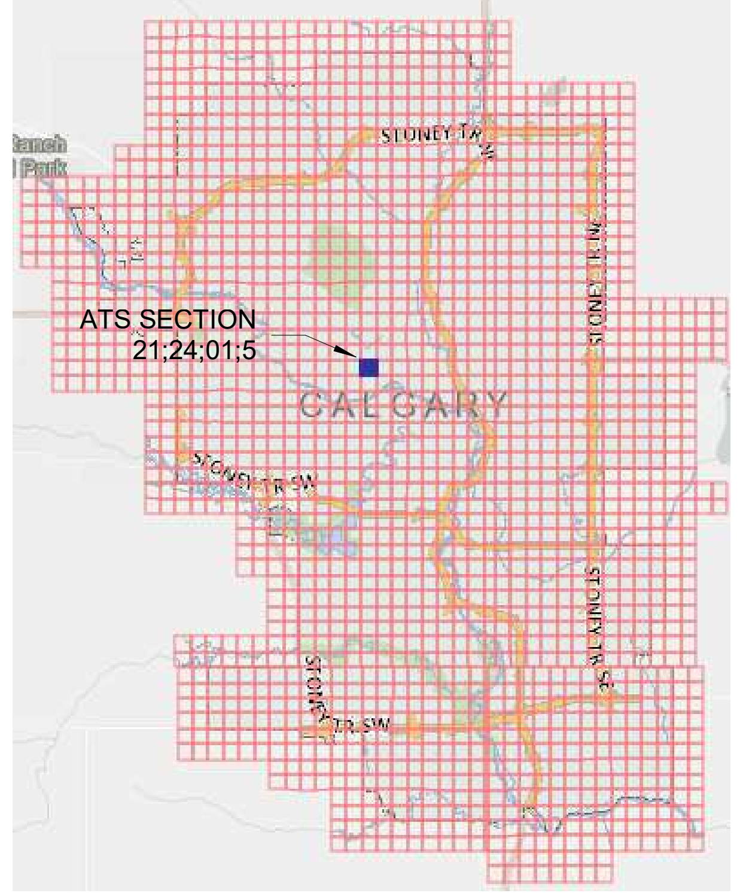
vdesign

AECOO CONNECTOR DIGITAL MODEL & REVITALIZATION

16 AVE NW
14 ST NW

PROJECT LOCATION PLAN


STONEY TR NW
ATS SECTION
21;24;01;5
CALGARY
STONEY TR SW
STONEY TR SE
52ND ST

SITE CONTEXT PLAN

SOUTHERN ALBERTA INSTITUTE OF TECHNOLOGY

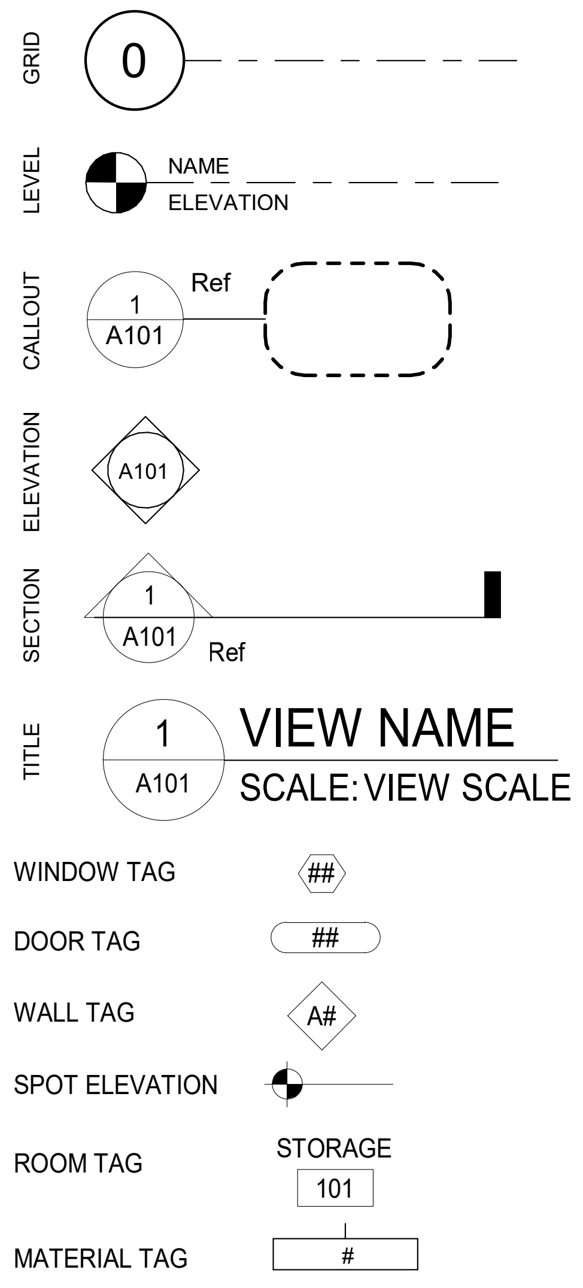
THOMAS RILEY BUILDING (TU103)

1301 16 AVE NW, CALGARY AB

BUILDING CODE SUMMARY

BUILDING CLASSIFICATION (3.2.2.23.)	GROUP A, DIV 2, ANY HEIGHT, ANY AREA, SPRINKLERED
TYPE OF CONSTRUCTION	NON-COMBUSTIBLE
SPRINKLERED	FULLY SPRINKLERED
FLOOR ASSEMBLIES	FIRE SEPARATIONS WITH A FIRE RESISTANCE NOT LESS THAN 2 HOURS
SUPPORTING STRUCTURE	FIRE RESISTANCE RATING NOT LESS THAN THAT REQUIRED FOR THE SUPPORTED ASSEMBLY
MEZZANINES	FIRE RESISTANCE RATING NOT LESS THAN 1 HOUR
STORAGE ROOMS	MORE THAN 1m² IN AREA SERVING AN ASSEMBLY OCCUPANCY SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING BY A FIRE SEPARATION WITH A 1 HOUR FRR
RAMPS	A RAMP LOCATED IN A BARRIER-FREE PATH OF TRAVEL SHALL HAVE: - A CLEAR WIDTH OF NOT LESS THAN 870mm - A SLOPE NOT LESS THAN 1 IN 12 - BE EQUIPPED WITH HANDRAILS NOT LESS THAN 865mm AND NOT MORE THAN 965mm HIGH

SYMBOL LEGEND


GRID
0
LEVEL
NAME
ELEVATION
CALLOUT
1
A101
Ref
ELEVATION
A101
SECTION
1
A101
Ref
TITLE
1
A101
VIEW NAME
SCALE: VIEW SCALE
WINDOW TAG
##
DOOR TAG
##
WALL TAG
A#
SPOT ELEVATION
ROOM TAG
STORAGE
101
MATERIAL TAG
#

ABBREVIATIONS

ACT	ACOUSTIC TILE
B.O.	BOTTOM OF
CONC.	CONCRETE
CONT.	CONTINUOUS
DN	DOWN
EQ	EQUAL
EXST.	EXISTING
GALV.	GALVINIZED
L	LENGTH
MAX.	MAXIMUM
MIN.	MINIMUM
NO.	NUMBER
O.C.	ON CENTRE
REQ.	REQUIRED
SIM.	SIMILAR
T.O.	TOP OF
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
W	WIDTH

A0.0	COVER SHEET
A0.1	SCHEDULES & LEGENDS
A0.2	DEMOUNTABLE PARTITION ELEVATIONS & 3D DETAILS
A1.0	SITE PLAN
A2.0	MAIN FLOOR PLAN
A2.1	MEZZANINE FLOOR PLAN
A2.2	MAIN FLOOR PLAN ELECTRICAL
A2.3	REFLECTED CEILING PLAN
A2.4	FURNITURE PLAN (DEFAULT)
A2.5	FURNITURE PLAN (CONFERENCE)
A2.6	FURNITURE PLAN (SPECIAL EVENT)
A2.7	FURNITURE PLAN (EXPO)
A2.8	FURNITURE PLAN (CLASS/WORKSHOP)
A3.0	ELEVATIONS
A3.1	ELEVATIONS
A4.0	BUILDING SECTIONS
A5.0	ENLARGED PLAN & ELEVATIONS (MEZZANINE)
A6.0	MILLWORK ELEVATION & DETAILS
A7.0	DETAILS
A8.0	RENDERINGS (DEFAULT LAYOUT)
A8.1	RENDERINGS (CONFERENCE)
A8.2	RENDERINGS (SPECIAL EVENT)
A8.3	RENDERINGS (EXPO)
A8.4	RENDERINGS (CLASS/WORKSHOP)

CLIENT

SAIT

PROJECT

AECOO Connector

PROJECT ADDRESS

1301 16 AVE NW, CALGARY AB

BUILDING NAME

THOMAS RILEY

NO.	DESCRIPTION	DATE
1	IR2	03-09-2022
2	IR3	04-06-2022
3	FINAL SUBMISSION	04-25-2022

DRAWN BY	CHECKED BY	ISSUE DATE
A/B/J/K/P	WT/LS	04/25/22

TITLE

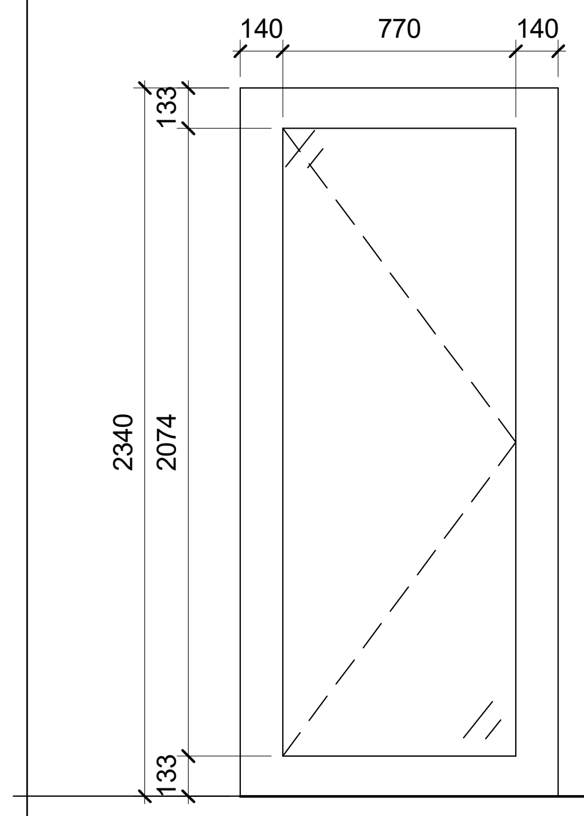
COVER SHEET

DRAWING NUMBER	SCALE
A0.0	As indicated

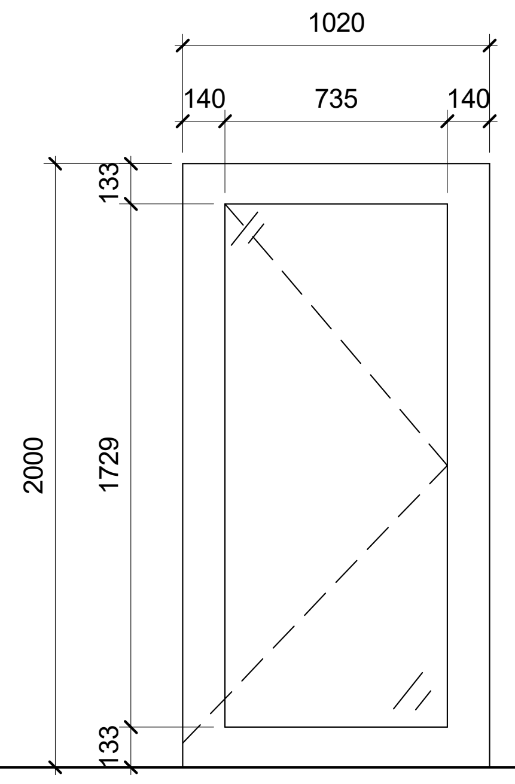
2022-04-25 10:07:39 PM

DOOR SCHEDULE

NO.	TYPE	HEIGHT	WIDTH	COMMENTS
TU101D-1	A	2340	1050	LOCKING
TU101E-1	B	2000	1015	LOCKING
TU103-1	C	2150	1760	EXISTING DOOR
TU103-2	D	2150	880	EXISTING DOOR
TU103-3	F	2100	900	EXISTING DOOR
TU103-4	G	3655	3655	EXISTING DOOR
TU103A-1	E	2150	880	EXISTING DOOR
TU101E-2	D	2150	880	EXISTING DOOR



DOOR TYPE A



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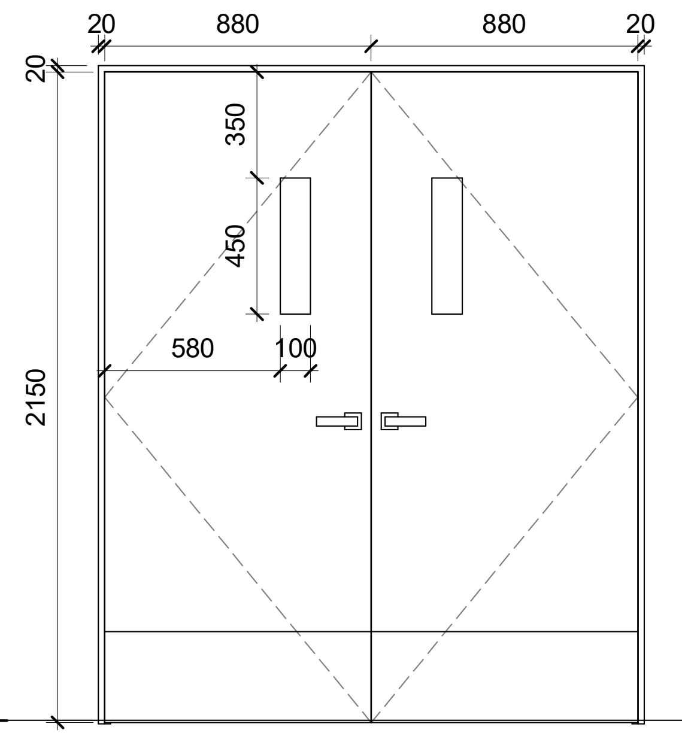

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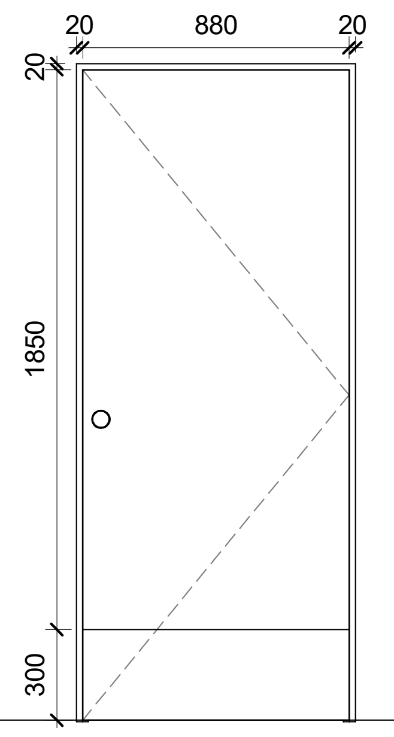

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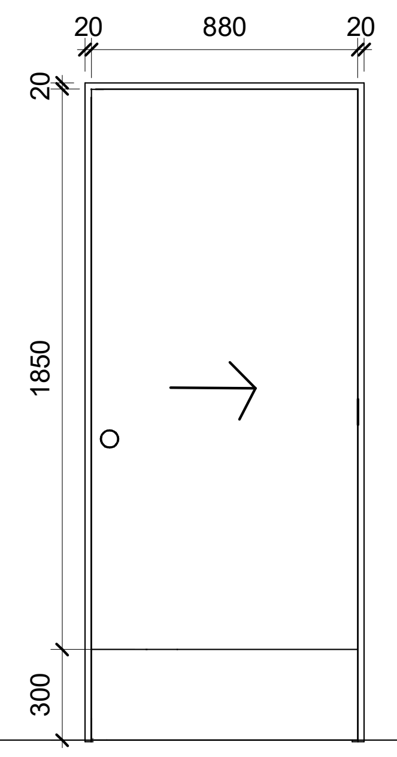

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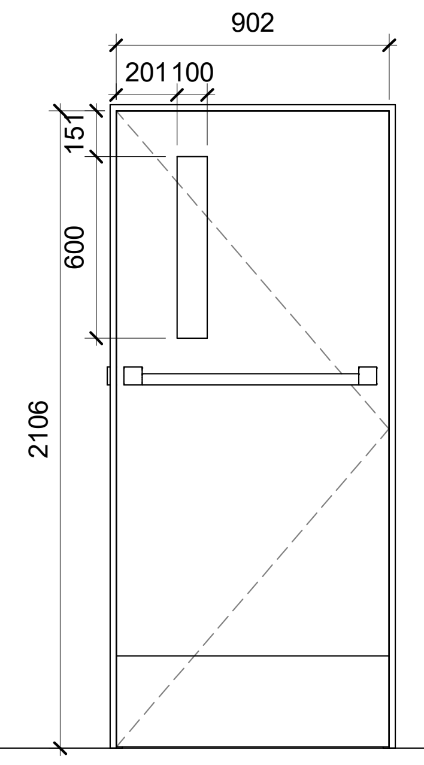

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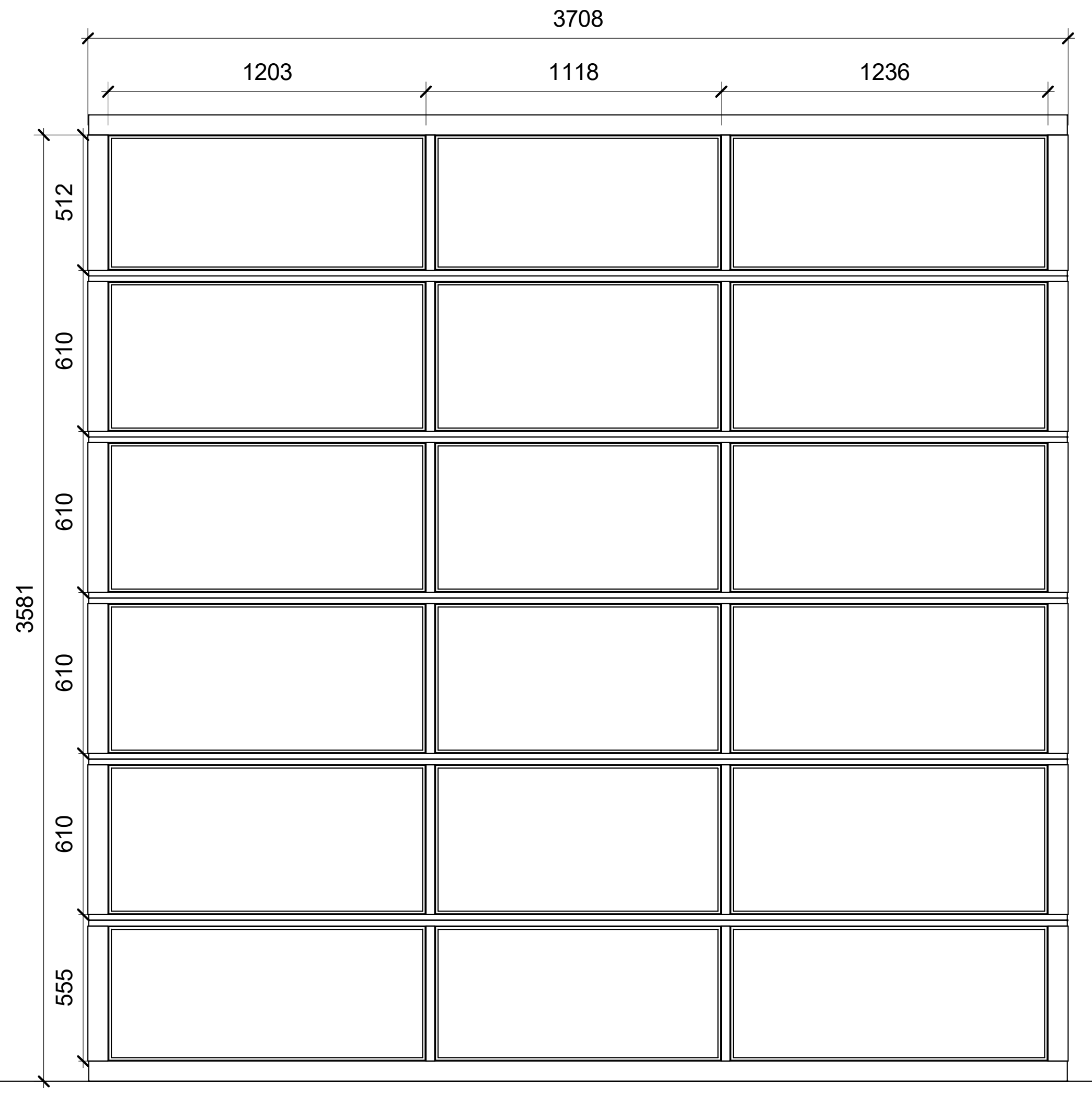


DOOR TYPE G

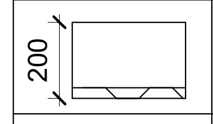
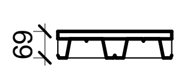
ROOM AND INTERIOR FINISH SCHEDULE

NO.	ROOM NAME	ROOM AREA	FLOOR FINISH	WALL FINISH	CEILING FINISH	COMMENTS
TU103	OPEN AREA	504 m²	FT1, FF1	PT1, PT2	EX1	NORTH WALL PT2, ALL OTHERS PT1
TU103A	STORAGE	13 m²	FF1	PT2	EX1	
TU101C	STORAGE	19 m²	FF1	PT2	EX1	
TU101D	MEZZANINE	83 m²	FF2	N/A	EX1	
TU101E	MAKERSPACE	94 m²	FF1	PT1, PT2	EX1	NORTH WALL PT2, ALL OTHER PT1

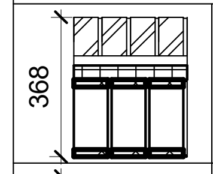
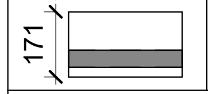
INTERIOR FINISH MATERIALS LEGEND

	MARK	DESCRIPTION
TILE	CT1	ACOUSTIC CEILING TILE
	FT1	RAISED FLOORING TILE
PAINT	PT1	MERCURIAL DLX1006-4 SEMI-GLOSS LATEX
	PT2	DELICATE WHITE DLX1001-1 SEMI-GLOSS LATEX
MISC	FF1	FLOROPOXY SL PIGMENTED GLOSSY (WHITE NIGHT GREY)
	FF2	RESIN BOARD AND METAL DECK
	EX1	EXISTING EXPOSED SURFACE TO REMAIN

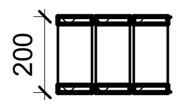
FLOOR ASSEMBLIES

	F1	200mm CONCRETE SLAB STEEL DECK
	F2	74mm RESIN BOARD 51mm COMPOSITE METAL DECK

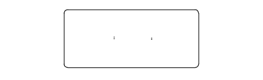
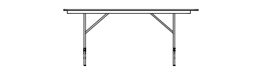
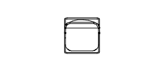
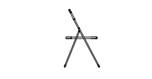
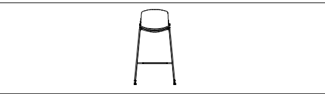
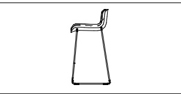
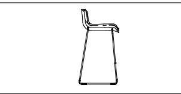
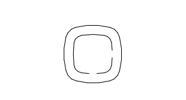
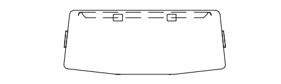
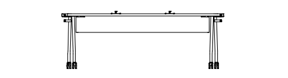
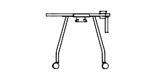
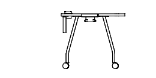
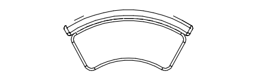
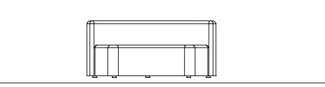
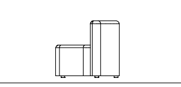
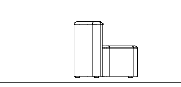
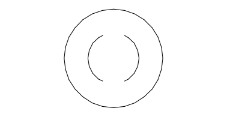
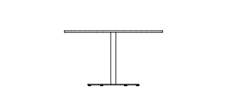
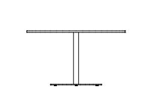
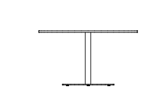
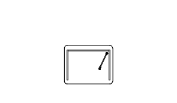
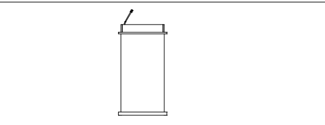
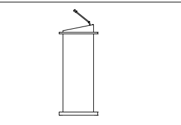
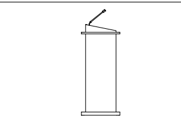
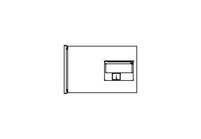
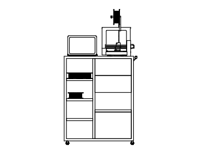
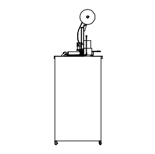
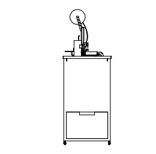
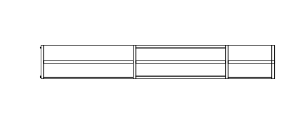
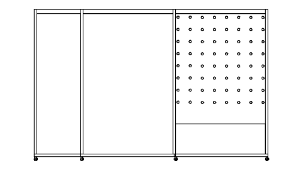
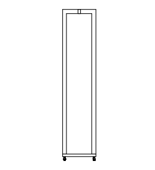
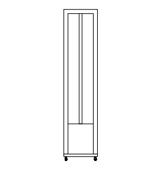
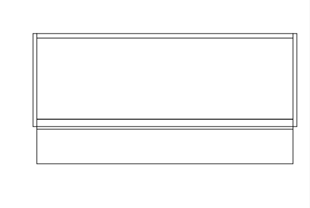
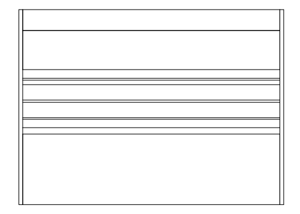
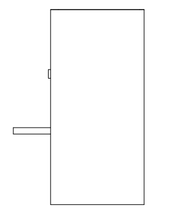
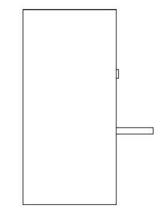
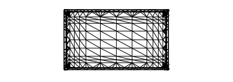
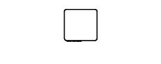
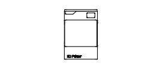
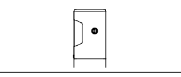
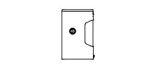
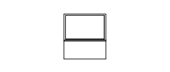
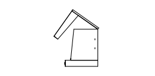
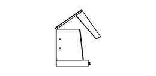
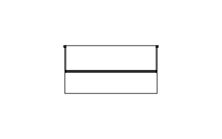
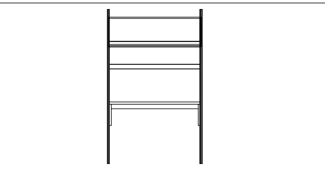
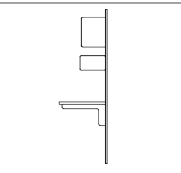
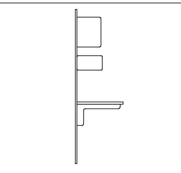
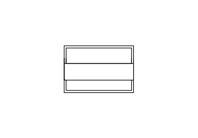
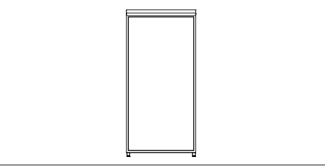
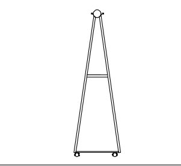
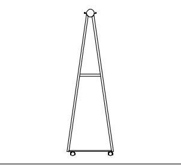
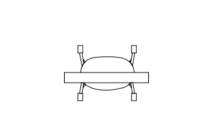
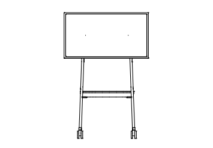
EXTERIOR WALL ASSEMBLIES

	W1	89mm BRICK 25mm AIR GAP 38mm INSULATION 203mm CMU
	W2	

INTERIOR PARTITIONS

	P1	200mm CMU
	P2	DEMOUNTABLE PANEL PARTITIONS

FURNITURE SCHEDULE

	TOP	FRONT	LEFT	RIGHT	COUNT	HT (mm)	W (mm)	D (mm)
FOLDING TABLE					30	737	1778	762
FOLDING CHAIR					136	762	611	465
HIGH STOOL					72	994	685	539
HIGH TABLE					18	1067	764	764
CHEVRON TABLE					16	724	2109	848
SOFA					9	740	1690	835
LOW TABLE					3	732	1300	1300
MOBILE LECTERN					1	1194	640	508
MOBILE 3D PRINTER WORKSTATION					2	1120	610	915
MOBILE PEGBOARD					1	1940	3050	424
ROTARY CABINET					1	2573	3440	1720
WIDESCREEN TV					1	764	77	67
3D EXTRUSION PRINTER					1	650	415	415
CNC MILLING MACHINE					1	750	438	592
WALL-MOUNTED WORKSTATION					4	2020	640	600
MOBILE WHITEBOARD					1	1885	915	675
MOBILE MEDIA STATION					1	1660	725	720

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PROJECT
AECOO Connector

PROJECT ADDRESS
1301 16 AVE NW, CALGARY AB

BUILDING NAME
THOMAS RILEY

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1	IR2	03-09-2022
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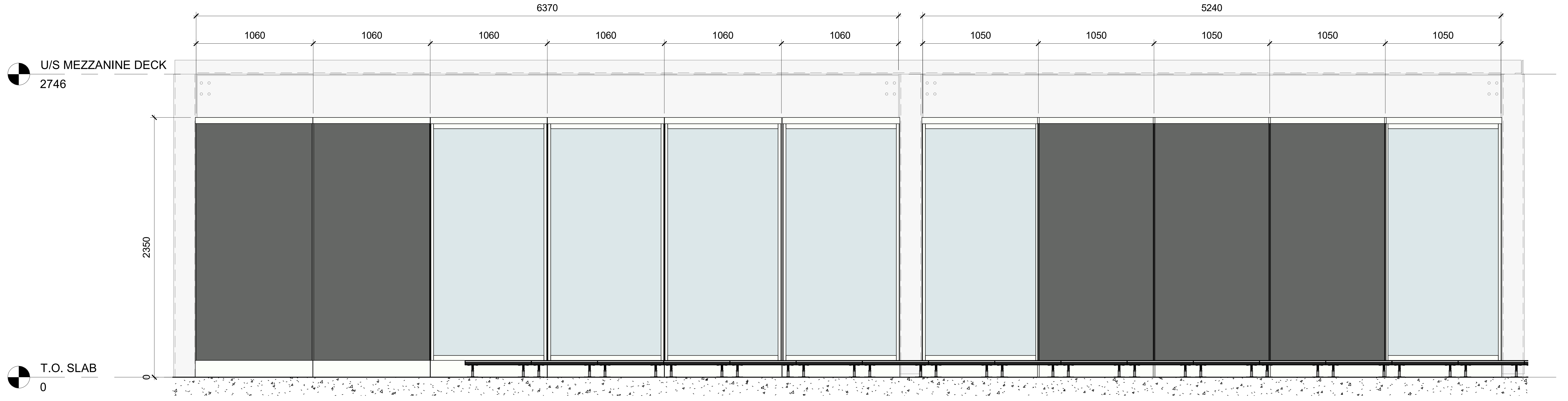
DRAWN BY	CHECKED BY	ISSUE DATE
A/B/J/K/P	WT/LS	04/25/22

