COLD SUMMIT DEVELOPMENT

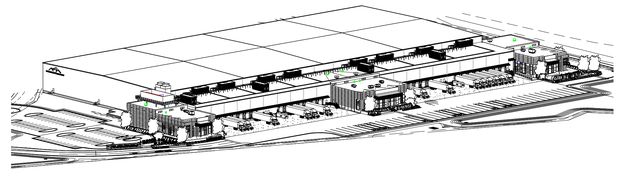
LOVE. LISTEN. COMMUNICATE.

COLD SUMMIT NORTH CAROLINE / A NEW COLD STORAGE FACILITY

187 RALEIGH STREET
WILMINGTON, NC 28412

Project Number: 20-086

ISSUED FOR PERMIT 12/12/22



GENERAL CONTRACTOR:

PRIMUS BUILDERS, INC.
8294 Highway 92, Suite 210
Woodstock, GA 30189
tel. 770.928.7120
www.primusbuilders.com

ARCHITECT:

JOANA BERLING AIA
656 KING STREET
CHARLESTON, SC 29403
843.849.7407 TEL.

STRUCTURAL:

ANTHONY D. OOTEN, P.E.
8294 HIGHWAY 92, SUITE 210
WOODSTOCK, GEORGIA 30189
770.575.5790 TEL.

CIVIL:

CIVIL ENGINEER

MECH./PLUMB. :

TIMOTHY M. TAYLOR, P.E.
8294 HIGHWAY 92, SUITE 210
WOODSTOCK, GEORGIA 30189
770.575.5790 TEL.

ELECTRICAL:

CRAIG L. MOLNAR P.E.
10927 CRABAPPLE ROAD
ROSWELL, GA 30075
770.992.5077 TEL.

REFRIGERATION:

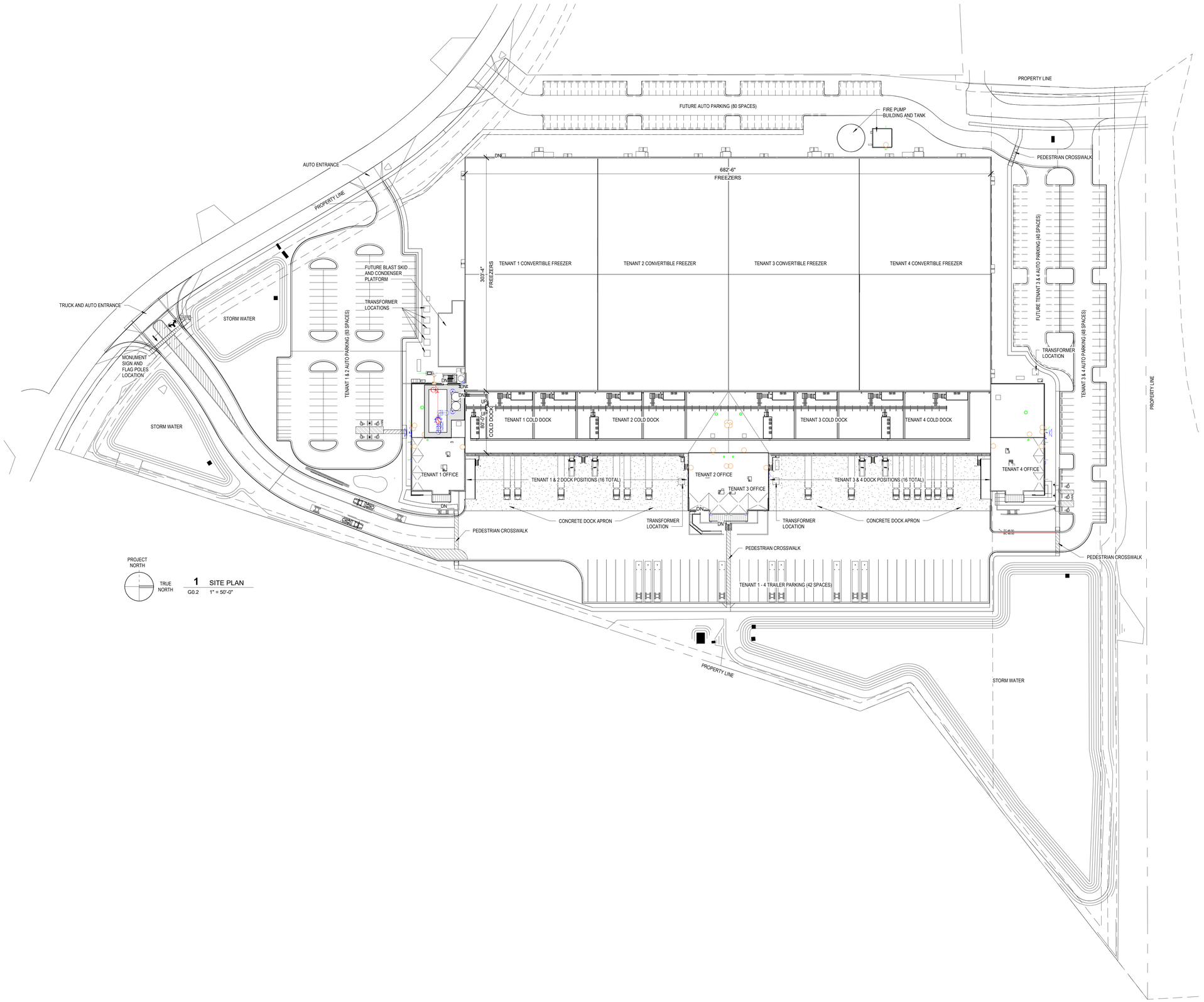
REFRIGERATION CONTRACTOR

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PROJECT INFORMATION

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A NEW REFRIGERATED WAREHOUSE FACILITY

COLD SUMMIT DEVELOPMENT
LOVE. LISTEN. COMMUNICATE.

187 RALEIGH STREET WILMINGTON, NC 28412

12/12/22	ISSUED FOR PERMIT
11/29/2022	60% PROGRESS ISSUE
date	description

drawing status

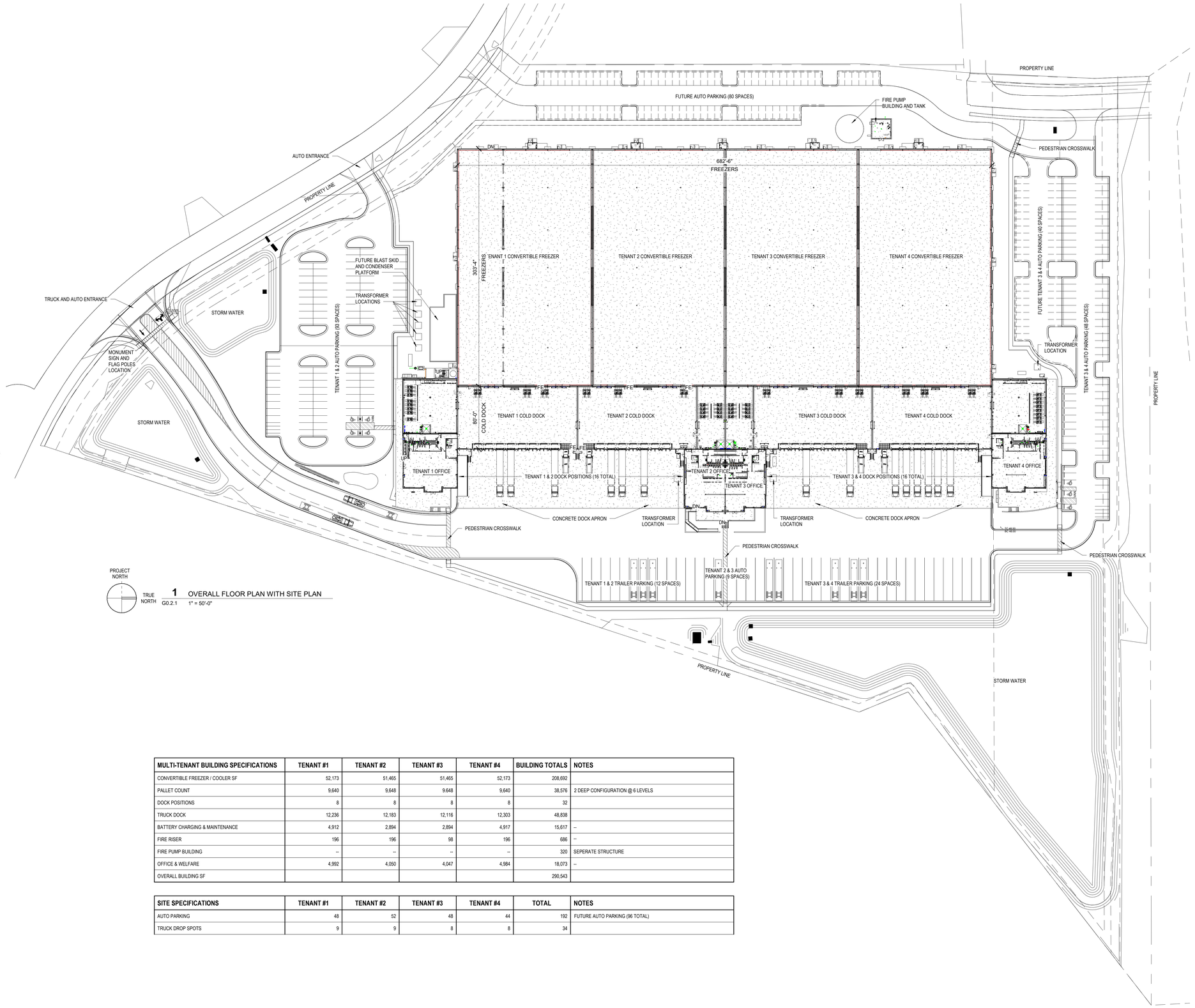
project no. 20-086

seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
ARCHITECTURAL SITE PLAN

sheet G0.2



1 OVERALL FLOOR PLAN WITH SITE PLAN
G0.2.1 1" = 50'-0"

MULTI-TENANT BUILDING SPECIFICATIONS	TENANT #1	TENANT #2	TENANT #3	TENANT #4	BUILDING TOTALS	NOTES
CONVERTIBLE FREEZER / COOLER SF	52,173	51,465	51,465	52,173	208,692	
PALLET COUNT	9,640	9,648	9,648	9,640	38,576	2 DEEP CONFIGURATION @ 6 LEVELS
DOCK POSITIONS	8	8	8	8	32	
TRUCK DOCK	12,236	12,183	12,116	12,303	48,838	
BATTERY CHARGING & MAINTENANCE	4,912	2,894	2,894	4,917	15,617	--
FIRE RISER	196	196	98	196	686	--
FIRE PUMP BUILDING	--	--	--	--	320	SEPERATE STRUCTURE
OFFICE & WELFARE	4,992	4,050	4,047	4,984	18,073	--
OVERALL BUILDING SF					290,543	

SITE SPECIFICATIONS	TENANT #1	TENANT #2	TENANT #3	TENANT #4	TOTAL	NOTES
AUTO PARKING	48	52	48	44	192	FUTURE AUTO PARKING (96 TOTAL)
TRUCK DROP SPOTS	9	9	8	8	34	

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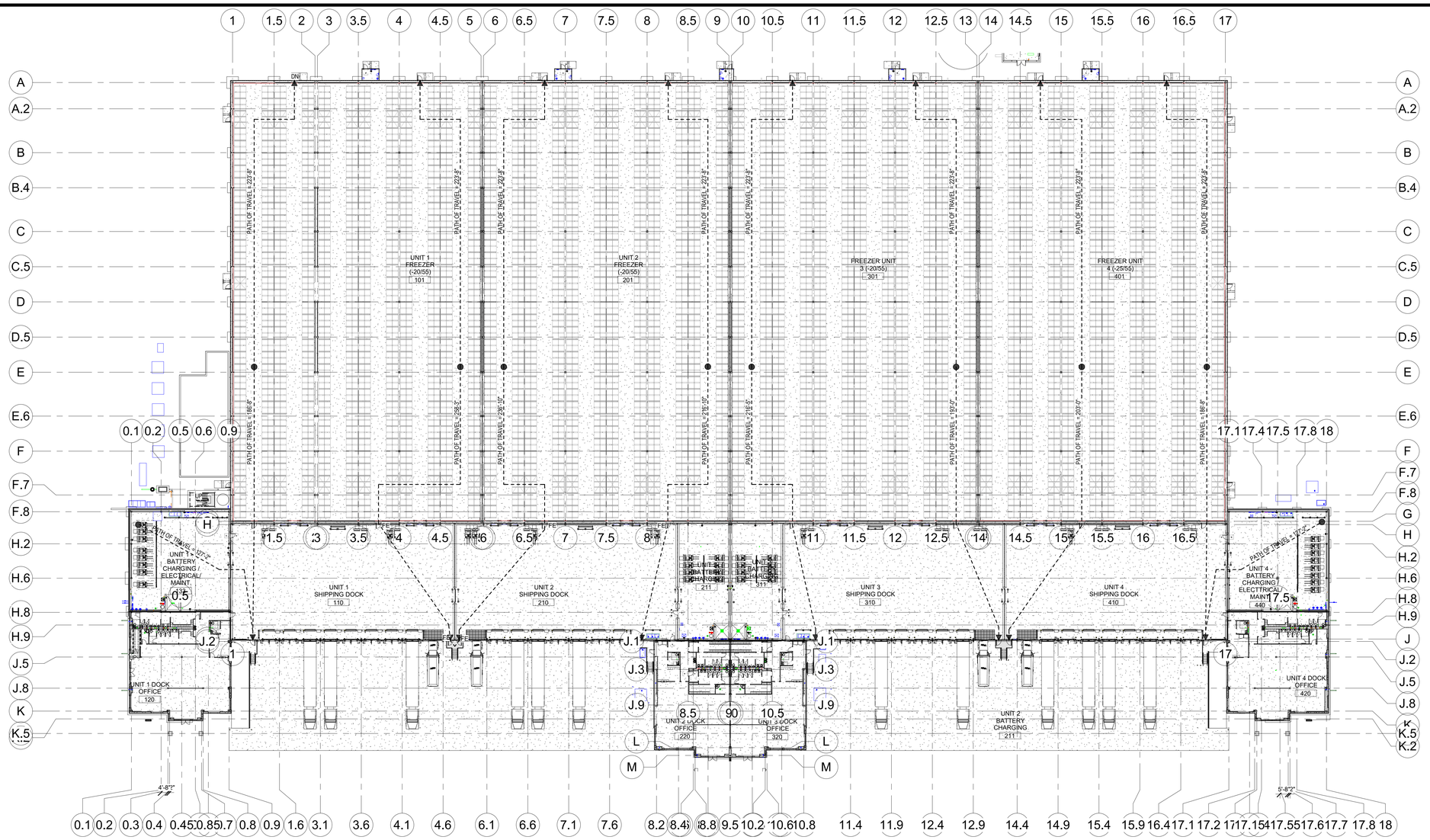
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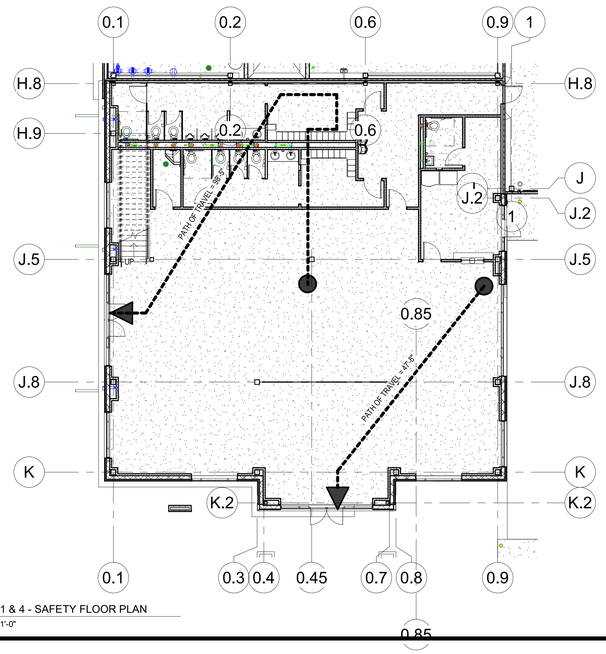
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
ARCHITECTURAL SITE - PLAN LEVEL VIEW

sheet G0.2.1

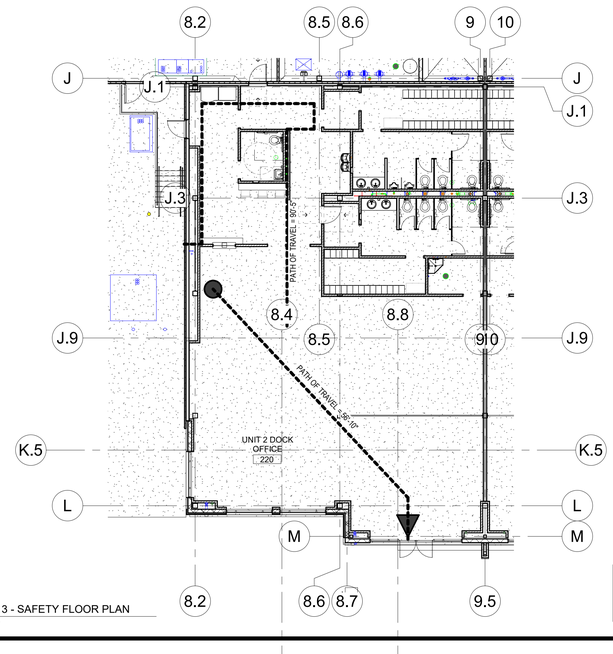


1 SAFETY FLOOR PLAN
G0.3 1/32" = 1'-0"



2 UNIT 1 & 4 - SAFETY FLOOR PLAN
G0.3 3/32" = 1'-0"

NOTE:
OFFICE SUIT #1, #2, #3, AND #4 TO BE PROVIDED WITH UTILITY STUB UP AND CAPACITY FOR MEP SUPPORT. AREAS TO BE PERMITTEDD AS SHELL SPACE ONLY.



3 UNIT 2 & 3 - SAFETY FLOOR PLAN
G0.3 3/32" = 1'-0"

NOTE:
OFFICE SUIT #1, #2, #3, AND #4 TO BE PROVIDED WITH UTILITY STUB UP AND CAPACITY FOR MEP SUPPORT. AREAS TO BE PERMITTEDD AS SHELL SPACE ONLY.

NOTES:

TRAVEL DISTANCE ALLOWED: 400'.

COMMON PATH OF TRAVEL: 100'.

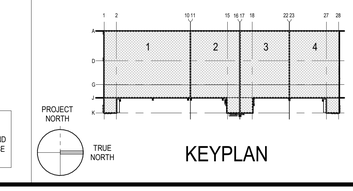
DEAD END CORRIDOR: MAXIMUN LENGHT - 20' OR 2.5 TIMES CORRIDOR WIDTH FOR S-W OCCUPANCY.

PROFIDE A MINIMUM 4A:40 BC RATED FIRE EXTINGUISHER WITHIN 75' OF TRAVEL DISTANCE OF ALL PARTS OF THE STRUCTURE.

LIFE SAFETY LEGEND

REFER TO ELECTRICAL FOR COMPLETE LIST

FE	FE - FIRE EXTINGUISHER PER LOCAL JURISDICTION. COORDINATE LOCATIONS IN FIELD.
	FEC - FIRE EXTINGUISHER CABINET, SEMI-RECESSED
	EXIT SIGN
10	OCCUPANCY COUNT OF AREA
P	DOOR PROVIDED W/ PANIC HARDWARE OR PUSH/PULL
EXIT DOOR CAP | LOAD XX" CLEAR	CAP - EXIT CAPACITY LOAD - ANTICIPATED LOAD
	PATH OF TRAVEL
XXX'	TRAVEL DISTANCE FROM POINT OF ORIGIN GTO EGRESS DOOR



KEYPLAN

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NORTH CAROLINA REGISTERED 15448 ARCHITECT JOJANA K. BERLING

title
LIFE SAFETY PLAN

sheet
G0.3

2018 APPENDIX B - BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

NAME OF PROJECT:	COLD SUMMIT DEVELOPMENT - WILMINGTON, NC				
ADDRESS:	187 RALEIGH STREET				
	WILMINGTON, NC			**ZIP CODE:**	28412
OWNER/AUTHORIZED AGENT:	BRAD BLOCKER				
PHONE:	- (904) 945-7288	**EMAIL:**	BRAD@COLDSUMMIT.COM		
OWNED BY:	COLD SUMMIT DEVELOPMENT	☐ CITY / COUNTY	■ PRIVATE	☐ STATE	
CODE ENFORCEMENT JURISDICTION:		☐ CITY: WILMINGTON	☐ COUNTY: NEW HANOVER	■ STATE	

CONTACT:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	EMAIL
ARCHITECTURAL	PRIMUS BUILDERS, INC.	JOANA K. BERLING	15448	(305) 934-7913	joana.berling@novusa.com
CIVIL	PARAMOUNTE ENGINEERING	JEREMY R. BLAIR	28852	(910) 791-6707	jblair@paramounte-eng.com
ELECTRICAL	PRIMUS BUILDERS, INC.				
FIRE ALARM	AHERN FIRE PROTECTION	VINCE HUMPHREYS		(920) 921-9020	mhumphreys@ahernfire.com
PLUMBING	PRIMUS BUILDERS, INC.				
MECHANICAL	PRIMUS BUILDERS, INC.				
SPRINKLER-STANDPIPE					
STRUCTURAL	PRIMUS BUILDERS, INC.				
RETAINING WALL > 5' HIGH					
REFRIGERATION	INNOVATIVE REFRIGERATION	MICHAEL MCGINNIS, JR.		(540) 836-1383	mmcginnnis@r717.net

2018 NC BUILDING CODE:	■ NEW BUILDING	☐ ADDITION	☐ RENOVATION
	☐ 1ST TIME INTERIOR COMPLETION		
	☐ SHELL / CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS		
	☐ PHASED CONSTRUCTION - SHELL / CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS		
2018 NC EXISTING BUILDING CODE: EXISTING:	☐ PRESCRIPTIVE	☐ REPAIR	☐ CHAPTER 14
ALTERATION:	☐ LEVEL I	☐ LEVEL I I	☐ LEVEL I I I
	☐ HISTORIC PROPERTY	☐ CHANGE OF USE	
CONSTRUCTED: (DATE) -	**CURRENT OCCUPANCY (S)** (CH. 3): M		
RENOVATED: (DATE) -	**PROPOSED OCCUPANCY (S)** (CH. 3): M		
RISK CATEGORY: (TABLE 1604.5):	**CURRENT:** ☐ I ☐ I I ☐ I I I ☐ I V		
	PROPOSED: ☐ I ☐ I I ☐ I I I ☐ I V		

BUILDING DATA							
CONSTRUCTION TYPE:	☐ I-A	☐ I I-A	☐ I I I-A	☐ I V	☐ V-A		
(CHECK ALL THAT APPLY)	☐ I-B	■ I I-B	☐ I I I-AB		☐ V-B		
SPRINKLERS:	☐ NO	☐ PARTIAL	■ YES	■ NFPA 13	☐ NFPA 13R	☐ NFPA 13D	
STANDPIPES:	☐ NO	☐ YES	CLASS ■ I	☐ I I	☐ I I I	■ WET	■ DRY
FIRE DISTRICT:	☐ NO	☐ YES	**FLOOD HAZARD AREA:**	■ NO	☐ YES		
SPECIAL INSPECTIONS REQUIRED:	☐ NO	■ YES	(CONTACT THE LOCAL INSPECTION JURISDICTION FOR ADDITIONAL PROCEDURES AND REQUIREMENTS)				

GROSS BUILDING AREA TABLE:

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL (SQ FT)
SIXTH FLOOR			
FIFTH FLOOR	-	-	-
FOURTH FLOOR	-	-	-
THIRD FLOOR	-	-	-
SECOND FLOOR	-	-	-
MEZZANINE			
FIRST FLOOR	275,000 (80% FIXED RACKING)	-	-
BASEMENT	-	-	-
TOTAL	275,000 (20% OCCUPIABLE)	-	-

ALLOWABLE AREA:

PRIMARY OCCUPANCY CLASSIFICATION ($):						
ASSEMBLY	☐ A-1	☐ A-2	☐ A-3	☐ A-4	☐ A-5	
BUSINESS	☐					
EDUCATIONAL	☐					
FACTORY	☐ F-1 MODERATE	☐ F-2 FLOW				
HAZARDOUS	☐ H-1 DETONATE	☐ H-2 DEFLAGRATE	☐ H-3 COMBUST	☐ H-4 HEALTH	☐ H-5 HPM	
INSTITUTIONAL	☐ I-1 CONDITION	☐ 1	☐ 2			
	☐ I-2 CONDITION	☐ 1	☐ 2			
	☐ I-3 CONDITION	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
	☐ I-4					
MERCANTILE	☐					
RESIDENTIAL	☐ R-1	☐ R-2	☐ R-3	☐ R-4		
STORAGE	☐ S-1 MODERATE	■ S-2 LOW	☐ HIGH PILED			
	☐ PARKING GARAGE	☐ OPEN	☐ ENCLOSED	☐ REPAIR GARAGE		
UTILITY AND MISCELLANEOUS	☐					
ACCESSORY OCCUPANCY CLASSIFICATION(S):	BUSINESS					
INCIDENTAL USES (TABLE 509):	REFRIGERATION MACHINERY ROOM					
SPECIAL USES (CHAPTER 4 - LIST CODE SECTIONS):						
SPECIAL PROVISIONS: (CHAPTER 5 - LIST CODE SECTIONS):						
MIXED OCCUPANCY:	☐ NO	■ YES	SEPARATION: 1 HR.	EXCEPTION: -		

	☐ NON-SEPARATED USE (508.3)	THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING.
UNLIMITED AREA PROVISION PER 507 - BUILDING PROVIDED ON ALL SIDES BY 60'-0" (507.4)		
	☐ SEPARATED USE (508.4)	SEE BELOW FOR AREA CALCULATIONS OF EACH STORY. THE AREA OF THE OCCUPANCY SHALL BE THE SUM OF THE RATIO OF THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.

NOT APPLICABLE

ACTUAL AREA OF OCCUPANCY A = 257,600 STORAGE (2) — ACTUAL AREA OF OCCUPANCY B = 17,400 BUSINESS

ALLOWED AREA OF OCCUPANCY A = — ALOWABLE AREA OF OCCUPANCY B =

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 [4] AREA	(C) AREA FOR FRONTAGE INCREASE [1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED [2,3]
B	-	-	-	-	-
1	STORAGE FOOD / RACKING SYSTEM	275,000 SF	104,000 SF	N/A	UNLIMITED
M	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	-	-	-
	TOTAL BUILDING	275,000 SF		-	UNLIMITED

1. FRONTAGE AREA INCREASES FROM SECTION 506.3 ARE COMPUTED THUS: **NO FRONTAGE INCREASE**
   A. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = _____ (F)
   B. TOTAL BUILDING PERIMETER = _____(P)
   C. RATIO (F/P) = _____(W)
   D. W = MIN. WIDTH OF PUBLIC WAY = (W)
   E. PERCENT OF FRONTAGE INCREASE: 100(F/P - 0.25) X WITH30 = _____(%)
2. UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.
3. MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING x D (MAXIMUM 3 STORIES) (506.2)
4. THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4.
5. FRONTAGE INCREASE IS BASED ON THE SPRINKLERED AREA VALUE IN TABLE 506.2.

ALLOWABLE HEIGHT	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE [1]
BUILDING HEIGHT IN FEET (TABLE 504.3) [2]	75	48	TABLE 504.3
BUILDING HEIGHT IN STORIES (TABLE 504.4) [3]	4	1	TABLE 504.4

1. PROVIDE CODE REFERENCE IF THE "SHOWN ON PLANS" QUANTITY IS NOT BASED ON TABLE 504.3 OR 504.4.
2. THE MAXIMUM HEIGHT OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.3.1.
3. THE MAXIMUM HEIGHT OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4.

FIRE PROTECTION REQUIREMENTS	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (WITH ____ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS AND TRUSSES	NA	NA	0 HR	-	-	-	-
BEARING WALLS	0' ≤ 10'	NA	NA	-	-	-	-
EXTERIOR							
NORTH	≥ 30'	O HR	O HR	-	-	-	-
EAST	≥ 30'	O HR	O HR	-	-	-	-
WEST	≥ 30'	O HR	O HR	-	-	-	-
SOUTH	0' ≤ 10'	O HR	O HR	-	-	-	-
INTERIOR	≥ 30'	1 HR	1 HR	-	-	-	-
NON-BEARING WALLS AND PARTITIONS	-	-	-	-	-	-	-
EXTERIOR		O HR	O HR				
NORTH	-	-	-	-	-	-	-
EAST	-	-	-	-	-	-	-
WEST	-	-	-	-	-	-	-
SOUTH	-	-	-	-	-	-	-
INTERIOR WALLS AND PARTITIONS		O HR	O HR	-	-	-	-
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		O HR	O HR	-	-	-	-
FLOOR CEILING ASSEMBLIES		NA		-	-	-	-
COLUMNS SUPPORTING FLOORS		NA		-	-	-	-
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		O HR	O HR	-	-	-	-
ROOF CEILING ASSEMBLIES		0 HR	0 HR	-	-	-	-
COLUMNS SUPPORTING ROOFS		O HR	O HR	-	-	-	-
SHAFT ENCLOSURES - EXIT		NA	N/A	-	-	-	-
SHAFT ENCLOSURES - OTHER		NA	N/A	-	-	-	-
CORRIDOR SEPARATION		0 HR	0* HR	EXCEPTION: TABLE 1020.1 FOOTNOTE G			
OCCUPANCY / FIRE BARRIER SEPARATION		N/A	NA			-	-
PARTY / FIRE WALL SEPARATION		0 HR	0 HR			-	-
SMOKE BARRIER SEPARATION		N/A	N/A	-	-	-	-
SMOKE PARTITION		NA	N/A	-	-	-	-
TENANT / DWELLING UNIT / SLEEPING UNIT SEPARATION		N/A	N/A	-	-	-	-
INCIDENTAL USE SEPARATION		N/A	N/A				

* INDICATE SECTION NUMBER PERMITTING REDUCTION

PERCENTAGE OF WALL OPENING CALCULATIONS			
FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUALLY SHOWN ON PLANS (%)
10' < 15'	UP, NS	15	7%
15' < 20'	UP, NS	25	16%
20' < 25'	UP, NS	45	N/A
25' < 30'	UP, NS	70	N/A

LIFE SAFETY SYSTEM REQUIREMENTS			
EMERGENCY LIGHTING:	■ YES	☐ NO	
EXIT SIGNS:	■ YES	☐ NO	
FIRE ALARM:	■ YES	☐ NO	
SMOKE DETECTION SYSTEMS:	■ YES	☐ NO	☐ PARTIAL
CARBON MONOXIDE DETECTION:	■ YES	☐ NO	

LIFE SAFETY PLAN REQUIREMENTS	
LIFE SAFETY PLAN SHEET #: G003	
■	FIRE AND / OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
☐	ASSUMED AND REAL PROPERTY LINE LOCATIONS (IF NOT ON THE SITE PLAN)
■	EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705.8)
■	OCCUPANCY USE FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (1004.1.2)
■	OCCUPANT LOADS FOR EACH AREA
■	EXIT ACCESS TRAVEL DISTANCES (1017)
■	COMMON PATH OF TRAVEL DISTANCES (TABLES 1006.2.1 & 1006.3.2 (1))
■	DEAD END LENGTHS (1020.4)
■	CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
■	MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.3)
■	ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR
☐	A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE-RATED FLOOR / CEILING AND / OR ROOF STRUCTURE IS PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION
■	LOCATION OF DOORS WITH PANIC HARDWARE (1010.1.10)
■	LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1010.1.9.7)
■	LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1010.1.9.9)
■	LOCATION OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES
☐	LOCATION OF EMERGENCY ESCAPE WINDOWS (1030)
■	THE SQUARE FOOTAGE OF EACH FIRE AREA (202)
☐	THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT FOR OCCUPANCY CLASSIFICATION I-2 (407.5)
☐	NOTE ANY CODE EXCEPTIONS OR TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE.

