

3/8" SHEAR WALL SCHEDULE						
SHEAR WALL SYMBO	SHEAR PLY	EDGE NAIL (E.N.) SPACING	3x STUDS AT ADJOINING PANEL EDGES	3x PLATE REG.	NAILS / SCREENS AT SOLE PLATE SHEAR TRANSFER	ANCHOR BOLT SPACING
△	1/2"	8d AT 6" O.C.	NO	NO	1/4" AT 6" O.C.	48" O.C.
△	1/2"	8d AT 4" O.C.	NO	NO	1/4" AT 4" O.C.	48" O.C.
△	1/2"	8d AT 3" O.C.	YES	YES	SDS 1/2" AT 8" O.C.	44" O.C.
△	1/2"	8d AT 2" O.C.	YES	YES	SDS 1/2" AT 6" O.C.	34" O.C.
△	(2) 1/2"	8d AT 3" O.C. B/S	YES	YES	SDS 1/2" AT 4" O.C.	22" O.C.

NOTE:
 - USE COMMON NAILS, FIELD NAIL AT 12" O.C. U.N.O.
 - USE 3" STRUCTURAL 1 OR RATED EQUIVALENT, T1-III SIDING IS ACCEPTABLE.
 - EDGE NAIL AT TOP PLATE, MID SILL, ALL POSTS, SOLE PLATES AND ALL STUDS W/ HOLDDOWNS.
 - USE SIMPSON MSTC2 TO STRAP ACROSS TOP PLATE BREAKS, U.N.O.
 - PROVIDE BLOCKING AT ALL HORIZONTAL EDGES OF SHEAR PLYWOOD.
 - DOUBLE SHEAR WALLS TO HAVE SHEAR PLY BOTH SIDES (OFFSET PLYWOOD EDGES).
 - PROVIDE 3/4" DIAMETER ANCHOR BOLTS AT DESIGNATED SPACING, (2) ANCHOR BOLTS PER BOARD MINIMUM, 12" FROM ENDS MAXIMUM, ANCHOR BOLTS SHALL HAVE A MIN. OF 7" EMBED. INTO CONC.
 - PROVIDE DOUBLE RIF JOISTS (2) 1/2" MIN. NAILED TOGETHER W/ (2) ROWS OF 8d AT 3" O.C. STAGGERED.

CONTINUOUS FOOTINGS:			
CALLOUT	WIDTH	DEPTH	STEEL (CONTINUOUS)
12	12"	10"	(2) #4 BARS CONT.
14	14"	10"	(2) #4 BARS CONT.
18	18"	10"	(2) #4 BARS CONT.
20	20"	10"	(2) #4 BARS CONT.
24	24"	10"	(2) #4 BARS CONT.

