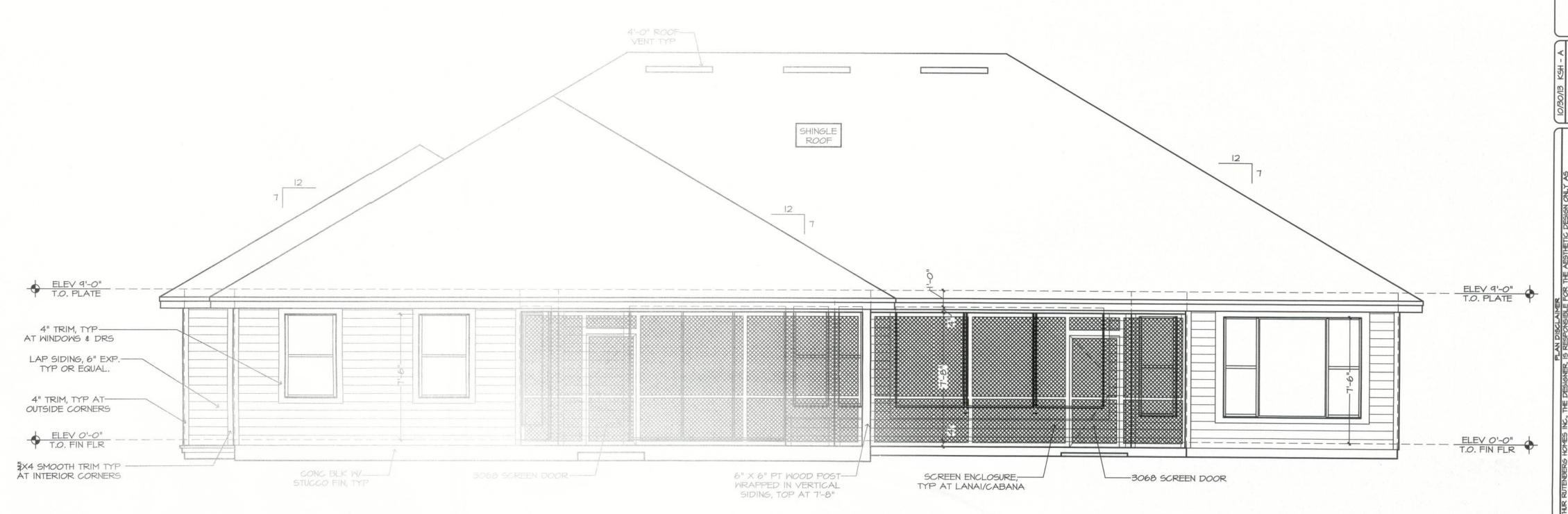


GENERAL NOTES:

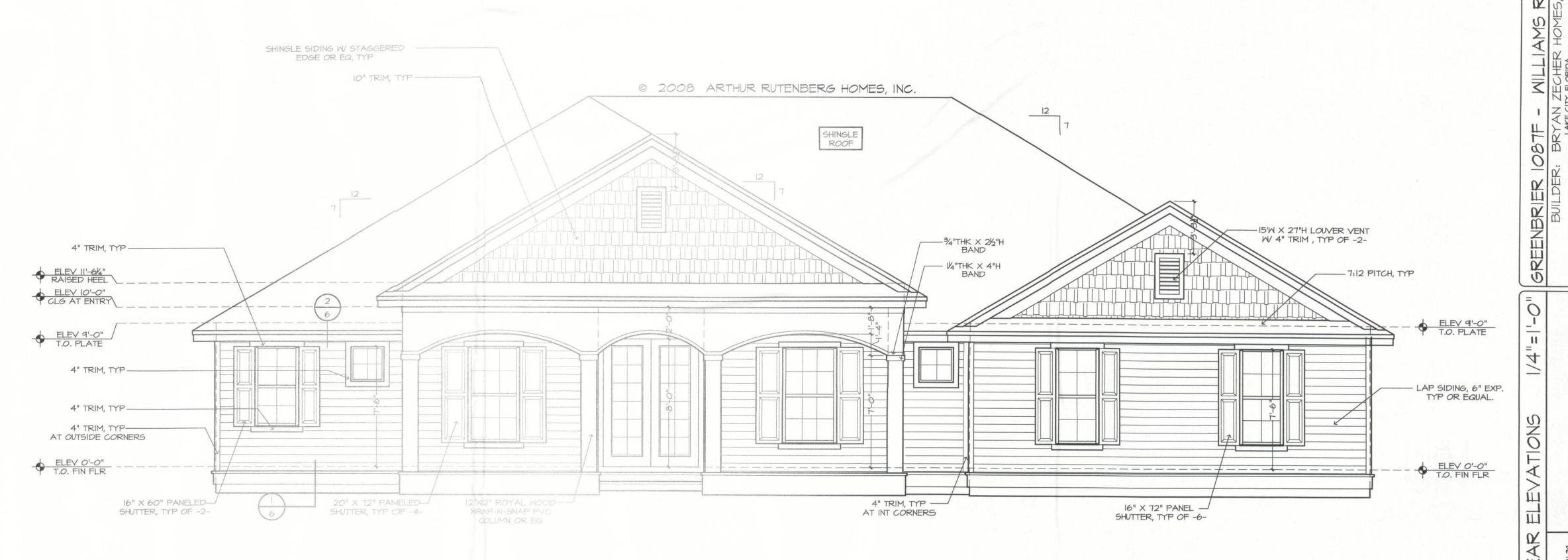
- FLAT SOFFIT AT PERIMETER OF HOUSE UNLESS NOTED OTHERWISE.
 VERIFY ALL WDW & DR ROUGH OPINGS W
- LOCATE ALL PLUMBING STACKS BIEYOND THE FRONT ELEV ROOF RIDGES, IF ALLOWABLE
- PER CODE. · ROOF VENTS SHOWN FOR LOCATION PURPOSE
- ONLY
 NUMBER OF ROOF VENTS TO BE DIETERMINED
 BY BUILDER

FRAMING PLAN DISCLAIMER

THE FRAMING PLANS REPRESENTED IN THESE DRAWINGS ARE INTENDED TO ESTABLISH PROPOSED FRAMING MEMBER LOCATIONS, FRAMING MEMBER DEPTH, POTENTIAL BEARING LOCATIONS AND ELEVATIONS, AND IS IN NO WAY INTENDED TO BE INTERPRETED AS STRUCTURAL ENGINEERED DRAWINGS, THE CONTRACTOR (BUILDER) SHALL ENSURE THAT THE STRUCTURE CONFORMS TO THOSE STANDARDS IN ALL RESPECTS INCLUDING STRENGTH, STRESSES, STRAINS, LOADS, CONNECTIONS, AND STABILITY. REFER TO PLAN DISCLAIMER LOCATED ON THIS SHEET FOR ADDITIONAL STIPULATIONS AND REQUIREMENTS.



REAR ELEVATION



FRONT ELEVATION



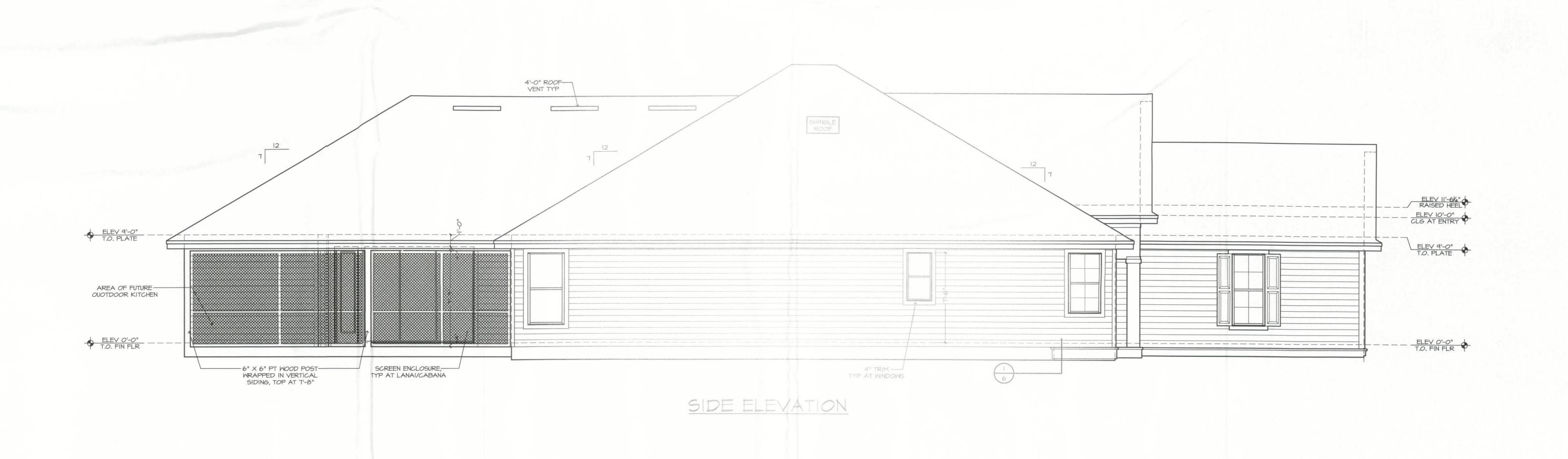
GREENBRIER 1097F - MILLIAMS RESIDENCE
BUILDER: BRYAN ZECHER HOMES, INC.
LAKE CITY, FLORIDA
AN INDEPENDENT, OWNED AND OPERATED FRANCHISE

