

# PAIRED VILLAS

## PACIFIC/ HARBOR

(BLDG. CC, CE, EE)

PAD SIZE: 60'-0" X 70'-0"



REVISION SCHEDULE			
NO.	DATE	DESCRIPTION	BY
1	05-18-23	-NEW MASTER: PAIRED VILLAS (PACIFIC-GULF) CONFIGURATION	C.C.
2	06-19-23	-PSH MASTER REVISION FOR NEW PAIRED VILLAS	C.C.
3	07-17-23	-REVISED ENTRY WALL CMU BEARING HEIGHT LENGTH FROM 16'-0" TO 15'-8" PER TRUSS ENG.	C.C.
4	08-01-23	-ADDED GLASS INSERTS TO GARAGE DOORS FOR ALL (3) ELEVATIONS	C.C.
5	08-03-23	-REVISED ELEVATIONS & ELECTRICAL PER MARKUPS RECEIVED	C.C.
6	08-23-23	-REVISED ELEVATIONS, ELECTRICAL METER & PANEL	C.C.
7	10-25-23	-REVISED LANAI OPT. PRE-WIRE CLG. FAN/ LIGHT TO FLUSH-MOUNT LIGHT W/ FAN/LIGHT PREWIRE	C.C.
8	06-26-25	-REVISED BATH I LAYOUT: REARRANGED SHOWER & W.C., EXTENDED VANITY & MADE DUAL SINKS STD.	M.R.
9	07-31-25	-REMOVED PENDANT LIGHT PREWIRE FROM KITCHEN ISLAND	M.R.

### SHEET INDEX:

00	COVER SHEET
00.1	GENERAL NOTES
01.CC	SLAB INTERFACE PLAN "PACIFIC-PACIFIC"
02.CC	FLOOR PLAN W/ NOTES "PACIFIC-PACIFIC"
02.CC.1	FLOOR PLAN W/ DIMS. "PACIFIC-PACIFIC"
03.CC	EXT. ELEVS.- FRONT/ REAR "PACIFIC-PACIFIC"
03.CC.1	EXT. ELEVS.- LEFT/ RIGHT "PACIFIC-PACIFIC"
04.CC	ROOF PLAN "PACIFIC-PACIFIC"
E1.CC	UTILITY PLAN "PACIFIC-PACIFIC"
AD1	DETAILS
S1.CC	FOUNDATION PLAN "PACIFIC-PACIFIC"
S2.CC	PRECAST LINTEL LAYOUT "PACIFIC-PACIFIC"
S3.CC	TRUSS LAYOUT "PACIFIC-PACIFIC"
D1	TYPICAL STRUCTURAL DETAILS
D2	TYPICAL STRUCTURAL DETAILS
D3	TYPICAL STRUCTURAL DETAILS
D4	TYPICAL STRUCTURAL DETAILS
D5	TYPICAL STRUCTURAL DETAILS
D6	SEPARATION WALL DETAIL
D7	SEPARATION WALL DETAIL

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01.CE	SLAB INTERFACE PLAN "PACIFIC-HARBOR"
02.CE	FLOOR PLAN W/ NOTES "PACIFIC-HARBOR"
02.CE.1	FLOOR PLAN W/ DIMS. "PACIFIC-HARBOR"
03.CE	EXT. ELEVS.- FRONT/ REAR "PACIFIC-HARBOR"
03.CE.1	EXT. ELEVS.- LEFT/ RIGHT "PACIFIC-HARBOR"
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D7	SEPARATION WALL DETAIL

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LOT: 0000, COMMUNITY

REVISIONS	
DELTA #	DATE
DATE:	XX-XX-24
SCALE:	AS NOTED
DRAWN:	MR
SHEET:	00

COVER SHEET

PAIRED VILLAS  
PACIFIC-GULF, GULF-GULF  
PACIFIC/GULF/  
HARBOR SERIES

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**ABBREVIATIONS:**

- A/C AIR CONDITIONER
AFF ABOVE FINISHED FLOOR
AHU. AIR HANDLER UNIT
ALT. ALTERNATE
ALUM. ALUMINUM
BRG. BEARING
CAB. CABINET
CANT. CANTILEVER
CL. CENTER LINE
CLG. CEILING
C.J. CONTROL JOINT
CMU CONCRETE MASONRY UNIT
CONT. CONTINUOUS
CFT. CARPET
D. DRYER SPACE
D.H. DOUBLE HUNG
DIA. DIAMETER
DISP. DISPOSAL
D.V. DRYER VENT
DW DISHWASHER
E.H. EACH
ELEC ELECTRICAL
ELEV ELEVATION
E.O.R. ENGINEER OF RECORD
E.W. EACH WAY
FBC FLORIDA BUILDING CODE
FBC(B) FLORIDA BUILDING CODE BUILDING
FBC(E) FLORIDA BUILDING CODE ENERGY CONSERVATION
FBC(M) FLORIDA BUILDING CODE MECHANICAL
FBC(P) FLORIDA BUILDING CODE PLUMBING
FBC(R) FLORIDA BUILDING CODE RESIDENTIAL
FFE FINISHED FLOOR ELEVATION
FG. FIXED GLASS
FLR. FLOOR
FR. FIRE RATED
FT. FOOT / FEET
FTG. FOOTING
F.V. FIELD VERIFY
GAL.V. GALVANIZED
G.C. GENERAL CONTRACTOR
GFCI GROUND FAULT CIRCUIT INTERRUPTER
GFI GROUND FAULT INTERRUPTER
G.T. GIRDER TRUSS
GYP. GYPSUM
HDR. HEADER
HGT. HEIGHT
H.B. HOSE BIB
HORIZ. HORIZONTAL
H.S. HARD SURFACE
IL. ICEMAKER LINE
I.L.O. IN LIEU OF
INT. INTERIOR
L.A. LAUNDRY TUB
LOC. LOCATION
MAX. MAXIMUM
M. CA. MEDICINE CABINET
MECH. MECHANICAL
MIN. MINIMUM
MONO. MONOLITHIC
MFH. MILES PER HOUR
NO. NUMBER
N.T.S. NOT TO SCALE
O.C. ON CENTER
O.H.C. OVERHEAD CABINETS
O.H.GD. OVERHEAD GARAGE DOOR
OPT. OPTIONAL
PED. FEDESTAL SINK
PLF. FOUNDS PER LINEAR FOOT
PLT. HGT. PLATE HEIGHT
PSF. FOUNDS PER SQUARE FOOT
P.T. PRESSURE TREATED
PLUR. POWER
REF. SP. REFRIGERATOR SPACE
REQ'D. REQUIRED
RM. ROOM
R.O. ROUGH OPENING
R/S. ROD AND SHELF
SC. SOLID CORE
SGD. SLIDING GLASS DOOR
SH. SINGLE HUNG
SIM. SIMILAR
SPF. SPRUCE PINE FUR
SQ. FT. SQUARE FOOT/ FEET
SUB-CONTRACTOR
SYP. SOUTHERN YELLOW PINE
TEMP. TEMPERED
T.M. TOP OF MASONRY
T.W. TOP OF WALL
TRANS. TRANSOM
TYP. TYPICAL
UNO. UNLESS NOTED OTHERWISE
VERT. VERTICAL
V.A. VAPOR PROOF
VTR. VENT THRU ROOF
W. WITH
W.C. WATER CLOSET
W. WASHER SPACE
W.H. WATER HEATER
WF. WEATHER PROOF
W.S. WATER SOFTENER

Table with columns for Guardrails, Stairs, and Eero specifications. Includes details like 'PER FBC R301- TABLE R301.5' and 'EERO- R310.2.1- FBCR2023'.

**THE ANSI STANDARD FOR MEASURING HOUSES:**

NATIONAL STANDARD Z165-1996 NEW CONSTRUCTION THE ANSI STANDARDS BASE FLOOR AREA CALCULATIONS ON THE EXTERIOR DIMENSIONS OF THE BUILDING AT EACH FLOOR LEVEL & INCLUDE ALL INTERIOR WALLS & VOIDS. FOR ATTACHED UNITS, THE OUTSIDE DIMENSION IS THE CENTER LINE OF THE COMMON WALLS. INTERNAL ROOM DIMENSIONS AREN'T USED IN THIS SYSTEM OF MEASURING. THE ANSI STANDARDS BASE FLOOR AREA CALCULATIONS ON THE EXTERIOR DIMENSIONS OF THE BUILDING AT EACH FLOOR LEVEL & INCLUDE ALL INTERIOR WALLS & VOIDS. FOR ATTACHED UNITS, THE OUTSIDE DIMENSION IS THE CENTER LINE OF THE COMMON WALLS. INTERNAL ROOM DIMENSIONS AREN'T USED IN THIS SYSTEM OF MEASURING.

THE ANSI STANDARDS BASE FLOOR AREA CALCULATIONS ON THE EXTERIOR DIMENSIONS OF THE BUILDING AT EACH FLOOR LEVEL & INCLUDE ALL INTERIOR WALLS & VOIDS SEPARATED INTO TWO AREAS:

- 1. AIR-CONDITIONED SPACE
2. NON-AIR-CONDITIONED SPACE (GARAGES, PATIOS, PORCHES, BREEZEWAYS)

THE ANSI STANDARDS DEFINE "FINISHED AREA" AS AN ENCLOSED AREA IN A HOUSE SUITABLE FOR YEAR-ROUND USE, EMBODYING WALLS, FLOORS & CEILINGS THAT ARE LIKE THE REST OF THE MEASUREMENTS MUST BE TAKEN TO THE NEAREST INCH OR TENTH OF A FOOT, & FLOOR AREA MUST BE REPORTED TO THE NEAREST SQUARE FOOT. THESE WOULD INCLUDE BONUS/ATTIC SPACES & ARE USUALLY LISTED SEPARATELY.

**MISCELLANEOUS:**

- 1. CONTRACTOR TO VERIFY ALL DIMENSIONS ON JOB SITE.
2. DO NOT SCALE PRINTS! PLANS ARE TO SCALED AS NOTED, UNLESS SPECIFIED N.T.S. CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
3. FULL ALL DIMENSIONS FROM THE REAR OF PLAN
4. ALL FINISH FLOOR ELEVATIONS ARE TO TOP OF ROUGH SLAB OR TO TOP OF STRUCTURE UNO.
5. ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M 1307.1 - M1307.2
6. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSTALL ALL MATERIALS MEETING FLORIDA APPROVAL COMPLIANCE TO AVOID WATER INTRUSION & MOISTURE INTRUSION ON WINDOWS, DOORS, ROOF & ANY OTHER AREA AROUND EACH SINGLE FAMILY HOUSE/ APARTMENT/ CONDOMINIUM/ TOWNHOUSE.

**EXTERIOR WALLS:**

- 1. ASSUME ALL EXTERIOR WALLS TO BE LOAD BEARING.
2. SEE STRUCTURAL DRAWINGS FOR CMU WALL REINFORCEMENT LOCATIONS
3. INTERIOR SURFACE OF CMU WALL TO HAVE 1/2" GPBD APPLIED TO 1X P.T. VERTICAL FURRING BATT'S SPACED @ 16" O.C. ATTACH FURRING TO CONCRETE WALL AS REQUIRED.
4. SECOND FLOOR EXTERIOR WALLS TO BE WOOD STUDS.
5. REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
6. REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
7. ALL EXTERIOR CEILINGS (PORCH & PATIOS) SHALL HAVE SAG-RESISTANT GYP SOFFIT BOARD.

**INTERIOR WALLS:**

- 1. ALL INTERIOR WALLS SHALL HAVE STANDARD 1/2" GYP BD, EXCEPT IN HIGH HUMIDITY & WET AREAS.
2. HIGH HUMIDITY & WET AREAS SHALL HAVE 1/2" DENSIFIED TILE BACKER GYPSUM BOARD.
3. ALL INTERIOR CEILINGS SHALL HAVE PER FBCR 102.3.5 1/2" SAG-RESISTANT GYP BD. INSTALL PERPENDICULAR TO FRAMING.
4. TILE IN TUBS, SHOWERS, & WALL PANELS IN SHOWER AREAS ARE TO HAVE CEMENT, FIBER-CEMENT, OR GLASS MAT GYPSUM BACKERS R102.3.7 / R102.4.2 2023 FBC-R 8TH EDITION.
5. 2023 FBC-R 8TH EDITION TABLE R302.6: 5/8" TYPE 'X' GYPSUM BOARD OR EQUIVALENT IS REQUIRED FOR A GARAGE CEILING WITH HABITABLE ROOMS ABOVE. 1/2" MINIMUM GYPSUM BOARD IS REQUIRED ON GARAGE SIDE OF INTERIOR WALLS.
6. ALL PLATES & SLEEPERS ON CONCRETE SLAB, WHICH ARE IN DIRECT CONTACT WITH THE EARTH, SHALL BE PRESSURE TREATED.
7. ALL INTERIOR WALL PLATES, OTHER THAN SHEAR WALLS, ON CONC. SLAB TO BE ATTACHED W/ POWER ACTUATED FASTENERS, SPACED @ 48" O.C. MAX.
8. ALL WOOD BRG. INTERIOR PARTITIONS SHALL BE 2X4 STUDS SPACED @ 16" O.C. WITH DOUBLE TOP PLATE, UNO.
9. WOOD CONSTRUCTION SHALL CONFORM TO THE AMERICAN FOREST & PAPER ASSOCIATION (AF&PA) NATIONAL SPECIFICATION FOR WOOD CONSTRUCTION, LATEST EDITION.

**MEANS OF EGRESS:**

- 1. NOT LESS THAN ONE EGRESS DOOR SHALL BE PROVIDED IN EACH DWELLING UNIT. THE EGRESS DOOR SHALL BE SIDE-HINGED, & SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES WHERE MEASURED BETWEEN THE FACE OF THE DOOR & THE STOP, WITH THE DOOR OPEN 90 DEGREES. THE CLEAR HEIGHT OF THE DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP.
2. RAMPS SERVING EGRESS DOOR REQUIRED BY SECTION R312 SHALL HAVE A SLOPE OF NOT MORE THAN 1 UNIT VERTICAL IN 12 UNITS HORIZONTAL (8.3 % SLOPE). ALL OTHER RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1 UNIT VERTICAL IN 8 UNITS HORIZONTAL (12.5% SLOPE)
3. THE WIDTH OF A HALLWAY SHALL BE NOT LESS THAN 36 INCHES MEASURED FROM FINISHED MATERIALS.
4. WINDOWS DESIGNATED AS EGRESS SHALL COMPLY WITH SECTION R310.2
5. ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE THE BOTTOM OF THE CLEAR OPENING NOT MORE THAN 44" MIN. AFF. - R310.2 - FBC-R (2023)
6. IN DWELLING UNITS, WHERE THE BOTTOM OF THE CLEAR OPENING OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24" ABOVE FINISH FLOOR & GREATER THAN 12" FINISHED GRADE MUST COMPLY WITH FBCR 312

**TERMITE PROTECTION:**

- 1. PENETRATION, PROTECTIVE SLEEVES AROUND PIPING PENETRATING CONCRETE SLAB-ON-GRADE FLOORS SHALL NOT BE OF CELLULOSE CONTAINING MATERIALS. IF SOIL TREATMENT IS USED FOR SUBTERRANEAN TERMITE PROTECTION, THE SLEEVE SHALL HAVE A MAXIMUM WALL THICKNESS OF 0.010 INCH, & BE SEALED WITHIN THE SLAB USING A NON-CORROSIVE CLAMPING DEVICE TO ELIMINATE THE ANNULAR SPACE BETWEEN THE PIPE & THE SLEEVE. NO TERMITICIDES SHALL BE APPLIED INSIDE THE SLEEVE.
2. PROTECTION AGAINST DECAY & TERMITES. - CONDENSATE LINES, IRRIGATION SPRINKLER SYSTEM RISERS FOR SPRAY HEADS, & ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1 FOOT (305 MM) AWAY FROM THE STRUCTURE SIDEWALL, WHETHER BY UNDERGROUND PIPING, TAIL EXTENSIONS, OR SPLASH BLOCKS GUTTERS WITH DOWNSPOUTS ARE REQUIRED ON ALL BUILDINGS WITH EAVES OF LESS THAN 6 INCHES (152 MM) HORIZONTAL PROJECTION EXCEPT FOR GABLE END RAKES OR ON A ROOF ABOVE ANOTHER ROOF.

**DOORS AND WINDOWS:**

- 1. WINDOW & DOOR SUPPLIERS SHALL PROVIDE CURRENT ROUGH OPENING INFORMATION WHICH SHALL HAVE PRECEDENCE OVER THE WINDOW & DOOR SCHEDULES ON PLAN.
2. CONTRACTOR & SUPPLIER TO VERIFY WINDOW LOCATION, TYPE (FIN VS. FLANGE), HEADER HEIGHTS, & ROUGH OPENINGS PRIOR TO DELIVERY.
3. WINDOWS & DOORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS
4. ALL GLASS LOCATED IN HAZARDOUS LOCATIONS SHALL BE TEMPERED & COMPLY WITH SECTION R308 OF THE 2023 FBC-R 8TH EDITION.
5. WINDOW CONTRACTOR TO VERIFY ROUGH OPENINGS OF ALL FIELD ASSEMBLED FIXED GLASS WINDOW UNITS PRIOR TO INSTALLATION.
6. WINDOW ROUGH OPENING INCLUDES 1X P.T. FRAME ATTACHED TO CMU'S.
7. DOOR ROUGH OPENING INCLUDES 2X P.T. FRAME ATTACHED TO CMU'S.
8. ALL WINDOWS IN WIND BORN DEBRIS AREAS SHALL BE PROTECTED FROM WIND BORN DEBRIS. PROVIDE SHUTTERS CERTIFIED TO MEET MIAMI-DADE IMPACT TEST. SHUTTERS MUST BE ROLL-DOWN, PANEL ACCORDION OR OTHER APPROVED DESIGN TYPE. BUILDER TO SUBMIT MANUFACTURER, MODEL NO. INSTALLATION INSTRUCTIONS, & COPY OF MIAMI-DADE IMPACT TEST DATA FOR PROPOSED SHUTTERS.
9. WINDOW & DOOR ASSEMBLIES TO CONFORM TO 2023 FBC-R CHAPTER 6, SECTION 609. INTERIOR FACE OF WINDOW, FASTEN BUCK TO MASONRY W/ 1/4" X 3" TAPCONS, 6" FROM EDGES & 16" O.C. MAX. 2X P.T. BUCKS/NAILERS SHALL EXTEND BEYOND.
10. BUCKS LESS THAN 2X TO BE FASTENED W/ CUT NAILS OR EQUIVALENT. STRUCTURAL CONNECTION OF WINDOW TO STRUCTURE BY OTHERS IN THIS CASE.
11. EXTERIOR WINDOWS & SLIDING DOORS SHALL BE TESTED & COMPLY WITH AAMA/WDMA/CSA 1011.52/A440 OR TAS 202 (4VHZ SHALL COMPLY WITH TAS 202 AND ASTM E1300). EXTERIOR SIDE HINGED DOORS SHALL COMPLY WITH AAMA/WDMA/CSA 1011.52/A440 OR ANSI/UMA100 OR SECTION R609.5 IN THE 2023 FBC-R.
12. ALL GARAGE/OVERHEAD DOORS SHALL BE LISTED & TESTED FOR 30 SECONDS AT DESIGN PRESSURE (+/-) TO INCLUDE A 10 SECOND GUST AT 15 TIMES THE DESIGN PRESSURE.

**ROOFING:**

- 1. THE ROOF PLAN DEPICTED IS NOT INTENDED TO SERVE AS A TRUSS DESIGN.
2. SEE BUILDING SECTIONS, WALL SECTIONS & ELEVATIONS FOR BEARING HEIGHTS
3. 12' OVERHANG UNO/ PLUMB CUT FASCIA/ ROOF PITCH PER ELEVATION/ SHINGLES UNO.
4. FLASHING SHALL BE INSTALLED AT WALL & ROOF INTERSECTIONS, AT GUTTERS, AT ALL CHANGES IN ROOF SLOPE OR DIRECTION, & AROUND ROOF OPENINGS.
5. STEP FLASHING SHALL BE USED ON ALL ROOF TO WALL INTERSECTIONS ON RAKES.
6. ALL PENETRATIONS THROUGH ROOF ARE TO BE LOCATED ON REAR OR IF NECESSARY ON THE SIDE OF THE ROOF BEHIND THE FRONT FACADE ZONE.
7. CLAY & CONCRETE TILE (IF APPLICABLE):
1. PER FBC-R 2023 8TH EDITION R305.3, THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, OR RECOMMENDATIONS OF FRSA/TRI FLORIDA HIGH WIND CONCRETE & CLAY ROOF TILE INSTALLATION MANUAL, LATEST EDITION, WHERE THE VASD IS DETERMINED IN ACCORDANCE WITH SECTION R301.2.13.
ii. UNLESS OTHERWISE NOTED, REQUIRED UNDERLAYMENT SHALL COMPLY WITH THE UNDERLAYMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS IN ACCORDANCE WITH THE FRSA/TRI FLORIDA HIGH WIND CONCRETE & CLAY ROOF TILE INSTALLATION MANUAL, LATEST EDITION, WHERE THE VASD IS DETERMINED IN ACCORDANCE WITH SECTION R301.2.13.
8. ASPHALT SHINGLES (IF APPLICABLE):
1. WIND RESISTANCE OF ASPHALT SHINGLES. - ASPHALT SHINGLES SHALL BE INSTALLED IN ACCORDANCE WITH 2023 FBC-R (8TH EDITION), SECTION R305.2.6 AND R305.2.6.1.
ii. ASPHALT SHINGLES SHALL ONLY BE USED ON ROOF SLOPES OF TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (2:12) OR GREATER. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (2:12) & LESS THAN FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (4:12), TWO LAYERS OF UNDERLAYMENT COMPLYING WITH ASTM D226, TYPE II, ASTM D4869, TYPE III OR TYPE IV OR ASTM D8251 IS REQUIRED IN ACCORDANCE WITH SECTION R305.1.1. FOR ROOF SLOPES FROM FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (4:12) & GREATER, ONE LAYER OF UNDERLAYMENT COMPLYING WITH ASTM D226, TYPE II, ASTM D4869, TYPE III OR IV OR ASTM D8251 IS REQUIRED IN ACCORDANCE WITH SECTION R305.1.1.
iii. AS AN ALTERNATIVE, THE ENTIRE ROOF DECK SHALL BE COVERED WITH AN APPROVED SELF-ADHERING POLYMER MODIFIED BITUMEN UNDERLAYMENT COMPLYING WITH ASTM D910 INSTALLED IN ACCORDANCE WITH BOTH THE UNDERLAYMENT MANUFACTURER'S & ROOF COVERING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE DECK MATERIAL, ROOF VENTILATION CONFIGURATION & CLIMATE EXPOSURE FOR THE ROOF COVERING TO BE INSTALLED. REFER TO R305.1.1.1.

**INSULATION:**

- 1. INSULATE ALL EXTERIOR FRAME WALLS WITH R-13 BATT FIBERGLASS INSULATION.
2. INSULATE CONDITIONED ATTIC SPACE WITH R-30 BLOWN FIBERGLASS. INACCESSIBLE ATTIC SPACE SHALL RECEIVE R-30 BATT INSULATION.
3. INSULATE ALL CMU WALLS (THAT REQUIRE 1" P.T. FURRING STRIPS) WITH R41 FI-FI-FO PANELS.
4. APPLY HILTI FOAM FILLER AT EXTERIOR WALLS AROUND: WINDOW FRAMES, EXTERIOR DOOR FRAMES, GAPS AROUND PIPES, VENTS, OUTLETS, ETC.
5. INSULATE ALL ATTIC KNEE WALLS WITH R-38 BATTS.
6. APPLY OWENS CORNING ENERGY COMPLETE TO THE TOP OF ALL CONDITIONED SPACE WALLS THAT INTERACT WITH UNCONDITIONED ATTIC SPACE ABOVE.

**CABINETS:**

- 1. CABINET MANUFACTURER'S SHOP DRAWINGS TAKE PRECEDENCE OVER THE INTERIOR CABINET ELEVATIONS SHOWN ON THESE DRAWINGS.
2. SEE SUPPLIER / MFR'S DRAWINGS FOR KITCHEN, CABINETRY/MILLWORK & RESTROOM LAYOUTS.

**PLUMBING:**

- 1. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY SIZE, DESIGN, & INSTALL ALL PLUMBING SYSTEM COMPONENTS BY THE TERMS OF THEIR APPROVAL, IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING, & PER THE CURRENT EDITION OF THE FBC(P), THE FBC(R), THE FBC, OR AS APPLICABLE.
2. PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
3. PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
4. VENT DRYER THRU ROOF. NO VENT STACKS SHALL PENETRATE THROUGH ROOF CRICKETS, VALLEYS, OR RIDGES. BUILDER SHALL VERIFY & APPROVE ALL LOCATIONS.

**ELECTRICAL:**

- 1. IAW NEC 2020- 210.12-ALL 15A OR 20A 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION: KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.
2. IAW NEC 2020- 406.12, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.
3. ALL SERVICES SUPPLYING DWELLING UNITS SHALL BE PROVIDED WITH A SURGE-PROTECTION DEVICE (SPD). THE SPD SHALL BE A TYPE (1) OR TYPE (2) SPD.
4. ALL OUTLETS IN BATHROOMS, KITCHEN, GARAGES & LAUNDRY ROOM SHALL BE GFCI
5. SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS, SHALL BE INTERCONNECTED, SHALL BE WITHIN 1' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIR- STREAM & EQUIPPED W/ A BATTERY BACKUP. ALARMS MAY NOT BE CONNECTED WHERE ALARMS ARE WIRELESS & ALL ALARMS SOUND UPON ACTIVATION IAW FBC-R R314.3 & R314.4.
6. ALL ELECTRICAL WORK TO BE DONE PER NFPA70-NEC 2020
7. ADDITIONAL ELECTRODE MAY BE REQUIRED IN ACCORDANCE WITH NEC 250.53(A)(2)
8. ALL DWELLING UNIT RECEPTACLE WILL BE IN ACCORDANCE WITH NFPA70-NEC2020 - ARTICLE 210-52

**MECHANICAL:**

- 1. EQUIPMENT LOCATIONS TO BE FIELD VERIFIED & MAY VARY DEPENDANT UPON COMMUNITY & MUNICIPALITY CODES.
2. COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1
3. APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR & REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION. A) CHAPTER 13 OF THE FBC-R 2023 8TH EDITION, SECTION M105.1
4. AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION M102.0 OF THE FBC-R 2023 8TH EDITION.
5. ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18' ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBC-R 2023 8TH EDITION F280.1
6. ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18' ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBC-R 2023 8TH EDITION.
7. THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTIONS M102.4.5.1 THROUGH M102.4.5.3

**STAIRS:**

- 1. SEE STAIR SECTIONS FOR TREAD & RISER GENERAL REQUIREMENTS.
2. ACCESSIBLE SPACE UNDER STAIRS SHALL BE PROTECTED BY 1/2" GYPSUM BOARD.
3. HANDRAIL CONTINUITY PER R311.7.2.- HANDRAILS FOR STAIRS SHALL BE CONTINUOUS FOR FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POST OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NO LESS THAN 1 1/2"(38MM) BETWEEN THE WALL & THE HANDRAIL.

**SWIMMING POOLS:**

- 1. CHAPTER 45 PRIVATE SWIMMING POOLS - OUTDOOR SWIMMING POOLS SHALL BE PROVIDED WITH A BARRIER COMPLYING W/ R4501.1.1. THROUGH R4051.1.1.14.

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

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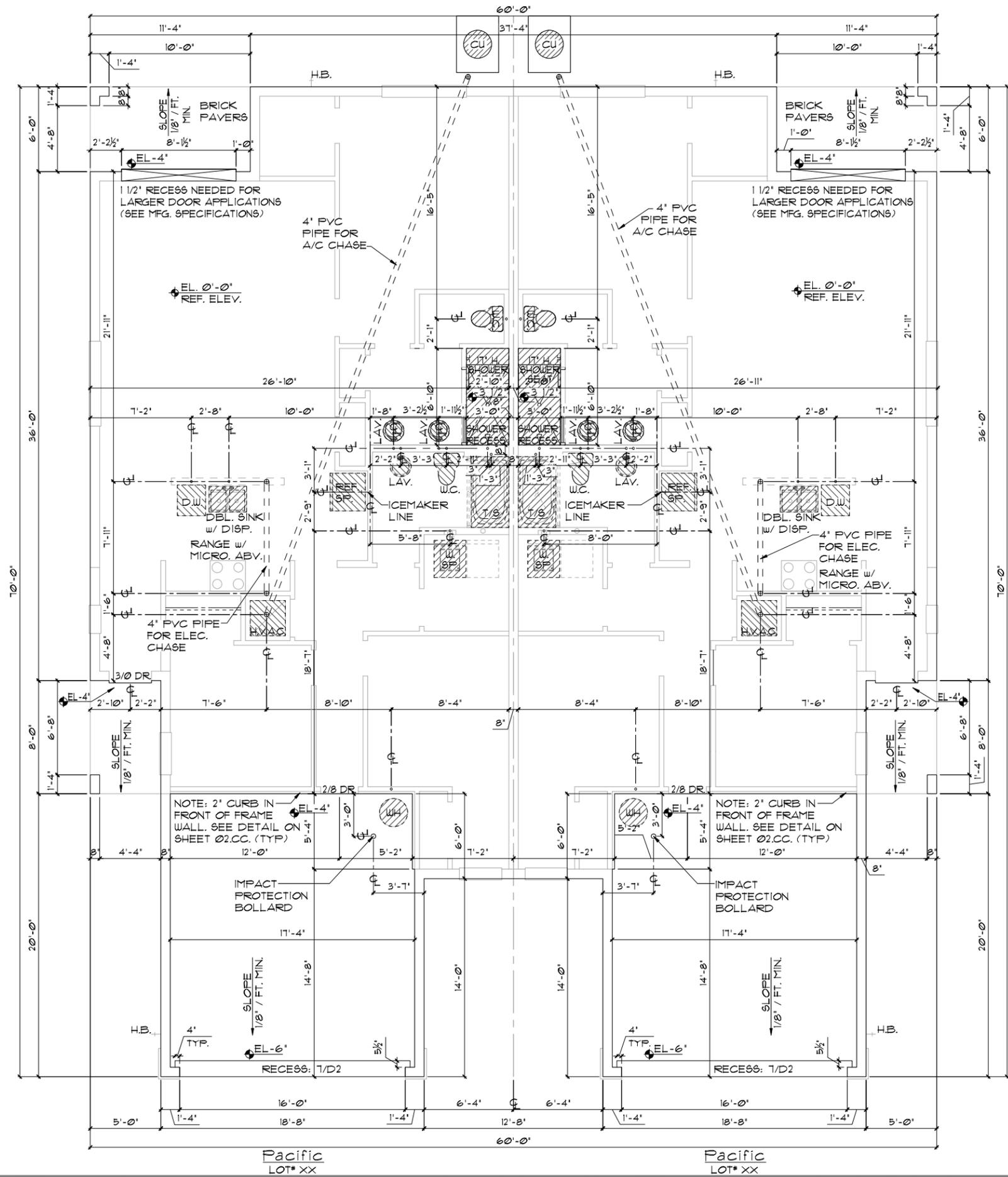


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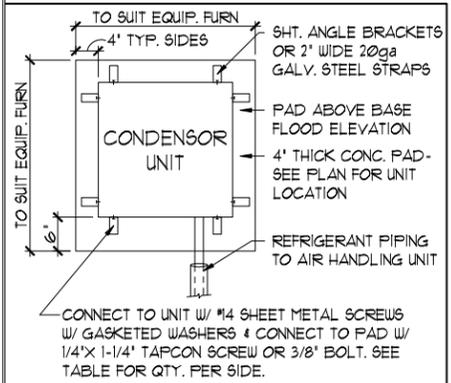
Park Square Homes GENERAL NOTES

PAIRED VILLAS (PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF) PACIFIC/GULF/ HARBOR SERIES

Table with columns for REVISIONS, DELTA #, and DATE. Includes a drawing scale of AS NOTED and a sheet number of 00.1.



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**COND. ANCHOR DET.**  
N.T.S.

ANCHOR SPACING TABLE	
LENGTH / SIDE	NO. OF ANCHOR/SIDES
LESS THAN 12'	ONE / SIDE
12' - 24'	TWO / SIDE
24' - 36'	THREE / SIDE
36' UP & 5tons & UP	FOUR / SIDE

**ELEVATION PACIFIC - PACIFIC**  
**SLAB INTERFACE PLAN**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
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HARBOR SERIES

**SLAB INTERFACE PLAN**

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**Park Square HOMES**

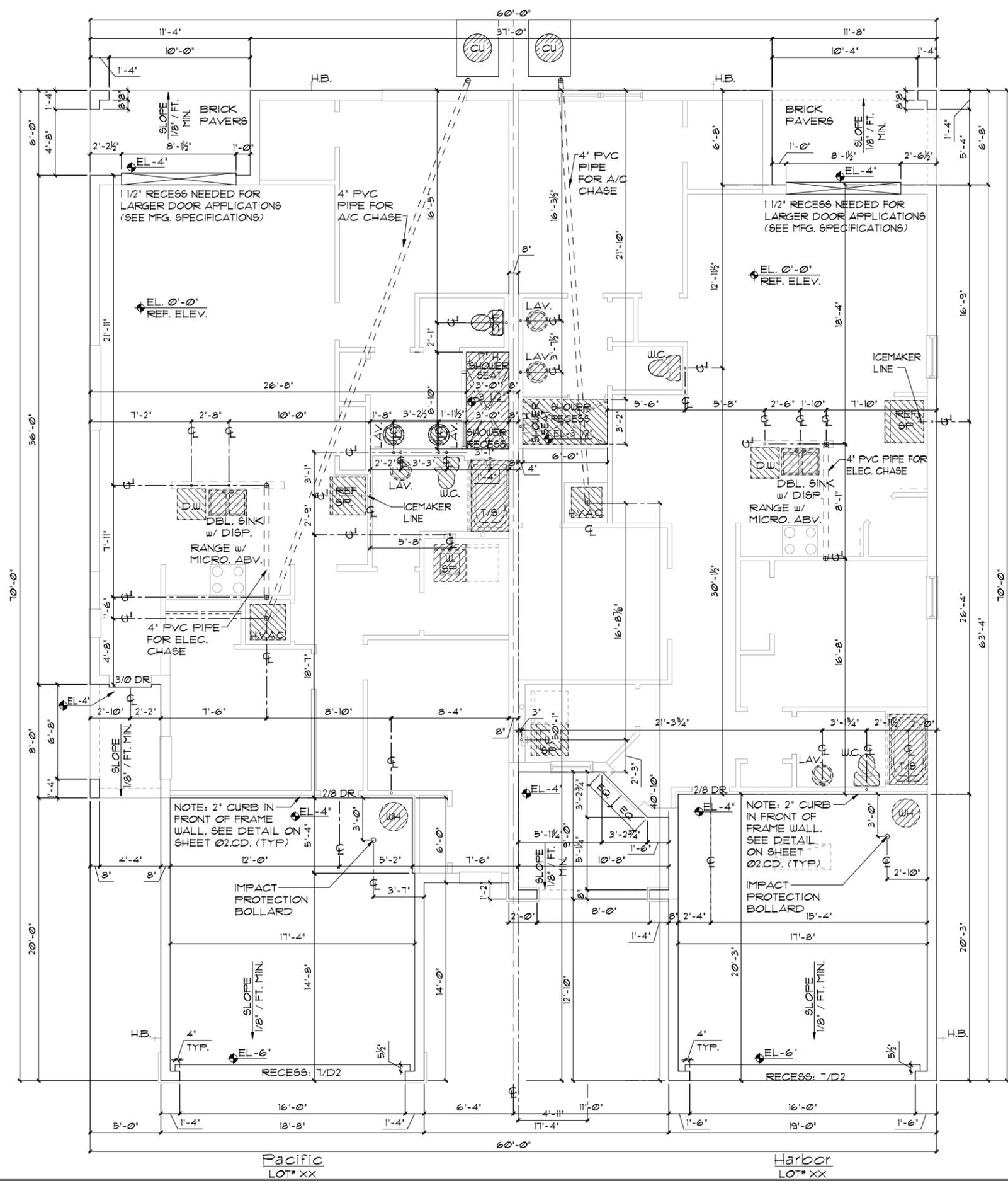
**REVISIONS**

DELTA #	DATE

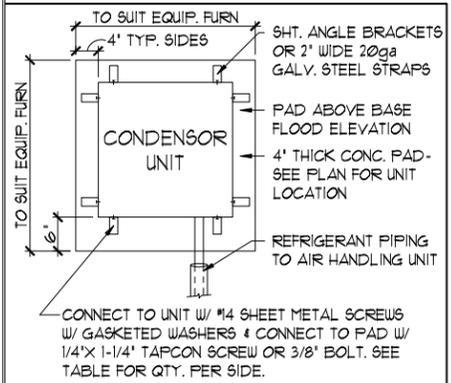
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SHEET: 01.CC

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1 COND. ANCHOR DET.  
N.T.S.

ELEVATION  
PACIFIC-HARBOR  
SLAB INTERFACE PLAN  
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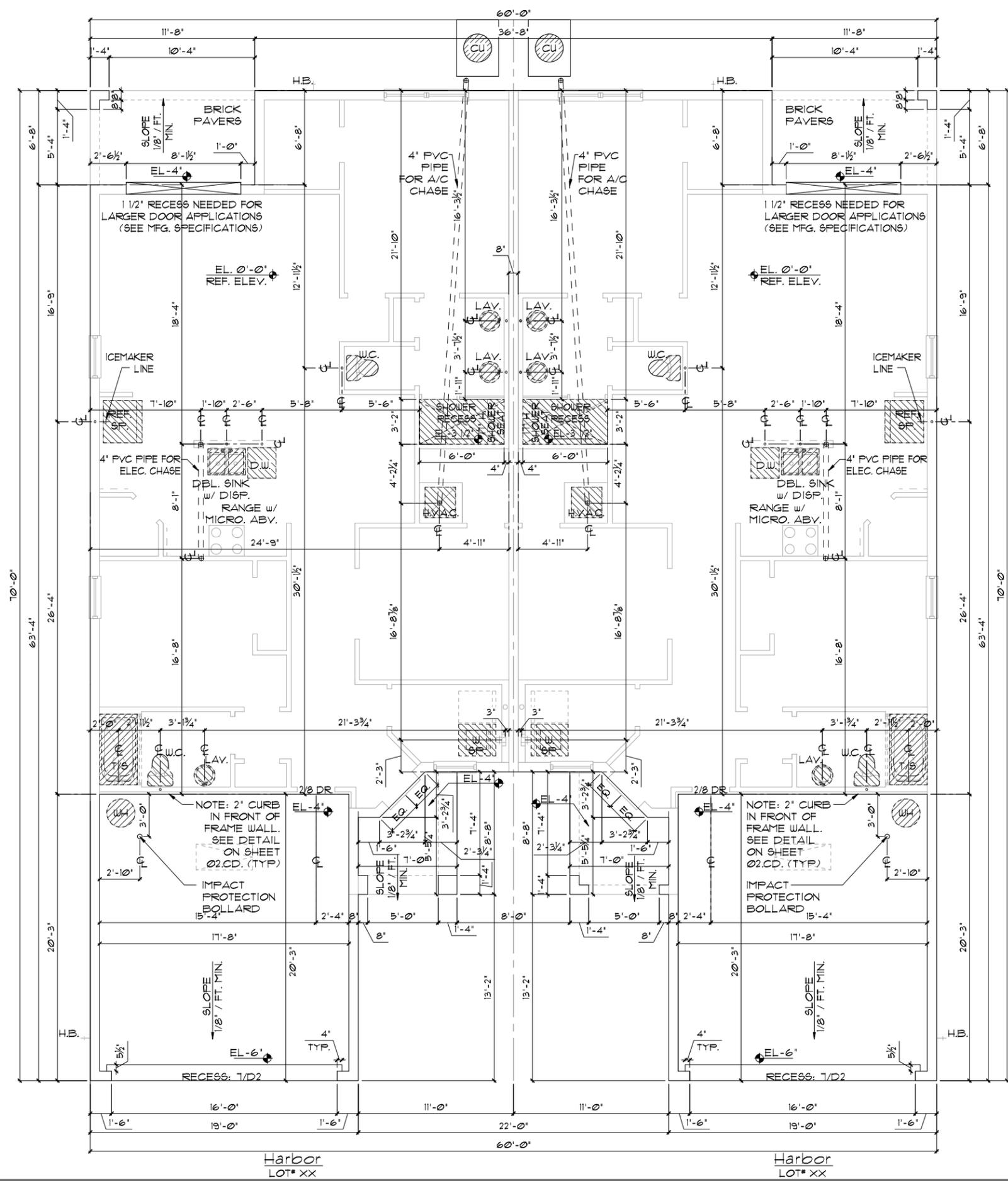
SLAB INTERFACE PLAN

PAIRED VILLAS  
(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
PACIFIC/GULF/  
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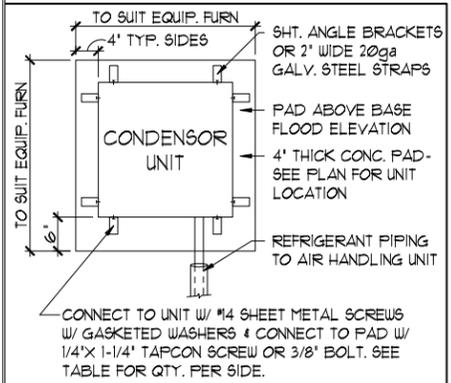
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**COND. ANCHOR DET.**  
N.T.S.

