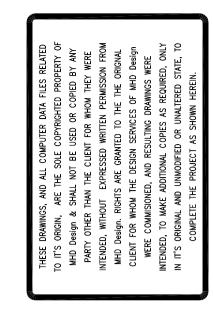
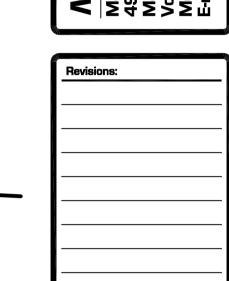


Designer claims no responsibility for deviation of, or construction methods of these plans. All information must be confirmed by contractor prior to beginning of constuction.



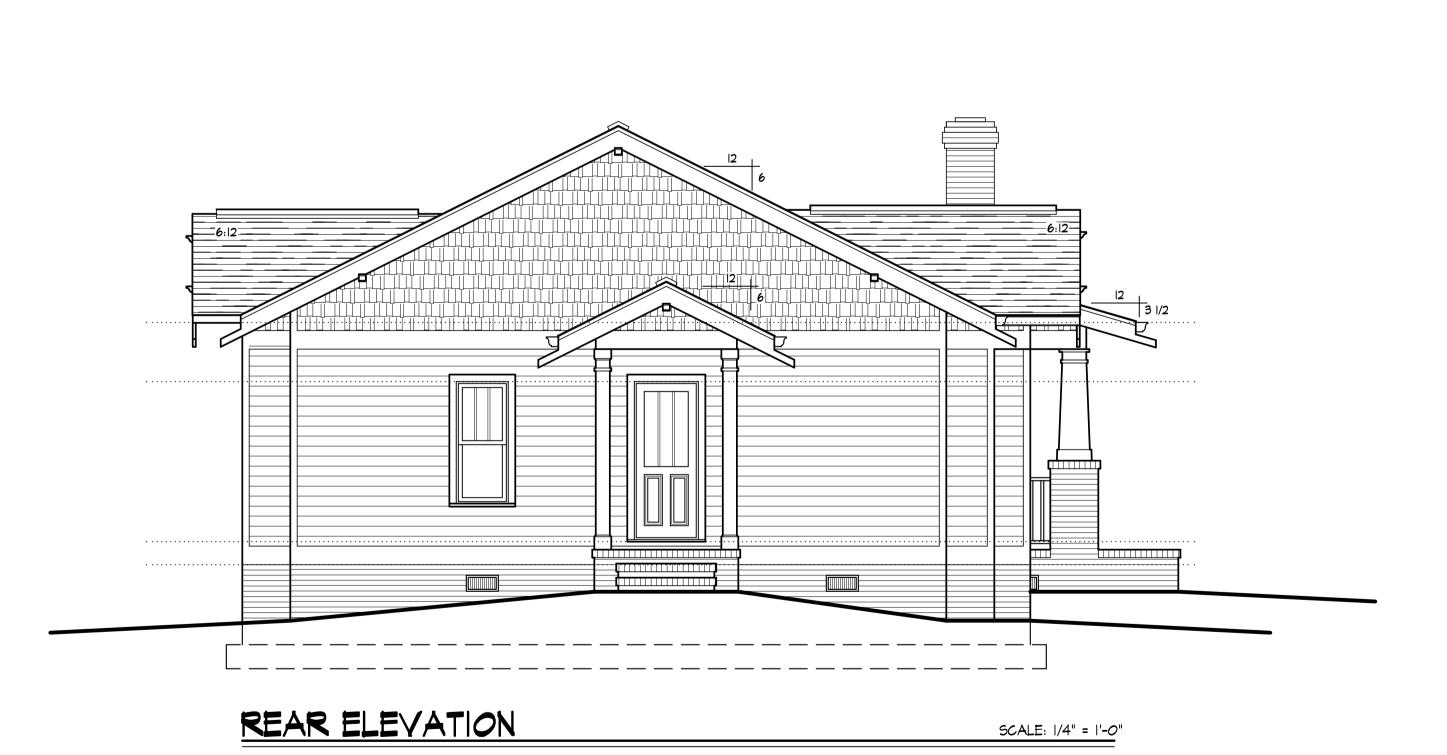












SCALE: 1/4" = 1'-0"

FRONT ELEVATION



Sheet No.
Jan 05, 2011, 10:24am
Plotted on:

EXT. ELEVATIONS
Sheet title:

AREA CALC'S

SQUARE FTG.'s Ist FLOOR HEATED TO STUD 1398 SQ. FT. 2nd FLR. HTD. O SQ. FT. TOTAL HEATED 1398 SQ. FT. FRONT & REAR PORCH'S 345 SQ. FT. 345 SQ. FT. TOTAL UNHEATED GROSS (HTD, UNHTD., PORCH & DECK, GARAGE) 1743 SQ. FT.

MALL'S

ALL INTERIOR WALLS ARE DRAWN ACTUAL 3 1/2" \$ 5 1/2" WIDE,
EXTERIOR WALLS ARE DRAWN 4" WIDE (1/2" SHEATHING
\$ 3 1/2" STUD) TYPICAL, U.N.O. ANGLED WALLS ARE DRAWN @ 45° U.N.O.

