



ILG TERMINAL DEPARTURE LOUNGE CONCESSION

DELAWARE RIVER & BAY AUTHORITY

151 N DUPONT HWY, NEW CASTLE, DELAWARE

C&S PROJECT NO. 872.014.008

JUNE 2026

BID DOCUMENTS

PREPARED BY:

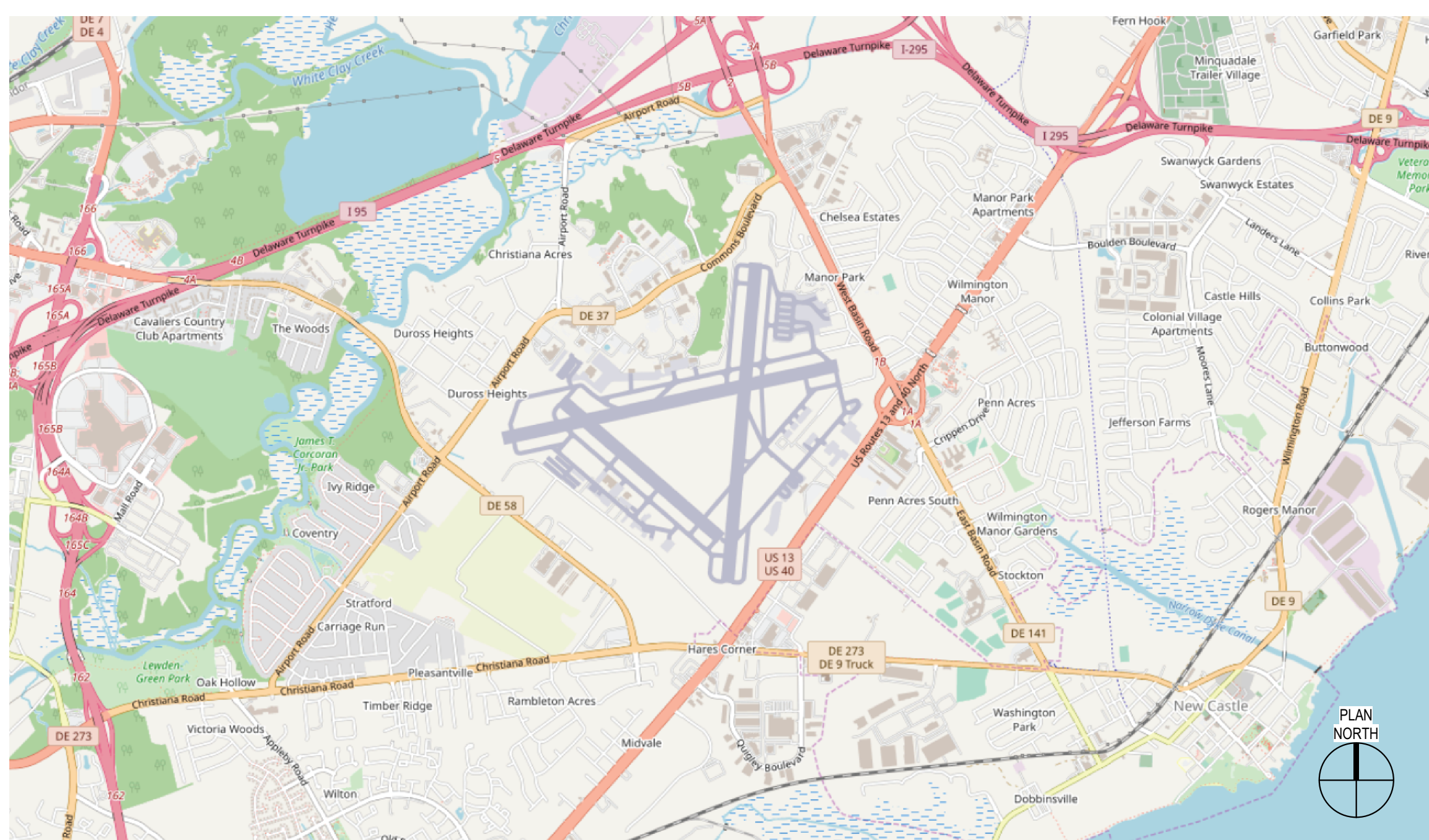
RICHARD N. McLAUGHLIN D.E.P.E. LICENSE NO. 20563 DATE
C&S ENGINEERS, Inc.

RECOMMENDED BY:

DELAWARE RIVER AND BAY AUTHORITY DATE

TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF THE
PLANS AND SPECIFICATIONS FOR THIS PROJECT ARE IN COMPLIANCE
WITH THE DELAWARE STATE ENERGY CONSERVATION
CONSTRUCTION CODE AND THE BUILDING CODE OF DELAWARE STATE

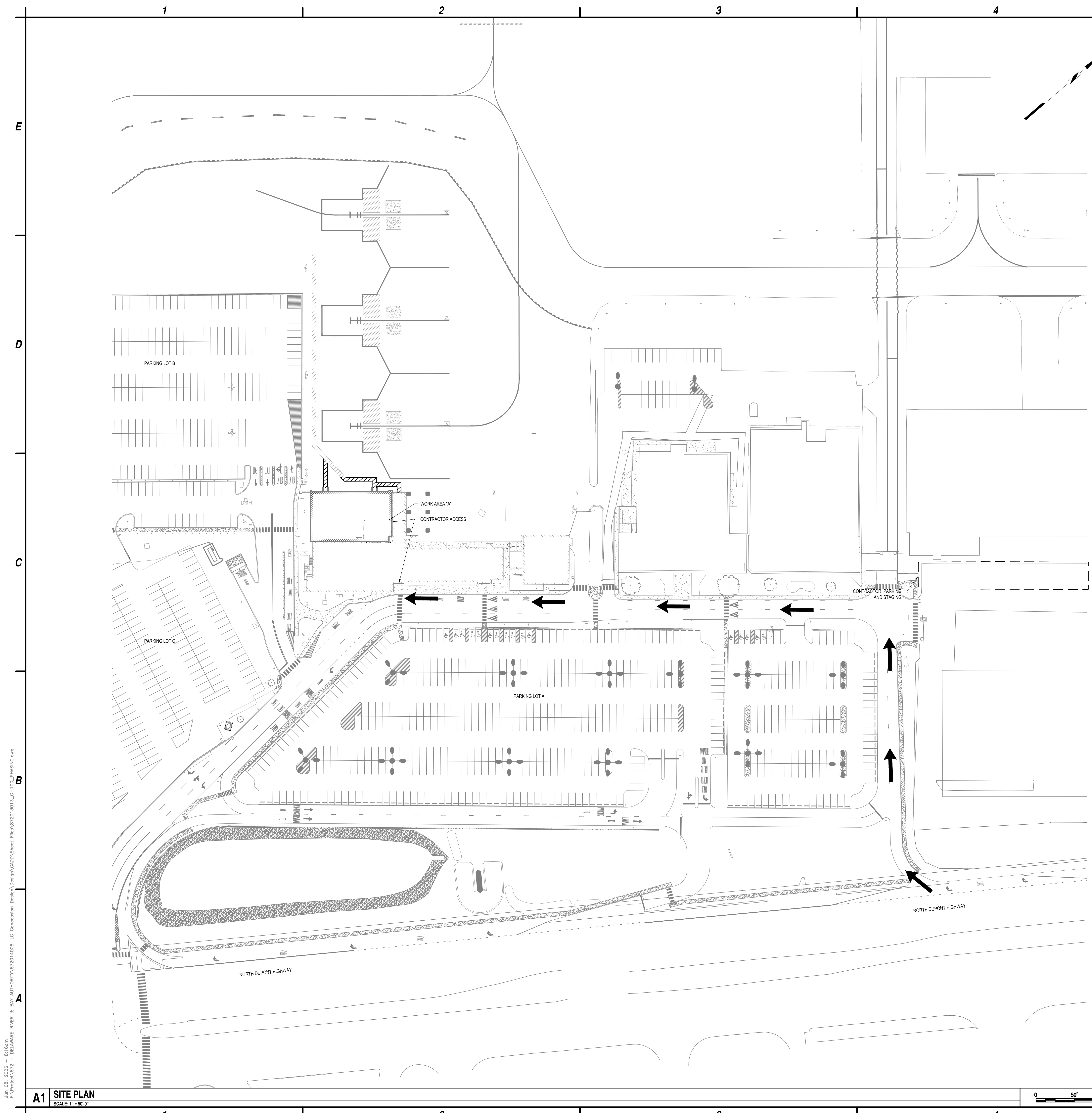
GENERAL INFORMATION:
 • TAX PARCEL: 10-018-00-006
 • TYPE OF CONSTRUCTION: TYPE IIB UNPROTECTED, COMBUSTIBLE/NONCOMBUSTIBLE CONSTRUCTION
 • TOTAL SF OF BUILDING: 30,613 SF
 • SF OF RENOVATION: 400 SF



LOCATION MAP

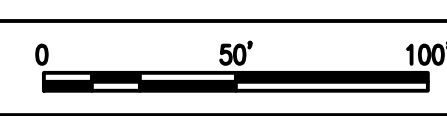
DRAWING LIST

SHEET NUMBER	SHEET NAME
C-G-001	TITLE SHEET
C-G-100	GENERAL AND CONSTRUCTION SAFETY PLAN
C-G-101	CONSTRUCTION PHASING PLAN
LS-101	FIRST FLOOR LIFE SAFETY PLAN
C-AD-101	DEMOLITION PLAN - CONCESSIONS
C-AD-102	DEMOLITION RCP - CONCESSIONS
C-AD-420	DEMOLITION INTERIOR ELEVATIONS - CONCESSIONS
C-A-100	FLOOR PLAN - CONCESSIONS
C-A-120	REFLECTED CEILING PLAN - CONCESSIONS
C-A-420	INTERIOR ELEVATIONS - SHEET 1 CONCESSIONS
C-A-422	INTERIOR ELEVATIONS - SHEET 2 CONCESSIONS
C-A-541	INTERIOR DETAILS - SHEET 1 CONCESSIONS
C-A-571	CASEWORK DETAILS - CONCESSIONS
C-A-542	INTERIOR DETAILS - SHEET 2 CONCESSIONS
C-K-100	BASIS OF DESIGN - CONCESSIONS KITCHEN EQUIPMENT
C-F-001	FIRE PROTECTION NOTES, SYMBOLS AND ABBREVIATIONS AND DETAILS
C-F-101	FIRE PROTECTION PLANS
C-P-001	PLUMBING NOTES, SYMBOLS, LEGENDS, ABBREVIATIONS, AND DETAILS
C-P-101	CONCESSIONS PLUMBING PLANS AND RISER DIAGRAMS
C-M-001	GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS
C-MB-101	CONCESSIONS HVAC DEMOLITION PLAN
C-M-101	CONCESSIONS HVAC PLAN
C-M-501	DETAILS
C-E-001	NOTES, SYMBOLS, ABBREVIATIONS, AND PANEL SCHEDULES
C-ED-101	FIRST FLOOR ELECTRICAL DEMOLITION FLOOR PLAN
C-E-101	ELECTRICAL PLANS
C-T-101	TELECOMMUNICATION PLAN AND DETAILS
C-FA-001	LEGEND, ABBREVIATIONS, GENERAL NOTES, DETAILS, & I/O MATRIX
C-FA-101	FIRE ALARM PLAN AND RISER DIAGRAM



Jun 05, 2026 - 8:16am - B:\160m - B:\160m - BAY AUTHORITY\872014008 - ILO Concession Design\CADD\Sheet Files\872014008_16-100_04\872014008.dwg
 F:\Project\872 - DELAWARE RIVER & BAY AUTHORITY\872014008 - ILO Concession Design\CADD\Sheet Files\872014008_16-100_04\872014008.dwg

A1 SITE PLAN
SCALE: 1" = 50'-0"



C5 CONSTRUCTION GENERAL NOTES
NO SCALE

1. FOR G-100, ALL CONSTRUCTION PHASING WORK AND ASSOCIATED TEMPORARY SIGNAGE ARE PAID FOR UNDER C-106-3.1.
2. CONTRACTOR SHALL COORDINATE ALL DELIVERIES WITH AIRPORT PERSONNEL.
3. COORDINATE STAGING AREA WITH AIRPORT PERSONNEL. PROVIDE BARRIERS TO PREVENT PASSENGERS FROM ENTERING THE STAGING AREA.
4. COORDINATE RTU DELIVERY, STAGING, STORAGE, AND INSTALLATION WITH AIRPORT PERSONNEL.

C&S COMPANIES
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DRBA DELAWARE RIVER & BAY AUTHORITY

**ILG TERMINAL DEPARTURE LOUNGE
 CONCESSION
 DELAWARE RIVER & BAY AUTHORITY
 151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 872.014.008		
DATE: JUNE 2026		
DRAWN BY: M. ZINGARO		
DESIGNED BY: F. NEILEY, P.E.		
CHECKED BY: R. MCCLAUGHLIN, P.E.		

GENERAL AND CONSTRUCTION SAFETY PLAN

G-100

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CONTRACTOR STAGING AND WORK AREA NOTES

1. WORK BEYOND THE STAGING AND WORK AREA SHALL BE COORDINATED WITH AIRPORT PERSONNEL.
2. CONTRACTOR SHALL COORDINATE REMOVAL AND STORAGE OF EXISTING LOUNGE FURNITURE. LOW-TOP TABLES AND CHAIRS SHALL BE REINSTALLED UPON COMPLETION OF CONCESSION AREA.
3. PROTECT-IN-PLACE ALL PERMANENT FURNITURE AND FIXTURES.
4. CONTRACTOR ENTRANCE SHALL BE KEPT CLEAR OF DEBRIS, MATERIAL, AND EQUIPMENT.
5. CONTRACTOR ENTRANCE: PROVIDE 6'X' DOUBLE DOLLOR METAL DOOR AND FRAME IN EXISTING WALL. INFILL, PATCH, AND PAINT TO MATCH AS NECESSARY CONSTRUCTION COMPLETION. NOTE ELEVATION CHANGE BETWEEN HOLD ROOM AND BAGGAGE CLAIM.

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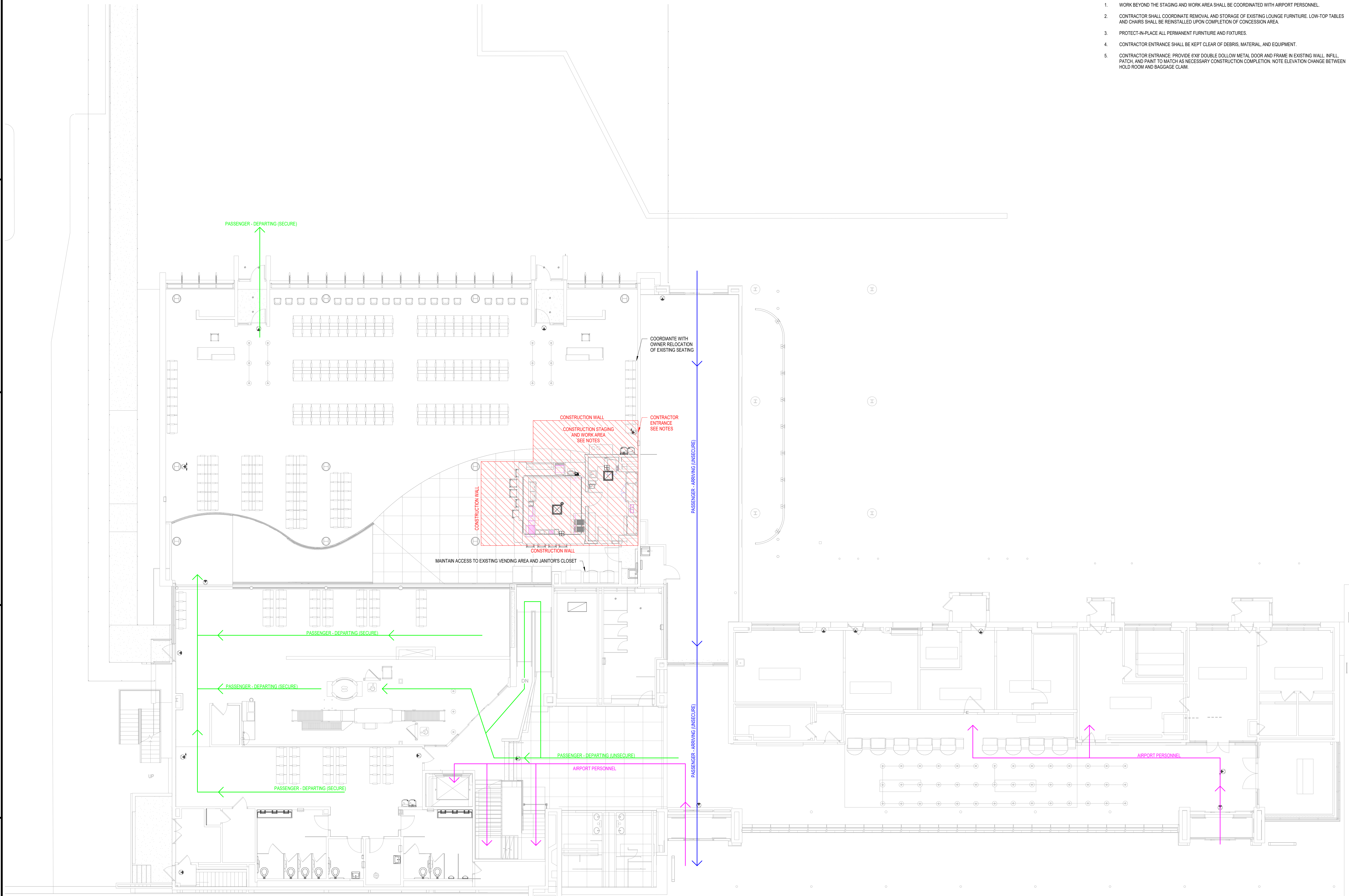
DRBA DELAWARE RIVER & BAY AUTHORITY

**ILG TERMINAL DEPARTURE LOUNGE
 CONCESSION
 DELAWARE RIVER & BAY AUTHORITY
 151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	872.014.008
	DATE:	JUNE 2026
	DRAWN BY:	F. K. NEILEY, P.E.
	DESIGNED BY:	F. K. NEILEY, P.E.
	CHECKED BY:	R. MCLAUGHLIN, P.E.

CONSTRUCTION PHASING PLAN

C-G-101



A1 CONSTRUCTION PHASING PLAN
 SCALE: 1/8" = 1'-0"

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OCCUPANT LOAD SUMMARY TABLE - FIRST FLOOR - SECURE

FUNCTION OF SPACE	AREA (SF)	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
HOLDROOM	4,282 SF	15 SF	287
LOUNGE	225 SF	15 SF	15
CIRCULATION	5,524 SF	100 SF	57
OFFICE	85 SF	100 SF	1
PRIVATE SCREENING	51 SF	100 SF	1
KITCHEN	364 SF	200 SF	2
STORAGE	192 SF	300 SF	2
TOTAL	10,724 SF		365

OCCUPANT LOAD SUMMARY TABLE - FIRST FLOOR - NON-SECURE

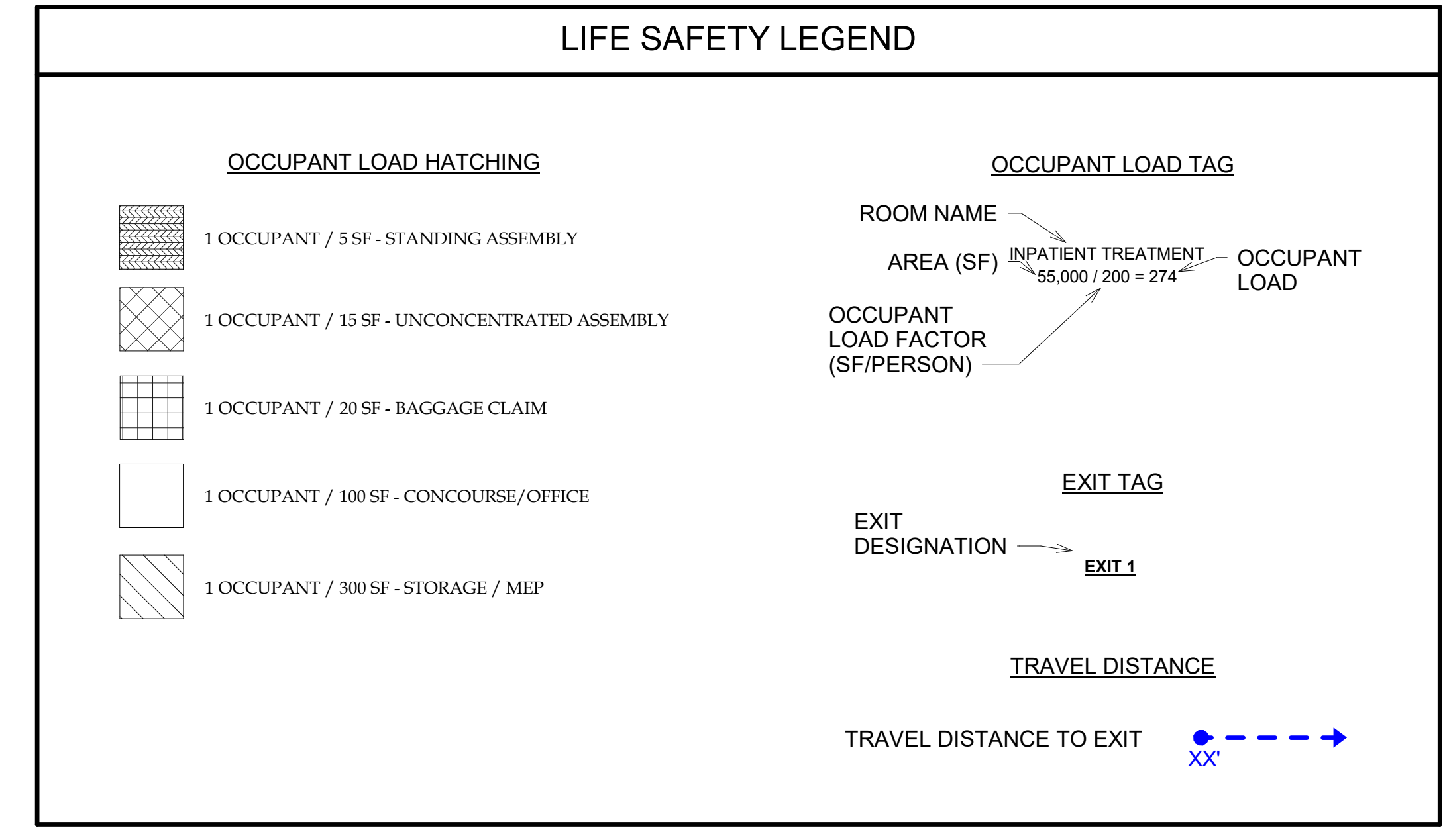
FUNCTION OF SPACE	AREA (SF)	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
QUELUNG	938 SF	5 SF	189
BAGGAGE CLAIM	1,248 SF	20 SF	63
CIRCULATION	4,535 SF	100 SF	46
OFFICE	1,497 SF	100 SF	19
BAGGAGE SCREENING	1,497 SF	300 SF	5
OCCUPANTS FROM SECURE	120 SF	N/A	100
TOTAL	10,011 SF		422

EXIT CAPACITY SUMMARY TABLE - FIRST FLOOR - SECURE

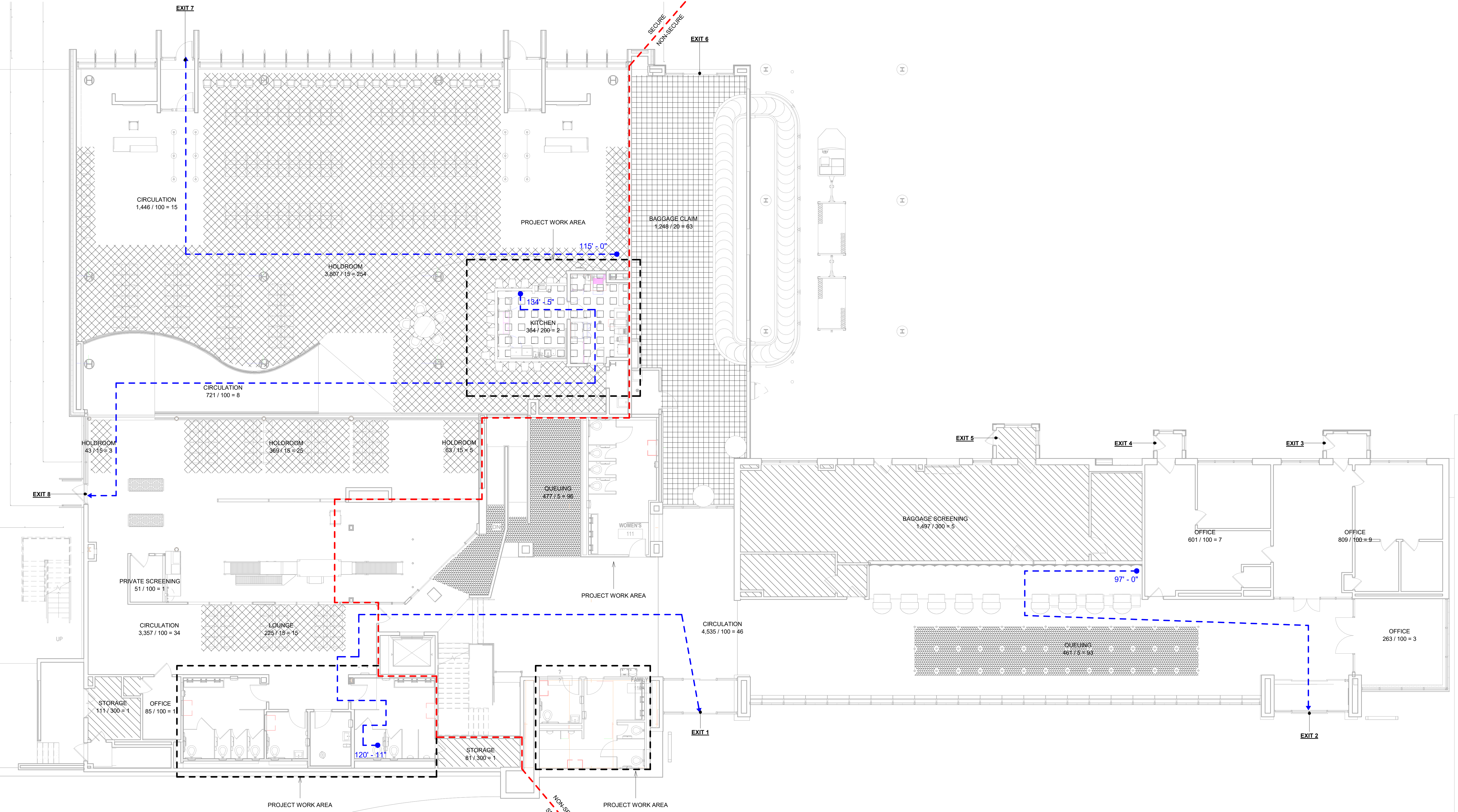
EXIT #	DOOR CLEAR WIDTH (INCHES)	DOOR FACTOR	DOOR CAPACITY (PERSONS)	LIMITING CAPACITY (PERSONS)	ACTUAL USE (PERSONS)
DOOR TO NON-SECURE	33	0.2	165	165	100
EXIT 7	33	0.2	165	165	133
EXIT 8	33	0.2	165	165	131
TOTAL			495		364

EXIT CAPACITY SUMMARY TABLE - FIRST FLOOR - NON-SECURE

EXIT #	DOOR CLEAR WIDTH (INCHES)	DOOR FACTOR	DOOR CAPACITY (PERSONS)	LIMITING CAPACITY (PERSONS)	ACTUAL USE (PERSONS)
EXIT 1	66	0.2	330	330	71
EXIT 2	66	0.2	330	330	71
EXIT 3	33	0.2	165	165	70
EXIT 4	33	0.2	165	165	70
EXIT 5	33	0.2	165	165	70
EXIT 6	66	0.2	330	330	70
TOTAL			1,485		422



THERE ARE NO FIRE-RESISTANCE RATED ROOMS OR SPACES WITHIN THE PROJECT WORK AREAS.



1 FIRST FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

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CODE RED CONSULTANTS

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Southborough, MA 01772
www.coderedconsultants.com

DRBA DELAWARE RIVER & BAY AUTHORITY

**ILG TERMINAL IMPROVEMENTS - HOLD ROOM
DELAWARE RIVER & BAY AUTHORITY
151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	872.013.013
	DATE:	03/05/2026
	DRAWN BY:	JJ
	DESIGNED BY:	CN
	CHECKED BY:	CN

FIRST FLOOR LIFE SAFETY PLAN

LS-101

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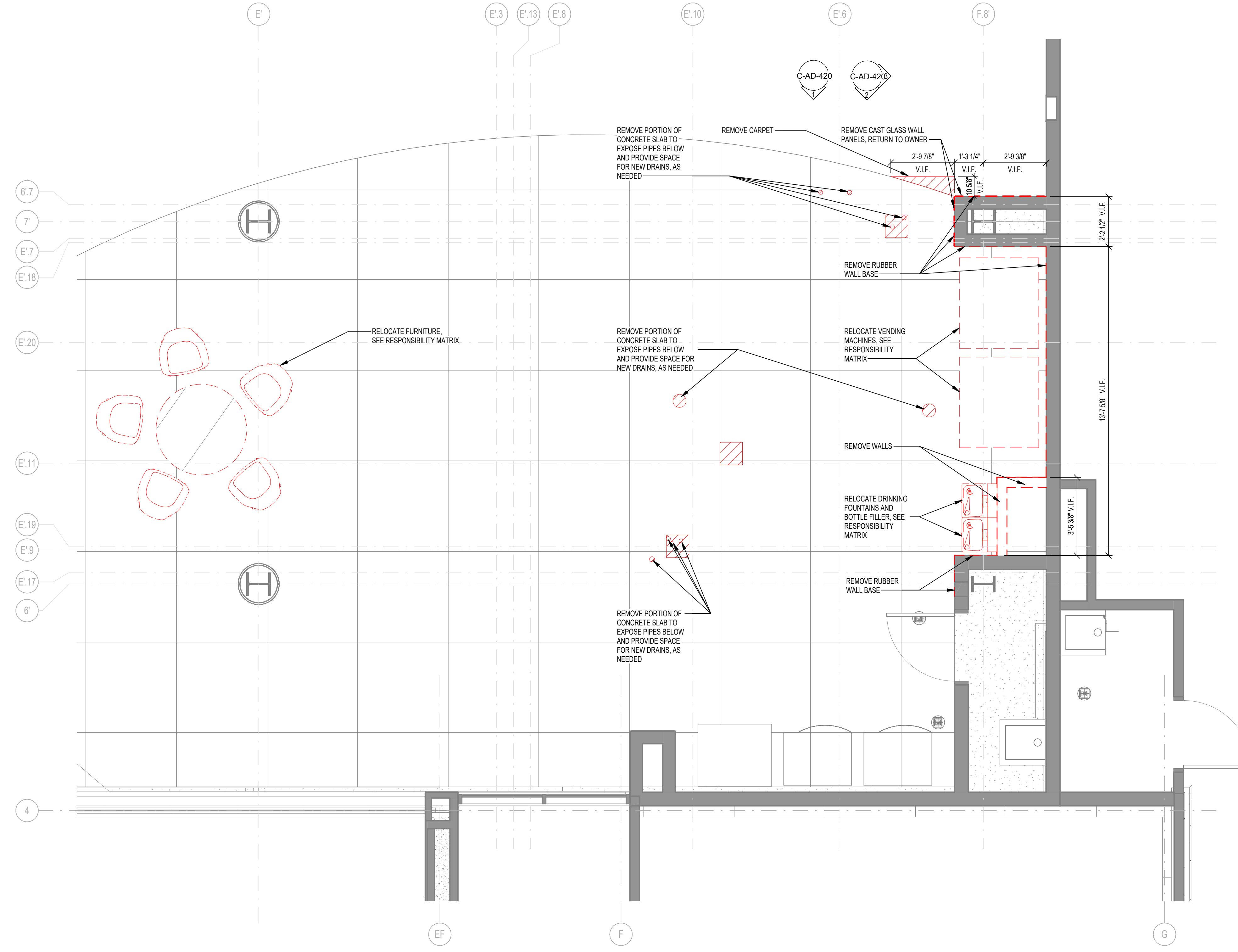
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1 DEMOLITION PLAN - FIRST FLOOR CONCESSIONS
SCALE: 3/8" = 1'-0"

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MARK	DATE	DESCRIPTION
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PROJECT NO:	872.014.008	
DATE:	JUNE 2026	
DRAWN BY:	FMA	
DESIGNED BY:	FMA	
CHECKED BY:	FMA	

DEMOLITION PLAN - CONCESSIONS

C-AD-101

As Shown, Date: 06/20/2026, 151 N Dupont Hwy, New Castle, Delaware, 19720, 2026

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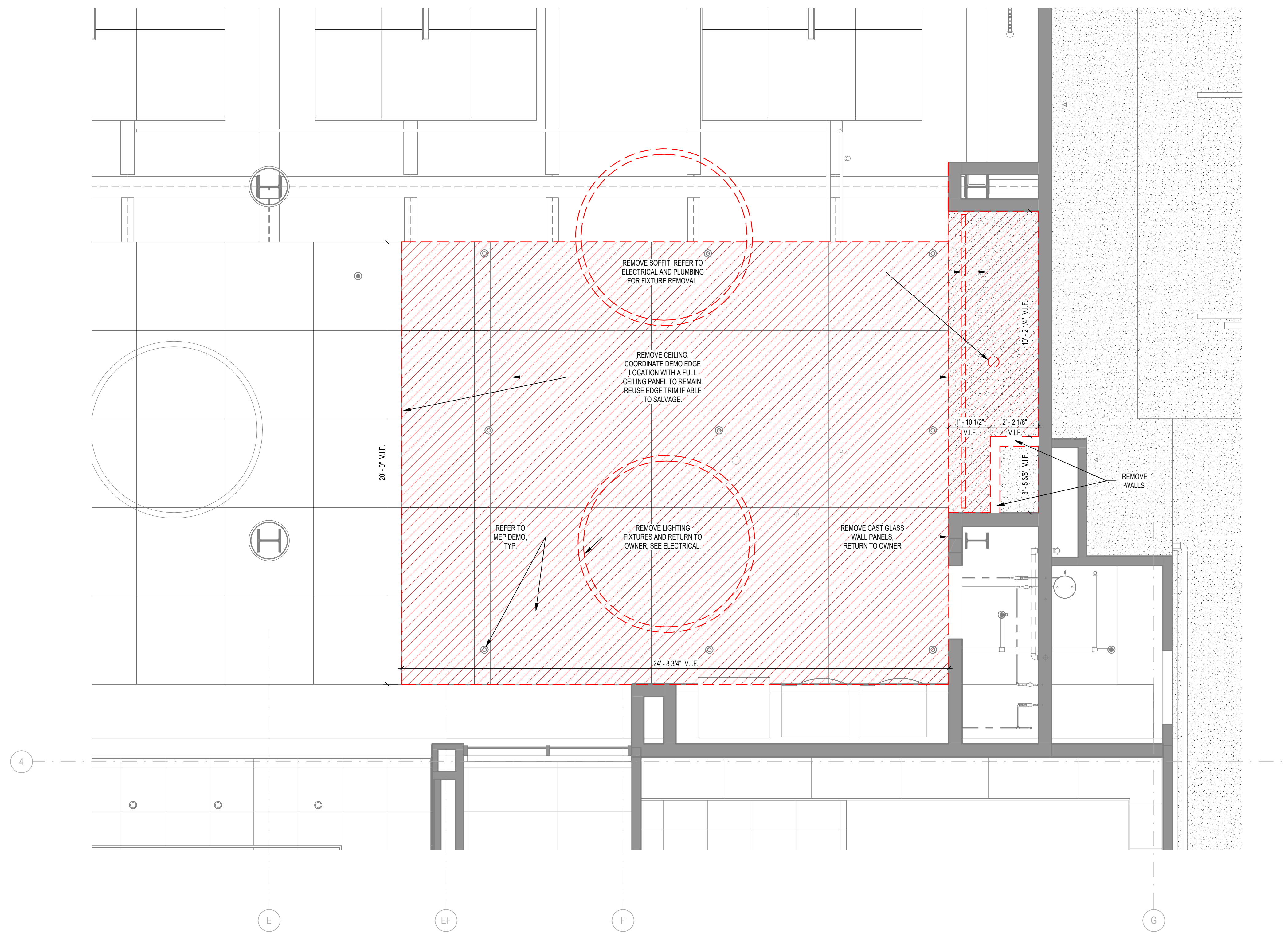
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DESIGNED BY:	FMA	
CHECKED BY:	FMA	

DEMOLITION RCP - CONCESSIONS

C-AD-102

As of 10/20/2024 10:08 AM - ILG Terminal Concessions (151 N Dupont Hwy) - 2/2024.rvt



