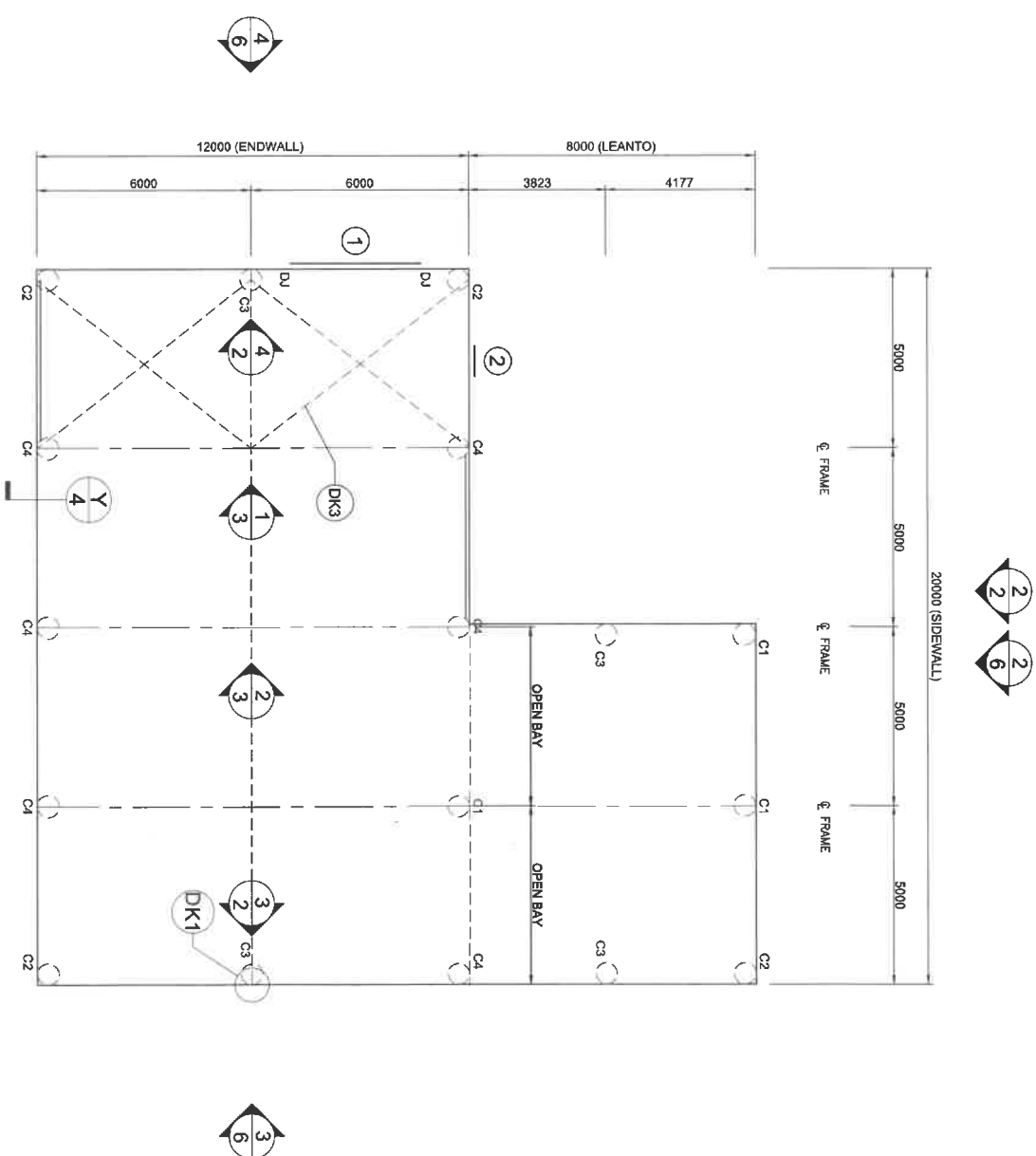
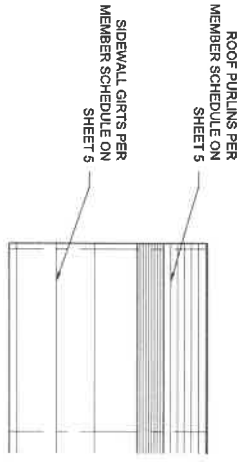
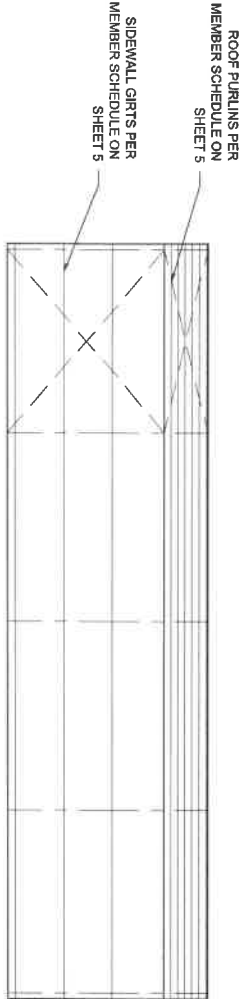


