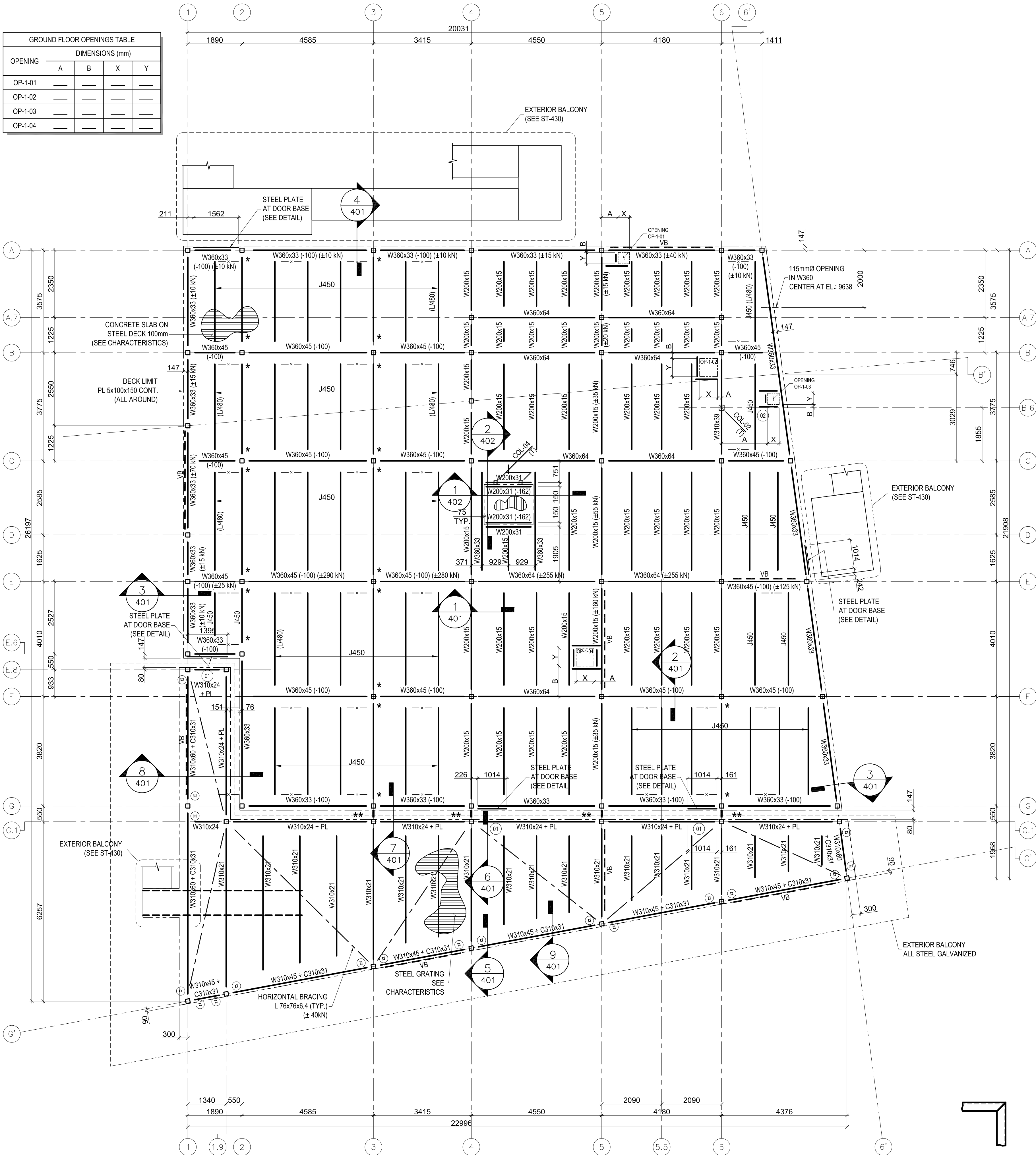


OPENING	DIMENSIONS (mm)			
	A	B	X	Y
OP-1-01	—	—	—	—
OP-1-02	—	—	—	—
OP-1-03	—	—	—	—
OP-1-04	—	—	—	—



GROUND FLOOR PLAN
1/75

TYPICAL C310 JUNCTION DETAIL
NO SCALE

GROUND FLOOR CHARACTERISTICS:

- TOP OF STEEL BEAM / JOIST EL.: 9812
- STEEL DECK 38mm DEPTH, TYPE Z2 (P-3606 - Composite)
- CONCRETE SLAB ON STEEL DECK 100mm DEPTH (38mm + 62mm)
- REINFORCEMENT: WIREMESH - 152x152 - MW18.7/MW18.7
- ADDITIONAL REINFORCEMENT IN TOP OF SLAB: SEE TYPICAL DETAIL ON ST-490
- STEEL DECK FIXATION:
 - A. FIXATION AT SUPPORT:
 - a. HILT: X-ENP-19; FIXATION PATTERN 36/7 (SEE TABLE)
 - B. FIXATION AT SIDE-LAP:
 - b. #10 SCREW @ 300c/c
- SEAT DEPTH: 100mm
- STEEL JOIST: SEE PLAN.
- OPENINGS: CONTRACTOR MUST REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR DIMENSIONS AND LOCATIONS.

DESIGN CRITERIA:

1. DEAD LOAD:
 - FLOOR FINISH: 1.14 kPa
 - PARTITIONS: 1.00 kPa
 - COMPOSITE SLAB: 1.85 kPa
 - STEEL STRUCTURE: 0.28 kPa
 - MECHANICAL + ELECTRICAL: 0.25 kPa
 - SUSPENDED ISOLATION: 0.16 kPaTOTAL: 4.68 kPa
2. LIVE LOAD: SEE LIVE LOAD PLAN
3. DEFLECTION UNDER LIVE LOAD: L/360 (TYP., U.O.S.)

EXTERIOR FLOOR CHARACTERISTICS:

- TOP OF STEEL BEAM EL.: 9968
- STEEL GRATING TYPE 19-P-4 (30-102) BEARING BAR 32mm x 3.2mm (GALV.)
- STEEL GRATING FIXATION:
 - A. FIXATION AT SUPPORT:
 - a. MECHANICAL FIXATION (BY STEEL FABRICATOR)

DESIGN CRITERIA:

1. DEAD LOAD:
 - GRATING: 0.30 kPa
 - BEAMS: 0.35 kPa
 - MECHANICAL + ELECTRICAL: 0.25 kPaTOTAL: 0.90 kPa
2. LIVE LOAD: SEE LIVE LOAD PLAN
3. DEFLECTION UNDER LIVE LOAD: L/360 (TYP., U.O.S.)

PATTERN	
36/4	• • • • •
36/7	• • • • •
36/9	• • • • •
36/11	• • • • •

COLUMN	COLUMN DIMENSIONS	
	EPS - 24F-ES/NPG	DOUGLAS-FIR 24F-EX
COL-01	2- 137x222	2- 130x228
COL-02	184x184	175x190
COL-03	2- 184x222 + 44x222	2- 175x228 + 80x228
COL-04	137x137	130x152

NOTE - GROUND FLOOR

01	INTERRUPT BENT PLATE AT DOOR BASES
02	MECHANICAL CONDUIT PASSING THROUGH THE JOIST 305x255 CLEAR OPENING REQUIRED

LEGEND

*	TIE JOIST
**	STEEL CONNECTION BETWEEN BALCONY AND BUILDING (SEE SECTION)
Jxxx	xxx = JOIST DEPTH (mm)
VB	VERTICAL BRACING
(±__kN)	FACTORED AXIAL LOAD TO BE CONSIDERED FOR CONNECTIONS
—x—	SHEAR CONNECTOR
T	COLUMN ON BEAM
T.O.S.	TOP OF STEEL BEAM / JOIST
T.O.W.	TOP OF WOOD BEAM
T.O.C.	TOP OF CONCRETE
B.O.S.	BOTTOM OF STEEL
U.O.S.	UNLESS OTHERWISE SPECIFIED
CP:	CUT OF PILE LEVEL
Pl-# -	PILE HEAD (SEE DETAIL ON S301)
BP-_-##	BASE PLATE (SEE DETAIL ON S402)
⊖	TORSION (5 kN-m)