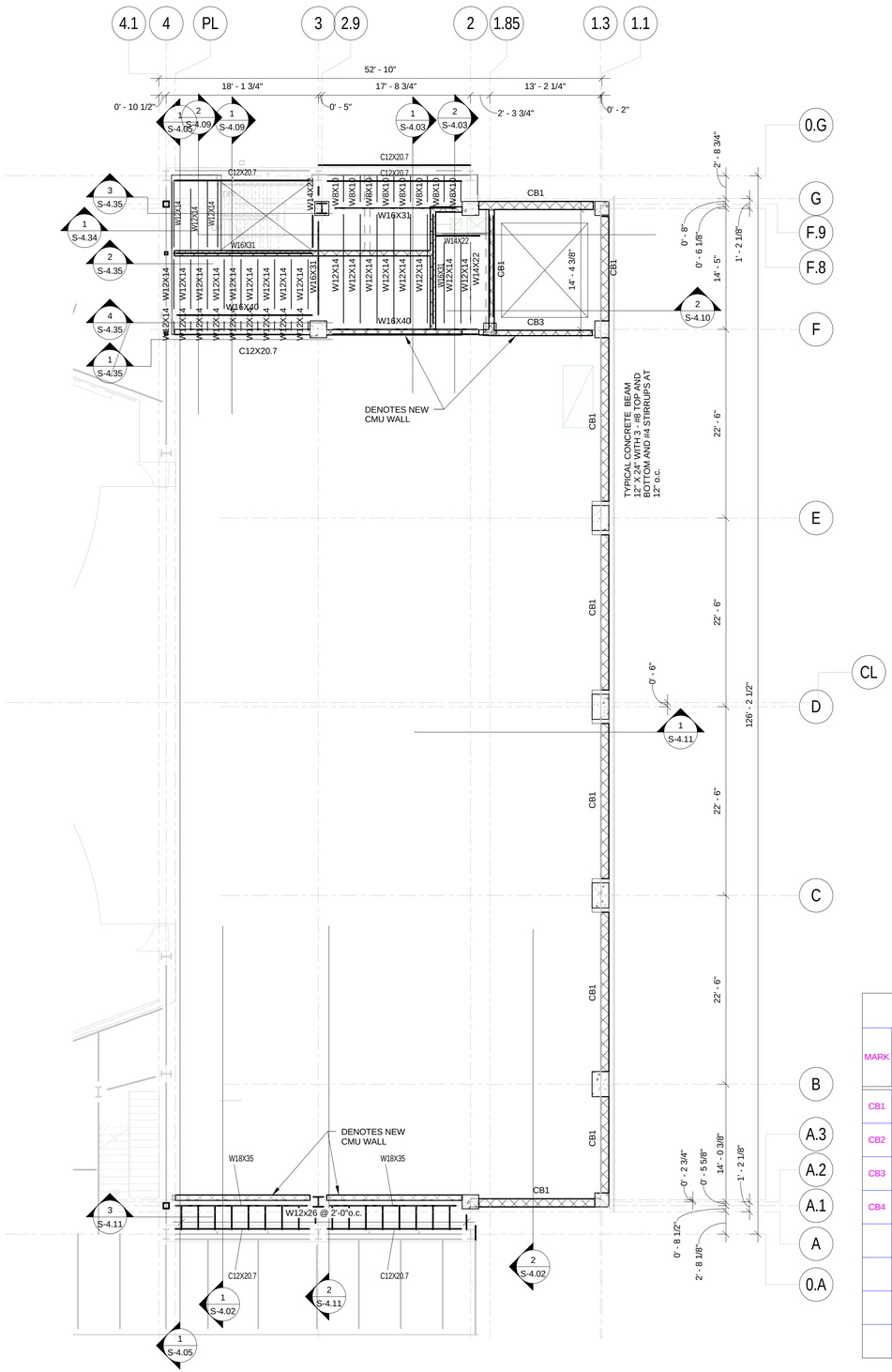
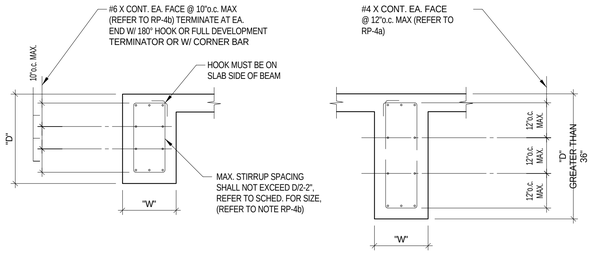
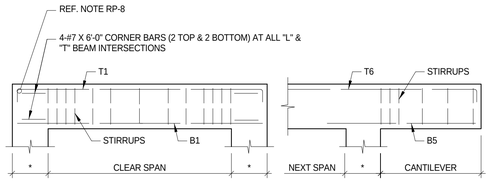




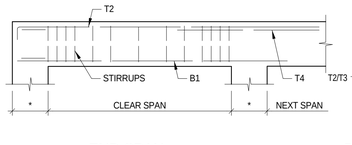
EDGE BEAM

DEEP BEAMS



SINGLE SPAN

CANTILEVERS



END SPAN

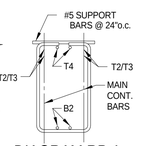
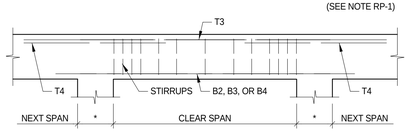


DIAGRAM RP-1
(SEE NOTE RP-1)



