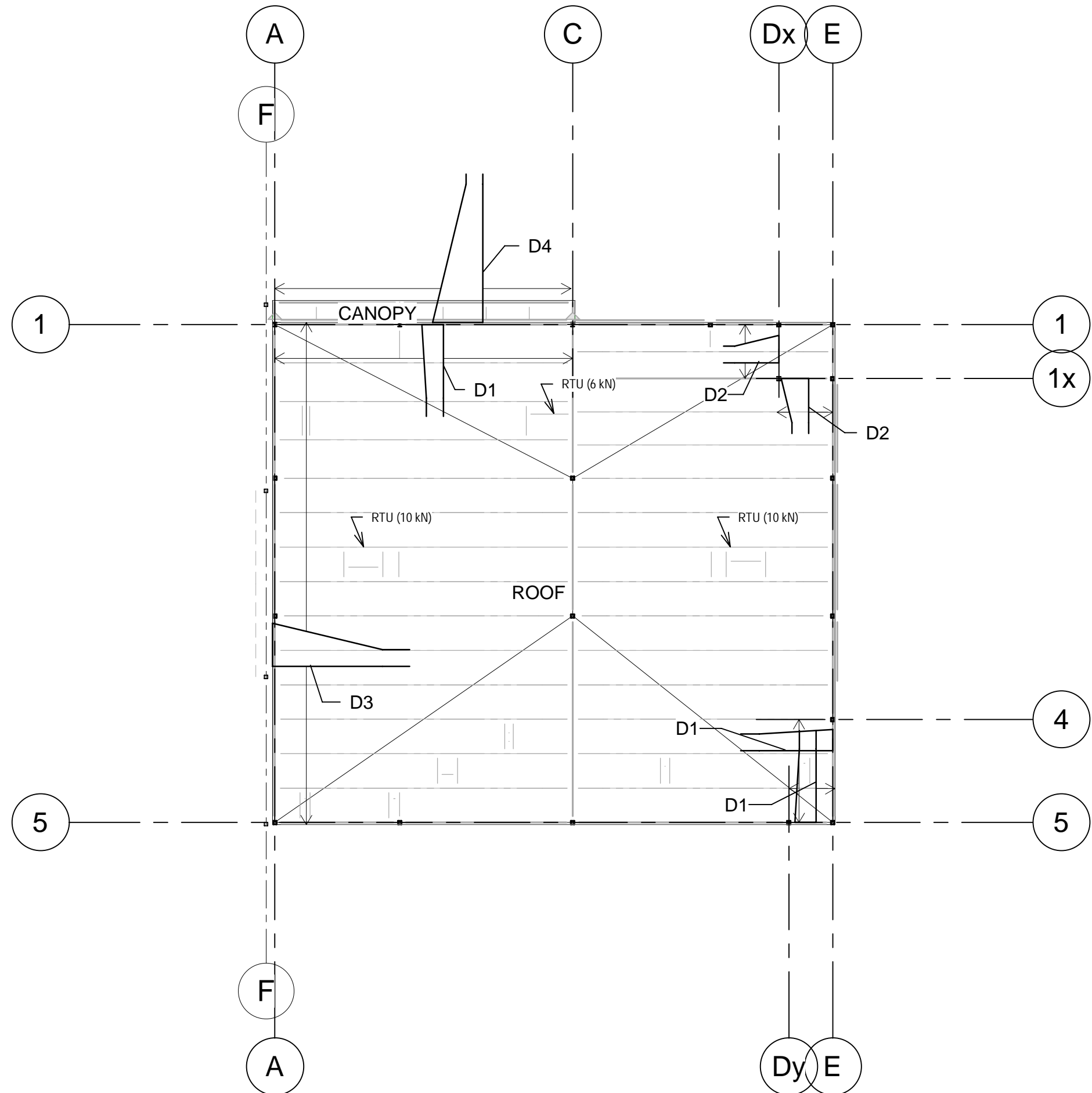
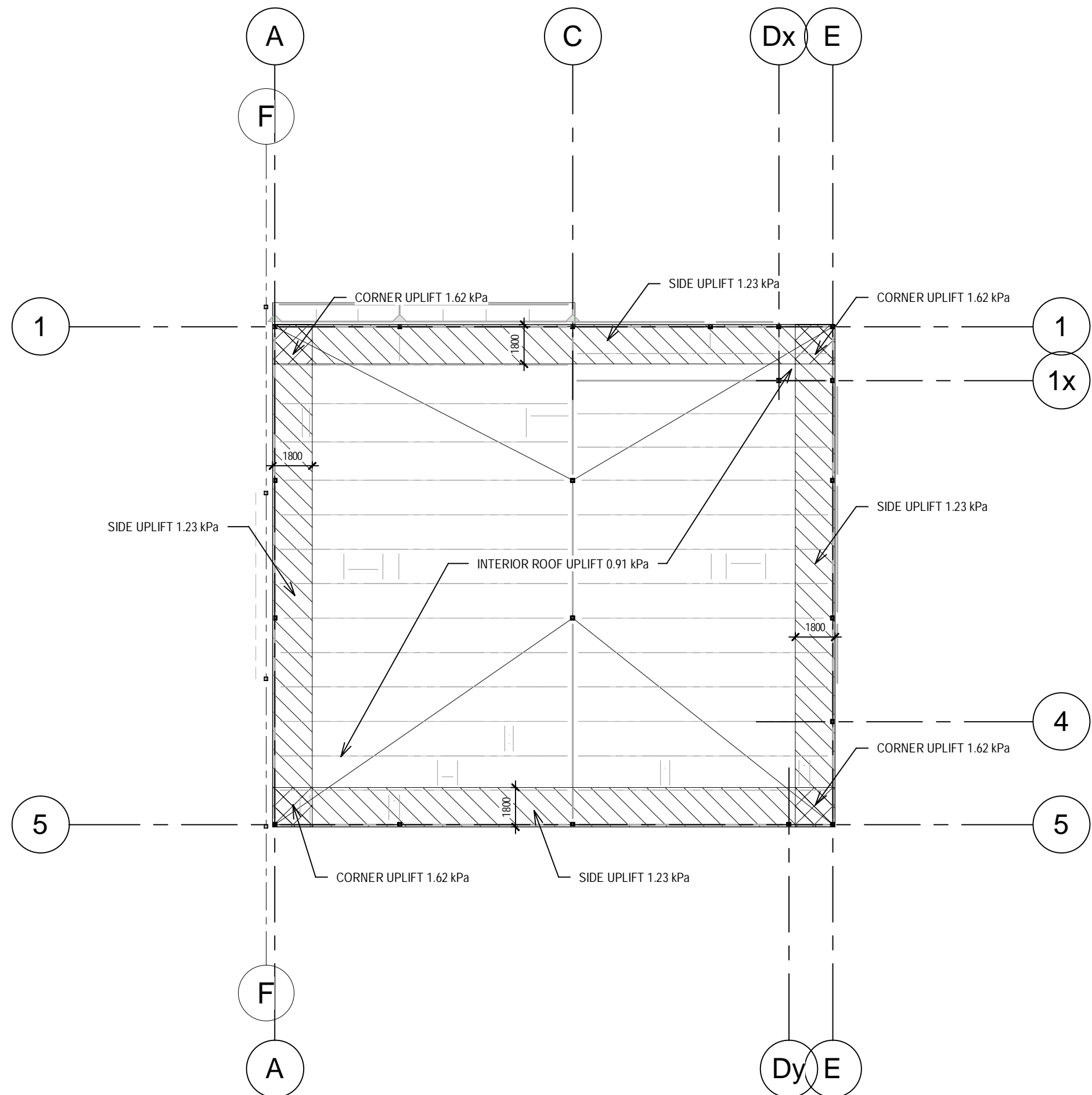


