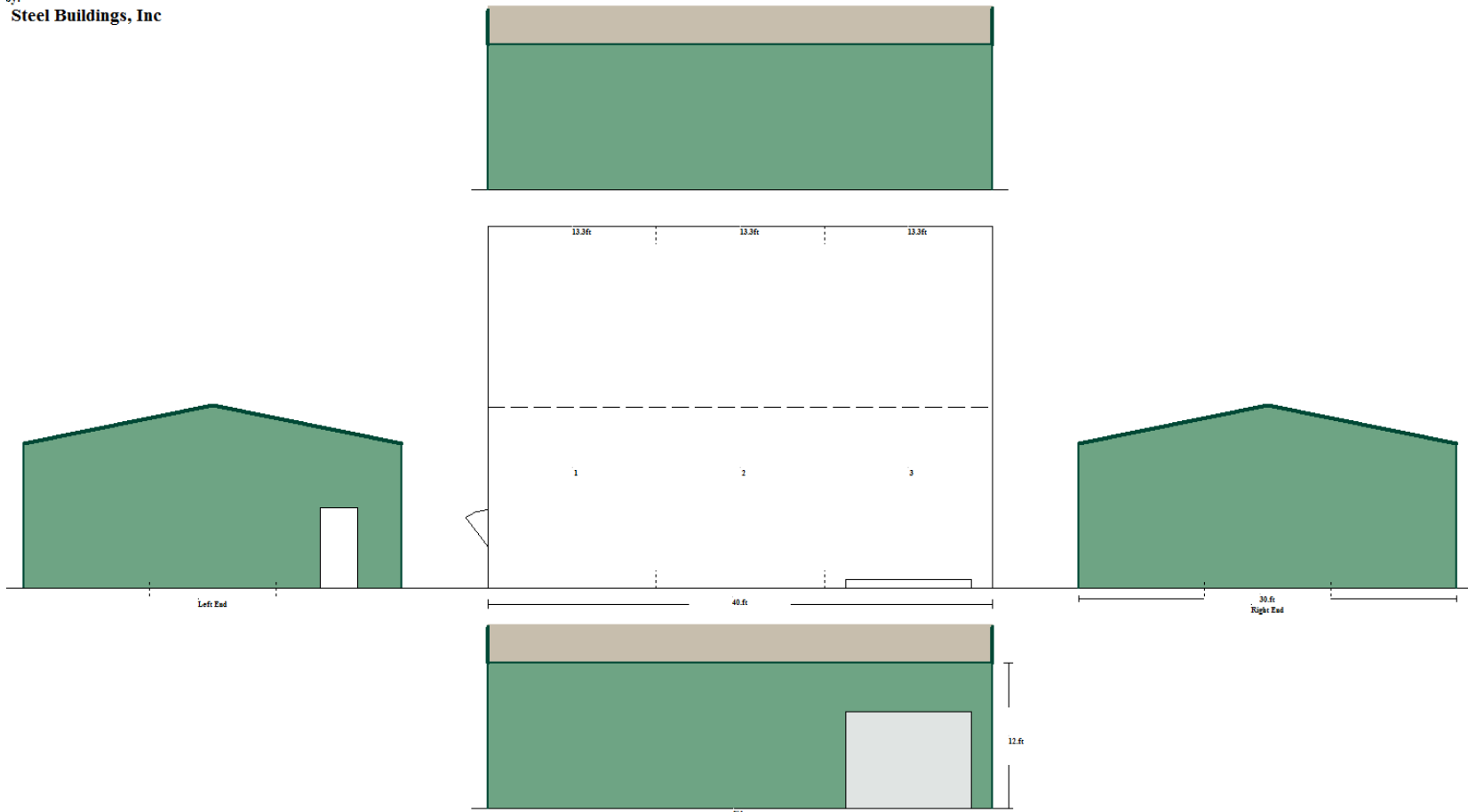




# Garage and Workshop

## 30 X 40 X 12

by:  
Steel Buildings, Inc



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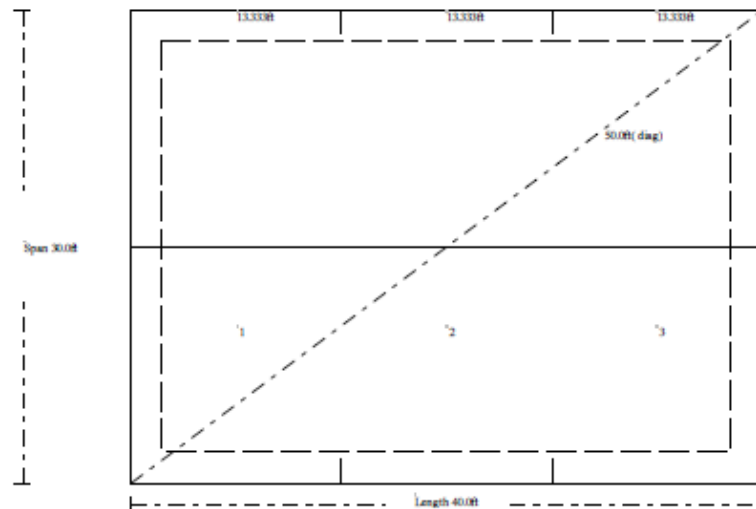


# Garage and Workshop 30 X 40 X 12

## Structural Details and Foundation Guideline

### Structural Details

DIMENSIONS: Span 30.0 Length 40.0 Eaves 12.0 Apex 15.19 Roof Pitch 2.55:12  
 RAFTERS. 12 x 2C08X14 @ 14.0ft long  
 COLUMNS. 12 x 2C08X14 @ 11.86ft long  
 EAVES PURLIN. 6 x C06X16 @ 13.33ft long  
 PURLINS. 4 rows of Z6X16 @ 13.63ft long and 3.74ft Spacing.  
 SIDE GIRTS. 4 rows of Z6X16 @ 13.63ft long and 2.94ft Spacing.  
 END GIRTS. 5 rows of Z4X16 @ 9.52ft long and 2.94ft Spacing.  
 ENDWALL COLUMNS. 2 per end of C08X14 ROOF PITCH 12.0Deg  
 Classic Rib 26GA Ptd Light Stone ROOF SHEETS. @ 15.5ft long  
 Classic Rib 26GA Ptd Sierra Green WALL SHEETS. @ 12.ft long  
 ROOF FASTENERS. 12-14 X 1 7/8 Crest Fixing Tek Ptd  
 PURLIN/GIRT FASTENERS. 14x1 Screw Tek Hex Bare CL3 H/Duty  
 FRAME CONNECTIONS by 5/8in x 1 1/4 Bolt Ass High Tensile  