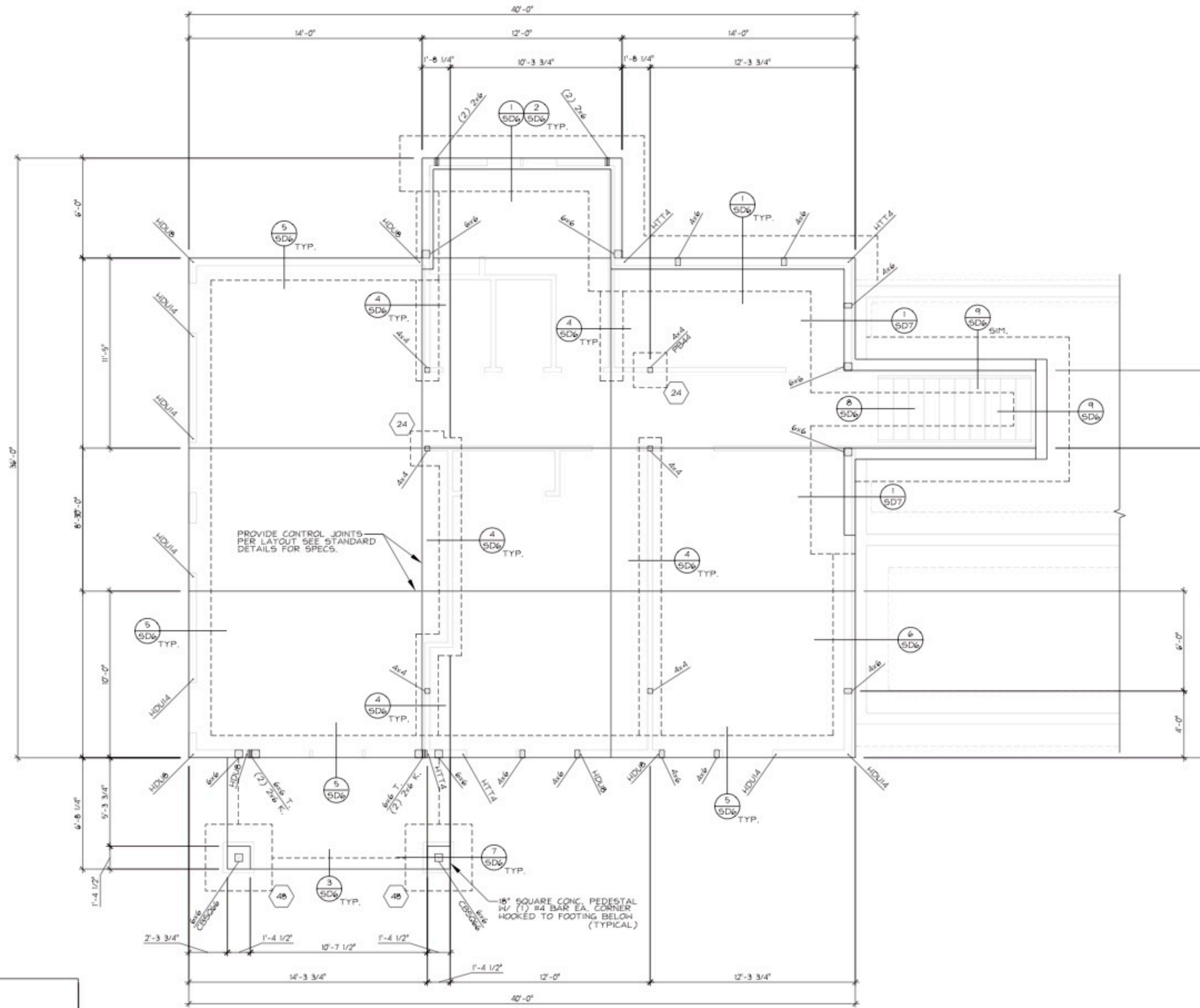
NOTE:
 - USE 3000 PSI CONCRETE FOR ALL FOOTINGS, U.N.O. DESIGN BASED ON 2500 PSI CONC. NO SPECIAL INSPECTION REQUIRED.
 - USE ASTM A-615 GRADE 60 REBAR, U.N.O.
 - REBAR SHALL BE 3" CLEAR, TYPICAL.

SPREAD FOOTINGS:			
CALLOUT	WIDTH (EACH WAY)	DEPTH	STEEL (EACH WAY)
18	18"	10"	(2) #4 BARS E/W
24	24"	10"	(3) #4 BARS E/W
32	32"	12"	(4) #4 BARS E/W
36	36"	12"	(5) #4 BARS E/W
42	42"	12"	(6) #4 BARS E/W
48	48"	14"	(7) #4 BARS E/W
60	60"	14"	(8) #4 BARS E/W
72	72"	16"	(10) #4 BARS E/W

NOTE:
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 - USE ASTM A-615 GRADE 60 REBAR, U.N.O.
 - REBAR SHALL BE 3" CLEAR, TYPICAL.

