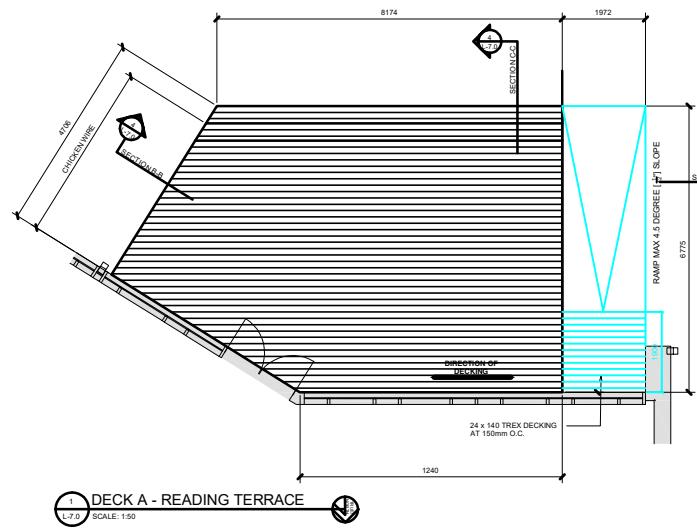
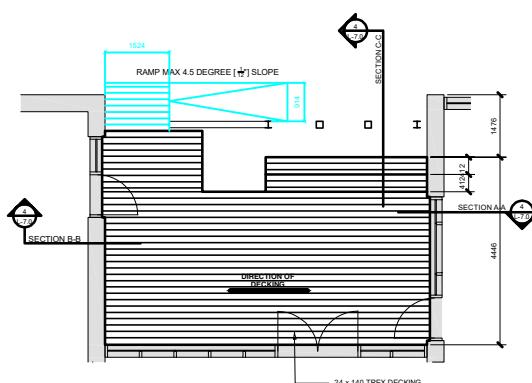


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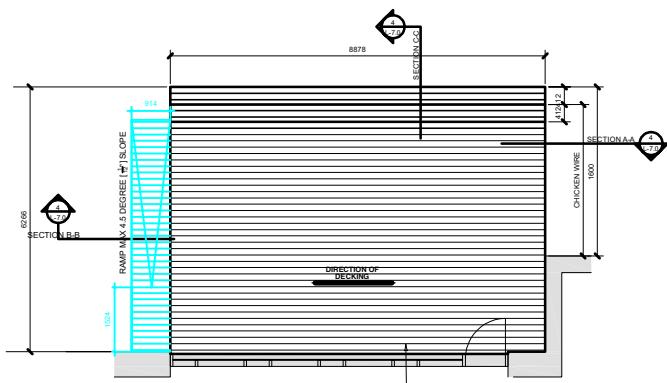
Layout Plan **DEMOLITION**



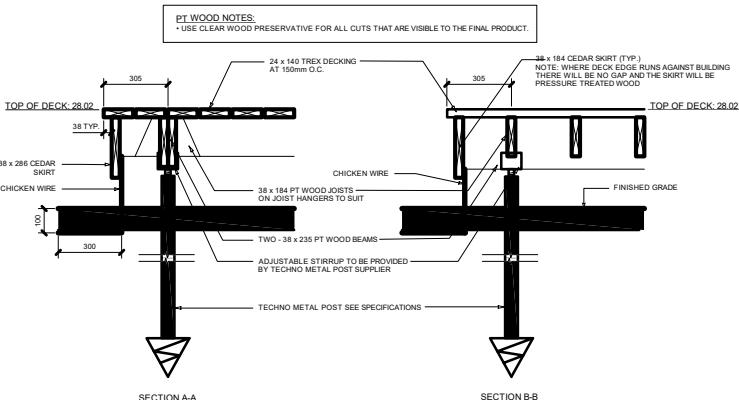
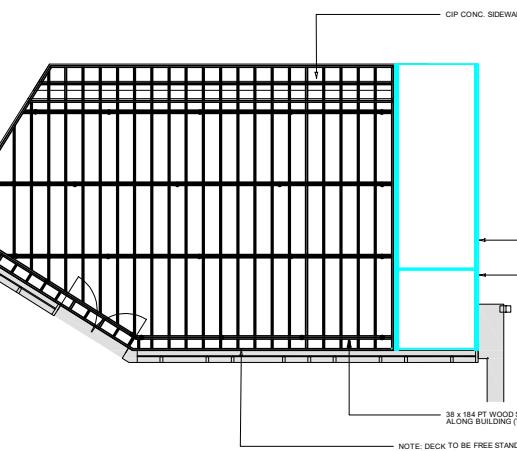
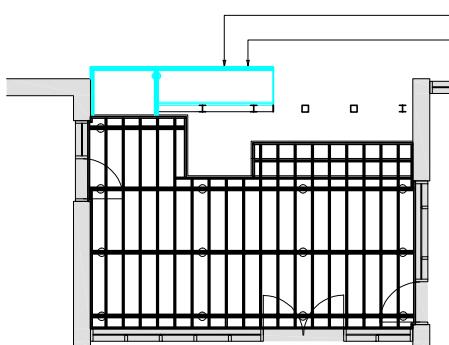
1 DECK A - READING TERRACE
L-7.0 SCALE: 1:50



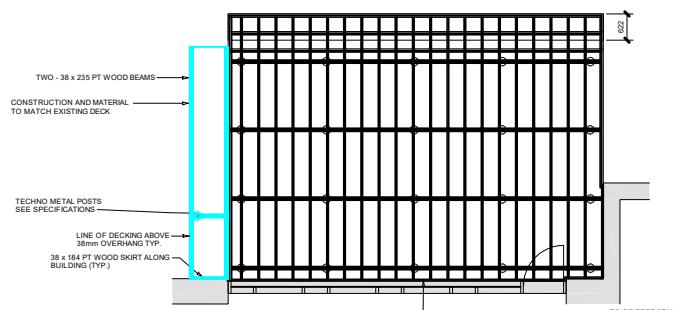
2 DECK B - COURTYARD
L-7.0 SCALE: 1:50



3 DECK C - STAFF
L-7.0 SCALE: 1:50



4 LANDING SECTIONS
L-7.0 SCALE: 1:10



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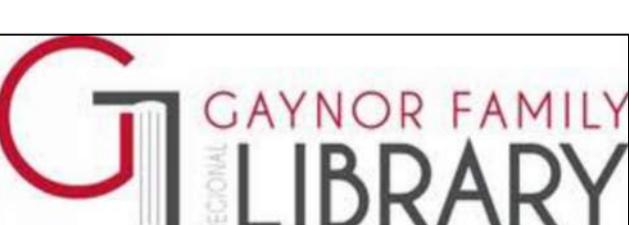
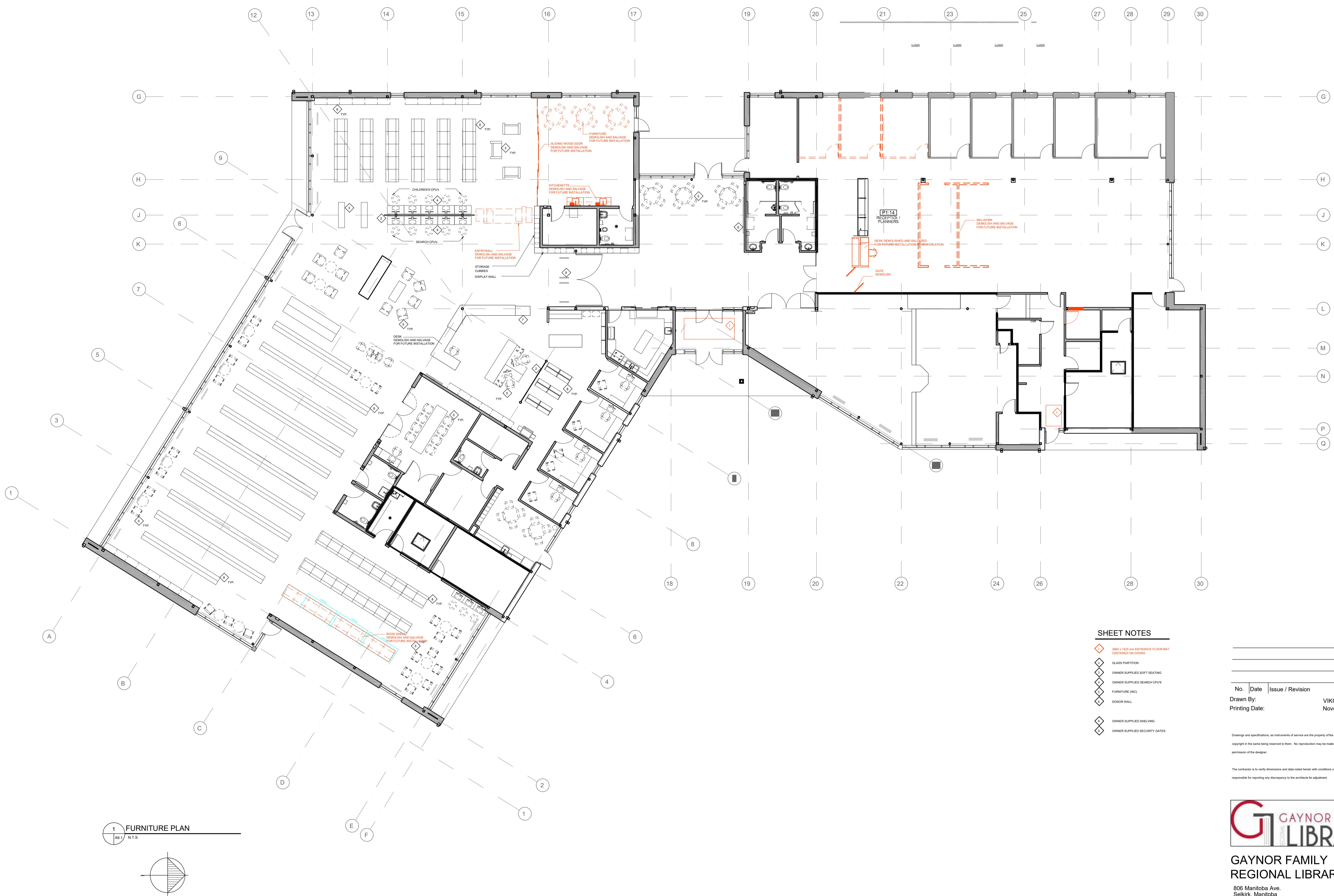
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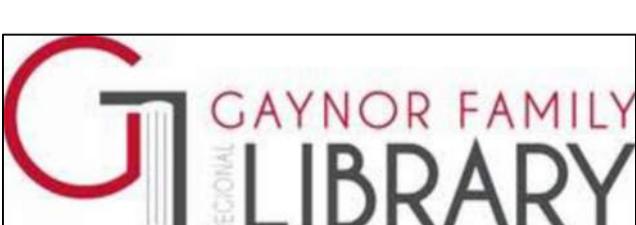
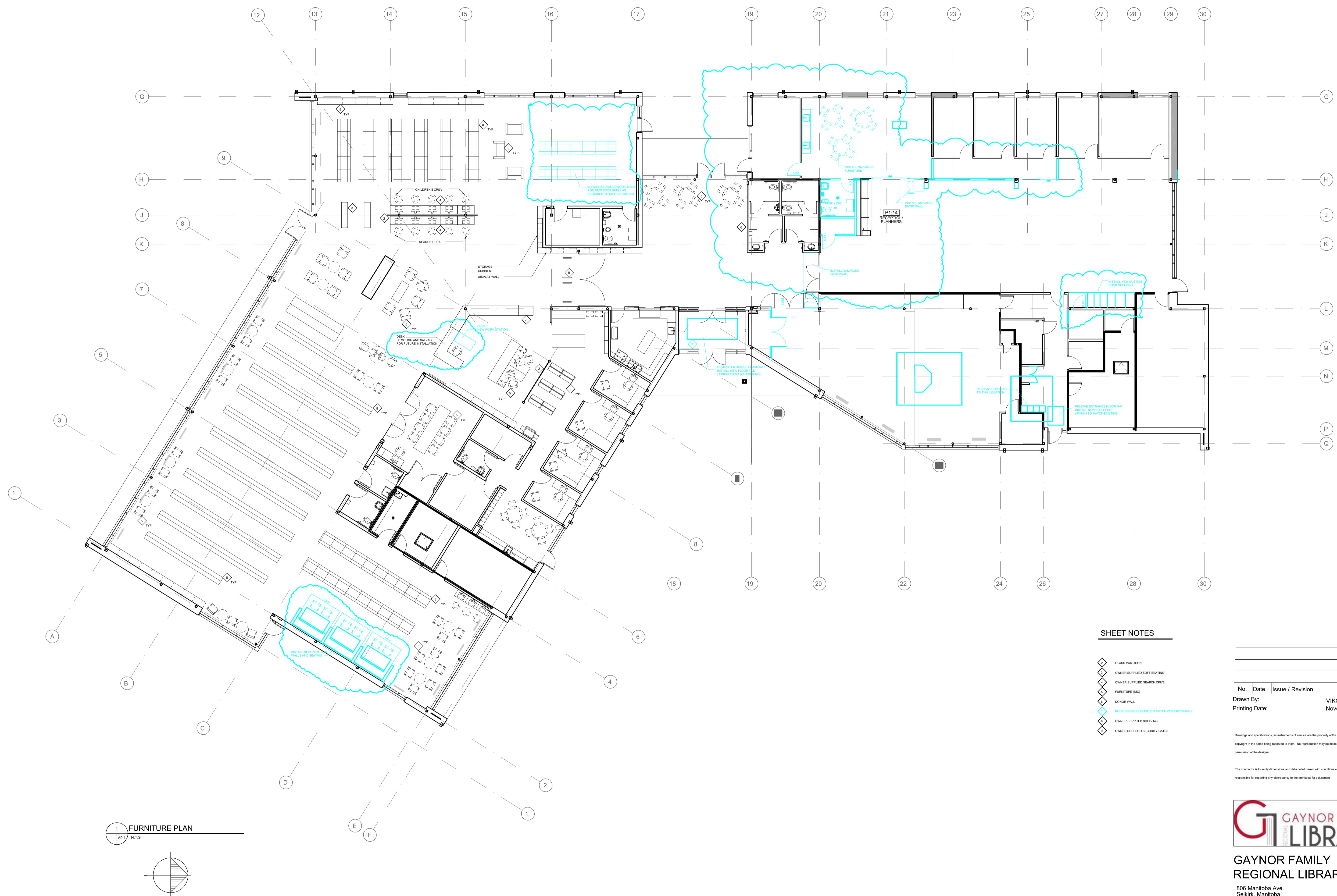
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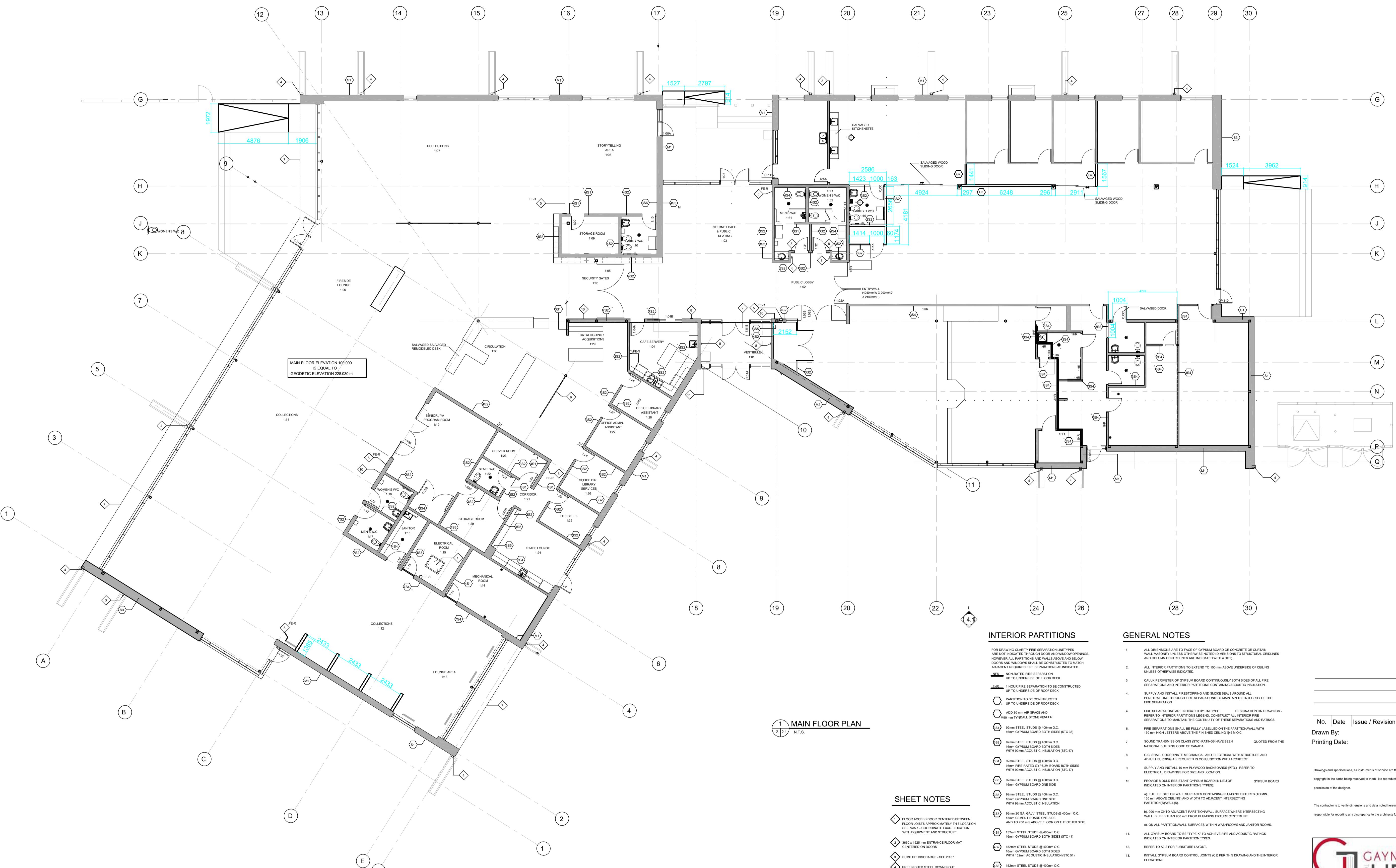
Main Floor
Demolition



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**Main Floor
New Construction Areas**

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NEW CONSTRUCTION
EXISTING
DEMOLITION

INTERIOR PARTITIONS

FOR DRAWING CLARITY FIRE SEPARATIONS LINES ARE NOT INDICATED THROUGH DOOR AND WINDOW OPENINGS. HOWEVER ALL PARTITIONS AND WALLS MOVE ABOVE AND BELOW DOORS AND WINDOWS SHALL BE CONSTRUCTED TO MATCH ADJACENT PARTITIONS AND WALLS AS INDICATED.

