

CONCRETE / MASONRY / METALS GENERAL NOTES:

1. DESIGN SOIL BEARING PRESSURE: 1500 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
6. CONCRETE SHALL BE STANDARD MIX F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F'm = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
11. 2X4 P/T WOOD SILL, CONT., ALL AROUND, W/ 5/8"~ A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 12-16" FROM EACH CORNER, EA. WAY, & WITHIN 8-12" FROM ALL WALL OPENINGS / ENDS - 1/2"~ A.B. W/ 2" SQ. WASHERS ALONG EACH RUN @ 48" O.C., MAX. - ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE.



4" THK. 3000 PSI CONCRETE SLAB
W/ FIBERMESH CONCRETE ADDITIVE,
OVER TREATED, CLEAN COMPACTED FILL

8" CMU BOND BEAM W/#5 BAR
CONT/25" MIN. LAP

#5 DOWELS @ 48" O.C. MA

2500 PSI CONC.
FOOTING

2-#5 BARS CONTINUOUS
ON WIRE OR
PLASTIC CHAIRS

8" CMU

10" = 3" + 7"

7" 6" 7"

20"

#5 ELLS X 18" X 18"
@ 48" O.C. MAX.

SECTION

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

4" THK. 3000 PSI CONCRETE SLAB
W/ FIBERMESH CONCRETE ADDITIVE,
OVER TREATED, CLEAN COMPACTED FILL

1.5"

#5 ELLS X 18" X 18"
@ 48" O.C. MAX.

8" CMU

#5 DOWELS @ 48" O.C. MAX.

2500 PSI CONC.
FOOTING

10"

3" Σ

7" 6" 7"

20"

2-#5 BARS CONTINUOUS
ON WIRE OR
PLASTIC CHAIRS

INTERIOR
BEARING FT'G

PORCH / CARPORT STEMWALL DETAIL

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

NOTE!: VERIFY INTERIOR BEARING WALLS WITH TRUSS MANUFACTURE DRAWINGS! USE DETAIL "B" THIS PAGE AT ALL INTERIOR BEARING LO

Architectural floor plan of a house showing exterior dimensions, interior rooms, and construction details. The plan includes a garage, kitchen, dining, living room, and bathroom. It features a 4-inch step down at the entrance, a 4-inch step down in the kitchen/dining area, and a 3/4-inch deep recess at the garage door. Construction details include Simpson ABU66 headers, stemwall reinforcing, and a continuous bond beam. Material specifications for the slab and stem walls are also provided.

Exterior dimensions: 64'-8" wide by 12'-0" deep. Interior rooms include a garage, kitchen, dining, living room, and bathroom. Construction details include Simpson ABU66 headers, stemwall reinforcing, and a continuous bond beam. Material specifications for the slab and stem walls are also provided.

Key dimensions and details:

- Exterior dimensions: 64'-8" wide by 12'-0" deep.
- Interior rooms: Garage (23'-4" x 11'-8"), Kitchen (11'-8" x 11'-0"), Dining (11'-8" x 11'-0"), Living Room (13'-8" x 22'-0"), Bath (5'-8" x 7'-0"), and a central area (23'-4" x 13'-0").
- Step downs: 4" STEP DOWN at the entrance, 4" STEP DOWN in the kitchen/dining area, and 3/4" DEEP RECESS @ GARAGE DOOR.
- Construction details:

 - Header:** SIMPSON ABU66.
 - Reinforcing:** PROVIDE STEMWALL REINFORCING AS PER DETAILS A, THIS SHEET, AT 48" O.C. ALONG ALL EXTERIOR WALLS AND ALL CORNERS - PROVIDE A CONTINUOUS BOND BEAM AS PER THE DETAIL A, W/I #5 REBAR, CONT., ALL AROUND TOP OF STEMWALL.
 - Slab:** 4" SMOOTH STEELED TROWLED CONC. SLAB, W/ FIBERMESH REINFORCING, OVER 6 MIL PLASTIC SHEETING, ON CLEAN, WELL COMPAKTED SAND FILL, TERMITE TREATED. NOTE! LAP EDGES OF 6 MIL VAPOR BARRIER MIN. 6" - SEAL ALL JOINTS, TEARS AND PIPING PENETRATIONS WITH DUCT TAPE.
 - Stemwall:** 8" CMU STEM WALL ON Poured CONCRETE FOOTING, REFER TO SCHEDULE FOR SIZE. PROVIDE STEMWALL REINF'G PER A/S.1.
 - Footings:** PROVIDE A 20"x10" X CONTINUOUS CONCRETE FOOTING W/ 2 #5 REBAR, BOTTOM & 1 #3 REBAR, TRANSVERSE, @ 48" O.C. - UNDER ALL PERIMETER WALLS OF HOUSE.

FOUNDATION PLA

SCALE: 1/4" =

NOTE:
THE DESIGN WIND SPEED FOR THIS
PROJECT IS 130 MPH PER FBC 1609
AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFT
EA. LIFT SHALL BE COMPACTED TO 98%
COMPACTION PER THE "MODIFIED PROC
METHOD.

NOTE:
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE 1 COPY OF AS BUILT PLUGS TO OWNER AND

SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

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SHEET NUMBER
S.1
OF 4 SHEETS

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