

**SECOND FLOOR FRAMING PLAN**  
SCALE: 1/8" = 1'-0"

**LEGEND:**  
 ◀ MOMENT CONNECTION  
 --- DENOTES FLANGE BRACING  
 E.O.S. = EDGE OF SLAB (2ND FLOOR)  
 T.O.S. = 1'-3 1/2" U.N.O.  
 ▬ PLAN VIEW OF BEAM

**STEEL LINTEL SCHEDULE**

CLEAR OPENING	ONE ANGLE FOR EA. 4" FOR 4", 8", & 12" WALLS	6" WALL	10" WALL	MIN. BRG.	TYPICAL DETAILS (N.T.S.)
0'-8" TO 3'-4"	L 3 1/2" X 3 1/2" X 1/4"	WT5 X 6	(2) L5 4 X 4 X 1/2"	4"	
3'-4" TO 5'-4"	L 4" X 3 1/2" X 1/4" LLV	WT5 X 6	(2) L5 4 X 4 X 3/8"	6"	
5'-4" TO 7'-4"	L 5" X 3 1/2" X 3/8" LLV	WT7 X 11	(2) L5 6 X 4 X 1/2"	8"	
7'-4" TO 10'-0"	L 6" X 3 1/2" X 3/8" LLV	WT7 X 13	(2) L5 6 X 4 X 3/8"	8"	

**NOTES:**  
 1. WHERE LINTELS BEAR ON HOLLOW MASONRY UNITS FILL ALL CORES UNDER BEARING WITH GROUT FROM BOTTOM OF LINTEL TO 16" MINIMUM BELOW LINTEL.  
 2. THESE LINTELS ARE NOT DESIGNED FOR MASONRY WALLS THAT CARRY FLOOR LOAD.

**HEADER SCHEDULE**

DESIGNATION	HEADER TYPE	HEADER CONSTRUCTION	HEADER SKETCH	SILL CONSTRUCTION (IF APPLICABLE)	SILL SKETCH	KING STUD	KING STUD SKETCH	KING STUD CONNECTION
⊠	BOX	(2) 600T150-54 (T&B) (2) 600S200-54 (L&R)		(1) 600T200-54 (TOP) (1) 600S200-54 (BOT)		(2) 600S250-68 WELDED TOGETHER		VERTICLIP S15-600 (16 GA.) (FY=50) (3 SCREWS)
⊠	BOX	(2) 600T150-54 (T&B) (2) 600S200-54 (L&R)		(1) 600T200-54 (TOP) (1) 600S200-54 (BOT)		(2) 600S250-68 WELDED TOGETHER		VERTICLIP S15-600 (16 GA.) (FY=50) (3 SCREWS)
⊠	BEAM	W10x26 w/ 3/8" x 1 1/2" WIDTH OF OPENINGS, PROVIDE 3/8" STIFFENER PL. @ 24" O.C.		N/A	N/A	H55 5x5x3/8"		N/A
⊠	BEAM	W10x30 w/ 3/8" x 1 1/2" WIDTH OF OPENINGS, PROVIDE 3/8" STIFFENER PL. @ 24" O.C.		N/A	N/A	H55 5x5x3/8"		N/A
⊠	BOX	(2) 600T150-43 (T&B) (2) 600S162-43 (L&R)		(1) 600S162-43		(2) 600S162-54 WELDED TOGETHER		VERTICLIP S15-600 (16 GA.) (FY=50) (3 SCREWS)

