

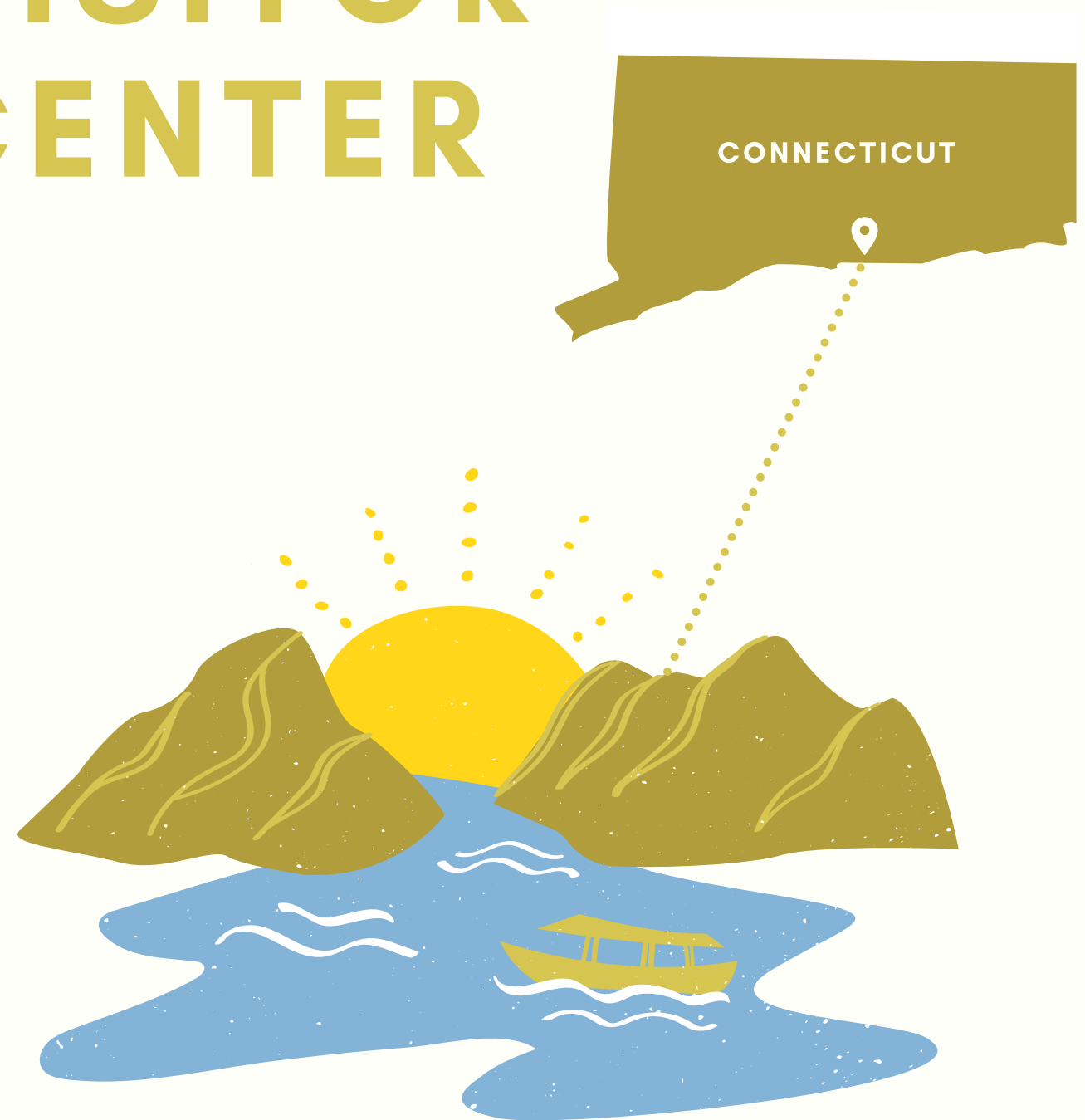
# WINDWARD ISLAND VISITOR CENTER

ID 3782  
FALL 2021  
SECTION 1  
EPPLING



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Email: [marge.eppling@gmail.com](mailto:marge.eppling@gmail.com)  
Address: 102 Design Building, Baton Rouge, LA 70803

# WINDWARD ISLAND VISITOR CENTER



# WINDWARD ISLAND VISITOR CENTER



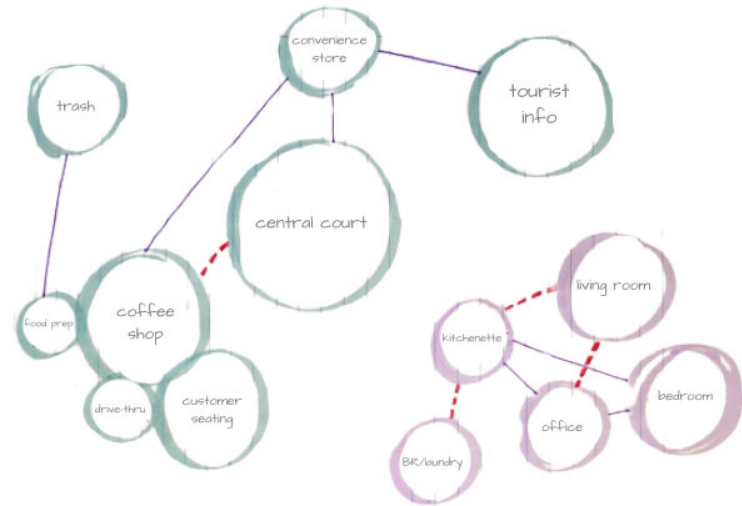
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CONSTRUCTION DOCS.

FURNITURE SPECS

MISC. SPECS

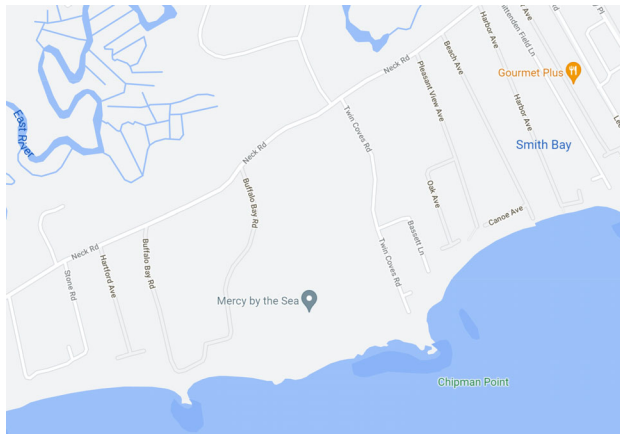
PROGRAM



ADJACENCY MATRIX

● Direct / Primary Adjacency  
○ Convenient / Secondary Adjacency

	Office	Bedroom	Kitchenette	Living Room	Tourist Information Center	Trash Disposal Area	Food Preparation Area	Coffee Shop	Food Court
Food Court								●	
Coffee Shop							●		
Food Preparation Area									
Trash Disposal Area									
Tourist Information Center									
Living Room	●	○	●						
Kitchenette	○	○							
Bedroom	○								
Office									



SITE MAP



LOCATION PLAN  
172 Twin Coves Rd, Madison, CT 06443

SHEET INDEX	
ID0.0	Coversheet
ID0.1	Coversheet
ID1.0	ADA and Life Safety Reference Plan
ID2.0	Visitor Center Reference Plan
ID2.1	Visitor Center Dimension Plan
ID2.2	Visitor Center Floor Finish Plan
ID2.3	Floor Transition Details
ID2.4	Showroom Reference Plan/Equipment Plan
ID2.5	Showroom Electrical Plan
ID2.6	Showroom Furniture Plan
ID2.7	Showroom Furniture Specifications
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ID3.1	Showroom Switching Plan
ID4.0	Interior Elevations
ID4.1	Interior Elevations
ID5.0	Millwork
ID5.1	Millwork
ID6.0	Finish Legend/Room Schedule



WINDWARD ISLAND VISITOR  
CENTER DESIGN PRACTICUM AND  
PROGRAM

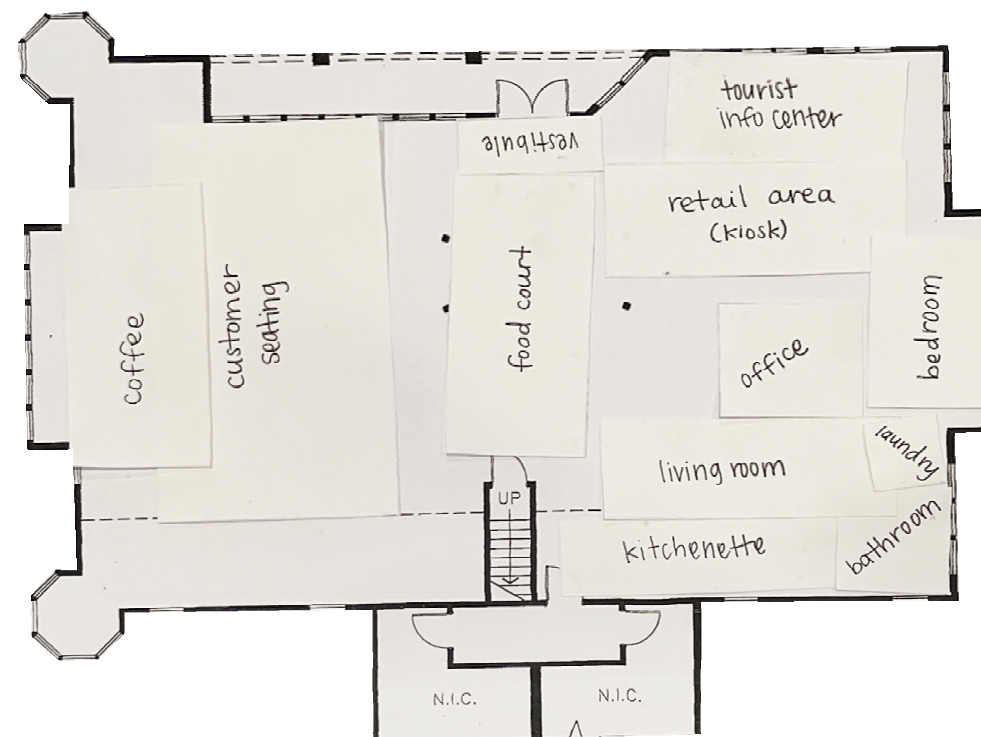
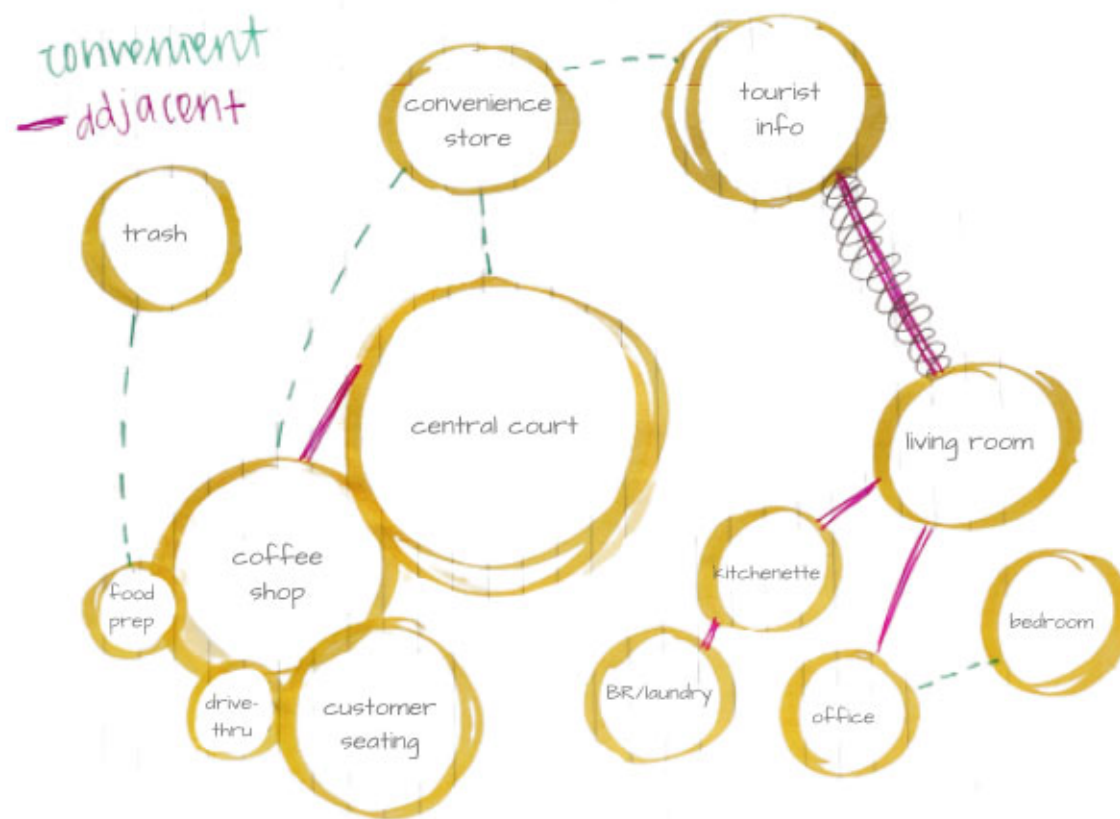
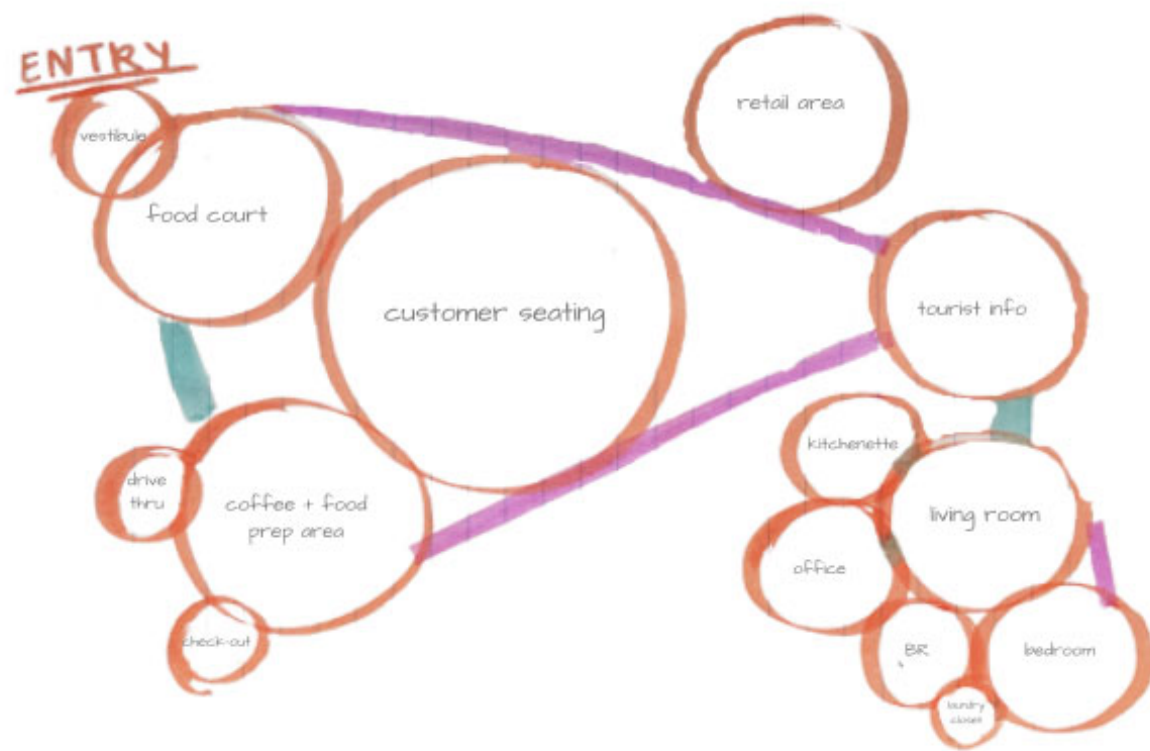
ID0.0

Coversheet

SCALE: 3/8" = 1'-0"

DATE: 12/6/2021

Marguerite H. Eppling



# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

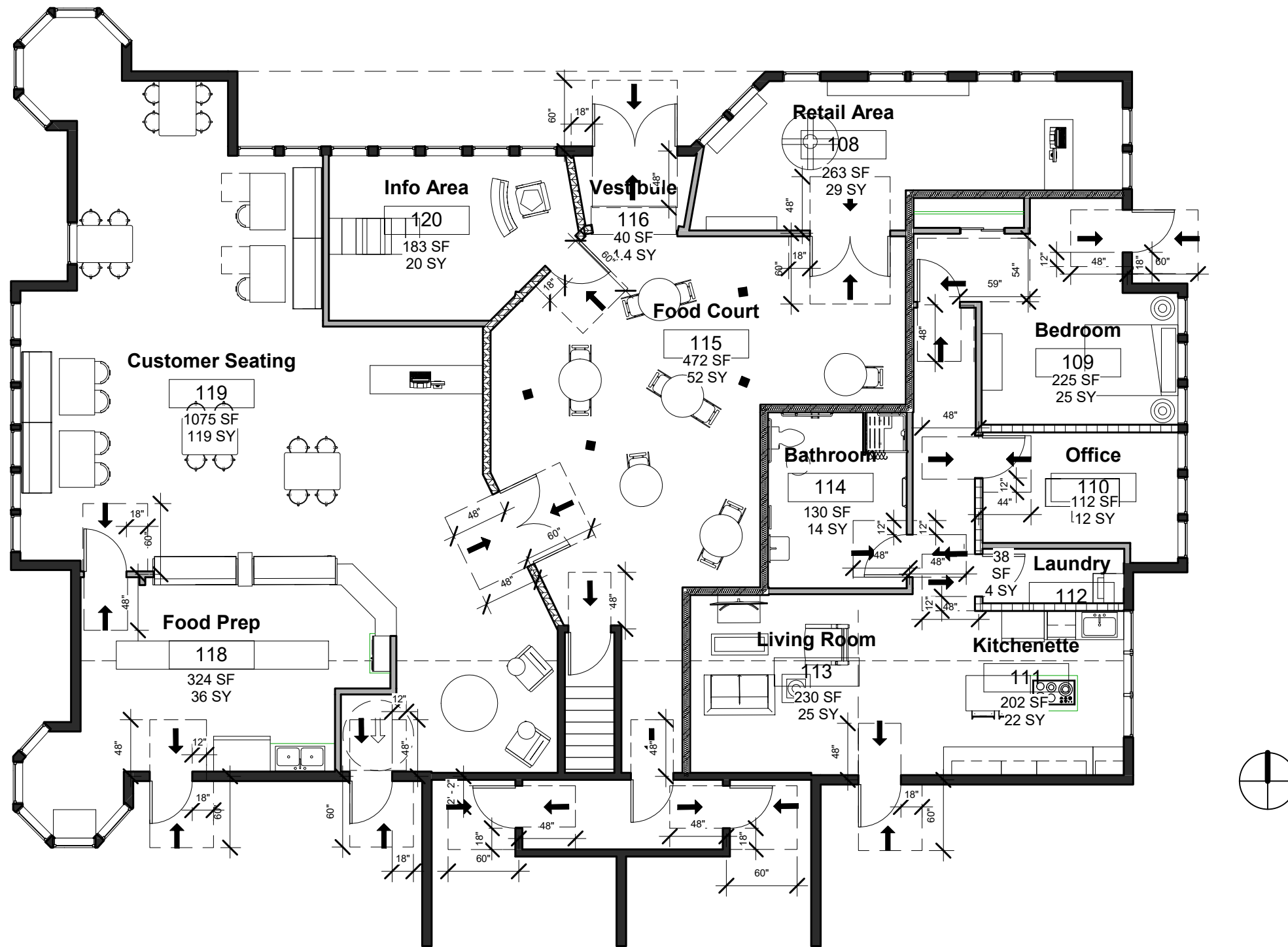
ID0.1

Coversheet

SCALE:

DATE: 12/6/2021

Marguerite H. Eppling



# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

ID1.0

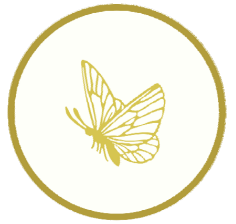
ADA and Life Safety Reference Plan

SCALE: 1/8" = 1'-0"

DATE: 12/6/2021

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# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