1 DEMOLITION REFLECTED CEILING PLAN - FIRST FLOOR CONCESSIONS
SCALE: 3/8" = 1'-0"

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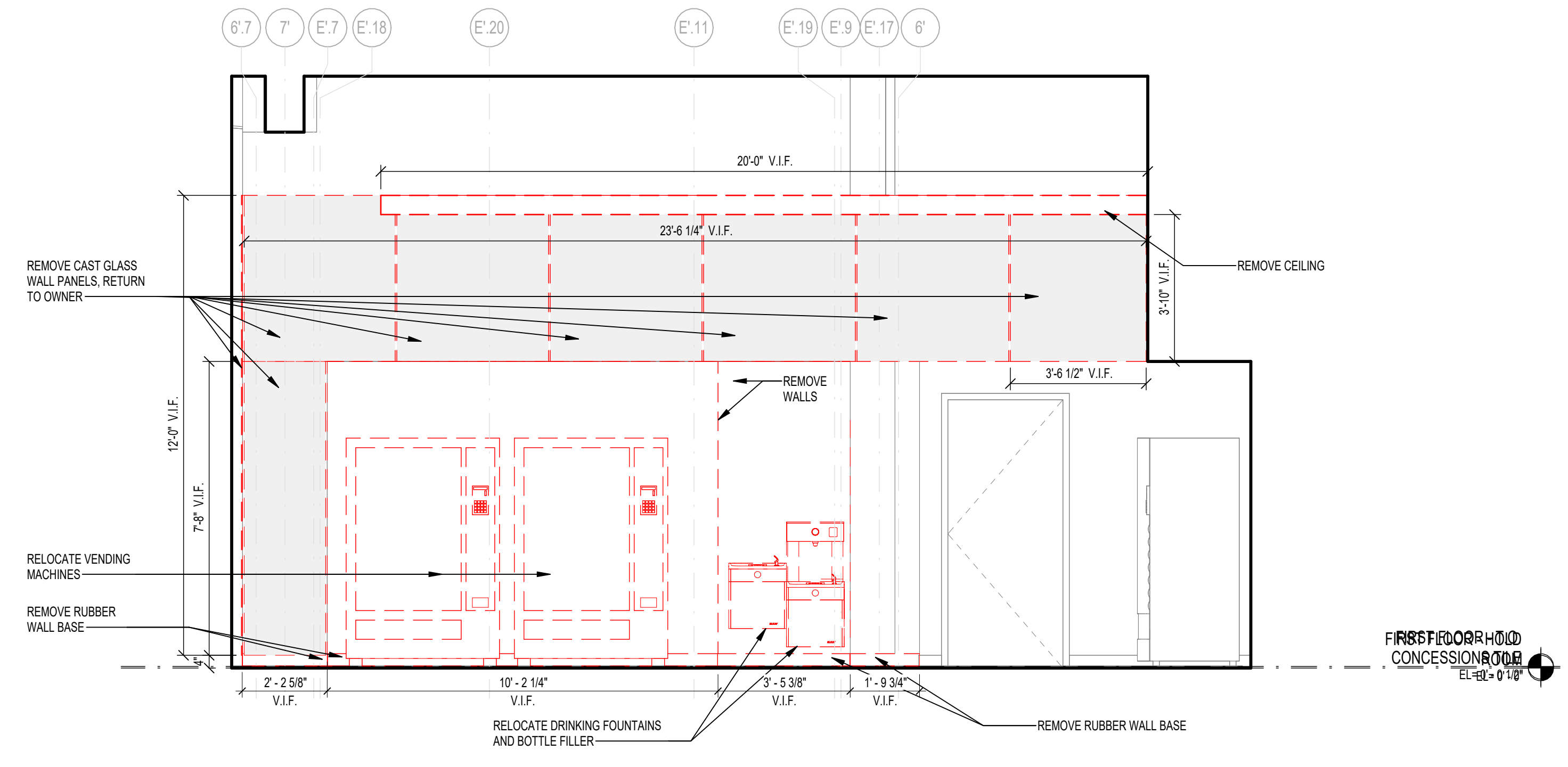
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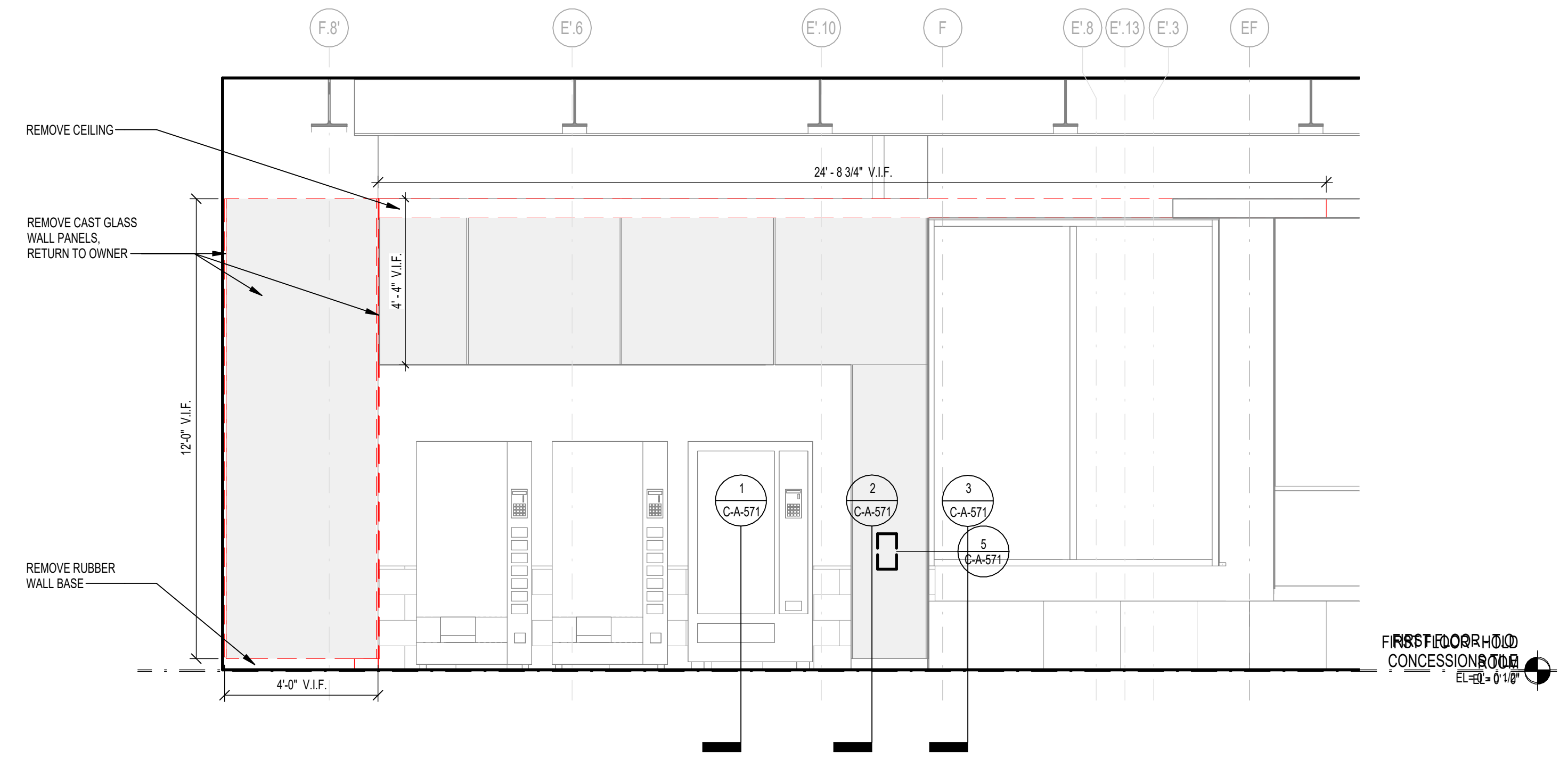
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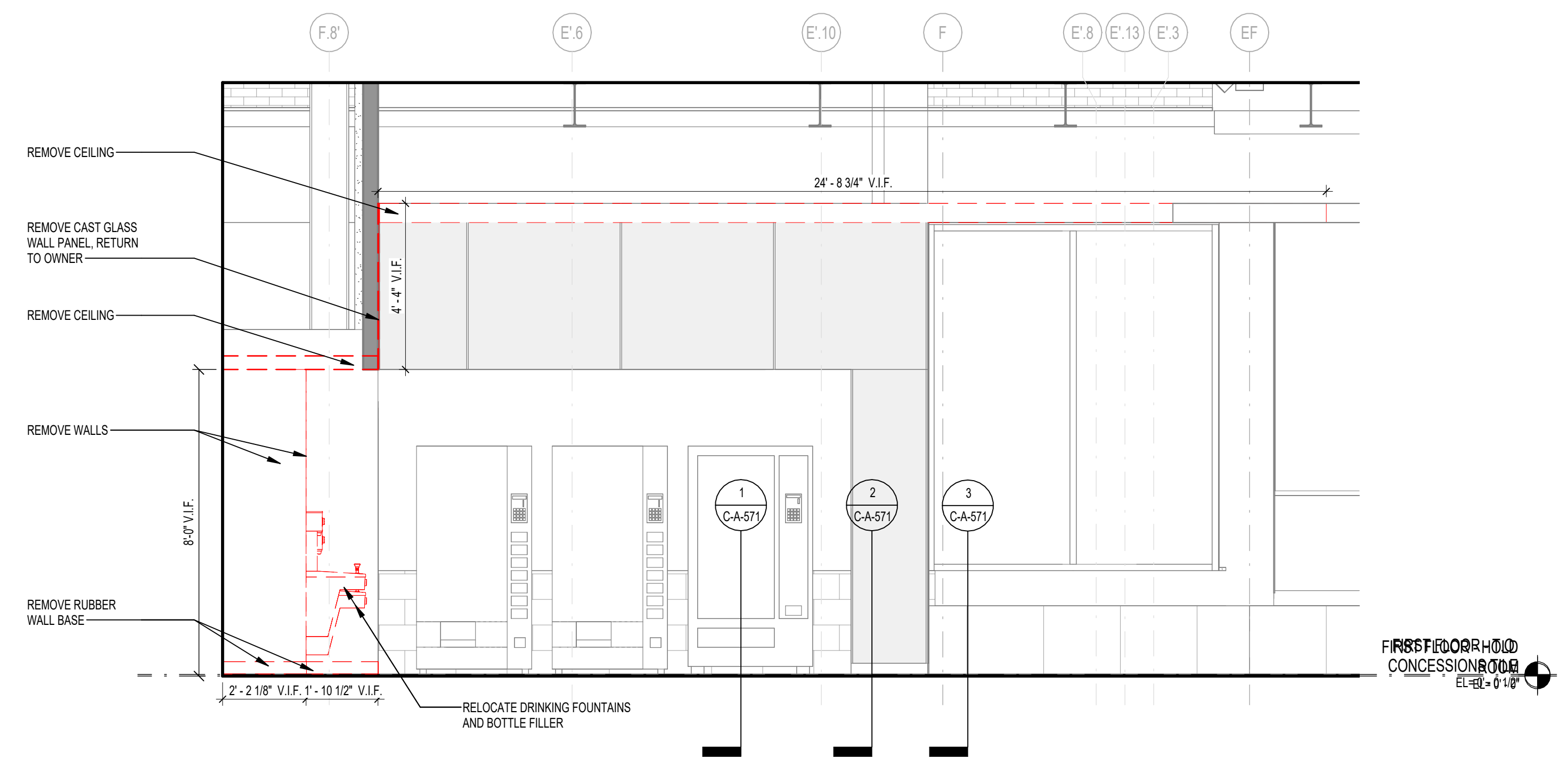
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3 DEMOLITION INTERIOR ELEVATION 3
SCALE: 3/8" = 1'-0"



2 DEMOLITION INTERIOR ELEVATION 2
SCALE: 3/8" = 1'-0"



1 DEMOLITION INTERIOR ELEVATION 1
SCALE: 3/8" = 1'-0"

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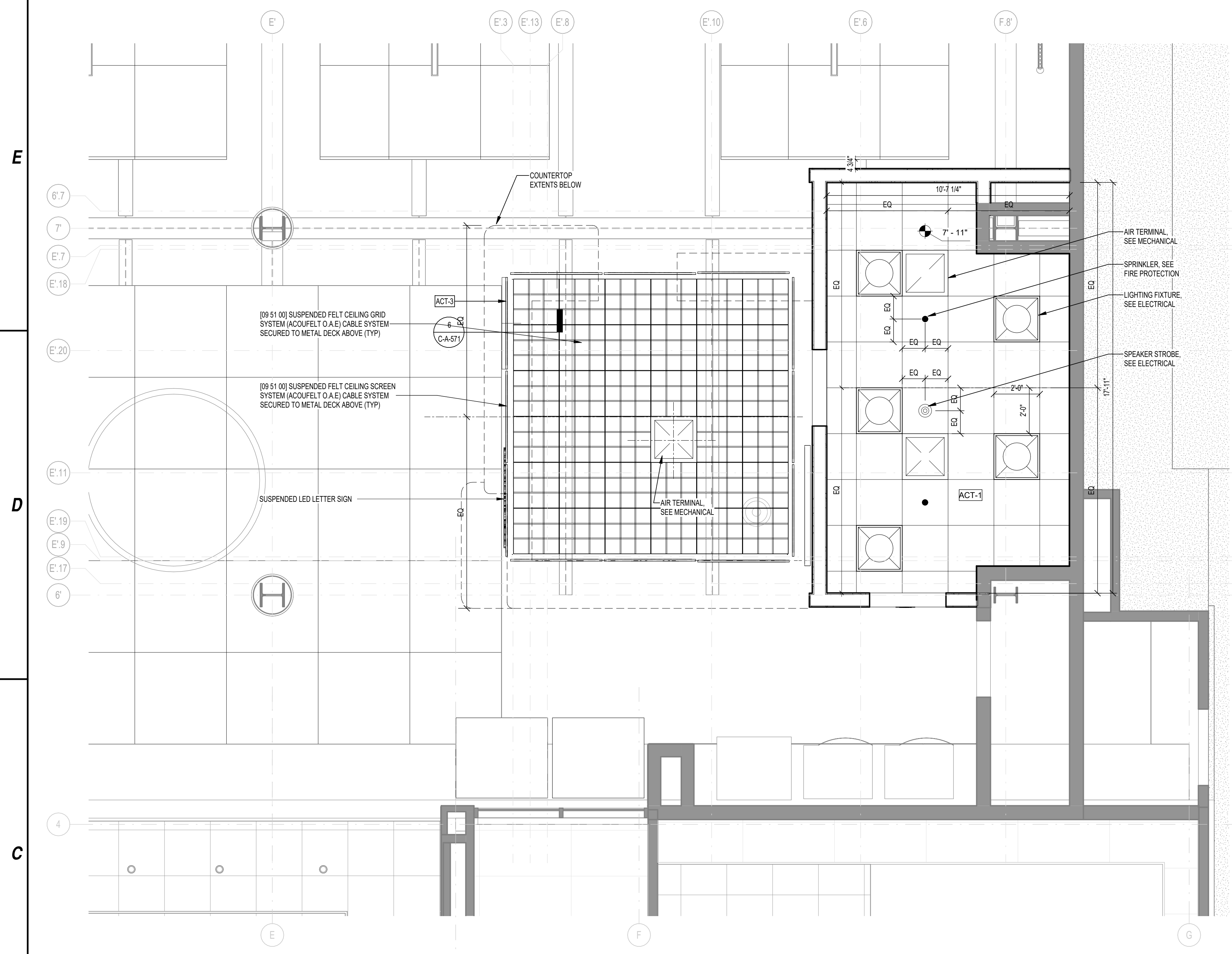
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151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 872.014.008		
DATE: JUNE 2026		
DRAWN BY: FMA		
DESIGNED BY: FMA		
CHECKED BY: FMA		

DEMOLITION INTERIOR ELEVATIONS - CONCESSIONS

C-AD-420

As-built Docs 10/20/2024 10:08 - ILG Terminal Concessions 11/19/24 - AM/2024_2/2024.rvt



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

- GENERAL CEILING NOTES:**
- COORDINATE FINAL LIGHTING LOCATIONS AND FIXTURE HEIGHTS IN FIELD WITH ARCHITECT PRIOR TO ORDERING FIXTURES AND INSTALLATION.
 - REFER TO INTERIOR ELEVATIONS FOR MOUNTING HEIGHTS. COORDINATE FINAL LIGHTING LOCATIONS AND PENDANT HEIGHTS IN FIELD WITH ARCHITECT PRIOR TO ORDERING FIXTURES AND INSTALLATION.
 - S.C. TO COORDINATE SCHEDULE AND LAYOUT OF SECURITY CAMERAS WITH SECURITY CONTRACTOR.
 - LIGHTING AND FIXTURES SHOWN FOR LOCATION PURPOSES ONLY. SEE ELECTRICAL LIGHTING PLANS FOR ALL EMERGENCY LIGHTING, FIRE ALARM FIXTURES, AND LIGHTING SPECIFICATIONS.

FINISH MATERIALS KEY

PAINT:
 PNT1 - BENJAMIN MOORE DECORATORS WHITE CC-20
 PNT2 - BENJAMIN MOORE BLACK 2122-10
 PNT3 - BENJAMIN MOORE NOVEMBER SKIES 2128-50
 PNT4 - COLOR MATCH CT-1 TILE

CEILING TILE:
 ACT-1 - ARMSTRONG KITCHEN ZONE WHITE
 ACT-2 - ACQUFELT OPEN FRAME SYSTEM
 ACT-3 - ACQUFELT SCREEN

CERAMIC TILE:
 CT-1 - GENROSE MELODY SEA
 CT-2 - GENROSE MELODY MIST

FIBER REINFORCED POLYMER PANELS:
 FR-1 - MARLITE P-199 BRIGHT WHITE PEBBLED
 FR-2 - MARLITE P-151 LIGHT GREY PEBBLED

RUBBER BASE:
 RB1 - ROPPE STANDARD TOE WALL BASE 197 ICEBURG

TERRAZZO TILE:
 TER1A - TREND ORIGINA 431 WHITE (EXISTING TILE WITH NONSLIP SEALER ADDED)

SOLID SURFACE:
 SL-1 DUPONT CORIAN - DESIGNER WHITE

PLANK CASEWORK:
 PL-1 WILSONART - WHITE 1570-60 MATTE FINISH

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DRBA DELAWARE RIVER & BAY AUTHORITY

**ILG TERMINAL DEPARTURE LOUNGE
 CONCESSION
 DELAWARE RIVER & BAY AUTHORITY
 151 N DUPONT HWY, NEW CASTLE, DELAWARE**

METALWORKS™ Open Cell Square Lay-in smooth texture

FAST 4 BEST 4

CAD/Revit® drawings at: armstrongceilings.com/cadrevit

plus capabilities for projects

Available Open Cell panels are 100% accessible and offer a clean, modern design option.

KEY SELECTION ATTRIBUTES

- Open cell with wire, wire or mesh finish
- Layer system is flat and easy to install
- Panel framed 3/4" x 3/4" panel creates seamless
- Wide range of design options
- Special panels available in the METRICE program - easy to slip in, install or use
- Panel framed 3/4" x 3/4" panel creates seamless
- Wide range of design options
- Special panels available in the METRICE program - easy to slip in, install or use

COLORS Due to printing limitations, shades may vary from actual product.

White (W), Black (B), Custom Colors Available

TechLine 877 278-7678
armstrongceilings.com/metalworkspanel

Armstrong World Industries

METALWORKS™ Open Cell Square Lay-in smooth texture

RECYCLED CONTENT 20%

LEED

FAST 4 BEST 4

VISUAL SELECTION

Item No.	Dimensions (Height x L (Width))	Color	Finish	Performance Class
6589MT ...	24" x 24"	7'	70%	Class A
6589MT ...	24" x 24"	4'	50%	Class A
6589MT ...	24" x 24"	4'	50%	Class A
6589MT ...	24" x 24"	4'	50%	Class A

Install in standard 8'x10' 15" suspension system

ACCESSORIES

Item No.	Description	Color	Finish/Option
6589MS ...	3" Metal Mesh Panel, 4" Interior Cell Size	Wk, Bl	50
6589MS ...	4" Metal Mesh Panel, 4" Interior Cell Size	Wk, Bl	50
6589MT ...	4" Metal Mesh Panel, 4" Interior Cell Size	Wk, Bl	50
6589MT ...	4" Metal Mesh Panel, 4" Interior Cell Size	Wk, Bl	50

PHYSICAL DATA

Standard Aluminum, 0.049" thick
 Dimensions: Panel framed 3/4" x 3/4" panel creates seamless
 Finish: Smooth texture
 Weight: 1.5 lbs/sq ft
 Fire Rating: Class A
 Acoustic: 0.50
 Light Transmission: 85%
 Light Reflection: 85%
 Light Diffusion: 85%
 Light Control: 85%
 Light Glare: 85%
 Light Flicker: 85%
 Light Strob: 85%
 Light Flicker: 85%
 Light Strob: 85%
 Light Flicker: 85%
 Light Strob: 85%

METALWORKS™ Standard

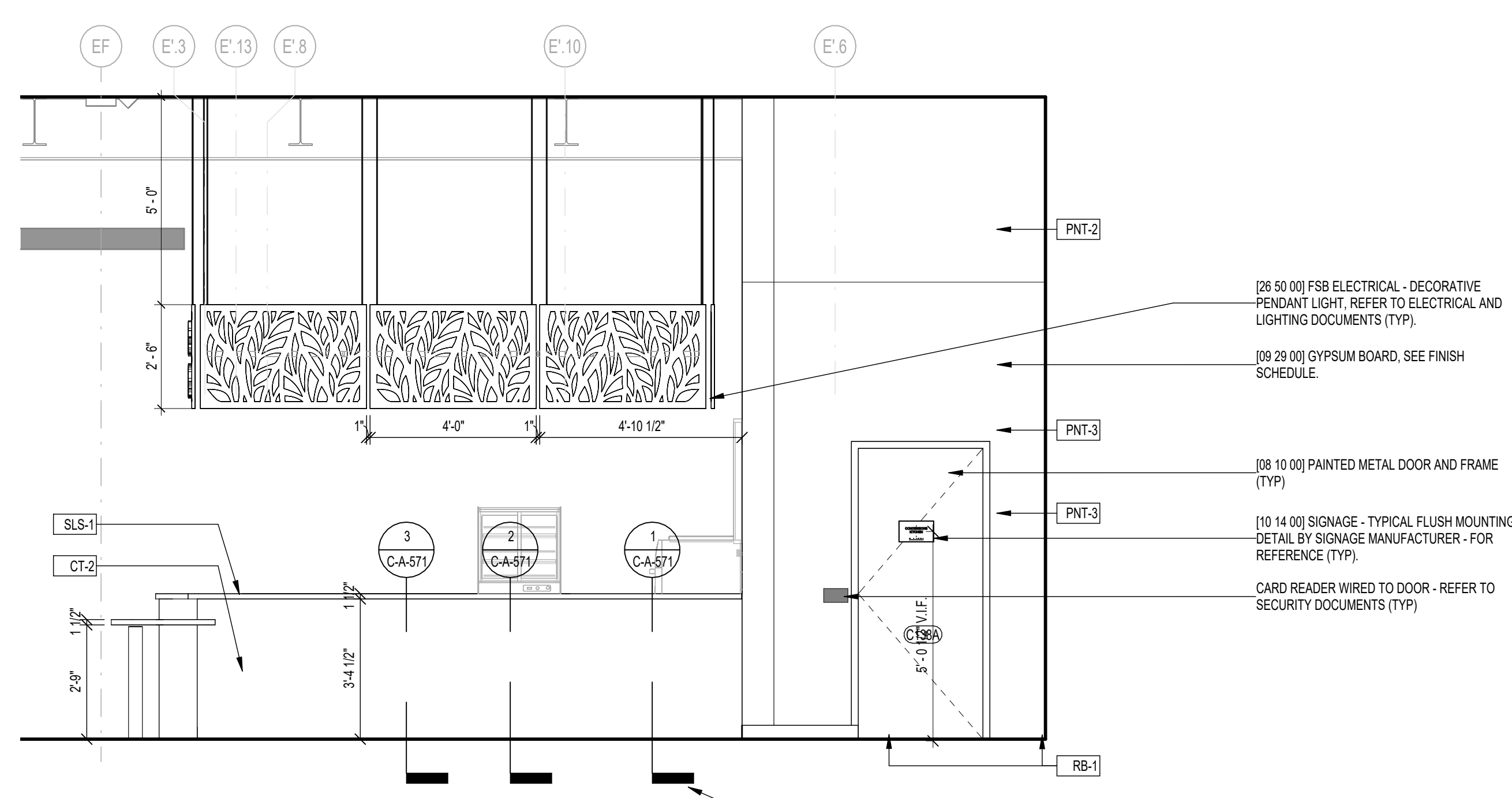
REFLECTED CEILING PLAN - CONCESSIONS

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	872.014.008	
DATE:	JUNE 2026	
DRAWN BY:	FMA	
DESIGNED BY:	FMA	
CHECKED BY:	FMA	

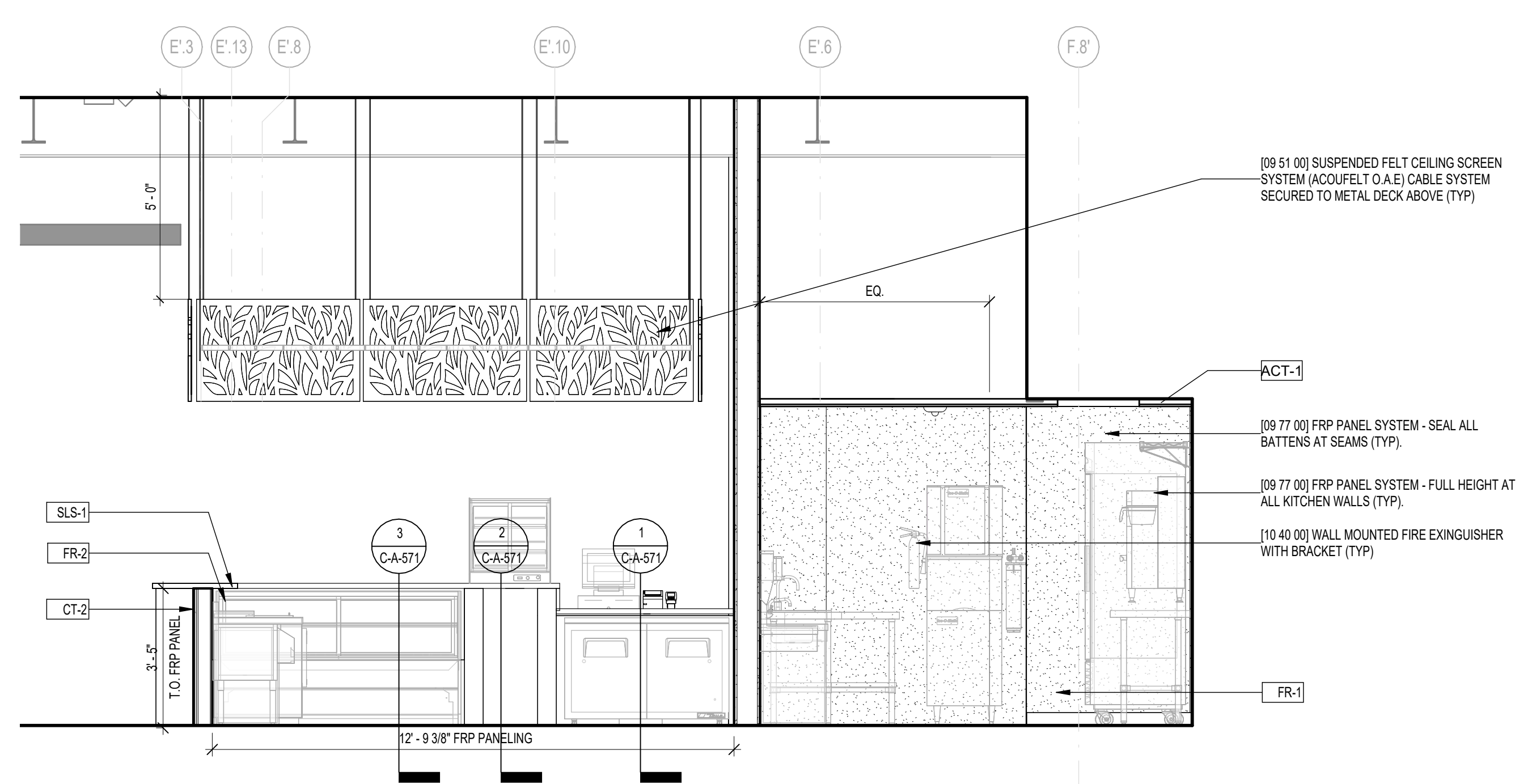
C-A-120

AutoCAD: Docs\18102016008 - ILG Terminal Concessions\151 N Dupont Hwy - RCP - 2/2024.dwg
 2/20/24 11:58 AM

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6 CONCESSIONS - INTERIOR ELEVATION - NORTH
SCALE: 3/8" = 1'-0"



5 CONCESSIONS - INTERIOR ELEVATION BAR - NORTH
SCALE: 3/8" = 1'-0"

FINISH MATERIALS KEY

PAINT:
 PNT1 - BENJAMIN MOORE DECORATORS WHITE CC-20
 PNT2 - BENJAMIN MOORE BLACK 2122-10
 PNT3 - BENJAMIN MOORE NOVEMBER SKIES 2128-50
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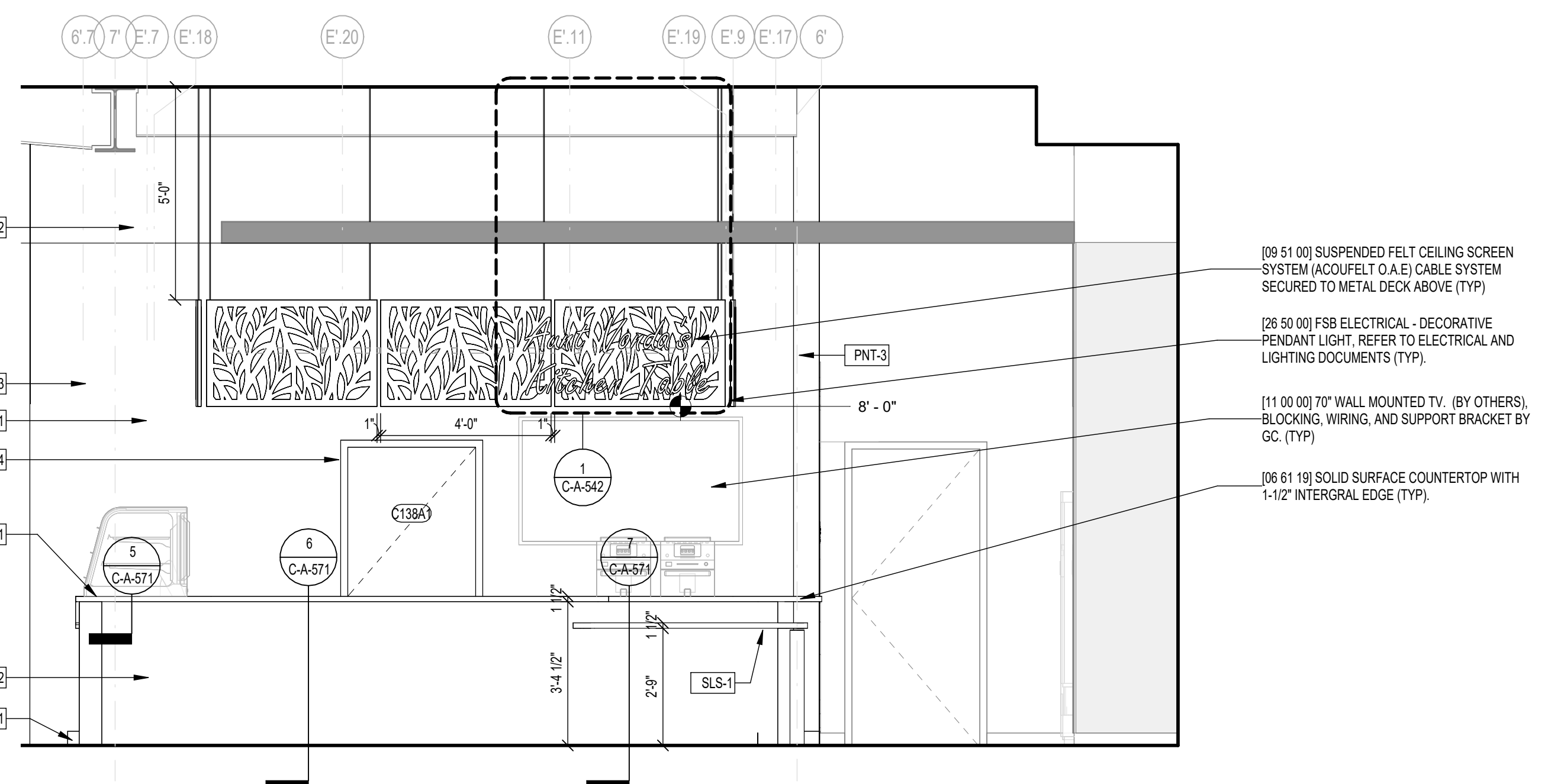
RUBBER BASE:
 RB-1 - ROPPE STANDARD TOE WALL BASE 197 ICEBURG

TERRAZZO TILE:
 TER-1 - TREND ORIGINA 431 WHITE (EXISTING TILE WITH NONSLIP SEALER ADDED)

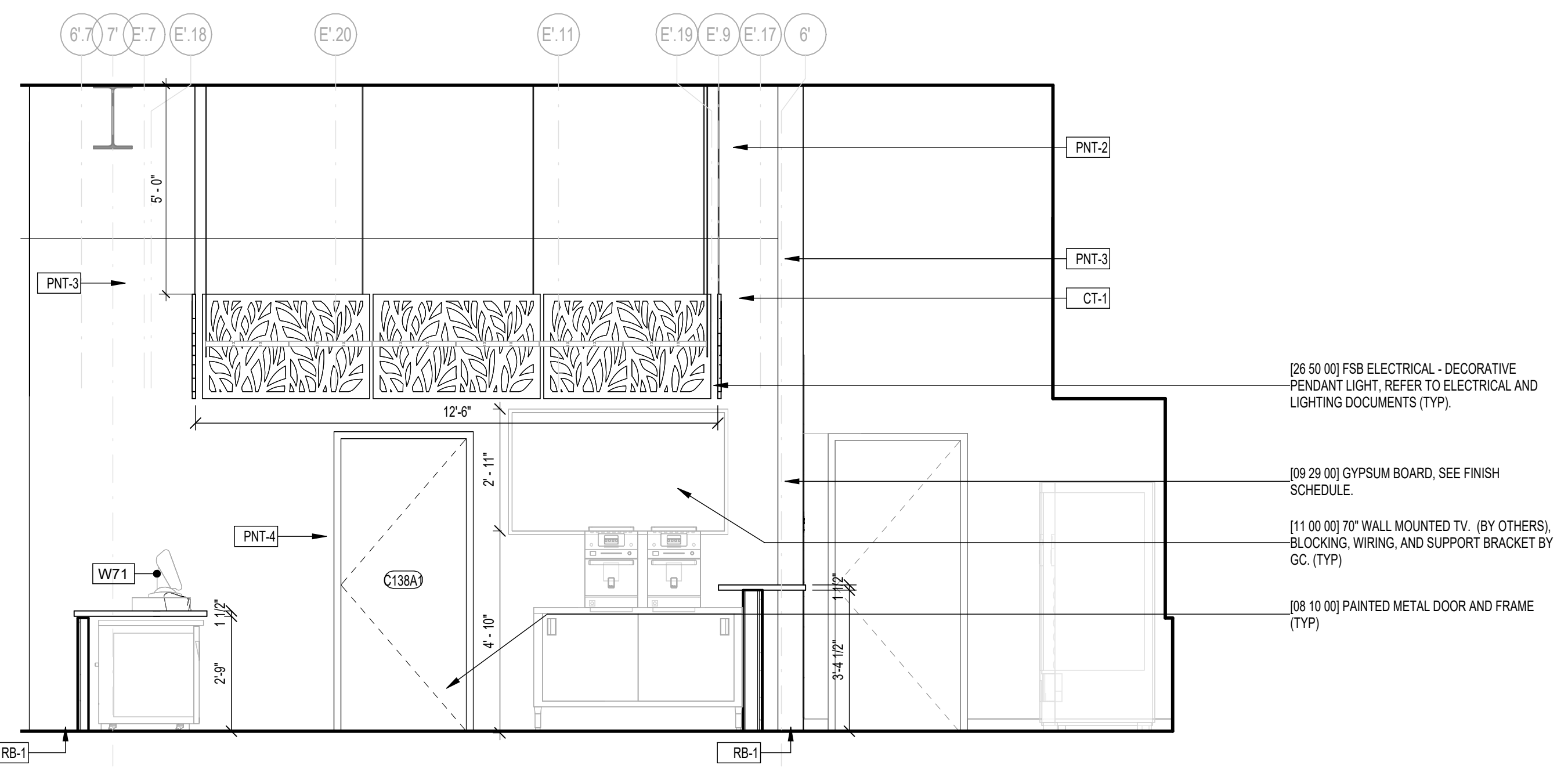
SOLID SURFACE:
 SLS-1 DUPONT CORIAN - DESIGNER WHITE

PLAM CASEWORK:
 PL-1 - WILSONART - WHITE 1570-60 MATTE FINISH

D



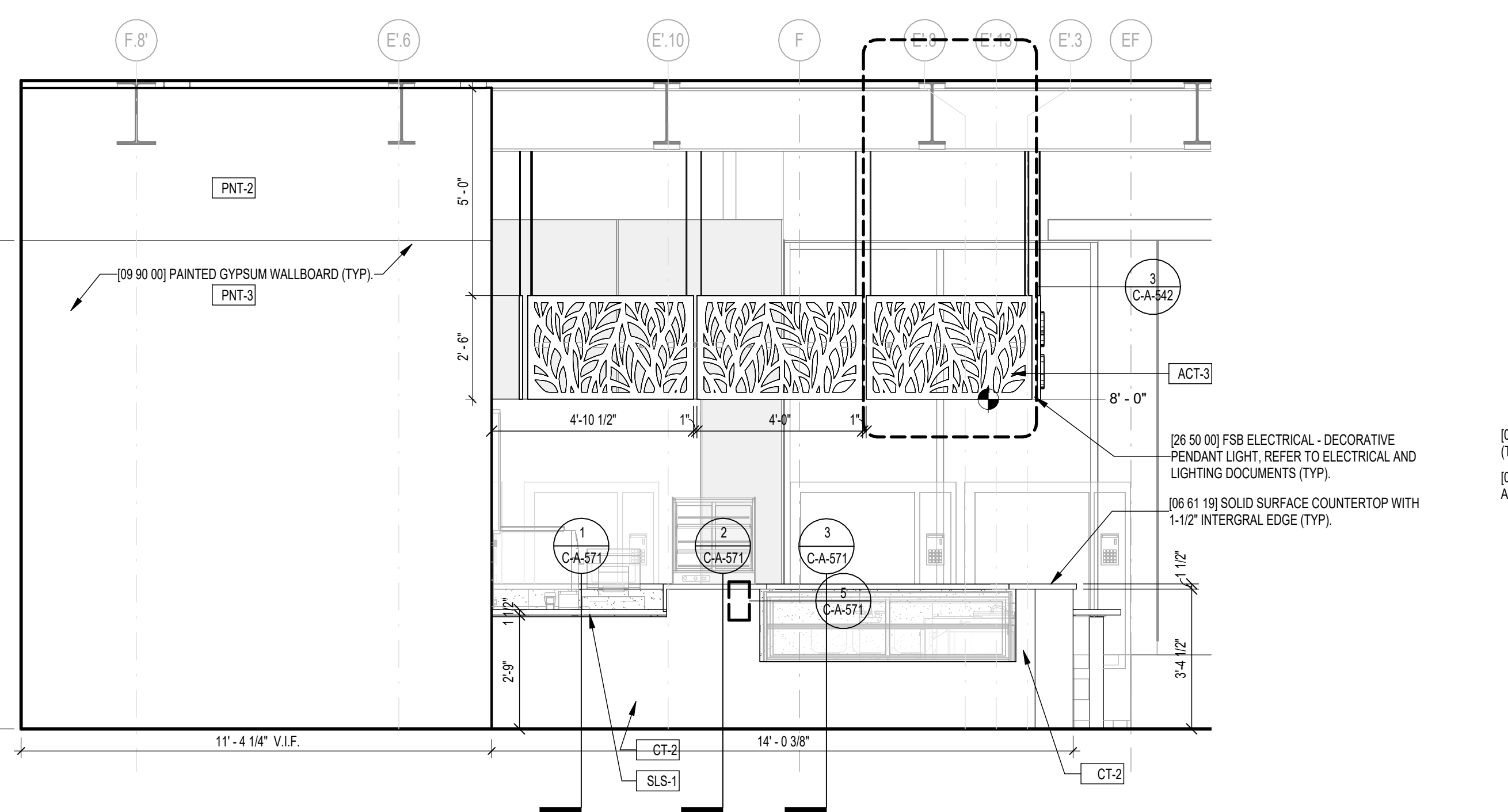
4 CONCESSIONS - INTERIOR ELEVATION - EAST
SCALE: 3/8" = 1'-0"



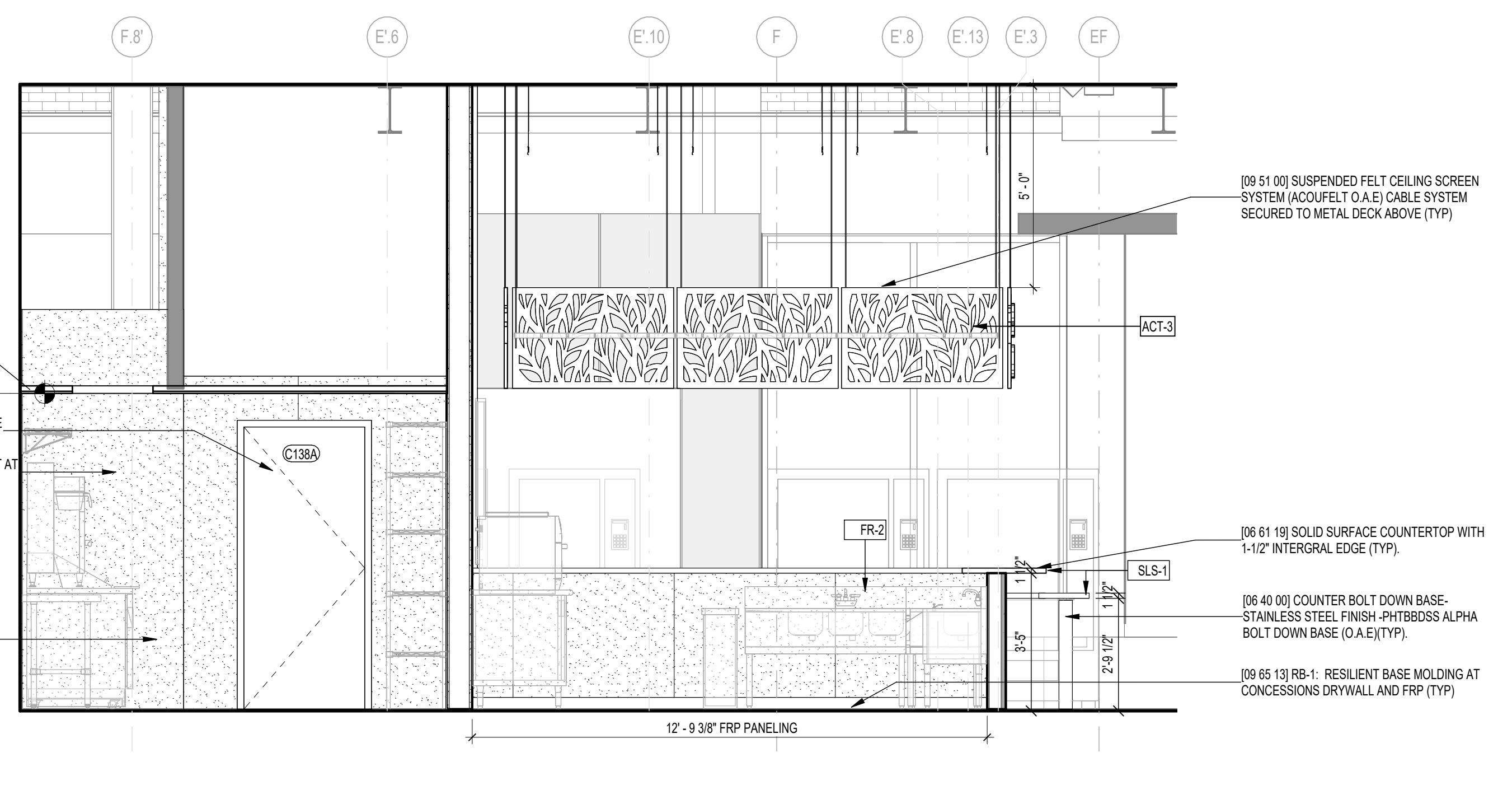
3 CONCESSIONS - INTERIOR ELEVATION BAR - EAST
SCALE: 3/8" = 1'-0"

C

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2 CONCESSIONS - INTERIOR ELEVATION - SOUTH
SCALE: 3/8" = 1'-0"



1 CONCESSIONS - INTERIOR ELEVATION BAR - SOUTH
SCALE: 3/8" = 1'-0"

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 151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	872.014.008
	DATE:	JUNE 2026
	DRAWN BY:	FMA
	DESIGNED BY:	FMA
	CHECKED BY:	FMA

INTERIOR ELEVATIONS - SHEET 1 CONCESSIONS

C-A-420

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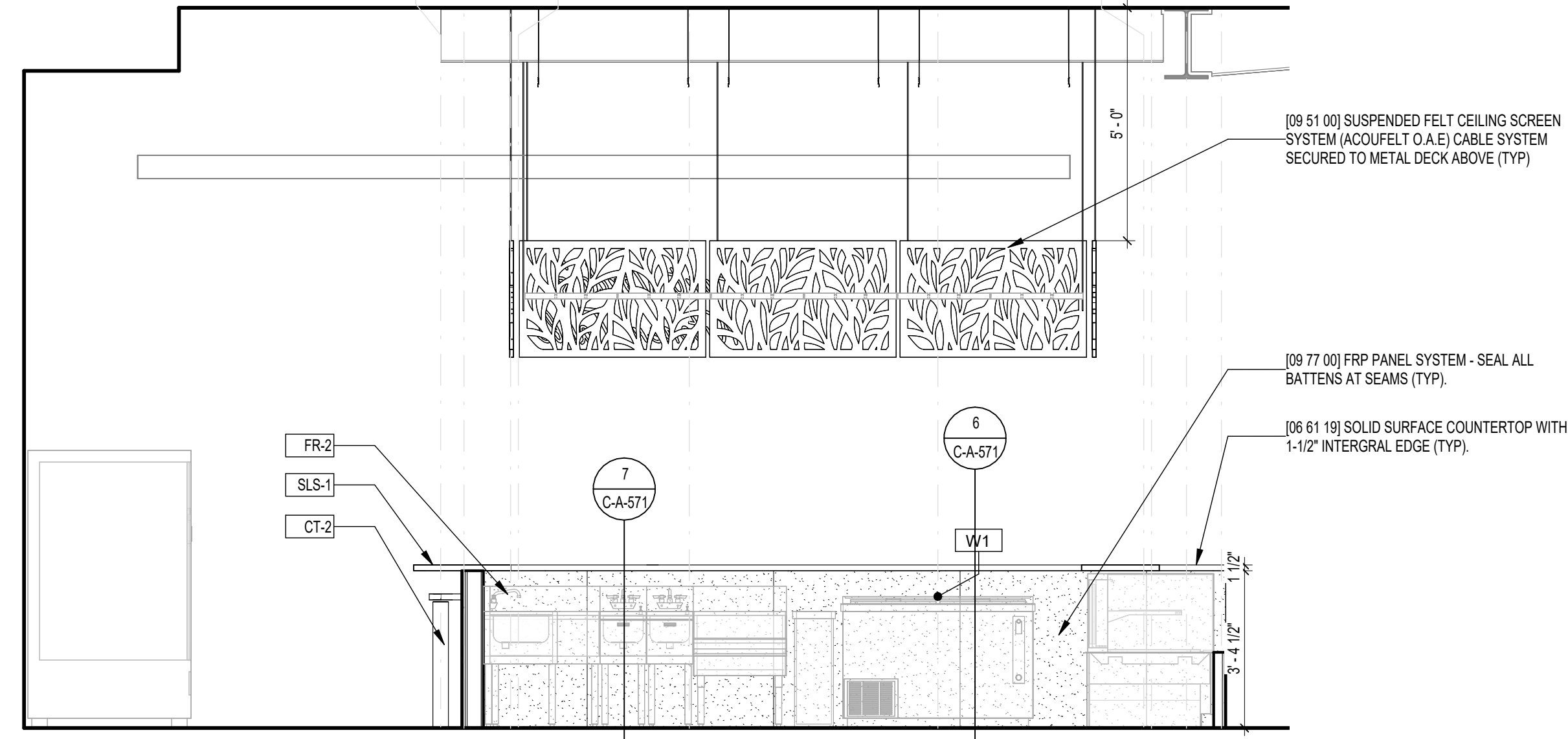
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6' E.17 E.9 E.19 E.11 E.20 E.18 E.7 7' 8' 7'



