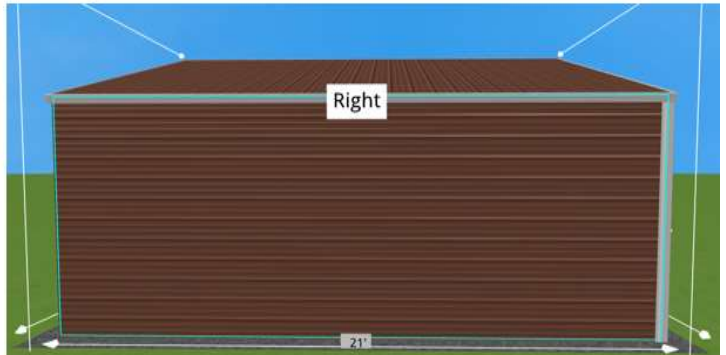
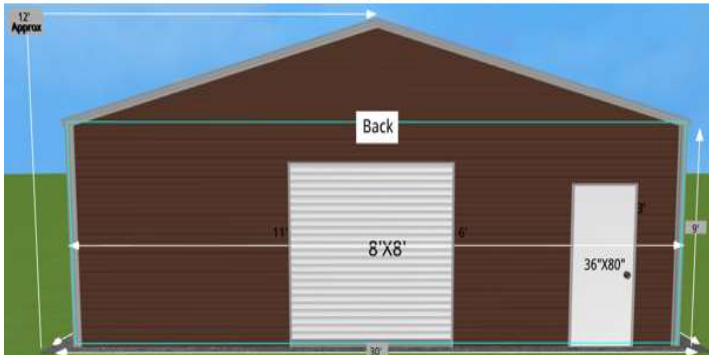
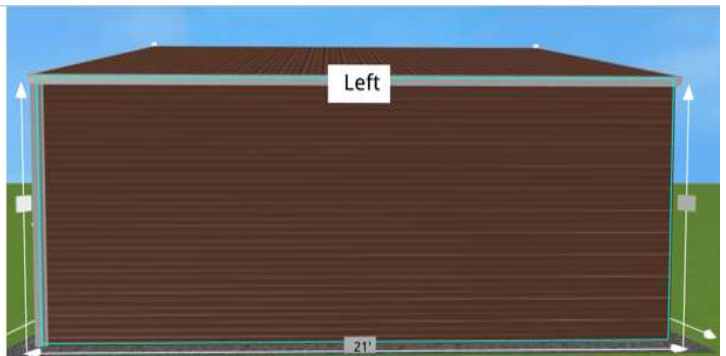


QUALITY STEEL BUILDINGS

BEATING OUR COMPETITION, MAKING HIGH QUALITY BUILDINGS IS OUR MISSION

Specifications for Garage



Size: **30W x 21L x 9H** – 600 Square Feet

Snow load: 40 lbs. Ground Snow Load

Sides: Closed

Ends: Front Open, Back Enclosed

Roll Up Garage Door: (1) 8 x 8

Door: (1) Man Door

Frame: 14 Ga Sq. tubing

Sheet Metal: 29 Gauge

Height: 9' ft Walls Peak will be around 12'

Roof: 3/12 pitch Vertical

Wind: 90 MPH with 105 mph Wind Gust

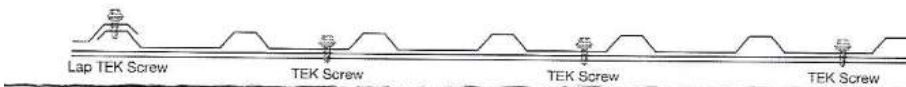
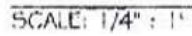
Anchors: (16) Titen HD Anchors