IF IN DOUBT, ASK.

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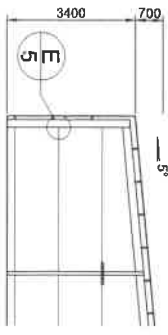
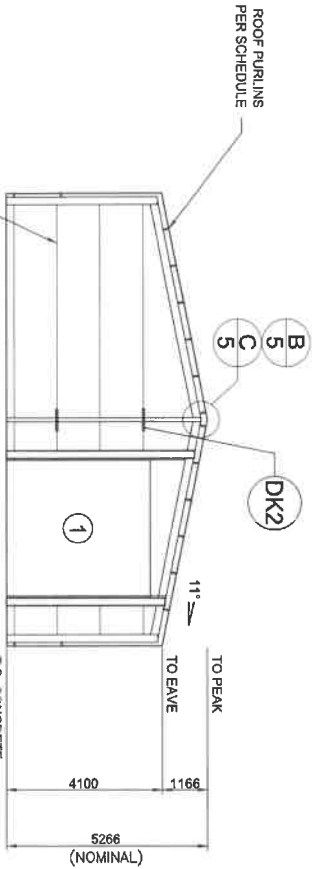


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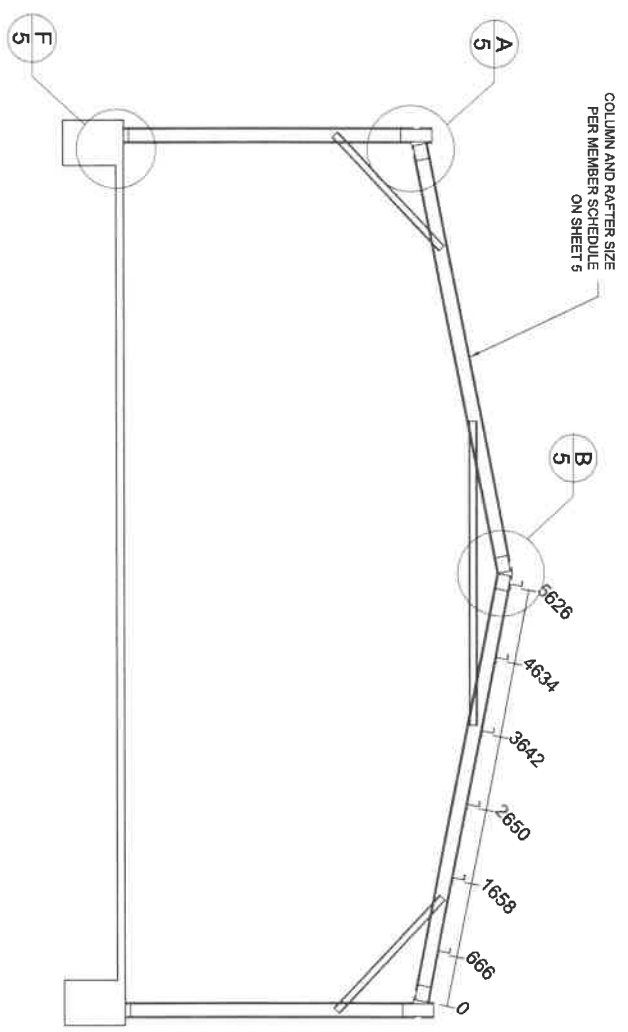