NON-RATED FIRE SEPARATIONS UP TO UNDERSIDE OF FLOOR DECK

UP TO UNDERSIDE OF ROOF DECK

PARTITION TO BE CONSTRUCTED UP TO UNDERSIDE OF ROOF DECK

ADD 30 mm AIR SPACE AND 50 mm TYNDALL STONE VENEER

92mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD BOTH SIDES (STC 36)

92mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD BOTH SIDES WITH 52mm ACUSTIC INSULATION (STC 47)

92mm STEEL STUDS @ 400mm O.C. 16mm FIRE-RATED GYPSUM BOARD BOTH SIDES WITH 92mm ACUSTIC INSULATION (STC 47)

92mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD ONE SIDE

92mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD ONE SIDE WITH 52mm ACUSTIC INSULATION

92mm STEEL STUDS @ 400mm O.C. 13mm CEMENT BOARD ONE SIDE AND TO 200 mm FLOOR ON THE OTHER SIDE

152mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD BOTH SIDES (STC 41)

152mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD BOTH SIDES (STC 51)

152mm STEEL STUDS @ 400mm O.C. 16mm FIRE-RATED GYPSUM BOARD BOTH SIDES WITH 152mm ACUSTIC INSULATION (STC 41)

152mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD ONE SIDE

92mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD ONE SIDE

92mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD BOTH SIDES WITH 52mm ACUSTIC INSULATION

92mm STEEL STUDS @ 400mm O.C. 16mm FIRE-RATED GYPSUM BOARD BOTH SIDES WITH 92mm ACUSTIC INSULATION (STC 51)

152mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD BOTH SIDES (STC 41)

152mm STEEL STUDS @ 400mm O.C. 16mm FIRE-RATED GYPSUM BOARD BOTH SIDES WITH 152mm ACUSTIC INSULATION (STC 51)

152mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD ONE SIDE

92mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD ONE SIDE

92mm STEEL STUDS @ 400mm O.C. 16mm GYPSUM BOARD BOTH SIDES WITH 52mm ACUSTIC INSULATION

92mm STEEL STUDS @ 400mm O.C. 16mm FIRE-RATED GYPSUM BOARD BOTH SIDES WITH 92mm ACUSTIC INSULATION (STC 51)

GLASS WALL TH-100 DUAL GLAZED PARTITION SYSTEM 50mm GLAZED SPACES OVER EXISTING WALL PARTITIONS

210 mm HIGH GYPSUM BOARD DECK (INDOOR TYPE) 12mm GYPSUM BOARD

FIRE 1-HOUR (WHEN DESCRIMATED) 300 mm HIGH GYPSUM BOARD

90 mm HIGH GYPSUM BOARD 16 mm THICK ABSORPTIVE MINERAL FIBER

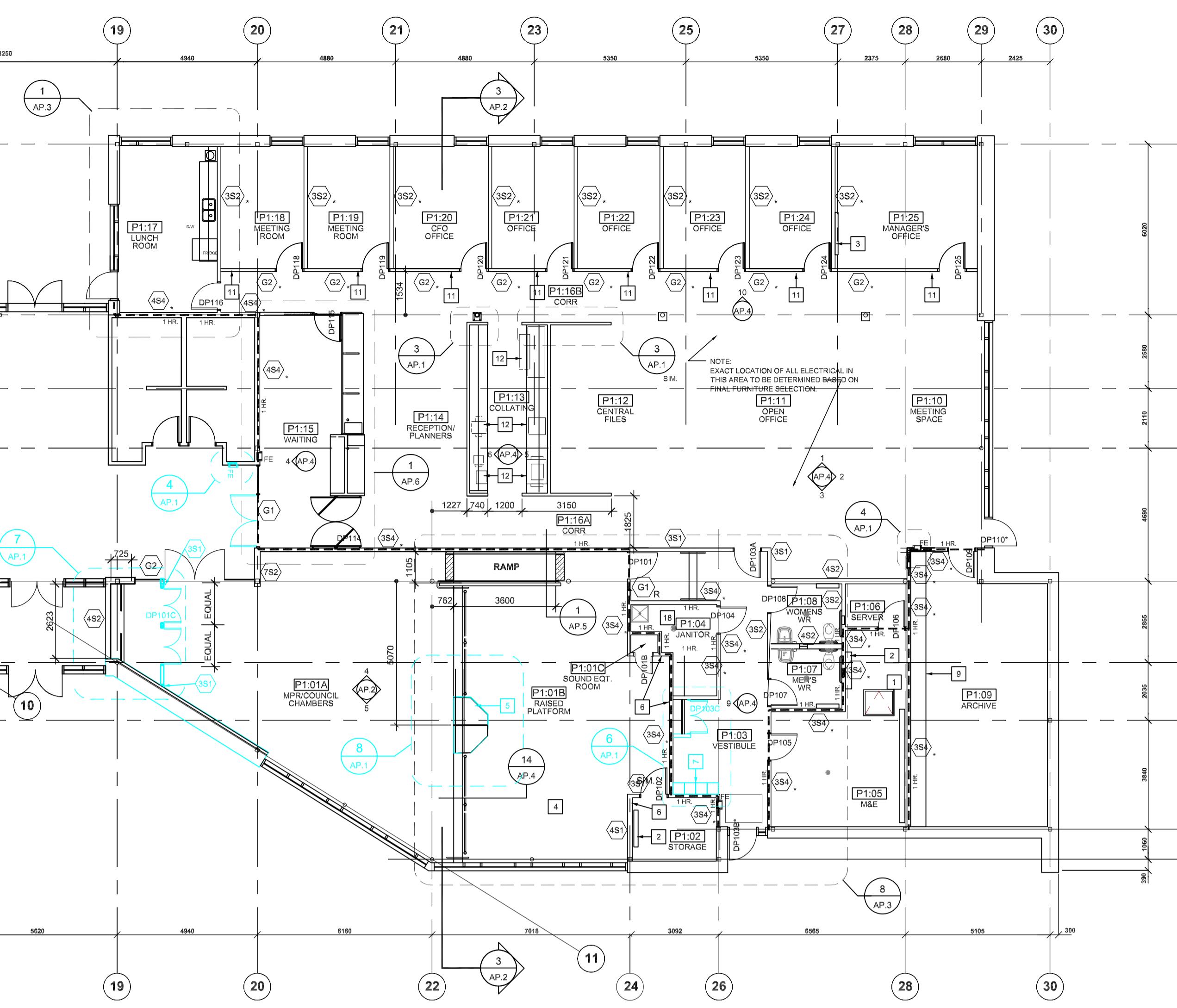
MINERAL FIBER 16 mm TYPE "X" GYPSUM BOARD

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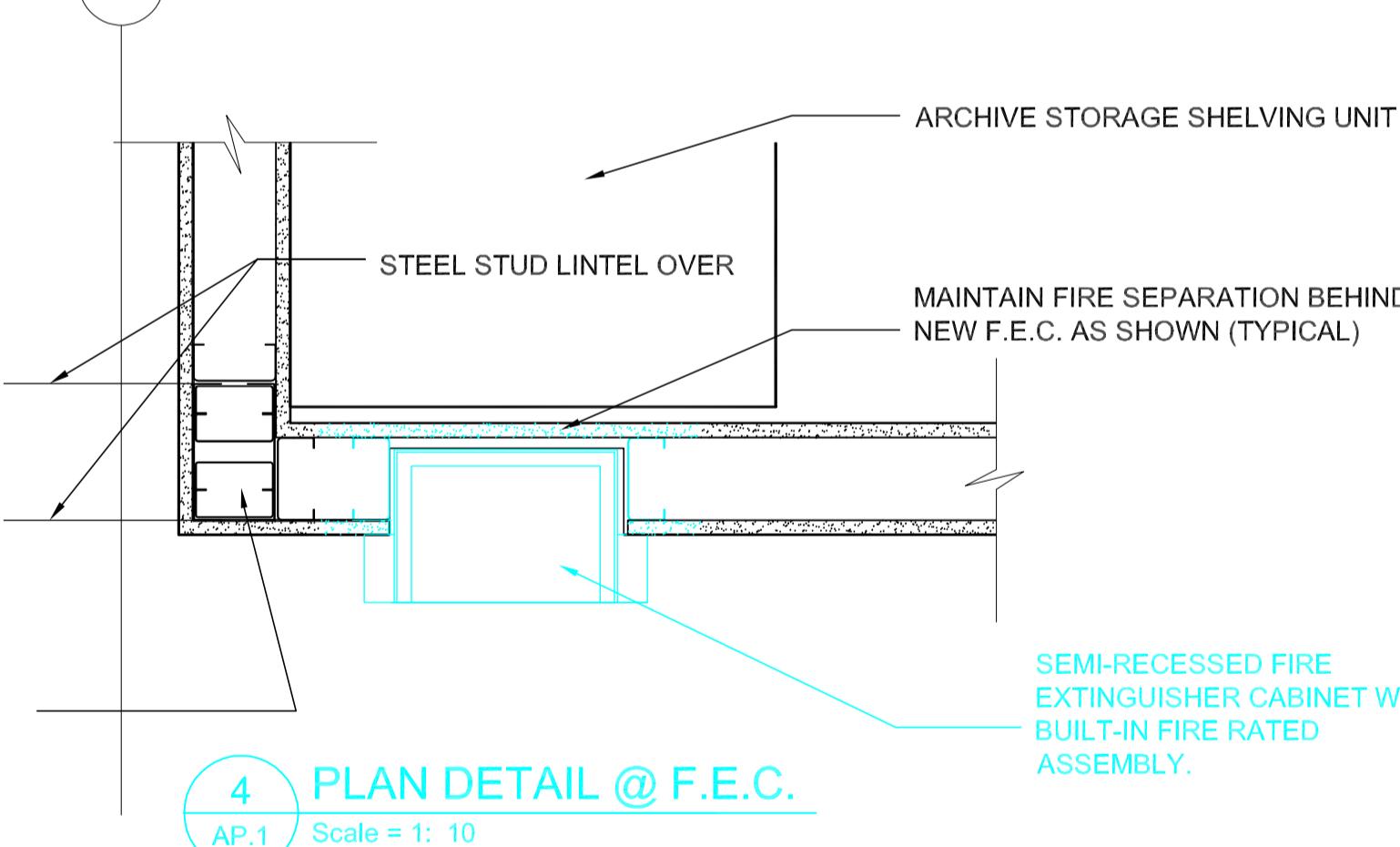
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**Main Floor Plan
NEW CONSTRUCTION
DIMENSIONS**



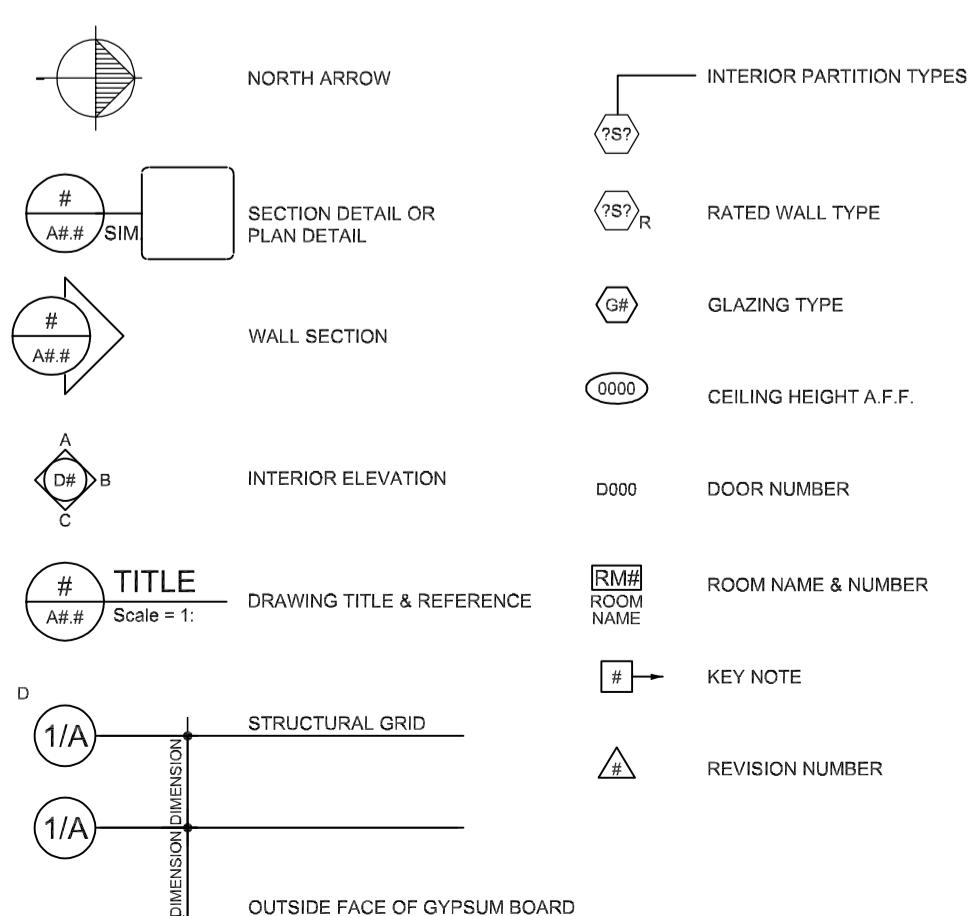
MAIN FLOOR PLAN
AP.1 Scale = 1:100



PLAN DETAIL @ F.E.C.
AP.1 Scale = 1: 10

STEEL STUD POST FOR
STEEL STUD FRAMED LINTEL
OVER -
-4 - 18GA X 92mm DEEP X
31mm FLANGE POST
-152mm STEEL STUD TRACK
BOTH SIDES

SYMBOLS



GENERAL DRAWING NOTES

THE DRAWINGS SHALL NOT BE SCALED. FOLLOW GIVEN DIMENSIONS ONLY.

PRIOR TO COMMENCEMENT OF WORK, REPORT ANY DISCREPANCIES TO THE CONSULTANT.

VARIATIONS AND MODIFICATIONS TO WORK SHOWN WILL NOT BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.

ALL DOOR FRAMES TO BE OFFSET 100mm FROM FRAME EDGE TO WALL FACE UNLESS OTHERWISE NOTED.

CERAMIC TILE FINISHES.

GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY MECHANICAL AND ELECTRICAL APPARATUS APPEARANCE WHICH MAY VARY FROM THAT INDICATED IN THE CONTRACT DOCUMENTS.

PROVIDE BLOCKING FOR WALL MOUNTED FIXTURES, EQUIPMENT, MILLWORK, FURNITURE, ETC AS REQUIRED.

INTERIOR PARTITION NOTES WALL TYPE GENERAL NOTES

1. FIRE SEPARATIONS ARE INDICATED BY THE TYPE DESIGNATED ON THE DRAWING. REFER TO MAIN FLOOR PLAN FOR LOCATION AND RATING OF FIRE SEPARATION. THE STANDARDS FOR FIRE AND SOUND TRANSMISSION CLASSES (STC) ARE SHOWN FOR REFERENCED ONLY.

2. REFER TO ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL FINISHES.

3. IN WASHROOMS PROVIDE TILE BACKER BEHIND CERAMIC TILE FINISHES.

4. CONSTRUCT FIRE RATED AND ACOUSTICALLY INSULATED WALLS TO UNDERSIDE OF ROOF DECK ABOVE.

5. ACOUSTIC INSULATION - IN FIRE RATED WALLS TO BE MINERAL FIBRE PROCESSED FROM ROCK OR SLAG WITH A THICKNESS OF 12mm x 92mm = 108kg/m² FOR 89mm THICKNESS. REFER TO SPEC.

6. ACOUSTICALLY SEPARATE BACK TO BACK ELECTRICAL BOXES WHICH CANNOT BE SEPARATED BY MIN. (1 FULL STUD SPACE) ATTACH DOUBLE LAYER 16 GWB TO SIDE OF STUD FROM FLOOR TO CEILING. SEAL WITH ACOUSTIC FOAM ON BOTTOM AND SIDES.

7. ALL INTERIOR WALL DIMENSIONS TO OUTSIDE FACE OF GYPSUM BOARD PARTITION OR TO FACE OF GLASS PARTITION FRAME. COORDINATE STUD FRAMING TO SUIT.

8. ALL EXTERIOR - OR NON-RATED STEEL STUD PARTITIONS TO ELEVATE 150mm ABOVE FINISH CEILING UNLESS OTHERWISE NOTED.

9. PROVIDE SLIP-JOINT FOR ALL FULL HEIGHT PARTITIONS. MAINTAIN FIRE RESISTANCE RATING WHERE REQUIRED.

INTERIOR PARTITION TYPES

REFER TO 'A' SERIES DRAWINGS BY LM ARCHITECTURAL GROUP

G1 PARTITION TO BE CONSTRUCTED UP TO
UNDERSIDE OF ROOF DECK

G2 92mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 38)

G3 92mm STEEL STUDS @ 400mm O.C.

16mm FIRE-RATED GYPSUM BOARD BOTH SIDES

WITH 92mm ACOUSTIC INSULATION (STC 47)

G4 92mm STEEL STUDS @ 400mm O.C.

16mm FIRE-RATED GYPSUM BOARD BOTH SIDES

WITH 92mm ACOUSTIC INSULATION (STC 41)

G5 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 46)

G6 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 48)

G7 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 49)

G8 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G9 92mm STEEL STUDS @ 400mm O.C.

64mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES

WITH 92mm ACOUSTIC INSULATION (STC 51)

G10 92mm STEEL STUDS @ 400mm O.C.

64mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES

WITH 92mm ACOUSTIC INSULATION (STC 51)

G11 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 46)

G12 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 48)

G13 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 49)

G14 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G15 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G16 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G17 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G18 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G19 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G20 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G21 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G22 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G23 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G24 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G25 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G26 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G27 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G28 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G29 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G30 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G31 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G32 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G33 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G34 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G35 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G36 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G37 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G38 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G39 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G40 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G41 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G42 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G43 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G44 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G45 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G46 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G47 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G48 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G49 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G50 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G51 152mm STEEL STUDS @ 400mm O.C.

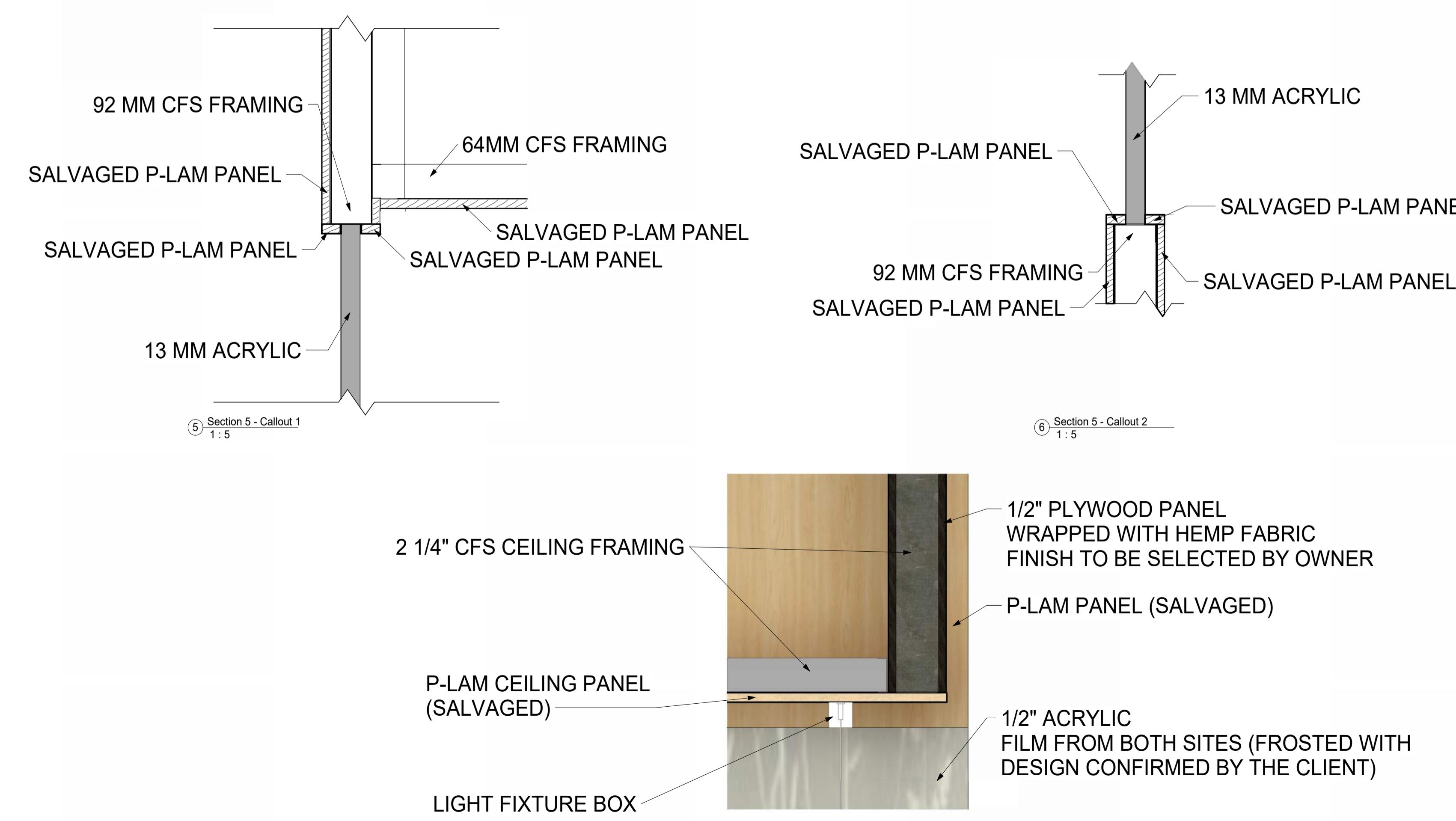
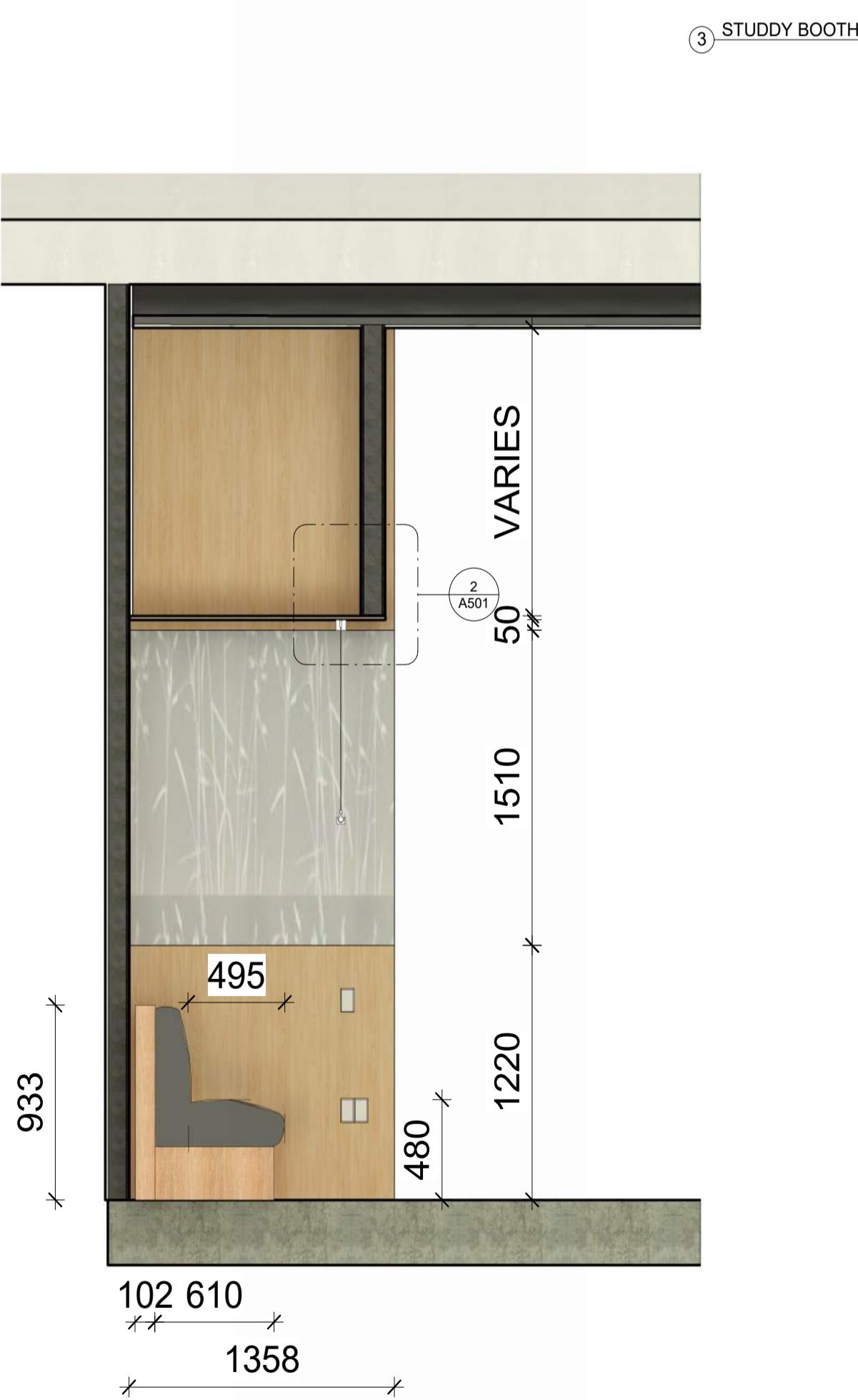
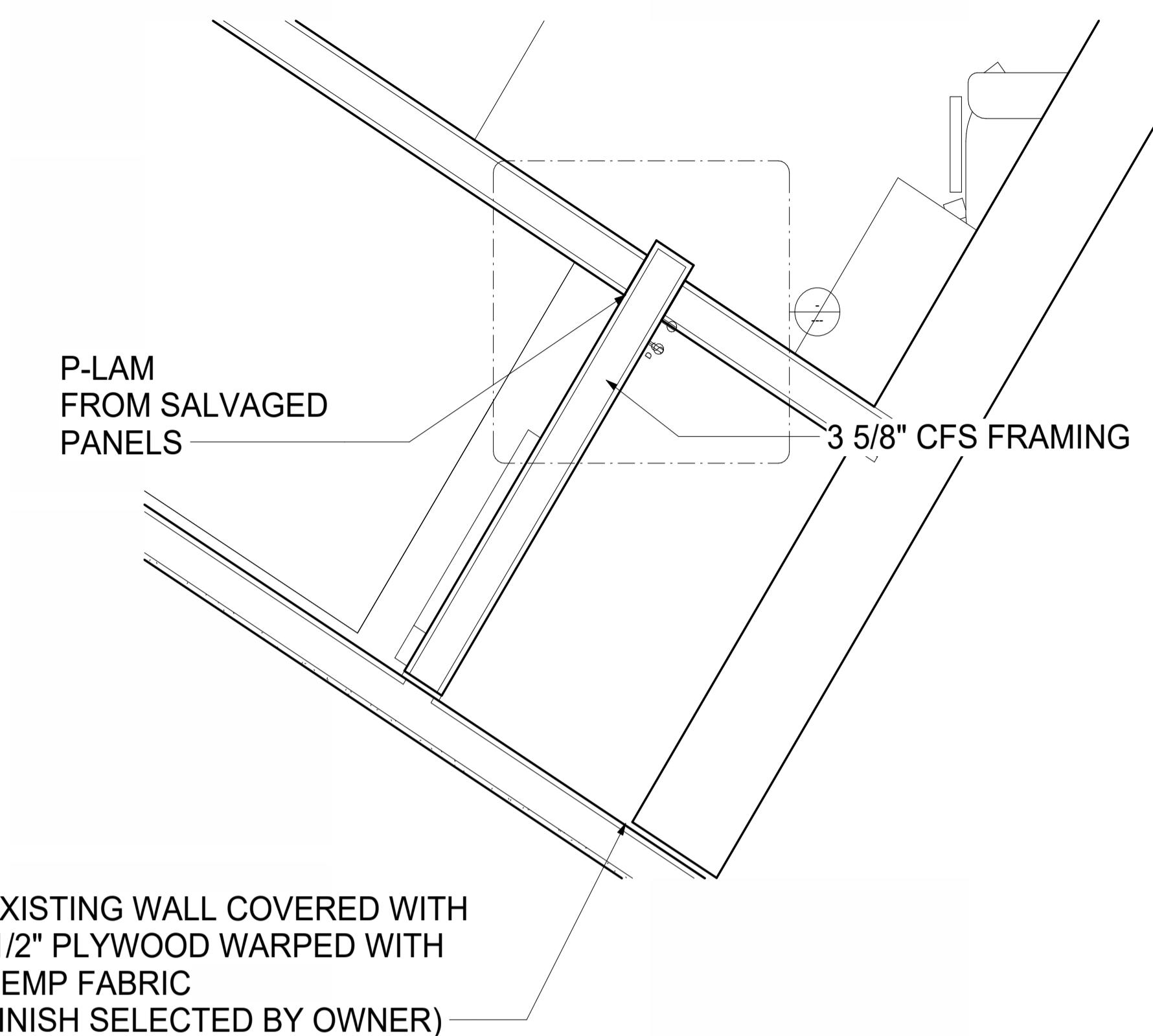
16mm GYPSUM BOARD BOTH SIDES (STC 51)

