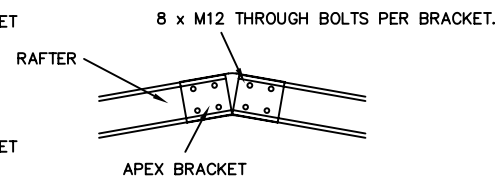


C100 FRAME  
WIND REG. A1 - A7 or W  
EMPLOY 8 x 12 GAUGE  
'TEKS' SCREWS PER BRACKET

C150 FRAME  
12 x 12 GAUGE  
'TEKS' SCREWS PER BRACKET

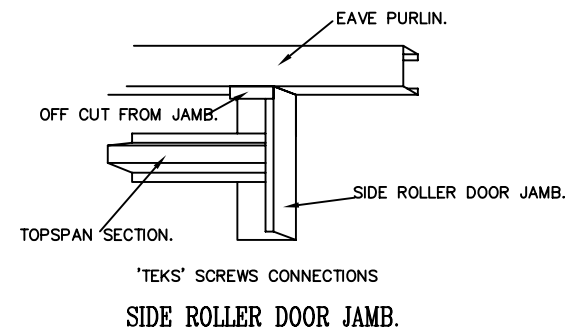
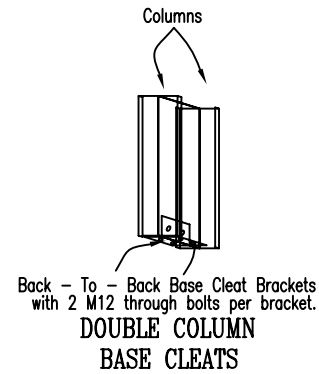
DETAIL ①

TYPICAL 'TEKS' SCREW CONNECTION FOR  
C100 & C150 FRAMES.



DETAIL ①

TYPICAL BOLTED CONNECTION FOR  
C150 & C200 FRAMES



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:  $V_b < 29\text{m/s}$   
Terrain Category: Country and Town,  $H_r < 6.5\text{m}$   
Wind Velocity:  $V_e$  to  $45\text{m/s}$ .  
Ground Snow Loading ( $S_b$ ):  $1\text{kPa}$  (Max  $0.7\text{kPa}$  Roof Snow Load ( $S_d$ )).  
Site altitude to be less than  $250\text{m}$ , 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 to  
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

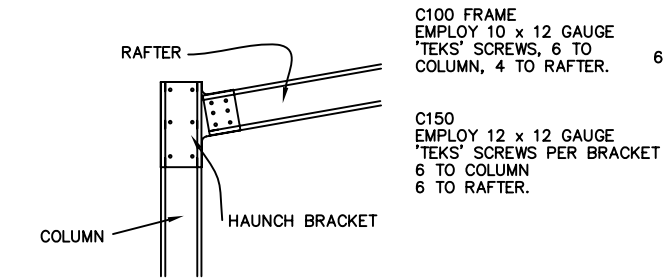
'Tek' Screws and Bolts to be installed in accordance with the  
manufacturers instructions. Screws shall be no closer than  
 $50\text{mm}$  from each other and must be in a minimum of  $25\text{mm}$ ,  
from any edge. (Bracket to frame connection)

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.

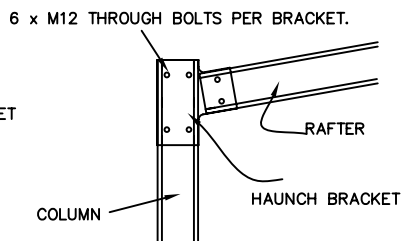


C100 FRAME  
EMPLOY 10 x 12 GAUGE  
'TEKS' SCREWS, 6 TO  
COLUMN, 4 TO RAFTER.

C150  
EMPLOY 12 x 12 GAUGE  
'TEKS' SCREWS PER BRACKET  
6 TO COLUMN  
6 TO RAFTER.