<u>EGRESS</u>

ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO EGRESS REQUIREMENTS (CABO 310.2.1). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EGRESS SIZING BASED ON CHOSEN MANUFACTURER, AS PRODUCT SIZES MAY VARY.

LOCKSET's

-ALL HEADERS ARE TO BE 2-2×IO HEADER W/ I/2" PLYWOOD CENTER GLUED & NAILED, UNLESS NOTED OTHERWISE (U.N.O.)

-PROVIDE I"x4" CROSS BRIDGING @ 1/2 SPAN OF FLOOR JOISTS, (TYPICAL). -ALL EXTERIOR DIMENSIONS ARE TO FRAMING.

-PROVIDE ADEQUATE SOLID BEARING UNDER ALL GIRDER, HEADER, AND POINT LOAD, BEARING POINTS DOWN TO FOUNDATION.

GENERAL NOTES

ALL EXTERIOR DIMENSIONS ARE PULLED FROM EXTERIOR FACE OF FRAMING U.N.O. ALLOW 5" FOR THICKNESS OF EXTERIOR BRICK VENEER.

SMOKE DETECTOR'S NUMBER AND LOCATION OF SMOKE DETECTORS SHALL CONFORM TO N.E.C.

ATTIC ACCESS ATTIC ACCESS SHALL BE PROVIDED BY BUILDER ACCORDING TO CODE.

RETURN AIR GRILL'S
RETURN AIR GRILLS TO BE INSTALLED
IN A MANNER TO PREVENT REQUIRED
NOTCHING IN BASE OR CHAIR MOULDING

THERMOSTAT'S

INSTALL THERMOSTAT LOCATIONS AS SHOWN ON PLAN.

VERIFY W/MECHANICAL CONTRACTOR AS TO PLACEMENT
OF SECOND FLOOR R.A.G.'S & THERMOSTATS.

INSTALL SUPPLEMENTAL HVAC SENSORS IN ROOMS AS
REQUIRED, VERIFY WITH GENERAL CONTRACTOR FOR
MORE INFORMATION.

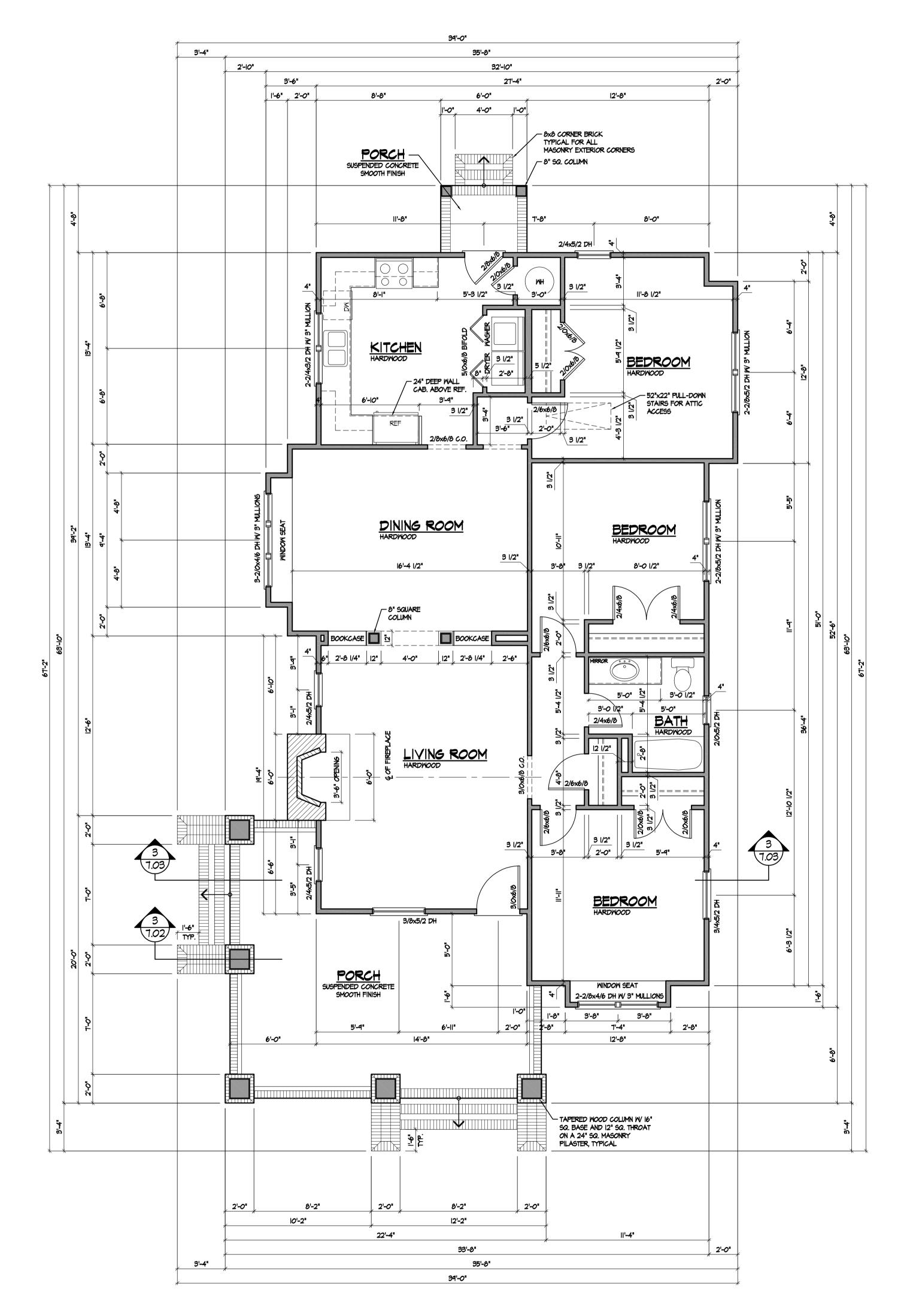
ALL EXTERIOR ENTRY DOOR TO HAVE DEADBOLTS THAT CAN ONLY BE ACTUATED WITH A KEY, NO THUMB LATCHS.