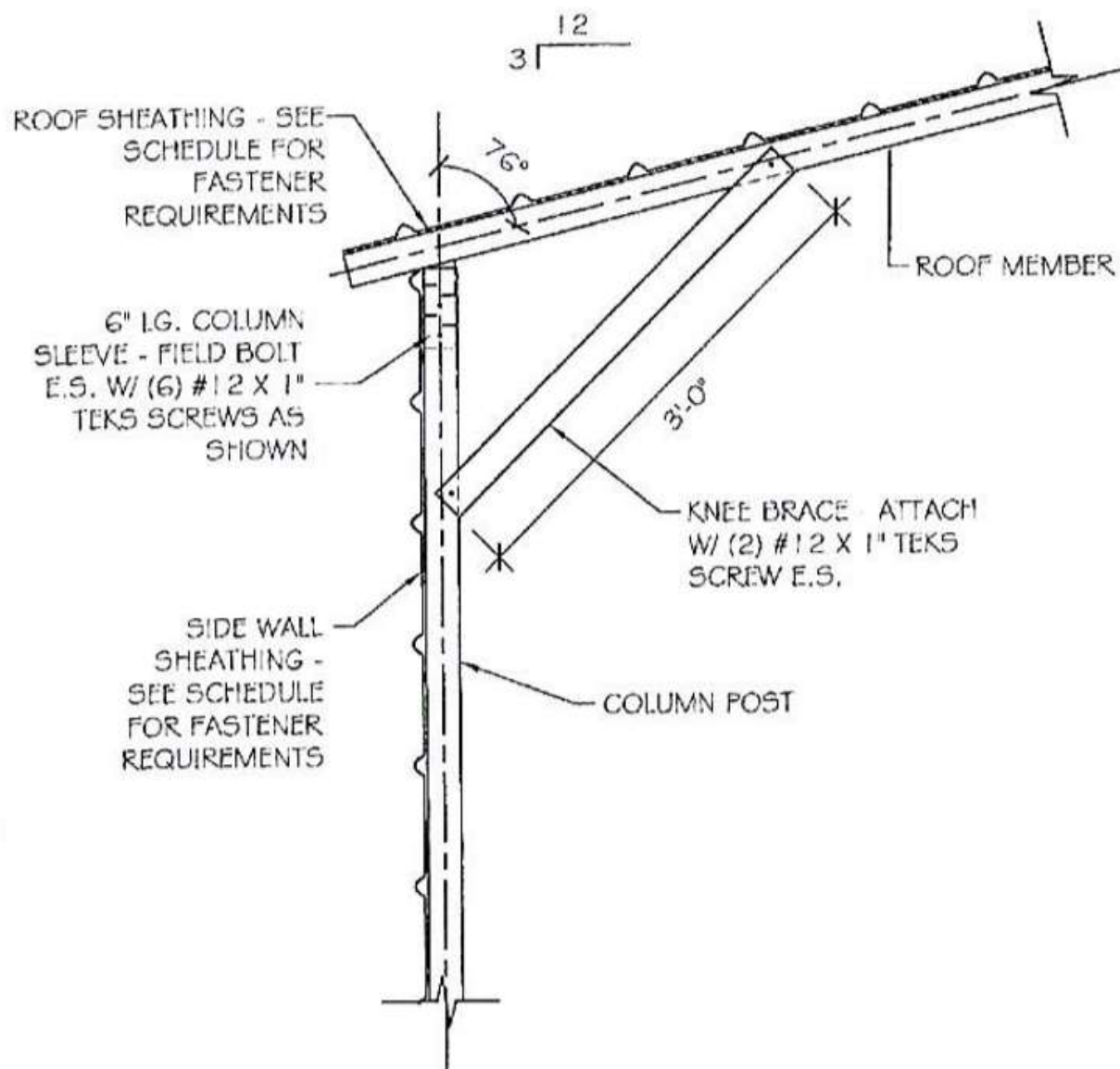
All Quality Buildings are engineered by A&A Engineering