1 SIDEWALL EXTERIOR ELEVATION
SCALE: 1" = 200

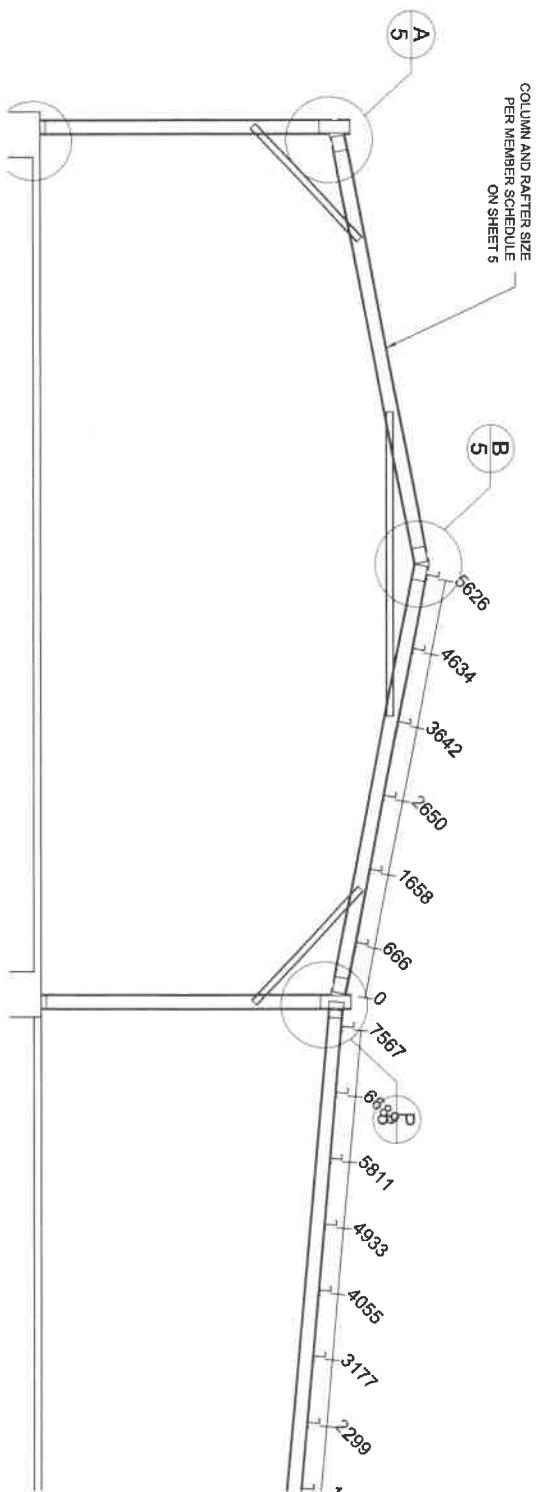
2 SIDE
SCALE:



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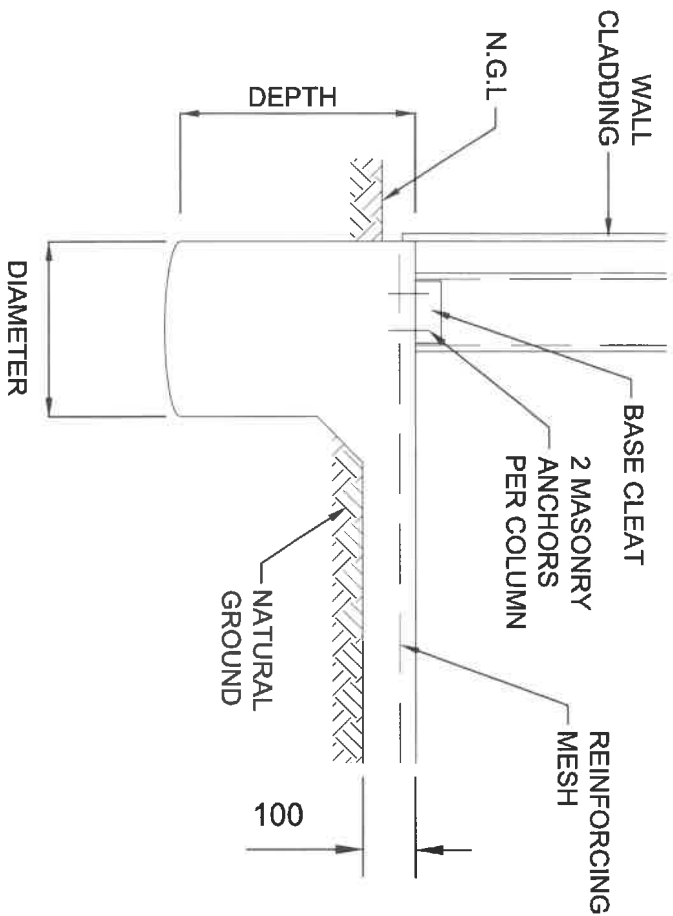


