

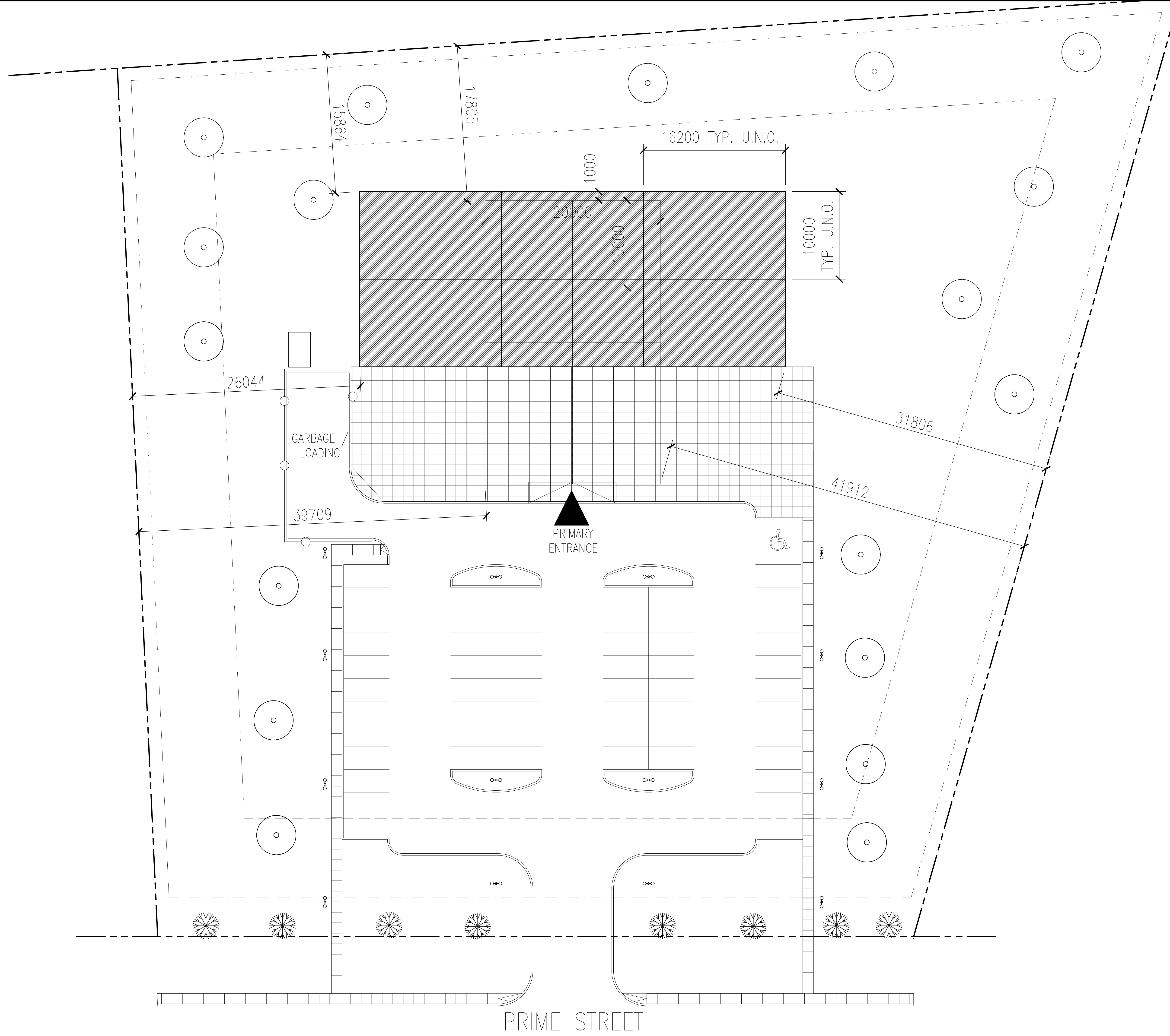


## COMMERCIAL DESIGN

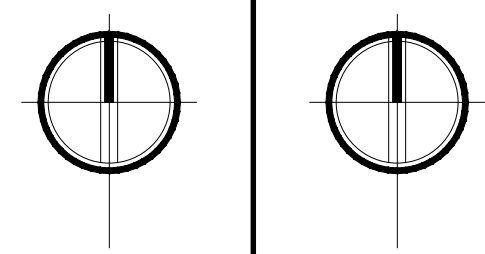
DESIGNED BY: **RAISSA SIQUEIRA**  
**YASH AGRAWAL**

INSTRUCTOR: VITO PACICCI  
ARCH29969 ARCHITECTURAL STUDIO 3

- A200 SITE PLAN
- A201 GROUND FLOOR
- A202 SECOND FLOOR
- A300 ELEVATIONS
- S100 SHALLOW FOUNDATION
- S101 DEEP FOUNDATION
- S102 GROUND FLOOR SLAB
- S103 SECOND FLOOR FRAMING
- S104 ROOF FRAMING
- A400 SECTIONS
- A500 WALL SECTIONS
- A501 WALL SECTIONS
- A100 DETAILS
- A101 WALL SCHEDULE



CONSTRUCTION NORTH TRUE NORTH



- GENERAL NOTES
1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
  2. DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS.
  3. USE ONLY LATEST REVISED DRAWINGS.
  4. REPORT ANY ERRORS OR OMISSIONS TO THE ARCHITECT OR DESIGN ENGINEER AS APPLICABLE.
  5. THE DRAWINGS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON THE COMPLETION OF THE PROJECT. ANY UNAUTHORIZED USE IS PROHIBITED.

DATE: / /

**Sheridan  
|Architecture**  
4180 RUE OF YORK, BOULEVARD  
MIRAMICHI, ON L8B 0G6

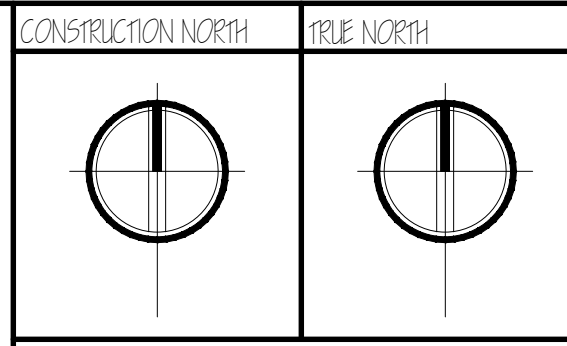


FLOOR PLANS

OWNER: RANSA M. SOLEIRA YASHI AGRAWAL  
DESIGNER: VITO PACICCI

SITE PLAN

SCALE: 1:200  
REVISION: 001  
DATE: 11/17/2020  
SHEET NUMBER: A200



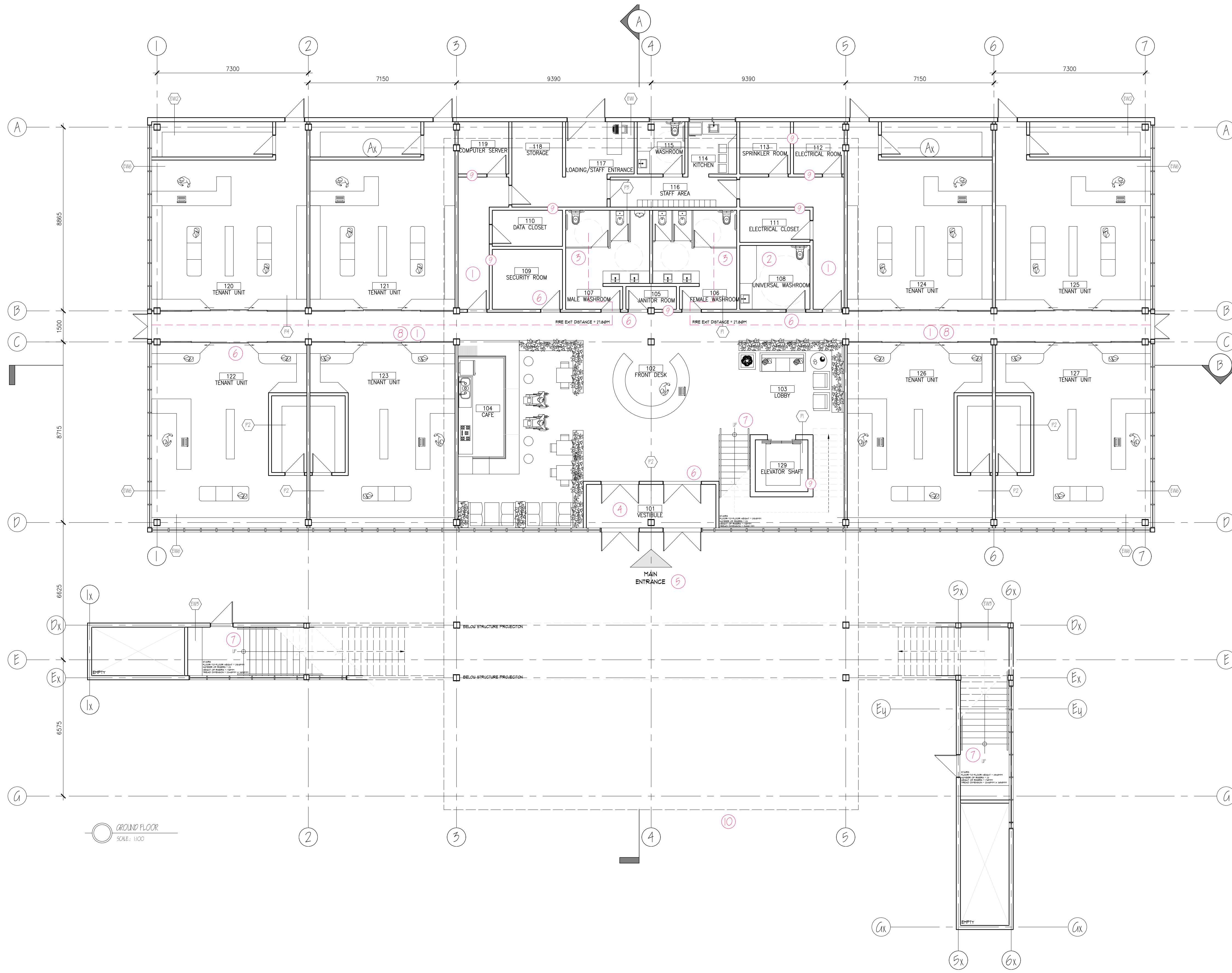
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**OBC MATRIX**

MAJOR OCCUPANCY CLASSIFICATION:  
 FIRST FLOOR - E - MERCANTILE OCCUPANCIES  
 SECOND FLOOR - D - BUSINESS AND PERSONAL SERVICES OCCUPANCIES

OCCUPANT LOAD:  
 1. 50 PEOPLE PER FLOOR (BY DESIGN)