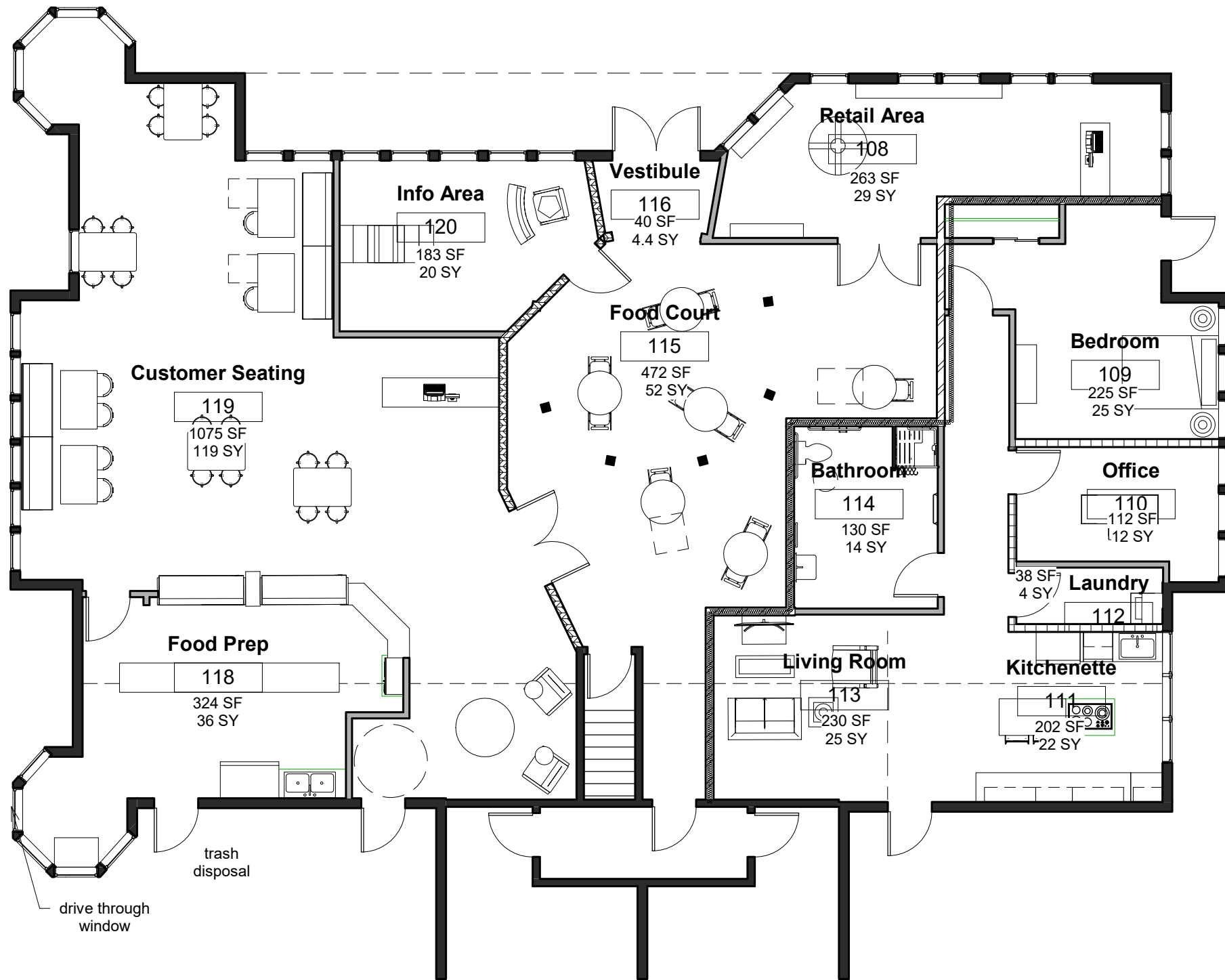
ID2.0

Visitor Center Reference Plan

SCALE: 1/8" = 1'-0"

DATE: 12/6/2021

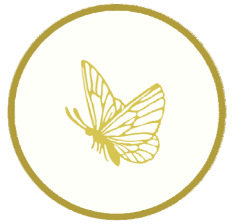
Marguerite H. Eppling



- Non-rated, finished floor to finished ceiling, acoustically insulated, 1/2" (13mm) GWB both sides, 3-5/8" (92mm) metal studs 16" (406mm) o.c.
- Rated 1 hr. slab to underside of structure, 5/8" (16mm) fire rated GWB one side 5/8" (16mm) fire rated, water resistant GWB one side, 3-5/8" (92mm) metal studs 16" (406mm) o.c.
- Rated 2 hrs, slab to underside of structure, 2 layers 5/8" (16mm) fire rated GWB both sides, 3-5/8" (92mm) metal studs 16" (406mm) o.c.



1 Reference Plan  
1/8" = 1'-0"



# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

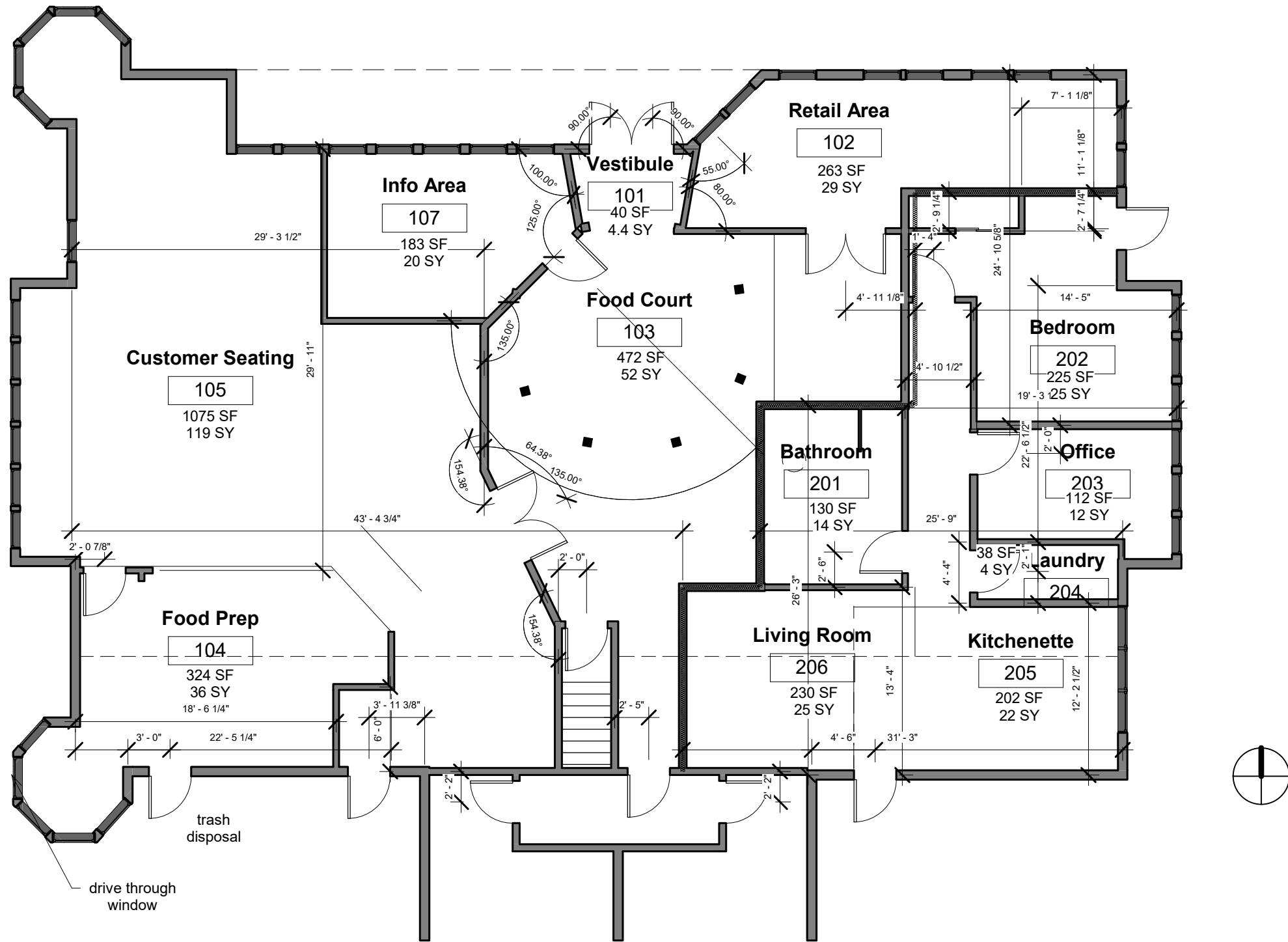
ID2.1

Visitor Center Dimension Plan

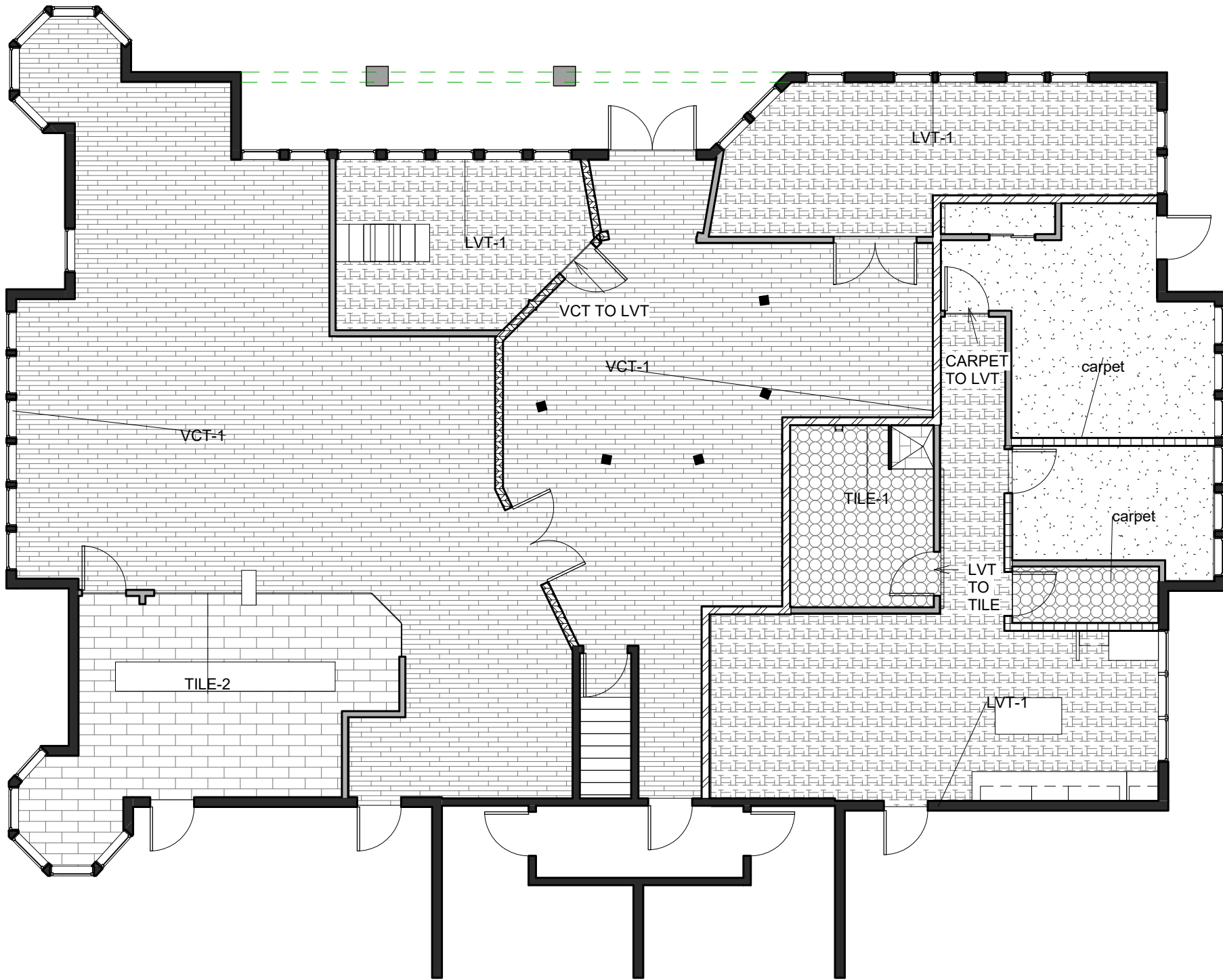
SCALE: 1/8" = 1'-0"

DATE: 12/6/2021

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1 Dimension Plan  
1/8" = 1'-0"



FLOORING FINISHES KEY	
CPT-1	Mohawk: Exquisite Image, Smartstrand Silk Reserve, Color: Forest Twilight
LVT-1	Mannington: Mannington Crown Color: Nordic Oak
VCT-1	Armstrong: 5592 Color: Thunderstorm
T-1	Mercury Mosaics: Large Penny Rounds Color: 32 Canton Jade
T-2	daltile: Quarry Textures Color: Ashen Flash OT04



WINDWARD ISLAND VISITOR  
CENTER DESIGN PRACTICUM AND  
PROGRAM

ID2.2

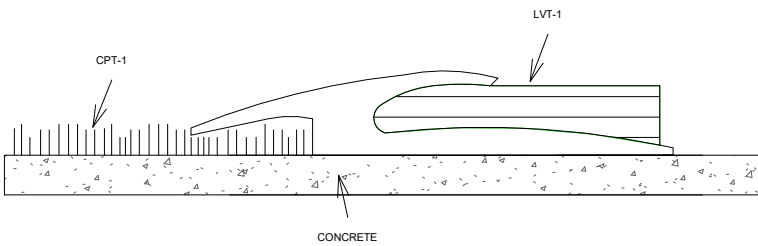
Visitor Center Floor Finish Plan

SCALE: 1/8" = 1'-0"

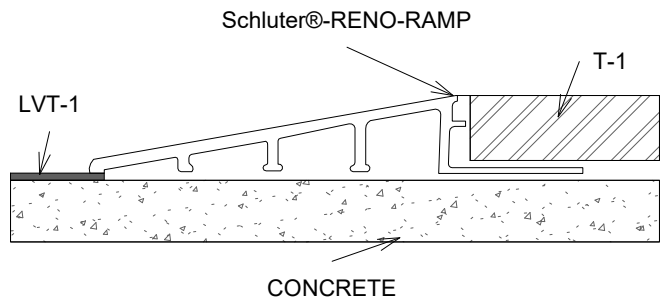
DATE: 12/6/2021

Marguerite H. Eppling

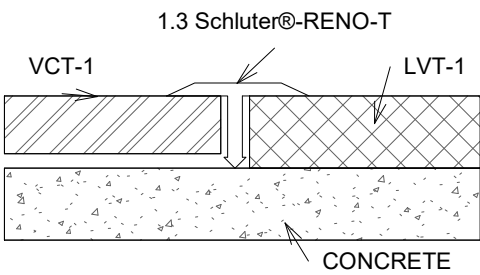




① Carpet+LVT  
1" = 1'-0"



② LVT+Tile  
1" = 1'-0"



③ VCT+LVT  
1" = 1'-0"



WINDWARD ISLAND VISITOR  
CENTER DESIGN PRACTICUM AND  
PROGRAM

ID2.3

Floor Transition Details

SCALE: 1" = 1'-0"

DATE: 12/6/2021

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# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

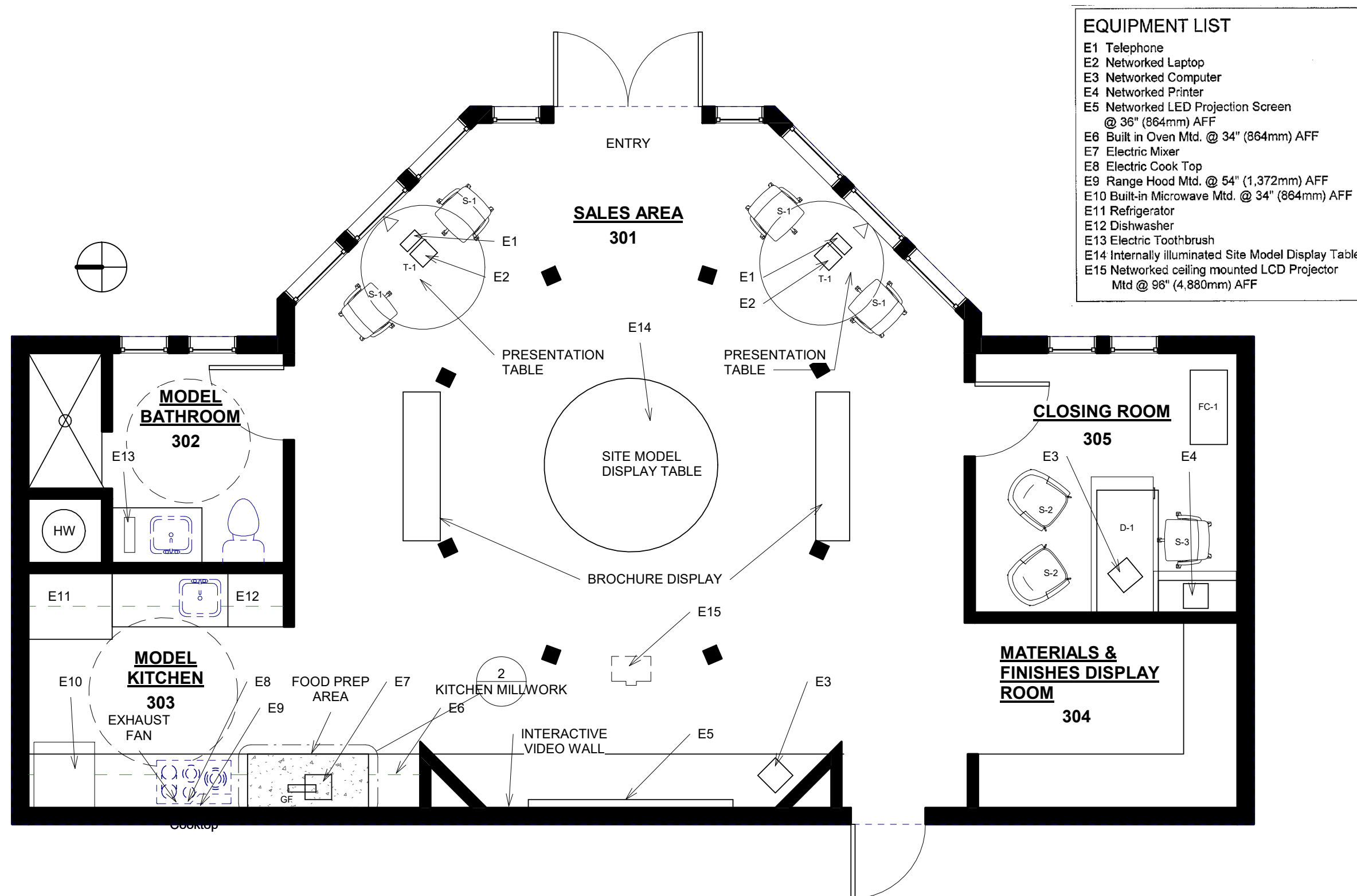
ID2.4

Showroom Reference Plan/ Equipment Plan

SCALE: 1/4" = 1'-0"

DATE: 12/6/2021

Marguerite H. Eppling



## EQUIPMENT LIST

- E1 Telephone
- E2 Networked Laptop
- E3 Networked Computer
- E4 Networked Printer
- E5 Networked LED Projection Screen @ 36" (864mm) AFF
- E6 Built in Oven Mtd. @ 34" (864mm) AFF
- E7 Electric Mixer
- E8 Electric Cook Top
- E9 Range Hood Mtd. @ 54" (1,372mm) AFF
- E10 Built-in Microwave Mtd. @ 34" (864mm) AFF
- E11 Refrigerator
- E12 Dishwasher
- E13 Electric Toothbrush
- E14 Internally illuminated Site Model Display Table
- E15 Networked ceiling mounted LCD Projector Mtd @ 96" (4,880mm) AFF