**ELEVATION**  
**HARBOR-HARBOR STD**  
**SLAB INTERFACE PLAN**  
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**PACIFIC/GULF/ HARBOR SERIES**

**SLAB INTERFACE PLAN**

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**Park Square HOMES**

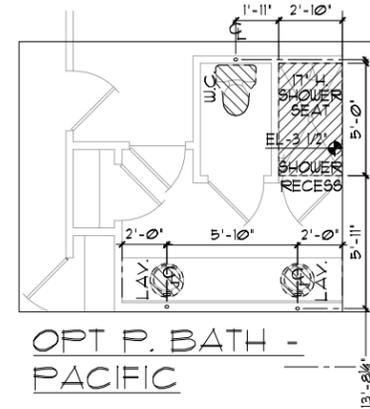
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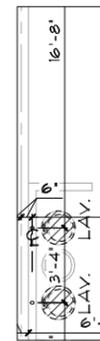
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OPT DUAL LAVS @  
MA. BATH - GULF LH



OPT DUAL LAVS @  
MA. BATH - GULF RH

OPTIONS  
SLAB INTERFACE PLAN  
1/0' = 1'-0" (11X17) 1/4' = 1'-0" (22X34)

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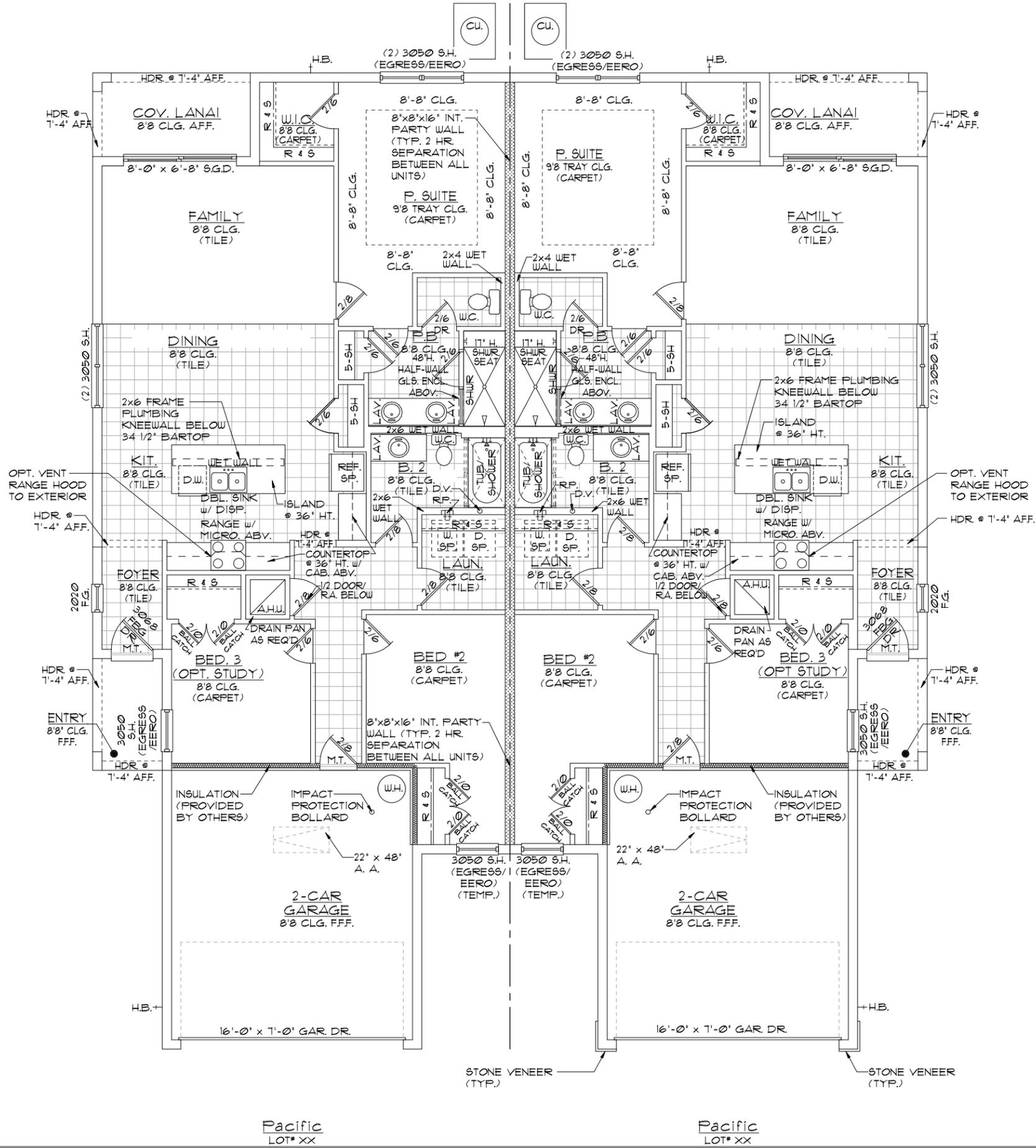
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PAIRED VILLAS  
(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
PACIFIC/GULF/  
HARBOR SERIES

FLOOR PLAN W/ NOTES

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8. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFO.

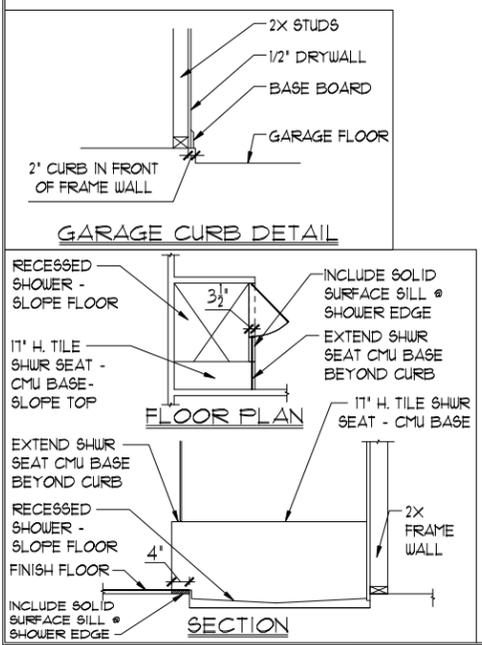
**WALL LEGEND**

	DENOTES CONC. BLOCK WALL HGT. @ 8'-8" AFF.
	DENOTES CONC. BLOCK WALL HGT. @ 12'-8" AFF.
	DENOTES CONC. BLOCK WALL HGT. @ 14'-0" AFF.
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	DENOTES 2x INSULATED FRAME WALL

NOTE: SEE COLOR SHEET FOR FLOORING & INTERIOR DOOR HEIGHT REQUIREMENTS

AREA CALCULATIONS	
UNIT - PACIFIC	
TOTAL LIVING	1,431 SF.
GARAGE	372 SF.
ENTRY	40 SF.
COV. LANAI	68 SF.
<b>TOTAL UNDER ROOF</b>	<b>1,911 SF.</b>
UNIT - PACIFIC/ PACIFIC	
TOTAL LIVING	2,862 SF.
GARAGE	744 SF.
ENTRY	80 SF.
COV. LANAI	136 SF.
<b>TOTAL UNDER ROOF</b>	<b>3,822 SF.</b>

**ELEVATION**  
**PACIFIC-PACIFIC**  
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 (PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
**PACIFIC/GULF/**  
**HARBOR SERIES**

**FLOOR PLAN W/ NOTES**

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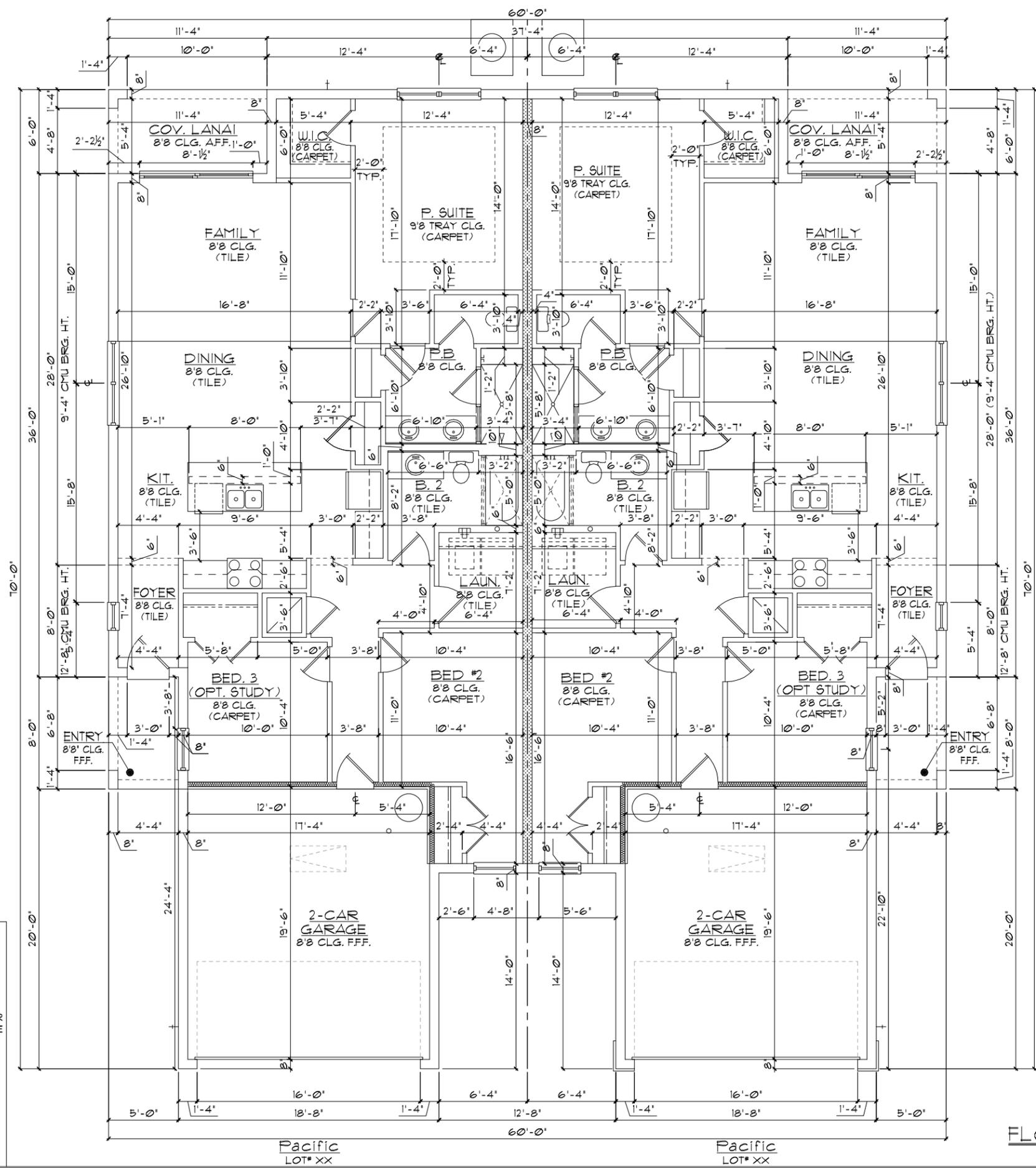
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**WALL LEGEND**

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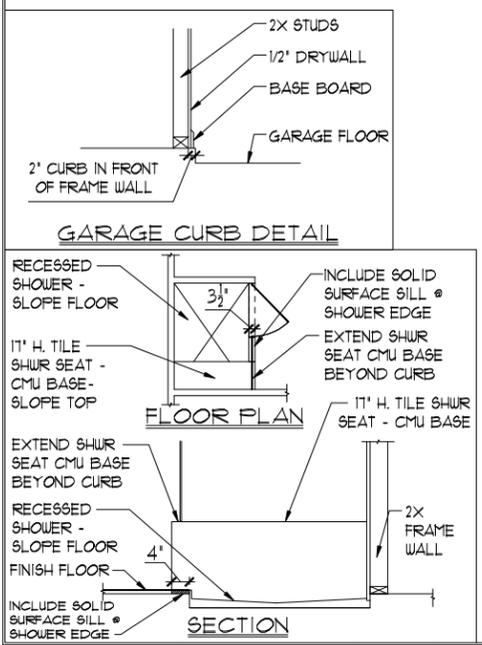
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**ELEVATION C-C  
W/ 8'-8" PLT HGT  
FLOOR PLAN W/ DIMENSIONS**

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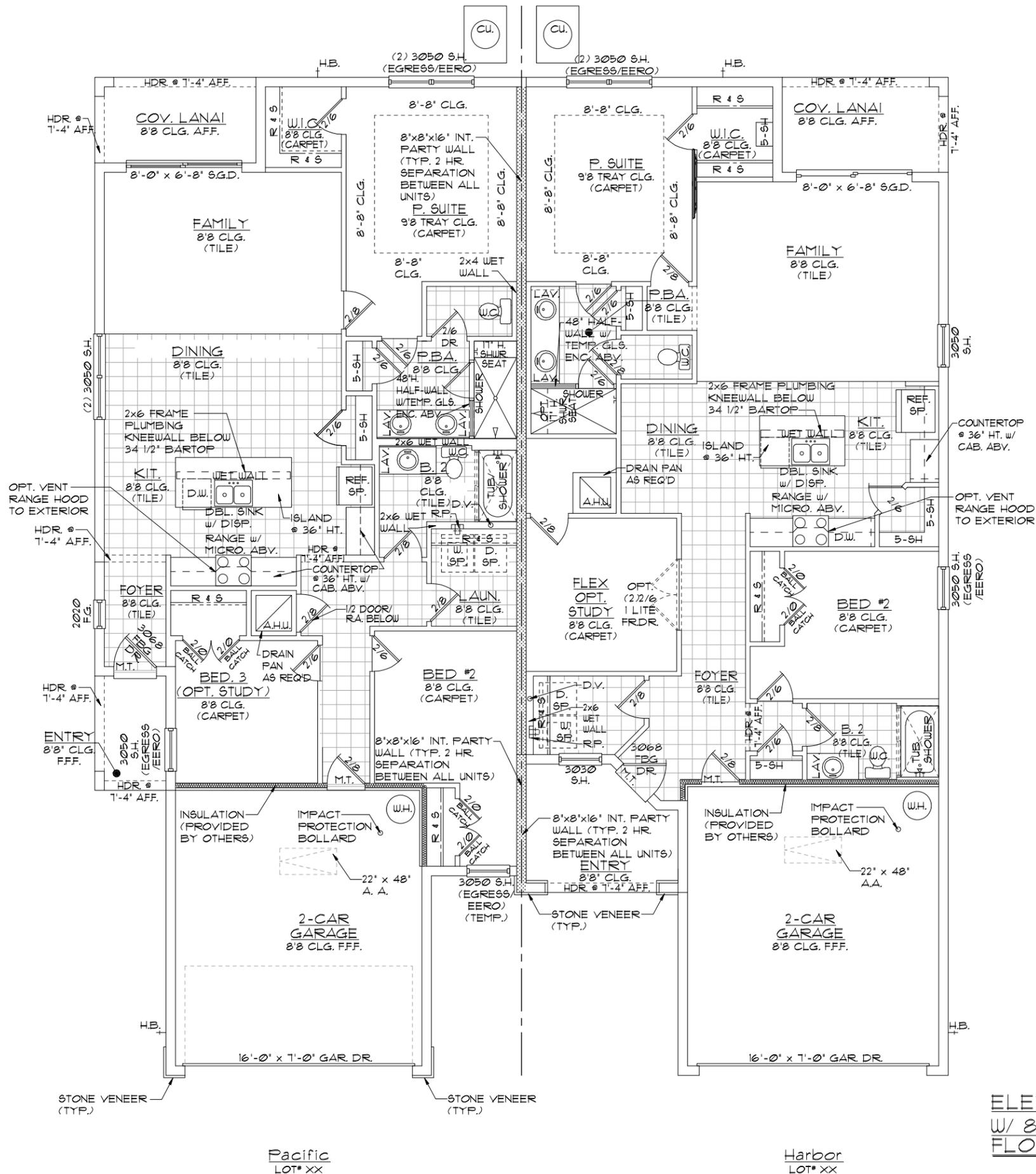
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FLOOR PLAN  
W/ DIMENSIONS

PAIRED VILLAS  
(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
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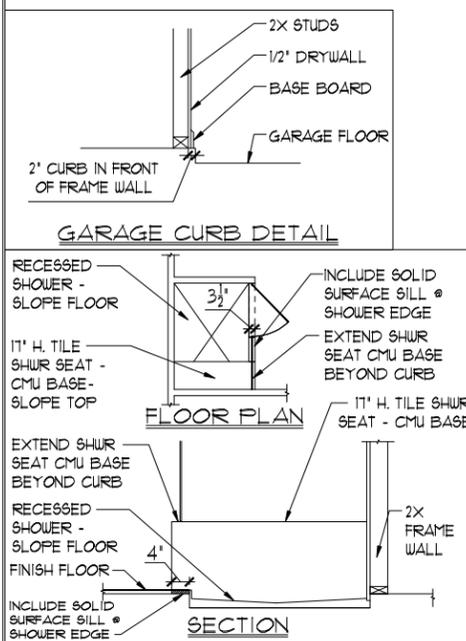
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ENTRY	40 SF.
COV. LANAI	68 SF.
<b>TOTAL UNDER ROOF</b>	<b>1,911 SF.</b>
UNIT - HARBOR	
TOTAL LIVING	1,405 SF.
GARAGE	387 SF.
ENTRY	89 SF.
COV. LANAI	78 SF.
<b>TOTAL UNDER ROOF</b>	<b>1,959 SF.</b>
UNIT - PACIFIC/ HARBOR	
TOTAL LIVING	2,836 SF.
GARAGE	759 SF.
ENTRY	129 SF.
COV. LANAI	146 SF.
<b>TOTAL UNDER ROOF</b>	<b>3,870 SF.</b>

**ELEVATION PACIFIC-HARBOR  
W/ 8'-8" PLT HGT  
FLOOR PLAN W/ NOTES**

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



DISCLAIMER: CONTRACTOR/SUB-CONTRACTOR IS RESPONSIBLE TO REVIEW ALL INFORMATION CONTAINED HEREIN PRIOR TO COMMENCEMENT OF CONSTRUCTION. PARK SQUARE HOMES IS NOT RESPONSIBLE FOR ANY MISINTERPRETATIONS, ERRORS, OMISSIONS OR CUSTOM CHANGES MISSED AND NOT REPORTED PRIOR TO CONSTRUCTION. NO EXCEPTIONS.

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2003, OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

**LOT: 0000, COMMUNITY**

**PAIRED VILLAS**  
(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
**PACIFIC/GULF/**  
**HARBOR SERIES**

**FLOOR PLAN W/ NOTES**

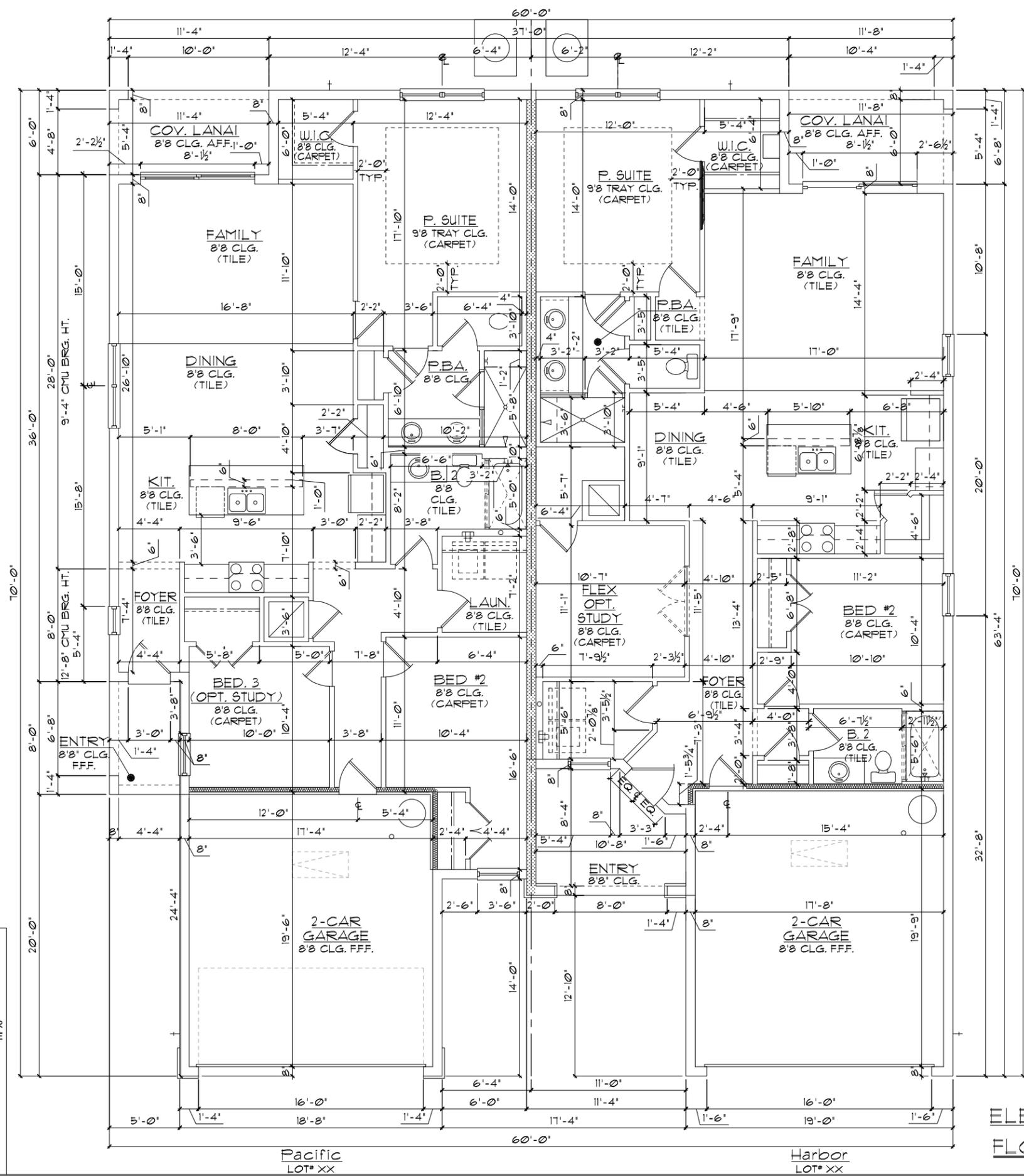
**Park Square Homes**

**TEG**  
THOMPSON ENGINEERING GROUP, INC.  
4447 Vineland Road, Suite 200  
Orlando, Florida 32811  
Phone: (407) 529-3000

**REVISIONS**

DELTA #	DATE

DATE: XX-XX-24  
SCALE: AS NOTED  
DRAWN: MR  
SHEET: **02.CE**



**GENERAL NOTES**

- CONTRACTOR TO VERIFY ALL DIMENSIONS ON JOB SITE.
- DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
- ALL INTERIOR FRAME WALL DIMENSIONS TO BE 3-1/2" UNLESS NOTED OTHERWISE.
- ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 1-5/8" UNLESS NOTED OTHERWISE.
- DOOR FROM HOUSE TO GARAGE MUST BE SOLID WOOD DOOR NO LESS THAN 1 3/8" IN THICKNESS, SOLID OR HONEYCOMB CORE STEEL DOORS NOT LESS THAN 1 3/8" THICK, OR 20 MIN. FIRE RATED IAW R302.5.1
- GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BD. APPLIED TO THE GAR. SIDE. PROVIDE 5/8" TYPE 'X' GYP. BD. AT CEILING ONLY APPLIED PERPENDICULAR TO CEILING FRAME.
- PULL ALL DIMENSIONS FROM THE REAR OF THE PLAN
- SEE GENERAL NOTES PAGE FOR ADDITIONAL INFO.

**WALL LEGEND**

- [Symbol] DENOTES CONC. BLOCK WALL HGT. @ 8'-8" AFF.
- [Symbol] DENOTES CONC. BLOCK WALL HGT. @ 12'-8" AFF.
- [Symbol] DENOTES CONC. BLOCK WALL HGT. @ 14'-0" AFF.
- [Symbol] DENOTES 2-HOUR FIRE-RATED CMU WALL HGT. @ 10'-0" AFF.
- [Symbol] DENOTES 2x INSULATED FRAME WALL

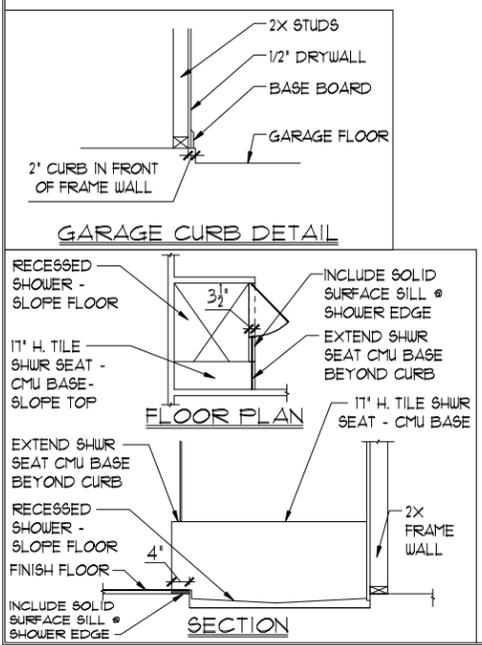
NOTE: SEE COLOR SHEET FOR FLOORING & INTERIOR DOOR HEIGHT REQUIREMENTS

**AREA CALCULATIONS**

UNIT - PACIFIC	
TOTAL LIVING	1,431 SF.
GARAGE	372 SF.
ENTRY	40 SF.
COV. LANAI	68 SF.
<b>TOTAL UNDER ROOF</b>	<b>1,911 SF.</b>
UNIT - HARBOR	
TOTAL LIVING	1,405 SF.
GARAGE	387 SF.
ENTRY	89 SF.
COV. LANAI	78 SF.
<b>TOTAL UNDER ROOF</b>	<b>1,959 SF.</b>
UNIT - PACIFIC/ HARBOR	
TOTAL LIVING	2,836 SF.
GARAGE	759 SF.
ENTRY	129 SF.
COV. LANAI	146 SF.
<b>TOTAL UNDER ROOF</b>	<b>3,870 SF.</b>

**ELEVATION PACIFIC-HARBOR FLOOR PLAN W/ DIMENSIONS**

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



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THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2003 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, COMMUNITY



A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
5200 Vineland Road, Suite 200  
Orlando, Florida 32811  
Phone: (407) 529-3000



**FLOOR PLAN W/ DIMENSIONS**

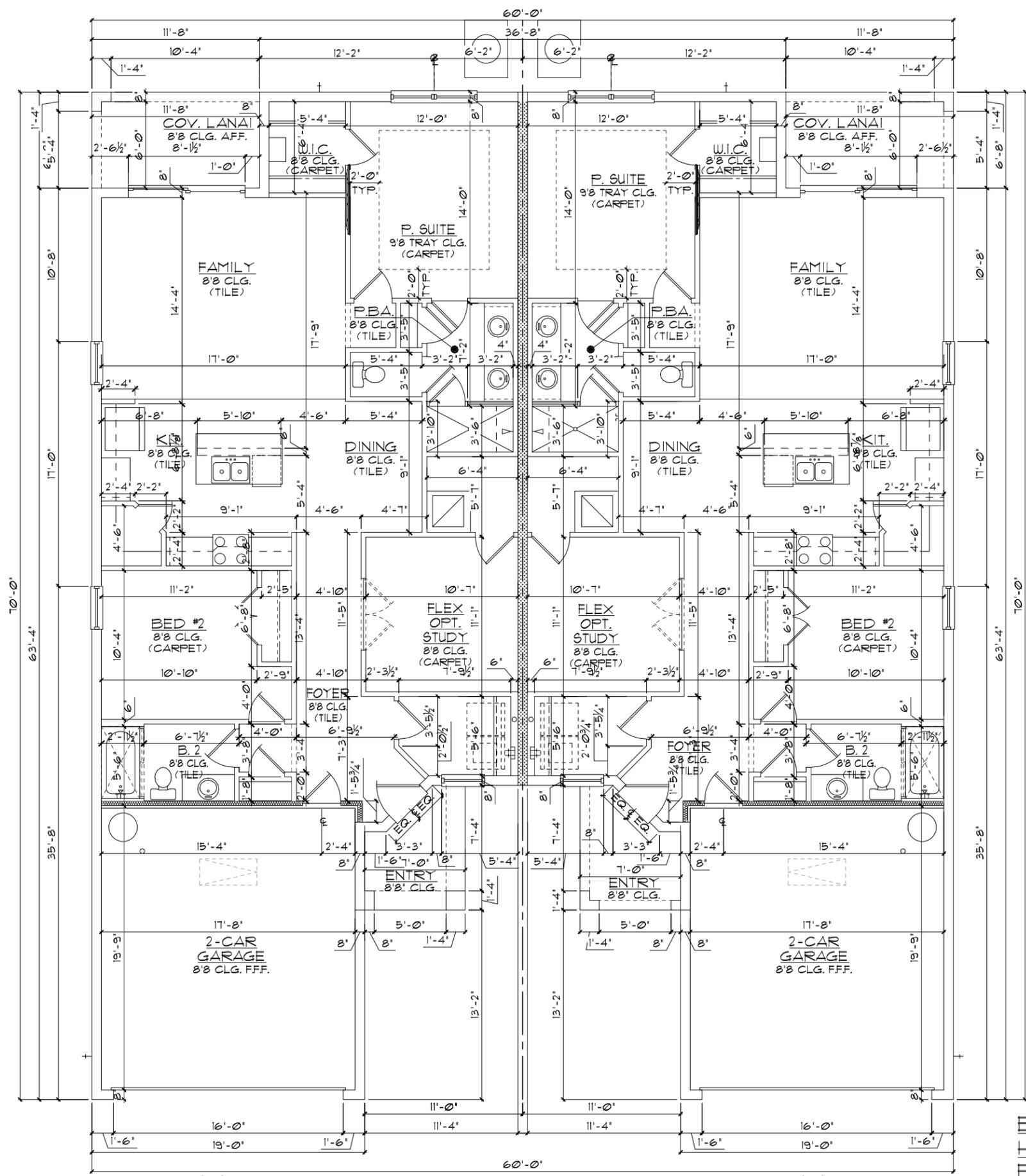
PAIRED VILLAS  
(PACIFIC-PACIFIC, PACIFIC-GULF, GULF-GULF)  
PACIFIC/GULF/  
HARBOR SERIES

REVISIONS

DELTA #	DATE

DATE: XX-XX-24  
SCALE: AS NOTED  
DRAWN: MR  
SHEET: 02.CE1





**GENERAL NOTES**

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2. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
3. ALL INTERIOR FRAME WALL DIMENSIONS TO BE 3-1/2" UNLESS NOTED OTHERWISE.
4. ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 1-5/8" UNLESS NOTED OTHERWISE.
5. DOOR FROM HOUSE TO GARAGE MUST BE SOLID WOOD DOOR NO LESS THAN 1 3/8" IN THICKNESS, SOLID OR HONEYCOMB CORE STEEL DOORS NOT LESS THAN 1 3/8" THICK, OR 20 MIN. FIRE RATED IAW R302.5.1
6. GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BD. APPLIED TO THE GAR. SIDE. PROVIDE 5/8" TYPE 'X' GYP. BD. AT CEILING ONLY APPLIED PERPENDICULAR TO CEILING FRAME.
7. PULL ALL DIMENSIONS FROM THE REAR OF THE PLAN
8. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFO.

**WALL LEGEND**

- [Symbol] DENOTES CONC. BLOCK WALL HGT. @ 8'-8" AFF.
- [Symbol] DENOTES CONC. BLOCK WALL HGT. @ 12'-8" AFF.
- [Symbol] DENOTES CONC. BLOCK WALL HGT. @ 14'-0" AFF.
- [Symbol] DENOTES 2-HOUR FIRE-RATED CMU WALL HGT. @ 10'-0" AFF.
- [Symbol] DENOTES 2x INSULATED FRAME WALL

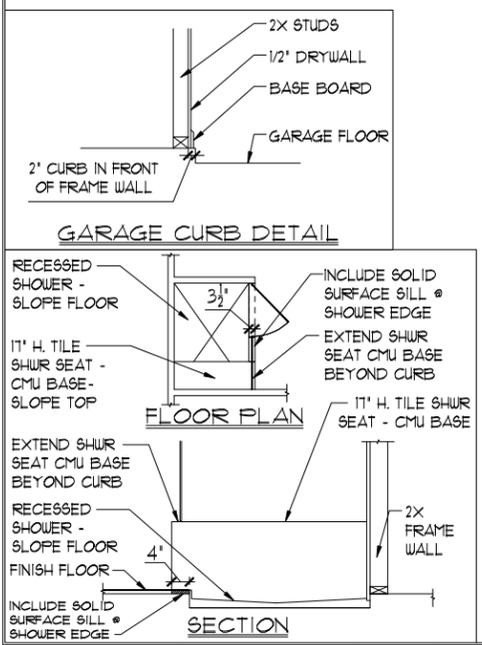
NOTE: SEE COLOR SHEET FOR FLOORING & INTERIOR DOOR HEIGHT REQUIREMENTS

**AREA CALCULATIONS**

UNIT - HARBOR	
TOTAL LIVING	1,405 SF.
GARAGE	387 SF.
ENTRY	89 SF.
COV. LANAI	78 SF.
<b>TOTAL UNDER ROOF</b>	<b>1,959 SF.</b>
UNIT - HARBOR/ HARBOR	
TOTAL LIVING	2,810 SF.
GARAGE	774 SF.
ENTRY	178 SF.
COV. LANAI	156 SF.
<b>TOTAL UNDER ROOF</b>	<b>3,918 SF.</b>

**ELEVATION HARBOR-HARBOR FLOOR PLAN W/ DIMENSIONS**

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



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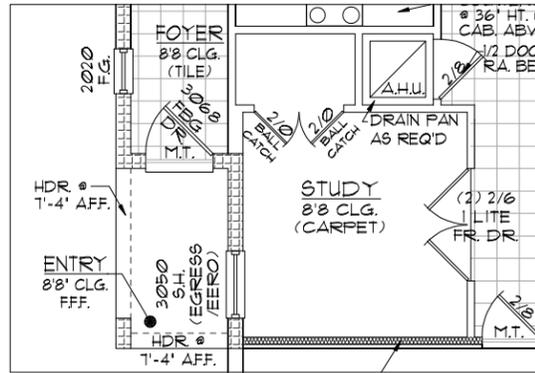
**Park Square HOMES**  
FLOOR PLAN  
W/ DIMENSIONS

PAIRED VILLAS  
(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
PACIFIC/GULF/  
HARBOR SERIES

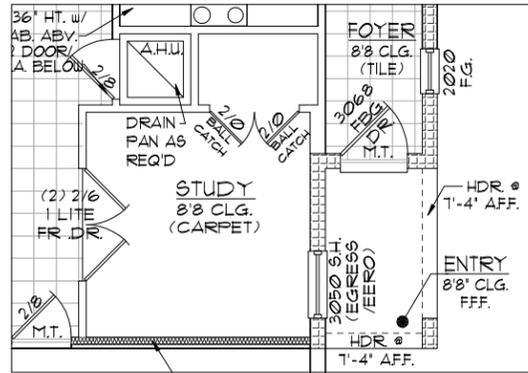
REVISIONS

DELTA #	DATE

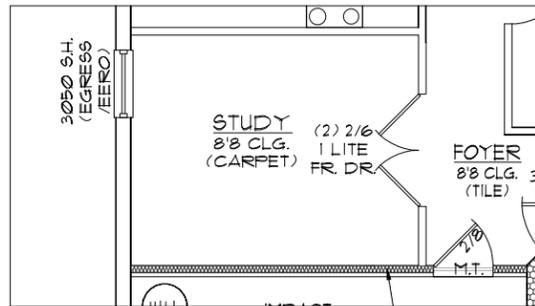
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SHEET: 02.EE1



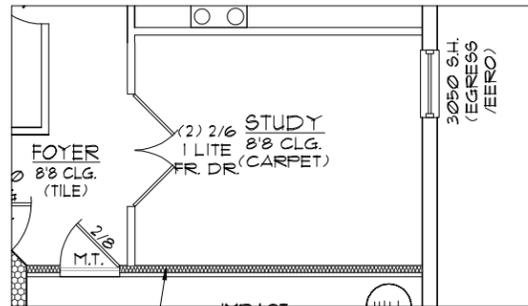
OPT STUDY - PACIFIC LH



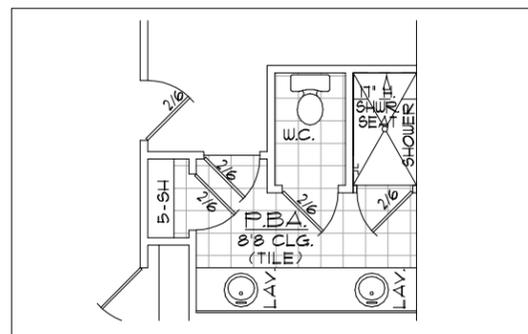
OPT STUDY - PACIFIC RH



OPT STUDY - GULF LH



OPT STUDY - GULF RH



OPT P. BATH - PACIFIC

GENERAL NOTES

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3. ALL INTERIOR FRAME WALL DIMENSIONS TO BE 3-1/2' UNLESS NOTED OTHERWISE.
4. ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 7-5/8' UNLESS NOTED OTHERWISE.
5. DOOR FROM HOUSE TO GARAGE MUST BE SOLID WOOD DOOR NO LESS THAN 1 3/8" IN THICKNESS, SOLID OR HONEYCOMB CORE STEEL DOORS NOT LESS THAN 1 3/8" THICK, OR 20 MIN. FIRE RATED IAW R302.5.1
6. GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ITS ATTIC AREA BY NOT LESS THAN 1/2' GYP. BD. APPLIED TO THE GAR. SIDE. PROVIDE 5/8" TYPE 'X' GYP. BD. AT CEILING ONLY APPLIED PERPENDICULAR TO CEILING FRAME.
7. PULL ALL DIMENSIONS FROM THE REAR OF THE PLAN
8. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFO.