- BARRIER-FREE DESIGN (3.8)**
1. PATH OF TRAVEL (3.8.1.3)  
 UNOBSTRUCTED WIDTH OF 1100MM FOR WHEELCHAIRS PROVIDED IN DESIGN + 1350MM
  2. UNIVERSAL WASHROOMS (3.8.2.3)  
 MINIMUM # U.W. PER BUILDING (0 TO 3 STOREYS) = 1 U.W. PROVIDED IN DESIGN = 2
  3. NUMBER OF WATERCLOSETS (3.1.4.1 AND 3.1.4.8)  
 FOR MERCANTILE/BUSINESS OCCUPANCIES: 35 PER SEX, 3 WATERCLOSETS PER SEX PROVIDED IN DESIGN + 3 PER SEX + 1 U.W. = 4
  4. VESTIBULES (3.8.3.3 (1))  
 DISTANCE BETWEEN TWO DOORS IN SERIES OF AT LEAST 1200 MM PLUS THE WIDTH OF ANY DOOR THAT SUNGSS INTO THE SPACE IN THE PATH OF TRAVEL FROM ONE DOOR TO ANOTHER. PROVIDED IN DESIGN = 2100MM
  5. PEDESTRIAN ENTRANCES (3.8.1.2)  
 MINIMUM NUMBER REQUIRED TO BE BARRIER-FREE = 1 TO 3. PROVIDED IN DESIGN = 1
  6. DOORWAYS AND DOORS (3.8.3.3 (1))  
 DOORS SHALL HAVE CLEAR WIDTH OF NOT LESS THAN 960MM PROVIDED IN DESIGN = 960MM
  7. STAIRS  
 1.1. NUMBER AND LOCATION OF EXITS (3.4.2.1) 2. REQUIRED PROVIDED IN DESIGN + 2 (MEANS OF EGRESS)  
 1.2. MAXIMUM TRAVEL DISTANCE (3.4.2.2) 45M (SPRINKLERED) PROVIDED IN DESIGN = 21.80M, 45M AND 42M
  8. EXIT WIDTH & CORRIDORS (3.4.3.1)  
 8.1. EXIT STAIRS - 1100MM MINIMUM PROVIDED IN DESIGN = 1340MM  
 8.2. CORRIDORS = 1100MM MINIMUM PROVIDED IN DESIGN = 1350MM AND 1500MM
  9. SEPARATION OF SUITES  
 9.1. NO FIRE SEPARATION IS REQUIRED BETWEEN THE PUBLIC CORRIDOR AND THE REMAINDER OF A STOREY SINCE TRAVEL DISTANCE TO AN EXIT IS LESS THAN 45M (3.3.1.4)  
 9.2. 3.3.1.4 (1) ONE HOUR FIRE RATING FOR WALLS, 3.3.1.20 FOR JANITORS, 3.3.3.1 FIRE SEPARATION FOR ELEVATOR, 3.6.2.1 FIRE SEPARATIONS AROUND SERVICE ROOMS. IN GENERAL THESE WALLS HAVE A 1 HOUR FIRE RATED.
  10. 3.3.2.6a GROUP D, UP TO 2 STOREYS, SPRINKLERED. IT IS NOT MORE THAN 2 STOREYS IN BUILDING HEIGHT (2 400 M<sup>2</sup> IF 2 STOREYS IN BUILDING HEIGHT, 3.3.2.6b GROUP E, UP TO 2 STOREYS, SPRINKLERED. IT IS NOT MORE THAN 2 STOREYS IN BUILDING HEIGHT, 1800 M<sup>2</sup> IF 2 STOREYS IN BUILDING HEIGHT.



GROUND FLOOR  
 SCALE: 1:100

**Room Schedule - Ground Floor**

ROOMNAME	ROOMNO
VESTIBULE	101
FRONT DESK	102
LOBBY	103
CAFE	104
JANITOR ROOM	105
FEMALE WASHROOM	106
MALE WASHROOM	107
UNIVERSAL WASHROOM	108
SECURITY ROOM	109
DATA CLOSET	110
ELECTRICAL CLOSET	111
ELECTRICAL ROOM	112
SPRINKLER ROOM	113
KITCHEN	114
WASHROOM	115
STAFF AREA	116
LOADING/STAFF ENTRANCE	117
STORAGE	118
COMPUTER SERVER	119
TENANT UNIT	120
TENANT UNIT	121
TENANT UNIT	122
TENANT UNIT	123
TENANT UNIT	124
TENANT UNIT	125
TENANT UNIT	126
TENANT UNIT	127
ELEVATOR SHAFT	128

DATE: / / YEAR: /

PROJECT: Sheridan Architecture  
 4180 RUE OF YORK BOULEVARD  
 MISSISSAUGA, ON L5B 0G8

COMPANY: YR

PROJECT NAME: FLOOR PLANS

OWNER: RANSA M. SOLEIRA  
 YASH AGRAWAL

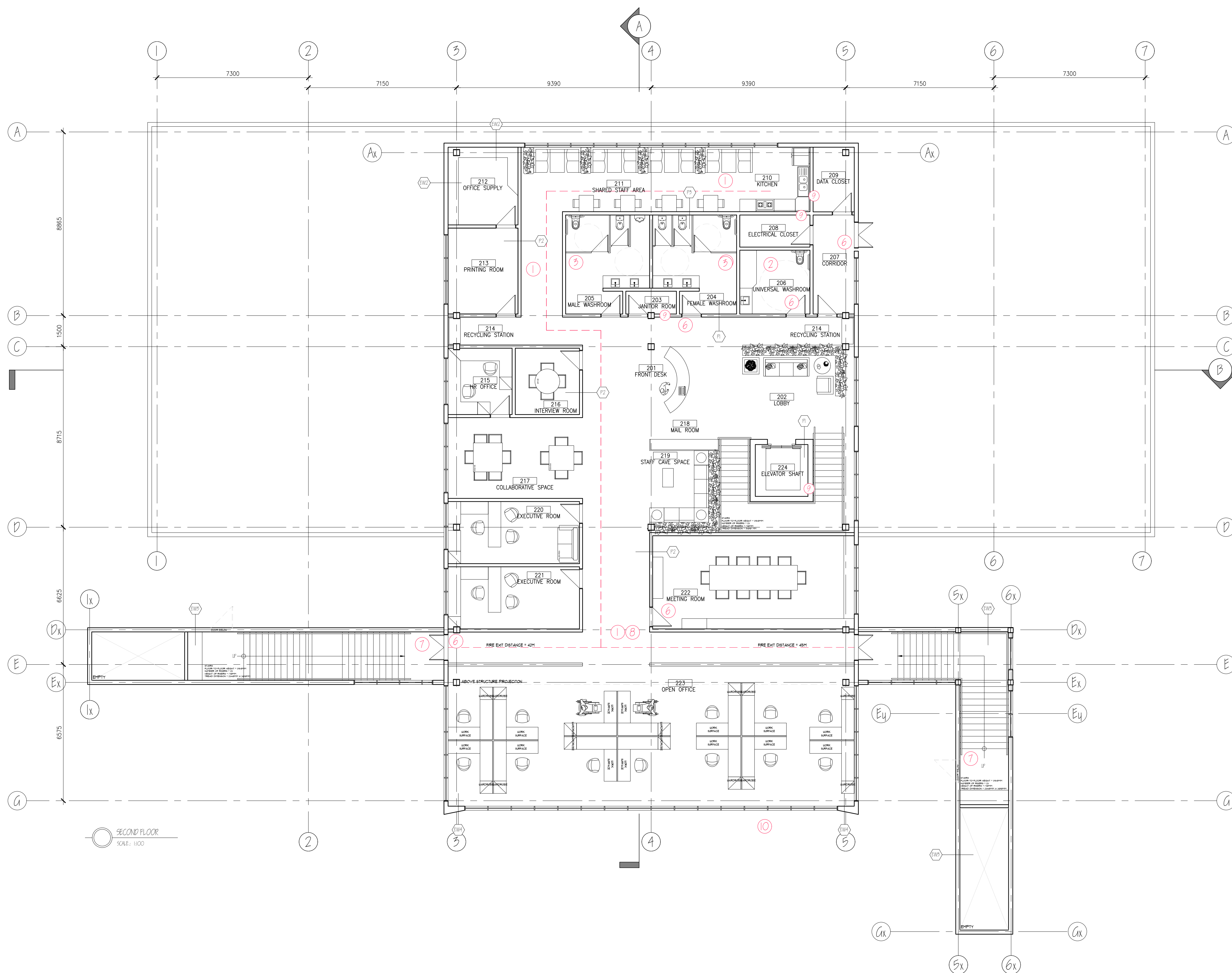
DESIGNER: VITO PACCIO

DATE: 11/17/2020

SCALE: 1:100

REVISION: 001

REF: AZOI

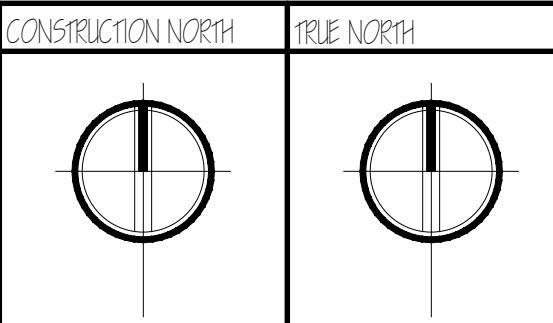


SECOND FLOOR  
SCALE: 1/100

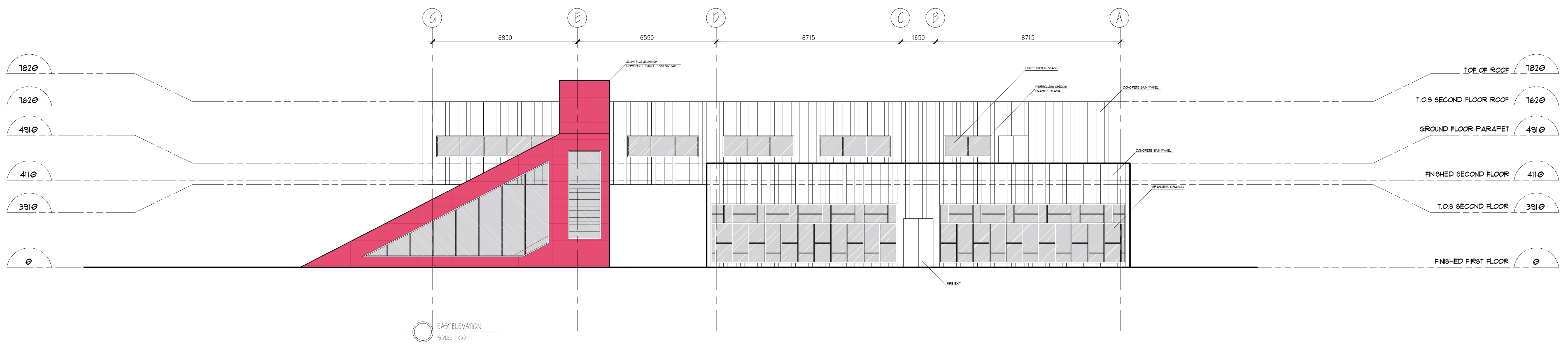
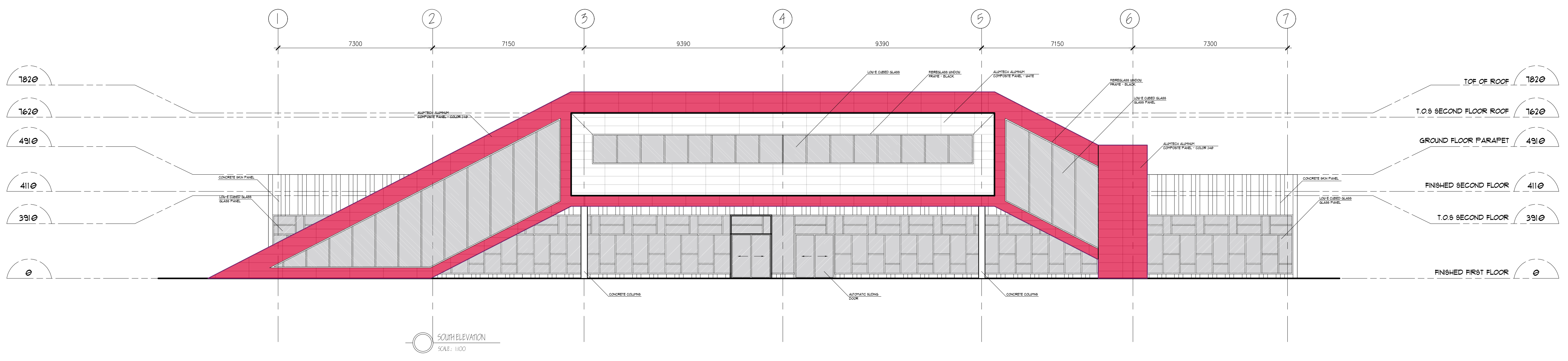
### Room Schedule - Second Floor