1 Level 2  
1/4" = 1'-0"



# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

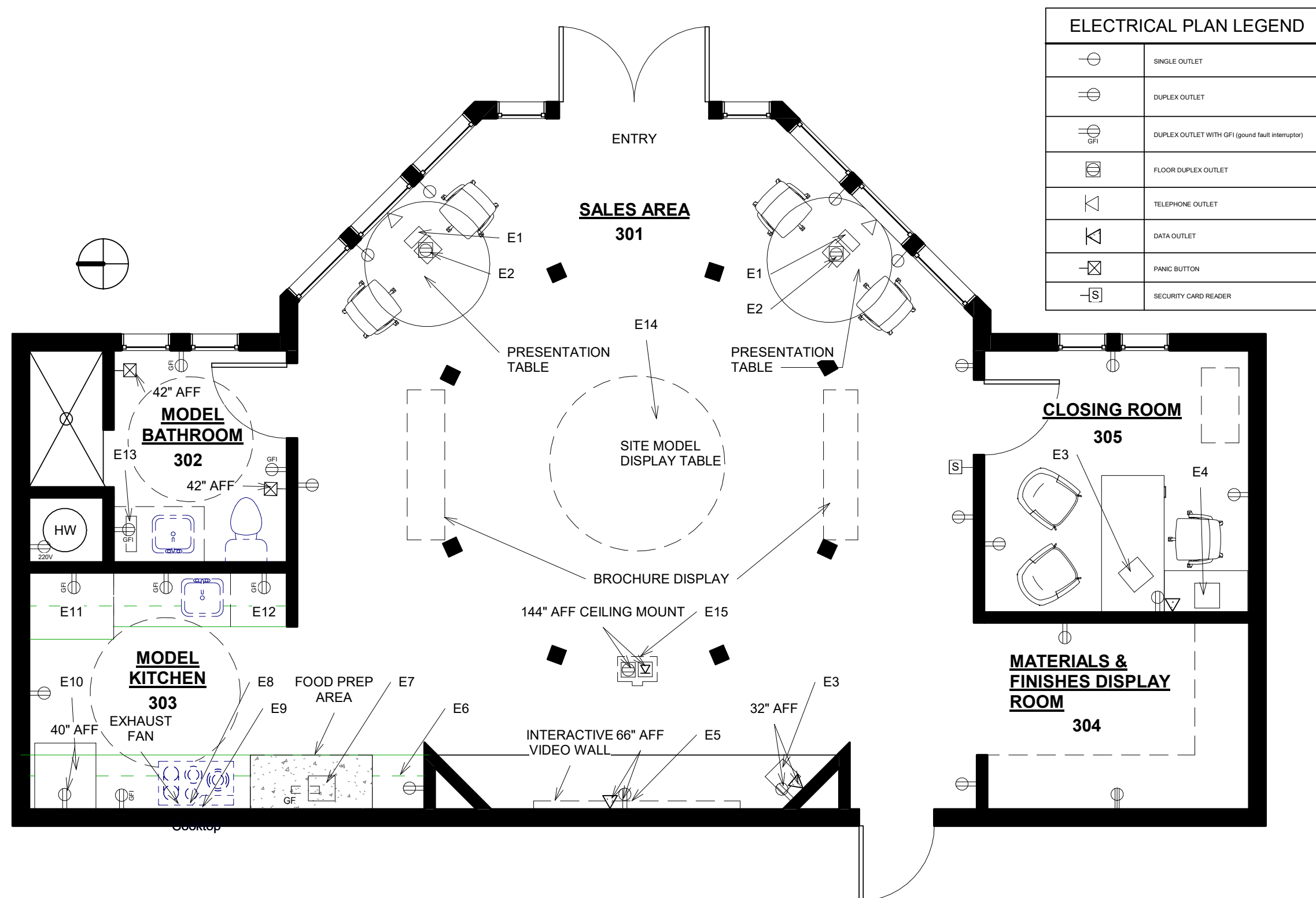
ID2.5

Showroom Electrical Plan

SCALE: 1/4" = 1'-0"

DATE: 12/6/2021

Marguerite H. Eppling



1 Electrical Plan  
1/4" = 1'-0"



# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

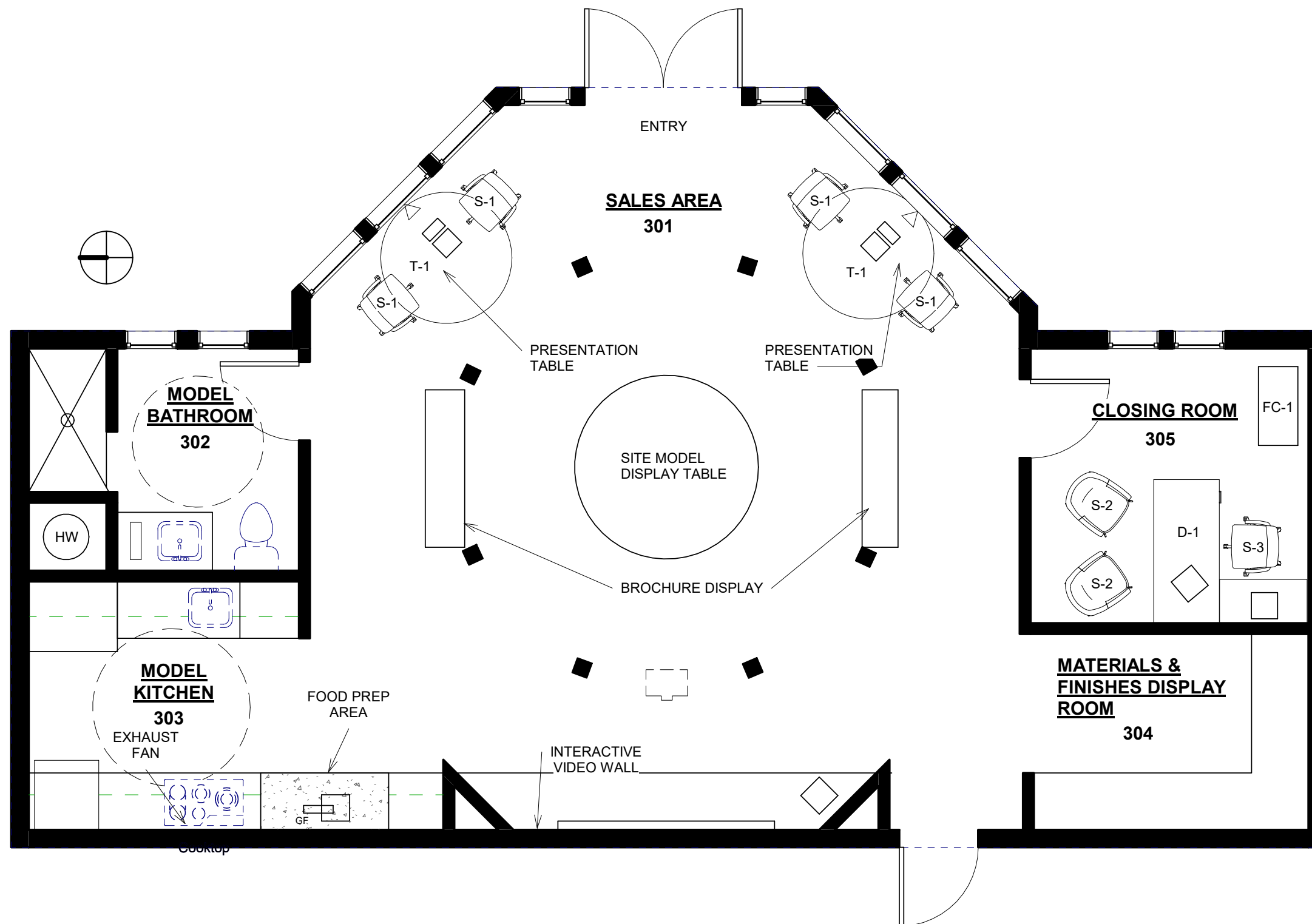
ID2.6

Showroom Furniture Plan

SCALE: 1/4" = 1'-0"

DATE: 12/6/2021

Marguerite H. Eppling



1 LEVEL 2 FURNITURE SPECS  
1/4" = 1'-0"



WINDWARD ISLAND VISITOR CENTER  
ID 3782 FALL 2021  
MARGUERITE H. EPPLING

ISSUED: 12.6.2021

#### FURNITURE



##### SPECIFICATION:

CATEGORY: Desks  
ITEM: Impulse G2  
MFR: OFS  
ITEM NO.:  
DESCRIPTION:  
- 3-ply construction work surface with externally banded hardwood  
- Quickship  
- Patented Eurolux® finish  
- SCS Indoor Advantage Gold Certified - 12 year warranty  
FINISH: Flat cut veneers  
SIZE: Custom

ITEM CODE: D-1

QUANTITY: 1  
ROOM LOCATION: Closing Room  
LEAD TIME: n/a  
PRICE: varies due to customization

##### GENERAL NOTES:

Additional options:  
- Flat cut veneers are available in Cherry, Walnut or Maple - Can be height adjustable

ITEM CODE:  
D-1



WINDWARD ISLAND VISITOR CENTER  
ID 3782 FALL 2021  
MARGUERITE H. EPPLING

ISSUED: 12.6.2021

#### FURNITURE



##### SPECIFICATION:

CATEGORY: Seating  
ITEM: Kasura-Mid Back Guest Chair  
MFR: OFS  
ITEM NO.: 92036  
DESCRIPTION:  
- Upholstered interior and upper back  
- Molded back and seat foam  
- Metal sled base  
FINISH: Upholstered  
SIZE: w: 25", d: 27.5", h: 36"  
WEIGHT: 36 lbs.

ITEM CODE: S-2

QUANTITY: 2  
ROOM LOCATION: Closing Room  
LEAD TIME: n/a  
PRICE: \$364 each

##### GENERAL NOTES:

Additional options:  
- Base finish of polished chrome, standard/ studio powder coats  
- Outside back can be standard veneer, standard/ studio paints or upholstered

##### COM UPHOLSTERY:

COM UPHOLSTERY:  
- Carnegie  
- ITEM #: 6504 | 2  
- COLOR: Petal  
- PRICE: \$67/sq. Yd.  
- 100% Polyester  
- 3 year warranty  
Durability: No wear 10,000 double rubs  
Backing: Unbacked  
Dimensions: 55" width; 5.5" length x 6.5" width REPEAT  
Cleaning Code: WS & BC- Water/Solvent & Bleach  
Flammability:  
- California Technical Bulletin 117-2013; can be treated to pass NFPA 701, IMO 2010 FTP Part 8 for Upholstery with Alta Cruise Finish, NFPA 260 Class 1

ITEM CODE:  
S-2



WINDWARD ISLAND VISITOR CENTER  
ID 3782 FALL 2021  
MARGUERITE H. EPPLING

ISSUED: 12.6.2021

#### FURNITURE



##### SPECIFICATION:

CATEGORY: Seating  
ITEM: Quickstacker -Task Chair  
MFR: OFS ITEM NO.: 429UB  
DESCRIPTION:  
- Fixed arms  
- Upholstered back and white nylon base  
- Chrome frame  
- Casters  
- All styles rated up to 300 lbs.  
FINISH: Upholstered  
SIZE: w: 26", d: 26", h: 30.25/34.5"  
WEIGHT: 27.7 lbs.

ITEM CODE: S-1

QUANTITY: 4  
ROOM LOCATION: Sales Area  
LEAD TIME: n/a  
PRICE: \$525 each

##### GENERAL NOTES:

Additional options:  
- Basic task or swivel tilt control  
- Hard or soft wheel casters  
- Glides

ITEM CODE:  
S-1



WINDWARD ISLAND VISITOR CENTER  
ID 3782 FALL 2021  
MARGUERITE H. EPPLING

ISSUED: 12.6.2021

#### FURNITURE



##### SPECIFICATION:

CATEGORY: File Cabinet  
ITEM: OE1 Trolley, Top Drawer & File Bin  
MFR: Herman Miller | Sam Hecht and Kim Collinn  
ITEM NO.: 100202817  
DESCRIPTION:  
- Slim profile  
- Tubular steel and formed metal sheet  
- Plastic casters  
- Sustainably sourced ocean bound plastic files hooks  
- Full warranty  
- Features top tray  
- Comes fully assembled  
FINISH: Powder-coated  
SIZE: w: 20", d: 11", h: 22"

ITEM CODE: FC-1

QUANTITY: 1  
ROOM LOCATION: Closing Room  
LEAD TIME: n/a  
PRICE: \$615 each

##### GENERAL NOTES:

Additional options:  
- Available in a variety of colors  
- Different configurations

ITEM CODE:  
FC-1



WINDWARD ISLAND VISITOR CENTER  
ID 3782 FALL 2021  
MARGUERITE H. EPPLING

ISSUED: 12.6.2021

#### FURNITURE



##### SPECIFICATION:

CATEGORY: Seating  
ITEM: Pret-Task Chair  
- Mesh one piece task chair  
MFR: OFS ITEM NO.: 86017  
DESCRIPTION:  
- Mid back  
- Fixed loop arms  
- One-piece mesh shell  
- Body Balance Control  
- Hard wheel casters  
FINISH: Upholstered  
SIZE: w: 26", d: 26", h: 30.25/34.5"  
WEIGHT: 24 lbs.

ITEM CODE: S-3

QUANTITY: 1  
ROOM LOCATION: Closing Room  
LEAD TIME: n/a  
PRICE: \$768 each

##### GENERAL NOTES:

Additional options:  
- Seven mesh colors: chartreuse, citrus, dove, granite, ocean, raven, toast  
- Carbon, chalk or graphite frame  
- Carbon, chalk or graphite nylon base

ITEM CODE:  
S-3



WINDWARD ISLAND VISITOR CENTER  
ID 3782 FALL 2021  
MARGUERITE H. EPPLING

ISSUED: 12.6.2021

#### FURNITURE



##### SPECIFICATION:

CATEGORY: Tables  
ITEM: Rockwell Unscripted Easy Table  
MFR: Knoll/David Rockwell 2017  
ITEM NO.: N/A  
DESCRIPTION:  
- 42" table seats 4 armchairs or 5 armless chairs  
- 1.25" thick tops of laminate surface and bullnose ABS edge  
- Steel legs with painted finish  
- Legs have adjustable glides  
- GREENGUARD GOLD Indoor Air Quality Certified®  
- GREENGUARD Gold Certified®  
FINISH: Folkstone Grey Laminate and Legs  
SIZE: w: 42", d: 42", h: 28"

ITEM CODE: T-1

QUANTITY: 2  
ROOM LOCATION: Sales Area  
LEAD TIME: 5 weeks  
PRICE: \$535 each

##### GENERAL NOTES:

Additional options:  
- Capsule grommets with options for 1 or 2 outlets and 1 dual USB  
- Available linked, cordset or hardwired (see above image)

ITEM CODE:  
T-1



## WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

ID2.7

Showroom Furniture Specifications

SCALE:

DATE: 12/6/2021

Marguerite H. Eppling





# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

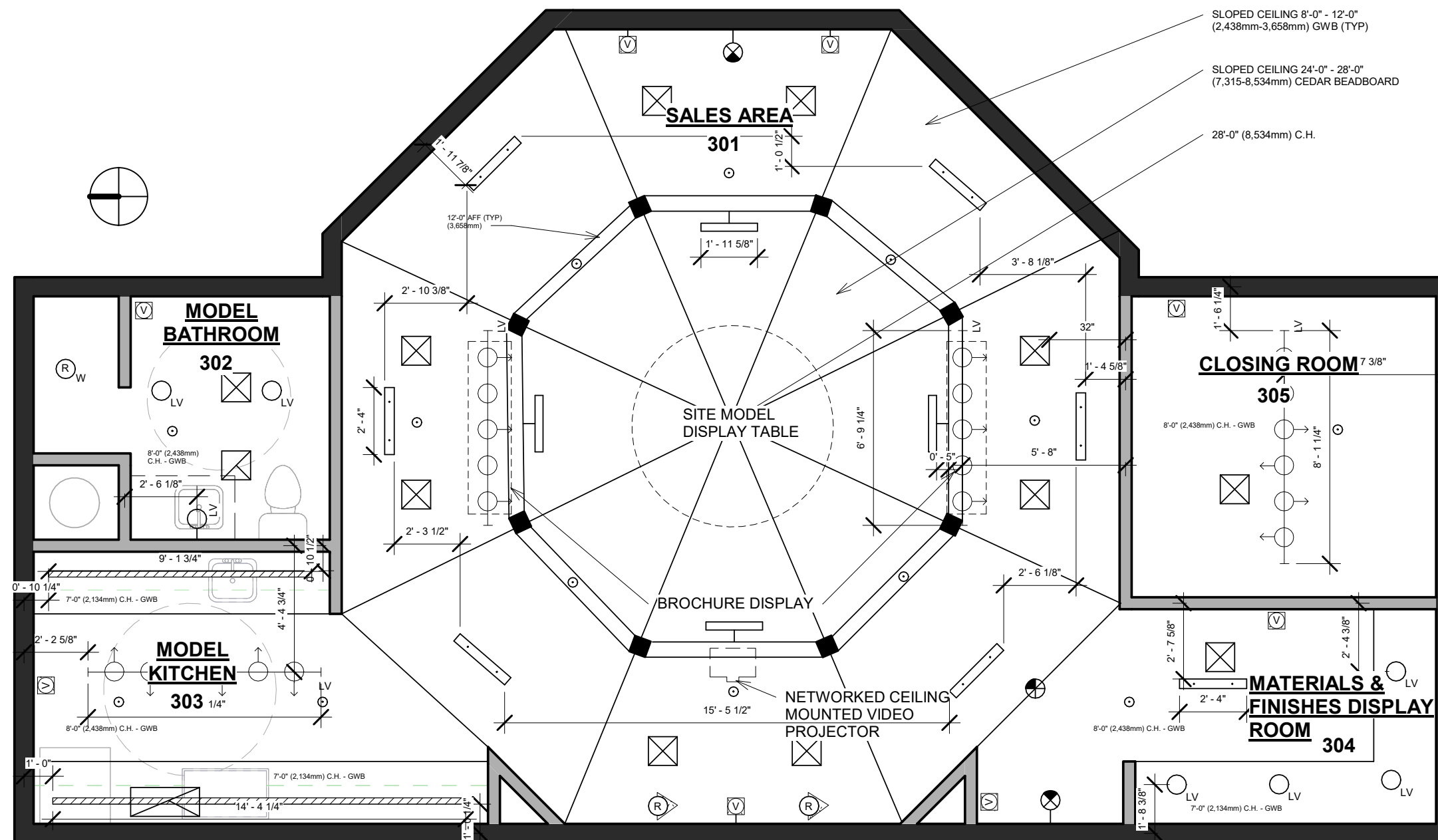
ID3.0

Showroom RCP/Dimension Plan

SCALE: As indicated

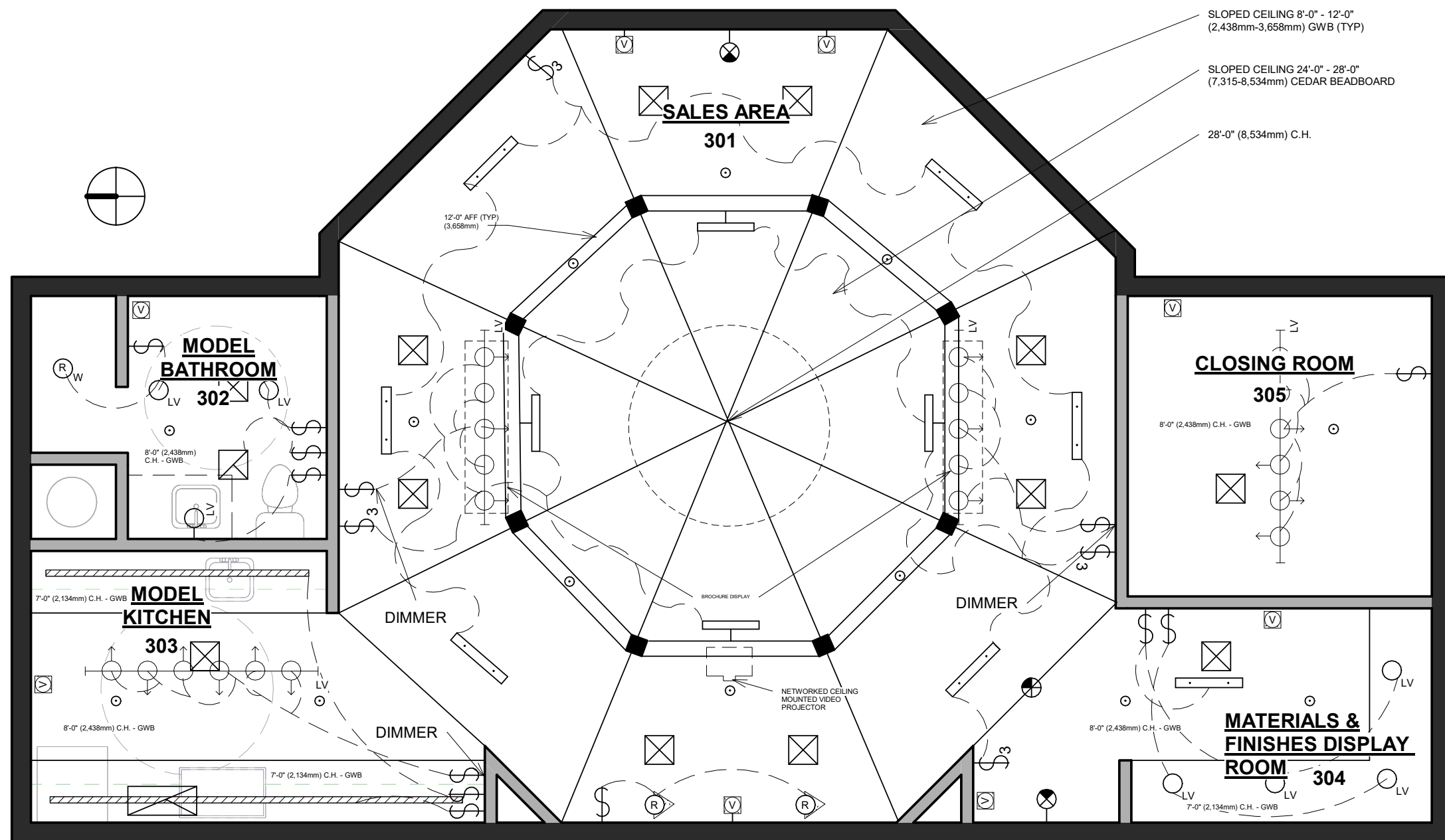
DATE: 12/6/2021

Marguerite H. Eppling



1 Level 2 RCP/DIMENSION  
1/4" = 1'-0"

LIGHTING LEGEND		
WALL	CEILING	
		SURFACE-MOUNTED TRACK FIXTURE, LOW-VOLTAGE INCANDESCENT LAMP
		PENDANT MOUNTED LINEAR FIXTURE, FLUORESCENT LAMP
		UNDER CABINET FIXTURE, LOW-VOLTAGE INCANDESCENT LAMP
		RECESSED WALL WASHER, INCANDESCENT LAMP
		SURFACE-MOUNTED FIXTURE, LOW-VOLTAGE INCANDESCENT LAMP
		VISUAL FIRE ALARM
		ILLUMINATED EXIT SIGN
		RECESSED WET LABEL FIXTURE, INCANDESCENT LAMP



SLOPED CEILING 8'-0" - 12'-0"  
(2,438mm-3,658mm) GWB (TYP)

**SALES AREA**

**MODEL**  
**BATHROOM**

8'-0" (2,438mm)  
C.H. - G.W.B.