Sales: Ashton Parker 435-200-4827

Quality Steel Building's: 801-560-1889

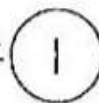
UT License # 10441146-5501

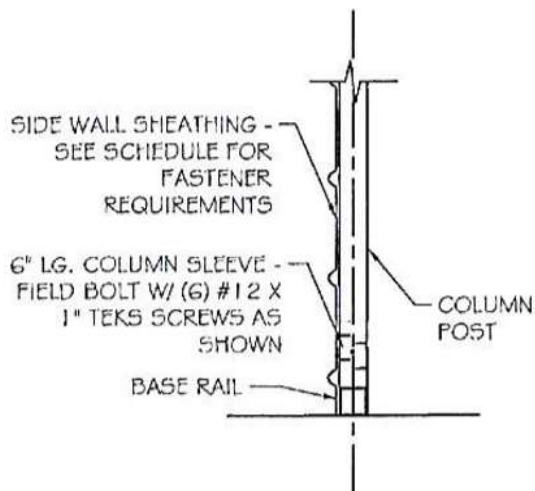




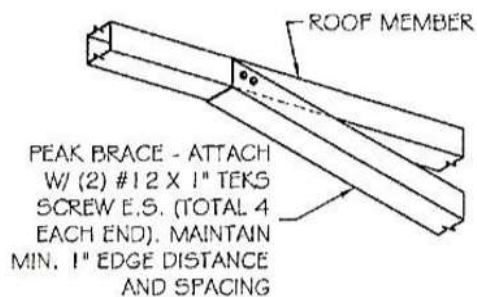
FRAME DETAIL

SCALE: 3/4" = 1'

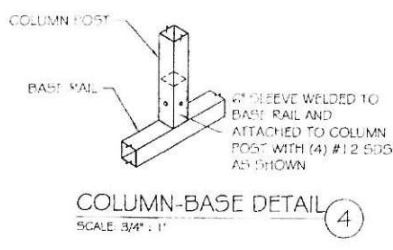
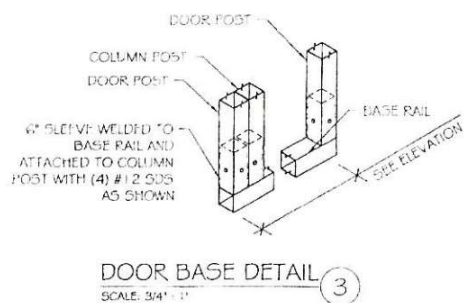
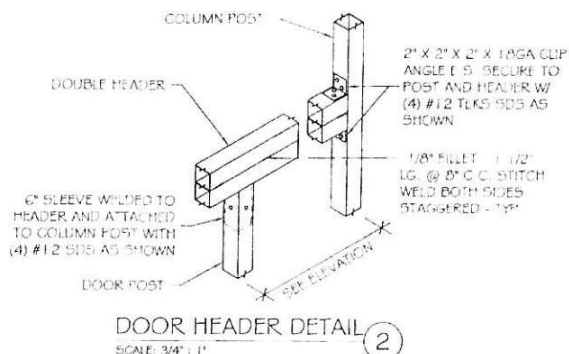
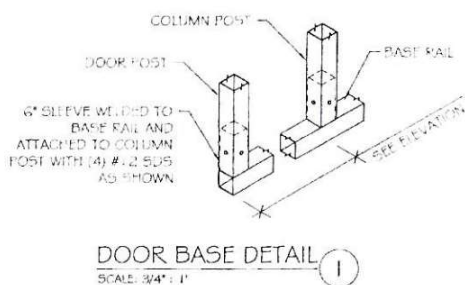
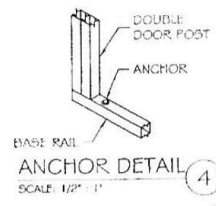
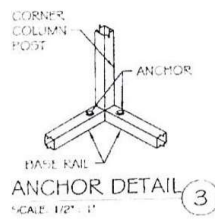
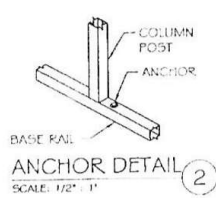
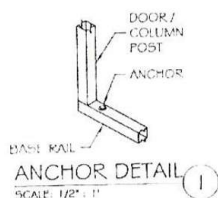


