

BUILDING CODE ANALYSIS - FLORIDA BUILDING CODE, 2014 EDITION

CODE SUMMARY

APPLICABLE CODES

- BUILDING CODE: FLORIDA BUILDING CODE (5TH EDITION)
- LIFE SAFETY CODE: 2014 NFPA 101
- PLUMBING CODE: FLORIDA PLUMBING CODE (5TH EDITION)
- ENERGY CODE: FLORIDA ENERGY CODE (5TH EDITION)
- FIRE CODE: FLORIDA PREVENTION CODE (5TH EDITION)
- ACCESSIBILITY CODE: FHA - FAIR HOUSING ACCESSIBILITY GUIDELINES
- ELECTRICAL CODE: 2011 NATIONAL ELECTRIC CODE
- MECHANICAL CODE: FLORIDA MECHANICAL CODE (5TH EDITION)
- NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2014 ED.
- NFPA 13R, STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS IN RESIDENTIAL OCCUPANCIES UP TO, AND INCLUDING FOUR STORIES IN HEIGHT, 2014 EDITION.
- NFPA 24, INSTALLATION OF PRIVATE SERVICE MAINS AND THEIR APPURTENANCES, 2014 EDITION
- NFPA 72, NATIONAL FIRE ALARM CODE, 2014 EDITION

BUILDING AREA MODIFICATION APARTMENTS

BUILDING TYPE I & II
(BUILDING AREA MODIFICATIONS PER SECTION 506)

AREA INCREASE: $A_a = [A_t + [A_t \times I_f] + [A_t \times I_s]]$
 $I_f = \left\{ \frac{F/P - 0.25}{W/30} \right\}$
 $= \left\{ \frac{700' - 10' / 700' - 10' - 0.25}{30' / 30'} \right\}$
 $= 0.75$
 $A_a = [12,000 + (12,000 \times 0.75) + (12,000 \times 0)]$
 $= 21,000$ SF PER STORY

**** BUILDING HEIGHT MODIFICATION APARTMENTS (R-2)**

FOR GROUP R BUILDINGS EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.2 (NFPA 13R), THE VALUE SPECIFIED IN TABLE 503 FOR MAXIMUM HEIGHT IS INCREASED BY 20 FEET (6096 MM) AND THE MAXIMUM NUMBER OF STORIES IS INCREASED BY ONE STORY, BUT SHALL NOT EXCEED FOUR STORIES OR 60 FEET (18 288 MM), RESPECTIVELY.

BALCONIES

1406.3 Balconies and similar projections.
Balconies and similar projections of combustible construction other than fire-retardant-treated wood shall be fire-resistance rated in accordance with Table 601 for floor construction or shall be of Type IV construction in accordance with Section 602.4. The aggregate length shall not exceed 50 percent of the buildings perimeter on each floor.

Exceptions:
3. Balconies and similar projections on buildings of Type III, IV and V construction shall be permitted to be of Type V construction, and shall not be required to have a fire-resistance rating where sprinkler protection is extended to these areas.
4. Where sprinkler protection is extended to the balcony areas, the aggregate length of the balcony on each floor shall not be limited.

GENERAL CODE PARAMETERS

DESCRIPTION	REQUIRED OR ALLOWABLE	THIS PROJECT	REFERENCE	REMARKS
WIND SPEED	130 MPH	130 MPH	SEC. 1609	ULTIMATE
CONVERSION	101 MPH		TABLE 1609.3.1	
SEISMIC ZONE	N/A	N/A	SEC. 1613	
SNOW LOAD	N/A	N/A	SEC. 1608	
FROST DEPTH	N/A	N/A	SEC 1805.2.1	

COMPONENTS AND CLADDING PRESSURES (NET, SEE PRESSURE ZONE DETAILS ON STRUCTURAL DRAWINGS)

BUILDING CODE PARAMETERS - [FBC 2014]

DESCRIPTION	REQUIRED (Table 503)	ALLOWABLE (w/ increases)	THIS PROJECT		REFERENCE (FBC)	REMARKS
			APARTMENT BUILDING TYPE I	APARTMENT BUILDING TYPE II		
CONSTRUCTION TYPE	TYPE V(A)		TYPE V(A)	TYPE V(A)	TABLE 503	
USE / OCCUPANCY			R-2	R-2	CH. 3 & 4	
FIRE RATING			1 HR	1 HR	TABLE 601	SEE TABLE
OCCUPANCY SEPARATION	1 HR	--	1 HR	1 HR	TABLE 508.4	SEE NOTE #1, #2, #5
SPRINKLER	YES	--	NFPA 13R	NFPA 13R	SEC 903	
LEVEL 1 (GROUND)	12,000 SF	21,000 SF	15,541 SF	14,728 SF	TABLE 503	SEE MODIFICATIONS
LEVEL 2	12,000 SF	21,000 SF	15,414 SF	14,621 SF	TABLE 503	SEE MODIFICATIONS
LEVEL 3	12,000 SF	21,000 SF	15,414 SF	14,621 SF	TABLE 503	SEE MODIFICATIONS
LEVEL 4	12,000 SF	21,000 SF	15,414 SF	14,621 SF	TABLE 503	SEE MODIFICATIONS
TOTAL GROSS AREA	48,000 SF	84,000 SF	61,783 SF	58,591 SF	TABLE 503	SEE MODIFICATIONS
MEZZ/LOFT INCL.	--	--	N/A	N/A	TABLE 503	
HEIGHT LIMIT (S)	3 STORIES	4 STORIES	4 STORIES	4 STORIES	TABLE 503	SEE MODIFICATIONS
HEIGHT LIMIT (FT)	50'-0"	70'-0"	51'-7"	51'-7"	TABLE 503	SEE MODIFICATIONS
MIN No. OF EXITS	2	--	2	2	TABLE 1021.1	SEE NOTE #3
MIN. HALLWAY WIDTH	44 INCHES	--	70 INCHES	70 INCHES	S. 1005.1 / 1018.2	
MIN. STAIR WIDTH	44 INCHES	--	44 INCHES	44 INCHES	S. 1005.1 / 1009.1	

NOTES:

- OCCUPANCY SEPARATION AT DWELLING UNITS PER SECTION 439 -> 709 (VERTICAL-WALLS) & 712 (HORIZONTAL-FLOORS) = 1 HR
- 712.4 CONTINUITY - ASSEMBLIES SHALL BE CONTINUOUS WITHOUT OPENINGS, PENETRATIONS OR JOINTS EXCEPT AS PERMITTED BY THIS SECTION AND SECTIONS 708.2, 713.4, 714 AND 1022.1
- TWO (2) STAIRS ARE PROVIDED IN 2-HR RATED EXIT ENCLOSURE.
- ALL UNITS EXIT INTO A 30 MIN. RATED EXIT ACCESS CORRIDOR PER 1018.1

EGRESS WIDTH	OCCUPANCY CLASSIFICATION	LOCATION	TOTAL OCCUPANTS (PER OCCUPANT LOAD CALC.)	EGRESS WIDTH PER PERSON SERVED (REQ'D.)	
				STAIRWAYS (IN PER OCCUPANT)	STAIRWAYS PROVIDED
	TYPE V(A)	BUILDING I	80/2 = 40 (WORST CASE)	0.3 (40 OCCUPANTS) = 12.0"	44.0"

ARCHITECTURAL ABBREVIATIONS

ABV	ABOVE FLOOR	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	VARIABLE
ACC.FL.	ACCESS FLOOR	BSMT.	BASEMENT	COORD.	COORDINATE	EA	EACH	FED.	FEDERAL	GR	GRADE	JAN.	JANITOR	M.C.	MECH.	O.C.	ON CENTER	Q.T.	QUARRY TILE	SHLT.	SHED	VAR.	VARIABLE
ACCOUST.	ACOUSTICAL	B.TWN	BETWEEN	CONT.	CONTINUOUS	EA	EACH	F.F.	FINISH FLOOR	GYP.	GYPSUM	J.F.	JOINT FILLER	M.E.M.B.	MEMBRANE	OD	OVERFLOW DRAIN	QTY.	QUANTITY	SIM.	SIMILAR	V.B.	VINYL BASE
ACT	ACOUSTICAL CEILING	B.U.	BUILT-UP	CPT.	CARPET	E.A.	EACH FACE	F.H.C.	FIRE HOSE CABINET	H	HOLLOW	JNT.	JOINT	M.M.	MEZZANINE	OH	OVERHEAD	R	RUBBER	SPEC.	SPECIFICATION	V.C.T.	VINYL COMPOSITION TILE
A.D.	AREA DRAIN	B.W.	BOTH WAYS	CMT.	CASEMENT	E.J.	EXPANSION JOINT	FIN.	FINISH	H.	HIGH	JST.	JOIST	M.F.T.R.	MANUFACTURER	OPNG.	OPENING	SR	SEMI RECESSED	VER.	VERIFY	V.F.	VERIFY IN FIELD
ADJ.	ADJACENT	C	CERAMIC	C.T.	CERAMIC TILE CENTER	E.I.F.S.	EXPANSION JOINT AND FINISH SYSTEM	F.L.	FLOW LINE	H.B.	HOSE BIBB	K	KITCHEN	MGR.	MANAGER	OPNG.	OPENING	S.S.	STAINLESS STEEL	VERT.	VERTICAL		
ADJUST.	ADJUSTABLE	C.B./TB.	CORKBOARD/TACKBOARD	CTR.	CENTER	E.L./ELEV.	ELEVATION	FLR.	FLOOR	H.C.	HANDICAPPED	KIT.	KITCHEN	M.H.	MANHOLE	OPNG.	OPENING	STD.	STANDARD	VER.	VERIFY		
ALT.	ALTERNATE	C.B.	CATCH BASIN	D	DEPTH	E.L.C.	ELECTRICAL	FLUOR.	FLUORESCENT	HD.	HEAD	L	LABORATORY	MISC.	MISCELLANEOUS	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL		
ALUM./AL.	ALUMINUM	C.B.M.	CEMENT	DBL.	DOUBLE	ELEV.	ELEVATOR	F.O.B.	FACE OF BRICK	HDW.	HARDWARE	M.LDG.	MOLDING	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL				
ANG.	ANGLE	CER.	CERAMIC	DEG.	DEGREE	EMER.	EMERGENCY	F.O.C.	FACE OF CONCRETE	HDWD.	HARDWOOD	M.LWK.	MILLWORK	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL				
ANOD.	ANODIZED	C.H.	CEILING HEIGHT	DET.	DETAIL	EMERGENCY	EMERGENCY	F.O.F.	FACE OF FINISH	H.M.	HOLLOW METAL	M.O.	MASONRY OPENING	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL				
APPROX.	APPROXIMATE	C.I.R.	CIRCLE	D.F.	DRINKING FOUNTAIN	ENCLOSURE	ENCLOSURE	F.O.S.	FACE OF STUD	HORIZ.	HORIZONTAL	M.R.	MOISTURE RESISTIVE	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL				
ARCH.	ARCHITECTURAL	C.J.	CONTROL JOINT	D.I.A.	DIAMETER	E.Q.	EQUAL	F.R.	FIRE RETARDANT	H.P.	HORSE POWER	M.R.B.	MARBLE	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL				
AUTO.	AUTOMATIC	C.J.G.	CONTROL JOINT	DIAG.	DIAGONAL	E.W.	EACH WAY	F.S.	FULL SIZE	HR	HOUR	M.T.	MARBLE THRESHOLD	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL				
Avg.	AVERAGE	CLG.	CEILING	DIFF.	DIFFUSER	E.W.C.	ELECTRIC WATER COOLER	FT.	FOOT OR FEET	HT.	HEIGHT	MTD.	MOUNTED	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL				
		CLGK.	CEILING	DISP.	DISPENSER	EXIST.	EXISTING	FTG.	FOOTING	HVAC	HEATING, VENTILATION AND AIR CONDITIONING	MTL.	METAL	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL				
		CLC.	CENTER LINE	DISP.	DISPOSAL	EXP. JT	EXPANSION JOINT	FURR.	FURRING	HOL.	HOLLOW	NULL	MULLION	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL				
		CLT.	CLOSET	DIV.	DIVIDER	EXT.	EXTENDED	FUT.	FUTURE	HOL.	HOLLOW	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL						
		CLR.	CLEAR	DN.	DOWN	EXTRU.	EXTRUDED	F.V.	FIELD VERIFY	I	INCHES	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL						
		CMU.	CONCRETE MASONRY UNIT	DR.	DOOR	F.A.	FIRE ALARM	GA.	GAUGE	IN.	INCHES	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL						
		BLD.	BLACK BOARD	DRAP.	DRAPERY	F.D.	FLOOR DRAIN	GALV.	GALVANIZED	INSUL.	INSULATION	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL						
		BLDGS.	BUILDING	DS.	DOWNSPOUT	F.D.C.	FIRE DEPARTMENT CONNECTION	G.B.	GRAB BAR	INT.	INTERIOR	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL						
		BLK/BLK'G	BLOCK OR BLOCKING	DTL.	DETAIL	F.D.C.	FIRE DEPARTMENT CONNECTION	G.C.	GENERAL CONTRACTOR	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL								
		BM.	BEAM	DWG.	DRAWING	FDN.	FOUNDATION	G.C.	GENERAL CONTRACTOR	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL								
		BOT.	BOTTOM	DWR.	DRAWER	F.F.	FIRE EXTINGUISHER	G.C.	GENERAL CONTRACTOR	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL								
		B.O.	BOTTOM OF	DW	DISH WASHER	F.F.	FIRE EXTINGUISHER	G.C.	GENERAL CONTRACTOR	OPNG.	OPENING	STD.	STANDARD	VERT.	VERTICAL								

FIRE-RESISTANCE RATING REQUIREMENTS (PER TABLE 601)

STRUCTURAL FRAME: INCLUDING COLUMNS, GIRDERS, TRUSSES	N/A		V(A)	
	REQ'D	PROV	REQ'D	PROV
BEARING WALLS: EXTERIOR (PER TABLE 601/602/704.10)	--	--	1	1
INTERIOR	--	--	1	1
NONBEARING WALLS AND PARTITIONS: EXTERIOR (PER TABLE 601/602)	--	--	0	0
INTERIOR (PER SECTION 601)	--	--	0	0
FLOOR CONSTRUCTION NOT INCLUDING SUPPORTING BEAMS AND JOISTS PER EXCEPTION 2 OF 7.12.4	--	--	1	1
ROOF CONSTRUCTION	--	--	1	1
SEPARATION DISTANCE (PER TABLE 602) ≥ 30'	--	--	0	0

INTERIOR FINISH CLASSIFICATION

PER FBC 2010 SECTION 903.1.1 & TABLE 903.3, ALL ROOMS AND ENCLOSED SPACES SHALL BE OF A CLASS C FINISH.

PER NFPA 101 SECTION 10.2, TABLE 10.2.2, ALL NEW APARTMENT EXIT ACCESS CORRIDORS ARE FINISH CLASS C AND ALL EXITS ARE FINISH CLASS C. ALL FLOOR FINISH AS SCHEDULED TO BE PER SECTION 804.

ALL INTERIOR FINISHES SHALL ALSO COMPLY WITH FBC 2010 SECTION 1210.1.

MAXIMUM AREA OF EXTERIOR WALL OPENINGS:

ASSUMED PROPERTY LINE DISTANCE:	NORTH	30'-0"
	EAST	30'-0"
	SOUTH	30'-0"
	WEST	30'-0"
	ALLOWABLE	ACTUAL (WORST CASE)

UNPROTECTED, NONSPRINKLERED (UP, NS)

0 FT TO 3 FT	NP	NA
OVER 3 FT TO 5 FT	NP	NA
OVER 5 FT TO 10 FT	10%	NA
OVER 10 FT TO 15 FT	15%	NA
OVER 15 FT TO 20 FT	25%	NA
OVER 20 FT TO 25 FT	45%	NA
OVER 25 FT TO 30 FT	70%	NA
OVER 30 FT	NL	NL

FROM ASSUMED PROPERTY LINE

UNPROTECTED, SPRINKLERED (UP, S) / PROTECTED (P)

0 FT TO 3 FT	NP	NP
OVER 3 FT TO 5 FT	15%	--
OVER 5 FT TO 10 FT	25%	--
OVER 10 FT TO 15 FT	45%	--
OVER 15 FT TO 20 FT	75%	--
OVER 20 FT TO 25 FT	NL	NL
OVER 25 FT TO 30 FT	NL	NL
OVER 30 FT	NL	NL

FROM ASSUMED PROPERTY LINE

BLOWER DOOR TEST

PERFORM MANDATORY ENVELOPE LEAK TESTING PER THE 2014 FLORIDA ENERGY CONSERVATION CODE PARAGRAPH R402.4.1.2.

SPECIFICALLY, THE BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE NOT EXCEEDING 7 AIR CHANGES PER HOUR AT 2" WC.

PROVIDE A WRITTEN REPORT OF THE TEST RESULTS SIGNED BY THE CONDUCTING PARTY TO THE CODE OFFICIAL.

SEE R402.4.1.2 FOR MORE TECHNICAL SPECIFICS.

WHERE REQUIRED BY THE CODE OFFICIAL, TESTING SHALL BE CONDUCTED BY AN APPROVED THIRD PARTY.

PERFORM TESTING AT ANY TIME AFTER CREATION OF ALL PENETRATIONS OF THE BUILDING ENVELOPE.

THE GENERAL CONTRACTOR AND SUB-CONTRACTORS ARE RESPONSIBLE FOR OBTAINING PASSING RESULTS AT NO ADDITIONAL COST TO THE OWNER.

MEANS OF EGRESS - [FBC TABLE 1016.2]

OCCUPANCY CLASSIFICATION	LOCATION	MAX. EXIT ACCESS TRAVEL DISTANCE (ALLOWABLE)		MAX. TRAVEL DISTANCE (ACTUAL)	REMARKS
		UNSPRINK.	SPRINK.		
R-2	BUILDING I	200'	250'	78'-11"	
R-2	BUILDING II	200'	250'	72'-10"	

OCCUPANT LOAD TABLE 1004.1.2

SPACE NAME	FUNCTION OF SPACE	FLOOR AREA	AREA PER OCCUPANT	OCCUPANT PER UNIT
UNIT A1	RESIDENTIAL	810 SF	200 GROSS	5(2) = 10
UNIT A1-S	RESIDENTIAL	810 SF	200 GROSS	5(4) = 20
UNIT B1	RESIDENTIAL	1,410 SF	200 GROSS	8(4) = 32
UNIT C1	RESIDENTIAL	1,398 SF	200 GROSS	7(2) = 14
UNIT S1	RESIDENTIAL	614 SF	200 GROSS	4(1) = 4
TOTAL				80

OCCUPANT LOAD TABLE 1004.1.2

SPACE NAME	FUNCTION OF SPACE	FLOOR AREA	AREA PER OCCUPANT	OCCUPANT PER UNIT
UNIT A1	RESIDENTIAL	810 SF	200 GROSS	5(2) = 10
UNIT A1-S	RESIDENTIAL	810 SF	200 GROSS	5(3) = 15
UNIT B1	RESIDENTIAL	1,410 SF	200 GROSS	8(4) = 32
UNIT B2	RESIDENTIAL	1,095 SF	200 GROSS	6(1) = 6
UNIT C1-S	RESIDENTIAL	1,095 SF	200 GROSS	6(1) = 6
UNIT C1	RESIDENTIAL	1,398 SF	200 GROSS	7(1) = 7
TOTAL				76

ENERGY CONSERVATION REQUIREMENTS

2014 F.B.C. - ENERGY CONSERVATION CHAPTER 402.4

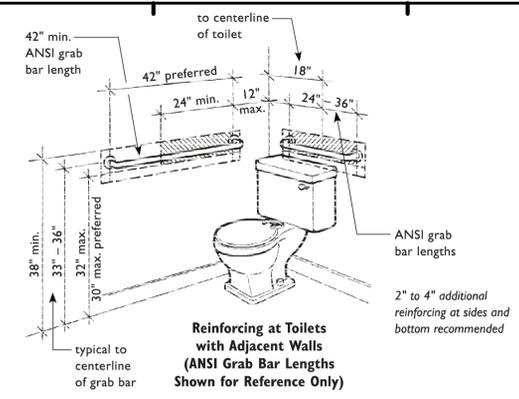
THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED TO LIMIT INFILTRATION. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION.

THE FOLLOWING SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL, SUITABLE FILM OR SOLID MATERIAL:

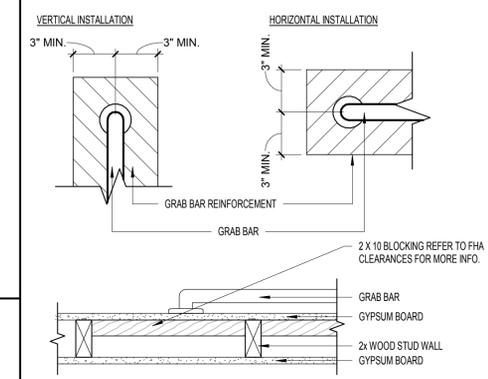
- ALL JOINTS, SEAMS AND PENETRATIONS
- SITE-BUILT WINDOWS, DOORS AND SKYLIGHTS
- OPENINGS BETWEEN WINDOWS AND DOOR ASSEMBLIES AND THEIR RESPECTIVE JAMBS AND FRAMING.
- UTILITY PENETRATIONS.
- DROPPED CEILING OR CHASES ADJACENT TO THE THERMAL ENVELOPE.
- KNEE WALLS.
- WALLS AND CEILINGS SEPARATING A GARAGE FROM CONDITIONED SPACES.
- BEHIND TUBS AND SHOWERS ON EXTERIOR WALLS
- COMMON WALLS BETWEEN DWELLING UNITS.
- ATTIC ACCESS OPENINGS.
- RIM JOIST JUNCTIONS.
- OTHER SOURCES OF INFILTRATION.

FAIR HOUSING ACCESSIBILITY GUIDELINES REQUIREMENT SUMMARY

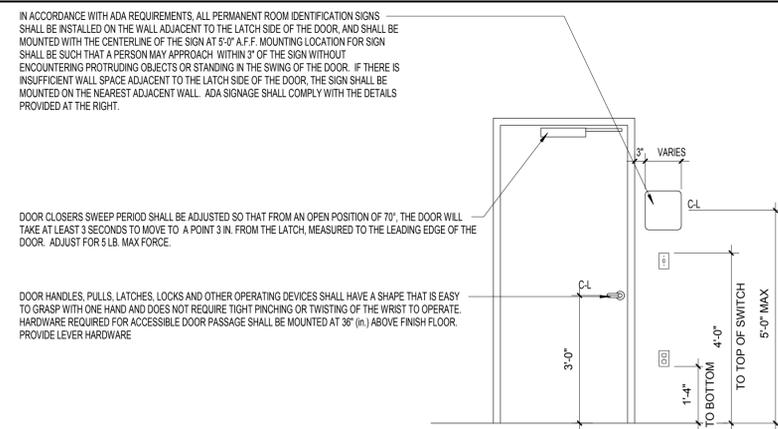
REQUIREMENT 1	ACCESSIBLE BUILDING ENTRANCE ON A ACCESSIBLE ROUTE
REQUIREMENT 2	ACCESSIBLE AND USABLE PUBLIC AND COMMON USE AREAS
REQUIREMENT 3	USEABLE DOORS
REQUIREMENT 4	ACCESSIBLE ROUTE INTO AND THROUGH THE COVERED DWELLING UNIT
REQUIREMENT 5	LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS, AND OTHER ENVIRONMENTAL CONTROLS IN ACCESSIBLE LOCATIONS
REQUIREMENT 6	REINFORCED WALLS FOR GR



B8 GRAB BAR REINFORCING @ TOILETS1
NTS



G8 BLOCKING FOR GRAB BAR DETAIL1
1 1/2" = 1'-0"



H1 MOUNTING HEIGHTS & IDENTIFICATION SIGN
1/2" = 1'-0"

IN ACCORDANCE WITH ADA REQUIREMENTS, ALL PERMANENT ROOM IDENTIFICATION SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR, AND SHALL BE MOUNTED WITH THE CENTERLINE OF THE SIGN AT 5'-0" A.F.F. MOUNTING LOCATION FOR SIGN SHALL BE SUCH THAT A PERSON MAY APPROACH WITHIN 3" OF THE SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING IN THE SWING OF THE DOOR. IF THERE IS INSUFFICIENT WALL SPACE ADJACENT TO THE LATCH SIDE OF THE DOOR, THE SIGN SHALL BE MOUNTED ON THE NEAREST ADJACENT WALL. ADA SIGNAGE SHALL COMPLY WITH THE DETAILS PROVIDED AT THE RIGHT.

DOOR CLOSERS SWEEP PERIOD SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70°, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 IN. FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR. ADJUST FOR 5 LB. MAX FORCE.

DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED AT 36" (in.) ABOVE FINISH FLOOR. PROVIDE LEVER HARDWARE.

ALL PERMANENT ROOM IDENTIFICATION SIGNS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. SIGNS SHALL BE ADHERED TO SUPPORTING SURFACE BY ADHESIVE. SELECTED FOR HIGH STRENGTH AND DURABILITY OF BOND BETWEEN SIGN BACKING AND SUPPORTING SURFACE MATERIAL. SIGN BACKGROUND SHALL BE MINIMUM 1/8" THICK ACRYLIC PLATE. BACKGROUND COLOR SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD AND CUSTOM COLORS, AND SHALL PROVIDE AT LEAST 70% CONTRAST WITH WHITE FOREGROUND LETTERS. BACKGROUND FINISH SHALL BE NON-GLARE.

ACRYLIC LETTERING SHALL BE RAISED AT LEAST 1/32", AND MAY BE ACHIEVED THROUGH SURFACE APPLICATION, ETCHING OR INJECTION MOLDING. ALL LETTERS SHALL BE UPPER CASE. LETTER SIZE SHALL BE AS INDICATED, BUT IN NO CASE LESS THAN 5/8" HIGH OR GREATER THAN 2" HIGH. TYPE STYLE SHALL BE HELVETICA MEDIUM, AND COLOR SHALL BE NON-GLARE WHITE. WHERE MORE THAN ONE ROW OF LETTERING IS REQUIRED, THE LEADING (BLANK SPACE) BETWEEN ROWS SHALL BE APPROXIMATELY 80% OF THE HEIGHT OF THE LETTERING. GRADE 2 BRAILLE REQUIRED. COLOR TO BE SAME AS SIGN BACKGROUND.

INTERNATIONAL PICTOGRAM SYMBOLS, WHERE REQUIRED, SHALL BE RAISED AT LEAST 1/32" (SIMILAR TO LETTERS), AND SHALL HAVE A MINIMUM 6" HIGH VERTICAL FIELD. THE EQUIVALENT VERBAL DESCRIPTION (TEXT) OF THE PICTOGRAM SHALL BE PLACED DIRECTLY BELOW THE PICTOGRAM, AND SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE. PICTOGRAMS SHALL BE REQUIRED FOR THE FOLLOWING ROOM SIGNS: MEN (MALE ACCESSIBLE RESTROOM) WOMEN (FEMALE ACCESSIBLE RESTROOM)

PERMIT REVIEW STAMP

ISSUE HISTORY		
No.	Date	Description
1	7/21/2017	50% DESIGN DEVELOPMENT SET
2	11/10/2017	75%-90% REVIEW COORD. SET
3	12/20/2017	100% PERMIT SET

REVISION HISTORY		
No.	Date	Description

FUGLEBERG KOCH
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CONSULTANT

MICHAEL E. GOVE
FLORIDA LICENSE # ARS4111

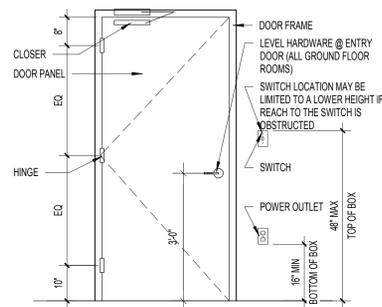
SUMMER BAY APTS. II
LAKE COUNTY, FL

Drawn:	Author
Checked:	Checker
Approved:	Approver
Date:	Issue Date
Project #:	5389

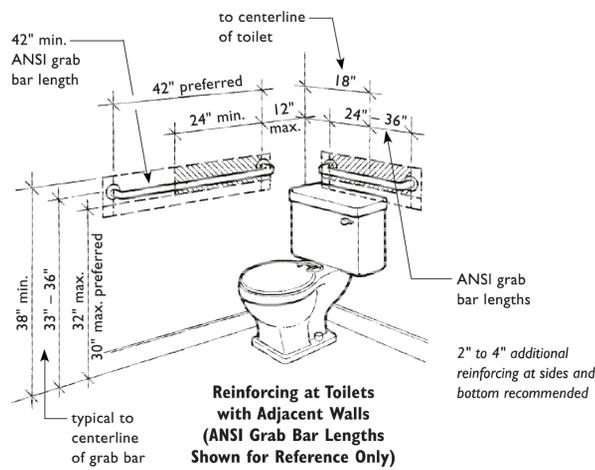
ACCESSIBLE DETAILS

A0.04

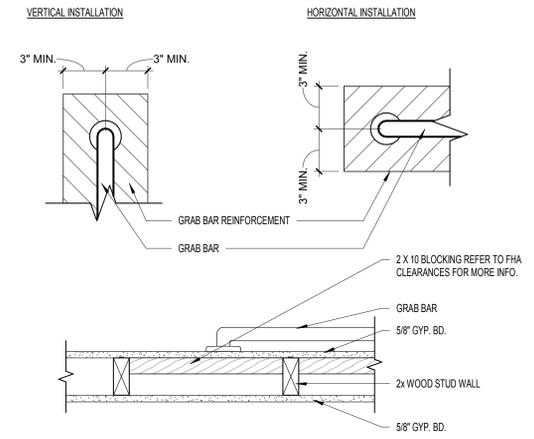
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C1 TYPICAL MOUNTING HEIGHTS
1/2" = 1'-0"



C4 GRAB BAR REINFORCING @ TOILETS
NTS



C7 BLOCKING FOR GRAB BAR DETAIL
1/2" = 1'-0"

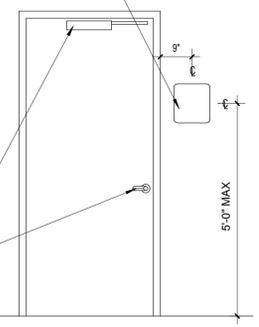
IN ACCORDANCE WITH ADA REQUIREMENTS, ALL PERMANENT ROOM IDENTIFICATION SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR, AND SHALL BE MOUNTED WITH TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48\"/>

MOUNTING LOCATION FOR SIGN SHALL BE SUCH THAT A PERSON MAY APPROACH WITHIN 3\"/>

TACTILE SIGNS AT DOORS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18\"/>

DOOR CLOSERS SWEEP PERIOD SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70\",/>

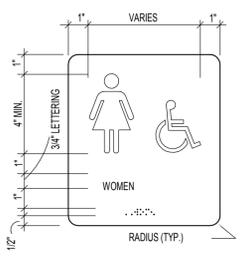
DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.