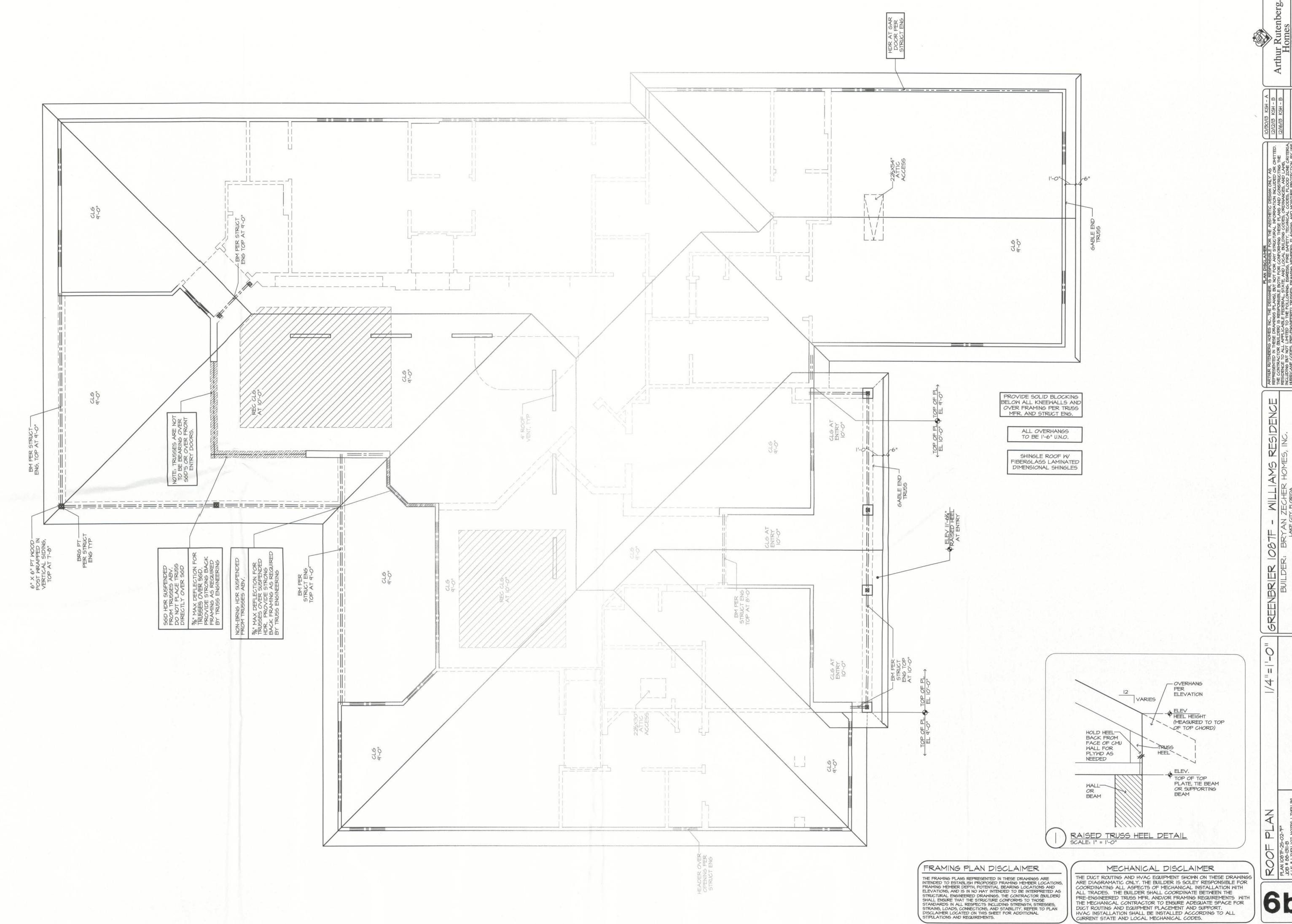
FRAMING PLAN DISCLAIMER

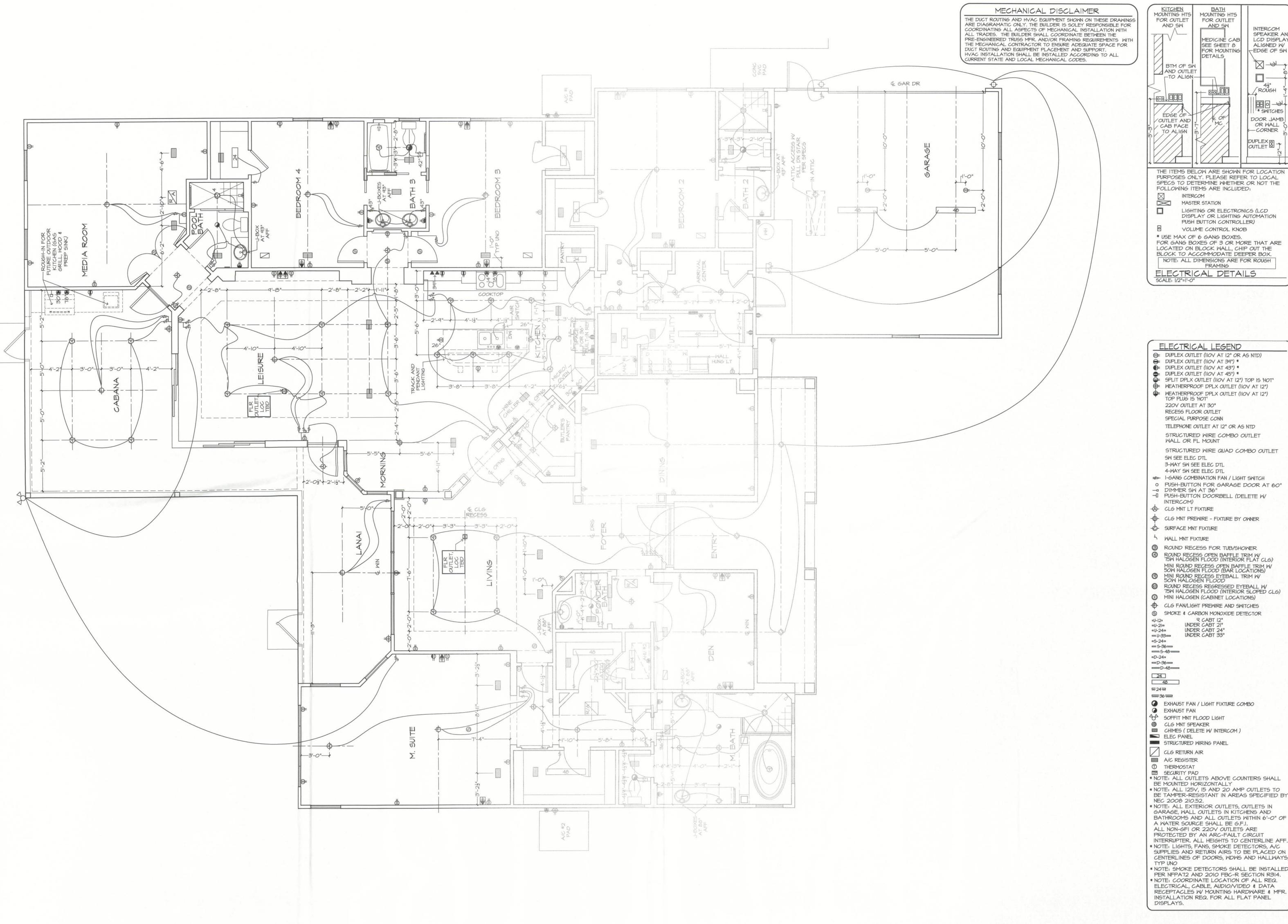
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GARAGE SIDE ELEVATION







BATH MOUNTING HTS FOR OUTLET INTERCOM SPEAKER AND LCD DISPLAY MEDICINË CAB SEE SHEET 8 ALIGNED W FOR MOUNTING -EDGE OF SW DETAILS ROUGH * SWITCHES DOOR JAMB OR WALL -CORNER OUTLET 0 THE ITEMS BELOW ARE SHOWN FOR LOCATION PURPOSES ONLY. PLEASE REFER TO LOCAL SPECS TO DETERMINE WHETHER OR NOT THE FOLLOWING ITEMS ARE INCLUDED: LIGHTING OR ELECTRONICS (LCD DISPLAY OR LIGHTING AUTOMATION

DUPLEX OUTLET (IIOV AT 12" OR AS NTD) DUPLEX OUTLET (IIOV AT 39") * DUPLEX OUTLET (IIOV AT 43") *

SPLIT DPLX OUTLET (IIOV AT 12") TOP IS 'HOT' WEATHERPROOF DPLX OUTLET (IIOV AT 12") WEATHERPROOF DPLX OUTLET (110V AT 12")
TOP PLUG IS 'HOT'

SPECIAL PURPOSE CONN TELEPHONE OUTLET AT 12" OR AS NTD

STRUCTURED WIRE COMBO OUTLET

STRUCTURED WIRE QUAD COMBO OUTLET 3-WAY SW SEE ELEC DTL

- I-GANG COMBINATION FAN / LIGHT SWITCH O PUSH-BUTTON FOR GARAGE DOOR AT 60" - PUSH-BUTTON DOORBELL (DELETE W

-CLG MNT PREWIRE - FIXTURE BY OWNER

3 ROUND RECESS FOR TUB/SHOWER

ROUND RECESS OPEN BAFFLE TRIM W/ 75W HALOGEN FLOOD (INTERIOR FLAT CLG) MINI ROUND RECESS OPEN BAFFLE TRIM W 50W HALOGEN FLOOD (BAR LOCATIONS)

ROUND RECESS REGRESSED EYEBALL W 75W HALOGEN FLOOD (INTERIOR SLOPED CLG)

MINI HALOGEN (CABINET LOCATIONS)

CLG FAWLIGHT PREWIRE AND SWITCHES S SMOKE & CARBON MONOXIDE DETECTOR

UNDER CABT 24" UNDER CABT 33"

EXHAUST FAN / LIGHT FIXTURE COMBO

CHIMES (DELETE W/ INTERCOM)

* NOTE: ALL OUTLETS ABOVE COUNTERS SHALL BE MOUNTED HORIZONTALLY * NOTE: ALL 125V, 15 AND 20 AMP OUTLETS TO

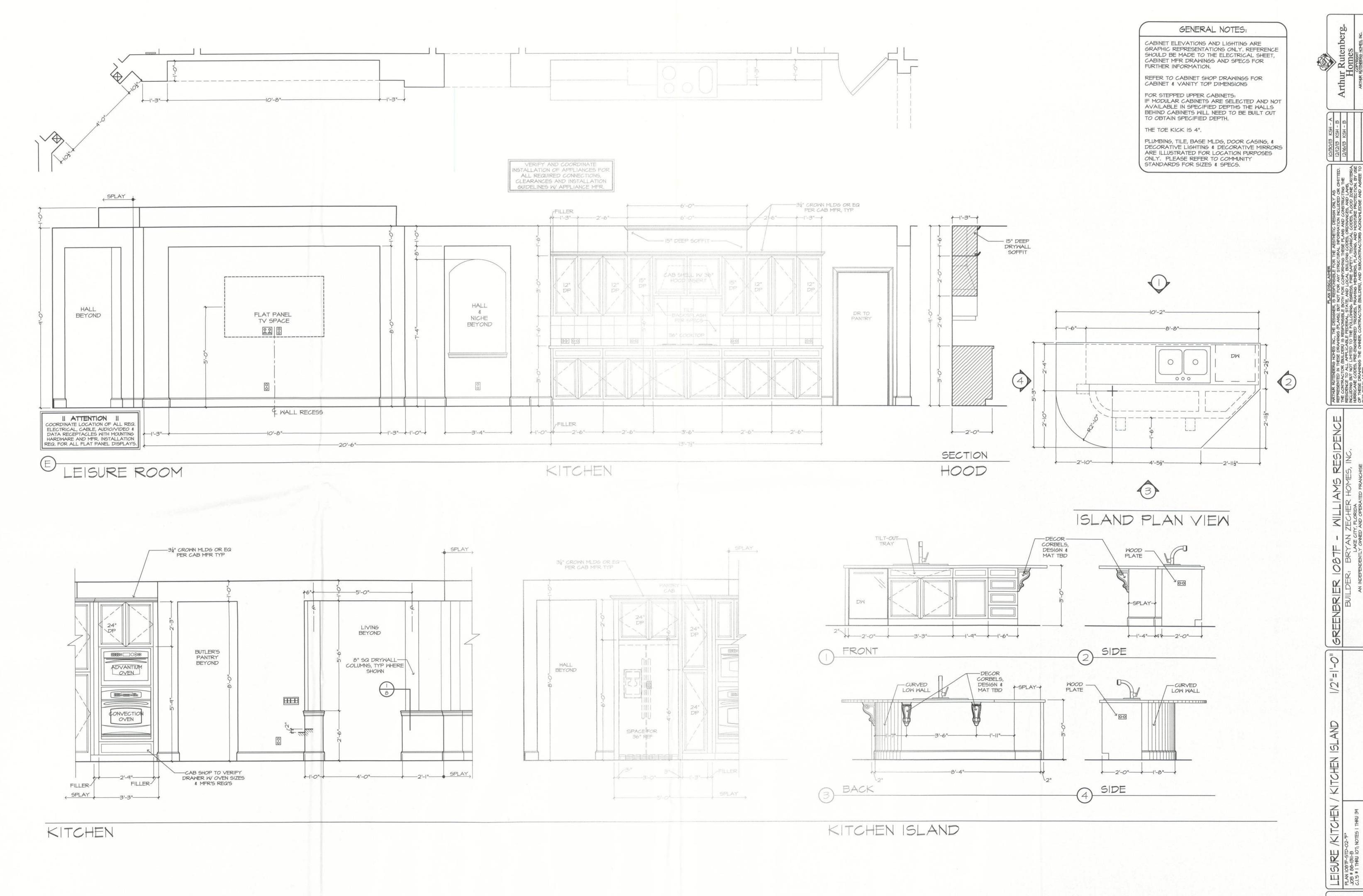
BE TAMPER-RESISTANT IN AREAS SPECIFIED BY * NOTE: ALL EXTERIOR OUTLETS, OUTLETS IN GARAGE, WALL OUTLETS IN KITCHENS AND

A WATER SOURCE SHALL BE G.F.I. ALL NON-GFI OR 220V OUTLETS ARE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER, ALL HEIGHTS TO CENTERLINE AFF. * NOTE: LIGHTS, FANS, SMOKE DETECTORS, A/C SUPPLIES AND RETURN AIRS TO BE PLACED ON CENTERLINES OF DOORS, WDWS AND HALLWAYS,

* NOTE: SMOKE DETECTORS SHALL BE INSTALLED PER NFPA72 AND 2010 FBC-R SECTION R314. * NOTE: COORDINATE LOCATION OF ALL REQ. ELECTRICAL, CABLE, AUDIO/VIDEO & DATA RECEPTACLES W MOUNTING HARDWARE & MFR. INSTALLATION REQ. FOR ALL FLAT PANEL

ARIA FEST ARIA F





8.1

GENERAL NOTES:

GRAPHIC REPRESENTATIONS ONLY. REFERENCE SHOULD BE MADE TO THE ELECTRICAL SHEET,

IF MODULAR CABINETS ARE SELECTED AND NOT

PLUMBING, TILE, BASE MLDG, DOOR CASING, & DECORATIVE LIGHTING & DECORATIVE MIRRORS ARE ILLUSTRATED FOR LOCATION PURPOSES

NOTE: ALL DIMENSIONS ARE FOR ROUGH FRAMING

MEDICINE CABINET

TYP MOUNTING DETAILS

SCALE: 1/2" = 1'-0"

SEE SHEET 7 FOR ELEC

MOUNTING

AND OUTLET TO ALIGN

OUTLET AND CAB FACE TO ALIGN

- & OF MC

AND CAB BASE

ONLY. PLEASE REFER TO COMMUNITY STANDARDS FOR SIZES & SPECS.