1 CONCESSIONS - INTERIOR ELEVATION BAR - WEST
SCALE: 3/8" = 1'-0"

FINISH MATERIALS KEY	
PAINT:	
PNT1	BENJAMIN MOORE DECORATORS WHITE CC-20
PNT2	BENJAMIN MOORE BLACK 2122-10
PNT3	BENJAMIN MOORE NOVEMBER SKIES 2128-50
PNT4	COLOR MATCH CT-1 TILE
CEILING TILE:	
ACT-1	ARMSTRONG KITCHEN ZONE WHITE
ACT-2	ACOUFELT OPEN FRAME SYSTEM
ACT-3	ACOUFELT SCREEN
CERAMIC TILE:	
CT-1	GENROSE MELODY SEA
CT-2	GENROSE MELODY MIST
FIBER REINFORCED POLYMER PANELS:	
FR-1	MARLITE P-199 BRIGHT WHITE PEBBLED
FR-2	MARLITE P-151 LIGHT GREY PEBBLED
RUBBER BASE:	
RB1	ROPPE STANDARD TOE WALL BASE 197 ICEBURG
TERRAZZO TILE:	
TER1A	TREND ORIGINA 431 WHITE (EXISTING TILE WITH NONSLIP SEALER ADDED)
SOLID SURFACE:	
SLS-1	DUPONT CORIAN - DESIGNER WHITE
PLAM CASEWORK:	
PL-1	WILSONART - WHITE 1570-60 MATTE FINISH



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ILG TERMINAL DEPARTURE LOUNGE
CONCESSION
DELAWARE RIVER & BAY AUTHORITY
151 N DUPONT HWY, NEW CASTLE, DELAWARE

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	872.014.008	
DATE:	JUNE 2026	
DRAWN BY:	FMA	
DESIGNED BY:	FMA	
CHECKED BY:	FMA	

INTERIOR ELEVATIONS - SHEET 2 CONCESSIONS

C-A-422

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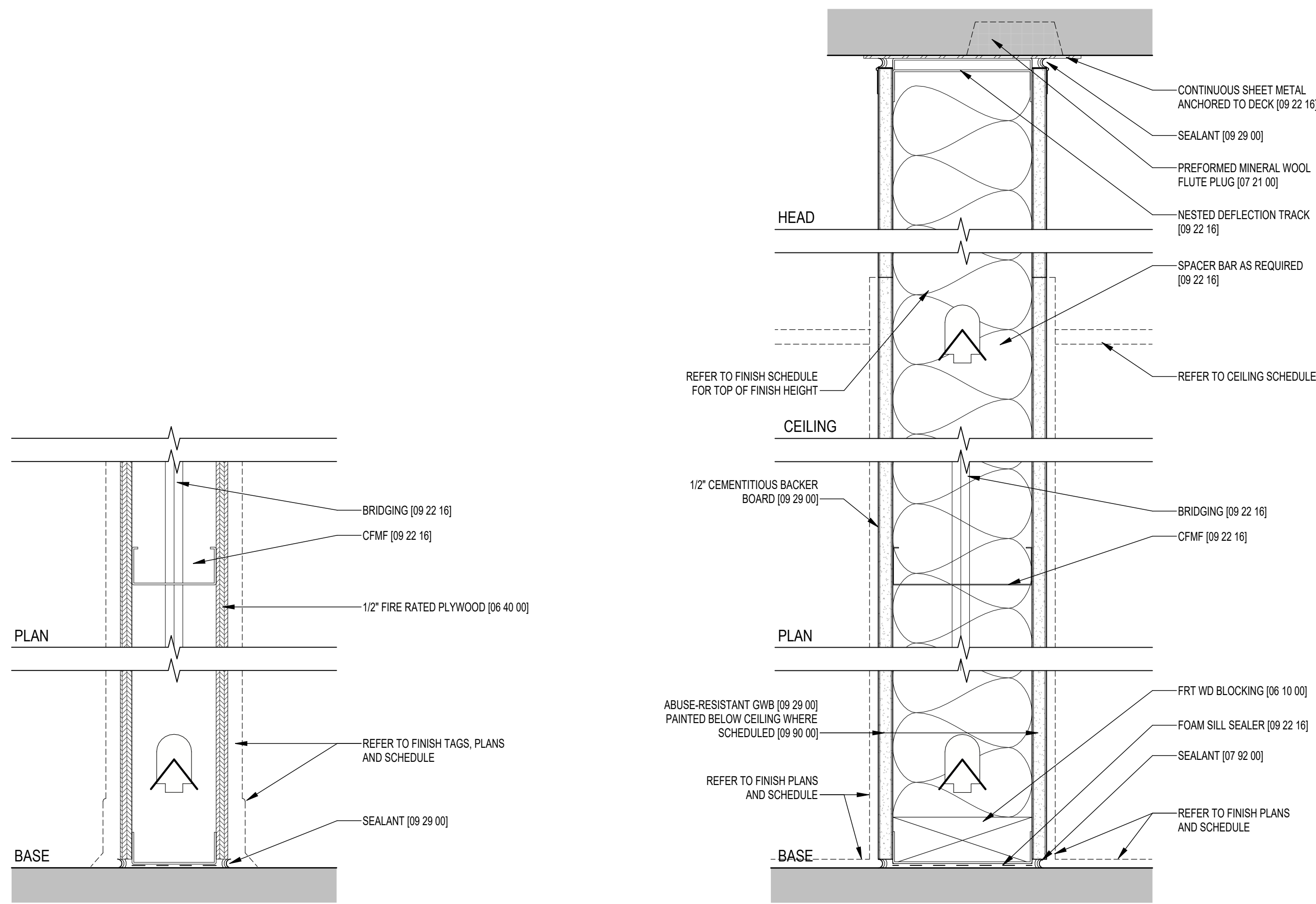
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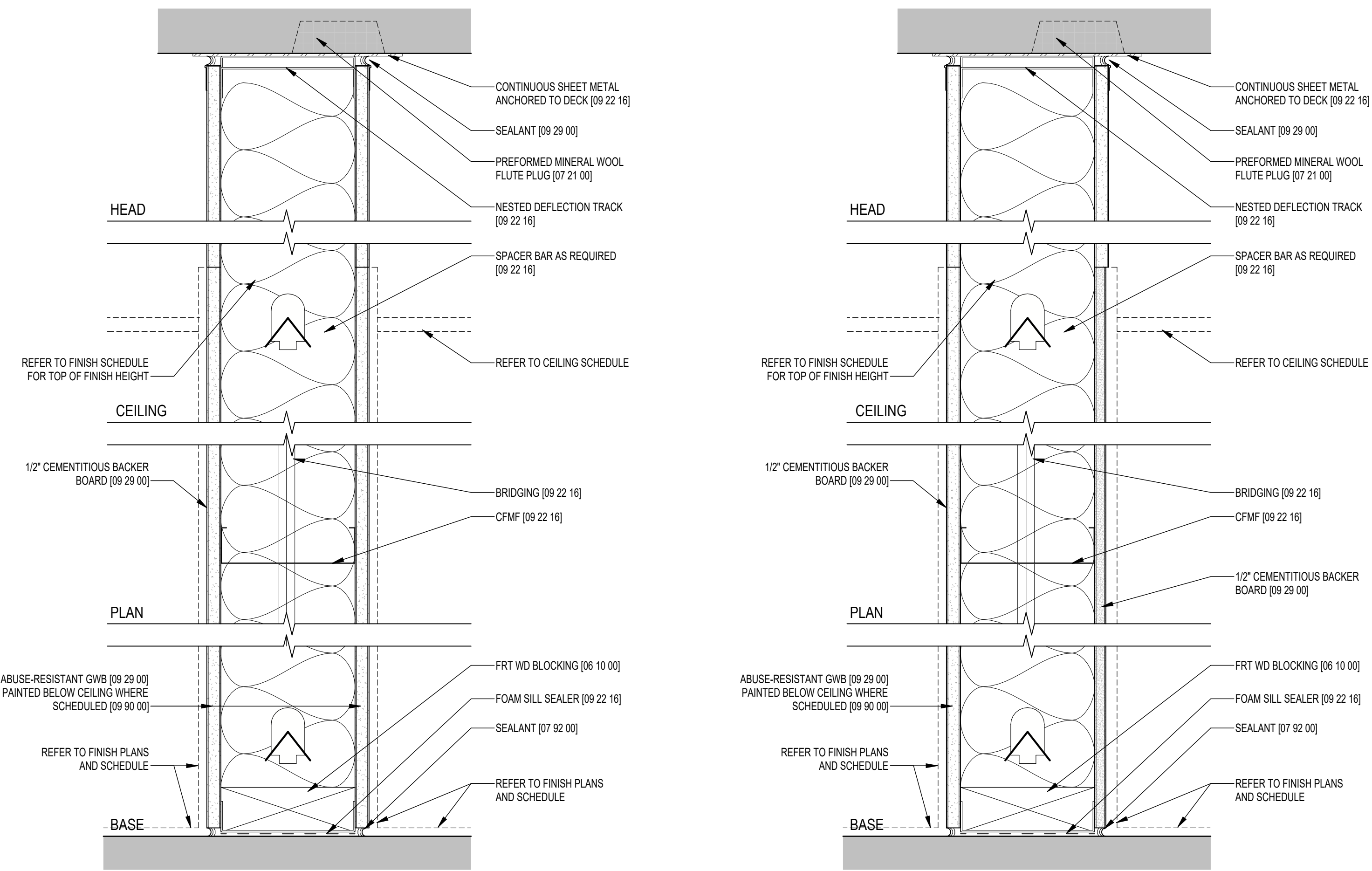
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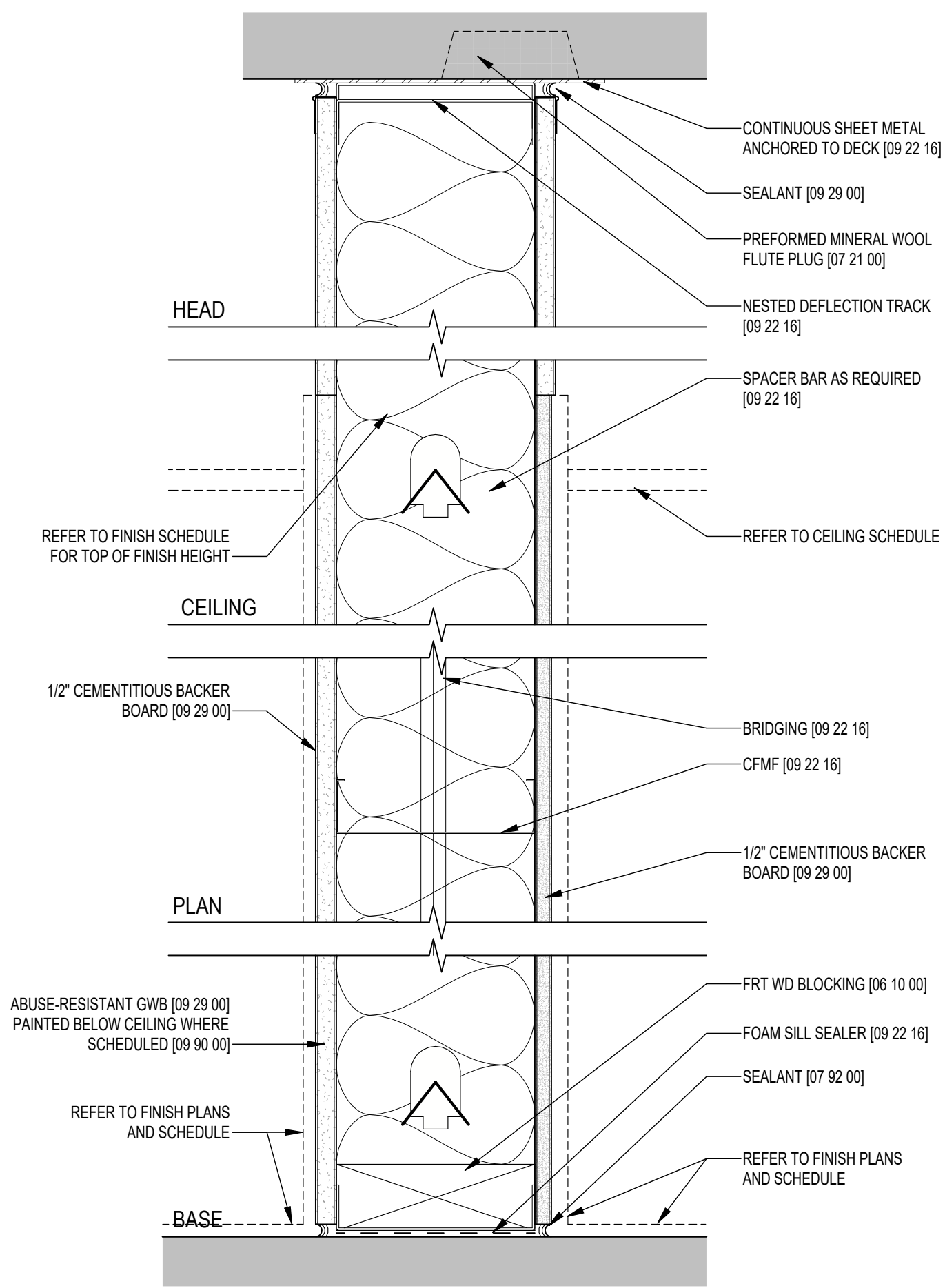
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A36 PARTITION TYPE - A36 - 3 5/8" METAL STUD - NON-RATED
SCALE: 3" = 1'-0"



A68 ILG-PARTITION TYPE - A68 - 6" METAL STUD - NON-RATED - GWB
SCALE: 3" = 1'-0"



A69 PARTITION TYPE - A69 - 6" METAL STUD - NON-RATED - GWB & CEMENTITIOUS BACKER
SCALE: 3" = 1'-0"

GENERAL PARTITION NOTES

- DIMENSIONS ON DRAWINGS ARE TO CENTER OF PARTITION CORE UNO
- ALL FIRE RATED PARTITIONS MUST CONFORM TO THE MINIMUM REQUIREMENTS OF THE LISTED TESTED ASSEMBLY UNLESS MORE STRINGENT REQUIREMENTS ARE DESIGNATED BY THE DETAIL
- ALL FIRE RATED AND SMOKE PARTITIONS SHALL BE IDENTIFIED WITH LETTERING NOT LESS THAN 5" IN HEIGHT LOCATED ABOVE THE FINISH CEILING AND ATTIC SPACES AND NOT EXCEEDING 30" HORIZONTALLY. TEXT SHALL BE "FIRE AND/OR SMOKE BARRIER-PROTECT ALL OPENINGS"
- FIRE RATED AND SECURITY PARTITIONS SHALL BE CONTINUOUS ABOVE THE CEILING SO AS TO PROVIDE A POSITIVE SMOKE AND/OR FIRE BARRIER. BOTH SIDES OF STUD PARTITIONS ABOVE THE CEILING SHALL BE FINISHED EXCEPT FOR DECORATIVE FINISHES.
- WHEN INSULATED PARTITIONS AND NON-INSULATED (OR LESS INSULATED) PARTITIONS INTERSECT, THE HIGHER-RATED PARTITION CONSTRUCTION SHALL CONTINUE THROUGH THE INTERSECTION.
- WHERE PIPES, DUCTS AND PANEL BOXES OCCUR, PARTITIONS SHALL BE OF SUCH THICKNESS TO ACCOMMODATE PIPES AND DUCTS (REF. MEP DWGS). ALL PIPES, DUCTS, ETC. IN FINISHED AREAS SHALL BE FURRED INTO WALLS UNLESS NOTED OTHERWISE.
- PROVIDE MOISTURE RESISTANT GWB AT ALL TOILETROOMS. PROVIDE ONE LAYER CEMENT BACKER BOARD AT ALL LOCATIONS SCHEDULED TO RECEIVE TILE FINISH UNO
- ALL FASTENER HEADS AT STUDS, BLOCKING AND SHEATHING TO BE COUNTERSUNK FLUSH.

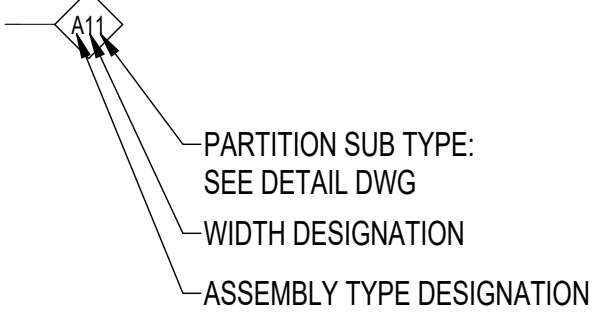
ASSEMBLY TYPE DESIGNATION

SPECIAL DESIGNATION	CONSTRUCTION
A	ADD 1 LAYER 3/4" FR PLYWOOD TO 8'-0"
B	ADD SOUND ATTENUATION BLANKET
C	ADD MINERAL WOOL FIRE BLANKET
D	IMPACT RESISTANT GWB
E	GWB 1 SIDE, TILE 1 SIDE
F	WALL TILE BOTH SIDES
G	FRP 1 SIDE
H	FRP BOTH SIDES

PARTITION WIDTH DESIGNATION

WIDTH DESIGNATION	STUD SIZE		
	MTL	WOOD	CMU
1	1 5/8"	-	-
2	2 1/2"	2X3 (NOM)	-
3	3 5/8"	2X4 (NOM)	-
4	4"	-	4" (NOM)
5	-	2X6 (NOM)	-
6	6"	-	6" (NOM)
8	-	-	8" (NOM)
12	-	-	12" (NOM)

PARTITION TYPE SYMBOL LEGEND



FINISH MATERIALS KEY

- PAINT:
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PNT2 - BENJAMIN MOORE BLACK 2122-10
PNT3 - BENJAMIN MOORE NOVEMBER SKIES 2128-50
PNT4 - COLOR MATCH CT-1 TILE
- CEILING TILE:
ACT-1 - ARMSTRONG KITCHEN ZONE WHITE
ACT-2 - ACCUFELT OPEN FRAME SYSTEM
ACT-3 - ACCUFELT SCREEN
- CERAMIC TILE:
CT-1 - GENROSE MELODY SEA
CT-2 - GENROSE MELODY MIST
- FIBER REINFORCED POLYMER PANELS:
FR-1 - MARLITE P-199 BRIGHT WHITE PEBBLED
FR-2 - MARLITE P-151 LIGHT GREY PEBBLED
- RUBBER BASE:
RB1 - ROPPE STANDARD TOE WALL BASE 197 ICEBURG
- TERRAZZO TILE:
TER1A - TREND ORIGINA 431 WHITE (EXISTING TILE WITH NONSLIP SEALER ADDED)
- SOLID SURFACE:
SL-1 DUPONT CORIAN - DESIGNER WHITE
- PLAM CASEWORK:
PL-1 - WILSONART - WHITE 1570-60 MATTE FINISH



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DELAWARE RIVER & BAY AUTHORITY
151 N DUPONT HWY, NEW CASTLE, DELAWARE**

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PROJECT NO:	872.014.008	
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DRAWN BY:	FMA	
DESIGNED BY:	FMA	
CHECKED BY:	FMA	

INTERIOR DETAILS - SHEET 1 CONCESSIONS

C-A-541

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DRBA DELAWARE RIVER & BAY AUTHORITY

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DESIGNED BY:	FMA	
CHECKED BY:	FMA	

CASEWORK DETAILS - CONCESSIONS

C-A-571

FINISH MATERIALS KEY

PAINT:
 PNT1 - BENJAMIN MOORE DECORATORS WHITE CC-20
 PNT2 - BENJAMIN MOORE BLACK 2122-10
 PNT3 - BENJAMIN MOORE NOVEMBER SKIES 2128-50
 PNT4 - COLOR MATCH CT-1 TILE

CEILING TILE:
 ACT-1 - ARMSTRONG KITCHEN ZONE WHITE
 ACT-2 - ACCUFELT OPEN FRAME SYSTEM
 ACT-3 - ACCUFELT SCREEN

CERAMIC TILE:
 CT-1 - GENROSE MELODY SEA
 CT-2 - GENROSE MELODY MIST

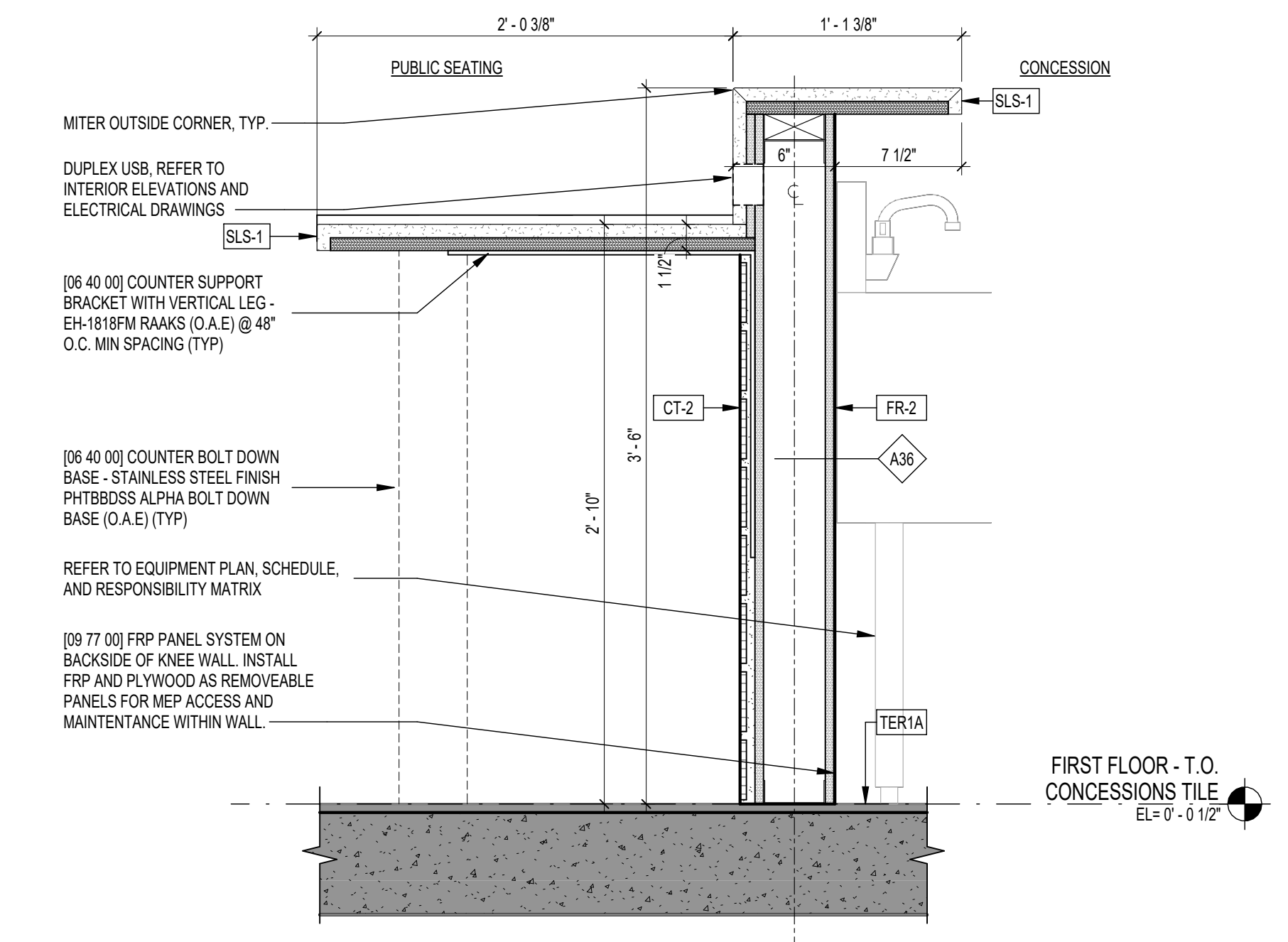
FIBER REINFORCED POLYMER PANELS:
 FR-1 - MARLITE P-199 BRIGHT WHITE PEBBLED
 FR-2 - MARLITE P-151 LIGHT GREY PEBBLED

RUBBER BASE:
 RB-1 - ROPPE STANDARD TOE WALL BASE 197 ICEBURG

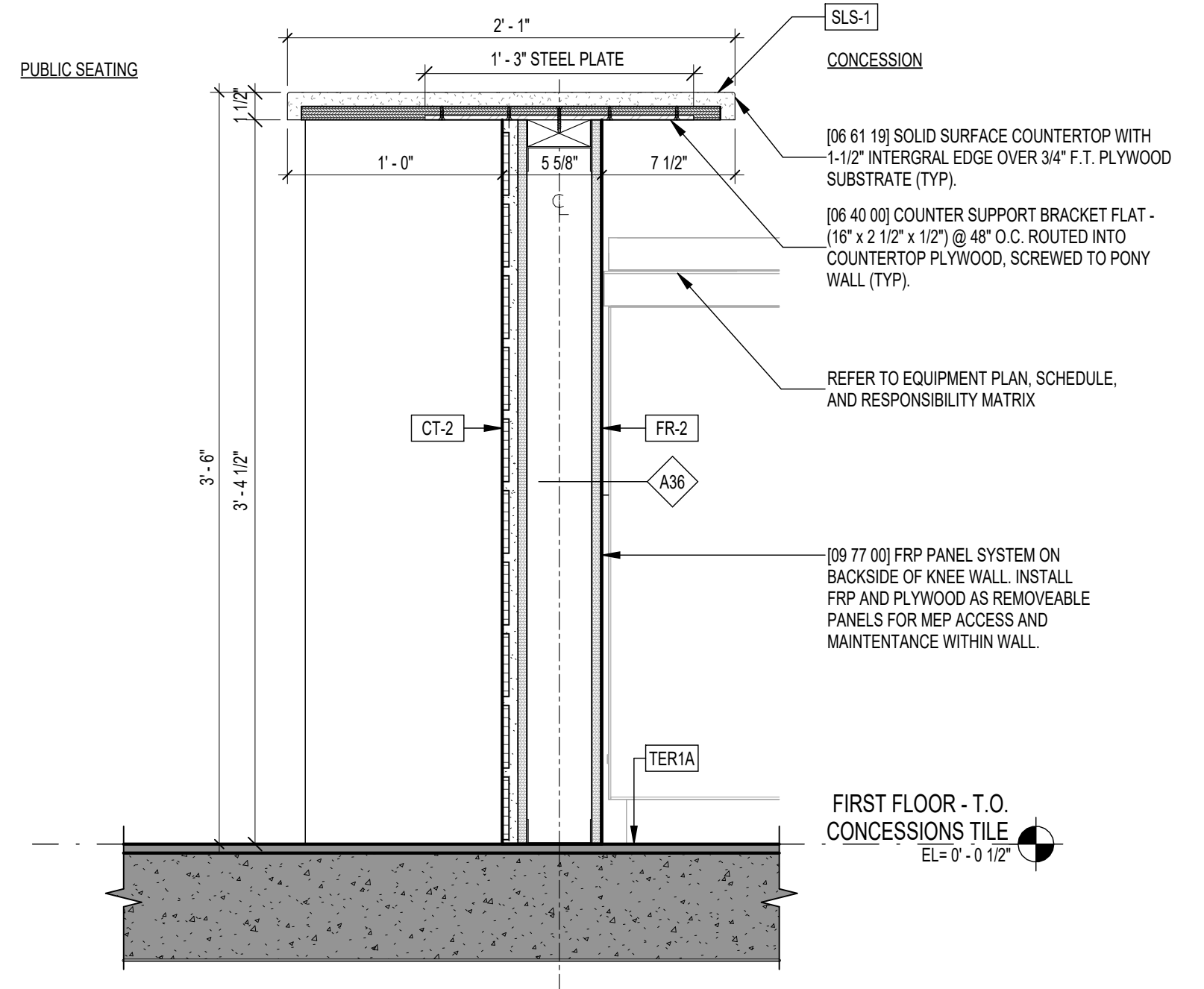
TERRAZZO TILE:
 TERA-1 - TREND ORIGINA 431 WHITE
 (EXISTING TILE WITH NONSLIP SEALER ADDED)

SOLID SURFACE:
 SLS-1 DUPONT CORIAN - DESIGNER WHITE

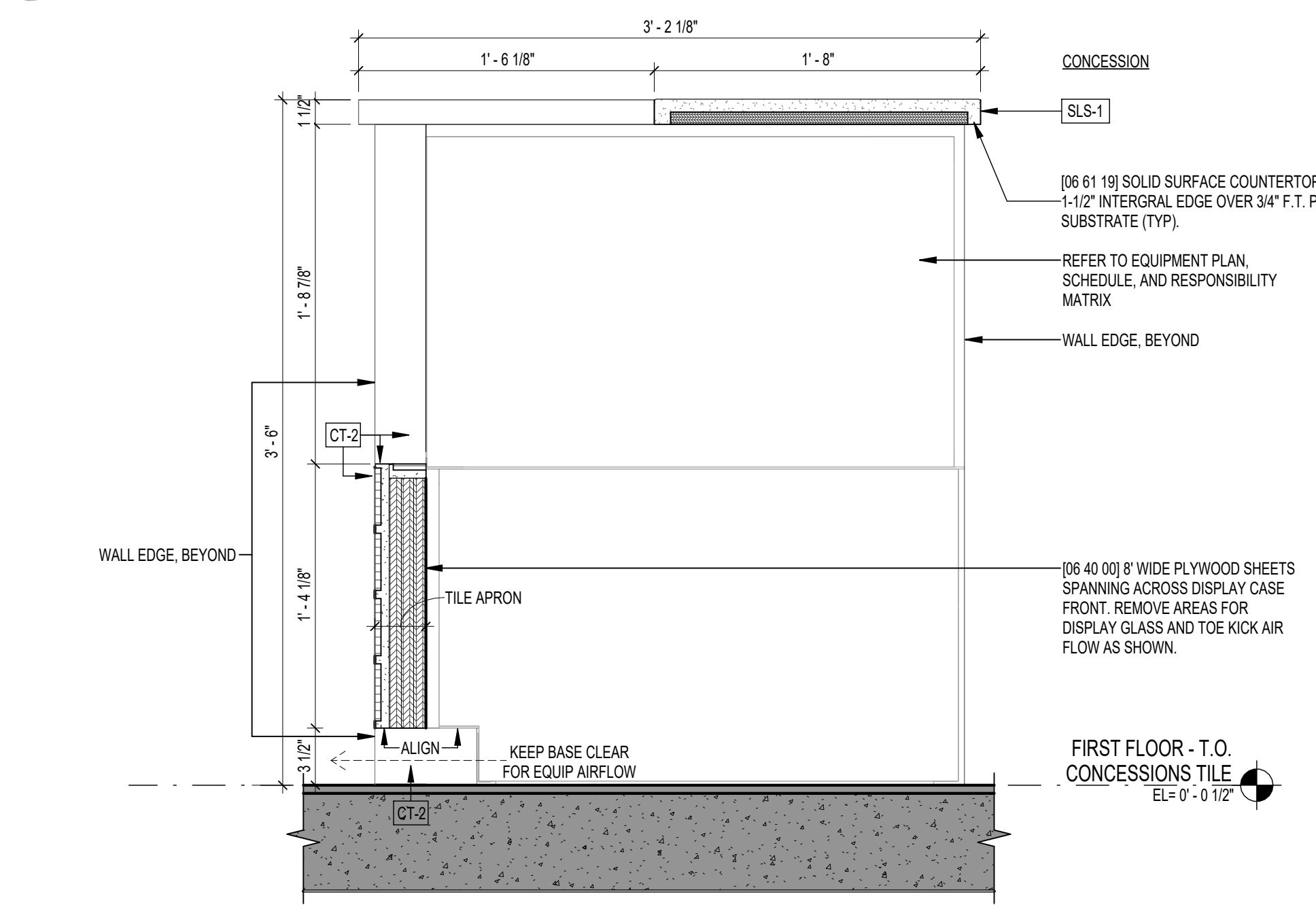
PLAM CASEWORK:
 PL-1 - WILSONART - WHITE 1570-60 MATTE FINISH



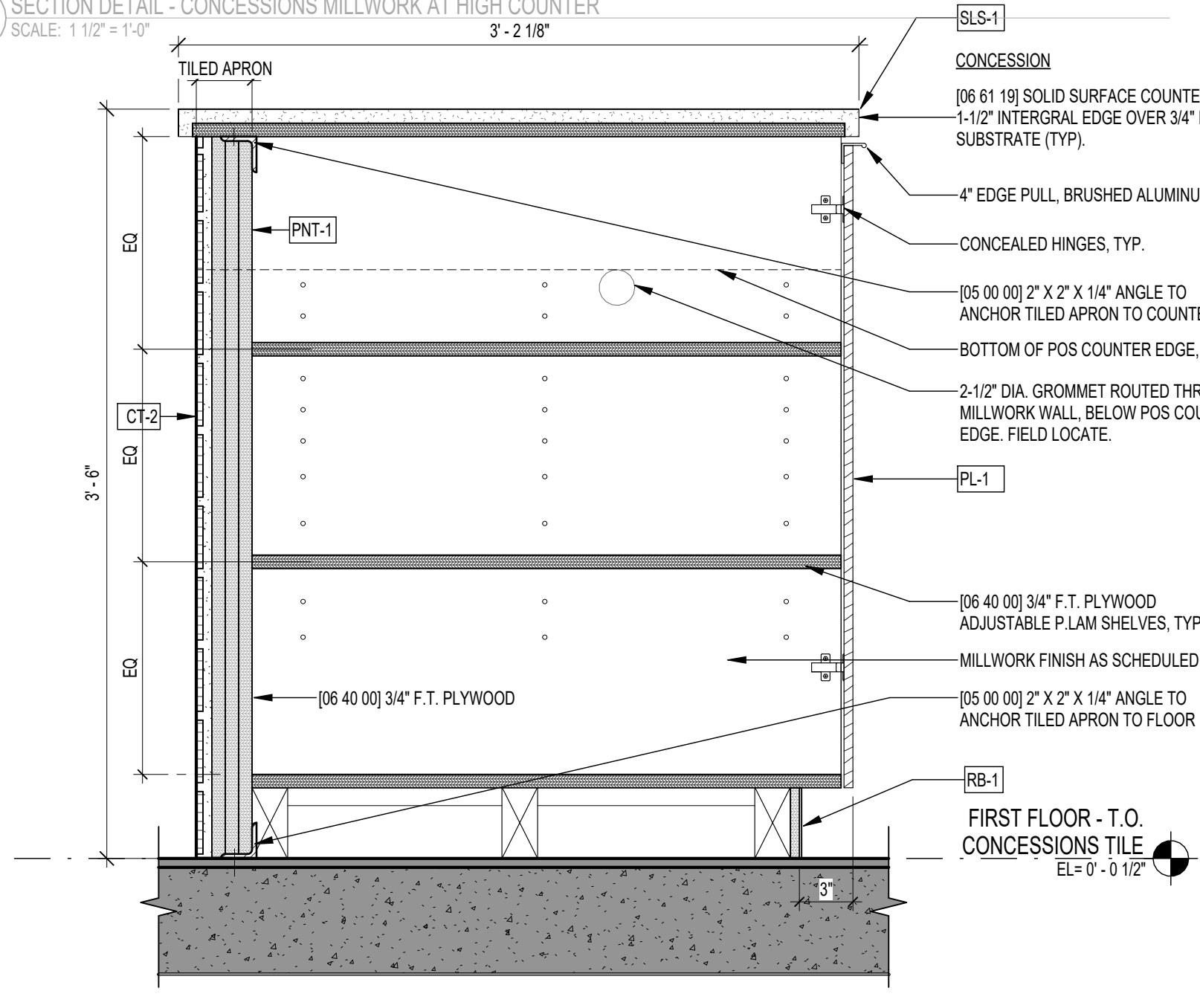
7 SECTION DETAIL - CONCESSIONS MILLWORK AT LOW COUNTER
 SCALE: 1/12" = 1'-0"



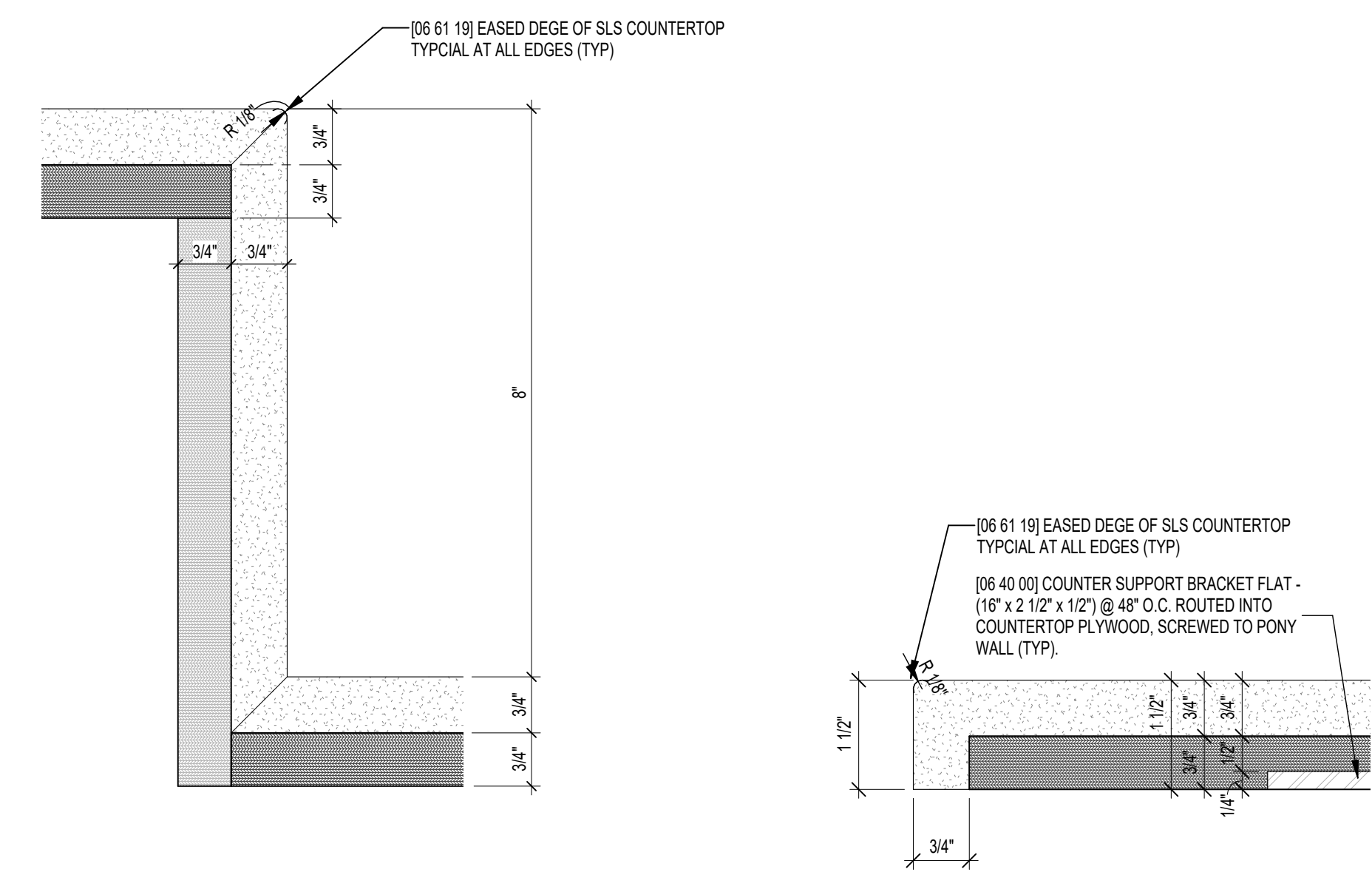
6 SECTION DETAIL - CONCESSIONS MILLWORK AT HIGH COUNTER
 SCALE: 1/12" = 1'-0"



