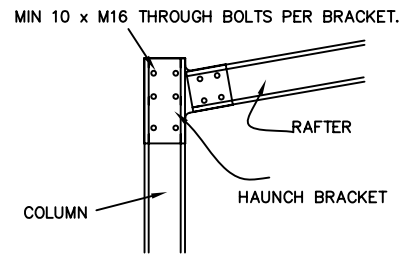


DETAIL ①

TYPICAL BOLTED CONNECTION FOR C250, C300 & C400 FRAMES

C250, C300 & C400 FRAME
EMPLOY 8 x M16 THROUGH BOLTS PER BRACKET

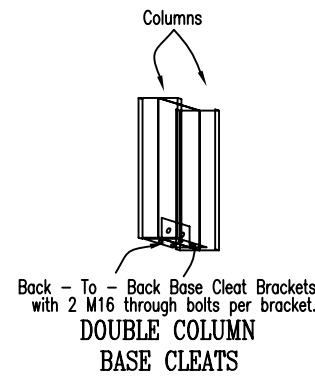
C250, C300 & C400 FRAME
ALL HAUNCH & APEX CONNECTION FASTENERS TO BE M16 x 30 4.6S min. OR M16 x 40 4.6S min. (BACK TO BACK FRAMES).



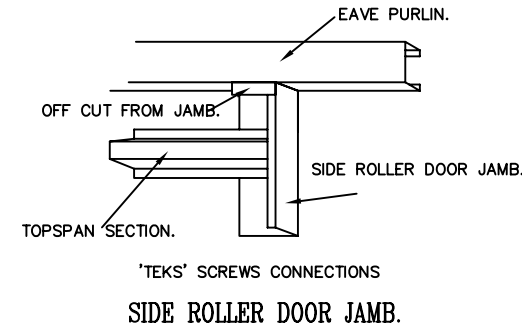
DETAIL ②

TYPICAL BOLTED CONNECTION FOR C250, C300 & C400 FRAMES.

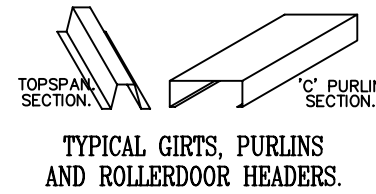
EMPLOY 6 M16 THROUGH BOLTS TO COLUMN,
4 M16 THROUGH BOLTS TO RAFTER.



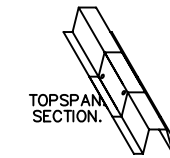
DOUBLE COLUMN BASE CLEATS



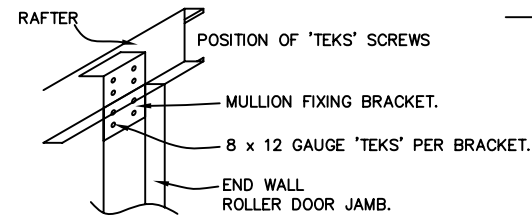
'TEKS' SCREWS CONNECTIONS SIDE ROLLER DOOR JAMB.



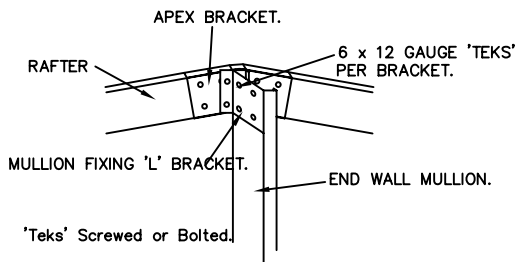
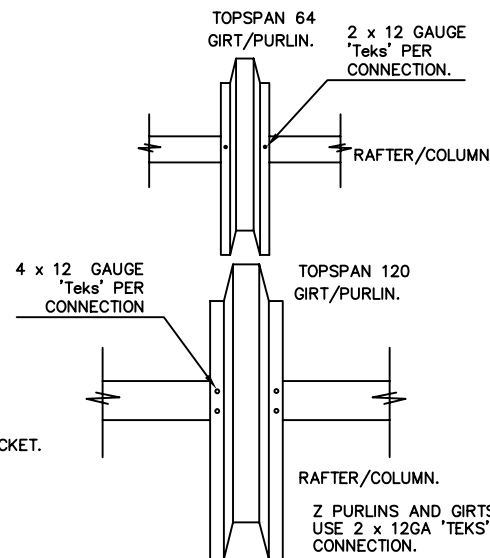
TYPICAL GIRTS, PURLINS AND ROLLERDOOR HEADERS.



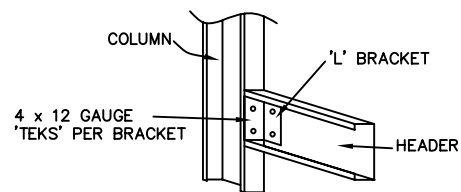
GIRT & PURLIN OVERLAP. (Screw Location)
2 x 12 GAUGE 'TEKS' SCREWS PER OVERLAP.



