STEEL COLUMN SCHEDULE

MARK	A-1	A-2	A-3	A-4	A-5	A-6	A-7	A-8	A-9	A-10	A-11	A-12	A-13	A-14	A-15	B-1	B-15	C-1	C-15	D-1	D-15	E-1	E-15	F-1	F-2	F-3	F-4	F-5	F-6	F-7	F-8	F-9	F-10
HIGH ROOF EL. VARIES																																	
MEZZANINE TOP OF SLAB EL. 114'-8"																																	
1ST FLOOR EL. 100'-0"	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2
BOTTOM OF BASE PLATE	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"
BASE PLATE TYPE	4	1	1	1	1	1	1	1	1	1	1	2	3	3	4	6	6	6	6	6	6	6	6	4	1	1	1	1	1	1	1	1	1

STEEL COLUMN SCHEDULE

MARK	F-11	F-12	F-13	F-14	F-15	A6-C3 A9-C3 A11-C3	A12-C3 A4-5.8 A4-6.2	A3-6.5 A3-8.8 A3-C3	A3-9.4 A8-C6 A7-C7	A13-C6 A10-C6 A15-7.8	A14-6.1 A3-C4 A4-C1	A3-8.2 A3-C8 A4-C9	A1-C1 AK-C9 BA-C1	CA-C5 BC-C9 CB-C2	CC-C1 CE-C9 CD-C5	CF-C1 CG-C2 DA-C5	DC-C5 F1-C9 EB-C9	A1-C8 DD-C1 DR-C5	BD-C5 DB-C9	DB-C1 EB-5.1 F4-C2.1	F6-C2.1	EA-C5 DM-C2 F3-C2.1	F5-C2 F2-C5	BB-C5 AC-7.7 AG-C5	AM-7.5 AE-5.9	F5-C2.1 F7-7.6		
HIGH ROOF EL. VARIES																												
LOW ROOF EL. VARIES																												
MEZZANINE TOP OF SLAB EL. 114'-8"																												
LINTEL SUPPORT COLUMNS TOP OF COL. EL VARIES	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	HSS10x10x1/2	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	X-STRONG	HSSRnd x 1/4		
1ST FLOOR EL. 100'-0"																												
BOTTOM OF BASE PLATE	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"		
BASE PLATE TYPE	1	1	2	2	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7		

PILASTER SCHEDULE

TYPE	SIZE	REINFORCEMENT	
		VERTICAL	TIES
A	34.5"x27.5"	8-#7	#3@12"
B	33"x24"	8-#7	#3@12"
C	24"x24"	8-#6	#3@12"
D	12"x12"	4-#6	#3@12"
E	24"x33.5"	8-#7	#3@12"
F	12.5"x22"	4-#6	#3@12"
G	19.5"x16"	4-#6	#3@12"
H	16"x20"	4-#6	#3@12"
J	12.5"x16"	4-#6	#3@12"
K	18"x12.5"	4-#6	#3@12"
L	24"x26"	8-#6	#3@12"
M	31"x33"	8-#8	#3@12"
N	33"x33"	8-#8	#3@12"
P	16"x18"	4-#6	#3@12"
R	16"x24"	8-#6	#3@12"
S	16"x16"	4-#6	#3@12"
T	20 3/8"x32"	8-#6	#3@12"
U	26"x20"	10-#5	#3@12"
V	31.5"x20"	10-#6	#3@12"

BASE PLATE AND ANCHOR BOLT SCHEDULE

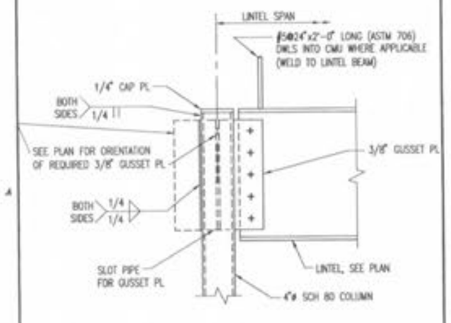
TYPE	L	W	T	BASE PLATE DETAIL	ANCHOR BOLT DIA	ANCHOR BOLT TYPE	EMBEDDED LENGTH
1	18"	16"	1"	1	1"	A	1'-0"
2	18"	16"	1 1/4"	1	1"	A	1'-0"
3	16"	16"	1 1/4"	3	1"	B	1'-3"
4	16"	16"	1 1/4"	3	1 1/4"	B	1'-3"
5	9"	9"	3/4"	2	3/4"	A	9"
6	16"	16"	1"	1	1"	A	1'-6"
7	14"	14"	1"	1	1"	A	1'-0"
8	16"	16"	1"	1	1"	A	1'-3"

NOTE: LINTEL SUPPORT COLUMNS ARE 4"ø X-STRONG (SCH 80).
COORDINATE COLUMN TOP CONDITION WITH ARCHITECTURAL DRAWINGS. SEE TYPICAL TOP OF COLUMN DETAIL A1 THIS DRAWING.