ROOMNAME	ROOMNO
FRONT DESK	201
LOBBY	202
JANITOR ROOM	203
FEMALE WASHROOM	204
MALE WASHROOM	205
UNIVERSAL WASHROOM	206
CORRIDOR	207
ELECTRICAL CLOSET	208
DATA CLOSET	209
KITCHEN	210
SHARED STAFF AREA	211
OFFICE SUPPLY	212
PRINTING ROOM	213
RECYCLING STATION	214
HR OFFICE	215
INTERVIEW ROOM	216
COLLABORATIVE SPACE	217
MAIL ROOM	218
STAFF CAVE SPACE	219
EXECUTIVE ROOM	220
EXECUTIVE ROOM	221
MEETING ROOM	222
OPEN OFFICE	223
ELEVATOR SHAFT	224

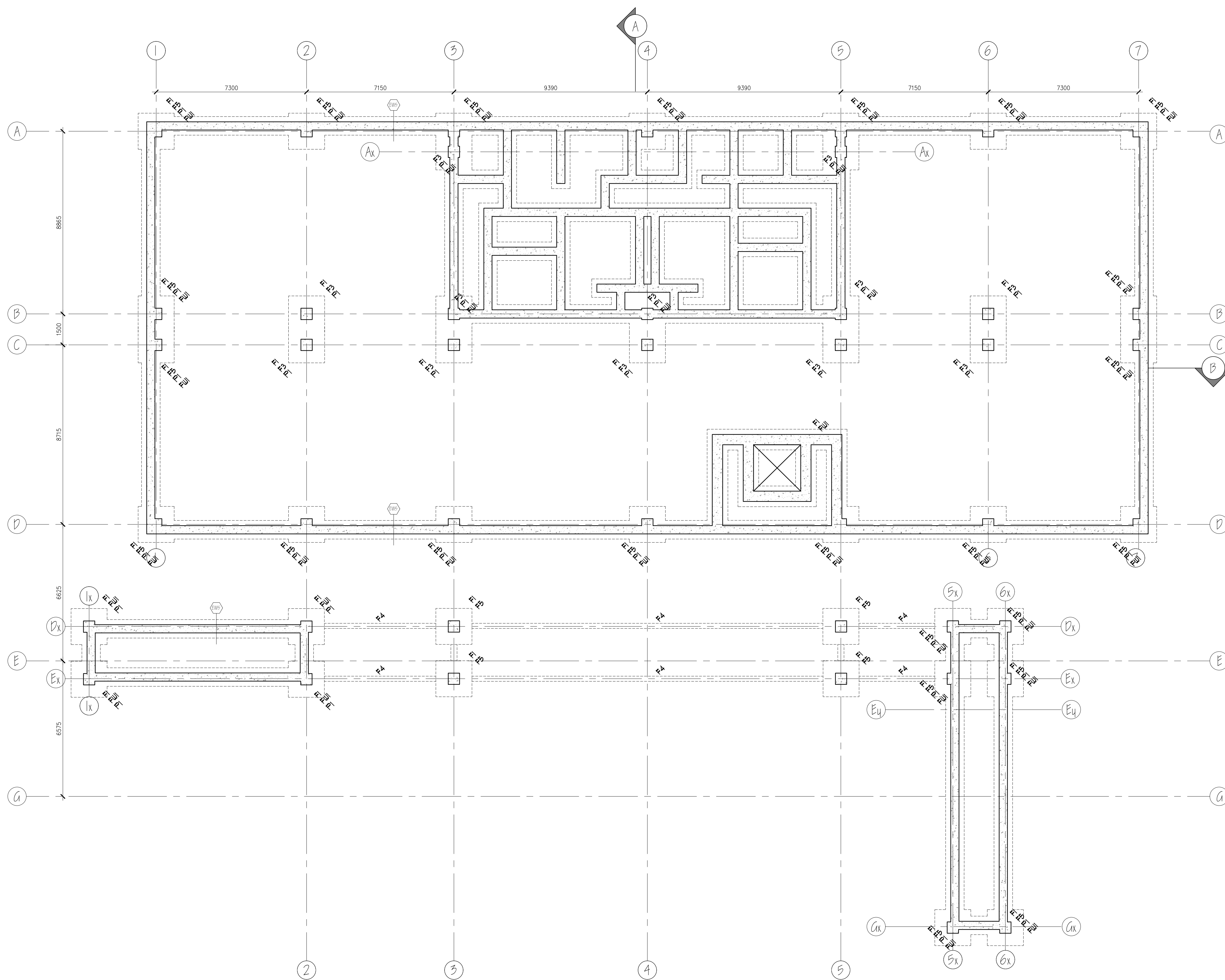
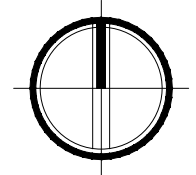
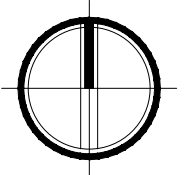
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PROJECT NAME REFERENCE: FLOOR PLANS																																																					
DRAWN BY: RANSSA M. SOLEIRA YASHI AGRWAL	CHECK BY: VITO PACCIO																																																				
SHEET TITLE: SECOND FLOOR																																																					
DATE: 11/00	REVISION: 001	DATE: 11/17/2020																																																			
		A202																																																			



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DATE:	REV:	DESCRIPTION:
<p><b>Sheridan Architecture</b>          4180 DUKE OF YORK BOULEVARD          MISSISSAUGA, ON L5B 0G6</p>		
<p>COMPANY NAME AND LOGO:  </p>		
<p>PROJECT NAME AND LOCATION:          FLOOR PLANS</p>		
OWNER: RANSA M. SOLEIRA YASHI AGRAWAL	DESIGNER: VITO PACCO	
<p>PROJECT TITLE:          ELEVATIONS</p>		
SCALE: 1/100	DATE: 11/17/2020	REVISION: A300

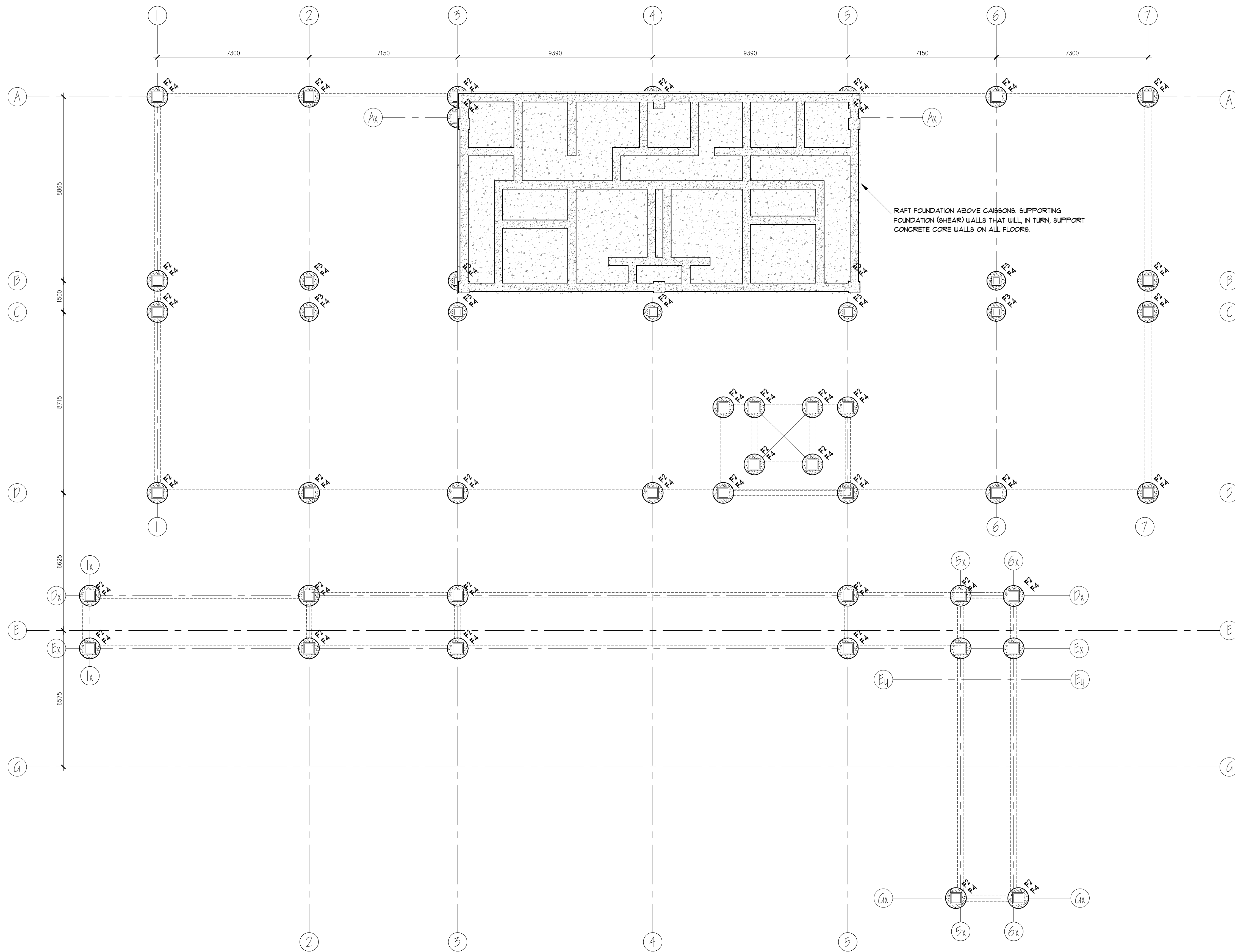
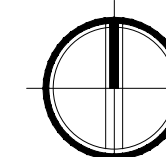
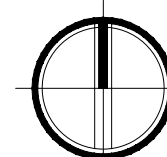


**FOOTING SCHEDULE**  
 F1 - STRIP FOOTING: 300 X LENGTH X 300  
 F3 - PAD FOOTINGS: 1900 X 1900 X 300  
 UNDER INTERIOR COLUMNS 2 STOREYS  
 F4 - GRADE BEAM  
 1400 DEEP X 300 WIDE  
 AROUND BUILDING PERIMETER  
 F5 - PAD FOOTINGS: 1750 X 1750 X 350  
 BELOW TYPICAL COLUMNS PERIMETER

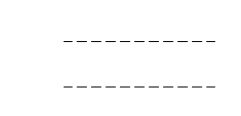
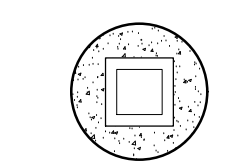
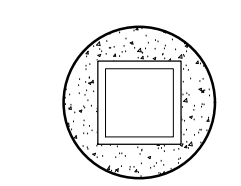
**PIER SCHEDULE:**  
 P1 - PIER: 550 X 550 X DEPTH  
 TYPICAL FOR ALL COLUMNS

**FOUNDATION WALL SCHEDULE**  
 FW1 - FOUNDATION WALL: 400MM THICK  
 UNDER ALL PERIMETER WALLS  
 (400 POURED CONC. WALL UNDER  
 CONC. BLOCK WALL)

<p><b>Sheridan  Architecture</b></p> <p>4180 RUE OF YORK, BOUTEVARD MONTREAL, QUEBEC H3T 2G6</p>	
<p><b>YR</b></p>	
<p>STRUCTURAL PLANS</p>	
<p>OWNER: RANSA M. SOLEIRA YASH AGRAWAL</p>	<p>DESIGNER: VITO PACCIO</p>
<p>PROJECT TITLE: SHALLOW FOUNDATION</p>	
<p>DATE: 11/00</p>	<p>SCALE: 5/00</p>
<p>REVISION: 001</p>	<p>DATE: 11/17/2020</p>



RAFT FOUNDATION ABOVE CAISSONS. SUPPORTING FOUNDATION (SHEAR) WALLS THAT WILL, IN TURN, SUPPORT CONCRETE CORE WALLS ON ALL FLOORS.



