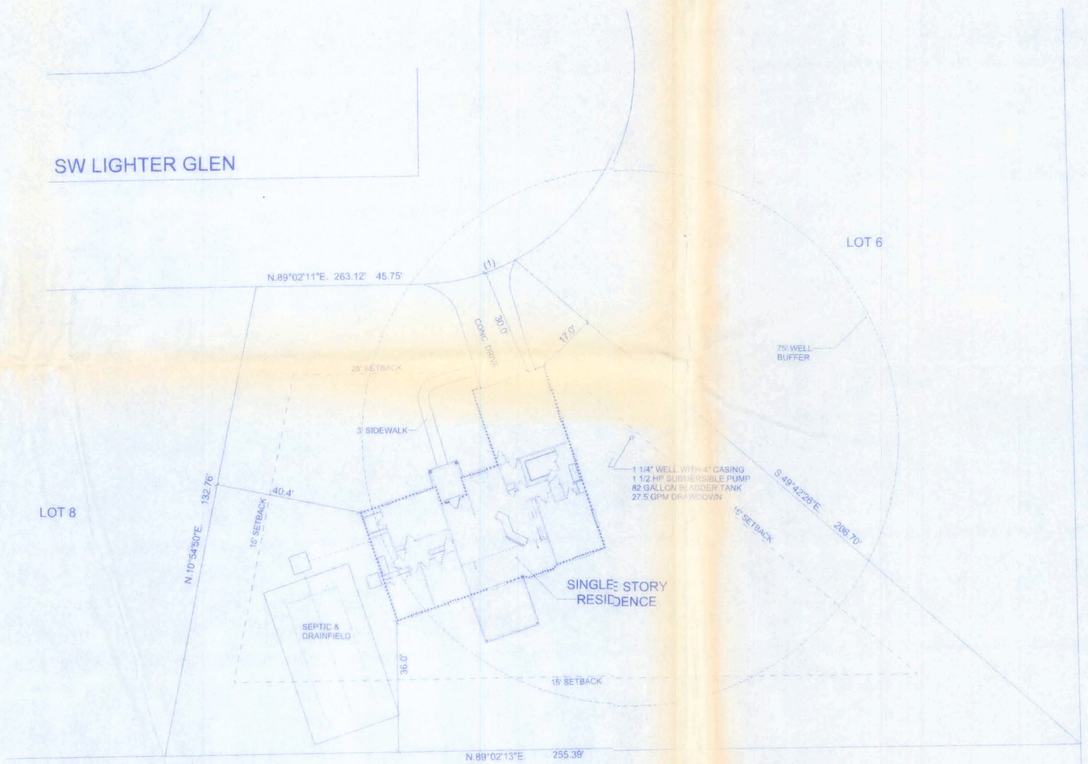
OFFICE COPY

DESCRIPTION:

CANNON CREEK PLACE, LOT #7 (0.50 ACRES)
LAKE CITY, COLUMBIA COUNTY, FLORIDA



SITE PLAN
SCALE: 1" = 20'

CURVE DATA:

RADIUS:	60.00'
DELTA:	26^39'53"
ARC:	27.92'
TANGENT:	14.22'
CHORD:	27.67'
CH. BRG:	S. 75^42'15" W.

William H. Freeman 2/15/06

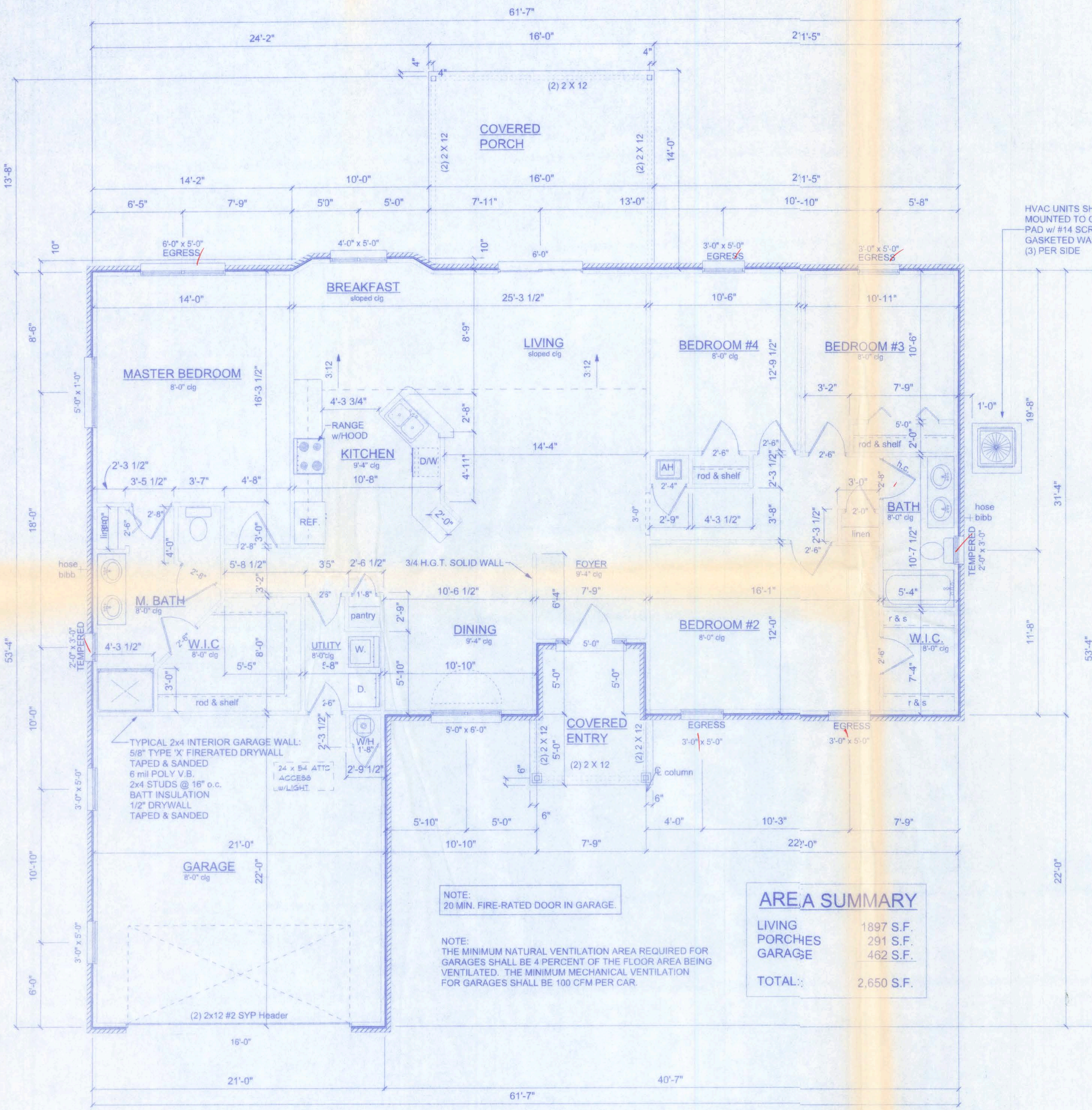
ST. JOHNS MODEL
CANNON CREEK PLACE LOT# 7