ACCESSIBLE DWELLING UNITS							
TOTAL UNITS	ACCESSIBLE UNITS		TYPE A UNITS		TYPE B UNITS		TOTAL ACCESSIBLE UNITS PROVIDED
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

NOT APPLICABLE

ACCESSIBLE PARKING						
LOT OR PARKING AREAS	TOTAL # OF PARKING SPACES		# ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)												
USE	WATER CLOSETS				URINALS	LAVATORIES				DRINKING FOUNTAINS		
	REQUIRED		PROVIDED			REQUIRED		PROVIDED		REQUIRED	PROVIDED	
SPACE	MALE	FEMALE	MALE	FEMALE		MALE	FEMALE	MALE	FEMALE			
BUSINESS	2	2	2	2		1.5	1.5	2	2	2	2	
STORAGE	1	1	1	1		1	1	1	1	1	1	
TOTAL	3	3	3	3		3.5	3.5	3	3	3	3	

ENERGY SUMMARY

ENERGY EQUIREMENTS:					
THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED. EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF PERFORMANCE METHOD, STATE THE ANNUAL ENERGY COST FOR THE STANDARD REFERENCE DESIGN VS. ANNUAL ENERGY COST FOR THE PROPOSED DESIGN.					
EXISTING BUILDING ENVELOPE COMPLIES WITH CODE:	☐ NO	☐ YES (THE REMAINDER OF THIS SECTION IS NOT APPLICABLE)			
EXEMPT BUILDING:	■ NO	☐ YES (PROVIDE CODE OR STATUTORY REFERENCE) -			
CLIMATE ZONE:	■ 3A	☐ 4A	☐ 5A		
METHOD OF COMPLIANCE:	ENERGY CODE	☐ PERFORMANCE	■ PRESCRIPTIVE		
	ASHRAE 90.1	☐ PERFORMANCE	■ PRESCRIPTIVE		
(IF "OTHER" SPECIFY SOURSE HERE) -					

THERMAL ENVELOPE: (PRESCRIPTIVE METHOD ONLY)		
ROOF / CEILING ASSEMBLY (EACH ASSEMBLY)		
DESCRIPTION OF ASSEMBLY:	TPO, COVER BOARD, RIGID INSULATION OVER METAL DECK	
U-VALUE OF TOTAL ASSEMBLY:	U 0.32	
R-VALUE OF INSULATION:	R-30	
SKYLIGHT IN EACH ASSEMBLY:	NA	
U-VALUE OF SKYLIGHT:	-	
TOTAL SQUARE FOOTAGE OFSKYLIGHTS IN EACH ASSEMBLY:	-	
EXTERIOR WALLS (EACH ASSEMBLY)		
DESCRIPTION OF ASSEMBLY:	BRICK MASONRY VENEER ON CMU /	5" INSULATED METAL PANEL
U-VALUE OF TOTAL ASSEMBLY:	U 0.104 /	U00.023
R-VALUE OF INSULATION:	R-9.5 /	R- 43.7
OPENINGS (WINDOW OR DOORS WITH GLAZING)		
U-VALUE OF TOTAL ASSEMBLY:	.45	
SOLAR HEAT GAIN COEFFICIENT:	.25	
PROJECTION FACTOR:	<0.25	
DOOR R-VALUES:	.77	
WALLS BELOW GRADE (EACH ASSEMBLY)		
DESCRIPTION OF ASSEMBLY:	8" CMU, RIGID INSULATION, MEMBRANE WATERPROOFING	
U-VALUE OF TOTAL ASSEMBLY:	C 0.119	
R-VALUE OF INSULATION:	R-15	
FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY)		
DESCRIPTION OF ASSEMBLY:	NA	
U-VALUE OF TOTAL ASSEMBLY:	-	
R-VALUE OF INSULATION:	-	
FLOOR SLAB ON GRADE		
DESCRIPTION OF ASSEMBLY:	4" SLAB ON GRADE	
U-VALUE OF TOTAL ASSEMBLY:	F-0.520	
R-VALUE OF INSULATION:	R-15	
HORIZONTAL / VERTICAL REQUIREMENT	2' HORIZONTAL, OR VERT. DOWN TO FOOTING	
SLAB HEATED:	NO	

STRUCTURAL DESIGN	
DESIGN LOADS:	
IMPORTANCE FACTORS:	
SNOW (I_g)	1.1
SEISMIC (I_g)	1.25
LIVE LOADS:	
ROOF	20 PSF
MEZZANINE	125 PSF
FLOOR	50 PSF
GROUND SNOW LOADS:	15 PSF
WIND LOADS:	
ULTIMATE WIND SPEED	120 MPH (ASCE 7)
EXPOSURE CATEGORY	C
SEISMIC DESIGN CATEGORY:	☐ A ☐ B ■ C ☐ D
PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:	
RISK CATEGORY (TABLE 1604.5)	☐ I ☐ I I ■ I I I ☐ I V
SPECTRAL RESPONSE ACCELERATION	S_{DS} 31 %g S_1 11 %g
SITE CLASSIFICATION (ASCE 7)	☐ A ☐ B ☐ C ■ D ☐ E ☐ F
DATA SOURCE:	☐ FIELD TEST ■ PRESUMPTIVE ☐ HISTORICAL DATA
BASIC STRUCTURAL SYSTEM	
	■ BEARING WALL ☐ DUAL WITH SPECIAL MOMENT FRAME
	☐ BUILDING FRAME ☐ DUAL WITH INTERMEDIATE R/C OR SPECIAL STEEL
	☐ MOMENT FRAME ☐ INVERTED PENDULUM
ANALYSIS PROCEDURE:	☐ SIMPLIFIED ■ EQUIVALENT LATERAL FORCE ☐ DYNAMIC
ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED?	■ YES ☐ NO
LATERAL DESIGN CONTROL	■ EARTHQUAKE ☐ WIND
SOIL BEARING CAPACITIES	
FIELD TEST (PROVIDE COPY OF TEST REPORT)	- psf
PRESUMPTIVE BEARING CAPACITY	- psf
PILE SIZE, TYPE AND CAPACITY	-

2018 APPENDIX B BUILDING CODE FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN

MECHANICAL SUMMARY	
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT	
THERMAL ZONE	3A NEW HANOVER COUNTY
WINTER DRY BULB:	15.4 F
SUMMER DRY BULB:	88.0 F
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB:	70.0 F
SUMMER DRY BULB:	75.0 F
RELATIVE HUMIDITY:	50 %
BUILDING HEATING LOAD:	246.1 MBH (NEW ADDITION ONLY)
BUILDING COOLING LOAD:	29.0 TONS (NEW ADDITION ONLY)
MECHANICAL SPACING CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT:	SEE EQUIPMENT SCHEDULE
HEATING EFFICIENCY:	SEE EQUIPMENT SCHEDULE
COOLING EFFICIENCY:	SEE EQUIPMENT SCHEDULE
SIZE CATEGORY OF UNIT:	SEE EQUIPMENT SCHEDULE
BOILER	
SIZE CATEGORY. IF OVERSIZED, STATE REASON.:	SEE EQUIPMENT SCHEDULE
CHILLER	
SIZE CATEGORY. IF OVERSIZED, STATE REASON.:	N / A
LIST EQUIPMENT EFFICIENCIES	SEE EQUIPMENT SCHEDULE

2018 APPENDIX B BUILDING CODE FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN

ELECTRICAL SUMMARY		
ELECTRICAL SYSTEM AND EQUIPMENT		
METHOD OF COMPLIANCE:		
ENERGY CODE	■ PRESCRIPTIVE	☐ PERFORMANCE
ASHRAE 90.1	■ PRESCRIPTIVE	☐ PERFORMANCE
LIGHTING SCHEDULE (EACH FIXTURE TYPE)		
LAMP TYPE REQUIRED IN FIXTURE	SEE FIXTURE SCHEDULE	
NUMBER OF LAMPS IN FIXTURE	SEE FIXTURE SCHEDULE	
BALLAST TYPE USED IN FIXTURE	SEE FIXTURE SCHEDULE	
NUMBER OF BALLASTS IN FIXTURE	SEE FIXTURE SCHEDULE	
TOTAL WATTAGE PER FIXTURE	SEE FIXTURE SCHEDULE	
TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED (WHOLE BUILDING OR SPACE BY SPACE)	SPECIFIED 50,888 W - ALLOWABLE 130,000 W	
TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED	SPECIFIED 585 W - ALLOWABLE 750 W	
ADDITIONAL EFFICIENCY PACKAGE OPTIONS (WHEN USING THE 2018 NCECC, NOT REQUIRED FOR ASHRAE 90.1)		
■	C406.2 MORE EFFICIENT MECHANICAL EQUIPMENT PERFORMANCE	
■	C406.3 REDUCED LIGHTING POWER DENSITY	
■	C406.4 ENHANCED DIGITAL LIGHTING CONTROLS	
☐	C406.5 ON-SITE RENEWABLE ENERGY	
■	C406.6 DEDICATED OUTDOOR AIR SYSTEM	
■	C406.7 REDUCED ENERGY USE IN SERVICE WATER HEATING	

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12/12/22	ISSUED FOR PERMIT
11/29/2022	60% PROGRESS ISSUE

drawing status

project no. 20-086

seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
CODE ANALYSIS

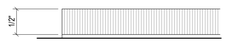
sheet
G0.4

1 FLOOR AND GROUND SURFACES

G0.5 1/2" = 1'-0"

GENERAL. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AN DSLIP RESISTANT.

CARPET PILE HEIGHT



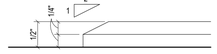
CARPET. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NOT CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2 INCH (13 mm) MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH CHANGES IN LEVEL.

VERTICAL CHANGE IN LEVEL



VERTICAL: CHANGES IN LEVEL OF 1/4 INCH (6.4 mm) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.

BEVELED CHANGE IN LEVEL

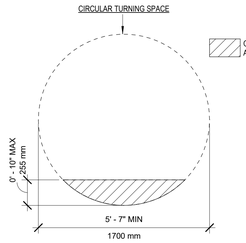


BEVELED: CHANGES IN LEVEL BETWEEN 1/4 INCH (6.4mm) HIGH MINIMUM AND 1/2 INCH (13mm) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

5 TURNING SPACES

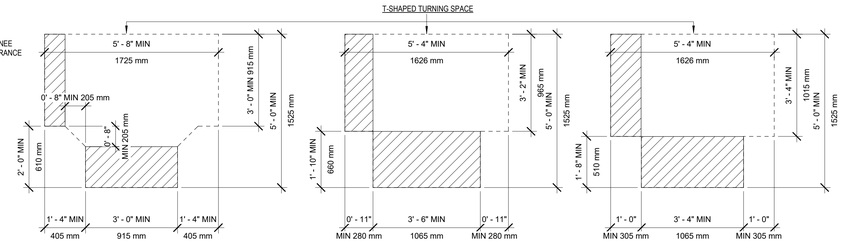
G0.5 1/2" = 1'-0"

CIRCULAR TURNING SPACE



OVERLAP OF KNEE AND TOE CLEARANCE

T-SHASPED TURNING SPACE

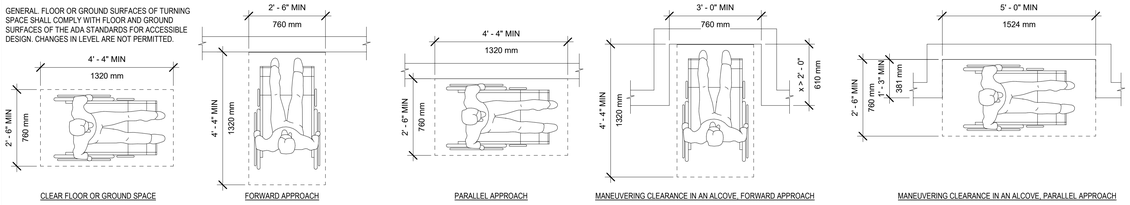


GENERAL. FLOOR OR GROUND SURFACES OF TURNING SPACE SHALL COMPLY WITH FLOOR AND GROUND SURFACES OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN. CHANGES IN LEVEL ARE NOT PERMITTED.

2 CLEAR FLOOR SPACES

G0.5 1/2" = 1'-0"

GENERAL. FLOOR OR GROUND SURFACES OF TURNING SPACE SHALL COMPLY WITH FLOOR AND GROUND SURFACES OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN. CHANGES IN LEVEL ARE NOT PERMITTED.

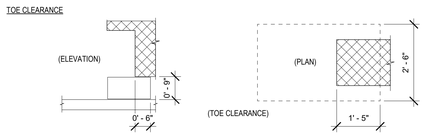


CLEAR FLOOR OR GROUND SPACE | FORWARD APPROACH | PARALLEL APPROACH | MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH | MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH

6 KNEE AND TOE CLEARANCES

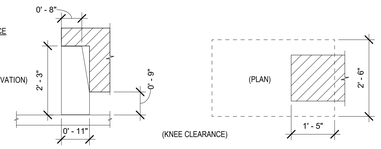
G0.5 1/2" = 1'-0"

TOE CLEARANCE



NOTES:
1. SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9 INCHES (230 mm) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE.
2. TOE CLEARANCE SHALL EXTEND 25 INCHES (635 mm) MAXIMUM UNDER AN ELEMENT.
3. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17 INCHES (430 mm) UNDER THE ELEMENT.
4. SPACE EXTENDING GREATER THAN 6 INCHES (150 mm) BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 INCHES (230 mm) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.
5. TOE CLEARANCE SHALL BE 30 INCHES (760 mm) WIDE MINIMUM.

KNEE CLEARANCE

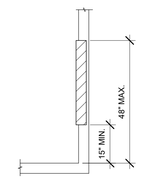


INCHES (
1. SPACE UNDER AN ELEMENT BETWEEN 9 INCHES (230mm) AND 27 INCHES (685mm) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE.
2. KNEE CLEARANCE SHALL EXTEND 25 INCHES (635mm) MAXIMUM UNDER AN ELEMENT AT 9 INCHES (230mm) ABOVE THE FINISH FLOOR OR GROUND.
3. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES (280mm) DEEP MINIMUM AT 9 INCHES (230mm) ABOVE THE FINISH FLOOR OR GROUND, AND 8 INCHES (205mm) DEEP MINIMUM AT 27 INCHES (685mm) ABOVE FINISH FLOOR OR GROUND.
4. BETWEEN 9 INCHES (230mm) AND 27 INCHES (685mm) ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1 INCH (25mm) IN DEPTH FOR EACH 6 INCHES (150mm) IN HEIGHT.

3 REACH RANGES

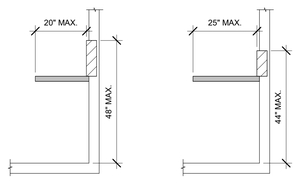
G0.5 1/2" = 1'-0"

UNOBSTRUCTED FORWARD REACH



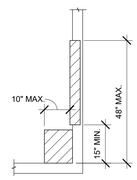
UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES (1200 mm) MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES (380 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

OBSTRUCTED HIGH FORWARD REACH



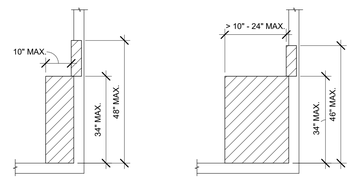
OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES (1220 mm) MAXIMUM WHERE EHT REACH DEPTH IS 20 INCHES (510 mm) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES (510 mm), THE HIGH FORWARD REACH SHALL BE 44 INCHES (1120 mm) MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES (635 mm) MAXIMUM.

UNOBSTRUCTED SIDE REACH



UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACHIS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 mm) MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES (380 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

OBSTRUCTED HIGH SIDE REACH

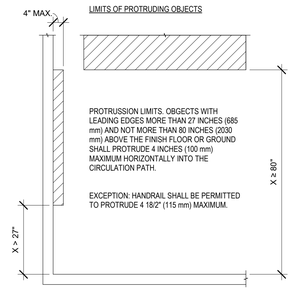


OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND HE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES (865 mm) MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES (610mm) MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 mm) MAXIMUM FOR A REACH DEPTH OF 10 INCHES (255 mm) MAXIMUM. WHERE HE REACH DEPTH EXCEEDS 10 INCHES (255 mm), THE HIGH SIDE REACH SHALL BE 46 INCHES (1170 mm) MAXIUMU FOR A REACH DEPTH OF 24 INCHES (610 mm) MAXIMUM.

7 PROTRUDING OBJECTS

G0.5 1/2" = 1'-0"

LIMITS OF PROTRUDING OBJECTS



4 MANUAL SWING DOORS AND GATES

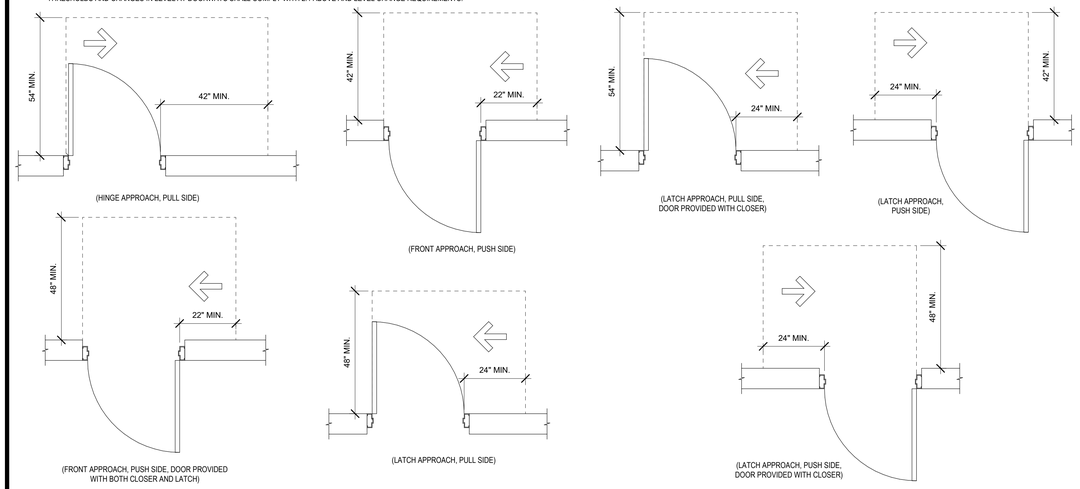
G0.5 1/2" = 1'-0"

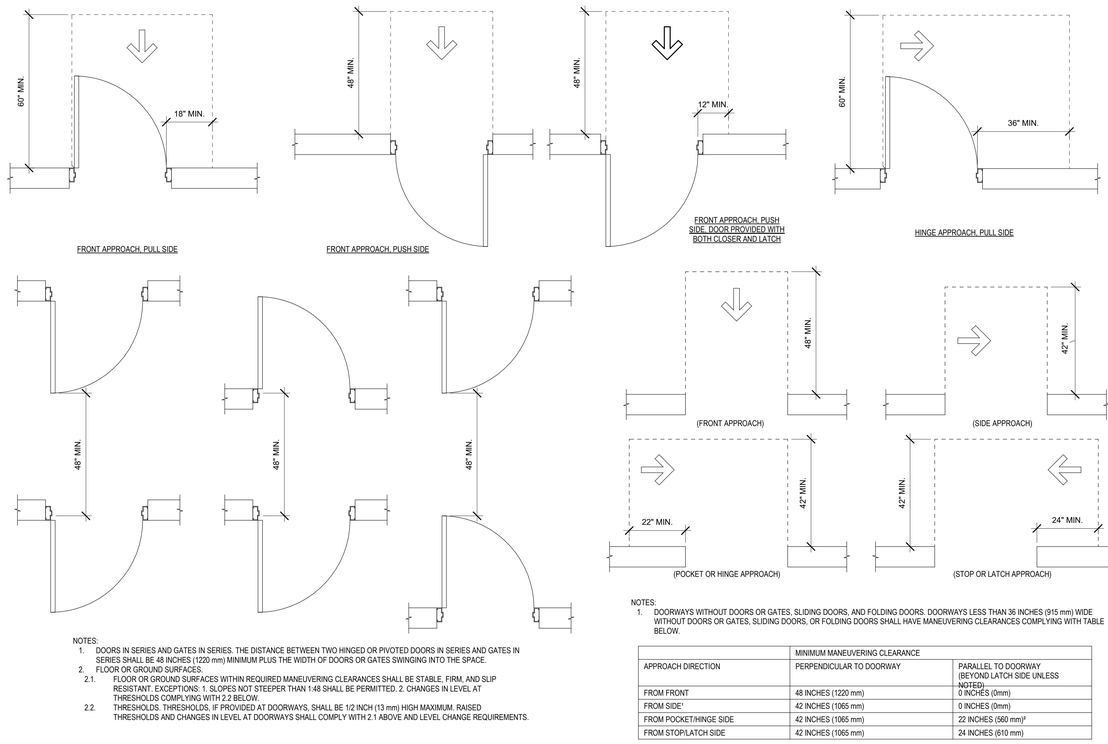
GENERAL NOTES:
1. MANUAL DOORS, DOORWAYS, AND MANUAL GATES
1.1. REVOLVING DOORS, GATES, AND TURNSTILES. REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE.
1.2. DOUBLE-LEAF DOORS AND GATES. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 1.3 AND 1.4 BELOW.
1.3. CLEAR WIDTH. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES (815 mm) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES (610 mm) DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES (915 mm) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES (865 mm) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES (865 mm) AND 80 INCHES (2030 mm) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES (100 mm). EXCEPTIONS: 1. IN ALTERATIONS, A PROJECTION OF 5/8 INCH (16 mm) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP. 2. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES (1980 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
1.4. MANEUVERING CLEARANCES. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE. EXCEPTION: ENTRY DOORS TO HOSPITAL PATIENT ROOMS SHALL NOT BE REQUIRED TO PROVIDE THE CLEARANCE BEYOND THE LATCH SIDE OF THE DOOR.
1.5. SWINGING DOORS AND GATES. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH THE TABLE BELOW.
2. FLOOR OR GROUND SURFACES.
2.1. FLOOR OR GROUND SURFACES WITHIN REQUIRED MANEUVERING CLEARANCES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. EXCEPTIONS: 1. SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED. 2. CHANGES IN LEVEL AT THRESHOLDS COMPLYING WITH 2.2 BELOW.
2.2. THRESHOLDS. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2 INCH (13 mm) HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 2.1 ABOVE AND LEVEL CHANGE REQUIREMENTS.

TABLE: MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

TYPE OF USE		MINIMUM MANEUVERING CLEARANCE	
APPROACH DIRECTION	DOOR OR GATE SIDE	PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (BEYOND LATCH SIDE UNLESS NOTED)
FROM FRONT	PULL	60 INCHES (1525 mm)	18 INCHES (455 mm)
FROM FRONT	PUSH	48 INCHES (1220 mm)	0 INCHES (0mm)[1]
FROM HINGE SIDE	PULL	60 INCHES (1525 mm)	36 INCHES (905 mm)
FROM HINGE SIDE	PULL	54 INCHES (1370 mm)	42 INCHES (1065 mm)
FROM HINGE SIDE	PUSH	42 INCHES (1065 mm)[2]	22 INCHES (560 mm) [1]
FROM LATCH SIDE	PULL	48 INCHES (1220 mm) [1]	24 INCHES (610 mm)
FROM LATCH SIDE	PUSH	42 INCHES (1065 mm) [1]	24 INCHES (610 mm)

1. ADD 12 INCHES (305 mm) IF CLOSER AND LATCH ARE PROVIDED.
2. ADD 6 INCHES (150 mm) IF CLOSER AND LATCH ARE PROVIDED.
3. BEYOND HINGE SIDE.
4. ADD 6 INCHES (150 mm) IF CLOSER IS PROVIDED.





NOTES:
1. DOORS IN SERIES AND GATES IN SERIES. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48 INCHES (1220 mm) MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.
2. FLOOR OR GROUND SURFACES.
2.1. FLOOR OR GROUND SURFACES WITHIN REQUIRED MANEUVERING CLEARANCES SHALL BE STABLE. FIRM, AND SLIP RESISTANT. EXCEPTIONS: 1. SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED. 2. CHANGES IN LEVEL AT THRESHOLDS COMPLYING WITH 2.2 BELOW.
2.2. THRESHOLDS. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2 INCH (13 mm) HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 2.1 ABOVE AND LEVEL CHANGE REQUIREMENTS.

NOTES:
1. DOORWAYS WITHOUT DOORS OR GATES, SLIDING DOORS, AND FOLDING DOORS. DOORWAYS LESS THAN 36 INCHES (915 mm) WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE BELOW.

	MINIMUM MANEUVERING CLEARANCE	
APPROACH DIRECTION	PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (BEYOND LATCH SIDE UNLESS NOTED)
FROM FRONT	48 INCHES (1220 mm)	0 INCHES (0mm)
FROM SIDE[1]	42 INCHES (1065 mm)	0 INCHES (0mm)
FROM POCKET/HINGE SIDE	42 INCHES (1065 mm)	22 INCHES (560 mm)[2]
FROM STOP/LATCH SIDE	42 INCHES (1065 mm)	24 INCHES (610 mm)

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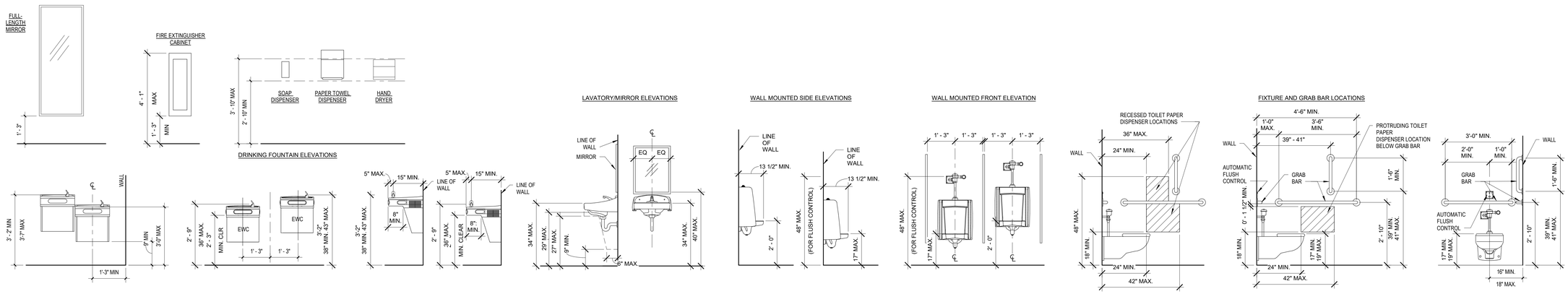
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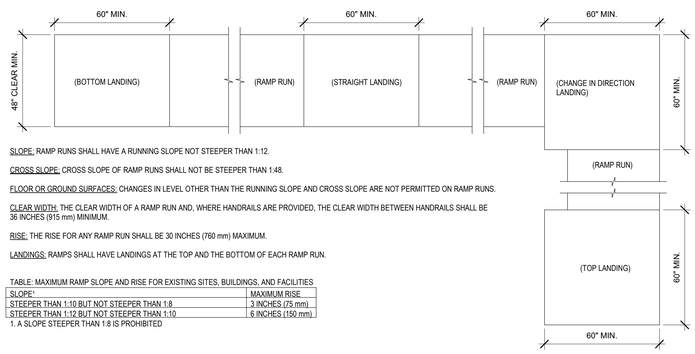
title
TYPICAL DETAILS

sheet
G0.5



1 TOILET ACCESSORIES MOUNTING HEIGHTS

G0.6 1/2" = 1'-0"



SLOPE: RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12.

CROSS SLOPE: CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48.

FLOOR OR GROUND SURFACES: CHANGES IN LEVEL OTHER THAN THE RUNNING SLOPE AND CROSS SLOPE ARE NOT PERMITTED ON RAMP RUNS.

CLEAR WIDTH: THE CLEAR WIDTH OF A RAMP RUN AND, WHERE HANDRAILS ARE PROVIDED, THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE 36 INCHES (915 mm) MINIMUM.

RISE: THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES (760 mm) MAXIMUM.

LANDINGS: RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN.

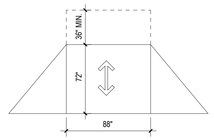
TABLE: MAXIMUM RAMP SLOPE AND RISE FOR EXISTING SITES, BUILDINGS, AND FACILITIES

SLOPE[1]	MAXIMUM RISE
STEEPER THAN 1:10 BUT NOT STEEPER THAN 1:8	3 INCHES (75 mm)
STEEPER THAN 1:12 BUT NOT STEEPER THAN 1:10	6 INCHES (150 mm)

1. A SLOPE STEEPER THAN 1:8 IS PROHIBITED

2 TYPICAL RAMP DESIGN CRITERIA

G0.6 3/8" = 1'-0"



CURB RAMPS:

405.2 SLOPE RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12

406.1 GENERAL. CURB RAMPS ON ACCESSIBLE ROUTES SHALL COMPLY WITH 406, 405.2 THROUGH 405.5, AND 405.10

406.2 COUNTER SLOPE. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 1:20. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL.

406.3 SIDES OF CURB RAMPS. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT BE STEEPER THAN 1:10.

406.4 LANDINGS. LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMPS. THE LANDING CLEAR LENGTH SHALL BE 36 INCHES (915 mm) MINIMUM. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING.
EXCEPTION: IN ALTERATIONS, WHERE THERE IS NO LANDING AT THE TOP OF CURB RAMPS, CURB RAMP FLARES SHALL BE PROVIDED AND SHALL NOT BE STEEPER THAN 1:12.

406.5 LOCATION. CURB RAMPS AND THE FLARES SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES, OR PARKING ACCESS AISLES. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.