-ALL 2x BUILT UP BEAMS TO BE SYP #2 UNLESS NOTED OTHERWISE.

DESIGN DRAFTING SERVICES & BUILDING PLANS 252-827-2850

Revisions:

Jan 05, 2011, 10:23am Plotted on:



FLOOR PLAN

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

Designer claims no responsibility for deviation of, or construction methods of these plans. All information must be

confirmed by contractor prior to beginning of constuction

TYP. CORNER DETAIL

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

VERTICAL BARS HIB" MIN HOOK -18" MIN HOOK VERTICAL BARS "T" INTERSECTION DETAIL

STEPPED FOOTING DETAIL

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

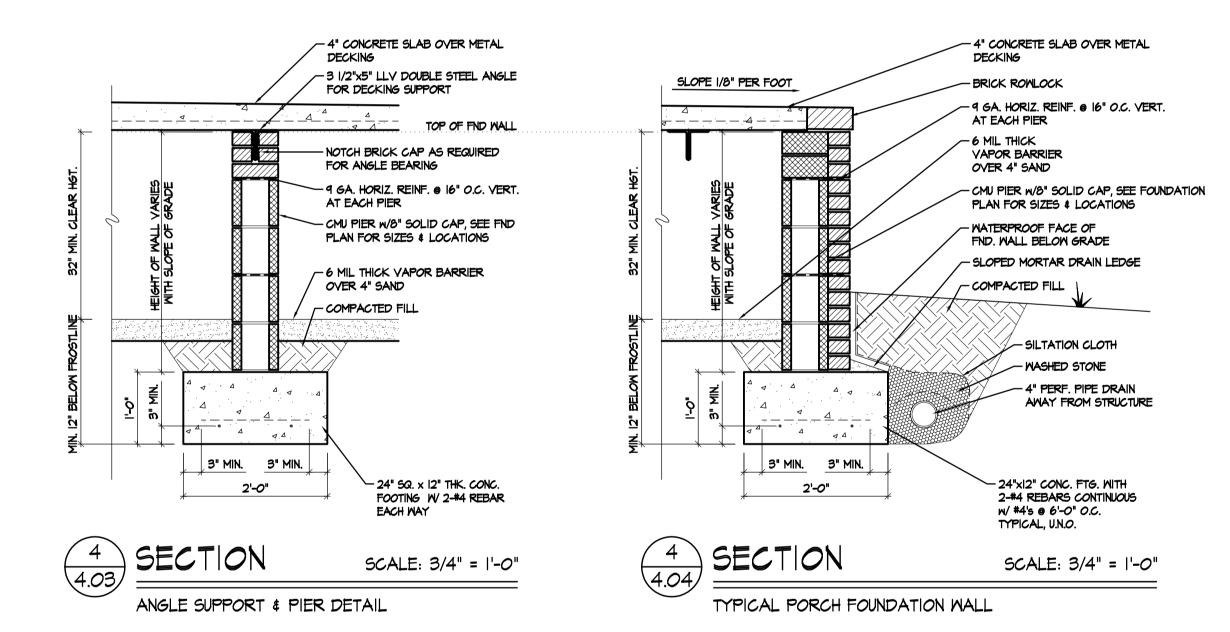
TYPICAL HOUSE FOUNDATION WALL

TYP. FTG. DETAILS

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

- VINYL SIDING - "TYVEK" HOUSE WRAP OR EQUAL OVER SHEATHING --- 1/2" WALL SHEATHING - R-13 BATT INSULATION 1/2" DRYWALL INTERIOR -FLOOR JOISTS @ 16" O.C. 2x4 FRAMED WALL -/ 2-2xIO RIM JOIST 2x4 SOLE PLATE -P.T. 2x8 SILL PLATE FINISH FLOOR -3/4" T&6 ---SUBFLOOR R-19 BATT -INSULATION \ - DROPPED PIER HEIGHT DIMENSION — 9 GA. HORIZ. REINF.

Ø 16" O.C. VERT. AT EACH PIER TOP OF EXTERIOR PIERS ∕6 MIL THICK VAPOR BARRIER OVER 4" SAND - CMU PIER W/8" SOLID CAP, SEE FOUNDATION - 3-2xIO DROPPED GIRDER PLAN FOR SIZES & LOCATIONS - 2x8 SPACER - WATERPROOF FACE OF -3/4" \$ 1/2" PLYWOOD FND. WALL BELOW GRADE SPACERS — SLOPED MORTAR DRAIN LEDGE P.T. 2x8 SILL PLATE - COMPACTED FILL PIERS UNDER 3-2x10 - SILTATION CLOTH DROPPED GIRDER - WASHED STONE - 4" PERF. PIPE DRAIN AWAY FROM STRUCTURE 3" MIN. 3" MIN. - 24"x12" CONC. FTG. WITH 2-#4 REBARS CONTINUOUS w/ #4's @ 6'-0" O.C. TYPICAL, U.N.O.