1 INTERNAL FRAME SECTION
3 SCALE: 1 = 100



STRUCTURAL GENERAL NOTES

- GOVERNING CODE** : NATIONAL CONSTRUCTION CODE (NCC), LENDING TO AS1170 - ALL SECTIONS. SOI EITHER A PRIVATE GARAGE CLASS 10a, OR A FARM SHED (CLASS 7 OR 8). UNLESS OTHERWISE SPECIFIC FOR USE AS A FARM SHED, IT MUST MEET THE FOLLOWING REQUIREMENTS:
 - BE LESS THAN 2000 SQM IN AREA (INCLUSIVE OF ANY MEZZANINE FLOOR AREA).
 - MUST BE LOCATED ON A FARM AND USED IN CONNECTION WITH FARMING PURPOSES.
 - BUILDING IS NOT TO BE OCCUPIED FREQUENTLY NOR FOR EXTENDED PERIODS BY PEOPLE, WITH PERSON PER 200 SQM OR 2 PERSONS MAXIMUM IN TOTAL, WHICHEVER IS THE LESSER.
- DRAWING CONVENTION** : THESE DRAWINGS REGARD THE PROPERTY OF FBS (LAST) PTY LIMITED. ENGINEERING SIGNATURE AND CERTIFICATION IS ONLY VALID WHEN BUILDING IS SUPPLIED BY A DISTRIBUTOR OF FBS. DRAWINGS FOR THE DUL PURPOSE OF OBTAINING BUILDING PERMITS AND AIDING CONSTRUCTION. ANY OTHER USE REPRODUCTION IS PROHIBITED WITHOUT WRITTEN APPROVAL FROM FBS.
- DRAWING SIGNATURE REQUIREMENTS** : THESE DRAWINGS ARE NOT VALID UNLESS SIGNED BY THE ENGINEER. THE ENGINEER ACCEPTS NO LIABILITY RESPONSIBILITY FOR DRAWINGS WITHOUT A SIGNATURE. EACH TITLE BLOCK CONTAINS A WATER MARK CUSTOMERS NAME CONTAINING THE DATE OF EXPIRATION OF THE DRAWINGS; THE DRAWINGS ARE TO BE COUNCIL WITHIN 21 DAYS OF THIS DATE. THIS IS TO ENSURE THAT ONLY CURRENT DRAWINGS ARE IN CIRCULATION.
- CONTRACTOR RESPONSIBILITIES** : CERTIFIER AND CONTRACTOR TO CONFIRM (ON SITE) THAT THE WIND LOADINGS APPLIED TO THIS DESIGN AND CORRECT FOR THE ADDRESS STATED IN THE TITLE BLOCK. CONTRACTOR SHALL VERIFY AND CONFIRM ALL EXISTING CONDITIONS AND DIMENSIONS. ENGINEER SHALL OF ANY DISCREPANCIES BETWEEN DRAWINGS AND EXISTING CONDITIONS PRIOR TO START OF WORK. CONTRACTOR MUST NOT MAKE ANY DEVIATION FROM THE PROVIDED PLANS WITHOUT FIRST OBTAINING WRITING FROM ONE THE UNDERSIGNING ENGINEERS. THE ENGINEER / FBS TAKE NO RESPONSIBILITY FOR CHANGE WITHOUT WRITTEN APPROVAL. CONTRACTOR IS RESPONSIBLE FOR ENSURING NO PART OF THE STRUCTURE BECOMES OVERSTRESSED DURING CONSTRUCTION. BUILDING IS NOT STRUCTURALLY ADEQUATE UNTIL THE INSTALLATION OF ALL COMPONENTS AND DETAILS COMPLETED IN ACCORDANCE WITH THESE DRAWINGS. THE INDICATED DRAWING SCALES ARE APPROXIMATE. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURE FOR FURTHER DIRECTIONS ON CONSTRUCTION THE CONTRACTOR SHOULD CONSULT THE APPROPRIATE INSTRUMENTAL ENGINEERING.
- ENGINEERING** : THE ENGINEER / FBS ARE NOT ACTING AS PROJECT MANAGERS FOR THIS DEVELOPMENT, AND WILL NOT DURING CONSTRUCTION. THE UNDERSIGNING ENGINEERS HAVE REVIEWED THIS BUILDING FOR CORRECTNESS ONLY TO THE STRUCTURE PORTIONS OF THE GOVERNING CODE. THE PROJECT MANAGER IS RESPONSIBLE FOR ADDRESSING ANY OTHER REQUIREMENTS APPLICABLE TO THIS DEVELOPMENT. THESE DOCUMENTS ARE SIGNED ONLY AS TO THE COMPONENTS SPECIFIED BY FBS. IT IS THE RESPONSIBILITY OF THE PURCHASER TO COORDINATE DRAWINGS PROVIDED BY FBS WITH OTHER PLANS AND/OR OTHER COMPONENTS OF THE OVERALL PROJECT. IN CASES OF DISCREPANCIES, THE LATEST DRAWINGS PROVIDED BY FBS, NO ALTERATIONS TO THIS STRUCTURE (INCLUDING REMOVAL OF CLADDING) ARE TO BE UNDERTAKEN WITH THE CONSENT OF THE CERTIFYING ENGINEER. OPENINGS SUCH AS WINDOWS AND DOORS NEED TO BE INSTALLED AS PER THE PRODUCT MANUFACTURER'S INFORMATION/DETAILS.
- INSPECTIONS** : NO SPECIAL INSPECTIONS ARE REQUIRED BY THE GOVERNING CODE ON THIS JOB. ANY OTHER INSPECT BY THE LOCAL BUILDING DEPARTMENT SHALL BE CONDUCTED AT THE OWNER'S EXPENSE.
- SOIL REQUIREMENTS** : SITE CLASSIFICATION TO BE A, S OR M ONLY. SOIL SATE BEARING CAPACITY VALUE INDICATED ON E OCCURS AT 100mm BELOW FINISH GRADE, EXISTING NATURAL GRADE, OR AT FROST DEPTH SPECIFIED BY FOUNDATION DEPTH SHOULD BE 100MM AND NATURAL GROUND OR BELOW FROST DEPTH SPECIFIED BY LOC ROLLED OR COMPACTED FILL MAY BE USED UNDER SLAB, COMPACTED IN 150MM LAYERS TO A MAXIMUM DE CONCRETE FOUNDATION EMBEDMENT DEPTH DO NOT APPLY TO LOCATIONS WHERE ANY UNCOMPACTED FILL GROUND EXISTS OR WHERE WALLS OF THE EXCAVATION WILL NOT STRAND WITHOUT SUPERFICIAL SO CASE SEEN FURTHER ENGINEERING ADVICE.
- Class 10a or Class 7 Foundation** : THE FOUNDATION DOCUMENTED IS ALSO APPROPRIATE FOR CLASS 10a OR CLASS 7 BUILDING DESIGNS ON 1:1.4D OR "B" CLASS SOILS. IF TOTAL SLAB AREA IS UNDER 100M SQUARE AND THE MAXIMUM SLAB DIM AND WIDTH IS LESS THAN OR EQUAL TO 12M. THIS PROVISION IS APPLICABLE TO THESE INSTANCES ARE DESIGNED PLEASE BE AWARE THAT THE SLAB DESIGN FOR H & E CLASS SOILS IN THESE INSTANCES ARE DESIGNED EXPERIENCE SOME PROBLEMS. THIS PROVISION IS NOT CONSIDERED A STRUCTURAL PLAN OR DESIGN (SOI SIGNED) CONSENT IN NATURE. IF THIS IS A CONCERN TO THE CLIENT IT IS ADVISED THEY DISCUSS O WITH THE RELEVANT DISTRIBUTOR PRIOR TO THE POURING OF THE SLAB.
- CONCRETE REQUIREMENTS** : ALL CONCRETE DETAILS AND PLACEMENT SHALL BE PERFORMED IN ACCORDANCE WITH AS2870 AND AS3600 CONCRETE SHALL HAVE A MIN. 28-DAY STRENGTH OF 20MPa FOR EXPOSURE A1 & B1, 25MPa FOR EXPOSURE 32MPa FOR EXPOSURE C, IN ACCORDANCE WITH SECTION 4, AS3600. CEMENT TO BE TYPE A, MAX AGGREG 20mm, SLAB TO BE 80mm +/- 15mm. SLABS TO BE CURED FOR 7 DAYS BY WATERING OR COVERING WITH A WATERPROOF, AFTER WHICH CONSTRUCTION CAN BEGAIN. DUE CARE GIVEN NOT TO OVER-TIGHTEN HOLD DOWN AUTOMATIC SOIL TIES 1 LAYER OF S172 REINFORCING MESH IS TO BE INSTALLED ON STANDARD SLAB ALLOWING 30MM COVER FROM CONCRETE SURFACE. CONCRETE REINFORCING TO CONFORM TO AS 1302, AS1: ALL REINFORCING COVER TO BE A MINIMUM OF 30mm.
- STRUCTURAL STEEL REQUIREMENTS** : ALL STRUCTURAL STEEL, INCLUDING SHEETING THICKNESS EXCLUDING CONCRETE REINFORCING, SHALL COM (GAUGE <= 1mm Fy = 550N/m², GAUGE > 1mm < 1.5mm Fy = 500N/m², GAUGE >= 1.5mm Fy = 450N/m²). NO WELDING IS TO BE PERFORMED ON THIS BUILDING. ALL STRUCTURAL MEMBERS AND CONNECTIONS DESIGNED TO AS4600. ALL BOLT HOLE DIAMETERS TO SFE FUNCTIONS.
- ROOF DETAILS** : FOR ERECTION AND MAINTENANCE PLEASE NOTE THE FOLLOWING DEFINED ROOF TRAFFIC ZONES:
 - CORRODED: WALK ONLY WITHIN 200MM OF SCREEN LINES, FEET SPREAD OVER AT LEAST TWO RAILS.
 - MONOCOL: WALK ONLY IN PANS, OR ON RAILS AT SCREEN LINES.