406.6 DIAGONAL CURB RAMPS. DIAGONAL OR CORNER TYPE CURB RAMPS WITH RETURNED CURBS OR OTHER WELL-DEFINED EDGES SHALL HAVE THE EDGES PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE A CLEAR SPACE 48 INCHES (1220 mm) MINIMUM OUTSIDE ACTIVE TRAFFIC LANES OF THE ROADWAY. DIAGONAL CURB RAMPS PROVIDED AT MARKED CROSSINGS SHALL PROVIDE THE 48 INCHES (1220 mm) MINIMUM CLEAR SPACE WITHIN THE MARKINGS. DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 24 INCHES (610 mm) LONG MINIMUM LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

3 TYPICAL RAMP DETAIL

G0.6 3/8" = 1'-0"

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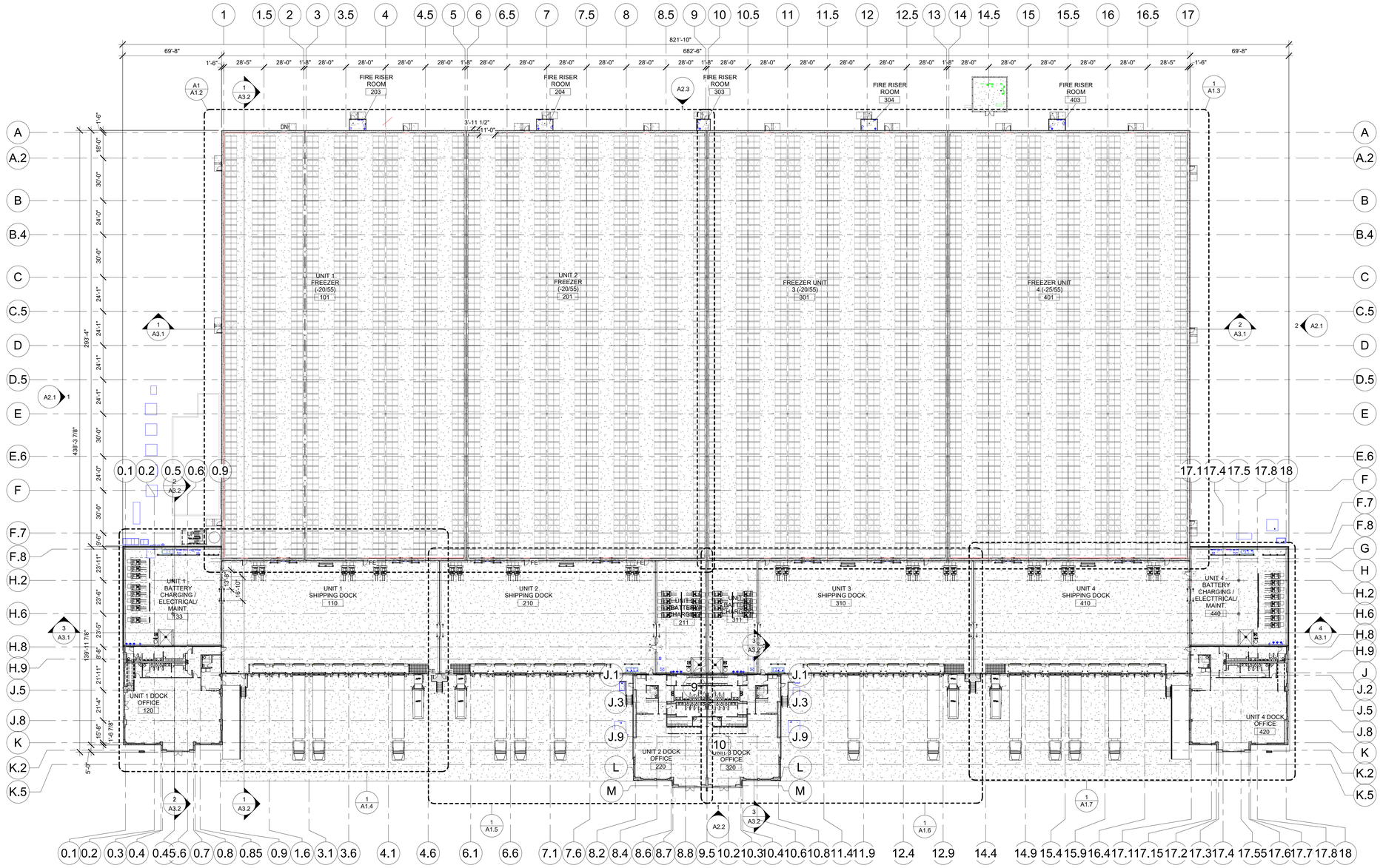
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TYPICAL DETAIL

sheet
G0.6

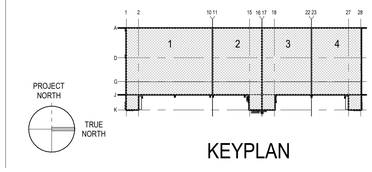


A1 OVERALL FLOOR PLAN

A1.1 1/32" = 1'-0"

KEYNOTES - REFERENCE PLAN

#	DESCRIPTION
1	[TYPE DESCRIPTION HERE]



KEYPLAN

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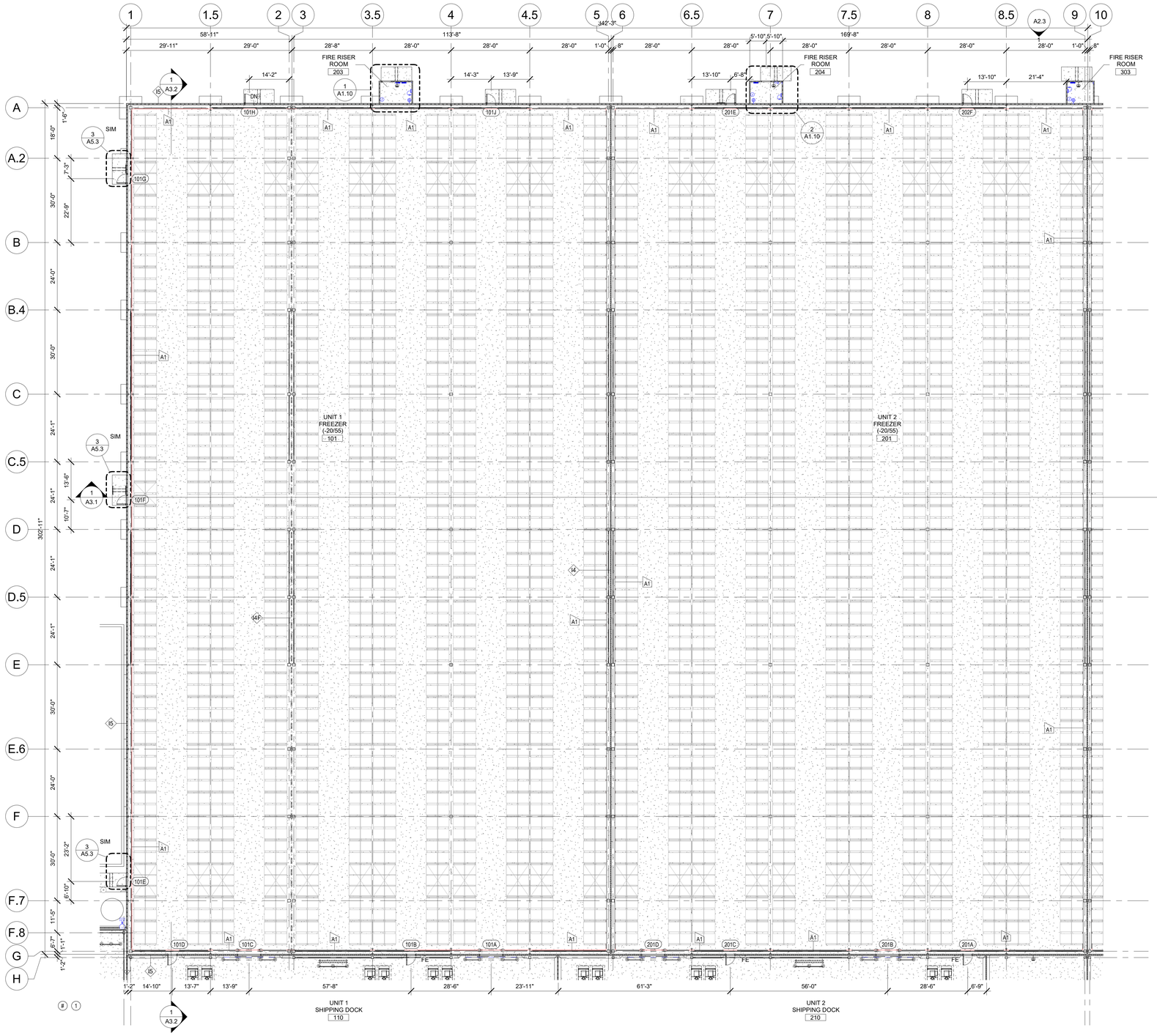
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OVERALL FLOOR PLAN

sheet A1.1



A1 UNIT 1 & 2 - FREEZER - ENLARGED PLAN

A1.2 1/16" = 1'-0"

MATERIAL ABBREVIATION

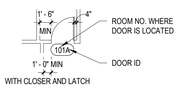
ACT	ACOUSTICAL CEILING TILE	ES	EXPOSED STRUCTURE	P	PAINT
ALUM.	ALUMINUM	EXIST	EXISTING	PC	POLISHED CONCRETE
BG	STEEL BAR GRATING	GALV	GALVANIZED	RD	RESIN DEK
CMU	CONCRETE MASONRY UNIT	GWB	GYPSUM WALL BOARD	SC	SEALED CONCRETE
CONC	CONCRETE	IMP	INSULATED METAL PANEL	STL	STEEL
E	EPOXY	MTL	METAL	VACT	VINYL COATED ACOUSTICAL CEILING TILE
EP	EPOXY PAINT	MR	MOISTURE RESISTANT	VCT	VINYL COMPOSITION TILE

ROOM FINISH SCHEDULE - FREEZER

ROOM #	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE/CURB	NORTH WALL MATERIAL	NORTH WALL FINISH	EAST WALL MATERIAL	EAST WALL FINISH	SOUTH WALL MATERIAL	SOUTH WALL FINISH	WEST WALL MATERIAL	WEST WALL FINISH	CEILING MATERIAL	CEILING FINISH	REMARKS
101	UNIT 1 FREEZER (-20/55)	CONC.	SC	--	IMP		IMP		IMP		IMP		--	ES	
201	UNIT 2 FREEZER (-20/55)	CONC.	SC	--	IMP		IMP		IMP		IMP		--	ES	

GENERAL DIMENSION NOTES

- PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF DISCREPANCIES GREATER THAN 2" PRIOR TO FRAMING WALLS.
- DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD AT NEW WALLS, FACE OF STUD TO INTERIOR FACE OF EXTERIOR WALLS, AND FACE OF STUD.
- ANY "(VERIFY" DIMENSION IS A FLEX AREA TO ALLOW FOR FIELD ADJUSTMENTS AND ALIGNMENT WITH EXISTING WALLS AND/OR COLUMNS.
- LOCATE PERSONEL DOORS 4" FROM HINGE SIDE TYPICALLY, UNLESS OTHERWISE SHOWN. AT LATCH SIDE OF DOOR PROVIDE A MINIMUM OF 18" CLEAR SPACE ON PULL SIDE OF DOOR AND 12" ON THE PUSH SIDE.
- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
- (F.V.) = FIELD VERIFY
- SEE DRYWALL SOFFITS INDICATED ON A103 & A601 FOR ALIGNMENT WITH WALLS/CASEWORK BELOW.
- GYP. BD. ONE SIDE @ CHASE WALLS.



WITH CLOSER AND LATCH

PROVIDE MINIMUM CLEARANCE SHOWN TO MEET CURRENT ACCESSIBILITY CODE

KEYNOTES - DIMENSION

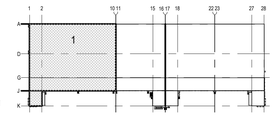
#	DESCRIPTION
1	[TYPE DESCRIPTION HERE]

WALL TYPES

TYPE MARK	DESCRIPTION
C8	
I2	2" INSULATED METAL PANEL
I4	4" INSULATED METAL PANEL
I4F	4" INSULATED METAL PANEL
I5	5" INSULATED METAL PANEL
M01	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE TO 6" ABOVE CEILING
M02	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE TO UNDERSIDE OF DECK ABOVE
M03	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE WITH 3 1/2" SOUND ATTENUATION BATT TO 6" ABOVE CEILING
M04	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE WITH 3 1/2" SOUND ATTENUATION BAT INSULATION, GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
M05	3-5/8" METAL STUDS @ 16" OC WITH 2 LAYERS OF 5/8" GYP BD EACH SIDE WITH 3 1/2" SOUND ATTENUATION BATT TO UNDERSIDE OF DECK ABOVE.
M6	Exterior 2x6 + Brick
M19	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" PAPERLESS, MOLD-RESISTANT GYP BD ON RESTROOM SIDE TO DECK ABOVE, GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
M21	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD ONE SIDE TO 6" ABOVE CEILING, GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
M22	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD ONE SIDE TO UNDERSIDE OF DECK ABOVE, GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
M23	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD ONE SIDE TO 6" ABOVE CEILING WITH 3 1/2" SOUND ATTENUATION BAT INSULATION, GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
M42	6" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE TO UNDERSIDE OF DECK ABOVE, GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
M61	6" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD ONE SIDE TO 6" ABOVE CEILING
RR	

CURB TYPES

TYPE	DESCRIPTION
A1	3" x 6" x 1/4" STEEL ANGLE
C1	CAST IN PLACE CONCRETE CURB 12" DEPTH WITH 24" VERTICAL FACE



PROJECT NORTH

TRUE NORTH

KEYPLAN

Joana Berling, AIA
Architect
656 King Street
Charleston, SC 29403
tel. 843.849.7407
North Carolina Lic. No. 15448

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A NEW REFRIGERATED WAREHOUSE FACILITY

COLD SUMMIT DEVELOPMENT
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12/12/22	ISSUED FOR PERMIT
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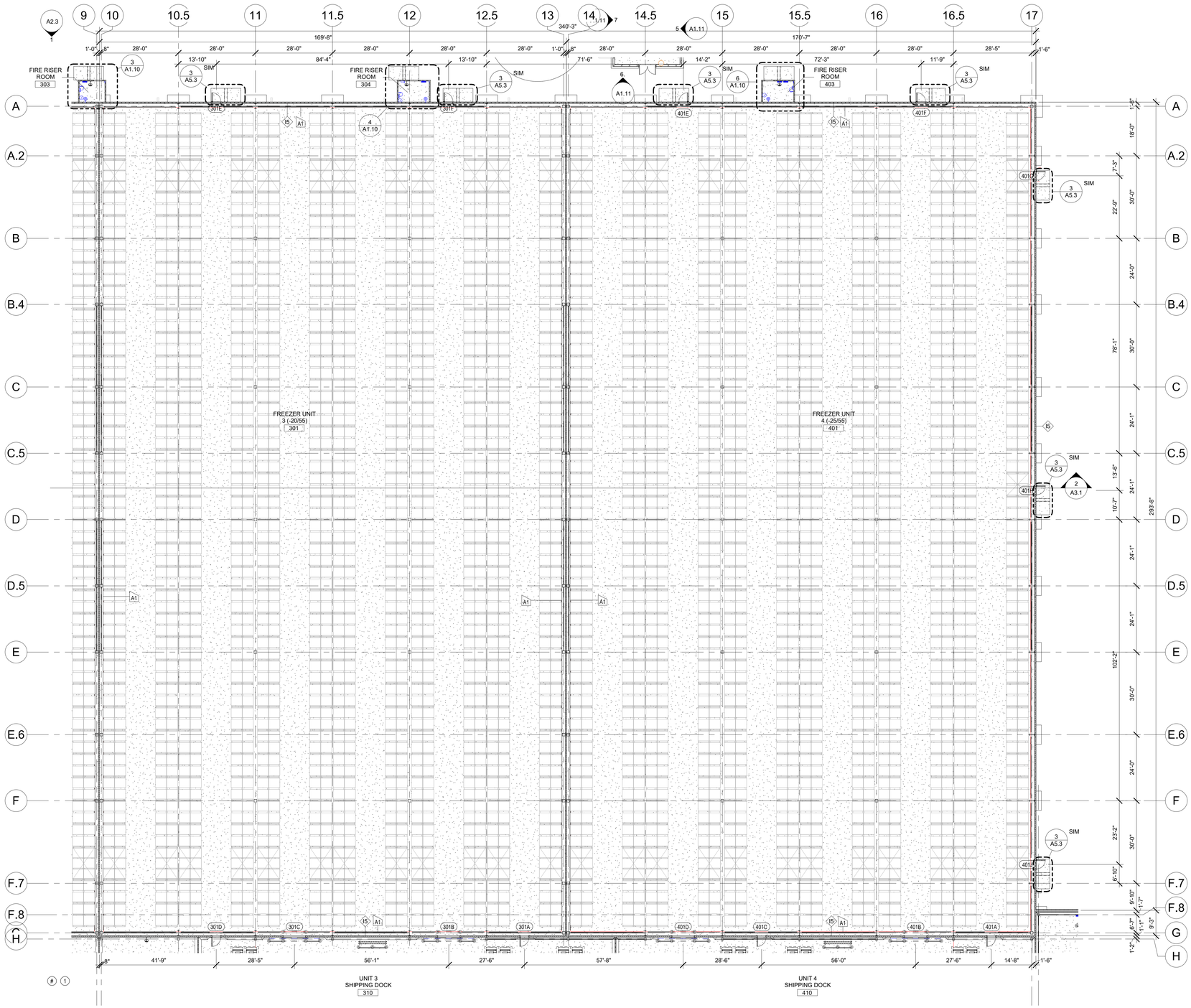
project no. 20-086

seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
UNIT 1 & 2 FREEZER FLOOR PLAN

sheet
A1.2



1 UNIT 3 & 4 - FREEZER - ENLARGED PLAN
A1.3 1/16" = 1'-0"

MATERIAL ABBREVIATION

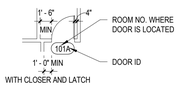
ACT	ACOUSTICAL CEILING TILE	ES	EXPOSED STRUCTURE	P	PAINT
ALUM.	ALUMINUM	EXIST	EXISTING	PC	POLISHED CONCRETE
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EP	EPOXY PAINT	MR	MOISTURE RESISTANT	VCT	VINYL COMPOSITION TILE

ROOM FINISH SCHEDULE - FREEZER 3-4

ROOM #	ROOM NAME	FLOOR		BASE/CURB	NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		REMARKS	FREEZER#3-4
		FLOOR MATERIAL	FLOOR FINISH		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH		
301	FREEZER UNIT 3 (-20/55)	CONC.	SC	--	IMP		IMP		IMP		IMP		--	ES		3-4
401	FREEZER UNIT 4 (-25/55)	CONC.	SC	--	IMP		IMP		IMP		IMP		--	ES		3-4

GENERAL DIMENSION NOTES

- PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF DISCREPANCIES GREATER THAN 2" PRIOR TO FRAMING WALLS.
- DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD AT NEW WALLS, FACE OF STUD TO INTERIOR FACE OF EXTERIOR WALLS, AND FACE OF STUD.
- ANY "(VERIFY" DIMENSION IS A FLEX AREA TO ALLOW FOR FIELD ADJUSTMENTS AND ALIGNMENT WITH EXISTING WALLS AND/OR COLUMNS.
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- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
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- SEE DRYWALL SOFFITS INDICATED ON A103 & A601 FOR ALIGNMENT WITH WALLS/CASEWORK BELOW.
- GYP. BD. ONE SIDE @ CHASE WALLS.



PROVIDE MINIMUM CLEARANCE SHOWN TO MEET CURRENT ACCESSIBILITY CODE

KEYNOTES - DIMENSION

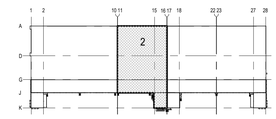
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M19	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" PAPERLESS, MOLD-RESISTANT GYP BD ON RESTROOM SIDE TO DECK ABOVE, GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
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M61	6" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD ONE SIDE TO 6" ABOVE CEILING
RR	

CURB TYPES

TYPE	DESCRIPTION
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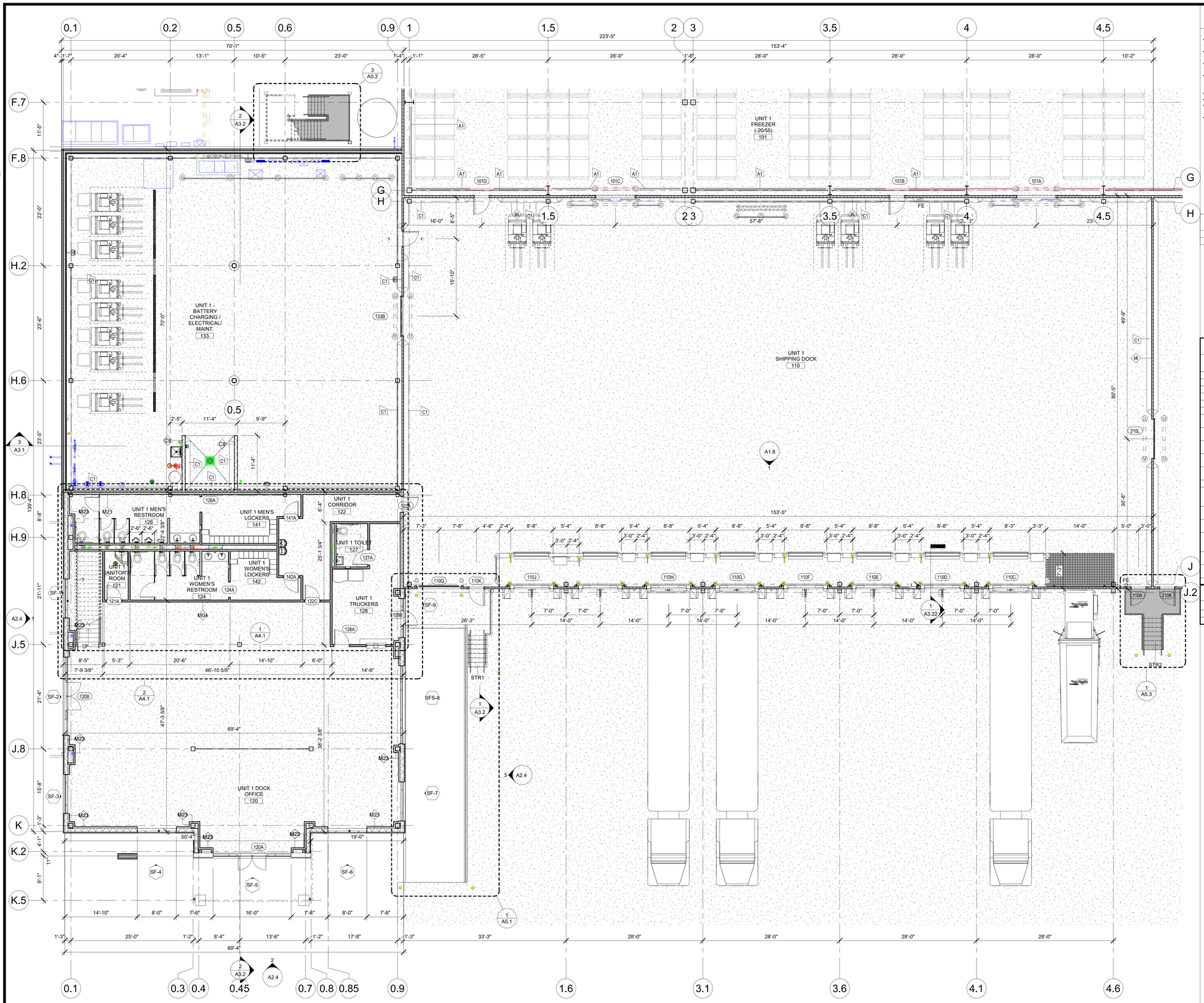
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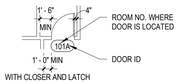
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A1.3



1 UNIT 1 - SHIPPING / OFFICE - ENLARGED PLAN
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CURB TYPES

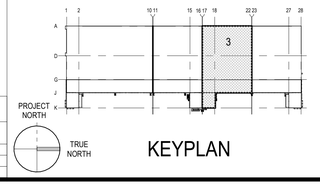
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MATERIAL ABBREVIATION

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ALUM.	ALUMINUM	EXIST	EXISTING	PC	POLISHED CONCRETE
BG	STEEL BAR GRATING	GALV	GALVANIZED	RD	RESIN DEK
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EP	EPOXY PAINT	MR	MOISTURE RESISTANT	VCT	VINYL COMPOSITION TILE

ROOM FINISH SCHEDULE - FREEZER

ROOM #	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE/CURB	NORTH WALL MATERIAL	NORTH WALL FINISH	EAST WALL MATERIAL	EAST WALL FINISH	SOUTH WALL MATERIAL	SOUTH WALL FINISH	WEST WALL MATERIAL	WEST WALL FINISH	CEILING MATERIAL	CEILING FINISH	REMARKS
101	UNIT 1 FREEZER (-20/55)	CONC.	SC	--	IMP		IMP		IMP		IMP		--	ES	
201	UNIT 2 FREEZER (-20/55)	CONC.	SC	--	IMP		IMP		IMP		IMP		--	ES	



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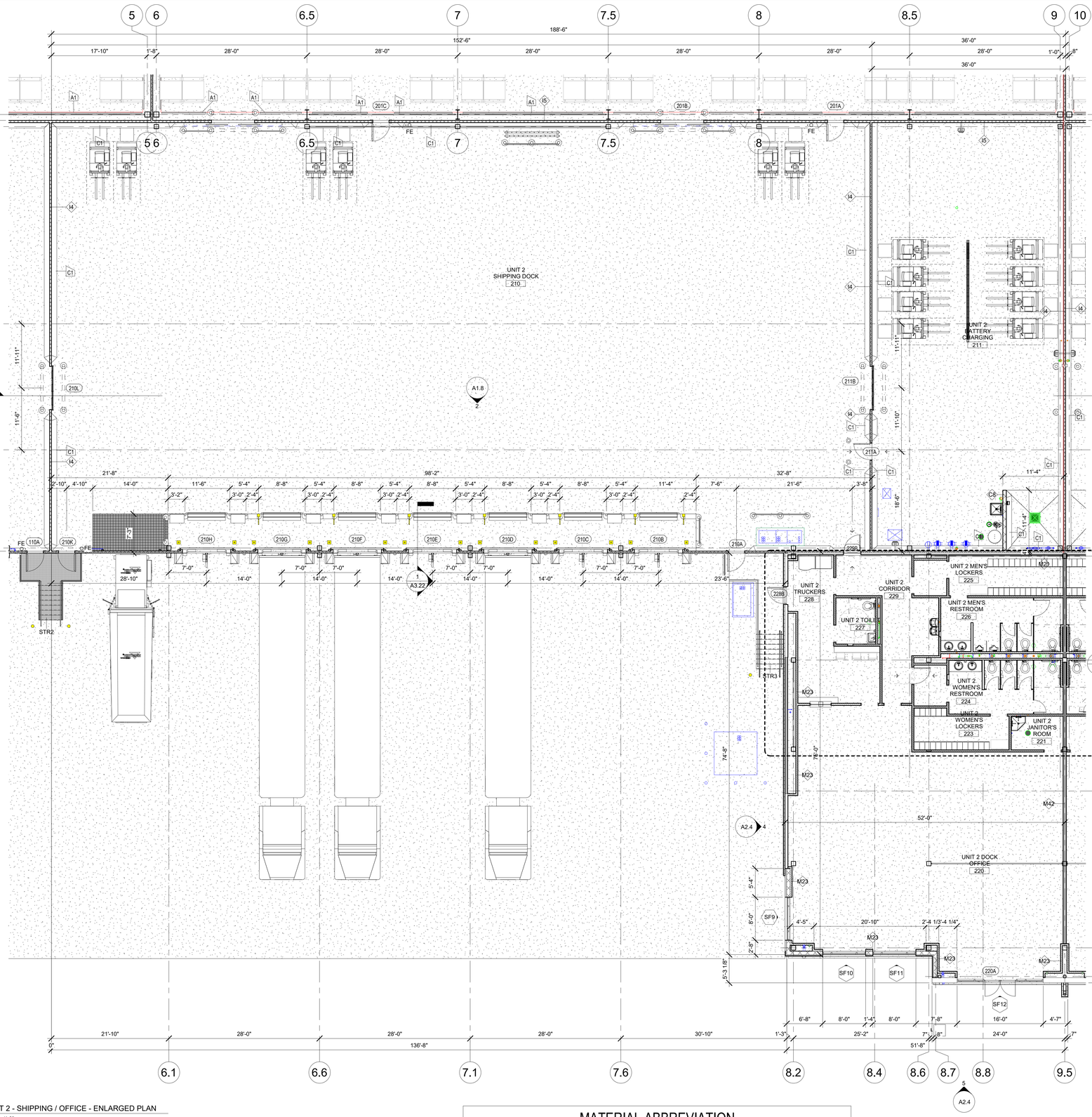
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seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
UNIT 1 - SHIPPING/OFFICE ENLARGED PLAN

sheet A1.4



1 UNIT 2 - SHIPPING / OFFICE - ENLARGED PLAN
A1.5 1/8" = 1'-0"

MATERIAL ABBREVIATION

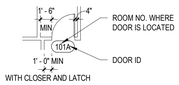
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ALUM.	ALUMINUM	EXIST	EXISTING	PC	POLISHED CONCRETE
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ROOM FINISH SCHEDULE - FREEZER 3-4

ROOM #	ROOM NAME	FLOOR			NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		REMARKS	FREEZER#3-4
		FLOOR MATERIAL	FLOOR FINISH	BASE/CURB	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH		
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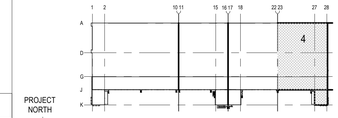
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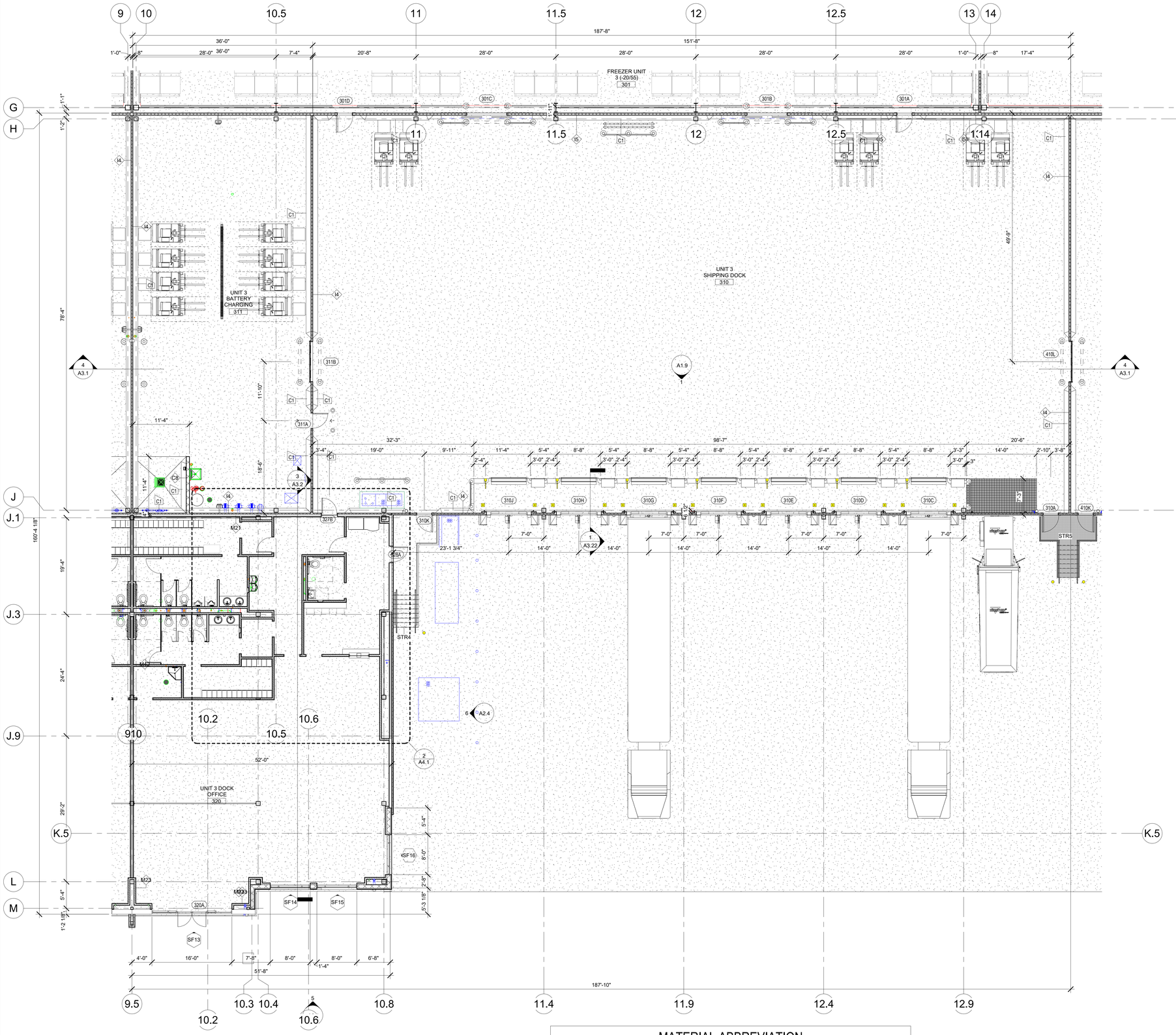
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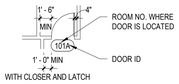
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KEYNOTES - DIMENSION

