

POST/FOOTING SCHEDULE 12' - 24' SPANS, 40 PSF LIVE LOAD, GLUE LAMINATED TIMBER TECH SYP #1 TREATED POSTS										
POST	COLUMN		FOOTING		CONCRETE	CORNER COLUMN		FOOTING		CONCRETE
SPACING	"H"	W X D	"B" DIA.	"T"	VOLUME, YD3	W X D		"B" DIA.	"T"	VOLUME, YD3
10'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	THREE PLY 4 1/2" X 5 3/8"		20"	3'-0"	0.25
10'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	THREE PLY 4 1/2" X 5 3/8"		20"	3'-0"	0.25
10'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	THREE PLY 4 1/2" X 5 3/8"		20"	3'-0"	0.25
10'-0"	14'-0"	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	THREE PLY 4 1/2" X 5 3/8"		20"	3'-0"	0.25
10'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35	THREE PLY 4 1/2" X 5 3/8"		20"	3'-0"	0.25
10'-0"	18'-0"	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35	THREE PLY 4 1/2" X 5 3/8"		20"	3'-0"	0.25
10'-0"	20'-0"	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35	THREE PLY 4 1/2" X 5 3/8"		20"	3'-0"	0.25
12'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	26"	3'-0"	0.41	THREE PLY 4 1/2" X 5 3/8"		22"	3'-0"	0.30
12'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	26"	3'-0"	0.41	THREE PLY 4 1/2" X 5 3/8"		22"	3'-0"	0.30
12'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	26"	3'-0"	0.41	THREE PLY 4 1/2" X 5 3/8"		22"	3'-0"	0.30
12'-0"	14'-0"	THREE PLY 4 1/8" X 5 3/8"	26"	3'-0"	0.41	THREE PLY 4 1/2" X 5 3/8"		22"	3'-0"	0.30
12'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	26"	3'-0"	0.41	THREE PLY 4 1/2" X 5 3/8"		22"	3'-0"	0.30
12'-0"	18'-0"	FOUR PLY 5 1/2" X 7 1/8"	28"	3'-0"	0.48	THREE PLY 4 1/2" X 5 3/8"		22"	3'-0"	0.30
12'-0"	20'-0"	FOUR PLY 5 1/2" X 7 1/8"	28"	3'-0"	0.48	THREE PLY 4 1/2" X 5 3/8"		22"	3'-0"	0.30

**NOTES FOR ENDWALL POSTS:**

1. ENDWALL POSTS SHALL BE 4 1/8" X 5 3/8" THREE PLY GLUE LAM SYP #1 TREATED POSTS FOR BUILDINGS UP TO 16'-0" WALL HEIGHT. ABOVE 16'-0" WALL HEIGHT, POSTS SHALL BE 5 1/2" X 5 3/8" FOUR PLY GLUE LAM SYP #1 TREATED POSTS.
2. FOOTINGS FOR ENDWALL POSTS SHALL BE A MINIMUM OF 20"Ø X 3'-0" DEEP FOR WALL HEIGHTS TO 16'-0". ABOVE 16'-0" WALL HEIGHTS, POST FOOTINGS SHALL BE 24"Ø X 3'-4" DEEP.
3. THE ABOVE FOOTING DESIGNS ARE FOR POST FRAME BUILDINGS WITH CONSTRAINED POSTS (CONCRETE OR ASPHALT FLOORS). IF THE BUILDING WILL NOT HAVE CONSTRAINED POSTS, INCREASE THE POST DEPTH 8".



NOTE: THESE PLANS DO NOT ADDRESS OPEN (CANOPY) BUILDINGS. OTHER VARIATIONS FROM THE PLANS (ROOF PITCH, LARGER OPENINGS, MULTIPLE BUILDINGS, ETC.) WILL REQUIRE ACTION BY THE ENGINEER.