2 CANOPY FRAMING PLAN
S150 1 : 200

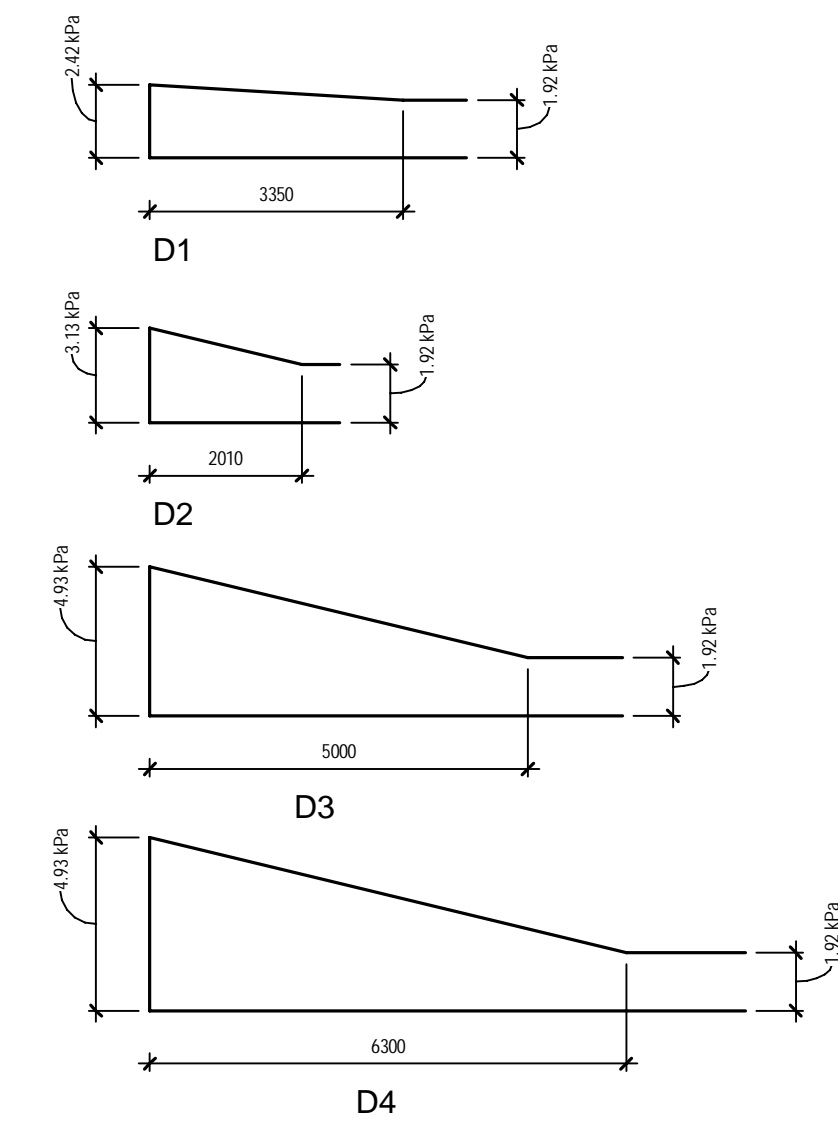


1 ROOF GRAVITY LOADS
S150 1 : 200

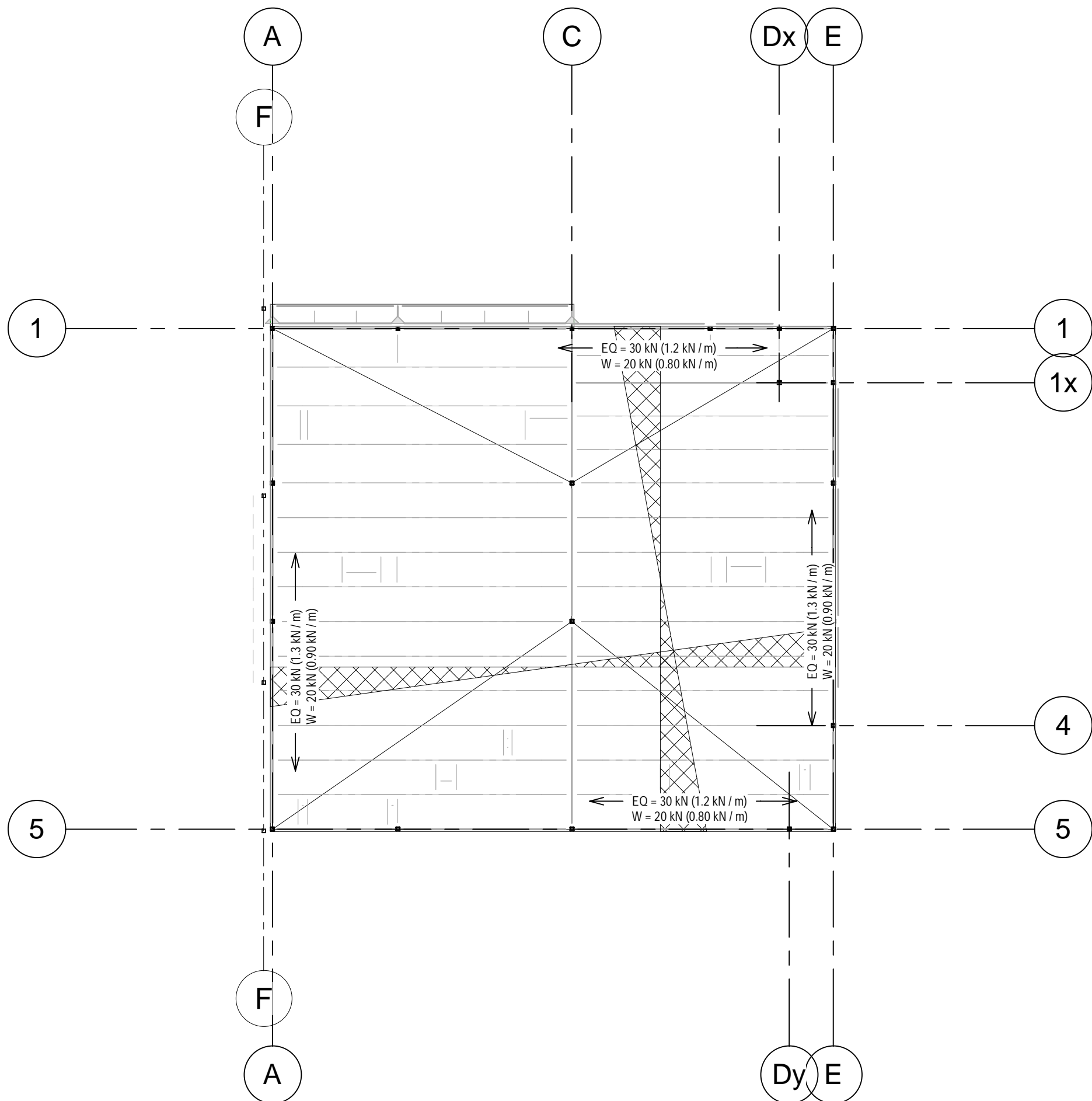


3 ROOF WIND UPLIFT
S150 1 : 200

ROOF LOADING			
DEAD			
ROOFING	12 psf	0.57 kPa	
STEEL DECK	2 psf	0.10 kPa	
STEEL / JOISTS	3 psf	0.14 kPa	
MECHANICAL / ELECTRICAL	5 psf	0.24 kPa	
CEILING	4 psf	0.19 kPa	
	26 psf	1.24 kPa	
LIVE			
SNOW	40 psf	1.92 kPa	
	40 psf	1.92 kPa	