#	DESCRIPTION
1	[TYPE DESCRIPTION HERE]

WALL TYPES

TYPE MARK	DESCRIPTION
C8	
I2	2" INSULATED METAL PANEL
I4	4" INSULATED METAL PANEL
I4F	4" INSULATED METAL PANEL
I5	5" INSULATED METAL PANEL
M01	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE TO 6" ABOVE CEILING
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M03	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE WITH 3 1/2" SOUND ATTENUATION BATT TO 6" ABOVE CEILING
M04	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE WITH 3 1/2" SOUND ATTENUATION BAT INSULATION, GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
M05	3-5/8" METAL STUDS @ 16" OC WITH 2 LAYERS OF 5/8" GYP BD EACH SIDE WITH 3 1/2" SOUND ATTENUATION BATT TO UNDERSIDE OF DECK ABOVE
M6	Exterior 2x6 + Brick
M19	3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" PAPERLESS, MOLD-RESISTANT GYP BD ON RESTROOM SIDE TO DECK ABOVE, GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
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M42	6" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE TO UNDERSIDE OF DECK ABOVE, GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
M61	6" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD ONE SIDE TO 6" ABOVE CEILING
RR	

CURB TYPES

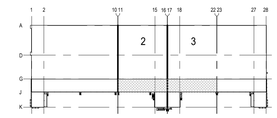
TYPE	DESCRIPTION
A1	3" x 6" x 1/4" STEEL ANGLE
C1	CAST IN PLACE CONCRETE CURB 12" DEPTH WITH 24" VERTICAL FACE

MATERIAL ABBREVIATION

ACT	ACOUSTICAL CEILING TILE	ES	EXPOSED STRUCTURE	P	PAINT
ALUM.	ALUMINUM	EXIST	EXISTING	PC	POLISHED CONCRETE
BG	STEEL BAR GRATING	GALV	GALVANIZED	RD	RESIN DEK
CMU	CONCRETE MASONRY UNIT	GWB	GYPSUM WALL BOARD	SC	SEALED CONCRETE
CONC	CONCRETE	IMP	INSULATED METAL PANEL	STL	STEEL
E	EPOXY	MTL	METAL	VACT	VINYL COATED ACOUSTICAL CEILING TILE
EP	EPOXY PAINT	MR	MOISTURE RESISTANT	VCT	VINYL COMPOSITION TILE

ROOM FINISH SCHEDULE - UNIT 3

ROOM #	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE/CURB	NORTH WALL MATERIAL	NORTH WALL FINISH	EAST WALL MATERIAL	EAST WALL FINISH	SOUTH WALL MATERIAL	SOUTH WALL FINISH	WEST WALL MATERIAL	WEST WALL FINISH	CEILING MATERIAL	CEILING FINISH	REMARKS
310	UNIT 3 SHIPPING DOCK	CONC.	PC	--	IMP		IMP		IMP		IMP		--	ES	
311	UNIT 3 BATTERY CHARGING	--	CONC / E	--	IMP		IMP		IMP		IMP		--	ES	



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11/29/2022	60% PROGRESS ISSUE

drawing status

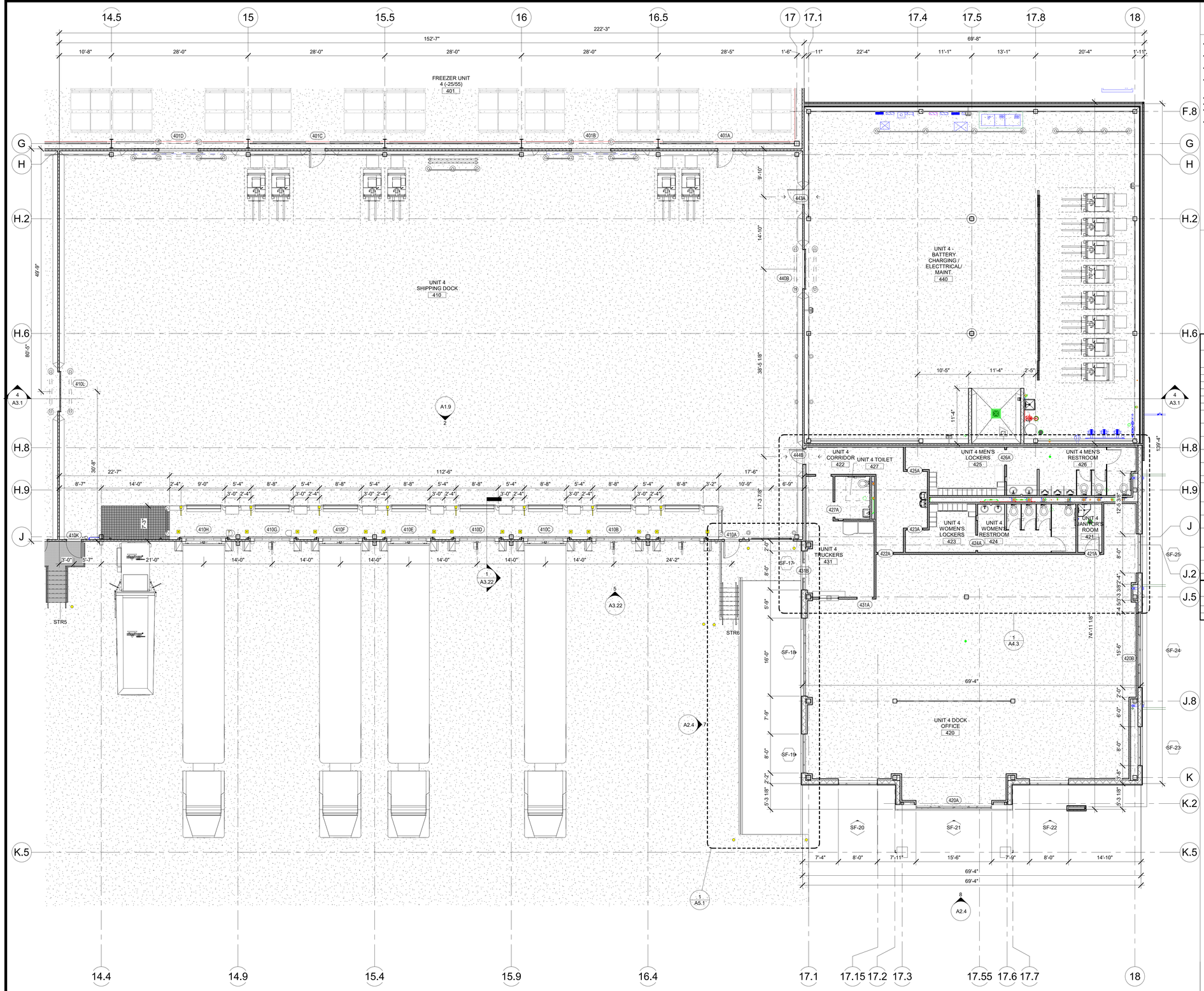
project no. 20-086

seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

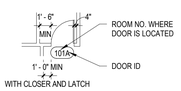
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UNIT 3 - SHIPPING/OFFICE ENLARGED PLAN

sheet
A1.6



GENERAL DIMENSION NOTES

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RR	

CURB TYPES

TYPE	DESCRIPTION
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C1	CAST IN PLACE CONCRETE CURB 12" DEPTH WITH 24" VERTICAL FACE

1 UNIT 4 - SHIPPING / OFFICE -ENLARGED PLAN
A1.7 1/8" = 1'-0"

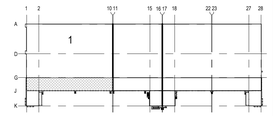
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ROOM FINISH SCHEDULE - UNIT 4

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410	UNIT 4 SHIPPING DOCK	CONC.	PC	--	IMP		IMP		IMP		IMP		--	ES	
411	UNIT 4 BATTERY CHARGING	--	CONC / E	--	IMP		CONC.		CONC.		IMP		--	ES	

PROJECT NORTH
TRUE NORTH



KEYPLAN

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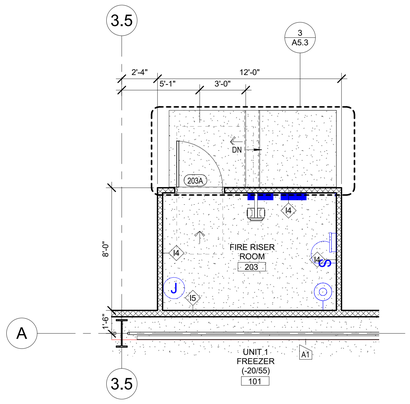
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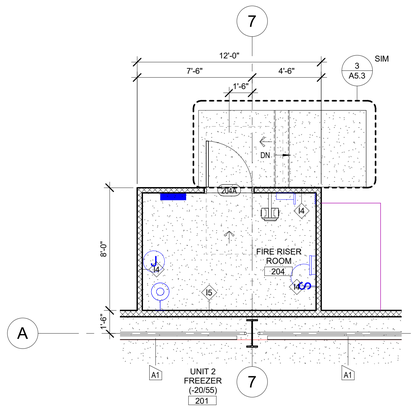
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
UNIT 4 - SHIPPING/OFFICE ENLARGED PLAN

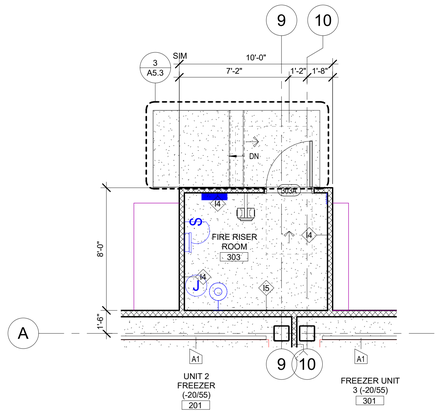
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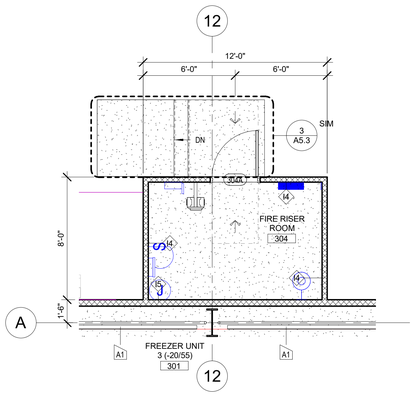
1 ENLARGED PLAN - RISER ROOM
A1.10 1/4" = 1'-0"



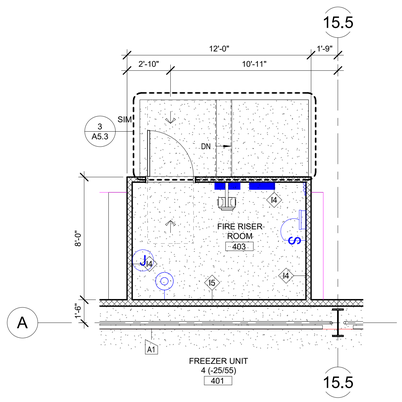
2 ENLARGED PLAN - RISER ROOM
A1.10 1/4" = 1'-0"



3 ENLARGED PLAN - RISER ROOM
A1.10 1/4" = 1'-0"



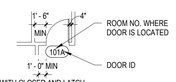
4 ENLARGED PLAN - RISER ROOM
A1.10 1/4" = 1'-0"



6 ENLARGED PLAN - RISER ROOM
A1.10 1/4" = 1'-0"

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NORTH CAROLINA
REGISTERED
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title
ENLARGED FIRE RISER PLANS

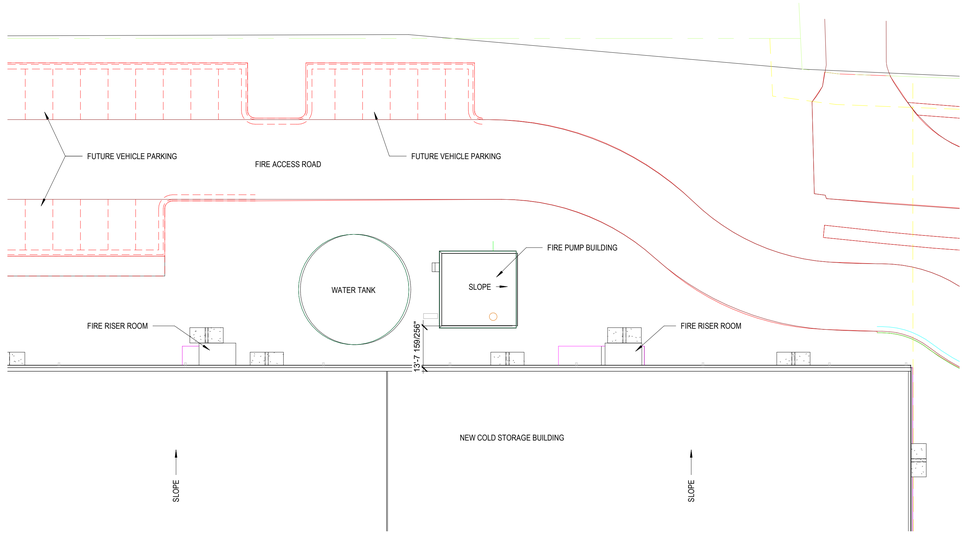
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KEYNOTES - ROOF PLAN

#	DESCRIPTION
1	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 8.7" (R-50.4) POLYISOCYANURATE ROOF INSULATION (3 LAYERS) ON 1 1/2" METAL ROOF DECK (FREEZER, CONVERTIBLE ROOMS AND PENTHOUSES).
2	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 6.2" (R-36) POLYISOCYANURATE ROOF INSULATION (2 LAYERS) ON 1 1/2" METAL ROOF DECK (TRUCK DOCK).
3	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 5" (R-30.6) POLYISOCYANURATE ROOF INSULATION (2 LAYERS) ON 1 1/2" METAL ROOF DECK (DOCK OFFICES).
4	3'-10" METAL CANOPY. SEE DETAIL 3/A322
5	PRE-FINISHED ALUMINUM GUTTER AND DOWNSPOUT
6	ROOFTOP EQUIPMENT. SEE MECHANICAL
7	EXHAUST FAN. SEE MECHANICAL
8	BAR GRANTING REFRIGERATION PLATFROM. SEE STRUCTURAL
9	REFRIGERATION PENTHOUSE (METAL DECK BELOW UNIT TO BE REMOVED COORDINATE SIZE AND LOCATIONS WITH REFRIGERATION)
10	REFRIGERATION CONDENSER UNITS. SEE REFRIGERATION
11	2" EXPANSION JOINT. SEE DETAIL XX /A
13	GALVANIZED FALL PROTECTION GUARDRAIL. SEE DETAIL
14	CROSS OVER STAIR
15	ROOFTOP WALK WAY PROTECTION PAD SYSTEM

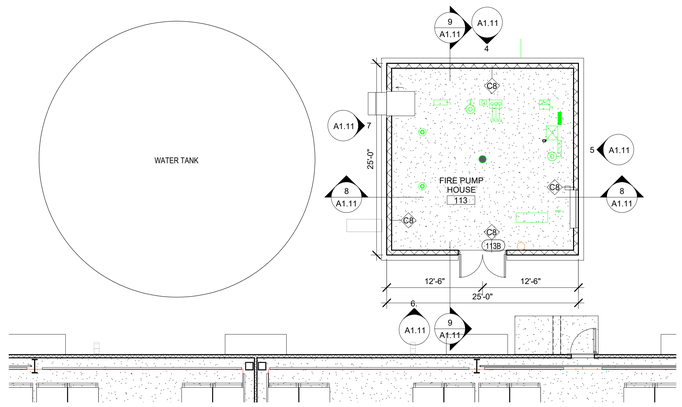
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M61	6" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD ONE SIDE TO 6" ABOVE CEILING
RR	

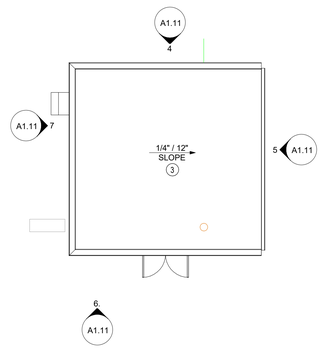


PROJECT NORTH
TRUE NORTH

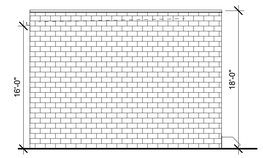
1 ENLARGED PLAN - PUMP HOUSE
A1.11 1" = 20'-0"



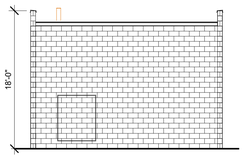
2 ENLARGED - FIRE PUMP
A1.11 1/8" = 1'-0"



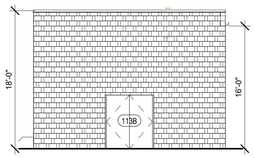
3 ROOF PLAN - FIRE PUMP
A1.11 1/8" = 1'-0"



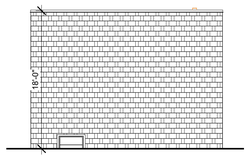
4 EXTERIOR ELEVATION - WEST
A1.11 1/8" = 1'-0"



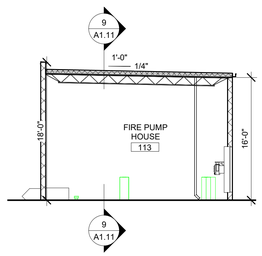
5 EXTERIOR ELEVATION - NORTH
A1.11 1/8" = 1'-0"



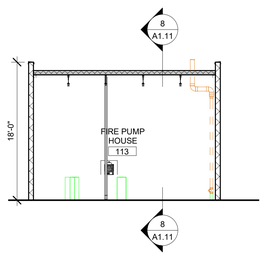
6. EXTERIOR ELEVATION - EAST
A1.11 1/8" = 1'-0"



7 EXTERIOR ELEVATION - SOUTH
A1.11 1/8" = 1'-0"



8 FIRE PUMP SECTION
A1.11 1/8" = 1'-0"



9 FIRE PUMP SECTION
A1.11 1/8" = 1'-0"

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A NEW REFRIGERATED WAREHOUSE FACILITY

COLD SUMMIT DEVELOPMENT
LOVE. LISTEN. COMMUNICATE.

187 RALEIGH STREET WILMINGTON, NC 28412

date	description
12/12/22	ISSUED FOR PERMIT
11/29/2022	60% PROGRESS ISSUE

drawing status

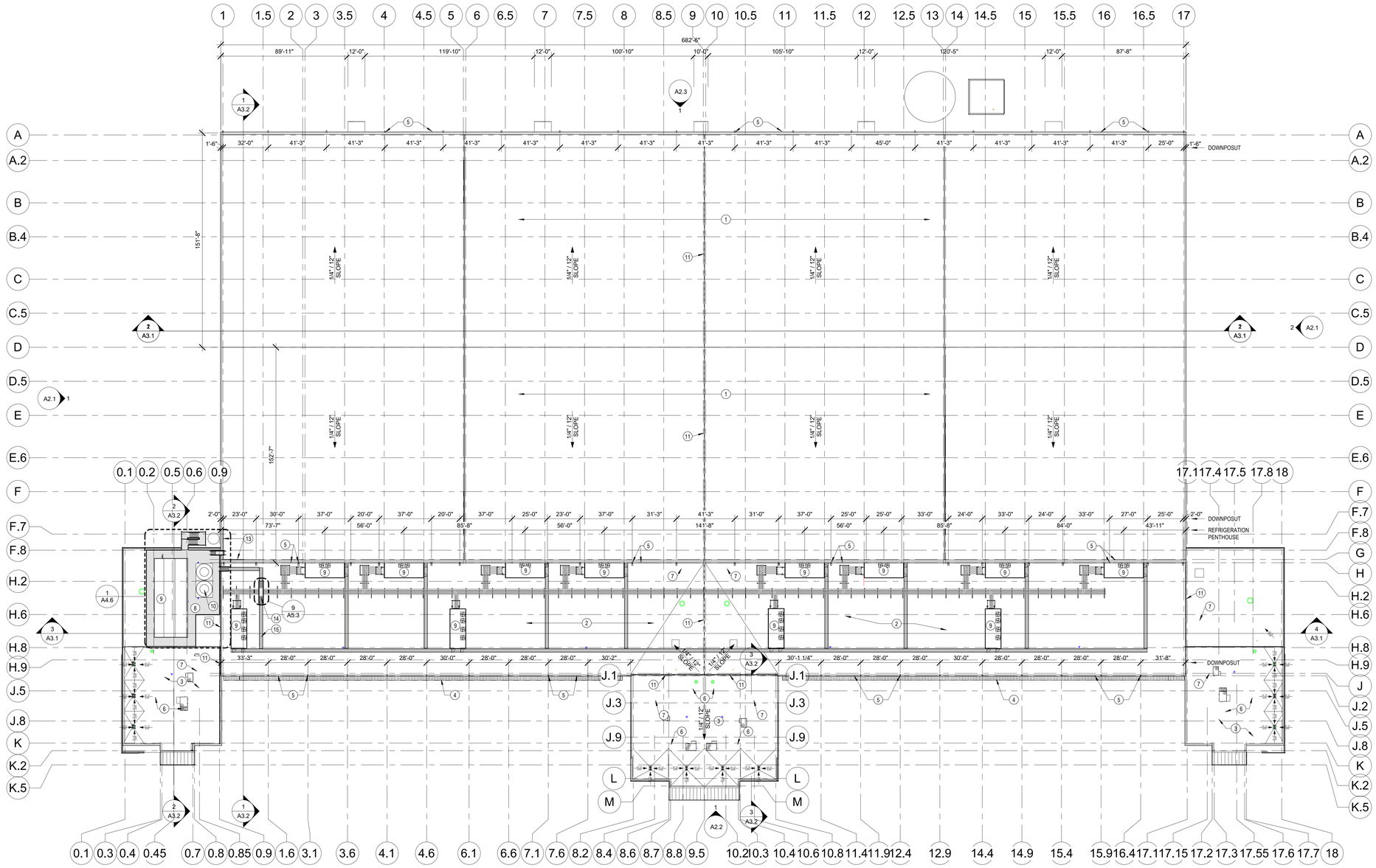
project no. 20-086

seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
ENLARGED FIRE PUMP

sheet A1.11



A1 ROOF PLAN
A1.90 1/32" = 1'-0"

GUTTER AND DOWNSPOUT SIZING

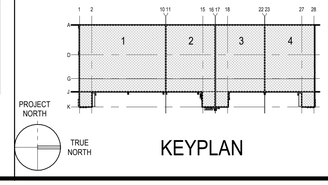
PROJECT:		
20-086 COLD SUMMIT WILMINGTON, N.C.		
RAINFALL DATA LOCATION:		
WILMINGTON, N.C.		
DOWNPOUT SIZING FOR 1/4" PER FOOT ROOF SLOPE:		
RAINFALL INTENSITY (FROM **SMACNA TABLE 1-2**) (**=I**)	7.30	10 YEAR STORM
SF DRAINED PER SI DOWNSPOUT (FROM **SMACNA TABLE 1-2**)	160	
ROOF AREA (S.F.)	**FREEZER**	**DOCK**
ROOF AREA (**SF**)	102,821	50,423
TRIBUTARY AREA (SF) OF ADJACENT ROOF (**0 OF N/A**)	0	102,821
TOTAL ROOF AREA (**SF**)	102,821	153,244
NUMBER OF DOWNSPOUTS:	18	18(14 REQUIRED)
DOWNSPOUT SIZING & GUTTER SIZING:		
SQUARE INCHES REQUIRED EACH DOWNSPOUT:	36.36	53.21
DOWNSPOUT SIZE PROVIDED (**D" x W"**)	8" x 8"	9" x 9"
MAX. DISTANCE BETWEEN DOWNSPOUTS IN FEET (**=L**)	38.0	38.0
GUTTER DEPTH / WIDTH RATIO (**M=**)	0.75	0.75
MAX. RAINFALL INTENSITY X ROOF SF PER GUTTER SECTION (**=IA**)	42,103	64,540
GUTTER SIZE WIDTH IN FEET (**PER SMACNA CHART 1-1**)	xxxxxx	xxxxxx
GUTTER SIZE WIDTH IN INCHES	9"X9"	xxxxxx
GUTTER DEPTH / WIDTH PER RATIO (**M**) IN INCHES	1"	0.75
GUTTER SIZE PROVIDED (**D" X W"**)	9"X9"	9" x 12"

KEYNOTES - ROOF PLAN

#	DESCRIPTION
1	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 8.7" (R-50.4) POLYISOCYANURATE ROOF INSULATION (3 LAYERS) ON 1 1/2" METAL ROOF DECK (FREEZER, CONVERTIBLE ROOMS AND PENTHOUSES).
2	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 6.2" (R-36) POLYISOCYANURATE ROOF INSULATION (2 LAYERS) ON 1 1/2" METAL ROOF DECK (TRUCK DOCK).
3	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 5" (R-30.6) POLYISOCYANURATE ROOF INSULATION (2 LAYERS) ON 1 1/2" METAL ROOF DECK (DOCK OFFICES).
4	3'-10" METAL CANOPY. SEE DETAIL 3/A322
5	PRE-FINISHED ALUMINUM GUTTER AND DOWNSPOUT
6	ROOFTOP EQUIPMENT. SEE MECHANICAL
7	EXHAUST FAN. SEE MECHANICAL
8	BAR GRANTING REFRIGERATION PLATFROM. SEE STRUCTURAL
9	REFRIGERATION PENTHOUSE (METAL DECK BELOW UNIT TO BE REMOVED COORDINATE SIZE AND LOCATIONS WITH REFRIGERATION)
10	REFRIGERATION CONDENSER UNITS. SEE REFRIGERATION
11	2" EXPANSION JOINT. SEE DETAIL XX /A
13	GALVANIZED FALL PROTECTION GUARDRAIL. SEE DETAIL
14	CROSS OVER STAIR
15	ROOFTOP WALK WAY PROTECTION PAD SYSTEM

GENERAL ROOF NOTES

1. SEE MEP & R FOR NEW ROOF TOP EQUIPMENT.
2. SEE STRUCTURAL DRAWINGS FOR SUPPORT OF ALL NEW ROOF CURBS.
3. COORDINATE SIZE OF ROOF CURBS TO MATCH ROOFING MATERIAL THICKNESS OF NEW ROOF.
4. ALL ROOF SLOPES ARE 1/4" UNLESS OTHERWISE NOTED IN DRAWINGS.
5. PROVIDE SPLASH PADS AT ALL DOWNSPOUT LOCATIONS.
6. ROOF INSULATION TO HAVE STAGGERED JOINTS.
7. ALL WALKPADS TO BE CONTINUOUS ROLLED, NON SLIP WITH MIN 30" WIDTH.
8. ALL NEW ROOF TOP PENTHOUSES AND MECHANICAL UNITS TO HAVE ROOFING CRICKETS TO ENSURE PROPER RAIN WATER DRAINAGE.



KEYPLAN

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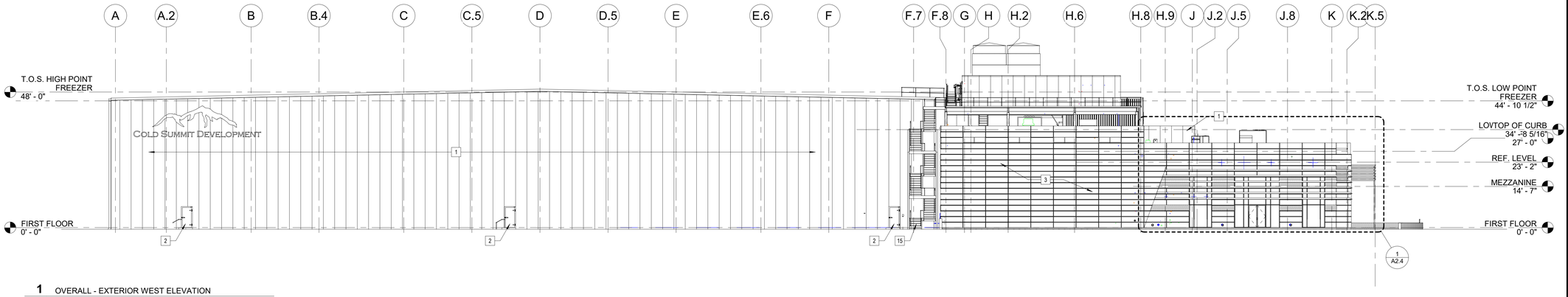
NORTH CAROLINA REGISTERED 15548 ARCHITECT JOANA K. BERLING

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ROOF PLAN

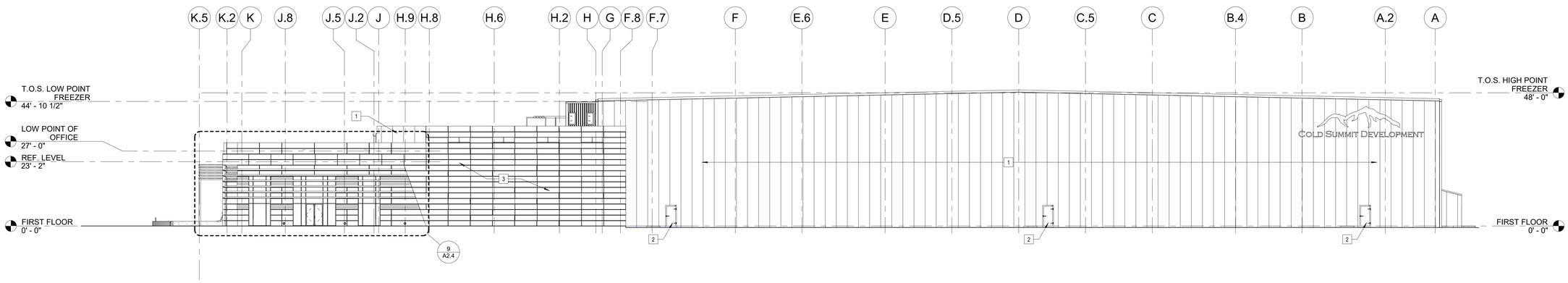
sheet
A1.90

KEYNOTES - EXTERIOR ELEVATION

#	DESCRIPTION
1	INSULATED METAL PANEL
2	INFIT FREEZER DOOR. SEE DOOR SCHEDULE
3	METAL ARCHITECTURAL CF (2' X 8') HORIZONTAL WALL PANEL
9	PREFINISHED MTL. GUTTER AND DOWNSPOUTS.
10	3'-10" WIDE PREFINISHED MTL. CANOPY.
11	INSULATED DOCK DOOR w/ SHELTER. SEE DETAIL ON
12	TRASH COMPACTOR. BY OTHERS.
13	CONCRETE STAIRS. SEE DETAIL ON SHEET A501.
14	CONCRETE RAMP. SEE DETAIL ON SHEET A501.
15	STEEL GRANTING STAIRS. SEE DETAIL ON SHEET A503.
16	SECTIONAL DOOR. SEE SCHEDULE.
17	HOLLOW METAL DOOR. SEE DOOR SCHEDULE.
18	INSULATED METAL ROOF PANEL.