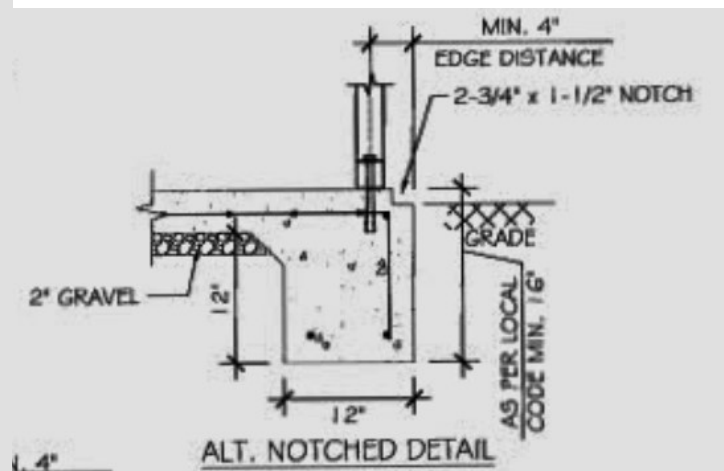
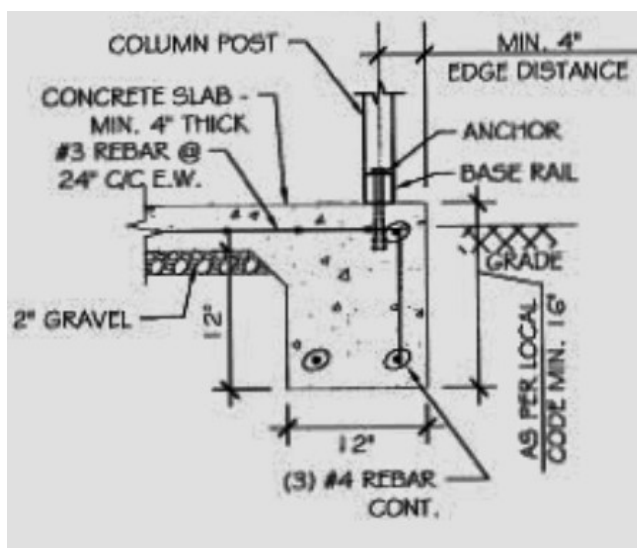


BASE DETAIL ②
SCALE: 3/4" = 1'



PEAK BRACE DETAIL ③
SCALE: 3/4" = 1'





Titen HD® Heavy-Duty Screw Anchor



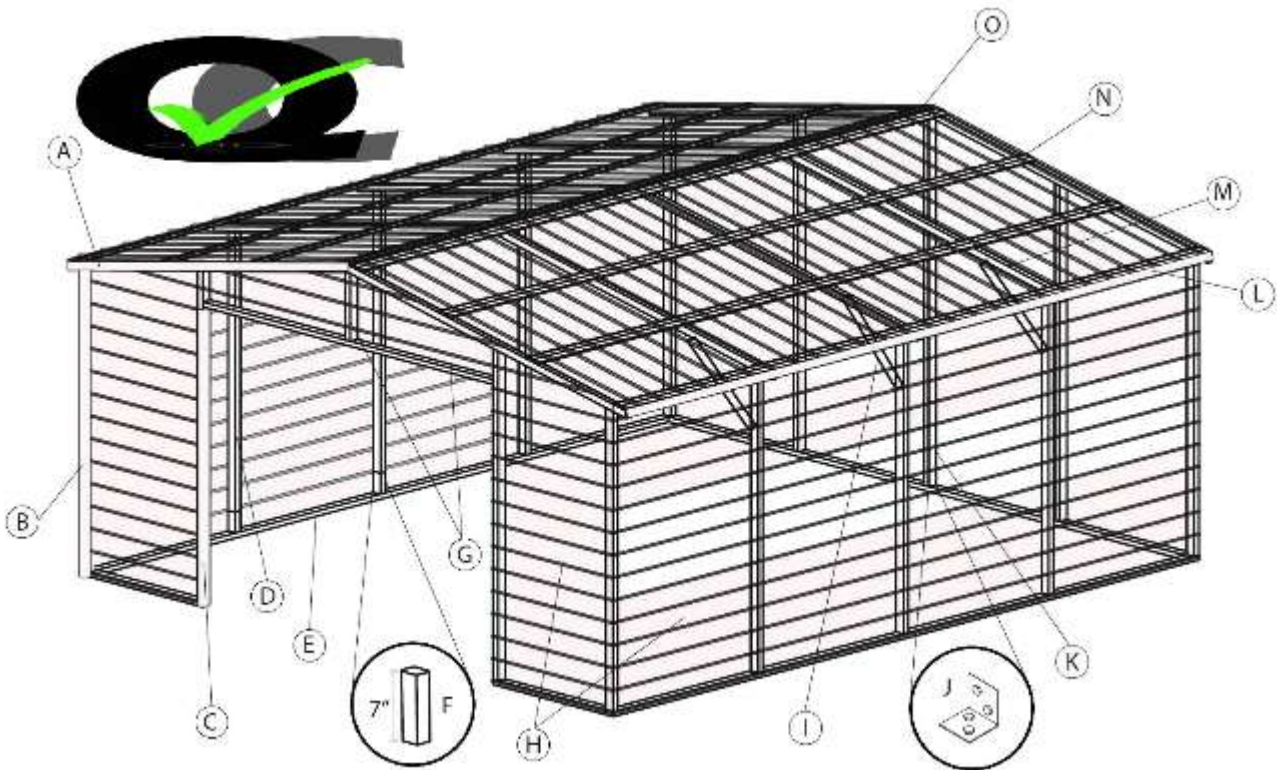
The original high-strength screw anchor for use in cracked and uncracked concrete, as well as uncracked masonry. The Titen HD offers low installation torque and outstanding performance. Designed and tested in dry, interior, non-corrosive environments or temporary outdoor applications, the Titen HD demonstrates industry-leading performance even in seismic conditions.