G52 152mm STEEL STUDS @ 400mm O.C.

16mm GYPSUM BOARD BOTH SIDES (STC 51)

G53 152mm STEEL STUDS @ 400mm O.C.

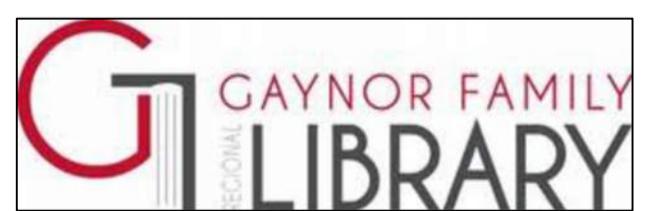
16mm G



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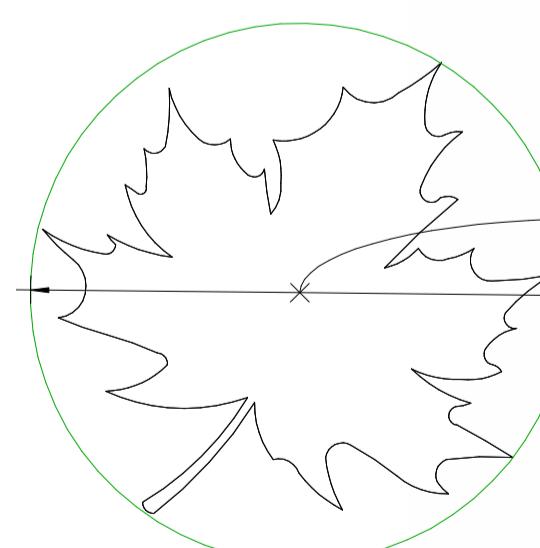
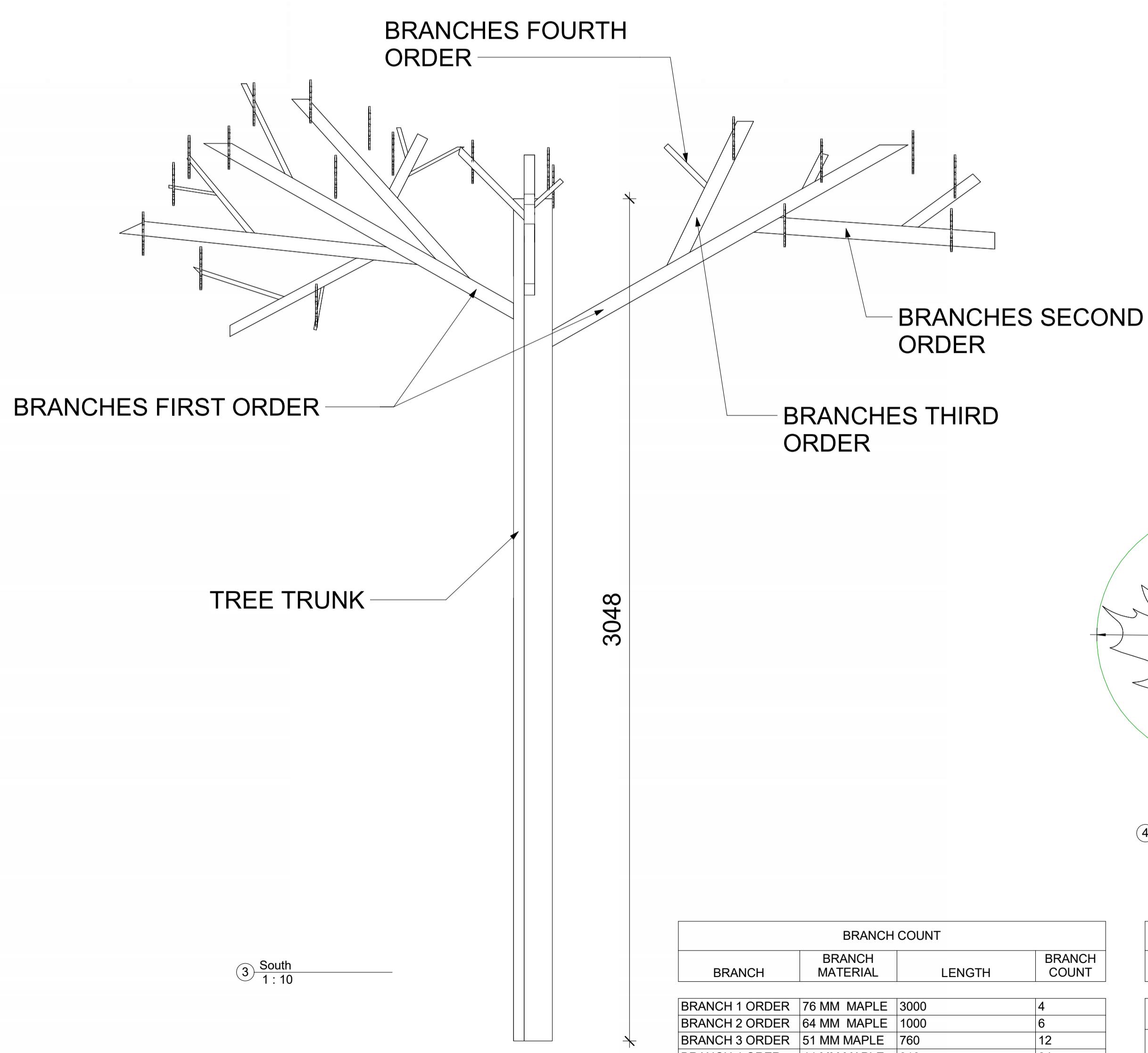
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Study Booth



① Tree Front View

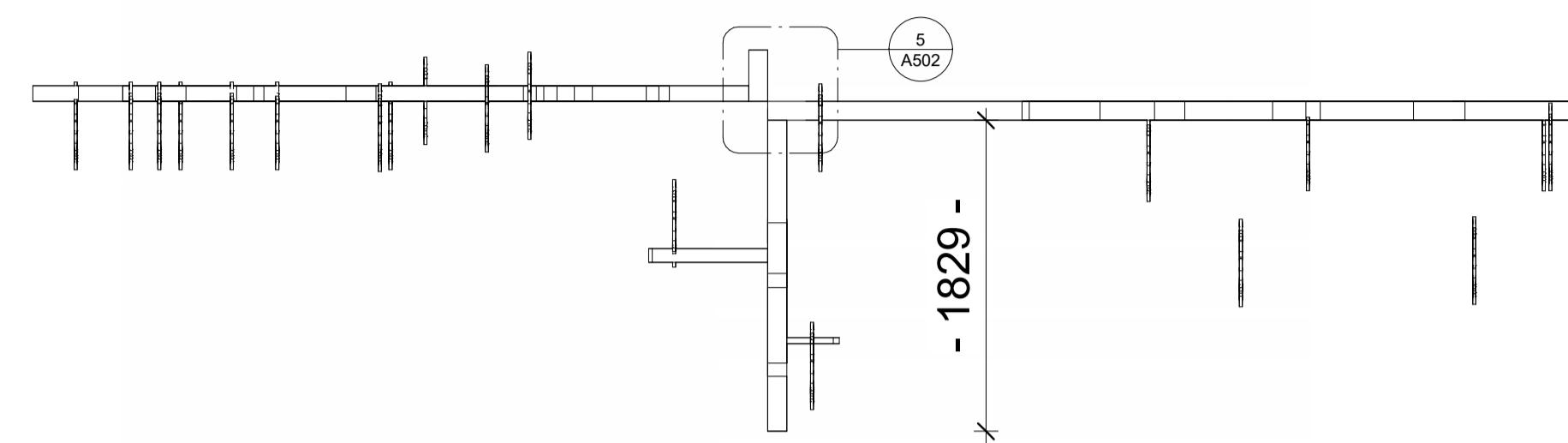


SIZE AS PER SCHEDULE

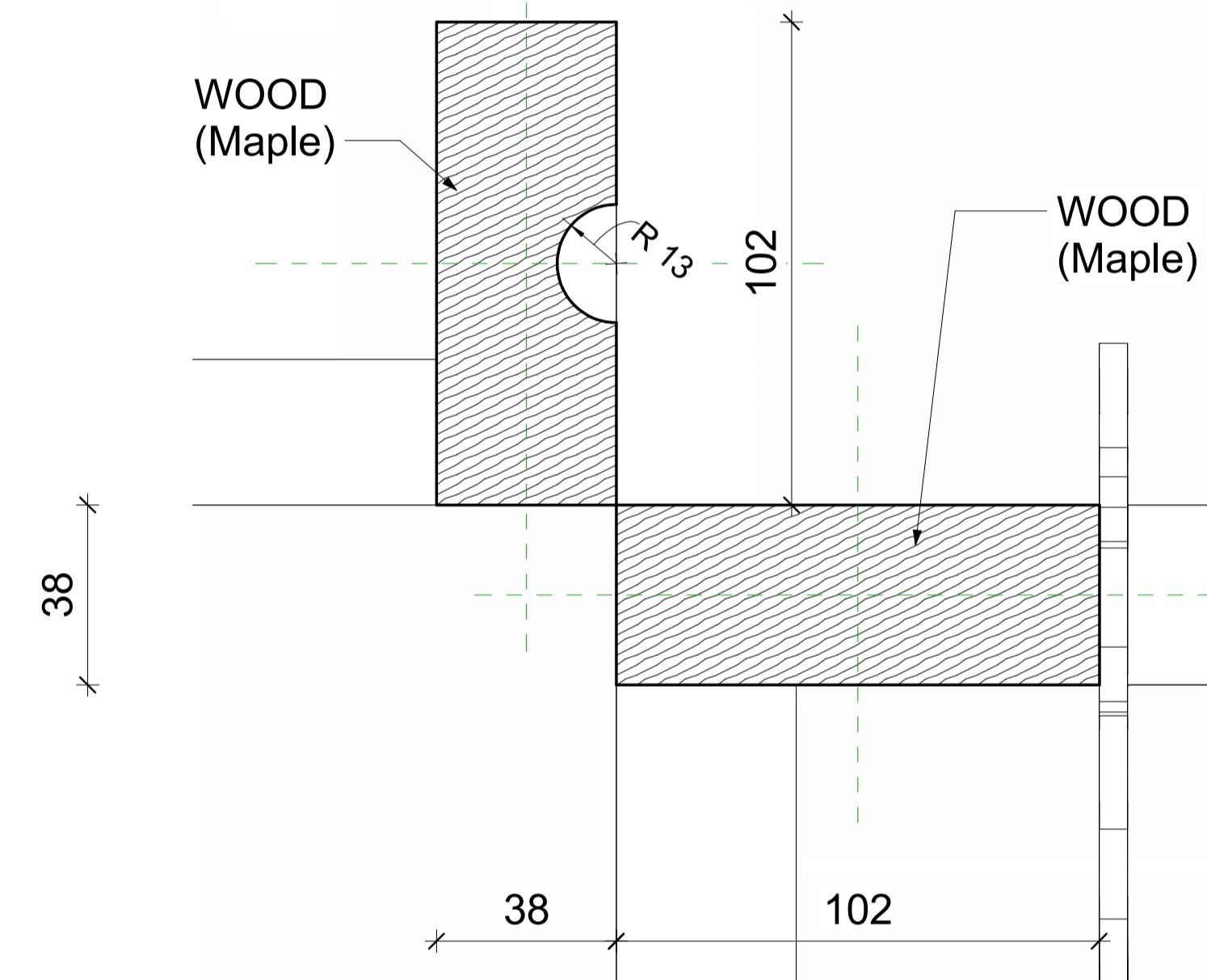
BRANCH COUNT			
BRANCH	BRANCH MATERIAL	LENGTH	BRANCH COUNT
BRANCH 1 ORDER	76 MM MAPLE	3000	4
BRANCH 2 ORDER	64 MM MAPLE	1000	6
BRANCH 3 ORDER	51 MM MAPLE	760	12
BRANCH 4 ORDER	44 MM MAPLE	310	24

Leaf Schedule						
Description	MATERIAL	AMOUNT	SIZE IN DIAMETER	Depth	Comments	
LEAF	ACOUSTIC PANEL	200	102	13	50Leafs (Green, RGB: (90,155,54)), 100 (Rufous, RGB: (176,24,5)), 50 (Dark Green, RGB: (0,51,0))	
LEAF	ACOUSTIC PANEL	200	152	13	50Leafs (Green, RGB: (90,155,54)), 100 (Rufous, RGB: (176,24,5)), 50 (Dark Green, RGB: (0,51,0))	