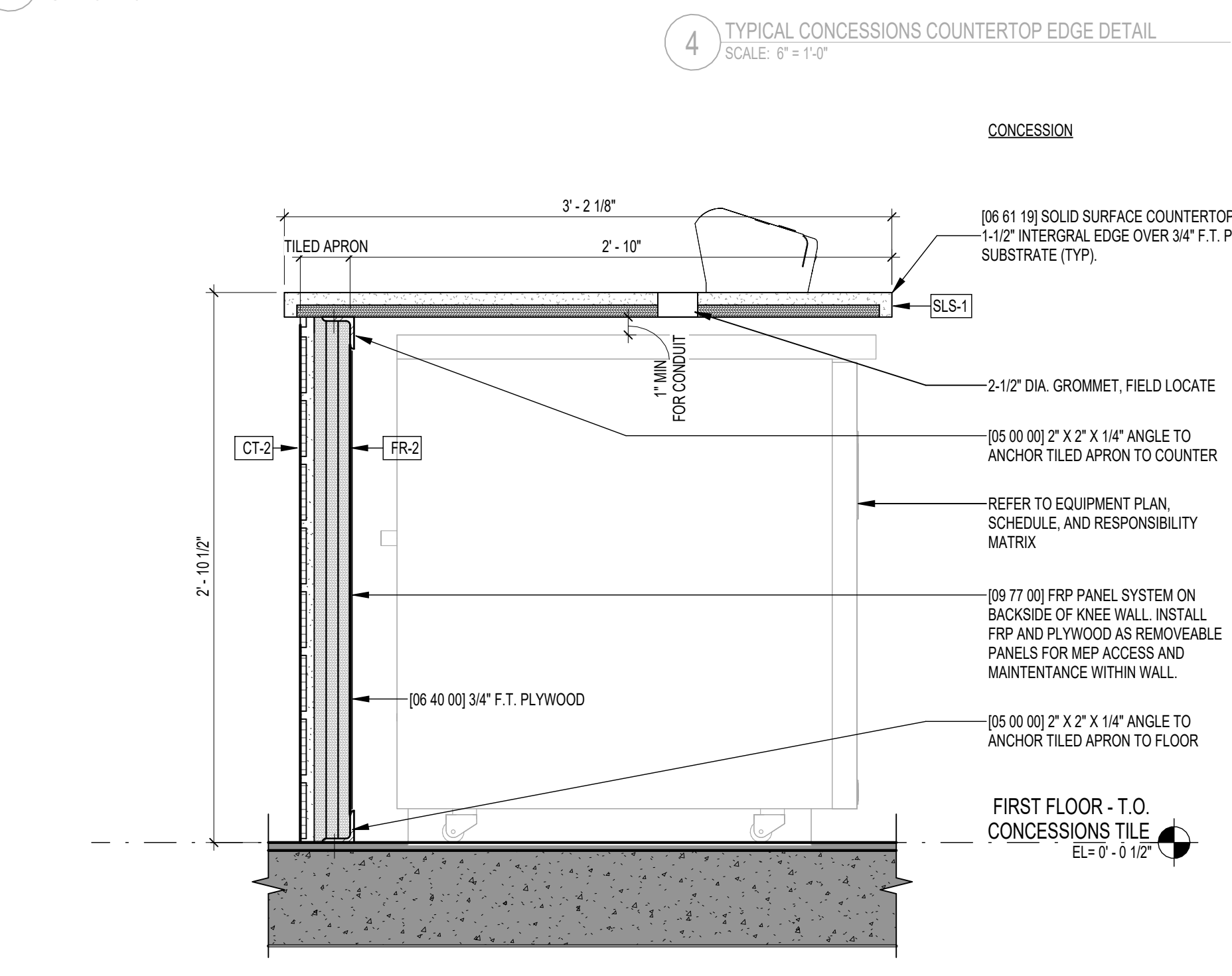
3 SECTION DETAIL - CONCESSIONS MILLWORK AT DISPLAY CASE
 SCALE: 1/12" = 1'-0"



2 SECTION DETAIL - CONCESSIONS MILLWORK AT CABINET
 SCALE: 1/12" = 1'-0"



5 TYPICAL CONCESSIONS COUNTERTOP WATERFALL DETAIL
 SCALE: 3/4" = 1'-0"



4 TYPICAL CONCESSIONS COUNTERTOP EDGE DETAIL
 SCALE: 3/4" = 1'-0"

1 SECTION DETAIL - CONCESSIONS EQUIPMENT AT UNC FRIDGE
 SCALE: 1/12" = 1'-0"

Autodesk Docs 10/2021 01008 - ILG Terminal Concessions (15/10/2023) - 2/2023.rvt



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DATE:	JUNE 2026	
DRAWN BY:	FMA	
DESIGNED BY:	FMA	
CHECKED BY:	FMA	

BASIS OF DESIGN -
CONCESSIONS KITCHEN
EQUIPMENT

C-K-100

As-built: Date: 05/20/2026 - ILG Terminal Concessions/151 N Dupont Hwy, New Castle, DE 19801

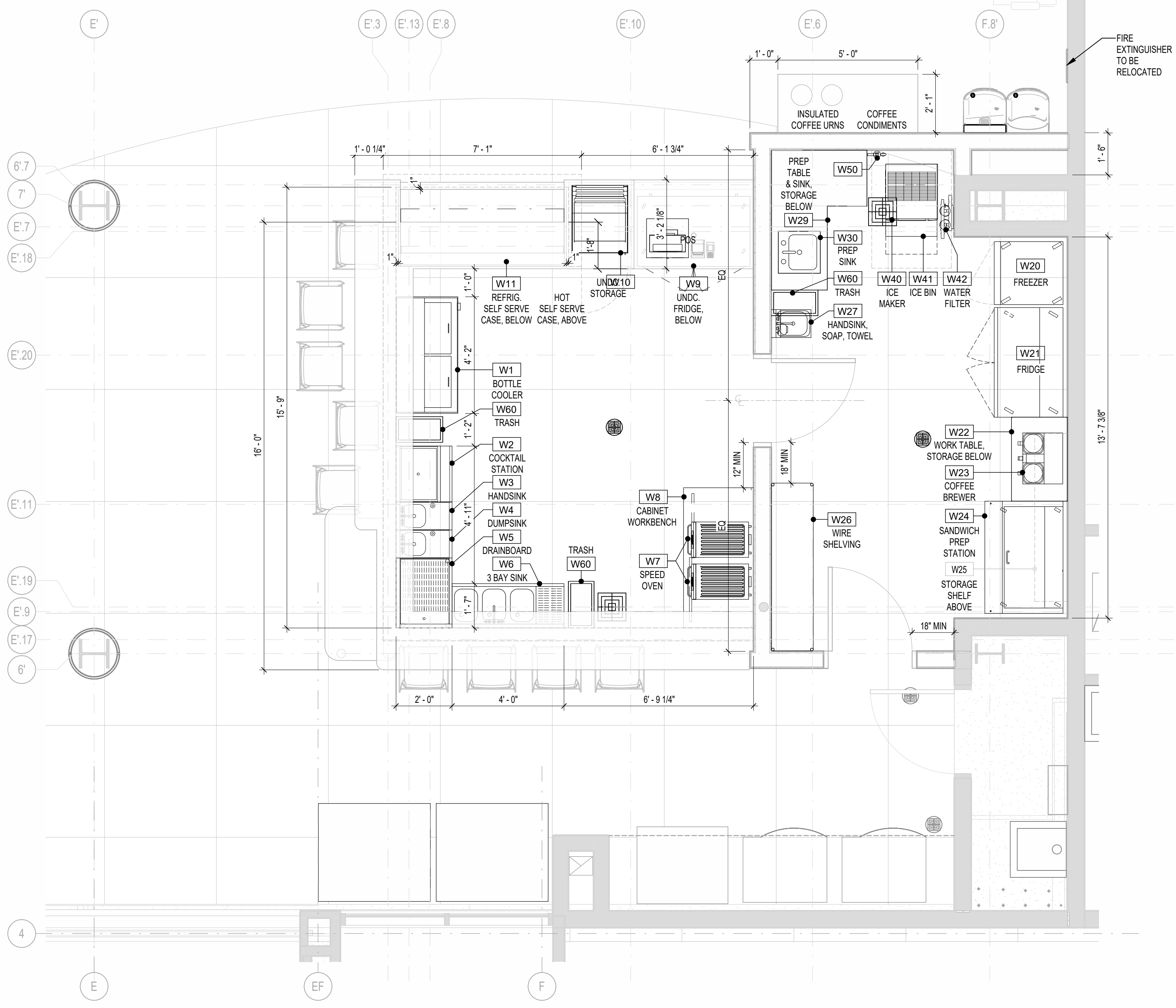
BASIS OF DESIGN - KITCHEN EQUIPMENT					
TAG	DESCRIPTION	MANUF.	Model	Plumbing Remarks	Electrical Remarks
W1	Deep-Well Horizontal Coolers	Beverage-Air	DIV48-S-24		
W2	Cocktail Station	Krowne Metal	KR16-W66A-10		
W3	Soap & Towel Hand Sink	Krowne Metal	KR24-12ST		
W4	Soap & Towel Hand Sink	Krowne Metal	KR24-12ST		
W5	Corner Drainboard	Krowne Metal	KR24-C24R		
W6	Three Compartment Bar Sink	Krowne Metal	KR19-43L		
W7	Fit Express Speed Oven	Pratica USA	FI Express		
W7	Fit Express Speed Oven	Pratica USA	FI Express		
W8	Worktable, Enclosed Base	Uline	H-9653		
W9	Undercounter Refrigerator	True Food Service Equipment, Inc.	T1UC-48-HC		200-240/50/1
W10	Countertop Case, Hot	Federal Industries	CH2428SSD		
W11	Refrigerated Service Case	Structural Concepts	NR3640RSV		
W20	Reach-In Freezer	True Food Service Equipment, Inc.	T-29F-HC		
W21	Reach-In Refrigerator	True Food Service Equipment, Inc.	T-149-HC		
W22	Stainless Steel Worktable	Uline	H-9643		
W23	Brewer	Felco	CBS-2250		
W24	Sandwich Prep Station	True Food Service Equipment, Inc.	TFP-48-18M		
W25	Wall-Mount Wire Shelving	Uline	H-4795		
W25	Wall-Mount Wire Shelving	Uline	H-4795		
W26	Wire Shelving	Uline	H-2943-86		
W27	Hand Sink with Soap & Towel Dispenser	Krowne Metal	HS-37		
W29	Stainless Steel Worktable	Custom - see spec			
W30	Prep Sink	custom - see plumbing spec			
W40	Ice Maker, Cube Style	Ice-O-Matic	CMX320A		
W41	Ice Bin	Ice-O-Matic	B42PS		
W42	Water Filter Assembly	Ice-O-Matic (refer to cut sheet)	IFD2		
W50	Dry Chemical Portable Fire Extinguisher	Nystrom	EX-3005-3		
W60	Trash Bin	Uline	H-5148		
W60	Trash Bin	Uline	H-5148		
W60	Trash Bin	Uline	H-5148		
W70	Cash Drawer				
W71	POS				

FF&E GENERAL NOTES:

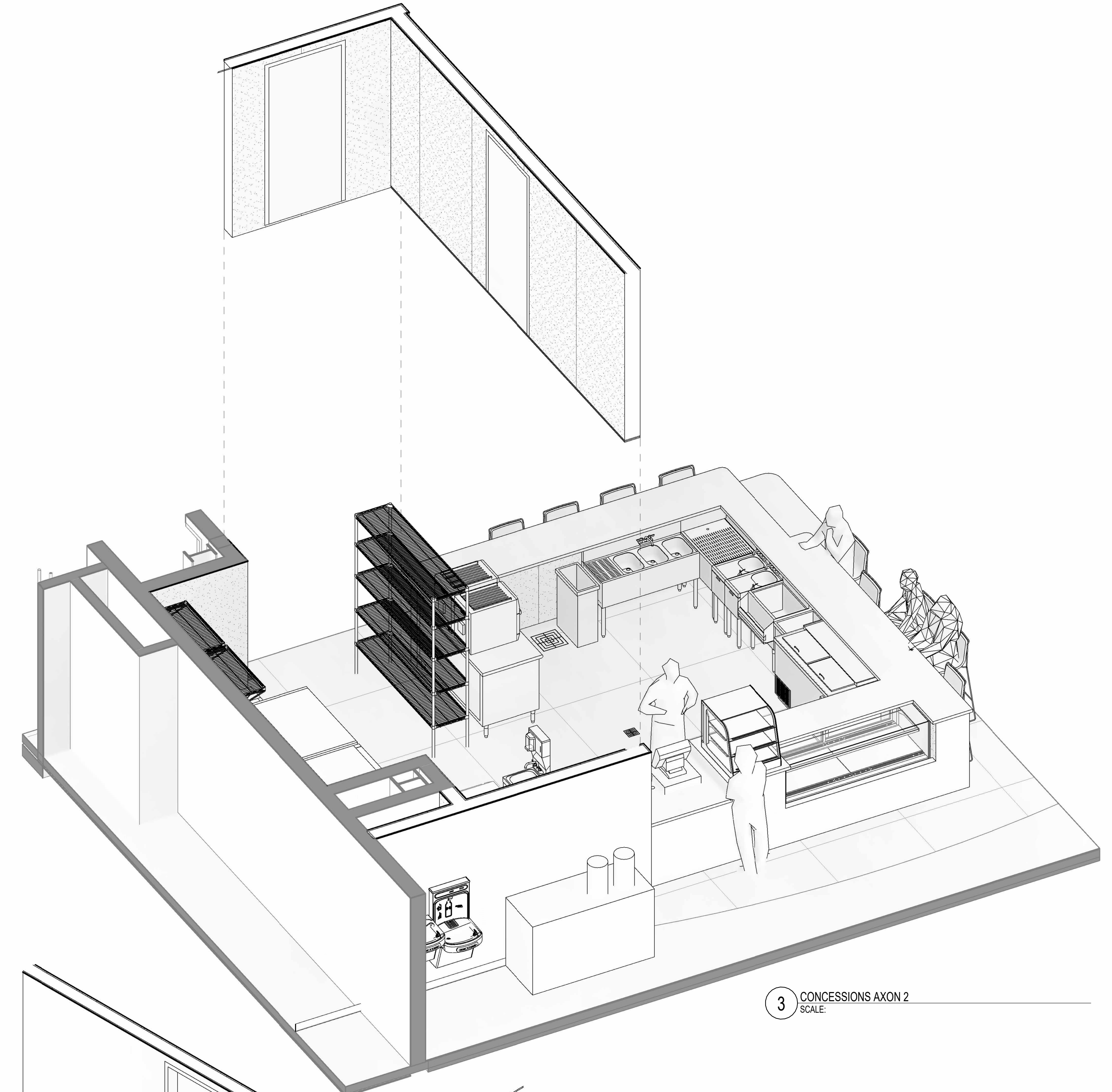
- EQUIPMENT SPECIFICATIONS AND COUNTS SHOWN FOR DESIGN INTENT ONLY AND SHOULD NOT BE USED FOR ORDERING. COORDINATE ALL EQUIPMENT COUNTS, LOCATIONS AND SPECIFICATIONS WITH CLIENT PRIOR TO FINALIZING.
- COORDINATE SIZES OF ALL REQUIRED ASSOCIATED EQUIPMENT WITH CLIENT PRIOR TO ORDERING/FABRICATING ALL MILLWORK/FIXTURES.
- GO TO VERIFY COUNT BEFORE ORDERING AND NOTIFY ARCHITECT OF RECORD OF ANY DISCREPANCY.
- GC IS RESPONSIBLE FOR ALL BLOCKING AND STRUCTURE NEEDED FOR EQUIPMENT SUPPORTS.
- G.C. TO COORDINATE ALL FLOOR PENETRATIONS WITH FOOD SERVICE EQUIPMENT LAYOUT AND VERIFY IN FIELD WITH STRUCTURE BELOW. G.C. TO GET FAMILIAR WITH EXISTING STRUCTURE LAYOUT BELOW SLAB AND REPORT ANY CONFLICTS WITH PENETRATIONS THAT MAY EFFECT STRUCTURE TO ARCHITECT.
- REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR MORE INFORMATION ON FSE CONNECTION REQUIREMENTS.

RESPONSIBILITY MATRIX				
	RELOCATE EXIST	REMOVE	PROCURE	INSTALL NEW
KITCHEN EQUIPMENT	N/A	N/A	OWNER	CONTRACTOR
KITCHEN SINKS	N/A	N/A	CONTRACTOR	CONTRACTOR
DRINKING FOUNTAIN	CONTRACTOR	N/A	N/A	N/A
VENDING	OWNER	N/A	N/A	N/A
FURNITURE	CONTRACTOR	N/A	OWNER	OWNER
POS EQUIPMENT	N/A	N/A	OWNER	OWNER

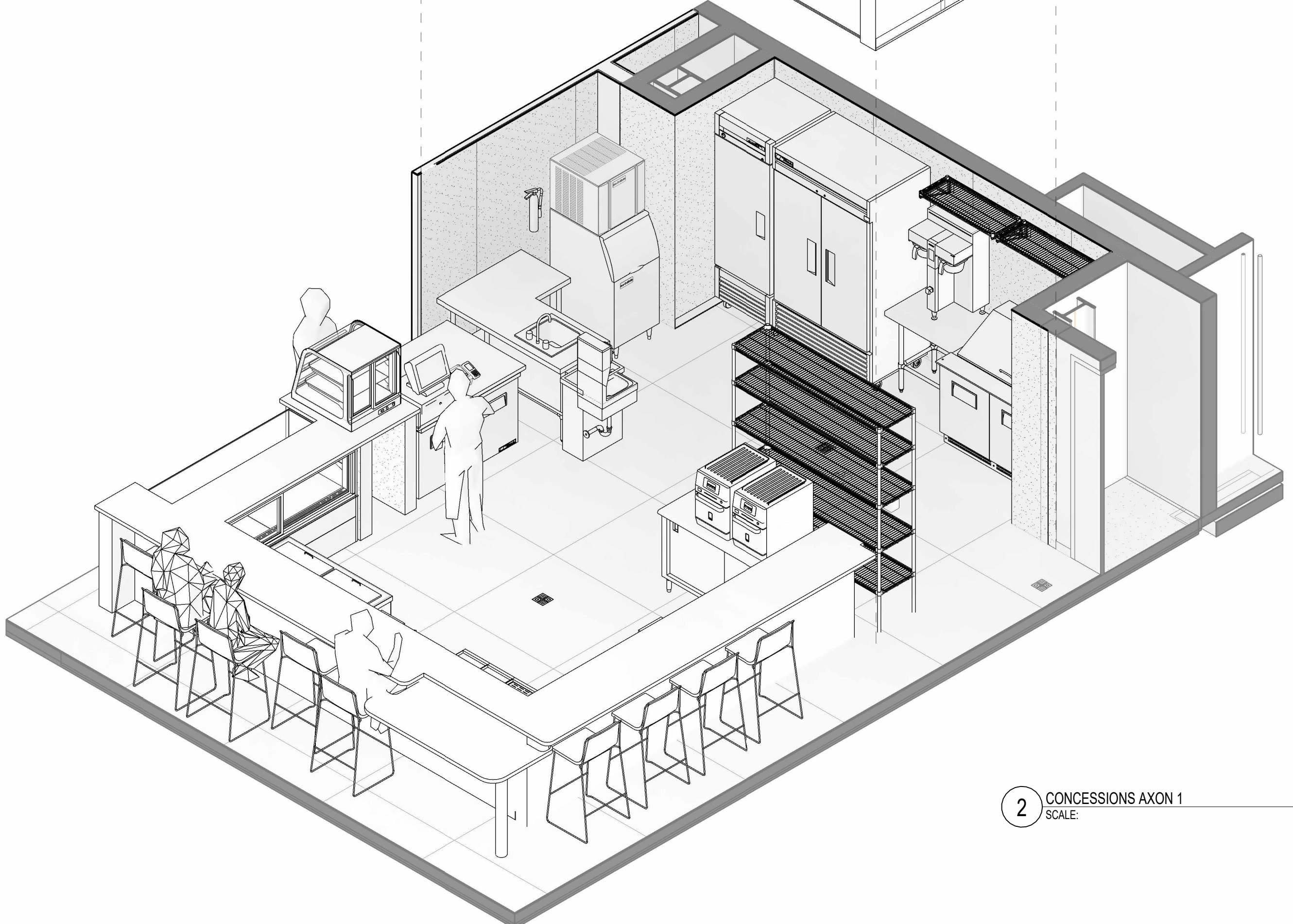
* relocate existing includes work for removal, relocation, and installation as needed
* relocate existing includes verifying with owner



1 CONCESSIONS EQUIPMENT LAYOUT
SCALE: 3/8" = 1'-0"



3 CONCESSIONS AXON 2
SCALE:



2 CONCESSIONS AXON 1
SCALE:

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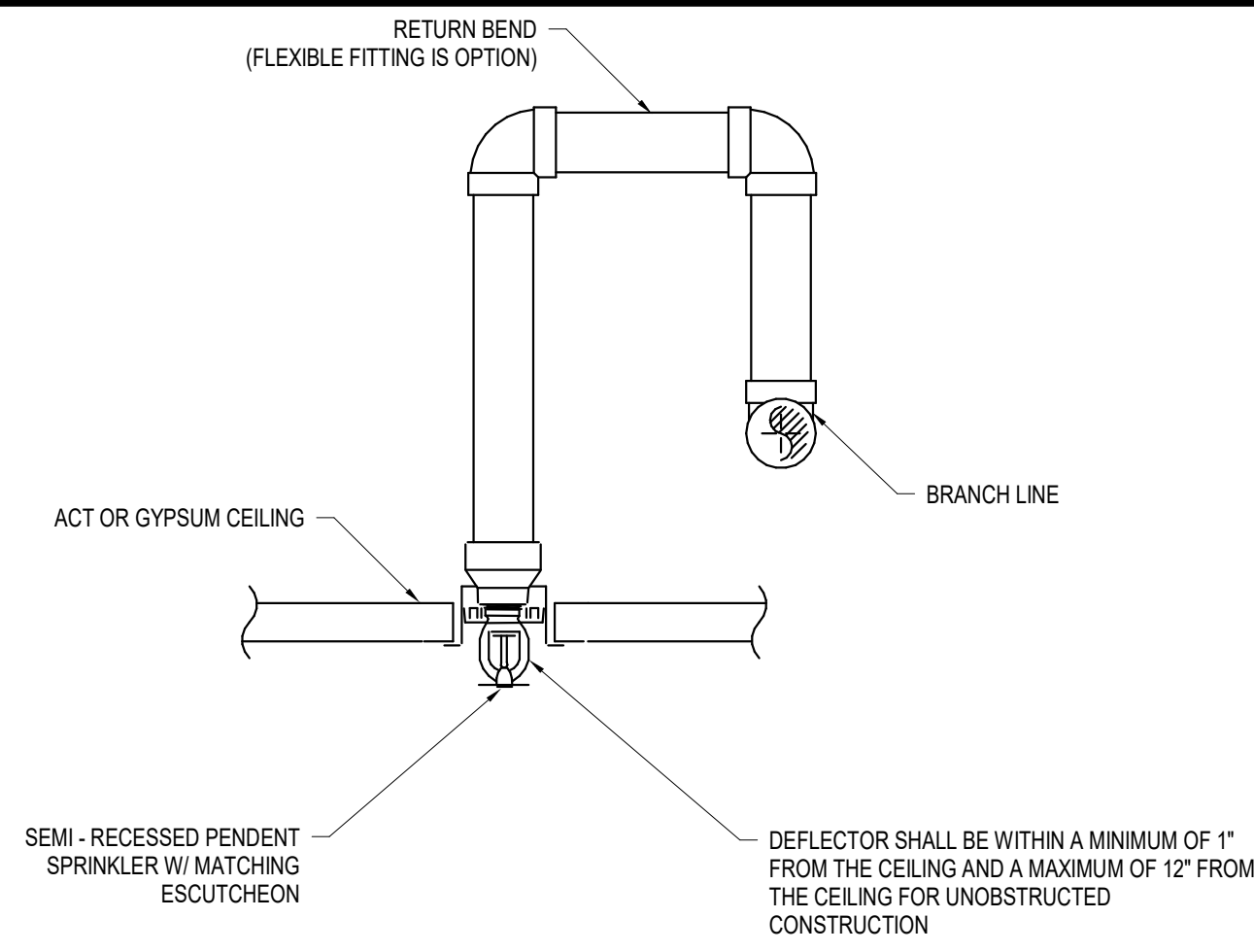
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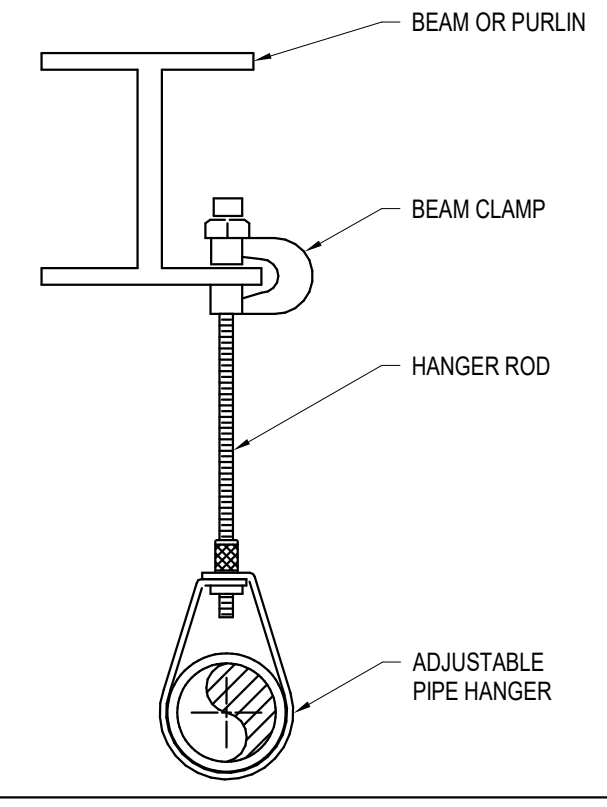
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5



HANGER SPACING CHART	
PIPE SIZE	MAXIMUM HANGER SPACING
1 1/4" OR SMALLER	8'-0"
1 1/2" TO 3"	10'-0"
4" TO 5"	12'-0"
6" OR LARGER	15'-0"

ROD SIZE CHART	
PIPE SIZE	ROD SIZE
4" OR SMALLER	3/8"
5", 6" OR 8"	1/2"
10" & 12"	5/8"



E4 SEMI RECESSED PENDENT SPRINKLER DETAIL
SCALE: NOT TO SCALE

E5 BEAM CLAMP PIPE HANGER DETAIL
SCALE: NOT TO SCALE

SPRINKLER BRANCH PIPE SIZING TABLE FOR USE IN HYDRAULIC CALCULATIONS (UNLESS NOTED OTHERWISE)	
1"	FEEDS 1 SPRINKLER
1 1/4"	FEEDS 3 SPRINKLERS
1 1/2"	FEEDS 5 SPRINKLERS
2"	FEEDS 10 SPRINKLERS

FOR SPRINKLERS SHOWN WITH NO PIPING INDICATED, PROVIDE PIPE AND ALL ASSOCIATED MATERIAL, SIZED IN ACCORDANCE WITH TABLE ABOVE.

- PIPING/EQUIPMENT TO BE REMOVED
- PENDENT SPRINKLER
- UPRIGHT SPRINKLER
- ▼ SIDE WALL SPRINKLER
- ⊙ SPRINKLER WITH GUARD
- ⊕ DROP CONNECTION, RISE CONNECTION
- ⤴ PIPE DOWN
- ⤵ PIPE UP
- ⌋ CAP OR PLUG
- ⊙ CONNECT TO EXISTING
- ⊘ DISCONNECT FROM EXISTING

D3 PIPE SIZE SCHEDULE & FLOW TEST DATA
SCALE: NOT TO SCALE

D4 FIRE PROTECTION SYMBOL LIST
SCALE: NOT TO SCALE

SPRINKLER SYSTEM DESIGN INFORMATION	
AREA OF SPRINKLER OPERATION:	1,500 SQ.FT.
OCCUPANCY:	LIGHT HAZARD
DENSITY:	LH: 0.10 GPM/SQ.FT. OH: 0.15 GPM/SQ.FT.
SPRINKLER MAX. SPACING:	5.6K, 112" ORIF. (SPACING SEE NOTES)
HOSE ALLOWANCE:	(SEE NOTES)
SYSTEM REQUIREMENTS:	WATER FLOW TEST POINT - XXX GPM @ XXX PSI
SAFETY FACTOR:	MIN. 10 PSI

NOTE: FLOW TEST BY CONTRACTOR

C4 WATER INFORMATION BLOCK
SCALE: NOT TO SCALE

SCOPE OF WORK:

THE SCOPE OF WORK SHALL INCLUDE THE FOLLOWING:

- THE LAYOUT, INSTALLATION, AND TESTING OF NEW FIRE PROTECTION, AUTOMATIC WET-PIPE SPRINKLER SYSTEMS THROUGHOUT THE RENOVATION AREA.
- PRIOR TO THE INSTALLATION OF ANY PIPING OR SPRINKLERS, PERFORM VISUAL INTERNAL OBSTRUCTION INVESTIGATION AND COMPLETE FLUSHING PROCEDURE ON EXISTING SPRINKLER MAINS, BRANCH PIPING, AND STANDPIPE PIPING TO BE REUSED IN ACCORDANCE WITH NFPA 25. NOTIFY OWNER'S REPRESENTATIVE OF ANY OBSTRUCTIONS OR CORROSION THAT MAY EXIST. DOCUMENT ALL CONDITIONS IN DIGITAL REPORT INCLUDING PHOTOS FOR ALL LOCATIONS TESTED.
- SUBMISSION OF DOCUMENTATION AS REQUIRED.

APPLICABLE CODES:

- 2021 INTERNATIONAL BUILDING CODE.
- 2021 INTERNATIONAL FIRE CODE.
- NFPA 13 - 2013, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

DESIGN CRITERIA:

- THE DESIGN DOCUMENTS PROVIDED HEREIN IDENTIFY THE MINIMUM SYSTEM REQUIREMENTS, IN ACCORDANCE WITH THE ABOVE REFERENCED CODES AND REGULATIONS.
- PROVIDE A COMPLETE AUTOMATIC WET-PIPE SPRINKLER SYSTEM FOR AREAS INDICATED. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH NFPA 13. REFER TO DIVISION 21 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
 - A. CORRIDORS, OFFICES, LOUNGES, AND SIMILAR SPACES: LIGHT HAZARD, QUICK RESPONSE SPRINKLERS, 0.10 GPM/SQ.FT. OVER 1,500 SQ.FT., 100 GPM HOSE STREAM.
 - B. STORAGE, MECHANICAL/ELECTRICAL, AND SIMILAR SPACES: ORDINARY HAZARD GROUP I, QUICK RESPONSE SPRINKLERS, 0.15 GPM/SQ.FT. OVER 1,500 SQ.FT., 250 GPM HOSE STREAM.
- PERFORM AND DOCUMENT WATER FLOW TEST IN ACCORDANCE WITH NFPA 291. SEE CIVIL DRAWINGS FOR LOCATION OF WATER MAIN AND INFORMATION ON PUBLIC WATER SUPPLY CHARACTERISTICS.
- PIPING SHOWN IS DIAGRAMMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR FINAL SPRINKLER SYSTEM PIPE LAYOUT AND SIZING HYDRAULIC CALCULATIONS, AND COORDINATION WITH OTHER TRADES.
- PROVIDE MINIMUM 10 PSI HYDRAULIC SAFETY FACTOR.
- CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE ENGINEER OF RECORD (THROUGH THE APPROPRIATE PARTIES) COMPLETE SHOP DRAWINGS OF THE FIRE SPRINKLER SYSTEMS, MATERIAL DATA, AND CALCULATIONS AT THE SAME TIME. INCOMPLETE SUBMITTALS WILL BE RETURNED WITHOUT REVIEW. SHOP DRAWINGS SHALL INCLUDE, AT MINIMUM, WORKING PLANS WITH HYDRAULIC CALCULATIONS, AND COORDINATION WITH OTHER TRADES.

GENERAL NOTES:

- ALL SPRINKLER AND SYSTEM COMPONENTS SHALL COMPLY WITH THE LISTING AND/OR PERFORMANCE REQUIREMENTS OF NFPA 13.
- INSTALLATION PERSONNEL SHALL BE SUPERVISED BY PERSONS WHO ARE QUALIFIED AND EXPERIENCED IN THE INSTALLATION, INSPECTION, AND TESTING OF FIRE SPRINKLER SYSTEMS.
- COORDINATE SPRINKLERS WITH ALL OTHER TRADES TO AVOID CONFLICTS. (SUCH AS LIGHTS, CEILING FANS, HVAC DUCTS AND GRILLS, ETC.) IN CEILINGS WITH ACT, CENTER SPRINKLERS IN TILES.
- ALL PIPING SHALL BE BLACK STEEL.
- PIPING SHALL BE INSTALLED CONCEALED ABOVE FINISHED CEILINGS UNLESS NOTED OTHERWISE.
- PIPING SHALL BE INSTALLED EXPOSED IN UNFINISHED CEILING AREAS UNLESS NOTED OTHERWISE. LOCATE PIPING TIGHT TO STRUCTURE AND ABOVE OTHER SYSTEMS WHERE POSSIBLE. ALL EXPOSED PIPING IN FINISHED ROOM AREAS ARE SUBJECT TO OWNER'S REPRESENTATIVE'S REVIEW.
- SPRINKLER VALVE TAMPER SWITCHES AND WATER FLOW SWITCHES SHALL BE PROVIDED BY FIRE SUPPRESSION CONTRACTOR. FIRE ALARM CONTRACTOR SHALL PROVIDE, INSTALL, WIRE, AND PROGRAM MONITOR MODULES.
- ALL PENETRATIONS THROUGH FIRE/SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE OF UL LISTED ASSEMBLY.

B5 FIRE PROTECTION GENERAL NOTES
SCALE: NOT TO SCALE

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DRBA DELAWARE RIVER & BAY AUTHORITY

ILG TERMINAL DEPARTURE LOUNGE CONCESSION DELAWARE RIVER & BAY AUTHORITY 151 N DUPONT HWY, NEW CASTLE, DELAWARE

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	872.014.008	
DATE:	JUNE 2026	
DRAWN BY:	S.P. ZAFERAKIS	
DESIGNED BY:	S.P. ZAFERAKIS	
CHECKED BY:	B.R. DONNER	

FIRE PROTECTION NOTES, SYMBOLS AND ABBREVIATIONS AND DETAILS

C-F-001

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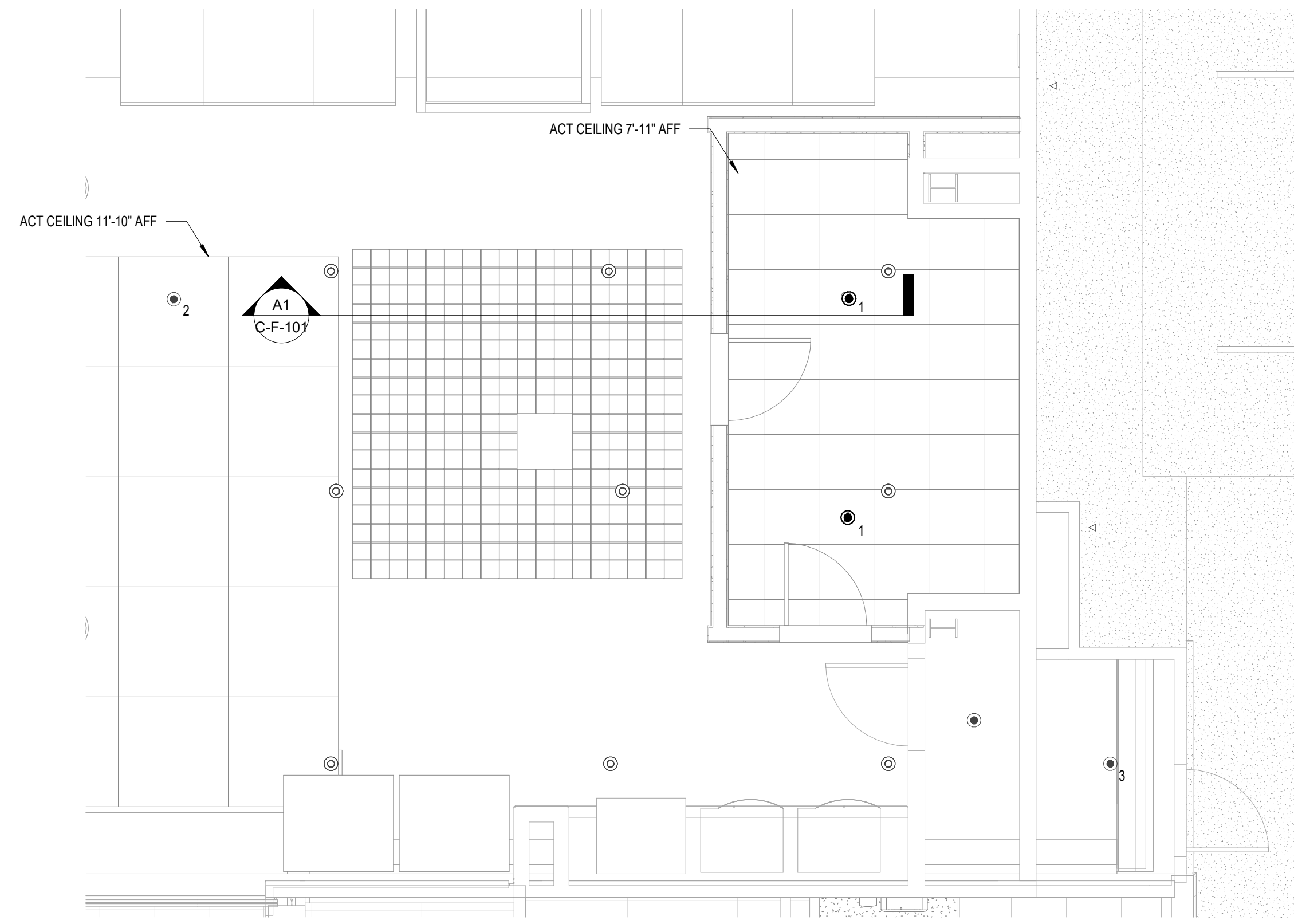
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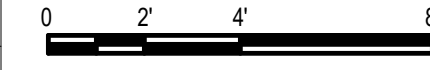
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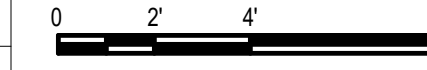
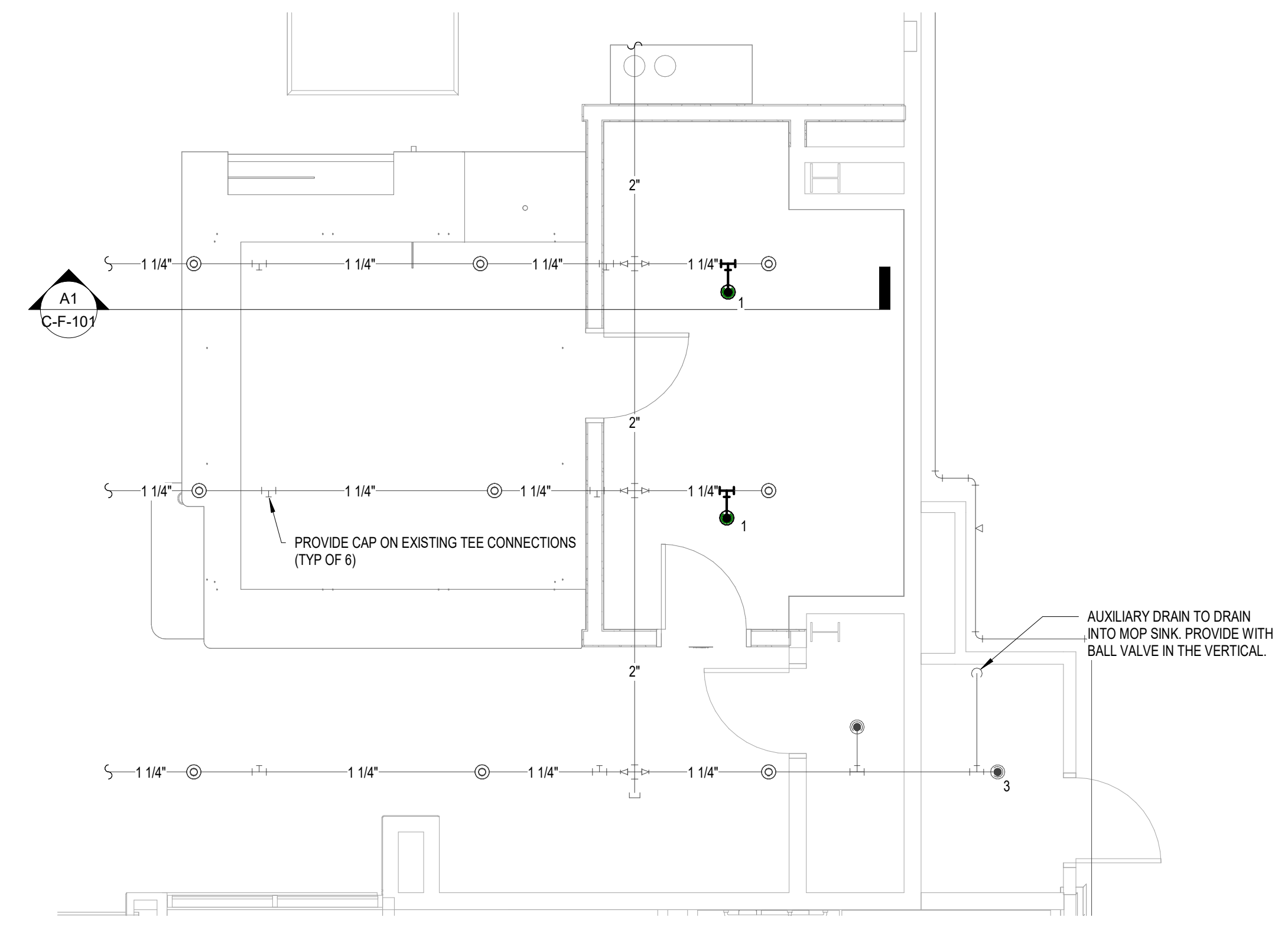
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D1 FIRST FLOOR CEILING PLAN - PROPOSED
SCALE: 1/4" = 1'-0"