- DEEP FOUNDATION FOOTING SCHEDULE**
- F2 - CAISSON WITH A PIER**  
450 X 450 STEEL BASEPLATE  
550 X 550 PIER  
1000 DIAMETER CAISSON  
BELOW PERIMETER COLUMNS
  - F3 - CAISSON WITH PIER**  
300 X 300 STEEL BASEPLATE  
450 X 450 PIER  
900 DIAMETER CAISSON  
BELOW INTERIOR COLUMNS
  - F4 - GRADE BEAM**  
1400 DEEP X 300 WIDE  
AROUND BUILDING PERIMETER

NO.	REV.	DESCRIPTION
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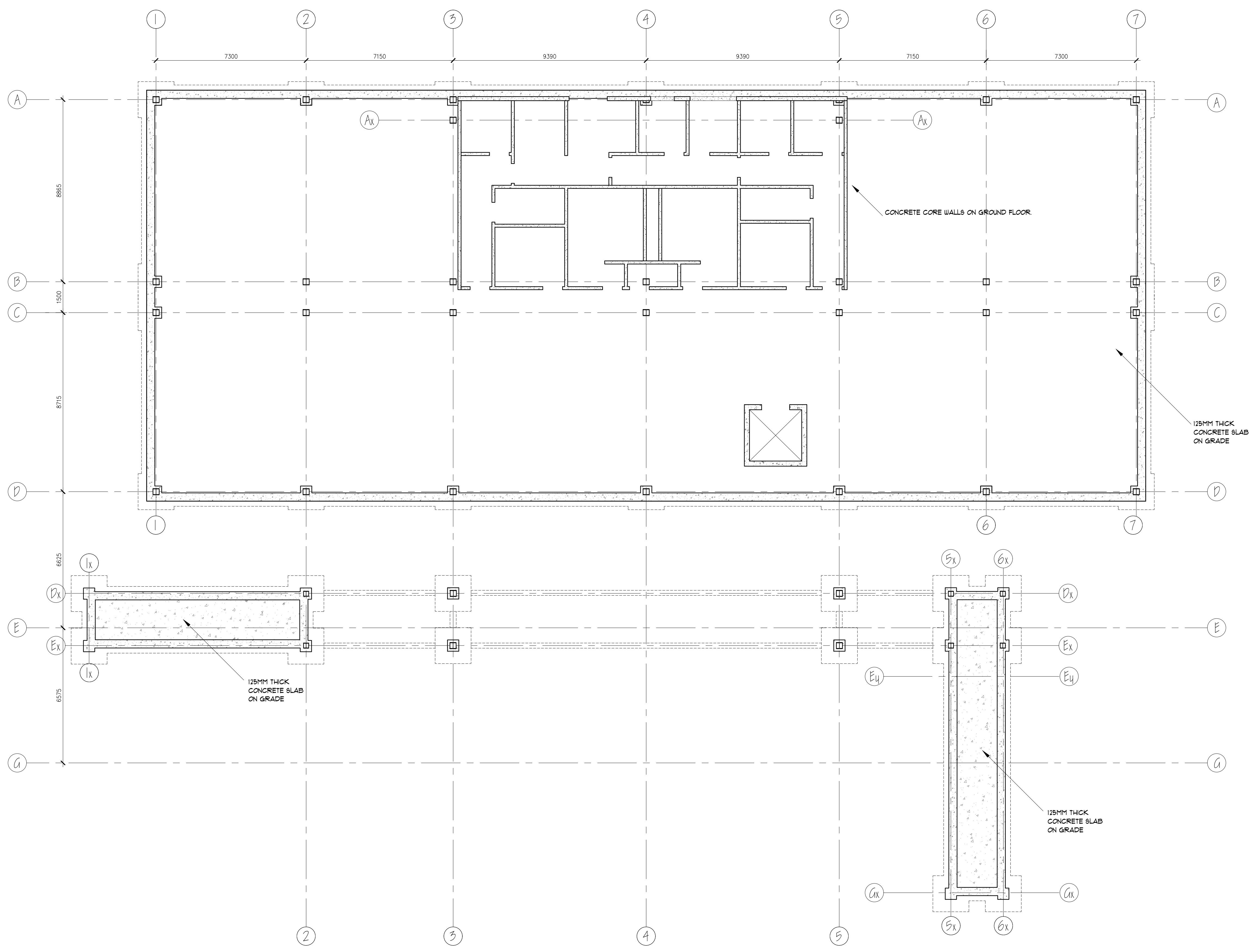
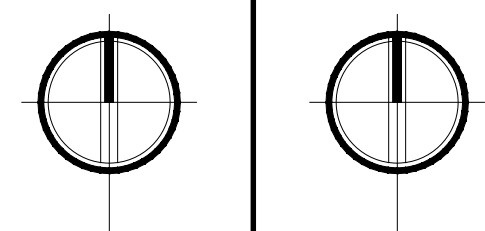
**Sheridan  
Architecture**  
4180 RUE OF YORK, BOULEVARD  
MONTREAL, QUEBEC H3T 2G6

**YR**  
PROJECT NAME AND LOCATION  
STRUCTURAL PLANS

DESIGNED BY: RANSSA M. SOLEIRA  
CHECKED BY: YASHI AGRAWAL  
DRAWN BY: VITO PACCO

TITLE: DEEP FOUNDATION

DATE: 11/00	SCALE: 1:100	PROJECT NUMBER: 5101
REVISION: 001	DATE: 11/17/2020	



NO.	REV.	DESCRIPTION
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**Sheridan  
Architecture**  
4180 RUE OF YORK BOULEVARD  
MONTREAL, QUEBEC H3T 1S6



PROJECT NAME AND LOCATION  
STRUCTURAL PLANS

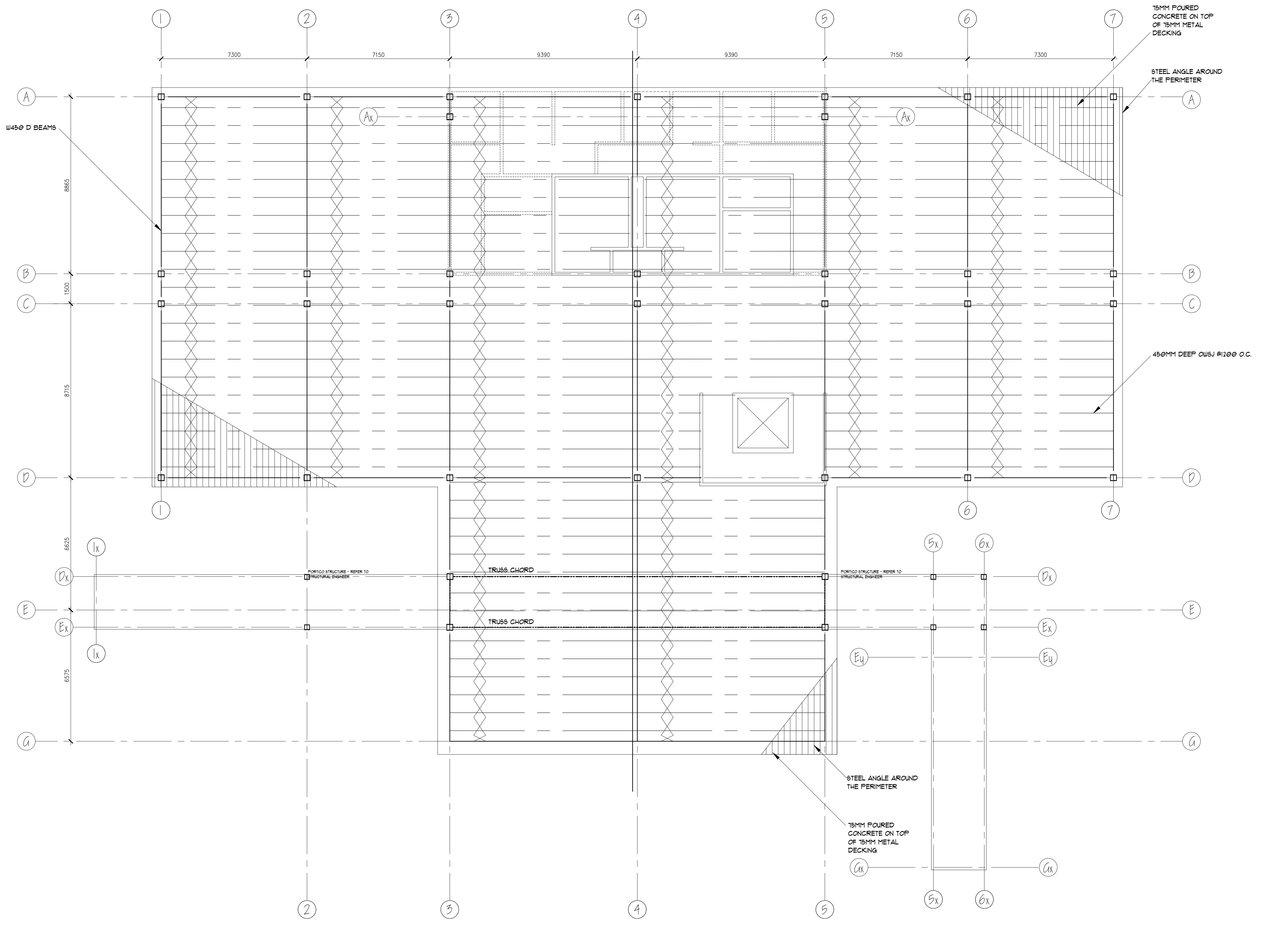
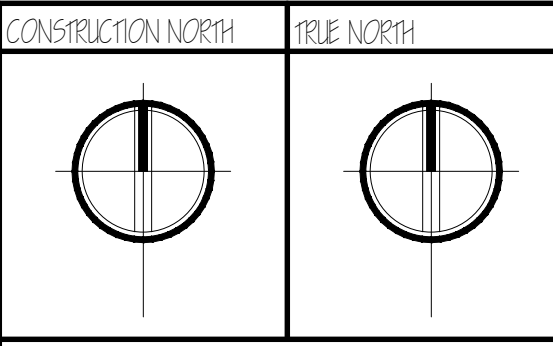
OWNER:  
RANSA M. SOLEIRA  
YASHI AGRAWAL