CANOPY LOADING			
DEAD			
ROOFING	8 psf	0.38 kPa	
STEEL DECK	2 psf	0.10 kPa	
STEEL	3 psf	0.14 kPa	
MECHANICAL / ELECTRICAL	2 psf	0.10 kPa	
CEILING	4 psf	0.19 kPa	
	19 psf	0.91 kPa	
LIVE			
SNOW	40 psf	1.92 kPa	
	40 psf	1.92 kPa	



4 ROOF SHEAR DIAPHRAGM
S150 1 : 200

CLIMATIC DATA			
SNOW LOAD			
Ss	1.90 kPa	39.6 psf	
Sr	0.40 kPa	8.33 psf	
RAIN LOAD			
ONE DAY RAIN	113 mm	4.45 in	
WIND LOAD			
q50	0.44 kPa	9.17 psf	
SEISMIC FACTORS			
Sa(0.2)	0.118	Sa(2.0)	0.022
Sa(0.5)	0.075	Sa(5.0)	0.0055
Sa(1.0)	0.043	Sa(10.0)	0.0022
PGA	0.071	PGV	0.058
SOURCE: ONTARIO BUILDING CODE 2012			

LATERAL LOAD RESISTING SYSTEM

- LATERAL WIND AND SEISMIC LOADS APPLIED TO THE STRUCTURE ARE RESISTED BY THE FOLLOWING:
- VERTICAL BRACED FRAMES ON THE 4 EXTERIOR WALLS OF THE BUILDING AS IDENTIFIED ON THE ELEVATION DRAWINGS
- WIND LOAD DESIGN PARAMETERS:
- DESIGN PROCEDURE - STATIC PROCEDURE
 - HOURLY WIND PRESSURE - q50 = SEE CLIMATIC DATA
 - WIND IMPORTANCE FACTOR - NORMAL: Iw = 1.0 (ULS); Iw = 0.75 (SLS)
 - WIND EXPOSURE FACTOR - OPEN TERRAIN Ca = 0.9
 - WIND PRESSURE COEFFICIENTS - FOR PRIMARY STRUCTURAL ACTIONS: BASED ON TABLE I-7; FOR DESIGN OF CLADDING MEMBERS BASED ON TABLE I-8; FOR ROOF UPLIFT COEFFICIENTS: BASED ON TABLE I-9; FOR INTERIOR PRESSURE: BASED ON CATEGORY 2
 - WIND GUST COEFFICIENTS - Cg = 2.0, Cq = 2.0
 - WIND BASE SHEAR: Vw = 50 kN (NS); Vw = 50 kN (E/W)
- SEISMIC DESIGN PARAMETERS:
- DESIGN PROCEDURE - EQUIVALENT STATIC FORCE PROCEDURE
 - EARTHQUAKE IMPORTANCE FACTOR - NORMAL IE = 1.0 (ULS)
 - SEISMIC HAZARD PARAMETERS - SEE CLIMATIC DATA
 - SITE CLASSIFICATION - CLASS = D
 - TYPE OF SEISMIC FORCE RESISTING SYSTEM (SFRS): CONVENTIONAL STEEL BRACED FRAME; Rd = 1.5; Ro = 1.3
 - FUNDAMENTAL PERIOD: Ta = 0.12 s
 - SEISMIC BASE SHEAR: Vb = 60 kN (NS & E/W)

LOADING PLAN NOTES

- GRAVITY LOADS
- ANY MECHANICAL OR OTHER EQUIPMENT LOADS INDICATED ON PLAN ARE IN ADDITION TO THE UNIFORM MECHANICAL LOAD ALLOWANCE FOR EACH FLOOR / ROOF AREA
 - SNOW DRIFT LOADS ARE SHOWN ON PLANS AND ARE TO BE INCLUDED AROUND ALL MECHANICAL EQUIPMENT AS INDICATED
 - THE ROOF DESIGN LOAD IS TO INCLUDE
 - LIVE LOAD OR
 - SNOW LOAD (INCLUDING DRIFTS WHERE SHOWN ON PLAN) OR
 - RAIN LOADS (INCLUDING PONDING AS SHOWN ON PLAN)(THESE THREE LOADS DO NOT NEED TO BE CONSIDERED SIMULTANEOUSLY)
- WIND UPLIFT
- WIND UPLIFT LOADS ARE GROSS UNFACTORED WIND UPLIFT VALUES
- DECK SHEAR DIAPHRAGM
- DECK SHEAR DIAPHRAGM LOADS ARE FACTORED SHEAR DIAPHRAGM DESIGN VALUES

ORIGINAL FULL SIZE DRAWINGS ARE ARCH E1 - 30" x 42"
DO NOT SCALE DRAWINGS
ALL CONSTRUCTION MUST CONFORM TO ALL APPLICABLE LOCAL CODES, BY LAWS AND ALL REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION
THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL THE DRAWING IS LABELED ISSUED FOR CONSTRUCTION AND THE ENGINEERING SEAL IS SIGNED BY THE ENGINEER OF RECORD
VAN EE ENGINEERING IS NOT RESPONSIBLE FOR THE ACCURACY OF SURVEY, ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC. INFORMATION SHOWN ON THESE DRAWINGS. INFORMATION FOR OTHER DISCIPLINES IS SHOWN FOR REFERENCE ONLY. REFER TO THE APPROPRIATE DRAWINGS BEFORE PROCEEDING WITH ANY WORK.
THESE DRAWINGS ARE COPYRIGHT AND PROPERTY OF VAN EE ENGINEERING AND MAY NOT BE USED FOR ANY PURPOSES OTHER THAN FOR THE PROJECT FOR WHICH IT WAS PREPARED.

1	2023-11-23	PERMIT AND TENDER	DVE
2	DATE	DESCRIPTION	BY



PROJECT
PROPOSED COMMERCIAL DEVELOPMENT BUILDING J
419 NORWICH AVE
WOODSTOCK, ONTARIO

DRAWING
LOADING DIAGRAMS

PROJECT NO.
SFJ0594801
PROJECT DATE
NOV/2023
DRAWN BY
DVE
DESIGNED BY
DVE
SCALE
As indicated



0 5 10 20 30 40 50 mm
0" 1/4" 1/2" 1" 2"