- 6096 -



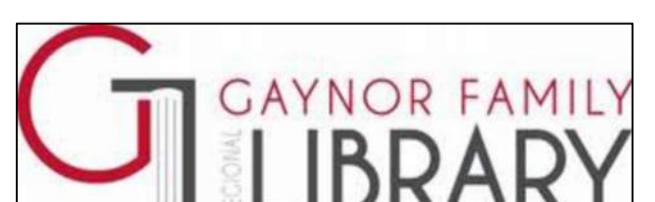
② Level 1 Tree
1:10



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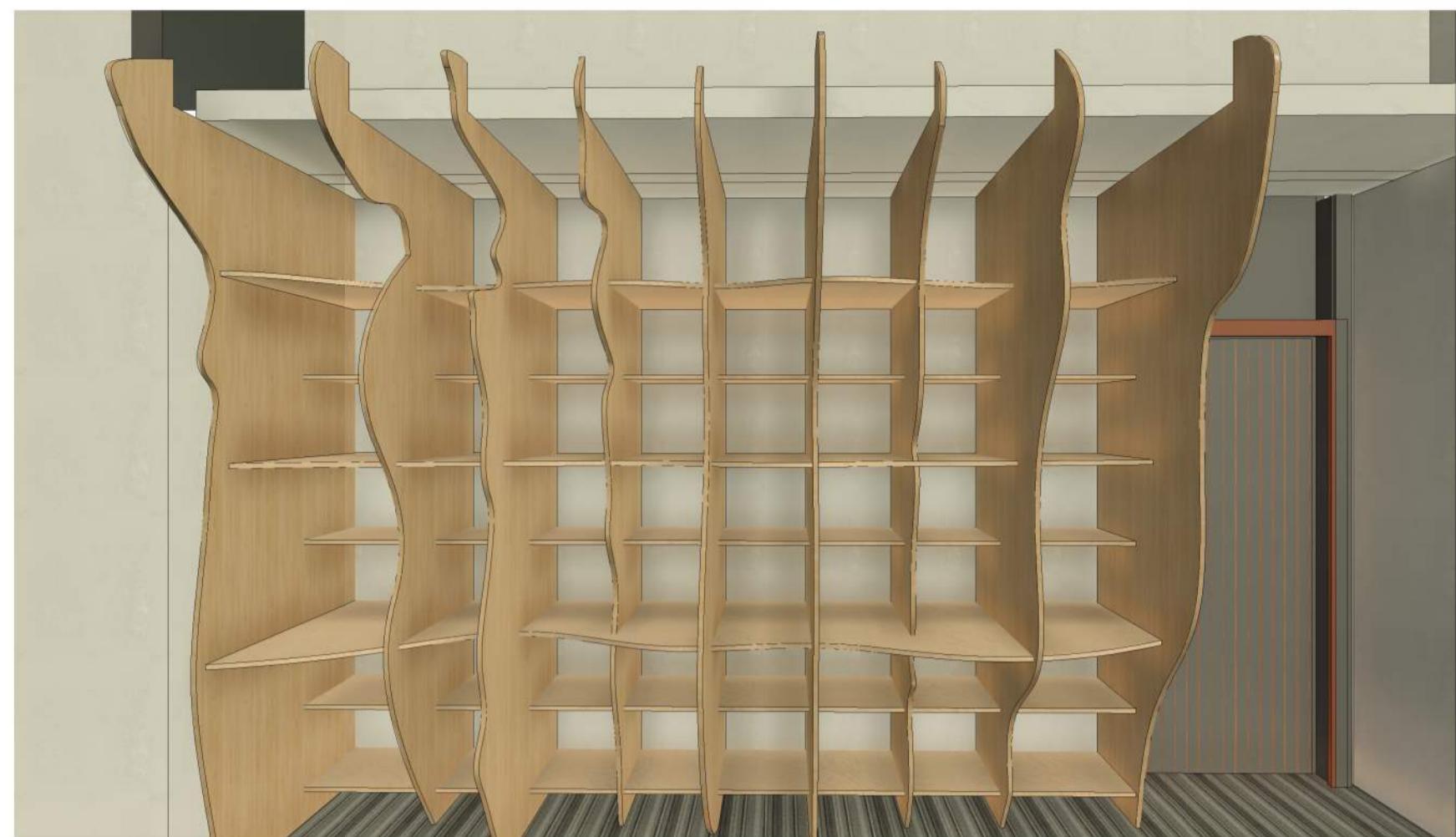
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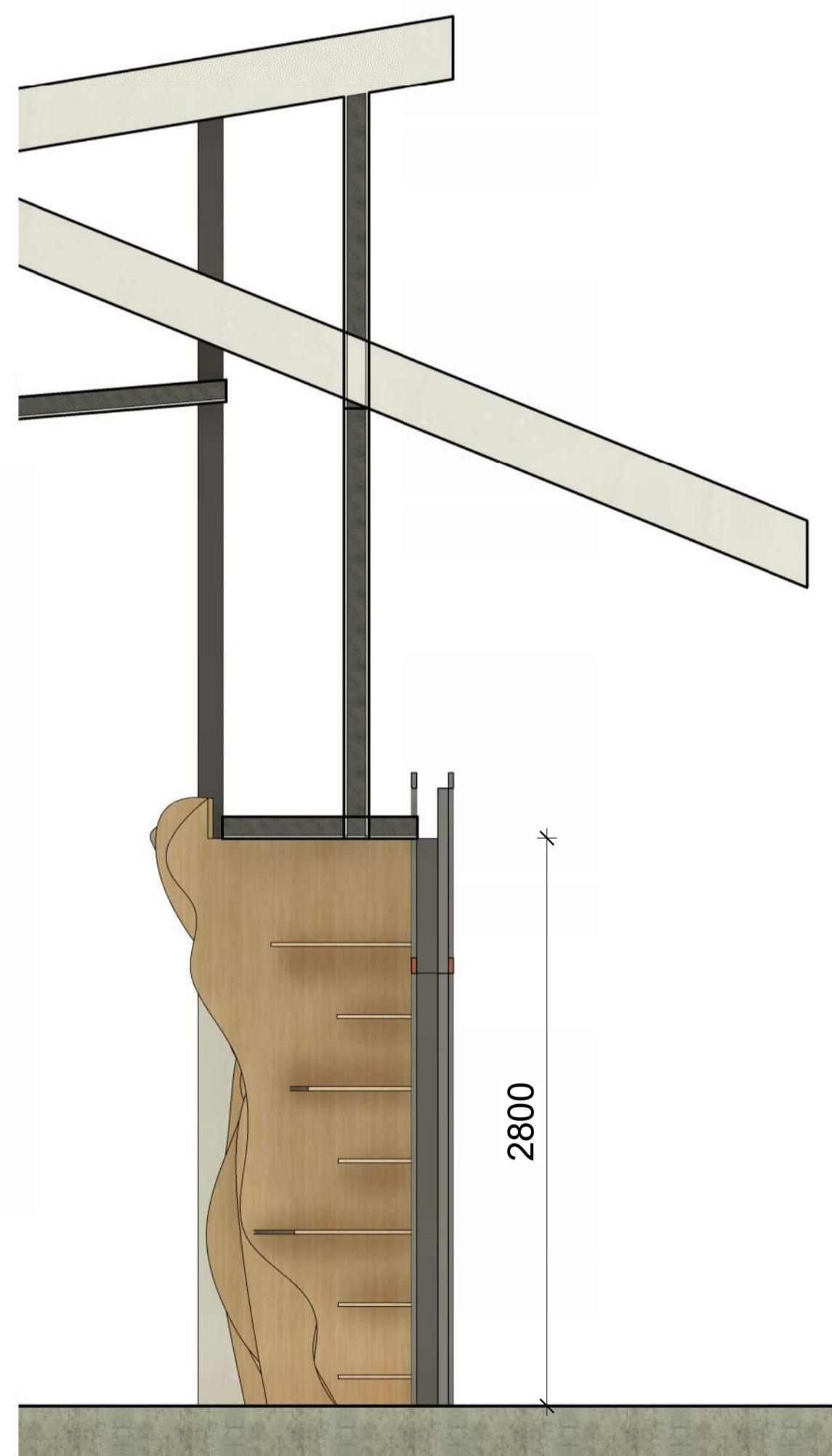
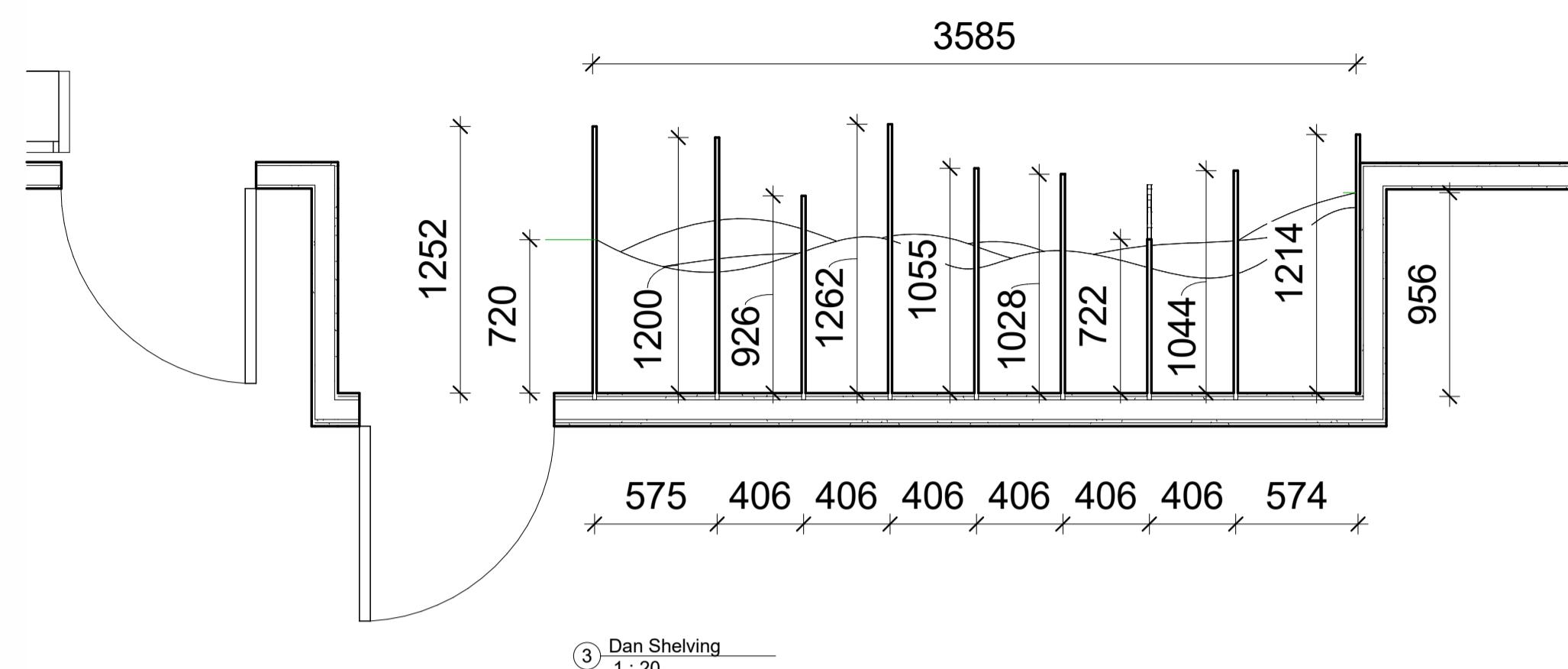
GENERAL NOTES

- ALL CALCULATION ON DRAWING ARE FOR ONE TREE ONLY
- CONTRACTOR TO COORDINATE WITH ELECTRICAL FOR OUTLET INSTALLATION ON TOP OF THE TRUNK
- ALL LEAFS TO RECEIVE A #1- 1/8 EYE SCREW
- PROVIDE AND TURN OVER TO OWNER 400, 2-INCH SCREW HOOK
- TREE MATERIAL: MAPLE WITH CLEAR FINISH

Acoustic Tree



② DEN SHELVING FRONT



④ Dens Shelving Section
1:20



① DEN SHELVING

GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE BEFORE FABRICATION
2. DUE TO DIFFERENT FRONT CURBING AT THE PANEL FRONT EDGE, ESTIMATE ALL VERTICAL PANELS TO BE 38 ft2.
3. ALL HORIZONTAL PANELS TO BE 37 ft2
4. SHELVING FINISH TO MATCH EXISTING ARCHITECTURAL WOOD FINISH (MAPLE)
5. FINAL DESIGN OF THE FRONT EDGE OF EACH PANEL WILL BE COORDINATED WITH THE CONTRACTOR AT THE SHOT DRAWING STAGE

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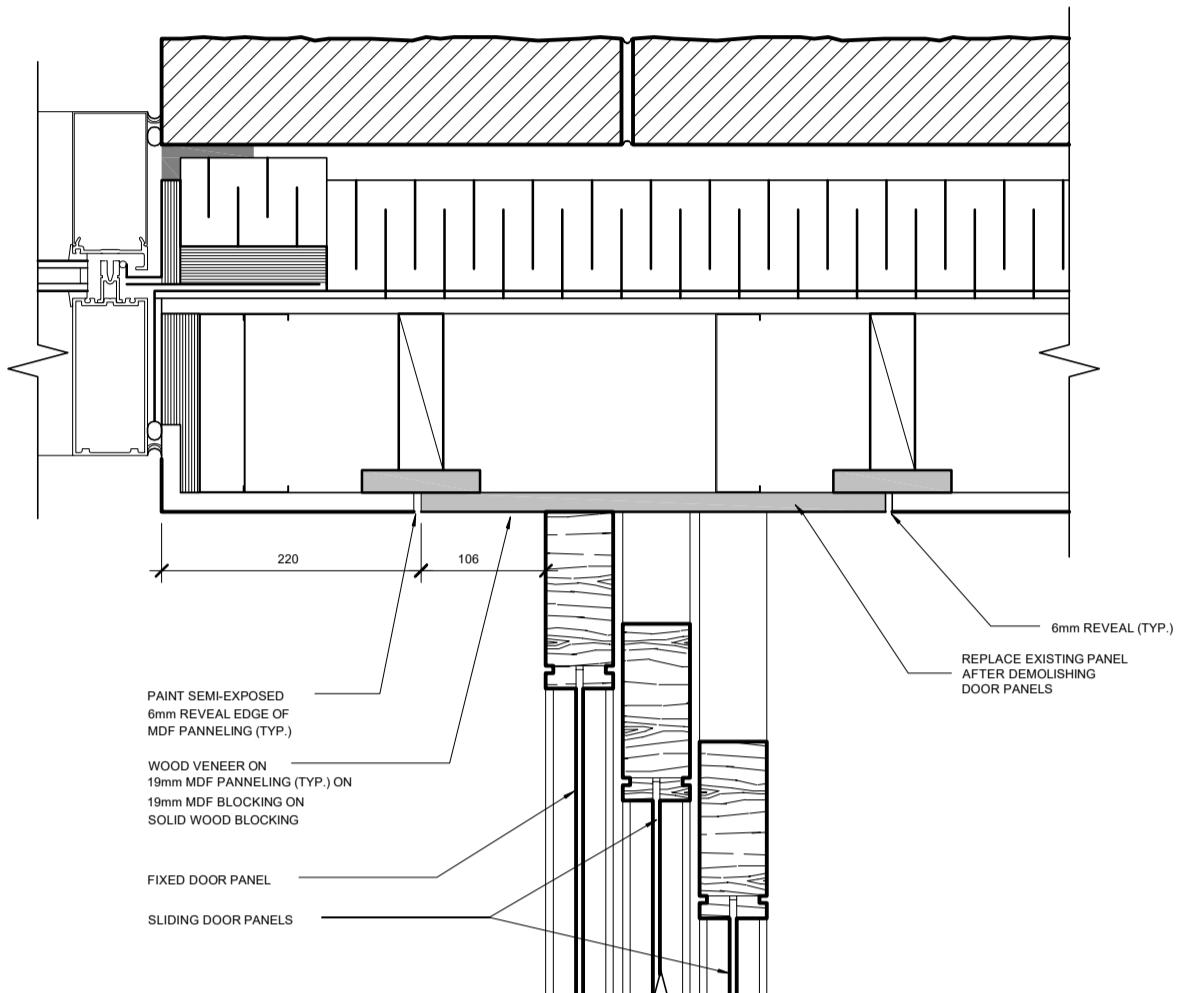
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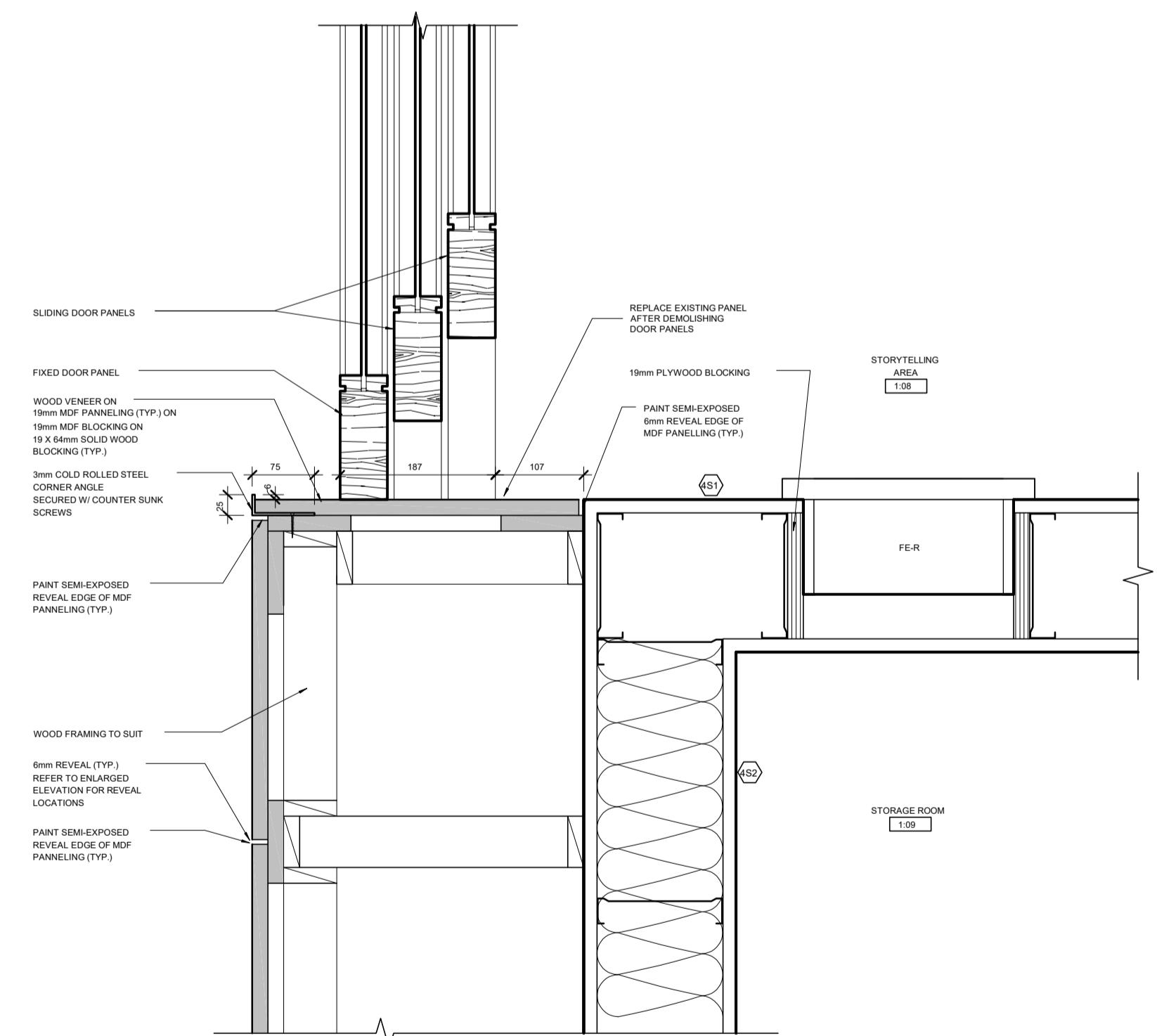
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Den Shelving



14 STACKING DOOR JAMB WEST
N.T.S.



11 STACKING DOOR END DETAIL
N.T.S.

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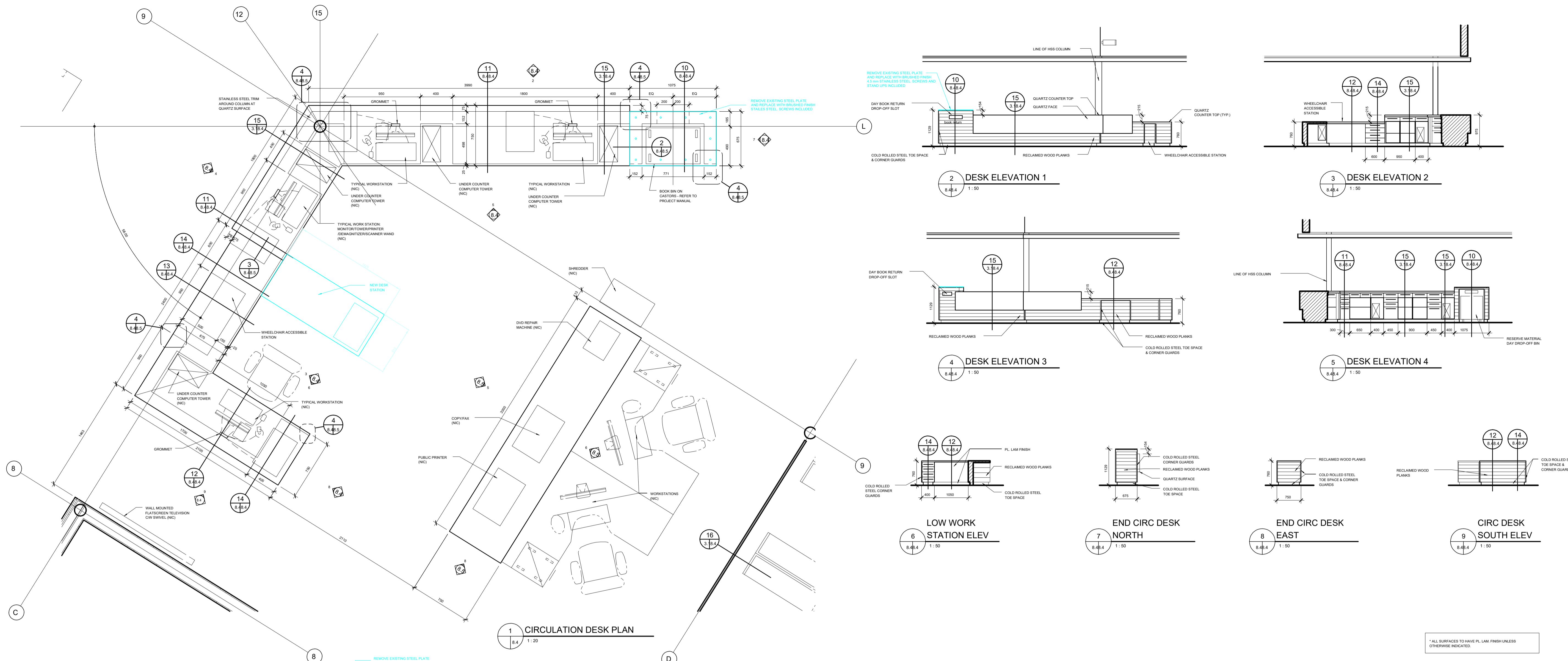
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Plan Details



FALL SURFACES TO HAVE PL. LAM. FINISH UNLESS OTHERWISE INDICATED

DRAWING NOTES (CONTINUED)