DESIGNER:  
VITO PACIGLI

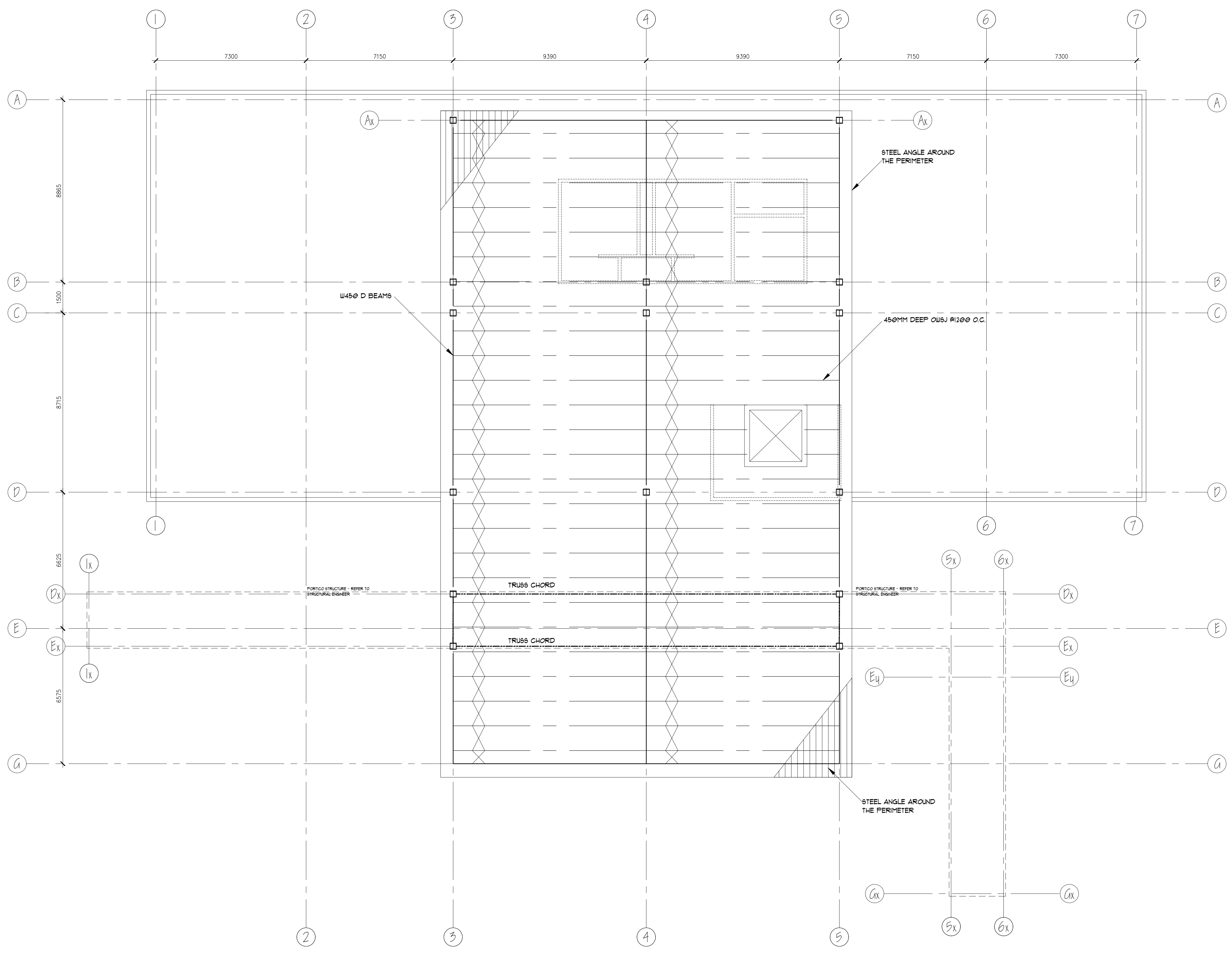
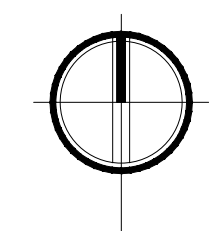
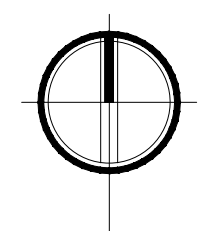
PROJECT TITLE  
GROUND FLOOR SLAB

SCALE 1:100	DATE 11/17/2020	NO. FILE 5102
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NO.	REV.	DESCRIPTION
ASSOCIATION <b>Sheridan Architecture</b> <small>4180 RUE OF YORK, BOUTEVILLE          MESSASILLA, ON L9B 0G8</small>		
COMPANY NAME AND LOGO 		
PROJECT NAME AND LOCATION STRUCTURAL PLANS		
OWNER:	DESIGN BY:	
RANSA M. SOLERA YASHI AGRAWAL	VITO PACCO	
SHEET TITLE SECOND FLOOR FRAMING		
SCALE:	DATE:	
1:100	11/17/2020	
REVISION:		
001		5103



NO. REV. DESCRIPTION

REVISIONS

**Sheridan Architecture**  
 4180 RUE OF YORK BOULEVARD  
 MESSAVALA, ON L8P 0G8



PROJECT NAME AND LOCATION

STRUCTURAL PLANS

OWNER: RANSSA M. SOLEIRA  
 YASHI AGRAWAL

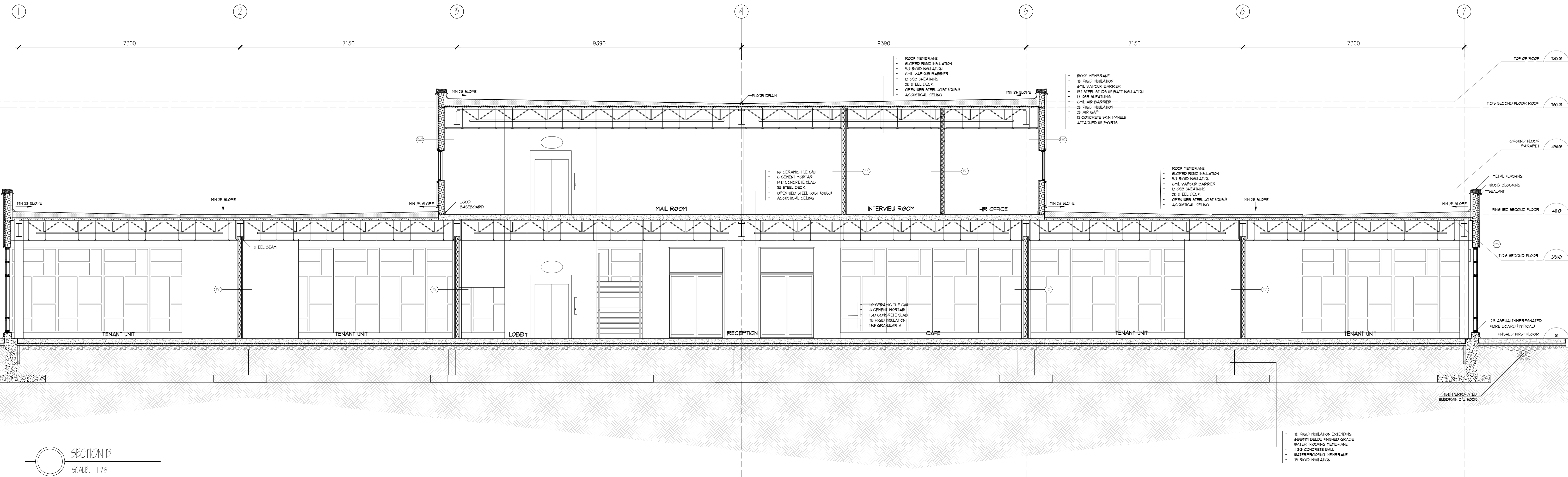
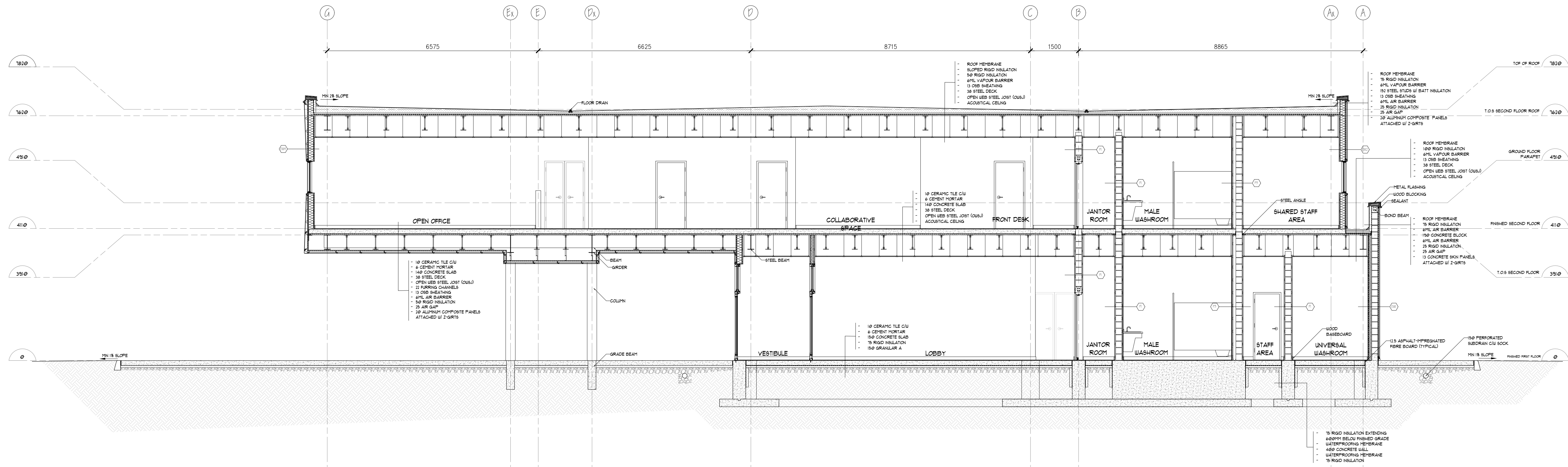
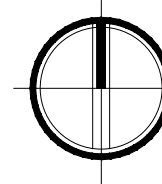
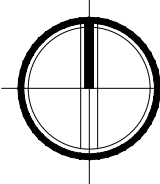
DESIGNER: VITO PACIGGI