FOOTING SCHEDULE

TYPE	SIZE	THICKNESS	REINFORCEMENT
30	3'-0"x3'-0"	1'-0"	4-#5 EACH WAY BOTTOM
35	3'-6"x3'-6"	1'-0"	5-#5 EACH WAY BOTTOM
40	4'-0"x4'-0"	1'-0"	5-#5 EACH WAY BOTTOM
45	4'-6"x4'-6"	1'-0"	6-#5 EACH WAY BOTTOM
50	5'-0"x5'-0"	1'-0"	6-#5 EACH WAY BOTTOM
60	6'-0"x6'-0"	1'-0"	7-#5 EACH WAY BOTTOM
65	6'-6"x6'-6"	1'-0"	7-#5 EACH WAY TOP & BOT
70	7'-0"x7'-0"	1'-0"	8-#5 EACH WAY TOP & BOT
90	9'-0"x9'-0"	2'-0"	10-#6 EACH WAY TOP & BOT
R1	8'-0"x9'-0"	1'-0"	#6@12" EACH WAY TOP & BOT
R2	7'-0"x10'-0"	1'-0"	#6@12" EACH WAY TOP & BOT
R3	7'-6"x9'-1"	1'-0"	#6@12" EACH WAY BOT

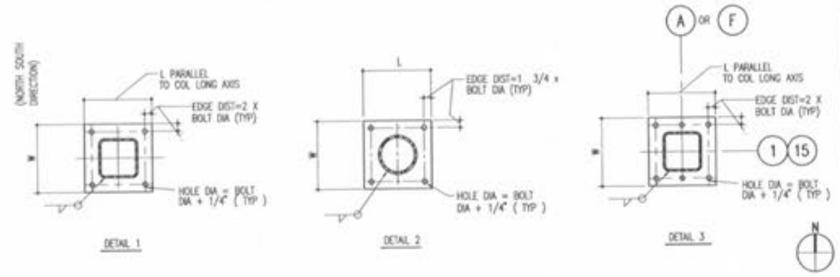
PILASTER NOTES:
A. FIRST DIMENSION SHOWN IN PILASTER SIZE IS MEASURED IN NORTH-SOUTH DIRECTION ON PLAN.
B. SIZE OF PILASTERS WITH TWO OR THREE DISTINCT SIDES BEYOND THE INTERIOR FOUNDATION WALL FACE MAY BE MEASURED FROM THE OUTSIDE FACE OF FOUNDATION WALL TOWARD BUILDING INTERIOR IN THAT DIRECTION. CENTER PILASTER ON BUILDING COLUMN CENTERLINE IN OTHER DIRECTION.
C. PILASTERS WITH FOUR DISTINCT SIDES BEYOND THE INTERIOR FOUNDATION WALL FACE MAY BE CENTERED ON THE COLUMN CENTERLINES IN EACH DIRECTION.
D. PROVIDE DOWELS INTO FOOTING TO MATCH PILASTER VERTICAL REINFORCING SIZE AND SPACING.
E. PLACE FIRST TIE 3" BELOW TOP OF CONCRETE.



A1 TYPICAL LINTEL COLUMN DETAIL
1 1/2"=1'-0"

NOTE: SEE BASE PLATE ANCHOR BOLT SCHEDULE FOR ANCHOR BOLT SIZE, EMBEDMENT LENGTH, AND BASE PLATE SIZE

A3 COLUMN ANCHOR BOLTS
NTS USE FOR ALL COLUMN BASE PLATES UON



A4 BASE PLATE DETAILS
NTS

JE JACOBS
30 North Broadway, Saint Louis, Missouri 63102-201

Revision

Date	By	Description
0 12/9/02	JMW	ISSUED FOR BID

STATE OF MISSOURI
R. PHILLIP SHINN
NUMBER EN-018121
REGISTERED PROFESSIONAL ENGINEER
12-2-02

RENAUD SPIRIT CENTER

For the City of O'Fallon - Missouri

Key Plan

Scales

Jacobs Project No: F2W43600

Drawing Title
STRUCTURAL SCHEDULES AND DETAILS

Date: DECEMBER 9, 2002

Designed By: J. WATKINS
Drawn By: J. HILLIARD
Checked By:

Drawing No:
S401