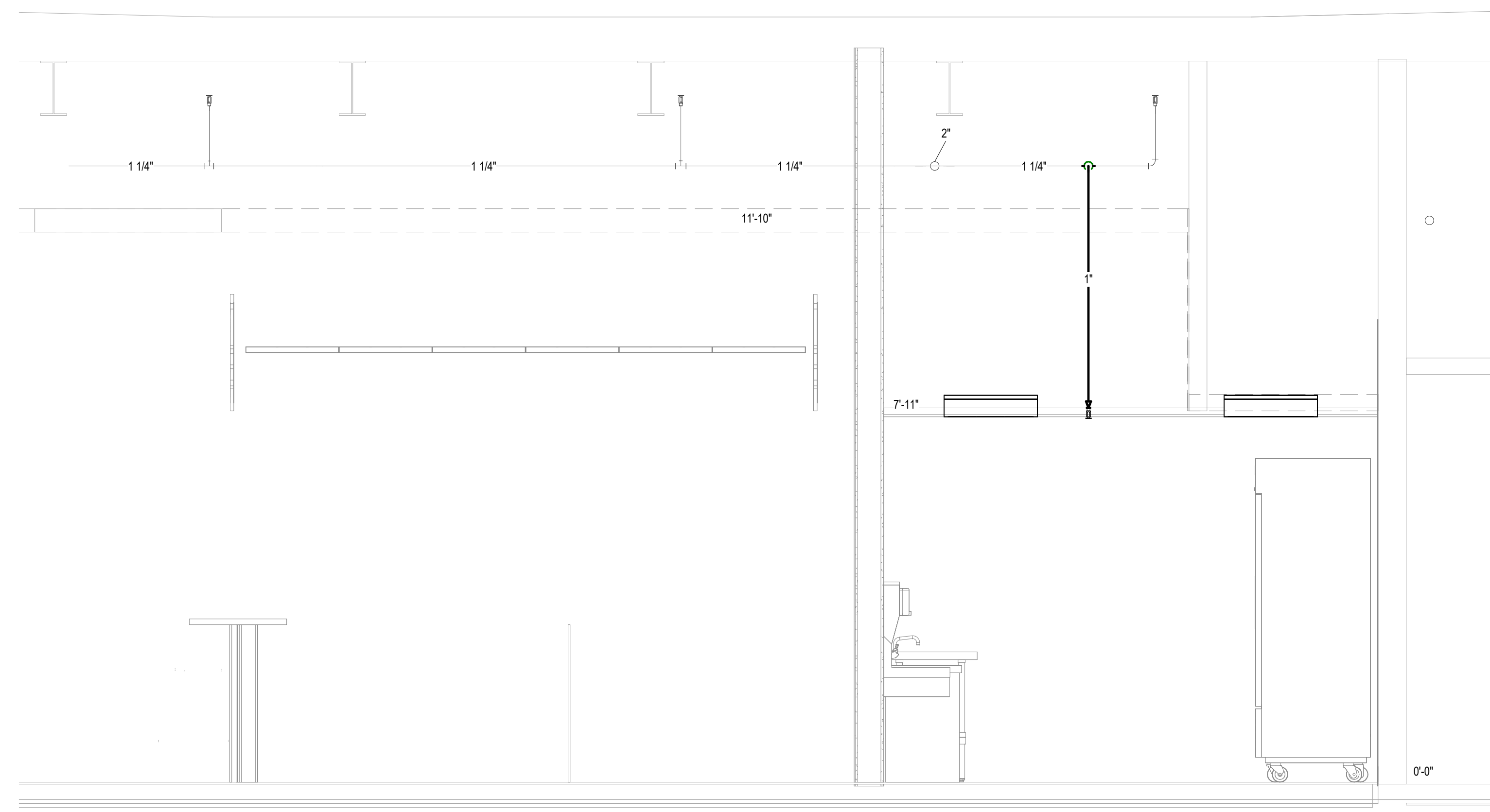
D3 FIRE PROTECTION FIRST FLOOR PLAN - PROPOSED
SCALE: 1/4" = 1'-0"



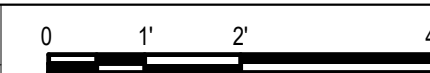
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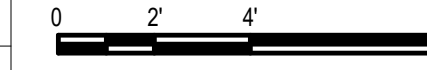
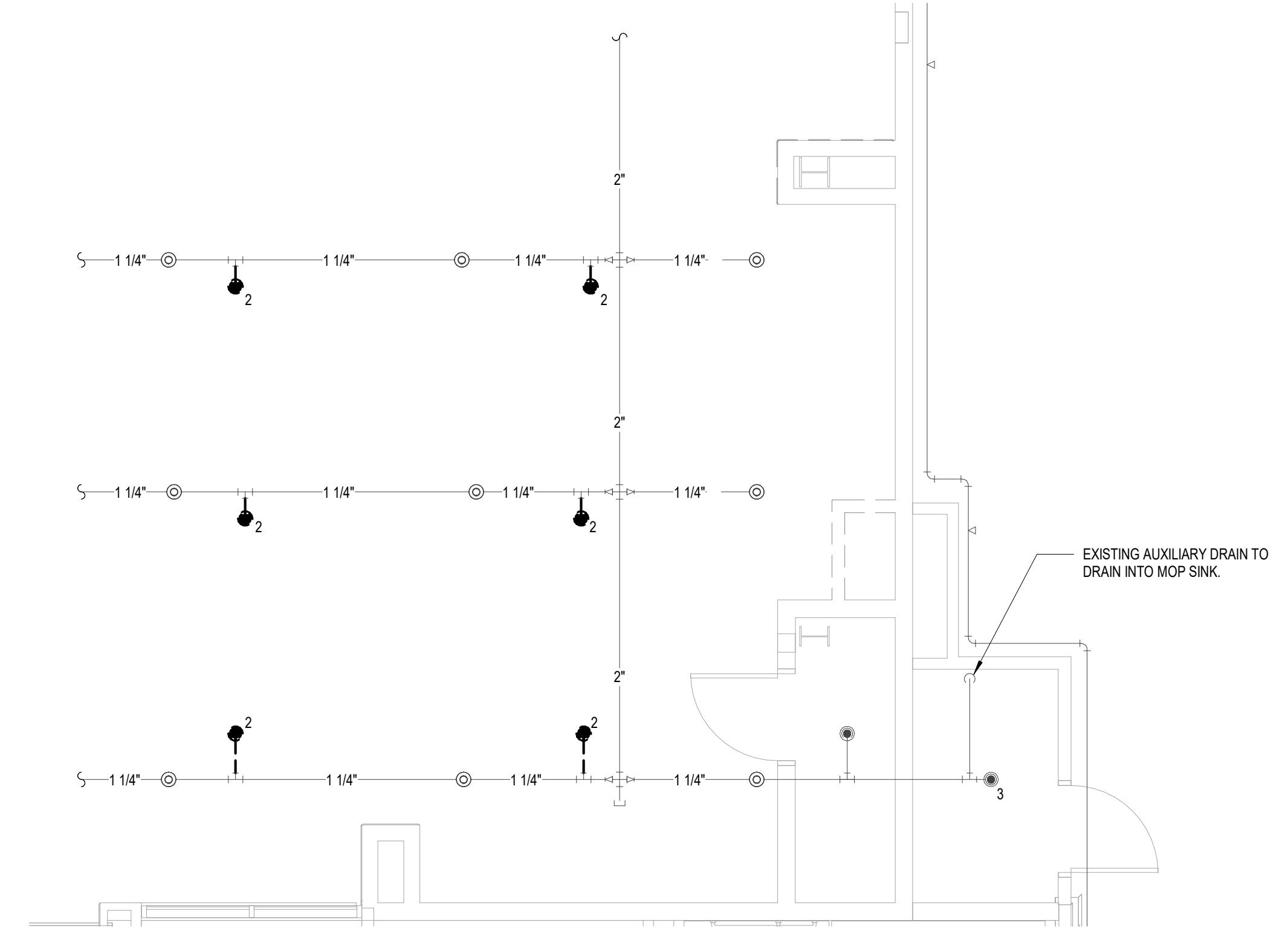
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A1 ENLARGED CONCESSION PLAN
SCALE: 1/2" = 1'-0"



B3 FIRE PROTECTION FIRST FLOOR PLAN - EXISTING
SCALE: 1/4" = 1'-0"



- 1 PENDENT SPRINKLER LOCATED IN 7'-11" ACT CEILING
- 2 EXISTING PENDENT SPRINKLER LOCATED IN 11'-10" ACT CLOUD CEILING TO BE REMOVED
- 3 EXISTING PENDENT SPRINKLER LOCATED IN 12'-6" ACT CEILING
- EXISTING UPRIGHT SPRINKLER LOCATED ABOVE 11'-10" ACT CLOUD CEILING

A3 FIRE PROTECTION SYMBOLS
SCALE: NOT TO SCALE



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**ILG TERMINAL DEPARTURE LOUNGE
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DELAWARE RIVER & BAY AUTHORITY
151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		

FIRE PROTECTION PLANS

C-F-101

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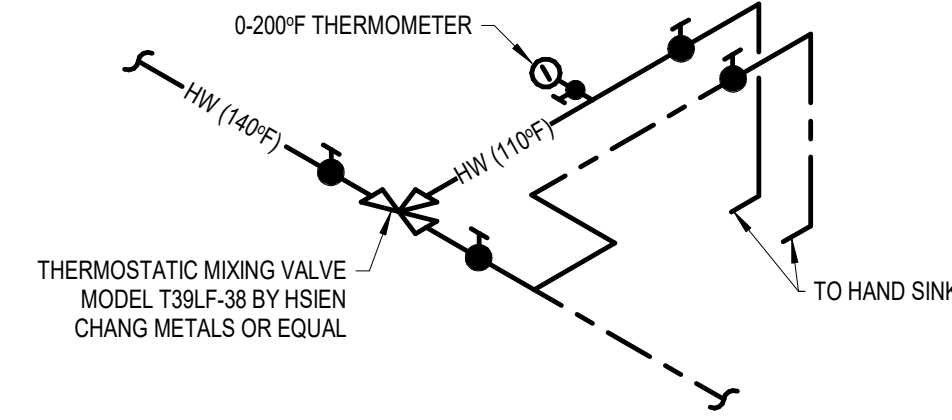
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E

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1. ALL BELOW SLAB PIPING SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY PIPE STUB UP LOCATIONS. REMOVE EXISTING TILE AS REQUIRED. REFER TO ARCHITECTURAL PLANS FOR REMOVAL AND RESTORATION DETAILS.



--- DCW ---	DOMESTIC COLD WATER
--- DHW ---	DOMESTIC HOT WATER (110 °F)
--- DHWR ---	DOMESTIC HOT WATER RECIRCULATION (110 °F)
--- FO ---	FUEL OIL
--- SD ---	SUMP DISCHARGE
--- G ---	NATURAL GAS
--- W ---	WASTE
--- GW ---	GREASE WASTE
--- SAN ---	SANITARY
--- RL ---	RAIN LEADER
--- ST ---	STORM
--- V ---	VENT

E1 PLUMBING NOTES

SCALE: NOT TO SCALE

E2 HAND SINK MIXING VALVE

SCALE: NOT TO SCALE

E3 PIPE LEGEND

SCALE: NOT TO SCALE

D

D

SA	SHOCK ABSORBER	VTR	VENT THRU ROOF
RL	RAIN LEADER	WC	WATER CLOSET
RD	ROOF DRAIN	UR	URINAL
FD	FLOOR DRAIN	LAV	LAVATORY
DPKO	DECK PLATE CLEANOUT	EWC	ELECTRIC WATER COOLER
WPCO	WALL PLATE CLEANOUT	MB	MOP BASIN
BFF	BELOW FINISHED FLOOR	EWB	ELECTRIC WATER HEATER
AAV	AIR ADMITTANCE VALVE	BFS	BOTTLE FILL STATION

	CHECK VALVE		PIPE DOWN
	CONNECT TO EXISTING		PIPE UP
	FLOOR CLEAN OUT		PUMP
	FLOOR DRAIN		ROOF DRAIN
	FLOOR SINK		THREE WAY VALVE
	HOSE BIB		TEE DOWN
	BALL VALVE		TEE UP
	PIPE BREAK/CONTINUATION		

D1 PLUMBING ABBREVIATIONS

SCALE: NOT TO SCALE

D2 PLUMBING SYMBOL LEGEND

SCALE: NOT TO SCALE

C

C

B

B

A

A



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151 N DUPONT HWY, NEW CASTLE, DELAWARE

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	872.014.008	
DATE:	JUNE 2026	
DRAWN BY:	N. HLUDZENSKI	
DESIGNED BY:	J. DELEO	
CHECKED BY:	F.K. NEILEY, P.E.	

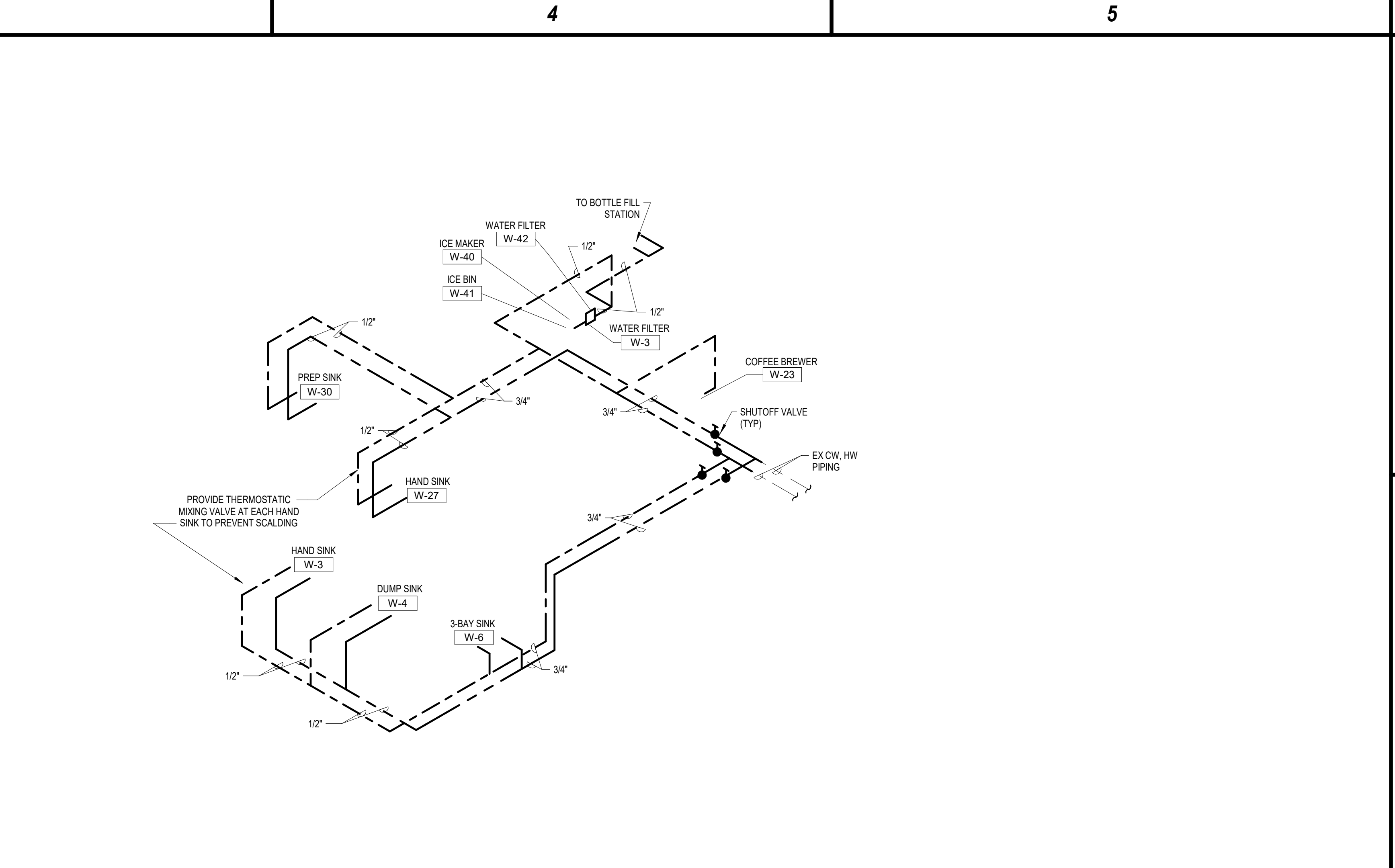
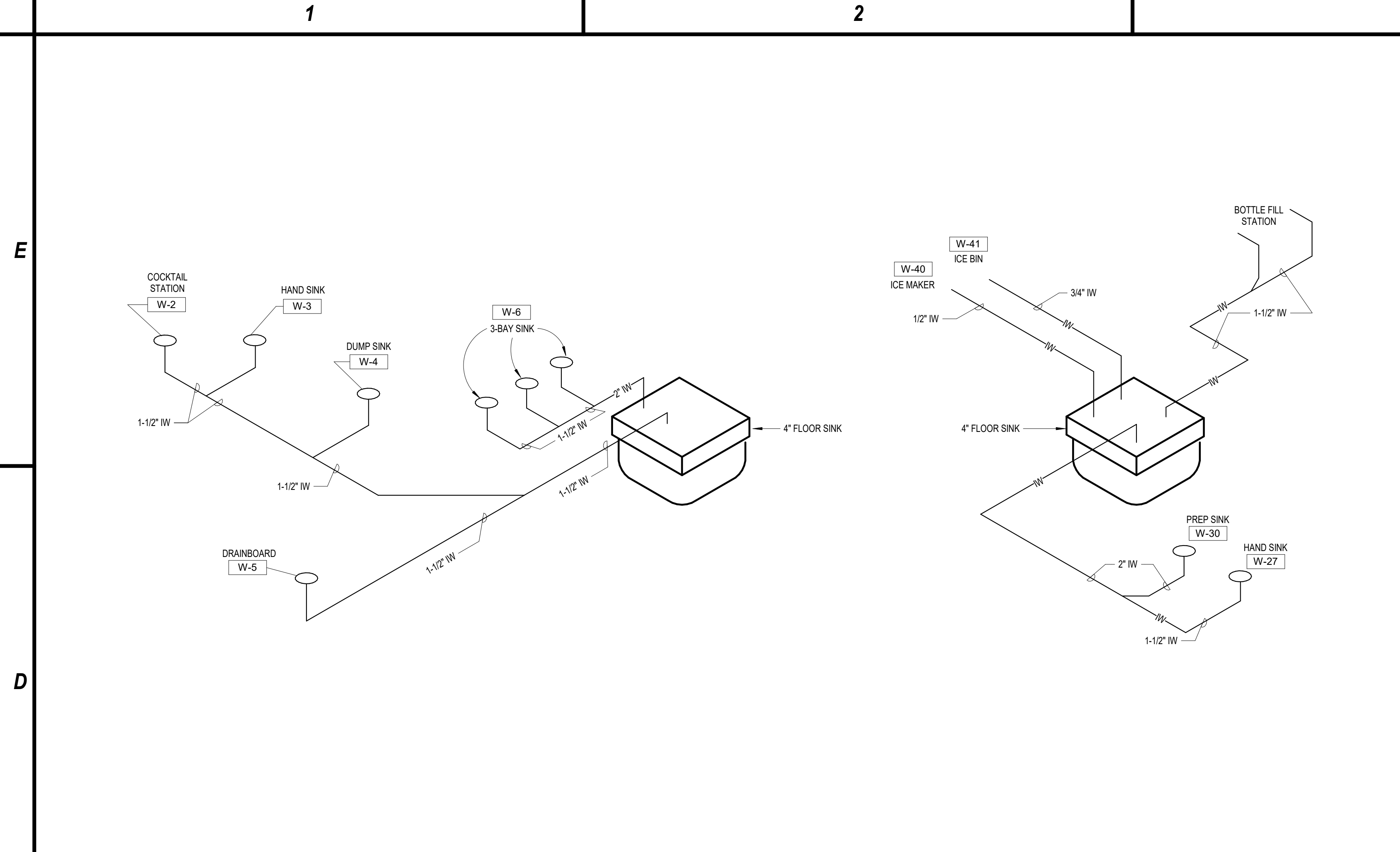
PLUMBING NOTES,
SYMBOLS, LEGENDS,
ABBREVIATIONS, AND
DETAILS

C-P-001

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO.:	872.014.008
	DATE:	JUNE 2026
	DRAWN BY:	N. HLUDZENSKI
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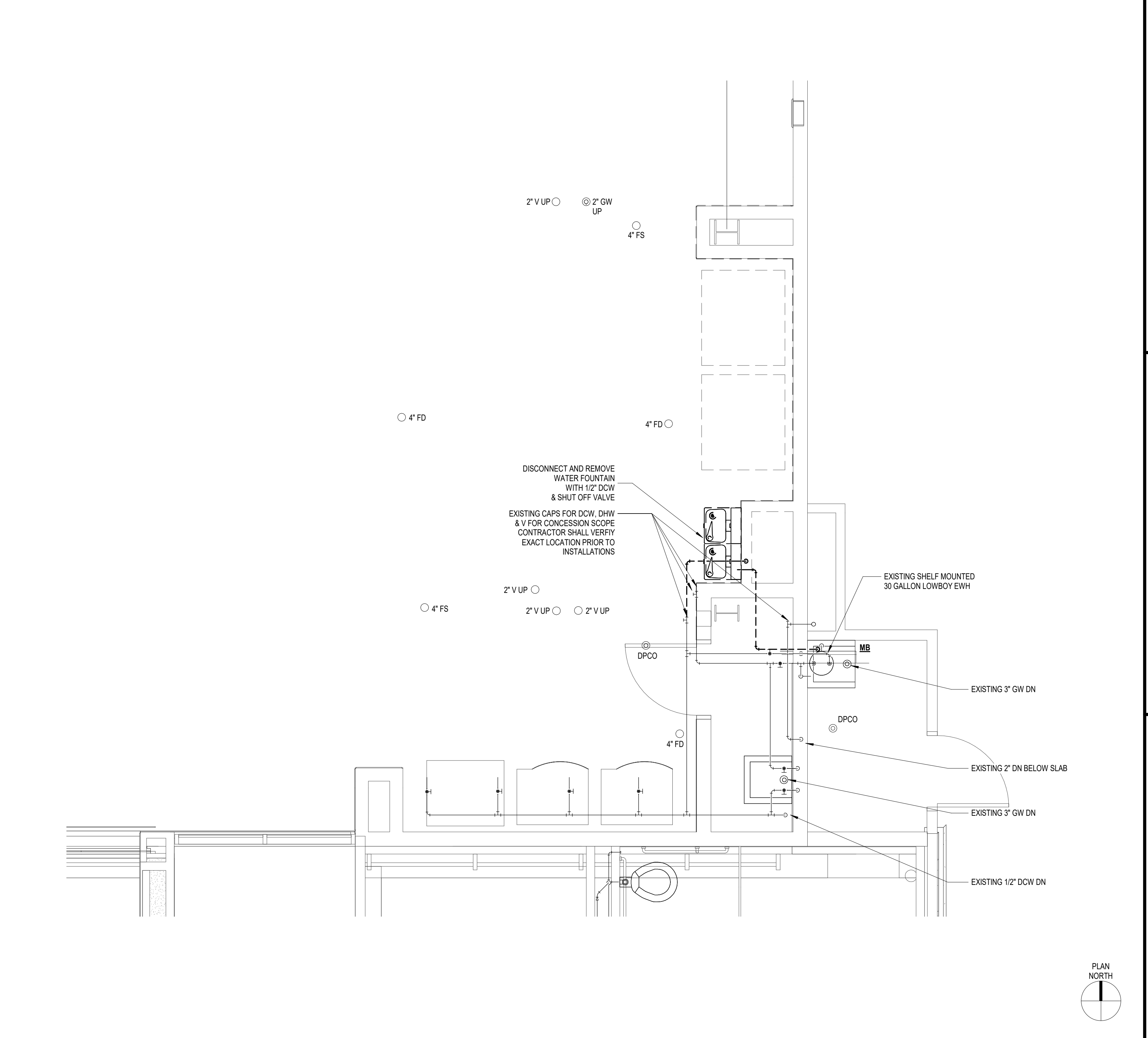
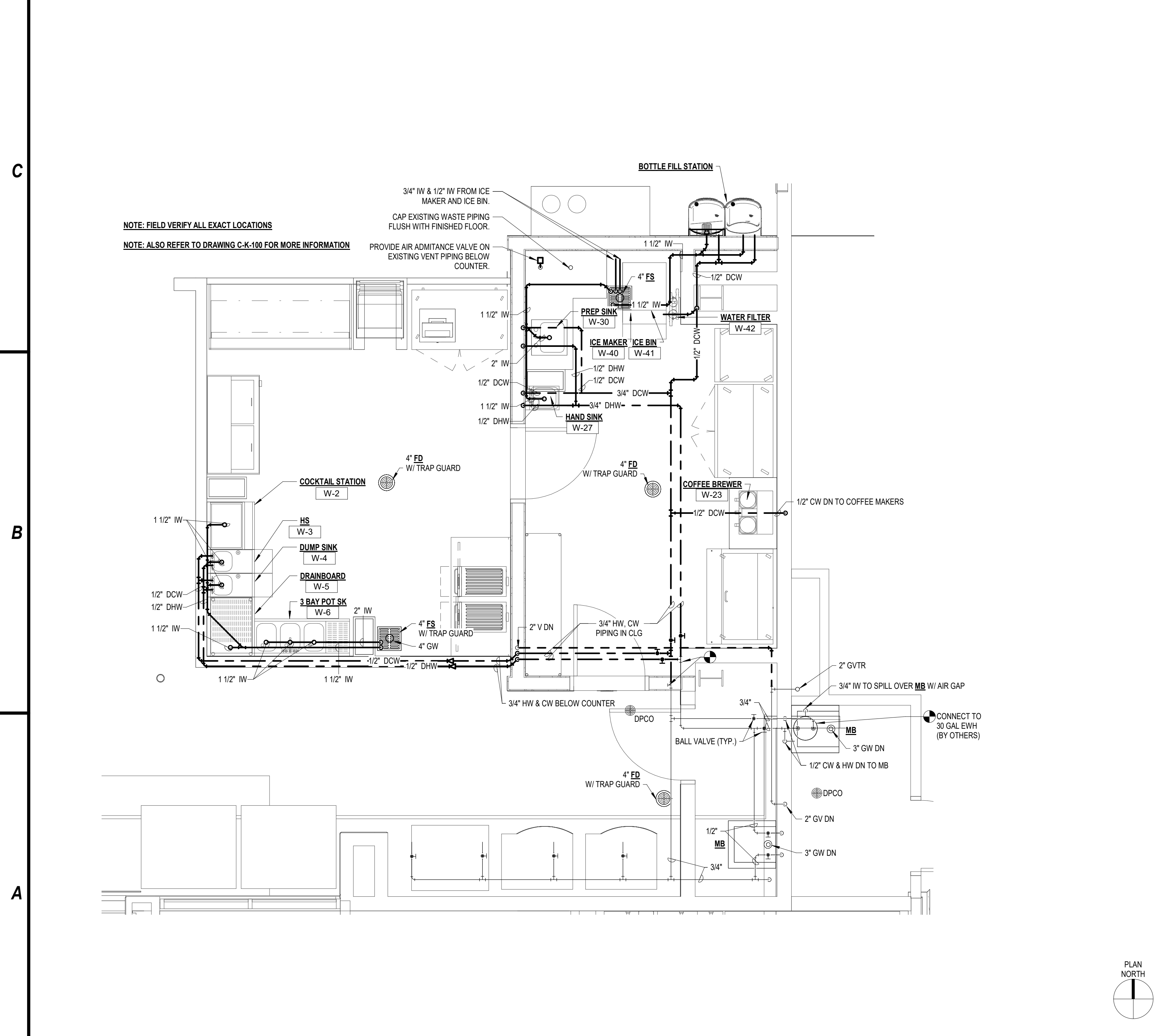
CONCESSIONS PLUMBING PLANS AND RISER DIAGRAMS

C-P-101



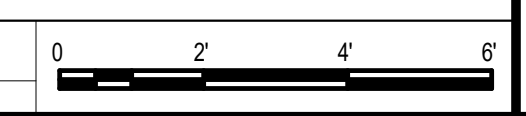
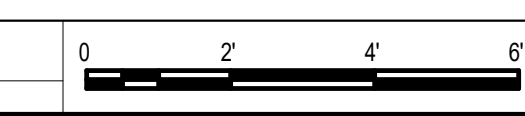
D2 SANITARY RISER DIAGRAM
 SCALE: NOT TO SCALE

D3 DOMESTIC WATER RISER DIAGRAM
 SCALE: NOT TO SCALE



A1 ENLARGED FIRST FLOOR CONCESSIONS PLAN
 SCALE: 3/8" = 1'-0"

A3 FIRST FLOOR DEMOLITION PLAN - PLUMBING
 SCALE: 3/8" = 1'-0"



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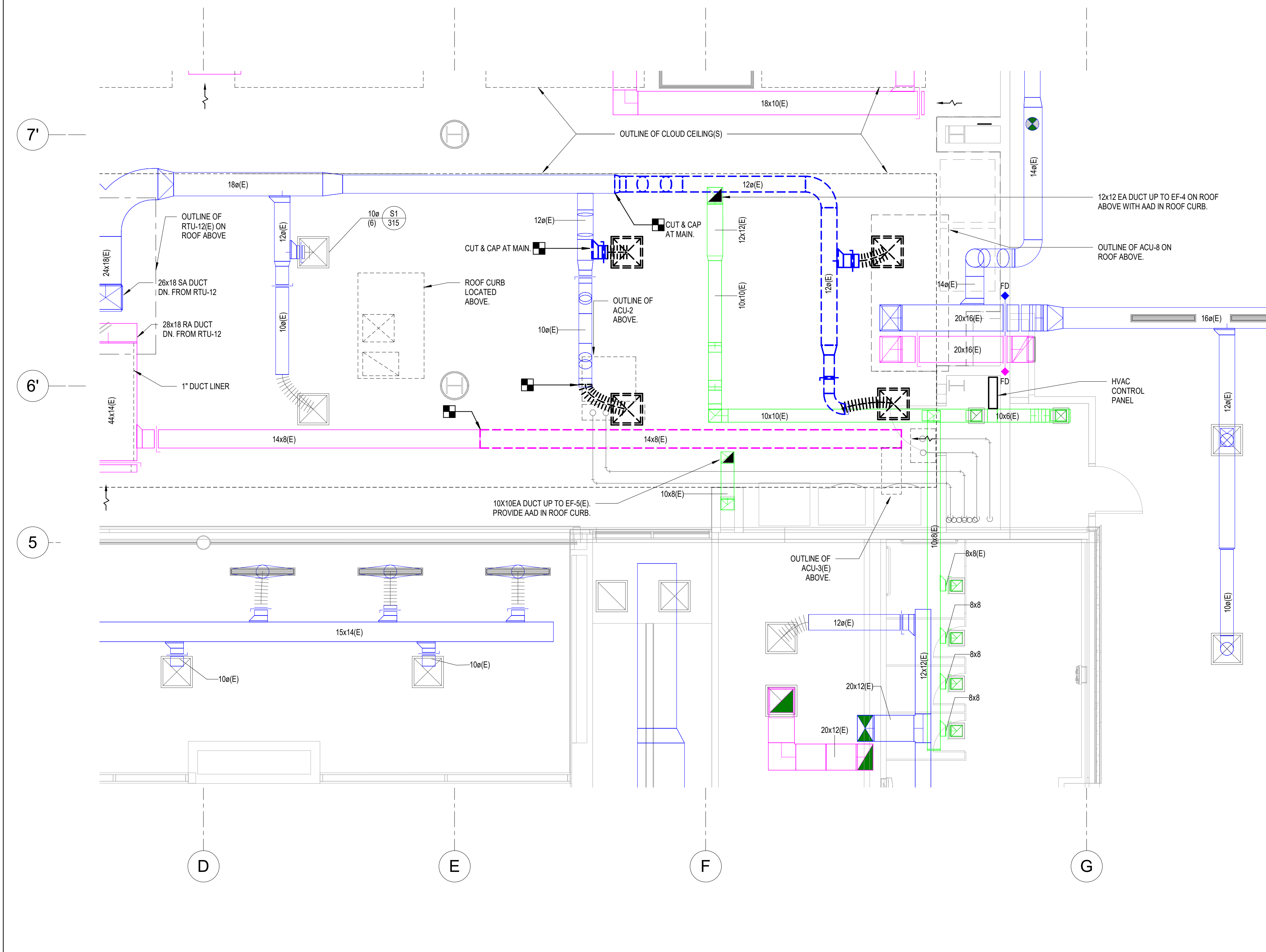
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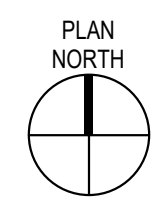
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C3 FIRST FLOOR HVAC DEMOLITION PLAN - CONCESSIONS AREA
SCALE: 1/4" = 1'-0"



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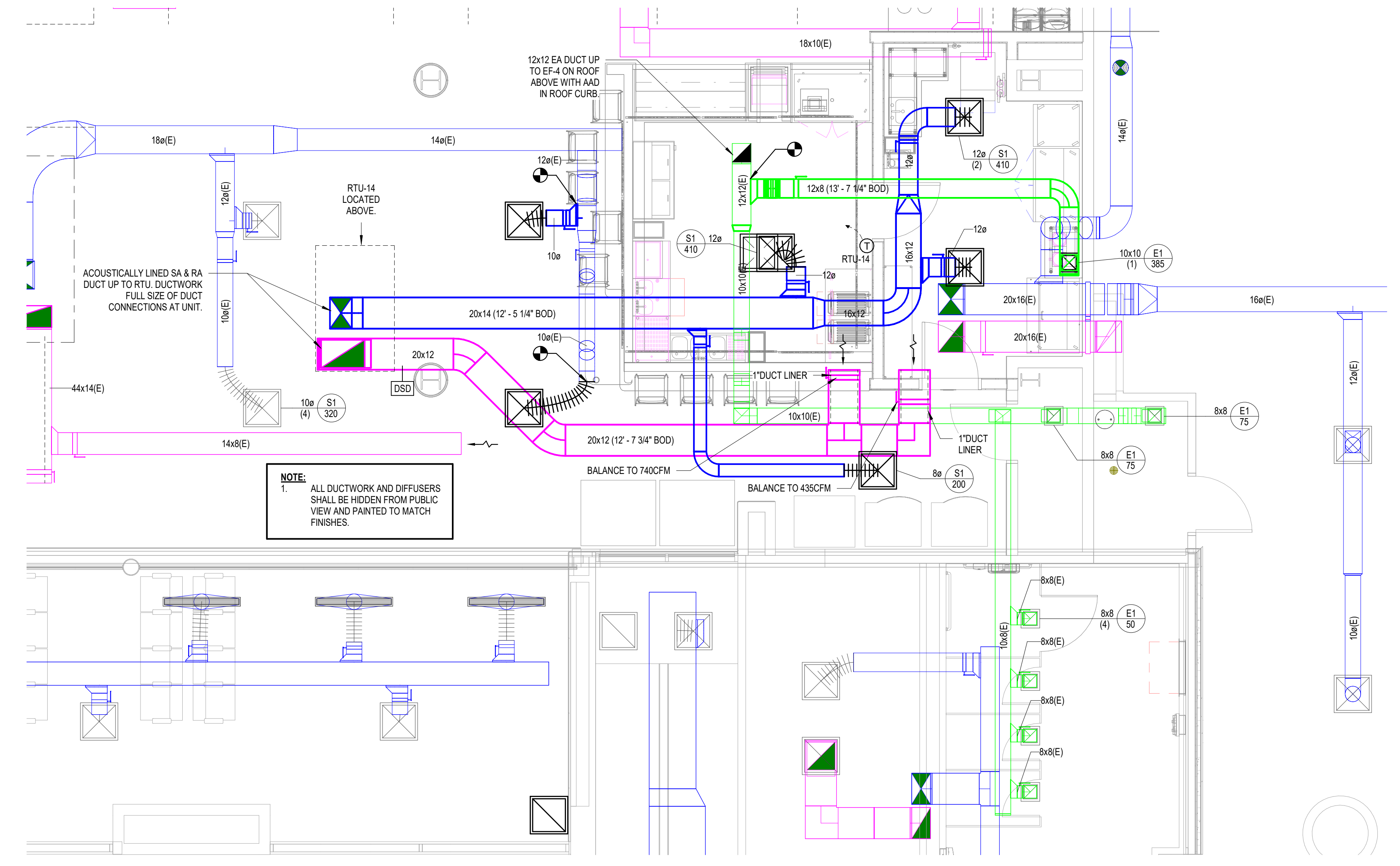
**ILG TERMINAL DEPARTURE LOUNGE
 CONCESSION
 DELAWARE RIVER & BAY AUTHORITY
 151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 872.014.008		
DATE: JUNE 2026		
DRAWN BY: A.J. MILNE, P.E.		
DESIGNED BY: A.J. MILNE, P.E.		
CHECKED BY: K. PIERCE, P.E.		

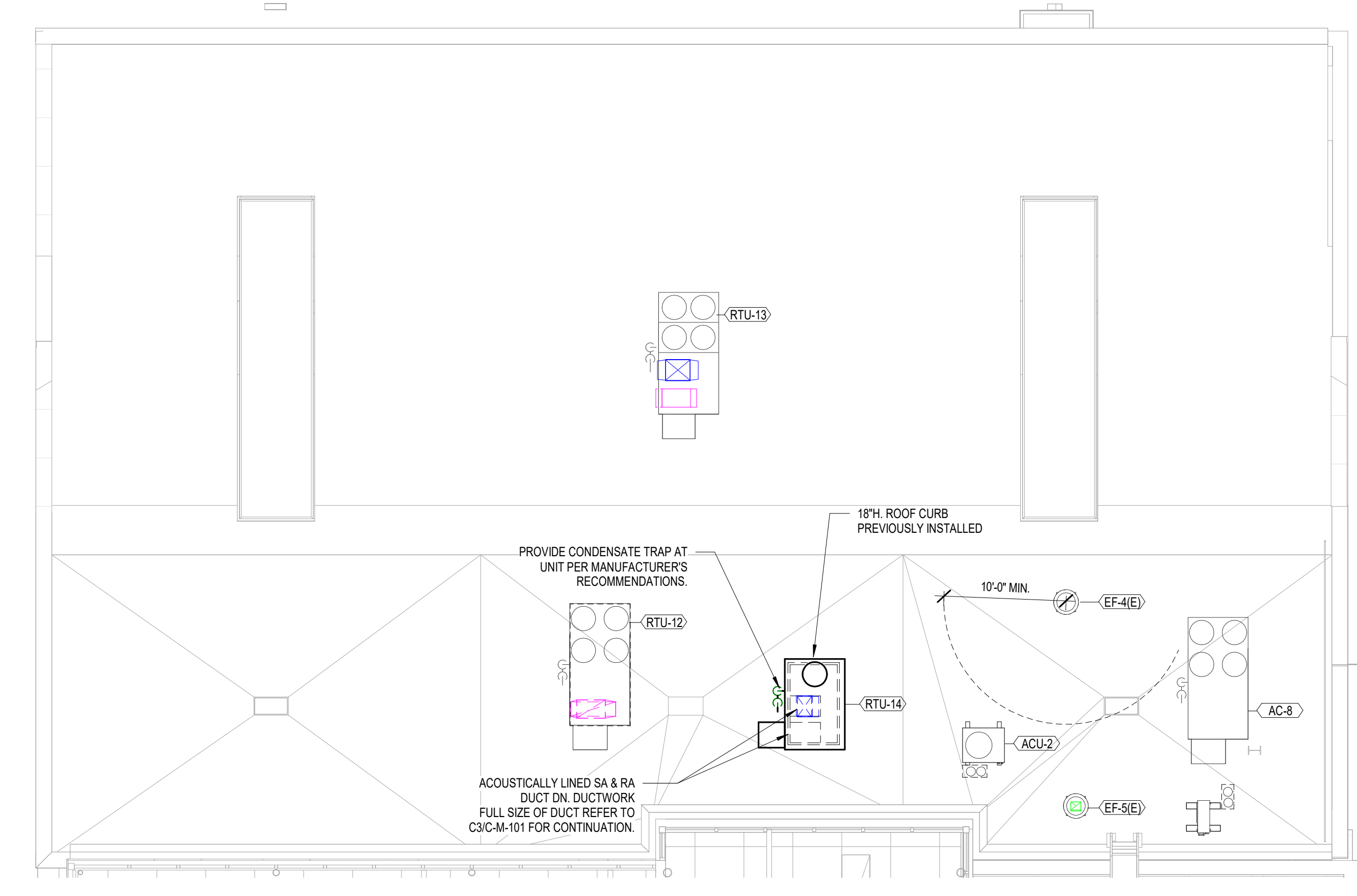
CONCESSIONS HVAC DEMOLITION PLAN

C-MD-101

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C3 FIRST FLOOR CONCESSIONS HVAC PLAN
 SCALE: 1/4" = 1'-0"



C1 ROOF CONCESSIONS HVAC PLAN
 SCALE: 1/8" = 1'-0"

CONCESSIONS GAS-DX ROOF TOP UNIT SCHEDULE-(RTU)																																	
UNIT NO.	LOCATION	AREA SERVED	AIR FLOW (CFM)	MIN. OA (CFM)	GAS HEATING				COOLING COIL - DX				COMPRESSORS		HOT-GAS REHEAT			SUPPLY AIR FAN			ELECTRICAL DATA				BASIS OF DESIGN		REMARKS						
					INPUT MBH	OUTPUT MBH	EAT (°F)	LAT (°F)	TEMP RISE	# OF STAGES	TOTAL MBH	SENSIBLE MBH	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	QUANTITY	# OF STAGES	SENSIBLE MBH	EAT	LAT	ESP (IN WG)	RPM	HP	EER (SEER)	VOLTS		PHASE	MCA	MCCP	WEIGHT (LBS)	MANUFACTURER	MODEL
RTU-14	ROOF	CONCESSIONS KITCHEN 138A	1425	250	60	49	59.5	91.2	32	2	50.1	34.3	75.5	62.8	53.3	53.0	1	1	24.0	53.3	68.8	1.00	929	1.5	12.3	208	3	32	40	960	YORKJCI	KJ049S08ZBFCE2A1	ALL

1. PROVIDE DISCONNECT SWITCH.
2. PROVIDE 2" MERV 13 FILTERS.
3. PROVIDE WALL MOUNTED THERMOSTAT.
4. PROVIDE BACKNET INTERFACE FOR UNIT TO BE TIED INTO EXISTING JCI BUILDING MANAGEMENT SYSTEM (COMMUNICATIONS MODULE).
5. PROVIDE BAROMETRIC RELIEF DAMPER AND HOOD.
6. PROVIDE REFRIGERANT DETECTION SYSTEM FOR A2L REFRIGERANT.
7. 18" ROOF CURB PROVIDED AS PART OF THE HOLDROOM PROJECT SCOPE.

CONCESSIONS EXHAUST FAN SCHEDULE (EF)														
UNIT NO.	LOCATION	SERVICE	TYPE	ARRANGEMENT	CFM	ESP (IN WC)	RPM	MAX. SONES	ELECTRICAL			BASIS OF DESIGN		REMARKS
									VOLTS	PHASE	HP (WATTS)	MANUFACTURER	MODEL	
EF-4(E)	ROOF	HOLDROOM JANITOR CLOSETS, TERMINAL BUILDING RESTROOMS, CONCESSIONS	DIRECT-DRIVE	DOWNBLAST	735	0.75	1320	9.1	120	1	10	FLOAIRE	DR33H	ALL

1. FOR REFERENCE ONLY. SHOWN TO NOTE NEW BALANCED AIRFLOW FOR THE FAN WITH THE CONCESSIONS EXHAUST.

CONCESSIONS DIFFUSER AND GRILLE SCHEDULE (S&R)										
TYPE	DESCRIPTION	FACE SIZE	MAX. NC	MAX APD (IN W.C.)	MATERIAL	FINISH	CEILING TYPE	BASIS OF DESIGN		REMARKS
								MANUFACTURER	MODEL	
E1	PERFORATED SQUARE GRILLE	SEE PLANS	25	0.1	ALUMINUM	WHITE	LAY-IN	PRICE	PDOR	1
S1	SQUARE CONE DIFFUSER	SEE PLANS	25	0.1	STEEL	WHITE	LAY-IN	PRICE	SCD	1.2

1. COORDINATE COLOR/FINISH WITH ARCHITECT.
2. PROVIDE INSULATED BLANKET BACKING.

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1. ALL ELECTRICAL WORK SHALL CONFORM TO ALL STATE, LOCAL, AND NATIONAL ELECTRICAL CODES.