161 NW MADISON STREET
SUITE #102
LAKE CITY, FL. 32055
(386)758-4209
CERTIFICATE OF AUTHORIZATION # 00006701
Freeman Design Group

DATE	DRAWN BY
2/14/06	WHF

REVISIONS

SHEET SP-1
OF 1
PROJECT #0



FLOOR PLAN

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

PRODUCT CODE	SIZE	COUNT
60x80 Therma Tru Steel Door w/ Sidelites	3'-0" x 6'-8" 1'-0" x 6'-8"	1
Better Bilt 2-Panel Patio Doors Series 470	70" x 80"	1
16' x 7" Amaar Steel Garage Door	16'-0" X 7'-0"	1
2668 BiFold Masonite Door	2'-6" X 6'-8"	1
5068-2 BiFold Masonite Doors	5'-0" X 6'-8"	1
1868 Masonite Door	1'-8" X 6'-8"	2
2068 Masonite Door	2'-0" X 6'-8"	1
2468 Masonite Door	2'-4" X 6'-8"	1
2668 Masonite Door	2'-6" X 6'-8"	7
2868 Masonite Door	2'-8" X 6'-8"	5
5010 Transom Capitol 650 Series	5'-0" x 1'-0"	1
SH 2030 Captiol 650 Series	2'-0" x 3'-0"	2
(2) 2640 Capitol 650 Series w/ Circle Top	5'-0" x 4'-0"	1
(2) 3050 Capitol 650 Series	6'-0" x 5'-0"	1
SH 3050 Capitol 650 Series	3'-0" x 5'-0"	6
SH 4050 Capitol 650 Series	4'-0" x 5'-0"	1
(2) SH 3036 w/ half round	3'-0" x 6'-0"	1

NOTE:
ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION, AND IN ACCORDANCE WITH ASCE-7

BASIC WIND SPEED		110 MPH
IMPORTANCE FACTOR		1.0
BUILDING CATEGORY		2
EXPOSURE		B
INTERNAL PRESSURE COEFFICIENT		+/- 0.18
COMPONENT AND CLADDING PRESSURE	WALLS	+21.8/-29.1 PSF
	ROOF	+12.5/-29.1 PSF
	OVERHANGS	-71.6 PSF
TYPE OF STRUCTURE		ENCLOSED
ROOF DEAD LOAD		10 psf
ROOF LIVE LOAD		20 psf
FLOOR DEAD LOAD		20 psf
FLOOR LIVE LOAD		40 psf

NOTE:
EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND BEAR AN AAMA OR WDMA OR OTHER APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT EVALUATION ENTITY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE FOLLOWING SPECIFICATION:

ANSI/AAMA/NWWDA 101/IS2 2/97

THE CONSTRUCTION SHALL BE TESTED IN ACCORDANCE WITH ASTM E 330, STANDARD TEST METHODS FOR STRUCTURAL PERFORMANCE OF EXTERIOR WINDOWS, CURTAIN WALLS, AND DOORS BY UNIFORM STATIC AIR PRESSURE.

William H Fee
2/15/06

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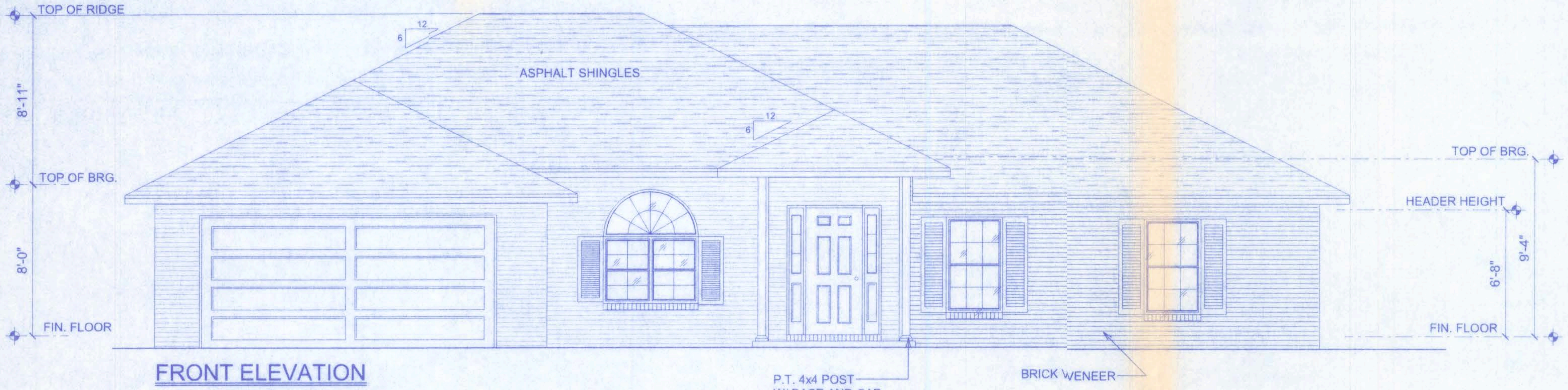
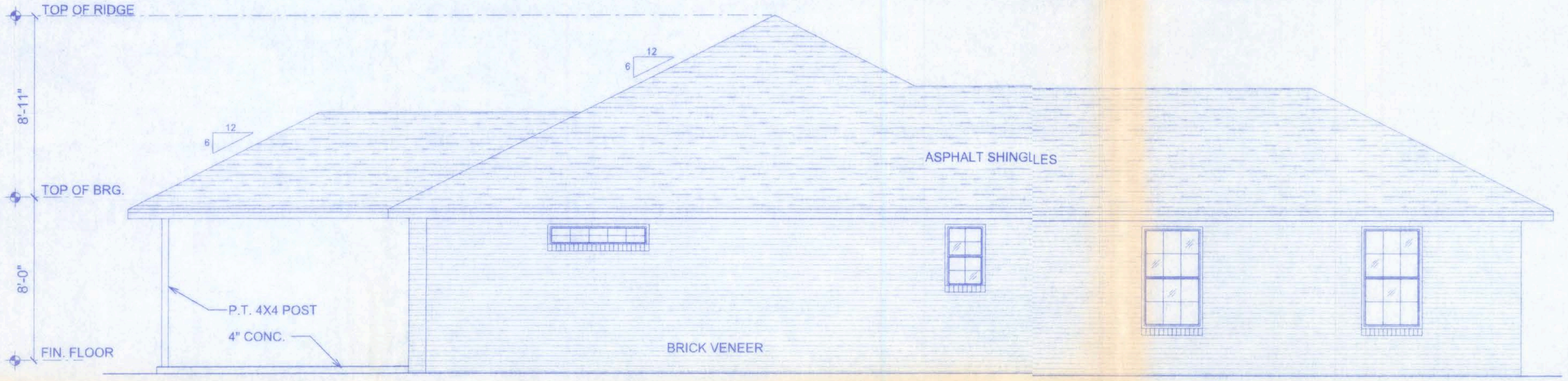
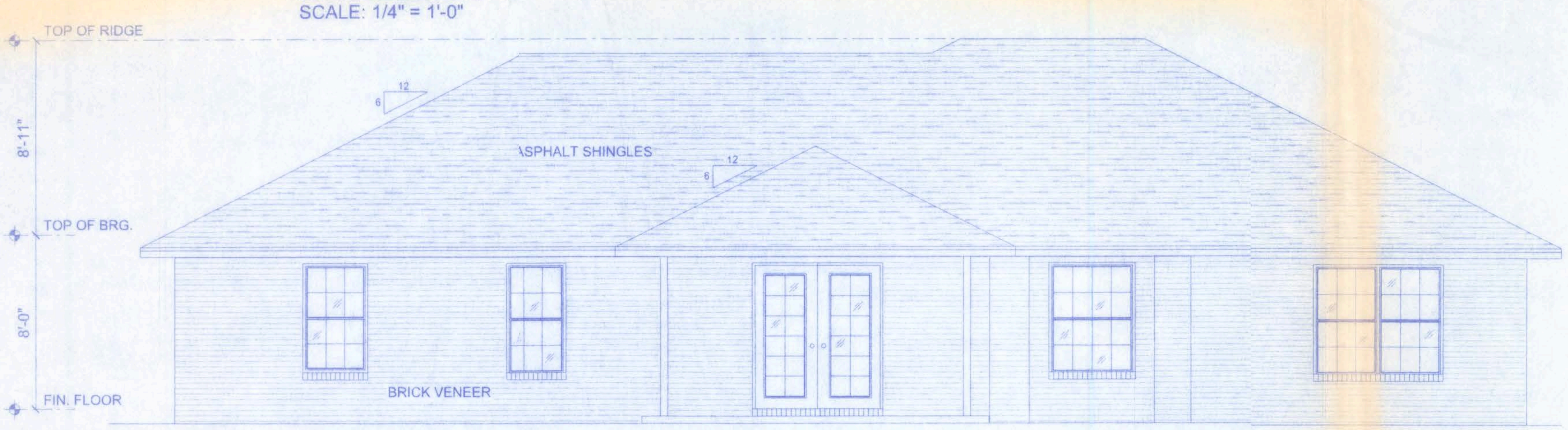


