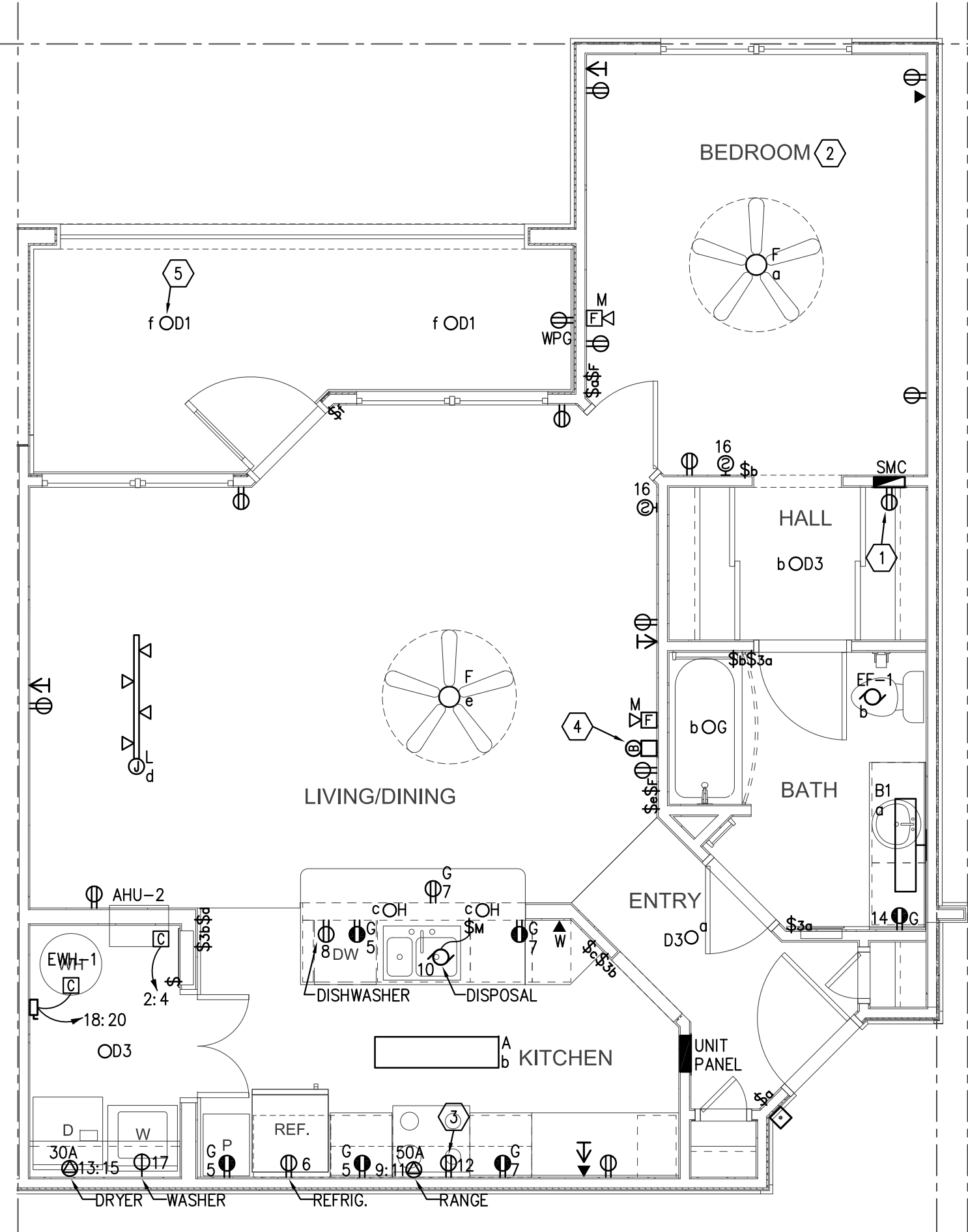
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

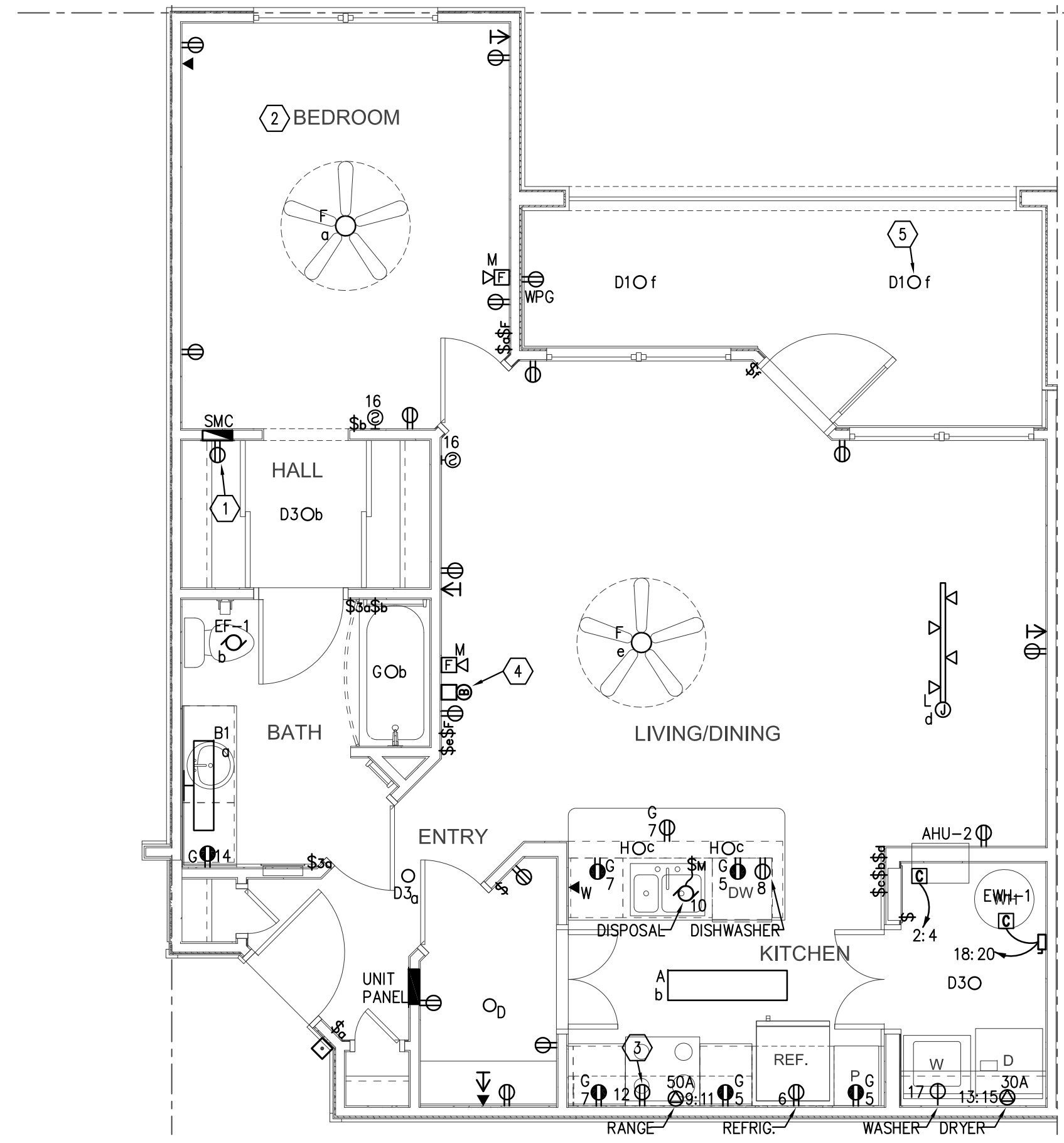
BUILDING TYPE 3 - LEVEL 3 - ELECTRICAL

E2.09

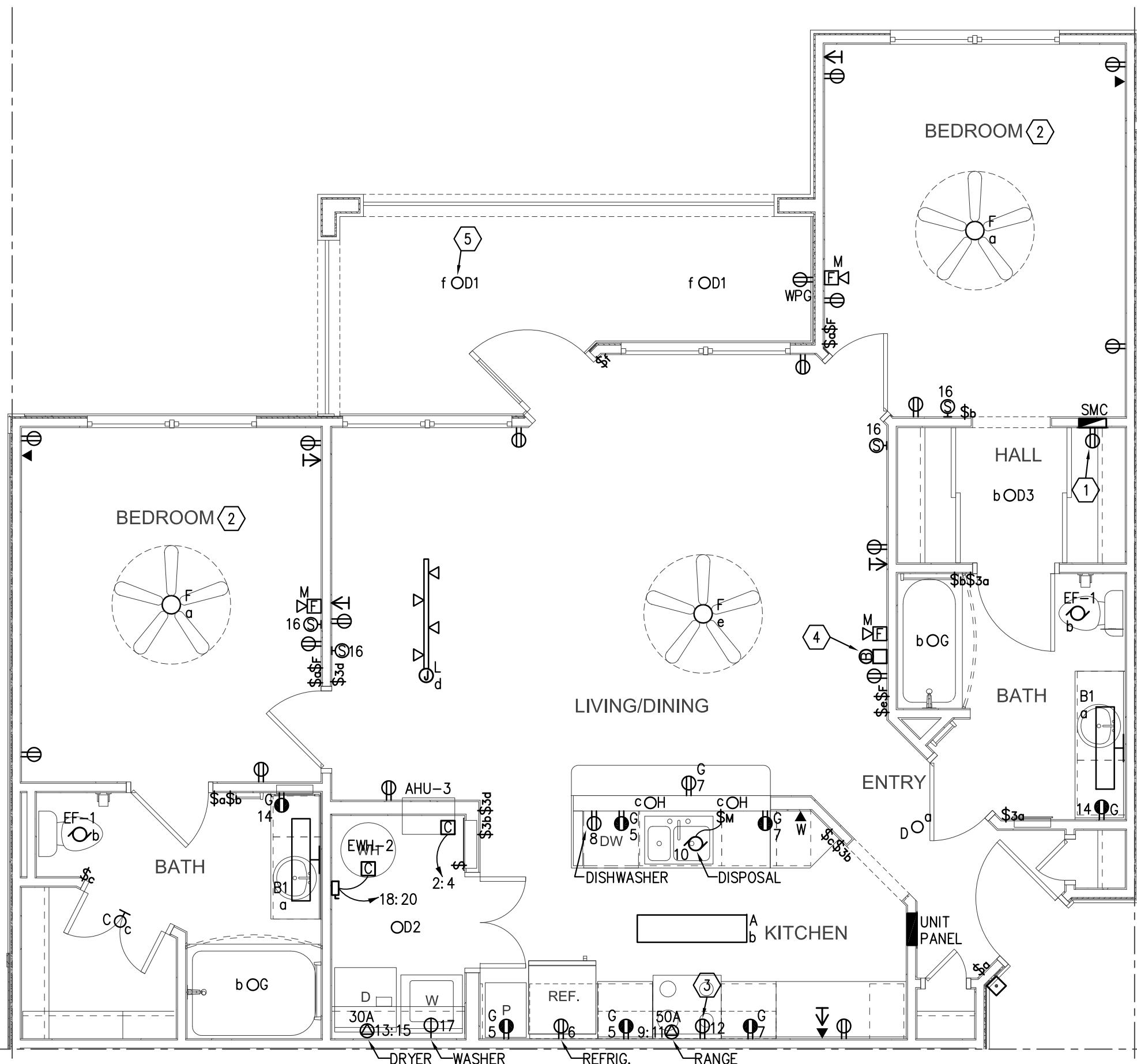




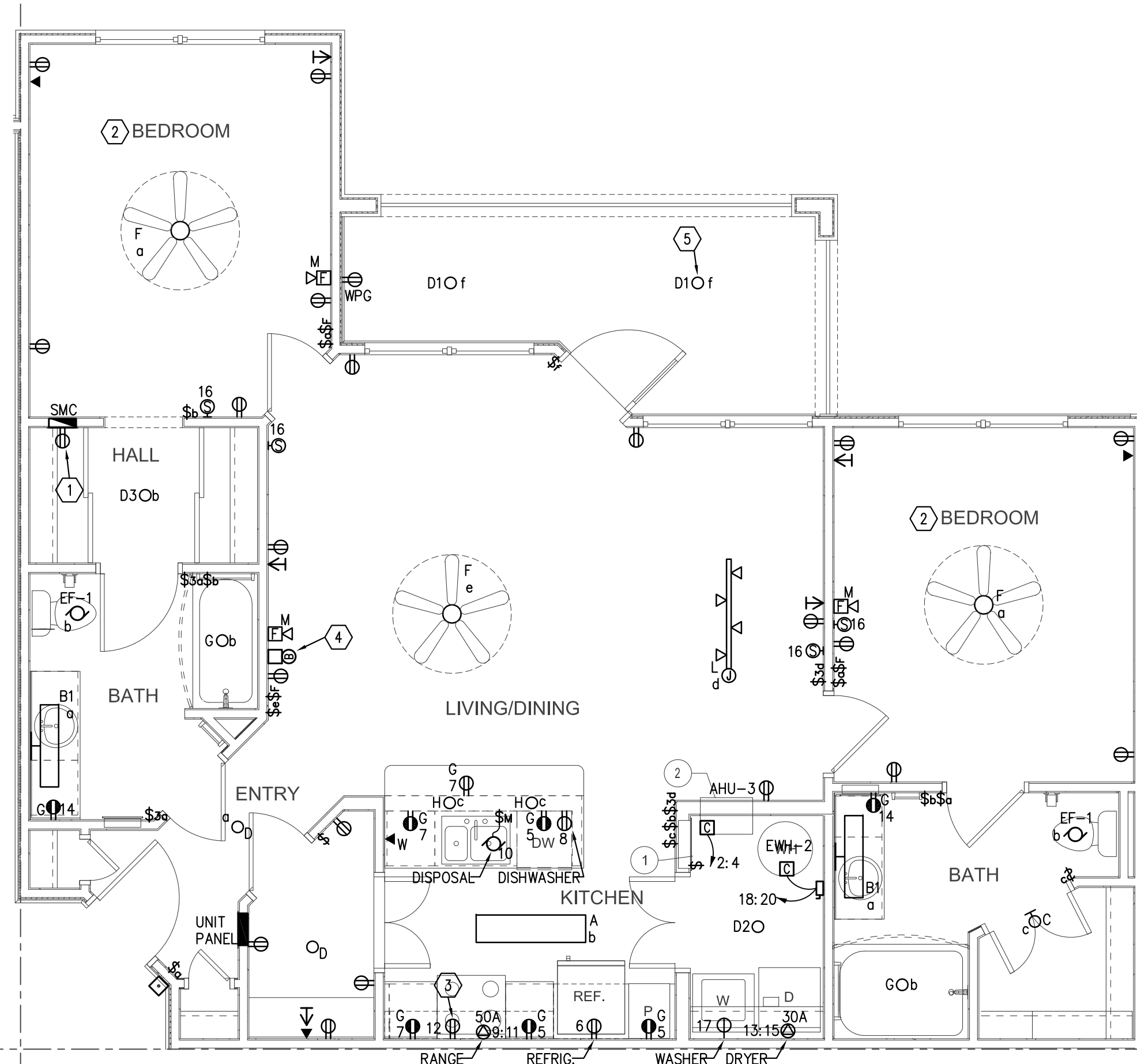
D1 ENLARGED UNIT A1-C -- ELECTRICAL
E3.01 1/4" = 1'-0"



D6 ENLARGED UNIT A1-S -- ELECTRICAL
E3.01 1/4" = 1'-0"



H1 ENLARGED UNIT B1-C -- ELECTRICAL
E3.01 1/4" = 1'-0"



H6 ENLARGED UNIT B1-S -- ELECTRICAL
E3.01 1/4" = 1'-0"

GENERAL NOTES

- REFER TO SHEET "E0.01 AND E0.02" FOR GENERAL NOTES AND SYMBOL LEGEND.
- REFER TO SPECIFICATIONS.
- VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- ALL CIRCUITS ORIGINATE FROM THEIR RESPECTIVE UNIT PANEL LOCATED WITHIN UNIT, UNLESS OTHERWISE NOTED.
- REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
- IN UNITS DESIGNATED TO BE HANDICAP, PROVIDE MINI-HORN/ STROBES PER A.D.A. COORDINATE UNIT LOCATIONS WITH ARCHITECT.
- ALL OUTLETS SHALL BE SPACED IN ACCORDANCE WITH NEC ARTICLE 210.52
- ALL OUTLETS SHALL TAMPER RESISTANT IN ACCORDANCE WITH NEC ARTICLE 406.12
- ADJUST ELECTRICAL INSTALLATION AS NECESSARY FOR "MIRRORED" UNITS. REFER TO BUILDING PLANS FOR HEAT PUMP UNIT LOCATION.
- REFER TO UNIT PANEL SCHEDULE AND EQUIPMENT CONNECTION SCHEDULE FOR FEEDER, CIRCUIT BREAKER AMPERAGE AND DISCONNECT SWITCH REQUIREMENTS. TYPICAL FOR EACH UNIT.

REFERENCE NOTES

- RECEPTACLE INSTALLED INSIDE SYSTEM PANEL.
- PROVIDE ARC FAULT CURRENT PROTECTION FOR ALL BRANCH CIRCUITS SUPPLYING BEDROOMS IN ACCORDANCE WITH NEC 210.12(B). NOTE THAT ARC FAULT PROTECTION REQUIRES A DEDICATED NEUTRAL FROM THE CIRCUIT BREAKER. MULTI-WIRE BRANCH CIRCUITS ARE THEREFORE NOT PERMITTED FOR BEDROOM CIRCUITS.
- LOCATE OUTLET IN MILLWORK FOR MICROWAVE/EXHAUST FAN. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE STEP DOWN TRANSFORMER/CHIME/DOOR BELL AND CONNECT COMPLETE.
- FLUSH MOUNTED JUNCTION BOX USED FOR LIGHT SHALL BE U.L. LISTED FOR OWNER'S FUTURE USE AS A SOLE SUPPORT OF A CEILING SUSPENDED (PADBLE) FAN. PROVIDE JUNCTION BOX IN ACCORDANCE WITH NEC 314.27(D). RATED FOR 35lbs AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE HOT WIRE CAPPED IN JUNCTION BOX FOR PULL CHAIN CONTROL IN FAN.

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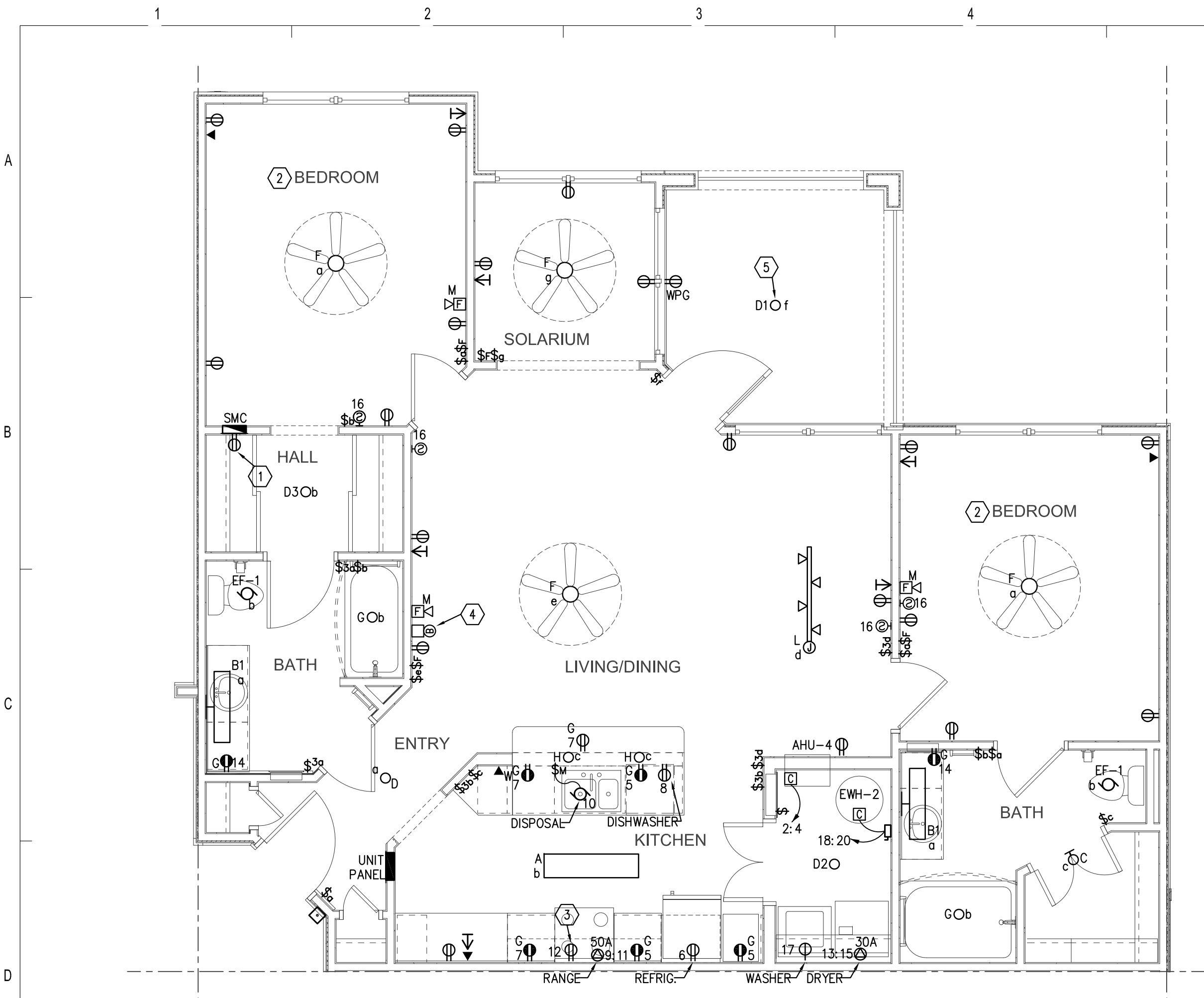
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

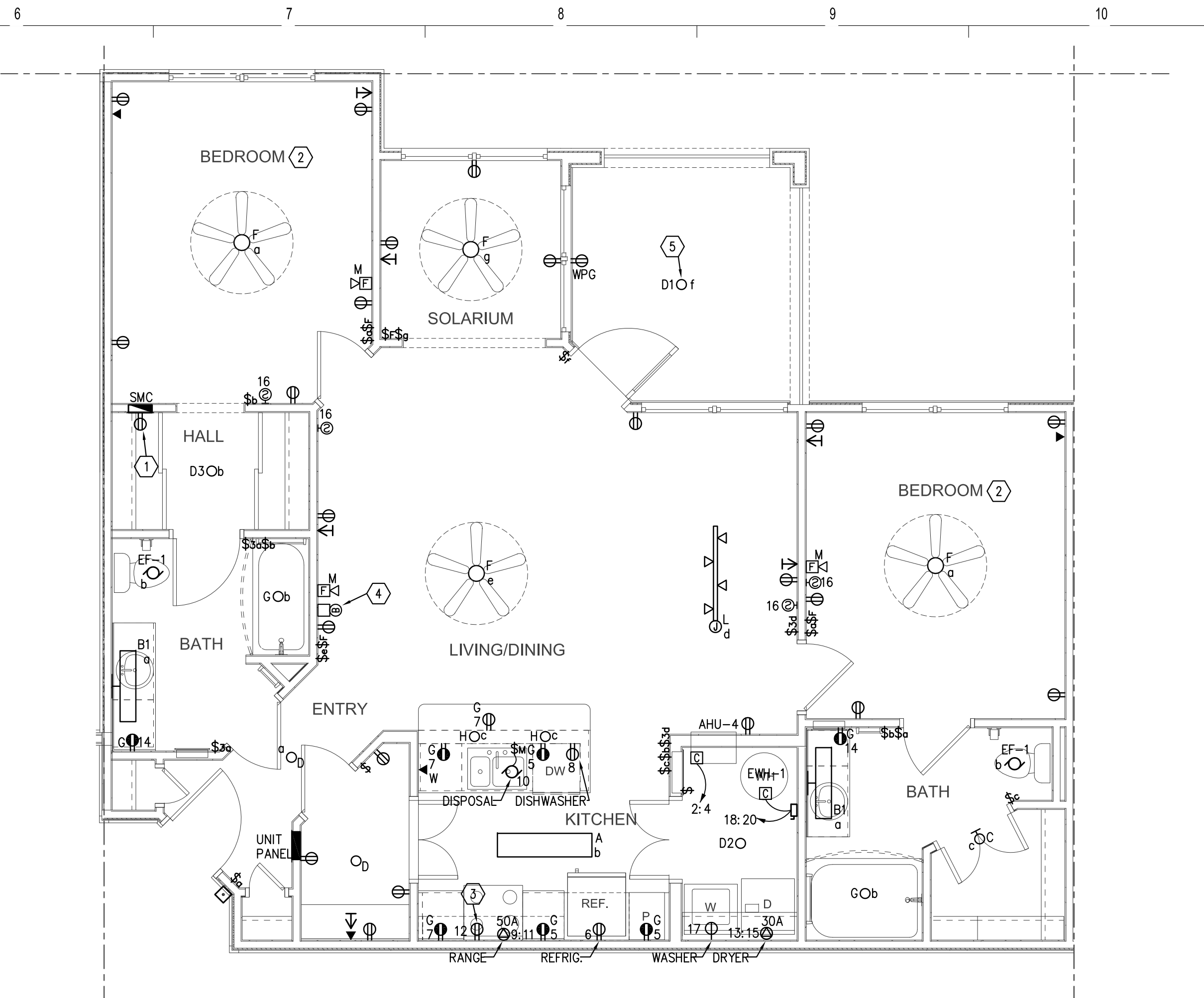
ENLARGED TYPICAL UNIT PLANS - ELECTRICAL

E3.01

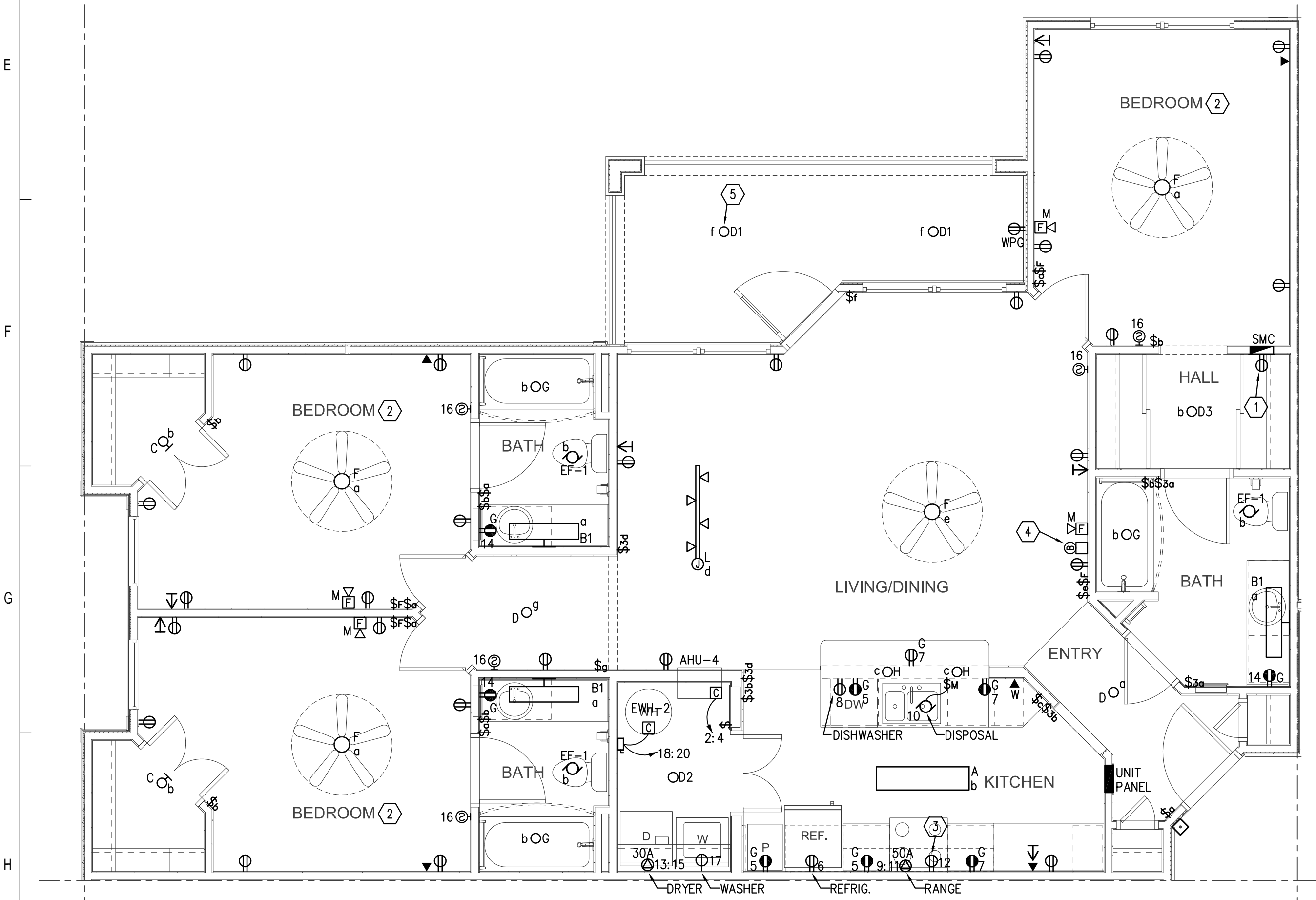




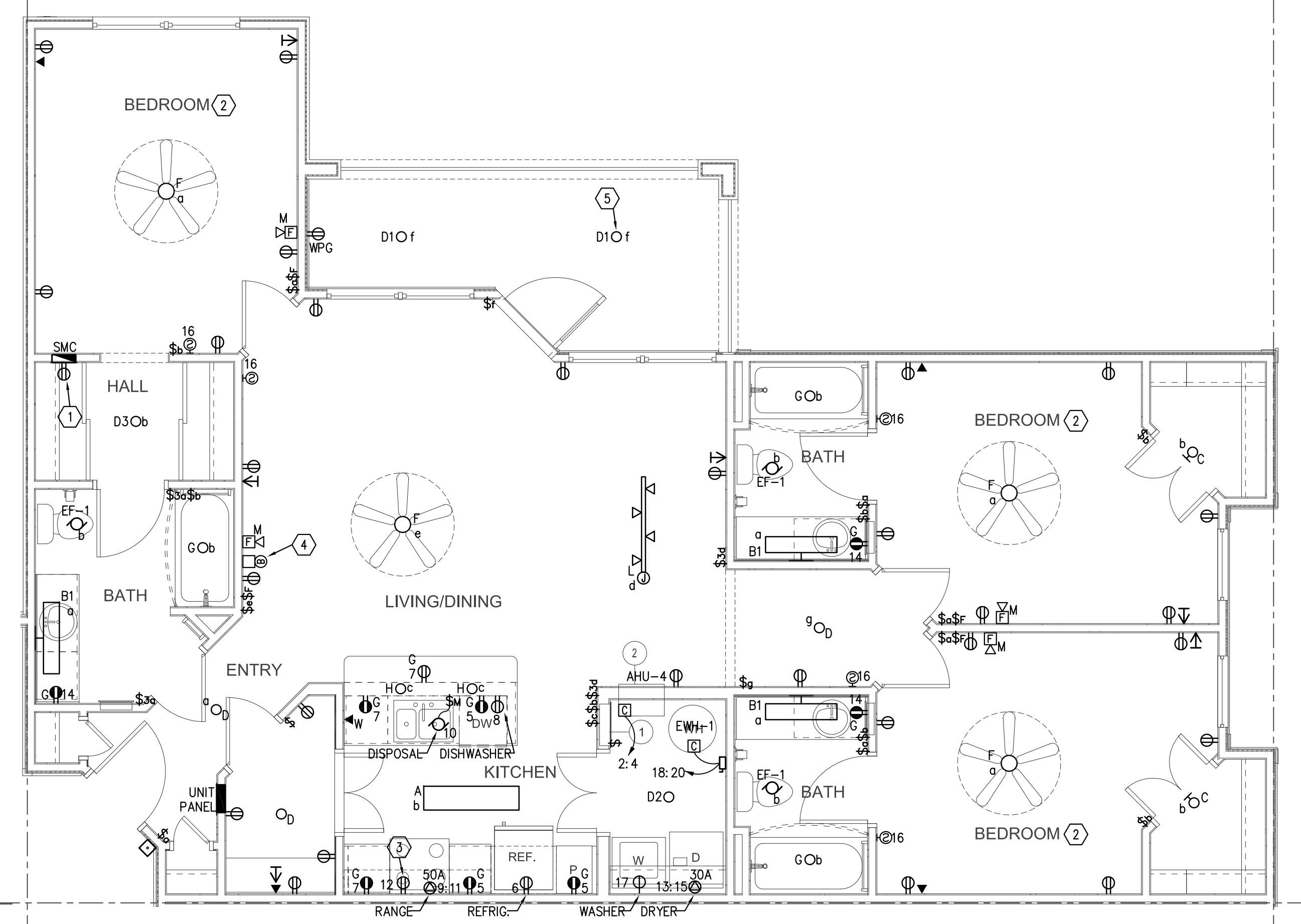
1 ENLARGED UNIT B2-CS - ELECTRICAL
E3.02 1/4" = 1'-0"



D6 ENLARGED UNIT B2-SS - ELECTRICAL
E3.02 1/4" = 1'-0"



H1 ENLARGED UNIT C1-C - ELECTRICAL
E3.02 1/4" = 1'-0"



H6 ENLARGED UNIT C1-S - ELECTRICAL
E3.02 1/4" = 1'-0"

GENERAL NOTES

- REFER TO SHEET "E0.01 AND E0.02" FOR GENERAL NOTES AND SYMBOL LEGEND.
- REFER TO SPECIFICATIONS.
- VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- ALL CIRCUITS ORIGINATE FROM THEIR RESPECTIVE UNIT PANEL LOCATED WITHIN UNIT, UNLESS OTHERWISE NOTED.
- REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E3.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
- IN UNITS DESIGNATED TO BE HANDICAP, PROVIDE MINI-HORN/ STROBES PER A.D.A. COORDINATE UNIT LOCATIONS WITH ARCHITECT.
- ALL OUTLETS SHALL BE SPACED IN ACCORDANCE WITH NEC ARTICLE 210.52
- ALL OUTLETS SHALL TAMPER RESISTANT IN ACCORDANCE WITH NEC ARTICLE 406.12
- ADJUST ELECTRICAL INSTALLATION AS NECESSARY FOR "MIRRORED" UNITS. REFER TO BUILDING PLANS FOR HEAT PUMP UNIT LOCATION.
- REFER TO UNIT PANEL SCHEDULE AND EQUIPMENT CONNECTION SCHEDULE FOR FEEDER, CIRCUIT BREAKER AMPERAGE AND DISCONNECT SWITCH REQUIREMENTS. TYPICAL FOR EACH UNIT.

REFERENCE NOTES

- RECEPTACLE INSTALLED INSIDE SYSTEM PANEL.
- PROVIDE ARC FAULT CURRENT PROTECTION FOR ALL BRANCH CIRCUITS SUPPLYING BEDROOMS IN ACCORDANCE WITH NEC 210.12(B). NOTE THAT ARC FAULT CIRCUIT PROTECTION REQUIRES A DEDICATED NEUTRAL FROM THE CIRCUIT BREAKER. MULTI-WIRE BRANCH CIRCUITS ARE THEREFORE NOT PERMITTED FOR BEDROOM CIRCUITS.
- LOCATE OUTLET IN MILLWORK FOR MICROWAVE/EXHAUST FAN. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE STEP DOWN TRANSFORMER/CHIME/DOOR BELL AND CONNECT COMPLETE.
- FLUSH MOUNTED JUNCTION BOX USED FOR LIGHT SHALL BE U.L. LISTED FOR OWNER'S FUTURE USE AS A SOLE SUPPORT OF A CEILING SUSPENDED (PADBLE) FAN. PROVIDE JUNCTION BOX IN ACCORDANCE WITH NEC 314.27(D). RATED FOR 35lbs AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE HOT WIRE CAPPED IN JUNCTION BOX FOR PULL CHAIN CONTROL IN FAN.

ISSUE HISTORY

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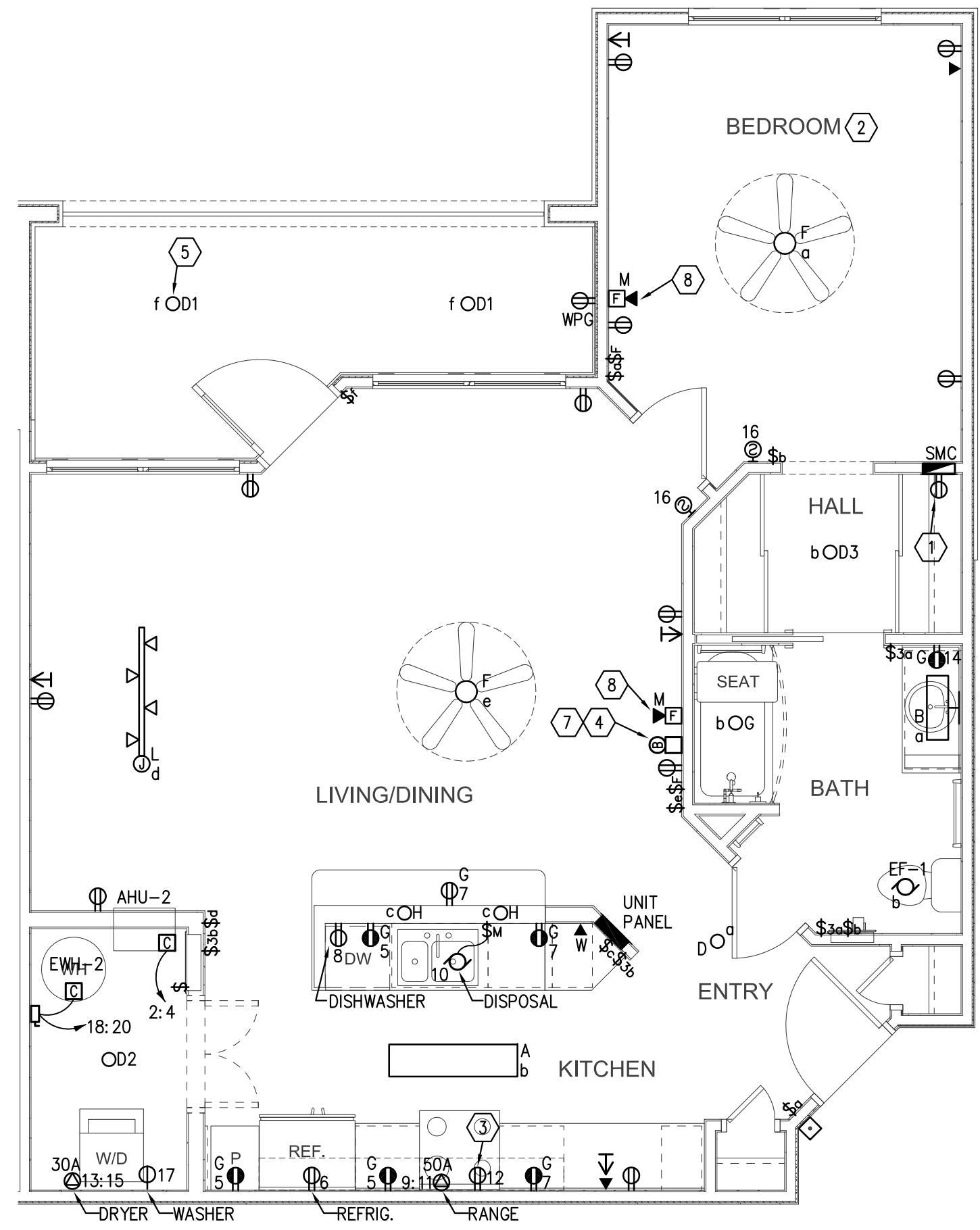
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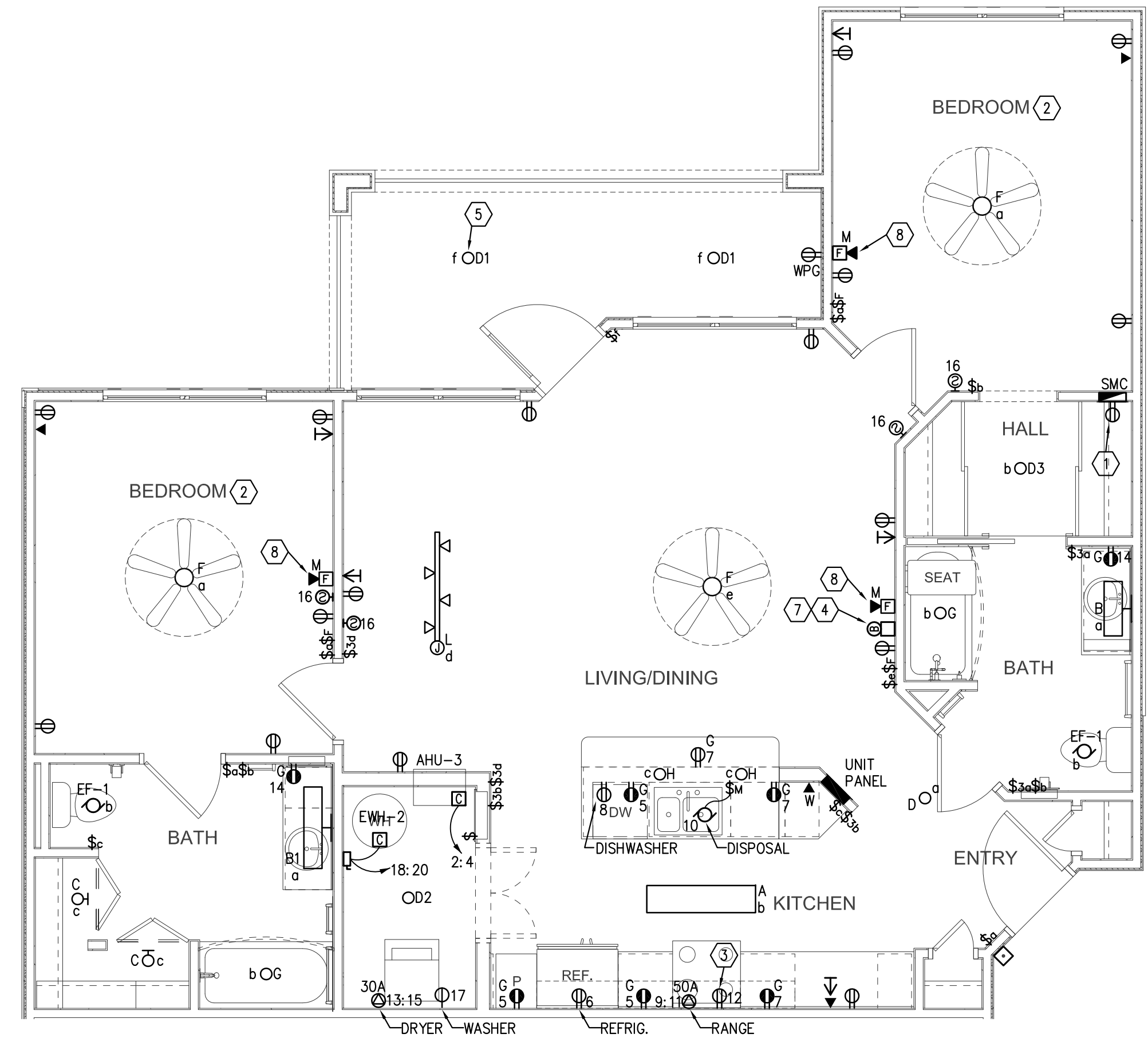
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-40

ENLARGED TYPICAL UNIT PLANS - ELECTRICAL
E3.02

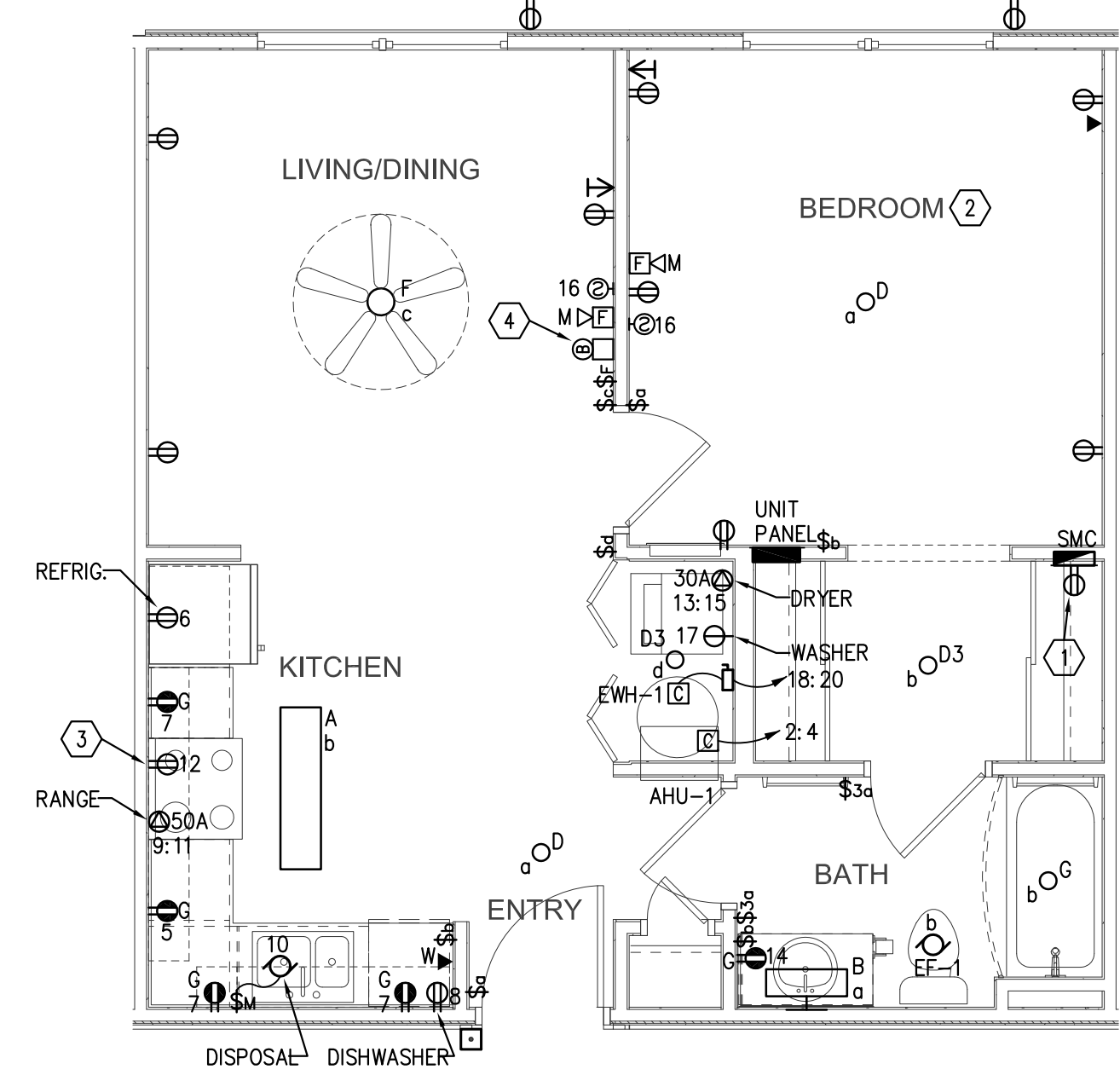




D1 ENLARGED UNIT A1-C ANSI - ELECTRICAL
E3.03 1/4" = 1'-0"



D6 ENLARGED UNIT B1-C ANSI - ELECTRICAL
E3.03 1/4" = 1'-0"



H6 ENLARGED UNIT S1 - ELECTRICAL
E3.03 1/4" = 1'-0"

- GENERAL NOTES**
- REFER TO SHEET "E0.01 AND E0.02" FOR GENERAL NOTES AND SYMBOL LEGEND.
 - REFER TO SPECIFICATIONS.
 - VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
 - ALL CIRCUITS ORIGINATE FROM THEIR RESPECTIVE UNIT PANEL LOCATED WITHIN UNIT, UNLESS OTHERWISE NOTED.
 - REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
 - IN UNITS DESIGNATED TO BE HANDICAP, PROVIDE MINI-HORN/ STROBES PER A.D.A. COORDINATE UNIT LOCATIONS WITH ARCHITECT.
 - ALL OUTLETS SHALL BE SPACED IN ACCORDANCE WITH NEC ARTICLE 210.52
 - ALL OUTLETS SHALL TAMPER RESISTANT IN ACCORDANCE WITH NEC ARTICLE 406.12
 - ADJUST ELECTRICAL INSTALLATION AS NECESSARY FOR "MIRRORED" UNITS. REFER TO BUILDING PLANS FOR HEAT PUMP UNIT LOCATION.
 - REFER TO UNIT PANEL SCHEDULE AND EQUIPMENT CONNECTION SCHEDULE FOR FEEDER, CIRCUIT BREAKER AMPERAGE AND DISCONNECT SWITCH REQUIREMENTS. TYPICAL FOR EACH UNIT.

- REFERENCE NOTES**
- RECEPTACLE INSTALLED INSIDE SYSTEM PANEL.
 - PROVIDE ARC FAULT CURRENT PROTECTION FOR ALL BRANCH CIRCUITS SUPPLYING BEDROOMS IN ACCORDANCE WITH NEC 210.12(B). NOTE THAT ARC FAULT CIRCUIT PROTECTION REQUIRES A DEDICATED NEUTRAL FROM THE CIRCUIT BREAKER. MULTI-WIRE BRANCH CIRCUITS ARE THEREFORE NOT PERMITTED FOR BEDROOM CIRCUITS.
 - LOCATE OUTLET IN MILLWORK FOR MICROWAVE/EXHAUST FAN. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - PROVIDE STEP DOWN TRANSFORMER/CHIME/DOOR BELL AND CONNECT COMPLETE.
 - FLUSH MOUNTED JUNCTION BOX USED FOR LIGHT SHALL BE U.L. LISTED FOR OWNER'S FUTURE USE AS A SOLE SUPPORT OF A CEILING SUSPENDED (PADDLER) FAN. PROVIDE JUNCTION BOX IN ACCORDANCE WITH NEC 314.27(D). RATED FOR 35lbs AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE HOT WIRE CAPPED IN JUNCTION BOX FOR PULL CHAIN CONTROL IN FAN.
 - NOT USED.
 - PROVIDE DOOR BELL WITH VISUAL LIGHT IN ANSI UNIT.
 - PROVIDE MINI-HORN STROBES PER ADA. INTERLOCK SMOKE DETECTORS TO ALARM AND ACTIVATE MINI-HORN STROBES PER NFPA.

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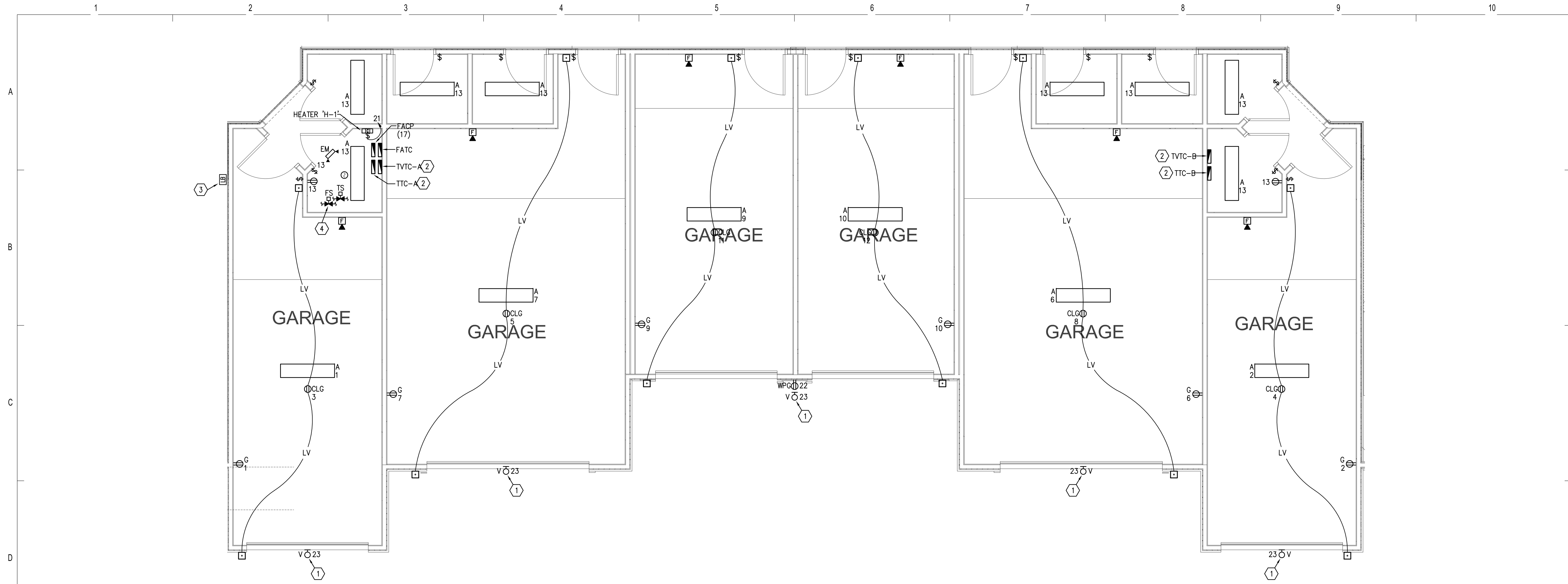
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

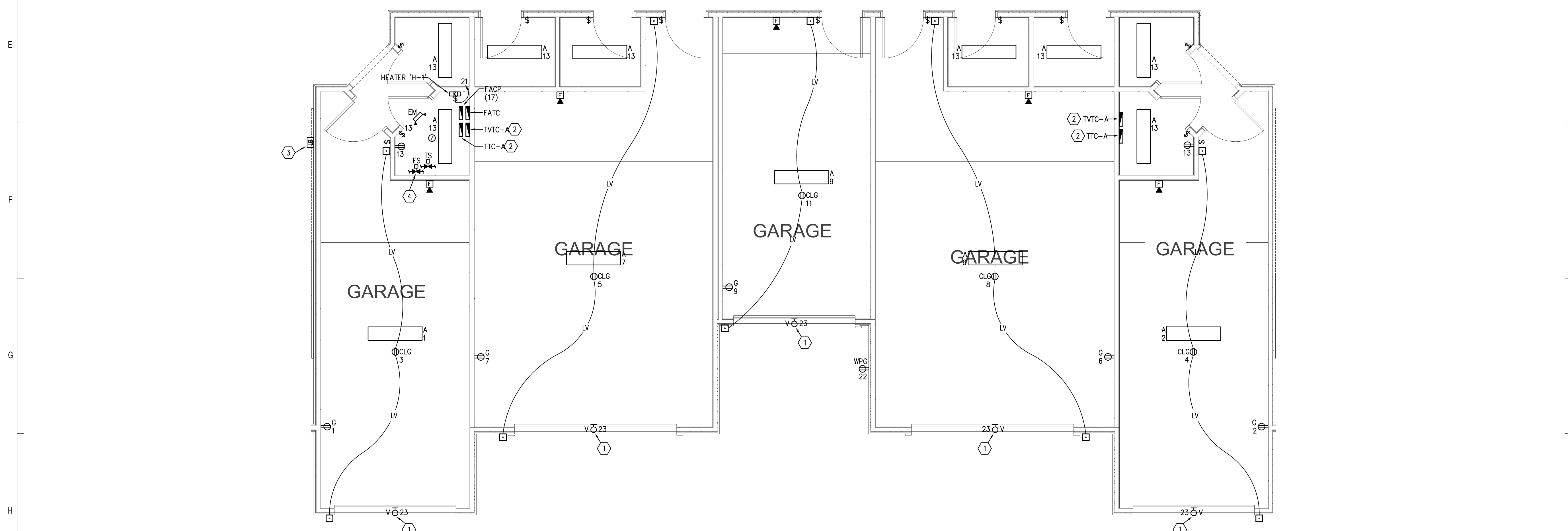
ENLARGED TYPICAL UNIT PLANS - ELECTRICAL E3.03

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400





D1 ENLARGED GARAGE PLAN - BUILDING TYPE 1
E3.04 1/8" = 1'-0"



H1 ENLARGED GARAGE PLAN - BUILDING TYPE 2
E3.04 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
2. REFER TO SPECIFICATIONS.
3. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO CORRESPONDING BUILDING'S HOUSE PANEL (UNLESS NOTED OTHERWISE).
5. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
6. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
7. ALL WIRING SHALL BE #10 THWN CU MINIMUM.

REFERENCE NOTES

1. CONNECT VIA PHOTOCELL.
2. REFER TO TELEPHONE AND CATV RISER DIAGRAMS.
3. PROVIDE KNOX BOX AND CONNECT TO FIRE ALARM SYSTEM AS REQUIRED. EXACT MOUNTING HEIGHT TO BE DETERMINED BY THE BUILDING AND FIRE DEPARTMENT.
4. PROVIDE ADDRESSABLE MONITORING MODULES (FLOW SWITCH, TAMPER SWITCH AND BACKFLOW PREVENTER TAMPER SWITCHES). PROVIDE SURGE SUPPRESSION TO SIGNALING LINE CIRCUIT, FED FROM FIRE ALARM CONTROL PANEL. PROVIDE SURGE SUPPRESSION TO CIRCUITS COMING FROM FLOW SWITCHES AND TAMPER SWITCH. ALL CONDUIT CONNECTIONS TO FIRE PROTECTION SWITCHES SHALL BE WITH U.L. LISTED LIQUID TIGHT FLEXIBLE CONDUIT.

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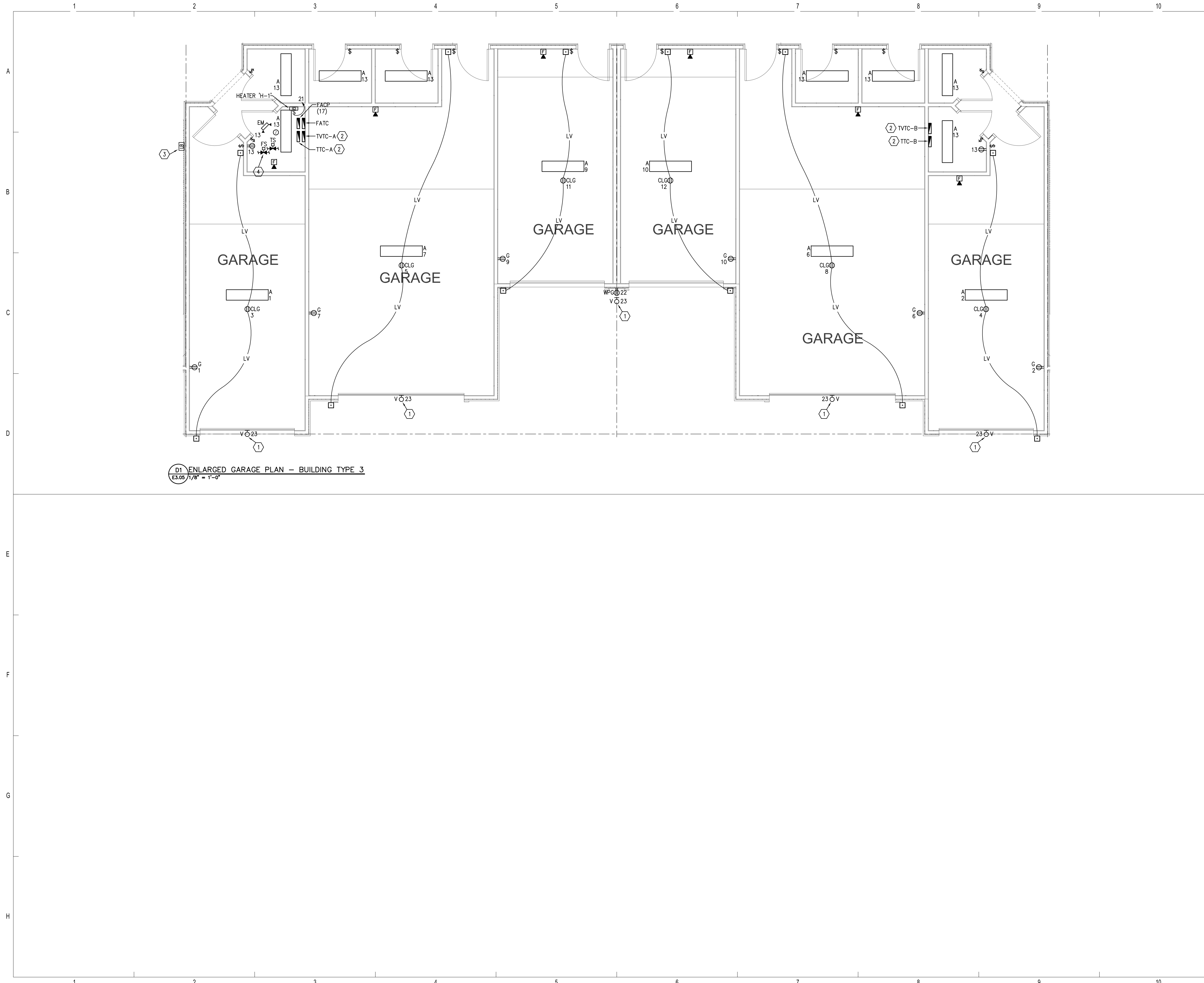
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

ENLARGED TYPICAL GARAGE PLANS - ELECTRICAL





D1 ENLARGED GARAGE PLAN - BUILDING TYPE 3
 E3.05 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 'E0.01 AND E0.02' FOR GENERAL NOTES AND SYMBOL LEGEND.
2. REFER TO SPECIFICATIONS.
3. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO CORRESPONDING BUILDING'S HOUSE PANEL (UNLESS NOTED OTHERWISE).
5. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.
6. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
7. ALL WIRING SHALL BE #10 THWN CU MINIMUM.

REFERENCE NOTES

- ① CONNECT VIA PHOTOCELL.
- ② REFER TO TELEPHONE AND CATV RISER DIAGRAMS.
- ③ PROVIDE KNOX BOX AND CONNECT TO FIRE ALARM SYSTEM AS REQUIRED. EXACT MOUNTING HEIGHT TO BE DETERMINED BY THE BUILDING AND FIRE DEPARTMENT.
- ④ PROVIDE ADDRESSABLE MONITORING MODULES (FLOW SWITCH, TAMPER SWITCH AND BACKFLOW PREVENTER TAMPER SWITCHES). PROVIDE SURGE SUPPRESSION TO SIGNALING LINE CIRCUIT, FED FROM FIRE ALARM CONTROL PANEL. PROVIDE SURGE SUPPRESSION TO CIRCUITS COMING FROM FLOW SWITCHES AND TAMPER SWITCH. ALL CONDUIT CONNECTIONS TO FIRE PROTECTION SWITCHES SHALL BE WITH U.L. LISTED LIQUID TIGHT FLEXIBLE CONDUIT.

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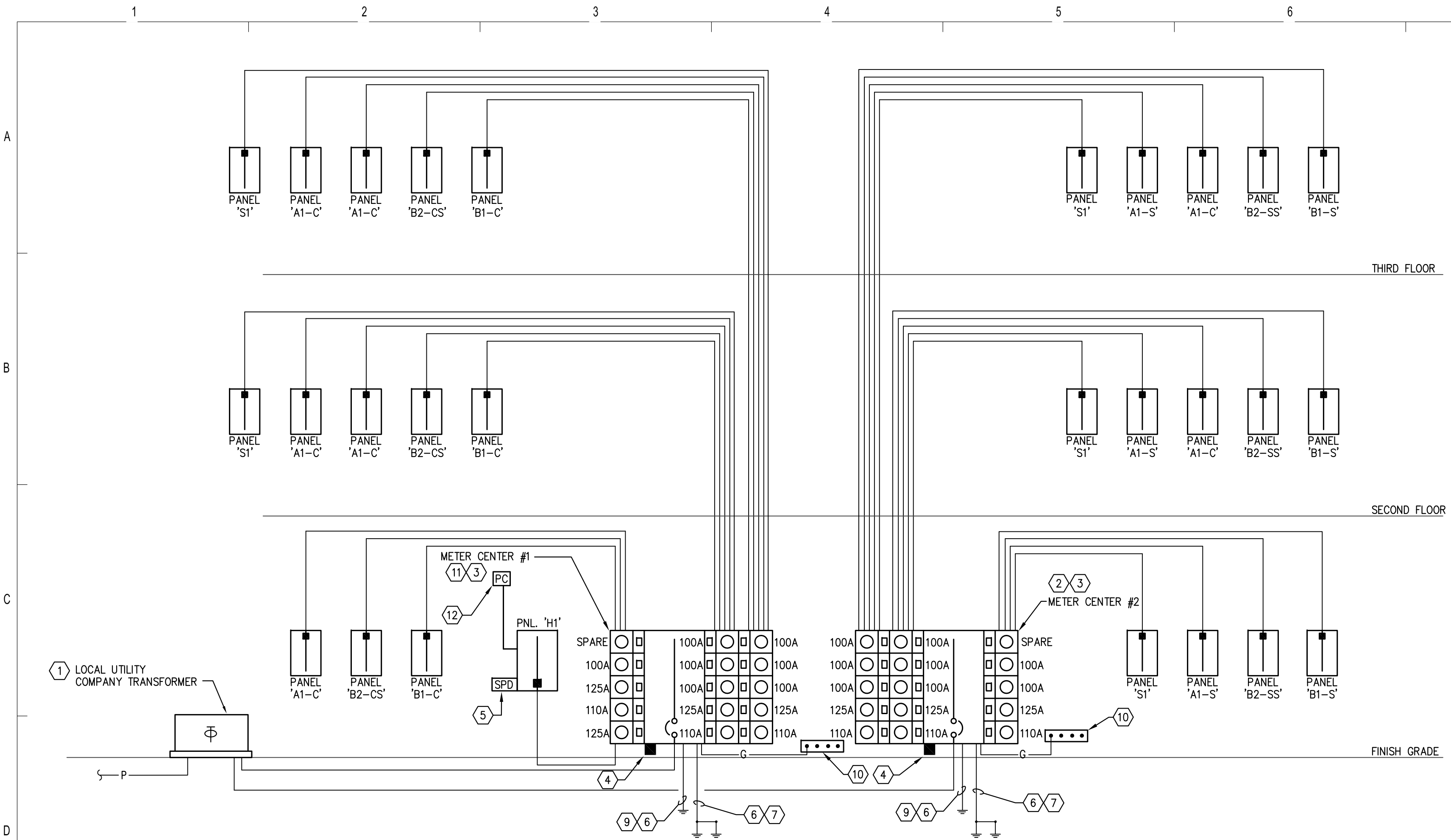


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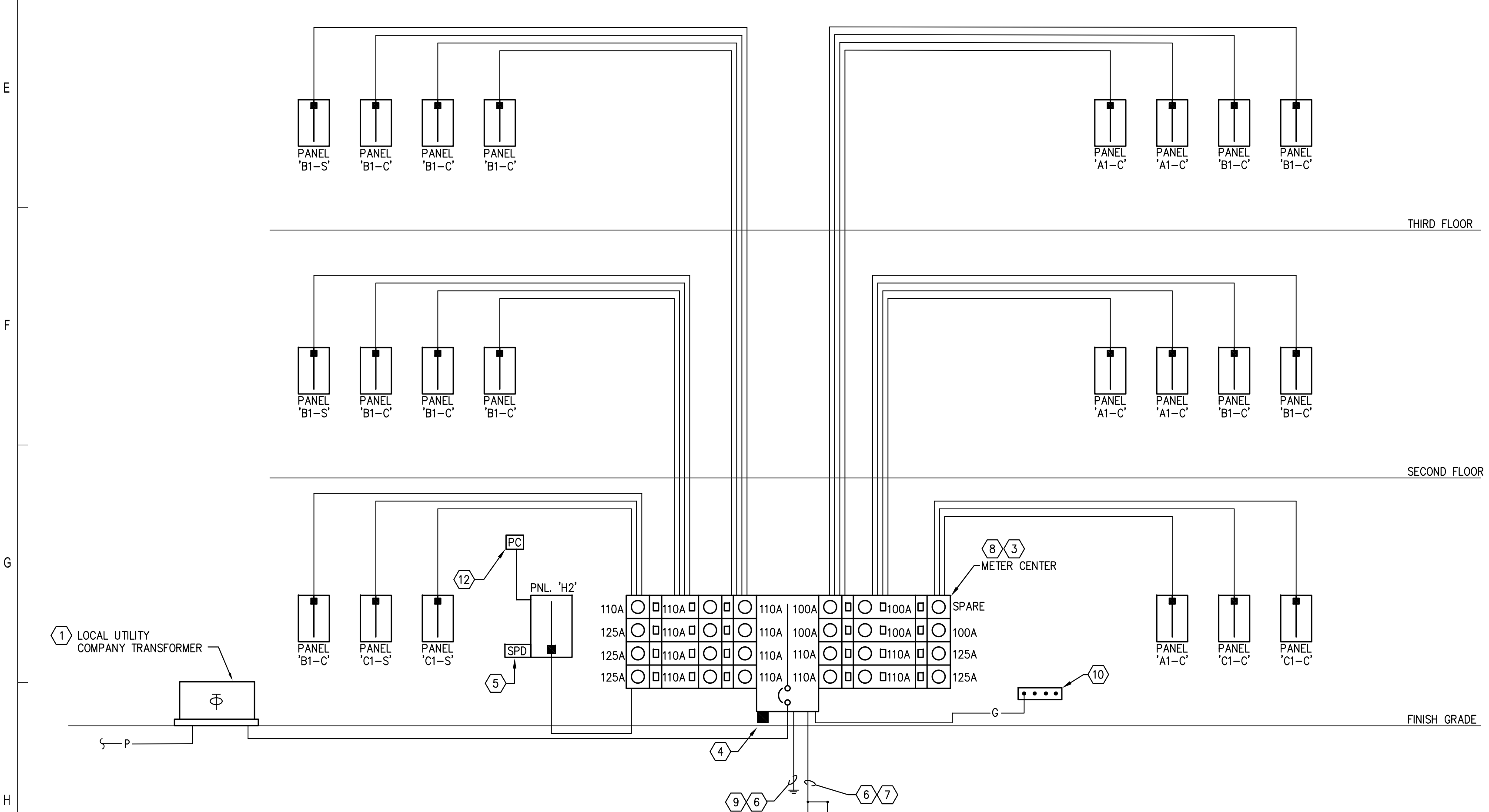
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BRIDGEWAY APARTMENTS CHATTANOOGA, TN	Drawn: TLC
	Checked: RDP
	Approved: KJC
	Date: 04/29/2013
ENLARGED TYPICAL GARAGE PLANS - ELECTRICAL	Project #: 5166-400
	E3.05





1 BUILDING TYPE 1 POWER RISER DIAGRAM
E4.01 N.T.S.



2 BUILDING TYPE 2 POWER RISER DIAGRAM
E4.01 N.T.S.

PANEL FEEDER SCHEDULE
PROJECT: BRIDGEWAY APARTMENTS - BUILDING TYPE 1
DATE: 06/04/13

FEEDER	FEEDING	AMP SIZE	VOLTS	PHASE	FEEDER CAPACITY	FEEDER VOLT DROP %	PARALLEL RUNS	PHASE WIRE	NEUTRAL WIRE	FEEDER GROUND WIRE	ISOLATED GROUND	COPPER/ALUMINIUM	CONDUIT SIZE
METER CENTER #1		1200	240	1	1240	1.80	4	#500	#500	N/A	N/A	ALUMINIUM	3"
METER CENTER #2		1000	240	1	1020	1.69	3	#600	#600	N/A	N/A	ALUMINIUM	4"
UNIT PANEL A1-C		100	240	1	100	2.50	1	#1	#1	#6	N/A	ALUMINIUM	SER CABLE
UNIT PANEL A1-S		100	240	1	100	2.50	1	#1	#1	#6	N/A	ALUMINIUM	SER CABLE
UNIT PANEL B1-C		110	240	1	120	1.70	1	#10	#10	#4	N/A	ALUMINIUM	SER CABLE
UNIT PANEL B1-S		110	240	1	120	2.51	1	#10	#10	#4	N/A	ALUMINIUM	SER CABLE
UNIT PANEL B2-CS		125	240	1	135	1.00	1	#20	#20	#4	N/A	ALUMINIUM	SER CABLE
UNIT PANEL B2-SS		125	240	1	135	2.33	1	#20	#20	#4	N/A	ALUMINIUM	SER CABLE
UNIT PANEL S1		100	240	1	100	2.50	1	#1	#1	#6	N/A	ALUMINIUM	SER CABLE
PANEL H1		125	240	1	130	0.13	1	#1	#1	#6	N/A	COPPER	1-1/2"

- REFERENCE NOTES:**
- COORDINATE EXACT LOCATION AND QUANTITIES OF UTILITY TRANSFORMERS WITH CIVIL ENGINEER AND LOCAL POWER COMPANY PRIOR TO ROUGH-IN.
 - FURNISH AND INSTALL 120/240V, 1 PHASE, 3W, 1000A MAIN DEVICE METER CENTER IN NEMA 3R ENCLOSURE WITH A TOTAL OF (3) METER SECTIONS. SERVICE ENTRANCE RATED AND LABELED WITH MINIMUM A.I.C. RATING OF 65K. REFER TO POWER RISER DIAGRAM FOR METER SOCKET AND CIRCUIT BREAKER SIZE REQUIREMENTS. LABEL "MAIN SERVICE DISCONNECT, #2 OF 2."
 - COORDINATE/VERIFY METERING EQUIPMENT CONFIGURATION WITH LOCAL UTILITY CO.
 - PROVIDE HARD-WIRED SECONDARY SURGE ARRESTOR (SQ. D "SDSA" SERIES OR APPROVED SUBSTITUTION).
 - PROVIDE SURGE PROTECTIVE DEVICE (SQ. D "HWA" SERIES OR APPROVED SUBSTITUTION). MINIMUM 100KA RATING.
 - #3/0 COPPER GROUND CONDUCTOR.
 - GROUNDING ELECTRODE CONDUCTOR TO (2) 5/8"x20"-0" COPPERCLAD GROUND RODS MINIMUM 20'-0" APART.
 - FURNISH AND INSTALL 120/240V, 1 PHASE, 3W, 1600A MAIN DEVICE METER CENTER IN NEMA 3R ENCLOSURE WITH A TOTAL OF (6) METER SECTIONS. SERVICE ENTRANCE RATED AND LABELED WITH A MINIMUM A.I.C. RATING OF 65K. REFER TO POWER RISER DIAGRAM FOR METER SOCKET AND CIRCUIT BREAKER SIZE REQUIREMENTS. LABEL "MAIN SERVICE DISCONNECT."
 - PROVIDE CONCRETE ENCASED ELECTRODE (ENCASE (1)#3/0 CU BARE CONDUCTOR IN CONCRETE FOOTER, MINIMUM 20'-0" OF CONDUCTOR WITH AT LEAST 2" OF CONCRETE COVER. BOND TO REBAR WHERE APPLICABLE.
 - PROVIDE EXTERNAL INTERSYSTEM BONDING TERMINATION (PER NEC 250.94) WITH MIN. #2 COPPER GROUND CONDUCTOR CONNECTION TO EQUIPMENT GROUNDING BUS IN METER CENTER. THE INTERSYSTEM BONDING TERMINATION SHALL HAVE A MIN. OF THREE TERMINATION POINTS.
 - FURNISH AND INSTALL 120/240V, 1 PHASE, 3W, 1200A MAIN DEVICE METER CENTER IN NEMA 3R ENCLOSURE WITH A TOTAL OF (3) METER SECTIONS. SERVICE ENTRANCE RATED AND LABELED WITH MINIMUM A.I.C. RATING OF 65K. REFER TO POWER RISER DIAGRAM FOR METER SOCKET AND CIRCUIT BREAKER SIZE REQUIREMENTS. LABEL "MAIN SERVICE DISCONNECT, #1 OF 2."
 - PROVIDE PHOTOCELL FOR CONTROL OF EXTERIOR BUILDING LIGHTS (QUANTITY AS REQUIRED). MOUNT 9'-0" A.F.G. ON BUILDING EXTERIOR. AM NORTH.

PANEL FEEDER SCHEDULE
PROJECT: BRIDGEWAY APARTMENTS - BUILDING TYPE 2
DATE: 06/04/13

FEEDER	FEEDING	AMP SIZE	VOLTS	PHASE	FEEDER CAPACITY	FEEDER VOLT DROP %	PARALLEL RUNS	PHASE WIRE	NEUTRAL WIRE	FEEDER GROUND WIRE	ISOLATED GROUND	COPPER/ALUMINIUM	CONDUIT SIZE
METER CENTER		1600	240	1	1700	1.82	5	#600	#600	N/A	N/A	ALUMINIUM	4"
UNIT PANEL A1-C		100	240	1	100	2.58	1	#1	#1	#6	N/A	ALUMINIUM	SER CABLE
UNIT PANEL B1-C		110	240	1	120	2.57	1	#10	#10	#4	N/A	ALUMINIUM	SER CABLE
UNIT PANEL B1-S		110	240	1	120	1.83	1	#10	#10	#4	N/A	ALUMINIUM	SER CABLE
UNIT PANEL C1-C		125	240	1	135	2.33	1	#20	#20	#4	N/A	ALUMINIUM	SER CABLE
UNIT PANEL C1-S		125	240	1	135	1.00	1	#20	#20	#4	N/A	ALUMINIUM	SER CABLE
PANEL H2		125	240	1	130	0.13	1	#1	#1	#6	N/A	COPPER	1-1/2"

- GENERAL NOTES:**
- REFER TO SHEET "E0.01" FOR SYMBOL LEGEND.
 - REFER TO SHEET "E0.02" FOR GENERAL NOTES.
 - REFER TO SPECIFICATIONS.
 - COORDINATE ALL WORK WITH LOCAL UTILITY CO. PRIOR TO COMMENCING WORK.

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT ISSUE

REVISION HISTORY

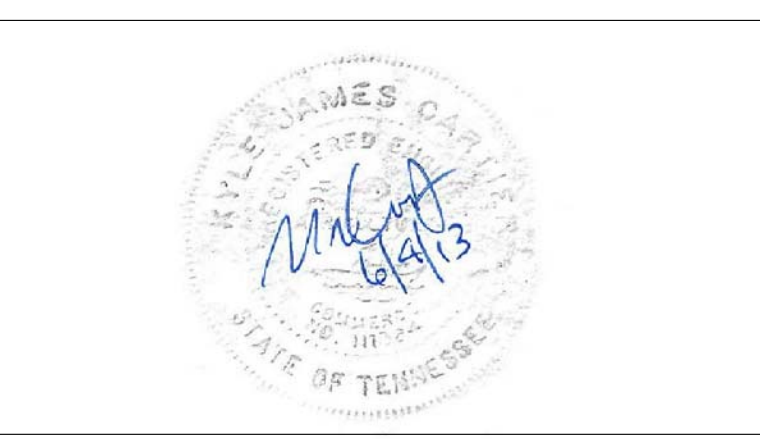
No.	Date	Description

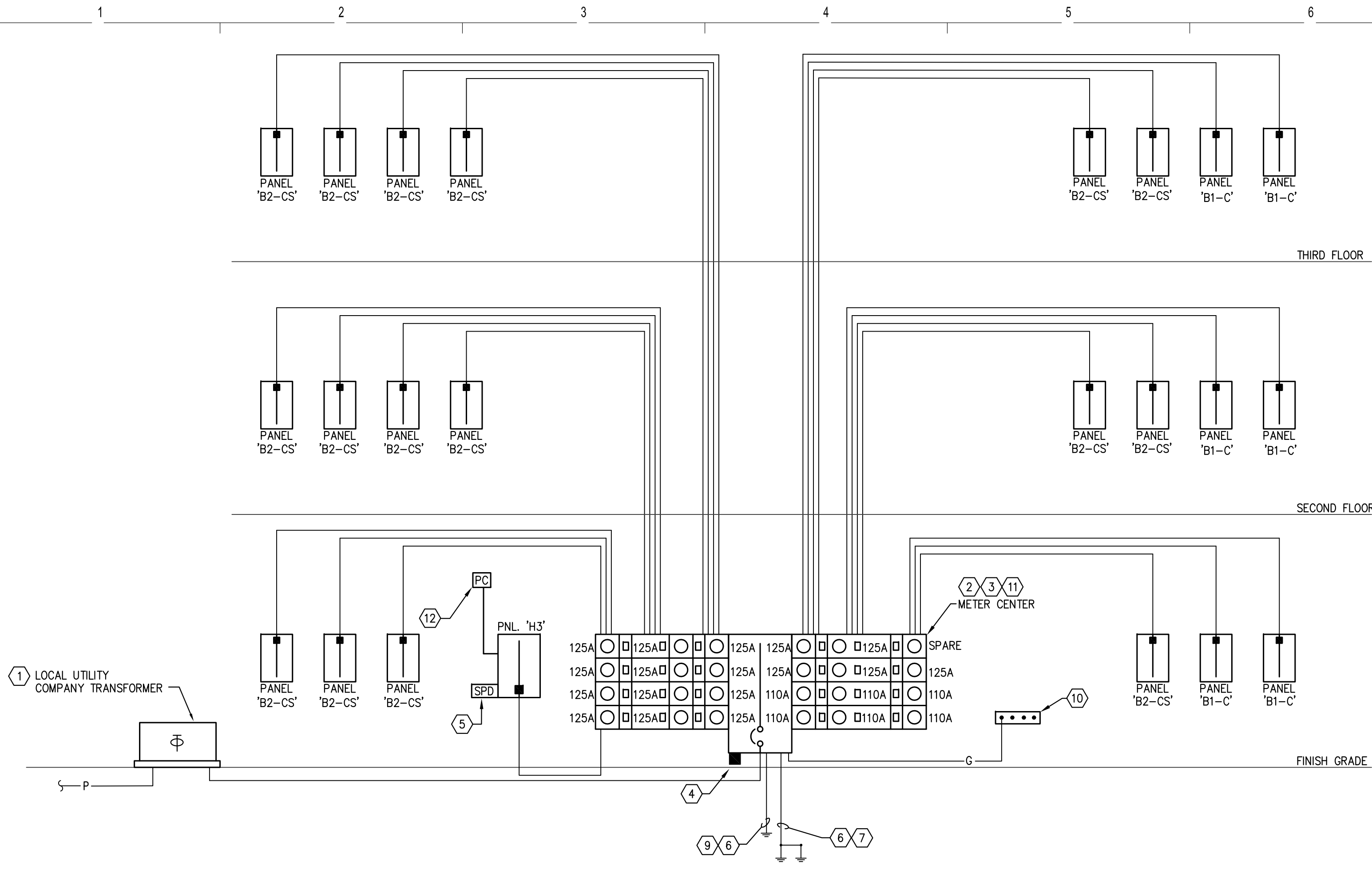
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
RISER DIAGRAMS AND SCHEDULES
E4.01

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400





D1 BUILDING TYPE 3 POWER RISER DIAGRAM
E4.02 N.T.S.

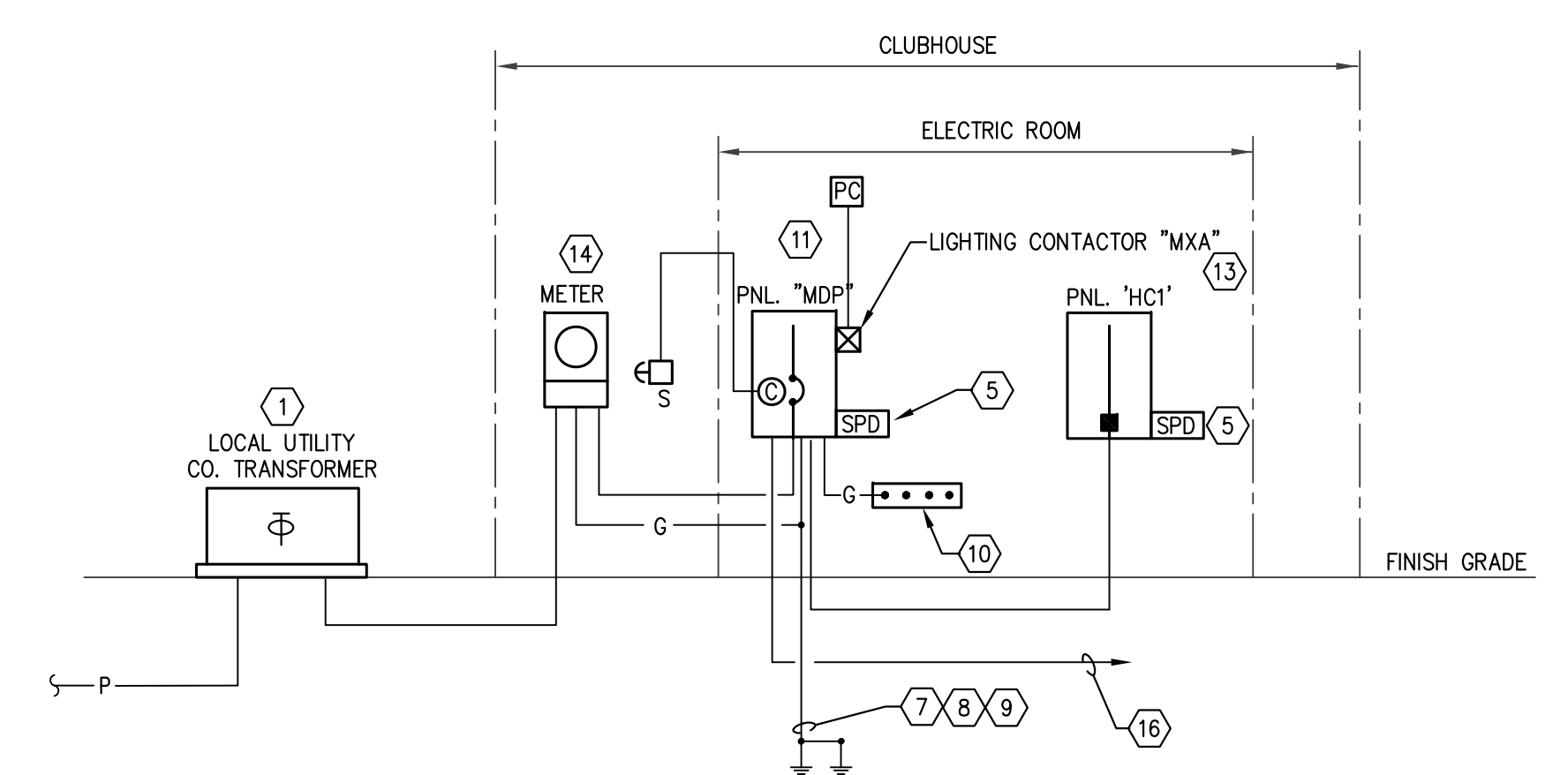
PROJECT: BRIDGEWAY APARTMENTS - BUILDING TYPE 3												DATE: 06/04/13	
FEEDER	AMP SIZE	VOLTS	PHASE	CAPACITY	VOLT DROP %	PARALLEL RUNS	PHASE WIRE	NEUTRAL WIRE	GROUND WIRE	ISOLATED GROUND	COPPER/ALUMINUM	CONDUIT SIZE	
METER CENTER	1600	240	1	1700	1.62	5	#600	#600	N/A	N/A	ALUMINUM	4"	
UNIT PANEL B1-C	110	240	1	120	2.57	1	#10	#10	#4	N/A	ALUMINUM	SER CABLE	
UNIT PANEL B2-CS	125	240	1	135	2.00	1	#2/0	#2/0	#4	N/A	ALUMINUM	SER CABLE	
UNIT PANEL B2-SS	125	240	1	135	2.00	1	#2/0	#2/0	#4	N/A	ALUMINUM	SER CABLE	
PANEL H3	125	240	1	130	0.13	1	#1	#1	#6	N/A	COPPER	1-1/2"	

- REFERENCE NOTES:**
- COORDINATE EXACT LOCATION AND QUANTITIES OF UTILITY TRANSFORMERS WITH CIVIL ENGINEER AND LOCAL POWER COMPANY PRIOR TO ROUGH-IN.
 - FURNISH AND INSTALL 120/240V, 1 PHASE, 3W, 1600A MAIN DEVICE METER CENTER IN NEMA 3R ENCLOSURE WITH A TOTAL OF (6) METER SECTIONS. SERVICE ENTRANCE RATED AND LABELED WITH MINIMUM A.I.C. RATING OF 65K. REFER TO POWER RISER DIAGRAM FOR METER SOCKET AND CIRCUIT BREAKER SIZE REQUIREMENTS.
 - COORDINATE/VERIFY METERING EQUIPMENT CONFIGURATION WITH LOCAL UTILITY CO.
 - PROVIDE HARD-WIRED SECONDARY SURGE ARRESTOR (SQ. D "SDSA" SERIES OR APPROVED SUBSTITUTION).
 - PROVIDE SURGE PROTECTIVE DEVICE (SQ. D "HWA" SERIES OR APPROVED SUBSTITUTION). MINIMUM 100KA RATING.
 - #3/0 COPPER GROUND CONDUCTOR.
 - GROUNDING ELECTRODE CONDUCTOR TO (2) 5/8"-20"-0" COPPERCLAD GROUND RODS MINIMUM 20'-0" APART.
 - #1/0 COPPER GROUND CONDUCTOR.
 - PROVIDE CONCRETE ENCASED ELECTRODE (ENCASE (1) #3/0 CU BARE CONDUCTOR IN CONCRETE FOOTER, MINIMUM 20'-0" OF CONDUCTOR WITH AT LEAST 2" OF CONCRETE COVER. BOND TO REBAR WHERE APPLICABLE.
 - PROVIDE EXTERNAL INTERSYSTEM BONDING TERMINATION (PER NEC 250.94) WITH MIN. #2 COPPER GROUND CONDUCTOR CONNECTION TO EQUIPMENT GROUNDING BUS IN METER CENTER. THE INTERSYSTEM BONDING TERMINATION SHALL HAVE A MIN. OF THREE TERMINATION POINTS.
 - LABEL "MAIN SERVICE DISCONNECT."
 - PROVIDE PHOTOCELL FOR CONTROL OF EXTERIOR BUILDING LIGHTS. (QUANTITY AS REQUIRED). MOUNT 9'-0" A.F.G. ON BUILDING EXTERIOR. AIM NORTH.
 - REFER TO WIRING SCHEMATIC/DETAIL ON SHEET E7.01.
 - PROVIDE METER BASE WITH NEMA 3R ENCLOSURE. METER BASE SHALL BE PROVIDED AND INSTALLED PER POWER CO. REQUIREMENTS. EXACT LOCATION TO BE DETERMINED BY CIVIL ENGINEER AND POWER COMPANY BASED ON THE UTILITY TRANSFORMER LOCATION. PROVIDE GROUNDING PER REQUIREMENTS OF UTILITY CO.
 - 2P, 240V, S/N. NEMA 3R DISCONNECT SWITCH FUSED AT 60A. SERVICE ENTRANCE RATED AND LABELED.
 - TO POOL EQUIPMENT. COORDINATE/VERIFY EXACT POWER REQUIREMENTS AND LOCATION OF POOL EQUIPMENT WITH POOL CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
 - CONNECT VIA 2P, 240V, NEMA 3R DISCONNECT SWITCH FUSED AT 30A.

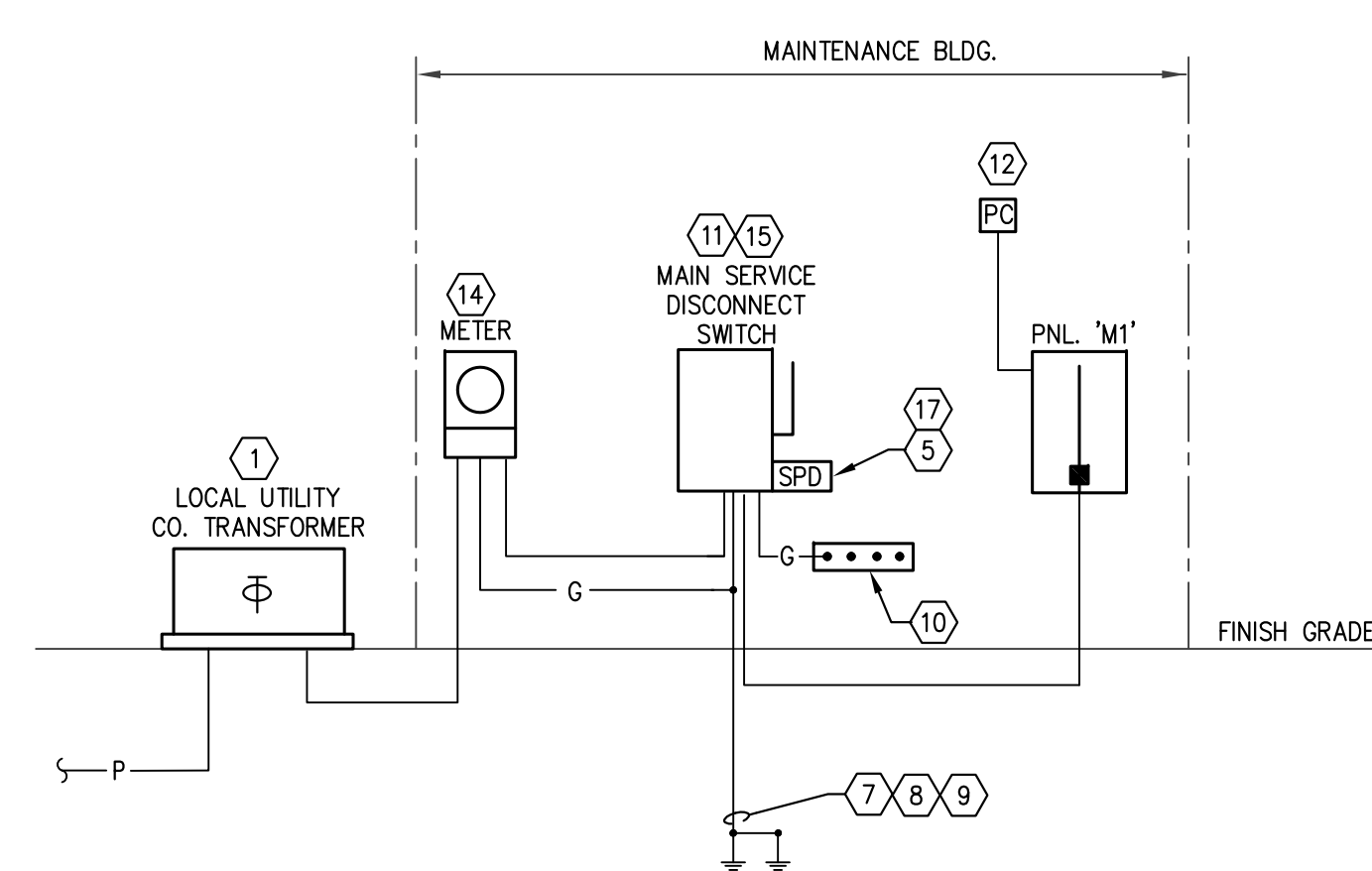
- GENERAL NOTES:**
- REFER TO SHEET "E0.01" FOR SYMBOL LEGEND.
 - REFER TO SHEET "E0.02" FOR GENERAL NOTES.
 - REFER TO SPECIFICATIONS.
 - COORDINATE ALL WORK WITH LOCAL UTILITY CO. PRIOR TO COMMENCING WORK.

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT ISSUE

REVISION HISTORY		
No.	Date	Description



H1 CLUBHOUSE POWER RISER DIAGRAM
E4.02 N.T.S.



H2 MAINTENANCE BLDG. POWER RISER DIAGRAM
E4.02 N.T.S.

PROJECT: BRIDGEWAY APARTMENTS - CLUBHOUSE & MAINTENANCE BLDG.												DATE: 06/04/13	
FEEDER	AMP SIZE	VOLTS	PHASE	CAPACITY	VOLT DROP %	PARALLEL RUNS	PHASE WIRE	NEUTRAL WIRE	GROUND WIRE	ISOLATED GROUND	COPPER/ALUMINUM	CONDUIT SIZE	
CLUBHOUSE	500	240	1	475	1.40	1	#750	#750	N/A	N/A	COPPER	4"	
METER	500	240	1	475	0.11	1	#750	#750	N/A	N/A	COPPER	4"	
PANEL MDP	175	240	1	175	0.12	1	#2/0	#2/0	#6	N/A	COPPER	2"	
PANEL HC1	100	240	1	100	2.58	1	#3	#3	#6	N/A	COPPER	1-1/4"	
POOL EQUIP. PANEL													
MAINTENANCE BLDG.	60	240	1	65	2.48	1	#4	#4	N/A	N/A	COPPER	1"	
METER	60	240	1	65	0.20	1	#6	#6	N/A	N/A	COPPER	3/4"	
MAIN DISCONNECT SWITCH	60	240	1	65	0.20	1	#6	#6	#10	N/A	COPPER	1"	
PANEL M1													



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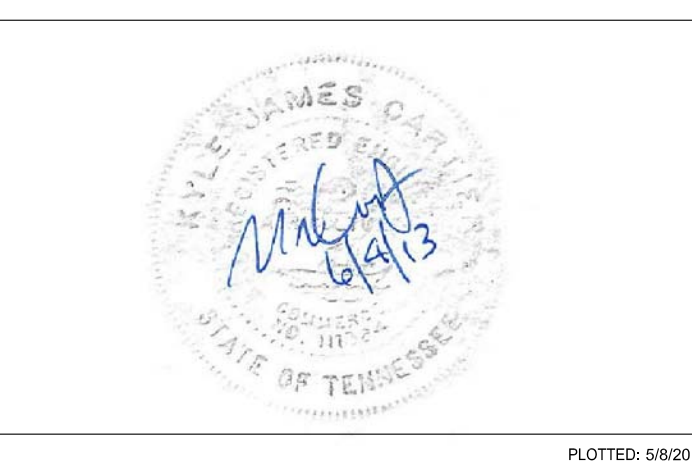


BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

RISER DIAGRAMS AND SCHEDULES

E4.02

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400



EQUIPMENT FEEDER SCHEDULE

PROJECT: BRIDGEWAY APARTMENTS - APARTMENT BUILDINGS TYPE 1, 2 & 3														DATE: 6/4/13						
EQUIPMENT DESCRIPTION	VOLTS	PH	NEUT Y OR N	MOTOR (LARGEST) H.P.	FLA	HEATER OR LIGHTING LOAD KW	AMPS	MISC AMPS	TOTAL AMPS	P.N.L. C.B. SIZE AMPS	DISCONNECT SIZE AMPS	FUSE SIZE AMPS	STARTER SIZE NEMA	VOLTAGE DROP PER PHASE	WRE #	NEUT WRE	GND WRE	# OF RUNS	CONDUIT SIZE	NOTES
AHU-1	240	1	N	0.33	3.80		3.0	12.5	16	20				0.54%	#12	#12		1	1/2"	e
AHU-2	240	1	N	0.33	3.90		4.8	19.8	23	30				0.62%	#10	#10		1	1/2"	e
AHU-3	240	1	N	0.33	3.90		7.0	29.2	33	40				0.75%	#8	#10		1	3/4"	e
AHU-4	240	1	N	0.50	4.90		7.0	29.2	34	45				0.76%	#8	#10		1	3/4"	e
HP-1	240	1	N		9.00	1.10			10	20	30	20		2.10%	#12	#12		1	1/2"	
HP-2	240	1	N		12.80	1.10			14	25	30	25		2.09%	#10	#10		1	1/2"	
HP-3	240	1	N		14.10	1.10			15	30	30	30		2.28%	#10	#10		1	1/2"	
HP-4	240	1	N		16.60	1.50			18	35	40	35		1.76%	#8	#10		1	3/4"	
H-1	120	1	Y			1.0	8.3		8	20				2.25%	#10	#10	#10	1	1/2"	h
EF-1	120	1	Y		0.90				1	20				0.03%	#12	#12	#12	1	1/2"	
EW-1	240	1	N			4.5	18.8		19	30	30	N.F.		0.66%	#10	#10		1	1/2"	
EW-2	240	1	N			5.5	22.9		23	30	30	N.F.		0.80%	#10	#10		1	1/2"	
RANGE	240	1	Y			8.5	35.4		35	50				0.58%	#8	#8	#10	1	3/4"	
DRYER	240	1	Y			5.5	22.9		23	30				0.80%	#10	#10	#10	1	1/2"	

GENERAL NOTES:
 (1) - PROVIDE DISC. SW. AT ALL PIECES OF EQUIPMENT, UNLESS OTHERWISE NOTED ON THIS SCHEDULE.
 (2) - C.B., STARTER, DISC. & FUSE SIZES SHOWN FOR REFERENCE ONLY. SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER. VERIFY REQUIREMENTS WITH APPROVED EQUIPMENT SHOP DRAWINGS.
 (3) - PROVIDE NEMA OUTDOOR RATED ENCLOSURES FOR ALL DISC. SVS MOUNTED OUTDOORS.
 (4) - COORDINATE STARTER TYPE WITH EQUIPMENT PROVIDER.
 (5) - E.C. TO VERIFY THAT C.B.'S FOR MOTORS ARE SUFFICIENT TO ALLOW STARTING OF MOTOR, IF REQUIRED FOR STARTING C.B. TO BE INCREASED TO A MAX OF 225% OF LARGEST MOTOR F.L.A.
 (6) - INCREASE CONDUCTOR SIZES AS REQUIRED TO MAINTAIN A MAXIMUM OF 3% VOLTAGE DROP BASED ON ACTUAL CIRCUIT LENGTHS AS INSTALLED.
 (7) - TOTAL AMPS SHOWN DO NOT INCLUDE NON-CONCIDENTAL LOADS

ABBREVIATIONS:
 MCP = MOTOR CIRCUIT PROTECTOR C.B.
 MMS = MAN. MTR. STARTER 20A SW. WITH O.L. AND PLOT
 MSS = MOTOR STARTING 20A SW. WITHOUT O.L.
 VFD = VARIABLE FREQ. DRIVE UNIT.
 CBMC = COMB. DISC(MCP) AND MAG. MOTOR STARTER(MMC)
 MMC = MAGNETIC MOTOR CONTROLLER W/O.L.

N.F. = NON-FUSED
 O.L. = THERMAL OVER LOAD ELEMENT
 1 = NEMA 1 ENCLOSURE
 3R = NEMA 3R ENCLOSURE
 4SS = NEMA 4 W.P. STAINLESS STEEL ENCL.

NOTES:
 (a) - CONNECT VIA LINE VOLTAGE T'STAT. FURNISHED BY DIV. 15 CONTRACTOR
 (b) - CONNECT VIA CONTROL DEVICES FURNISHED BY DIV. 15 CONTRACTOR.
 (c) - CONNECT VIA VFD FURNISHED BY DIV. 15 CONTRACTOR.
 (d) - CONNECT VIA STARTER FURNISHED BY DIV. 15 CONTRACTOR.
 (e) - CONNECT VIA UNIT MTD DISC. SW. FURNISHED BY DIV. 15.
 (f) - CONNECT VIA STARTER FURNISHED WITH EQUIPMENT.
 (g) - INSTALL AND CONNECT CONTROLLERS & SWITCHES FURNISHED WITH EQUIP.
 (h) - PROVIDE SINGLE POLE SWITCH FOR DISCONNECT.

EQUIPMENT FEEDER SCHEDULE

PROJECT: BRIDGEWAY APARTMENTS - CLUBHOUSE														DATE: 6/4/13						
EQUIPMENT DESCRIPTION	VOLTS	PH	NEUT Y OR N	MOTOR (LARGEST) H.P.	FLA	HEATER OR LIGHTING LOAD KW	AMPS	MISC AMPS	TOTAL AMPS	P.N.L. C.B. SIZE AMPS	DISCONNECT SIZE AMPS	FUSE SIZE AMPS	STARTER SIZE NEMA	VOLTAGE DROP PER PHASE	WRE #	NEUT WRE	GND WRE	# OF RUNS	CONDUIT SIZE	NOTES
AH-1C	240	1	N	0.75	6.90		9.6	40.0	47	60				2.11%	#6	#10		1	3/4"	e
AH-2C	240	1	N	1.00	8.00		9.6	40.0	48	60				0.29%	#6	#10		1	3/4"	e
HP-1C	240	1	N		21.80	1.01			23	50	60	50		2.62%	#10	#10		1	1/2"	
HP-2C	240	1	N		26.30	0.94			27	60	60	60		0.27%	#8	#10		1	3/4"	
EF-1C	120	1	Y		1.00				1	20				0.03%	#12	#12	#12	1	1/2"	
EF-2C	120	1	Y		1.00				1	20				0.03%	#12	#12	#12	1	1/2"	
EF-3C	120	1	Y		1.00				1	20				0.03%	#12	#12	#12	1	1/2"	
EW-1	240	1	N			3.0	12.5		13	20	30	N.F.		2.60%	#12	#12		1	1/2"	
EW-2	240	1	N			3.0	12.5		13	20	30	N.F.		0.42%	#12	#12		1	1/2"	

GENERAL NOTES:
 (1) - PROVIDE DISC. SW. AT ALL PIECES OF EQUIPMENT, UNLESS OTHERWISE NOTED ON THIS SCHEDULE.
 (2) - C.B., STARTER, DISC. & FUSE SIZES SHOWN FOR REFERENCE ONLY. SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER. VERIFY REQUIREMENTS WITH APPROVED EQUIPMENT SHOP DRAWINGS.
 (3) - PROVIDE NEMA OUTDOOR RATED ENCLOSURES FOR ALL DISC. SVS MOUNTED OUTDOORS.
 (4) - COORDINATE STARTER TYPE WITH EQUIPMENT PROVIDER.
 (5) - E.C. TO VERIFY THAT C.B.'S FOR MOTORS ARE SUFFICIENT TO ALLOW STARTING OF MOTOR, IF REQUIRED FOR STARTING C.B. TO BE INCREASED TO A MAX OF 225% OF LARGEST MOTOR F.L.A.
 (6) - INCREASE CONDUCTOR SIZES AS REQUIRED TO MAINTAIN A MAXIMUM OF 3% VOLTAGE DROP BASED ON ACTUAL CIRCUIT LENGTHS AS INSTALLED.
 (7) - TOTAL AMPS SHOWN DO NOT INCLUDE NON-CONCIDENTAL LOADS

ABBREVIATIONS:
 MCP = MOTOR CIRCUIT PROTECTOR C.B.
 MMS = MAN. MTR. STARTER 20A SW. WITH O.L. AND PLOT
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 1 = NEMA 1 ENCLOSURE
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NOTES:
 (a) - CONNECT VIA LINE VOLTAGE T'STAT. FURNISHED BY DIV. 15 CONTRACTOR
 (b) - CONNECT VIA CONTROL DEVICES FURNISHED BY DIV. 15 CONTRACTOR.
 (c) - CONNECT VIA VFD FURNISHED BY DIV. 15 CONTRACTOR.
 (d) - CONNECT VIA STARTER FURNISHED BY DIV. 15 CONTRACTOR.
 (e) - CONNECT VIA UNIT MTD DISC. SW. FURNISHED BY DIV. 15.
 (f) - CONNECT VIA STARTER FURNISHED WITH EQUIPMENT.
 (g) - INSTALL AND CONNECT CONTROLLERS & SWITCHES FURNISHED WITH EQUIP.
 (h) - CONNECT VIA STARTER IN MCC (FURNISHED BY DIV. 16)
 (i) - CONNECT VIA HOOD CONTROL SYSTEM.

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT ISSUE

REVISION HISTORY

No.	Date	Description

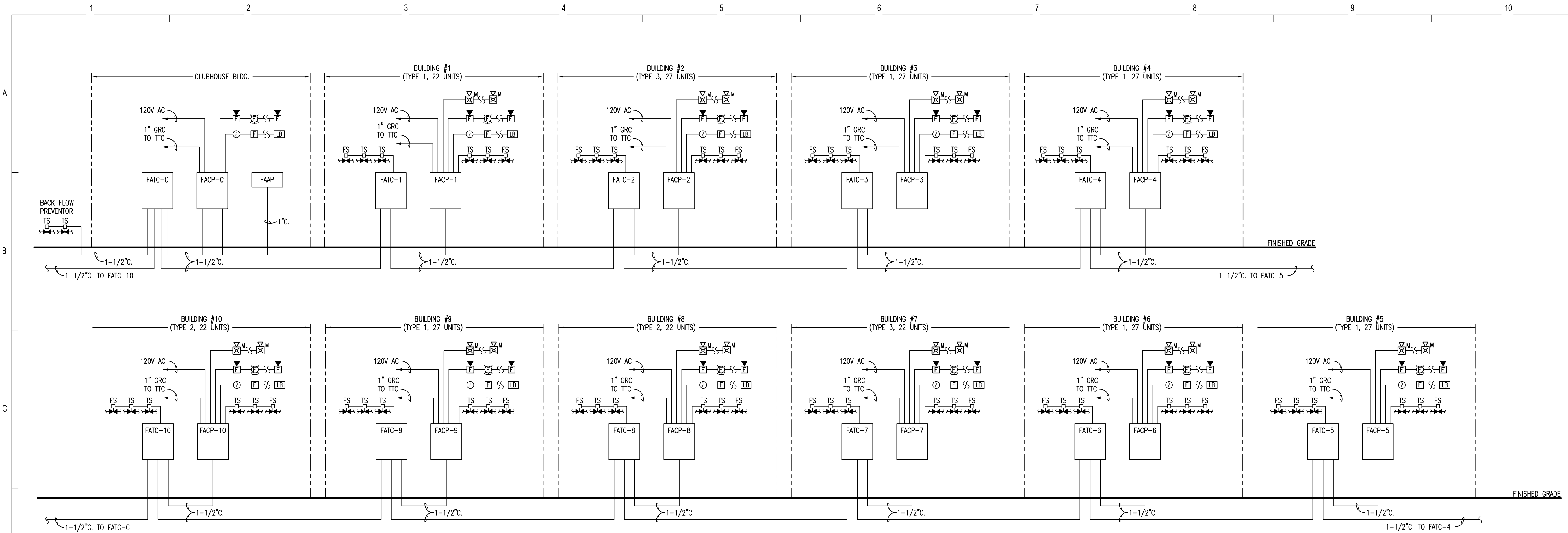


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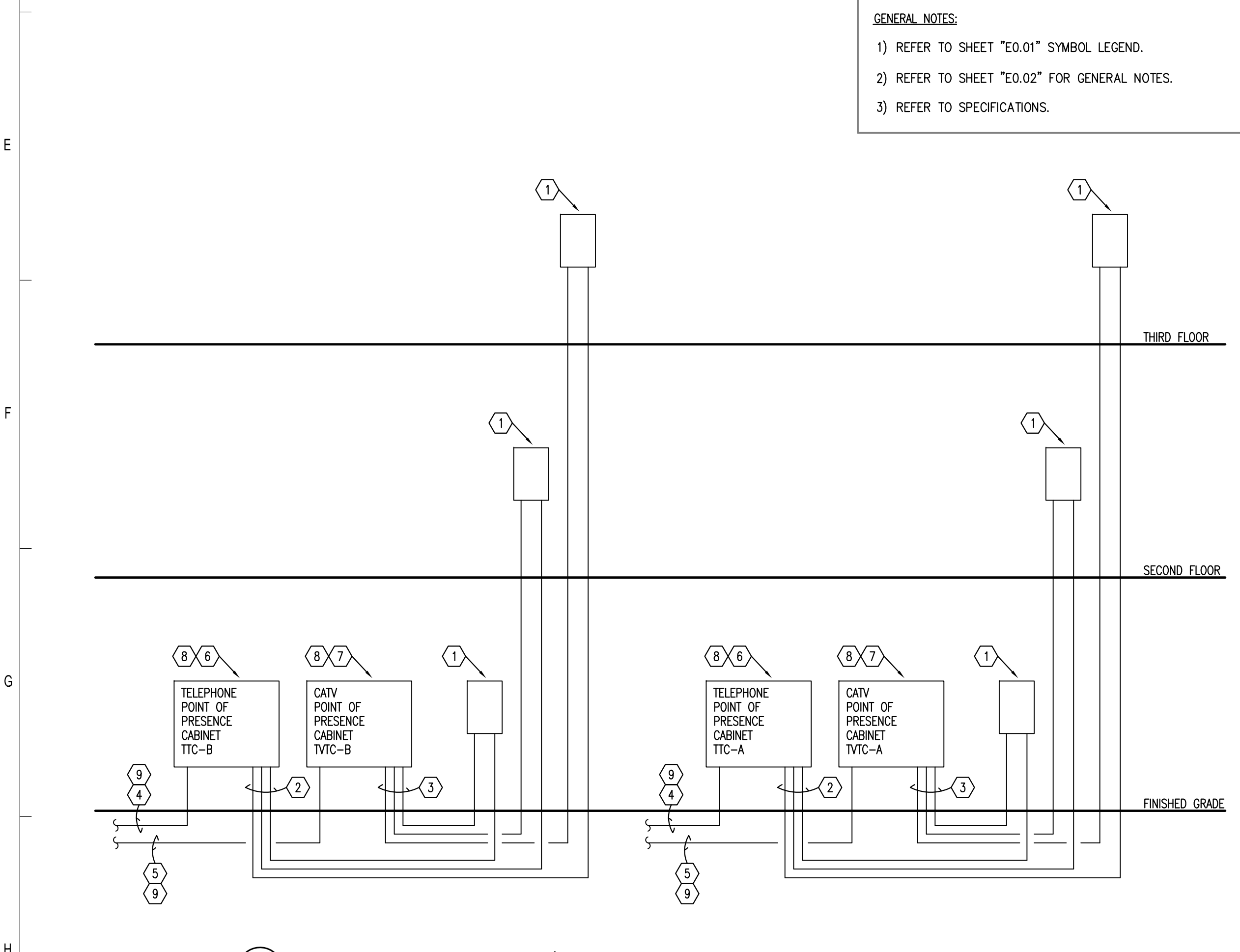
BRIDGEWAY APARTMENTS CHATTANOOGA, TN ELECTRICAL SCHEDULES	Drawn: TLC Checked: RDP Approved: KJC Date: 04/29/2013 Project #: 5166.400
	E5.04





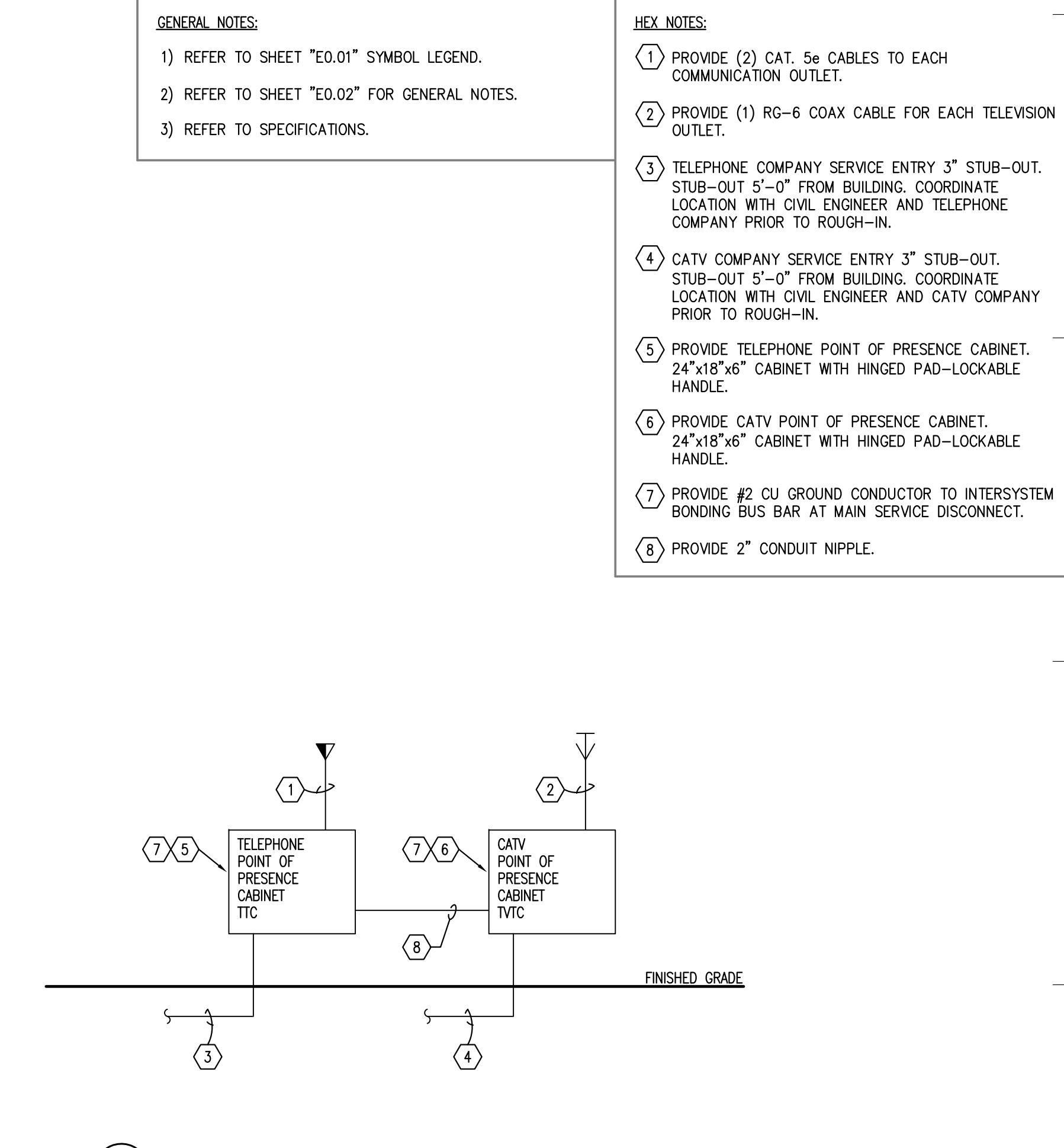
REFER TO SHEET "E0.01" FOR GENERAL NOTES AND SYMBOL LEGEND.
REFER TO SPECIFICATIONS.

1 FIRE ALARM RISER DIAGRAM
E6.01 N.T.S.



D1 RESIDENTIAL BLDG. TELEPHONE/CATV RISER DIAGRAM
E6.01 N.T.S.

- GENERAL NOTES:**
- REFER TO SHEET "E0.01" SYMBOL LEGEND.
 - REFER TO SHEET "E0.02" FOR GENERAL NOTES.
 - REFER TO SPECIFICATIONS.
- HEX NOTES:**
- RESIDENTIAL STRUCTURED MEDIA CENTER JUNCTION BOX. PROVIDE 12"x12"x4" ENCLOSURE WITH SCREW-ON COVER. COORDINATE POWER OUTLET REQUIREMENTS WITH UNIT ELECTRICAL PLANS. COORDINATE QUANTITY OF BOXES REQUIRED WITH BUILDING TYPE.
 - PROVIDE TO EACH UNIT (1) CAT. 5e CABLE FOR TELEPHONE COMPANY SERVICE.
 - PROVIDE TO EACH UNIT (1) RG-6 COAX CABLE FOR CATV COMPANY SERVICE.
 - TELEPHONE COMPANY SERVICE ENTRY 3" STUB-OUT. STUB-OUT 5'-0" FROM BUILDING. COORDINATE LOCATION WITH CIVIL ENGINEER AND TELEPHONE COMPANY PRIOR TO ROUGH-IN.
 - CATV COMPANY SERVICE ENTRY 3" STUB-OUT. STUB-OUT 5'-0" FROM BUILDING. COORDINATE LOCATION WITH CIVIL ENGINEER AND CATV COMPANY PRIOR TO ROUGH-IN.
 - PROVIDE TELEPHONE POINT OF PRESENCE CABINET. 36"x48"x8" CABINET WITH HINGED PAD-LOCKABLE HANDLE.
 - PROVIDE CATV POINT OF PRESENCE CABINET. 48"x48"x8" CABINET WITH HINGED PAD-LOCKABLE HANDLE.
 - PROVIDE #2 CU GROUND CONDUCTOR TO INTERSYSTEM BONDING BUS BAR AT MAIN SERVICE DISCONNECT.
 - COORDINATE LOCATION OF CABINET AND STUB-OUT WITH LOCAL UTILITY COMPANY PRIOR TO ROUGH-IN.



D7 CLUBHOUSE BLDG. TELEPHONE/CATV RISER DIAGRAM
E6.01 N.T.S.

GENERAL NOTES

- REFER TO SHEET "E0.01" FOR SYMBOL LEGEND.
- REFER TO SHEET "E0.02" FOR GENERAL NOTES.
- REFER TO SPECIFICATIONS.
- PROVIDE SURGE SUPPRESSION TO INITIATION CIRCUITS COMING FROM FLOW SWITCH AND TAMPER SWITCH. ALL CONDUIT CONNECTIONS BETWEEN FATC AND FIRE PROTECTION SWITCHES SHALL BE WITH U.L. LISTED LIQUID-TIGHT FLEXIBLE CONDUIT.
- PROVIDE COUNTERPOISE ABOVE ENTIRE LENGTH OF EACH CIRCUIT. REFER TO DETAIL ON SHEET E7.01.
- ALL CABLES SHALL BE WEST PENN AQUASEAL IN DAMP LOCATIONS BETWEEN BUILDINGS.
- ALL FIRE PROTECTION SWITCHES SHALL BE POINT ID AT PANEL.
- ALL CIRCUITS ENTERING/EXITING FACP AND NEMA 3R FATCS SHALL BE PROTECTED WITH SURGE SUPPRESSION (120VAC AND LOW VOLTAGE). SURGE SUPPRESSION SHALL BE BY EDCO. PROVIDE #2 CU GROUND CONDUCTOR TO MAIN ELECTRICAL GROUND.
- VERIFY EXACT LOCATION OF ALL FLOW AND TAMPER SWITCHES WITH THE FIRE SPRINKLER CONTRACTOR AND CIVIL ENGINEER PRIOR TO ROUGH-IN.
- ALL FIRE ALARM CONTROLS SHALL BE NETWORKED TO CLUBHOUSE FIRE ALARM CONTROL PANEL. CLUBHOUSE BUILDING FIRE ALARM CONTROL PANEL SHALL BE POINT ID REMOTE FIRE ALARM INITIATION AND SUPERVISORY DEVICES.
- ALL BUILDINGS WITHOUT A FACP SHALL BE MONITORED VIA FACP-P IN CLUBHOUSE.
- REFER TO ARCHITECTURAL SITE PLANS FOR LOCATIONS OF BUILDING TYPES AND DESCRIPTIONS.
- COORDINATE CLUBHOUSE CONSTRUCTION PHASE WITH RESIDENTIAL UNIT BUILDING CONSTRUCTION PHASE.
- VERIFY LOCATIONS OF ALL BACKFLOW PREVENTORS WITH CIVIL CONTRACTOR.