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LOT: 0000, COMMUNITY

PAIRED VILLAS  
 (PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
 PACIFIC/GULF/  
 HARBOR SERIES

REVISIONS	
DELTA #	DATE

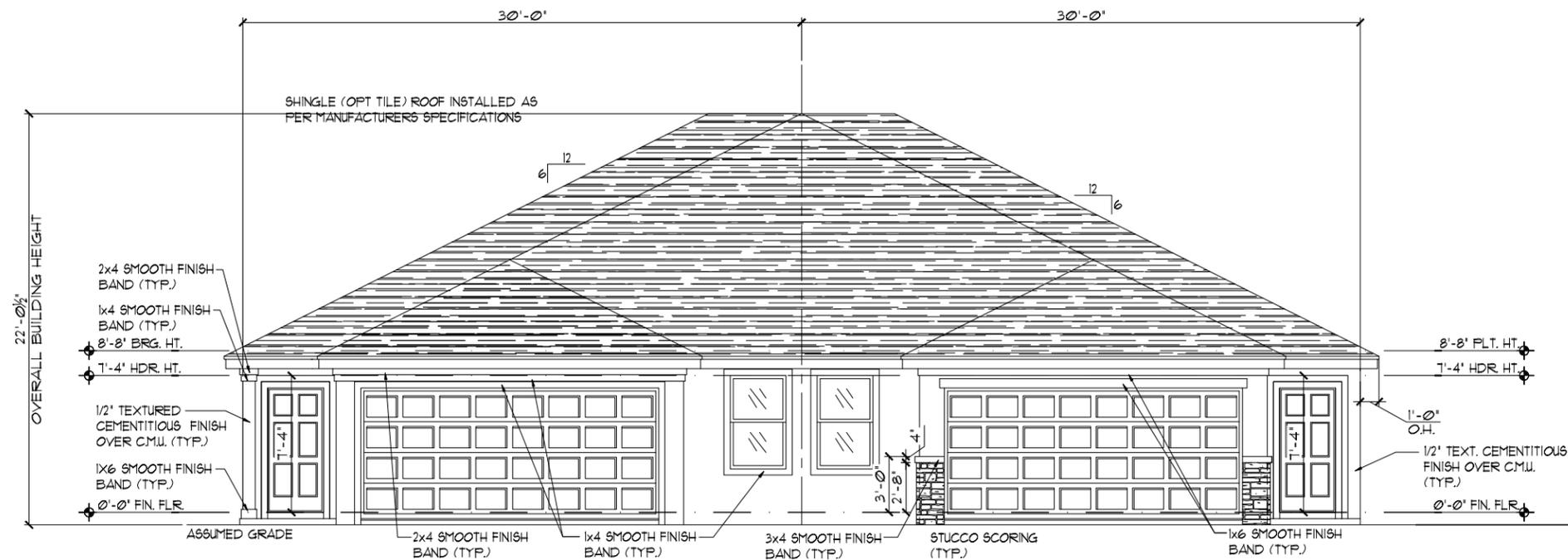
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 SHEET: 020

**Park Square HOMES**  
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 5200 Vineland Road, Suite 200  
 Orlando, Florida 32811  
 Phone: (407) 529 - 3000

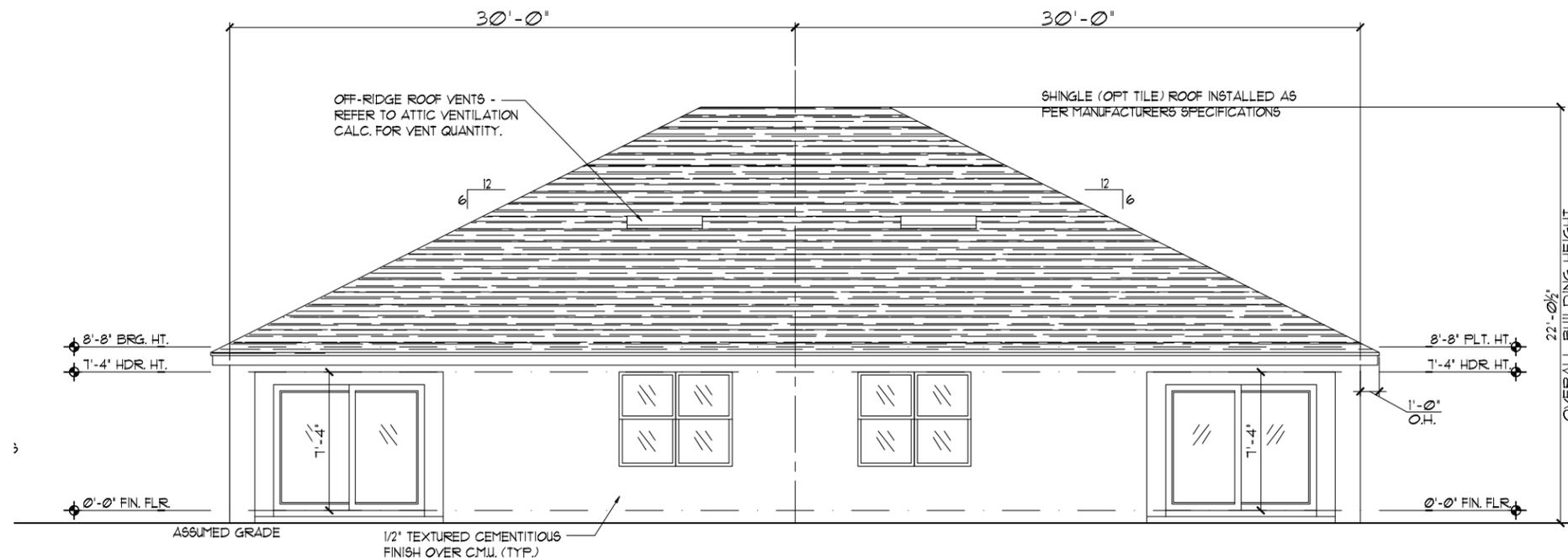
**ITEG**  
 THOMPSON ENGINEERING GROUP, INC.  
 4401 Vineland Road, Suite A1 Orlando, FL 32811  
 Tel: (407) 754-1000  
 Fax: (407) 754-1000  
 www.iteg.com

OPTIONS  
 FLOOR PLAN W/ NOTES  
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)





Pacific LOT\* XX  
**ELEVATION PACIFIC-PACIFIC**  
**FRONT ELEVATION**  
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



Pacific LOT\* XX  
**ELEVATION PACIFIC-PACIFIC**  
**REAR ELEVATION**  
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

**EXTERIOR FINISH NOTES**

1. LATH TO BE ATTACHED IAW R103.11 OF THE 8TH EDITION, FBC-R 2023 & ASTM C1063 OR C1101.
2. PLASTERING TO BE INSTALLED IAW R103.1 & R103.12 OF THE 8TH EDITION, FBC-R 2023.
3. WEEP SCREED TO BE INSTALLED IAW R103.12.1 OF THE 8TH EDITION, FBC-R 2023 & ASTM C326.
4. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.2 & R103.13 OF THE 8TH EDITION, FBC-R 2023.
5. FLASHING TO BE INSTALLED IAW R103.4 OF THE 8TH EDITION, FBC-R 2023.
6. WIND RESISTANCE OF WALL COVERINGS & BACK MATERIALS SHALL BE IAW R103.12 OF THE 8TH EDITION, FBC-R 2023.
7. ALL HORIZONTAL & VERTICAL CONTROL JOINTS SHALL BE INSTALLED IAW ASTM 1063.
8. ALL FIBER CEMENT SIDING SHALL BE IAW R103.1 OF THE 8TH EDITION, FBC-R 2023.
9. "ZIP SYSTEMS" WALL SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER, ON EXTERIOR FRAME WALLS.
10. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, COMMUNITY

<b>PAIRED VILLAS</b> (PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF) PACIFIC/GULF/ HARBOR SERIES	
<b>EXTERIOR ELEVATION</b> <b>FRONT AND REAR</b>	
<b>REVISIONS</b>	
DELTA #	DATE
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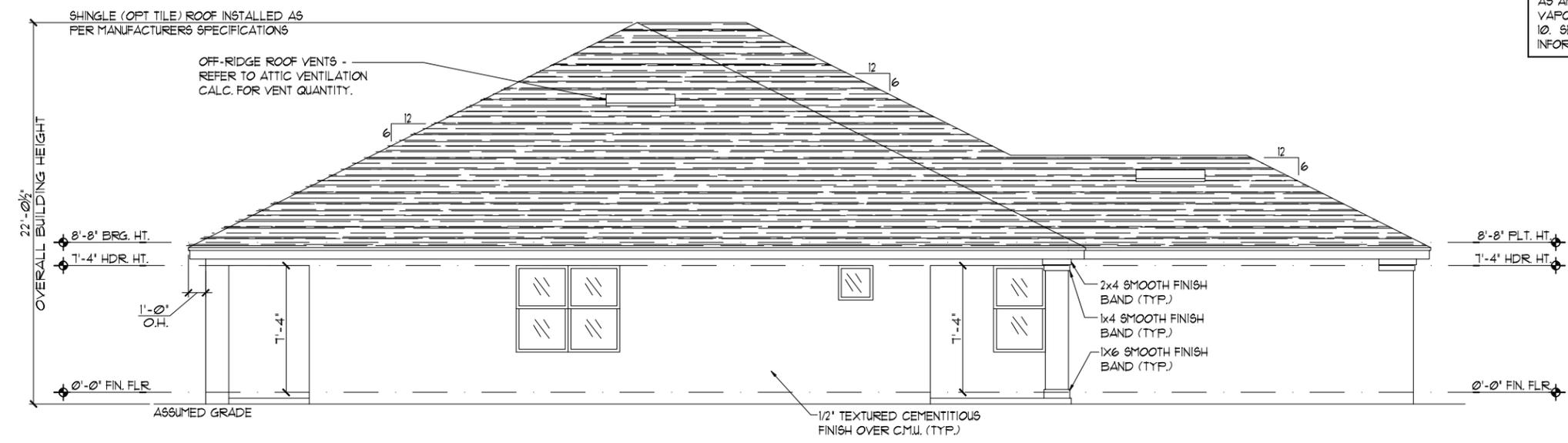
A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
 5200 Vineland Road, Suite 200  
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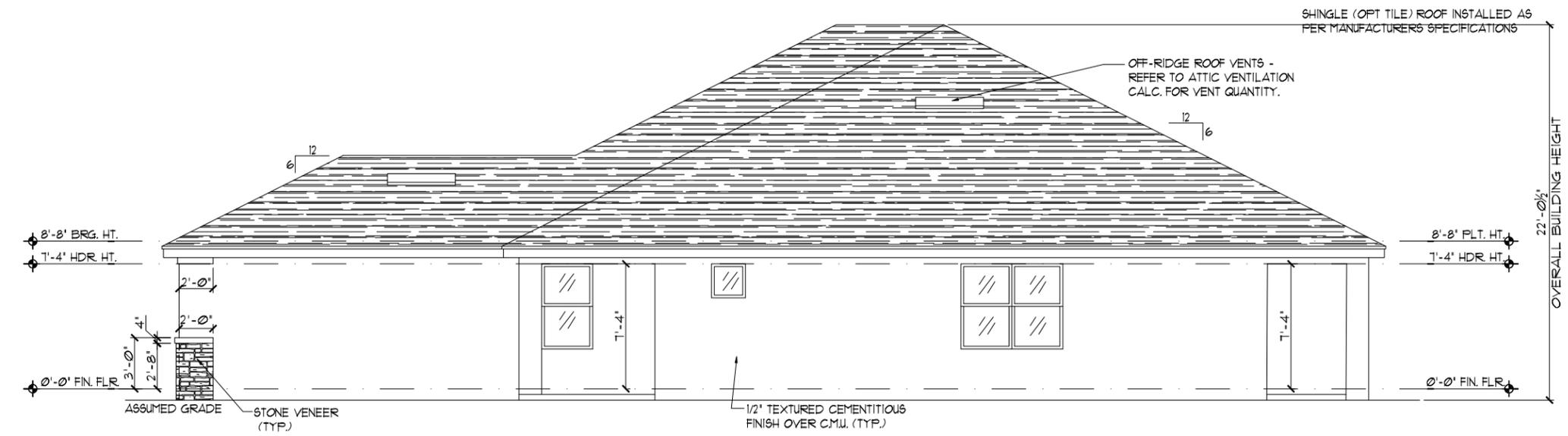
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**EXTERIOR FINISH NOTES**

1. LATH TO BE ATTACHED IAW R103.1.1 OF THE 8TH EDITION, FBC-R 2023 & ASTM C1063 OR C1181.
2. PLASTERING TO BE INSTALLED IAW R103.1 & R103.1.2 OF THE 8TH EDITION, FBC-R 2023
3. WEEP SCREED TO BE INSTALLED IAW R103.1.2.1 OF THE 8TH EDITION, FBC-R 2023 & ASTM C926.
4. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.2 & R103.1.3 OF THE 8TH EDITION, FBC-R 2023.
5. FLASHING TO BE INSTALLED IAW R103.4 OF THE 8TH EDITION, FBC-R 2023.
6. WIND RESISTANCE OF WALL COVERINGS & BACK MATERIALS SHALL BE IAW R103.12 OF THE 8TH EDITION, FBC-R 2023
7. ALL HORIZONTAL & VERTICAL CONTROL JOINTS SHALL BE INSTALLED IAW ASTM 1063.
8. ALL FIBER CEMENT SIDING SHALL BE IAW R103.1 OF THE 8TH EDITION, FBC-R 2023.
9. "ZIP SYSTEMS" WALL SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER, ON EXTERIOR FRAME WALLS.
10. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.



**ELEVATION PACIFIC-PACIFIC  
LEFT ELEVATION**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



**ELEVATION PACIFIC-PACIFIC  
RIGHT ELEVATION**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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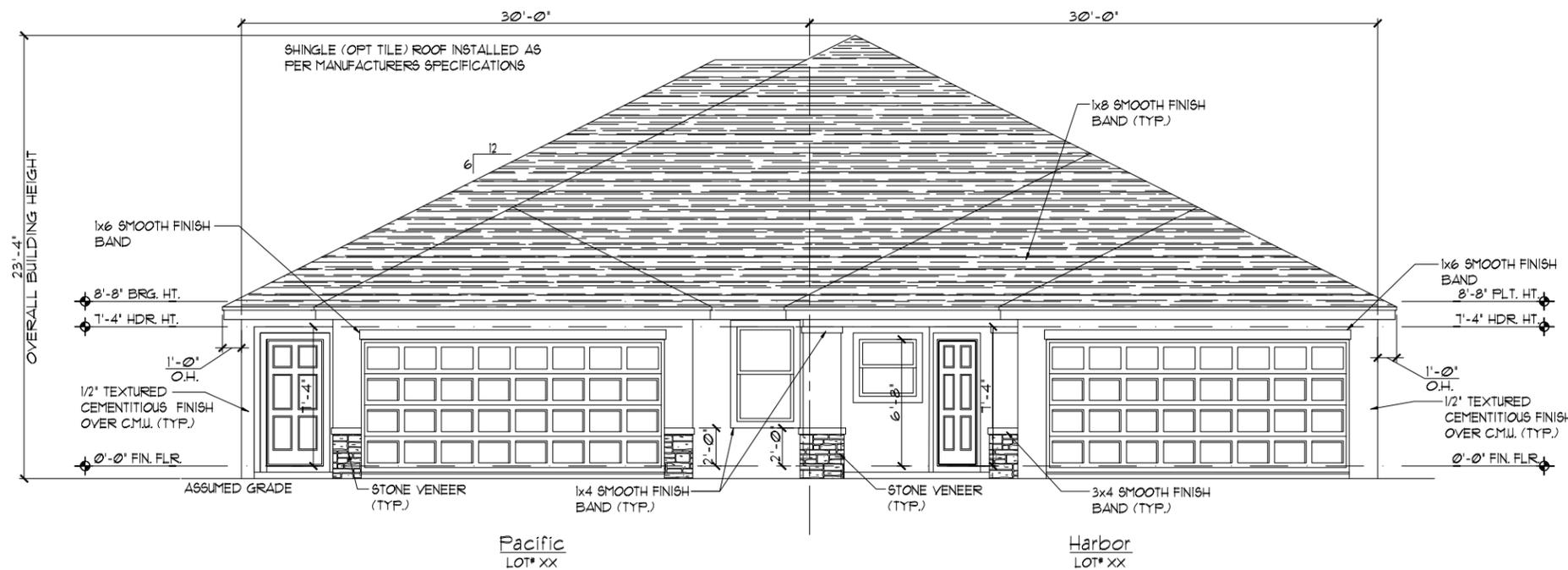
LOT: 0000, COMMUNITY

PAIRED VILLAS (PACIFIC-PACIFIC, PACIFIC-GULF, GULF-GULF) PACIFIC/GULF/ HARBOR SERIES	
EXTERIOR ELEVATION LEFT AND RIGHT	
REVISIONS DELTA #      DATE	
DATE: XX-XX-24	
SCALE: AS NOTED	
DRAWN: MR	
SHEET:	03.1CC

**ITEG**  
 THOMPSON ENGINEERING GROUP, INC.  
 4407 Vineland Road Suite A1 Orlando, FL 32811  
 Ph: (407) 744-1100  
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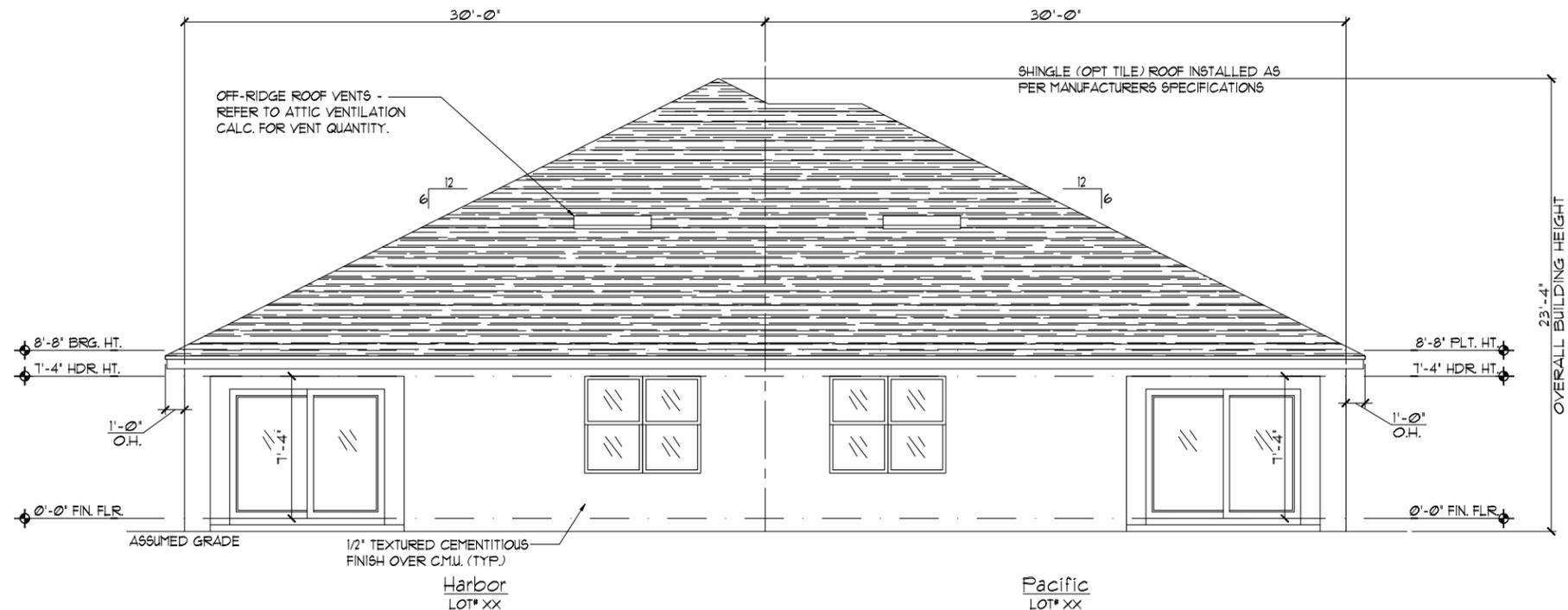
A DIVISION OF PARK SQUARE  
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 Phone: (407) 529 - 3000

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**ELEVATION PACIFIC-HARBOR  
FRONT ELEVATION**

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



**ELEVATION HARBOR-PACIFIC  
REAR ELEVATION**

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

**EXTERIOR FINISH NOTES**

1. LATH TO BE ATTACHED IAW R103.11 OF THE 8TH EDITION, FBC-R 2023 & ASTM C1063 OR C1101.
2. PLASTERING TO BE INSTALLED IAW R103.1 & R103.12 OF THE 8TH EDITION, FBC-R 2023.
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4. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.2 & R103.13 OF THE 8TH EDITION, FBC-R 2023.
5. FLASHING TO BE INSTALLED IAW R103.4 OF THE 8TH EDITION, FBC-R 2023.
6. WIND RESISTANCE OF WALL COVERINGS & BACK MATERIALS SHALL BE IAW R103.12 OF THE 8TH EDITION, FBC-R 2023.
7. ALL HORIZONTAL & VERTICAL CONTROL JOINTS SHALL BE INSTALLED IAW ASTM 1063.
8. ALL FIBER CEMENT SIDING SHALL BE IAW R103.1 OF THE 8TH EDITION, FBC-R 2023.
9. "ZIP SYSTEMS" WALL SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER ON EXTERIOR FRAME WALLS.
10. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.

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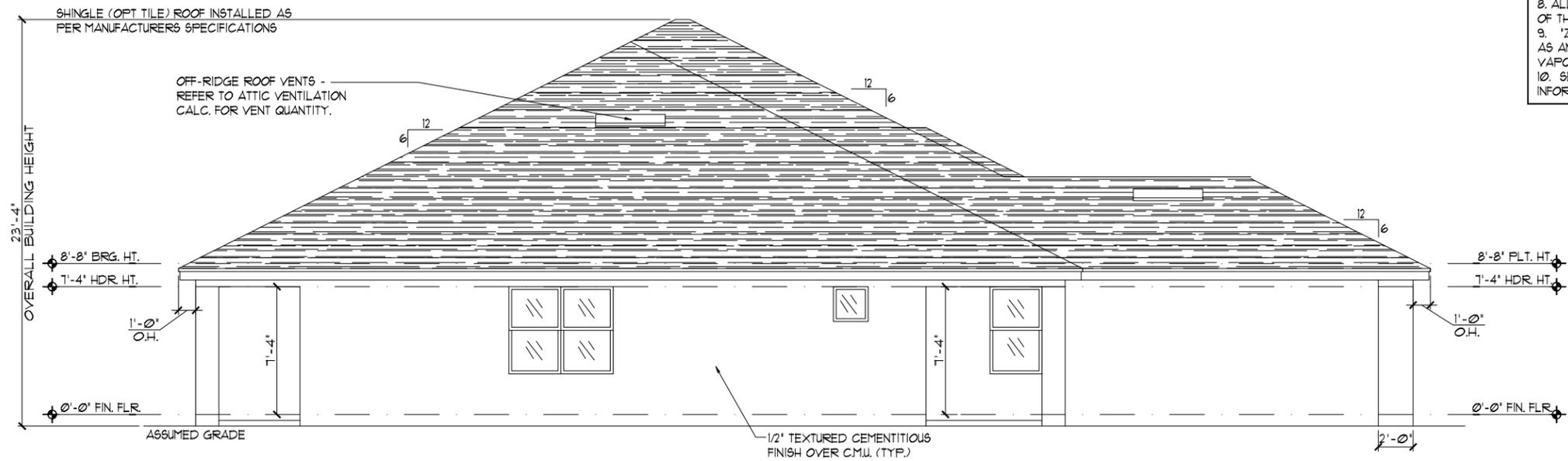
<b>PAIRED VILLAS</b> (PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF) PACIFIC/GULF/ HARBOR SERIES	
<b>EXTERIOR ELEVATION</b> FRONT AND REAR	
<b>REVISIONS</b>	
DELTA #	DATE
DATE: XX-XX-24	
SCALE: AS NOTED	
DRAWN: MR	
SHEET:	
03.CE	

**ITTEG**  
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 4401 Vineland Road Suite A1 Orlando, FL 32811  
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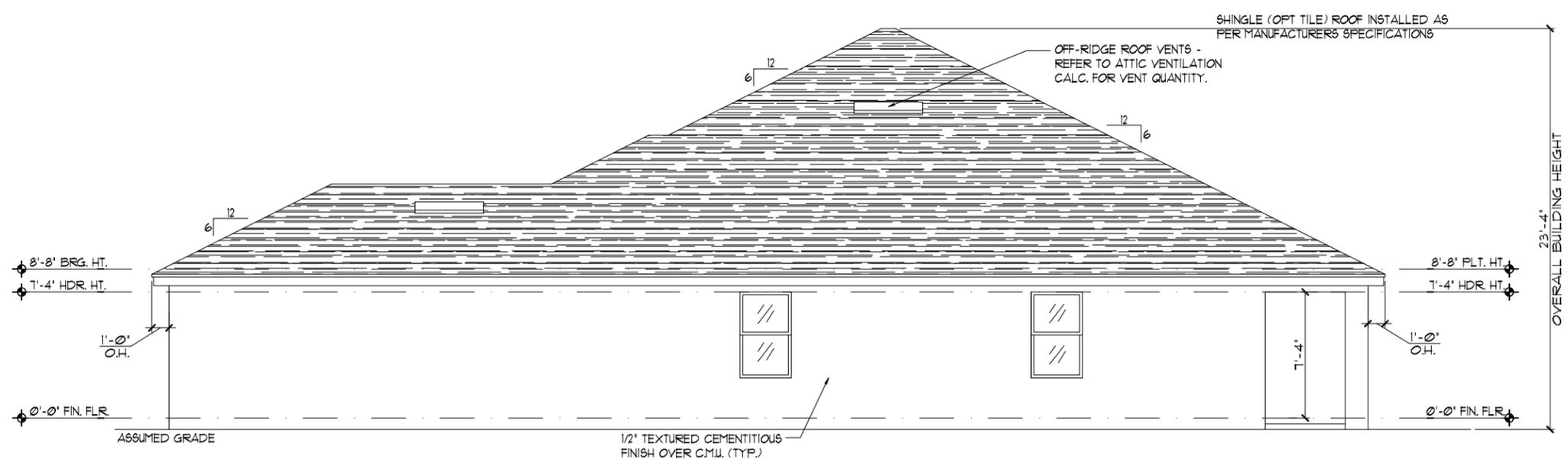
A DIVISION OF PARK SQUARE  
**Park Square**  
 HOMES  
 Phone: (407) 529 - 3000

EXTERIOR FINISH NOTES

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4. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.2 & R103.13 OF THE 8TH EDITION, FBC-R 2023.
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9. "ZIP SYSTEMS" WALL SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER, ON EXTERIOR FRAME WALLS.
10. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.



ELEVATION PACIFIC-HARBOR  
LEFT ELEVATION  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



ELEVATION PACIFIC-HARBOR  
RIGHT ELEVATION  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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Orlando, Florida 32811  
Phone: (407) 529 - 3000

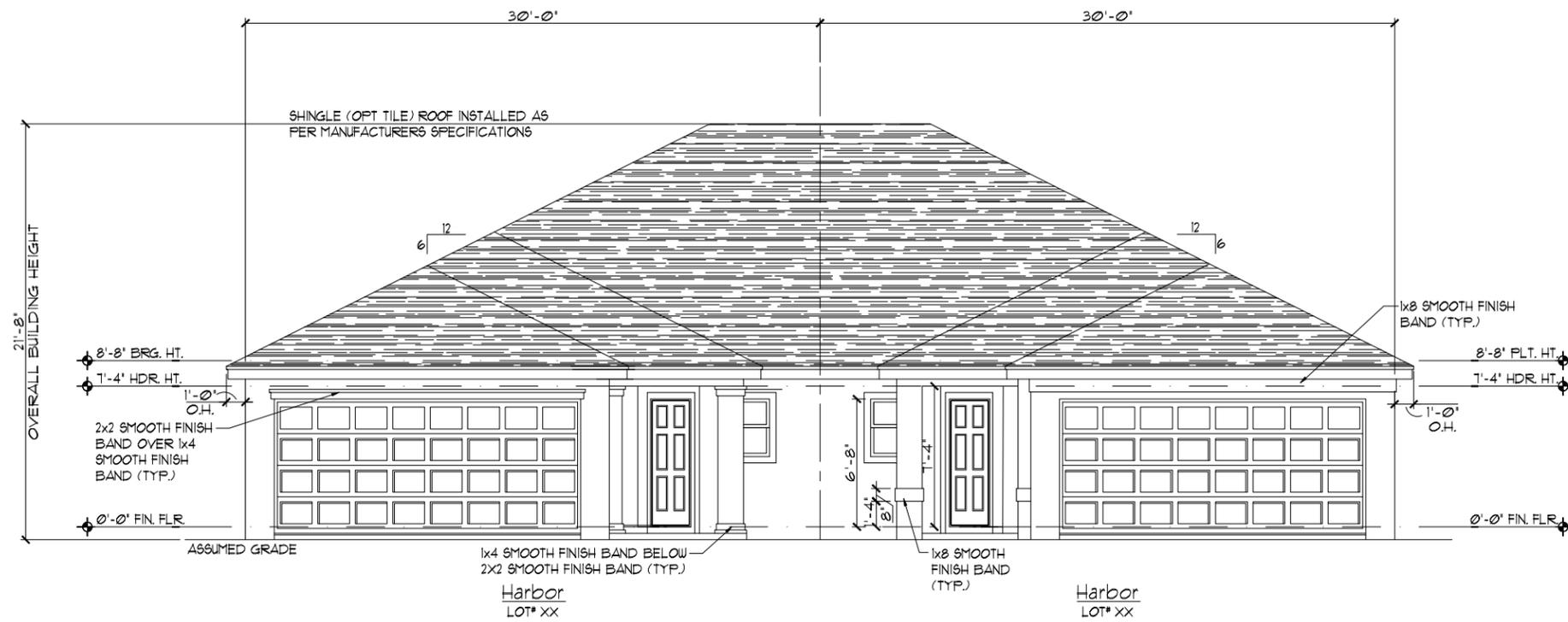


EXTERIOR ELEVATION  
LEFT AND RIGHT

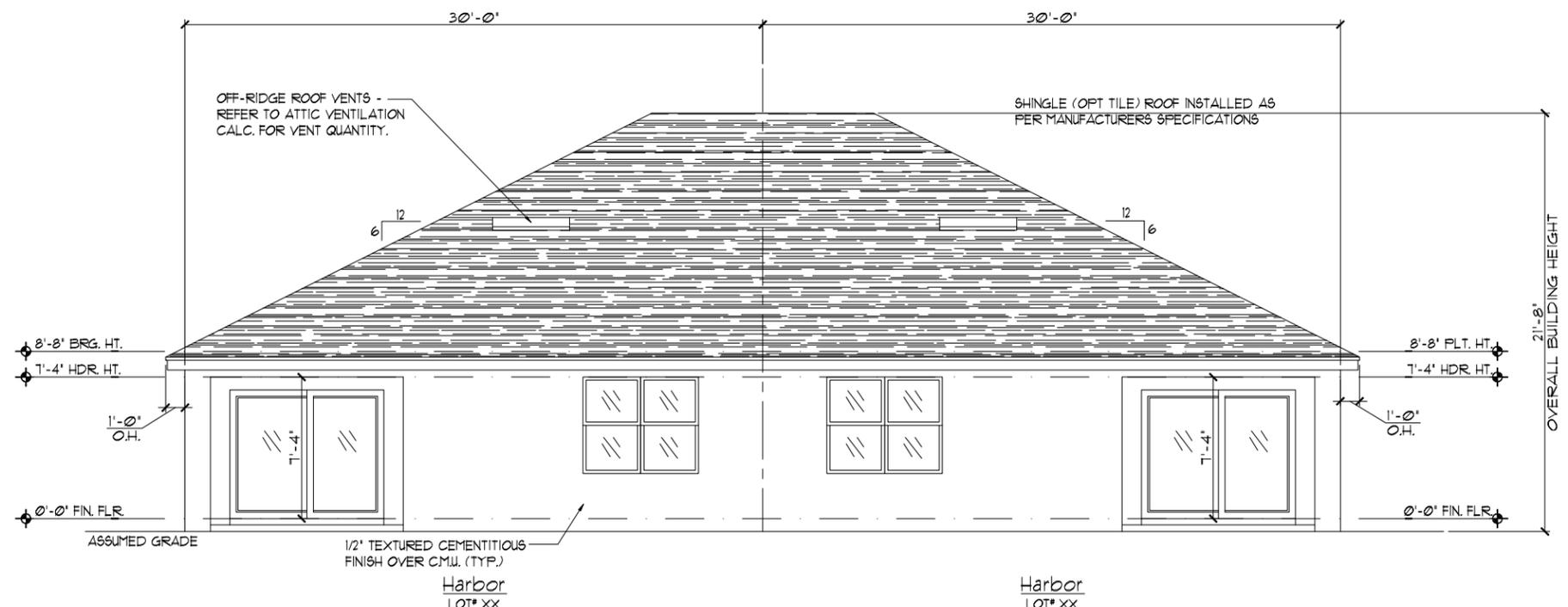
PAIRED VILLAS  
(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
PACIFIC/GULF/  
HARBOR SERIES

REVISIONS	
DELTA #	DATE

DATE: XX-XX-24  
SCALE: AS NOTED  
DRAWN: MR  
SHEET: 03.1CF



**ELEVATION HARBOR-HARBOR  
FRONT ELEVATION**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



**ELEVATION HARBOR-HARBOR  
REAR ELEVATION**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

- EXTERIOR FINISH NOTES**
1. LATH TO BE ATTACHED IAW R103.11 OF THE 8TH EDITION, FBC-R 2023 & ASTM C1063 OR C1101.
  2. PLASTERING TO BE INSTALLED IAW R103.1 & R103.12 OF THE 8TH EDITION, FBC-R 2023.
  3. WEEP SCREED TO BE INSTALLED IAW R103.12.1 OF THE 8TH EDITION, FBC-R 2023 & ASTM C326.
  4. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.2 & R103.13 OF THE 8TH EDITION, FBC-R 2023.
  5. FLASHING TO BE INSTALLED IAW R103.4 OF THE 8TH EDITION, FBC-R 2023.
  6. WIND RESISTANCE OF WALL COVERINGS & BACK MATERIALS SHALL BE IAW R103.12 OF THE 8TH EDITION, FBC-R 2023.
  7. ALL HORIZONTAL & VERTICAL CONTROL JOINTS SHALL BE INSTALLED IAW ASTM 1063.
  8. ALL FIBER CEMENT SIDING SHALL BE IAW R103.1 OF THE 8TH EDITION, FBC-R 2023.
  9. "ZIP SYSTEMS" WALL SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER ON EXTERIOR FRAME WALLS.
  10. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, COMMUNITY



A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
5200 Vineland Road, Suite 200  
Orlando, Florida 32811  
Phone: (407) 529-3000

**Park Square HOMES**  
EXTERIOR ELEVATION  
FRONT AND REAR

PAIRED VILLAS  
(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
PACIFIC/GULF/  
HARBOR SERIES

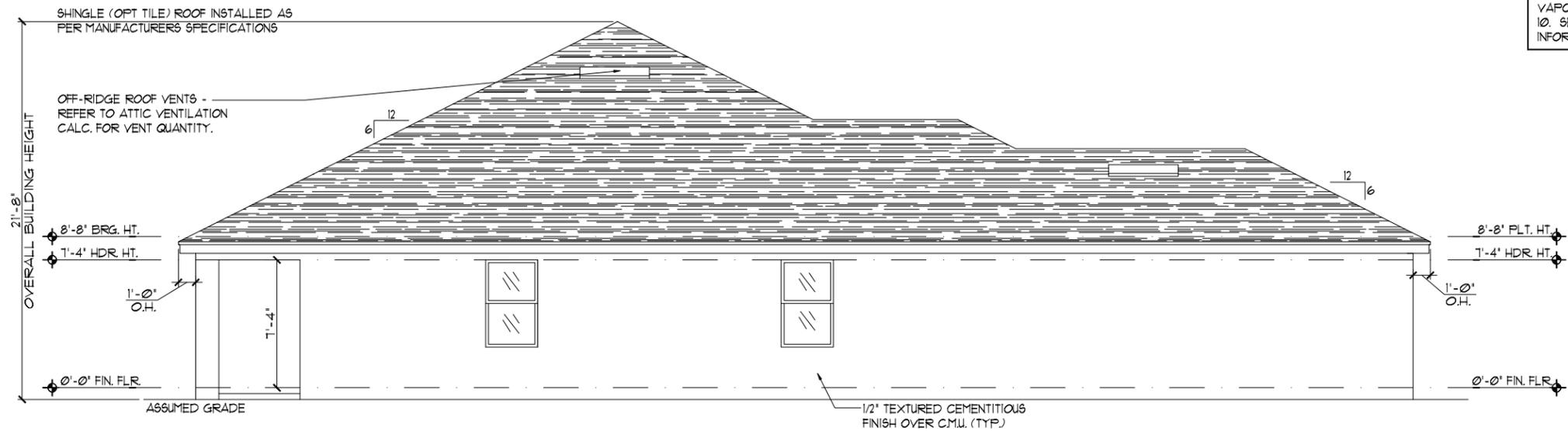
REVISIONS	
DELTA #	DATE

DATE: XX-XX-24  
SCALE: AS NOTED  
DRAWN: MR  
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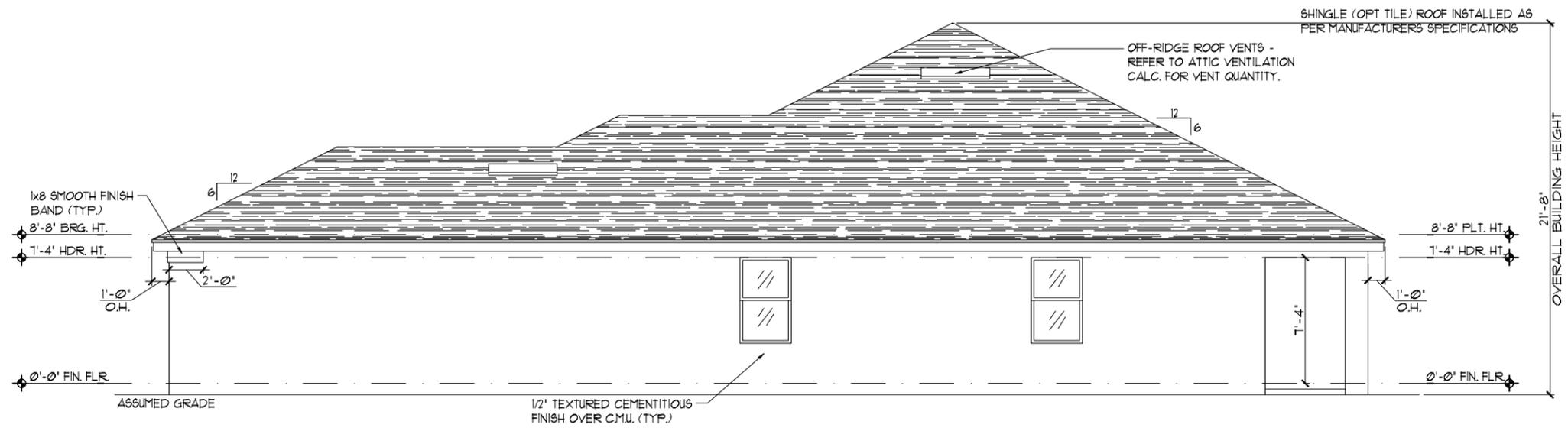
DISCLAIMER: CONTRACTOR/SUB-CONTRACTOR IS RESPONSIBLE TO REVIEW ALL INFORMATION CONTAINED HEREIN PRIOR TO COMMENCEMENT OF CONSTRUCTION. PARK SQUARE HOMES IS NOT RESPONSIBLE FOR ANY MISINTERPRETATIONS, ERRORS, OMISSIONS OR CUSTOM CHANGES MISSED AND NOT REPORTED PRIOR TO CONSTRUCTION. NO EXCEPTIONS.

EXTERIOR FINISH NOTES

1. LATH TO BE ATTACHED IAW R103.11 OF THE 8TH EDITION, FBC-R 2023 & ASTM C1063 OR C1107.
2. PLASTERING TO BE INSTALLED IAW R103.7 & R103.12 OF THE 8TH EDITION, FBC-R 2023
3. WEEP SCREED TO BE INSTALLED IAW R103.12.1 OF THE 8TH EDITION, FBC-R 2023 & ASTM C926.
4. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.2 & R103.13 OF THE 8TH EDITION, FBC-R 2023.
5. FLASHING TO BE INSTALLED IAW R103.4 OF THE 8TH EDITION, FBC-R 2023.
6. WIND RESISTANCE OF WALL COVERINGS & BACK MATERIALS SHALL BE IAW R103.12 OF THE 8TH EDITION, FBC-R 2023
7. ALL HORIZONTAL & VERTICAL CONTROL JOINTS SHALL BE INSTALLED IAW ASTM 1063.
8. ALL FIBER CEMENT SIDING SHALL BE IAW R103.1 OF THE 8TH EDITION, FBC-R 2023.
9. 'ZIP SYSTEMS' WALL SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER, ON EXTERIOR FRAME WALLS.
10. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.