ALL PERMANENT ROOM IDENTIFICATION SIGNS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. SIGNS SHALL BE ADHERED TO SUPPORTING SURFACE BY ADHESIVE, SELECTED FOR HIGH STRENGTH AND DURABILITY OF BOND BETWEEN SIGN BACKING AND SUPPORTING SURFACE MATERIAL. SIGN BACKGROUND SHALL BE MINIMUM 1/8\"/>

ACRYLIC LETTERING SHALL BE RAISED AT LEAST 1/32\",/>

INTERNATIONAL PICTOGRAM SYMBOLS, WHERE REQUIRED, SHALL BE RAISED AT LEAST 1/32\"/>



H1 PERMANENT IDENTIFICATION SIGN
1/2" = 1'-0"

ISSUE HISTORY		
No.	Date	Description
1	7/21/2017	50% DESIGN DEVELOPMENT SET
2	11/10/2017	75%-90% REVIEW COORD. SET
3	12/20/2017	100% PERMIT SET

REVISION HISTORY		
No.	Date	Description


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

CONSULTANT

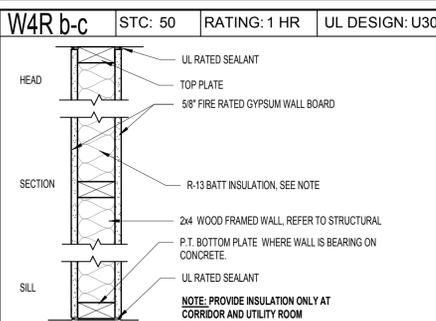
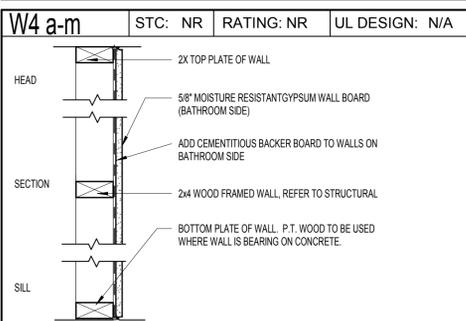
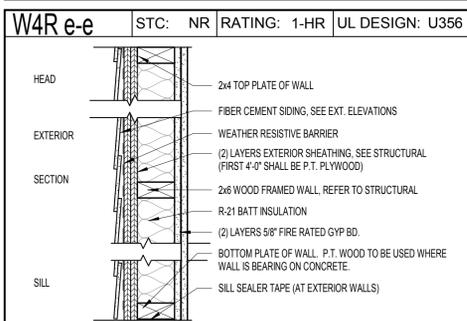
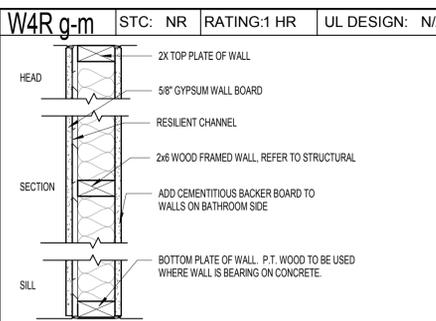
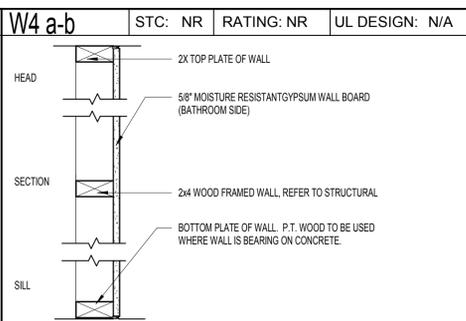
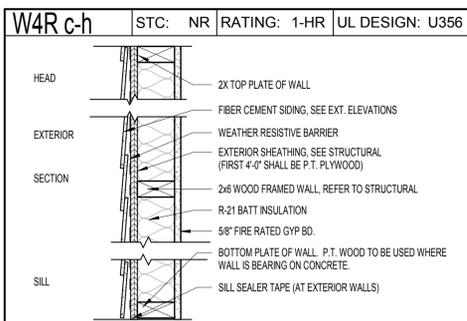
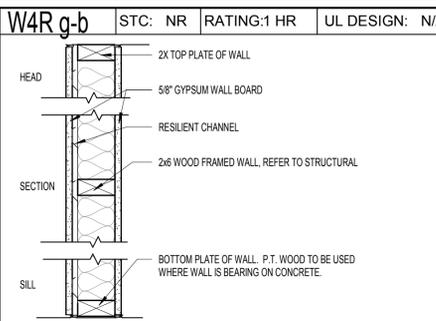
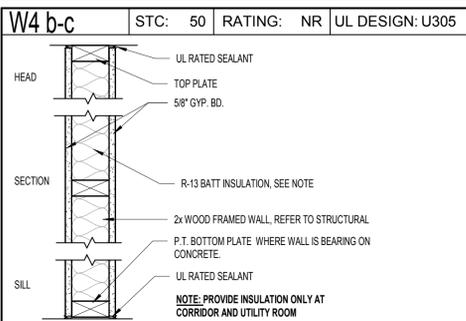
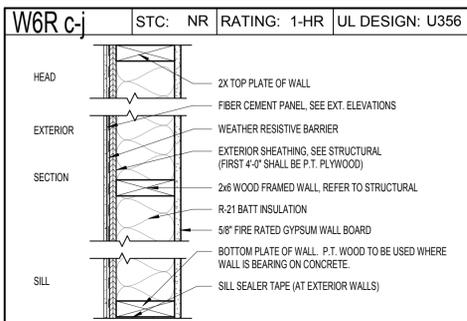
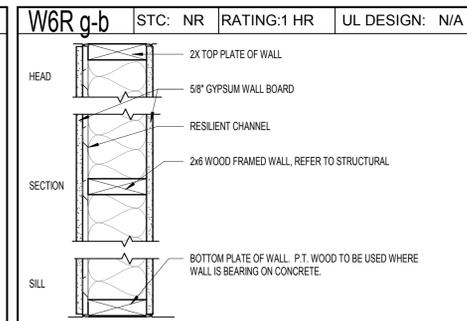
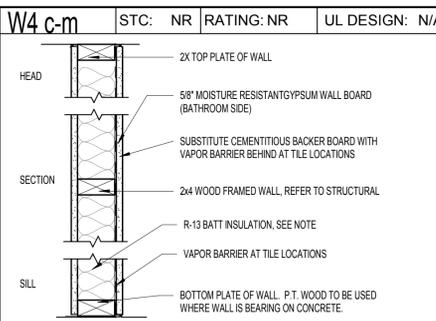
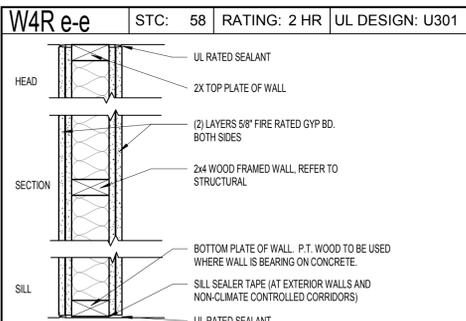
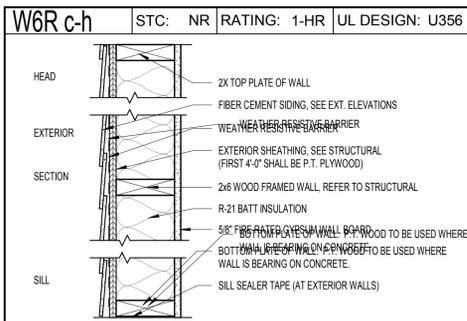
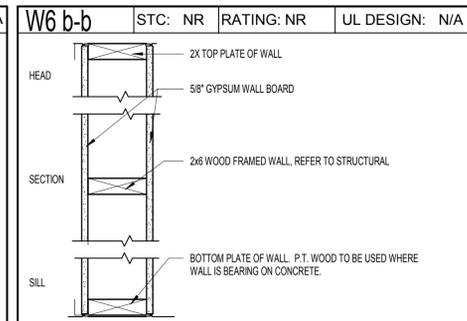
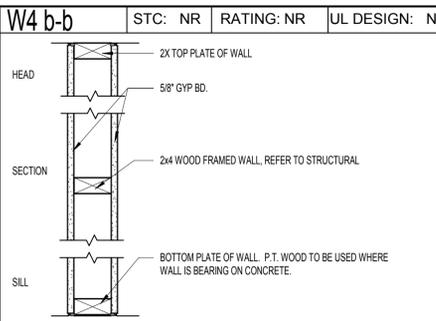
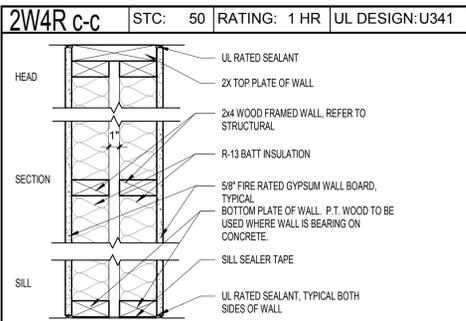
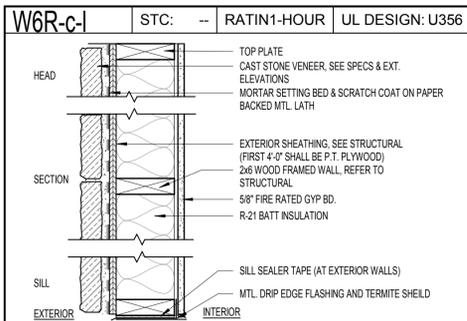
MICHAEL E. GOVE
FLORIDA LICENSE # AR84111

Drawn:	Author
Checked:	Checker
Approved:	Approver
Date:	Issue Date
Project #:	5389

ACCESSIBLE DETAILS

A0.05

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PARTITION LEGEND:

- CONCRETE**
 C8 = 6" CONCRETE
 C6 = 6" CONCRETE
 C5 = 5" CONCRETE
 C4 = 4" CONCRETE
- EXISTING PARTITION**
 E = EXISTING PARTITION.
 USE MODIFIER FOR FURRING OVER EXISTING WALL
- FURRING**
 F2 = 1-1/2" FURRING
 F4 = 3-1/2" FURRING
 F6 = 5-1/2" FURRING
- MASONRY**
 M12 = 12" CMU
 M10 = 10" CMU
 M8 = 8" CMU
 M4 = 4" CMU
- PATCHING OR INFILL**
 P = PATCHING OF WALL (OR INFILL) TO MATCH ADJACENT CONSTRUCTION IN EXISTING WALL
- SHAFT WALL**
 H4 = 4" C-H STUDS
 H2 = 2-1/2" C-H STUDS
- STEEL STUD**
 S3 = 6" METAL STUDS
 S4 = 3-5/8" METAL STUDS
 S2 = 2-1/2" METAL STUDS
 S1 = 1-5/8" METAL STUDS
- WOOD STUD**
 W8 = 1-1/2" X 7-1/4" WOOD STUDS
 W6 = 1-1/2" X 5-1/2" WOOD STUDS
 W4 = 1-1/2" X 3-1/2" WOOD STUDS
- OTHER**
 R = INDICATES RATED ASSEMBLY

- 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. FIBER CEMENT LAP SIDING, BUILDING WRAP, SHEATHING
 - i. NOT USED
 - j. FIBER CEMENT PANEL SIDING, PLASTIC SHIMS, BUILDING WRAP, SHEATHING
 - k. STONE VENEER
 - l. STONE VENEER, LATH, BUILDING PAPER, BUILDING WRAP, 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. MASONRY
 - v. (1) LAYER M.R. SHEATHING

PERMIT REVIEW STAMP

ISSUE HISTORY		
No.	Date	Description
1	7/21/2017	50% DESIGN DEVELOPMENT SET
2	11/10/2017	75%-90% REVIEW COORD. SET
3	12/20/2017	100% PERMIT SET

REVISION HISTORY		
No.	Date	Description

FUGLEBERG KOCH

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

CONSULTANT

MICHAEL E. GOVE
FLORIDA LICENSE # AR84111

SUMMER BAY APTS. II LAKE COUNTY, FL	Drawn: Author
	Checked: Checker
	Approval: Approver
	Date: Issue Date
Project #: 5389	
PARTITION TYPES	
A0.20	

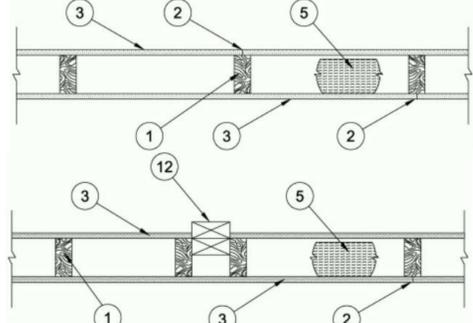
Design No. U305

Bearing Wall Rating — 1 Hr

Finish Rating — See Items 3, 3A, 3D, 3E, 3F, 3G, 3H, 3J and 3L. STC Rating - 56 (See Item 9)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide B3U or B3UV.

*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



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

- 3B. Gypsum Board — (As an alternate to Item 3) — Nom 3/4 in. thick, installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-3/8 in. long Type V coarse thread gypsum panel steel screws as described in Item 3A.
CGC INC — Types AR, IP-AR.
UNITED STATES GYPSUM CO — Types AR, IP-AR.
USG MEXICO S A DE C V — Types AR, IP-AR.

- 5E. Batts and Blankets — (Required for use with Wall and Partition Facings and Accessories, Item 3D) — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 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.
14C. Batts and Blankets — (As an alternate to Item 14B, For use with Item 14A, 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 3-1/2 in. face of the studs with staples placed 24 in. OC.
14D. Adhesive — (For use with Item 14A) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 14A).

- 14E. Gypsum Board — (For use with Item 14A) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 14A) with vertical joints located anywhere over stud cavities.
2C. Gypsum Board — (As an alternate to Item 2, not shown) — 5/8 in. thick gypsum panels applied horizontally or vertically 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.
2D. Gypsum Board — (As an alternate to Items 2, 2A, 2B and 2C) — 5/8 in. thick gypsum panels, 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 2 screws 1 and 4 in. from edge of board or nailed as described in Item 2.
2E. Gypsum Board — (As an alternate to Items 2 through 2D) — 5/8 in. thick, 4 ft wide, paper surfaced applied vertically only and secured as described in Item 2.

- 2F. Gypsum Board — (As an alternate to Items 2 through 2E) — Installed as described in Item 2, 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.
2G. Gypsum Board — (As an alternate to Items 2 through 2F) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 2.
2H. Gypsum Board — (As an alternate to Items 2 through 2G) — Installed as described in Item 2, 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.
2I. Gypsum Board — (As an alternate to 5/8 in. Type FSW in Item 2) — 2 layers nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal joints on the same side need not be staggered. Inner layer attached with fasteners as described in Item 2, spaced 24 in. OC, along edges of each vertical joint and 12 in. OC. Outer layer attached per Item 2.
3. Joints and Nailheads — Gypsum board joints of outer layer covered with tape and joint compound. Nail heads of outer layer covered with joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with joints reinforced with paper tape.

- 4. Sheathing — (Optional) — Septum may be sheathed with min 7/16 in. thick wood structural panels min grade "C-D" or "D" and min 1/2 in. thick Mineral and Fiber Boards.
5. Batts and Blankets — 3-1/2 in. max thickness glass or mineral fiber batt insulation.
5A. Fiber, Sprayed — 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.
5B. Fiber, Sprayed — As an alternate to Batts and Blankets (Item 5) and Item 5A when Sheathing (Item 4) is used on both halves of wall — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product.
5C. Batts and Blankets — (Required for use with Wall and Partition Facings and Accessories, Item 2A, Use of Sheathing, Item 4, does not nullify requirement of Item 5C for use with Item 2A) — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 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.
5D. Fiber, Sprayed — As an alternate to Batts and Blankets (Item 5) and Item 5A when Sheathing (Item 4) is used on both halves of wall — 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.
6A. Steel Framing Members (Optional, Not Shown) — Furring channels and Steel Framing Members as described below.
6B. Steel Framing Members — Used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center groove.
6C. Caulking and Sealants — (not shown, optional) A bead of acoustical sealant applied around the partition perimeter for sound control.



SUMMER BAY APTS. II LAKE COUNTY, FL

UL REFERENCE DIRECTORY - WALL SYSTEMS

A0.30

Last Updated on 2014-09-23

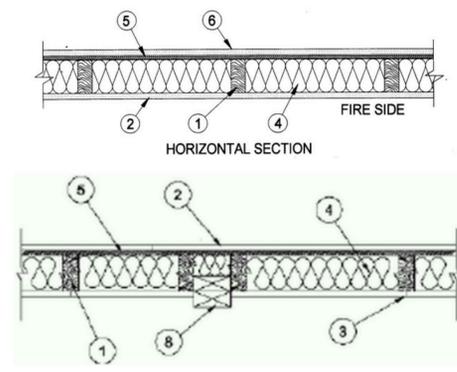
**NOTE: PROVIDE FIRE BLOCKING @ 10'-0" INTERVALS PER FBC 717

Design No. U356

June 27, 2014

(Exposed to Fire on Interior Face Only)
Bearing Wall Rating — 1 Hr
Finish Rating — 23 Min or 25 Min (See Item 2C)

When used in Canada it is required that all materials included within the UL design are also UL certified.



- 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.
2. Gypsum Board — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos.
3. Joints and Nailheads — (Not Shown) — Wallboard joints covered with tape and joint compound.
4. Batts and Blankets — Mineral fiber or glass fiber insulation, 3-1/2 in. thick, pressure fit to fill wall cavities...

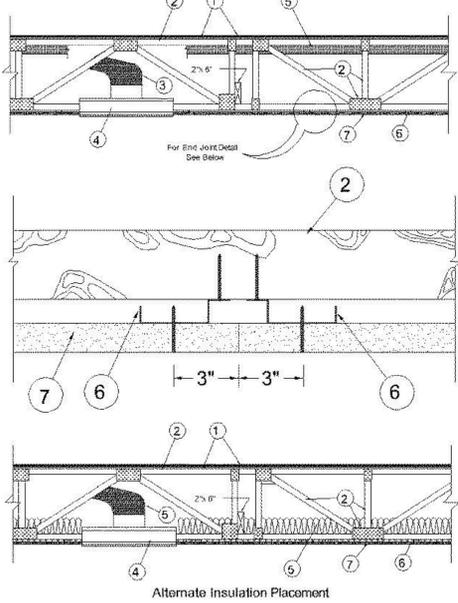
Design No. L574

December 10, 2012

Unrestrained Assembly Rating — 1 Hr.

Finish Rating — 24 or 25 Min (See Items 5, 5A and 5B)

Load Restricted for Canadian Applications — See Guide BUW7



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

- System No. 1
Subflooring — Min 23/32 in. thick plywood with T & G edges along the 8 ft sides and exterior glue or nonveneer APA Sturd-Floor T & G panels per APA specifications PRP 108.
System No. 2
Subflooring — Min 23/32 in. thick T & G wood structural panels installed perpendicular to trusses with joints staggered 4 ft.
System No. 3
Subflooring — Min 23/32 in. thick T & G wood structural panels installed perpendicular to trusses with joints staggered 4 ft.
System No. 4
Subflooring — Min 23/32 in. thick plywood with T & G edges along the 8 ft sides and exterior glue or nonveneer APA Sturd-Floor T & G panels per APA specifications PRP 108.

System No. 4

- Subflooring — Min 23/32 in. thick plywood with T & G edges along the 8 ft sides and exterior glue or nonveneer APA Sturd-Floor T & G panels per APA specifications PRP 108.
Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.
Floor Mat Materials* — (Optional) — Min 3/8 in. in. thick floor mat material loose laid over the subfloor.
UNITED STATES GYPSUM CO — LEVELROCK® Brand Sound Reduction Board
Alternate Floor Mat Materials* — (Optional) — Nom 1/4 in. thick floor mat material loose laid over the subfloor.

System No. 5

- Subflooring — Min 23/32 in. thick plywood with T & G edges along the 8 ft sides and exterior glue or nonveneer APA Sturd-Floor T & G panels per APA specifications PRP 108.
Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.
Floor Mat Materials* — (Optional) — Min 3/8 in. in. thick floor mat material loose laid over the subfloor.
UNITED STATES GYPSUM CO — LEVELROCK® Brand Sound Reduction Board
Alternate Floor Mat Materials* — (Optional) — Nom 1/4 in. thick floor mat material loose laid over the subfloor.

System No. 6

- Subflooring — Min 3/4 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor".
Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi.
ALLIED CUSTOM GYPSUM PLASTERWORKS L L C — Accu-Crete and Accu-Radiant, AccuLevel G40 and AccuLevel S300.

System No. 7

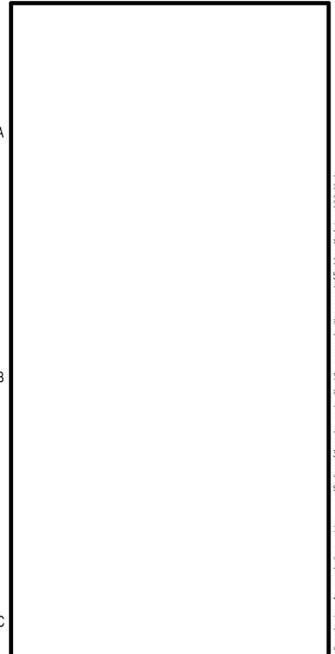
- Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing".
Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi.
ALLIED CUSTOM GYPSUM PLASTERWORKS L L C — Accu-Crete and Accu-Radiant, AccuLevel G40 and AccuLevel S300.

System No. 8

- Min 23/32 in. thick plywood with T & G edges along the 8 ft sides and exterior glue or nonveneer APA Sturd-Floor T & G panels per APA specifications PRP 108.
Metal Lath (Optional) — For use with 3/8 in. or 10 mm floor mat materials, 3/8 in. expanded steel diamond mesh, 3/4 lbs/sq yd placed over the floor mat material.
Floor Mat Materials* — (Optional) — Nom 6 mm thick floor mat material adhered to subfloor with Hacker Floor Primer.

- 4. Ceiling Damper* — Nom 20 in. long by 18 in. wide by 2-1/8 in. high, fabricated from galvanized steel.
NAILOR INDUSTRIES INC — Types 0755, 0756A, 0756B, 0757, 0757D, 0757FP, 0757DFP, 0758, 0759, 0760, 0761, 0762, CRD5, CRD5D, CRD6, CRD6D, CRD6FP, CRD6DFP
4A. Alternate Ceiling Damper* — Max plenum box size 19 in. long by 15 in. wide and 11-7/8 in. high fabricated from galv steel.
AIRE TECHNOLOGIES INC — Models: CRD model 50 w/Boot, CRD model 50EA w/Boot, CRD model 55 w/Boot, CRD model 55EA w/Boot.
LLOYD INDUSTRIES INC — Model CRD 50-BT, CRD 50-EA-BT, CRD 55-BT, CRD 55-EA-BT
4C. Alternate Ceiling Damper* — Max plenum box size 13 in. long by 13 in. wide and 11-7/8 in. high fabricated from galv steel.

- 4D. Alternate Ceiling Damper* — Max size ceiling outlet in plenum box nom 12 in. long by 12 in. wide.
4E. Alternate Ceiling Damper* — Max size ceiling outlet in plenum box nom 16 in. long by 16 in. wide.
4F. Alternate Ceiling Damper* — Max plenum box size nom 15 in. long by 15 in. wide and 11-7/8 in. high fabricated from galv steel.
4G. Alternate Ceiling Damper* — Max size ceiling outlet in plenum box nom 10 in. long by 10 in. wide.
4H. Alternate Ceiling Damper* — Max plenum box size nom 19 in. long by 15 in. wide and 11-7/8 in. high fabricated from galv steel.
4I. Alternate Ceiling Damper* — Max plenum box size shall be 324 sq in. Max square size shall be 18 in. by 18 in.
4J. Alternate Ceiling Damper* — Max plenum box size shall be 196 sq in. with a max width of 26 in. Max height of damper shall be 7 in.
4K. Alternate Ceiling Damper* — Max nom area shall be 324 sq in. Max square size shall be 18 in. by 18 in.
4L. Alternate Ceiling Damper* — Max nom area shall be 196 sq in. with a max width of 26 in. Max height of damper shall be 7 in.
5. Batts and Blankets* — (Optional) — When truss depth is 18 in. or greater, insulation is optional.
6. Resilient Channels* — Resilient channels formed of 25 MSG galv steel, spaced 16 in. OC perpendicular to trusses.



PERMIT REVIEW STAMP table with columns for No., Date, and Description.

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

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

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

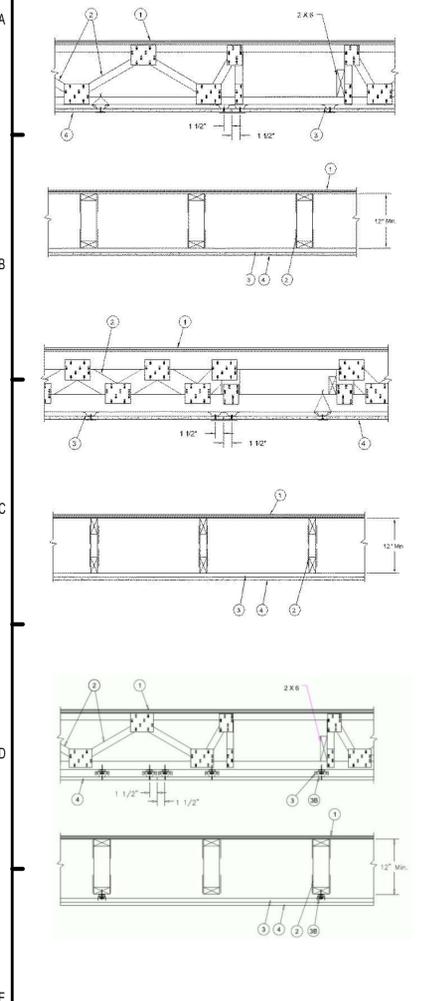
CONSULTANT table with columns for Name, Title, and Date.

SUMMER BAY APTS. II LAKE COUNTY, FL UL REFERENCE DIRECTORY - WALL / FLOOR SYSTEMS A0.32

H5 UL U356 NTS

H9 UL L574 NTS

Design No. L574
August 01, 2014
Unrestrained Assembly Rating - 1 Hr.
Finish Rating - 22 Min.



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

- System No. 1**
Subflooring — Min 23/32 in. thick T & G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with end joints staggered 4 ft. Panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.
- System No. 2**
Subflooring — Min 23/32 in. thick T & G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with end joints staggered 4 ft. Panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.
- System No. 3**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
Floor Mat Materials* — (Optional) - Floor mat material nominal 5/64 in. (2mm) thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1 in. of floor-topping mixture.
HACKER INDUSTRIES INC — Type Hacker Sound-Mat.
Alternate Floor Mat Materials* (Optional) — Floor mat material nominal 1/4 in. (6mm) thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1-1/4 in. (32mm) of floor-topping mixture.
HACKER INDUSTRIES INC — Type Hacker Sound-Mat II.
Alternate Floor Mat Materials* (Optional) — Floor mat material nominal 1/8 in. (3mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 3/4 in. (19mm)
HACKER INDUSTRIES INC — FIRM-FILL SCM 125
Alternate Floor Mat Materials* (Optional) — Floor mat material nominal 1/4 in. (6mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 in. (25mm)
HACKER INDUSTRIES INC — Type FIRM-FILL SCM 250, Quiet Qurl 55/025
Alternate Floor Mat Materials* (Optional) — Floor mat material nominal 3/8 in. (10mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/4 in. (32mm)
HACKER INDUSTRIES INC — FIRM-FILL SCM 400, Quiet Qurl 60/040
Alternate Floor Mat Materials* (Optional) — Floor mat material nominal 3/4 in. (19mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/2 in. (38mm)
HACKER INDUSTRIES INC — Type FIRM-FILL SCM 750, Quiet Qurl 65/075
Metal Lath (Optional) — For use with 3/8 in. (10 mm) floor mat materials, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Hacker Floor Primer to be applied prior to the placement of the metal lath. When metal lath is used, floor topping thickness a nom 1-1/4 in. over the floor mat.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1100 psi. Mixture shall consist of 6.8 gal of water to 80 lbs of floor topping mixture to 1.9 cu ft of sand.
HACKER INDUSTRIES INC — Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 3310, Firm-Fill 4010, Firm-Fill High Strength, Gyp-Span Radiant

- System No. 4**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.010 in. thick.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO — Types LRK, HSLRK, CSD
Floor Mat Materials* — (Optional) - Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.
UNITED STATES GYPSUM CO — Types SAM, LEVELROCK® Brand Sound Reduction Board, LEVELROCK® Brand Floor Underlayment SRM-25
Alternate Floor Mat Materials* — (Optional) - Nom 3/8 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture.
GRASSWOOL L L C — Type G520
Alternate Floor Mat Material* — (Optional) - Floor mat material nominal 3/8 in. thick loose laid over the subfloor. Floor topping shall be a min 3/4 in. thick.
OWENS CORNING — Type QuietZone Acoustical Floor Mat
- System No. 5**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier-(Optional) — Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.4 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal of water.
ELASTIZEL CORP OF AMERICA — Type FF
- System No. 6**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier-(Optional) — Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.2 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal of water.
AERIX INDUSTRIES — Floor Topping Mixture
- System No. 7**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* — Min 1 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.4 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 62.5 lbs of Pea Gravel, 312.5 lbs of sand with 5-1/2 gal of water.
LITE-CRETE INC — Type I
- System No. 8**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Floor Mat Materials* — (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. When floor mat material is used, min thickness of floor topping thickness is 1 in. Floor topping thickness a min 3/4 in. over Acousti-Mat I floor mat.
MAXXON CORP — Type Acousti-Mat I, Acousti-Mat II, Acousti-Mat II HP.
Alternate Floor Mat Materials* — (Optional) - Nom 0.8 in. thick floor mat material loose laid over the subfloor with Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping thickness shall be min 1-1/2 in.
MAXXON CORP — Type Acousti-Mat 3, Acousti-Mat 3 HP, Crack Suppression Mat (CSM)
Metal Lath (Alternate to Crack Suppression Mat (CSM)) - 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material. Floor topping thickness shall be min 1-1/2 in.
Fiber Glass Mesh Reinforcement — (Optional) - Maxxon Corp's "Maxxon Reinforcement (MR)" for use with or as an alternate to CSM or metal lath reinforcement, the materials consists of a plastic coated non-woven fiber glass mesh grid intended to suppress cracks in the Floor Topping Mixture.
Alternate Floor Mat Materials* — (Optional) - Nom 0.4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness shall be min 1 in. when used with Crack Suppression Mat (CSM), Metal Lath, or Maxxon Reinforcement (MR).
MAXXON CORP — Type Enkasonic 9110, Enkasonic 9110 HP.
Alternate Floor Mat Materials* (Optional) — Nom 0.2 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer may be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness shall be as specified under Floor Topping Mixture.
MAXXON CORP — Type Acousti-Mat LP-R
Metal Lath (Optional) — For use with floor mat materials, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd or Maxxon Corp. UL Classified Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping thickness shall be min 1 in.
MAXXON CORP — Type Crack Suppression Mat (CSM)
Fiber Glass Mesh Reinforcement — (Optional) — Maxxon Corp's "Maxxon Reinforcement (MR)" for use with or as an alternate to CSM or metal lath reinforcement, the materials consists of a plastic coated non-woven fiber glass mesh grid intended to suppress cracks in the Floor Topping Mixture.
MAXXON CORP — Type Acousti-Mat LP-R
Metal Lath (Optional) — For use with or as an alternate to CSM or metal lath reinforcement, the materials consists of a plastic coated non-woven fiber glass mesh grid intended to suppress cracks in the Floor Topping Mixture.
MAXXON CORP — Types D-C, GC, GC2000, L-R, T-F, CT
- System No. 9**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Mixture shall consist of 5 to 8 gal of water to 80 lbs of floor topping mixture to 2.1 cu ft of sand.
ULTRA QUIET FLOORS — UQ-F, UQF-Super Blend, UQF-Plus 200
- System No. 10**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Floor Mat Materials* — (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. When floor mat material is used, min thickness of floor topping mixture is 1 in. Floor topping thickness a min 3/4 in. over Acousti-Mat I floor mat.
MAXXON CORP — Type Acousti-Mat I, Acousti-Mat II, Acousti-Mat II HP.
Alternate Floor Mat Materials* (Optional) - Nom 0.8 in. thick floor mat material loose laid over the subfloor with Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping thickness shall be min 1-1/2 in.
MAXXON CORP — Type Acousti-Mat 3, Acousti-Mat 3 HP, Crack Suppression Mat (CSM)
Metal Lath (Alternate to Crack Suppression Mat (CSM)) - 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material. Floor topping thickness shall be min 1-1/2 in.
Fiber Glass Mesh Reinforcement — (Optional) — Maxxon Corp's "Maxxon Reinforcement (MR)" for use with or as an alternate to CSM or metal lath reinforcement, the materials consists of a plastic coated non-woven fiber glass mesh grid intended to suppress cracks in the Floor Topping Mixture.
Alternate Floor Mat Materials* — (Optional) — Nom 0.4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness shall be min 1 in. Floor topping thickness shall be min 3/4 in. when used with Crack Suppression Mat (CSM), Metal Lath, or Maxxon Reinforcement (MR).
MAXXON CORP — Type Enkasonic 9110, Enkasonic 9110 HP.