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

DROPPED GIRDER & PIER DETAIL

FOUNDATION NOTES:

PROVIDE SOLID BEARING AT ALL CONCENTRATED LOAD LOCATIONS LADDER FRAME 4"x2" @ 24" O.C. PERPENDICULAR, UNDER ALL PARTITION WALLS. SEE FIRST FLOOR FRAMING PLAN FOR FURTHER DETAIL, SHEET #7.

UNLESS NOTED OTHERWISE, ALL INTERIOR PIERS TO BE 16"x16" W 8" SOLID CAP AND 30"x30"x12" CONCRETE FOOTING W 3-#4 REBARS EACH WAY, UNLESS NOTED OTHERWISE. MAXIMUM HEIGHT OF 16"x16" HOLLOW PIERS TO BE 5'-4" MAXIMUM HEIGHT OF 16"x16" SOLID PIERS TO BE 13'-4"

BRICK LINTELS SHALL BE 3 1/2"x3 1/2"x1/4" STEEL ANGLE 8. FOR UP TO 6'-0" SPAN AND 6"x4"x5/16" STEEL ANGLE W/6" VERTICAL LEG FOR SPANS GREATER THAN 6'-O" (U.N.O.)

FND. VENT CALCS.

1740 SF / 150 = 11.60 SF REQUIRED WITHOUT VAPOR BARRIER 1740 SF / 1500 = 1.60 SF REQUIRED WITH VAPOR BARRIER 6.60 SF PROVIDED AS SHOWN

VERIFY FREE AREA OF VENTS USED AND ADJUST AMOUNT AS NEEDED.

IT IS ASSUMED THAT BUILDER WILL INSTALL .6 MIL VISQUEEN

ON OVER 75%, BUT NOT MORE THAN 80% OF THE CRAWL SPACE.

STRUCTURAL NOTES:

I. FOOTINGS & FOUNDATION WALLS

ALL FOOTINGS HAVE BEEN DESIGNED FOR AN ASSUMED BEARING CAPACITY *OF 2000#/SQFT.* ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED FILL.

ALL FILL WITHIN 10' OF BUILDING FOOTPRINT SHALL BE COMPACTED TO 95% WITH A MINIMUM LIFT OF 6". ALL FOOTINGS TO EXTEND BELOW FROSTLINE.

THE SURFACE AREA ADJACENT TO THE FOUNDATION WALL SHALL PROVIDE ADEQUATE DRAINAGE & SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. ALL FOOTINGS & SLAB ON GRADE CONCRETE SHALL BE 3000 PSI CONCRETE

(28 DAY COMPRESSION STRENGTH CONCRETE.) CONCRETE BAR REINFORCEMENT SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60. PROVIDE CORNER BARS AT ALL FOOTING CORNERS & STEPS UNLESS OTHERWISE

NOTED. BARS TO BE A MINIMUM OF 4' LONG & HAVE THE SAME SIZE & SPACING AS OTHER REINFORCING. CONTINUOUS REINFORCING BARS TO BE LAPPED 36" AT ALL SPLICES. STANDARD CONSTUCTION JOINTS & EXPANSION JOINTS SHALL BE LOCATED AS REQUIRED, VERIFY LOCATIONS W/ GENERAL CONTRACTOR.

ALL CONCRETE WORK SHALL BE PROTECTED AGAINST FREEZING FOR 7 DAYS

PROVIDE SOIL POISONING FOR TERMITE PROTECTION UNDER ENTIRE BUILDING. TREAT ALL AIRSPACES & VOID AREAS CREATED BY MASONRY TYPE CONSTRUCTION OF FOUNDATION WALLS.

2. STRUCTURAL STEEL

STRUCTURAL STEEL DETAILING, FABRICATION & ERECTION SHALL CONFORM W THE 'MANUAL OF STEEL CONSTRUCTION' LATEST EDITION FROM THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION. ALL STRUCTURAL STEEL SHALL CONFORM W ASTM A-36. ALL BOLTS ARE TO CONFORM W ASTM A325. ALL PLATE ANCHORS ARE TO CONFORM W ASTM A307.

REBARS ARE NOT PERMITTED TO BE USED AS ANCHORS. ALL EXPANSION BOLTS ARE TO BE 'HILTI'.

3. STRUCTURAL WOOD FRAMING

UNLESS NOTED ALL WOOD BEAMS, GIRDERS, SILLS, HEADERS, JOISTS, & RAFTERS ARE TO BE #2 SOUTHERN YELLOW PINE, KILNED DRIED. ALL WOOD IN CONTACT W MASONRY OR STEEL TO BE .40 WOLVANIZED. ALL WOOD POSTS TO BE .60 WOLVANIZED. ALL WOOD EXPOSED TO THE EXTERIOR EXCEPT TRIM TO BE .40 WOLVANIZED. ALL WOOD DECKING TO BE .40 WOLVANIZED - REDRIED - SYP UNLESS NOTED. WOOD STUDS MAY BE #2 SPRUCE/PINE/FIR OR #2 SYP.