DRAWING NO. **S150**

GROUND FLOOR AND FOUNDATION NOTES

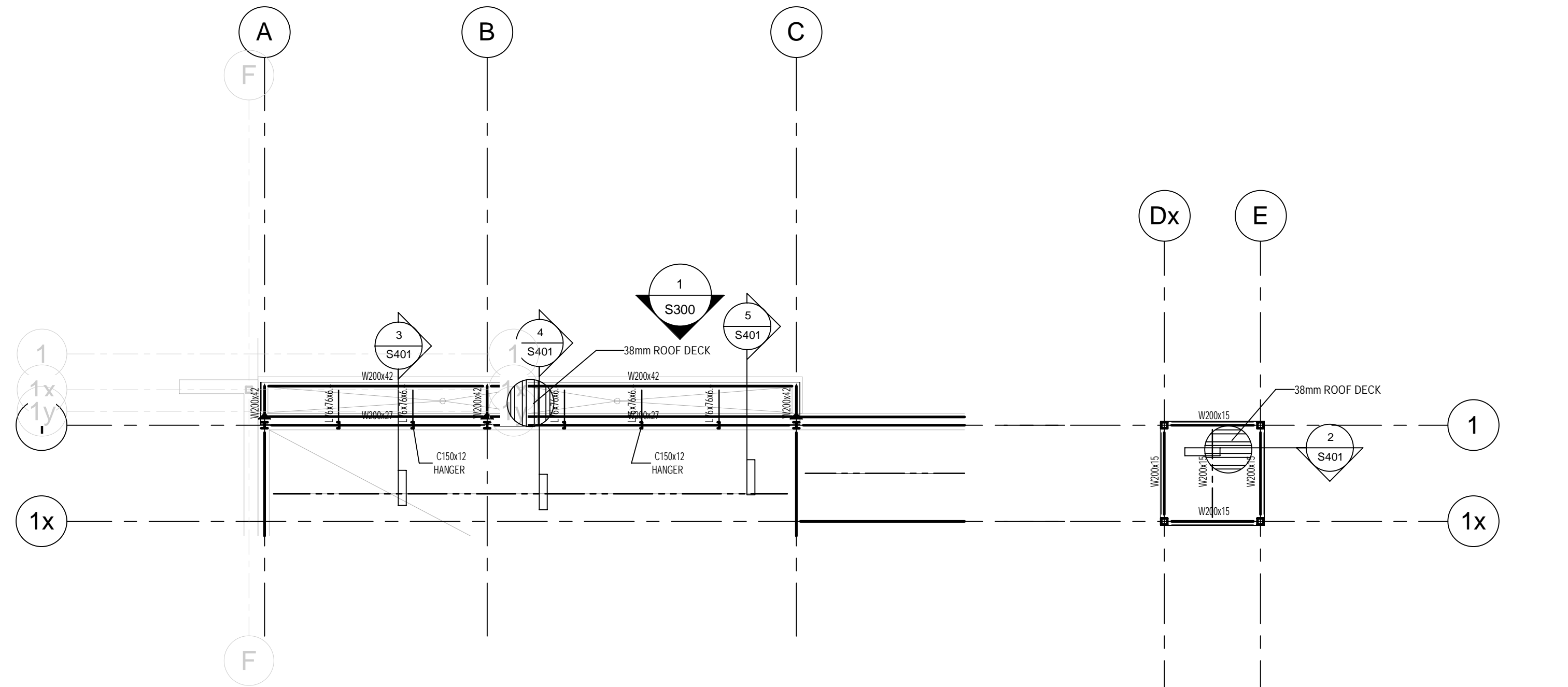
1. FINISHED FLOOR LEVEL IS AT ELEVATION AS NOTED ON ARCH. DWGS.
2. SEE ALSO ARCHITECTURAL DRAWINGS FOR OPENINGS AND DEPRESSIONS.
3. ALL FOUNDATION WORKS INCLUDING EXCAVATION, BACKFILL & COMPACTION SHALL CONFORM TO RECOMMENDATIONS PROVIDED IN THE SOIL REPORT PREPARED BY ATKINSON DAVIES INC. REPORT 1-4692 DATED FEB 2, 2011.
4. ALL FOOTINGS SHALL BE CARRIED DOWN TO SOIL CAPABLE OF SUSTAINING 143 kPa MIN (SL&S) AND 215 kPa (ULS) UNLESS NOTED ON PLAN.
5. SLAB ON EARTH SHALL BE PLACED ON SOIL CAPABLE OF SUSTAINING 1.5 ksf (75 kPa) AND OF SUFFICIENT COMPACTION THAT NO DIFFERENTIAL SETTLEMENT SHALL TAKE PLACE BETWEEN THE SLAB ON EARTH AND BUILDING FOOTINGS. INFORMATION RELATING TO THE BEARING ELEVATIONS FOR THE FOOTINGS AND SLAB ON GRADE IS BASED ON INFORMATION AVAILABLE AT THE TIME WHEN DWGS. WERE ISSUED. THE CONTRACTOR SHALL PLACE FOOTINGS AND FLOORS ON GRADE ON SOIL CAPABLE OF SUPPORTING THE PRESSURES GIVEN ON THE DRAWINGS AND SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER. ANY ADJUSTMENTS CONSIDERED NECESSARY SHALL BE REPORTED BEFORE PROCEEDING WITH WORK.
7. SEE ALSO GENERAL NOTES AND TYPICAL DETAILS ON S100 SERIES DRAWINGS.
9. LOWER FOOTING/WALL WHERE NECESSARY TO SUIT SITE CONDITIONS AND TO MAINTAIN 1200mm MINIMUM FROST PROTECTION FOR EXTERIOR FOOTING.
9. CONCRETE STRENGTH:
 - 20 MPa FOR FOOTINGS
 - 25 MPa FOR PIERS AND FOUNDATION WALLS
 - 25 MPa FOR INTERIOR SLABS
 - 30 MPa CLASS C2 CONCRETE FOR ALL EXTERIOR CONCRETE SLABS, CURBS, SIDE WALK ETC.
14. ALL SLAB ON GRADE TO BE FOUNDED ON MINIMUM 150mm THICK OF COMPACTED GRANULAR SUBGRADE (19mm STONE OR GRANULAR A) AS SPECIFIED IN THE SOIL REPORT.
15. ALL FOOTINGS AND SUBGRADE MUST BE INSPECTED BY A QUALIFIED SOIL ENGINEER PRIOR TO PLACING CONCRETE. CENTRELINE OF ALL FOOTINGS TO BE AT CENTRELINE OF COLUMN GRIDLINES, EXCEPT AS NOTED.
17. UNLESS NOTED OTHERWISE, PROVIDE 7" THICK CONCRETE SLAB ON GRADE.
18. PROVIDE DOWELS FROM TOP OF FOOTINGS TO WALLS/COLUMNS, SAME SIZE AND NUMBER AS COLUMN/WALL VERTICAL REINFORCING, TYPICAL UNLESS NOTED.
19. PROVIDE ALL NECESSARY AND ADEQUATE TEMPORARY DEWATERING, AS SPECIFIED IN THE SOIL REPORT.
20. PROVIDE ALL PERIMETER DRAINAGE SYSTEMS AS SPECIFIED ON THE ARCH. / MECH DWG. AND AS SPECIFICATION IN THE SOIL REPORT.
21. CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS AND OFFSETS WITH THOSE SHOWN ON THE LATEST ARCHITECTURAL DRAWING ISSUED FOR CONSTRUCTION PRIOR TO PROCEED ANY STRUCTURAL WORKS. SHOULD ANY DISCREPANCY EXIST, DIMENSIONAL INFORMATION SHOWN ON ARCHITECTURAL DRAWING SHALL GOVERN.

ROOF FRAMING NOTES

1. U/S OF STEEL DECK ELEVATION XXX, VERIFY ARCHITECTURAL DRAWINGS SEE ALSO PLAN FOR STRUCTURAL ROOF SLOPE.
2. ALL JOIST SPACES TO BE 4" DEEP UNLESS NOTED.
3. DESIGN LOADS SEE DRAWING S150.
4. SEE ALSO GENERAL NOTES ON S100 SERIES DRAWINGS.
5. PROVIDE POSITIVE UPWARD CAMBER FOR DWSJ IN ACCORDANCE WITH CSA-S16.
6. PROVIDE C150x12 FRAME AROUND ALL MECHANICAL OPENINGS TYPICAL UNLESS NOTED. FOR SIZE AND LOCATION OF OPENING, SEE MECHANICAL DRAWING.

