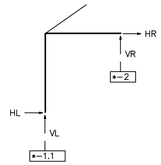
FRAME ID #4 lt 16.271/16.497/29.75 20./ USER NAME: bdcloar JOB NAME: 26518C DATE: 4/19/16 FILE: ltfral_b.fra PAGE: 4–2

SUPPORT REACTIONS FOR EACH LOAD GROUP
*LOCATION: Gridlines: B
NOTE: All reactions are in kips and kip–ft. TIME: 10:29:22
REACTION NOTATIONS

Grid Line "B"
Building "C"



LOAD GROUP REACTION TABLE * = B

COLUMN	*–1.1			SUPPORT(*–2)		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.0	1.6	0.0	–0.0	1.1	0.0
COLL	0.0	2.6	0.0	–0.0	2.2	0.0
PSLL1	0.3	11.7	0.0	–0.3	10.1	0.0
SNOW	0.2	12.2	0.0	–0.2	10.1	0.0
LL	0.1	5.3	0.0	–0.1	4.4	0.0
EQ	–0.0	0.0	0.0	–0.7	–0.0	0.0
WL1	0.4	–5.5	0.0	0.8	–4.6	0.0
WL2	–3.5	–0.6	0.0	–4.4	–0.5	0.0
LWL1	3.5	–6.6	0.0	4.7	–4.7	0.0
LWL2	3.5	–5.5	0.0	4.7	–4.6	0.0
LWL3	3.6	–4.6	0.0	4.7	–3.5	0.0
LWL4	3.6	–4.1	0.0	4.7	–3.4	0.0
WL3	3.0	–4.1	0.0	4.0	–3.4	0.0
WL4	–0.9	0.8	0.0	–1.2	0.7	0.0
SBAL	0.2	12.2	0.0	–0.2	10.1	0.0
DSNW	0.2	6.7	0.0	–0.2	12.1	0.0

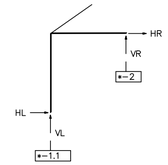
LOAD GROUP DESCRIPTION

DL : Roof Dead Load
COLL : Roof Collateral Load
PSLL1 : Pattern Snow Load Left Leanto/Canopy [PSLLxx]
SNOW : Roof Snow Load
LL : Roof Live Load
EQ : Lateral Seismic Load [parallel to plane of frame]
WL1 : Lateral Primary Wind Load
WL2 : Lateral Primary Wind Load
LWL1 : Longitudinal Primary Wind Load
LWL2 : Longitudinal Primary Wind Load
LWL3 : Longitudinal Primary Wind Load
LWL4 : Longitudinal Primary Wind Load
WL3 : Lateral Primary Wind Load
WL4 : Lateral Primary Wind Load
SBAL : Code Calculated Balanced Roof Snow Load
DSNW : Drifting Snow

FRAME ID #1 lt 16.271/16.497/25.458 20. USER NAME: bdcloar JOB NAME: 26518C DATE: 4/19/16 FILE: ltfral_c.fra PAGE: 1–2

SUPPORT REACTIONS FOR EACH LOAD GROUP
*LOCATION: Gridlines: C
NOTE: All reactions are in kips and kip–ft. TIME: 10:30:27
REACTION NOTATIONS

Grid Line "C"
Building "C"



LOAD GROUP REACTION TABLE * = C

COLUMN	*–1.1			SUPPORT(*–2)		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.0	1.5	0.0	–0.0	1.0	0.0
COLL	0.0	2.3	0.0	–0.0	1.9	0.0
PSLL1	0.2	10.0	0.0	–0.2	8.7	0.0
SNOW	0.2	10.5	0.0	–0.2	8.7	0.0
LL	0.1	4.5	0.0	–0.1	3.8	0.0
EQ	–0.0	0.0	0.0	–0.6	–0.0	0.0
WL1	0.4	–4.7	0.0	0.7	–3.9	0.0
WL2	–3.0	–0.5	0.0	–3.7	–0.4	0.0
LWL1	3.0	–5.7	0.0	4.1	–4.0	0.0
LWL2	3.0	–4.7	0.0	4.1	–3.9	0.0
LWL3	3.0	–3.9	0.0	4.0	–3.0	0.0
LWL4	3.1	–3.5	0.0	4.0	–2.9	0.0
WL3	2.6	–3.5	0.0	3.4	–2.9	0.0
WL4	–0.8	0.7	0.0	–1.0	0.6	0.0
SBAL	0.2	10.5	0.0	–0.2	8.7	0.0
DSNW	0.2	6.0	0.0	–0.2	10.8	0.0