AT 4'-0" O.C. MAXIMUM & RAFTERS IN ALL SPANS OVER 12'-0".

ALL FRAMING UNLESS NOTED TO BE 16" O.C. EXTERIOR CORNERS TO BE BRACED W/ 1/2" PLYWOOD OR ORIENTED STRAND BD. NOTCHING OR DRILLING OF ALL FRAMING TO COMPLY W THE N.C. BUILDING CODE VOL. VII - RESIDENTIAL - LATEST EDITION. ALL EXTERIOR FASTENERS TO BE GALVANIZED OR STAINLESS STEEL.

ALL WOOD DECKING TO BE SCREWED OR USE CONCEALED FASTENERS

PROVIDE BLOCKING IN FLOOR SYSTEMS FOR ALL SPANS OVER 8'-0", IN WALLS

MIN. 2 BEARING STUDS ARE TO BE USED UNDER EACH END OF ALL BEAMS AND HEADERS UNLESS NOTED WITH THIS SYMBOL: \square_{\times} IF BEARING LOCATION IS NOTED WITH THIS SYMBOL, IT
INDICATES THE NUMBER OF BEARING STUDS TO
BE USED. (MIN. #2 SPF UNLESS NOTED OTHERWISE)

DRAFTING SERVICES & BUILDING PLANS 252-827-2850

Jan 05, 2011, 10:24am

Designer claims no responsibility for deviation of, or construction methods of these plans. All information must be

confirmed by contractor prior to beginning of constuction

FOUNDATION PLAN



MIN. 2 BEARING STUDS ARE TO BE USED UNDER EACH END OF ALL BEAMS AND HEADERS UNLESS NOTED WITH THIS SYMBOL:

| F BEARING LOCATION IS NOTED WITH THIS SYMBOL, IT INDICATES THE NUMBER OF BEARING STUDS TO BE USED. (MIN. #2 SPF UNLESS NOTED OTHERWISE)

ALL ASPECTS OF SHINGLE INSTALLATION TO BE MET TO INSURE MANUFACTURER'S ALL EXPOSED FLASHING TO BE COPPER. ALL VALLEYS TO BE FLASHED - NO LACED SHINGLE VALLEYS. PROVIDE SHINGLE-COVERED RIDGE VENTS AT ALL RIDGES.

FRAMING NOTES:

ALL BEAMS AND HEADERS TO BE MIN. #2 SYP UNLESS NOTED OTHERWISE.