1 OVERALL - EXTERIOR WEST ELEVATION
A2.1 1/16" = 1'-0"



2 OVERALL - EXTERIOR EAST ELEVATION
A2.1 1/16" = 1'-0"

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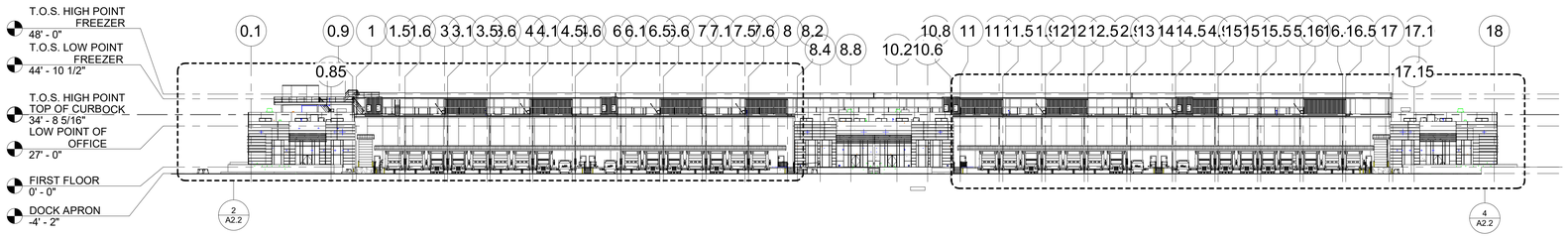
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
EXTERIOR ELEVATIONS

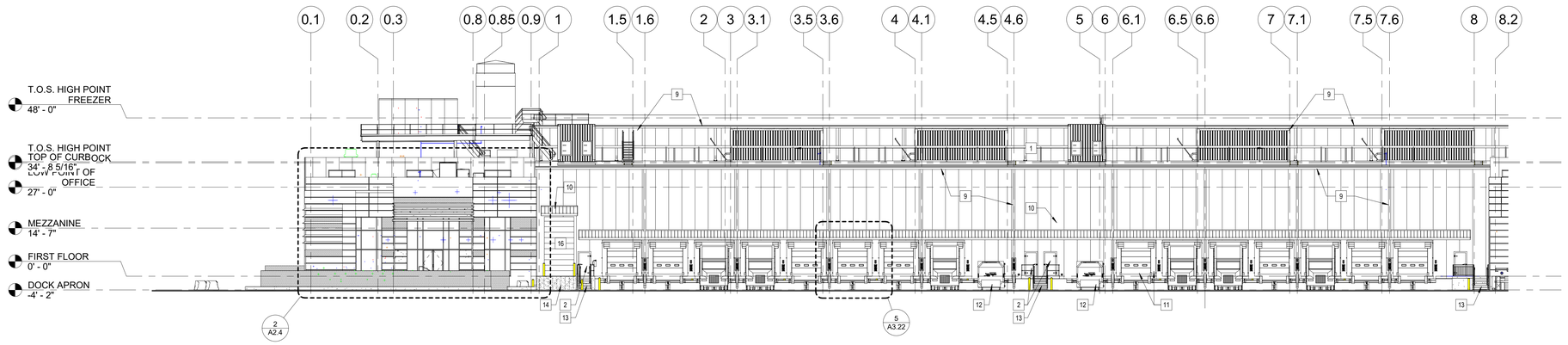
sheet
A2.1

KEYNOTES - EXTERIOR ELEVATION

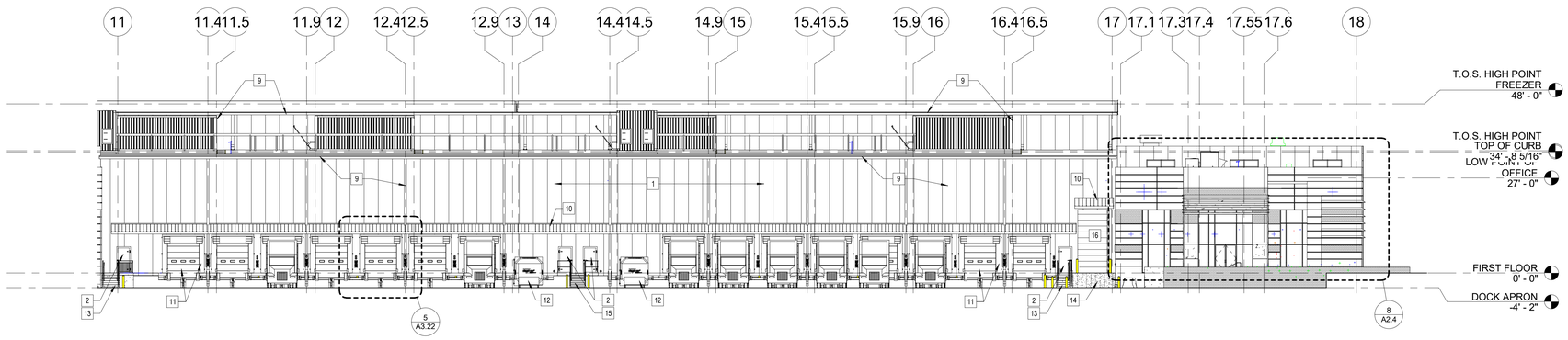
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14	CONCRETE RAMP. SEE DETAIL ON SHEET A501.
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16	SECTIONAL DOOR. SEE SCHEDULE.
17	HOLLOW METAL DOOR. SEE DOOR SCHEDULE.
18	INSULATED METAL ROOF PANEL.



1 OVERALL EXTERIOR ELEVATION - SOUTH
A2.2 1" = 40'-0"



2 PARTIAL SOUTH - EXTERIOR ELEVATION
A2.2 1/16" = 1'-0"



4 PARTIAL SOUTH - EXTERIOR ELEVATION
A2.2 1/16" = 1'-0"

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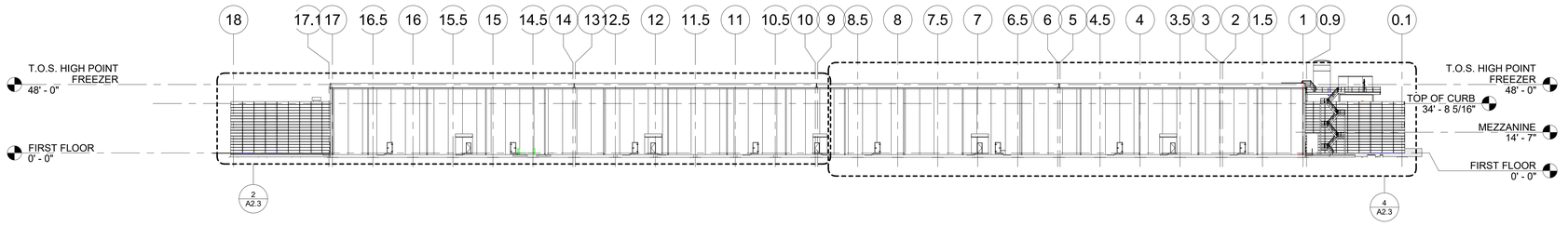
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
EXTERIOR ELEVATIONS

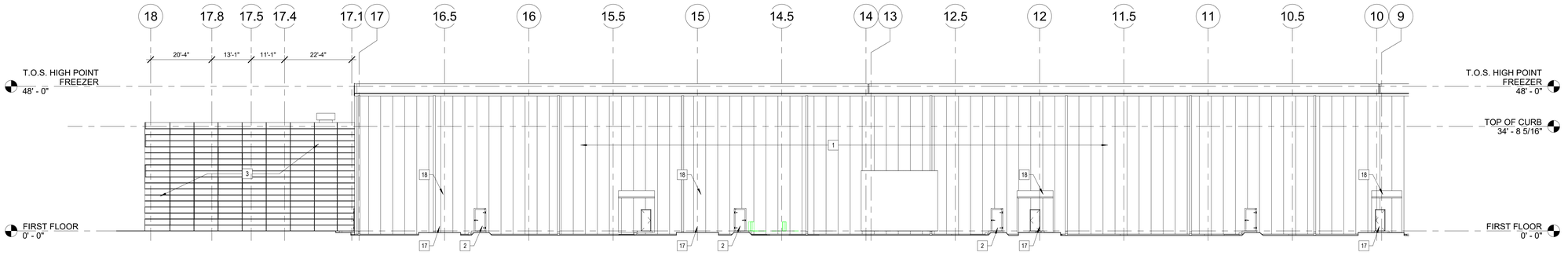
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A2.2

KEYNOTES - EXTERIOR ELEVATION

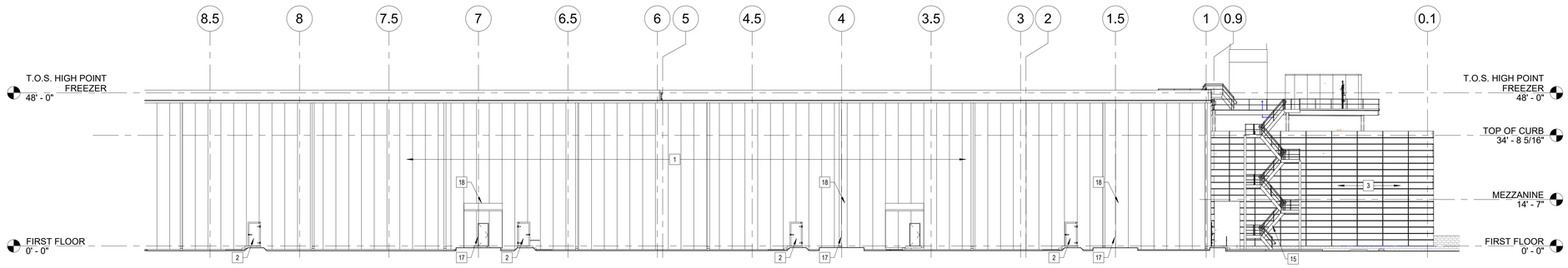
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17	HOLLOW METAL DOOR. SEE DOOR SCHEDULE.
18	INSULATED METAL ROOF PANEL.



1 OVERALL - EXTERIOR NORTH ELEVATION
A2.3 1" = 40'-0"



2 PARTIAL NORTH - EXTERIOR ELEVATION
A2.3 1/16" = 1'-0"



4 PARTIAL NORTH - EXTERIOR ELEVATION
A2.3 1/16" = 1'-0"

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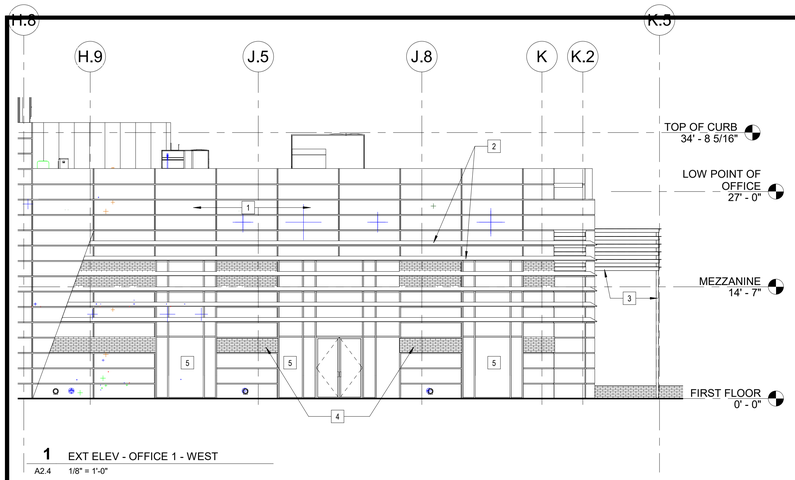
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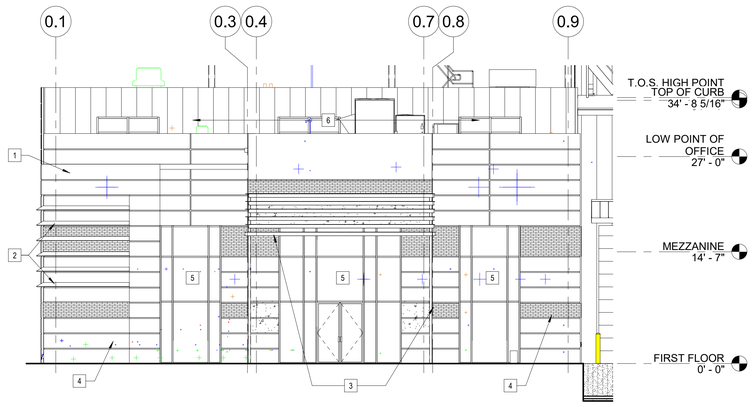
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title
EXTERIOR ELEVATIONS

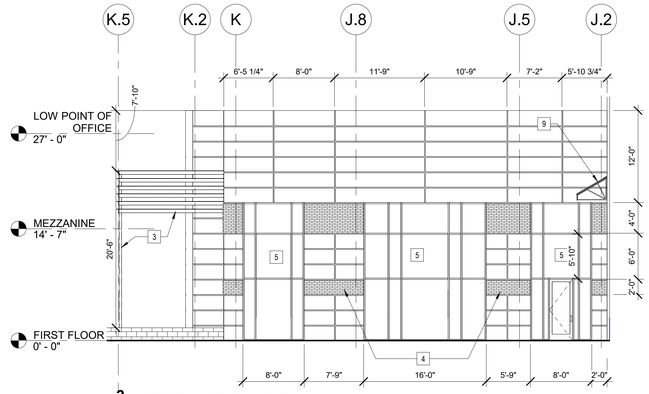
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A2.3



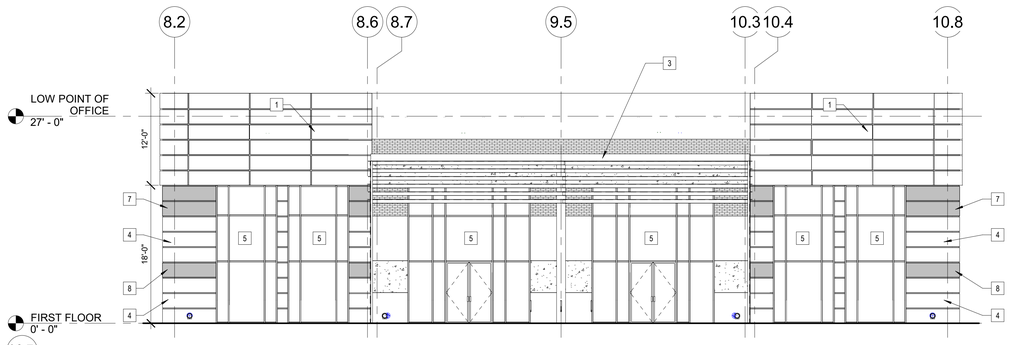
1 EXT ELEV - OFFICE 1 - WEST
A2.4 1/8" = 1'-0"



2 EXT ELEV - OFFICE 1 - SOUTH
A2.4 1/8" = 1'-0"



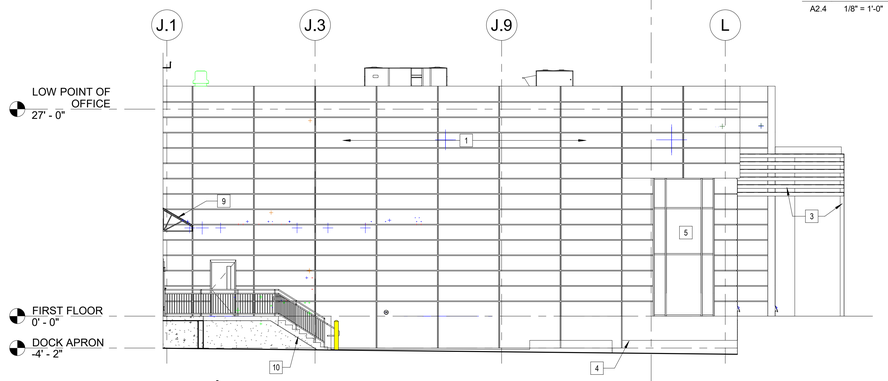
3 EXT ELEV - OFFICE 1 - EAST
A2.4 1/8" = 1'-0"



5 OFFICE SUITS 2 & 3 SOUTH ELEVATION
A2.4 1/8" = 1'-0"

KEYNOTES - ELEVATION OFFICE

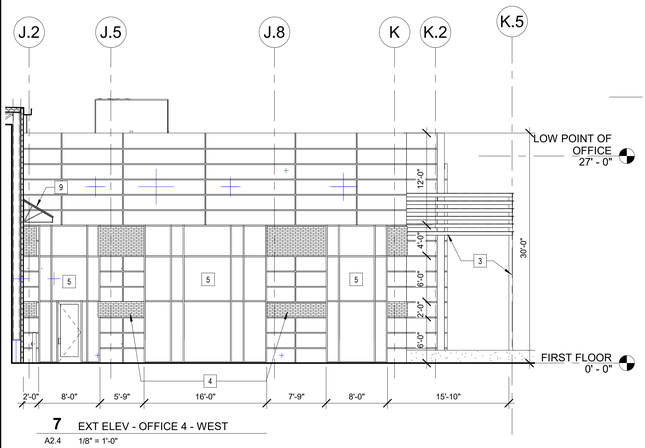
#	DESCRIPTION
1	METAL ARCHITECTURAL CF (2' X 8') HORIZONTAL WALL PANEL
2	ARCHITECTURAL METAL SHADE LOUVERS - 12" DEEP. MATCH METAL SPAN PANEL COLORING
3	STRUCTURE EXPOSED ENTRY CANOPY. TUBE STEEL
4	BEST BRICK-CHARLESTON BLEN
5	STOREFRONT WINDOW SYSTEM
6	INSULATED METAL PANEL BEHIND
7	BEST BRICK-DENVER BLEND RUNNING BOND 4" ALL AROUND
8	BEST BRICK-DENVER BLEND RUNNING BOND 2" ALL AROUND
9	METAL CANOPY. SEE DETAIL 3/A322
10	CONCRETE STAIRS



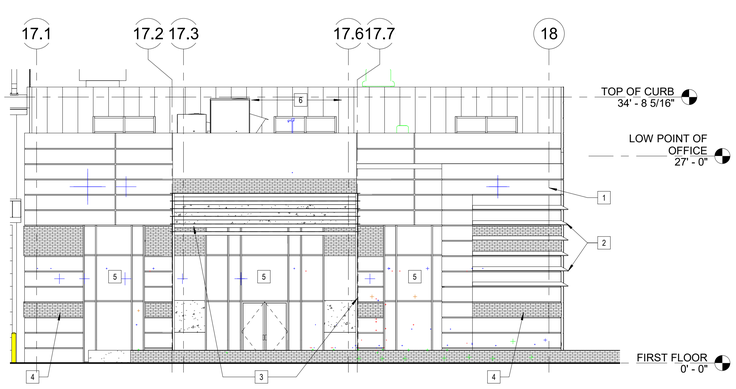
4 OFFICE SUIT 2 WEST ELEVATION
A2.4 1/8" = 1'-0"



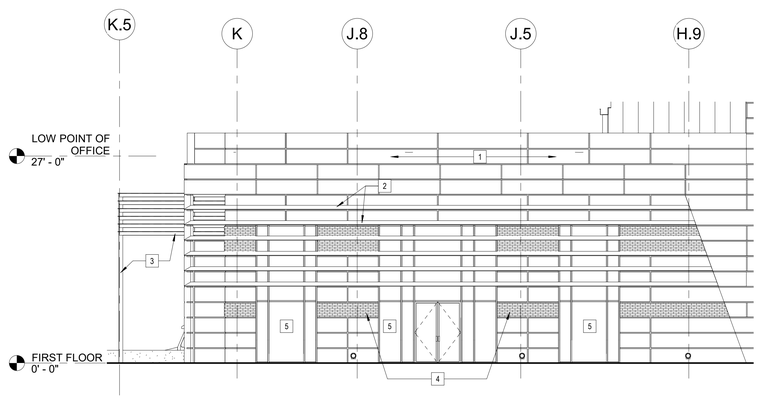
6 OFFICE SUIT 3 EAST ELEVATION
A2.4 1/8" = 1'-0"



7 EXT ELEV - OFFICE 4 - WEST
A2.4 1/8" = 1'-0"



8 EXT ELEV - OFFICE 4 - SOUTH
A2.4 1/8" = 1'-0"



9 EXT ELEV - OFFICE 4 - EAST
A2.4 1/8" = 1'-0"

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date	description
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drawing status

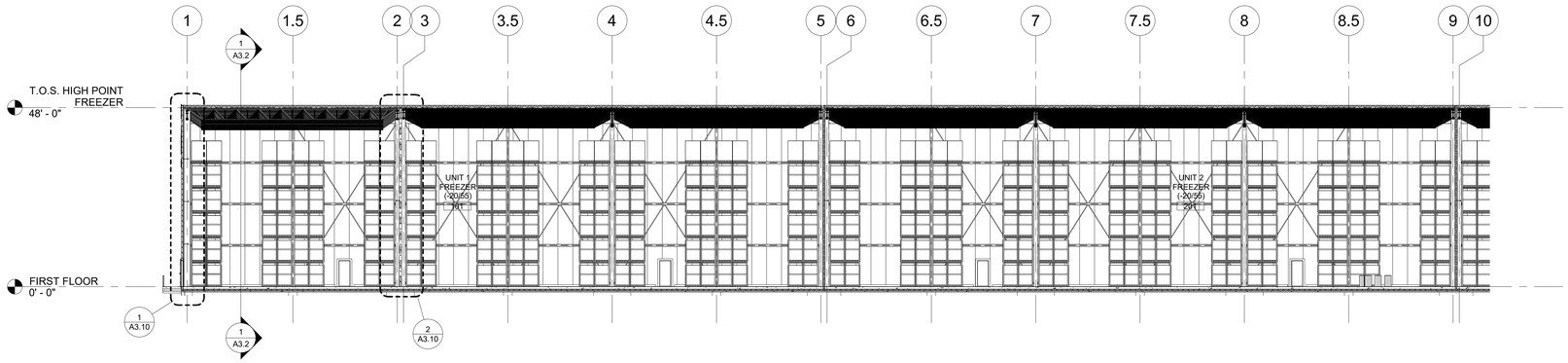
project no. 20-086

seal

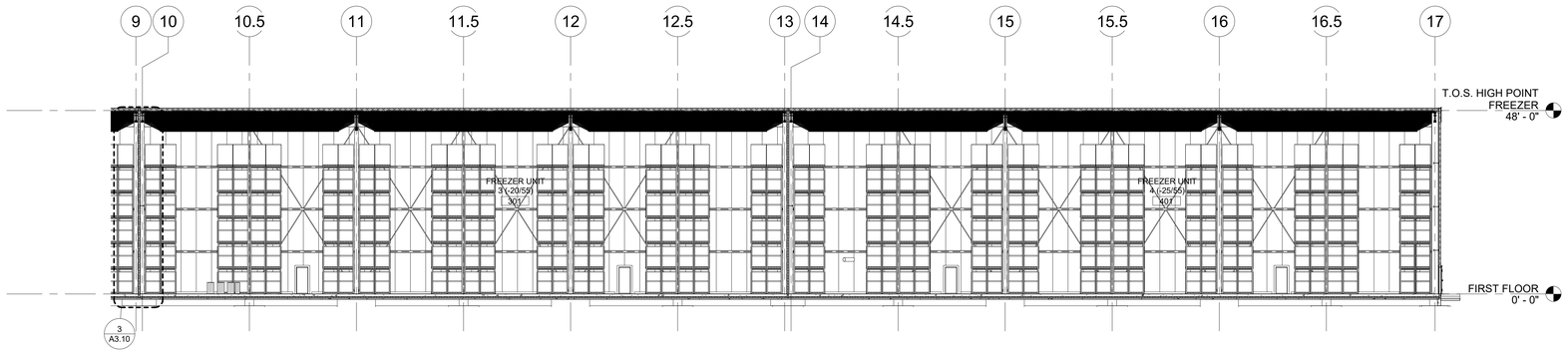
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

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EXTERIOR ELEVATIONS

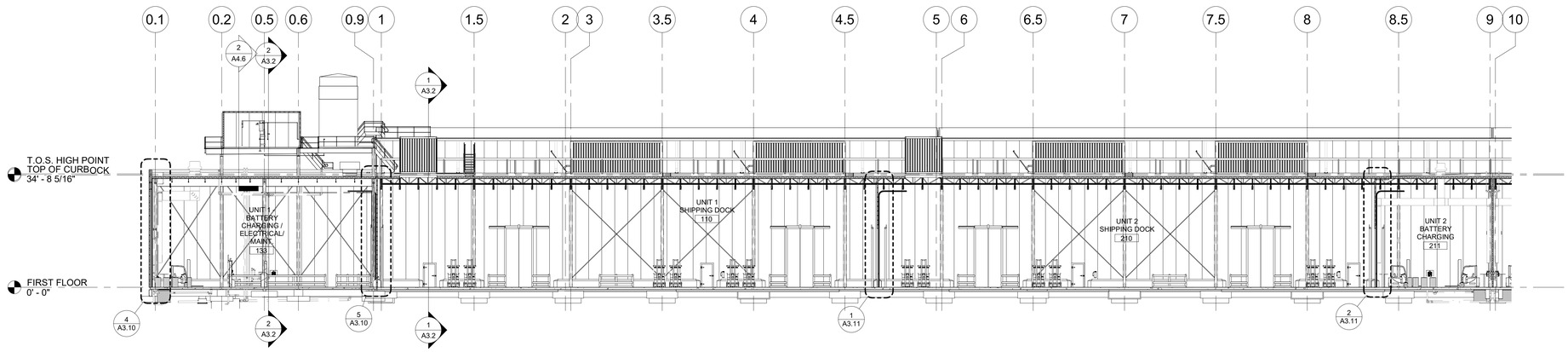
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A2.4



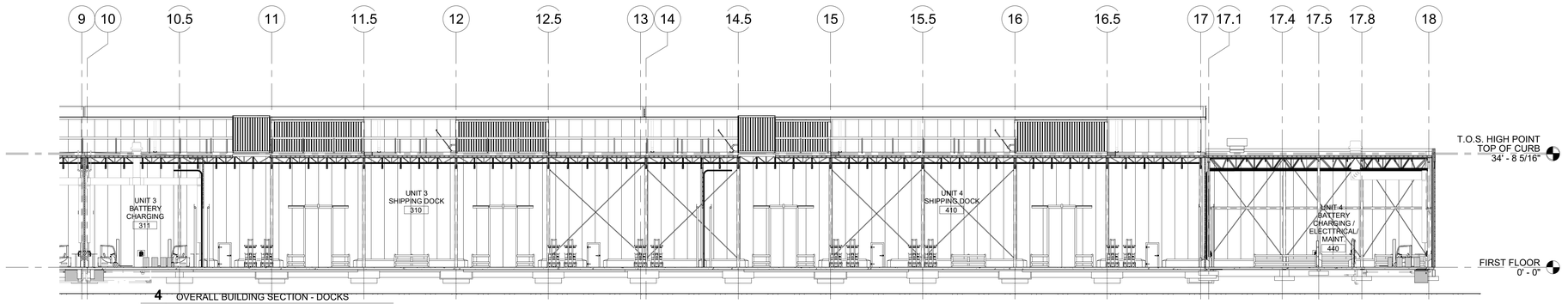
1 BUILDING SECTION - FREEZER
A3.1 1/16" = 1'-0"



2 BUILDING SECTION - FREEZER
A3.1 1/16" = 1'-0"



3 BUILDING SECTION - DOCKS
A3.1 1/16" = 1'-0"



4 OVERALL BUILDING SECTION - DOCKS
A3.1 1/16" = 1'-0"

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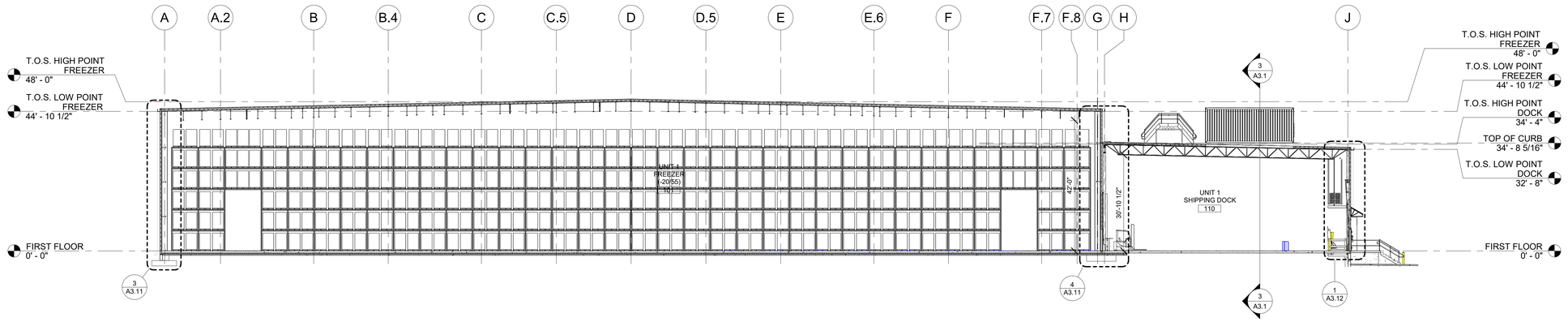
project no. 20-086

seal

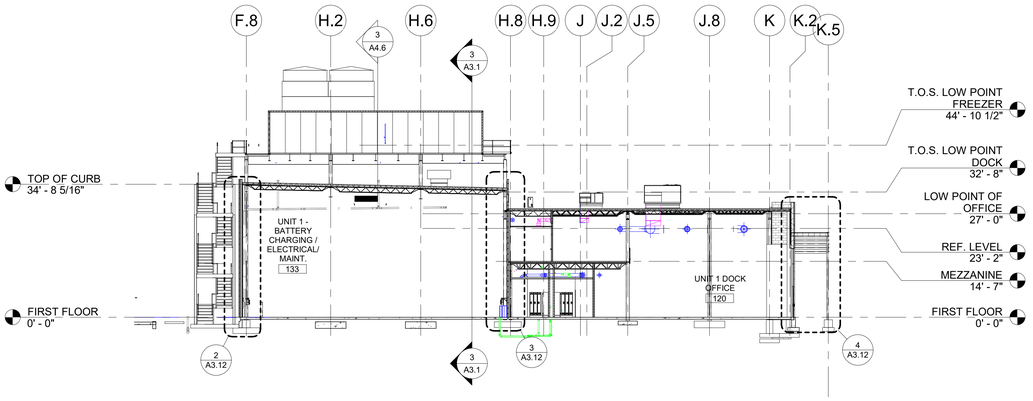
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
BUILDING SECTIONS

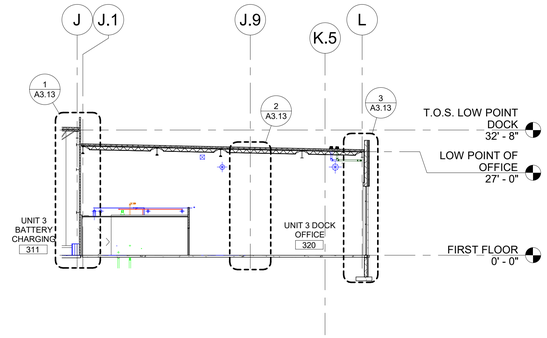
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A3.1



