

CONSULTANT

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TOWER ENGINEERING GROUP
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Certificate of Authorization

Tower Engineering Group

No. 4156 Expiry: April 30, 2014

DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
0	ISSUED FOR TENDER/CONSTRUCTION	26/11/13

**PUBLIC WORKS
GOVERNMENT SERVICES
CANADA**

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Project title/Titre du projet

**STANLEY KNOWLES FIT-UP
391 YORK AVENUE**

Approved by/Approuvé par

PW

Designed by/Conçu par

DH

Drawn by/Dessiné par

NB

PWSSC Project Manager/Administrateur de Projets TPSSC

OH

PWSSC Architectural and Engineering Resources Manager

SO

Client/Client

PWSSC

Drawing title/Titre du dessin

**MAIN FLOOR FRAMING PLAN
AND SECTIONS**

Project No./No. du projet

R.056754.002

Sheet / Feuille

S2-01

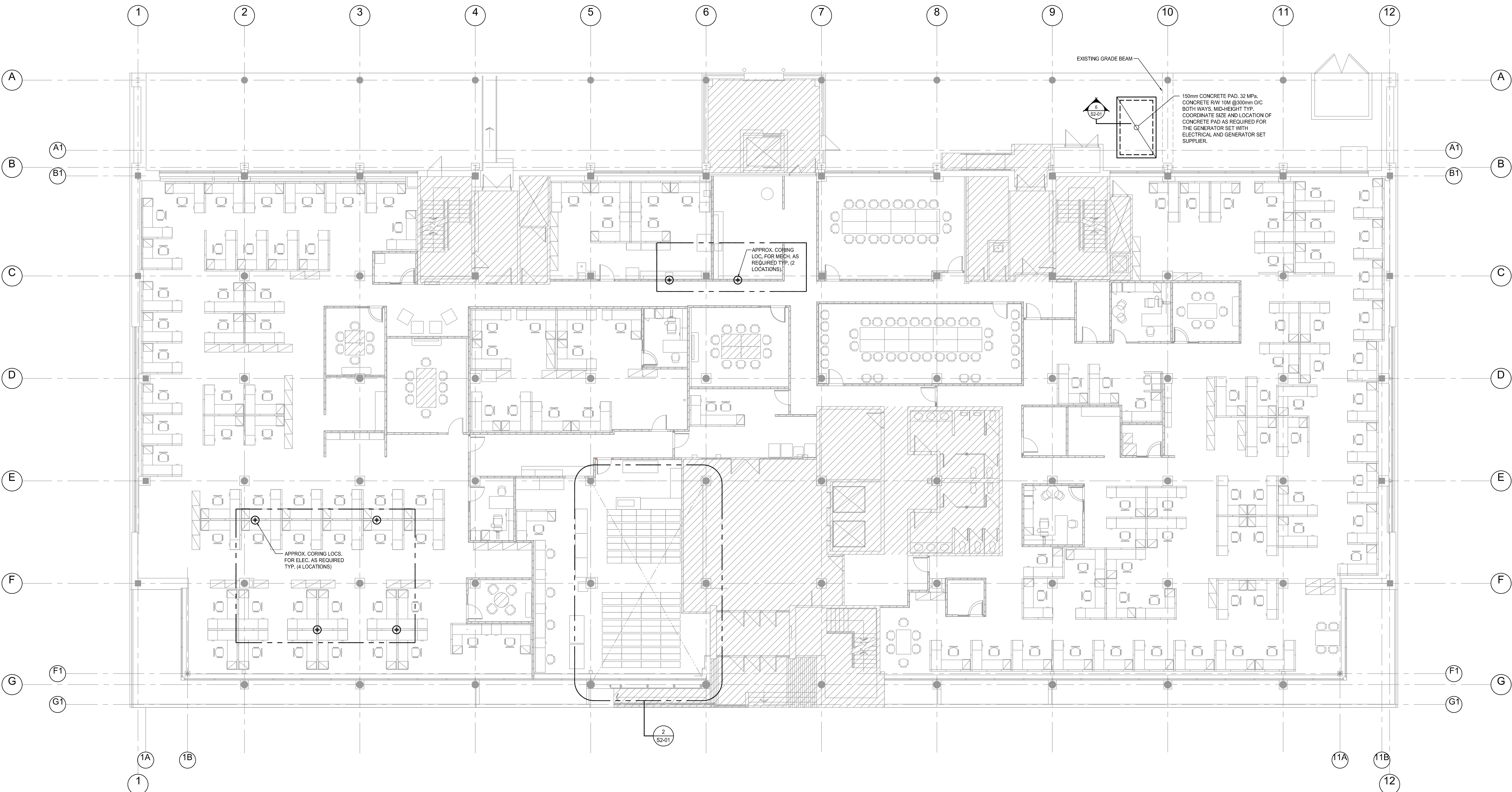
OF 3

Revision no./

La révision

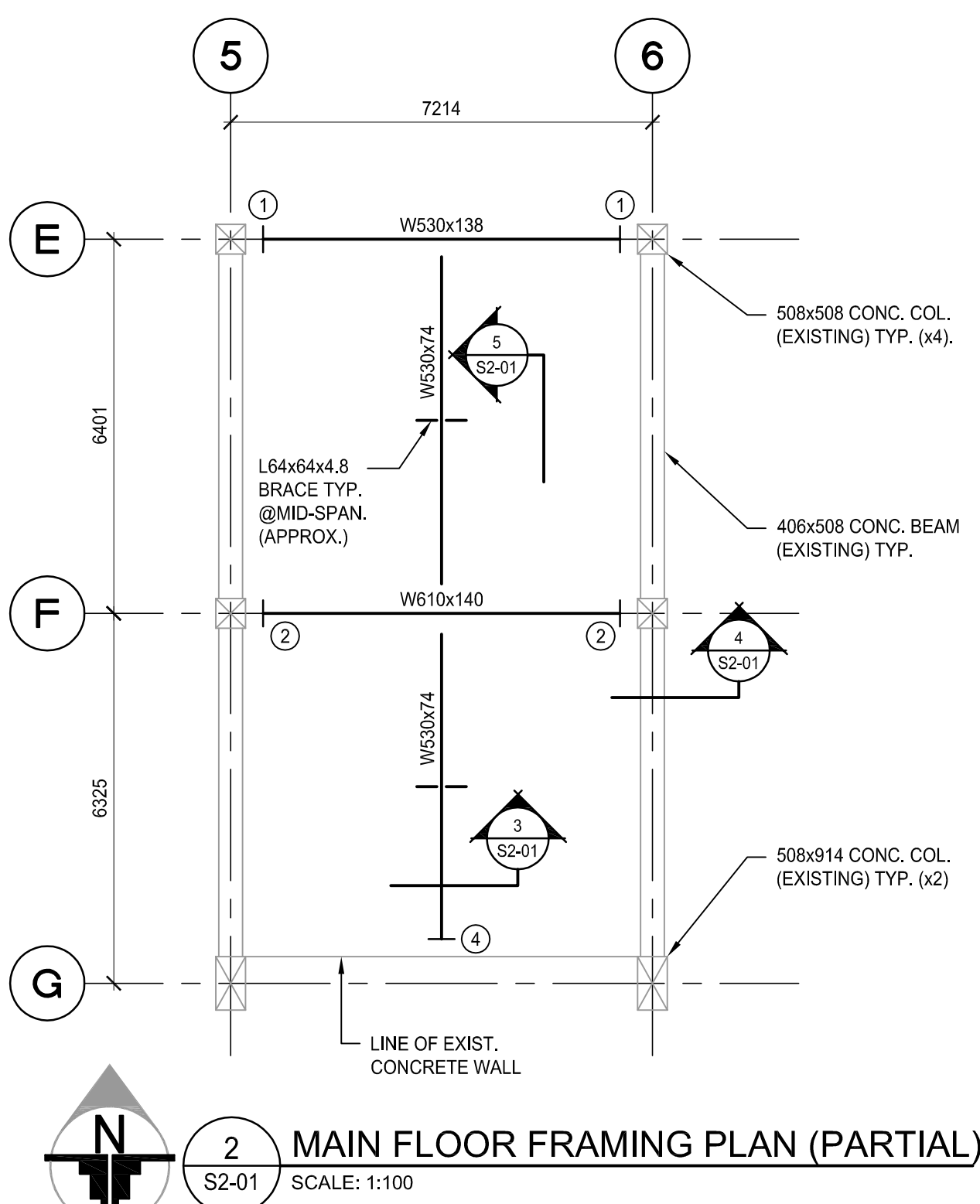
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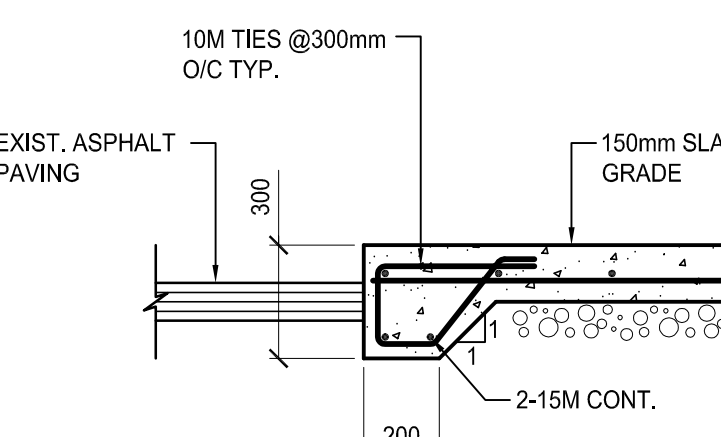
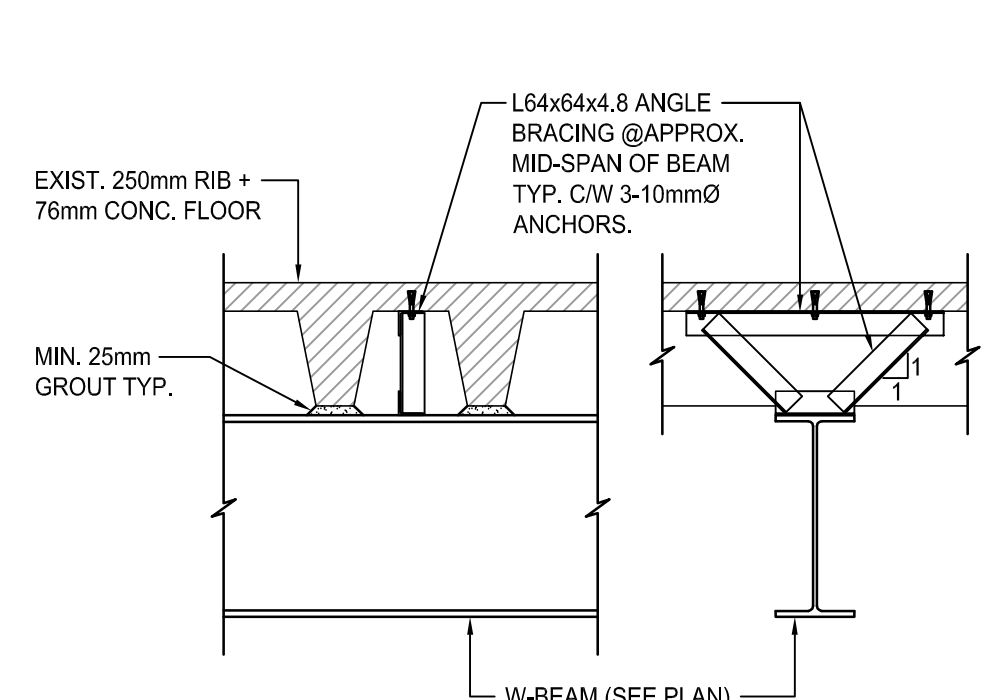
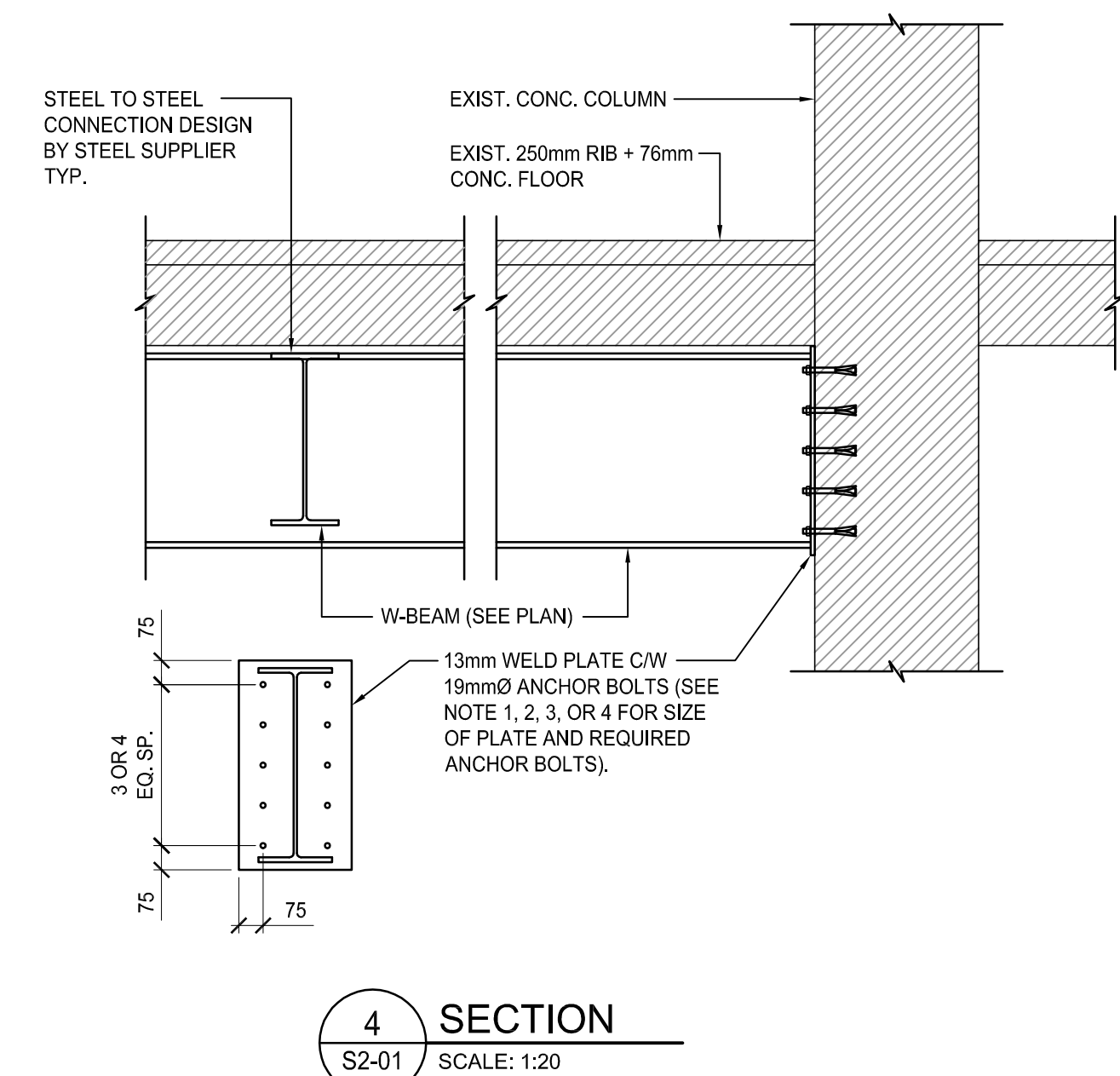
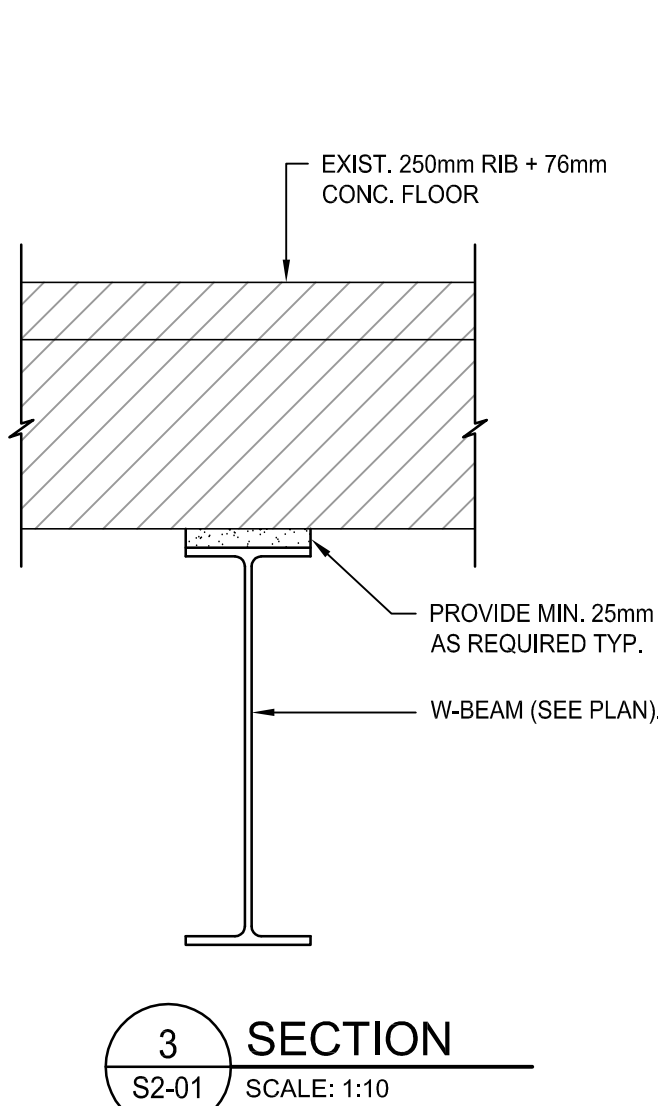