ELEVATION HARBOR-HARBOR  
LEFT ELEVATION  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



ELEVATION HARBOR-HARBOR  
RIGHT ELEVATION  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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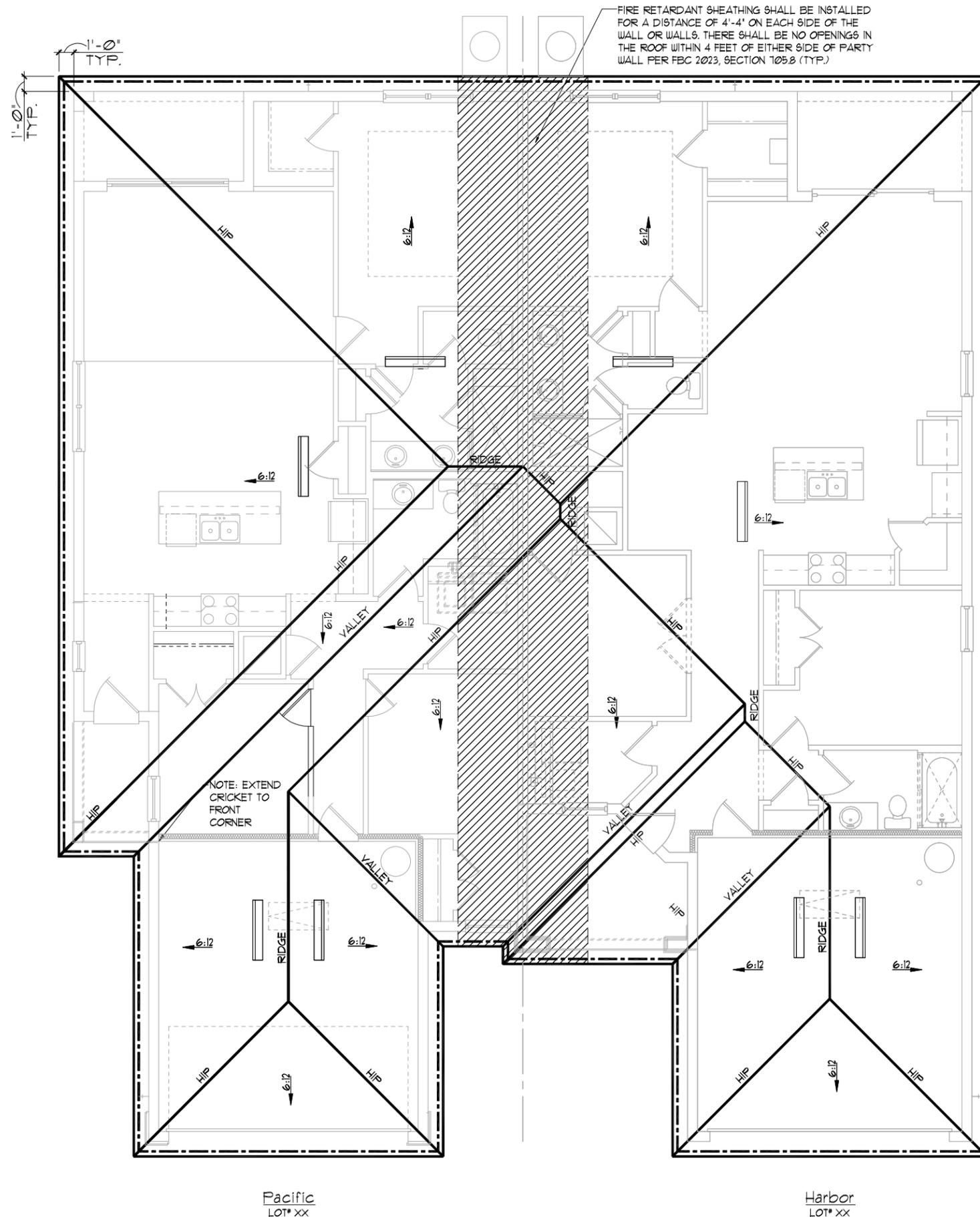
EXTERIOR ELEVATION  
LEFT AND RIGHT

PAIRED VILLAS  
(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
PACIFIC/GULF/  
HARBOR SERIES

REVISIONS	
DELTA #	DATE

DATE: XX-XX-24  
SCALE: AS NOTED  
DRAWN: MR  
SHEET: 03.1FF





GENERAL NOTES

ELEV C-D

ENCLOSED ATTIC SPACES AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. MINIMUM NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/300 OF THE AREA OF THE VENTED SPACE, (EXCEPT THAT THE REDUCTION OF THE TOTAL AREA TO 1/300 IS PERMITTED, PROVIDED THAT AT LEAST 40% AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT NO MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS.)

1. PLAN SHOWS APPROXIMATE VENT LOCATIONS AND STILL REQUIRES REVIEW BY THE BUILDER/G.C. TO VERIFY ALL VENTING COMPONENTS ARE INSTALLED PER THE MIN. REQUIREMENTS AS STATED IN THE CURRENT EDITION OF THE FBC(R) SECTION R306 AND ALL SUBSEQUENT SUB-SECTIONS.
2. WHERE EAVE OR CORNICE VENTS ARE INSTALLED, PROVIDE BAFFLES TO MAINTAIN A MIN. 1" AIRSPACE BETWEEN INSULATION AND ROOF SHEATHING AND AT THE LOCATION OF THE VENT.
3. VENTILATION OPENINGS SHALL HAVE A LEAST DIMENSIONS OF 1/16" MIN. AND 1/4" MAX. VENTILATION OPENINGS HAVING A LEAST DIMENSION GREATER THAN 1/4" SHALL BE PROVIDED WITH AN APPROVED CORROSION PROTECTIVE COVER HAVING A LEAST DIMENSIONS OF 1/16" AND 1/4" MAXIMUM.
4. ALL VENTS SHALL BE INSTALLED PER THE MANUFACTURER'S WRITTEN SPECIFICATIONS (FREE FROM BLOCKAGES AND/OR OBSTRUCTIONS) PROVIDING ADEQUATE CROSS VENTILATION.
5. THE BUILDER/ROOFING CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL CALCULATIONS AND QUANTITIES OF REQUIRED VENTILATORS PRIOR TO INSTALLATION.
6. ROOF PLAN DEPICTED IS NOT INTENDED TO SERVE AS A TRUSS DESIGN
7. SEE BUILDING SECTIONS, WALL SECTIONS & ELEVATIONS FOR BEARING HEIGHTS

CALCULATIONS BELOW ARE BASED OFF OF THE FOLLOWING ASSUMPTIONS:

OFF RIDGE VENTS TO HAVE A NET FREE VENTILATION AREA OF:

TILE:	O'HAGIN- MODEL 'S'	= 915 SQ. INCHES PER VENT INSTALLED
SHINGLE:	MILLENNIUM METALS- MM1-2	= 805 SQ. INCHES PER VENT INSTALLED
	LOMANCO-T10D	= 140 SQ. INCHES PER VENT INSTALLED

INDICATES POSSIBLE LOCATION OF OFF RIDGE VENTS

SOFFIT VENTILATION TO HAVE A NET FREE VENTILATION AREA OF 10 SQ. INCHES PER LINEAR FOOT

INDICATES POSSIBLE LOCATION OF SOFFIT VENTING

ATTIC VENTILATION CALCULATIONS

NET FREE VENTILATED AREA(S):  
(O'HAGIN- MODEL 'S')  
NFVA = 3,810 SQ. FT. \* 144 / 300 = 143-928 SQ. IN. REQUIRED (40%-50%)  
(8) OFF RIDGE VENTS @ 915 SQ. IN. (O'HAGIN- MODEL 'S') = 180 SQ. IN. PROVIDED

(MILLENNIUM METALS- MM1-2)  
NFVA = 3,810 SQ. FT. \* 144 / 300 = 143-928 SQ. IN. REQUIRED (40%-50%)  
(10) OFF RIDGE VENTS @ 805 SQ. IN. (MILLENNIUM METALS- MM1-2) = 805 SQ. IN. PROVIDED

(LOMANCO-T10D)  
NFVA = 3,810 SQ. FT. \* 144 / 300 = 143-928 SQ. IN. REQUIRED (40%-50%)  
(6) OFF RIDGE VENTS @ 140 SQ. IN. (LOMANCO-T10D) = 840 SQ. IN. PROVIDED

+/- 200 LINEAR FEET OF VENTED SOFFIT.

NOTE: EXTEND CRICKET TO FRONT CORNER

Pacific  
LOT# XX

Harbor  
LOT# XX

ELEVATION  
PACIFIC-HARBOR  
ROOF PLAN  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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LOT: 0000, COMMUNITY

**ITEG**  
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PAIRED VILLAS  
(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
PACIFIC/GULF/  
HARBOR SERIES

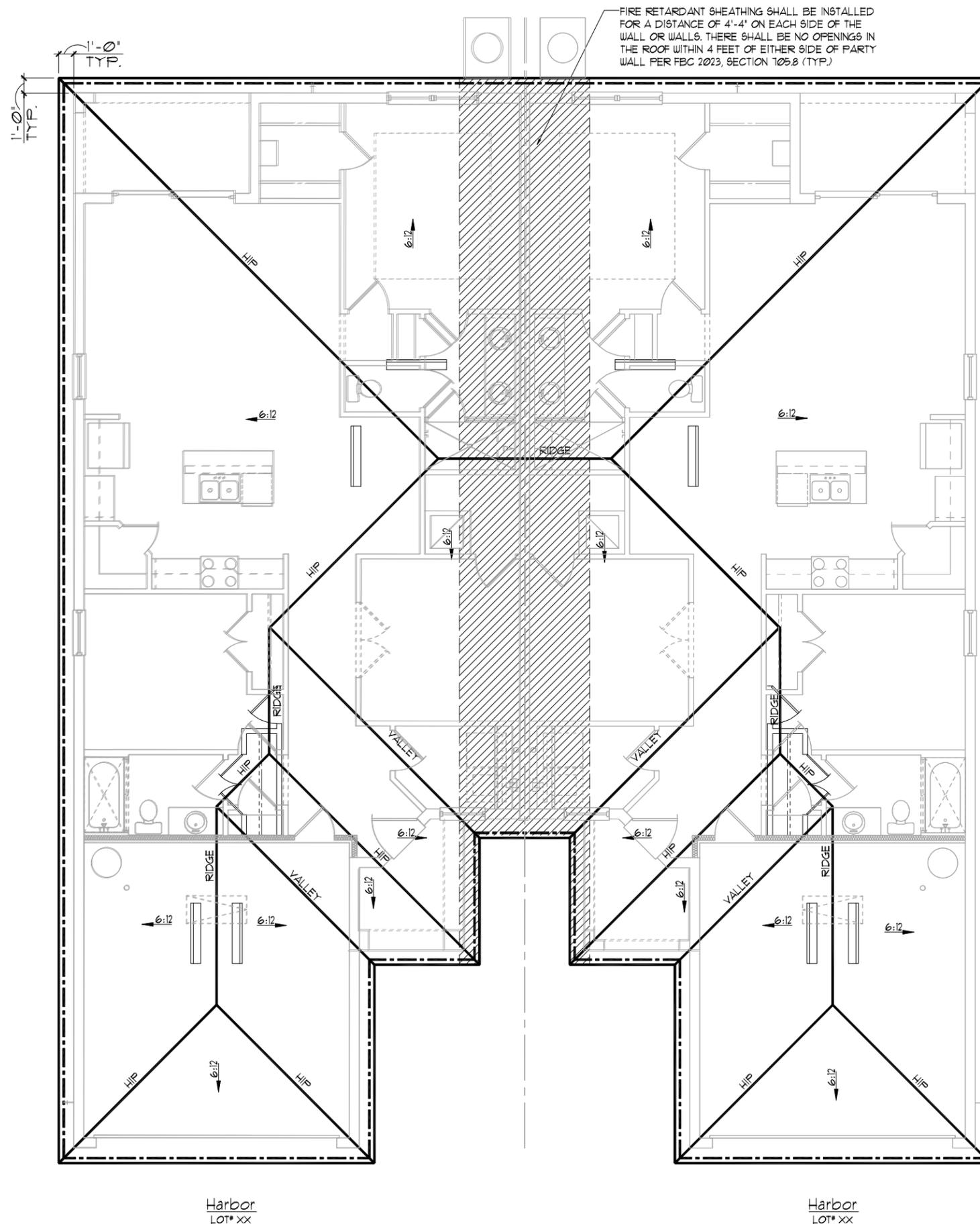
REVISIONS

DELTA #	DATE

DATE: XX-XX-24  
SCALE: AS NOTED  
DRAWN: MR  
SHEET:

04

CF



GENERAL NOTES

ELEV D-D

ENCLOSED ATTIC SPACES AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. MINIMUM NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/300 OF THE AREA OF THE VENTED SPACE, (EXCEPT THAT THE REDUCTION OF THE TOTAL AREA TO 1/300 IS PERMITTED, PROVIDED THAT AT LEAST 40% AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT NO MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS.)

1. PLAN SHOWS APPROXIMATE VENT LOCATIONS AND STILL REQUIRES REVIEW BY THE BUILDER/G.C. TO VERIFY ALL VENTING COMPONENTS ARE INSTALLED PER THE MIN. REQUIREMENTS AS STATED IN THE CURRENT EDITION OF THE FBC(R) SECTION R306 AND ALL SUBSEQUENT SUB-SECTIONS.
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3. VENTILATION OPENINGS SHALL HAVE A LEAST DIMENSIONS OF 1/16" MIN. AND 1/4" MAX. VENTILATION OPENINGS HAVING A LEAST DIMENSION GREATER THAN 1/4" SHALL BE PROVIDED WITH AN APPROVED CORROSION PROTECTIVE COVER HAVING A LEAST DIMENSIONS OF 1/16" AND 1/4" MAXIMUM.
4. ALL VENTS SHALL BE INSTALLED PER THE MANUFACTURER'S WRITTEN SPECIFICATIONS (FREE FROM BLOCKAGES AND/OR OBSTRUCTIONS) PROVIDING ADEQUATE CROSS VENTILATION.
5. THE BUILDER/ROOFING CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL CALCULATIONS AND QUANTITIES OF REQUIRED VENTILATORS PRIOR TO INSTALLATION.
6. ROOF PLAN DEPICTED IS NOT INTENDED TO SERVE AS A TRUSS DESIGN
7. SEE BUILDING SECTIONS, WALL SECTIONS & ELEVATIONS FOR BEARING HEIGHTS

CALCULATIONS BELOW ARE BASED OFF OF THE FOLLOWING ASSUMPTIONS:

OFF RIDGE VENTS TO HAVE A NET FREE VENTILATION AREA OF:

TILE:	O'HAGIN- MODEL-'S'	915 SQ. INCHES PER VENT INSTALLED
SHINGLE:	MILLENNIUM METALS- MM1-2	805 SQ. INCHES PER VENT INSTALLED
	LOMANCO-T10D	140 SQ. INCHES PER VENT INSTALLED

INDICATES POSSIBLE LOCATION OF OFF RIDGE VENTS

SOFFIT VENTILATION TO HAVE A NET FREE VENTILATION AREA OF 10 SQ. INCHES PER LINEAR FOOT

INDICATES POSSIBLE LOCATION OF SOFFIT VENTING

ATTIC VENTILATION CALCULATIONS

NET FREE VENTILATED AREA(S):  
(O'HAGIN- MODEL 'S')  
NFVA = 3,842 SQ. FT \* 144 / 300 = 138-922 SQ. IN. REQUIRED (40%-50%)  
(8) OFF RIDGE VENTS @ 915 SQ. IN. (O'HAGIN- MODEL 'S') = 7320 SQ. IN. PROVIDED

(MILLENNIUM METALS- MM1-2)  
NFVA = 3,810 SQ. FT \* 144 / 300 = 138-922 SQ. IN. REQUIRED (40%-50%)  
(10) OFF RIDGE VENTS @ 805 SQ. IN. (MILLENNIUM METALS- MM1-2) = 8050 SQ. IN. PROVIDED

(LOMANCO-T10D)  
NFVA = 3,810 SQ. FT \* 144 / 300 = 138-922 SQ. IN. REQUIRED (40%-50%)  
(6) OFF RIDGE VENTS @ 140 SQ. IN. (LOMANCO-T10D) = 840 SQ. IN. PROVIDED

+/- 200 LINEAR FEET OF VENTED SOFFIT.

Harbor  
LOT# XX

Harbor  
LOT# XX

ELEVATION  
HARBOR-HARBOR  
ROOF PLAN  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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LOT: 0000, COMMUNITY

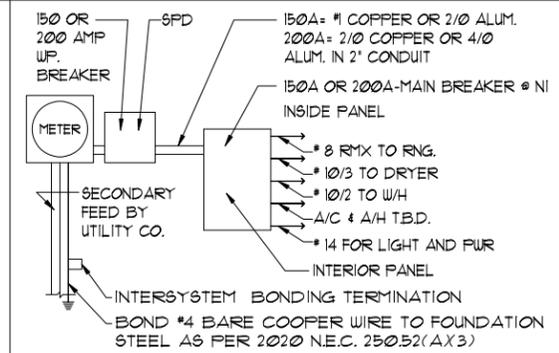
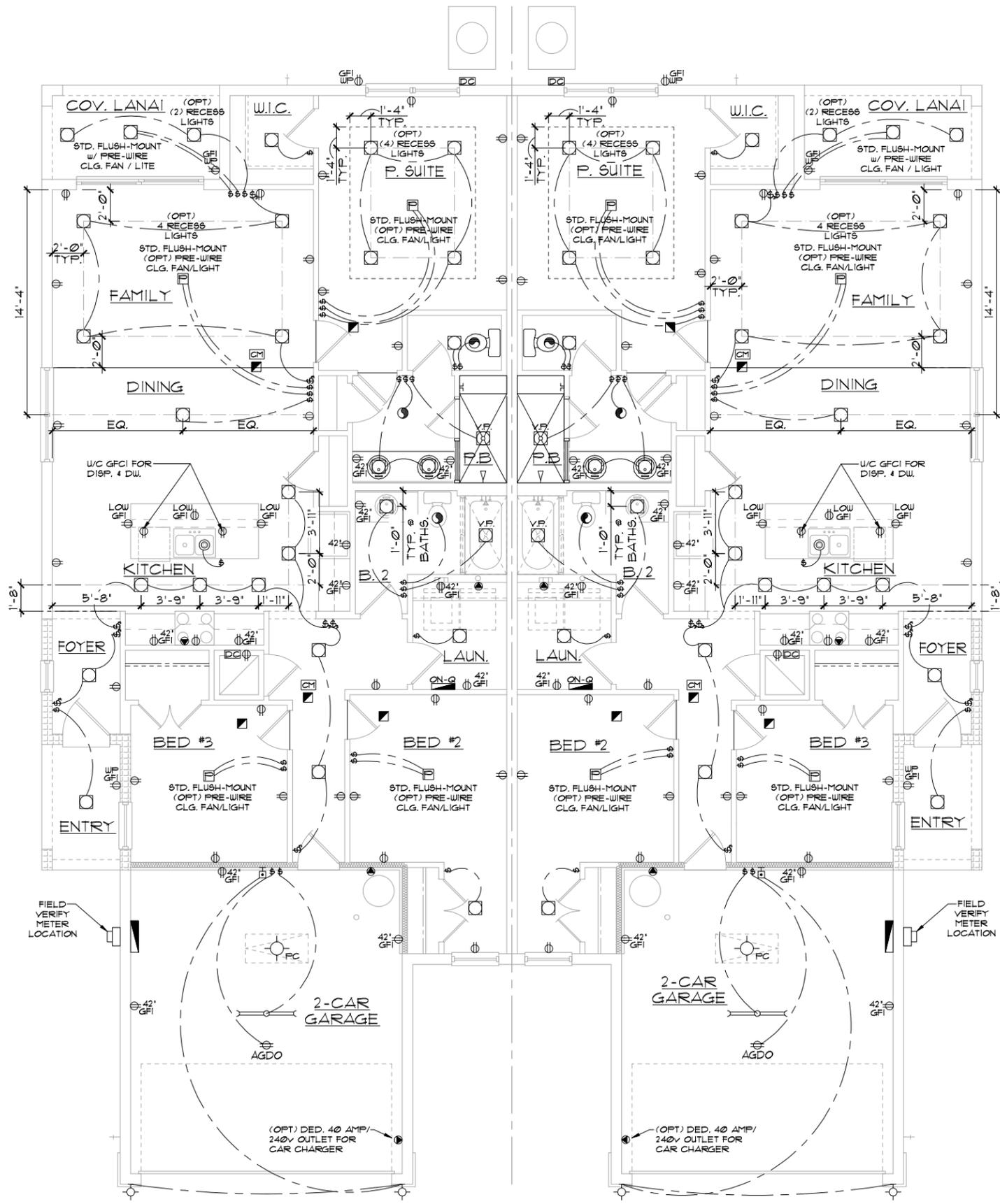
PAIRED VILLAS (PACIFIC-PACIFIC), PACIFIC-GULF, GULF-GULF/ PACIFIC/GULF/ HARBOR SERIES	
REVISIONS	
DELTA #	DATE
	DATE: XX-XX-24
	SCALE: AS NOTED
DRAWN:	MR
SHEET:	04.EE

**ITEG**  
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**Park Square HOMES**

ROOF PLAN



**ELECTRICAL RISER DIAGRAM**  
N.T.S.

NOTES:  
1. ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)1) TO (6), NFPA 70, LOCAL CODES, AND THE LOCAL POWER/UTILITY COMPANY.  
2. ALL SERVICES SUPPLYING DWELLING UNITS SHALL BE PROVIDED WITH A SURGE-PROTECTION DEVICE (SPD) THE SPD SHALL BE A TYPE 1 OR TYPE 2 SPD.  
3. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.

**250.52(A)3 Concrete-Encased Electrode.**  
Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long. Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long. There are two types of concrete-encased electrodes: (1) steel reinforcing bars or rods which are not less than 1/2 inch in diameter and at least 20 ft. long, encased in 2 inches of concrete; (2) 20 ft. of bare copper conductor not smaller than No. 4 AWG encased in 2 inches of concrete. The steel reinforcing rods must be in a location that is in direct contact with the earth. The reinforcing rods can be connected with tie wires, and a single length of rod can be used as the concrete-encased electrode. The reinforcing rods cannot be coated with non-conductive material. Section 250.52 requires a concrete-encased electrode to be connected to the grounding electrode system if it is present. Several states have modified this requirement to say a concrete-encased electrode must be used as a grounding electrode only if it is available. In those jurisdictions, if the footings or foundations have been poured before the electrical contractor arrives at the site, and a reinforcing rod is not available for use as a grounding electrode, then a grounding connection to the reinforcing rod is not required.

**ELECTRICAL LEGEND**

⊕ SINGLE POLE SWITCH	◀ OUTLET, PHONE
⊕ THREE WAY SWITCH	◻ INTERCOM
⊕ OUTLET 110-115	◻ CHIMES
⊕ OUTLET 110-115, SPLIT WIRED	◻ SMOKE DETECTOR/SMOKE ALARM W/ INTEGRATED SOUNDER BASE
⊕ OUTLET 110-115, W/ USB	◻ CARBON MONOXIDE
⊕ OUTLET 110-115, CEILING MOUNTED	◻ PUSH BUTTON
⊕ OUTLET 110-115, FLOOR MOUNTED	◻ EXHAUST FAN
⊕ SPECIAL PURPOSE 220-240	◻ EX. FAN/LIGHT COMBO
⊕ LIGHT FIXTURE, CEILING MOUNTED	⊕ DISPOSAL
⊕ LIGHT FIXTURE, WALL MOUNTED	◻ ON-Q PANEL
⊕ LED LIGHT FIXTURE, RECESSED	◻ ELECTRICAL PANEL
⊕ LIGHT FIXTURE, RECESSED ADJUST.	◻ CEILING FAN, PREWIRE
⊕ LIGHT FIXTURE, PULL CHAIN	◻ CEILING FAN, INSTALL
⊕ LED LIGHT FIXTURE, FLUORESCENT	◻ ELEC. JUNCTION BOX
⊕ LIGHT FIXTURE, EXTERIOR FLOODS	◻ THERMOSTAT
⊕ LIGHT FIXTURE, EMERGENCY EXIT	◻ DISCONNECT SWITCH
⊕ LIGHT FIXTURE, EXIT/BACKUP	◻ ELEC. POWER METER
◻ OUTLET, TV/CABLE	

**ELECTRICAL DEVICES**

	ABOVE FIN. FLR.
SWITCHES AND WALL OUTLETS OVER COUNTERS	48" TO C.L.
REMAINING SWITCHES	48" TO C.L.
WALL OUTLETS	12" TO C.L.
TELEPHONE OUTLETS	12" TO C.L.
TELEVISION OUTLETS	12" TO C.L.
EXTERIOR GFI'S	12" TO C.L.
GARAGE GFI'S (ABOVE GARAGE FLOOR)	48" TO C.L.
THERMOSTAT	54" TO C.L.
DOOR BELL CHIMES	84" TO C.L.
DOOR BELL BUTTON	LEVEL W/ DOOR HANDLE
KITCHEN HOOD FAN "WHIP"	66" TO C.L.
KITCHEN WALL HUNG MICROWAVE RECEPTACLE	16" TO C.L.
KITCHEN DISHWASHER RECEPTACLE	UNDER SINK
KITCHEN RANGE	24" TO C.L.
KITCHEN REFRIGERATOR	48" TO C.L.
WASHER/DRYER OUTLET	36" TO C.L.
HOLLYWOOD LIGHTS	84" TO C.L.

CL. = CENTER LINE

**ELEVATION Pacific-Pacific**  
**UTILITY PLAN**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

NOTE: SEE FINAL COLOR SHEET FOR TV, FANS & PHONE LOCATIONS  
NOTE: ELEC. CONTRACTOR TO VERIFY IF ON-Q IS NEEDED PER COMMUNITY SPECS.

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**Park Square HOMES**

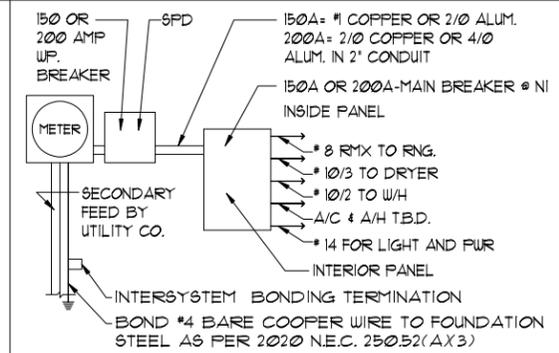
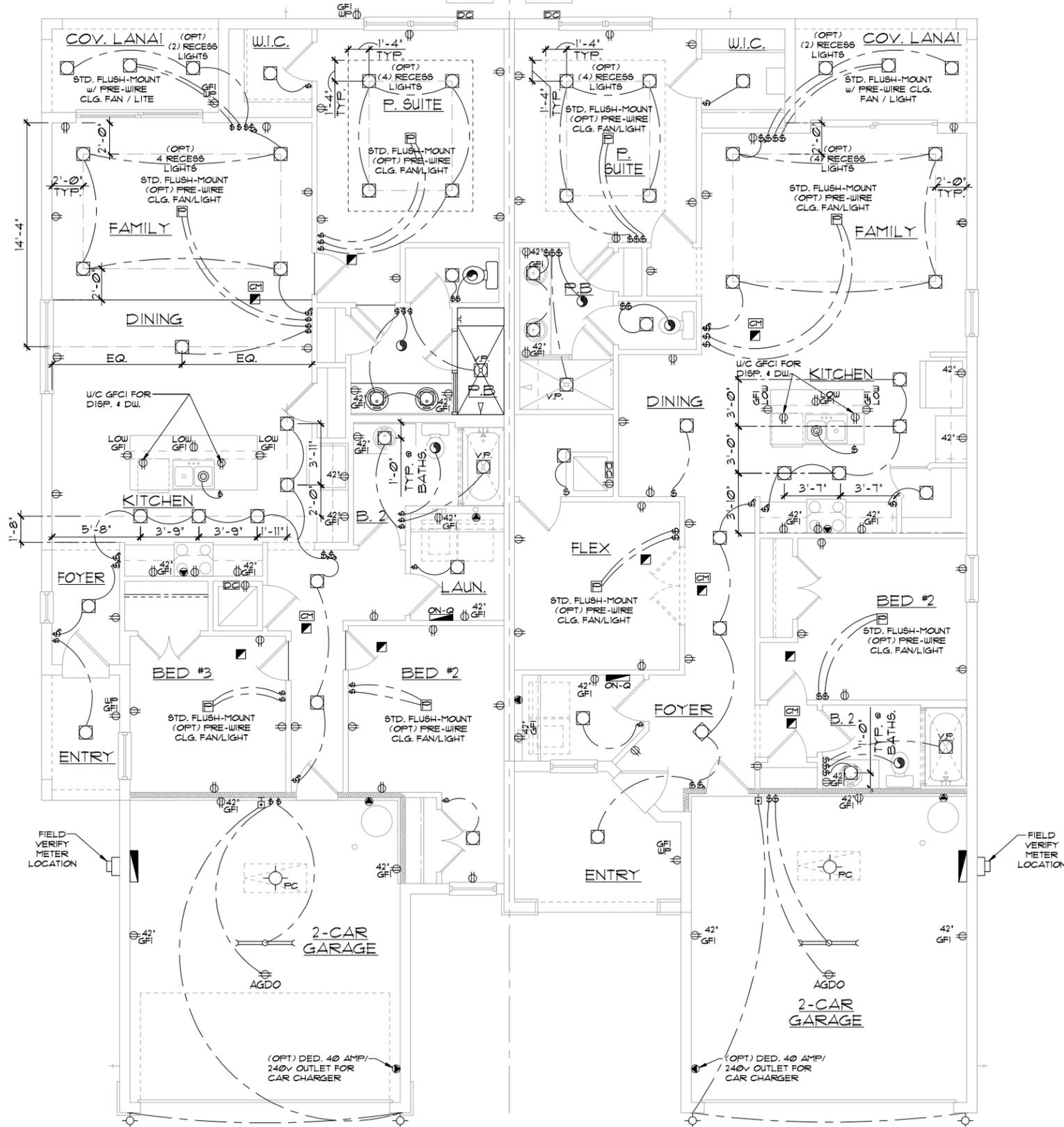
**UTILITY PLAN**

**PAIRED VILLAS**  
 (PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
 PACIFIC/GULF/  
 HARBOR SERIES

REVISIONS	
DELTA #	DATE

DATE: XX-XX-24  
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 DRAWN: MR  
 SHEET:

**F1.CC**



**ELECTRICAL RISER DIAGRAM**  
N.T.S.

NOTES:  
1. ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)(1) TO (6), NFPA 70, LOCAL CODES, AND THE LOCAL POWER/UTILITY COMPANY.  
2. ALL SERVICES SUPPLYING DWELLING UNITS SHALL BE PROVIDED WITH A SURGE-PROTECTION DEVICE (SPD) THE SPD SHALL BE A TYPE I OR TYPE 2 SPD.  
3. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.

**250.52(A)(3) Concrete-Encased Electrode.**  
Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long. Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long. There are two types of concrete-encased electrodes: (1) steel reinforcing bars or rods which are not less than 1/2 inch in diameter and at least 20 ft. long, encased in 2 inches of concrete; (2) 20 ft. of bare copper conductor not smaller than No. 4 AWG encased in 2 inches of concrete. The steel reinforcing rods must be in a location that is in direct contact with the earth. The reinforcing rods can be connected with tie wires, and a single length of rod can be used as the concrete-encased electrode. The reinforcing rods cannot be coated with non-conductive material. Section 250.52 requires a concrete-encased electrode to be connected to the grounding electrode system if it is present. Several states have modified this requirement to say a concrete-encased electrode must be used as a grounding electrode only if it is available. In those jurisdictions, if the footings or foundations have been poured before the electrical contractor arrives at the site, and a reinforcing rod is not available for use as a grounding electrode, then a grounding connection to the reinforcing rod is not required.

**ELECTRICAL LEGEND**

⊕	SINGLE POLE SWITCH	◀	OUTLET, PHONE
⊕	THREE WAY SWITCH	◻	INTERCOM
⊕	OUTLET 110-115	◻	CHIMES
⊕	OUTLET 110-115, SPLIT WIRED	◻	SMOKE DETECTOR/SMOKE ALARM W/ INTEGRATED SOUNDER BASE
⊕	OUTLET 110-115, W/ USB	◻	CARBON MONOXIDE
⊕	OUTLET 110-115, CEILING MOUNTED	◻	PUSH BUTTON
⊕	OUTLET 110-115, FLOOR MOUNTED	◻	EXHAUST FAN
⊕	SPECIAL PURPOSE 220-240	◻	EX. FAN/LIGHT COMBO
⊕	LIGHT FIXTURE, CEILING MOUNTED	◻	DISPOSAL
⊕	LIGHT FIXTURE, WALL MOUNTED	◻	ON-Q PANEL
⊕	LED LIGHT FIXTURE, RECESSED	◻	ELECTRICAL PANEL
⊕	LIGHT FIXTURE, RECESSED ADJUST.	◻	CEILING FAN, PREWIRE
⊕	LIGHT FIXTURE, PULL CHAIN	◻	CEILING FAN, INSTALL
⊕	LED LIGHT FIXTURE, FLUORESCENT	◻	ELEC. JUNCTION BOX
⊕	LIGHT FIXTURE, EXTERIOR FLOODS	◻	THERMOSTAT
⊕	LIGHT FIXTURE, EMERGENCY EXIT	◻	DISCONNECT SWITCH
⊕	LIGHT FIXTURE, EXIT/BACKUP	◻	ELEC. POWER METER
⊕	OUTLET, TV/CABLE		

**ELECTRICAL DEVICES**

	ABOVE FIN. FLR.
SWITCHES AND WALL OUTLETS OVER COUNTERS	48" TO C.L.
REMAINING SWITCHES	48" TO C.L.
WALL OUTLETS	12" TO C.L.
TELEPHONE OUTLETS	12" TO C.L.
TELEVISION OUTLETS	12" TO C.L.
EXTERIOR GFI'S	12" TO C.L.
GARAGE GFI'S (ABOVE GARAGE FLOOR)	48" TO C.L.
THERMOSTAT	54" TO C.L.
DOOR BELL CHIMES	84" TO C.L.
DOOR BELL BUTTON	LEVEL W/ DOOR HANDLE
KITCHEN HOOD FAN "WHIP"	66" TO C.L.
KITCHEN WALL HUNG MICROWAVE RECEPTACLE	16" TO C.L.
KITCHEN DISHWASHER RECEPTACLE	UNDER SINK
KITCHEN RANGE	24" TO C.L.
KITCHEN REFRIGERATOR	48" TO C.L.
WASHER/DRYER OUTLET	36" TO C.L.
HOLLYWOOD LIGHTS	84" TO C.L.

**ELEVATION Pacific-Harbor**  
**UTILITY PLAN**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2003 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

**TEG**  
THOMPSON ENGINEERING GROUP, INC.  
4401 Vineland Road, Suite 200  
Orlando, Florida 32811  
Phone: (407) 529-3000

A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
5200 Vineland Road, Suite 200  
Orlando, Florida 32811  
Phone: (407) 529-3000

**Park Square HOMES**

**UTILITY PLAN**

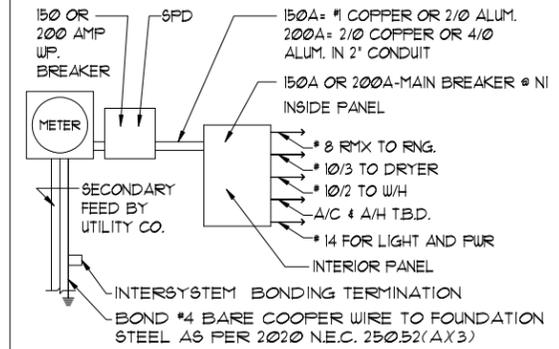
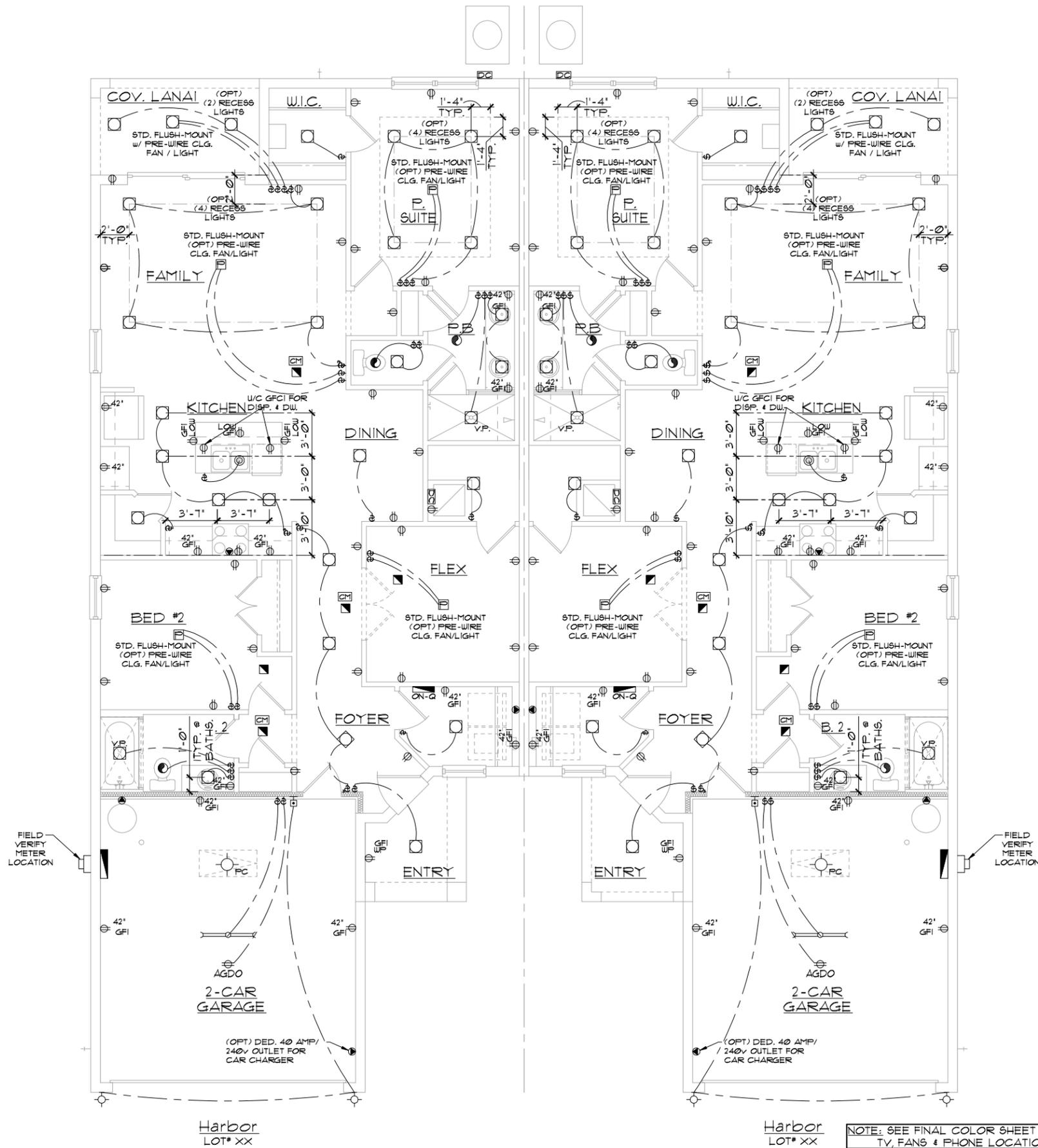
**PAIRED VILLAS**  
(PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
PACIFIC/GULF/  
HARBOR SERIES

**REVISIONS**

DELTA #	DATE

DATE: XX-XX-24  
SCALE: AS NOTED  
DRAWN: MR  
SHEET: E1.CD

DISCLAIMER: CONTRACTOR/SUB-CONTRACTOR IS RESPONSIBLE TO REVIEW ALL INFORMATION CONTAINED HEREIN PRIOR TO COMMENCEMENT OF CONSTRUCTION. PARK SQUARE HOMES IS NOT RESPONSIBLE FOR ANY MISINTERPRETATIONS, ERRORS, OMISSIONS OR CUSTOM CHANGES MISSED AND NOT REPORTED PRIOR TO CONSTRUCTION. NO EXCEPTIONS.



**ELECTRICAL RISER DIAGRAM**  
N.T.S.

NOTES:  
1. ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)1) TO (6), NFPA 70, LOCAL CODES, AND THE LOCAL POWER/UTILITY COMPANY.  
2. ALL SERVICES SUPPLYING DWELLING UNITS SHALL BE PROVIDED WITH A SURGE-PROTECTION DEVICE (SPD) THE SPD SHALL BE A TYPE 1 OR TYPE 2 SPD.  
3. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.

**250.52(A)3 Concrete-Encased Electrode.**  
Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long. Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long. There are two types of concrete-encased electrodes: (1) steel reinforcing bars or rods which are not less than 1/2 inch in diameter and at least 20 ft. long, encased in 2 inches of concrete; (2) 20 ft. of bare copper conductor not smaller than No. 4 AWG encased in 2 inches of concrete. The steel reinforcing rods must be in a location that is in direct contact with the earth. The reinforcing rods can be connected with tie wires, and a single length of rod can be used as the concrete-encased electrode. The reinforcing rods cannot be coated with non-conductive material. Section 250.52 requires a concrete-encased electrode to be connected to the grounding electrode system if it is present. Several states have modified this requirement to say a concrete-encased electrode must be used as a grounding electrode only if it is available. In those jurisdictions, if the footings or foundations have been poured before the electrical contractor arrives at the site, and a reinforcing rod is not available for use as a grounding electrode, then a grounding connection to the reinforcing rod is not required.