PROJECT TITLE

ROOF FRAMING

DATE: 11/00  
 REVISION: 001

DATE: 11/17/2020  
 SHEET NUMBER: 5104



DATE:	REV:	DESCRIPTION:
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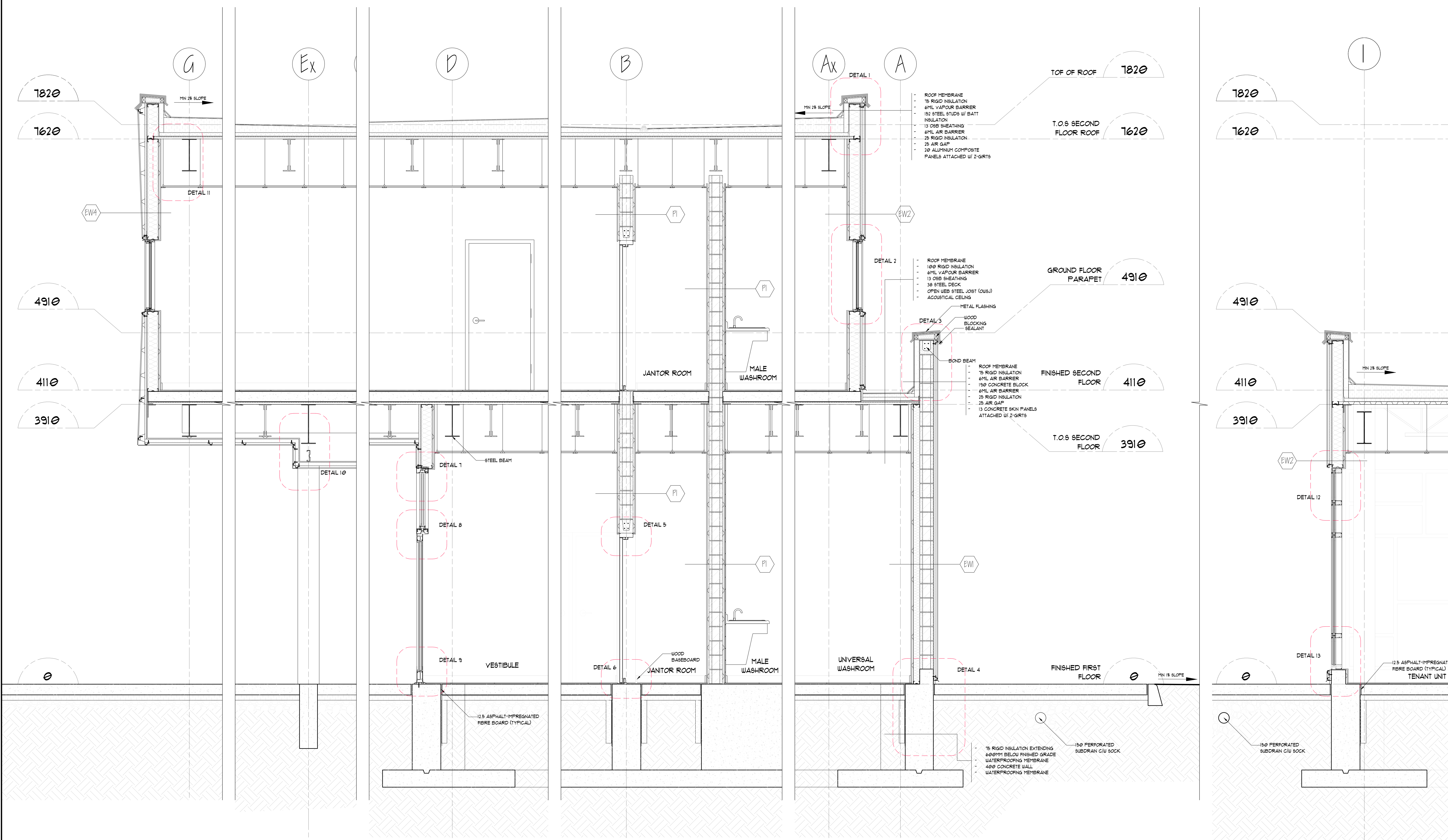
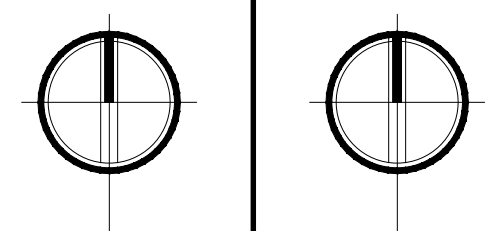
**Sheridan Architecture**  
4180 RUE OF YORK, BOULEVARD  
MERRIDALE, ON L5B 0G8



PROJECT NAME: REF: 10000000  
SECTION:  
OWNER:  
DESIGNER:  
ARCHITECT:  
DATE:

SECTION A AND B

DATE:	SCALE:	REF: 10000000
1:75		
REVISION:	DATE:	NO.:
001	11/17/2020	A400



WALL SECTION (A-1)  
SCALE: 1/25

WALL SECTION (A-2)  
SCALE: 1/25

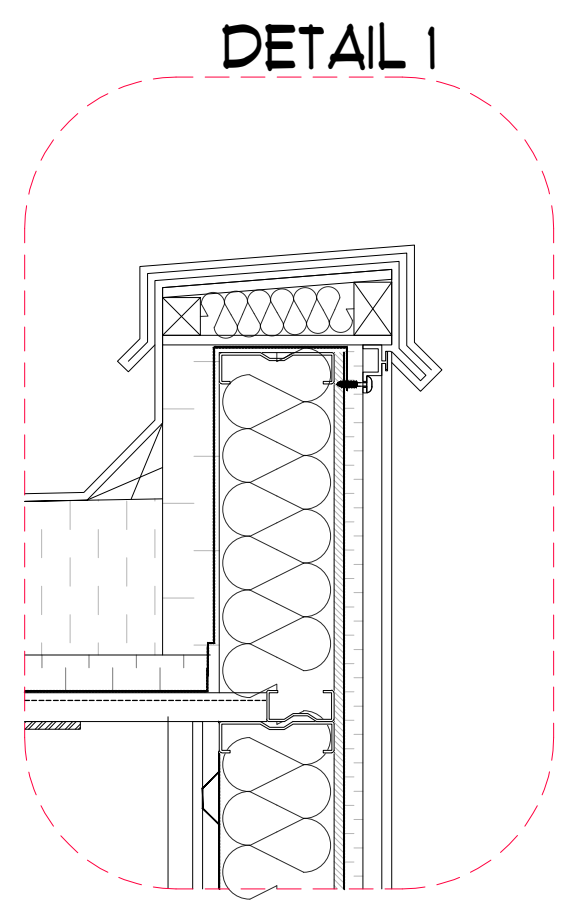
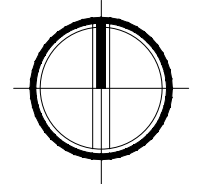
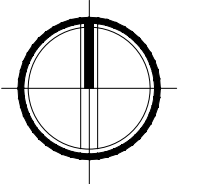
WALL SECTION (A-3)  
SCALE: 1/25

WALL SECTION (A-4)  
SCALE: 1/25

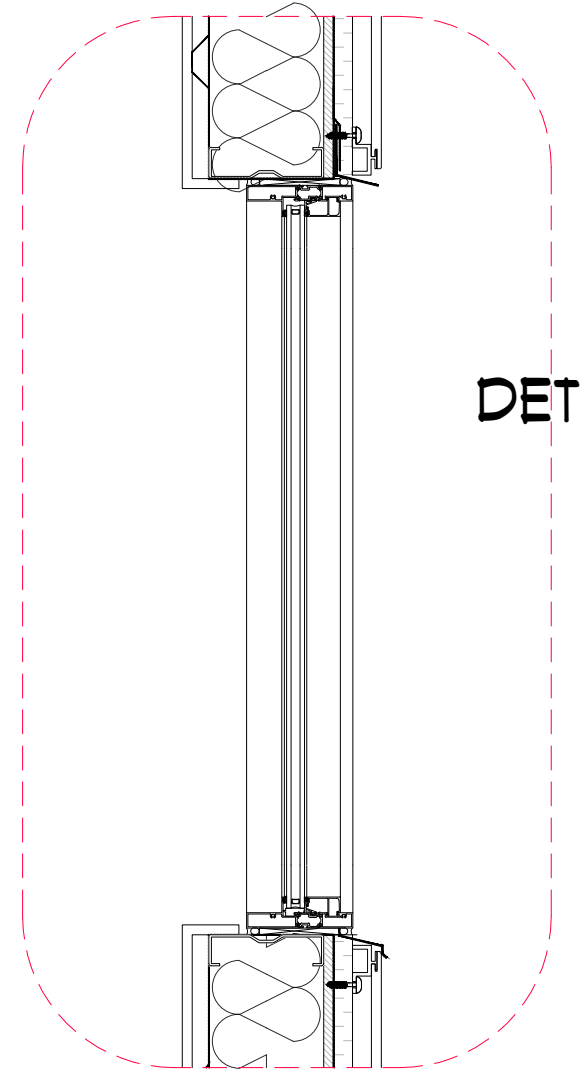
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SCALE: 1/25

WALL SECTION (B-1)  
SCALE: 1/25

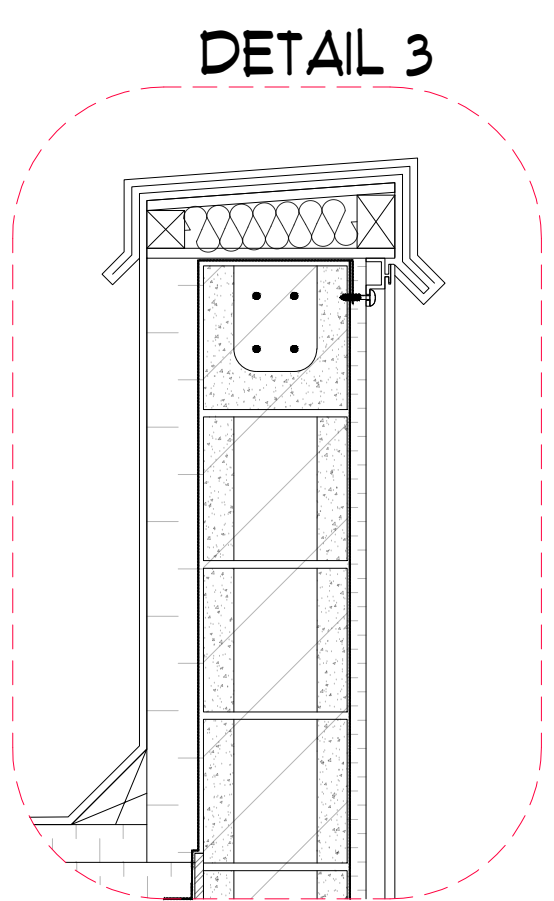
SHEET NO. 001  
 PROJECT NAME: 4180 RUE OF YORK, BOLLEVERD MESSAGERIA, OULSBURG  
**Sheridan Architecture**  
 4180 RUE OF YORK, BOLLEVERD MESSAGERIA, OULSBURG  
 PROJECT NAME: 4180 RUE OF YORK, BOLLEVERD MESSAGERIA, OULSBURG  
**YR**  
 PROJECT NAME: 4180 RUE OF YORK, BOLLEVERD MESSAGERIA, OULSBURG  
 WALL SECTIONS  
 DRAWN BY: RANSA M. SOLIERA  
 CHECK BY: VITO PACCO  
 WALL SECTIONS SECTION A  
 SCALE: 1/25  
 DATE: 11/17/2020  
 SHEET NO. 001  
 TOTAL SHEETS: 4500