- Alternate Floor Mat Materials* - (Optional)** — Nom 0.2 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer may be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness shall be as specified under Floor Topping Mixture.
MAXXON CORP — Type Acousti-Mat LP-R
Fiber Glass Mesh Reinforcement — (Optional) — Maxxon Corp's "Maxxon Reinforcement (MR)" for use with or as an alternate to CSM or metal lath reinforcement, the materials consists of a plastic coated non-woven fiber glass mesh grid intended to suppress cracks in the Floor Topping Mixture.
Metal Lath (Optional) — For use with floor mat materials, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd or Maxxon Corp. UL Classified Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping thickness shall be min 1 in.
MAXXON CORP — Type Crack Suppression Mat (CSM)
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1200 psi. Mixture shall consist of 4 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.4 to 1.9 cu ft of sand.
RAPID FLOOR SYSTEMS — Types RF, RFP, RFU, RFR, Orcrete
- System No. 11**
Subflooring — Min 1 by 6 in. T & G lumber fastened diagonally to trusses, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered.
Finish Flooring - Mineral and Fiber Board* — Min 1/2 in. thick, supplied in sizes ranging from 3 ft by 4 ft to 8 ft by 12 ft. All joints to be staggered a min of 12 in. with adjacent sub-floor joints.
HOMASOTE CO — Type 440-32 Mineral and Fiber Board
- System No. 12**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
ALLIED CUSTOM GYPSUM — Accu-Crete, AccuRadiant, AccuLevel G40 and AccuLevel S30.
Alternate Floor Mat Material* - (Optional) - Floor mat material nominal 2 - 9.5 mm thick loose laid over the subfloor. Floor topping shall be a min of 3/4 in.
ALLIED CUSTOM GYPSUM — Type AccuQuiet P80, Type AccuQuiet C40, AccuQuiet D13, and Type AccuQuiet D-18.
- System No. 13**
Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring — (Optional) - Nom 0.010 in. thick commercial rosin-sized building paper.
Finish Flooring — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floor- and Roof-Topping Mixtures (CCOX) category for names of Classified Companies.
Floor Mat Materials* — (Optional) - Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 and Quiet Qurl 55/025 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 60/040 and Quiet Qurl 60/040 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 65/075, Quiet Qurl 65/075 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 52/013 and Quiet Qurl 52/013 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 1/8 in. entangled net core with a compressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT
- System No. 14**
Subflooring — Min 23/32 in. thick T&G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with end joints staggered 4 ft. Panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.
Gypsum Board* — One layer of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1 in. long No. 6 Type W buggie head steel screws spaced 12 in. OC and located a min of 1-1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches from the joints of the subfloor.
GEORGIA-PACIFIC GYPSUM L L C — Type DS
Floor Mat Materials* — (As an alternate to the single layer gypsum board) - Floor mat material loose laid over the subfloor.
MAXXON CORP — Type Acousti-Mat I, Acousti-Mat II, Acousti-Mat II HP, Acousti-Mat 3, Acousti-Mat 3 HP, Enkasonic 9110, Enkasonic 9110 HP, Acousti-Mat LP-R.
Gypsum Board* — (For use when floor mat is used) Two layers of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to joists on top of the floor mat board secured to furring channels with nom 1 in. long No. 6 Type S bugle head steel screws spaced 12 in. OC and located a min of 1-1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches between layers and from the joints of the subfloor.
GEORGIA-PACIFIC GYPSUM L L C — Type DS
- System No. 15**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
DEPENDABLE LLC — GSL M3.4, GSL K2.6 and GSL RH
Floor Mat Materials* — (Optional) - Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 and Quiet Qurl 55/025 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 60/040 and Quiet Qurl 60/040 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 65/075, Quiet Qurl 65/075 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 52/013 and Quiet Qurl 52/013 N
Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 1/8 in. entangled net core with a compressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT
- System No. 16**
Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.
Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.
Finish Flooring — (Optional) - Nom 0.010 in. thick commercial rosin-sized building paper.
Finish Flooring — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floor- and Roof-Topping Mixtures (CCOX) category for names of Classified Companies.
Floor Mat Materials* — (Optional) - Nom 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
PLITEQ INC — Type GenieMat RST02
Floor Mat Materials* — (Optional) - Nom 3/16 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
PLITEQ INC — Type GenieMat FF04
Alternate Floor Mat Materials* — (Optional) - Nom 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
PLITEQ INC — Type GenieMat FF06

- Floor Mat Materials* — (Optional)** - Nom 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
PLITEQ INC — Type GenieMat FF10
Floor Mat Materials* — (Optional) - Nom 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.
PLITEQ INC — Type GenieMat FF25
- 2. Trusses** — Parallel chord trusses, spaced a max 24 in. OC, fabricated from nom 2 by 4 in. lumber with lumber oriented vertically or horizontally. Min truss depth is 12 in. when item 9 is not employed. Min truss depth is 18 in. when item 9 is employed. Truss members secured together with min No. 23 MSG galv steel truss plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split-tooth-type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approx 7/8 in. centers with four rows of teeth per in. of plate width.
- 3. Furring Channels** — Furring channels, 7/8 in. deep by 2-9/16 in. or 2-11/16 in. or 2-23/32 in. wide at the base and 1-7/16 in. wide at the face, formed from No. 25 ga galv steel, spaced 24 in. OC perpendicular to trusses. Channels secured to trusses with double strand No. 18 SWG galv steel wire spaced 48 in. OC. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Two furring channels used at end joints of gypsum board (Item 4), each extending a min of 6 in. beyond both side edges of the board.
- 3A. Resilient Channels** — (Not Shown) - As an alternate to Item 3, resilient channel formed from No. 26 MSG galv steel, spaced 16 in. OC perpendicular to trusses. Channels overlapped at splices 4 in. Two resilient channels used at end joints of gypsum board (Item 4), each extending a min of 6 in. beyond both side edges of the board.
- 3B. Steel Framing Members** — (Optional) - Used as an alternate method to attach furring channels to trusses (Item 2). Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to the bottom chord of alternating trusses with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to the bottom chord of alternating trusses with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels. Adjoining channels are overlapped as described in Item 3. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two min 7/16 in. long No. 6 self-tapping framing screws, at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 4. When Fiber, Sprayed (Item 6) is used, furring channel spacing reduced to 16 in. OC and two layers of nom 5/8 in. thick, 4 ft wide gypsum board shall be installed as described in Item 4.
- 3C. Steel Framing Members** — (Optional, Not Shown) - Used as an alternate method to attach furring channels to trusses. Clips spaced 48 in. OC, and secured to the bottom chord to alternating trusses with 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. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 4. Two layers of gypsum board required as described in Item 4A. When the Batts and Blankets* are used, furring channels are friction fitted into clips. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels. Adjoining channels are overlapped as described in Item 3. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two min 7/16 in. long No. 6 self-tapping framing screws, at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 4. When Fiber, Sprayed (Item 6) is used, furring channel spacing reduced to 16 in. OC and two layers of nom 5/8 in. thick, 4 ft wide gypsum board shall be installed as described in Item 4.
- 4. Gypsum Board*** — One layer of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to furring or resilient channels. Gypsum board secured with 1 in. long No. 6 Type S bugle head steel screws spaced 12 in. OC, and located a min of 1-1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches between layers and from the joints of the subfloor.
STUDDO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type AZ37 or AZ37R
3F. Resilient Channels — Resilient channels, formed from 23 MSG galv steel and shaped as shown, spaced 12 in. OC perpendicular to joist. Channels overlapped 4 in. at splices and secured to each joint with 1-1/4 in. Type S screws. Min end clearance of channels to wall to be 1/2 in. Additional resilient channels positioned so as to coincide with end joints of gypsum board (Item 4B).
- 4. Gypsum Board*** — One layer of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to furring or resilient channels. Gypsum board secured with 1 in. long No. 6 Type S bugle head steel screws spaced 12 in. OC and located a min of 1-1/2 in. from side and end joints. End joints secured to both resilient channels as shown in the end joint detail. When Steel Framing Members (Item 3B) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimension perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long No. 6 Type S bugle head steel screws spaced 12 in. OC in the field of the board. Gypsum board butt joints shall be staggered 2 ft within the assembly, and shall occur between the main furring channels. At the gypsum board butt joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 6 in. on each end. The two furring channels at each butt joint shall be spaced approximately 3-1/2 in. OC, and be attached to the bottom chord of the truss with one RSIC-1 clip at each end of the channel. Screw spacing along the gypsum board butt joint shall be 8 in. OC. When both Steel Framing Members (Item 3B) and Fiber, Sprayed (Items 6 or 6A) are used, furring channel spacing reduced to 16 in. OC and two layers of nom 5/8 in. thick, 4 ft wide gypsum board are installed with long dimension perpendicular to furring channels. Base layer secured to furring channels with nom 1 in. long No. 6 Type S bugle head steel screws spaced 12 in. OC in the field of the board. Gypsum board butt joints shall be staggered 2 ft within the assembly, and shall occur between the main furring channels. At the gypsum board butt joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 6 in. on each end. The two furring channels at each butt joint shall be spaced approximately 3-1/2 in. OC, and be attached to the bottom chord of the truss with one RSIC-1 clip at each end of the channel. Screw spacing along the gypsum board butt joint shall be 8 in. OC. Outer layer secured to furring channels using 1-5/8 in. long No. 6 Type S screws spaced 8 in. OC and 1-1/2 in. from the end joint. Butted end joints to be offset min. 18 in. from butted side joints of base layer. When Steel Framing Members (Item 3C) are used, two layers of nom 5/8 in. thick, 4 ft wide are installed with long dimensions perpendicular to furring channels. Base layer attached to the furring channels using 1 in. long No. 6 Type S bugle-head steel screws spaced 12 in. OC in the field of the board. Butted end joints shall be staggered min 2 ft. within the assembly, and occur midway between the continuous furring channels. Each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 6 in. on each end. The two furring channels shall be spaced approximately 4 in. OC, and be attached to underside of the truss with one Isomax clip at each end of the channel. Screw spacing along the gypsum board butt joint shall be 8 in. OC. Outer layer attached to the furring channels using 1-5/8 in. long No. 6 Type S bugle-head steel screws spaced 12 in. OC in the field. The end of the outer layer boards at the butt joint shall be attached to the base layer boards with 1-5/8

G6 UL L528
12" x 10"

ISSUE HISTORY		
No.	Date	Description
1	7/21/2017	50% DESIGN DEVELOPMENT SET
2	11/10/2017	75%-90% REVIEW COORD. SET
3	12/20/2017	100% PERMIT SET

REVISION HISTORY		
No.	Date	Description

FUGLEBERG KOCH

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

CONSULTANT

MICHAEL E. GOVE
FLORIDA LICENSE # AR4111

SUMMER BAY
APTS. II
LAKE COUNTY, FL

UL REFERENCE DIRECTORY
- FLOOR SYSTEM

A0.33

Drawn:	Author
Checked:	Checker
Approved:	Approver
Date:	Issue Date
Project #:	5389

PLOTTED: 11/29/2017 5:33:17 PM

Design No. P522

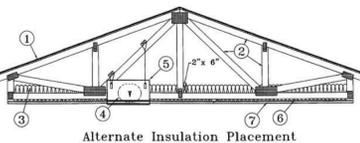
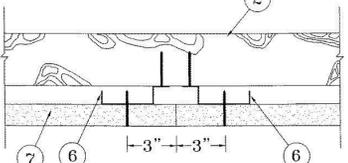
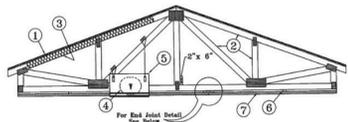
June 17, 2014

Unrestrained Assembly Rating — 1 Hr

Finish Rating — 25 Min (See Items 3 or 3A)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load reduction factor shall be used — See Guide BXUV or BXUV7

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Roofing System — Any UL Class A, B or C Roofing System (TCUF or Prepared Roof Covering (TFWZ) acceptable for use over Nom 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing", Nom 15/32 in. thick wood structural panels secured to trusses with No. 6d ringed nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Construction adhesive may be used with either the nails or staples.

2. Trusses — Pitched or parallel chord wood trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Truss members secured together with min. 0.0356 in. thick galv steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approximately 7/8 in. centers with four rows of teeth per inch of plate width. Where the truss intersects with the interior face of the exterior walls, the min truss depth shall be 5-1/4 in. with a min roof slope of 3/12 and a min. area in the plane of the truss of 21 sq/ft. Where the truss intersects with the interior face of the exterior walls, the min truss depth may be reduced to 3 in. if the batts and blankets (Item 3) are used as shown in the above illustration (Alternate Insulation Placement) and are firmly packed against the intersection of the bottom chords and the plywood sheathing.

3. Batts and Blankets — (Optional) — Required when Item 6B is used — Glass fiber insulation, secured to the wood structural panels with staples spaced 12 in. OC or to the trusses with 0.090 in. diam galv steel wires spaced 12 in. OC. Any glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance, having a min density of 0.5 pcf. As an option, the insulation may be filled in the concealed space, draped over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. When Steel Framing Members (Item 6B) are used, max 3-1/2 in. thick insulation shall be draped over the furring channels (Item 6Ba) and gypsum board ceiling membrane, and friction-fitted between trusses and Steel Framing Members (Item 6Bd). The finished rating has only been determined when the insulation is secured to the decking.

3A. Fiber, Sprayed* — As an alternate to Item 3 (not evaluated for use with Item 6B) — Any thickness of spray-applied cellulose insulation material, having a min density of 0.5 lb/ft3, applied with water, over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. Fiber, Sprayed is applied with moisture in accordance with the application instructions supplied with the product. The finish rating when Fiber Sprayed is used has not been determined. Alternate application method: The fiber is applied without water or adhesive in accordance with the application instructions supplied with a minimum density of 0.5 lb/ft3 over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. Alternate application method: The fiber is applied without water or adhesive to a nominal density of 3.5 lb/ft3 behind netting (Item 9) stapled to the rafters. The netting is stapled at both lower edges of the rafters creating a cavity to accept the cellulose fiber.

4. Air Duct* — Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.

5. Ceiling Damper* — Max nom area, 324 sq in. Max square size, 18 in. by 18 in. rectangular sizes not to exceed 324 sq in. with a max width of 18 in. Max damper height is 14 in. Installed in accordance with manufacturers installation instructions provided with the damper. Max damper openings not to exceed 162 sq in. per 100 sq ft of ceiling area. C&S AIR PRODUCTS — Model RD-521 POTTORFF — Model CFD-521

5A. Alternate Ceiling Damper* — Max nom area, 196 sq in. Max square size, 14 in. by 14 in. Rectangular sizes not to exceed 196 sq in. with a max width of 26 in. Max overall damper height is 7 in. Installed in accordance with the manufacturers installation instructions provided with the damper. Max damper openings not to exceed 98 sq in. per 100 sq ft of ceiling area.

C&S AIR PRODUCTS — Model RD-521-BT POTTORFF — Model CFD-521-BT.

5B. Alternate Ceiling Damper* — Ceiling damper & fan assembly. Max nom area shall be 75 sq in. with the length not to exceed 9-9/16 in. and the width not to exceed 9-3/4 in. Max height of damper shall be 9-7/8 in. Aggregate damper openings shall not exceed 38 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturers installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.

DELTA ELECTRONICS INC — Models CRD2

6. Furring Channels — Resilient channels formed of 25 MSG thick galv steel. Installed perpendicular to the trusses (Item 2), spaced a max of 16 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed space, or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane. Two courses of resilient channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channels oriented opposite at wallboard butt-joints. Channel splices overlapped 4 in. beneath wood trusses. Channels secured to each truss with 1-1/4 in. long Type S screws.

6A. Steel Framing Members — (Not Shown) — As an alternate to Item 6, furring channels and Steel Framing Members are described below:

a. Furring Channels — Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to trusses when no insulation (Items 3 or 3A) is fitted in the concealed space or 12 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane or 24 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane and a second layer of gypsum board is attached as described in Item 7 for steel framing members. Channels secured to trusses as described in Item 6Ab. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap.

b. Steel Framing Members — Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to alternating trusses with No. 8 by 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to alternating trusses with No. 8 by 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels. Adjoining channels are overlapped as described in Item 6Aa. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7.

PAC INTERNATIONAL INC — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

6B. Steel Framing Members* — (Not Shown) — As an alternate to Items 6 and 6A.

a. Furring Channels — Hat-shaped furring channels, 7/8 in. deep by 2-5/8 in. wide at the base and 1-1/4 in. wide at the face, formed from No. 25 galv steel, spaced max 16 in. OC perpendicular to trusses and Cold Rolled Channels (Item 6Bb). Furring channels secured to Cold Rolled Channels at every intersection with a 1/2 in. pan head self-drilling screw through each furring channel leg. Ends of adjoining channels overlapped 4 in. and led together with two double strand No. 18 SWG galv steel wire ties, one at each end of overlap. Supplemental furring channels at base layer and outer layer gypsum board but joints are not required. Batts and Blankets draped over furring channels as described in Item 3. Two layers of gypsum board attached to furring channels as described in Item 7.

b. Cold Rolled Channels — 1-1/2 in. by 1/2 in., formed from No. 16 ga. galv steel, positioned vertically and parallel to trusses, friction-fitted into the channel caddy on the Steel Framing Members (Item 6Bd). Adjoining lengths of cold rolled channels lapped min. 6 in. and wire-tied together with two double strand 18 SWG galv steel wire ties, one at each end of overlap.

c. Blocking — Where truss design does not permit direct, full contact of the hanger bracket, a piece of nominal 2 by 4 in. lumber (blocking), 6 in. long to permit full contact of the hanger bracket, to be secured vertically to the side of the truss (Item 2) at the top and bottom of the blocking at each Steel Framing Member (Item 6Bd) location.

d. Steel Framing Members* — Hangers spaced 48 in. OC, max along truss, and secured to the Blocking (Item 6Bc) on alternating trusses with a single 5/16 in. by 2 in. hex head lag bolt or four #5 1-1/4 in. drywall screws through mounting hole(s) on the hanger bracket. The two 1/4 in. long steel teeth on the hanger are embedded in the side of the blocking. Hanger positioned on blocking and leveling bolt height adjusted such that furring channels are flush with bottom of trusses before gypsum board installation. Spring gauge of hanger chosen per manufacturer's instructions.

KINETICS NOISE CONTROL INC — Type ICW.

6C. Steel Framing Members* — (Not Shown) — As an alternate to Items 6, 6A and 6B.

a. Furring Channels — Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep installed perpendicular to wood structural members. Channels spaced a max of 24 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed space or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space. Channels secured to trusses as described in Item 6Cb. Ends of adjoining channels overlapped 6 in. and led together with double strand of No. 18 AWG galvanized steel wire near each end of overlap.

b. Steel Framing Members* — Used to attach furring channels (Item 6Ca) to trusses (Item 2). Clips secured to the bottom chord of each truss (24 in. OC) with one No. 8 by 2-1/2 in. long coarse drywall screw through center grommet. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item 6Ca. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7.

PLUTEQ INC — Type Genie Clip

6D. Steel Framing Members* — (Not Shown) — As an alternate to Items 6, 6A, 6B and 6C.

a. Main runners — Installed perpendicular to trusses — Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of trusses with 12 SWG galv steel wire. Wires located a max of 48 in. OC.

b. Cross tees or channels — Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 ft long, 1-1/2 wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted gypsum board end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.

c. Wall angles or channels — Used to support steel framing member ends and for screw-attachment of the gypsum wallboard — Min 0.016 in. thick painted or galvanized steel angle with 1 in. legs or min. 0.016 in. thick painted or galvanized steel channel with a 1 by 1-1/2 by 1 in. profile, attached to walls at perimeter of ceiling with fasteners 16 in. OC.

CGC INC — Type DGL or RX. USG INTERIORS LLC — Type DGL or RX.

6E. Alternate Steel Framing Members* — (Not Shown)* — As an alternate to items 6, 6A, 6B, and 6C, furring channels and Steel Framing Members as described below.

a. Furring Channels — Formed of No. 25 MSG galv steel, 2-5/8 in. wide by 7/8 in. deep, spaced 24 in OC, perpendicular to trusses. When insulation, Items 3 or 3A is used, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to joists as described in Item b.

b. Steel Framing Members* — Used to attach furring channels (Item a) to the wood trusses (Item 2). Clips spaced at 24" OC and secured to the bottom of the trusses with one No. 10 x 2-1/2 Coarse Drywall Screw through the center hole. Furring channels are then friction fitted into clips. Ends of channels are overlapped 6" and screwed with four No. 8 x 1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Additional clips are required to hold the Gypsum Butt joints and side joints as described in Item 7.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

6F. Steel Framing Members* — (Not Shown) — As an alternate to Items 6 through 6E- Not for use with Items 3 or 3A. Main runners nom 12 ft long, spaced 72 in. OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 48 in. OC. Cross tees, nom 6 ft long, installed perpendicular to main runners and spaced 24 in. OC. Additional 6 ft long cross tees required at each gypsum board end joint with butted gypsum board end joints centered between cross tees spaced 8 in. OC. The main runners and cross tees may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation.

USG INTERIORS LLC — Type DGL or RX

7. Gypsum Board* — One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in. long Type S bugle-head screws. Screws spaced a max of 12 in. OC along butted end-joints and in the field when no insulation (Item 3 or 3A) is fitted in the concealed space, or a max of 8 in. OC along butted end-joints and in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane.

When Steel Framing Members* (Item 6A or 6C) are used, sheets installed with long dimension perpendicular to furring channels and side joints of sheet located beneath trusses. Gypsum board screws are driven through channel spaced 12 in. OC in the field when no insulation (Item 3 or 3A) is fitted in the concealed space, or 8 in. OC in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane. Gypsum board butt joints shall be staggered min 2 ft within the assembly, and occur between the main furring channels. At the gypsum board butt joints, each end of the gypsum board shall be supported by a single length of furring channel equal to the width of the wallboard plus 6 in. on each end. The furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to the trusses with one clip at each end of the channel. Screw spacing along the butt joint to attach the gypsum board to the furring channels shall be 8 in. OC. Second (outer) layer of gypsum board required when furring channels (Item 6A, a) are spaced 24 in. OC and insulation is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane. Outer layer of gypsum board attached to the furring channels using 1-5/8 in. long Type S bugle-head screws spaced 8 in. OC at butted joints and 12 in. OC in the field. Butted end joints of outer layer to be offset a minimum of 8 in. from base layer end joints. Butted side joints of outer layer to be offset minimum 18 in. from butted side joints of base layer.

When Steel Framing Members (Item 6B) are used, two layers of nom 5/8 in. thick, 4 ft wide gypsum board are installed with long dimensions perpendicular to furring channels (Item 6Bb). Base layer attached to the furring channels using 1 in. long Type S bugle head steel screws spaced 8 in. OC along butted end joints and 12 in. OC in the field of the board. Butted end joints centered on the continuous furring channels. Butted base layer end joints to be offset a min of 16 in. in adjacent courses. Outer layer attached to the furring channels using 1-5/8 in. long Type S bugle head steel screws spaced 8 in. OC at butted end joints and 12 in. OC in the field. Butted end joints centered on the continuous furring channels and offset a min of 16 in. from butted end joints of base layer. Butted side joints of outer layer to be offset min 16 in. from butted side joints of base layer.

When Steel Framing Members (Item 6C) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Gypsum board butted end joints shall be staggered minimum 72 in. At the gypsum board butt joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 3 in. on each end, spaced approximately 2 in. in from joint. Screw spacing along the gypsum board butt joint shall be 8 in. OC. Butt joint furring channels shall be attached with a RESILMOUNT Sound Isolation Clip secured to underside of every truss that is located over the butt joint. Over all Gypsum Board side joints, approximately 20 in. lengths of furring channel shall be installed parallel to trusses (Item 2) between main furring channels. Side joint furring channels shall be attached to underside of the joist with RESILMOUNT Sound Isolation Clips - located approximately 2 in. from each end of the approximate 20 in. length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

When alternate Steel Framing Members* (Item 6F) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board sheets installed with long dimension (side joints) perpendicular to the 6 ft long cross tees with the end joints staggered min 4 ft and centered between cross tees which are spaced 8 in. OC. Gypsum board side joints may occur beneath or between main runners. Prior to installation of the gypsum board sheets, batten strips consisting of nom 7-3/4 in. wide pieces of gypsum board are to be laid atop the cross tee flanges and centered over each butted end joint location. The batten strips are to be secured to the flanges of the cross tees at opposite corners of the batten strip with hod-down clips to prevent the batten strip from being uplifted during screw-attachment of the gypsum board sheets. Gypsum board fastened to cross tees with 1 in. drywall screws spaced 5 in. and 4 in. from the side joints and max 8 in. OC in the field of the board. The butted end joints are to be secured to the batten strip with No. 10 by 1-1/2 in. long Type G laminating screws located 1 in. from each side of the butted end joint and spaced 1 in. and 4 in. from the side joints and max 8 in. OC in the field of the board.

CGC INC — Types C, IP-X2, IPC-AR. UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR. USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR.

7A. Gypsum Board* — For use with Steel Framing Members (Item 6D) when Batts and Blankets* (Item 3) are not used - One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to the main runners. Gypsum board fastened to each cross tee or channel with five wallboard screws, with one screw located at the midspan of the cross tee or channel, one screw located 12 in. from and on each side of the cross tee or channel mid span and one screw located 1-1/2 in. from each gypsum board side joint. Except at wallboard end joints, wallboard screws shall be located on alternating sides of cross tee flange. At gypsum board end joints, gypsum board screws shall be located 1/2 in. from the joint. Gypsum board fastened to main runners with wallboard screws 1/2 in. from side joints, midway between intersections with cross tees or channels (16 in. OC). End joints of adjacent gypsum board sheets shall be staggered not less than 32 in. Gypsum board sheets screw attached to leg of wall angle with wallboard screws spaced 12 in. OC. Joints treated as described in Item 7. For use with Steel Framing Members* (Item 6D) when Batts and Blankets* (Item 3) are used - Ratings limited to 1 Hour - 5/8 in. thick, 4 ft wide, installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Fastened to cross tees with 1 in. long steel gypsum board screws spaced 8 in. OC in the field and 8 in. OC along end joints. Fastened to main runners with 1 in. long gypsum board screws spaced midway between cross tees. Screws along sides and ends of boards spaced 3/8 to 1/2 in. from board edge. End joints of the sheets shall be staggered with spacing between joints on adjacent boards not less than 4 ft OC.

CGC INC — Type C or IP-X2. UNITED STATES GYPSUM CO — Type C or IP-X2. USG MEXICO S A DE C V — Type C or IP-X2.

8. Finishing System — (Not Shown) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board. Alternate Ceiling Membrane — Not Shown.

9. Netting — Fibrous, woven netting material fastened to underside of each joist with staples, with side joints overlapped.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2014-06-17

TO BE REVIEWED AND ADJUSTED

ASSEMBLY SOUND RATINGS

Table with columns: WALL ASSEMBLY (UL ASSEMBLY) SEE LS PLANS, STC RATING, IIC RATING, TEST NUMBER/STANDARD. Rows include U305, U341, U344, U356, U404.

Table with columns: FLOOR ASSEMBLY (UL ASSEMBLY) SEE LS PLANS, FINISH, STC RATING, IIC RATING, TEST NUMBER/STANDARD. Rows include L546 W/RESILIENT CHANNEL, VINYL PLANK, CERAMIC TILE, CARPET & PAD.

ACOUSTIC NOTES:

1) FLOOR / CEILING SYSTEM-STC RATING THE FLOOR / CEILING SYSTEM DESIGN IS UL L546 AND IS EXPECTED TO PROVIDE A DESIGN, OR LABORATORY TESTED, STC RATING OF THAT LISTED ABOVE. PROVIDED THAT THE RECOMMENDATIONS ARE FOLLOWED RELATED TO NOISE FLANKING PATHS (SEE BELOW), THE FOLLOWING SPECIFICATIONS SHALL BE FOLLOWED:

- A. RESILIENT CHANNELS SHOULD BE USED TO ATTACH THE CEILING GYPSUM BOARD. B. THE INSULATION MUST BE INSTALLED AT THE TOP OF THE TRUSS CAVITY IN ORDER TO PROVIDE A BUFFER BETWEEN THE FLOOR ABOVE AND ANY HVAC DUCTING, PIPES, AND CONDUIT THAT ARE INSTALLED IN THE TRUSS CAVITY. C. ENSURE THAT THE HVAC FLEXIBLE DUCTING THAT IS INSTALLED WITHIN THE FLOOR / CEILING SYSTEM IS LOCATED TO ALLOW INSULATION TO BE PLACED BETWEEN THE TOP OF THE DUCT AND THE WOOD SUB-FLOOR. THIS DUCTING SHALL NOT BE IN DIRECT CONTACT WITH THE BOTTOM OF THE SUB-FLOOR. THERE SHALL BE AT LEAST ONE INCH OF INSULATION ABOVE THE DUCTING, AFTER COMPRESSION, IF THE DUCTING IS IN CONTACT WITH THE FLOOR, IT PROVIDES A DIRECT PATH FOR FOOTFALL NOISE TO ENTER THE DUCTING AND TRAVEL EFFICIENTLY INTO THE LIVING SPACES BELOW. D. ENSURE THAT THE PERIMETER OF ALL FIRE DAMPERS AND FIRE SPRINKLERS ARE COMPLETELY SEALED WITH A RESILIENT, NON-HARDENING CAULK, SUCH AS SILICONE OR POLYURETHANE, OR FIRE CAULK.