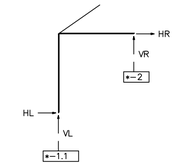
LOAD GROUP DESCRIPTION

DL : Roof Dead Load
COLL : Roof Collateral Load
PSLL1 : Pattern Snow Load Left Leanto/Canopy [PSLLxx]
SNOW : Roof Snow Load
LL : Roof Live Load
EQ : Lateral Seismic Load [parallel to plane of frame]
WL1 : Lateral Primary Wind Load
WL2 : Lateral Primary Wind Load
LWL1 : Longitudinal Primary Wind Load
LWL2 : Longitudinal Primary Wind Load
LWL3 : Longitudinal Primary Wind Load
LWL4 : Longitudinal Primary Wind Load
WL3 : Lateral Primary Wind Load
WL4 : Lateral Primary Wind Load
SBAL : Code Calculated Balanced Roof Snow Load
DSNW : Drifting Snow

FRAME ID #2 lt 16.271/16.497/22.333 20. USER NAME: bdcloar JOB NAME: 26518C DATE: 4/19/16 FILE: ltfral_d–e.fra PAGE: 2–2

SUPPORT REACTIONS FOR EACH LOAD GROUP
*LOCATION: Gridlines: D E
NOTE: All reactions are in kips and kip–ft. TIME: 10:32:23
REACTION NOTATIONS

Grid Lines "D & E"
Building "C"



LOAD GROUP REACTION TABLE * = D E

COLUMN	*–1.1			SUPPORT(*–2)		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.0	1.3	0.0	–0.0	0.8	0.0
COLL	0.0	2.0	0.0	–0.0	1.6	0.0
PSLL1	0.2	8.7	0.0	–0.2	7.6	0.0
SNOW	0.2	9.2	0.0	–0.2	7.6	0.0
LL	0.1	4.0	0.0	–0.1	3.3	0.0
EQ	–0.0	0.0	0.0	–0.6	–0.0	0.0
WL1	0.3	–4.2	0.0	0.6	–3.4	0.0
WL2	–2.6	–0.5	0.0	–3.3	–0.4	0.0
LWL1	2.7	–5.0	0.0	3.5	–3.6	0.0
LWL2	2.7	–4.2	0.0	3.5	–3.4	0.0
LWL3	2.7	–3.4	0.0	3.5	–2.6	0.0
LWL4	2.7	–3.1	0.0	3.5	–2.5	0.0
WL3	2.3	–3.1	0.0	3.0	–2.5	0.0
WL4	–0.7	0.6	0.0	–0.9	0.5	0.0
SBAL	0.2	9.2	0.0	–0.2	7.6	0.0
DSNW	0.1	5.2	0.0	–0.1	9.5	0.0

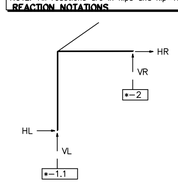
LOAD GROUP DESCRIPTION

DL : Roof Dead Load
COLL : Roof Collateral Load
PSLL1 : Pattern Snow Load Left Leanto/Canopy [PSLLxx]
SNOW : Roof Snow Load
LL : Roof Live Load
EQ : Lateral Seismic Load [parallel to plane of frame]
WL1 : Lateral Primary Wind Load
WL2 : Lateral Primary Wind Load
LWL1 : Longitudinal Primary Wind Load
LWL2 : Longitudinal Primary Wind Load
LWL3 : Longitudinal Primary Wind Load
LWL4 : Longitudinal Primary Wind Load
WL3 : Lateral Primary Wind Load
WL4 : Lateral Primary Wind Load
SBAL : Code Calculated Balanced Roof Snow Load
DSNW : Drifting Snow

FRAME ID #3 lt 16.271/16.497/20.109 20. USER NAME: bdcloar JOB NAME: 26518C DATE: 4/19/16 FILE: ltfral_f.fra PAGE: 3–2

SUPPORT REACTIONS FOR EACH LOAD GROUP
*LOCATION: Gridlines: F
NOTE: All reactions are in kips and kip–ft. TIME: 10:33:35
REACTION NOTATIONS

