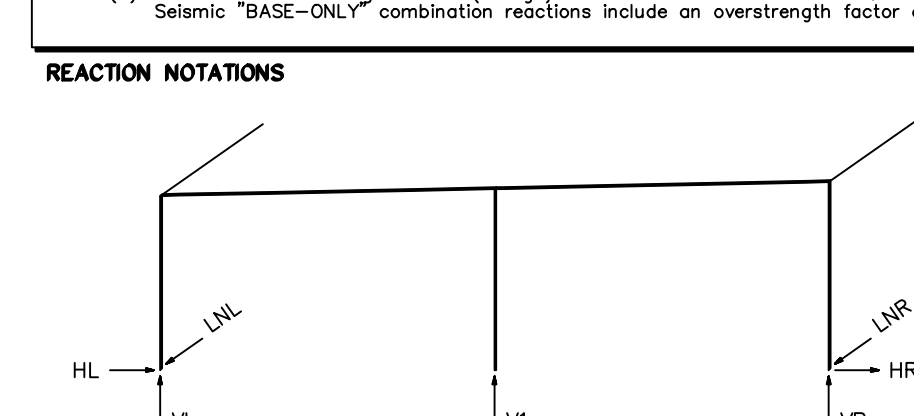


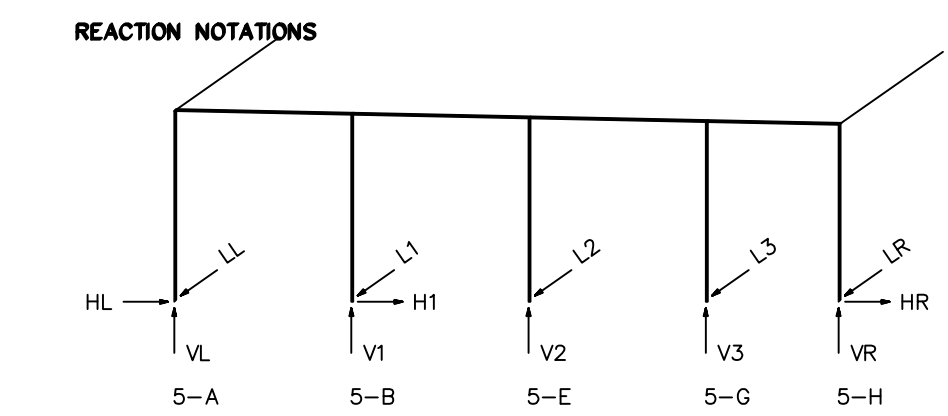
COLUMN	1-H			1-F			1-C			1-A			
LOAD GROUP	HL	VL	LL	H1	V1	L1	H2	V2	L2	HR	VR	LR	
D	0.0	1.0	0.0	0.0	1.9	0.0	0.0	1.9	0.0	0.0	1.0	0.0	
C	0.0	0.7	0.0	0.0	1.8	0.0	0.0	1.8	0.0	0.0	0.7	0.0	
L	0.1	2.8	0.0	0.0	7.0	0.0	0.0	7.0	0.0	-0.1	2.8	0.0	
S	0.1	5.8	0.0	0.0	14.8	0.0	0.0	14.8	0.0	-0.1	5.8	0.0	
SBAL	0.1	5.8	0.0	0.0	14.8	0.0	0.0	14.8	0.0	-0.1	5.8	0.0	
W+	-0.1	-3.0	0.5	0.0	-7.3	3.5	0.0	-7.3	3.6	0.1	-3.0	0.5	
W-	-0.1	-3.0	-0.5	0.0	-7.3	-3.9	0.0	-7.3	-4.0	0.1	-3.0	-0.5	
WR	0.5	-0.9	0.0	0.0	2.7	-9.5	0.0	2.7	-9.5	0.0	0.6	-3.0	0.0
WL	-2.7	-4.8	0.0	0.0	-5.5	0.0	0.0	-7.3	0.0	-0.4	-3.0	0.0	
E+	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.2	
E-	0.0	0.0	-0.2	0.0	0.0	-0.4	0.0	0.0	-0.4	0.0	0.0	-0.2	
EL	-2.0	-1.5	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	
ER	0.2	1.5	0.0	0.0	-1.5	0.0	0.0	0.0	0.0	0.2	0.0	0.0	