**NOTE:** WALL STUDS ARE AS FOLLOWS (U.N.O.): 600S162-54 (50 kb) @ 16" O.C., TYP.

**COMPOSITE BEAM FLOOR FRAMING PLAN NOTES:**

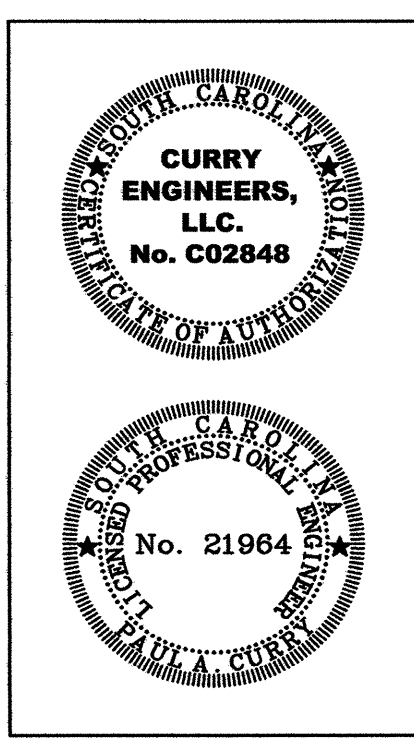
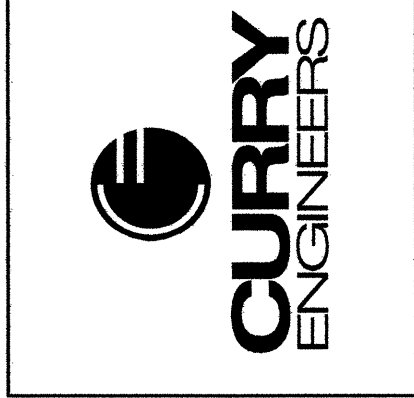
- TOP OF STEEL (T.O.S.) ELEVATION IS +13'-5 3/4" FROM DATUM ELEVATION (0'-0"). T.O.S. ELEVATION IS TYPICALLY (+6 1/2") FROM TOP OF SLAB (T/S).
- TYPICAL TOTAL FLOOR SLAB DEPTH IS 6 1/2" LIGHTWEIGHT CONCRETE (11.5 P/SF) WITH 6X6-W2.1XW2.1 WWF (FLAT SHEETS) REINFORCING ON A 3/16" DECK BY VULCRRAFT OR EQUAL GALVANIZED NON-CELLULAR COMPOSITE METAL FLOOR DECK.
- BEAMS ARE EQUALLY SPACED ALONG SUPPORTING MEMBERS UNLESS INDICATED OTHERWISE ON PLAN OR IN DETAILS.
- METAL ROOF DECK DIAPHRAGM SHEARS ARE INDICATED ON PLAN AS "Q=XX PLF" (POUNDS PER LINEAL FOOT).
- ALL ROLLED WIDE FLANGE STEEL SECTIONS SHALL BE ASTM A992 GRADE 50 (FY= 50 KSI) U.N.O. ALL OTHER STEEL SHALL BE ASTM A36 (FY= 36 KSI) U.N.O. EXCEPT TUBE AND PIPE SECTIONS WHICH SHALL BE ASTM A500 GRADE B. (FY= 46 KSI) AND ASTM A53 GRADE B RESPECTIVELY.
- DESIGNATIONS ON PLAN FOR BEAM END MOMENTS, REACTIONS, CAMBERS AND COMPOSITE BEAM SHEAR STUDS ARE AS INDICATED BELOW. SEE 'TYPICAL DETAILS ON SHT. 5XXX & 5XXX FOR STUD PLACEMENT DETAILS.  
 CAMBERS AT MID-SPAN ..... C= XX"  
 STUDS EQUALLY SPACED BETWEEN CONNECTING MEMBERS ..... (XX)  
 REACTIONS EACH END (KIPS) ..... XXX K  
 END MOMENTS (FT-KIPS) ..... M= XX FK
- LATERAL MOMENT CONNECTIONS ARE INDICATED AT BEAM ENDS BY THE FOLLOWING SYMBOL:  
 GRAVITY MOMENT CONNECTIONS ARE INDICATED AT BEAM ENDS BY THE FOLLOWING SYMBOL:  
 WHERE NO VALUE IS SHOWN FOR END MOMENT THE CONNECTION SHALL BE DESIGNED FOR THE CAPACITY OF THE CANTILEVER BASED ON ITS UNBRACED LENGTH.

WHICH THE OPENING FIRST OCCURS AND ON SUBSEQUENT LEVELS WHERE DIMENSIONS OR LOCATIONS VARY.

- MECHANICAL EQUIPMENT UNIT LOCATIONS INDICATED ON PLAN ARE APPROXIMATE UNLESS EXPLICITLY DETAILED OR DIMENSIONED OTHERWISE. WEIGHTS INDICATED REPRESENT LOADS USED IN DESIGN OF STRUCTURE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING FINAL LOCATIONS OF ROOFTOP EQUIPMENT AND DIMENSIONS OF OPENINGS. WHERE LOCATIONS, OPENINGS, OR WEIGHTS DIFFER FROM THOSE INDICATED ON PLAN, CONTRACTOR SHALL SUSPEND ALL WORK IN THE AFFECTED AREA AND NOTIFY STRUCTURAL ENGINEER.
- REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS AND DRAWINGS OF OTHER DISCIPLINES FOR LOCATIONS AND DIMENSIONS OF OPENINGS, DEPRESSIONS, AND NON-STRUCTURAL MASONRY.
- SEE SHT. 5-1 FOR 'GENERAL NOTES' AND SHT. 5-7 FOR 'TYPICAL DETAILS'. TYPICAL DETAILS ARE GENERALLY NOT CUT ON PLANS BUT RATHER ARE INTENDED TO DEFINE TYPICAL CONSTRUCTION CONDITIONS. WHERE TYPICAL DETAILS ARE CUT ON PLAN, THE INTENT IS TO ILLUSTRATE THE TYPE OF CONDITION AT WHICH THAT DETAIL IS INTENDED TO APPLY RATHER THAN EVERY OCCURRENCE OF THAT DETAIL.
- SEE SHT. 5-3 FOR COLUMN SIZES AND BASE PLATE DETAILS.
- SEE SHT. 5-6 FOR MOMENT FRAME ELEVATIONS.

⊠ WHERE AVAILABLE DIMENSIONS AND LOCATIONS FOR OPENINGS ARE SHOWN ON THE LOWEST LEVEL ON

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**REVISIONS:**

Δ ADDENDUM	01.27.06	PAC
Δ CAMBER I.D.	02.03.06	PAC
Δ CONST. SET	04.25.06	PAC
Δ ELEV. RELOCATED	05.25.06	PAC

**LEGAL NOTICE**  
 DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ENGINEER WHETHER THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND ARE NOT TO BE USED ON OTHER WORK EXCEPT BY AGREEMENT WITH THE ENGINEER.

**SECOND FLOOR FRAMING PLAN**

**DRAWN BY:** J. BOYD  
**DESIGNED BY:** P. CURRY  
**CHECKED BY:** P. CURRY  
**DATE:** 01.06.06  
**SCALE:** AS NOTED  
**JOB NO.:** 25134  
**SHEET:**

CONSTRUCTION SET ONLY