## MODEL KITCHEN

8'-0" (2,438mm) C.H. - GWB

7'-0" (2,134mm) C.H. - GWB

DIMMER

DIMMER

BROCHURE DISPLAY

NETWORKED CEILING  
MOUNTED VIDEO  
PROJECTOR

DIMMER

## CLOSING ROOM

8'-0" (2,438mm) C.H. - GWB

## **MATERIALS & FINISHES DISPLAY**

7'-0" (2.134mm) C.H. - GWB

① Level 2 SWITCH PLAN  
1/4" = 1'-0"



# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND

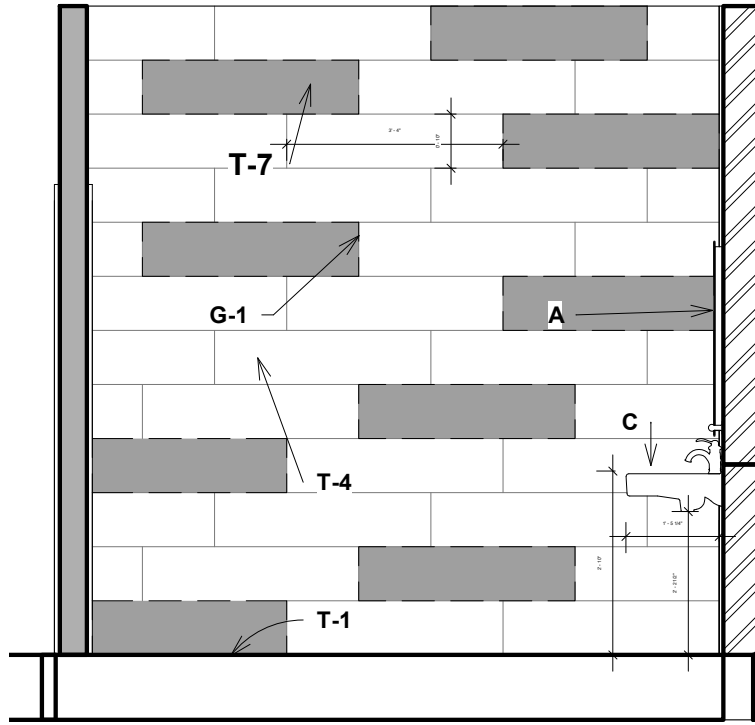
## ID3.1

## Showroom Switching Plan

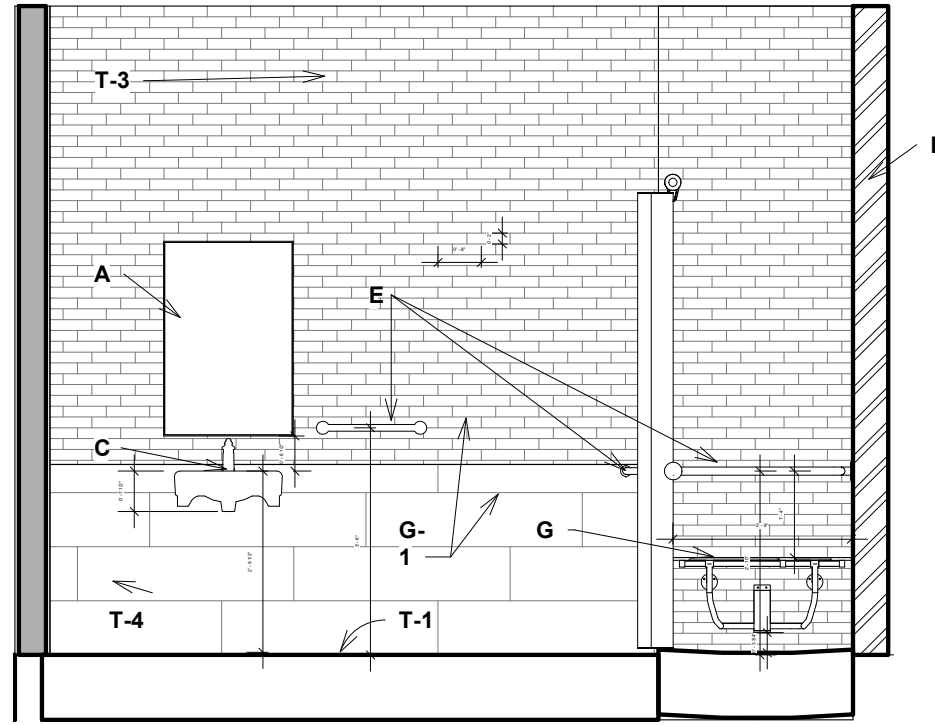
SCALE: 1/4" = 1'-0"

DATE: 12/6/2021

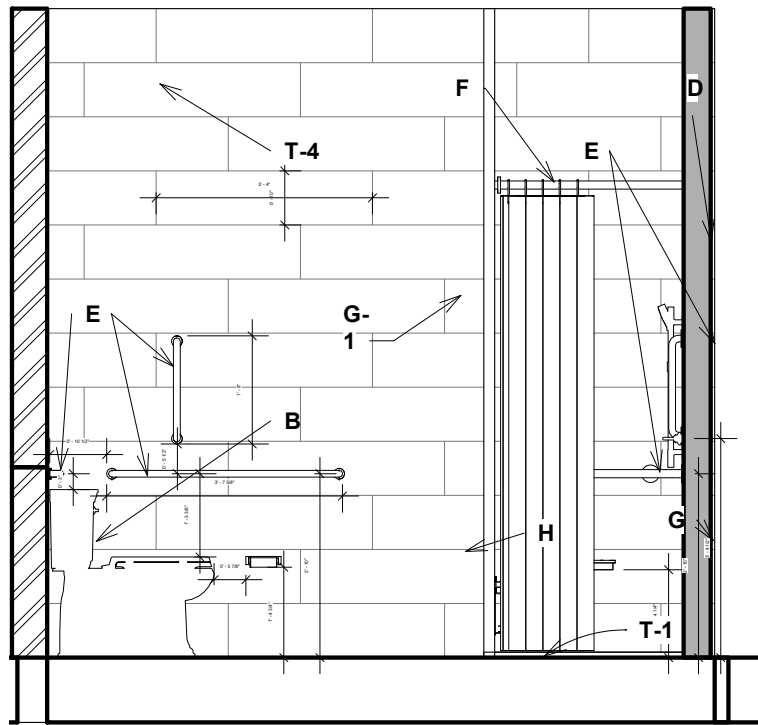
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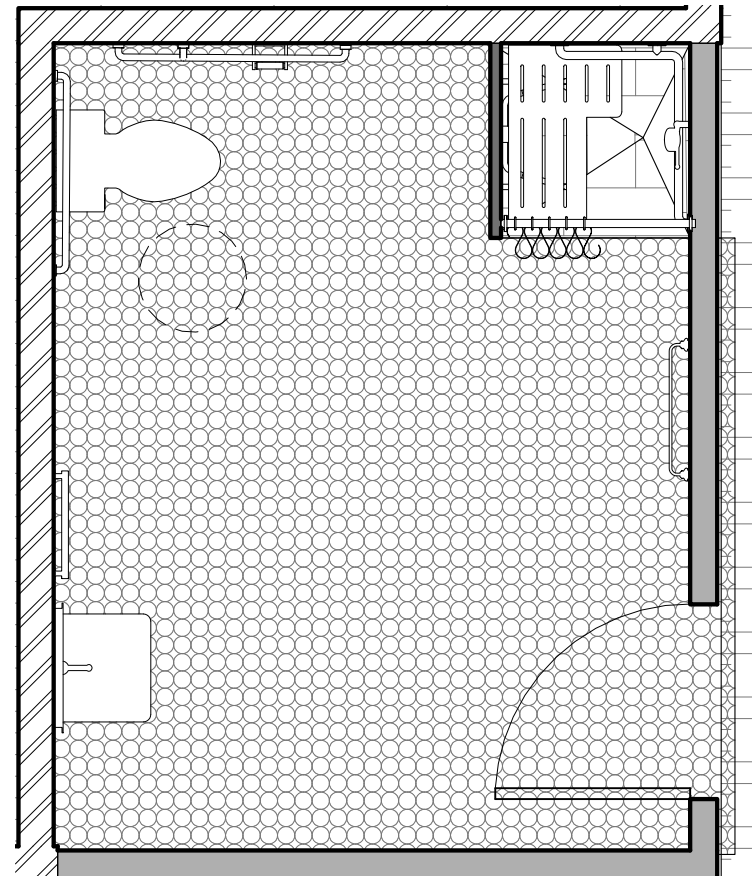
1 Section 1  
3/8" = 1'-0"



2 Section 2  
3/8" = 1'-0"



3 Section 3  
3/8" = 1'-0"



4 Level 1 - Callout 1  
3/8" = 1'-0"



# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

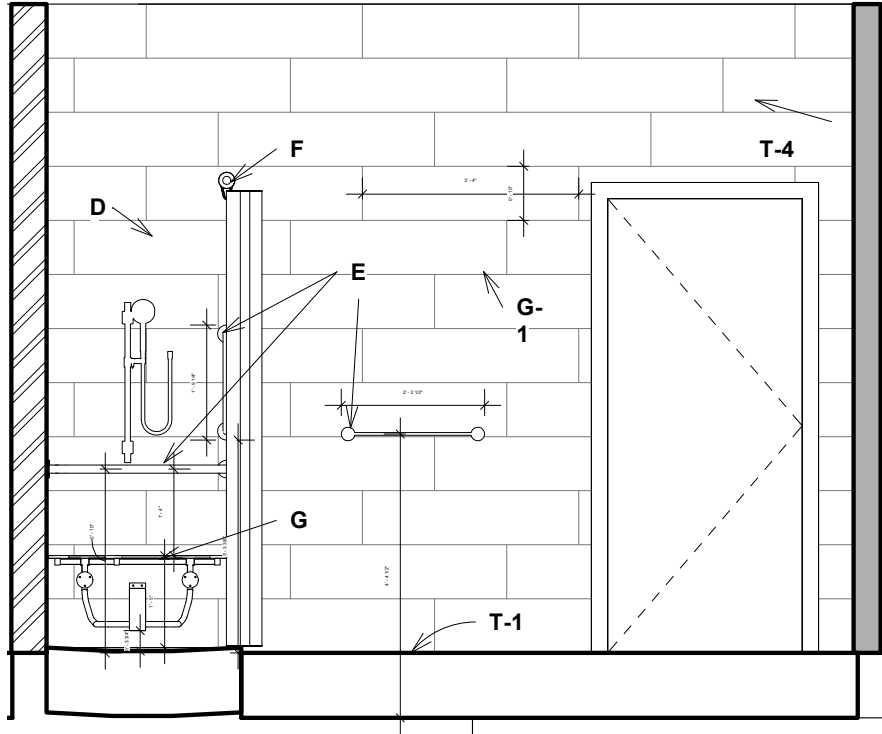
ID4.0

Elevations

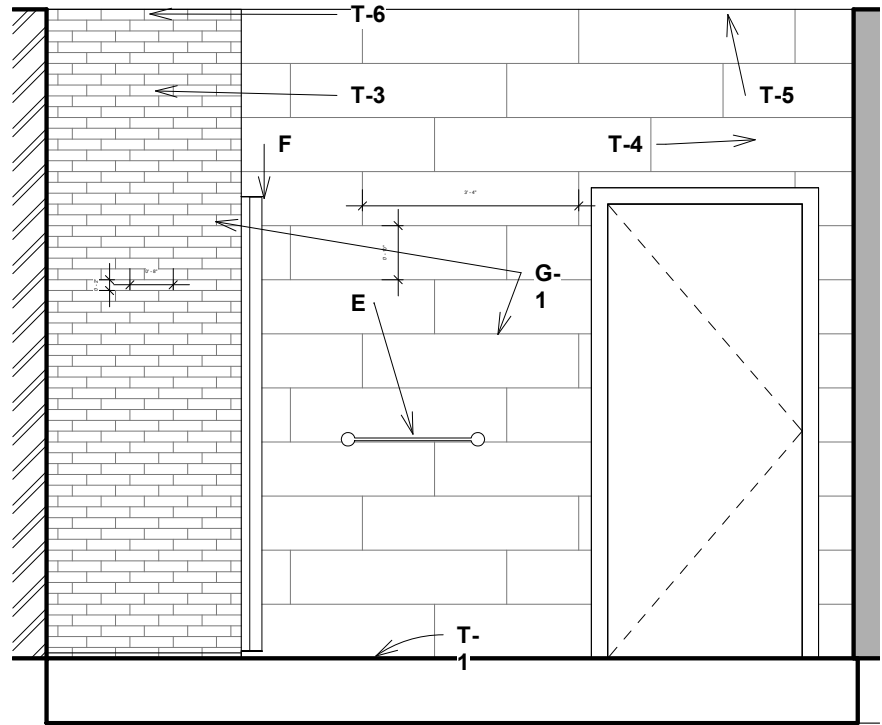
SCALE: 3/8" = 1'-0"

DATE: 12/6/2021

Marguerite H. Eppling



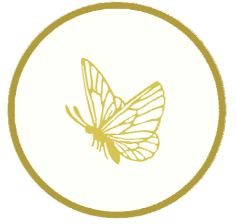
1 Section 4  
3/8" = 1'-0"



2 Section 5  
3/8" = 1'-0"

BATHROOM ACCESSORIES KEY	
<b>A</b>	Bobrick-164 2436 LED BackLit Mirror
<b>B</b>	KOHLER- Windham™ Comfort Height® Comfort Height(R) ADA Elongated Toilet With Pro Force(R) Technology and Right-Hand Trip Lever
<b>C</b>	KOHLER- Greenwich™ 20-3/4" x 18-1/4" wall-mount/concealed arm carrier bathroom sink with 4" centerset faucet holes
<b>D</b>	KOHLER- K-99242 Shower Head
<b>E</b>	KOHLER- Rod K-11892 (varioius sizes)
<b>F</b>	Bobrick- 207 x 48 Concealed Mounting Shower Curtain Curtain and Rod
<b>G</b>	Bobrock- B-5181 Reversible Solid Phenolic Folding Shower Seat
<b>H</b>	Bobrick- B-273 ClassicSeries® Toilet Tissue Dispenser for Single Roll

3 Bathroom Accessories Key  
1/8" = 1'-0"



# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

ID4.1

Elevations

SCALE: As indicated

DATE: 12/6/2021

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# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

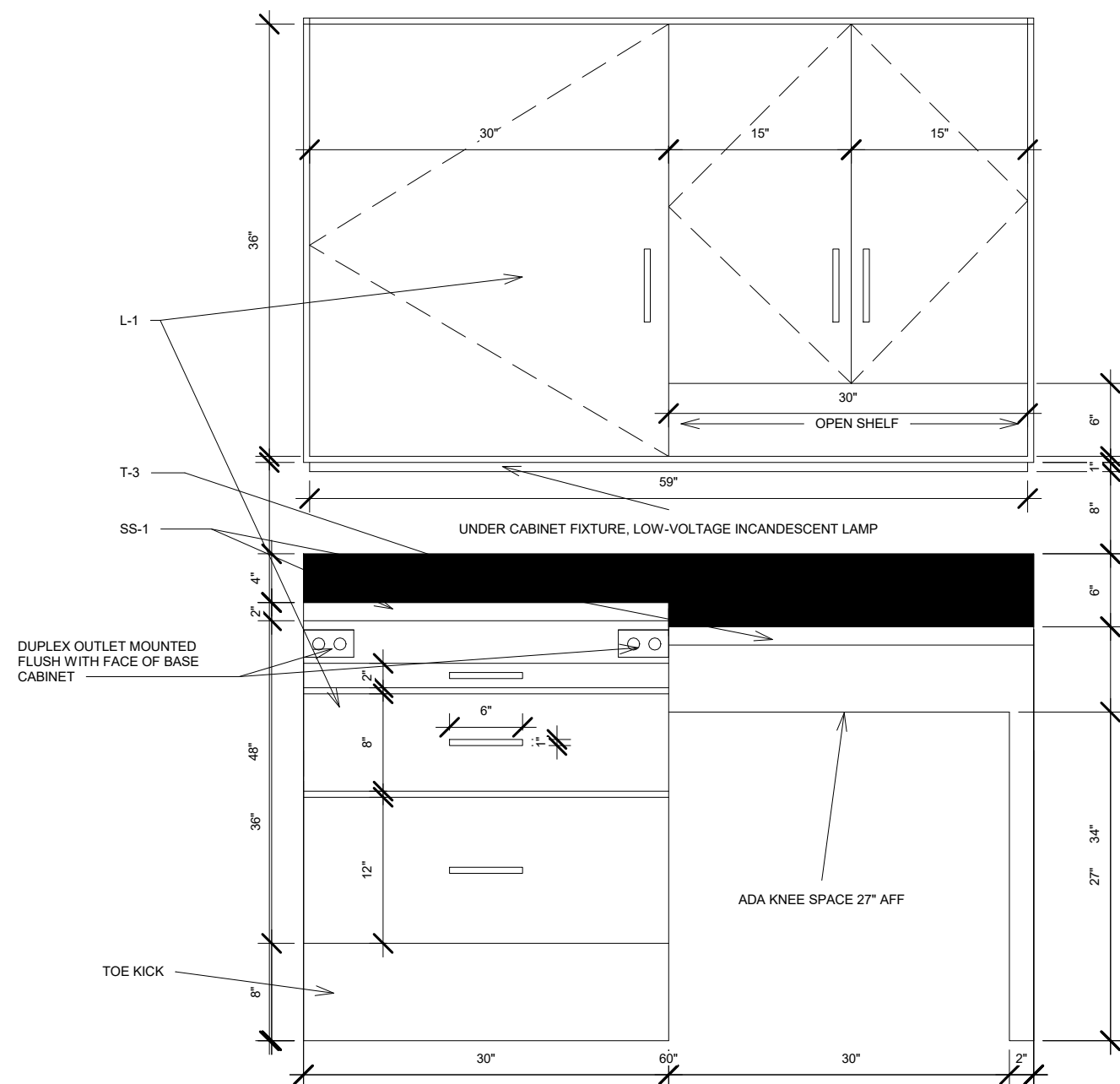
## ID5.0

## Millwork

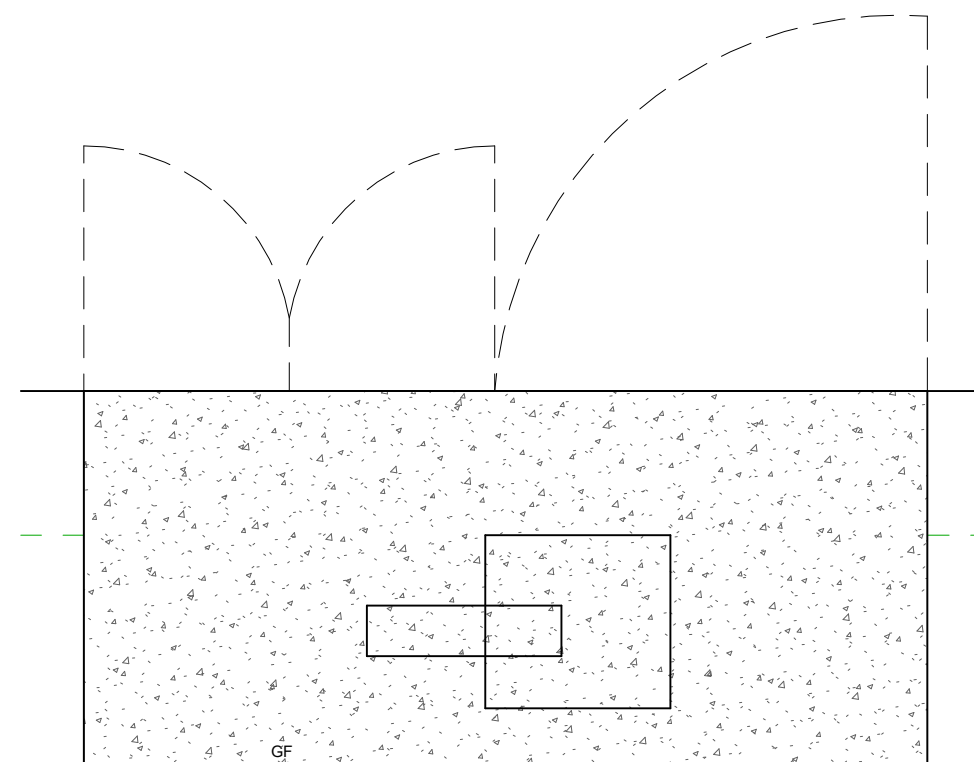
SCALE: 1" = 1'-0"