1 BUILDING SECTION -FREEZER/DOCK/OFFICE
A3.2 1/16" = 1'-0"



2 BUILDING SECTION - B.C./ OFFICE 1
A3.2 1/16" = 1'-0"



3 BUILDING SECTION - DOCK / OFFICE
A3.2 1/16" = 1'-0"

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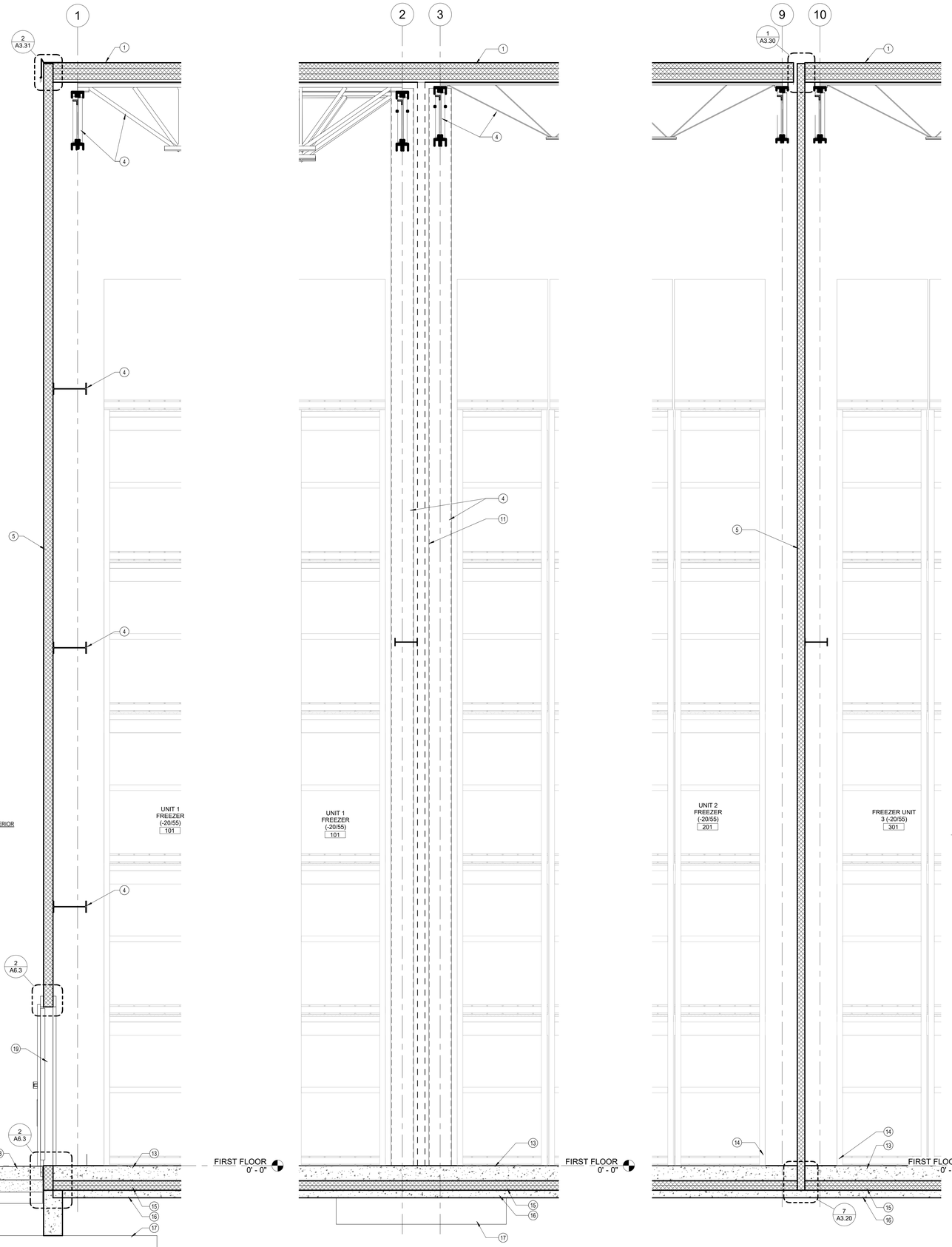
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seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
BUILDING SECTIONS

sheet
A3.2



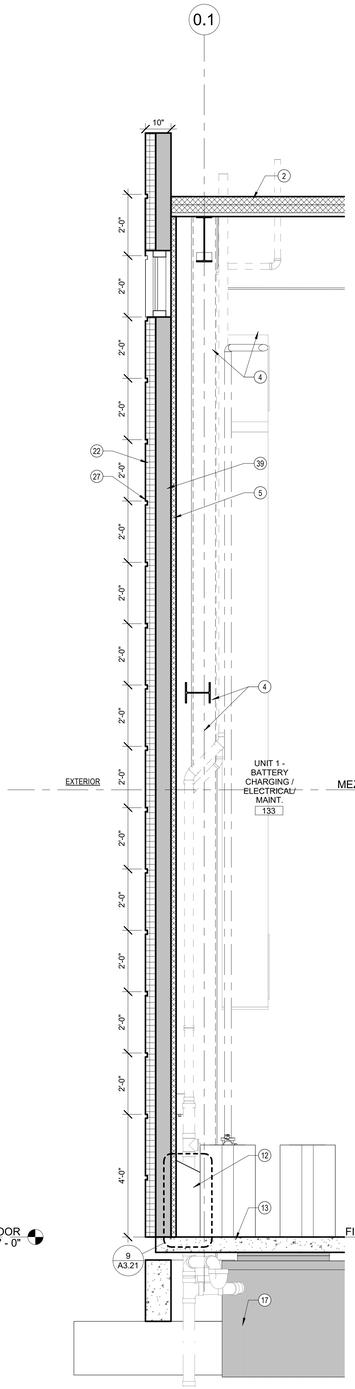
1 WALL SECTION
A3.10 1/2" = 1'-0"

2 WALL SECTION - FUTURE WALL
A3.10 1/2" = 1'-0"

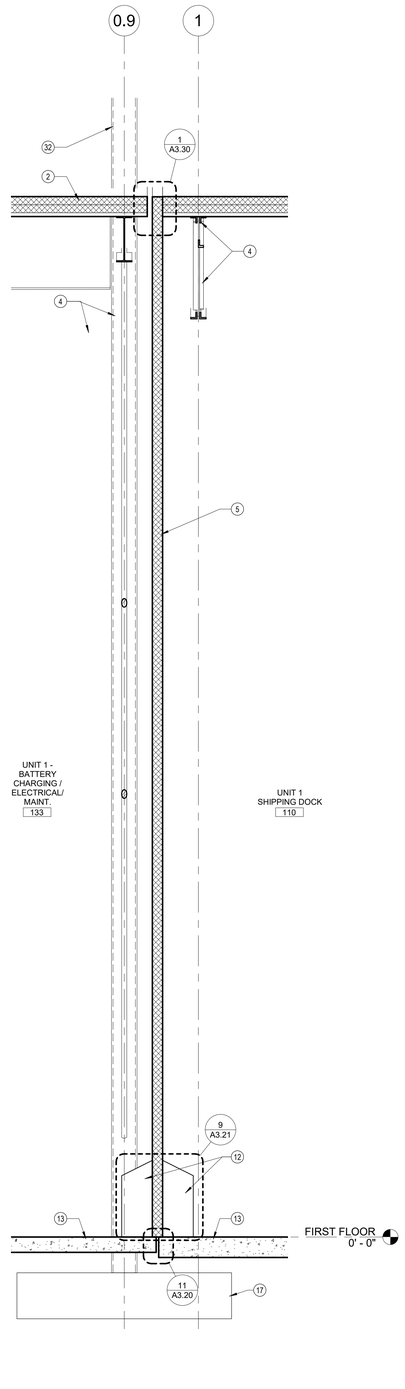
3 WALL SECTION
A3.10 1/2" = 1'-0"

#	KEYNOTES WALL SECTION
	DESCRIPTION
#	DESCRIPTION
1	60 MIL SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 8.7" (R-50.4) POLYISOCYANURATE ROOF INSULATION (3 LAYERS) ON 1 1/2" METAL ROOF DECK (FREEZER, CONVERTIBLE ROOMS AND PENTHOUSES).
2	60 MIL SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 6.2" (R-36) POLYISOCYANURATE ROOF INSULATION (2 LAYERS) ON 1 1/2" METAL ROOF DECK (TRUCK DOCK).
3	60 MIL SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 5" (R-30.6) POLYISOCYANURATE ROOF INSULATION (2 LAYERS) ON 1 1/2" METAL ROOF DECK (DOCK OFFICES).
4	STRUCTURAL STEEL. SEE STRUCTURAL DRAWINGS
5	INSULATED METAL WALL PANEL. SEE ENLARGED PLAN FOR WALL TYPE
6	3-5/8" METAL STUD w/ 5/8" GYP. BD. ONE SIDE. SEE FLOOR PLAN FOR WALL TYPES.
7	2" PINNED INSULATION ON PERIMETER TILT-UP WALLS TO DECK.
11	4" INSULATED METAL WALL PANEL (FUTURE).
12	24" HIGH CONCRETE CURB. SEE FLOOR PLAN FOR TYPES
13	CONCRETE SLAB. SEE STRUCTURAL
14	3"X6"X1/4" STEEL ANGEL WALL PROTECTION. SEE STRUCTURAL.
15	2 LAYERS OF UNDER SLAB RIGID INSULATION WITH STAGGERED JOINTS AND 6MIL. POLY SLIP SHEET.
16	CONCRETE SUB SLAB MINIMUM 3" THICKNESS WITH HEATING SYSTEM
17	CONCRETE FOUNDATION SYSTEM. SEE STRUCTURAL

#	KEYNOTES WALL SECTION
	DESCRIPTION
19	DOOR AS SCHEDULE. SEE DOOR SCHEDULE
20	SECTIONAL DOOR. SEE DOOR SHCEDULE
22	METAL ARCHITECTURAL CF (2' X 8') HORIZONTAL WALL PANEL
23	STAIR. SEE ENLARGED PLAN
25	CEILING AS SCHEDULE. REFER TO REFLECTED CEILING PLAN FOR TYPES
27	WALL REVEAL
28	6" DIA. PIPE U-GUARD w/ 1/4" x 4" x 12" PLATE FOR MOTION SENSOR MOUNTED TO CENTER OF THE HORIZONTAL STEEL EACH SIDE OF OPENING.
29	RACKING SYSTEM. SEE FLOOR PLAN
30	PREF-FINISHED METAL GUTTER AND DOWNSPOUT S. SEE ROOF PLAN
31	48" INSULATED METAL CEILING PANEL. SEE DETAIL 6/A3.30
32	STEEL COLUMN SUPPORT AT REFRIGERATION UNIT PLATFORM. SEE STRUCTURAL
33	EMPTY PALLET STORAGE. SEE STRUCTURAL
34	PREFINISHED METAL CANOPY
35	VERTICAL STOREING DOCK LEVELER BEYOND. SEE PLAN FOR LOCATION
36	VERTICAL DOCK DOOR BEYOND
37	DOCK SHELTER
38	CONCRETE LANDING. SEE STRUCTURAL
39	6" METAL STUD
40	BAR GRANTING EXTERIOR STAIR. SEE ENLARGED PLAN
41	CONCRETE SLAB OVER 2" METAL DECK. SEE STRUCTURAL
42	THERMALLY BROKEN ALUMINUM WINDOW FRAME
43	BRICK VENEER OVER CMU WALL. SEE FLOOR PLAN FOR TYPE



4 WALL SECTION
A3.10 1/2" = 1'-0"



5 WALL SECTION
A3.10 1/2" = 1'-0"

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title
WALL SECTIONS

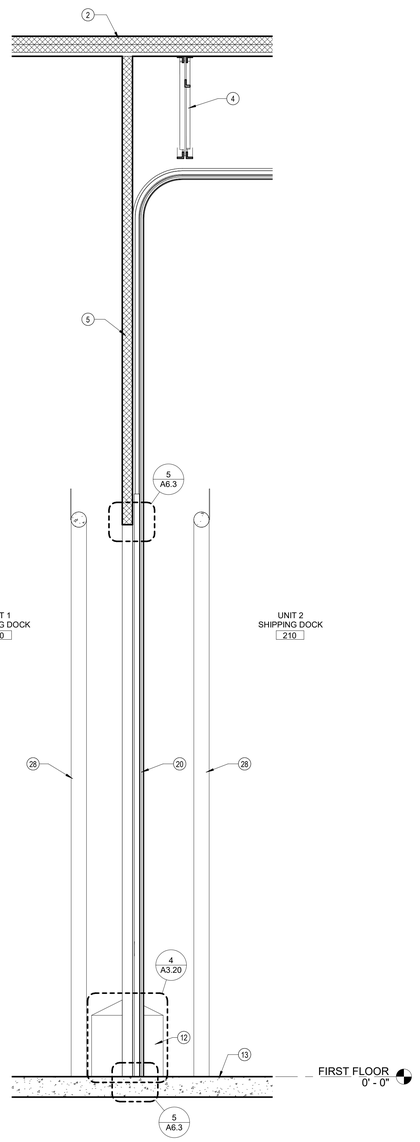
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KEYNOTES WALL SECTION

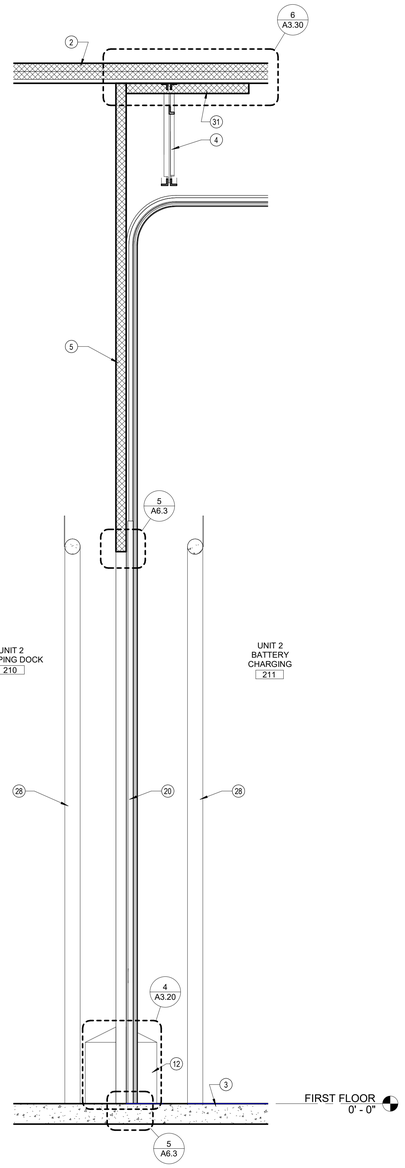
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2	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 6.2" (R-36) POLYISOCYANURATE ROOF INSULATION (2 LAYERS) ON 1 1/2" METAL ROOF DECK. (TRUCK DOCK).
3	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 5" (R-30.6) POLYISOCYANURATE ROOF INSULATION (2 LAYERS) ON 1 1/2" METAL ROOF DECK (DOCK OFFICES).
4	STRUCTURAL STEEL. SEE STRUCTURAL DRAWINGS
5	INSULATED METAL WALL PANEL. SEE ENLARGED PLAN FOR WALL TYPE
6	3-5/8" METAL STUD w/ 5/8" GYP. BD. ONE SIDE. SEE FLOOR PLAN FOR WALL TYPES.
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11	4" INSULATED METAL WALL PANEL (FUTURE).
12	24" HIGH CONCRETE CURB. SEE FLOOR PLAN FOR TYPES
13	CONCRETE SLAB. SEE STRUCTURAL
14	3"X6"X1/4" STEEL ANGEL WALL PROTECTION. SEE STRUCTURAL.
15	2 LAYERS OF UNDER SLAB RIGID INSULATION WITH STAGGERED JOINTS AND 6MIL. POLY SLIP SHEET.
16	CONCRETE SUB SLAB MINIMUM 3" THICKNESS WITH HEATING SYSTEM
17	CONCRETE FOUNDATION SYSTEM. SEE STRUCTURAL

KEYNOTES WALL SECTION

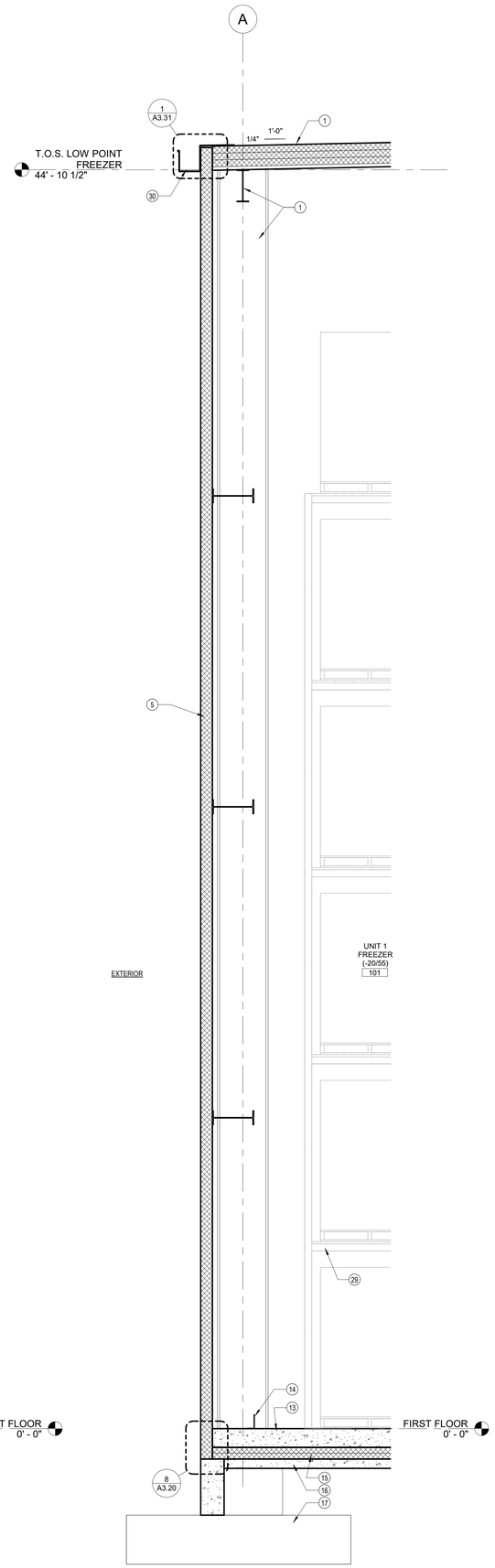
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30	PREF-FINISHED METAL GUTTER AND DOWNSPOUT S. SEE ROOF PLAN
31	48" INSULATED METAL CEILING PANEL. SEE DETAIL 6/A3.30
32	STEEL COLUMN SUPPORT AT REFRIGERATION UNIT PLATFORM. SEE STRUCTURAL
33	EMPTY PALLET STORAGE. SEE STRUCTURAL
34	PREFINISHED METAL CANOPY
35	VERTICAL STOREING DOCK LEVELER BEYOND. SEE PLAN FOR LOCATION
36	VERTICAL DOCK DOOR BEYOND
37	DOCK SHELTER
38	CONCRETE LANDING. SEE STRUCTURAL
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40	BAR GRANTING EXTERIOR STAIR. SEE ENLARGED PLAN
41	CONCRETE SLAB OVER 2" METAL DECK. SEE STRUCTURAL
42	THERMALLY BROKEN ALUMINUM WINDOW FRAME
43	BRICK VENEER OVER CMU WALL. SEE FLOOR PLAN FOR TYPE



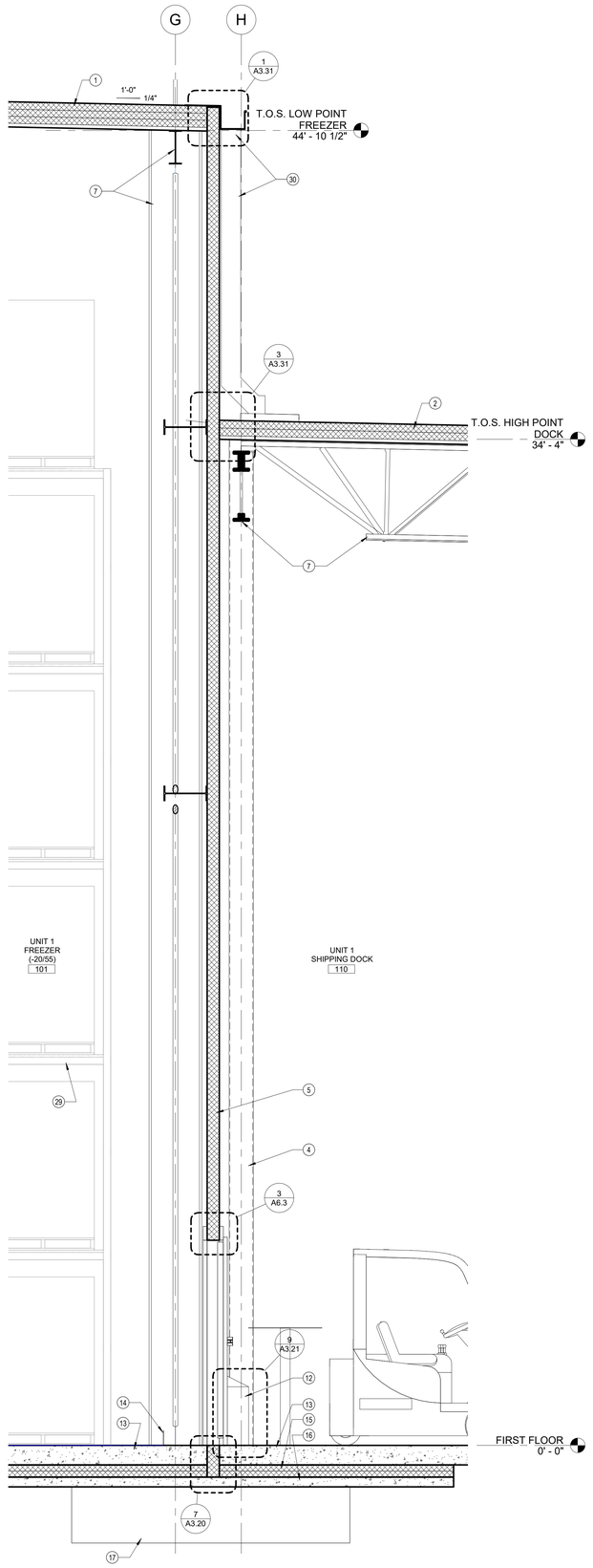
1 WALL SECTION
A3.11 1/2" = 1'-0"



2 WALL SECTION
A3.11 1/2" = 1'-0"



3 WALL SECTION
A3.11 1/2" = 1'-0"



4 WALL SECTION
A3.11 1/2" = 1'-0"

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title
WALL SECTIONS

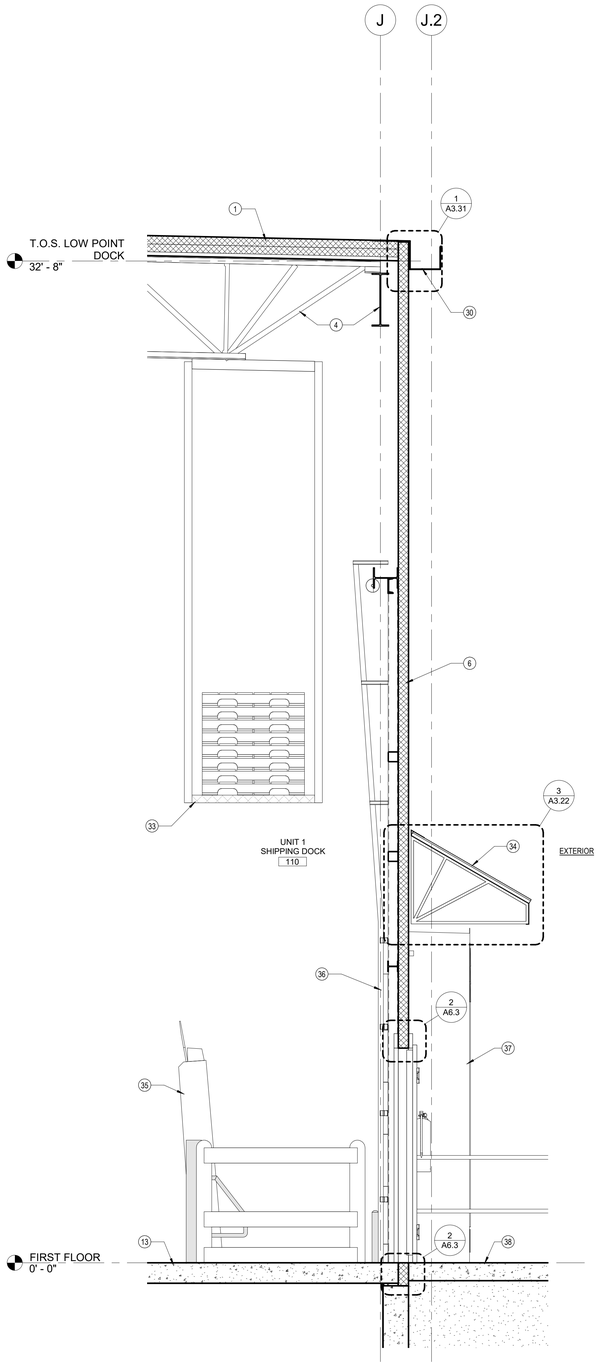
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KEYNOTES WALL SECTION

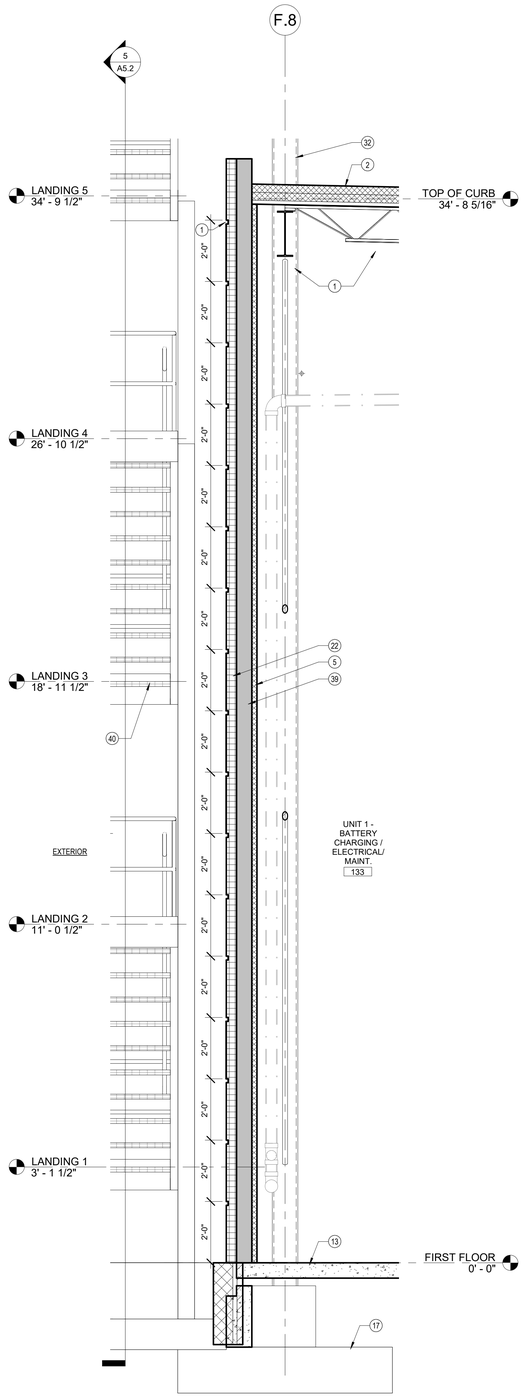
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5	INSULATED METAL WALL PANEL. SEE ENLARGED PLAN FOR WALL TYPE
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16	CONCRETE SUB SLAB MINIMUM 3" THICKNESS WITH HEATING SYSTEM
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KEYNOTES WALL SECTION

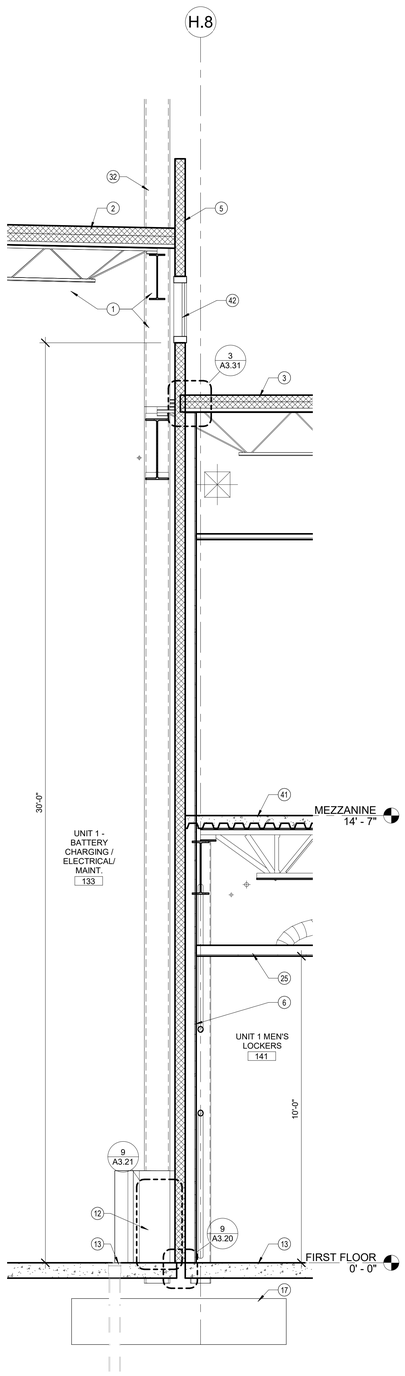
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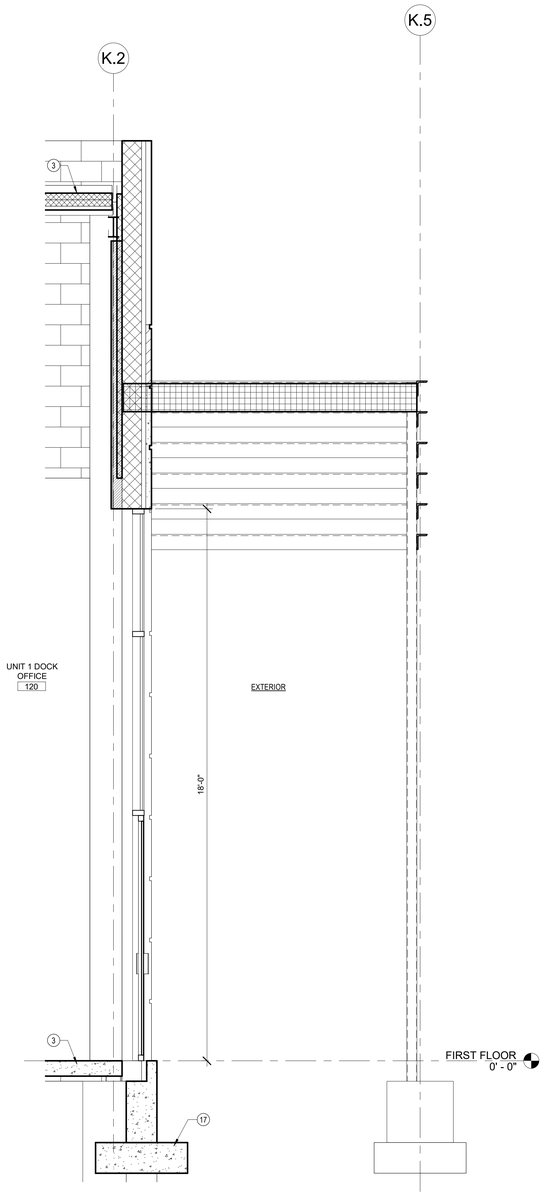
1 WALL SECTION
A3.12 1/2" = 1'-0"



2 WALL SECTION
A3.12 1/2" = 1'-0"



3 WALL SECTION
A3.12 1/2" = 1'-0"



4 WALL SECTION - UNIT 1 - OFFICE/EXTERIOR WALL SEPARATION
A3.12 1/2" = 1'-0"

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project no. 20-086

seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
WALL SECTIONS

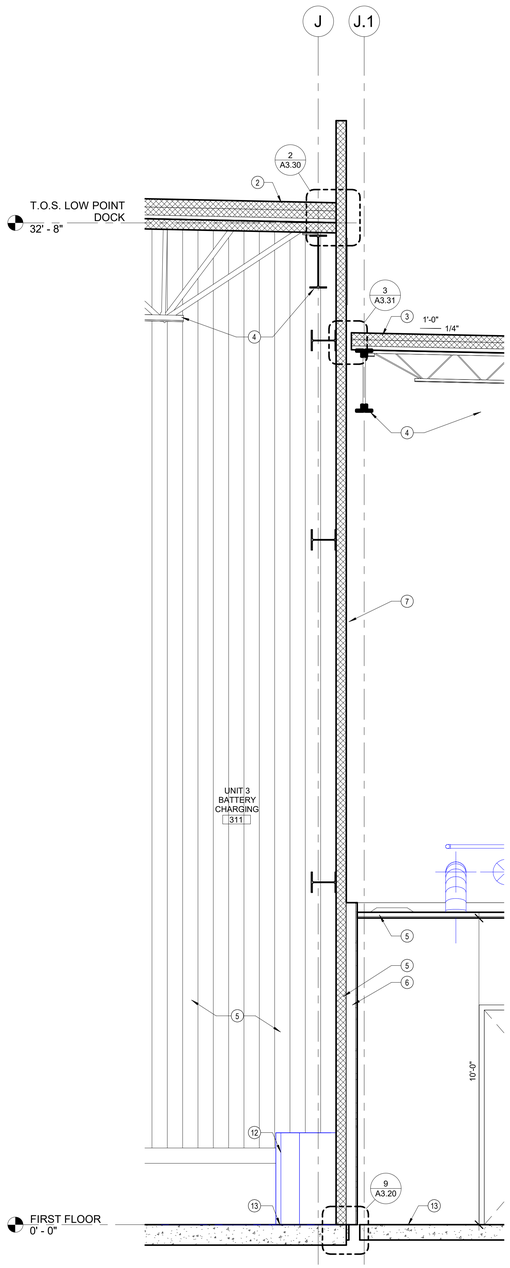
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A3.12