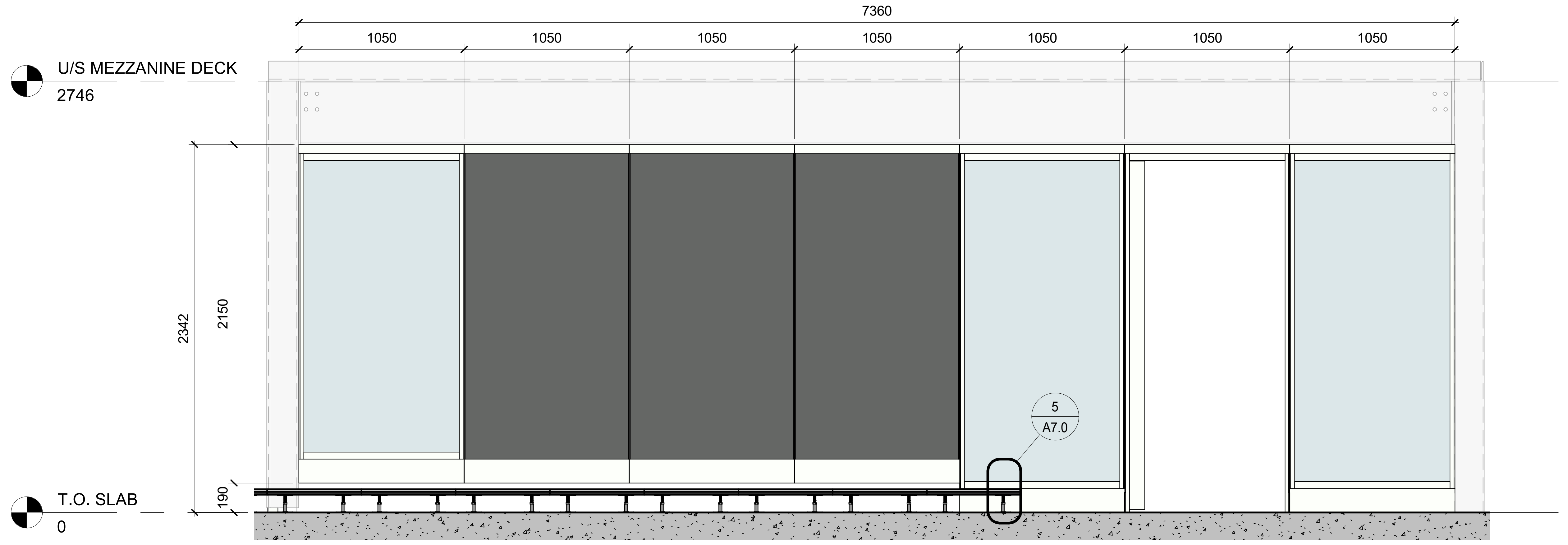
TITLE
SCHEDULES & LEGENDS

DRAWING NUMBER	SCALE
A0.1	As indicated

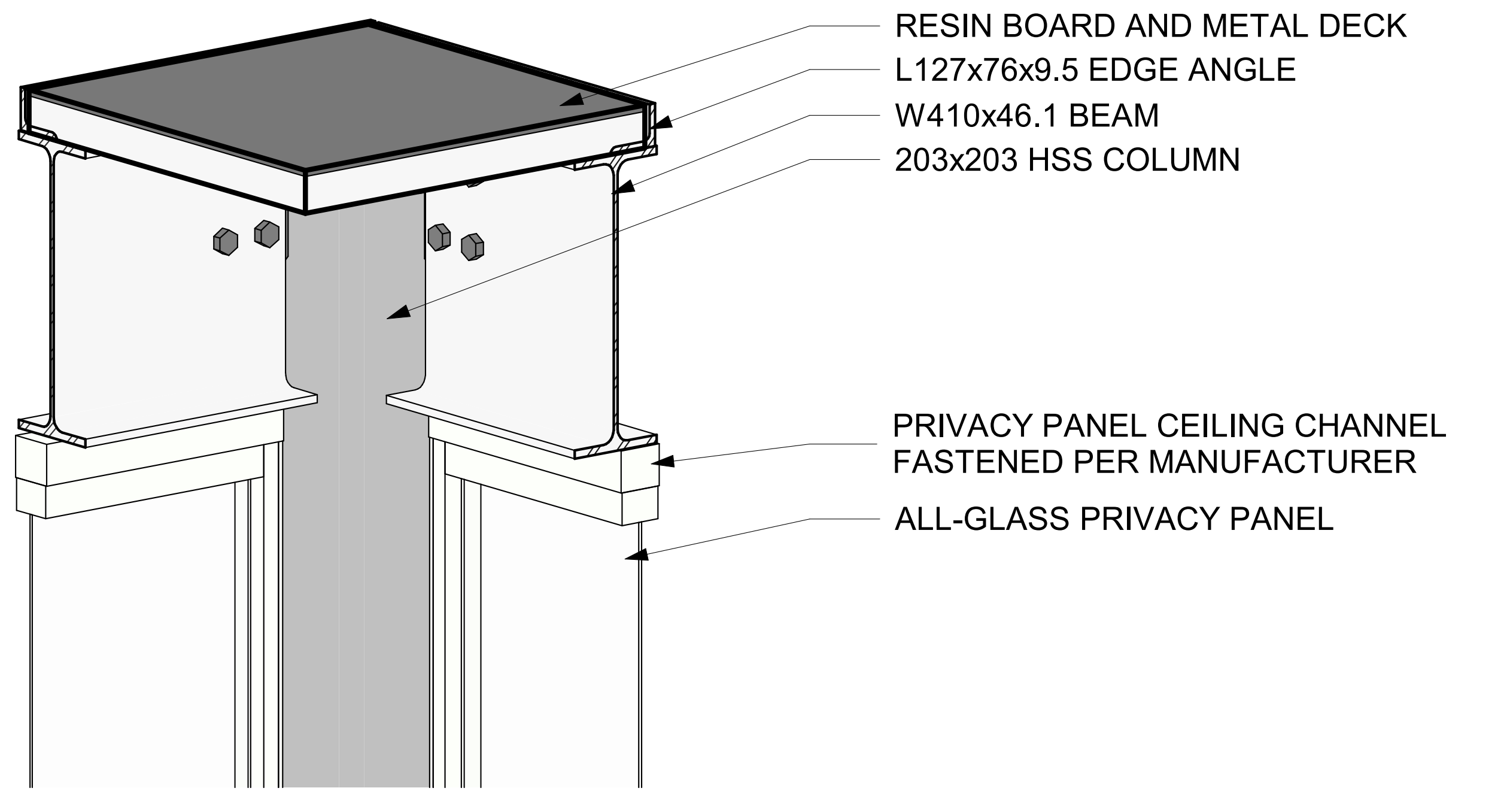
2022-04-25 10:07:44 PM


6370
5240
1060
1060
1060
1060
1060
1060
1050
1050
1050
1050
1050
U/S MEZZANINE DECK
2746
2350
0
T.O. SLAB
0

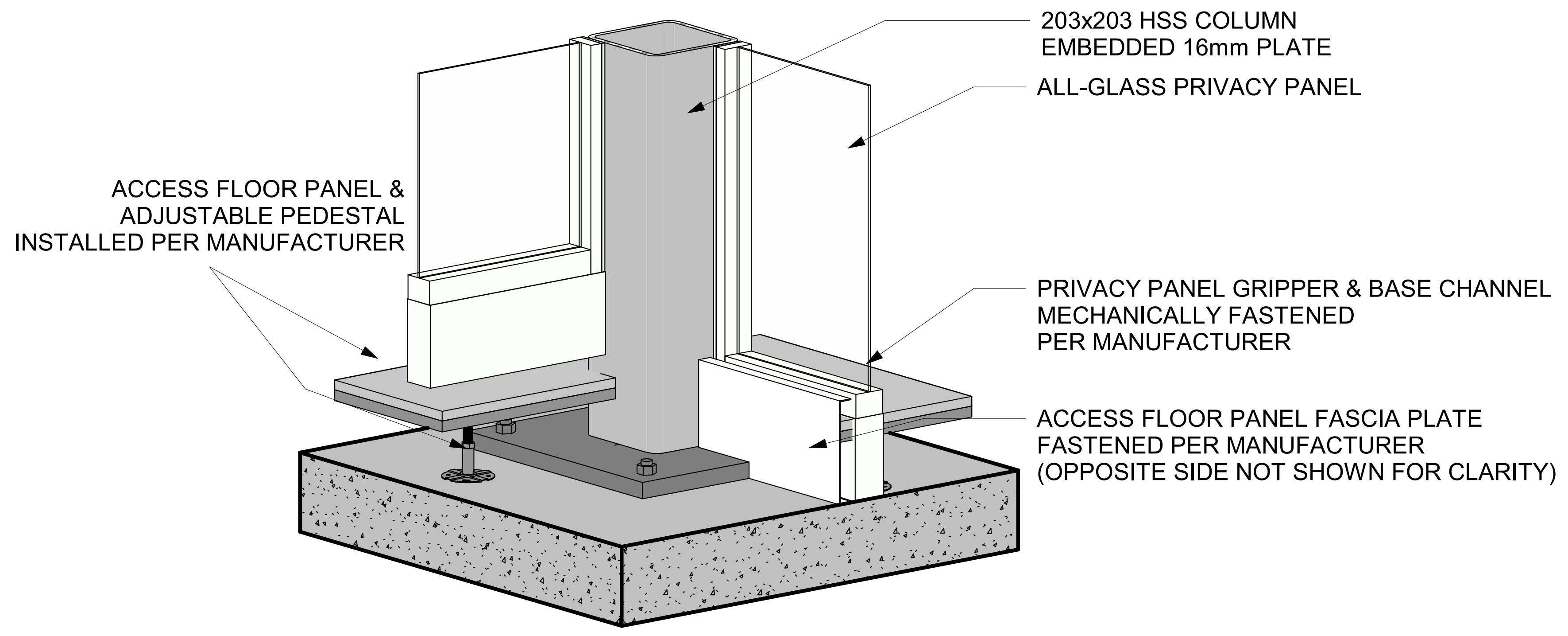
1
A0.2
MEZZANINE WALL PANEL ELEVATION 1
SCALE: 1 : 25


7360
1050
1050
1050
1050
1050
1050
1050
U/S MEZZANINE DECK
2746
2342
2150
190
5
A7.0
T.O. SLAB
0

2
A0.2
MEZZANINE WALL PANEL ELEVATION 2
SCALE: 1 : 25


RESIN BOARD AND METAL DECK
L127x76x9.5 EDGE ANGLE
W410x46.1 BEAM
203x203 HSS COLUMN
PRIVACY PANEL CEILING CHANNEL
FASTENED PER MANUFACTURER
ALL-GLASS PRIVACY PANEL

4
A0.2
PRIVACY WALL HEAD @ U/S MEZZANINE 3D
SCALE:


203x203 HSS COLUMN
EMBEDDED 16mm PLATE
ALL-GLASS PRIVACY PANEL
ACCESS FLOOR PANEL &
ADJUSTABLE PEDESTAL
INSTALLED PER MANUFACTURER
PRIVACY PANEL GRIPPER & BASE CHANNEL
MECHANICALLY FASTENED
PER MANUFACTURER
ACCESS FLOOR PANEL FASCIA PLATE
FASTENED PER MANUFACTURER
(OPPOSITE SIDE NOT SHOWN FOR CLARITY)

3
A0.2
PRIVACY WALL BASE @ RAISED FLOORING 3D
SCALE:

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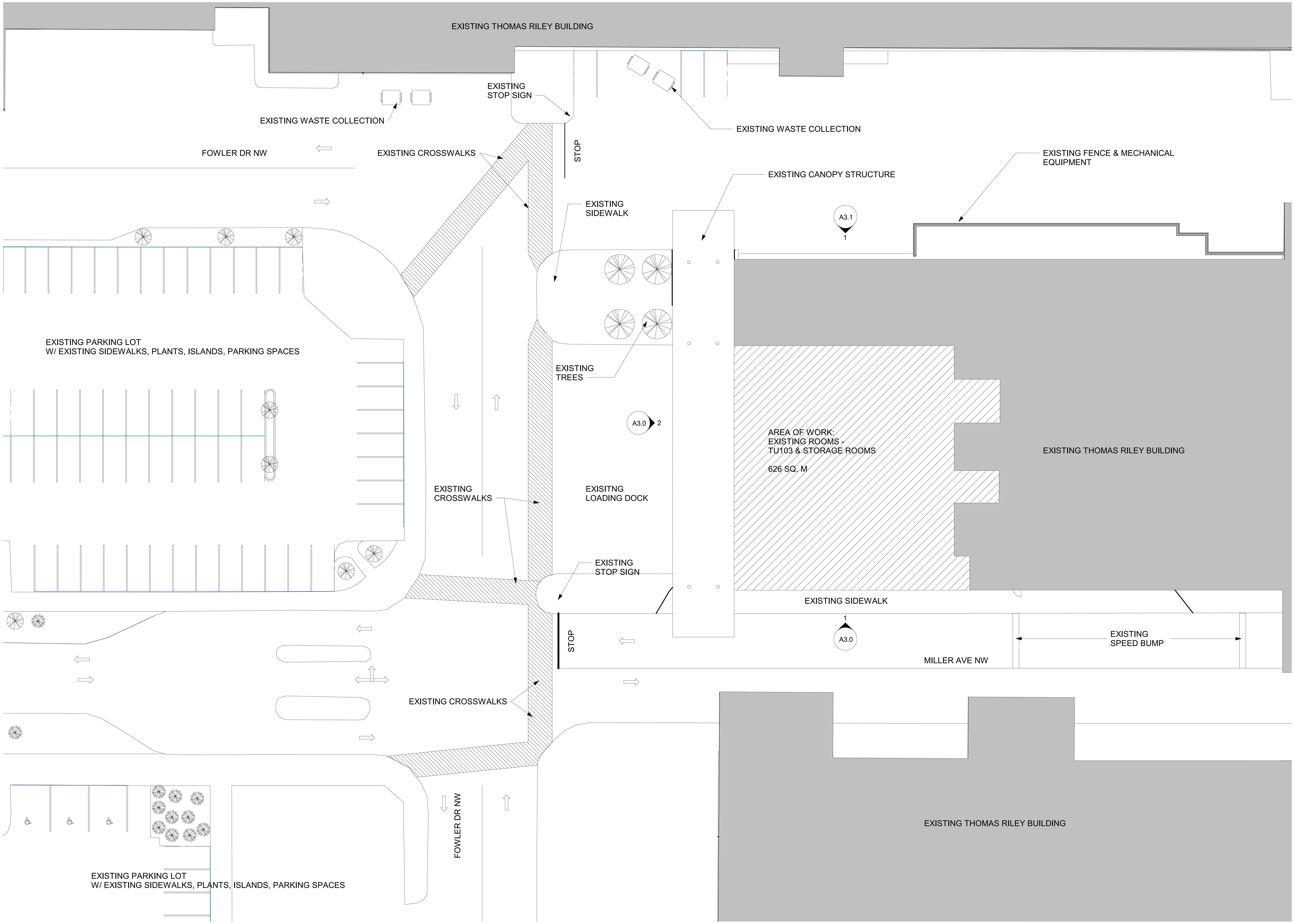
A/B/J/K/P	WT/LS	04/25/22

TITLE
DEMOUNTABLE PARTITION ELEVATIONS & 3D DETAILS

DRAWING NUMBER
A0.2

SCALE
1 : 25

2022-04-25 10:07:49 PM


EXISTING THOMAS RILEY BUILDING
EXISTING STOP SIGN
EXISTING WASTE COLLECTION
EXISTING WASTE COLLECTION
FOWLER DR NW
EXISTING CROSSWALKS
STOP
EXISTING FENCE & MECHANICAL EQUIPMENT
EXISTING CANOPY STRUCTURE
EXISTING SIDEWALK
A3.1
1
EXISTING PARKING LOT W/ EXISTING SIDEWALKS, PLANTS, ISLANDS, PARKING SPACES
EXISTING TREES
A3.0
2
AREA OF WORK: EXISTING ROOMS - TU103 & STORAGE ROOMS
626 SQ. M
EXISTING THOMAS RILEY BUILDING
EXISTING CROSSWALKS
EXISITNG LOADING DOCK
EXISTING STOP SIGN
EXISTING SIDEWALK
STOP
1
A3.0
EXISTING SPEED BUMP
MILLER AVE NW
EXISTING CROSSWALKS
EXISTING THOMAS RILEY BUILDING
FOWLER DR NW
EXISTING PARKING LOT W/ EXISTING SIDEWALKS, PLANTS, ISLANDS, PARKING SPACES

1
A1.0
SITE PLAN
SCALE: 1 : 200

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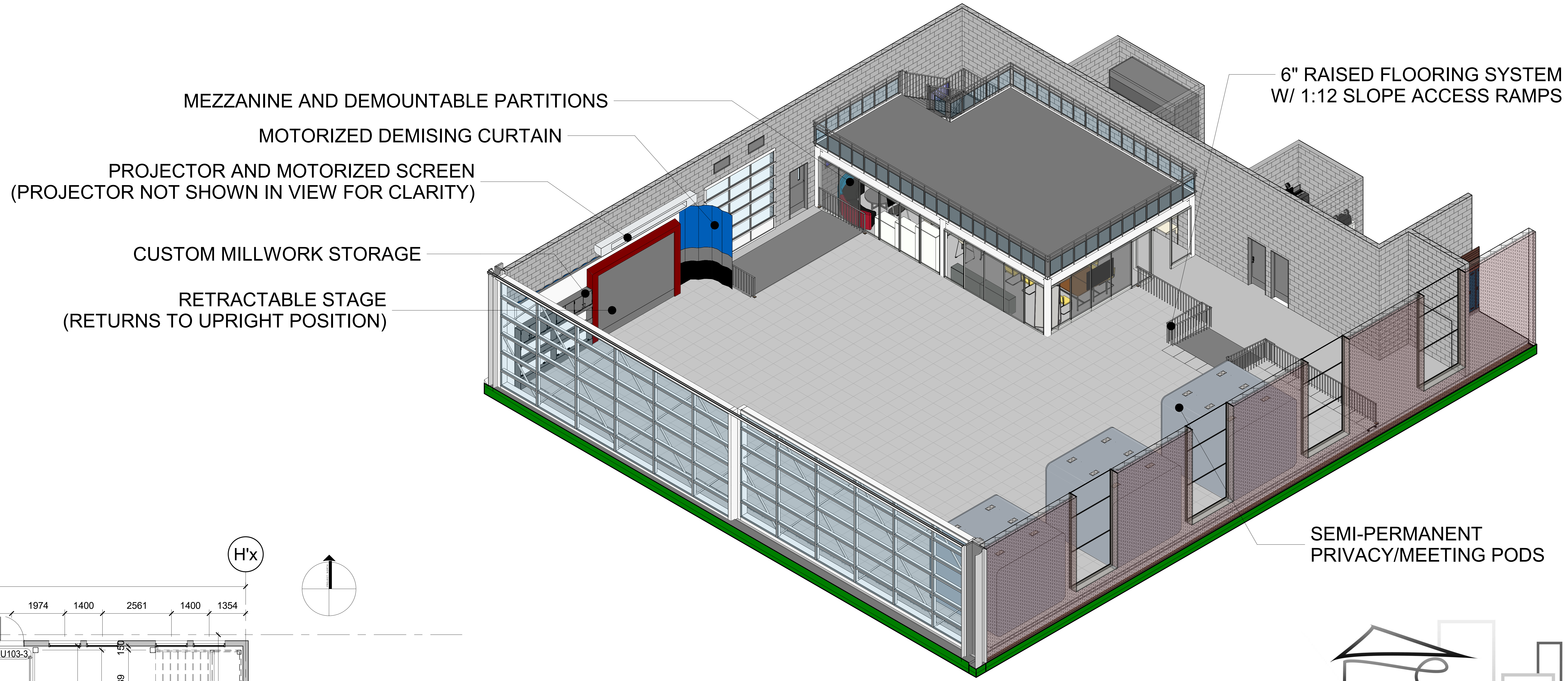
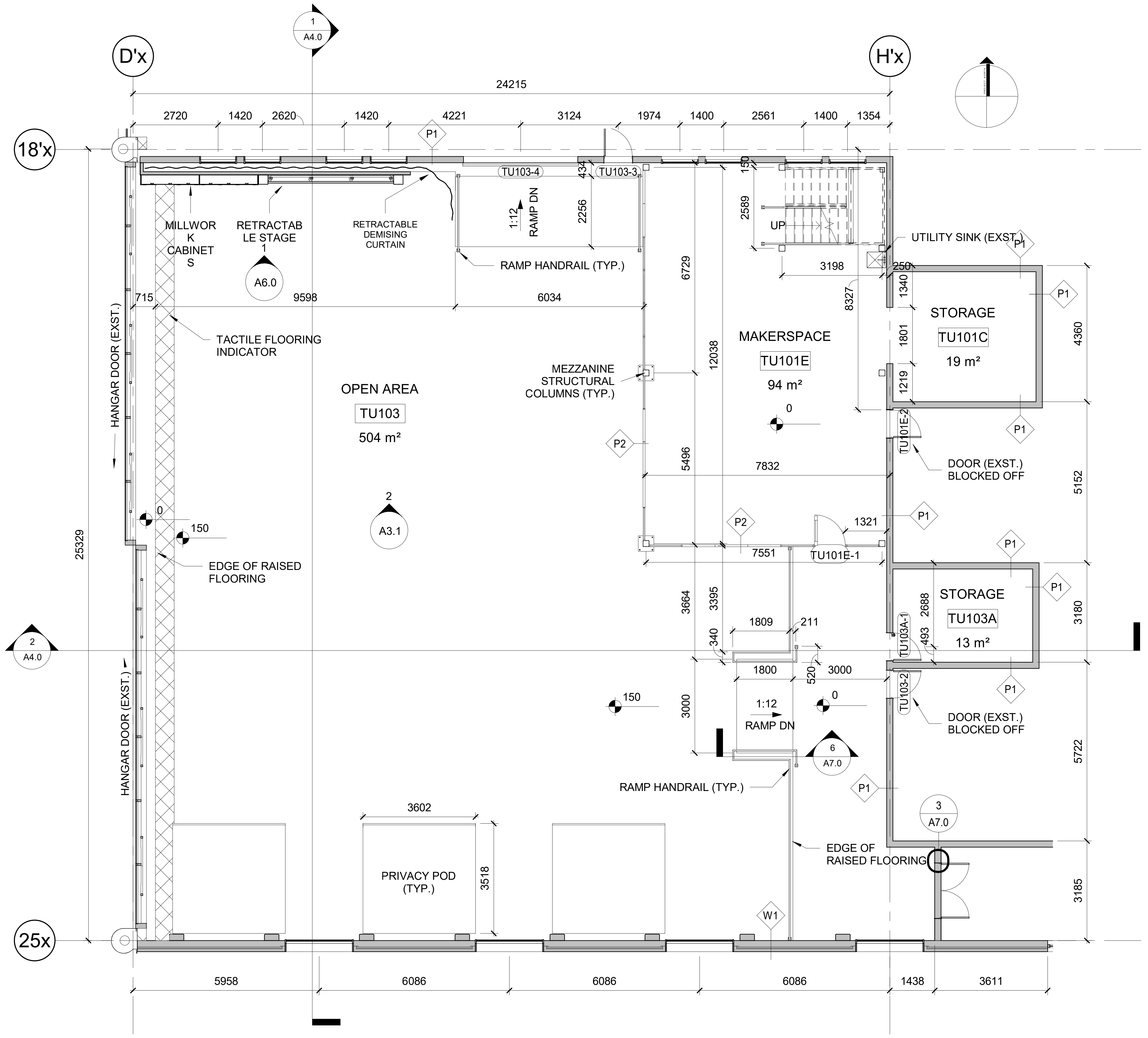
A/B/J/K/P	WT/LS	04/25/22

TITLE
SITE PLAN

DRAWING NUMBER	SCALE
A1.0	1 : 200

2022-04-25 10:07:50 PM


MEZZANINE AND DEMOUNTABLE PARTITIONS
MOTORIZED DEMISING CURTAIN
PROJECTOR AND MOTORIZED SCREEN
(PROJECTOR NOT SHOWN IN VIEW FOR CLARITY)
CUSTOM MILLWORK STORAGE
RETRACTABLE STAGE
(RETURNS TO UPRIGHT POSITION)
6" RAISED FLOORING SYSTEM
W/ 1:12 SLOPE ACCESS RAMPS
SEMI-PERMANENT
PRIVACY/MEETING PODS


D'x
H'x
18'x
25x
1 A4.0
2 A4.0
24215
2720
1420
2620
1420
4221
3124
1974
1400
2561
1400
1354
P1
TU103-4
TU103-3
434
1:12
RAMP DN
2256
150
2589
UP
UTILITY SINK (EXST.)
MILLWORK CABINETS
RETRACTABLE STAGE
1 A6.0
RETRACTABLE DEMISING CURTAIN
RAMP HANDRAIL (TYP.)
3198
250
715
9598
6034
6729
8327
1340
1801
1219
4360
STORAGE
TU101C
19 m²
HANGAR DOOR (EXST.)
TACTILE FLOORING INDICATOR
OPEN AREA
TU103
504 m²
MEZZANINE STRUCTURAL COLUMNS (TYP.)
12038
MAKERSPACE
TU101E
94 m²
0
P2
TU101E-2
DOOR (EXST.) BLOCKED OFF
5496
7832
5152
2 A3.1
25329
0
150
EDGE OF RAISED FLOORING
1321
7551
TU101E-1
3664
3395
STORAGE
TU103A
13 m²
2688
3180
1809
211
340
493
TU103A-1
1800
520
3000
TU103-2
150
3000
1:12
RAMP DN
0
6 A7.0
RAMP HANDRAIL (TYP.)
5722
3 A7.0
3602
PRIVACY POD (TYP.)
3518
EDGE OF RAISED FLOORING
3185
W1
5958
6086
6086
6086
1438
3611

1 A2.0 MAIN FLOOR PLAN
SCALE: 1 : 100

RAMP AND HANDRAIL CODE SUMMARY

REGULATED BY PART 3 OF THE NATIONAL BUILDING CODE (2019 ALBERTA EDITION)

BARRIER-FREE RAMPS
(3.8.3.5.)
A RAMP LOCATED IN A BARRIER-FREE PATH OF TRAVEL SHALL:

- HAVE A CLEAR WIDTH OF NOT LESS THAN 870mm
- HAVE A SLOPE NOT LESS THAN 1 IN 12
- BE EQUIPPED WITH HANDRAILS NOT LESS THAN 865mm AND NOT MORE THAN 965mm HIGH
- HAVE A LEVEL AREA NOT LESS THAN 1 200 mm LONG AND AT LEAST THE SAME WIDTH AS THE RAMP AT INTERVALS NOT MORE THAN 9 m ALONG ITS LENGTH

HANDRAILS
(3.4.6.5.)
A RAMP SHALL HAVE HANDRAILS ON BOTH SIDES.
HANDRAILS SHALL BE CONTINUOUSLY GRASPABLE ALONG THEIR ENTIRE LENGTH, FREE OF SHARP OR ABRASIVE ELEMENTS, AND HAVE A CIRCULAR CROSS-SECTION WITH AN OUTSIDE DIAMETER NOT LESS THAN 30 mm AND NOT MORE THAN 43 mm.
HANDRAILS SHALL BE TERMINATED IN A MANNER THAT WILL NOT OBSTRUCT PEDESTRIAN TRAVEL OR CREATE A HAZARD.
AT LEAST ONE HANDRAIL AT THE SIDE OF A RAMP SHALL EXTEND HORIZONTALLY NOT LESS THAN 300 mm BEYOND THE TOP AND BOTTOM OF THE RAMP.