DATE: 12/6/2021

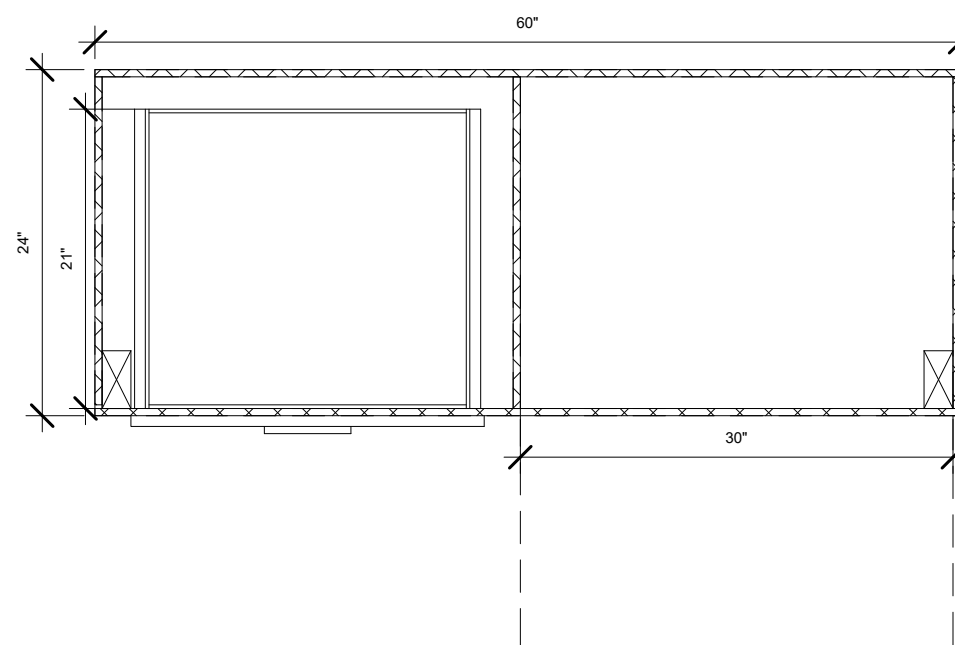
Marguerite H. Eppling



1 Model Kitchen ELEVATION  
1" = 1'-0"

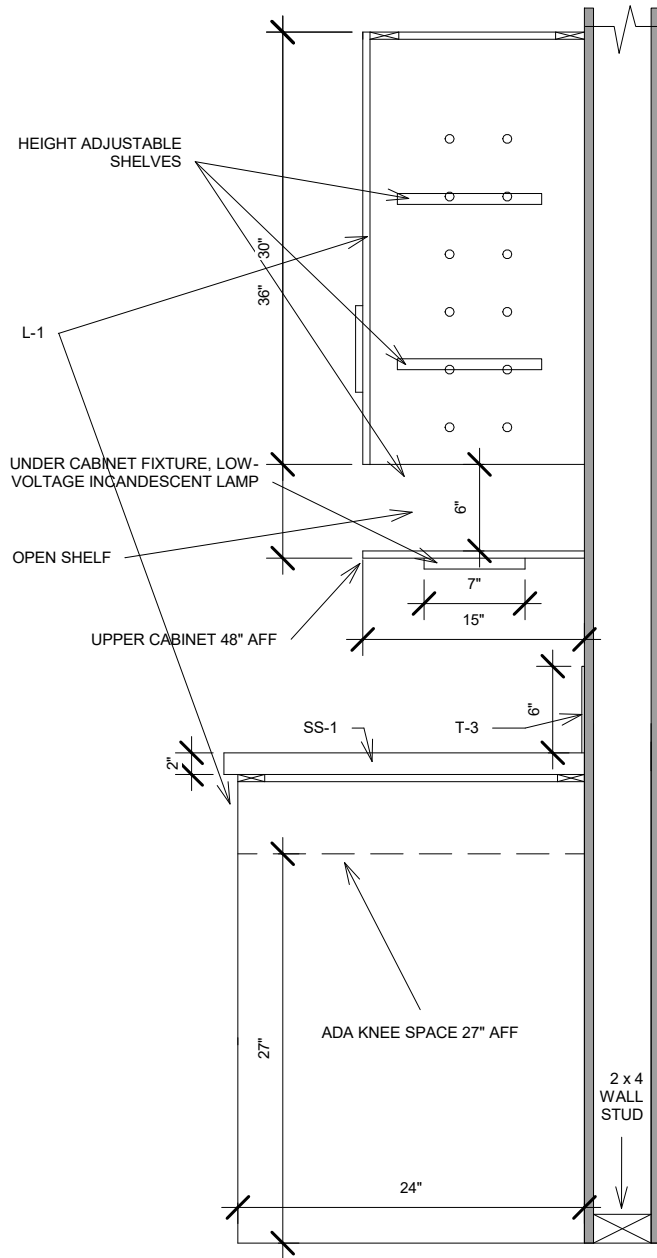


2 Millwork-Model Kitchen Floorplan  
1" = 1'-0"

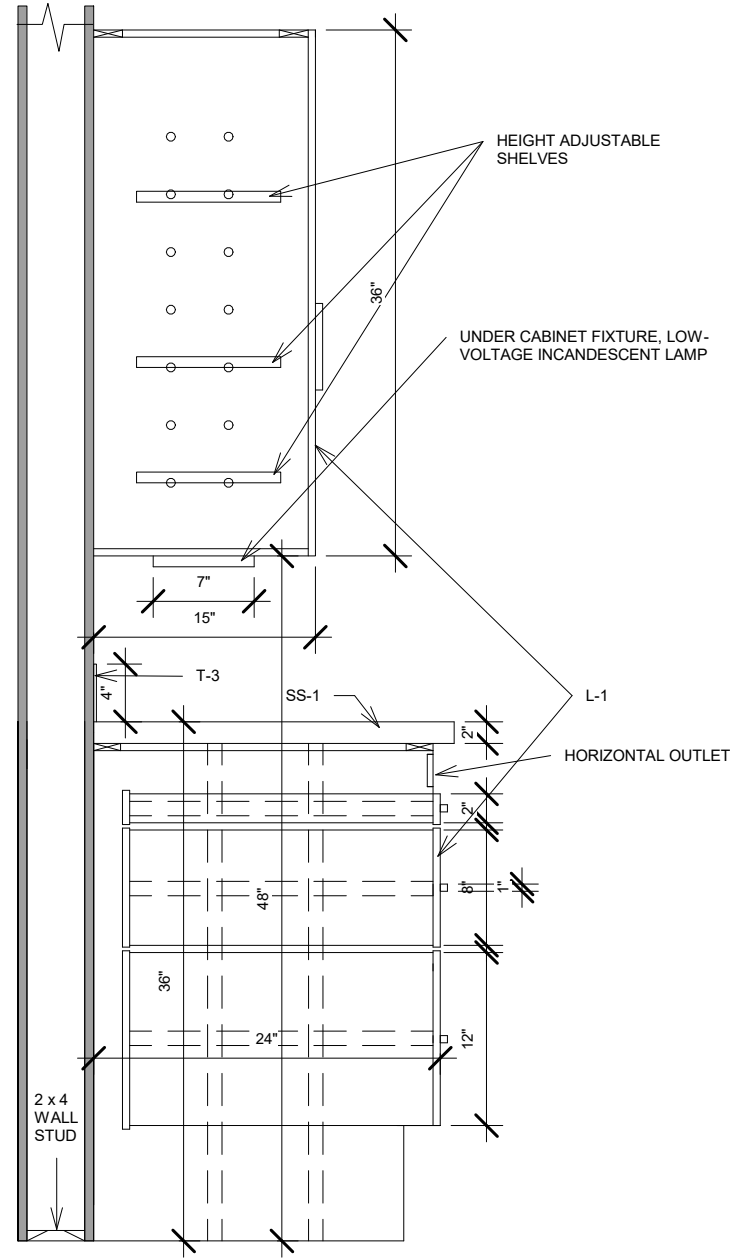


3 TOP VIEW  
1" = 1'-0"





① Model Kitchen ADA SECTION A  
1" = 1'-0"



② Model Kitchen SECTION B  
1" = 1'-0"



# WINDWARD ISLAND VISITOR CENTER DESIGN PRACTICUM AND PROGRAM

ID5.1

Millwork

SCALE: 1" = 1'-0"

DATE: 12/6/2021

Marguerite H. Eppling

FINISH LEGEND				
MARK	MANUFACTURER	MODEL, NAME & COLOR	SIZE & SPEC	
LVT-1	MANNINGTON	STYLE: Mannington Crown; COLOR: Nordic Oak	7” x 48”, Rigid Core LVT with Micro-beveled Edges	
CPT-1	MOWHAWK	STYLE: Exquisite Image, Smartstrand Silk Reserve; COLOR: Forest Twilight	7.25" W x 11.5" L,	
VCT-1	ARMSTRONG	ITEM: #55922; COLOR: Thunderstorm	12 in. x 24 in. x 0.125 in., Premium Excelon Raffia Stream	
T-1	MERCURY MOSAICS	STYLE: Large Penny Rounds; COLOR: 32 Canton Jade	12 3/4" x 12 1/4" sheet, 1/4" thickness	
T-2	DALTILE	STYLE: Quarry Textures; Color: Ashen Flash 0T04	3 7/8" x 8", Matte Finish	
T-3	TILEBAR	Nabi Deep Emerald Green Cracked Ceramic Wall Tile, COLOR: GREEN	3" x 6", 10mm thickness, glazed	
T-4	TILEBAR	Basic White Polished Ceramic Tile, COLOR: white	12" x 24", 9.5mm thickness, Chemical resistant, polished	
T-5	TILEBAR	Basic White Polished Ceramic Tile, COLOR: white	BULLNOSE , 12" x 24", 9.5mm thickness, Chemical resistant, polished	
T-6	TILEBAR	Nabi Deep Emerald Green Cracked Ceramic Wall Tile, COLOR: GREEN	BULLNOSE , 3" x 6", 10mm thickness, glazed	
T-7	TILEBAR	Bond Viridum Green 12x24 Matte Porcelain Tile, COLOR: GREEN	12" x 24", 9mm thickness, matte	
PT-1	SHERWIN-WILLIAMS	SW-9171 Felted Wool	Finish: EGGSHELL	
PT-2	SHERWIN-WILLIAMS	SW-8917 Shell White	Finish: FLAT	
PT-3	SHERWIN-WILLIAMS	SW-9130 Evergreen Fog	Finish: EGGSHELL	
PT-4	SHERWIN-WILLIAMS	SW-9104 Woven Wicker	Finish: EGGSHELL	
PT-5	SHERWIN-WILLIAMS	SW-7042 Shoji White	Finish: EGGSHELL	
PT-6	SHERWIN-WILLIAMS	SW-6221 Moody Blue	Finish: EGGSHELL	
PT-7	SHERWIN-WILLIAMS	SW-7069 Iron Ore	Finish: EGGSHELL	
PT-8	SHERWIN-WILLIAMS	SW-9084 Cocoa Whip	Finish: EGGSHELL	
PT-9	SHERWIN-WILLIAMS	SW-6233 Somovar Silver	Finish: EGGSHELL	
PT-10	SHERWIN-WILLIAMS	SW-6233 Lullaby	Finish: EGGSHELL	
L-1	WILSONART	STYLE: 12 SOFTGRAIN FINISH WITH AEON, ITEM #: 7966K-12, COLOR: 5TH AVE. ELM7966	Design Repeat Width: 29", Design Repeat Length: 48.5"	
L-2	WILSONART	STYLE: 38 FINE VELVET TEXTURE FINISH, ITEM #: 4907-38, COLOR: DEEP SPRINGS 4907	Design Repeat Length: 37", Design Repeat Width: 36.5"	
SS-1	WILSONART	STYLE: SOLID SURFACE, COLOR: ARCTIC DUNE 9253CM	Sheet Size: 30" x 144"	
G-1	LATICRETE	ITEM: #60 COLOR: DUSTY GREY		
RB-1	ARMSTRONG	ITEM #: R48SL Coved Roll, COLOR: SALT	120 ft, 4in height	

FINISH KEY	
MARK	DESCRIPTION
CPT	CARPET
PT	PAINT
LVT	LUXURY VINYL TILE
VCT	VINYL COMPOSITION TILE
T	TILE
L	LAMINATES
SS	SOLID SURFACE
G	GROUT



WINDWARD ISLAND VISITOR  
CENTER DESIGN PRACTICUM AND  
PROGRAM

ID6.0

Finish Legend/Room Schedule

SCALE:

DATE: 12/6/2021

Marguerite H. Eppling

ROOM SCHEDULE								
RM #	NAME	FLOOR FINISH	BASE FINISH	(N) WALL FINISH	(S) WALL FINISH	(E) WALL FINISH	(W) WALL FINISH	CEILING FINISH
101	Vestibule	VCT-1	RB-1	PT-1	PT-10	PT-10	PT-1	PT-2
102	Retail Area	LVT-1	RB-1	PT-3	PT-3	PT-3	PT-3	PT-2
103	Food Court	VCT-1	RB-1	PT-5	PT-5	PT-5	PT-5	PT-2
104	Food Preparation Area	T-2, G-1	RB-1	PT-10	PT-10	PT-10	PT-10	PT-2
105	Customer Seating	VCT-1	RB-1	PT-4	PT-4	PT-4	PT-4	PT-2
107	Information Area	VCT-1	RB-1	PT-7	PT-7	PT-4	PT-4	PT-2
201	Bathroom	T-1, G-1	RB-1	T-4, T-5, G-1	T-4, T-7, G-1	T-3, T-4, T-5, T-6, G-1	T-3, T-4, T-5, T-6, G-1	PT-2
202	Bedroom	CPT-1	RB-1	PT-8	PT-8	PT-8	PT-8	PT-2
203	Office	CPT-1	RB-1	PT-3	PT-3	PT-3	PT-3	PT-2
204	Laundry	T-1, G-1	RB-1	PT-9	PT-9	PT-9	PT-9	PT-2
205	Kitchenette	LVT-1	RB-1	PT-10	PT-10	PT-10	PT-10	PT-2
206	Living Room	LVT-1	RB-1	PT-8	PT-8	PT-8	PT-8	PT-2

FINISH LEGEND				
MARK	MANUFACTURER	MODEL, NAME & COLOR	SIZE & SPEC	
LVT-1	MANNINGTON	STYLE: Mannington Crown; COLOR: Nordic Oak	7" x 48", Rigid Core LVT with Micro-beveled Edges	
CPT-1	MOWHAWK	STYLE: Exquisite Image, Smartstrand Silk Reserve; COLOR: Forest Twilight	7.25" W x 11.5" L,	
VCT-1	ARMSTRONG	ITEM: #55922; COLOR: Thunderstorm	12 in. x 24 in. x 0.125 in., Premium Excelon Raffia Stream	
T-1	MERCURY MOSAICS	STYLE: Large Penny Rounds; COLOR: 32 Canton Jade	12 3/4" x 12 1/4" sheet, 1/4" thickness	
T-2	DALTILE	STYLE: Quarry Textures; Color: Ashen Flash 0T04	3 7/8" x 8", Matte Finish	
T-3	TILEBAR	Nabi Deep Emerald Green Cracked Ceramic Wall Tile, COLOR: GREEN	3" x 6", 10mm thickness, glazed	
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PT-8	SHERWIN-WILLIAMS	SW-9084 Cocoa Whip	Finish: EGGSHELL	
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L-1	WILSONART	STYLE: 12 SOFTGRAIN FINISH WITH AEON, ITEM #: 7966K-12, COLOR: 5TH AVE. ELM7966	Design Repeat Width: 29", Design Repeat Length: 48.5"	
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RB-1	ARMSTRONG	ITEM #: R48SL Coved Roll, COLOR: SALT	120 ft, 4in height	

ROOM SCHEDULE								
RM #	NAME	FLOOR FINISH	BASE FINISH	(N) WALL FINISH	(S) WALL FINISH	(E) WALL FINISH	(W) WALL FINISH	CEILING FINISH
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102	Retail Area	LVT-1	RB-1	PT-3	PT-3	PT-3	PT-3	PT-2
103	Food Court	VCT-1	RB-1	PT-5	PT-5	PT-5	PT-5	PT-2
104	Food Preparation Area	T-2, G-1	RB-1	PT-10	PT-10	PT-10	PT-10	PT-2
105	Customer Seating	VCT-1	RB-1	PT-4	PT-4	PT-4	PT-4	PT-2
107	Information Area	VCT-1	RB-1	PT-7	PT-7	PT-4	PT-4	PT-2
201	Bathroom	T-1, G-1	RB-1	T-4, T-5, G-1	T-4, T-7, G-1	T-3, T-4, T-5, T-6, G-1	T-3, T-4, T-5, T-6, G-1	PT-2
202	Bedroom	CPT-1	RB-1	PT-8	PT-8	PT-8	PT-8	PT-2
203	Office	CPT-1	RB-1	PT-3	PT-3	PT-3	PT-3	PT-2
204	Laundry	T-1, G-1	RB-1	PT-9	PT-9	PT-9	PT-9	PT-2
205	Kitchenette	LVT-1	RB-1	PT-10	PT-10	PT-10	PT-10	PT-2
206	Living Room	LVT-1	RB-1	PT-8	PT-8	PT-8	PT-8	PT-2

## NCIDQ PRACTICE DESIGN PROBLEM

# Critique: Windward Island Visitor Center

To benefit most from the practice experience, you should not review the solved sample examination or read the critique before you attempt to solve the blank sample examination.

The solved sample examination shows a number of correct and incorrect responses to the problem statements. Selected errors are bubbled and described in the solved sample examination, and a written critique is provided inside this booklet.

Not all errors in the sample solution have been identified. The sample solution is included to demonstrate one possible solution and is not intended to be representative of a passing or failing solution.

We hope these comments will be useful to you. Keep in mind, however, that the actual scoring criteria for the examination you will take will differ from the criteria used for this sample examination. Actual criteria for each examination are based on the problems presented to candidates and are adjusted to account for difficulty. This variation from one examination to another reflects varying programmatic and design concepts that are tested in each version of the examination.

The *NCIDQ Examination Study Guide* contains additional information on scoring criteria, study tips from successful exam candidates, and the Eastern Academy Practice Design Problem. To order the *Study Guide* and find current exam application and registration information, go to [www.ncidq.org](http://www.ncidq.org).



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# PART 1

## Sheet V-3

The doors at the vestibule are not 3'-0" wide, even though they have been dimensioned as such. The Part One problem booklet, page 4, *Project Code Requirements* #5, states, "ALL door openings shall be a MINIMUM of 3'-0" (914 mm) wide..." Drawings MUST be drawn to scale and accuracy is critical, even when solutions are drawn freehand. When you dimension an item on the exam, you also must ensure that your drawing accurately reflects that dimension.

The door to the residence bathroom is not 3'-0" wide. The Part One problem booklet, page 4, *Project Code Requirements* #5, states, "ALL door openings shall be a MINIMUM of 3'-0" (914 mm) wide..."

The corridor between the stairwell and the kitchen is too narrow. The Part One problem booklet, page 4, *Project Code Requirements* #4, states, "...The MINIMUM interior corridor width MUST be 44" (1,118 mm)."

The washer and dryer in the residential suite's Laundry area is too far from the plumbing line. The Part One problem booklet, page 3, *Project Description* states, "ALL plumbing fixtures, including the fittings and drains of the fixtures, MUST be within 15'-0" (4,572 mm) of the plumbing line."