Grid Line "F"
Building "C"



LOAD GROUP REACTION TABLE * = F

COLUMN	*–1.1			SUPPORT(*–2)		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.0	1.2	0.0	–0.0	0.8	0.0
COLL	0.0	1.8	0.0	–0.0	1.5	0.0
PSLL1	0.2	7.9	0.0	–0.2	6.8	0.0
SNOW	0.2	8.3	0.0	–0.2	6.8	0.0
LL	0.1	3.6	0.0	–0.1	3.0	0.0
EQ	–0.0	0.0	0.0	–0.5	–0.0	0.0
WL1	0.3	–3.7	0.0	0.5	–3.1	0.0
WL2	–2.4	–0.4	0.0	–2.9	–0.4	0.0
LWL1	2.4	–4.5	0.0	3.2	–3.2	0.0
LWL2	2.4	–3.7	0.0	3.2	–3.1	0.0
LWL3	2.4	–3.1	0.0	3.2	–2.3	0.0
LWL4	2.4	–2.8	0.0	3.2	–2.3	0.0
WL3	2.0	–2.8	0.0	2.7	–2.3	0.0
WL4	–0.6	0.5	0.0	–0.8	0.4	0.0
SBAL	0.2	8.3	0.0	–0.2	6.8	0.0
DSNW	0.1	4.7	0.0	–0.1	8.5	0.0

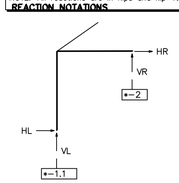
LOAD GROUP DESCRIPTION

DL : Roof Dead Load
COLL : Roof Collateral Load
PSLL1 : Pattern Snow Load Left Leanto/Canopy [PSLLxx]
SNOW : Roof Snow Load
LL : Roof Live Load
EQ : Lateral Seismic Load [parallel to plane of frame]
WL1 : Lateral Primary Wind Load
WL2 : Lateral Primary Wind Load
LWL1 : Longitudinal Primary Wind Load
LWL2 : Longitudinal Primary Wind Load
LWL3 : Longitudinal Primary Wind Load
LWL4 : Longitudinal Primary Wind Load
WL3 : Lateral Primary Wind Load
WL4 : Lateral Primary Wind Load
SBAL : Code Calculated Balanced Roof Snow Load
DSNW : Drifting Snow

FRAME ID #5 lt 16.271/16.497/18.417 20. USER NAME: bdcloar JOB NAME: 26518C DATE: 4/19/16 FILE: ltfral_f.9.fra PAGE: 5–2

SUPPORT REACTIONS FOR EACH LOAD GROUP
*LOCATION: Gridlines: F.9
NOTE: All reactions are in kips and kip–ft. TIME: 10:33:02
REACTION NOTATIONS

Grid Line "F.9"
Building "C"



LOAD GROUP REACTION TABLE * = F.9

COLUMN	*–1.1			SUPPORT(*–2)		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.0	1.2	0.0	–0.0	0.7	0.0
COLL	0.0	1.6	0.0	–0.0	1.4	0.0
PSLL1	0.2	7.2	0.0	–0.2	6.3	0.0
SNOW	0.1	7.6	0.0	–0.1	6.3	0.0
LL	0.1	3.3	0.0	–0.1	2.7	0.0
EQ	–0.0	0.0	0.0	–0.5	–0.0	0.0
WL1	0.3	–3.4	0.0	0.5	–2.8	0.0
WL2	–2.2	–0.4	0.0	–2.7	–0.3	0.0
LWL1	2.2	–4.1	0.0	2.9	–2.9	0.0
LWL2	2.2	–3.4	0.0	2.9	–2.8	0.0
LWL3	2.2	–2.8	0.0	2.9	–2.1	0.0
LWL4	2.2	–2.5	0.0	2.9	–2.1	0.0
WL3	1.9	–2.5	0.0	2.4	–2.1	0.0
WL4	–0.6	0.5	0.0	–0.7	0.4	0.0
SBAL	0.1	7.6	0.0	–0.1	6.3	0.0
DSNW	0.1	4.2	0.0	–0.1	7.6	0.0