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PROJECT
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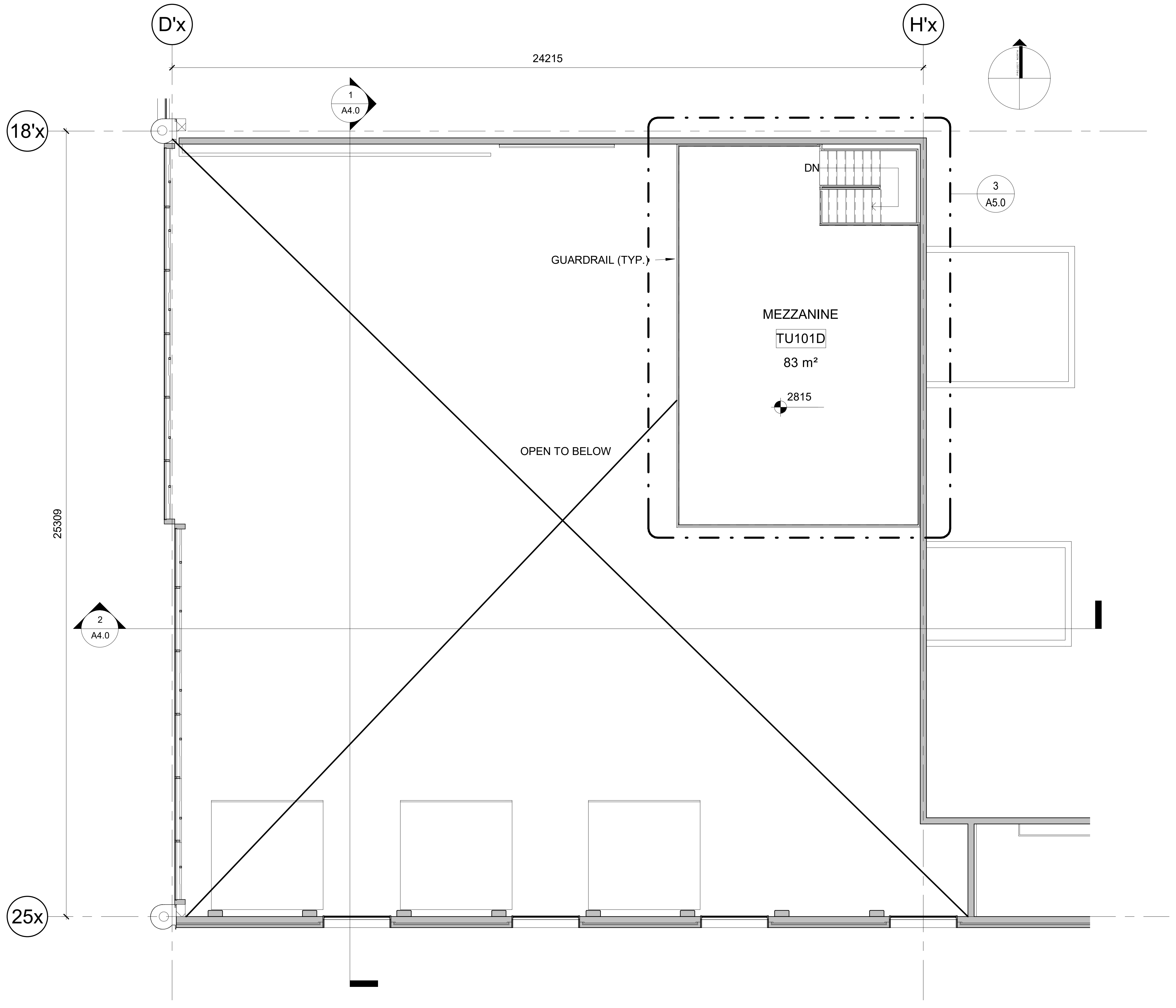
A/B/J/K/P	WT/LS	04/25/22

TITLE
MAIN FLOOR PLAN

DRAWING NUMBER	SCALE
A2.0	As indicated

2022-04-25 10:08:50 PM


D'x
H'x
24215
18'x
25x
25309
1
A4.0
2
A4.0
3
A5.0
DN
GUARDRAIL (TYP.)
MEZZANINE
TU101D
83 m²
2815
OPEN TO BELOW

1 A2.1 MEZZANINE PLAN
SCALE: 1 : 100

MEZZANINE CODE SUMMARY

REGULATED BY PART 3 OF THE NATIONAL BUILDING CODE (2019 ALBERTA EDITION)

EXCEPTIONS DETERMINING BUILDING HEIGHT:	NOT CONSIDERED A STOREY - DOES NOT EXCEED 40% OF OPEN AREA
MEZZANINE AREA:	83 m^2
OPEN SUITE FLOOR AREA:	504 m^2
MEZZANINE % OF SUITE FLOOR AREA: (3.2.1.1.(3))	16.5%

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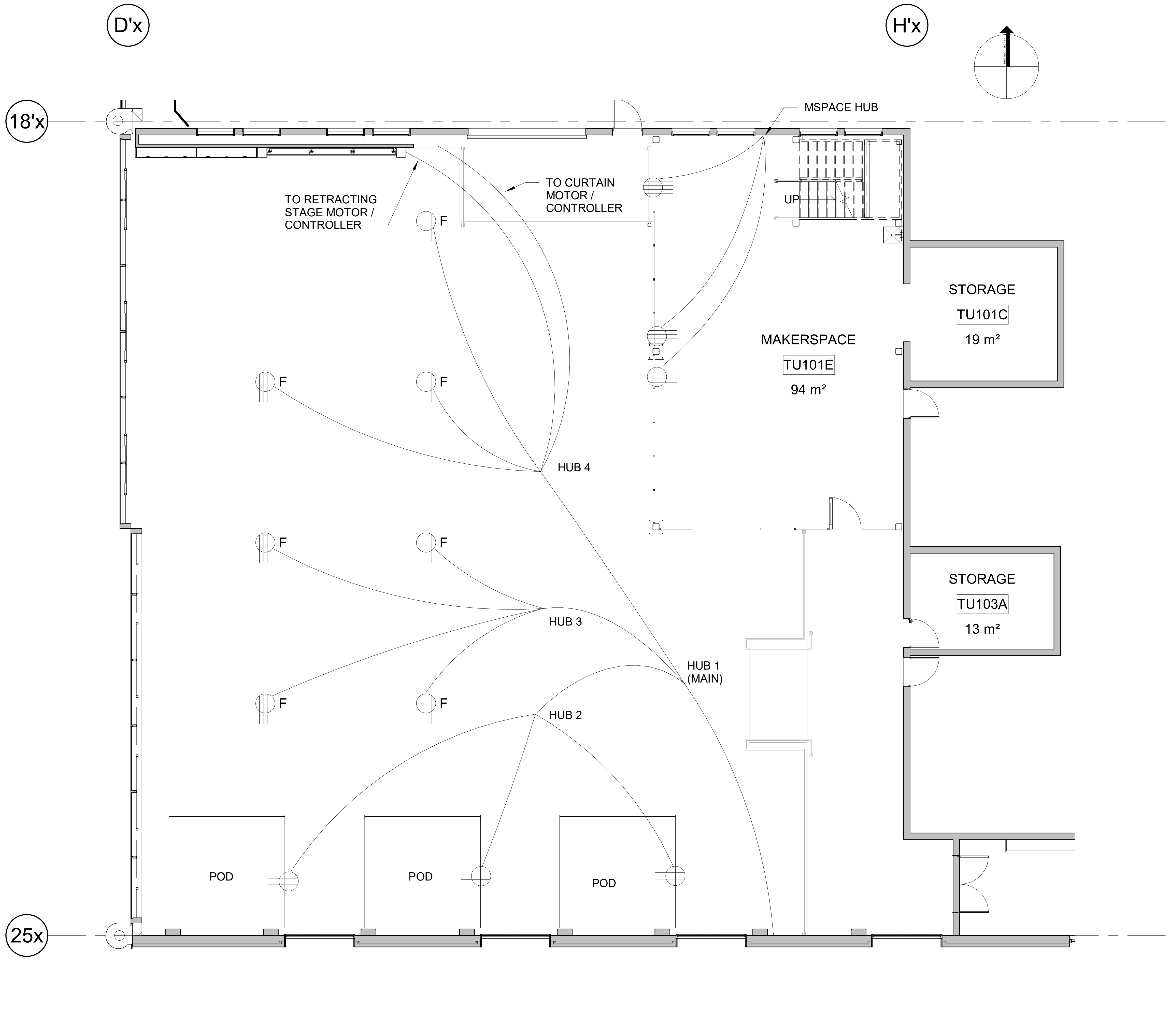
A/B/J/K/P	WT/LS	04/25/22

TITLE
MEZZANINE FLOOR PLAN

DRAWING NUMBER	SCALE
A2.1	As indicated

2022-04-25 10:08:51 PM


D'x
H'x
18'x
25x
MSPACE HUB
TO RETRACTING STAGE MOTOR / CONTROLLER
TO CURTAIN MOTOR / CONTROLLER
UP
F
F
F
F
F
F
F
HUB 4
HUB 3
HUB 2
HUB 1 (MAIN)
MAKERSPACE
TU101E
94 m²
STORAGE
TU101C
19 m²
STORAGE
TU103A
13 m²
POD
POD
POD

1
A2.2

MAIN FLOOR PLAN ELECTRICAL

SCALE: 1 : 100

SYMBOLS	
⦶	ELECTRICAL OUTLET 4 SOCKETS
⦶	ELECTRICAL OUTLET 2 SOCKETS
F	FLOOR MOUNTED

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PROJECT

AECOO Connector

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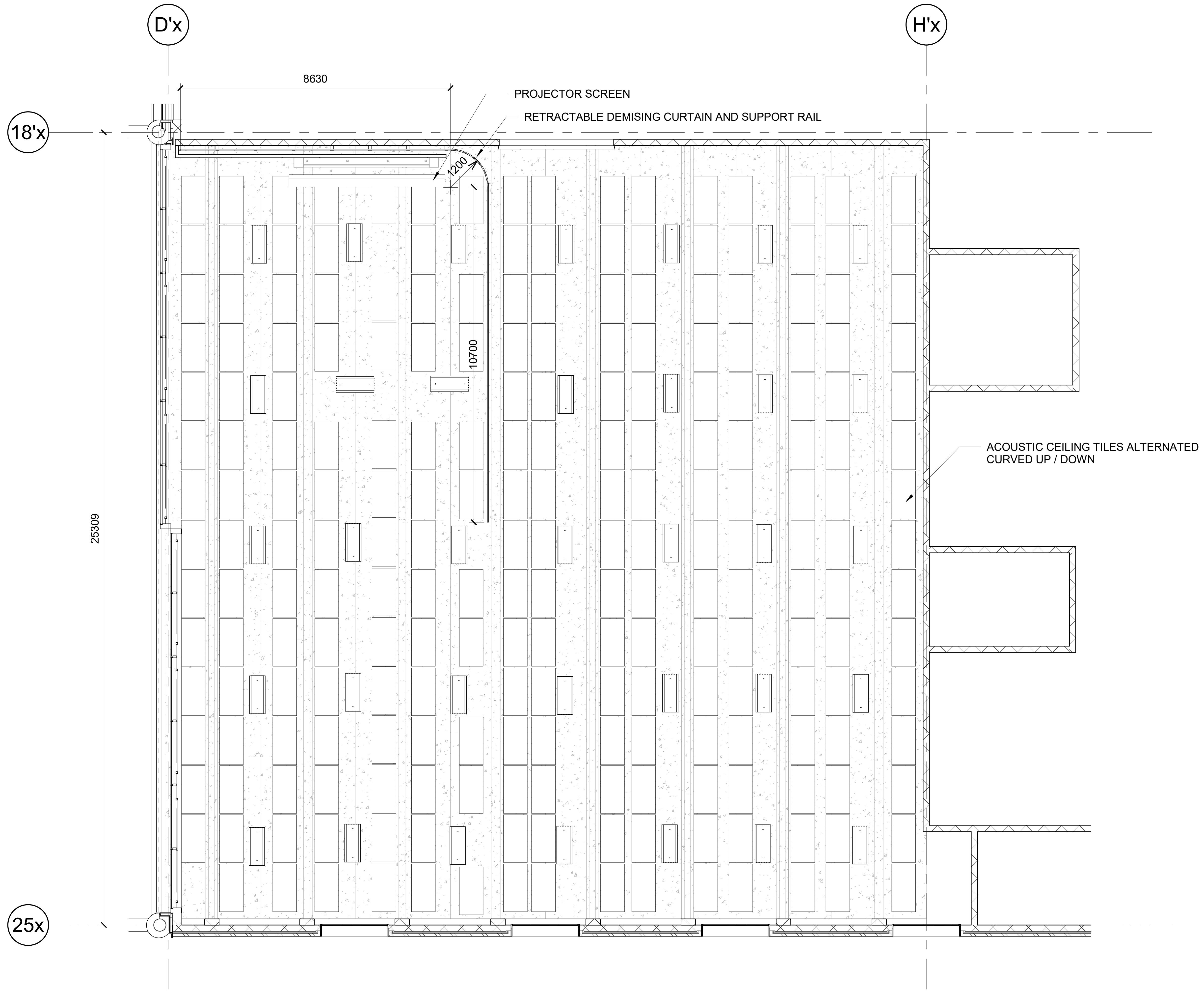
DRAWN BY	CHECKED BY	ISSUE DATE
A/B/J/K/P	WT/LS	04/25/22

TITLE

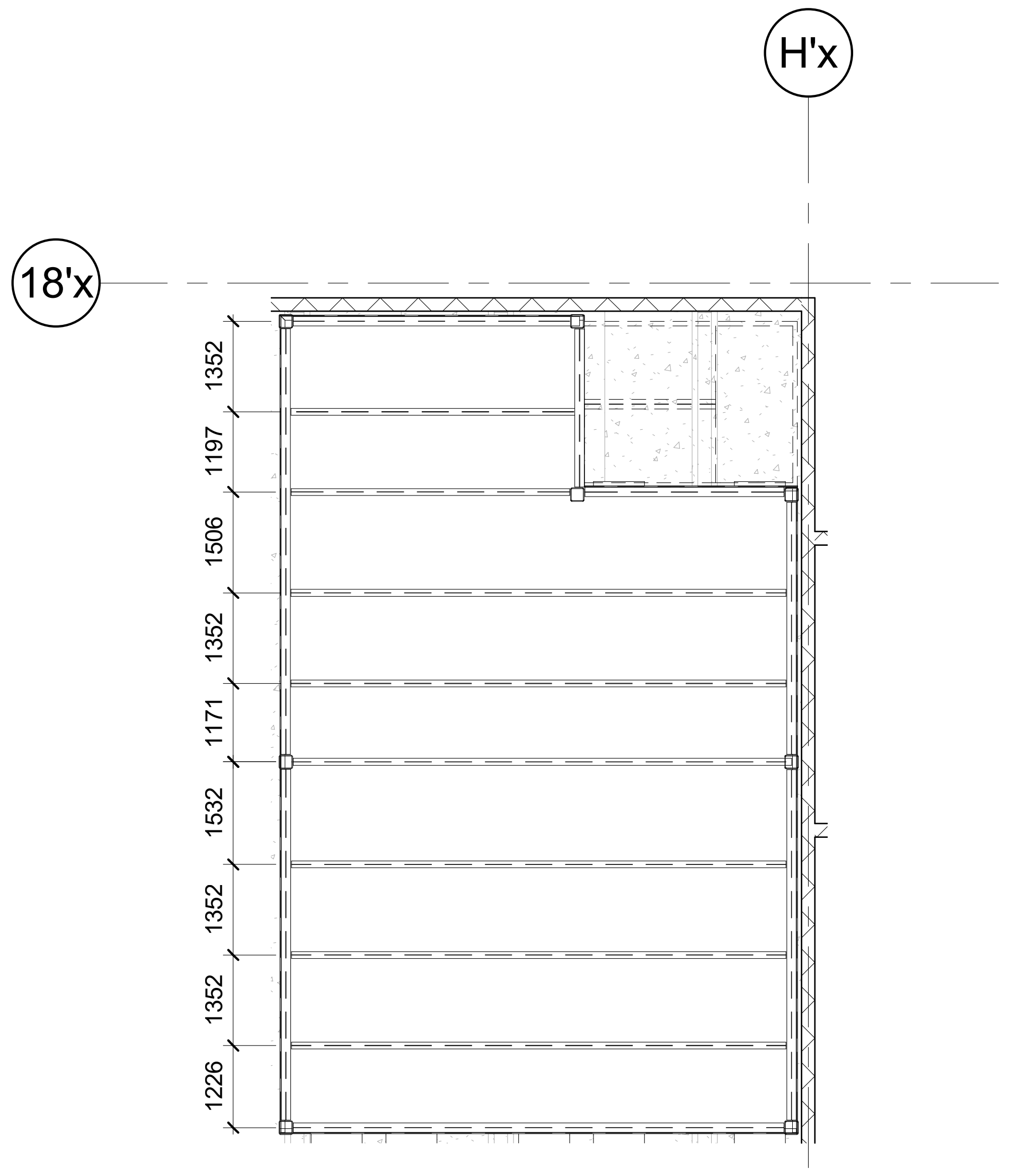
MAIN FLOOR PLAN ELECTRICAL

DRAWING NUMBER	SCALE
A2.2	1 : 100

2022-04-25 10:08:52 PM


D'x
H'x
18'x
25x
8630
PROJECTOR SCREEN
RETRACTABLE DEMISING CURTAIN AND SUPPORT RAIL
1200
10700
25309
ACOUSTIC CEILING TILES ALTERNATED CURVED UP / DOWN

1 A2.3 REFLECTED CEILING PLAN
SCALE: 1 : 100

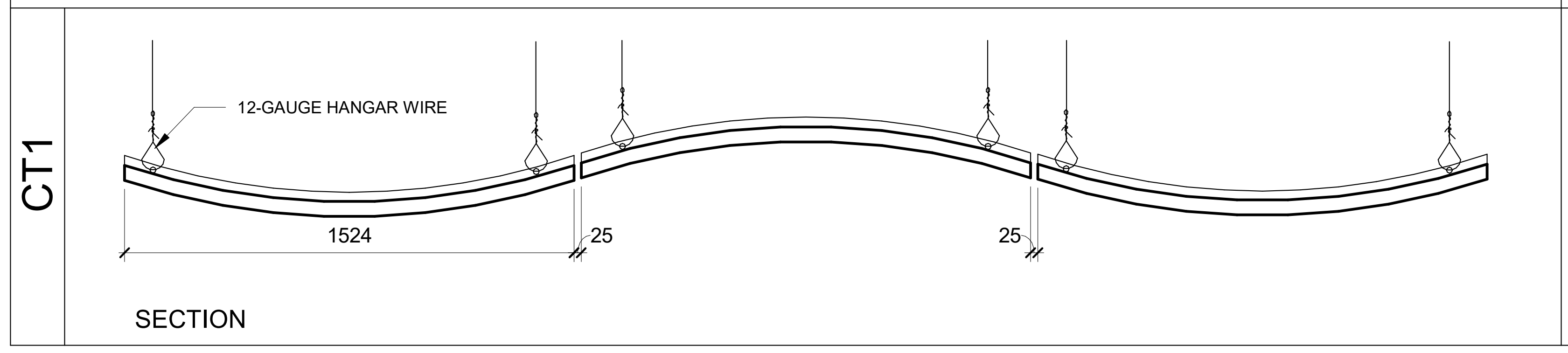

H'x
18'x
1352
1197
1506
1352
1171
1532
1352
1352
1226

2 A2.3 MEZZANINE REFLECTED CEILING PLAN
SCALE: 1 : 100

CEILING PLAN SYMBOLS

▯	TYPICAL HIGH-BAY LIGHT (EXISTING)
□	ACOUSTIC CEILING TILE
▨	EXPOSED U/S OF PRECAST CONCRETE TEE (EXISTING)

TYPICAL ACOUSTIC CEILING TILE


CT1
12-GAUGE HANGAR WIRE
1524
25
25
SECTION

NOTES

- LIGHT GAUGE METAL SUSPENSION SYSTEM
- INSTALLED TO INDICATED PATTERN

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PROJECT
AECOO Connector

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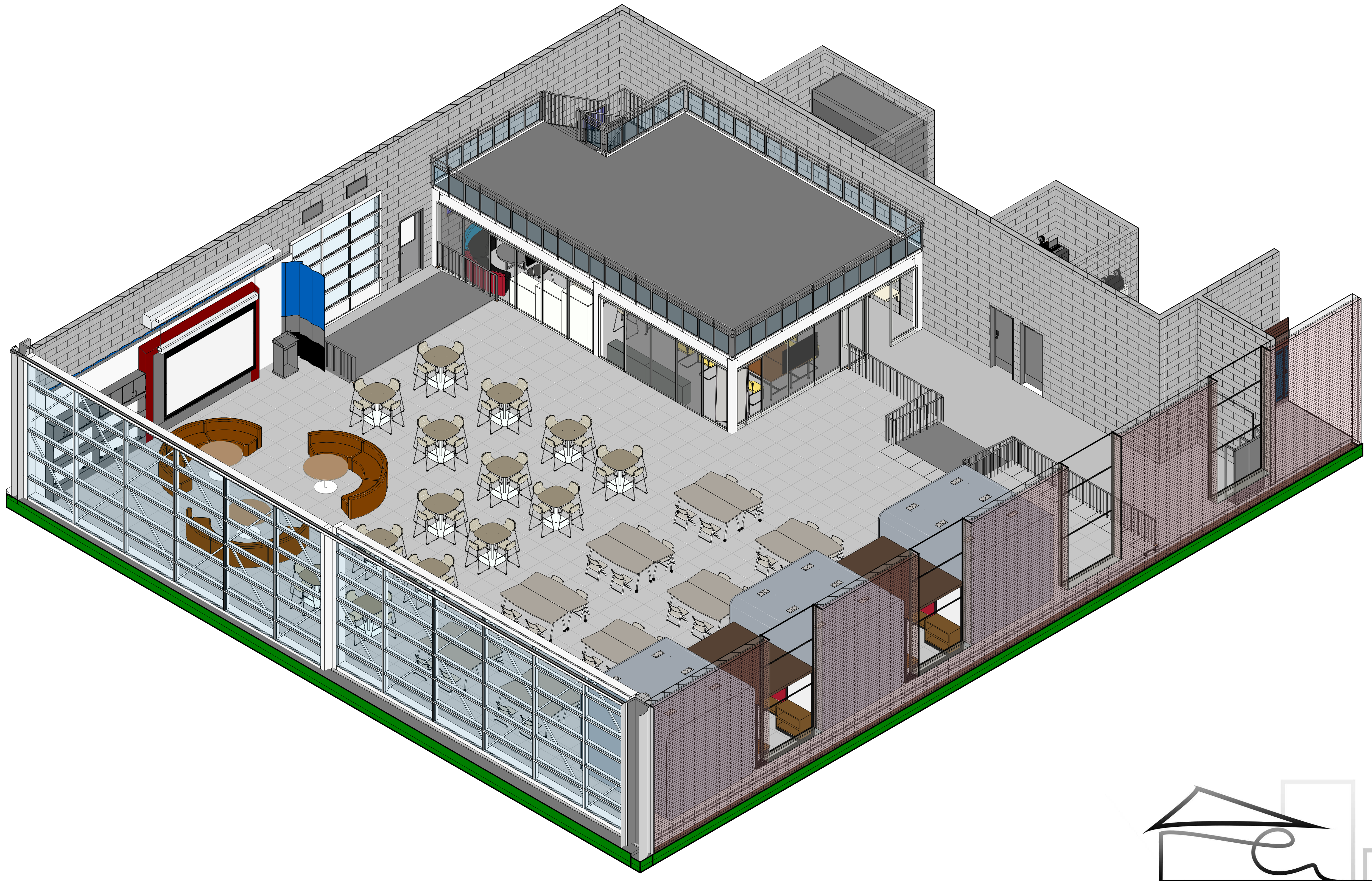
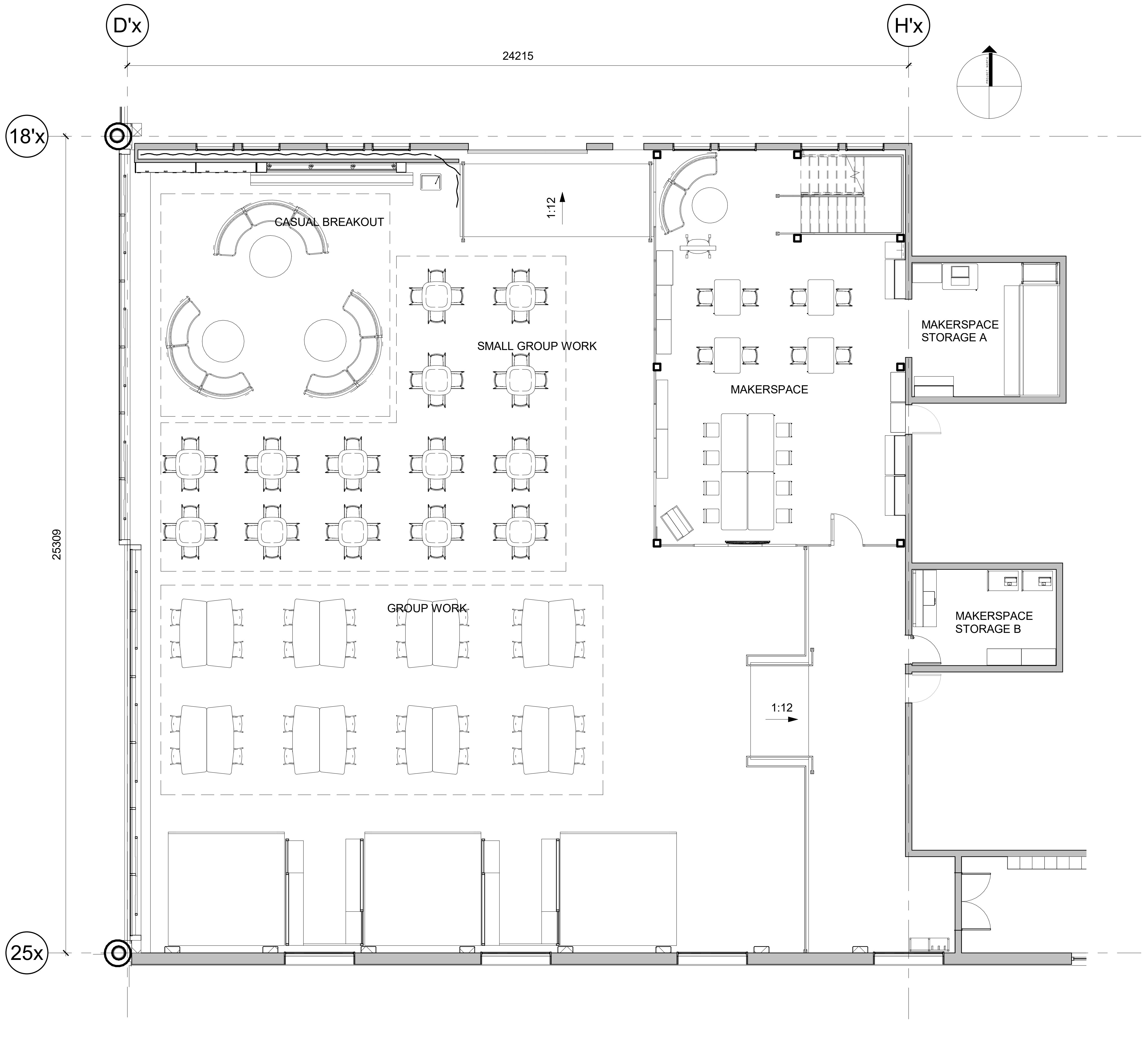
TITLE
REFLECTED CEILING PLAN

DRAWING NUMBER	SCALE
A2.3	As indicated

2022-04-25 10:08:54 PM




D'x
H'x
24215
18'x
25x
25309
CASUAL BREAKOUT
SMALL GROUP WORK
1:12
MAKERSPACE
MAKERSPACE STORAGE A
MAKERSPACE STORAGE B
GROUP WORK
1:12

1 FURNITURE PLAN - DEFAULT
A2.4 SCALE: 1 : 100

FURNITURE LEGEND

FOLDING TABLE
FOLDING CHAIR
HIGH STOOL
HIGH TABLE
CHEVRON TABLE
SOFA
LOW TABLE
MOBILE LECTERN
MOBILE 3D PRINTER WORKSTATION
MOBILE PEGBOARD
ROTARY CABINET
WIDESCREEN TV
3D EXTRUSION PRINTER
CNC MILLING MACHINE
WALL-MOUNTED WORKSTATION
MOBILE WHITEBOARD
MOBILE MEDIA STATION

AREA SCHEDULE - DEFAULT

NAME	AREA	COMMENT
GROUP WORK	89m2	x8 GROUPS OF 4 TO 6
SMALL GROUP WORK	85m2	x14 GROUPS OF 2 TO 4
CASUAL BREAKOUT	49m2	UP TO 16
MAKERSPACE	94m2	LOCKABLE SPACE; SEATING DEPENDING ON LAYOUT IN OPEN AREA
MAKERSPACE STORAGE A	19m2	
MAKERSPACE STORAGE B	13m2	

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2	IR3	04-06-2022
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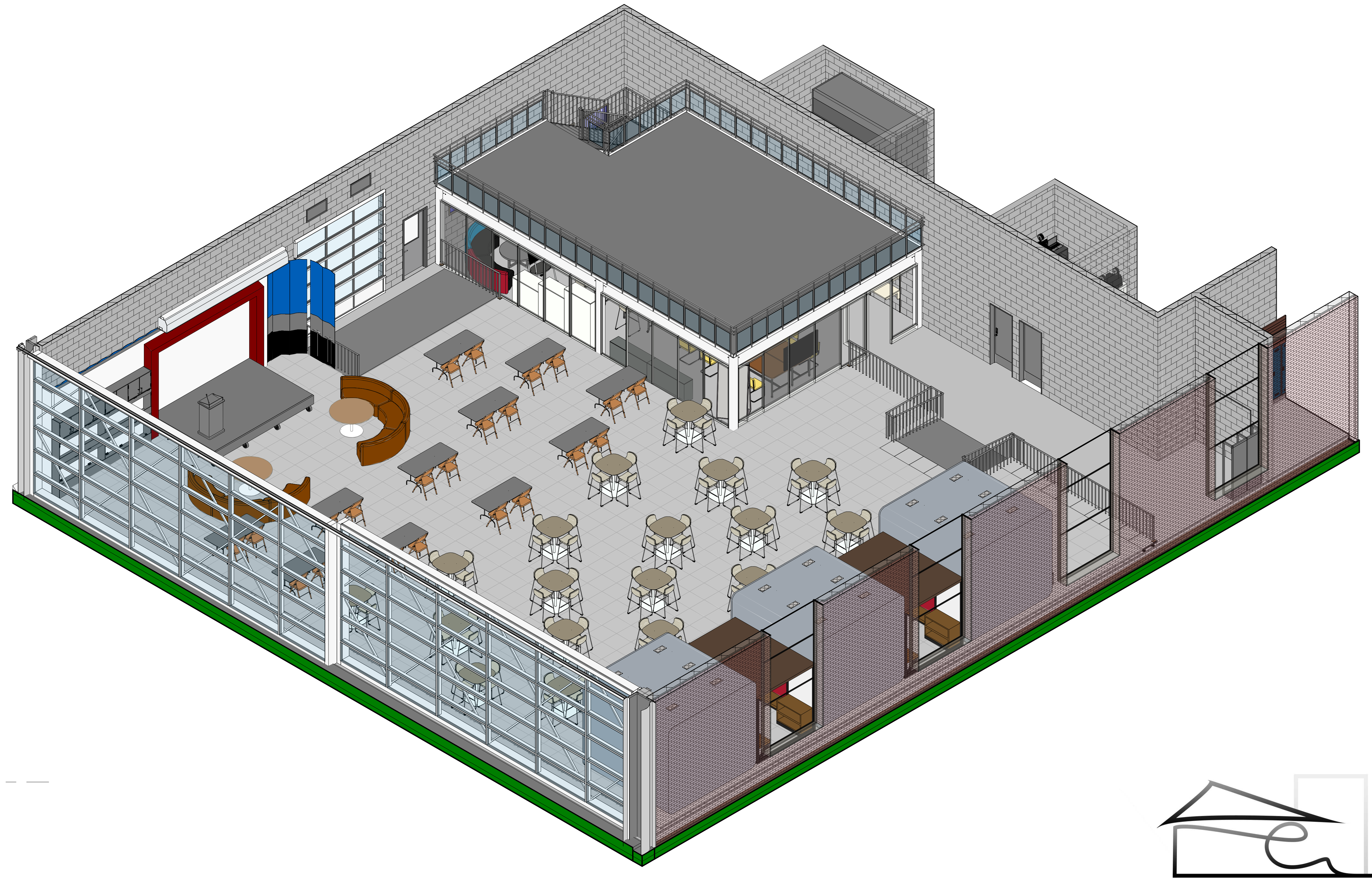
DRAWN BY	CHECKED BY	ISSUE DATE
A/B/J/K/P	WT/LS	04/25/22