2) FLOOR / CEILING SYSTEM - IIC RATING THE FLOOR / CEILING SYSTEM DESIGN UL L546 AND IS EXPECTED TO PROVIDE A DESIGN, OR LABORATORY TESTED, IIC-RATING OF THAT LISTED ABOVE. PROVIDED THAT THE RECOMMENDATIONS ARE FOLLOWED RELATED TO NOISE FLANKING PATHS ARE FOLLOWED.

THE DESIGN IIC RATING MUST BE AT LEAST 50, AND THE FIELD TESTED RATING MUST BE AT LEAST 45 IN ORDER TO MEET THE MINIMUM BUILDING CODE REQUIREMENT. A HIGHER DESIGN RATING OF 55 OR MORE IS RECOMMENDED IF THE CLIENT DESIRES BETTER PERFORMANCE. ACUSTICAL UNDERLAYMENT MUST BE INSTALLED IN ALL RESIDENCES ABOVE THE FIRST FLOOR, BENEATH ALL HARD FLOOR COVERINGS, INCLUDING TILE, WOOD, LAMINATE, AND RESILIENT VINYL.

(NOTE: IT IS NOT NECESSARY TO IMPLEMENT ANY IMPROVEMENTS UNDER CARPET AND PAD OR ON FLOORS WHERE THERE ARE NO RESIDENCES LOCATED BELOW.)

THE CEILING GYPSUM BOARD MUST BE SEPARATED FROM THE WALL GYPSUM BOARD BY LEAVING A 1/8" GAP AT THE TOP OF ALL WALLS. THIS GAP MAY BE COVERED WITH MOLDING OR TRIM OR MAY BE SEALED USING CAULK. FIVE-SIDED GYPSUM BOARD BOXES SHOULD BE BUILT TO COMPLETELY ENCLOSE THE TOPS OF ALL RECESSED LIGHT CANS, CEILING FAN FIXTURES, AND ALL OTHER FIXTURES THAT PENETRATE THE CEILING. THIS APPLIES EVEN WHEN THE FIXTURES HAVE FIRE RATED CANS. INSULATION MUST BE PLACED ABOVE THESE GYPSUM BOARD BOXES.

3) TENANT SEPARATION WALL THE TENANT SEPARATION WALL IS UL ASSEMBLY U341. BOTH STUD CAVITIES ARE TO BE FILLED WITH R13 BATT INSULATION. THIS ASSEMBLY IS EXPECTED TO PROVIDE A DESIGN, OR LABORATORY TESTED, STC RATING AS LISTED, PROVIDED THAT THE RECOMMENDATIONS ARE FOLLOWED RELATED TO NOISE FLANKING PATHS.

4) CORRIDOR WALL / INTERIOR BEARING WALLS THE CORRIDOR WALL IS UL ASSEMBLY U305. THE STUD CAVITY IS FILLED WITH 3" SOUND ATTENUATION BATT INSULATION. THIS ASSEMBLY IS EXPECTED TO PROVIDE A DESIGN, OR LABORATORY TESTED STC RATING AS LISTED, PROVIDED THAT THE RECOMMENDATIONS ARE FOLLOWED RELATED TO NOISE FLANKING PATHS.

5) INTERIOR TENNANT WALLS THE INTERIOR TENNANT NON-BEARING WALLS ARE NON-RATED ASSEMBLIES, AND ARE ATTACHED TO THE TRUSSES WITH STC CLIPS. THE STUD CAVITIES ARE FILLED WITH 3" SOUND ATTENUATION BATT INSULATION WHERE SHOWN ON THE PLANS. THIS ASSEMBLY IS EXPECTED PROVIDE REDUCED SOUND TRAVEL, PROVIDED THAT THE RECOMMENDATIONS ARE FOLLOWED RELATED TO NOISE FLANKING PATHS. GYPSUM BOARD TO BE SEPARATED AND GAPS PROVIDED PER #2 ABOVE, AND SEALED WITH CAULK.

6) NOISE FLANKING PATHS AIRBORNE NOISE TRANSMITS FROM ONE TENANT SPACE TO ANOTHER BY TRAVELING DIRECTLY THROUGH PARTITIONS AND THROUGH ACOUSTICAL LEAK POINTS, KNOWN AS "FLANKING PATHS". PENETRATIONS THROUGH PARTITIONS SUCH AS ELECTRICAL OUTLET BOXES, SWITCHES, FIRE ALARM DEVICES, SIGNALING EQUIPMENT, SPRINKLER HEADS, EXHAUST FANS, PLUMBING PIPES, ETC. ARE ALL EXAMPLES OF "FLANKING PATHS" AND SHOULD BE SEALED PROPERLY WITH ACOUSTICAL SEALANT AND/OR ENCLOSED WITH 5 SIDED GYP. BD. BOXES WITHIN THE CAVITY.

STRUCTURE-BORNE NOISE TRANSMISSION IS MORE COMPLEX AND CAN OCCUR THROUGH MANY PATHS. THIS IS ESPECIALLY PREVALENT WHERE WALLS AND FLOOR/CEILING SYSTEMS ARE JOINED TOGETHER. STRUCTURE-BORNE NOISE TRANSMITS FROM ONE ROOM TO ANOTHER WHEN THE WALL OR FLOOR / CEILING SYSTEM VIBRATES AND ALSO THRU STRUCTURAL FLANKING PATHS.

PERMIT REVIEW STAMP and ISSUE HISTORY table with columns: No., Date, Description. Includes REVISION HISTORY table with columns: No., Date, Description.

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MICHAEL E. GOVE FLORIDA LICENSE # AR41111

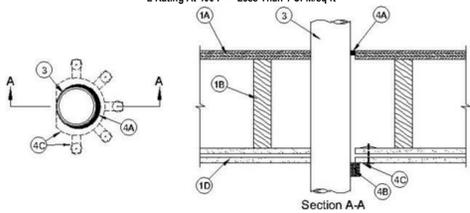
SUMMER BAY APTS. II LAKE COUNTY, FL UL REFERENCE DIRECTORY - ROOF SYSTEMS A0.34



Design No. F-C-2355

December 08, 2008

F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 1 and 2 Hr (See Item 1)
L Rating At Ambient — Less Than 1 CFM/sq ft
L Rating At 400 F — Less Than 1 CFM/sq ft



1. Floor-Ceiling Assembly — The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The 2 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in Design Nos. L505, LS11 or LS36 in the UL Fire Resistance Directory. The F and T Ratings of the firestop system are equal to the rating of the floor-ceiling assembly. The general construction features of the floor-ceiling assembly are summarized below:
A. 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).
B. 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 and with ends firestopped.
C. Gypsum Board* — Nom 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Wallboard secured to joists as specified in the individual Floor-Ceiling Design. Max diam of ceiling opening is 4 in. (102 mm).
2. Through Penetrants — One nonmetallic pipe to be centered within the firestop system. The annular space between pipe and periphery of opening shall be nom 1/4 in. Pipe to be rigidly supported on both sides of floor assembly. The following types and sizes of nonmetallic pipes may be used:
A. Polyvinyl Chloride (PVC) Pipe — Nom 3 in. (76mm) Schedule 40 solid core PVC or cellular core PVC (cPVC) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
B. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 3 in. (76mm) Schedule 40 solid core ABS or cellular core ABS (cABS) for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
3. Firestop System — The firestop system shall consist of the following:
A. Fill, Void or Cavity Material* - Wrap Strip — One layer of nom 1/4 in. thick by 2 in. wide intumescent wrap strip tightly wrapped around the outer circumference of the pipe with ends butted and held in place with foil tape. Wrap strip slid into the annular space with the bottom edge of the wrap strip extending 1/4 in. below gypsum board ceiling.
RECTORSEAL — Biotop Wrap Strip
B. Fill, Void or Cavity Material* - Caulk — Min 3/4 in. (19 mm) thickness of fill material applied within annulus, flush with top surface of floor.
RECTORSEAL — Biotop 500*

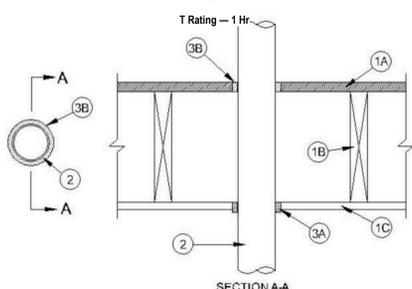
Last Updated on 2007-12-27

H1 UL F-C-2355 NTS

Design No. F-C-2368

December 27, 2007

F Rating — 1 Hr



1. Floor-Ceiling Assembly — The 1 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Designs in the UL Fire Resistance Directory, as summarized below:
A. 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).
B. 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 and with ends firestopped.
C. Gypsum Board* — Nom 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Wallboard secured to joists as specified in the individual Floor-Ceiling Design. Max diam of ceiling opening is 4 in. (102 mm).
2. Through Penetrants — One nonmetallic pipe to be centered within the firestop system. The annular space between pipe and periphery of opening shall be nom 1/4 in. Pipe to be rigidly supported on both sides of floor assembly. The following types and sizes of nonmetallic pipes may be used:
A. Polyvinyl Chloride (PVC) Pipe — Nom 3 in. (76mm) Schedule 40 solid core PVC or cellular core PVC (cPVC) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
B. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 3 in. (76mm) Schedule 40 solid core ABS or cellular core ABS (cABS) for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
3. Firestop System — The firestop system shall consist of the following:
A. Fill, Void or Cavity Material* - Wrap Strip — One layer of nom 1/4 in. thick by 2 in. wide intumescent wrap strip tightly wrapped around the outer circumference of the pipe with ends butted and held in place with foil tape. Wrap strip slid into the annular space with the bottom edge of the wrap strip extending 1/4 in. below gypsum board ceiling.
RECTORSEAL — Biotop Wrap Strip
B. Fill, Void or Cavity Material* - Caulk — Min 3/4 in. (19 mm) thickness of fill material applied within annulus, flush with top surface of floor.
RECTORSEAL — Biotop 500*

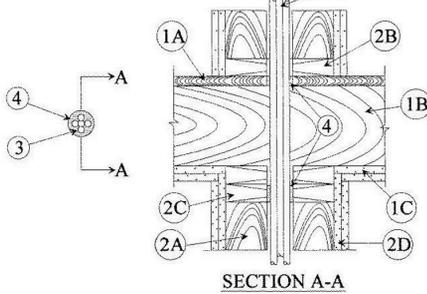
*Bearing the UL Classification Mark

H3 UL F-C-2368 NTS

Design No. F-C-3012

January 20, 2015

Table with 2 columns: ANS/UL1479 (ASTM E814) and CAN/ULC S115. Rows include F Ratings, T Ratings, FT Ratings, FH Ratings, and FTH Ratings for 1 and 2 hr assemblies.



1. Floor-Ceiling Assembly — The 1 or 2 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction features of the floor-ceiling assembly are summarized below:

A. 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) or 2 in. (51 mm), respectively.
B. 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 and with ends firestopped.
C. Furring Channels — (Not Shown) — (As required) - Resilient galvanized steel furring installed in accordance with the manner specified in the individual L500 Series Designs in the Fire Resistance Directory.
D. 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.
The F Rating of the firestop system is equal to the rating of the floor-ceiling assembly.
2. Chase Wall — (Optional, Not Shown) - The through penetrant (Item 3) shall be routed through a fire-rated single, double or staggered wood stud/gypsum wallboard chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs — Nom 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
B. 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 rated assembly is 2-1/2 in. (64 mm) or 2 in. (51 mm), respectively.
C. 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 rated assembly is 2-1/2 in. (64 mm) or 2 in. (51 mm), respectively.
D. 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:

- A. RG 59 coaxial cable with single copper conductor, cellular polyethylene cellular foam insulation and polyvinyl chloride (PVC) jacket.
B. Max 8/C No. 22 AWG telephone cable with polyvinyl chloride (PVC) jacketing.
C. Max 2/C No. 12 AWG cable with polyvinyl chloride (PVC) insulation and jacketing.
D. Max 3/C with ground No. 2/0 AWG aluminum or copper Type SER cable with polyvinyl chloride (PVC) insulation.
E. Max 3/C with ground No. 2/0 AWG Type NM cable with polyvinyl chloride (PVC) insulation.
F. Max 3/C No. 12 AWG MC (BX) cable with polyvinyl chloride (PVC) insulation.
G. Max 1 in. diam metal clad TEK cable with PVC jacket.
H. Max 4/C with ground No. 3/0 kcmil (or smaller) aluminum SER cable with PVC insulation and jacket.
I. Through Penetrating Product* - Any cables, Metal-Clad Cable* or Armored Cable* currently Classified under the Through Penetrating Products category. See Through Penetrating Product (XHLV) category in the Fire Resistance Directory for names of manufacturers.
The T Rating is 1 and 1-3/4 hr for 1 and 2 hr rated assemblies, respectively, for cables 3A through 3G. The T Rating is 0 hr for cables 3H and 3I.

4. Fill, Void or Cavity Material* - Sealant — Min 3/4 in. (19 mm) thickness of fill material applied within the annulus, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of fill material also applied within the annulus, flush with bottom surface of ceiling or lower top plate.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS611A Sealant or FS-One Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

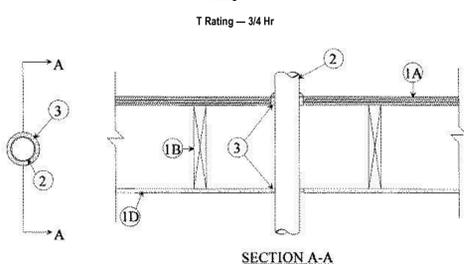
Last Updated on 2015-01-20

H5 UL F-C-3012 NTS

Design No. F-C-7002

December 08, 2008

F Rating — 1 Hr



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

A. 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.
B. 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.
C. Furring Channels — (Not Shown) — Resilient galv steel furring installed perpendicular to wood joists (Item 1B) between wallboard (Item 1D) and wood joists or furring channels as required in the individual Floor-Ceiling Design.
D. Gypsum Board* — Nom 4 ft wide by 5/8 in. thick as specified in the individual Floor-Ceiling Design. Wallboard secured to wood joists or furring channels as specified in the individual Floor-Ceiling Design. Max diam of ceiling opening is 5 in.

1.1 Chase Wall — (Not Shown, optional) The through penetrant (Item 2) may be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

- A. Studs — Nom 2 by 6 in. or double nom 2 by 4 in. lumber studs.
B. Sole Plate — Nom 2 by 6 in. or parallel 2 by 4 in. lumber plates, lightly butted.
C. Top Plate — The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, lightly butted. Max diam of opening is 5 in.
D. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

2. Steel Duct — Nom 4 in. diam (or smaller) No. 30 gauge (or heavier) steel duct. One duct to be centered within the firestop system. Diam of openings hole-sawed through flooring system and through gypsum wallboard ceiling to the nom 1/2 in. larger than the outside diam of through-penetrant. Steel duct to be rigidly supported on both sides of floor-ceiling assembly.

3. Fill, Void or Cavity Material* - Sealant — Min 3/4 in. thickness of fill material applied within annulus on top surface of floor. Min 5/8 in. thickness of fill material applied within annulus on bottom surface of ceiling or lower top plate of chase wall assembly. Additional fill material to be installed such that a min 1/8 in. crown is formed around the penetrating item on bottom surface of ceiling or lower top plate of chase wall assembly.

SPECIFIED TECHNOLOGIES INC — SpecSeal Series SSS Sealant or SpecSeal LCI Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

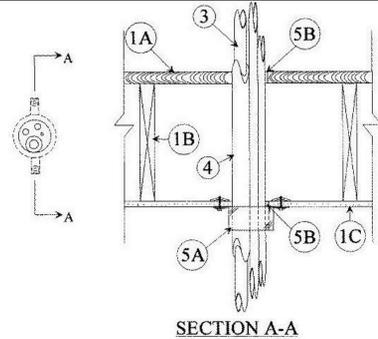
Last Updated on 2008-12-08

H7 UL F-C-7002 NTS

Design No. F-C-8009

January 21, 2015

Table with 2 columns: ANS/UL1479 (ASTM E814) and CAN/ULC S115. Rows include F Rating, T Rating, FT Rating, FH Rating, and FTH Rating for 1 hr assembly.



System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

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

A. 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 opening is 3 in. (76 mm).
B. 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 and with ends firestopped.
C. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in the individual Floor-Ceiling Design. Max diam of opening in ceiling (when chase wall (Item 2) is not provided) is 3 in. (76 mm).
2. Chase Wall — (Optional, Not Shown) — The through penetrant (Item 3) may be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

- A. Studs — Nom 2 by 6 in. (51 by 152 mm) lumber or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
B. Sole Plate — Nom 2 by 6 in. (51 by 152 mm) lumber or parallel 2 by 4 in. (51 by 102 mm) lumber plates, lightly butted. Max diam of opening shall be 3 in. (76 mm).
C. Top Plate — The double top plate shall consist of two nom 2 by 6 in. (51 by 152 mm) lumber plates or 2 sets of parallel nom 2 by 4 in. (51 by 102 mm) lumber, lightly butted. Max diam of opening is 3 in. (76 mm).
D. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

3. Through Penetrants — Pipe, cable and tubing to be bundled and rigidly supported on both sides of floor assembly. A nom annular space of min 0 in. (point contact) to max 1/2 in. (13 mm) is required within the firestop system. The following types and sizes of pipe, cable and tubing are to be used in the firestop system in sufficient quantities to fill the firestop device:

- A. Cable — Type PJT thermoseal cable, 5/C No. 18 AWG copper conductor, plastic insulation and jacket.
B. Polyvinyl Chloride (PVC) Pipe — Nom 1-1/2 in. (38 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.
C. Copper Tubing — Nom 3/4 in. (19 mm) diam (or smaller) Type L (or heavier) copper tubing.
D. Copper Tubing — Nom 1/2 in. (13 mm) diam (or smaller) Type L (or heavier) copper tubing.

4. Pipe Insulation — Plastisafe* — Nom 1/2 in. (13 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. Insulation to be installed only on one through reverant having a max nom diam of 3/4 in. (19 mm). See Plastics* (OMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL94 Flammability Classification of 94-5VA may be used.

5. Firestop System — The firestop system shall consist of the following:

A. Firestop Device* — Firestop Collar — Firestop collar shall be installed in accordance with the accompanying installation instructions. Collar to be installed and latched around the penetrants and secured to underside of gypsum wallboard ceiling using the anchor hooks provided with the collar. The anchor hooks are to be secured to the surface of the ceiling with min 3/16 in. diam min 2-1/2 in. long toggle bolts.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 64-3 90/3N, CP 64-3 63/2N, CP 64-3 50/1-1/2N

B. Fill, Void or Cavity Material* - Sealant — Min 3/4 in. (19 mm) thickness of fill material applied within the annulus, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with bottom surface of ceiling or lower top plate. Caulk to be forced into interstices of penetration group to max extent possible at top surface of floor or sole plate and bottom surface of ceiling or lower top plate.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS611A, FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

*Bearing the UL Recognized Component Mark

*Bearing the UL Classification Marking

Last Updated on 2015-01-21

H9 UL F-C-8009 NTS

PERMIT REVIEW STAMP

ISSUE HISTORY

Table with 3 columns: No., Date, Description. Rows 1, 2, 3.

REVISION HISTORY

Table with 3 columns: No., Date, Description. Rows 1, 2, 3.



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CONSULTANT

MICHAEL E. GOVE FLORIDA LICENSE # AR4111

SUMMER BAY APTS. II

LAKE COUNTY, FL

UL REFERENCE DIRECTORY - FLOOR PENETRATIONS

A0.36

Design No. W-L-1085
January 23, 2015

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 and 2 Hr (See Item 1B)	F Rating — 1 and 2 Hr (See Item 1B)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft	FTM Rating — 1 and 2 Hr (See Item 3B)
L Rating At 400 F — 4 CFM/sq ft	FTM Rating — 0 Hr

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum wallboard type, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 13-1/4 in. (337 mm).

C. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

D. Right Nonmetallic Conduit — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 or 80 PVC conduit installed in accordance with the National Electrical Code (NEC), 70.

E. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

F. Fire Retardant Polypropylene (FRPP) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

G. Firestop System — The firestop system shall consist of the following:

1. Fill, Void or Cavity Material — Sealant — Installed to completely fill the annular space between the pipes and gypsum wallboard on both sides of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant, FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

UL W-L-1085
NTS
Last Updated on 1999-11-24

Design No. W-L-2099
November 26, 2012

F Ratings — 1 and 2 Hr (See Items 1 and 3B)
T Ratings — 1, 1-1/2 and 2 Hr (See Item 3B)
L Rating At Ambient — 1 CFM/sq ft (See Item 3A)
L Rating At 400 F — Less Than 1 CFM/sq ft (See Item 3A)

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board — 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 5 in. (127 mm).

The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrants — One nonmetallic pipe or conduit to be centered within the firestop system. A nom annular space of 1/4 in. (6 mm) is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes or conduits may be used:

A. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

B. Right Nonmetallic Conduit — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 or 80 PVC conduit installed in accordance with the National Electrical Code (NEC), 70.

C. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.

D. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid or foamed core ADS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

E. Fire Retardant Polypropylene (FRPP) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

F. Firestop System — The firestop system shall consist of the following:

1. Fill, Void or Cavity Material — Caulk — (Optional) — Caulk applied to annular space to max extent possible. Caulk shall be installed flush with both surfaces of wall assembly. L Ratings apply only when caulk is used.

SPECIFIED TECHNOLOGIES INC — SpecSeal 100, 101, 102, 120, 129 or 105 Sealant, SpecSeal LCI Sealant, Pensil 300 Sealant or SpecSeal Series S1300 Sealant

B. Firestop Device — Galv steel collar lined with an intumescent material sized to fit the specific diam of the through-penetrant. Device shall be installed around through-penetrant in accordance with accompanying installation instructions. Device incorporates anchor tabs for securement to each surface of wall assembly by means of 1/8 in. (3 mm) diam by 1-3/4 in. (45 mm) long steel molly bolts in conjunction with 1/4 in. (6 mm) diam by 1-1/2 in. (38 mm) diam steel fender washers.

The F and T Rating of the firestop system is dependent upon the fire rating of the wall and size of the firestop device as tabulated below:

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

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

UL W-L-2099
NTS
Last Updated on 2012-11-26

Design No. W-L-3065
January 23, 2015

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 and 2 Hr (See Item 1)	F Rating — 1 and 2 Hr (See Item 1)
T Rating — 0 and 3/4 Hr (See Item 3)	FT Rating — 0 and 3/4 Hr (See Item 3)
L Rating At Ambient — Less Than 1 CFM/sq ft	FTM Rating — 1 and 2 Hr (See Item 1)
L Rating At 400 F — 8 CFM/sq ft	FTM Rating — 0 and 3/4 Hr (See Item 3)
	L Rating At Ambient — 15 CFM/sq ft
	L Rating At 400 F — 8 CFM/sq ft

1. Wall Assembly — The 1 or 2 fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board — Nom 5/8 in. (16 mm) thick gypsum board, 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 Wall and Partition Design in the UL Fire Resistance Directory. Max diam of opening is 5-1/2 in. (138 mm) when sleeve (Item 2) is employed. Max diam of opening is 4 in. (102 mm) when sleeve (Item 2) is not employed.

The F, FT Ratings of the firestop system are equal to the fire rating of the wall assembly.

2. Metallic Sleeves — (Optional) — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or Schedule 5 (or heavier) steel pipe or min 0.016 in. (0.41 mm) No. 28 galv steel sleeve installed flush with wall surfaces. The annular space between steel sleeve and periphery of opening shall be min 0 in. (0 mm, point contact) to max 1 in. (25mm). When Schedule 5 steel pipe or EMT is used, sleeve may extend up to 18 in. (457 mm) beyond the wall surfaces. As an option when Schedule 5 steel pipe or EMT is used, sleeve may extend continuously beyond one wall surface. When cable bundle penetrates wall assembly at an angle of 45 degrees, no metallic sleeve is used.

3. Cables — Aggregate cross-sectional area of cable in opening to be max 45 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (point contact) to max 1 in. (25 mm). When sleeve is continuous on one side of wall (see Item 2), the cable fill may be 0 to 45% and the max annular space is not limited. Cables to be rigidly supported on both sides of the wall assembly. Cable bundle, using cables described below, may penetrate the wall at an angle not greater than 45 degrees. Any combination of the following types and sizes of copper conductor cables may be used:

A. Max 7/8 No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.

B. Max 25 pair No. 24 AWG telephone cable with PVC insulation and jacket.

B1. Max 4 pr No. 22 AWG Cat 5 or Cat 6 computer cables.

C. Type RG1U coaxial cable with polyethylene (PE) insulation and PVC jacket having a max outside diameter of 1/2 in. (13 mm).

C1. Max RG 6U coaxial cable with fluorinated ethylene insulation and jacketing.

D. Multiple fiber optical communication cable jacketed with PVC and having a max OD of 5/8 in. (16 mm).

E. Through Penetrating Products — Max three copper conductor No. 8 AWG Metal-Clad Cable+ AF-CABLE SYSTEMS INC

F. Max 3/8 (with ground) or smaller No. 8 AWG copper conductor cable with PVC insulation and jacketing.

G. Max 3/4 in. (19 mm) diam copper ground cable with or without a PVC jacket.

H. Fire Resistive Cables — Max 1-1/4 in. (32 mm) diam single conductor or multi conductor Type MI cable. A min 1/8 in. (3 mm) separation shall be maintained between MI cables and any other types of cable.

I. Max 4/8 with ground 300 kcmil (or smaller) aluminum SER cable with PVC insulation and jacket.

J. Through Penetrating Product — Any cables, Metal-Clad Cable+ or Armored Cable+ currently Classified under the Through Penetrating Products category.

K. Maximum 3/8 No. 8 AWG metal-clad cable.

L. Maximum 5/8 diam fiber-optic cable with PVC jacket.

For cable bundle penetrating the wall assembly at an angle of 45 degrees, the T, FT, FTH Ratings are 0 hr and 3/4 hr for 1 and 2 hr wall assemblies, respectively.

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

4. Fill, Void or Cavity Material — Sealant or Putty — Fill material applied within the annulus, flush with each end of the steel sleeve or wall surface. Fill material installed symmetrically on both sides of the wall. A min 5/8 in. (16 mm) thickness of sealant is required for the 1 or 2 hr F Rating. An additional 1/2 in. (13 mm) diam bead of fill material shall be applied at the interface of sleeve with gypsum board.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S, CP606, FS-One Sealants or FS-ONE MAX Intumescent Sealant or CP618 Putty

5. Packing Material — (Optional, Not Shown) — Mineral wool forming material may be used as a backer for the fill material (Item 4). When used, it shall be firmly packed into annular space within the sleeve as a permanent form and recessed from end of sleeve to accommodate the required thickness of fill material.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

+Bearing the UL Listing Mark

UL W-L-3065
NTS
Last Updated on 2015-01-23

Design No. W-L-3068
August 24, 2011

F Rating — 2 Hr
T Rating — 0 Hr

1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.

B. Gypsum Board — Two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design.

2. Cables — Aggregate cross-sectional area of cables in Split Sleeve to be min 8 percent to max 36 percent of the aggregate cross-sectional area of the Split Sleeve. Cables to be rigidly supported on both sides of wall assembly. Any combination of the following types and sizes of copper conductor cable may be used:

A. Max 350 kcmil single conductor Type XHHW power cables, cross-linked polyethylene (XLPE) insulation.

B. Max 150 pair No. 24 AWG conductor telecommunication cables; polyvinyl chloride (PVC) insulation and jacket materials.

C. Max No. 12 AWG multicore Type TC power and control cables; Type XHHW conductors XLPE insulation with XLPE or PVC jacket.

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

A. Firestop Device — Threaded steel sleeve having incorporating split nuts and split washers sized to fit the specific diam of the opening. Device shall be installed around cables in accordance with the accompanying installation instructions. Device provided in nom 1, 2 and 4 in. sizes. Max diam of opening in wall for 1, 2 and 4 in. size devices are 1-1/4, 2-7/16 and 4-1/2 in., respectively.

UNIQUE FIRE STOP PRODUCTS INC — Split Sleeve

B. Packing Material — Min 1 in. thickness of min 4 pc mineral wool batt insulation firmly packed into Split Sleeve as a permanent form. Packing material to be recessed from each end of Split Sleeve as required to accommodate the required thickness of fill material.

C. Fill, Void or Cavity Material — Caulk, Sealant or Putty — Min 1 in. thickness of fill material applied within the Split Sleeve, flush with both ends.

3M COMPANY — CP 25WB+ Caulk, MPS-2 Putty or FB-3000 WT Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

UL W-L-3068
NTS
Last Updated on 2011-08-24

Design No. W-L-3117
November 20, 1999

F Ratings — 1 and 2 Hr (See Item 1B)
T Ratings — 1/2, 1 and 2 Hr (See Item 3)
L Rating At Ambient — 8 CFM/sq ft
L Rating At 400 F — Less Than 1 CFM/sq ft

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. Gypsum Board — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 2-1/2 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-Penetrating Product — Max four copper conductor No. 2/0 AWG (or smaller) aluminum or steel Metal-Clad Cable+ or max four copper conductor No. 1 AWG (or smaller) aluminum Armored Cable+. Max one cable to be installed either concentrically or eccentricity within the firestop system. The annular space within the firestop system shall be a min 0 in. (point contact) to a max 3/8 in. Through-penetrating product to be rigidly supported on both sides of wall assembly.

SOUTHWIRE CO

2A. Cables — As an alternate to Item 2, one cable to be installed either concentrically or eccentricity within the firestop system. The annular space within the firestop system shall be a min 0 in. (point contact) to a max 1/4 in. Cable to be rigidly supported on both sides of wall assembly. The following types and sizes of cables may be used:

A. Max 50 pair No. 24 AWG (or smaller) copper conductor telephone cables with polyvinyl chloride (PVC) insulation and jacket materials.

B. Max 3/8 (with ground) — No. 10 AWG (or smaller) PVC insulated and jacketed nonmetallic sheathed (Romex) cable.

C. Max 3/8 (with ground) No. 2/0 AWG aluminum conductor service entrance cable with PVC insulation and jacket materials.

3. Fill, Void or Cavity Material — Sealant or Putty — Fill material applied within the annulus, flush with both surfaces of wall. Additional fill material to be installed such that a crown is formed around the penetrating item. The T Rating of the firestop system is dependent upon the hourly rating of the wall, type of through penetrant and type and thickness of fill material as tabulated below:

Rating of Wall Hr	Type of Through Penetrant	Type of Fill Mtl	Thkns of Fill Mtl In.	Thkns of Fill Mtl Crown In.	T Rating Hr
1	Telephone Cable	Sealant	5/8	1/4	1
2	Telephone Cable	Sealant	5/8	1/4	2
1	Telephone Cable	Putty	5/8	3/8	1
2	Telephone Cable	Putty	3/4	1/4	2
1	Romex Cable	Sealant	5/8	3/8	1
2	Romex Cable	Sealant	3/4	1/4	2
1	Romex Cable	Putty	5/8	3/8	1
2	Romex Cable	Putty	3/4	1/4	2
2	Service Cable	Sealant	5/8	1/4	1/2
1	Service Cable	Sealant	5/8	1/4	1/2
2	Metal Clad or Armored Cable	Sealant	5/8	1/4	1/2
1	Metal Clad or Armored Cable	Sealant	5/8	1/4	1/2

SPECIFIED TECHNOLOGIES INC — SpecSeal 100, 101, 102 or 105 Sealant or SpecSeal Putty

*Bearing the UL Classification Marking

+Bearing the UL Listing Mark

UL W-L-3117
NTS
Last Updated on 1999-11-20

Design No. W-L-2098
January 26, 2015

F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 1 and 2 Hr (See Item 1)
L Rating At Ambient — Less Than 1 CFM/sq ft
L Rating At 400 F — 4 CFM/sq ft

1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. Gypsum Board — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 4-3/8 in.