FOUNDATION HOLDOWN SCHEDULE:						
(ALSO SEE CURRENT SIMPSON STRONG-TIE CATALOG)						
HOLDOWN	DIMENSION	MINIMUM POS. THICKNESS	SCREENS BOLTS OR NAILS	THREADED-ROD OPTION		RETRO-FIT OPTIONS
				ANCHOR DIA. W/ 1/2" x 3/4" W/ WASHER	WASHER EMBED.	
				SINGLE POUR	DBL. POUR	
HTT4	1 1/2"	3"	(8) 1/4"	12"	14"	95TB4 95TB20 10" EMBED. 1/2" W/ SET EPOXY
HDUB	1 1/2"	3 1/2"	(20) 1/2" x 2 1/2" SDS SCREENS	1/2"	14"	95TB28 95TB34 N/A 1/2" W/ EMBED.
HDUI	1 1/2"	5 1/2"	(30) 1/2" x 2 1/2" SDS SCREENS	1"	3" FROM BTM. OF FOOTING	95B30 95B30 N/A 1" W/ 15" EMBED.
HDUI4	1 1/2"	5 1/2"	(36) 1/2" x 2 1/2" SDS SCREENS	1"	3" FROM BTM. OF FOOTING	95B30 95B30 N/A N/A

NOTE:
 - INSTALL ALL HOLDOWNS PER SIMPSON SPECIFICATIONS, MAINTAINING REQUIRED EDGE DISTANCES.
 - DOUBLE STUDS TO BE CONNECTED BY (2) ROWS OF 1/4" NAILS AT 4" O.C. STAGGERED.
 - SPECIAL INSPECTION IS REQUIRED AT ALL EPOXY-SET RETRO-FIT ANCHORS. CONTACT ENGINEER OF RECORD TO SCHEDULE.
 - C IS THE DIMENSION TO THE CENTERLINE OF THE ANCHOR BOLT HOLE IN THE HOLDOWN.



Foundation Plan:

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

STRUCTURAL LEGEND:	
BEAM/HEADER:	CALLOUT
TRUSS/RAFTER:	CALLOUT
FLOOR JOIST:	CALLOUT
CONCRETE BEAM:	CALLOUT
LEDGER:	CALLOUT
POST:	CALLOUT
HANGER:	CALLOUT
BOLT HOLDOWN:	CALLOUT
STRAP HOLDOWN:	CALLOUT
KT WALL:	CALLOUT
STEM WALL:	CALLOUT
SHEARWALL:	CALLOUT
DOUBLE SHEARWALL:	CALLOUT
CONCRETE WALL:	CALLOUT
CONTINUOUS FOOTING:	CALLOUT
SPREAD FOOTING:	CALLOUT

ADDITION/REMODEL NOTES:
 THIS PROJECT IS AN ADDITION/REMODEL OF AN EXISTING STRUCTURE. THE STRUCTURAL DESIGN FOR THE PROJECT HAS BEEN BASED ON THE BEST AVAILABLE INFORMATION RELATIVE TO THE AS-BUILT FRAMING CONDITIONS AT THE TIME OF ORIGINAL CONSTRUCTION. ALL ASSUMED EXISTING INFORMATION SHALL BE VERIFIED BY THE CONTRACTOR AT THE TIME OF INITIAL DEMOLITION. ALL PARTIES SHALL ANTICIPATE THE POTENTIAL NEED FOR MODIFICATIONS TO THE INITIAL DESIGN IN ORDER TO ACCOMMODATE ACTUAL FIELD CONDITIONS. ALL DISCREPANCIES DISCOVERED IN THE FIELD SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND COLOVICH ENGINEERING IMMEDIATELY.