PAD FOOTING SCHEDULE					
TYPE	LENGTH	WIDTH	THICKNESS	TOP REINF	BOT REINF
F1	1000	1000	300		6-10M B.E.W.
F2	1200	1200	300		8-10M B.E.W.
F3	1500	1500	300		9-10M B.E.W.
F4	1750	1750	350		7-15M B.E.W.
F5	1000	2500	400		8-10M x 2350; 10-15M x 850
F6	900	1600	400		8-10M x 1450; 13-10M x 750

PIER SCHEDULE			
PIER	SIZE	SIZE	REINFORCING
P1	500	500	4-15M VERT; 10M@400 TIES

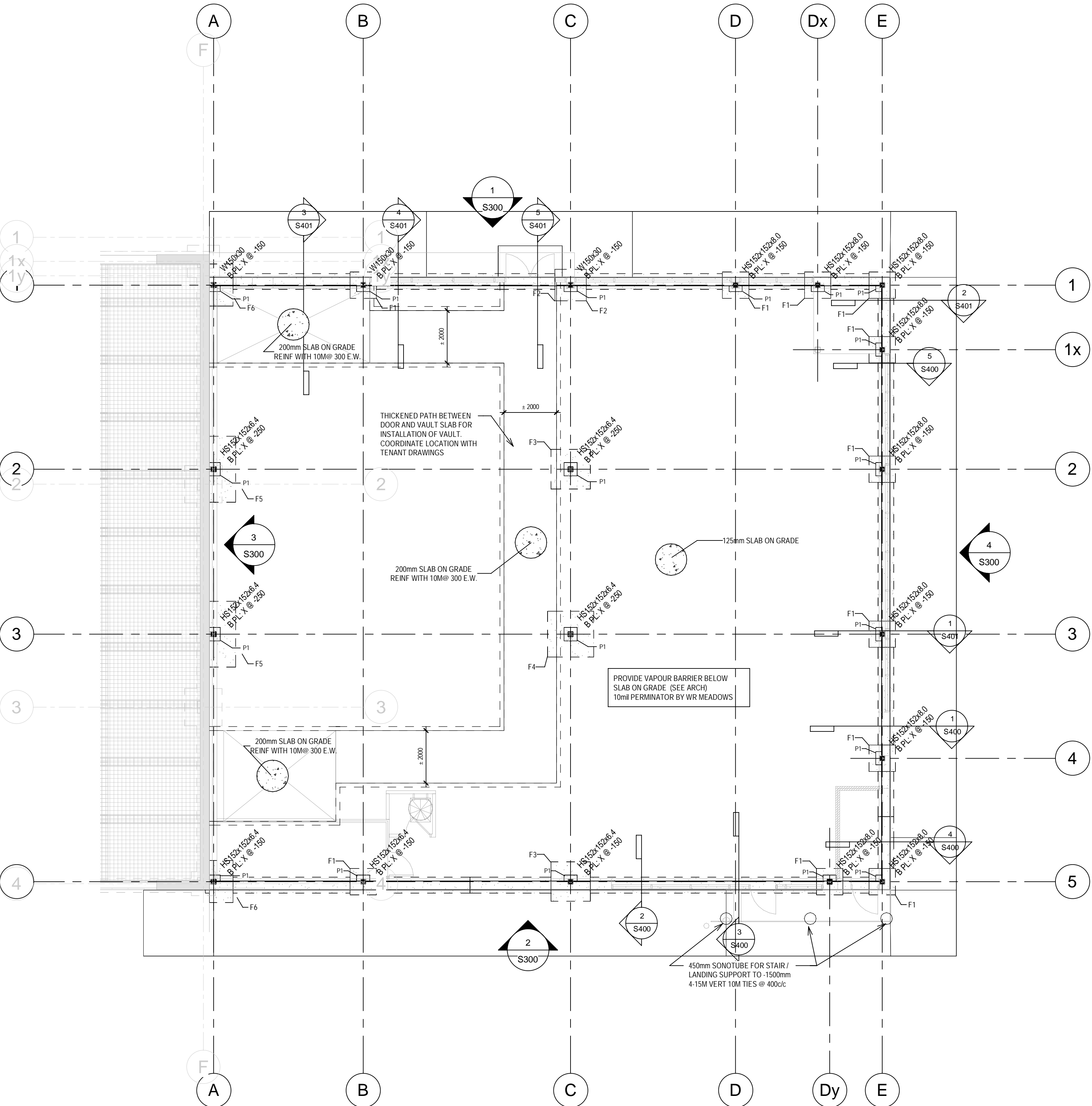


3 CANOPY FRAMING PLAN

S200 1 : 100

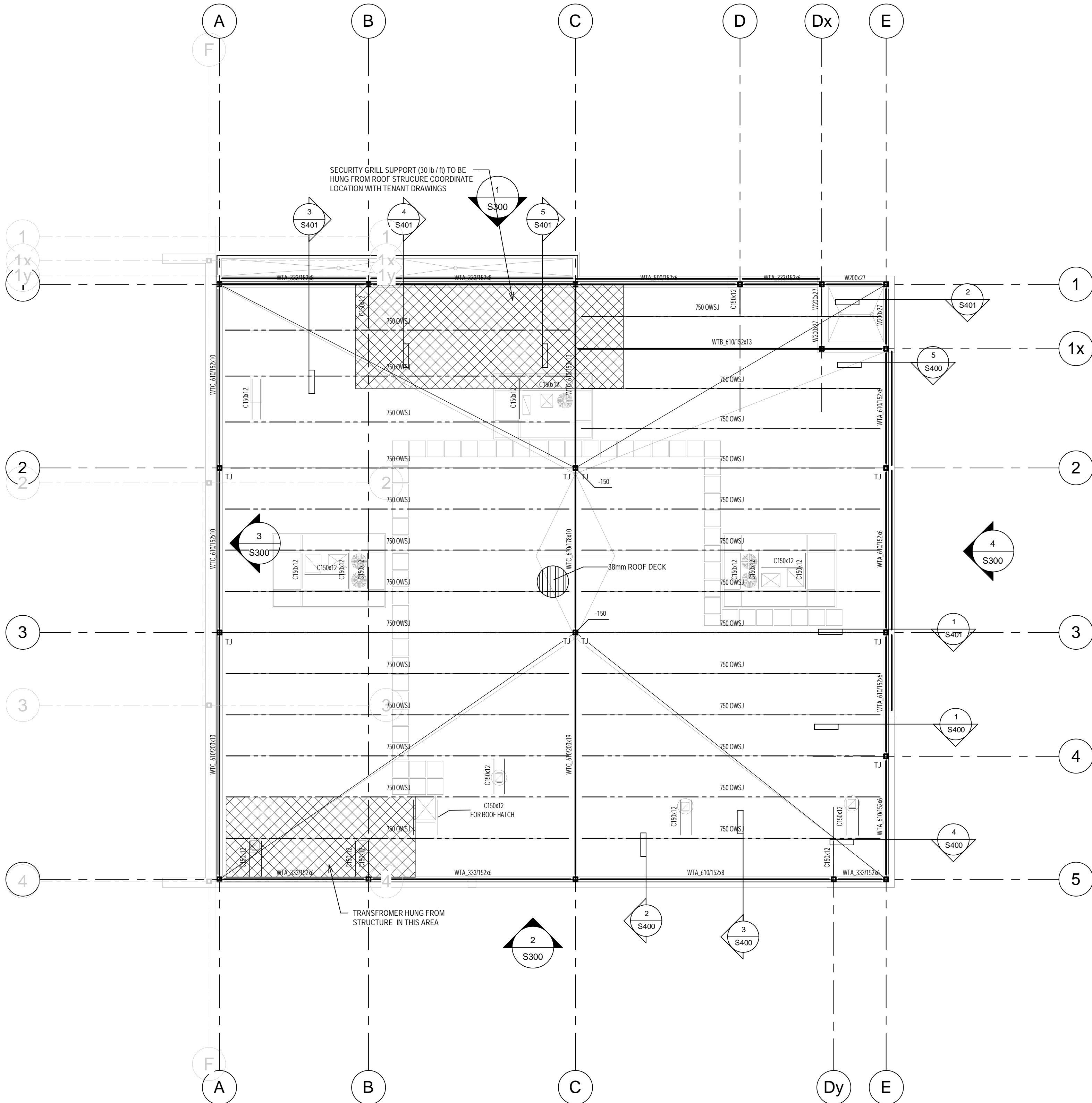
6 TOP OF TOWER

S200 1 : 100



1 GROUND FLOOR PLAN

S200 1 : 100



2 ROOF PLAN

S200 1 : 100

ORIGINAL FULL SIZE DRAWINGS ARE ARCH E1 - 30" x 42"

DO NOT SCALE DRAWINGS

ALL CONSTRUCTION MUST CONFORM TO ALL APPLICABLE LOCAL CODES, BY LAWS AND ALL REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION

THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL THE DRAWING IS LABELED ISSUED FOR CONSTRUCTION AND THE ENGINEERING SEAL IS SIGNED BY THE ENGINEER OF RECORD

VAN EE ENGINEERING IS NOT RESPONSIBLE FOR THE ACCURACY OF SURVEY, ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC. INFORMATION SHOWN ON THESE DRAWINGS. INFORMATION FOR OTHER DISCIPLINES IS SHOWN FOR REFERENCE ONLY. REFER TO THE APPROPRIATE DRAWINGS BEFORE PROCEEDING WITH ANY WORK.