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No.	Date	Description

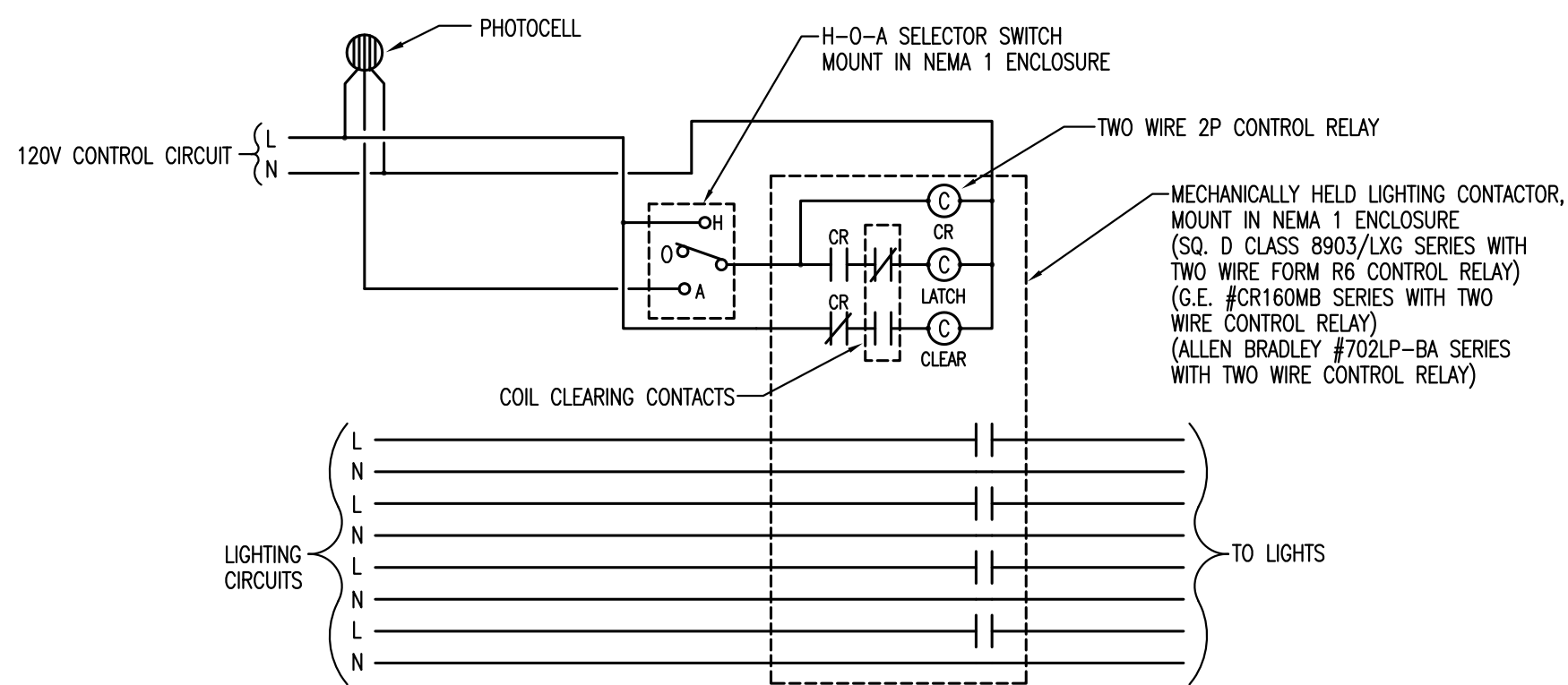
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
SYSTEM RISER DIAGRAMS
E6.01

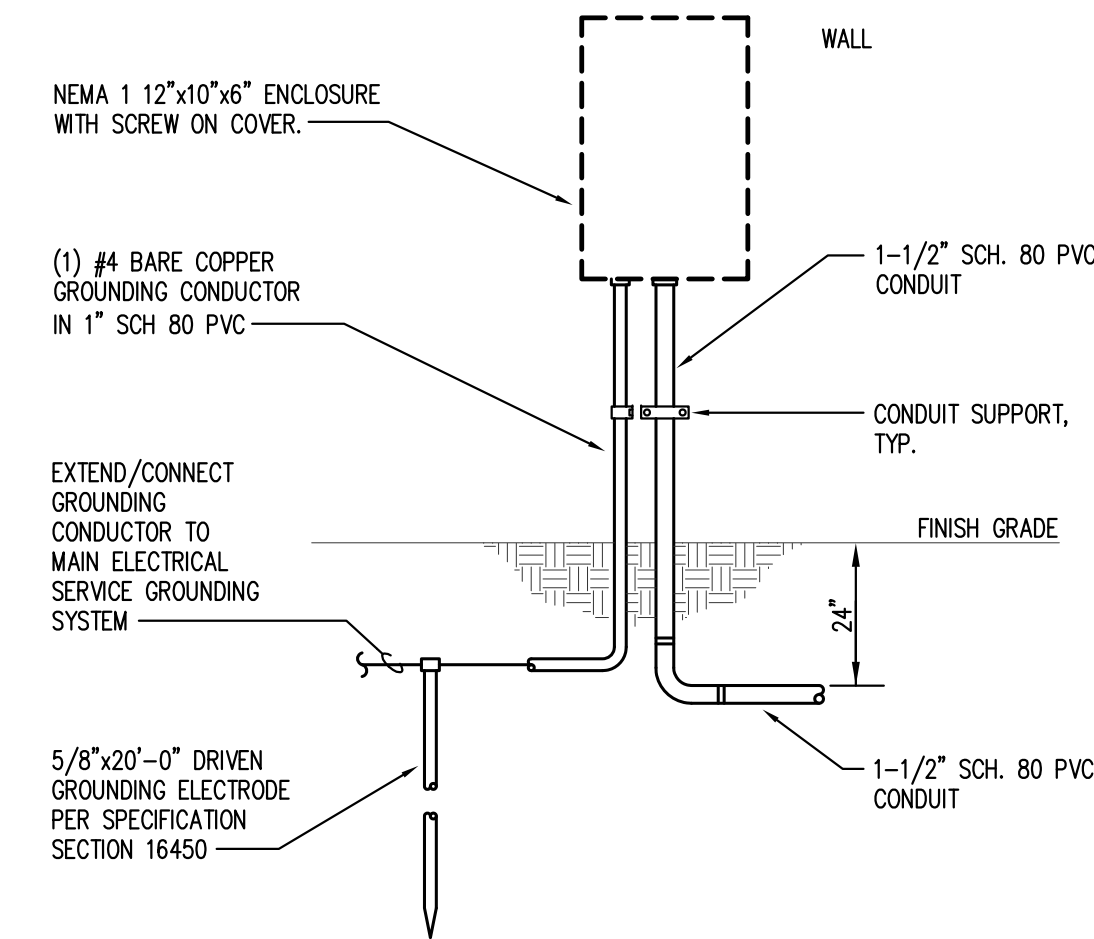
Drawn: TLC
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Date: 04/29/2013
Project #: 5166-400





C3 LIGHTING CONTACTOR 'MXA'
SCHEMATIC - PHOTOCELL CONTROLLED

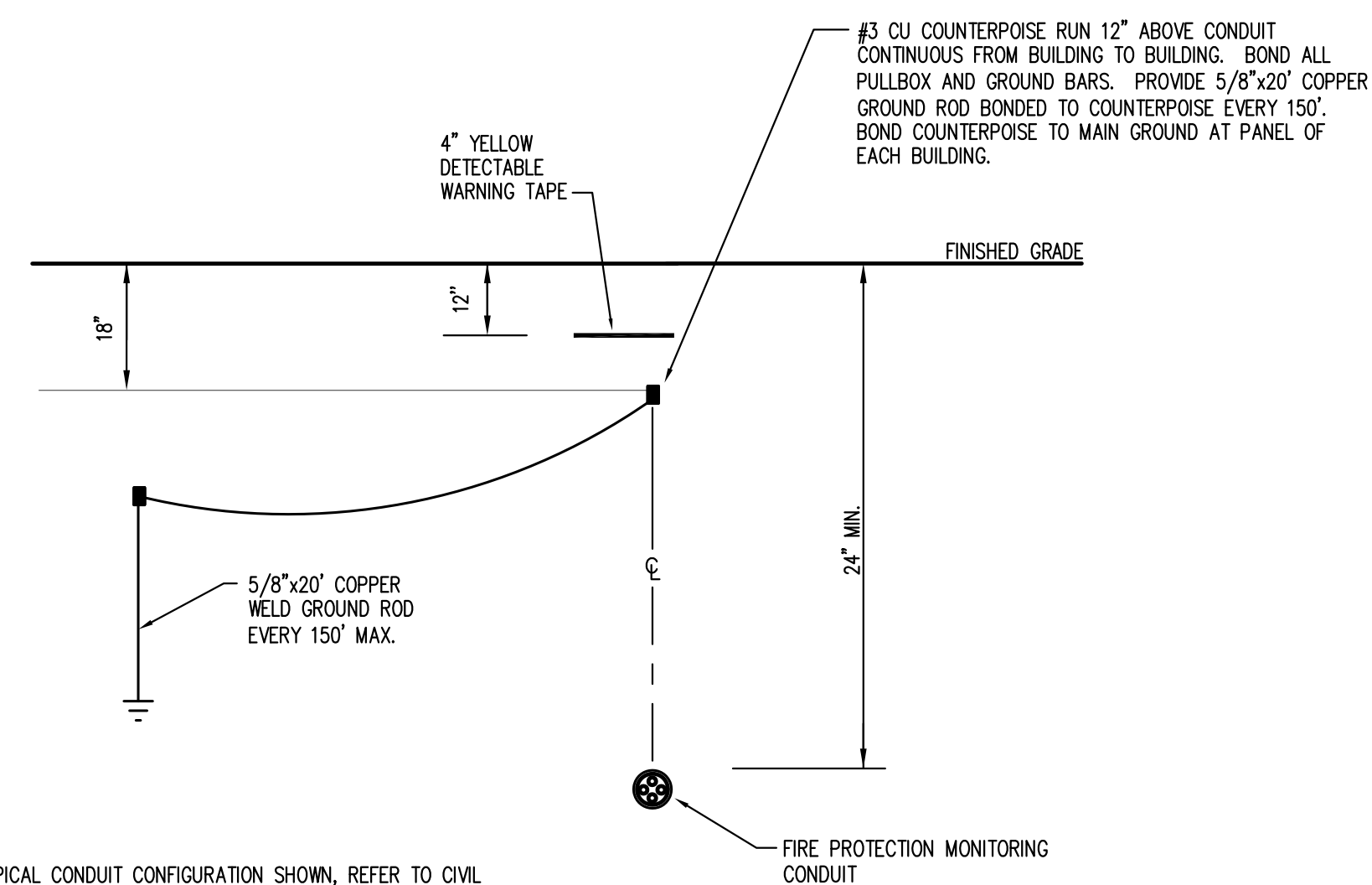
E7.01 SCALE: NOT TO SCALE
NOTE: PROVIDE, INSTALL & CONNECT ADDITIONAL CONTACTS AND/OR CONTACTORS COMPLETE WITH ENCLOSURES AS REQUIRED PER APPLICATION. SEE ELECTRICAL DRAWINGS TO DETERMINE EXACT NUMBER OF POLES. SEE ELECTRICAL DRAWINGS FOR ACTUAL CIRCUIT NUMBERS. PROVIDE MINIMUM OF (2) ADDITIONAL/SPARE CONTACTS.



NOTE: REFER TO TYPICAL FIRE ALARM COUNTERPOISE DETAIL, THIS SHEET.

C7 FIRE ALARM TERMINAL CABINET DETAIL

E7.01 SCALE: NOT TO SCALE



NOTE: TYPICAL CONDUIT CONFIGURATION SHOWN, REFER TO CIVIL SITE PLAN FOR SITE LAYOUT.

F7 TYPICAL FIRE ALARM COUNTERPOISE DETAIL

E7.01 SCALE: NOT TO SCALE

ISSUE HISTORY

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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

ELECTRICAL DETAILS

E7.01

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-00



PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	SUPPLY FITTING	FAUCET	DRAINS	TRAP	REMARKS
WC-1	WATER CLOSET FLOOR MTD (1)	PROFLO PF3312 PF1203(ELONGATED)	PROVIDED BY PLUMBING CONTRACTOR	-	PROVIDED BY PLUMBING CONTRACTOR	-	
WC-2	WATER CLOSET FLOOR MTD (1)	PROFLO PF3612 PF1203(ELONGATED)	PROVIDED BY PLUMBING CONTRACTOR	-	PROVIDED BY PLUMBING CONTRACTOR	-	HANDICAPPED
L-1	LAVATORY COUNTERTOP	PF7020 20"x17"	PLUMBING CONTRACTOR	PROFLO PFL1011A	PLUMBING CONTRACTOR	PLUMBING CONTRACTOR	
L-2	LAVATORY COUNTERTOP	PROFLO PF7020 20"x17"	PROVIDED BY PLUMBING CONTRACTOR	PROFLO PFL1011WFM	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	HANDICAPPED
S-1	SINK TWO COMPARTMENT	DAYTON DSEMR-23322 33"x22"	PROVIDED BY PLUMBING CONTRACTOR	PROFLO PFL2011 LUFM	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	PROVIDE WITH 1/2 HP DISPOSAL
S-1	SINK TWO COMPARTMENT	DAYTON GE-12521 25"x21-1/4"	PROVIDED BY PLUMBING CONTRACTOR	PROFLO PFL2011 LUFM	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	HANDICAPPED PROVIDE WITH 1/2 HP DISPOSAL
BT-1	BATHTUB	BOOTZ "ALOHA" 011-2364 60"x30"x14-1/8"	PROVIDED BY PLUMBING CONTRACTOR	PROFLO PF80A	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	
BT-2	BATHTUB	SPURLIN INDUSTRIES "FAIRFIELD GT" 60"x42"x19"	PROVIDED BY PLUMBING CONTRACTOR	PROFLO PF80A	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	
BT-3	BATHTUB	BOOTZ "ALOHA" 011-2364 60"x30"x14-1/8"	PROVIDED BY PLUMBING CONTRACTOR	PROFLO PF80MSTRM	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	HANDICAPPED
WB-1	WASHING MACHINE BOX	OATEY 38927	PROVIDED BY PLUMBING CONTRACTOR	-	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	
HB-1	HOSE BIBB	WOODFORD MODEL 25 SERIES FREEZELESS	-	-	-	-	PROVIDE WITH LOOSE KEY HANDLE AND VACUUM BREAKER
DW-1	DISHWASHER	BY OTHERS	PROVIDED BY PLUMBING CONTRACTOR	-	PROVIDED BY PLUMBING CONTRACTOR	-	
UB-1	REFRIGERATOR BOX	PLASTIC ODDITIES	PROVIDED BY PLUMBING CONTRACTOR	-	-	-	
FD-1	FLOOR DRAIN	JOSAM 3000-S-50-T-17	PROVIDED BY PLUMBING CONTRACTOR	-	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	
-	TRAP PRIMER VALVE	PRECISION PLUMBING PRODUCTS	PROVIDED BY PLUMBING CONTRACTOR	-	-	-	

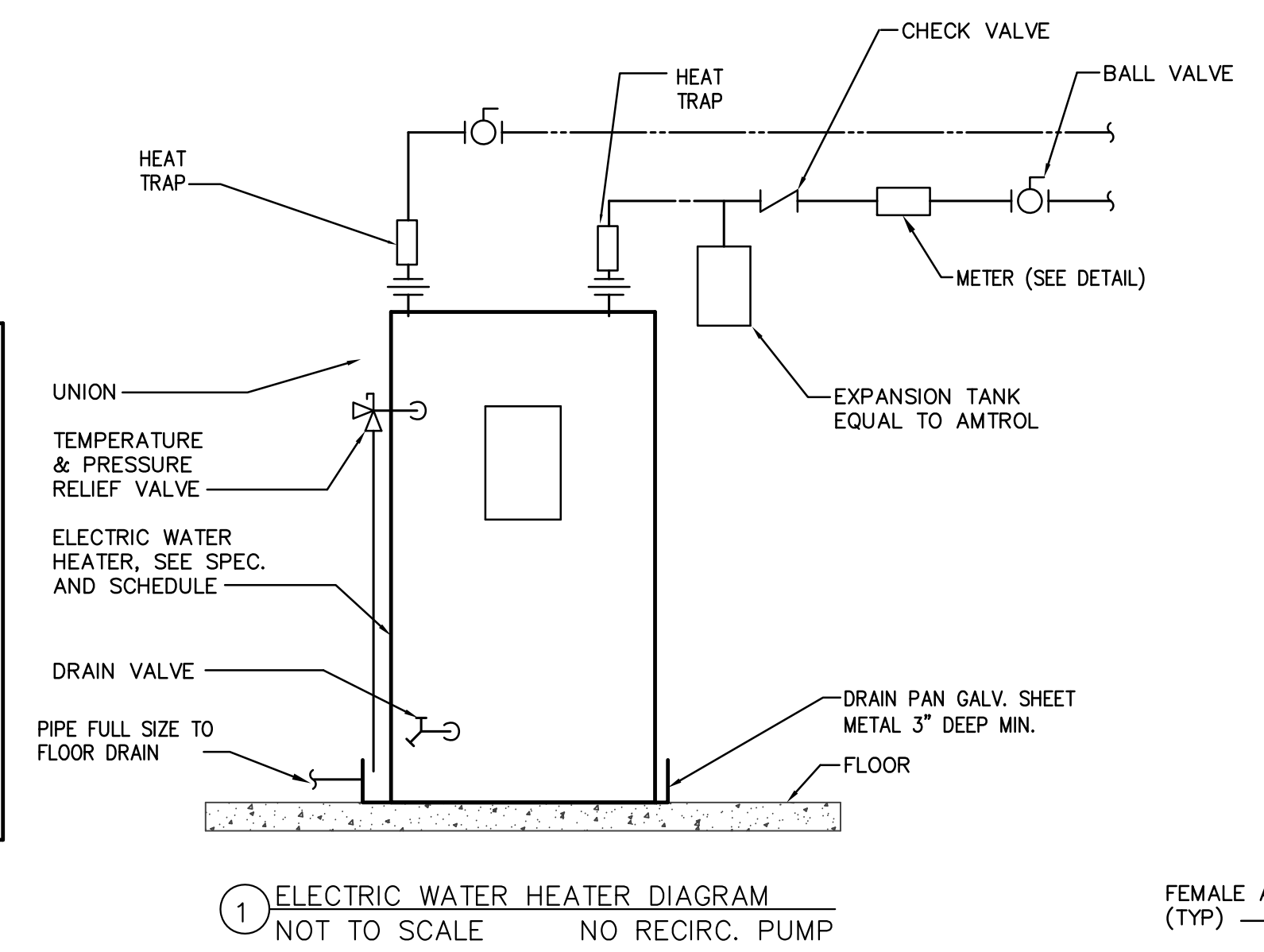
NOTES
1. (1) WITH ELONGATED OPEN FRONT SEAT BY OLSONITE WITH COVER.

GENERAL NOTES:

- FIELD VERIFY ALL MEASUREMENTS PRIOR TO LAYING AND CONNECTING ANY PIPING, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- PROVIDE SHOCK ARRESTORS FOR PREVENTING WATER HAMMER AT EACH BATTERY OF FIXTURES ON THE COLD AND HOT WATER SUPPLIES. PROVIDE SHOCK ARRESTORS AT ISOLATED PLUMBING FIXTURES. SHOCK ARRESTORS SHALL BE FACTORY FABRICATED AND LOCATED FULLY ACCESSIBLE. SHOCK ARRESTORS SHALL BE SIZED PER PLUMBING AND DRAINAGE INSTITUTE STANDARD WH-201. AIR CHAMBERS ARE NOT ACCEPTABLE.
- MAINTAIN FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING PENETRATIONS.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS WITHIN WALLS OR IN CHASES EXCEPT AS SPECIFICALLY NOTED.
- PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURE MOUNTING HEIGHTS AND DIMENSIONS. DO NOT SCALE DRAWINGS. DRAWINGS ARE DIAGRAMATIC AND ARE INTENDED TO SHOW GENERAL ROUTING.
- VERIFY ELEVATIONS OF SEWER PIPING TO WHICH NEW SEWERS ARE TO BE CONNECTED PRIOR TO INSTALLATION OF ANY PIPING.
- PROVIDE DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- THE CONTRACTOR IS EXPECTED TO ORDER MATERIALS IN SUFFICIENT TIME TO AVOID DELAYING THE COMPLETION OF THE PROJECT. DELAY IN DELIVERIES WILL NOT BE CONSIDERED A JUSTIFIABLE REASON FOR SUBSTITUTION OF MATERIALS.
- ALL COPPER PIPE PENETRATIONS THROUGH CONCRETE WALLS AND FLOORS SHALL BE SLEEVED. SLEEVES SHALL BE SCHEDULE 40 PVC. ALL COPPER PIPE WITHIN EXTERIOR WALLS SHALL BE WRAPPED WITH UPC PLASTIC COVERING.

ELECTRIC WATER HEATER SCHEDULE

MARK	EW-1	EW-2
MANUFACTURER	A.O. SMITH	A.O. SMITH
MODEL	ECL-50	ECL-50
STORAGE CAPACITY (GAL)	50	50
RECOVERY (GPH)	23 @ 80°R	28 @ 80°R
UNIT SIZE	31" x 23" DIA.	34" x 26" DIA.
OPERATIONAL WEIGHT (LBS)	458	586
KW INPUT (NON-SIMULTANEOUS)	4.5	5.5
VOLTAGE	240V	240V
PHASE	1	1



PLUMBING EQUIPMENT SCHEDULE

MARK	FIXTURE	MANUF./MODEL	REMARKS
WCO-1	WALL CLEAN-OUT	CHARLOTTE PIPE NO. 105	CLEANOUT ADAPTER TO BE FITTED TO CLEANOUT TEE FITTING. SIZE AS INDICATED ON DRAWINGS. PROVIDE ZURN #Z-1468 BRONZE RAISED HEX HEAD PLUG AND ROUND STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.
ECO-1	EXTERIOR CLEAN-OUT	-	PROVIDE CLEAN-OUT WITH 2-WAY CLEAN-OUT TEE. (LAWN. IN FLUSH 12"x12"x4" CONCRETE PAD)
FCO-1	FLOOR CLEAN-OUT	JONESPEC #CO-2450	ADJUSTABLE FLOOR CLEANOUT WITH PVC BODY WITH ADJUSTABLE NICKLE BRONZE AND ABS TAPER THREAD PLUG. SIZE AS INDICATED ON DRAWINGS.
-	TRAP PRIMER VALVE	PRECISION PLBG PRODUCTS	

PLUMBING SYMBOL LEGEND

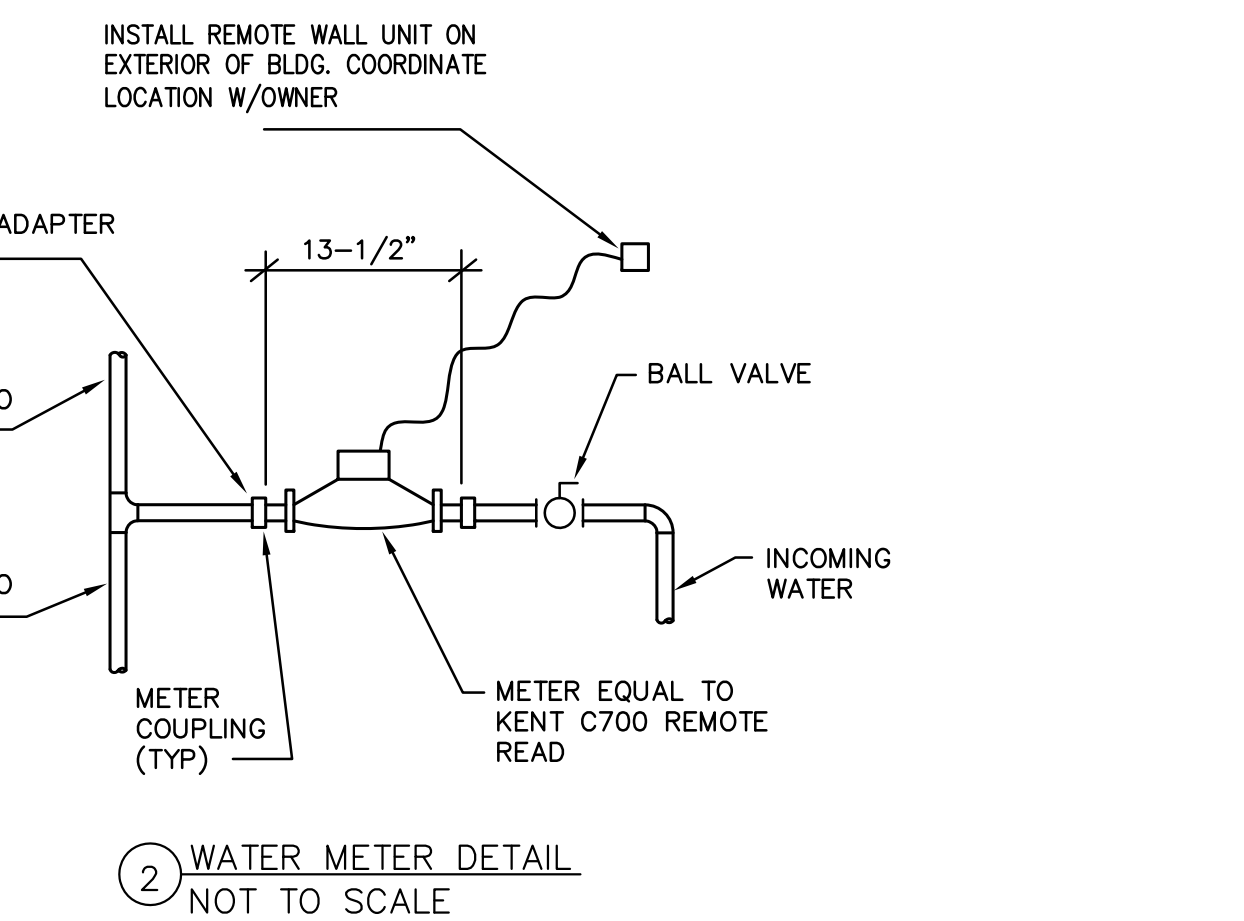
SYMBOL/ABBREV.	DESCRIPTION
SAN	SANITARY PIPING ABOVE GRADE
SAN	SANITARY PIPING BELOW GRADE
---	VENT PIPING
---	DOMESTIC COLD WATER PIPING
---	DOMESTIC HOT WATER PIPING
FD	FLOOR DRAIN
HD	HUB DRAIN
○	PIPING TEE UP
○	PIPING TEE DOWN
○	PIPING ELL UP
○	PIPING ELL DOWN
○	BALL VALVE
PRV	PRESSURE RELIEF VALVE
FCO	FLOOR CLEANOUT
ECO	EXTERIOR CLEANOUT
WC	WALL CLEANOUT

ABBREVIATION DESCRIPTION

AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
CONT	CONTINUATION
CW	COLD WATER (POTABLE)
DW	DISHWASHER
DWG.	DRAWING
ECO	EXTERIOR CLEAN-OUT
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
GWH	GAS WATER HEATER
HB	HOSE BIBB
HC	HANDICAPPED
HW	HOT WATER
HWRP	HOT WATER RECIRC. PUMP
JS	JANITOR SINK
L	LAVATORY
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
SA	SHOCK ARRESTOR
SAN	SANITARY
T&P	TEMPERATURE & PRESSURE RELIEF LINE
UNO	UNLESS NOTED OTHERWISE
UB-1	UTILITY BOX
VRV	VACUUM RELIEF VALVE
WC	WATER CLOSET
WCO	WALL CLEAN-OUT
WH	WALL HYDRANT
WSB	WASHER SUPPLY BOX

SHOCK ARRESTOR SCHEDULE

P.D.I. SIZE	FIXTURE UNITS
'SA-A'	1-11
'SA-B'	12-32
'SA-C'	33-60
'SA-D'	61-113
'SA-E'	114-154
'SA-F'	155-330



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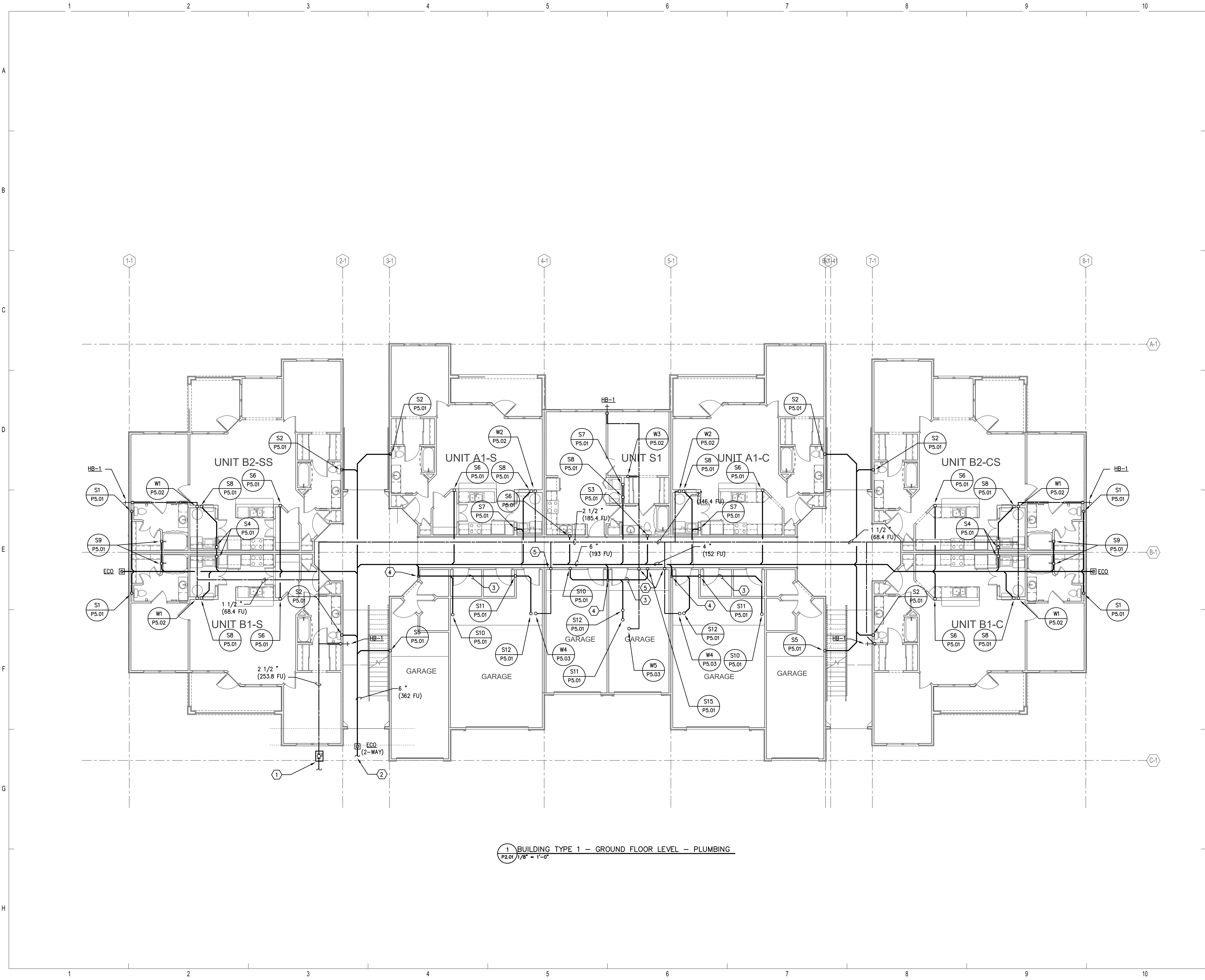
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

LEGEND DETAILS AND SCHEDULES - PLUMBING

Project #: 5166.400

P0.01





- REFERENCE NOTES:**
- 1 2 1/2" DOMESTIC WATER SERVICE WITH BALL VALVE IN VALVE BOX. FOR CONTINUATION REFER TO CIVIL DRAWINGS. (253.8 F.U. = 76 GPM.)
 - 2 6" SANITARY WASTE PIPING BELOW GRADE AT 5'-0" FROM BUILDING WALL. FOR CONTINUATION REFER TO CIVIL DRAWINGS (362 F.U. INVERT AT - 4'-6" B.F.F.)
 - 3 SANITARY LINE ABOVE GARAGE CEILING.
 - 4 SANITARY LINE DOWN TO BELOW SLAB.
 - 5 COLD WATER PIPING UP TO ABOVE GARAGE CEILING.

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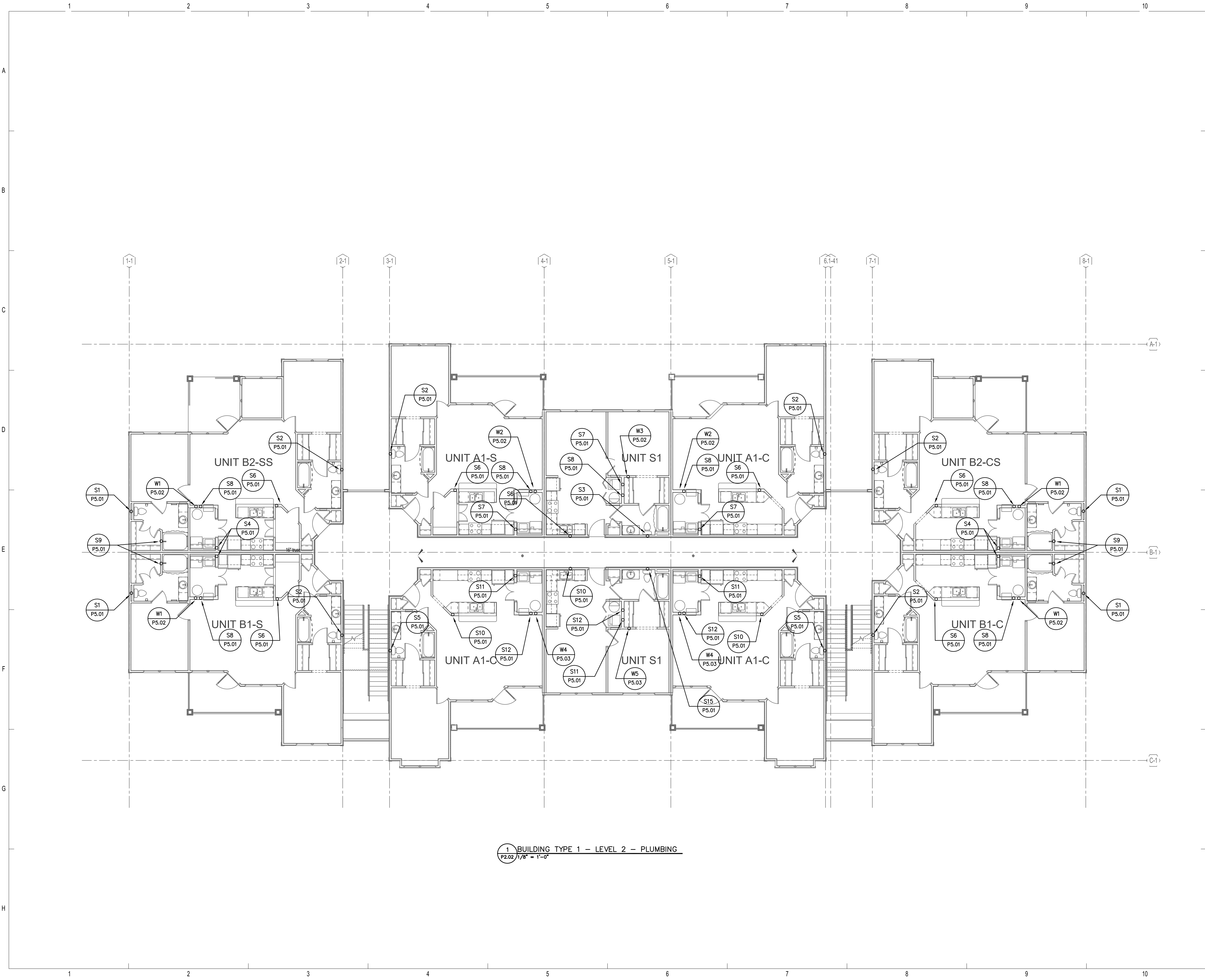
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BRIDGEWAY APARTMENTS		Drawn: TLC
CHATTANOOGA, TN		Checked: RDP
BUILDING TYPE 1 - GROUND FLOOR LEVEL - PLUMBING		Approved: KJC
P2.01		Date: 04/29/2013
		Project #: 5166-400



1 BUILDING TYPE 1 - GROUND FLOOR LEVEL - PLUMBING
P2.01 1/8" = 1'-0"



1 BUILDING TYPE 1 - LEVEL 2 - PLUMBING
 P2.02 1/8" = 1'-0"

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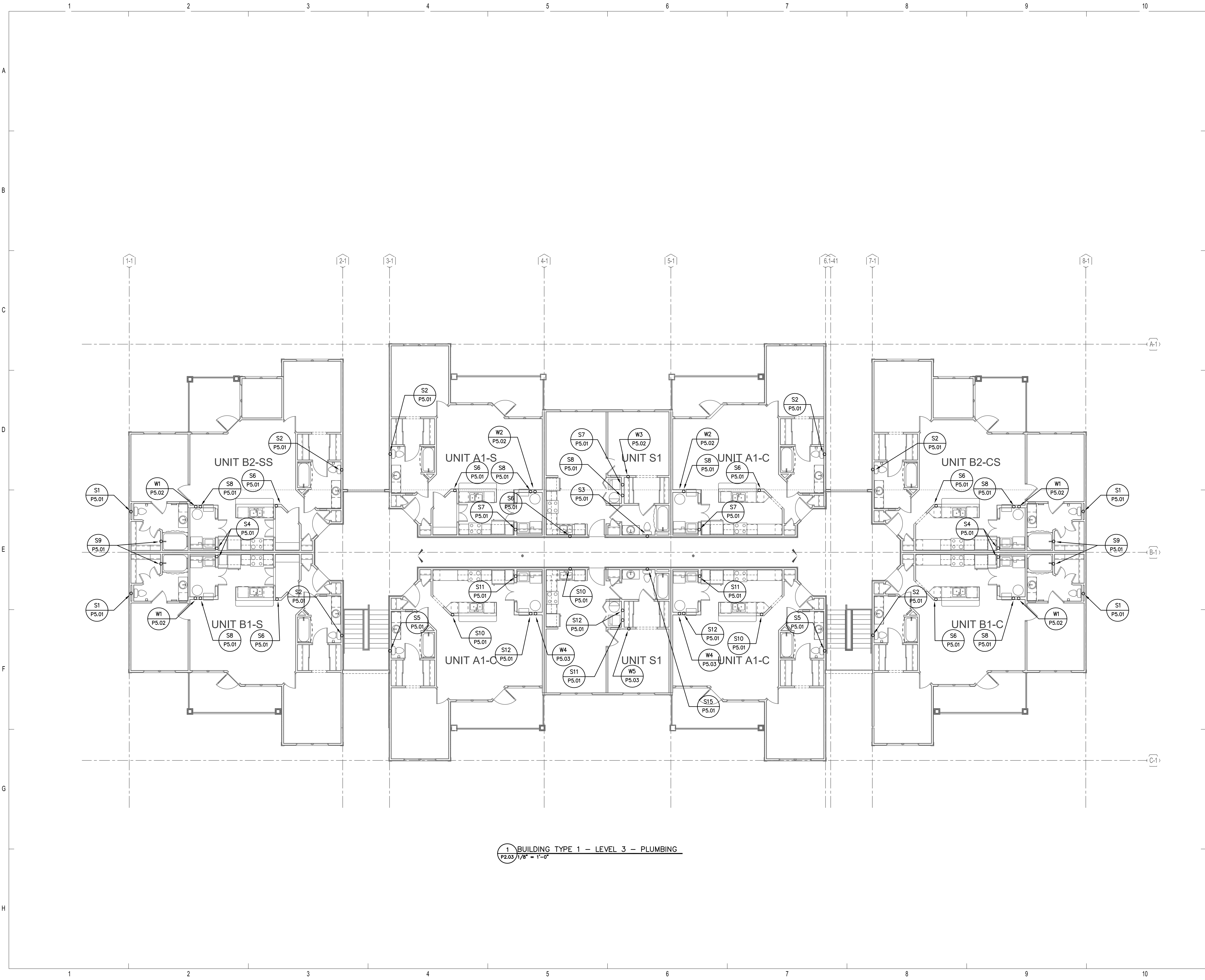


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BRIDGEWAY APARTMENTS		Drawn: TLC
CHATTANOOGA, TN		Checked: RDP
BUILDING TYPE 1 - LEVEL 2 - PLUMBING		Approved: KJC
P2.02		Date: 04/29/2013
		Project #: 5166-400





1 BUILDING TYPE 1 - LEVEL 3 - PLUMBING
 P2.03 1/8" = 1'-0"

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No.	Date	Description
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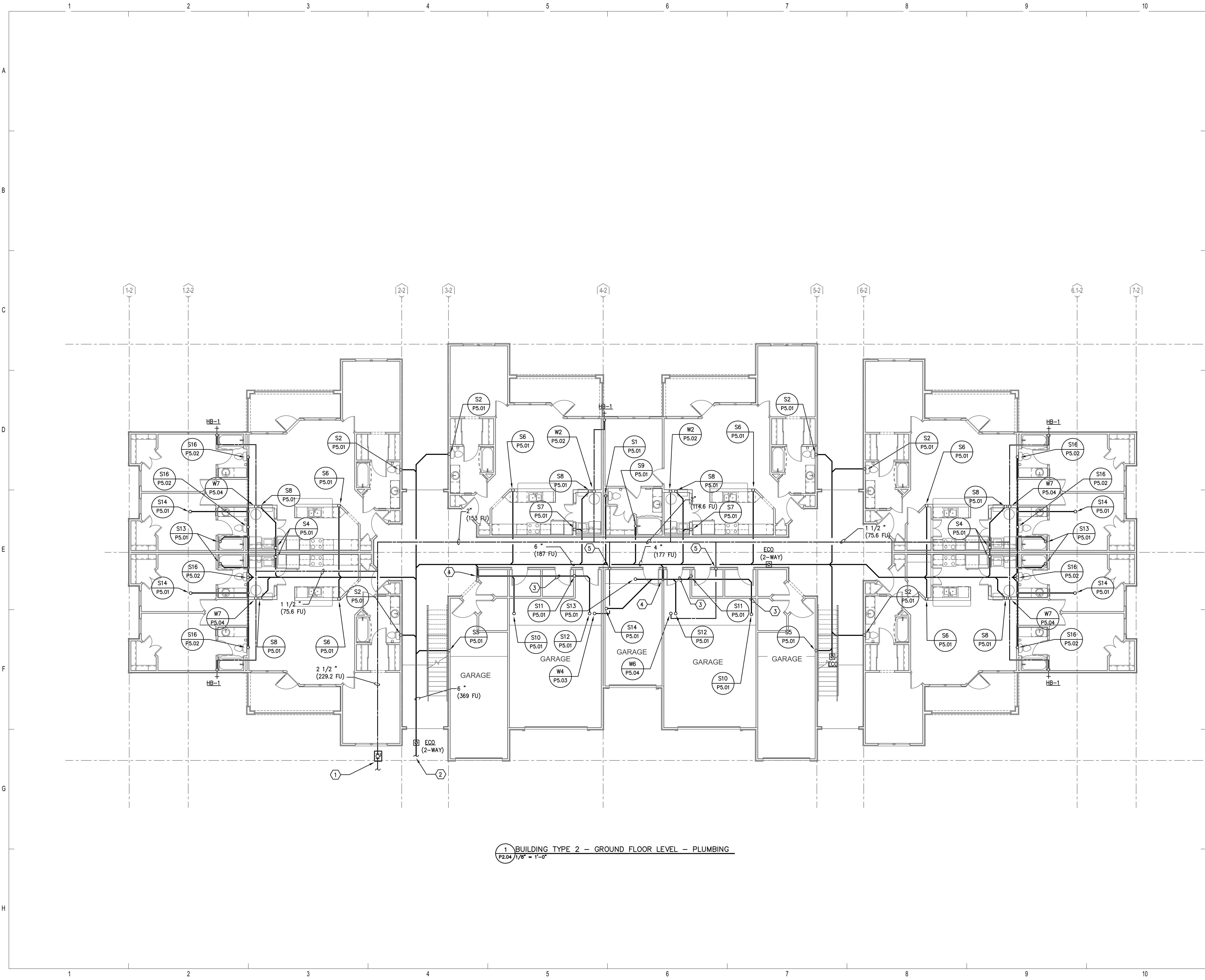
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BRIDGEWAY APARTMENTS		Drawn: TLC
CHATTANOOGA, TN		Checked: RDP
BUILDING TYPE 1 - LEVEL 3 - PLUMBING		Approved: KJC
P2.03		Date: 04/29/2013
		Project #: 5166-400





- REFERENCE NOTES:**
- ① 2 1/2" DOMESTIC WATER SERVICE WITH BALL VALVE IN VALVE BOX. FOR CONTINUATION REFER TO CIVIL DRAWINGS. (229.2 F.U. = 71.0 GPM.)
 - ② 6" SANITARY WASTE PIPING BELOW GRADE AT 5'-0" FROM BUILDING WALL. FOR CONTINUATION REFER TO CIVIL DRAWINGS (369 F.U. INVERT AT - 4'-6" B.F.F.)
 - ③ SANITARY LINE ABOVE GARAGE CEILING.
 - ④ SANITARY LINE DOWN TO BELOW SLAB.
 - ⑤ COLD WATER PIPING UP TO ABOVE GARAGE CEILING.

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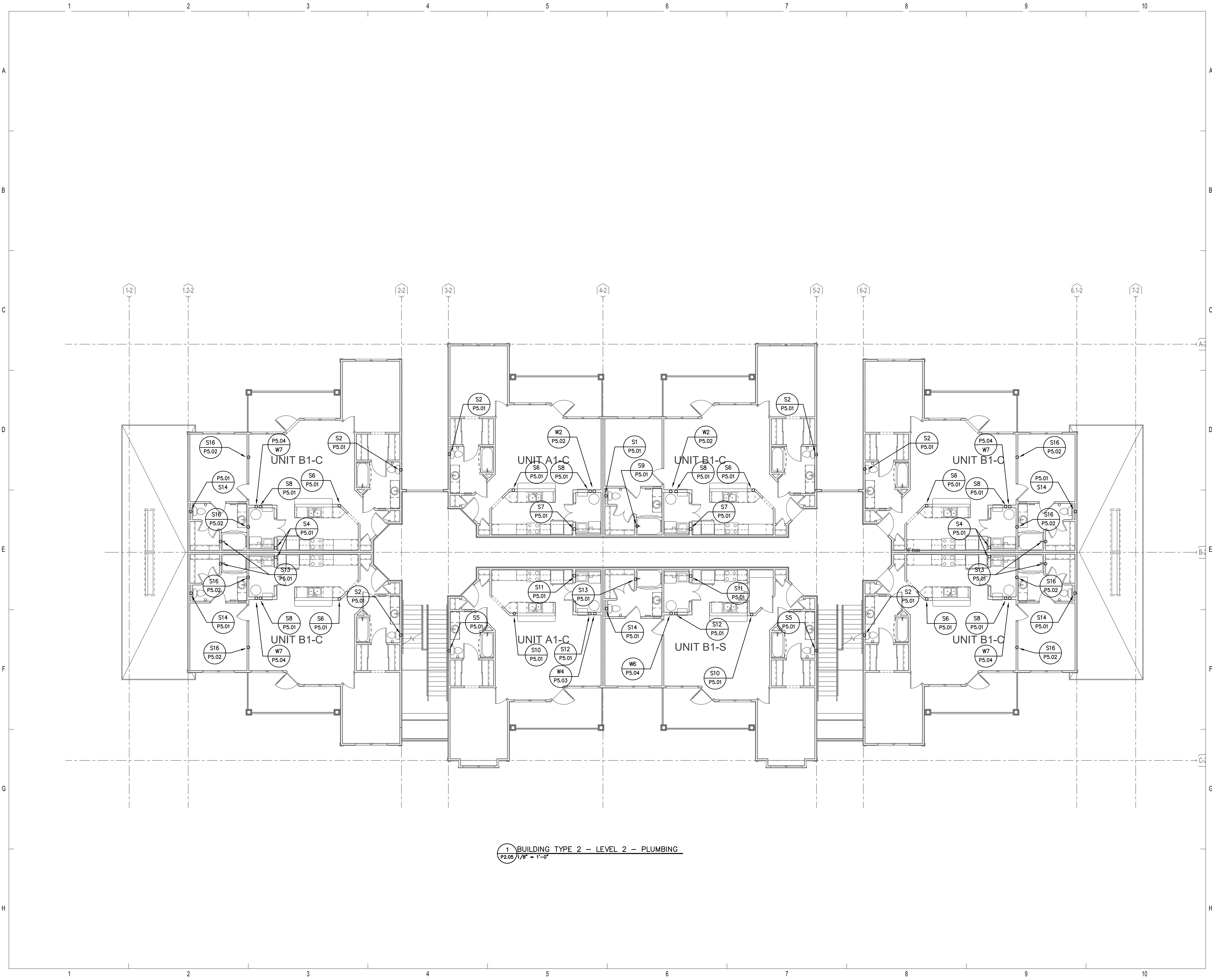
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 2 - GROUND FLOOR LEVEL - PLUMBING

P2.04



1 BUILDING TYPE 2 - GROUND FLOOR LEVEL - PLUMBING
P2.04 1/8" = 1'-0"



1. BUILDING TYPE 2 - LEVEL 2 - PLUMBING
 P2.05 1/8" = 1'-0"

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No.	Date	Description
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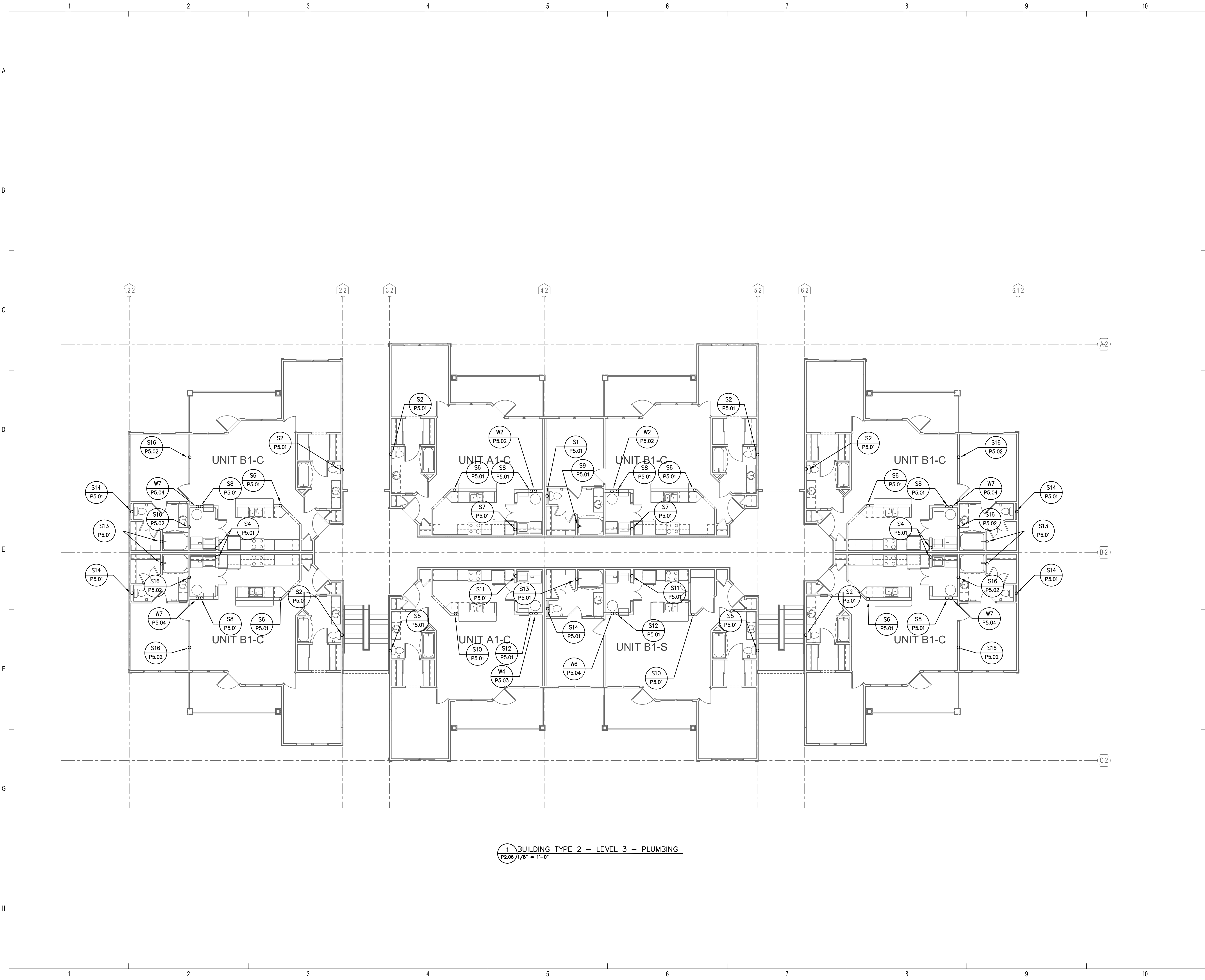


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BRIDGEWAY APARTMENTS		Drawn: TLC
CHATTANOOGA, TN		Checked: RDP
BUILDING TYPE 2 - LEVEL 2 - PLUMBING		Approved: KJC
P2.05		Date: 04/29/2013
		Project #: 5166-400





1. BUILDING TYPE 2 - LEVEL 3 - PLUMBING
 P2.06 1/8" = 1'-0"

ISSUE HISTORY		
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REVISION HISTORY		
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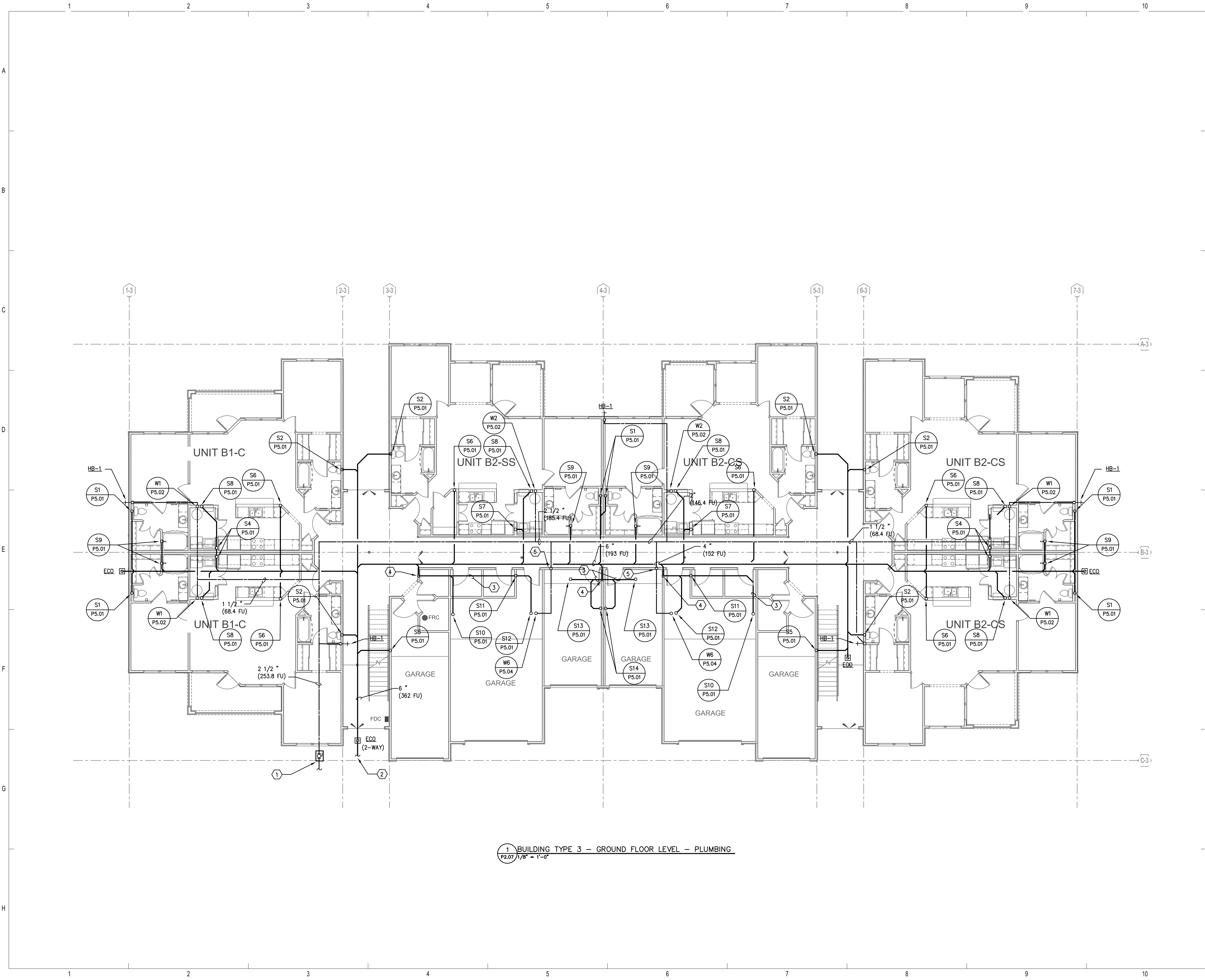


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BRIDGEWAY APARTMENTS		Drawn: TLC
CHATTANOOGA, TN		Checked: RDP
BUILDING TYPE 2 - LEVEL 3 - PLUMBING		Approved: KJC
P2.06		Date: 04/29/2013
		Project #: 5166.400





1 BUILDING TYPE 3 - GROUND FLOOR LEVEL - PLUMBING
 P2.07 1/8" = 1'-0"

- REFERENCE NOTES:**
- 1 2 1/2" DOMESTIC WATER SERVICE WITH BALL VALVE IN VALVE BOX. FOR CONTINUATION REFER TO CIVIL DRAWINGS. (253.8 F.U. = 76 GPM.)
 - 2 6" SANITARY WASTE PIPING BELOW GRADE AT 5'-0" FROM BUILDING WALL. FOR CONTINUATION REFER TO CIVIL DRAWINGS (362 F.U. INVERT AT - 4'-6" B.F.F.)
 - 3 SANITARY LINE ABOVE GARAGE CEILING.
 - 4 SANITARY LINE DOWN TO BELOW SLAB.
 - 5 COLD WATER PIPING UP TO ABOVE GARAGE CEILING.

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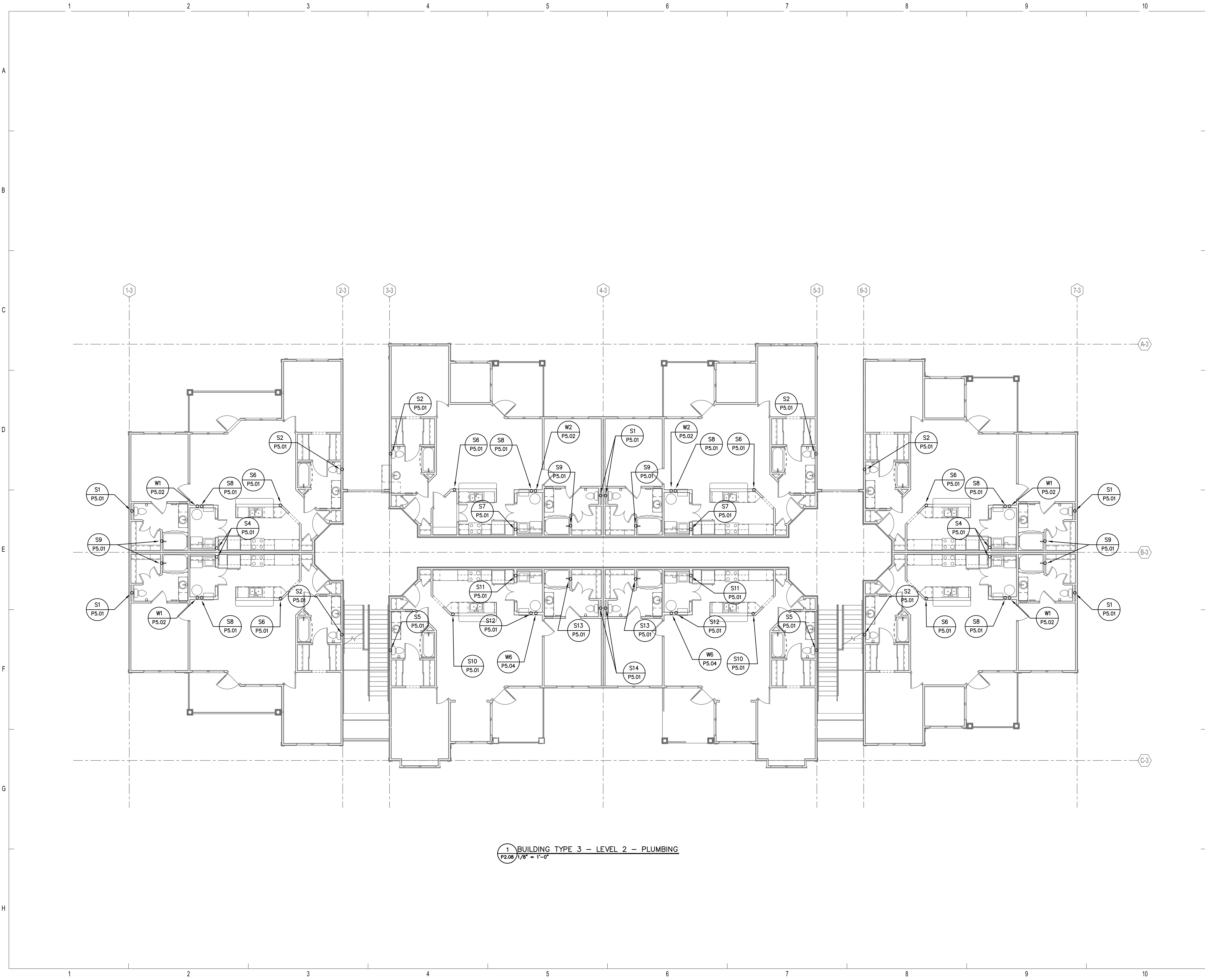


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BRIDGEWAY APARTMENTS CHATTANOOGA, TN	Drawn: TLC
	Checked: RDP
	Approved: KJC
	Date: 04/29/2013
BUILDING TYPE 3 - GROUND FLOOR LEVEL - PLUMBING	Project #: 5166-400
	P2.07





1. BUILDING TYPE 3 - LEVEL 2 - PLUMBING
 P2.08 1/8" = 1'-0"

ISSUE HISTORY		
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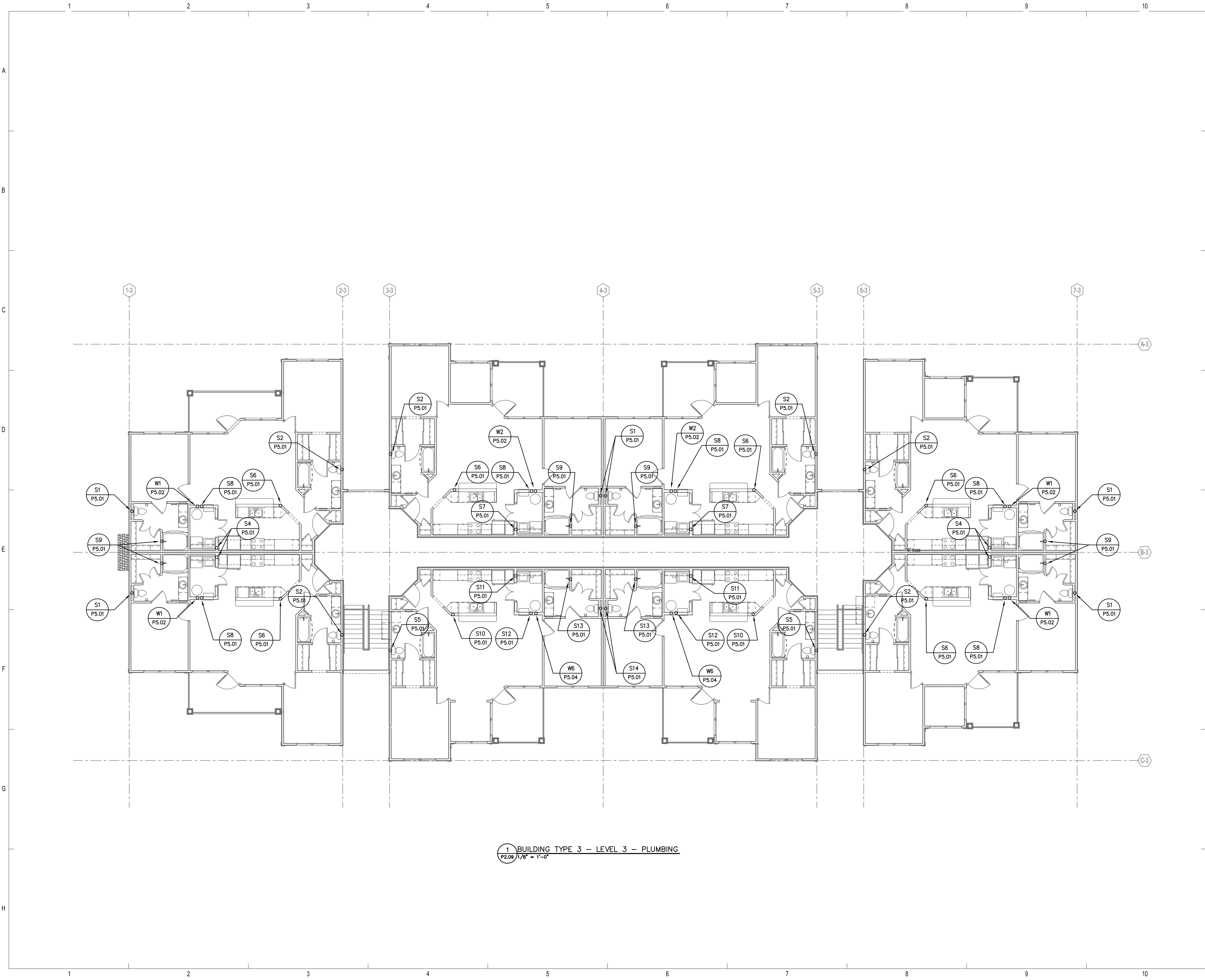


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BRIDGEWAY APARTMENTS		Drawn: TLC
CHATTANOOGA, TN		Checked: RDP
BUILDING TYPE 3 - LEVEL 2 - PLUMBING		Approved: KJC
P2.08		Date: 04/29/2013
		Project #: 5166-400





1 BUILDING TYPE 3 - LEVEL 3 - PLUMBING
 P2.09 1/8" = 1'-0"

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No.	Date	Description

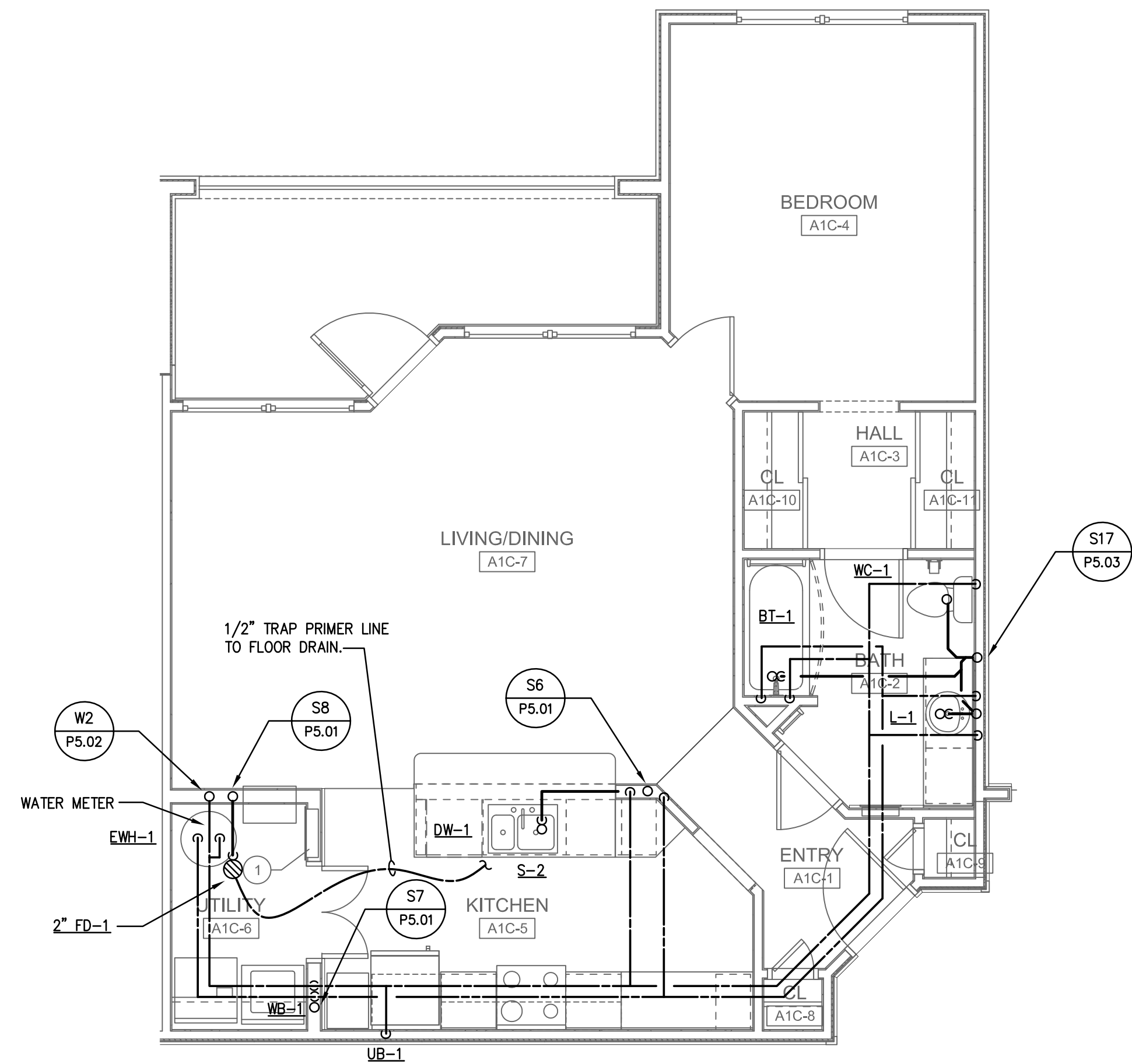


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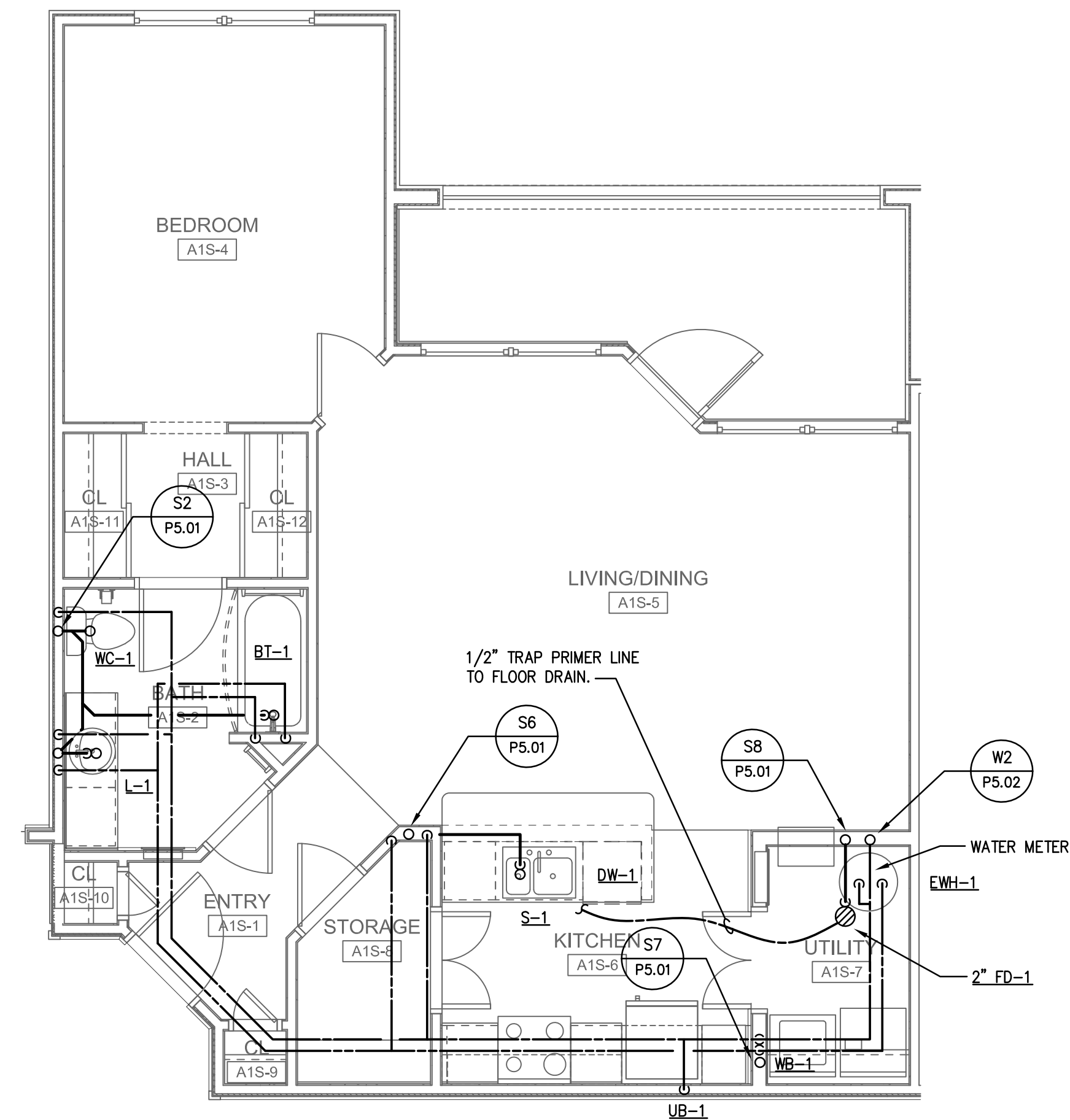
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BRIDGEWAY APARTMENTS		Drawn: TLC
CHATTANOOGA, TN		Checked: RDP
BUILDING TYPE 3 - LEVEL 3 - PLUMBING		Approved: KJC
P2.09		Date: 04/29/2013
		Project #: 5166.400

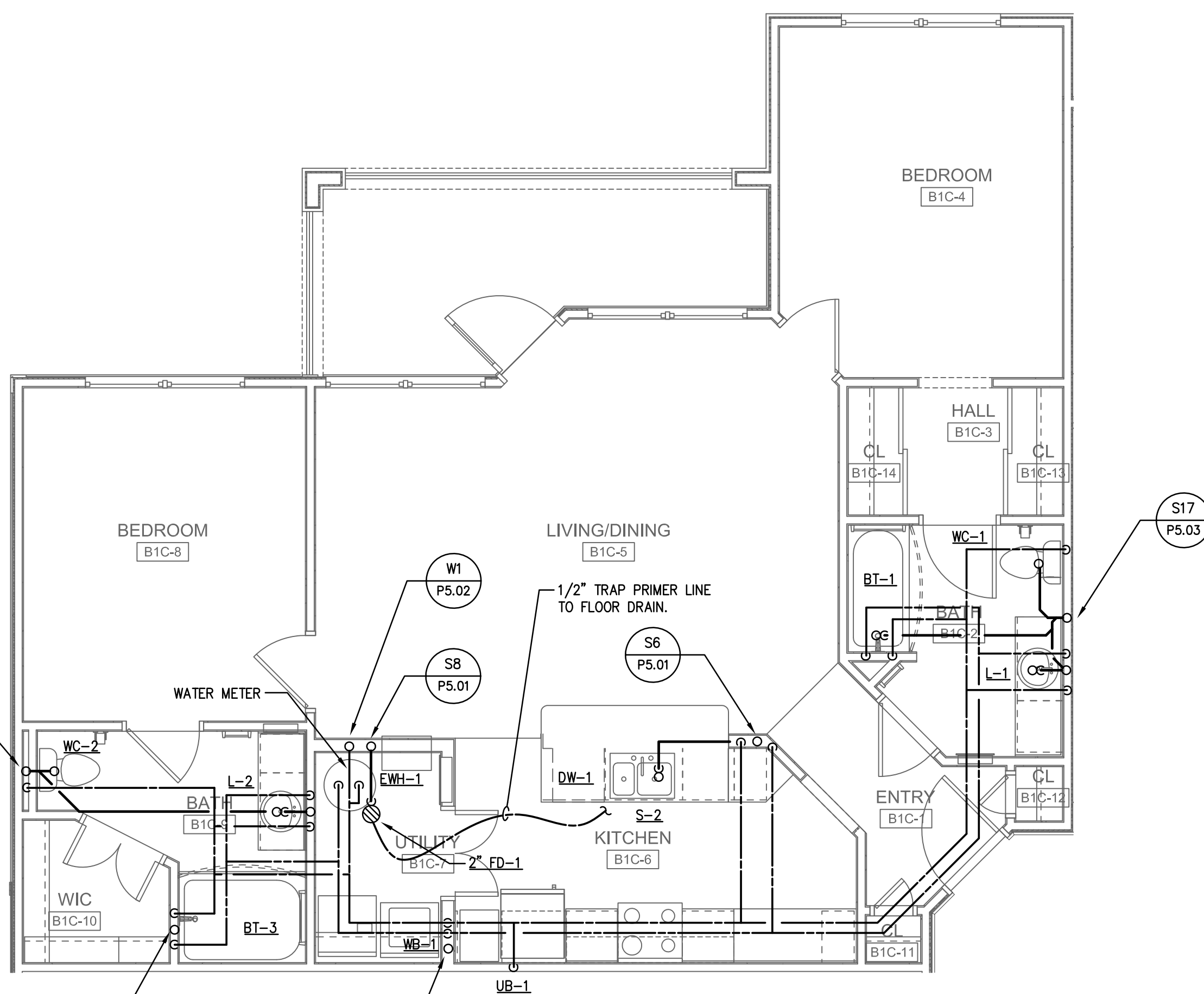




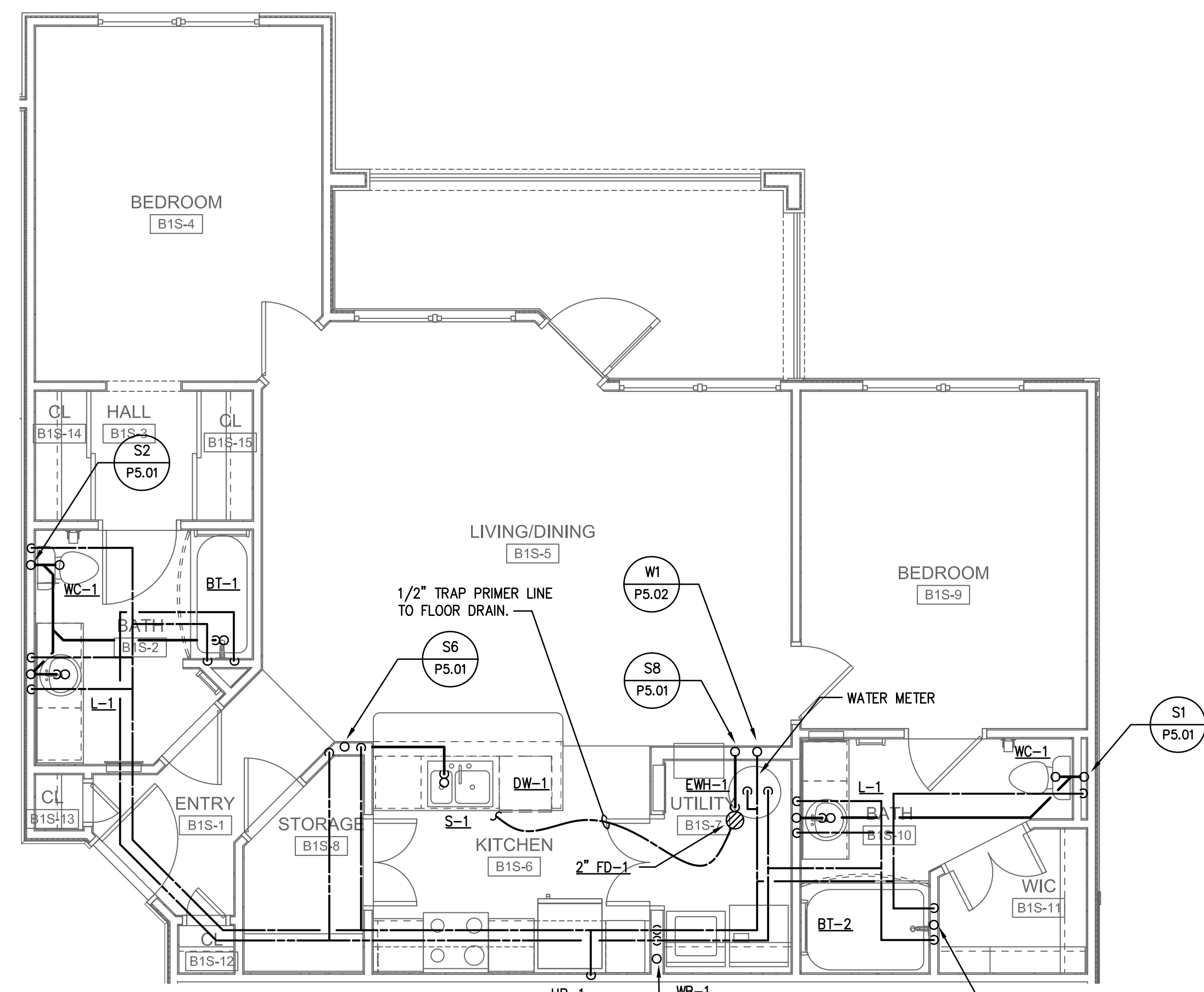
4 ENLARGED UNIT A1-C - PLUMBING
P3.01 1/4" = 1'-0"



2 ENLARGED UNIT A1-S - PLUMBING
P3.01 1/4" = 1'-0"



3 ENLARGED UNIT B1-C - PLUMBING
P3.01 1/4" = 1'-0"



1 ENLARGED UNIT B1-S - PLUMBING
P3.01 1/4" = 1'-0"

ISSUE HISTORY

No.	Date	Description
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REVISION HISTORY

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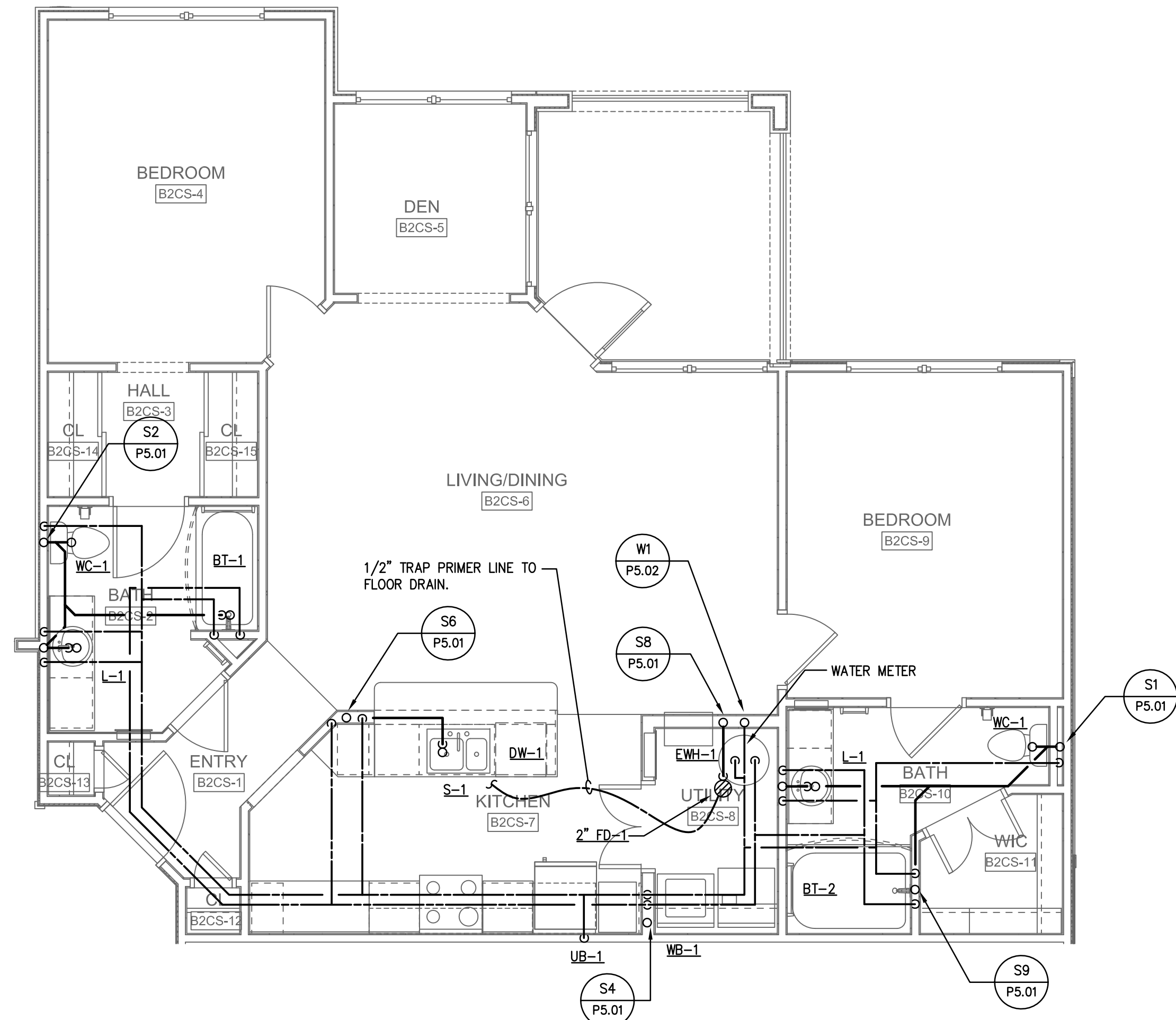


BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

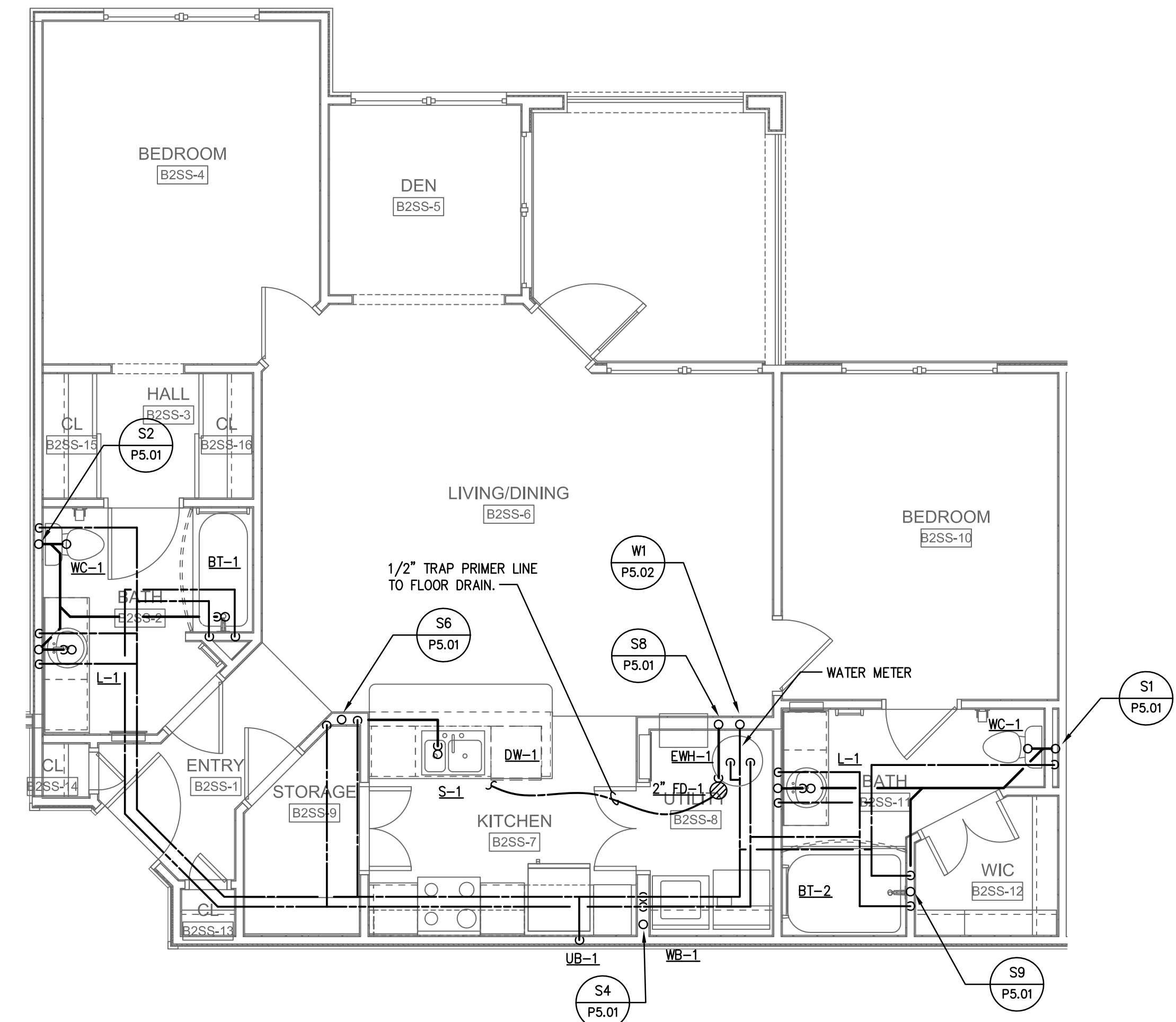
ENLARGED PLANS - PLUMBING

P3.01

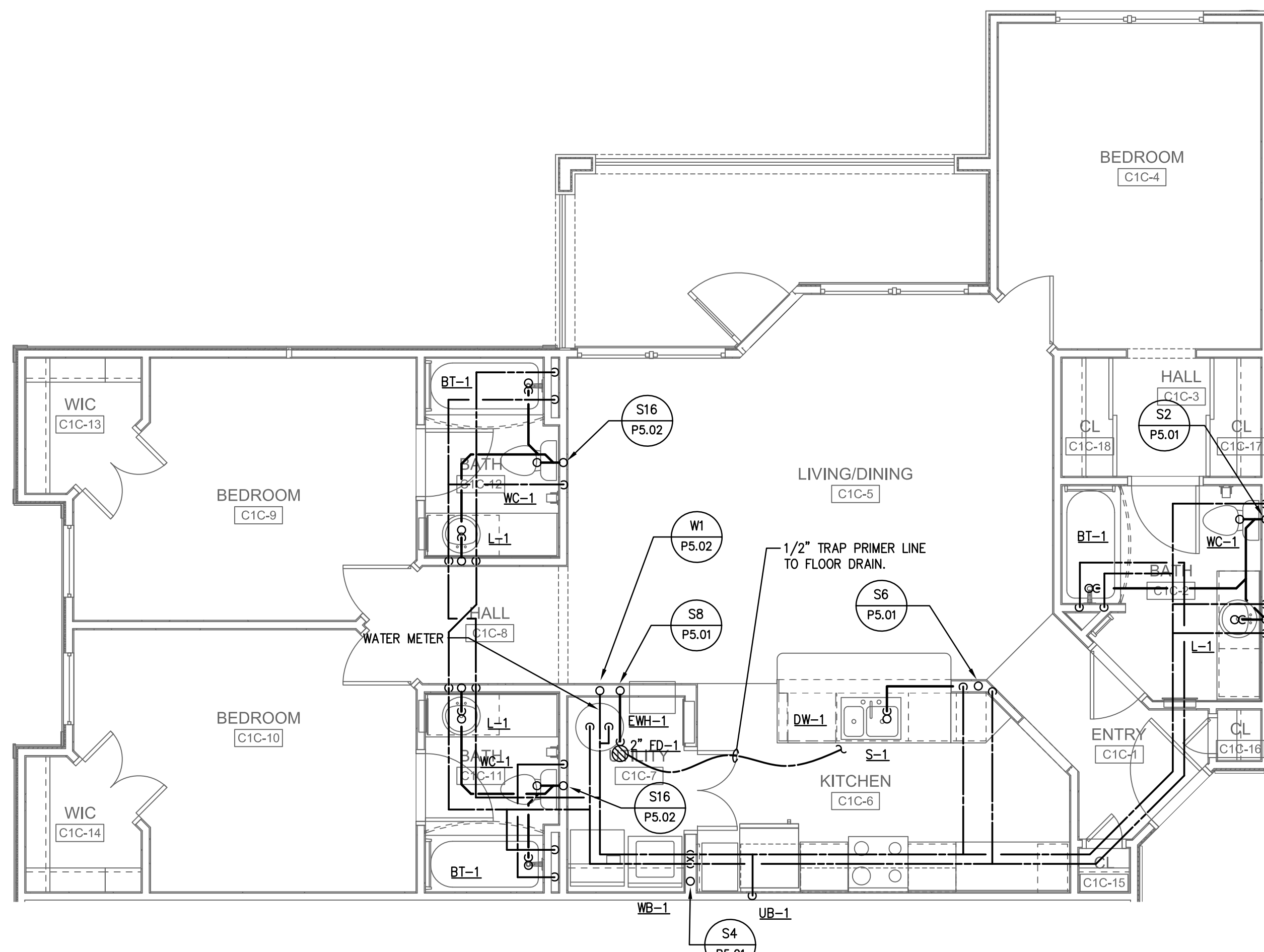




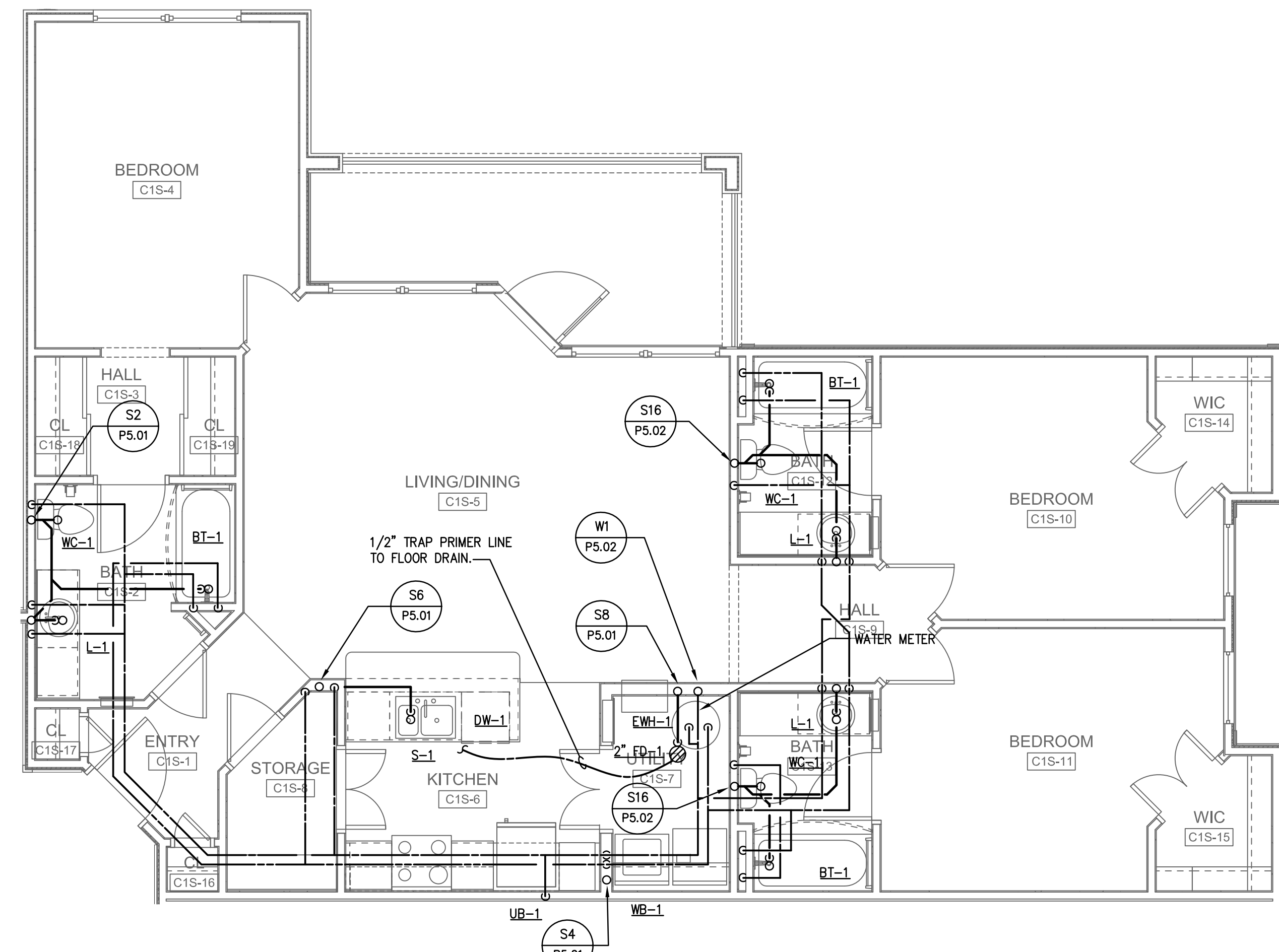
4 ENLARGED UNIT B2-CS - PLUMBING
P3.02 1/4" = 1'-0"



2 ENLARGED UNIT B2-SS - PLUMBING
P3.02 1/4" = 1'-0"



3 ENLARGED UNIT C1-C - PLUMBING
P3.02 1/4" = 1'-0"



1 ENLARGED UNIT C1-S - PLUMBING
P3.02 1/4" = 1'-0"

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT ISSUE

REVISION HISTORY		
No.	Date	Description



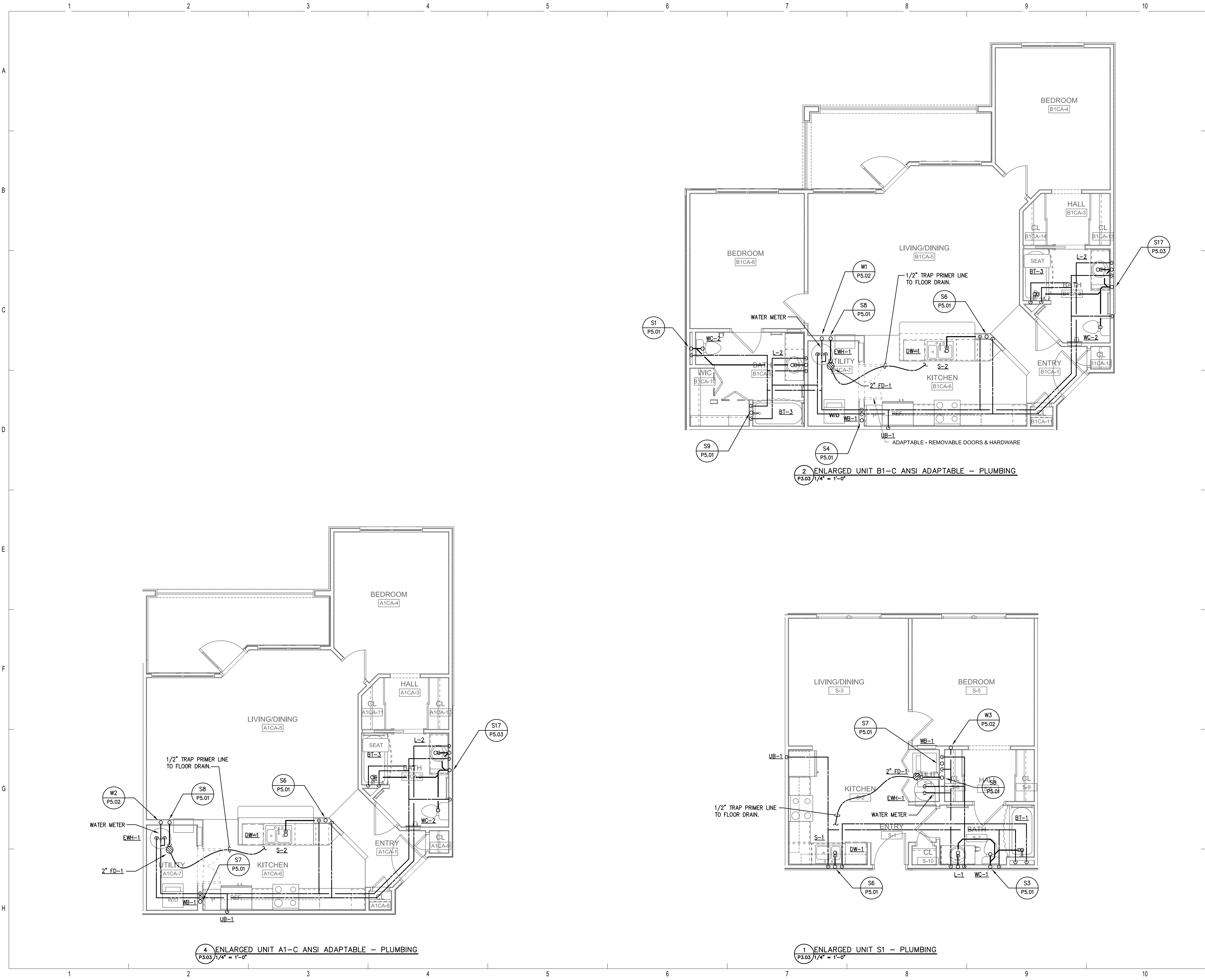
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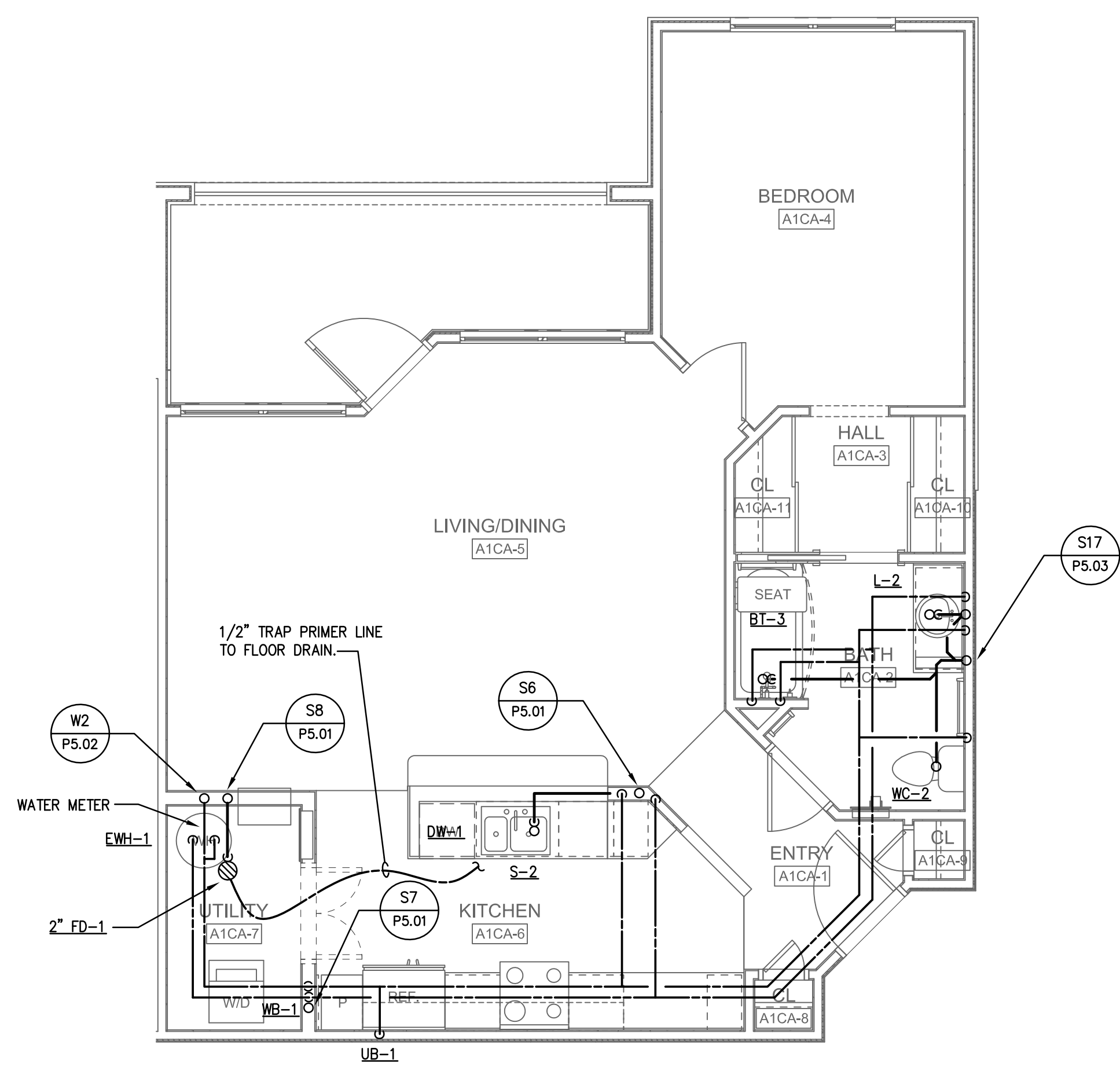
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN
ENLARGED PLANS - PLUMBING
P3.02

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400

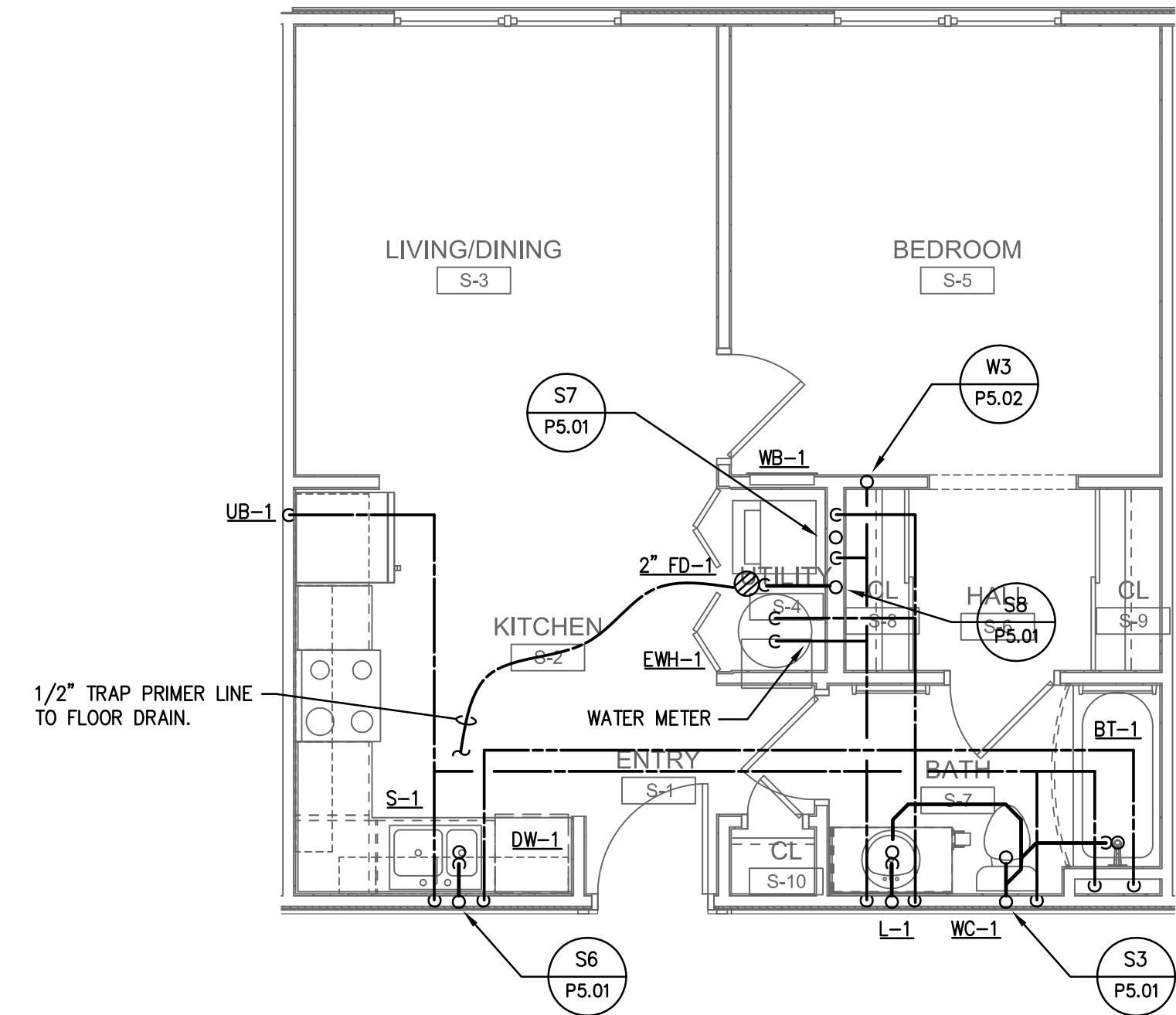




2 ENLARGED UNIT B1-C ANSI ADAPTABLE - PLUMBING
 P3.03 1/4" = 1'-0"



4 ENLARGED UNIT A1-C ANSI ADAPTABLE - PLUMBING
 P3.03 1/4" = 1'-0"



1 ENLARGED UNIT S1 - PLUMBING
 P3.03 1/4" = 1'-0"

ISSUE HISTORY

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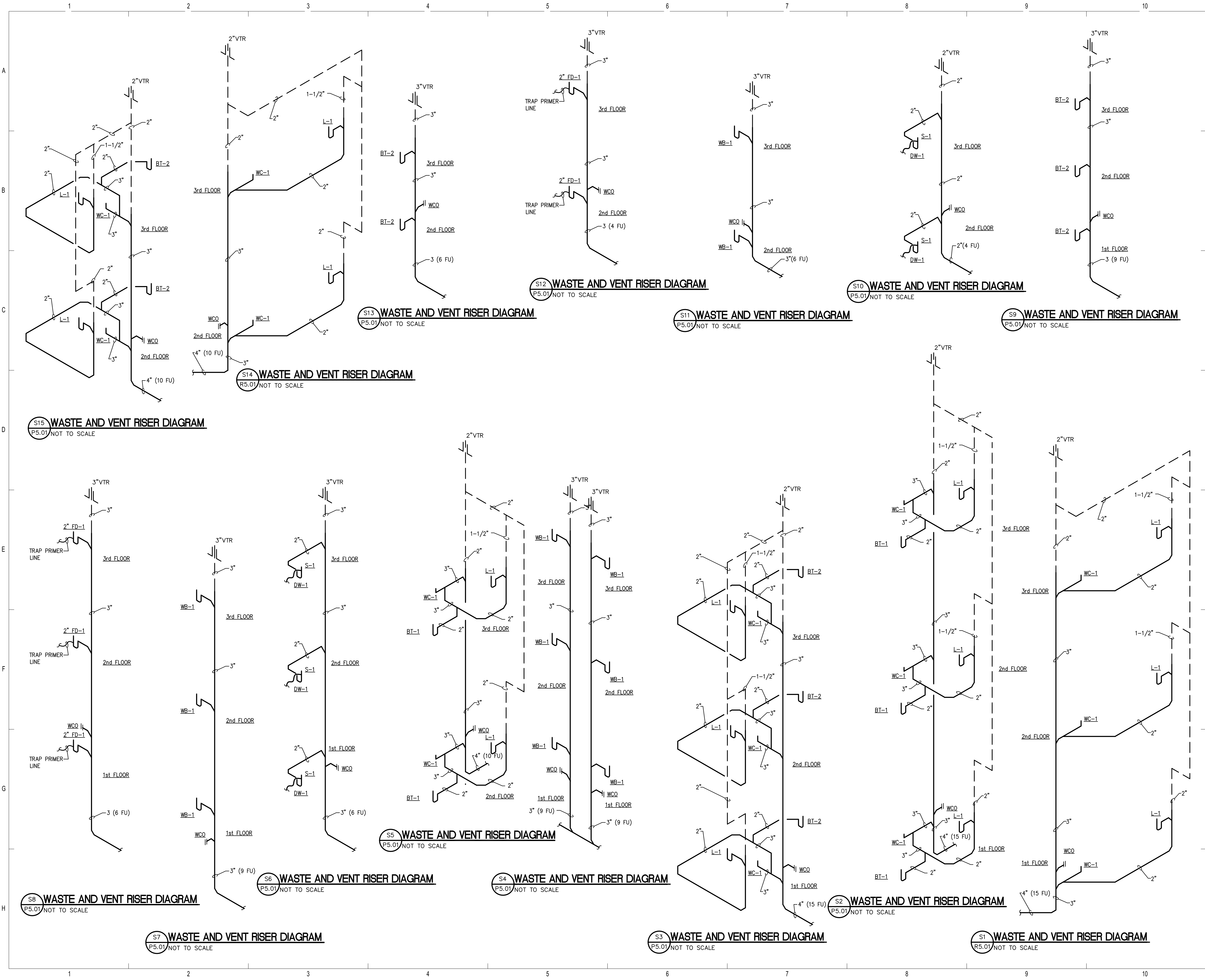


BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN

ENLARGED PLANS - PLUMBING

P3.03





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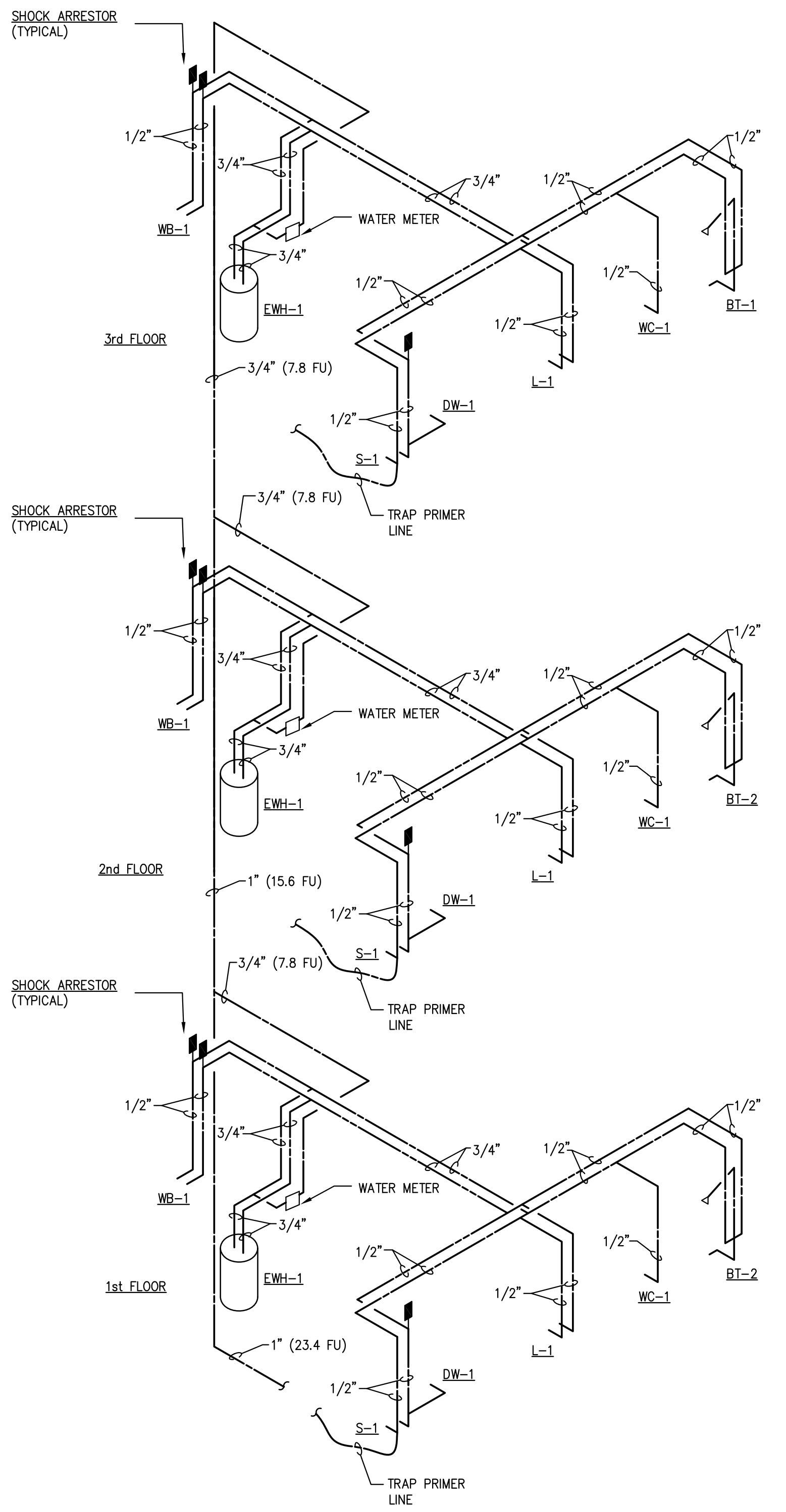
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BRIDGEWAY APARTMENTS	Drawn: TLC Checked: RDP Approved: KJC Date: 04/29/2013 Project #: 5166-400
CHATTANOOGA, TN	
RISERS - PLUMBING	P5.01

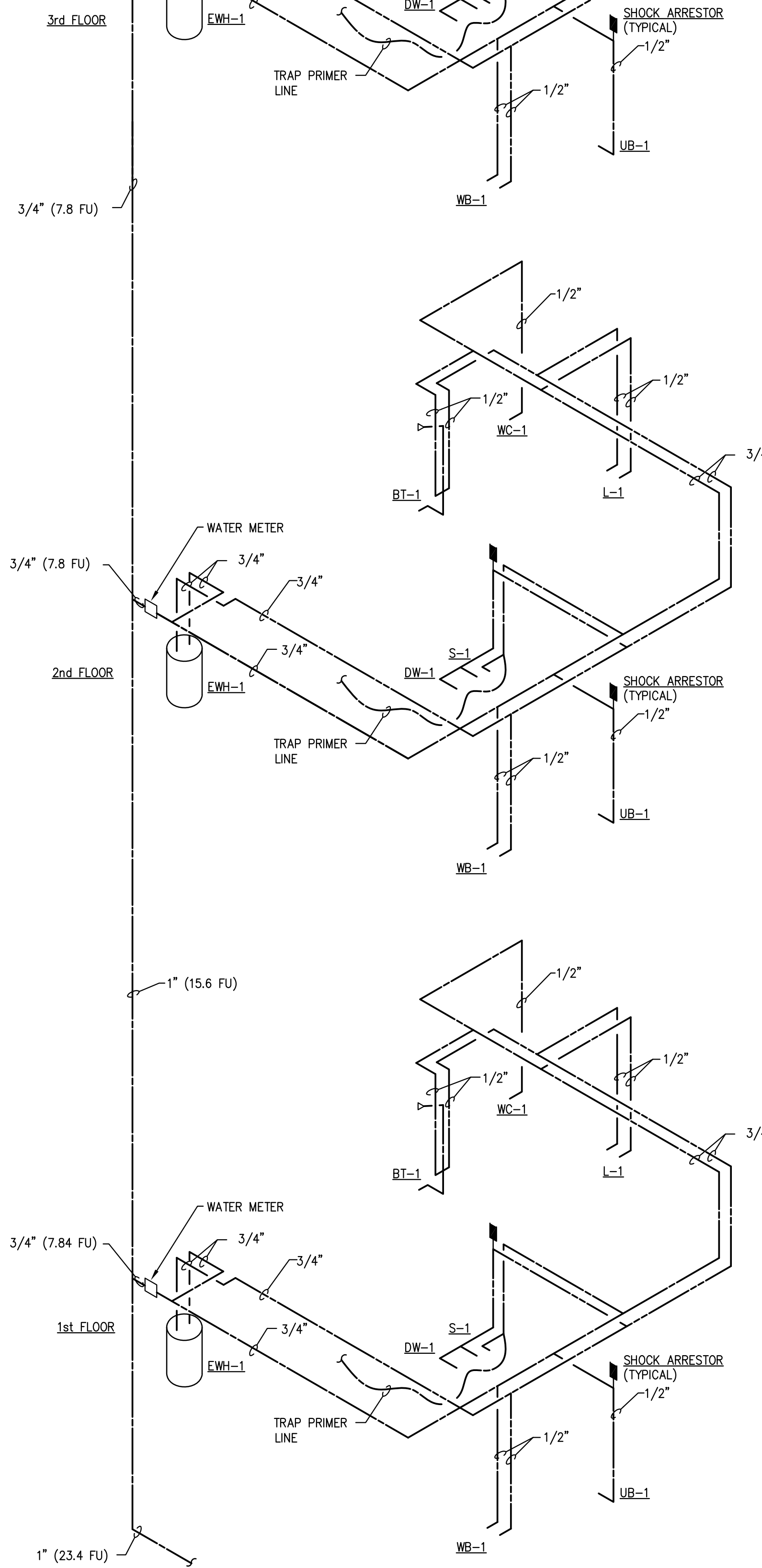


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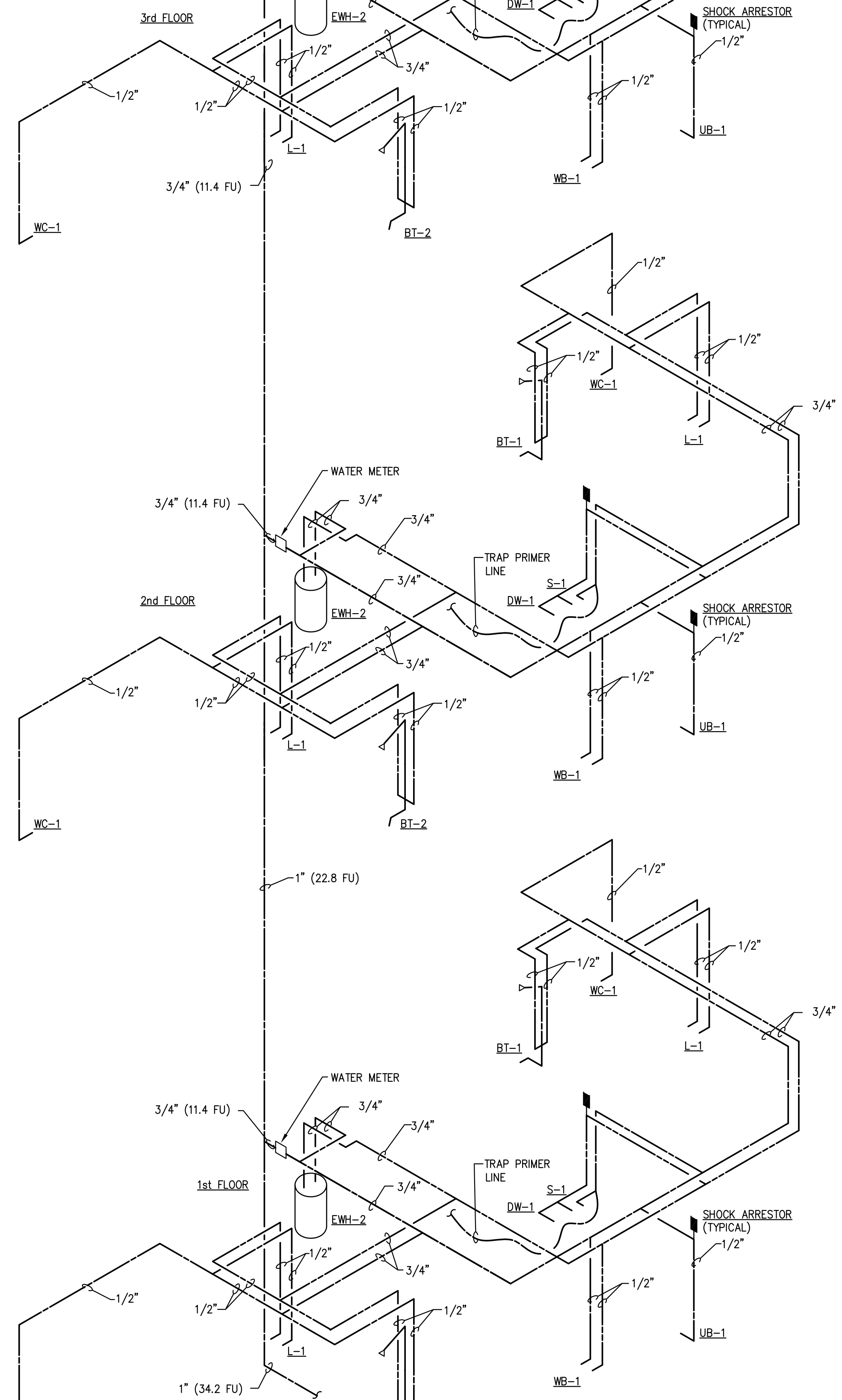
S16 WASTE AND VENT RISER DIAGRAM
P5.02 NOT TO SCALE