<b>WAMBEKE ENGINEERING</b>			
Daniel Wambeke, P. E.		2913 East 61st Court Spokane, WA 99223	
Tel: 509-443-6186 Fax: 509-448-6582 e-mail: dwanbeke@nsn.com			
POST & FOOTING SIZES 12' TO 24' SPANS - 40 PSF LIVE LOAD STANDARD POST FRAME BUILDING PLANS			
DRAWN BY WAMBEKE	DATE 12-26-18	IBC05.40	REV.
APPROVED	SCALE NTS		

POST/FOOTING SCHEDULE 30' SPANS, 40 PSF LIVE LOAD, GLUE LAMINATED TIMBER TECH SYP #1 TREATED POSTS									
POST	COLUMN		FOOTING		CONCRETE	CORNER COLUMN	FOOTING		CONCRETE
SPACING	"H"	W X D	"B" DIA.	"T"	VOLUME, YD <sup>3</sup>	W X D	"B" DIA.	"T"	VOLUME, YD <sup>3</sup>
10'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	27"	3'-0"	0.45	THREE PLY 4 1/8" X 5 3/8"	22"	3'-0"	0.30
10'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	27"	3'-0"	0.45	THREE PLY 4 1/8" X 5 3/8"	22"	3'-0"	0.30
10'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	27"	3'-0"	0.45	THREE PLY 4 1/8" X 5 3/8"	22"	3'-0"	0.30
10'-0"	14'-0"	THREE PLY 4 1/8" X 5 3/8"	27"	3'-0"	0.45	THREE PLY 4 1/8" X 5 3/8"	22"	3'-0"	0.30
10'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	27"	3'-0"	0.45	FOUR PLY 5 1/2" X 5 3/8"	22"	3'-0"	0.30
10'-0"	18'-0"	FOUR PLY 5 1/2" X 5 3/8"	27"	3'-0"	0.45	FOUR PLY 5 1/2" X 5 3/8"	22"	3'-0"	0.30
10'-0"	20'-0"	FOUR PLY 5 1/2" X 5 3/8"	27"	3'-0"	0.45	FOUR PLY 5 1/2" X 5 3/8"	22"	3'-0"	0.30
12'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
12'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
12'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
12'-0"	14'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
12'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	30"	3'-0"	0.55	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35
12'-0"	18'-0"	FOUR PLY 5 1/2" X 7 1/8"	30"	3'-0"	0.55	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35
12'-0"	20'-0"	FOUR PLY 5 1/2" X 7 1/8"	30"	3'-0"	0.55	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35

**NOTES FOR ENDWALL POSTS:**

1. ENDWALL POSTS SHALL BE 4 1/8" X 5 3/8" THREE PLY GLUE LAM SYP #1 TREATED POSTS FOR BUILDINGS UP TO 16'-0" WALL HEIGHT. ABOVE 16'-0" WALL HEIGHT, POSTS SHALL BE 5 1/2" X 5 3/8" FOUR PLY GLUE LAM SYP #1 TREATED POSTS.
2. FOOTINGS FOR ENDWALL POSTS SHALL BE A MINIMUM OF 20"Ø X 3'-0" DEEP FOR WALL HEIGHTS TO 16'-0". ABOVE 16'-0" WALL HEIGHTS, POST FOOTINGS SHALL BE 24"Ø X 3'-4" DEEP.
3. THE ABOVE FOOTING DESIGNS ARE FOR POST FRAME BUILDINGS WITH CONSTRAINED POSTS (CONCRETE OR ASPHALT FLOORS). IF THE BUILDING WILL NOT HAVE CONSTRAINED POSTS, INCREASE THE POST DEPTH 8".



NOTE: THESE PLANS DO NOT ADDRESS OPEN (CANOPY) BUILDINGS. OTHER VARIATIONS FROM THE PLANS (ROOF PITCH, LARGER OPENINGS, MULTIPLE BUILDINGS, ETC.) WILL REQUIRE ACTION BY THE ENGINEER.