THESE DRAWINGS ARE COPYRIGHT AND PROPERTY OF VAN EE ENGINEERING AND MAY NOT BE USED FOR ANY PURPOSES OTHER THAN FOR THE PROJECT FOR WHICH IT WAS PREPARED.

1 2023-11-23 PERMIT AND TENDER DVE

2 DATE DESCRIPTION BY

Steelcon

8100 Highway 27, Woodbridge, ON
416-798-3343 steelcongc.com

PROJECT

PROPOSED COMMERCIAL
DEVELOPMENT BUILDING J

419 NORWICH AVE
WOODSTOCK, ONTARIO

DRAWING

FOUNDATION AND ROOF PLAN

PROJECT NO.
SFJ0594801

PROJECT DATE
NOV/2023

DRAWN BY
DVE

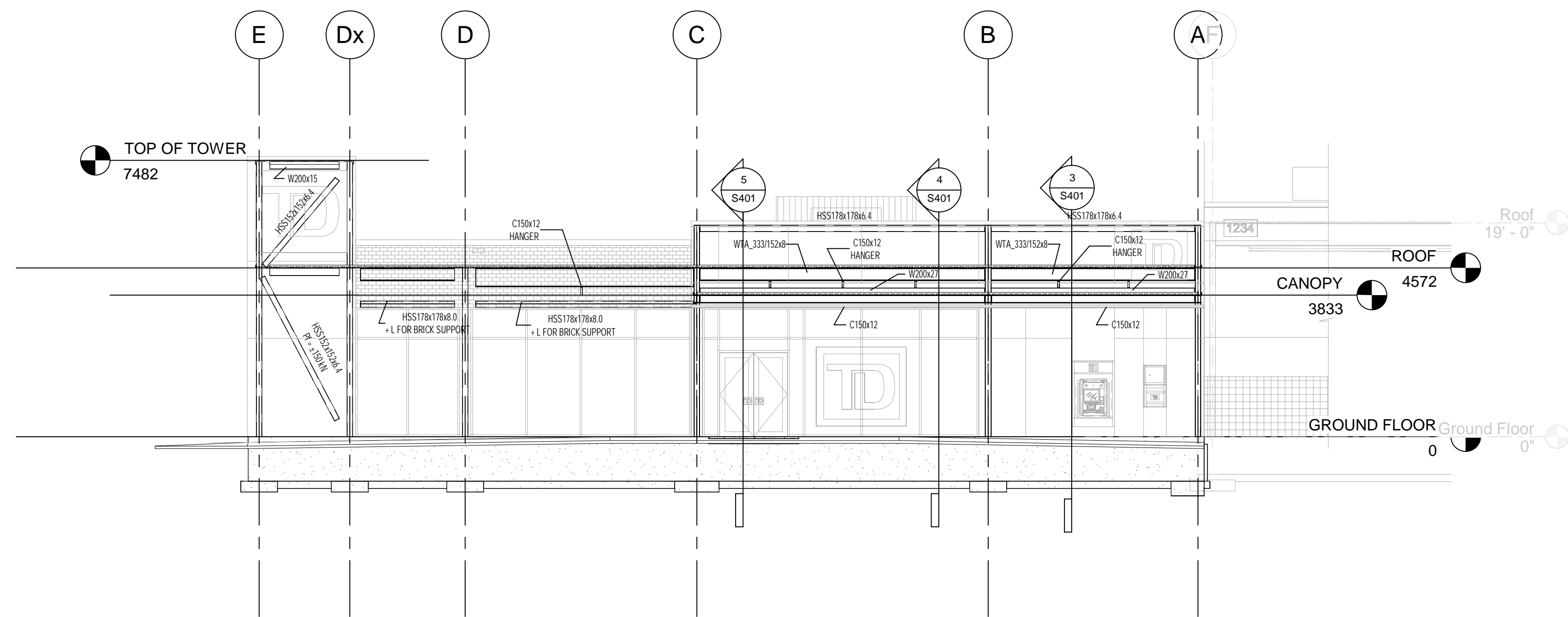
DESIGNED BY
DVE

SCALE
As indicated

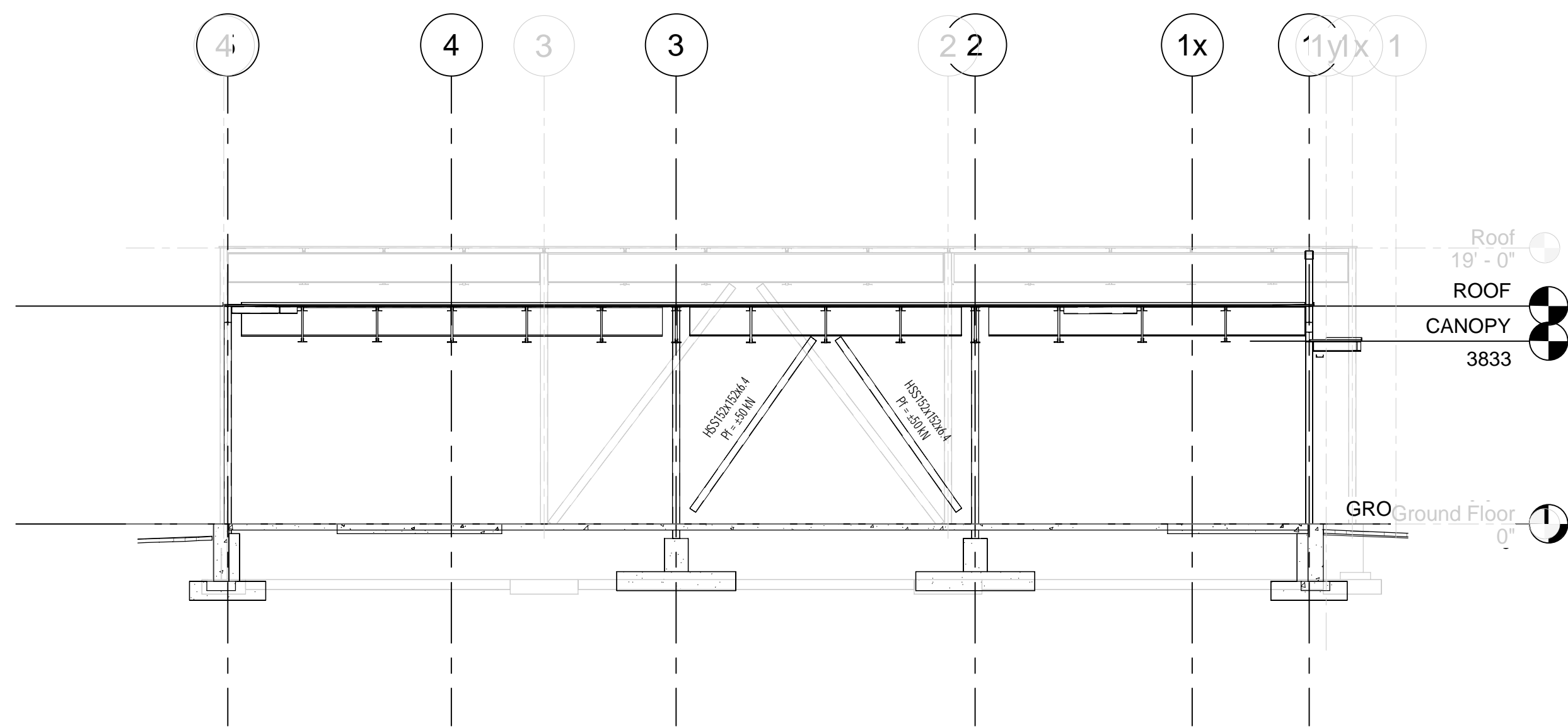
0 5 10 20 30 40 50 mm
0" 1/4" 1/2" 1" 2"

