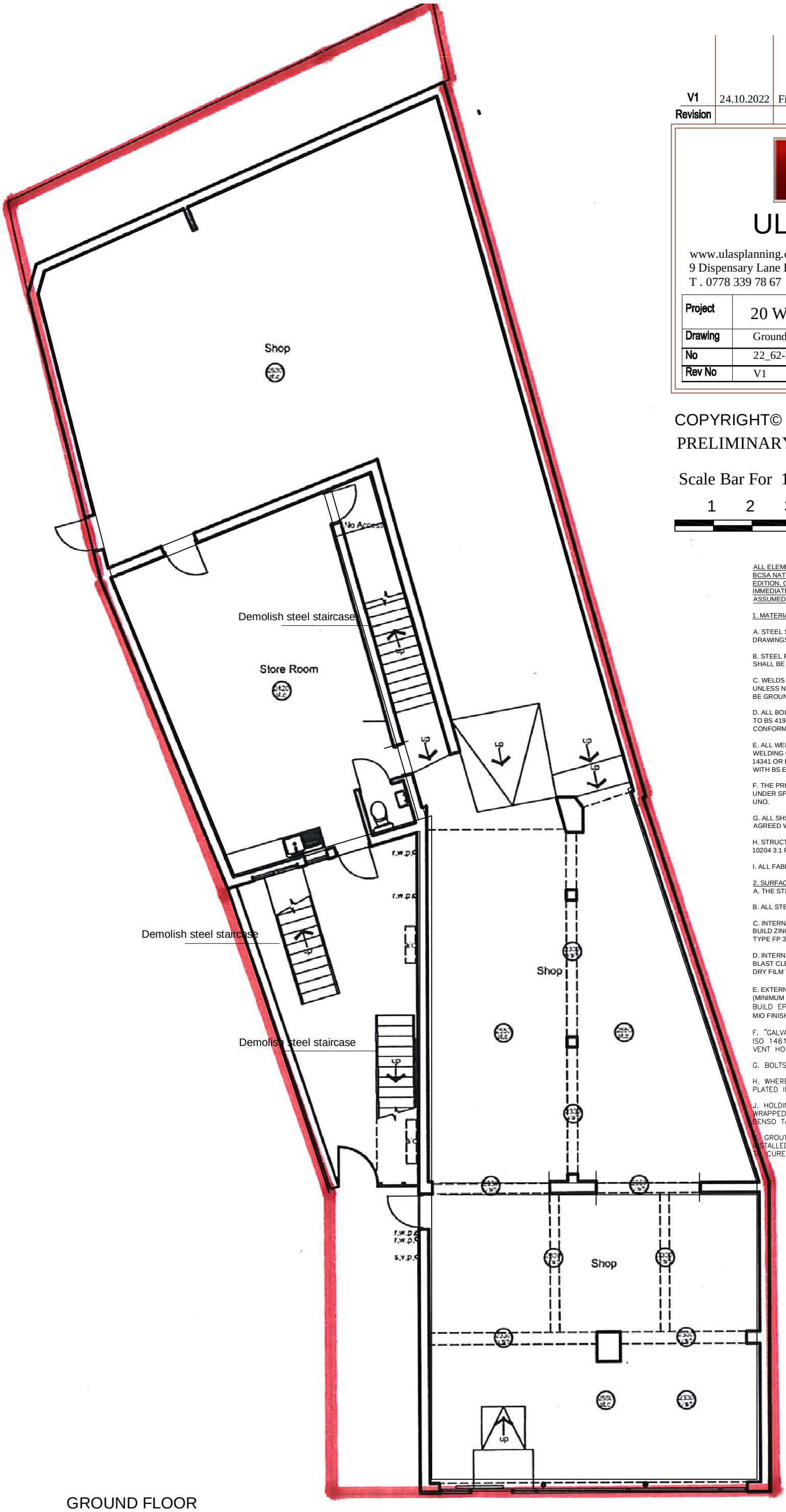

Revision		
V1	24.10.2022	First issued for comments and approval

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Project	20 Winsover Rd, Spalding PE11 1EJ		
Drawing	Ground floor existing plan	Scale	1:100 @ A3
No	22_62-P-01	Date	24.10.2022
Rev No	V1	By	U. Turk

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PRELIMINARY - NOT FOR CONSTRUCTION

Scale Bar For 1:100

1 2 3 4 5 10 m

ALL ELEMENTS OF THE STRUCTURAL STEELWORK SHOULD MEET THE REQUIREMENTS OF THE BCSA NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION, 5TH EDITION, CE MARKING VERSION. ANY DISCREPANCIES SHOULD BE REPORTED TO JMS IMMEDIATELY. WHERE DISCREPANCIES OCCUR THE MOST ONEROUS CONDITION SHOULD BE ASSUMED TO APPLY

1. MATERIALS

A. STEEL SECTIONS SHALL BE OF GRADE S275 OR S355 TO BS EN 10025 AS SPECIFIED ON THE DRAWINGS.

B. STEEL FOR CONNECTIONS AND FITTINGS SHALL BE GRADE S275. THE MINIMUM THICKNESS SHALL BE 6mm.

C. WELDS SHALL BE OF MINIMUM THROAT THICKNESS OF 6mm. ALL WELDS SHALL BE CONTINUOUS UNLESS NOTED OTHERWISE. ALL WELDS TO HAVE FULL PENETRATION. BUTT WELDED JOINTS TO BE GROUND FLUSH.