The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrants — One nonmetallic pipe installed within the firestop system. Pipe to be rigidly supported on both sides of floor or wall assembly. The space between pipe and periphery of opening shall be min 3/4 in. to max 1-1/4 in. Pipe to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of nonmetallic pipes may be used:

A. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) piping system.

B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 2 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) piping systems.

3. Fill, Void or Cavity Materials — Sealant — Installed to completely fill the annular space between the pipes and gypsum wallboard on both sides of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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

Design No. W-L-2029
November 26, 2012

F Ratings — 1 and 2 Hr (See Items 1 and 3B)
T Ratings — 1, 1-1/2 and 2 Hr (See Item 3B)
L Rating At Ambient — 1 CFM/sq ft (See Item 3A)
L Rating At 400 F — Less Than 1 CFM/sq ft (See Item 3A)

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board — 5/8 in. (16 mm) thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 5 in. (127 mm).

The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrants — One nonmetallic pipe installed within the firestop system. Pipe to be rigidly supported on both sides of floor or wall assembly. The space between pipe and periphery of opening shall be min 3/4 in. to max 1-1/4 in. Pipe to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of nonmetallic pipes may be used:

A. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) piping system.

B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 2 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) piping systems.

3. Fill, Void or Cavity Materials — Sealant — Installed to completely fill the annular space between the pipes and gypsum wallboard on both sides of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

UL W-L-2029
NTS
Last Updated on 2012-11-26

Design No. W-L-3071
January 23, 2015

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 and 2 Hr (See Item 1)	F Rating — 1 and 2 Hr (See Item 1)
T Rating — 1/4 and 3/4 Hr (See Item 1)	FT Rating — 1/4 and 3/4 Hr (See Item 1)
L Rating At Ambient — Less Than 1 CFM/sq ft	FTM Rating — 1 and 2 Hr (See Item 1)
L Rating At 400 F — 4 CFM/sq ft	FTM Rating — 1/4 and 3/4 Hr (See Item 1)
	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — 4 CFM/sq ft

1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 3 in. (76 mm).

The hourly F, FT Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T, FT Rating of the firestop system is 1/4 and 3/4 hr for 1 and 2 hr rated wall assemblies, respectively.

2. Cables — Max two 3/8 with ground No. 2/0 AWG aluminum or copper Type SER cable with polyvinyl chloride (PVC) insulation. Cable to be rigidly supported on both sides of wall assembly. The annular space between the cables and the periphery of opening shall be min 1/2 in. to max 1-1/2 in. (13 to 38 mm).

3. Fill, Void or Cavity Material — Sealant — Installed to completely fill the annular space between the cables and gypsum wallboard on both sides of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

+Bearing the UL Listing Mark

UL W-L-3071
NTS
Last Updated on 2015-01-23

Design No. W-L-3117
November 20, 1999

F Ratings — 1 and 2 Hr (See Item 1B)
T Ratings — 1/2, 1 and 2 Hr (See Item 3)
L Rating At Ambient — 8 CFM/sq ft
L Rating At 400 F — Less Than 1 CFM/sq ft

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. Gypsum Board — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 2-1/2 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-Penetrating Product — Max four copper conductor No. 2/0 AWG (or smaller) aluminum or steel Metal-Clad Cable+ or max four copper conductor No. 1 AWG (or smaller) aluminum Armored Cable+. Max one cable to be installed either concentrically or eccentricity within the firestop system. The annular space within the firestop system shall be a min 0 in. (point contact) to a max 3/8 in. Through-penetrating product to be rigidly supported on both sides of wall assembly.

SOUTHWIRE CO

2A. Cables — As an alternate to Item 2, one cable to be installed either concentrically or eccentricity within the firestop system. The annular space within the firestop system shall be a min 0 in. (point contact) to a max 1/4 in. Cable to be rigidly supported on both sides of wall assembly. The following types and sizes of cables may be used:

A. Max 50 pair No. 24 AWG (or smaller) copper conductor telephone cables with polyvinyl chloride (PVC) insulation and jacket materials.

B. Max 3/8 (with ground) — No. 10 AWG (or smaller) PVC insulated and jacketed nonmetallic sheathed (Romex) cable.

C. Max 3/8 (with ground) No. 2/0 AWG aluminum conductor service entrance cable with PVC insulation and jacket materials.

3. Fill, Void or Cavity Material — Sealant or Putty — Fill material applied within the annulus, flush with both surfaces of wall. Additional fill material to be installed such that a crown is formed around the penetrating item. The T Rating of the firestop system is dependent upon the hourly rating of the wall, type of through penetrant and type and thickness of fill material as tabulated below:

Rating of Wall Hr	Type of Through Penetrant	Type of Fill Mtl	Thkns of Fill Mtl In.	Thkns of Fill Mtl Crown In.	T Rating Hr
1	Telephone Cable	Sealant	5/8	1/4	1
2	Telephone Cable	Sealant	5/8	1/4	2
1	Telephone Cable	Putty	5/8	3/8	1
2	Telephone Cable	Putty	3/4	1/4	2
1	Romex Cable	Sealant	5/8	3/8	1
2	Romex Cable	Sealant	3/4	1/4	2
1	Romex Cable	Putty	5/8	3/8	1
2	Romex Cable	Putty	3/4	1/4	2
2	Service Cable	Sealant	5/8	1/4	1/2
1	Service Cable	Sealant	5/8	1/4	1/2
2	Metal Clad or Armored Cable	Sealant	5/8	1/4	1/2
1	Metal Clad or Armored Cable	Sealant	5/8	1/4	1/2

SPECIFIED TECHNOLOGIES INC — SpecSeal 100, 101, 102 or 105 Sealant or SpecSeal Putty

*Bearing the UL Classification Marking

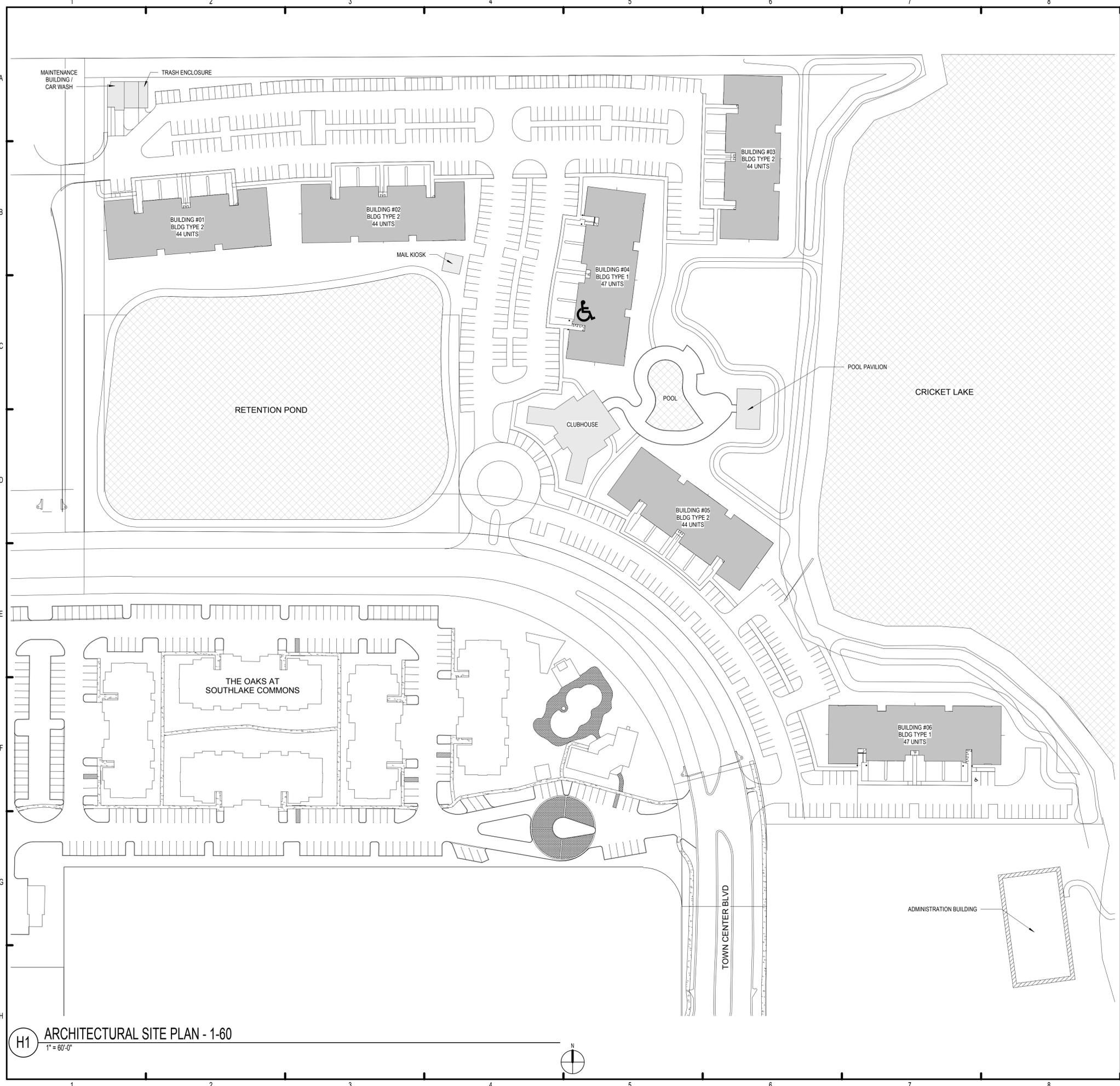
+Bearing the UL Listing Mark

UL W-L-3117
NTS
Last Updated on 1999-11-20

PERMIT REVIEW STAMP

ISSUE HISTORY

No.	Date	Description
1	7/21/2017	50% DESIGN DEVELOPMENT SET
2	11/10/2017	75%-90% REVIEW COORD. SET
3		



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 LLC 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. APROX 2000 AMP LOAD PER NEC
- DESIGNATED ACCESSIBLE GARAGE

SITE PLAN - AREAS FOR PERMITTING

Building Type / Level	Building Number	Area
BUILDING TYPE 1		
GRND. LEVEL	1	4382.3 SF
		4382.3 SF
GRND. LEVEL	8	4382.3 SF
		4382.3 SF
		8764.5 SF
BUILDING TYPE 2		
GRND. LEVEL	2	4945.6 SF
		4945.6 SF
		4945.6 SF
BUILDING TYPE 3		
GRND. LEVEL	3	4874.8 SF
		4874.8 SF
		4874.8 SF
CLUBHOUSE		
GRND. LEVEL	20	2780.7 SF
		2780.7 SF
		2780.7 SF
MAIL KIOSK		
GRND. LEVEL	22	64.4 SF
		64.4 SF
		64.4 SF
MAINTENANCE		
GRND. LEVEL	23	836.0 SF
		836.0 SF
		836.0 SF
POOL PAVILION		
GRND. LEVEL	21	561.0 SF
		561.0 SF
		561.0 SF
TRASH COMPACTOR		
GRND. LEVEL	24	682.7 SF
		682.7 SF
		23509.9 SF

PERMIT REVIEW STAMP

No.	Date	Description
1	7/21/2017	50% DESIGN DEVELOPMENT SET
2	11/10/2017	75%-90% REVIEW COORD. SET
3	12/20/2017	100% PERMIT SET

ISSUE HISTORY

No.	Date	Description
1	7/21/2017	50% DESIGN DEVELOPMENT SET
2	11/10/2017	75%-90% REVIEW COORD. SET
3	12/20/2017	100% PERMIT SET

REVISION HISTORY

No.	Date	Description

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

MICHAEL E. GOVE
FLORIDA LICENSE # AR84111

Drawn: Author	Author
Checked: Checker	Checker
Approved: Approver	Approver
Date: Issue Date	Issue Date
Project #: 5389	Project #

ARCHITECTURAL SITE PLAN

A1.01

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

BUILDING CODE ANALYSIS - 2014 FLORIDA BUILDING CODE

CODE SUMMARY (APPLICABLE CODES)

- BUILDING CODE: 2014 FLORIDA BUILDING CODE
- PLUMBING CODE: 2014 PLUMBING CODE
- ENERGY CODE: 2014 FLORIDA ENERGY CONSERVATION CODE AND AMMENDMENTS
- MECH. CODE: 2014 FLORIDA MECHANICAL CODE
- LIFE SAFETY: 2014 NFPA 101, 2015 EDITION
- FIRE CODE: 2014 FLORIDA FIRE PREVENTION CODE
- ELEC. CODE: 2011 NATIONAL ELECTRIC CODE
- ACCESSIBILITY CODE REFERENCE: 2014 FLORIDA BUILDING CODE, ACCESSIBILITY FHA - FAIR HOUSING ACCESSIBILITY GUIDELINES ANSI A117.1, 2003 EDITION
- NFPA 101, STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2014 EDITION

GENERAL CODE PARAMETERS

DESCRIPTION	REQUIRED OR ALLOWABLE	THIS PROJECT	REFERENCE FBC 2014	REMARKS
CONSTRUCTION TYPE	TYPE V (B)	TYPE V (B)	TABLE 503	
USE / OCCUPANCY	A-3	A-3	CH. 3	
FIRE RATING	0	0	TABLE 601	
OCCUPANCY SEPARATION	N	N	TABLE 508.4	
SPRINKLER	NO	NO	SEC 903.2.1.3	
MIN. NO. OF EXITS	2	2	TABLE 1015.1/1021.2	
MIN. CORRIDOR WIDTH	44 INCHES	58 INCHES	SEC 1005.1 TABLE 1018.2	
MAX. NO. STORIES	1	1	TABLE 503	
HEIGHT LIMIT	40'	24' 7"	TABLE 503	
MAX FLOOR AREA	6000 SF	4229 SF	TABLE 503	
WIND SPEED	130-140 MPH	130-140 MPH	SEC. 1609	
SEISMIC ZONE	-	-	-	SEE STRUCT.

GENERAL CODE PARAMETERS

DESCRIPTION	REQUIRED OR ALLOWABLE	THIS PROJECT	REFERENCE FBC 2014	REMARKS
CONSTRUCTION TYPE	TYPE V (B)	TYPE V (B)	TABLE 503	
USE / OCCUPANCY	U	U	CH. 3	
FIRE RATING	0	0	TABLE 601	
OCCUPANCY SEPARATION	N	N	TABLE 508.4	
SPRINKLER	NO	NO	SEC 903.2.1.3	
MIN. NO. OF EXITS	1	1	TABLE 1021.2	
MIN. CORRIDOR WIDTH	-	-	SEC 1005.1 TABLE 1018.2	
MAX. NO. STORIES	1	1	TABLE 503	
HEIGHT LIMIT	40'	19' 6"	TABLE 503	
MAX FLOOR AREA	5500 SF	1312 SF	TABLE 503	
WIND SPEED	130-140 MPH	130-140 MPH	SEC. 1609	
SEISMIC ZONE	-	-	-	SEE STRUCT.

GENERAL CODE PARAMETERS

DESCRIPTION	REQUIRED OR ALLOWABLE	THIS PROJECT	REFERENCE FBC 2014	REMARKS
CONSTRUCTION TYPE	TYPE V (B)	TYPE V (B)	TABLE 503	
USE / OCCUPANCY	A-3	A-3	CH. 3	
FIRE RATING	0	0	TABLE 601	
OCCUPANCY SEPARATION	N	N	TABLE 508.4	
SPRINKLER	NO	NO	SEC 903.2.1.3	
MIN. NO. OF EXITS	-	-	TABLE 1021.2	
MIN. CORRIDOR WIDTH	-	-	SEC 1005.1 TABLE 1018.2	
MAX. NO. STORIES	1	1	TABLE 503	
HEIGHT LIMIT	40'	18' 11 1/2"	TABLE 503	
MAX FLOOR AREA	6000 SF	1482 SF	TABLE 503	
WIND SPEED	130-140 MPH	130-140 MPH	SEC. 1609	
SEISMIC ZONE	-	-	-	SEE STRUCT.

EGRESS WIDTH	OCCUPANCY CLASSIFICATION	TOTAL OCCUPANTS (PER OCCUPANT LOAD CALC.)	EGRESS WIDTH PER PERSON SERVED (REQ'D.)		EGRESS WIDTH PROVIDED	
			STAIRWAYS (IN. PER OCCUPANT)	EXIT DOOR WIDTH (INCHES PER OCCUPANT)	STAIRWAYS	EXIT DOOR WIDTH
R-2	150 (WORST CASE)	0.3 (0 OCCUPANTS)	0.2 (150 OCCUPANTS) = 30"	0	99"	

MEANS OF EGRESS - (IBC TABLE 1016.1 & NFPA)

OCCUPANCY CLASSIFICATION	LOCATION	MAX. TRAVEL DISTANCE TO EXIT (ALLOWABLE)		MAX. TRAVEL DISTANCE (ACTUAL - WORST CASE)	REMARKS
		UNSPRINK.	SPRINK.		
A-3	CLUBHOUSE	200'	250'	38'-8"	
A-3	MAINTENANCE	200'	250'	20'-0"	

PLUMBING FIXTURES REQ'D - IBC 2012 TABLE 2902.1

OCCUPANCY CLASSIFICATION	LOCATION	WATER CLOSETS (URINALS 419.2)			LAVATORIES		DRINKING FOUNTAIN	SERVICE SINK
		MALE	FEMALE	URINALS	MALE	FEMALE		
A-3	CLUBHOUSE	1 PER 125	1 PER 65		1 PER 200	1 PER 200	1 PER 500	1
TOTAL OCCUPANTS = 150		75	75		75	75		
FIXTURES REQUIRED		1	2	-	1	1	1	1
FIXTURES PROVIDED		1	2	1	1	2	1 HI/1 LOW	1

OCCUPANT LOAD TABLE 1004.1.1

SPACE NAME	FUNCTION OF SPACE	FLOOR AREA	AREA PER OCCUPANT	OCCUPANT
ENTRY	ASSEMBLY - UNCONCENTRATED	122 SF	5 NET	25
LEASE	BUSINESS	169 SF	100 GROSS	2
OFFICE	BUSINESS	128 SF	100 GROSS	2
OFFICE	BUSINESS	140 SF	100 GROSS	2
WORK	BUSINESS	169 SF	100 GROSS	2
GAME	ASSEMBLY - UNCONCENTRATED	257 SF	15 NET	18
GATHERING	ASSEMBLY - UNCONCENTRATED	655 SF	15 NET	44
CAFE	ASSEMBLY - UNCONCENTRATED	116 SF	15 NET	8
COVERED PATIO	ASSEMBLY - UNCONCENTRATED	441 SF	15 NET	30
MECHANICAL	MECHANICAL	11 SF	300 GROSS	1
FITNESS	EXERCISE ROOM	757 SF	50 GROSS	16
TOTAL				150

OCCUPANT LOAD TABLE 1004.1.1

SPACE NAME	FUNCTION OF SPACE	FLOOR AREA	AREA PER OCCUPANT	OCCUPANT
COVERED UNENCLOSED AREA	DECK	1082 SF	15 GROSS	73

ANCILLARY BUILDING GROSS AREA LEGEND

BUILDING	ENCLOSED AREA	COVERED UNENCLOSED AREA	TOTAL AREA
CLUBHOUSE	3,693 SF	512 SF	4,205 SF
MAINTENANCE	692 SF	620 SF	1,312 SF
POOL PAVILION	400	1082 SF	1,482 SF

INTERIOR FINISH REQUIREMENTS

ALL INTERIOR FINISHES SHALL COMPLY W/ FBC 2014, CHAPTER 8. GROUP R-2 OCCUPANCY SHALL BE REQUIRED TO BE CLASS-C FOR ALL ROOMS & ENCLOSED SPACES PER FBC TABLE 803.9 & SHALL COMPLY W/ CLASS-C REQUIREMENTS AS DEFINED IN FBC SECTION 803.

FIRE-RESISTANCE RATING REQUIREMENTS (PER TABLE 601)

	REQUIRED	PROVIDED
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES	0	0
BEARING WALLS: EXTERIOR (PER TABLE 602)	0	0
INTERIOR	0	0
NONBEARING WALLS AND PARTITIONS: EXTERIOR (PER TABLE 601/602)	0	0
INTERIOR (PER SECTION 602)	0	0
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	0	0
ROOF CONSTRUCTION	0	0
SEPARATION DISTANCE (PER TABLE 602) 10' ≤ X < 30' TYPE V(A)	0	0

MINIMUM FLAME SPREAD INTERIOR FINISHES

SPACE DESCRIPTION NONSPRINKLERED	WALLS AND CEILING	NOTE	FLOORS	NOTE
EXIT ENCLOSURES-EXIT PASSAGEWAYS	A	NONE IN PROJECT	CLASS II	NONE IN PROJECT
CORRIDORS	A	NONE IN PROJECT	CLASS II	NONE IN PROJECT
ROOMS AND ENCLOSED SPACES	C		DOCF-1	"PILL TEST"

FROM TABLE 706.8 - (FBC 2014)

MAXIMUM AREA OF EXTERIOR WALL OPENINGS:

FIRE SEPARATION DISTANCE	DEGREE OF OPENING PROTECTION	ALLOWABLE AREA
30' OR GREATER	UNPROTECTED, SPRINKLERED	NO LIMIT
20' TO LESS THAN 25'	UNPROTECTED, SPRINKLERED	NOT REQUIRED

ENERGY CONSERVATION REQUIREMENTS

2014 F.B.C. - ENERGY CONSERVATION CHAPTER 402.4

THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED 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:

- ALL JOINTS, SEAMS AND PENETRATIONS
- SITE-BUILT WINDOWS, DOORS AND SKYLIGHTS.
- OPENINGS BETWEEN WINDOWS AND DOOR ASSEMBLIES AND THEIR RESPECTIVE JAMBS AND FRAMING.
- UTILITY PENETRATIONS.
- DROPPED CEILING OR CHASES ADJACENT TO THE THERMAL ENVELOPE.
- KNEE WALLS.
- WALLS AND CEILING SEPARATING A GARAGE FROM CONDITIONED SPACES.
- BEHIND TUBS AND SHOWERS ON EXTERIOR WALLS
- COMMON WALLS BETWEEN DWELLING UNITS.
- ATTIC ACCESS OPENINGS.
- RIM JOIST JUNCTION.
- OTHER SOURCES OF INFILTRATION.

FLORIDA PRODUCT APPROVAL CHECKLIST - [FBC 2010] (APARTMENTS & CLUBHOUSE)

CATEGORY / SUBCATEGORY	MANUFACTURER	PRODUCT DESCRIPTION	DESIGN PRESSURE +/-	WIND BORNE DEBRIS PROTECTION	APPROVAL NUMBER(S)
A. EXTERIOR DOORS					
SWINGING	WINDSOR REPUBLIC DOORS	STEEL EXT. DOOR DL416	+65 / -65	NO	FL 14963
SWINGING FRENCH	MASONITE	GLASS	+43.0 / -45.0	NO	FL 4940.5
B. WINDOWS					
DOUBLE HUNG	JELD-WEN WINDOWS	DOUBLE HUNG V-4500	+50.0 / -50.0	NO	FL 16309.1
FIXED	JELD-WEN WINDOWS	FIXED V-4500	+50.0 / -50.0	NO	FL 14784.3
C. PANEL WALL					
METAL PANELS	BERRIDGE	THIN LINE WALL PANEL	+187 / -135	NO	FL 14669.9-R1
STOREFRONT	KAWNEER NA	TRIFAB 350 STOREFRONT	+30 / -30	NO	FL 10388.1
D. ROOFING PRODUCTS					
UNDERLAYMENTS	W.R. GRACE	ICE & WATER SHIELD HT	N/A	NO	FL 298.1
METAL SOFFITS	BERRIDGE	THIN LINE WALL PANEL	+187 / -135	NO	FL 14669.9-R1
TPO ROOF	GAF	60 MIL SINGLE-PLY ROOF	N/A	NO	FL 3443 - R6

PERMIT REVIEW STAMP

ISSUE HISTORY

No.	Date	Description
1	7/21/2017	50% DESIGN DEVELOPMENT SET
2	11/10/2017	75%-90% REVIEW COORD. SET
3	12/20/2017	100% PERMIT SET

REVISION HISTORY

No.	Date	Description



FUGLEBERG KOCH

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CONSULTANT

MICHAEL E. GOVE
FLORIDA LICENSE # AR84111

SUMMER BAY APTS. II

LAKE COUNTY, FL

CODE ANALYSIS - CLUBHOUSE

CH0.02

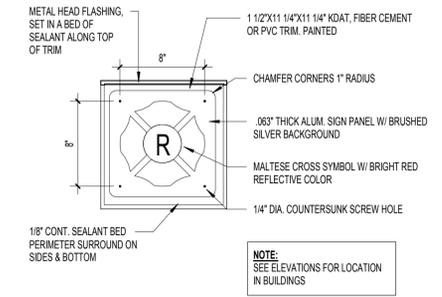
Drawn:	Author
Checked:	Checker
Approved:	Approver
Date:	Issue Date
Project #:	5389

LIFE SAFETY NOTES

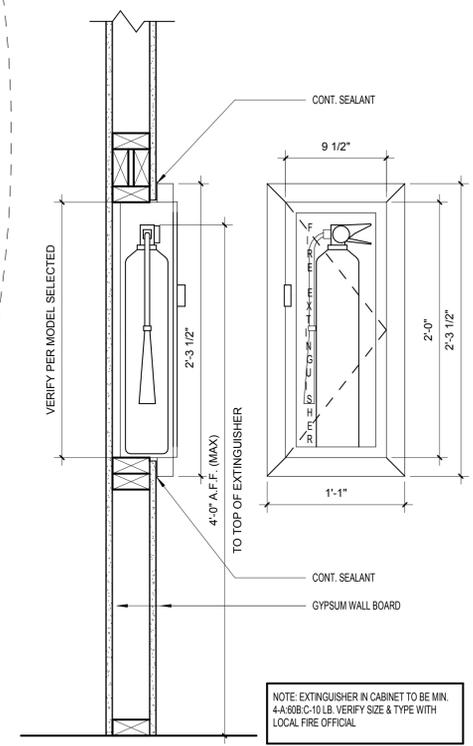
1. PERMIT REQUIREMENTS BY CONTRACTOR: THE CONTRACTOR IS REQUIRED TO PROVIDE SIGNED & SEALED TRUSS DRAWING FOR THE ARCHITECTS REVIEW & ACCEPTANCE. THE CONTRACTOR WILL BE REQUIRED TO SUPPLY ACCEPTED SIGNED & SEALED COPY OF THE TRUSS SHOP DRAWING TO THE CITY OF LAKE COUNTY, FL BUILDING DEPARTMENT PRIOR TO THE FIRST INSPECTION.
2. SEE CH.02 FOR CODE DATA COMPLYING WITH THE FBC BUILDING CODE 2014 (5TH EDITION) BUILDING & INTERNATIONAL FIRE PREVENTION CODE 2014 (5TH EDITION).
3. PROVIDE RECESSED PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY NFPA 10 STANDARDS FOR PORTABLE FIRE EXTINGUISHERS' 2012 EDITION. VERIFY EXACT LOCATION AND F.E. TYPE WITH FIRE OFFICIAL.
4. FIRE EXTINGUISHERS IN PUBLIC SPACES SHALL BE LOCATED WITHIN 75' TRAVEL DISTANCE.