The wall separating the residence from the retail store does not indicate any acoustic separation either by wall type or notation. The Part One problem booklet, page 3, *Project Description* states, "The suite MUST have a separate entrance from the outside and MUST be acoustically separated from the public functions of the Visitor Center."

The TV in the residential suite living room does not scale to the correct dimension. The Part One problem booklet, page 7, *Project Design Requirements* requires a 24" (610 mm) deep console television.

## Sheet ID-4

C2 is not the most appropriate ceiling for the Food Court. An acoustical tile would provide better sound control in this area.

F5 is not the most appropriate floor finish for the Bathroom. Flooring in this room must be slip resistant. F1, vinyl composition tile, would be a better choice for flooring.

## PART 2

### Sheet V-6

A GFI is not required in the model kitchen for the refrigerator or the dishwasher. The Part Two problem booklet, page 5, *Project Code Requirements* #14 states, "ALL electrical outlets located within 36" (914 mm) of a water source MUST be GFI." The refrigerator outlet is located more than 36" (914 mm) away from the sink. Likewise, the dishwasher outlet, located 18" (457 mm) off the floor, is more than 36" (914 mm) away from the sink.

Neither the Section III, Part Two problem booklet nor the equipment list on sheet ID-6 require a 220V outlet for the microwave.

### Sheet V-7

The section does not indicate the height dimensions for the counter and the shelf above the counter. The height of the duplex outlets is also not dimensioned. The *Instructions to Candidates* on sheet V-7 states, "Indicate dimensions for depth and height."

**NCIDQ PRACTICE DESIGN PROBLEM**

**SECTION III — DESIGN PRACTICUM PART 1**

**Windward Island Visitor Center**

The practicum examination is administered in two parts. The maximum amount of time allowed for the morning portion of the test (called Part 1) is four hours. The maximum amount of time allowed for the afternoon portion of the test (called Part 2) is three hours. You may work at your own pace within the maximum time allowed.

This 7-page problem booklet is to be used for the morning portion of this test (called Part 1). Use this booklet in conjunction with the set of drawings labeled Design Practicum — Part 1. At the end of Part 1 on the day of the actual examination, proctors will collect all Part 1 materials. These materials will not be returned to you during Part 2.

Drawing sheet V-3 will be provided on vellum on the actual examination. You may wish to copy sheet V-3 onto vellum paper before beginning your practice exam. Work must be completed directly on the drawing sheets to be scored. Work done on tracing paper is not scored.

You should use standard drafting equipment to complete this examination. The practicum section is not designed to require the use of a drafting table, but you will be permitted to use a portable drafting board or flat illustration board, within specified size requirements, during the examination. For more information on permitted supplies for the practicum section, see the *NCIDQ Examination Study Guide* or go to [www.ncidq.org](http://www.ncidq.org).



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## **This problem booklet contains:**

Instructions to Candidates .....	2
Project Description.....	3
Project Code Requirements.....	4
General Design Requirements .....	5
Project Design Requirements .....	6-7

## **The set of drawings contains:**

Cover Sheet.....	C-1
Site Plan .....	ID-1
Key Plan .....	ID-1
Exterior Elevation.....	ID-2
Building Section .....	ID-2
Adjacency Matrix .....	ID-2
Floor Plan .....	V-3
Material & Finish Schedule .....	ID-4
Material & Finish Specifications .....	ID-4
Wall Type Details.....	ID-4

# INSTRUCTIONS TO CANDIDATES

To begin work on Part 1 of the *Design Practicum*, please complete the following tasks.

1. Review the *Project Description* and the *Project Code Requirements*.
2. Review the *Site Plan* and the *Key Plan* shown on sheet ID-1 included in the set of drawings.
3. Review the *Exterior Elevation* and *Building Section* shown on sheet ID-2 included in the set of drawings.
4. Using information from the *Project Description*, complete the *Adjacency Matrix* shown on sheet ID-2 included in the set of drawings. Please write directly on sheet ID-2.
5. Review the *General Design Requirements* and the *Project Design Requirements*.
6. Using the information from the *Project Description*, *Project Code Requirements*, *General Design Requirements*, and *Project Design Requirements*, draw your *Floor Plan* directly on sheet V-3 included in the set of drawings.
7. Review the *Material & Finish Specifications* contained on sheet ID-4 included in the set of drawings.
8. Using the information from the *Material & Finish Specifications*, complete the *Material & Finish Schedule* shown on sheet ID-4 included in the set of drawings. Please write directly on sheet ID-4.
9. Review the *Wall Type Details* contained on sheet ID-4 included in the set of drawings.  
*NOTE: Existing demising walls do not have to be labeled.*
10. For the two rooms specified in the *Instructions to Candidates* on sheet ID-4 included in the set of drawings, indicate the appropriate wall types. Please write your indications directly on your *Floor Plan* on sheet V-3.
11. All required elements must be completed on the sheets included in the set of drawings. Only solutions drawn on the sheets provided will be scored.



# PROJECT DESCRIPTION

You have been hired by the local government to design the interior of the 3,800-square-foot (353-square-meter) Windward Island Visitor Center, located adjacent to the parking lot for a passenger ferry. The ferry serves Windward Island, which is inhabited mainly by year-round cottage owners. The Cape Cod-style structure of the Visitor Center is topped with a cupola that has clerestory windows, which provide natural light to the interior space.

The central court includes:

- Vestibule
- Food Court

The coffee shop includes:

- Drive-through Window Area
- Food Preparation Area
- Checkout and Pick-up Counter
- Customer Seating Area

The convenience store includes:

- Retail Area

The tourist information center includes:

- Information Area

The Residential Suite includes:

- Living Room
- Kitchenette
- Bathroom
- Bedroom
- Office
- Laundry

The Public Bathrooms are located in an adjacent part of the building and are not in your scope of work.

The central court must have an accessible (barrier-free) Vestibule at the main entrance. The Food Court must have fixed seating/tables and accessible seating spaces.

The coffee shop must have a Drive-through Window located on the west side of the building, counter service for coffee and fast food pick-up, and customer seating. The coffee shop must be enclosed with a fire-rated wall and must be directly adjacent to the Food Court. The seating cannot impede the flow of traffic to the Food Court. The Food Preparation Area must have a separate exit convenient to the Trash Disposal Area, located across the service road to the south of the Visitor Center.

The convenience store sells reading materials, toiletries, and snack foods, and requires an entrance from the central court that can be secured at night.

The tourist information center provides pamphlets and maps, serves as an online reservation center for local attractions, and is staffed by a local volunteer.

The ferryboat captain uses the residential suite for lodging between shifts and during layovers. The suite must have a separate entrance from the outside and must be acoustically separated from the public functions of the Visitor Center. The demising wall between the residential suite and the rest of the Visitor Center must be fire-rated. The Living Room must be directly adjacent to the Kitchenette and the Office. The Office must be conveniently located to the Bedroom. The Kitchenette must share a plumbing wall and be directly adjacent to either the Bathroom or Laundry. The Bathroom must be acoustically separated from the rest of the suite.

Additional exterior building penetrations are permitted through existing window openings only.

The building is a freestanding, steel truss structure with cedar siding that is classified as mixed use, Group R (residential) [Canadian Group C], Group A (assembly) [Canadian Group A-Division 2], Group M (mercantile) [Canadian Group E], and Group B (business) [Canadian Group D]. There is a partial plenum space of variable height as shown on the *Building Section* contained on sheet ID-2. The windowsill height is 24" (610 mm) AFF, except the two turrets where the windowsill height is 36" (914 mm) AFF. The building has a sprinkler system, and the HVAC is provided by a heat pump system. All plumbing fixtures, including the fittings and drains of the fixtures, must be within 15'-0" (4,572 mm) of the plumbing line.

# PROJECT CODE REQUIREMENTS

Code requirements listed below are for the purpose of this examination only. Your floor plan will be scored for compliance with these code requirements. Using the following codes, develop your design solution for the **TOTAL** space as necessary to protect the health, safety, and welfare of the public.

1. Two primary exits/means of egress **MUST** be provided, and **MUST** be a **MINIMUM** of 25'-0" (7,620 mm) apart, measured along the interior path of travel.
2. Exit doors **MUST** open in the direction of exit travel, and when open in any position, shall **NOT** project more than 7" (178 mm) into any corridor.
3. Paths of travel leading to an exit must **NOT** pass through a secondary space that is subject to closure by doors or that contains storage materials or has items that project into the path of travel.
4. **ALL** paths of travel **MUST** be accessible (barrier-free) and provide a 5'-0" (1,524 mm) turning circle (shown as a dotted line) at changes of travel direction. [Turning into a room does **NOT** require a 5'-0" (1,524 mm) turning circle.] The **MINIMUM** interior corridor width **MUST** be 44" (1,118 mm). You **MUST** consider the open dimension of storage elements such as closet doors and file drawers if you choose to locate them along the interior path of travel. This open dimension may **NOT** restrict the **MINIMUM** required clear width of the path of travel.
5. **ALL** door openings shall be a **MINIMUM** of 3'-0" (914 mm) wide with an 18" (457 mm) clear space on the pull side of the door and a 12" (305 mm) clear space on the push side of the door.
6. **ALL** accessible (barrier-free) counters (sinks, reception, etc.) must be 34" (864 mm) AFF.
7. **ALL** bathrooms **MUST** be accessible (barrier-free) with a 5'-0" (1,524 mm) turning circle (shown as a dotted line). Any door swing may encroach into a turning circle a **MAXIMUM** of 12" (305 mm).
8. Bathroom grab bars **MUST** be indicated in appropriate locations on the plan. This includes two (2) grab bars for a toilet and three (3) grab bars for an accessible (barrier-free) shower.
9. Sinks in **ALL** public bathrooms **MUST** have clear knee access.
10. Flooring in **ALL** public bathrooms **MUST** be slip-resistant.
11. Walls in **ALL** bathrooms **MUST** be impervious to moisture.
12. **ALL** sleeping rooms **MUST** have an operable window.
13. There **MUST** be a **MINIMUM** of 44" (1,118 mm) between parallel work surfaces in the kitchen.
14. Walls **MUST NOT** terminate into glazing.

## GENERAL DESIGN REQUIREMENTS

1. **ALL** furniture, fixtures, and equipment (FF&E) listed in the project design requirements **MUST** be incorporated into your *Floor Plan* drawn on sheet V-3.
2. Where furnishings are **NOT** specified, you are **NOT** required to include FF&E.
3. Your *Floor Plan* may be freehand sketch technique (to scale) or in drafted format. Your *Floor Plan* **MUST** be drawn directly on sheet V-3. **No tracing paper will be scored.**
4. **ALL** rooms **MUST** meet the minimum square footage (square meters) indicated in the project design requirements.
5. Draw and label **ALL** rooms with room name and minimum area, adhering to **ALL** adjacencies as described in the *Project Description*.
6. Label **ALL** required operable windows.
7. Draw **ALL** walls, doors, door swings, and other components that are part of your *Floor Plan*, and include **ALL** the *Project Code Requirements*.
8. Draw and label **ALL** exits/egress doors.
9. Label **ALL** square footage (square meters) and **ALL** lineal footage (lineal meters) as noted in the *Project Design Requirements*.
10. Label **ALL** FF&E.
11. Coat closets **MUST** have a minimum interior depth of 2'-0" (610 mm).
12. All wall thicknesses **MUST** be graphically indicated.
13. Plumbing walls **MUST** be indicated in all spaces that have plumbing fixtures.

# PROJECT DESIGN REQUIREMENTS

## CENTRAL COURT

Room Name	Minimum Area	Furnishings	Dimensions (W x D x H)	Notes
Vestibule	60 s.f. (5.6 s.m.)			
Food Court	300 s.f. (28 s.m.)	Fixed tables/seating for 14		Includes two accessible (barrier-free) seating spaces

## COFFEE SHOP

Room Name	Minimum Area BLANK INDICATES NO GIVEN SIZE	Furnishings	Dimensions (W x D x H) (minimum)	Notes
Drive-Through Window Area		Transaction counter	36" x 24" x 36" (914 mm x 610 mm x 914 mm)	
Food Preparation Area	300 s.f. (28 s.m.)	Refrigerator	48" x 30" x 84" (1,219 mm x 762 mm x 2,134 mm)	
		Sink	60" x 21" (1,524 mm x 533 mm)	Two bowls and drain board
		Microwave	24" x 15" x 15" (610 mm x 381 mm x 381 mm)	
		Food preparation counter	15 lineal feet x 24" deep (4,572 mm x 610 mm)	
		Countertop food display case	14 lineal feet x 24" deep (4,267 mm x 610 mm)	
Checkout and Pick-up Counter		Cash register		Allow minimum of 8 lineal feet (2,437 mm) work counter
Customer Seating Area	700 s.f. (65 s.m.)	Seating for 30		Includes tables, chairs, and banquettes

## CONVENIENCE STORE

Room Name	Minimum Area	Furnishings	Dimensions (W x D x H) (minimum)	Notes
Retail Area	250 s.f. (23 s.m.)	Transaction counter	5 lineal feet x 24" deep (1,524 mm x 610 mm)	Includes cash register
		Display shelving	10 lineal feet x 12" (3,048 mm x 305 mm)	
		Magazine racks	10 lineal feet x 12" (3,048 mm x 305 mm)	
		Freestanding circular rack for t-shirt display	48" (1,219 mm) diameter	

# PROJECT DESIGN REQUIREMENTS (continued)

## TOURIST INFORMATION CENTER

Room Name	Minimum Area	Furnishings	Dimensions (W x D x H) (minimum)	Notes
Information Area	200 s.f. (19 s.m.)			

## RESIDENTIAL SUITE

Room Name	Minimum Area	Furnishings	Dimensions (W x D x H) (minimum)	Notes
Living Room	225 s.f. (21 s.m.)	Console television	36" x 24" x 36" (914 mm x 610 mm x 914 mm)	
		Coffee table	48" x 18" x 20" (1,219 mm x 457 mm x 508 mm)	
		Love seat	60" x 30" x 36" (1,524 mm x 762 mm x 914 mm)	
		Lounge chair	36" x 36" x 34" (914 mm x 914 mm x 864 mm)	
Kitchenette	175 s.f. (16 s.m.)	Sink	30" x 22" x 14" (762 mm x 559 mm x 356 mm)	
		Refrigerator	36" x 27" x 68" (914 mm x 686 mm x 1,727 mm)	
		Cook top	30" x 27" (762 mm x 686 mm)	Located in island
		Base and wall cabinets	12 lineal feet (3,658 mm)	
		Island	8 lineal feet x 30" deep (2,438 mm x 762 mm)	
		Dishwasher	24" x 24" x 34" (610 mm x 610 mm x 864 mm)	
		Stools for two	18" (457 mm) diameter	Located at island
Bathroom	100 s.f. (9 s.m.)	Accessible (barrier-free) shower	36" x 36" (914 mm x 914 mm)	
		Accessible (barrier-free) toilet		
		Accessible (barrier-free) vanity	60" x 22" x 34" (1,524 mm x 559 mm x 864 mm)	Recessed sink
Bedroom	150 s.f. (14 s.m.)	Queen bed	60" x 80" (1,524 mm x 2,032 mm)	
		Closet	5 lineal feet (1,524 mm) of hanging space	
		Two nightstands	20" x 20" x 27" (508 mm x 508 mm x 686 mm)	
		Dresser	48" x 18" x 30" (1,219 mm x 457 mm x 762 mm)	Hanging mirror above
Office	120 s.f. (11 s.m.)			
Laundry	36 s.f. (3 s.m.)	Stacked washer and dryer	24" x 24" x 65" (610 mm x 610 mm x 1,651 mm)	

NCIDQ PRACTICE DESIGN PROBLEM

**SECTION III — DESIGN PRACTICUM PART 2**

**Windward Island Visitor Center**

The practicum examination is administered in two parts. The maximum amount of time allowed for the morning portion of the test (called Part 1) was four hours. **The maximum amount of time allowed for the afternoon portion of the test (called Part 2) is three hours.** You may work at your own pace within the maximum time allowed.

This 5-page problem booklet is to be used for the afternoon portion of this test (called Part 2). Use this booklet in conjunction with the set of drawings labeled Design Practicum — Part 2. You will not have access to any Part 1 materials during Part 2.

Drawing sheets V-6, V-7, and V-8 will be provided on vellum on the actual examination. You may wish to copy sheets V-6, V-7 and V-8 onto vellum paper before beginning your practice exam. Work must be completed directly on the drawing sheets to be scored. Work done on tracing paper is not scored.

You should use standard drafting equipment to complete this examination. The practicum section is not designed to require the use of a drafting table, but you will be permitted to use a portable drafting board or flat illustration board, within specified size requirements, during the examination. For more information on permitted supplies for the practicum section, see the *NCIDQ Examination Study Guide* or go to [www.ncidq.org](http://www.ncidq.org).



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Interior Design Qualification

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## **This problem booklet contains:**

Instructions to Candidates .....	2
Additional Scope of Services .....	3-4
Project Code Requirements.....	5

## **The set of drawings contains:**

Cover Sheet.....	C-2
Site Plan .....	ID-5
Key Plan .....	ID-5
Building Section.....	ID-5
Equipment List.....	ID-6
Floor Plan .....	ID-6
Electrical Plan .....	V-6
Elevation .....	V-7
Section.....	V-7
Reflected Ceiling Plan .....	ID-8
Concept Statement.....	V-8
Lighting Plan .....	V-8
Lighting and Switching Legend.....	ID-9
Electrical Legend .....	ID-9

# INSTRUCTIONS TO CANDIDATES

To begin work on Part 2 of the *Design Practicum*, please complete the following tasks.

1. Review the *Additional Scope of Services* and the *Project Code Requirements*.
2. Review the *Site Plan*, *Key Plan*, and *Building Section* shown on sheet ID-5 included in the set of drawings.
3. Review the *Floor Plan* and *Equipment List* shown on sheet ID-6 and the *Electrical Legend* shown on sheet ID-9 included in the set of drawings.
4. Using the information from the *Equipment List* on sheet ID-6 included in the set of drawings, create your *Electrical Plan* directly on sheet V-6 included in the set of drawings.
5. Following the instructions included on sheet V-7 included in the set of drawings, create your *Elevation* and *Section* directly on sheet V-7 included in the set of drawings.
6. Review the *Reflected Ceiling Plan* shown on sheet ID-8 and the *Lighting and Switching Legend* shown on sheet ID-9 included in the set of drawings.
7. Using the information from the *Lighting Design Requirements* and the *Lighting and Switching Legend*, create your *Lighting Plan* directly on sheet V-8 included in the set of drawings.
8. Complete the *Concept Statement* for the fixtures selected on sheet V-8 included in the set of drawings. Please execute your work directly on sheet V-8.
9. All required elements must be completed on the vellum sheets included in the set of drawings. Only solutions drawn on the sheets provided will be scored.



## ADDITIONAL SCOPE OF SERVICES

In order to market to Windward Island's many visitors, other businesses are developing near the visitor's center. Seaside Holiday Homes has opened a showroom to market cottage designs to a retirement-age clientele. The millwork and finishes must reflect a seaside cottage atmosphere. The showroom displays floor plans, renderings, and material and finish options. The Model Kitchen and Bathroom have been adapted for universal use. A site model is located directly under the cupola. Potential clients will be able to sit and meet with sales staff to answer questions and discuss financial details privately in the Closing Room.

The showroom includes (see the *Floor Plan* shown on sheet ID-6 of the set of drawings):

- Sales Area
- Materials and Finishes Display
- Model Bathroom
- Presentation Tables
- Interactive Video Wall
- Brochure Display
- Closing Room
- Model Kitchen
- Site Model Display Table

You must complete an electrical plan, millwork drawings, and a lighting plan.

### Electrical Requirements

Complete an electrical plan for the entire space. Pay specific attention to items noted on the *Equipment List* shown on sheet ID-6 of the set of drawings. Following is additional information to assist in the selection and placement of outlets:

- All windowsills are 24" (610 mm) AFF.
- The base cabinet at the Interactive Video Wall is 30"h (762 mm).
- The bottom of the network-accessible LED projection screen at the Interactive Video Wall [72"w x 48"h (1,829 mm x 1,219 mm)] is 36" (914 mm) AFF.
- The bottom of the networked ceiling mounted LED projector is 96" (2,438 mm) AFF. The projector is suspended from the ceiling on a steel rod. Power and communication cabling passes through the rod to the ceiling.
- All base cabinets in the Model Kitchen are 36"h (914 mm) AFF.
- The built-in oven [24"w x 22"d x 30"h (610 mm x 559 mm x 762 mm)] is mounted 34" (864 mm) AFF to the bottom of the unit.
- The microwave oven [22"w x 18"d x 16"h (559 mm x 457 mm x 406 mm)] is mounted 34" (864 mm) AFF to the bottom of the unit.
- The range hood [30"w x 13"d x 6"h (762 mm x 330 mm x 152 mm)] is mounted 54" (1,372 mm) AFF to the bottom of the unit.

