

ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

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 (1#B) (2) 600S200-54 (1#R)		(1) 600T200-54 (TOP) (1) 600S200-54 (BOT)		(2) 600S250-68 WELDED TOGETHER		VERTICLIP SLS-600 (1# GA.) (FY=50) (3 SCREWS)
Ⓑ	BOX	(2) 600T150-54 (1#B) (2) 600S200-54 (1#R)		(1) 600T200-54 (TOP) (1) 600S200-54 (BOT)		(2) 600S250-68 WELDED TOGETHER		VERTICLIP SLS-600 (1# GA.) (FY=50) (3 SCREWS)
Ⓒ	BEAM	W10x26 w/ 3/8"x1 1/2" x WIDTH OF OPENINGS. PROVIDE 3/8" STIFFENER PL. @ 24" O.C.		NA	NA	HSS 5x5x3/8"		NA
Ⓓ	BEAM	W10x30 w/ 3/8"x1 1/2" x WIDTH OF OPENINGS. PROVIDE 3/8" STIFFENER PL. @ 24" O.C.		NA	NA	HSS 5x5x3/8"		NA
Ⓔ	BOX	(2) 600T150-43 (1#B) (2) 600S162-43 (1#R)		(1) 600S162-43		(2) 600S162-54 WELDED TOGETHER		VERTICLIP SLS-600 (1# GA.) (FY=50) (3 SCREWS)

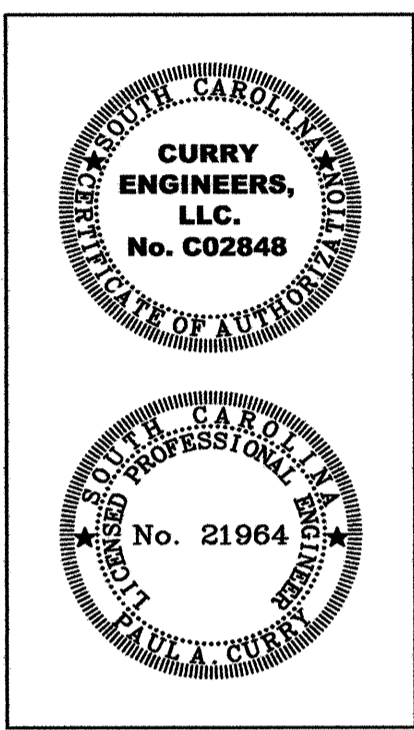
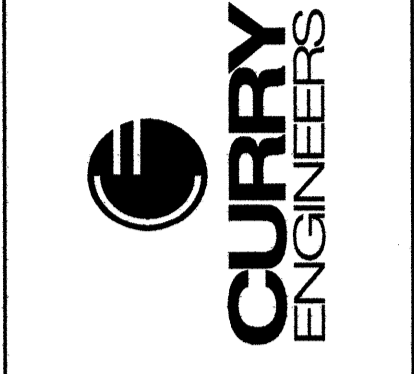
NOTE: WALL STUDS ARE AS FOLLOWS (U.N.O.): 600S162-54 (50 lbs) @ 16" O.C., TYP.

METAL DECK ROOF FRAMING PLAN NOTES:

- NOMINAL JOIST BEARING ELEVATION VARIES FROM DATUM ELEVATION (0.0). T&ST ELEVATION VARIES. T&ST ELEVATIONS AT ROOF AREAS SLOPE AND ARE TYPICALLY INDICATED.
- WHERE SLOPING MEMBERS OCCUR T&ST ELEVATIONS ARE INTENDED TO MATCH AT CONNECTIONS U.N.O. ON PLAN OR IN DETAILS. TD&K SLOPES WITH T&ST WHERE ROOF SLOPES OCCUR. JOIST BEARING ELEVATIONS ARE INDICATED ON PLAN U.N.O.
- TYPICAL ROOF DECK IS 1.5B 20 GA BY VULCRRAFT OR EQUAL METAL ROOF DECK.
- METAL ROOF DECK DIAPHRAGM SHEARS ARE INDICATED ON PLAN AS "Q=XX PLF" (POUNDS PER LINEAL FOOT).
- ALL STEEL PLANS SHALL BE ASTM A992 GRADE 50 (FY= 50 KSI). ALL OTHER STEEL SHALL BE ASTM A36 (FY= 36 KSI) 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, AND CAMBERS ARE AS INDICATED BELOW:
CAMBERS AT MID-SPAN.....C= XX"
REACTIONS EQUAL EACH END (KIPS).....R= XX K
REACTIONS LEFT AND RIGHT END UNEQUAL (KIPS).....R= XX K YY 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.
- WHERE APPLICABLE, DIMENSIONS AND LOCATIONS FOR OPENINGS ARE SHOWN ON THE LOWEST LEVEL ON 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.
- MASONRY SHOWN ON STRUCTURAL DRAWINGS DEFINES ONLY THE EXTENT AND REQUIREMENTS OF MASONRY UTILIZED FOR STRUCTURAL PURPOSES (I.E. BEARING WALLS, SHEAR WALLS, RETAINING WALLS, FOUNDATION WALLS, COLUMNS, ETC.).
- 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 AND DETAILS.
- ROOF DECK ATTACHMENT:
3/8" PATTERN
3/8" PUDDLE WELD
(9) SIDELAP FASTENERS PER SPAN. FASTEN SIDE LAPS w/ #10 TEK SCREWS

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**OFFICES AT BELLE HALL
BUILDING ONE
MT. PLEASANT, S.C.**

REVISIONS:

ADDENDUM	01.27.06	PAC
CONST. SET	04.25.06	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.

CEILING / ROOF LAYOUT PLAN

DRAWN BY: J. BOYD
DESIGNED BY: P. CURRY
CHECKED BY: P. CURRY
DATE: 01.06.06
SCALE: AS NOTED
JOB NO.: 25134
SHEET: 5-5

CONSTRUCTION SET ONLY