DRAWING NO. S200

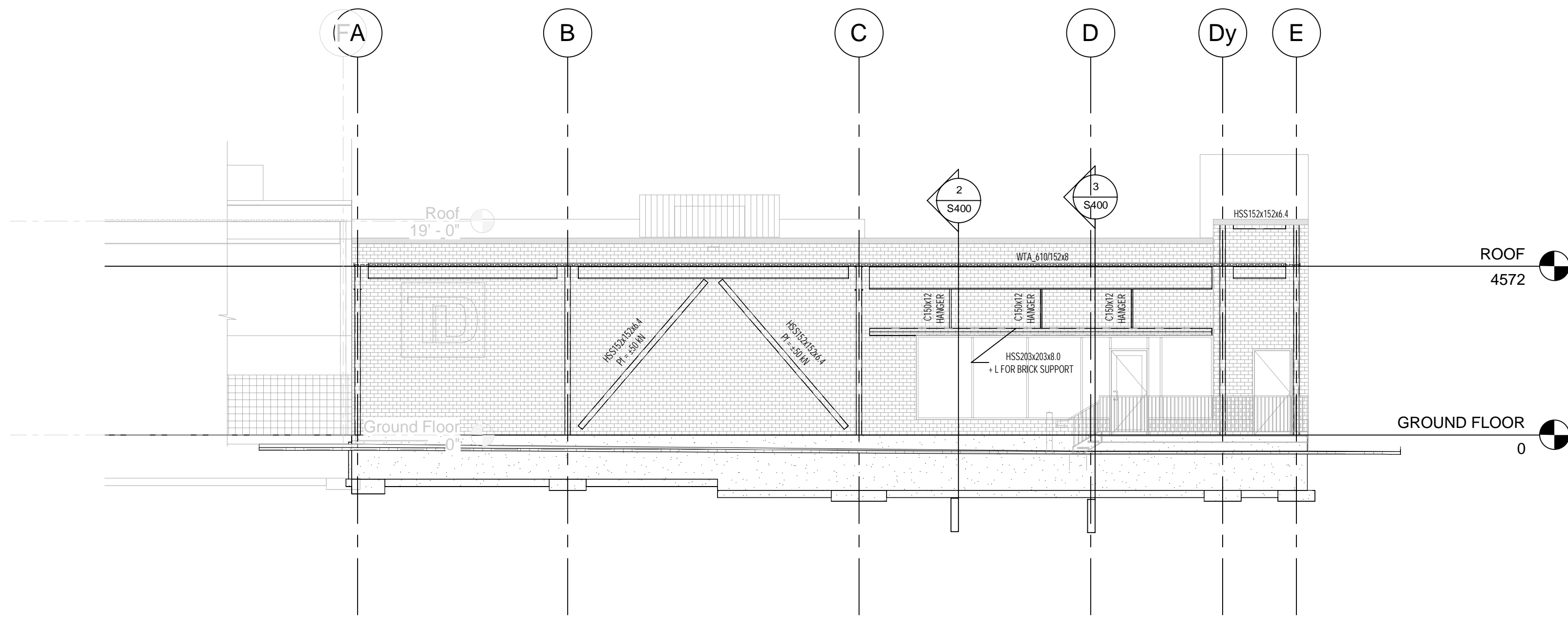




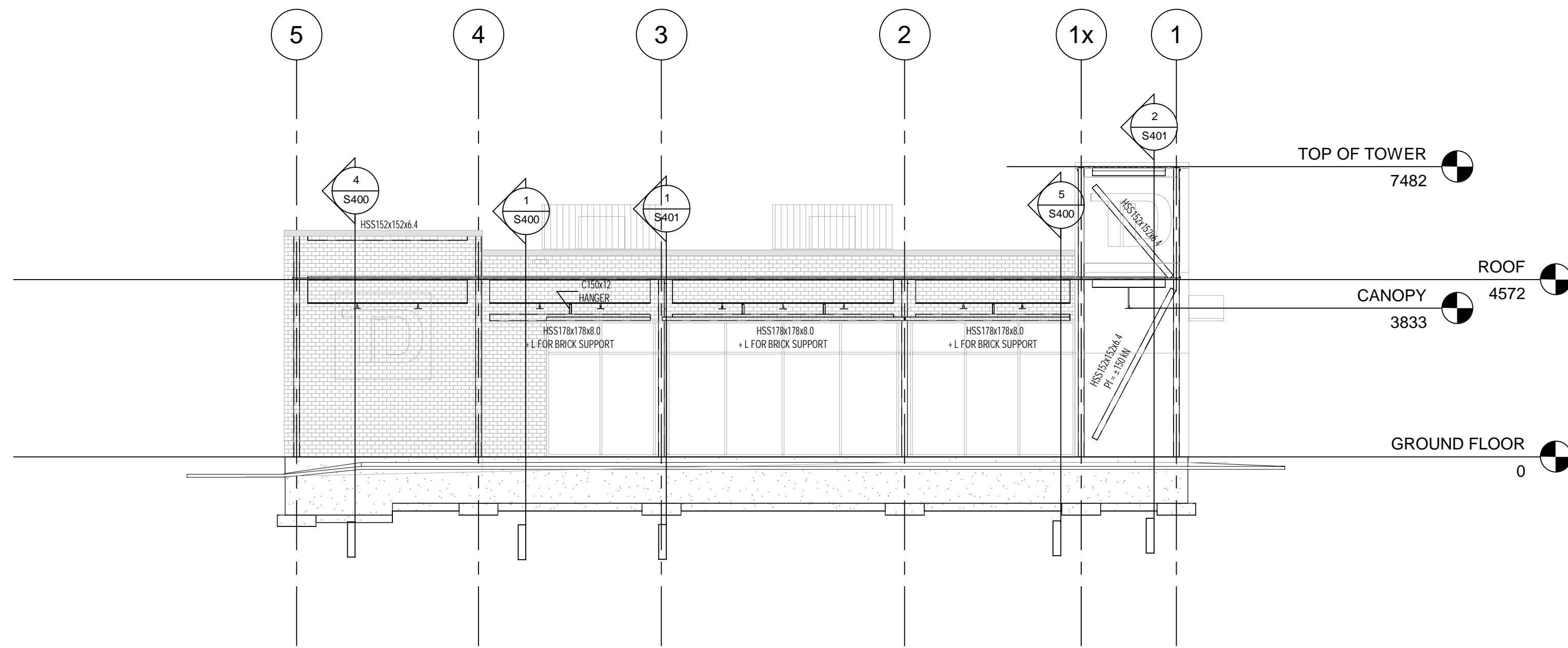
1 LINE 1 - NORTH ELEVATION
S300 1 : 100



3 LINE A - WEST ELEVATION
S300 1 : 100



2 LINE 5 - SOUTH ELEVATION
S300 1 : 100



4 LINE E - EAST ELEVATION
S300 1 : 100

ORIGINAL FULL SIZE DRAWINGS ARE ARCH E1 - 30" x 42"
DO NOT SCALE DRAWINGS
ALL CONSTRUCTION MUST CONFORM TO ALL APPLICABLE LOCAL CODES, BY LAWS AND ALL REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION
THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL THE DRAWING IS LABELED ISSUED FOR CONSTRUCTION AND THE ENGINEERING SEAL IS SIGNED BY THE ENGINEER OF RECORD
VAN EE ENGINEERING IS NOT RESPONSIBLE FOR THE ACCURACY OF SURVEY, ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC. INFORMATION SHOWN ON THESE DRAWINGS. INFORMATION FOR OTHER DISCIPLINES IS SHOWN FOR REFERENCE ONLY. REFER TO THE APPROPRIATE DRAWINGS BEFORE PROCEEDING WITH ANY WORK.
THESE DRAWINGS ARE COPYRIGHT AND PROPERTY OF VAN EE ENGINEERING AND MAY NOT BE USED FOR ANY PURPOSES OTHER THAN FOR THE PROJECT FOR WHICH IT WAS PREPARED.

