**Shooting Gallery:**

Columns: 4”x8” Southern Pine

Rafter: 3”x5.5” Glue Laminated southern pine

Crossbeams: 2-3.5” x 11.87” Georgia Pacific GP lam LVL

Roof Materials: 1.25” Plywood, 0.5” AR400 Steel Plate, 0.5” Plywood, 1.5” Corrugated Metal Decking

Roof Connector (Target Side): (4) 1/2”x2” Bolts (16) #6x1/2” Pan-Head Screws (For Metal Decking)

Roof Connectors (Steel free side): (16) #10x2-1/2 DSV Wood Screws and (16) #8x1-1/4” Truss-Head Screws (For Metal Decking)

Crossbeam Connector: LPC4Z with (4) 0.148"X3" Annular Ring Shank nails into the cross beam and (4) 0.148"x1-1/2" Annular Ring Shank nails into the column.

Lower Rafter Connector: H2.5T with (10) 0.131"x2-1/2" Annular Ring Shank nails.

Upper Rafter Connector: U24-2 with (8) 0.162"x2-1/2" Annular Ring Shank Nails going into the cross beam and (4) 0.148"x 1-1/2" Strong Drive Annular Ring Shank nails going into the rafters.

Footer: CB48 With (2) 5/8” x5” RFB Bolts

Cross beam joiners: HTP37Z Tie Plate (20) 0.148” X 1-1/2” annual ring shank nail

Rafter to roof connection: GA2 will be installed using (3) 0.131"x1-1/2" Smooth-Shank nails into the rafters and (3) #8x1-1/4" Truss-Head screws installed into plywood roofing.

**Baffle:**

Footers: CB88 With (2) 3/4” x 5” RFB Bolts

Columns: 8”x8” Southern Pine

Baffle Materials: 0.75” AR400 Steel plate, 1.25” Plywood sheet

Lower Column Protection Material: 0.2” AR400 Steel Triangle Plate

Lower Column Protection Connector: (4) 0.148"x1-1/2" Annular Ring Shank nails will connect the LS50 to the post and (2) 3/16"x1" bolts will be used to connect the LS50 to the steel plate

Upper Column Protection Material: 0.2” AR400 Steel Plate

Upper Column Protection Connector: (4) 1/4"x1-1/2" SDS Heavy-Duty Connector Screw

Lower Baffle Support: HU359 Hanger use (14) 0.162"x3-1/2" Annular Ring Shank nails when installing into wood column, and use (3) 0.162"x 1" Annular Ring Shank nails when installing hanger into the plywood.

Wood Side Baffle Extra support: GA1 Gusset Angle will have (3) #9x1-1/2" wood screws attaching it to the column and (3) #9x1-1/4" wood screws attaching it to the plywood.

Steel extra support: L70 connector will have (4) #10x3/4" Strong drive XE Exterior Structural Metal screw to connect the AR400 to the connector and (4) 0.148"x1-1/2" Annular Ring Shank Nail into the columns.

Baffle Materials: 1.5” Plywood and 0.75” AR400 Steel

Baffle Layers Connector: (4) 1/2"x3" bolts will be used to connect the AR400 plate and 1.25" plywood together