LOAD GROUP DESCRIPTION
D : DEAD LOAD
C : COLLATERAL LOAD
L : LIVE LOAD
S : DESIGN SNOW LOAD
SBAL : BALANCED ROOF SNOW
W+ : WIND LOAD AS AN INWARD ACTING PRESSURE
W- : WIND LOAD AS AN OUTWARD ACTING SUCTION
WR : WIND FORCE FROM THE RIGHT
WL : WIND FORCE FROM THE LEFT
E+ : EARTHQUAKE FORCE ACTING INWARD
E- : EARTHQUAKE FORCE ACTING OUTWARD
EL : EARTHQUAKE FORCE FROM LEFT
ER : EARTHQUAKE FORCE FROM RIGHT



COLUMN	*H			*A			*D		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR	H1	V1	LN1
DL	0.4	1.9	0.0	-0.4	2.0	0.0	0.0	4.5	0.0
COLL	0.5	2.1	0.0	-0.5	2.1	0.0	-0.0	5.2	0.0
PSL1	1.6	18.7	0.0	-1.6	-1.6	0.0	-0.0	22.3	0.0
PSL2	2.2	-1.1	0.0	-2.2	19.2	0.0	0.0	21.3	0.0
SNOW	3.9	17.6	0.0	-3.9	17.6	0.0	-0.0	43.6	0.0
LL	1.8	8.4	0.0	-1.8	8.4	0.0	-0.0	20.7	0.0
RBDWEQ	0.1	6.3	0.0	-0.1	6.8	0.0	-0.0	-0.2	0.0
EQ	-2.4	-1.2	0.0	-2.0	1.0	0.0	-0.0	0.2	0.0
RBUPEQ	0.1	-6.2	-7.8	-0.1	-6.7	-7.8	-0.0	0.0	0.0
WL1	-3.7	-7.4	0.0	-2.2	-3.1	0.0	-0.0	-12.6	0.0
WL2	-4.3	-4.6	0.0	-1.5	-0.3	0.0	-0.0	-6.5	0.0
WL3	2.7	-2.8	0.0	3.9	-7.5	0.0	0.0	-12.7	0.0
WL4	2.0	-0.0	0.0	4.6	-4.7	0.0	0.0	-6.7	0.0
LWL1	0.8	-8.7	0.0	-0.5	-6.7	0.0	0.0	-15.4	0.0
RBUPLW	0.0	-4.4	-5.6	-0.0	-4.9	-5.7	0.0	-0.0	0.0
LWL2	0.7	-6.6	0.0	-0.5	-8.8	0.0	0.0	-15.3	0.0
LWL3	1.2	-5.2	0.0	-1.3	-4.3	0.0	0.0	-9.4	0.0
LWL4	1.2	-4.4	0.0	-1.2	-5.2	0.0	0.0	-9.3	0.0
RBDWLW	0.1	4.5	0.0	-0.1	5.0	0.0	0.0	-0.2	0.0

LOAD GROUP DESCRIPTION
DL : Roof Dead Load
COLL : Roof Collateral Load
PSL1 : Pattern Snow Load [PSLxx]
PSL2 : Pattern Snow Load [PSLxx]
SNOW : Roof Snow Load
LL : Roof Live Load
RBDWEQ : Downward Acting Rod Brace Load from Long. Seismic
EQ : Lateral Seismic Load [parallel to plane of frame]
RBUPEQ : Upward Acting Rod Brace Load from Longit. Seismic
WL1 : Lateral Primary Wind Load
WL2 : Lateral Primary Wind Load
WL3 : Lateral Primary Wind Load
WL4 : Lateral Primary Wind Load
LWL1 : Longitudinal Primary Wind Load
RBUPLW : Upward Acting Rod Brace Load from Longitud. Wind
LWL2 : Longitudinal Primary Wind Load
LWL3 : Longitudinal Primary Wind Load
LWL4 : Longitudinal Primary Wind Load
RBDWLW : Downward Acting Rod Brace Load from Longit. Wind