KEYNOTES WALL SECTION

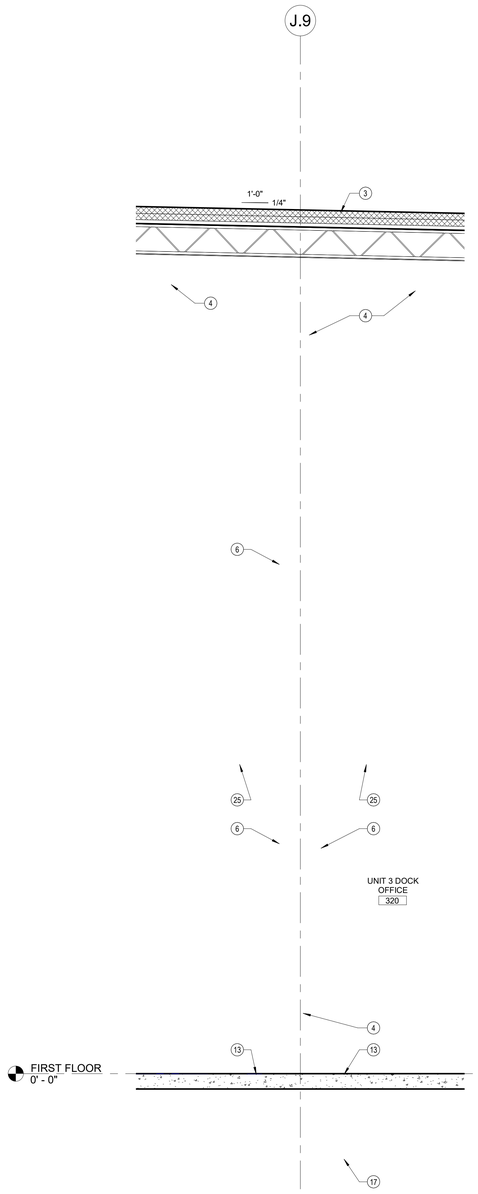
#	DESCRIPTION
1	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 8.7" (R-50.4) POLYISOCYANURATE ROOF INSULATION (3 LAYERS) ON 1 1/2" METAL ROOF DECK (FREEZER, CONVERTIBLE ROOMS AND PENTHOUSES).
2	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 6.2" (R-36) POLYISOCYANURATE ROOF INSULATION (2 LAYERS) ON 1 1/2" METAL ROOF DECK (TRUCK DOCK).
3	60 MIL. SINGLE-PLY MECHANICALLY ATTACHED, TPO ROOF MEMBRANE SYSTEM ON 5" (R-30.6) POLYISOCYANURATE ROOF INSULATION (2 LAYERS) ON 1 1/2" METAL ROOF DECK (DOCK OFFICES).
4	STRUCTURAL STEEL. SEE STRUCTURAL DRAWINGS
5	INSULATED METAL WALL PANEL. SEE ENLARGED PLAN FOR WALL TYPE
6	3-5/8" METAL STUD w/ 5/8" GYP. BD. ONE SIDE. SEE FLOOR PLAN FOR WALL TYPES.
7	2" PINNED INSULATION ON PERIMETER TILT-UP WALLS TO DECK.
11	4" INSULATED METAL WALL PANEL (FUTURE).
12	24" HIGH CONCRETE CURB. SEE FLOOR PLAN FOR TYPES
13	CONCRETE SLAB. SEE STRUCTURAL
14	3"X6"X1/4" STEEL ANGEL WALL PROTECTION. SEE STRUCTURAL.
15	2 LAYERS OF UNDER SLAB RIGID INSULATION WITH STAGGERED JOINTS AND 6MIL. POLY SLIP SHEET.
16	CONCRETE SUB SLAB MINIMUM 3" THICKNESS WITH HEATING SYSTEM
17	CONCRETE FOUNDATION SYSTEM. SEE STRUCTURAL

KEYNOTES WALL SECTION

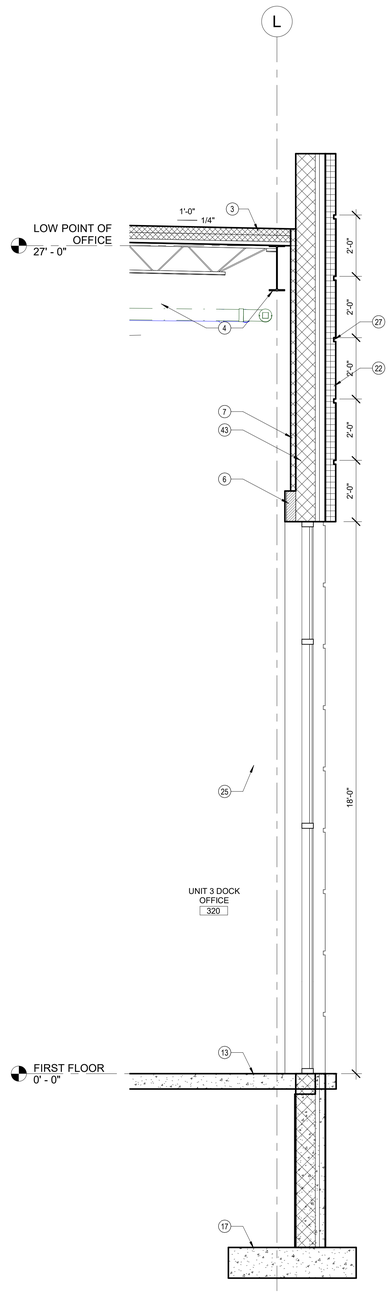
#	DESCRIPTION
19	DOOR AS SCHEDULE. SEE DOOR SCHEDULE
20	SECTIONAL DOOR. SEE DOOR SHCEDULE
22	METAL ARCHITECTURAL CF (2' X 8') HORIZONTAL WALL PANEL
23	STAIR. SEE ENLARGED PLAN
25	CEILING AS SCHEDULE. REFER TO REFLECTED CEILING PLAN FOR TYPES
27	WALL REVEAL
28	6" DIA. PIPE U-GUARD w/ 1/4" x 4" x 12" PLATE FOR MOTION SENSOR MOUNTED TO CENTER OF THE HORIZONTAL STEEL EACH SIDE OF OPENING.
29	RACKING SYSTEM. SEE FLOOR PLAN
30	PREF-FINISHED METAL GUTTER AND DOWNSPOUT S. SEE ROOF PLAN
31	48" INSULATED METAL CEILING PANEL. SEE DETAIL 6/A3.30
32	STEEL COLUMN SUPPORT AT REFRIGERATION UNIT PLATFORM. SEE STRUCTURAL
33	EMPTY PALLET STORAGE. SEE STRUCTURAL
34	PREFINISHED METAL CANOPY
35	VERTICAL STOREING DOCK LEVELER BEYOND. SEE PLAN FOR LOCATION
36	VERTICAL DOCK DOOR BEYOND
37	DOCK SHELTER
38	CONCRETE LANDING. SEE STRUCTURAL
39	6" METAL STUD
40	BAR GRANTING EXTERIOR STAIR. SEE ENLARGED PLAN
41	CONCRETE SLAB OVER 2" METAL DECK. SEE STRUCTURAL
42	THERMALLY BROKEN ALUMINUM WINDOW FRAME
43	BRICK VENEER OVER CMU WALL. SEE FLOOR PLAN FOR TYPE



1 WALL SECTION
A3.13 1/2" = 1'-0"



2 WALL SECTION
A3.13 1/2" = 1'-0"



3 WALL SECTION
A3.13 1/2" = 1'-0"

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date	description
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11/29/2022	60% PROGRESS ISSUE

drawing status

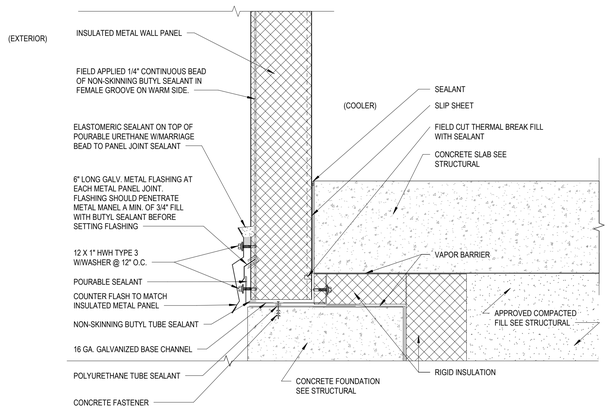
project no. 20-086

seal

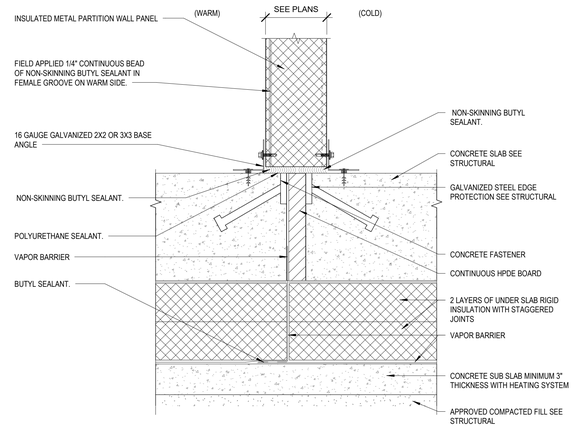
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
WALL SECTIONS

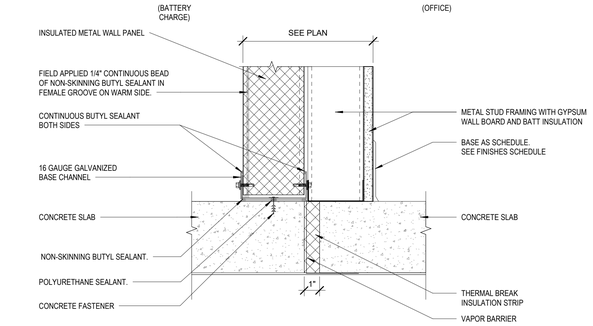
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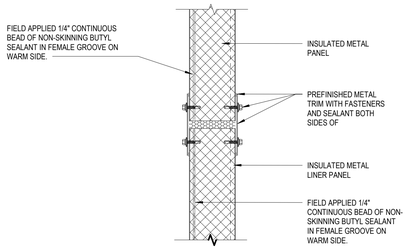
1 BASE OF WALL DOCK / EXTERIOR
A3.20 3" = 1'-0"



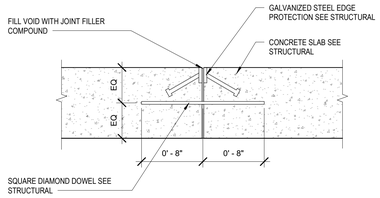
5 BASE OF PARTITION WALL (SUBDIVIDED) COOLER/FREEZER
A3.20 3" = 1'-0"



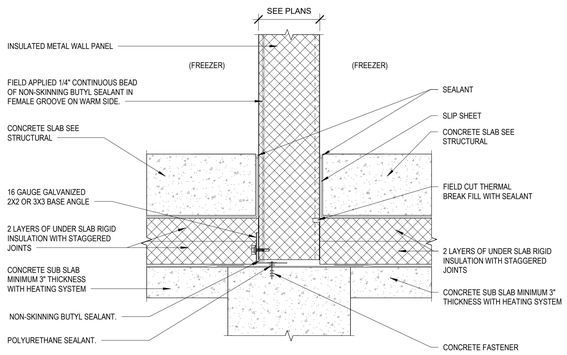
9 BASE OF WALL WITH CHANNEL AT B.C. / OFFICE
A3.20 3" = 1'-0"



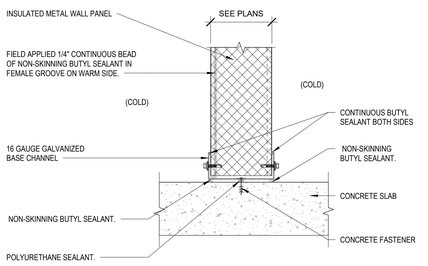
2 IMP PLUG PANEL
A3.20 3" = 1'-0"



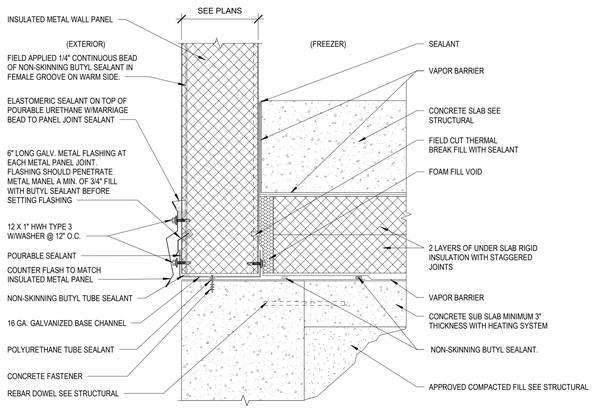
6 CONCRETE SLAB ARMOR JOINT
A3.20 1 1/2" = 1'-0"



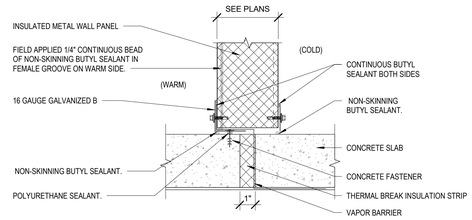
3 BASE OF WALL FREEZER/FREEZER
A3.20 3" = 1'-0"



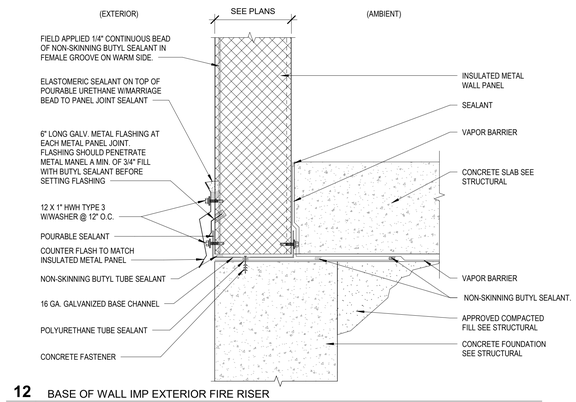
4 BASE OF WALL WITH CHANNEL
A3.20 3" = 1'-0"



8 BASE OF WALL IMP EXTERIOR FREEZER
A3.20 3" = 1'-0"



11 THERMAL SLAB BREAK DETAIL
A3.20 3" = 1'-0"



12 BASE OF WALL IMP EXTERIOR FIRE RISER
A3.20 3" = 1'-0"

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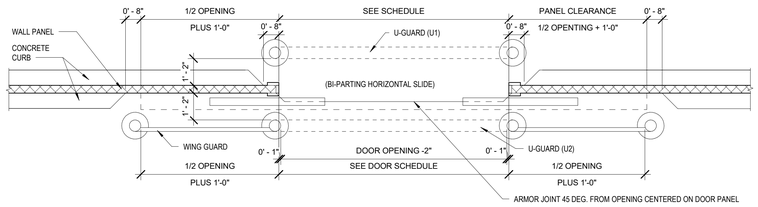
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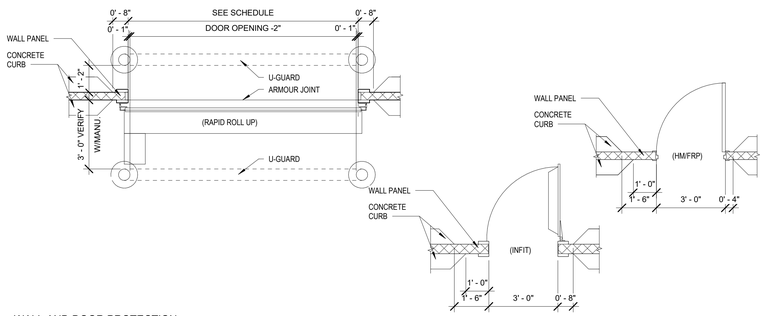
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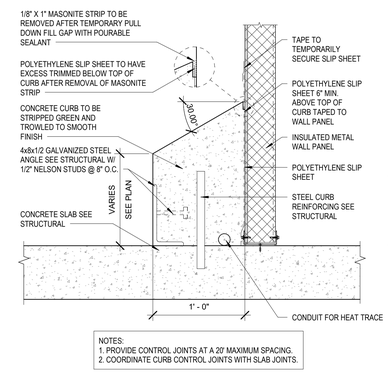
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BUILDING DETAILS

sheet
A3.20

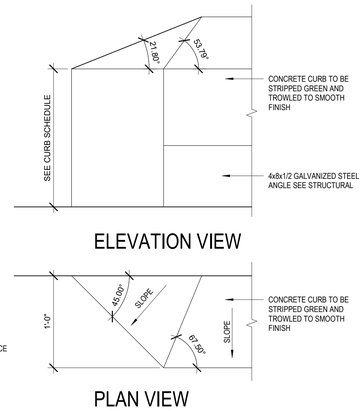




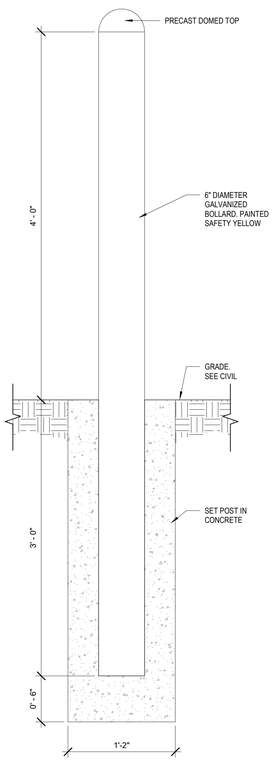
4 WALL AND DOOR PROTECTION
A3.21 3/8" = 1'-0"



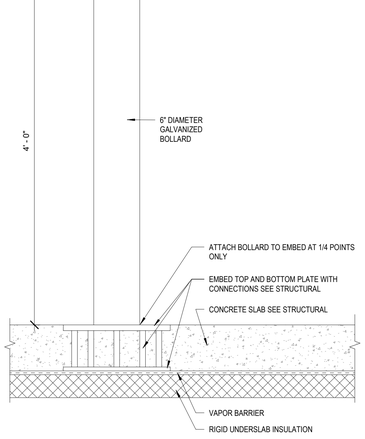
NOTES:
1. PROVIDE CONTROL JOINTS AT A 20' MAXIMUM SPACING.
2. COORDINATE CURB CONTROL JOINTS WITH SLAB JOINTS.



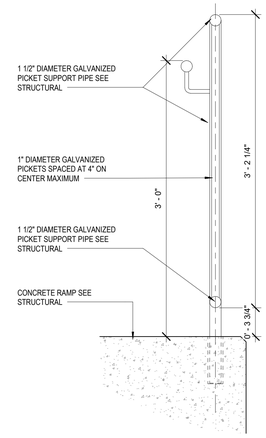
9 CONCRETE CURB
A3.21 1 1/2" = 1'-0"



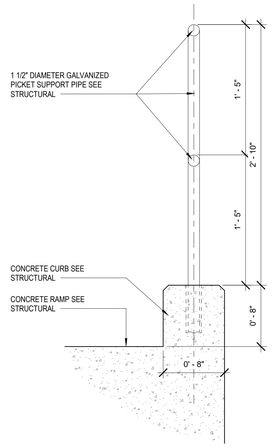
2 BOLLARD TYPE 'B1' DETAIL
A3.21 1 1/2" = 1'-0"



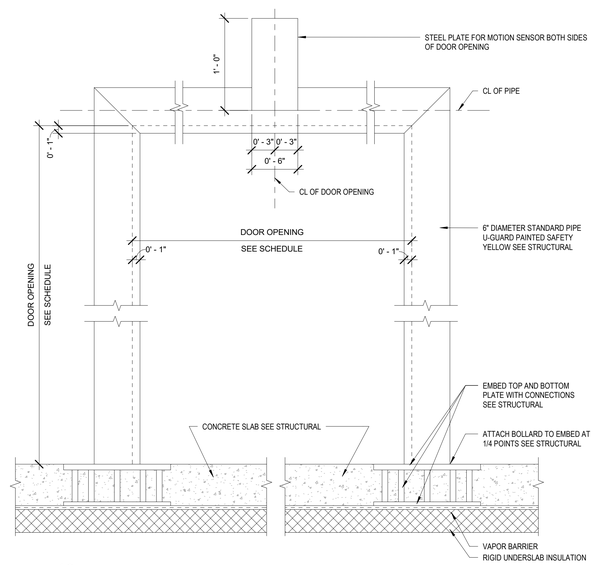
5 BOLLARD TYPE 'B2' DETAIL
A3.21 1 1/2" = 1'-0"



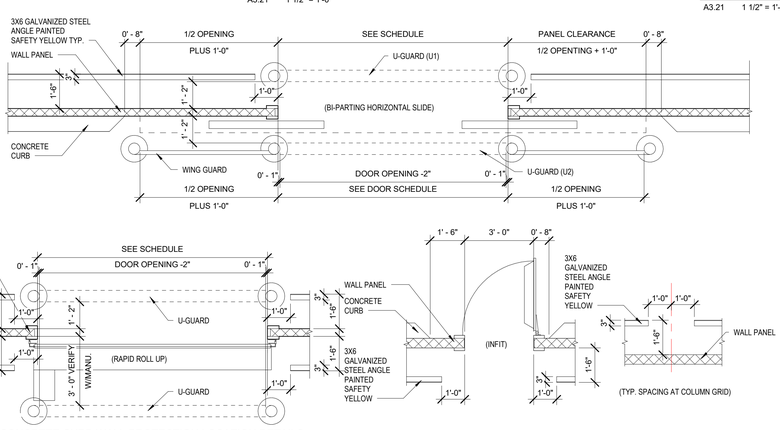
6 PEDESTRIAN RAMP EDGE
A3.21 1 1/2" = 1'-0"



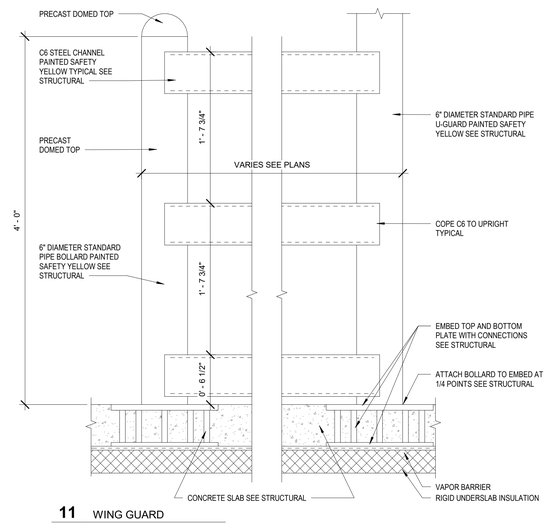
7 SHIPPING DOCK RAMP EDGE
A3.21 1 1/2" = 1'-0"



10 U-GUARD
A3.21 1 1/2" = 1'-0"



3 STEEL ANGLE/CONCRETE CURB WALL PROTECTION LOCATION DETAILS
A3.21 3/8" = 1'-0"



11 WING GUARD
A3.21 1 1/2" = 1'-0"

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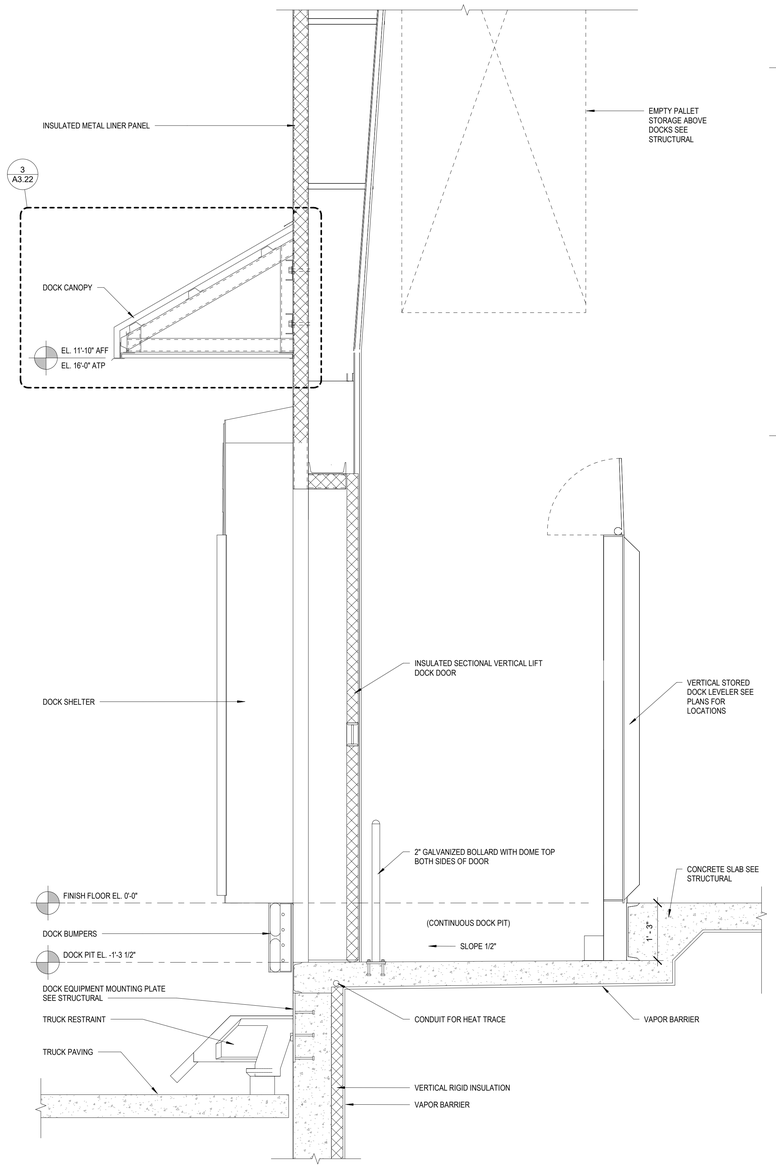
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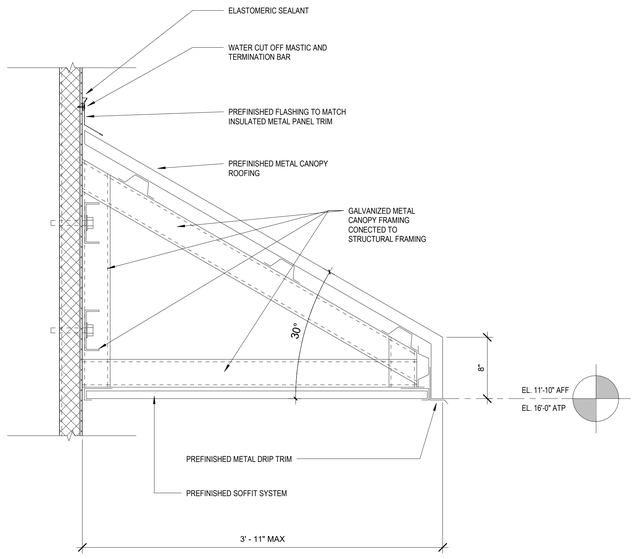
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
BUILDING DETAILS

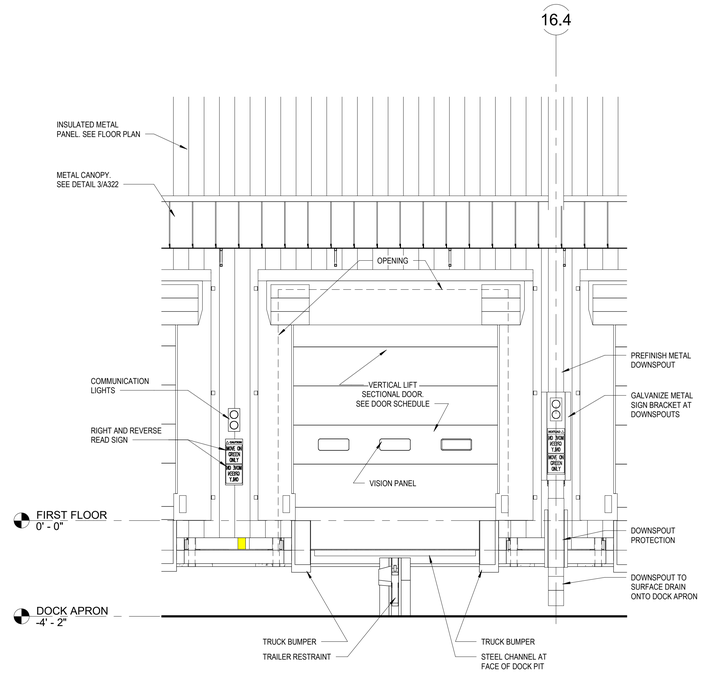
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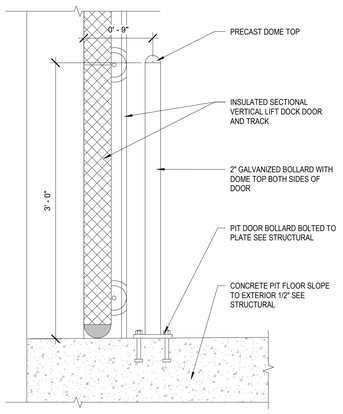
1 DOCK DETAIL
A3.22 3/4" = 1'-0"