ELECTRICAL LEGEND			
⊕	SINGLE POLE SWITCH	◀	OUTLET, PHONE
⊕	THREE WAY SWITCH	◻	INTERCOM
⊕	OUTLET 110-115	◻	CHIMES
⊕	OUTLET 110-115, SPLIT WIRED	◻	SMOKE DETECTOR/SMOKE ALARM W/ INTEGRATED SOUNDER BASE
⊕	OUTLET 110-115, W/ USB	◻	CARBON MONOXIDE
⊕	OUTLET 110-115, CEILING MOUNTED	◻	PUSH BUTTON
⊕	OUTLET 110-115, FLOOR MOUNTED	◻	EXHAUST FAN
⊕	SPECIAL PURPOSE 220-240	◻	EX. FAN/LIGHT COMBO
⊕	LIGHT FIXTURE, CEILING MOUNTED	◻	DISPOSAL
⊕	LIGHT FIXTURE, WALL MOUNTED	◻	ON-Q PANEL
⊕	LED LIGHT FIXTURE, RECESSED	◻	ELECTRICAL PANEL
⊕	LIGHT FIXTURE, RECESSED ADJUST.	◻	CEILING FAN, PREWIRE
⊕	LIGHT FIXTURE, FULL CHAIN	◻	CEILING FAN, INSTALL
⊕	LED LIGHT FIXTURE, FLUORESCENT	◻	ELEC. JUNCTION BOX
⊕	LIGHT FIXTURE, EXTERIOR FLOODS	◻	THERMOSTAT
⊕	LIGHT FIXTURE, EMERGENCY EXIT	◻	DISCONNECT SWITCH
⊕	LIGHT FIXTURE, EXIT/BACKUP	◻	ELEC. POWER METER
⊕	OUTLET, TV/CABLE		

ELECTRICAL DEVICES		ABOVE FIN. FLR.	
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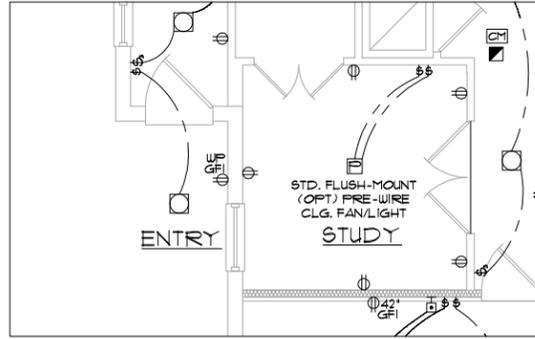
CL. = CENTER LINE

NOTE: SEE FINAL COLOR SHEET FOR TV, FANS & PHONE LOCATIONS

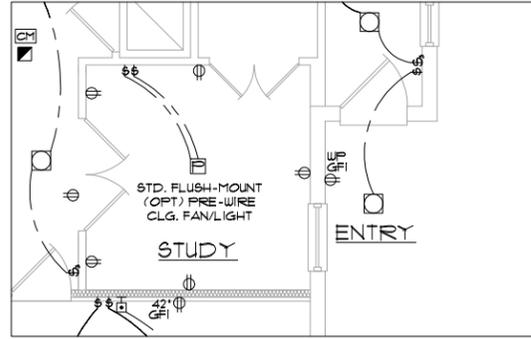
NOTE: ELEC. CONTRACTOR TO VERIFY IF ON-Q IS NEEDED PER COMMUNITY SPECS.

**ELEVATION Harbor-Harbor**  
**UTILITY PLAN**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

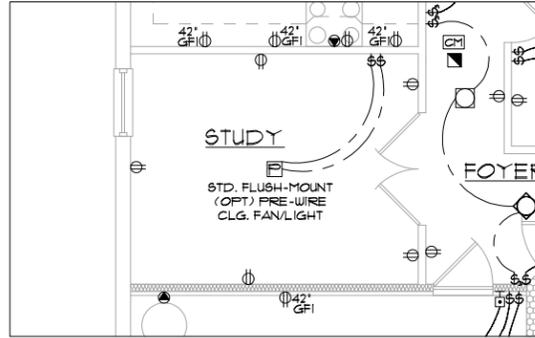
LOT: 0000, COMMUNITY  
 THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2003 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH  
 PAIRED VILLAS  
 (PACIFIC-PACIFIC), (PACIFIC-GULF), (GULF-GULF)  
 PACIFIC/GULF/  
 HARBOR SERIES  
 UTILITY PLAN  
 A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
 5200 Vineland Road, Suite 200  
 Orlando, Florida 32811  
 Phone: (407) 529-3000  
 THOMPSON ENGINEERING GROUP, INC.  
 4401 Vineland Road, Suite 100  
 Orlando, Florida 32811  
 Phone: (407) 754-1177  
 www.thomsoneng.com



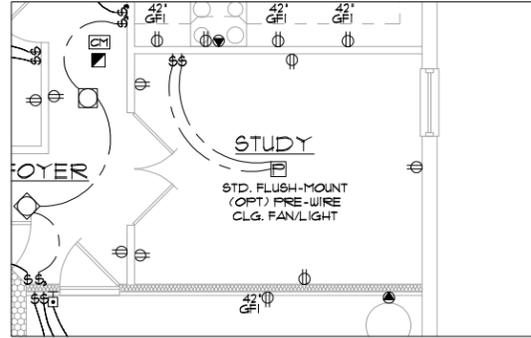
OPT STUDY - PACIFIC LH



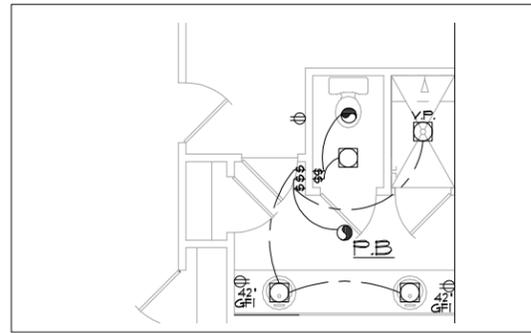
OPT STUDY - PACIFIC RH



OPT STUDY - GULF LH



OPT STUDY - GULF RH



OPT P. BATH - PACIFIC

OPTIONS  
UTILITY PLAN  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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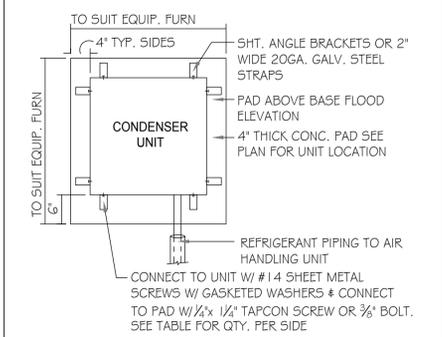
FLOOR PLAN W/ NOTES  
 Park Square Homes

A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
 5200 Vineland Road, Suite 200  
 Orlando, Florida 32811  
 Phone: (407) 529 - 3000



**FIELD REPAIR NOTES**

- 1- MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR EITF ADHESIVES.
- 2- BLOCK WALL OVERHANGING SLAB CONDITION: UP TO 7/8" - NO REPAIR NECESSARY 7/8" TO 1 1/4" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED. 1 1/4" + - REQUIRE SPECIAL ENGINEERING LETTER.
- 3- PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12 @ TOP AND BOTTOM PLATE.



ANCHOR SPACING TABLE	
LENGTH/SIDE	No. OF ANCHORS/SIDES
LESS THAN 12"	ONE / SIDE
12" - 24"	TWO / SIDE
36" UP # 5 TONS # UP	FOUR / SIDE

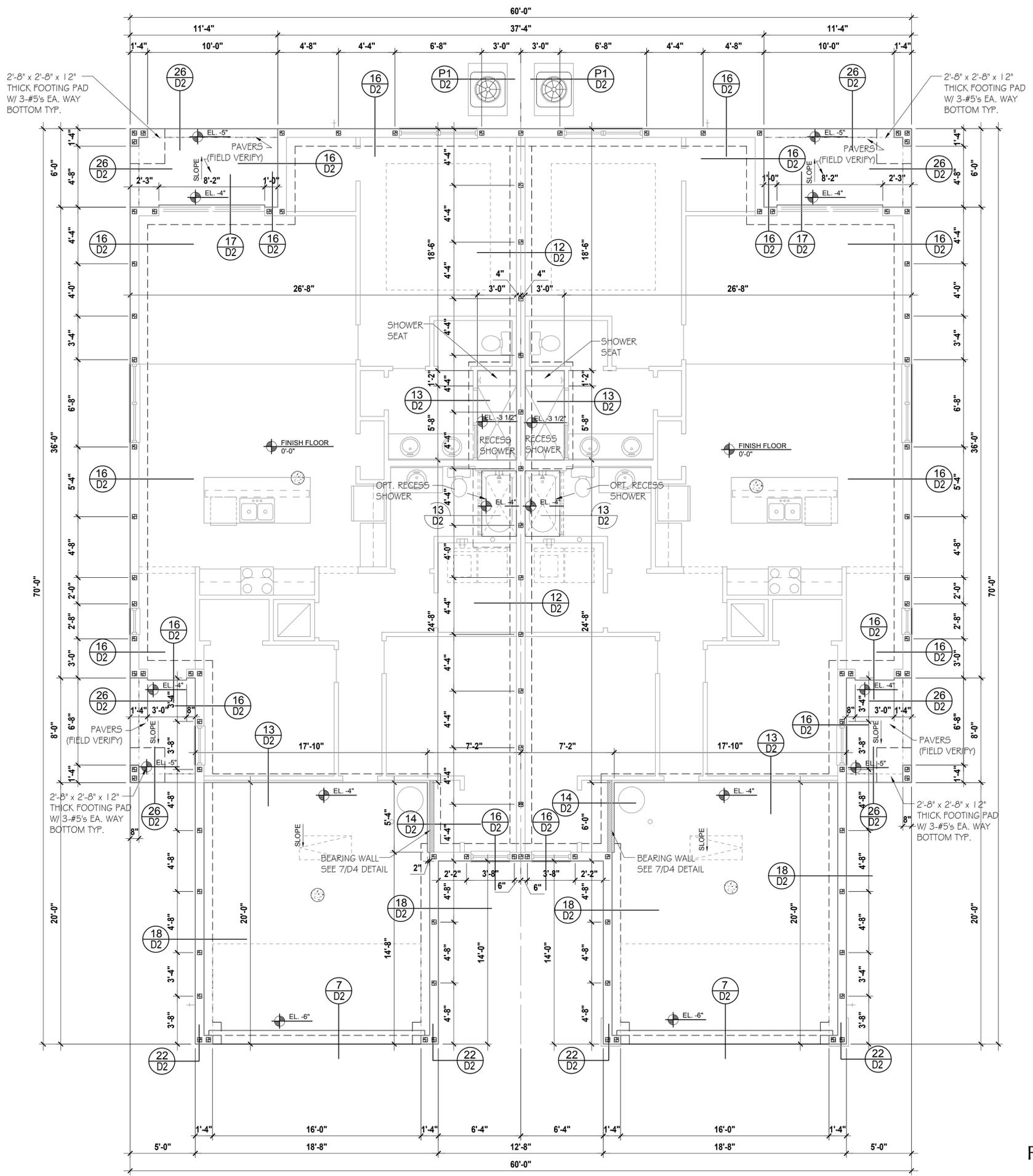
**1 COND. ANCHOR DETAIL**  
N.T.S.

**VERIFICATION OF FIELD CONDITIONS:**

CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS RELATIVE TO SAME. WHERE THERE ARE CONFLICTS BETWEEN ACTUAL FIELD CONDITIONS AND DATA PRESENTED IN THE DRAWINGS, SUCH CONDITIONS SHALL BE CALLED TO THE ARCHITECT'S AND/OR TO THE ENGINEER OF RECORD'S (EOR) ATTENTION AND NECESSARY ADJUSTMENTS MADE PER THEIR INSTRUCTIONS.

**FOUNDATION NOTES**

1. CONTRACTOR VERIFY ALL DIMENSIONS ON JOB SITE.
2. ■ DENOTES FILL CELL REINF. W/ CONC. W/ 1- #5 REBAR, GRADE 60.  
⊙ DENOTES FILL CELL RE NE\_ W/ CONC. W/ 2-#5 REBAR, GRADE 60.
3. Ⓢ DENOTES FLOOR SLAB OF PLANT MIX CONCRETE 2500 P.S.1. 4" THICK WITH 6X6 10/10 GAUGE REINFORCING MAT. W/ MIN. 1" COVER TERMITE TREATED SOIL WITH 0.006mm (6mil) POLYETHYLENE VAPOR BARRIER OVER COMPACTED CLEAN FILL. WWF SHALL BE PLACE IN MIDDLE TO UPPER THIRD OF SLAB AND SUPPORTED ON APPROVED SLAB BOLSTERS. \*FIBER MESH REINFORCEMENT MAY USED AS ALTERNATIVE TO WIRE.
4. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPER-VISOR FOR CLARIFICATION.
5. WATER HEATER T&P RELIEF VALVE SHALL E FULL SIZE TO EXTERIOR. WATER HEATER AT OR ABOVE FLOOR LEVEL 61-FALL E IN A FAN WITH DRAIN TO EXTERIOR. WATER HEATER SHALL HAVE APPROVED THERMAL EXPANSION DEVICE
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9. BORA -CARE TO BE APPLIED ON INTERIOR WALLS W/ MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, PURSUANT FLORIDA BUILDING CODE LATEST EDITION.



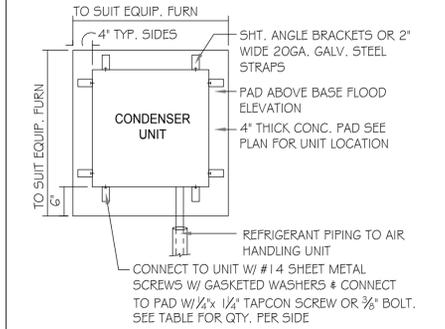
Foundation Plan "CC"  
SCALE 1/4" = 1'-0"

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 www.hiteg.com  
**Park Square HOMES**  
 A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
 5200 Vineland Road, Suite 200  
 Orlando, Florida 32811  
 Phone: (407) 529 - 3000  
**FOUNDATION PLAN**  
**PAIRED VILLAS**  
 PACIFIC-PACIFIC, PACIFIC-GULF, GULF-GULF  
 PACIFIC/GULF/  
 HARBOR SERIES  
 REVISIONS  
 DELTA #      DATE  
 DATE: XX-XX-24  
 SCALE: AS NOTED  
 DRAWN: MR  
 SHEET:  
**S.C.C.**



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LENGTH/SIDE	No. OF ANCHORS/SIDES
LESS THAN 12"	ONE / SIDE
12" - 24"	TWO / SIDE
36" UP & 5 TONS & UP	FOUR / SIDE

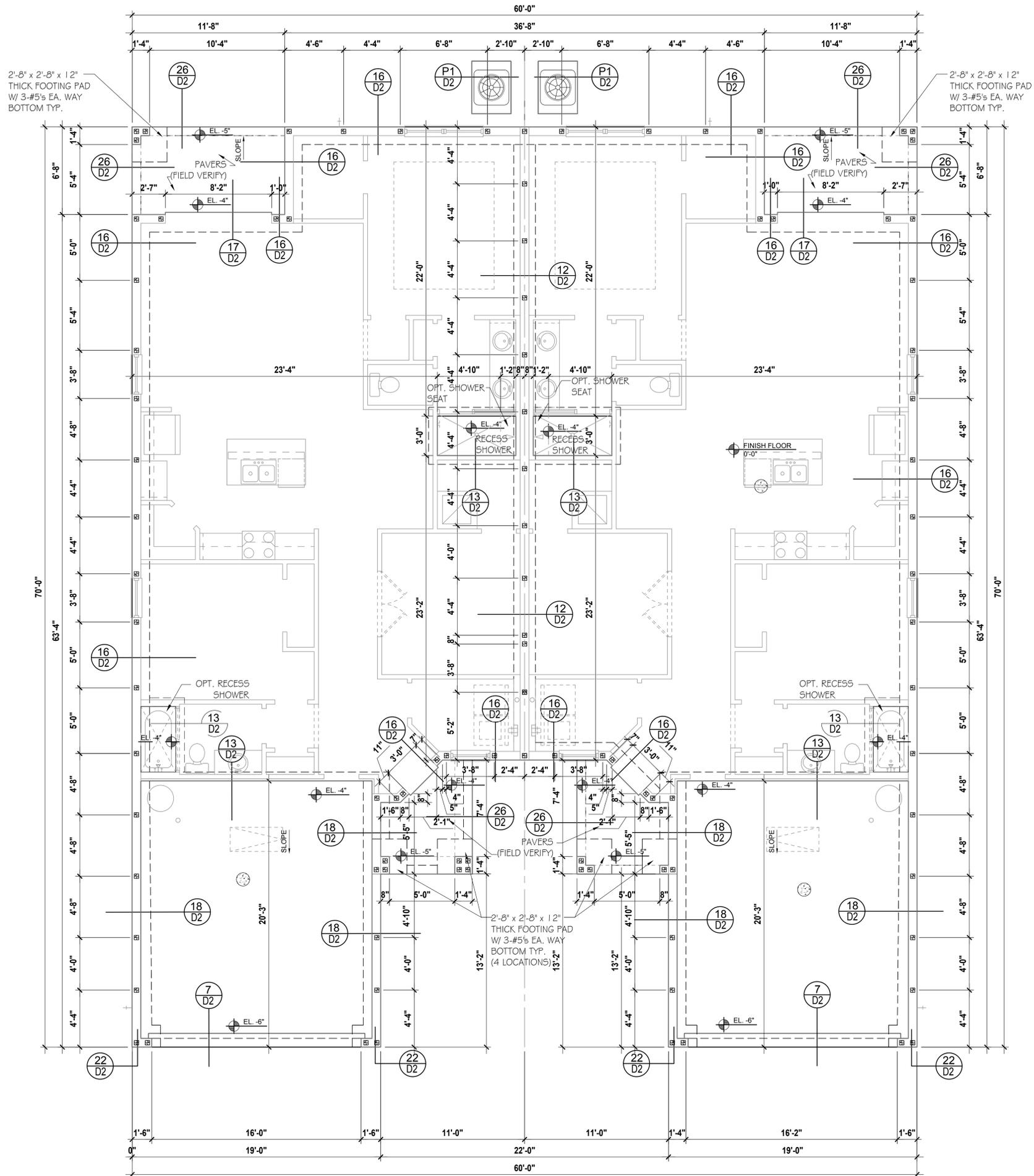
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**Foundation Plan "EE"**

SCALE 1/4" = 1'-0"

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LOT: 0000, COMMUNITY

REVISIONS	
DELTA #	DATE

DATE: XX-XX-24

SCALE: AS NOTED

DRAWN: MR

SHEET:



**PAIRED VILLAS**  
 (PACIFIC-PACIFIC, PACIFIC-GULF, GULF-GULF)  
 PACIFIC/GULF/  
 HARBOR SERIES

**FOUNDATION PLAN**  
 Park Square Homes

A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
 5200 Vineland Road, Suite 200  
 Orlando, Florida 32811  
 Phone: (407) 529 - 3000



# SAFE LOAD TABLES FOR GRAVITY, UPLIFT & LATERAL LOADS

## 8" PRECAST & PRESTRESSED U-LINTELS

LENGTH	TYPE	GRAVITY														
		8U8	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0B	8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-1B
2'-0" (34")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936	2325	2496	3467	4438	5410	6384	7358
3'-6" (42")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936	2325	2496	3467	4438	5410	6384	7358
4'-0" (48")	PRECAST	2029	2646	4473	6039	7526	9004	10472	11936	1757	1913	2657	3403	4149	4896	5644
4'-6" (54")	PRECAST	1651	2170	4027	6039	7526	9004	10472	11936	1223	1301	1809	2317	2826	3336	3846
5'-4" (64")	PRECAST	1184	1665	2889	5057	6096	5400	6424	7450	1000	1059	1474	1889	2304	2721	3137
5'-10" (70")	PRECAST	972	1459	2464	4144	5458	4437	5280	6122	1255	2101	3263	2746	3358	3871	4585
6'-6" (78")	PRECAST	937	1255	2101	3263	2746	3358	3871	4585	1029	1675	2385	1994	2439	2886	3333
7'-6" (90")	PRECAST	767	1029	1675	2610	3839	5596	6613	5047	830	1362	1927	1602	1961	2320	2680
8'-0" (96")	PRECAST	670	899	1445	2214	3192	4533	6513	4087	767	1257	1779	1479	1810	2142	2474
8'-8" (104")	PRECAST	618	829	1332	2044	2946	4184	6012	3773	632	1049	1469	1210	1482	1754	2027
9'-4" (112")	PRECAST	573	768	1212	1818	2544	3469	4030	3127	482	802	1125	915	1122	1328	1535
10'-6" (126")	PRECAST	456	658	1025	1514	2081	2774	3130	2404	598	935	1365	1854	2355	1793	2075
11'-4" (136")	PRECAST	445	598	935	1365	1854	2441	3155	4044	598	935	1365	1854	2441	3155	4044
12'-0" (144")	PRECAST	414	555	864	1254	1693	2211	2832	3590	427	726	1028	1331	1635	1224	1418
13'-4" (160")	PRECAST	362	485	748	1076	1438	1855	2343	2920	381	648	919	1190	1462	1087	1260
14'-0" (168")	PRECAST	338	455	700	1003	1335	1714	2153	2666	NR	NR	NR	NR	NR	NR	NR
14'-8" (176")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
15'-4" (184")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
17'-4" (208")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
19'-4" (232")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
21'-4" (256")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
22'-0" (264")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
24'-0" (288")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

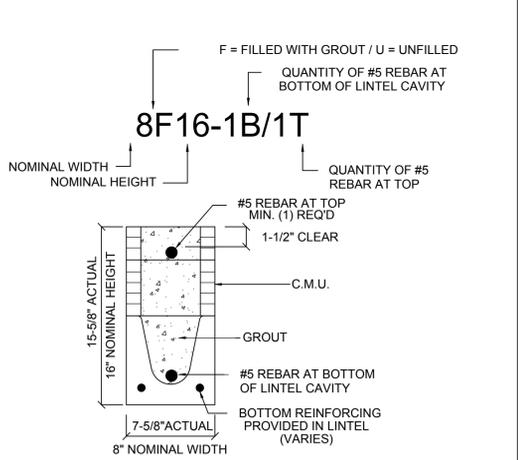
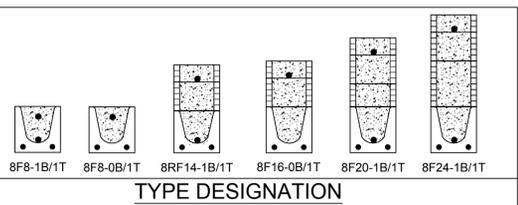
## 8" PRECAST W/ 2" RECESS DOOR U-LINTELS

LENGTH	TYPE	GRAVITY														
		8RU6	8RF6-0B	8RF10-0B	8RF14-0B	8RF18-0B	8RF22-0B	8RF26-0B	8RF30-0B	8RF6-1B	8RF10-1B	8RF14-1B	8RF18-1B	8RF22-1B	8RF26-1B	8RF30-1B
4'-4" (52")	PRECAST	1489	1591	1827	3412	4982	6472	7947	9416	10878	1449	2782	2714	3600	4487	5375
4'-6" (54")	PRECAST	1357	1702	3412	4982	6472	7947	9416	10878	832	1602	1550	2058	2566	3075	
5'-8" (68")	PRECAST	785	1153	2162	4074	6472	6516	5814	6839	779	1500	1449	1924	2400	2876	
5'-10" (70")	PRECAST	735	1103	2051	3811	6472	6516	5450	6411	907	1677	2933	2576	3223	3872	
6'-8" (80")	PRECAST	822	907	1677	2933	4100	6730	8177	6707	761	1377	2252	1958	2451	2944	
7'-6" (90")	PRECAST	665	764	1377	2329	3609	5492	6624	5132	420	834	1253	1071	1342	1614	
9'-8" (116")	PRECAST	371	535	928	1497	2179	2818	3595	2875							

## 8" PRECAST & PRESTRESSED U-LINTELS

LENGTH	TYPE	UPLIFT										LATERAL					
		8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	8F8-2T	8F12-2T	8F16-2T	8F20-2T	8F24-2T	8F28-2T	8F32-2T	8U8	8F8
2'-0" (34")	PRECAST	2727	2878	4101	5332	6569	7811	9055	2021	2021	2165	2289	3260	4237	5219	6204	7192
3'-6" (42")	PRECAST	2165	2215	3165	4125	5091	6061	7036	1257	1257	1878	1989	2832	3680	4532	5387	6245
4'-0" (48")	PRECAST	1878	1989	2832	3680	4532	5387	6245	938	938	1878	1925	2750	3583	4422	5264	6110
4'-6" (54")	PRECAST	1660	1762	2507	3257	4010	4767	5525	727	727	1660	1705	2435	3171	3913	4658	5406
5'-4" (64")	PRECAST	1393	1484	2110	2741	3375	4010	4648	505	505	1393	1437	2050	2670	3293	3920	4549
5'-10" (70")	PRECAST	1272	1357	1930	2505	3084	3665	4247	418	418	1272	1315	1875	2441	3010	3583	4157
6'-6" (78")	PRECAST	1141	1200	1733	2250	2769	3290	3812	707	887	1141	1182	1684	2192	2703	3216	3732
7'-6" (90")	PRECAST	959	912	1475	1914	2354	2797	3240	591	657	959	1029	1466	1907	2351	2797	3245
9'-4" (112")	PRECAST	801	755	1192	1550	1910	2271	2634	454	630	801	811	1192	1550	1910	2271	2634
10'-6" (126")	PRECAST	716	611	1039	1389	1711	2034	2358	396	493	716	611	1039	1389	1711	2034	2358
11'-4" (136")	PRECAST	666	439	696	899	1104	1309	1515	363	556	666	535	905	1295	1595	1896	2198
12'-0" (144")	PRECAST	607	400	631	816	1001	1186	1372	340	494	607	400	631	816	1001	1186	1372
13'-4" (160")	PRECAST	500	340	532	686	841	997	1153	302	398	500	340	532	686	841	997	1153
14'-0" (168")	PRECAST	458	316	493	635	778	922	1065	286	360	458	316	493	635	778	922	1065
14'-8" (176")	PRESTRESSED	243	295	459	591	724	857	990	N.R.	357	243	295	459	591	724	857	990
15'-4" (184")	PRESTRESSED	228	278	430	553	677	801	925	N.R.	327	228	278	430	553	677	801	925
17'-4" (208")	PRESTRESSED	188	236	361	464	567	670	774	N.R.	255	188	236	361	464	567	670	774
19'-4" (232")	PRESTRESSED	165	207	313	401	490	578	667	N.R.	204	165	207	313	401	490	578	667
21'-4" (256")	PRESTRESSED	142	180	286	374	463	552	641	N.R.	172	142	180	286	374	463	552	641
22'-0" (264")	PRESTRESSED	130	170	265	353	442	531	620	N.R.	161	130	170	265	353	442	531	620
24'-0" (288")	PRESTRESSED	127	165	244	312	380	447	515	N.R.	135	127	165	244	312	380	447	515

\*REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR



- MATERIALS**
- fc precast lintels = 3500 psi.
  - fc prestressed lintels = 6000 psi.
  - fc grout = 3000 psi w/ maximum 3/8" aggregate.
  - Concrete masonry units (CMU) per ASTM C90 w/ minimum net area compressive strength = 1900 psi.
  - Rebar provided in precast lintel per ASTM A615 GR60. Field rebar per ASTM A615 GR40 or GR60.
  - Prestressing strand per ASTM A416 grade 270 low relaxation.
  - 7/32 wire per ASTM A510.
  - Mortar per ASTM C270 type M or S.

- GENERAL NOTES**
- Provide full mortar head and bed joints.
  - Shore filled lintels as required.
  - Installation of lintel must comply with the architectural and/or structural drawings.
  - Lintels are manufactured with 5-1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
  - All lintels meet or exceed L/360 vertical deflection, except lintels 17'-4" and longer with a nominal height of 8" meet or exceed L/180.
  - Bottom field added rebar to be located at the bottom of the lintel cavity.
  - 7/32" diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
  - Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
  - Safe load ratings based on rational design analysis per ACI 318 and ACI 530.

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

## 8" PRECAST W/ 2" RECESS DOOR U-LINTELS

LENGTH	TYPE	UPLIFT										LATERAL					
		8RF6-1T	8RF10-1T	8RF14-1T	8RF18-1T	8RF22-1T	8RF26-1T	8RF30-1T	8RF6-2T	8RF10-2T	8RF14-2T	8RF18-2T	8RF22-2T	8RF26-2T	8RF30-2T	8RU6	8RF6
4'-4" (52")	PRECAST	1244	1573	2413	3260	4112	4967	5825	932	932	1244	1519	2339	3170	4008	4850	5696
4'-6" (54")	PRECAST	1192	1507	2311	3121	3937	4756	5577	853	853	1192	1455	2240	3036	3837	4643	5453
5'-8" (68")	PRECAST	924	1172	1795	2423	3055	3689	4325	501	501	924	1132	1741	2357	2978	3603	4230
5'-10" (70")	PRECAST	896	1138	1742	2352	2965	3581	4198	469	469	896	1099	1690	2288	2891	3497	4106
6'-8" (80")	PRECAST	778	882	1513	2042	2573	3107	3642	830	1100	778	956	1468	1987	2509	3035	3563
7'-6" (90")	PRECAST	688	697	1325	1810	2280	2753	3227	710	941	688	849					

### SAFE LOAD TABLES FOR GRAVITY, UPLIFT & LATERAL LOADS

#### 8" PRECAST & PRESTRESSED U-LINTELS

LENGTH	TYPE	8U8	GRAVITY												
			8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0B	8F36-0B					
2'-10" (34")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936						
3'-6" (42")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936						
4'-0" (48")	PRECAST	2029	2325	2496	3467	4438	5410	6384	7358						
4'-6" (54")	PRECAST	1651	2646	4473	6039	7526	9004	10472	11936						
5'-4" (64")	PRECAST	1184	1787	1913	2657	3403	4149	4896	5644						
5'-10" (70")	PRECAST	972	2170	4027	6039	7526	9004	10472	11936						
6'-6" (78")	PRECAST	937	1223	1301	1809	2317	2826	3336	3846						
7'-6" (90")	PRECAST	767	1665	2889	5057	6096	5400	6424	7450						
8'-0" (96")	PRECAST	670	1000	1059	1474	1889	2304	2721	3137						
8'-6" (104")	PRECAST	618	1459	2464	4144	5458	4437	5280	6122						
9'-4" (112")	PRECAST	573	1255	2101	3263	2746	3358	3971	4585						
10'-6" (126")	PRECAST	456	1029	1675	2385	1994	2439	2886	3333						
11'-4" (136")	PRECAST	445	830	1362	1927	1602	1961	2320	2680						
12'-0" (144")	PRECAST	414	899	1445	2214	3192	4533	6513	4087						
13'-4" (160")	PRECAST	362	767	1257	1779	1479	1810	2142	2474						
14'-0" (168")	PRECAST	338	829	1332	2044	2946	4184	6012	3773						
14'-8" (176")	PRESTRESSED	N.R.	632	1049	1469	1210	1462	1754	2027						
15'-4" (184")	PRESTRESSED	N.R.	768	1212	1818	2544	3469	4030	3127						
17'-4" (208")	PRESTRESSED	N.R.	482	802	1125	915	1122	1328	1535						
19'-4" (232")	PRESTRESSED	N.R.	658	1025	1514	2081	2774	3130	2404						
21'-4" (256")	PRESTRESSED	N.R.	598	935	1365	1854	2355	1793	2075						
22'-0" (264")	PRESTRESSED	N.R.	598	935	1365	1854	2441	3155	4044						
24'-0" (288")	PRESTRESSED	N.R.	545	864	1254	1689	2074	1570	1818						
			555	864	1254	1693	2211	2832	3590						
			427	726	1028	1331	1635	1224	1418						
			485	748	1076	1438	1855	2243	2620						
			381	648	919	1190	1462	1087	1260						
			455	700	1003	1335	1714	2153	2666						
			NR												
			465	765	1370	2045	2610	3185	3765						
			NR												
			420	695	1250	1855	2370	2890	3410						
			NR												
			310	530	950	1400	1800	2200	2600						
			NR												
			240	400	750	1090	1400	1720	2030						
			NR												
			183	330	610	940	1340	1780	2110						
			NR												
			160	300	570	870	1250	1660	1970						
			NR												
			130	240	470	720	1030	1350	1610						

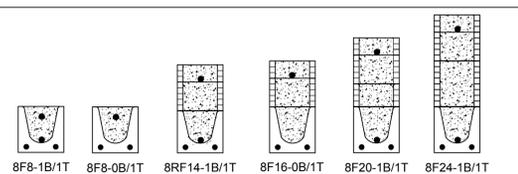
#### 8" PRECAST W/ 2" RECESS DOOR U-LINTELS

LENGTH	TYPE	8RU6	GRAVITY												
			8RF6-0B	8RF10-0B	8RF14-0B	8RF18-0B	8RF22-0B	8RF26-0B	8RF30-0B	8RF34-0B					
4'-4" (52")	PRECAST	1489	1591	3053	2982	3954	4929	5904	6880						
4'-6" (54")	PRECAST	1357	1827	3412	4982	6472	7947	9416	10878						
5'-8" (68")	PRECAST	785	1449	2782	2714	3600	4487	5375	6264						
5'-10" (70")	PRECAST	735	1702	3412	4982	6472	7947	9416	10878						
6'-8" (80")	PRECAST	822	832	1602	1550	2058	2566	3075	3585						
7'-6" (90")	PRECAST	665	1153	2162	4074	6472	6516	5814	6839						
9'-8" (116")	PRECAST	371	779	1500	1449	1924	2400	2876	3352						
			907	1677	2933	2576	3223	3872	4522						
			907	1677	2933	4100	6730	8177	6707						
			761	1377	2252	1958	2451	2944	3439						
			764	1377	2329	3609	5492	6624	5132						
			420	834	1253	1071	1342	1614	1886						
			535	928	1497	2179	2618	3595	2875						

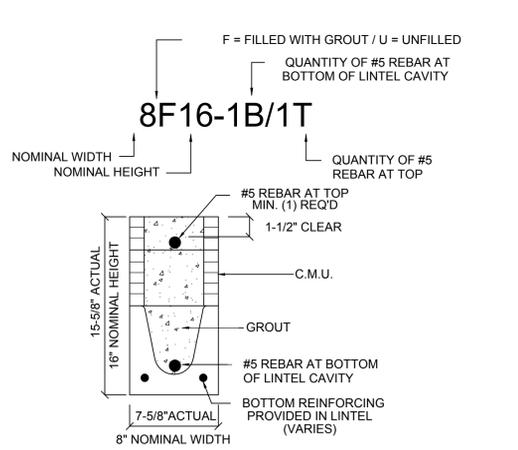
#### 8" PRECAST & PRESTRESSED U-LINTELS

LENGTH	TYPE	UPLIFT										LATERAL				
		8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	8F8-2T	8F12-2T	8F16-2T	8F20-2T	8F24-2T	8F28-2T	8F32-2T	8U8
2'-10" (34")	PRECAST	2727	2878	4101	5332	6569	7811	9055							2021	2021
3'-6" (42")	PRECAST	2165	2289	3260	4237	5219	6204	7192							1257	1257
4'-0" (48")	PRECAST	2165	2215	3165	4125	5091	6061	7036							938	938
4'-6" (54")	PRECAST	1878	1989	2832	3680	4532	5387	6245							727	727
5'-4" (64")	PRECAST	1393	1484	2110	2741	3375	4010	4648							505	505
5'-10" (70")	PRECAST	1393	1437	2050	2670	3293	3920	4549							418	418
6'-6" (78")	PRECAST	1272	1357	1930	2505	3084	3665	4247							418	418
7'-6" (90")	PRECAST	1141	1200	1733	2250	2769	3290	3812							707	887
8'-4" (112")	PRECAST	801	851	1182	1512	1842	2172	2502							454	630
10'-6" (126")	PRECAST	716	761	1039	1389	1711	2034	2358							396	493
11'-4" (136")	PRECAST	666	716	996	1346	1666	1990	2314							363	556
12'-0" (144")	PRECAST	607	657	937	1287	1607	1931	2255							340	494
13'-4" (160")	PRECAST	500	550	830	1180	1480	1780	2080							302	398
14'-0" (168")	PRECAST	458	508	788	1138	1438	1738	2038							286	360
14'-8" (176")	PRESTRESSED	243	293	469	645	821	997	1173							N.R.	357
15'-4" (184")	PRESTRESSED	228	278	454	630	806	982	1158							N.R.	327
17'-4" (208")	PRESTRESSED	188	238	424	600	776	952	1128							N.R.	255
19'-4" (232")	PRESTRESSED	165	215	391	567	743	919	1095							N.R.	204
21'-4" (256")	PRESTRESSED	142	192	368	544	720	896	1072							N.R.	172
22'-0" (264")	PRESTRESSED	130	180	356	532	708	884	1060							N.R.	161
24'-0" (288")	PRESTRESSED	127	177	344	520	696	872	1048							N.R.	135

\*REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR



#### TYPE DESIGNATION



#### MATERIALS

1. fc precast lintels = 3500 psi.
2. fc prestressed lintels = 6000 psi.
3. fc grout = 3000 psi w/ maximum 3/8" aggregate.
4. Concrete masonry units (CMU) per ASTM C90 w/ minimum net area compressive strength = 1900 psi.
5. Rebar provided in precast lintel per ASTM A615 GR60. Field rebar per ASTM A615 GR40 or GR60.
6. Prestressing strand per ASTM A416 grade 270 low relaxation.
7. 7/32 wire per ASTM A510.
8. Mortar per ASTM C270 type M or S.

#### GENERAL NOTES

1. Provide full mortar head and bed joints.
2. Shore filled lintels as required.
3. Installation of lintel must comply with the architectural and/or structural drawings.
4. Lintels are manufactured with 5-1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
5. All lintels meet or exceed L/360 vertical deflection, except lintels 17'-4" and longer with a nominal height of 8" meet or exceed L/180.
6. Bottom field added rebar to be located at the bottom of the lintel cavity.
7. 7/32" diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
8. Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
9. Safe load ratings based on rational design analysis per ACI 318 and ACI 530

#### SAFE LOAD TABLE NOTES

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

### SAFE LOAD TABLES FOR GRAVITY, UPLIFT & LATERAL LOADS

#### 8" PRECAST & PRESTRESSED U-LINTELS

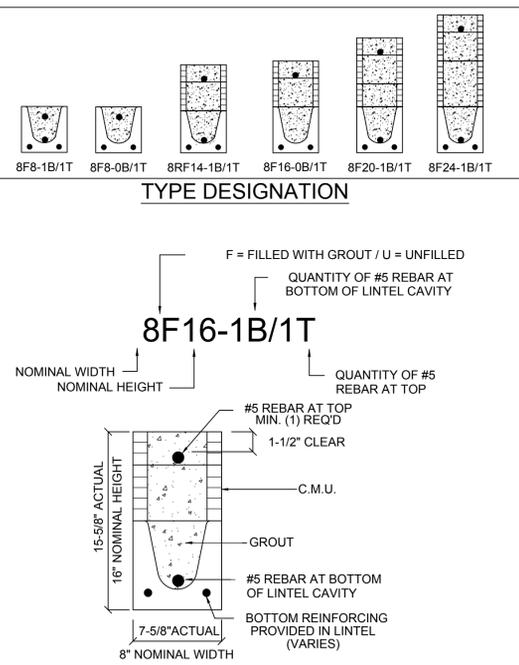
LENGTH	TYPE	GRAVITY														
		8U8	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0B	8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-1B
2'-10" (34")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936	3138	3377	4689	6001	7315	8630	9947
3'-6" (42")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936	3138	3377	4689	6001	7315	8630	9947
4'-0" (48")	PRECAST	2029	2325	2496	3467	4438	5410	6384	7356	2646	4473	6039	7526	9004	10472	11936
4'-6" (54")	PRECAST	1651	1787	1913	2657	3403	4149	4896	5644	2170	4027	6039	7526	9004	10472	11936
5'-4" (64")	PRECAST	1184	1223	1301	1809	2317	2826	3336	3846	1665	2889	5057	6096	5400	6424	7450
5'-10" (70")	PRECAST	972	1000	1059	1474	1889	2304	2721	3137	1459	2464	4144	5458	4437	5280	6122
6'-6" (78")	PRECAST	937	1255	2101	3396	5260	7134	8995	6890	1029	1675	2385	1994	2439	2886	3333
7'-6" (90")	PRECAST	767	1029	1675	2610	3839	5596	6613	5047	830	1362	1927	1602	1961	2320	2680
8'-0" (96")	PRECAST	670	899	1445	2214	3192	4533	6513	4087	767	1257	1779	1479	1810	2142	2474
8'-8" (104")	PRECAST	618	829	1332	2044	2946	4184	6012	3773	632	1049	1469	1210	1482	1754	2027
9'-4" (112")	PRECAST	573	768	1212	1818	2544	3469	4030	3127	482	802	1125	915	1122	1328	1535
10'-6" (126")	PRECAST	456	658	1025	1514	2081	2774	3130	2404	598	935	1365	1854	2355	1793	2075
11'-4" (136")	PRECAST	445	598	935	1365	1854	2441	3155	4044	545	864	1254	1689	2074	1570	1818
12'-0" (144")	PRECAST	414	555	864	1254	1693	2211	2832	3590	427	726	1028	1331	1635	1224	1418
13'-4" (160")	PRECAST	362	485	748	1076	1438	1855	2343	2920	381	648	919	1190	1462	1087	1260
14'-0" (168")	PRECAST	338	455	700	1003	1335	1714	2153	2666	NR	NR	NR	NR	NR	NR	NR
14'-8" (176")	PRESTRESSED	N.R.	465	765	1370	2045	2810	3185	3765	NR	NR	NR	NR	NR	NR	NR
15'-4" (184")	PRESTRESSED	N.R.	420	695	1250	1855	2370	2890	3410	NR	NR	NR	NR	NR	NR	NR
17'-4" (208")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
19'-4" (232")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
21'-4" (256")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
22'-0" (264")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
24'-0" (288")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

#### 8" PRECAST W/ 2" RECESS DOOR U-LINTELS

LENGTH	TYPE	GRAVITY														
		8R6	8RF6-0B	8RF10-0B	8RF14-0B	8RF18-0B	8RF22-0B	8RF26-0B	8RF30-0B	8RF6-1B	8RF10-1B	8RF14-1B	8RF18-1B	8RF22-1B	8RF26-1B	8RF30-1B
4'-4" (52")	PRECAST	1489	1591	3053	2982	3954	4929	5904	6880	1827	3412	4982	6472	7947	9416	10878
4'-6" (54")	PRECAST	1357	1449	2782	2714	3600	4487	5375	6264	1702	3412	4982	6472	7947	9416	10878
5'-8" (68")	PRECAST	785	832	1602	1550	2058	2566	3075	3585	1153	2162	3074	3972	4870	5768	6659
5'-10" (70")	PRECAST	735	779	1500	1449	1954	2460	2976	3492	1103	2051	2961	3861	4761	5661	6561
6'-8" (80")	PRECAST	822	907	1677	2933	2576	3223	3872	4522	907	1677	2933	4100	6730	8177	6707
7'-6" (90")	PRECAST	665	761	1377	2252	1958	2451	2944	3439	764	1377	2329	3609	5492	6624	5132
9'-8" (116")	PRECAST	371	420	834	1253	1071	1342	1614	1886	535	928	1497	2179	2618	3595	2875

#### 8" PRECAST & PRESTRESSED U-LINTELS

LENGTH	TYPE	UPLIFT												LATERAL			
		8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	8F8-2T	8F12-2T	8F16-2T	8F20-2T	8F24-2T	8F28-2T	8F32-2T	8U8	8F8
2'-10" (34")	PRECAST	2727	2878	4101	5332	6569	7811	9055	2021	2021	2165	2289	3260	4237	5219	6204	7192
3'-6" (42")	PRECAST	1878	1989	2832	3680	4532	5387	6245	1257	1257	1660	1762	2607	3257	4010	4767	5525
4'-0" (48")	PRECAST	1660	1762	2607	3257	4010	4767	5525	727	727	1660	1705	2435	3171	3913	4658	5406
4'-6" (54")	PRECAST	1393	1484	2110	2741	3375	4010	4648	505	505	1393	1437	2050	2670	3293	3920	4549
5'-10" (70")	PRECAST	1272	1357	1930	2505	3084	3665	4247	418	418	1272	1315	1875	2441	3010	3583	4157
6'-6" (78")	PRECAST	1141	1200	1733	2250	2769	3290	3812	707	887	1141	1192	1684	2192	2703	3216	3732
7'-6" (90")	PRECAST	959	912	1475	1914	2354	2797	3240	591	657	959	912	1475	1914	2354	2797	3240
9'-4" (112")	PRECAST	801	801	1239	1678	2117	2556	2995	454	630	801	755	1192	1550	1910	2271	2634
10'-6" (126")	PRECAST	716	716	1039	1389	1711	2034	2358	396	493	716	611	1039	1389	1711	2034	2358
11'-4" (136")	PRECAST	666	666	936	1215	1494	1773	2052	363	556	666	538	805	1074	1343	1612	1881
12'-0" (144")	PRECAST	607	607	831	1051	1271	1491	1711	340	494	607	400	631	815	1001	1186	1372
13'-4" (160")	PRECAST	500	500	673	868	1053	1238	1423	302	398	500	340	532	686	841	997	1153
14'-0" (168")	PRECAST	458	458	613	778	922	1065	1208	286	360	458	378	629	922	1254	1567	1816
14'-8" (176")	PRESTRESSED	357	243	295	459	591	724	857	990	NR	357	243	295	459	591	724	857
15'-4" (184")	PRESTRESSED	327	228	278	430	553	677	801	925	NR	327	228	278	430	553	677	801
17'-4" (208")	PRESTRESSED	255	188	236	361	464	567	670	774	NR	255	188	236	361	464	567	670
19'-4" (232")	PRESTRESSED	204	165	207	313	401	490	578	667	NR	204	165	207	313	401	490	578
21'-4" (256")	PRESTRESSED	172	145	186	278	356	433	512	590	NR	172	145	186	278	356	433	512
22'-0" (264")	PRESTRESSED	161	142	180	268	345	418	493	568	NR	161	142	180	268	345	418	493
24'-0" (288")	PRESTRESSED	135	127	165	244	312	380	447	515	NR	135	127	165	244	312	380	447



- #### MATERIALS
- fc precast lintels = 3500 psi.
  - fc prestressed lintels = 6000 psi.
  - fc grout = 3000 psi w/ maximum 3/8" aggregate.
  - Concrete masonry units (CMU) per ASTM C90 w/ minimum net area compressive strength = 1900 psi.
  - Rebar provided in precast lintel per ASTM A615 GR60. Field rebar per ASTM A615 GR40 or GR60.
  - Prestressing strand per ASTM A416 grade 270 low relaxation.
  - 7/32" wire per ASTM A510.
  - Mortar per ASTM C270 type M or S.

