

STEELWORK NOTES

1. STEELWORK TO BE GRADE MIN GRADE S355 JR UNO.
2. ALL STEELWORK TO BE SHOT BLASTED TO SA2.5 AND PAINTED WITH 1 COAT OF HIGH BUILD ZINC PHOSPHATE D.F.T. 80 MICRONS. ANY DAMAGED AREAS TO BE TOUCHED UP ON SITE.
3. TOP FLANGES SUPPORTING METAL DECKING TO BE LEFT UNPAINTED.
4. ALL STEELWORK WITHIN CAVITIES TO RECEIVE TWO COATS OF HIGH BLD BITUMEN PAINT.
5. REFER TO SERVICE ENGINEERS/ARCHITECT'S DRAWINGS FOR ALL SETTING OUT.
6. LATERAL STABILITY OF STEEL BEAM IN TEMPORARY CONDITION TO BE PROVIDED BY FABRICATOR.
7. STEELWORK SUBCONTRACTOR TO ISSUE FABRICATORS DRAWINGS FOR APPROVAL TO ENGINEERS 14 DAYS PRIOR TO FABRICATION.
8. ARCHITECT'S CURRENT GA'S TO BE USED AS THE BASE DRAWING WHEN SETTING OUT STEEL BEAMS.
9. DRAWING TO BE READ IN CONJUNCTION WITH:
10. ENG SPEC 3: STRUCTURAL STEELWORK

11. ALL STRUCTURAL DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH THE APPROPRIATE BRITISH STANDARDS, THE PRINCIPLES OF WHICH ARE:
 - (a) BS6399:2:1997 WIND LOADS
 - (b) BS6399:1:1996 DESIGN LOADS
 - (c) BS5950:1:2000 STRUCTURAL STEELWORK
 - (d) BS5950:5:1998 COLD ROLLED ELEMENTS
 - (e) BS8110:1:1997 STRUCTURAL CONCRETE.
 - (f) BS5628:1:2005 USE OF MASONRY.

DESIGN SUPERIMPOSED LOADS

- (a) CAR PARKS - 2.5kN/m²
- (b) PARTITIONS - NONE
- (c) STAIRS - NONE
- (d) ROOF - NONE

SUPERIMPOSED DEAD LOADS

- (a) SERVICES (OFFICE) 0.20kN/m²

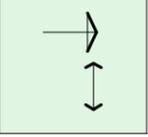
12. CONNECTIONS TO BE DESIGNED FOR THE RELEVANT FORCES AS PER STRUCTURAL ENGINEERING CALCULATIONS
13. FIRE PROTECTION TO NEW STEELWORK TO COMPLY WITH CURRENT BUILDING REGULATION REQUIREMENTS AND TO ARCHITECT'S DETAILS.
14. ALL BELOW GROUND STEELWORK IS TO BE ENCASED IN MIN. 100mm C28/35 CONCRETE REINFORCED WITH D49 WRAPPING MESH (MINIMUM 300mm LAPS). LENGTHS TO BE ENCASED IN CONCRETE ARE TO REMAIN UNPAINTED AND FREE FROM OIL, GREASE, DIRT, LOOSE RUST, AND MILL SCALE. APPLY 2 COATS OF RIW TOUGHSEAL TO CONCRETE/CONCRETE JUNCTION AND STEEL/CONCRETE JUNCTION, LAPPED TO DPM/DPC TO MANUFACTURER'S SPECIFICATION AND DETAIL. CASING TO BE CONSTRUCTED PRIOR TO SLAB BEING CAST.
15. BASEPLATE HOLDING DOWN BOLTS TO BE CAST INTO FOUNDATIONS BY MAIN CONTRACTOR. BOLTS TO BE SUPPLIED AND SET OUT CONFIRMED BY STEEL FABRICATOR TO SUIT THEIR BASEPLATE DESIGN.

ALL COLUMNS
152x152x30UC UNO
TYPICAL INT/L COL.N
LOAD = 46kN (SLS)

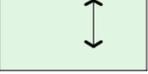
DECK

KINGSPAN MD80x1.0
THICKNESS = 150mm
MESH = A252 TOP THROUGHOUT
SINGLE SPANS - ADD.L H8 BAR PER TROUGH
PROPPING = NONE
CONCRETE = RC35
FALLS - 1:40 CROSS FALL TO OUTER EDGES
FINISH = POWER TROWELLED
(ALLOWANCE FOR 75mm SCREED IF REQ.D)

FALL OF DECK



SPAN OF DECK



203x133x25UB *** - ONE STUD/TROUGH
203x133x25UB * - ONE STUD/300mm
STUD FREQUENCY DETERMINED AFTER FINAL DESIGN
ALL STUDS 190 x120 mm LAW

DECKED CAR PARK PLAN
INDICATIVE STEEL WORK LAYOUT
(1:100)

15.04.25	FIRST ISSUE	AS	PD	P01
DATE	REVISION DESCRIPTION	BY	CHK.	REV.

DUDLEYS
CONSULTING ENGINEERS

Tithe House
35 Town Street
Leeds, LS18 5LJ
0113 258 3611
info@dudleys.co.uk

PROJECT
CHAPEL HILL
LINTHWAITE

TITLE
RAISED DECK CAR PARK
FLOOR GA

SCALE	PAPER	STATUS
1:100	A3	INFORMATION

DRAWING NO.	REV.
23345-XX-XX-XX-DR-100	P01