PROVIDE TRUSS BRACING AS REQUIRED BY ENGINEERED TRUSS DRAWINGS

ALL ENGINEERED TRUSSES ARE AT 24" O.C. UNLESS NOTED

ALL CONCEALED FLASHING TO BE PREFINISHED

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

CANTILEVER TRUSS

INDICATES LOCATION OF SUSPENDED SOFFIT FRAMING,

TYPICAL, SEE EXTERIOR

1'-6" TYPICAL REAR PORCH
OVERHANG DIMENSIONS

T-6

T-6

T-6

T-6

T-6

T-6

T-6

(2) 1-3/4"x9 1/4" MICROLAMS —

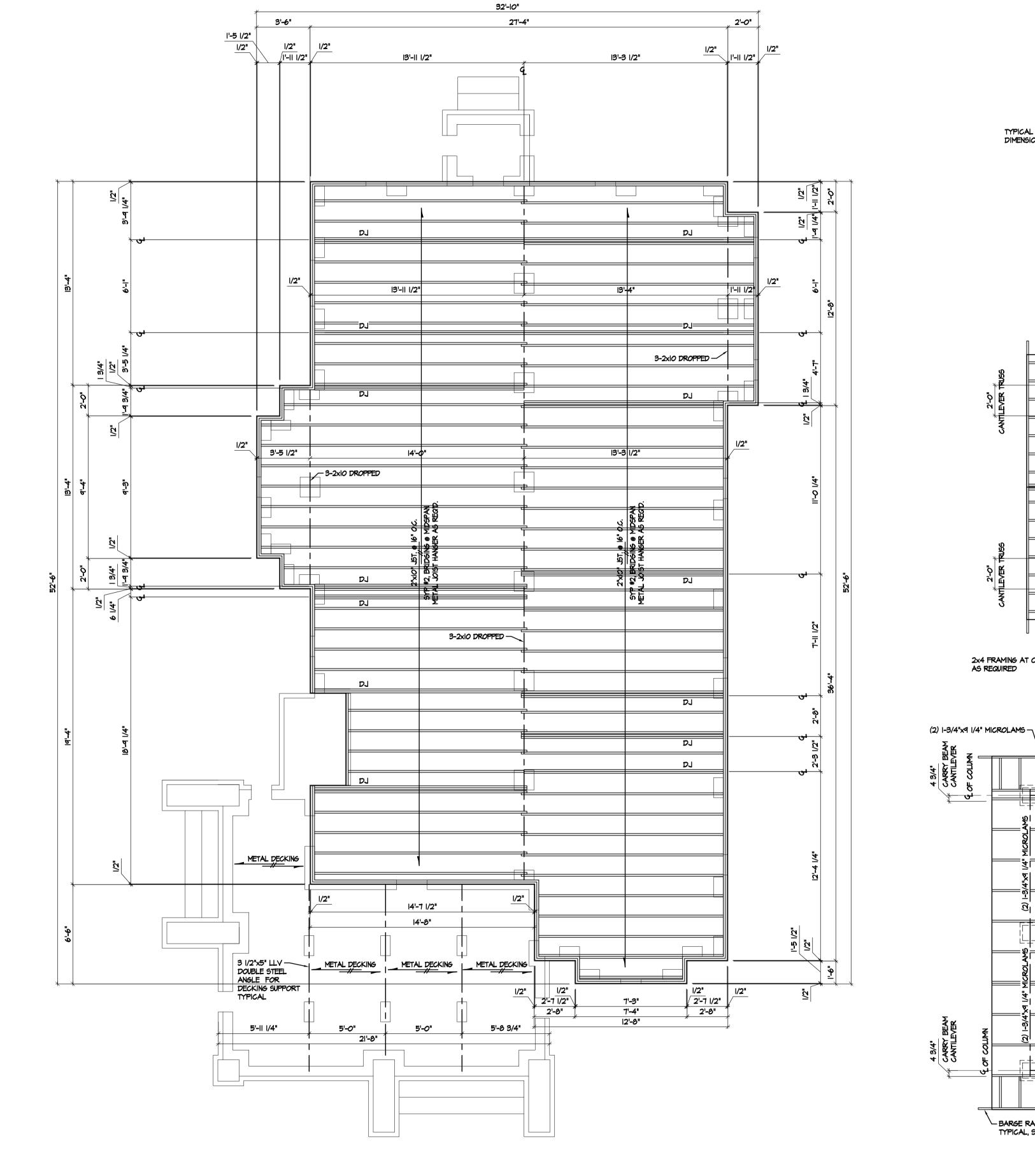
(2) 1-3/4"x9 1/4" MICROLAMS

SEE DETAIL 2/1.01 FOR BARGE -RAFTER OVERHANG PROFILE, TYPICAL

<u>___</u>_

<u>|</u>|----

2'-0" TYPICAL FRONT PORCH OVERHANG DIMENSIONS



FLOOR FRAMING PLAN

BARGE RAFTER EXTENSION,

TYPICAL, SEE DETAIL

T-4

(2) 1-3/4"x9 1/4" MICROLAMS

2x4 LOOKOUTS AT 16" O.C.,

TYPICAL OVERHANG DIMENSIONS

ROOF FRAMING PLAN

2x4 FRAMING AT CHIMNEY — AS REQUIRED

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

Designer claims no responsibility for deviation of, or construction methods of these plans. All information must be confirmed by contractor prior to beginning of constuction

Jan 05, 2011, 10:24am

Plotted on:

STRUCTURAL WOOD FRAMING

ALL WOOD POSTS TO BE .60 WOLVANIZED.

WOOD STUDS MAY BE #2 SPRUCE/PINE/FIR OR #2 SYP.

ALL FRAMING TO BE 16" O.C., UNLESS NOTED OTHERWISE.

CODE VOL. VII - RESIDENTIAL - LATEST EDITION.

MIN. 2 BEARING STUDS ARE TO BE USED UNDER EACH

MITH THIS SYMBOL: 12 INCLESS NOTED WITH THIS SYMBOL, IT INDICATES THE NUMBER OF BEARING STUDS TO BE USED. (MIN. #2 SPF UNLESS NOTED OTHERWISE)

END OF ALL BEAMS AND HEADERS UNLESS NOTED

AT 4'-0" O.C. MAXIMUM & RAFTERS IN ALL SPANS OVER 12'-0".

ALL EXTERIOR FASTENERS TO BE GALVANIZED OR STAINLESS STEEL. ALL WOOD DECKING TO BE SCREWED OR USE CONCEALED FASTENERS.

UNLESS NOTED ALL WOOD BEAMS, GIRDERS, SILLS, HEADERS, JOISTS, & RAFTERS ARE TO BE #2 SOUTHERN YELLOW PINE, KILNED DRIED.

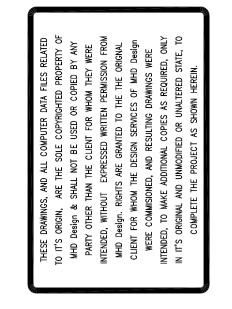
ALL WOOD IN CONTACT W/ MASONRY OR STEEL TO BE .40 WOLVANIZED.

ALL WOOD EXPOSED TO THE EXTERIOR EXCEPT TRIM TO BE .40 WOLVANIZED. ALL WOOD DECKING TO BE .40 WOLVANIZED - REDRIED - SYP UNLESS NOTED.