- #### GENERAL NOTES
- Provide full mortar head and bed joints.
  - Shore filled lintels as required.
  - Installation of lintel must comply with the architectural and/or structural drawings.
  - Lintels are manufactured with 5-1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
  - All lintels meet or exceed L/360 vertical deflection, except lintels 17'-4" and longer with a nominal height of 8" meet or exceed L/180.
  - Bottom field added rebar to be located at the bottom of the lintel cavity.
  - 7/32" diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
  - Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
  - Safe load ratings based on rational design analysis per ACI 318 and ACI 530.

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

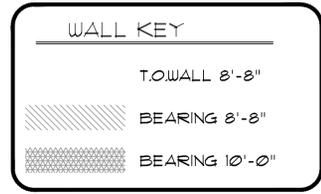
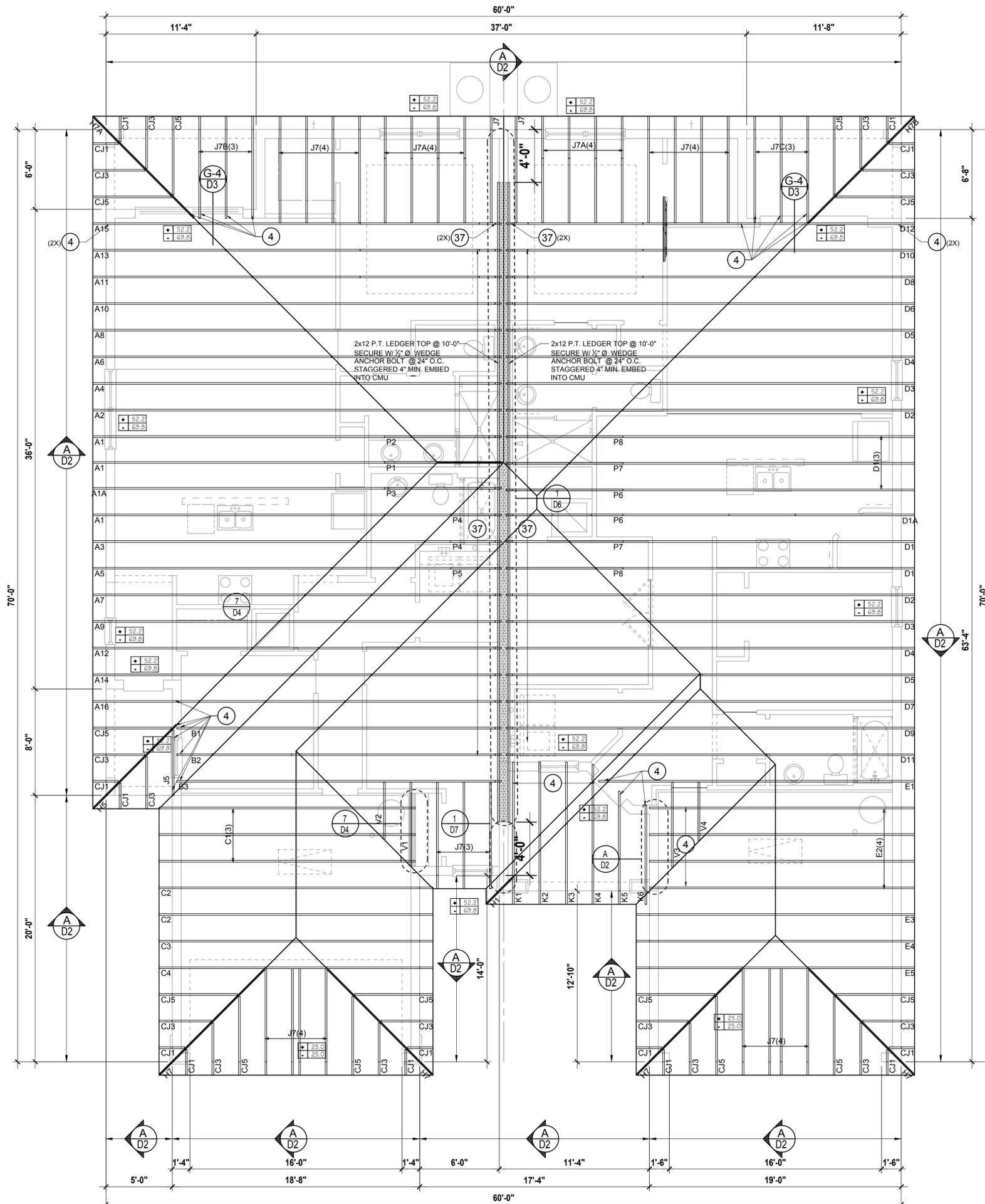
#### 8" PRECAST W/ 2" RECESS DOOR U-LINTELS

LENGTH	TYPE	UPLIFT												LATERAL			
		8RF6-1T	8RF10-1T	8RF14-1T	8RF18-1T	8RF22-1T	8RF26-1T	8RF30-1T	8RF6-2T	8RF10-2T	8RF14-2T	8RF18-2T	8RF22-2T	8RF26-2T	8RF30-2T	8R6	8F6
4'-4" (52")	PRECAST	1244	1573	2413	3260	4112	4967	5825	932	932	1192	1507	2311	3121	3937	4756	5577
4'-6" (54")	PRECAST	1192	1455	2240	3036	3837	4643	5453	853	853	924	1172	1795	2423	3055	3689	4325
5'-8" (68")	PRECAST	924	1132	1741	2357	2978	3603	4230	501	501	896	1138	1742	2352	2965	3581	4198
5'-10" (70")	PRECAST	896	1099	1690	2288	2891	3497	4106	469	469	778	882	1513	2042	2573	3107	3642
6'-8" (80")	PRECAST	778	956	1468	1987	2509	3035	3563	830	1100	778	697	1325	1810	2280	2753	3227
7'-6" (90")	PRECAST	688	849	1302	1762	2225	2690	3157	710	941	688	613	1123	1413	1704	1995	2288
9'-8" (116")	PRECAST	533	533	808	1123	1413	1704	1995</									



### CONNECTOR SCHEDULE

CONNECT. TYPE	SIMPSON DESCRIPTION	FASTENERS PER CONNECTOR	MAX. UPLIFT	LAT. LDB. F1 / F2
4	HETA16	9-10d x 1"	1810	340 / 110
5	DETAL20	18-10d x 1"	2,480	2000 / 1310
20	H3	RFT: 4-8d / PLT: 4-8d	455	125 / 160
21	HI	RFT: 6-8dx1"/PLT: 4-8d	475	485 / 165
22	HI05	RFT: 8-8d x 1"	1010	660/550
23	LU526	HDR: 4-10d/JST: 4-10d	935	N/A
24	H1	RFT / TRS: 4-8d	985	400 / N/A
26	H25	RFT: 5-8d / PLT: 5-8d	415	150 / 150
34	A34	H: 4-8dx1"/P: 4-8dx1"	365	280 / 303
35	L950	(8) 1/4x1 1/2"	N/A	580
37	HT916	16-10d	1310	N/A
38	MT916	14-10d	990	N/A
39	MT930	14-10d	990	N/A
43	LSTA12	10-10d	905	N/A
45	ST18	14-16d	1200	N/A
47	LSTA24	18-10d	1295	N/A
71	MSTA36	26-10d	2135	N/A
72	MSTC66	64-16d SINKERS	5,495	N/A
79	SP1	STD: 6-10d / PLT: 4-10d	535	560 / 260
80	SP2	STD: 6-10d / PLT: 6-10d	605	560 / 260
81	SPH468	12-10d x 1"	885	N/A
90	ABU66	12-16d	2,240	N/A
93	CB66	(2) 7/8" BOLTS	2,300	985
92	ABU44	12-16d	2,200	N/A
93	AC6 (MAX)	28-16d	1,815	1,010
94	AC4 (MAX)	28-16d	1,815	1,010
95	HT920	20-10d	1,450	N/A
96	HD8A	SILL: 7/8" BOLT STUD: (3) 7/8"x5" BOLTS	7,910	N/A
97	MTSM16	BLOCK: 4-7"x2" TC JOIST: 7-10d	860	N/A
98	HTT4	SILL: 5/8" BOLT STRAP: 18-16d	4,235	N/A
99	A35	H: 4-8dx1"/P: 4-8dx1"	440	440 / N/A
102	HTT5	5/8" BOLT / 26-10d	4,275	N/A
103	VGTR/L	32-9D5"x3"/(2) 7/8" BLT	3,990	N/A
104	HDUE9-9D53.5	7/8" BLT / (16)-9D5 1/4" X 3/2"	9,390	N/A
110	HCP2	12-10d x 1"	520	260 / N/A
167	HHU846	H: 14-16d/J: 6-16d	1,550	N/A
168	U46	H: 8-10d/J: 4-10d	710	N/A
181	HU826	20-10d	1,550	N/A
184	HUC28-2	H: 14-16d/J: 4-10d	1,085	N/A
214	HUC212-3TF	HD: 16-3/16"x1" TAPCON BM: 6-16d	1,135	N/A
215	HGU8210-2	HDR: 46-16d/JST: 10-16d	2,720	N/A
216	HU8412	BLOCK: 10-7"x1" TC JOIST: 10-16d	3,240	N/A
217	HU812-2	BLOCK: 10-7"x1" TC JOIST: 10-16d	2,630	N/A
219	MBHA412	H: 1-ATR3/4X8 TOP FACE JOIST: 18-10d	3,145	N/A
220	HGAM10KTA	(4) 1/4"x2 3/4" TITEN	810	875/1105
226	MBHA4.75/12	HDR: (2) 3/4" x 8" JOIST: 18-10d	2,160	N/A
231	MBHA3.56/16	HDR: (2) 3/4" x 8" JOIST: 18-10d	3,450	N/A
232	MBHA5.50/16	HDR: (2) 3/4" x 8" JOIST: 18-10d	3,450	N/A
240	HI6	R: 12-10dx1"/P: 10-10dx1"	1,470	480 / N/A
241	LGT2	30-16d-sinker	2,000	1015 / 440
301	MGT	(1) 5/8" BLTS/GIR: 22-10d	3,965	N/A
302	HGT-2 or 3	LTL: 3/4" BLTS/GIR: 8-10d	6,485	N/A
303	HGT-4	LTL: 3/4" BLTS/GIR: 16-10d	9,250	N/A
401	SUR/L414	FACE: 18-16d/JST: 8-16d	1,700	N/A
T	CONNECTORS TO BE SPECIFIED & PROVIDED BY TRUSS MANUFACTURERS			



**COMPONENT & CLADDING DESIGN WIND PRESSURES**

SEE PLAN DESIGN WIND PRESSURE

+ .XXX ULTIMATE DESIGNED POSITIVE PRESSURE  
- .XXX ULTIMATE DESIGNED NEGATIVE PRESSURE

NOTE: DESIGN PRESSURES BASED ULTIMATE WIND SPEED TO OBTAIN NORMAL 1500 WIND PRESSURES MULTIPLY VALUES SHOWN BY A FACTOR OF 0.6

**FIELD REPAIR NOTES**

- MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEK PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.
- BLOCK WALL OVERHANGING SLAB CONDITION UP TO 78" - NO REPAIR NECESSARY 78" TO 112" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED. 112" - REQUIRE SPECIAL ENGINEERING LETTER.
- PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12 @ TOP AND BOTTOM PLATE

**NOTES**

- TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- TYPICAL ROOF EAVES OVERHANG TO BE 16" UNLESS OTHERWISE NOTED.
- PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC. STANDARDS AND/OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH 8TH EDITION (2023) FLORIDA RESIDENTIAL CODE.
- ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZE BY TRUSS MANUFACTURER OR FL. REG. ENG.
- TRUSSES SHALL BE BRACED TO PREVENT ROTATION & PROVIDE LATERAL STABILITY IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS FOR BUILDING & ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, TRUSSES SHALL BE BRACED IN ACCORDANCE WITH TPI/WTC/BCSI 1.
- REFER TO TRUSS MANUFACTURERS DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
- ROOF UNDERLAYMENT TO BE USED IS 30 LBS. SYNTHETIC FELT.
- TILE ROOF - UNDERLAYMENT TO BE INSTALLED IAW FBOR 2023, 8TH EDITION R905.1.1 UNDERLAYMENT MATERIALS REQUIRED TO COMPLY WITH ASTM D226, D1970, D4869 AND D6757 SHALL BEAR A LABEL INDICATING COMPLIANCE TO THE STANDARD DESIGNATION AND, IF APPLICABLE, TYPE CLASSIFICATION INDICATED IN TABLE R905.1.1.1 UNDERLAYMENT SHALL BE APPLIED AND ATTACHED IN ACCORDANCE WITH TABLE R905.1.1.1
- OFF RIDGE VENTS MAXIMUM OPENING SIZES: REFER TO MANUFACTURE SPECIFICATIONS.

**ROOF TRUSSES Plan "CE"**

SCALE 1/4" = 1'-0"

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH  
**LOT: 0000, COMMUNITY**  
**PAIRED VILLAS**  
**PACIFIC-PACIFIC, PACIFIC-GULF, GULF-GULF**  
**PACIFIC/GULF/**  
**HARBOR SERIES**

**ROOF FRAMING PLAN**  
**Park Square HOMES**  
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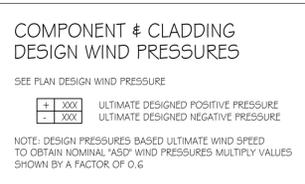
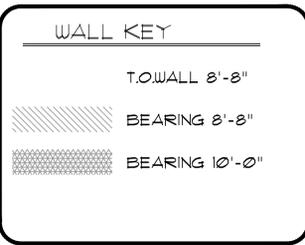
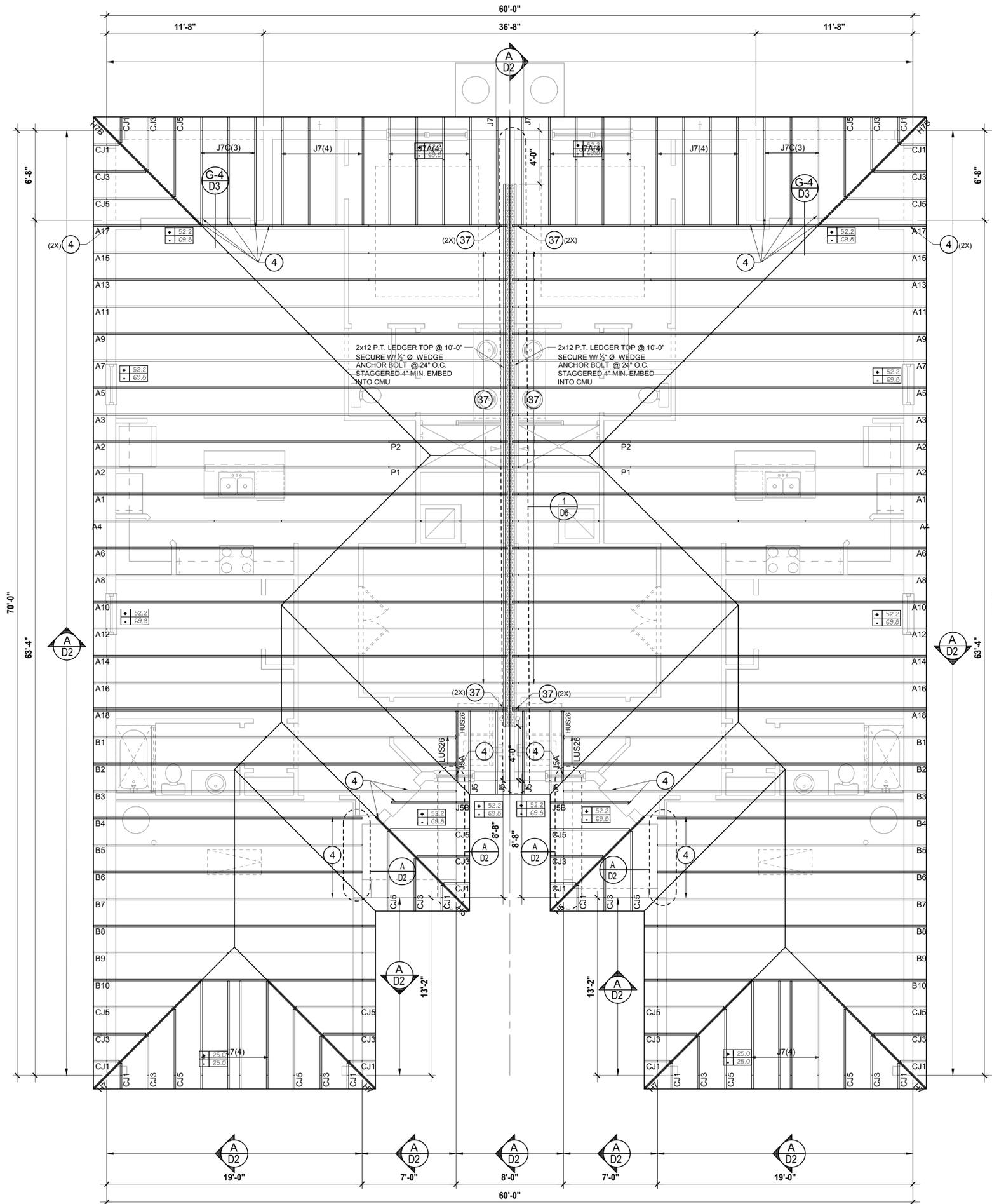
REVISIONS	
DELTA #	DATE

DATE: XX-XX-24  
 SCALE: AS NOTED  
 DRAWN: MR  
 SHEET: **S3.CE**

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### CONNECTOR SCHEDULE

CONNECT. TYPE	SIMPSON DESCRIPTION	FASTENERS PER CONNECTOR	MAX. UPLIFT	LAT. LDB. FI / F2
4	HETA16	3-10d x 1"	1,810	340 / 110
5	DETAL20	10-10d x 1"	2,480	2000 / 1310
20	H3	RFT: 4-8d / FLT: 4-8d	455	125 / 160
21	H1	RFT: 6-8dx1" / FLT: 4-8d	475	485 / 165
22	H10S	RFT: 8-8d x 1"	1010	660 / 550
23	LU926	HDR: 4-10d / JST: 4-10d	935	N/A
24	H1	RFT / TRS: 4-8d	985	400 / N/A
26	H2.5	RFT: 5-8d / FLT: 5-8d	415	150 / 150
34	A34	H: 4-8dx1" / P: 4-8dx1"	365	280 / 303
35	LS50	(8) 1/4" x 1/2"	N/A	580
37	HTS16	14-10d	1,310	N/A
38	MTS16	14-10d	990	N/A
39	MTS30	14-10d	990	N/A
43	LSTA12	10-10d	905	N/A
45	ST18	14-16d	1,200	N/A
47	LSTA24	18-10d	1,295	N/A
71	MSTA36	26-10d	2,135	N/A
72	MSTC66	64-16d SINKERS	5,495	N/A
79	SF1	STD: 6-10d / FLT: 4-10d	535	560 / 260
80	SF2	STD: 6-10d / FLT: 6-10d	605	560 / 260
81	SPH46.8	12-10d x 1"	885	N/A
90	ABU66	12-16d	2,240	N/A
93	CB66	(2) 7/8" BOLTS	2,300	985
92	ABU44	12-16d	2,200	N/A
93	AC6 (MAX)	28-16d	1,815	1,070
94	AC4 (MAX)	28-16d	1,815	1,070
95	HTS20	20-10d	1,450	N/A
96	HD8A	SILL: 7/8" BOLT STUD: (3) 7/8" x 5 7/8" BOLTS	7,910	N/A
97	MTSM16	BLOCK: 4-7" x 2 7/8" TC JOIST: 7-10d	860	N/A
98	HTT4	SILL: 5/8" BOLT STRAP: 18-16d	4,235	N/A
99	A35	H: 4-8dx1" / P: 4-8dx1"	440	440 / N/A
102	HTT5	5/8" BOLT / 26-10d	4,275	N/A
103	YGTR/L	32-9DS 7" x 3 1/2" / (2) 7/8" BLT	3,930	N/A
104	HDUE9-9DS 3 1/8" BLT / (16)-9DS 1/4" x 3 1/2"		9,390	N/A
110	HCP2	12-10d x 1"	520	260 / N/A
167	HHUS46	H: 14-16d / J: 6-16d	1,550	N/A
168	U46	H: 8-10d / J: 4-10d	710	N/A
181	HUS26	20-16d	1,550	N/A
184	HUC28-2	H: 14-16d / J: 4-10d	1,085	N/A
214	HUC212-3TF	HD: 16-3/16" x 1 7/8" TAPCON EM: 6-16d	1,135	N/A
215	HGUS210-2	HDR: 46-16d / JST: 10-16d	2,720	N/A
216	HUS412	BLOCK: 10-7" x 1 7/8" TC JOIST: 10-16d	3,240	N/A
217	HUS212-2	BLOCK: 10-7" x 1 7/8" TC JOIST: 10-16d	2,630	N/A
219	MBHA412	H: 1-ATR3/4X8 TOP FACE JOIST: 18-10d	3,145	N/A
220	HGAMI0KTA	(4) 1/4" x 2 3/4" TITEN	810	875 / 1105
226	MBHA4.75/12	HDR: (2) 3/4" ? x 8" JOIST: 18-10d	2,160	N/A
231	MBHA3.56/16	HDR: (2) 3/4" ? x 8" JOIST: 18-10d	3,450	N/A
232	MBHA3.50/16	HDR: (2) 3/4" ? x 8" JOIST: 18-10d	3,450	N/A
240	H16	R: 2-10dx1" / P: 10-10dx1"	1,470	480 / N/A
241	LGT2	30-16d-sinker	2,000	1015 / 440
301	MGT	(1) 5/8" BLTS / GIR: 22-10d	3,965	N/A
302	HGT-2 or 3	LTL: 3/4" BLTS / GIR: 8-10d	6,485	N/A
303	HGT-4	LTL: 3/4" BLTS / GIR: 16-10d	9,250	N/A
401	SUR/L414	FACE: 18-16d / JST: 8-16d	1,700	N/A
T	CONNECTORS TO BE SPECIFIED & PROVIDED BY TRUSS MANUFACTURERS			



- #### FIELD REPAIR NOTES
- MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.
  - BLOCK WALL OVERHANGING SLAB CONDITION: UP TO 7/8" - NO REPAIR NECESSARY 7/8" TO 1 1/2" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED. 1 1/2" - REQUIRE SPECIAL ENGINEERING LETTER.
  - PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12 @ TOP AND BOTTOM PLATE

- #### NOTES
- TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
  - TYPICAL ROOF EAVES OVERHANG TO BE 16" UNLESS OTHERWISE NOTED.
  - PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC. STANDARDS AND/OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH 8TH EDITION (2023) FLORIDA RESIDENTIAL CODE.
  - ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZE BY TRUSS MANUFACTURER OR FL. REG. ENG.
  - TRUSSES SHALL BE BRACED TO PREVENT ROTATION & PROVIDE LATERAL STABILITY IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS FOR BUILDING & ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, TRUSSES SHALL BE BRACED IN ACCORDANCE WITH TPW/TACA BCSI 1.
  - REFER TO TRUSS MANUFACTURERS DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
  - ROOF UNDERLAYMENT TO BE USED IS 30 LBS. SYNTHETIC FELT.
  - TILE ROOF - UNDERLAYMENT TO BE INSTALLED IAW FBCR 2023, 8TH EDITION R905.1.1 UNDERLAYMENT MATERIALS REQUIRED TO COMPLY WITH ASTM D226, D1970, D4869 AND D6757 SHALL BEAR A LABEL INDICATING COMPLIANCE TO THE STANDARD DESIGNATION AND, IF APPLICABLE, TYPE CLASSIFICATION INDICATED IN TABLE R905.1.1.1 UNDERLAYMENT SHALL BE APPLIED AND ATTACHED IN ACCORDANCE WITH TABLE R905.1.1.1
  - OFF RIDGE VENTS MAXIMUM OPENING SIZES: REFER TO MANUFACTURE SPECIFICATIONS.

**ROOF TRUSSES Plan "EE"**  
SCALE 1/4" = 1'-0"

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH  
**LOT: 0000, COMMUNITY**  
**PAIRED VILLAS**  
**PACIFIC-PACIFIC, PACIFIC-GULF, GULF-GULF**  
**PACIFIC/GULF/**  
**HARBOR SERIES**  
**ROOF FRAMING PLAN**  
**Park Square HOMES**  
**ENTERPRISES, INC.**  
 A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
 THOMPSON ENGINEERING GROUP, INC.  
 5200 Vineland Road, Suite 200  
 Orlando, Florida 32811  
 Phone: (407) 529 - 3000  
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REVISIONS	
DELTA #	DATE

DATE: XX-XX-24  
 SCALE: AS NOTED  
 DRAWN: MR  
 SHEET: **S3.EE**

DISCLAIMER: CONTRACTOR/SUB-CONTRACTOR IS RESPONSIBLE TO REVIEW ALL INFORMATION CONTAINED HEREIN PRIOR TO COMMENCEMENT OF CONSTRUCTION. PARK SQUARE HOMES IS NOT RESPONSIBLE FOR ANY MISINTERPRETATIONS, ERRORS, OMISSIONS OR CUSTOM CHANGES MISSED AND NOT REPORTED PRIOR TO CONSTRUCTION. NO EXCEPTIONS.

# STRUCTURAL NOTES

- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 8TH EDITION, FBCR 2023 (WIND LOAD @ 133 MPH.)  
LIVE LOAD ROOF: 20 PSF.  
FLOOR: 40 PSF, BALCONIES & STAIRS: 40 PSF  
OCCUPANCY= 1.0  
BUILDING CATEGORY R3, WIND EXPOSURE C  
INTERNAL PRESSURE COEFFICIENTS = +0.18 AND -0.18
- WINDOWS, DOORS, AND GARAGE DOORS TO BE DESIGNED TO MEET FBCR SECTION R301
- ALL FLOOR SLABS TO BE OF 2,500 PSI CONC. PLANT MIX MIN. 5" THICK WITH 6x6 10/10 WIRE MESH 6 MIL. POLY. VAPOR-BARRIER OVER TERMITES TREATED COMPACTED CLEAN FILL.
- CONCRETE MASONRY UNITS SHALL MEET: CH. 1-3 OF ACI 530-02/ ASCE 5-02/TMS 402-02 OR BIA BUILDING CODE REQUIREMENTS.

- MORTAR TO BE TYPE "M" OR "S", GROUT - 2,500 PSI @ 28 DAYS.
- MASONRY CLEAN OUTS REQUIRED @ GROUT GREATER THAN FIVE (5) FEET IN HEIGHT AND ALL VERTICALS.
- REBAR TO BE # 5'S GRADE 60, W/ MIN. LAP OF 25". USE "L" BARS @ CORNERS AND USE STANDARD HOOKS @ CHANGE IN DIRECTION WITH MIN. LAP 12"
- GYP. BD. CEILING SHALL BE INSTALLED PERP. TO FRAMING & NAILED @ 7" O.C. WITH 5d NAILS. GYP. BD. WALLS SHALL BE NAILED @ 8" O.C. WITH 5d NAILS
- UPLIFT CONNECTOR'S TO PROVIDE CONTINUITY FROM ROOF TRUSSES THRU PLATES TO SLAB AND FOUNDATION PER ENCLOSED DETAILS.
- EPOXY ANCHOR ALTERNATIVE:  
THREADED ANCHOR ROD MAY BE USED IN LIEU OF ANCHOR BOLTS FOR USE AS PLATE ANCHORS OR HURRICANE ANCHORS.  
THE FOLLOWING CRITERIA MUST BE MET:

ANCHOR SIZE	CONC. HOLE SIZE	MIN. HOLE DEPTH
1/2"	3/4"	7"
-5/8"	-7/8"	7"
-3/4"	1"	8"
-7/8"	1-1/8"	9"

AFTER HOLE IS DRILLED, ALL CONCRETE DUST MUST BE REMOVED PRIOR TO EPOXY INSTALLATION. THREADED ROD TO BE MIN. A36 STEEL AND FREE OF DIRT OR GREASE. LOAD ON ROD CANNOT BE APPLIED UNTIL 12 HOURS AFTER INSTALLATION. 2 COMPONENT EPOXY RESIN MATERIAL TO BE MIXED PER MFG. DIRECTIONS.

## WOOD STRUCTURAL NOTES

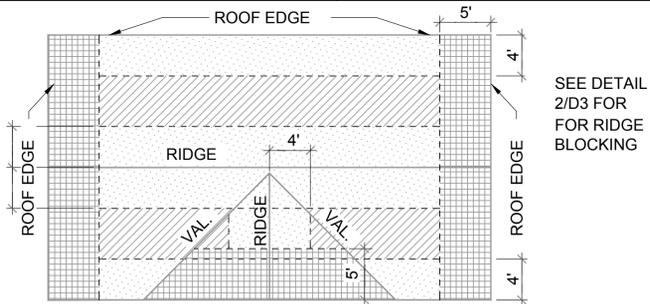
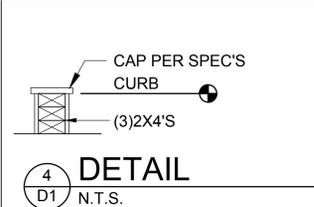
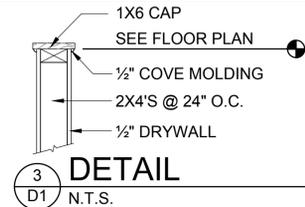
- ALL WOOD TO BE SPECIES, GROUP, AND GRADE AS NOTED BELOW. DAMAGED WOOD NOT TO BE USED.
- ALL STRUCTURAL LUMBER SHALL BE SPF (SPRUCE-PINE-FIR) #2 OR BETTER UNLESS OTHERWISE NOTED. (PRE ENG. TRUSSES EXCLUDED)
- END JOINT IN STRUCTURAL DOUBLE TOP PLATE TO BE OFFSET AT LEAST 4". STRUCTURAL DOUBLE PLATES TO BE NAILED @ 6" O.C..
- PLYWOOD OR OSB. WALL SHEATHING NAIL PATTERN TO BE 10d @ 6" O.C.. UNLESS OTHERWISE NOTED.
- NUMBER OF HEADER STUDS AND ADJACENT FULL LENGTH STUDS PER WALL AND HEADER STUD REQUIREMENT SCHEDULE.
- MAX. 1" HOLE DRILLED INTO EXTERIOR STRUCTURAL STUDS.
- DBL. STUDS @ EA. END OF SHEAR WALL.
- WHEN ANCHORING MULTIPLE WD. ITEMS TOGETHER, THE LENGTH OF HURRICANE STRAP MUST BE CENTERED.
- NAIL PATTERN  
-DOUBLE PLATE 12" O.C.. OUTSIDE SPLICE ZONE (SEE NOTE 4)  
-DOUBLE STUDS @ 12" O.C..  
-DOUBLE OR TRIPLE HEADER @ 6" O.C.. @ EDGE @ 12" O.C.. INTERMEDIATE.  
-HEADER TO STUD @ 4" O.C.. EA. HEADER MEMBER.  
-STUD TO TOP OR BOTTOM PLATE : (2) 16d THRU PLT. OR (2) 16d EA. SIDE TOE NAILED TO PLT.
- ROOF SHEATHING SHALL BE FASTENED TO ROOF FRAMING IN ACCORDANCE WITH TABLE R803.2.3.1 FOR SHINGLE ROOF TO BE MIN. 19/32 OSB, NAILED TO ROOF TRUSSES SPACED @ 24" O.C. (MAX) WITHOUT BLOCKING. SHEATHING SHALL BE FASTENED WITH ASTM F1667 RSRs-01(2 3/8" X0.113") NAILS OR RSRs-04 (3"X0.120"X0.281 HEAD DIAMETER) NAILS.  
-ROOF SHEATHING FOR TILE ROOF TO BE MIN. 15/32" OSB, 1/2" CDX PLYWOOD OR 1/2" ADVANTECH. NAILED TO ROOF TO ROOF TRUSS SPACED @ 24" O.C. (MAX) WITHOUT BLOCKING. SHEATHING SHALL BE FASTENED WITH RSRs-04 (3"X0.120"X0.281 HEAD DIAMETER) NAILS.
- FLOOR SHEATHING TO BE MIN. 23/32" PLYWOOD NAILED @ 6" O.C. W/ #8 RING SHANK NAILS AND LIQUID NAIL ADHESIVE.
- ALL FLOOR TRUSSES TO BE END BLOCKED @ BEARING LOCATIONS
- TRUSS BRACING PER TRUSS MANUFACTURE'S DRAWINGS.
- ALL NAILING SPECIFIED TO BE APPLIED BY NAIL GUN OR MANUALLY
- ALL WOOD IN DIRECT CONTACT WITH MASONRY SHALL BE PRESSURE TREATED.
- 2000 PSF MINIMUM SOIL BEARING CAPACITY
- NON BEARING WALL: 2X4 SPACED AT 24" O.C. BLKG. REQUIREMENTS:
  - UP TO 9'-4" NO BLOCKING REQUIRED.
  - 10'-0" TO 11'-4" (1) MID-SPAN BLOCKING
  - 11'-4" TO 12'-0" (2) @ 4'-0" O.C. BLOCKING.
 ALL GARAGE/INTERIOR SEPARATION WALLS, CABINET WALL, AND SHOWER WALLS SHALL BE FRAMED @ 16" O.C.

## GENERAL CONTRACTOR:

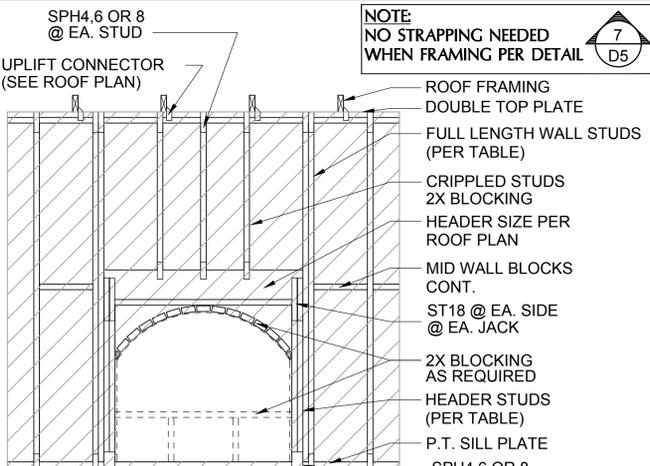
IT IS RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSTALL ALL MATERIALS MEETING FLORIDA APPROVAL COMPLIANCE TO AVOID WATER INTRUSION AND MOISTURE INTRUSION ON WINDOWS, DOORS, ROOF, AND ANY OTHER AREA AROUND EACH UNIT/ HOUSE/ APARTMENT/ CONDOMINIUM/ TOWNHOUSE.

## FIELD REPAIR NOTES

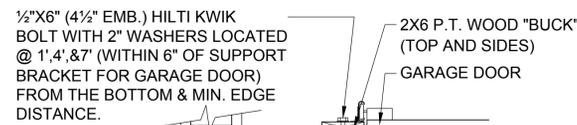
- MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ (1) USP MTW16 OR HC10 OR SIMPSON MTSM16 W/ (4) -1/4" X 2-1/4" TAPCONS TO BOND BEAM AND (7) 10d NAILS TO TRUSS FOR UPLIFTS LESS THAN 860 LBS (USE (2) MTSM16 FOR UPLIFTS LESS THAN 1720#). NO MORE THAN 10 STRAPS MAY BE SUBSTITUTED OR NO MORE THAN 3 IN A ROW. IF GIRGER TRUSS CONNECTIONS ARE MISSED CONTACT ENGINEER FOR SUBSTITUTION.
- MISSED J-BOLTS FOR FRAMED EXTERIOR/ BEARING WALLS MAY BE SUBSTITUTED W/ 1/2" DIA. x 7" LONG WEDGE ANCHORS (REDHEADS).
- MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.
- BLOCK WALL OVERHANGING SLAB CONDITION:  
-7/8" - NO REPAIR NECESSARY  
-7/8" TO 1-1/4" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED.  
1-1/4" - REQUIRE SPECIAL ENGINEERING LETTER.
- PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/ FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12 @ TOP AND BOTTOM PLATE.



ROOF NAILING PATTERN	
ZONE:	10d RING SHANK NAILS @ 6" O.C. EDGES AND 6" O.C. FIELD
ZONE:	10d RING SHANK NAILS @ 6" O.C. EDGES AND 6" O.C. FIELD
ZONE:	10d RING SHANK NAILS @ 4" O.C. EDGES AND 6" O.C. FIELD



TYP. FRAMING FOR OPNGS.