W3 HOT AND COLD WATER RISER DIAGRAM
P5.02 NOT TO SCALE



W2 HOT AND COLD WATER RISER DIAGRAM
P5.02 NOT TO SCALE



W1 HOT AND COLD WATER RISER DIAGRAM
P5.02 NOT TO SCALE

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT ISSUE

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No.	Date	Description



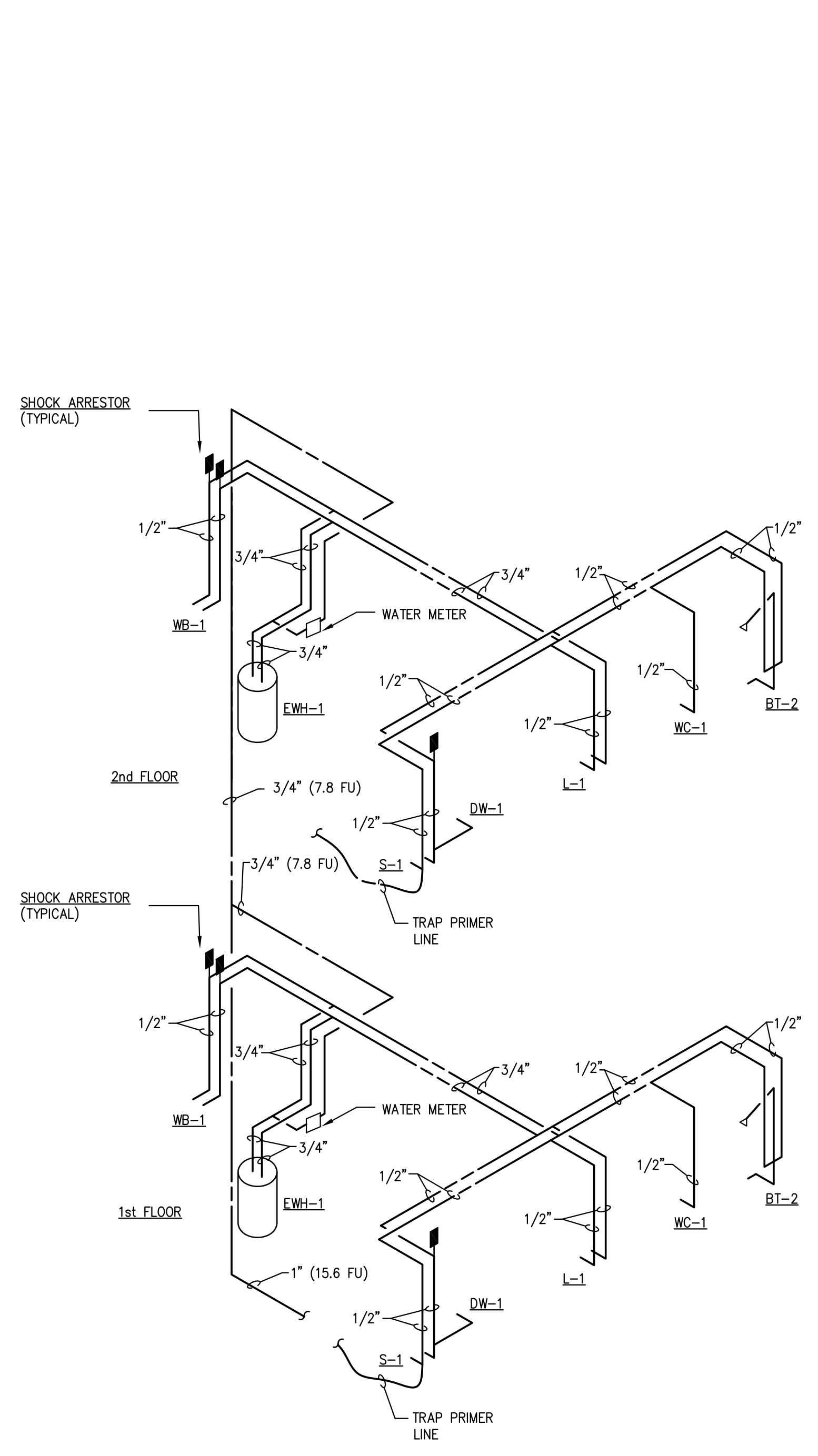
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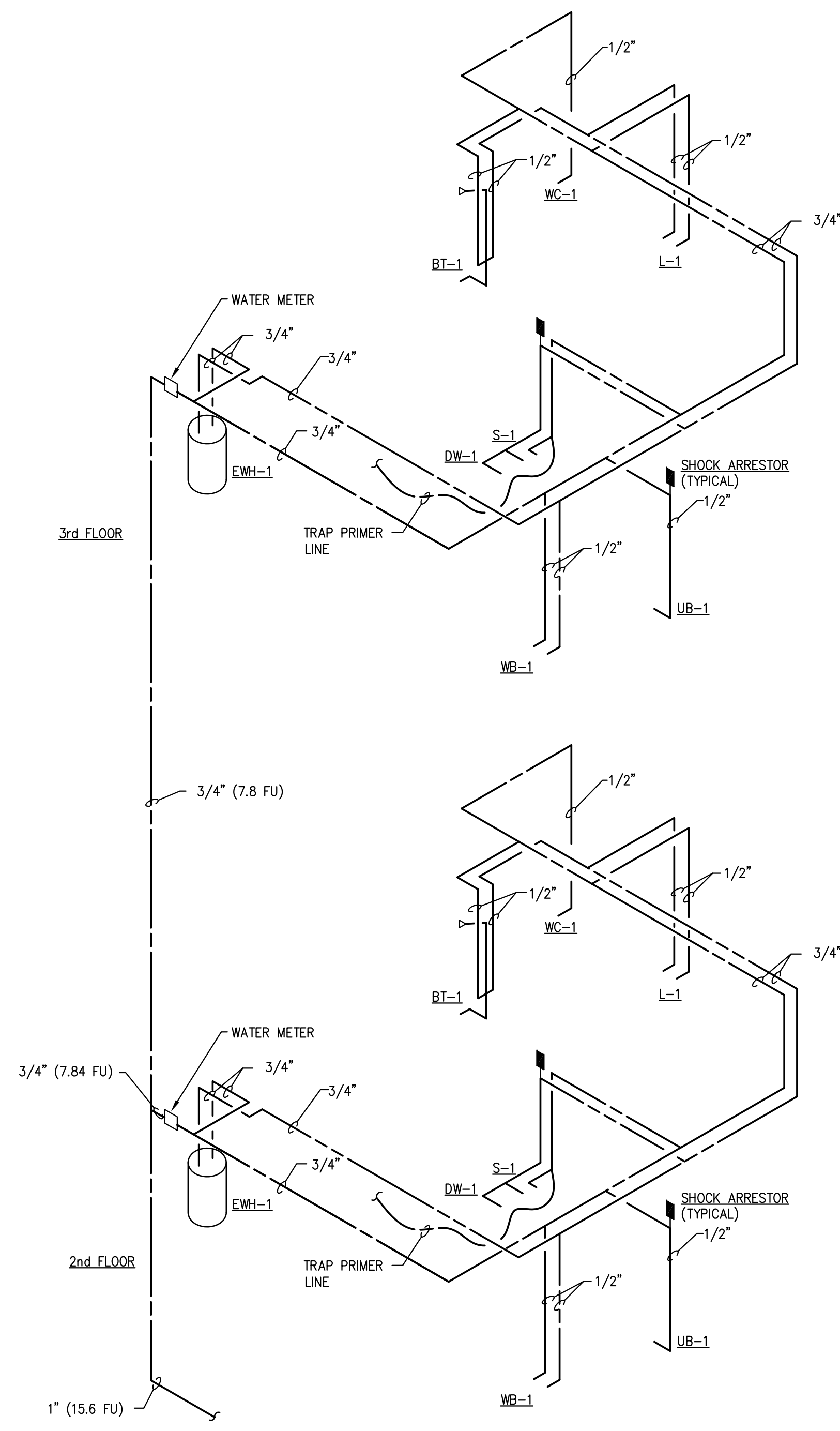
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

RISERS - PLUMBING
P5.02

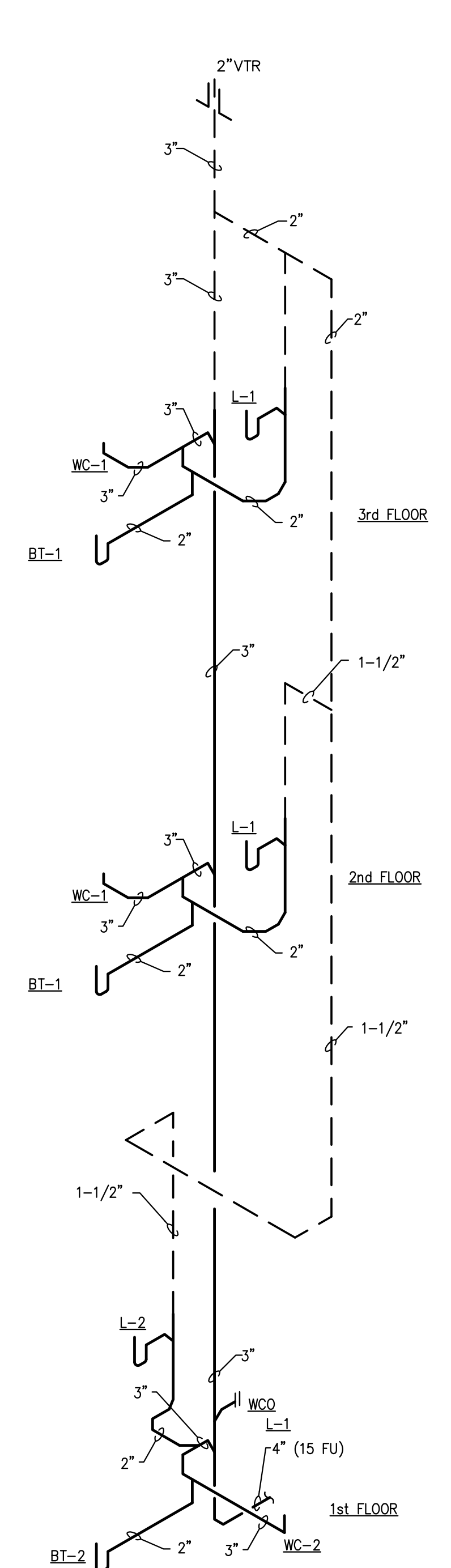




WS HOT AND COLD WATER RISER DIAGRAM
P5.03 NOT TO SCALE



W4 HOT AND COLD WATER RISER DIAGRAM
P5.03 NOT TO SCALE



S17 WASTE AND VENT RISER DIAGRAM
P5.03 NOT TO SCALE

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No.	Date	Description
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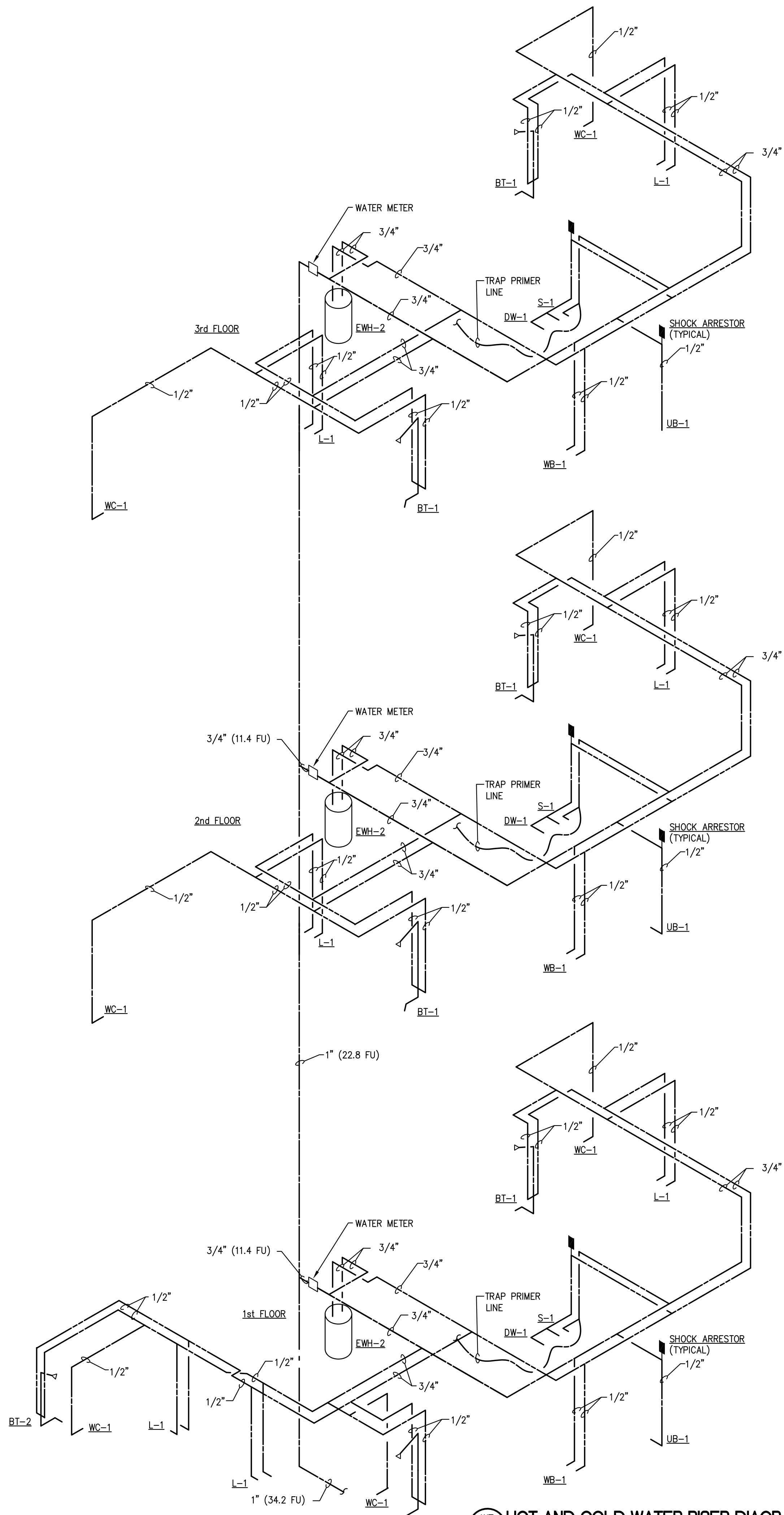


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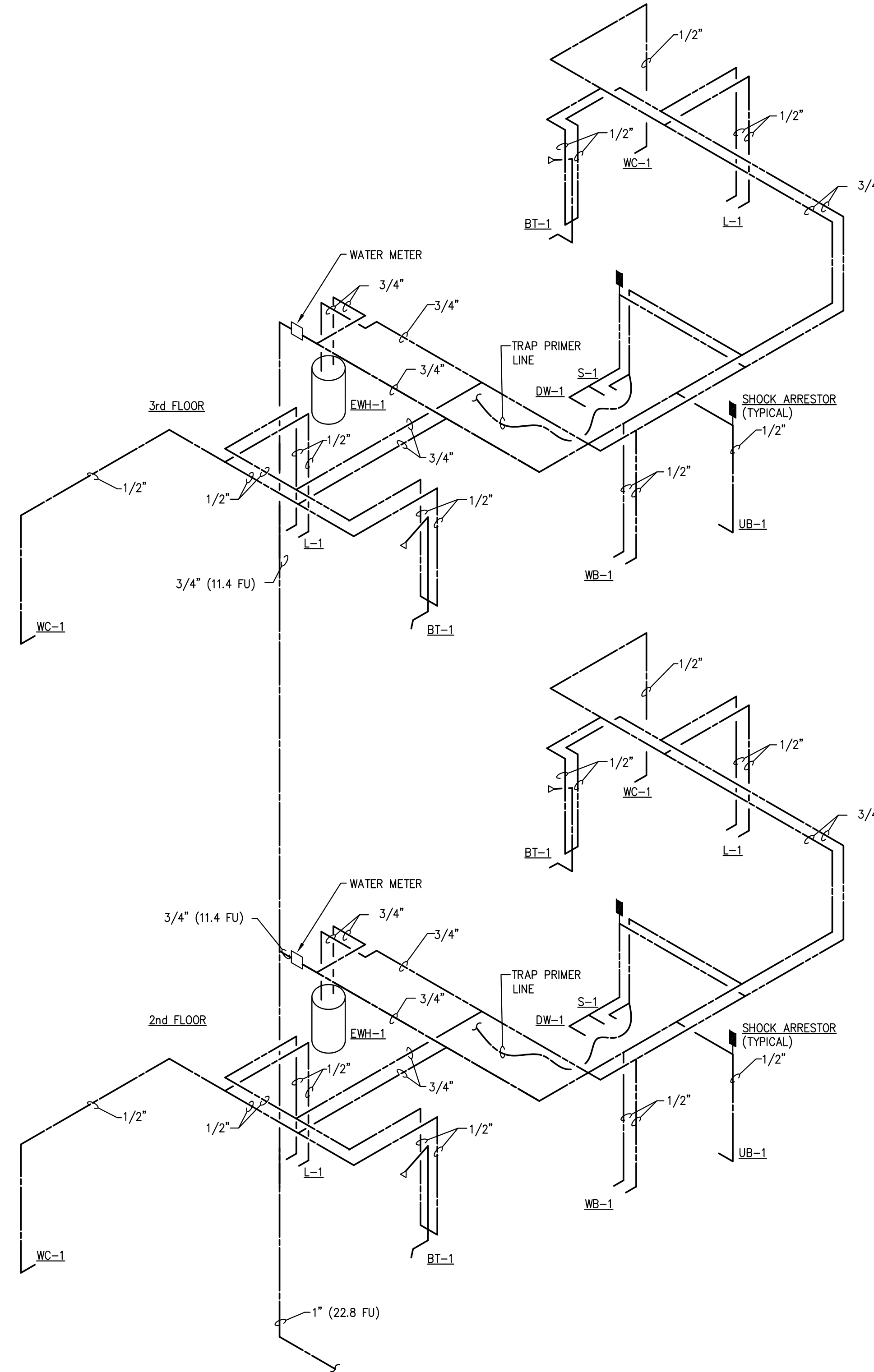


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RISERS - PLUMBING		Approved: KJC
P5.03		Date: 04/29/2013
Project #: 5166.400		





W7 HOT AND COLD WATER RISER DIAGRAM
P5.04 NOT TO SCALE



W6 HOT AND COLD WATER RISER DIAGRAM
P5.04 NOT TO SCALE

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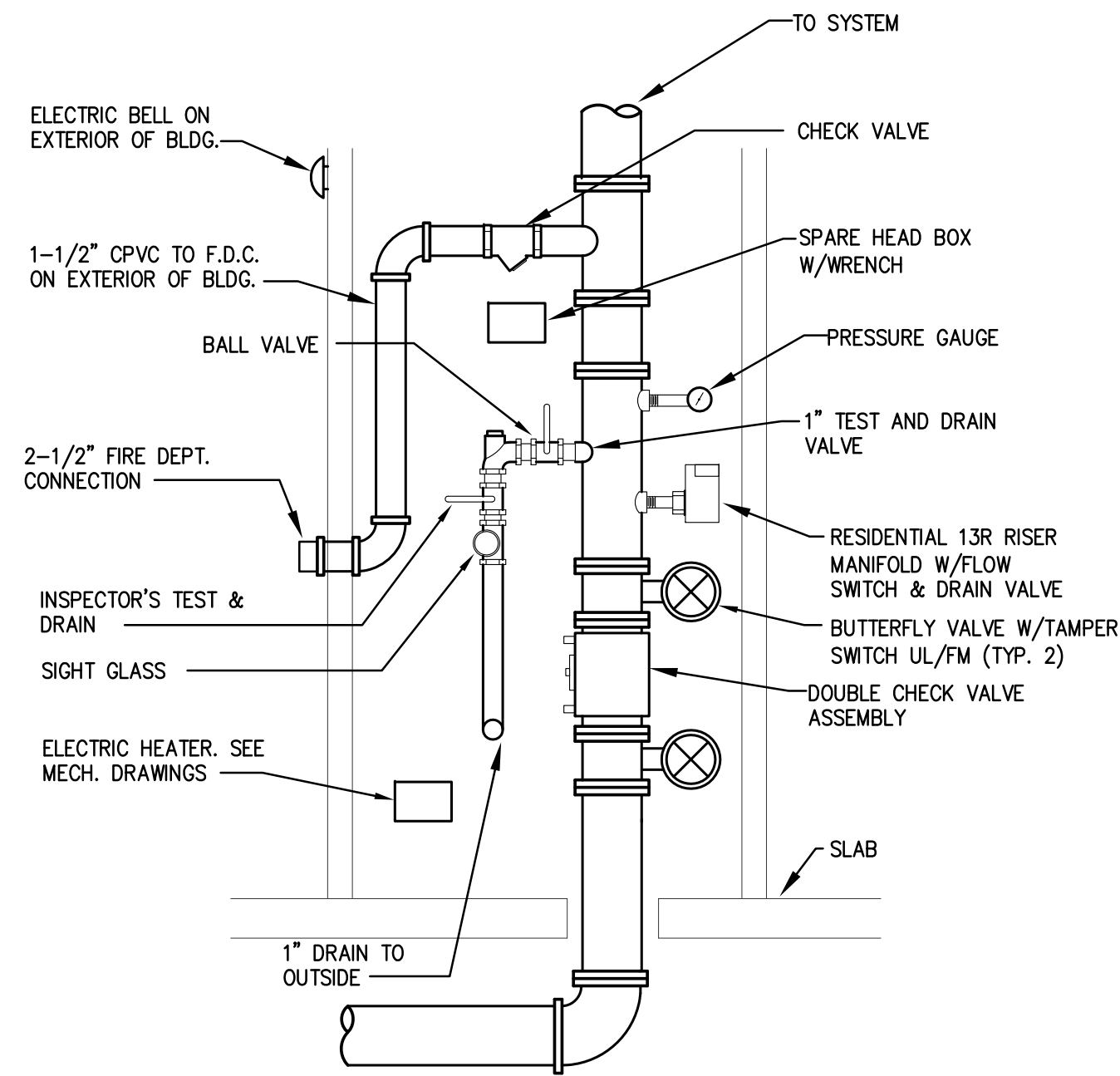
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

RISERS - PLUMBING

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400

P5.04





RISER DETAIL
NOT TO SCALE

DESIGN CRITERIA

1. PROVIDE 0.05 GPM/SQ. FT. FOR ALL THE DWELLING UNITS (RESIDENTIAL OCCUPANCY), IN ACCORDANCE WITH NFPA 13R, USING RESIDENTIAL SPRINKLERS.
2. THE NUMBER OF DESIGN SPRINKLERS SHALL INCLUDE ALL SPRINKLERS WITHIN A COMPARTMENT UP TO A MINIMUM OF FOUR SPRINKLERS UNDER A FLAT, SMOOTH, HORIZONTAL CEILING, ANY UNTEL WITH 8" MINIMUM WILL DIVIDE AN AREA INTO TWO COMPARTMENTS.

GENERAL NOTES

1. PROVIDE SIGN ON DOOR INDICATING "FIRE RISER & FIRE DEPT. CONNECTION INSIDE."

FIRE PROTECTION SPRINKLER DESIGN

1. THESE DRAWINGS ARE INTENDED TO ILLUSTRATE THE DESIGN INTENT AND AID IN THE COORDINATION OF ELEMENTS OF A FIRE PROTECTION SPRINKLER DESIGN. **THESE DRAWINGS DO NOT PROVIDE THE ENGINEERING OR THE DESIGN OF THE SYSTEM.**
2. AS A REQUIREMENT OF THIS CONTRACT, THE SERVICES OF A PROFESSIONAL ENGINEER SHALL BE PROVIDED TO ENGINEER, DESIGN AND PERMIT THE FIRE PROTECTION SPRINKLER SYSTEM. **THIS SPECIALTY ENGINEER SHALL BE THE ENGINEER OF RECORD.**
3. THE DESIGN OF THE FIRE PROTECTION SPRINKLER SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND THE APPLICABLE STANDARDS FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
4. THE FIRE PROTECTION SPRINKLER DESIGN SHALL BE COORDINATED WITH OTHER ASPECTS OF THE BUILDING DESIGN INCLUDING, BUT NOT LIMITED TO, FIRE ALARM, ELECTRICAL POWER AND LIGHTING, REFLECTED CEILING, DUCTWORK, PLUMBING AND THE BUILDING STRUCTURAL SYSTEM.
5. THE FIRE PROTECTION SPRINKLER SPECIALTY ENGINEER SHALL BE AVAILABLE FOR COORDINATION MEETINGS, FIELD REVIEWS AND CONFLICT RESOLUTION PRIOR TO AND DURING CONSTRUCTION.
6. THE FIRE PROTECTION SPRINKLER DESIGN DRAWINGS SHALL BE SUBMITTED FOR COORDINATION PRIOR TO INSTALLATION OF THE SYSTEM. INSTALLATION WITHOUT COORDINATION WILL BE AT THE CONTRACTOR'S RISK AND REWORK OF THE SYSTEM SHALL BE PROVIDED WITHOUT ADDITIONAL COST.

GENERAL NOTES

1. ALL WORK & MATERIAL SHALL BE DONE IN ACCORDANCE WITH NFPA 13R AND THE LOCAL AUTHORITY.
2. ALL PIPE AND FITTINGS TO BE CPVC, UNLESS NOTED OTHERWISE EXCEPT FOR THE BLDG. RISER WHICH SHALL BE SCHEDULE 40 GALVANIZED STEEL.
3. ALL RESIDENTIAL SPRINKLER HEAD SPACING TO BE IN ACCORDANCE WITH THE MANUFACTURER'S LISTING.
4. ALL FIREWALL PENETRATIONS TO BE SEALED IN ACCORDANCE WITH THEIR RATING.

FIRE PROTECTION SCHEDULE							
SYMBOL	TEMP. RATING	TYPE	ORIFICE SIZE	K-FACTOR	FINISH	ACCESSORIES	SELECTION
●	155°F	SEMI-RECESSED PENDENT	1/2"	4.9	WHITE	WHITE ESCUTCHEON	TYCO LFI QUICK RESPONSE
◀	155°F	HORIZONTAL DRY SIDEWALL	1/2"	5.6	CHROME	-	TYCO SERIES DS-1 EXTENDED COVERAGE
⊙	155°F	DRY PENDENT	1/2"	5.6	WHITE	WHITE ESCUTCHEON	TYCO SERIES DS-1

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

FIRE PROTECTION SYMBOL LEGEND	
—	FIRE PROTECTION SUPPLY PIPING
⊗	SOLENOID VALVE WITH TAMPER SWITCH
⊗	BUTTERFLY VALVE WITH TAMPER SWITCH
□	FLOW SWITCH
FDC	FIRE DEPARTMENT CONNECTION PIPING
—	PIPE HANGER
⊙	POST INDICATING VALVE
⊙	FIRE DEPT. CONNECTION

ABBREVIATIONS	
CONT.	CONTINUATION
ETR	EXISTING TO REMAIN
N	NEW HEAD
F	FIRE
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
FS	FLOW SWITCH
GPM	GALLONS PER MINUTE
PSI	POUNDS PER SQUARE INCH (WATER PRESSURE)
PIV	POST INDICATING VALVE
R	RELOCATE HEAD
TS	TAMPER SWITCH

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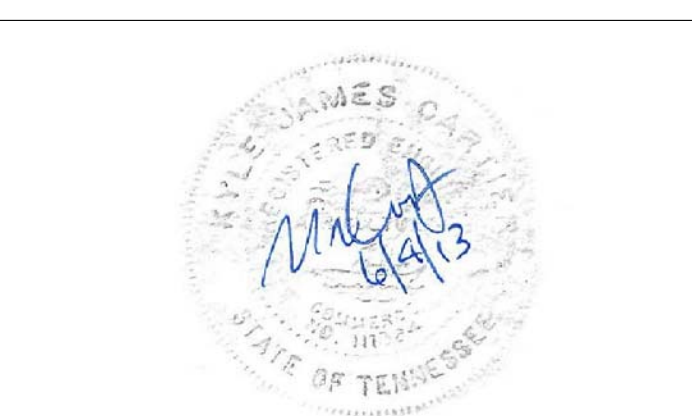
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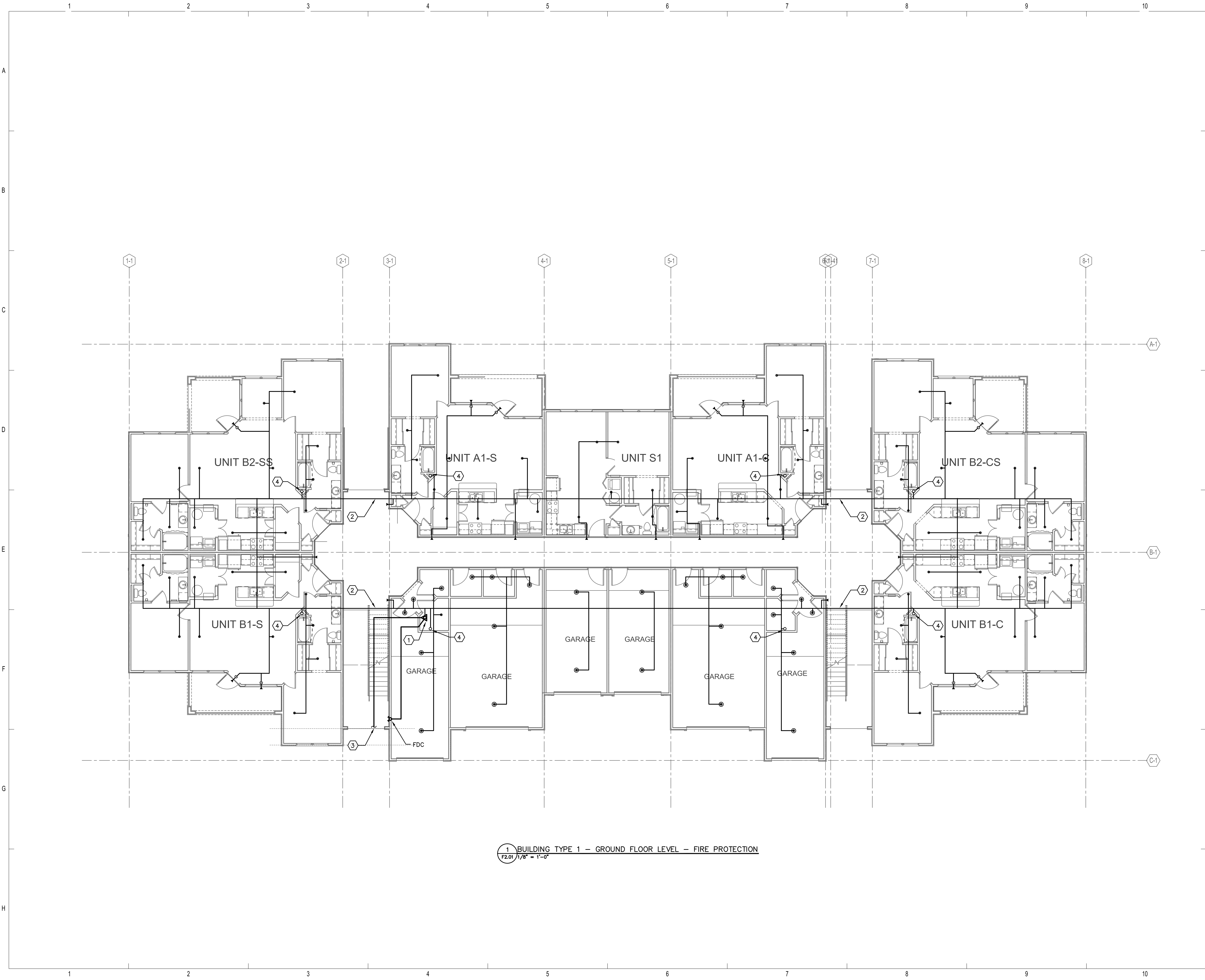
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Date: 04/29/2013
Project #: 5166.400

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

LEGEND DETAILS AND SCHEDULES - FIRE PROTECTION

F0.01





REFERENCE NOTES:

- ① 3" FIRE RISER. SEE DETAIL.
- ② INSTALL PIPE INSIDE SOFFIT. REFER TO THE ARCHITECTURAL DRAWINGS FOR DETAIL.
- ③ FOR CONTINUATION REFER TO CIVIL DRAWINGS.
- ④ FIRE LINE UP TO FLOOR ABOVE.

ISSUE HISTORY

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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

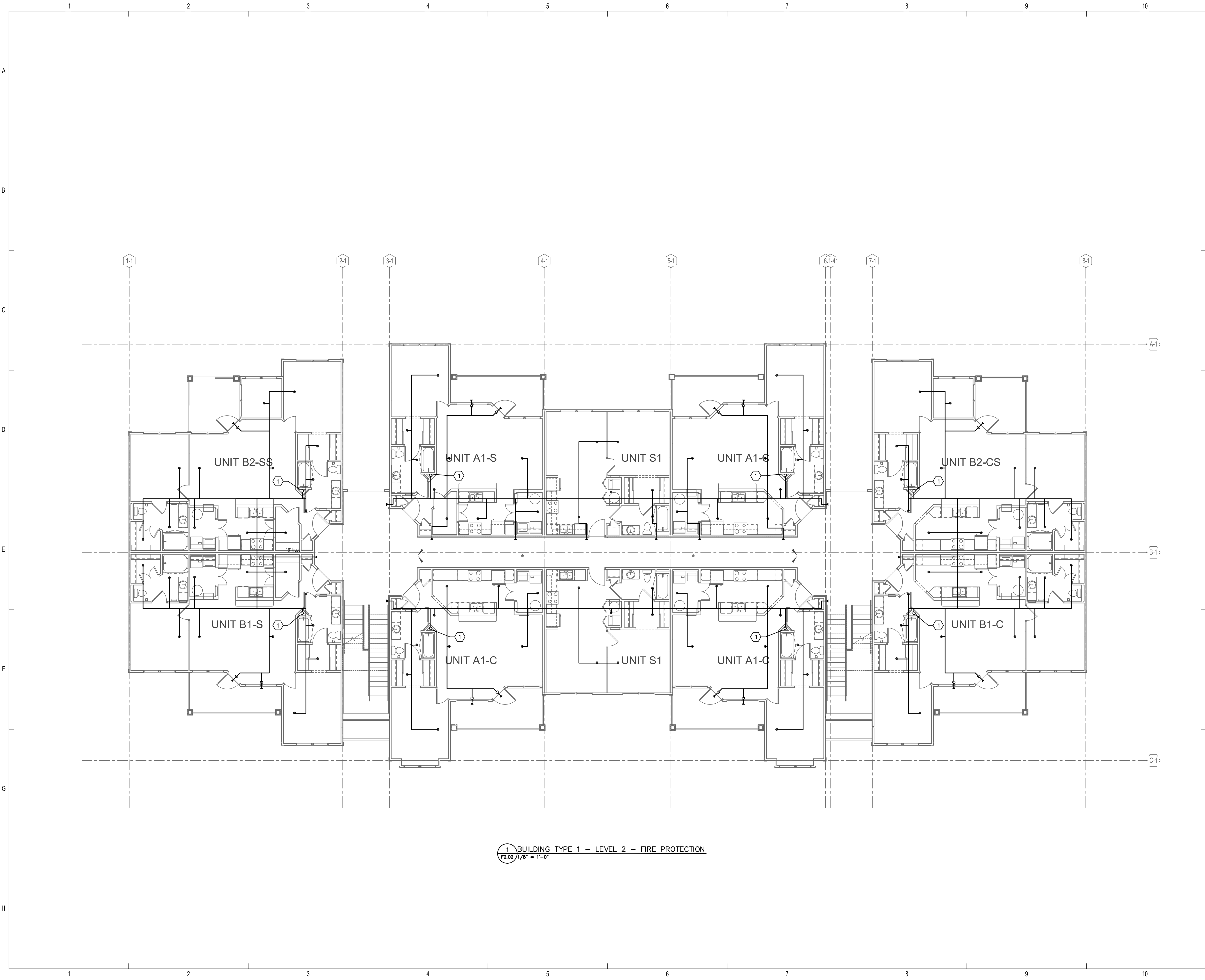
Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400

BUILDING TYPE 1 - GROUND FLOOR LEVEL - FIRE PROT.

F2.01



1 BUILDING TYPE 1 - GROUND FLOOR LEVEL - FIRE PROTECTION
F2.01 1/8" = 1'-0"



REFERENCE NOTES:

- ① FIRE LINE UP TO FLOOR ABOVE.

ISSUE HISTORY

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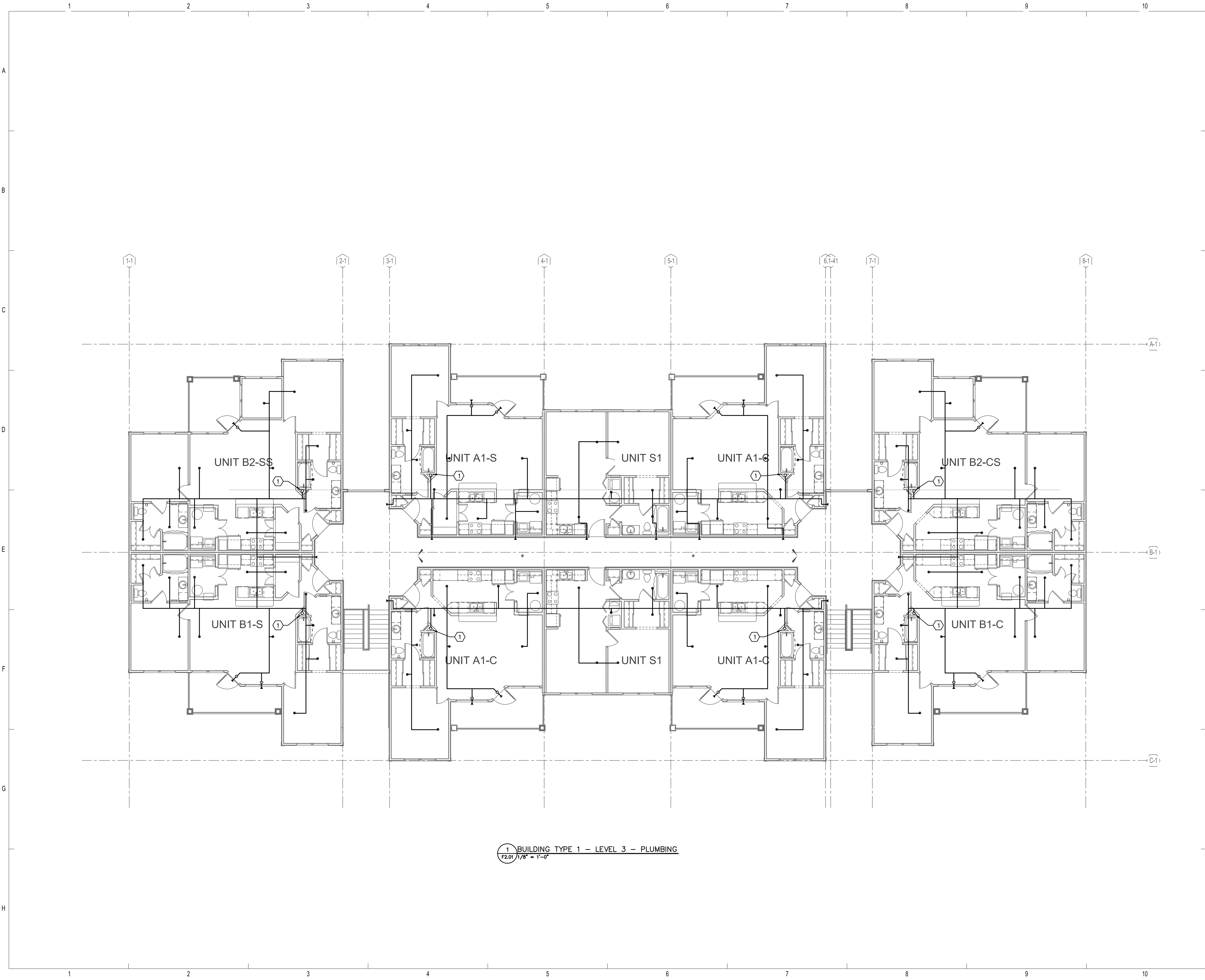
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 1 - LEVEL 2 - FIRE PROTECTION

F2.02





REFERENCE NOTES:

- ① FIRE LINE UP FROM FLOOR BELOW.

ISSUE HISTORY		
No.	Date	Description
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REVISION HISTORY		
No.	Date	Description

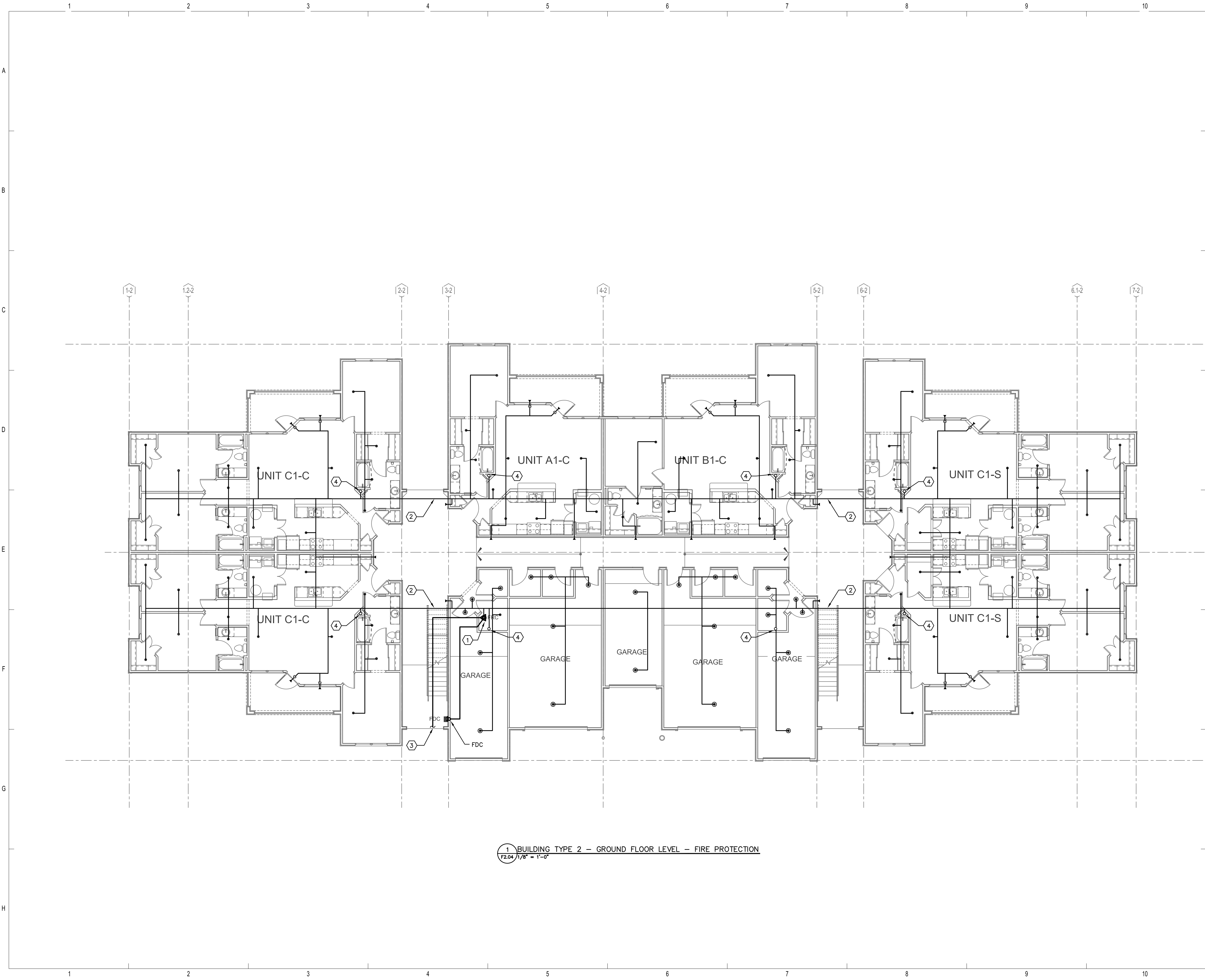


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BRIDGEWAY APARTMENTS		Drawn: TLC
CHATTANOOGA, TN		Checked: RDP
BUILDING TYPE 1 - LEVEL 3 - FIRE PROTECTION		Approved: KJC
F2.03		Date: 04/29/2013
		Project #: 5166-400





REFERENCE NOTES:

- ① 3" FIRE RISER. SEE DETAIL.
- ② INSTALL PIPE INSIDE SOFFIT. REFER TO THE ARCHITECTURAL DRAWINGS FOR DETAIL.
- ③ FOR CONTINUATION REFER TO CIVIL DRAWINGS.
- ④ FIRE LINE UP TO FLOOR ABOVE.

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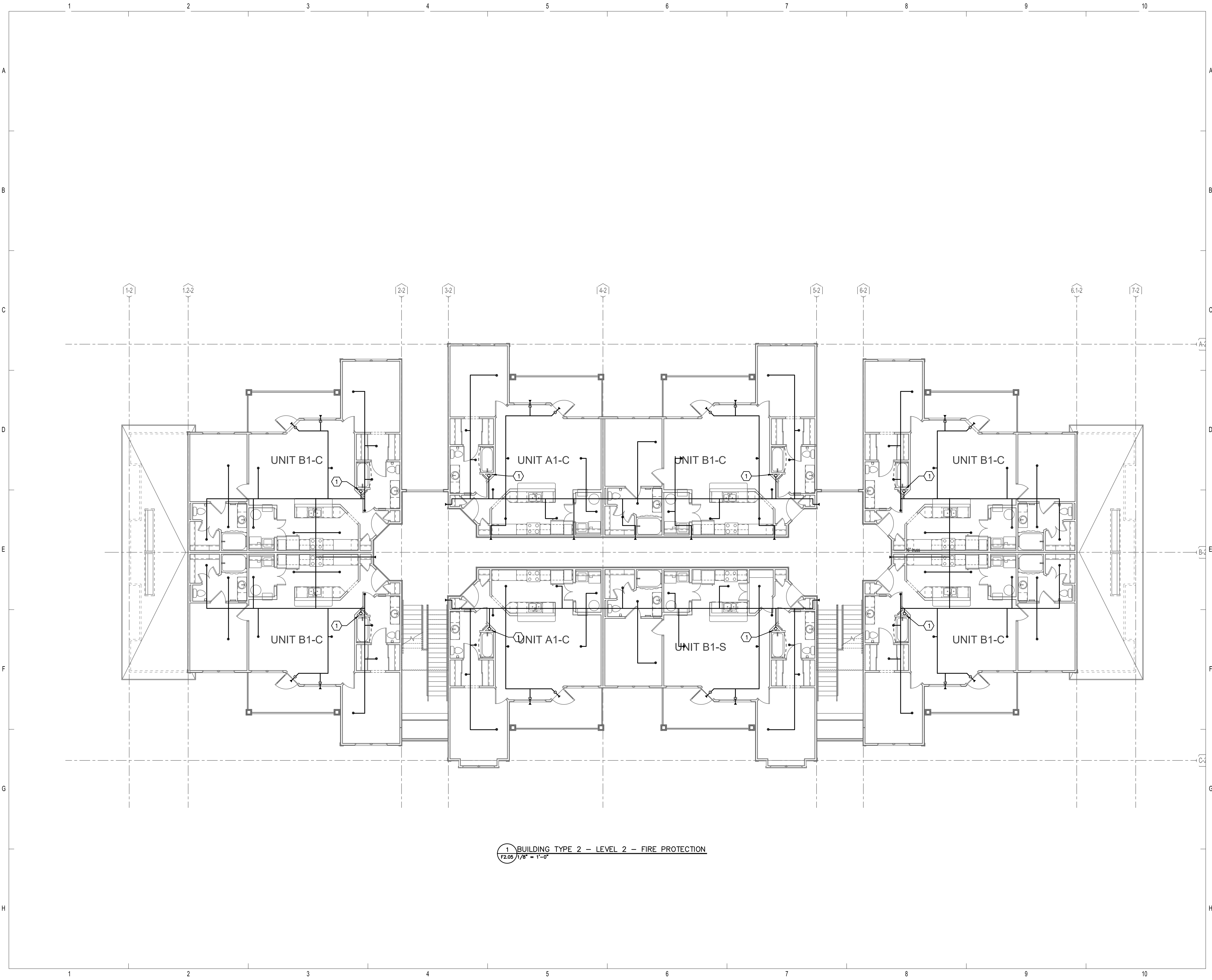
BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 2 - GROUND FLOOR LEVEL - FIRE PROT.

F2.04



1 BUILDING TYPE 2 - GROUND FLOOR LEVEL - FIRE PROTECTION
F2.04 1/8" = 1'-0"



REFERENCE NOTES:

- ① FIRE LINE UP TO FLOOR ABOVE.

ISSUE HISTORY		
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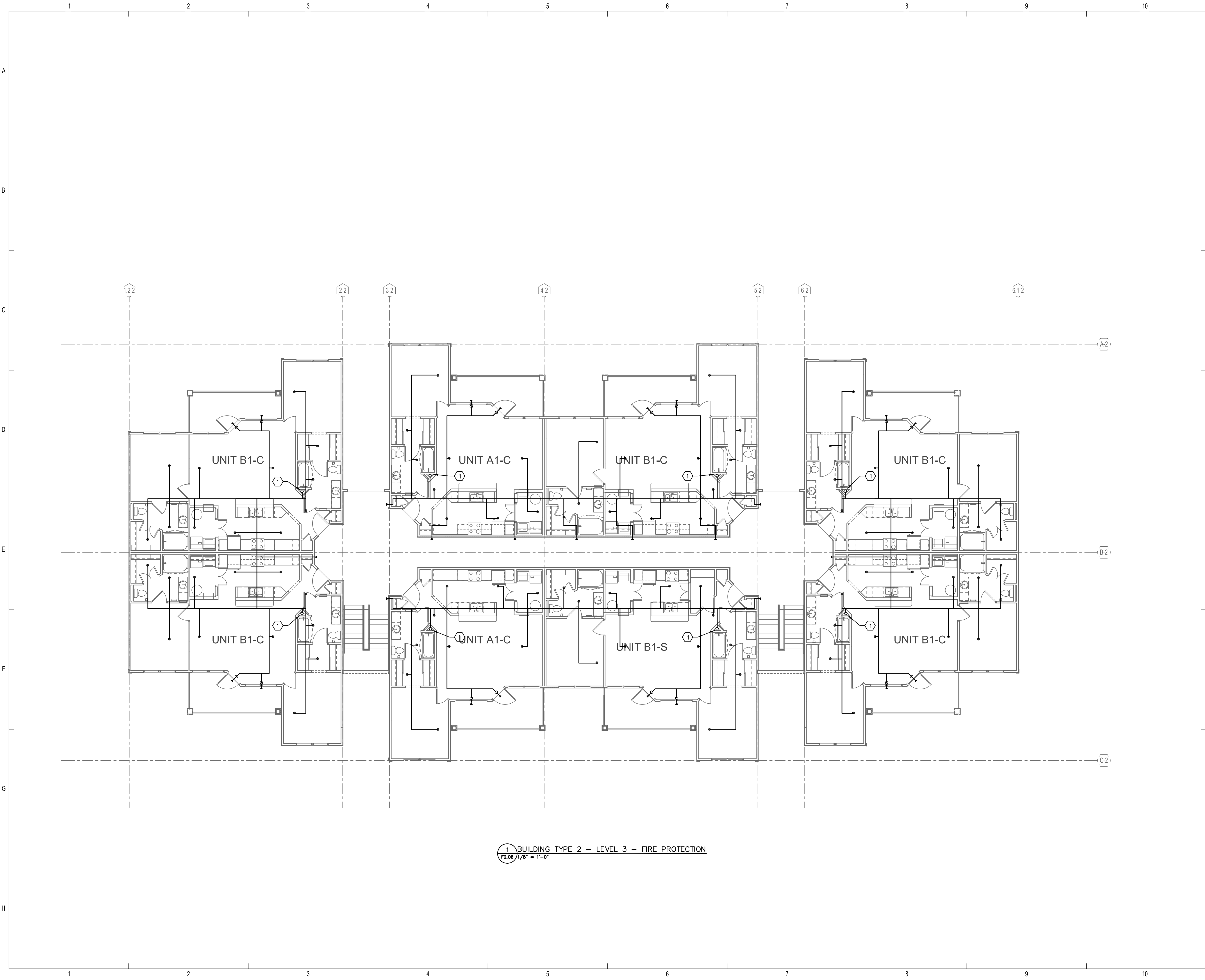
BUILDING TYPE 2 - LEVEL 2 - FIRE PROTECTION

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Approved: KJC
Date: 04/29/2013
Project #: 5166-400

F2.05



① BUILDING TYPE 2 - LEVEL 2 - FIRE PROTECTION
F2.05 1/8" = 1'-0"



1 BUILDING TYPE 2 - LEVEL 3 - FIRE PROTECTION
 F2.06 1/8" = 1'-0"

REFERENCE NOTES:

- 1 FIRE LINE UP FROM FLOOR BELOW.

ISSUE HISTORY

No.	Date	Description
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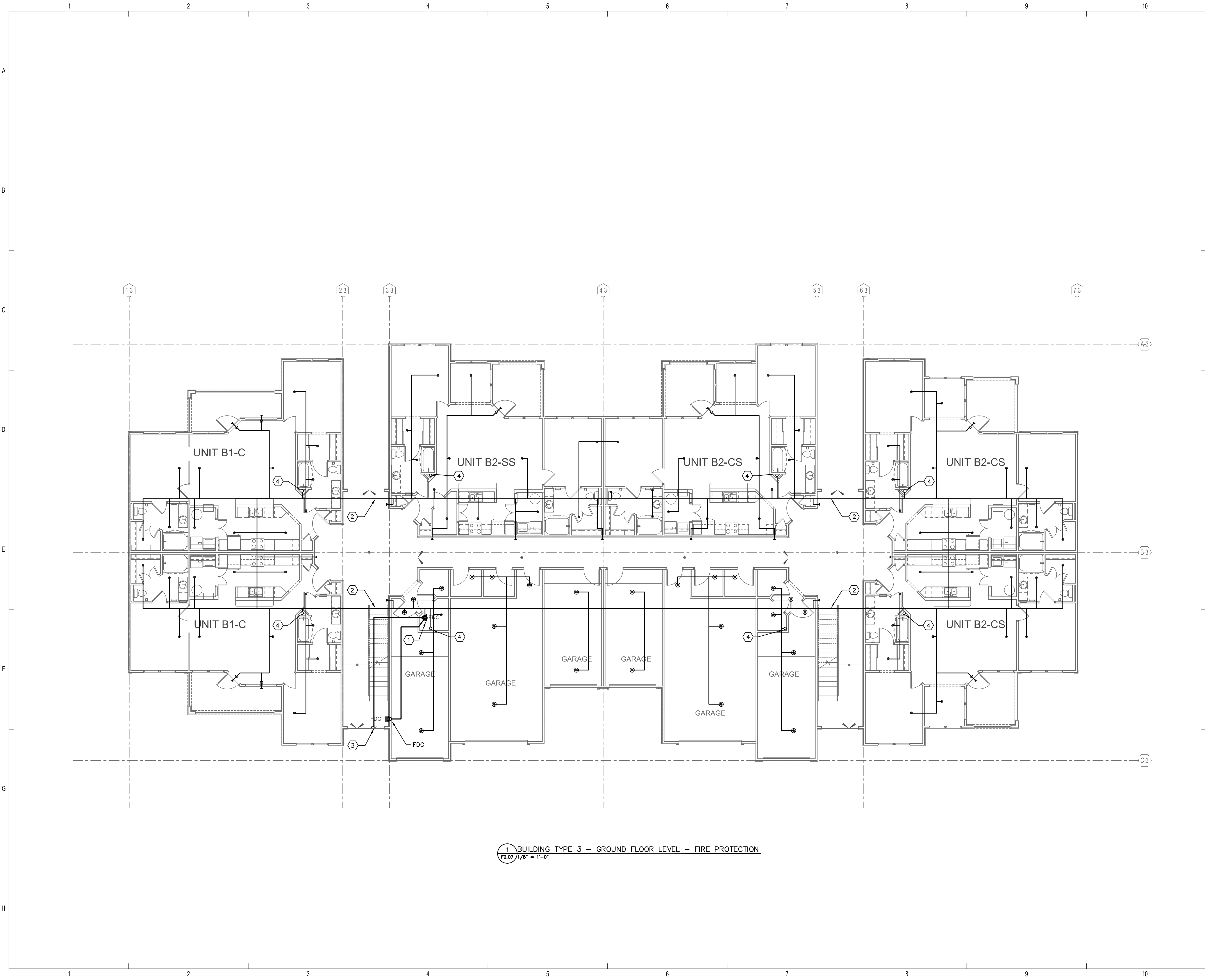
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BRIDGEWAY APARTMENTS
 CHATTANOOGA, TN

BUILDING TYPE 2 - LEVEL 3 - FIRE PROTECTION

F2.06





REFERENCE NOTES:

- ① 3" FIRE RISER. SEE DETAIL.
- ② INSTALL PIPE INSIDE SOFFIT. REFER TO THE ARCHITECTURAL DRAWINGS FOR DETAIL.
- ③ FOR CONTINUATION REFER TO CIVIL DRAWINGS.
- ④ FIRE LINE UP TO FLOOR ABOVE.

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT ISSUE

REVISION HISTORY

No.	Date	Description



2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595
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SWC 1991
Sims Wilkerson Cartier
Engineering, Inc.
12124 High Tech Avenue - Suite 200
Orlando, Florida 32817
(407) 380-2400 FAX: (407) 380-5900
13022
KYLE J. CARTIER, P.E. 111384

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400

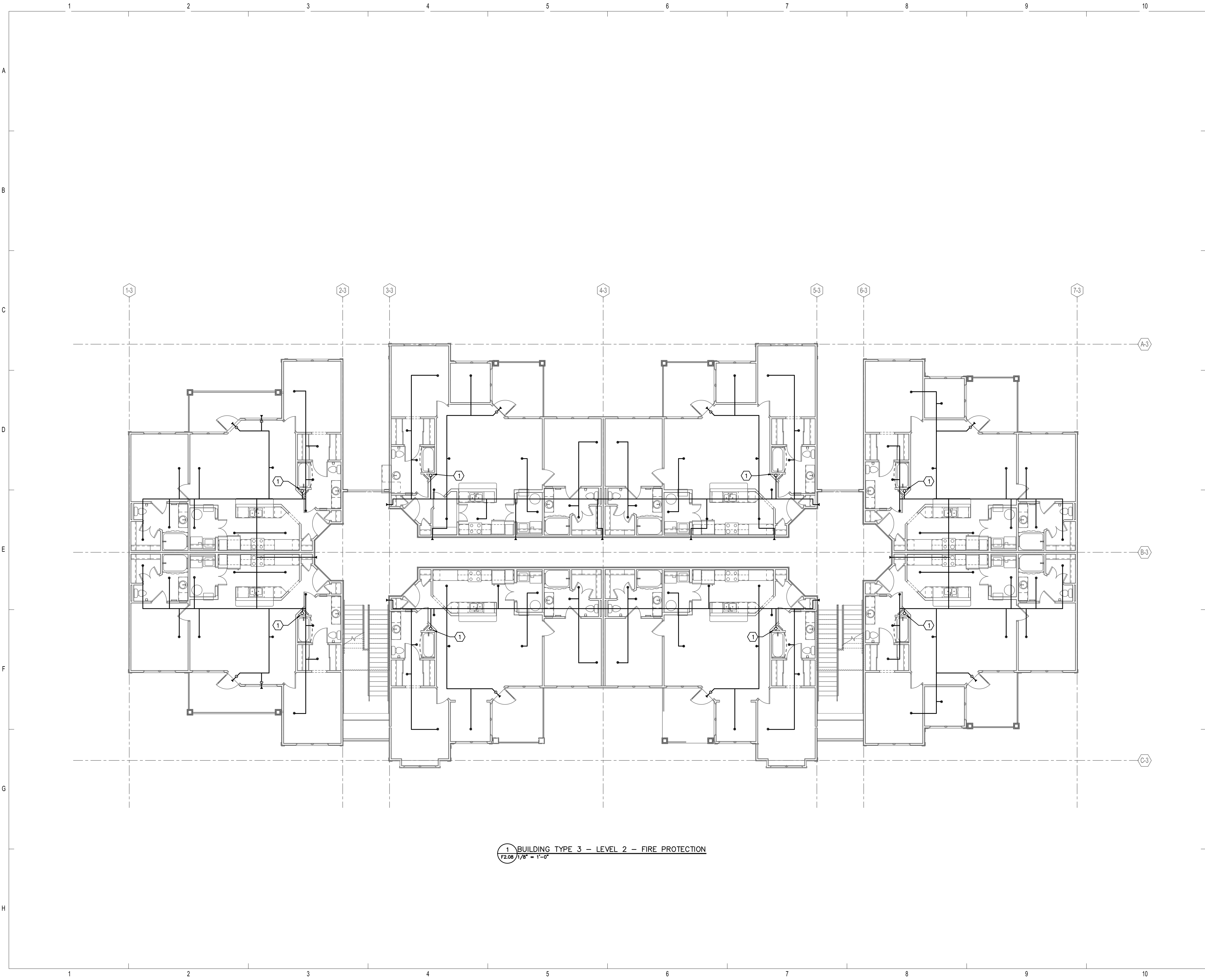
**BUILDING TYPE 3 -
GROUND FLOOR
LEVEL - FIRE PROT.**

F2.07



1 BUILDING TYPE 3 - GROUND FLOOR LEVEL - FIRE PROTECTION
F2.07 1/8" = 1'-0"

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REFERENCE NOTES:

- ① FIRE LINE UP TO FLOOR ABOVE.

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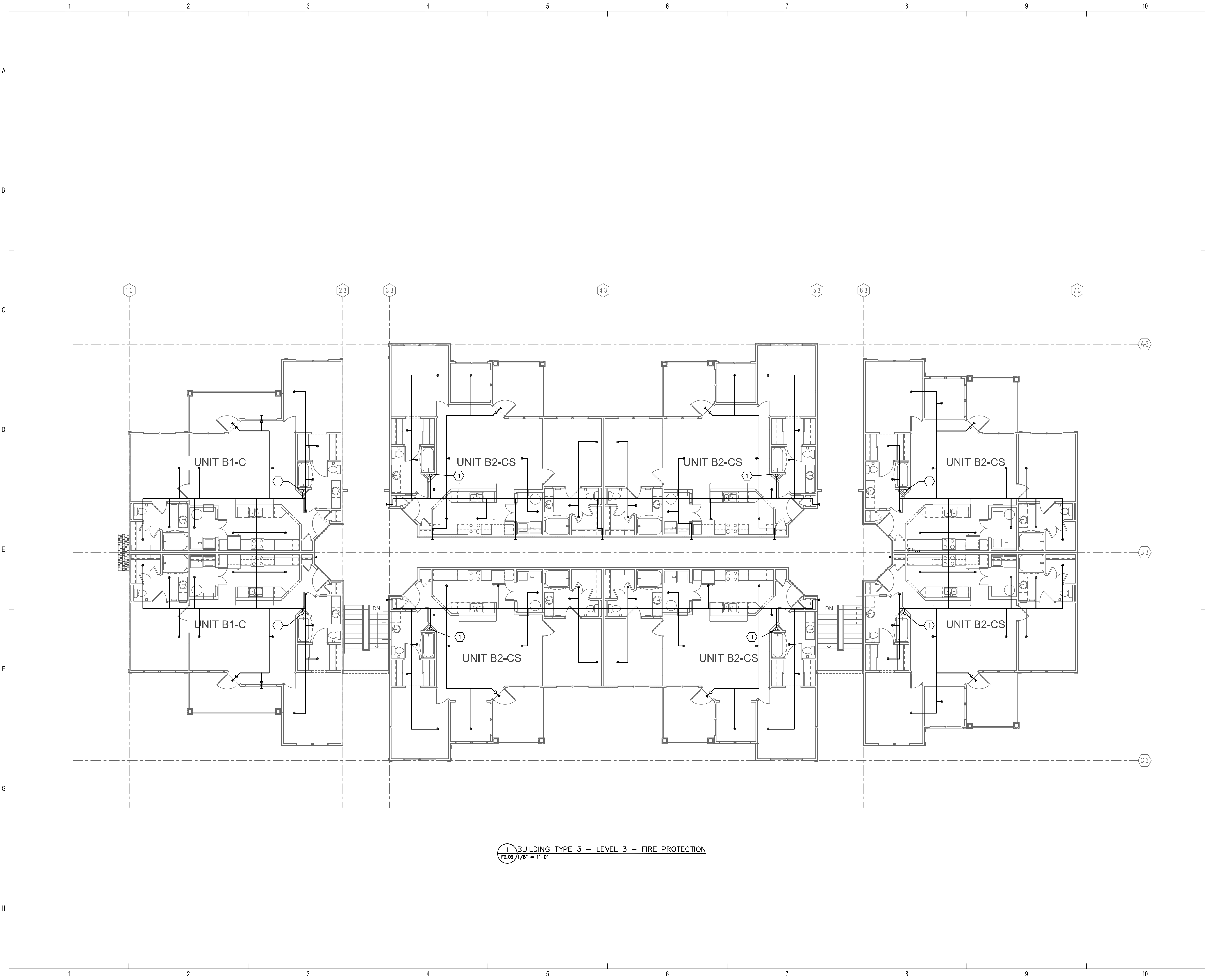
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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 3 - LEVEL 2 - FIRE PROTECTION

F2.08





REFERENCE NOTES:

- ① FIRE LINE UP FROM FLOOR BELOW.

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BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

BUILDING TYPE 3 - LEVEL 3 - FIRE PROTECTION

F2.09

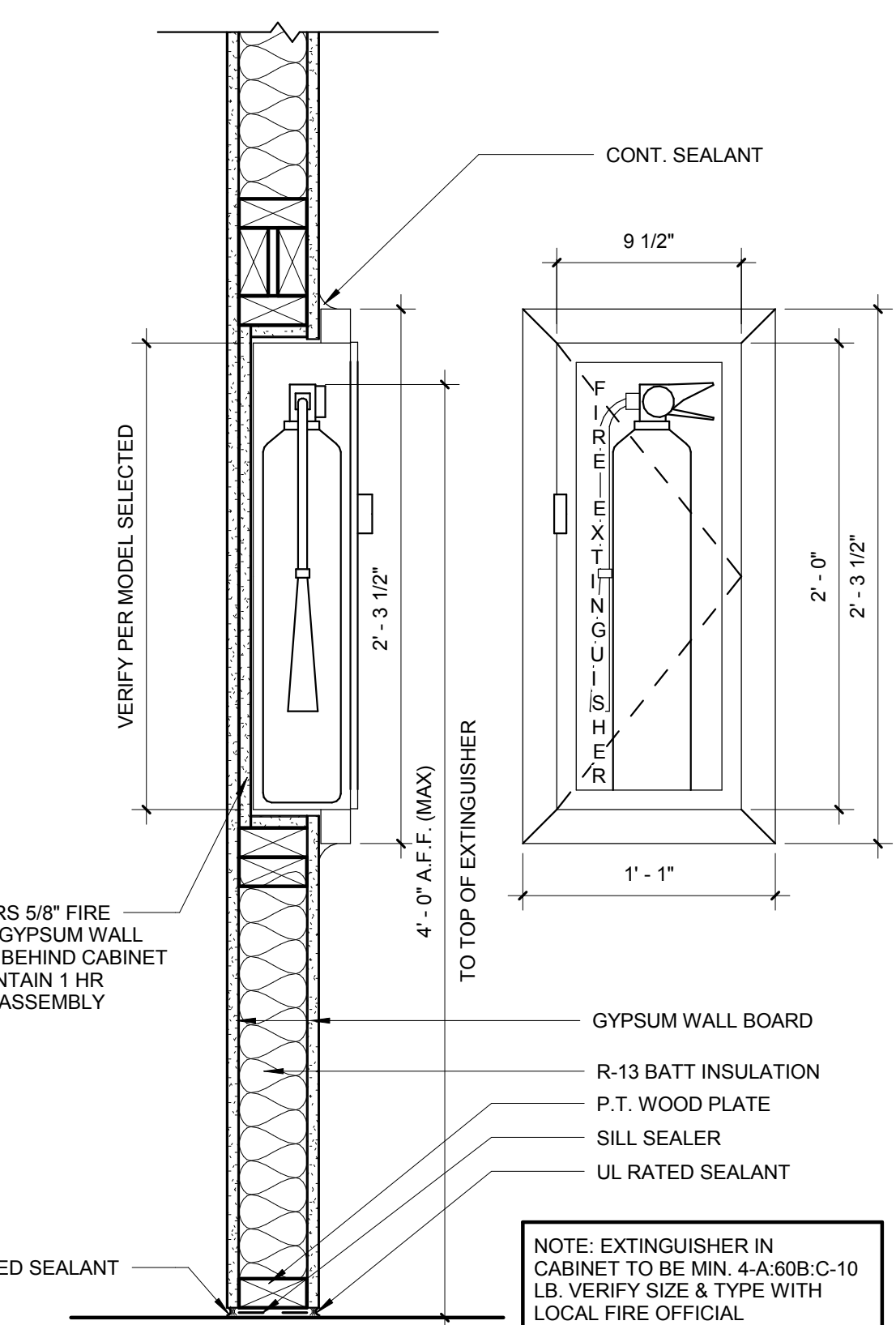


① BUILDING TYPE 3 - LEVEL 3 - FIRE PROTECTION
F2.09 1/8" = 1'-0"

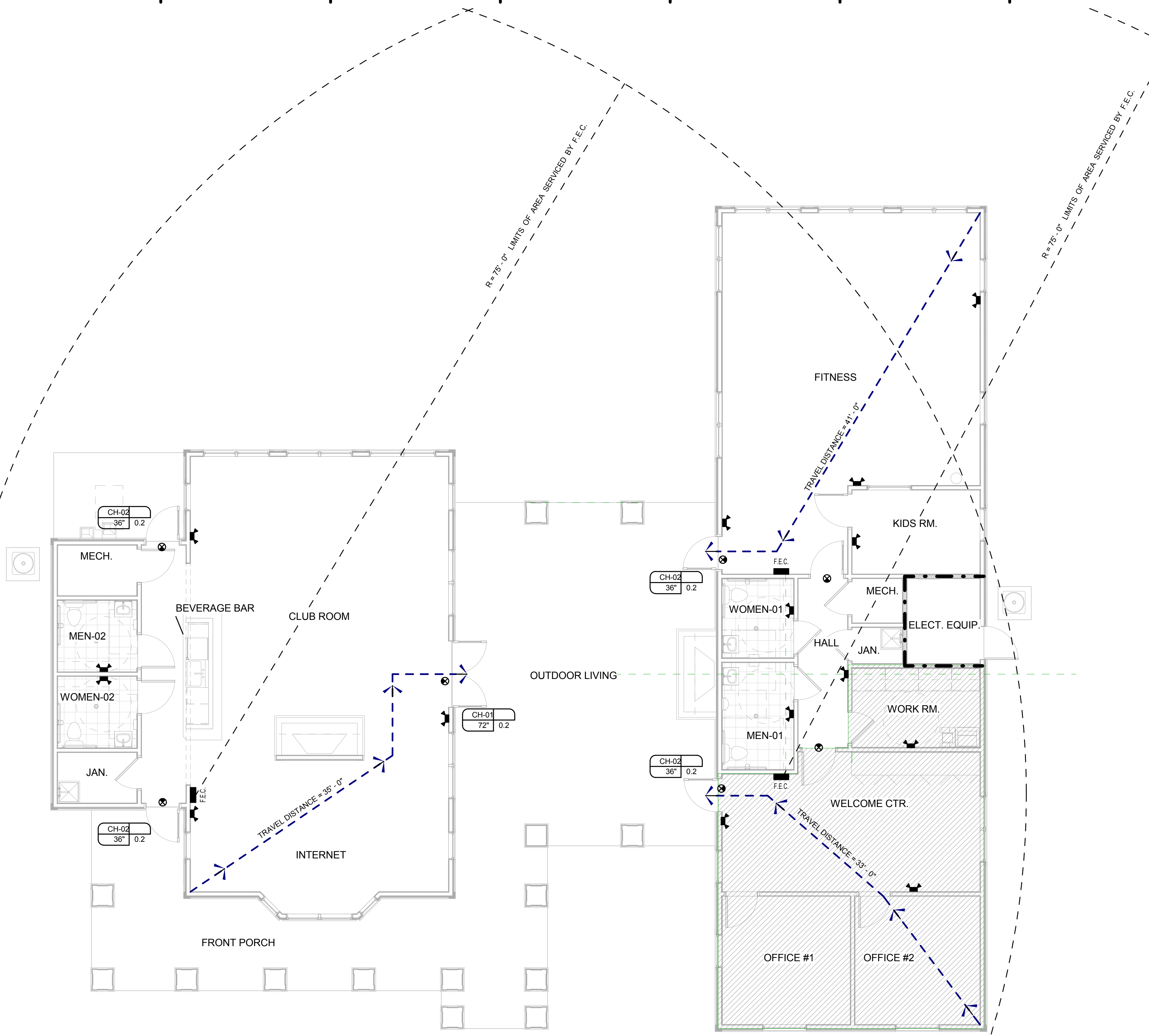
MEANS OF EGRESS - IBC 2012				
OCCUPANCY CLASSIFICATION	LOCATION	MAX. TRAVEL DISTANCE TO EXIT (ALLOWABLE)		MAX. TRAVEL DISTANCE (ACTUAL)
		UNSPRINK.	SPRINK.	
A-3, B, & S	CLUBHOUSE	100'	200'	41'-0"

NOTE: SEE SHEETS CH0.03 & CH2.10 FOR EXIT ACCESS TRAVEL DISTANCE LAYOUT

FIRE-RESISTANCE RATING REQUIREMENTS		
(PER TABLE 601 - IBC 2012) - CLUBHOUSE - TYPE V(B)		
	REQUIRED	PROVIDED
STRUCTURAL FRAME: INCLUDING COLUMNS, GIRDERS, TRUSSES, ETC.	0	0
BEARING WALLS:		
EXTERIOR	0	0
INTERIOR	0	0
NONBEARING WALLS AND PARTITIONS:		
EXTERIOR	TABLE 602	0
INTERIOR	0	0
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	0	0
ROOF CONSTRUCTION	0	0
SEPARATION DISTANCE - TABLE 602 20 < X < 30	0	0



H1 FIRE EXTINGUISHER CABINET (F.E.C.)
1 1/2" = 1'-0"



G4 CLUBHOUSE - LIFE SAFETY PLAN
3/16" = 1'-0"

LIFE SAFETY LEGEND:	
	EMERGENCY LIGHT
	TRAVEL DISTANCE TO EXIT
	FIRE EXTINGUISHER CABINET. VERIFY EXACT LOCATIONS AND TYPES WITH LOCAL FIRE OFFICIAL
	BRACKET MOUNTED FIRE EXTINGUISHER. VERIFY EXACT LOCATIONS AND TYPES WITH LOCAL FIRE OFFICIAL
	20 MIN DOOR
	45 MIN DOOR
	EXIT SIGN
	OCCUPANT COUNT
	DOOR DESIGNATION
	DOOR WIDTH
	REQUIRED WIDTH PER PERSON
	OCCUPANT LOAD SIGN
	MAX. No. OCCUPANTS
	EGRESS DOOR TAG
	REQUIRED 1 HOUR FIRE TENANT SEPARATION - UL U305
	OCCUPANT LOAD SIGN SYMBOL

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No.	Date	Description

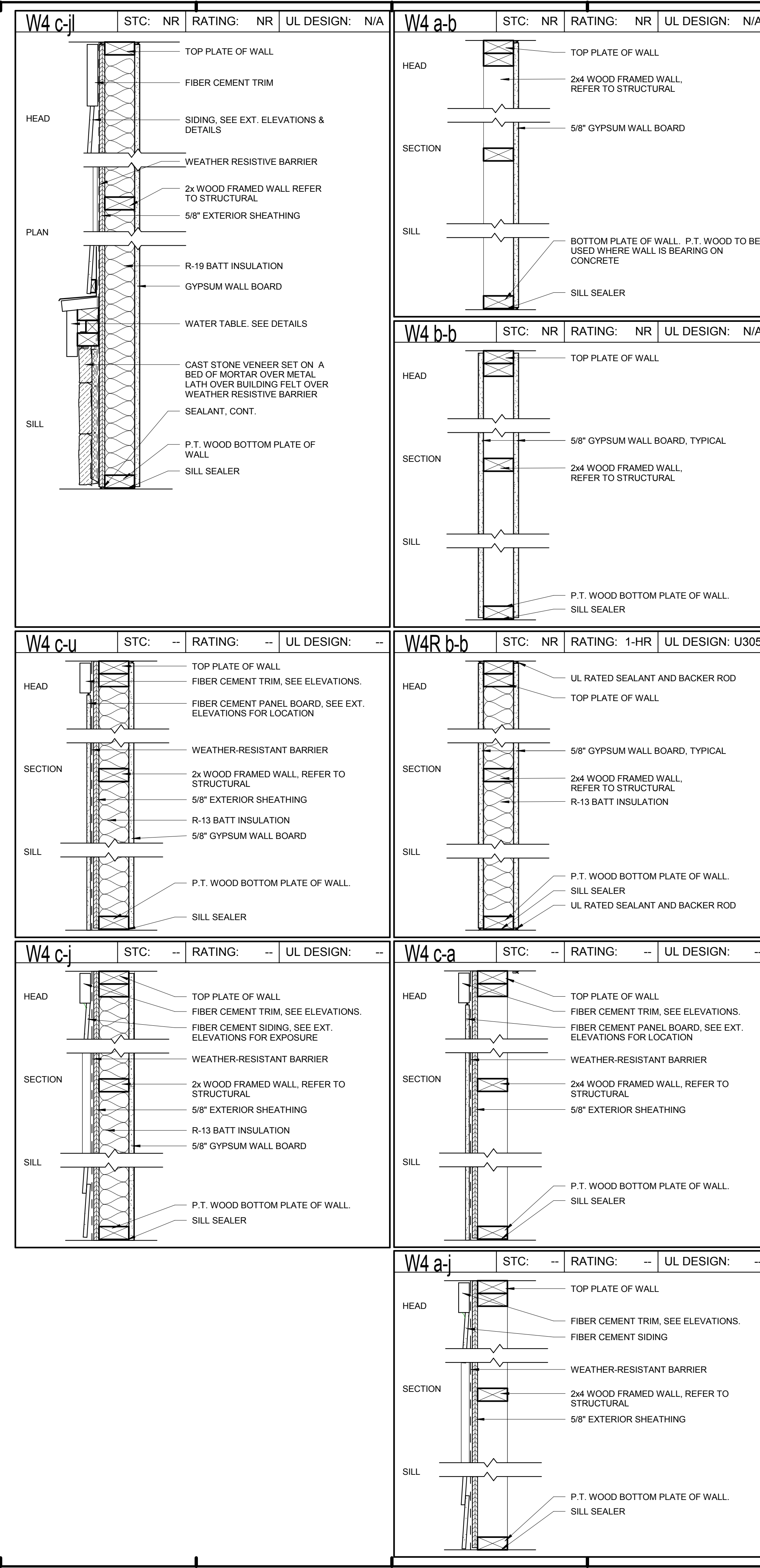
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BRIDGEWAY APARTMENTS CLUBHOUSE CHATTANOOGA, TN.	Drawn: FZ
	Checked: PF
	Approval: PF
	Date: 05/01/2013
	Project #: 5166.400

CLUBHOUSE LIFE SAFETY PLANS	CH0.03
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PATRICK D. FRICH
 LICENSE # 103195

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LEGEND:

WOOD STUD
 W8 = 2 X 8 WOOD STUDS (1-1/2" X 7-1/4")
 W6 = 2 X 6 WOOD STUDS (1-1/2" X 5-1/2")
 W4 = 2 X 4 WOOD STUDS (1-1/2" X 3-1/2")

OTHER
 R = INDICATES RATED ASSEMBLY
 S = FASTEN G.W.B. ON THE WIDE DIMENSION OF THE WOOD STUD

MODIFIERS
 a. UNFINISHED
 b. (1) LAYER SHEATHING
 c. (1) LAYER SHEATHING & INSULATION
 d. (2) LAYERS SHEATHING
 e. (2) LAYERS SHEATHING & INSULATION
 f. (1) LAYER SHEATHING WITH FURRING
 g. (1) LAYER SHEATHING WITH FURRING & INSULATION
 h. VINYL SIDING, BUILDING PAPER, WEATHER RESISTANT BARRIER, SHEATHING
 i. STUCCO, LATH, BUILDING PAPER, WEATHER RESISTANT BARRIER, SHEATHING
 j. FIBER CEMENT SIDING, WEATHER RESISTANT BARRIER, SHEATHING
 k. STONE VENEER
 l. STONE VENEER, LATH, BUILDING PAPER, WEATHER RESISTANT BARRIER, SHEATHING
 m. (1) LAYER M.R. / CEMENTITIOUS SHEATHING
 n. (1) LAYER M.R. / CEMENTITIOUS SHEATHING & INSULATION
 o. (2) LAYERS M.R. / CEMENTITIOUS SHEATHING
 p. (2) LAYERS M.R. / CEMENTITIOUS SHEATHING & INSULATION
 q. (1) LAYER M.R. / CEMENTITIOUS SHEATHING WITH FURRING
 r. (1) LAYER M.R. / CEMENTITIOUS SHEATHING WITH FURRING & INSULATION
 s. SKIM COAT FINISH
 t. BRICK VENEER, AIRSPACE, BUILDING PAPER, BUILDING WRAP, SHEATHING
 u. FIBER CEMENT PANEL OVER WEATHER RESISTANT BARRIER OVER EXTERIOR SHEATHING

NOTES:

* WALL TYPE DESIGNED TO MEET MIN. STC RATING OF 50 - CONTRACTOR MAY ELECT TO ALTER ASSEMBLY PROVIDED NEW ASSEMBLY STILL MEETS MIN. UL LISTED CRITERIA AND PASSED A MIN. FIELD TESTED STC 45 RATING.

NOTE #1
 5/8" CEMENTITIOUS BACKER UNIT WITH TILE @ BATH TUBS AND SHOWERS WHERE OCCURS

NOTE #2
 CONT. 1 LB/SF MASS VINYL "ACOUSTIBLOK" INSTALL IN STRICT COMPLIANCE W/ MFR. DIRECTIONS @ BREEZEWAYS

ISSUE HISTORY

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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
 www.fuglebergkoch.com AA26002103

BRIDGEWAY APARTMENTS CLUBHOUSE
 CHATTANOOGA, TN.

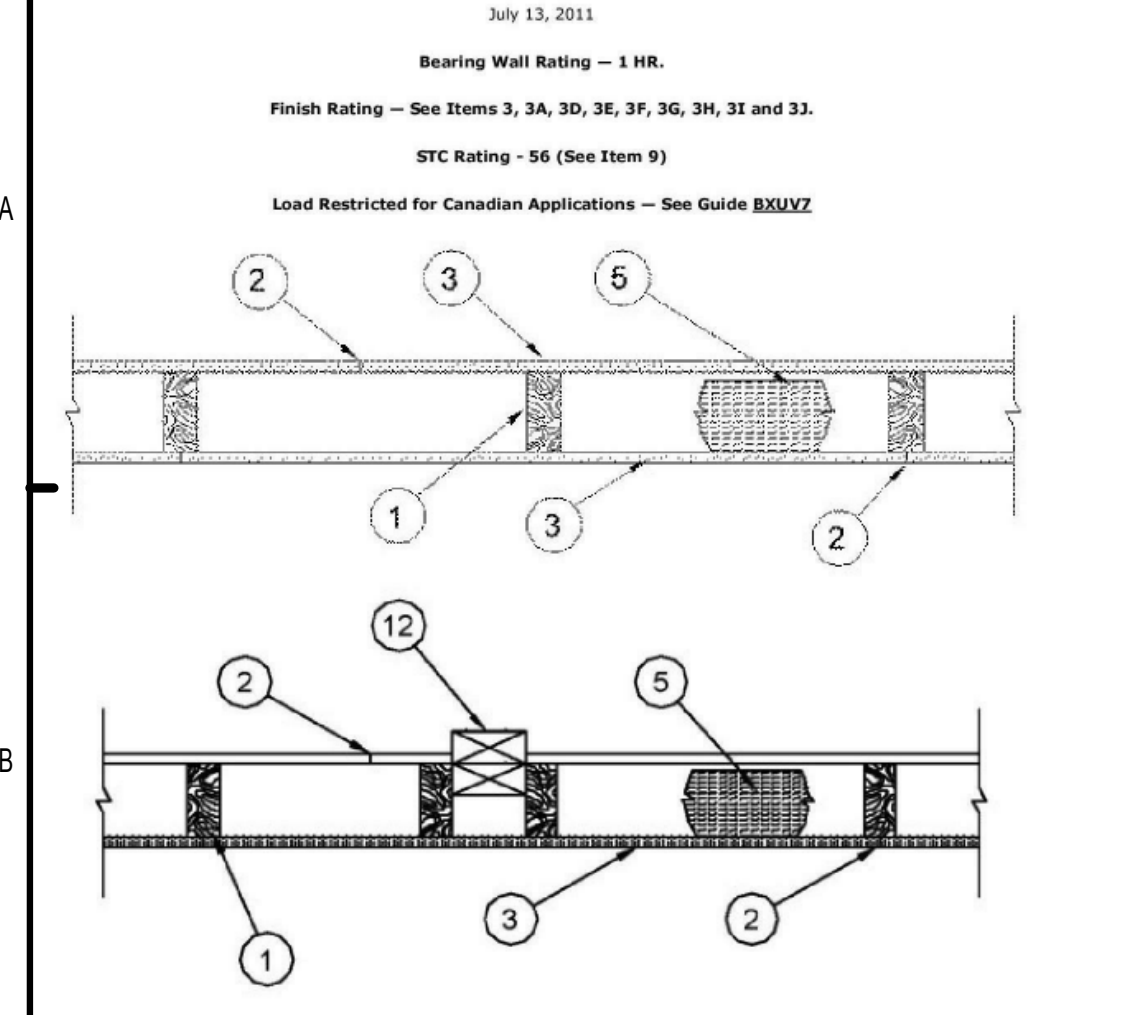
PARTITION TYPES CH0.07

Drawn: FZ
 Checked: PF
 Approval: PF
 Date: 05/01/2013
 Project #: 5166.400

PATRICK D. FRICH
 LICENSE # 103195

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1. Wood Studs - Nom 2 by 4 in. spaced 16 in. OC max, effectively firestopped.
2. Joists and Nail-Heads - Joists covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used.
3. Gypsum Board* - 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically.
4. Steel Framing Members* - Is used, gypsum panels attached to furring channels with 1 in. long Type 5 bugle-head steel screws spaced 12 in. OC.

AMERICAN GYPSUM CO - Type AG-1 (finish rating 23 min.), H-Glass (finish rating 23 min.), Type AGX-11 (finish rating 20 min.) Type CAC
BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO - Type DBX-1 (finish rating 24 min.)
CERTAINTED GYPSUM INC - Type 1, Type SF3 (finish rating 20 min) or FRFC, ProRock Type C or ProRock Type X (finish rating 26 min.), Type EGGR or GlasRock (finish rating 23 min.)
CERTAINTED GYPSUM CANADA INC - ProRock Type C, ProRock Type X or ProRock Type Abuse-Resistant (finish rating 26 min.)
CFC INC - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type PC-AR (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type PC-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SSK (finish rating 24 min), Type WRX (finish rating 24 min).

GEORGIA-PACIFIC GYPSUM L.L.C. - Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type GGG (finish rating 26 min), Type GGF (finish rating 26 min), Type GPF (finish rating 26 min), Type GPF5 (finish rating 26 min), Type DS, Type DAF, Type DD (finish rating 20 min), DA, DAC.
LAFARGE NORTH AMERICA INC - Type LGFC (finish rating 20 min), Type LGFC3 (finish rating 20 min), Type LGFC (finish rating 26 min), Type LGFC-C (finish rating 20 min), Type LGFC6A (finish rating 24 min), Type LGFC7A (finish rating 24 min), Type LGFC8A (finish rating 24 min).
NATIONAL GYPSUM CO - Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 20 min), Type FSW-6 (finish rating 20 min), Type FSK-C, Type FSW-6 (finish rating 20 min).
NATIONAL GYPSUM CO - Riyadh, Saudi Arabia - Type FR, or WR.
PARCO BUILDING PRODUCTS L.L.C. DBA
PARCO GYPSUM - Types C, PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), Types PG-3B, PG-5 (finish rating 20 min), Type PG-4 (finish rating 20 min), Type PG-4 (finish rating 22 min), Type PG-5 (finish rating 26 min), PG-11 or Type PG-C.
PANEL BRY SA - Type PRX; Types RHX, HDX, EX (finish rating 22 min)
SIAM GYPSUM INDUSTRY (SARABURI) CO LTD - Type DX-1 (finish rating 26 min)
TEMPLE-INLAND - Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soft - Type X

UNITED STATES GYPSUM CO - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FCV (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type PC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SSK (finish rating 24 min), Type SCX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRX (finish rating 24 min).
USG MEXICO S A DE C V - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRX (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SSK (finish rating 24 min), Type WRX (finish rating 24 min), Type WRX (finish rating 24 min).
AMERICAN GYPSUM CO - Types AG-1 (finish rating 23 min.), H-Glass (finish rating 23 min.), Type AG-11 (finish rating 23 min.).
COC INC - Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type PC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SSK (finish rating 24 min), Type WRX (finish rating 24 min).

UNITED STATES GYPSUM CO - Type AR, IP-AR.
USG MEXICO S A DE C V - Types AR, IP-AR.
C. Gypsum Board* - (As an alternate to Item 3) - 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in width of other than 48 in., gypsum boards are to be installed horizontally.
AMERICAN GYPSUM CO - Types AG-1 (finish rating 23 min.), H-Glass (finish rating 23 min.), Type AG-11 (finish rating 23 min.).
COC INC - Type AR, IP-AR.
UNITED STATES GYPSUM CO - Types AR, IP-AR.
USG MEXICO S A DE C V - Types AR, IP-AR.
C. Gypsum Board* - (As an alternate to Items 3, 3A and 3B) - 5/8 in. thick, 2 1/2 wide, tongue and groove edge, applied horizontally to one side of the assembly. Installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-3/8 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A. Joint covering (Item 3) not required.
COC INC - Type SSK.
UNITED STATES GYPSUM CO - Type SSK.

3D. Wall and Partition Facings and Accessories* - (As an alternate to Items 3, 3A, 3B and 3C, not shown) - Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing walls on one side of the assembly with 1-5/8 in. long Type S screws spaced 12 in. OC at perimeter of panels and 8 in. OC in the field. Horizontal joints of vertically applied panels need not be staggered. Panels attached to studs and bearing walls with paper tape and joint compound. Screwheads covered with two layers of joint compound. Batts and Blankets placed in stud cavity as described in Item 5C. Not evaluated for use with Steel Framing Members, Furring Channels or Fiber, Sprayed.
SERIOUS ENERGY INC - Type QuietRock QR-530 (finish rating 23 min.).
3E. Gypsum Board* - (As an alternate to Items 3, 3A, 3B, 3C, or 3D - not shown) For Direct Application to Stud Only- Nom 5/8 in. thick, lead backed gypsum panels with beveled, square or tapered edges. Applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite side of stud. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.123 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-1/2 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs or bats to be used in lieu of or in addition to the lead batten strips or optional at other locations. Max 3/4 in. diam by max 0.123 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.123 in. thick lead bats placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-30511, Grade "C".
RAY-BAR ENGINEERING CORP - Type RB-LSIG (finish rating 24 min.).
3F. Gypsum Board* - (As an alternate to Items 3, 3A, 3B, 3C, 3D and 3E) - 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-3/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board or nailed 7 in. OC with 60 cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in width of other than 48 in., gypsum boards are to be installed horizontally.
TEMPLE-INLAND - GreenGlass Type X (finish rating 23 min.).
3G. Gypsum Board* - (As an alternate to Items 3, 3A, 3B, 3C, 3D, 3E and 3F) - 5/8 in. glass-mat faced with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board or nailed 7 in. OC with 60 cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Nails shall be placed 1 inch and 3 inch from horizontal joints and 7 inch OC thereafter.
UNITED STATES GYPSUM CO - Type USG6X 2mm(finish rating 22 min.).

3H. Gypsum Board* - (As an alternate to Items 3 through 3G) - 5/8 in. thick paper surfaced applied vertically. Gypsum panels nailed 7 in. OC with 60 cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
TEMPLE-INLAND - Type X ComfortGuard Sound Densening Gypsum Board (finish rating 27 min.).
3I. Gypsum Board* - (As an alternate to Item 3) - Not to be used with Items 6 or 7, 5/8 in. thick paper surfaced applied vertically only. Gypsum panels nailed 7 in. OC with 60 cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
NATIONAL GYPSUM CO - SoundBreak XP Type X Gypsum Board
3J. Wall and Partition Facings and Accessories* - (As an alternate to Items 3 through 3I, not shown) - Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed 7 in. OC with 60 cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panels joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound.
SERIOUS ENERGY INC - Type QuietRock ES (finish rating 20 min), Type QuietRock QR-527 (finish rating 24 min).
3K. Gypsum Board* - (As an alternate to Item 3) - Not to be used with Items 6 or 7, 5/8 in. thick paper surfaced applied vertically only. Gypsum panels nailed 7 in. OC with 60 cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
CERTAINTED GYPSUM INC - Type SilentX

3L. Gypsum Board* - (As an alternate to Item 3) - 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 8 in. OC, with the last screw 1 in. from edge of the board. When used in width of other than 48 in., gypsum panels are to be installed horizontally.
NATIONAL GYPSUM CO - Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSK-3 (finish rating 20 min), Type FSK-4 (finish rating 20 min), Type FSK-5 (finish rating 20 min), Type FSK-C, Type FSK (finish rating 20 min).
3M. Gypsum Board* - (As an alternate to Item 3) For Direct Application to Studs Only- Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite side of stud. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 1 in. wide, max 10 ft long with a max thickness of 0.0625 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-1/2 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 3/4 in. diam by max 0.0625 in. thick, compression fitted over the screw heads. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-30511, Grade "C".
MAYCO INDUSTRIES INC - "X-Ray Shielded Gypsum"

4. Steel Corner Fasteners - (When Specified) - For use at wall corners. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide flats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge not along the gypsum board, no greater than 2 in. from corner of gypsum board, max spacing 16 in. OC. Vertical, intersection between partition wall studs to be flush with the 2 by 4 in. stud. The wall partition wood studs are to be framed by a second 2 by 4 in. wood stud fastened with 3 in. long 10/16 nails spaced a max. 16 in. OC, vertically. Maximum non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.
5. Batts and Blankets* - (Optional - Required when Item 6A is used). Glass fiber or mineral wool insulation. Placed to completely or partially fill the stud cavities. When Item 6A is used, glass fiber or mineral wool insulation shall be placed to completely fill the stud cavities and shall be secured to the studs 24 in. OC, with staples, nails or screws.

CERTAINTED CORP
GUARDIAN FIBERGLASS INC
JOHN MANVILLE INTERNATIONAL INC
KNAUF INSULATION HTB
OWENS CORNING Fibre Inc, DIV OF OWENS CORNING - Corning Fiberglas Corp.
ROCK WOOL MANUFACTURING CO - Delta Board.
ROCKWOOL MALAYSIA SDN BHD - Acoustical Fibre Batts
ROXUL INC - Acoustical Fibre Batts
THERMABER INC - Type S4FB.
5A. Fiber, Sprayed* - (Not shown - Not for use with Item 6A) As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³. Alternate application method: The fiber is applied with U.S. Greenberg LLC Type 40100 not more than 25 feet and a smoke developed of 6.0 parts per foot to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density is 2.5 lb/ft³.
U.S. GREENBERG L.L.C. - Cocoon-2 Stabilized or Cocoon-FR (Fire Rated Material)
5B. Fiber, Sprayed* - (Not shown - Not for use with Item 6A) As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
MI-WOOL CO INC - Cellulose Insulation
5C. Batts and Blankets* - Required for use with resilient channels, Item 7, 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 4 in. face of the studs with staples placed 24 in. OC.
THERMABER INC - Type S4FB
5D. Glass Fiber Insulation - (As an alternate to Item 5C) - 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to fill the interior of the wall. Attached to the 4 in. face of the studs with staples placed in 24 in. OC. See Batts and Blankets (BNK or BZK) Categories for names of classified companies.
5E. Batts and Blankets* - (Required for use with Wall and Partition Facings and Accessories, Item 30) - Glass fiber insulation, nom 3-1/2 in. thick, min. density of 1.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See Batts and Blankets Category (BNK) for names of manufacturers.
5F. Fiber, Sprayed* - (Optional - Not shown - Not for use with Item 6, 6A or 6B). As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied granulated mineral fiber material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCA).
AMERROCK PRODUCTS L.P. - Rockwool
5G. Fiber, Sprayed* - (Optional, Not Shown - Not for use with Items 6A, 6B or 6B). As an alternate to Batts and Blankets (Item 5) and Item 5A - Brown Colored Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lb/ft³.

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, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 5. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #4 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.
b. Steel Framing Members* - Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC. RSC-1 clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
PAC INTERNATIONAL INC - Types RSC-1, RSC-V.

a. Furring Channels - Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 5. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #4 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.
b. Steel Framing Members* - Used to attach furring channels (Item 6a) to one side of studs only. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw, one through the hole at each end of the clip. Furring channels are friction fitted into clips.
KINETICS NOISE CONTROL INC - Type Itoamax.
6B. 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, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 5. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #4 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.
b. Steel Framing Members* - Used to attach furring channels (Item 6b) to studs. Clips spaced 48 in. OC. Genu clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
PLITEQ INC - Type Genu Clip
7. Furring Channel - Optional - Not shown - For use on one side of the wall - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC. Range portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Items SC or SD is required.
7A. Steel Framing Members* - Optional - Not shown - Used as an alternate method to attach resilient channels (Item 7) to one side of studs only. Clips attached at each intersection of the resilient channel and the wood studs (Item 1). Resilient channels are friction fitted into clips, and then clips are secured to the wood stud with max. 1-3/4 in. long diamond shaped point, double lead Phillips head steel screws through the center hole of the clip and the resilient channel flange.
KEENE BUILDING PRODUCTS CO - Type RC Assurance.

8. Caulking and Sealants - (not shown, optional) A bead of acoustical sealant applied around the partition perimeter for sound control.
9. STC Rating - The STC Rating of the wall assembly is 56 when it is constructed as described by Items 1 through 6, except:
A. Item 2, above - Nailheads shall be covered with joint compound.
B. Item 2, above - Joints As described, shall be covered with fiber tape and joint compound.
C. Item 5, above - Batts and Blankets* The cavities formed by the studs shall be friction fit with R-19 unfaced Fiberglas Insulation batts measuring 6-1/4 in. thick and 15-1/4 in. wide.
D. Item 6, above - Steel Framing Members* Type RSC-1 clips shall be used to attach gypsum board to studs on either side of the wall assembly.
E. Item 6, above - Caulking and Sealants (not shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound control.
F. Steel Corner Fasteners (Item 4), Fiber, Sprayed (Items 5A and 5B) and Steel Framing Members (Item 6A), not used as alternatives for obtaining STC Rating.
10. Wall and Partition Facings and Accessories* - (Optional, Not shown) - Nominal 1/2 in. thick, 4 ft wide panels, optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is used between the furring channel and the UL Classified gypsum board, the required UL Classified gypsum board (left)/R to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required levels of UL Classified Gypsum Board.
SERIOUS ENERGY INC - Type QuietRock QR-510.

11. Cementitious Backer Units* - (Optional, Not Shown - For Use On Face Of 1 Hr Systems With All Standard Items Required) - 1/2 in. thick, 5/8 in. x 3/4 in. or 1 in. thick, min. 32 in. wide - Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 5/16 in. for wood framing members spaced a max of 8 in. OC. When 4 ft wide boards are used, horizontal joints need not be staggered from framing.
NATIONAL GYPSUM CO - Type PermaBase
12. Non-Bearing Wall Partition Intersection - (Optional) - Two nominal 2 by 4 in. studs or nominal 2 by 4 in. studs nailed together with two 2 in. long 10/16 nails spaced a max. 16 in. OC, vertically. Intersection between partition wall studs to be flush with the 2 by 4 in. stud. The wall partition wood studs are to be framed by a second 2 by 4 in. wood stud fastened with 3 in. long 10/16 nails spaced a max. 16 in. OC, vertically. Maximum non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.
13. Mesh Netting - (Not shown) - Any thin, woven or non-woven fibrous netting material attached with staples to the outer face of the UL Classification Mark to facilitate the installation of the sprayed fiber from the opposite row.
*Bearing the UL Classification Mark
Last Updated on 2011-07-13

UL U305
1" = 1'-0"

Fire Rating of Wall Hr	Max Diam of Through Penetrant (in. (mm))	No. of Wrap Strip Layers	# Rating Hr	# Rating Hr
1	1-1/2 (38)	1	1	1
2	1-1/2 (38)	1	1	1-1/2
1	2 (51)	1	1	1
2	2 (51)	1	1	1-1/2
1	3 (76)	2	2	1
2	3 (76)	2	2	2
1	4 (102)	3	1	1
2	4 (102)	3	2	2

SPECIFIED TECHNOLOGIES INC - SpecSeal BLU Wrap Strip, SpecSeal BLU2 Wrap Strip or SpecSeal RED Wrap Strip

C. Steel Collar - Collar fabricated from coils of product 0.016 in. (0.4 mm) thick (30 MSG) galv steel sheet available from wrap strip manufacturer. Collar shall be 1-1/2 in. (38 mm) deep with 1 in. (25 mm) wide by 2 in. (51 mm) long anchor tabs for securement to the concrete floor or wall. Anchor tabs, 3/4 in. (19 mm) wide spacing diam by 1/4 in. (6 mm) wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the annular space around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strips and pipe with a 1 in. (25 mm) wide overlap along its perimeter joint and secured together by means of a min 1/2 in. (13 mm) wide by 0.028 in. (0.7 mm) thick stainless steel hose clasp installed at mid-depth of the steel collar. As an alternate to the steel hose clasp, the steel collar may be secured together by means of three No. 8 by 1/4 in. (6 mm) long steel sheet metal screws when more than one layer of wrap strip is used.

Wrap strip/collar assembly is slid along the through-penetration until abuts the surface of the wall. Collar secured to wall with 1 1/8 in. (32 mm) diam by 1-3/4 in. (44 mm) long steel molly bolts in conjunction with 1-1/4 in. (32 mm) diam by 1-1/2 in. (38 mm) long steel molly bolts used in dependent upon the nominal diam of the through-penetration. Two molly bolts, symmetrically located, are required for nom 1-1/2 in. (38 mm) and 2 in. (51 mm) diam through penetrants. Three molly bolts, symmetrically located, are required for nom 2-1/2 in. (64 mm) and 3 in. (76 mm) diam through penetrants. Four molly bolts, symmetrically located, are required for nom 3-1/2 in. (89 mm) and 4 in. (102 mm) diam through penetrants. Steel collars are installed on each side of wall.

D. Firestop Device* - (Optional, Not Shown) - As an alternate to Item 2B and 3C, galv steel collar lined with an insulating mineral material used to fill the outer diam of the through-penetration. Device shall be installed around through-penetration in accordance with accompanying installation instructions. Device incorporates anchor tabs for securement to each surface of wall assembly with means of 1 in. (25 mm) diam by 1-3/4 in. (44 mm) long steel molly bolts in conjunction with 1 1/4 in. (32 mm) diam by 1-1/2 in. (38 mm) diam steel leader washers.

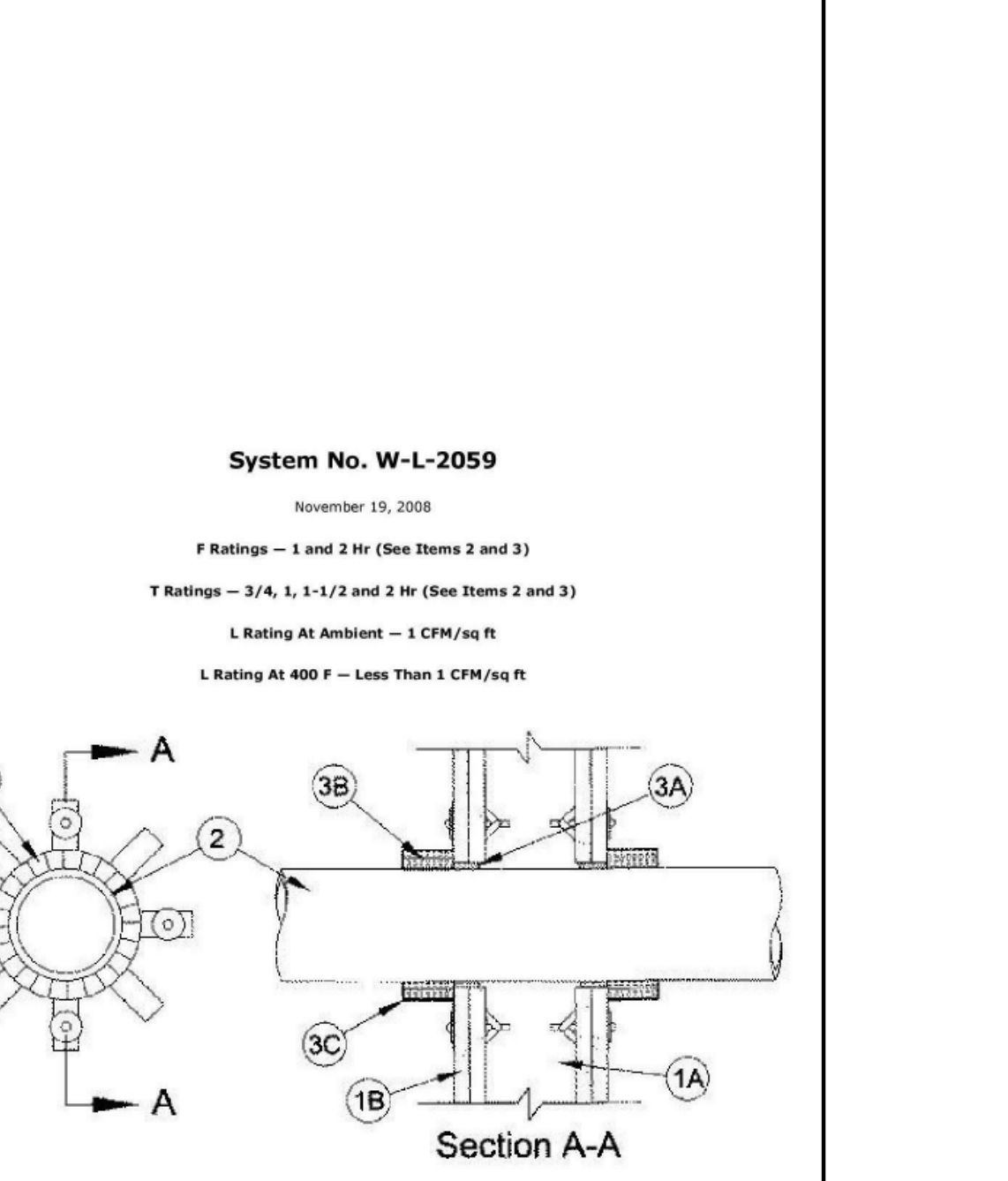
SPECIFIED TECHNOLOGIES INC - SpecSeal Firestop Collar, SpecSeal LCC Collar. When SpecSeal LCC Collar is used, the max annular space shall be 1/8 in. (3 mm) for max 2-1/2 in. (64 mm) diam pipe and shall be max 1/4 in. (6 mm) for pipe larger than 2-1/2 in. (64 mm) diam.

Fire Rating of Wall Hr	Max Diam of Through Penetrant (in. (mm))	No. of Wrap Strip Layers	# Rating Hr	# Rating Hr
1	1-1/2 (38)	1	1	1
2	1-1/2 (38)	1	1	1-1/2
1	2 (51)	1	1	1
2	2 (51)	1	1	1-1/2
1	3 (76)	2	2	1
2	3 (76)	2	2	2
1	4 (102)	3	1	1
2	4 (102)	3	2	2

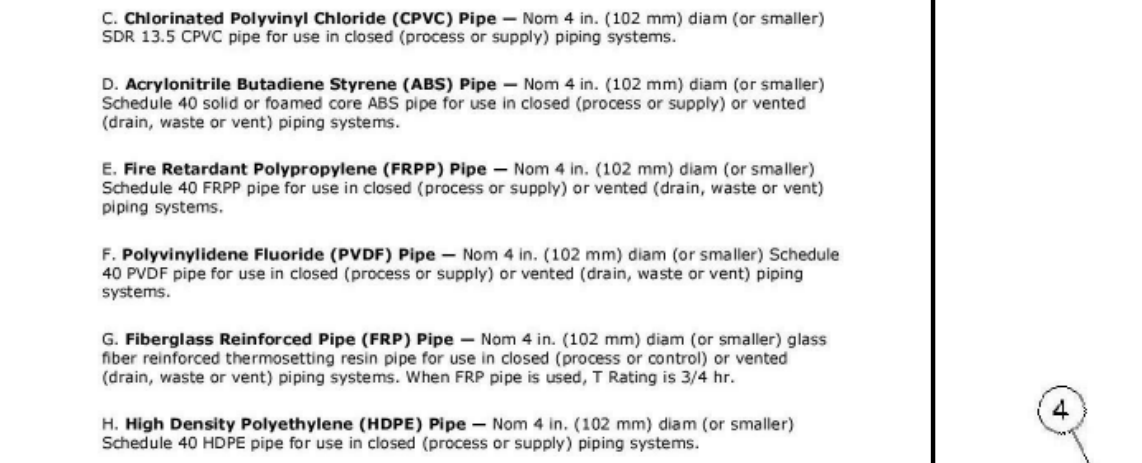
SPECIFIED TECHNOLOGIES INC - SpecSeal Firestop Collar, SpecSeal LCC Collar. When SpecSeal LCC Collar is used, the max annular space shall be 1/8 in. (3 mm) for max 2-1/2 in. (64 mm) diam pipe and shall be max 1/4 in. (6 mm) for pipe larger than 2-1/2 in. (64 mm) diam.

*Bearing the UL Classification Mark
Last Updated on 2009-11-19

UL W-L-2059
1" = 1'-0"

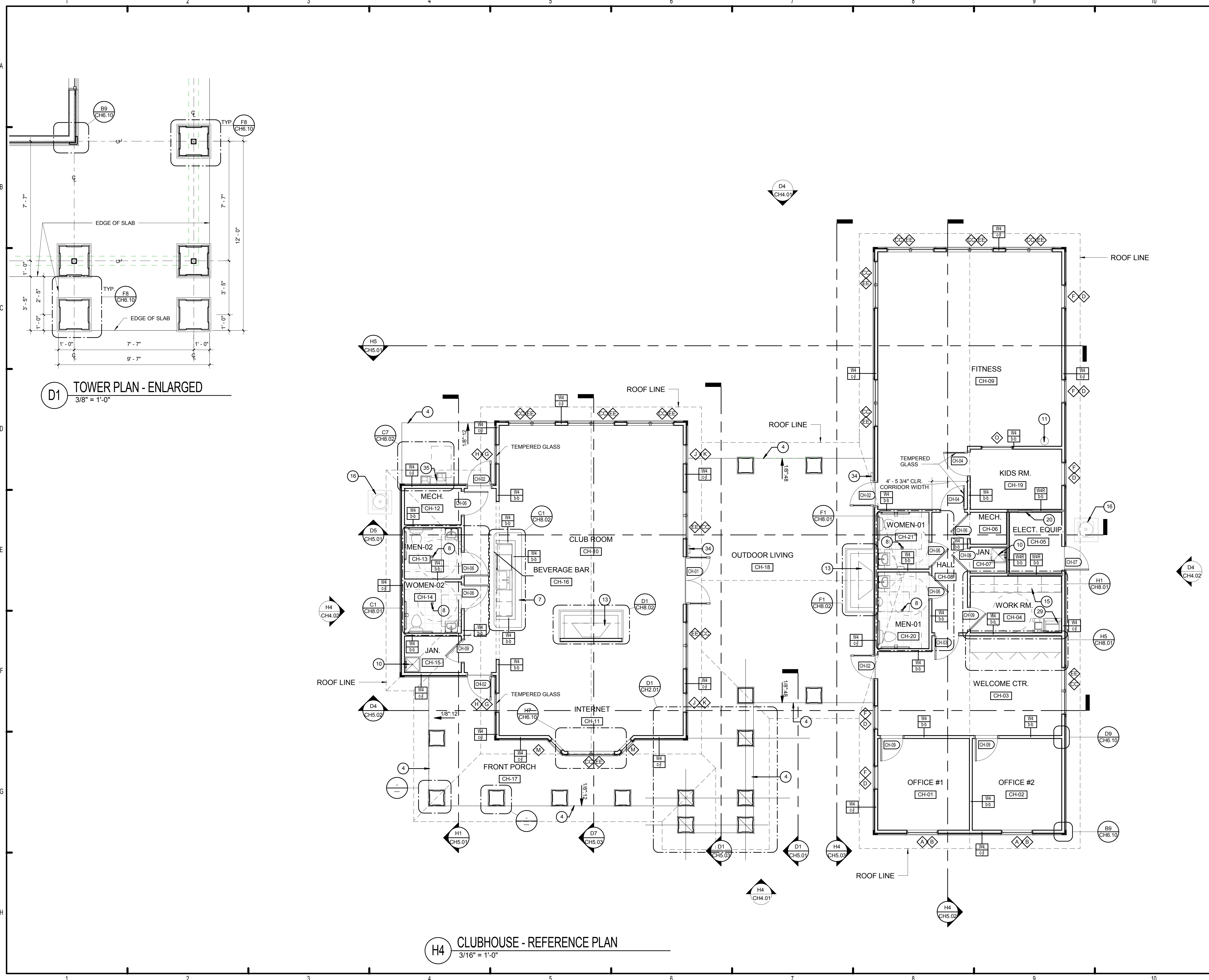


1. Wall Assembly - The 1 or 2 fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 and U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 mm) wide and spaced max 24 in. (610 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 (1219 mm) 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 U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 5 in. (127 mm).
C. Through-Penetrants - One non-metallic pipe or conduit to be centered within the freestop system. The annular space shall be min 1/4 in. (6 mm). Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of non-metallic pipes or conduits may be used:
1. Polyvinyl Chloride (PVC) Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 or 80 solid or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. When Schedule 80 PVC pipe is used, the F and T Ratings are 1 hr. When Schedule 80 PVC pipe is used in closed (process or supply) piping systems, the F and T Ratings are equal to the assembly rating of the wall in which it is installed.
2. Rigid Nonmetallic Tubing - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 or 80 PVC pipe for use in closed (process or supply) piping systems. When Schedule 80 PVC pipe is used, the F and T Ratings are 1 hr.
3. Acrylonitrile Butadiene Styrene (ABS) Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid or framed core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. When FRP pipe is used, T Rating is 3/4 hr.
4. Polyethylene Glycol (PEGL) Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 PEGL pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. When FRP pipe is used, T Rating is 3/4 hr.
5. High Density Polyethylene (HDPE) Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 HDPE pipe for use in closed (process or supply) piping systems.
6. Fiberglass Reinforced Pipe (FRP) Pipe - Nom 4 in. (102 mm) diam (or smaller) glass fiber reinforced thermosetting resin pipe for use in closed (process or control) or vented (drain, waste or vent) piping systems. When FRP pipe is used, T Rating is 3/4 hr.
7. High Density Polyethylene (HDPE) Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 HDPE pipe for use in closed (process or supply) piping systems.
3. Firestop System - The firestop system shall consist of the following:
A. Fill, Void or Cavity Material* - Sealant - Fill material forced into annular space to max extent possible. Caulk shall be installed flush with both surfaces of wall assembly.
SPECIFIED TECHNOLOGIES INC - SpecSeal 100, 102, 105, 120 or 129 Sealant, SpecSeal LCI Sealant, Pennel 300 Sealant or SpecSeal Series 81100 Sealant.
B. Fill, Void or Cavity Material* - Wrap Strip - Nom 1/8 or 3/16 in. (3.2 or 4.8 mm) thick intumescent material faced on both sides with a plastic film, supplied to 2 in. (51 mm) thick or nom 1/4 in. (6 mm) thick intumescent material faced on both sides with a plastic film, supplied to 1-1/2 in. (38 mm) wide strips. The layers of wrap strip are individually wrapped around the through-penetration with ends butted and held in place with masking tape. Butted ends in successive layers shall be aligned.
Except as noted in Item 2, the F and T Rating of the firestop system is dependent upon the fire rating of wall, diam of through penetrant and the number of wrap strips as tabulated below:



1. Wall Assembly - The 1 or 2 fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall and Partition Design 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, with nom 2 by 4 in. lumber and plates and cross bracs. Steel studs to be min 3-5/8 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 board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3-1/2 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.
2. Through Penetrant - A max of two pipes or tubing to be installed within the opening. Of the two pipes, or tubing, only one of the pipes shall have a nom diam greater than 1-1/2 in. The annular space between pipes and periphery of opening shall be min 1/2 in. (point contact) to max 1/2 in. Pipes or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
A. Steel Pipe - Nom 1 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
B. Iron Pipe - Nom 1 in. diam (or smaller) cast or ductile iron pipe.
C. Copper Tubing - Nom 1 in. diam (or smaller) Type (K) (or heavier) copper tubing.
D. Copper Pipe - Nom 1 in. diam (or smaller) Regular (or heavier) copper pipe.
3. Tube Insulation - Prastice - Nom 3/4 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of batts. The tube insulation may be installed in one of two orientations. The space between the cable and the periphery of the opening shall be min 1/2 in. (point contact) to max 1/2 in. Cable to be rigidly supported on both sides of wall assembly.
See Practices* (QHF22) category in the Recognized Component Directory for names for manufacturers. Any Recognized Component tube insulation meeting the above specifications and having a UL Flammability Classification of 94-5VA may be used.
4. Cable - One 4 pair No. 18 AWG (or smaller) thermostat cable with polyvinyl chloride (PVC) insulation and jacket materials. Cable to be spaced a max 0.8 in. (point contact) to max 1.2 in. The space between the cable and the periphery of the opening shall be a min 1/2 in. (point contact) to max 1/2 in. Cable to be rigidly supported on both sides of wall assembly.
5. Fill, Void or Cavity Material* - Sealant - Min 5/8 in. thickness of fill material applied within annular, flush with both surfaces of wall. Additional fill material to be forced into interstices within groups of penetrating items to max extent possible and installed such that a min 1/4 in. thick crown is formed around the penetrating items and leaving 1/4 in. beyond the periphery of opening.