<b>WAMBEKE ENGINEERING</b>			
Daniel Wambeke, P. E.		2913 East 61st Court Spokane, WA 99223	
Tel: 509-443-6186 Fax: 509-448-6582 e-mail: dwanbeke@nsn.com			
POST & FOOTING SIZES 26' TO 32' SPANS - 40 PSF LIVE LOAD STANDARD POST FRAME BUILDING PLANS			
DRAWN BY WAMBEKE	DATE 12-26-18	IBC05.40	REV.
APPROVED	SCALE NTS		

POST/FOOTING SCHEDULE 36' SPANS, 40 PSF LIVE LOAD, GLUE LAMINATED TIMBER TECH SYP #1 TREATED POSTS									
POST	COLUMN		FOOTING		CONCRETE	CORNER COLUMN	FOOTING		CONCRETE
SPACING	"H"	W X D	"B" DIA.	"T"	VOLUME, YD <sup>3</sup>	W X D	"B" DIA.	"T"	VOLUME, YD <sup>3</sup>
10'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
10'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
10'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
10'-0"	14'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
10'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	30"	3'-0"	0.55	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35
10'-0"	18'-0"	FOUR PLY 5 1/2" X 7 1/8"	30"	3'-0"	0.55	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.41
10'-0"	20'-0"	FOUR PLY 5 1/2" X 7 1/8"	32"	3'-0"	0.63	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.41
12'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	32"	3'-0"	0.63	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.41
12'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	32"	3'-0"	0.63	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.41
12'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	32"	3'-0"	0.63	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.41
12'-0"	14'-0"	THREE PLY 4 1/8" X 5 3/8"	32"	3'-0"	0.63	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.41
12'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	32"	3'-0"	0.63	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.41
12'-0"	18'-0"	FOUR PLY 5 1/2" X 7 1/8"	32"	3'-0"	0.63	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.41
12'-0"	20'-0"	FOUR PLY 5 1/2" X 7 1/8"	32"	3'-0"	0.63	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.41

**NOTES FOR ENDWALL POSTS:**

1. ENDWALL POSTS SHALL BE 4 1/8" X 5 3/8" THREE PLY GLUE LAM SYP #1 TREATED POSTS FOR BUILDINGS UP TO 16'-0" WALL HEIGHT. ABOVE 16'-0" WALL HEIGHT, POSTS SHALL BE 5 1/2" X 5 3/8" FOUR PLY GLUE LAM SYP #1 TREATED POSTS.
2. FOOTINGS FOR ENDWALL POSTS SHALL BE A MINIMUM OF 20"Ø X 3'-0" DEEP FOR WALL HEIGHTS TO 16'-0". ABOVE 16'-0" WALL HEIGHTS, POST FOOTINGS SHALL BE 24"Ø X 3'-4" DEEP.
3. THE ABOVE FOOTING DESIGNS ARE FOR POST FRAME BUILDINGS WITH CONSTRAINED POSTS (CONCRETE OR ASPHALT FLOORS). IF THE BUILDING WILL NOT HAVE CONSTRAINED POSTS, INCREASE THE POST DEPTH 8".



NOTE: THESE PLANS DO NOT ADDRESS OPEN (CANOPY) BUILDINGS. OTHER VARIATIONS FROM THE PLANS (ROOF PITCH, LARGER OPENINGS, MULTIPLE BUILDINGS, ETC.) WILL REQUIRE ACTION BY THE ENGINEER.

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Tel: 509-443-6186		Fax: 509-448-6582 e-mail: dwambeke@nsn.com	
POST & FOOTING SIZES 34' TO 38' SPANS - 40 PSF LIVE LOAD STANDARD POST FRAME BUILDING PLANS			
DRAWN BY WAMBEKE	DATE 12-26-18	IBC05.40	REV.
APPROVED	SCALE NTS		