AVAILABLE IN SPECIFIED DEPTHS THE WALLS
BEHIND CABINETS WILL NEED TO BE BUILT OUT
TO OBTAIN SPECIFIED DEPTH.

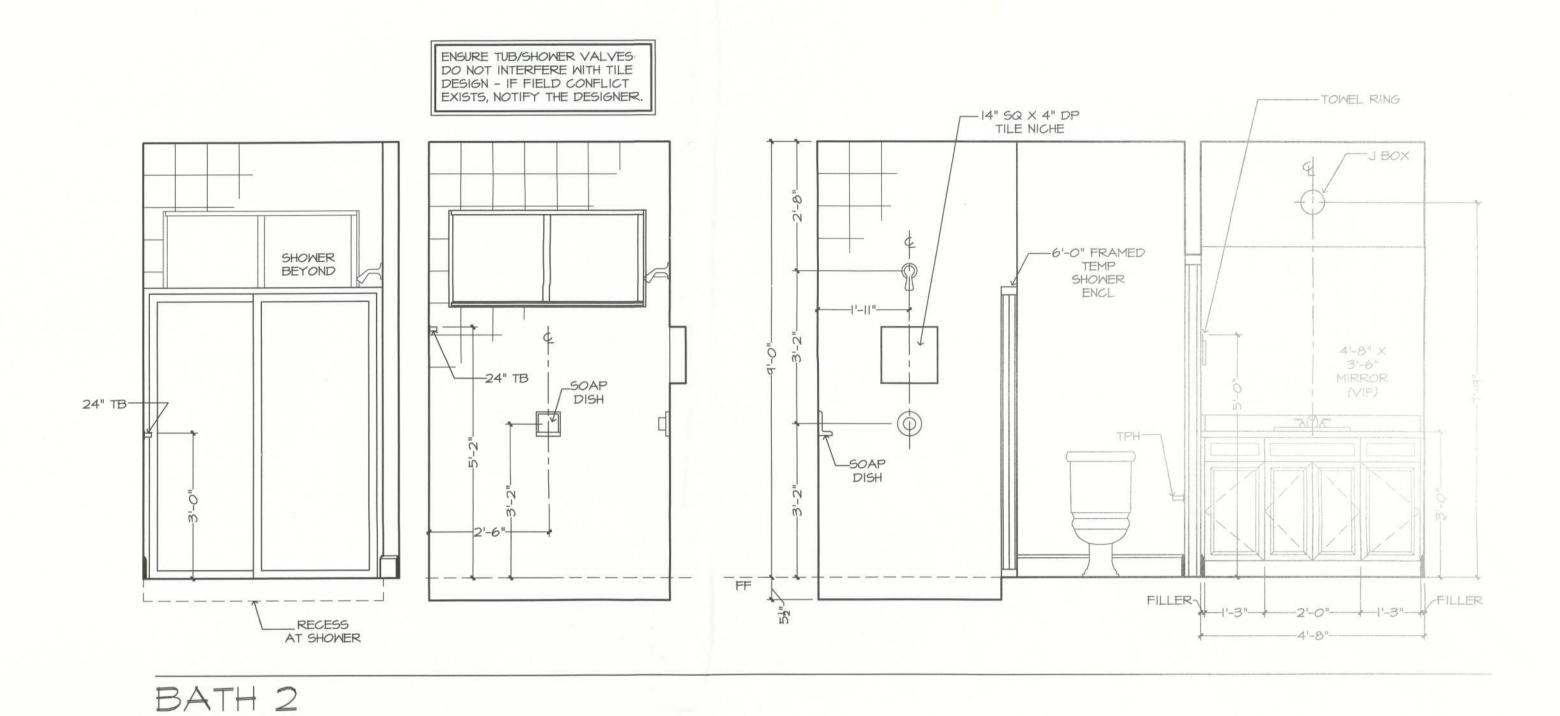
CABINET ELEVATIONS AND LIGHTING ARE

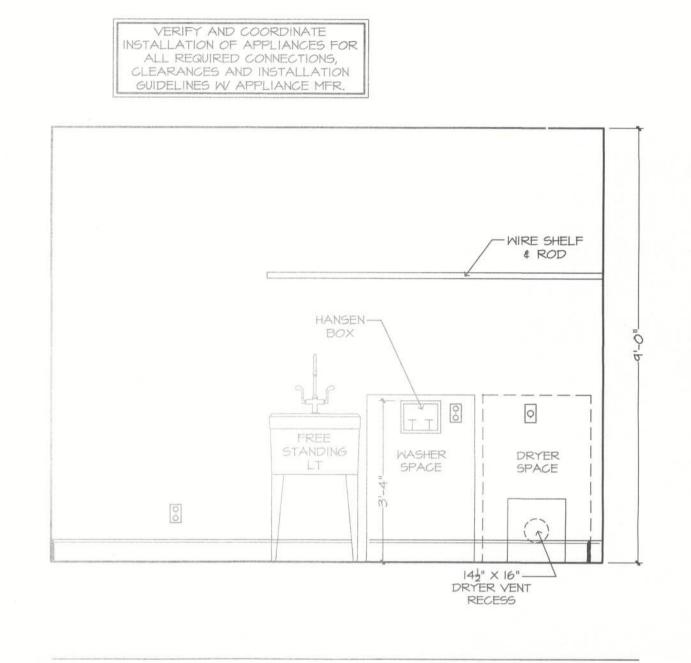
CABINET MFR DRAWINGS AND SPECS FOR FURTHER INFORMATION.

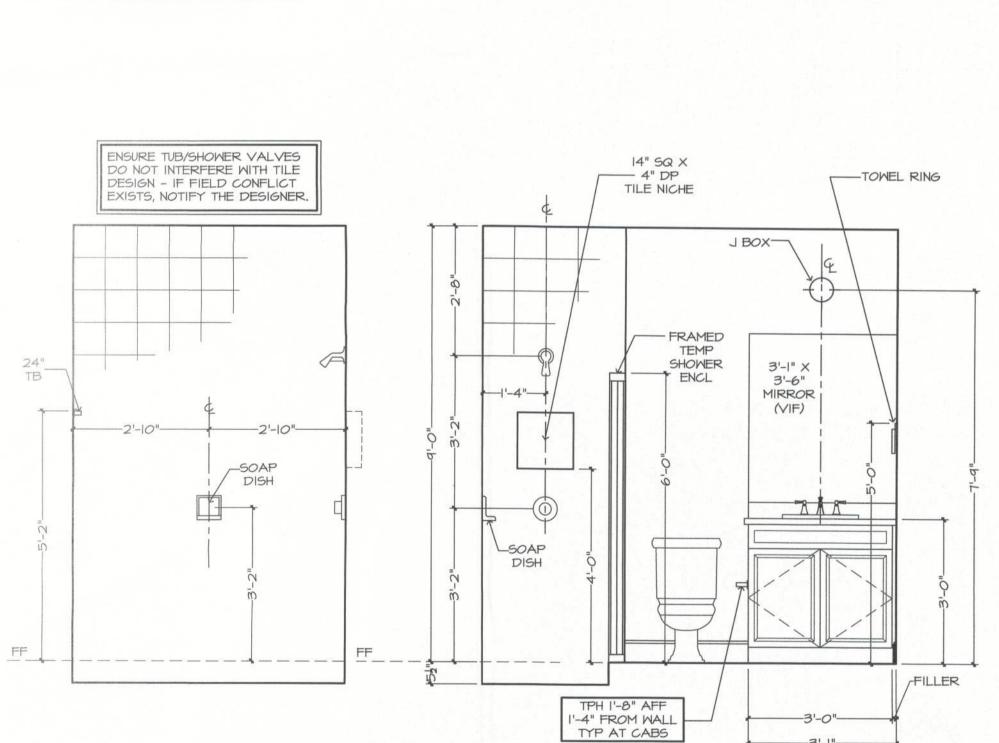
REFER TO CABINET SHOP DRAWINGS FOR CABINET & VANITY TOP DIMENSIONS

FOR STEPPED UPPER CABINETS:

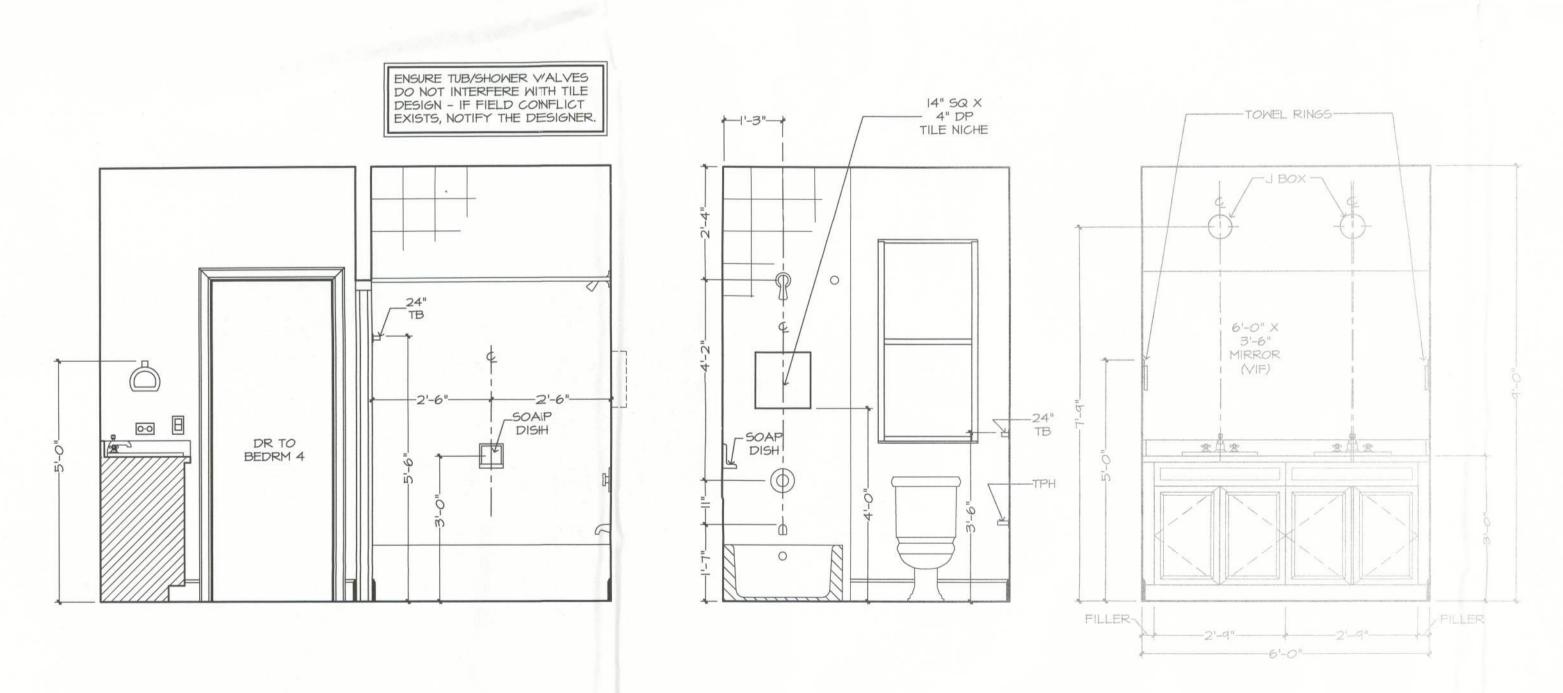
THE TOE KICK IS 4".







