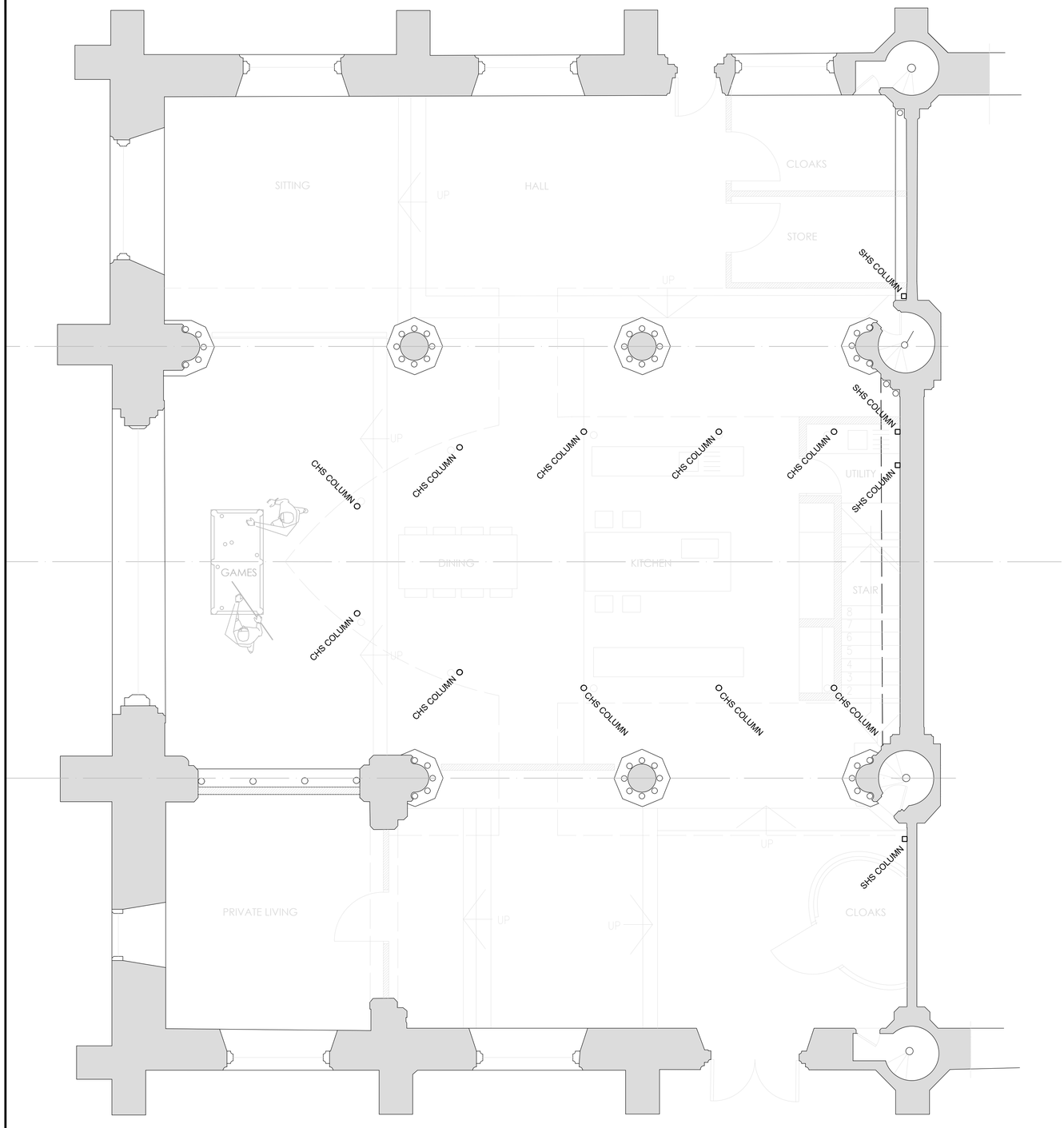
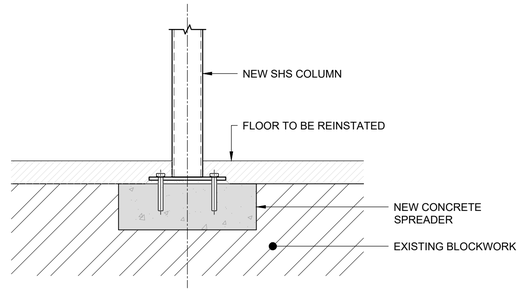
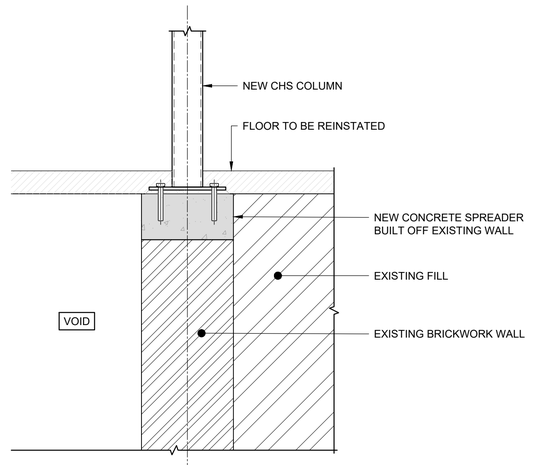


GROUND FLOOR PLAN
(SHOWING STRUCTURE OVER)
SCALE 1:50



STEEL COLUMN FIXING DETAIL
SCALE 1:10



STEEL COLUMN FIXING DETAIL
SCALE 1:10

DO NOT SCALE FROM THIS DRAWING

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S & HBL DRAWINGS/ DETAILS.