POST/FOOTING SCHEDULE 40' SPANS, 40 PSF LIVE LOAD, GLUE LAMINATED TIMBER TECH SYP #1 TREATED POSTS										
POST	COLUMN		FOOTING		CONCRETE	CORNER COLUMN		FOOTING		CONCRETE
SPACING	"H"	W X D	"B" DIA.	"T"	VOLUME, YD3	W X D	"B" DIA.	"T"	VOLUME, YD3	
10'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	
10'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	
10'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	
10'-0"	14'-0"	FOUR PLY 5 1/2" X 5 3/8"	30"	3'-0"	0.55	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	
10'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	30"	3'-0"	0.55	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35	
10'-0"	18'-0"	FOUR PLY 5 1/2" X 7 1/8"	30"	3'-0"	0.55	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35	
10'-0"	20'-0"	FOUR PLY 5 1/2" X 7 1/8"	30"	3'-0"	0.55	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35	
12'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	33"	3'-0"	0.66	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	
12'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	33"	3'-0"	0.66	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	
12'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	33"	3'-0"	0.66	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	
12'-0"	14'-0"	FOUR PLY 5 1/2" X 5 3/8"	33"	3'-0"	0.66	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35	
12'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	33"	3'-0"	0.66	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35	
12'-0"	18'-0"	FOUR PLY 5 1/2" X 7 1/8"	34"	3'-0"	0.70	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35	
12'-0"	20'-0"	FOUR PLY 5 1/2" X 7 1/8"	34"	3'-0"	0.70	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35	

**NOTES FOR ENDWALL POSTS:**

1. ENDWALL POSTS SHALL BE 4 1/8" X 5 3/8" THREE PLY GLUE LAM SYP #1 TREATED POSTS FOR BUILDINGS UP TO 16'-0" WALL HEIGHT. ABOVE 16'-0" WALL HEIGHT, POSTS SHALL BE 5 1/2" X 5 3/8" FOUR PLY GLUE LAM SYP #1 TREATED POSTS.
2. FOOTINGS FOR ENDWALL POSTS SHALL BE A MINIMUM OF 20"Ø X 3'-0" DEEP FOR WALL HEIGHTS TO 16'-0". ABOVE 16'-0" WALL HEIGHTS, POST FOOTINGS SHALL BE 24"Ø X 3'-4" DEEP.
3. THE ABOVE FOOTING DESIGNS ARE FOR POST FRAME BUILDINGS WITH CONSTRAINED POSTS (CONCRETE OR ASPHALT FLOORS). IF THE BUILDING WILL NOT HAVE CONSTRAINED POSTS, INCREASE THE POST DEPTH 8".



NOTE: THESE PLANS DO NOT ADDRESS OPEN (CANOPY) BUILDINGS. OTHER VARIATIONS FROM THE PLANS (ROOF PITCH, LARGER OPENINGS, MULTIPLE BUILDINGS, ETC.) WILL REQUIRE ACTION BY THE ENGINEER.

<b>WAMBEKE ENGINEERING</b>			
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Tel: 509-443-6186		Fax: 509-448-6362 e-mail: dwambeke@nsn.com	
POST & FOOTING SIZES 38' TO 42' SPANS - 40 PSF LIVE LOAD STANDARD POST FRAME BUILDING PLANS			
DRAWN BY WAMBEKE	DATE 12-26-18	IBC05.40	REV.
APPROVED	SCALE NTS		

