



**G2 National**  
2185 Green Vista Dr. #212  
Sparks, NV 89431

**DQ Grill & Chill**  
GN-1689  
18400 Wedge Pkwy  
Reno, NV 89511

**Roof Design Loads**

Building Code:	2018 IBC
LL Deflection:	L/240
TL Deflection:	L/180

  

Roof LL:	20 PSF	Wind Speed:	120 MPH
Roof DL:	25 PSF	Wind Cat:	II
Ground SL:	30 PSF	Wind Exp:	C
Roof SL:	21 PSF	Net Uplift:	10 PSF
TCLL:	20 PSF		
TCDL:	15 PSF		
BCLL:	0 PSF		
BCDL:	10 PSF		

Additional DL at any point:  
(Concurrent with Base D+L Loads only)

TC: 500#  
BC: -

G2T Axial Load: Varies per Truss

CUSTOMER APPROVAL NOTES:  
  
DESIGN NOTES:

Truss Layout  
1/4" = 1'-0"

G2T™ Truss BOM						
Truss Mark	Count	Clear Span	MFG Length	Low End Depth	High End Depth	Truss Type
RT01	2	31' - 8"	31' - 8"	2' - 0 5/16"	2' - 8"	G2T - 44S
RT01A (2 PLY)	1	31' - 8"	31' - 8"	2' - 0 5/16"	2' - 8"	G2T - 44S
RT02	8	33' - 0"	33' - 0"	2' - 0"	2' - 8"	G2T - 44S
RT02A (2 PLY)	1	33' - 0"	33' - 0"	2' - 0"	2' - 8"	G2T - 44S
RT03	2	38' - 4"	38' - 4"	2' - 0"	2' - 9 5/16"	G2T - 44S
RT04	3	16' - 4"	16' - 4"	1' - 0"	1' - 4"	G2T - 44S/42S

Grand total: 17

G2T™ Hanger BOM			
Count	Hanger Name	Joist Nailing	Header Nailing
34	LUS28-2	(4) 0.162 x 3 1/2	(4) 0.162 x 3 1/2

G2 Loose Stud BOM			
Type	Count	Stud Height	Species
S01	4	7' - 0"	DF#2
S02	2	10' - 4"	DF#2

G2 Bottom Chord Bracing BOM		
Product	LF	Material
2x6 BC Bracing	192	2x6 DF #2

G2 Top Plate BOM		
Product	LF	Material
2x6	224	DF #2

G2 Screw BOM	
Count	Product
102	TLOK6
124	FLOK4.5
992	FLOK2.9

G2T™ Jack PAL™ Truss BOM							
Truss Mark	Count	Base Span	MFG Length	Truss Depth	Truss Type	Hanger	Inverted Hanger
JPO1	1	3' - 10 1/4"	3' - 10"	2' - 7 1/8"	G2T	LUS: 44	LUS: 44
JPO1A	1	3' - 10 1/4"	3' - 10"	2' - 6 1/8"	G2T	LUS: 44	LUS: 44
JPO1B	1	3' - 10 1/4"	3' - 10"	2' - 5 1/8"	G2T	LUS: 44	LUS: 44
JPO1C	1	3' - 10 1/4"	3' - 10"	2' - 4 1/8"	G2T	LUS: 44	LUS: 44
JPO1D	1	3' - 10 1/4"	3' - 10"	2' - 3 3/8"	G2T	LUS: 44	LUS: 44
JPO1E	1	3' - 10 1/4"	3' - 10"	2' - 2 3/8"	G2T	LUS: 44	LUS: 44
JPO1F	1	3' - 10 1/4"	3' - 10"	2' - 1 3/8"	G2T	LUS: 44	LUS: 44
JPO2	1	3' - 9 1/4"	3' - 9"	1' - 3"	G2T	LUS: 44	LUS: 44
JPO2A	1	3' - 9 1/4"	3' - 9"	1' - 1 5/16"	G2T	LUS: 44	LUS: 44
JPO2B	1	3' - 9 1/4"	3' - 9"	1' - 0 15/16"	G2T	LUS: 44	LUS: 44
JPO2C	1	3' - 9 1/4"	3' - 9"	2' - 7 1/8"	G2T	LUS: 44	LUS: 44
JPO2D	1	3' - 9 1/4"	3' - 9"	2' - 6 1/8"	G2T	LUS: 44	LUS: 44
JPO2E	1	3' - 9 1/4"	3' - 9"	2' - 5 1/8"	G2T	LUS: 44	LUS: 44
JPO2F	1	3' - 9 1/4"	3' - 9"	2' - 4 1/8"	G2T	LUS: 44	LUS: 44
JPO2G	1	3' - 9 1/4"	3' - 9"	2' - 3 3/8"	G2T	LUS: 44	LUS: 44
JPO2H	1	3' - 9 1/4"	3' - 9"	2' - 2 3/8"	G2T	LUS: 44	LUS: 44
JPO2I	1	3' - 9 1/4"	3' - 9"	2' - 1 3/8"	G2T	LUS: 44	LUS: 44