STEELWORK NOTES

1) ALL STEELWORK TO BE FABRICATED, PAINTED AND INSTALLED IN ACCORDANCE WITH THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION (NSSS), RELEVANT BRITISH STANDARDS / EUROCODES, STATUTORY CODES AND CE MARKED TO EXECUTION CLASS 2 (EXC2) IN ACCORDANCE WITH BS EN 1090
2) ALL STEELWORK TO BE GRADE S355 IN ACCORDANCE WITH BS EN 10025
3) ALL STEELWORK SUBGRADE IN ACCORDANCE WITH BS EN 1993-1-10
   INTERNAL STEELWORK - MINIMUM SUBGRADE J0 FOR SECTION, PROFILES AND PLATES >22mm
   EXTERNAL STEELWORK - MINIMUM SUBGRADE J2 FOR SECTION, PROFILES AND PLATES >30mm, MINIMUM SUBGRADE J0 FOR SECTION, PROFILES AND PLATES >17mm & <30mm
4) ALL WELDS TO BE A MINIMUM 6mm FILLET WELD FULL PROFILE U.N.O.
5) FORCES AND MOMENTS ARE GIVEN AS FOLLOWS:
   M = BENDING MOMENT IN kNm
   V = SHEAR FORCE IN kN
   A = AXIAL FORCE IN kN & SHOWN AS POSITIVE U.N.O.
   ALL LOADS ARE GIVEN AS UNFACTORED
6) ALL CONNECTIONS TO BE DESIGNED AND DETAILED BY FABRICATOR FOR THE LOADS SHOWN IN ACCORDANCE WITH BS EN 1993-1-1. WHERE NO FORCES ARE STATED, DEFAULT TO GUIDEANCE SET OUT IN SCI PUBLICATION P358 'JOINTS IN STEEL CONSTRUCTION: SIMPLE JOINTS TO EUROCODE 3'
7) MINIMUM BRACING MEMBER CONNECTION TO BE 4No. M20 GRADE 8.8 BOLTS U.N.O.
8) ALL BOLTS TO BE GRADE 8.8 TO BS 3692. EXTERNAL USE BOLTS TO BE SPUN GALVANISED. INTERNAL USE BOLTS TO BE ZINC PLATED.
9) WELDED END PLATES TO BE MINIMUM 10mm THICK AND THE FULL DEPTH OF THE SECTION U.N.O.
10) ALL INTERNAL EXPOSED STEELWORK TO RECEIVE DECORATIVE FINISH TO ARCHTIECTS SPECIFICATION
11) ALL STEELWORK BUILT INTO CAVITY WALLS TO RECEIVE AN ADDITIONAL SITE COAT DFT TO 150 MICRONS HIGH BUILD BITUMINOUR PAINT
12) EXTERNAL EXPOSED STEELWORK (CORROSIVITY CLASSIFICATION C3 - MEDIUM) TO BE BLAST CLEANED TO SA2½, PRIMER 100 MICRONS AND BUILD COAT 175 MICRONS HB EPOXY ZINC PHOSPHATE E.G MACROPOXY 400, FINISH 75 MICRONS CHEMICAL RESISTANT DECORATIVE FINISH
13) GALVANISED STEELWORK TO BE GRIT BLASTED TO SA2 FOR ROUGHNESS, AND GALVANISED TO BS 729 TO PROVIDE A MINIMUM COATING THICKNESS OF 85 MICRONS
14) ALL CLADDING & COLD ROLLED STEELWORK (E.G. CLADDING RAIL, PURLINS, SAG BARS, RESTRAINTS ETC.) TO BE CONTRACTOR DESIGNED.
15) STEELWORK SUB-CONTRACTOR TO MAKE ALLOWANCE FOR RESTRAINT TO BRACED BAY COLUMNS IN FINAL CONDITION.
16) PROVIDE 100mm MIN. CONCRETE CASING TO ALL STEELWORK BELOW GROUND
17) REFER TO ARCHITECT'S DRAWINGS FOR ALL FIRE PROTECTION REQUIREMENTS AROUND STRUCTURAL STEELWORK.

REV.	DATE	DRAWN	DESCRIPTION	CHKD	APPRD
P01	24.06.24	PS	ISSUED FOR INFORMATION	ALS	ALS

STATUS DESCRIPTION: FOR INFORMATION — STATUS: S2

HBL
Brook House
Weybrook Road,
Manchester M19 2QD
+44 (0)161 432 9977 | www.hbl.ltd
Consulting Civil & Structural Engineers

PROJECT: ST.MARY'S CHAPEL HULME

DRAWING TITLE: GROUND FLOOR PLAN AND DETAILS

CLIENT: Mr.BENJAMIN WILD

HBL REF.	DATE	SCALE(S)	
10544	MARCH 2024	AS SHOWN	A1

DRAWN	CHECKED	APPROVED
P.SEATON	A.SMITH	A.SMITH

DRAWING No.: 10544-HBL-XX-XX-DR-S-1001 — REV.: P01

© Copyright HBL Associates Ltd.