Fire Rating of Wall Hr	Max Diam of Through Penetrant (in. (mm))	No. of Wrap Strip Layers	# Rating Hr	# Rating Hr
1	1-1/2 (38)	1	1	1
2	1-1/2 (38)	1	1	1-1/2
1	2 (51)	1	1	1
2	2 (51)	1	1	1-1/2
1	3 (76)	2	2	1
2	3 (76)	2	2	2
1	4 (102)	3	1	1
2</				



LEGEND: (XX)

1. DISHWASHER - BASIS OF DESIGN: GE MODEL PDW-1860NSS
2. REFRIGERATOR - BASIS OF DESIGN: SUMMIT SCR600LCS5
3. KITCHEN SINK (SINGLE COMPARTMENT - CLUBHOUSE)
4. SLOPE EXTERIOR SLABS 1/8" FT. TOWARD EXTERIOR
5. FIRE EXTINGUISHER IN SEMI-RECESSED CABINET: PROVIDE 2A-10B-C EXTINGUISHER.
6. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44" ABOVE THE FLOOR.
7. EXTENDED COUNTERTOP W/ SUPPORTS
8. FLOOR DRAIN (SLOPE FLOOR TO DRAIN)
9. WIRE SHELF & POLE @ 72" A.F.F.
10. MOP SINK
11. WATER COOLER
12. TV OUTLET - WOOD BLOCKING REQUIRED FOR HIGH TV BRACKET. COORDINATE W/ OWNER
13. GAS FIREPLACE - MODEL No.
14. EDGE OF SLOPE IN SLAB
15. WALL & BASE CABINET W/ COUNTERTOP
16. A/C CONDENSING UNIT ON A 3x3' CONC. PAD
17. 5 WIRE SHELF
18. COORDINATE W/ CIVIL FOR SIDEWALKS & UTILITIES
19. BASE CABINET W/ COUNTERTOP
20. ELECTRICAL PANEL
21. DATA / COMM
22. HOT WATER HEATER
23. WATER CLOSET
24. TOILET PAPER DISPENSER
25. WASH BASIN
26. FRAMED MIRROR - 18" x 30"
27. WORKING COUNTER
28. BASE BOARD, AS SCHEDULED
29. OFFICE EQUIPMENT
30. GRAB BARS W/ WALL REINFORCEMENT
31. URINAL
32. WALL MOUNTED PAPER TOWEL DISPENSER
33. 6x6 WALL TILE, 4'-0" A.F.F.
34. MAGNETIC SWIPE CARD READER
35. HIGH-LOW, ADA DRINKING FOUNTAIN

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW ISSUE

REVISION HISTORY

No.	Date	Description

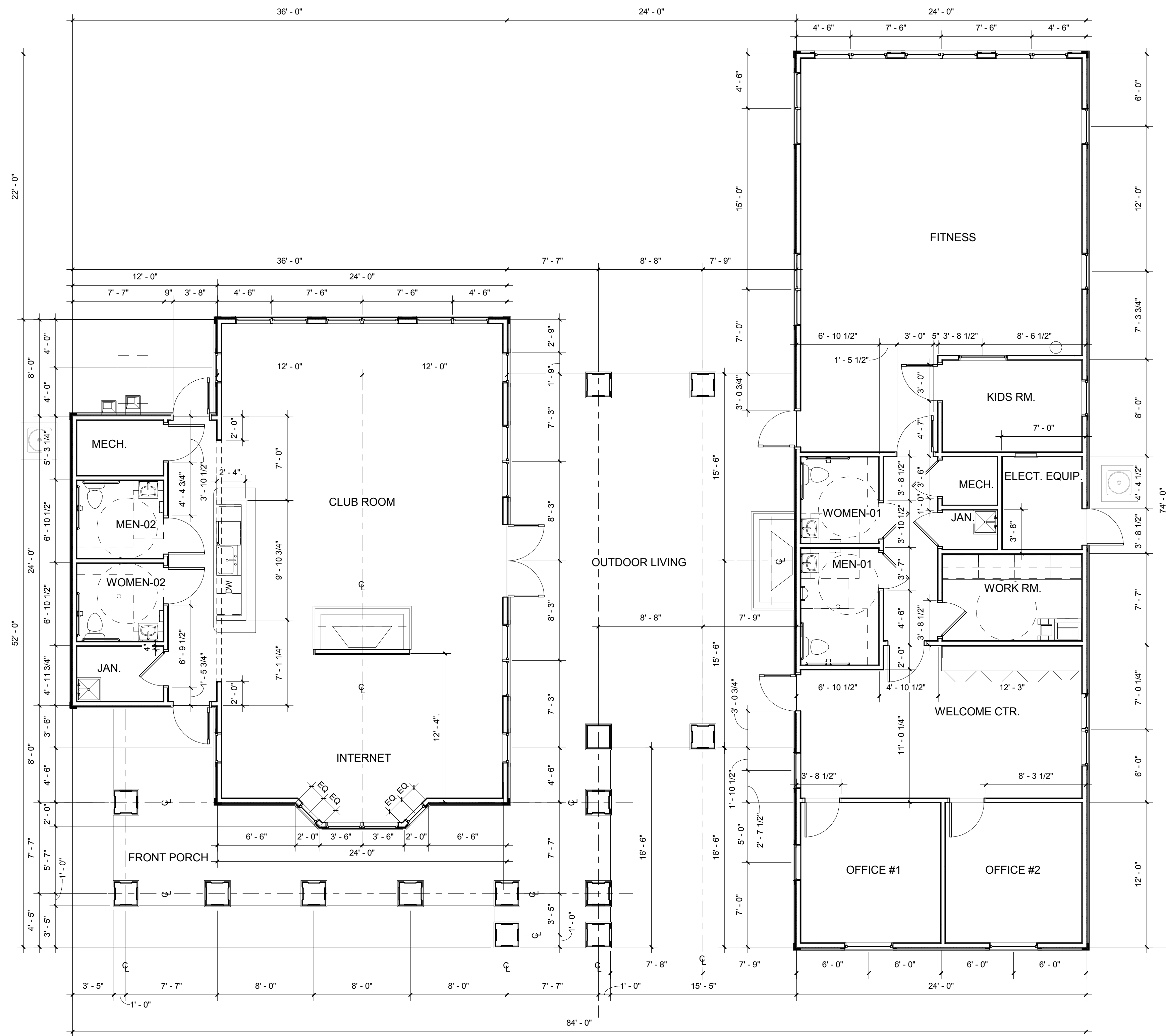

FUGLEBERG KOCH
 PLLC
 2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595
 www.fuglebergkoch.com AA26002103

BRIDGEWAY APARTMENTS CLUBHOUSE CHATTANOOGA, TN.	Drawn: FZ Checked: PF Approval: PF Date: 05/01/2013 Project #: 5166.400
CLUBHOUSE - REFERENCE PLAN	CH2.01

PATRICK D. FRICH
 LICENSE # 103195
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D1 TOWER PLAN - ENLARGED
3/8" = 1'-0"

H4 CLUBHOUSE - REFERENCE PLAN
3/16" = 1'-0"



H4 CLUBHOUSE - DIMENSION PLAN
 3/16" = 1'-0"

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT REVIEW ISSUE
REVISION HISTORY		
No.	Date	Description

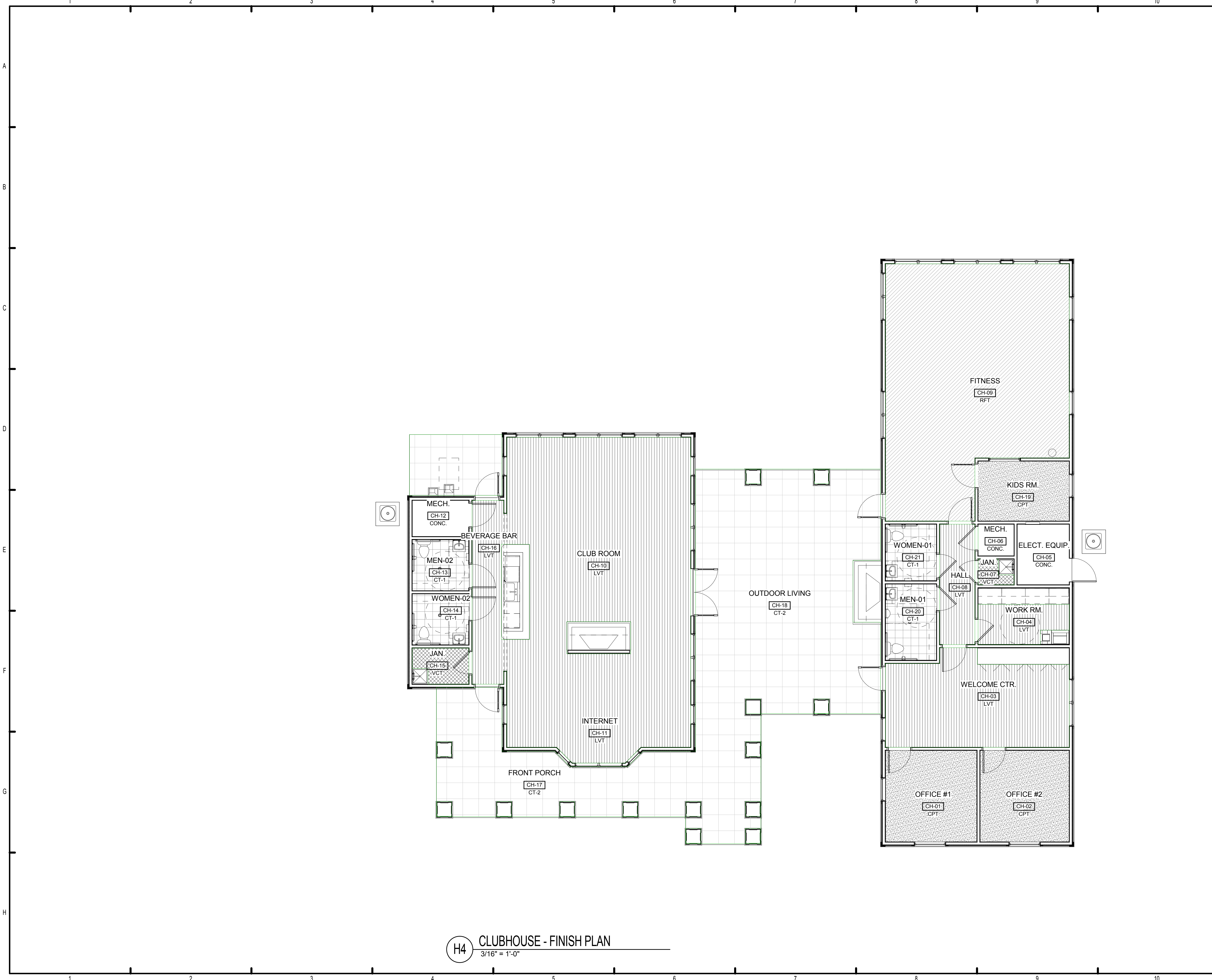


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BRIDGEWAY APARTMENTS CLUBHOUSE CHATTANOOGA, TN.	
CLUBHOUSE - DIMENSION PLAN	CH2.02

Drawn:	FZ
Checked:	PF
Approval:	PF
Date:	05/01/2013
Project #:	5166.400

PATRICK O. FRICH
 LICENSE # 103195



FLOOR FINISH LEGEND:

- CONC = SEALED CONCRETE
- RFT = RUBBERIZED FLOORING
- CPT = CARPET
- LVT = LUXURY VINYL TILE
- CT-1 = 12"x12" CERAMIC TILE
- CT-2 = 24"x24" CERAMIC TILE
- VCT = VINYL COMPOSITION TILE

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW ISSUE

REVISION HISTORY

No.	Date	Description



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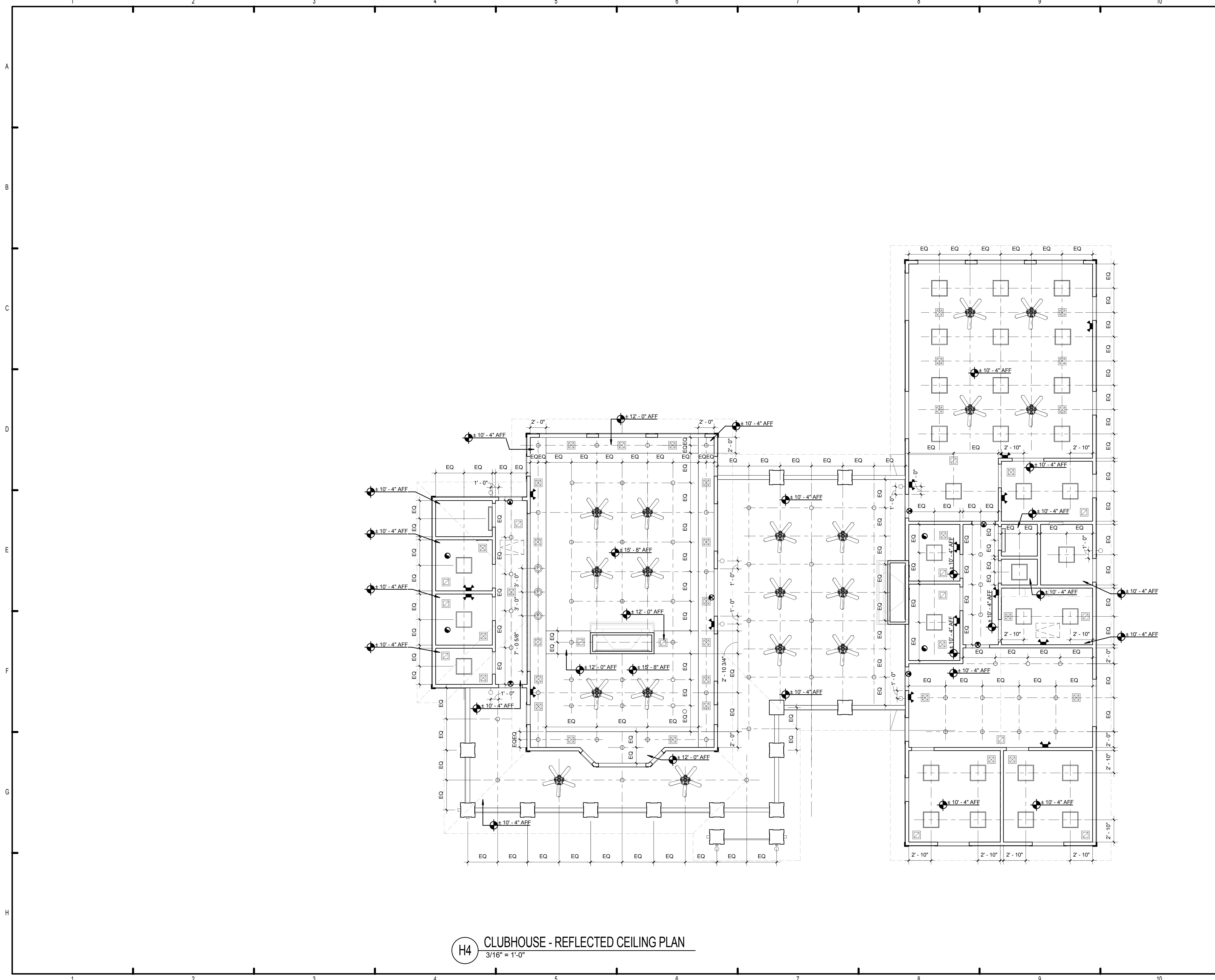


BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOOGA, TN.
Date: 05/01/2013
Project #: 5166.400

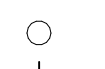

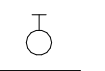

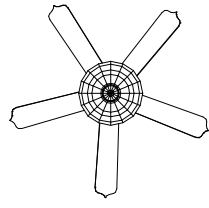


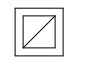


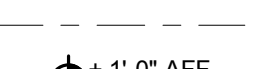
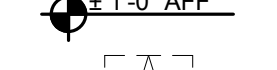
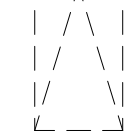
CLUBHOUSE FLOOR FINISH PLAN
CH2.03

PATRICK D. FITCH
LICENSE # 103195

H4 CLUBHOUSE - FINISH PLAN
3/16" = 1'-0"



R.C.P. LEGEND:

-  RECESSED LIGHT
-  PENDANT LIGHT
-  WALL MOUNTED LIGHT
-  2X2 FLUORESCENT LIGHT
- SURFACE MOUNTED 36" FLUORESCENT STRIP
-  EXTERIOR CEILING FAN W/LIGHT
-  CLG. MOUNTED EXHAUST FAN
-  SUPPLY AIR DIFFUSER (SEE MECH.)
-  RETURN AIR DIFFUSER (SEE MECH.)
-  EXIT SIGN
-  EMERGENCY LIGHT
-  CENTER LINE OF FIXTURE
-  CEILING HEIGHT TAG, REFER TO R.C.P.
-  1-HR F.R. ATTIC ACCESS PANEL, 22"x36" MIN. COORDINATE WITH ROOF TRUSSES

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW ISSUE

REVISION HISTORY

No.	Date	Description

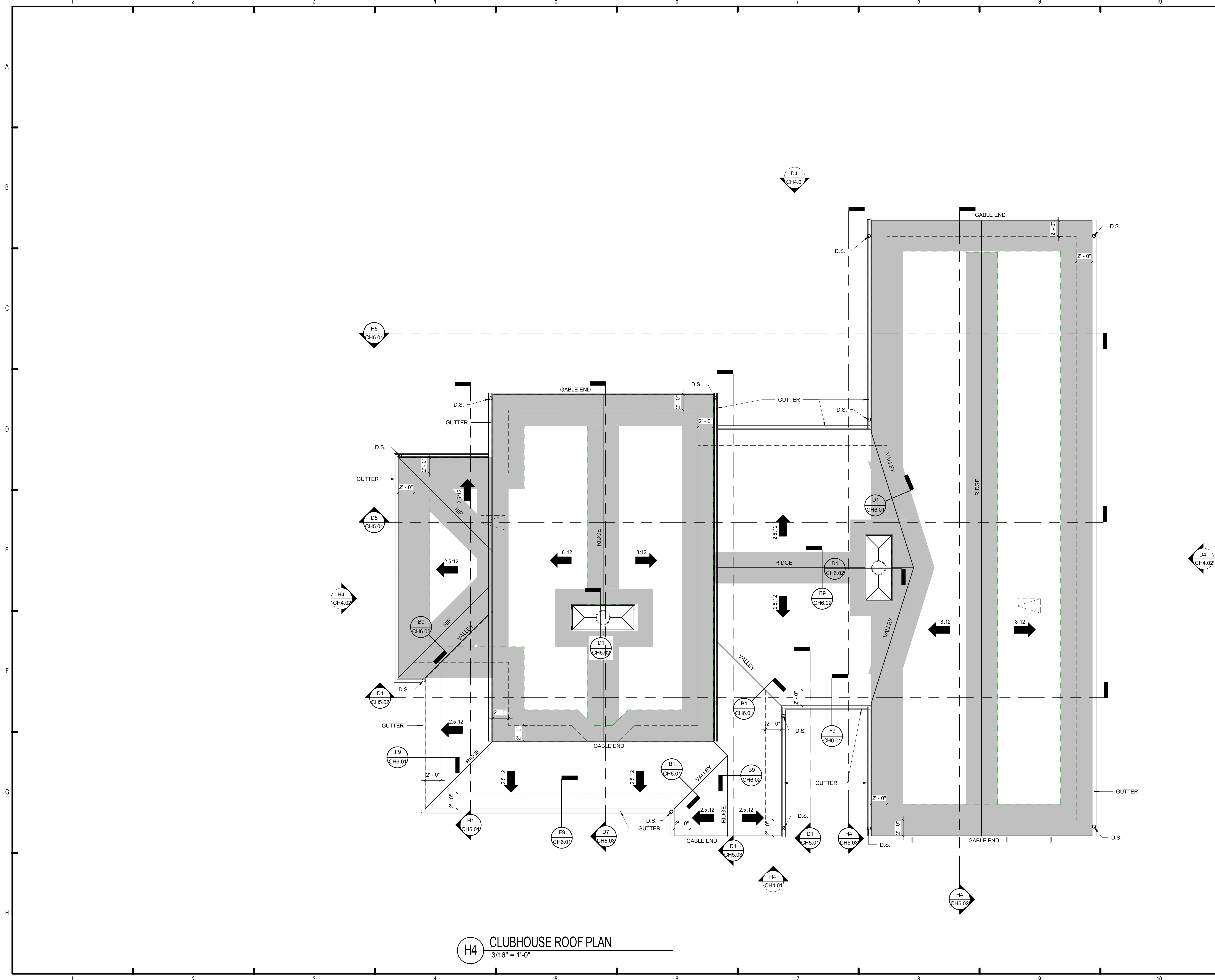

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BRIDGEWAY APARTMENTS CLUBHOUSE CHATTANOGA, TN.	Drawn: FZ Checked: PF Approval: PF Date: 05/01/2013 Project #: 5166.400
CLUBHOUSE RCP	CH2.04

PATRICK G. FITCH
 LICENSE # 103195

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H4 CLUBHOUSE - REFLECTED CEILING PLAN
 3/16" = 1'-0"



H4 CLUBHOUSE ROOF PLAN
3/16" = 1'-0"

GENERAL NOTES:

1. PAINT ALL ROOF VENTS & PENETRATIONS TO MATCH ROOF SHINGLE COLOR OR MTL. ROOF
2. COORDINATE DOWN SPOUT DISCHARGE WITH CIVIL DRAWINGS. WHERE NOT TAKEN TO STORM, PROVIDE SPLASH BLOCK.
3. LEAVE OPENING IN MAIN ROOF SHEATHING FOR VENTILATION UNDERNEATH OVER BUILT AREAS.
4. DOWNSPOUTS & GUTTERS SHOWN ARE MIN. REQUIREMENTS SUBJECT TO OWNER'S CONSIDERATIONS

LEGEND:

- - - - 3/8" THK. MIN. OSB EXTERIOR SHEATHING ATTIC DRAFTSTOP PARTITION. SEE B9/A5.20
- [Symbol] HINGED ACCESS PANEL. MIN. 36" X 36"
- [Symbol] 1HR. FIRE RATED ATTIC ACCESS PANEL. MIN. 22"X36". COORDINATE WITH ROOF TRUSSES
- [Symbol] OFF RIDGE VENT
- [Symbol] SELF-ADHERED MEMBRANE 24" MIN. BEYOND EXTERIOR SHEATHING UNDER ROOF FELT

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW ISSUE

REVISION HISTORY

No.	Date	Description

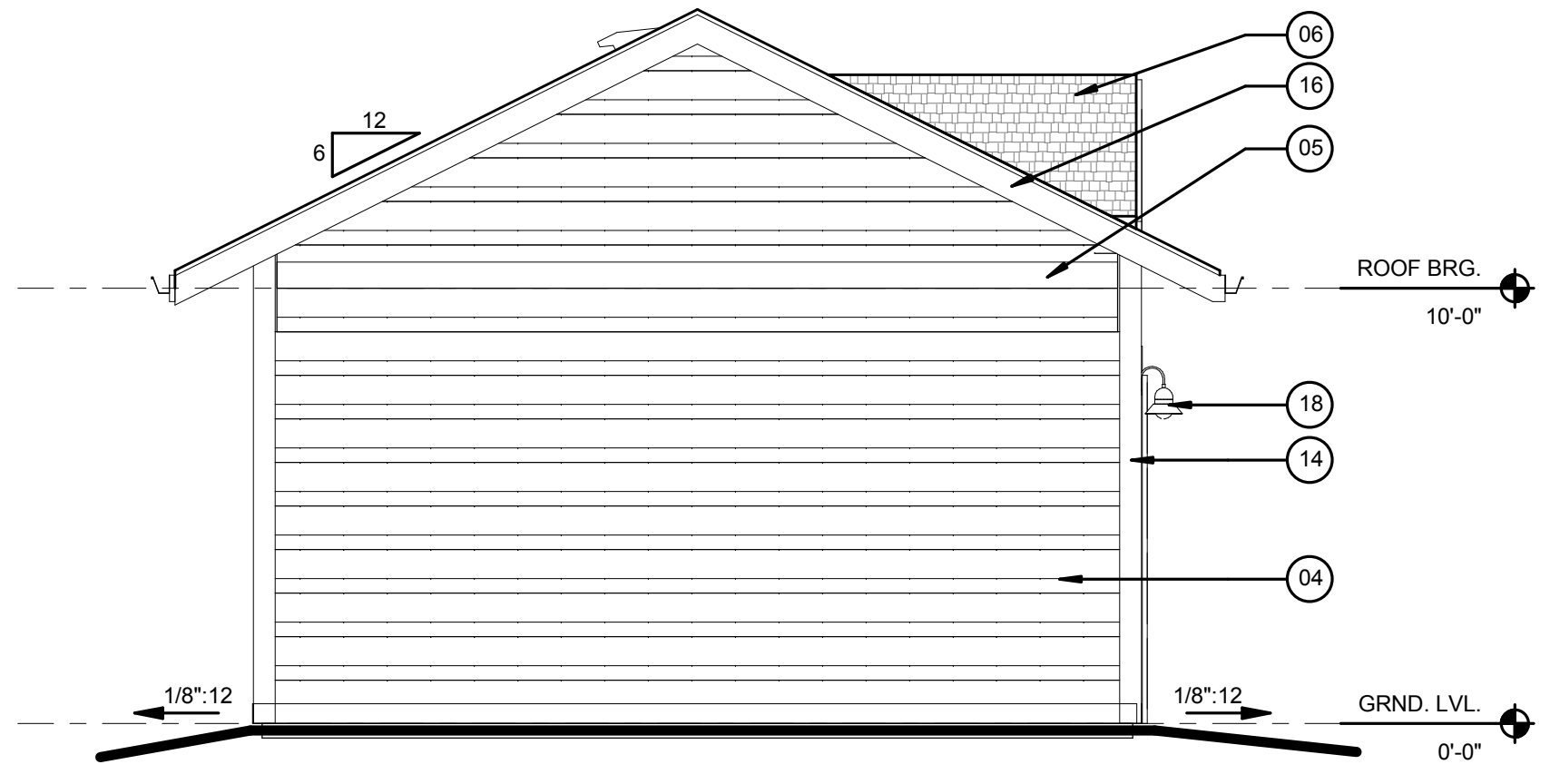

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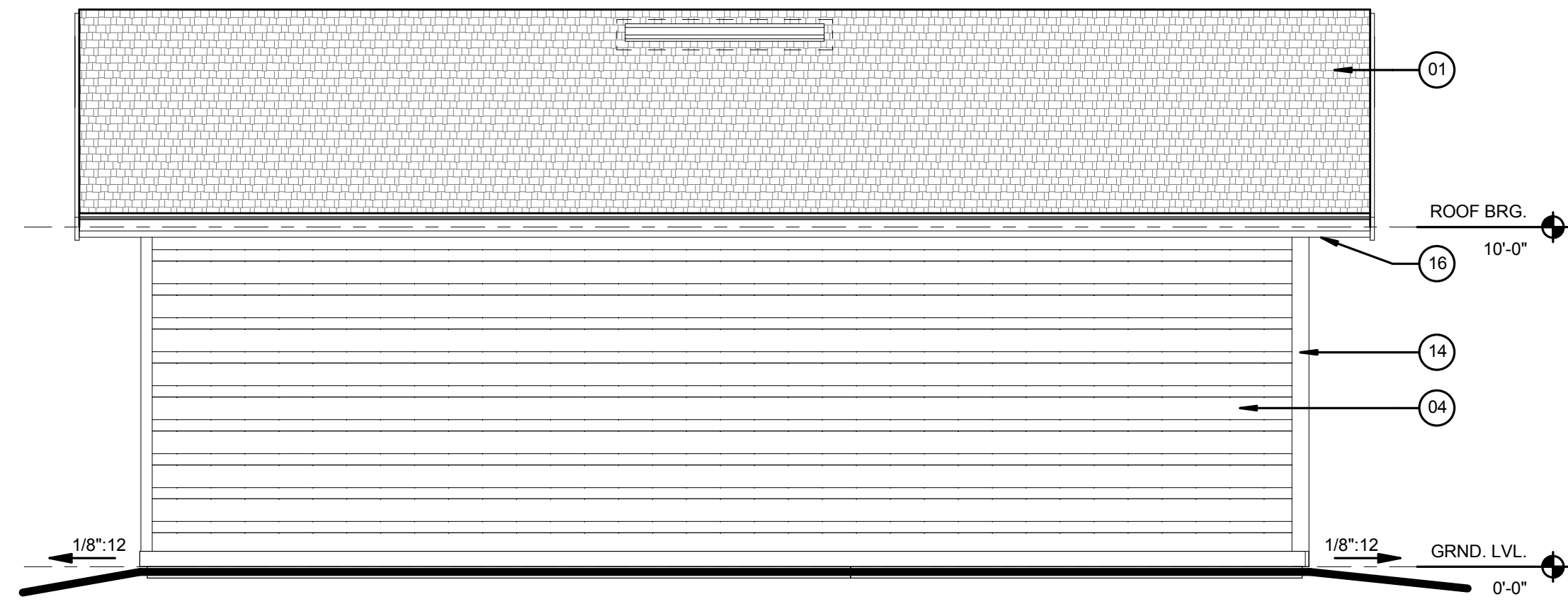
BRIDGEWAY APARTMENTS CLUBHOUSE
 CHATTANOOGA, TN.
 Date: 05/01/2013
 Project #: 5166.400

CLUBHOUSE ROOF PLAN
 CH2.05

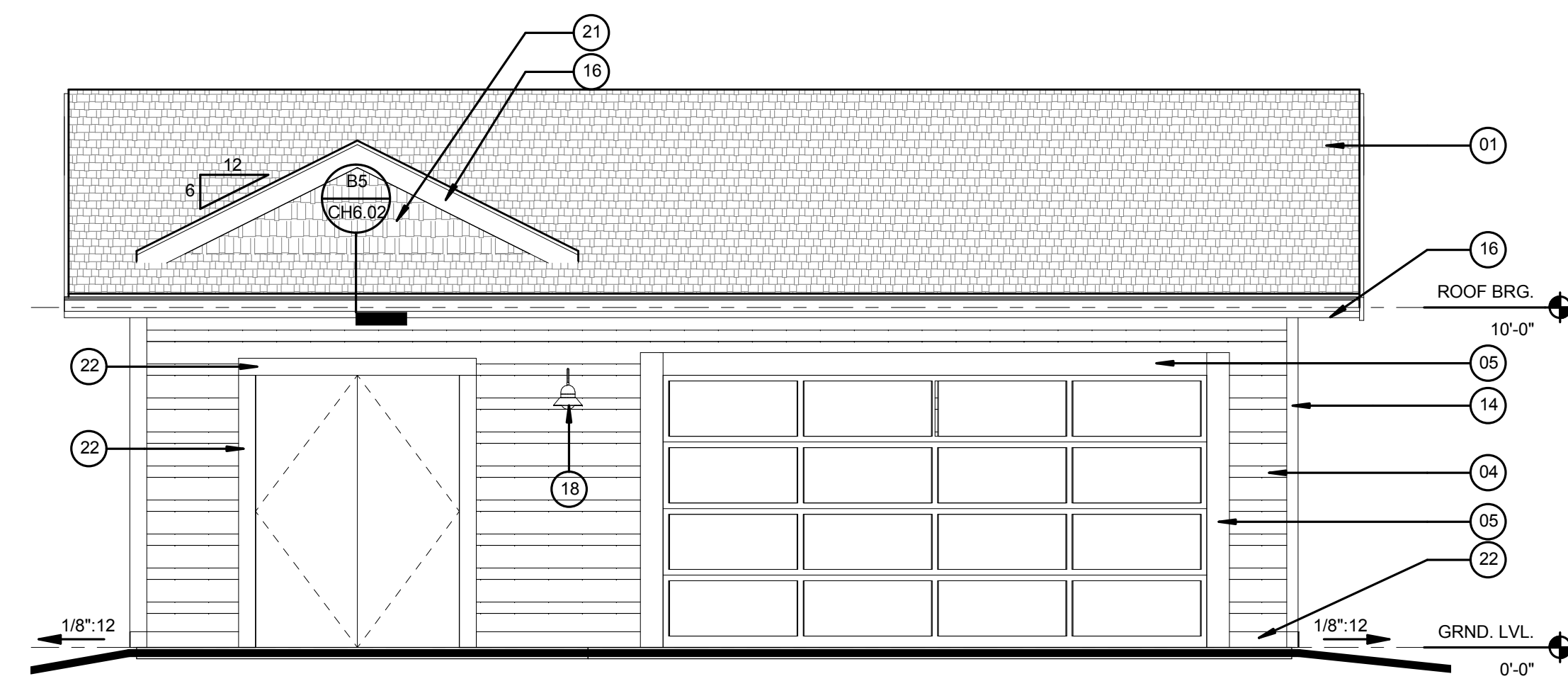
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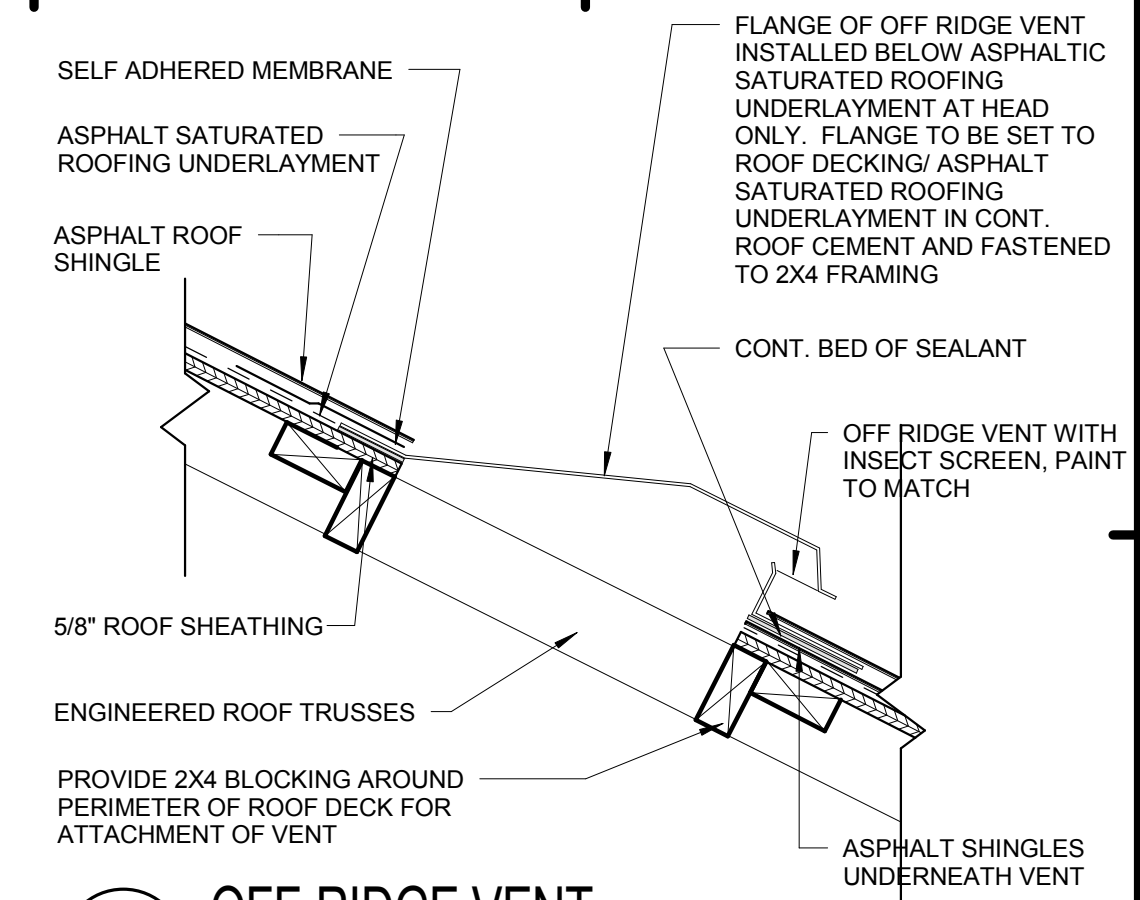
C1 SIDE ELEVATION - (TYP.)
1/4" = 1'-0"



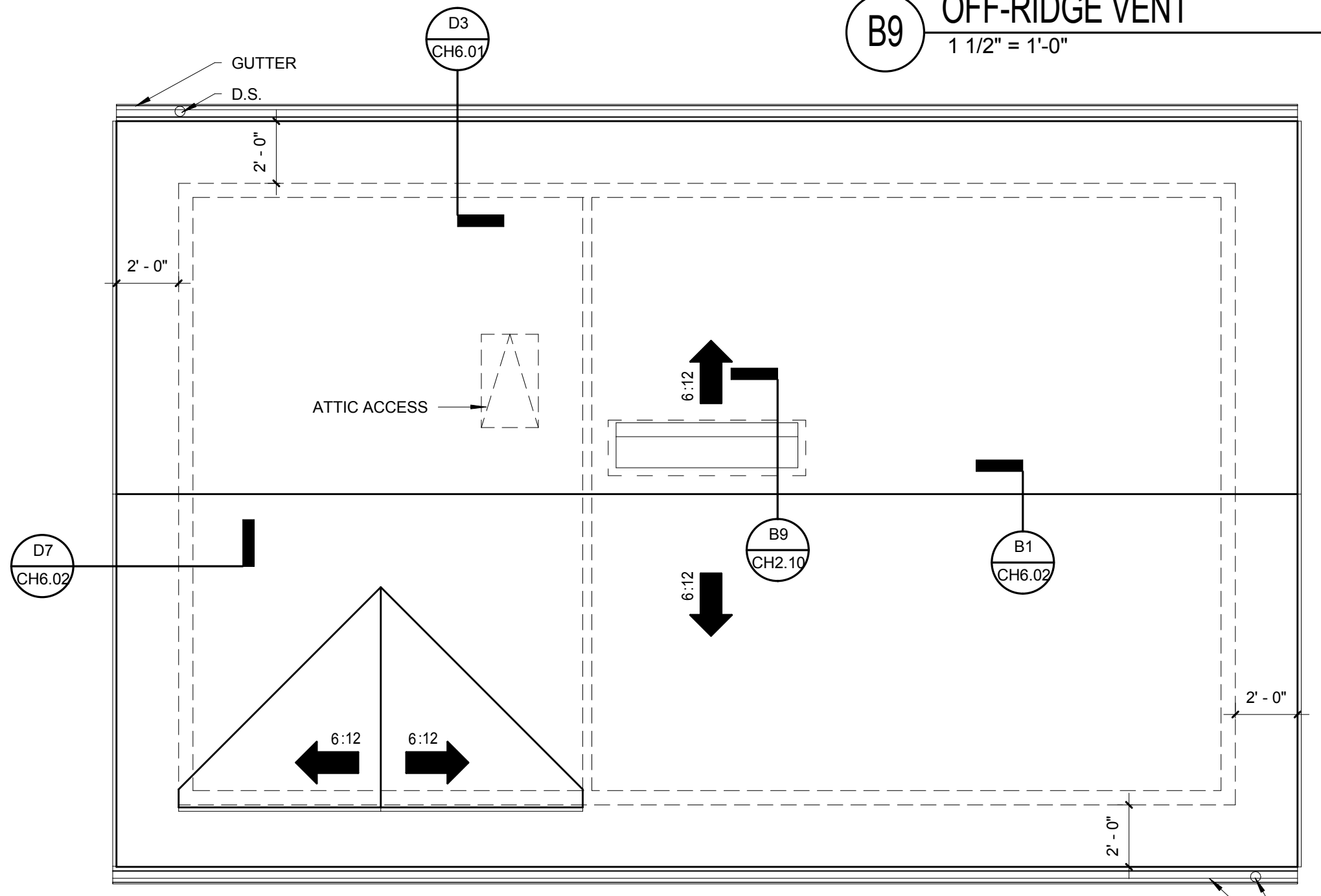
F1 REAR ELEVATION
1/4" = 1'-0"



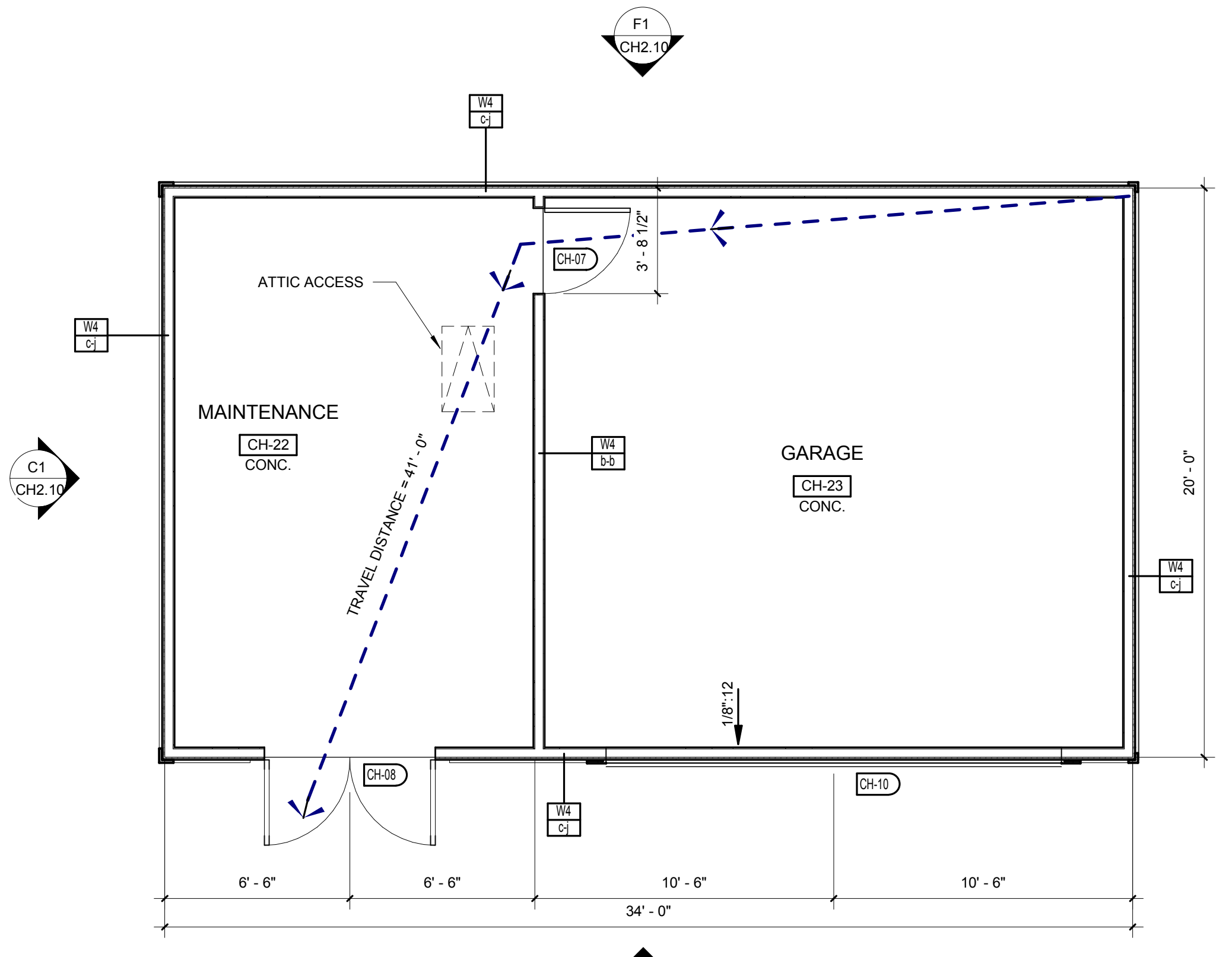
H1 FRONT ELEVATION
1/4" = 1'-0"



B9 OFF-RIDGE VENT
1 1/2" = 1'-0"



D7 MAINTENANCE BUILDING - ROOF PLAN
1/4" = 1'-0"



H7 MAINTENANCE BUILDING - FLOOR PLAN
1/4" = 1'-0"

LEGEND:

- 01. ASPHALT ROOF SHINGLES
- 02. STANDING SEAM METAL ROOF
- 03. FIBER CEMENT WATER TABLE
- 04. FIBER CEMENT LAP SIDING - ALTERNATE 4" & 8" EXPOSURE PATTERN
- 05. 5/4x8 FIBER CEMENT TRIM
- 06. 1/4" FIBER CEMENT TRIM
- 07. DECORATIVE ROOF BRACKET
- 08. FIBER CEMENT PANEL BOARD
- 09. 2"x2" SQUARED TAPERED COLUMN - FIBER CEMENT PANEL BOARD & STONE
- 10. BEAM - FIBER CEMENT WRAPPED
- 11. STRUTS - 2"x6" FIBER CEMENT TRIM BOARD
- 12. CAST STONE VENEER
- 13. LIGHTED BUILDING NUMBER SIGN
- 14. FIBER CEMENT CORNER TRIM
- 15. 6" PREFINISHED METAL RAIN GUTTER
- 16. 2x8 ALUMINUM WRAPPED FASCIA
- 17. A/C CONDENSING UNIT ON A 3"x3" (MIN.) CONC. PAD
- 18. EXTERIOR LIGHT FIXTURE, AS SCHEDULED
- 19. CHIMNEY CAP
- 20. FIRE PLACE
- 21. FIBER CEMENT STAGGERED-EDGE SHINGLE PANEL
- 22. 5/4x6 FIBER CEMENT TRIM
- 23. FIBER CEMENT SIDING - 6" EXPOSURE
- 24. HIGH-LOW, ADA DRINKING FOUNTAIN

NOTE: WINDOWS REQUIRED TO HAVE TEMPERED GLASS ARE INDICATED ON ELEVATIONS WITH A 'T'

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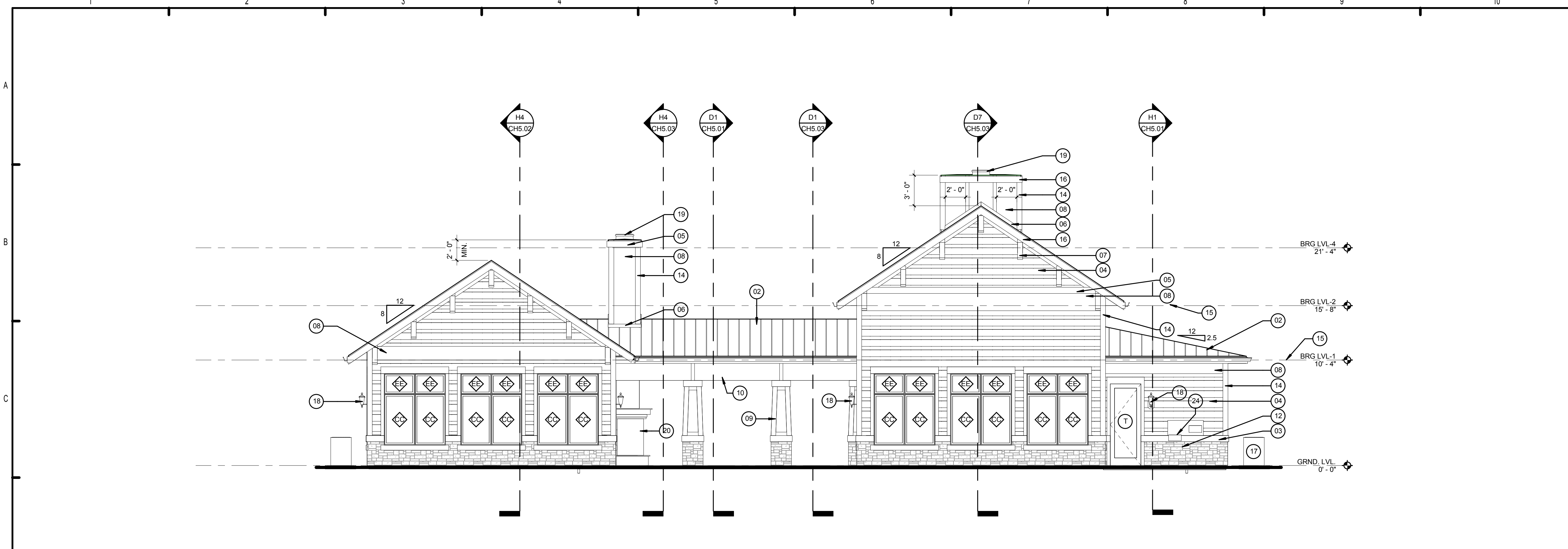
BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOOGA, TN.

MAINTENANCE BUILDING CH2.10

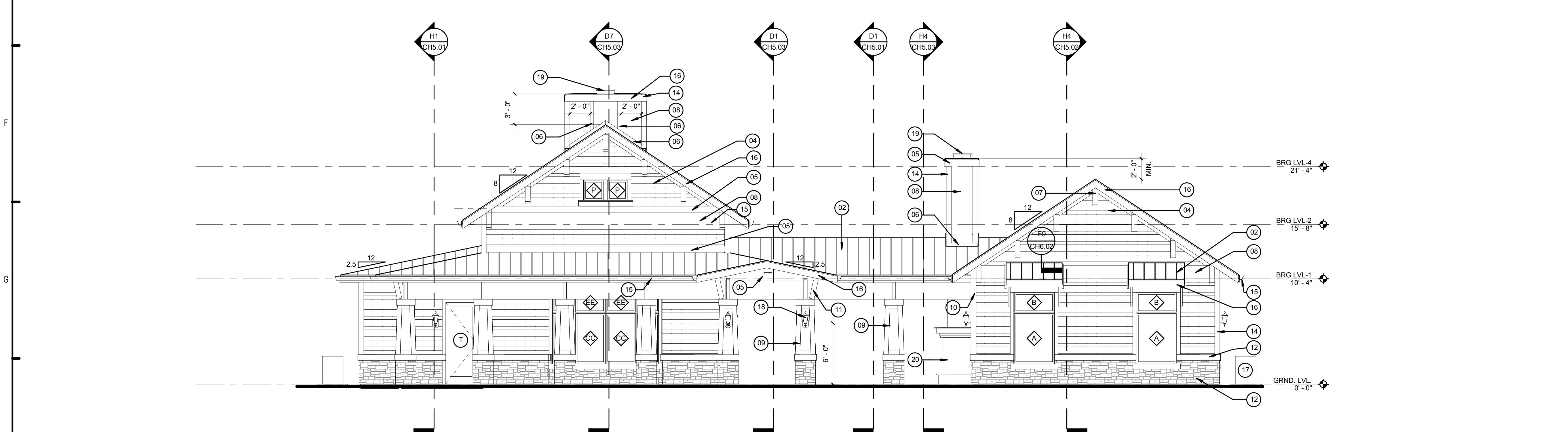
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Checked: PF
Approval: PF
Date: 05/01/2013
Project #: 5166.400

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LICENSE # 103195

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D4 REAR ELEVATION
3/16" = 1'-0"



H4 FRONT ELEVATION
3/16" = 1'-0"

LEGEND:

- 01. ASPHALT ROOF SHINGLES
- 02. STANDING SEAM METAL ROOF
- 03. FIBER CEMENT WATER TABLE
- 04. FIBER CEMENT LAP SIDING - ALTERNATE 4" & 8" EXPOSURE PATTERN
- 05. 5/4x8 FIBER CEMENT TRIM
- 06. 1/4 FIBER CEMENT TRIM
- 07. DECORATIVE ROOF BRACKET
- 08. FIBER CEMENT PANEL BOARD
- 09. 2"x2 SQUARED TAPERED COLUMN - FIBER CEMENT PANEL BOARD & STONE
- 10. BEAM - FIBER CEMENT WRAPPED
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- 22. 5/4x6 FIBER CEMENT TRIM
- 23. FIBER CEMENT SIDING - 6" EXPOSURE
- 24. HIGH-LOW, ADA DRINKING FOUNTAIN

NOTE: WINDOWS REQUIRED TO HAVE TEMPERED GLASS ARE INDICATED ON ELEVATIONS WITH A "T"

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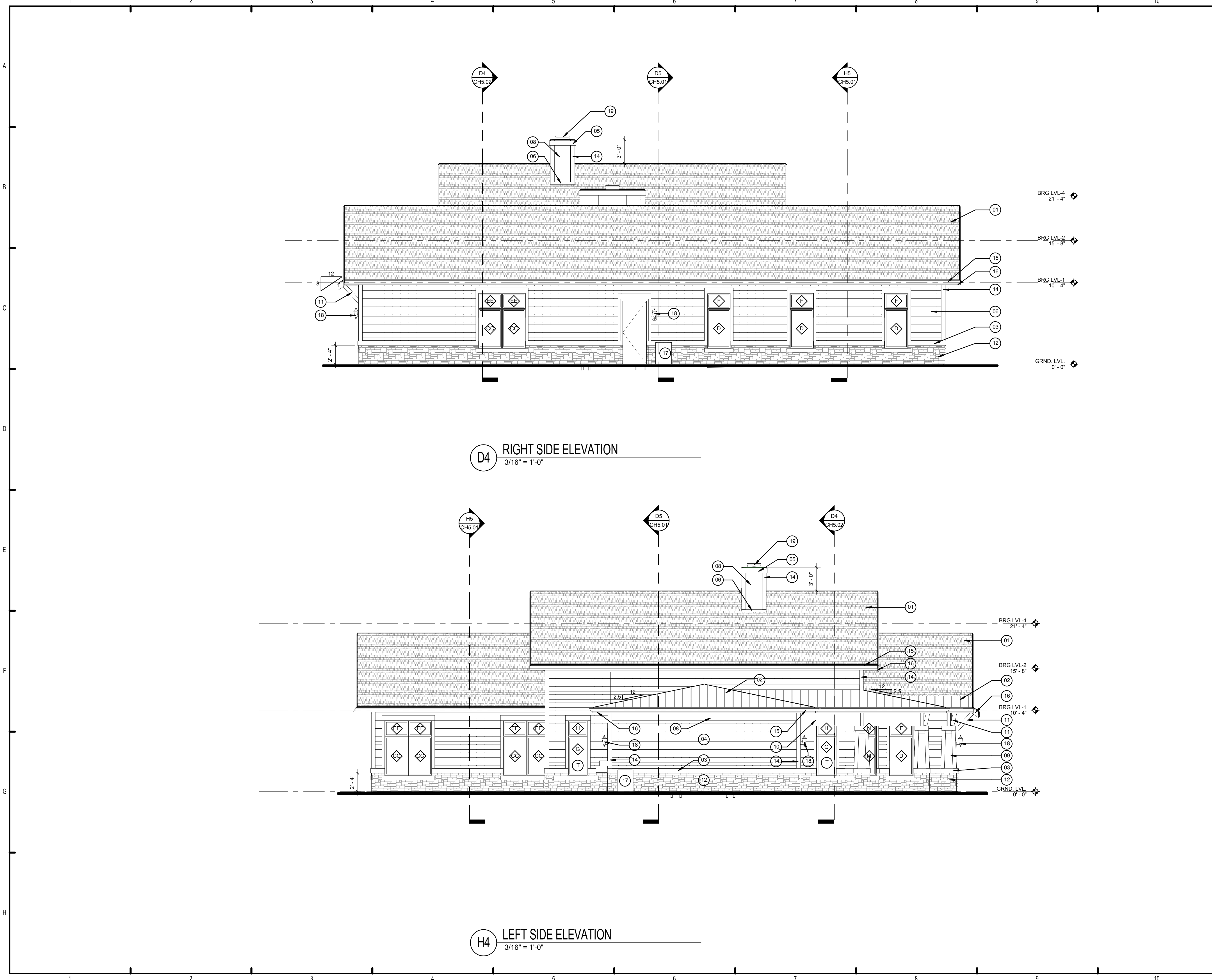
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BRIDGEWAY APARTMENTS CLUBHOUSE
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Project #: 5166.400

CLUBHOUSE ELEVATIONS CH4.01

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D4 RIGHT SIDE ELEVATION
3/16" = 1'-0"

H4 LEFT SIDE ELEVATION
3/16" = 1'-0"

LEGEND:

- 01. ASPHALT ROOF SHINGLES
- 02. STANDING SEAM METAL ROOF
- 03. FIBER CEMENT WATER TABLE
- 04. FIBER CEMENT LAP SIDING - ALTERNATE 4" & 8"
- 05. EXPOSURE PATTERN
- 06. 5/4x8 FIBER CEMENT TRIM
- 07. 1/4" FIBER CEMENT TRIM
- 08. DECORATIVE ROOF BRACKET
- 09. FIBER CEMENT PANEL BOARD
- 10. 2x2 SQUARE TAPERED COLUMN - FIBER CEMENT PANEL BOARD & STONE
- 11. BEAM - FIBER CEMENT WRAPPED
- 12. STRUTS - 2x8" FIBER CEMENT WRAPPED TRIM BOARD
- 13. CAST STONE VENEER
- 14. LIGHTED BUILDING NUMBER SIGN
- 15. FIBER CEMENT CORNER TRIM
- 16. 6" PREFINISHED METAL RAIN GUTTER
- 17. 2x8 ALUMINUM WRAPPED FASCIA
- 18. A/C CONDENSING UNIT ON A 3x3 (MIN.) CONC. PAD
- 19. EXTERIOR LIGHT FIXTURE, AS SCHEDULED
- 20. CHIMNEY CAP
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- 22. FIBER CEMENT STAGGERED-EDGE SHINGLE PANEL
- 23. 5/4x8 FIBER CEMENT TRIM
- 24. FIBER CEMENT SIDING - 6" EXPOSURE
- 25. HIGH-LOW, ADA DRINKING FOUNTAIN

NOTE: WINDOWS REQUIRED TO HAVE TEMPERED GLASS ARE INDICATED ON ELEVATIONS WITH A "T"

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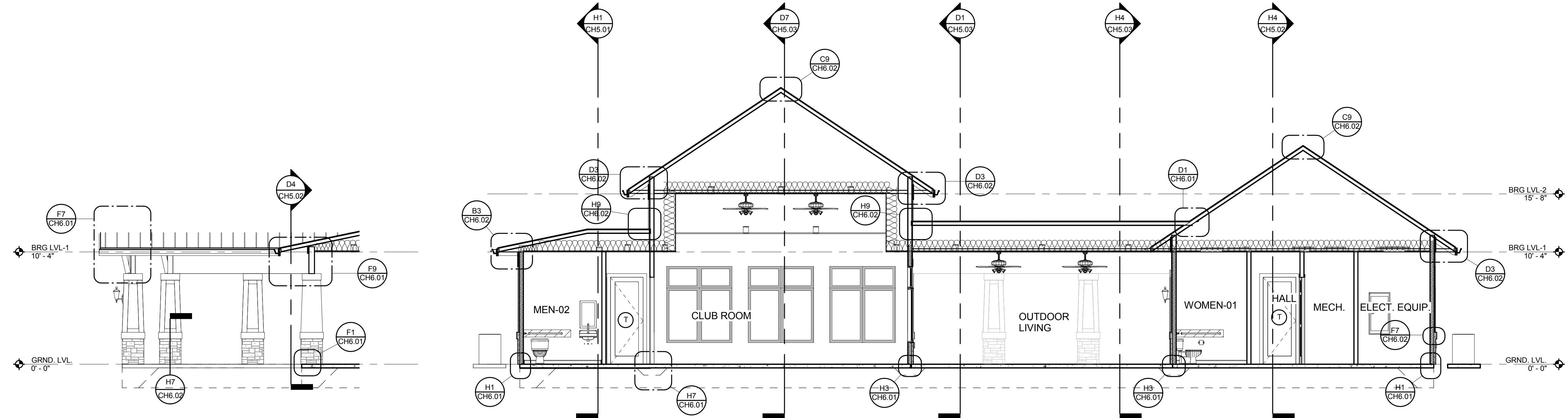
CLUBHOUSE ELEVATIONS CH4.02

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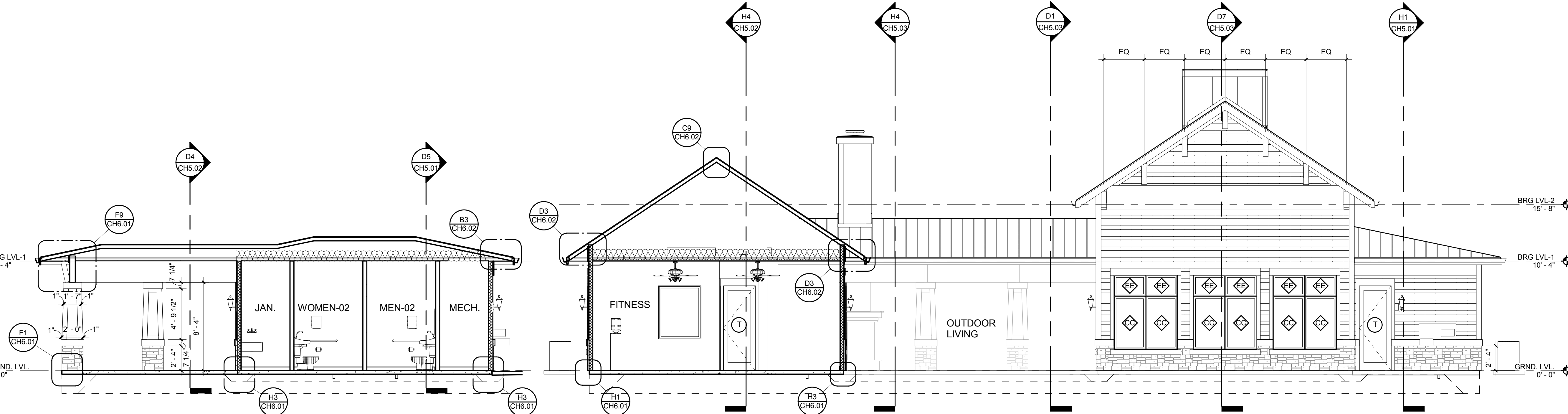
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D1 BUILDING SECTION
3/16" = 1'-0"

D5 BUILDING SECTION
3/16" = 1'-0"



H1 BUILDING SECTION
3/16" = 1'-0"

H5 BUILDING SECTION
3/16" = 1'-0"

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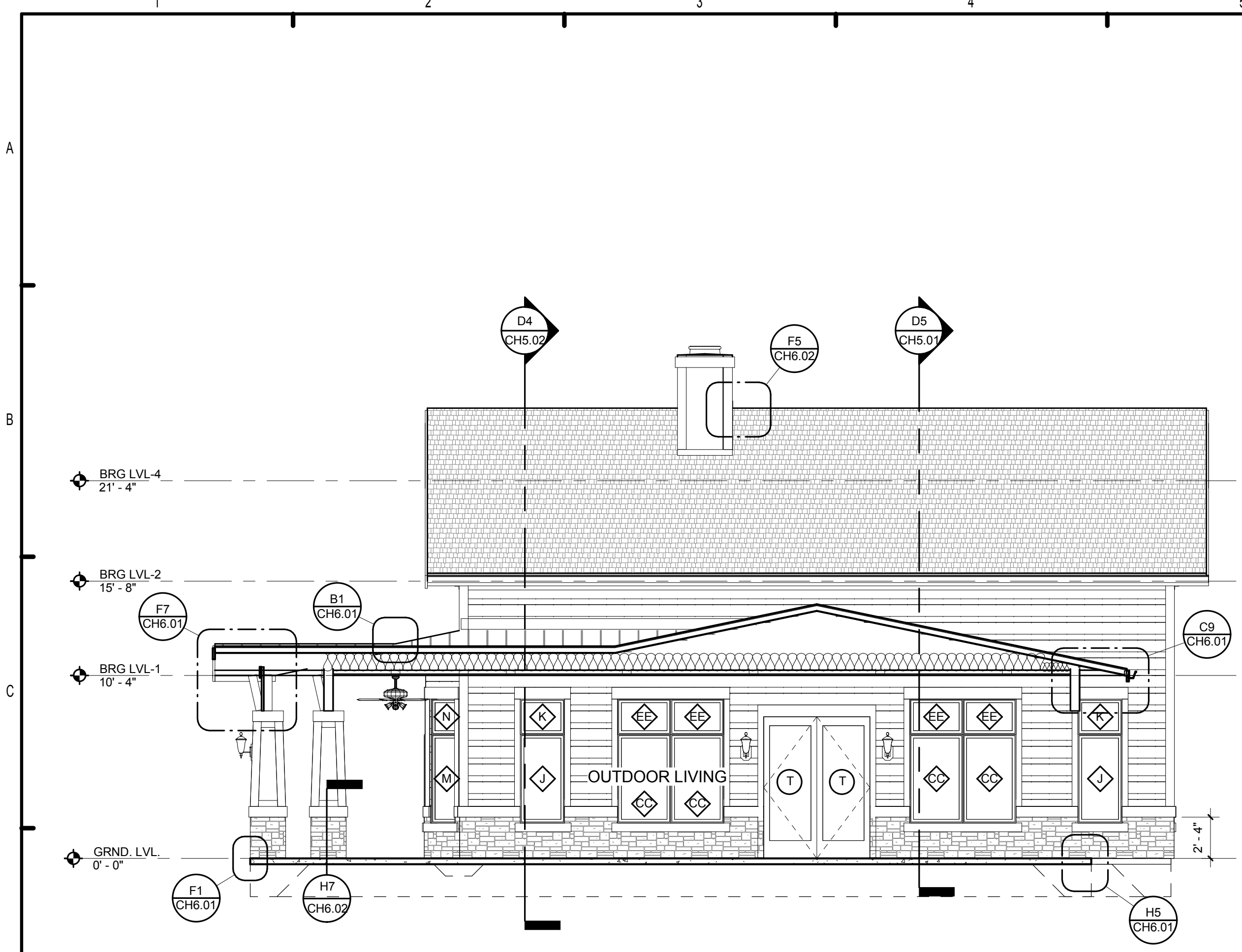
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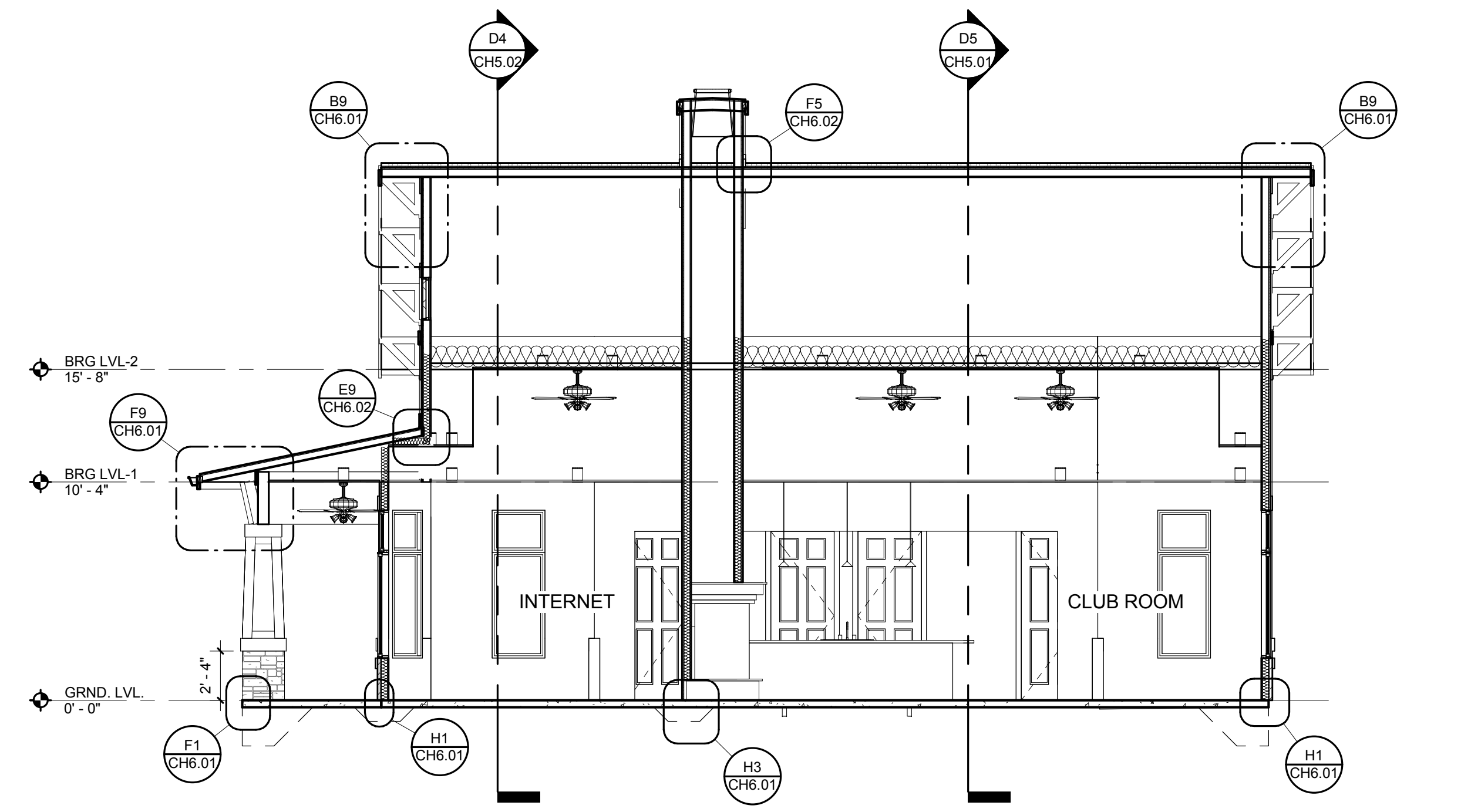
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CHATTANOOGA, TN.

BUILDING SECTIONS CH5.01

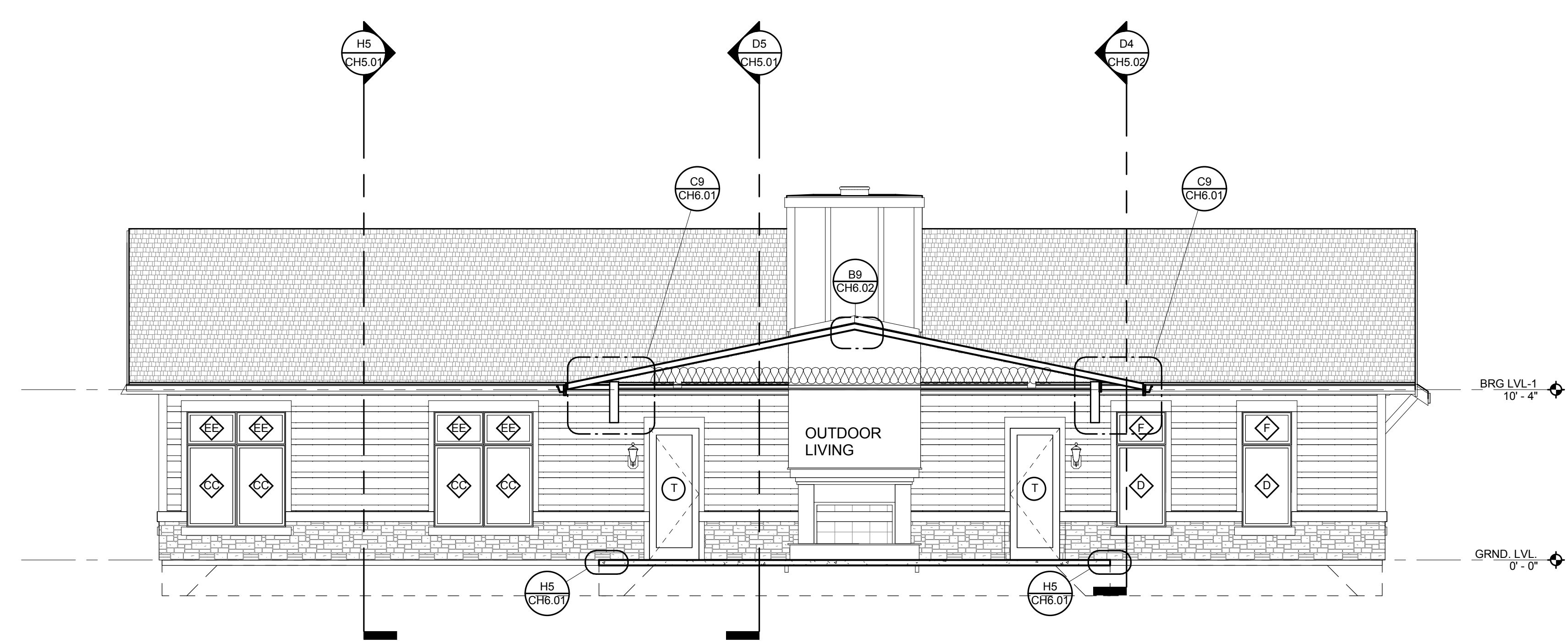
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D1 BUILDING SECTION
3/16" = 1'-0"



D7 BUILDING SECTION
3/16" = 1'-0"



H4 BUILDING SECTION
3/16" = 1'-0"

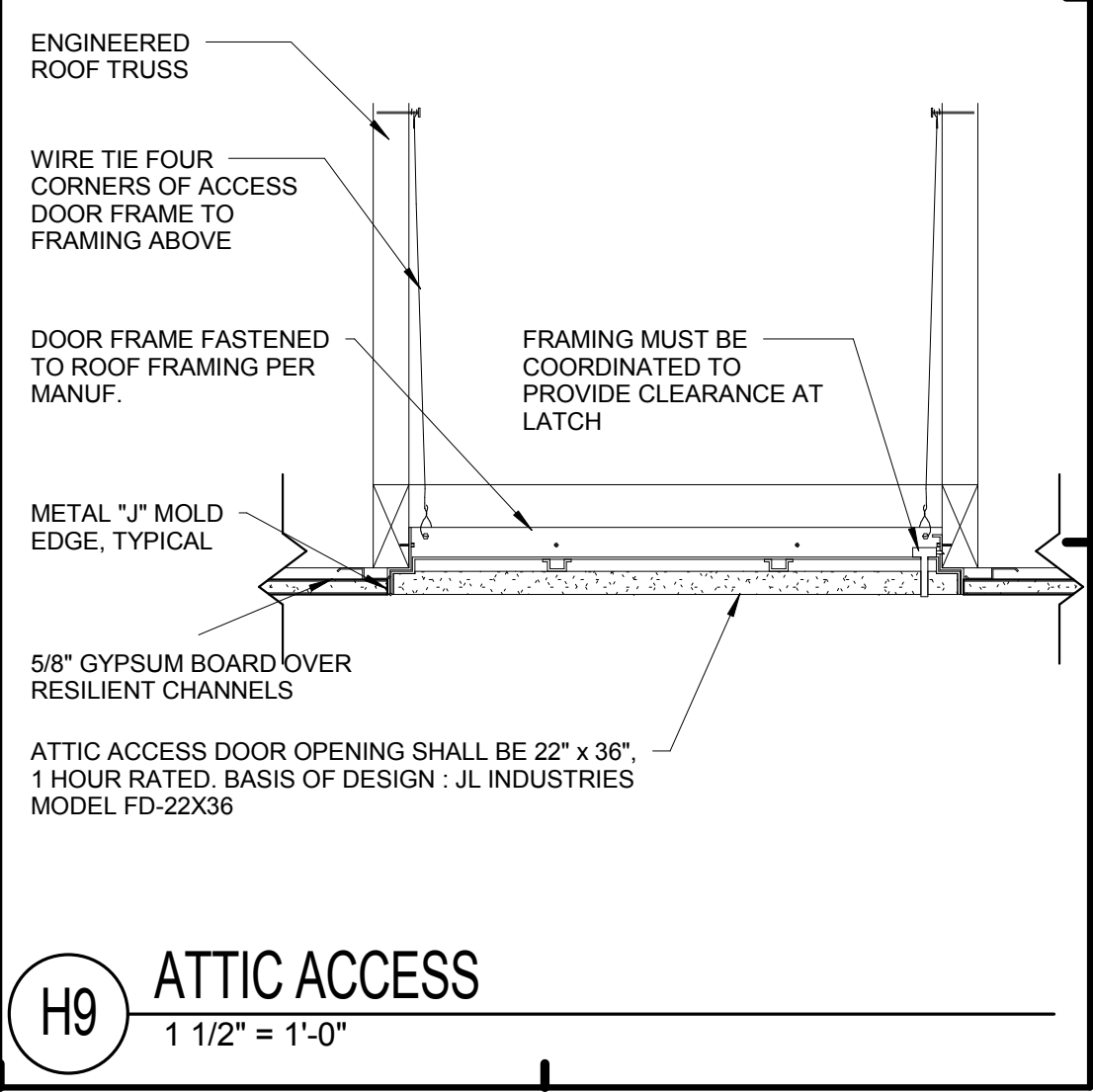
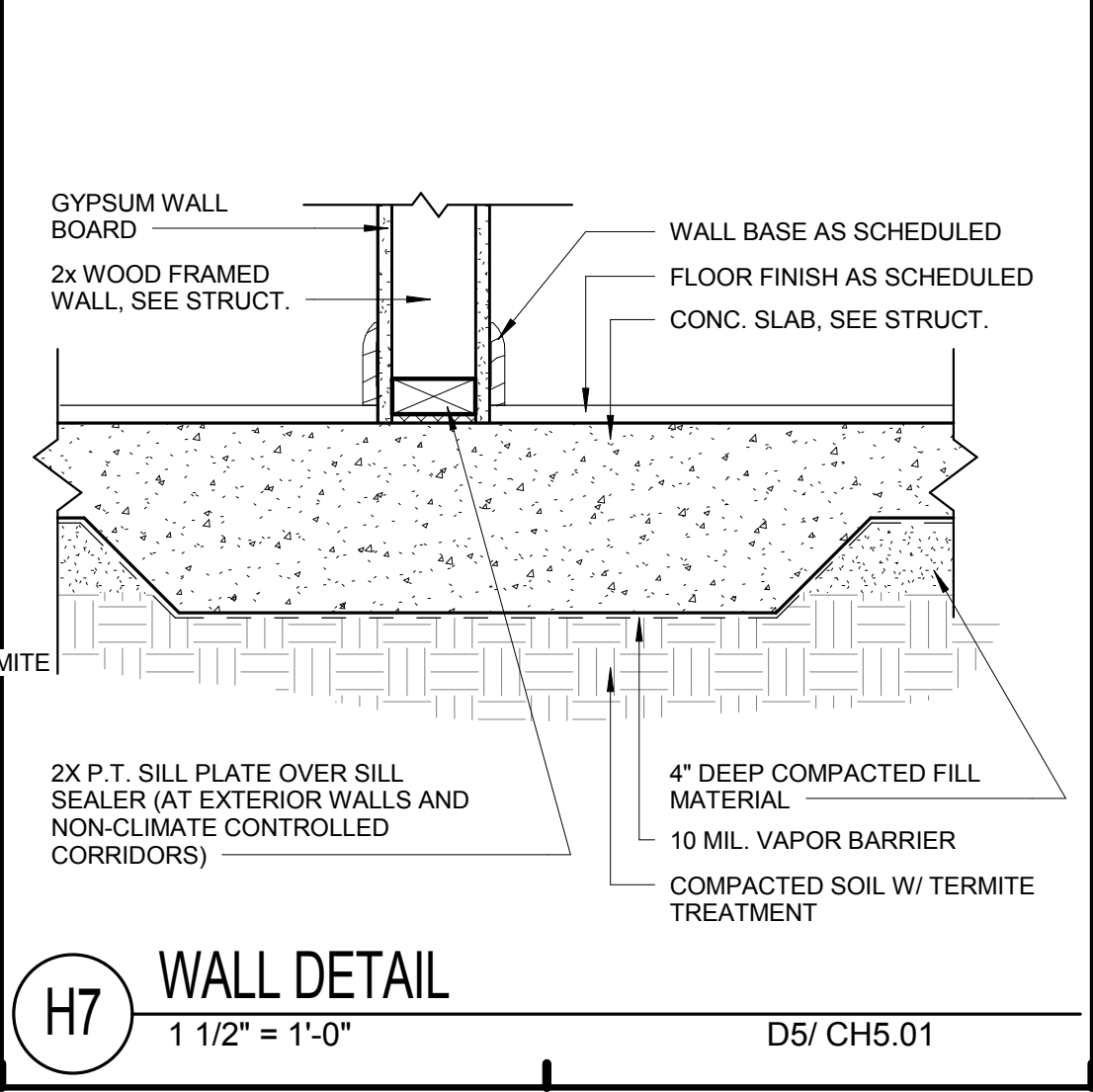
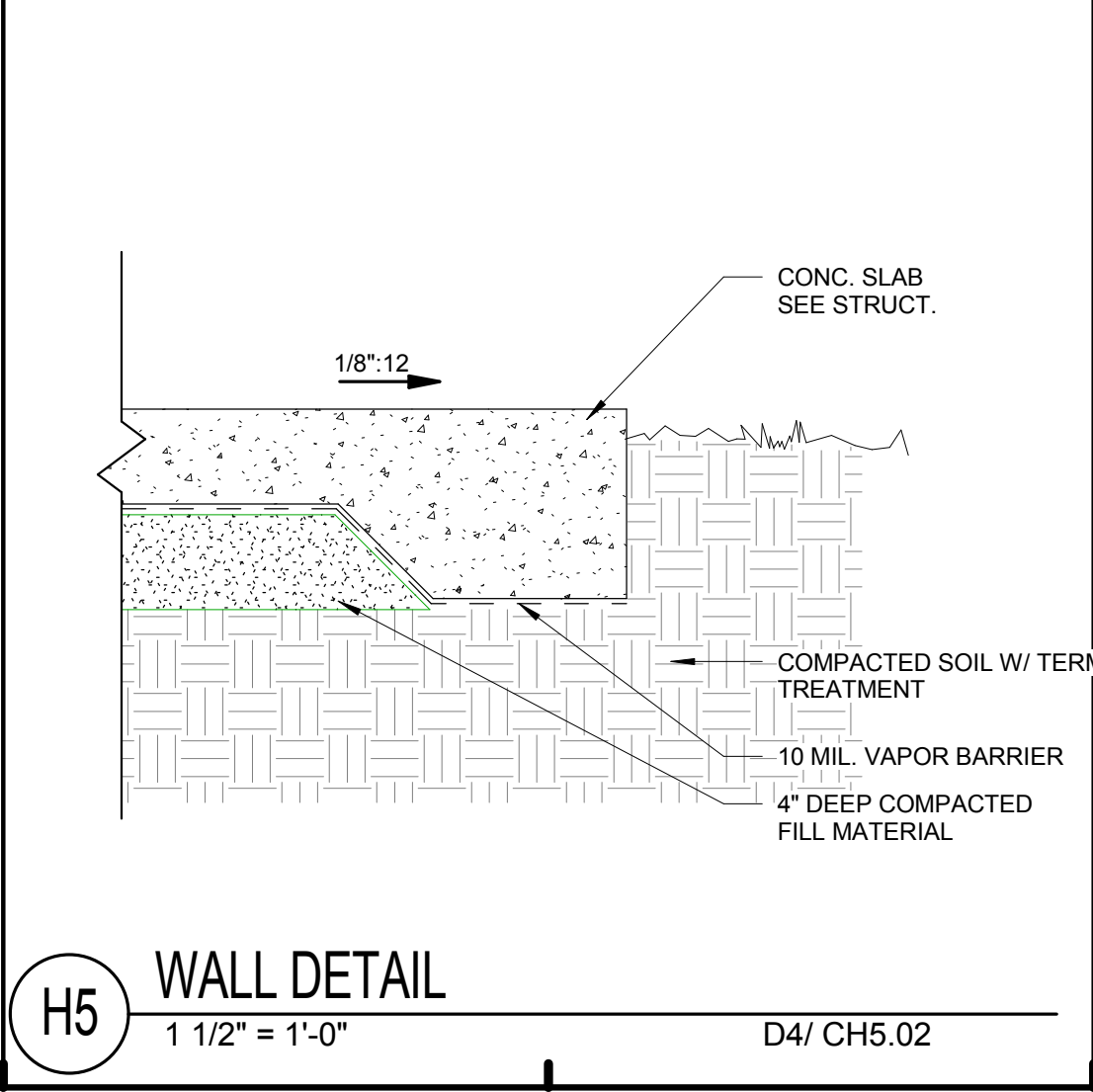
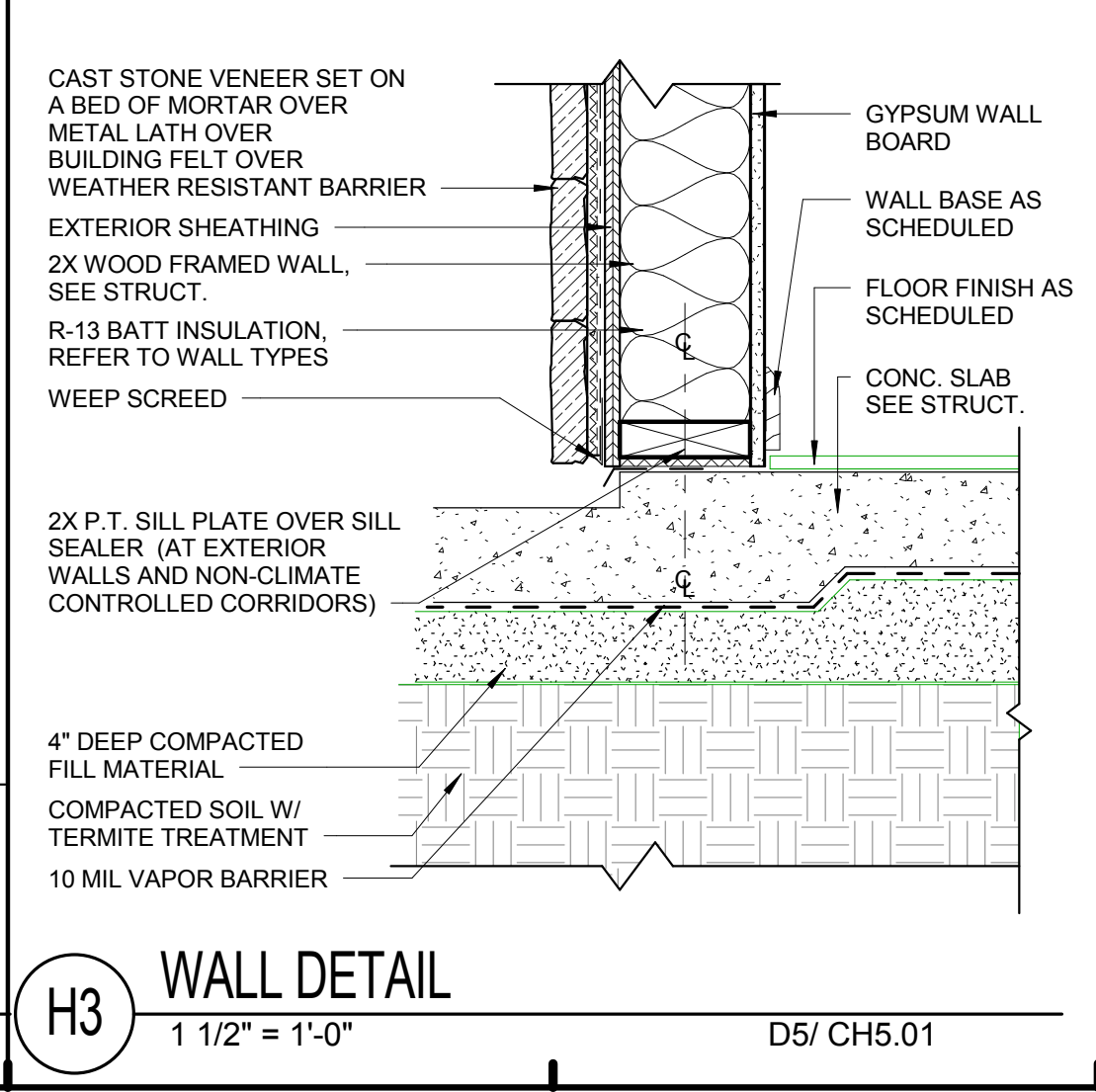
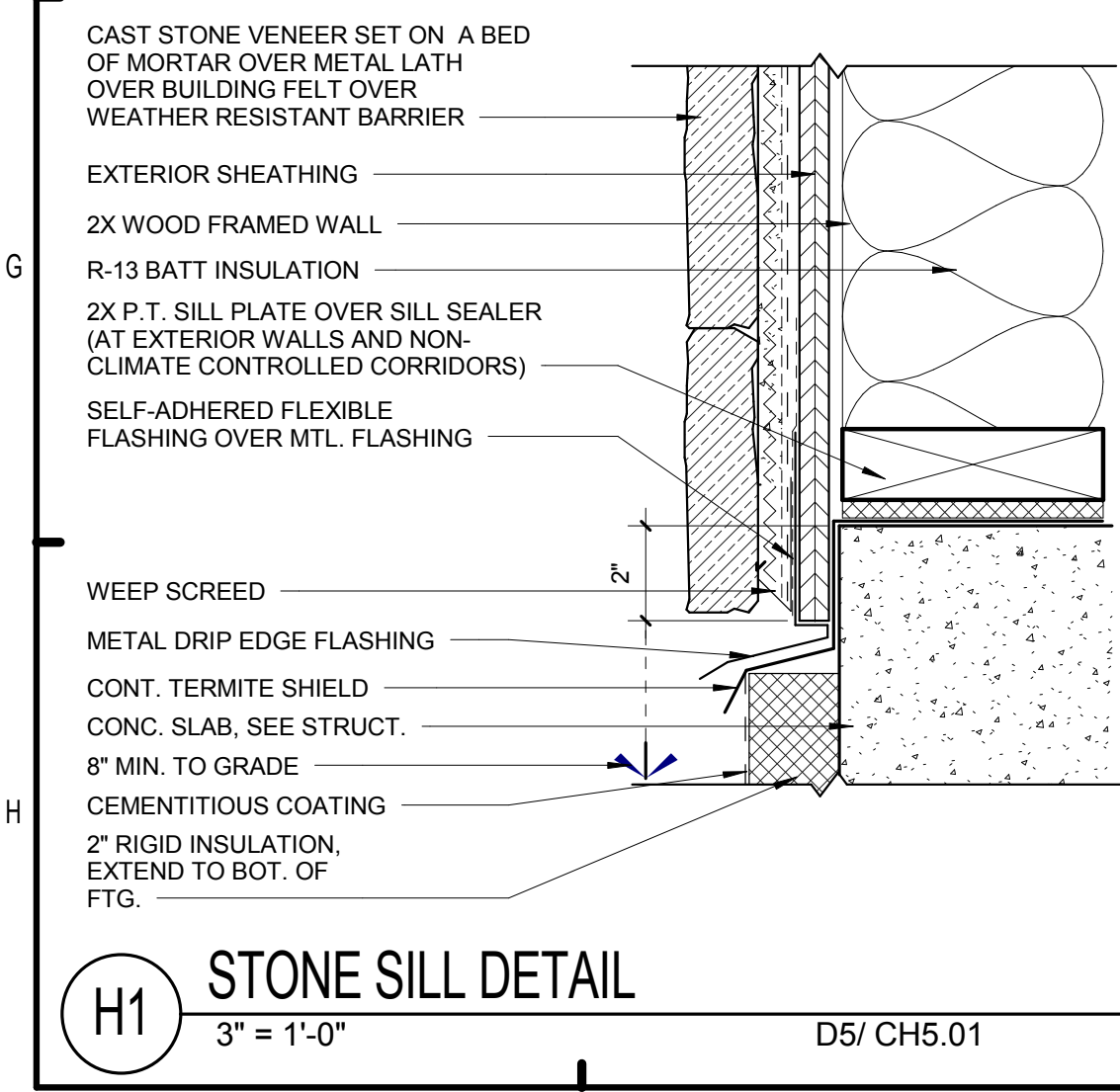
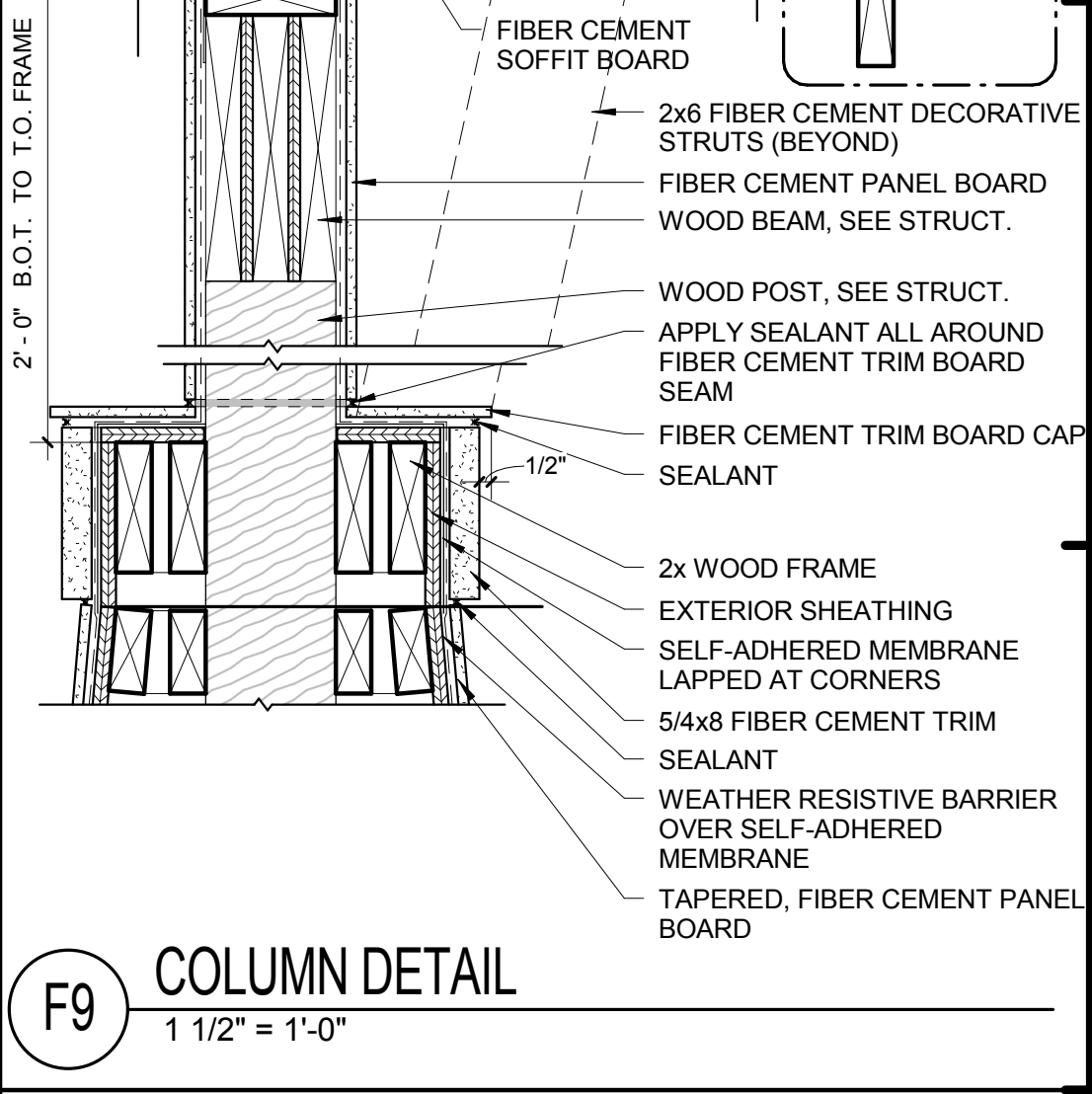
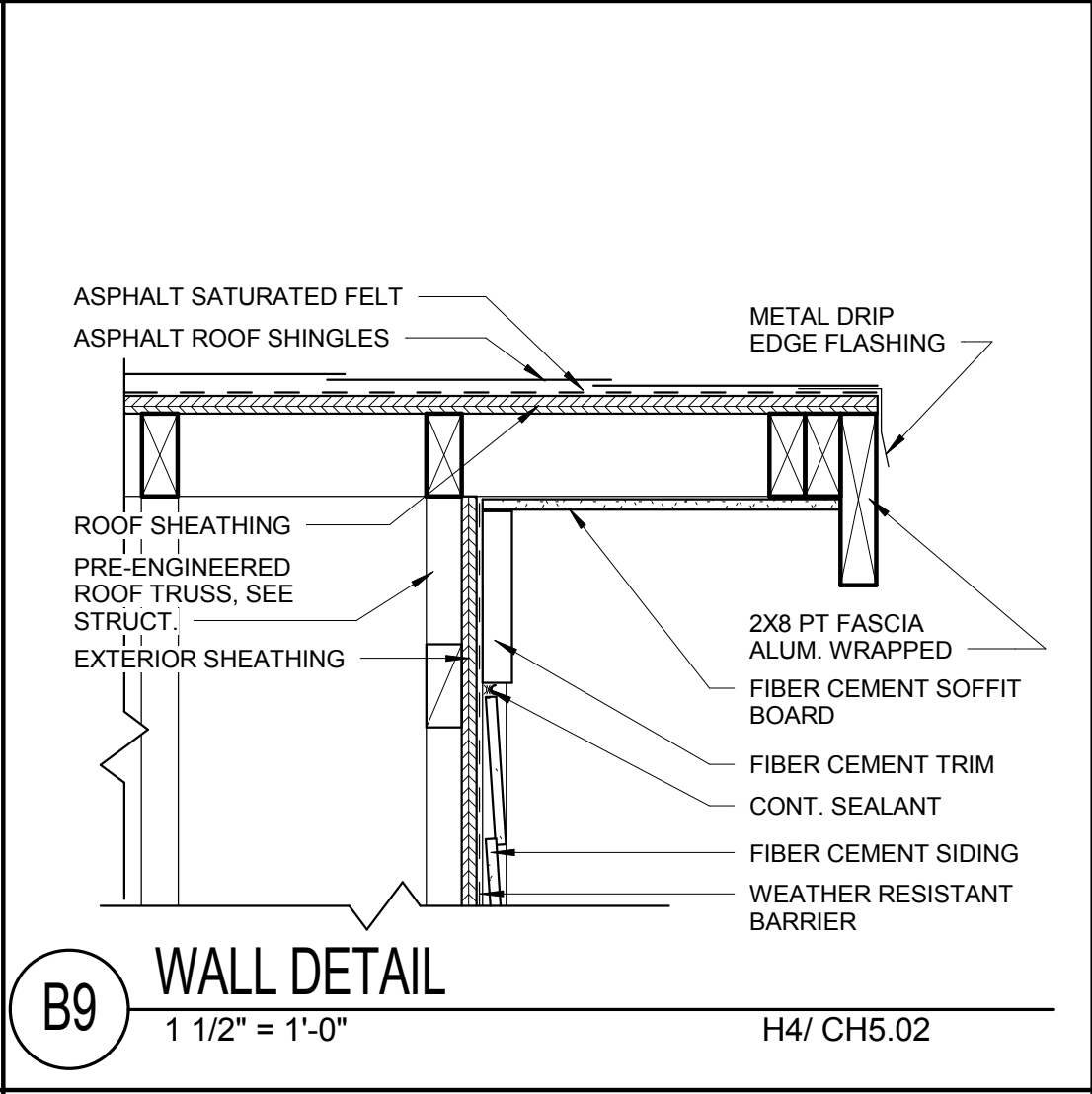
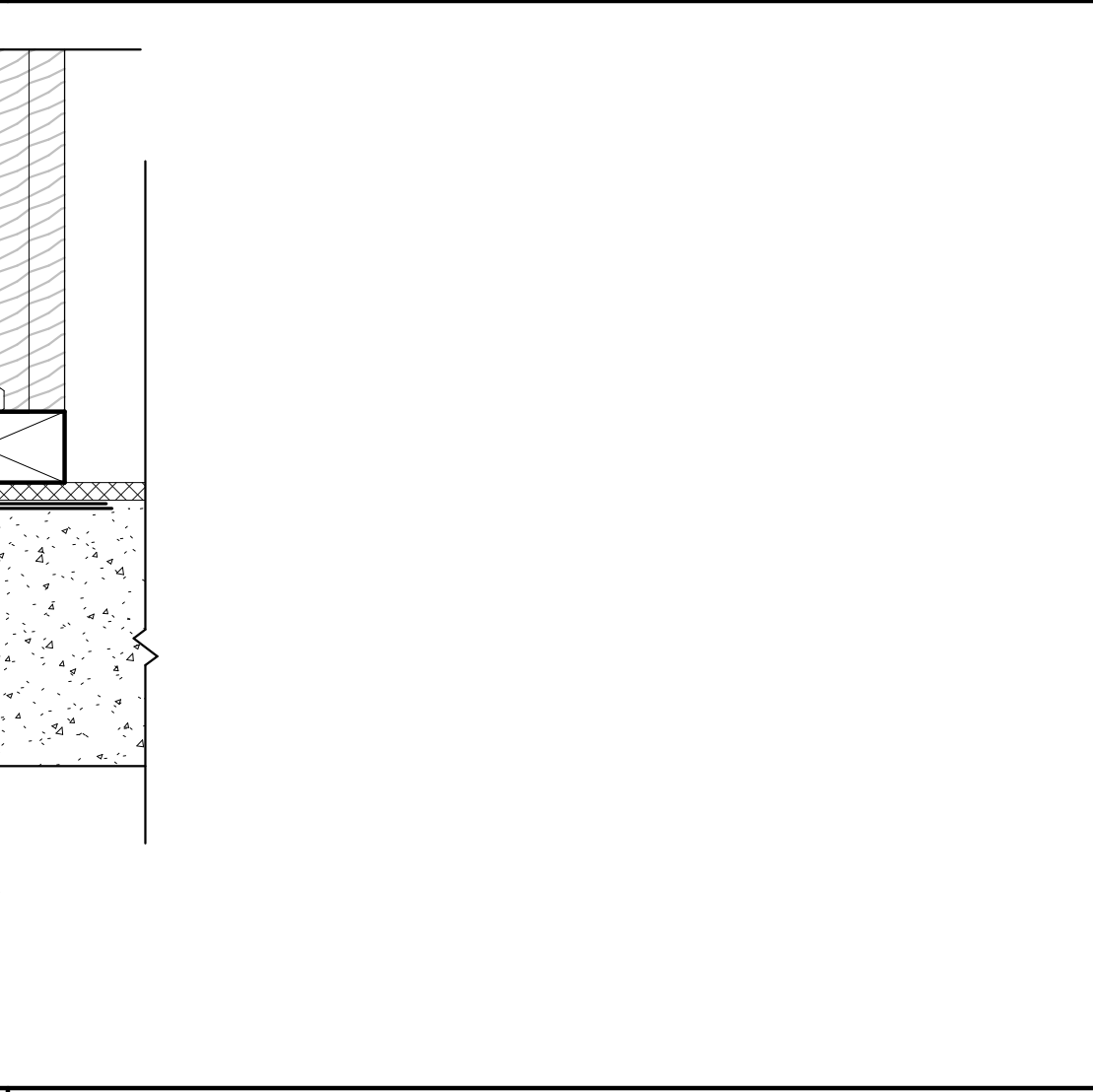
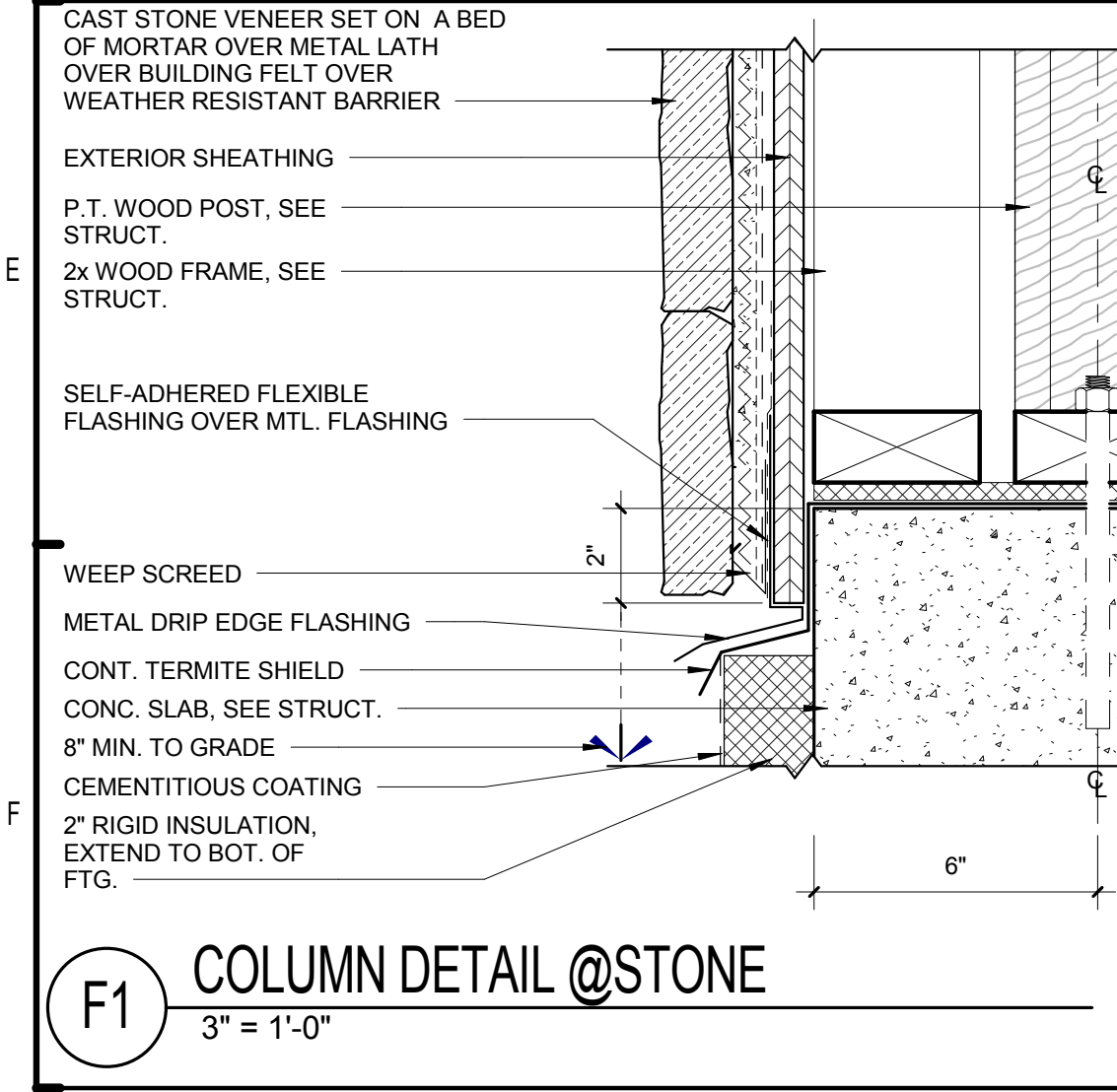
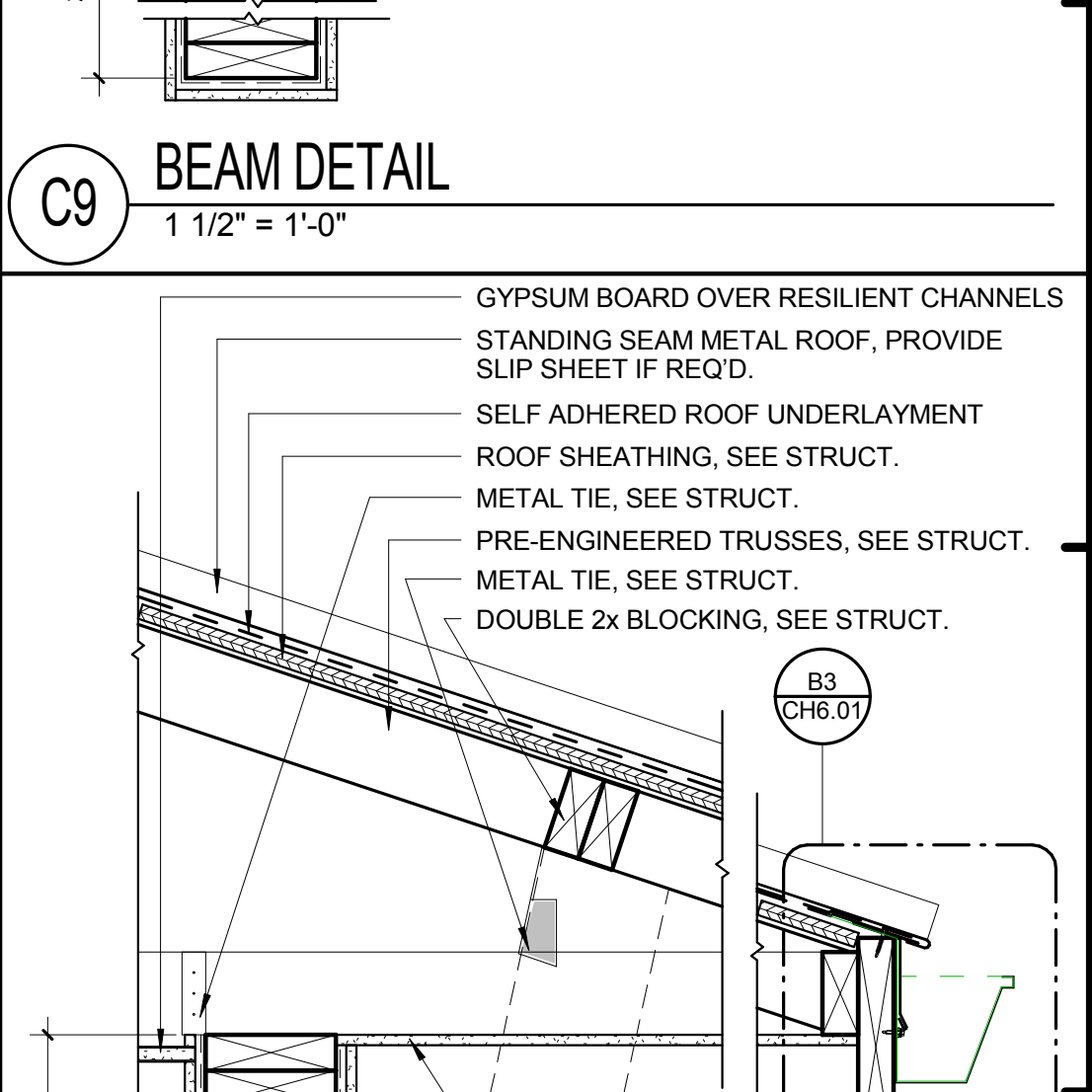
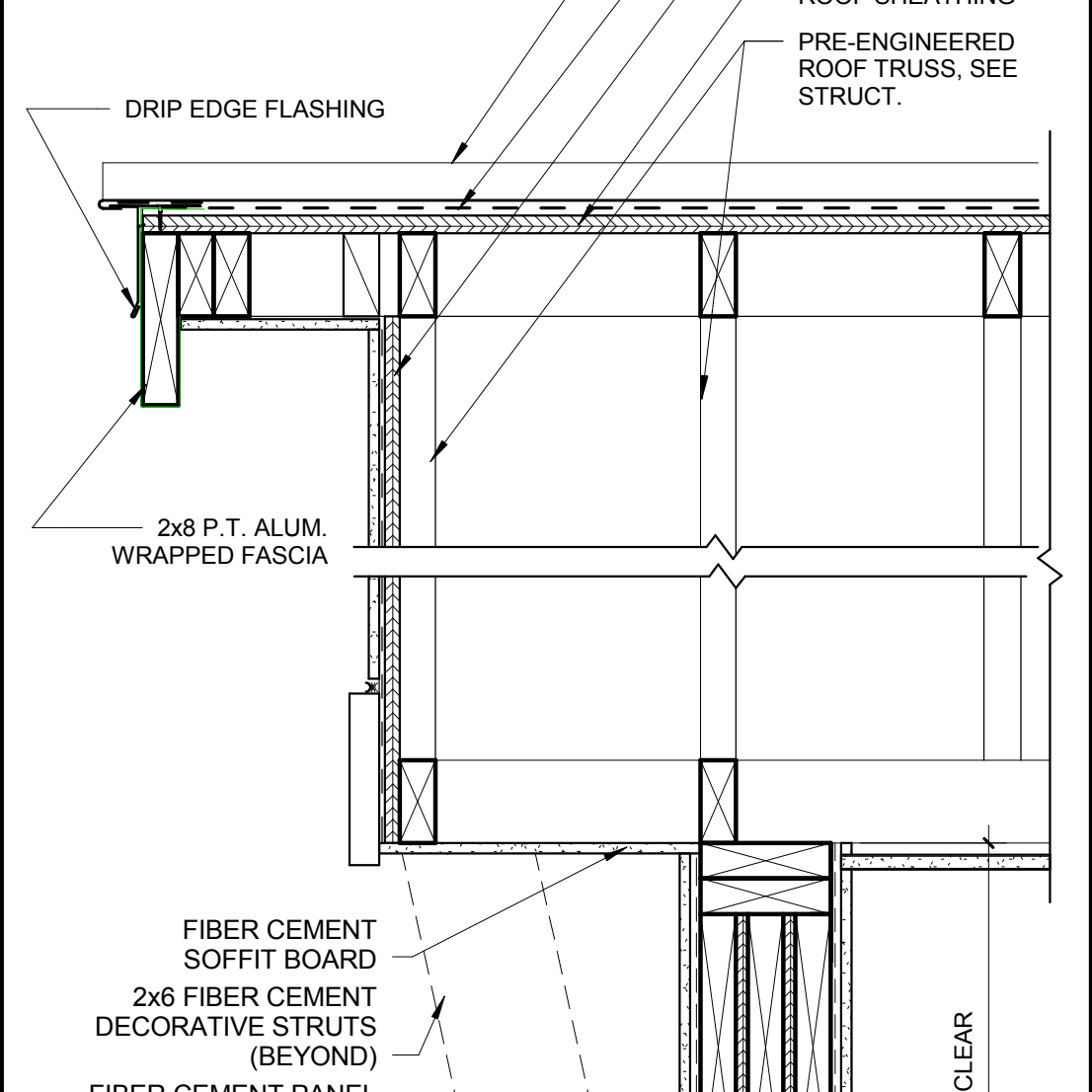
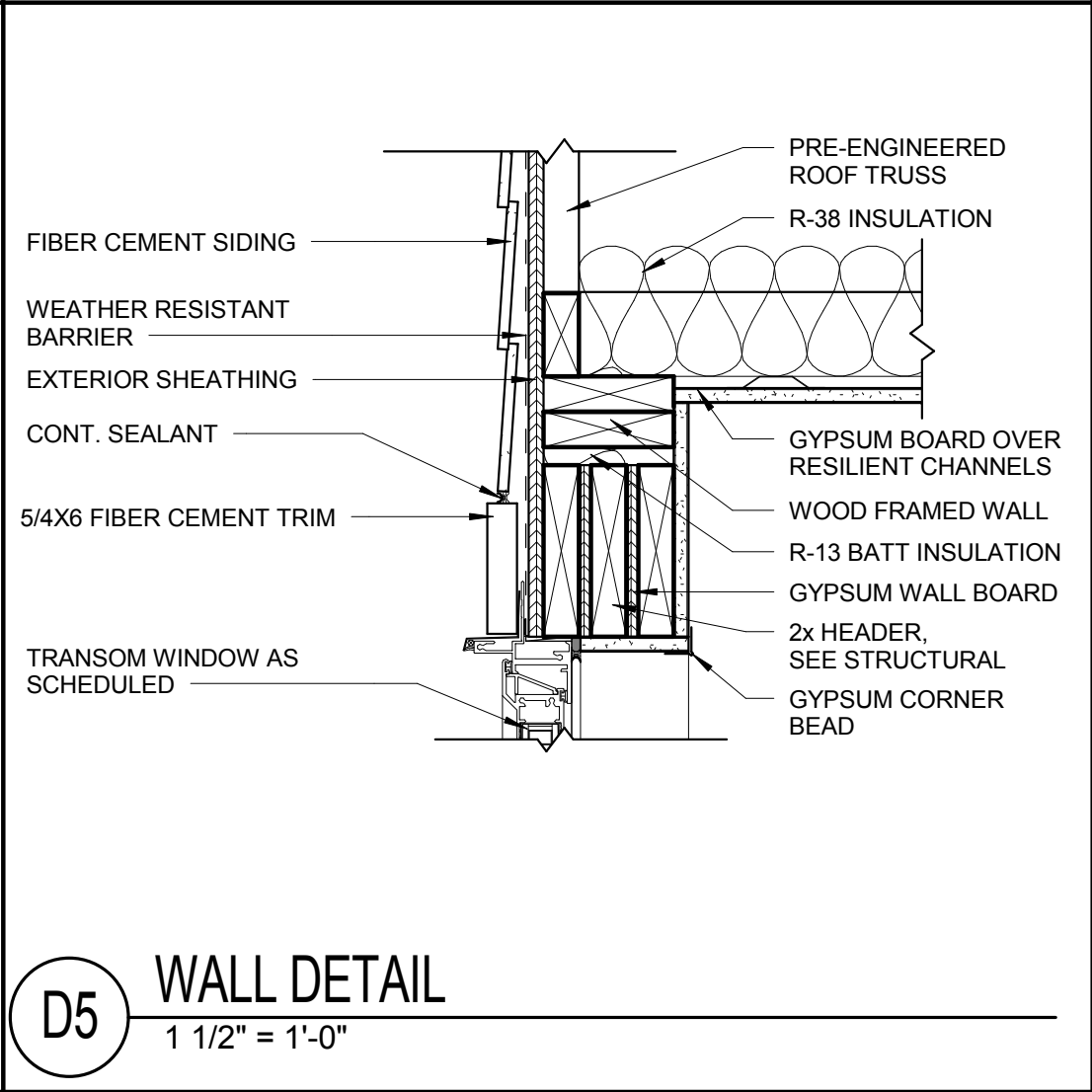
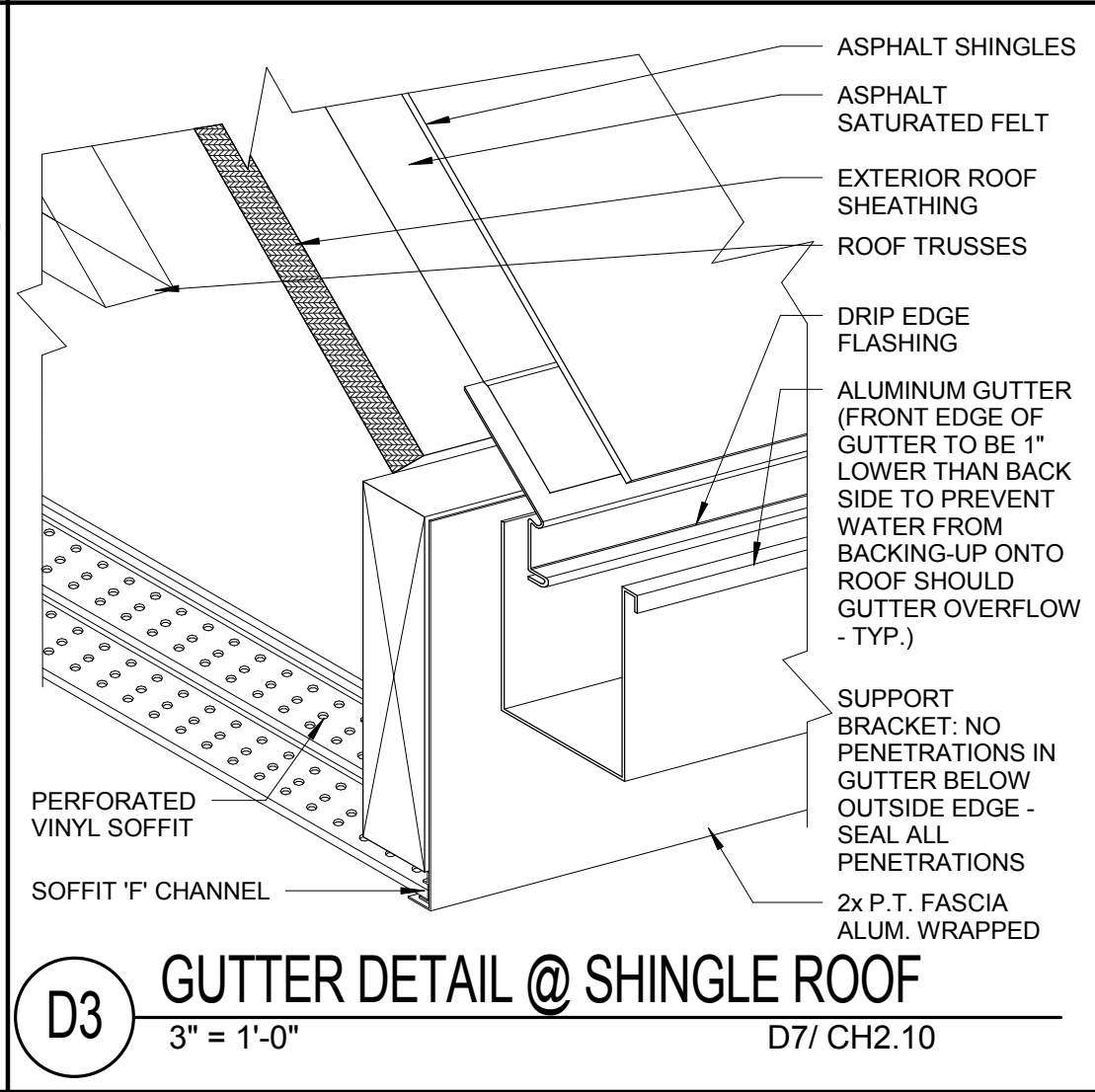
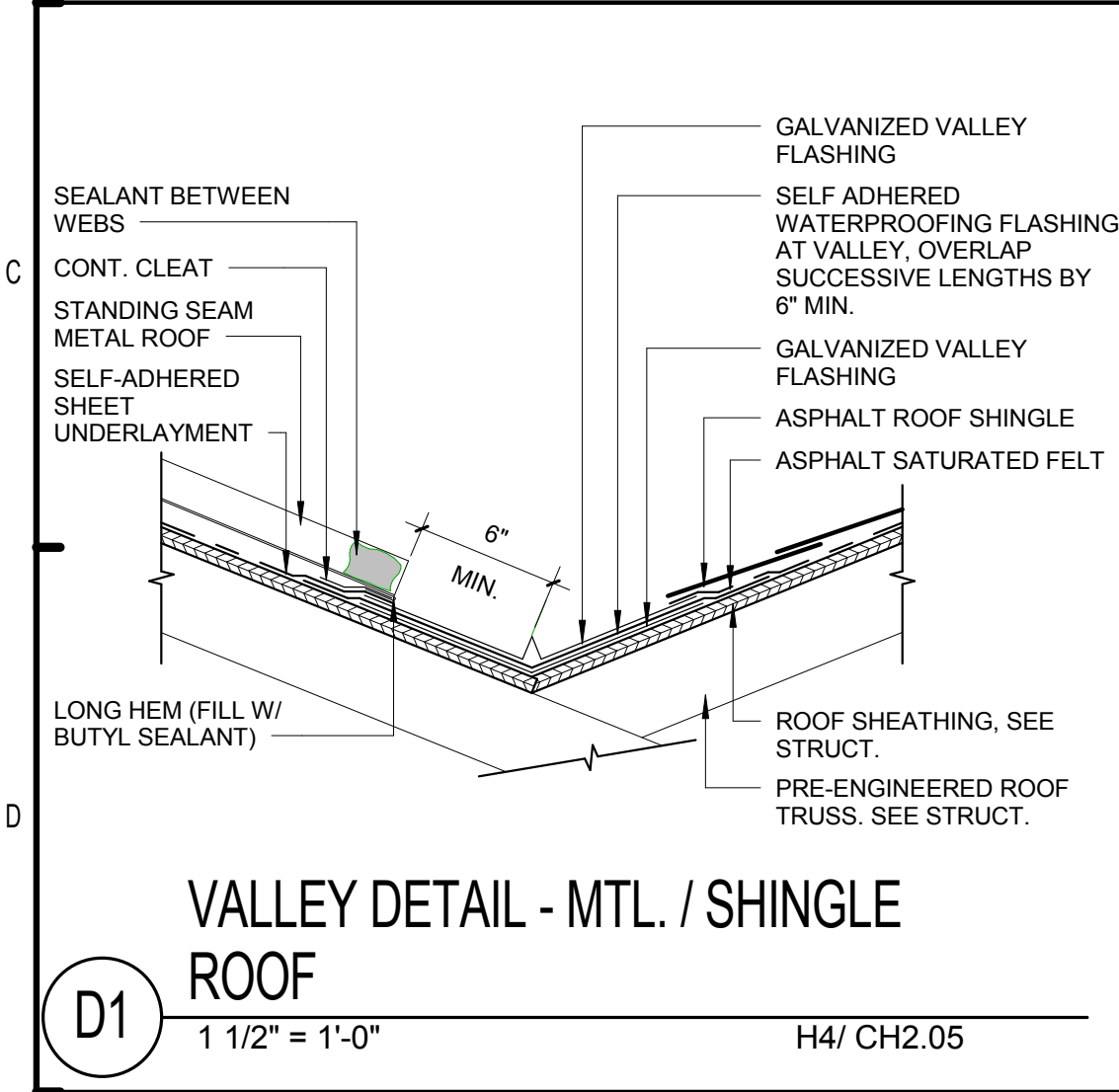
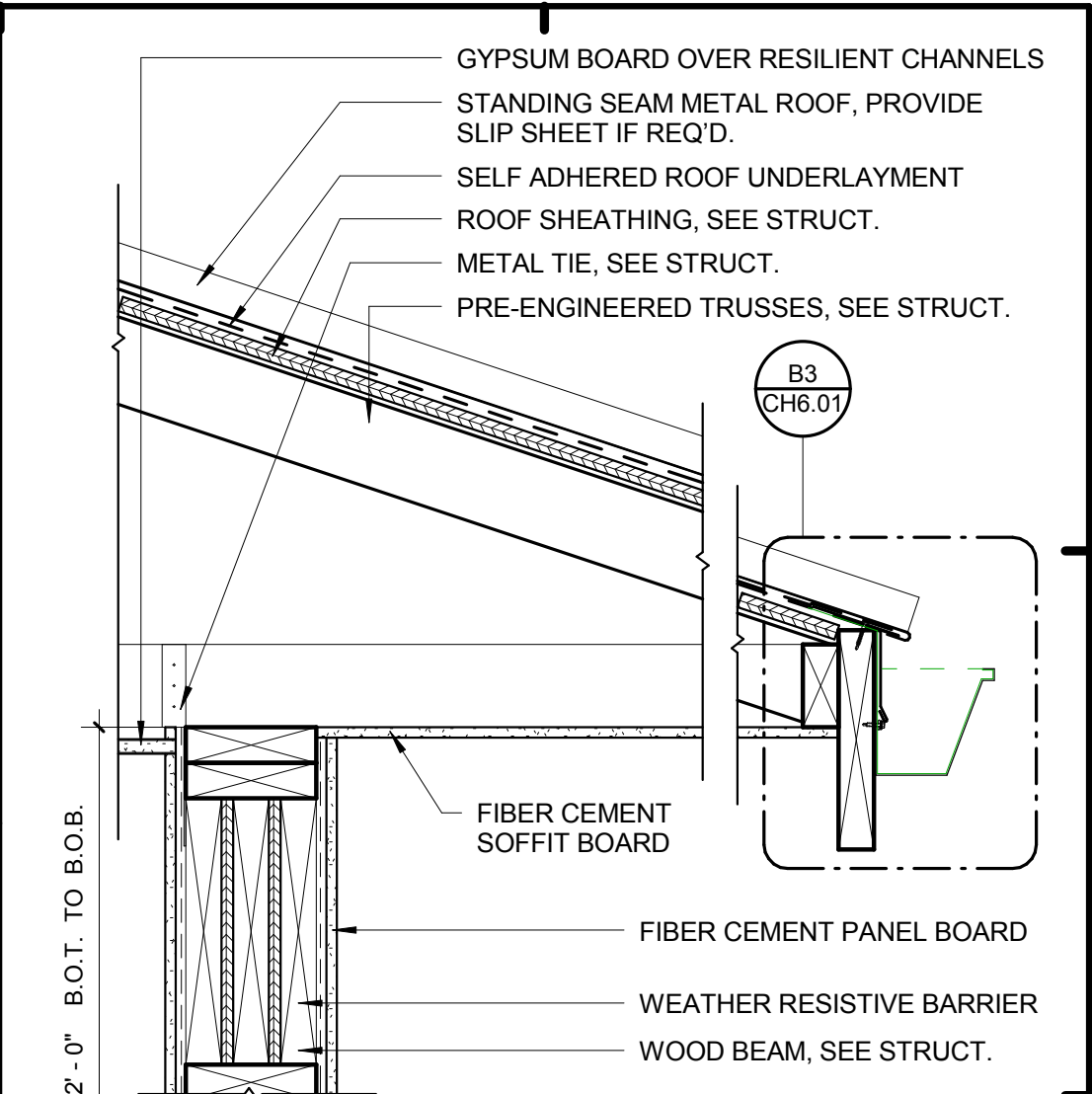
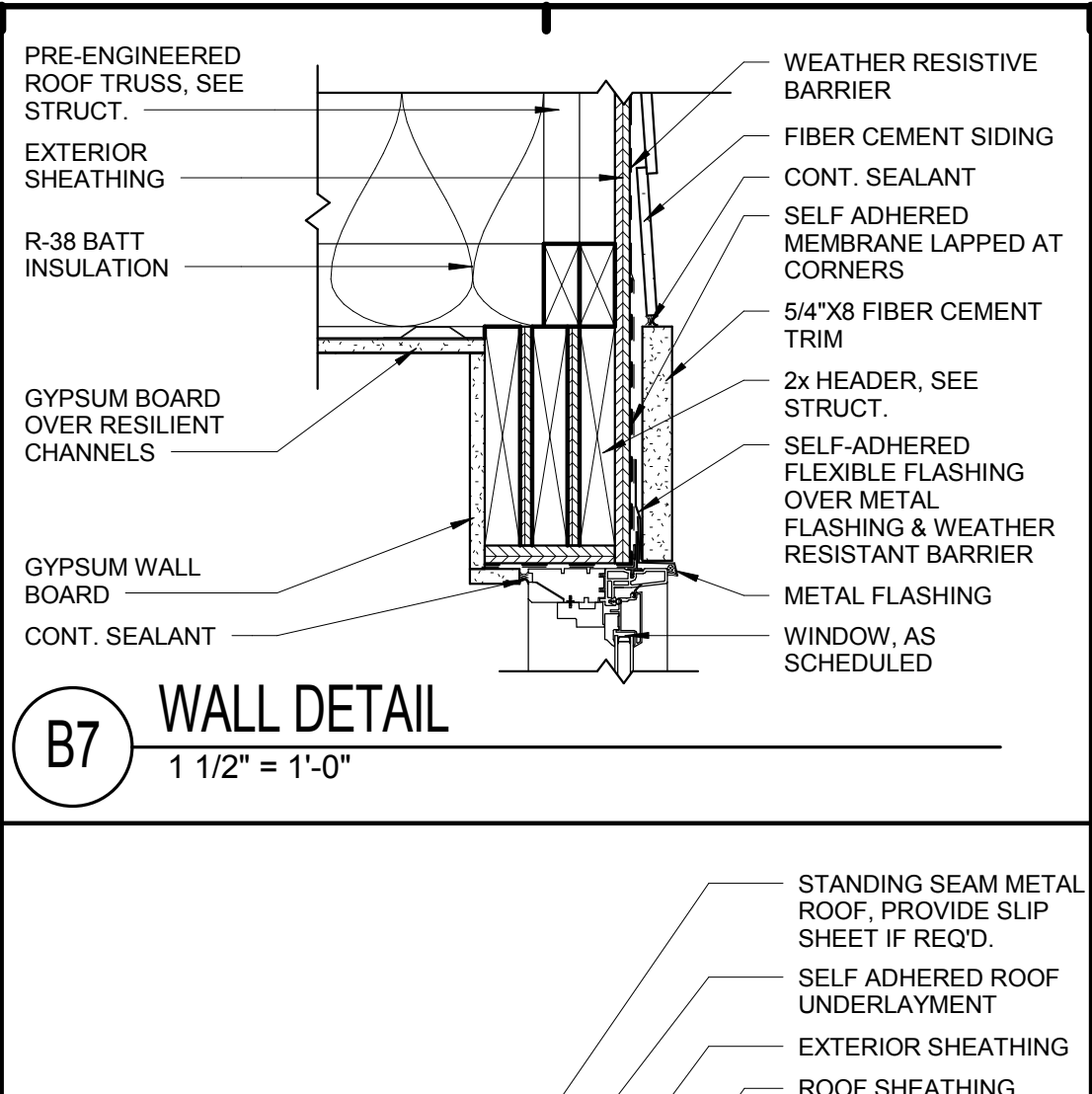
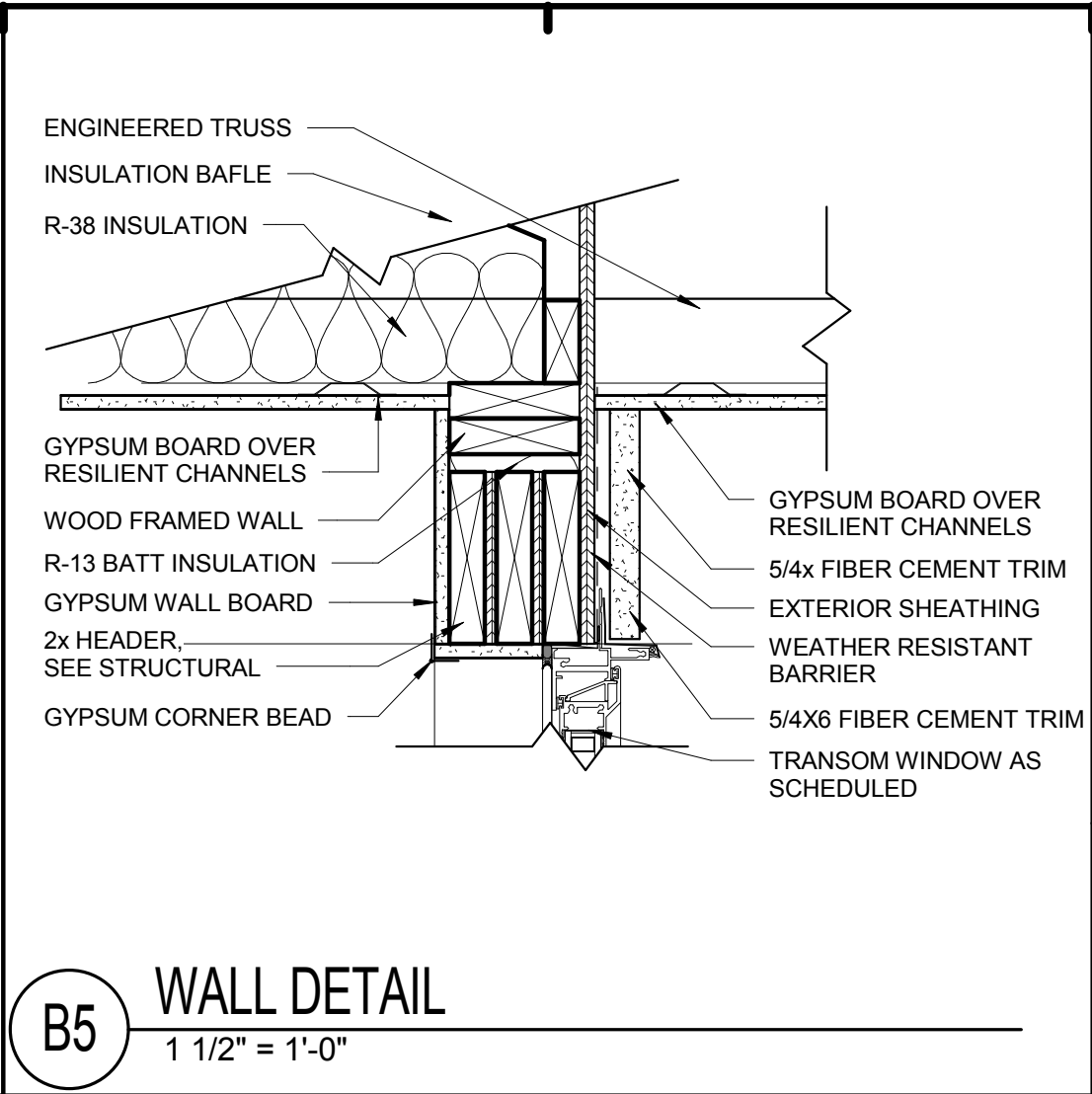
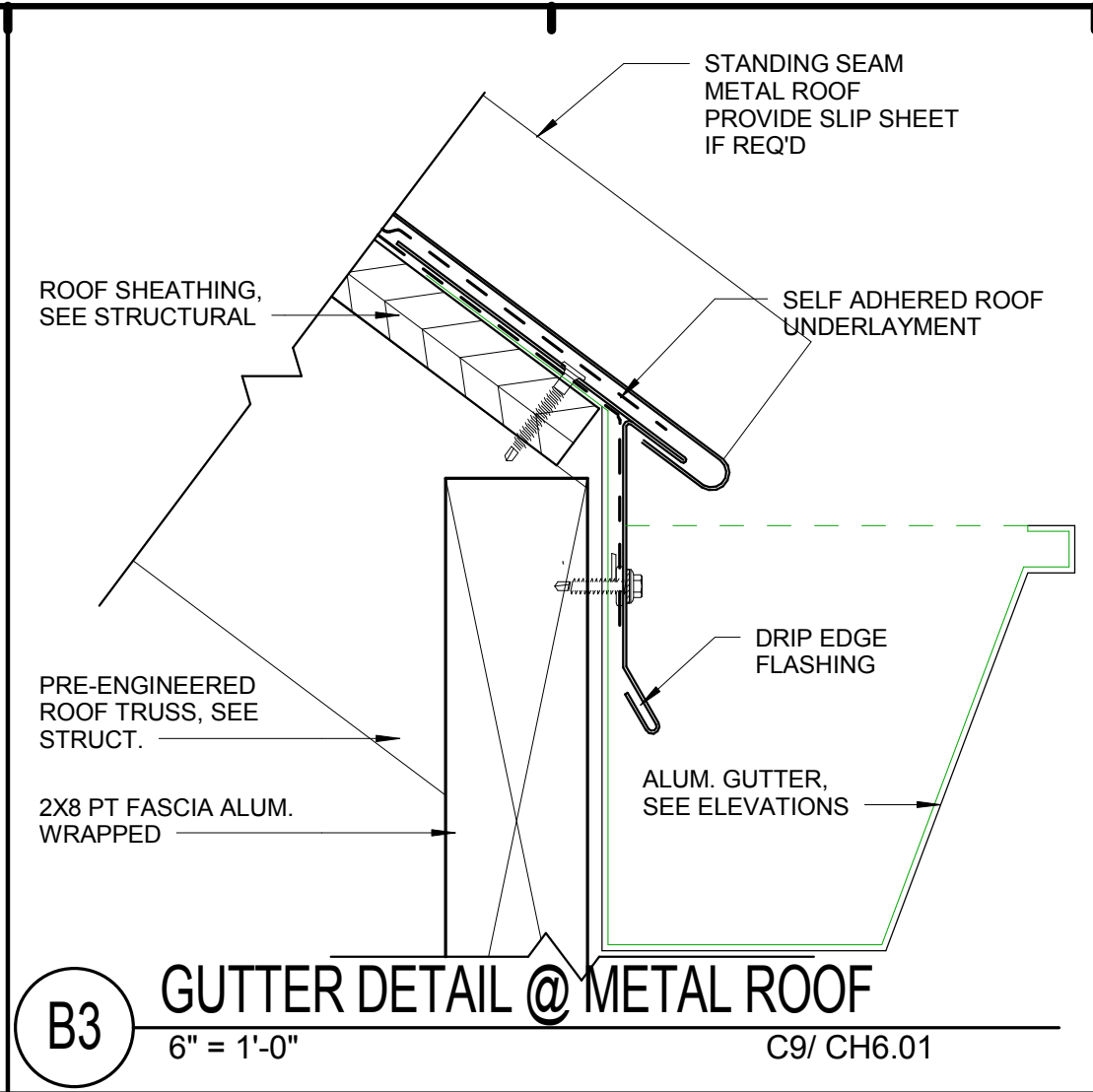
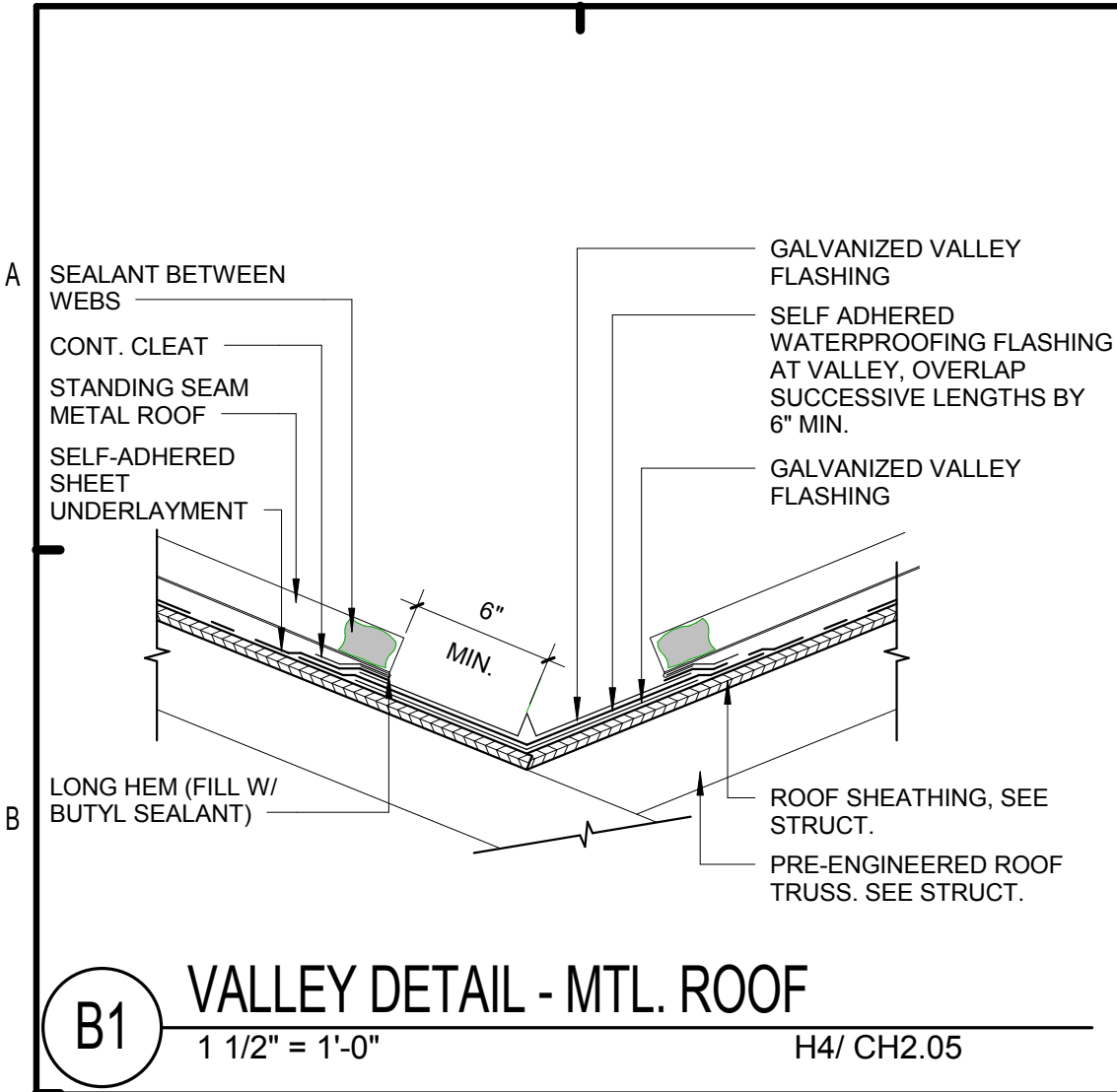
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BRIDGEWAY APARTMENTS CLUBHOUSE CHATTANOGA, TN.	Drawn: FZ Checked: PF Approved: PF Date: 05/01/2013 Project #: 5166.400
	BUILDING SECTIONS
CH5.03	