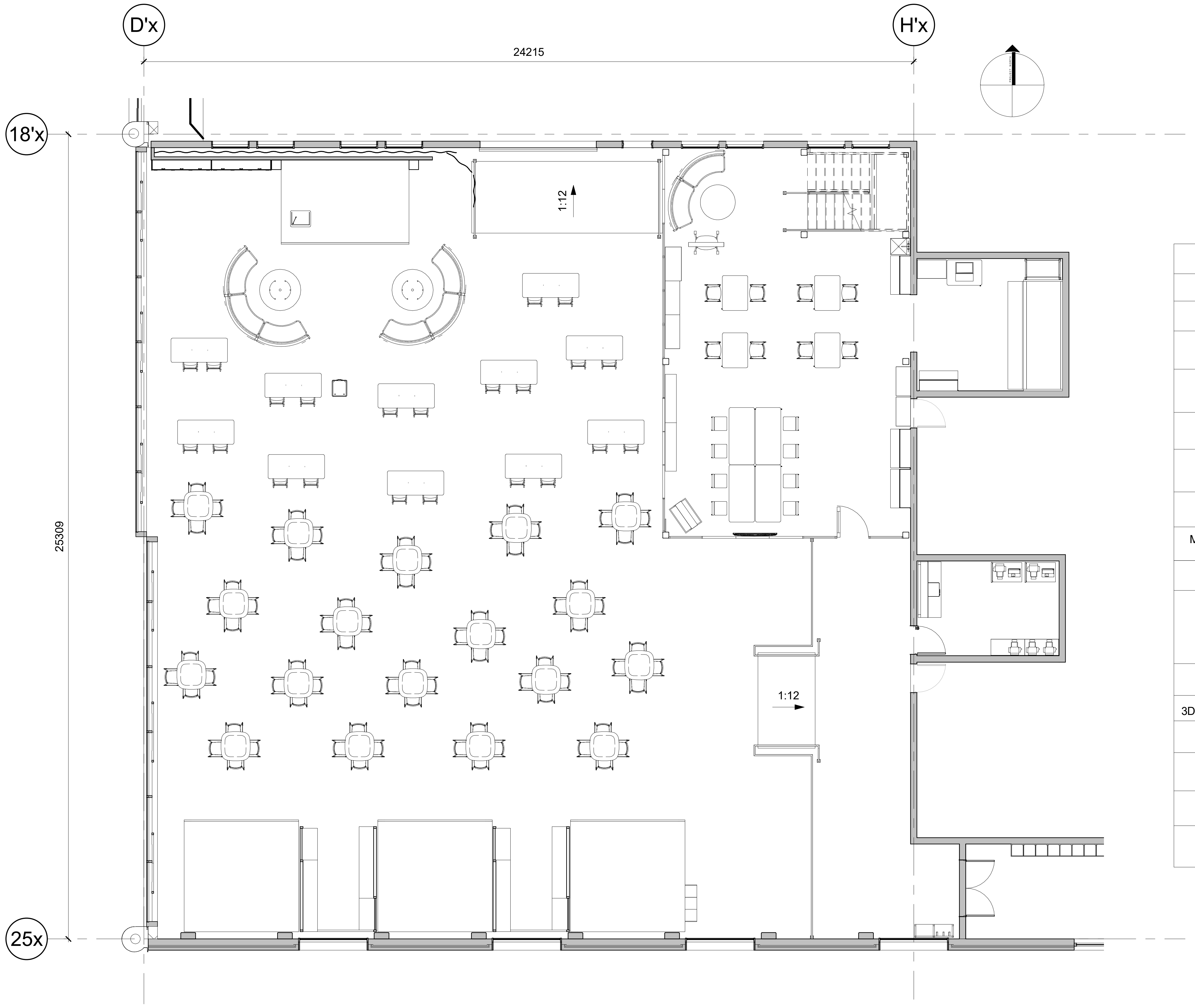
TITLE

FURNITURE PLAN (DEFAULT)

DRAWING NUMBER	SCALE
A2.4	1 : 100

2022-04-25 10:10:18 PM





1 A2.5 FURNITURE PLAN - CONFERENCE
SCALE: 1 : 100

FURNITURE LEGEND

FOLDING TABLE	▭
FOLDING CHAIR	▢
HIGH STOOL	▢
HIGH TABLE	▢
CHEVRON TABLE	▭
SOFA	◡
LOW TABLE	○
MOBILE LECTERN	▢
MOBILE 3D PRINTER WORKSTATION	▭
MOBILE PEGBOARD	▭
ROTARY CABINET	▭
WIDESCREEN TV	▬
3D EXTRUSION PRINTER	□
CNC MILLING MACHINE	□
WALL-MOUNTED WORKSTATION	▭
MOBILE WHITEBOARD	▭
MOBILE MEDIA STATION	▭

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AECOO Connector

PROJECT ADDRESS
1301 16 AVE NW, CALGARY AB

BUILDING NAME
THOMAS RILEY

NO.	DESCRIPTION	DATE
1	IR2	03-09-2022
2	IR3	04-06-2022
3	FINAL SUBMISSION	04-25-2022

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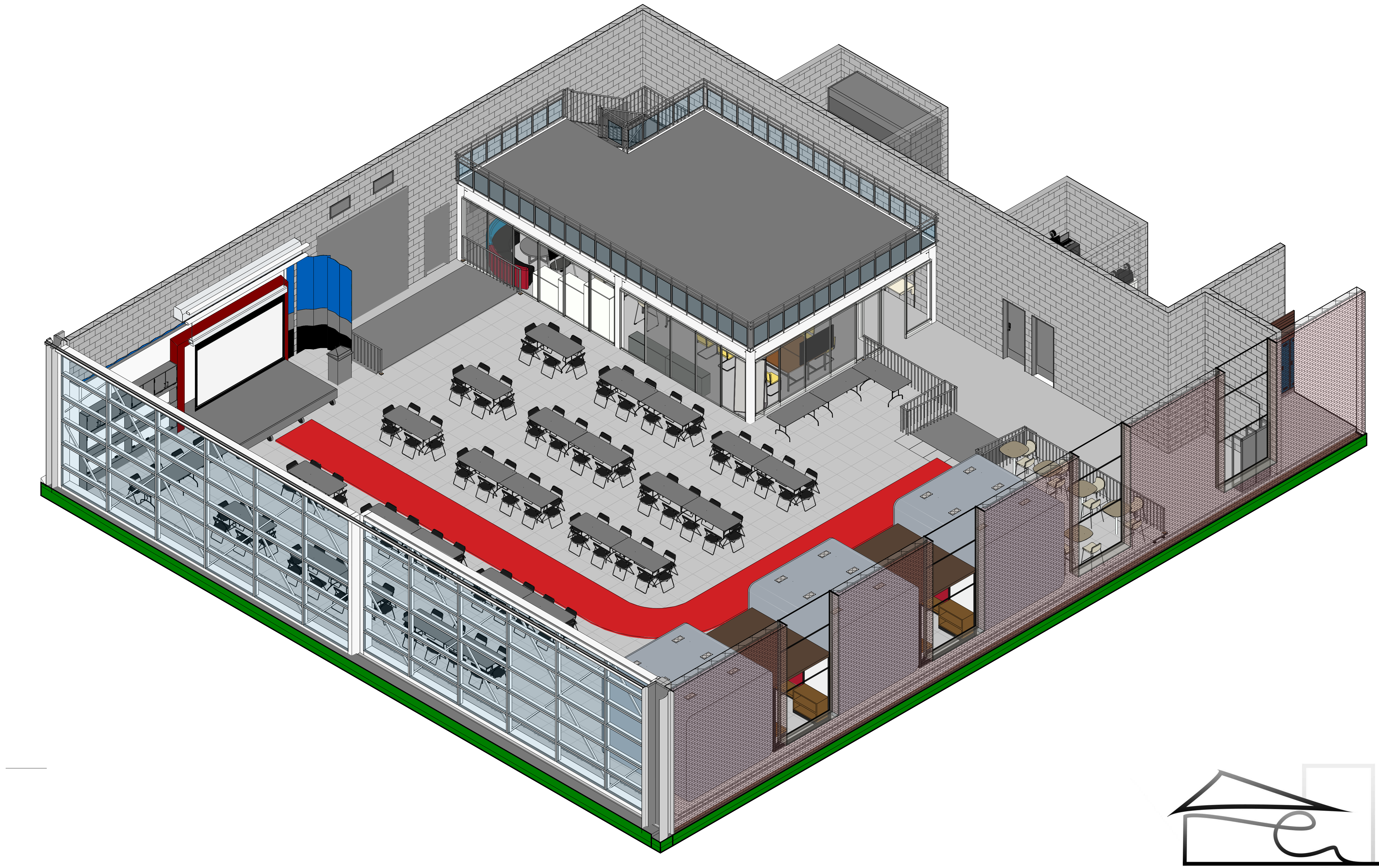
TITLE

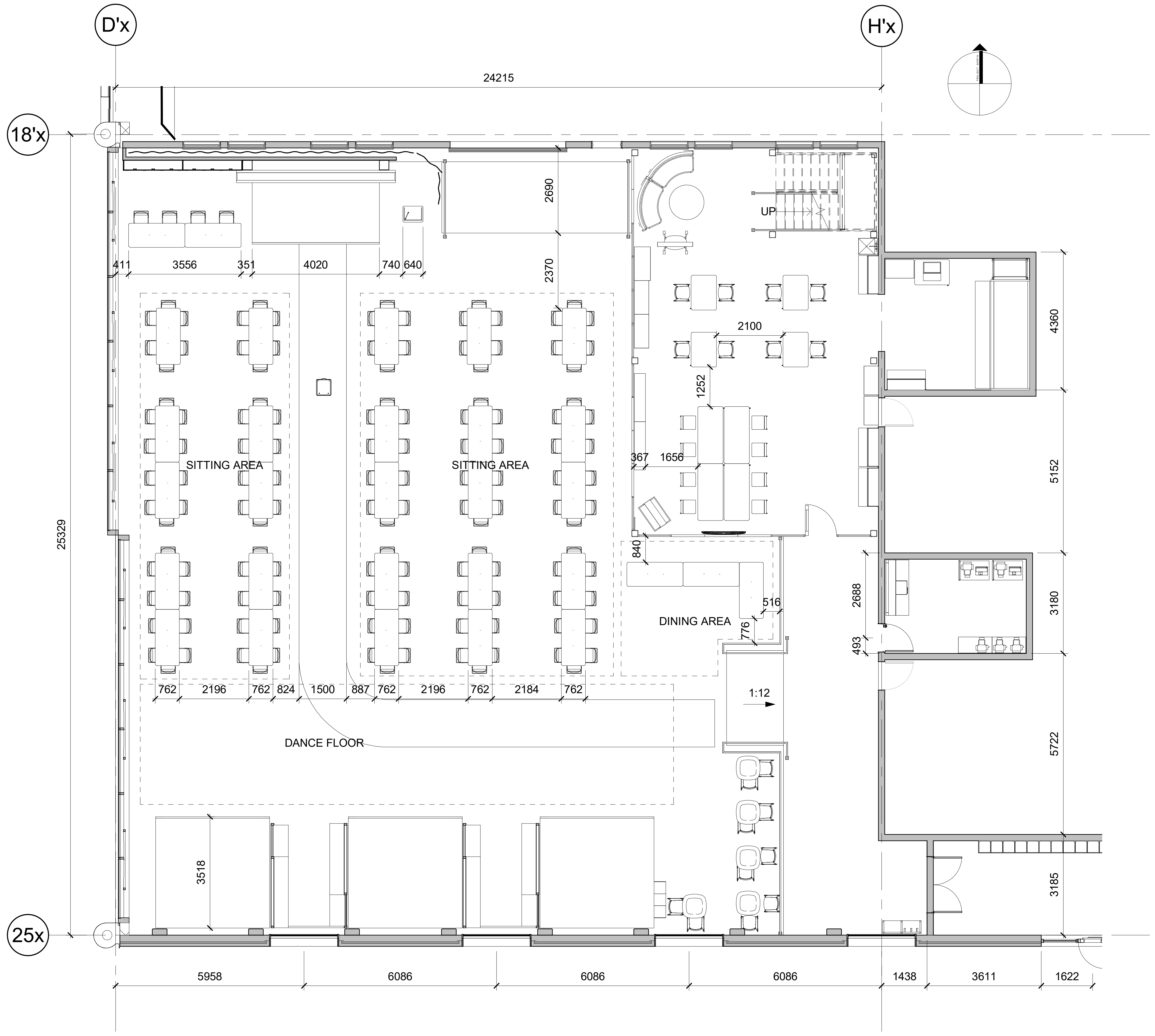
FURNITURE PLAN (CONFERENCE)

DRAWING NUMBER
A2.5

SCALE
1 : 100

2022-04-25 10:11:40 PM





D'x
H'x
18'x
25x
24215
25329
411
3556
351
4020
740
640
2690
2370
UP
2100
1252
367
1656
840
SITTING AREA
SITTING AREA
DINING AREA
516
776
762
2196
762
824
1500
887
762
2196
762
2184
762
1:12
DANCE FLOOR
3518
4360
5152
2688
493
3180
5722
3185
5958
6086
6086
6086
1438
3611
1622

1 FURNITURE PLAN - EVENT
A2.6
SCALE: 1 : 100

FURNITURE LEGEND

- FOLDING TABLE
- FOLDING CHAIR
- HIGH STOOL
- HIGH TABLE
- CHEVRON TABLE
- SOFA
- LOW TABLE
- MOBILE LECTERN
- MOBILE 3D PRINTER WORKSTATION
- MOBILE PEGBOARD
- ROTARY CABINET
- WIDESCREEN TV
- 3D EXTRUSION PRINTER
- CNC MILLING MACHINE
- WALL-MOUNTED WORKSTATION
- MOBILE WHITEBOARD
- MOBILE MEDIA STATION

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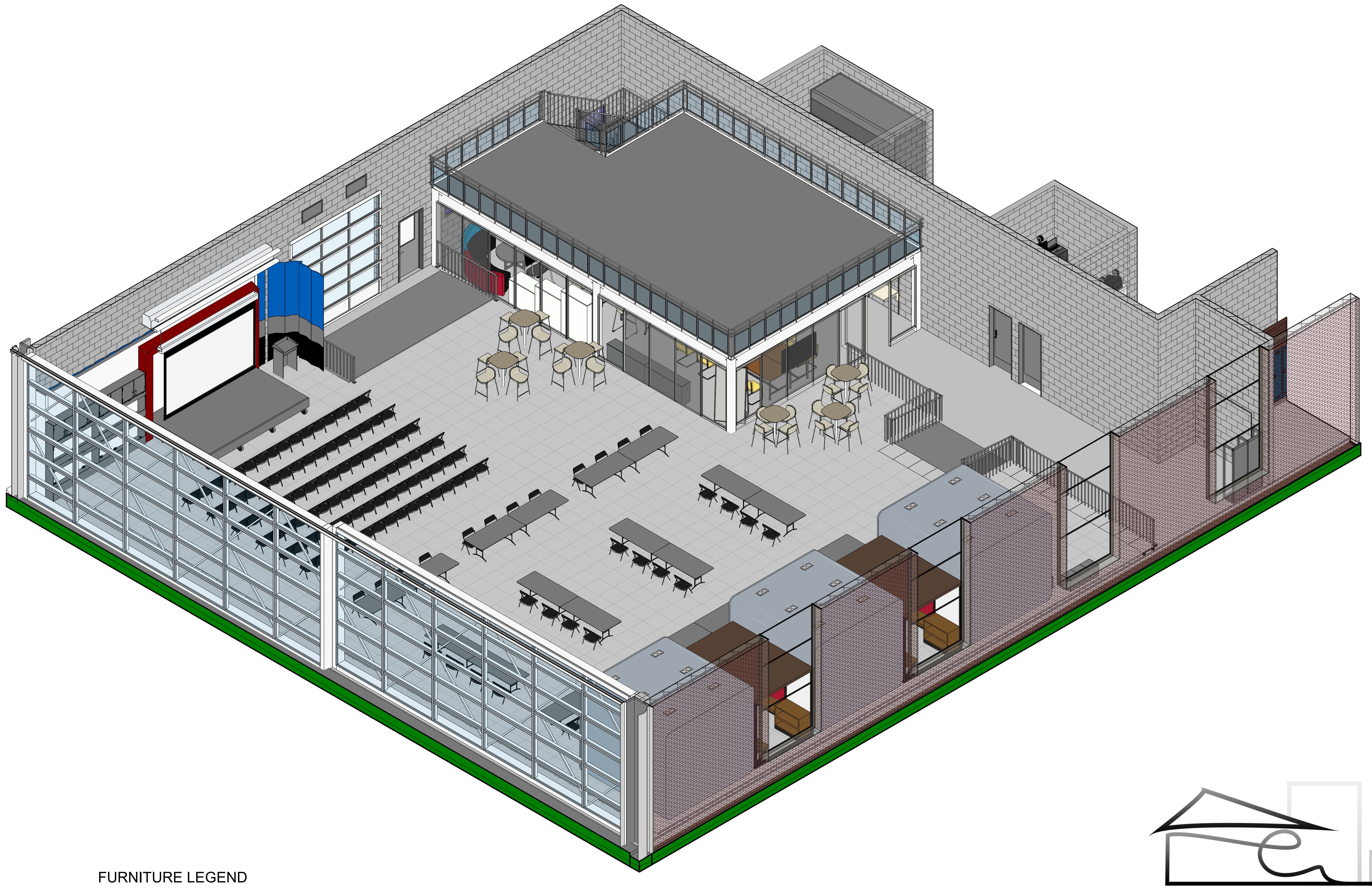
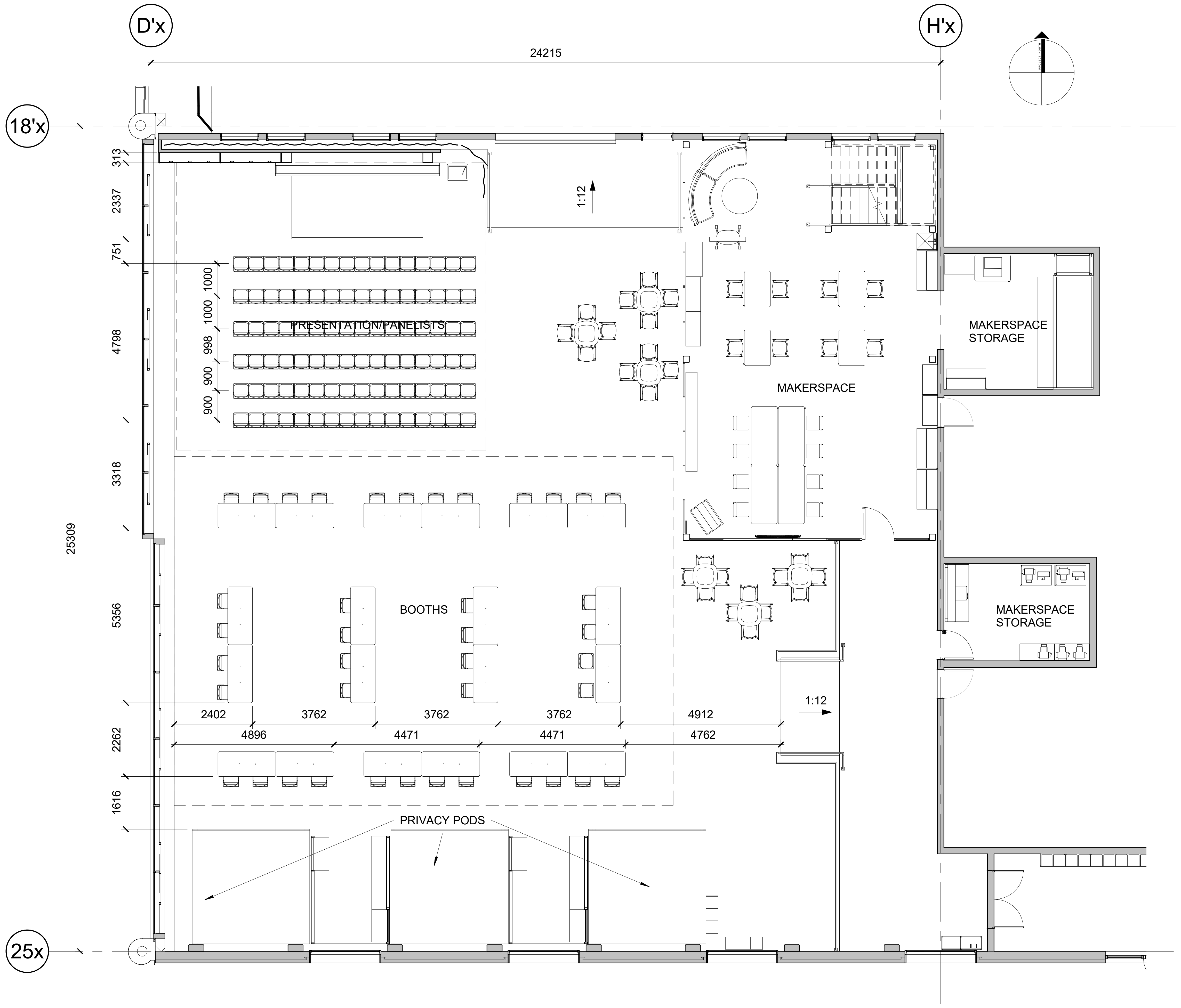
TITLE

FURNITURE PLAN (SPECIAL EVENT)

DRAWING NUMBER	SCALE
A2.6	1 : 100

2022-04-25 10:13:01 PM




D'x
H'x
24215
18'x
25x
25309
313
2337
751
4798
3318
5356
2262
1616
1000
1000
998
900
900
PRESENTATION/PANELISTS
1:12
MAKERSPACE
MAKERSPACE STORAGE
MAKERSPACE STORAGE
BOOTHS
2402
3762
3762
3762
4912
4896
4471
4471
4762
1:12
PRIVACY PODS

1 A2.7 FURNITURE PLAN - EXPO

SCALE: 1 : 100

FURNITURE LEGEND

FOLDING TABLE	▭
FOLDING CHAIR	□
HIGH STOOL	□
HIGH TABLE	□
CHEVRON TABLE	▭
SOFA	◠
LOW TABLE	○
MOBILE LECTERN	□
MOBILE 3D PRINTER WORKSTATION	□
MOBILE PEGBOARD	▭
ROTARY CABINET	▭
WIDESCREEN TV	▬
3D EXTRUSION PRINTER	□
CNC MILLING MACHINE	□
WALL-MOUNTED WORKSTATION	▭
MOBILE WHITEBOARD	▭
MOBILE MEDIA STATION	□

AREA SCHEDULE - EXPO

NAME	AREA	COMMENTS
BOOTHS	164 SQ. M	CAN EXPAND INTO PRESENTATION AREA WHEN UNUSED
PRESENTATIONS/PANELISTS	86 SQ. M	
MAKERSPACE	94 SQ. M	LOCKABLE SPACE; SEATING DEPENDING ON LAYOUT IN OPEN AREA
MAKERSPACE STORAGE	19 SQ. M	
MAKERSPACE STORAGE	13 SQ. M	

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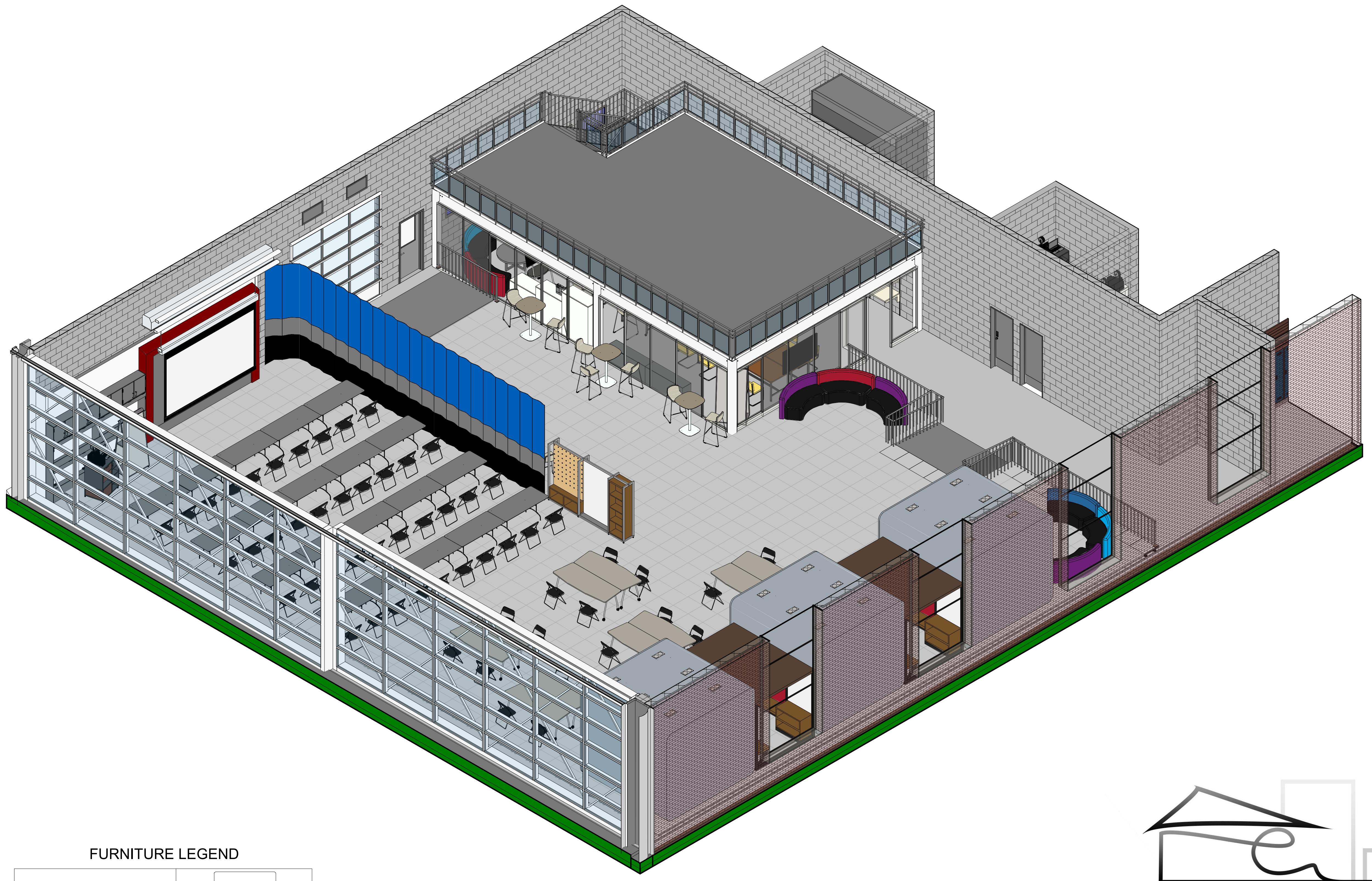
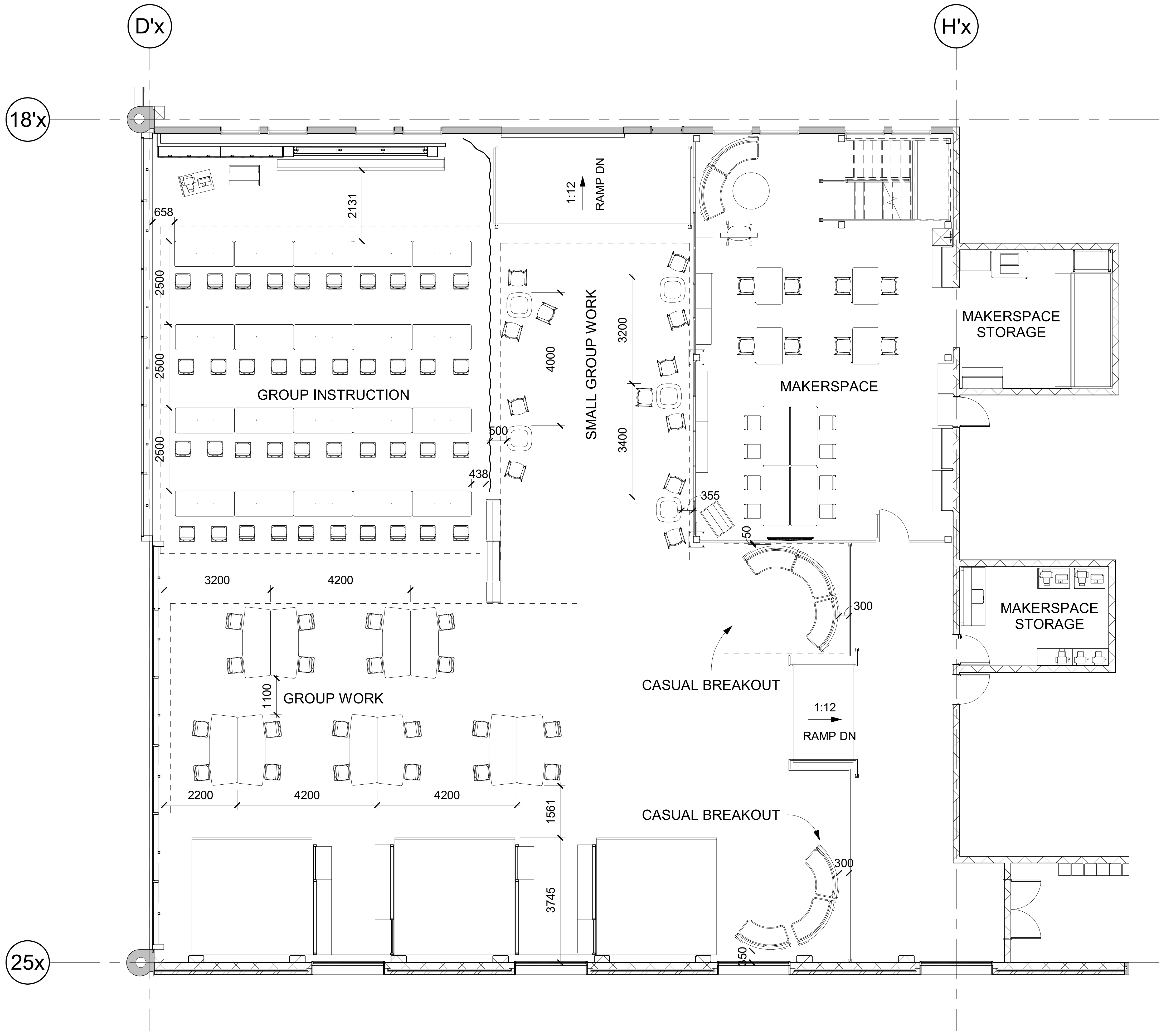
TITLE

FURNITURE PLAN (EXPO)

DRAWING NUMBER	SCALE
A2.7	1 : 100

2022-04-25 10:14:27 PM




D'x
H'x
18'x
25x
658
2131
2500
2500
2500
GROUP INSTRUCTION
1:12
RAMP DN
SMALL GROUP WORK
4000
3200
3400
500
438
355
50
MAKERSPACE
MAKERSPACE STORAGE
MAKERSPACE STORAGE
3200
4200
300
1100
GROUP WORK
CASUAL BREAKOUT
1:12
RAMP DN
2200
4200
4200
1561
CASUAL BREAKOUT
300
3745
350

3 A2.8 FURNITURE PLAN - CLASS/WORKSHOP

SCALE: 1 : 100

FURNITURE LEGEND

FOLDING TABLE	
FOLDING CHAIR	
HIGH STOOL	
HIGH TABLE	
CHEVRON TABLE	
SOFA	
LOW TABLE	
MOBILE LECTERN	
MOBILE 3D PRINTER WORKSTATION	
MOBILE PEGBOARD	
ROTARY CABINET	
WIDESCREEN TV	
3D EXTRUSION PRINTER	
CNC MILLING MACHINE	
WALL-MOUNTED WORKSTATION	
MOBILE WHITEBOARD	
MOBILE MEDIA STATION	

AREA SCHEDULE - CLASS/WORKSHOP

NAME	AREA	COMMENTS
GROUP INSTRUCTION	132 m^2	SEATS UP TO 40
GROUP WORK	76 m^2	10 MODULAR TABLES SEATING UP TO 20; MORE CHAIR AVAIL. IF REQUIRED
SMALL GROUP WORK	54 m^2	5 SMALL TABLES SEATING UP TO 12
CASUAL BREAKOUT	12 m^2	TWO AREAS EACH W/ 3 COUCHES SEATING 6
MAKERSPACE	94 m^2	MODULAR LARGE, SMALL, AND CASUAL BREAKOUT LAYOUTS (SEATS 20)
MAKERSPACE STORAGE	19 m^2	NO PLANNED SEATING
MAKERSPACE STORAGE	13 m^2	NO PLANNED SEATING