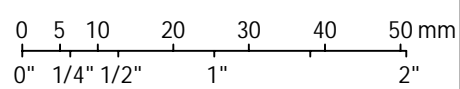
1	2023-11-23	PERMIT AND TENDER	DVE
#	DATE	DESCRIPTION	BY



PROJECT
PROPOSED COMMERCIAL
DEVELOPMENT BUILDING J
419 NORWICH AVE
WOODSTOCK, ONTARIO

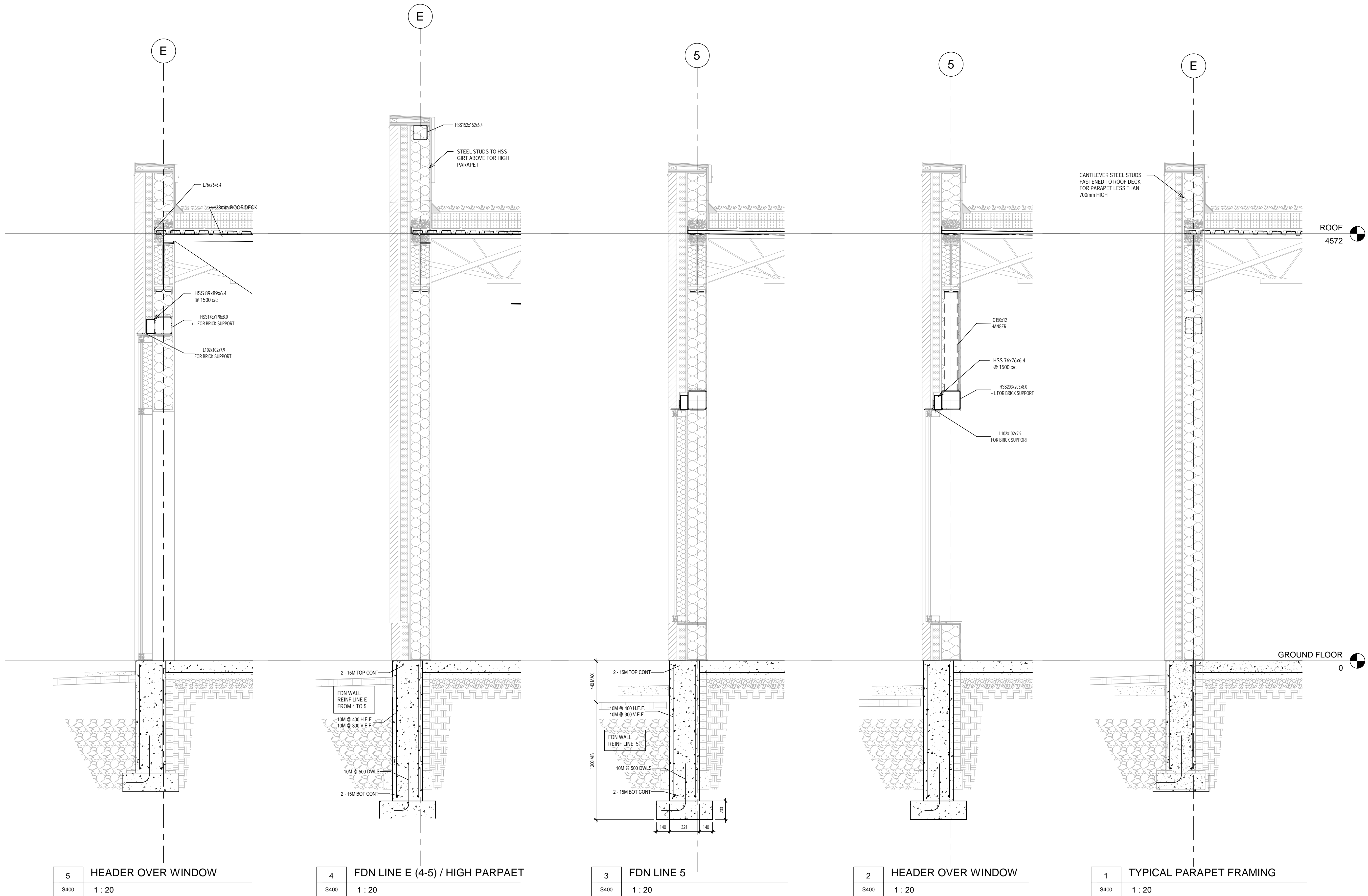
DRAWING
ELEVATIONS

PROJECT NO.
SFJ0594801
PROJECT DATE
NOV/2023
DRAWN BY
DVE
DESIGNED BY
DVE
SCALE
1 : 100



DRAWING NO. S300

ORIGINAL FULL SIZE DRAWINGS ARE ARCH E1 - 30" x 42"
DO NOT SCALE DRAWINGS
ALL CONSTRUCTION MUST CONFORM TO ALL APPLICABLE
LOCAL CODES, BY LAWS AND ALL REQUIREMENTS OF THE
AUTHORITIES HAVING JURISDICTION
THESE DRAWINGS ARE NOT TO BE USED FOR
CONSTRUCTION UNTIL THE DRAWING IS LABELED ISSUED
FOR CONSTRUCTION AND THE ENGINEERING SEAL IS
SIGNED BY THE ENGINEER OF RECORD
VAN EE ENGINEERING IS NOT RESPONSIBLE FOR THE
ACCURACY OF SURVEY, ARCHITECTURAL, MECHANICAL,
ELECTRICAL, ETC. INFORMATION SHOWN ON THESE
DRAWINGS. INFORMATION FOR OTHER DISCIPLINES IS
SHOWN FOR REFERENCE ONLY. REFER TO THE
APPROPRIATE DRAWINGS BEFORE PROCEEDING WITH ANY
WORK.
THESE DRAWINGS ARE COPYRIGHT AND PROPERTY OF
VAN EE ENGINEERING AND MAY NOT BE USED FOR ANY
PURPOSES OTHER THAN FOR THE PROJECT FOR WHICH IT
WAS PREPARED.



1	2023-11-23	PERMIT AND TENDER	DVE
#	DATE	DESCRIPTION	BY



8100 Highway 27, Woodbridge, ON
416-798-3343 steelconqpc.com

PROJECT
PROPOSED COMMERCIAL
DEVELOPMENT BUILDING J
419 NORWICH AVE
WOODSTOCK, ONTARIO

DRAWING
WALL SECTIONS

PROJECT NO. SFJ0594B01	
PROJECT DATE NOV/2023	
DRAWN BY DVE	
DESIGNED BY DVE	
SCALE 1 : 20	
DRAWING NO. S400	

THESE DRAWINGS ARE COPYRIGHT AND PROPERTY OF
VAN EE ENGINEERING AND MAY NOT BE USED FOR ANY
PURPOSES OTHER THAN FOR THE PROJECT FOR WHICH IT
WAS PREPARED.