LIFE SAFETY LEGEND

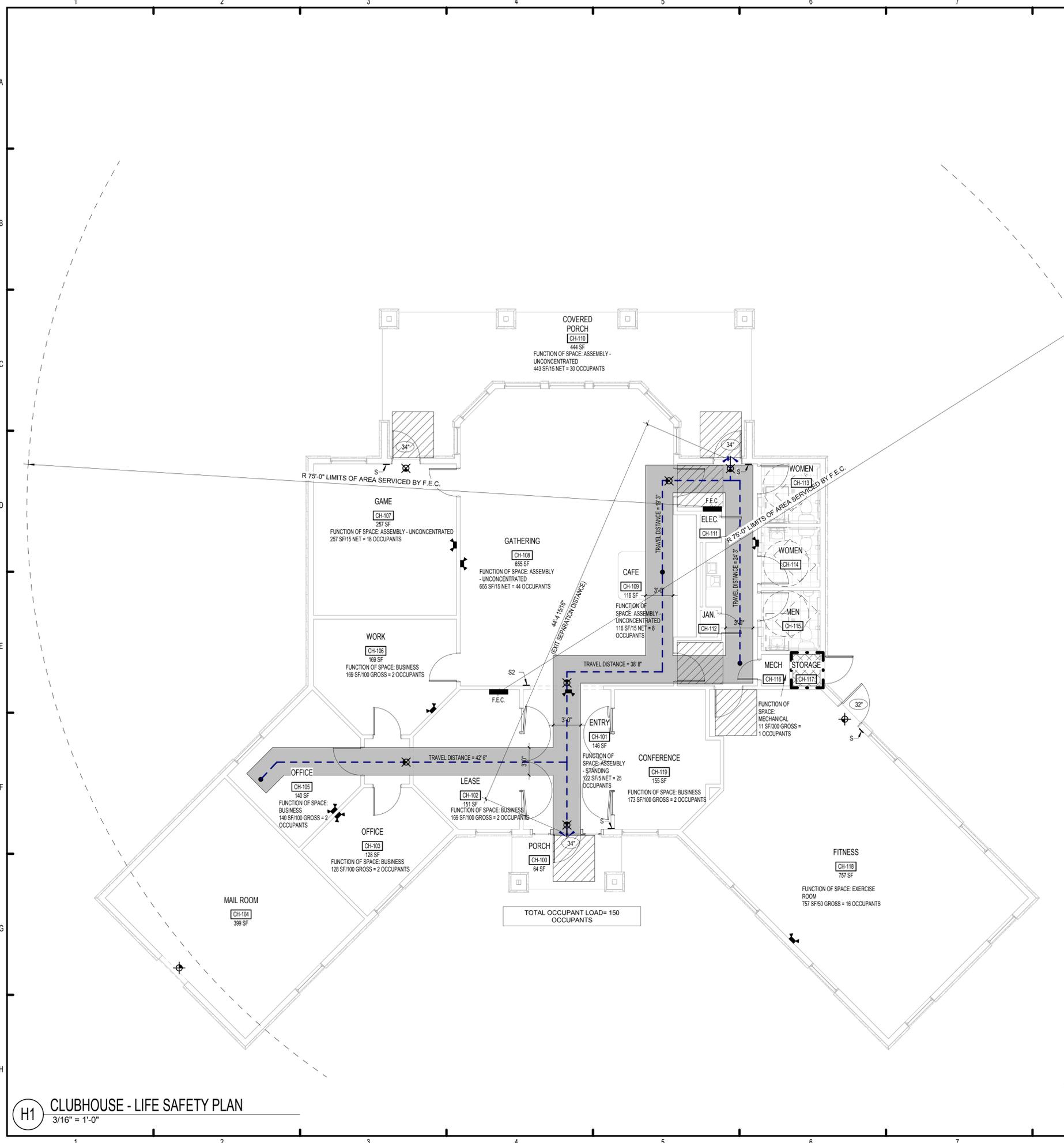
- EMERGENCY LIGHT
- ILLUMINATED EXIT SIGN
- TRAVEL DISTANCE TO EXIT
- FIRE EXTINGUISHER VERIFY EXACT LOCATIONS AND TYPES WITH LOCAL FIRE OFFICIALS
- 36" ACCESSIBLE ROUTE
- MANEUVERING CLEARANCE SPACE
- REQUIRED 1 HOUR FIRE SEPARATION
- CLEAR WIDTH AT EXIT DOORS
- TACTILE EXIT SIGN. B.O. LETTERING AT 48" AFF.
- MAX. OCCUPANCY SIGN AT 48" AFF.
- 1 HOUR RATED GYPSUM CEILING PER UL P544



D9 FIRE SIGN DETAIL
1 1/2" = 1'-0"



H9 SEMI RECESSED FIRE EXTINGUISHER CABINET
1 1/2" = 1'-0"



H1 CLUBHOUSE - LIFE SAFETY PLAN
3/16" = 1'-0"

ISSUE HISTORY		
No.	Date	Description
1	7/21/2017	50% DESIGN DEVELOPMENT SET
2	11/10/2017	75%-90% REVIEW COORD. SET
3	12/20/2017	100% PERMIT SET

REVISION HISTORY		
No.	Date	Description

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CONSULTANT

MICHAEL E. GOVE
FLORIDA LICENSE # AR84111

Drawn:	Author
Checked:	Checker
Approved:	Approver
Date:	Issue Date
Project #:	5389

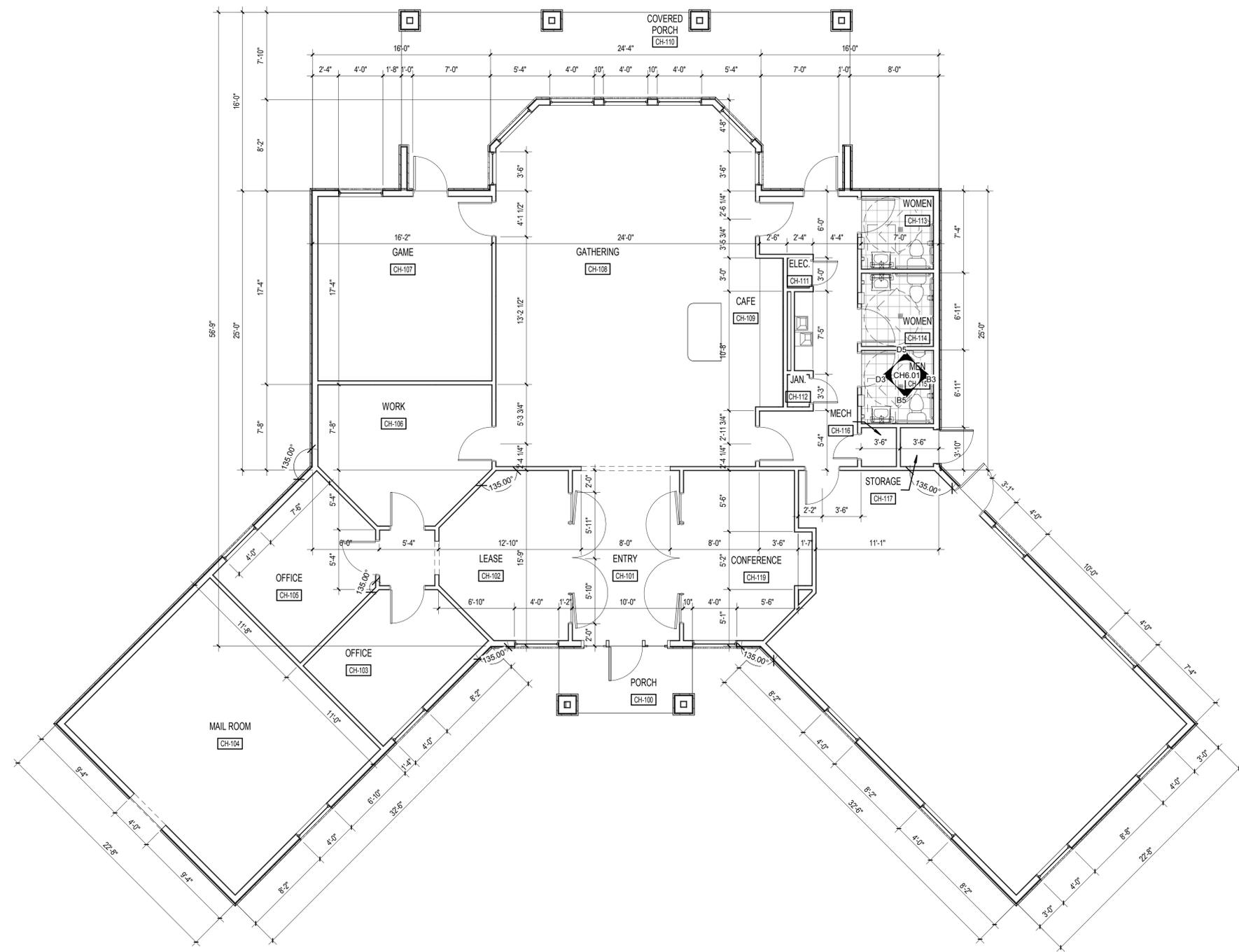
SUMMER BAY APTS. II
LAKE COUNTY, FL

CLUBHOUSE LIFE SAFETY PLANS

CH0.05

GENERAL NOTES:

1. OVERALL PLAN DIMENSIONS ARE FROM OUTSIDE FACE OF STUD OR FACE OF MASONRY. ALL WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING. UNLESS NOTED OTHERWISE.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
3. REFER TO REFLECTED CEILING PLANS FOR R.C.P. INFORMATION.
4. SEE CIVIL PLANS FOR ACTUAL FINISH FLOOR ELEVATIONS.
5. VERIFY EXACT LOCATION AND FIRE EXTINGUISHERS TYPE WITH FIRE OFFICIALS.
6. INSULATION - SEE SPECIFICATIONS FOR SCHEDULE OF INSULATION VALUES.
7. ALL VINYL, TILE, AND HARD SURFACE FLOORING AREAS TO HAVE 3/4" GYPSUM FLOOR TOPPING UNDERLAYMENT OVER 5mm SOUND INSULATION. WHERE CARPET AREAS ARE LOCATED, INCREASE GYPSUM FLOOR TOPPING TO 1" IN THICKNESS TO FLUSH OUT AT HARD SURFACE AREAS.
8. SEE A7.00 SERIES SHEETS FOR DOOR & WINDOW INFORMATION.
9. DOOR THRESHOLD TO MEET ADA ACCESSIBILITY REQUIREMENTS. GC TO COORDINATE FINISH WALKWAY SURFACE W/ HARDSCAPE/LANDSCAPE DWGS. TYPICAL.



PERMIT REVIEW STAMP

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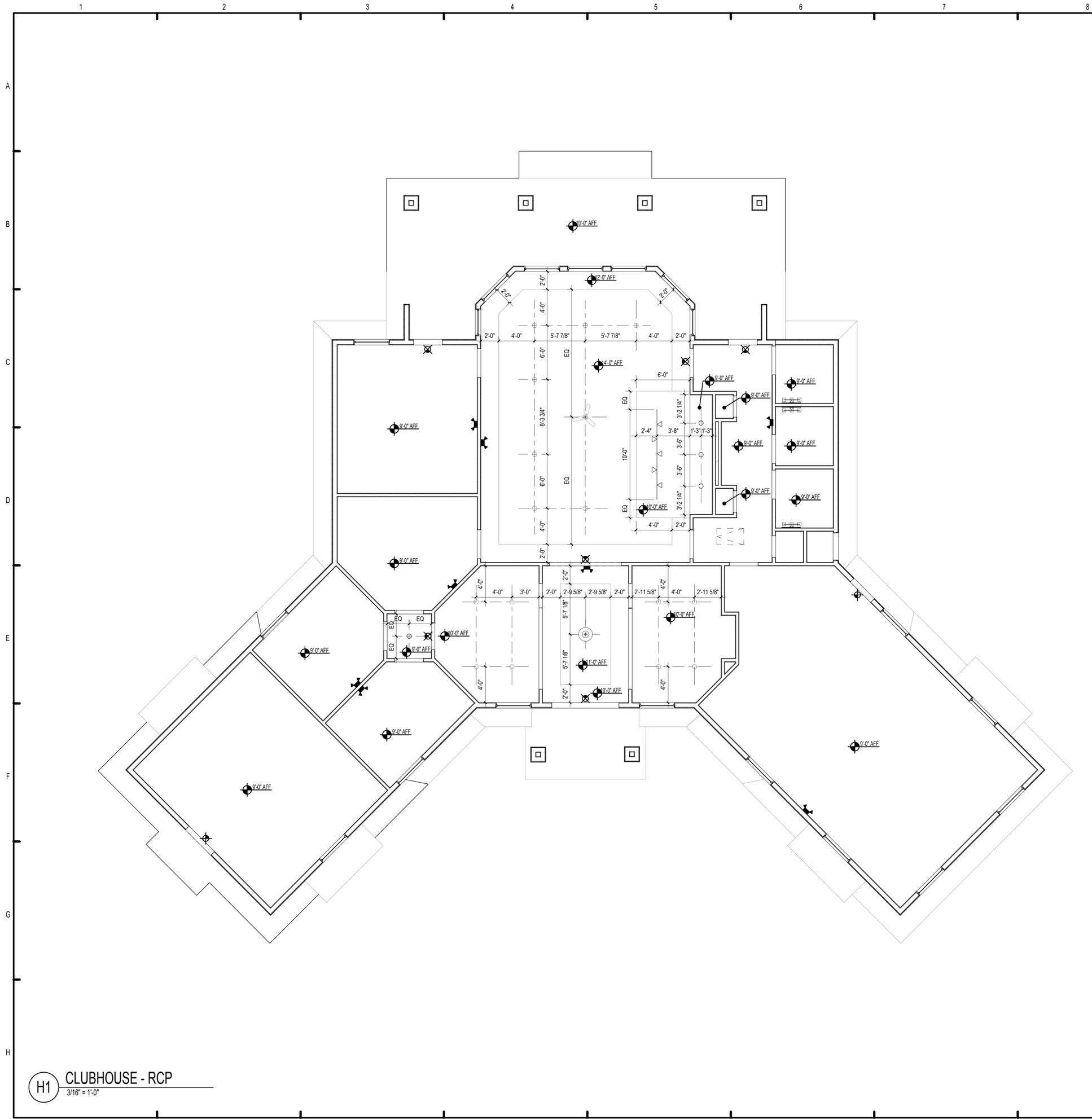
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**SUMMER BAY
APTS. II**
LAKE COUNTY, FL

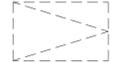
**CLUBHOUSE DIMENSION
PLAN**

CH2.02

H1 CLUBHOUSE - DIMENSION PLAN
3/16" = 1'-0"



LEGEND:

-  2' x 2' SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE (SEE ELECTRICAL)
-  SUPPLY AIR GRILLE (SEE MECHANICAL)
-  RETURN AIR GRILLE (SEE MECHANICAL)
-  RECESSED CAN LIGHT FIXTURE (SEE ELECTRICAL)
-  PENDANT LIGHT FIXTURE
-  52" TYP. SUSPENDED CEILING FAN (SEE ELECTRICAL)
-  EXIT SIGN
-  TRACK LIGHTING
-  EMERGENCY LIGHT
-  ATTIC ACCESS

ISSUE HISTORY

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REVISION HISTORY

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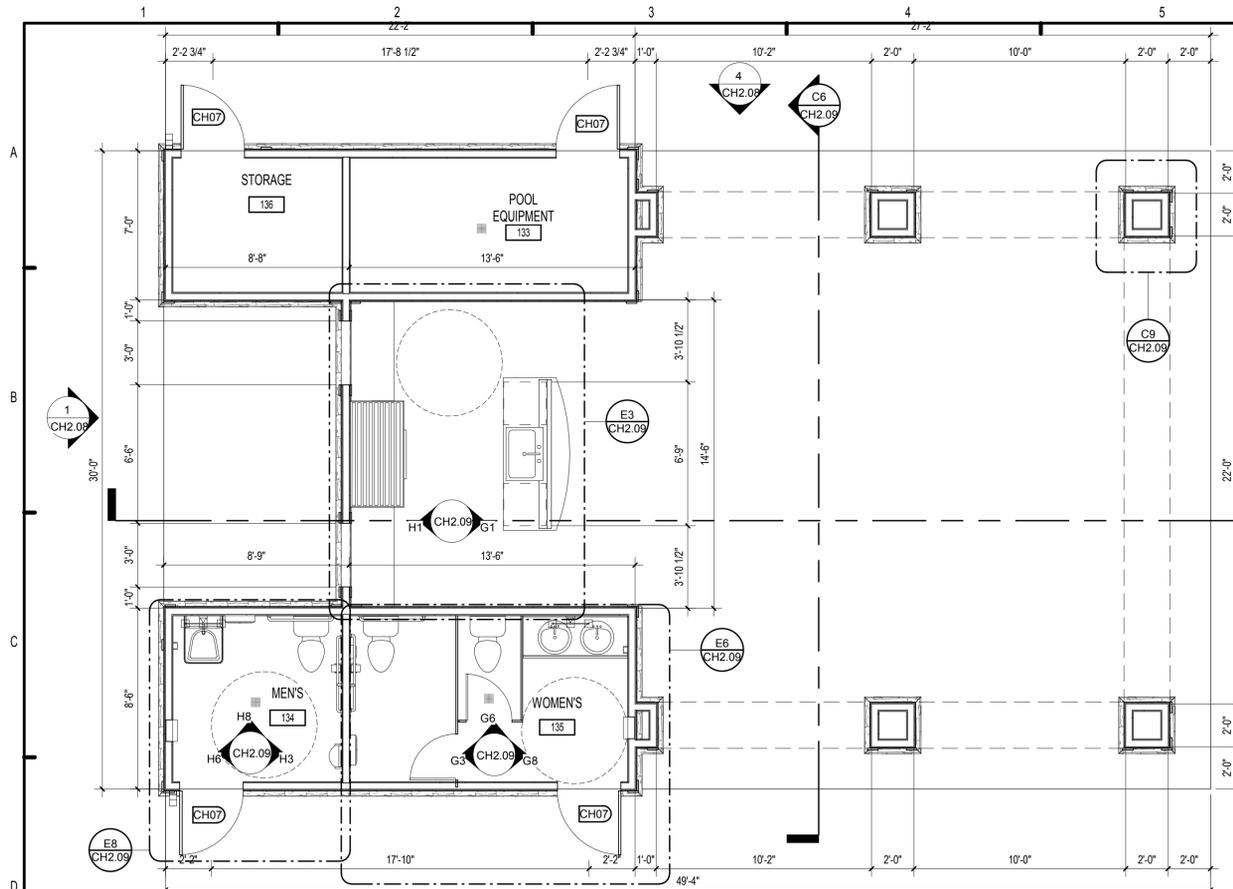
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APTS. II**
LAKE COUNTY, FL

CLUBHOUSE RCP

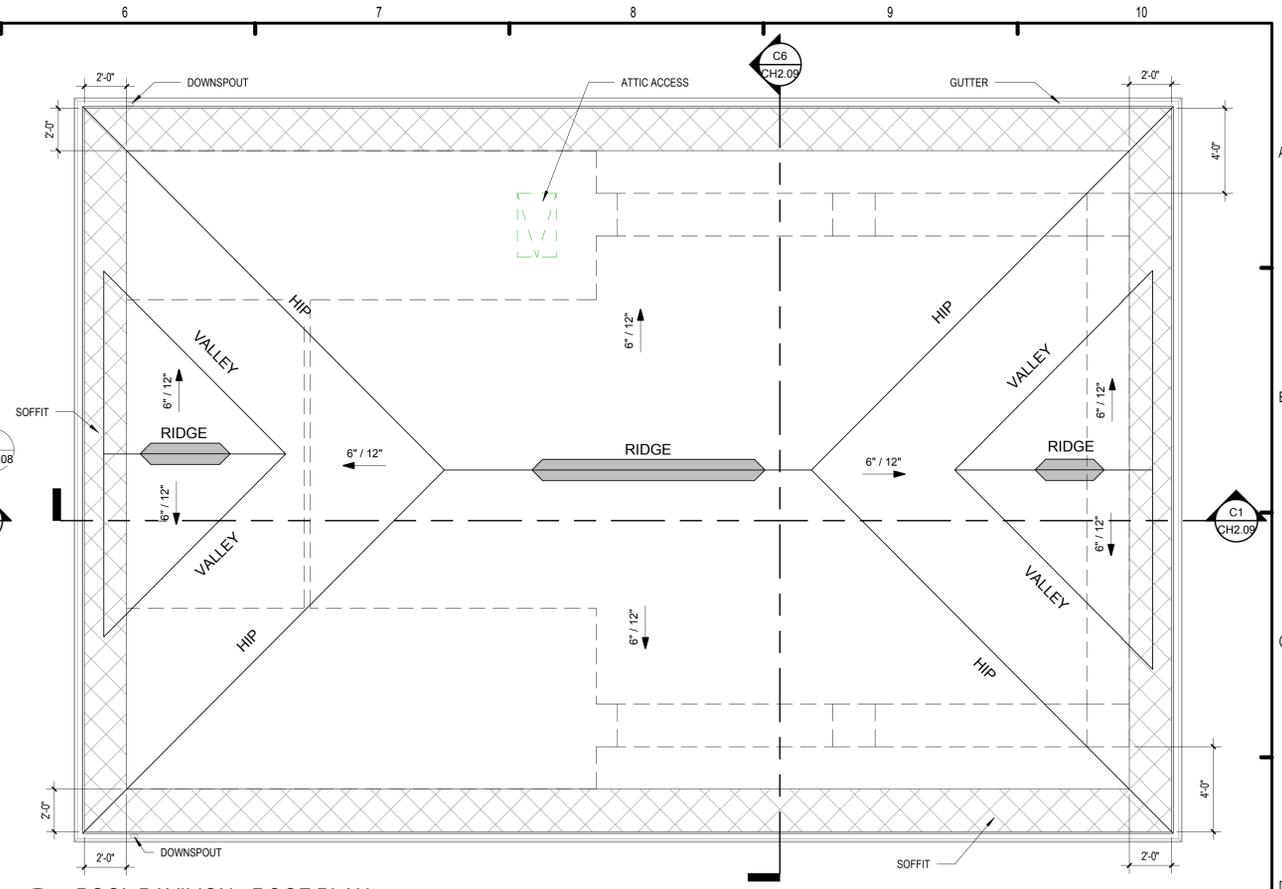
CH2.03

H1 CLUBHOUSE - RCP
3/16" = 1'-0"

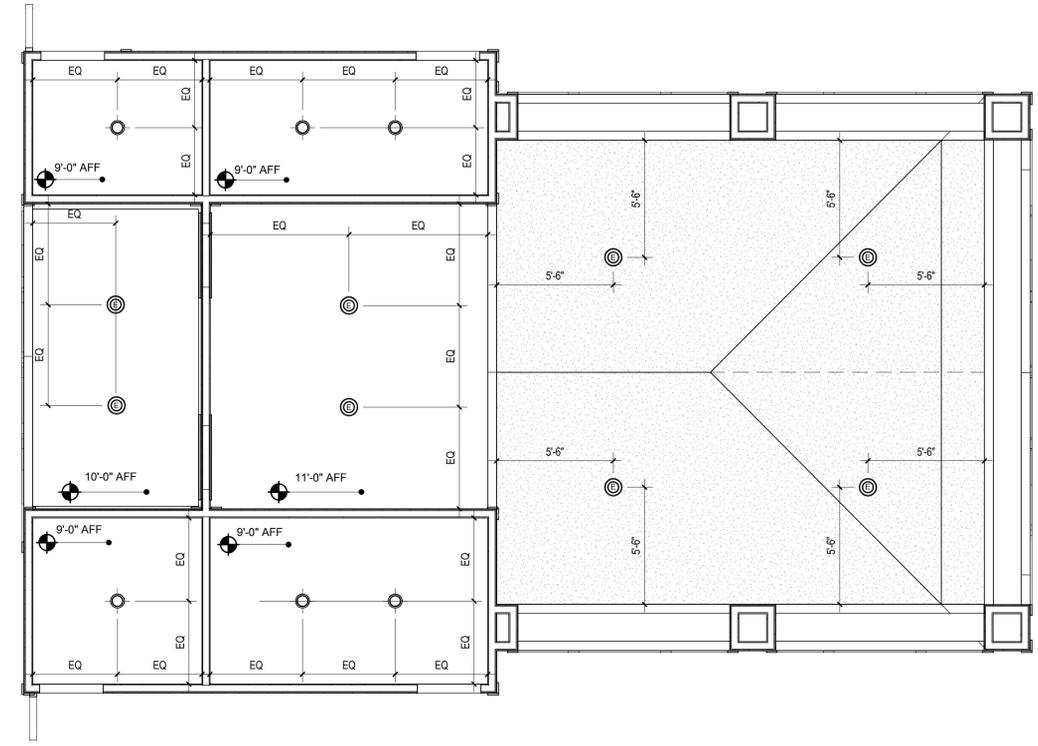
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D1 POOL PAVILION - FLOOR PLAN
1/4" = 1'-0"



D6 POOL PAVILION - ROOF PLAN
1/4" = 1'-0"



H1 POOL PAVILION - RCP
1/4" = 1'-0"

VENTILATION SCHEDULE		
ROOF VENT	MFGR & MODEL #	FREE AREA
RIDGE VENT 2@ 8FT	CORA-A-VENT V-600E	0.14 SQ. FT

ATTIC VENT CALCULATION		AREA "A"
	REQUIRED	PROVIDED
-TOTAL ROOF AREA	1,763 SF	
-PER FBC 2010 (1/300)	X .0033	
-VENTILATED AREA	5.82SF	
-TOTAL SOFFIT LINEAR FOOT		162 LF
-OPENING NET VENTILATION		X .062 SF
-NET FREE AREA	2.91 SF (50%)	10.04SF
-NET RIDGE VENT AREA		21 LIN. FT.
-NUMBER OF VENTS (3)		X 0.14 SQ. FT.
-NET FREE AREA	2.91 SF (50%)	2.94 SF
TOTAL VENTILATED AREA	5.82 SF	12.98 SF

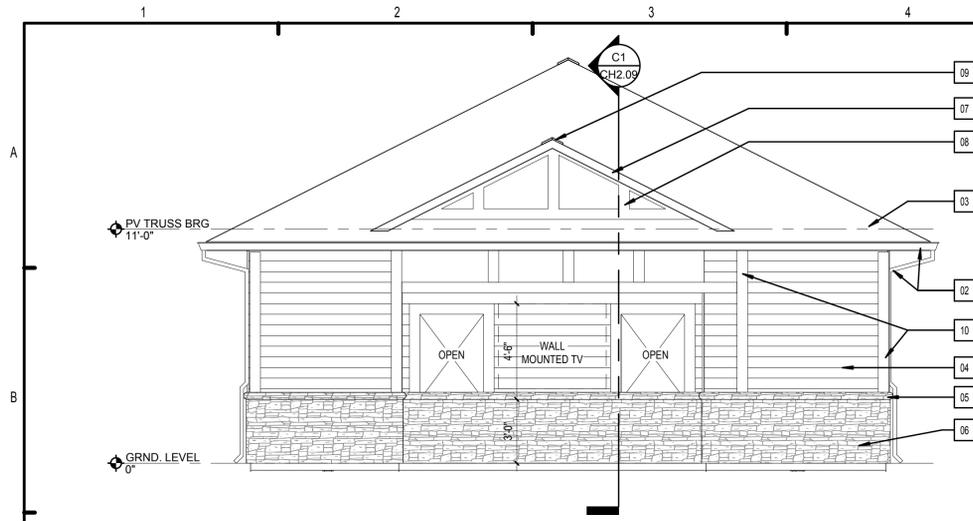
ISSUE HISTORY		
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No.	Date	Description

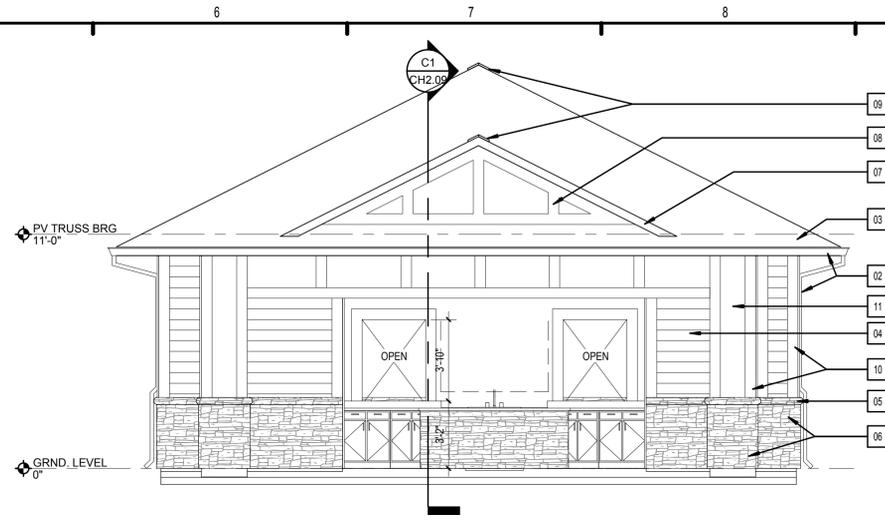
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SUMMER BAY APTS. II LAKE COUNTY, FL		Drawn: Author Check: Checker Approval: Approver Date: Issue Date Project #: 5389
POOL PAVILION PLANS AND RCP		
CH2.07		



1 POOL BUILDING - REAR ELEVATION
1/4" = 1'-0"

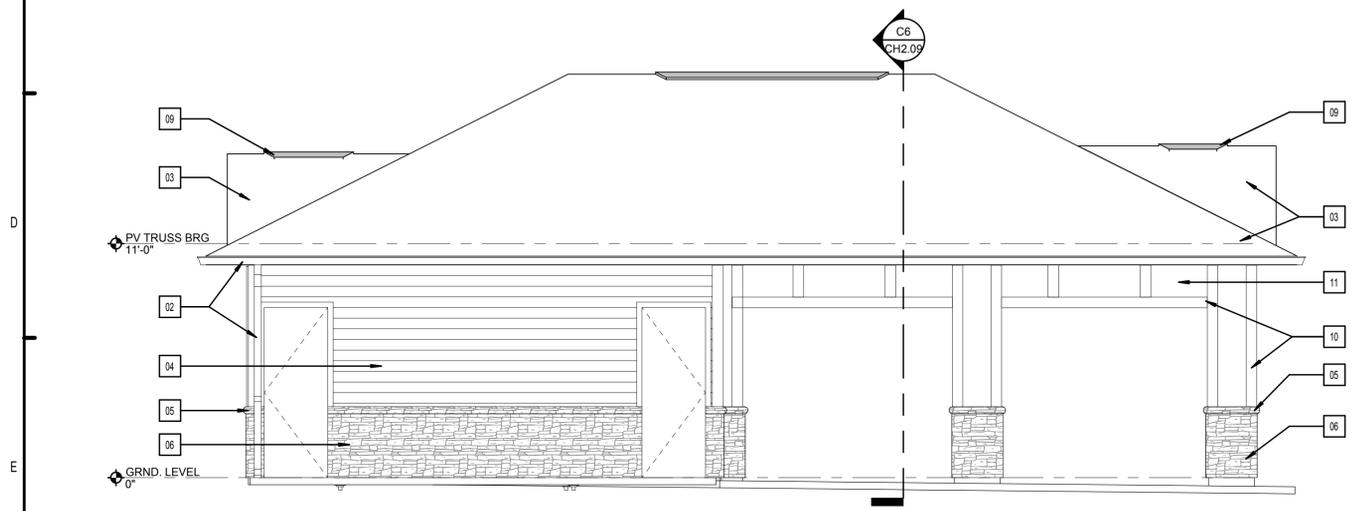


2 POOL PAVILION - FRONT ELEVATION
1/4" = 1'-0"

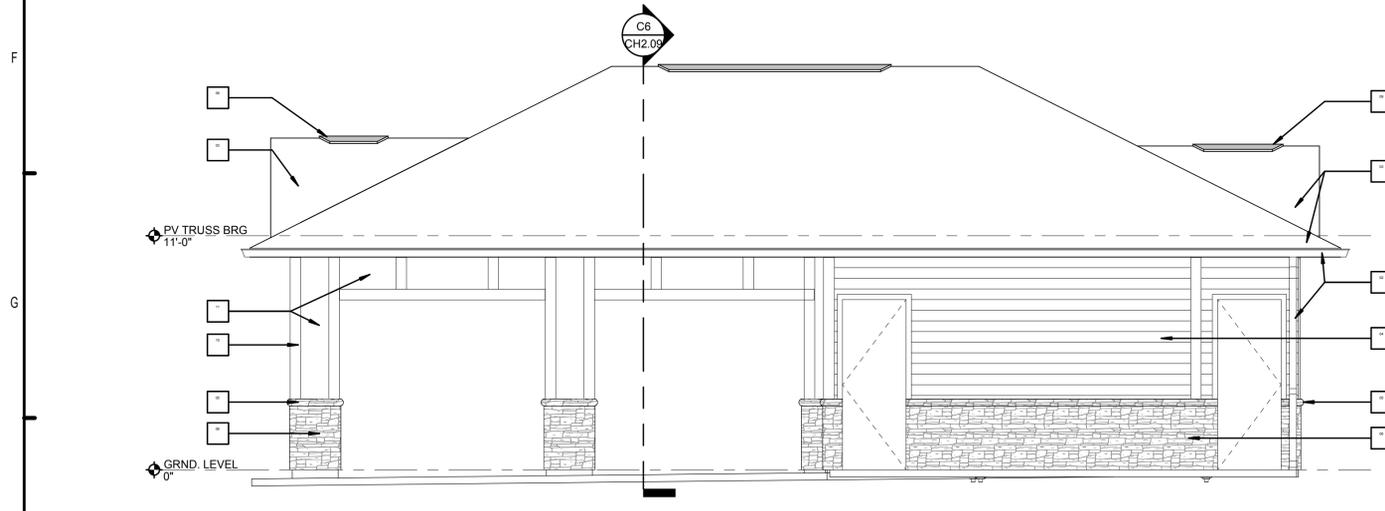
EXTERIOR NOTES:

1. VERIFY IDENTIFICATION REQUIREMENTS WITH FIRE MARSHAL (SIGNAGE BY OTHERS). BUILDING ADDRESS SHALL BE VISIBLE FROM THE ROAD IN COLORS THAT ARE SUFFICIENT CONTRAST TO BE EASILY SEEN. THE NUMBERS SHALL BE ARABIC NUMERALS NOT LESS THAN 6" IN HEIGHT.
2. ALUMINUM GUTTERS AND DOWNSPOUTS REQUIRED AS INDICATED. PROVIDE SHOP DRAWINGS FOR APPROVAL. ROOF DRAINAGE AT BUILDING ENTRANCES SHALL BE PIPED AWAY FROM PEDESTRIAN TRAFFIC AREAS. ALL OTHER DOWNSPOUT TO TERMINATE AT SPLASH BLOCKS ALL DOWN SPOUT AND GUTTER ATTACHMENTS TO BE SET IN SEALANT.
3. FIBERGLASS SHINGLES - REFER TO SPECS.
4. FIBER CEMENT SIDING.
5. PRECAST WATERTABLE.
6. STONE VENEER.
7. FIBER CEMENT FASCIA.
8. FIBER CEMENT TRIMBOARD PANEL.
9. ROOF RIDGE VENT. PAINT TO MATCH ROOF SHINGLES.
10. 1 X 6 FIBER CEMENT TRIM.
11. 5/16" FIBER CEMENT PANEL.