## Millwork Requirements

The location and footprint of the 60"w (1,524 mm) food preparation area in the Model Kitchen has been indicated on sheet ID-6. You must develop one elevation and one section of the area to include:

- An accessible work surface with 4"h (102 mm) backsplash.
- A base cabinet 36"h (914 mm) with the following:
  - Two duplex outlets flush-mounted horizontally in the face of the base cabinet.
  - One 22"d (559 mm) pullout surface with a 2"h (51 mm) drawer front.
  - One 22"d (559 mm) drawer with an 8"h (203 mm) drawer front
  - One 22"d (559 mm) bread drawer with a 12"h (305 mm) drawer front.
  - One 4"h (102 mm) backsplash.
- An upper cabinet 36"h (914 mm) mounted at 48" (1,219 mm) AFF with the following:
  - One 6"h (152 mm) open shelf and 30"h (762 mm) closed cabinet.

Indicate all dimensions and door swings. Indicate a minimum of two finish materials.

## Lighting Design Requirements

You must design a lighting plan using the **MOST APPROPRIATE** fixtures and lamps from the selections provided in the *Lighting and Switching Legend* on sheet ID-9 in the set of drawings. The design concept should take advantage of the natural light from east-facing windows. In the evening, the cupola must be highlighted by means of interior perimeter lighting. The ceiling plenum varies in height as it slopes. No penetrations may be made into the bead-board ceiling. In addition to providing general lighting throughout, you must specify fixtures and lamps to satisfy the following specific requirements:

- Adjustable accent lighting on the Brochure Display and on the Site Model Display Table.
- Task lighting that is flattering to the skin tones at the mirror in the Model Bathroom.
- Task lighting on the work surfaces in the Closing Room, Materials and Finishes Display, Interactive Video Wall, and Model Kitchen.

You must create an appropriate switching diagram for the lighting fixtures shown on the lighting plan, locating and labeling all switches. The switching diagram must enable:

- Multiple illumination levels in the Sales Area, Closing Room, Model Kitchen, and Model Bathroom.
- Activation of the ambient lighting at all exterior doors.
- Activation of the lighting of the cupola and Site Model Display Table at the front entry.

## PROJECT CODE REQUIREMENTS

Code requirements listed below are for the purpose of this examination only. Your work will be scored for compliance with these code requirements. Using the following codes, develop your design solution for the **TOTAL** space as necessary to protect the health, safety, and welfare of the public.

1. **ALL** electrical outlets **MUST** be 18" (457 mm) AFF unless noted otherwise on the *Equipment List* requirements shown on sheet ID-6 included in the set of drawings.
2. **ALL** grab bars at toilets **MUST** be 36" (914 mm) to 42" (1,067 mm) long, mounted at 34" (864 mm) AFF.
3. **ALL** accessible (barrier-free) sinks, counter tops, and other horizontal accessible (barrier-free) surfaces **MUST** not exceed 34" (864 mm) AFF with a 27" (686 mm) high clear knee space below.
4. **ALL** accessible (barrier-free) wall mounted cabinets or shelves located above a work surface **MUST NOT** exceed 46" (1170 mm) AFF.
5. **ALL** accessible (barrier-free) counters require clear knee space of at least 30" W x 19" D (762 mm W x 483 mm D). **ALL** accessible (barrier-free) base cabinets require a 3"d x 8"h (76 mm x 203 mm) toe kick.
6. **ALL** exposed hot water pipes and drains **MUST** be insulated or otherwise protect wheelchair users from burns on the legs.
7. There **MUST** be exit signs in **ALL** occupancies at or exceeding 1,000 square feet (93 square meters) or containing 30 or more occupants.
8. **ALL** occupancies **MUST** have lighting that provides illumination for emergency egress on emergency power.
9. **ALL** shower enclosures require a lighting fixture.
10. **ALL** accessible (barrier-free) wall-mounted controls **MUST** be located between 18" (457 mm) and 54" (1,372 mm) AFF.
11. **ALL** objects located on a wall between 27" (686 mm) and 80" (2,032 mm) AFF **MUST NOT** protrude more than 4" (102 mm) into an egress path of travel.
12. **ALL** freestanding copiers **MUST** have dedicated circuit outlets.
13. **ALL** electrical stoves, ovens, and dryer units **MUST** have a 220-volt, dedicated circuit outlet.
14. **ALL** electrical outlets located within 36" (914 mm) of a water source **MUST** be GFI.
15. There **MUST** be visual fire signal appliances located in each sleeping room, bathroom, hallway, lobby, and general assembly area. A visual fire signal appliance **MUST** be visible from any location in the room or space and **MUST** be mounted 80" to 90" (2,032 mm to 2,286 mm) AFF.
16. There **MUST** be three (3) duplex outlets provided for general use.
17. Where panic buttons are required, the buttons **MUST** be accessible (barrier-free) and hardwired.
18. **ALL** floor outlets **MUST** be a **MINIMUM** of 12" (305 mm) away from any wall.

COVER SHEET - PART 1  
BLANK PRACTICE DESIGN PROBLEM  
WINDWARD ISLAND VISITOR CENTER

WINDWARD  
P008

SHEET:

C-1

SCALE:

CONTROL NUMBER:

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EXAMINATION SECTION III  
DESIGN PRACTICUM - PART 1

LIST OF DRAWINGS

SHEET #

- |   |       |      |
|---|-------|------|
| ◆ COVER SHEET   | ..... | C-1  |
| ◆ SITE PLAN, KEY PLAN   | ..... | ID-1 |
| ◆ EXTERIOR ELEVATION, BUILDING SECTION, ADJACENCY MATRIX                          | ..... | ID-2 |
| ◆ FLOOR PLAN  | ..... | V-3  |
| ◆ MATERIAL & FINISH SCHEDULE, MATERIAL & FINISH SPECIFICATIONS, WALL TYPE DETAILS | ..... | ID-4 |

The site plan shows a proposed new building with several labeled areas:
 

- TRASH DISPOSAL AREA**: Located to the left of the building.
- BUS PARKING**: A hatched area to the left of the building.
- SCOPE OF WORK**: Indicated by an arrow pointing to the main building structure.
- PATIO**: A small rectangular area adjacent to the building.
- N.I.C.**: A small rectangular area adjacent to the building.
- PICNIC AREA**: A large open area to the right of the building.
- AUTO PARKING**: A series of parking spaces located behind the building.
- FERRY TERMINAL PARKING LOT**: Located to the right of the site.
- TO FERRY TERMINAL**: An arrow pointing right towards the ferry terminal.
- NORTH**: A north arrow pointing upwards.

3,800 S.F.  
353 S.M.

UP

PLUMBING LINE

PUBLIC BATHROOM  
N.I.C.

PUBLIC BATHROOM  
N.I.C.

**SITE PLAN**  
**KEY PLAN**

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EXTERIOR ELEVATION  
BUILDING SECTION  
ADJACENCY MATRIX

WINDWARD  
P008

SHEET:

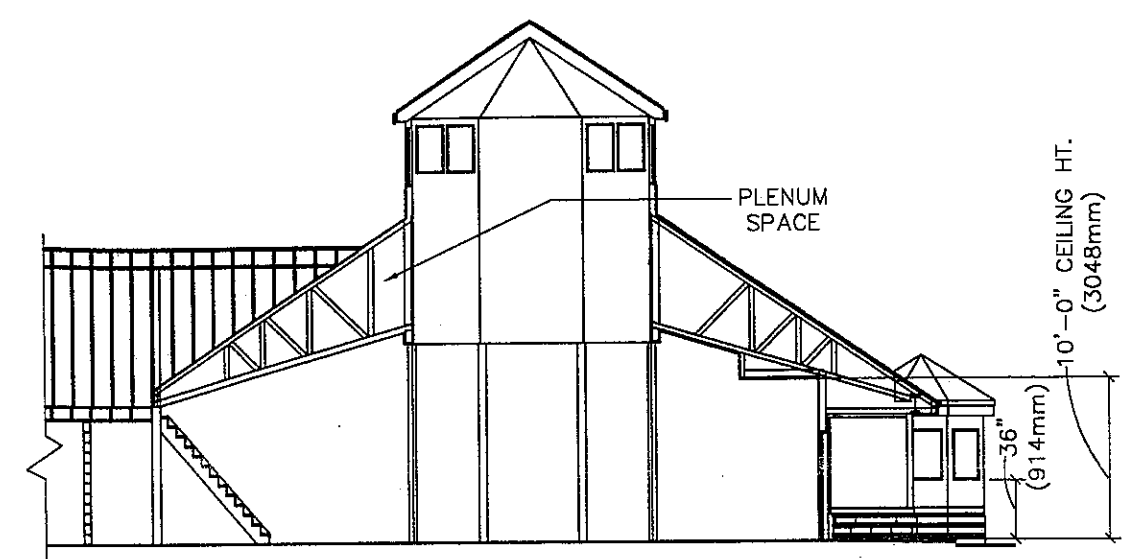
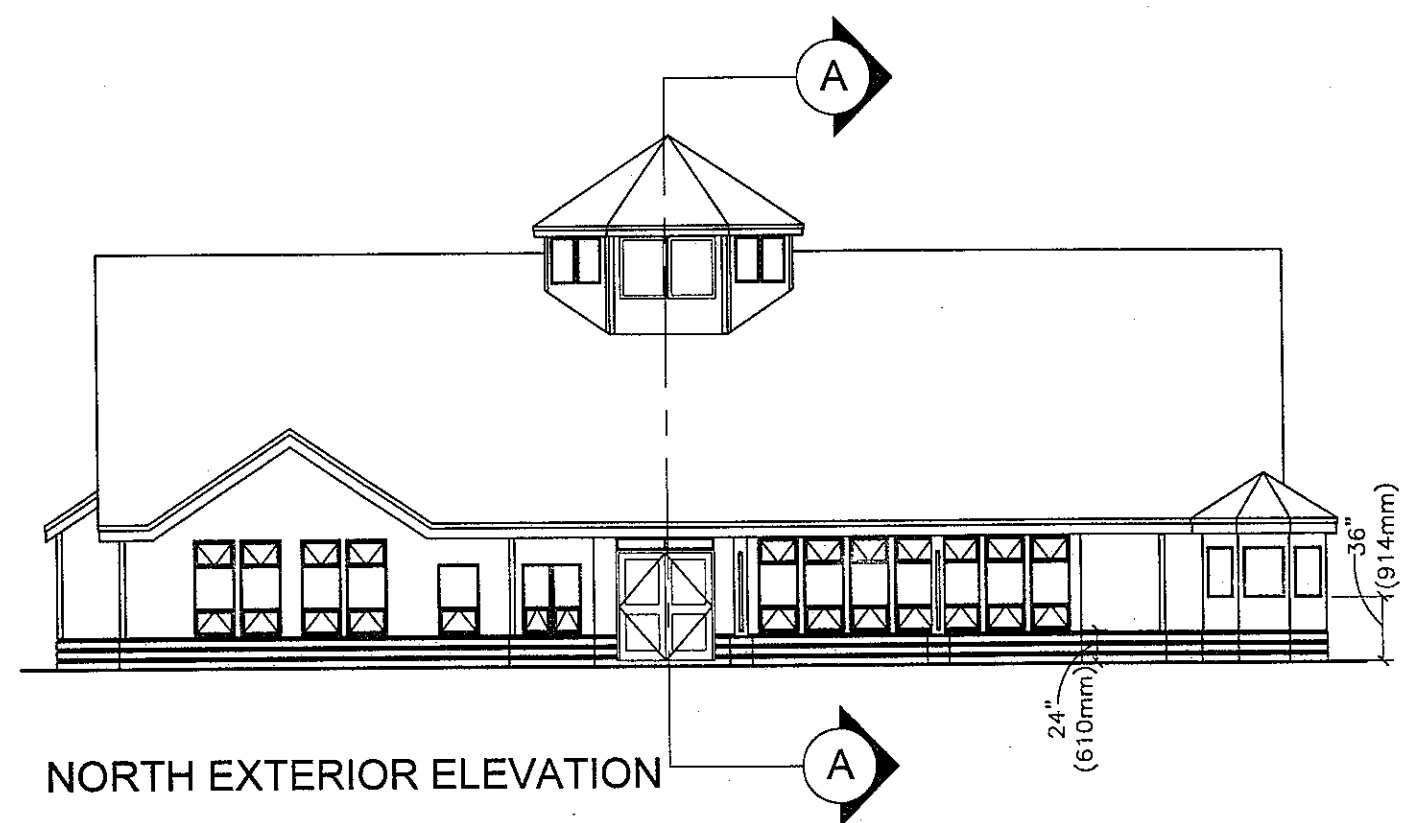
ID-2

SCALE:

NOT TO SCALE

CONTROL NUMBER:

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Instructions To Candidates

- ◆ Using the Project Description in the test booklet, complete the Adjacency Matrix to the right.
- ◆ Place a closed or open circle (as indicated) in the square that represents the intersection of the adjacencies.
- ◆ Not all rooms are included in the adjacency matrix.

ADJACENCY MATRIX

- Direct / Primary Adjacency
- Convenient / Secondary Adjacency

	Office	Bedroom	Kitchenette	Living Room	Tourist Information Center	Trash Disposal Area	Food Preparation Area	Coffee Shop	Food Court
Food Court									
Coffee Shop									
Food Preparation Area									
Trash Disposal Area									
Tourist Information Center									
Living Room									
Kitchenette									
Bedroom									
Office									

SEE TEST BOOKLET FOR INSTRUCTIONS TO CANDIDATES



LEGEND	
---	Plumbing Line
---	Column Line
⊗	Wall Type ( X = wall type designation )
( See ID-4 for wall type details )	

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PART 1 OF 2

FLOOR PLAN

WINDWARD  
P008

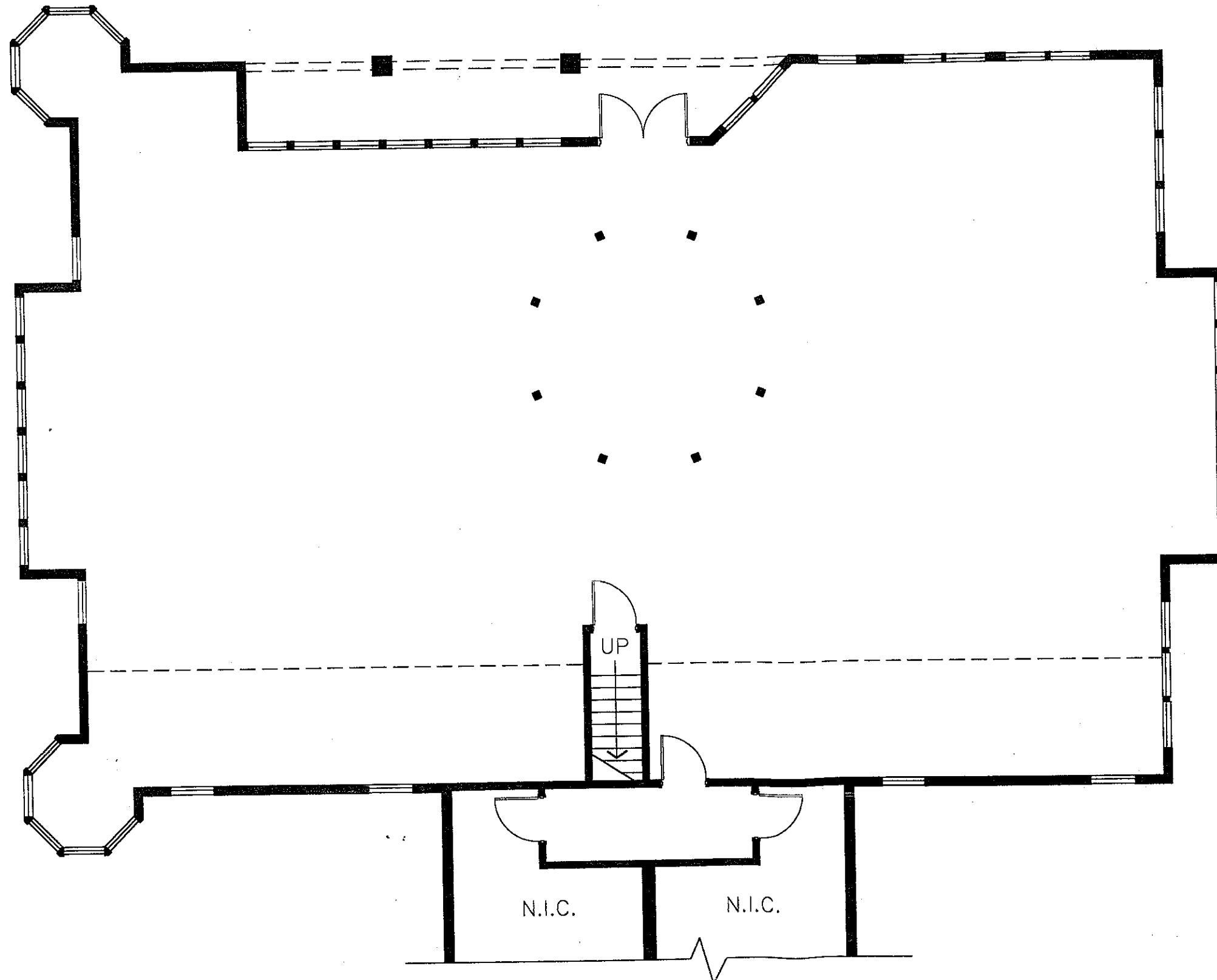
SHEET:

V-3

SCALE:  
1/8"=1'-0" (approx. 1:100)

CONTROL NUMBER:

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COVER SHEET – PART 2  
BLANK PRACTICE DESIGN PROBLEM  
WINDWARD ISLAND VISITOR CENTER

WINDWARD  
P008

SHEET:

C-2

SCALE:

CONTROL NUMBER:

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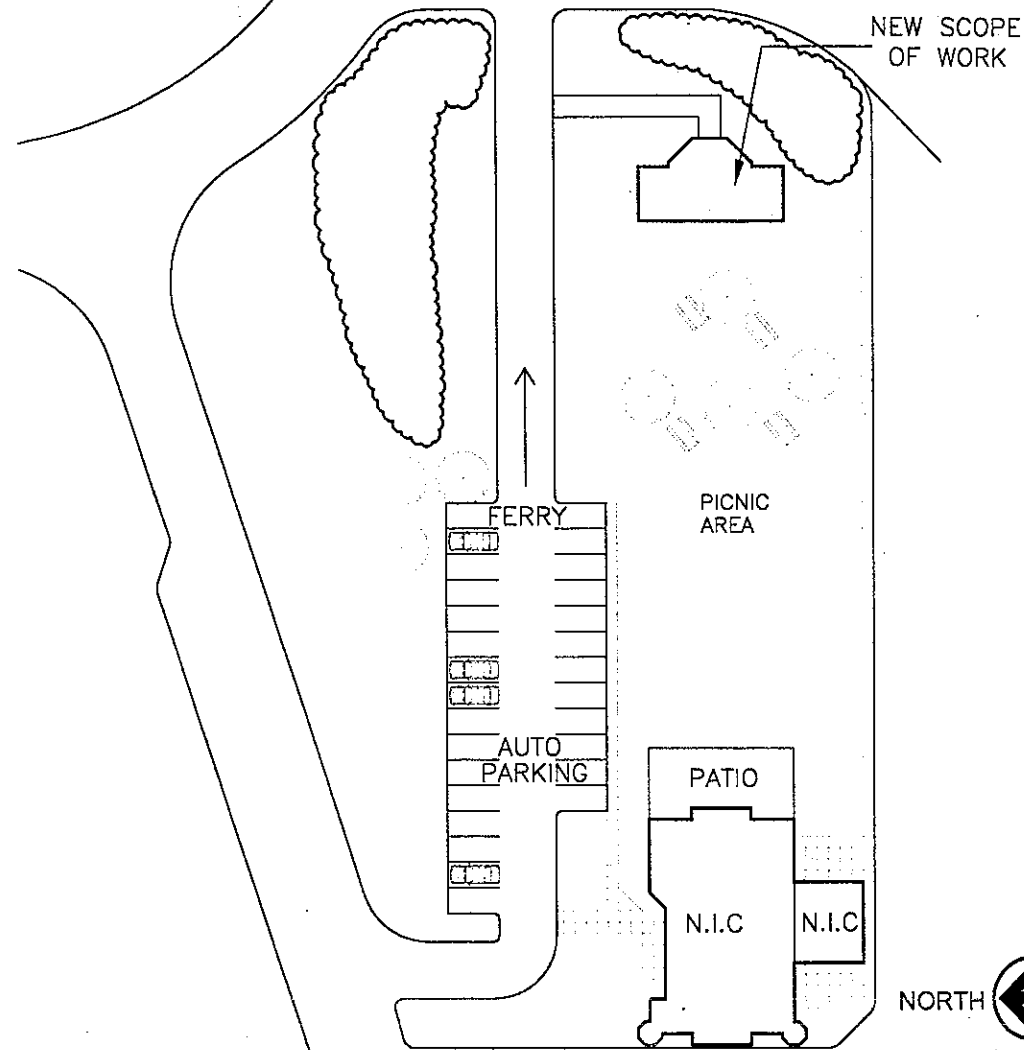
EXAMINATION SECTION III  
DESIGN PRACTICUM - PART 2