DEMOLITION SCOPE
NEW CONSTRUCTION SCOPE
EXISTING

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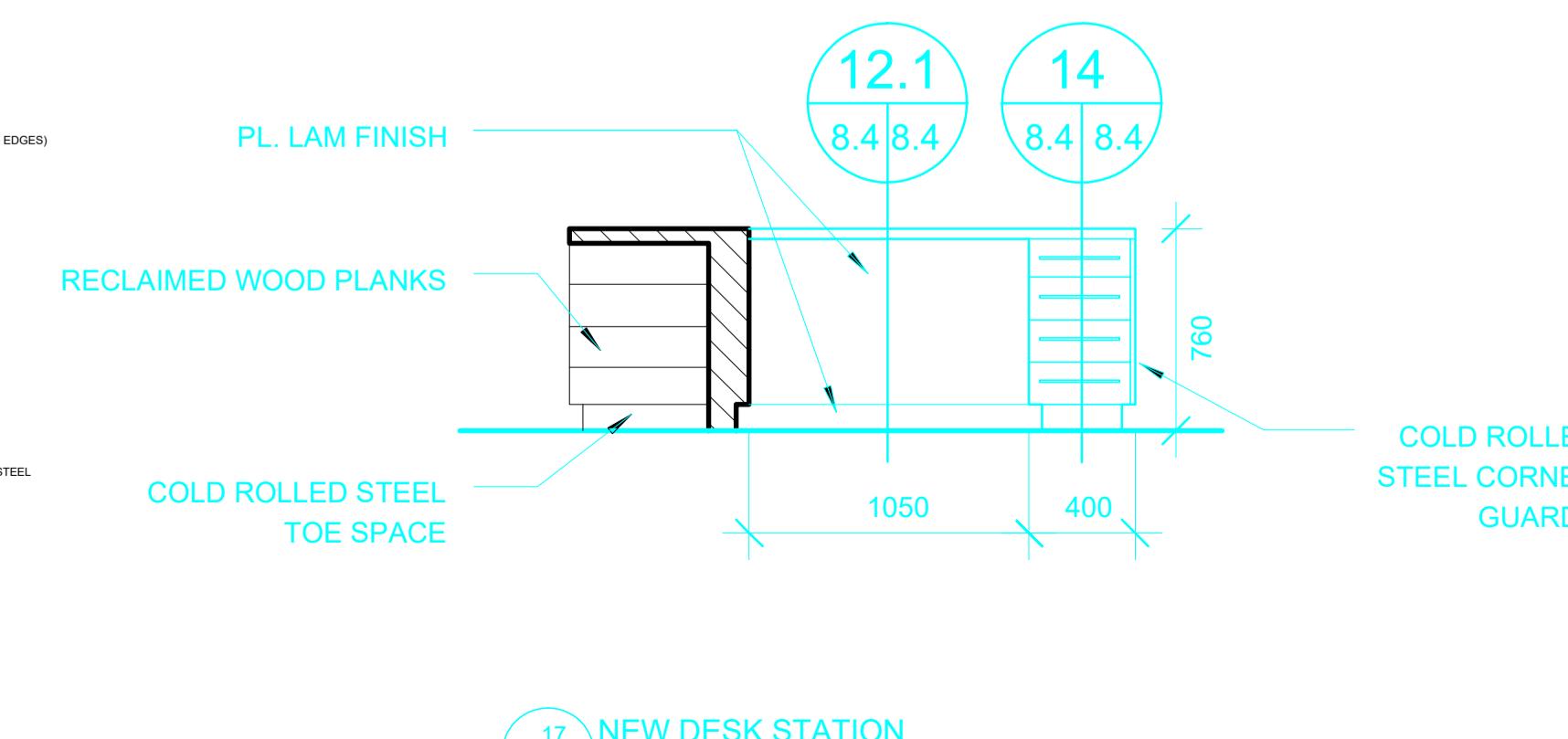
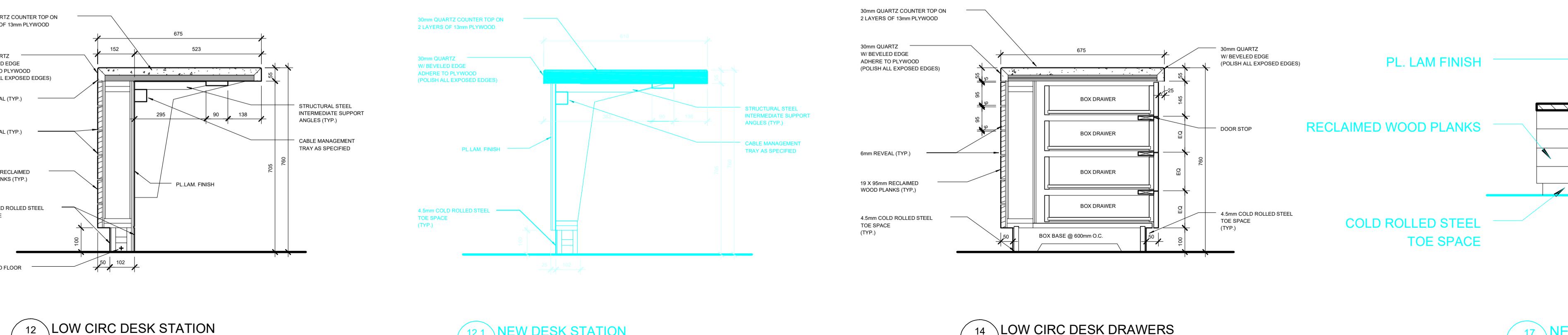
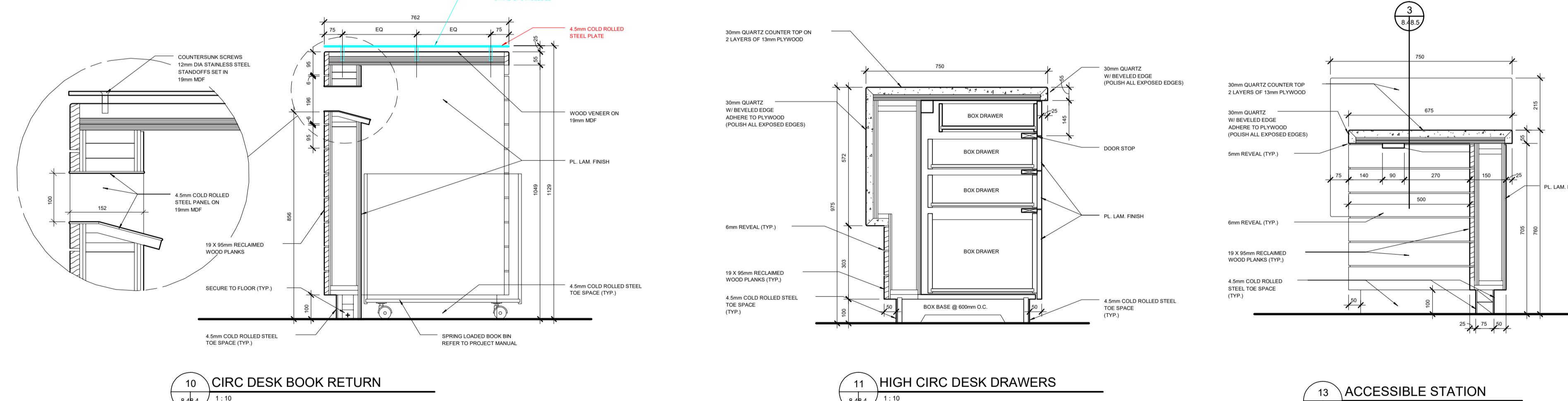
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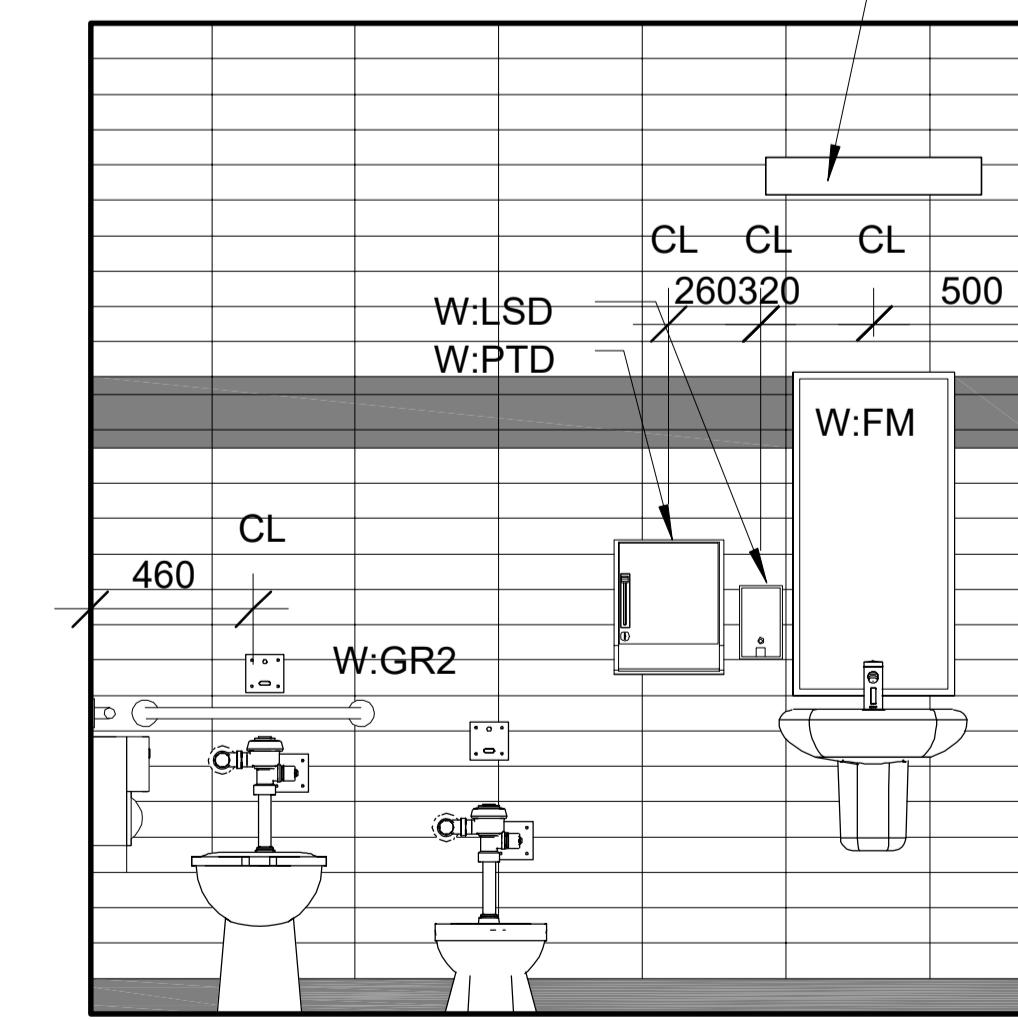
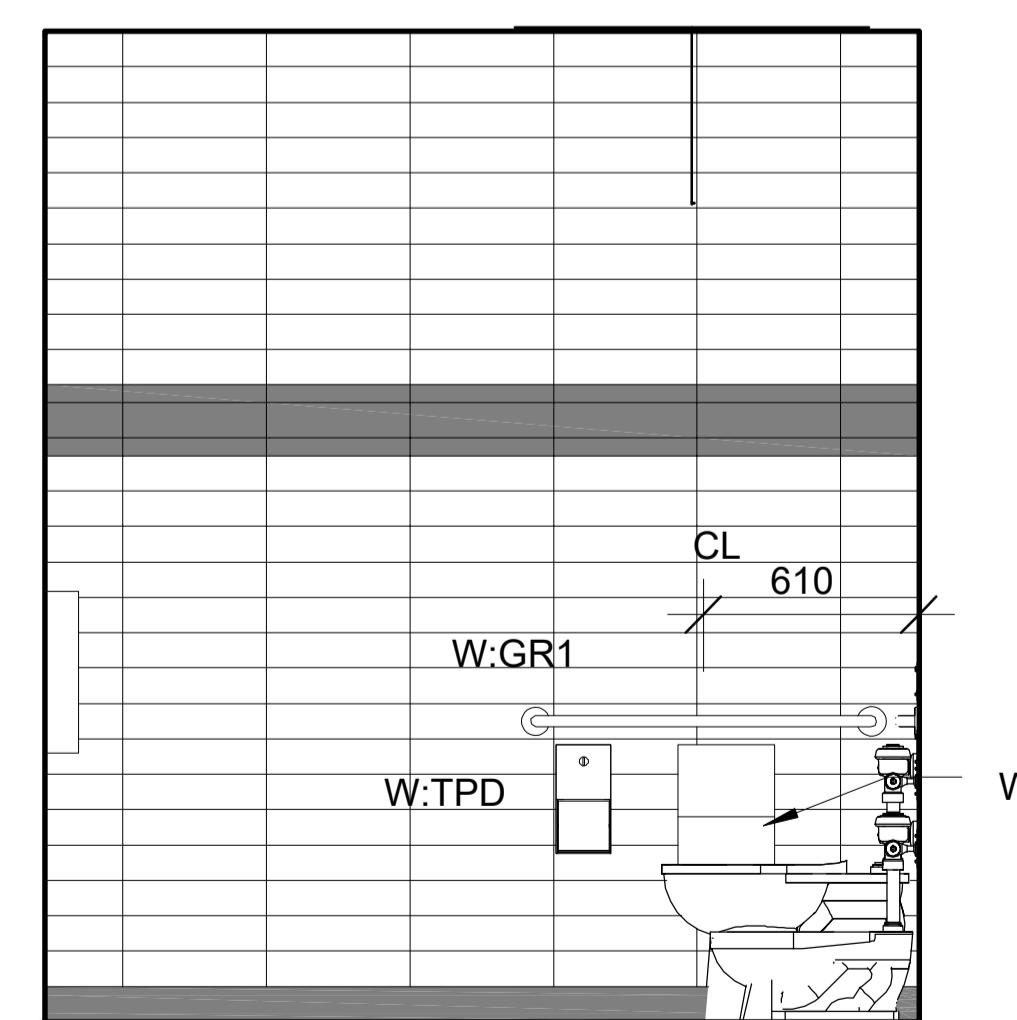
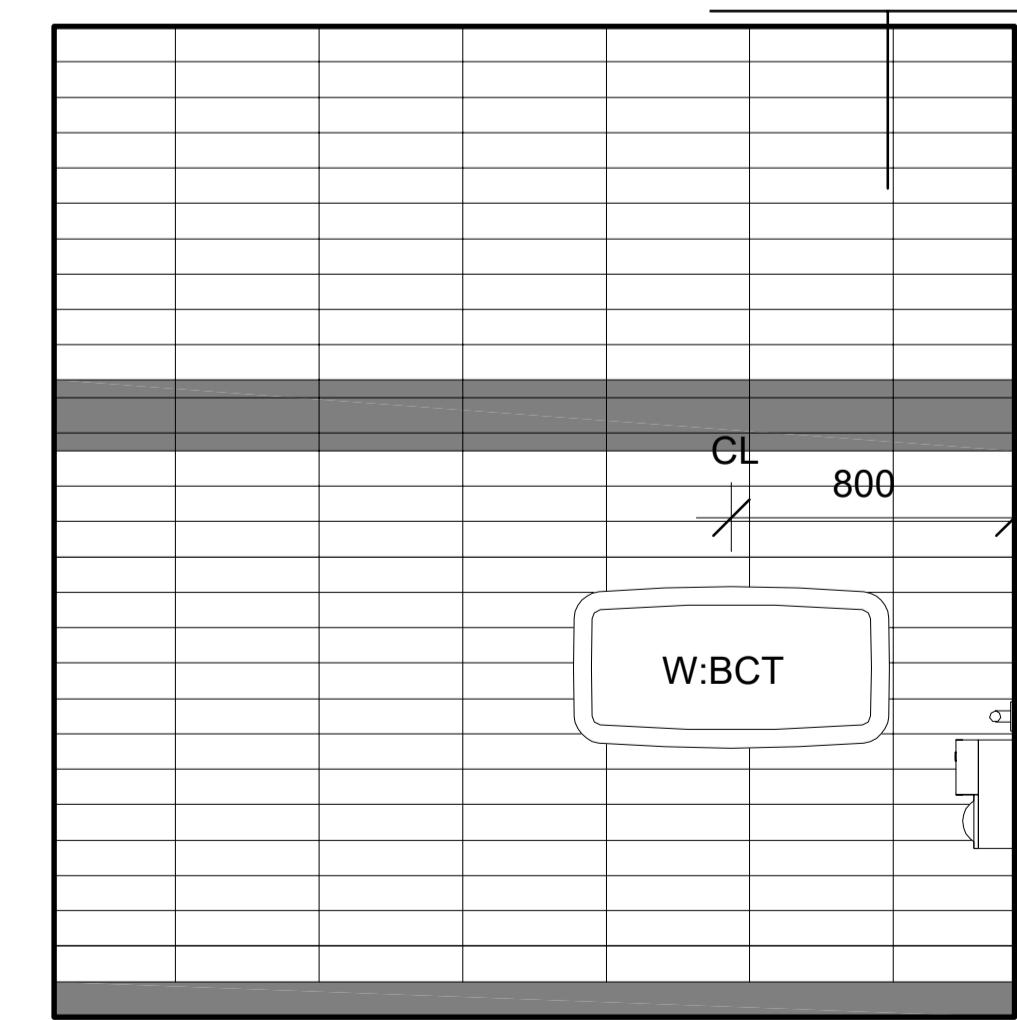
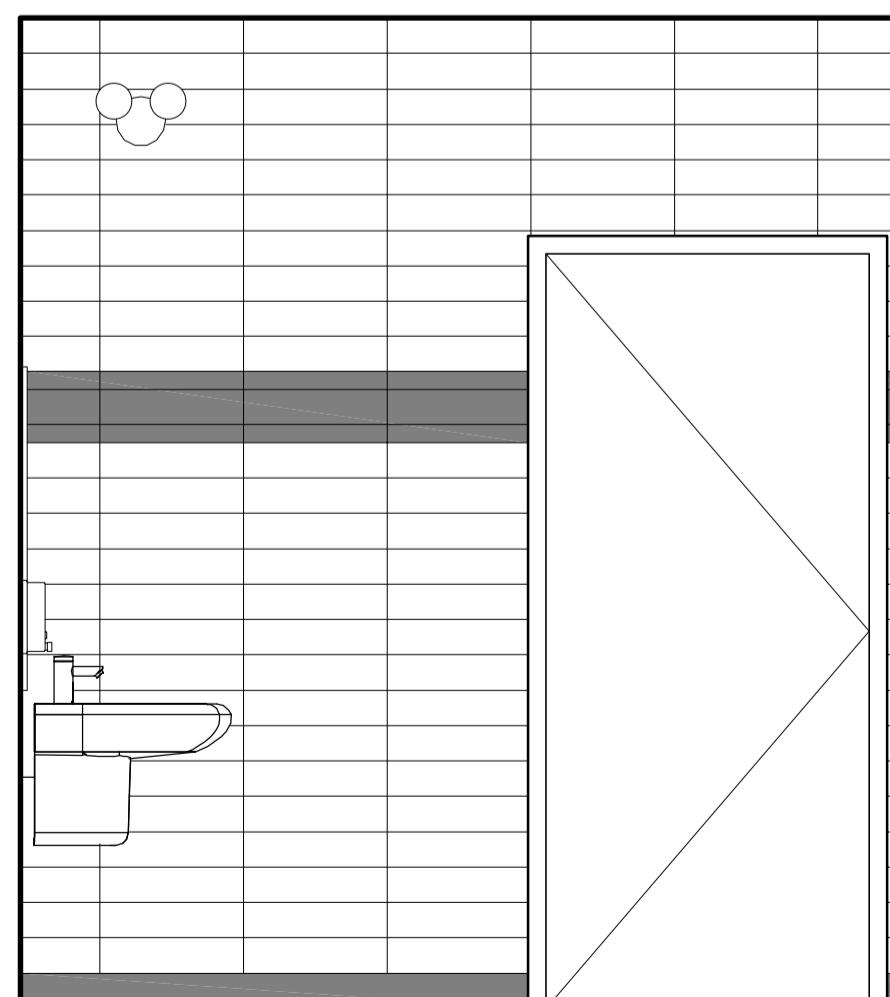
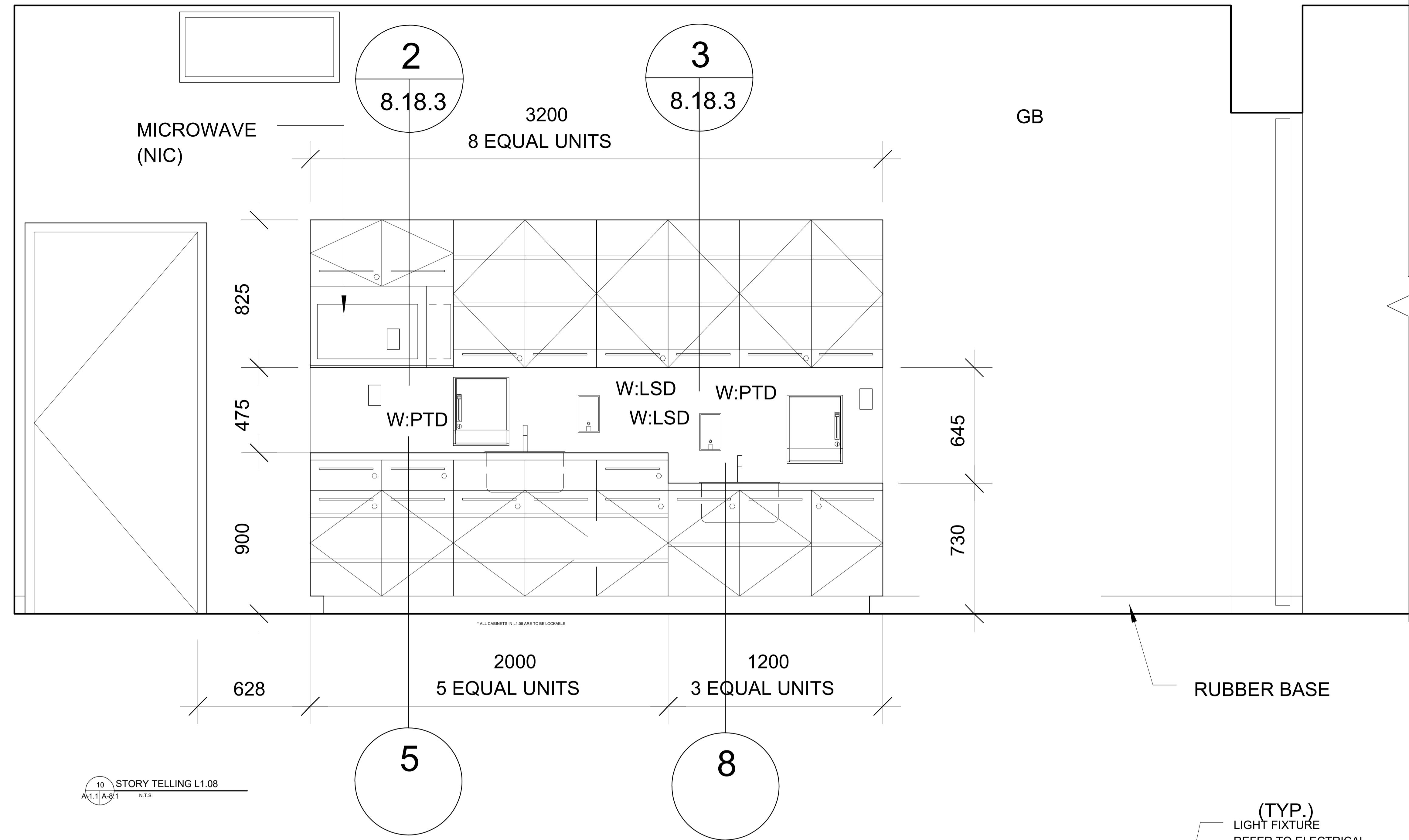
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Circulation Desk

Comm. No.:

A8.1





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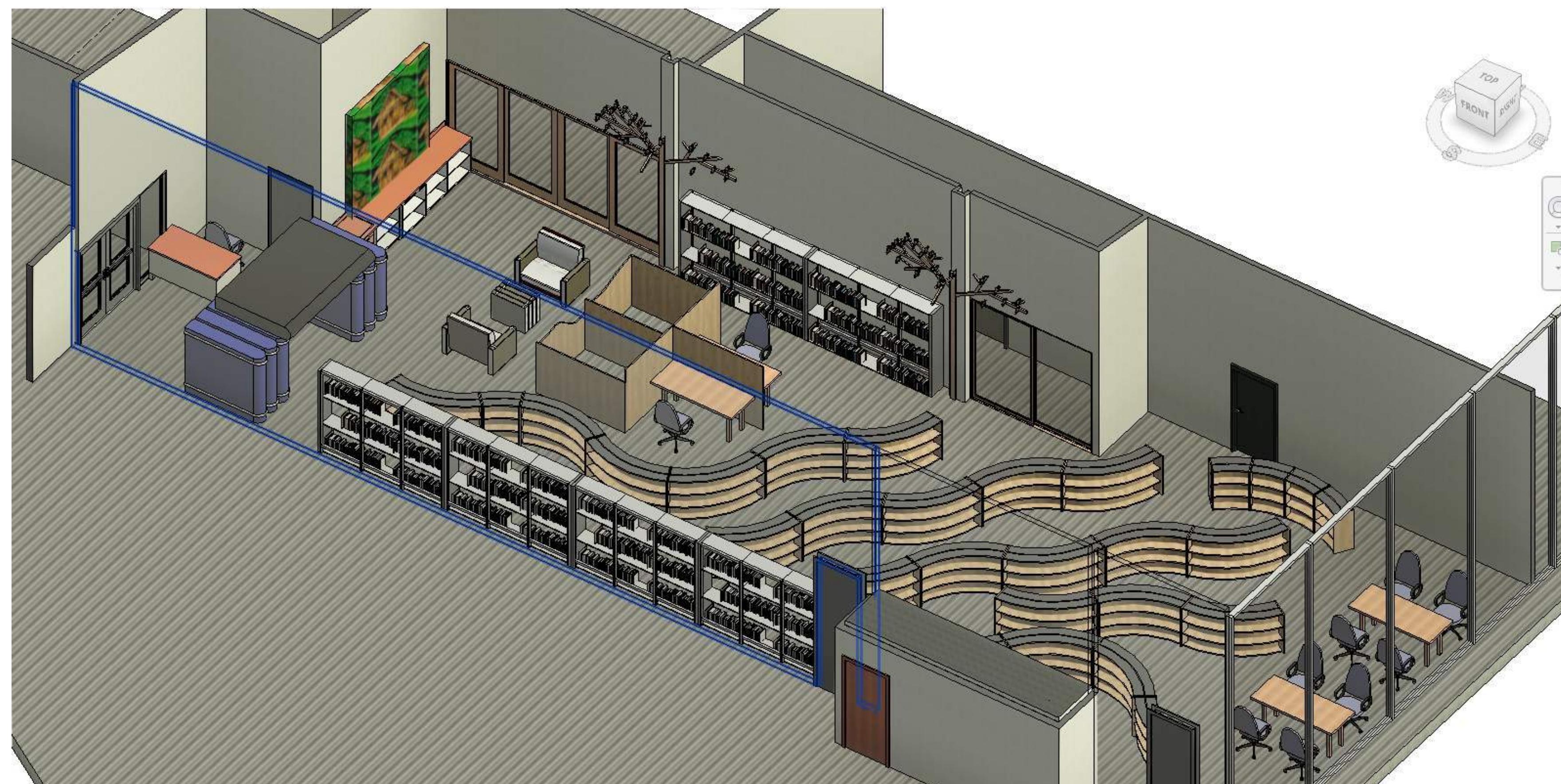
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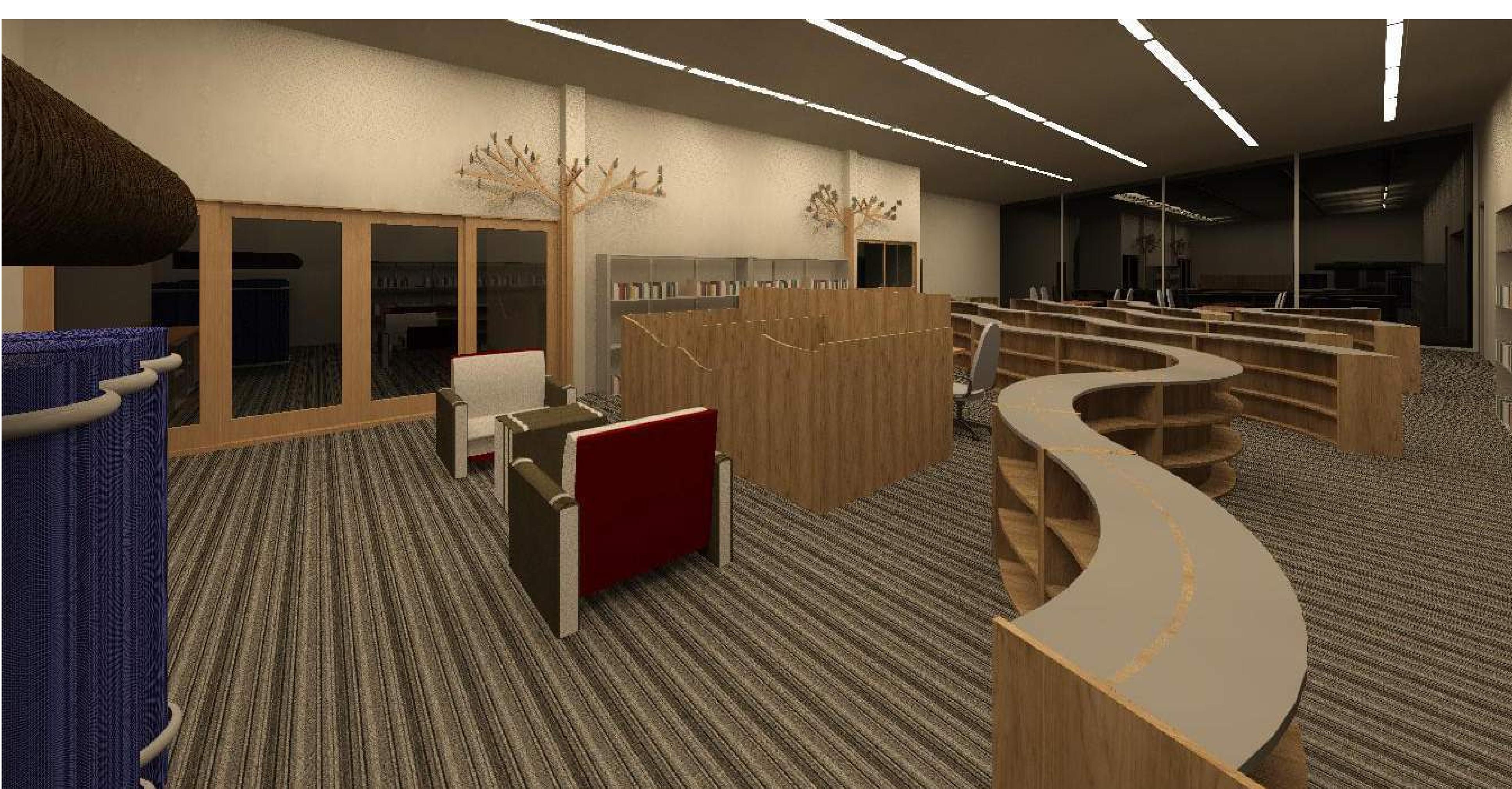
Interior Elevations



③ 3D View 9.1
1:1



⑥ 3D View 9.1
1:1



⑤ 3D View 8.1
1:1



⑧ 3D View 13.2
1:1



⑦ 3D View 13.1
1:1

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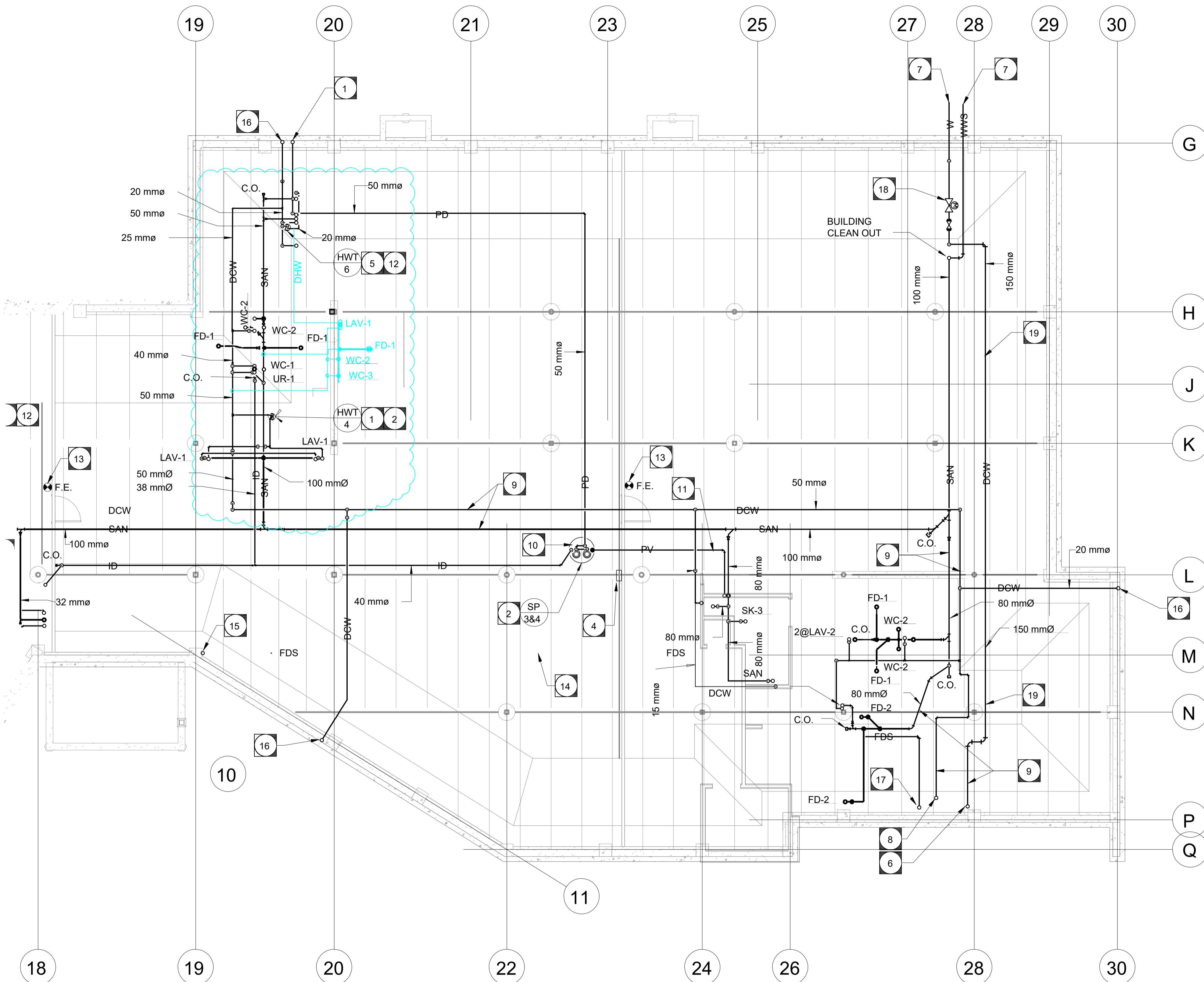
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FURNITURE BOOK SHELF



GENERAL NOTES:

1. BIDDERS MUST EXAMINE THE SITE & EXISTING CONDITIONS AFFECTING THE PROJECT. EXAMINE THE COMPLETE SET OF CONTRACT DOCUMENTS TO ENSURE THAT THE WORK CAN BE CARRIED OUT WITHOUT HARM TO THE PROPERTY OR TO THE INTEGRITY OF THE DOCUMENTS. NO FUTURE ALLOWANCE WILL BE MADE FOR CHANGES UNLESS THE ENGINEER HAS BEEN NOTIFIED IN WRITING OF THE CHANGES & THEIR INTERFERENCES, PRIOR TO THE CLOSE OF TENDERS. NO ALLOWANCE WILL BE MADE FOR ITEMS THAT SHOULD HAVE BEEN NOTED DURING A PRE-TENDER SITE INSPECTION.
2. THE LOCATION, ROUTING & ELEVATION OF ALL NEW AND EXISTING SERVICES & UTILITIES AS SHOWN ON THE DRAWINGS ARE TO BE CONSIDERED AS APPROXIMATIONS ONLY. VERIFY EXACT LOCATIONS, ROTATIONS & ELEVATIONS OF SERVICES PRIOR TO COMMENCING WORK. & ASSUME RESPONSIBILITY FOR LAYING OUT ALL WORK. THE CONTRACTOR SHALL RETAIN RESPONSIBILITY FOR ANY DAMAGE TO EXISTING SERVICES & UTILITIES.
3. MECHANICAL CONTRACTOR SHALL VERIFY EXACT LOCATION, CONNECTIONS & INVERTS, ETC. PRIOR TO TENDER CLOSE AND COMMENCEMENT OF WORK.
4. FOR SANITARY PIPE 100mmØ (4") AND UP, THE PIPE IS TO SLOPE 1% UNLESS OTHERWISE NOTED. FOR SANITARY PIPE < 100mmØ (4") THE PIPE SHALL SLOPE @ 2%.
5. MECHANICAL CONTRACTOR TO ENSURE THAT CLEANOUTS ARE ACCESSIBLE.
6. MECHANICAL CONTRACTOR SHALL REFER TO ALL APPROPRIATE STRUCTURAL, ELECTRICAL, EQUIPMENT SUPPLIER, SHOP DRAWINGS, ETC. FOR EXACT LOCATIONS OF ALL FIXTURES, EQUIPMENT, ETC.
7. ALL PLUMBING INSTALLATIONS, ETC. SHALL BE PERFORMED IN ACCORDANCE WITH ALL CODES, REGULATIONS & AUTHORITIES HAVING JURISDICTION.
8. ALL VENT PIPING TO BE INSTALLED AS PER CODE.
9. SHUTOFF VALVES & PARTITION STOPS TO BE INSTALLED ON ALL LINES SERVING FIXTURES & EQUIPMENT.
10. MECHANICAL CONTRACTOR TO PROVIDE ROUGH-IN FOR OWNER SUPPLIED EQUIPMENT. FINAL CONNECTION TO BE BY OWNER, UNLESS NOTED OTHERWISE.
11. THE SPURS INDICATE APPROXIMATE LOCATION OF SOME EXISTING MECHANICAL SERVICES ALLOWED FOR ALL NECESSARY RELOCATION OF SERVICES TO ACCOMMODATE THE NEW WORK.
12. COORDINATE PLUMBING WITH DUCT RUNS, HYDRONIC PIPING, & ALL OTHER TRADES.
13. PROVIDE ISOLATION VALVES AT BASE OF EACH RISER & AT EACH FIXTURE.
14. DOMESTIC WATER RUN CUTS SHALL BE 13mm (1/2") UNLESS NOTED OTHERWISE.
15. THE MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL REQUIRED TRAP PRIMERS, AS PER CODE.

No.	Date	Issue / Revision	By
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Printing Date:	NOV. 19, 2024		

No.	Date	Issue / Revision	By
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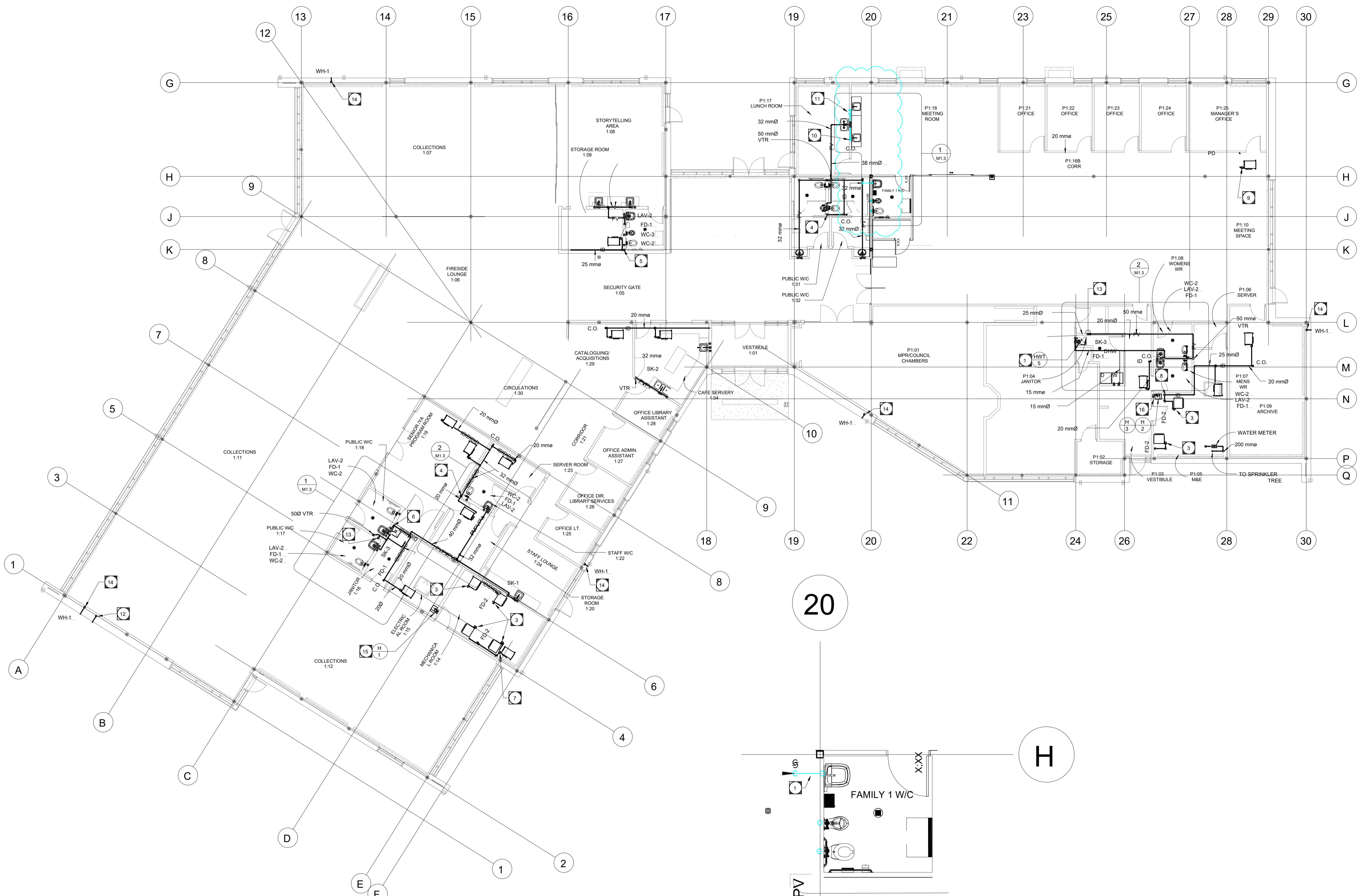


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DRAWING NOTES (CONTINUED)

- DEMOLITION SCOPE
- NEW CONSTRUCTION SCOPE



GENERAL NOTES:

- BIDDERS MUST EXAMINE THE SITE & EXISTING CONDITIONS AFFECTING THE PROJECT. EXAMINE THE COMPLETE SET OF CONTRACT DOCUMENTS TO ENSURE THAT THE WORK CAN BE CARRIED OUT WITHOUT SIGNIFICANT CHANGES TO THE INTENT OF THE DESIGN. NO CHANGES ALLOWED UNLESS MADE BY THE ENGINEER. UNLESS THE ENGINEER HAS BEEN NOTIFIED IN WRITING OF ANY DISCREPANCIES OR INTERFERENCES, PRIOR TO THE CLOSE OF TENDER, THE CONTRACTOR SHALL BE MADE FOR ITEMS THAT SHOULD HAVE BEEN NOTED DURING A PRE-TENDER SITE INSPECTION.
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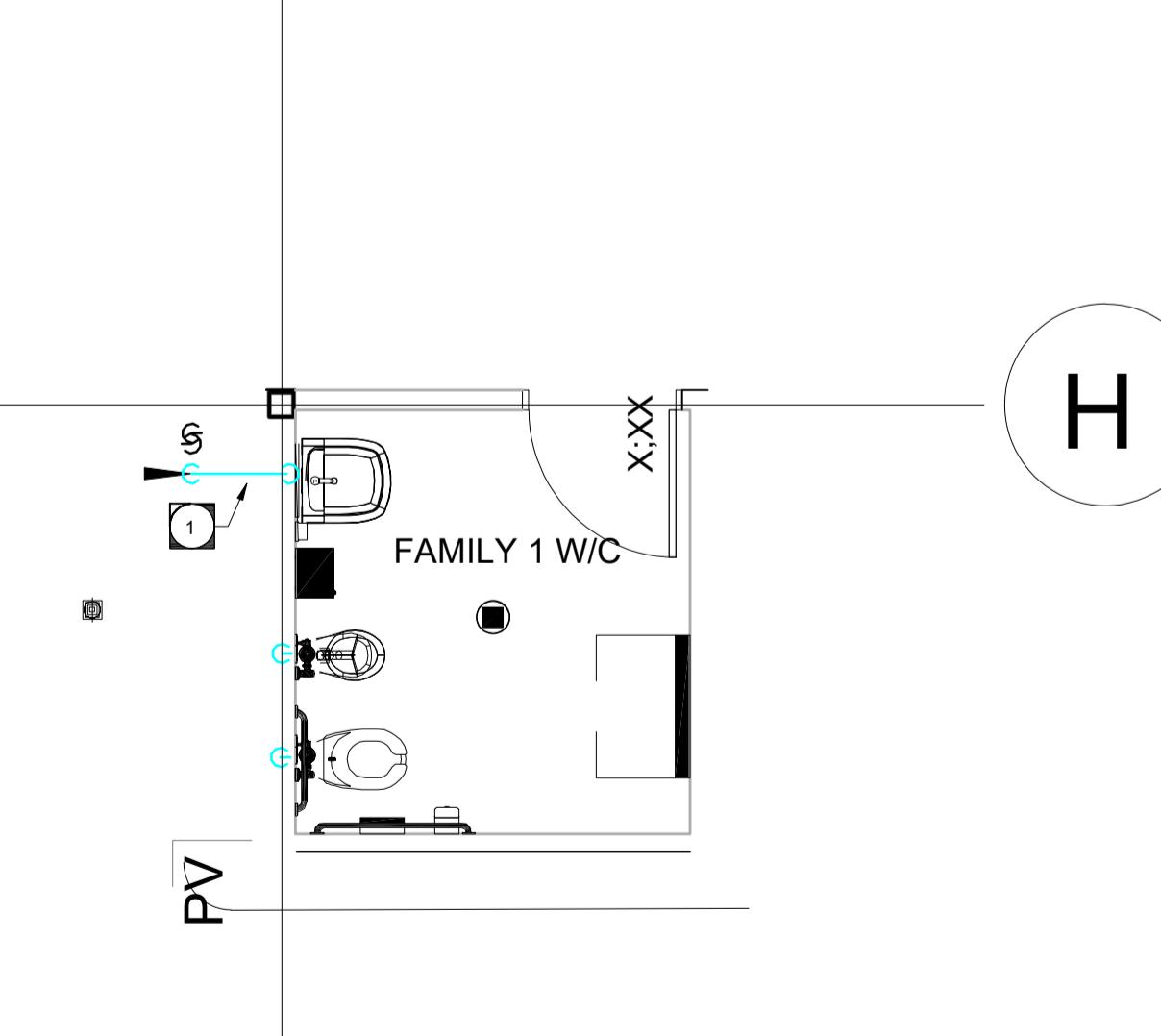
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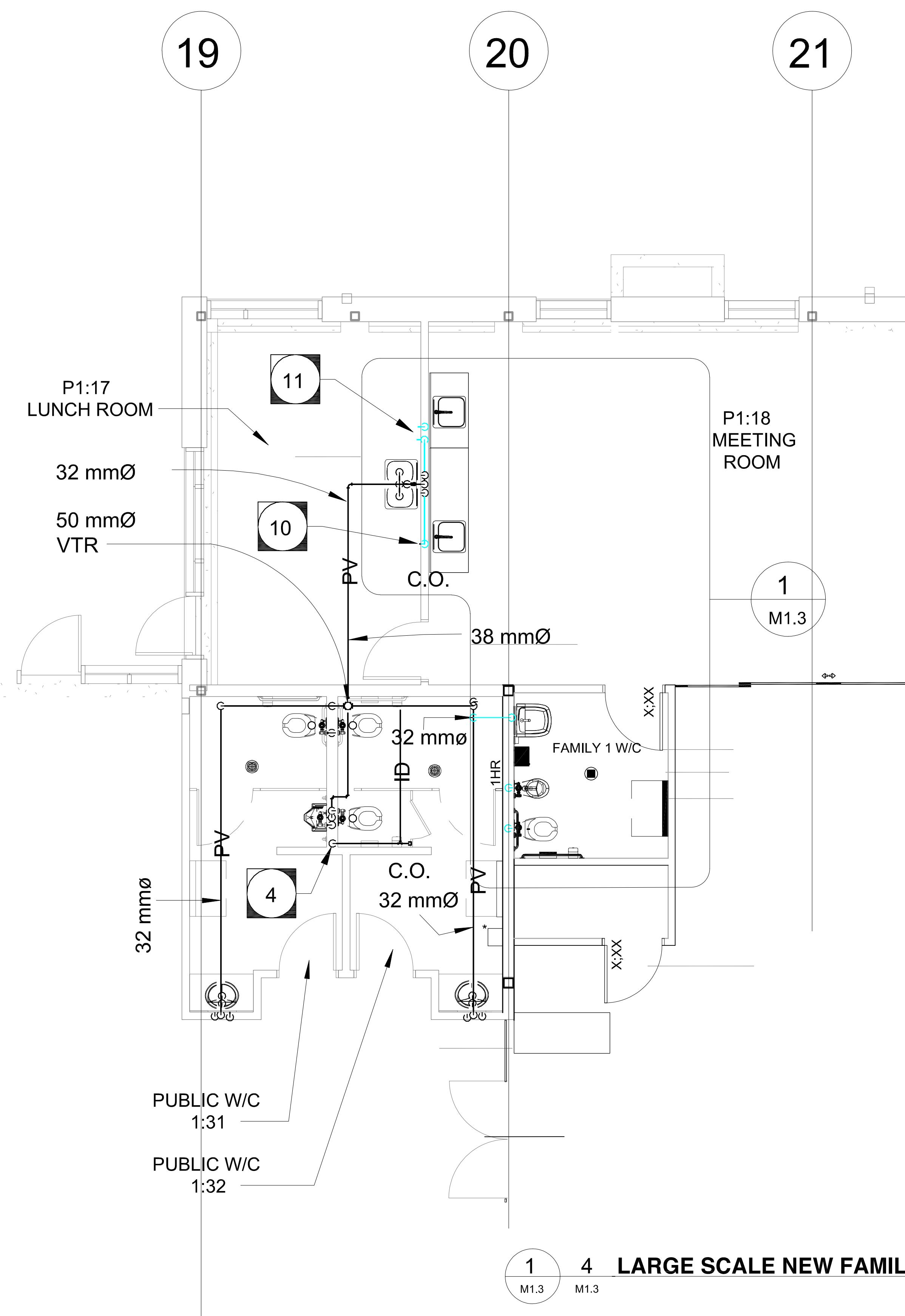
DRAWING NOTES:

- 1 PROVIDE DRAIN PIPE FOR NEW WASHROOM EQUIPMENT.

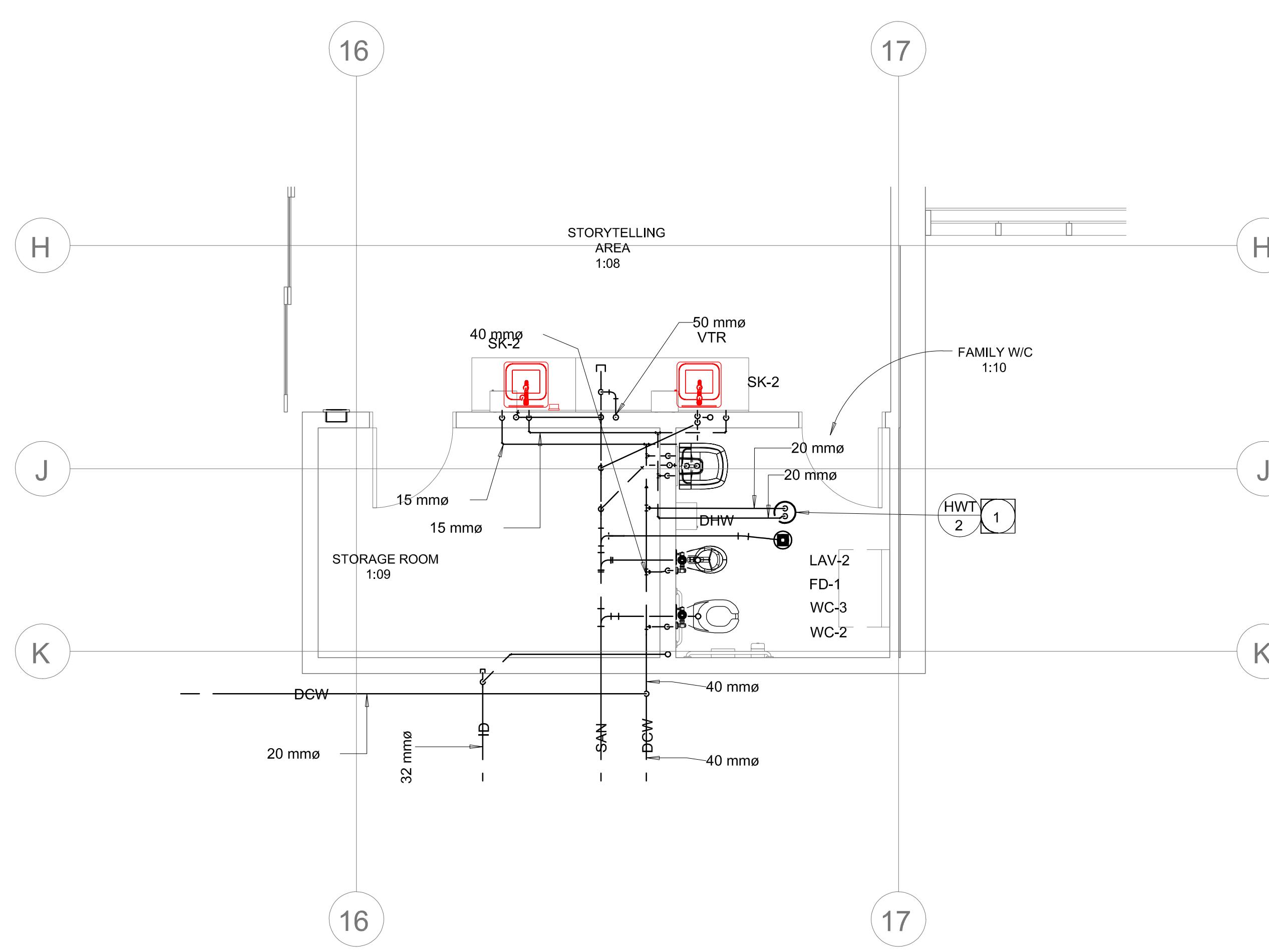
MECHANICAL - MAIN FLOOR PLAN - PLUMBING & DRAINAGE

Comm. No.: x24-25

Sheet: M1.2



1 4 **LARGE SCALE NEW FAMILY WASHROOM PLAN - PLUMBING**



4 **LARGE SCALE OLD FAMILY WASHROOM PLAN - PLUMBING**

GENERAL NOTES:

1. BIDDERS MUST EXAMINE THE SITE & EXISTING CONDITIONS AFFECTING THE PROJECT. EXAMINE THE COMPLETE SET OF CONTRACT DOCUMENTS TO ENSURE THAT THE WORK CAN BE CARRIED OUT WITHOUT SIGNIFICANT CHANGES TO THE INTENT OF THE DOCUMENTS. NO FUTURE ALLOWANCE WILL BE MADE FOR CHANGES UNLESS THE ENGINEER HAS BEEN NOTIFIED IN WRITING OF ANY DISCREPANCIES OR INTERFERENCES, PRIOR TO THE CLOSE OF TENDERS. NO ALLOWANCE WILL BE MADE FOR ITEMS THAT SHOULD HAVE BEEN NOTED DURING A PRE-TENDER SITE INSPECTION.
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15. THE MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL REQUIRED TRAP PRIMERS, AS PER

DRAWING NOTES:

HOT WATER TANK (HWT) LOCATED IN CRAWLSPACE SHOWN FOR INFORMATION ONLY. REFER TO CRAWLSPACE PLUMBING PLAN.

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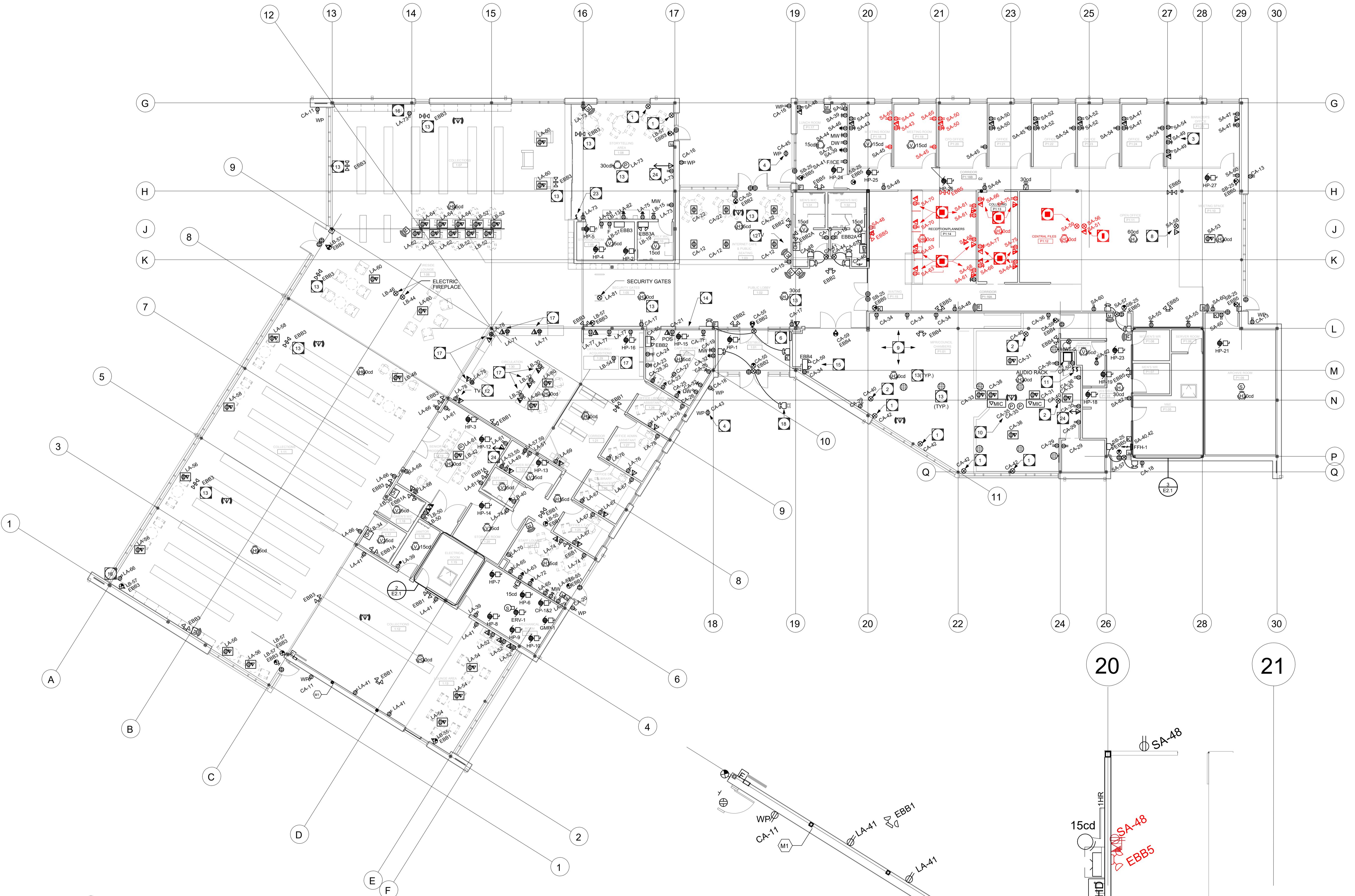
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DRAWING NOTES (CONTINUED)

 DEMOLITION SCOPE
 NEW CONSTRUCTION SCOPE

MECHANICAL - LARGE SCALE PLAN - PLUMBING



DRAWING NOTES (CONTINUED)

- 7 PROVIDE 1 CIRCUIT AND 4 DATA DROPS THROUGH FURNITURE WHIP CONNECTIONS TO 2 DESKS. COORDINATE WITH FURNITURE PROVIDER.
- 17 MOUNT OUTLET/RECEPTACLE IN MILLWORK. COORDINATE WITH ARCHITECTURAL.
- 20 PROVIDE 1 CIRCUIT THROUGH FURNITURE WHIP CONNECTION TO PARTITION.
- 22 PROVIDE SEPARATE CIRCUITS FROM RED BREAKER FOR CO PANEL AND FACP.

2 Enlarged Plan - RRNRRL Electrical Room
E2.1 1:50

3 Enlarged Plan - NEW FAMILY WASHROOM
E2.1 1:50

DRAWING NOTES

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GENERAL NOTES

- WHERE ELECTRICAL EQUIPMENT IS INSTALLED IN FURNITURE OR MILLWORK, COORDINATE LOCATION WITH ARCHITECTURAL PRIOR TO ROUGH-IN.

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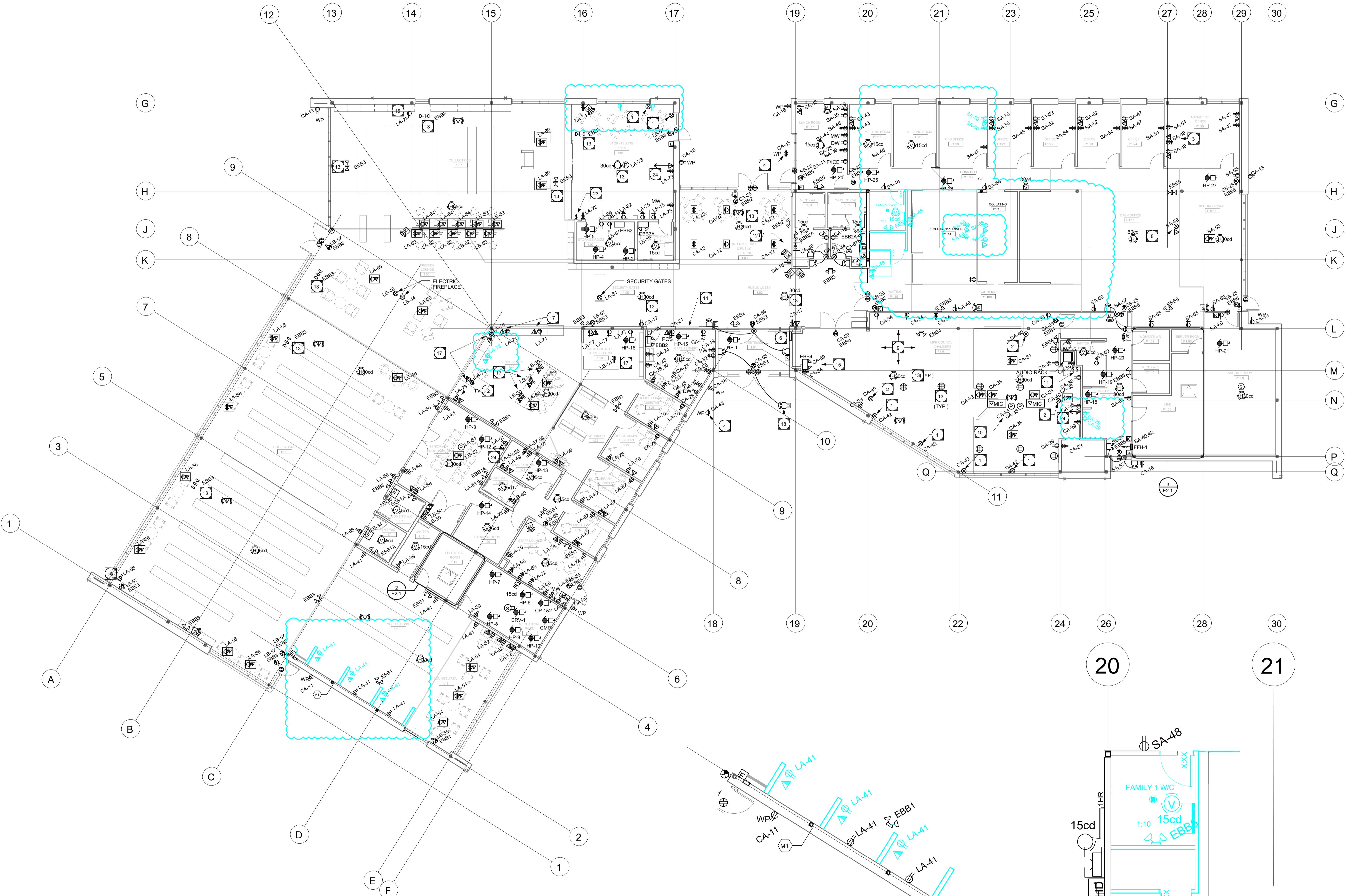


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ELECTRICAL POWER & SYSTEMS PLAN - MAIN FLOOR DEMO

Comm. No.: X24-25 Sheet: E1.1



2 Enlarged Plan - RRNRRL Electrical Room
E2.1 1:50

3 Enlarged Plan - NEW FAMILY WASHROOM
E2.1 1:50

DRAWING NOTES

- 7 PROVIDE 1 CIRCUIT AND 4 DATA DROPS THROUGH FURNITURE WHIP CONNECTIONS TO 2 DESKS. COORDINATE WITH FURNITURE PROVIDER.
- 17 MOUNT OUTLET/RECEPTACLE IN MILLWORK. COORDINATE WITH ARCHITECTURAL.
- 20 PROVIDE 1 CIRCUIT THROUGH FURNITURE WHIP CONNECTION TO PARTITION.
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GENERAL NOTES

- 1. WHERE ELECTRICAL EQUIPMENT IS INSTALLED IN FURNITURE OR MILLWORK, COORDINATE LOCATION WITH ARCHITECTURAL PRIOR TO ROUGH-IN.