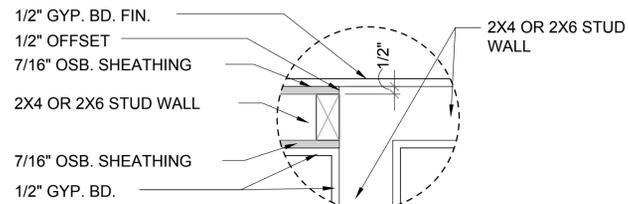
- DETAIL TO SATISFY 150 MPH WIND LOAD
- MASONRY FRAME SHALL BE MIN 8X16 ASTM C-9D
- GROUT FILLED CELL W/ 1/2" ASTM 2 #5 REBAR (GRADE 60) @ EA. SIDE OF GARAGE DOOR OPENING
- MAX. DISTANCE TO CORNER OF C.B.S. WALL REINF. 48"
- REINF. TO BE CONT. FROM FTG. TO TIE BEAM W/ ALL "ACI" DETAILS & DEVELOPMENT LENGTHS ADHERED TO
- GARAGE DOOR MANUF. TO PROVIDE ATTACHMENT TO "BUCK"

- THE GARAGE DOOR ASSEMBLY SHALL BE DESIGNED FOR POSITIVE AND NEGATIVE WIND PRESSURES OF 25 PSF IN ACCORDANCE WITH SECTION R301 OF THE FLORIDA RESIDENTIAL CODE CERTIFICATION SHALL BE SUBMITTED FROM THE GARAGE DOOR MANUFACTURER TO THE BUILDING DEPARTMENT FOR THE FOLLOWING ITEMS:
  - THE DESIGN OF THE DOOR CAN WITHSTAND POSITIVE AND NEGATIVE WIND PRESSURES OF 25 PSF.
  - THE DESIGN OF THE DOOR COMPLIES WITH THE CRITERIA SPECIFIED IN SECTION R609 OF THE 2023 FLORIDA BUILDING CODE RESIDENTIAL, 8TH EDITION
  - DOOR SIZE, TYPE AND GLAZING
  - TRACK SIZE AND FASTENER DETAILS.
  - TRACK BRACKET QUANTITY, SPACING AND FASTENER DETAILS.
  - REINFORCING MEMBER QUANTITY, LOCATION, SIZE, TYPE AND FASTENER DETAILS. (IF REQUIRED)

- THE DESIGN OF THE DOOR CAN WITHSTAND POSITIVE AND NEGATIVE WIND PRESSURES OF 25 PSF.
- THE DESIGN OF THE DOOR COMPLIES WITH THE CRITERIA SPECIFIED IN SECTION R609 OF THE 2023 FLORIDA BUILDING CODE RESIDENTIAL, 8TH EDITION
- DOOR SIZE, TYPE AND GLAZING
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- TRACK BRACKET QUANTITY, SPACING AND FASTENER DETAILS.
- REINFORCING MEMBER QUANTITY, LOCATION, SIZE, TYPE AND FASTENER DETAILS. (IF REQUIRED)

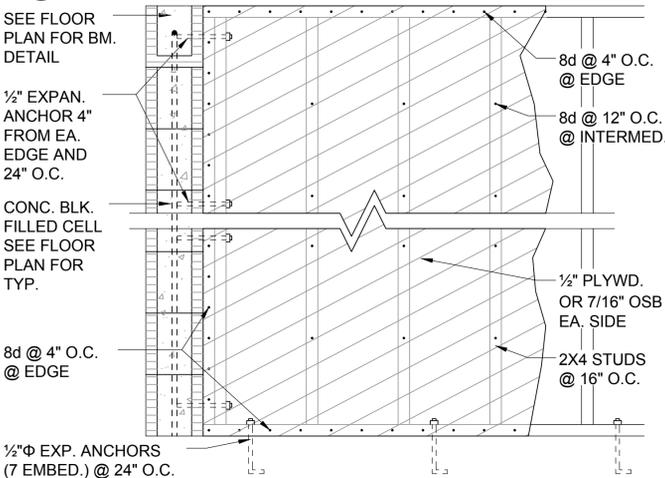
## GARAGE BUCK DETAIL

N.T.S.



## DETAIL @ CONN. TO REG. WALL

N.T.S.



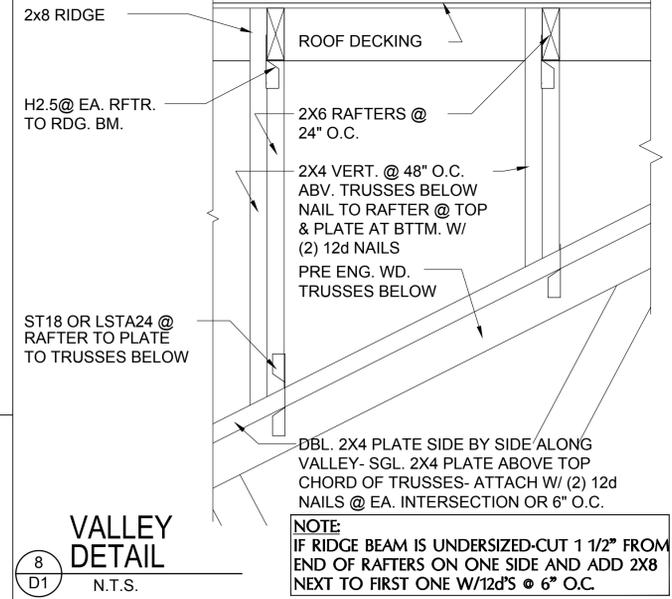
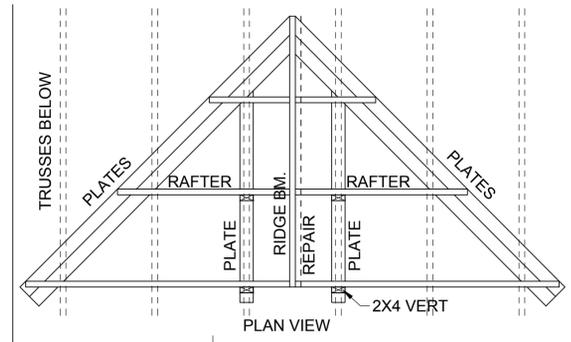
## SHEAR WALL DETAIL

N.T.S.

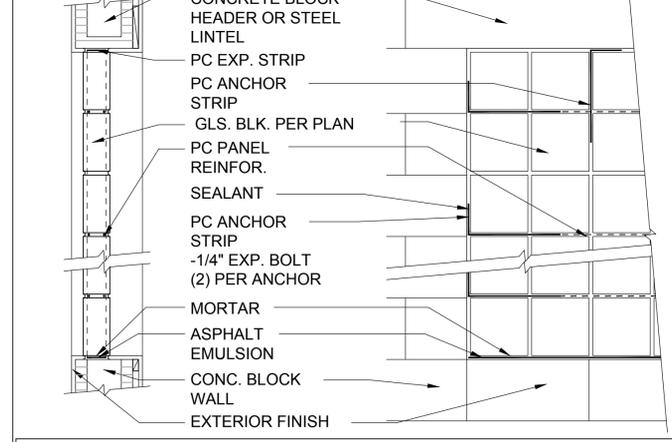
USE ONLY WHEN NOTED AS SHEAR WALL ON PLANS

## MIN. WALL AND HEADER REQUIREMENTS

UNSUPPORTED WALL HEIGHT	STUD SPACING	MAXIMUM HEADER SPAN (ft.)					
		3'	6'	9'	12'	15'	18'
10' OR LESS	1	NUMBER OF HEADER STUDS SUPPORTING END OF HEADER					
		2	2	3	3	3	3
GREATER THAN 10'	2	NUMBER OF FULL-LENGTH STUDS @ EACH END OF HEADER					
		2	2	3	4	5	5



N.T.S.



## PANEL ANCHOR CONSTRUCTION

PC PANEL REINFORCING (TOP): USED IN PANELS OVER 25" S.F. IN AREA, IS EMBEDDED HORIZONTALLY IN THE MORTAR JOINTS BETWEEN EVERY OTHER COURSE. PANEL REINFORCING IS FORMED OF TWO PARALLEL WIRES, EITHER 1-5/8" O.C. (FOR USE WITH "THINLINE" SERIES GLS. BLK.) OR 2" O.C. (FOR USE W/ "PREMIERE" SERIES GLS. BLK.), W/ BUTT WELDED CROSSWIRES AT REGULAR INTERVALS. 4' AND 10' LENGTHS AVAILABLE.

PC PANEL ANCHORS (MIDDLE): ARE USED TO TIE PITTSBURGH CORNING GLASS BLOCK PANELS INTO THE SURROUNDING FRAMEWORK WHEN CHANNELS ARE NOT USED. FORMED FROM 20 GAUGE PERFORATED. THEN GALVANIZED STEEL STRIPS, PANEL ANCHORS ARE AVAIL. IN 1-3/4" WIDTHS X 24" LENGTHS.

PC EXPANSION STRIPS (BOTTOM): MADE OF WHITE POLYETHYLENE, ARE INSERTED AT THE HEAD AND THE STRIPS REPLACE MORTAR AT THESE POINTS TO CUSHION THE GLASS BLOCK AND ALLOW THE PANEL TO EXPAND & CONTRACT FREELY. FOR METAL CHANNEL OR MASONRY CHASE CONSTRUCTION, PC EXPANSION STRIPS ARE AVAILABLE 3/8" THICK X 4" WIDE X 24" LONG. FOR PANEL ANCHOR CONSTRUCTION, STD. 4" WIDE STRIPS ARE EASILY CUT TO 3" WIDTH, FOR 3-7/8" "PREMIERE" SERIES BLK., AND TO 2-1/4" WIDTH, FOR 3-1/8" "THINLINE" SERIES BLOCK.

## GLASS BLOCK DETAIL

N.T.S.

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PAIRED VILLAS  
PACIFIC-PACIFIC/PACIFIC-GULF, GULF-GULF  
PACIFIC/GULF/  
HARBOR SERIES

STRUCTURAL NOTES  
& DETAILS

Park Square Homes

REVISIONS

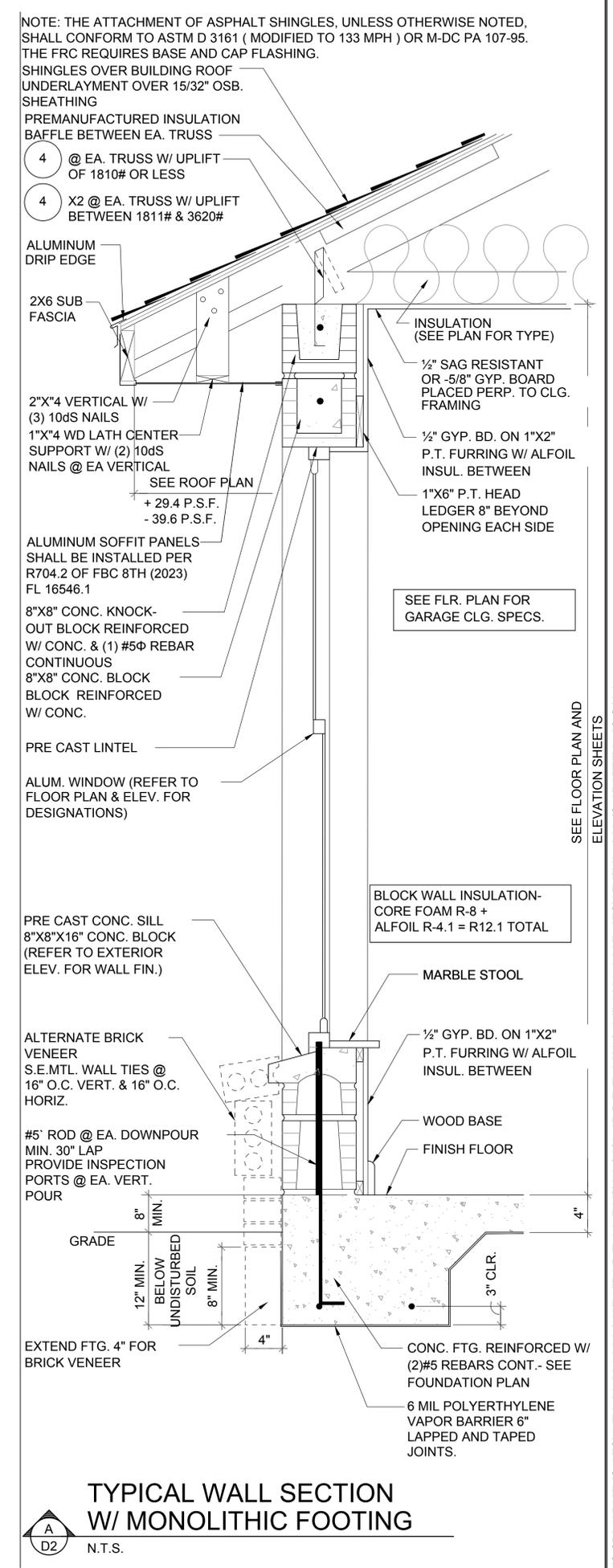
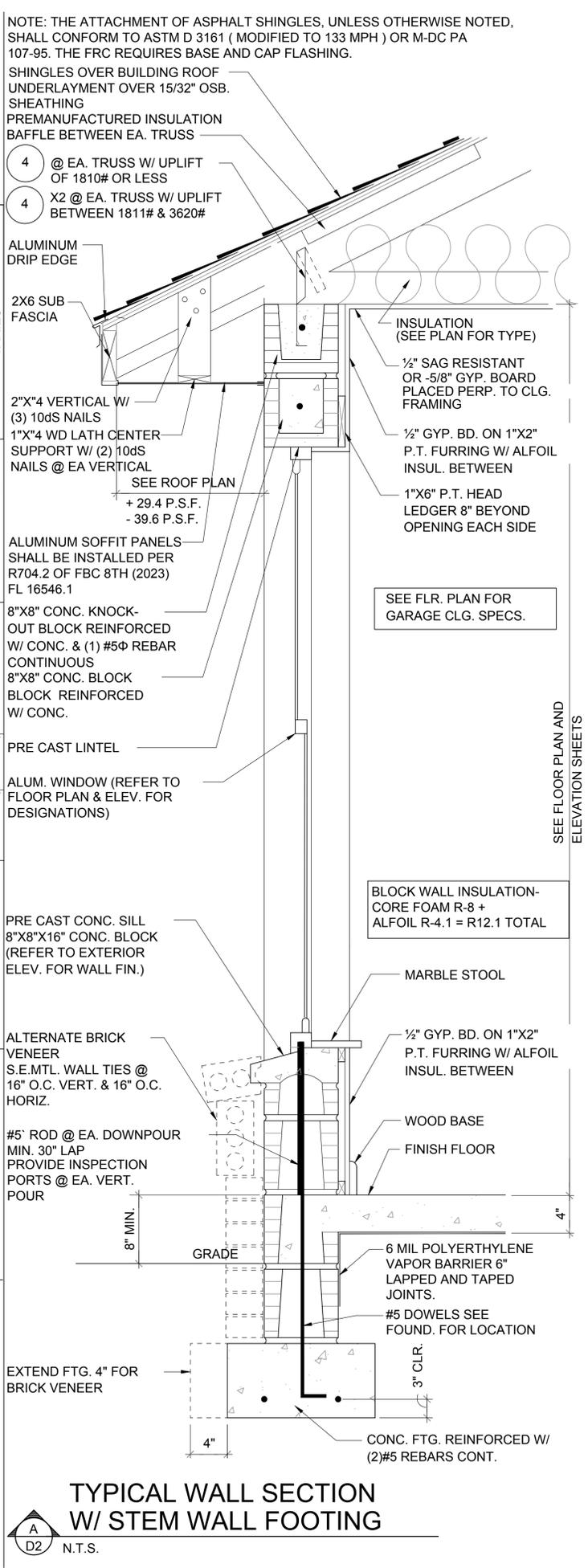
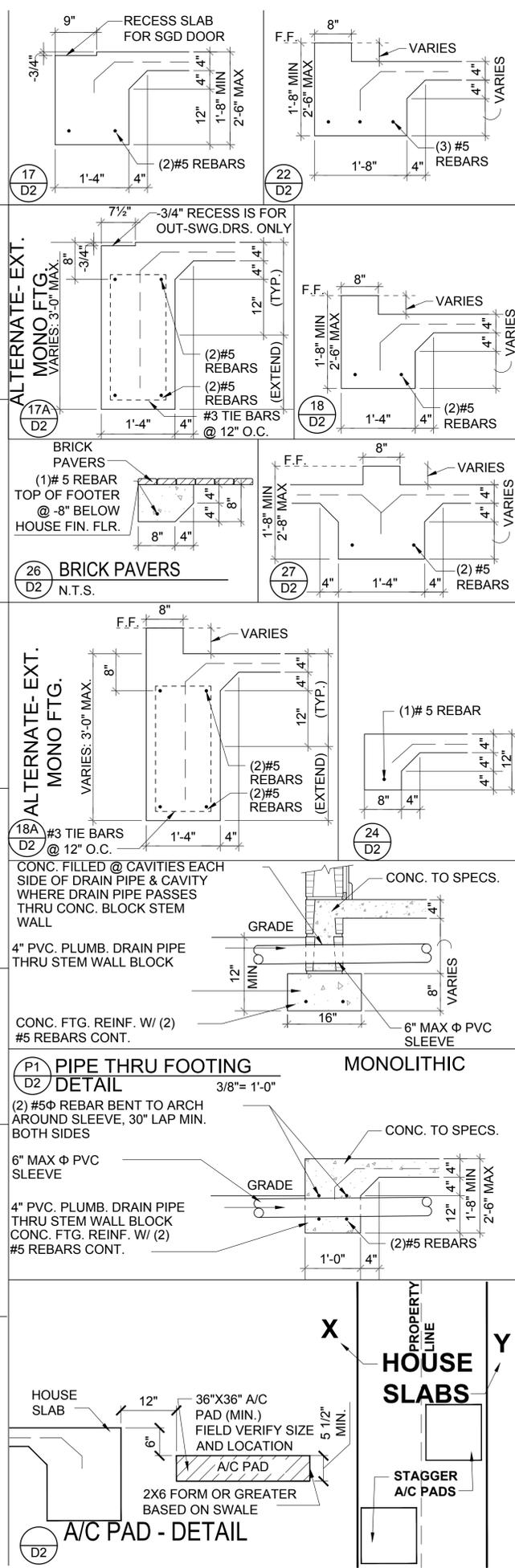
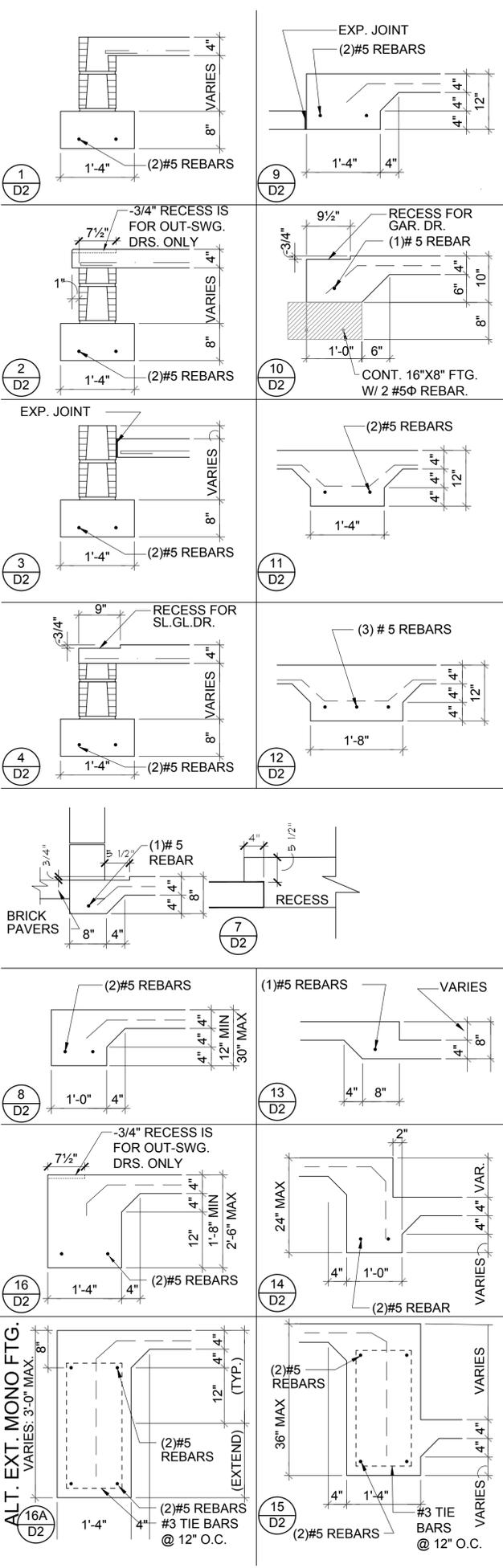
DELTA #	DATE

DATE: XX-XX-24

SCALE: AS NOTED

DRAWN: MR

SHEET: D1



THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

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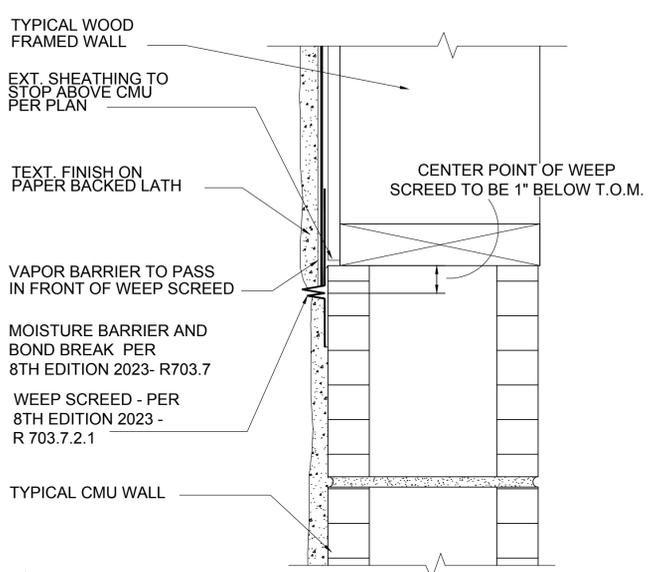
**Park Square Homes**

STRUCTURAL DETAILS SERIES  
HARBOR SERIES

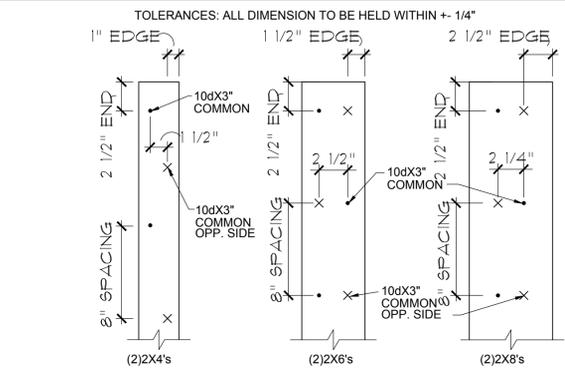
PAIRED VILLAS  
PACIFIC-PACIFIC, PACIFIC-GULF, GULF-GULF  
PACIFIC/GULF/  
HARBOR SERIES

REVISIONS	
DELTA #	DATE

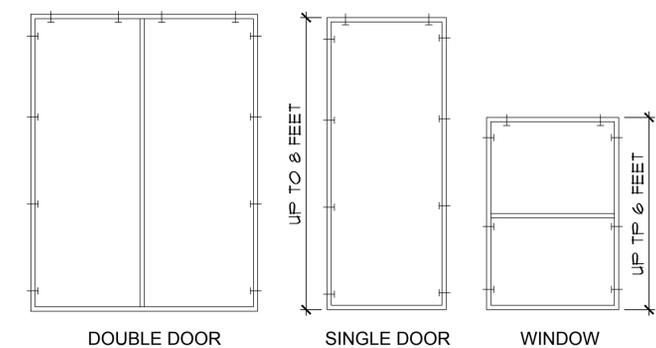
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DRAWN: MR  
SHEET: D2



**A**  
D3  
**FLASHING DETAIL**



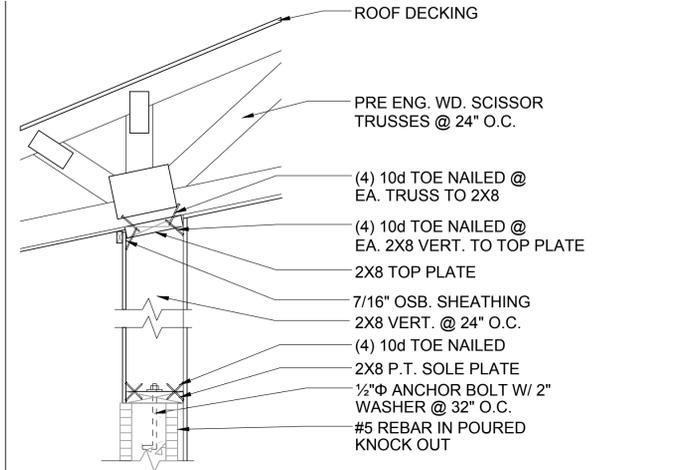
**B**  
D3  
**2X BUILT-UP STUD COLUMN DETAILS**  
17" = 1'-0"



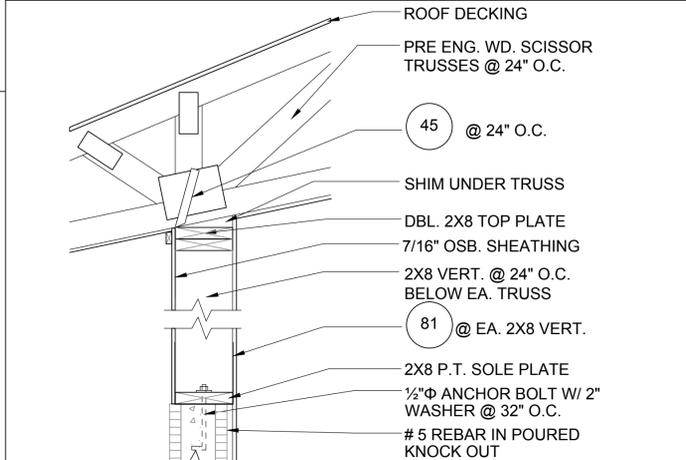
FOR MULTIPLE WINDOWS AND DOORS USE 2 TAPCONS PER WINDOW AT THE HEAD AND 4 TAPCONS AT THE JAMB.  
**BUCK ATTACHMENT DATA**  
 BUCKS SHALL BE 1x4 OR 2x8 PT AT WINDOWS OR 2x8 PT AT DOORS IN PINE OR SPRUCE. AT WINDOWS ATTACH BUCKS TO BLOCK WITH COMMON T-NAILS AND PLACEMENT SIMILAR TO TAPCONS SHOWN. AT DOORS OR FIN WINDOWS IN BLOCK, ATTACH BUCKS W/ 2 T-NAILS TOP AND BOTTOM AND 8" O.C. STAGGERED IN THE FIELD.

USE MIN. 2-1/4" T-NAILS W/ 1x BUCK. USE MIN. -1/4" x 3" TAPCONS W/ 2x BUCK. START ALL END TAPCONS WITHIN 4" OF CORNERS AND 16" ON CENTER MAXIMUM.  
 FOR FRAME ANCHORING USE MIN. 2-1/4" T-NAILS W/ 1x BUCK. USE MIN. -1/4" x 3" TAPCONS W/ 2x BUCK. START ALL END TAPCONS WITHIN 6" OF CORNERS AND 14" ON CENTER MAXIMUM.

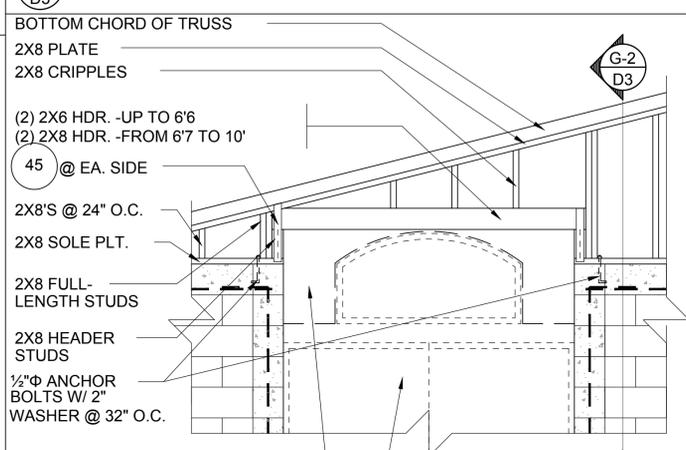
**NOTE**  
 IN CASE OF BLOCK OPENINGS LARGER THAN DOOR FRAMING: ATTACH ADDITIONAL 2X FRAMING TO THE BLOCK WALL USING 1/4" x 4" TAPCONS AT 3" FROM END AND 12" O.C. IN THE CENTER. ATTACH TOP FRAMING TO HEADER USING 1/4"x1-3/4" TAPCONS W/ (1) 6" FROM END TO END AND 12" O.C. IN THE CENTER.



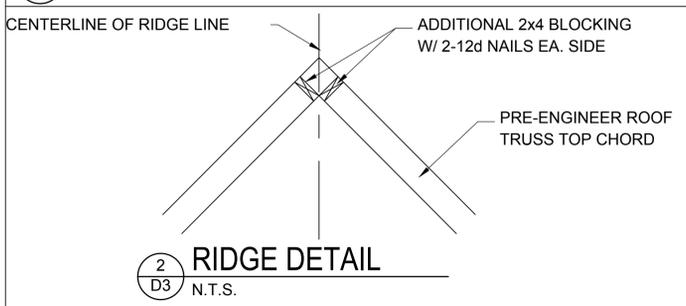
**G-6**  
D3  
**NON-BEARING**



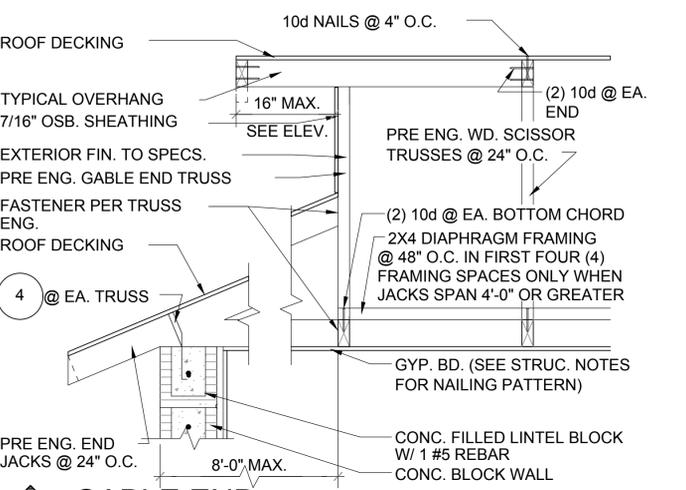
**G-7**  
D3  
**BEARING**



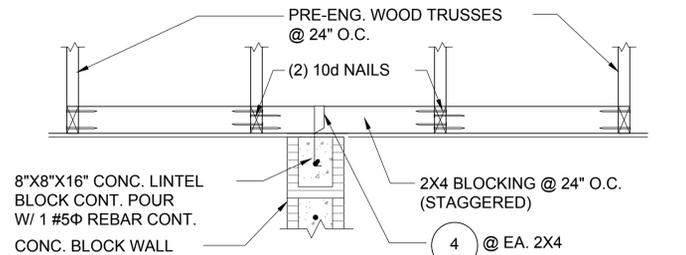
**B**  
D3  
**GABLE END**



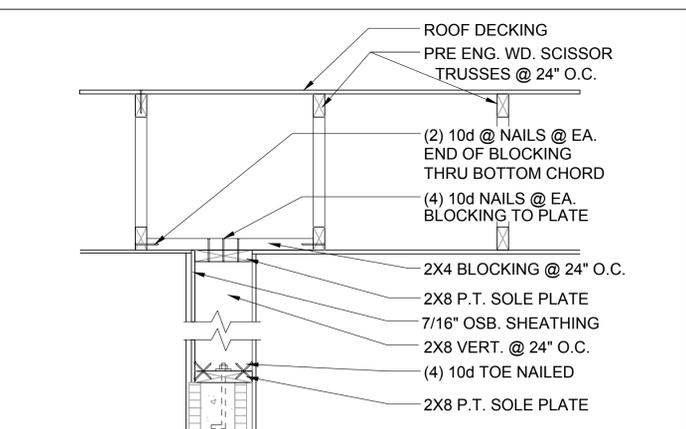
**2**  
D3  
**RIDGE DETAIL**  
N.T.S.



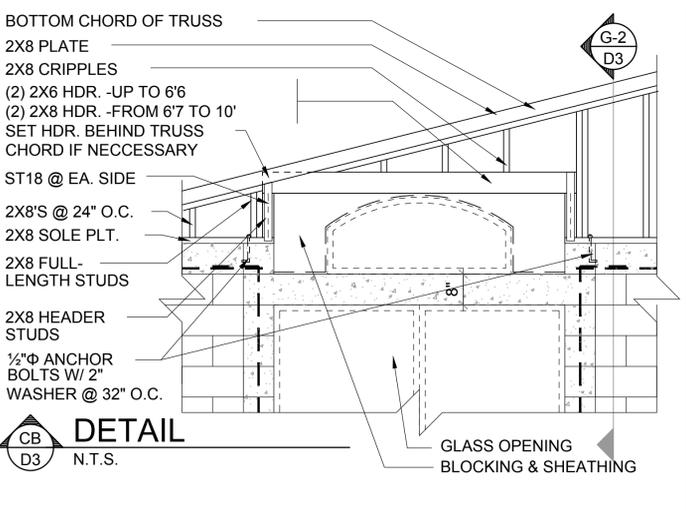
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D3  
**GABLE END**



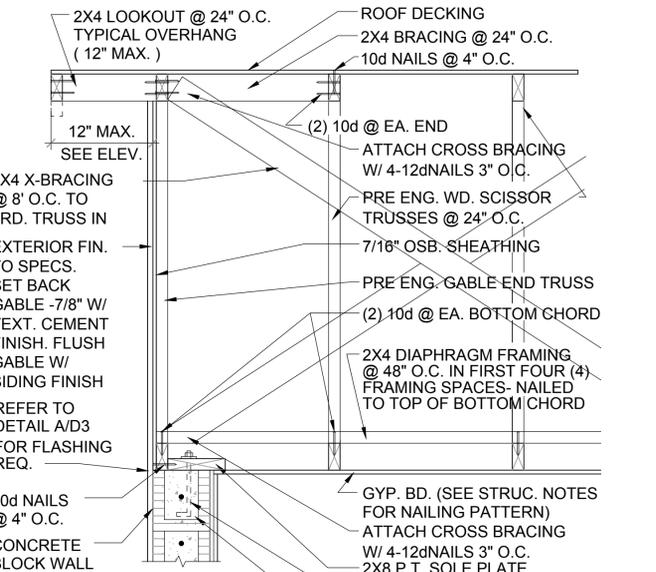
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D3  
**DETAIL**



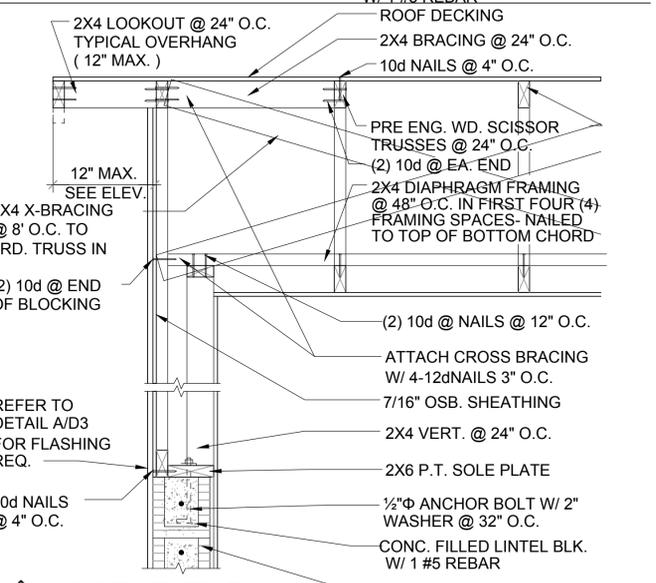
**G-5**  
D3  
**GABLE END**



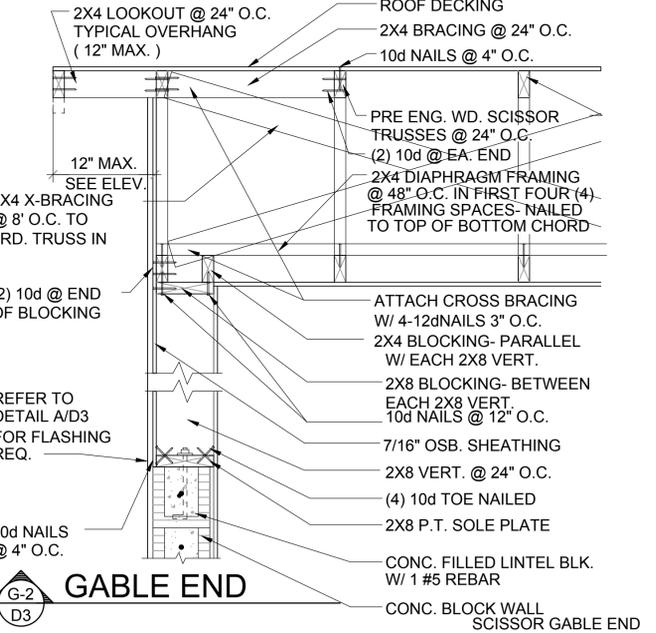
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D3  
**DETAIL**  
N.T.S.