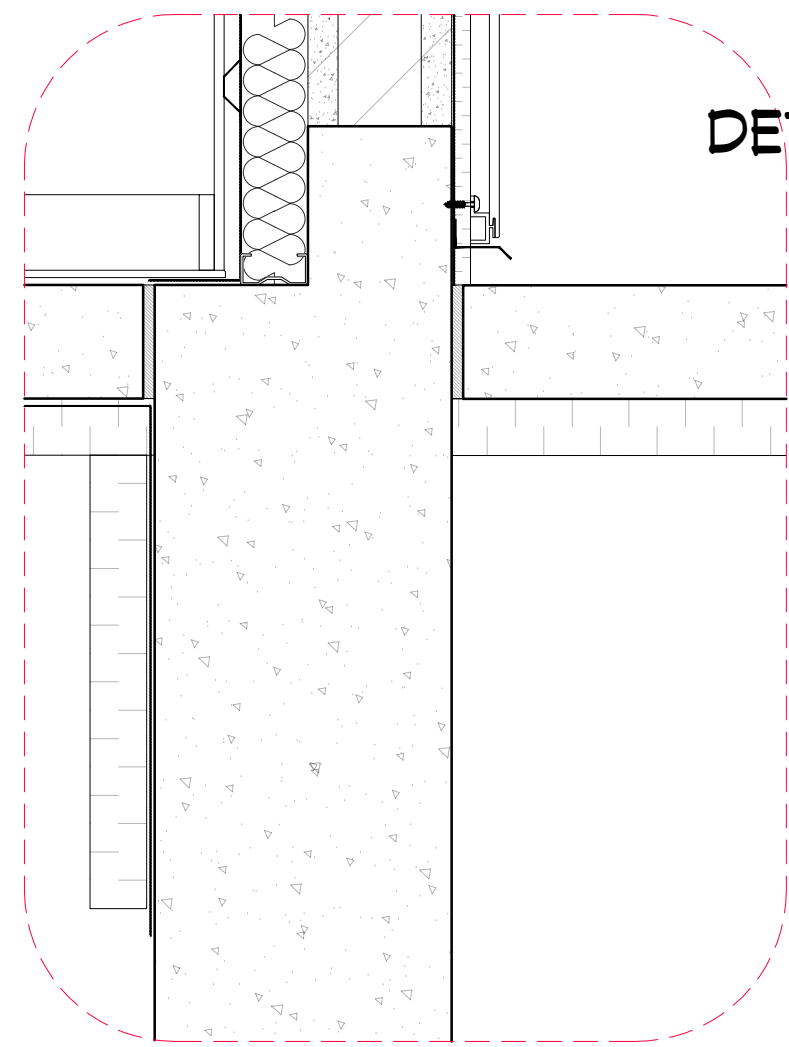
PARAPET STEEL STUD



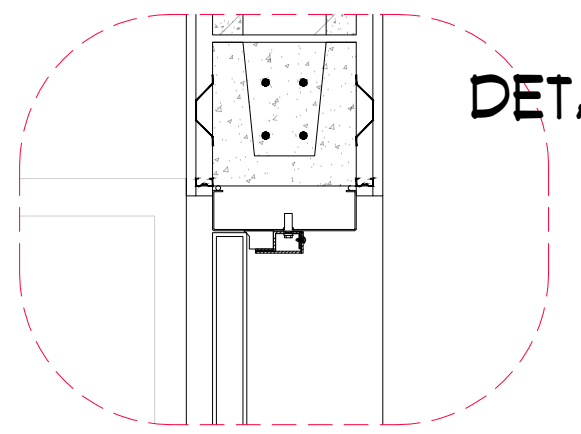
PUNCHED WINDOW HEAD AND SILL



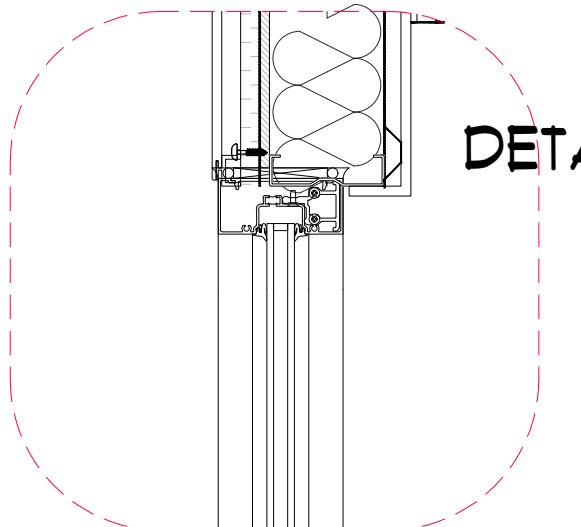
PARAPET CONC. BLOCK



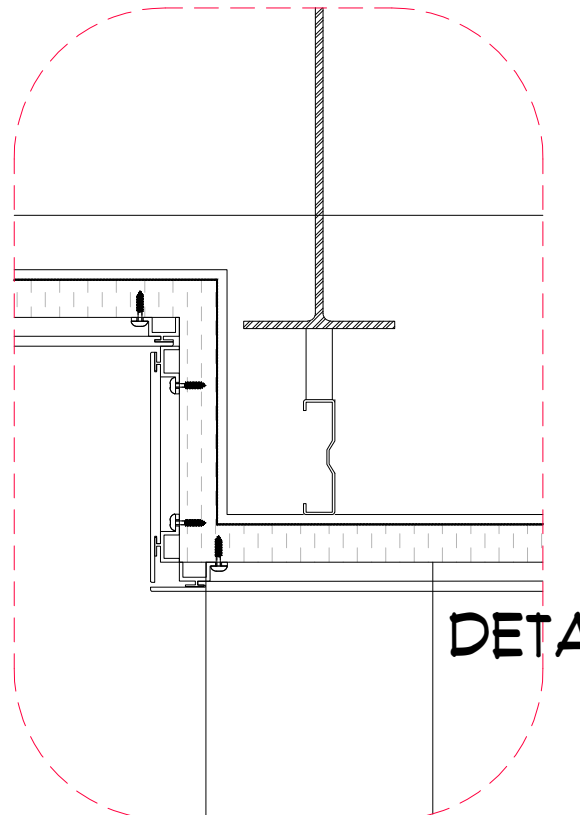
SLAB ON GRADE, FOUNDATION WALL CONC. BLOCK CONNECTION



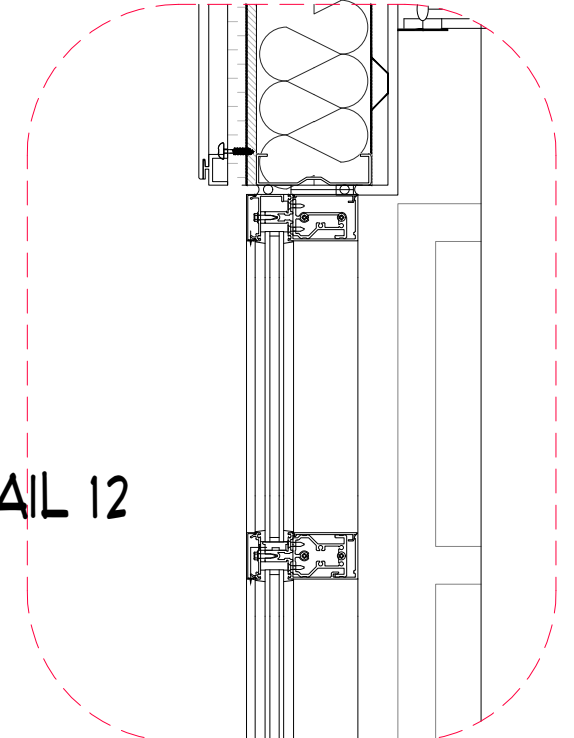
HOLLOW METAL DOOR HEAD



VESTIBULE CURTAIN WALL HEAD

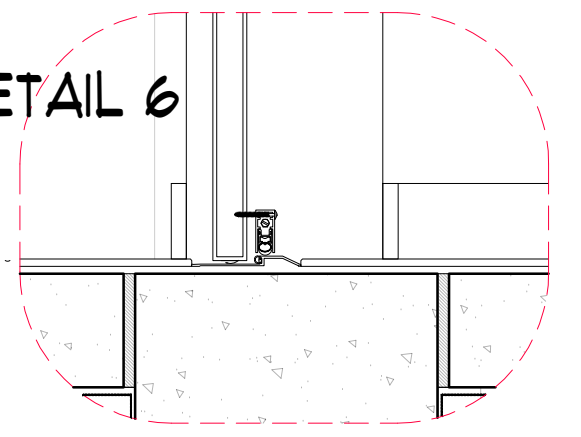


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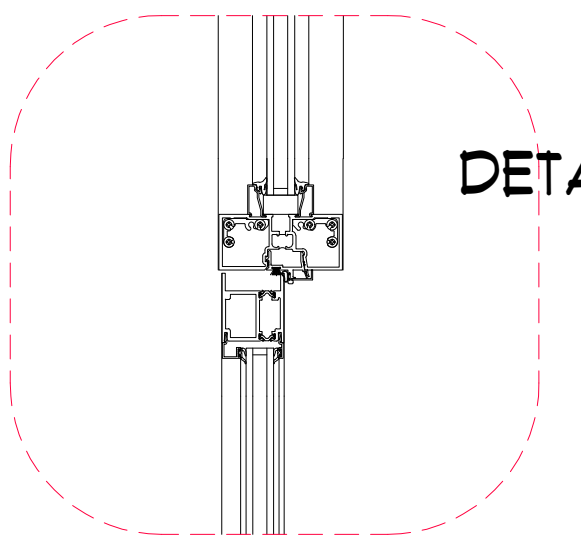


DETAIL 12

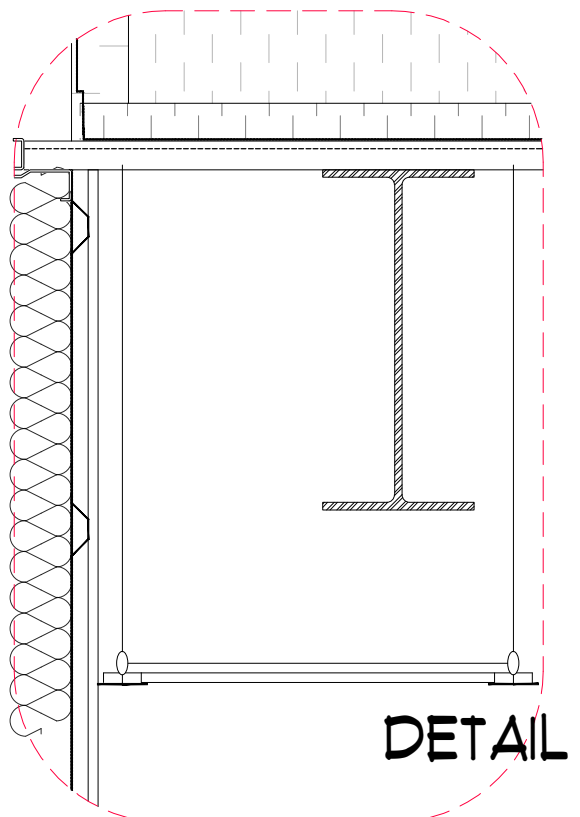
CURTAIN WALL HEAD, MIDDLE MULLION



HOLLOW METAL DOOR SILL

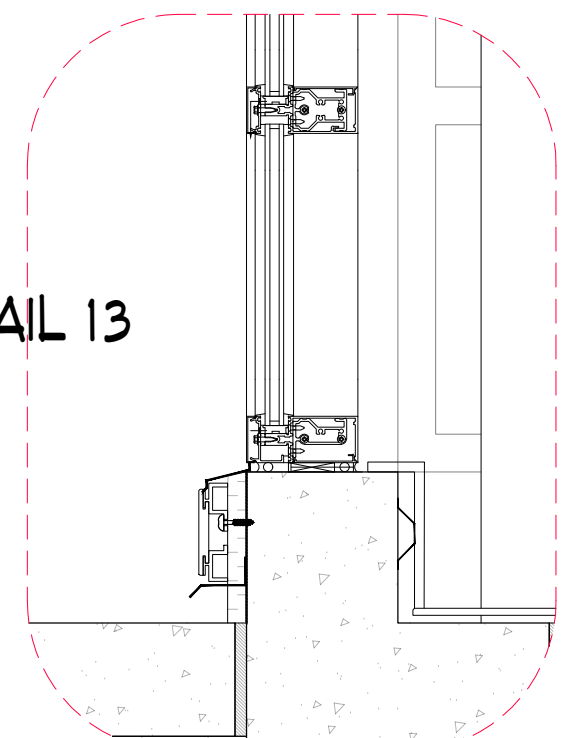


VESTIBULE CURTAIN WALL DOOR HEAD



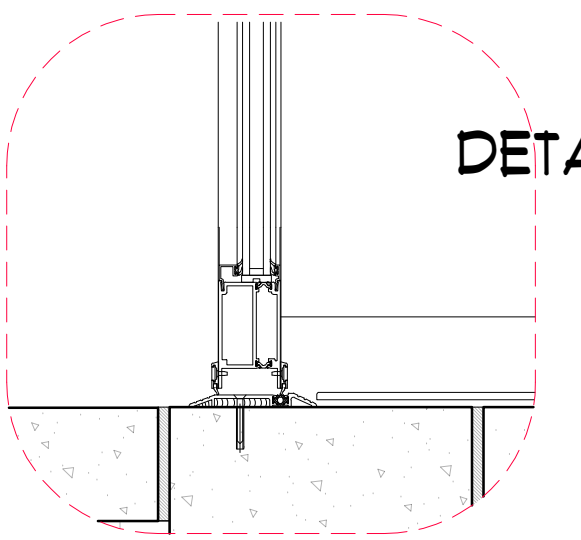
DETAIL 11

SUSPENDED CEILING



DETAIL 13

CURTAIN WALL MIDDLE AND SILL MULLION



VESTIBULE DOOR SILL

NO.	REV.	DESCRIPTION
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**Sheridan Architecture**  
 4180 RUE OF YORK, BOUTEVARD  
 MESSAQUA, ON L8B 0G8