COLUMN	5-A			5-B			5-E			5-G			5-H		
LOAD GROUP	HL	VL	LL	H1	V1	L1	H2	V2	L2	H3	V3	L3	HR	VR	LR
D	0.0	0.7	0.0	0.0	1.4	0.0	0.0	1.3	0.0	0.0	1.3	0.0	0.0	0.5	0.0
C	0.0	0.6	0.0	0.0	1.4	0.0	0.0	1.3	0.0	0.0	1.2	0.0	0.0	0.4	0.0
L	0.0	2.2	0.0	0.0	5.7	0.0	0.0	5.2	0.0	0.0	4.9	0.0	0.0	1.6	0.0
S	0.1	4.7	0.0	0.0	12.0	0.0	0.0	10.9	0.0	0.0	10.4	0.0	-0.1	3.3	0.0
SBAL	0.1	4.7	0.0	0.0	12.0	0.0	0.0	10.9	0.0	0.0	10.4	0.0	-0.1	3.3	0.0
W+	0.0	-7.4	6.1	0.0	-5.9	2.9	0.0	-5.4	2.9	0.0	-5.2	2.5	0.0	-1.7	0.3
W-	0.0	2.5	-0.4	0.0	-5.9	-3.2	0.0	-5.4	-3.2	0.0	-5.2	-2.7	0.0	-1.7	-0.3
WR	0.5	-0.1	0.0	2.2	-8.3	0.0	0.0	-5.4	0.0	0.0	-5.2	0.0	0.6	-1.7	0.0
WL	-3.2	-5.3	0.0	0.0	-3.1	0.0	0.0	-5.4	0.0	0.0	-5.2	0.0	-0.4	-1.7	0.0
E+	0.0	-6.7	7.9	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.1
E-	0.0	6.7	-0.1	0.0	0.0	-0.3	0.0	0.0	-0.3	0.0	0.0	-0.3	0.0	0.0	-0.1
EL	-2.0	-2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0
ER	0.2	2.0	0.0	1.8	-2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0

LOAD GROUP DESCRIPTION
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EL : EARTHQUAKE FORCE FROM LEFT
ER : EARTHQUAKE FORCE FROM RIGHT

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 ASTM F1554 Gr. 36 MATERIAL UNLESS NOTED OTHERWISE ON THE ANCHOR ROD LAYOUT DRAWING.
- 3) 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, r_b .
 - (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, R_d , WHEN SPECIFIED SHORT-PERIOD SPECTRAL ACCELERATION RATIO $I_e F_s S_d(0.2)$ 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.
- 4) FOR PROJECTS USING ULTIMATE DESIGN WIND SPEEDS SUCH AS 2012 IBC OR 2014 FLORIDA BUILDING CODE, THE WIND LOAD REACTIONS ARE AT A STRENGTH VALUE WITH A LOAD FACTOR OF 1.0. THE MANUFACTURER DOES NOT PROVIDE "MAXIMUM" LOAD COMBINATION REACTIONS. HOWEVER, THE INDIVIDUAL LOAD REACTIONS PROVIDED MAY BE USED BY THE FOUNDATION ENGINEER TO DETERMINE THE APPLICABLE LOAD COMBINATIONS FOR HIS/HER DESIGN PROCEDURES AND ALLOW FOR AN ECONOMICAL FOUNDATION DESIGN.

Check	By	Description	Date

8600 SOUTH I-35 SERVICE RD.
OKLAHOMA CITY, OK 73149
PROJECT NAME & LOCATION:
HARDY POND CONSTRUCTION
1039 RIVERSIDE LLC
PORTLAND, ME

Preliminary (Not for Construction)
 For Approval (Not for Construction)
 For Construction Permit
 For Erector Installation

Scale: NOT TO SCALE
Drawn by: JBS 3/2/17
Checked by: RRV 3/3/17
Project Engineer: JMB
Job Number: 15-B-70494
Sheet Number: F3 of 3

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.

Phillip J. Johnson, P.E.
Maine P.E. 11018

Mar 06, 2017