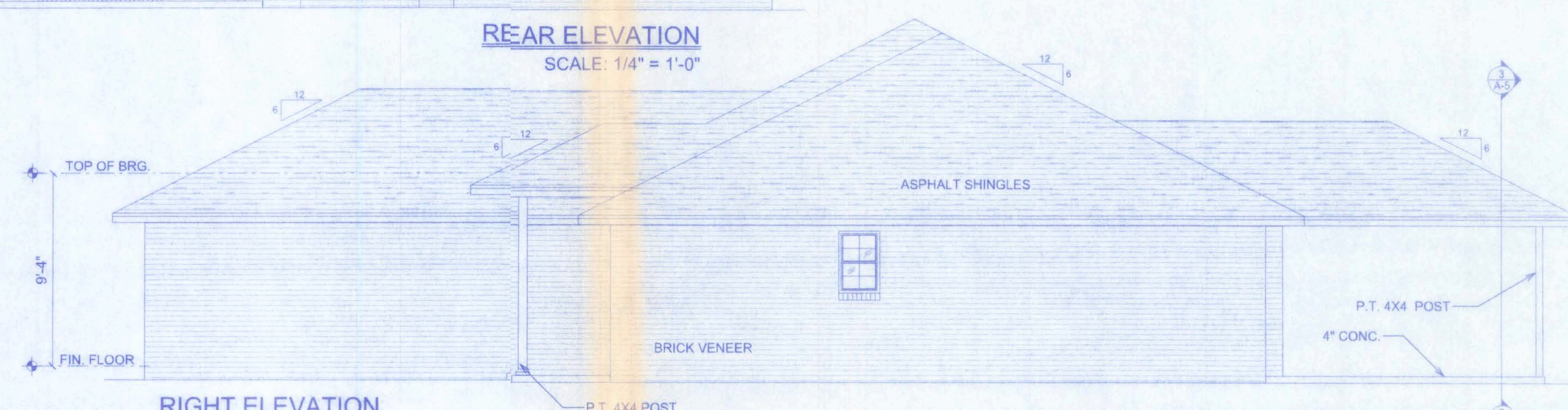
FRONT ELEVATION
SCALE: 1/4" = 1'-0"



LEFT ELEVATION
SCALE: 1/4" = 1'-0"



REAR ELEVATION
SCALE: 1/4" = 1'-0"



RIGHT ELEVATION
SCALE: 1/4" = 1'-0"

NOTE:
THE RIDGE HEIGHT IS GIVEN FOR MEAN ROOF HEIGHT DETERMINATION ONLY. DO NOT USE THIS DIMENSION FOR ROOF CONSTRUCTION.

NOTE:
VENTILATE ROOF TO 1/300TH OF INSULATED CEILING AREA
(2349 SF / 300 = 7.83 SF = 1127.5 SQ. IN.)

GENERAL NOTES:

1. THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FORM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
2. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE WORK DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
3. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.
5. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING OF THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
6. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
7. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABELS LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
9. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

CONSTRUCTION DOCUMENTS:
THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITY FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR REVIEWING THE PLANS AND VERIFYING ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION INCLUDING FABRICATION. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.

DO NOT SCALE THESE PLANS:
AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMATIC MAY BE USED TO DETERMINE THE LOCATION OF THOSE ITEMS NOT DIMENSIONED.

CHANGES TO PLAN SETS:
PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THES PLANS WITHOUT CONSULTING WITH THE ARCHITECT/ENGINEER. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATIONS ON THE PLANS.

ST. JOHNS MODEL
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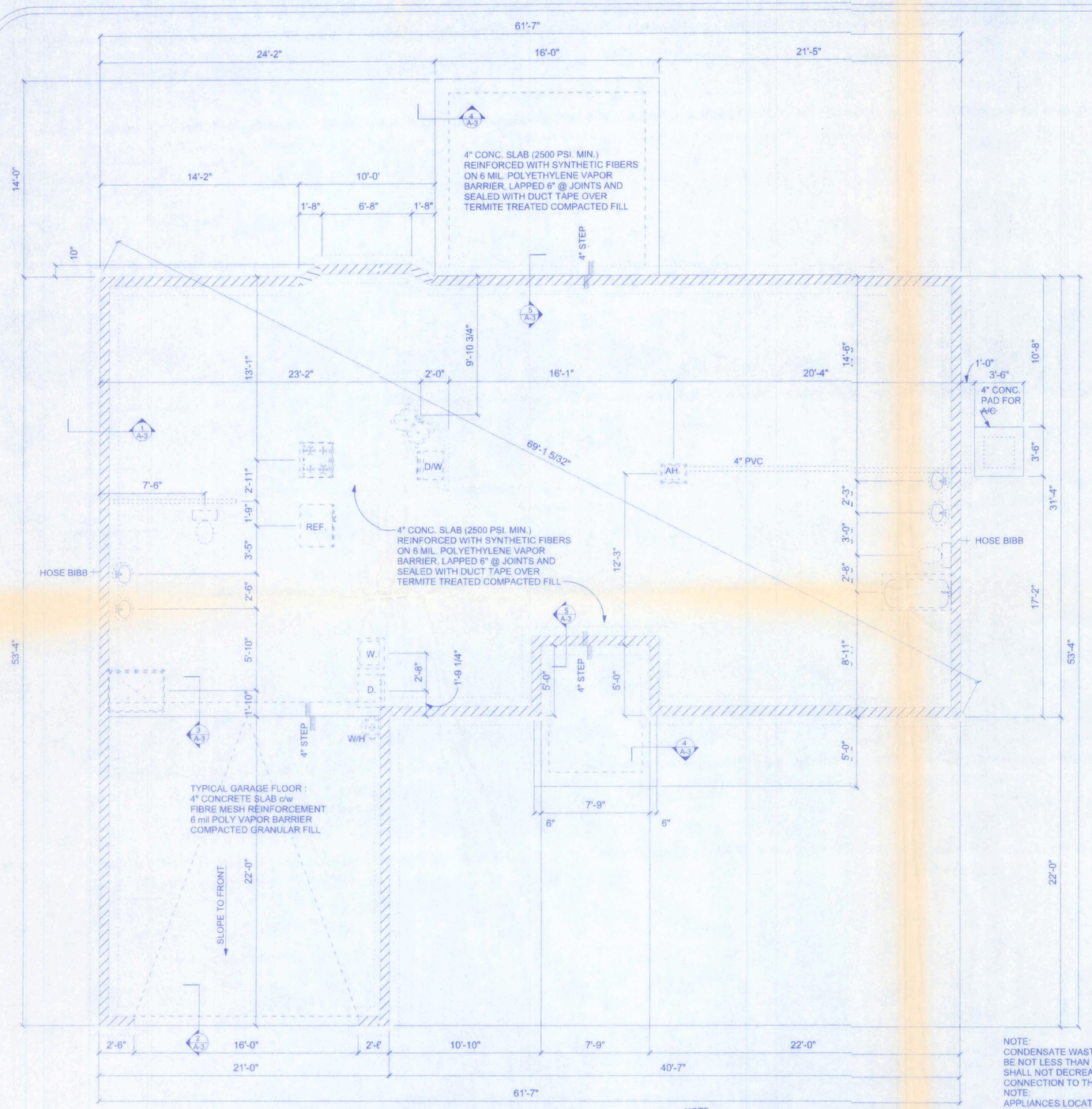
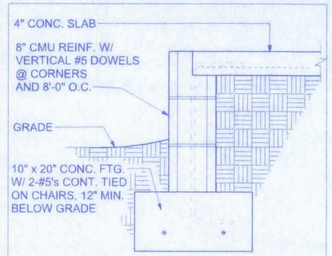


FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

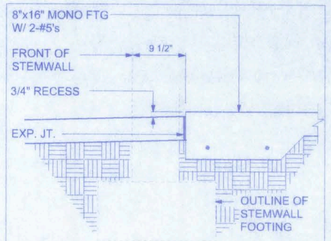
NOTE:
CONDENSATE LINES AND ROOF DOWN SPOUTS SHALL DISCHARGE AT LEAS' ONE FOOT AWAY FROM THE STRUCTURE SIDEWALL. IN CASES WHERE THE ROOF EAVE IS LESS THAN 6 INCHES, GUTTERS MUST BEINSTALLED AND DIRECT WATER A MINIMUM OF 1 FOOT FROM TIE STRUCTURE.

NOTE:
THE MINIMUM NATURAL VENTILATION AREA REQUIRED FOR GARAGES SHALL BE 4 PERCENT OF THE FLOOR AREA BEING VENTILATED. THE MINIMUM MECHANICAL VENTILATION FOR GARAGES SHALL BE 100 CFM PER CAR.

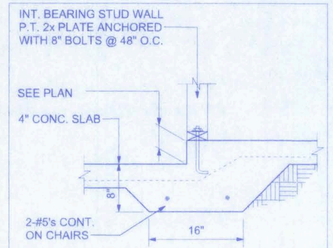
NOTE:
CONDENSATE WASTE AND DRAIN LINE SIZE SHALL BE NOT LESS THAN 3/4" INTERNAL DIAMETER AND SHALL NOT DECREASE IN SIZE FROM THE DRAIN PAN CONNECTION TO THE PLACE OF CONDENSATE DISPOSAL.
NOTE:
APPLIANCES LOCATED IN PRIVATE GARAGES SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 6 FEET ABOVE THE FLOOR EXCEPT WHERE THE APPLIANCE IS PROTECTED FROM MOTOR VEHICLE IMPACT. EQUIPMENT AND APPLIANCES HAVING AN IGNITION SOURCE SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18" ABOVE THE FLOOR.



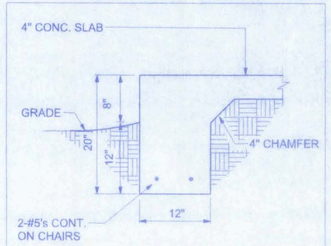
1 / A-3 STEMWALL SECTION



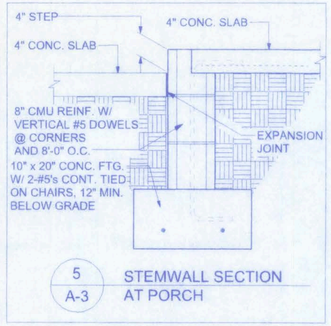
2 / A-3 FTG. SECTION AT GARAGE



3 / A-3 FOOTING STEP AT INTERIOR MONO



4 / A-3 MONOLITHIC FOOTING



5 / A-3 STEMWALL SECTION AT PORCH

SLAB REQUIREMENTS

JOINTS ARE NOT REQUIRED IN UNREINFORCED PLAIN CONCRETE SLABS ON GROUND OR IN SLABS FOR ONE AND TWO FAMILY DWELLINGS COMPLYING WITH ONE OF THE FOLLOWING:

1. CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE 1/2 INCH TO 2 INCHES IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C 1116. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY THE BUILDING OFFICIAL; OR,
2. CONCRETE SLABS ON GROUND CONTAINING 6x6 W1.4 x W1.4 WELDED WIRE REINFORCEMENT FABRIC LOCATED IN THE MIDDLE TO THE UPPER 1/3 OF THE SLAB. WELDED WIRE REINFORCEMENT FABRIC SHALL BE SUPPORTED WITH APPROVED MATERIAL OR SUPPORTS AT SPACING NOT TO EXCEED 3 FT OR IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. WELDED PLAIN WIRE REINFORCEMENT FABRIC FOR CONCRETE SHALL CONFORM TO ASTM A 185, STANDARD SPECIFICATION FOR STEEL WELDED WIRE REINFORCEMENT FABRIC, PLAIN, FOR CONCRETE REINFORCEMENT.

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:
1. ALL REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS AND
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.
EXCEPTION: WHERE BENDING IS NECESSARY TO ALIGN DOWEL BARS WITH A VERTICAL CELL, BARS PARTIALLY EMBEDDED IN CONRETE SHALL BE PERMITTED TO BE BENT AT A SLOPE OF NOT MORE THAN 1 INCH OF HORIZONTAL DISPLACEMENT TO 6 INCHES OF VERTICAL BAR LENGTH.

CONCRETE:
CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.

COVER OVER REINFORCING STEEL
FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFROCING BARS SHALL BE:
3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER AND 1 1/2 INCHES ELSEWHERE. REINFORCING BARS EMBEDDED IN GROUTED CELLS SHALL HAVE A MINIMUM CLEAR DISTANCE OF 1/4 INCH FOR FINE GROUT OR 1/2 INCH FOR COARSE GROUT BETWEEN REINFORCING BARS AND ANY FACE OF A CELL. REINFORCING BARS USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN
2 INCHES FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER
1 1/2 INCHES FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER

GALVANIZATION:
METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL PLATE CONNECTORS, SCREWS, BOLTS AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED.

REINFORCING STEEL:
THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40.

BEARING CAPACITY:
THE FOOTING IS DESIGNED FOR SOIL WITH AN ALLOWABLE BEARING CAPACITY OF 1,000 PSI. THE FOOTINGS SHALL REST ON UNDISTURBED OR COMPACTED SOIL OF UNIFORM DENSITY AND THICKNESS. AT THE OWNER'S REQUEST COMPACTED SOILS SHALL BE TESTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR AND COMPACTED IN LIFTS NOT TO EXCEED 12 INCHES

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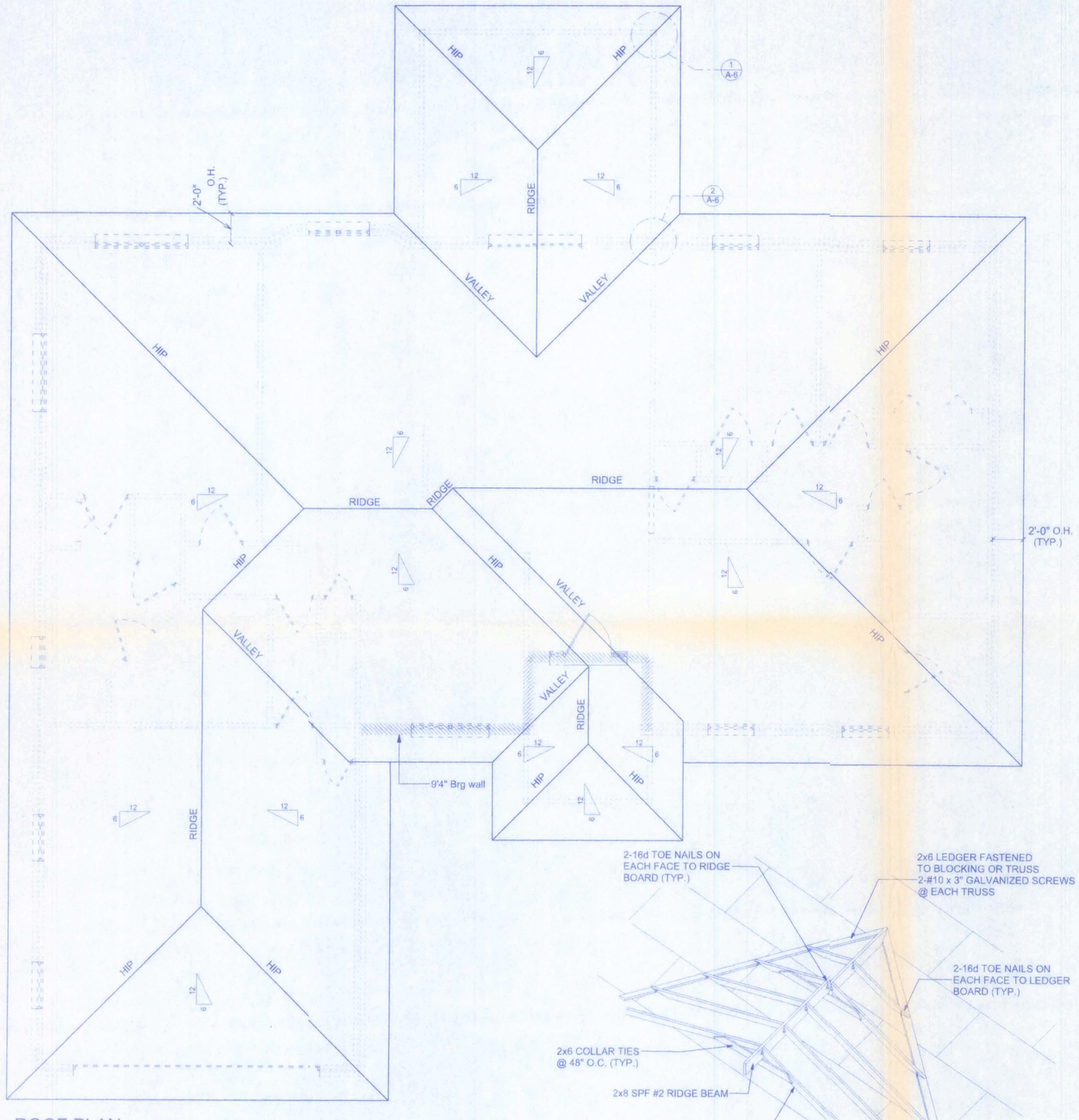
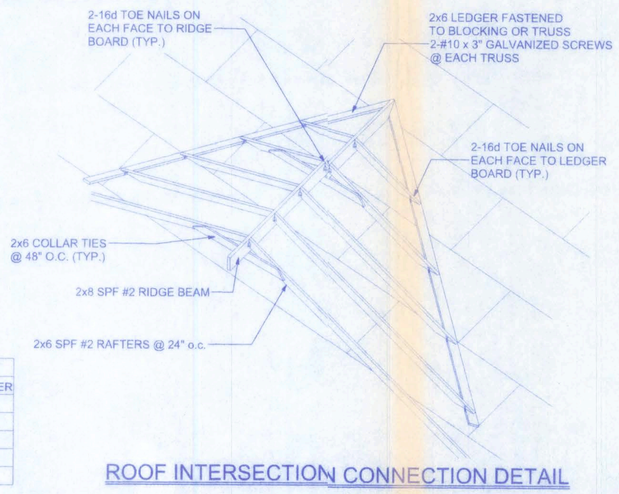


ROOF PLAN

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

CONNECTOR SCHEDULE FOR TRUSS ANCHORAGE

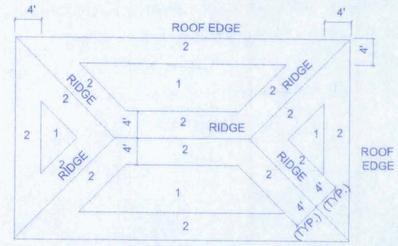
CONNECTOR	TRUSS	TOP PLATE	UPLIFT PROVIDED	MANUFACTURER
H2.5	5-8d NAILS	8d NAILS	365 LBS	SIMPSON
H10	8-8d NAILS	8d NAILS	850 LBS	SIMPSON
MTS12	7-10d NAILS	10d NAILS	1,000 LBS	SIMPSON
H16	2-10d NAILS	11-10d NAILS	1,300 LBS	SIMPSON
(2)HTS20	10-10d NAILS	11-10d NAILS	2 x 1,450 = 2,900 LBS	SIMPSON



ROOF INTERSECTION CONNECTION DETAIL

ROOF SHEATHING FASTENINGS

NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	1/2" O.S.B. OR 15/32 CDX	8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2			6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



ROOF SHEATHING NAILING ZONES (HIP ROOF)

STEEL COATING RECOMMENDATIONS IN PRESSURE TREATED WOOD:

- Thicker galvanizing generally extends service life of a product. The treated wood industry recommends use of Stainless Steel and hot-dip galvanized connectors and fasteners with treated wood.
- Due to the uncertainties, which are out of the specifiers control, in regard to the chemicals used in pressure treated wood, Simpson recommends the use of stainless steel fasteners, anchors and connectors with treated wood when possible. At a minimum, customers should use ZMAX (G185 HDG per ASTM A653), Batch/Post Hot-Dip Galvanized (per ASTM A123 for connectors and ASTM A153 for fasteners), or mechanically galvanized fasteners (per ASTM B695, Class 55 or greater), product with the newer alternative treated woods.
- G60 galvanized products should not be used with treated woods.
- G90 galvanized connectors can be used with Sodium Borate (DOT - Disodium Octaborate Tetrahydrate) treated woods. Sodium Borate Treated woods are not suitable for applications where moisture exposure is likely. They are suitable for mudsill applications when transported, stored, and installed appropriately.
- When using stainless steel or hot-dip galvanized connectors, the connectors and fasteners should be made of the same material.

Simpson Strong-Tie Product Finishes	Untreated Wood	Chromated Copper Arsenate (CCA-C)	DOT Sodium Borate (SBX)	Alkaline Copper Quat ACQ-C and ACQ-D (Carbonate)	Copper Azole (CBA-A and CA-B)	SBX (DOT) with $NASiO_2$	Ammoniacal Copper Zinc Arsenate (ACZA)	Other Pressure Treated Woods
Standard (G90)	X	X	X					
ZMAX (G185)	X	X	X	X	X	X		
Post Hot-Dip Galvanized (HDG)	X	X	X	X	X	X	X	X
SST300 (Stainless Steel)	X	X	X	X	X	X	X	X

HEADER SPANS FOR EXTERIOR BEARING WALLS

		Building Width (ft)					
		20'		28'		36'	
Headers Supporting	Size	Span	# jacks	Span	# jacks	Span	# jacks
Roof, Ceiling	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2
	3-2x8	8'-4"	1	7'-5"	1	6'-8"	1
	3-2x10	10'-6"	1	9'-1"	2	8'-2"	1
	3-2x12	12'-2"	2	10'-7"	2	9'-5"	2
	4-2x8	9'-2"	1	8'-4"	1	9'-2"	1
	4-2x10	11'-8"	1	10'-6"	1	9'-5"	1
	4-2x12	14'-1"	1	12'-2"	2	10'-11"	1

2/15/06

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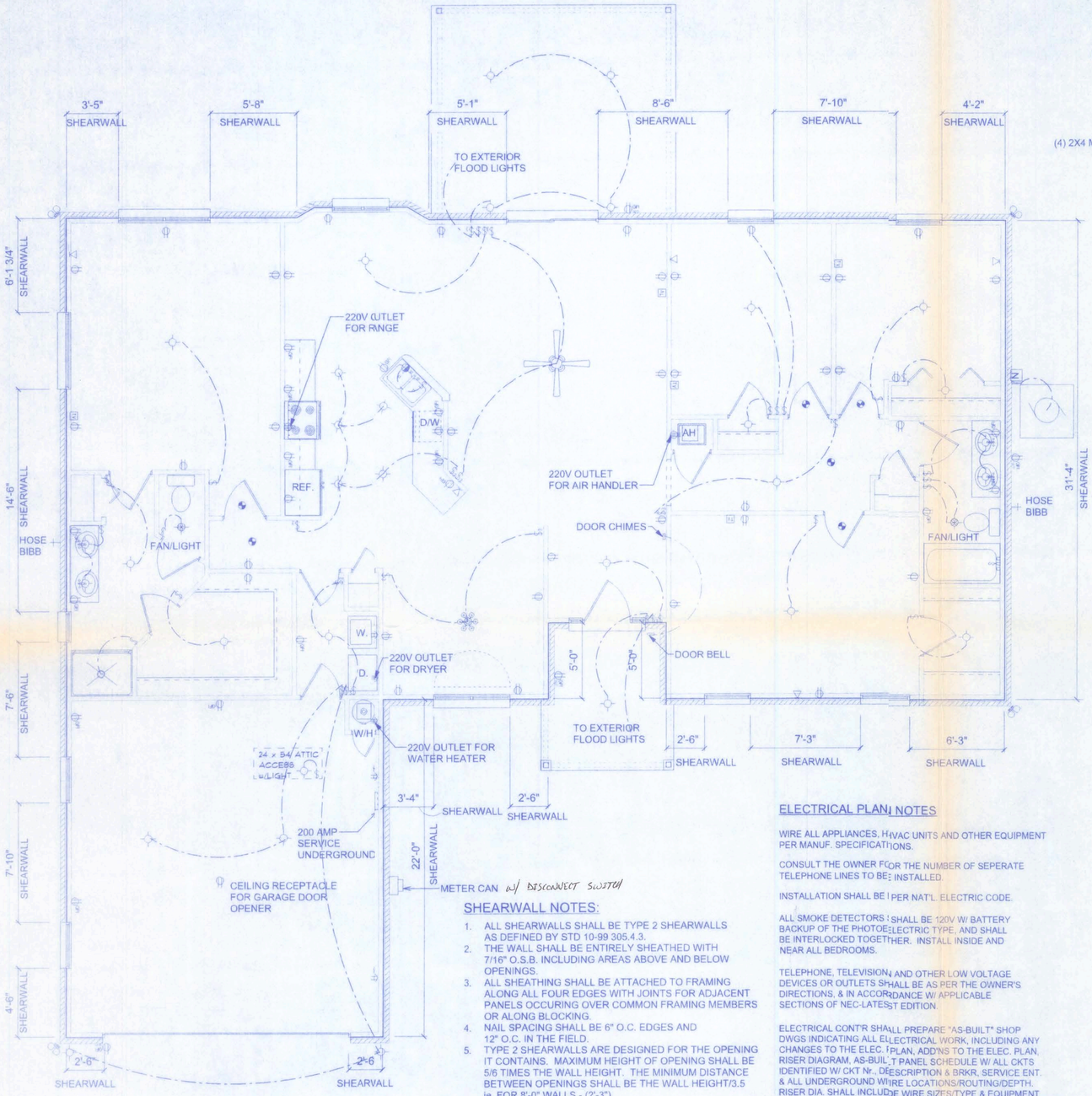


ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-99 305.4.3.
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 ie. FOR 8'-0" WALLS - (2'-3").

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

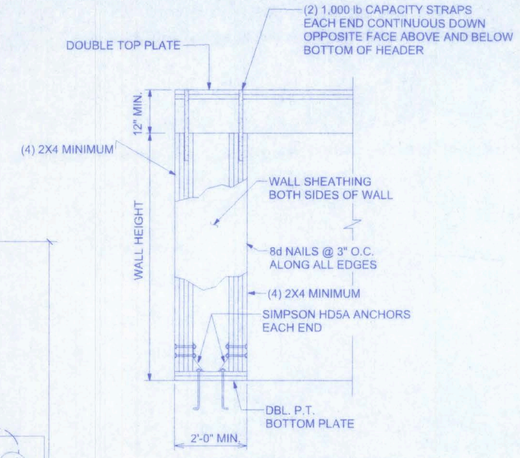
INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

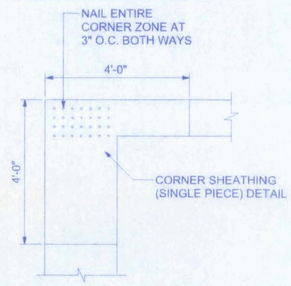
TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR. SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE:
ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT, SINGLE PHASE, 15 AND 20 AMP OUTLETS INSTALLED IN DWELLING UNIT BEDROOMS SHALL BE PROTECTED BY AN ARC FAULT CIRCUIT INTERRUPTER LISTED TO PROVIDE PROTECTION OF THE ENTIRE BRANCH CIRCUIT.

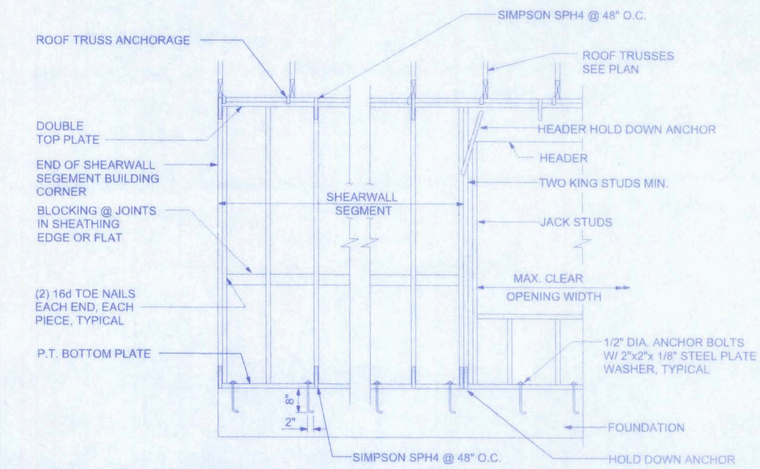


NOTE:
SHEATHING ON BOTH SIDES OF WALL DOUBLES THE EFFECTIVE SHEARWALL LENGTH



GARAGE ENDWALL DETAILS
SCALE: 1/2" = 1'-0"

ELECTRICAL	SYMBOL
ceiling fan spotlights 1	
chandelier	
double spotlight	
pot light	
electric motor	
electrical panel	
non-fused disconnect	N
50 cfm exhaust fan	
cable tv outlet	TV
incandescent light	
light	
outlet	
outlet 220v	
outlet gfi	
smoke detector	
split receptacle	
switch	$
switch 3 way	$3
telephone	
weather proof gfi	



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

ST. JOHNS MODEL
CANNON CREEK PLACE LOT# 7

161 NW MADISON ST.
SUITE 102
LAKE CITY, FL. 32055
(386)758-4209
CERTIFICATE OF AUTHORIZATION # 00008701
Freeman Design Group inc

DATE	DRAWN BY
2/14/06	V.H.F.

REVISIONS

SHEET A-5
OF 6
PROJECT NO.

DECK REQUIREMENTS:
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DICKS.

SLOPE:
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:1
OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DOUBLE UNDERLAYMENT
IS REQUIRED.

UNDERLAYMENT:
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM WITH ASTM D 226,
TYPE 1, OR ASTM D 4869, TYPE 1.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY WITH ASTM D 1970.

ASPHALT SHINGLES:
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND
COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL,
ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM
3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING
MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE ROOF SHEATHING
IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ATTACHMENT:
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR
FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDIAL SHINGLE.
WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL
METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT
OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-IC PA 107-95.

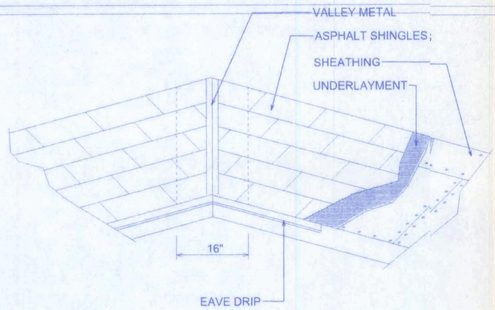
UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO
LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SIALL BE APPLIED
   PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

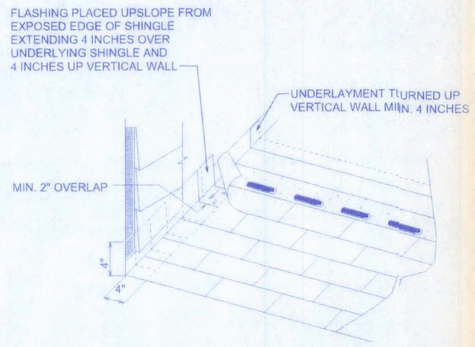
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE
   APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY
   TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE
LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION
PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY
IN PLACE.

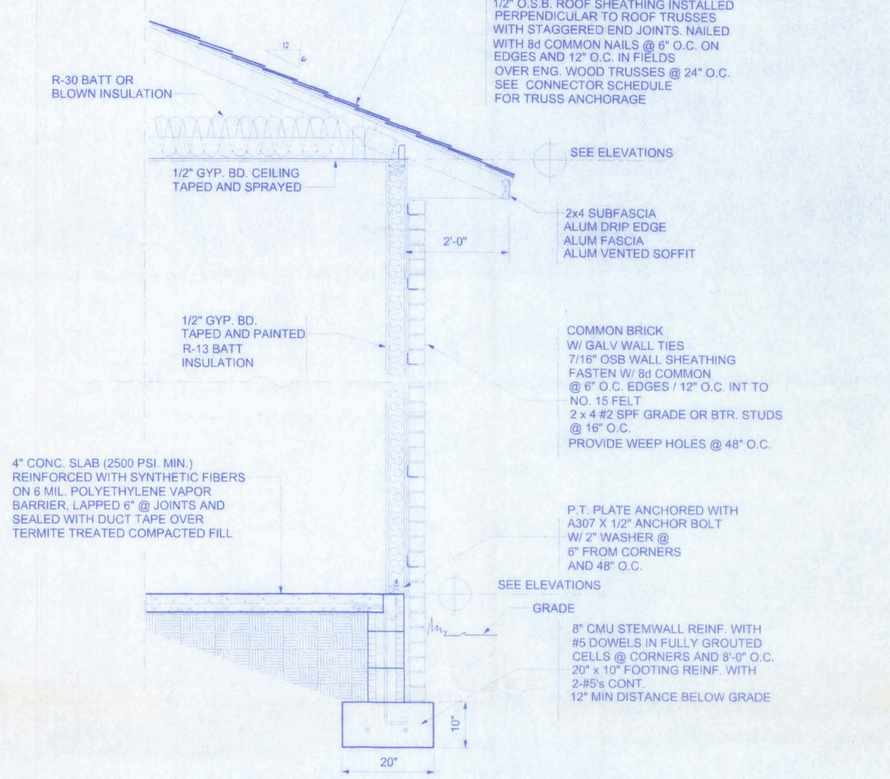
BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S
INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT
METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING
WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE
CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEYS:
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION
INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING
TYPES SHALL BE PERMITTED.
1. FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 16 INCHES
   WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN TABLE 1507.3.9.2.
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING
   SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER
   A MINIMUM OF 36 INCHES WIDE.
3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
   1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.
   2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH
      ASTM D 224.
   3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

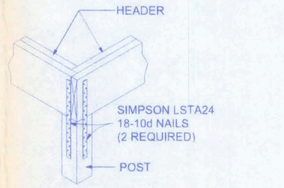




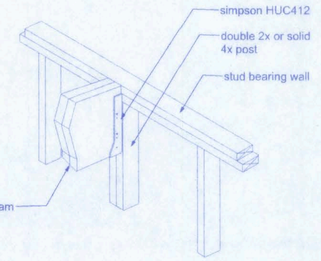
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (LB)
COPPER			1
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0179	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		2 1/2 20



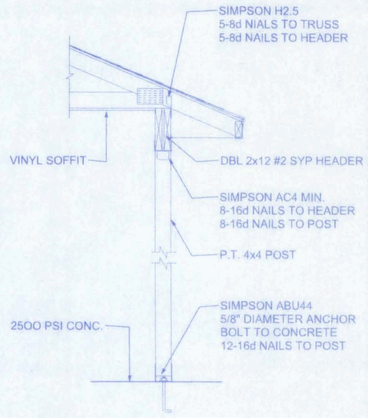
TYPICAL WALL SECTION
3/4" = 1'-0"



1 A-6 CORNER POST/HEADER DETAIL
NTS



2 A-6 BEAM/WALL CONNECTION
NTS



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

FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE
FOLLOWING LOCATIONS:

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED
   SPACES AT CEILING AND FLOOR LEVELS.

2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL
   SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.

3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF
   THE RUN.

4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT
   CEILING AND FLOOR LEVELS WITH PYROPANEL MULTIFLEX SEALANT

5. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR
   PARTITION SPACES AND CONCEALED SPACES CREATED BY ANASSEMBLY OF FLOOR
   JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT
   THE ENDS AND OVER THE SUPPORTS.

OPENING CONNECTION REQUIREMENTS

CLEAR OPENING WIDTH	HEADER SIZE #2 GRADE OR BETTER	END BEARING	CONNECTOR AT EACH END OF OPENING	ANCHORAGE TO FOUNDATION @ EACH END OF OPENING
0' - 3'	(2) 2x8	1.5"	SIMPSON H2.5	SIMPSON SPH4
>3' - 6'	(2) 2x10	3"	(1) SIMPSON LSTA30	(2) SIMPSON SPH4
>6' - 9'	(2) 2x12	3"	(1) SIMPSON LSTA30	(2) SIMPSON SPH4
>9' - 12'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	(1) SIMPSON LSTA30	(2) SIMPSON SPH4
>12' - 15'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	(2) SIMPSON LSTA30	SIMPSON HD5A
>15' - 18'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	(2) SIMPSON LSTA30	SIMPSON HD5A

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2/15/06

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CERTIFICATE OF AUTHORIZATION # 00008701
Freeman Design Group

DATE 2/14/06 | DRAWN BY W.H.F.
REVISIONS
SHEET A-6
OF 6
PROJECTING