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BUILDING NAME

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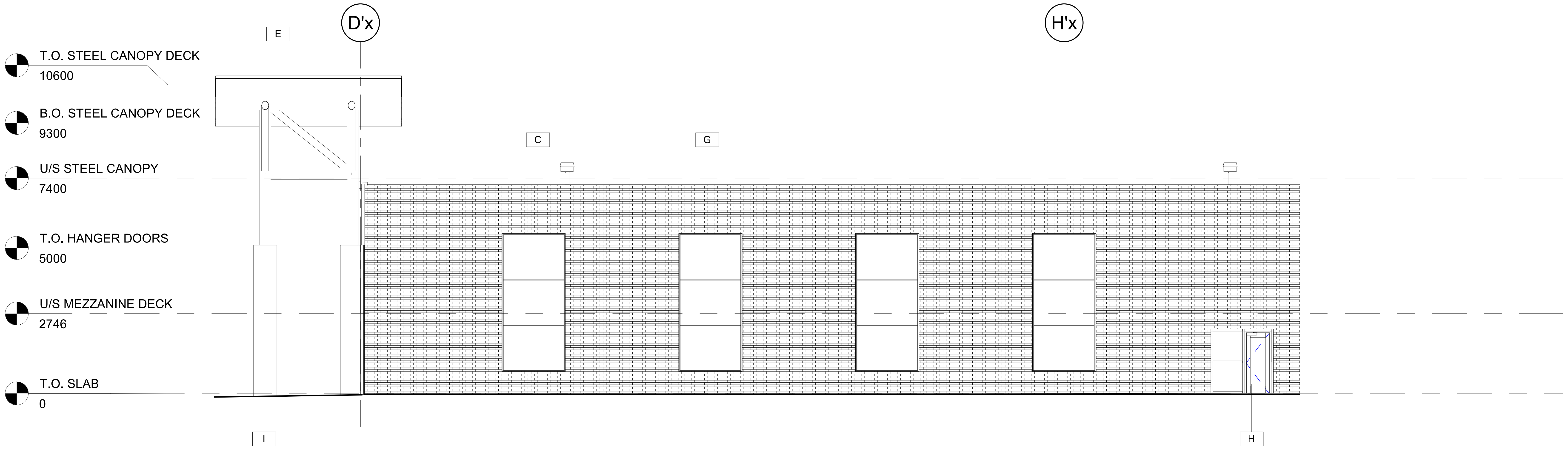
A/B/J/K/P	WT/LS	04/25/22

TITLE

FURNITURE PLAN (CLASS/WORKSHOP)

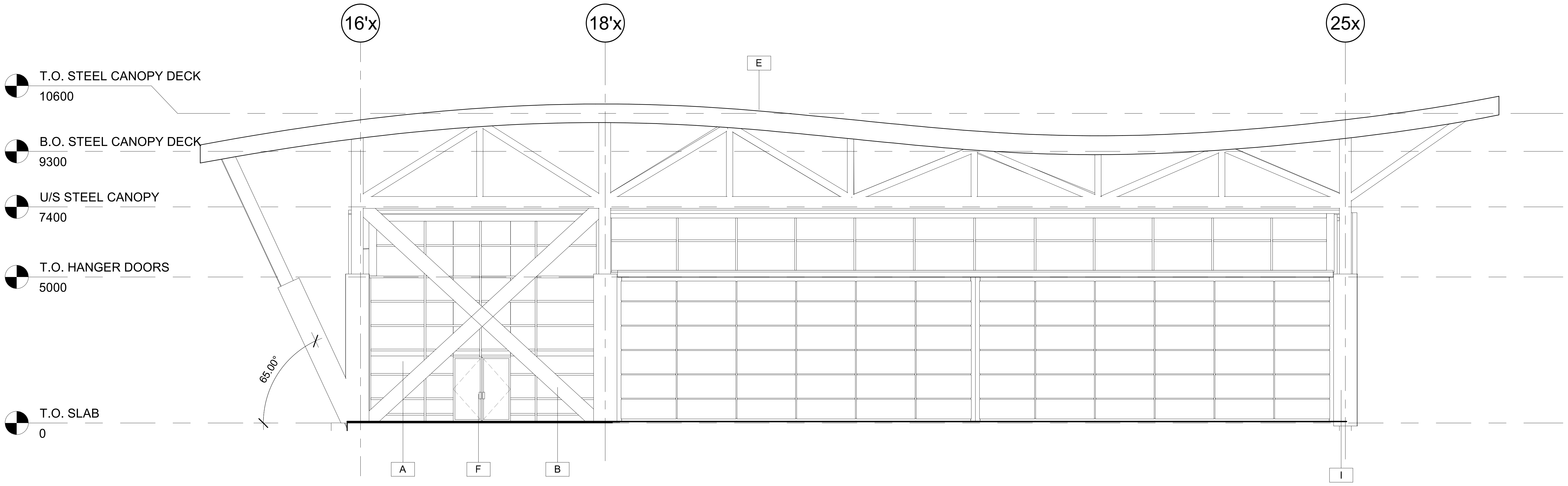
DRAWING NUMBER	SCALE
A2.8	1 : 100

2022-04-25 10:15:39 PM


E
D'x
H'x
T.O. STEEL CANOPY DECK
10600
B.O. STEEL CANOPY DECK
9300
U/S STEEL CANOPY
7400
T.O. HANGER DOORS
5000
U/S MEZZANINE DECK
2746
T.O. SLAB
0
C
G
I
H

1 A3.0 SOUTH ELEVATION - EXISTING TO REMAIN
SCALE: 1 : 100

MATERIAL LEGEND	
MATERIAL TAG	MATERIAL
A	DOUBLE GLAZED SEALED UNITS IN CURTAIN WALL FRAMING SYSTEM
B	COMPOSITE METAL PANELS C/W BACK PAN IN CURTAIN WALL FRAMING SYSTEM
C	PUNCHED WINDOW
E	STEEL CANOPY-CARBOLINE FINISH
F	THERMALLY BROKEN ALUMINIUM ENTRY DOOR
G	BRICK WALL
H	ALUMINIUM DOOR WITH SIDELITE
I	STEEL COLUMN STRUCTURE


16'x
18'x
25x
E
T.O. STEEL CANOPY DECK
10600
B.O. STEEL CANOPY DECK
9300
U/S STEEL CANOPY
7400
T.O. HANGER DOORS
5000
T.O. SLAB
0
65.00°
A
F
B
I

2 A3.0 WEST ELEVATION - EXISTING TO REMAIN
SCALE: 1 : 100

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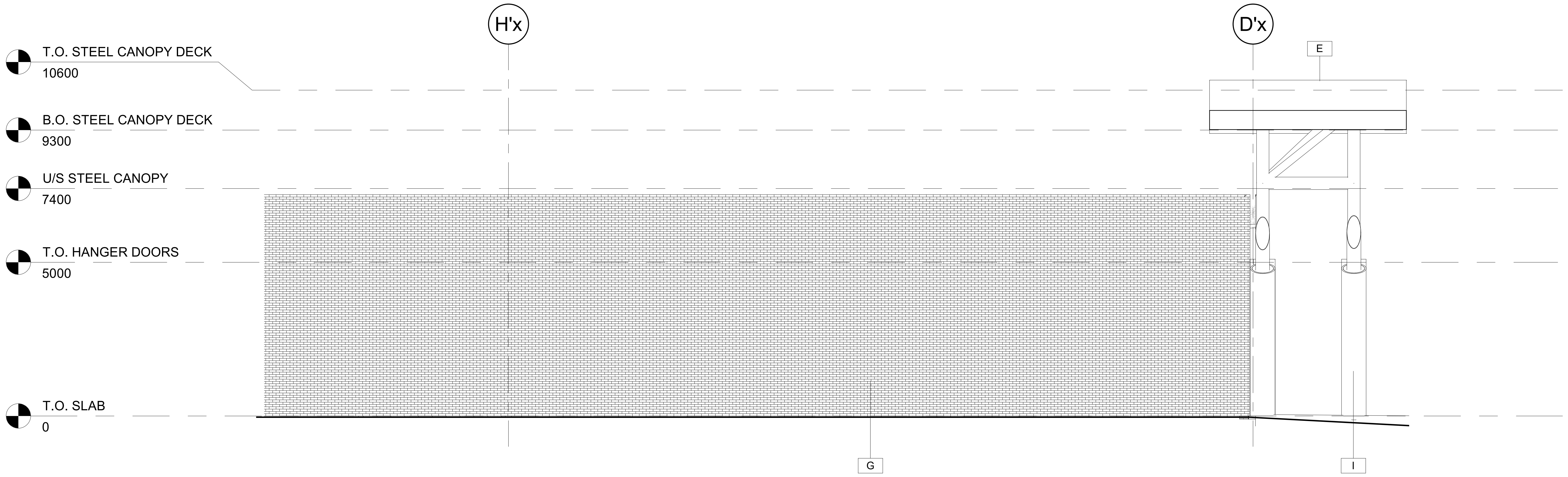
DRAWN BY	CHECKED BY	ISSUE DATE
A/B/J/K/P	WT/LS	04/25/22

TITLE
ELEVATIONS

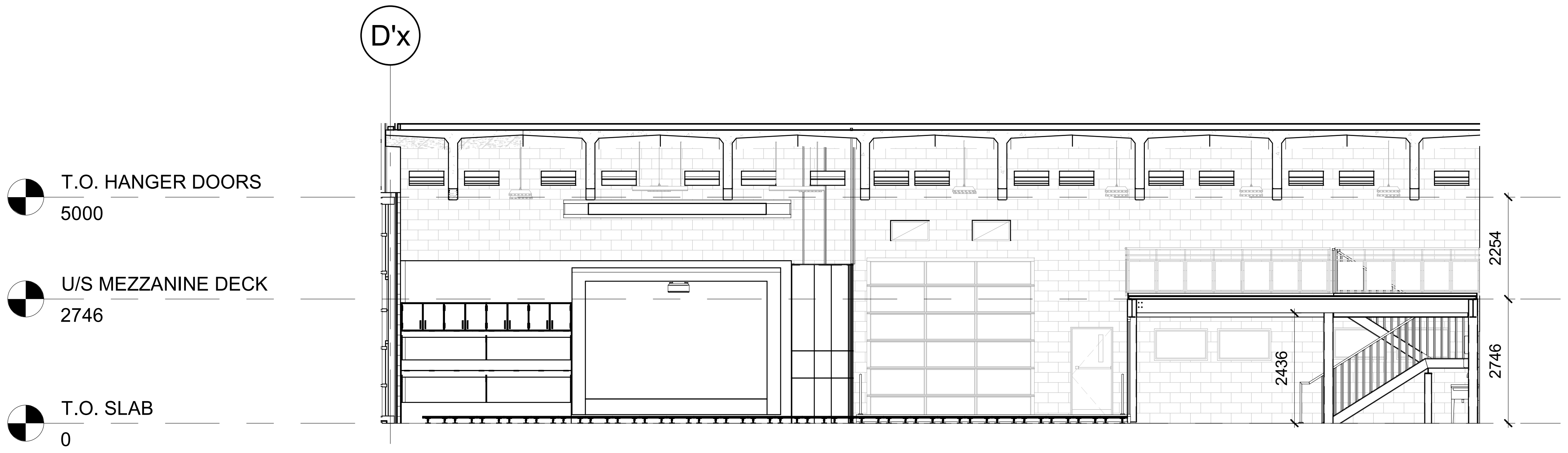
DRAWING NUMBER	SCALE
A3.0	1 : 100

2022-04-25 10:15:56 PM


H'x
D'x
E
T.O. STEEL CANOPY DECK
10600
B.O. STEEL CANOPY DECK
9300
U/S STEEL CANOPY
7400
T.O. HANGER DOORS
5000
T.O. SLAB
0
G
I

1
A3.1
NORTH ELEVATION - EXISTING TO REMAIN
SCALE: 1 : 100

MATERIAL LEGEND	
MATERIAL TAG	MATERIAL
A	DOUBLE GLAZED SEALED UNITS IN CURTAIN WALL FRAMING SYSTEM
B	COMPOSITE METAL PANELS C/W BACK PAN IN CURTAIN WALL FRAMING SYSTEM
C	PUNCHED WINDOW
E	STEEL CANOPY-CARBOLINE FINISH
F	THERMALLY BROKEN ALUMINIUM ENTRY DOOR
G	BRICK WALL
H	ALUMINIUM DOOR WITH SIDELITE
I	STEEL COLUMN STRUCTURE


D'x
T.O. HANGER DOORS
5000
U/S MEZZANINE DECK
2746
T.O. SLAB
0
2254
2436
2746

2
A3.1
INTERIOR ELEVATION NORTH - A
SCALE: 1 : 100

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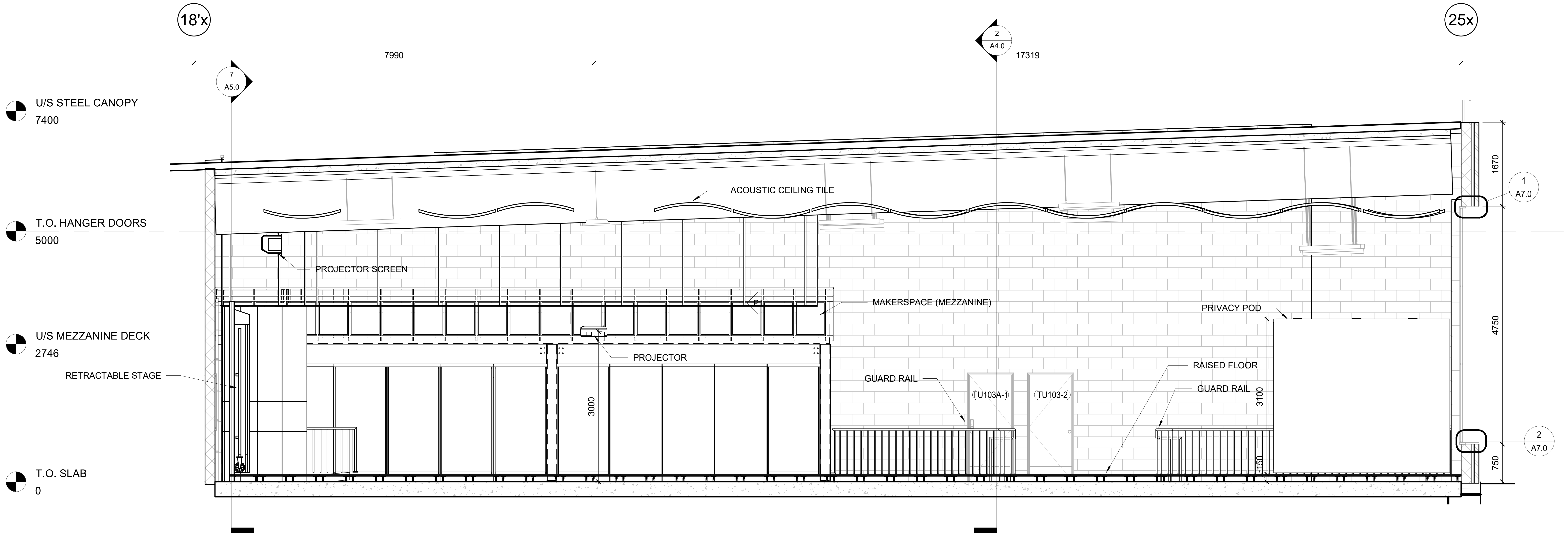
A/B/J/K/P	WT/LS	04/25/22

TITLE
ELEVATIONS

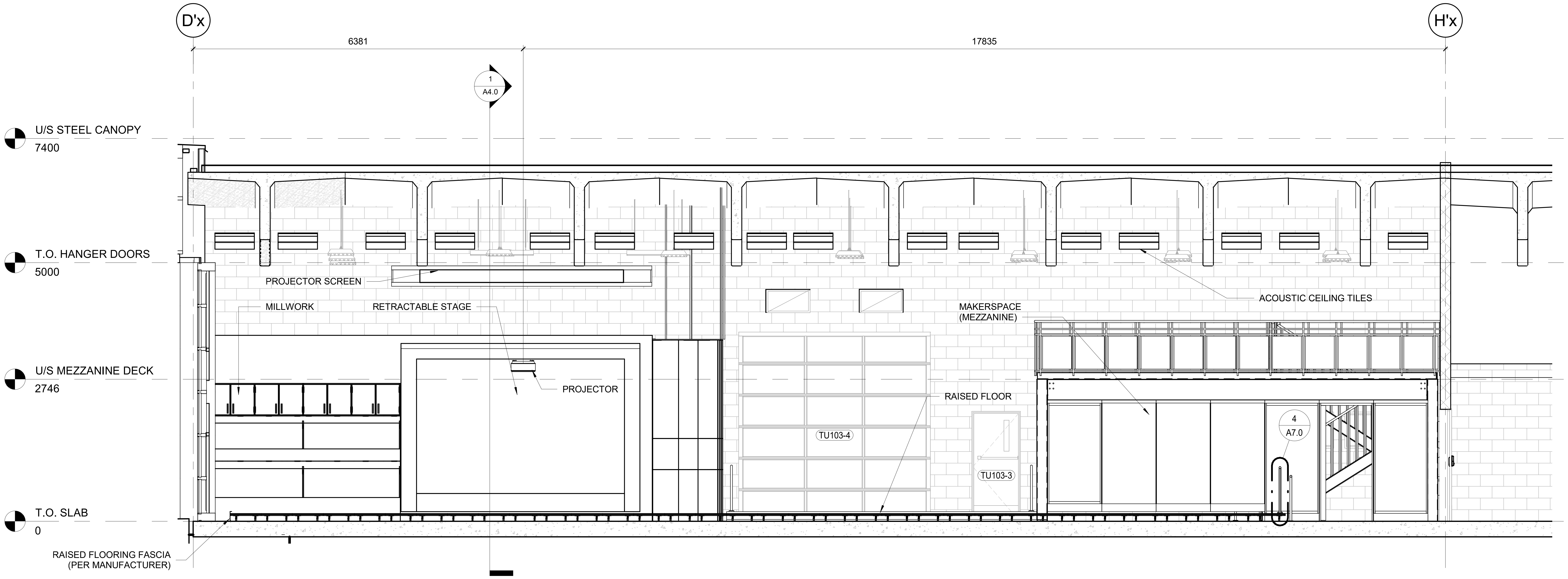
DRAWING NUMBER
A3.1

SCALE
1 : 100

2022-04-25 10:16:07 PM


18'x
25x
7990
17319
2
A4.0
7
A5.0
U/S STEEL CANOPY
7400
T.O. HANGER DOORS
5000
U/S MEZZANINE DECK
2746
T.O. SLAB
0
ACOUSTIC CEILING TILE
PROJECTOR SCREEN
MAKERSPACE (MEZZANINE)
P1
PROJECTOR
RETRACTABLE STAGE
3000
GUARD RAIL
TU103A-1
TU103-2
RAISED FLOOR
GUARD RAIL
3100
PRIVACY POD
1670
4750
750
150
1
A7.0
2
A7.0

1
A4.0
BUILDING SECTION 1
SCALE: 1 : 50


D'x
H'x
6381
17835
1
A4.0
U/S STEEL CANOPY
7400
T.O. HANGER DOORS
5000
U/S MEZZANINE DECK
2746
T.O. SLAB
0
PROJECTOR SCREEN
MILLWORK
RETRACTABLE STAGE
PROJECTOR
ACOUSTIC CEILING TILES
MAKERSPACE
(MEZZANINE)
RAISED FLOOR
TU103-4
TU103-3
4
A7.0
RAISED FLOORING FASCIA
(PER MANUFACTURER)

2
A4.0
BUILDING SECTION 2
SCALE: 1 : 50

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TITLE

BUILDING SECTIONS

DRAWING NUMBER	SCALE
A4.0	1 : 50

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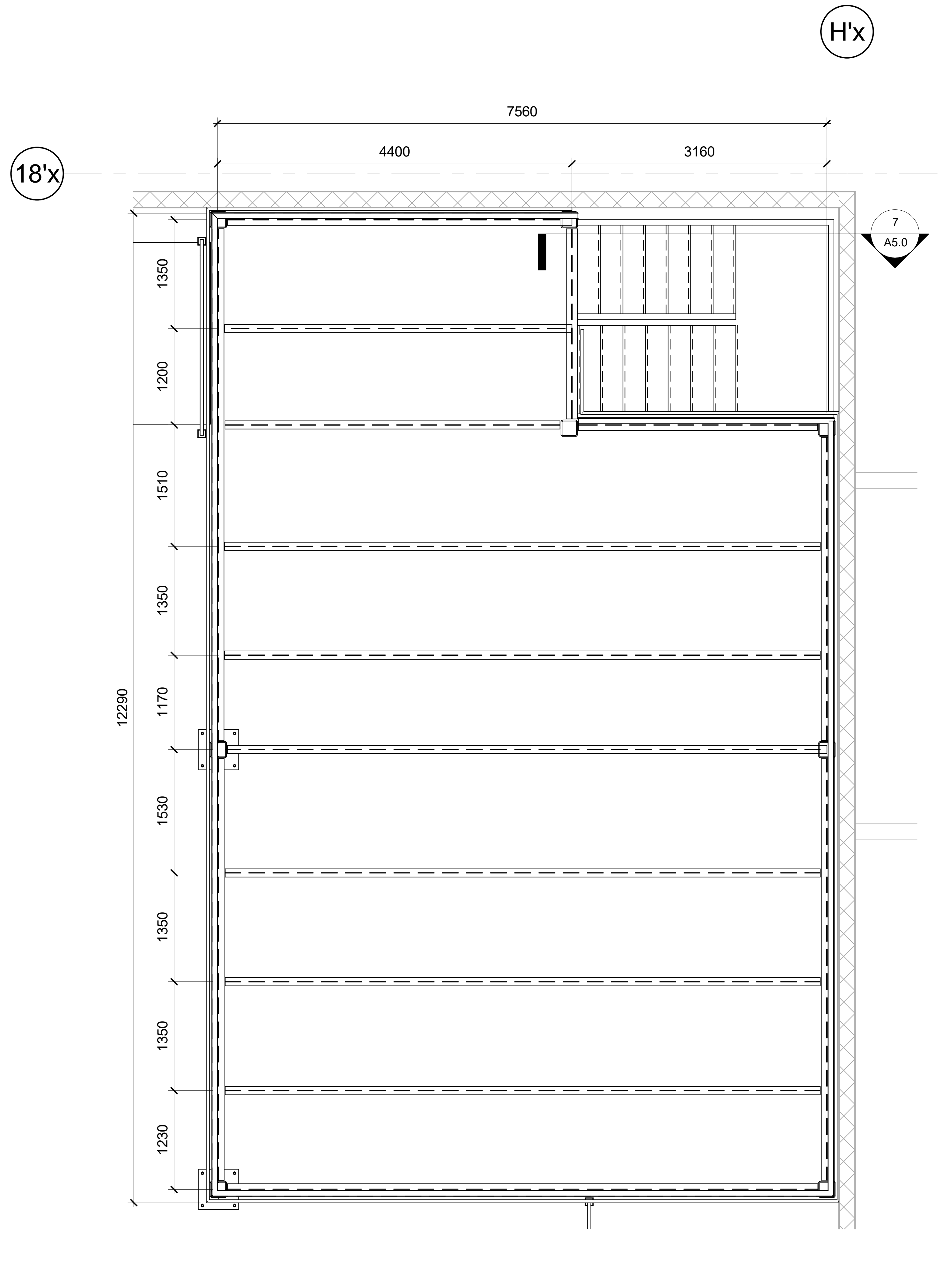
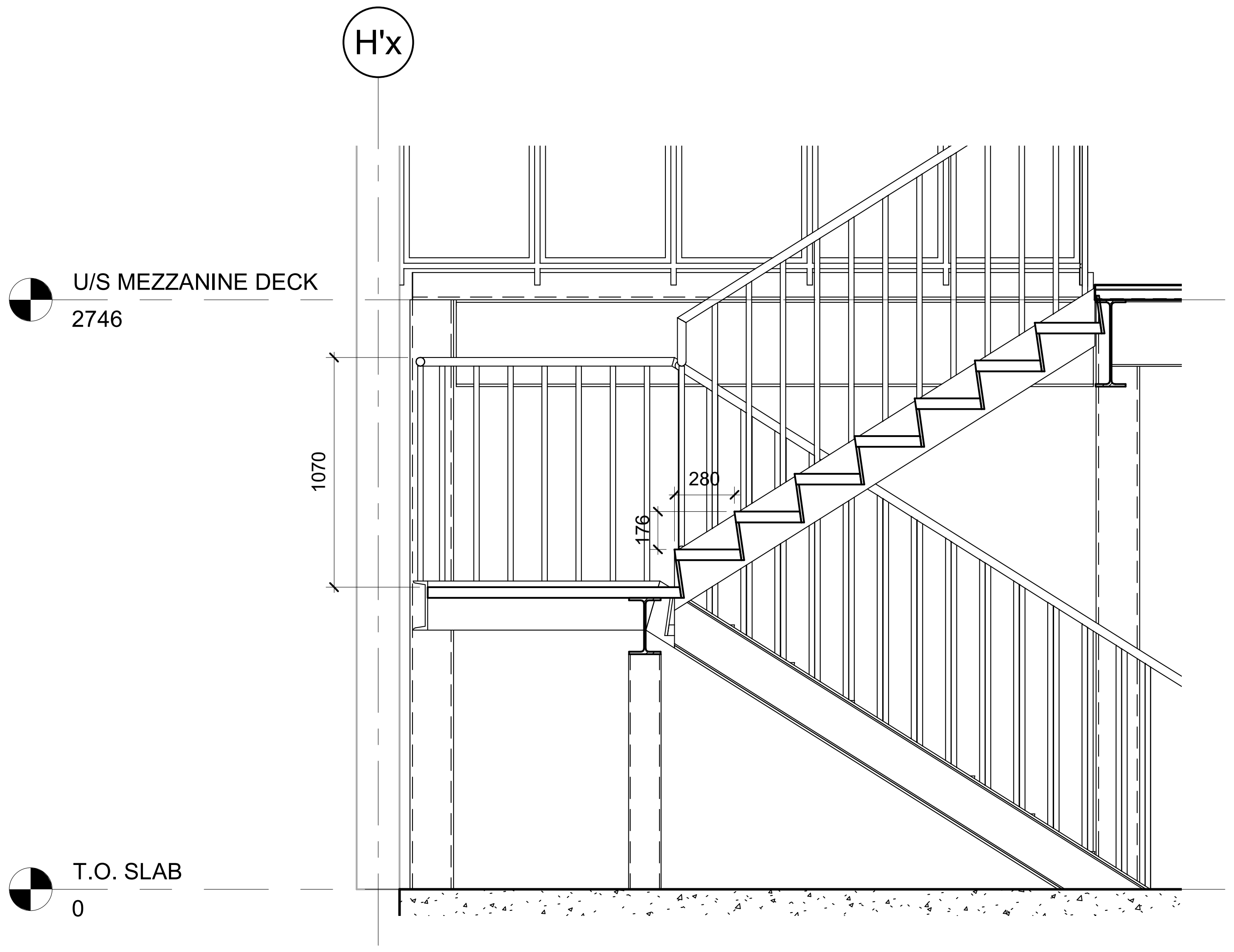
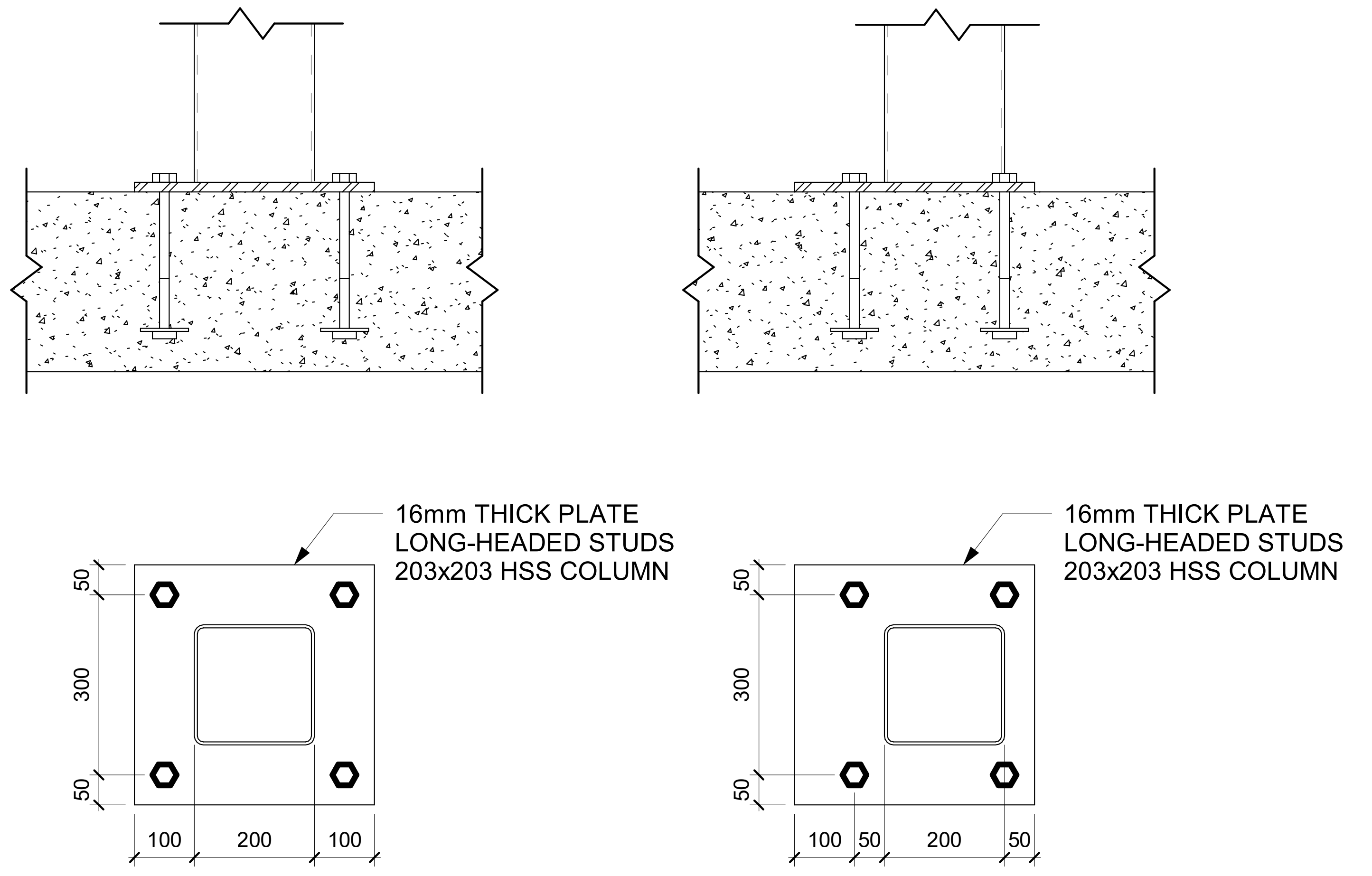

H'x
18'x
7560
4400
3160
7
A5.0
1350
1200
1510
1350
1170
1530
1350
1350
1230
12290