Grand total: 17

G2 PSP™ BOM						
Panel Mark	Count	MFG Length	PSP Height	PSP Type	PAL Connection	Product Type
P01	21	3' - 8 1/4"	5' - 4 3/8"	Standard	A2	PSP
P01A	3	3' - 4 3/4"	5' - 4 3/8"	Standard	A2	PSP
P01B	1	3' - 0 1/4"	5' - 4 3/8"	Standard	A2	PSP
P01C	1	1' - 8 1/2"	5' - 4 3/8"	Standard	A2	PSP
P01D	1	5' - 3 3/4"	5' - 4 3/8"	Standard	A2	PSP
P01E	1	4' - 10 1/4"	5' - 4 3/8"	Standard	A2	PSP
P01F	1	2' - 5"	5' - 4 3/8"	Standard	A2	PSP
P01G	1	2' - 8 3/4"	5' - 4 3/8"	Standard	A2	PSP
P01H	1	2' - 8 3/4"	5' - 4 3/8"	Standard	A2	PSP
P01I	1	5' - 0 1/4"	5' - 4 3/8"	Standard	A2	PSP
P01J	1	3' - 3 3/4"	5' - 4 3/8"	Standard	A2	PSP
P02	5	3' - 8 1/4"	7' - 8 3/4"	Standard	A2	PSP
P02A	1	3' - 4 3/4"	7' - 8 3/4"	Standard	A2	PSP
P02B	1	3' - 4 1/2"	7' - 8 3/4"	Standard	A2	PSP
P02C	1	3' - 0 1/4"	7' - 8 3/8"	Standard	A2	PSP

G2 PSP™ BOM						
Panel Mark	Count	MFG Length	PSP Height	PSP Type	PAL Connection	Product Type
P03	7	3' - 8 1/4"	2' - 0 3/8"	Standard	A2	PSP
P03A	1	1' - 7"	2' - 0 3/8"	Standard	A2	PSP
P03B	1	1' - 7"	2' - 0 3/8"	Standard	A2	PSP
P03C	1	3' - 4 3/4"	2' - 0 3/8"	Standard	A2	PSP
P04	1	3' - 8 1/4"	6' - 4 3/8"	Standard	A2	PSP
P05	1	3' - 8 1/4"	7' - 8 3/8"	Special	A2	PSP
P06	1	3' - 8 1/4"	7' - 8 3/8"	Special	A2	PSP
PC01	1	3' - 10"	5' - 4 3/8"	Corner	A2	PSP
PC01A	1	3' - 9"	5' - 4 3/8"	Corner	A2	PSP
PC01B	1	1' - 3 1/2"	5' - 4 3/8"	Corner	A2	PSP
PC01C	1	3' - 9"	5' - 4 3/8"	Corner	A2	PSP
PC02	1	3' - 10"	7' - 8 3/4"	Corner	A2	PSP
PC03	2	3' - 9"	2' - 0 3/8"	Corner	A2	PSP
PC04	1	2' - 10"	6' - 4 3/8"	Corner	A2	PSP

G2 Roof Stiffener BOM		
Count	Description	Length
266	2x4 DF#2	3' - 8 1/4"

Panel Hanger BOM	
Type	QTY
PH24	532

Designer: KRB

Revision Schedule		
No.	Description	Date
2	OFA-2	04/17/23

**PRS™ Roof Layout**  
**4**