2. ELECTRICAL CHARACTERISTICS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER.

3. ITEMS OF SPECIFIC MANUFACTURERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS AND/OR MANUFACTURERS REPRESENTATIVES DIRECTIONS.

4. THE CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS AND DIMENSIONS SHOWN ON DRAWINGS.

5. ALL CONDUIT AND WIRING SCHEDULES SHALL BE VERIFIED BEFORE INSTALLATION.

6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL EQUIPMENT WITH OTHER CONTRACTORS.

7. ALL AREAS DISTURBED BY WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ORIGINAL AS DETERMINED BY THE ENGINEER.

8. THE CONTRACTOR SHALL PROVIDE RACEWAYS, WIRING, AND CONNECTIONS FOR ALL CONTROL CIRCUITS AND INTERLOCK.

9. ALL ELECTRICAL CONDUIT AND CONDUCTORS DISCONNECTED AND NOT TO BE REUSED SHALL BE REMOVED.

10. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE STARTING WORK. IF ONLY A PORTION OF AN EXISTING CIRCUIT IS BEING REMOVED FOR DEMOLITION, CONTINUITY SHALL BE MAINTAINED TO THE REST OF THE REMAINING CIRCUITS.

11. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE #12AWG UNLESS OTHERWISE SHOWN.

12. ALL BRANCH CIRCUITS SHALL CONSIST OF 2 CONDUCTORS PLUS GROUND, UNLESS OTHERWISE SHOWN.

13. PATCH AND PAINT ALL EXISTING ELECTRICAL PENETRATIONS FOR REMOVED CONDUITS AND EQUIPMENT.

14. FOR RELOCATED CIRCUITS, MATCH EXISTING WIRING AND CONDUIT SIZES.

1. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL (AS NECESSARY) AND RE-INSTALLATION OF THE BUILDING EXISTING ARCHITECTURAL, CEILING SYSTEMS). IF THE CONTRACTOR DAMAGES THE EXISTING ARCHITECTURAL, CEILING OR SUPPORT SYSTEM, THE CONTRACTOR IS RESPONSIBLE FOR ITS REPAIR TO ITS ORIGINAL CONDITION. THE CONTRACTOR SHALL ENSURE THAT ALL WORK AREAS ARE CLEAN AT THE END OF WORK EACH DAY AND THAT CEILING SYSTEMS ARE BACK IN PLACE.

2. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, PATCHING AND RESTORING EXISTING FINISHES TO A CONDITION EQUAL TO OR GREATER THAN THE CONDITION THE SURFACES WERE FOUND IN. THIS INCLUDES MATCHING EXISTING PAINTED SURFACES, PAINTING BREAK TO BREAK, PROVIDING BLANK COVER PLATES FOR ABANDONED JUNCTION BOXES ETC.

3. ALL SYSTEM TESTING AND TRAINING SHALL BE IN CONFORMANCE WITH MANUFACTURER RECOMMENDATIONS AND AS OUTLINED IN THE PROJECT SPECIFICATIONS.

4. ALL DATAVOICE CATEGORY 6 CABLES SHALL BE ENCLOSED IN 1" EMT CONDUIT OR SURFACE RACEWAY. (UNLESS CABLE IS BEING FISHED IN EXISTING GYPSUM WALL BOARD WALLS, AND WHERE THE EXPOSED CABLE IS IMMEDIATELY TRANSDUCED TO CONDUIT WHERE IT EXISTS THE TOP OF THE WALL ASSEMBLY). THEN TRANSDUCED TO CABLE TRAY IN THE CORRIDOR, COORDINATE WITH ELECTRICAL DRAWINGS FOR COMMON USE OF SURFACE RACEWAY.

5. NO SPLICES SHALL BE MADE IN WIRING BETWEEN TERMINATION POINTS. LOW VOLTAGE CABLING SHALL BE INSTALLED IN SEPARATE RACEWAY THAN ANY CIRCUITRY CARRYING A VOLTAGE OF 120VAC OR GREATER.

6. PROVIDE PLASTIC BUSHINGS ON THE ENDS OF ALL CONDUITS.

7. LEAVE A MINIMUM OF 6" EXCESS CABLE AT EACH TERMINATION LOCATION. LEAVE A MINIMUM OF 6" OF EXCESS CABLE AT PATCH PANEL END.

8. GROUND AND BOND ALL TELECOMMUNICATION EQUIPMENT IN ACCORDANCE WITH DIVISION 26 SPECIFICATIONS.

9. TELECOM SYSTEMS SHALL INCLUDE FULL IDENTIFICATION. ALL JUNCTION, TERMINAL AND PULLING BOXES AND COVERS SHALL BE LABELED TELECOM ONLY. ALL COVERS LOCATED IN EXPOSED LOCATIONS SHALL BE PAINTED TO MATCH SURROUNDING FINISHES AND SHALL BE TELECOM ONLY.

10. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND HAVING ALL NECESSARY ELECTRICAL INSPECTIONS CONDUCTED IN CONFORMANCE WITH STATE AND LOCAL REGULATIONS. ALL ELECTRICAL WORK SHALL BE INSPECTED BY A QUALIFIED THIRD PARTY INSPECTION FIRM.

11. ALL WALL AND FLOOR PENETRATIONS LOCATED WITHIN BUILDINGS FOR TELECOM RACEWAY SHALL BE FULLY SLEEVED AND SEALED. SLEEVE SHALL BE A MINIMUM OF SCHEDULE 40 STEEL AND PROTRUDE A MINIMUM OF 4" ON EITHER SIDE OF THE WALL OF FLOOR SURFACE WITH A TRIM RING. CABLE TRAY WALL PENETRATIONS SHALL BE IN THE FORM OF 4" SLEEVES WITH THE SAME CABLE CAPACITY AS THE CABLE TRAY. ALL WALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRESTOPPED WITH A U.L. RATED SYSTEM. ALL FIRE STOPPING MATERIAL/SEALANT SHALL BE OF THE LOW VOC TYPE. SUBMIT INFORMATION FROM THE FIRE STOPPING MATERIAL MANUFACTURER ENSURING THEIR MATERIALS HAVE LOW EMITTING VOC CHARACTERISTICS. THE CONTRACTOR APPLYING FIRE STOPPING IMPLEMENTS/MATERIALS SHALL BE FM 4981 APPROVED, U.L. QUALIFIED, OR PROVIDE SUFFICIENT PROOF OF TRAINING AND EXPERIENCE IN THE APPLICATION OF FIRE STOPPING MATERIALS TO THE OWNER'S REPRESENTATIVE.

12. THE TELECOM EQUIPMENT AND DEVICE LOCATIONS AND RISERS SHOWN ARE GENERAL AND ARE NOT INTENDED TO SHOW A DETAILED NETWORK TOPOLOGY. THE ACTUAL NETWORK CONNECTIONS MAY DIFFER REQUIRING CHANGES OR PERMITS ADDITIONAL NETWORK EQUIPMENT TO ACCOMMODATE THE SYSTEMS AS ILLUSTRATED. CLOSELY COORDINATE NETWORK INTERFACE REQUIREMENTS AND PROGRAMMING OF IP ADDRESSES WITH THE EQUIPMENT MANUFACTURERS AND THE OWNER.

13. EACH CABLE SHALL BE LABELED AT THE JACK END AND PATCH PANEL END WITH PERMANENT PREPRINTED WRAP AROUND LABELS INDICATING CABLE NUMBER. EACH FACEPLATE SHALL BE LABELED WITH PREPRINTED LABEL INDICATING CABLE NUMBER. EACH PATCH PANEL SHALL BE LABELED WITH PREPRINTED ADDRESS LABEL INDICATING OWNER LABELING REQUIREMENTS. CABLE NUMBER SHALL CONSIST OF CABLE NUMBER, RACK PATCH PANEL NUMBER, PATCH PANEL PORT NUMBER.

- ☐ COMMUNICATIONS OUTLET, FOUR (4) CAT6 CABLES, UNLESS OTHERWISE NOTED (LON)
- ☐ COMMUNICATIONS OUTLET TO BE REMOVED, SHOWN ON ETD SHEETS
- ☐ WIRELESS ACCESS POINT (WAP), TWO (2) CAT6A CABLE
- ☐ COMMUNICATIONS FLOORBOX, FOUR (4) CAT6 CABLES
- ☐ WALL MOUNT MONITOR OUTLET, ONE (1) CAT6 CABLE, ONE (1) COAX TO AV OUTLET
- ☐ AV OUTLET, ONE (1) HDMI CABLE TO MONITOR OUTLET
- ☐ PAGING STATION, ONE (1) CAT6 TO PAGING SYSTEM EQUIPMENT RACK
- ☐ CEILING SPEAKER
Z# = ZONE NUMBER
- ☐ COMMUNICATIONS JUNCTION BOX, PROVIDE 1" CONDUIT WITH PULL STRING FOR FUTURE USE
- ☐ FLOOR MOUNT DATA RACK
- ☐ WALL MOUNT DATA RACK
- ☐ TELECOMMUNICATIONS GROUND BAR
- ☐ CAMERA LOCATION, TWO (2) CAT6 CABLES
- ☐ ACCESS CONTROL LOCATION
- ☐ ACCESS CONTROL CARD READER
- ☐ ACCESS CONTROL PUSH BUTTON EXIT DEVICE
- ☐ CABLE TRAY
- ☐ ANTENNA
- EXISTING WORK, TO REMAIN
- NEW WORK

ELECTRICAL SYMBOL LIST

EXISTING WORK LINETYPE

DEMOLITION WORK LINETYPES

NEW WORK LINETYPE

DUPLX RECEPTACLE, MOUNT AT 18" AFF UNLESS NOTATION INDICATES OTHERWISE

CTR = ABOVE COUNTER
IG = ISOLATED GROUND
GF = GROUND FAULT CIRCUIT INTERRUPTER, MOUNT AT 48" AFF UNLESS OTHERWISE NOTED
WP = GF WITH WEATHERPROOF COVER, MOUNT AT 42" AFF UNLESS OTHERWISE NOTED
XP = EXPLOSION PROOF
SP = SURGE PROTECTED
TV = TELEVISION RECEPTACLE MOUNTED AT TELEVISION HEIGHT

QUAD RECEPTACLE, MOUNT 18" AFF UNLESS OTHERWISE NOTED

CORD REEL

SPECIAL RECEPTACLE

SINGLE POLE SWITCH, UNLESS NOTATION INDICATES OTHERWISE

OS = SINGLE POLE SWITCH WITH DUAL TECHNOLOGY OCCUPANCY SENSOR
2 = DOUBLE POLE SWITCH
3 = THREE-WAY SWITCH
4 = FOUR-WAY SWITCH
D = DIMMER SWITCH
K = KEYSWITCH
M = MANUAL MOTOR STARTER
T = TIMER SWITCH
LV = LOW VOLTAGE SWITCH

DISCONNECT SWITCH (TICKS INDICATE NUMBER OF POLES)

CIRCUIT BREAKER (TICKS INDICATE NUMBER OF POLES)

CONTACTS (NORMALLY OPEN)

CONTACTS (NORMALLY CLOSED)

FUSE

GROUND

FUSED DISCONNECT SWITCH

NON FUSED DISCONNECT SWITCH

JUNCTION BOX

PANEL BOARD, REFER TO PANEL BOARD SCHEDULE

BRANCH CIRCUIT HOME RUN WITH CIRCUIT NUMBER
SEE PANEL SCHEDULES FOR DETAILS

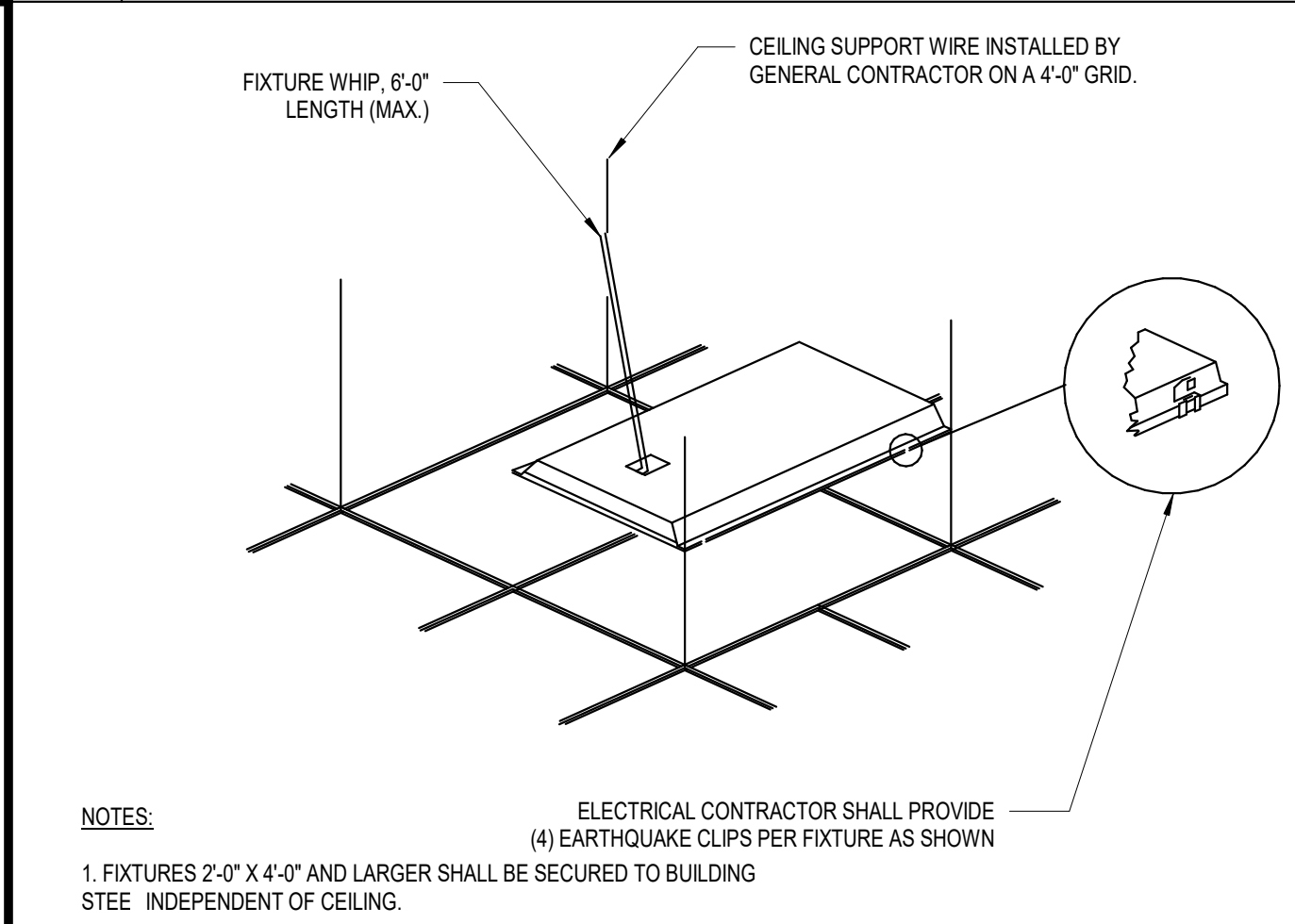
- ☐ 2X4' LUMINAIRE, LETTER DENOTES TYPE, SEE LUMINAIRE SCHEDULE
NL = NIGHT LIGHT
- ☐ 1'X4' LUMINAIRE, LETTER DENOTES TYPE, SEE LUMINAIRE SCHEDULE
NL = NIGHT LIGHT
- ☐ 2'X2' LUMINAIRE, LETTER DENOTES TYPE, SEE LUMINAIRE SCHEDULE
NL = NIGHT LIGHT
- ☐ RECESSED DOWN LIGHT, LETTER DENOTES TYPE, SEE LUMINAIRE SCHEDULE
NL = NIGHT LIGHT
- ☐ POLE MOUNTED LUMINAIRE LETTER DENOTES TYPE, SEE LUMINAIRE SCHEDULE
- ☐ INDICATES WALL MOUNTED LUMINAIRE, LETTER DENOTES TYPE, SEE LUMINAIRE SCHEDULE
- ☐ INDICATES EMERGENCY LUMINAIRE, LETTER DENOTES TYPE, SEE LUMINAIRE SCHEDULE
NL = NIGHT LIGHT
- ☐ EMERGENCY LIGHT WITH BATTERY PACK
- ☐ CEILING MOUNTED OCCUPANCY SENSOR
- ☐ CEILING MOUNTED DAYLIGHT SENSOR
- ☐ MAN-HOLE
- ☐ HANDHOLE
- UE — UNDERGROUND ELECTRIC
- ☐ UNDERGROUND ELECTRIC DUCTBANK
- ☐ EXIT LUMINAIRE, SHADED AREA DENOTES FACE, LETTER DENOTES TYPE
CIRCUIT WITH AREA LIGHTING BEFORE ANY LIGHTING CONTROL DEVICES
- ☐ METER
- ☐ NEW RECESSED FLOOR BOX, GFCI QUAD RECEPTACLES WITH COVER
- ☐ POWER POLE

E1 ELECTRICAL GENERAL NOTES

SCALE: NOT TO SCALE

AC	ABOVE COUNTER	PLV	PANEL UNIT VENTILATOR
ACCU	AIR COOLED CONDENSING UNIT	REM	REMARKS
AFF	ABOVE FINISHED FLOOR	RGS	RIGID GALVANIZED STEEL CONDUIT
AFG	ABOVE FINISHED GRADE	UV	UNIT VENTILATOR
AU	AT UNIT	VFD	VARIABLE FREQUENCY DRIVE
BFG	BELOW FINISHED GRADE	WP	WATER PROOF
CT	CURRENT TRANSFORMER		
CTB	CLOCK TERMINAL BOX		
DP	DISTRIBUTION PANEL		
DP	DISTRIBUTION PANEL MAIN		
EF	EXHAUST FAN		
EMT	ELECTRIC METALLIC TUBING		
FA	FIRE ALARM		
FACP	FIRE ALARM CONTROL PANEL		
FC	FAN COIL		
FDS/D	FIRE DAMPER/SMOKE DAMPER		
GF	GROUND FAULT		
GFI	GROUND FAULT INTERRUPTER TYPE		
GND	GROUND		
JB	JUNCTION BOX		
KV	KILO AMP		
KV	KILO VOLT		
KVA	KILO VOLT AMP		
KWHD	KILO WATT-HOUR DEMAND METER		
LP	LIGHTING PANEL		
NC	NORMALLY CLOSED		
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION		
NO	NORMALLY OPEN		
PB	PULL BOX		
PF	POWER FEEDER		
PT	POTENTIAL TRANSFORMER		

D1 ELECTRICAL ABBREVIATIONS

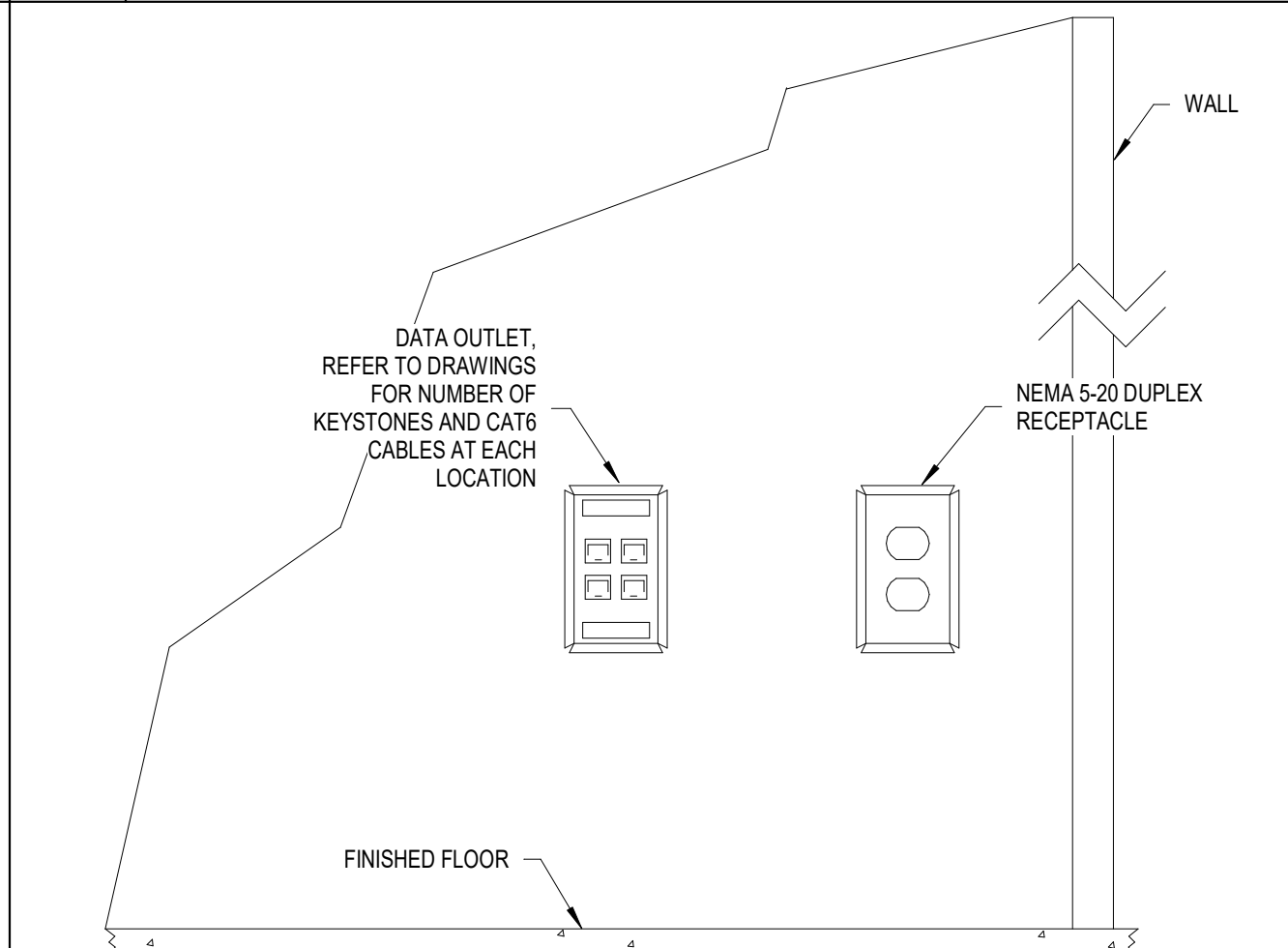


D2 COMMUNICATIONS GENERAL NOTES

SCALE: NOT TO SCALE

AFF	ABOVE FINISHED FLOOR
EXT	EXTERIOR
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL
GB	GROUND BAR
WB	INTERACTIVE WHITE BOARD
JB	JUNCTION BOX
MTR	MAIN TELECOMMUNICATIONS ROOM
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PA	PUBLIC ADDRESS SYSTEM
PB	PULL BOX
REM	REMARKS
SC	SECURITY DEVICE
SMR	SURFACE MOUNTED RACEWAY
TGB	TELECOMMUNICATIONS GROUND BAR
TR	TELECOMMUNICATIONS ROOM
W	WALL MOUNT 48" AFF, UNLESS OTHERWISE NOTED
WAN	WIDE AREA NETWORK
WAP	WIRELESS ACCESS POINT

D3 COMMUNICATIONS SYMBOLS



C1 GRID INSTALLATION DETAIL

SCALE: NOT TO SCALE

PANEL SCHEDULE

200 AMPS
120/208 Wye VOLTS
3 PHASE
4 WIRE
30 POLE SPACES

MAIN BREAKER 150 A

INSTALLATION DP-CONCESSION
LOCATION
PANEL FEEDER EXISTING PANEL
NOTES: PROVIDE GFCI BREAKERS FOR ALL CIRCUIT WITHIN KITCHEN AREA.

CIRCUIT DESCRIPTION	WIRE SIZE	CONDUIT	CB, AMPS	Poles	CKT	A	B	C	CKT	Poles	CB, AMPS	CONDUIT	WIRE SIZE	CIRCUIT DESCRIPTION
VENDING RECEPTACLE (EX)	1-#12, 1-#12, 1-#12	3/4"	20 A	1	1				2	1	20 A	3/4"		VENDING RECEPTACLE (EX)
HOLD ROOM WATER COOLER	1-#12, 1-#12, 1-#12	3/4"	20 A	1	3				4	2	30 A	3/4"	2-#10, 1-#10, 1-#10	VENDING MACHINE RECEPTACLE
VENDING RECEPTACLE (EX)	1-#12, 1-#12, 1-#12	3/4"	20 A	1	5				6	1	20 A	3/4"	1-#12, 1-#12, 1-#12	REFRIGERATOR
VENDING RECEPTACLE (EX)	1-#12, 1-#12, 1-#12	3/4"	20 A	1	7				8	1	20 A	3/4"	1-#12, 1-#12, 1-#12	FREEZER
COLD SERVE	2-#12, 1-#12, 1-#12	3/4"	20 A	2	11				12					
HOT SERVE	2-#10, 1-#10, 1-#10	3/4"	30 A	2	13				14	3	50 A	3/4"	3-#6, 1-#6, 1-#10	COFFEE BREWER
BAR & PREP AREA LIGHTING	1-#12, 1-#12, 1-#12	3/4"	20 A	1	15				16					
SPEED OVEN	2-#8, 1-#8, 1-#10	3/4"	40 A	2	17				18	1	20 A	3/4"	1-#12, 1-#12, 1-#12	ICE MAKER
SPEED OVEN	2-#8, 1-#8, 1-#10	3/4"	40 A	2	19				20	1	20 A	3/4"	1-#12, 1-#12, 1-#12	GENERAL RECEPTACLE
					21				22	1	20 A	3/4"	1-#12, 1-#12, 1-#12	SANDWICH PREP
					23				24					
					25				26					
					27				28	3	30 A	3/4"	3-#10, 1-#10, 1-#10	BAR PANEL
					29				30					

C2 COMMUNICATIONS ABBREVIATIONS

SCALE: NOT TO SCALE

PANEL SCHEDULE

60 AMPS
120/208 Wye VOLTS
3 PHASE
4 WIRE
10 POLE SPACES

MAIN BREAKER
LUGS 30
GND. BAR COPPER
SC RATING
ENCLOSURE NEMA 1

INSTALLATION BAR PANEL
LOCATION Space 1
PANEL FEEDER DP-CONCESSION
NOTES

CIRCUIT DESCRIPTION	WIRE SIZE	CONDUIT	CB, AMPS	Poles	CKT	A	B	C	CKT	Poles	CB, AMPS	CONDUIT	WIRE SIZE	CIRCUIT DESCRIPTION
COOLER	1-#12, 1-#12, 1-#12	3/4"	20 A	1	1				2	1	20 A	3/4"	1-#12, 1-#12, 1-#12	REFRIGERATOR
BAR RECEPTACLES (PASSENGER)	1-#12, 1-#12, 1-#12	3/4"	20 A	1	3				4	1	20 A	3/4"	1-#12, 1-#12, 1-#12	GENERAL RECEPTACLE, COCKTAIL STATION
TV/MENU RECEPTACLE	1-#12, 1-#12, 1-#12	3/4"	20 A	1	5				6	1	20 A	3/4"	1-#12, 1-#12, 1-#12	POINT-OF-SALE RECEPTACLE
UNDER COUNTER LIGHTING	1-#12, 1-#12, 1-#12	3/4"	20 A	1	7				8					
					9				10					

C3 DATA OUTLET AND ELECTRICAL OUTLET MOUNTING DETAIL

SCALE: NOT TO SCALE

PANEL SCHEDULE

400 AMPS
120/208 Wye VOLTS
3 PHASE
4 WIRE
42 POLE SPACES

MAIN BREAKER 300 A

INSTALLATION EXISTING PANEL
LOCATION
PANEL FEEDER DP2
NOTES EXISTING PANEL

CIRCUIT DESCRIPTION	WIRE SIZE	CONDUIT	CB, AMPS	Poles	CKT	A	B	C	CKT	Poles	CB, AMPS	CONDUIT	WIRE SIZE	CIRCUIT DESCRIPTION
EXISTING CIRCUIT	--	--	20 A	1	1				2	1	20 A	--	--	EXISTING CIRCUIT
EXISTING CIRCUIT	--	--	20 A	1	3				4	1	20 A	--	--	EXISTING CIRCUIT
EXISTING CIRCUIT	--	--	20 A	1	5				6	1	20 A	--	--	EXISTING CIRCUIT
EXISTING CIRCUIT	--	--	20 A	1	7				8	1	20 A	--	--	EXISTING CIRCUIT
EXISTING CIRCUIT	--	--	20 A	1	9				10	1	20 A	--	--	EXISTING CIRCUIT
EXISTING CIRCUIT	--	--	20 A	1	11				12	1	20 A	--	--	EXISTING CIRCUIT
EXISTING CIRCUIT	--	--	20 A	1	13				14	1	20 A	--	--	EXISTING CIRCUIT
EF-4	1-#12, 1-#12, 1-#12	3/4"	20 A	1	15				16	1	20 A	3/4"	1-#12, 1-#12, 1-#12	EF-5
					17				18					
WATER HEATER (JANITOR'S CLOSET)	3-#4, 1-#8	1"	70 A	3	19				20	1	20 A	3/4"	1-#12, 1-#12, 1-#12	BASEMENT WOMEN'S RESTROOM SINK RECEPTACLE
					21				22	1	20 A	3/4"	1-#12, 1-#12, 1-#12	BASEMENT WOMEN'S RESTROOM SINK RECEPTACLE
					23				24	1	20 A	3/4"	1-#12, 1-#12, 1-#12	BASEMENT MEN'S RESTROOM SINK RECEPTACLE
					25				26	1	20 A	3/4"	1-#12, 1-#12, 1-#12	BASEMENT MEN'S RESTROOM SINK RECEPTACLE
					27				28	1	20 A	3/4"	1-#12, 1-#12, 1-#12	BASEMENT MEN'S RESTROOM SINK RECEPTACLE
					29				30	1	20 A	3/4"	1-#12, 1-#12, 1-#12	BASEMENT WOMEN'S RESTROOM SINK RECEPTACLE
					31				32					
SPARE	--	--	50 A	2	33				34	3	150 A			DP-CONCESSION
SPARE	--	--	50 A	2	35				36					
SPARE	--	--	50 A	2	37				38					
SPARE	--	--	50 A	2	39				40	3	40 A	1"	3-#8, 1-#8, 1-#10	RTU-14
					41				42					

C4 ELECTRICAL SYMBOLS

- SCALE: NOT TO SCALE
- ELECTRICAL CONTROLS SYMBOL LIST
- ☐ CONTACTOR (M DENOTES MOTOR CONTACTOR)
 - ☐ INDICATOR LIGHT
 - ☐ CONNECTION POINT OR CABLE SPLICE
 - ☐ TRANSFORMER
 - ☐ FUSED DISCONNECT SWITCH

C4 ELECTRICAL SYMBOLS

- SCALE: NOT TO SCALE
- ELECTRICAL CONTROLS SYMBOL LIST
- ☐ CONTACTOR (M DENOTES MOTOR CONTACTOR)
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- ELECTRICAL CONTROLS SYMBOL LIST
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 - ☐ INDICATOR LIGHT
 - ☐ CONNECTION POINT OR CABLE SPLICE
 - ☐ TRANSFORMER
 - ☐ FUSED DISCONNECT SWITCH

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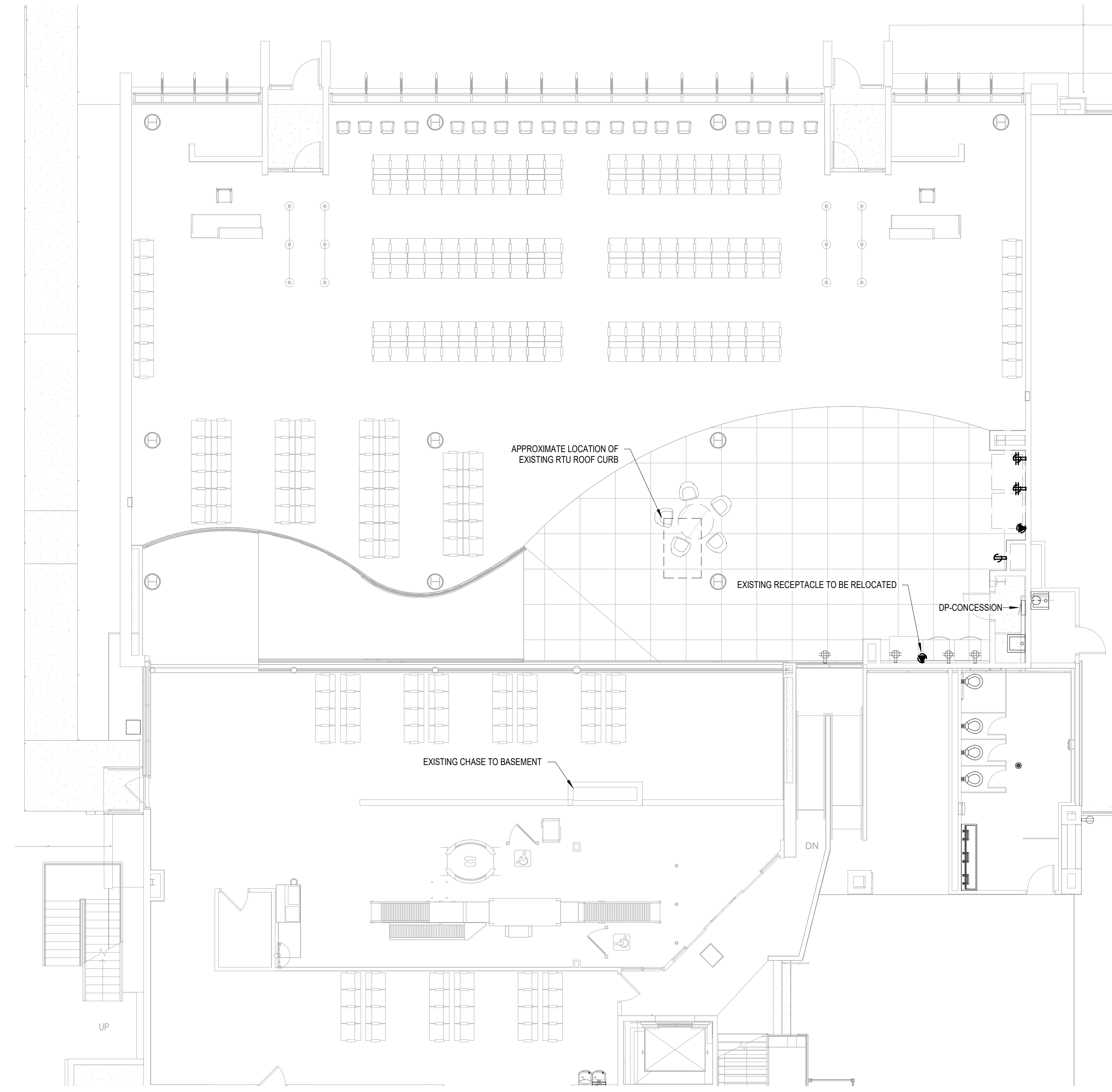
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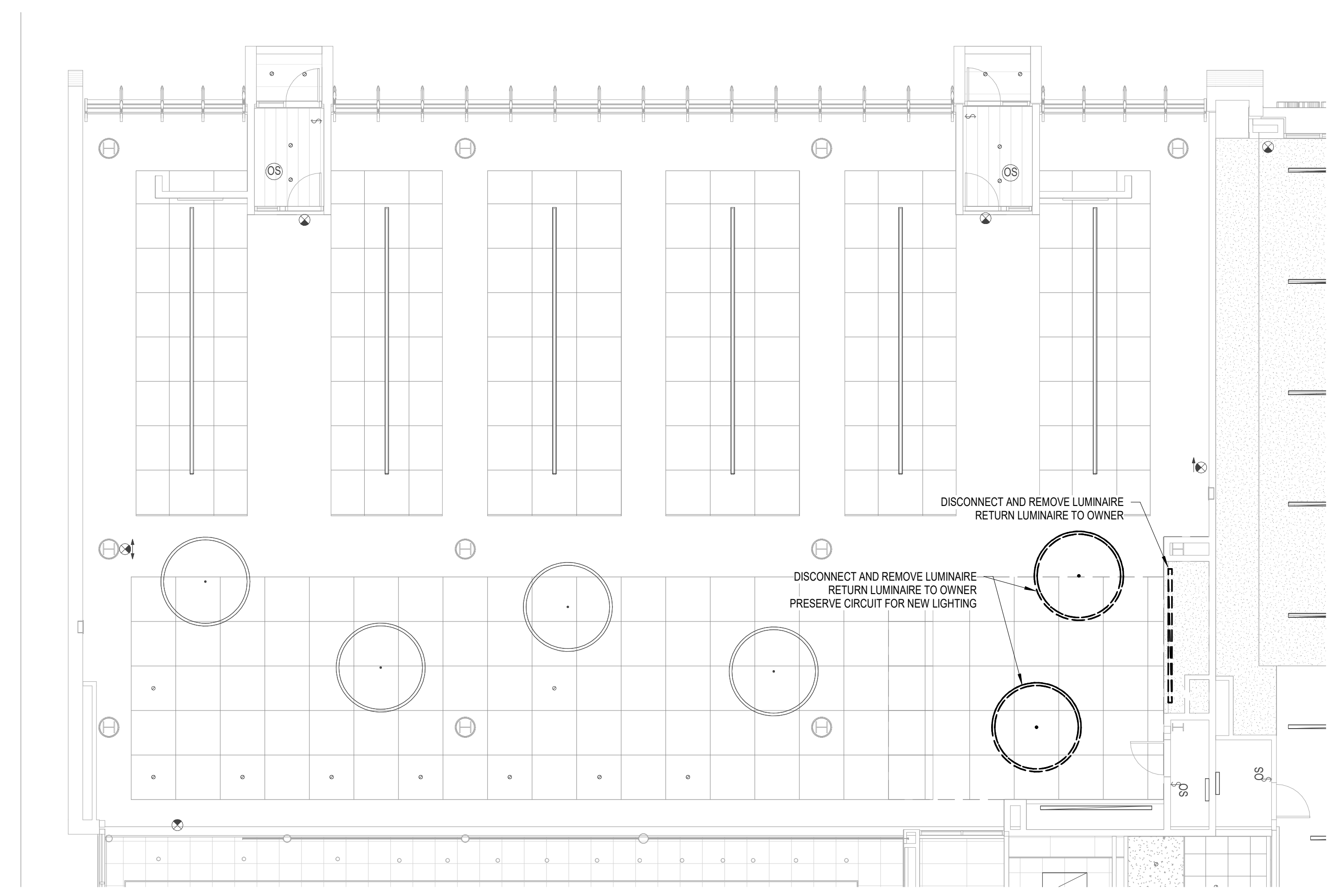
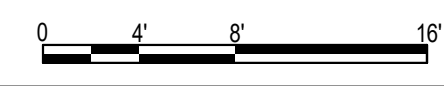
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C3 ELECTRICAL FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



A3 FIRST FLOOR CEILING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



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DRBA DELAWARE RIVER & BAY AUTHORITY

**ILG TERMINAL DEPARTURE LOUNGE
 CONCESSION
 DELAWARE RIVER & BAY AUTHORITY
 151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 872.014.008		
DATE: JUNE 2026		
DRAWN BY: F.K. NEILEY, P.E.		
DESIGNED BY: F.K. NEILEY, P.E.		
CHECKED BY: S.H. SHOVA		