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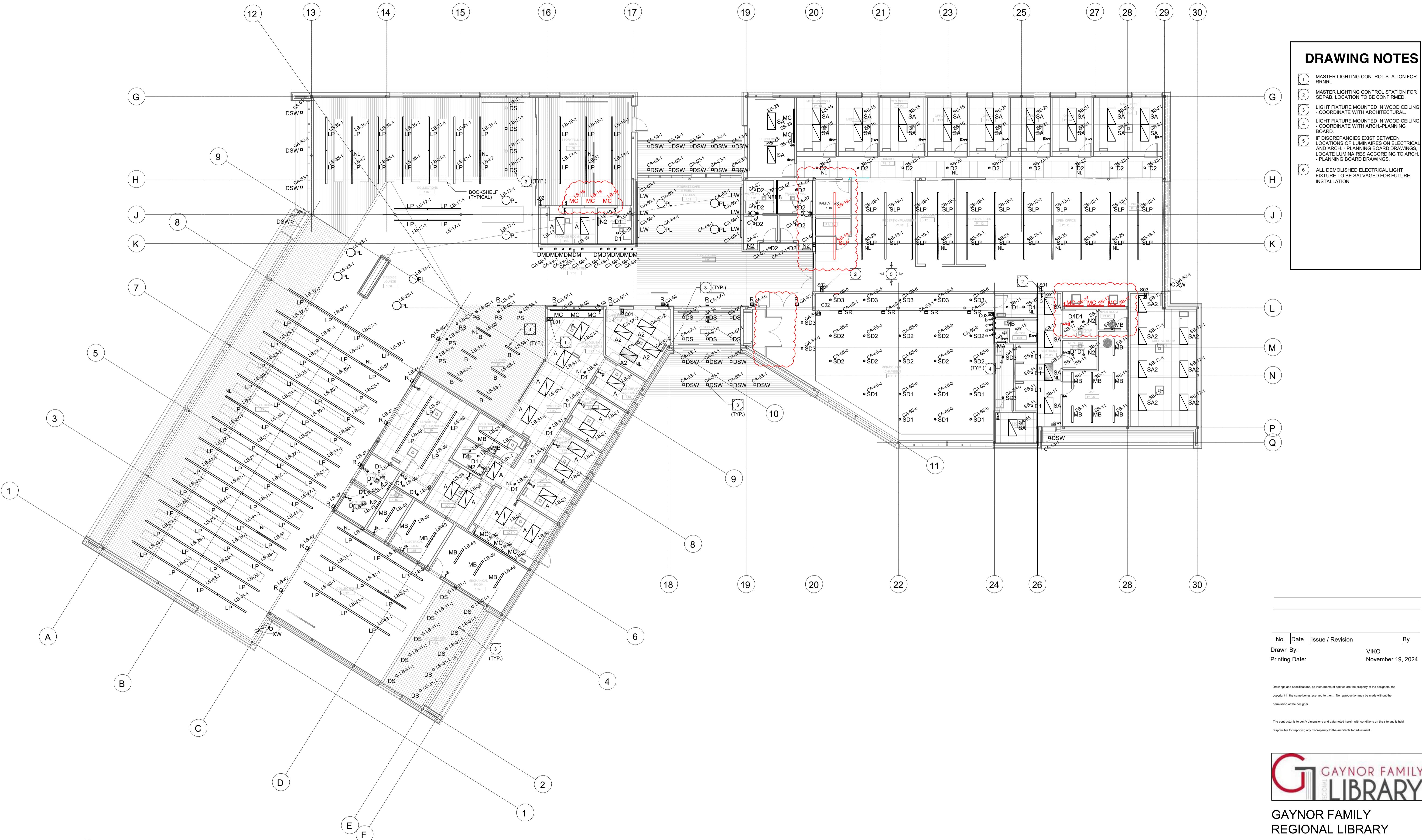


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ELECTRICAL POWER &
SYSTEMS PLAN - MAIN
FLOOR DEMO

Comm. No.: X24-25 Sheet: E1.2



1 LIGHTING PLAN - MAIN FLOOR
E1.1 1:100

DRAWING NOTES (CONTINUED)

DEMOLITION SCOPE
NEW CONSTRUCTION SCOPE



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ELECTRICAL LIGHTING
PLAN - MAIN FLOOR
DEMOLITION

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LUMINAIRE SCHEDULE

Type	Manufacturer	Model	Lamp No.	Lamp	Voltage	Mounting	Description	Comments	Load
A	Lightolier	Alter Concept Elegance	2	54W T5HO	120 V	R	2' x 4'		120 VA
A2	CFI	AA8-2-G-FS-VB-2-54-120	2	54W T5HO	120 V	R	2' x 4' Lensed Troffer		120 VA
B	3G	Linia 3G-PLI-48-F54HO-120-E-T1-DD	1	54W T5HO	120 V	R/P	4' Linear Pendant w/ Drop Down Lense		60 VA
D1	Lytecaster	1001FR26U / 1001HCDP	1	13W CF	120 V	R	Downlight		13 VA
D2	Lytecaster	1001FR26U / 1001HCDP	1	26W CF	120 V	R	Downlight		26 VA
DM	GVA	KRN4-WT-4-1V-3500K-H3-MB-ND	1	LED	120 V	R	Mini Downlight		5 VA
DS	Intense Lighting	RP45-1300-358-ICS432-W-SF-PR	1	LED	120 V	R	4" Square Downlight		18 VA
DSW	Intense Lighting	RP45-1300-358-ICS432-W-SF-PR	1	LED	120 V	R	4" Square Downlight, Wet Location		18 VA
LP	Ledalite	Verge 7606-F02-Q-G-8-1-120-E	4	28W T5	120 V	AC	Linear Fluorescent Direct-Indirect - 8'		120 VA
LW	Lightolier	USL4-12-M-H1-B-N-A	1	54W T5HO	120 V	W	Wall-mounted task light		54 VA
MA	Canlyte CFI	SV-2-S-2-24-120 C/W WIRE GUARD	2	24W T5HO	120 V	W	Strip Light C/W Wire Guard		50 VA
MB	Canlyte CFI	SV-4-S-2-54-120 C/W WIRE GUARD	2	54W T5HO	120 V	CH/S	Strip Light C/W Wire Guard		120 VA
MC	Canlyte CFI	TCU-32-W-120-SO	1	28W T5	120 V	V	Undercabinet Strip Light		32 VA
N2	3G	Linia 3G-WL1-24-F24HO-120-E-T2-DD	2	24W T5HO	120 V	W	Vanity Light - 2'		48 VA
N8	3G	Linia 3G-WL1-96-2F54HO-120-E-T2-DD	4	54W T5HO	120 V	W	Vanity Light - 8'		216 VA
PL	G Lighting	GL-2292-4CF50-A	4	50W-2G11	120 V	P	Decorative Large Pendant	Custom Height	200 VA
PS	Bruck	Ledra Chroma II 137-215-MC-MP C/W POWER SUPPLY	1	LED	120 V	P	Pendant Small Downlight	C/W Power Supply	8 VA
Q	[Generic]	Keyless Lampholder	1	23W CF MB	120 V	S	Keyless Lampholder, medium base		23 VA
R	Insight	Tiempo TM527-WCB-1-120	1	150W CMH	120 V	W	Asymmetric Uplight		84 VA
SA	Lightolier	Alter Concept Elegance	2	54W T5HO	120 V	R	2' x 4'		120 VA
SA2	CFI	AA8-2-G-FS-VA-2-54-120	2	54W T5HO	120 V	R	2' x 4' Lensed Troffer		120 VA
SD1	Senso Lighting	LETO 680-580-613-60-01-10-LCS	1	LED	120 V	R	Adjustable Downlight	C/W 0-10V Dimming	19 VA
SD2	Senso Lighting	LETO 680-580-613-60-01-20-LCS	1	LED	120 V	R	Adjustable Downlight	C/W 0-10V Dimming	37 VA
SD3	Focal Point	FL4DTZ-13LED-L35-120-R0-T-L4-R0-DN	1	LED	120 V	R	Downlight	C/W 0-10V Dimming	21 VA
SLP	Ledalite	Verge 7606-F02-Q-G-8-1-120-E	4	28W T5	120 V	AC	Linear Fluorescent Direct-Indirect - 8'		120 VA
SR	Insight	Tiempo TM527-WCB-1-120	1	150W CMH	120 V	W	Asymmetric Uplight		84 VA
XB	Intense Lighting	IVB4-LED-6CWST-H1-42	1	LED	120 V	G	Bollard		13 VA
XP2	Lumec	ASA-12817-4K-2-1-S	1	LED	120 V	G	Type 2 Pole Mounted, 25' Mounting Height	C/W Pole	278 VA
XP3	Lumec	ASA-12817-4K-3-1-S	1	LED	120 V	G	Type 3 Pole Mounted, 25' Mounting Height	C/W Pole	278 VA
XU	Philips	eW Burst Compact Powercore Landscape	1	LED	120 V	G	Spotlight	41 Degree Spread	15 VA
XW	Keene	NXFPL-30-40-X-4-LED-A2-1	1	LED	120 V	W	Wall-Mounted Downlight		70 VA

NOTES:
1. ALL FLUORESCENT LAMPS ARE TO BE 3500K AND A MINIMUM 82 CRI UNLESS NOTED OTHERWISE.
2. FINISH AS SELECTED BY INTERIOR DESIGNER.

MOUNTING: S = SURFACE
C = CEILING
R = RECESSED
G = IN-GROUND
W = WALL
V = VALENCE
TB = T-BAR
DW = DRYWALL
CH = CHAIN
P = PENDANT
AC = AIRCRAFT CABLE

EMERGENCY BATTERY BANK SCHEDULE

No.	Manufacturer	Model	Input Volts	Output Volts	⊗	↳	Minimum Wattage x 1.25	VSER CIRCUITS
EBB1	Emergi-Lite	24ESL-550-U	120 V	24 V	3	6	309 W	-
EBB1A	Emergi-Lite	24ESL-200-U-2-H20	120 V	24 V	0	4	200 W	-
EBB2	Emergi-Lite	24ESL-550-U-2-H20	120 V	24 V	3	4	209 W	-
EBB2A	Emergi-Lite	24ESL-144-U-2-H20	120 V	24 V	0	2	100 W	-
EBB3	Emergi-Lite	24ESL-720-U	120 V	24 V	6	12	618 W	-
EBB3A	Emergi-Lite	24ESL-144-U-2-H20	120 V	24 V	0	1	50 W	-
EBB4	Emergi-Lite	24ESL-200-U-2-H20-VSR	120 V	24 V	2	3	156 W	CA-65
EBB5	Emergi-Lite	24ESL-550-U	120 V	24 V	7	7	371 W	-
EBB5A	Emergi-Lite	24ESL-200-U-2-H20	120 V	24 V	0	3	150 W	-
EBB6	Emergi-Lite	24ESL-550-U-2-H20	120 V	24 V	4	3	162 W	-
EBB7	Emergi-Lite	24ESL-550-U-2-H20	120 V	24 V	4	3	162 W	-

NOTES:
⊗ LUMACELL LS-U
↳ LUMACELL MQM-2NG-24V20W-BK

WIRE AND CONNECT AREA LIGHTING CIRCUITS TO VOLTAGE SENSING RELAYS AS SPECIFIED

MOTOR/EQUIPMENT SCHEDULE

Title	Description	Location	kW/HP/Amps	Volts/∅	Circuit	Starter Type	Remarks
CP-1&2	CIRCULATION PUMP	M&E P1:05	15 HP	208/3	CDP2-L-5	VFD	ONLY ONE PUMP RUNS AT ONCE
ERV-1	ENERGY RECOVERY VENTILATOR	MECHANICAL RM L1:14	167.4	208/3	CDP2-L-3		16KW POST-HEAT COIL, 40KW PRE-HEAT COIL
ERV-2	ENERGY RECOVERY VENTILATOR	M&E P1:05	43.8	208/3	SB-2,4,6		4KW POST-HEAT COIL, 11KW PRE-HEAT COIL
ERV-3	ENERGY RECOVERY VENTILATOR	M&E P1:05	43.8 A	208/3	SB-8,10,12		4KW POST-HEAT COIL, 11KW PRE-HEAT COIL
GMP-1	GLYCOL PUMP	M&E P1:05	1/3 HP	120/1	LB-1		
H-1	HUMIDIFIER	ELECTRICAL RM L1:15	28.1 KW	208/3	CDP2-L-4		
H-2	HUMIDIFIER	M&E P1:05	7.5 KW	208/1	SA-35,37		
H-3	HUMIDIFIER	M&E P1:05	7.5 KW	208/1	SA-36,38		
HP-1	HEAT PUMP	VESTIBULE L1:01	16.8 A	208/3	LA-1,3,5		PROVIDE CIRCUIT FOR AUX. HEATER. 60A, 2-POLE. FEED FROM PANEL LB.
HP-2	HEAT PUMP	STORAGE RM L1:09	21 A	208/3	LA-2,4,6		
HP-3	HEAT PUMP	SENIORITYA PROGRAM RM L1:19	23.5 A	208/3	LA-7,9,11		
HP-4	HEAT PUMP	STORAGE RM L1:09	15.6 A	208/3	LA-8,10,12		
HP-5	HEAT PUMP	STORAGE RM L1:09	18.9 A	208/3	LA-13,15,17		
HP-6	HEAT PUMP	MECHANICAL RM L1:14	25.4 A	208/3	LA-14,16,18		
HP-7	HEAT PUMP	MECHANICAL RM L1:14	29.7 A	208/3	LA-19,21,23		
HP-8	HEAT PUMP	MECHANICAL RM L1:14	31.2 A	208/3	LA-22,24		
HP-9	HEAT PUMP	MECHANICAL RM L1:14	18.8 A	208/3	LA-25,27,29		
HP-10	HEAT PUMP	MECHANICAL RM L1:14	4.9 A	208/1	LA-26,28		
HP-11	HEAT PUMP	ELECTRICAL RM L1:15	16.8 A	208/3	LA-30,32,34		
HP-12	HEAT PUMP	SENIORITYA PROGRAM RM L1:19	4.9 A	208/1	LA-31,33		
HP-13	HEAT PUMP	SERVER RM L1:23	10.7 A	208/1	LA-35,37		
HP-14	HEAT PUMP	STORAGE RM L1:20	5.1 A	208/1	LA-36,38		
HP-15	HEAT PUMP	CAFE SERVERY L1:04	11.7 A	208/3	LA-43,45,47		
HP-16	HEAT PUMP	CATALOGUING/ACQUISITIONS L1:29	10.7 A	208/1	LA-40,42		
HP-17	HEAT PUMP	M&E P1:05	25.4 A	208/3	SA-1,3,5		
HP-18	HEAT PUMP	VESTIBULE P1:03	21.2 A	208/3	SA-2,4,6		
HP-19	HEAT PUMP	VESTIBULE P1:03	4.9 A	208/1	SA-7,9		PROVIDE CIRCUIT FOR AUX. HEATER. 20A, 2-POLE. FEED FROM PANEL SA.
HP-20	HEAT PUMP	M&E P1:05	16.8 A	208/3	SA-8,10,12		
HP-21	HEAT PUMP	ARCHIVE RM P1:09	12.0 A	208/3	SA-11,13,15		
HP-22	HEAT PUMP	M&E P1:05	18.0 A	208/3	SA-14,16,18		
HP-23	HEAT PUMP	VESTIBULE P1:03	15.6 A				

Branch Panel:LA											
Location: ELECTRICAL ROOM 1:15				Volts:120/208 Wye				A.I.C. Rating: Mains Rating:400 A			
Supply From:CDP2-L				Phases:3				Wires:4			
Mounting:Surface											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
LA-1	HP-1 VESTIBULE L1:01	30 A	3	2017 VA 2522 VA	2017 VA 2522 VA		3	40 A	HP-2 STORAGE ROOM L1:09	LA-2	
LA-3										LA-4	
LA-5										LA-6	
LA-7										LA-8	
LA-9	HP-3 CIRCULATION L1:30	40 A	3	2822 VA 1873 VA	2822 VA 1873 VA		3	25 A	HP-4 STORAGE ROOM L1:09	LA-10	
LA-11										LA-12	
LA-13										LA-14	
LA-15	HP-5 STORAGE ROOM L1:09	30 A	3	2270 VA 3050 VA	2270 VA 3050 VA		3	40 A	HP-6 MECHANICAL ROOM L1:14	LA-16	
LA-17										LA-18	
LA-19										LA-20	
LA-21	HP-7 MECHANICAL ROOM L1:14	50 A	3	3567 VA 2546 VA	3567 VA 2546 VA		3	40 A	HP-8 MECHANICAL ROOM L1:14	LA-22	
LA-23										LA-24	
LA-25										LA-26	
LA-27	HP-9 MECHANICAL ROOM L1:14	30 A	3	2270 VA 510 VA	2270 VA 510 VA		2	15 A	HP-10 MECHANICAL ROOM L1:14	LA-28	
LA-29										LA-30	
LA-31	HIP-12 SENIOR / YA PROGRAM ROOM	15 A	2	510 VA 2017 VA	510 VA 2017 VA		3	30 A	HP-11 ELECTRICAL ROOM L1:15	LA-32	
LA-33										LA-34	
LA-35	HP-13 SERVER ROOM L1:23	20 A	2	1113 VA 531 VA	1113 VA 531 VA		2	15 A	HP-14 STORAGE ROOM L1:20	LA-36	
LA-37										LA-38	
LA-39	Receptacle Room L1:15, L1:14	15 A	1	540 VA 1113 VA	20 A	HP-16 Space P1:29				LA-40	
LA-41	Receptacle Room L1:12, L1:13	15 A	1	900 VA 1113 VA	2	15 A	HP-17			LA-42	
LA-43										LA-44	
LA-45	HP-15 CAFE SERVERY L1:04	20 A	3	1405 VA 1500 VA	2	20 A	HP-17			LA-46	
LA-47										LA-48	
LA-49	Receptacle SERVER ROOM L1:23	15 A	1	180 VA 2250 VA	2	30 A	HWT-1			LA-50	
LA-51	Receptacle SERVER ROOM L1:23	15 A	1	180 VA 540 VA	1	15 A	Receptacle LOUNGE AREA L1:13			LA-52	
LA-53	Receptacle SERVER ROOM L1:23	15 A	2	1248 VA 720 VA	1248 VA 540 VA	1	15 A	Power LOUNGE AREA L1:13		LA-54	
LA-55										LA-56	
LA-56	Receptacle SERVER ROOM L1:23	15 A	2	1248 VA 360 VA	1248 VA 720 VA	1	15 A	Power COLLECTIONS L1:11		LA-58	
LA-57										LA-59	
LA-58	Receptacle SERVER ROOM L1:23	15 A	2	1248 VA 360 VA	1248 VA 720 VA	1	15 A	Power Room L1:07, L1:06		LA-60	
LA-59										LA-61	
LA-61	SENIOR / YA PROGRAM ROOM L1:19	15 A	1	740 VA 540 VA	1	15 A	Power FIRESIDE LOUNGE L1:06			LA-62	
LA-62										LA-63	
LA-63	Receptacle STAFF LOUNGE L1:24	15 A	1	200 VA 540 VA	1	15 A	Receptacle COLLECTIONS L1:11			LA-64	
LA-64										LA-65	
LA-65	Receptacle STAFF LOUNGE L1:24	15 A	1	400 VA 720 VA	1	15 A	Receptacle SENIOR / YA PROGRAM...			LA-66	
LA-66										LA-67	
LA-67	Receptacle Room L1:26, L1:25	15 A	1	900 VA 360 VA	1	15 A	Receptacle STAFF LOUNGE L1:24			LA-68	
LA-68										LA-69	
LA-69	Receptacle Space P1:28	15 A	1	180 VA 180 VA	1	15 A	Receptacle STAFF LOUNGE L1:24			LA-70	
LA-71	Receptacle CIRCULATION L1:30	15 A	1	800 VA 200 VA	1	15 A	Receptacle STAFF LOUNGE L1:24			LA-72	
LA-72										LA-73	
LA-73	Room L1:08, L1:07	15 A	1	1100 VA 540 VA	1	15 A	Receptacle Room L1:20, L1:24			LA-74	
LA-74										LA-75	
LA-75	Receptacle STORYTELLING AREA L1:08	15 A	1	200 VA 900 VA	1	15 A	Receptacle Room L1:28, L1:27			LA-76	
LA-76										LA-77	
LA-77	Receptacle Space P1:29	15 A	1	580 VA 980 VA	1	15 A	Receptacle CIRCULATION L1:30			LA-78	
LA-78										LA-79	
LA-79	Receptacle STAFF LOUNGE L1:24	15 A	1	180 VA 360 VA	1	15 A	Power CIRCULATION L1:30			LA-80	
LA-80										LA-81	
LA-81	Power SECURITY GATES L1:05	15 A	1	250 VA 200 VA	1	15 A	Receptacle STORYTELLING AREA L1:08			LA-82	
LA-82										LA-83	
LA-83	Receptacle STAFF LOUNGE L1:24	15 A	1	200 VA 180 VA	1	15 A	Receptacle STORAGE ROOM L1:09			LA-84	
	Total Load:	39,640 VA		35,509 VA		40,082 VA					
	Total Amps:	336 A		296 A		339 A					
	Total Load:	115,231 VA		Total Amps:	320 A						

Branch Panel:LB											
Location: ELECTRICAL ROOM 1:15				Volts:120/208 Wye				A.I.C. Rating: Mains Rating:225 A			
Supply From:CDP2-L				Phases:3				Wires:4			
Mounting:Surface											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
LB-1	SP-1&2 CRAWLSPACE	15 A	1	900 VA 0 VA	1	15 A [SPARE]			LB-2		
LB-3	GMP-1 MECHANICAL ROOM L1:14	15 A	1	900 VA 0 VA	1	15 A [SPARE]			LB-4		
LB-5					3333 VA 0 VA	1	15 A [SPARE]		LB-6		
LB-7	EUH-1	35 A	3	3333 VA 3333 VA	3333 VA 3333 VA		3	35 A	EUH-2	LB-10	
LB-8									LB-12		
LB-9	Receptacle ELECTRICAL ROOM L1:15	15 A	1	180 VA 1300 VA	1	15 A Parking Receptacle			LB-14		
LB-10	Receptacle COLLECTIONS L1:07	15 A	1	200 VA 1300 VA	1	15 A Parking Receptacle			LB-16		
LB-11	Lighting Room L1:07, L1:08	15 A	1	952 VA 1300 VA	1	15 A Parking Receptacle			LB-18		
LB-12	Lighting Room L1:07, L1:08	15 A	1	1010 VA 1300 VA	1	15 A Parking Receptacle			LB-20		
LB-13	Lighting COLLECTIONS L1:07	15 A	1	600 VA 650 VA	1	15 A Parking Receptacle					