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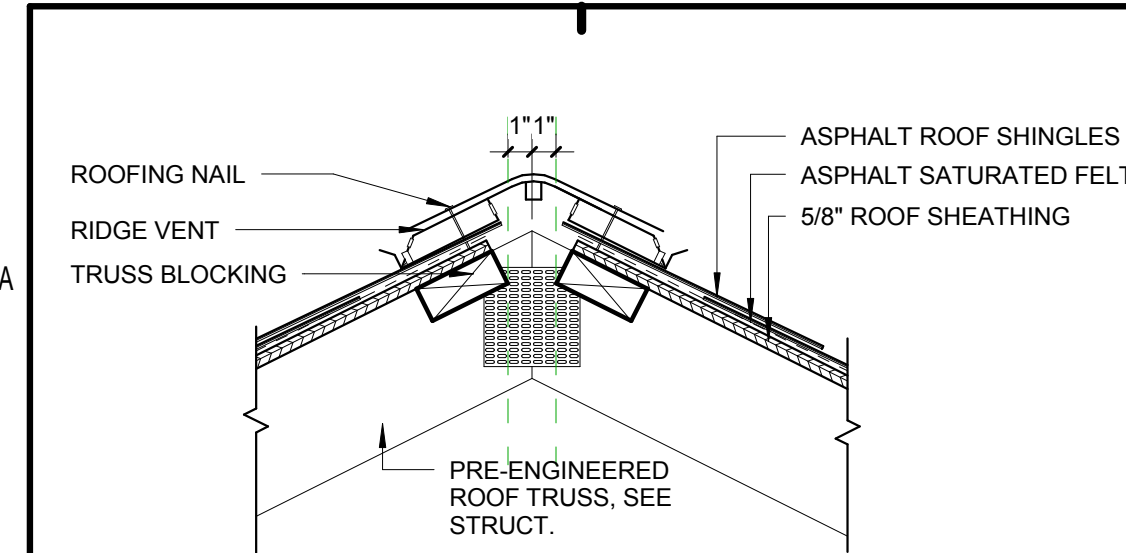
BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOGA, TN

DETAILS

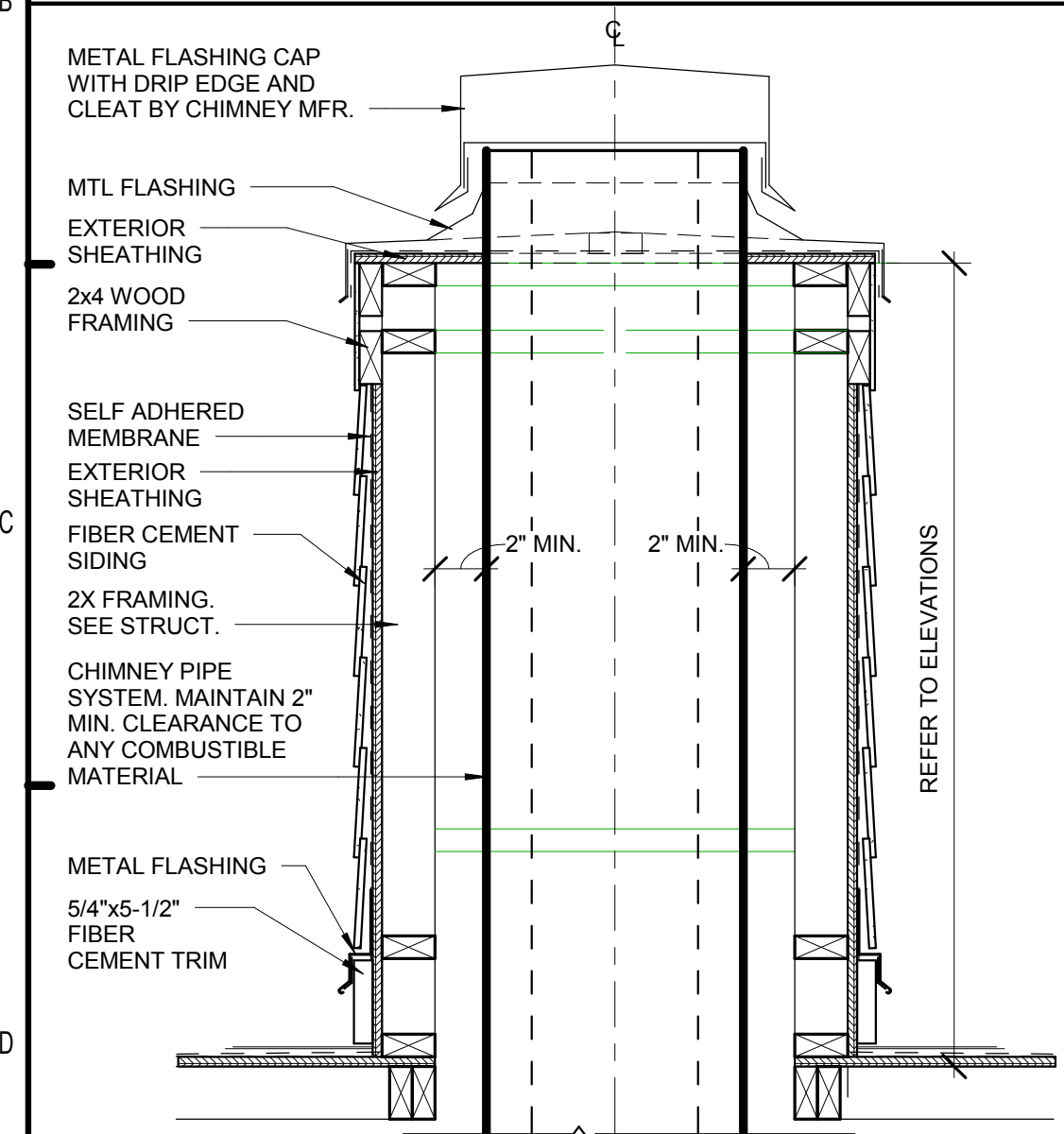
CH6.01

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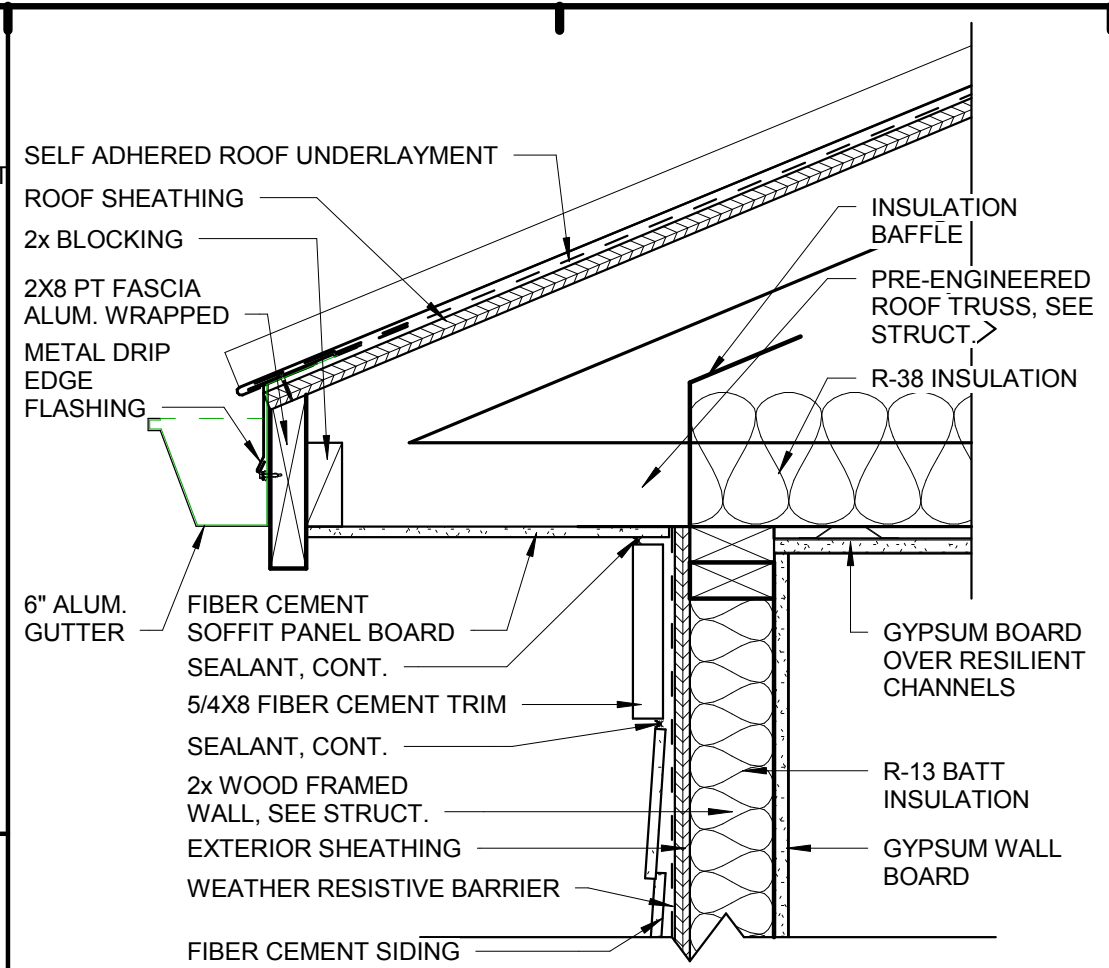
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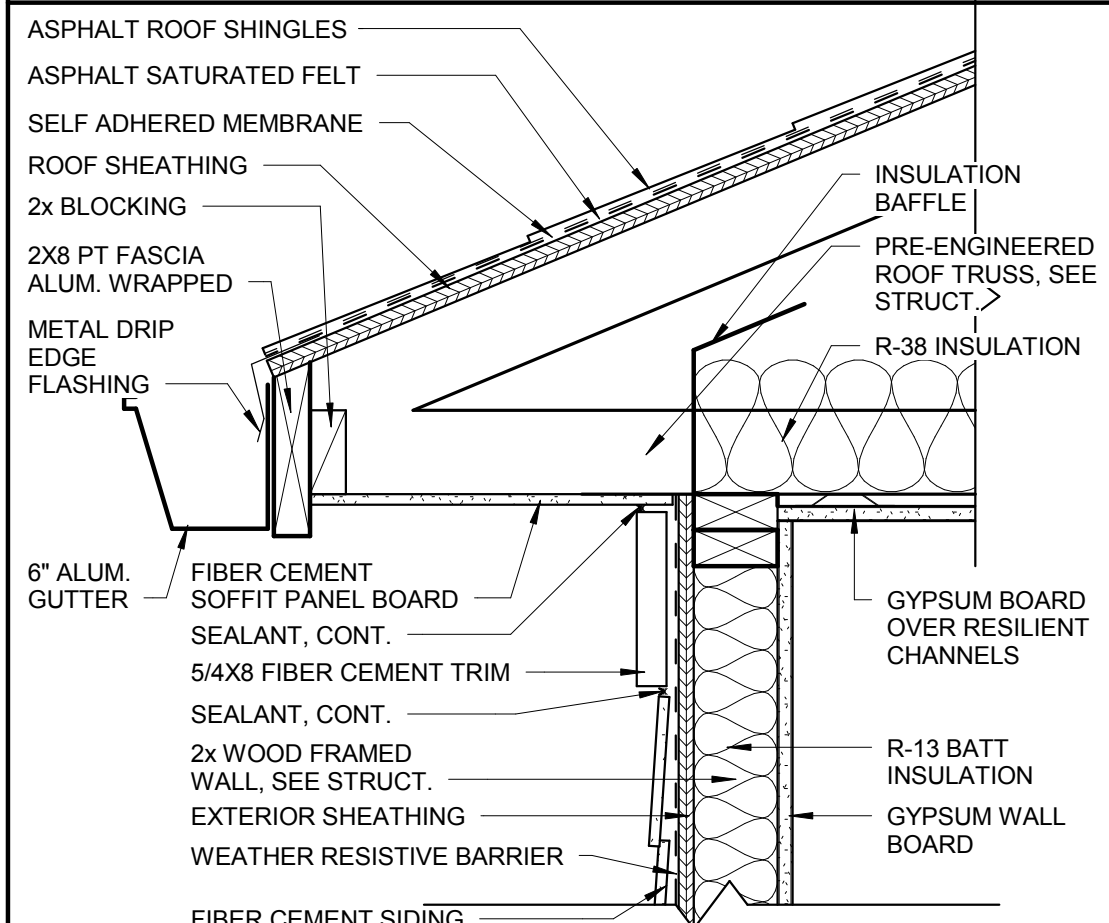
B1 RIDGE VENT - MAINT. BLDG.
1 1/2" = 1'-0"



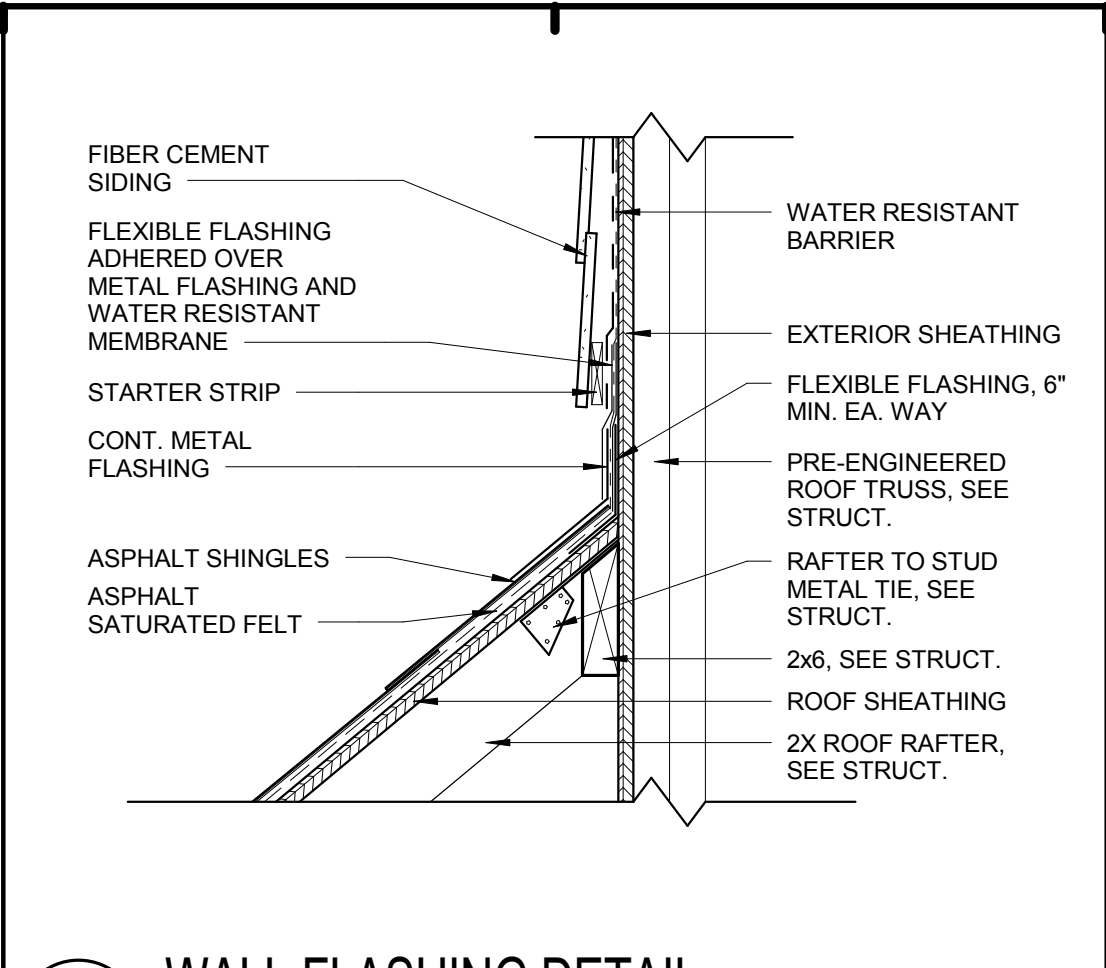
D1 SECTION THROUGH CHIMNEY
1" = 1'-0" H4/ CH2.05



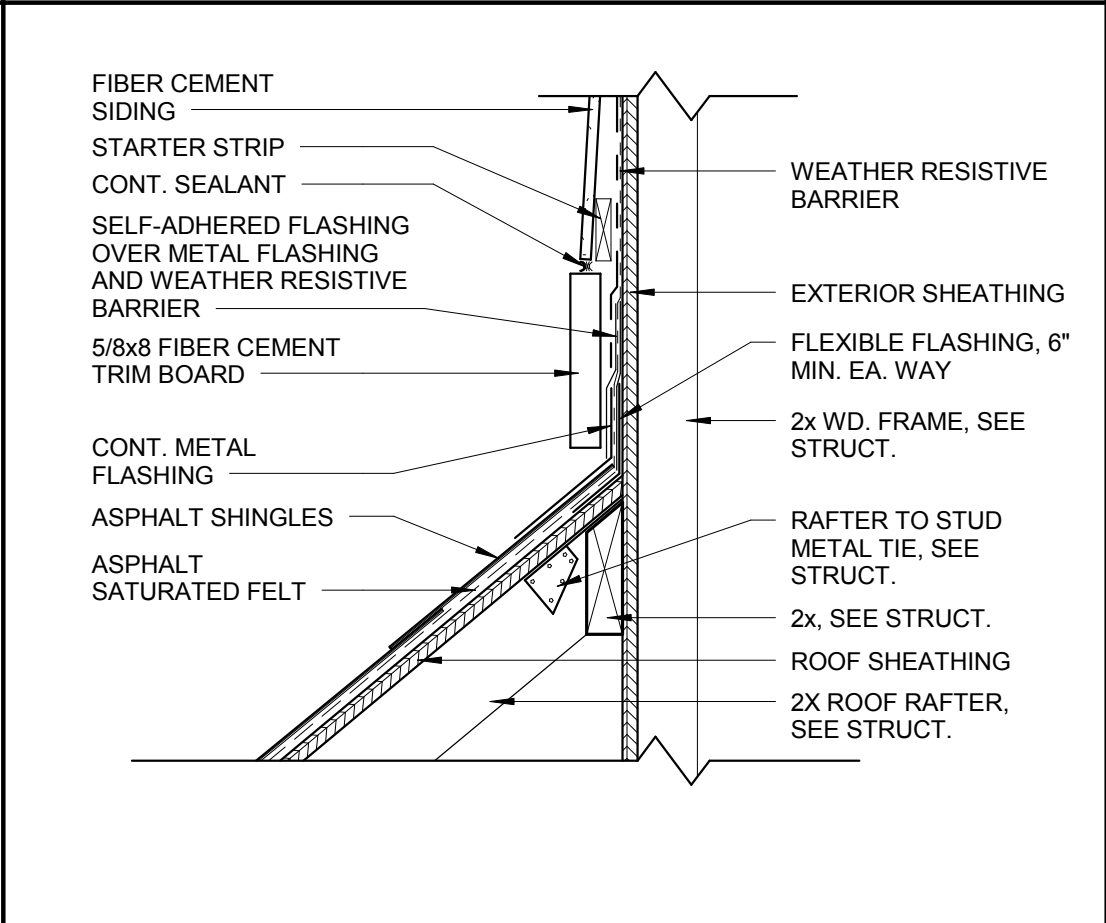
B3 WALL DETAIL
1 1/2" = 1'-0"



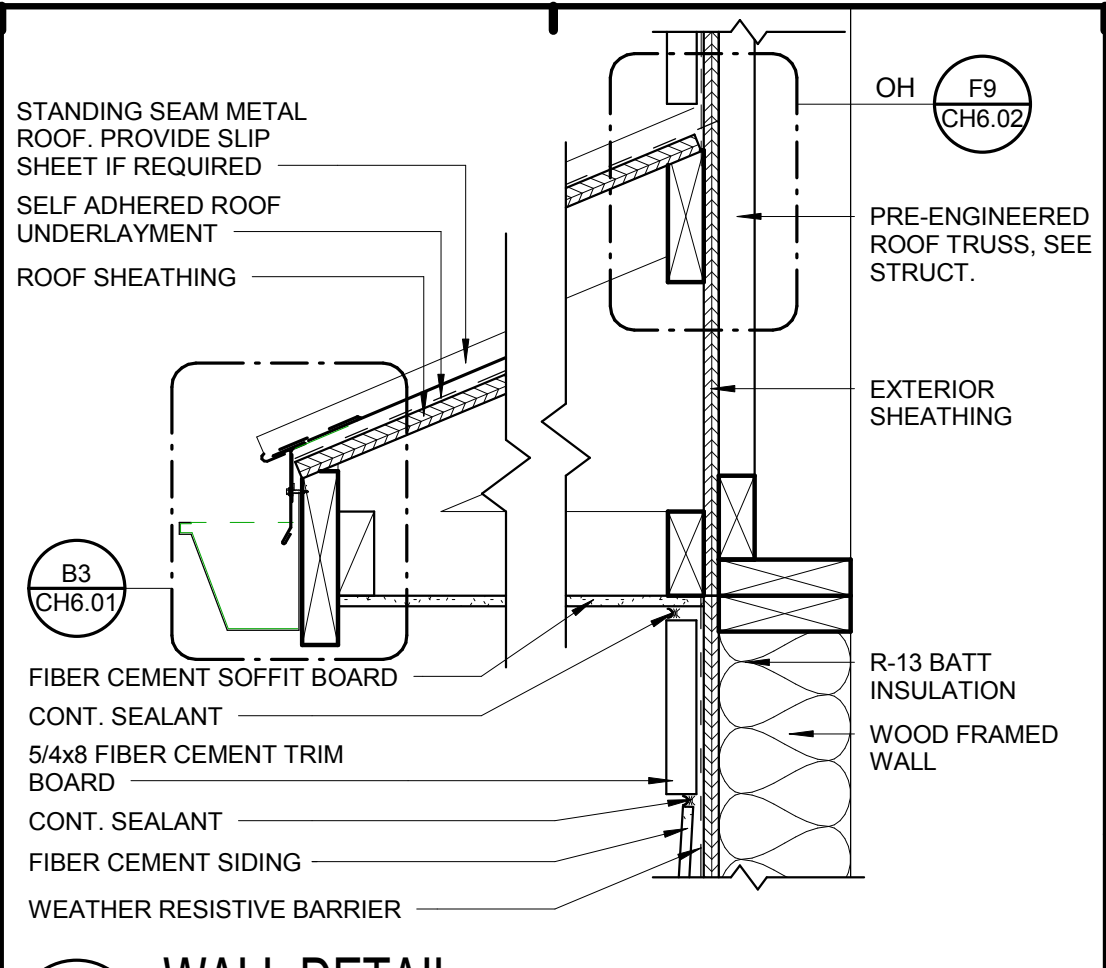
D3 WALL DETAIL
1 1/2" = 1'-0"



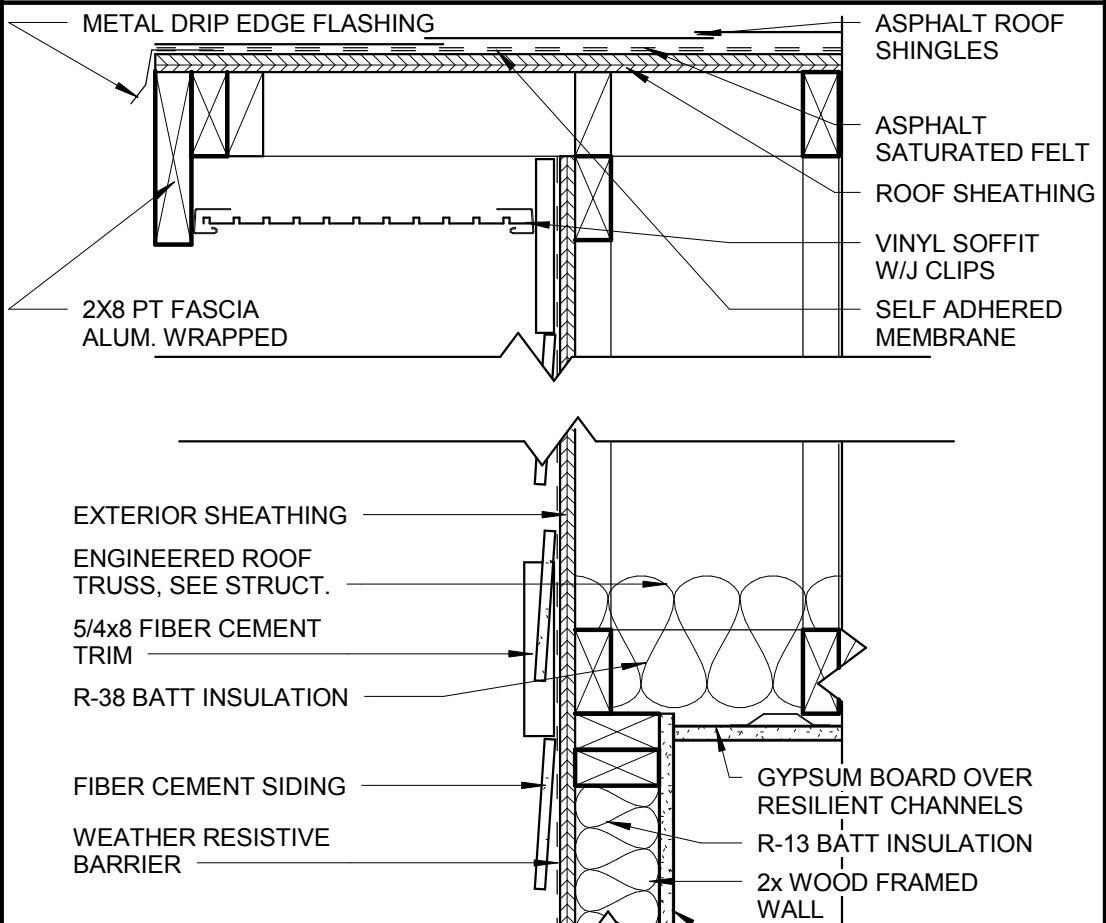
B5 WALL FLASHING DETAIL
1 1/2" = 1'-0" H1/ CH2.10



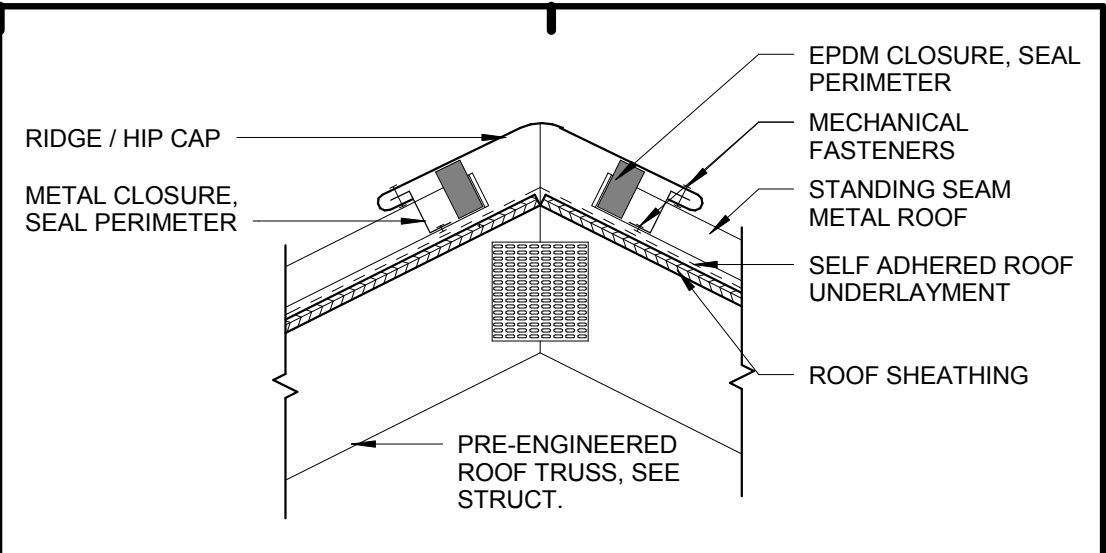
D5 WALL FLASHING DETAIL
1 1/2" = 1'-0" D4/ CH5.02



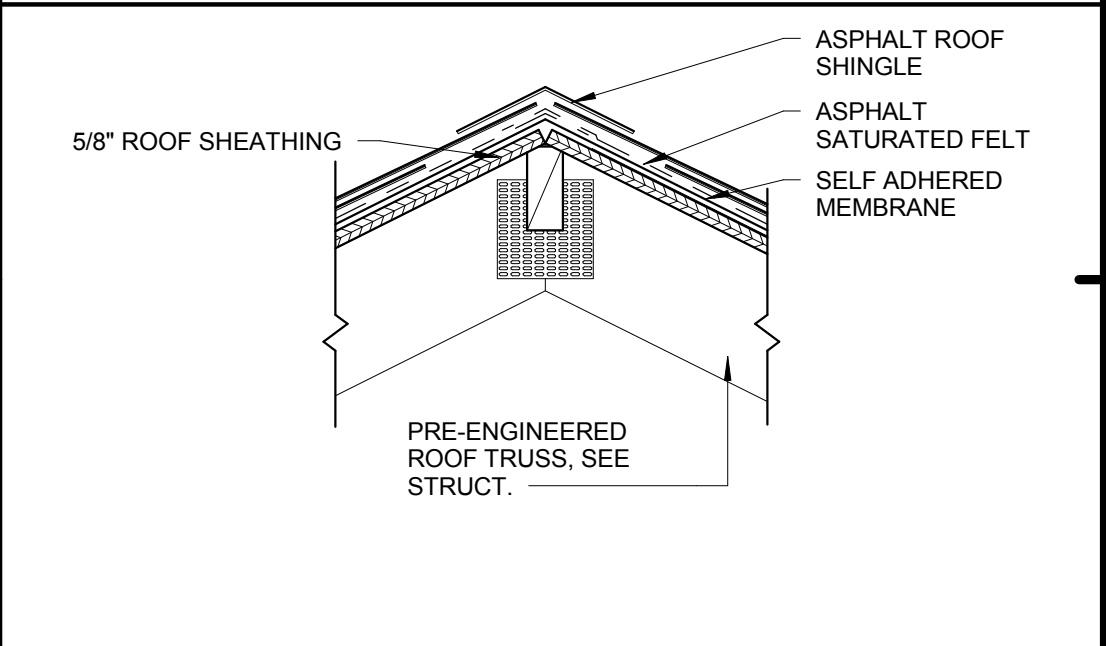
B7 WALL DETAIL
1 1/2" = 1'-0"



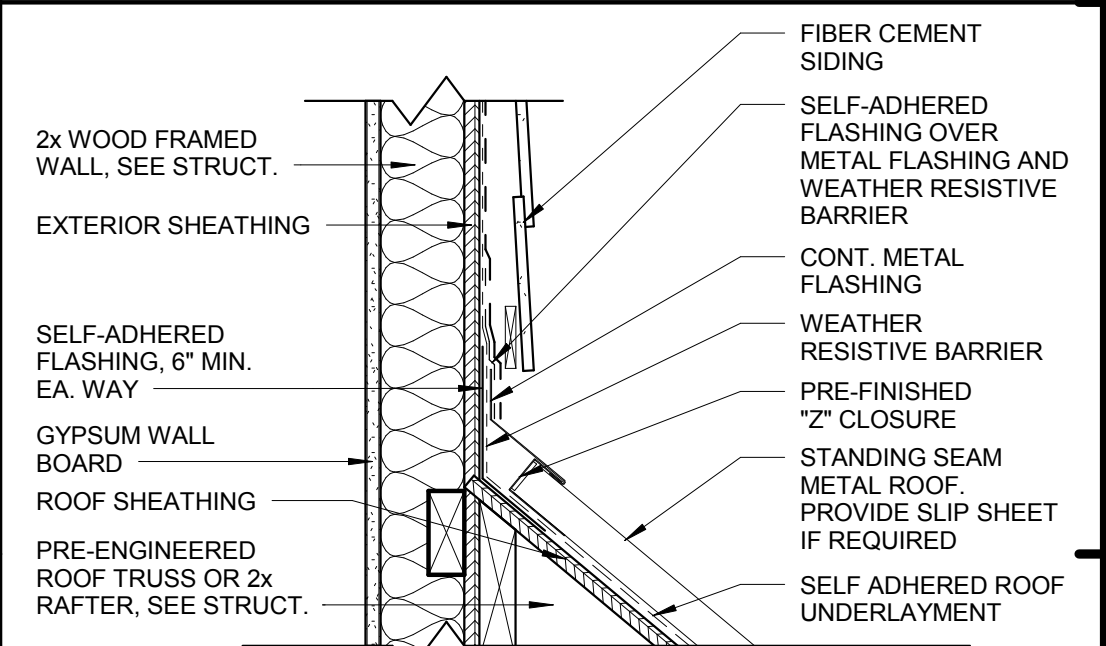
D7 WALL DETAIL - MAINT. BLDG.
1 1/2" = 1'-0"



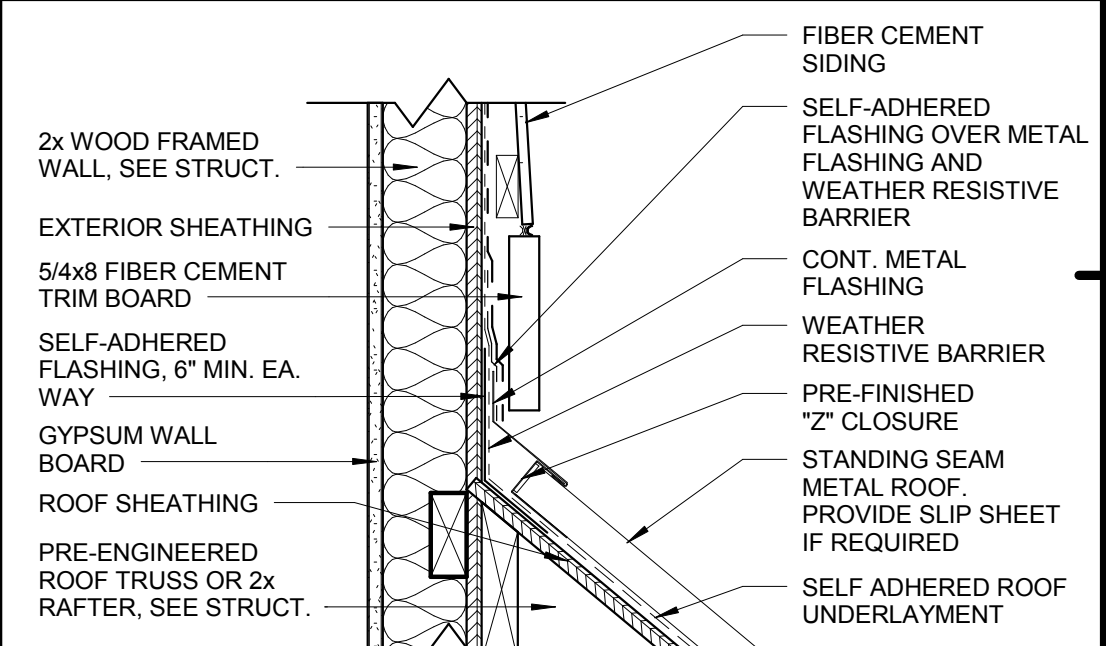
B9 RIDGE / HIP CAP - METAL ROOF
1 1/2" = 1'-0" H4/ CH2.05



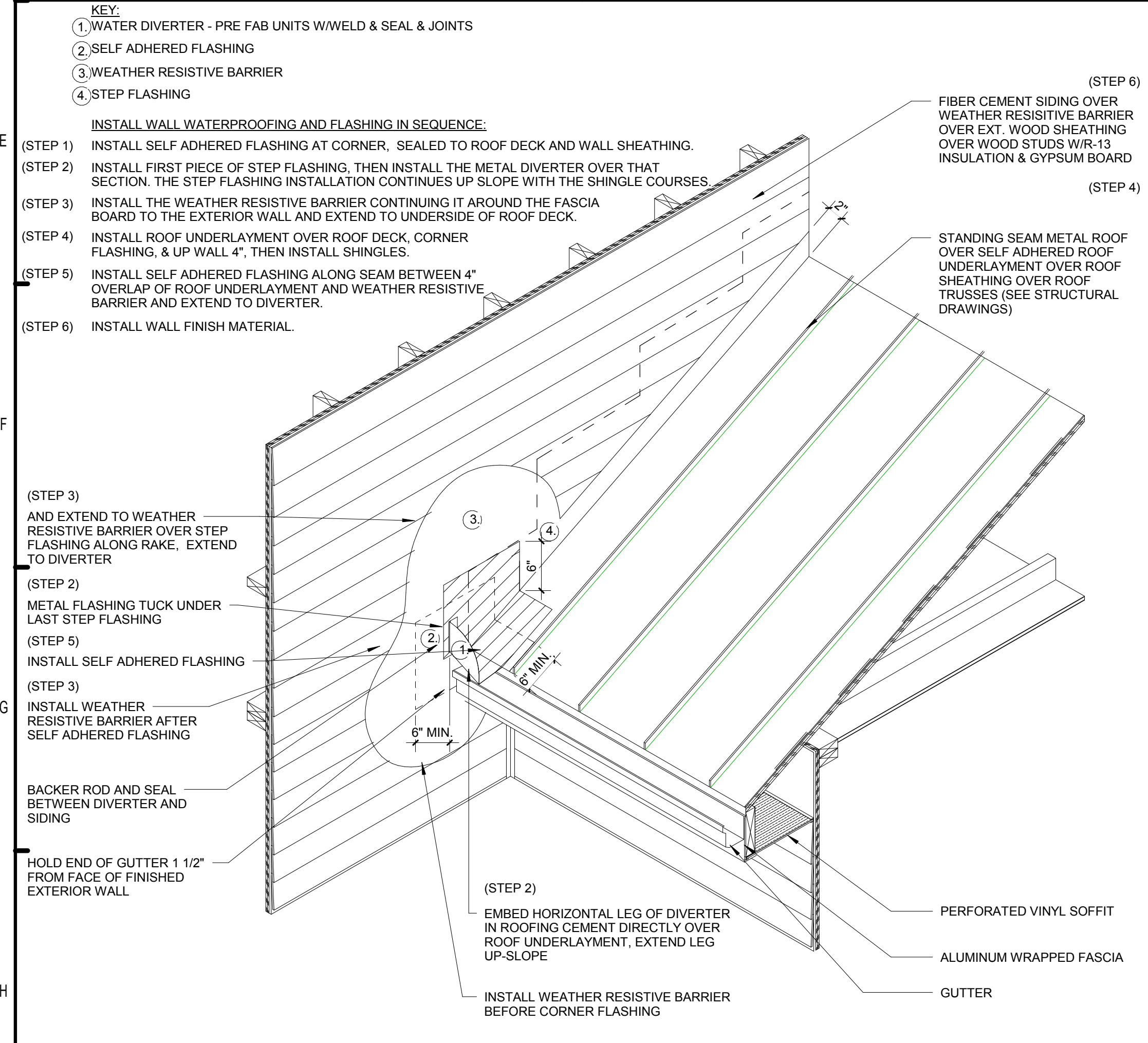
C9 RIDGE - ROOF DETAIL
1 1/2" = 1'-0" D5/ CH5.01



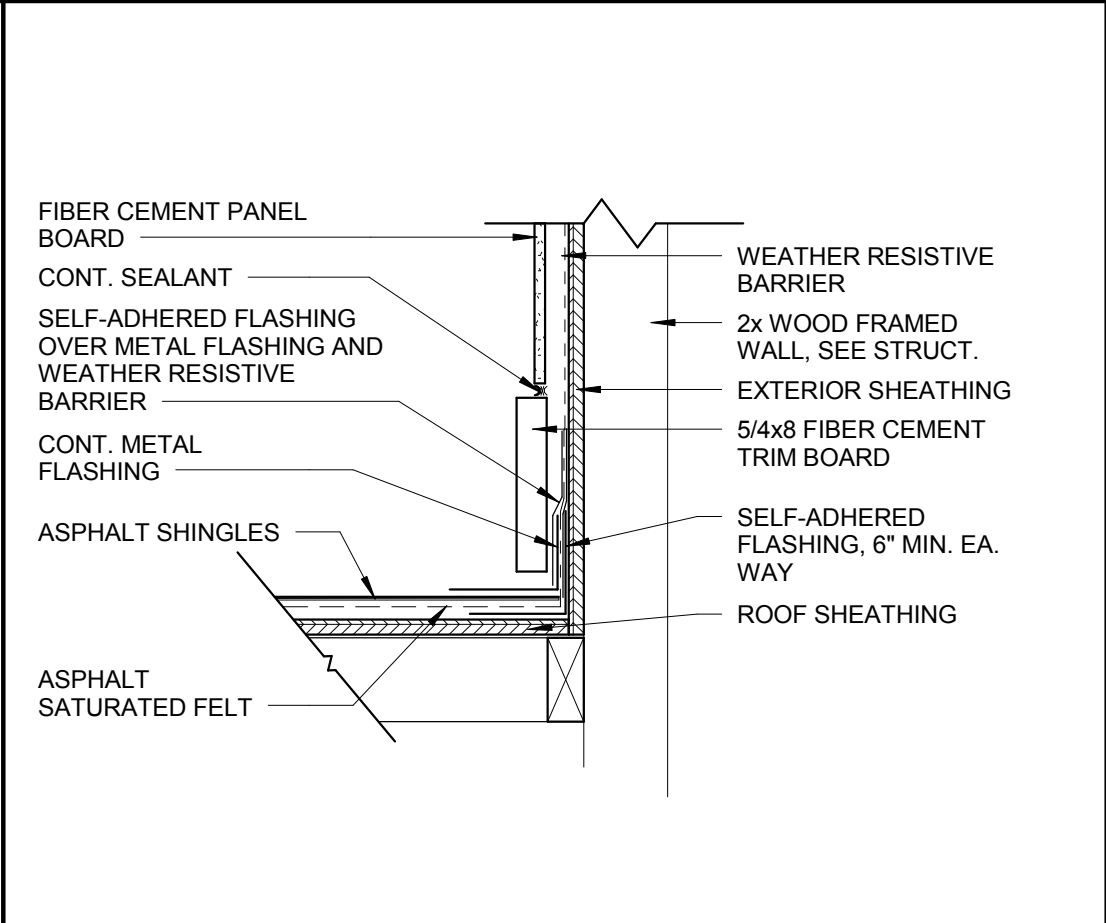
E9 METAL ROOF FLASHING DETAIL
1 1/2" = 1'-0" H4/ CH4.01



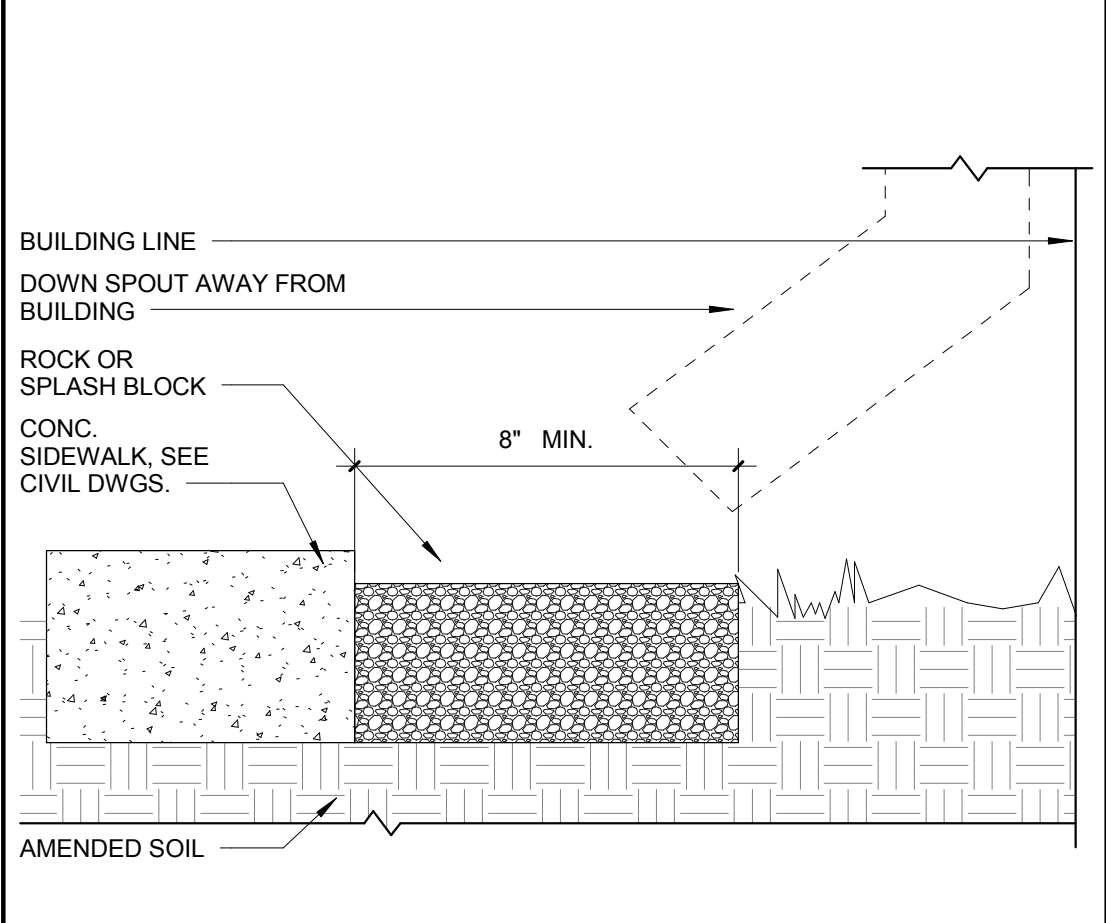
F9 METAL ROOF FLASHING DETAIL
1 1/2" = 1'-0" D4/ CH5.02



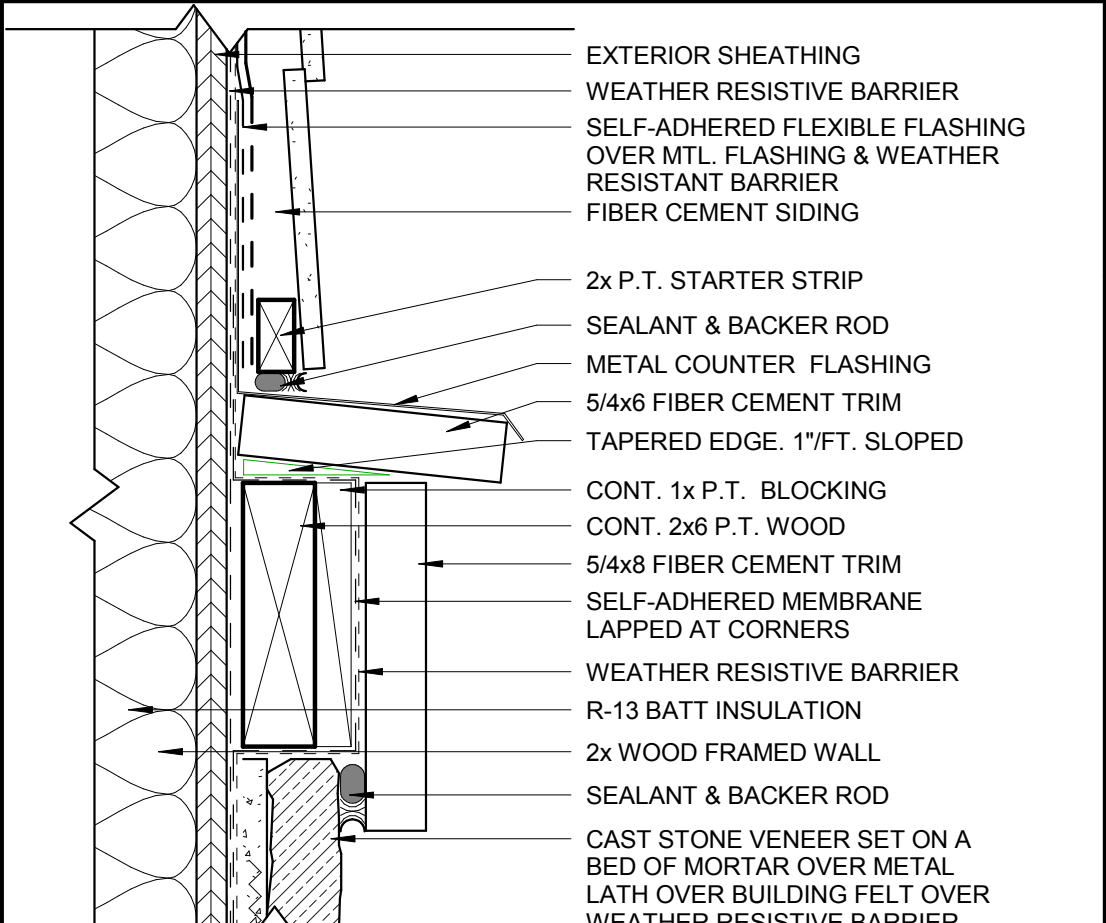
H1 ROOF DETAIL
1" = 1'-0"



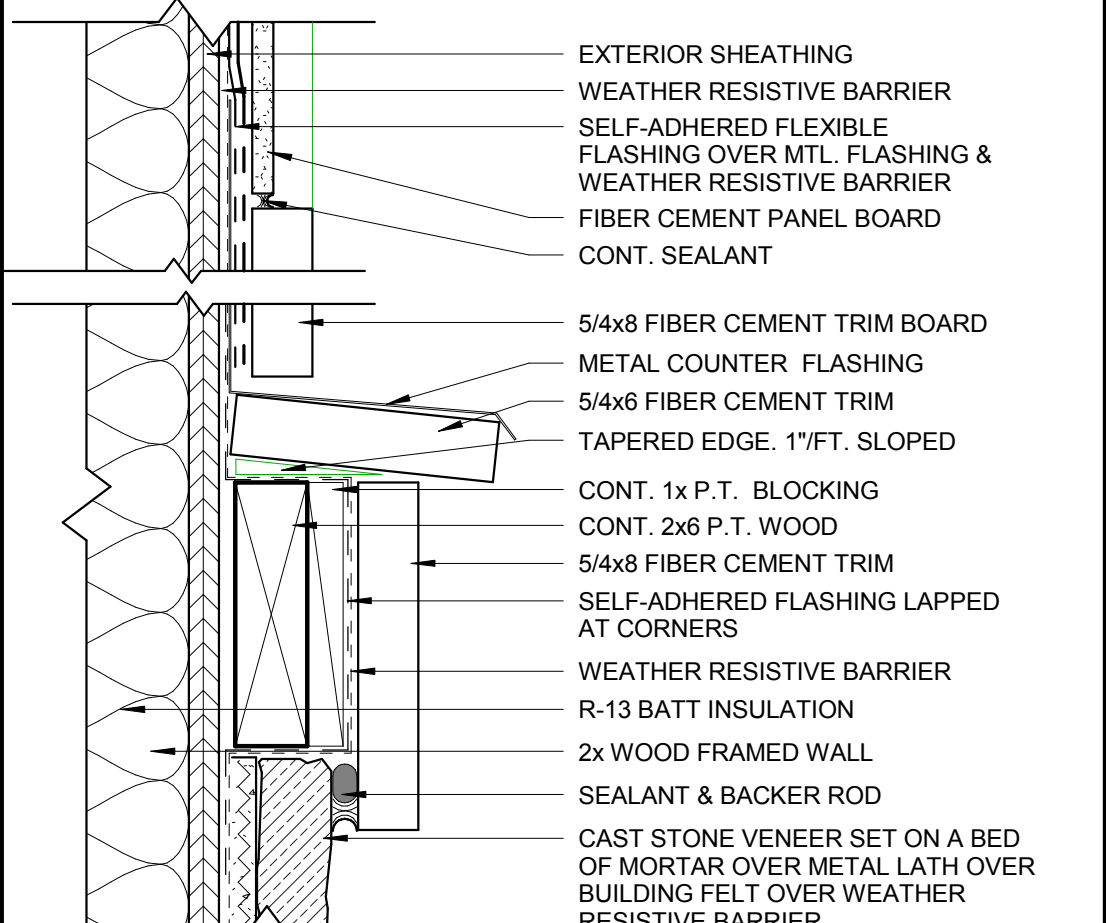
F5 WALL FLASHING DETAIL
1 1/2" = 1'-0" D1/ CH5.03



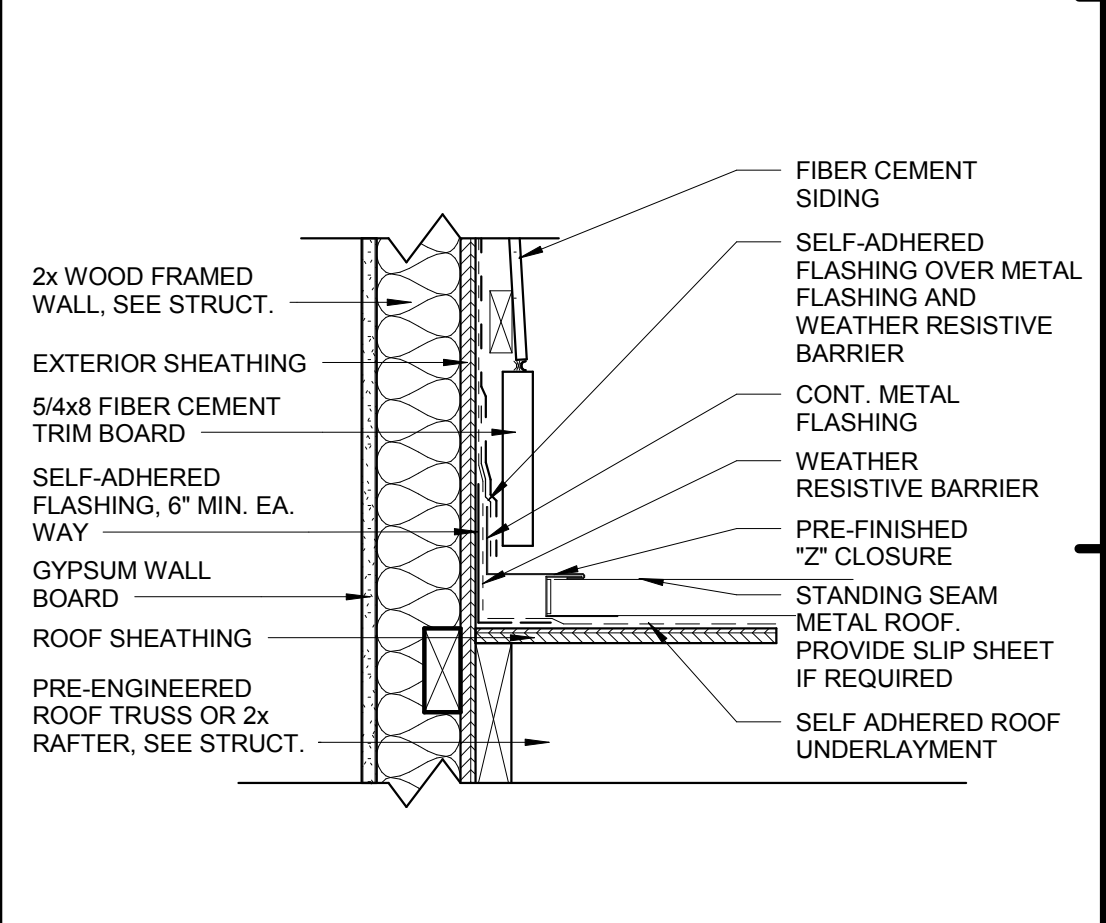
H5 SPLASH BLOCK DETAIL
3" = 1'-0"



F7 WATER TABLE DTL. @ F.C. SIDING
3" = 1'-0" D5/ CH5.01



H7 WATER TABLE DTL. @ COLUMN
3" = 1'-0" D1/ CH5.01



H9 METAL ROOF FLASHING DETAIL
1 1/2" = 1'-0" D5/ CH5.01

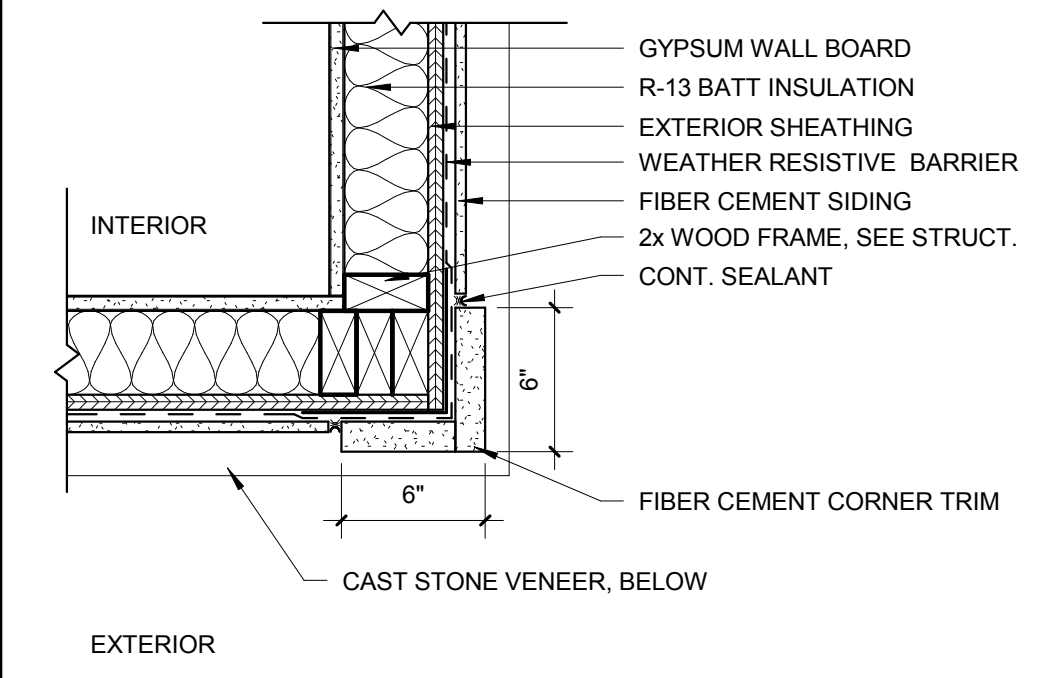
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No.	Date	Description
1	05/31/13	PERMIT REVIEW ISSUE

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No.	Date	Description

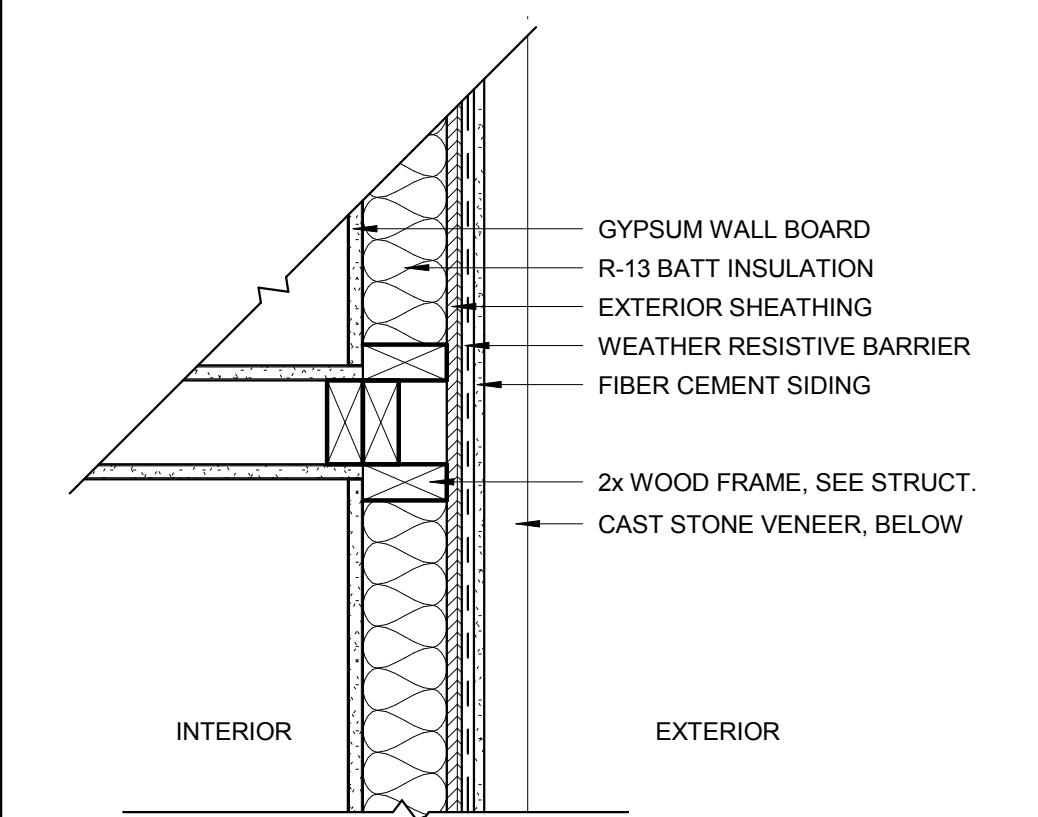
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BRIDGEWAY APARTMENTS CLUBHOUSE
 CHATTANOOGA, TN.
DETAILS
 CH6.02

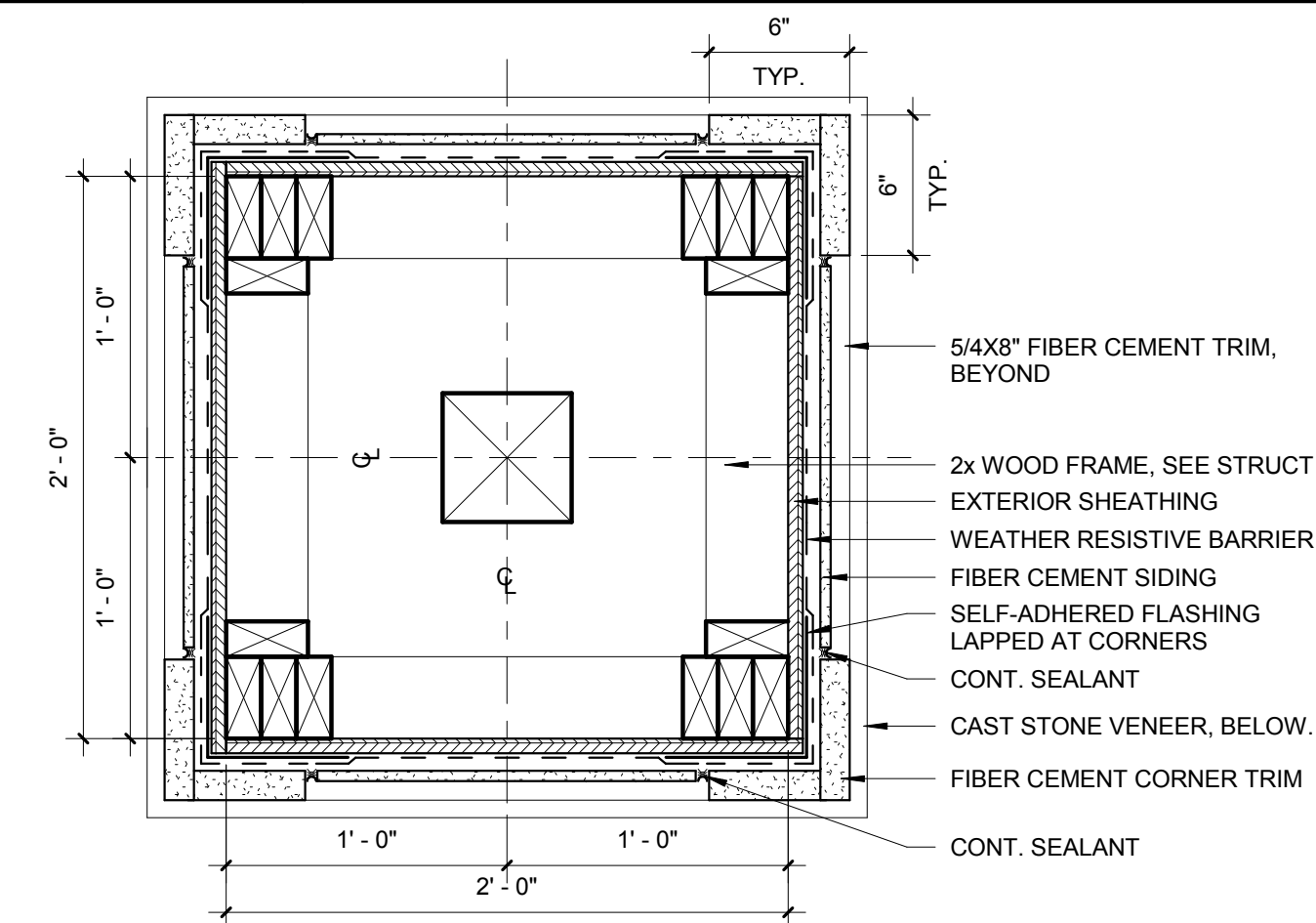
PATRICK D. FRICH
 LICENSE # 103195
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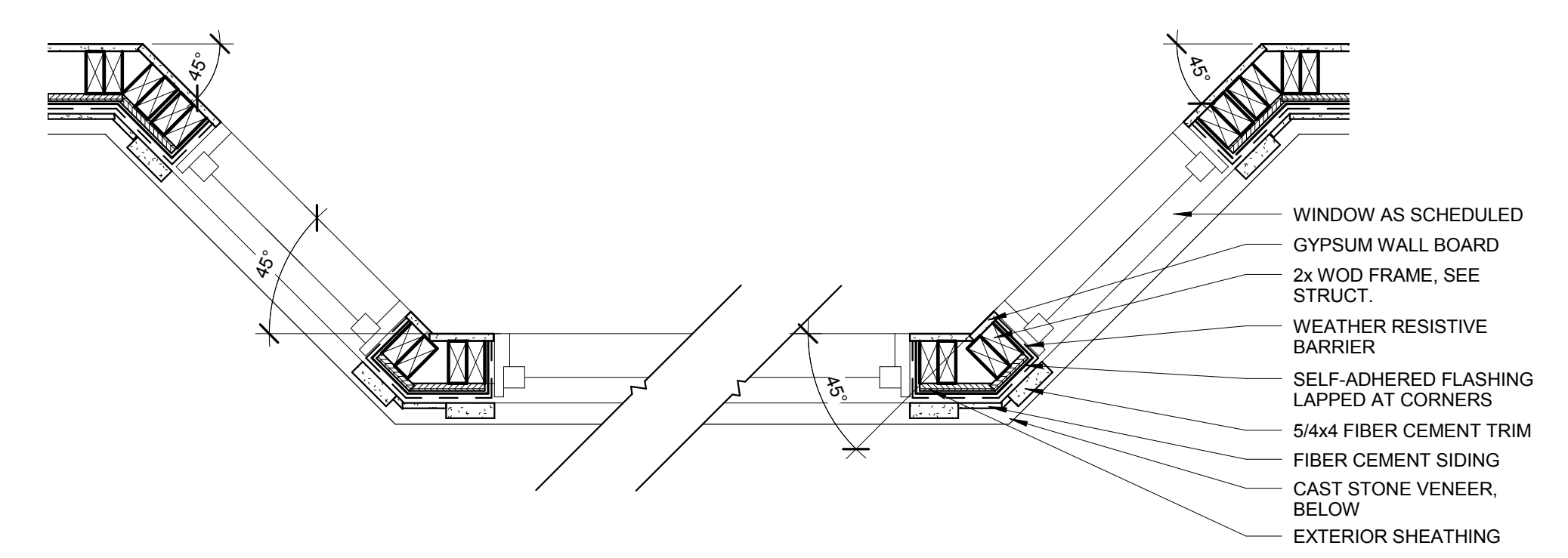
B9 PLAN DETAIL
 1 1/2" = 1'-0" D1/ CH2.01



D9 PLAN DETAIL
 1 1/2" = 1'-0" H4/ CH2.01



F8 PLAN DETAIL - TYP. COLUMN
 1 1/2" = 1'-0" D1/ CH2.01



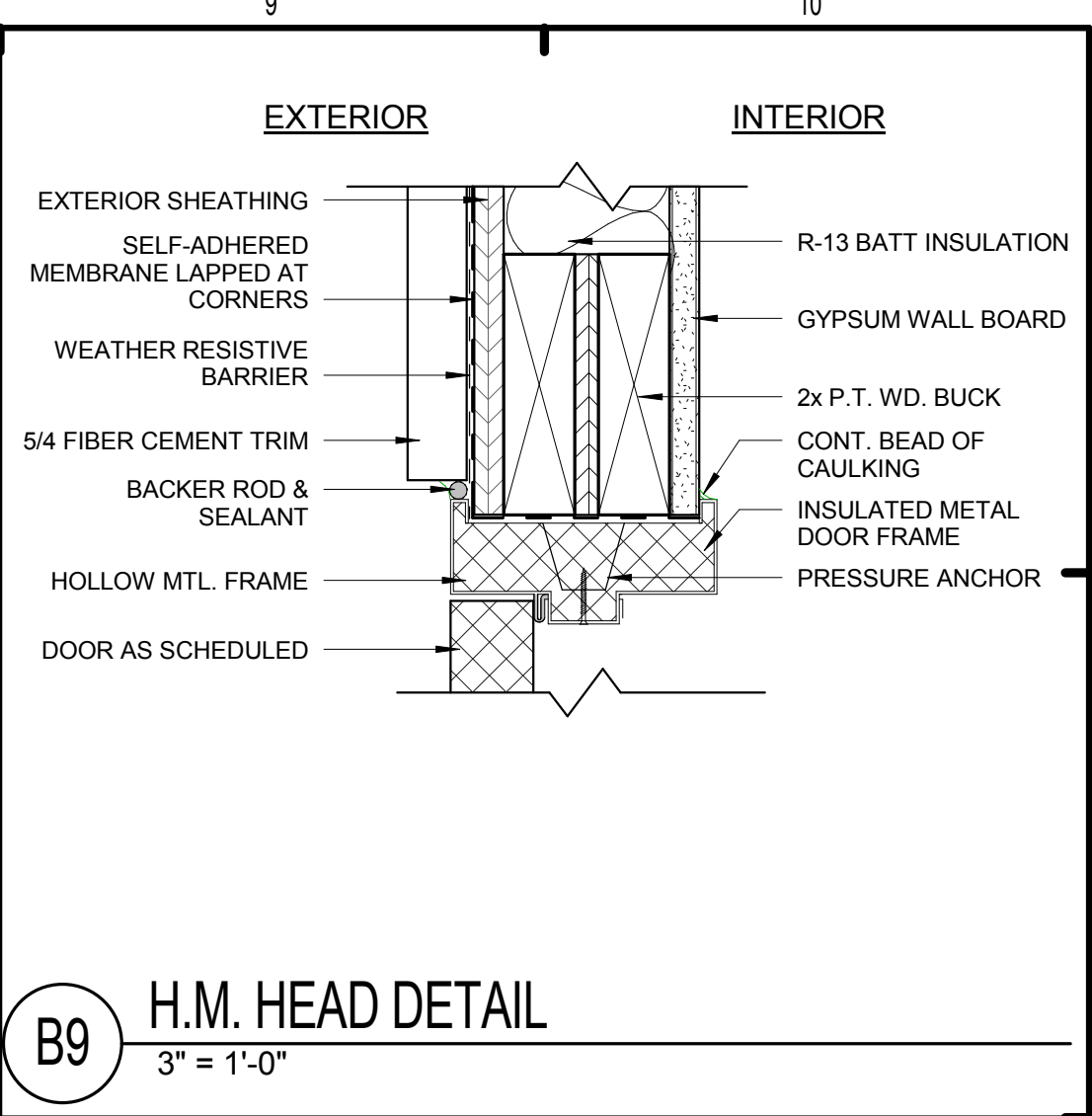
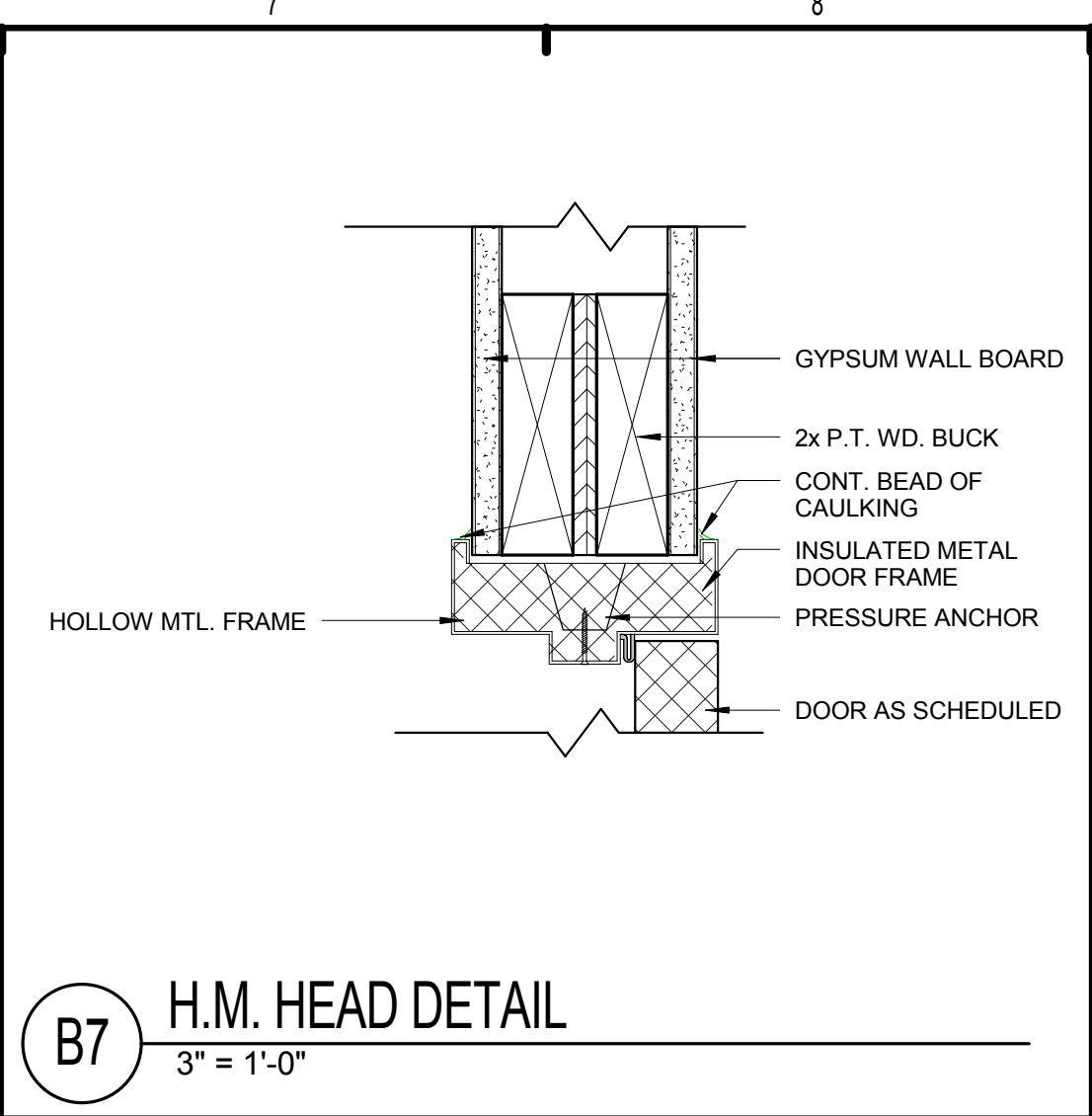
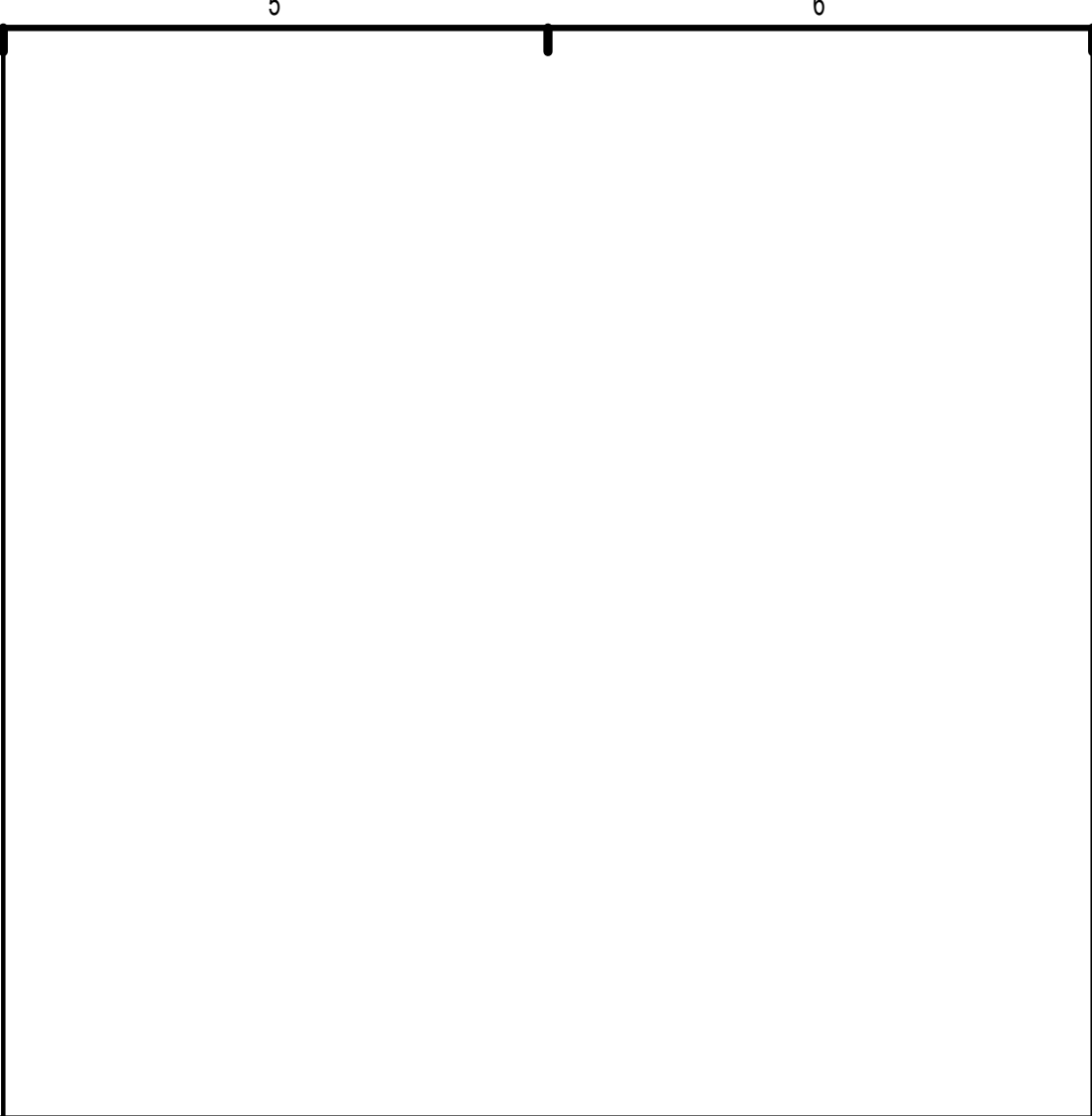
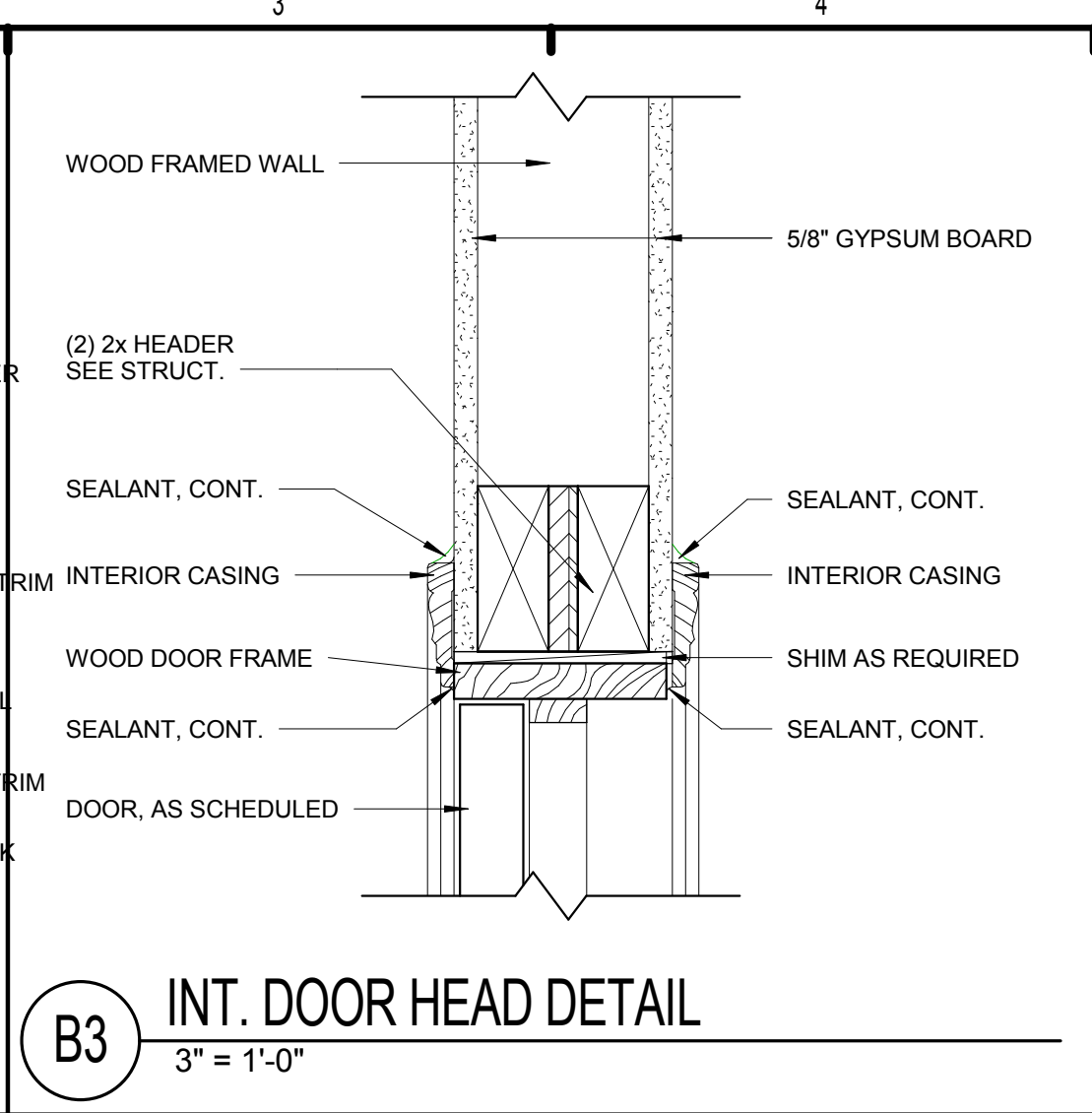
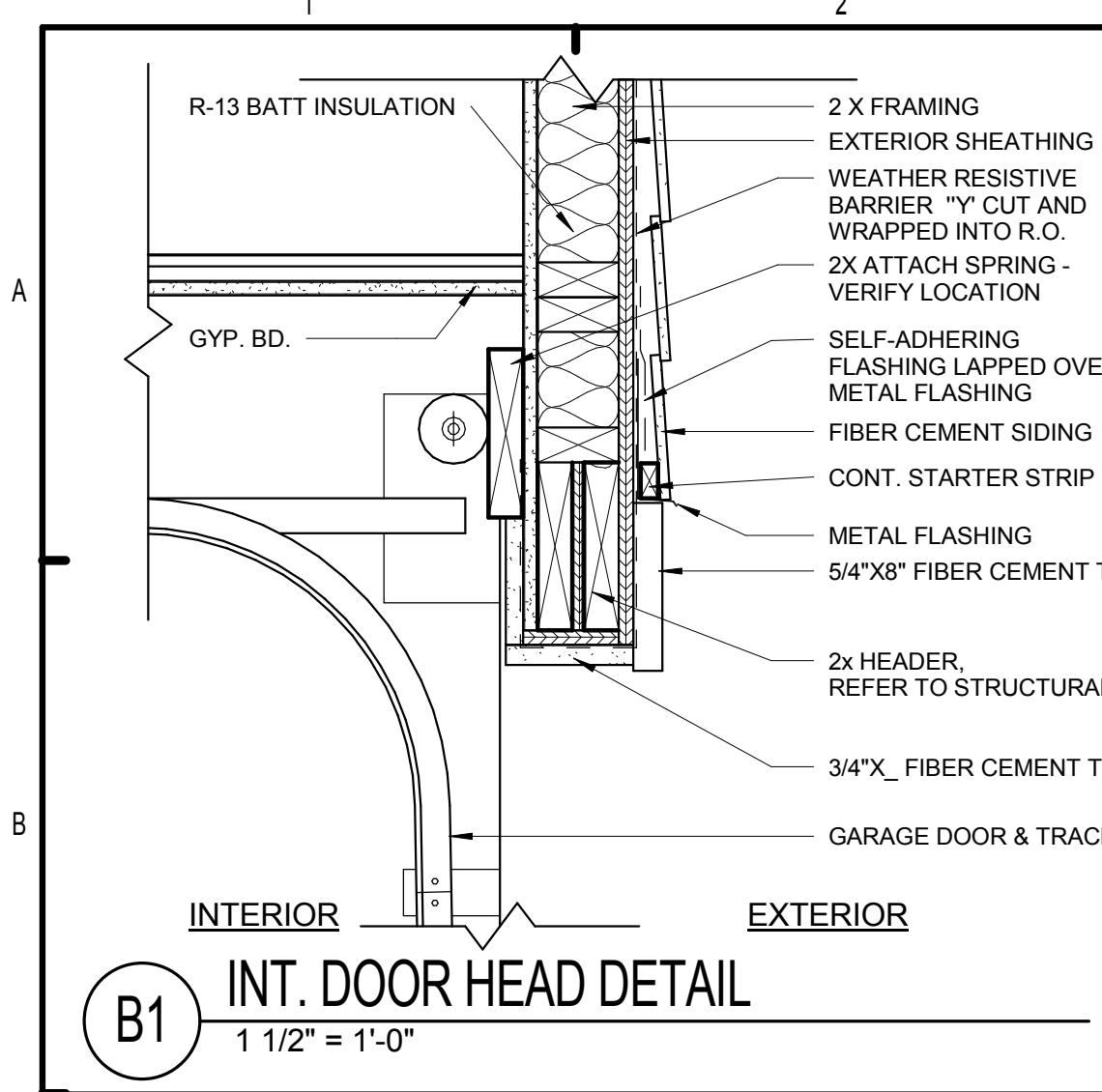
H7 PLAN DETAIL
 1" = 1'-0" H4/ CH2.01

ISSUE HISTORY		
No.	Date	Description
1	05/31/13	PERMIT REVIEW ISSUE
REVISION HISTORY		
No.	Date	Description

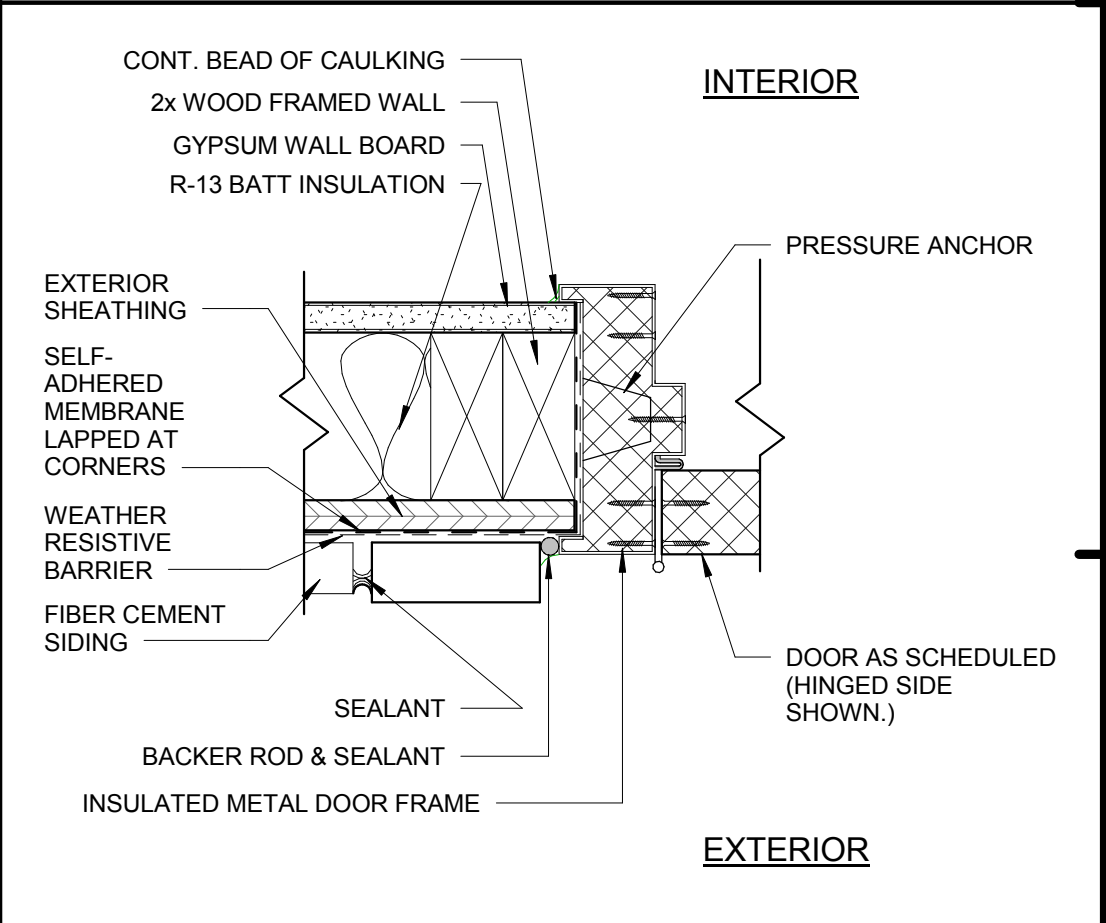
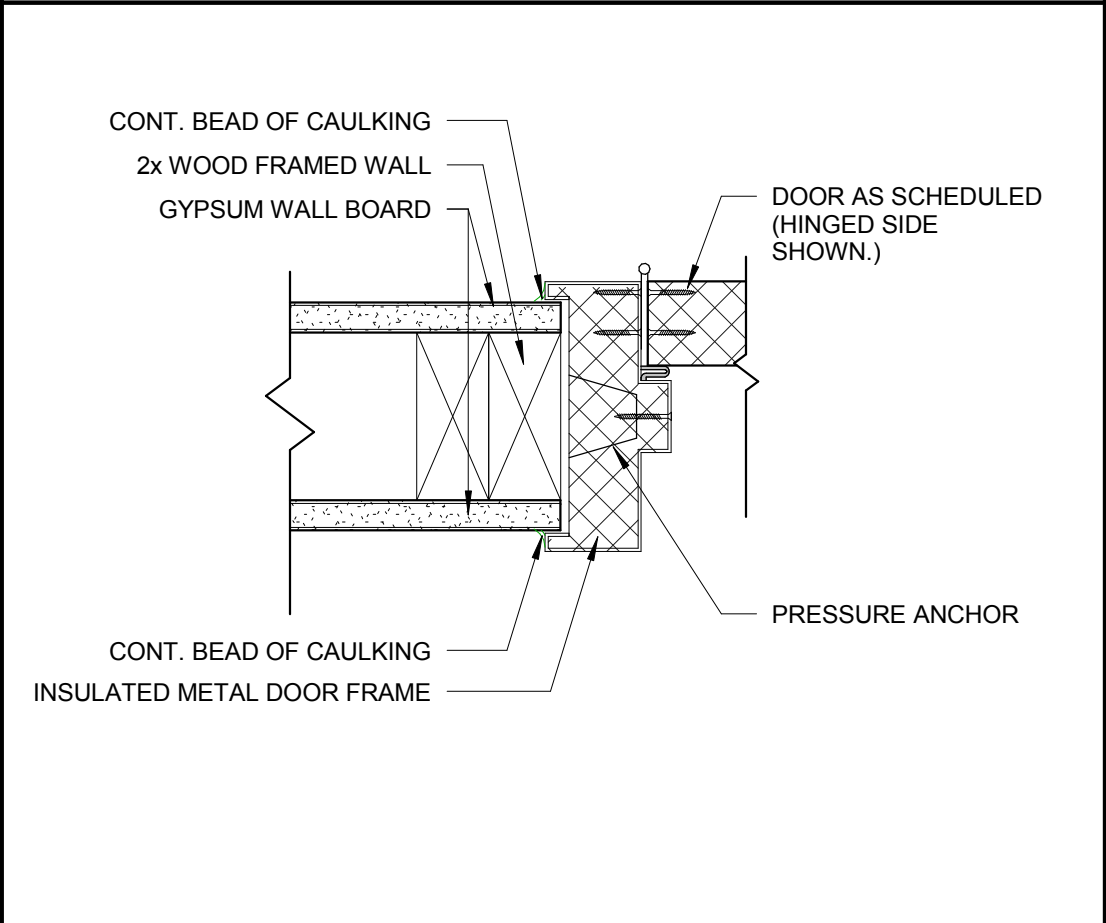
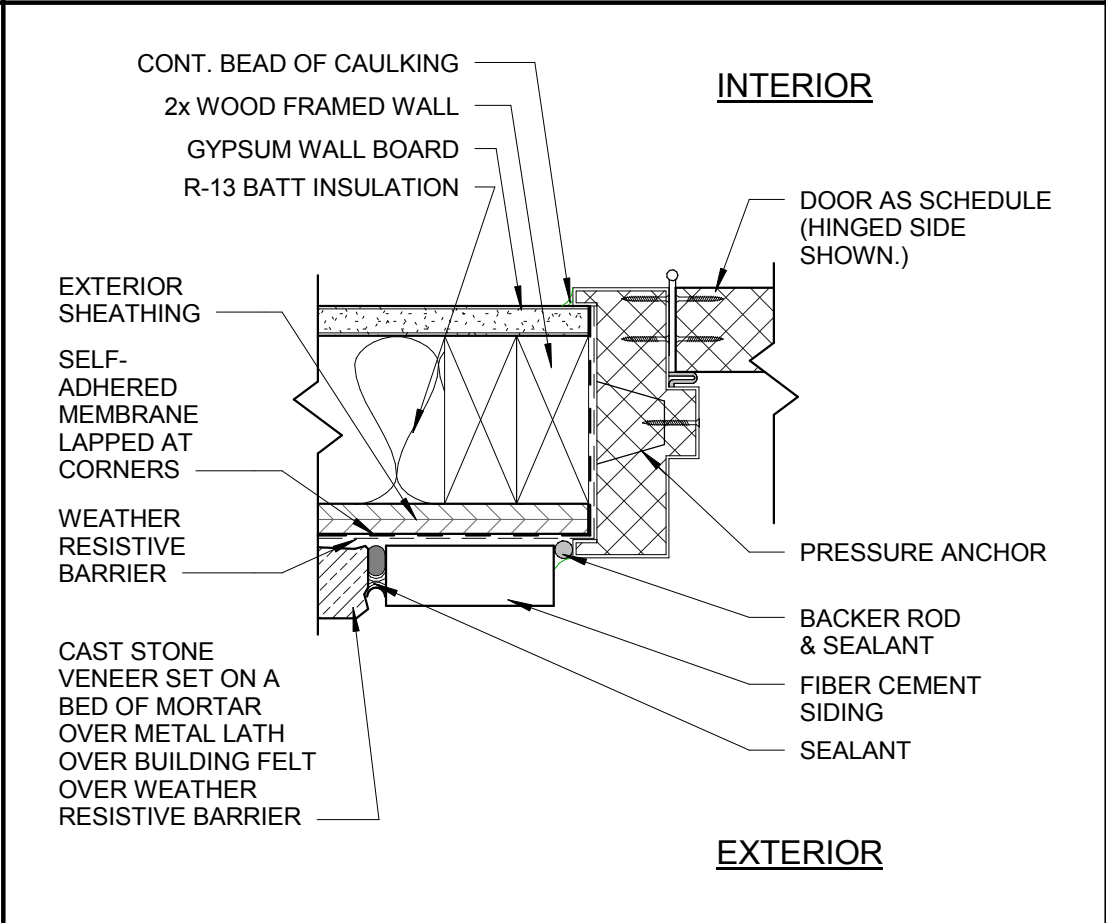
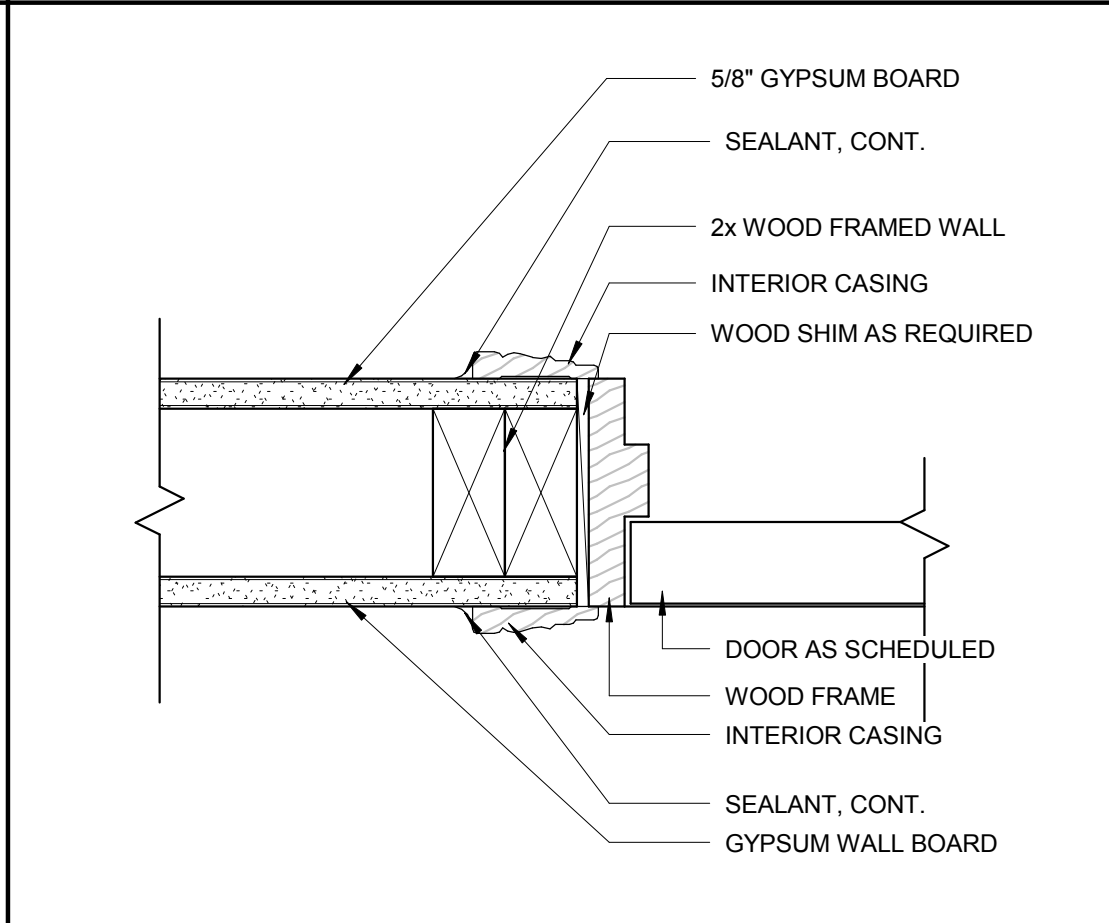
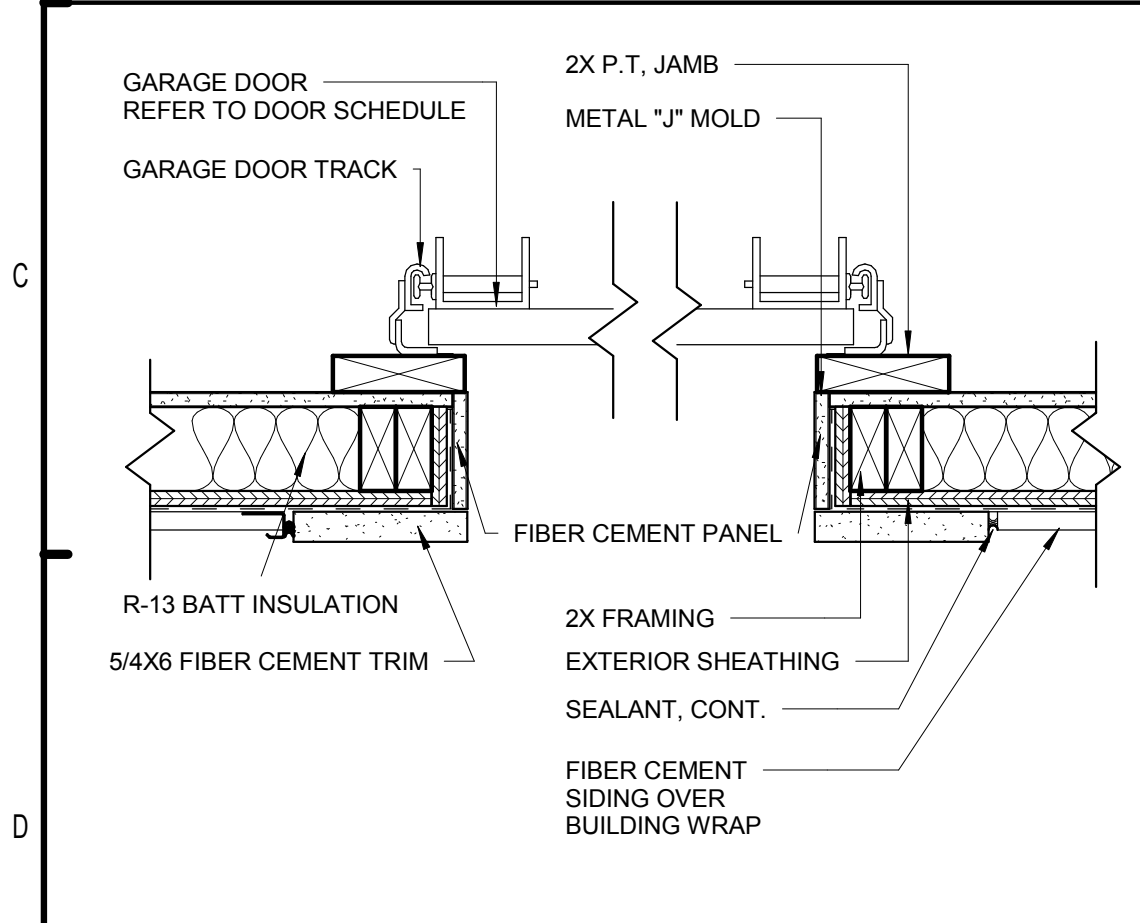

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	Checked: PF
PLAN DETAILS	Date: 05/01/2013
	Project #: 5166.400
CH6.10	