**FIRST FLOOR
 ELECTRICAL
 DEMOLITION FLOOR
 PLAN**

C-ED-101

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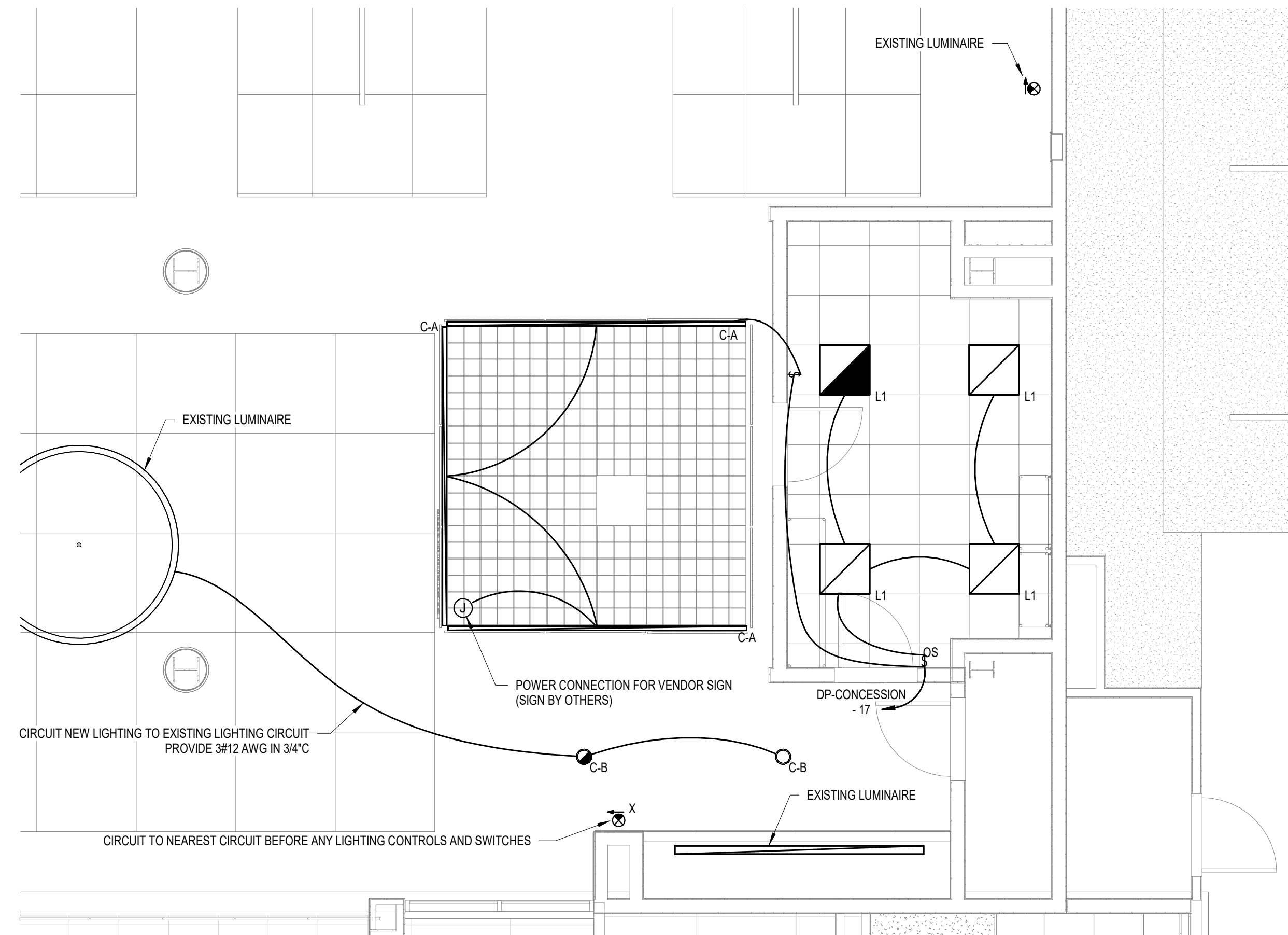
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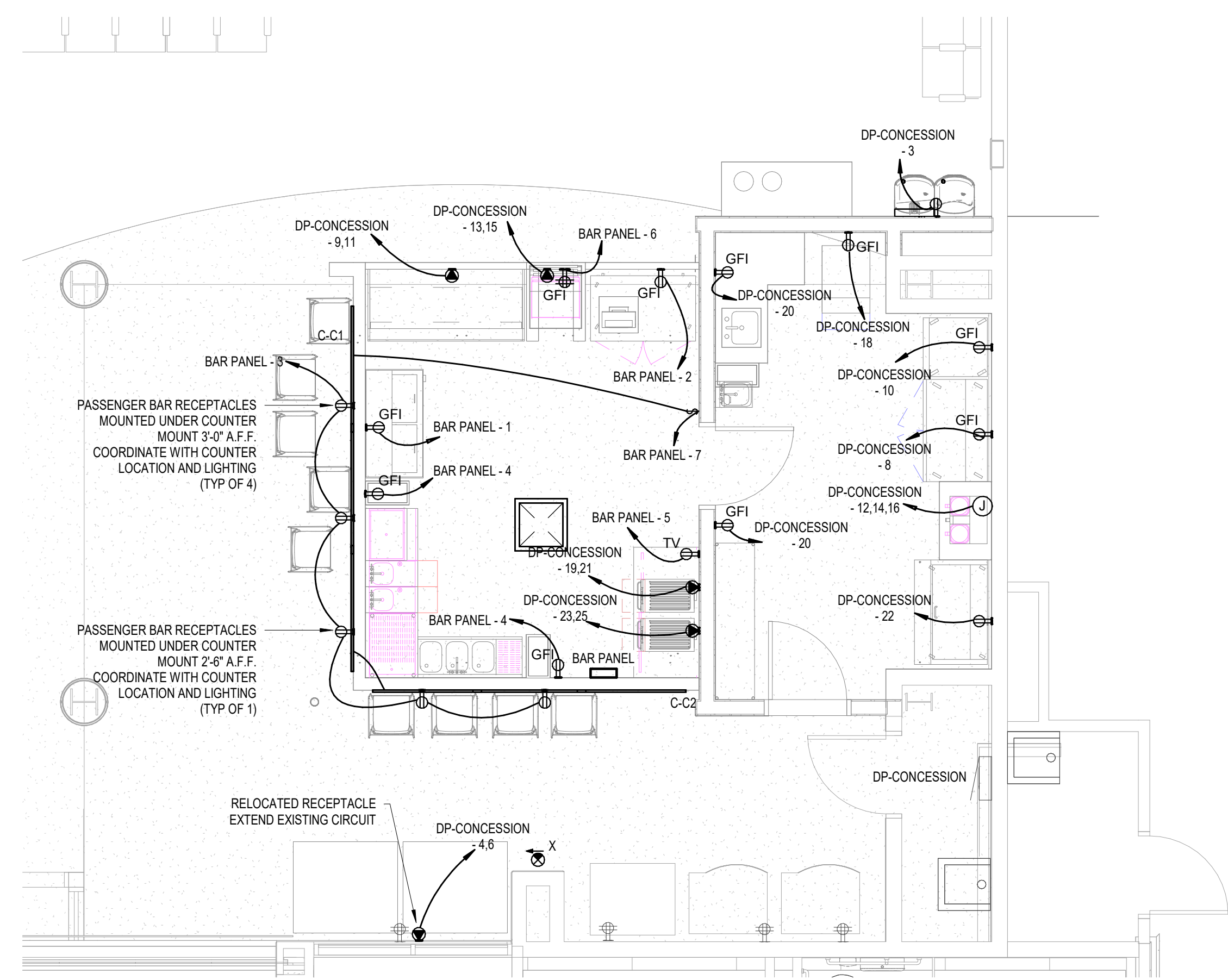


NOTES:

- 1. ALL CONDUIT SHALL BE HIDDEN FROM PUBLIC VIEW AND PAINTED TO MATCH FINISHES.
- 2. LUMINAIRE NOTES (SEE C1 AND C3 THIS SHEET):
 - A. TYPE C-A: H.E. WILLIAMS #MX2UD-44835-U-44835-F-AC-DIM-UNV OR APPROVED EQUAL LUMINAIRE AND ARCHITECTURAL FELT STRUCTURE SHALL BE AT THE SAME BOTTOM HEIGHT.
 - B. TYPE C-B: H.E. WILLIAMS #CFL-12035-SLV-DIM-UNV-0-M-C3 OR APPROVED EQUAL MOUNT 8\"/>
- C. TYPE C-C1 & C-C2: TOKI STAR #TLX-R03B WITH CHANNEL AND FIXED BRACKET. LENGTHS VARY.
- D. TYPE L1: H.E. WILLIAMS #DYG-S22-L32835-AS-DIM-120 OR APPROVED EQUAL PROVIDE EM DRIVER AS NOTED.
- E. TYPE X: H.E. WILLIAMS #EXT-G-EM-WHT-D OR APPROVED EQUAL.

C1 FIRST FLOOR CEILING PLAN - CONCESSION

SCALE: 1/4\"/>



NOTES:

- 1. ALL CONDUIT SHALL BE HIDDEN FROM PUBLIC VIEW AND PAINTED TO MATCH FINISHES.
- 2. ALL DEVICES, INCLUDING FACEPLATES, SHALL MATCH ARCHITECTURAL FINISHES IN PUBLIC FACING AREAS.

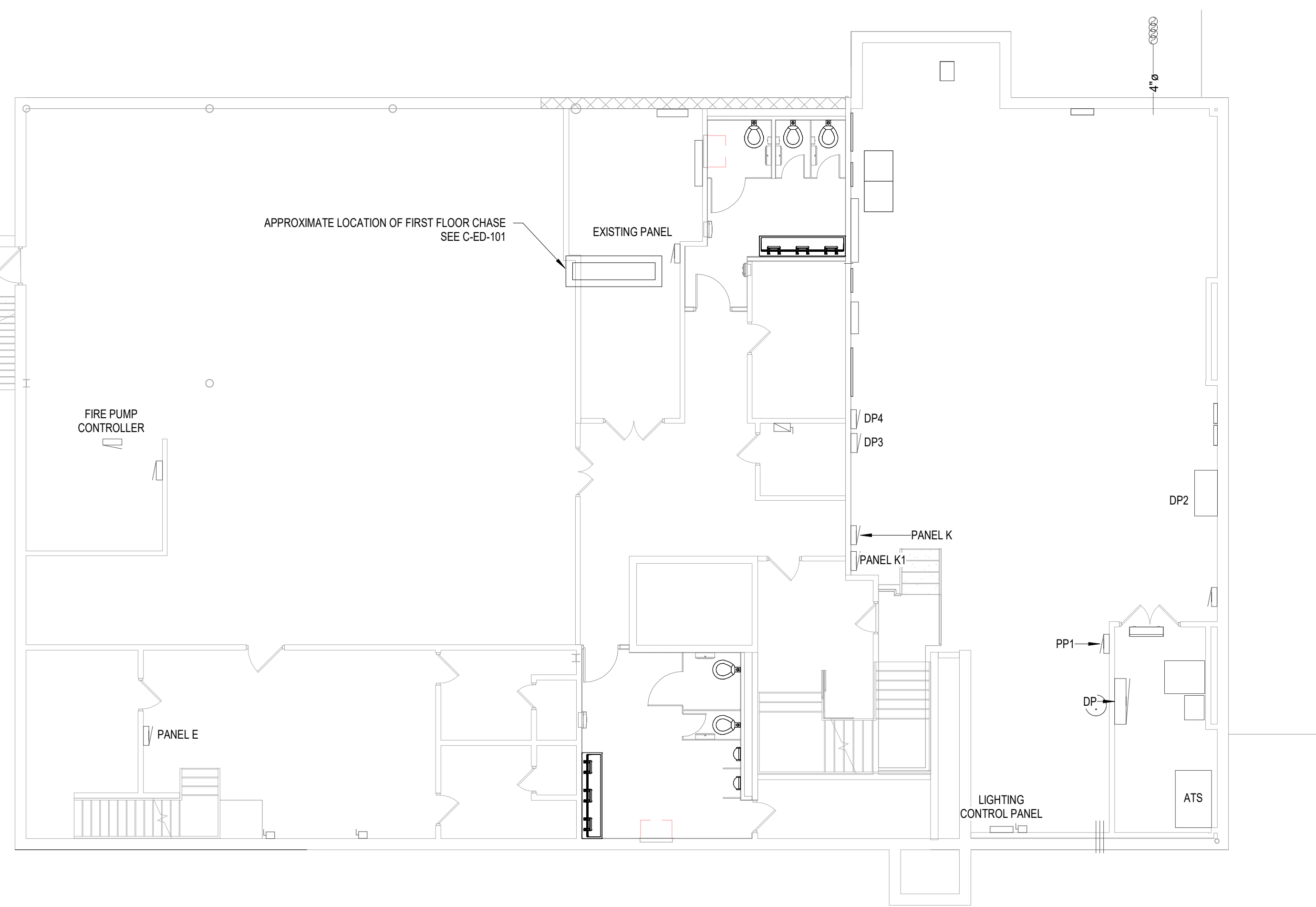
C3 ELECTRICAL FIRST FLOOR PLAN - CONCESSION

SCALE: 1/4\"/>



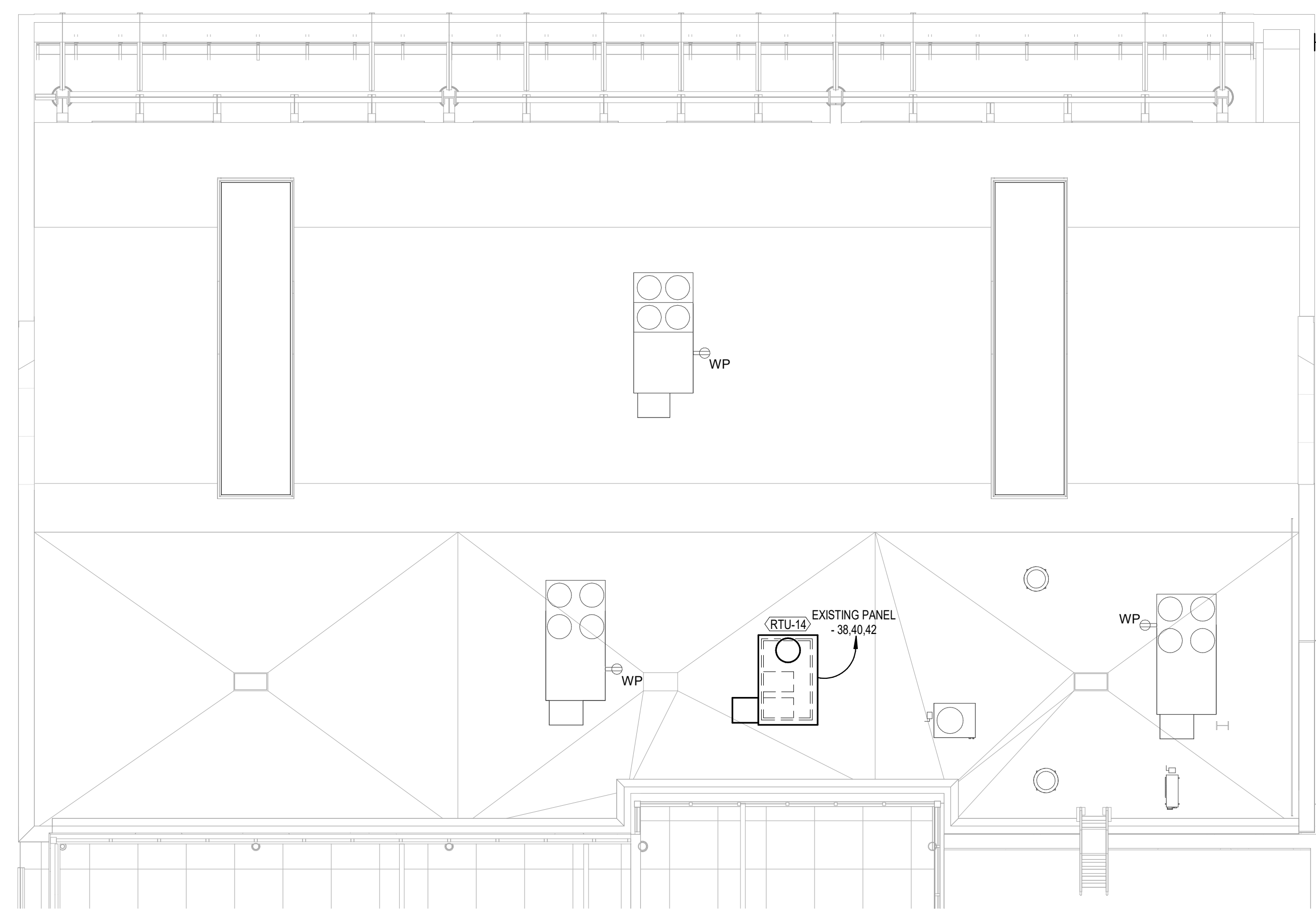
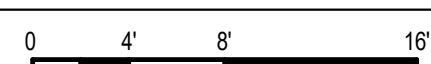
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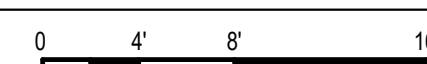
A1 ELECTRICAL BASEMENT PLAN

SCALE: 1/8\"/>



A3 ROOF ELECTRICAL PLAN

SCALE: 1/8\"/>



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 CONCESSION
 DELAWARE RIVER & BAY AUTHORITY
 151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	872.014.008	
DATE:	JUNE 2026	
DRAWN BY:	F.K. NEILEY, P.E.	
DESIGNED BY:	F.K. NEILEY, P.E.	
CHECKED BY:	S.H. SHOVA	

ELECTRICAL PLANS

C-E-101

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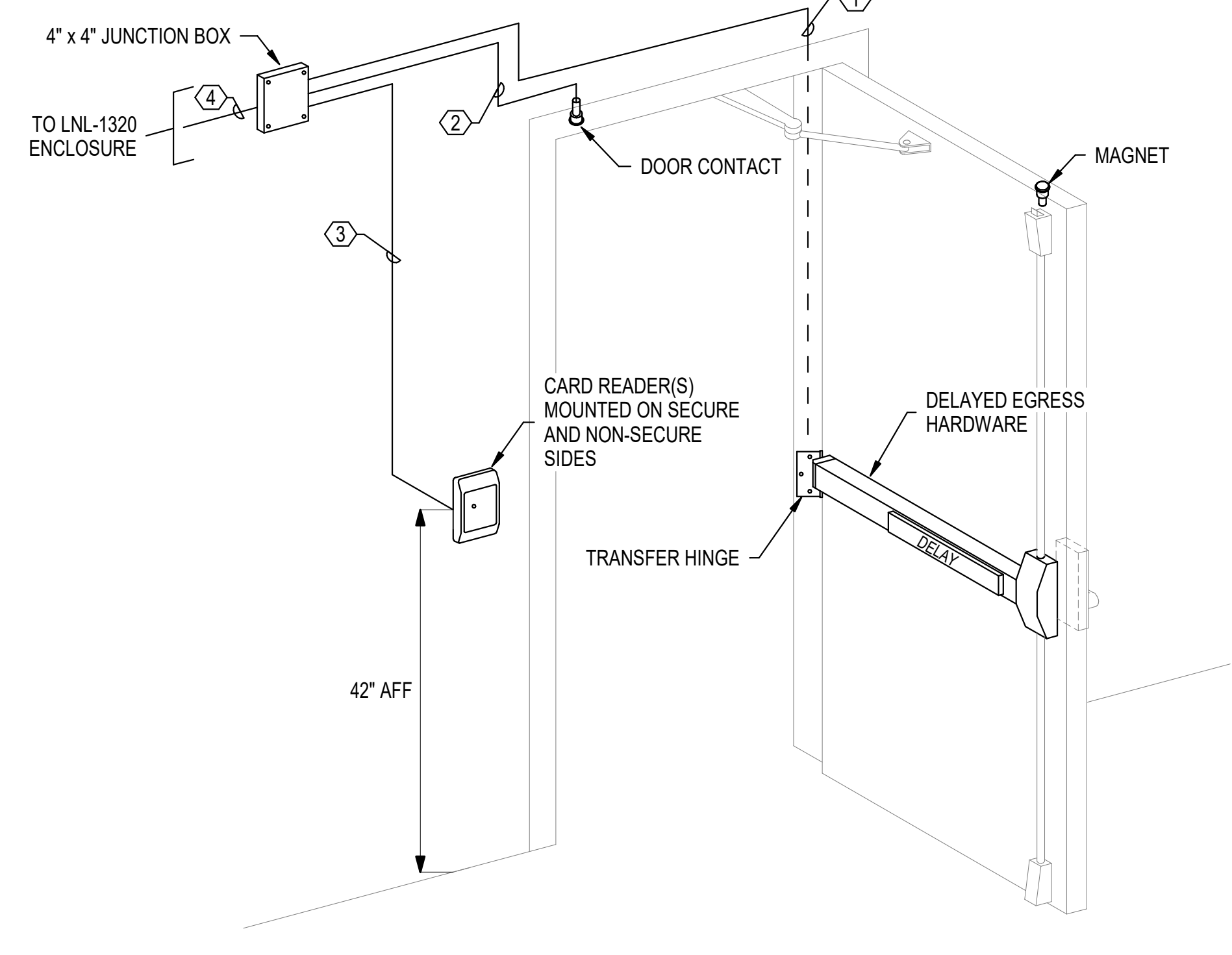
**ILG TERMINAL DEPARTURE LOUNGE
 CONCESSION
 DELAWARE RIVER & BAY AUTHORITY
 151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		

TELECOMMUNICATION PLAN AND DETAILS

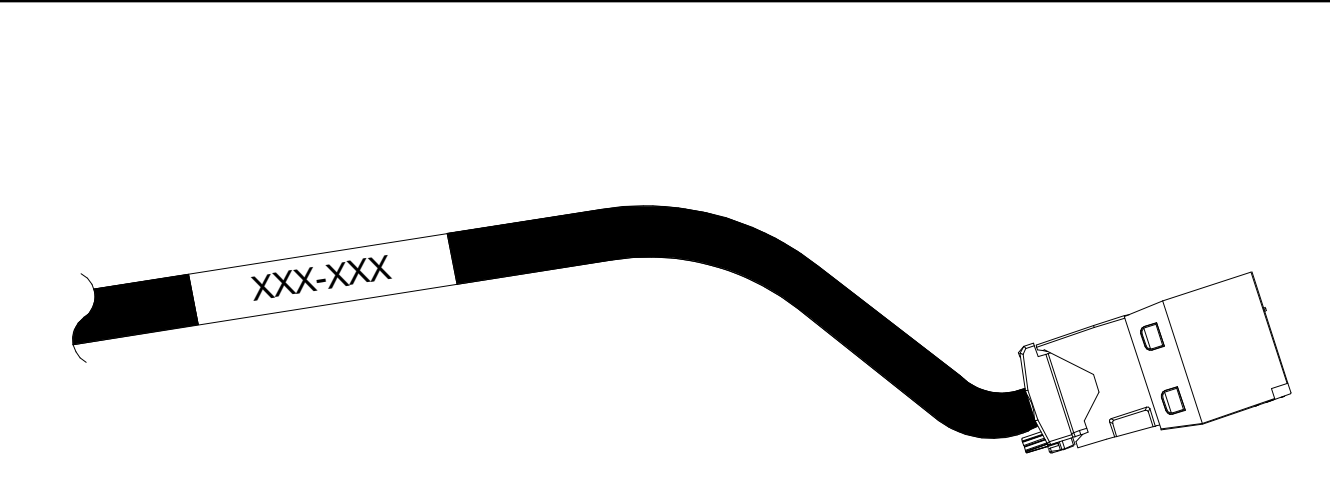
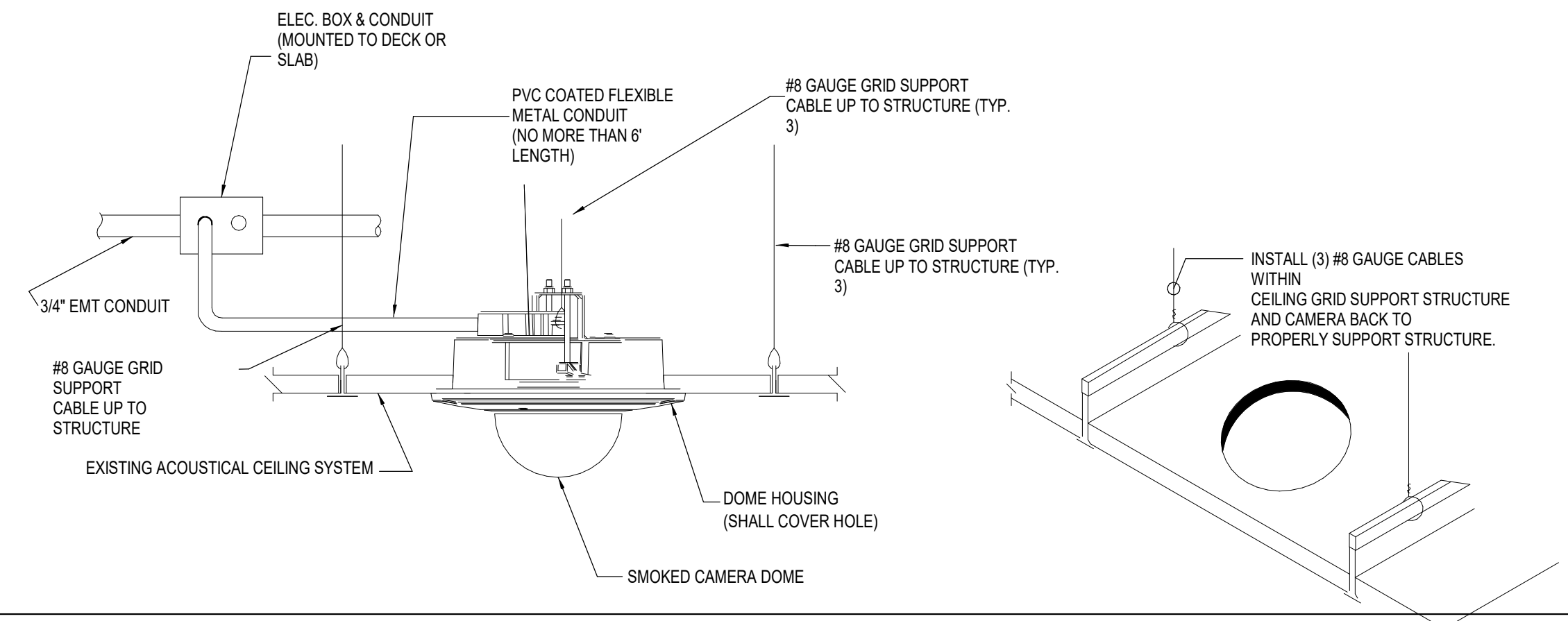
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- NOTES:**
- 1/2" CONDUIT (CONCEALED) WITH ONE (1) #18AWG 2-CONDUCTOR AND ONE (1) #22AWG 4-CONDUCTOR CABLES FOR DELAYED EGRESS
 - 1/2" CONDUIT (CONCEALED) WITH ONE (2) #22AWG 2 CONDUCTOR CABLE FOR DOOR POSITION SWITCH
 - 1/2" CONDUIT (CONCEALED) WITH TWO (2) 3-PAIR #18 AWG CABLES FOR CARD READERS
 - 1" CONDUIT BACK WITH ALL ASSOCIATED SECURITY CABLING

D1 TYPICAL ACCESS CONTROL DETAIL
 SCALE: NOT TO SCALE



- NOTES:**
- PROVIDE COMPUTER PRINTED LABELS 8" FROM TERMINATION OF CABLE. HANDWRITTEN LABELS SHALL BE CONSIDERED UNACCEPTABLE.
 - MAINTAIN PAIR TWIST UP TO FINAL TERMINATION POINT.
 - CABLE JACKET SHALL EXTEND TO WITHIN 1/2" OF TERMINATION POINT.

E3 CAMERA DROP CEILING MOUNT DETAIL
 SCALE: NOT TO SCALE

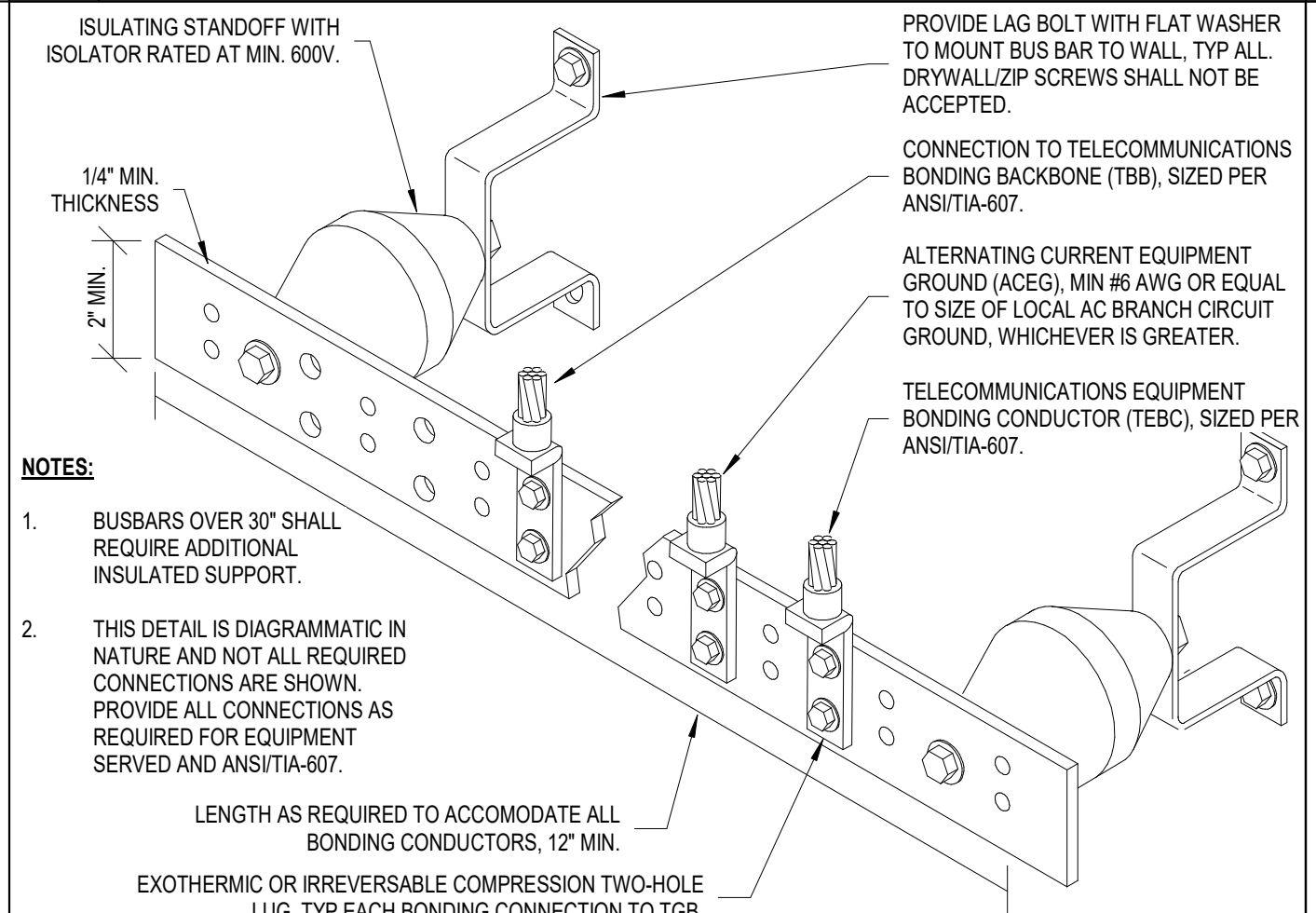
- REFER TO SHEET E-001 FOR SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- ALL CAMERAS INDICATED ARE PURCHASED AND INSTALLED BY THE CONCESSION VENDOR. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF CAT6 CABLES BETWEEN CAMERAS AND VENDOR WALL RACK LOCATED IN JANITOR'S CLOSET 138.
- ACCESS CONTROL CABLING SHALL BE ROUTED BACK TO EXISTING LEVEL ENCLOSURES LOCATED IN SUPPORT 115, REFER TO SHEET ET-101.
- CATS HORIZONTAL CABLES ARE TO BE ROUTED BACK TO VENDOR WALL RACK LOCATED IN JANITOR'S CLOSET 138, UNLESS OTHERWISE NOTED, AND SHALL NOT EXCEED 90m (295 ft) IN LENGTH.
- CONTRACTOR SHALL UTILIZE EXISTING SPARE CONDUIT IN JANITOR'S CLOSET TO TERMINATE CABLES TO DEMARC LOCATION IN MECHANICAL ROOM IN BASEMENT.
- INSTALLATION OF CAT6 UTP CABLES SHALL BE IN ACCORDANCE WITH EIA/TIA GUIDELINES. CABLE INSTALLATION AND TERMINATIONS THAT DO NOT COMPLY SHALL BE REPLACED BY THE CONTRACTOR.
 - THE MAXIMUM PULLING TENSION SHALL NOT EXCEED 25 POUNDS TO AVOID STRETCHING THE CONDUCTORS.
 - THE MINIMUM BENDING RADIUS OF THE CABLE SHALL NOT BE LESS THAN 4 TIMES THE OUTSIDE DIAMETER OF THE CABLE.
 - THE CABLE SHALL BE INSTALLED WITHOUT KINKS OR TWISTS AND THE APPLICATION OF CABLE TIES SHALL NOT DEFORM THE CABLE BUNDLE.
 - STRIP BACK ONLY AS MUCH CABLE JACKET AS REQUIRED TO TERMINATE THE CABLE. CABLE PAIRS SHALL NOT BE UNTWISTED MORE THAN 1/2".
 - ELECTRICAL TAPE WILL NOT BE USED ON ANY SPLICES.

E5 GENERAL NOTES
 SCALE: NOT TO SCALE

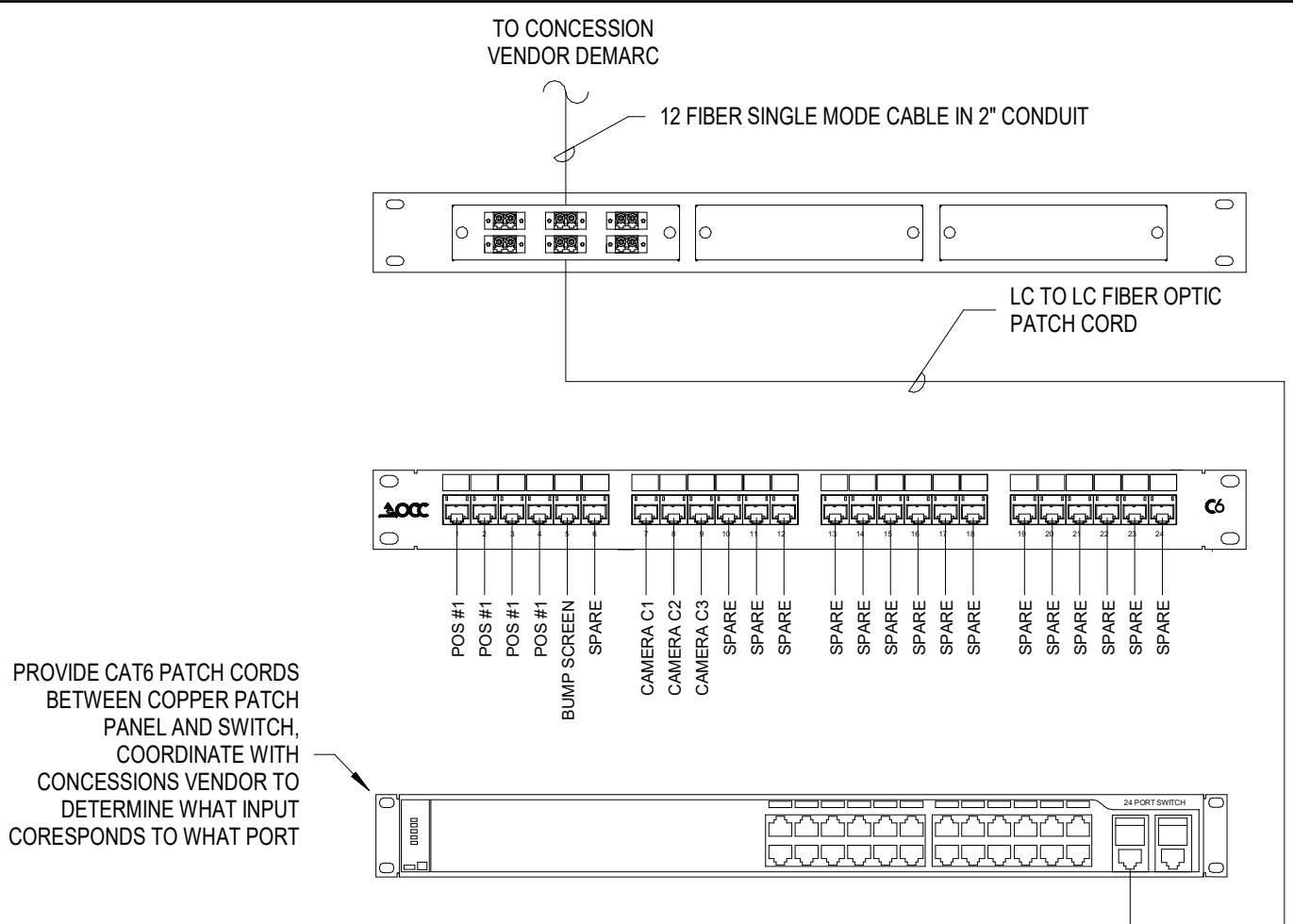
- CONTRACTOR TO MOUNT IT RACK, TELECOMMUNICATION GROUND BAR (TGB), AND FIRE TREATED PLYWOOD ABOVE DOOR AS SHOWN. COORDINATE EXACT LOCATION WITH OWNER'S SITE REPRESENTATIVE AND ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 3/4" FIRE TREATED A/C GRADE PLYWOOD BACKBOARD WITH THE BEST SIDE FACING OUT. ALL IMPERFECTIONS AND VOIDS SHALL BE FILLED, SEALED AND SANDED PRIOR TO BEING PRIMED AND PAINTED WITH TWO (2) COATS OF UL CLASSIFIED, FIRE RETARDANT INTUMESCENT PAINT ON THE FRONT, BACK AND ALL FOUR SIDES OF THE PLYWOOD. FIRE RETARDANT COATING SHALL BE TESTED TO UL723 TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS. COLOR TO MATCH WALL COLOR, AS INDICATED ON ARCHITECTURAL DRAWINGS. BACKBOARDS SHALL BE CLEARLY LABELED WITH THE NAME OF THE BACKBOARD MANUFACTURER, UL CLASSIFICATION OF THE FIRE RETARDANT COATING, NFPA 266 COATING FLAME SPREAD INDEX CLASS AND THE APA GRADE OF THE PLYWOOD.
- CONTRACTOR TO COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF BUMP SCREEN DATA DROP WITH OWNER PRIOR TO ROUGH IN.

D5 KEY NOTES
 SCALE: NOT TO SCALE

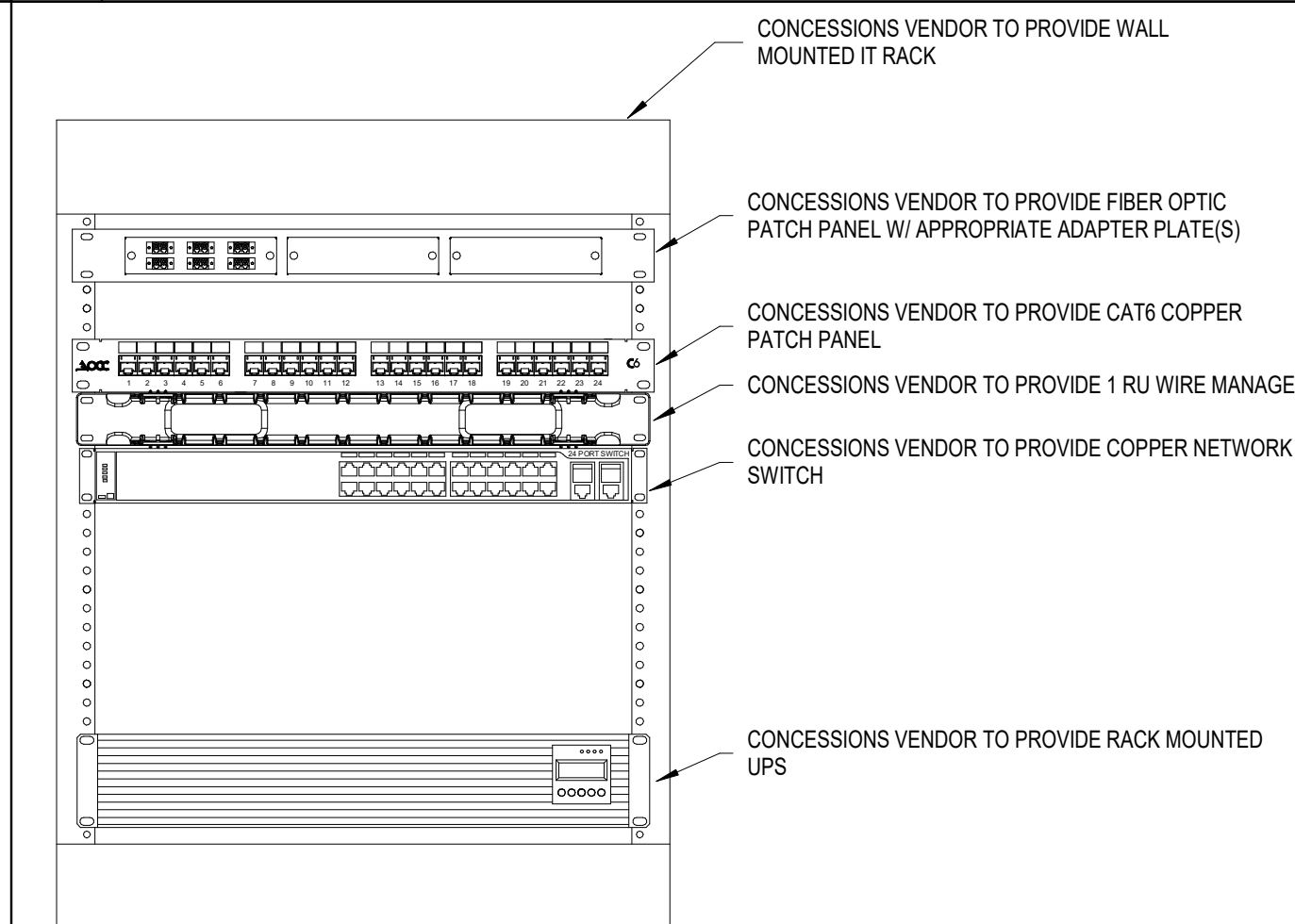
D3 TYPICAL CABLE LABEL DETAIL
 SCALE: NOT TO SCALE



- NOTES:**
- BUSBARS OVER 30" SHALL REQUIRE ADDITIONAL INSULATED SUPPORT.
 - THIS DETAIL IS DIAGRAMMATIC IN NATURE AND NOT ALL REQUIRED CONNECTIONS ARE SHOWN. PROVIDE ALL CONNECTIONS AS REQUIRED FOR EQUIPMENT SERVED AND ANSITIA-607.
- LENGTH AS REQUIRED TO ACCOMMODATE ALL BONDING CONDUCTORS, 12" MIN.
 EXOTHERMIC OR IRREVERSIBLE COMPRESSION TYPIC-HOLE (LUG); TYP EACH BONDING CONNECTION TO TGB.