ELEVATION NOTES-POOL PAVILION
3/32" = 1'-0"



3 POOL PAVILION - LEFT SIDE ELEVATION
1/4" = 1'-0"



4 POOL PAVILION - RIGHT SIDE ELEVATION
1/4" = 1'-0"

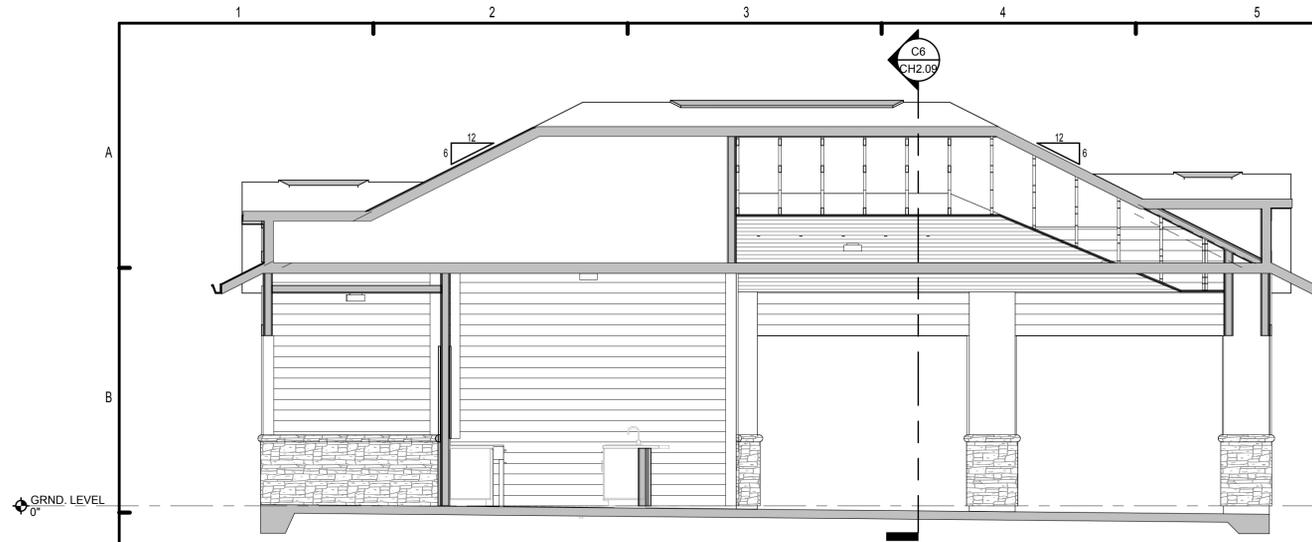
ISSUE HISTORY		
No.	Date	Description
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2	11/10/2017	75%-90% REVIEW COORD. SET
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REVISION HISTORY		
No.	Date	Description

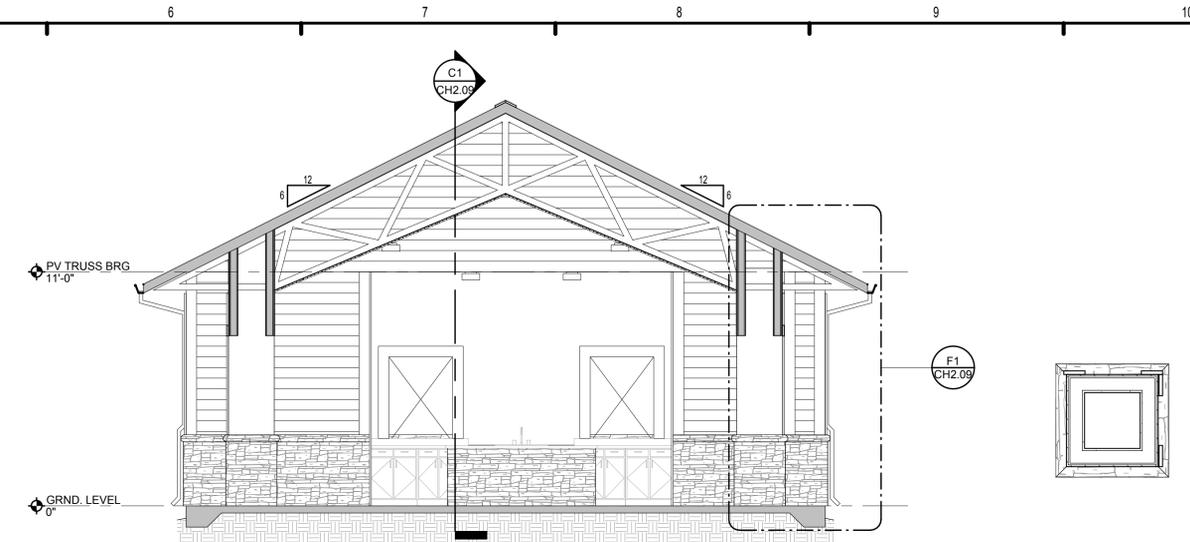

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SUMMER BAY APTS. II LAKE COUNTY, FL	Drawn: Author Check: Checker Approval: Approver Date: Issue Date Project #: 5389
POOL PAVILLION ELEVATIONS	
CH2.08	



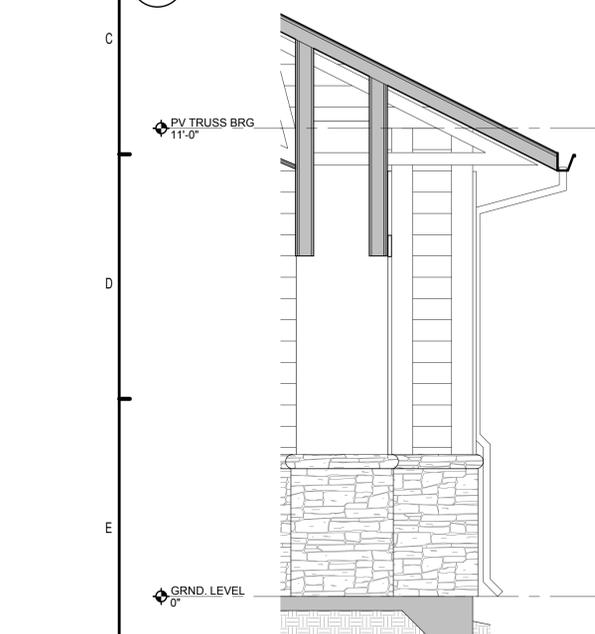
C1 POOL PAVILION - BUILDING SECTION A
1/4" = 1'-0"



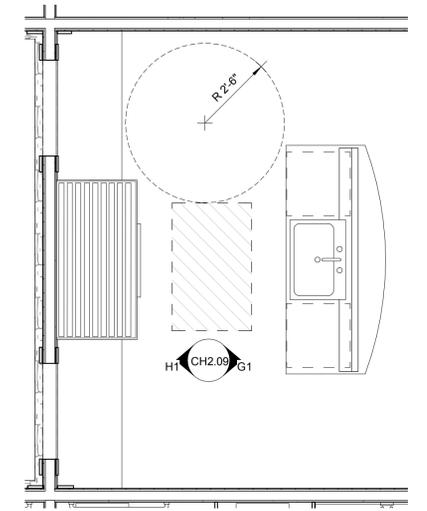
C6 POOL PAVILION - BUILDING SECTION B
1/4" = 1'-0"

C9 COLUMN DETAIL
1/2" = 1'-0"

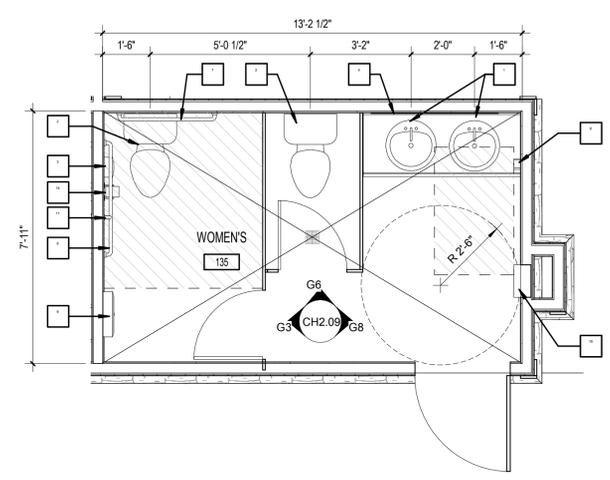
- NOTES:**
- LAVATORY
 - WATER CLOSET
 - SANITARY NAPKIN DISPENSER
 - FRAMED MIRROR @ 40" A.F.F.
 - SURFACE MOUNTED LIGHT FIXTURE
 - SURFACE MOUNTED SOAP DISPENSER
 - 36" STAINLESS STEEL GRAB BAR
 - 42" STAINLESS STEEL GRAB BAR
 - SURFACE MOUNTED TOILET SEAT COVER
 - PAPER TOWEL DISPENSER
 - VERTICAL GRAB BAR
 - URINAL
 - WALL EMERGENCY LIGHT
 - TOILET PAPER DISPENSER
 - WASTE RECEPTACLE
 - FLOOR DRAIN



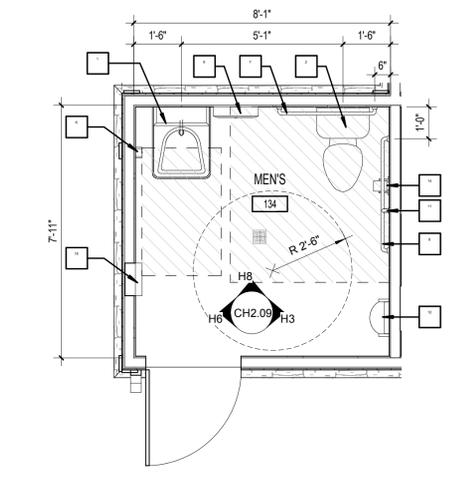
F1 POOL PAVILION - WALL SECTION
1/2" = 1'-0"



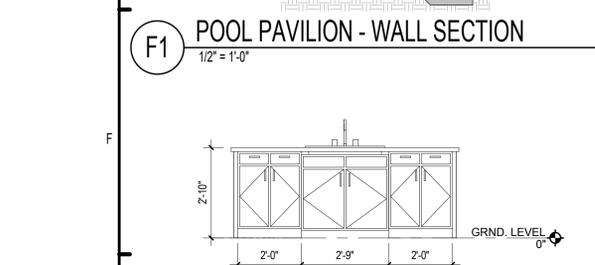
E3 ENLARGED KITCHEN PLAN
3/8" = 1'-0"



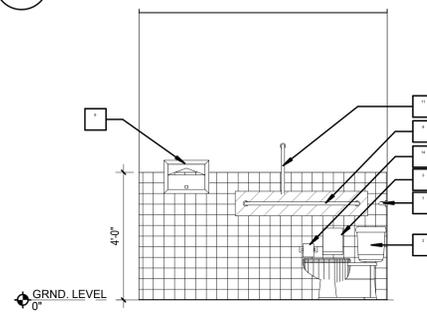
E6 POOL PAVILION ENLARGED WOMENS FLOOR PLAN
3/8" = 1'-0"



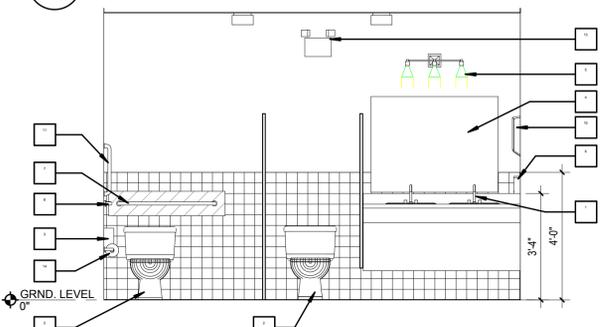
E8 POOL PAVILION ENLARGED MENS FLOOR PLAN
3/8" = 1'-0"



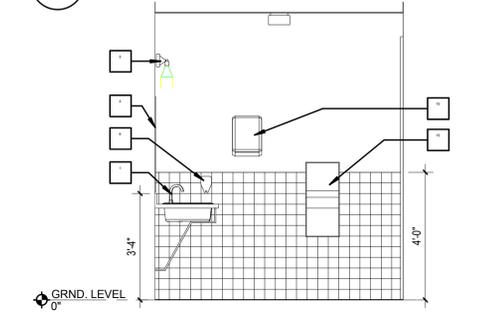
G1 POOL PAVILION - ISLAND ELEVATION
3/8" = 1'-0"



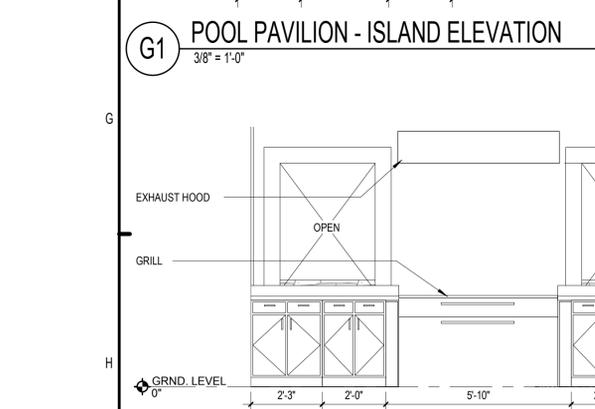
G3 WOMENS INTERIOR ELEVATION A
3/8" = 1'-0"



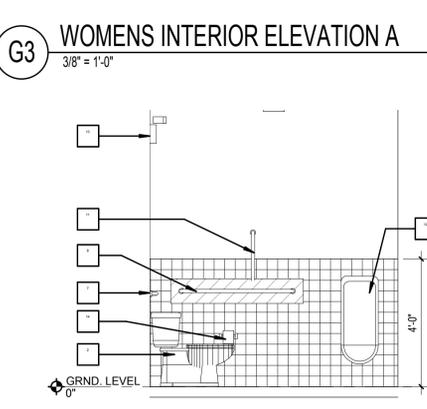
G6 WOMENS INTERIOR ELEVATION B
3/8" = 1'-0"



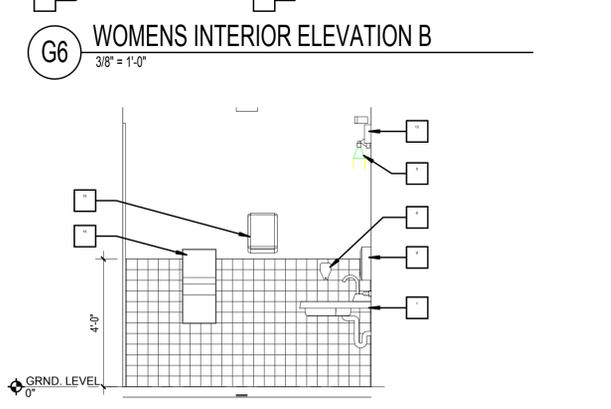
G8 WOMENS INTERIOR ELEVATION C
3/8" = 1'-0"



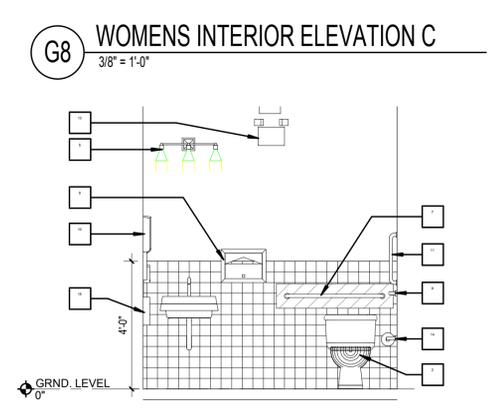
H1 POOL PAVILION - INTERIOR ELEVATION
3/8" = 1'-0"



H3 MENS INTERIOR ELEVATION A
3/8" = 1'-0"



H6 MENS INTERIOR ELEVATION B
3/8" = 1'-0"



H8 MENS INTERIOR ELEVATION C
3/8" = 1'-0"

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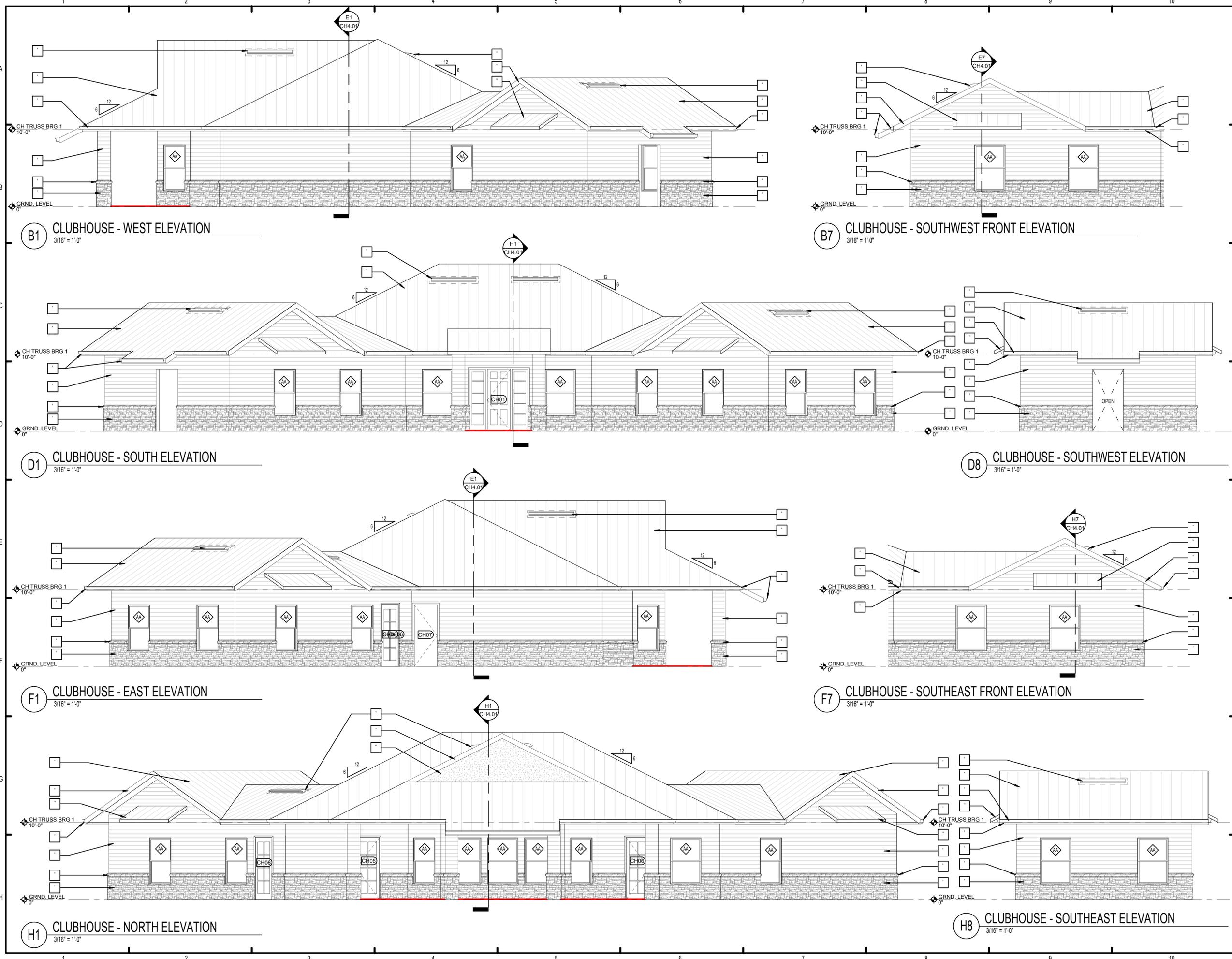
MICHAEL E. GOVE
FLORIDA LICENSE # AR84111

Drawn:	Author
Checked:	Checker
Approved:	Approver
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Project #:	5389

**SUMMER BAY
APTS. II**
LAKE COUNTY, FL

**POOL PAVILION SECTIONS
AND DETAILS**

CH2.09



ELEVATION NOTES:

1. BUILDING FIRE SIGN - SIGN TO BE LOCATED ON FRONT OF BUILDING ONLY - SEE SITE PLAN FOR BUILDING ORIENTATION.
2. VERIFY IDENTIFICATION REQUIREMENTS WITH FIRE MARSHAL (SIGNAGE BY OTHERS). BUILDING ADDRESS SHALL BE VISIBLE FROM THE ROAD IN COLORS THAT ARE SUFFICIENT CONTRAST TO BE EASILY SEEN. THE NUMBERS SHALL BE ARABIC NUMERALS NOT LESS THAN 6" IN HEIGHT.
3. ALUMINUM GUTTERS AND DOWNSPOUTS REQUIRED AS INDICATED. PROVIDE SHOP DRAWINGS FOR APPROVAL. ROOF DRAINAGE AT BUILDING ENTRANCES SHALL BE PIPED AWAY FROM PEDESTRIAN TRAFFIC AREAS. ALL OTHER DOWNSPOUTS TO TERMINATE AT SPLASH BLOCKS. ALL DOWN SPOUT AND GUTTER ATTACHMENTS TO BE SET IN SEALANT.
4. FIBERGLASS SHINGLES - REFER TO SPECS
5. FIBER CEMENT SIDING - 6" EXPOSURE
6. PRECAST WATERTABLE
7. STONE VENEER
8. FASCIA
9. ROOF RIDGE VENT, PAINT TO MATCH ROOF SHINGLES
10. 1 X 6 FIBER CEMENT TRIM
11. 5/16" FIBER CEMENT PANEL
12. PRECAST STONE CAP
13. FIBER CEMENT CORNER TRIM
14. DECORATIVE BRACKET
15. CANOPY

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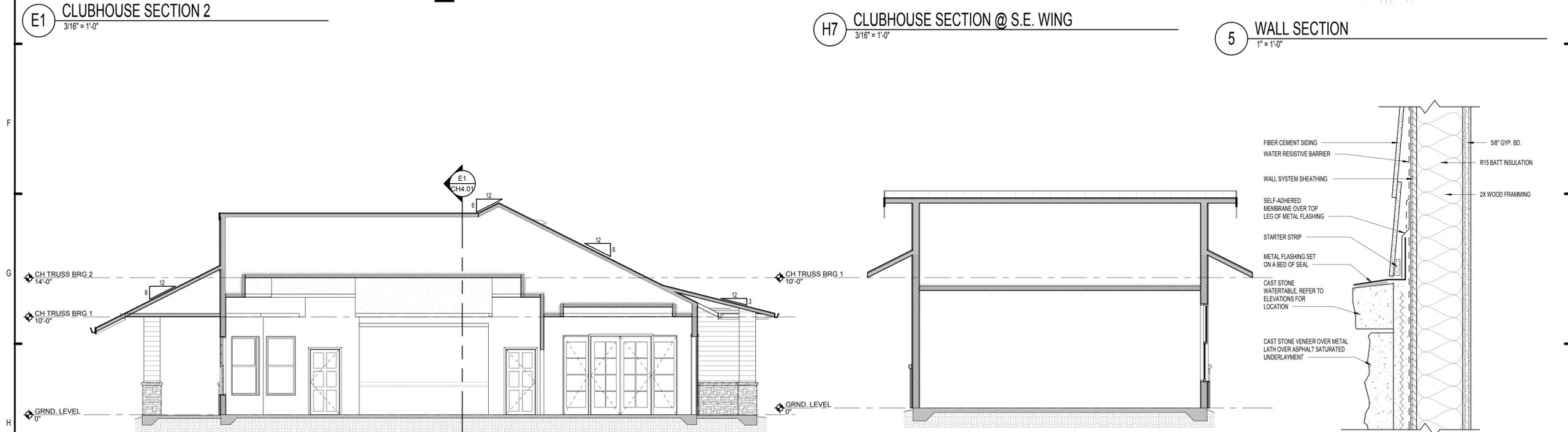
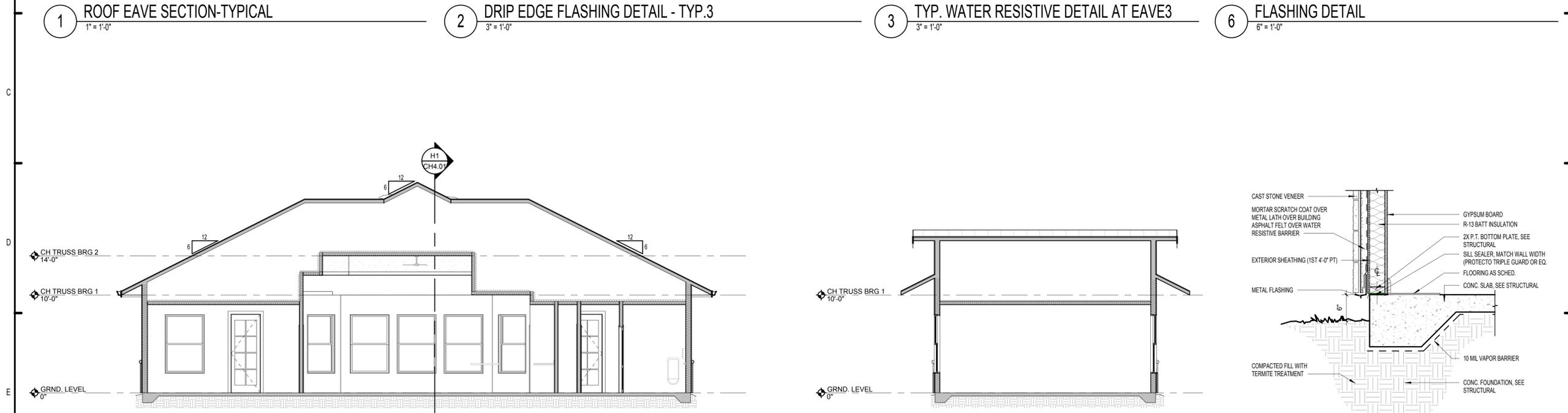
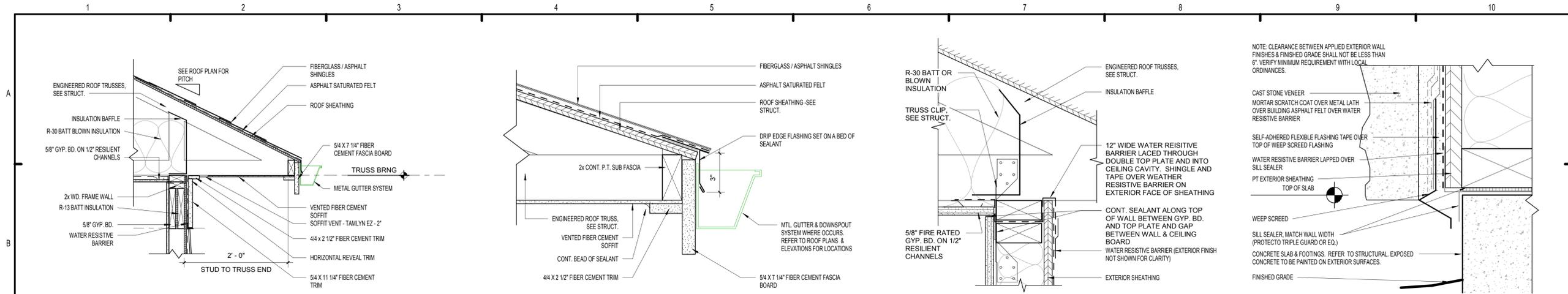
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SUMMER BAY APTS. II
LAKE COUNTY, FL

CLUBHOUSE ELEVATIONS

CH3.01



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ISSUE HISTORY		
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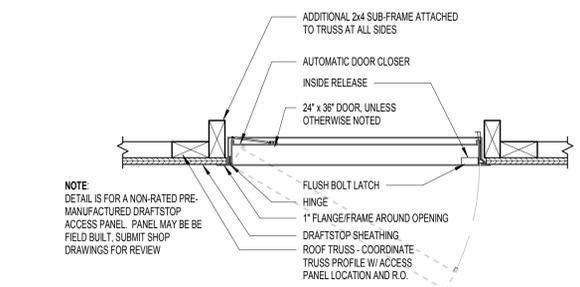
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LAKE COUNTY, FL

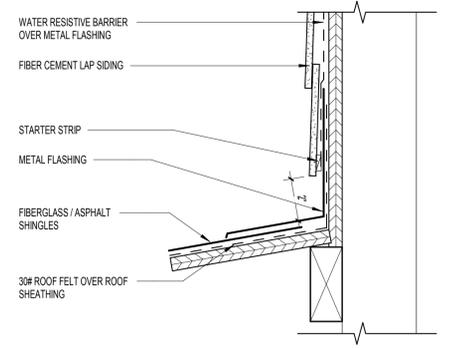
CLUBHOUSE BUILDING SECTIONS

CH4.01

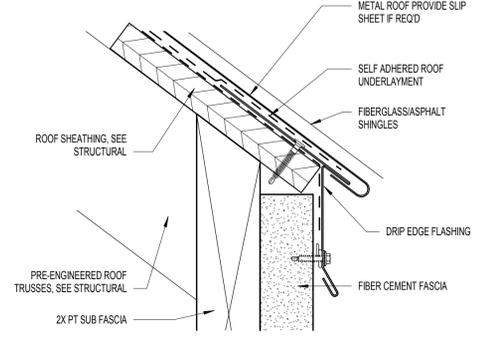
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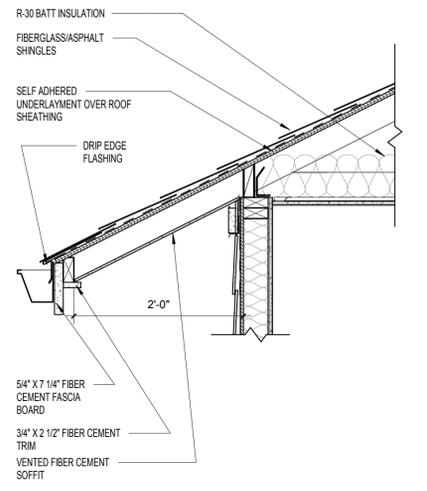
1 DRAFTSTOP ACCESS DOOR
 1 1/2" = 1'-0"



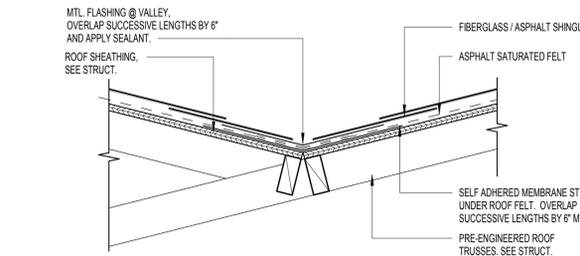
5 FLASHING - SHINGLES TO SIDING
 3" = 1'-0"