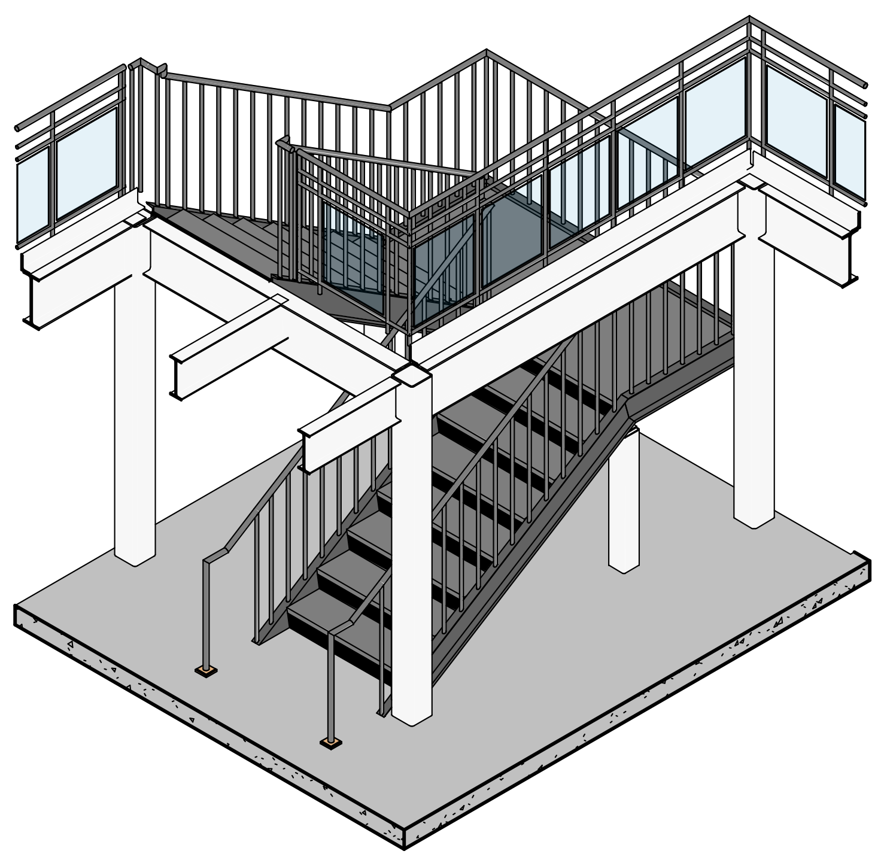
3 A5.0 MEZZANINE PLAN VIEW
SCALE: 1 : 50


H'x
U/S MEZZANINE DECK
2746
T.O. SLAB
0
1070
280
176

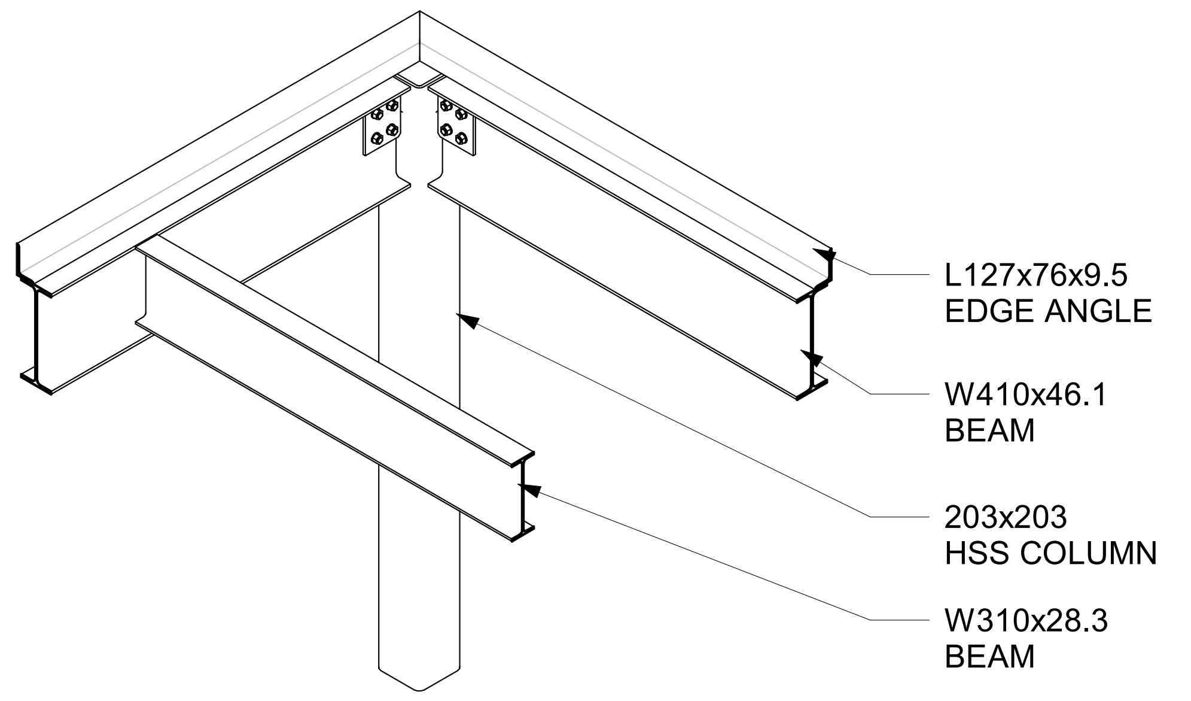
7 A5.0 MEZZANINE STAIRS SECTION
SCALE: 1 : 25


16mm THICK PLATE
LONG-HEADED STUDS
203x203 HSS COLUMN
50
300
50
100
200
100
16mm THICK PLATE
LONG-HEADED STUDS
203x203 HSS COLUMN
50
300
50
100
50
200
50

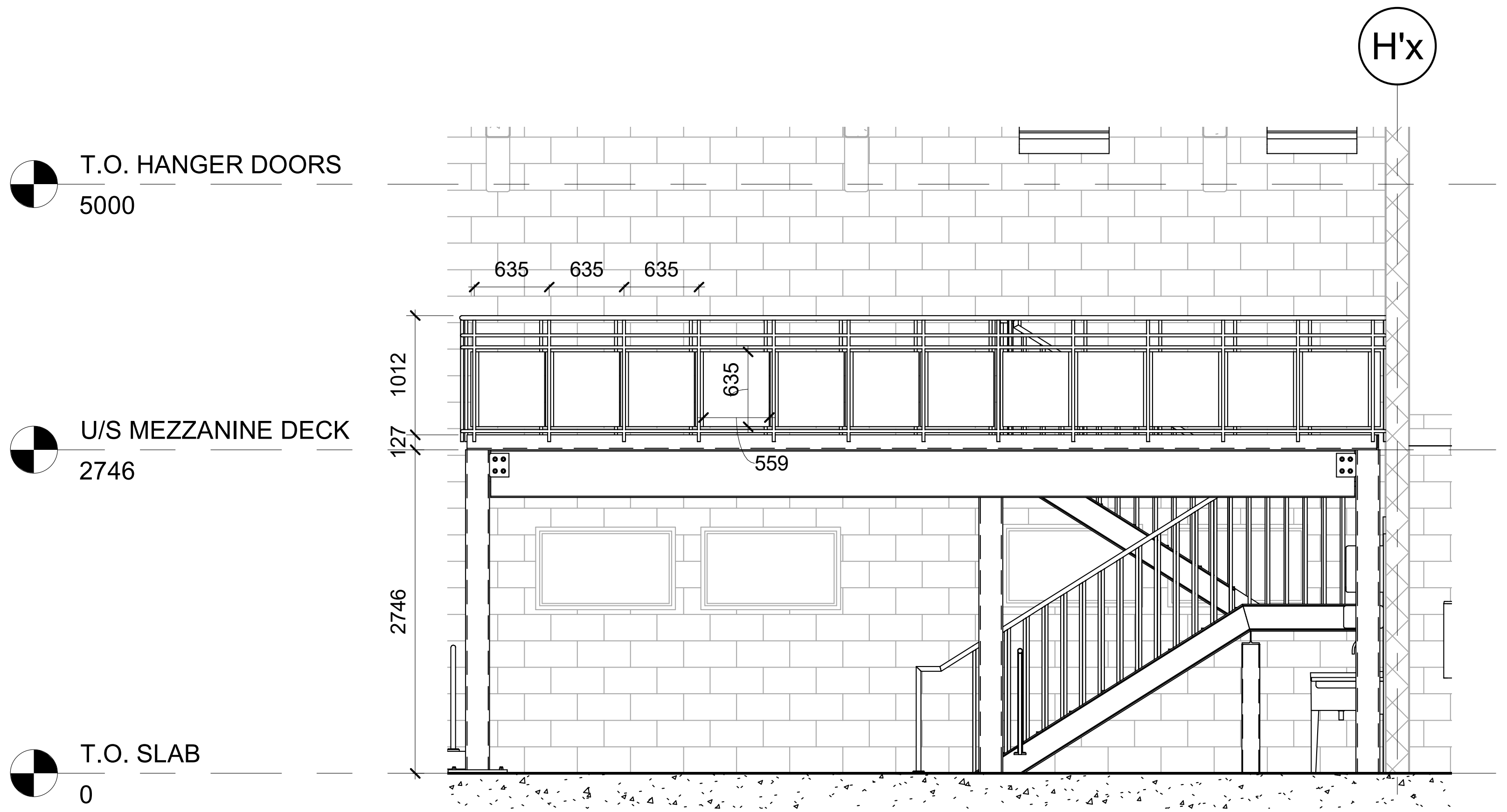
6 A5.0 EMBEDDED BASE PLATE DETAILS
SCALE: 1 : 10



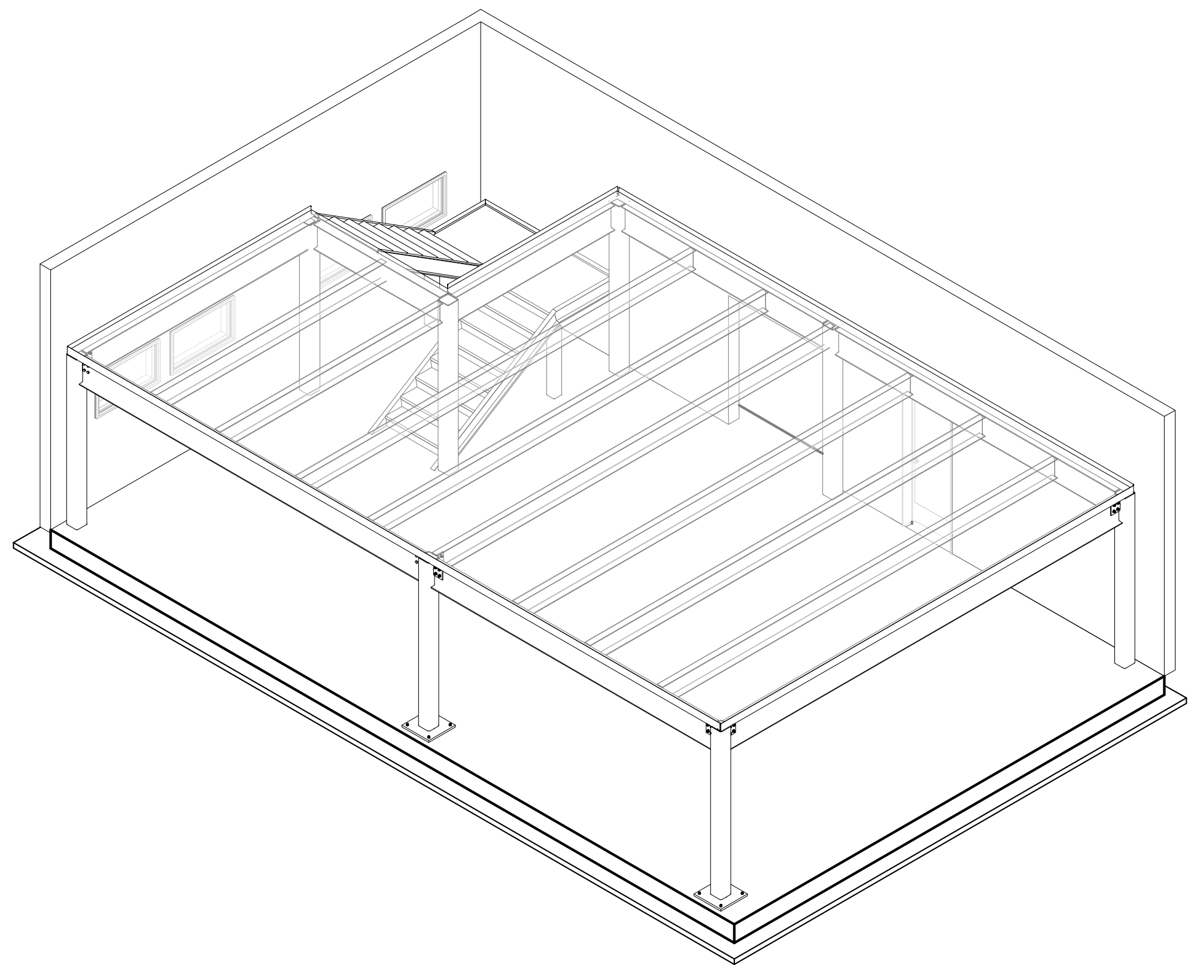
4 A5.0 MEZZANINE STAIRS ISOMETRIC VIEW
SCALE:


L127x76x9.5
EDGE ANGLE
W410x46.1
BEAM
203x203
HSS COLUMN
W310x28.3
BEAM

5 A5.0 MEZZANINE COLUMN/BEAM 3D DETAIL
SCALE:


H'x
T.O. HANGER DOORS
5000
U/S MEZZANINE DECK
2746
T.O. SLAB
0
635
635
635
1012
127
635
559
2746

2 A5.0 MEZZANINE ELEVATION VIEW
SCALE: 1 : 50



1 A5.0 MEZZANINE ISOMETRIC VIEW
SCALE:

MEZZANINE NOTES

PER 3.3.1.18., ALL GUARDS TO BE MIN. 1 070mm HIGH, AND ANY OPENINGS THROUGH GUARDS SHALL BE OF A SIZE THAT PREVENTS THE PASSAGE OF A SPHERICAL OBJECT WHOSE DIAMETER IS MORE THAN 100mm.

RESIN DECK CHOSEN OVER CONCRETE AS MEZZANINE CANNOT BE DECONSTRUCTED FOLLOWING A CONCRETE POUR.

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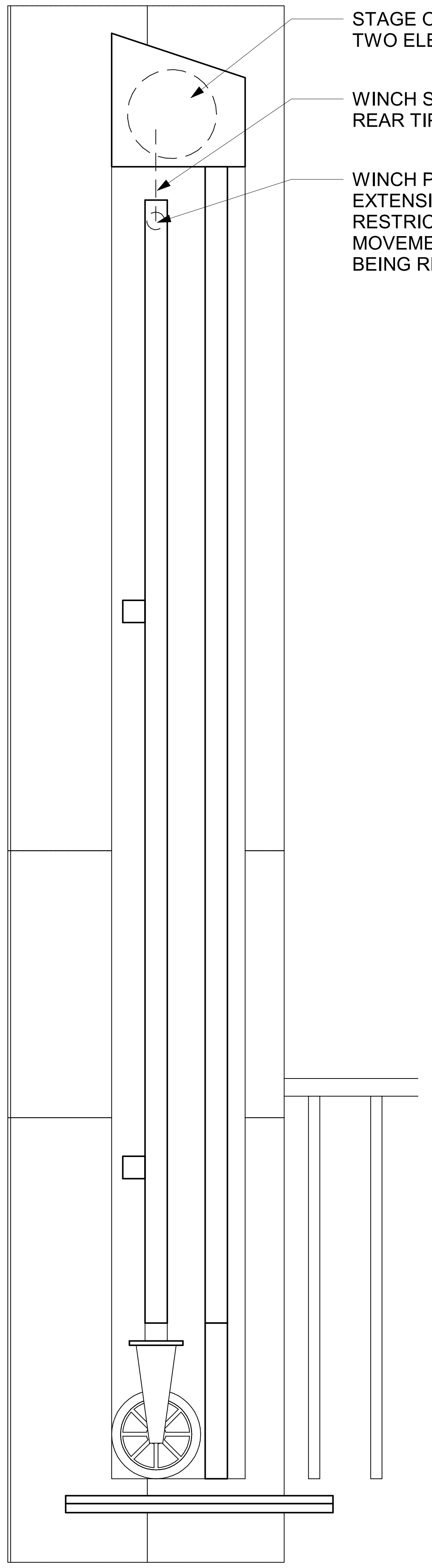
TITLE
ENLARGED PLAN & ELEVATIONS (MEZZANINE)

DRAWING NUMBER	SCALE
A5.0	As indicated

2022-04-25 10:16:55 PM

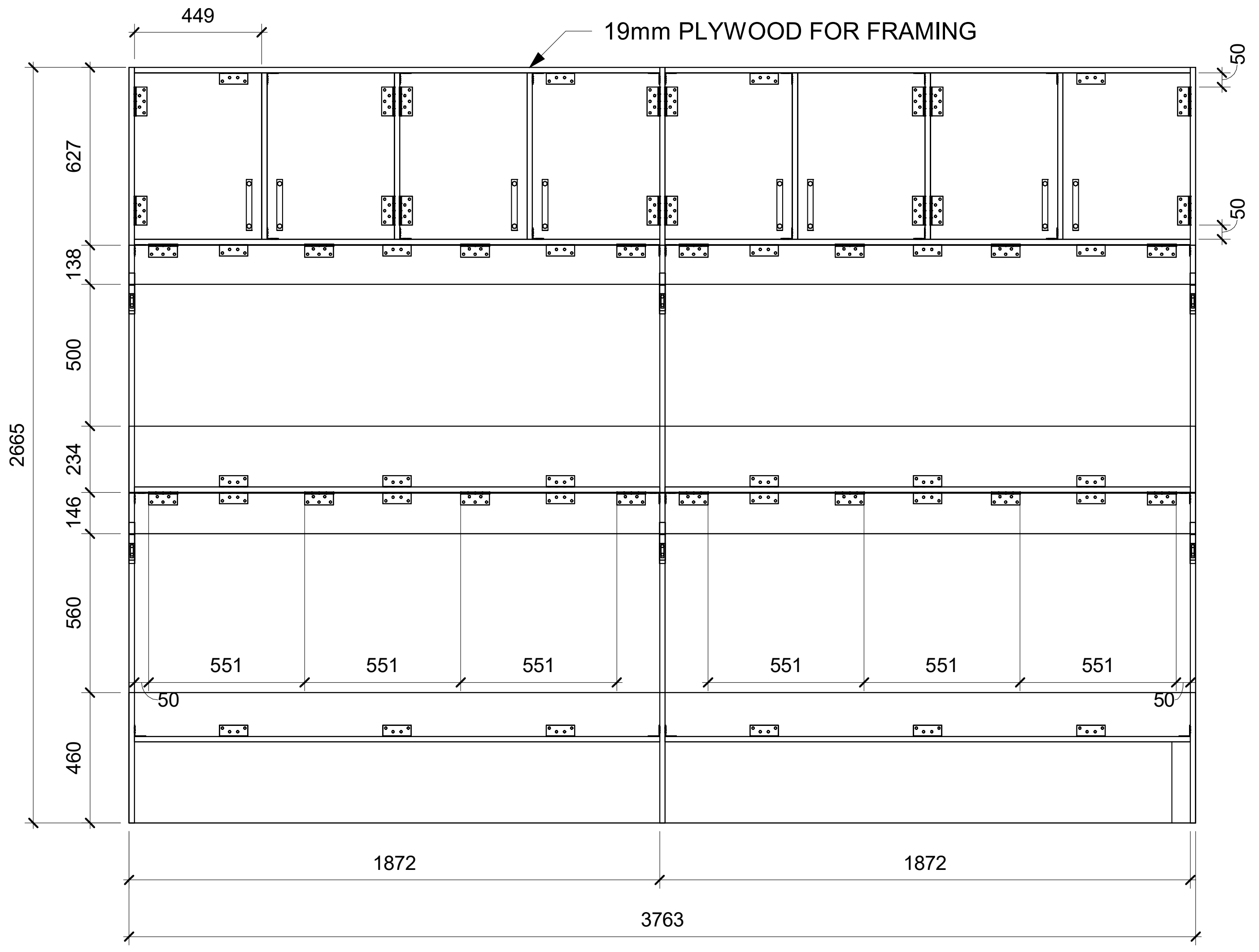


STAGE OPERATION ACCOMPLISHED VIA TWO ELECTRIC WINCHES ON BOTH SIDES

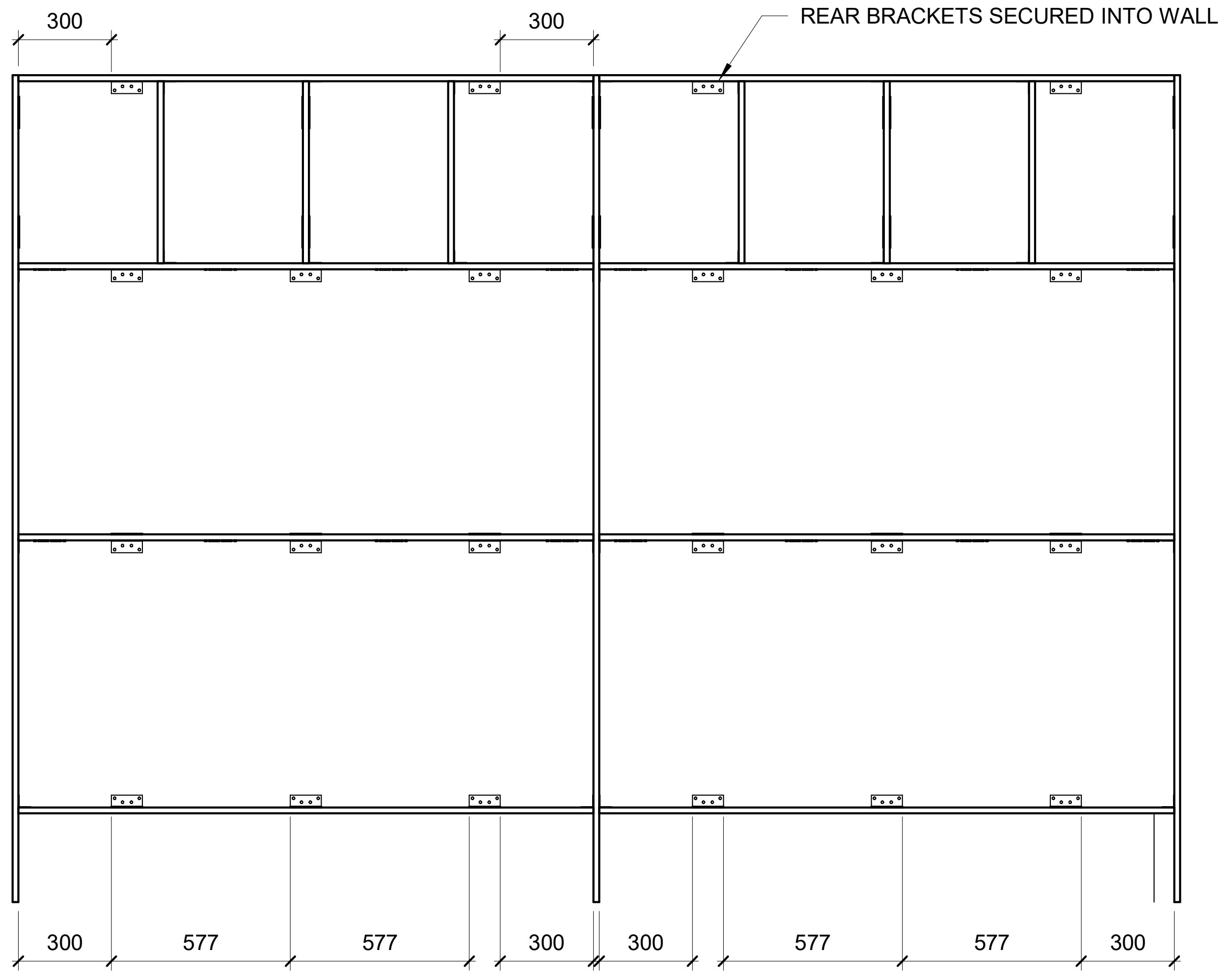
WINCH SECURED TO POINT AT THE REAR TIP OF STAGE UNDERSIDE FRAMING

WINCH POINT INCLUDES A HORIZONTAL EXTENSION INTO A METAL TRACK TO RESTRICT FORWARD/BACKWARD MOVEMENT OF THE STAGE AS IT IS BEING RETRACTED OR DEPLOYED

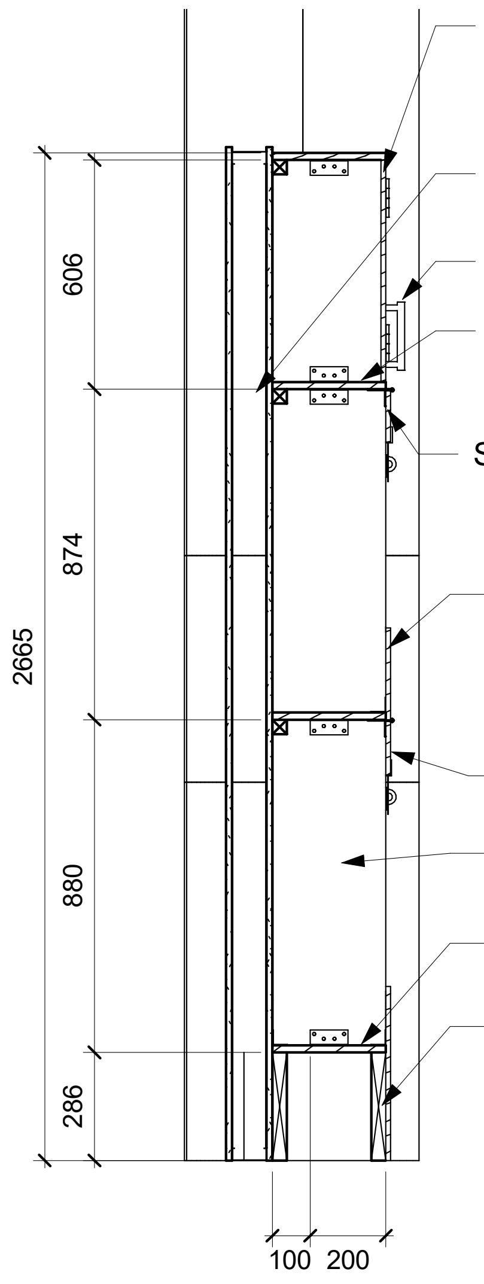
5 A6.0 STAGE SECTION - FOLDED UP
SCALE: 1 : 10


449
19mm PLYWOOD FOR FRAMING
50
50
2665
627
138
500
234
146
560
460
551
551
551
551
551
551
50
50
1872
1872
3763

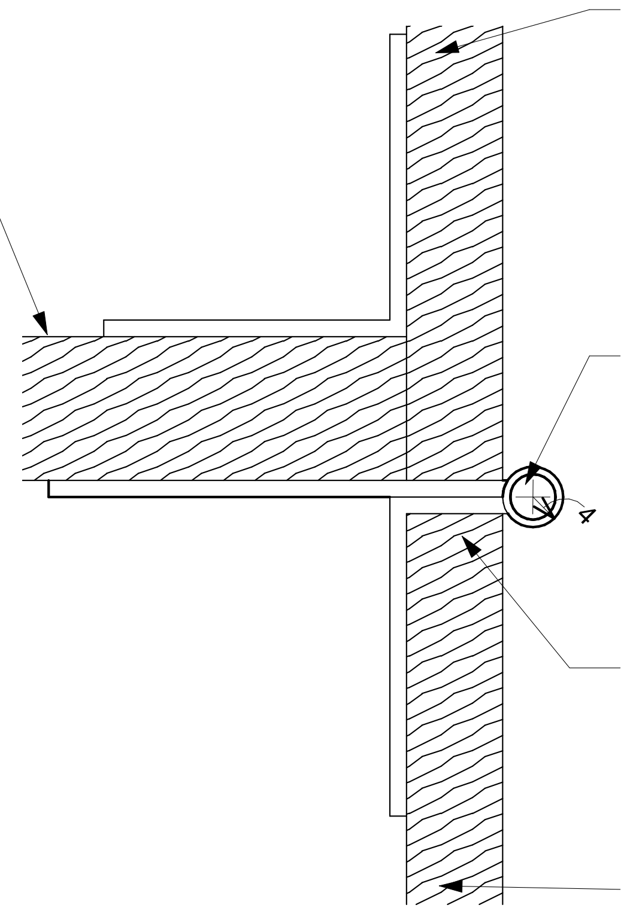
1 A6.0 MILLWORK ELEVATION
SCALE: 1 : 20


300
300
REAR BRACKETS SECURED INTO WALL
300
577
577
300
300
577
577
300

4 A6.0 MILLWORK SECTION 2
SCALE: 1 : 20


12.7mm VARNISHED PLYWOOD FOR CABINET DOORS AND FRONT PANELS
PROVIDE BLOCKING WHERE REQUIRED
CABINET PULL
CABINET SHELF
SWINGING PANEL (WITH PADLOCK)
FIXED PANEL
SWINGING PANEL
CABINET SEPARATION WALL
CABINET SHELF
2x12 LUMBER
2665
606
874
880
286
100
200

2 A6.0 CABINET MILLWORK SECTION
SCALE: 1 : 20


FIXED PANEL
FRAMING
CHEST HINGES USED FOR SWINGING PANELS
HINGES MORTISED INTO SWINGING PANEL
SWINGING PANEL

3 A6.0 CABINET MILLWORK DETAIL SWINGING PANEL
SCALE: 1 : 1

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BUILDING NAME
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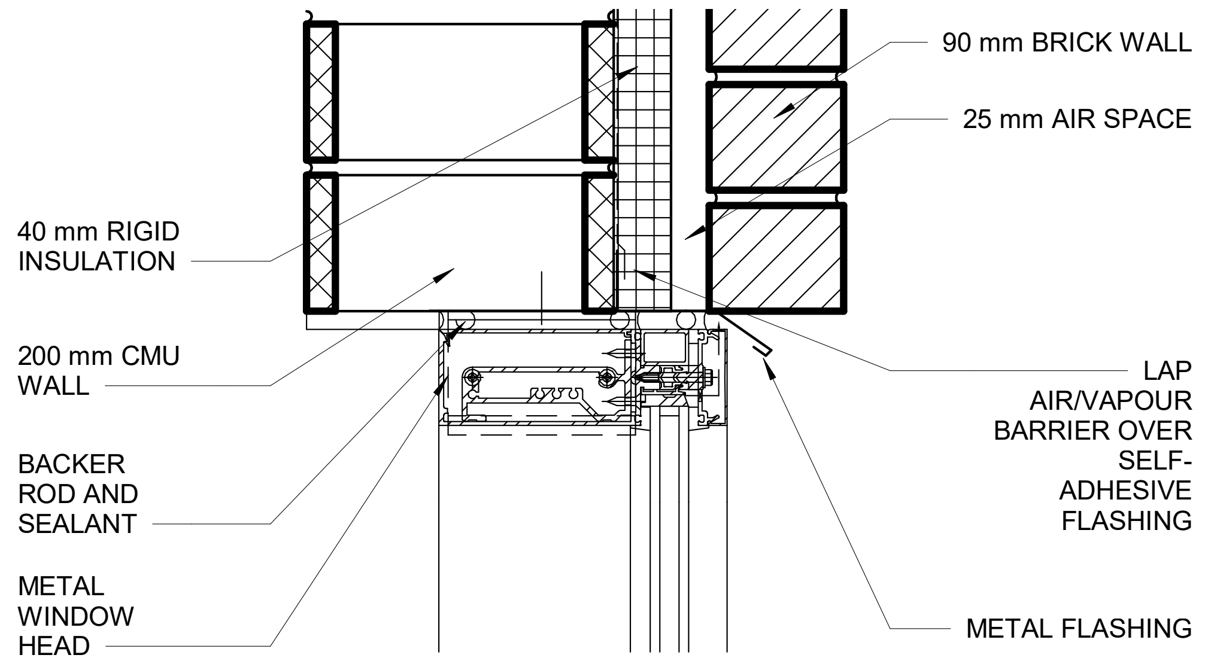
TITLE