LIST OF DRAWINGS

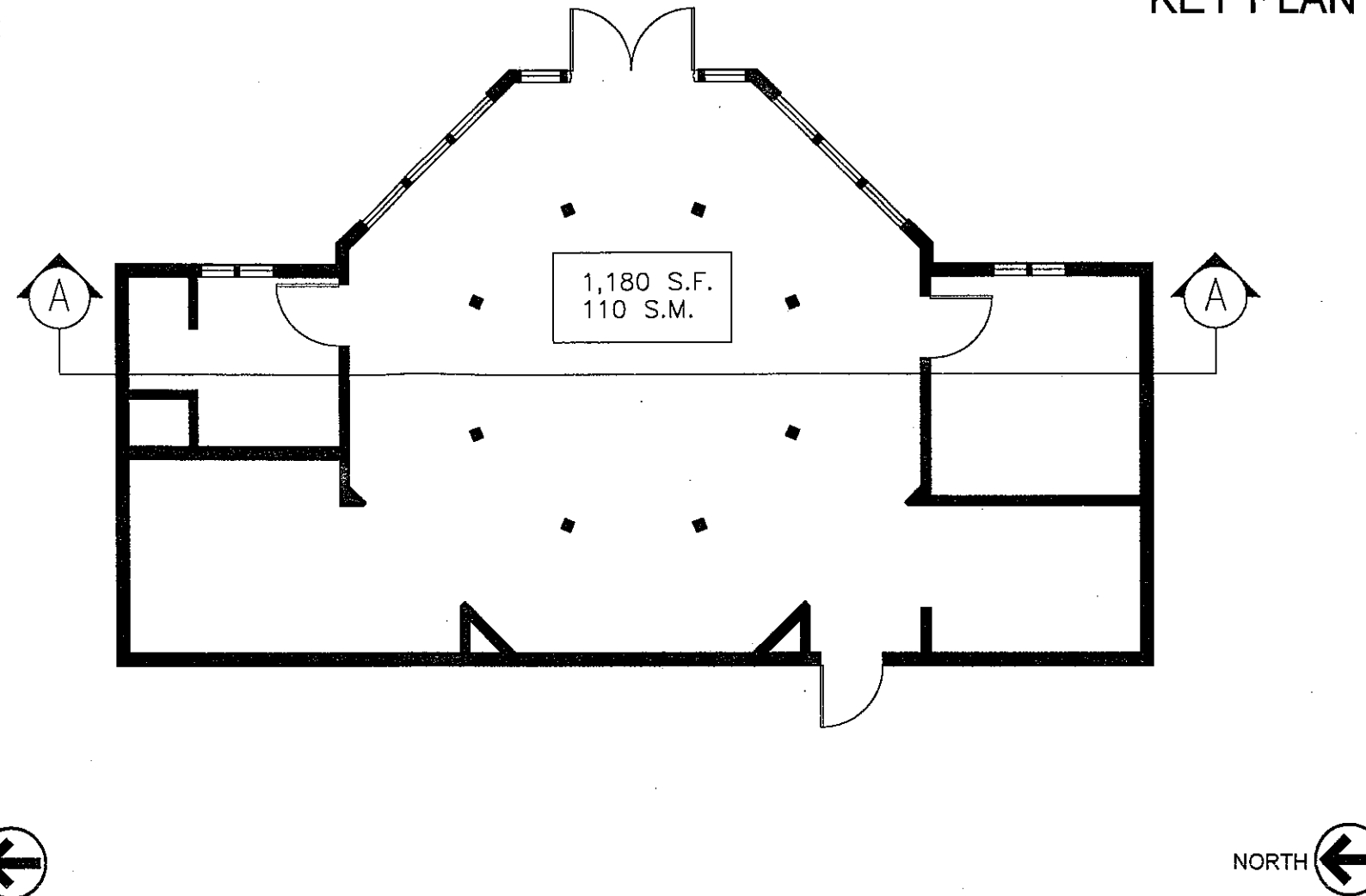
SHEET #

◆ COVER SHEET	C-2
◆ SITE PLAN, KEY PLAN, BUILDING SECTION	ID-5
◆ FLOOR PLAN, EQUIPMENT LIST	ID-6
◆ ELECTRICAL PLAN	V-6
◆ ELEVATION, SECTION	V-7
◆ REFLECTED CEILING PLAN	ID-8
◆ LIGHTING PLAN, CONCEPT STATEMENT	V-8
◆ LIGHTING AND SWITCHING LEGEND, ELECTRICAL LEGEND	ID-9

# SITE PLAN



## KEY PLAN



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DESIGN QUALIFICATION

PART 2 OF 2

# SITE PLAN KEY PLAN BUILDING SECTION

SECTION A-A

WINDWARD  
P008

**SHEET:**

**ID-5**

SCALE:

NOT TO SCALE

CONTROL NUMBER:

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- Complete an Electrical Plan on the vellum sheet V-6 provided.
- Select and place correct telephone, electrical, and data symbols.
- Clearly identify all non standard outlets and indicate required outlet height(s).
- Windowsill height at 2'-0" (610 mm).
- Use symbols from the Electrical Legend on Sheet ID-9.
- Do not create your own symbols.

- E1 Telephone
- E2 Networked Laptop
- E3 Networked Computer
- E4 Networked Printer
- E5 Networked LED Projection Screen  
@ 36" (864mm) AFF
- E6 Built in Oven Mtd. @ 34" (864mm) AFF
- E7 Electric Mixer
- E8 Electric Cook Top
- E9 Range Hood Mtd. @ 54" (1,372mm) AFF
- E10 Built-in Microwave Mtd. @ 34" (864mm) AFF
- E11 Refrigerator
- E12 Dishwasher
- E13 Electric Toothbrush
- E14 Internally illuminated Site Model Display Table
- E15 Networked ceiling mounted LCD Projector  
Mtd @ 96" (4,880mm) AFF

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DESIGN QUALIFICATION

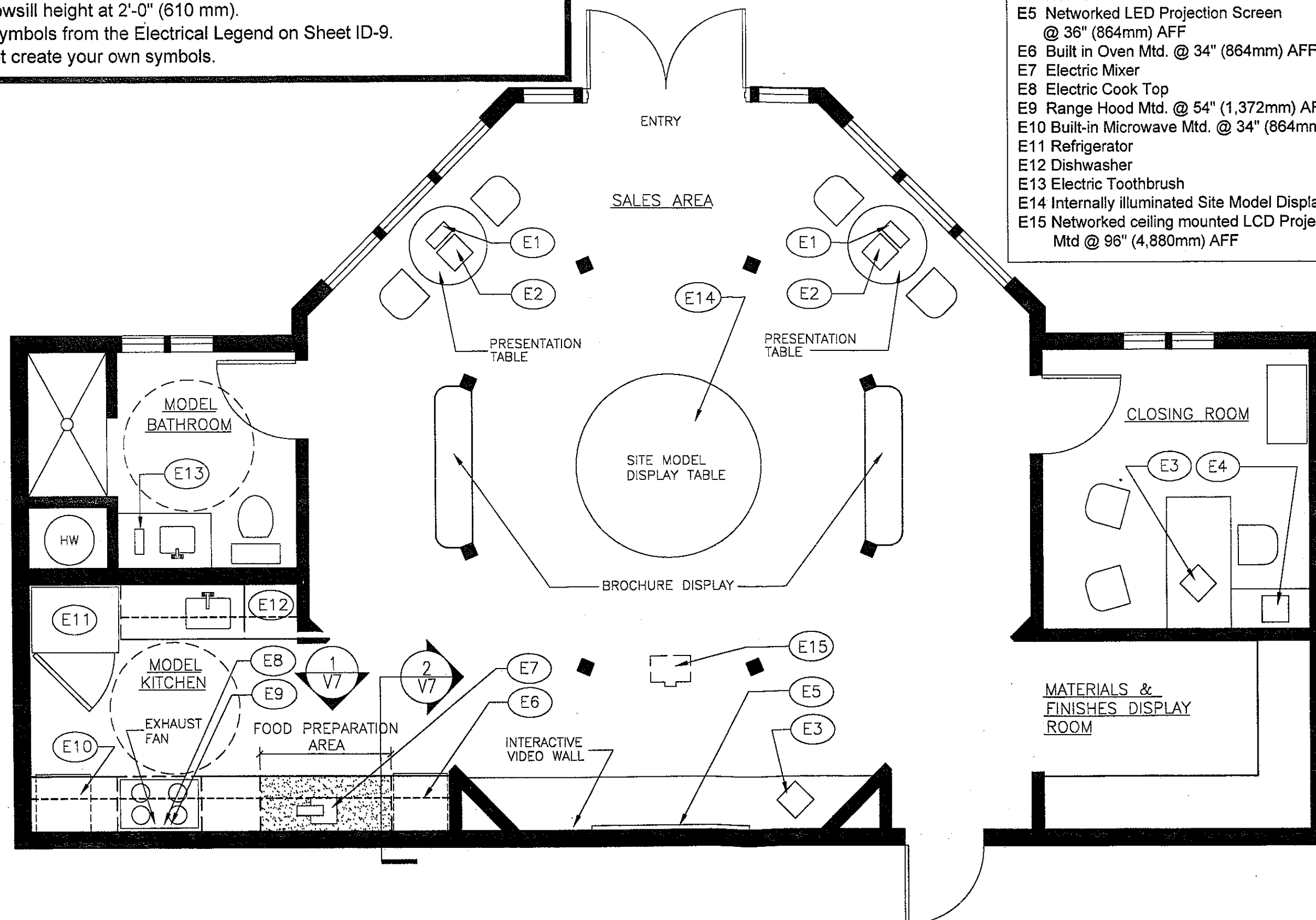
# FLOOR PLAN EQUIPMENT LIST

SHEET:

SCALE:

1/4"=1'-0" (approx. 1:50)

CONTROL NUMBER:



SEE ID-6 FOR INSTRUCTIONS TO CANDIDATES

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DESIGN QUALIFICATION

PART 2 OF 2

ELECTRICAL PLAN

WINDWARD  
P008

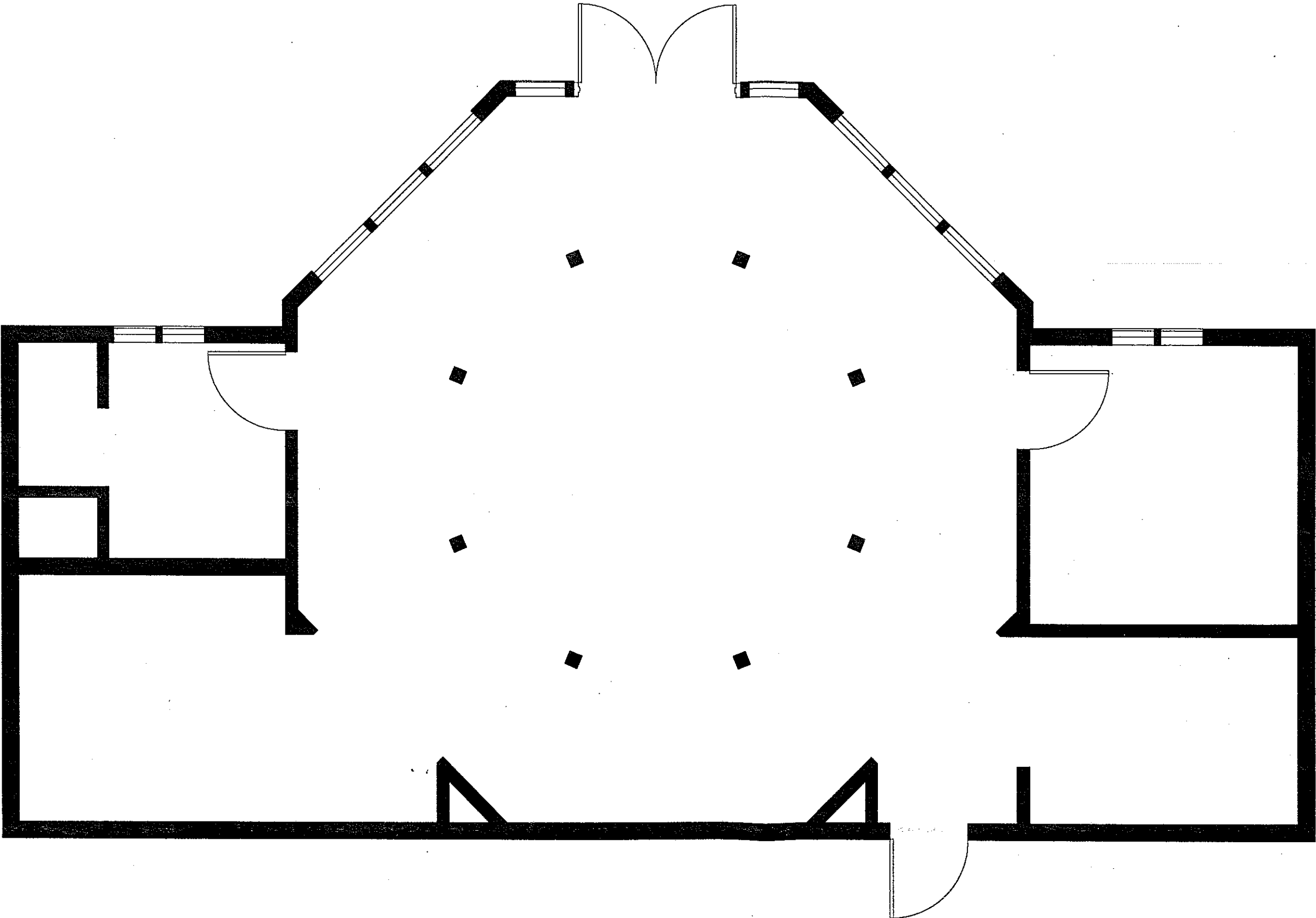
SHEET:

V-6

SCALE:  
1/4"=1'-0" (approximately 1:50)

CONTROL NUMBER:

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NORTH

### Instructions To Candidates

- ◆ Draw the required front elevation of the Food Preparation Area as indicated and shaded on sheet ID-6.
- ◆ Draw elevations at  $\frac{3}{4}" = 1'-0"$  scale. (1:20 scale)
- ◆ Indicate all dimensions.
- ◆ Label all finishes.
- ◆ Indicate floor-line.
- ◆ Indicate Section with appropriate symbol on Elevation

### Instructions To Candidates

- ◆ Draw the required section through the base unit and wall unit of the Food Preparation Area as indicated on sheet ID-6.
- ◆ Draw section at  $\frac{3}{4}" = 1'-0"$  scale. (1:20 scale)
- ◆ Indicate dimensions for depth and height.
- ◆ Indicate and label all materials and construction components to adequately describe design intent to fabricator.
- ◆ Indicate floor-line.

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DESIGN QUALIFICATION

PART 2 OF 2

ELEVATION  
SECTION

WINDWARD  
P008

SHEET:

V-7

SCALE:

$\frac{3}{4}" = 1'-0"$  (approx. 1:20)

CONTROL NUMBER:

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1  
V7

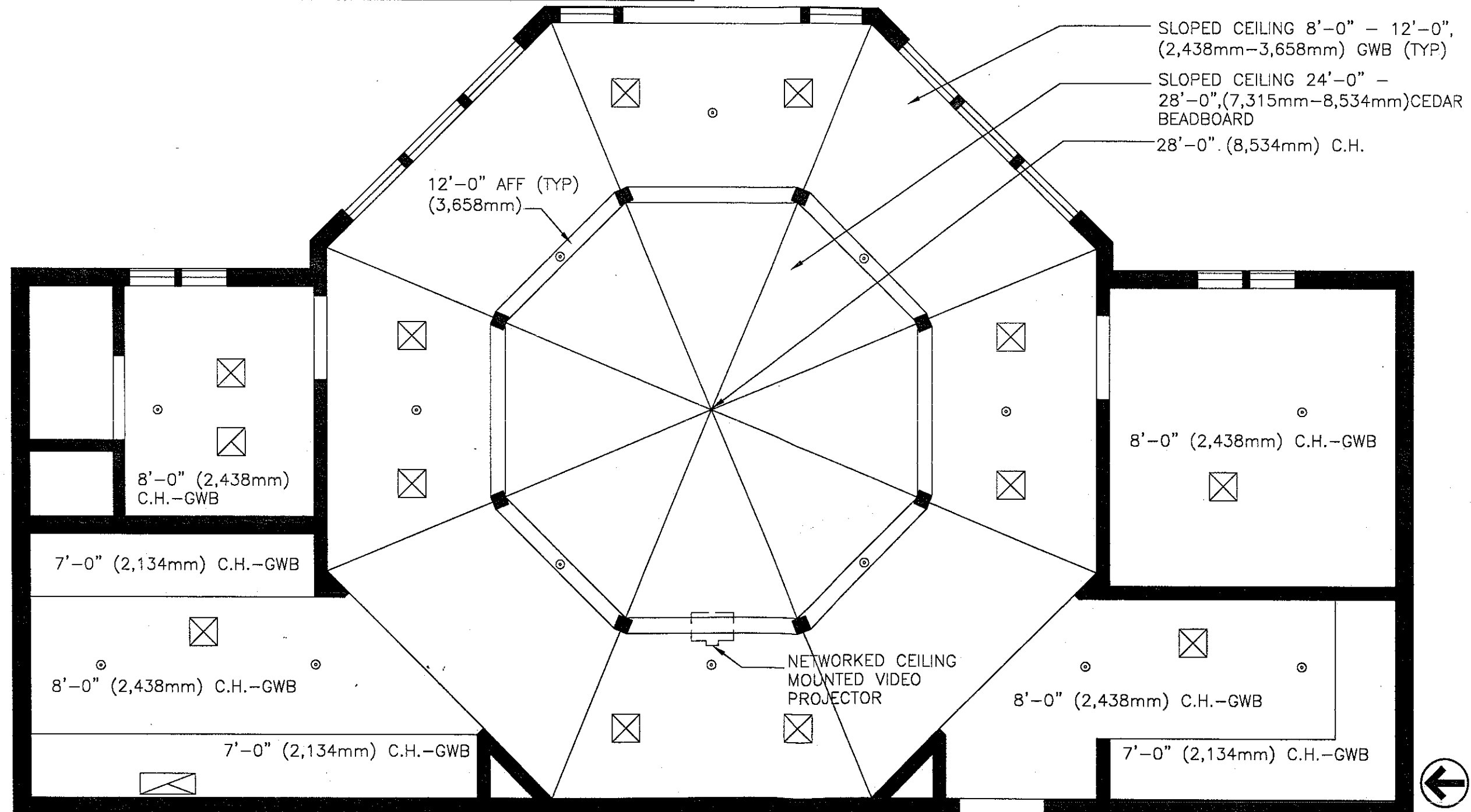
ELEVATION

2  
V7

SECTION

- ◆ Complete the Lighting Plan and Concept Statement on the vellum V-8 provided, using the Lighting and Switching Legend symbols on Sheet ID-9 and Lighting Design Requirements in problem booklet.
- ◆ Draw switching diagram for all light fixtures on vellum V-8.
- ◆ Place emergency and exit light symbols on vellum V-8.
- ◆ Briefly explain your selection of fixtures for the three (3) areas indicated in the Concept Statement on vellum V-8. Indicate symbol for each fixture.
- ◆ Use the symbols from the Lighting and Switching Legend on Sheet ID-9
- ◆ Do not create your own symbols.
- ◆ Do not move existing fire sprinklers and HVAC diffusers.

- ☐ SPRINKLER HEAD
- ☒ HVAC CEILING DIFFUSER
- ☒ EXHAUST FAN



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DESIGN QUALIFICATION

PART 2 OF 2

# REFLECTED CEILING PLAN

WINDWARD  
P008

**SHEET:**

ID-8

SCALE: 1/4"=1'-0" (approx. 1:50)

CONTROL NUMBER:



SEE ID-8 FOR INSTRUCTIONS TO CANDIDATES

## CONCEPT STATEMENT

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DESIGN QUALIFICATION

PART 2 OF 2

# CONCEPT STATEMENT LIGHTING PLAN

WINDWARD  
P008

SHEET:

V-8

SCALE: 1/4"=1'-0" (approx. 1:50)

CONTROL NUMBER:

