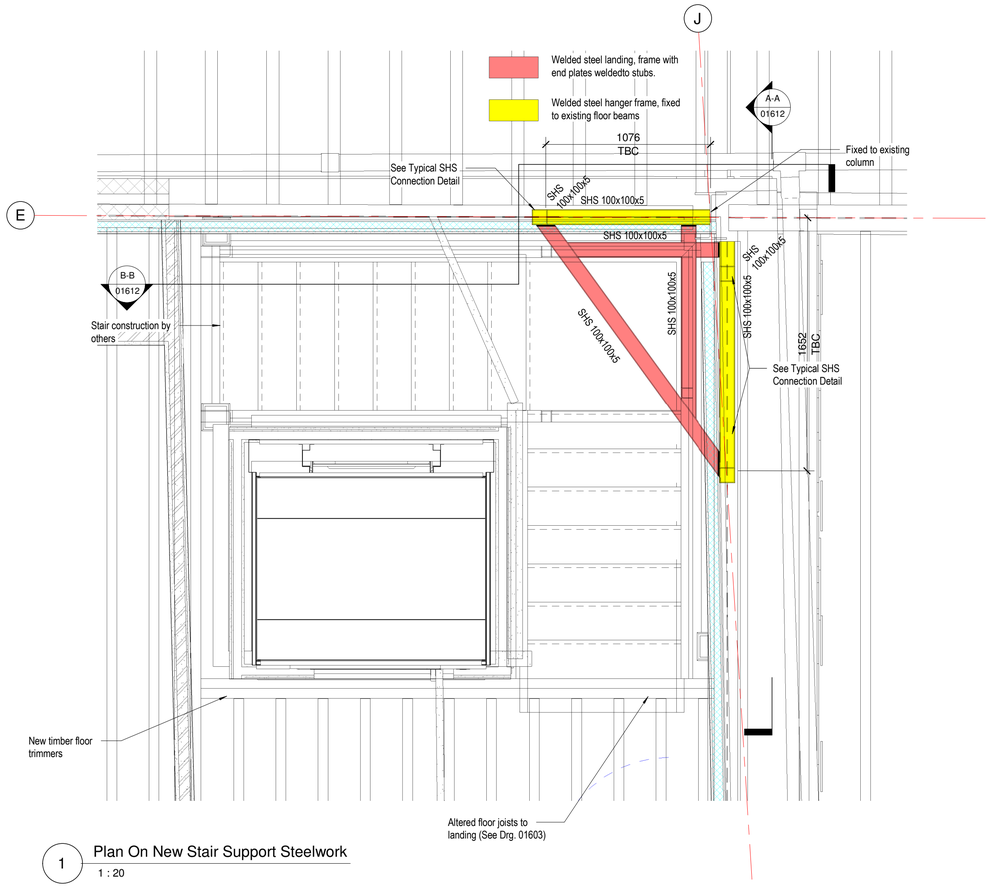
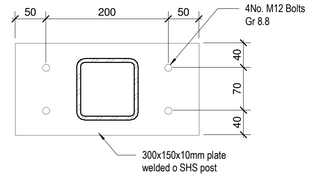


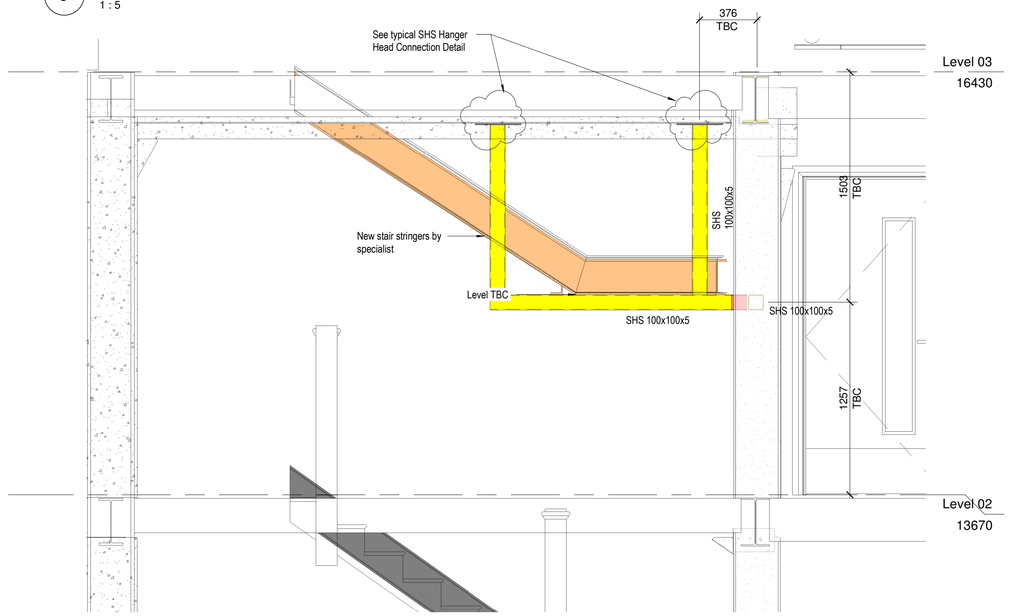
1 Plan On New Stair Support Steelwork
1 : 20

2 3D Stair View

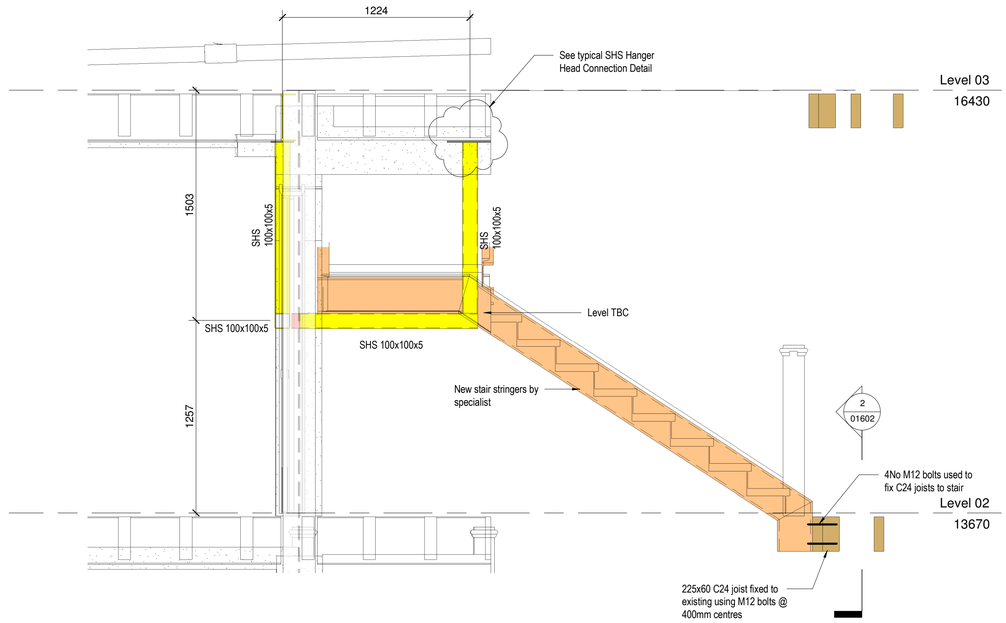
4 Typical Connetion Detal
1 : 10



3 Typical SHS Hanger Head Connection Detail
1 : 5



A-A Section A-A
1 : 20



B-B Section B-B
1 : 20

- DO NOT SCALE -

Steelwork Notes:

All design, fabrication and erection to be in accordance with BS EN 1993, The National Structural Steelwork Specification for Building Construction 7th Edition CE Marking Version and BGP Structural Steelwork Specification.

The building has been designed to resist progressive collapse by meeting the robustness requirements of approved document A, building classification Class 2B.

UNO, the design life of steelwork is 50 years.

All hot rolled steelwork to be S355 JR except hollow sections and flat plate bracing. All flat plate steelwork bracing to be S275 JR. Structural hollow sections to comply with EN 10210 S355J2H.

All bolts to be 20Ø grade 8.8 zinc plated u.n.o.