N.G.L - NATURAL GROUND LINE

Y

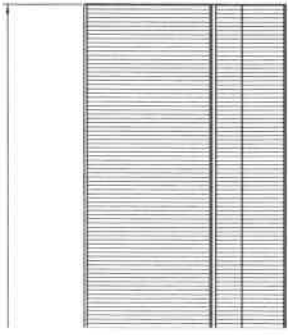
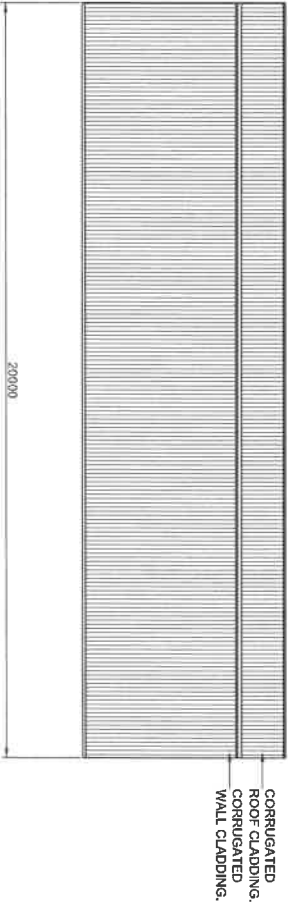
BORED LOCAL THICKENING DETAIL

SBOMA

DWG NO.