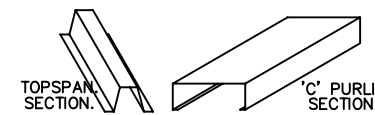
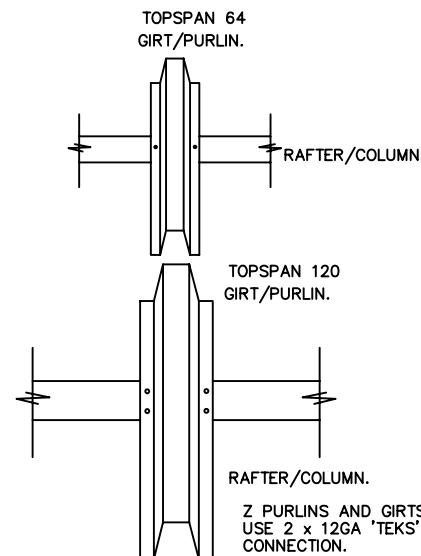
DETAIL ②

TYPICAL 'TEKS' SCREW CONNECTION FOR  
C100 & C150 FRAMES

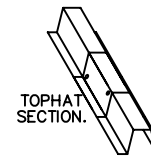


DETAIL ②

TYPICAL BOLTED CONNECTION FOR  
C150 & C200 FRAMES.



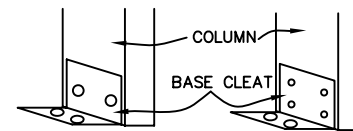
TYPICAL GIRTS, PURLINS  
AND ROLLERDOOR HEADERS.



Z PURLINS AND GIRTS MUST  
USE 2 x 12GA 'TEKS' PER  
CONNECTION.

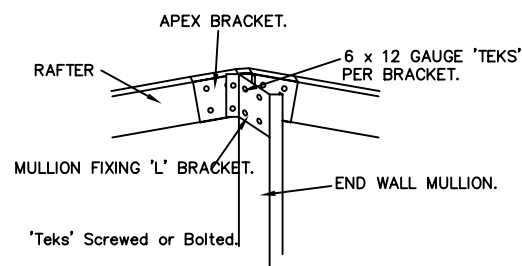
GIRT & PURLIN OVERLAP.  
(Screw Location)

2 x 12 GAUGE 'TEKS' SCREWS  
PER OVERLAP.



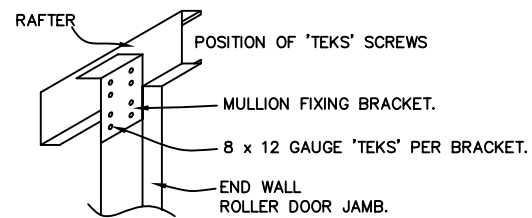
BOLTED TEK SCREWED  
BASE CLEAT. BASE CLEAT.

2 M12 THROUGH 4 x 12 GAUGE 'TEKS'  
BOLTS PER BRACKET. SCREWS PER BRACKET.



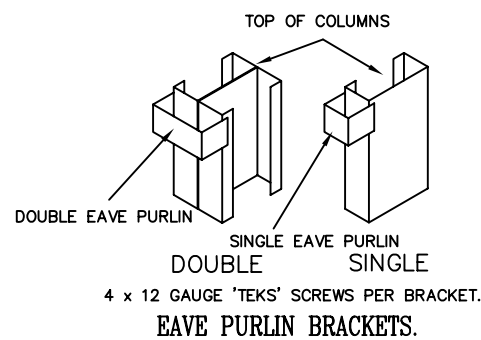
DETAIL ③

MULLION FIXING ANGLE.

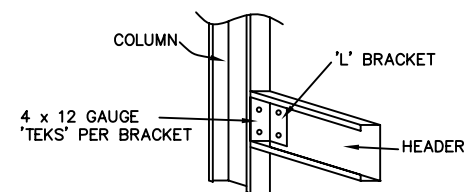


DETAIL ④

ROLLER DOOR JAMB

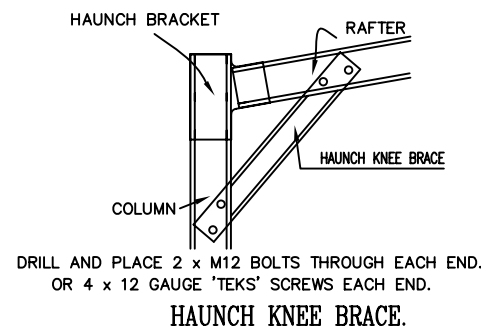


CUT OUT TO SUIT WALL GIRTS.



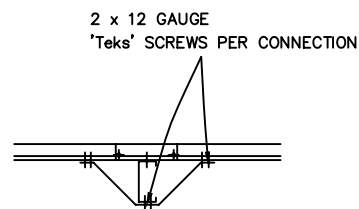
DETAIL ⑤

ROLLERDOOR HEADER



DRILL AND PLACE 2 x M12 BOLTS THROUGH EACH END.  
OR 4 x 12 GAUGE 'TEKS' SCREWS EACH END.

HAUNCH KNEE BRACE.



FLYBRACE.