D. ALL BOLTS SHALL BE GRADE 8.8 TO BS 3692 WITH DIMENSION TOLERANCE AND THREAD LENGTH TO BS 4190 UNLESS SPECIFIED OTHERWISE. ALL ORDINARY FASTENER ASSEMBLIES SHALL CONFORM WITH BS EN 15048-1.

E. ALL WELDING CONSUMABLES SHOULD BE MANUFACTURED TO HARMONISED BS EN 13479. WELDING CONSUMABLES SHALL COMPLY WITH BS EN756, BS EN 760, BS EN ISO 2560, BS EN ISO 14341 OR BS EN ISO 17632 AS APPROPRIATE. WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH BS EN 1011-1 & BS EN 1011-2.

F. THE PREFERRED BOLT DIAMETER IS 20mm. 16mm OR 24mm DIAMETER BOLTS MAY BE ALLOWED UNDER SPECIAL CIRCUMSTANCES. HIGH STRENGTH FRICTION GRIP BOLTS WILL NOT BE REQUIRED UNO.

G. ALL SHS, RHS AND CHS SECTIONS SHALL BE HOT FORMED AND NOT COLD FORMED UNLESS AGREED WITH STRUCTURAL ENGINEER OR NOTED ON DRAWINGS.

H. STRUCTURAL ENGINEER SHALL BE SUPPLIED WITH ALL INSPECTION CERTIFICATES TO BS EN 10204 3:1 PRIOR TO ERECTION OF STEELWORK ON SITE.

I. ALL FABRICATED STEEL SHOULD BE CE MARKED IN ACCORDANCE WITH CURRENT LEGISLATION.

2. SURFACE TREATMENT

A. THE STEELWORK FINISH FOR EACH SECTION WILL BE AS SHOWN ON THE DRAWINGS.

B. ALL STEELWORK SHALL BE BLAST CLEANED TO SA 2½.

C. INTERNAL STEELWORK SHALL BE BLAST CLEANED TO SA 2½. PAINT SYSTEM SHALL BE HIGH BUILD ZINC PHOSPHATE MODIFIED POST FABRICATION PRIMER. BS 5493 PRODUCT REFERENCE TYPE FP 3A. MINIMUM DRY FILM THICKNESS 75 µm (75 MICRONS).

D. INTERNAL STEELWORK THAT BEARS ONTO THE OUTER LEAF OF AN EXTERNAL WALL SHALL BE BLAST CLEANED TO SA 2 ½. ONE COAT OF SOLVENT FREE EPOXY TO BE SHOP APPLIED. (MINIMUM DRY FILM THICKNESS OF 450 µm) (CORUS SYSTEM NO. B16.)

E. EXTERNAL STEELWORK SHALL BE BLAST CLEANED TO SA 2 ½. SHOP APPLIED ZINC PRIMER (MINIMUM DRY FILM THICKNESS 40 µm) FOLLOWED BY A 60µm SEALER COAT AND HIGH BUILD EPOXY MIO (MINIMUM DRY FILM THICKNESS 100µm). SITE APPLIED HIGH BUILD EPOXY MIO FINISH (MINIMUM DRY FILM THICKNESS 100 µm).

F. "GALVANIZED" STEELWORK SHALL MEAN HOT DIP GALVANIZED TO BS 729 OR BS EN ISO 1461 WITH A MINIMUM AVERAGE COATING THICKNESS OF 85µm. POSITIONS OF ALL VENT HOLES SHALL BE AGREED WITH JMS PRIOR TO FABRICATION.

G. BOLTS MAY BE LEFT UNPAINTED WHERE THE STEELWORK IS PAINTED.

H. WHERE STEELWORK IS GALVANIZED THE BOLTS NUTS AND WASHERS MUST BE ZINC PLATED IN ACCORDANCE WITH BS EN 22063.

J. HOLDING DOWN BOLTS TO TOP OF CONCRETE PLINTHS SHALL BE ZINC PLATED AND WRAPPED IN DENSO TAPE UNTIL AFTER CONSTRUCTION IS COMPLETED AY WHICH POINT DENSO TAPE SHALL BE REMOVED.

K. GROUT TO BE FOSROC CONBEXTRA GP OR SIMILAR APPROVED AND IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. THE GROUT NEEDS TO CURE FOR A MINIMUM OF 5 DAYS PRIOR TO LOADING

GROUND FLOOR
EXISTING
SCALE 1:100