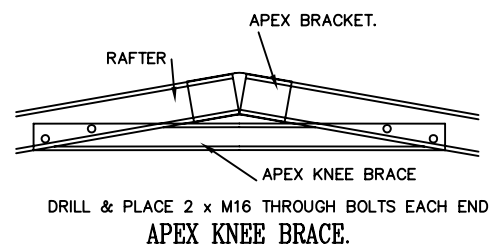
DETAIL ④
ROLLER DOOR JAMB



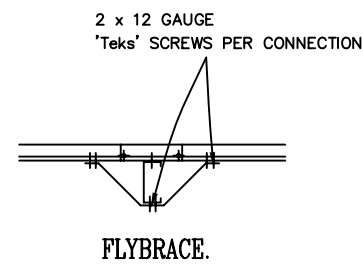
DETAIL ③
MULLION FIXING ANGLE.



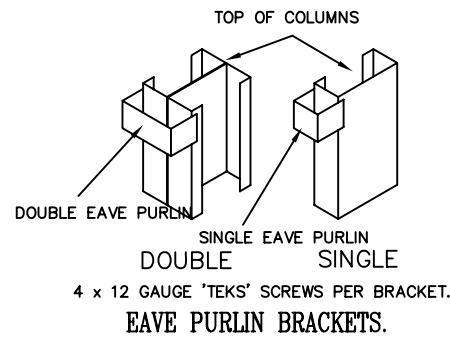
DETAIL ⑤
ROLLERDOOR HEADER



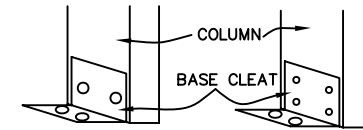
DRILL & PLACE 2 x M16 THROUGH BOLTS EACH END APEX KNEE BRACE.



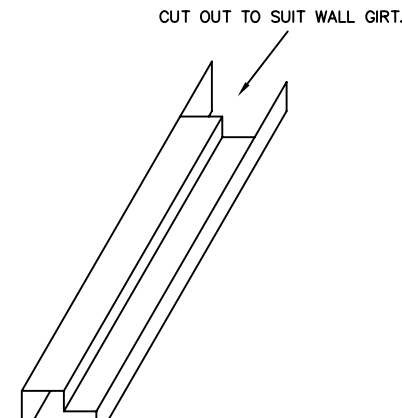
FLYBRACE.



4 x 12 GAUGE 'TEKS' SCREWS PER BRACKET.
EAVE PURLIN BRACKETS.



BOLTED BASE CLEAT. TEK SCREWED BASE CLEAT.
2 M16 THROUGH BOLTS PER BRACKET. 4 x 12 GAUGE 'TEKS' SCREWS PER BRACKET.



CODES

The design complies with the following codes and regulations: BS6399 (Inclusive), BS5950-5, BS5950-7, BS8103-1, The Building Regulations (UK) 1991, Approved Document A.

DESIGN CONDITIONS

This design covers the following site conditions

Region: Vb <29m/s

Terrain Category: Country and Town, Hr < 6.5m

Wind Velocity: V_e to 45m/s.

Ground Snow Loading (S_b): 1kPa (Max 0.7kPa Roof Snow Load (S_d)).

Site altitude to be less than 250m, above mean sea level.

CLADDING

Wall Cladding must be Stramit K-Panel, Monoclad 0.42, Monoclad 0.35 or Corro 0.42. (K-Panel must not be used in Reg. C areas)
Roof Cladding Must be Stramit Monoclad 0.42, Corro 0.42 or Monoclad 0.35.

MATERIALS

All cold formed sections are to conform too and comply with The Building Regulations (UK), 1991, and with BS5950-5, BS5950-7.

CONSTRUCTION

The structure should be maintained in a stable condition during construction and due care taken to ensure that no part of the structure becomes overstressed. The Builder will be held responsible for any damage, caused to the structure during the construction process.

DIMENSIONS

All dimensions are shown in millimetres, U.N.O.

FASTENERS

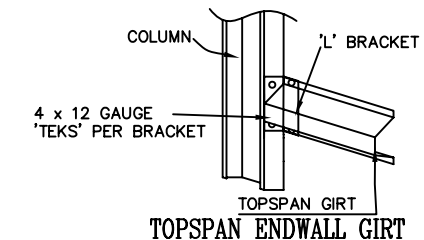
'Tek' Screws and Bolts to be installed in accordance with the manufacturers instructions. Screws shall be no closer than 50mm from each other and must be in a minimum of 25mm, from any edge. (Bracket to frame connection)

BRACING

Exact Details of Strap and Fly Bracing requirements can be found on the Multibuild Specification Sheet.

ENGINEERING

Engineering responsibility only covers those items both shown in these drawings and supplied by Hi-Tech Designs. Any alterations must be passed by a qualified structural engineer, and are not covered by Hi-Tech Designs unless in writing with an appropriate original blue ink signature.



TOPSPAN ENDWALL GIRTS