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 LICENSE # 103195

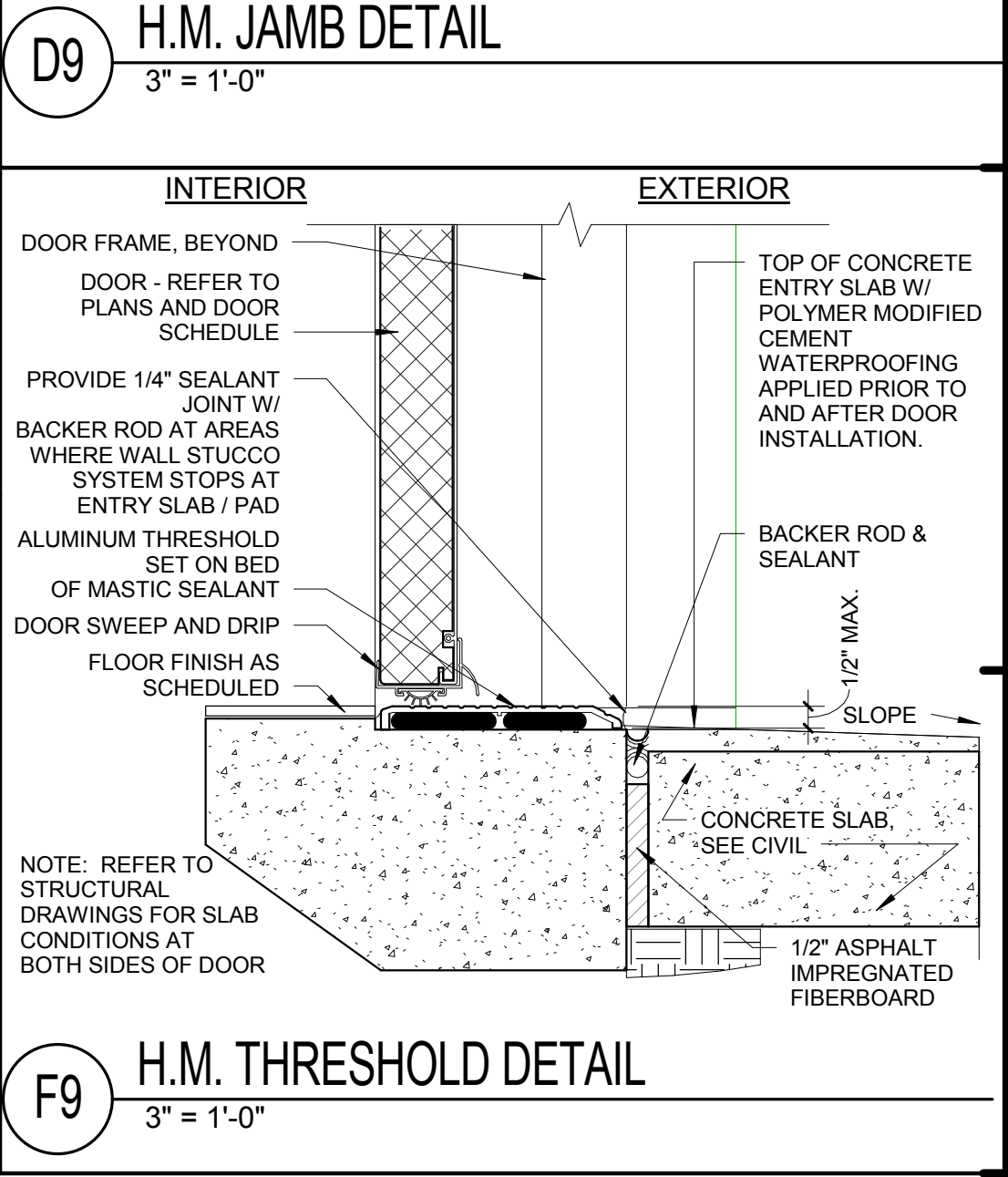
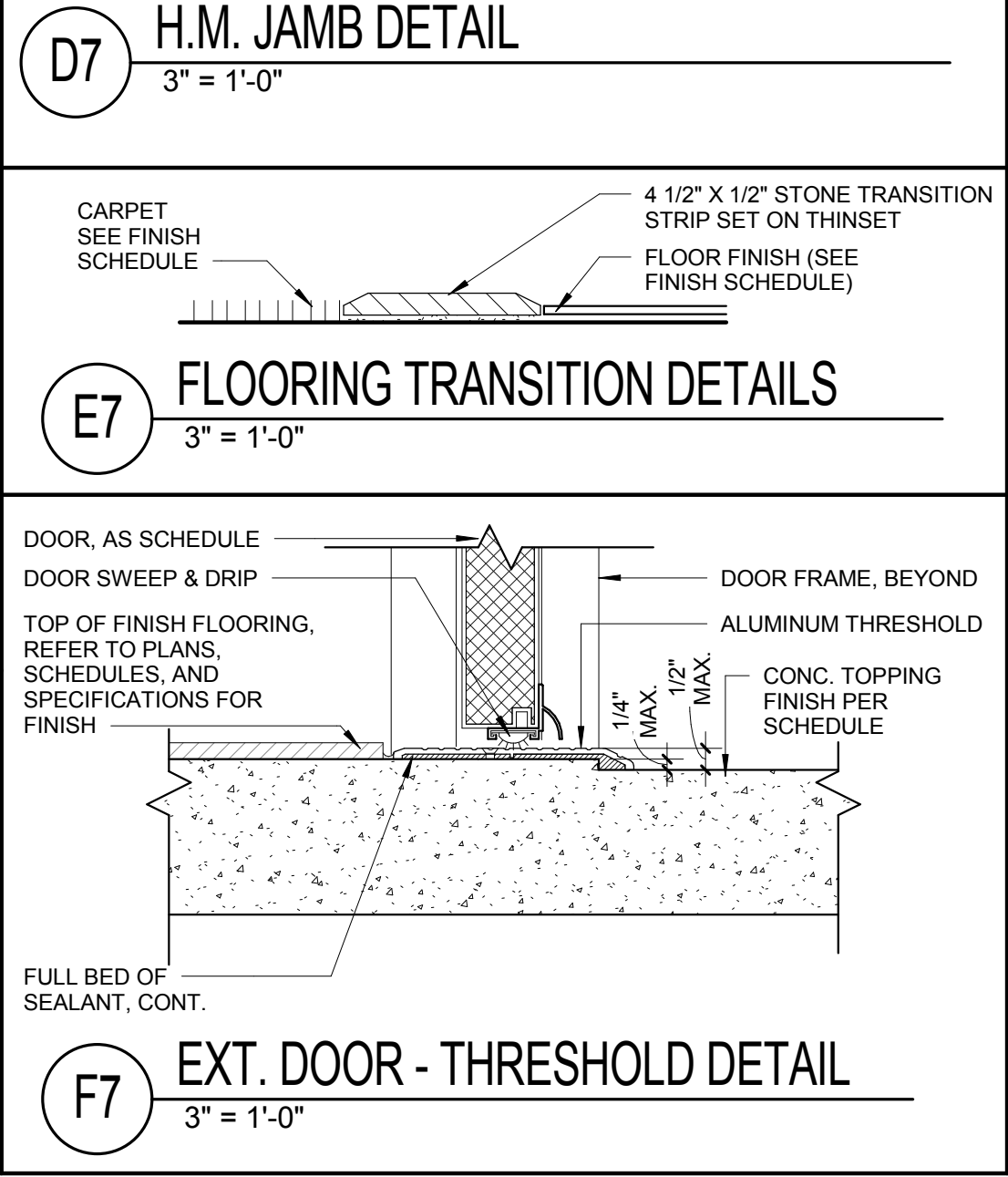
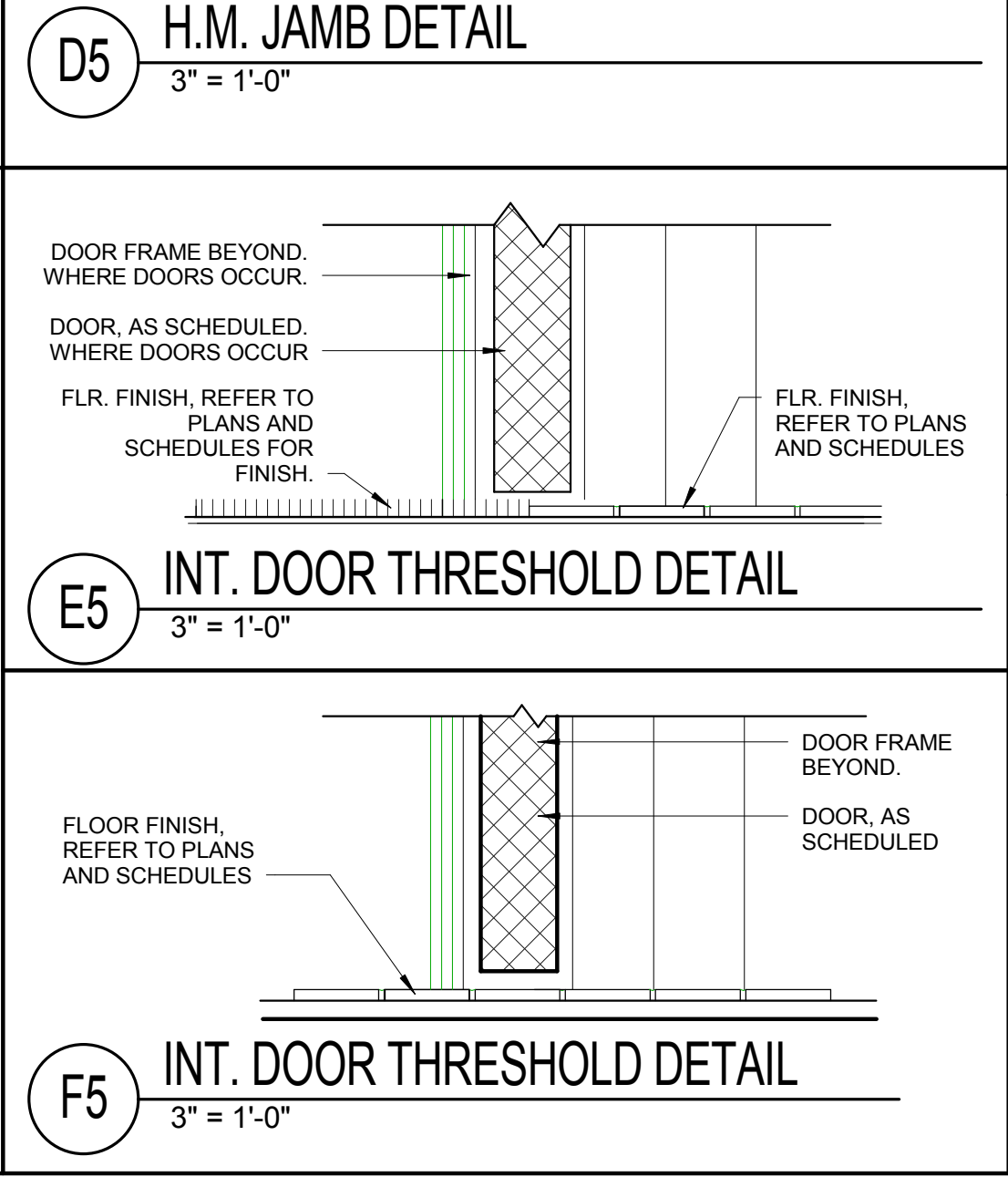
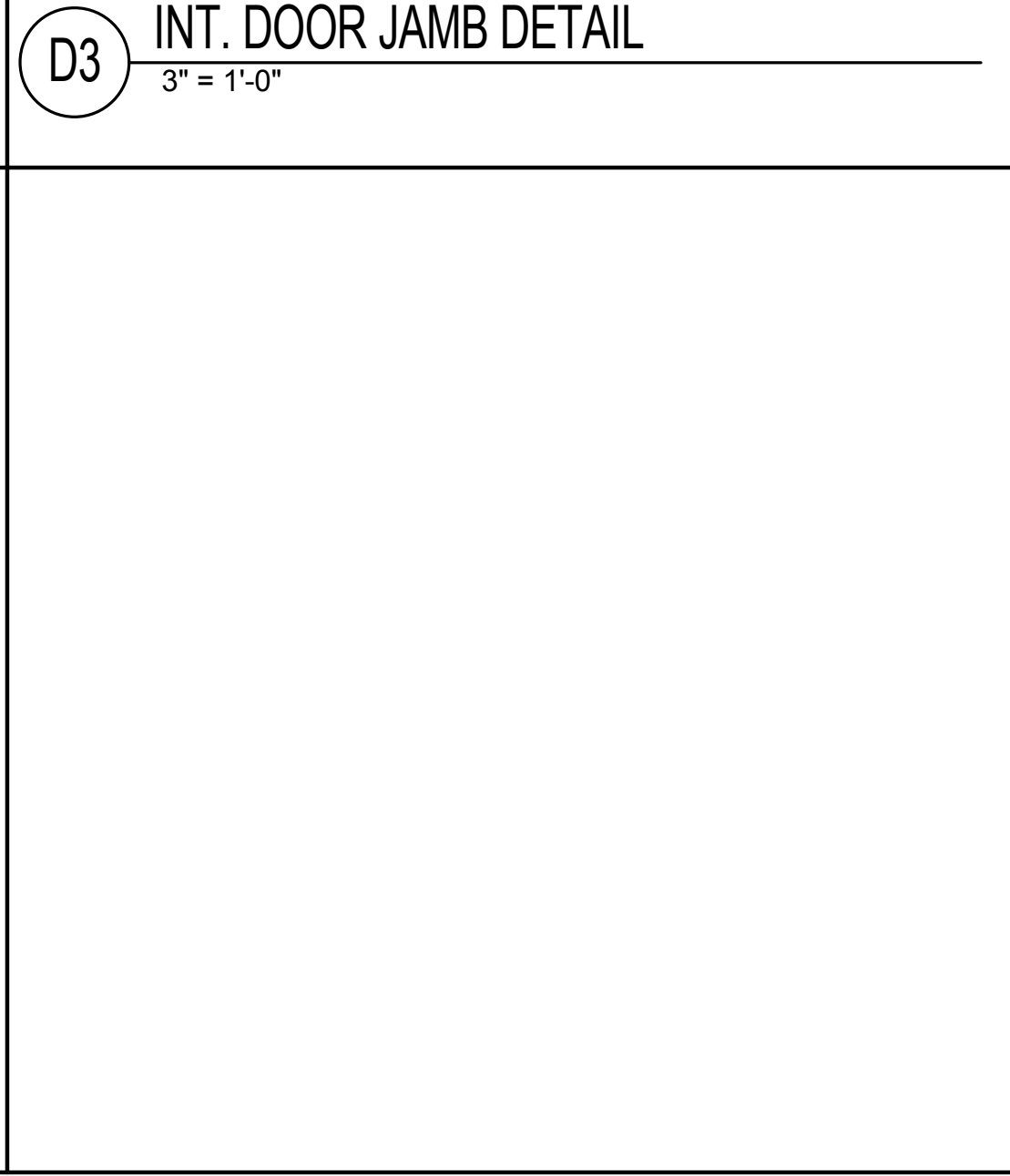
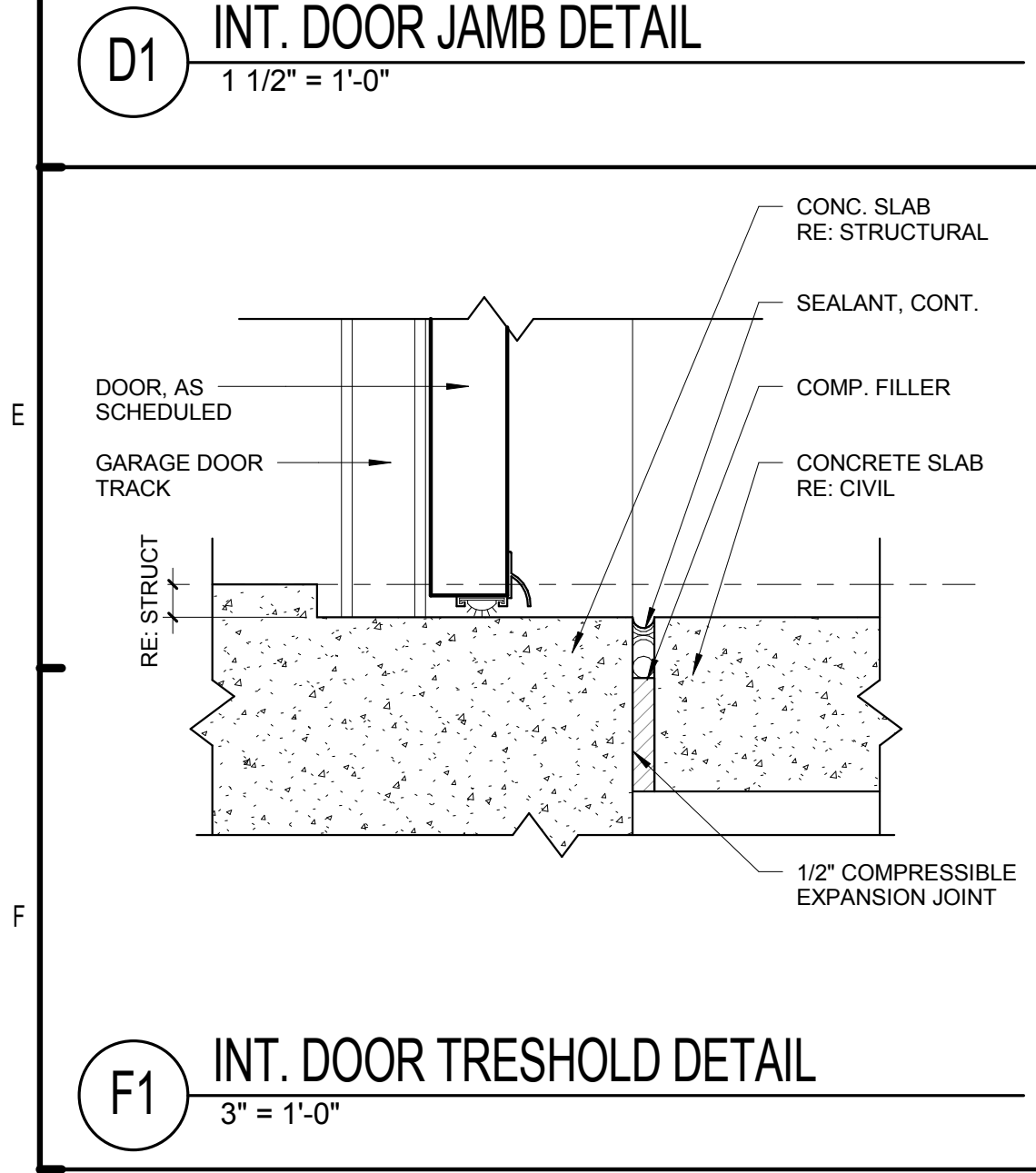


- NOTES:**
- ALL FIRE RATED DOORS AND FRAMES TO HAVE APPROVED CLOSERS AND LATCHING MECHANISMS.
 - ALL DOORS SHALL BE PROVIDED WITH LEVER OPERATING HARDWARE IN ACCORDANCE WITH FAIR HOUSING ACCESSIBILITY GUIDELINES & IBC 2006 CHAPTER II, PART B
 - THE AVERAGE TEMPERATURE RISE DEVELOPED ON THE UNEXPOSED SIDE SHALL NOT EXCEED 450°F (232°C) AT THE END OF 30 MINUTES OF STANDARD FIRE TEST EXPOSURE.
 - REFER TO SPECIFICATIONS FOR DESCRIPTION OF HARDWARE SETS.
 - DOOR CLOSER REQUIRED.
 - THRESHOLDS AT EXTERIOR DOORS ARE NO HIGHER THAN 1/2"
 - VERIFY ROUGH OPENING REQUIRED WITH DOOR FRAME MANUFACTURER.
 - PROVIDE COMPLETE WEATHER STRIPING AT ALL EXTERIOR DOORS.
 - PROVIDE WIDE ANGLE PEEP HOLE
 - TEMPERED GLASS
 - 12" KICK PLATE CHROME
 - NOT TO EXCEED 450°F IN 30 MIN.
 - PROVIDE CRASH CHAIN
 - FIBERGLASS INSULATED DOOR (OPTIONAL)



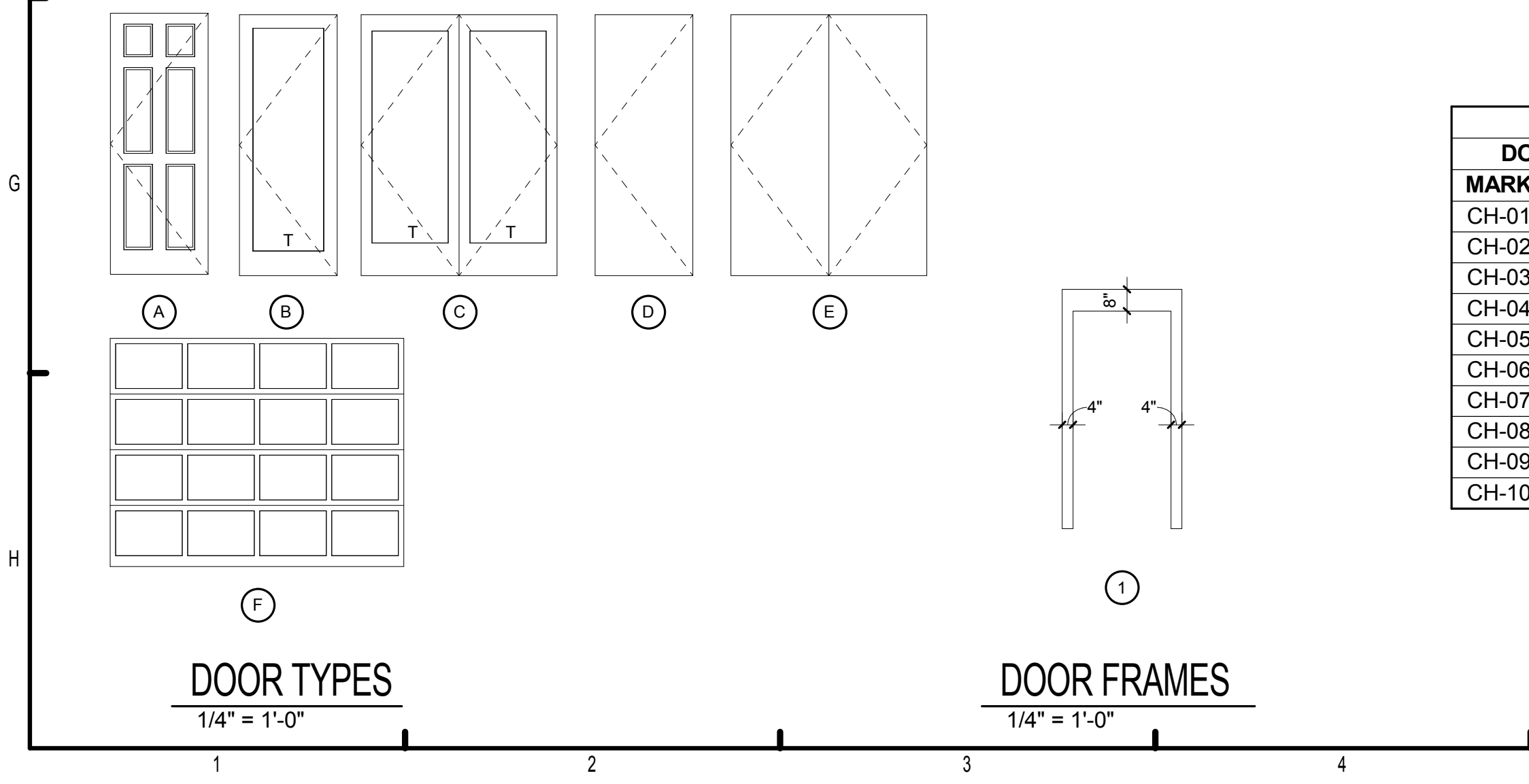
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DOOR SCHEDULE - CLUBHOUSE

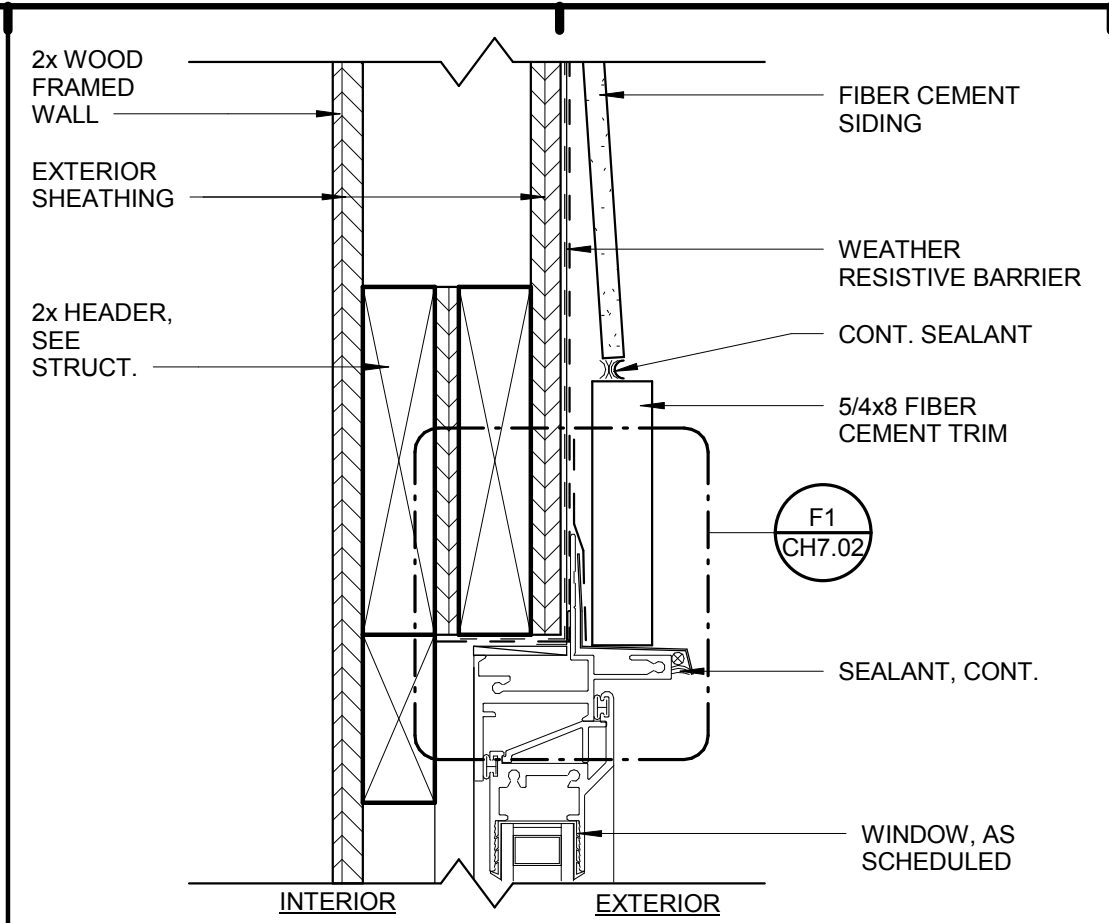
DOOR MARK	DOOR TYPE	DOORS			TYPE	MATERIAL	FRAME			DOOR RATING	HARDWARE SET	NOTES
		WIDTH	HEIGHT	THICKNESS			HEAD	JAMB	THRESHOLD			
CH-01	C	6'-0"	8'-0"	2"	1	INSUL. H.M.	B9/CH7.01	D9&D5/CH7.01	F9/CH7.01	C1	TEMPERED INSULATED GLASS	
CH-02	B	3'-0"	8'-0"	2"	1	INSUL. H.M.	B9/CH7.01	D9&D5/CH7.01	F9/CH7.01	C2	TEMPERED INSULATED GLASS	
CH-03	A	3'-0"	8'-0"	1 3/4"	1	WOOD	B3/CH7.01	D3/CH7.01	F5/CH7.01	C4		
CH-04	B	3'-0"	8'-0"	1 3/4"	1	INSUL. H.M.	B7/CH7.01	D7/CH7.01	E7&E5/CH7.01	C4		
CH-05	D	2'-0"	7'-0"	1 3/4"	1	H.M.	B9/CH7.01	D9/CH7.01	F7/CH7.01	C5	LOCATED AT MAIL KIOSK	
CH-06	A	3'-0"	8'-0"	1 3/4"	1	WOOD	B3/CH7.01	D3/CH7.01	E5/CH7.01	C4		
CH-07	D	3'-0"	8'-0"	1 3/4"	1	INSUL. H.M.	B3/CH7.01	D3/CH7.01	F5/CH7.01	C3		
CH-08	C	3'-0"	8'-0"	1 3/4"	1	H.M.	B9/CH7.01	D9/CH7.01	F9/CH7.01	C3	LOCATED AT MAINTENANCE BUILDING	
CH-09	A	2'-10"	8'-0"	1 3/4"	1	WOOD	B3/CH7.01	D3/CH7.01	E5/F5/E7/CH7.01	C4		
CH-10	F	16'-0"	8'-0"	2"	1	STEEL	B1/CH7.01	D1/CH7.01	F1/CH7.01	MFR	LOCATED AT MAINTENANCE BUILDING	

BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOOGA, TN.

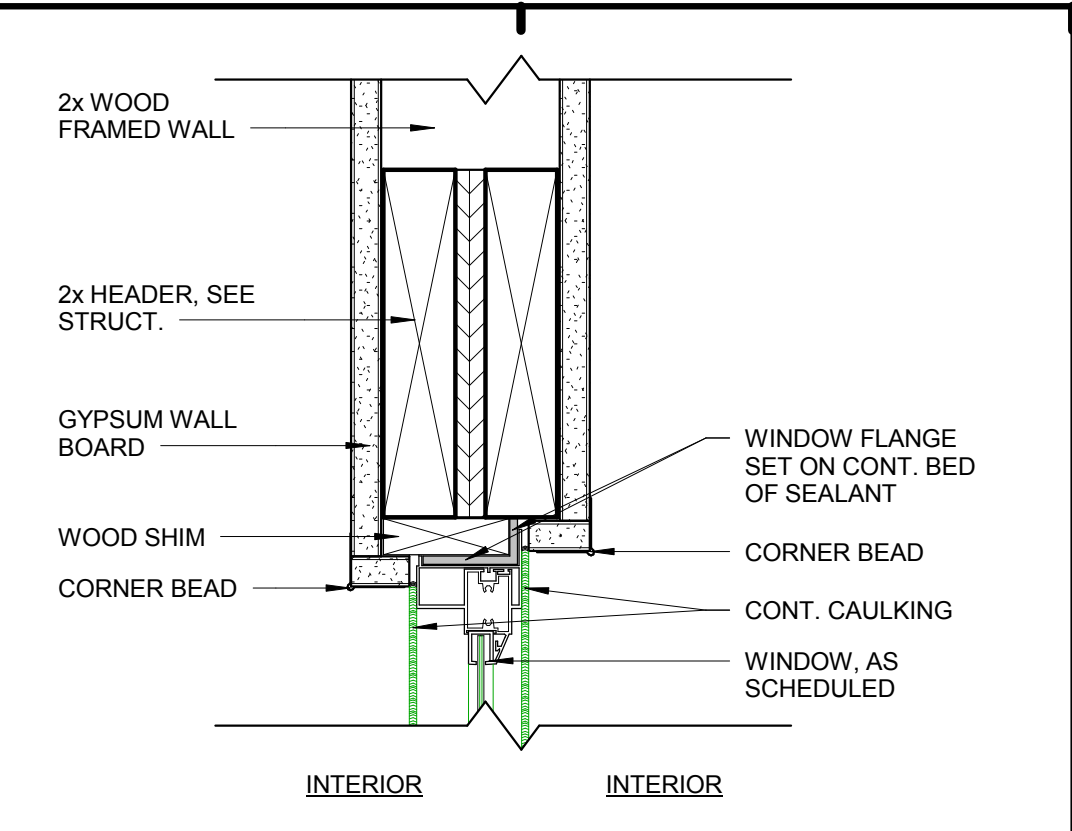
DOOR SCHEDULE & DETAILS CH7.01

Drawn: FZ
Checked: PF
Approved: PF
Date: 05/01/2013
Project #: 5166.400

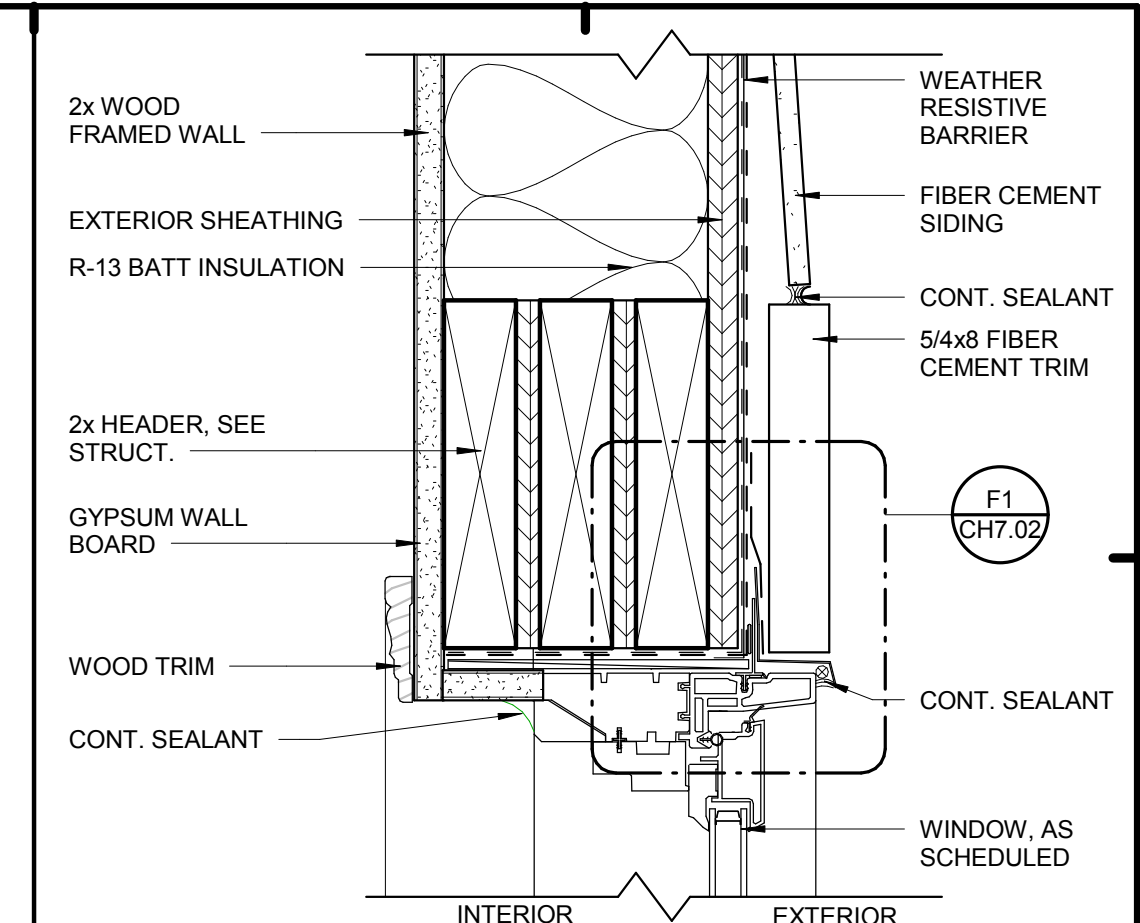
PATRICK O. FRICH
LICENSE # 103195



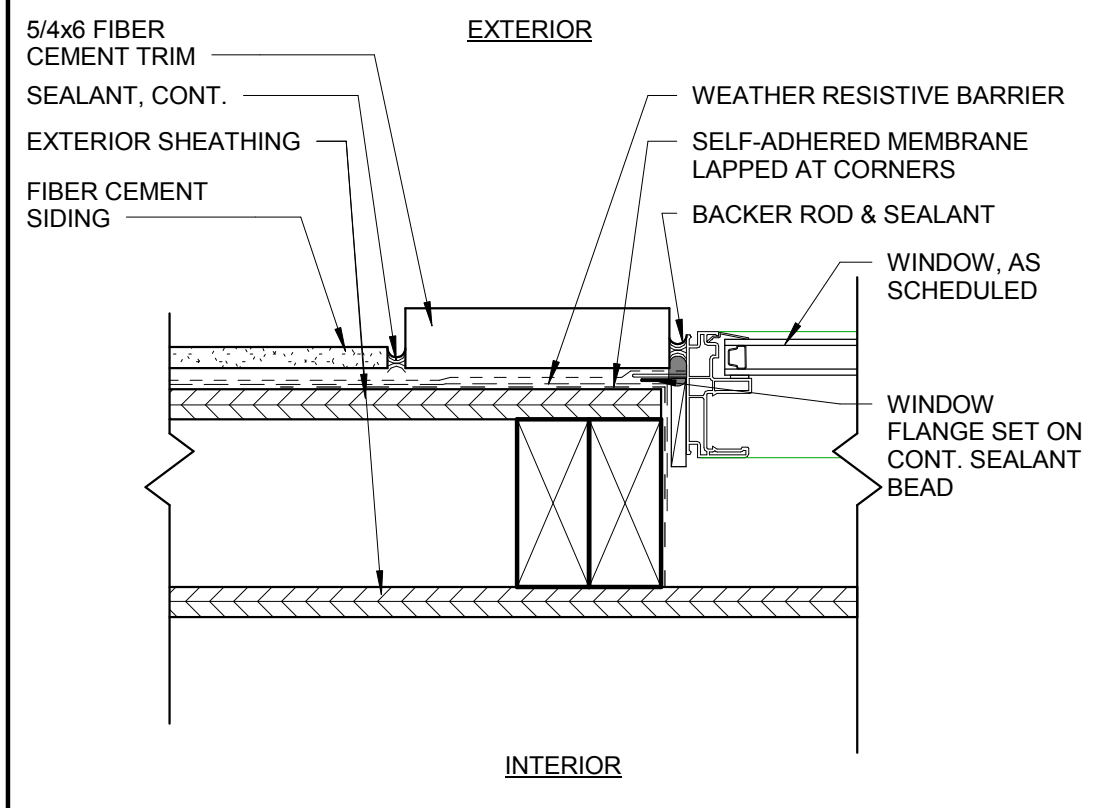
B3 DECORATIVE WINDOW - HEAD DETAIL
3" = 1'-0"



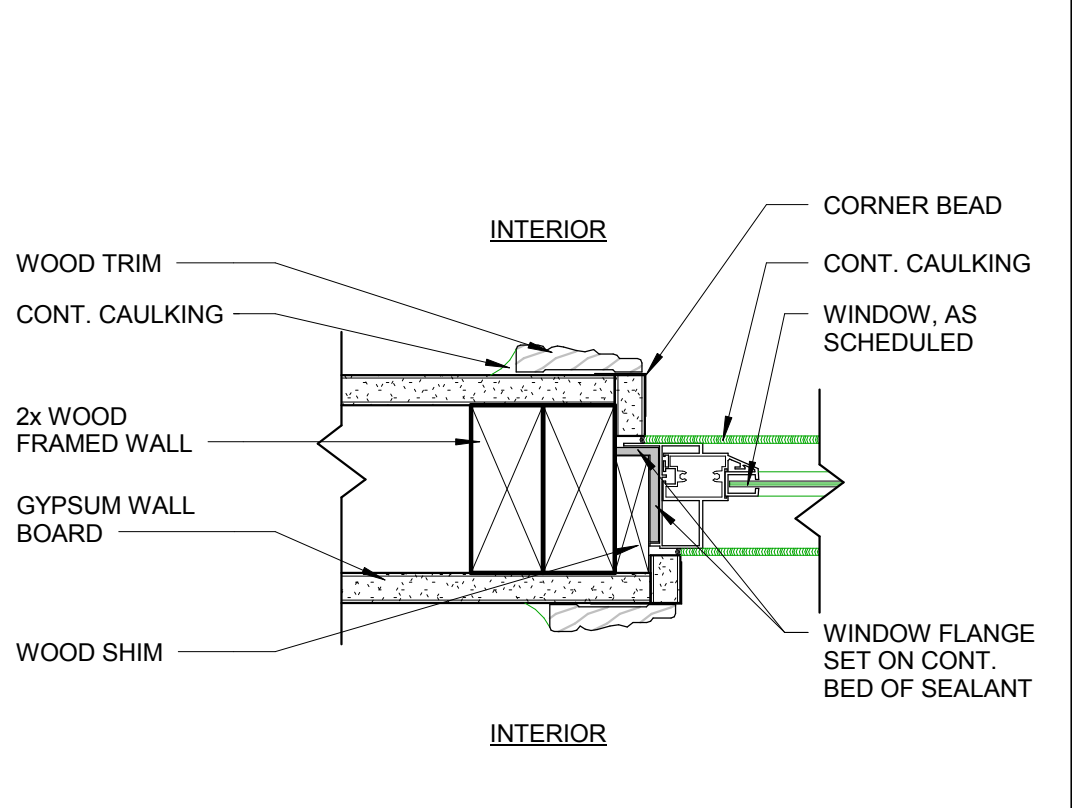
B5 INTERIOR WINDOW HEAD DETAIL
3" = 1'-0"



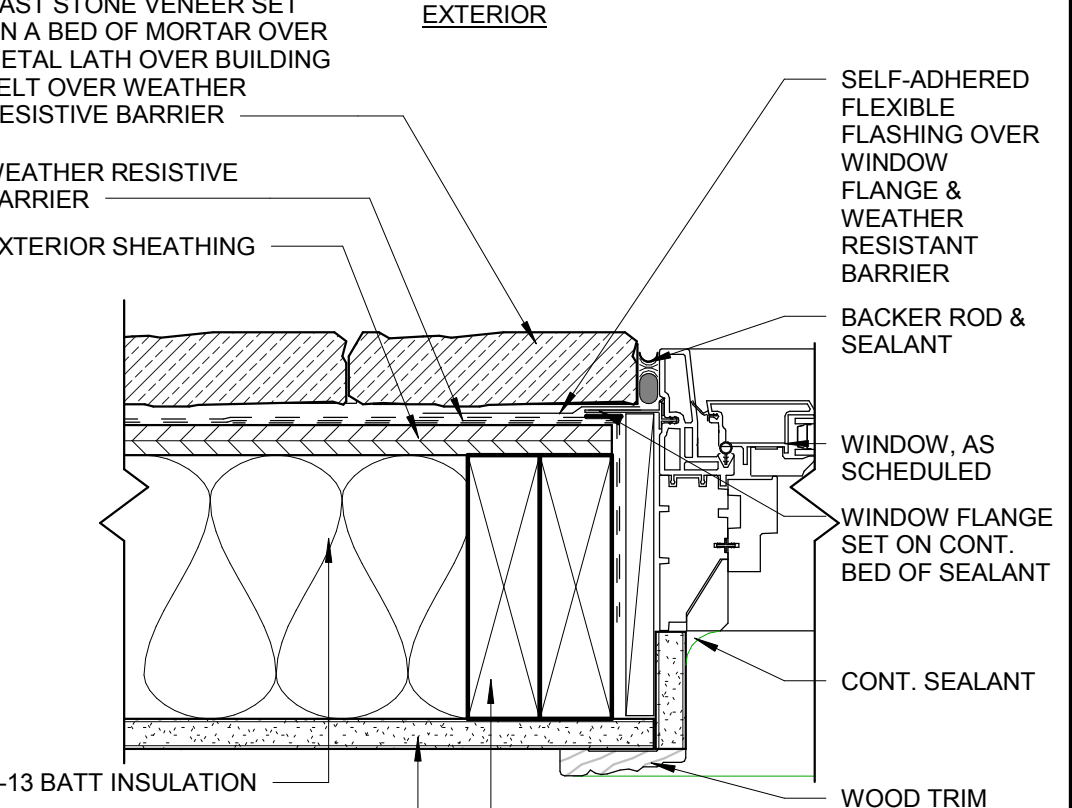
B9 TRANSOM / FIXED WIND. HD. DTL.
3" = 1'-0"



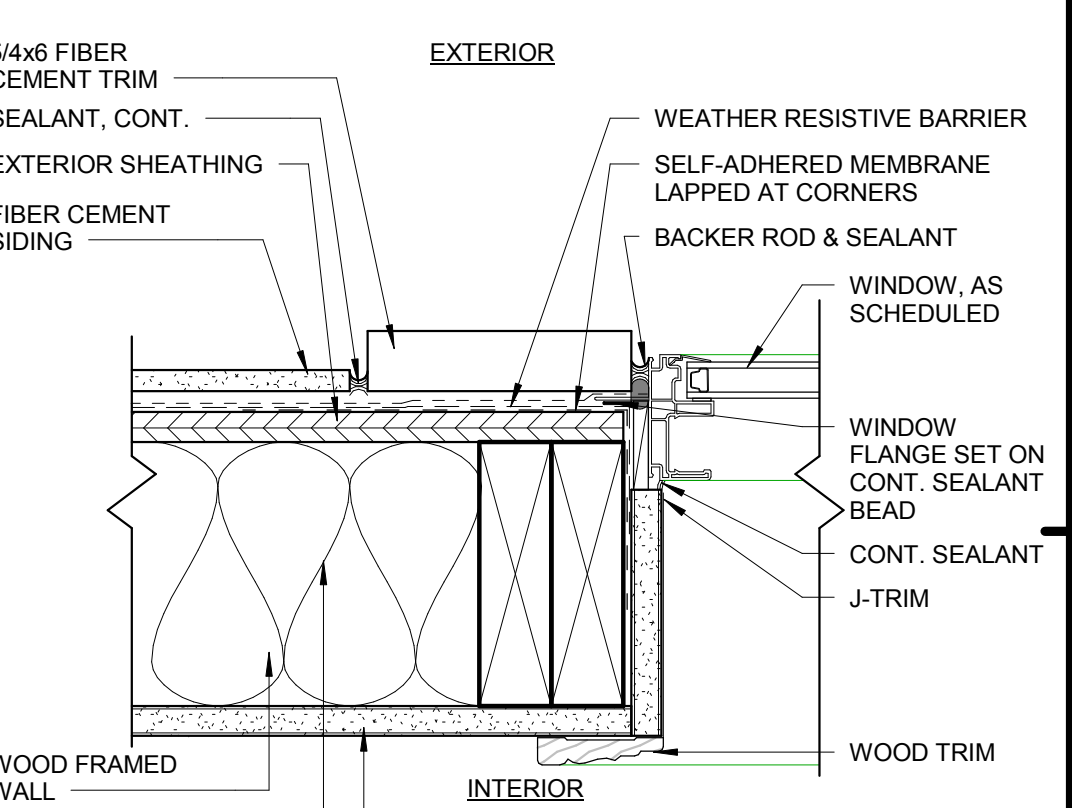
D3 DECORATIVE WINDOW - JAMB DETAIL
3" = 1'-0"



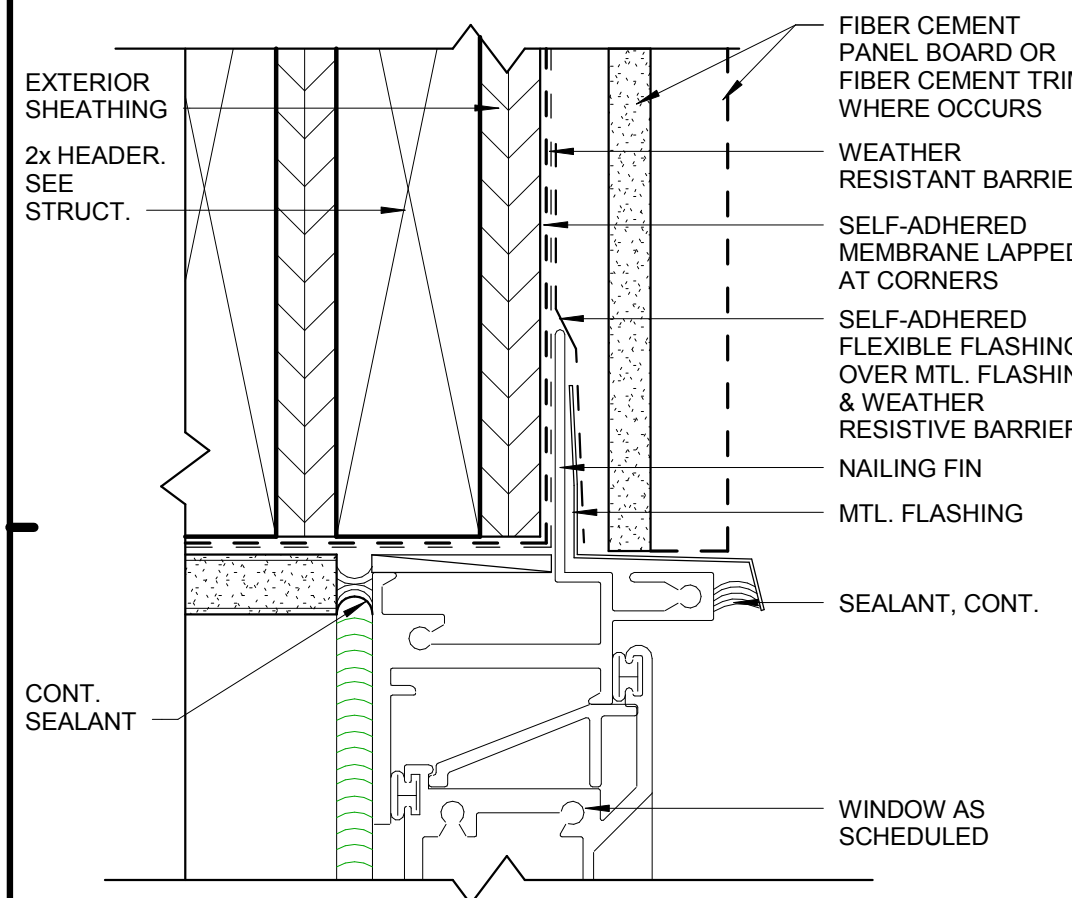
D5 INTERIOR WINDOW JAMB DETAIL
3" = 1'-0"



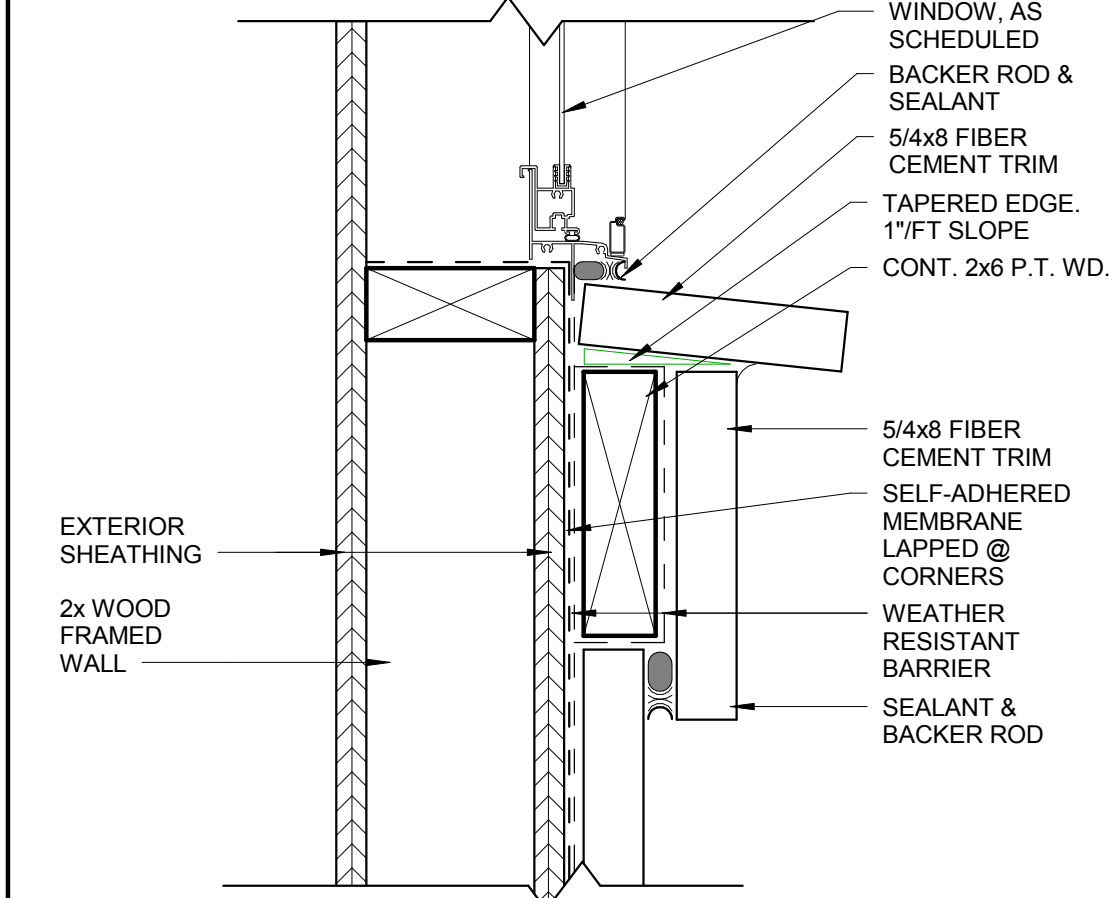
D7 WINDOW JAMB DETAIL @ STONE
3" = 1'-0"



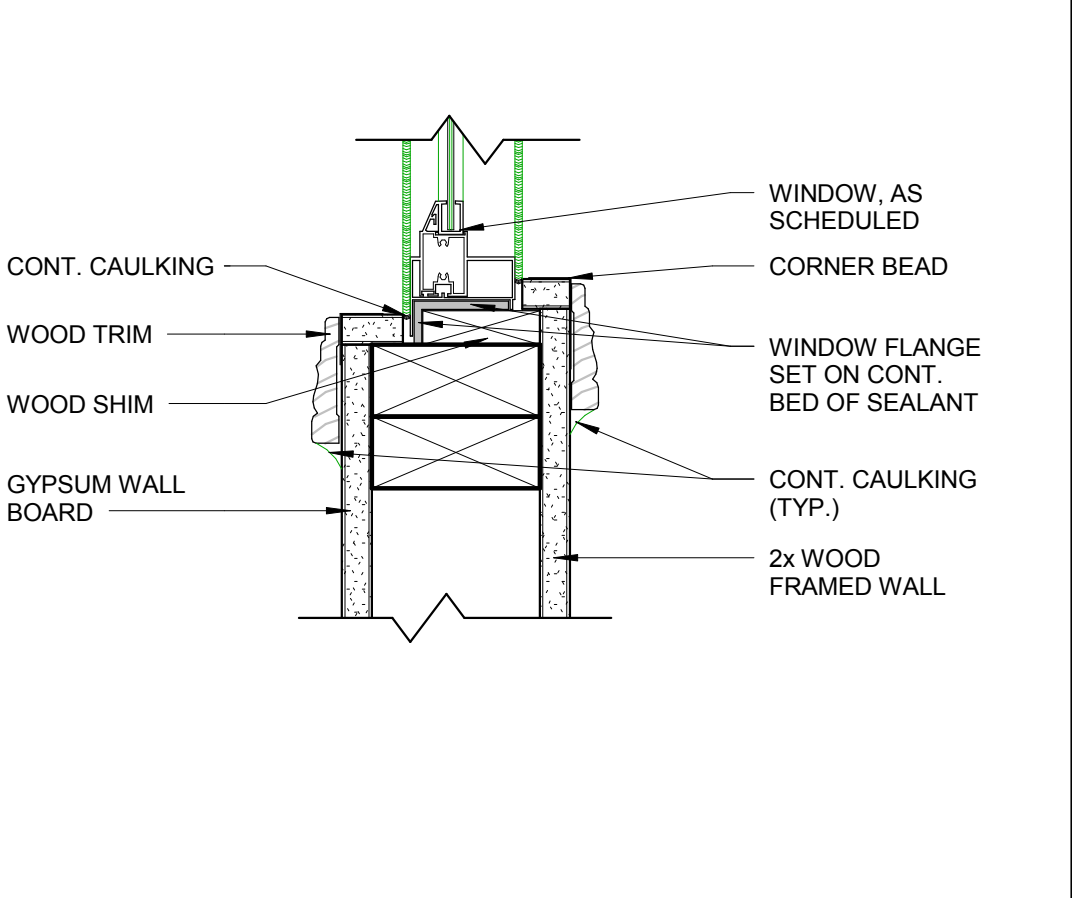
D9 WINDOW JAMB DETAIL AT FC PANEL
3" = 1'-0"



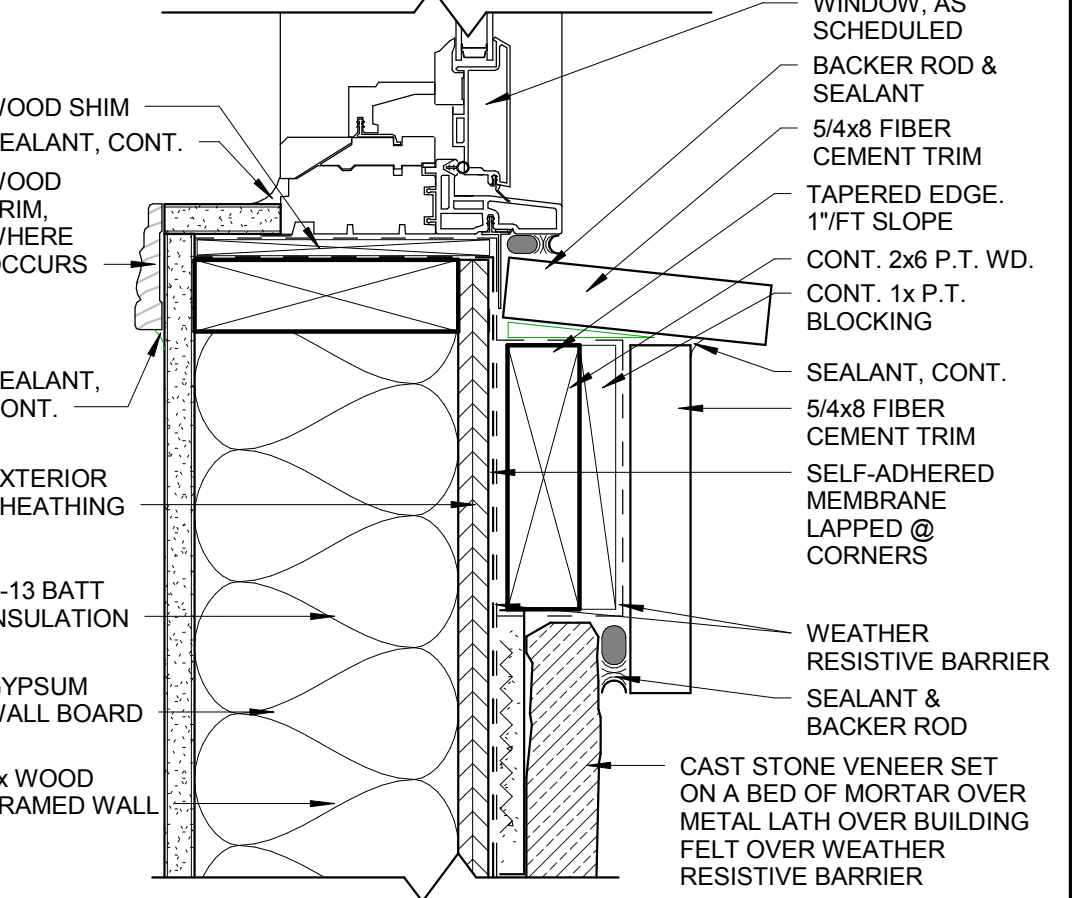
F1 WINDOW SEALANT DETAIL
6" = 1'-0"



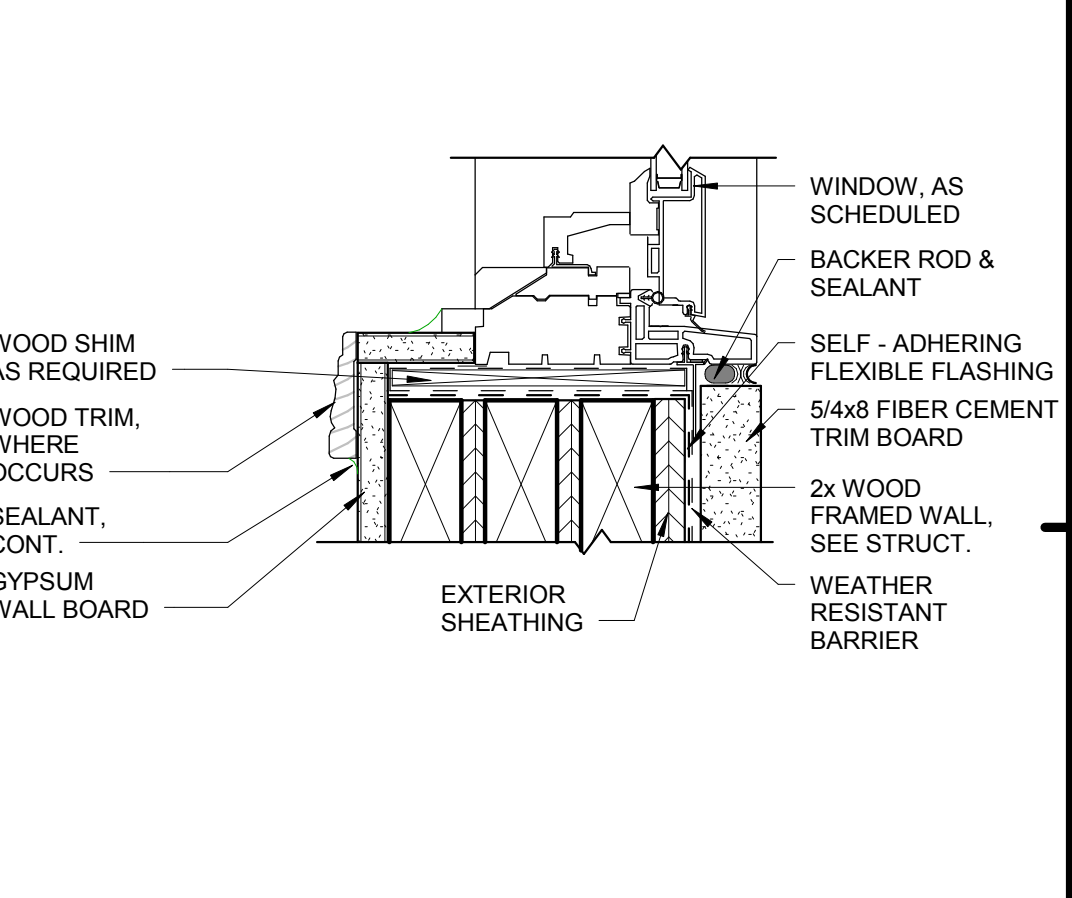
F3 DECORATIVE WINDOW - SILL DETAIL
3" = 1'-0"



F5 INTERIOR WINDOW SILL DETAIL
3" = 1'-0"



F7 TRANSOM / FIXED WIND. SILL DTL.
3" = 1'-0"



F9 TRANSOM WINDOW SILL DTL.
3" = 1'-0"

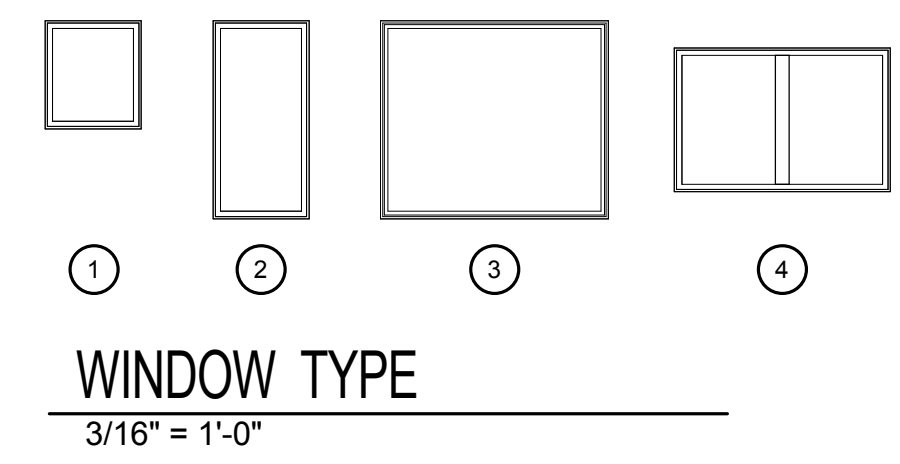
- NOTES:**
- PROVIDE SCREENS FOR ALL WINDOWS
 - WINDOW AND DOOR ASSEMBLIES SHALL BE ANCHORED THROUGH THE JAMB. ANCHORS SHALL BE SECURELY FASTENED INTO THE STRUCTURAL MEMBER
 - WINDOW & DOOR MANUFACTURER SHALL SUBMIT SHOP DRAWINGS INCLUDING APPROVAL'S SUBSTANTIATING ABILITY TO RESIST WIND LOADS AS PRESCRIBED BY CODE

ISSUE HISTORY		
No.	Date	Description
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No.	Date	Description

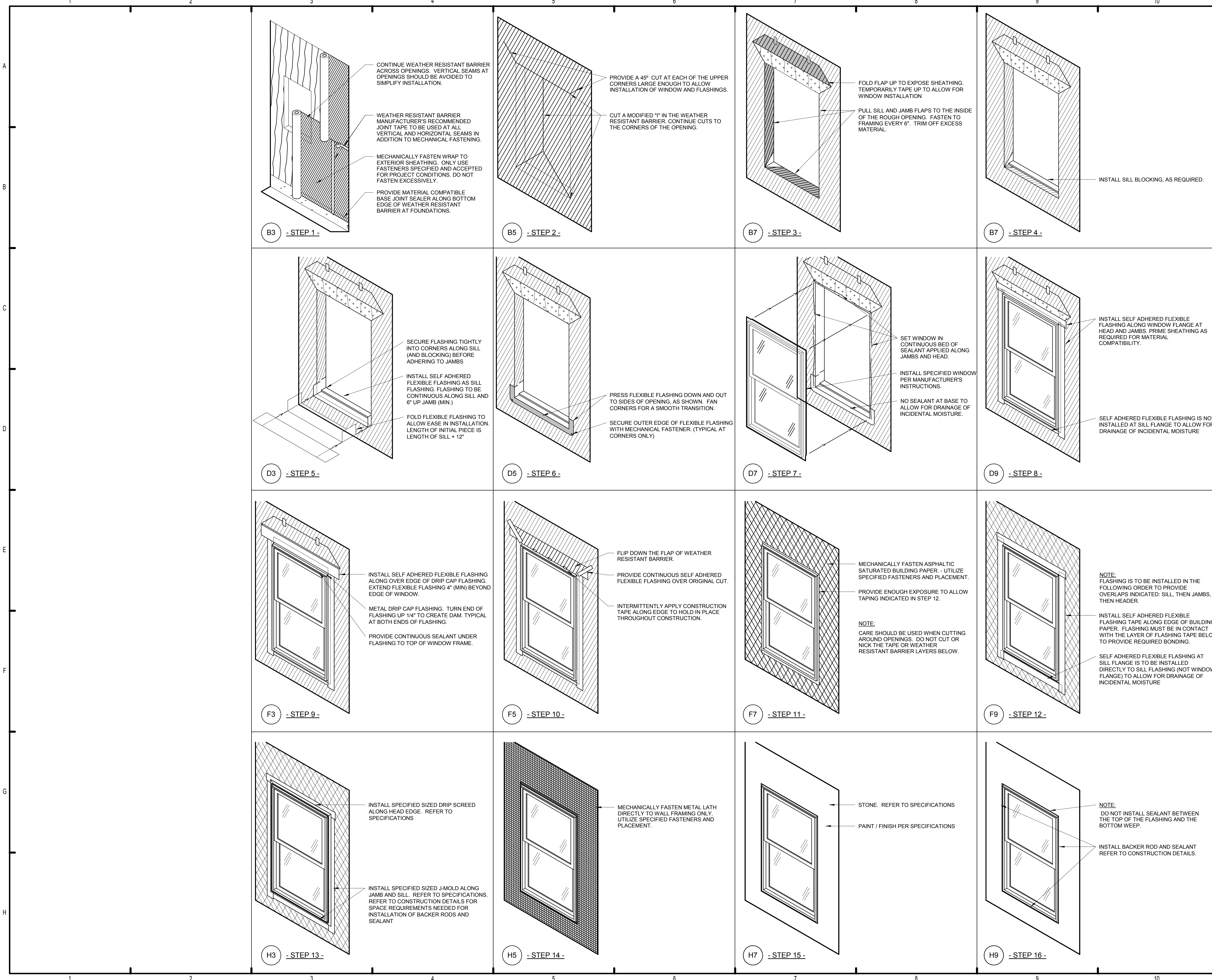
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WINDOW SCHEDULE - CLUBHOUSE														REMARKS	
MARK	TYPE	QTY	WINDOW UNIT WIDTH	WINDOW UNIT HEIGHT	WINDOW UNIT HEAD HEIGHT	WINDOW UNIT OPERATION	GLAZING TYPE	GLAZING THICKNESS	GLAZING U FACTOR	GLAZING SHGC	FRAME MATERIAL	FRAME HEAD	FRAME JAMB		FRAME SILL
A	3		4' - 0"	5' - 0"	7' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D9/CH7.02	F7/CH7.02	
B	2		4' - 0"	2' - 0"	9' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D7&D9/CH7.02	F9/CH7.02	
CC	2	2	3' - 0"	5' - 0"	7' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D7&D9/CH7.02	F7/CH7.02	
D	2		3' - 0"	5' - 0"	7' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D7&D9/CH7.02	F7/CH7.02	
EE	2	2	3' - 0"	2' - 0"	9' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D9/CH7.02	F9/CH7.02	
F	2		3' - 0"	2' - 0"	9' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D9/CH7.02	F9/CH7.02	
G	2		2' - 6"	5' - 0"	7' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D7&D9/CH7.02	F7/CH7.02	
H	2		2' - 6"	2' - 0"	9' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D9/CH7.02	F9/CH7.02	
J	2		2' - 6"	5' - 0"	7' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D7&D9/CH7.02	F7/CH7.02	
K	2		2' - 6"	2' - 0"	9' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D9/CH7.02	F9/CH7.02	
M	2		2' - 0"	5' - 0"	7' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D7&D9/CH7.02	F7/CH7.02	
N	2		2' - 0"	2' - 0"	9' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.22	VINYL	B9/CH7.02	D3/CH7.02	F9/CH7.02	
O	3		4' - 0"	5' - 0"	8' - 0"	FIXED	LOW E	15/16" INSUL.	0.28	0.59	VINYL	B5/CH7.02	D5/CH7.02	F5/CH7.02	INDOOR WINDOW - TEMPERED
P	4		2' - 0"	2' - 0"	20' - 0"	FIXED	TINTED	15/16" INSUL.	0.28	0.22	VINYL	B3/CH7.02	D3/CH7.02	F3/CH7.02	DECORATIVE GABLE WINDOW



BRIDGEWAY APARTMENTS CLUBHOUSE
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WINDOW SCHEDULE & DETAILS
 CH7.02

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GENERAL NOTES:

"THE INSTALLATION REQUIREMENTS SHOWN ON THIS SHEET ARE IN ADDITION TO THOSE REQUIRED BY THE MANUFACTURER OF THE WEATHER RESISTANT BARRIER SYSTEM. INSTALL WRAP PER MANUFACTURER'S INSTRUCTIONS FOR WARRANTY APPROVAL OF INSTALLED MATERIALS AS A MINIMUM REQUIREMENT. CONSULT WITH ARCHITECT FOR ALL DISCREPANCIES AND CONFLICTS IN INSTALLATION PROCEDURES.

"VERIFY MATERIAL COMPATIBILITY FOR ALL COMPONENTS OF SYSTEMS.

"VERIFY MATERIAL STABILITY. VERIFY THAT COLOR, RESIDUE, OR CHEMICAL REACTION SHALL NOT STAIN OR TRANSFER TO OTHER NON-INTENDED SURROUNDING SURFACES.

"ALL HOLES, TEARS, AND DAMAGE IN A SYSTEM LAYER ARE TO BE REPAIRED PRIOR TO PROCEEDING TO NEXT STEP OF SYSTEM. ALL REPAIRS ARE TO BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE PRODUCT IN PLACE WARRANTY REQUIREMENTS.

"THIS SERIES OF STEPS IS THE PROCESS FOR A STUCCO FINISH. WEATHER RESISTANT BARRIER, BUILDING PAPER, FLASHING AND WINDOWS ARE TO BE INSTALLED IN THE SAME MANNER FOR OTHER APPLIED FINISHES ON THE BUILDING (STEPS 1 THROUGH 12). DETAILS FOR OTHER APPLIED FINISHES ARE TO BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION.

PROVIDE MANUF. APPROVAL OF SPECIAL DETAILS IN SUBMITTAL PACKAGE.

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT REVIEW ISSUE

REVISION HISTORY

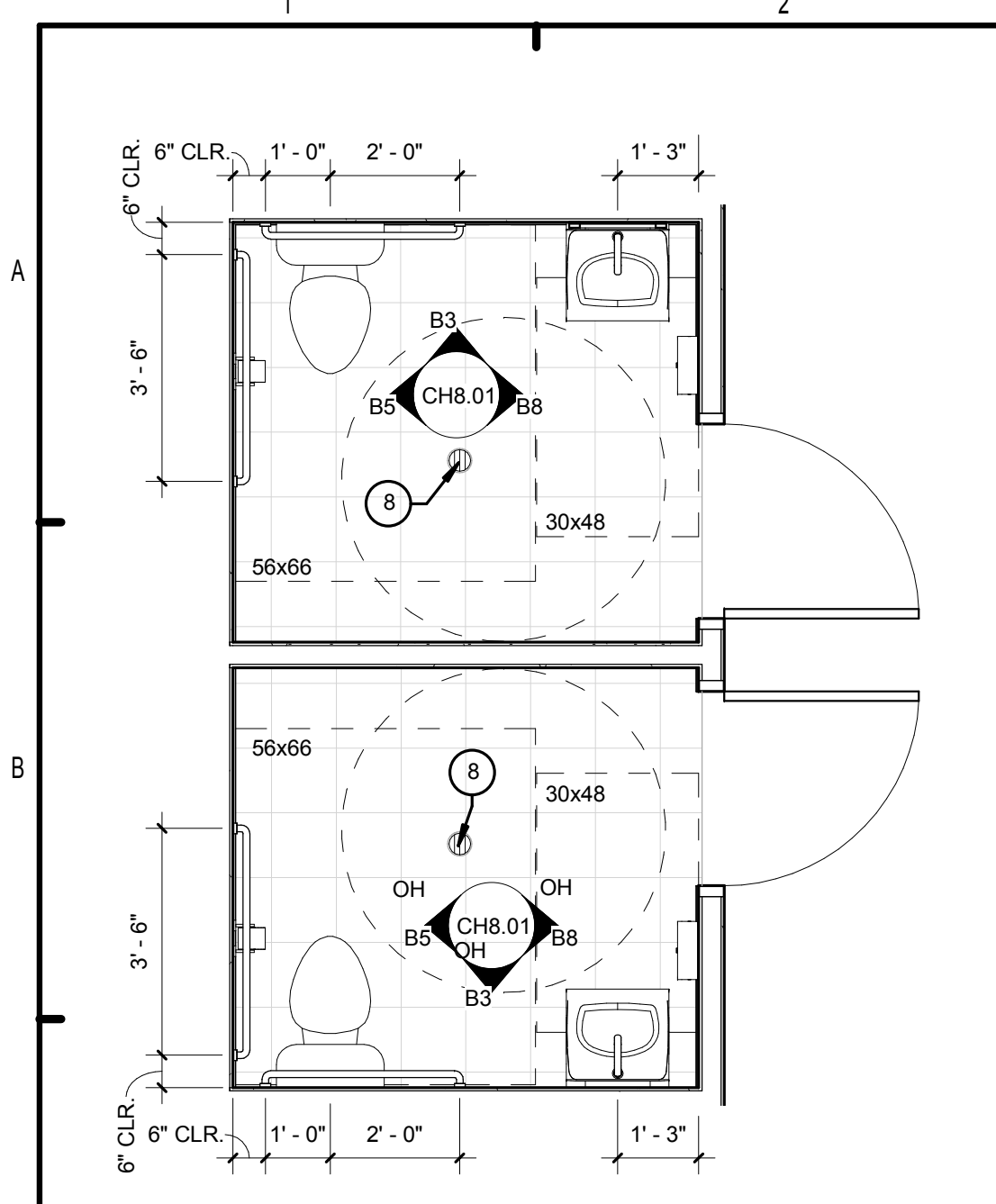
No.	Date	Description


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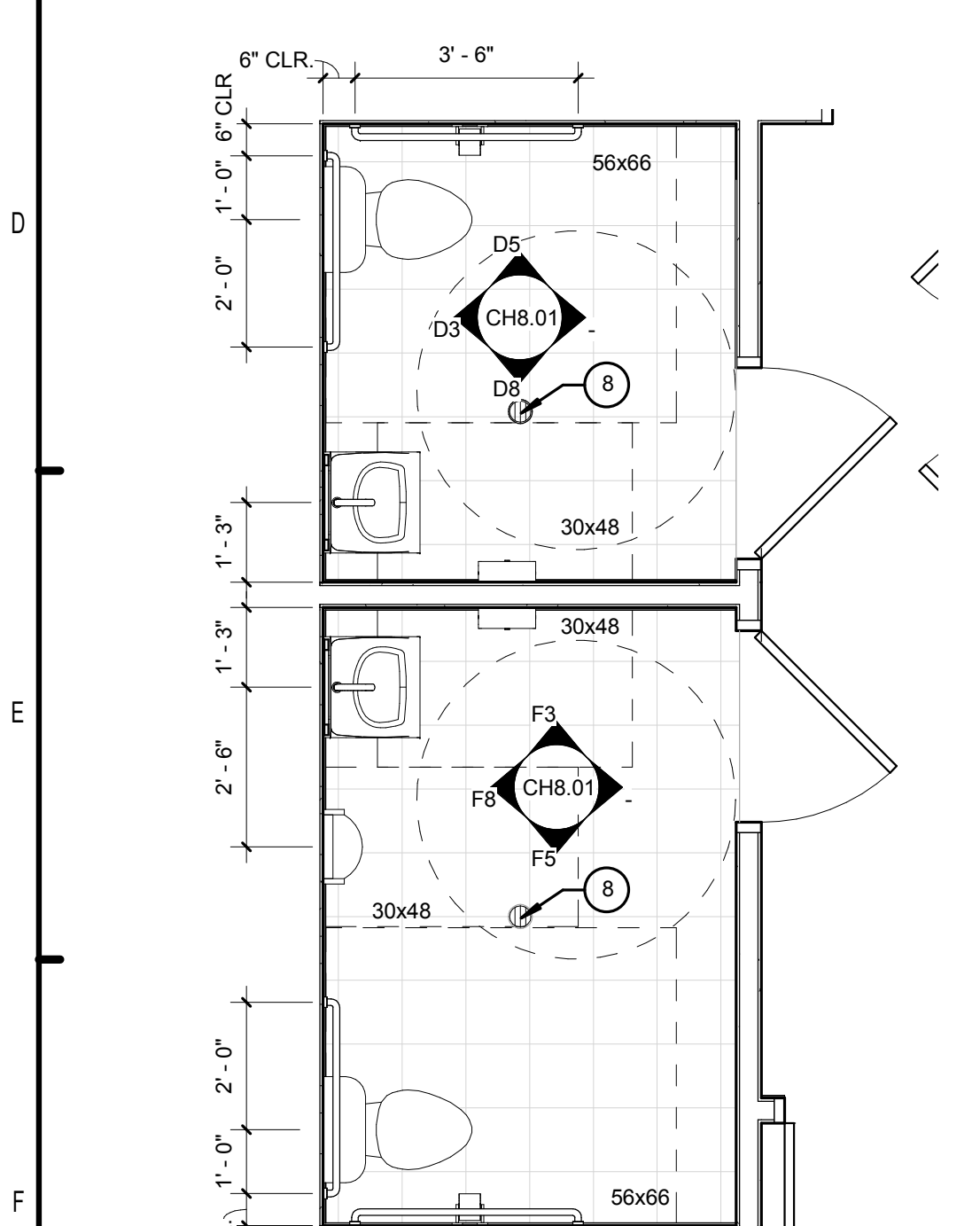
BRIDGEWAY APARTMENTS CLUBHOUSE
 CHATTANOOGA, TN.
 Date: 05/01/2013
 Project #: 5166.400

WINDOW WATERPROOFING CH7.03 DETAILS

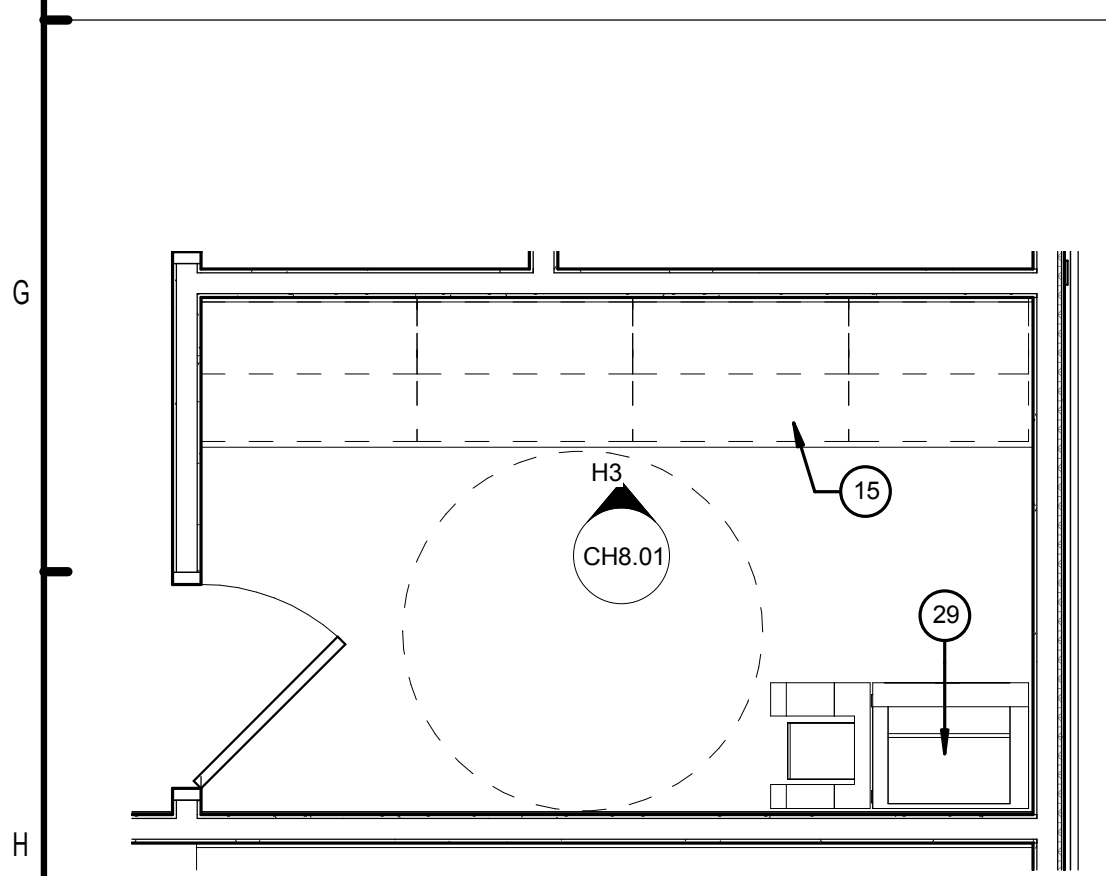
PATRICK O. FRICH
 LICENSE # 103195



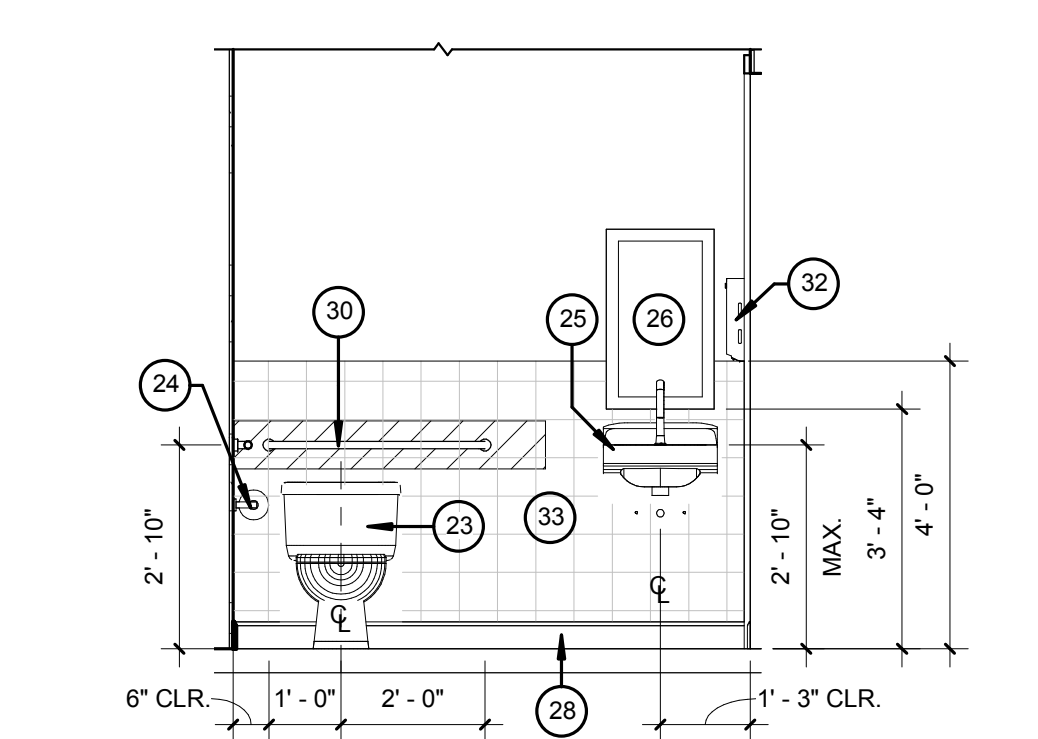
C1 CLUBROOM BATHROOMS
3/8" = 1'-0" H4/ CH2.01



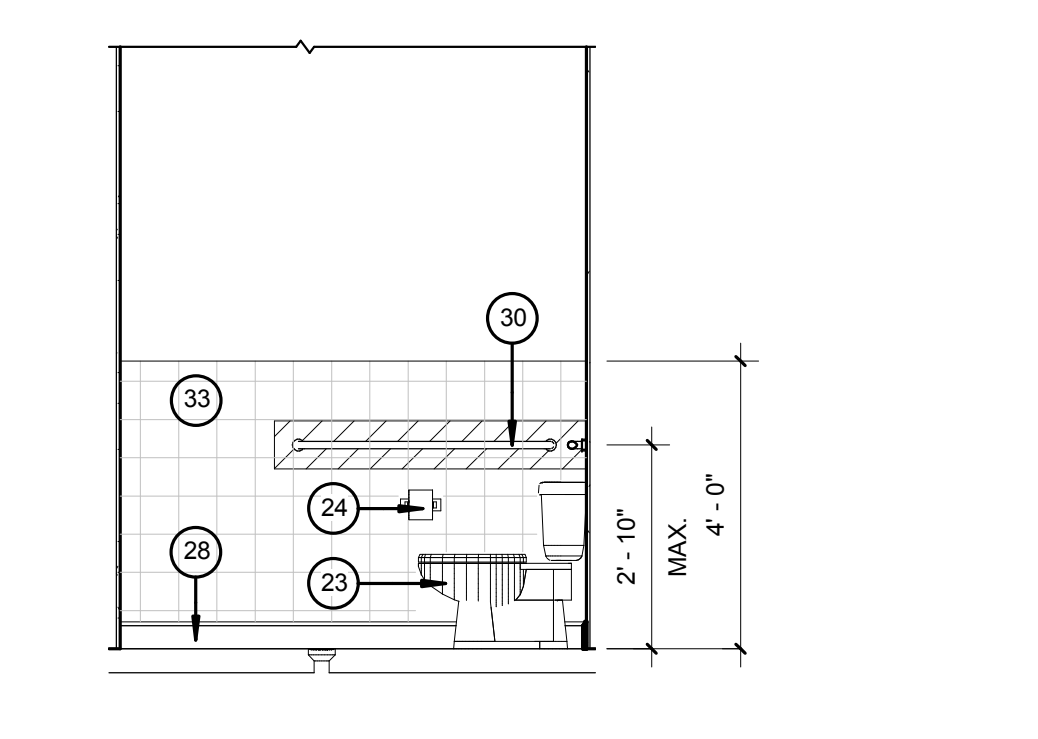
F1 WELCOME CTR. BATHRMS.
3/8" = 1'-0" H4/ CH2.01



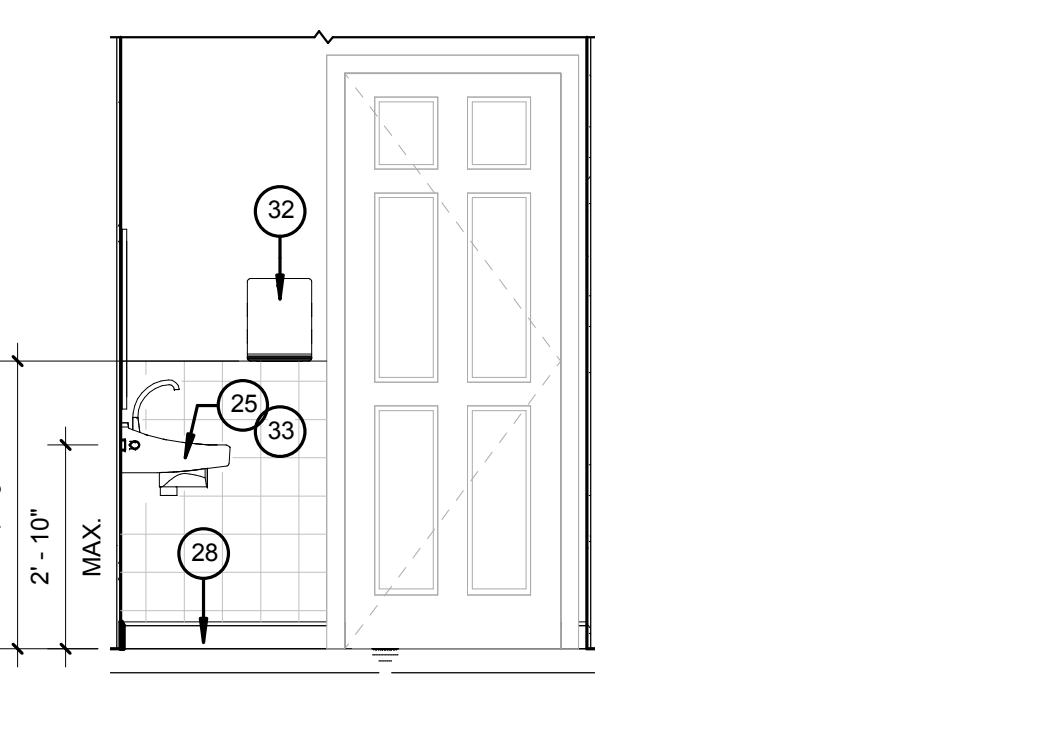
H1 WORK RM. - PLAN
3/8" = 1'-0" H4/ CH2.01



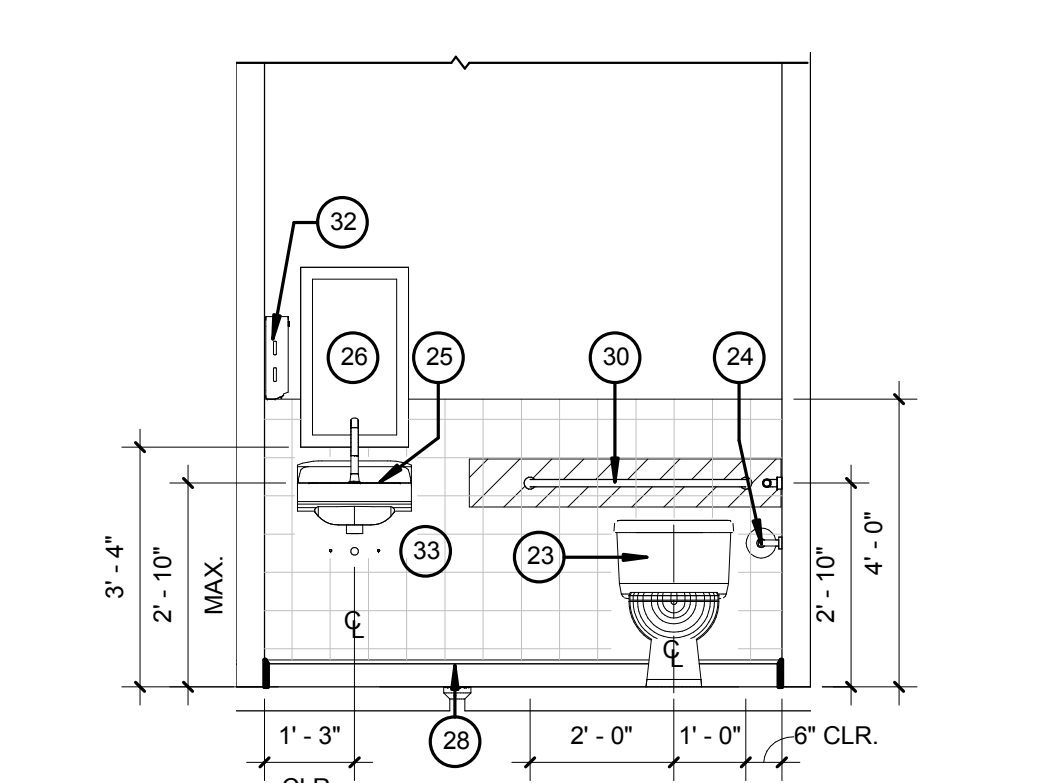
B3 INTERIOR ELEVATION
3/8" = 1'-0" C1/ CH8.01



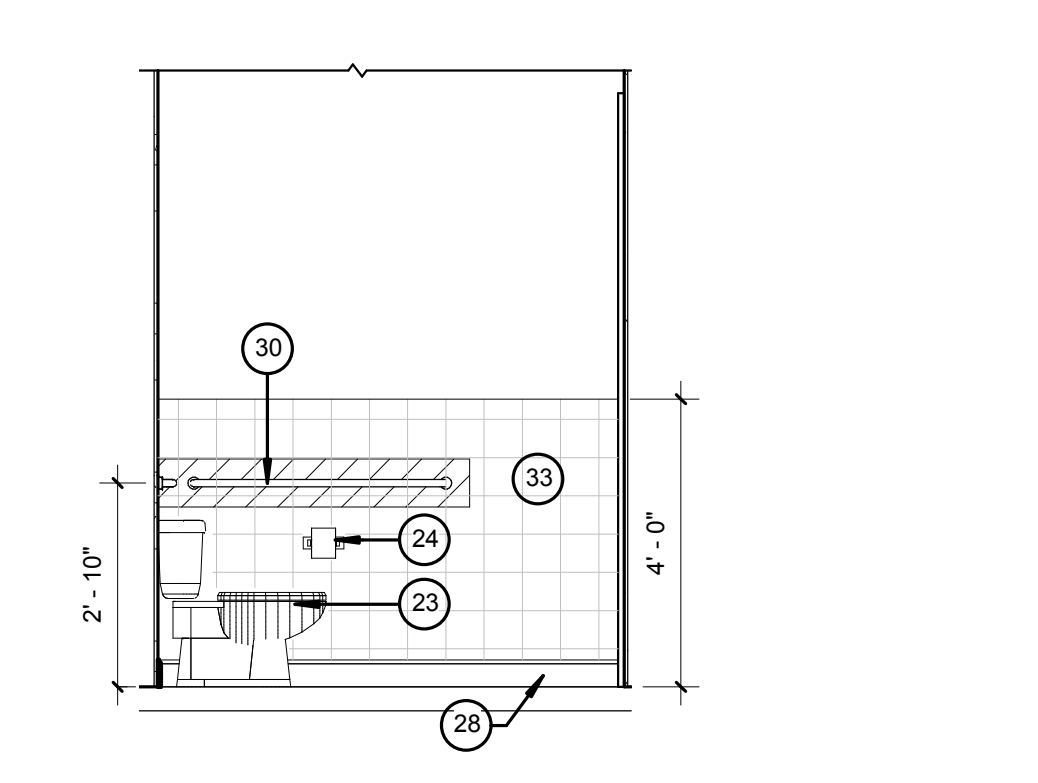
B5 INTERIOR ELEVATION
3/8" = 1'-0" C1/ CH8.01



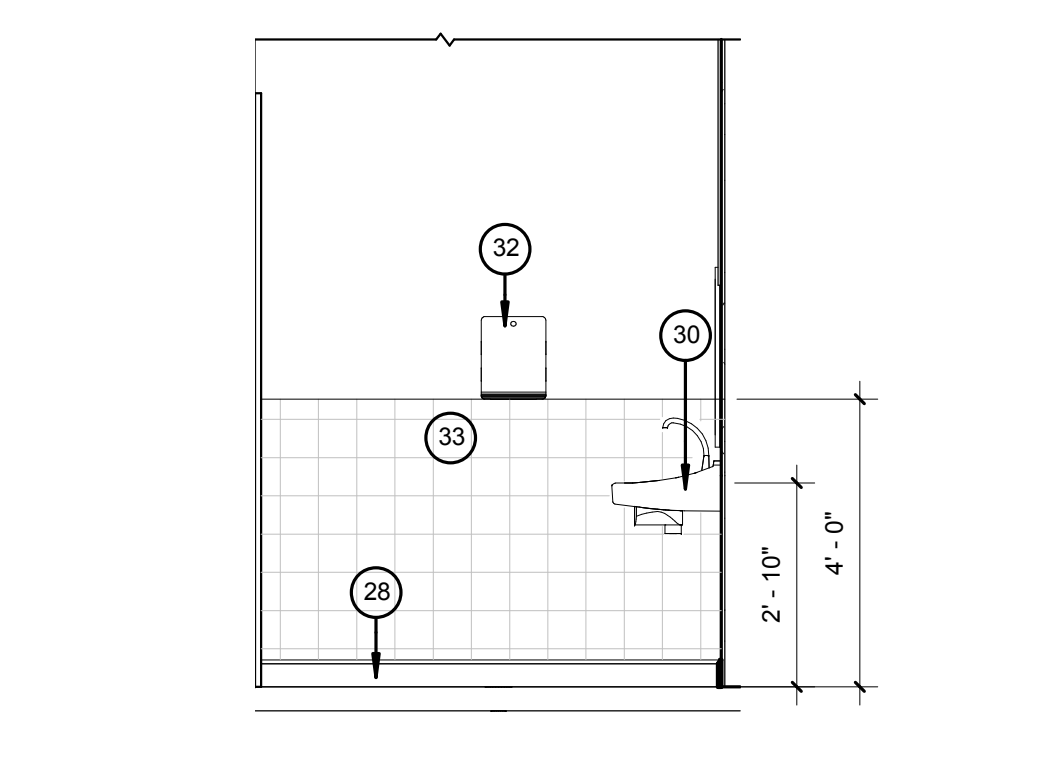
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3/8" = 1'-0" C1/ CH8.01



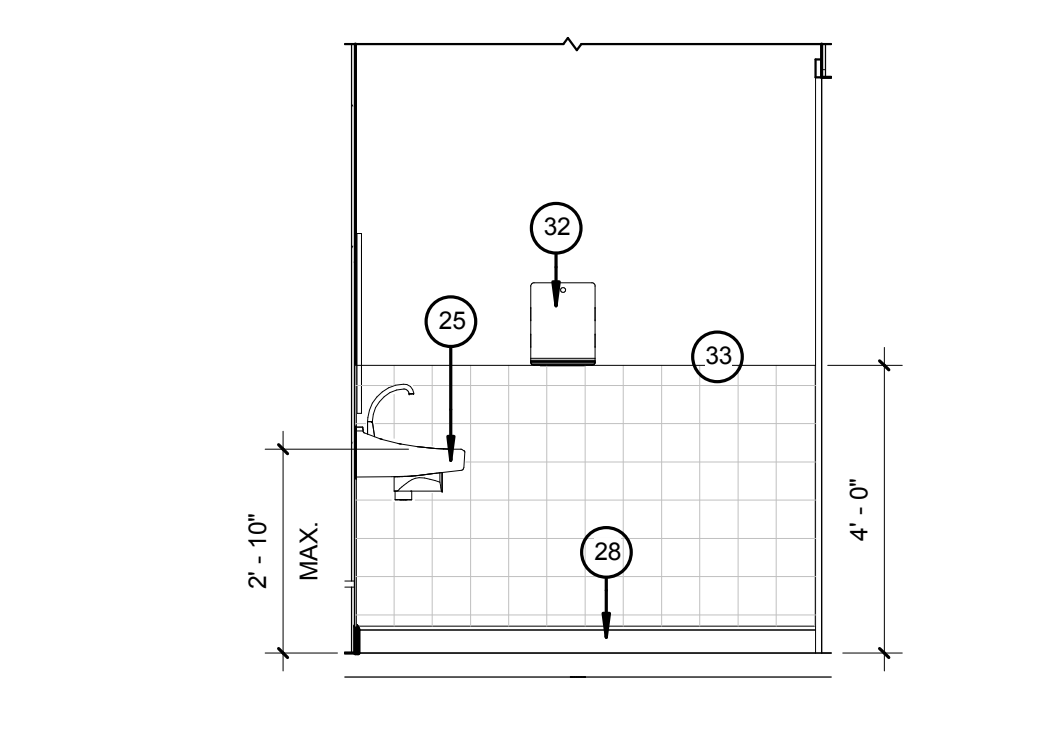
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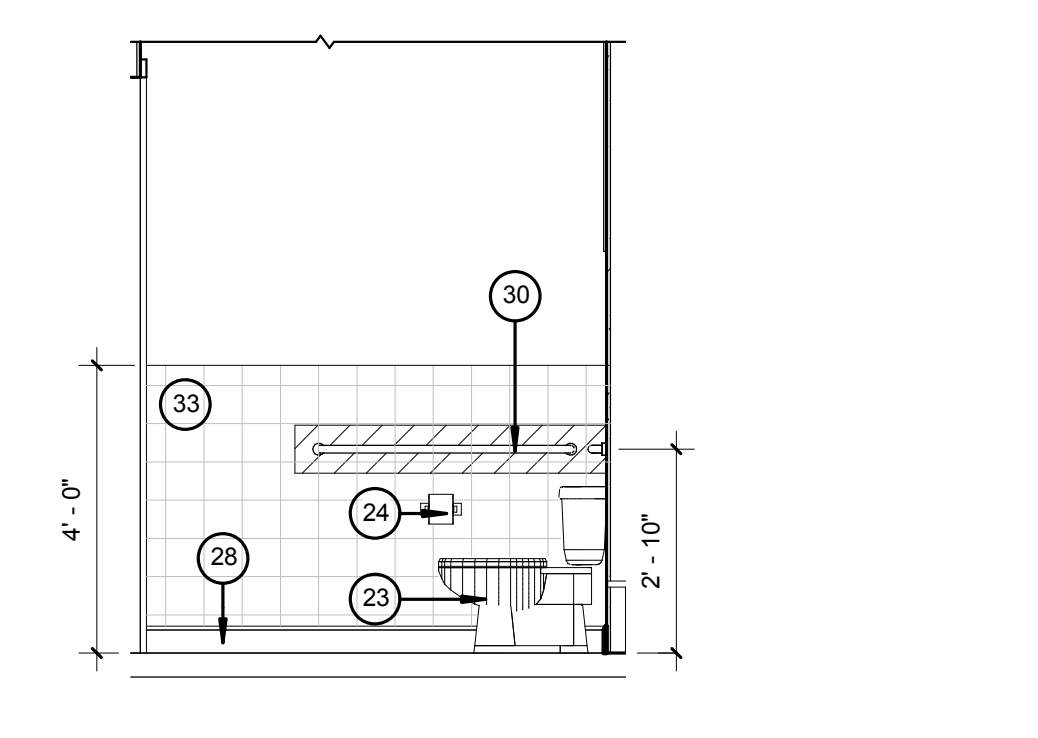
D5 INTERIOR ELEVATION
3/8" = 1'-0" F1/ CH8.01



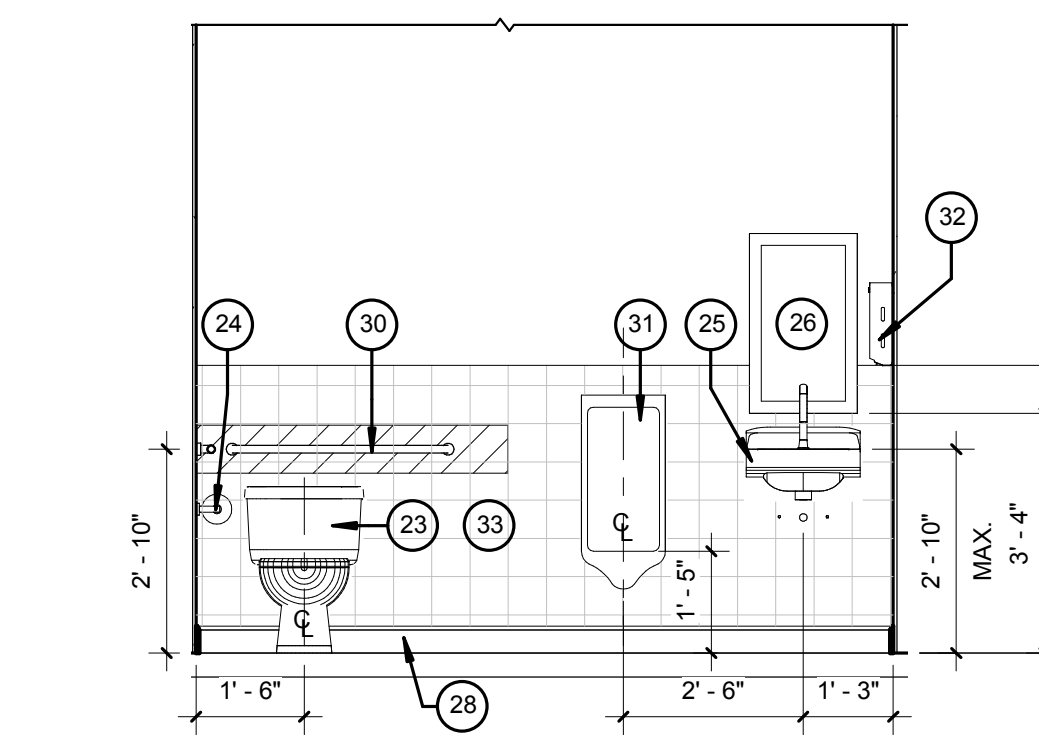
D8 INTERIOR ELEVATION
3/8" = 1'-0" F1/ CH8.01



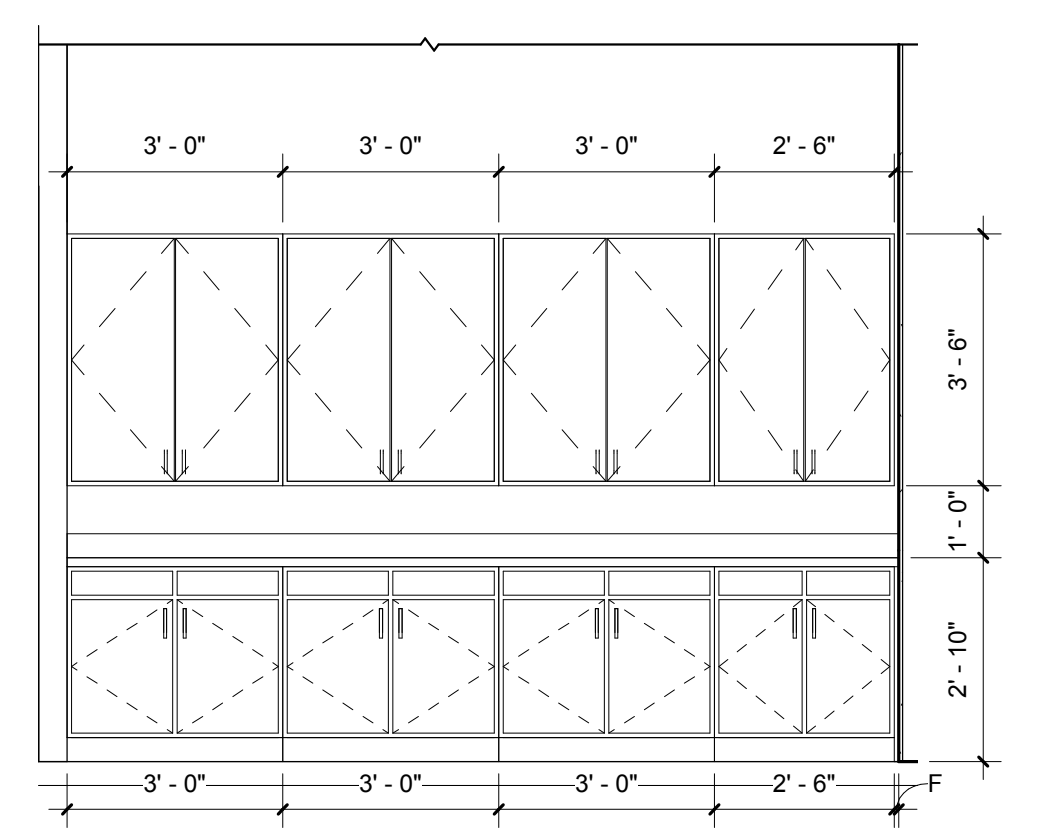
F3 INTERIOR ELEVATION
3/8" = 1'-0" F1/ CH8.01



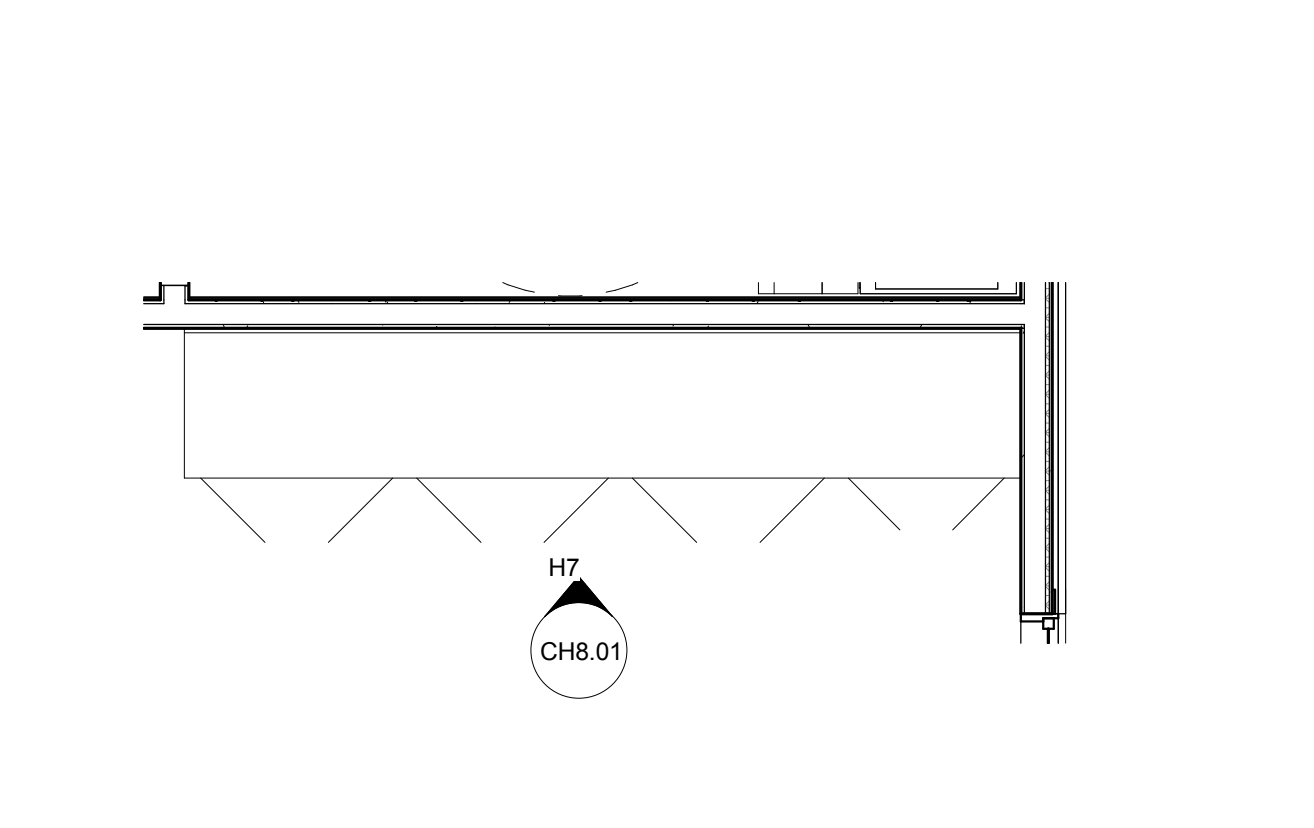
F5 INTERIOR ELEVATION
3/8" = 1'-0" F1/ CH8.01



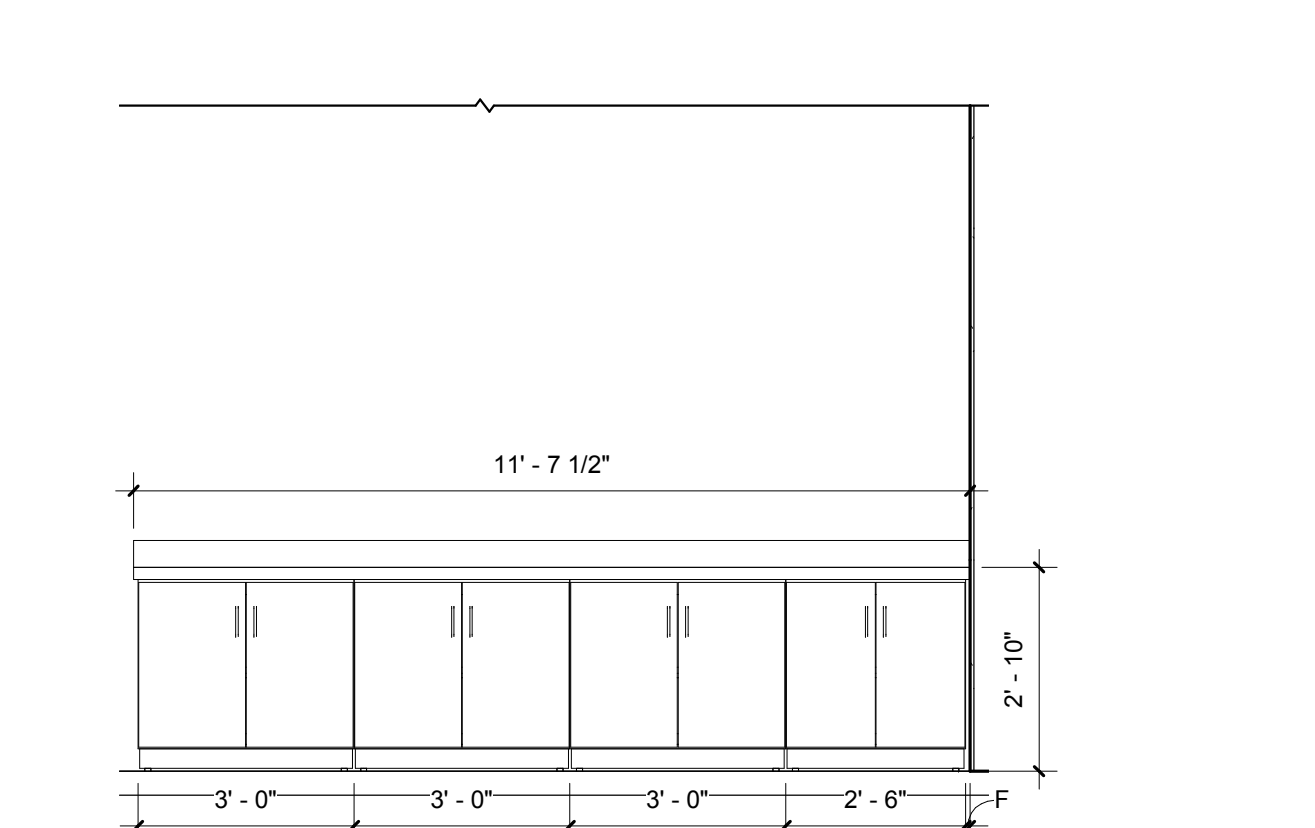
F8 INTERIOR ELEVATION
3/8" = 1'-0" F1/ CH8.01



H3 INTERIOR ELEVATION
3/8" = 1'-0" H1/ CH8.01



H5 WELCOME CENTER - PLAN
3/8" = 1'-0" H4/ CH2.01



H7 INTERIOR ELEVATION
3/8" = 1'-0" H5/ CH8.01

LEGEND: (XX)

1. DISHWASHER
2. REFRIGERATOR - BASIS OF DESIGN: GE MODEL PDW-1860N5S
3. KITCHEN SINK (SINGLE COMPARTMENT - CLUBHOUSE)
4. SLOPE EXTERIOR SLABS 1/8" FT. TOWARD EXTERIOR
5. FIRE EXTINGUISHER IN SEMI-RECESSED CABINET; PROVIDE 2A:10B:C EXTINGUISHER.
6. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44" ABOVE THE FLOOR.
7. EXTENDED COUNTERTOP W/ SUPPORTS
8. FLOOR DRAIN (SLOPE FLOOR TO DRAIN)
9. WIRE SHELF & POLE @ 72" A.F.F.
10. MOP SINK
11. WATER COOLER
12. TV OUTLET - WOOD BLOCKING REQUIRED FOR HIGH TV BRACKET. COORDINATE W/ OWNER
13. GAS FIREPLACE - MODEL No.
14. EDGE OF SLOPE IN SLAB
15. WALL & BASE CABINET W/ COUNTERTOP
16. A/C CONDENSING UNIT ON A 3x3" CONC. PAD
17. 5 WIRE SHELF
18. COORDINATE W/ CIVIL FOR SIDEWALKS & UTILITIES
19. BASE CABINET W/ COUNTERTOP
20. ELECTRICAL PANEL
21. DATA / COMM
22. HOT WATER HEATER
23. WATER CLOSET
24. TOILET PAPER DISPENSER
25. WASH BASIN
26. FRAMED MIRROR - 18" x 30"
27. WORKING COUNTER
28. BASE BOARD, AS SCHEDULED
29. OFFICE EQUIPMENT
30. GRAB BARS W/ WALL REINFORCEMENT
31. URINAL
32. WALL MOUNTED PAPER TOWEL DISPENSER
33. 6x6 WALL TILE, 4'-0" A.F.F.
34. MAGNETIC SWIPE CARD READER
35. HIGH-LOW, ADA DRINKING FOUNTAIN