PROJECT NAME AND LOCATION  
WALL SECTIONS

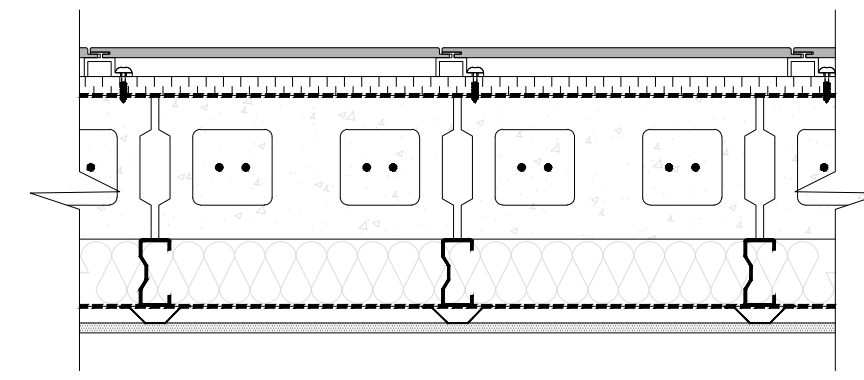
DESIGNED BY RANSA M. SOLERA YASHI AGRAWAL	CHECKED BY VITO PACCO
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DETAILS

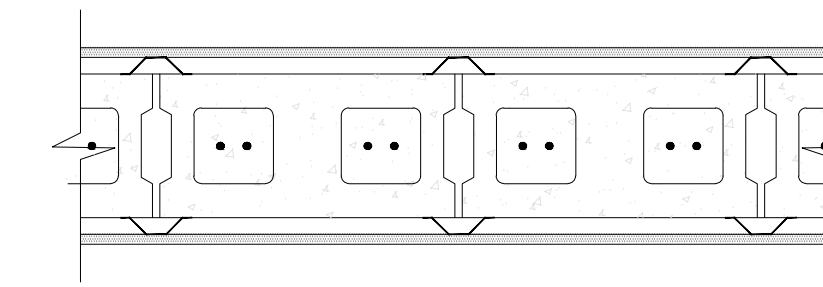
DATE 1/10	SCALE 1:10	REVISION 001	DATE 11/17/2020	PROJECT NUMBER A100
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# WALL SCHEDULE

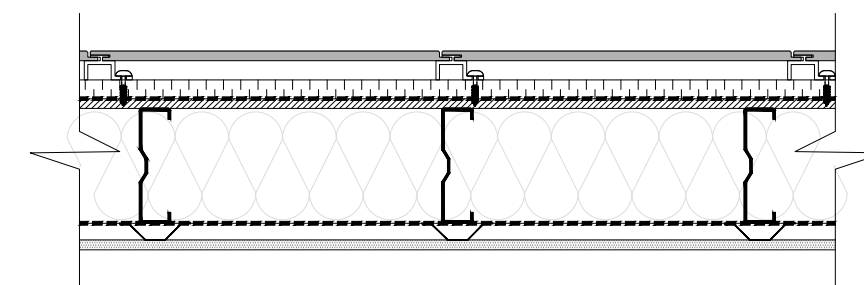
**EW1** EXTERIOR CONCRETE WALL (CORE)  
 13mm CONCRETE SKIN PANEL ATTACHED W/ Z-GIRTS  
 25mm AIR SPACE  
 25mm RIGID INSULATION  
 6MIL AIR BARRIER  
 190mm CONCRETE BLOCK  
 89mm STEEL STUDS W/  
 89mm BATT INSULATION  
 6MIL VAPOUR BARRIER  
 22MM FURRING CHANNELS @ 400 O.C.  
 13MM GWB



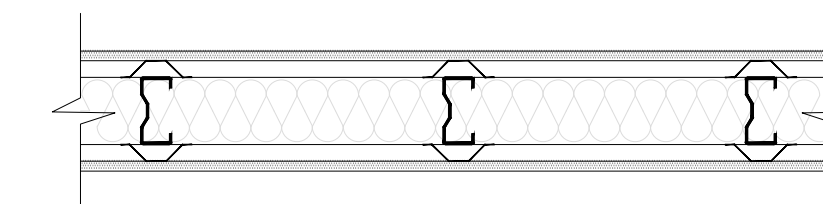
**P1** INTERIOR CONCRETE WALL (CORE)  
 13mm G.W.B.  
 22mm FURRING CHANNELS @ 400 O.C.  
 190mm CONCRETE BLOCK  
 22mm FURRING CHANNELS @ 400 O.C.  
 13mm G.W.B.



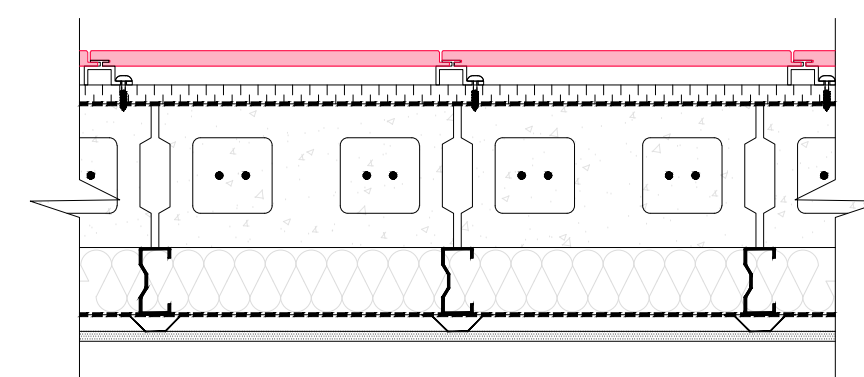
**EW2** EXTERIOR WALL  
 13mm CONCRETE SKIN PANEL ATTACHED W/ Z-GIRTS  
 25mm AIR SPACE  
 25mm RIGID INSULATION  
 6MIL AIR BARRIER  
 13mm OSB SHEATHING  
 152mm STEEL STUDS W/  
 152mm BATT INSULATION  
 6MIL VAPOUR BARRIER  
 22MM FURRING CHANNELS @ 400 O.C.  
 13MM GWB



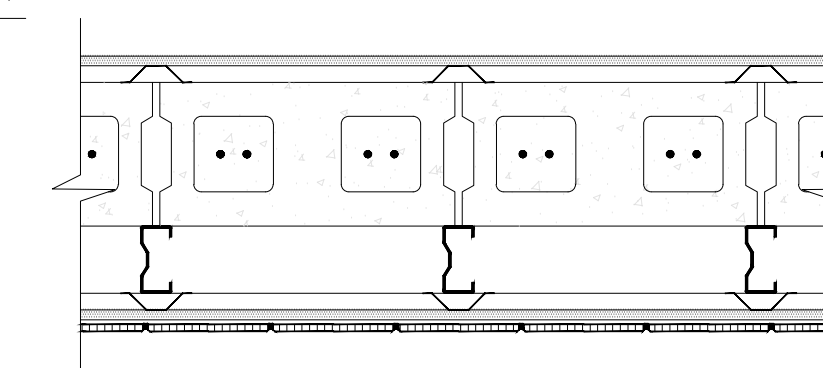
**P2** INTERIOR PARTITION WALLS  
 13mm G.W.B.  
 22mm FURRING CHANNELS @ 400 O.C.  
 89mm STEEL STUDS W/  
 89mm BATT INSULATION  
 22mm FURRING CHANNELS @ 400 O.C.  
 13mm G.W.B.



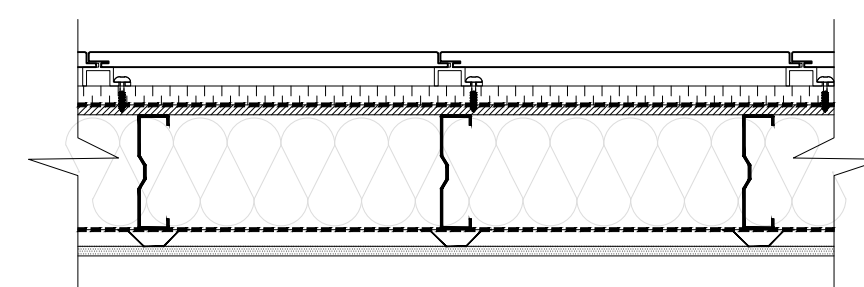
**EW3** EXTERIOR CONCRETE WALL (EXIT STAIRS)  
 20mm ALUMINUM COMPOSITE PANELS W/ Z-GIRTS  
 25mm AIR SPACE  
 25mm RIGID INSULATION  
 6MIL AIR BARRIER  
 190mm CONCRETE BLOCK  
 89mm STEEL STUDS W/  
 89mm BATT INSULATION  
 6MIL VAPOUR BARRIER  
 22mm FURRING CHANNELS @ 400 O.C.  
 13mm GWB



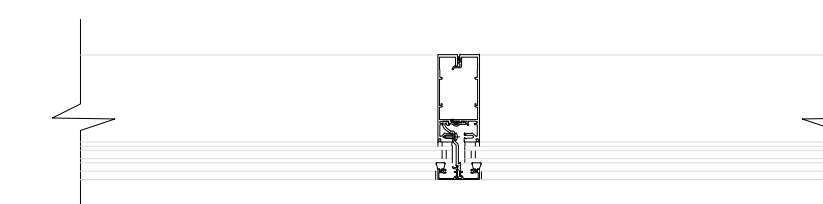
**P3** INTERIOR PARTITION WASHROOM WALLS (PIPE CHASE)  
 13mm G.W.B.  
 22mm FURRING CHANNELS @ 400 O.C.  
 190mm CONCRETE BLOCK  
 89mm STEEL STUDS  
 22mm FURRING CHANNELS @ 400 O.C.  
 13mm G.W.B.  
 6mm MORTAR BED  
 10mm CERAMIC TILE



**EW4** EXTERIOR WALL  
 20mm ALUMINUM COMPOSITE PANELS ATTACHED W/ Z-GIRTS  
 25mm AIR SPACE  
 25mm RIGID INSULATION  
 6MIL AIR BARRIER  
 13mm OSB SHEATHING  
 152mm STEEL STUDS W/  
 152mm BATT INSULATION  
 6MIL VAPOUR BARRIER  
 22mm FURRING CHANNELS @ 400 O.C.  
 13mm GWB



**EW6** EXTERIOR CURTAIN WALL  
 165 ALUMINUM MULLION W/  
 TRIPLE GLAZING W/  
 2 LOW-E (SOFT COAT) WITH ARGON (E=0.09) W/  
 INSULATOR SEPARATOR



**EW5** FOUNDATION WALL BELOW GARAGE  
 WATERPROOF MEMBRANE  
 400mm CONCRETE WALL  
 WATERPROOF MEMBRANE



**P4** HOLLOW METAL SCREENS (FRON OF STORE)  
 DW-SERIES HMS



CONSTRUCTION NORTH	TRUE NORTH
 <b>Sheridan Architecture</b> <small>4180 RUE OF YORK, BOULEVARD MESSASALLE, ON L8P 0G6</small>	
 <b>YR</b>	
PROJECT NAME AND LOCATION	
WALL SECTIONS	
OWNER:	DESIGNER:
RANSA M. SOLEIRA YASHI AGRAWAL	VITO PACIGGI
PROJECT TITLE	
WALL SCHEDULE	
DATE:	REVISED:
1/10	AIOI
REVISION:	DATE:
001	11/17/2020