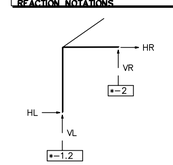
LOAD GROUP DESCRIPTION

DL : Roof Dead Load
COLL : Roof Collateral Load
PSLL1 : Pattern Snow Load Left Leanto/Canopy [PSLLxx]
SNOW : Roof Snow Load
LL : Roof Live Load
EQ : Lateral Seismic Load [parallel to plane of frame]
WL1 : Lateral Primary Wind Load
WL2 : Lateral Primary Wind Load
LWL1 : Longitudinal Primary Wind Load
LWL2 : Longitudinal Primary Wind Load
LWL3 : Longitudinal Primary Wind Load
LWL4 : Longitudinal Primary Wind Load
WL3 : Lateral Primary Wind Load
WL4 : Lateral Primary Wind Load
SBAL : Code Calculated Balanced Roof Snow Load
DSNW : Drifting Snow

FRAME ID #1 lt 11.521/16.547/13.526 20. USER NAME: bdcloar JOB NAME: 26518C DATE: 4/19/16 FILE: ltfral_g.fra PAGE: 1–2

SUPPORT REACTIONS FOR EACH LOAD GROUP
*LOCATION: Gridlines: G
NOTE: All reactions are in kips and kip–ft. TIME: 10:34:45
REACTION NOTATIONS

Grid Line "G"
Building "D"



LOAD GROUP REACTION TABLE * = G

COLUMN	*–1.2			SUPPORT(*–2)		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.0	0.6	0.0	–0.0	0.4	0.0
COLL	0.0	0.8	0.0	–0.0	0.7	0.0
PSLL1	0.1	3.6	0.0	–0.1	3.3	0.0
SNOW	0.1	3.9	0.0	–0.1	3.3	0.0
LL	0.0	1.7	0.0	–0.0	1.4	0.0
EQ	0.0	0.0	0.0	–0.2	–0.0	0.0
WL1	–0.5	–1.5	0.0	–0.5	–1.3	0.0
WL2	–1.1	–1.0	0.0	–1.2	–0.9	0.0
LWL1	0.9	–1.6	0.0	1.1	–1.2	0.0
LWL2	0.9	–1.2	0.0	1.1	–1.1	0.0
LWL3	0.9	–0.9	0.0	1.1	–0.7	0.0
LWL4	0.9	–0.8	0.0	1.1	–0.7	0.0
WL3	0.8	–0.9	0.0	1.0	–0.8	0.0
WL4	0.3	–0.4	0.0	0.3	–0.3	0.0
SBAL	0.1	3.9	0.0	–0.1	3.3	0.0
DSNW	0.1	3.5	0.0	–0.1	4.7	0.0

LOAD GROUP DESCRIPTION

DL : Roof Dead Load
COLL : Roof Collateral Load
PSLL1 : Pattern Snow Load Left Leanto/Canopy [PSLLxx]
SNOW : Roof Snow Load
LL : Roof Live Load
EQ : Lateral Seismic Load [parallel to plane of frame]
WL1 : Lateral Primary Wind Load
WL2 : Lateral Primary Wind Load
LWL1 : Longitudinal Primary Wind Load
LWL2 : Longitudinal Primary Wind Load
LWL3 : Longitudinal Primary Wind Load
LWL4 : Longitudinal Primary Wind Load
WL3 : Lateral Primary Wind Load
WL4 : Lateral Primary Wind Load
SBAL : Code Calculated Balanced Roof Snow Load
DSNW : Drifting Snow

Revision	Date	Description	By	Ck'd

A&S BUILDING SYSTEMS
1880 HWY. 116, CARYVILLE, TENNESSEE 37714
PHONE: 865–426–2141 FAX: 865–426–2011

Customer: AMERICAN AERIAL SERVICES 75 BISHOP STREET PORTLAND ME 04103

Project Name & Location: BAYSIDE BOWL ADDITION 58 ALDER STREET PORTLAND ME 04101

Drawing Status: ☐ Preliminary (Not For Construction) ☐ For Approval (Not For Construction) ☐ For Construction Permit ☒ For Erector Installation

Scale: NOT TO SCALE
Drawn by: ML 4/23/16
Checked by: MARK 4/23/16
Project Engineer: BDC
Job Number: 15–B–26518–1
Sheet Number: F7 of 8

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.

Lee W. Lowe, P.E.
Maine P.E. 8861

Apr 26, 2016

STATE OF MAINE LEE W. LOWE 8861 LICENSED PROFESSIONAL ENGINEER