 8 Knee Braces Used @ 7.4ft of 6in 16G CEE - Knee Brace Start Height = 6.31ft  
 4 Apex Braces Used @ 10.0ft of 6in 16G CEE  
 2 Downspout drops requiring 3 x 10ft Lths of pipe.  
 836ft of Bracing Strap (100ft roll) 1 1/2 x 14G Required, Supplied as 9 X 100ft rolls.  
 X Bracing requires 822ft of 1 1/2in x 14G Strapping Single  
 Flybracing included at 8.81ft for EndWall mullions.  
 and at 8.0ft Max for interior frame rafters and columns with wall girts.  
 \* Base angle provided in lieu of bottom girt.  
 Monolithic Concrete Slab Edge Estimate, edge 12in wide by 12in deep  
 with (1)-#4 at top of slab edge and (1)-#4 at bottom of slab edge





# Garage and Workshop

## 30 X 40 X 12

- Engineered Drawings for Building and Foundation
- Structural Steel for Building
- Steel Framing all Doors
- Gutters and Downspouts
- All Bolts and Fasteners for Erection including Color-Matched screws
- 26 Gauge Steel Classic Rib Paneling Siding and Roofing
- 1 TelStar Steel 3' X 6'8" Steel Door
- 1 Clopay Canister 10' X 8' Door