WALL FRAMING NOTES:
SILL PLATES (SEE SHEAR WALL SCHEDULE FOR SILL PLATE THICKNESS):
 USE 2x PRESSURE TREATED LUMBER, TYPICAL U.N.O. OR TIMBERSTRAND LSL TREATED SILL PLATES PER (CBO ESR-108). ALL ANCHOR BOLT WASHERS SHALL BE 9"x3" PLATE WASHERS. SEE SHEAR WALL SCHEDULE FOR PLATE THICKNESS.
WALL FRAMING:
 - ALL 2x4 WALLS SHALL BE FRAMED WITH 2x4 DF #2 STUDS AT 16" O.C. U.N.O.
 - ALL 2x4 WALLS SHALL BE FRAMED WITH 2x4 DF #2 STUDS AT 16" O.C. U.N.O.
BRIDGING / BLOCKING:
 ALL STUD PARTITIONS OR WALLS OVER 10 FEET HIGH SHALL HAVE 2x BRIDGING, THE SAME WIDTH AS THE STUDS, PREFERABLY AT MID-HEIGHT, BUT NOT TO EXCEED INTERVALS OF 8 FEET.
TRIMMERS:
 - PROVIDE DBL. TRIMMERS AND DBL. KINGS AT OPENINGS GREATER THAN 4'-0" IN 2x4 WALLS, TYPICAL, UNLESS NOTED OTHERWISE.
 - PROVIDE DBL. TRIMMERS AND DBL. KINGS AT OPENINGS GREATER THAN 5'-0" IN 2x6 WALLS, TYPICAL, UNLESS NOTED OTHERWISE.
HEADERS, POSTS AND TRIMMERS:
 SEE PLANS FOR SIZE AND LOCATION.

FOUNDATION NOTES:
STEM WALL AND FOOTING:
 8" WIDE CONCRETE STEM WALL W/ (1) #4 CONTINUOUS AT TOP AND 1/2" VERT. AT 30" O.C. HOOKED INTO FOOTING BELOW W/ ALTERNATE HOOKS. CONTINUOUS FOOTING SHALL BE 8" WIDE x 12" THICK W/ (2) #4 BARS CONTINUOUS AT BOTTOM, TYPICAL UNLESS NOTED OTHERWISE.
SILL PLATES (SEE SHEAR WALL SCHEDULE FOR SILL PLATE THICKNESS):
 USE 2x PRESSURE TREATED LUMBER, TYPICAL U.N.O. OR TIMBERSTRAND LSL TREATED SILL PLATES PER (CBO ESR-108). ALL ANCHOR BOLT WASHERS SHALL BE 9"x3" PLATE WASHERS. SEE SHEAR WALL SCHEDULE FOR PLATE THICKNESS.
ANCHOR BOLTS (SEE SHEAR WALL SCHEDULE FOR ANCHOR BOLT SPACING):
 1/2" DIAMETER ANCHOR BOLTS AT 4'-0" MAXIMUM SPACING, U.N.O. (2) ANCHOR BOLTS PER BOARD MINIMUM, 12" FROM ENDS MAXIMUM, ANCHOR BOLTS SHALL HAVE A MINIMUM OF 7" EMBEDMENT INTO CONCRETE. ALL ANCHOR BOLT WASHERS SHALL BE 9"x3" PLATE WASHERS. SEE SHEAR WALL SCHEDULE FOR ANCHOR BOLT SPACING.
SLAB ON GRADE:
 TYPICAL SLAB ON GRADE SHALL BE 4" THICK CONCRETE W/ #3 BARS AT 18" O.C. EACH WAY, CENTERED IN SLAB. PLACED OVER 2" CLEAN SAND, OVER 6-MIL VAPOR BARRIER W/ JOINTS LAPPED LESS THAN 12". OVER 4" CLEAR 3/4" CRUSHED ROCK COMPACTED TO 95% RELATIVE COMPACTION, OVER APPROVED SUBGRADE. TYPICAL UNLESS NOTED OTHERWISE.
DIMENSIONS:
 BUILDING DIMENSIONS SHOWN ARE FOR GENERAL REFERENCE ONLY. SEE THE ARCHITECTURAL DRAWINGS (S.A.D.) FOR ACTUAL BUILDING DIMENSIONS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT SO CLARIFICATION CAN BE MADE. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR AND ANY DISCREPANCIES SHALL BE SUBMITTED TO THE ENGINEER AND ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION.

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Revisions:

Structural Foundation Plan

Drawn:	TWC	Sheet:	S-1
Date:	03/01/10	Checked:	TWC
Job:	004_10		