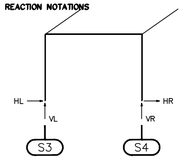
Star Building Systems 8600 S. I-35, Oklahoma City, OK 73149	**FRAME DESCRIPTION:** pf 32,/22.667 main building a	**USER NAME:** akkhanna **JOB NAME:** 63841A	**DATE:** 5/ 4/11 **FILE:** pf_swa.fra	**PAGE:** 4-2
SUPPORT REACTIONS FOR EACH LOAD GROUP NOTE: All reactions are in kips and kip-ft.	**FRAME ID #04** **LOCATION:** bays 3-(plane SWA)			**TIME:** 13:23:34

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
BASE PLATE	10.0X11.0X0.375			10.0X11.0X0.375		
ANC. RODS	(4)-3/4			(4)-3/4		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.2	1.4	0.0	-0.2	1.4	0.0
EQ	-1.3	-1.9	0.0	-1.4	1.9	0.0
WL1	-9.5	-14.0	0.0	-10.3	14.0	0.0
WL2	10.3	14.0	0.0	9.5	-14.0	0.0

LOAD GROUP DESCRIPTION

DL : Roof Dead Load
EQ : Lateral Seismic Load [parallel to plane of frame]
WL1 : Lateral Primary Wind Load
WL2 : Lateral Primary Wind Load

NOTES

1) THE REACTIONS PROVIDED ARE BASED ON THE ORDER DOCUMENTS AT THE TIME OF MAILING. ANY CHANGES TO BUILDING LOADS OR DIMENSIONS MAY CHANGE THE REACTIONS. THE REACTIONS WILL BE SUPERSEDED AND VOIDED BY ANY FUTURE MAILING.
2) THE REACTIONS PROVIDED HAVE BEEN CREATED WITH THE FOLLOWING LAYOUT (UNLESS NOTED OTHERWISE).
a) A REACTION TABLE IS PROVIDED WITH THE REACTIONS FOR EACH LOAD GROUP.
b) RIGID FRAMES
(1) GABLED BUILDINGS
(a) LEFT AND RIGHT COLUMNS ARE DETERMINED AS IF VIEWING THE LEFT SIDE OF THE BUILDING, AS SHOWN ON THE ANCHOR ROD DRAWING, FROM THE OUTSIDE OF THE BUILDING.
(b) INTERIOR COLUMNS ARE SPACED FROM LEFT SIDE TO RIGHT SIDE.
(2) SINGLE SLOPE BUILDINGS
(a) LEFT COLUMN IS THE LOW SIDE COLUMN.
(b) RIGHT COLUMN IS THE HIGH SIDE COLUMN.
(c) INTERIOR COLUMNS ARE SPACED FROM LOW SIDE TO HIGH SIDE.
c) ENDWALLS
(1) LEFT AND RIGHT COLUMNS ARE DETERMINED AS IF VIEWING THE WALL FROM THE OUTSIDE.
(2) INTERIOR COLUMNS ARE SPACED FROM LEFT TO RIGHT.
d) ANCHOR ROD SIZE IS DETERMINED BY SHEAR AND TENSION AT THE BOTTOM OF THE BASE PLATE. THE LENGTH OF THE ANCHOR ROD AND METHOD OF LOAD TRANSFER TO THE FOUNDATION ARE TO BE DETERMINED BY THE FOUNDATION ENGINEER.
e) ANCHOR RODS ARE A36 OR A307 MATERIAL UNLESS NOTED OTHERWISE ON THE ANCHOR ROD LAYOUT DRAWING.
f) X-BRACING
(1) ROD BRACING REACTIONS HAVE BEEN INCLUDED IN VALUES SHOWN IN THE REACTION TABLES.
(2) FOR IBC AND UBC BASED BUILDING CODES, WHEN X-BRACING IS PRESENT IN THE SIDEWALL, INDIVIDUAL LONGITUDINAL SEISMIC LOADS (RBUPEQ AND RBDWEQ) DO NOT INCLUDE THE AMPLIFICATION FACTOR, Ω_0
(3) FOR CANADA BUILDING CODE (NBC), WHEN X-BRACING IS PRESENT IN THE SIDEWALL OR ENDWALL, INDIVIDUAL LONGITUDINAL SEISMIC LOADS (RBUPEQ & RBDWEQ) ARE MULTIPLIED BY FORCE REDUCTION FACTOR, Rd, WHEN SPECIFIED SHORT-PERIOD SPECTRAL ACCELERATION RATIO $(F_a S_a(0.2))$ IS GREATER THAN 0.45.
3) REACTIONS ARE PROVIDED AS UN-FACTORED FOR EACH LOAD GROUP APPLIED TO THE COLUMN. THE FOUNDATION ENGINEER WILL APPLY THE APPROPRIATE LOAD FACTORS AND COMBINE THE REACTIONS IN ACCORDANCE WITH THE BUILDING CODE AND DESIGN SPECIFICATIONS TO DETERMINE BEARING PRESSURES AND CONCRETE DESIGN. THE FACTORS APPLIED TO LOAD GROUPS FOR THE STEEL COLUMN DESIGN MAY BE DIFFERENT THAN THE FACTORS USED IN THE FOUNDATION DESIGN.

MAXIMUM REACTIONS ARE NOT PROVIDED BY THE MANUFACTURER TO ALLOW THE FOUNDATION ENGINEER TO DETERMINE THE CORRECT VALUES FOR HIS DESIGN PROCEDURES AND ALLOW FOR AN ECONOMICAL FOUNDATION DESIGN.

Revison	Date	Description	By	Ck'd
3	06/29/11	REVISED THRU SALES ORDER REVISON 3	KRK	JRS
4	08/01/11	NO CHANGES MADE TO THE SHEET	LSI	LSA

STAR BUILDING SYSTEMS
An NCI Company
P.O. BOX 94910
OKLAHOMA CITY, OK 73143
(405) 636-2010

Project Name & Location:
PINNACLE CASINO -
MANHATTAN CONSTRUCTION
BATON ROUGE, LA

Customer:
CASEY CIVIL LLC
COMMERCIAL
MANDEVILLE, LA

Drawing Status:
☐ *Preliminary* ☐ *For Construction Permit*
☐ *For Approval* ☒ *For Erector Installation*
REVISED

Scale: NOT TO SCALE
Drawn by: JRS 5/11/11
Checked by: SNH 5/11/11
Project Engineer: AK
Job Number: 12-B-63841
Sheet Number: F4 of 4

The engineer whose seal appears hereon is an employee for the manufacturer for the materials described herein. Said seal or certification is limited to the products designed and manufactured by manufacturer only. The undersigned engineer is not the overall engineer of record for this project.

BRIAN A. CARMICHAEL, P.E.
Louisiana P.E. 33110

STATE OF LOUISIANA
BRIAN A CARMICHAEL
License No. 33110
PROFESSIONAL ENGINEER
08/03/11
IN
CIVIL ENGINEERING