The stainless-steel Titen HD is the optimal choice for applications in corrosive or extreme environments such as salt water, or when chemical or corrosive solutions are present. See [Stainless-Steel Titen HD](#) for more information.

Key Features

- Code listed under IBC19C in accordance with ICC-ES AC108 and ACI 308.2 for cracked and uncracked concrete per ICC-ES ESR-2713
- Code listed under IBC19C in accordance with ICC-ES AC108 for masonry per ICC-ES ESR-1056
- Qualified for static and seismic loading conditions
- Thread design undercuts to efficiently transfer the load to the base material
- Standard fractional sizes
- Specialized heat-treating process creates tip hardness for better cutting without compromising the ductility
- No special drill bit required — designed to install using standard-sized ANSI tolerance drill bits
- Testing shows the Titen HD installs in concrete with 50% less torque than competitor anchors
- Hex-washer head requires no separate washer, unless required by code, and provides a clean installed appearance
- Removable — ideal for temporary anchoring (e.g., formwork, bracing) or applications where fixtures may need to be moved
- Reuse of the anchor to achieve listed load values is not recommended

OUR CONSTRUCTION



(A) (B) (C) (L) "L-trim": Is used on Regular Styles that are open or with a horizontal end(s), A-Frame & Lean-to Style buildings that are open with vertical roof, horizontal roof & side(s), It is also used in all frame openings (ex., overhead, roll-up and walk-in doors), on windows "J-trim" is used.

(B) "Corner trim" is used on enclosed A-Frame & Lean-to Style buildings with vertical roof, side(s) and end(s) instead of the L-trim.

(D) (K) Post (uprights) can be 14 ga. or 12 ga. galvanized square tubing, they come in lengths of 5' up to 18'.

(E) (F) Bottom rails are made from our standard 20' long 14 ga. galvanized square tubing included are 7" pre-welded inserts (sleeves) by our production department, these are made of 14 ga. (either 2" or 2 1/4") galvanized square tubing that connect the post to the bottom rail; with optional extensions of 5' to achieve the length desired.

(G) Header bars and vertical supports for overhead doors, roll-up doors are made of 14 ga. either 2" or 2 1/4" galvanized square tubing, these are used to install the door tracks and the electric opener system on overhead doors.

(H) 29 ga. panels come standard on 13 different colors for the roof, sides and ends (26 ga. special order panels are also available with a 20-year warranty.)

(I) 18 ga. 2 1/2" x 1 1/2" channels are used as knee braces on buildings up to 30' wide and as peak braces on buildings up to 19' wide.

(J) "L" Brackets are installed to join two pieces of square tubing together where there will not be a pre-welded connection or sleeve.

(M) Trusses (bows) are pre-fab of galvanized square tubing 14 ga. or 12 ga., the size varies by the width of the building and they can range from 8' wide up to 30' wide.

(N) 4 ¼" x 1 ½" 18 ga. hat channels are used on a-frame styles with vertical roof & sides and on regular style with the vertical end option.

(O) 11' Ridge cap trim is used only on a-frame with vertical roof style.