PROVIDE BLOCKING IN FLOOR SYSTEMS FOR ALL SPANS OVER 8'-0", IN WALLS

EXTERIOR CORNERS TO BE BRACED W 1/2" PLYWOOD OR ORIENTED STRAND BD. NOTCHING OR DRILLING OF ALL FRAMING TO COMPLY W THE N.C. BUILDING

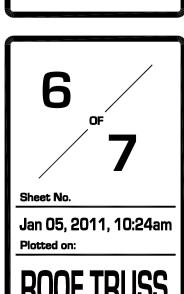
DESIGN DRAFTING SERVICES & BUILDING PLANS 252-827-2850



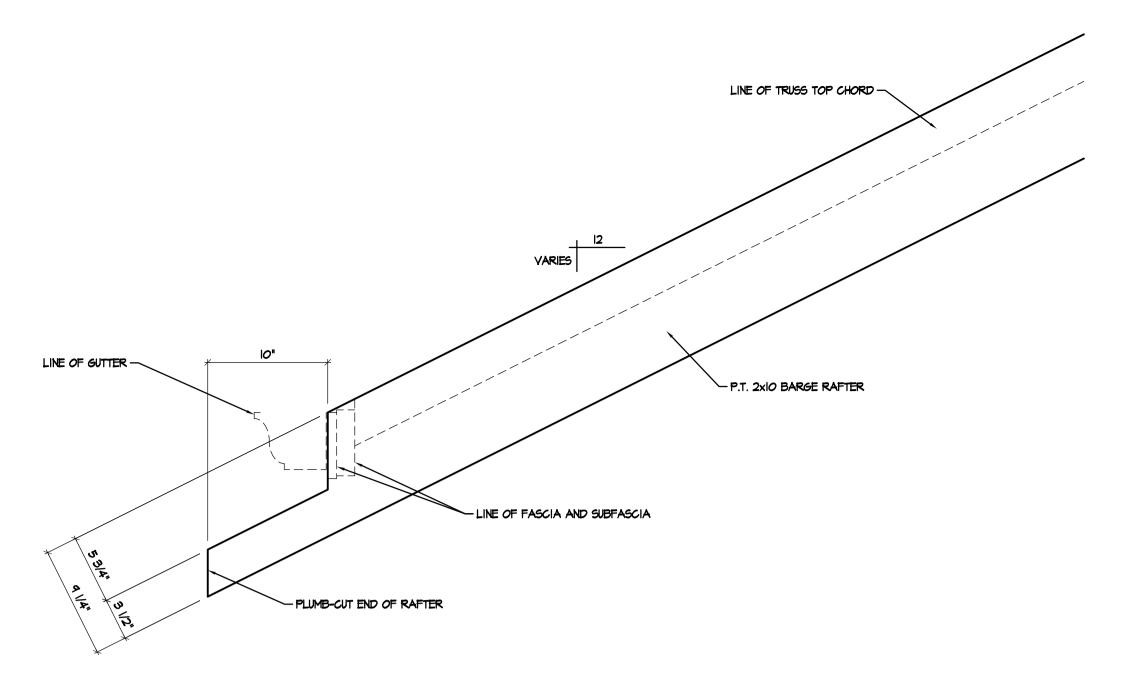








SCALE: 1/4" = 1'-0"