- NOTES:
- CONTRACTOR TO CONFIRM EXISTING FLOOR SYSTEM. EXISTING ASSUMED TO BE 250mm CONCRETE RIB JOIST + 75mm CONCRETE TOPPING OVER CONCRETE BEAMS.
 - REPORT TO TOWER ENGINEERING IF EXISTING CONDITIONS ARE FOUND TO BE DIFFERENT.
 - CONTRACTOR TO PROVIDE TEMPORARY CHORING OF THE EXISTING FLOOR PRIOR TO CUTTING/CORING/CHIPPING AWAY AN OPENING IN THE EXISTING SLAB.
 - CONTRACTOR TO CORE OR CHIP AWAY EXISTING CONCRETE SLAB WITHOUT DAMAGING EXISTING STEEL REINFORCING FOR ALL OPENINGS AS REQUIRED AS PER ELECTRICAL AND MECHANICAL DRAWINGS. FLOOR OPENINGS TO BE PATCHED AND MADE GOOD TYP.
 - CONTRACTOR TO ENSURE MINIMAL DAMAGE TO SURROUNDING EXISTING CONCRETE FLOOR SLAB.
 - CONTRACTOR TO POSITION ALL FLOOR OPENINGS SUCH THAT THE MINIMAL AMOUNT OF EXISTING REINFORCING STEEL IS REMOVED DURING DEMOLITION.
 - REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EXACT SIZES AND LOCATIONS OF ALL FLOOR OPENINGS.