All fabricated structural steelwork to be execution class EXC2 in accordance with BS EN 1090-2 U.N.O.

All bolts to galvanized members to be galvanized to BS EN 1461:1999, nuts tapped after galvanizing.

Design of connections is the responsibility of the steelwork contractor and should be allowed for in the proposed fee accordingly. They are to be designed for the ultimate limit state forces supplied in the fabrication information by the engineer.

Connection loads will be supplied by BGP on DXF plans, elevations and sections. The DXF's will also contain member references. In addition to this a schedule will be provided which will contain all the connection forces, which can be cross referenced with the member references on the aforementioned DXF's. Any rationalisation of the connection forces is to be carried out by the fabricators connection designer.

Any temporary bracing / propping required during the erection of the structure is to be designed, detailed, fixed and removed by the contractor.

Refer to BGP Technical Specification for complete paint specification. For BS EN ISO12944-2 Environment C1 all steelwork to be blast cleaned to SA 2.5, maximum profile 75 microns and shop primed with ViterPrime 035 high build alkyd zinc phosphate to 75 microns nominal dft.

All steelwork marked as galvanized is to be blast cleaned to BS 7079:Part A1 grade 2.5 (for roughness) using chilled iron grit grade C24, followed by acid pickling and galvanizing to BS EN 1461 to a minimum average coating thickness of 140 microns.

Vent holes are to be provided in hollow sections for galvanizing. All steelwork is to be galvanized after fabrication. Repair any damaged coating in accordance with EN ISO 1461.

All perimeter beams and beams to openings to be with bolt holes, or other suitable means of securing temporary proprietary edge barrier/protection system - Steelwork Contractor to provide details for approval before fabrication.

All stair units to be mechanically fixed to the steelwork immediately upon installation. All connection details to be confirmed and designed by stair manufacturer.

All applied finishes must consider the working tolerances and in service deflection of the steelwork frame and any cold rolled. All finishes and movement joints in accordance with architectural details.

All fire protection details TBC by the architect.

Should splicing be required to members to assist with transportation, BGP must be informed. The architect should also be consulted to review splices from an aesthetic perspective. Splices should include HSFG bolts or close tolerance bolts in match drilled holes.

Partition wall head deflection details are to be designed and detailed by the manufacturer, max. deflection limits are to be discussed with BGP. The requirement for any additional steelwork to support the heads of walls not on primary grid lines, is to be provided to BGP at the earliest opportunity.

The requirement for Lifting beams to the top of lift shafts is TBC by others. BGP has not detailed these as part of the overall primary frame. If required, the location, setting out and loadings for these are to be provided by the lift manufacturer.

All max steel/ steel connection forces. (ULS)
Axial ± 25 KN
Shear ± 25 KN

NOTE:
ALL DIMENSIONS TO BE CONFIRMED UPON RECIEPT OF STAIR MANUFACTURERS DRAWINGS.

NOTE:
NEW STEEL STAIR DESIGN AND DETAIL BY SPECIALIST FABRICATOR. STAIR FABRICATOR TO REVIEW DESIGN INTENT LANDING SUPPORT SHOWN AND MEASURE ON SITE PRIOR TO FABRICATION.

NOTE:
ALL DIMENSIONS, SETTING OUT AND CONNECTION TO EXISTING STEELWORK TO BE MEASURED AND CONFIRMED ON SITE PRIOR TO FABRICATION. ALL STEELWORK CONNECTION DESIGNS BY FABRICATOR

Issue For Construction	**BL**	**C02**	**JFC**	**31.01.2025**
Issue For Construction	**BL**	**C01**	**JFC**	**20.12.2024**
AMENDMENT	BY	REV	CHK	DATE

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Client	Norr
Project	Modifications Works to Whitehaven Levels
BGP Project No.	226014
Drawing Title	Stair Steel Support G.A. & Details

Drawn	Date	Checked	Date	Size	Scale	Rev.
BL	18.12.24	18.12.24	18.12.24	A1	As indicated	C02

Location	Originator	Volume	Level	Form	Role	Unique No.
DGHW	BGP	01	ZZ	D	S	01612

File Reference
DGHW-BGP-01-ZZ-D-S-01612