**G-1**  
D3  
**GABLE END**

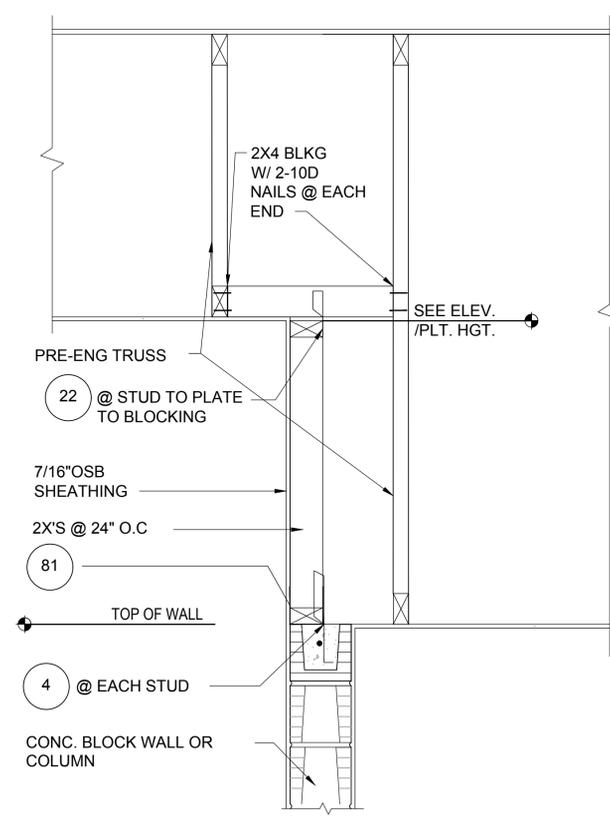


**G-2F**  
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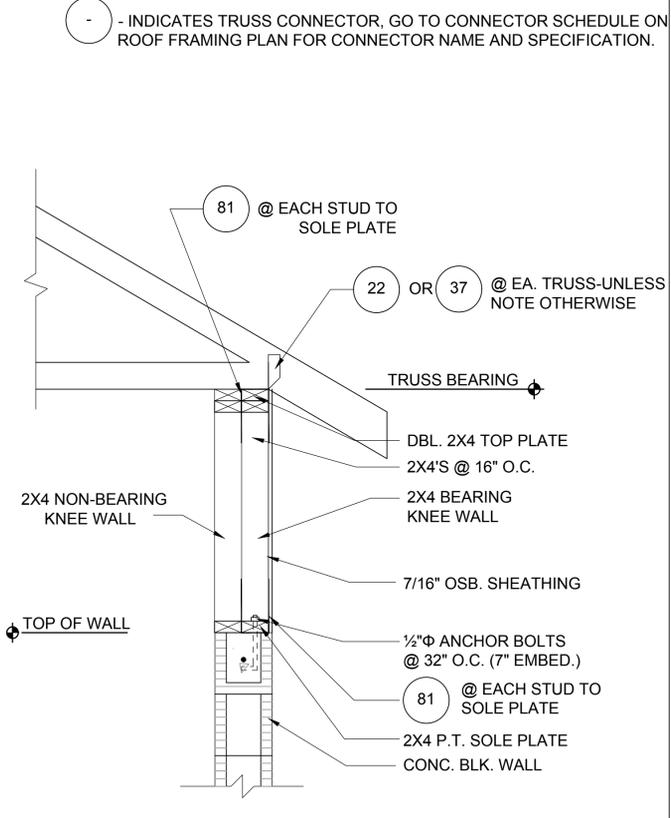


**G-2**  
D3  
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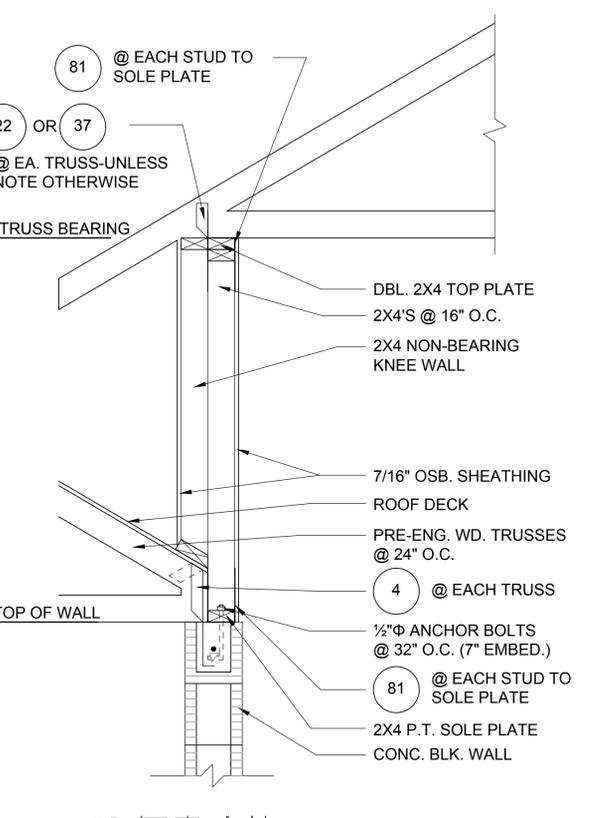
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**PAIRED VILLAS**  
**PACIFIC-PACIFIC (PACIFIC-GULF), GULF-GULF**  
**PACIFIC/GULF/ HARBOR SERIES**  
**STRUCTURAL DETAILS**  
**Park Square Homes**  
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 Orlando, Florida 32811  
 Phone: (407) 529 - 3000  
 THOMPSON ENGINEERING GROUP, INC.  
 4401 Vineland Road, Suite A6 Orlando, FL 32811  
 Tel: (407) 724-1700  
 www.thegroup.com  
 REVISIONS  
 DELTA # DATE  
 DATE: XX-XX-24  
 SCALE: AS NOTED  
 DRAWN: MR  
 SHEET: D3  
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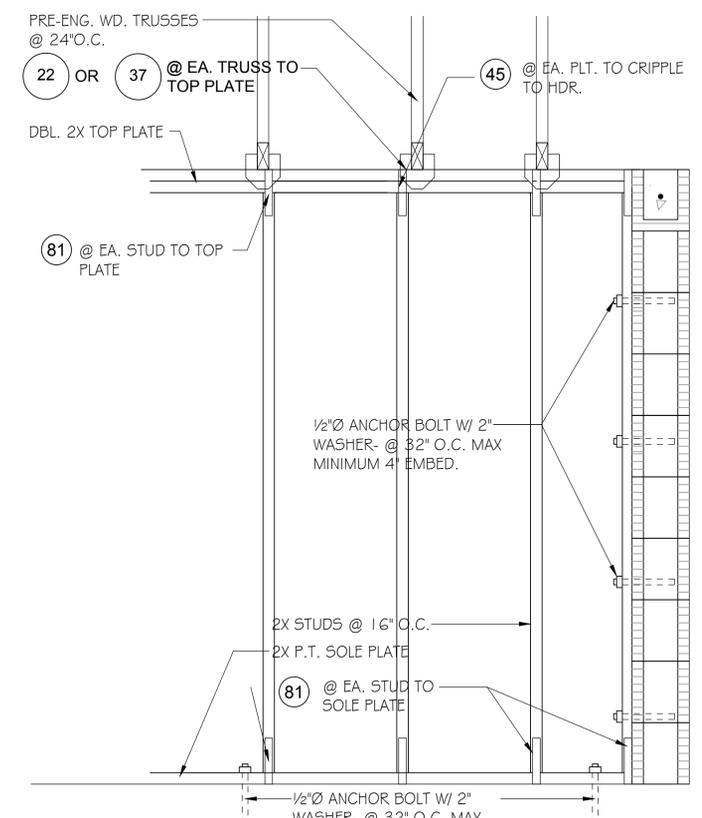
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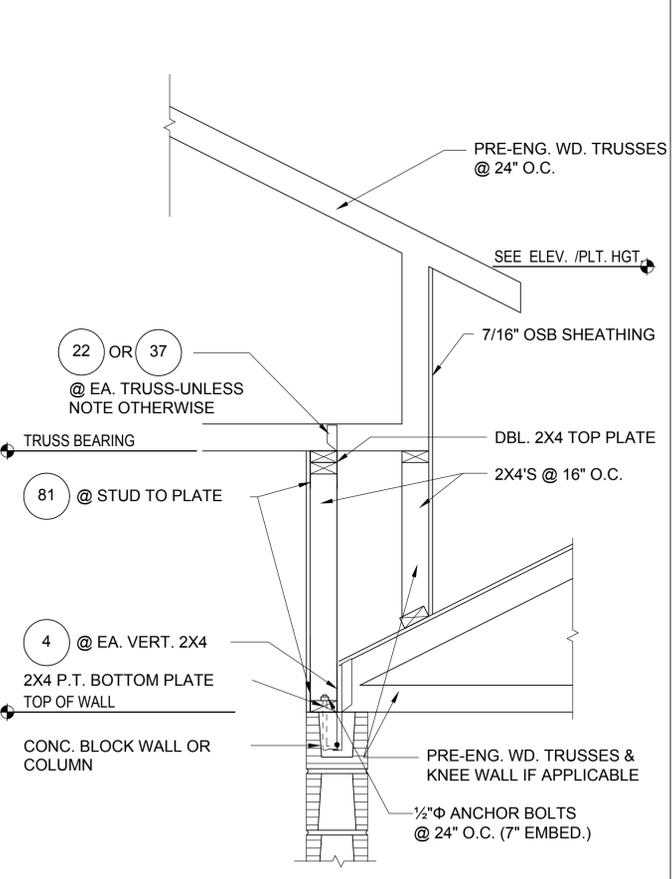
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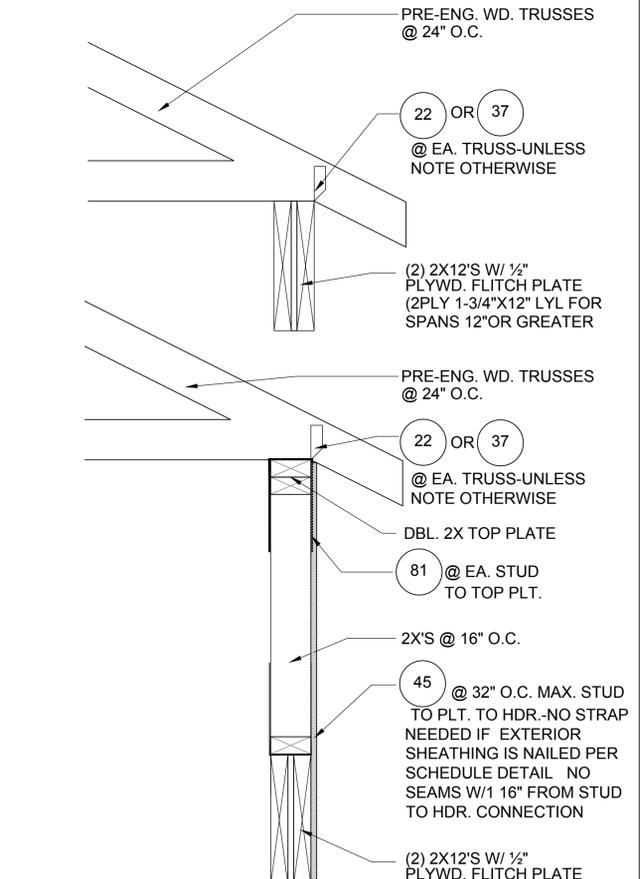
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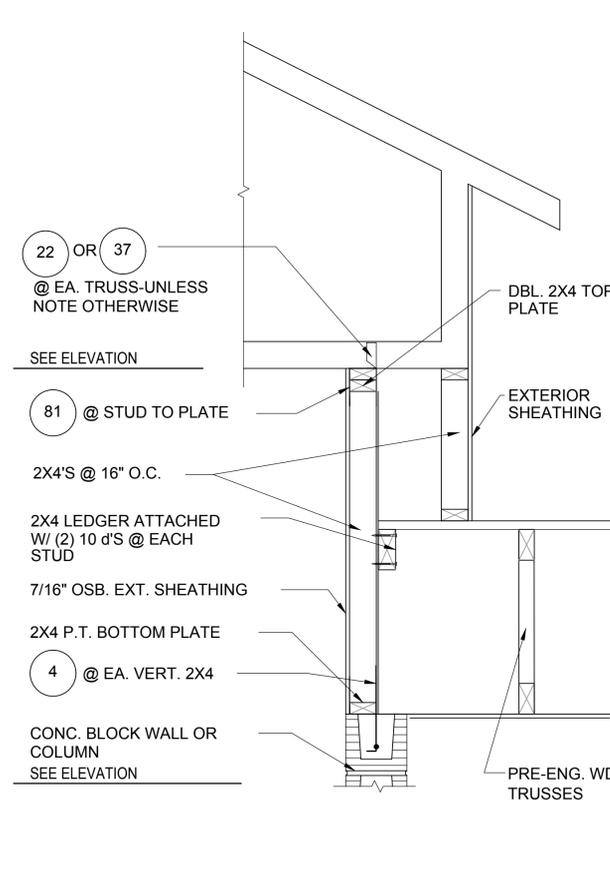
**7** **DETAIL**  
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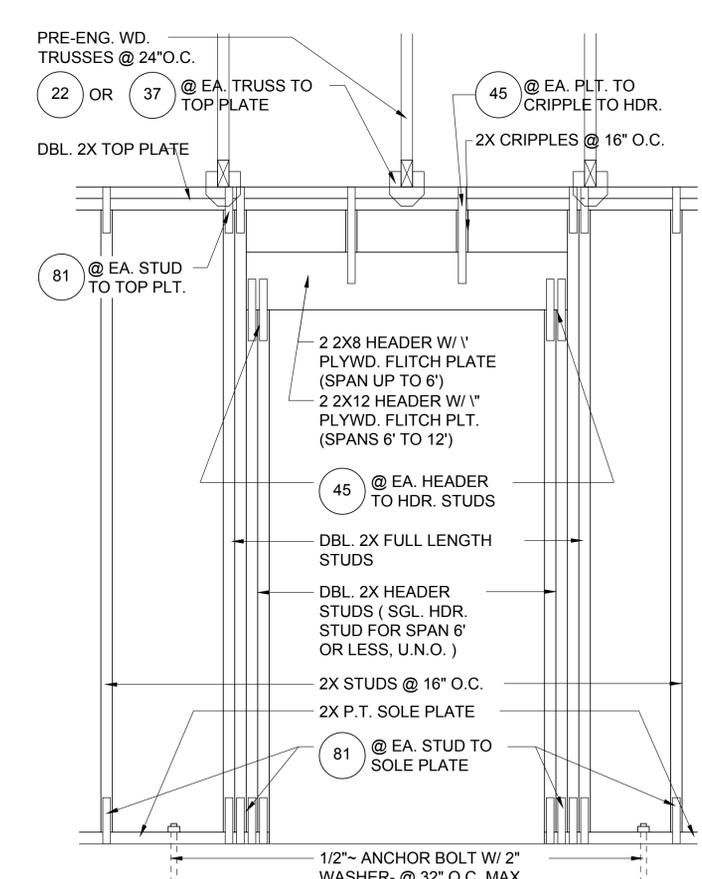
**4** **DETAIL**  
D4 N.T.S. (11X17) 1"=1'-0" (22X34)



**5** **DETAIL**  
D4 N.T.S.



**6** **DETAIL**  
D4 N.T.S.



**8** **DETAIL**  
D4 N.T.S.

○ - INDICATES TRUSS CONNECTOR, GO TO CONNECTOR SCHEDULE ON ROOF FRAMING PLAN FOR CONNECTOR NAME AND SPECIFICATION.

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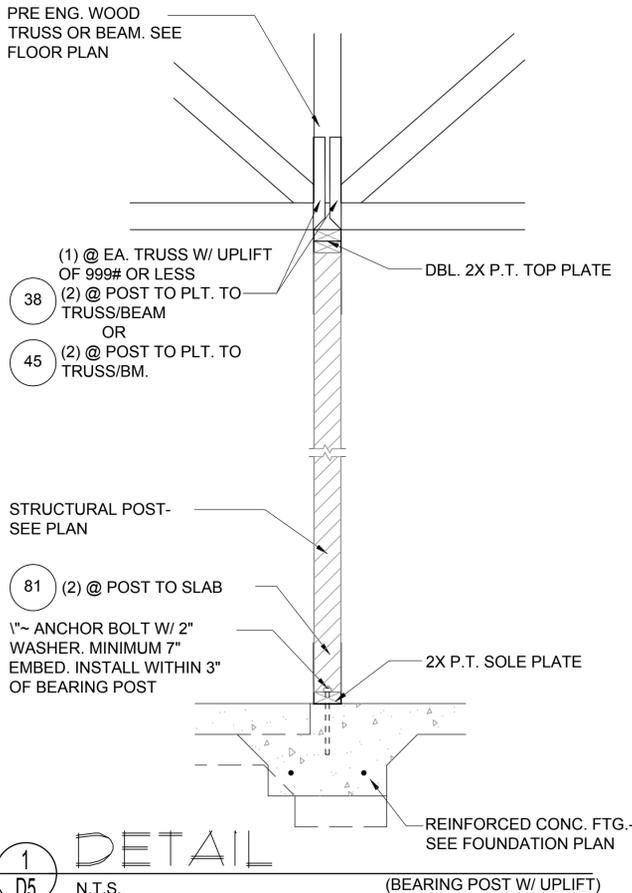
**PAIRED VILLAS**  
**PACIFIC-PACIFIC/PACIFIC-GULF, GULF-GULF**  
**PACIFIC/GULF/**  
**HARBOR SERIES**

**STRUCTURAL DETAILS**

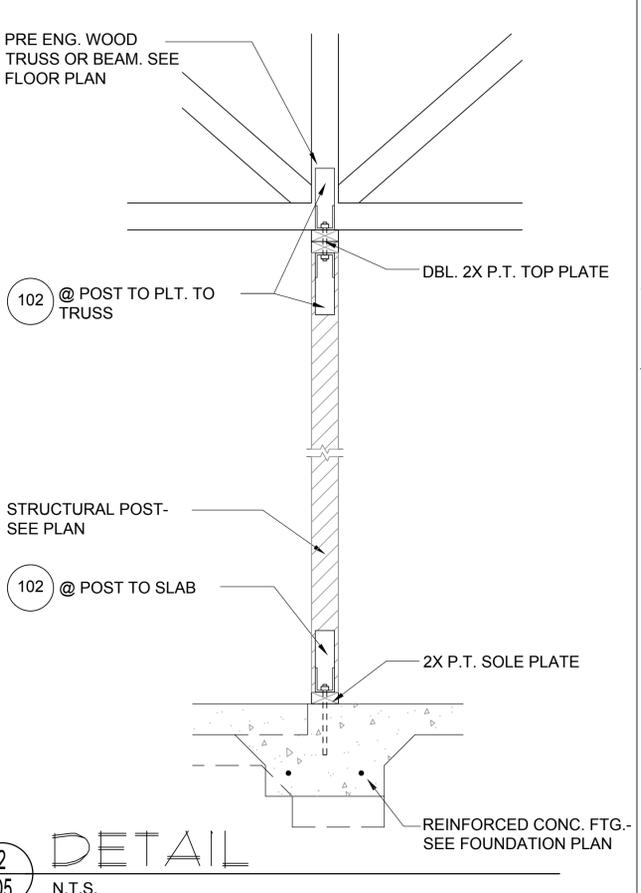
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Orlando, Florida 32811  
Phone: (407) 529 - 3000  
www.hgh.com

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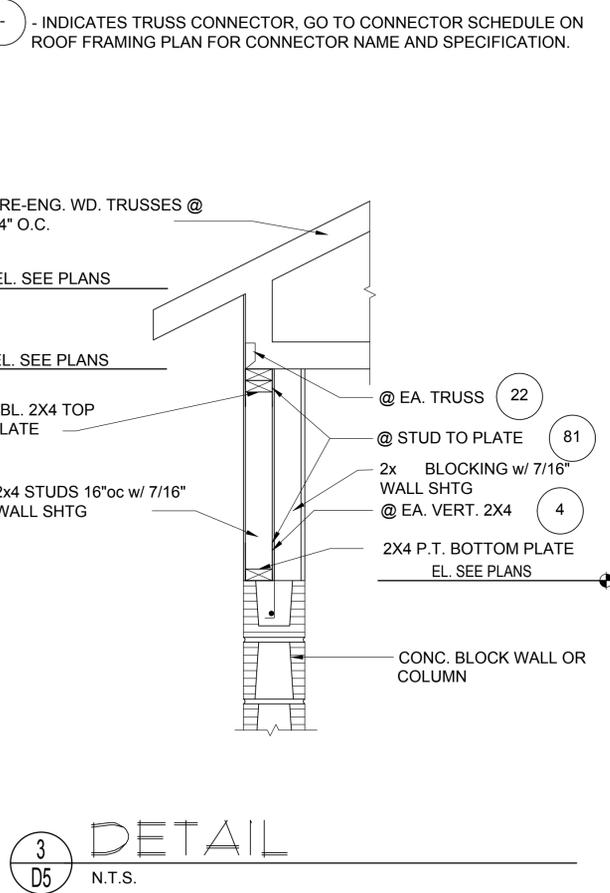
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SHEET: D4



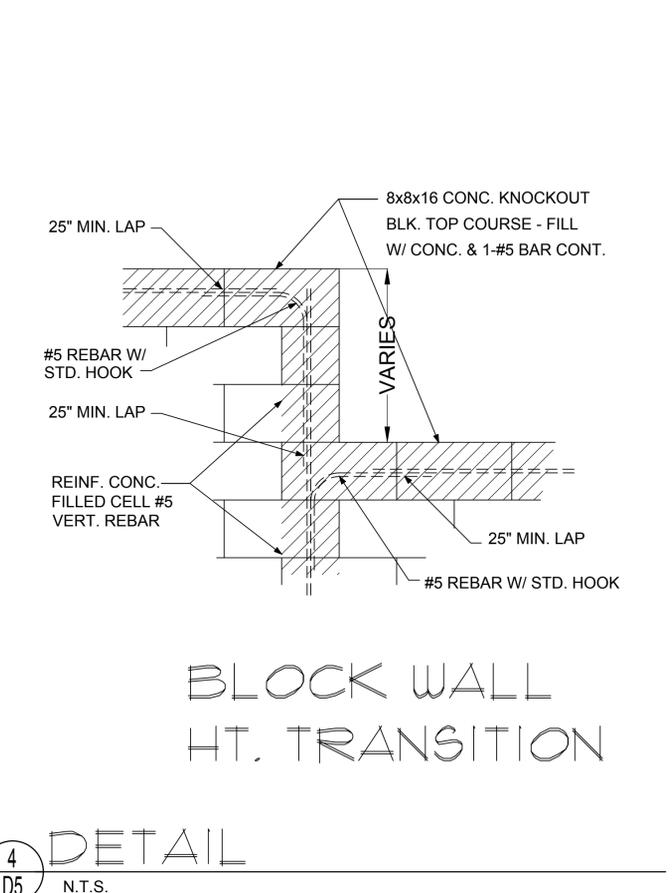
**1** **DETAIL**  
D5 N.T.S. (BEARING POST W/ UPLIFT)



**2** **DETAIL**  
D5 N.T.S.



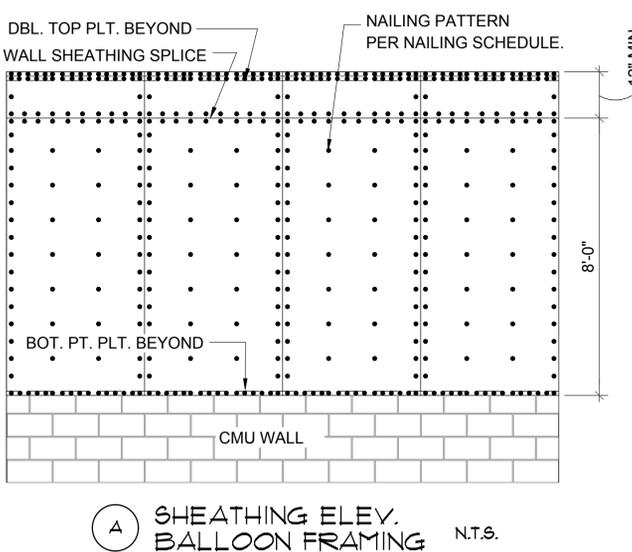
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D5 N.T.S.



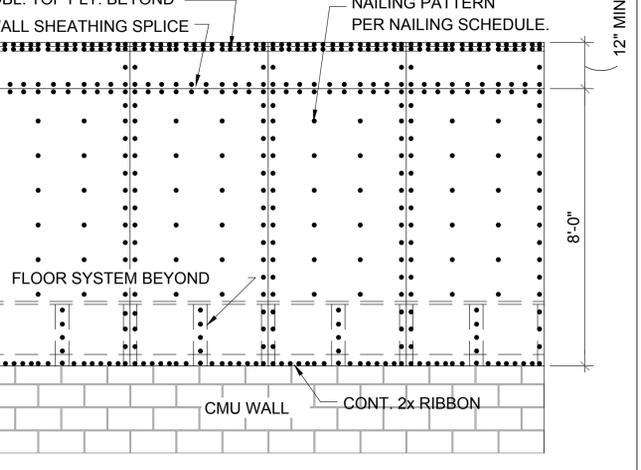
**4** **DETAIL**  
D5 N.T.S.

**NOTE:**  
1/2" PLYWOOD OR 7/16" O.S.B. TO BE USED AS UPLIFT RESISTANCE NO OTHER FASTENERS REQ'D. AT STUD/FLOOR TRUSS, EXCEPT AS NOTED ON PLANS IN TWO STORY FRAME APPLICATIONS. SHEATHING SHALL EXTEND MIN. 1'-0" W/O BREAK ABV. 2nd FLOOR BOTTOM PLT. TO T.O.M.

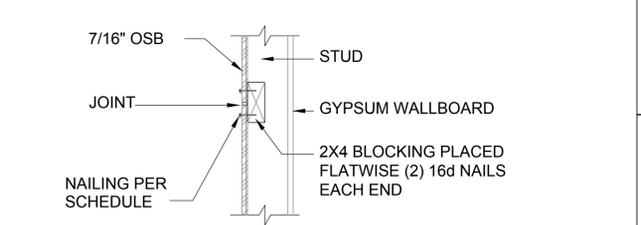
**NAILING SCHEDULE:**  
(2) ROWS @ 3" O.C. AT TOP AND (1) ROW AT BOTTOM OF WALL, 6" O.C. ALL OTHER EDGES AND 12" IN FIELD. BLOCKING SHALL BE PLACED AT ALL SHEATHING JOINTS.



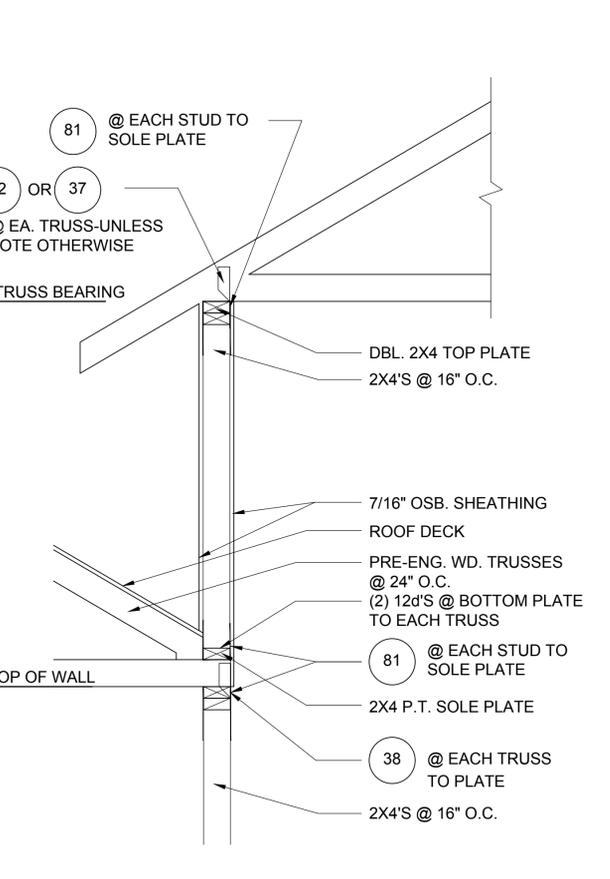
**7** **DETAIL**  
D5 N.T.S.



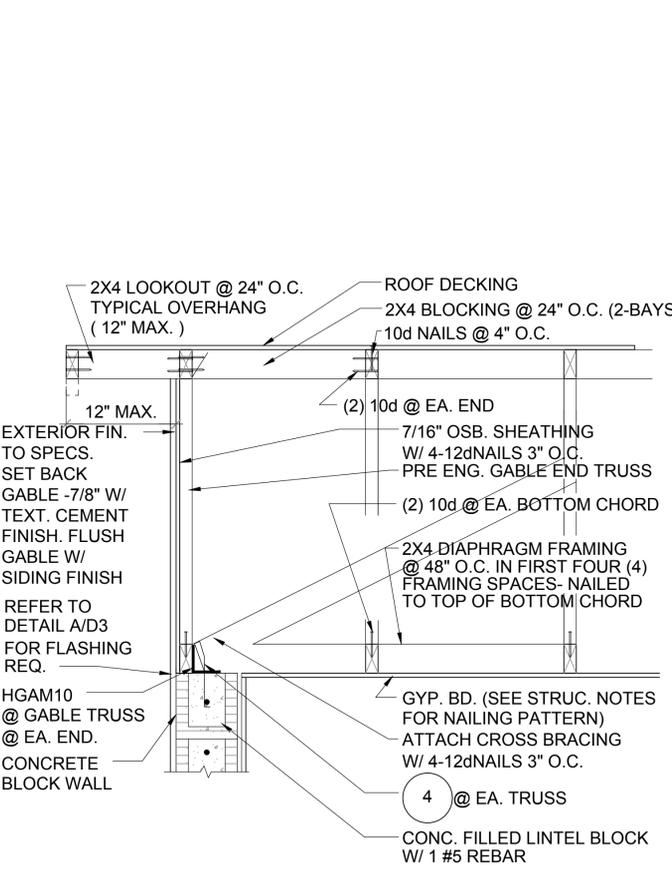
**B** **SHEATHING ELEV. 2-STORY FRAMING** N.T.S.



**C** **SHEATHING BLOCKING @ HORIZONTAL JOINTS** N.T.S.



**6** **DETAIL**  
D5 N.T.S.



**G-5** **DETAIL**  
D5 N.T.S.

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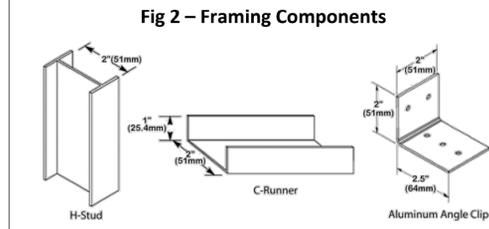
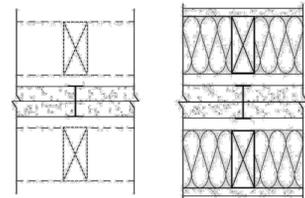
**STRUCTURAL DETAILS**

**PAIRED VILLAS (PACIFIC-PACIFIC, PACIFIC-GULF, GULF-GULF, PACIFIC/GULF/HARBOR SERIES)**

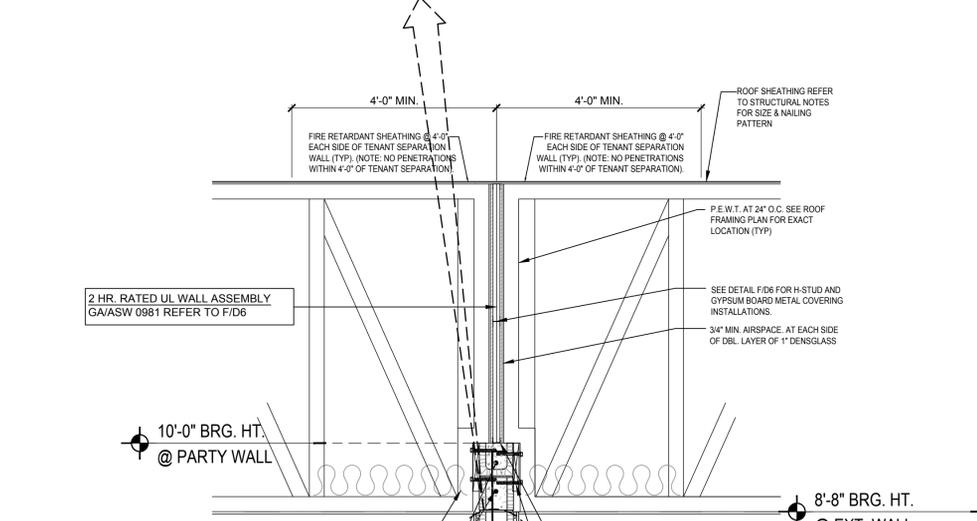
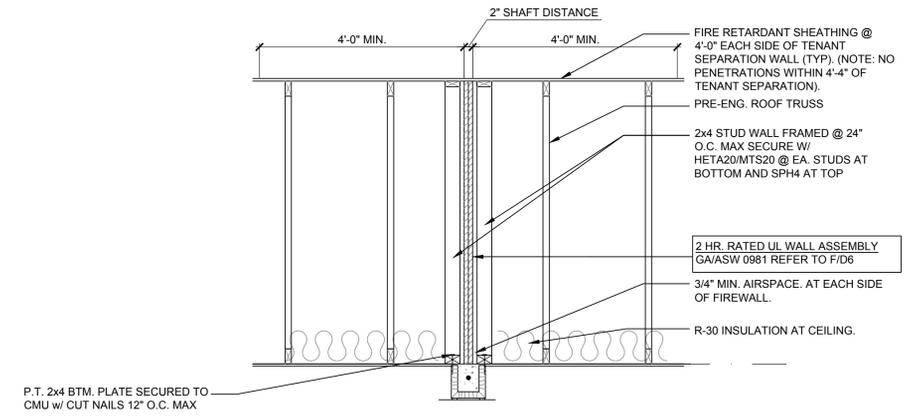
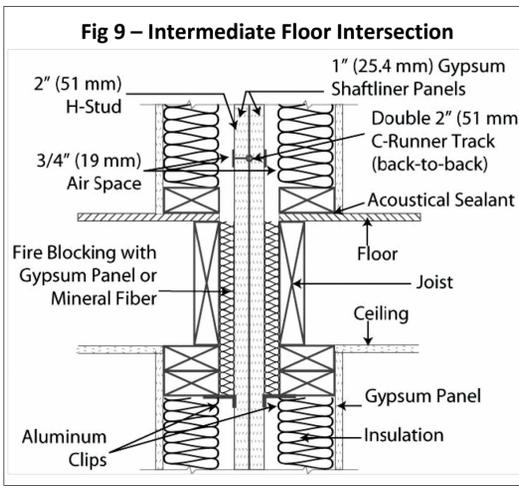
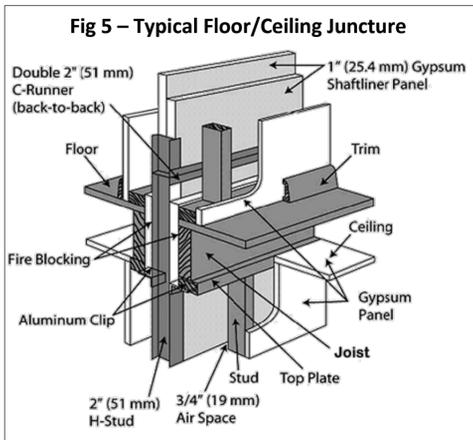
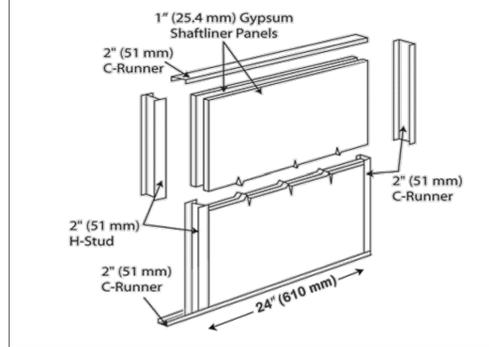
REVISIONS	
DELTA #	DATE

DATE: XX-XX-24  
 SCALE: AS NOTED  
 DRAWN: MR  
 SHEET: D5

GA FILE NO. ASW 0981	PROPRIETARY*	2 HOUR FIRE	60 to 64 STC SOUND
<b>GYPSUM WALLBOARD, STEEL H STUDS</b>			
<b>Fire Design:</b> Two layers 1" x 24" proprietary type X gypsum panels inserted between 2" floor and ceiling runners with 2" steel H studs between adjacent pairs of gypsum panels. A 3/4" minimum air space must be maintained between steel components and adjacent framing (indicated by dashed lines in sketch). As an alternate, the steel components may be covered with 6" wide battens or full sheets of 1/2" type X gypsum wallboard. Height limitation 66 feet. (NLB) Refer to the manufacturer for the thermal protection of the framing.			
<b>Sound Design:</b> Sound tested with 2 x 4 stud wall faced with 1/2" regular gypsum wallboard each side of assembly and 3-1/2" glass fiber in stud space on both sides.			
<b>PROPRIETARY GYPSUM PANEL PRODUCTS</b>			
National Gypsum Company ..... 1" Gold Bond® Brand eXP® FIRE SHIELD® Shaftliner			
Thickness:	3-1/2" (Fire)	11-3/4" (Sound)	
Approx. Weight:	9 psf (Fire and Sound)		
Fire Test:	UL R3501, 92NK28896, 6-7-93, UL Design U347; WHI 694-200.6, 10-21 & 24-85		
Sound Test:	RAL TL05-199, 11-17-05		



**Fig 3 - Primary Components of Gypsum Area Separation Firewall (Aluminum Clips Not Shown)**



**Gold Bond® eXP® Shaftliner**

TECHNICAL DATA	
<b>Physical Properties</b>	eXP Shaftliner
Thickness, Nominal	1" (25.4 mm)
Width, Nominal	2' (610 mm)
Length, Standard	8' - 12' (2,438 mm - 3,658 mm)
Weight, Nominal	3.75 lbs./sq. ft. (18.31 kg/m <sup>2</sup> )
Edges	Double Beveled
Flexural Strength, Perpendicular	≥ 230 lbf. (1,023 N)
Flexural Strength, Parallel	≥ 80 lbf. (356 N)
Humidified Deflection	N/A
Nail Pull Resistance	≥ 80 lbf. (356 N)
Hardness - Core, Edges and Ends	≥ 15 lbf. (67 N)
Thermal Resistance	R = .65
Water Absorption (% of Weight)	≤ 5%
Linear Expansion with Change Moisture	6.25 x 10 <sup>-4</sup> in./in./%RH
Coefficient of Thermal Expansion	9.26 x 10 <sup>-4</sup> in./in./°F
Mold Resistance, ASTM D3273	Score of 10
Product Standard Compliance	ASTM C1658
<b>Fire-Resistance Characteristics</b>	
Core Type	Type X
UL Type Designation	FSW-7
Combustibility	Non-combustible Core
Surface Burning Characteristics	Class A
Flame Spread	0
Smoke Development	0
<b>Applicable Standards and References</b>	
ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products	
ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	
ASTM C840 Standard Specification for Application and Finishing of Gypsum Board	
ASTM C1658 Standard Specification for Glass Mat Gypsum Panels	
ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber	
ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials	
ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials	
ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials	
ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	
Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products	
Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	
Gold Bond Building Products, LLC Manufacturer Standards, NGC Construction Guide	
1.	ASTM C1658, tested in accordance with ASTM C473.
2.	Tested in accordance with ASTM E136.
3.	Tested in accordance with ASTM E84.
4.	Please contact your local sales representative for all non-standard lengths and widths. Minimum order requirements may apply.
5.	Tested in accordance with ASTM C518.
6.	Tested in accordance with ASTM D3273 and rated in accordance with ASTM D3274.

**Design No. U905**  
November 09, 2008

**Bearing Wall Rating — 2 HR.**  
**Nonbearing Wall Rating — 2 HR.**

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 BXUV or BXUVZ

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

- Concrete Blocks** — Various designs, Classification D-2 (2 hr). See Concrete Blocks category for list of acceptable manufacturers.
- Mortar** — Blocks laid in full bed of mortar, min. 3/8 in. thick, of not less than 3-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime by cement volume. Vertical joints staggered.
- Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).
- Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellent vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.
- Foamed Plastic** — (Optional Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

**ATLAS ROOFING CORP.** — EnergyShield Pro Wall Insulation, EnergyShield Pro 2 Wall Insulation, EnergyShield COF Pro and EnergyShield Ply Pro

**CARLISLE COATINGS & WATERPROOFING INC.** — Type R2 - SHEATH

**DUPONT DE NEMOURS, INC.** — Types: Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax Exterior Insulation, Thermax SARKOR C Exterior Insulation, Thermax Plus Line Panel, Thermax Heavy Duty Plus (HDP), TUFF-8™ Insulation, Thermax Butler Styral Insulation Board and Thermax Morton Heavy Duty Insulation Board

**FIRESTONE BUILDING PRODUCTS CO. L.L.C.** — "Tweyer"™ C1 Foil Exterior Wall Insulation™ and "Tweyer"™ C1 Glass Exterior Wall Insulation™

**HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC** — Types "Xo" Class A1, "Xo" Class A2, "Xo" 28"

**RMAX, A BUSINESS UNIT OF SISA CORPORATION** — Types "TDX 600F", "ECOMAX® FC", "TDX 6510", "ECOMAX® 4 FR White", "ECOMAX®", "ECOMAX® IR Air Barrier", "Thermashield-XP", "Thermashield™", "Thermashield™ 3", "Duroshield™ 3"

**JOHNS MANNVILLE** — Type "AP" Foil faced Foam Sheathing

**SA Building Units** — As an alternate to Items 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, min. 48 by 48 or 96 in.

**HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC** — "Xo" N8", "Xo" N9"

**RMAX, A BUSINESS UNIT OF SISA CORPORATION** — "Thermashield-5F", "ECOMAX®", "Thermabase CF", "ECOMAX® IR Ply", "ECOMAX® Ply"

\* 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 2008-11-09

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**(2) HR Partition Fire Wall**  
SCALE 3/4" = 1'-0"

F 2HR. EXT. FIREWALL ASSEMBLY GA/ASW 0981-22<sup>ND</sup> ED. GA-600-2018

DESIGN NO. U905

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PACIFIC-PACIFIC/PACIFIC-GULF, GULF-GULF  
PACIFIC/GULF/  
HARBOR SERIES

**STRUCTURAL DETAILS Square HOMES**

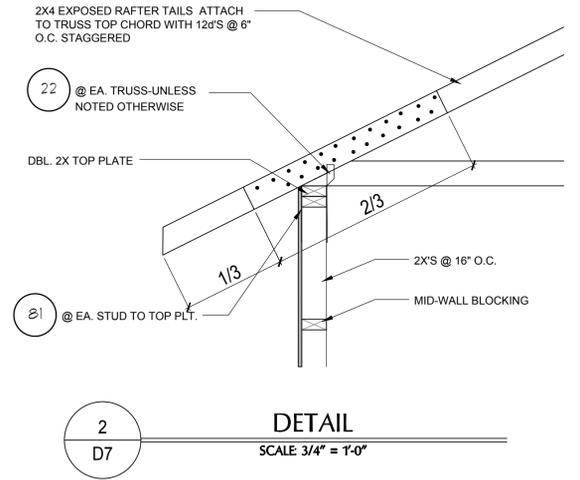
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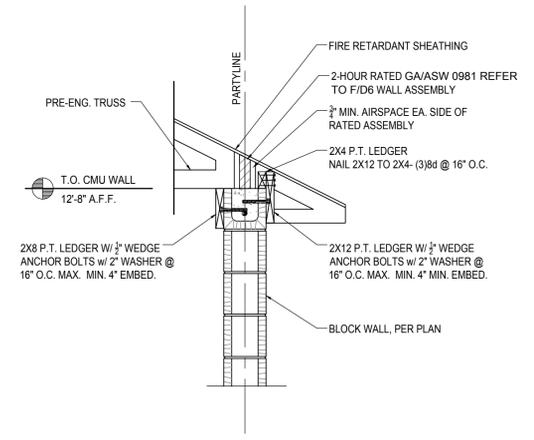
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SHEET: D6

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Orlando, Florida 32811  
Phone: (407) 529 - 3000



2  
D7  
DETAIL  
SCALE 3/4" = 1'-0"



1  
D7  
(2) HR Partition Fire Wall @ Entry  
SCALE 3/4" = 1'-0"

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PAIRED VILLAS  
 (PACIFIC-PACIFIC, PACIFIC-GULF, GULF-GULF)  
 PACIFIC/GULF/  
 HARBOR SERIES

**Park Square HOMES**  
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