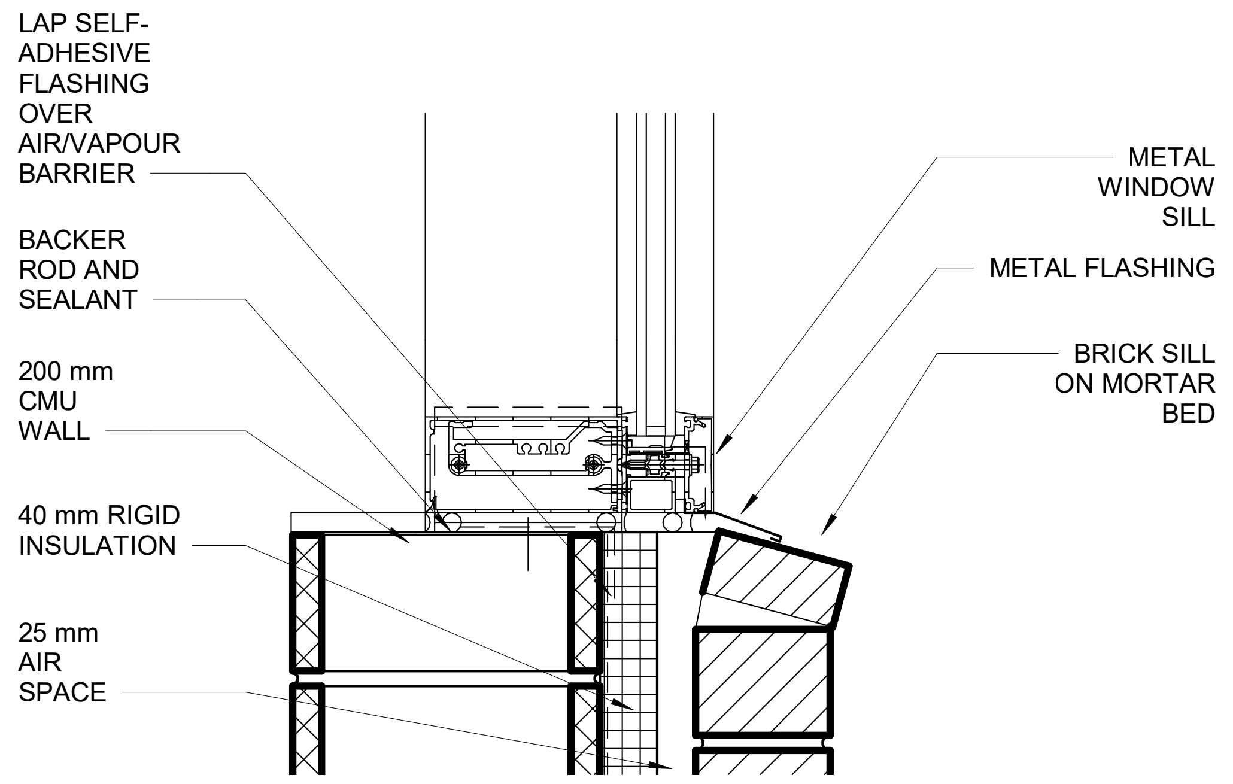
MILLWORK ELEVATION & DETAILS

DRAWING NUMBER	SCALE
A6.0	As indicated

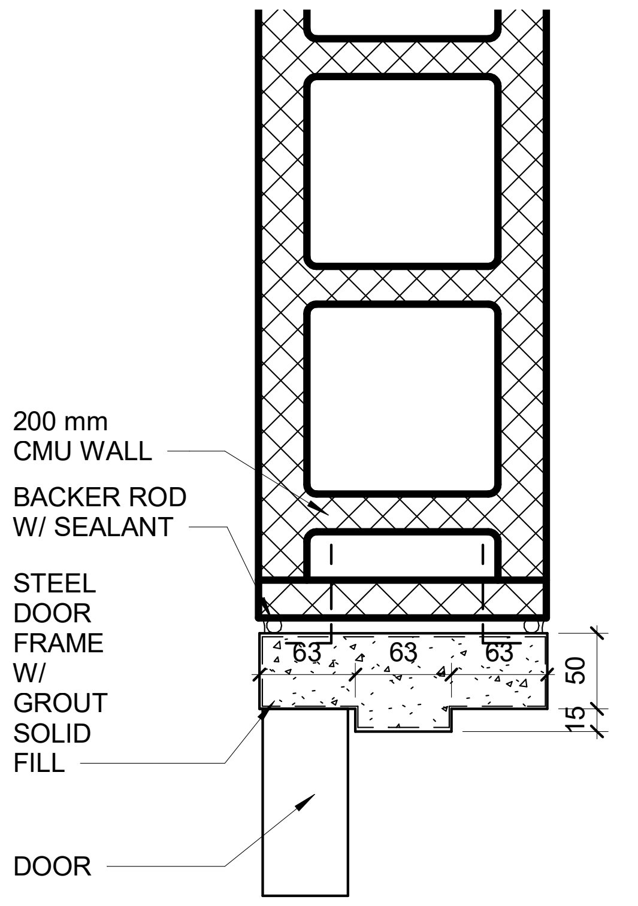
2022-04-25 10:16:57 PM


90 mm BRICK WALL
25 mm AIR SPACE
40 mm RIGID INSULATION
200 mm CMU WALL
BACKER ROD AND SEALANT
METAL WINDOW HEAD
LAP AIR/VAPOUR BARRIER OVER SELF-ADHESIVE FLASHING
METAL FLASHING

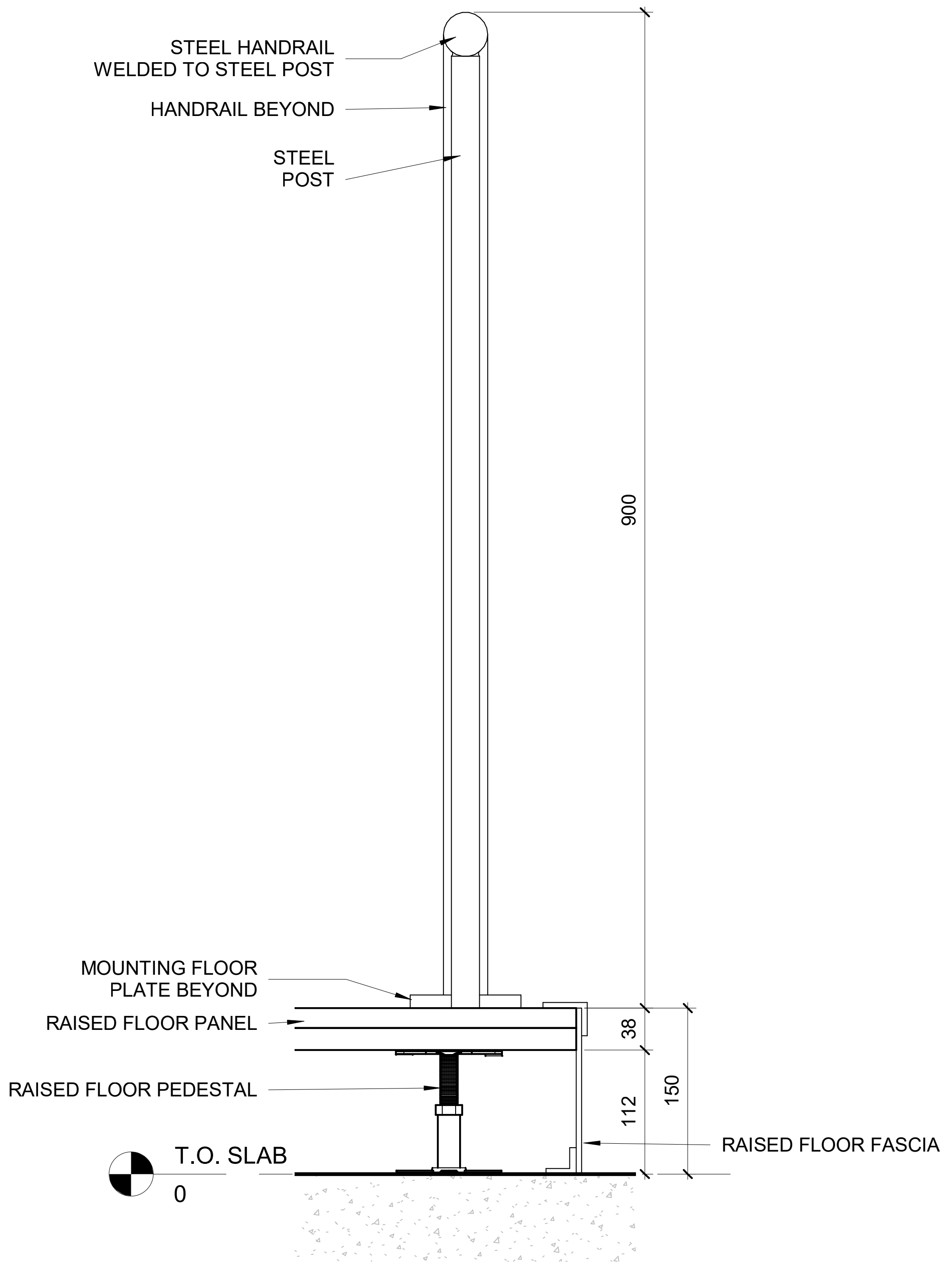
1
A7.0
EXISTING WINDOW HEAD DETAIL
SCALE: 1 : 5


LAP SELF-ADHESIVE FLASHING OVER AIR/VAPOUR BARRIER
BACKER ROD AND SEALANT
200 mm CMU WALL
40 mm RIGID INSULATION
25 mm AIR SPACE
METAL WINDOW SILL
METAL FLASHING
BRICK SILL ON MORTAR BED

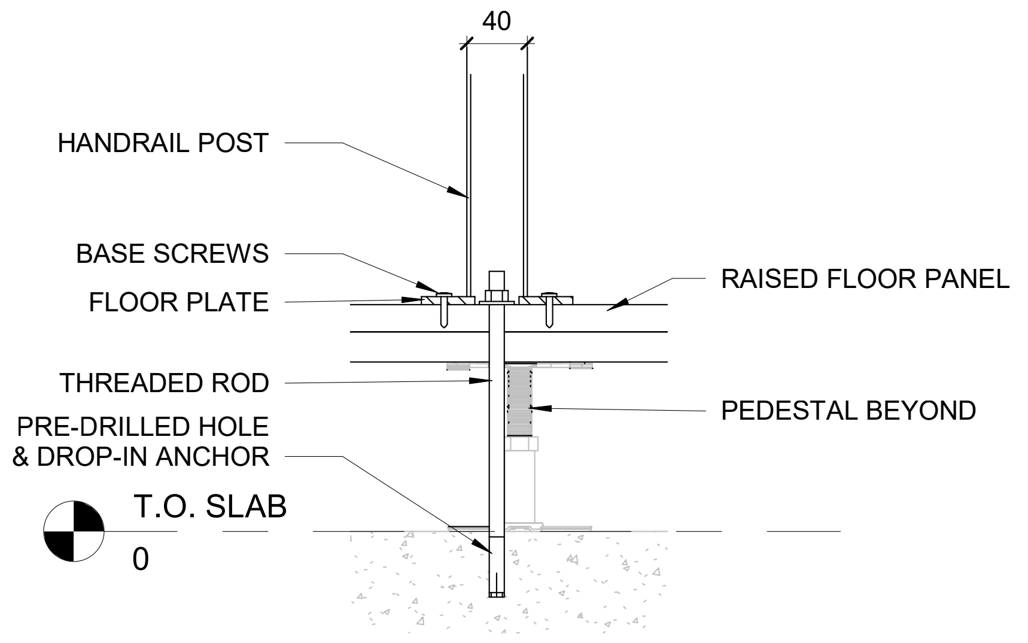
2
A7.0
EXISTING WINDOW SILL DETAIL
SCALE: 1 : 5


200 mm CMU WALL
BACKER ROD W/ SEALANT
STEEL DOOR FRAME W/ GROUT SOLID FILL
DOOR
63
63
63
15
50

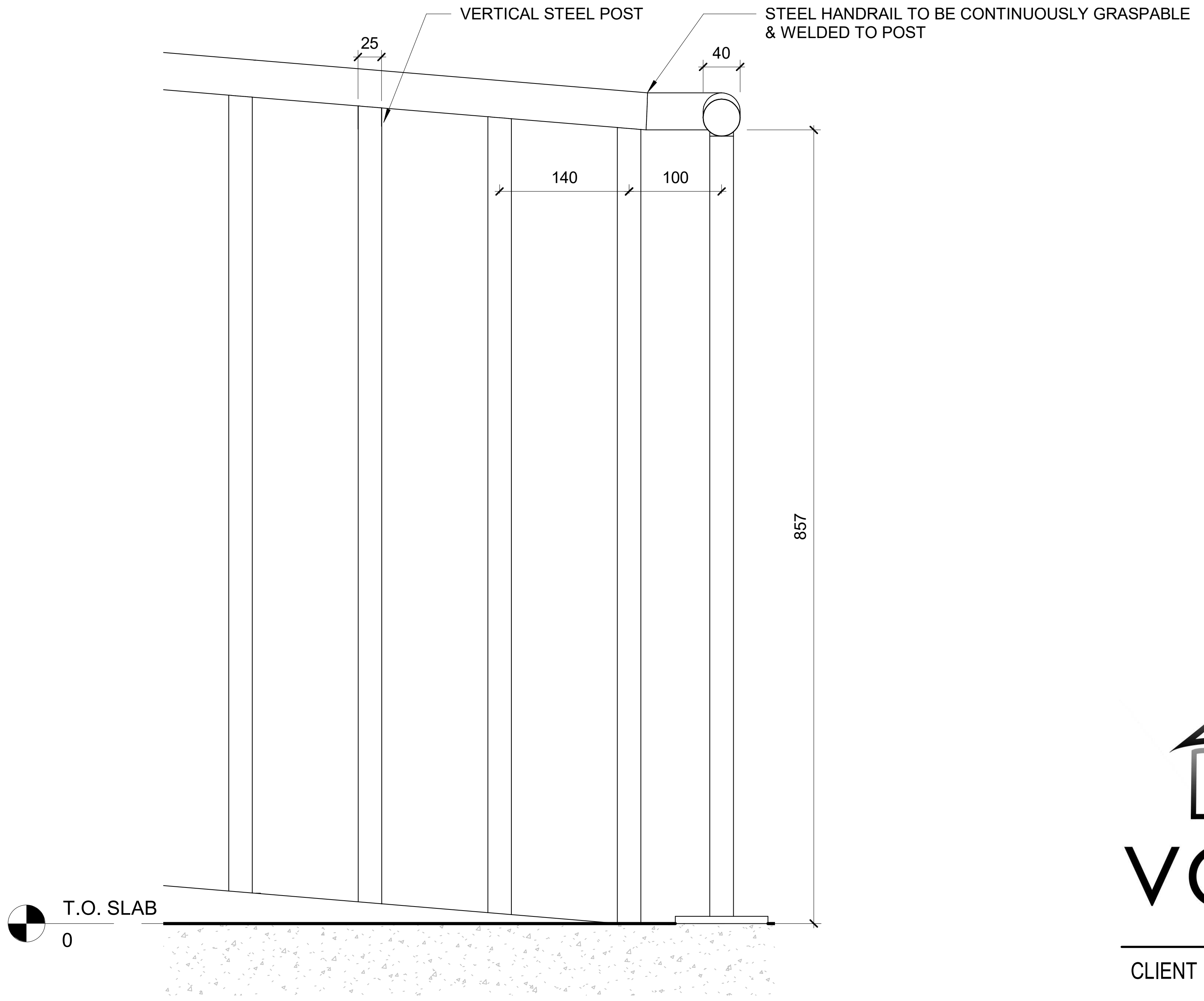
3
A7.0
EXISTING DOOR JAMB PLAN DETAIL
SCALE: 1 : 5


STEEL HANDRAIL WELDED TO STEEL POST
HANDRAIL BEYOND
STEEL POST
900
MOUNTING FLOOR PLATE BEYOND
RAISED FLOOR PANEL
RAISED FLOOR PEDESTAL
38
112
150
RAISED FLOOR FASCIA
T.O. SLAB
0

4
A7.0
RAMP HANDRAIL SECTION
SCALE: 1 : 5


40
HANDRAIL POST
BASE SCREWS
FLOOR PLATE
THREADED ROD
PRE-DRILLED HOLE & DROP-IN ANCHOR
T.O. SLAB
0
RAISED FLOOR PANEL
PEDESTAL BEYOND

5
A7.0
RAMP HANDRAIL FLOOR PLATE @ RAISED FLOORING (TYP.)
SCALE: 1 : 5


VERTICAL STEEL POST
STEEL HANDRAIL TO BE CONTINUOUSLY GRASPABLE & WELDED TO POST
25
40
140
100
857
T.O. SLAB
0

6
A7.0
RAMP HANDRAIL ELEVATION
SCALE: 1 : 5

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TITLE
DETAILS

DRAWING NUMBER	SCALE
A7.0	1 : 5

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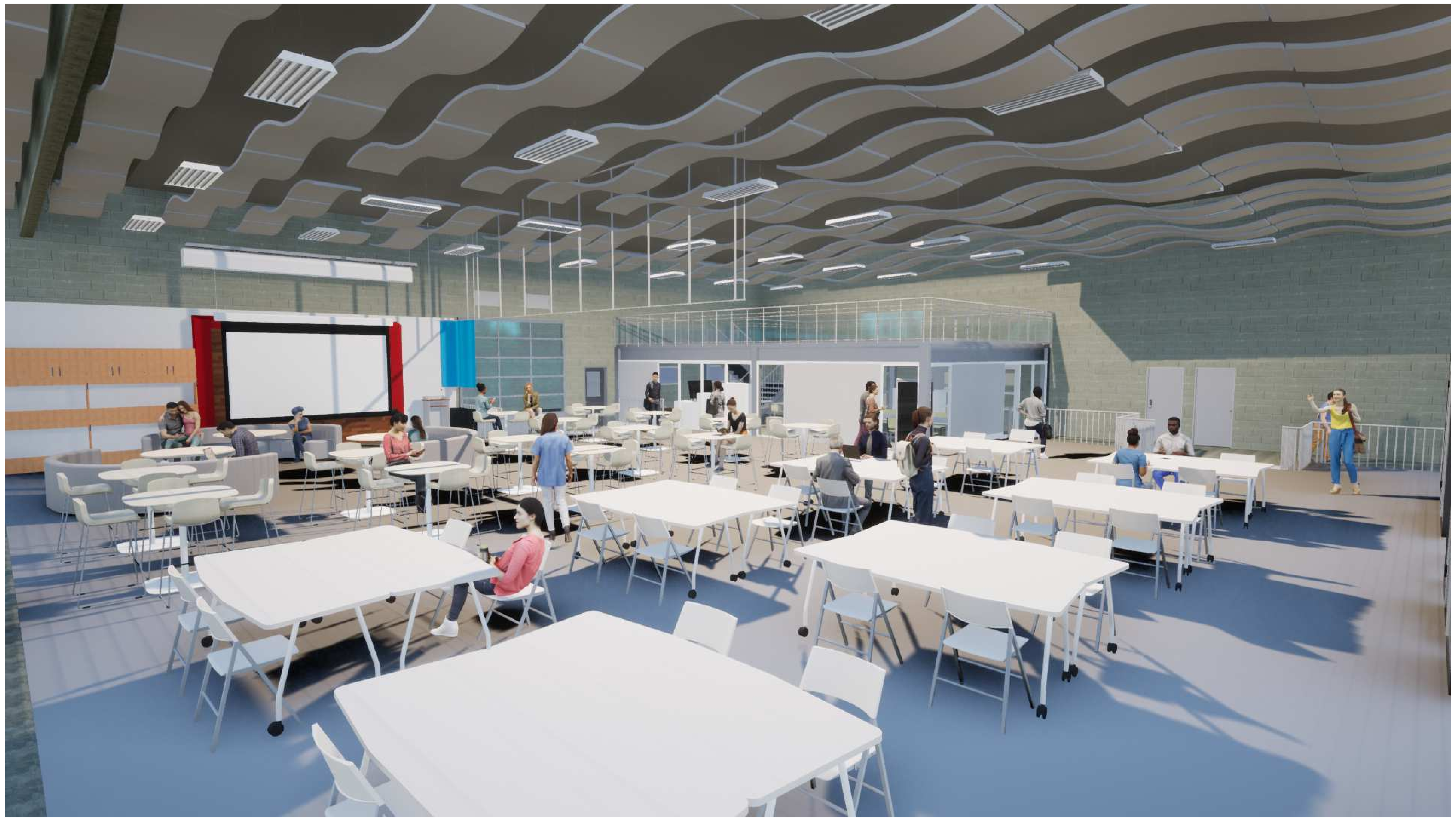

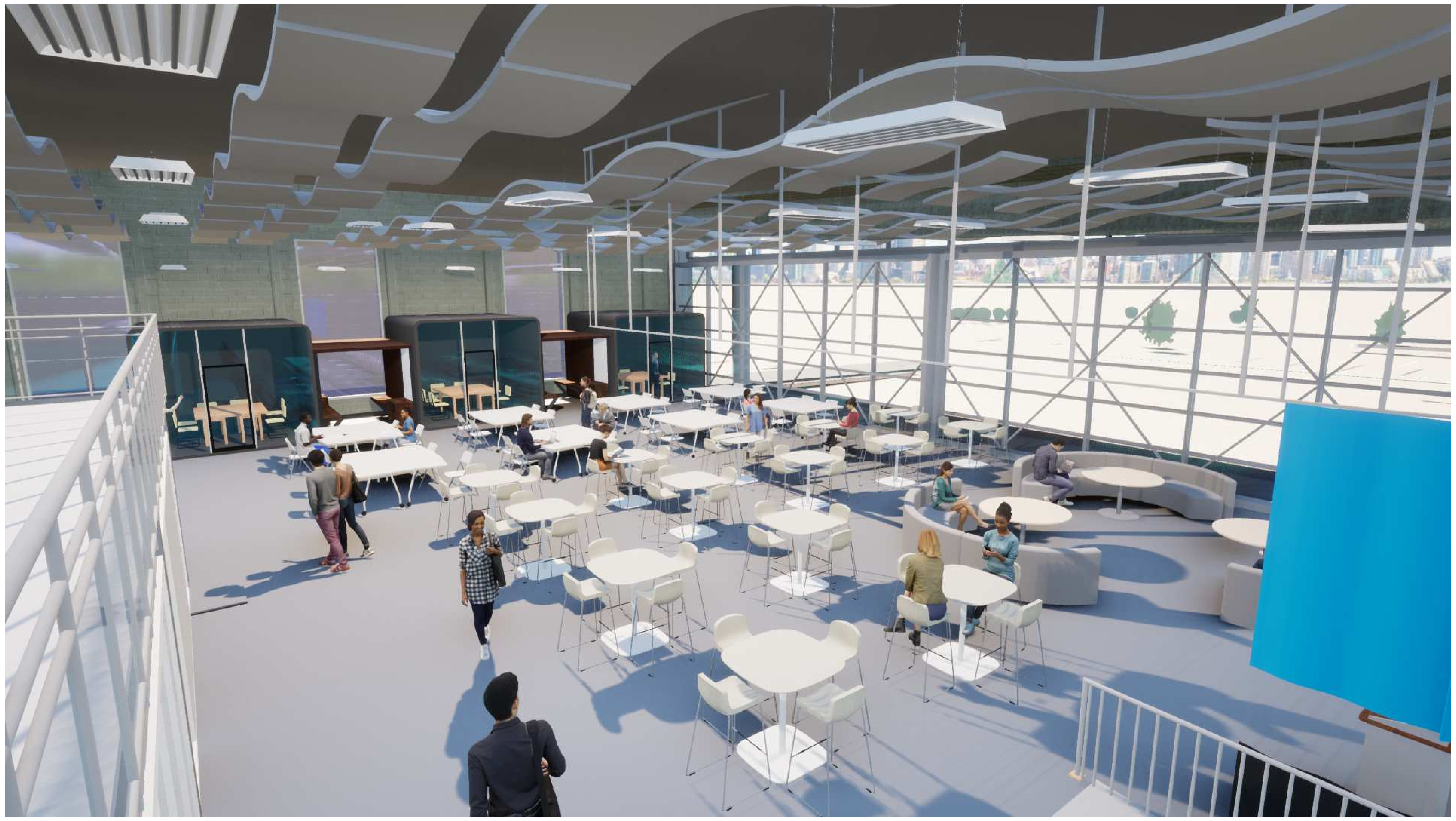

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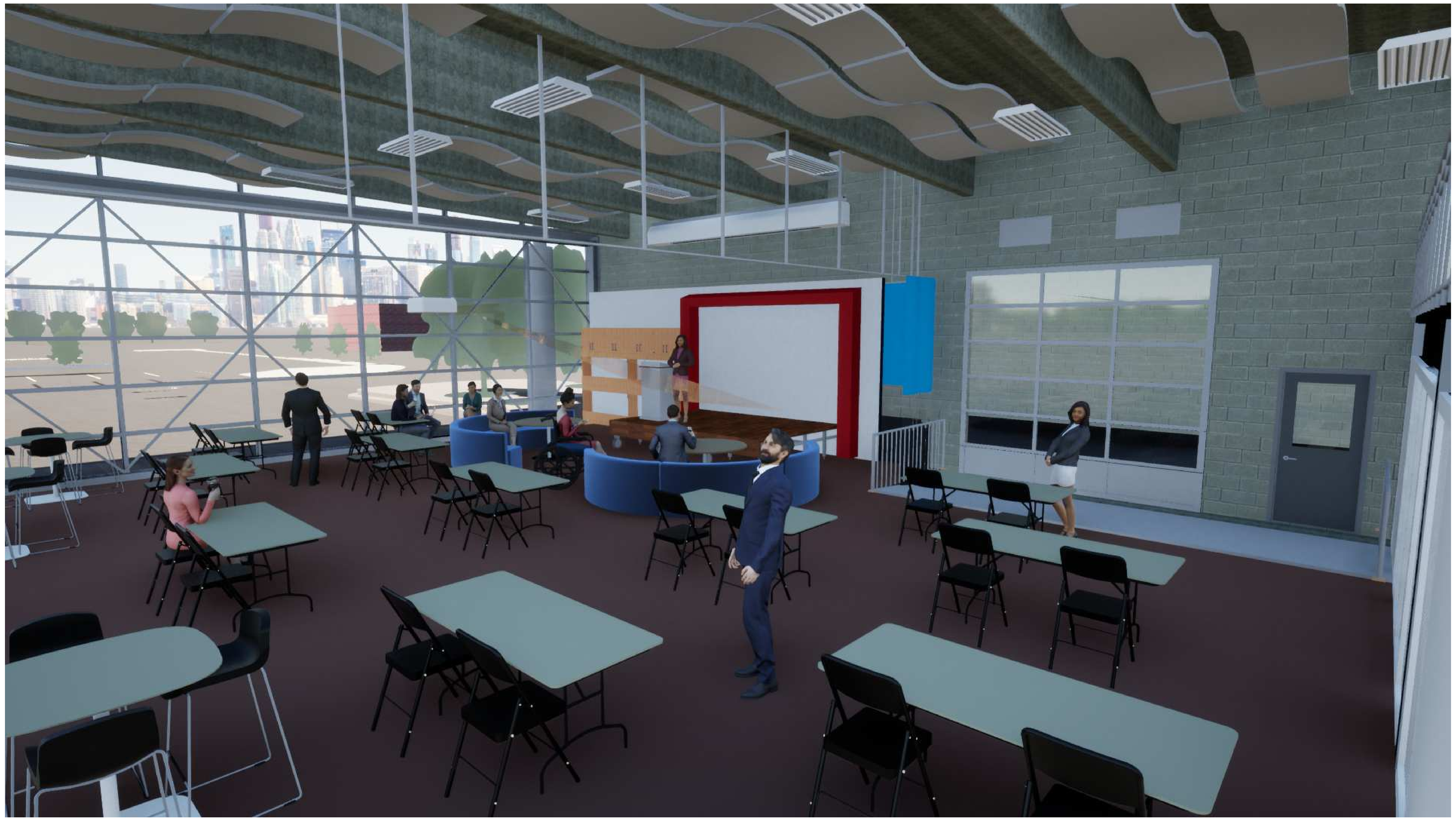
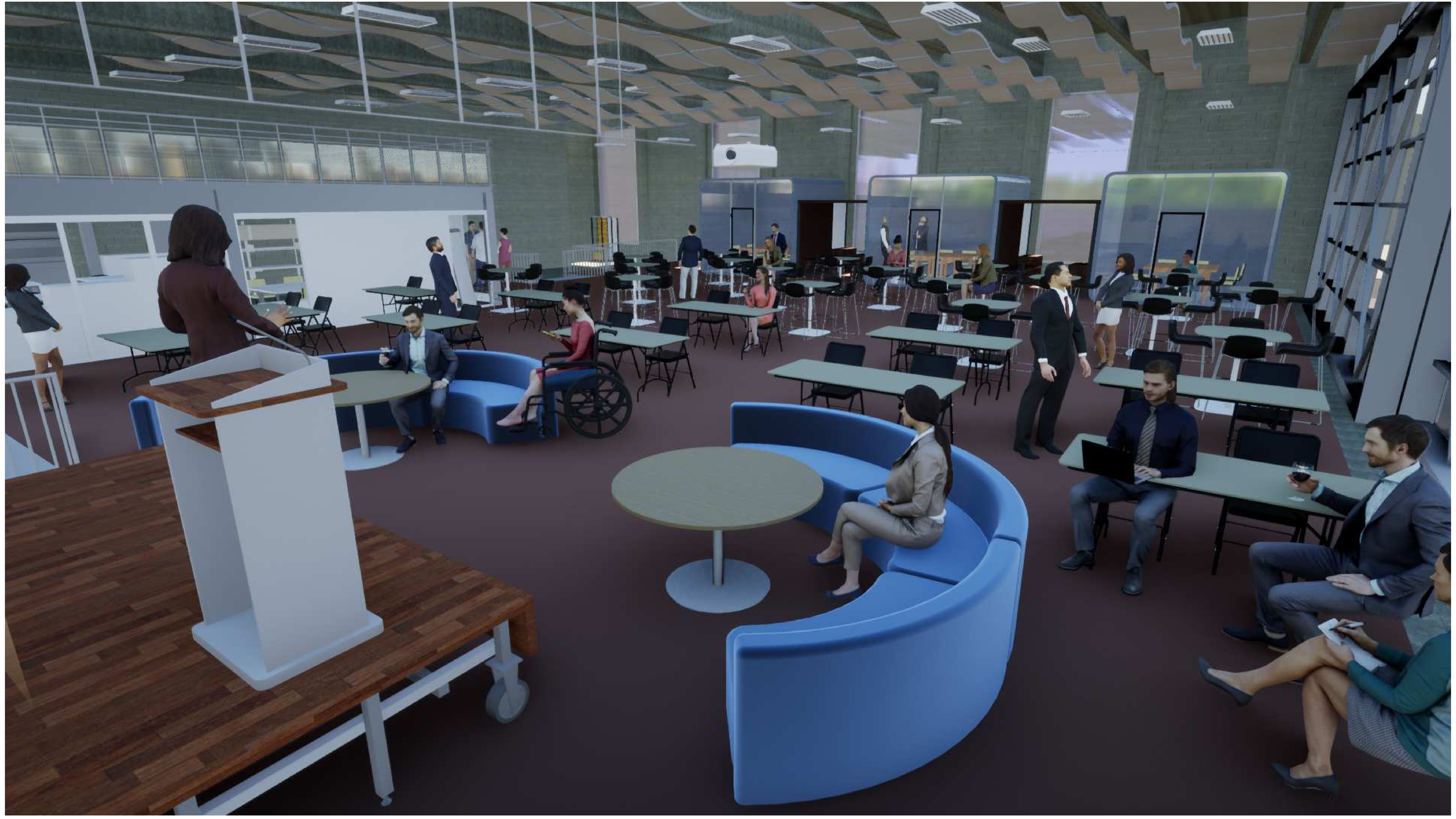
TITLE