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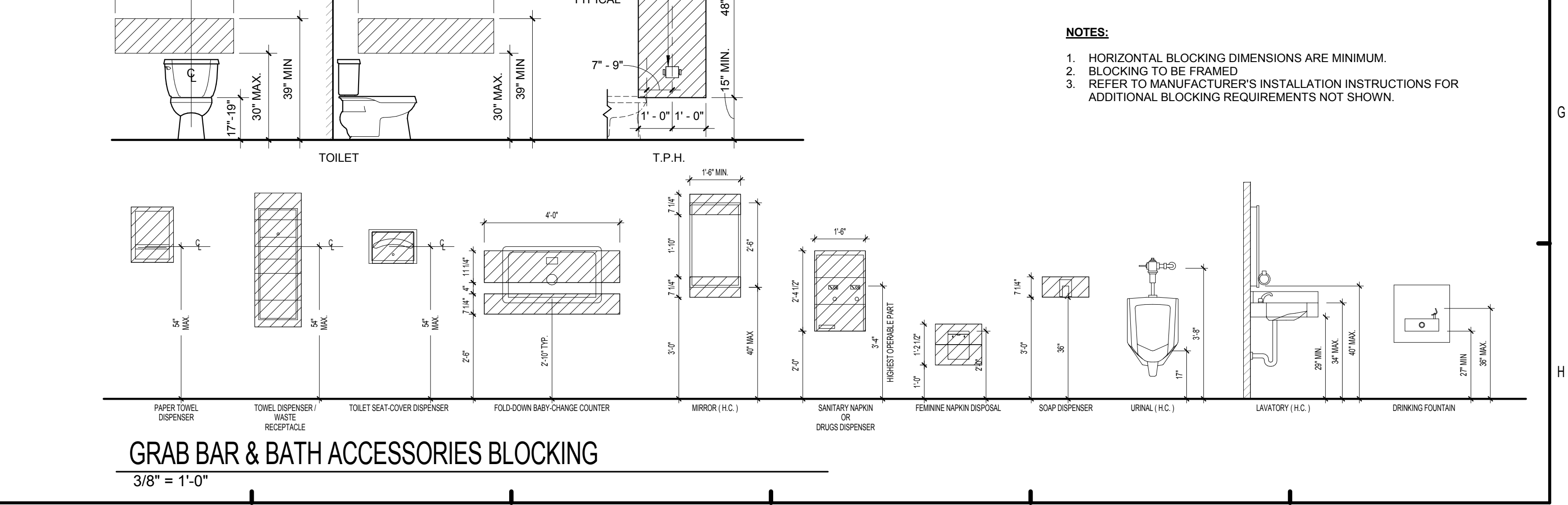
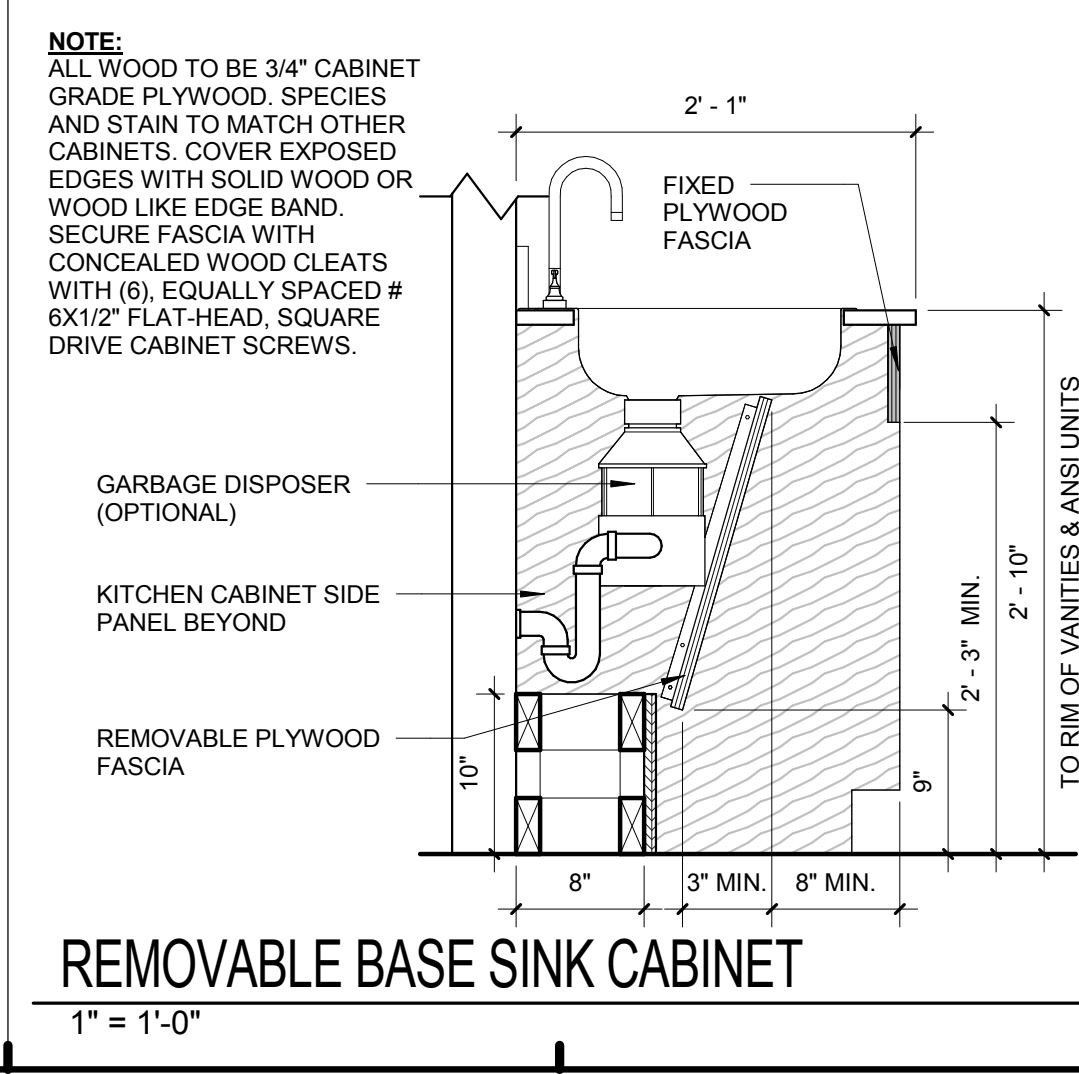
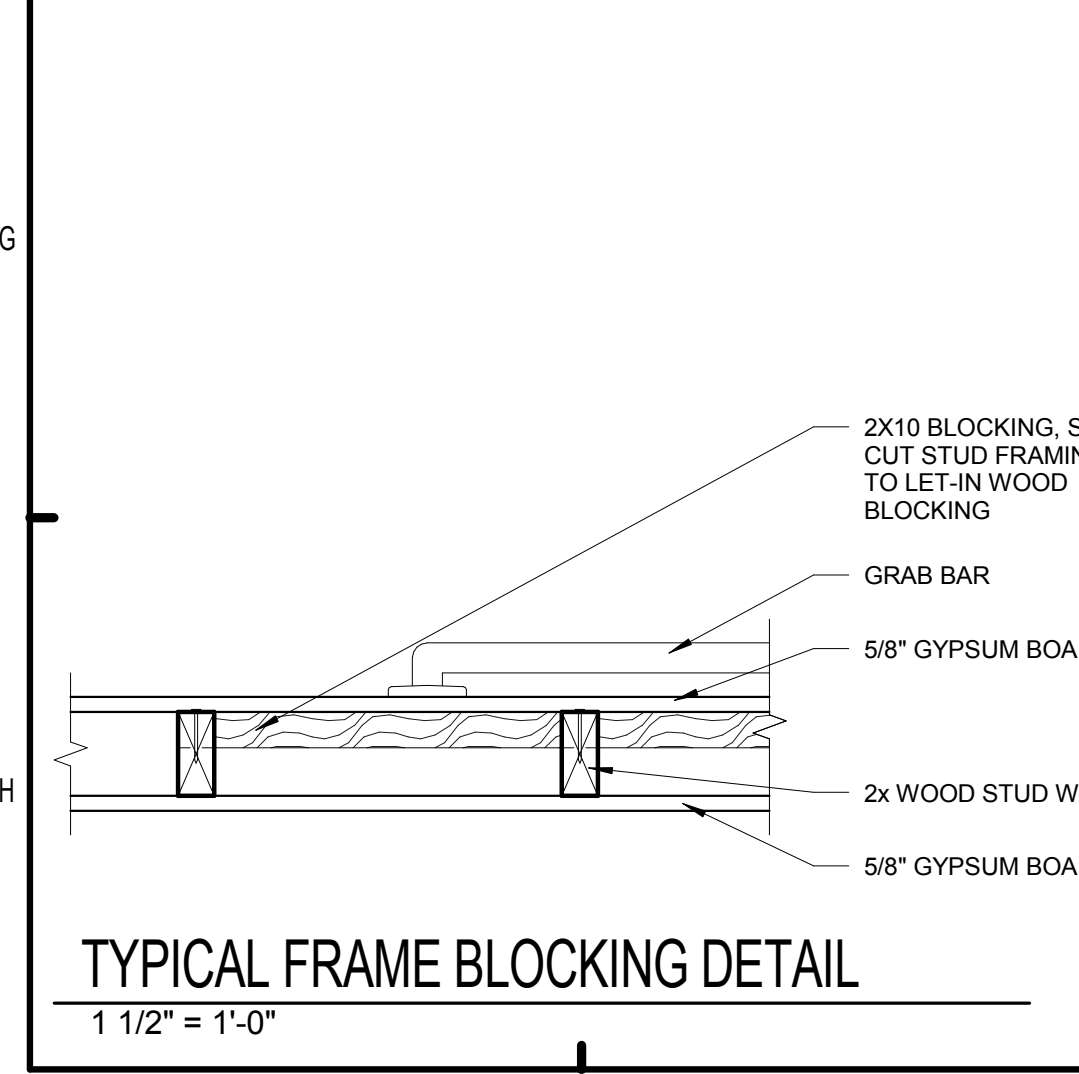
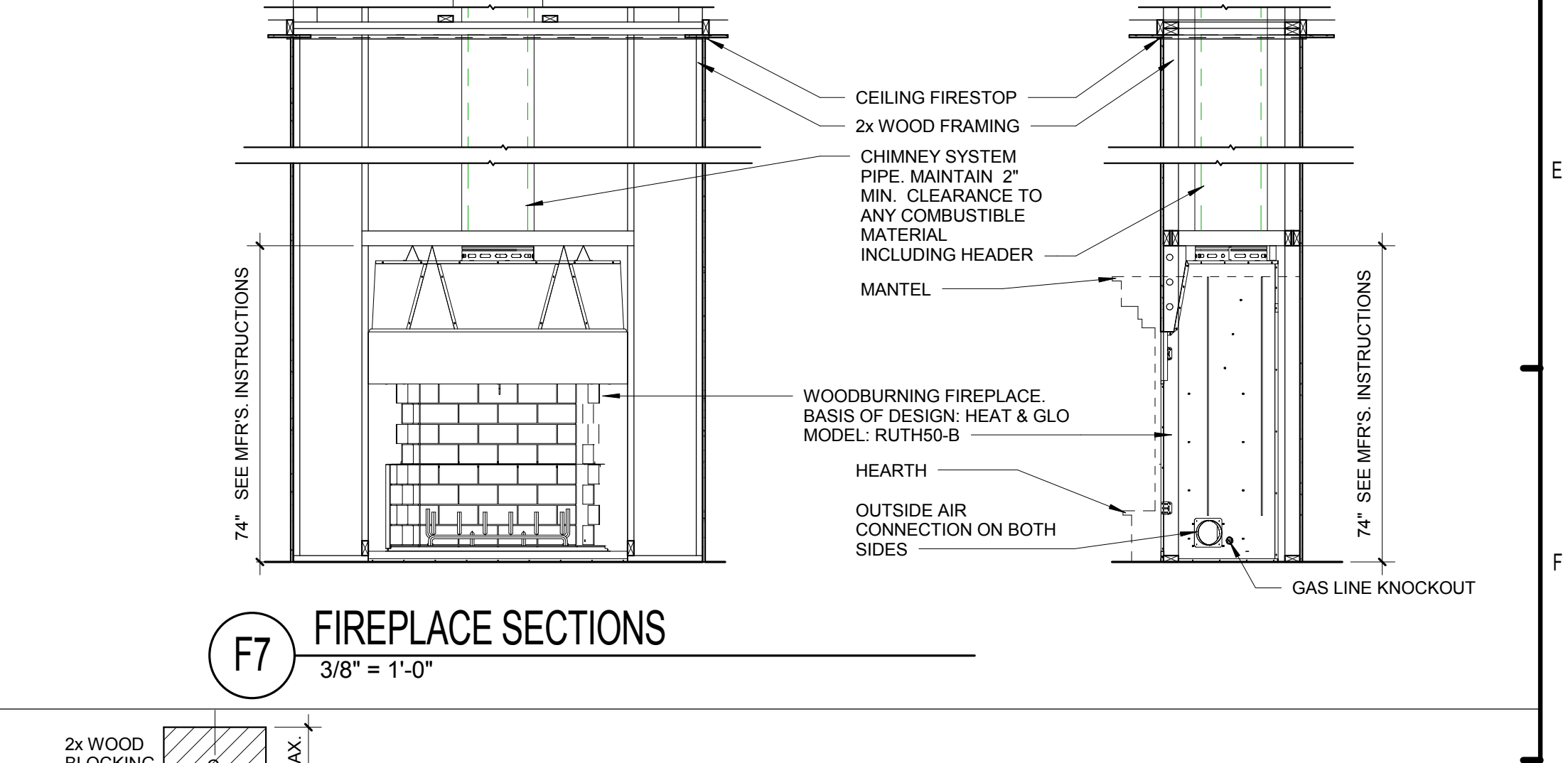
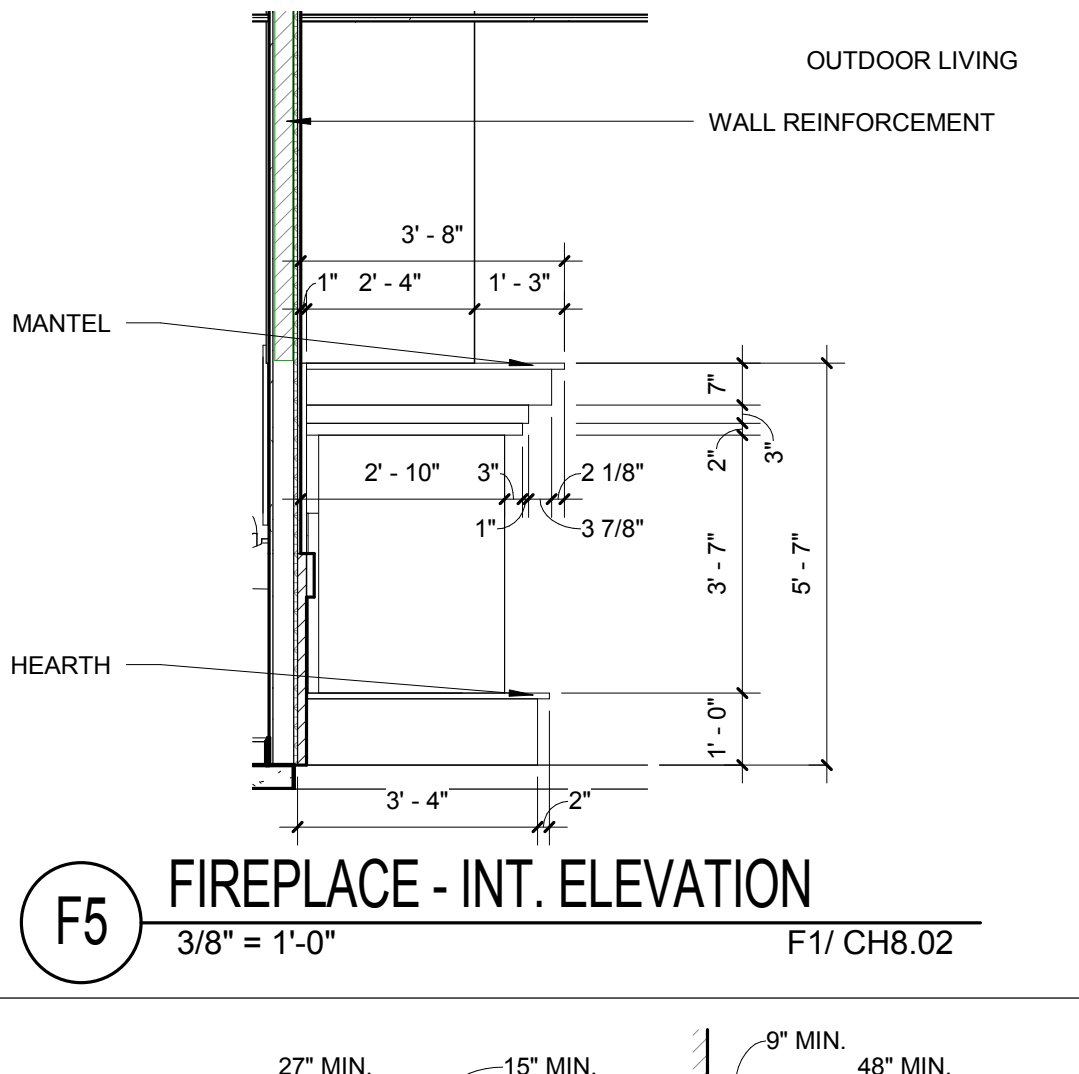
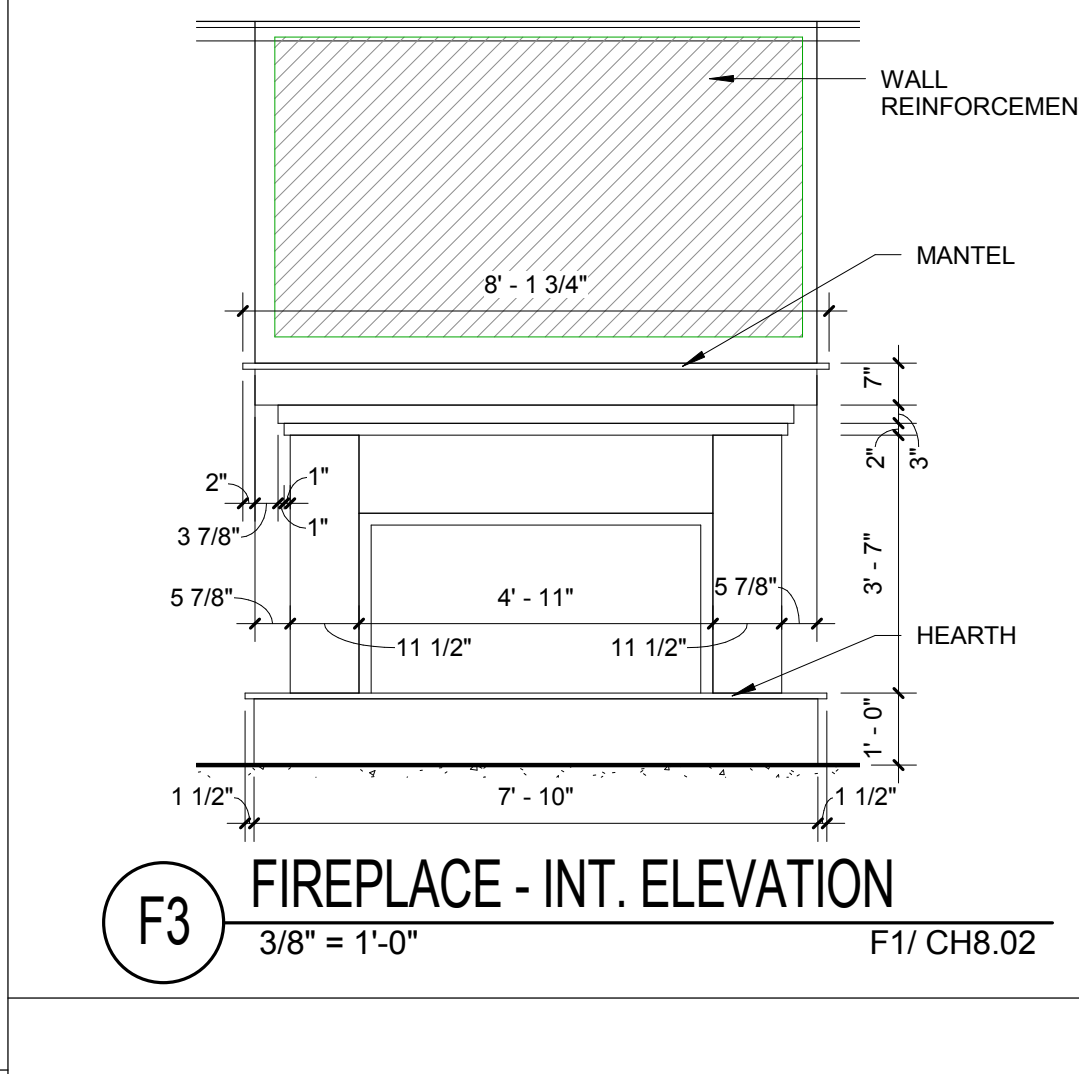
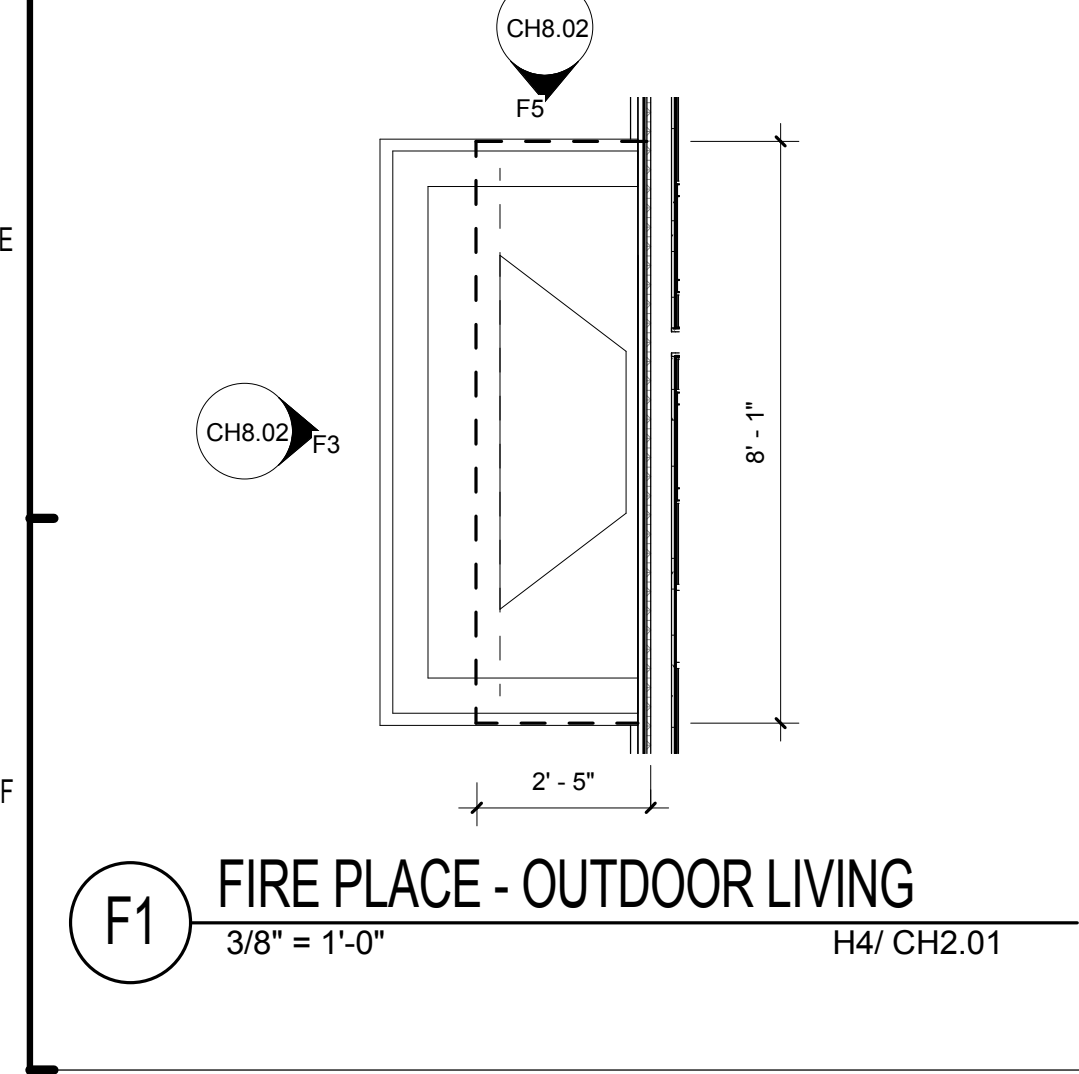
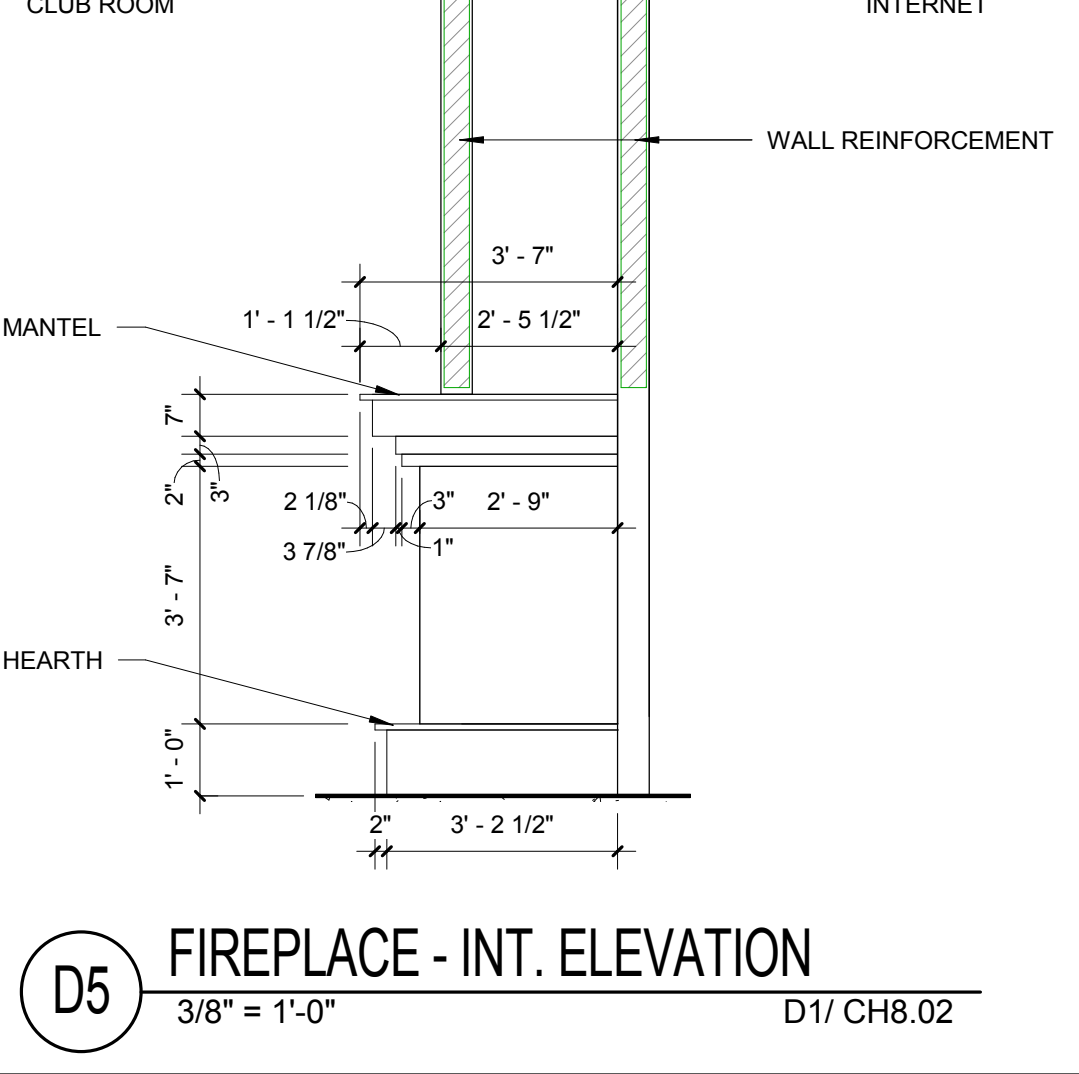
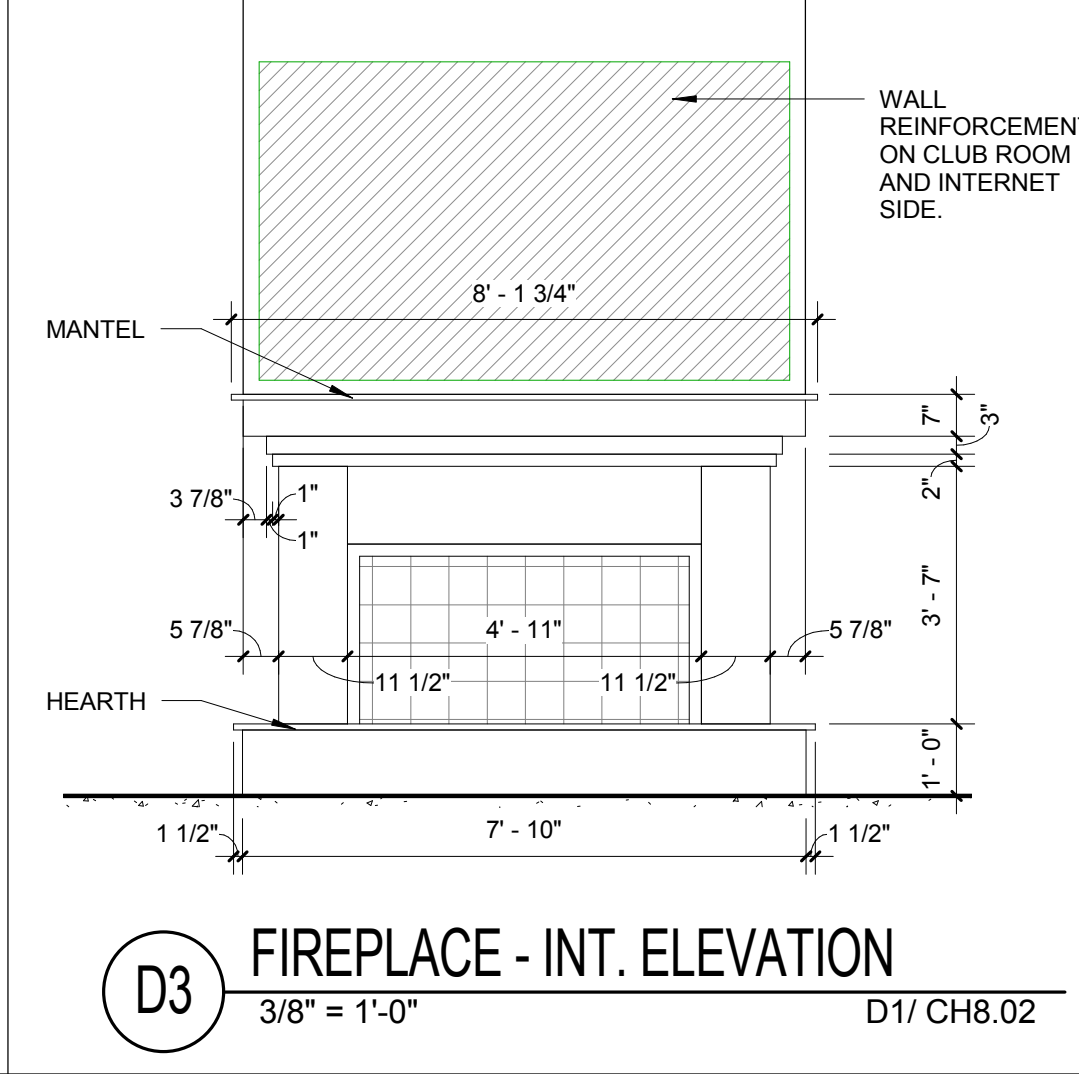
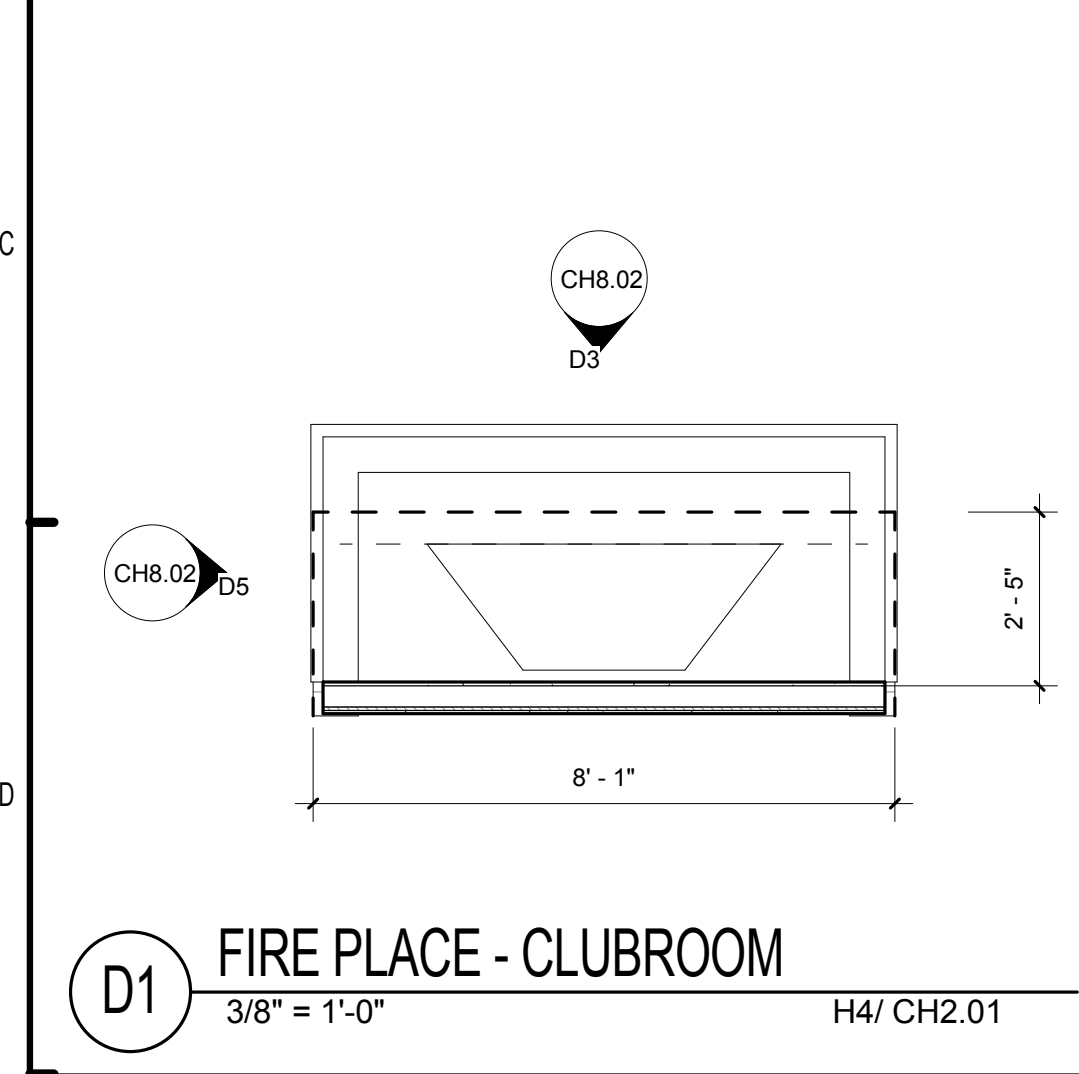
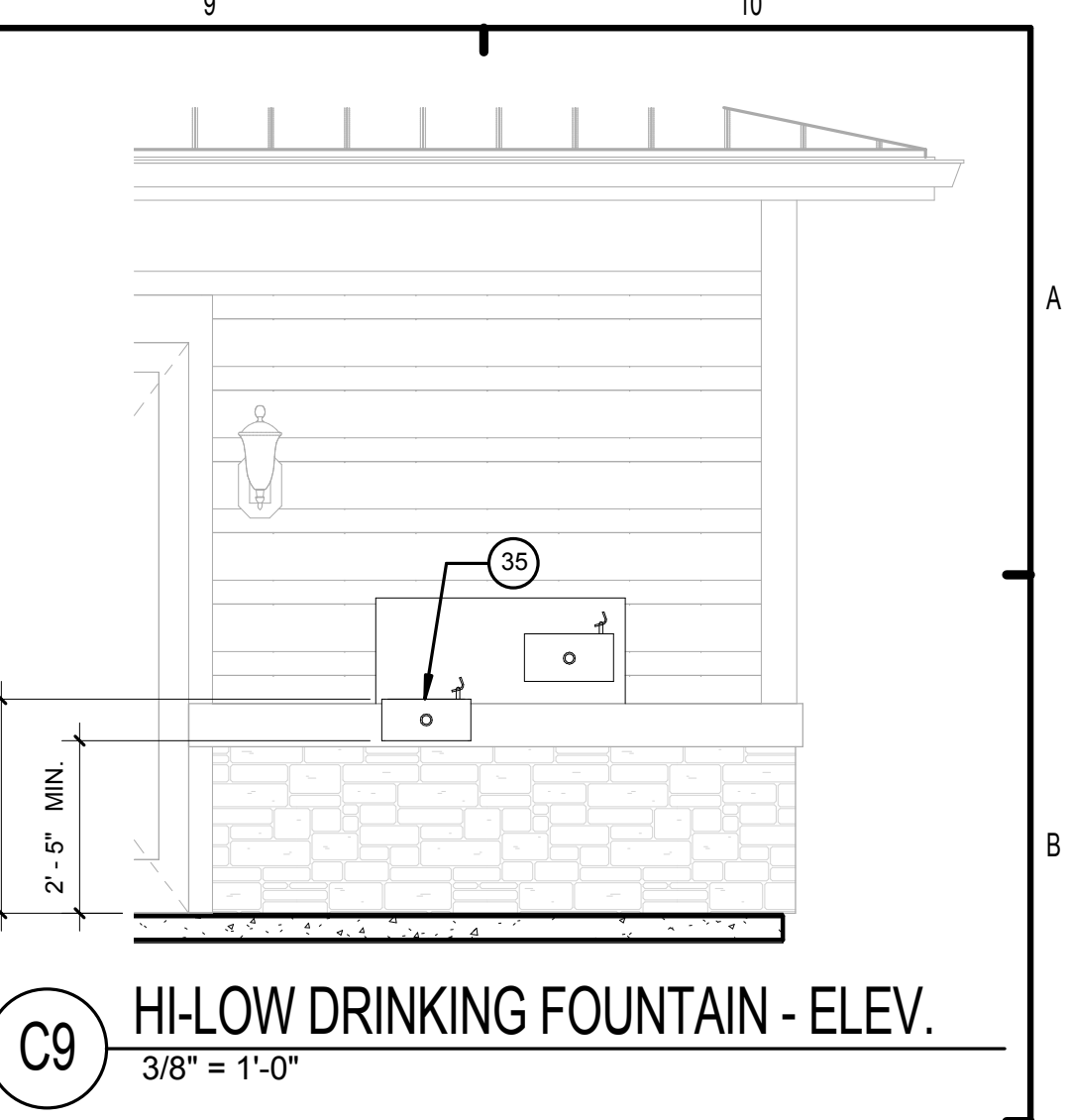
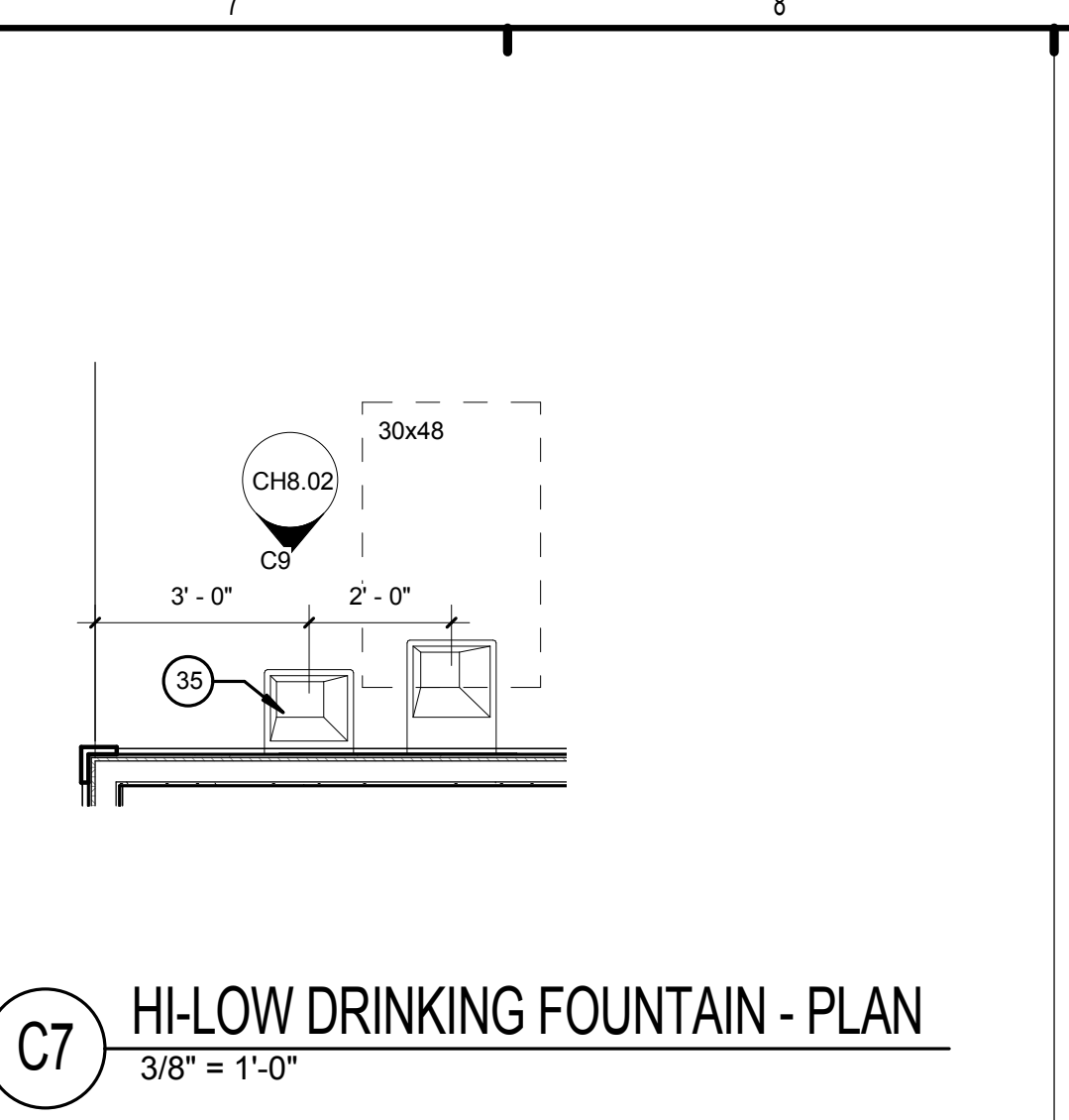
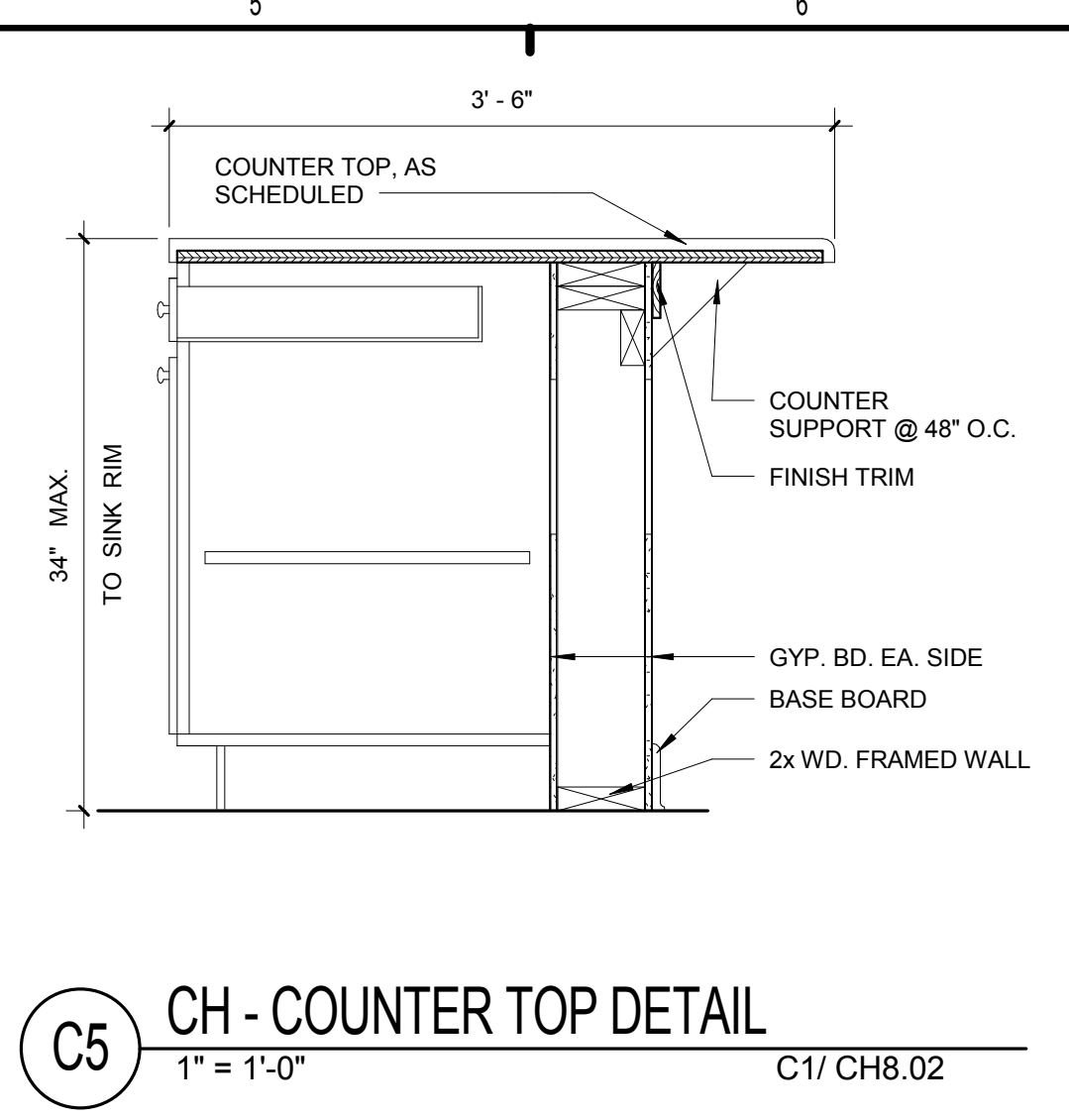
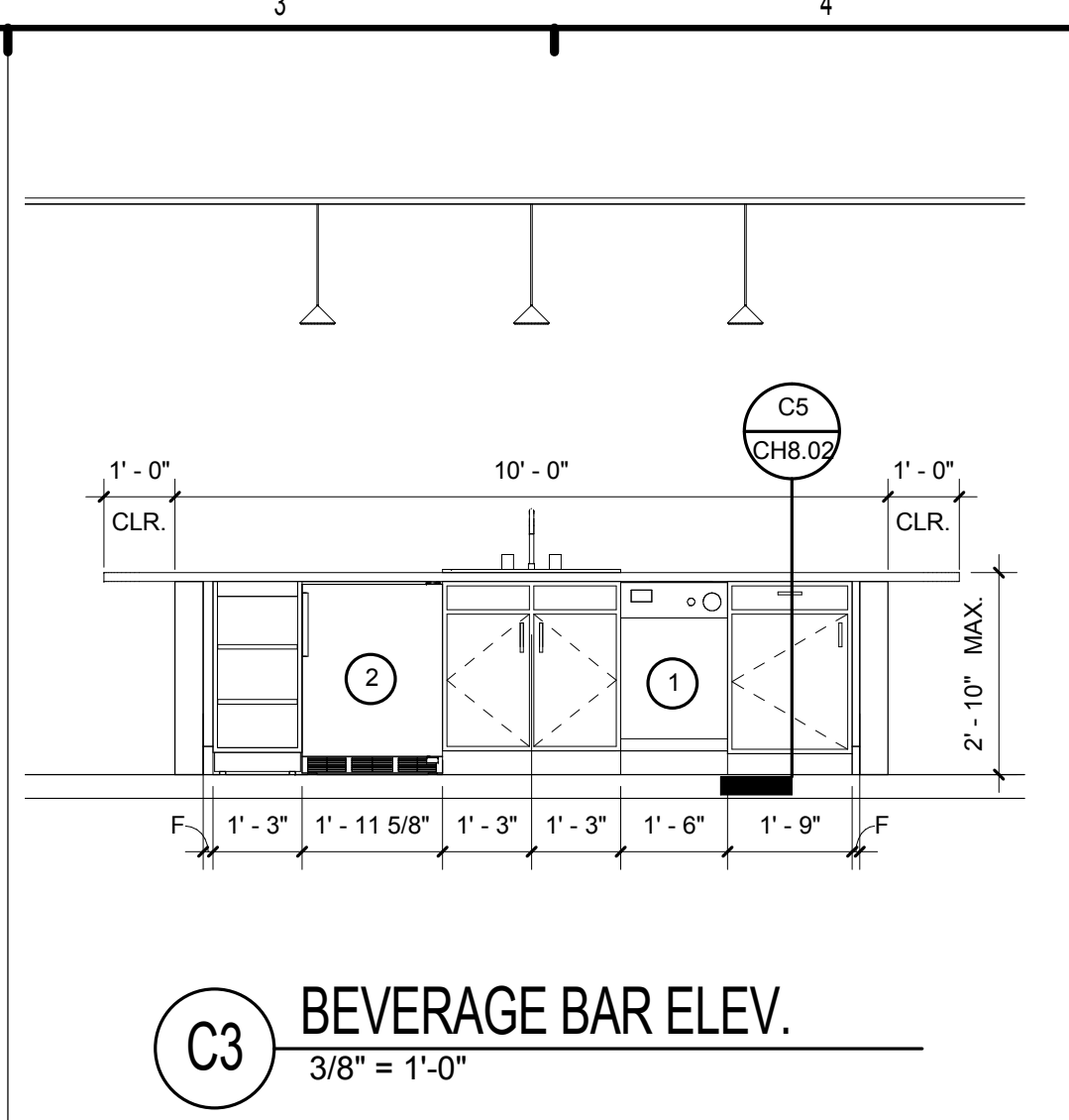
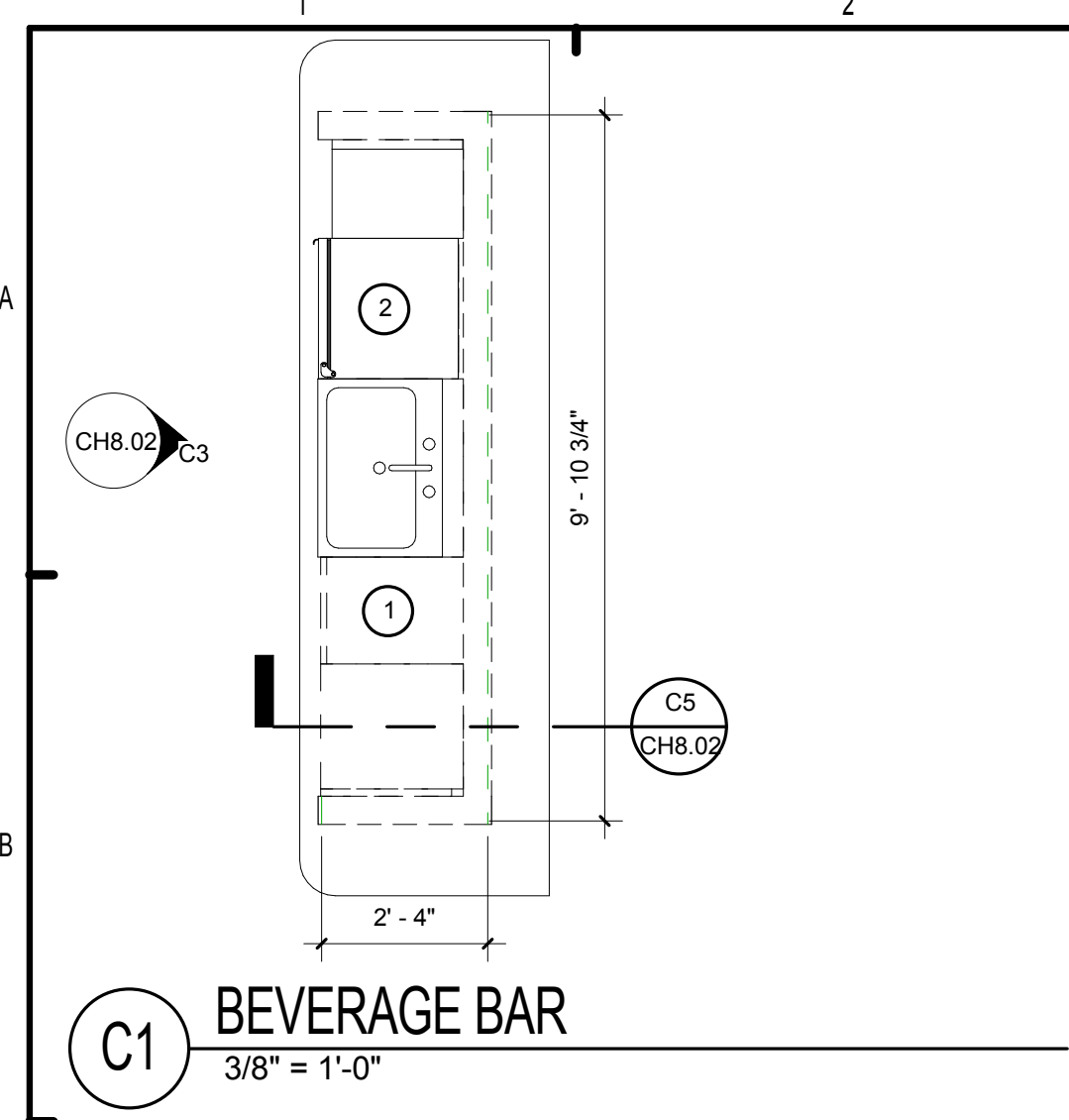
BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOOGA, TN.

Drawn: FZ
Checked: PF
Approval: PF
Date: 05/01/2013
Project #: 5166.400

CH ENLARGED PLANS AND INTERIOR ELEVATIONS

CH8.01

PATRICK D. FRICH
LICENSE # 103195



- LEGEND:** (XX)
- DISHWASHER - BASIS OF DESIGN: GE MODEL PDW-1860NSS
 - REFRIGERATOR - BASIS OF DESIGN: SUMMIT SCR600LCS
 - KITCHEN SINK (SINGLE COMPARTMENT - CLUBHOUSE)
 - SLOPE EXTERIOR SLABS 1/8" FT. TOWARD EXTERIOR
 - FIRE EXTINGUISHER IN SEMI-RECESSED CABINET. PROVIDE 2A:10B:C EXTINGUISHER.
 - CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44" ABOVE THE FLOOR
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 - BASE CABINET W/ COUNTERTOP
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 - HIGH-LOW, ADA DRINKING FOUNTAIN

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BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOOGA, TN.

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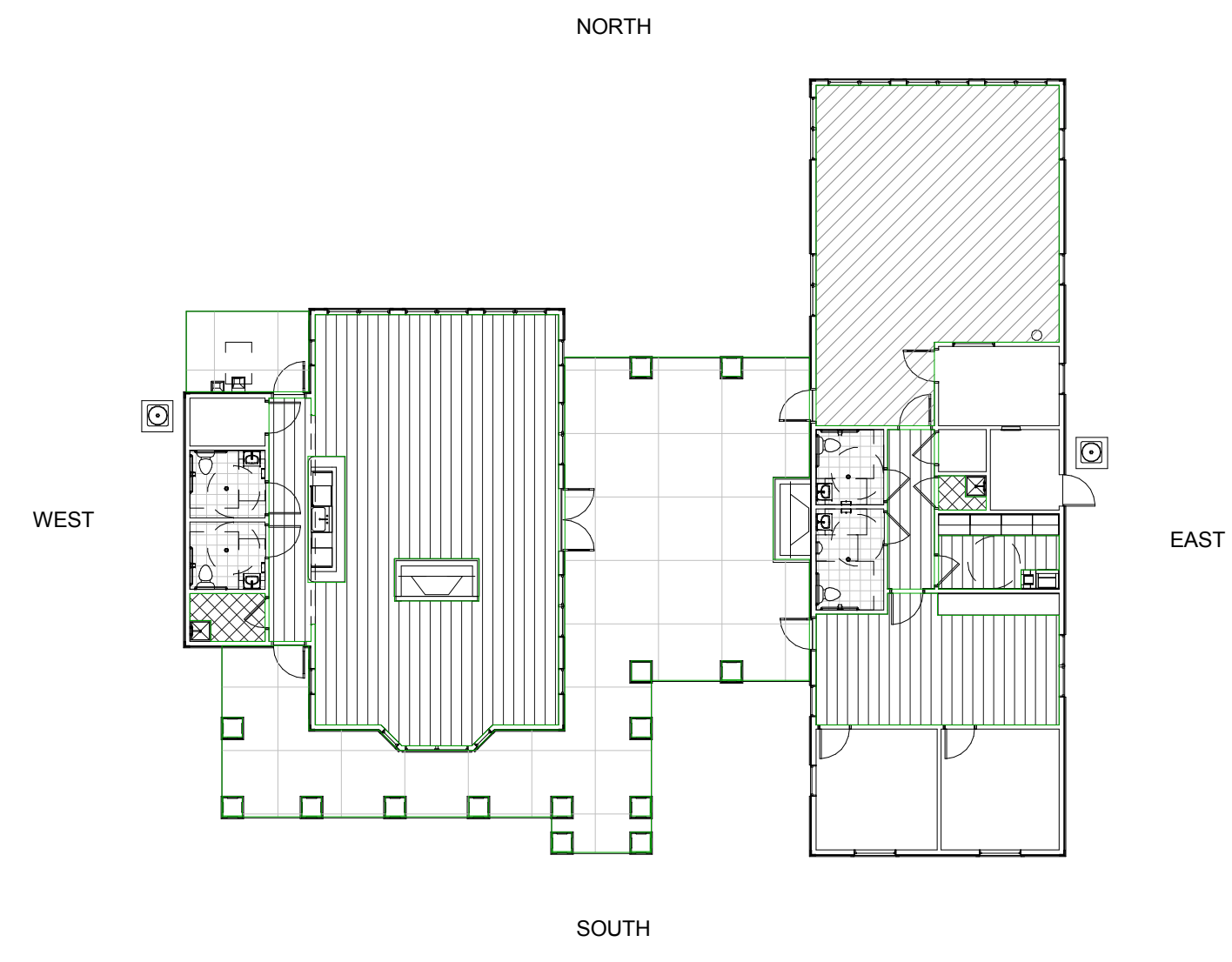
CH ENLARGED PLANS AND INTERIOR ELEV.

PATRICK O. FRICH
LICENSE # 103195

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FINISH SCHEDULE - CLUBHOUSE															
MARK	SPACE DESIGNATION	FLOOR MATERIAL	BASE MATERIAL	CROWN MOLDING	WALLS								CEILING		REMARKS
					NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	
					MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH			
CH-01	OFFICE #1	CPT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-02	OFFICE #2	CPT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-03	WELCOME CTR.	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-04	WORK RM.	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-05	ELECT. EQUIP.	CONC.	VWB		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-06	MECH.	CONC.	VWB		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-07	JAN.	VCT	VWB		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-08	HALL	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-09	FITNESS	RFT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-10	CLUB ROOM	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-11	INTERNET	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-12	MECH.	CONC.	VWB		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-13	MEN-02	CT-1	CWB	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-14	WOMEN-02	CT-1	CWB	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-15	JAN.	VCT	VWB		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-16	BEVERAGE BAR	LVT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-17	FRONT PORCH	CT-2	N/A		FC	PTD	FC	PTD	FC	PTD	FC	PTD	GYP. BD.	PTD	
CH-18	OUTDOOR LIVING	CT-2	N/A		FC	PTD	FC	PTD	FC	PTD	FC	PTD	GYP. BD.	PTD	
CH-19	KIDS RM.	CPT	WD.		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-20	MEN-01	CT-1	CWB	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-21	WOMEN-01	CT-1	CWB	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-22	MAINTENANCE	CONC.	N/A		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	
CH-23	GARAGE	CONC.	N/A		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GYP. BD.	PTD	



C8 CLUBHOUSE - KEY PLAN
1/16" = 1'-0"

FLOOR FINISH LEGEND:

- CONC = SEALED CONCRETE
- RFT = RUBBERIZED FLOORING
- CPT = CARPET
- LVT = LUXURY VINYL TILE
- CT-1 = 12"x12" CERAMIC TILE
- CT-2 = 24"x24" CERAMIC TILE
- VCT = VINYL COMPOSITION TILE

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BRIDGEWAY APARTMENTS CLUBHOUSE
 CHATTANOOGA, TN.
 Date: 05/01/2013
 Project #: 5166.400

FINISH SCHEDULES
CH8.10

PATRICK D. FITCH
 LICENSE # 103195

GENERAL NOTES

- IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE 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.

CODES AND SPECIFICATIONS

A. GENERAL BUILDING CODE:

- INTERNATIONAL BUILDING CODE 2006.

B. CONCRETE:

- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-89)
- SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-84).

DESIGN LOADS

A. DESIGN LIVE LOADS

ROOF.....	20 PSF
ELEVATED FLOORS.....	40 PSF
BALCONY, CORRIDORS AND BREEZE WAYS.....	100 PSF
STAIRS.....	100 PSF

B. WIND LOADS:

- BASIC WIND SPEED = 90 MPH
- IMPORTANCE FACTOR = 1.0
- WIND EXPOSURE C.
- INTERNAL PRESSURE COEFFICIENT ; 0.18 FULLY ENCLOSED STRUCTURE
- COMPONENTS AND CLADDING: +20.8 PSF AND -22.6 PSF FOR DESIGN WIND PRESSURES.

C. ROOF SNOW LOADS:

- GROUND SNOW LOAD.....10 PSF
- SNOW EXPOSURE FACTOR (Ce).....0.7
- SNOW IMPORTANCE FACTOR.....1.0

D. SEISMIC LOADS:

- SEISMIC DESIGN CATEGORY.....C

FOUNDATIONS

- FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF, WHICH SHALL BE VERIFIED BY A TENNESSEE REGISTERED GEOTECHNICAL ENGINEER PRIOR TO THE START OF WORK.
- PLACE FOOTINGS/SLAB ON COMPACTED SOIL. FOLLOW RECOMMENDATIONS OF SOILS REPORT.
- VERIFY BEARING CAPACITY BY TESTING PRIOR TO SLAB PLACEMENT. SUBMIT REPORTS TO ARCHITECT.

CAST-IN-PLACE CONCRETE

- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, HAVE A SLUMP OF 4" PLUS OR MINUS 1", AND HAVE 2-4% AIR ENTRAINMENT.
- ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-99.
- ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI 315-80.
- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS, ETC., AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED.
- CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC., NECESSARY TO SUPPORT REINFORCING STEEL.
- ALL SLABS SHALL BE POURED MONOLITHICALLY, EXCEPT FOR REQUIRED CONSTRUCTION JOINTS.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
3"-----CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.
1-1/2"-----ALL OTHER CASES.
- HORIZONTAL SLAB BARS SHALL BE BENT 1'-6" AROUND CORNERS, OR PROVIDE CORNER BARS WITH A 2'-0" LAP ON EACH LEG.
- TESTING LABORATORY SHALL SUBMIT ONE COPY OF ALL CONCRETE TEST REPORTS DIRECTLY TO THE POST TENSION ENGINEER ARCHITECT-SEE SPECS.

WOOD CONSTRUCTION

- WOOD CONSTRUCTION SHALL CONFORM TO THE NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION.

- ALL WALL STUDS SHALL BE NO. 2 SOUTHERN YELLOW PINE FINGER JOINT OR SOLID WITH 9' PRE-CUT STUDS TO BE USED. STUDS FOR ALL STUD WALLS SHALL BE AS FOLLOWS:
 $2 \times 4'S @ 16" O.C. (U.N.O.)$
OR (2) $2 \times 4'S @ 16" O.C. W/ 10d NAIL @ 10" O.C.$ SEE PLAN

- PLACE A SINGLE PLATE AT THE BOTTOM AND A DOUBLE PLATE AT THE TOP OF ALL STUD WALLS. 2x SOLE PLATES AT THE EDGES OF SLABS SHALL BE ATTACHED TO THE SLAB WITH SIMPSON MAS MUDSILL ANCHORS (WITH 6 10d NAILS) AT 32" O.C. AT INTERIOR STUD WALLS PROVIDE EITHER HILTI ZF72 (WITH 2 7/8" LENGTH, 5/64" THICK WASHERS) POWDER DRIVEN FASTENERS AT 8" ON CENTER, OR 1/2" DIAMETER ANCHOR BOLTS WITH 6" EMBEDMENT, AT 32" ON CENTER. RED-HEAD FASTENERS OF EQUIVALENT SIZES MAY BE USED. ALL OTHER SUBSTITUTIONS MUST BE APPROVED BY ADVANCED STRUCTURAL ENGINEERING PRIOR TO INSTALLATION. SEE THE SHEAR WALL SCHEDULE BELOW FOR SPECIAL SOLE PLATE ATTACHMENT

- STUDS SHALL BE PACKED AT ALL ANGLES, CORNERS, AROUND ALL OPENINGS AND AT SHEAR WALLS. SEE SCHEDULES, UL ASSEMBLIES AND ARCH. DETAILS FOR REQUIREMENTS.

- WOOD LINTELS OVER OPENINGS SHALL BE AS NOTED PER DETAIL 1/S5.02. NAIL MULTIPLE STUDS TOGETHER WITH 16d NAILS @ 12" O.C. EACH PLY.

- WALL SHEATHING SHALL BE: (SEE SHEAR WALL SCHEDULE S1.02 FOR REQUIREMENTS AT SHEAR WALLS.)

AT INTERIOR WALLS PROVIDE 5/8" GYPSUM WALLBOARD (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS) EACH SIDE OF STUDS, NAILED WITH 5d COOLER NAILS AT 7" O.C. (USE 6d COOLER NAILS FOR 5/8" WALLBOARD) AT ALL SUPPORTS. PROVIDE SOLID 2x BLOCKING AT ALL SHEET EDGES. BLOCKING IS NOT REQUIRED AT NON-LOAD BEARING PARTITIONS.

AT EXTERIOR WALLS SHEATH THE INTERIOR FACE OF WALLS WITH 5/8" GYPSUM WALLBOARD AS NOTED ABOVE FOR INTERIOR WALLS. SHEATH THE EXTERIOR FACE OF WALLS WITH 7/16" C-DX PLYWOOD (OR 7/16" O.S.B.), NAILED WITH 8d NAILS AT 6" O.C. AT ALL EDGE SUPPORTS, AND 8d NAILS AT 6" O.C. AT ALL INTERMEDIATE SUPPORTS. PROVIDE SOLID DOUBLE 2x BLOCKING AT ALL SHEET EDGES. SHEARWALL SCHEDULE NOTE 5.

- ALL WOOD IN CONTACT WITH CONCRETE OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED.

- ROOF SHEATHING SHALL BE 15/32" C - D PLYWOOD OR 15/32" O.S.B., NAILED WITH 8d NAILS AT 6" O.C. AT SUPPORTED EDGES, AND 8d NAILS AT 12" O.C. AT INTERMEDIATE SUPPORTS. PROVIDE ONE PLYWOOD CLIP PER SPAN BETWEEN SHEET EDGES. PROVIDE SOLID 2x BLOCKING BETWEEN SUPPORTS AT ALL HIP, RIDGES, VALLEYS, AND CHANGES IN ROOF SLOPE.

- ALL LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY.

- NAILING SCHEDULE:

CONNECTION	COMMON NAIL	NUMBER OR SPACING
SOLE PLATE TO TRUSS OR BLOCKING	16d	8" O.C.
STUD TO SOLE PLATE, TOE NAIL	8d	4
DOUBLE STUDS, FACE NAIL	16d	24" O.C.
DOUBLE TOP PLATES, FACE NAIL	16d	16" O.C.
TOP PLATES LAPS AND INTERSECTIONS	16d	3
TRUSSES, LAPS OVER WALLS, FACE NAIL	16d	4
BUILT-UP CORNER STUDS	16d	12" O.C.
STUDS TO SOLE PLATE, END NAIL	16d	2

- WHERE WOOD BEAMS/HEADERS ABUT WOOD COLUMNS, PROVIDE SIMPSON "HHUC" CONNECTORS WITH ALL NAILS SPECIFIED BY THE MANUFACTURER.

- AT ALL WALLS SUPPORTING ROOF TRUSSES PROVIDE UPLIFT STRAPPING/CONNECTORS SHOWN IN THE TYPICAL WALL ELEVATION 1/S5.02. OR ALTERNATE: HURRY-BOLT SYSTEM OR EQUAL. - SUBMIT ENGINEERED SHOP DRAWINGS FOR REVIEW.

PREFABRICATED WOOD TRUSSES

- ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED AT EACH END TO THEIR SUPPORTING WALLS OR BEAMS AS SHOWN IN THE TYPICAL WALL ELEVATION 1/S5.02
- PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.

- 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.

- TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND DESIGN NOTES WITH AN TENNESSEE REGISTERED ENGINEER'S SEAL FOR APPROVAL BY THE ARCHITECT. DESIGN NOTES TO INCLUDE THE RATED LOAD CAPACITY OF THE CONNECTORS USED TO SECURE THE MEMBERS, CERTIFICATION OF THE CONNECTOR CAPACITIES AND MANUFACTURER'S LICENSE TO FABRICATE TRUSSES UTILIZING THE CONNECTOR SYSTEM PROPOSED.

- 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.

- BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY TRUSS MANUFACTURER, AND THE LOCAL BUILDING CODE, UNLESS NOTED ON PLANS. ALSO WHERE HEEL HEIGHT ON BOTTOM CHORD BEARING TRUSSES EXCEEDS 11" PROVIDE CONTINUOUS 2x4 LET IN.

- DESIGN LOADS - DEAD LOADS:

FLOOR TRUSSES	BOTTOM CHORD	8 PSF
	TOP CHORD (APTS)	15 PSF
OUTSIDE TRUSSES	BOTTOM CHORD	8 PSF
	TOP CHORD	34 PSF
ROOF TRUSSES	BOTTOM CHORD	10 PSF
	TOP CHORD	10 PSF
	TOP CHORD (AT OVERBUILT AREAS)	5 PSF ADDITIONAL

- ALL SIMPSON TRUSS ANCHORS SHOWN ON DRAWINGS SHALL BE VERIFIED FOR LOADS SHOWN ON WOOD TRUSS DESIGN CALCULATIONS. THEREFORE ANCHORS SIZES AND TYPES ARE SUBJECT TO CHANGE BY ASE Engineering Services, Inc

FASTENER SUBSTITUTIONS:

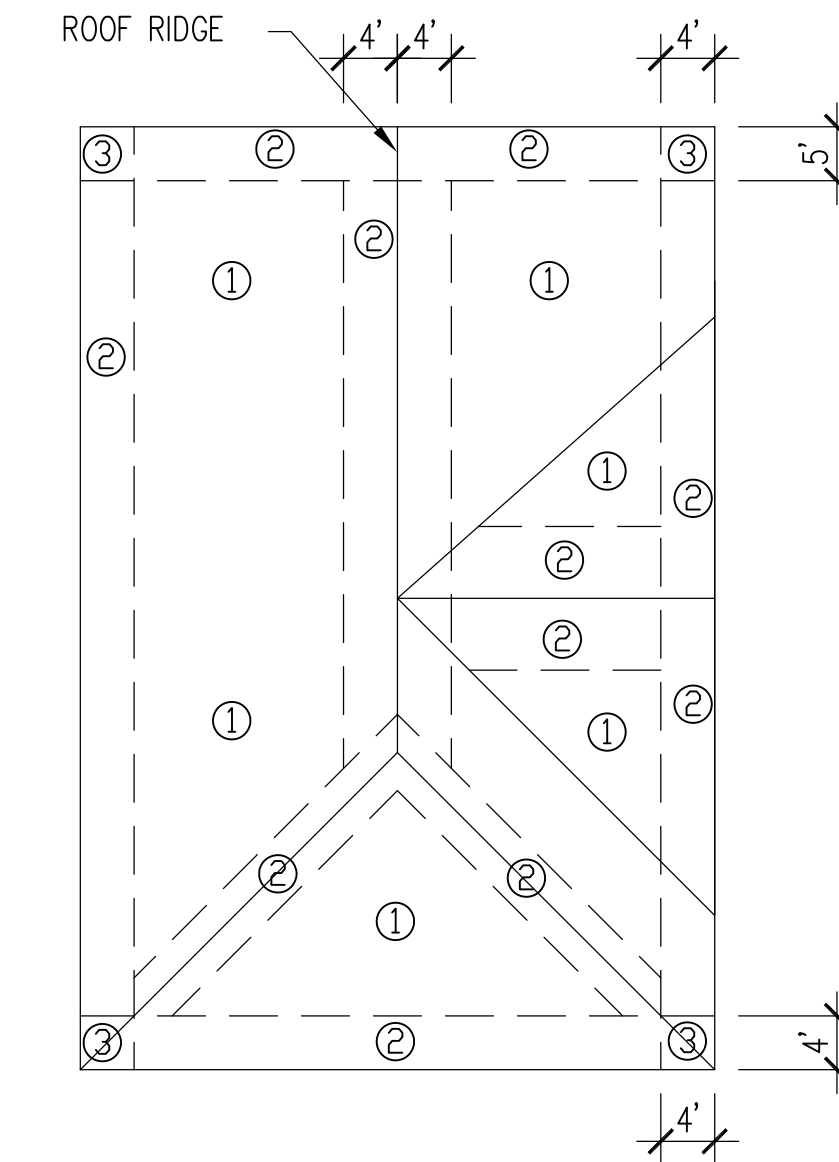
ALL NAILS ARE COMMON NAILS, UNLESS NOTED OTHERWISE. THE FOLLOWING FASTENERS ARE ACCEPTABLE SUBSTITUTIONS. THE ALTERNATE FASTENERS SHALL BE SPACED AT THE SAME SPACING AS THE SCHEDULED FASTENERS.

SCHEDULED FASTENER	ALTERNATE FASTENER
8d COMMON NAIL	8d RING SHANK NAIL 8d SCREW SHANK NAIL 0.131 P-NAIL
10d COMMON NAIL	10d RING SHANK NAIL 10d SCREW SHANK NAIL 0.148 P-NAIL
16d COMMON NAIL	16d RING SHANK NAIL 16d SCREW SHANK NAIL
6d COOLER NAIL	#6 x 1 1/4" TYPE S OR W DRYWALL SCREW

HEADER/BEAM SCHEDULE			
TYPE	HEADER/BEAM	TYPE	HEADER/BEAM
H-1	DOUBLE 2x8		
H-2	DOUBLE 2x10		
H-3	DOUBLE 2x12		
H-4	(2) 1 3/4" x 11 7/8" LVL		

- PROVIDE WOOD HEADERS OVER ALL OPENINGS. IF NO HEADER IS SPECIFIED, PROVIDE H-3 AT WALLS SUPPORTING TRUSSES, AND H-1 AT OTHER WALLS.
- AT DOUBLE 2x HEADER/BEAMS PROVIDE A 3/8" PLYWOOD (OR O.S.B.) SPACER BETWEEN MEMBERS.
- NAIL ALL MULTI-MEMBER HEADERS AND BEAMS TOGETHER WITH 16d NAILS AT 12" O.C. TOP AND BOTTOM, EACH SIDE, STAGGERED.
- PROVIDE DOUBLE WOOD STUD UNDER WOOD HEADER EA END U.N.O.

ROOF FASTENING ZONES
GABLE ROOF



HIP ROOF

ROOF SHEATHING FASTENING SCHEDULE:
USE 8d COMMON NAIL

PANEL EDGES	PANEL FIELD
① NAILS 6" O.C.	① NAILS 6" O.C.
② NAILS 6" O.C.	② NAILS 6" O.C.
③ NAILS 4" O.C.	③ NAILS 6" O.C.

NOTE: USE 8d RING SHANK NAILS IN ZONE ③

ISSUE HISTORY

No.	Date	Description
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ASE ENGINEERING SERVICES, INC.

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Certificate of Authorization No. 28873

Wenyi Hu P.E.
Tennessee No. 0011523

BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOOGA, TN

Drawn: XH
Checked: MX
Approved: Approver
Date: 05/01/2013
Project #: 5166.400

GENERAL NOTES

CS1.01

Professional Engineer Seal for Wenyi Hu, State of Tennessee, No. 0011523, dated 5/24/13.

CONNECTOR SCHEDULE SIMPSON					
#	SIMPSON OR EQUAL	FASTENERS	UPLIFT(lbs.)	WOOD TO:	USP
1	H10	(8) 8d	990	WOOD	N/A
2	HTS20	(24) 10d x 1-1/2	1450	WOOD	HTW20
3	LTS12	(12) 10d x 1-1/2	775	WOOD	LTW12
4	H3	(4) 8d	455	WOOD	RT7
5	LTT20B	(10) 16d INTO STUDS	1750 (NAILS)	CONCRETE, WOOD	LTS20B
6	HTT16	(18) 16d	4175 (NAILS)	CONCRETE, WOOD	HTT16
7	SP-1 SP-4	(10) 10d (6) 10d x 1-1/2	585 735	WOOD (BOTT OF STUD) WOOD (TOP OF STUD)	SPT22 SPT4
7	THA/THAC TYP	PER SIMPSON CATALOG	PER SIMPSON CATALOG	SELECTION BASE ON TRUSS WIDTH AND HEIGHT	MSH TYP
8	CSI6	(22) 10d	1650	11" MIN AT EA END FOR WOOD	RS150
9	MAS	(6) 10d x 1-1/2	1005	SLAB, STEMWALL	FA3
10	HCP2 HCP4	(12) 10d x 1-1/2 (16) 10d	605 1000	FOR 2x MEMBER FOR 4x MEMBER	N/A N/A
11	A35	(12) 8d x 1 1/2	450 SHEAR	WOOD	MPA1
12	CC44, ECCU44 CC66, ECCU66	(4) 5/8d BOLTS (6) 5/8d BOLTS	1465 (UPLIFT) 3660 (UPLIFT)	ECCU44 AT BEAM END ECCU66 AT BEAM END	KCC44, KECCU44 KCC66, KECCU66
13	PC/EPC TYP	PER SIMPSON CATALOG	PER SIMPSON CATALOG	SELECTION BASE ON POST AND BEAM WIDTH	PCM/EPCM TYP
14	ECCLL44 ECCLL66	BOLTS AS REQ (12) 16d	1465 (UPLIFT) 3660 (UPLIFT)	ECCLL44 FOR 4x4 POST ECCLL66 FOR 6x6 POST	KECCLL44 KECCLL66
15	ABU44 ABU66	5/8 ANCHOR BOLT	2200	ABU44 FOR 4x4 POST ABU44 FOR 4x4 POST	PAU44 PAU66
16	HUC410	(18) 16d FOR WOOD	1510	CONCRETE, MASONRY, WOOD FOR 4x10 BM	HD410IF
17	HUC412	(22) 16d FOR WOOD	1510	CONCRETE, MASONRY, WOOD FOR 4x12 BM	HD412IF
18	LUS TYP	PER SIMPSON CATALOG	PER SIMPSON CATALOG	LUS24 FOR 2x6, LUS26 FOR 2x8, LUS28 FOR 2x10, ETC.	JUS TYP

NOTE: 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 MANUFACTURER'S REQUIREMENTS.

SHEARWALL SCHEDULE							
TYPE	SHEATHING	SHEATHING NAILING	FND CONN EACH END OF WALL			FND SOLE PLATE ATTACHMENT	
	FND-ROOF	FND-ROOF	CONNECTOR	FND BOLT-12" EMBED DBL NUT EA END	ATTACH TO STUDS	REQ'D STUDS AT END OF WALL	
1	1/2" C-DX PLYWOOD	8d NAILS @ 4' O.C.	HD5B	3/4" DIA	(2) 3/4" DIA	(4) 2x4 OR WD POST	1/2" DIA x 7' EMB. A. BOLTS @ 16' O.C.
2	5/8" GYPSUM WALLBOARD	6d COOLER NAILS @ 7' O.C.	HD5B	3/4" DIA	(2) 3/4" DIA	(2) 2x4	1/2" DIA x 7' EMB. A. BOLTS @ 16' O.C.

*1 SHEATH EXTERIOR FACE WITH PLYWOOD SCHEDULED, AND THE INTERIOR FACE OF STUDS AS SPECIFIED IN THE GENERAL NOTES FOR INTERIOR WALLS.

NOTES:

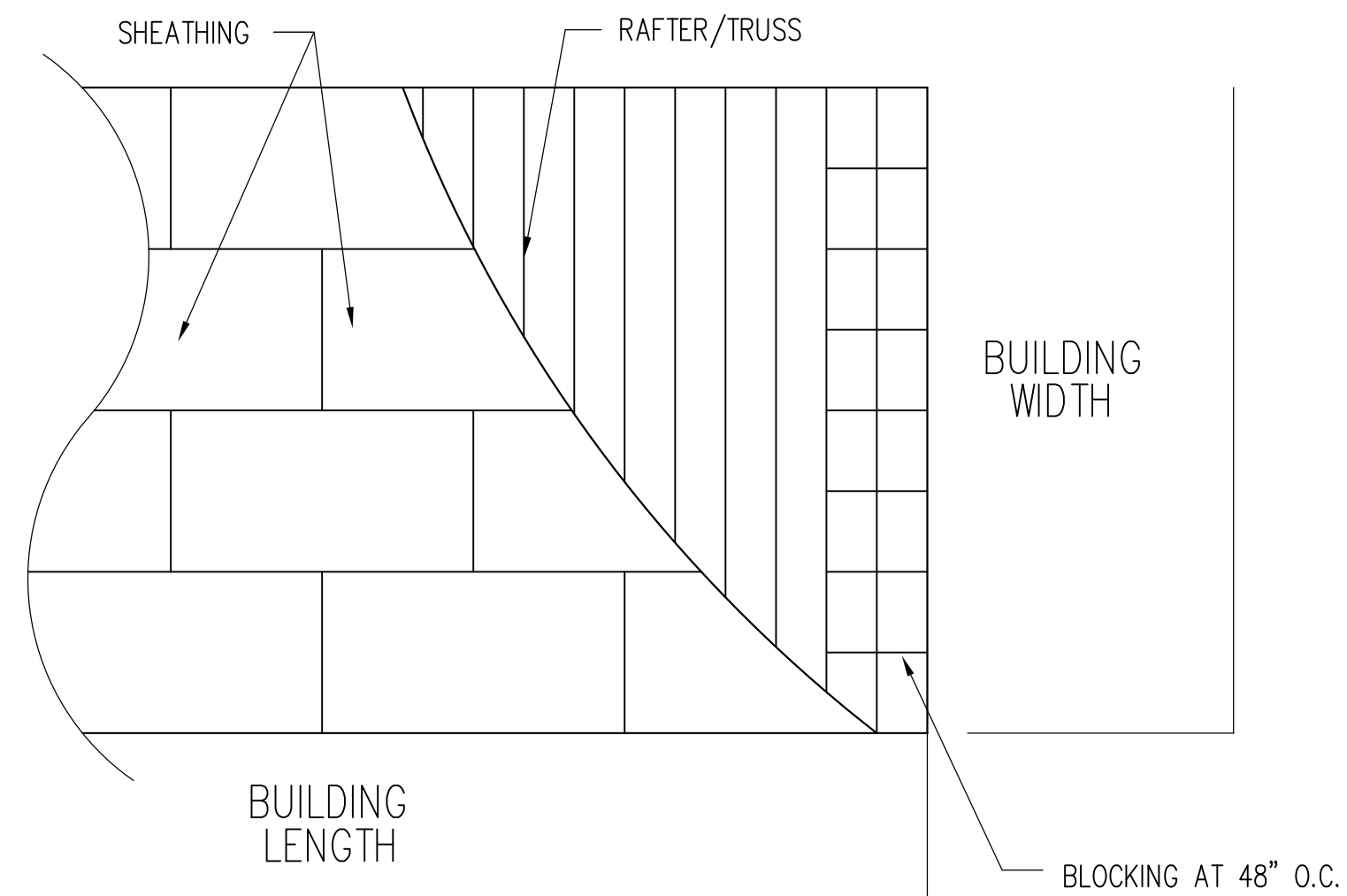
- ALL HD, MAS, AND CS FASTENERS ARE AS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, INC, OR EQUAL.
- WHERE SCHEDULED ADDITIONAL STUDS AT THE ENDS OF SHEAR WALLS ARE INTERRUPTED AT TRUSS BEARING, PROVIDE SOLID BLOCKING IN THE TRUSS SPACE TO MATCH THE STUDS SCHEDULED FOR THE LOWER FLOOR.
- WHERE SCHEDULED SHEATHING CANNOT EXTEND FULL HEIGHT OF WALL, PROVIDE SHEATHING OR BLOCKING BETWEEN FLOOR TRUSSES AT ALL SHEARWALLS.
- SHEATHING SHALL EXTEND FULL HEIGHT OF SHEARWALLS. STAGGER SHEATHING HORIZONTAL JOINTS SO THEY DO NOT FALL AT HORIZONTAL JOINT BETWEEN DOUBLE TOP PLATES.
- 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.
- WHERE BOLTS ARE CALLED OUT FOR HOLDDOWN ANCHORS, THE BOLTS SHALL BE THROUGH BOLTS CONFORMING TO ASTM A307.
- 7/16" O.S.B. MAY BE USED IN LIEU OF THE 1/2" C-DX PLYWOOD SHEATHING.
- ANCHOR BOLTS SHALL ALL HAVE 3" HOOKS. A36 ALL THREAD RODS, DRILLED AND EPOXY GROUTED INTO FOOTINGS, MAY BE SUBSTITUTED FOR ANCHOR BOLTS CAST IN PLACE. ALL THREAD RODS SHALL HAVE SAME EMBEDMENT DEPTH AS ANCHOR BOLTS.

ISSUE HISTORY

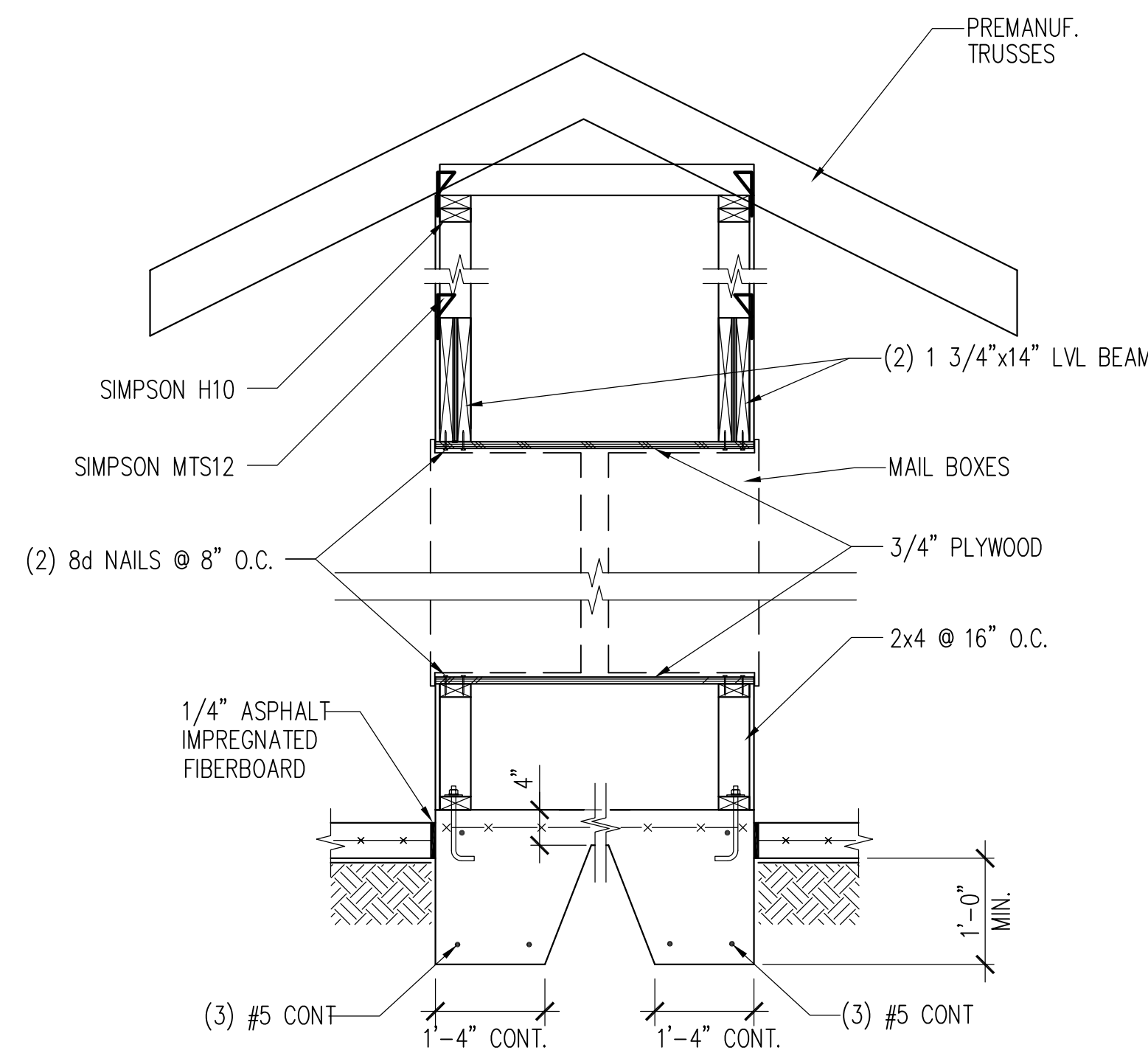
No.	Date	Description
1	May 31, 2013	PERMIT ISSUE

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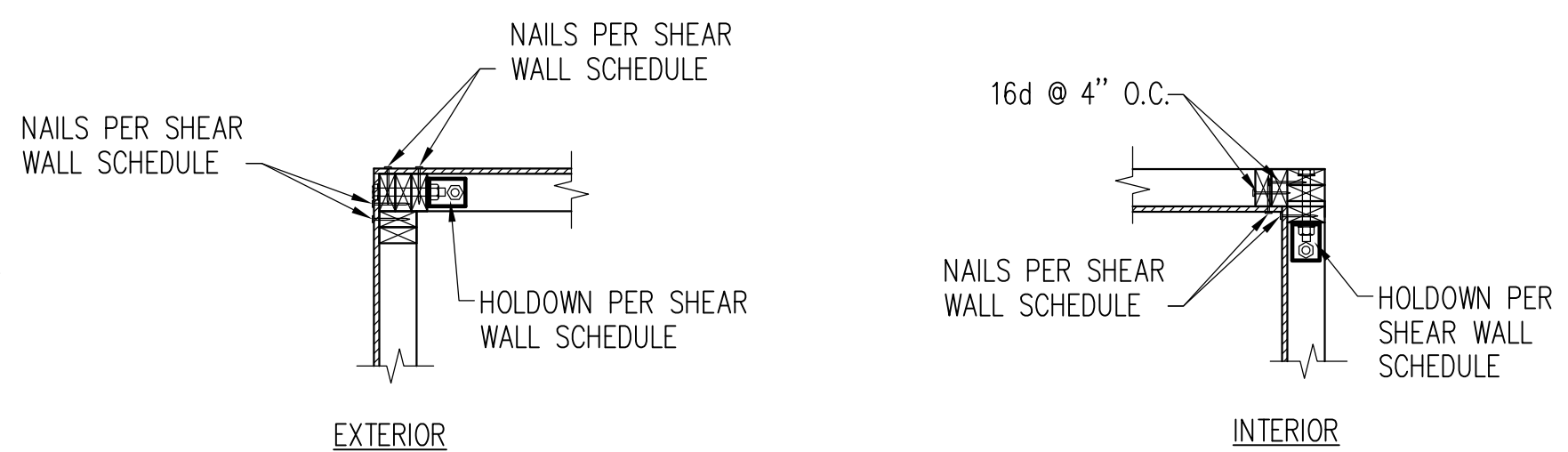
No.	Date	Description



1 ROOF SHEATHING LAYOUT
SCALE N. T. S.



3 SECTION
SCALE N.T.S.



2 TYP. HOLDDOWN ARRANGEMENTS AT CORNER
SCALE 3/4" = 1'-0"

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Tennessee No. 0011523

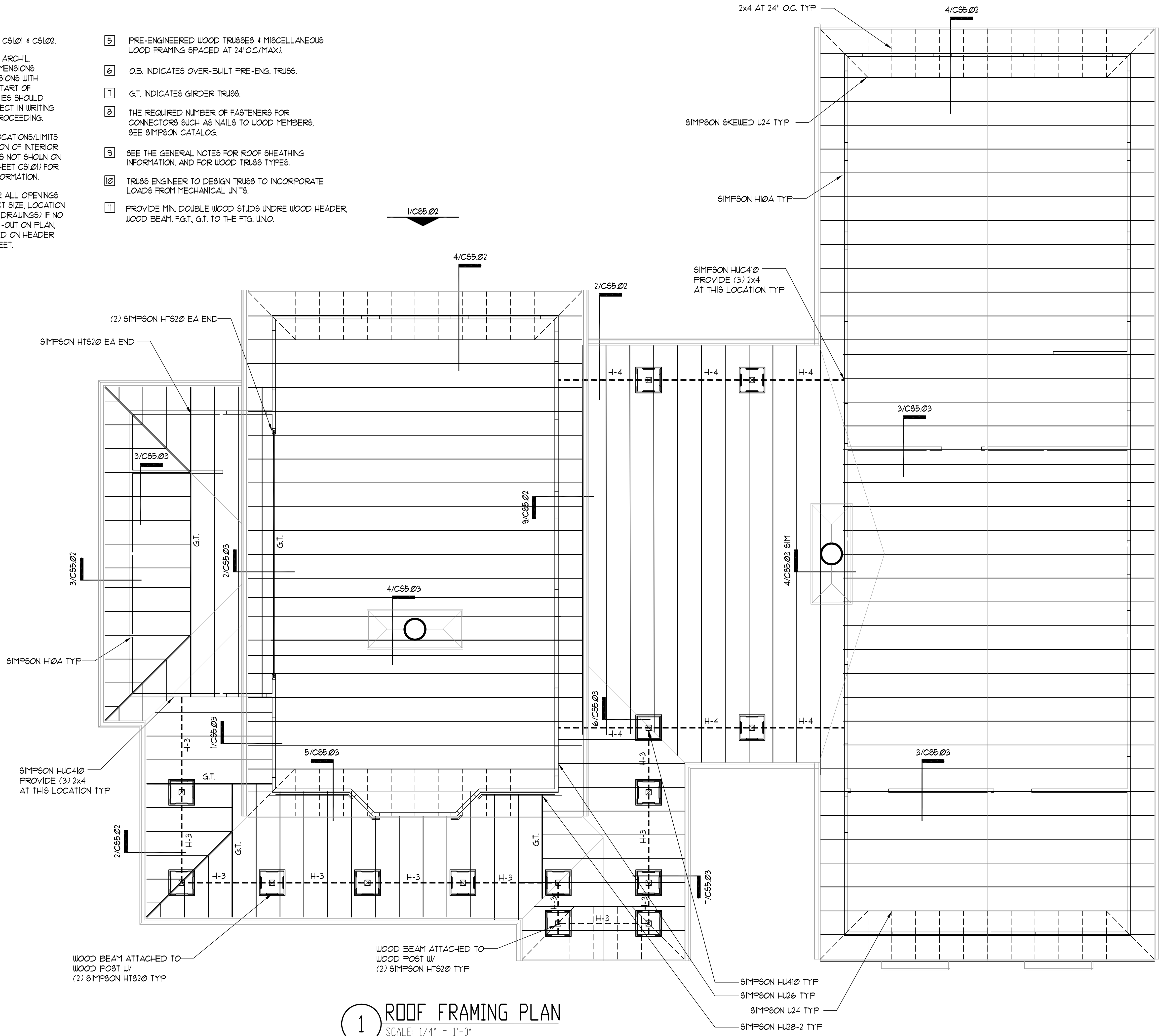
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CHATTANOGA, TN
Drawn: XH
Checked: MX
Approved: Approver
Date: 05/01/2013
Project #: 5166.400

SCHEDULES AND DETAILS
CS1.02

Professional Engineer Seal for Wenyi Hu, State of Tennessee, No. 0011523, dated 5/24/13.

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET CS1.01 & CS1.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET CS1.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 4 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON CS1.01 SHEET.
- 5 PRE-ENGINEERED WOOD TRUSSES & MISCELLANEOUS WOOD FRAMING SPACED AT 24" O.C. (MAX).
- 6 O.B. INDICATES OVER-BUILT PRE-ENG. TRUSS.
- 7 G.T. INDICATES GIRDER TRUSS.
- 8 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 9 SEE THE GENERAL NOTES FOR ROOF SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 10 TRUSS ENGINEER TO DESIGN TRUSSES TO INCORPORATE LOADS FROM MECHANICAL UNITS.
- 11 PROVIDE MIN. DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. TO THE FTG. U.N.O.



1 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

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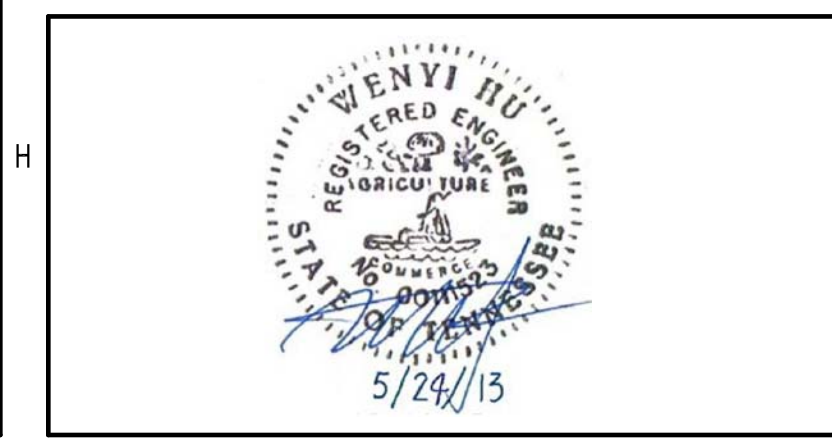
ASE ENGINEERING SERVICES, INC.
STRUCTURAL DESIGN GROUP

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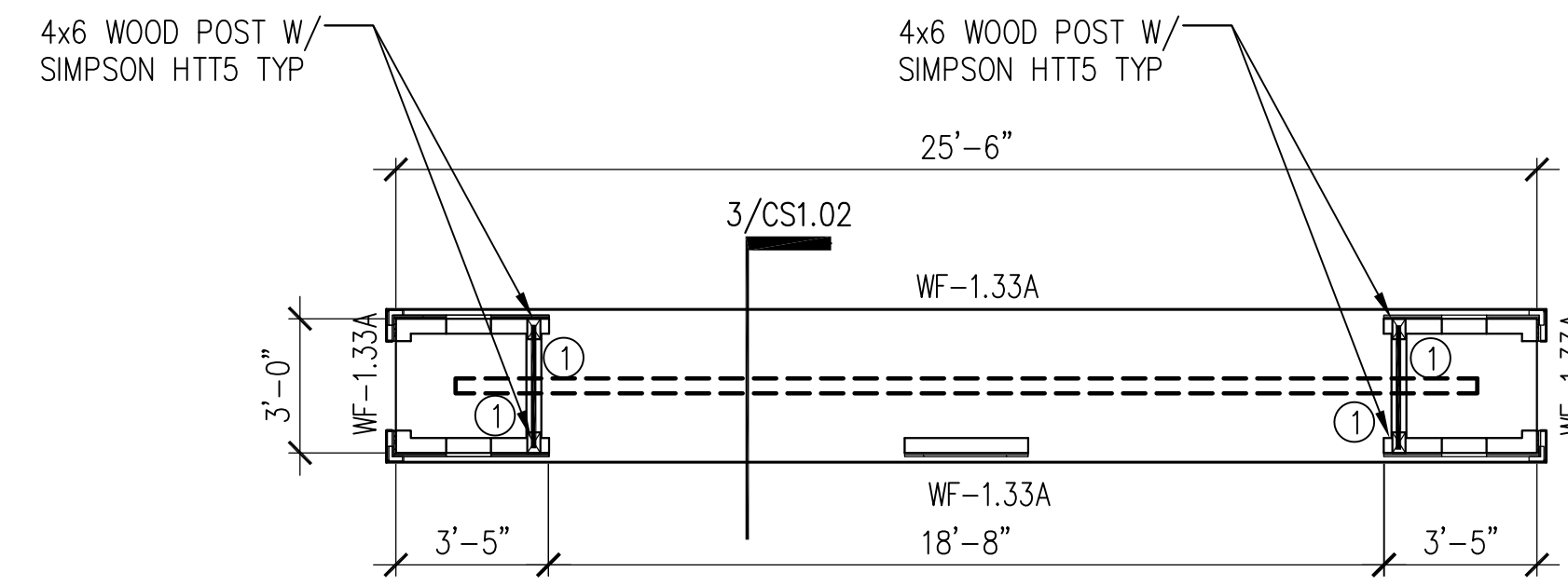
Wenyi Hu P.E.
Tennessee No. 00111523

BRIDGEWAY APARTMENTS CLUBHOUSE CHATTANOGA, TN.	Drawn: XH
	Checked: MX
	Approved: Approver
	Date: 05/01/2013
ROOF FRAMING PLAN	Project #: 5166.400
	CS3.01

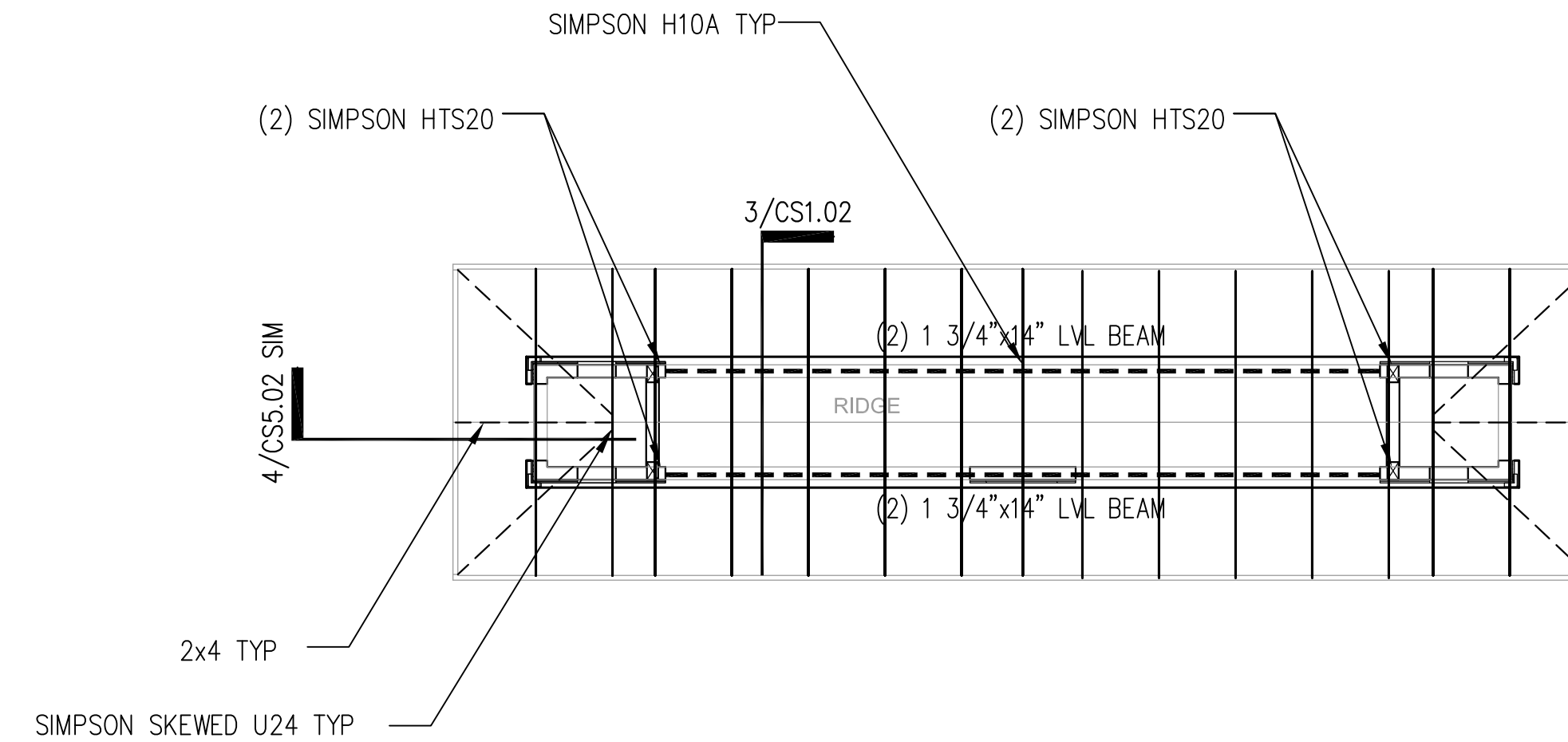


PLAN NOTES:

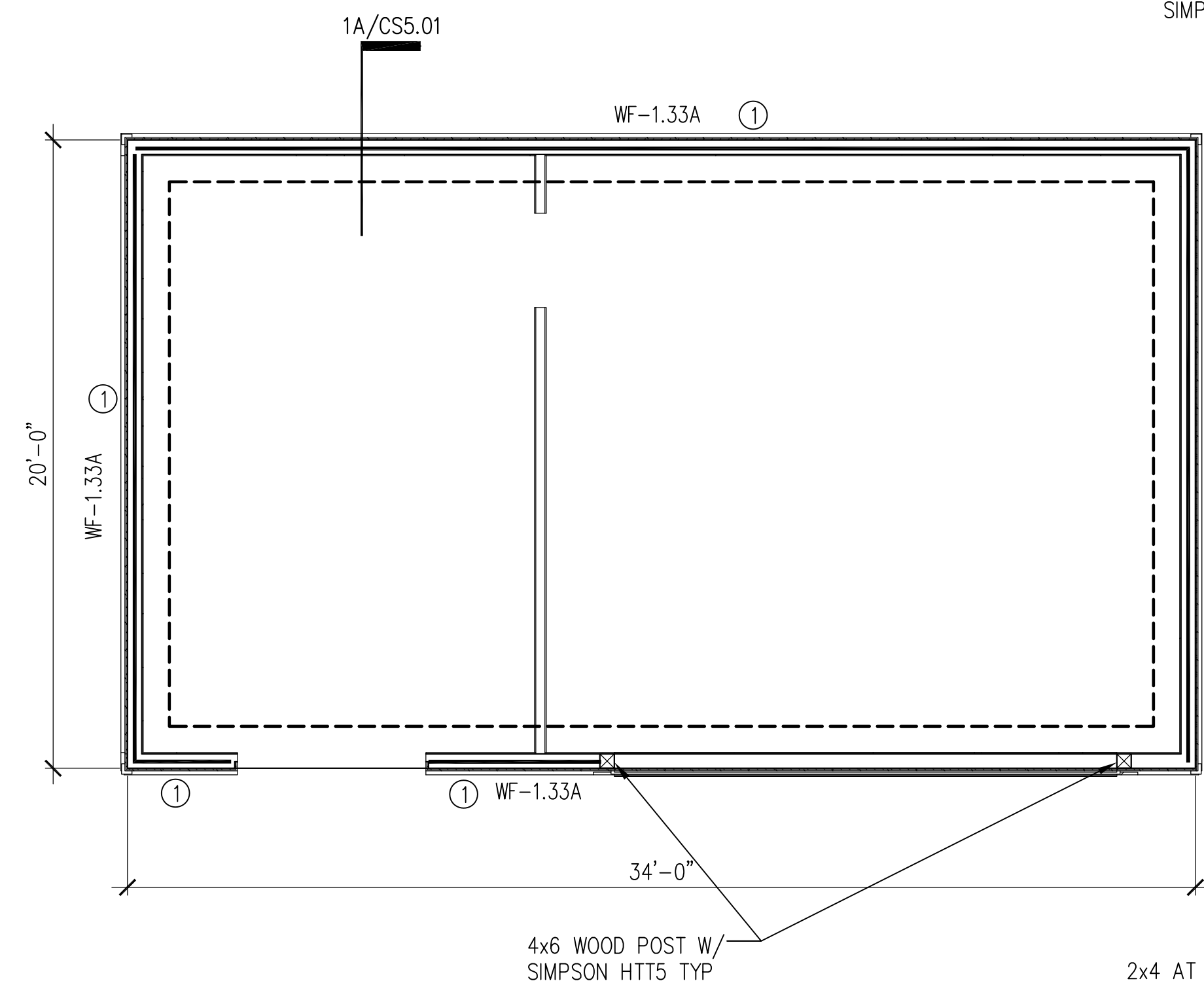
- 1 SEE GENERAL NOTES ON SHEETS CS1.01 & CS1.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN, VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 4" (TOTAL) CONCRETE SLAB REINFORCED WITH 6x6-W1.4xW1.4 W.W.F. OVER 10 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES, DEPRESSIONS AND LIMITS THERE OF WITH ARCH'L DRAWINGS (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L AND / OR CIVIL DRAWINGS)
- 4 PRIOR TO CONCRETE PLACEMENT PROVIDE TERMITE SOIL TREATMENT WITH TEN YEAR WARRANTY AND FOUR ANNUAL INSPECTIONS AND RENEWALS. SEE ARCHITECTURAL FOR REQUIREMENT.
- 5 INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET CS1.02 FOR SHEAR WALL INFORMATION.
- 6 THE MAX. SPACING OF CONTROL JOINT FOR ENCLOSURE SPACE SHALL BE 20'-0" O.C., AND FOR OPEN SPACE SHALL BE 8'-0" O.C. COORD. W/ FLOOR COVERING PLACEMENT. SEND SUBMITTAL TO ARCHITECT FOR REVIEW.
- 7 SEE ARCH'L DRAWINGS FOR LOCATIONS / LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES.
- 8 COORDINATE ALL SLAB (TOPPING) SLOPES AND DEPRESSIONS WITH ARCH'L DRAWINGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L DRAWINGS)
- 9 SEE MECHANICAL DRAWINGS FOR LOCATION (ON PLANK) OF MECHANICAL UNITS. H.C. MANUFACTURER / SUPPLIER TO DESIGN FOR UNIT WEIGHT. AS REQUIRED VERIFY WEIGHTS WITH MECHANICAL DRAWINGS.
- 10 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON CS1.01 SHEET.
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- 13 G.T. INDICATES GIRDER TRUSS.
- 14 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 15 SEE THE GENERAL NOTES FOR ROOF SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 16 TRUSS ENGINEER TO DESIGN TRUSS TO INCORPORATE LOADS FROM MECHANICAL UNITS.
- 17 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. TO THE FTG. U.N.O.



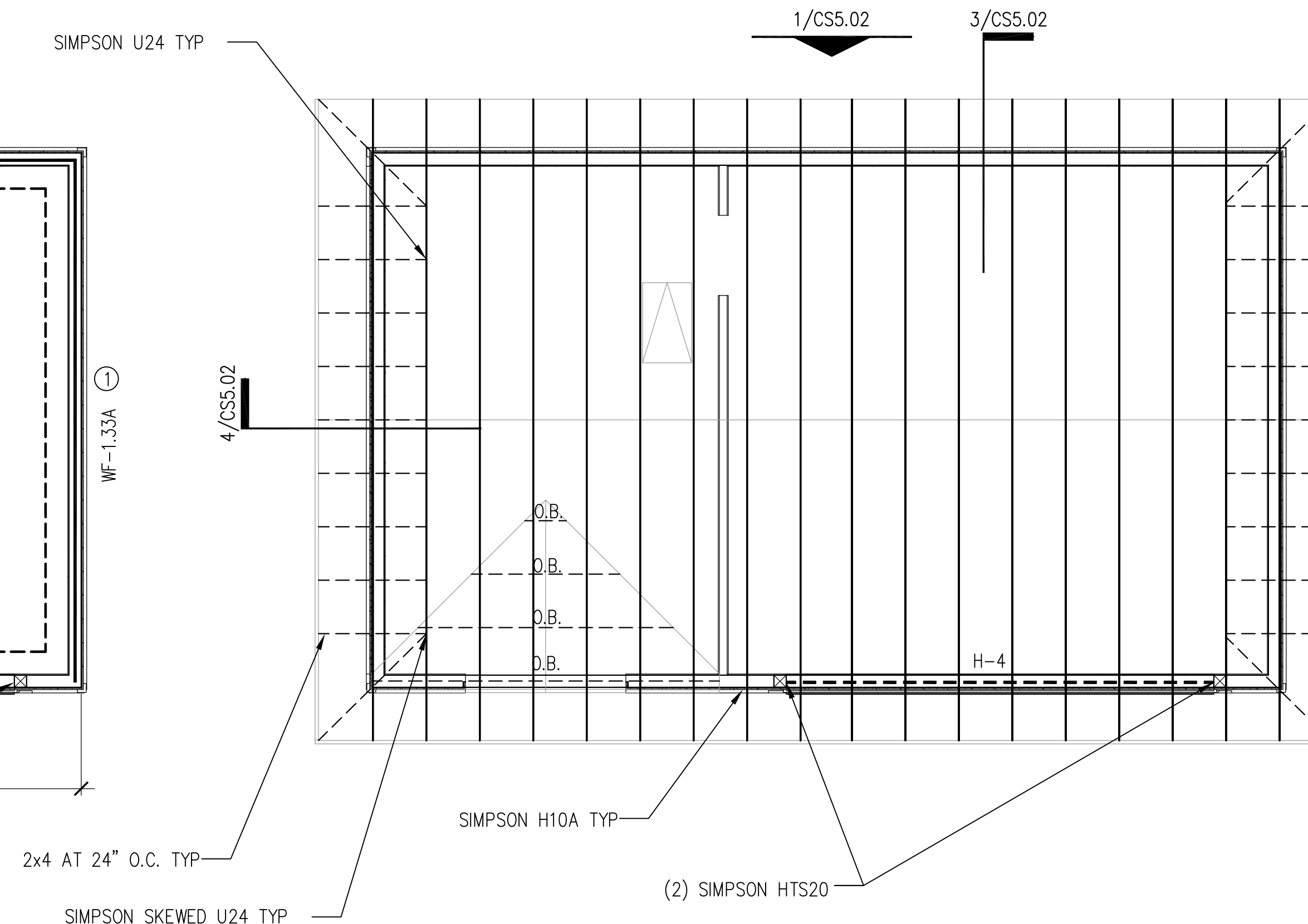
3 MAIL KIOSK FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



4 MAIL KIOSK ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



1 MAINTENANCE BUILDING FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



2 MAINTENANCE BUILDING ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT BOTTOM
	WIDTH x LENGTH x DEPTH	
WF-1.33A	1'-4" x CONT. x 26"	(2) #5's CONT. #4's @ 48" O.C. TRANSVERSE

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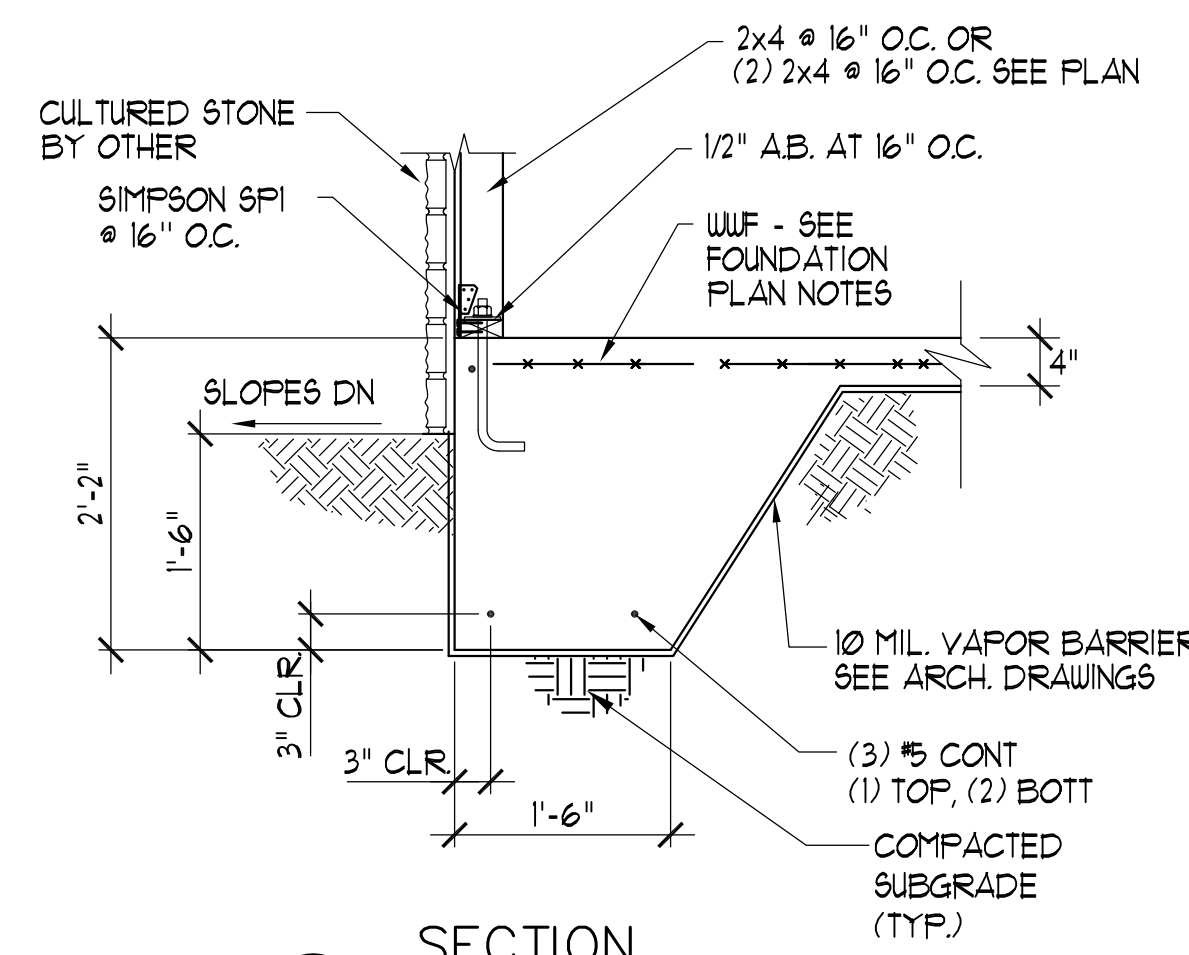
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Tennessee No. 0011523

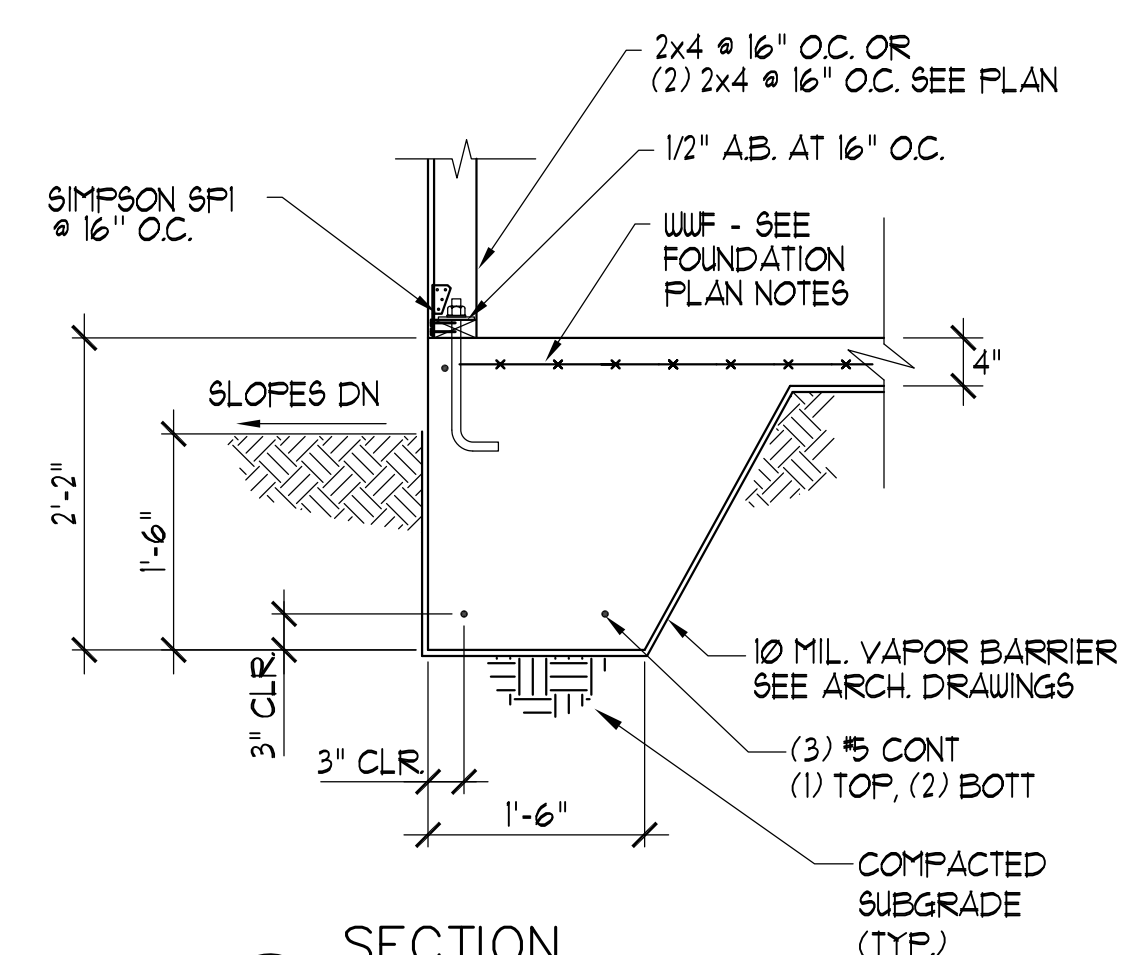
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	Checked: MX
	Approved: Approver
	Date: 05/01/2013
Project #: 5166.400	

MAINTENANCE BUILDING MAIL KIOSK	CS4.01
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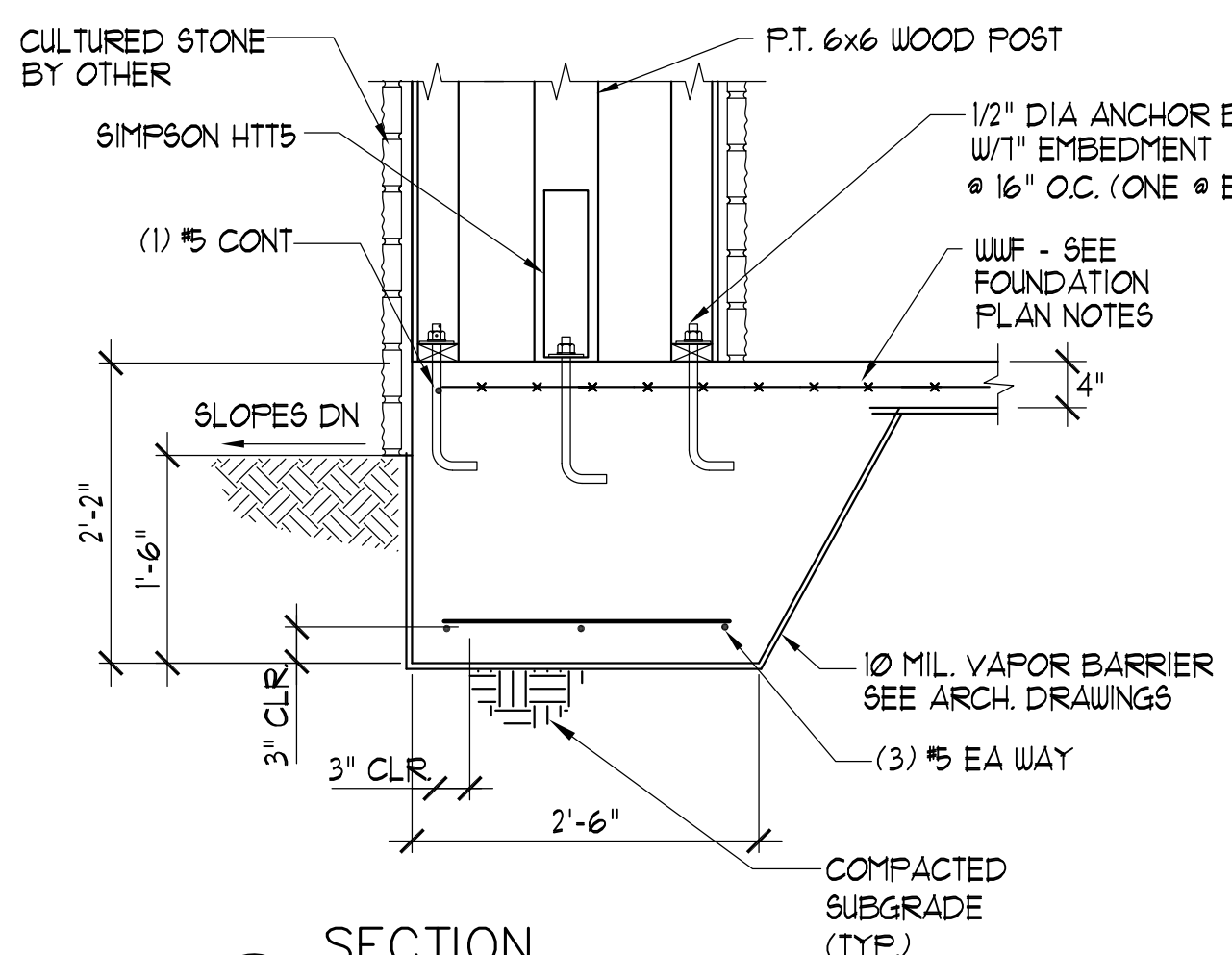
WENYI HU
REGISTERED ENGINEER
STRUCTURAL
STATE OF TENNESSEE
No. 0011523
5/24/13



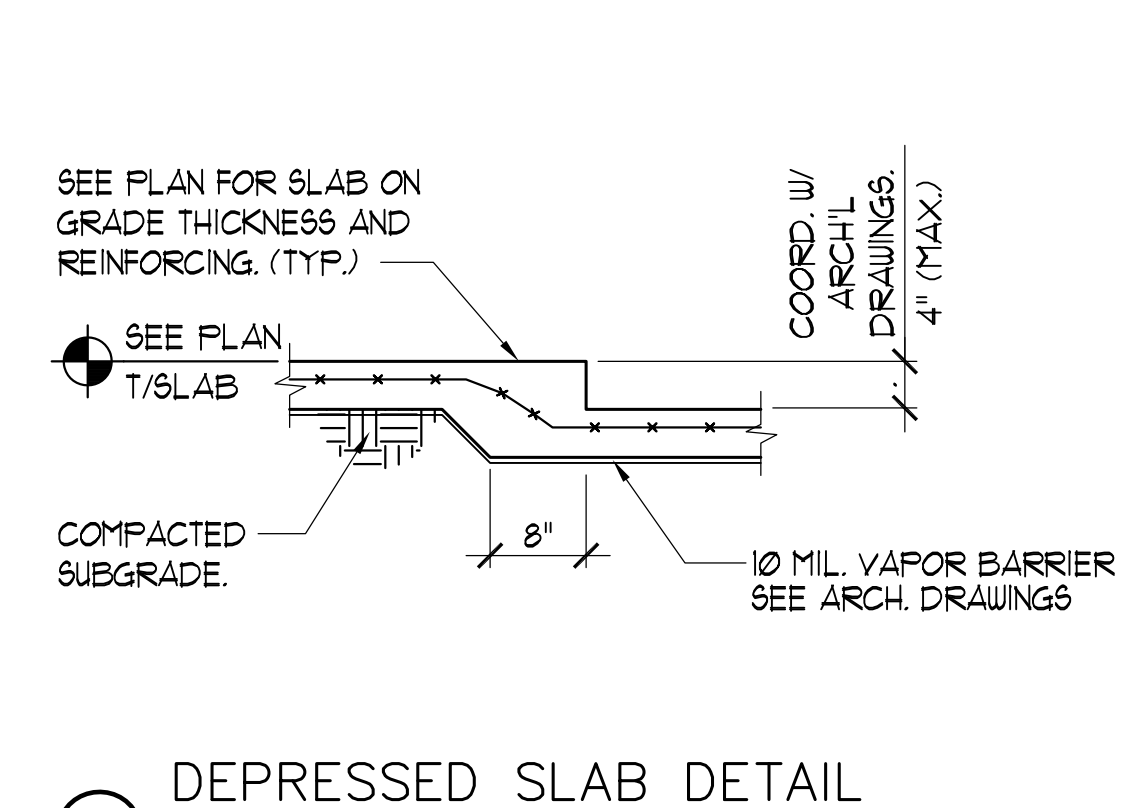
SECTION 1
SCALE 3/4" = 1'-0"



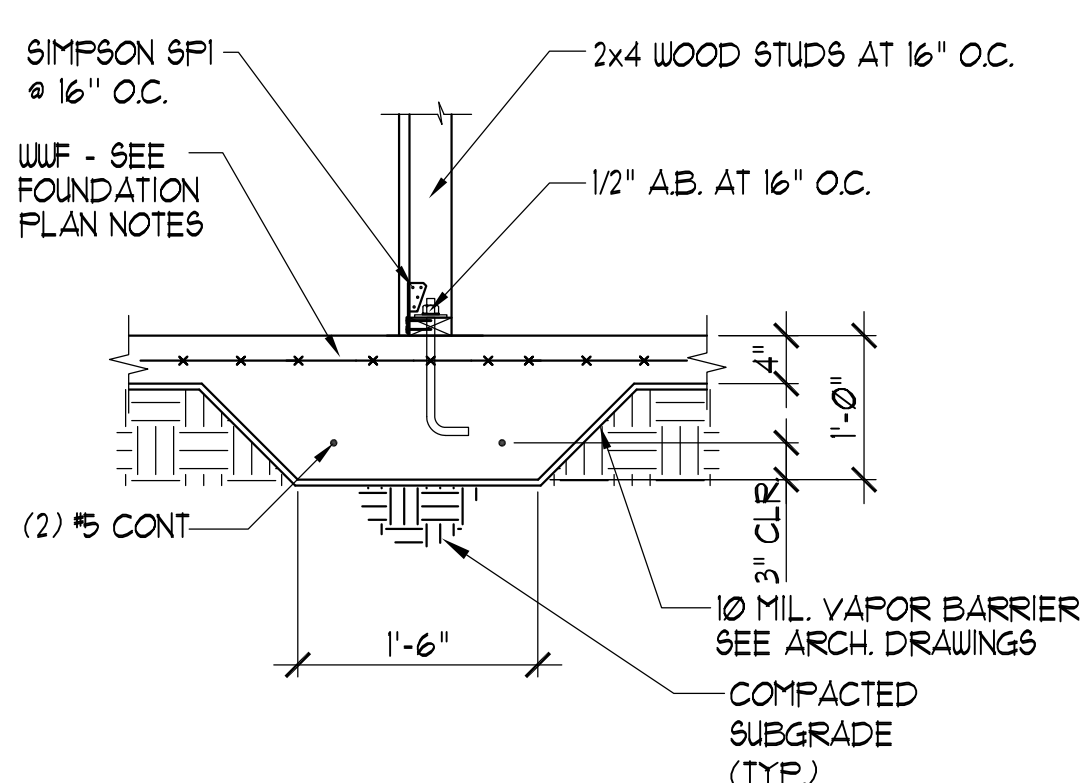
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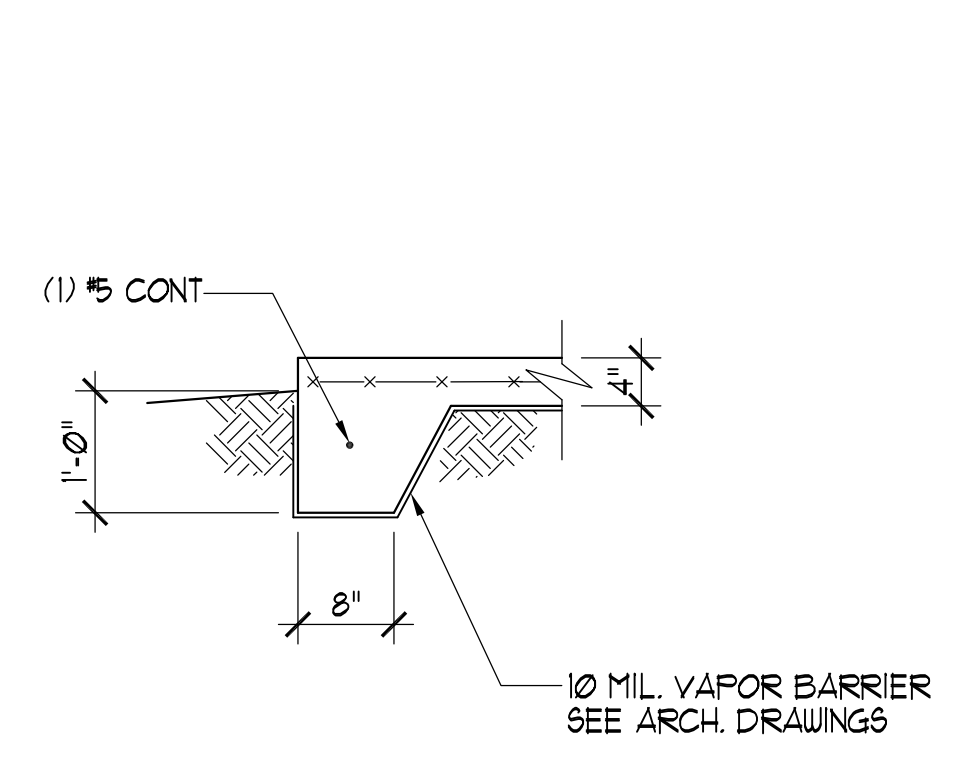
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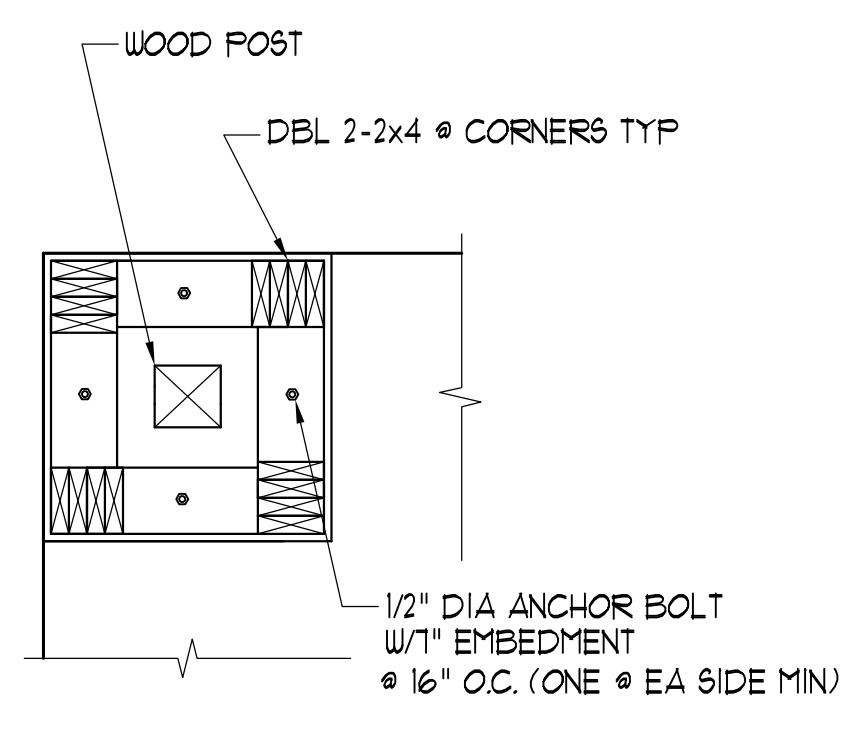
DEPRESSED SLAB DETAIL
SCALE 3/4" = 1'-0"



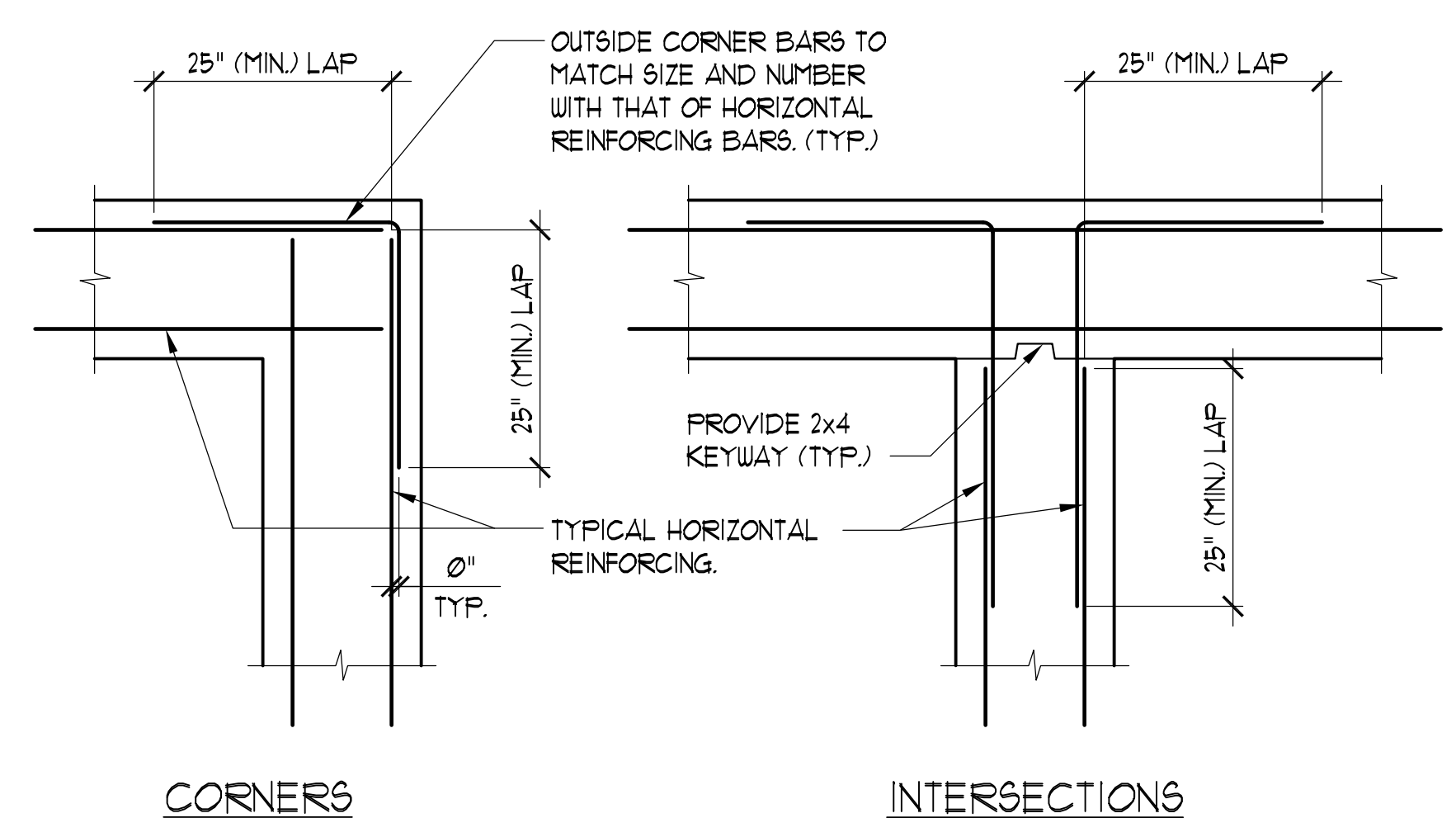
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SCALE 3/4" = 1'-0"



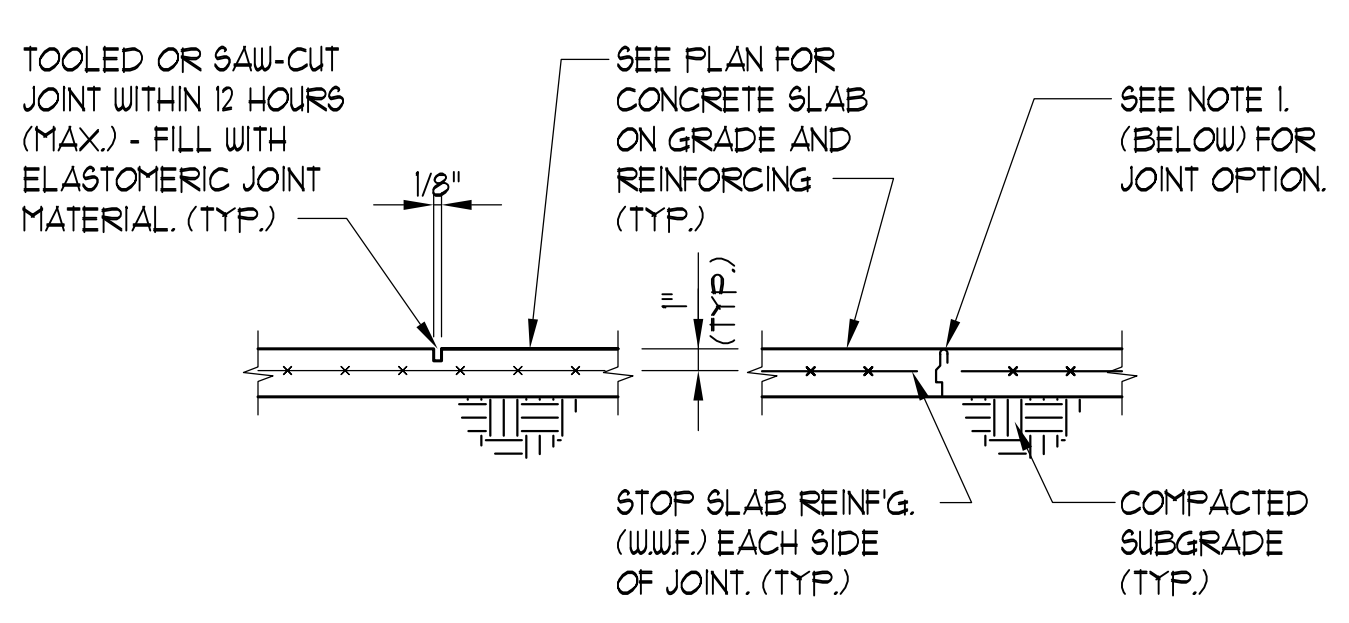
SECTION 5
SCALE 3/4" = 1'-0"



TYPICAL BOX FRAMING @ FTG
SCALE 3/4" = 1'-0"



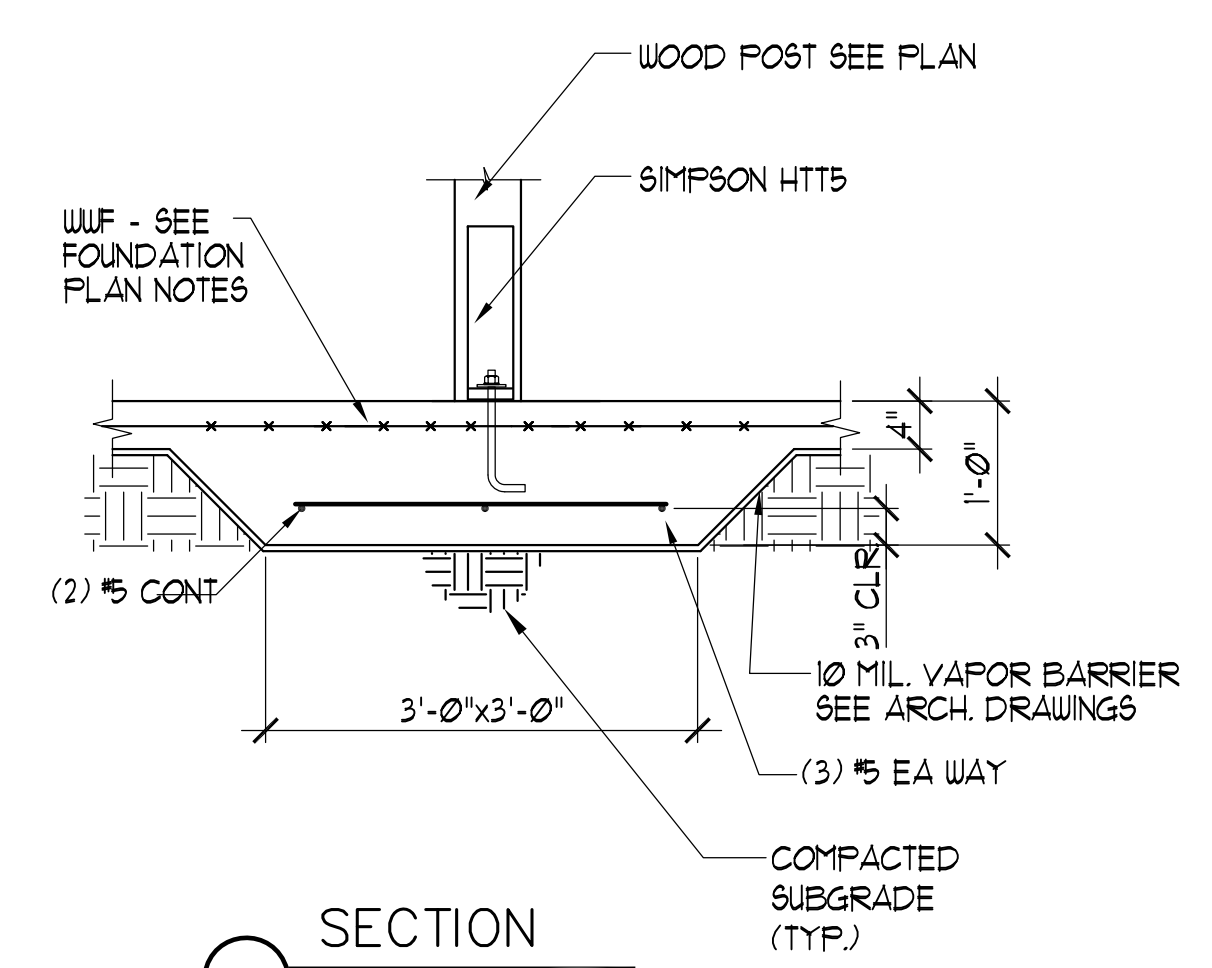
TYP. HORIZ. REINF'S. AT FTGS.
SCALE 3/4" = 1'-0"



CONTROL JOINT CONSTRUCTION JOINT

- NOTE:
- CONSTRUCTION JOINTS MAYBE USED IN LIEU OF CONTROL JOINTS.
 - JOINT PLACEMENT REQUIREMENTS:
FOR INCLOSED / INTERIOR AREAS. 20'-0" O.C. (MAX.) EACH WAY
FOR OUTSIDE / EXTERIOR AREAS. 8'-0" O.C. (MAX.) EACH WAY
WHERE TOP OF SLAB SURFACES ARE TO BE FINISHED WITH TILE - GENERAL CONTRACTOR IS TO COORDINATE JOINT LOCATIONS WITH THAT OF TILE MORTAR JOINTS.