POST/FOOTING SCHEDULE 50' SPANS, 40 PSF LIVE LOAD, GLUE LAMINATED TIMBER TECH SYP #1 TREATED POSTS									
POST	COLUMN		FOOTING		CONCRETE	CORNER COLUMN	FOOTING		CONCRETE
SPACING	"H"	W X D	"B" DIA.	"T"	VOLUME, YD3	W X D	"B" DIA.	"T"	VOLUME, YD3
10'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	34"	3'-0"	0.70	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
10'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	34"	3'-0"	0.70	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
10'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	34"	3'-0"	0.70	THREE PLY 4 1/8" X 5 3/8"	24"	3'-0"	0.35
10'-0"	14'-0"	THREE PLY 4 1/8" X 5 3/8"	34"	3'-0"	0.70	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35
10'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	34"	3'-0"	0.70	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35
10'-0"	18'-0"	FOUR PLY 5 1/2" X 7 1/8"	34"	3'-0"	0.70	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35
10'-0"	20'-0"	FOUR PLY 5 1/2" X 7 1/8"	34"	3'-0"	0.70	FOUR PLY 5 1/2" X 5 3/8"	24"	3'-0"	0.35
12'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	38"	3'-0"	0.88	THREE PLY 4 1/8" X 5 3/8"	27"	3'-0"	0.45
12'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	38"	3'-0"	0.88	THREE PLY 4 1/8" X 5 3/8"	27"	3'-0"	0.45
12'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	38"	3'-0"	0.88	THREE PLY 4 1/8" X 5 3/8"	27"	3'-0"	0.45
12'-0"	14'-0"	THREE PLY 4 1/8" X 5 3/8"	38"	3'-0"	0.88	FOUR PLY 5 1/2" X 5 3/8"	27"	3'-0"	0.45
12'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	38"	3'-0"	0.88	FOUR PLY 5 1/2" X 5 3/8"	27"	3'-0"	0.45
12'-0"	18'-0"	FOUR PLY 5 1/2" X 7 1/8"	38"	3'-0"	0.88	FOUR PLY 5 1/2" X 5 3/8"	28"	3'-0"	0.45
12'-0"	20'-0"	FOUR PLY 5 1/2" X 7 1/8"	38"	3'-0"	0.88	FOUR PLY 5 1/2" X 5 3/8"	28"	3'-0"	0.45

**NOTES FOR ENDWALL POSTS:**

1. ENDWALL POSTS SHALL BE 4 1/8" X 5 3/8" THREE PLY GLUE LAM SYP #1 TREATED POSTS FOR BUILDINGS UP TO 16'-0" WALL HEIGHT. ABOVE 16'-0" WALL HEIGHT, POSTS SHALL BE 5 1/2" X 5 3/8" FOUR PLY GLUE LAM SYP #1 TREATED POSTS.
2. FOOTINGS FOR ENDWALL POSTS SHALL BE A MINIMUM OF 20"Ø X 3'-0" DEEP FOR WALL HEIGHTS TO 16'-0". ABOVE 16'-0" WALL HEIGHTS, POST FOOTINGS SHALL BE 24"Ø X 3'-4" DEEP.
3. THE ABOVE FOOTING DESIGNS ARE FOR POST FRAME BUILDINGS WITH CONSTRAINED POSTS (CONCRETE OR ASPHALT FLOORS). IF THE BUILDING WILL NOT HAVE CONSTRAINED POSTS, INCREASE THE POST DEPTH 8".



NOTE: THESE PLANS DO NOT ADDRESS OPEN (CANOPY) BUILDINGS. OTHER VARIATIONS FROM THE PLANS (ROOF PITCH, LARGER OPENINGS, MULTIPLE BUILDINGS, ETC. WILL REQUIRE ACTION BY THE ENGINEER.

<b>WAMBEKE ENGINEERING</b>		
Daniel Wambeke, P. E.		8913 East 61st Court Spokane, WA 99223
Tel: 509-443-6186 Fax: 509-448-6582 e-mail: dwwambeke@msn.com		
POST & FOOTING SIZES 48' TO 52' SPANS - 40 PSF LIVE LOAD STANDARD POST FRAME BUILDING PLANS		
DRAWN BY WAMBEKE	DATE 12-26-18	IBC05.40
APPROVED	SCALE NTS	
		REV.