8 x M12 THROUGH BOLTS HAUNCH BRACKET COLUMN KNEE BRACE* *ELECT NO. OF M12 BOLTS FOR KNEE BRACE TO BE DETERMINED BY STRUCTURAL ENGINEER (MINIMUM 30mm CENTER TO CENTER & EDGE DISTANCE) DWG NO.	8 x M12 THROUGH BOLTS RAFTER APEX BRACKET APEX BRACE* *ELECT NO. OF M12 BOLTS FOR APEX BRACE TO BE DETERMINED BY STRUCTURAL ENGINEER (MINIMUM 30mm CENTER TO CENTER & EDGE DISTANCE) DWG NO.	APEX BRACKET MULLION FIXING BRACKET RAFTER END WALL MULLIONS (* Refer to member schedule for Bolt size).	ROOF PURLIN DOUBLE RAFTER 8x14 GAUGE PER CONNECTION 2x14 GAUGE PER END OF OVERLAP NOTES: 1. 12x14 GAUGE TEK SCREW FOR TOTAL LAP AND CONNECTION 2. SCREWS IN LAP LOCATED 25mm FROM END OF LAP	WALL GIRT DOUBLE COLUMN 8x14 GAUGE TEK SCREWS PER CONNECTION
WALL GIRT COLUMN 4x14 GAUGE TEK SCREWS PER CONNECTION	CEE COLUMN ZEE GIRT 50x50x150 NOTE: Non-optic = 2x14g TEK SCREWS each side Optic = 3x14g TEK SCREWS each side	COLUMN BASE CLEAT COLUMN Note: (*) Refer to Member Schedule for Masonry Anchors and Frame Bolts.	SCREW ARRANGEMENTS FOR ROOF SHEETS OVERLAP INTERMEDIATE PURLINS 35mm Long Roof Screws 0.42 BMT 0.47 TCT ZA 0.48 TCT CB	SCREW ARRANGEMENTS FOR WALL SHEETS OVERLAP 16mm Long Roof Screws OVERLAP 0.42 CORRUGATED WALL CLADDING 0.42 BMT 0.47 TCT ZA 0.48 TCT CB
RAFTER END WALL DOOR JAMB 'C' SECTION DOOR HEADER	WALL GIRT ZEE GIRT 2x14g TEK SCREWS	FLY BRACING COLUMN OR RAFTER FLY BRACING 'TEK' (X2) ROOF PURLIN OR WALL GIRT	STRAP BRACE 2x14 GAUGE TEK SCREW PURLIN RAFTER	COLUMN WALL GIRT STRAP BRACE 3x14 GAUGE TEK SCREW
SIDE DOOR SUPPORT DOOR FRAME 4-12 GAUGE 'TEKS' PER ANGLE BRACKET	PERSONAL ACCESS DOOR WALL GIRT DOUBLE EAVE PURLIN BRACKET	FLYBRACING COLUMN RAFTER FLAT PLATE BRACKET	STRAP BRACE TEK SCREW TO UNDERSIDE OF PURLIN	STRAP BRACE IS BENT OVER GIRT AND TEK SCREWED TO FLANGE OF COLUMN (UNLESS NOTED OTHERWISE)
BRIDGING WALL GIRT DOUBLE EAVE PURLIN BRACKET	EAVE PURLIN BRACKET WALL GIRT SINGLE EAVE PURLIN BRACKET	LEANTO CONNECTION COLUMN RAFTER FLAT PLATE BRACKET	HAUNCH CONNECTION COLUMN RAFTER FLAT PLATE BRACKET	SINGLE ROLLER DOOR TO SINGLE ROLLER DOOR JAMB STAND BASE CLEAT SLAB EDGE

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1 SIDEWALL EXTERIOR ELEVATION

6 SCALE: 1 = 200

2 SIDEWALL EX

6 SCALE: 1 = 200