- PROVIDE 13mmx300mmx600mm WELD PLATE C/W 8-19mm ϕ HLT HAS SUPER ASTM A 193 B7 STEEL THREADED RODS W/ HIT-HY 200 ADHESIVE SYSTEM MIN. 175mm EMBEDMENT INTO EXISTING CONCRETE COLUMN OR EXISTING CONCRETE WALL TYP.
- PROVIDE 13mmx350mmx650mm WELD PLATE C/W 10-19mm ϕ HLT HAS SUPER ASTM A 193 B7 STEEL THREADED RODS W/ HIT-HY 200 ADHESIVE SYSTEM MIN. 175mm EMBEDMENT INTO EXISTING CONCRETE COLUMN TYP.
- PROVIDE 13mmx300mmx600mm ROLLED WELD PLATE C/W 8-19mm ϕ HLT HAS SUPER ASTM A 193 B7 STEEL THREADED RODS W/ HIT-HY 200 ADHESIVE SYSTEM MIN. 175mm EMBEDMENT INTO EXISTING CONCRETE WALL TYP.
- PROVIDE 13mmx300mmx600mm WELD PLATE C/W 6-19mm ϕ HLT HAS SUPER ASTM A 193 B7 STEEL THREADED RODS W/ HIT-HY 200 ADHESIVE SYSTEM MIN. 175mm EMBEDMENT INTO EXISTING CONCRETE COLUMN TYP.
- PROVIDE 2-13mmx200mmx25mm (LDV) AND 1-13mmx25mmx250mm (LDH) WELD PLATES C/W 3-19mm ϕ (PER PLATE) HLT HAS SUPER ASTM A 193 B7 STEEL THREADED RODS W/ HIT-HY 200 ADHESIVE SYSTEM MIN. 175mm EMBEDMENT INTO EXISTING CONCRETE COLUMN TYP.



NOTE: W30x138 BEAMS TO BE INSTALLED TO US OF EXISTING CONC. FLOOR, (PROVIDE MIN. 25mm GAP TO ALLOW FOR NON-SHRINK GROUT TYP.). DESIGN BASED ON LL= 9.6 KPa.



- SLAB PREPARATION:
- REMOVE EXISTING ASPHALT PAVEMENT.
 - REMOVE EXISTING BASE TO INSURE A MINIMUM OF 300mm OF NEW GRANULAR FILL BELOW US OF NEW SLAB.
 - PROOF ROLL AND COMPACT EXPOSED SUB-BASE TO 95% SPMD.
 - PLACE AND COMPACT 300mm DEEP NEW GRANULAR MATERIAL IN MAX. 150mm LIFTS, COMPACTED TO 100% SPMD.