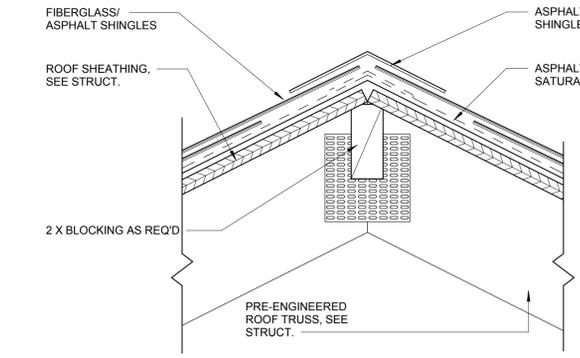
9 DRIP EDGE FLASHING DETAIL
 6" = 1'-0"



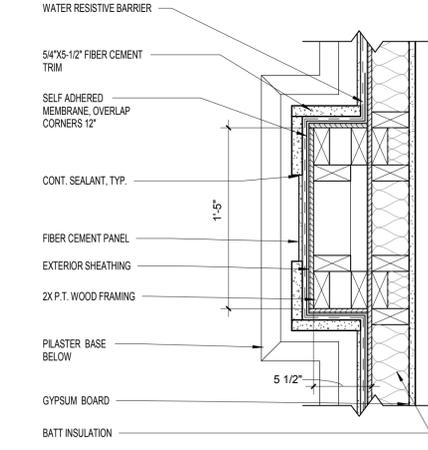
14 EXTERIOR ROOF SECTION
 1" = 1'-0"



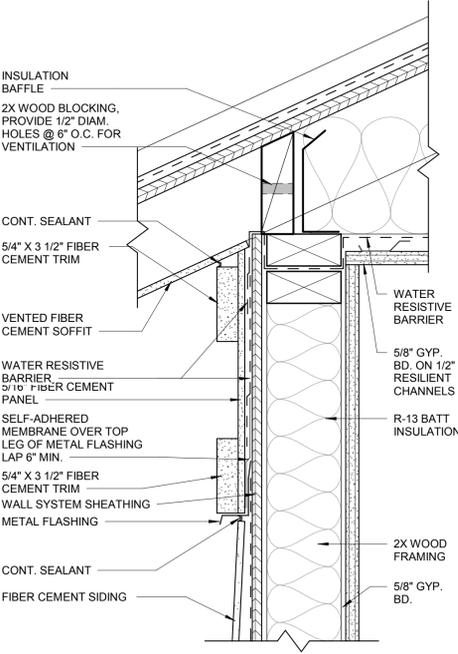
4 ROOF VALLEY - SHINGLE ROOF
 1 1/2" = 1'-0"



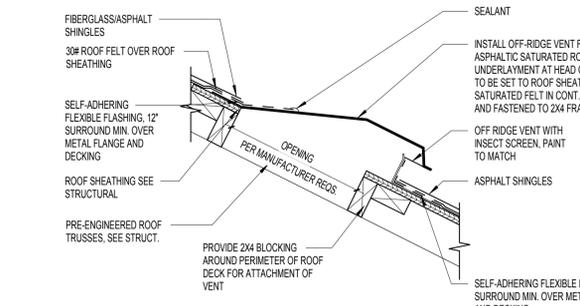
6 ROOF RIDGE DETAIL
 3" = 1'-0"



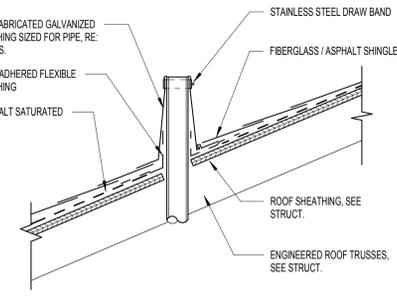
10 PILASTER DETAIL
 1 1/2" = 1'-0"



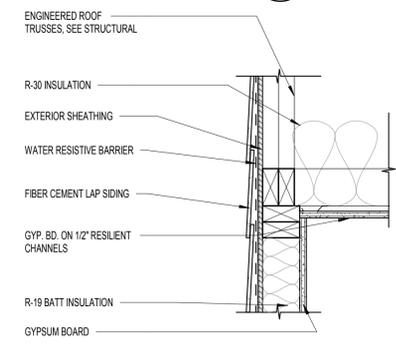
15 TOP OF WALL TRIM
 3" = 1'-0"



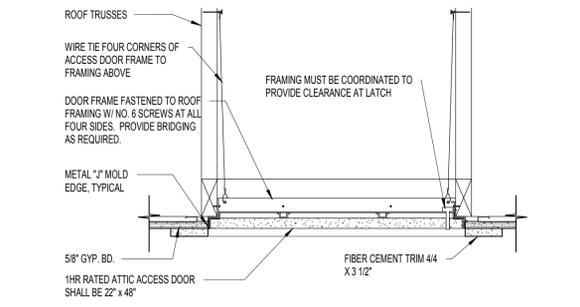
2 OFF-RIDGE ROOF DET.1
 1 1/2" = 1'-0"



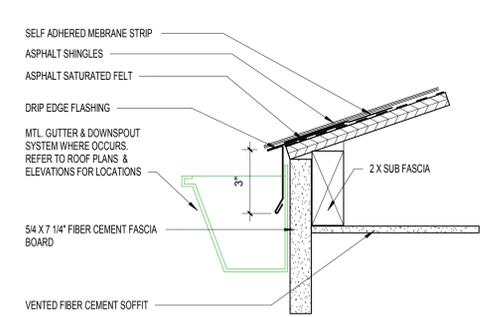
7 ROOF DETAIL PIPE PENETRATION
 1 1/2" = 1'-0"



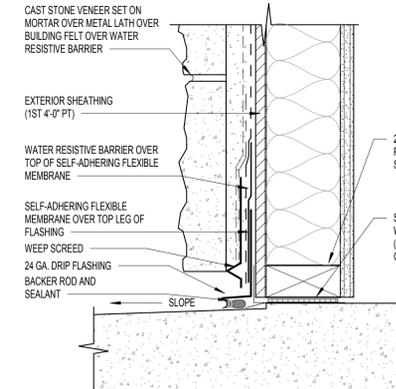
11 CEILING DETAIL
 1 1/2" = 1'-0"



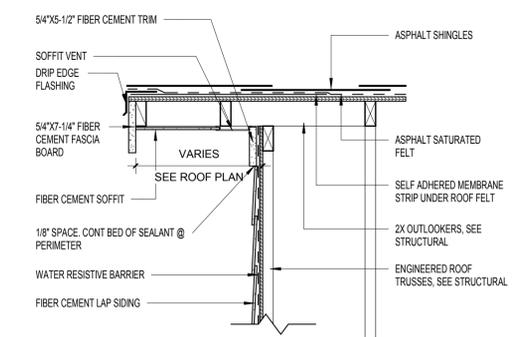
3 ATTIC ACCESS DETAIL (RATED)
 1 1/2" = 1'-0"



8 EAVE FLASHING DETAIL
 3" = 1'-0"



12 FLASHING DETAIL @ FOUNDATION
 3" = 1'-0"



13 GABLE END DETAIL
 1" = 1'-0"

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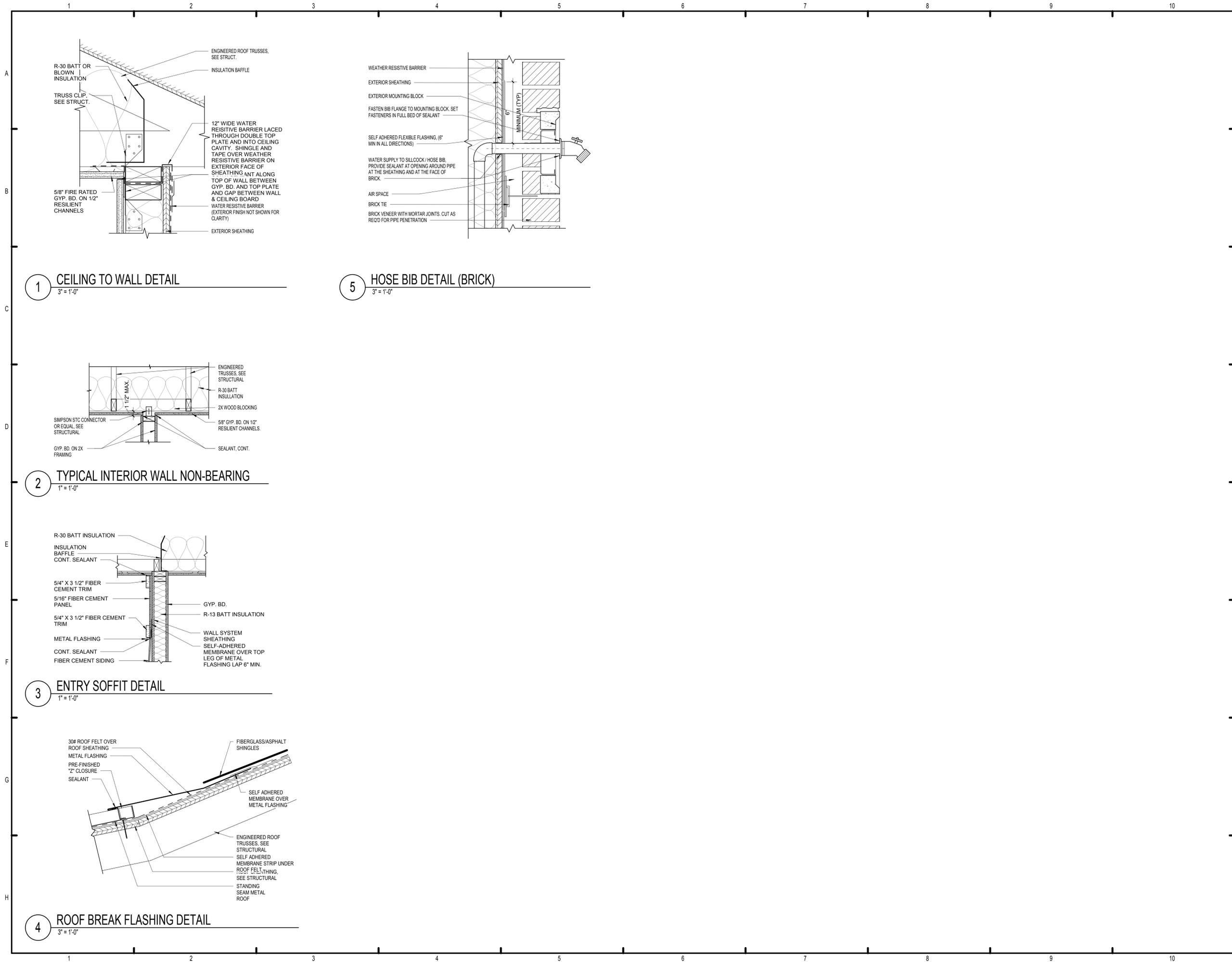
MICHAEL E. GOVE
 FLORIDA LICENSE # AR84111

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Project #:	5389

SUMMER BAY APTS. II
 LAKE COUNTY, FL

DETAILS

CH4.02



PERMIT REVIEW STAMP

ISSUE HISTORY		
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1	7/21/2017	50% DESIGN DEVELOPMENT SET
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3	12/20/2017	100% PERMIT SET

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FLORIDA LICENSE # AR84111

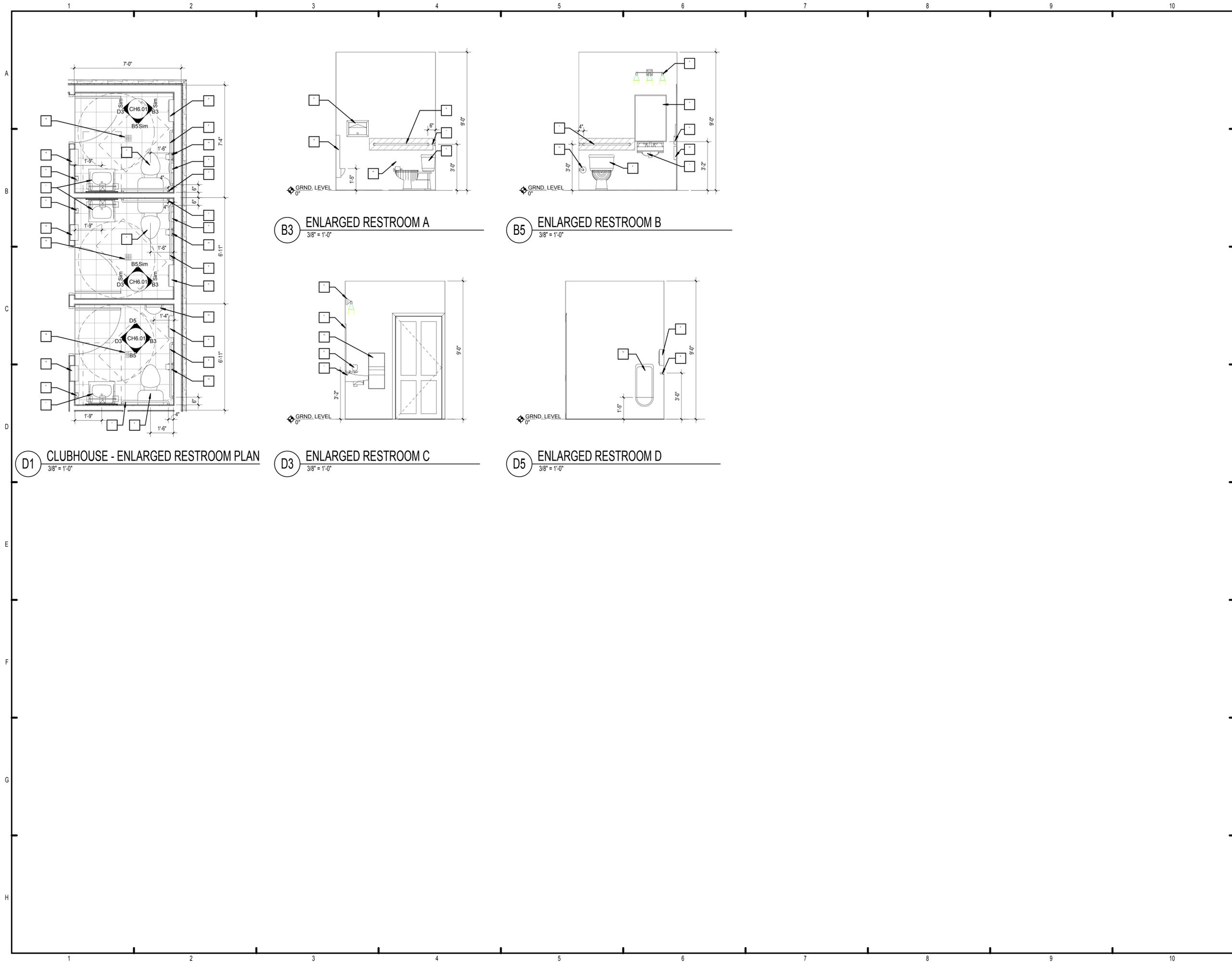
SUMMER BAY APTS. II LAKE COUNTY, FL	Drawn: _____	Author
	Checked: _____	Checker
	Approved: _____	Approver
	Date: _____	Issue Date
Project #		5389

DETAILS

CH4.03

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D1 CLUBHOUSE - ENLARGED RESTROOM PLAN
3/8" = 1'-0"

B3 ENLARGED RESTROOM A
3/8" = 1'-0"

B5 ENLARGED RESTROOM B
3/8" = 1'-0"

D3 ENLARGED RESTROOM C
3/8" = 1'-0"

D5 ENLARGED RESTROOM D
3/8" = 1'-0"

NOTES:

1. LAVATORY
2. WATER CLOSET
3. SANITARY NAPKIN DISPENSER
4. FRAMED MIRROR @ 40" A.F.F.
5. SURFACE MOUNTED LIGHT FIXTURE
6. SURFACE MOUNTED SOAP DISPENSER
7. 36" STAINLESS STEEL GRAB BAR
8. 42" STAINLESS STEEL GRAB BAR
9. SURFACE MOUNTED TOILET SEAT COVER
10. PAPER TOWEL DISPENSER
11. VERTICAL GRAB BAR
12. URINAL
13. WALL EMERGENCY LIGHT
14. TOILET PAPER DISPENSER
15. WASTE RECEPTACLE
16. FLOOR DRAIN

PERMIT REVIEW STAMP

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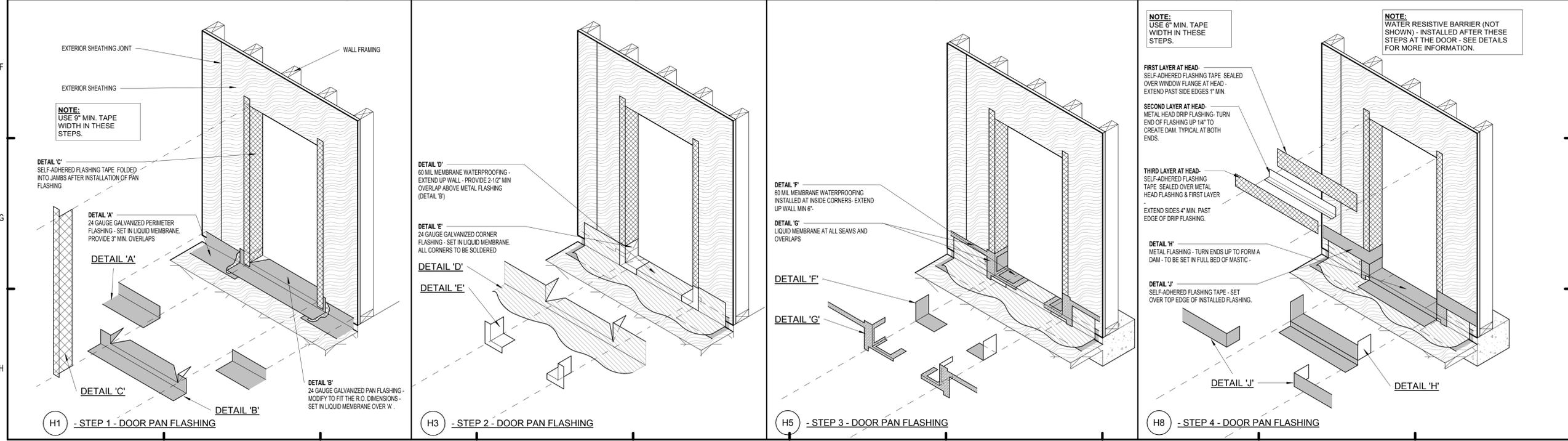
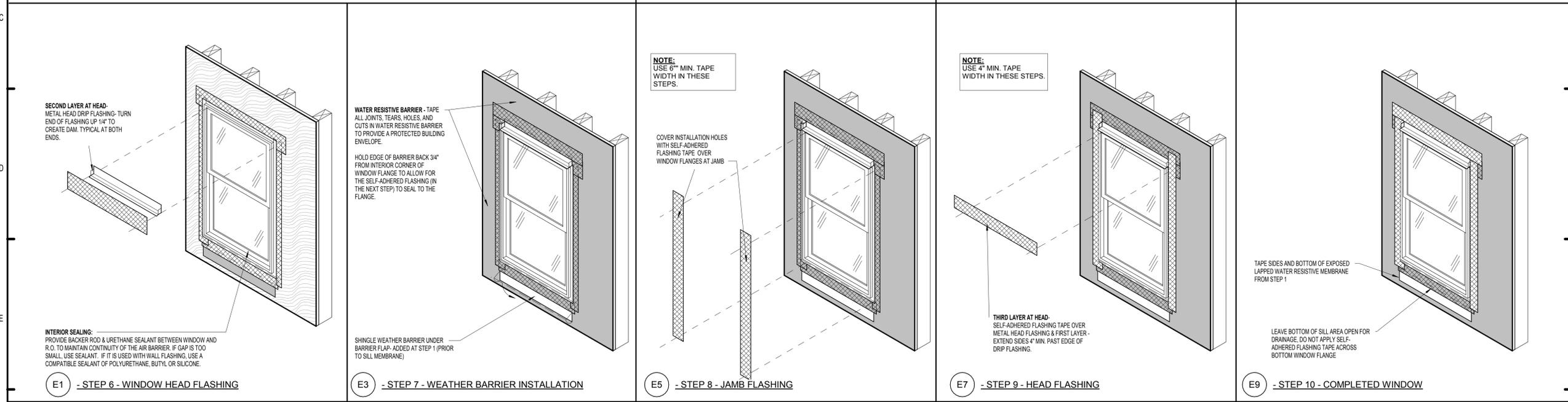
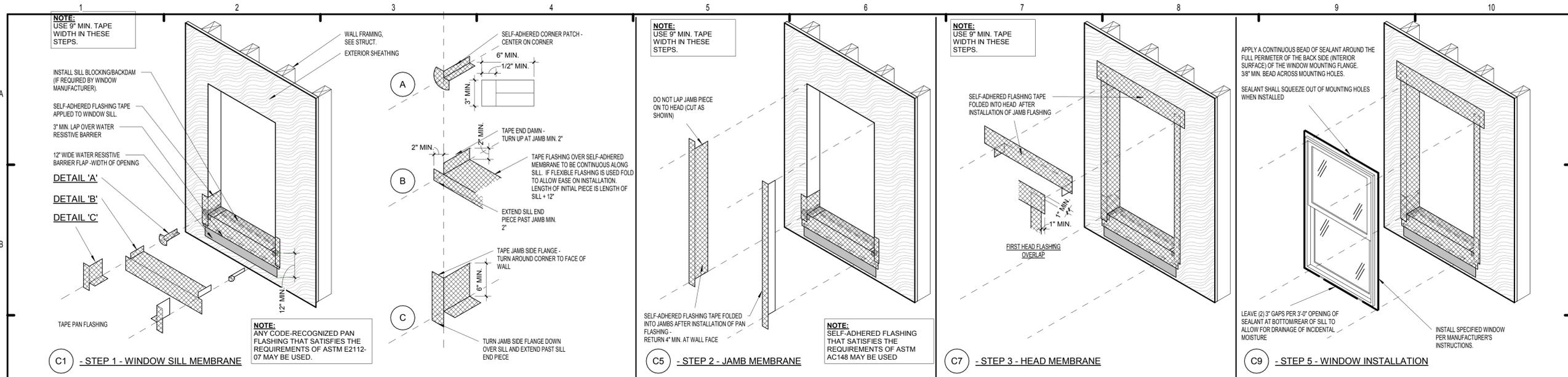
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FLORIDA LICENSE # ARS4111

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	<small>Approved: Approver</small>
	<small>Date: Issue Date</small>
	<small>Project #: 5389</small>

RESTROOM PLANS & INTERIOR ELEVATIONS

CH6.01



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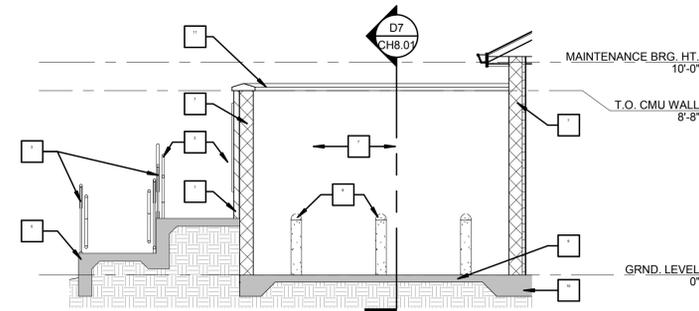
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Project #	5389

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LAKE COUNTY, FL

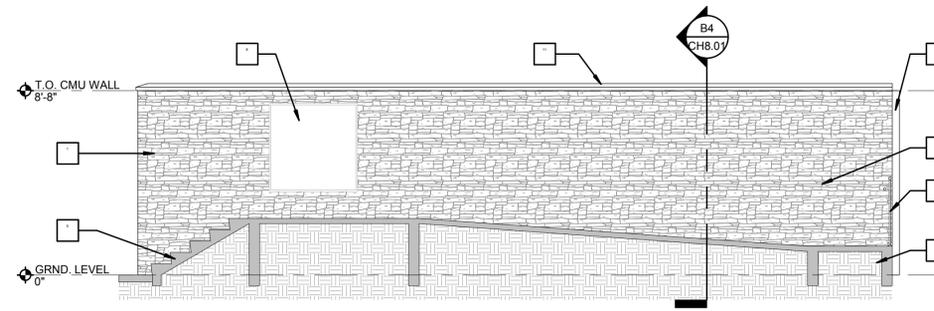
WINDOW AND DOOR TAPING PROCEDURES

CH7.03

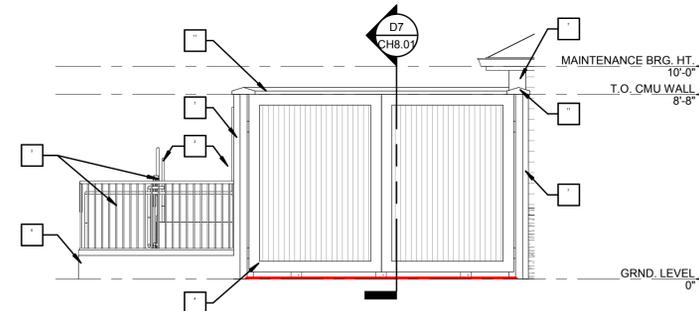
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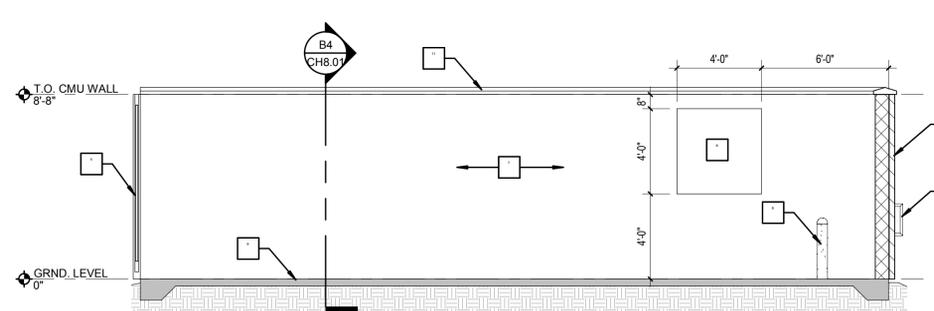
B4 TRASH ENCLOSURE - CROSS SECTION
1/4" = 1'-0"



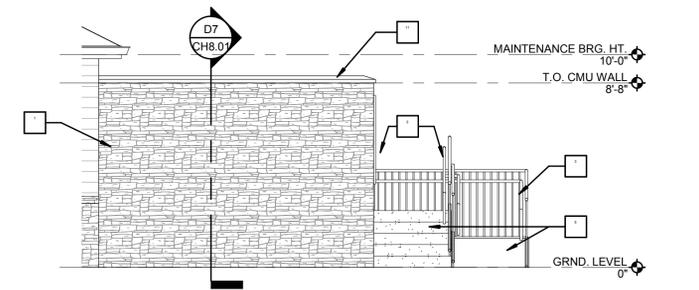
B7 TRASH ENCLOSURE - SECTION @ RAMP
1/4" = 1'-0"



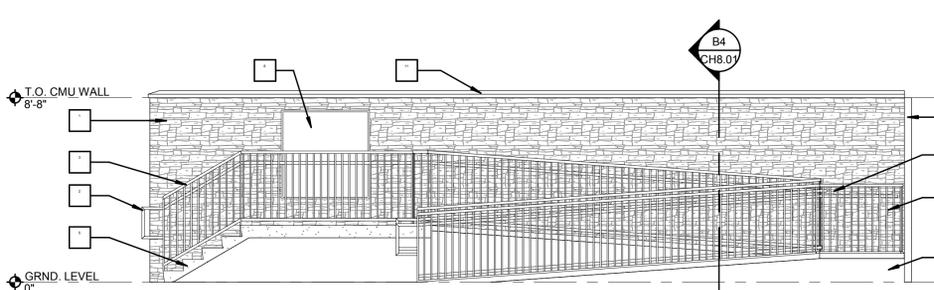
D4 TRASH ENCLOSURE - FRONT ELEVATION
1/4" = 1'-0"



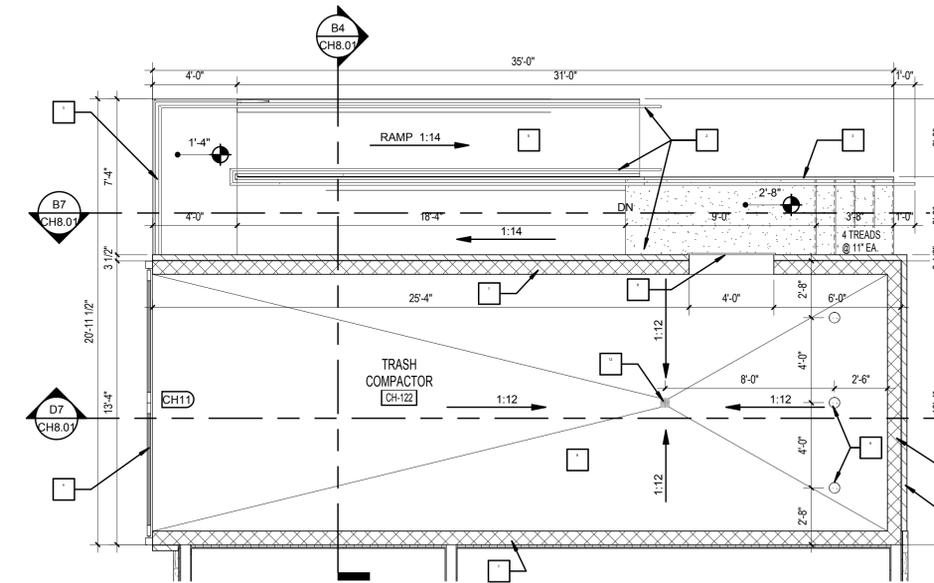
D7 TRASH ENCLOSURE - LONG SECTION
1/4" = 1'-0"



E4 TRASH ENCLOSURE - REAR ELEVATION
1/4" = 1'-0"



E7 TRASH ENCLOSURE - SIDE ELEVATION
1/4" = 1'-0"



H7 TRASH ENCLOSURE PLAN
1/4" = 1'-0"

KEY NOTES:

1. STONE VENER.
2. STEEL HANDRAIL - PAINTED.
3. STEEL GUARDRAIL - PAINTED.
4. ALUMINUM GATE - SEE DOOR SCHEDULE.
5. CAST-IN-PLACE CONCRETE - SEE STRUCTURAL.
6. CONCRETE BOLLARD - PAINTED.
7. CMU - PAINTED.
8. HOPPER DOOR - 40"x40" SECURITY DOOR WITH HANDLE AT 48" AFF.
9. CONCRETE SLAB - SEE STRUCTURE.
10. CONCRETE FOOTING - SEE STRUCTURAL.
11. PRECAST CONCRETE WALL CAP.
12. FLOOR DRAIN - SEE PLUMBING.

NOTE:
 * COORDINATE HOPPER DOOR OPENING SIZE AND LOCATION W/ TRASH COMPACTOR PROVIDER PRIOR TO INSTALLATION OF MASONRY.
 * COORDINATE OPENING FOR COMPACTOR W/ COMPACTOR PROVIDER PRIOR TO INSTALLATION OF MASONRY.

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**SUMMER BAY
APTS. II**

LAKE COUNTY, FL

TRASH ENCLOSURE

CH8.01

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Date:	Issue Date
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