POST/FOOTING SCHEDULE 60' SPANS, 40 PSF LIVE LOAD, GLUE LAMINATED TIMBER TECH SYP #1 TREATED POSTS									
POST	COLUMN		FOOTING		CONCRETE	CORNER COLUMN	FOOTING		CONCRETE
SPACING	"H"	W X D	"B" DIA.	"T"	VOLUME, YD3	W X D	"B" DIA.	"T"	VOLUME, YD3
10'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	36"	3'-0"	0.79	THREE PLY 4 1/8" X 5 3/8"	27"	3'-0"	0.45
10'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	36"	3'-0"	0.79	THREE PLY 4 1/8" X 5 3/8"	27"	3'-0"	0.45
10'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	36"	3'-0"	0.79	THREE PLY 4 1/8" X 5 3/8"	27"	3'-0"	0.45
10'-0"	14'-0"	THREE PLY 4 1/8" X 5 3/8"	36"	3'-0"	0.79	FOUR PLY 5 1/2" X 5 3/8"	27"	3'-0"	0.45
10'-0"	16'-0"	FOUR PLY 5 1/2" X 5 3/8"	36"	3'-0"	0.79	FOUR PLY 5 1/2" X 5 3/8"	27"	3'-0"	0.45
10'-0"	18'-0"	FOUR PLY 5 1/2" X 7 1/8"	38"	3'-0"	0.88	FOUR PLY 5 1/2" X 5 3/8"	27"	3'-0"	0.45
10'-0"	20'-0"	FOUR PLY 5 1/2" X 7 1/8"	38"	3'-0"	0.88	FOUR PLY 5 1/2" X 5 3/8"	27"	3'-0"	0.45
12'-0"	8'-0"	THREE PLY 4 1/8" X 5 3/8"	40"	3'-0"	0.97	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55
12'-0"	10'-0"	THREE PLY 4 1/8" X 5 3/8"	40"	3'-0"	0.97	THREE PLY 4 1/8" X 5 3/8"	30"	3'-0"	0.55
12'-0"	12'-0"	THREE PLY 4 1/8" X 5 3/8"	40"	3'-0"	0.97	FOUR PLY 5 1/2" X 5 3/8"	30"	3'-0"	0.55
12'-0"	14'-0"	THREE PLY 4 1/8" X 5 3/8"	40"	3'-0"	0.97	FOUR PLY 5 1/2" X 5 3/8"	30"	3'-0"	0.55
12'-0"	16'-0"	FOUR PLY 5 1/2" X 7 1/8"	42"	3'-0"	1.07	FOUR PLY 5 1/2" X 5 3/8"	30"	3'-0"	0.55
12'-0"	18'-0"	FOUR PLY 5 1/2" X 7 1/8"	42"	3'-0"	1.07	FOUR PLY 5 1/2" X 5 3/8"	32"	3'-0"	0.63
12'-0"	20'-0"	FOUR PLY 5 1/2" X 7 1/8"	42"	3'-0"	1.07	FOUR PLY 5 1/2" X 5 3/8"	32"	3'-0"	0.63

**NOTES FOR ENDWALL POSTS:**

1. ENDWALL POSTS SHALL BE 4 1/8" X 5 3/8" THREE PLY GLUE LAM SYP #1 TREATED POSTS FOR BUILDINGS UP TO 16'-0" WALL HEIGHT. ABOVE 16'-0" WALL HEIGHT, POSTS SHALL BE 5 1/2" X 5 3/8" FOUR PLY GLUE LAM SYP #1 TREATED POSTS.
2. FOOTINGS FOR ENDWALL POSTS SHALL BE A MINIMUM OF 20"Ø X 3'-0" DEEP FOR WALL HEIGHTS TO 16'-0". ABOVE 16'-0" WALL HEIGHTS, POST FOOTINGS SHALL BE 24"Ø X 3'-4" DEEP.
3. THE ABOVE FOOTING DESIGNS ARE FOR POST FRAME BUILDINGS WITH CONSTRAINED POSTS (CONCRETE OR ASPHALT FLOORS). IF THE BUILDING WILL NOT HAVE CONSTRAINED POSTS, INCREASE THE POST DEPTH 8".



NOTE: THESE PLANS DO NOT ADDRESS OPEN (CANOPY) BUILDINGS. OTHER VARIATIONS FROM THE PLANS (ROOF PITCH, LARGER OPENINGS, MULTIPLE BUILDINGS, ETC.) WILL REQUIRE ACTION BY THE ENGINEER.

<b>WAMBEKE ENGINEERING</b>			
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POST & FOOTING SIZES 54' TO 60' SPANS - 40 PSF LIVE LOAD STANDARD POST FRAME BUILDING PLANS			
DRAWN BY WAMBEKE		DATE 12-26-18	IBC05.40
APPROVED		SCALE NTS	
			REV.