INTERIOR SPANS

* WIDTH OF PIER, COLUMN OR BEAM WHICHEVER IS GREATEST

BEAM REINFORCING BAR PLACEMENT

CONCRETE BEAM SCHEDULE

MARK	SIZE			MAIN REINFORCING								STIRRUPS			REMARKS
				TOP BARS		BOTTOM BARS		TOP BARS AT SUPPORT							
	W	D	SECT.	REINF.	TYP.	REINF.	TYP.	REINF.	TYP.	SUPP.	SIZE	TYPE	SPACING AT EACH END OF BEAM	
CB1	12	24		3-#8	CONT.	3-#8	CONT.	2-#5	-	ALL	#4		1 @ 2, BAL @ 8"o.c.	
CB2	20	24		3-#8	CONT.	3-#8	CONT.	2-#5	-	ALL	#4		1 @ 2, BAL @ 8"o.c.	
CB3	8	24		3-#8	CONT.	3-#8	CONT.	-	-	-	#4		1 @ 2, BAL @ 8"o.c.	
CB4	18	18		3-#8	T1	3-#8	CONT.	-	-	-	#4		1 @ 2, BAL @ 8"o.c.	

THESE DRAWINGS WERE PREVIOUSLY SIGNED AND SEALED ON

FEBRUARY 19, 2010

BY

SHAWN J. FRANKE P.E.
LOUISIANA REG. NO. 28077

REINFORCING PLACEMENT NOTES:

RP-1 WHERE BAR TYPES T2 AND T3 LAP OVER SUPPORTS, BUNDLE VERTICALLY TO PREVENT CONGESTION. IF BAR TYPE T4 ARE ALSO SCHEDULED, USE #5 SUPPORT BARS TO HOLD THEM NEAR MIDDLE OF STIRRUP WIDTH AS SHOWN IN DIAGRAM RP-1.

RP-2 FABRICATE OFFSET BENDS IN MAIN REINFORCING BARS FOR FLOOR DROPS, OFFSET BEAM FACES, BRICK LUG VARIATIONS, ETC. SHOP BEND BARS ON A 1:6 SLOPE AND MODIFY STIRRUP SHAPE ACCORDINGLY.

RP-3 UNLESS NOTED OTHERWISE, REBARS SHALL HAVE CONCRETE COVER AS FOLLOWS: STIRRUPS AND TIES = 1-1/2"; AND SLABS = 3/4"; FORMED CONCRETE EXPOSED TO EARTH OR WEATHER = 2"; CONCRETE CAST AGAINST EARTH = 3".

RP-4 a. WHERE BEAM DEPTHS EXCEED 36", PROVIDE ADDITIONAL CONTINUOUS #4 HORIZONTAL BARS IN EACH FACE SPACED NOT MORE THAN 12"o.c.

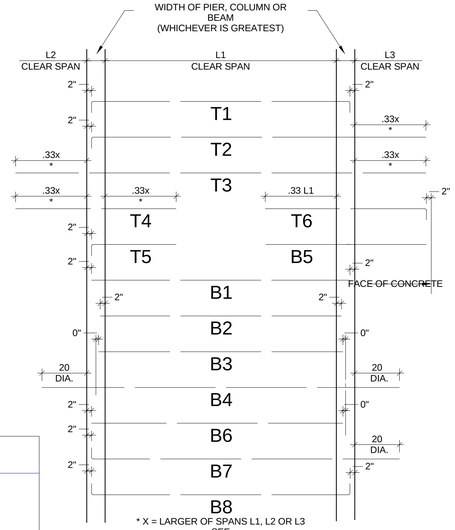
b. WHERE BEAM IS FRAMED WITH SLAB/JOIST ON ONE SIDE ONLY (PERIMETER BEAMS, STAIR OPENINGS, etc) ADD CONTINUOUS #6 HORIZONTAL BARS IN EACH FACE SPACED AT NOT MORE THAN 10" o.c. VERTICALLY. STIRRUP SPACING SHALL NOT EXCEED BEAM DEPTH/2 - 2". EXAMPLE: D =30", MAXIMUM STIRRUP SPACING SHALL BE 30"/2 - 2" = 13" o.c. AND 2-#6 X CONTINUOUS BARS IN EACH FACE OF BEAM.

RP-5 BARS NOTED IN SCHEDULE AS "CONT." SHALL BE FULLY CONTINUOUS USING STOCK LENGTH STEEL AND RANDOM SPLICES OF 40 BAR DIAMETERS.

RP-6 DISTANCE "X" SHALL BE THE LARGEST DISTANCE BETWEEN SUPPORTS OF THE SPANS L1, L2 OR L3 AND SHALL BE MADE THE SAME AMOUNT AT THE LEFT AND RIGHT ENDS SO THAT BARS ARE PLACED SYMMETRICALLY IN THE SPAN.

RP-7 SLEEVES THROUGH BEAMS SHALL HAVE INDIVIDUAL APPROVAL OF THE ENGINEER AND MAY REQUIRE AN INCREASE IN BEAM SIZE.

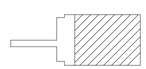
RP-8 AT BEAM INTERSECTIONS, THE LARGER BEAM STEEL CONCRETE COVER REQUIREMENTS SHALL GOVERN. INTERSECTING BEAM STEEL SHALL BE PLACED WITHIN LARGER BEAM STEEL.



* X = LARGER OF SPANS L1, L2 OR L3

SEE NOTE RP-6 FOR EXPLANATION

REINFORCING BAR TYPES



KEY PLAN

THE SAENGER THEATRE RENEWAL PROJECT

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New Orleans, LA

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7502

DATE:	No.:	REVISION:

DATE:	ISSUE.:
02.19.10	PERMIT SET
04.02.10	GMP
11.11.10	CONTRACT SET

SHEET TITLE:
THEATRE - STAGE MEZZANINE LEVEL PLAN

S-1.03

ISSUED FOR PERMIT

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