POOL BATH



BATH 3

8.2

1. CONCURRENTLY LOADED LIVE LOAD MAY BE REDUCED PER

WOOD I JOISTS...

TL MAX 3/4"

TL MAX 1/3"

LL / 480

TL / 240

TABLE 1: COMPONENT AND **CLADDING DESIGN PRESSURES**

EFFECTIVE	-1	ZONE DES	SIGNATION		
WIND AREA	IZ - Interior	IZ - Interior Zone (psf)		EZ - End Zone (psf	
0 - 20 ft ²	+15.54	-16.86	+15.54	-20.81	
21 - 50 ft ²	+14.79	-16.11	+14.79	-19.31	
51 - 100 ft ²	+13.90	-15.21	+13.90	-17.52	
101 - 200 ft ²	+13.21	-14.52	+13.21	-16.14	
VINYL SOFFIT N	MAX PRESSUR	E (psf)	+14.84	-19.41	
GARAGE DO	OR PRESSUR	E	SEE FRAM	IING PLA	

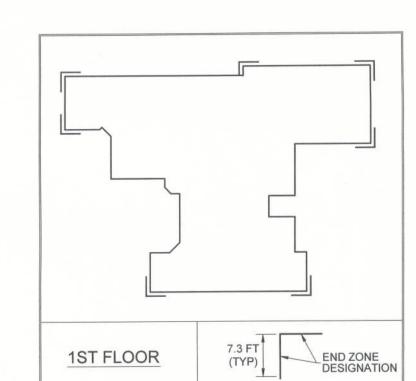


TABLE 2: WOOD STRUCTURAL PANEL SHEATHING REQUIREMENTS

OTES 3,	4			
RIOR	ALL WALLS	OSB OR PLYWOOD PANEL EDGES REQUIRED TO LAP BOTTOM PLATE 1½" AND TOP MEMBER OF TOP PLATE. EDGE NAILING SHALL HAVE ¾" EDGE DISTANCE FROM EDGE OF PANEL. MIN ¼6 " 24/16 SPAN RATED OSB OR PLYWOOD INSTALLED W/ 8d COMMON: 3" O.C. AT PANEL EDGES, 6" O.C. IN THE FIELD.		
AL EXTERIOR SHEATHING	FLEXIBLE VENEER & BRICK VENEER (NOTE 8)			
TYPICAL WALL SH	BRITTLE VENEER (EXCLUDING BRICK VENEER) (NOTE 6)	MIN $^{15}\!\!/_{32}$ " 32/16 SPAN RATED OSB OR PLYWOOD INSTALLED VERTICALLY OR ($^{7}\!\!/_{16}$ " 24/16 INSTALLED HORIZONTALLY) W/ 8d COMMON: 3" O.C. AT PANEL EDGES, 12" O.C. IN THE FIELD. 2x4 BLOCKING IS REQUIRED AT UNSUPPORTED PANEL EDGES.		
ROOF DECK SHEATHING (NOTES 1,2)	TILE ROOF (NOTE 7)	MIN $^{15}\!\!/_{32}$ " 32/16 SPAN RATED PLYWOOD INSTALLED WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS W/ 8d RING SHANK NAILS: 4" O.C. AT PANEL EDGES AND 8" O.C. IN THE FIELD		
	SHINGLE: ROOF	MIN $\frac{7}{16}$ " 24/16 SPAN RATED OSB OR PLYWOOD INSTALLED WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS W/ 8d RING SHANK NAILS: 6" O.C. AT PANEL EDGES, 12" O.C. IN THE FIELD.		
FLOOR DECK SHEATHING: (NOTE 5)		$^{23}\!\!/_{\!32}$ " T&G OSB OR PLYWOOD W/ 10d COMMON: 6" O.C AT PANEL EDGES, 12" O.C. IN THE FIELD.		
PORCH CEILING BOARD SHEATHING:		MIN $\%$ " OSB OR PLYWOOD OR CDX INSTALLED PERPENDICULAR TO SUPPORTS W/ 8d COMMON: 3" O.C. AT PANEL EDGES, 12" O.C. IN THE FIELD.		
SHEARWALL (SW) SHEATHING: (NOTE 8)		MIN $\%$ 6" OSB OR PLYWOOD W/ 8d COMMON: 3" O.C. AT PANEL EDGES, 6" O.C. IN THE FIELD.		

1. FOR SHEATHING THICKNESS GREATER THAN 15/32" CATEGORY (32/16 SPAN RATING), USE 10d RING SHANK NAILS IN LIEU OF 8d RING

2. COMMON NAILS IN WAILL SHEATHING MAY BE SUBSTITUTED W/ 8d GALVANIZED BOX NAILS. 3. ZIP WALL SHEATHING IIS AN ACCEPTABLE ALTERNATE FOR APA RATED WOOD STRUCTURAL PANEL. 4. ALL WOOD STRUCTURAL PANEL SHALL CONFORM TO THE MOST CURRENT APPLICABLE SPECIFICATION AND SUPPLEMENTS OF

5. FASTENERS ARE MINIMUM REQUIRED FOR DIAP HRAGM DESIGN. FOR INCREASED FLOOR PERFORMANCE AND TO AVOID

SQUEEKING, 8d RING SHANK NAILS OR 8d SCREW NAILS ARE RECOMMENDED. 6. 15/20" 32/16 SPAN RATED OSB OR PLYWOOD WITH BLOCKED PANEL EDGES IS AN APA RECOMMENDATION PER TECHNICAL BULLETIN Q370 (STUCCO). SHOULD BUILDER SPECIFICATIONS ALLOW, MIN STRUCTURAL REQUIREMENTS ARE 1/16" 24/16 SPAN RATING INSTALLED HORIZONTALLY OR VERTICALLY PER FLEXIBLE VENEER WALL SPECIFICATIONS.

7. 15/2" PLYWOOD IS A WARRANTY LIMITATION COMMON TO TILE MANUFACTURER'S MINIMUM RECOMMENDATIONS. SHOULD WARRANTY AND INSTALLATION REQUIREMENTS ALLOW, 15/32" APA RATED OSB OR EQUAL MAY BE USED TO SUPPORT TILE ROOF. 8. WOOD STRUCTURAL P!ANEL MAY BE INSTALLED VERTICALLY OR HORIZONTALLY W/ UNBLOCKED HORIZONTAL PANEL EDGES PROVIDED THE REQUIREMENTS OF THE MIDWALL PANEL CONNECTION DETAIL ON SHEET ST-5 ARE MET, UNO. BLOCKED WALL

TABLE 3: MAXIMUM EXTERIOR WALL STUD SPACING (IN O.C.)

BEARING CONDITION		FLEXIBLE FINISH-L/120 WALL HEIGHT				
	& STUD TYPE	8 FT	9 FT	10 FT	11 FT	12 FT
>.	2x4 SPF STUD	16	16	16	12	### S
ONLY	2x4 NO.2 SPF	16	16	16	16	16
ROOF	(2)2x4 NO.2 SPF, 2x5 NO.2 SPF 2x6 SPF STUD, 2x6 NO.2 SPF	16	16	16	16	16
0	2x4 SPF STUD	16	12	-		-
ROOF ANI FLOOR	2x4 NO.2 SPF	16	16	12	12	77.
	(2)2x4 NO.2 SPF, 2x5 NO.2 SPF 2x6 SPF STUD, 2x6 NO.2 SPF	16	16	16	16	16

1. STUD SPACINGS ABOVIE ARE THE MAXIMUM REQUIRED ACCORDING TO STUD HEIGHT AND TYPE, UNLESS NOTED OTHERWISE

TABLE 5: FASTENERS IN

PRESERVATIVE

SODIUM BORATE (NOTE 1)

ALL OTHER PT

EMBEDMENT

4" / 8"

6" / 12"

4" / 4"

6" / 6"

ONE ALL THREAD CONINECTION (ATC) IS COMPOSED OF 36ksi ALL-TREAD THAT RUNS THE FULL VERTICAL HEIGHT OF THE WALL,

PENETRATING BOTH TIHE TOP AND BOTTOM PLATES, AND GROUTED WITH SIMPSON ACRYLIC-TIE ADHESIVE IN MASONRY OR

CONCRETE. THE ALL-TIHREAD MAY BE SPLICED WITH A COUPLER THREADED ONTO THE ALL-THREAD A MINIMUM DISTANCE OF 1/2" AT EACH END OF THE COUPLER. THE COUPLER SHALL BE RATED FOR ALLOWABLE TENSION OF 2,050 LB FOR 3/8" RODS (3,200

LB FOR ½" RODS). THE ALL-THREAD SHALL BE INSTALLED PLUM WITH THE MAXIMUM DEVIATION FROM VERTICAL OF 3/8"

2. WASHER AND NUT REQUIRED AT THE BOTTOM PLATE FOR ATC'S LOCATED IN EXTERIOR WALLS ADJACENT TO OPENINGS AND

CONTENT AND THE RELATED SHRINKAGE OF THE BUILDING MATERIALS WILL EFFECTIVELY ELIMINATE THE PRE-LOADING

COMPLETE, AND PRIOR TO INSTALLATION OF INSULATION, RE-TIGHTEN THE UPPER HEX NUTS TO 30 ft-lbs OF TORQUE. 4. IT IS THE RESPONSIBILITY OF THE BUILDING DEPARTMENT OR BUILDER TO VERIFY THE TIGHTNESS OF THE HEX NUT PRIOR TO

7. ALL QTB IN EXTERIOR WALLS MUST HAVE AN ADDITIONAL WALL STUD WITHIN 3" (THIS IS IN ADDITION TO STANDARD WALL

3. THE HEX NUT ABOVE THE TOP PLATE SHALL BE TIGHTENED TO APPROXIMATELY 30 ft-lbs OF TORQUE. CHANGES IN MOISTURE

CAUSED BY THE INITIALL TIGHTENING OF THE NUT. AFTER ALL ROUGH-INS OF THE MECHANICAL AND ELECTRICAL TRADES ARE

6. ATC OR QUICK TIES SHOWN ON FRAMING PLAN AT FIXED LOCATIONS ARE DESIGNATED BY SYMBOLS SHOWN ABOVE. REFER TO

FRAMING STUDS). EXCIEPTIONS: QTB WITHIN 3" OF DBL STUD, SUCH AS NEXT TO OPENINGS OR SHEATHING SPLICES WITH DBL

(INCLUDING ACQ & MCQ)

PRESSURE TREATED LUMBER

CONCRETE OVER VAPOR BARRIER ARE NOT DIRECTLY

TENSION MINIMUM EDGE

2 1/4"

CAPACITY DISTANCE

2,050 LB.

3,200 LB.

1,527 LB.

2,839 LB.

4,455 LB.

EXPOSED TO EARTH OR WEATHER AND HAVE BEEN PROVEN

TO BE NON-CORROSIVE TO CARBON STEEL FASTENERS.

FASTENER TYPE

FASTENERS REQUIRED.

COATED FINISH.

DIPPED GALVANIZED.

STANDARD CARBON STEEL

CONNECTORS MUST HAVE

Z-MAX, G120 OR TRIPLE ZINC

ALL FASTENERS MUST BE HOT

EPOXY OR

ADHESIVE

SIMPSON

ACRYLIC-TIE

SIMPSON

ACRYLIC-TIE

ADHESIVE

EPCON G5 HIGH

STRENGTH EPOXY

EPCON G5 HIGH

STRENGTH EPOXY

EPCON G5 HIGH

STRENGTH EPOXY

ADHESIVE

STAINLESS CONNECTORS AND

2. IF STUD SPACING IS NOT LISTED, STUD SIZE AND GRADE IS NOT APPLICABLE AT THAT WALL HEIGHT. 3. WALL DESIGNED AS UN-BLOCKED. NO BLOCKING IS REQUIRED AT HORIZONTAL WOOD STRUCTURAL PANEL EDGES. BLOCKING

AT HORIZONTAL PANEIL EDGES IS RECOMMENDED FOR STUCCO VENEER, SEE TABLE 2.

FIELD NAILING IS PERMITTED TO BE 12" O.C.