RENDERINGS (DEFAULT LAYOUT)

DRAWING NUMBER	SCALE
A8.0	

2022-04-25 10:17:00 PM





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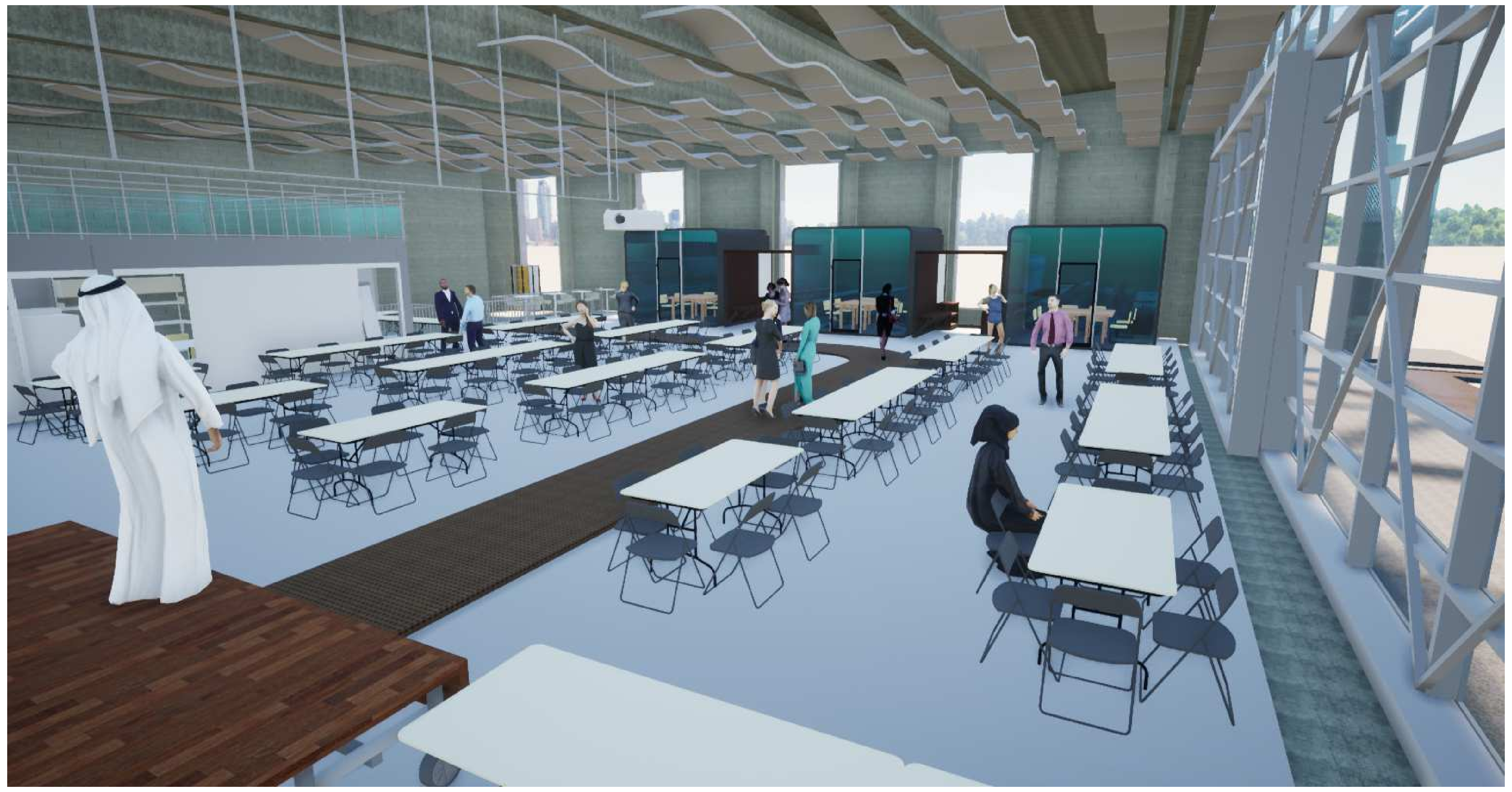
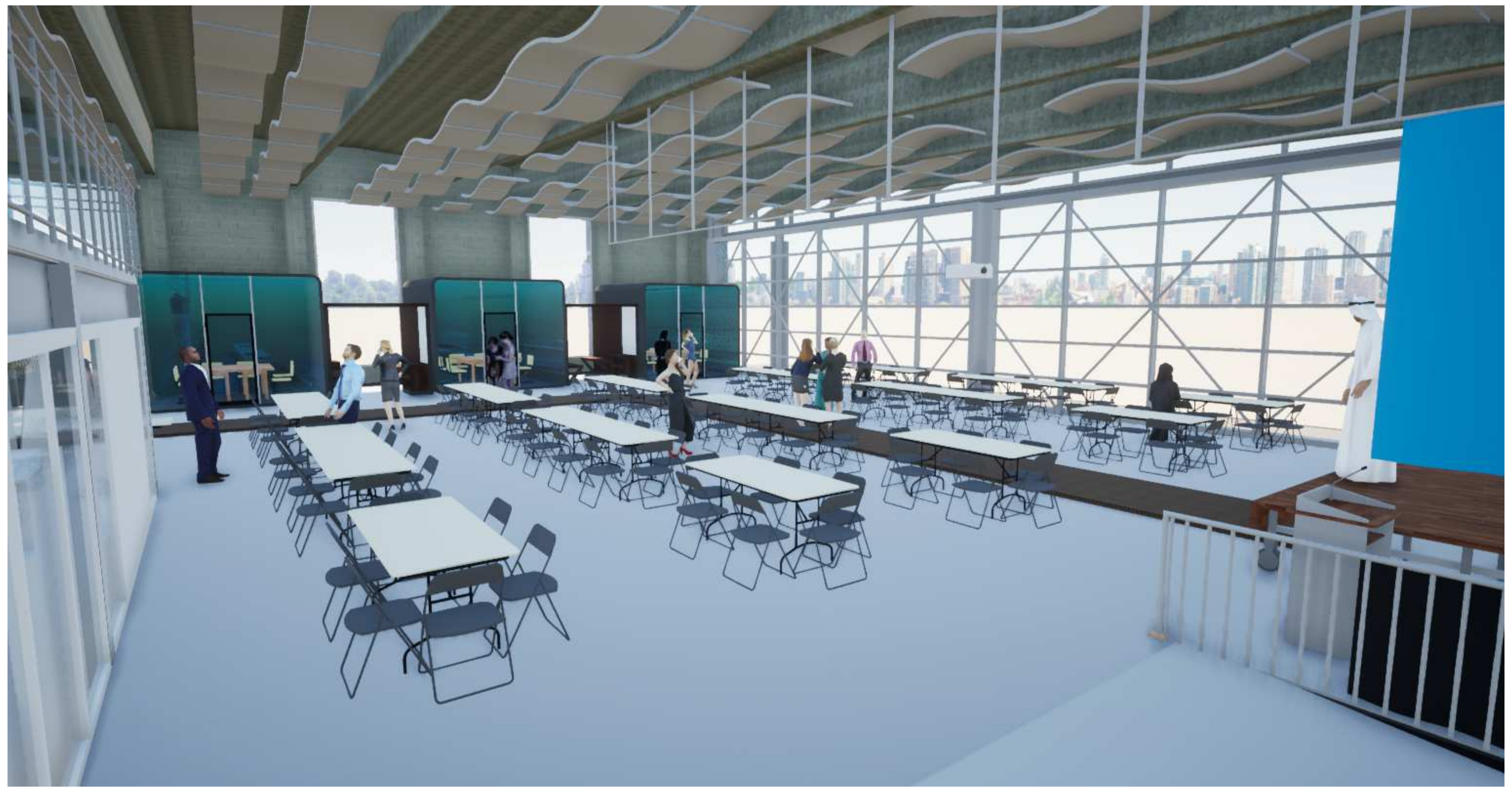
TITLE

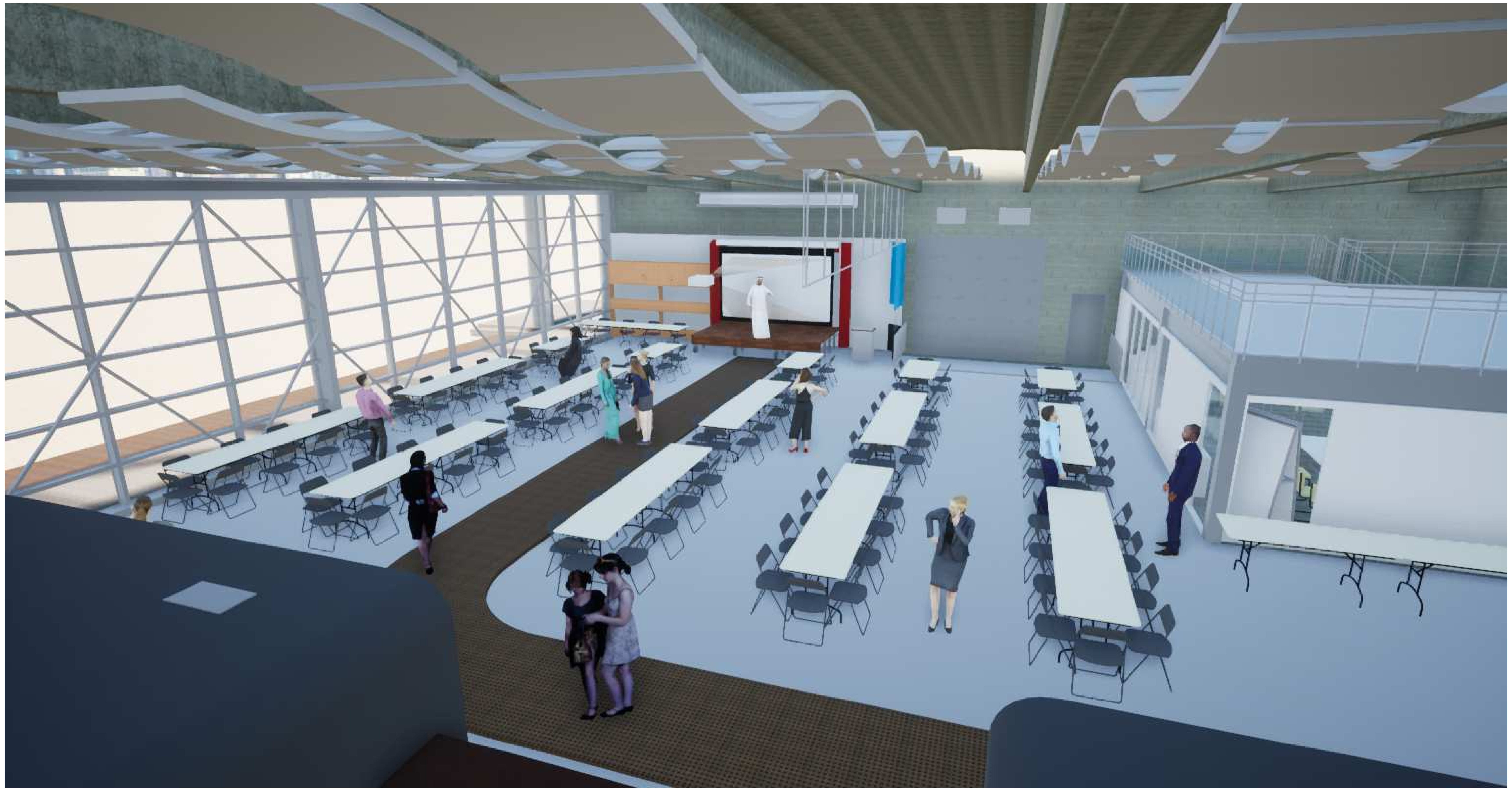
RENDERINGS (CONFERENCE)

DRAWING NUMBER	SCALE
A8.1	

2022-04-25 10:17:00 PM







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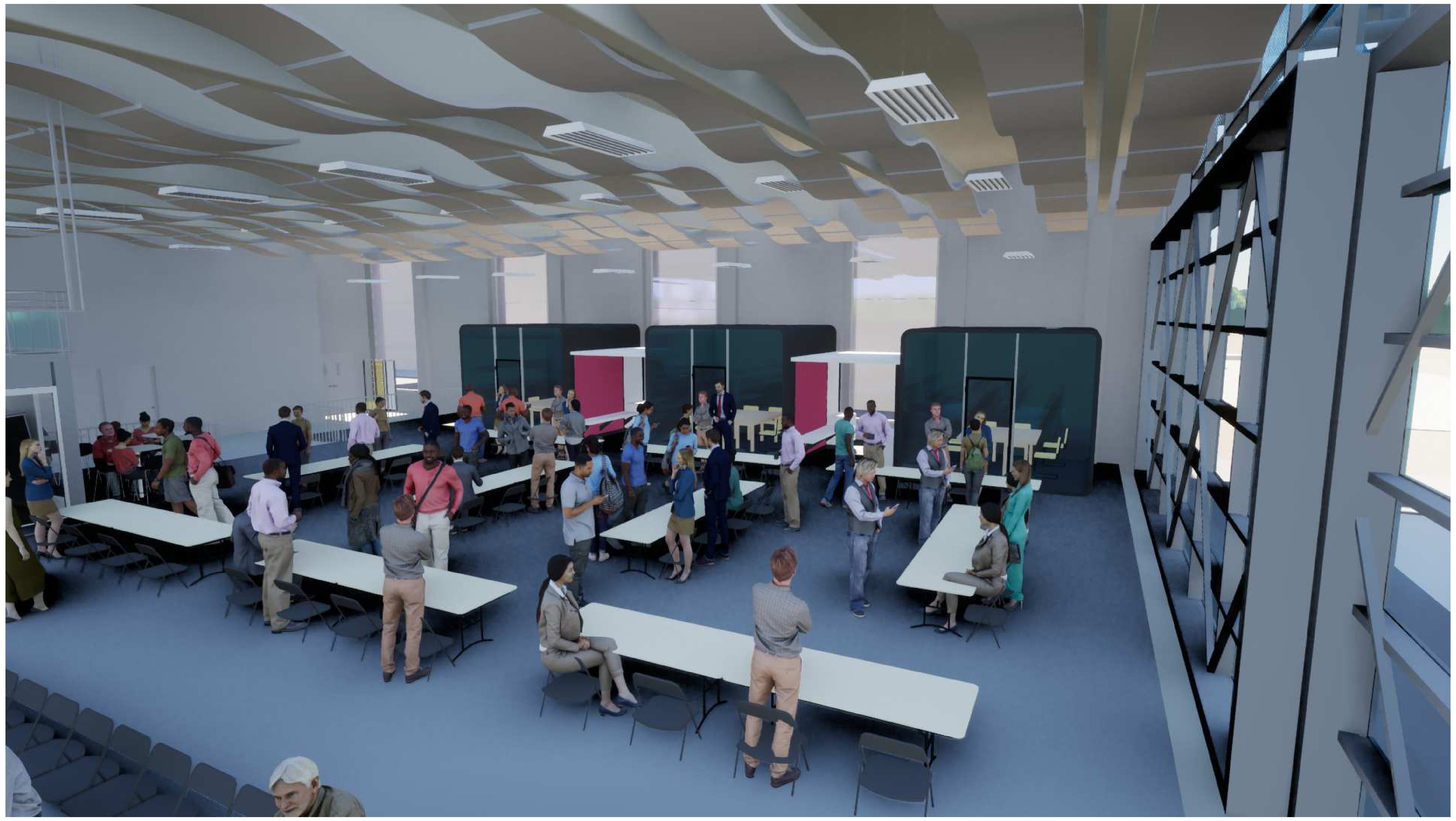
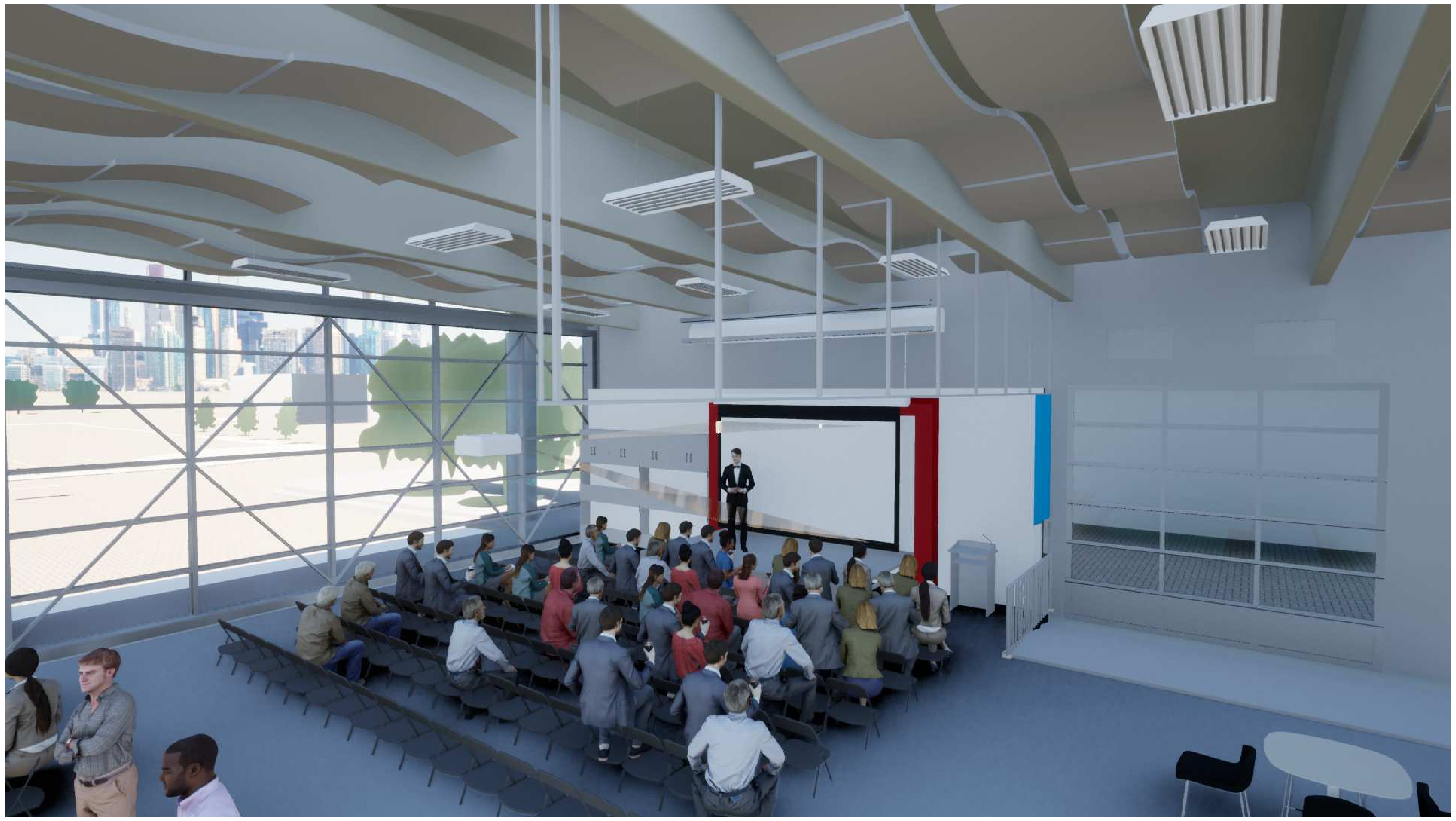
TITLE

RENDERINGS (SPECIAL EVENT)

DRAWING NUMBER	SCALE
A8.2	

2022-04-25 10:17:00 PM





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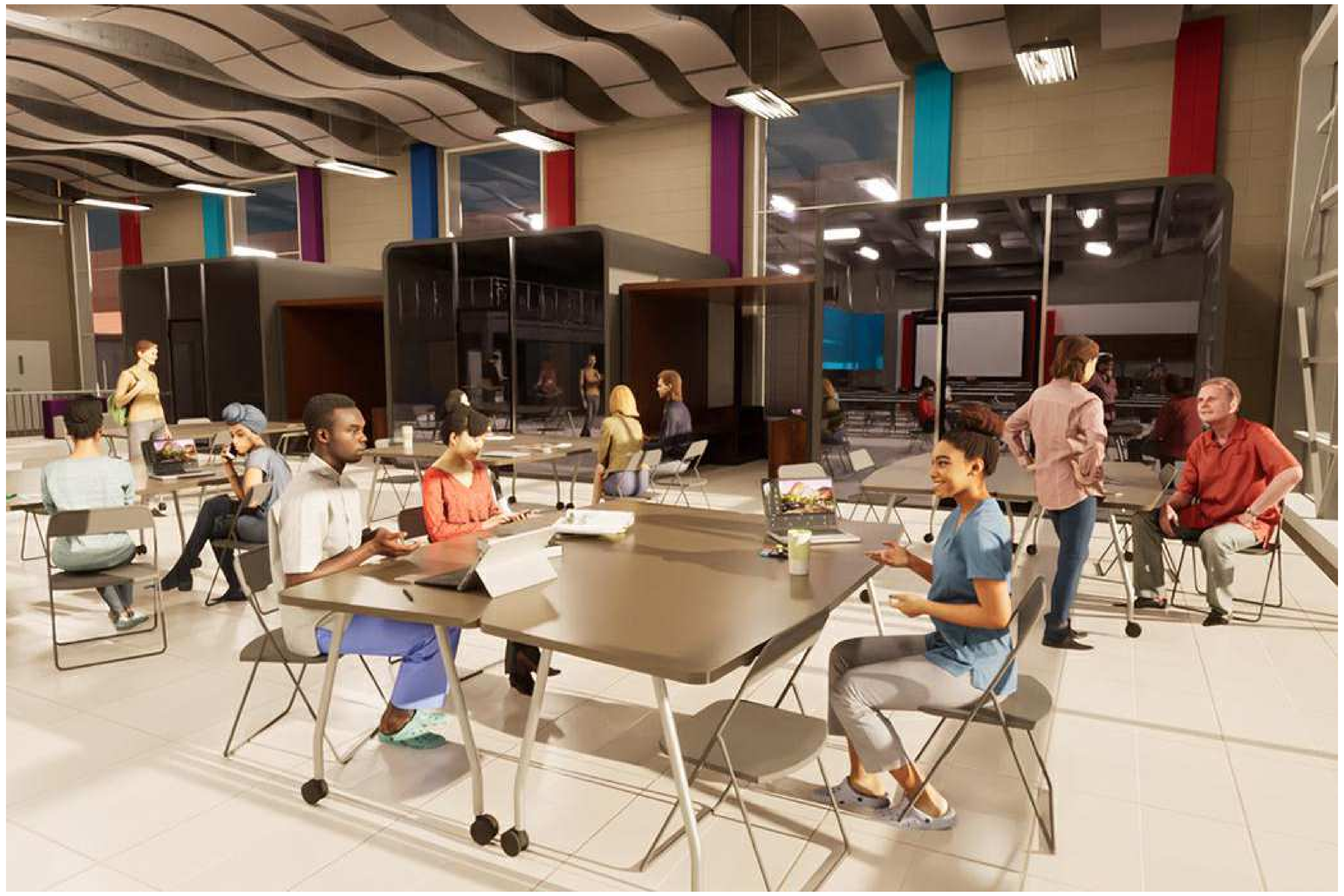
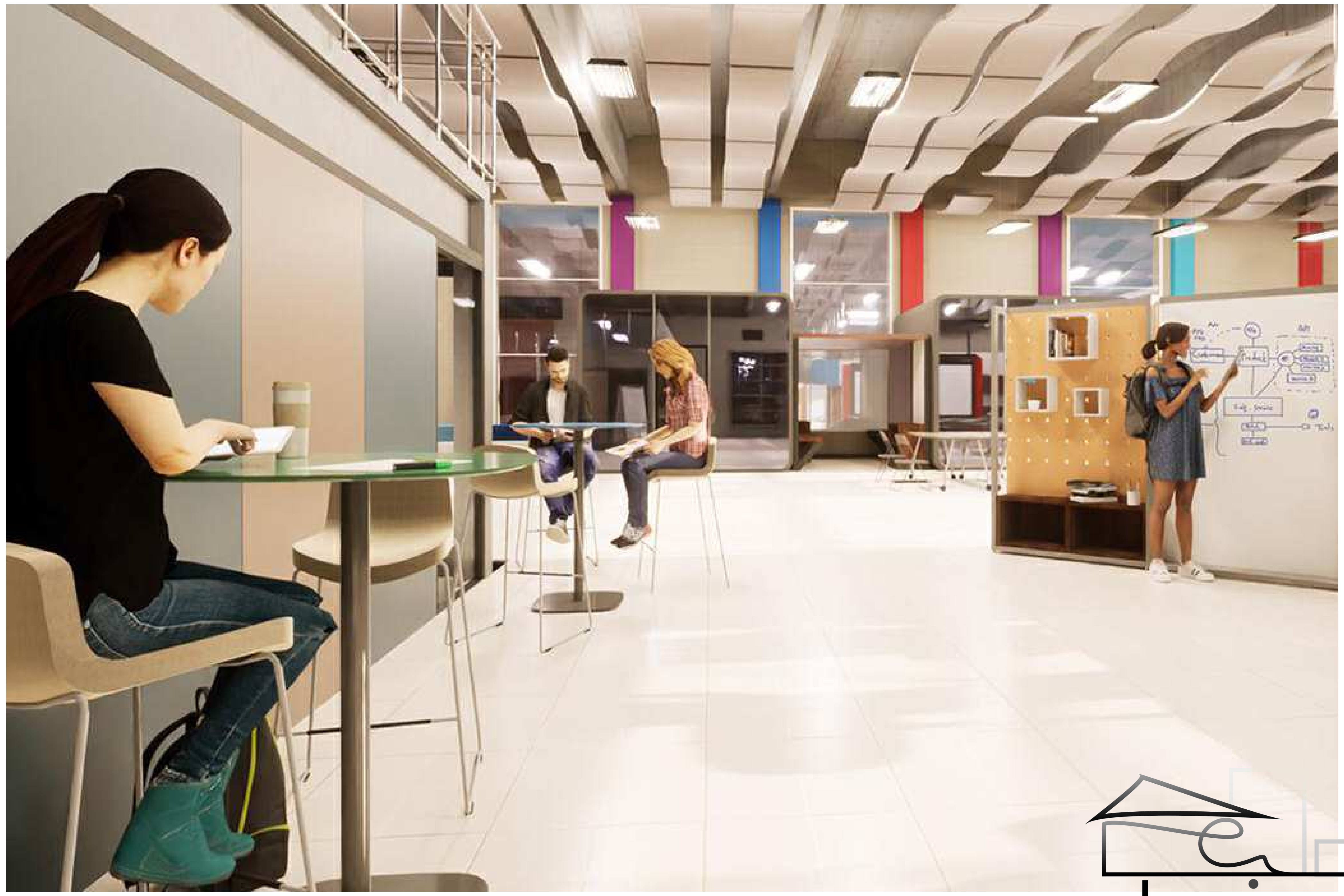
TITLE

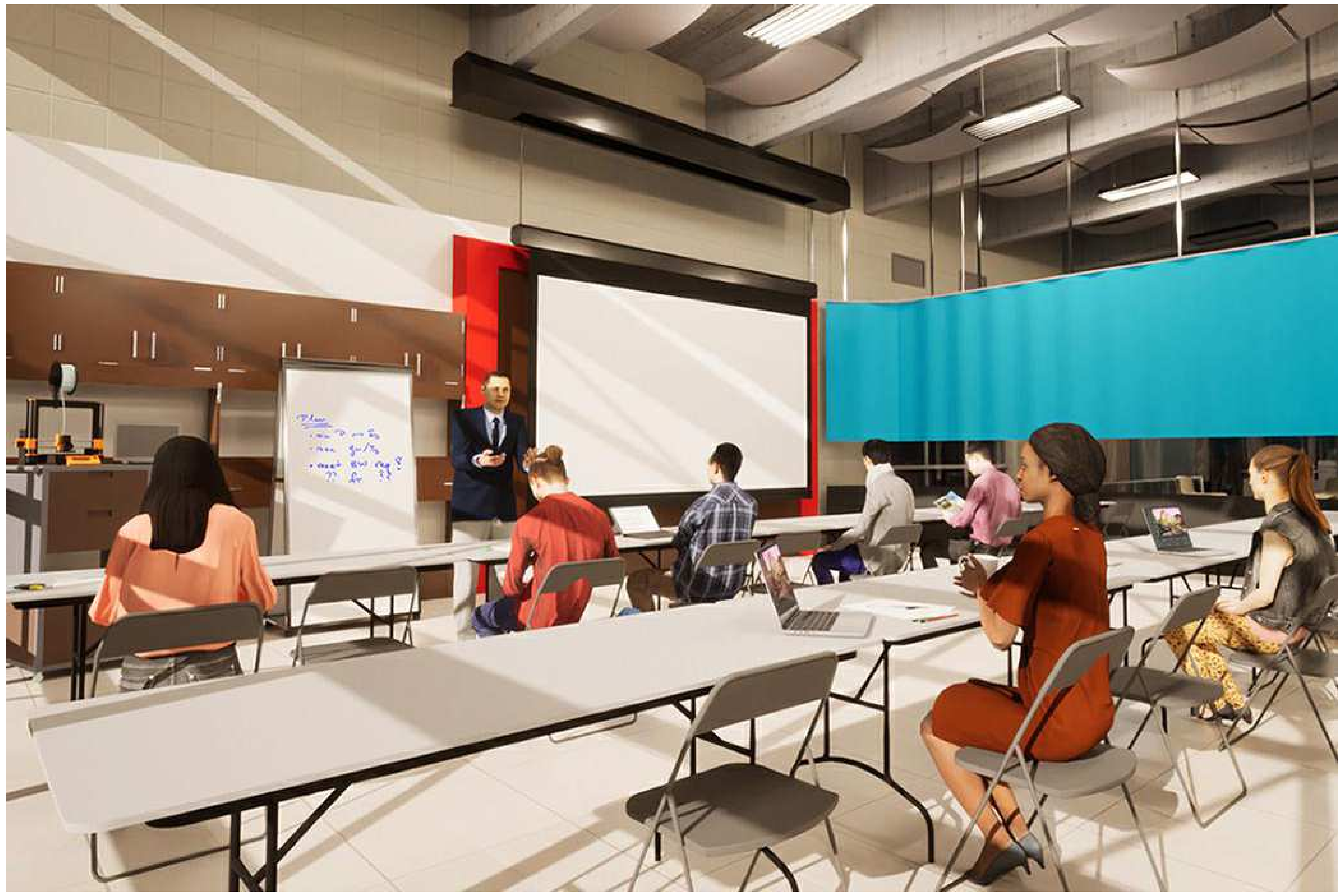
RENDERINGS (EXPO)

DRAWING NUMBER	SCALE
A8.3	

2022-04-25 10:17:01 PM







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TITLE

RENDERINGS (CLASS/WORKSHOP)

DRAWING NUMBER	SCALE
A8.4	

2022-04-25 10:17:01 PM