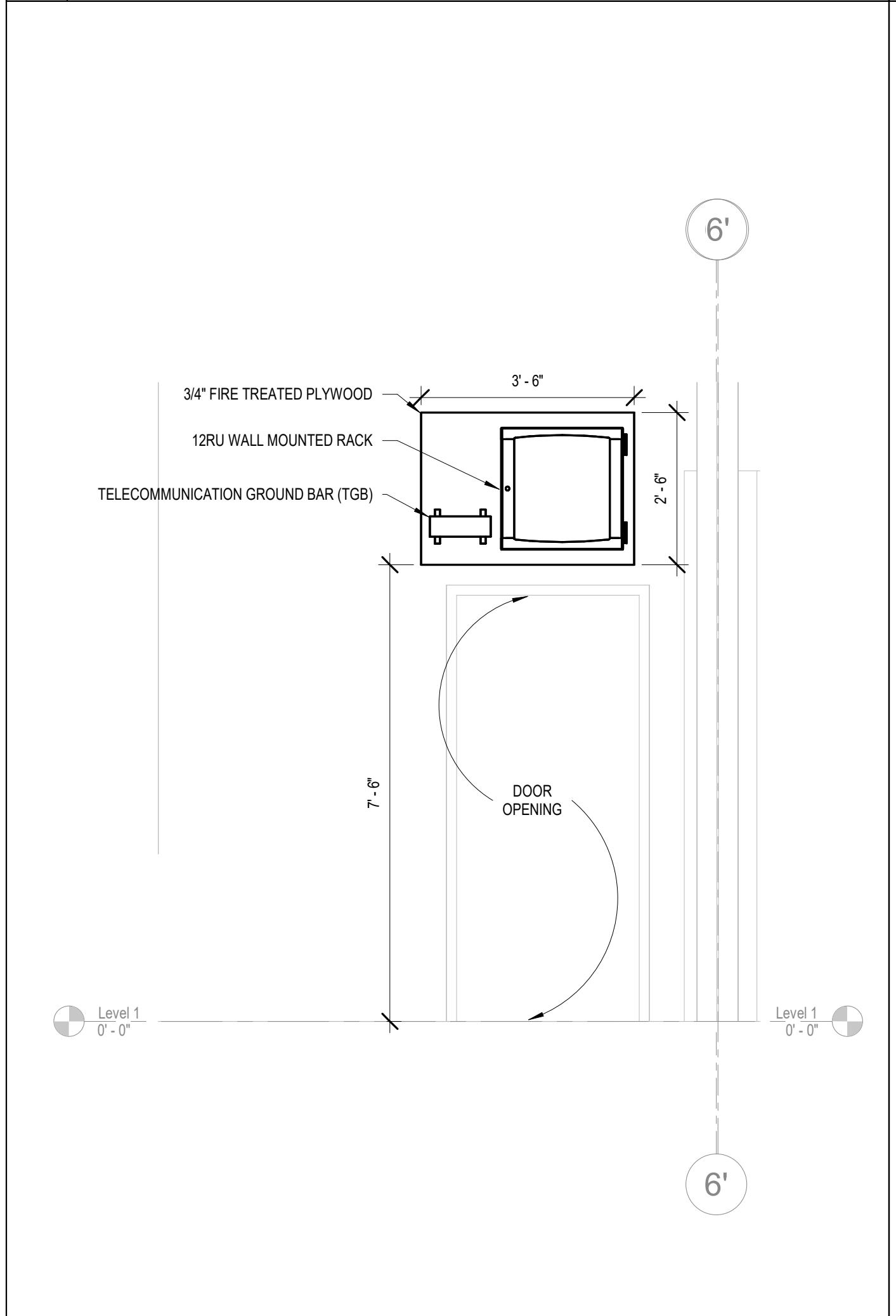


C4 TELECOMMUNICATION RISER DIAGRAM
 SCALE: NOT TO SCALE



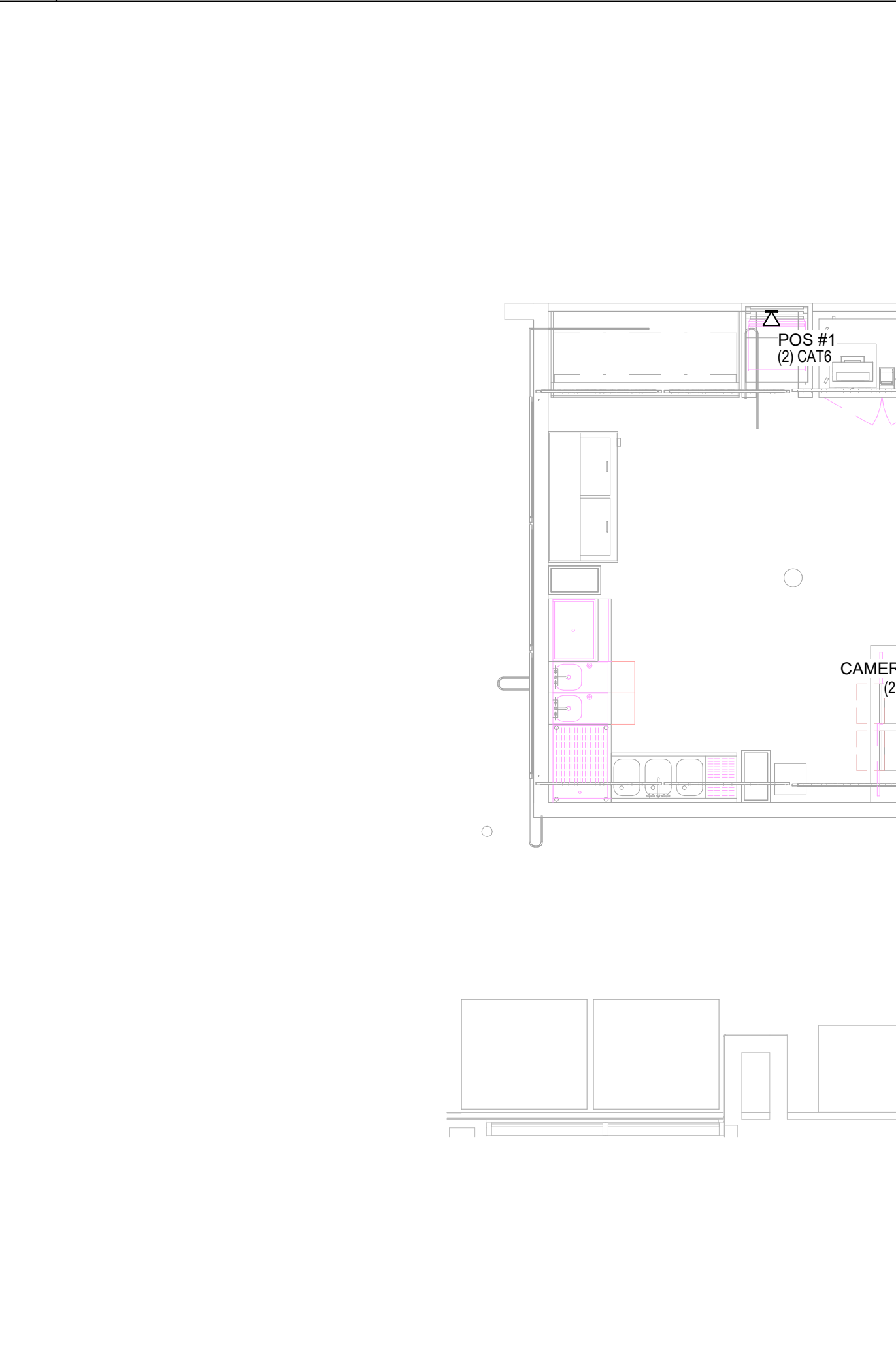
C5 CONCESSIONS WALL RACK ELEVATION
 SCALE: NOT TO SCALE

C3 TYPICAL TGB DETAIL
 SCALE: NOT TO SCALE



A3 CONCESSIONS IT RACK LOCATION
 SCALE: 1/2" = 1'-0"

C4 TELECOMMUNICATION RISER DIAGRAM
 SCALE: NOT TO SCALE



A4 TELECOMMUNICATION FIRST FLOOR PLAN - CONCESSION
 SCALE: 1/4" = 1'-0"

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APPLICABLE CODES:

- 1.) 2021 INTERNATIONAL BUILDING CODE (IBC)
- 2.) 2021 INTERNATIONAL FIRE CODE (IFC)
- 3.) NFPA 70 - 2020, NATIONAL ELECTRIC CODE
- 4.) NFPA 72 - 2019, NATIONAL FIRE ALARM AND SIGNALING CODE
- 5.) NFPA 720 - 2015, CARBON MONOXIDE (CO) DETECTION AND WARNING EQUIPMENT
- 5.) AMERICANS WITH DISABILITIES ACT (ADA)

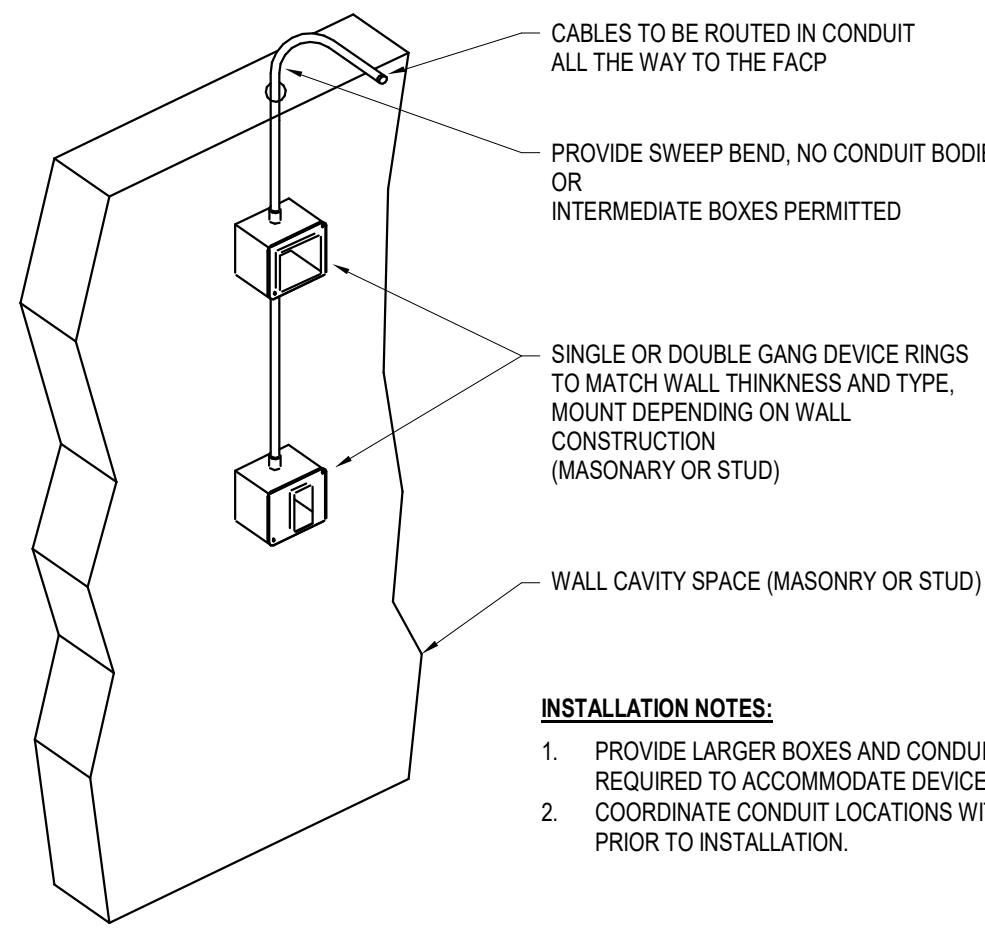
DESIGN CRITERIA:

- 1.) THE DESIGN DOCUMENTS PROVIDED HEREIN IDENTIFY THE MINIMUM SYSTEM REQUIREMENTS, IN ACCORDANCE WITH THE ABOVE REFERENCED CODES AND REGULATIONS.
- 2.) INSTALLATION PERSONNEL SHALL BE SUPERVISED BY PERSONS WHO ARE QUALIFIED AND EXPERIENCED IN THE INSTALLATION, INSPECTION, AND TESTING OF FIRE ALARM SYSTEMS. EXAMPLES OF QUALIFIED PERSONNEL SHALL INCLUDE BUT NOT BE LIMITED TO:
 - A. FACTORY TRAINED AND CERTIFIED PERSONNEL
 - B. NICET LEVEL III OR HIGHER CERTIFIED PERSONNEL
 - C. PERSONNEL LICENSEE OR CERTIFIED BY THE STATE OR LOCAL AUTHORITY, PER NFPA 72
- 3.) THE FIRE ALARM SYSTEM SHALL BE FULLY ADDRESSABLE, PROVIDE HORN NOTIFICATION AND GENERAL EVACUATION SIGNAL FOR THE BUILDING AND REPORT TO AN APPROVED CENTRAL STATION IN ACCORDANCE WITH NFPA 72.
- 4.) THE FIRE ALARM SYSTEM SHALL FUNCTION IN ACCORDANCE WITH THE SEQUENCE OF OPERATIONS MATRIX AND NFPA 72.
- 5.) ALL FIRE ALARM CIRCUITS ENTERING OR LEAVING BUILDINGS SHALL BE PROVIDED WITH APPROVED SURGE PROTECTION DEVICES(S). ALL CONDUCTORS UNDERGROUND SHALL BE RATED FOR WET LOCATIONS. ALL DEVICES AND EQUIPMENT INSTALLED OUTSIDE SHALL BE WEATHERPROOF AND LISTED FOR OUTDOOR USE.
- 6.) PLENUM RATED FIRE ALARM CONDUCTORS SHALL BE ALLOWED TO BE INSTALLED IN PLENUM SPACES. ALL CONDUCTORS IN EXPOSED AREAS OR CONCEALED IN WALLS SHALL BE INSTALLED IN RED EMT CONDUIT. ALL CONDUCTORS INSTALLED BELOW GRADE SHALL BE IN RACEWAY SUITABLE FOR BURIAL UNDERGROUND. CONDUIT HANGER AND MATERIAL, SPACING, AND METHOD OF ATTACHMENT SHALL BE PER NFPA 70, NFPA 72, AND MANUFACTURER'S RECOMMENDATIONS. MINIMUM BURIAL COVER DEPTH SHALL BE NOT LESS THAN 24" WHERE UNDER VEHICLE TRAFFIC AND 6" IN AREAS NOT EXPOSED TO VEHICLE TRAFFIC PER NFPA 70.
- 7.) NOTIFICATION APPLIANCE CIRCUITS SHALL BE 14 GAUGE OR LARGER 2-CONDUCTOR THHN CABLE. FIRE ALARM CONTRACTOR SHALL DETERMINE CABLE BASED ON FIRE ALARM MANUFACTURER REQUIREMENTS AND CABLE LENGTH LIMITATIONS. ALL STYLES OF CLASS A CIRCUITS SHALL BE INSTALLED SUCH THAT THE OUTGOING AND RETURN CONDUCTORS, EXITING FROM AND RETURNING TO THE CONTROL UNIT/TERMINAL CABINET, RESPECTIVELY, ARE ROLLED SEPARATELY. THE OUTGOING AND RETURN CIRCUIT CONDUCTORS SHALL NOT BE RUN IN THE SAME CABLE ASSEMBLY, ENCLOSURE, OR RACEWAY. THE REQUIRED MINIMUM SEPARATION BETWEEN CONDUCTORS SHALL BE 1" WHERE THE CABLE IS INSTALLED VERTICALLY AND 4" WHERE THE CABLE IS INSTALLED HORIZONTALLY.
- 8.) USE SUITABLE CABLE FITTINGS AND CONNECTORS WHERE CABLING ENTERS EXITS ALL JUNCTION AND DEVICE BACK BOXES. LEAVE 18" EXCESS CABLE AT EACH TERMINATION AT A DEVICE AND OTHER SYSTEM OUTLET. LEAVE 6" EXCESS CABLE AT EACH TERMINATION AT SYSTEM CONTROL PANELS OR POWER SUPPLIES.
- 10.) SPLICE CABLE ONLY IN ACCESSIBLE JUNCTION BOXES OR AT TERMINAL BLOCK UNITS. THERE SHALL BE NO TAPPING OF SLC CIRCUITS BETWEEN TERMINAL CABINETS AND THE LAST INITIATING DEVICE ON THE SLC CIRCUIT. THE ONLY TAPPING IN THE SYSTEM SHALL TAKE PLACE AT THE TERMINAL CABINETS. SEVERAL SLC CIRCUITS FROM A TERMINAL CABINET MAIN RISER SLC MAY BE DISTRIBUTED ON A FLOOR FROM A TERMINAL CABINET IF SO DESIRED FOR WIRING PURPOSES. MAKE CABLE SHIELDS CONTINUOUS AT ALL SPLICES AND CONNECT CIRCUIT SHIELD TO EQUIPMENT GROUND ONLY AT SOURCE END.
- 11.) SPRINKLER VALVE TAMPER SWITCHES AND WATER FLOW SWITCHES SHALL BE PROVIDED BY FIRE SPRINKLER CONTRACTOR. FIRE ALARM CONTRACTOR SHALL PROVIDE, INSTALL, WIRE, AND PROGRAM MONITOR MODULES. MONITOR MODULES SHALL BE MOUNTED NOT MORE THAN 3" FROM AIR DIFFUSERS/RETURN AIR GRILLES OR AIR HANDLING SYSTEMS. SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL CONSTRUCTION IS ESSENTIALLY COMPLETE AND THE BUILDING HAS BEEN THOROUGHLY CLEANED. MERELY PROVIDED DETECTORS WITH FACTOR DUST COVERS AND INSTALLING EARLY IN CONSTRUCTION IS NOT ACCEPTABLE. IF DETECTORS ARE INSTALLED PRIOR TO THE FULL FINAL CLEANING OF THE BUILDING, THE FIRE ALARM CONTRACTOR SHALL REMOVE EVERY DETECTOR IN THE BUILDING AND HAVE THEM THOROUGHLY CLEANED AND DECERTIFIED BY A FACTORY CERTIFIED TECHNICIAN.
- 12.) HEAT DETECTORS SHALL BE MOUNTED IN RELATION TO HEAT PRODUCING EQUIPMENT. COORDINATE INSTALLATION WITH ALL OTHER TRADES. ALL SMOKE AND HEAT DETECTORS SHALL BE AT LEAST 12" FROM ANY PART OF A LIGHT FIXTURE AND A MINIMUM OF 3" FROM AIR DIFFUSERS/RETURN AIR GRILLES OR AIR HANDLING SYSTEMS. SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL CONSTRUCTION IS ESSENTIALLY COMPLETE AND THE BUILDING HAS BEEN THOROUGHLY CLEANED. MERELY PROVIDED DETECTORS WITH FACTOR DUST COVERS AND INSTALLING EARLY IN CONSTRUCTION IS NOT ACCEPTABLE. IF DETECTORS ARE INSTALLED PRIOR TO THE FULL FINAL CLEANING OF THE BUILDING, THE FIRE ALARM CONTRACTOR SHALL REMOVE EVERY DETECTOR IN THE BUILDING AND HAVE THEM THOROUGHLY CLEANED AND DECERTIFIED BY A FACTORY CERTIFIED TECHNICIAN.
- 13.) FIRE ALARM SYSTEM SHALL INCLUDE FULL IDENTIFICATION. ALL SYSTEM CONDUIT, JUNCTION BOXES, TERMINAL BOXES, PULL BOXES, AND COVERS SHALL BE RED IN CONCEALED SPACES AND SHALL BE IDENTIFIED WITH ENGRAVED LABELS BY THE ZONE AND CIRCUIT IT CONTAINS. ALL LBS AND SIMILAR UNITS SHALL BE THE COLOR RED IN CONCEALED SPACES. ALL CONDUIT, BOXES, AND COVERS LOCATED IN EXPOSED AREAS MAY BE PAINTED TO MATCH SURROUNDING FINISH. HOWEVER, SHALL STILL BE PROVIDED WITH ENGRAVED LABELS. ALL DETECTION AND TERMINAL DEVICES SHALL HAVE ENGRAVED PLASTIC ALPHANUMERIC IDENTIFICATION. LABEL ALL FIRE ALARM DEVICES WITH ADDRESSES. ONLY PRINTED STICK ON TYPE LABELS SHALL BE USED. LABELING DEVICE WITH MARKERS IS NOT ACCEPTABLE. THE PRINTED STICK ON TYPE LABELS MUST BE VISIBLE UPON APPROACH TO THE DEVICE AND BE MADE OF SUCH A MATERIAL TO RESIST FADING OR EASY REMOVAL.
- 14.) ALL PENETRATIONS THROUGH FIRE/SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE OF U.L. LISTED ASSEMBLY.

SYSTEM NOTES:

- 1.) FIRE ALARM SYSTEM EQUIPMENT, DEVICES, AND COMPONENTS SHALL BE PRODUCTS OF THE SAME MANUFACTURER. ALL EQUIPMENT CONSTRUCTED AND INSTALLED IN CONFORMANCE WITH THESE DOCUMENTS SHALL BE LISTED FOR THE PURPOSE FOR WHICH IT IS USED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND NFPA 72.
- 2.) FIRE ALARM SYSTEM PANELS AND POWER SUPPLIES:
 - A. PROVIDE 120-VAC POWER AT 60 HZ TO THE FIRE ALARM CONTROL PANELS FROM A DEDICATED BRANCH CIRCUIT PER NFPA 72
 - B. ALL POWER SUPPLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 70 FOR SUCH EQUIPMENT AND PER NFPA 72
 - C. CIRCUIT DISCONNECTION MEANS SHALL BE RED, SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT" PER NFPA 72. THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL PANEL PER NFPA 72
 - D. ALL PRIMARY AND SECONDARY POWER SUPPLIES SHALL BE SUPERVISED PER NFPA 72
 - E. ALL MEANS OF INTERCONNECTING EQUIPMENT, DEVICES, AND APPLIANCES INCLUDING WIRING CONNECTIONS SHALL BE SUPERVISED FOR CIRCUIT INTEGRITY OF THE INTERCONNECTING CONDUCTORS OR EQUIVALENT PER NFPA 72
 - F. EACH FIRE ALARM SYSTEM CONTROL PANEL AND POWER SUPPLY SHALL BE CONNECTED TO A SEPARATE GROUNDING ROD PER NFPA 70.
- 2.) OPERATION OF AN AUTOMATIC FIRE PROTECTION SYSTEM SHALL CAUSE AN ALARM SIGNAL AT THE FIRE ALARM CONTROL PANEL.
- 3.) MANUAL FIRE ALARM BOXES SHALL BE LOCATED WITHIN 5' OF THE ENTRANCE TO EACH EXIT, SHALL BE MOUNTED SECURELY, AND THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX SHALL BE 42" TO 48" ABOVE FINISHED FLOOR. OPERATIONS OF MANUAL FIRE ALARM BOX SHALL CAUSE AN ALARM SIGNAL AT THE FIRE ALARM CONTROL PANEL.
- 4.) VISUAL NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED.
- 5.) NOTIFICATION APPLIANCE CIRCUITS SHALL NOT EXCEED 75% OF POWER LOAD AVAILABLE FROM THE FIRE ALARM CONTROL PANEL OR POWER SUPPLY.
- 6.) CONDUIT AND RACEWAY INSTALLED IN VERTICAL POSITION SHALL BE PARALLEL WITH WALLS AND PERPENDICULAR WITH THE FLOOR AND CEILING. CONDUIT INSTALLED IN A HORIZONTAL POSITION SHALL BE PARALLEL WITH THE FLOOR AND CEILING AND PERPENDICULAR WITH THE WALLS.
- 7.) WIRING IN TERMINAL CABINETS, CONTROL PANELS, POWER SUPPLIES, AND BOXES SHALL BE PLACED PARALLEL AND PERPENDICULAR TO THE MAJOR AXIS. CONDUCTORS SHALL BE PERMANENTLY MARKED AND TERMINATED ON SCREW TERMINALS.
- 8.) FIRE ALARM EQUIPMENT SHALL BE INSTALLED IN LOCATIONS WHERE CONDITIONS DO NOT EXCEED THE VOLTAGE, TEMPERATURE, AND HUMIDITY LIMITS SPECIFIED PER NFPA 72.
- 9.) FIRE ALARM DEVICES AND APPLIANCES INSTALLED OUTDOORS SHALL BE WEATHER-PROOF AND SHALL BE LISTED FOR OUTDOOR USE. INITIATING DEVICES INSTALLED OUTDOORS SHALL BE CONVENTIONAL TYPE MONITORED BY ADDRESSABLE MONITOR MODULE(S) INSTALLED IN A CONFINED AREA. THE MONITOR MODULE MONITORING CIRCUIT SHALL BE EXTENDED OUTSIDE TO THE DEVICE BEING MONITORED.
- 10.) ALL FIRE ALARM CIRCUITS THAT ENTER AND/OR EXIT BUILDINGS SHALL BE PROVIDED WITH SURGE SUPPRESSION PER NFPA 70. SURGE SUPPRESSION SHALL BE LISTED TO UL 864, SHALL BE ACCEPTABLE FOR USE ON THE FIRE ALARM SYSTEM BY THE FIRE ALARM EQUIPMENT MANUFACTURER. THE FIRE ALARM CONTRACTOR SHALL ENSURE THE USE OF SURGE SUPPRESSION WILL NOT NEGATIVELY IMPACT THE OPERATION OF THE FIRE ALARM SYSTEM CIRCUITS.
- 11.) FIRE ALARM DEVICES SHALL BE SUPPORTED INDEPENDENTLY OF THEIR ATTACHED CONDUCTORS AND RACEWAY PER NFPA 72.

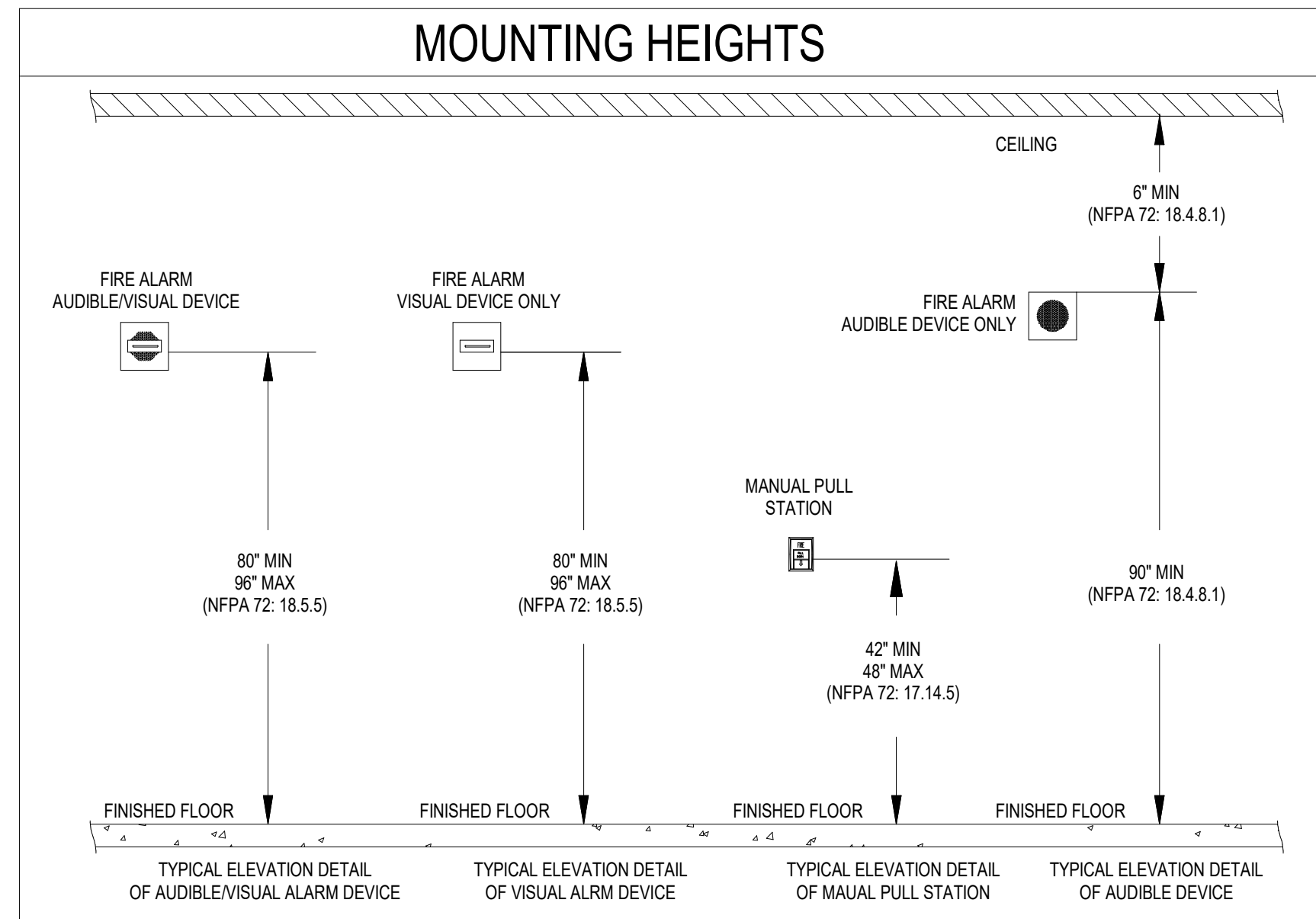
WIRE LEGEND				
A = 2 CONDUCTOR #14 TWISTED SHIELDED PAIR - SLC				
B = 2 CONDUCTOR #12 THHN SOLID - NAC STROBES				
C = 2 CONDUCTOR #14 THHN SOLID - NAC SPEAKERS				
* RESIZE CONDUCTORS AS NEEDED IN ORDER TO COMPLY WITH NEC VOLTAGE DROP REQUIREMENTS				
CIRCUIT TYPE/STYLE LEGEND				
ALL CIRCUITS ARE COPPER CONDUCTORS - NFPA 72 SECTION 12.3 DESIGNATIONS				
WIRE SELECTION SHALL CONFORM TO NFPA 70 AND MANUFACTURER REQUIREMENTS.				
FACP NETWORK CIRCUIT = CLASS A				
INITIATING DEVICE CIRCUIT (IDC) = CLASS B				
SIGNALLING LINE CIRCUIT (SLC) = CLASS B				
NOTIFICATION APPLIANCE CIRCUIT (NAC) = CLASS B				
PATHWAY SURVIVABILITY SHALL BE LEVEL 1 OR BETTER IN ACCORDANCE WITH NFPA 72 SECTION 12.4.				
COMMON SUBSCRIPT LEGEND				
WP = WEATHER PROOF				
C = CEILING MOUNTED				
TS = TAMPER SWITCH				
FS = FLOW SWITCH				
AFF = ABOVE FINISHED FLOOR				
FIRE ALARM SYMBOLS				
SYMBOL	DESCRIPTION	PROVIDED BY	INSTALLED BY	CONNECTED BY
	FIRE ALARM CONTROL PANEL [EXISTING]	N/A	N/A	N/A
	REMOTE ANNUNCIATOR PANEL [EXISTING]	N/A	N/A	N/A
	WALL MOUNTED HORN/STROBE NOTIFICATION DEVICE XX = CANDELA SETTING	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR
	WALL MOUNTED STROBE NOTIFICATION DEVICE XX = CANDELA SETTING	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR
	CEILING MOUNTED SPEAKER/STROBE NOTIFICATION DEVICE XX = CANDELA SETTING	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR
	ADDRESSABLE DUAL INTERFACE MONITOR MODULE	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR
	ADDRESSABLE INTERFACE MODULE W/ RELAY	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR
	TAMPER SWITCH	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR
	WATER FLOW SWITCH	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR
	DUCT SMOKE DETECTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR
	CARBON MONOXIDE DETECTOR W/ SOUNDER BASE	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR
	END OF LINE RESISTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR	FIRE ALARM CONTRACTOR



C1 TYP. WALL MOUNTED FIRE ALARM DEVICE RACEWAY DETAIL SCALE: NOT TO SCALE

C2 FIRE ALARM GENERAL NOTES SCALE: NOT TO SCALE

C4 FIRE ALARM LEGEND SCALE: NOT TO SCALE



A1 FIRE ALARM DEVICE MOUNTING GUIDE SCALE: NOT TO SCALE

A3 FIRE ALARM SYSTEM MATRIX SCALE: NOT TO SCALE

		SYSTEM OUTPUTS													
		FACP Annunciation Required Fire Safety Functions													
		A	B	C	D	E	F	G	H	I	J	K	L	M	COMMENTS
SYSTEM INPUTS															
ALARM INPUTS															
1	AREA SMOKE DETECTORS	X	X					X	X	X				X	1
2	MANUAL FIRE ALARM BOX	X	X					X	X	X				X	2
3	BUILDING WATER FLOW SWITCHES	X	X					X	X	X				X	3
4	ANY 2ND DEVICE IN ALARM BEFORE RESET	A	A					A	A	A				A	4
5	CARBON MONOXIDE DETECTOR			X	X							X			
SUPERVISORY INPUTS															
6	DUCT SMOKE DETECTORS			X	X				X	X			X		5
7	OS&Y VALVE TAMPER SWITCHES			X	X				X	X					6
TROUBLE INPUTS															
8	GROUND FAULT					X	X		X				X		7
9	SHORT CIRCUIT					X	X		X				X		8
10	OPEN CIRCUIT					X	X		X				X		9
11	BATTERY FAIL					X	X		X				X		10
12	A/C POWER FAIL					X	X		X				X		11
13	MISC. GENERAL SYSTEM TROUBLE					X	X		X				X		12
		A	B	C	D	E	F	G	H	I	J	K	L	M	
NOTES															
REF. #	DESCRIPTION														
1	FIRE ALARM CONTROL PANEL IS EXISTING.														
		SYMBOL LEGEND													
		X SYSTEM INPUT CAUSES SYSTEM OUTPUT FUNCTION.													
		A OUTPUT IS 'ON' FROM PREVIOUS ALARM THAT IS NOT RESET.													

A3 FIRE ALARM SYSTEM MATRIX SCALE: NOT TO SCALE

C&S COMPANIES

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DRBA DELAWARE RIVER & BAY AUTHORITY

ILG TERMINAL DEPARTURE LOUNGE
CONCESSION
DELAWARE RIVER & BAY AUTHORITY
151 N DUPONT HWY, NEW CASTLE, DELAWARE

MARK	DATE	DESCRIPTION
REVISIONS		
	PROJECT NO:	872.014.008
	DATE:	JUNE 2026
	DRAWN BY:	S.P. ZAFERAKIS
	DESIGNED BY:	S.P. ZAFERAKIS
	CHECKED BY:	B.R. DONNER

LEGEND,
ABBREVIATIONS,
GENERAL NOTES,
DETAILS, & I/O MATRIX

C-FA-001

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2

3

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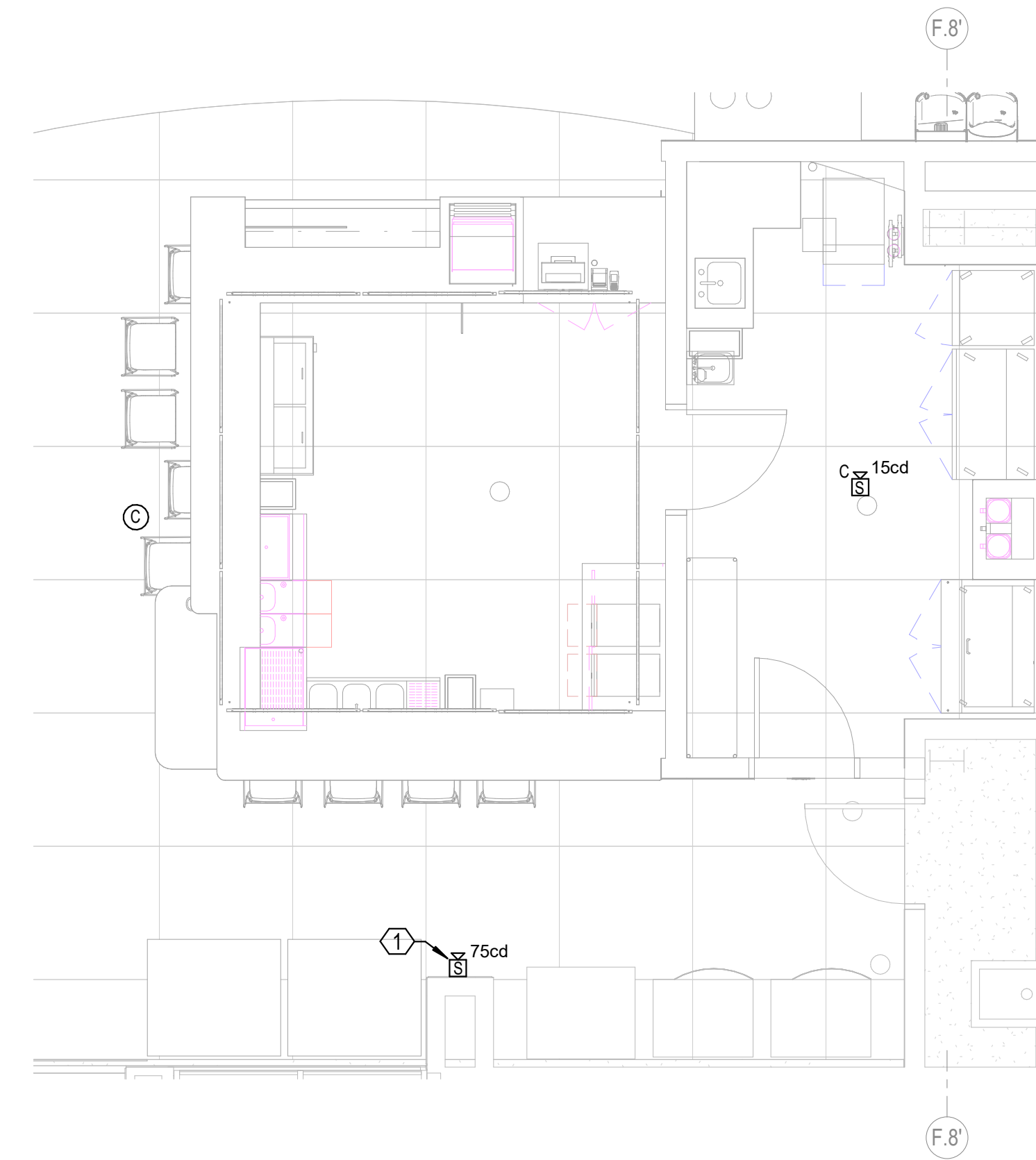
5

① ENSURE TOP OF STROBE IS LESS THAN 8'-0" AFF TO AVOID CONFLICT WITH ARCHITECTURAL GLASS PANELING. COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECTURAL FINISHES.

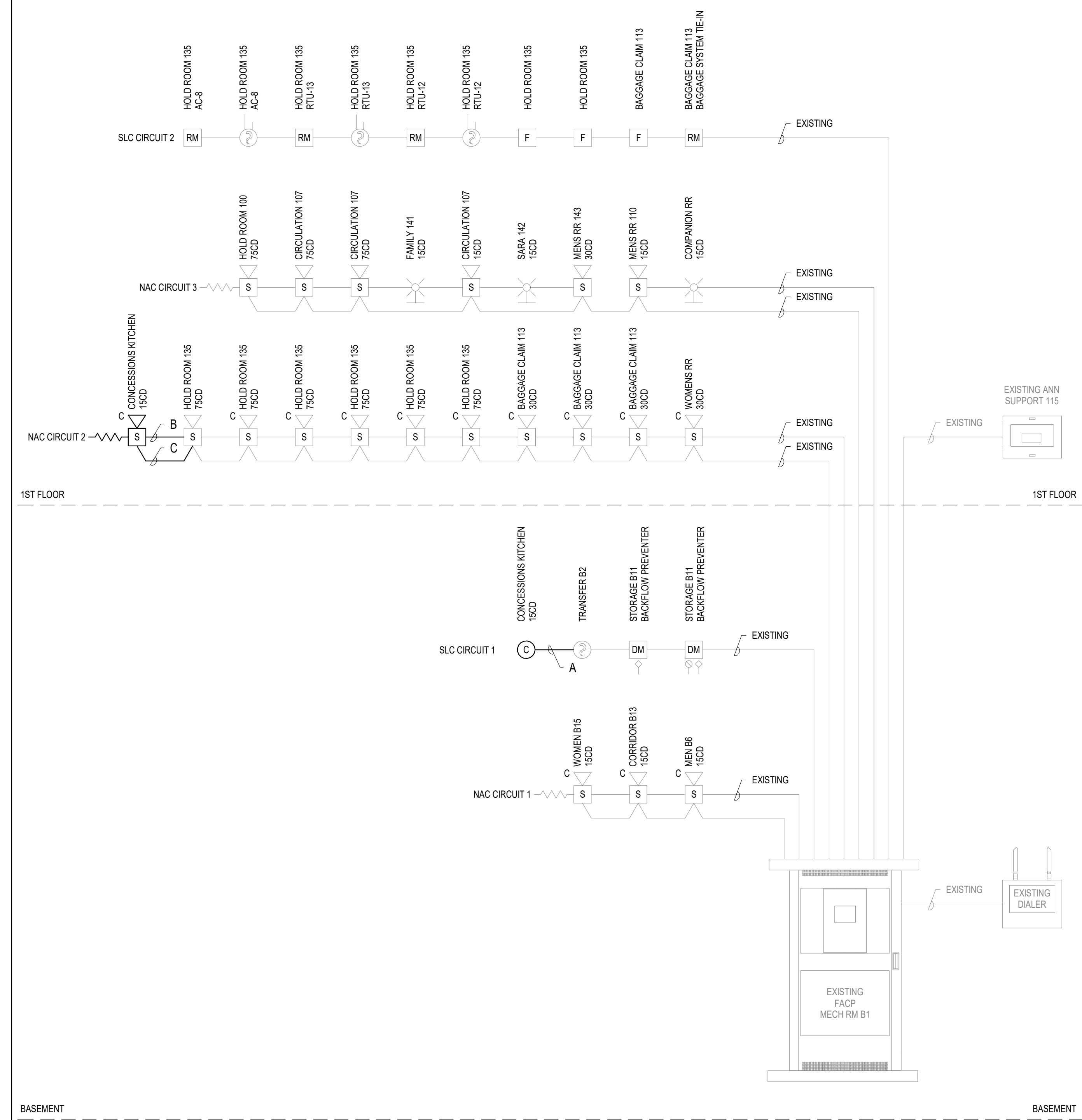
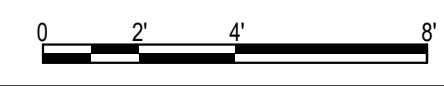
1. REFER TO SHEET FA-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
 2. UNLESS OTHERWISE NOTED, BOLD LINE TYPES DENOTE NEW EQUIPMENT WHILE LIGHT GREY LINES DENOTE EXISTING EQUIPMENT.

E4 KEY NOTES
 SCALE: NOT TO SCALE

E5 GENERAL NOTES
 SCALE: NOT TO SCALE



D4 FIRE ALARM FIRST FLOOR PLAN - CONCESSION
 SCALE: 1/4" = 1'-0"



A4 PARTIAL FIRE ALARM RISER
 SCALE: NOT TO SCALE

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**ILG TERMINAL DEPARTURE LOUNGE
 CONCESSION
 DELAWARE RIVER & BAY AUTHORITY
 151 N DUPONT HWY, NEW CASTLE, DELAWARE**

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 872.014.008
 DATE: JUNE 2026
 DRAWN BY: S.P. ZAFERAKIS
 DESIGNED BY: S.P. ZAFERAKIS
 CHECKED BY: B.R. DONNER

FIRE ALARM PLAN AND RISER DIAGRAM

C-FA-101