TABLE 4: NAIL SIZE LEGEND NOTES 1, 2, 3, 4

	DIAMETER	LENGTH
8d COMMON	0.131"	2-1/2"
8d RINGSHANK	0.113"	2-3/8"
10d x 1-1/2"	0.148"	1-1/2"
10d	0.131"	3"
10d COMMON	0.148"	3"
12d COMMON	0.148"	3-1/4"
16d SINKER	0.148"	3-1/4"
16d COMMON	0.162"	3-1/2"

1. INSTALL 10d NAILS UNLESS OTHERWISE SPECIFIED. 2. COMMON WIRE NAILS AND THREADED HARDENED STEEL NAILS 1. SILL PLATES W/ SODIUM BORATE TREATMENTS BEARING ON SHALL CONFORM TO TIHE NOMINAL SIZES SPECIFIED IN ASTM F1667. NOMINAL DIAMETER SIZES APPLY TO FASTENERS BEFORE APPLICATION OF PROTECTIVE COATING.

3. WHEN A BORED HOLE IIS REQUIRED TO PREVENT SPLITTING OF A WOOD DUE TO FASTIENER PENETRATION, THE BORED HOLE SHALL NOT EXCEED 755% OF THE NAIL OR SPIKE DIAMETER.

3/8" ATC (ALL THREAD CONNECTION)

1/2" ATC (ALL THREAD CONNECTION)

HICK WASSHER AT TOP PLATE

THICK WASHER AT TOP PLATE

ONE STORY

ONE STORY

HORIZONTAL PER FOO)T VERTICAL.

AT WALL ENDS WHICH TERMINATE AT CORNERS.

STUD, DOES NOT REQUIRE ADDITIONAL STUD.

DESCRIPTION

3/8" DIA ALIL THREAD ROD W/ 2" SQUARE x 1/8"

1/2" DIA ALIL THREAD ROD W/ 3" SQUARE x 1/8"

TWO STORYY | 21/4" x 3/16" WASHER @ TOP PLT

TWO STORY 3" x 3" x 3/6" WASHER @ TOP PLT

TWO STORYY 3" x 3" x 1/4" WASHER @ TOP PLT

QTG (QUICK TIE GREEN)

QTO (QUICK TIE ORANGE)

QTB (QUICK TIE BLUE) (NOTE 7)

3" WIRE ROPE - 3" STEEL STUD

1" WIRE ROPE - 1" STEEL STUD

5 WIRE ROPE - 5 STEEL STUD

5. REFER TO FRAMING NOTES THIS SHEET FOR EPOXY INSTALLATION SPECIFICATIONS.

TYPICAL WALL SECTION FOR ADDITIONAL REQUIRED ATC LOCATIONS.

4. THE NOMINAL DIAMETER AND LENGTH OF TYPICAL FASTENERS SPECIFIED FOR THIS PIROJECT ARE AS LISTED IN TABLE 4.

TABLE 6: UPLIFT ANCHORS

NOTES 1, 2, 3, 4, 5

SYMBOL

DTT2Z			
(NOTES 2,3)	(8) $\frac{1}{4}$ " x 1 $\frac{1}{2}$ " SDS SCREWS IN STUD $\frac{3}{8}$ " Ø x 4 $\frac{1}{2}$ " EMBED EPOXY OR SCREW ANCHOR	CS18	(9) 10d COMMON EACH END OF STRAP
HTT4 (NOTES 2,3)	(18) 0.162" x 2 $\frac{1}{2}$ " IN STUD/BEAM/TRUSS, $\frac{5}{8}$ " Ø x 6" EMBED ANCHOR IN CONCRETE (NOTE 1)	MTS12	(7) 10d x 1 ½" EACH END
HTT5 (NOTES 2,3)	(26) 0.162" x 2 $\frac{1}{2}$ " IN STUD/BEAM/TRUSS, $\frac{5}{8}$ " Ø x 6" EMBED ANCHOR IN CONCRETE (NOTE 1)	MSTA24/MS24	(9) 10d COMMON EACH END
HDQ8-SDS3	(20) SDS $\frac{1}{4}$ " x 3" SCREWS IN STUD GROUP $\frac{7}{8}$ " DIA.x12" EMBED ANCHOR IN CONCRETE	MSTA36/MS36	(13) 10d COMMON EACH END
STHD14	(38) 16d SINKERS INTO STUDS (WET EMBED)	HTS20	(11) 10d x 1 ½" IN TRUSS/RAFTER (11) 10d x 1 ½" IN STUD
LTT20B (NOTE 2)	(10) 10d x 1 $\frac{1}{2}$ " IN STUDS $\frac{1}{2}$ " x 6" EMBED EPOXY OR SCREW ANCHOR	H2.5T/HA8	(5) 8d x 1 ½" IN TRUSS (5) 8d x 1 ½" IN TOP PLATE
ABU44	(12) 16d COMMON & $\frac{5}{8}$ " x 7" DRILL & EPOXY	H8	(5) 10d x 1 ½" IN TRUSS (5) 10d x 1 ½" IN PLATE
ABU66	(12) 16d COMMON & $\frac{5}{8}$ " x 7" DRILL & EPOXY (12" EMBED AT GARAGE DOOR RETURNS)	TSP	(9) 10d x 1 ½" IN STUD (6) 10d x 1 ½" IN PLATE
HU48, HUC48, HU28-2, HUC28-2	(14) 16d COMMON IN HEADER (6) 10d COMMON IN BEAM	SPH4 / SPH6	(12) 10d x 1 ½" IN STUD
HU410, HUC410, HU210-2, HUC210-2	(18) 16d COMMON IN HEADER (10) 10d COMMON IN BEAM	DSP	(6) 10d COMMON IN TOP PLATE (8) 10d COMMON IN STUD/HEADER
HGA10KT	(4) SDS $\frac{1}{4}$ " x 1 $\frac{1}{2}$ " SCREWS IN TRUSS/RAFTER (4) SDS $\frac{1}{4}$ " x 3" SCREWS IN TOP PLATE	QGT (NOTE 2)	(18) 10d x 1½" IN TRUSS W/ QUICK TIE UPLIFT ANCHOR TO SLAB AS SPECIFIED ON PLAN
LGT3	(26) 16d SINKER IN WALL FRAMING (12) SDS ¼" x 2 ½" IN TRUSS	QGT2 (NOTE 2)	(30) 10d x 1½" IN TRUSS W/ QUICK TIE UPLIFT ANCHOR TO SLAB AS SPECIFIED ON PLAN

1. EPOXY ANCHOR EMBED IN CMU TO BE 12-INCHES. OPTIONAL SIMPSON 1/2"x12" TITEN HD IS AN ACCEPTABLE ALTERNATIVE ANCHOR IN ALL CASES EXCEPT GARAGE RETURN HOLDDOWNS.

2. REFER TO FRAMING NOTES THIS SHEET FOR ACRYLIC-TIE INSTALLATION SPECIFICATIONS. 3. QUICK-TIE SUBSTITUTION (INSTALLED W/ EPCON G5 HIGH STRENGTH EPOXY)

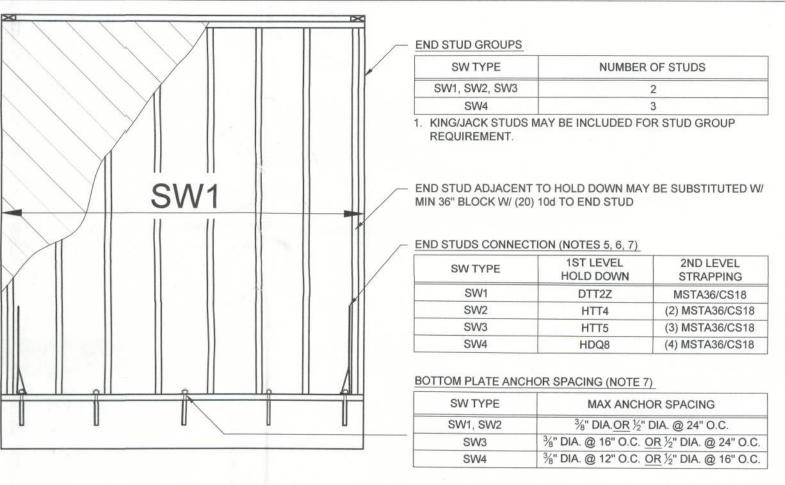
TABLE 7: METAL CONNECTOR SCHEDULE

QTO = HTT4 OR HTT5 (PROVIDED (2) STUDS INSTALLED EACH SIDE OF QTO)

4. PRODUCTS SELECTED USING SIMPSON 2011-2012 CATALOG AND QUICK TIE SPRING 2010 CATALOG. PRODUCTS MAY BE SUBSTITUTED WITH EQUAL OR BETTER APPROVED ALTERNATES.REFER TO SIMPSON CATALOG FOR ADDITIONAL INSTALLATION INSTRUCTIONS. 5. IF CONNECTOR IS NOT LISTED ABOVE, CONTACT FOR SPECIFIC FASTENING REQUIREMENTS.

6. POSITIVE PLACEMENT GUN NAILS, 2 ½" LONG, WITH EQUIVALENT DIAMETER TO COMMON NAILS SPECIFIED ABOVE MAY BE USED FOR ABU POST BASE ANCHORS, CS16, AND MSTA FLAT STRAPS.

TABLE 8: SPECIFIED SHEARWALLS



THE EXTERIOR WALLS ARE FULLY SHEATHED WITH OSB OR PLYWOOD. ALL TYPICAL EXTERIOR WALLS ARE SHEAR WALLS AND ARE PART OF THE BUILDING'S MAIN WIND FORCE RESISTING SYSTEM. ADDITIONAL FRAMING AND HOLD-DOWNS ARE REQUIRED ONLY AS NOTED ON THE PLAN OR IF WALL SEGMENT IS IDENTIFIED AS SW1, SW2, SW3, SW4, OR SWB ON THE PLAN. 2. ALL SW SHEATHING TO BE FASTENED TO FRAMING PER TABLE 2: WOOD STRUCTURAL PANEL SHEATHING REQUIREMENTS

3. SHEARWALLS INDICATED ON PLAN WITH WINDOW AND DOOR OPENINGS WITHIN THE SHEARWALL REQUIRE STUD GROUP AND HOLD DOWNS ONLY AT EXTREME END OF DESIGNATED WALL OR PORTION THEREOF AS NOTED ON STRUCTURAL PLAN. 4. SWB - SEE "SWB-SPECIIAL SHEAR WALL DETAIL", LOCATED ON THE DETAIL SHEET.

5. 2ND LEVEL SW'S - END STUDS OF SHEAR WALL TO BE ANCHORED PER ONE OF THE FOLLOWING: • HOLD DOWN WITH FULL-HEIGHT 1/2" Ø ROD TO SLAB. END STUDS TO BE CONTINOUSLY SUPPORTED THROUGH FLOOR SYSTEM TO SLAB. 2ND LEVEL END) STUDS TO MATCHING 1ST LEVEL STUD GROUP BELOW W/ STRAPPING AS NOTED. 1ST LEVEL STUD GROUP TO SLAB WITH HOLD

6. DESIGNATED SW'S WIT'H A COMMON CORNER REQUIRE (1) HOLDDOWN, WHICH IS TO BE LARGEST OF THE TWO HOLDOWNS SPECIFIED, UNO. 7. ACCEPTABLE BOTTOM PLATE ANCHORS INCLUDE ATC, TITEN HD, HURRI-BOLT, ALL THREAD ROD. SCREW IN ANCHORS ALLOWED IN MONOLITHIC FOOTINGS ONLY. EPOXY ANCHORS MUST BE USED IN STEMWALL FOUNDATIONS.

CONCRETE AND FOUNDATION NOTES

CONCRETE COMPRESSIVE STRENGTH FOR FOOTINGS= 2,500 PSI AT 28 DAYS (UNO).

CONCRETE COMPRESSIVE STRENGTH FOR SLAB = 2,500 PSI AT 28 DAYS (UNO).

ALL REINFORCING STIEEL #3 AND BIGGER SHALL BE ASTM A615 GRADE 40 DEFORMED BARS (UNO). ALL REINFORCING STIEEL SHALL HAVE 90 DEGREE BEND AT CORNERS WITH A 24" LAP.

FIBERMESH IS AN ACCEPTABLE ALTERNATIVE AND SHALL NOT REQUIRE WWF. MASONRY STEMWALL. AND MONOLITHIC FOOTING ARE INTERCHANGEABLE. EARTH AND EARTH FILL SUPPORTING SLABS ON GRADE IS ASSUMED TO HAVE A MINIMUM BEARING CAPACITY OF 2,000 psf in ACCORDANCE WITH

FRC 2010 TABLE R401..4.1, AND SHALL BE FREE OF ORGANIC MATERIAL AND COHESIVE SOILS. COMPACT THE FILL IN 12" LIFTS TO AT LEAST 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY. IT IS THE OWNER'S OR CONTRACTOR'S RESPONSIBILITY TO CONFIRM THESE ASSUMPTIONS. 8. CONCRETE FLOOR SLABS ON GRADE SHALL BE INSTALLED OVER A MINIMUM 6 MIL POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED 6" AND SEALED OVER CLEAN, COMPACTED EARTH OR FILL WITH APPROVED CHEMICAL SOIL TREATMENT FOR PREVENTION OF SUBTERRANEAN TERMITES. 9. STEMWALLS OVER 4 COURSES TALL REQUIRE SPECIAL ATTENTION TO BRACING DURING CONSTRUCTION. CONTACT ENGINEER OF RECORD IF

10. TO CONTROL CRACKING, CUT 1" SAWCUTS IN THE SLAB IN A 15'x15' GRID WITHIN 12 HOURS OF CONCRETE PLACEMENT. CONTACT FOR FOR ALTERNATIVE METHOIDS.

11. DO NOT SCALE FOOTIING DIMENSIONS AND LOCATIONS FROM THE FOUNDATION PLAN. DO NOT DETERMINE FOOTING LOCATION FROM ARCHITECTURAL PLAINS OR FRAMING PLAN. IF FOOTING SIZE OR LOCATION IS NOT DETERMINATE FROM USE OF FOUNDATION PLAN ALONE, CONTACT THE ENGINEER OF RECORD.

PRE-ENGINEERED TRUSSES & I-JOISTS

1. ROOF OR FLOOR TRUSSES FABRICATED TO ACHIEVE THE ROOF PLANES DEPICTED ON THE ARCHITECTURAL PLANS SHALL BE DESIGNED UNDER THE SUPERVISION OF A REGISTERED FLORIDA PROFESSIONAL ENGINEER. ENGINEERING SHOP DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH ANSI/TPI-2002 AND SUIBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION. DESIGN CRITERIA IS LOCATED ON SHEET ST-1 OF THE PLAN SET. TEMPORARY BRACING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE LEFT IN PLACE AFTER

2. TRUSSES OR I-JOISTS SHALL BE DESIGNED TO MATCH THE ORIENTATION, SPAN DIRECTION, SPACING, BEARING LOCATION AND NAMING CONVENTION OF THE ILAYOUT SHOWN HERE.

THE TRUSS ENGINEER SHALL PROVIDE ALL TRUSS TO TRUSS CONNECTION DESIGN AND SPECIFICATIONS AND SUBMIT THEM UNDER SIGN AND SEAL WITH THE TRUSS SHOP DRAWINGS. 4. TRUSS UPLIFTS HAVE BEEN CALCULATED BYTHE ENGINEER OF RECORD AND TAKEN INTO CONSIDERATION DURING THE DESIGN OF THE UPLIFT

CONNECT ALL TRUSSES TO TOP PLATE AS SPECIFIED ON THE TYPICAL WALL SECTION SHEET. 6. I-JOISTS FABRICATED TO ACHIEVE THE FLOOR PLANS DEPICTED ON THE ARCHITECTURAL PLANS SHALL BE DESIGNED AND SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION. SEE DESIGN CRITERIA, THIS SHEET.

RESTRAINT SYSTEM FIOR THIS STRUCTURE. AS SUCH, THE REPORTED UPLIFTS ON THE TRUSS SHOP DRAWINGS MAY BE DISREGARDED.

SHEET INDEX

ST-1	STRUCTURAL SPECIFICATIONS
	FOUNDATION PLAN
ST-3	1ST LEVEL STRUCTURAL FRAMING PLAN
	1ST LEVEL ROOF FRAMING PLAN
ST-4	2ND LEVEL STRUCTURAL FRAMING PLAN (IF APPLICABLE)
ST-4A	2ND LEVEL ROOF FRAMING PLAN (IF APPLICABLE)
ST-5	TYPICAL WALL SECTION SHEET
ST-6	SECTIONS AND DETAILS
ST-7	SECTIONS AND DETAILS (IF APPLICABLE)

LEGEND

DTT2Z 등阵

UNO	UNLESS NOTED OTHERWISE ON PLAN OR DETAIL
EOR	ENGINEER OF RECORD
EW	EACH WAY
OSB	ORIENTED STRAND BOARD
WSP	WOOD STRUCTURAL PANEL
SYP	SOUTHERN YELLOW PINE
SPF	SPRUCE-PINE-FUR
CONT	CONTINUOUS
O.C.	ON CENTER
LSL	1.55E TIMBERSTRAND LSL ENGINEERED LUMBER, 1 3/4" WIDE, UNO. (3 1/2" WIDE LSL BEAMS ARE EQUIVALENT TO 2-PLY 1 3/4" BEAM)
LVL	1.9E MICROLLAM LVL ENGINEERED LUMBER, 1 3/4" WIDE
PSL	2.0E PARRALLAM PSL ENGINEERED LUMBER, 3 1/2" WIDE, UNO.
QTB	QUICKTIE BLUE, SEE TABLE 6: UPLIFT ANCHORS
QTG	QUICKTIE GREEN, SEE TABLE 6: UPLIFT ANCHORS
QTO	QUICKTIE ORANGE, SEE TABLE 6: UPLIFT ANCHORS
A SECTION	INTERIOR ROOF LOAD BEARING WALL, SPECIFICATIONS

OUTLINED ON TYPICAL WALL SECTIONS, DETAIL SHEETS INTERIOR BEARING WALL WITH NO UPLIFT. NO UPLIFT ANCHORS REQUIRED. MINIMUM BOTTOM PLATE ANCHORAGE IS $^3\!\!8$ " ANCHOR @ 48" O.C. (UNO ON FRAMING PLAN OR SW

STRUCTURAL WOOD BEAM

SPECIFICATIONS)

FOUNDATION KEYNOTE CALLOUT

STUD COLUMN KEYNOTE CALLOUT NUMBER OF STUDS BELOW BEAM/GIRDER TRUSS. STUDS TO MATCH WALL FRAMING SIZE AND GRADE, UNO. 2 STUDS SS S

- ADDITIONAL CLARITY FOR THE LOCATION OF THE STUD COLUMN BOTTOM OF STUD COLUMN CONNECTION •1ST LEVEL STUD COLUMN: HOLDDOWN REQUIRED AT BASE OF COLUMN 2ND LEVEL STUD COLUMN: STRAPPING REQUIRED FROM 2ND LEVEL

COLUMN TO 1ST LEVEL STUDS/HEADER/BEAM. • "ATC" REQUIRES 3/8" ATC WITHIN 3" OF SUPPORTED MEMBER

NUMBER OF STRAPS CONNECTING HEADER TO JACK STUD MSTA24 TYPE OF STRAP CONNECTING HEADER TO JACK STUD

HEADER STRAPPING KEYNOTE CALLOUT

KING/JACK GROUP BOTTOM CONNECTION • 1ST LEVEL STUD GROUP: HOLDDOWN REQUIRED AT BASE OF STUD GROUP • 2ND LEVEL STUD COLUMN: STRAPPING REQUIRED FROM 2ND LEVEL STUD GROUP TO 1ST LEVEL STUDS/HEADER/BEAM.

NUMBER OF HOLDDOWNS/STRAPS AT BASE OF KING/JACK GROUP

HEADER FRAMING KEYNOTE CALLOUT (2) 2x10 - 1 / 2 NUMBER OF KING STUDS EACH SIDE OF OPENING NUMBER OF JACK STUDS EACH SIDE OF OPENING SIZE OF HEADER (ALL HEADERS TO BE NO.2 SYP UNLESS DESIGNATED AS LSL, LVL, PSL, OR WSP)

NUMBER OF PLIES IN HEADER FRAMING NOTES

. SIMPSON ACRYLIC-TIE ADHESIVE SHALL BE USED IN ALL DRILLED AND EPOXIED CONNECTIONS TO CONCRETE. EPCON G5 HIGH STRENGTH EPOXY OR EQUIVALENT SHALL BE USED FOR ALL QUICKTIE TO SLAB CONNECTIONS. ANCHOR BOLT, THREADED ROD, OR DOWELED REINFORCING STEEL MAY BE EMBEDDED TO THE SPECIFIED DEPTH, IN A HOLE $\frac{1}{16}$ " GREATER THAN THE DIAMETER OF THE ANCHOR. ADHESIVE MUST FILL THE HOLE IN THE CONCRETE AND WOOD BOTTOM PLATE. MANUFACTURER'S SPECIFICATIONS MUST BE FOLLOWED FOR PROPER INSTALLATION.

2. ALL LUMBER SPECIFIED ON DRAWINGS IS INTENDED FOR DRY USE ONLY, UNO. ALL WATERPROOFING AND FIRE SAFETY SYSTEMS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE DESIGNED AND DETAILED BY OTHER.

3. ALL MIETAL CONNECTORS SPECIFIED ON PLAN ARE IN ADDITION TO FRAMING FASTENER REQUIREMENTS LISTEID IN FLORIDA BUILDING CODE TABLE 2304.91.

BEAM:S IDENTIFIED BY NUMBER ON PLAN ARE TO BE PROVIDED BY TRUSS MANUFACTURER. FASTEN ALL MULTI-PLY STUD COLUMNS AND CORNERS TOGETHER WITH (2) ROWS 10d COMMON @ 8" O.C. STAGGERED. UPPER LEVEL MULTI-PLY STUD GROUPS TO BE CONTINUOUS THROUGH FLOOR SYSTEM TO

FOUNIDATION FASTEN ALL STUDS TO BOTTOM AND TOP PLATES WITH (4)8d TOE NAILS OR (2)16d COMMON END NAILS. . FASTEN ALL TRUSSES AND RAFTERS TO TOP PLATES WITH (3)8d TOE NAILS.

8. ALL MULTI-PLY TRUSS GIRDERS AND BEAMS TO HAVE SOLID STUD GROUP BELOW MATCHING GIRDER OR BEAM THICKNESS AND MATCHING WALL STUD SPECIFICATIONS AS NOTED ON STRUCTURAL PLAN, UNO .

HEADER FRAMING

1. ALL HEADER JACK AND KING STU DS SHALL BE FASTENED TO EACH OTHER WITH (2) ROWS 10d @ 8 " O.C. 2. WSP HEADERS ARE WOOD STRUCTURAL PANEL HEADERS AND HAVE THE FOLLOWING REQUIREMENTS:

 ATTACH TO ALL FRAMING MEMBERS (KING STUD, TOP PLATE, HEADER SILL, CRIPPLES, ETC.) W/ 8d COMMON @ 3" O.C. EITHER PLY OF DBL TOP PLATE MUST BE CONTINUOUS OVER OPENING, SHEATHING MUST BE EDGE NAILED AT CONTINUOUS PLY

 N/O.2 SPF HEADER SILL INSTALLED ABOVE OPENING W/ (1) CRIPPLE STUD AT EACH END . WALL SHEATHING ABOVE OPENING MUST BE CONTINUOUS (OR PROPERLY SPLICED PER TYPICAL WALL SECTION SHEET) FROM TOP OF PLATE TO HEADER BELOW OR SILL PLATE ABOVE OPENING

4. FASTEN ALL MULTI-PLY HEADERS TOGETHER WITH (2) ROWS 10d @ 8" O.C. ALONG EACH EDGE. 5. FASTENI ALL HEADERS TO KING STUDS WITH (3)8d TOE NAILS PER SIDE.

SIHEATHING TO MATCH SPECIFICATION FOR EXTERIOR WALLS, SEE TABLE 2.

IF HEADER NOT SPECIFIED, CONTACT ENGINEER OF RECORD.

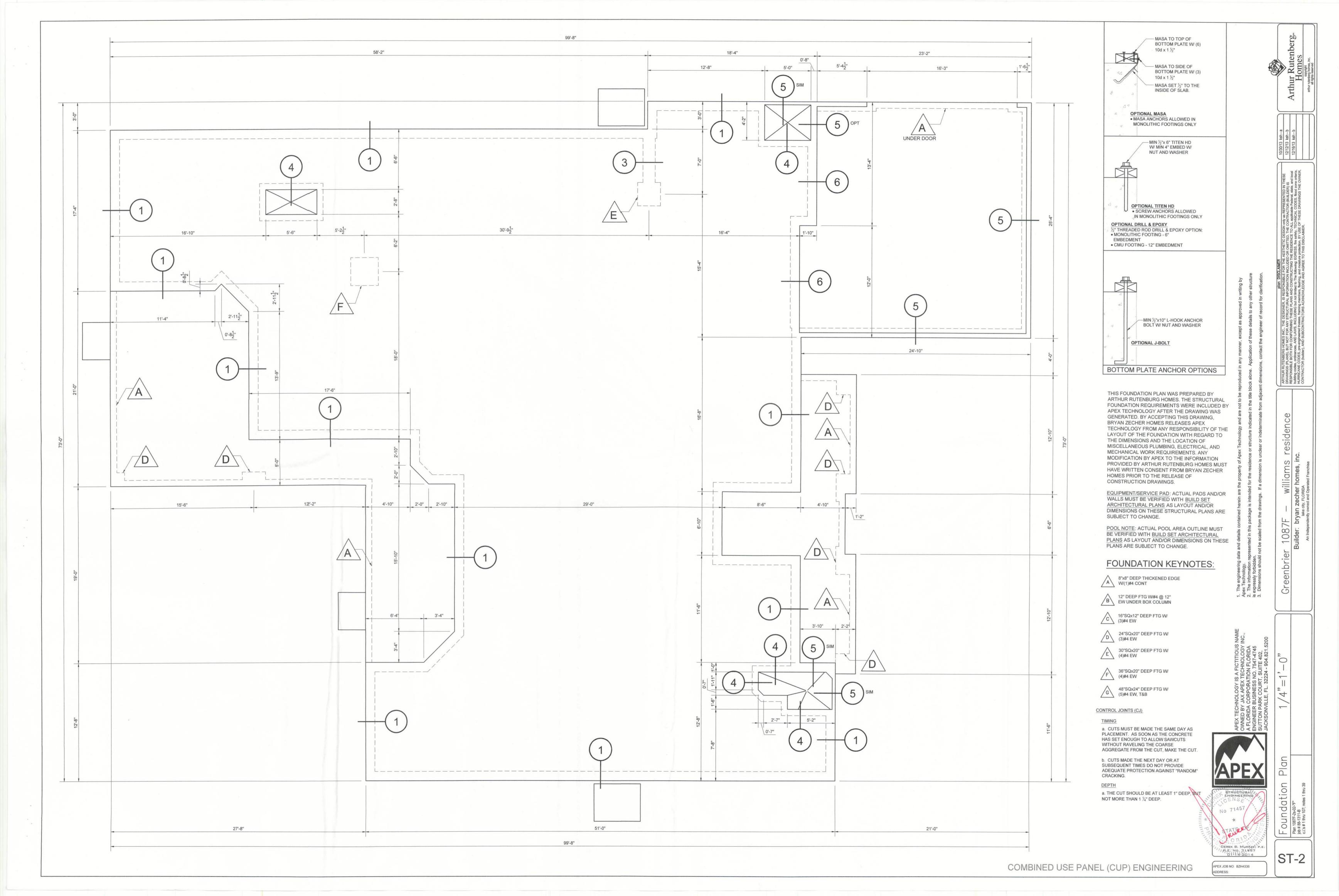
OPENINGS > 6' OPENINGS IN 2x4 STUD WALLS GREATER THAN 6' REQUIRE A (2)2x4 NO.2 SPF PLANK ORIENTED (2x4 WALLS) PLATE DIRECTLY ABOVE AND BELOW THE OPENING W/(6) 12d COMMON TOE-NAILS AT EACH END.

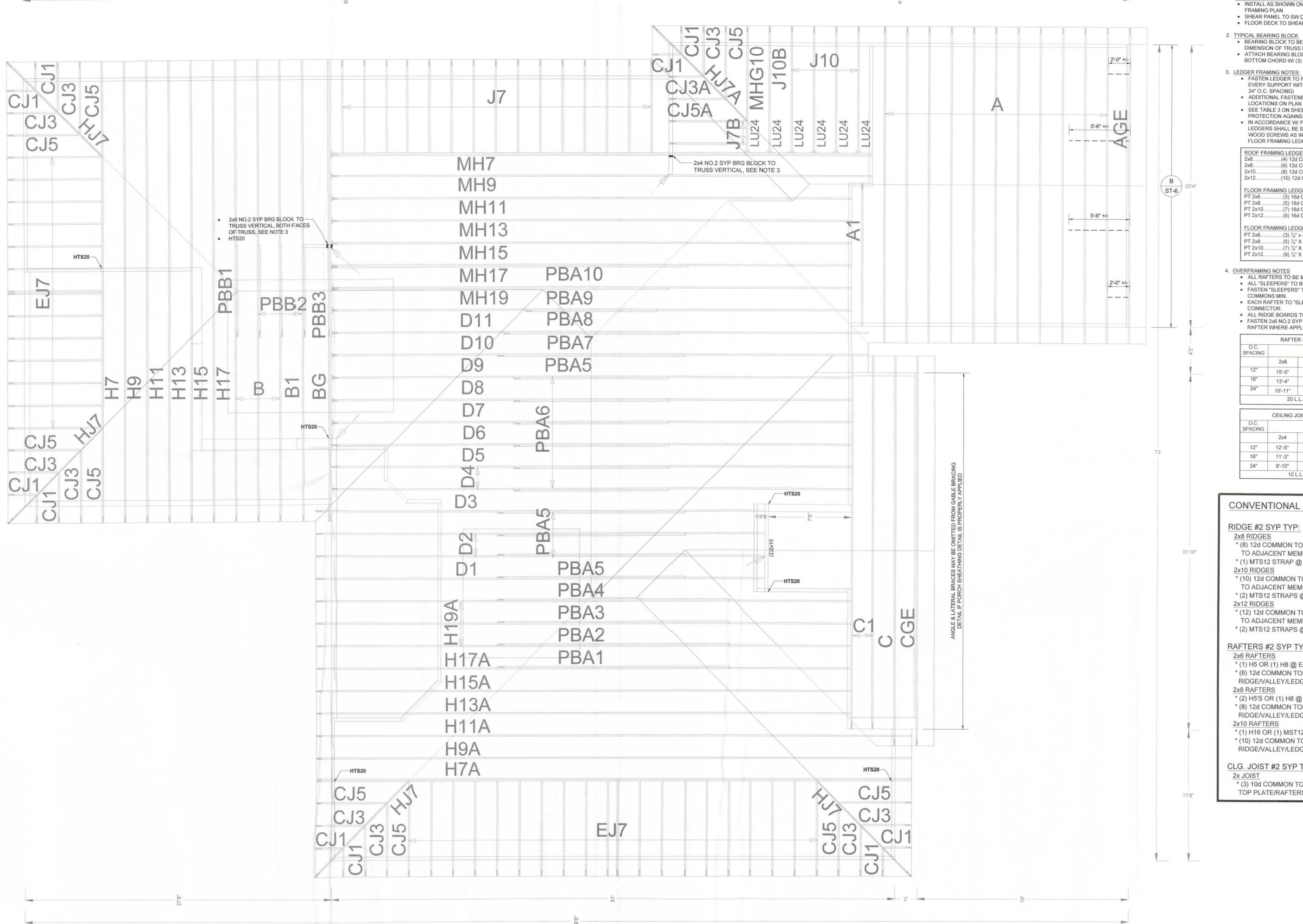
OPENINGS > 8' OPENINGS IN 2x6 STUD WALLS GREATER THAN 8' REQUIRE A (2)2x6 NO.2 SPF PLANK ORIENTED (2x6 WALLS) PLATE DIRECTLY ABOVE AND BELOW THE OPENING W/(8) 12d COMMON TOE-NAILS AT EACH END.



COMBINED USE PANEL (CUP) ENGINEERING

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ROOF FRAMING KEYNOTES NOTES APPLICABLE ONLY WHERE SPECIFIED ON PLAN

PRE-MAUNFACTURED SHEAR PANEL
 INSTALL AS SHOWN ON LAYOUT ABOVE SW SPECIFIED ON

FRAMING PLAN

 SHEAR PANEL TO SW DBL TOP PLT W/ 10d @ 3" O.C. FLOOR DECK TO SHEAR PANEL W/ 10d @ 3" O.C.

2. TYPICAL BEARING BLOCK

 BEARING BLOCK TO BE NO.2 SYP, MIN 48" LONG AND TO MATCH DIMENSION OF TRUSS MEMBER. ATTACH BEARING BLOCK TO TRUSS VERTICAL OR TRUSS

BOTTOM CHORD W/ (3) ROWS 10d @ 4" O.C. STAGGERED.

 FASTEN LEDGER TO FRAMING/TRUSS VERTICALS AT EVERY SUPPORT WITH FASTENING SHOWN BELOW (MAX

24" O.C. SPACING)

 ADDITIONAL FASTENERS MAY BE REQUIRED AT SPECIFIED LOCATIONS ON PLAN

SEE TABLE 3 ON SHEET ST-1/S1 FOR FASTENER

PROTECTION AGAINST CORROSION IN ACCORDANCE W/ FRC 502.2.1, EXTERIOR DECK

LEDGERS SHALL BE SECURE TO WALL FRAMING WITH WOOD SCREWS AS INDICATED ABOVE. COMMON NAILS AT FLOOR FRAMING LEDGERS ARE FOR INTERIOR USE ONLY.

ROOF FRAMING LEDGER:(4) 12d COMMON(6) 12d COMMON 2x10.....(8) 12d COMMON 2x12.....(10) 12d COMMON FLOOR FRAMING LEDGER (W/ NAILS):(3) 16d COMMON PT 2x8.....(5) 16d COMMON

PT 2x12.....(9) 16d COMMON FLOOR FRAMING LEDGER (W/ SCREWS):

PT 2x10.....(7) 16d COMMON

PT 2x6.....(3) 1/4" x 4-1/2" LONG #14 WOOD SCREWS PT 2x8.....(5) 1/4" X 4-1/2" LONG #14 WOOD SCREWS PT 2x10.....(7) 1/4" X 4-1/2" LONG #14 WOOD SCREWS PT 2x12.....(9) 1/4" X 4-1/2" LONG #14 WOOD SCREWS

4. OVERFRAMING NOTES

 ALL RAFTERS TO BE MIN. 2x6 NO.2 SYP @ 24" O.C. MAX. ALL "SLEEPERS" TO BE PLANK-ORIENTED 2x8 NO.2 SYP MIN.

 FASTEN "SLEEPERS" TO EACH TRUSS/RAFTER W/ (3) 16d COMMONS MIN. EACH RAFTER TO "SLEEPER" W/ SIMPSON H3 UPLIFT

CONNECTOR.

plan DIS
ARTHUR RUTENBERG HOMES INC., THE DESIGNER, IS RESPONSIBLE
DRAWINGS (PLANS), BUT NOT FOR ANY STRUCTURAL INFORMATION
RESPONSIBLE BOTH FOR CONFORMING THESE PLANS AND CONSTR
building codes, ordinances, AND LAWS, INCLUDING but not limited to The I
HURRICANE CODES, pre-engineered trusses, framing members, flashing, is
CONTRACTOR (builder), AND SUBCONTRACTORS ACKNOWLEDGE AN

Builder: bryan

ALL RIDGE BOARDS TO BE 2x8 NO.2 SYP MIN.
FASTEN 2x6 NO.2 SYP COLLAR TIES FROM RAFTER TO RAFTER WHERE APPLICABLE W/ (5) 10d COMMONS MIN.

RAFTER SPAN SCHEDULE LUMBER SIZE 2x6 2x8 2x10 2x12 15'-5" 19'-11" 23'-9" 26'-0" 13'-4" 17'-3" 20'-7" 22'-0" 24" 10'-11" 14'-1" 16'-10" 19'-9"

20 L.L./15 D.L. #2 SYP

O.C. SPACING	LUMBER SIZE				
	2x4	2x6	2x8	2x10	
12"	12'-5"	19'-6"	25'-8"	26'-0"	
16"	11'-3"	17'-8"	23'-4"	26'-0"	
24"	9'-10"	15'-6"	20'-1"	23'-11'	

CONVENTIONAL FRAMING NOTES

RIDGE #2 SYP TYP:

2x8 RIDGES * (8) 12d COMMON TOENAILS @ VALLEY

TO ADJACENT MEMBER.

* (1) MTS12 STRAP @ VALLEY TO PLATE. 2x10 RIDGES

* (10) 12d COMMON TOENAILS @ VALLEY

TO ADJACENT MEMBER.

* (2) MTS12 STRAPS @ VALLEY TO PLATE.

2x12 RIDGES * (12) 12d COMMON TOENAILS @ VALLEY

TO ADJACENT MEMBER.

* (2) MTS12 STRAPS @ VALLEY TO PLATE.

RAFTERS #2 SYP TYP:

2x6 RAFTERS * (1) H5 OR (1) H8 @ EACH RAFTER TO PLATE. * (6) 12d COMMON TOENAILS @ RAFTERS TO

RIDGE/VALLEY/LEDGER. 2x8 RAFTERS * (2) H5'S OR (1) H8 @ EACH RAFTER TO PLATE.

* (8) 12d COMMON TOENAILS @ RAFTERS TO RIDGE/VALLEY/LEDGER. 2x10 RAFTERS

* (1) H16 OR (1) MST12 @ EACH RAFTER TO PLATE * (10) 12d COMMON TOENAILS @ RAFTERS TO RIDGE/VALLEY/LEDGER.

CLG. JOIST #2 SYP TYP:

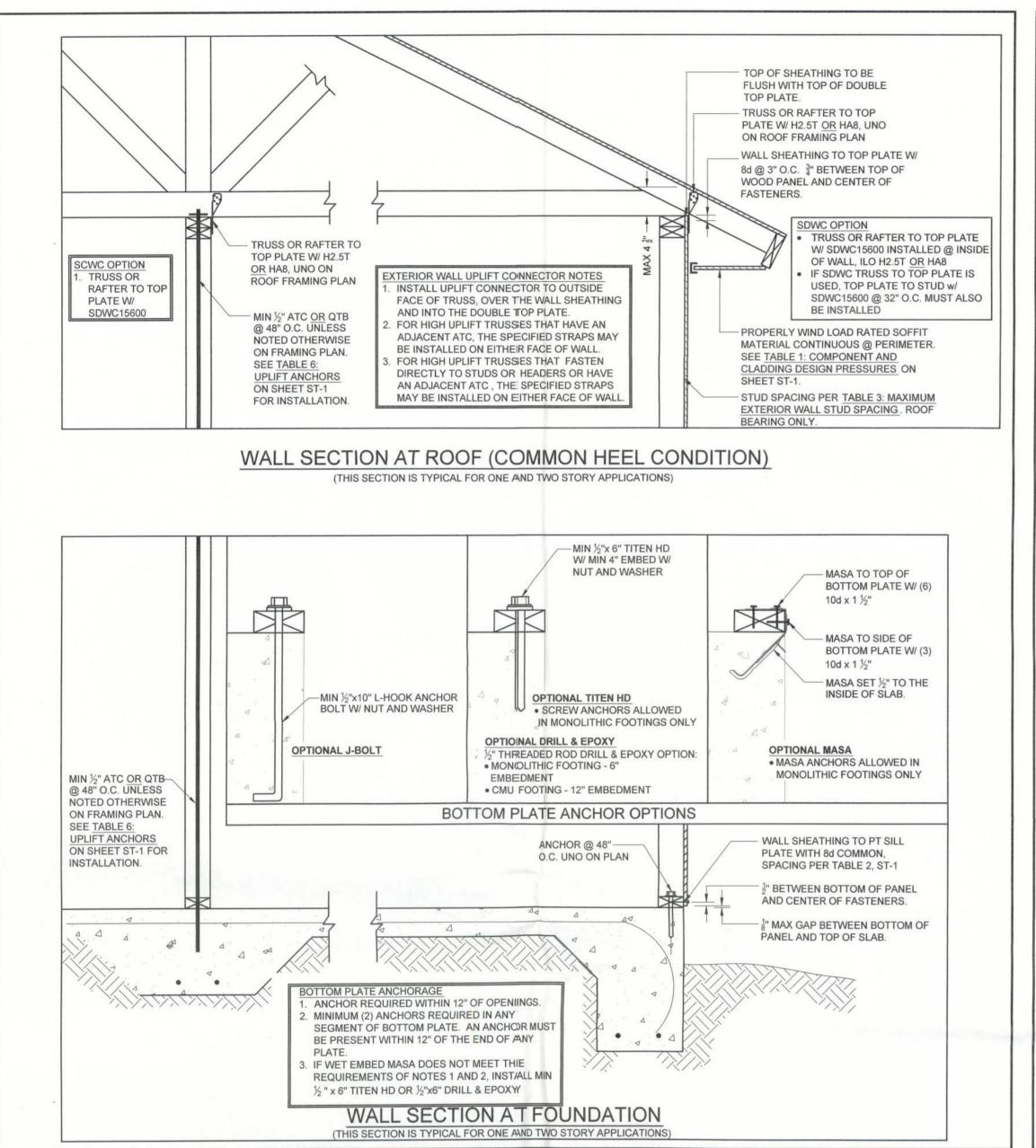
* (3) 10d COMMON TOENAILS @ CLG. JOIST TO TOP PLATE/RAFTERS.

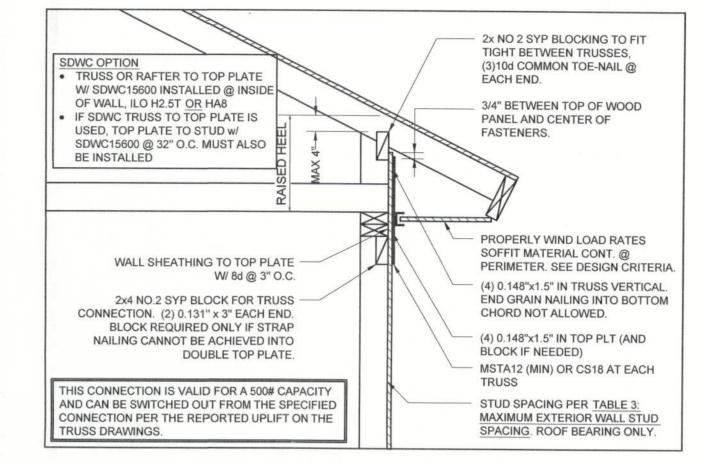


DEREK B. MURRAY, P.E P.E. NO. 71457 01-14-2014 APEX JOB NO: BZH4336

ROC Plan 108 job # 88-c.i.'s # 1

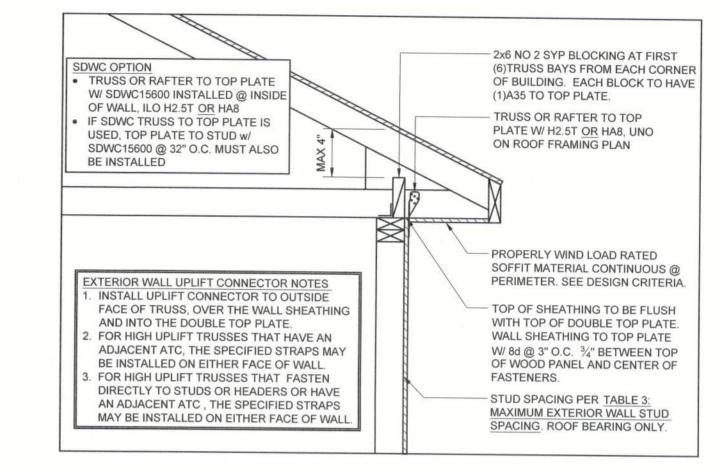
ST-3A





WALL SECTION AT ROOF (RAISED HEEL CONDITION)

(THIS SECTION IS TYPICAL FOR ONE AND TWO STORY APPLICATIONS)



WALL SECTION AT ROOF (CANTILEVER CONDITION)

(THIS SECTION IS TYPICAL FOR ONE AND TWO STORY APPLICATIONS)

TYPICAL WALL SECTIONS

STUDS TO 1ST LEVEL STUDS W/ MSTA36

OR CS18, 1ST LEVEL STUDS TO SLAB W/

• (6) NAILS OF LTT20B MAY BE OMITTED

ALTERNATE WALL SECTIONS GENERAL NOTES APPLICABLE TO ALL: ALL TOP PLATES ARE TO BE BUILT WITH (2)2x_ NO 2 SYP FASTENED W/(2) ROWS 10d @ 8" O.C. STAGGERED (UNO). MINIMUM 48" LAP W/ MINIMUM (20)10d IN LAP.

ADJUST TYPICAL NAIL SPACING AS NEEDED. ALL BOTTOM PLATES ARE TO BE 2x NO 2 SYP PT.

ALL INTERIOR LOAD BEARING WALL STUDS ARE TO BE MINIMUM 2X4 NO 2 SPF AT 16" O.C. UNLESS NOTED OTHERWISE ON FRAMING PLAN.

4. FOR EXTERIOR WALL STUD SIZE AND SPACING, REFER TO TABLE 3: MINIMUM EXTERIOR WALL STUD SIZES ON SHEET ST-1. 5. FOR SHEATHING SIZE AND FASTENING REFER TO TABLE 2: WOOD STRUCTURAL PANEL SHEATHING REQUIREMENTS ON SHEET ST-1.

6. FOUNDATION INFORMATION ON THIS PAGE IS FOR GRAPHICAL DEPICTION ONLY. REFER TO FOUNDATION PLAN AND SECTIONS FOR FOUNDATION INFORMATION.

7. WALL SECTION AT FOUNDATION AND WALL SECTION AT ROOF ARE TYPICAL FOR ONE AND TWO STORY APPLICATIONS.

8. STUD TO BOTTOM PLATE CONNECTION MAY BE OMITTED IF 1/2" ANCHOR W/ 3" SQUARE BY 1/4" WASHER INSTALLED @ 24" O.C. (WASHER NOT REQUIRED W/ MASA)

SWB • FASTEN DBL STUDS TO TOP PLATE AT END OF SHEARWALL AND KING STUDS W/ • FASTEN STUD GROUPS TOGETHER W/ 12d @) 8" O.C. (TYP) HEADER PER PLAN NAIL THROUGH 7/16" OSB INTO SPF OR BETTER FRAMING WITH 8d @ 3" O.C. (TYP AT HATTCHED EDGES) DBL CRIOSS PLATE ABOVE AND BELOW OPENING TO DBL 2x4 BLOCKING W/ (2) CS18 OR (2) MSTA36 (TYP AS SHOWN) 3/8" ATC: COUPLED TO HTT5 BELOW OR QTO (SEE TABLE 8, ST-1), IN LIEU OF END STUD TO TOP PLT CONNECTION. 3/8" ATC OR QTB (SEE TABLE 8, ST-1), IN LIEU OF KING STUDS TO TOP PLT STRAPS. 10: 3: 11: 11: 13: 12: BOTTOM PLATE ANCHORS AT 24" O.C. (UNO) PER TYPICAL WALL SECTION • HTT5 AT WALL SEGMENT END STUDS AT SECOND LEVEL WALLS, END STUDS TO 1ST LEVEL STUDS W/ (2)MSTA36 OR (2)CS18, 1ST LEVEL STUDS TO SLAB W/ HTT5 MAY BE INSTALLED AROUND CORNER LTT19, LTT20B, OR DTT2Z AT KING/JACK STUDS AT SECOND LEVEL WALLS, KING/JACK

SWB-SPECIAL SHEARWALL DETAIL

THIS DETAIL MAY BE USED AT 1ST AND 2ND LEVEL WALLS

SHEATH ONLY ONE FACE OF WALL, UNO

STATE O 01-14-2014

COMBINED USE PANEL (CUP) ENGINEERING

No 71487 DEREK B. MURRAY, P.E. No. 71457

APEX JOB NO: BZH4336

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ST-5