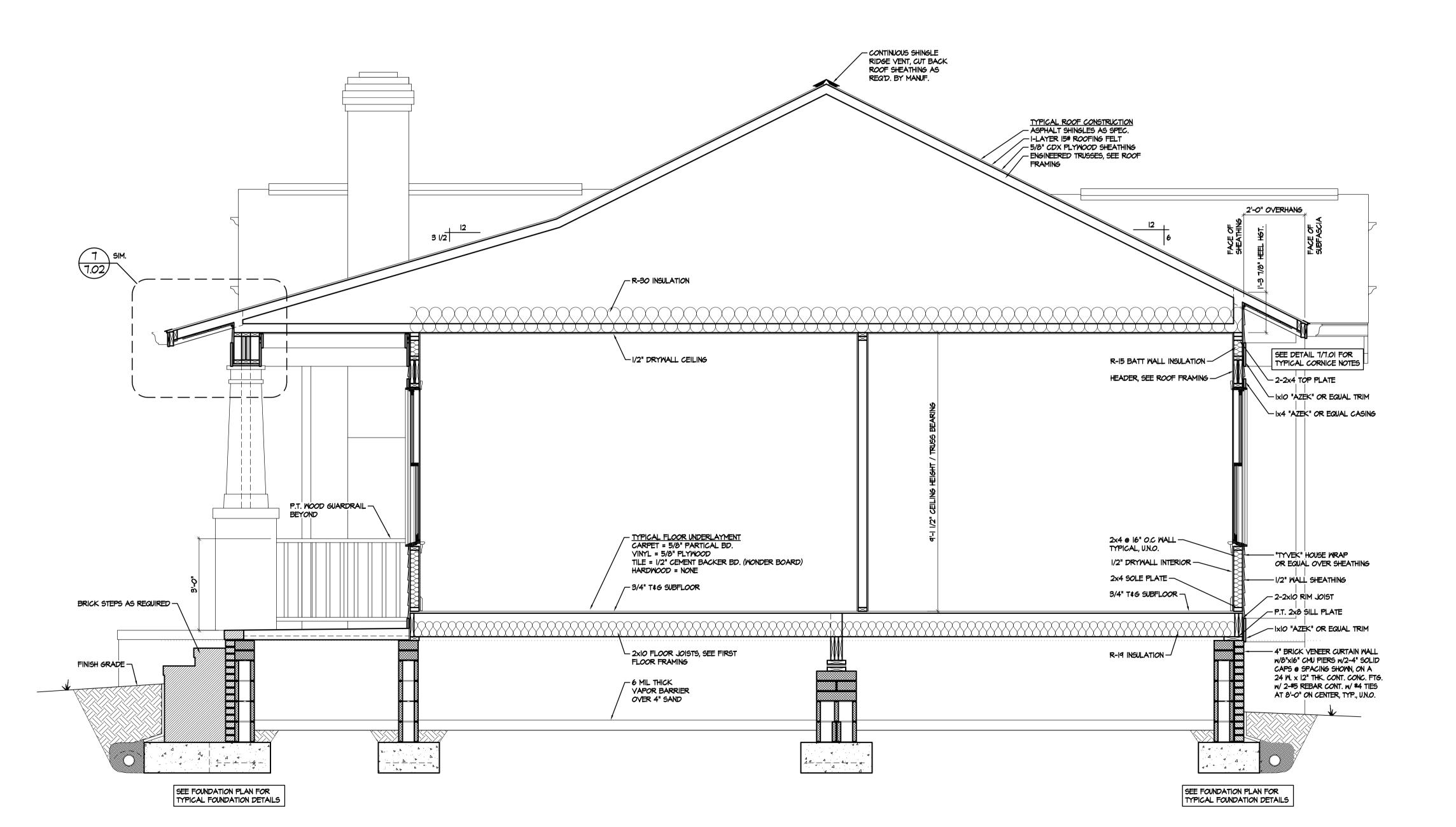
2 7.01) DETAIL

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

TYPICAL BARGE RAFTER OVERHANG PROFILE

2'-0 3/4" OVERHANG TYPICAL ROOF CONSTRUCTION
ASPHALT SHINGLES AS SPEC.
I-LAYER 15# ROOFING FELT 5/8" CDX PLYWOOD SHEATHING -ENGINEERED TRUSSES, SEE ROOF - FRAMING 3" TRUSS CANTILEVER 2x6 BLOCKING, RIP AS — "SIMPSON" H2.5 FRAMING CLIP AT EACH TRUSS, TYP. GALV. METAL DRIP EDGE — PRE-FINISHED ALUMINUM -GUTTERS AS REQ'D. - IX6 TEG V-GROOVE PORCH CEILING PANELING, TYPICAL PREFINISHED ALUMINUM ─ Ix6 "AZEK" OR EQUAL TRIM BOARD WITH IX4 NAILER RIPPED AS REQUIRED 2" CONTINUOUS ALUMINUM SOFFIT VENT-"CEDAR IMPRESSIONS" -VINYL SIDING PORCH CARRY BEAM, SEE ROOF FRAMING IX6 T&G V-GROOVE SOFFIT PANELING 1/2" PLYWOOD SHEATHING - $\times \times \times$ EXPOSED P.T. 2x6 RAFTER TAILS —— SCABBED TO EACH TRUSS TOP-CHORD OVERHANG, TYPICAL IXIO "AZEK" OR EQUAL — TRIM BOARD - IXIO "AZEK" OR EQUAL IXI2 "AZEK" *O*R EQUAL — TRIM BOARD, RIP AS REQUIRED -2x4 "AZEK" OR EQUAL COLUMN TRIM 2x4 SUSPENDED FRAMING 2-2x8 BLOCKING WITH — 1/2" PLYWOOD CENTER AS REQUIRED `— Ix2 "AZEK" *O*R EQUAL COLUMN TRIM CONNECT PORCH POSTS TO BEAM WITH (4) "SIMPSON" 1'-O" COLUMN THROAT A-35 CONNECTORS AT EACH POST LOCATION -4x4 P.T. WOOD PORCH POST, TYPICAL - "AZEK" OR EQUAL COLUMN BOXING AS REQUIRED, TYP. 1'-4" COLUMN BASE (3) P.T. 2x6 NAILERS, SECURE — AS REQUIRED TO MASONRY COLUMN BASE - "SIMPSON" ABU44 POST BASE SECURED TO POST AS SPECIFIED BY MANF. AND SECURED TO MASONRY COLUMN BASE WITH 5/8"x8" ANCHOR BOLT /- Ix6 "AZEK" OR EQUAL COLUMN-BASE TRIM FILL TOP COURSE OF CMU — SOLID WITH CONCRETE, FILL UNTIL FLUSH WITH TOP OF RONLOCK - BRICK ROWLOCK CMU COLUMN BASE WITH 9 — GAUGEHORIZONTAL REINF. AT 16" O.C. VERT., MAXIMUM SEE FND. PLAN 4" BRICK VENEER TIED TO HORIZONTAL REINFORGING AT 16" O.C. MAXIMUM, TYP.

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



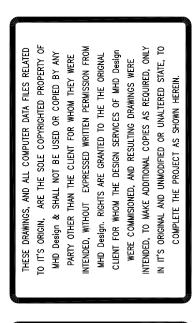
SECTION

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

7
Sheet No.
Jan 05, 2011, 10:25am
Plotted on:

Designer claims no responsibility for deviation of, or construction methods of these plans. All information must be confirmed by contractor prior to beginning of constuction.





MHD Design

Mac Morgan
4970 NC Hwy. 42 West
Macclesfield, North Carolina 27852
Voice+Fax 252.827.8115
Mobile 252.813.3491
E-mail mmorgan@mhddesign.com