TYPICAL CONTROL JOINT DETAIL
SCALE 3/4" = 1'-0"



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

VERIFY ALL MIN. FOOTING DEPTHS W/ SOIL REPORT REQUIREMENTS.

ISSUE HISTORY		
No.	Date	Description
1	May 31, 2013	PERMIT ISSUE

REVISION HISTORY		
No.	Date	Description



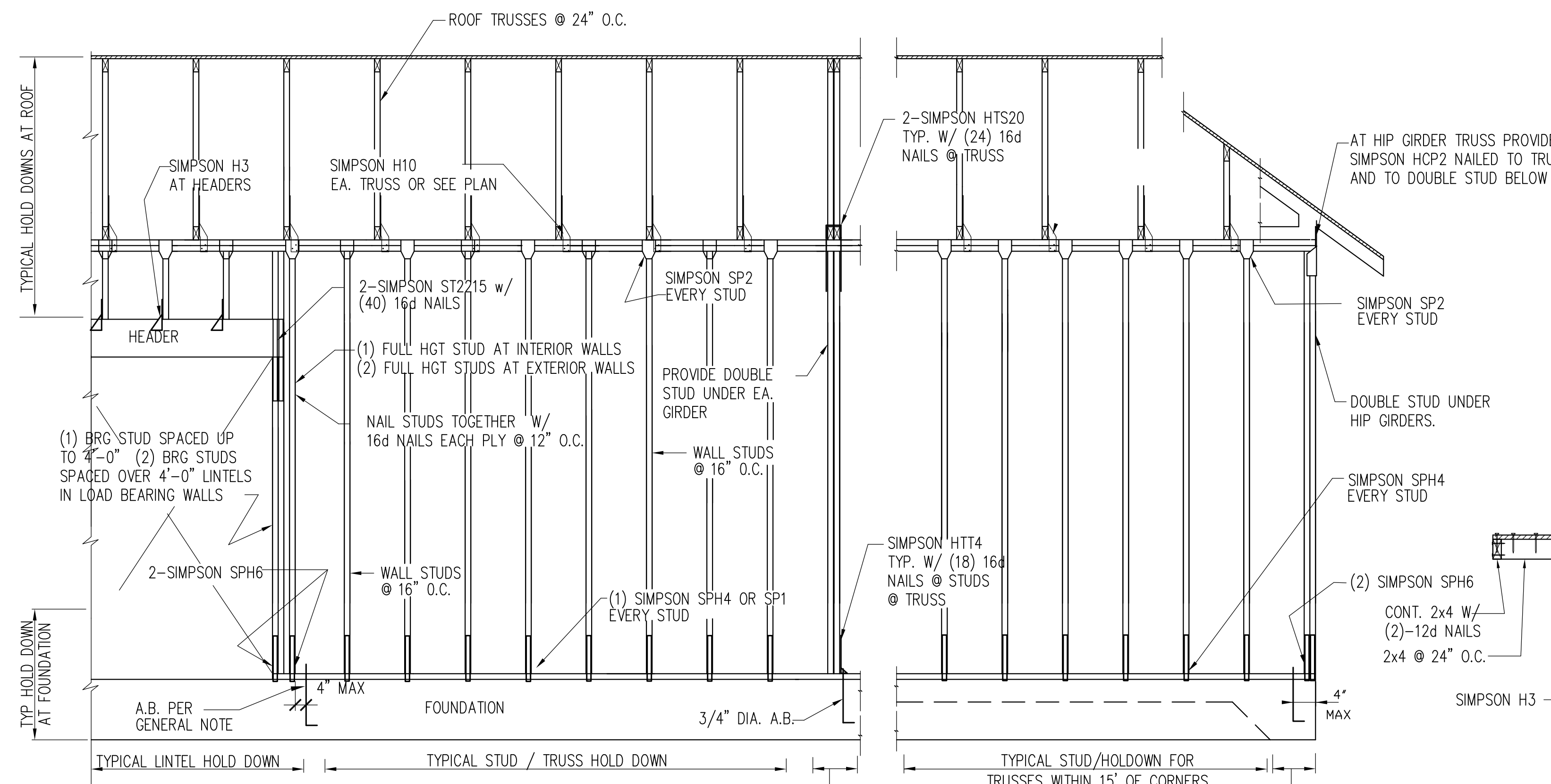
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Certificate of Authorization No. 28913
Wenyi Hu P.E.
Tennessee No. 00111523

Drawn:	XH
Checked:	MX
Approved:	Approver
Date:	05/01/2013
Project #:	5166.400

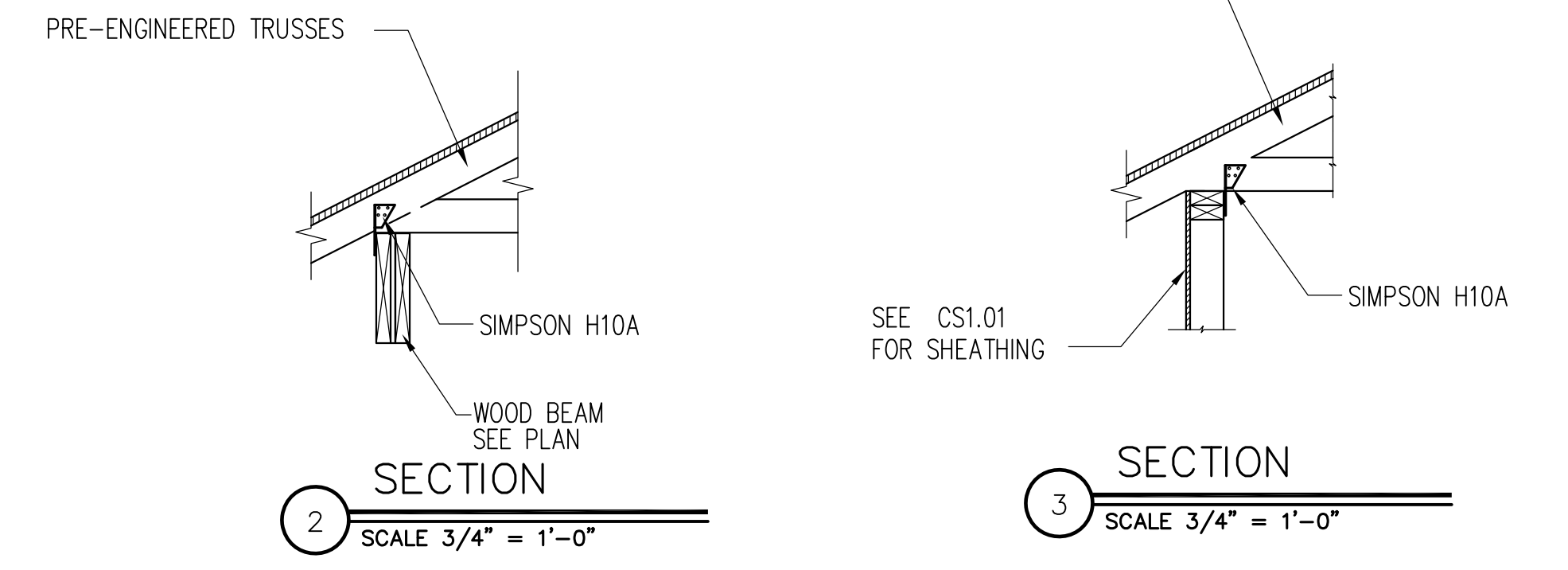
BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOGA, TN

SECTIONS AND DETAILS CS5.01



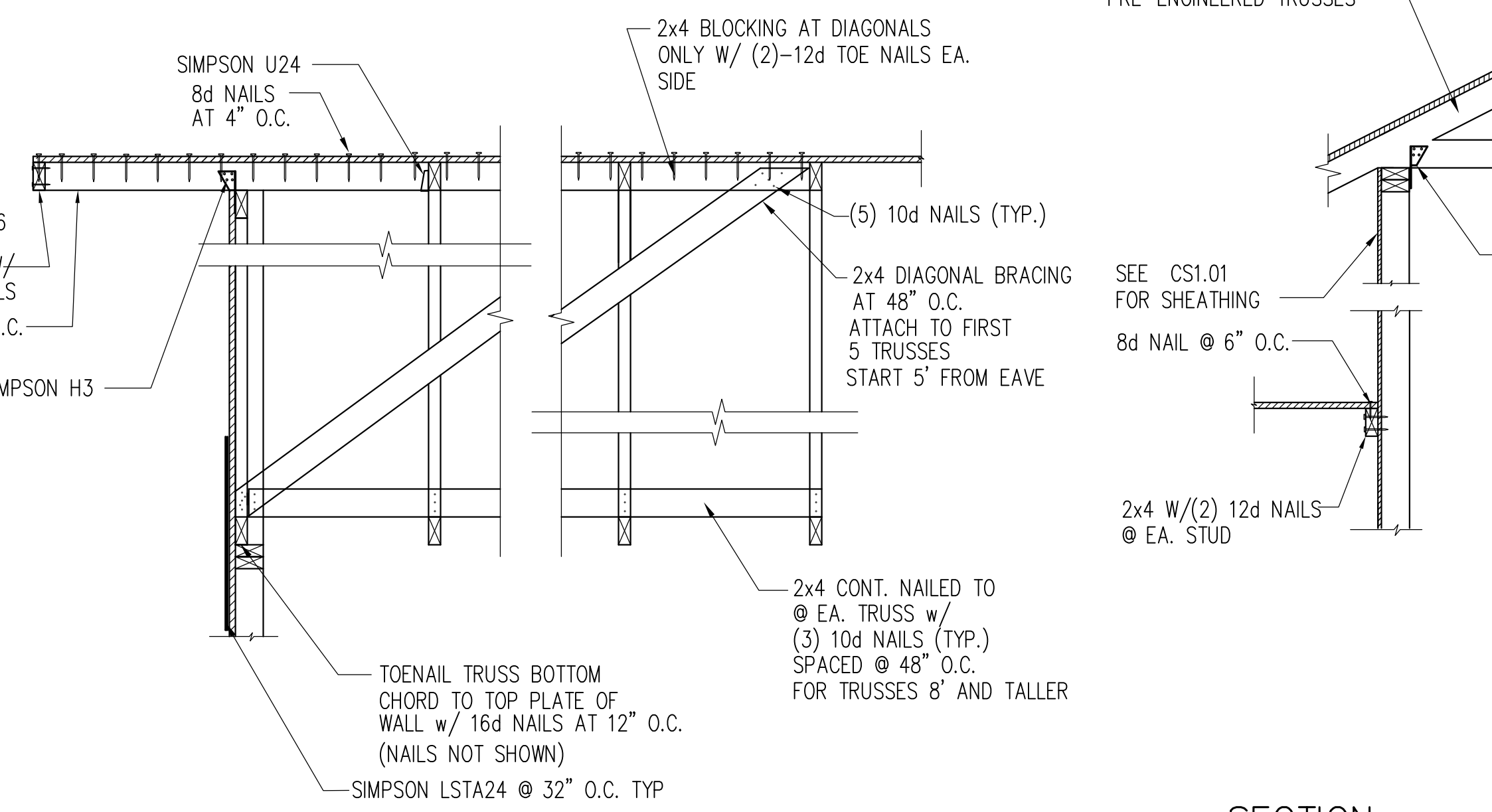
1 TYPICAL STUD WALL HOLDDOWN
SCALE 3/4" = 1'-0"

APPLIES TO ALL STUD WALLS SUPPORTING ROOF TRUSSES.
ANCHORAGE/STRAPPING FOR ENDS OF SHEAR WALLS IS NOT SHOWN SEE CS1.01 SHEET



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

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

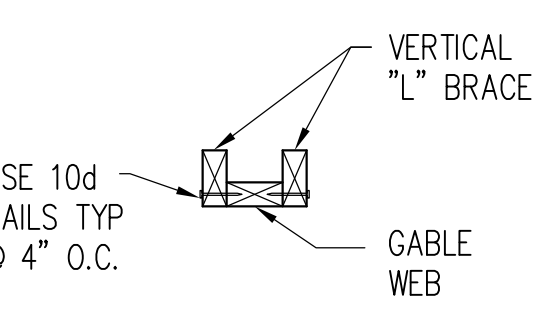


4 TYPICAL SECTION AT GABLE END TRUSSES
SCALE 3/4" = 1'-0"

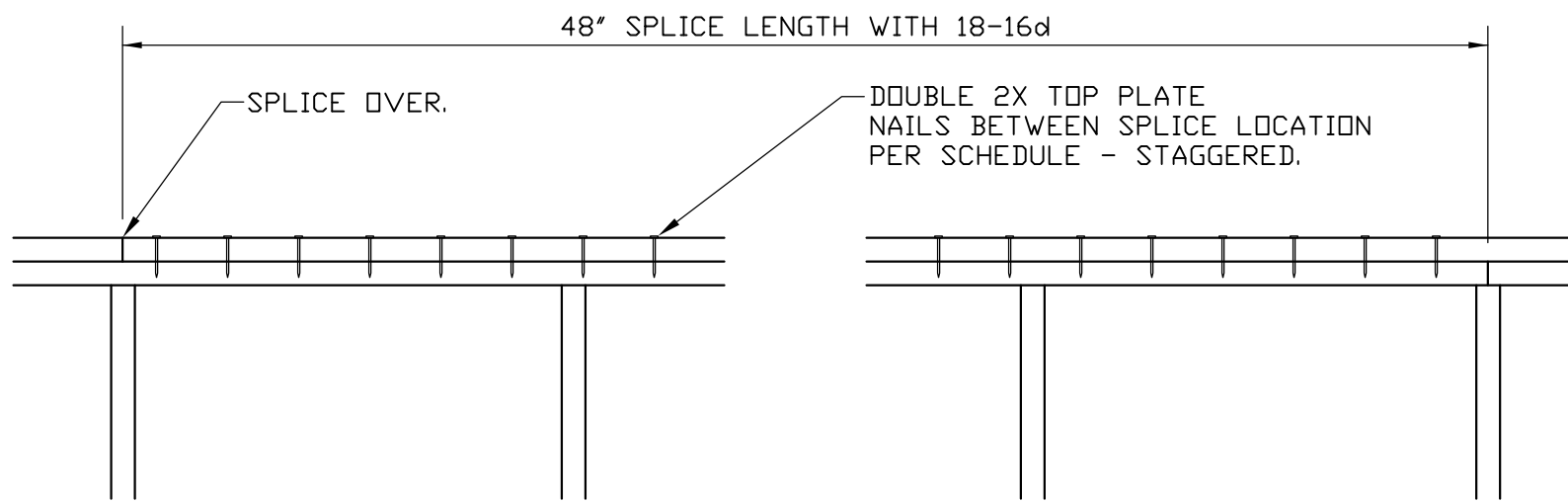
9 SECTION
SCALE 3/4" = 1'-0"

"L" BRACING REQUIREMENTS

STUD SPACING	NO "L" BRACE	(1) 2x4 "L" BRACE	(2) 2x4 "L" BRACE	(2) 2x6 "L" BRACE
16"	0'-0" - 4'-5"	4'-5" - 8'-0"	8'-0" - 11'-5"	11'-5" - 15'-6"
24"	0'-0" - 4'-0"	4'-0" - 6'-10"	6'-10" - 8'-10"	8'-10" - 12'-8"



NOTES:
1. THIS DETAIL APPLIES AT ALL EXTERIOR WALLS AND INTERIOR SHEARWALLS.



6 TYP. TOP PLATE SPLICE
SCALE 3/4" = 1'-0"

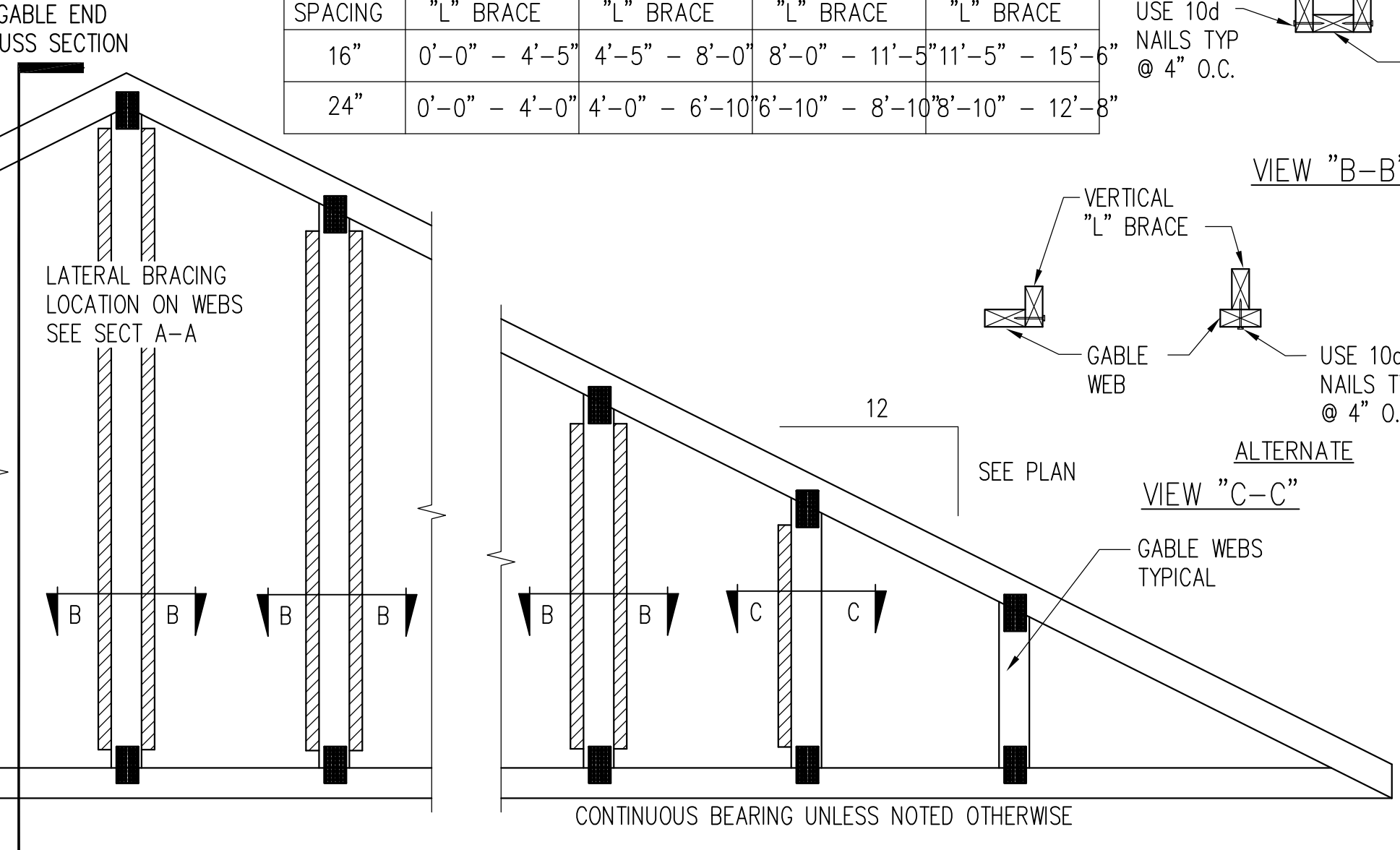
MINIMUM WALL AND HEADER STUD REQUIREMENTS

UPLIFT CONNECTION REQUIREMENT AT POINTS 'A' (TOP AND BOTTOM OF HEADER STUDS). UPLIFT CONNECTION IS REQUIRED AT EACH END OF HEADER AND AT BOTTOM OF HEADER STUDS IN ADDITION TO CONNECTORS AT WALL STUDS

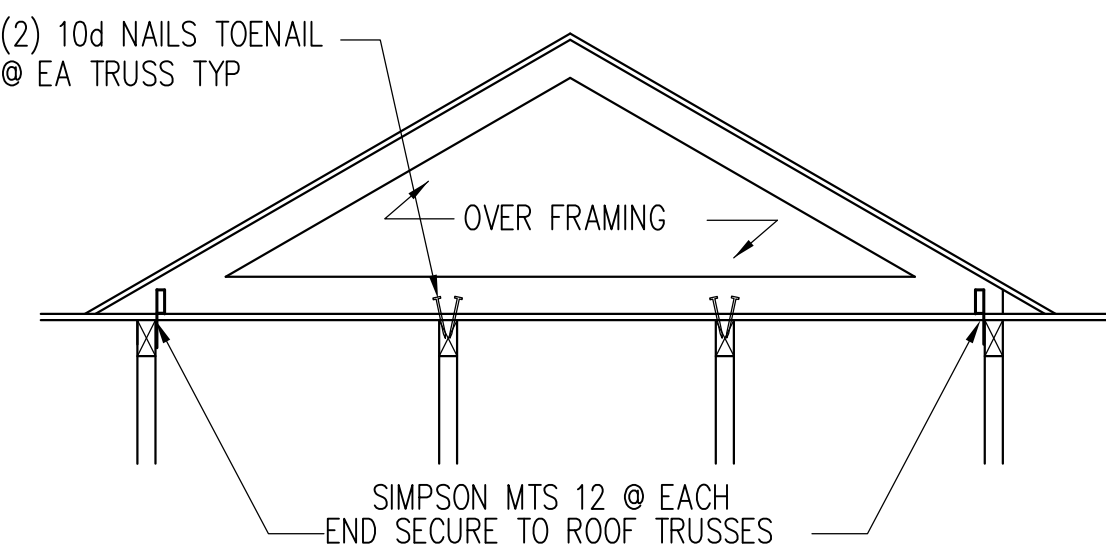
UNSUPPORTED WALL HEIGHT	STUD SPACING	MAXIMUM HEADER SPAN (FEET)				
		3	6	9	12	15
10'-6" OR LESS	16"	2	2	3	3	3
GREATER THAN 10'-6"	16"	2	4	4	6	6

*THE HEADER STUD SHALL NOT BE REQUIRED IF THE HEADER IS SUPPORTED BY A SUITABLE FRAMING ANCHOR

8 HEADER AND BEAM STUD SCHEDULE
SCALE 3/4" = 1'-0"



5 STANDARD GABLE END BRACING DETAIL
SCALE 3/4" = 1'-0"



7 STRAP OVER FRAMING
SCALE N. T. S.

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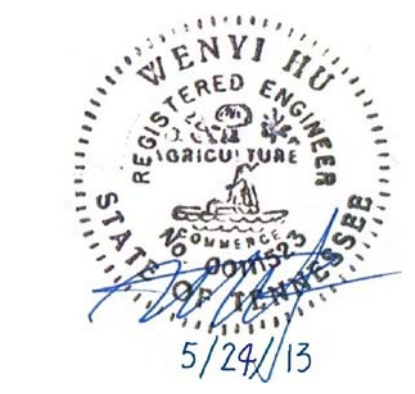
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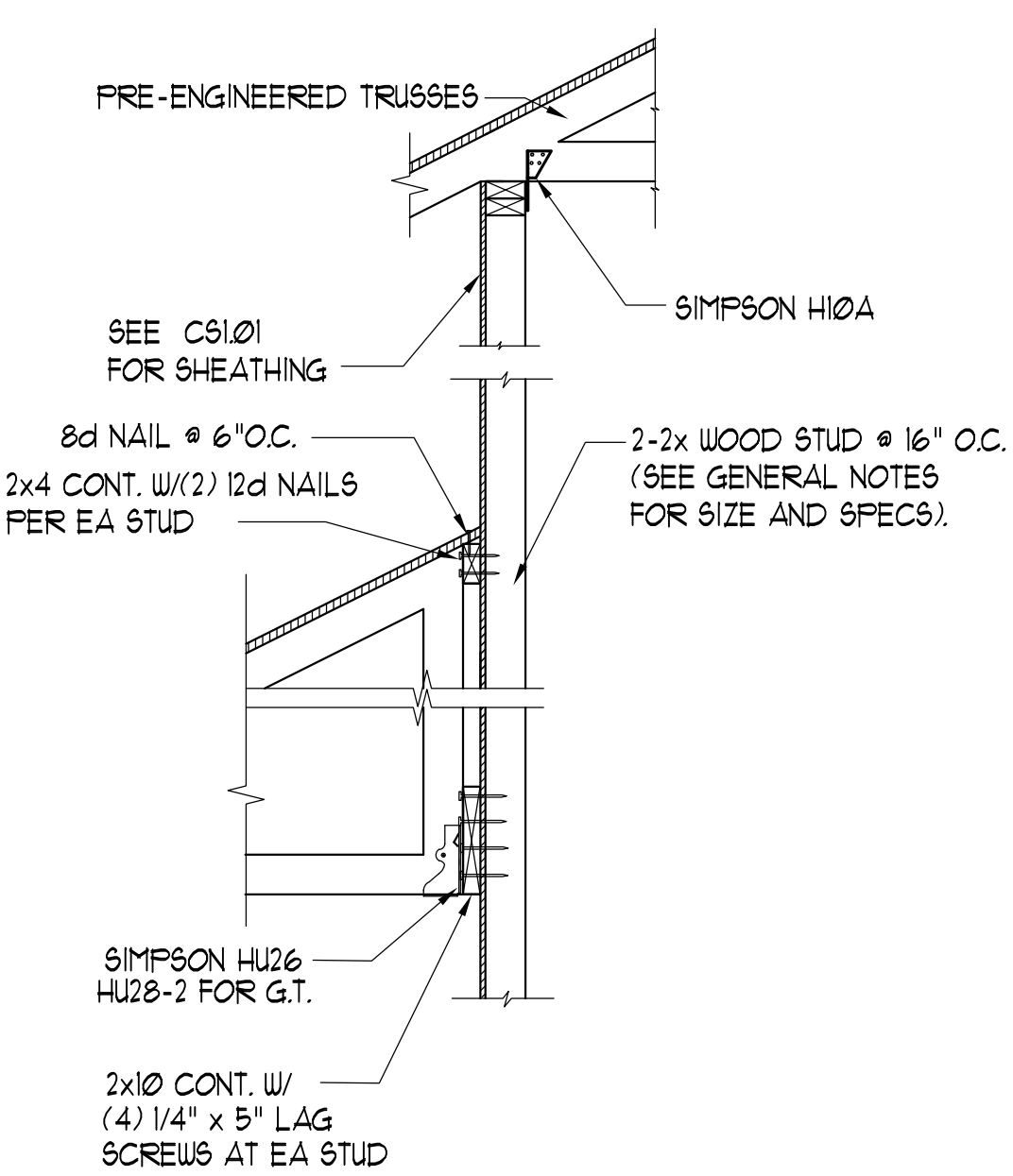
BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOOGA, TN

SECTIONS AND DETAILS
CS5.02

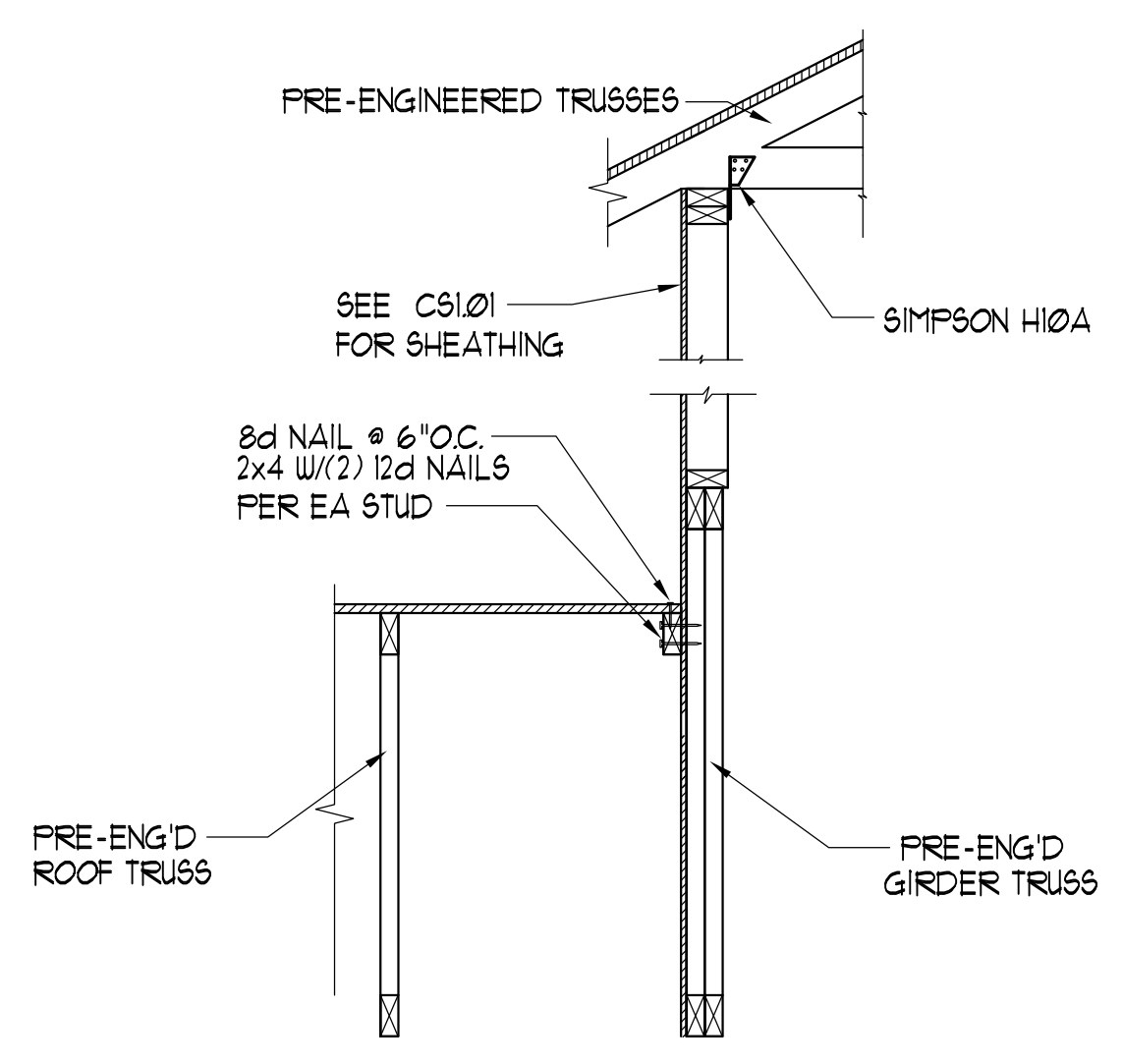


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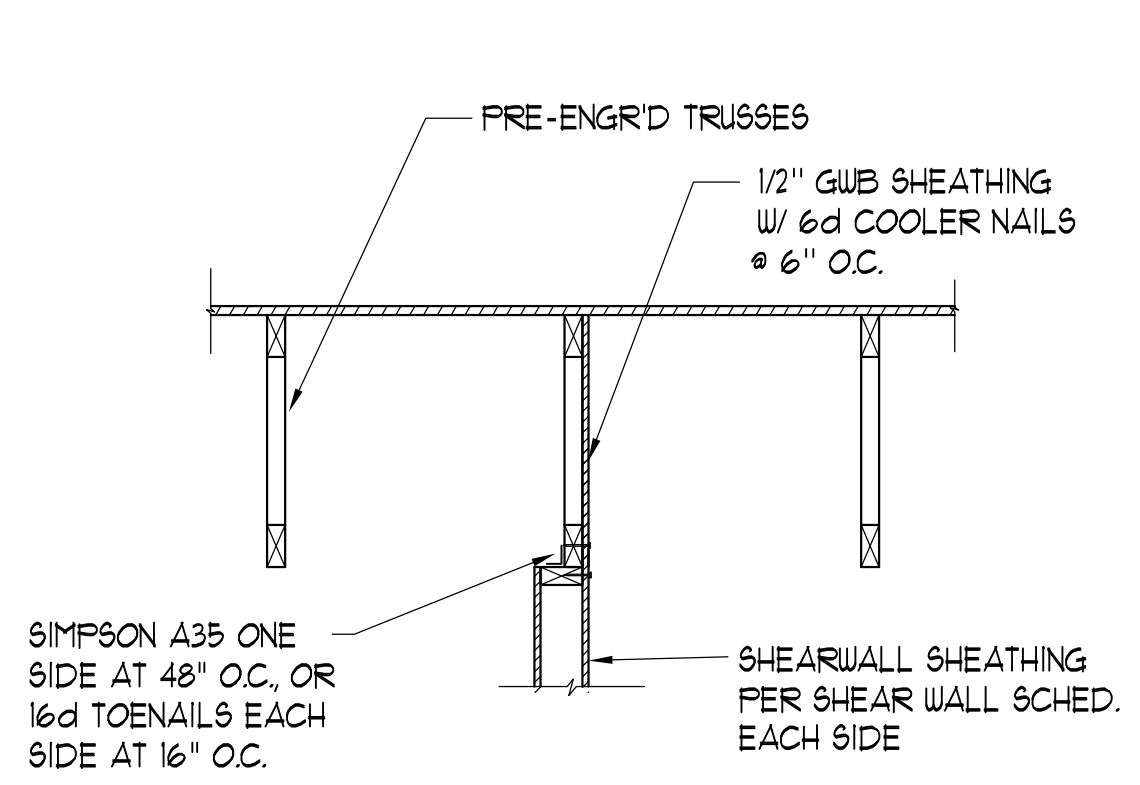
A
B
C
D
E
F
G
H



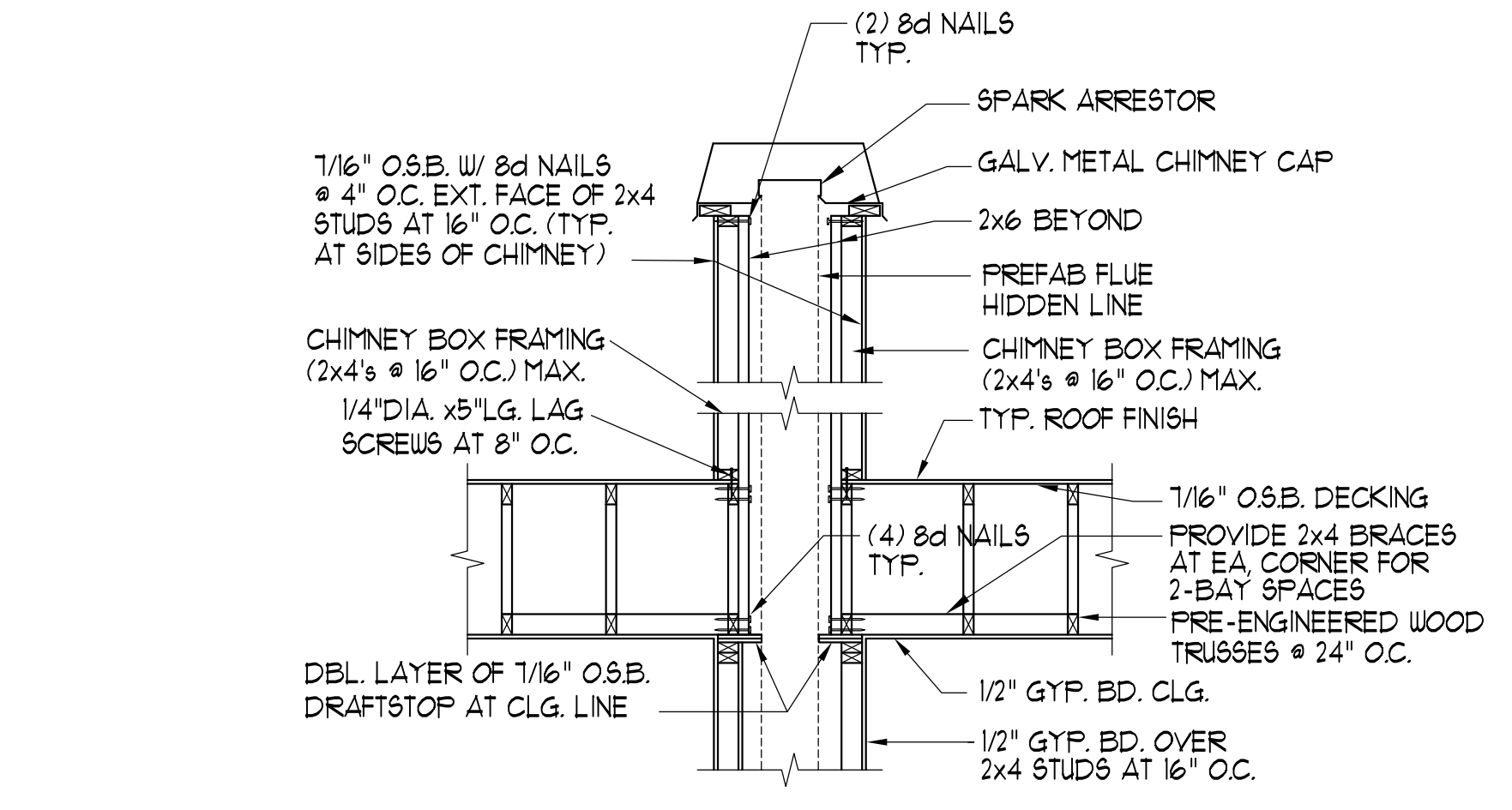
1 SECTION
SCALE 3/4" = 1'-0"



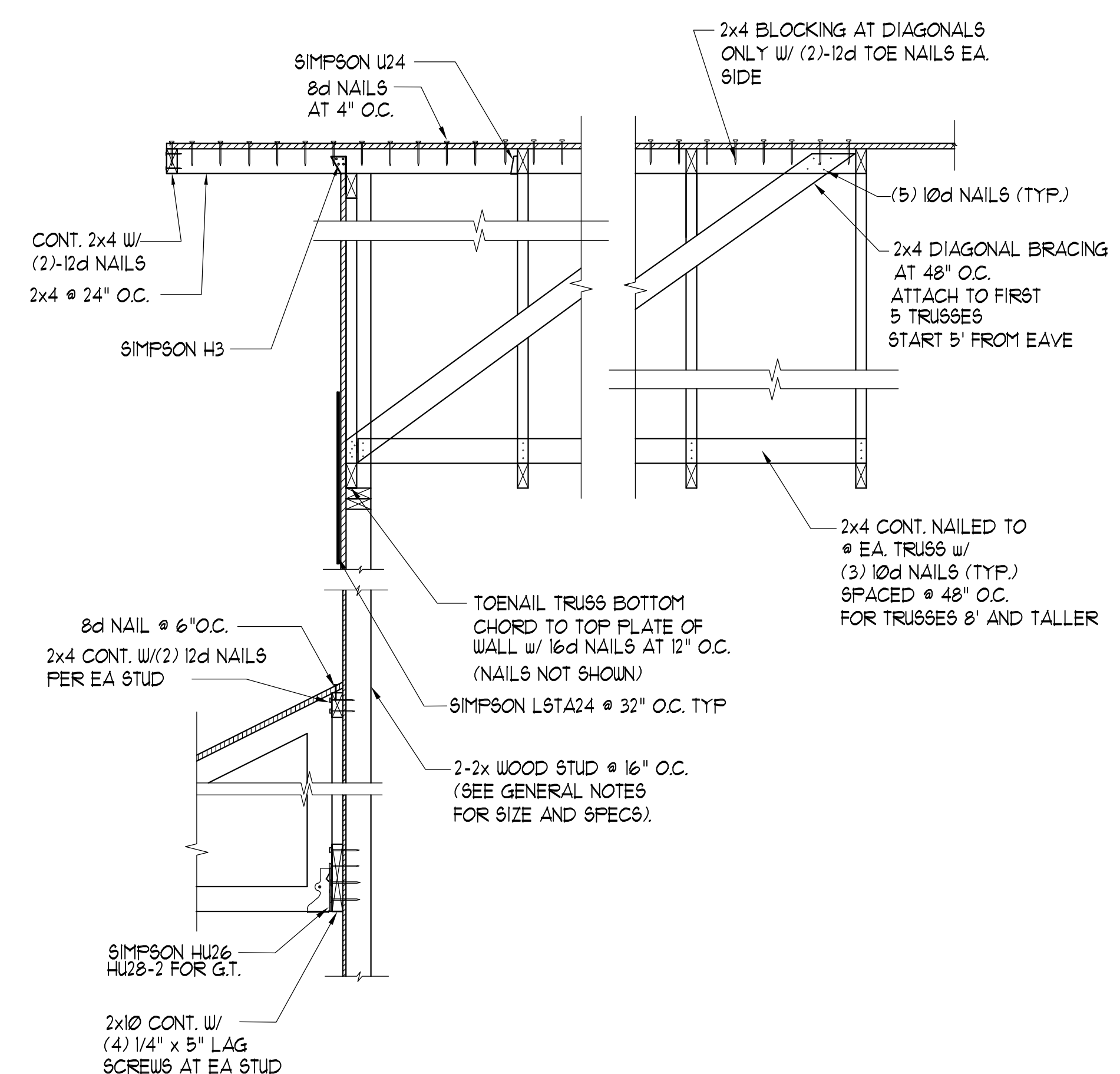
2 SECTION
SCALE 3/4" = 1'-0"



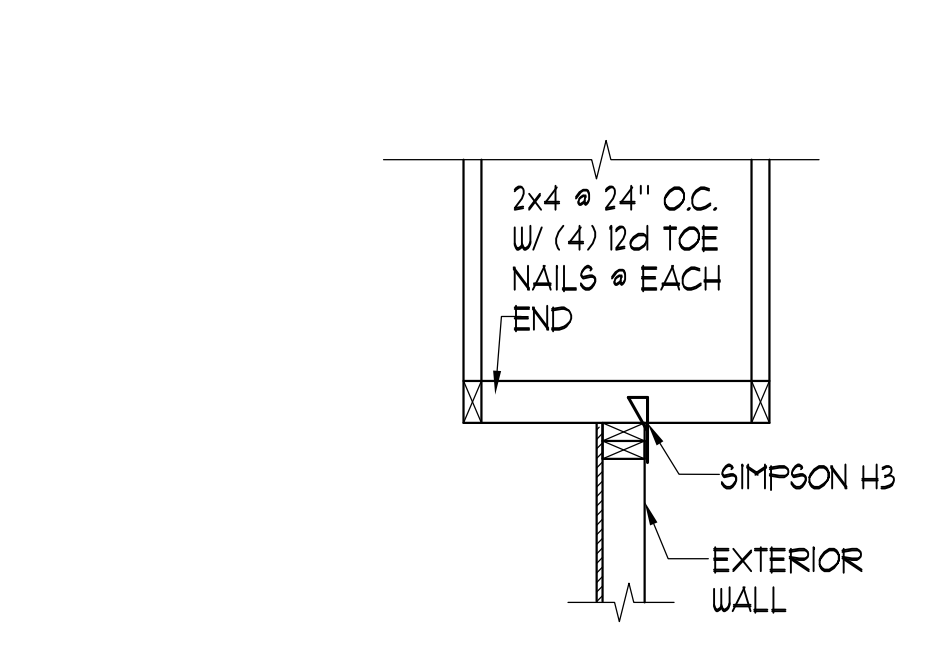
3 TYP. SHEARWALL SECTION AT ROOF
SCALE 3/4" = 1'-0"



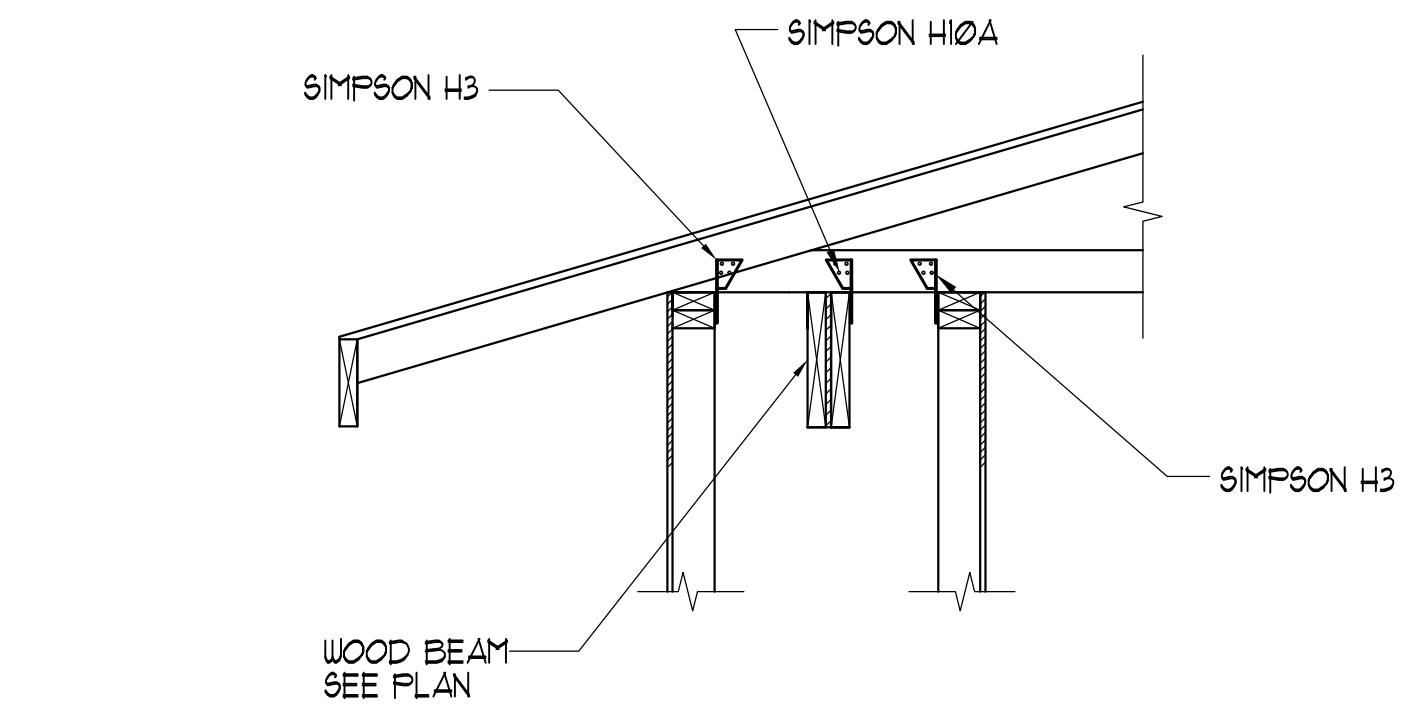
4 TYP. CHIMNEY SECTION
SCALE 3/4" = 1'-0"



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



6 BRACE EXTERIOR WALL
SCALE 3/4" = 1'-0"



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

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Wenyi Hu P.E.
Tennessee No. 00111523

BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOGA, TN.

Drawn: XH
Checked: MX
Approved: Approver
Date: 05/01/2013
Project #: 5166.400

SECTIONS AND DETAILS

CS5.03

WENYI HU
REGISTERED ENGINEER
IN
STRUCTURAL ENGINEERING
STATE OF TENNESSEE
No. 25873

5/24/13

1 2 3 4 5 6 7 8 9 10

CLUBHOUSE HVAC CONTROL SEQUENCE

AIR HANDLING UNIT (AHU) CONTROL SEQUENCE

- GENERAL: PROVIDE A 5-1-1 PROGRAMMABLE THERMOSTAT THAT WILL ALLOW SCHEDULING FOR OCCUPIED AND UNOCCUPIED HOURS. OCCUPIED/UNOCCUPIED MODE SHALL BE DETERMINED BY A TIME-OF-DAY SCHEDULE. OWNER TO DETERMINE OCCUPIED/UNOCCUPIED TIMES. THERMOSTAT SHALL HAVE A REMOTE-MOUNTED AVERAGING TEMPERATURE SENSOR.
- OCCUPIED MODE: WHEN THE AHU IS IN THE OCCUPIED MODE, THE COMPRESSOR AND FAN WILL CYCLE IN ORDER TO MAINTAIN THE SPACE SET POINT. THE MOTORIZED OUTDOOR AIR DAMPER WILL BE INTERLOCKED WITH THE UNIT TO ONLY BE OPEN WHEN THE HEAT PUMP COMPRESSOR IS RUNNING. THE SPACE TEMPERATURE SHALL BE MONITORED BY MULTIPLE TEMPERATURE SENSORS LOCATED WITHIN THE SPACE, AND THE AVERAGE TEMPERATURE OF THE SPACE SENSORS SHALL BE USED. WHEN THE AVERAGE SPACE TEMPERATURE IS BELOW THE HEATING SET POINT, THE THERMOSTATS CONTROLLING THE HEAT PUMPS SHALL AUTOMATICALLY CHANGEOVER TO THE HEATING MODE.
- UNOCCUPIED MODE: WHEN THE AIR HANDLING UNIT IS SCHEDULED IN THE UNOCCUPIED MODE, THE UNIT SHALL CYCLE AS REQUIRED TO MAINTAIN THE UNOCCUPIED TEMPERATURE SET POINTS. UNOCCUPIED TEMPERATURE SET POINTS TO BE DETERMINED BY OWNER.

EXHAUST FAN (EF) CONTROL SEQUENCE

- EXHAUST FANS EF-1C AND EF-2C SHALL BE INTERLOCKED WITH THEIR RESPECTIVE BATHROOM LIGHT SWITCH.
- EXHAUST FAN EF-3C SHALL BE CONTROLLED BY A SEPARATE SWITCH LOCATED IN THE ROOM.

CLUBHOUSE TEST AND BALANCE

- A. THE CLUBHOUSE HVAC SYSTEM SHALL BE TESTED AND BALANCED BY THE MECHANICAL CONTRACTOR, SUBJECT TO THE PRIOR APPROVAL OF THE ENGINEER. ALL INSTRUMENTS USED SHALL BE ACCURATELY CALIBRATED AND MAINTAINED IN GOOD WORKING ORDER.
- B. CONDUCT TESTING AND BALANCING IN ACCORDANCE WITH AABC NATIONAL STANDARDS FOR FIELD MEASUREMENT AND INSTRUMENTATION, TOTAL SYSTEM BALANCE, ASHRAE 1984 SYSTEMS HANDBOOK, OR NEBB PROCEDURAL STANDARDS FOR TESTING, BALANCING AND ADJUSTING OF ENVIRONMENTAL SYSTEMS.
- C. SHOULD THE BASIC SYSTEM OR ANY OF ITS COMPONENTS FAIL TO MEET CONTRACT REQUIREMENTS, AND THEREBY MAKE THE TESTING AND BALANCING WORK INVALID, NOTIFY THE ENGINEER AND STOP THE TESTS UNTIL SUCH TIME THAT THE FAILURE IS CORRECTED.
- D. SPECIFIC TESTING AND BALANCING PROCEDURES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
- TEST AND ADJUST SPEED OF FAN WITHIN 5% OF DESIGN.
 - BALANCE TOTAL AIRFLOW AND OUTDOOR AIRFLOW WITHIN 5% OF DESIGN.
 - RECORD COIL ENTERING AND LEAVING AIR TEMPERATURES (DRY BULB AND WET BULB).
 - TEST AND RECORD MOTOR VOLTAGE AND AMPERAGE.
 - BALANCE AIR DEVICES WITHIN 5% OF DESIGN SUPPLY AIR QUANTITIES.
- SUBMIT REPORTS ON AABC NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE OR NEBB FORMS.

CLUBHOUSE HVAC DESIGN DATA

WALL U VALUE (BTU/HR-FT ² -F)	0.077		
ROOF U VALUE (BTU/HR-FT ² -F)	0.026		
WINDOW U VALUE (BTU/HR-FT ² -F)	0.34		
WINDOW SOLAR HEAT GAIN COEFFICIENT	0.33		
INDOOR AREA DESIGN CONDITIONS	SUMMER	WINTER	
	DB (F)	% HUMIDITY	DB (F)
AHU-HP-1C	75	50	72
AHU-HP-2C	75	50	72

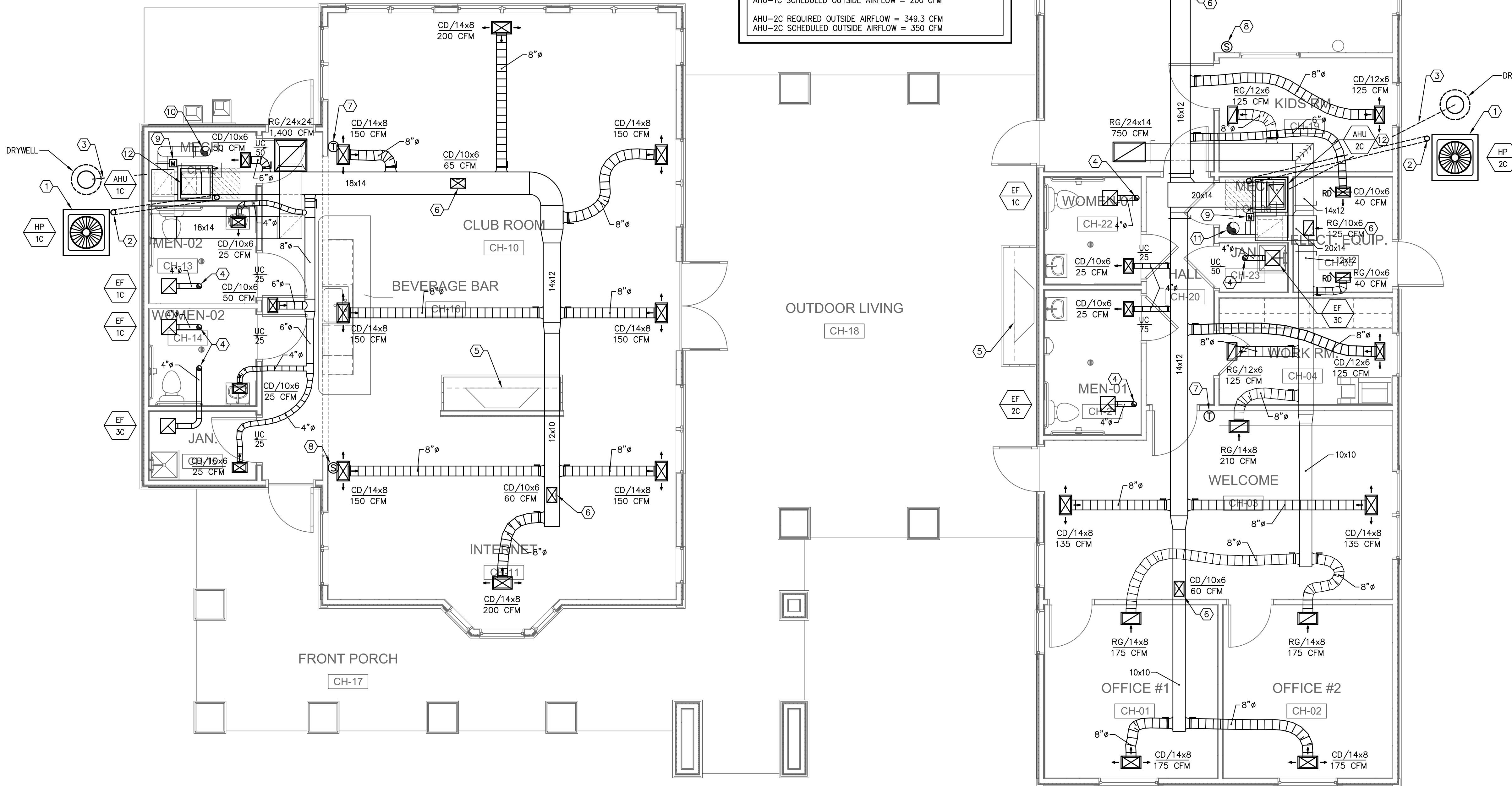
ASHRAE 62.1 COMPLIANCE

OUTSIDE AIRFLOW CALCULATIONS

THE REQUIRED OUTSIDE AIR FOR EACH SYSTEM WAS CALCULATED USING THE GUIDELINES SET FORTH IN ASHRAE STANDARD 62.1-2010. THE APPROPRIATE PEOPLE OUTDOOR AIR RATE (Rp) AND THE AREA OUTDOOR AIR RATES (Ra) WERE SELECTED FROM TABLE 6-1 BASED ON THE OCCUPANCY CATEGORY FOR EACH SPACE. THE BREATHING ZONE OUTSIDE AIRFLOW WAS CALCULATED FOR EACH SPACE USING THESE NUMBERS AND THE SPACE OCCUPANCY AND SQUARE FOOTAGE. THE SUM OF ALL OF THE SPACE AND BREATHING ZONE OUTSIDE AIR FLOWS WAS TOTALLED AND CORRECTED USING THE APPROPRIATE OCCUPANT DIVERSITY AND SYSTEM VENTILATION EFFICIENCY.

AHU-1C REQUIRED OUTSIDE AIRFLOW = 192.6 CFM
 AHU-1C SCHEDULED OUTSIDE AIRFLOW = 200 CFM

AHU-2C REQUIRED OUTSIDE AIRFLOW = 349.3 CFM
 AHU-2C SCHEDULED OUTSIDE AIRFLOW = 350 CFM



GENERAL NOTES

- REFER TO SHEET CM.01 FOR SYMBOL LEGEND, SCHEDULES, AND GENERAL NOTES.
- REFER TO DETAILS ON M6.01.

REFERENCE NOTES

- MOUNT HEAT PUMPS ON REINFORCED CONCRETE PADS. COORDINATE LOCATION WITH ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL DRAWINGS. PROVIDE EQUIPMENT TAGS ON HEAT PUMPS INDICATING THE AHU SERVED. TAGS SHALL BE THREE-LAYER PLASTIC WITH ENGRAVED WHITE LETTERS ON A BLACK BACKGROUND.
- REFRIGERANT PIPING AND CONTROLS ROUTED TO HEAT PUMPS. THE CONTRACTOR IS RESPONSIBLE FOR REFRIGERANT PIPING DESIGN AND ROUTING.
- ROUTE CONDENSATE TO EXTERIOR DRYWELL. REFER TO DETAIL ON M6.01 FOR MORE INFORMATION. ALL UNDERGROUND CONDENSATE PIPING SHALL BE 2" SCH 40 PVC SLOPED TO DRYWELL.
- EA DUCT UP TO ROOF CAP. PRIME AND PAINT ROOF CAP TO MATCH ROOF COLOR. INSTALL CAPS LOCATED ON THE SAME ROOF SLOPE AT THE SAME ELEVATION AND AN EVEN SPACING FOR A UNIFORM APPEARANCE.
- FIREPLACE AND FIREPLACE VENTING BY OTHERS.
- AIR DEVICE LOCATED ABOVE CEILING FOR ATTIC VENTILATION. PROVIDE BALANCING DAMPER.
- THERMOSTAT WITH INTEGRAL TEMPERATURE SENSOR AND ADDITIONAL REMOTELY-MOUNTED TEMPERATURE SENSOR FOR TEMPERATURE AVERAGING.
- REMOTE TEMPERATURE SENSOR FOR AVERAGING.
- 120V MOTORIZED DAMPER INTERLOCKED WITH HEAT PUMP OPERATION.
- 8" Ø OA DUCT UP TO ROOF CAP WITH INSECT SCREEN AND NO BACKDRAFT DAMPER. PRIME AND PAINT ROOF CAP TO MATCH ROOF COLOR.
- 10" Ø OA DUCT UP TO ROOF CAP WITH INSECT SCREEN AND NO BACKDRAFT DAMPER. PRIME AND PAINT ROOF CAP TO MATCH ROOF COLOR.
- MOUNT AHU ON STAND AND PROVIDE FIRE DAMPERS PER DETAIL ON M6.01.

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT ISSUE

REVISION HISTORY

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1	09/15/11	PERMIT COMMENT REVISION



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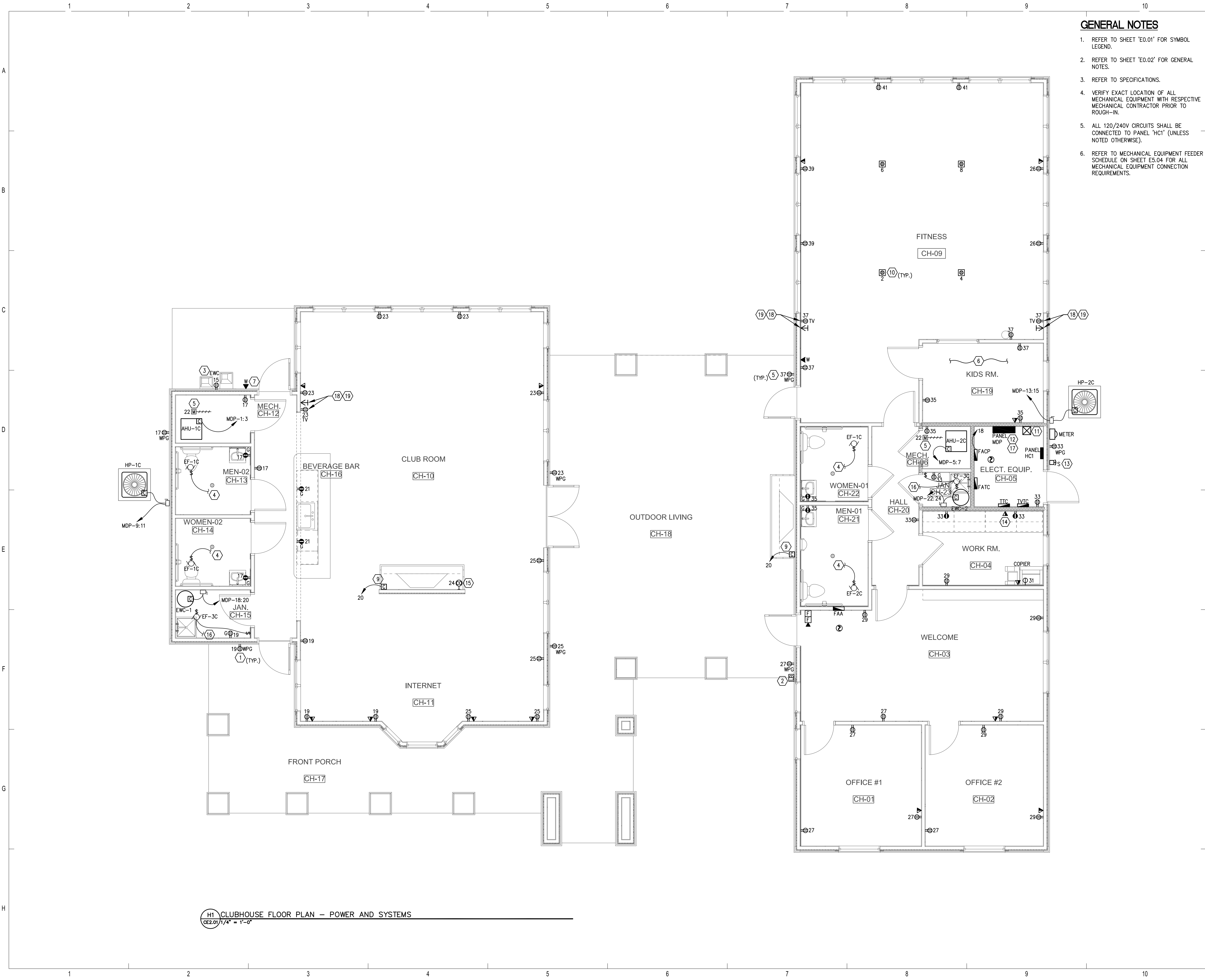
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 KYLE J. CARTIER, P.E. 1111384

BRIDGEWAY APARTMENTS CLUBHOUSE
 CHATTANOOGA, TN.
 Date: 05/01/2013
 Project #: 5166.400

CLUBHOUSE - FLOOR PLAN - MECHANICAL
 CM2.01



1 CLUB HOUSE - FLOOR PLAN - MECHANICAL
 CM2.01/1/4" = 1'-0"



GENERAL NOTES

1. REFER TO SHEET 'E0.01' FOR SYMBOL LEGEND.
2. REFER TO SHEET 'E0.02' FOR GENERAL NOTES.
3. REFER TO SPECIFICATIONS.
4. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
5. ALL 120V/240V CIRCUITS SHALL BE CONNECTED TO PANEL 'HCT' (UNLESS NOTED OTHERWISE).
6. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE ON SHEET E5.04 FOR ALL MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS.

REFERENCE NOTES

- 1) PROVIDE "IN-USE" TYPE COVER ON ALL EXTERIOR RECEPTACLES.
- 2) VERIFY EXACT LOCATION OF LOCKBOX WITH A.H.J. PRIOR TO ROUGH-IN.
- 3) LOCATE RECEPTACLE BEHIND EWC, SO THAT RECEPTACLE IS CONCEALED. COORDINATE WITH EWC MANUFACTURER'S INSTRUCTIONS FOR INFORMATION.
- 4) CONNECT EXHAUST FAN TO LIGHT CIRCUIT SWITCH LEG FOR OPERATION WITH LIGHTING.
- 5) PROVIDE 120V POWER CONNECTION FOR MOTORIZED DAMPER. COORDINATE EXACT LOCATION WITH DIVISION 15.
- 6) PROVIDE SAFETY TYPE RECEPTACLES WITHIN THIS ROOM AS MANUFACTURED BY PASS & SEYMOUR CAT. #TR62-X, OR EQUIVALENT, COLOR TO BE SELECTED BY ARCHITECT.
- 7) PROVIDE OUTLET FOR 911 PHONE PER OWNER.
- 8) PROVIDE POWER AND COMMUNICATION CONNECTION TO OWNER PROVIDED WATER METER PANEL.
- 9) PROVIDE 120 POWER CONNECT TO GAS FIRE PLACE. COORDINATE EXACT LOCATION OF CONNECTION AND REQUIREMENTS WITH FIREPLACE VENDOR/MANUFACTURER PRIOR TO ROUGH-IN.
- 10) COORDINATE FLOOR RECEPTACLE QUANTITIES AND LOCATIONS WITH OWNER AND INTERIOR DESIGNER FOR EXERCISE EQUIPMENT BEFORE CONSTRUCTION.
- 11) LIGHTING CONTACTOR 'MXA'. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.
- 12) COORDINATE ALL POOL EQUIPMENT CONNECTION REQUIREMENTS WITH POOL INSTALLER PRIOR TO ROUGH-IN.
- 13) COORDINATE LOCATION WITH LOCAL FIRE DEPT. AND AHJ.
- 14) LOCATE ABOVE COUNTER ADJACENT TO 120V OUTLET.
- 15) PROVIDE LOCAL 120V CARBON MONOXIDE DETECTOR.
- 16) CONNECT TO UNSWITCHED LOCAL 120V LIGHTING CIRCUIT.
- 17) STUB OUT CONDUITS AS REQUIRED FOR SITE/LANDSCAPE LIGHTING. COORDINATE WITH SITE LIGHTING CONTRACTOR.
- 18) VERIFY EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. IF UP HIGH, MOUNT AT 90" AFF; IF AT MID HEIGHT, MOUNT AT 48" AFF; IF LOW, MOUNT AT 18" AFF.
- 19) PROVIDE SINGLE GANG RECESSED TV BOX WITH DUPLEX RECEPTACLE MANUFACTURED BY PASS & SEYMOUR CAT. #TWTW OR EQUIVALENT. PROVIDE LOW VOLTAGE CONNECTION CIT, CAT. #TWTVSS WITH F CONNECTOR INCLUDED.

ISSUE HISTORY

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H1 CLUBHOUSE FLOOR PLAN - POWER AND SYSTEMS
CE2.01/1/4" = 1'-0"



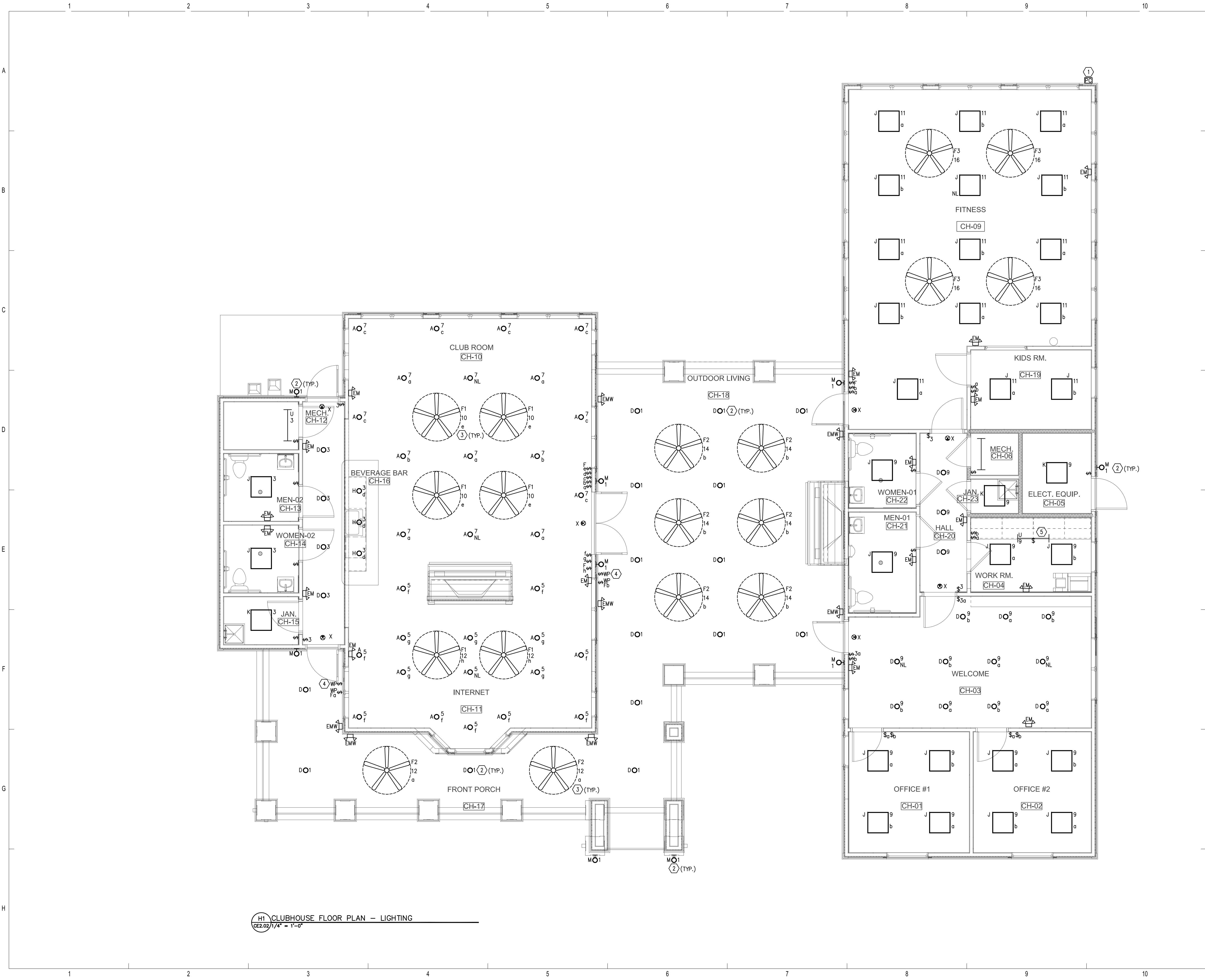
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Drawn: TLC
Checked: RDP
Approved: KJC
Date: 05/01/2013
Project #: 5166-400

BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOOGA, TN
CLUBHOUSE FLOOR PLAN - POWER AND SYSTEMS
CE2.01





H1 CLUBHOUSE FLOOR PLAN - LIGHTING
CE2.02/1/4" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 'E0.01' FOR SYMBOL LEGEND.
2. REFER TO SHEET 'E0.02' FOR GENERAL NOTES.
3. REFER TO SPECIFICATIONS.
4. ALL 120/240V CIRCUITS SHALL BE CONNECTED TO PANEL 'HC1' (UNLESS NOTED OTHERWISE).
5. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
6. ALL FIXTURES DESIGNATED WITH 'NL' ARE NIGHT LIGHT FIXTURES AND SHALL BE CONNECTED AHEAD OF ALL SWITCHES AND CONTROLS FOR 24 HOUR OPERATION.

REFERENCE NOTES

- ① PHOTOCELL MOUNTED ON FACE OF BUILDING. CONTRACTOR SHALL MOUNT PHOTOCELL ON THE NORTH SIDE OF THE BUILDING AND FACE DUE NORTH. CONTRACTOR TO VERIFY IN FIELD PRIOR TO ROUGH-IN.
- ② ROUTE EXTERIOR LIGHTS VIA LIGHTING CONTACTOR 'MXA'. PROVIDE #10 AWG CONDUCTORS MINIMUM FOR VOLTAGE DROP.
- ③ CONNECT CEILING FAN LIGHT VIA LIGHTING CONTACTOR 'MXA'.
- ④ PROVIDE CEILING FAN OVERRIDE SWITCH FOR LIGHT.
- ⑤ LOCATE IN ATTIC ADJACENT TO ACCESS HATCH.

ISSUE HISTORY

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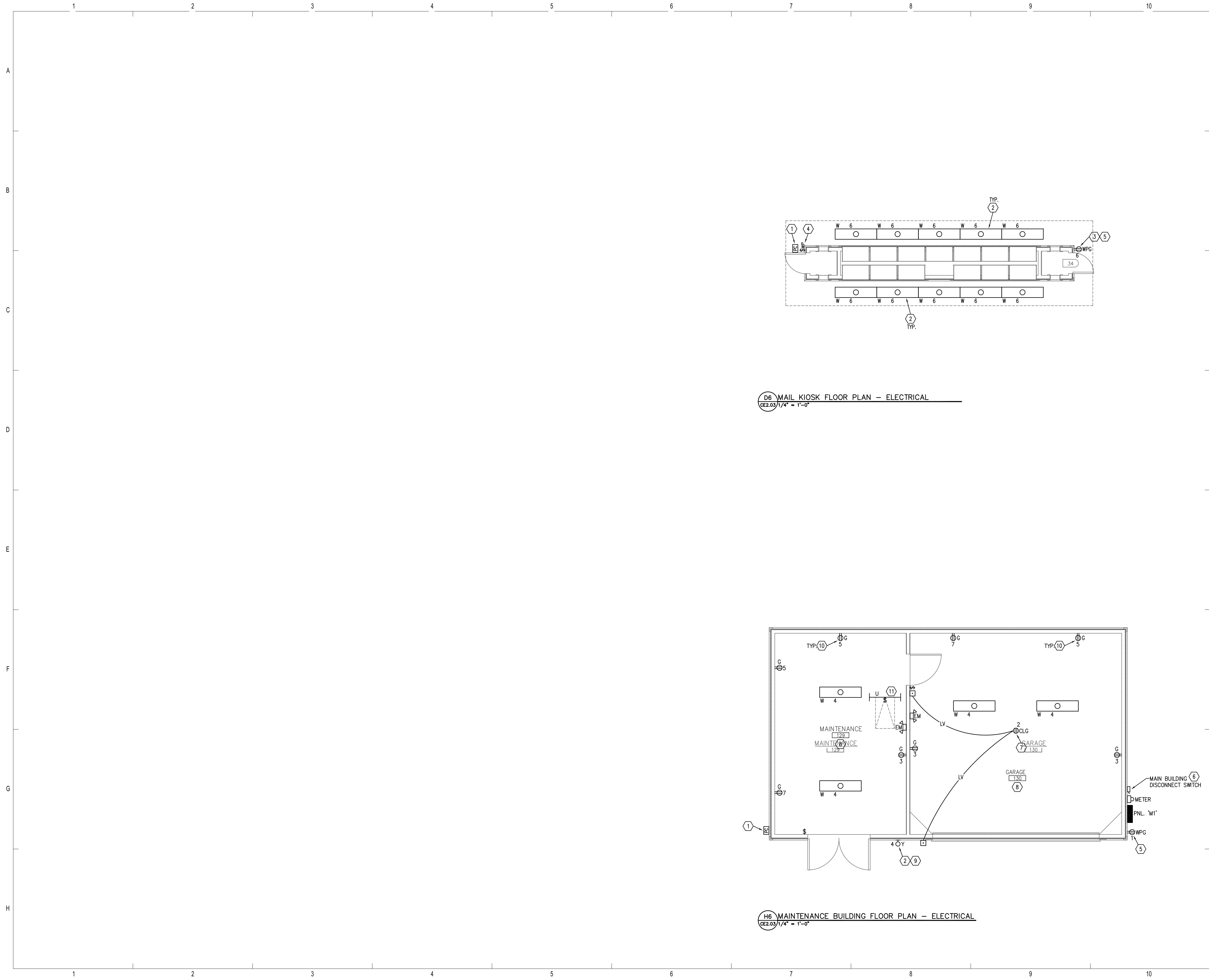
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BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOGA, TN

Drawn: TLC
Checked: RDP
Approved: KJC
Date: 05/01/2013
Project #: 5166-400

CLUBHOUSE FLOOR PLAN - LIGHTING CE2.02





D6 MAIL KIOSK FLOOR PLAN - ELECTRICAL
CE2.03/1/4" = 1'-0"

H6 MAINTENANCE BUILDING FLOOR PLAN - ELECTRICAL
CE2.03/1/4" = 1'-0"

GENERAL NOTES

- REFER TO SHEET 'E0.01' FOR SYMBOL LEGEND.
- REFER TO SHEET 'E0.02' FOR GENERAL NOTES.
- REFER TO SPECIFICATIONS.
- VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH RESPECTIVE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- ALL 120/240V CIRCUITS SHALL BE CONNECTED TO PANEL 'M1' (UNLESS NOTED OTHERWISE).
- CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.

REFERENCE NOTES

- PHOTOCELL MOUNTED ON FACE OF BUILDING. CONTRACTOR SHALL MOUNT PHOTOCELL ON THE NORTH SIDE OF THE BUILDING AND FACE DUE NORTH. CONTRACTOR TO VERIFY IN FIELD PRIOR TO ROUGH-IN.
- ROUTE EXTERIOR LIGHTS VIA PHOTOCELL.
- CONNECT AHEAD OF PHOTOCELL.
- PROVIDE SWITCH TO SERVE AS BUILDING MAIN POWER DISCONNECT. MOUNT AT 48" AFG, LABEL PER A.H.J. ROUTE HOMERUN CIRCUIT TO PANEL 'M1' LOCATED IN MAINTENANCE BUILDING. PROVIDE (2) #8 AND #8 GND. IN 3/4".
- PROVIDE "IN-USE" COVER.
- PROVIDE LABEL "MAIN DISCONNECT SWITCH" ON DISCONNECT SWITCH PER A.H.J.
- GARAGE DOOR OPENER PROVIDED BY OWNER. COORDINATE EXACT LOCATION PER MANUFACTURER'S RECOMMENDATIONS.
- ALL ELECTRICAL IN THIS ROOM SHALL BE INSTALLED FROM OVERHEAD AND NOT BE INSTALLED BELOW 24" AFF.
- MOUNT LIGHT FIXTURE 8'-6" AFG TO BOTTOM OF FIXTURE. COORDINATE WITH ARCHITECT PRIOR TO ROUGH-IN.
- INSTALL RECEPTACLE 24" AFF, TYPICAL.
- LOCATE IN ATTIC ADJACENT TO ACCESS HATCH.

ISSUE HISTORY

No.	Date	Description
1	05/31/13	PERMIT ISSUE

REVISION HISTORY

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Drawn: TLC
Checked: RDP
Approved: KJC
Date: 04/29/2013
Project #: 5166-400

BRIDGEWAY APARTMENTS
CHATTANOOGA, TN

MAIL KIOSK AND MAINT. BLDG FLOOR PLANS - ELECTRICAL CE2.03



PLUMBING EQUIPMENT SCHEDULE			
MARK	FIXTURE	MANUF./MODEL	REMARKS
WCO-1	WALL CLEAN-OUT	CHARLOTTE PIPE NO. 105	CLEANOUT ADAPTER TO BE FITTED TO CLEANOUT TEE FITTING. SIZE AS INDICATED ON DRAWINGS. PROVIDE ZURN #2-1468 BRONZE RAISED HEX HEAD PLUG AND ROUND STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.
ECO-1	EXTERIOR CLEAN-OUT	-	PROVIDE CLEAN-OUT WITH 2-WAY CLEAN-OUT TEE. (LAWN. IN FLUSH 12"x12"x4" CONCRETE PAD)
FCO-1	FLOOR CLEAN-OUT	JONESPEC #CO-2450	ADJUSTABLE FLOOR CLEANOUT WITH PVC BODY WITH ADJUSTABLE NICKLE BRONZE AND ABS TAPER THREAD PLUG. SIZE AS INDICATED ON DRAWINGS.

PLUMBING FIXTURE CONNECTION SCHEDULE							
ITEM	DESCRIPTION	WASTE	TRAP	VENT	CW	HW	REMARKS
WC-1	WATER CLOSET	3"	INTEG	2"	1"	-	FLR MTD FL VLV 1.5 GAL ADA
UR-1	URINAL	2"	2"	1-1/2"	3/4"	-	ADA
L-1	LAVATORY	2"	1-1/4"	1-1/2"	1/2"	1/2"	WL HG ADA
S-1	SINK - SINGLE	2"	1-1/2"	1-1/2"	1/2"	1/2"	-
JS-1	JANITOR'S SINK	3"	3"	1-1/2"	3/4"	3/4"	-
DW-1	DISH WASHER	5/8"	-	-	-	-	NOTE 1
EWC-1	ELEC. WATER COOLER	2"	1-1/2"	1-1/2"	1/2"	-	-
EWC-2	ELEC. WATER COOLER	2"	1-1/2"	1-1/2"	1/2"	-	ADA

ABBREVIATIONS			
CTR	COUNTERTOP	MTD	MOUNTED
FLR	FLOOR	GAL	GALLONS
HG	HUNG	SS	STAINLESS STEEL
FL	FLUSH	ADA	AMERICAN DISABILITIES ACT COMPLIANT
VLV	VALVE		
TK	TANK		
WL	WALL		

NOTES

- PROVIDED BY OTHERS INSTALLED BY PLUMBING CONTRACTOR.
- X

PLUMBING SYMBOL LEGEND	
SYMBOL/ABBREV.	DESCRIPTION
—SAN—	SANITARY PIPING ABOVE GRADE
—SAN—	SANITARY PIPING BELOW GRADE
---	VENT PIPING
----	DOMESTIC COLD WATER PIPING
----	DOMESTIC HOT WATER PIPING
⊗	FLOOR DRAIN
⊙	HUB DRAIN
⊕	PIPING TEE UP
⊖	PIPING TEE DOWN
⊘	PIPING ELL UP
⊙	PIPING ELL DOWN
⊚	BALL VALVE
⊚	PRESSURE RELIEF VALVE
⊚	FLOOR CLEANOUT
⊚	EXTERIOR CLEANOUT
⊚	WALL CLEANOUT
⊚	GAS SHUT-OFF VALVE
ABBREVIATION	
ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
CONT	CONTINUATION
CW	COLD WATER (POTABLE)
DW	DISHWASHER
DWG.	DRAWING
ECO	EXTERIOR CLEAN-OUT
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
GWH	GAS WATER HEATER
HB	HOSE BIBB
HW	HOT WATER
HWRP	HOT WATER RECIRC. PUMP
JS	JANITOR SINK
L	LAVATORY
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
SA	SHOCK ARRESTOR
SAN	SANITARY
UNO	UNLESS NOTED OTHERWISE
UB-1	UTILITY BOX
VRV	VACUUM RELIEF VALVE
WC	WATER CLOSET
WCO	WALL CLEAN-OUT
WH	WALL HYDRANT
WSB	WASHER SUPPLY BOX

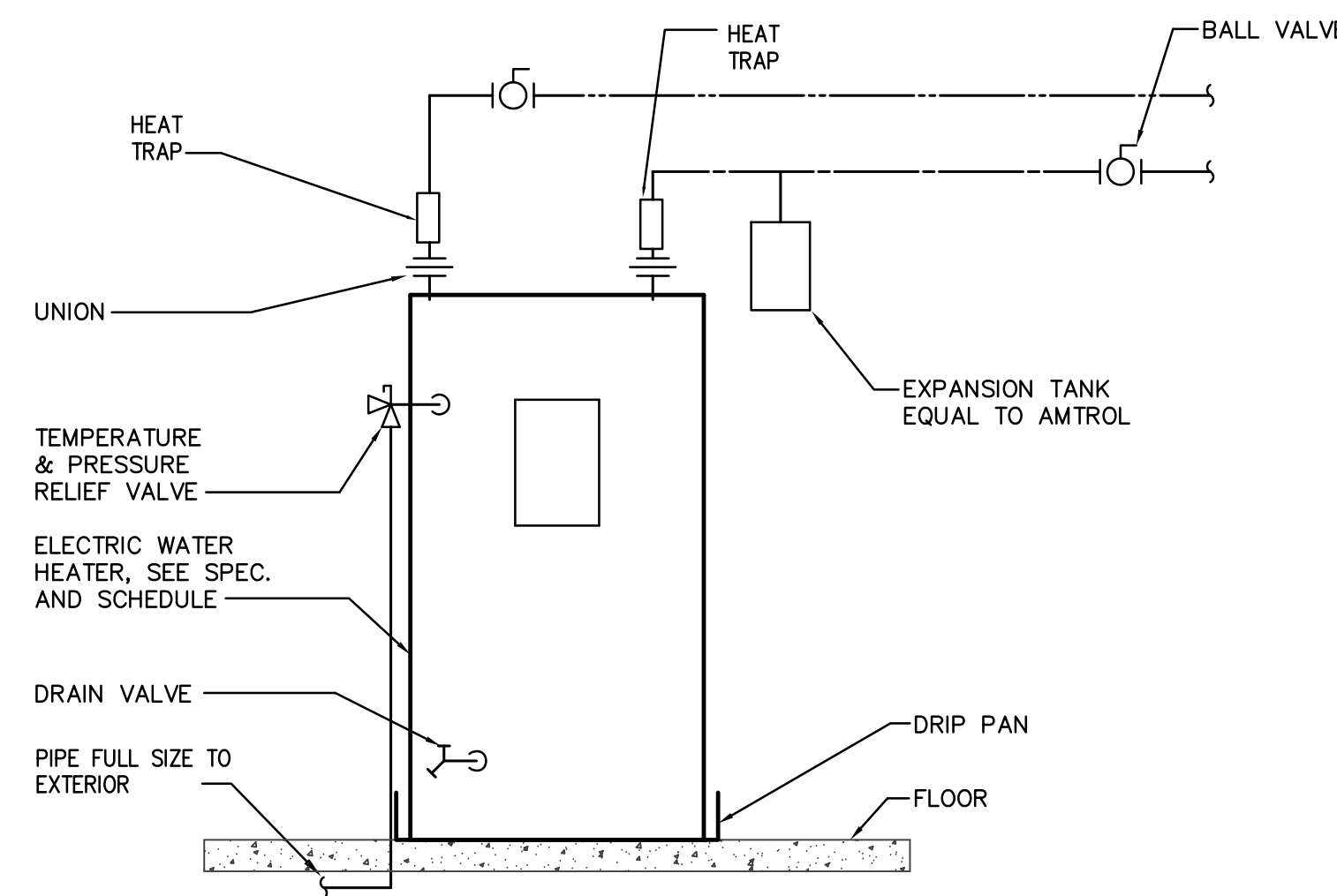
PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	MANUFACTURER	SUPPLY FITTING	FAUCET	DRAINS	TRAP	REMARKS
WC-1	WATER CLOSET FLOOR MTD (1)	AMERICAN STANDARD 3043.102	SLOAN REGAL 111-1-YB-YC-YK-ADA	-	PROVIDED BY PLUMBING CONTRACTOR	-	ADA
L-1	LAVATORY WALL HUNG	AMERICAN STANDARD 0356.012	PROVIDED BY PLUMBING CONTRACTOR	MOEN L4621	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	ADA
UR-1	URINAL	AMERICAN STANDARD 6541.132	SLOAN "REGAL" 186-1-YB-YC-YK-ADA	-	PROVIDED BY PLUMBING CONTRACTOR	-	HANDICAPPED
S-1	SINK - SINGLE	KOHLER K-3349-2	PROVIDED BY PLUMBING CONTRACTOR	KOHLER K-16112-4A-BN	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	PROVIDE WITH GARBAGE DISPOSAL
JS-1	JANITOR SINK	FIAT MSB-2424	PROVIDED BY PLUMBING CONTRACTOR	FIAT 830-AA	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	-
EWC-1	ELECTRIC WATER COOLER	ELKAY LZ8	PROVIDED BY PLUMBING CONTRACTOR	-	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	PROVIDE WITH WATER FILTER
EWC-2	ELECTRIC WATER COOLER	ELKAY LZ8	PROVIDED BY PLUMBING CONTRACTOR	-	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	PROVIDE WITH WATER FILTER ADA
HB-1	HOSE BIBB	WOODFORD MODEL 25 SERIES FREEZELESS	-	-	-	-	PROVIDE WITH LOOSE KEY HANDLE AND VACUUM BREAKER
FD-1	FLOOR DRAIN	JOSAM 30000-S-50-T-17	PROVIDED BY PLUMBING CONTRACTOR	-	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	-
-	TRAP PRIMER VALVE	PRECISION PLUMBING PRODUCTS	PROVIDED BY PLUMBING CONTRACTOR	-	PROVIDED BY PLUMBING CONTRACTOR	PROVIDED BY PLUMBING CONTRACTOR	-

NOTES

- (1) WITH ELONGATED OPEN FRON SEAT BY OLSONITE LESS COVER.

SHOCK ARRESTOR SCHEDULE	
P.D.I. SIZE	FIXTURE UNITS
'SA-A'	1-11
'SA-B'	12-32
'SA-C'	33-60
'SA-D'	61-113
'SA-E'	114-154
'SA-F'	155-330

ELECTRIC WATER HEATER SCHEDULE	
MARK	EW-1 & 2
MANUFACTURER	A.O. SMITH
MODEL	ELSF-20
STORAGE CAPACITY (GAL)	20
RECOVERY (GPH)	23 @ 80°R
UNIT SIZE	22" H x 21" DIA.
OPERATIONAL WEIGHT (LBS)	250
KW INPUT	3.0
VOLTAGE	240V
PHASE	1



ELECTRICAL WATER HEATER DIAGRAM
N.T.S.

GENERAL NOTES:

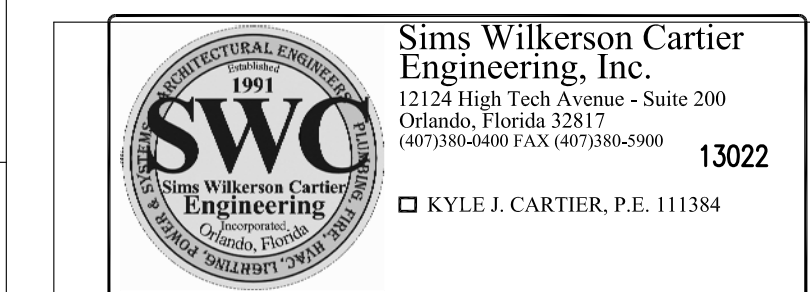
- FIELD VERIFY ALL MEASUREMENTS PRIOR TO LAYING AND CONNECTING ANY PIPING, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- PROVIDE SHOCK ARRESTORS FOR PREVENTING WATER HAMMER AT EACH BATTERY OF FIXTURES ON THE COLD AND HOT WATER SUPPLIES. PROVIDE SHOCK ARRESTORS AT ISOLATED PLUMBING FIXTURES. SHOCK ARRESTORS SHALL BE FACTORY FABRICATED AND LOCATED FULLY ACCESSIBLE. SHOCK ARRESTORS SHALL BE SIZED PER PLUMBING AND DRAINAGE INSTITUTE STANDARD WH-201. AIR CHAMBERS ARE NOT ACCEPTABLE.
- MAINTAIN FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING PENETRATIONS.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS WITHIN WALLS OR IN CHASES EXCEPT AS SPECIFICALLY NOTED.
- PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS, SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURE MOUNTING HEIGHTS AND DIMENSIONS. DO NOT SCALE DRAWINGS. DRAWINGS ARE DIAGRAMATIC AND ARE INTENDED TO SHOW GENERAL ROUTING.
- VERIFY ELEVATIONS OF SEWER PIPING TO WHICH NEW SEWERS ARE TO BE CONNECTED PRIOR TO INSTALLATION OF ANY PIPING.
- PROVIDE DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- THE CONTRACTOR IS EXPECTED TO ORDER MATERIALS IN SUFFICIENT TIME TO AVOID DELAYING THE COMPLETION OF THE PROJECT. DELAY IN DELIVERIES WILL NOT BE CONSIDERED A JUSTIFIABLE REASON FOR SUBSTITUTION OF MATERIALS.
- ALL COPPER PIPE PENETRATIONS THROUGH CONCRETE WALLS AND FLOORS SHALL BE SLEEVED. SLEEVES SHALL BE SCHEDULE 40 PVC. ALL COPPER PIPE WITHIN CONCRETE BLOCK WALLS SHALL BE WRAPPED WITH UPC PLASTIC COVERING.

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No.	Date	Description
1	05/31/13	PERMIT ISSUE

REVISION HISTORY		
No.	Date	Description



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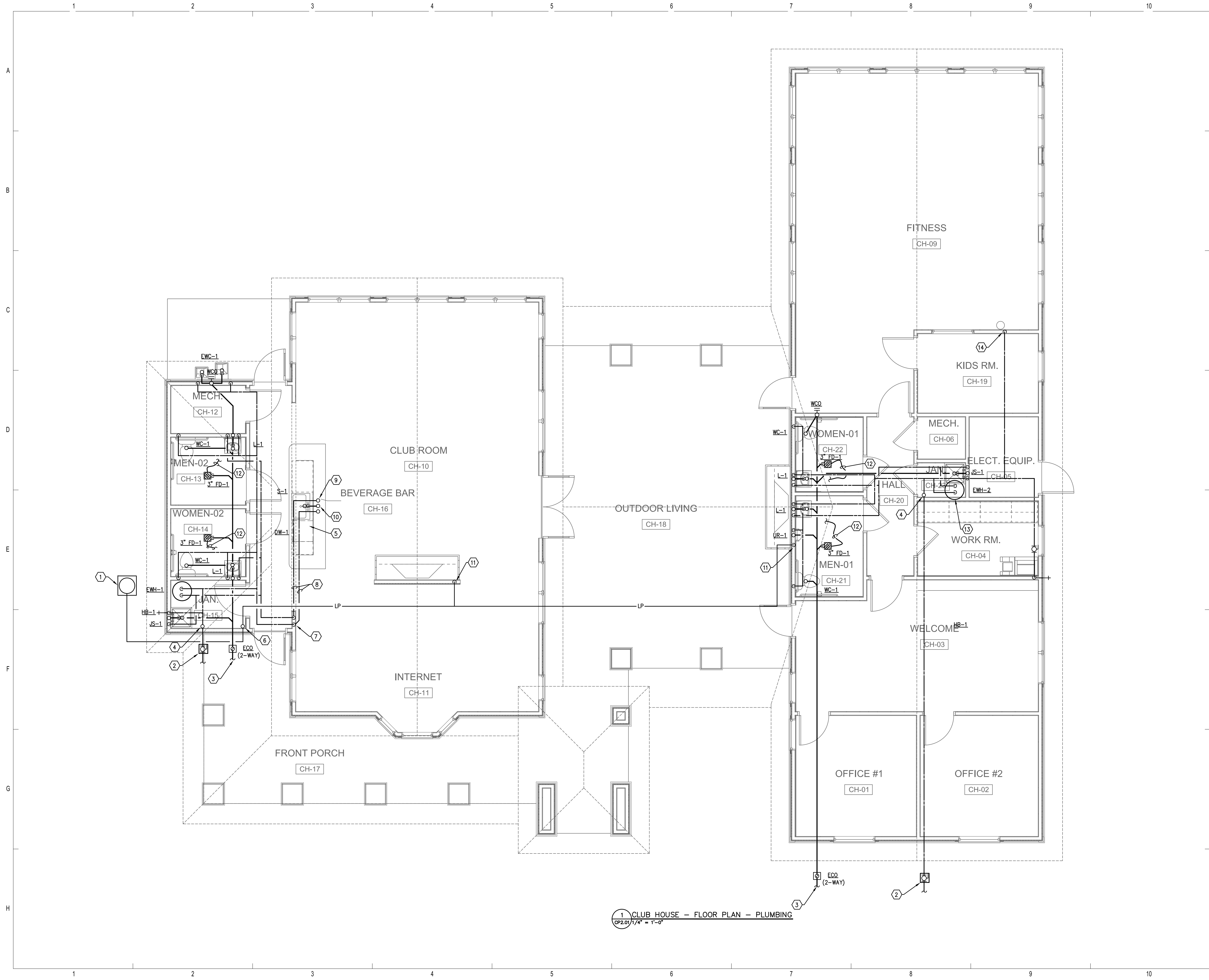
Drawn:	TLC
Checked:	RDP
Approved:	KJC
Date:	05/01/2013
Project #:	5166-400

BRIDGEWAY APARTMENTS CLUBHOUSE
CHATTANOOGA, TN

LEGEND DETAILS AND SCHEDULES - PLUMBING

CP0.01





REFERENCE NOTES:

- 1 L.P. GAS PIPING UNDERGROUND TO FUTURE PAD MOUNTED L.P. TANK. COORDINATE EXACT LOCATION WITH OWNER.
- 2 1" DOMESTIC WATER SERVICE WITH BALL VALVE IN VALVE BOX. FOR CONTINUATION REFER TO CIVIL DRAWINGS.
- 3 4" SANITARY WASTE PIPING BELOW GRADE AT 2'-6" FROM BUILDING WALL. FOR CONTINUATION REFER TO CIVIL DRAWINGS.
- 4 1" DOMESTIC COLD WATER UP FROM BELOW SLAB TO ABOVE CEILING.
- 5 CONNECT DRAIN LINE FROM DISHWASHER TO SINK.
- 6 3/4" GAS UP TO ABOVE CEILING.
- 7 1/2" HOT AND COLD WATER PIPING DOWN TO BELOW SLAB.
- 8 PIPING BELOW SLAB.
- 9 1/2" HOT AND COLD WATER PIPING UP FROM BELOW SLAB.
- 10 2" STUDOR VENT.
- 11 1/2" L.P. GAS DOWN TO FIRE PLACE. COORDINATE WITH FIRE PLACE MANUFACTURER.
- 12 PROVIDE 1/2" COLD WATER BELOW SLAB FROM TRAP PRIMER TO FLOOR DRAIN.
- 13 INSTALL WATER HEATER ABOVE JANITOR SINK.

GENERAL NOTES

1. ALL GAS PIPING AND L.P. TANK SHOWN IS "OWNER OPTION" COORDINATE WITH OWNER.

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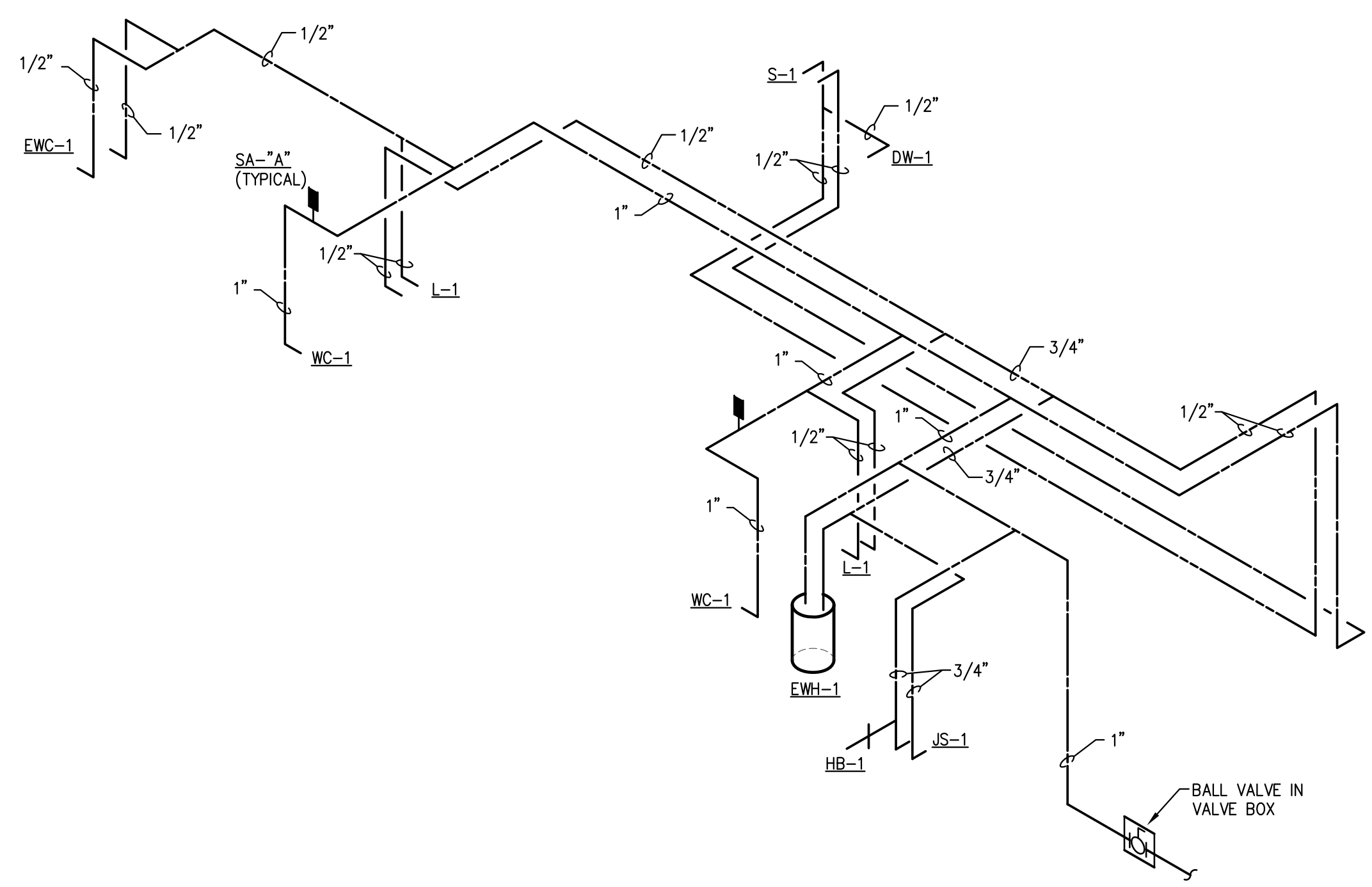
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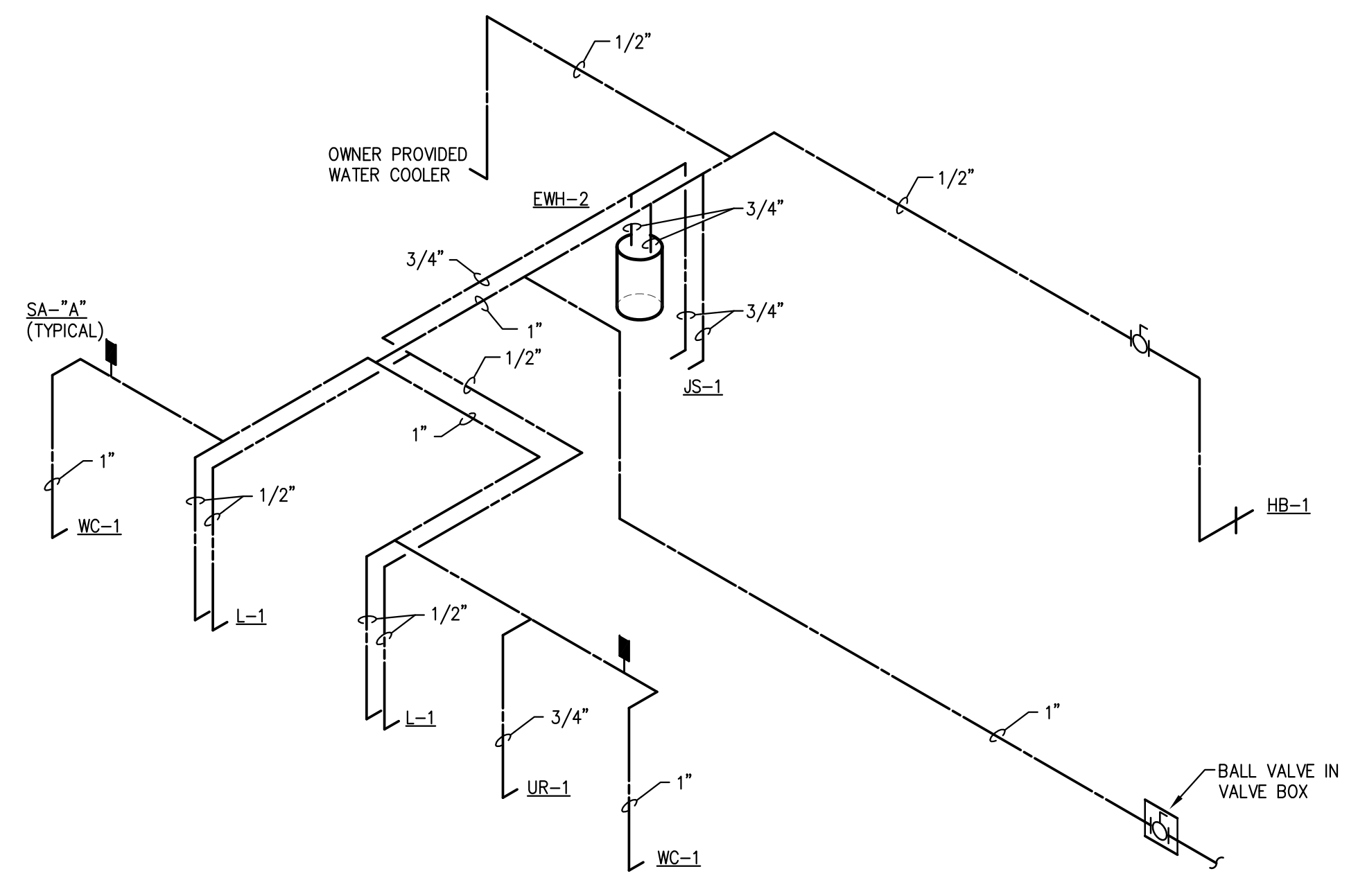
CLUBHOUSE - FLOOR PLAN - PLUMBING	CP2.01
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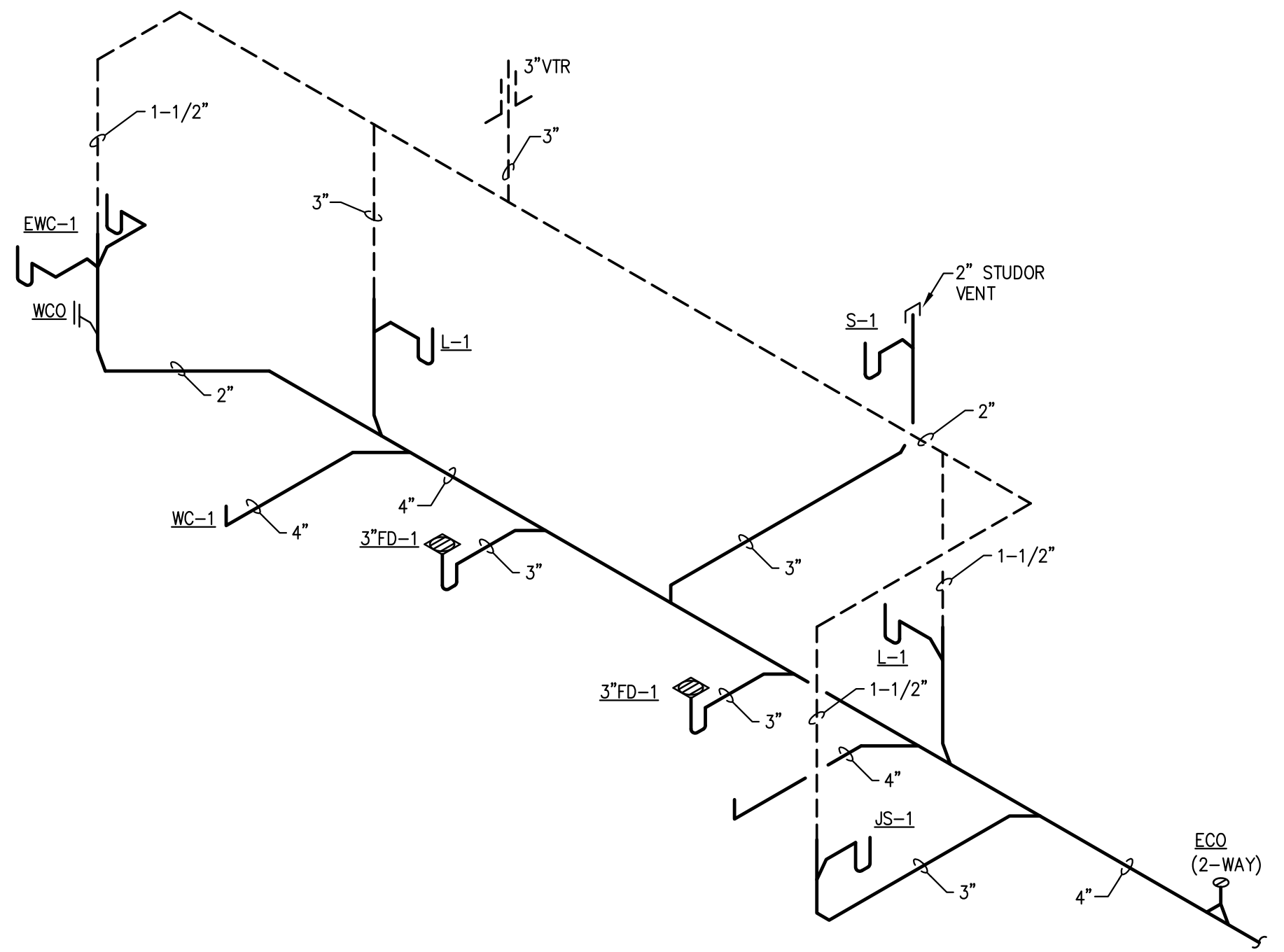
1 CLUB HOUSE - FLOOR PLAN - PLUMBING
CP2.01 1/4" = 1'-0"



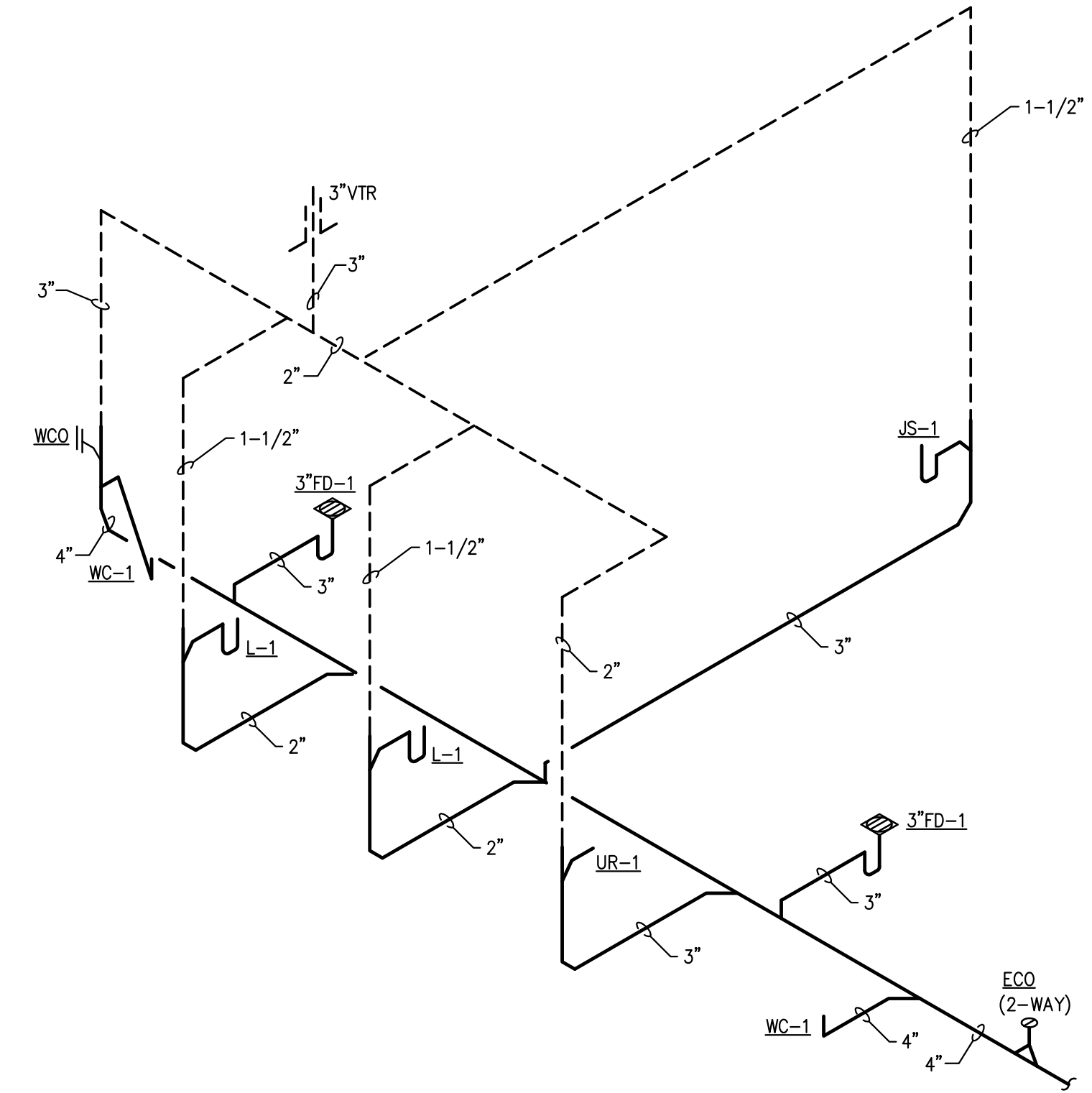
HOT AND COLD WATER RISER DIAGRAM
NOT TO SCALE



HOT AND COLD WATER RISER DIAGRAM
NOT TO SCALE



WASTE AND VENT RISER DIAGRAM
NOT TO SCALE



WASTE AND VENT RISER DIAGRAM
NOT TO SCALE

ISSUE HISTORY		
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1	05/31/13	PERMIT ISSUE
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1	09/15/11	PERMIT COMMENT REVISION



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Project #: 5166-400	

RISERS - PLUMBING CP5.01