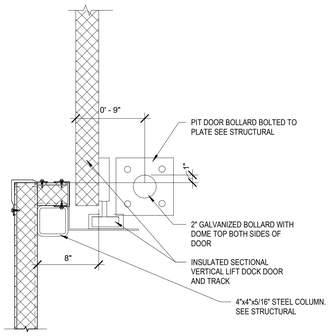


3 DOCK CANOPY - ON IMP WALL
A3.22 1 1/2" = 1'-0"

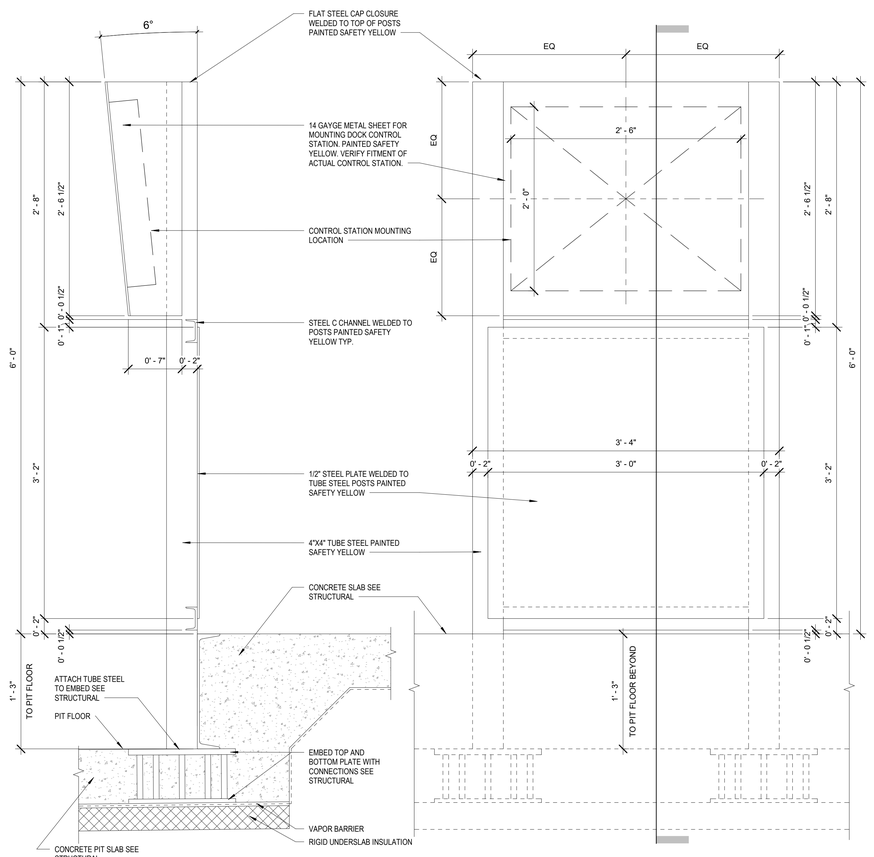


5 ENLARGED DOCK DOOR ELEVATION
A3.22 3/8" = 1'-0"

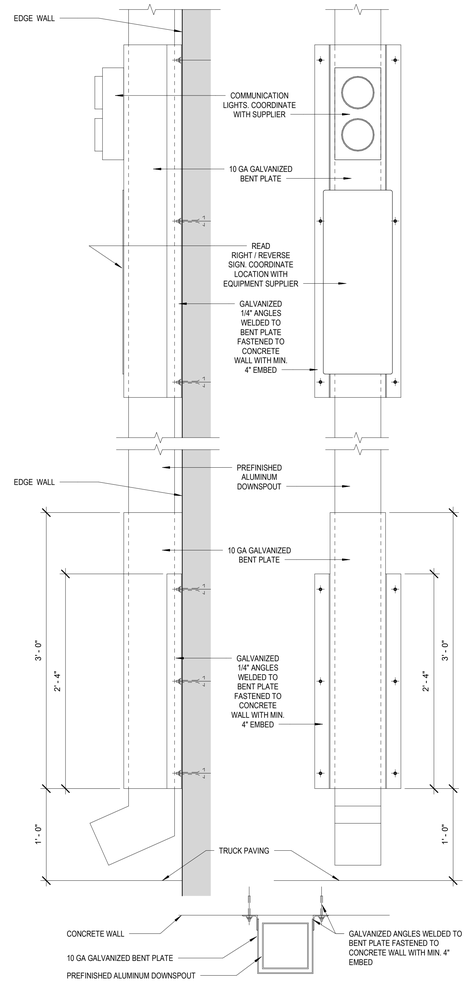




7 DOCK PIT DOOR BOLLARD - ON IMP WALL
A3.22 1 1/2" = 1'-0"



4 DOCK CONTROL STAND
A3.22 1 1/2" = 1'-0"



6 DOCK DOWNSPOUT GUARD
A3.22 1 1/2" = 1'-0"

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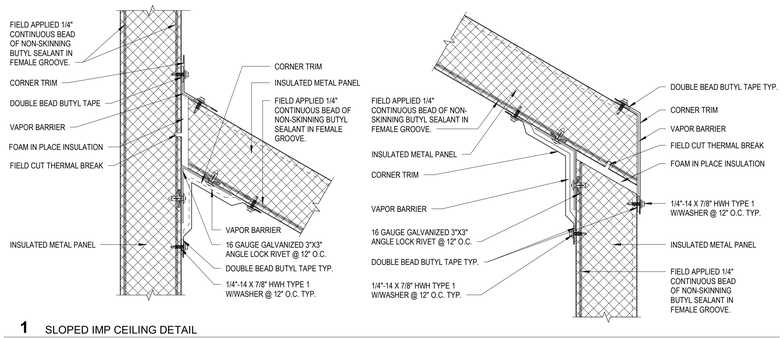
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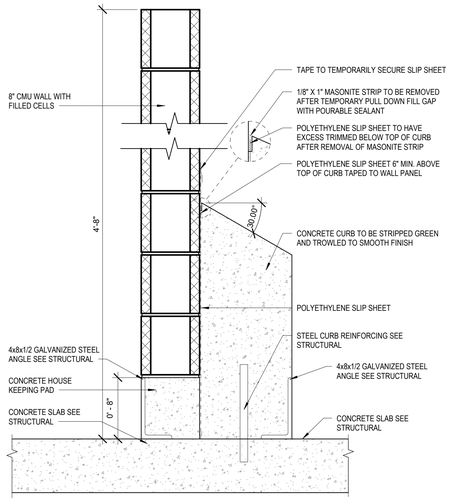
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title
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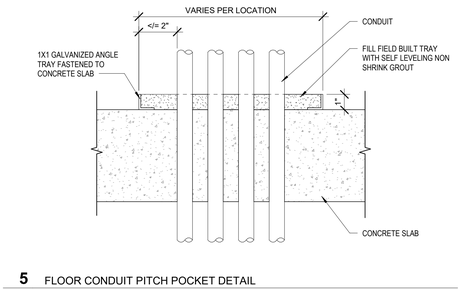
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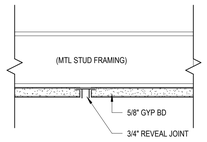
1 SLOPED IMP CEILING DETAIL
A3.23 3" = 1'-0"



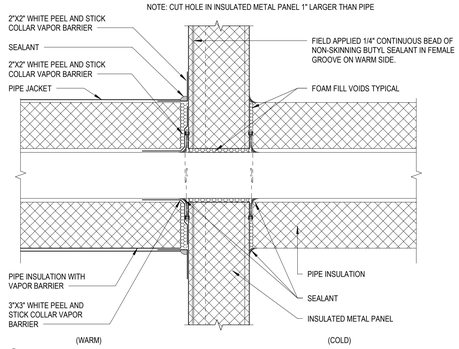
2 FILLER DUMP WALL DETAIL
A3.23 1 1/2" = 1'-0"



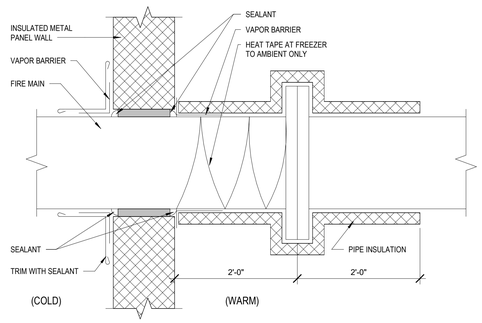
5 FLOOR CONDUIT PITCH POCKET DETAIL
A3.23 3" = 1'-0"



6 INTERIOR GYPSUM BOARD CONTROL JOINT
A3.23 3" = 1'-0"

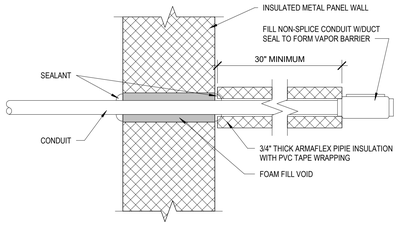


3 WALL PENETRATION PIPE
A3.23 3" = 1'-0"



7 FIRE PIPING WALL PENETRATION DETAIL
A3.23 1" = 1'-0"

NOTES:
1. SEALANT SHALL MAINTAIN VAPOR BARRIER CONTINUITY OF INSULATED METAL PANEL.
2. CONDUIT SHALL BE PROPERLY SUPPORTED ON BOTH SIDES OF WALL.
3. FILL ALL VOIDS WITH APPROVED SEALANT.



4 CONDUIT WALL PENETRATION DETAIL
A3.23 1" = 1'-0"

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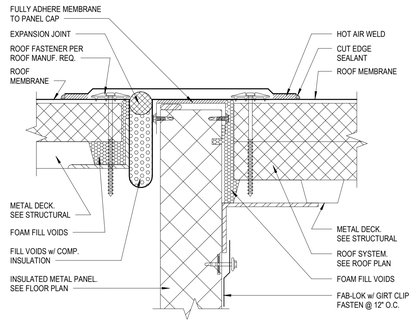
project no. 20-086

seal

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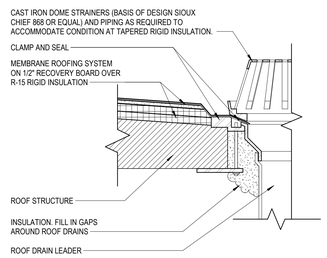
title
BUILDING DETAILS

sheet
A3.23



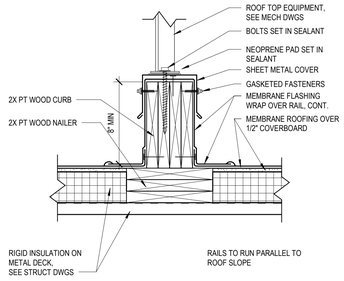
1 ROOF EXPANSION JOINT AT PARTITION WALL1

A3.30 3" = 1'-0"



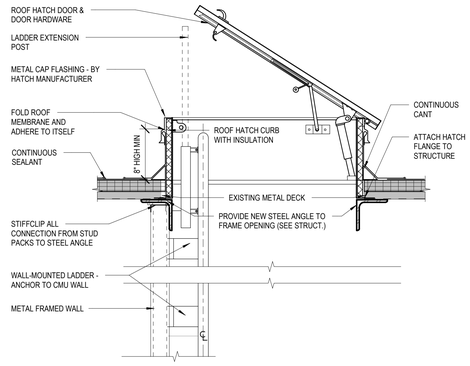
4 INTERNAL ROOF DRAIN DETAIL

A3.30 1 1/2" = 1'-0"



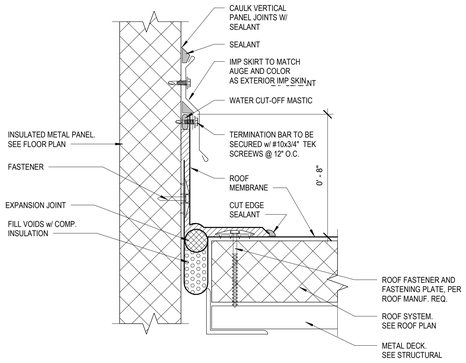
7 EQUIPMENT RAIL DETAIL

A3.30 1 1/2" = 1'-0"



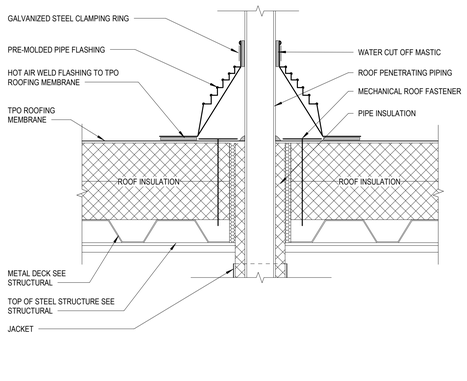
9 ROOF HATCH DETAIL

A3.30 1" = 1'-0"



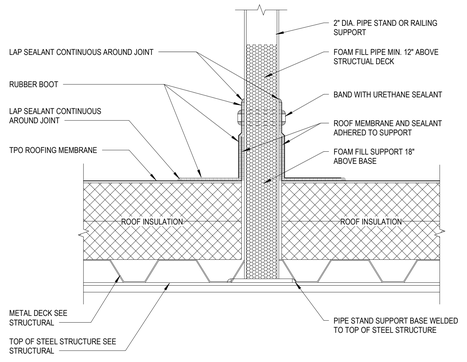
2 ROOF EXPANSION JOINT AT HIGH IMP WALL

A3.30 3" = 1'-0"



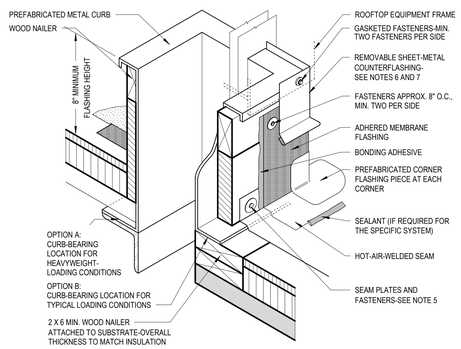
5 ROOF PIPE PENETRATION

A3.30 3" = 1'-0"



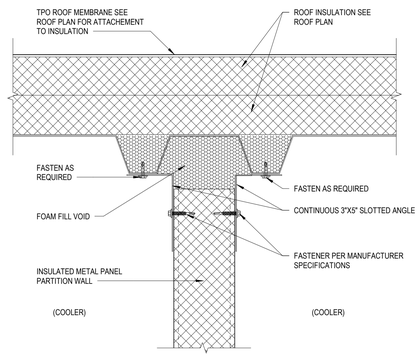
8 ROOF PIPE STAND

A3.30 3" = 1'-0"



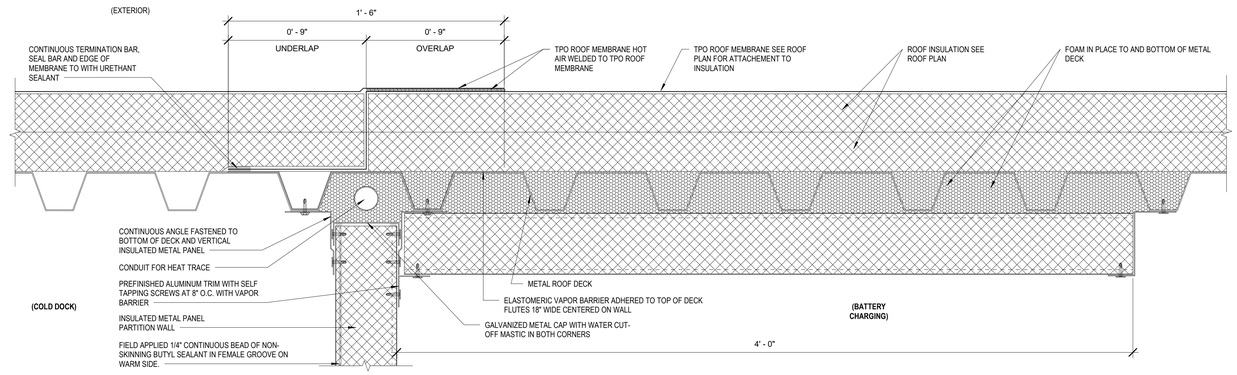
10 TYPICAL ROOF CURB

A3.30 1" = 1'-0"



3 TOP OF WALL DETAIL

A3.30 3" = 1'-0"



6 TOP OF PARTITION WALL COOLER/BATTERY CHARGING

A3.30 3" = 1'-0"

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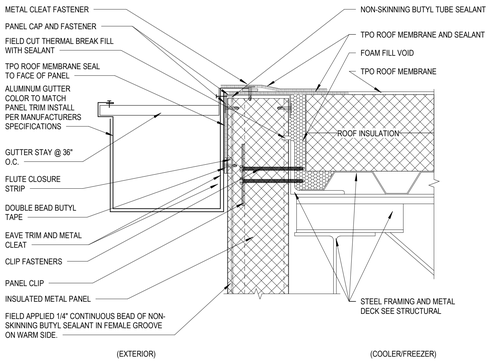
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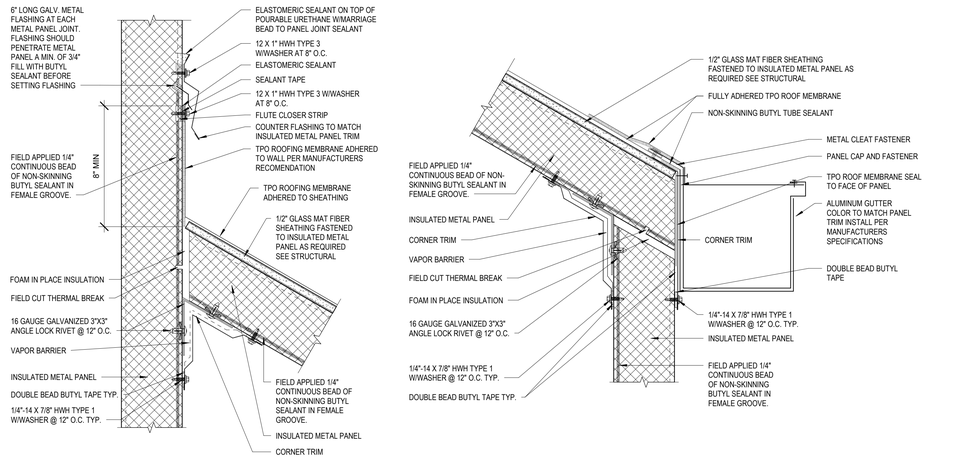
title
ROOF DETAILS

sheet
A3.30



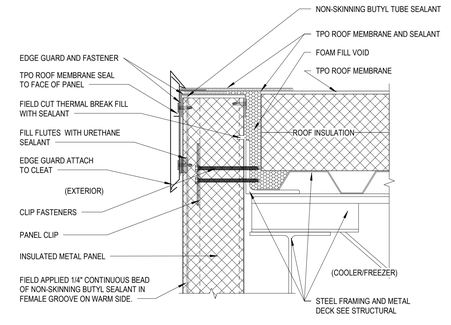
1 ROOF EDGE GUTTER IMP EXTERIOR COOLER/FREEZER

A3.31 3" = 1'-0"



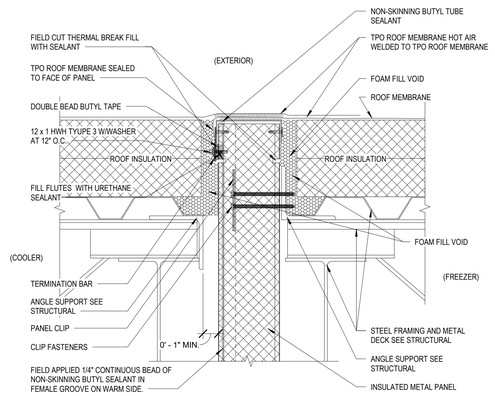
8 SLOPED IMP ROOFING DETAIL

A3.31 3" = 1'-0"



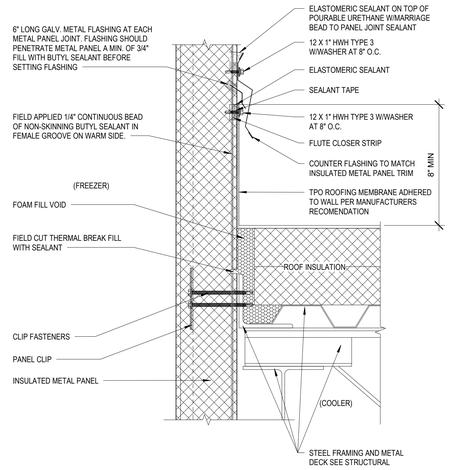
2 ROOF EDGE IMP EXTERIOR COOLER/FREEZER

A3.31 3" = 1'-0"



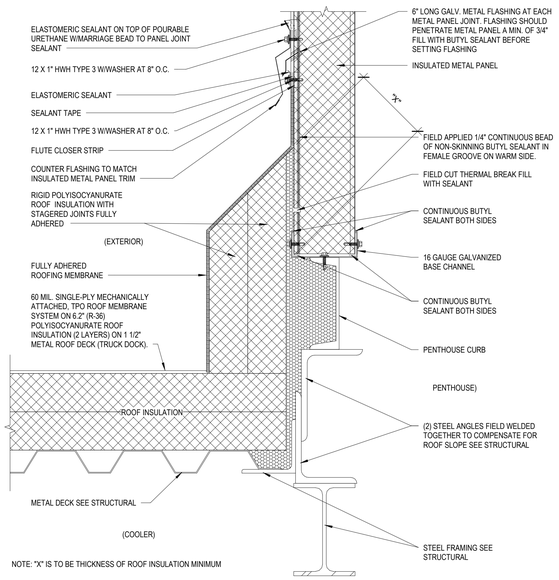
5 TOP OF WALL SPLIT DECK FREEZER/COOLER

A3.31 3" = 1'-0"



3 ROOF EDGE LOW ROOF HIGH IMP WALL

A3.31 3" = 1'-0"



NOTE: "X" IS TO BE THICKNESS OF ROOF INSULATION MINIMUM

6 ROOF PENTHOUSE BASE

A3.31 3" = 1'-0"

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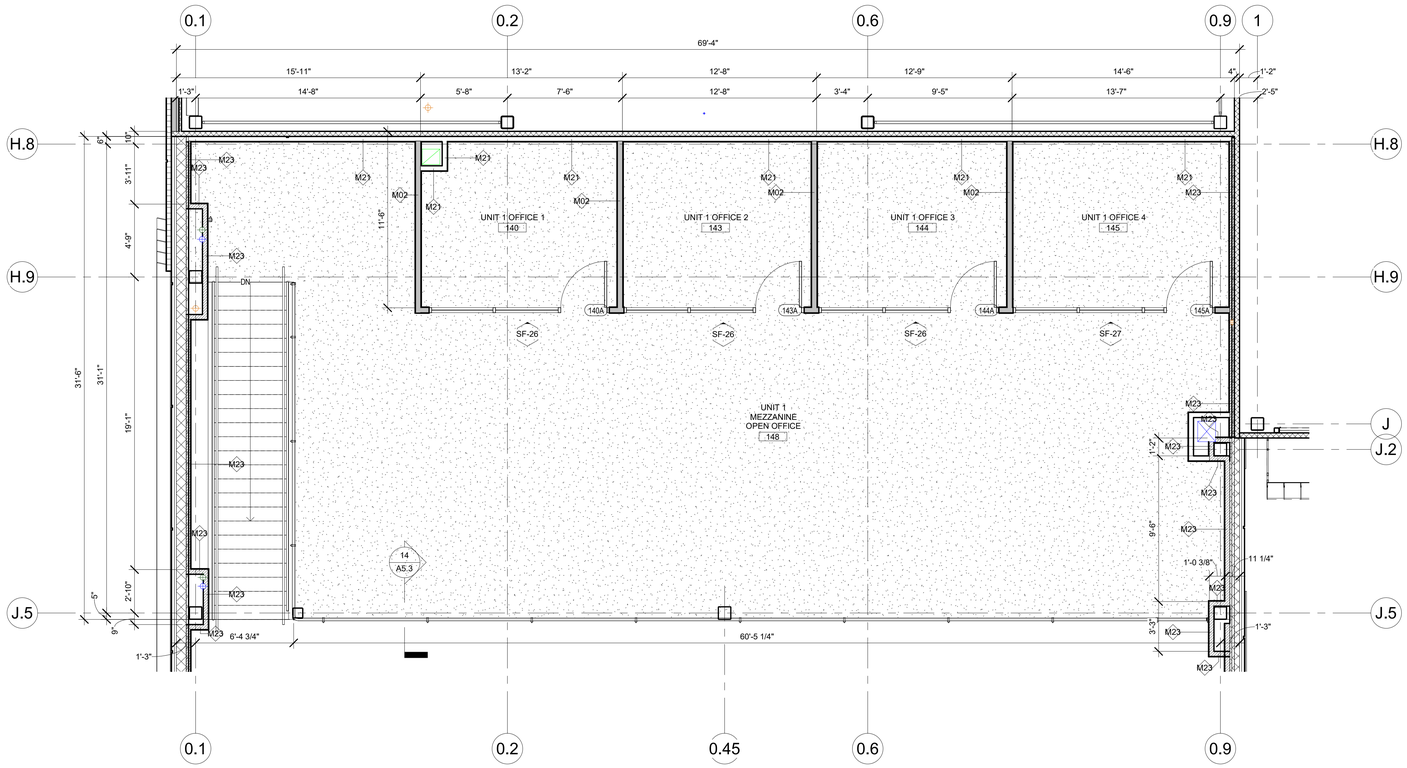
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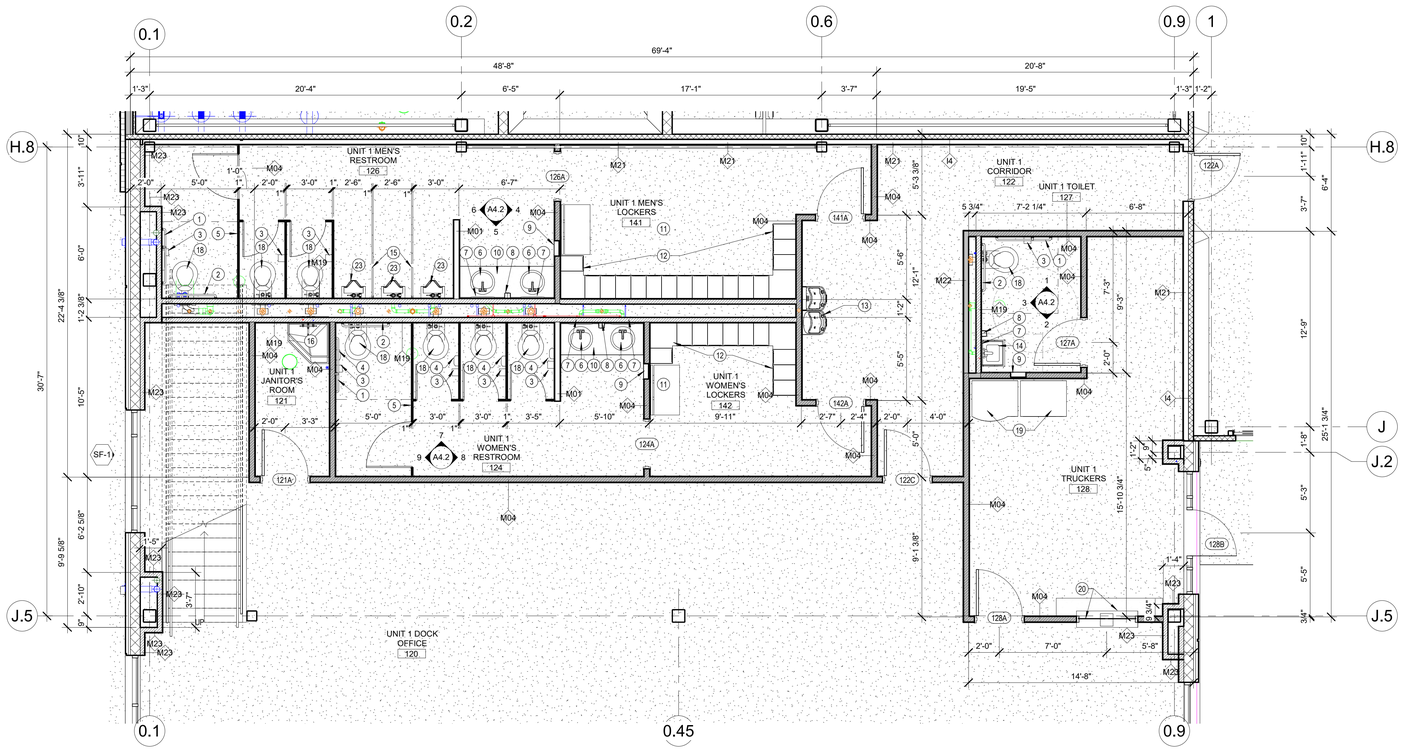
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title
ROOF DETAILS

sheet
A3.31



1 UNIT 1 - OFFICE MEZZANINE PLAN
A4.1 1/4" = 1'-0"



PROJECT NORTH
TRUE NORTH

2 UNIT 1 OFFICE SUITES - RESTROOMS/LOCKERS ENLARGED PLAN
A4.1 1/4" = 1'-0"

TOILET ACCESSORY LEGEND

#	DESCRIPTION
1	1-1/2" STAINLESS STEEL GRAB BAR 42" HORIZONTAL AND 18" VERTICAL
2	1-1/2" STAINLESS STEEL GRAB BAR 36" HORIZONTAL
3	SURFACE MOUNTED DOUBLE ROLL TOILET PAPER DISPENSER
4	SURFACE MOUNTED FEMININE PRODUCT DISPOSAL
5	SOLID PLASTIC FLOOR MOUNTED TOILET PARTITIONS w/ OVERHEAD BRACE PARTITIONS
6	VANITY SINK
7	18" x 36" MIRROR WALL MOUNTED. FURNISHED AND INSTALLED BY CONTRACTOR
8	STAINLESS STEEL SOAP DISPENSER. FURNISHED AND INSTALLED BY CONTRACTOR
9	STAINLESS STEEL RECESSED TOWEL DISPENSER/WASTE RECEPTACLE. FURNISHED AND INSTALLED BY CONTRACTOR.
10	ADA COUNTERTOP WITH SKIRT PROTECTION
11	ADA LOCKER ROOM BENCH
12	FULL HEIGHT LOCKERS BAKED ON ENAMEL FINISH w/ DIAMOND PERFORATED DOORS AND SLOPED TOPS OVER 6" CONCRETE HOUSEKEEPING PAD FOR BASE.
13	ACCESSIBLE DRINKING FOUNTAIN.
14	WALL HUNG LAVATORY. FURNISHED AND INSTALLED BY CONTRACTOR.
15	SOLID PLASTIC WALL MOUNT URINAL SCREENS.
16	MOP SINK
18	WALL MOUNTED TOILET
19	VENDING MACHINE. BY OTHERS.
20	36" x 36" HEAVY DUTY, FRAMED LAMINATED CLEAR GLASS SINGLE PANE UNIT PASS THRU WINDOW w/ 48 x 18" SHELF WITH SOLID SURFACE ON ONE SIDE.
21	6" RUBBER VINYL BASE
22	4" x 4" CERAMIC WALL TILE WAINSCOT AT 4'-0" FROM FINISH FLOOR.
23	WALL MOUNTED URINAL
24	SURFACE MOUNTED BOBRICK SEAT COVER DISPENSER

ROOM FINISH SCHEDULE - TENANT #1

ROOM #	ROOM NAME	FLOOR			NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		REMARKS
		FLOOR MATERIAL	FLOOR FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
120	UNIT 1 DOCK OFFICE	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ES	-	
121	UNIT 1 JANITOR'S ROOM	CONC.	SC	RUBBER	GWB / MR	P	GWB / MR	P	GWB	P	GWB	P	ES	-	
122	UNIT 1 CORRIDOR	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ACT	-	
123	UNIT 1 WOMEN'S LOCKERS	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	
124	UNIT 1 WOMEN'S RESTROOM	CONC.	SC	RUBBER	GWB	P	GWB / MR	P	GWB	P	GWB	P	GWB	P	
125	UNIT 1 MEN'S LOCKERS	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	
126	UNIT 1 MEN'S RESTROOM	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB / MR	P	GWB	P	
127	UNIT 1 TOILET	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB / MR	P	GWB	P	
128	UNIT 1 TRUCKERS	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ACT	-	
140	UNIT 1 OFFICE 1	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ES	-	
143	UNIT 1 OFFICE 2	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ES	-	
144	UNIT 1 OFFICE 3	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ES	-	
145	UNIT 1 OFFICE 4	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ES	-	
148	UNIT 1 MEZZANINE OPEN OFFICE	CONC.	SC	RUBBER	GWB	P	GWB	P	-	-	GWB	P	ES	-	

MATERIAL ABBREVIATION

ACT	ACOUSTICAL CEILING TILE	ES	EXPOSED STRUCTURE	P	PAINT
ALUM.	ALUMINUM	EXIST	EXISTING	PC	POLISHED CONCRETE
BG	STEEL BAR GRATING	GALV	GALVANIZED	RD	RESIN DEK
CMU	CONCRETE MASONRY UNIT	GWB	GYPSUM WALL BOARD	SC	SEALED CONCRETE
CONC	CONCRETE	IMP	INSULATED METAL PANEL	STL	STEEL
E	EPOXY	MTL	METAL	VACT	VINYL COATED ACOUSTICAL CEILING TILE
EP	EPOXY PAINT	MR	MOISTURE RESISTANT	VCT	VINYL COMPOSITION TILE

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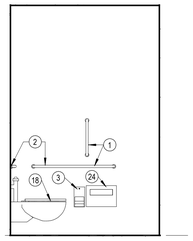
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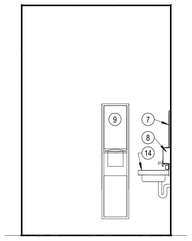
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ENLARGED PLANS, ELEVATIONS, & DETAILS

sheet
A4.1



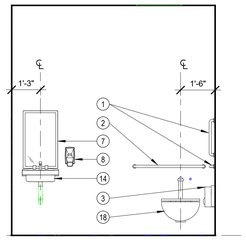
FIRST FLOOR
0' - 0"

1 TOILET RM - INTERIOR ELEVATION NORTH
A4.2 3/8" = 1'-0"



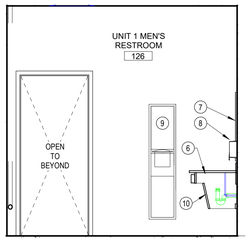
FIRST FLOOR
0' - 0"

2 TOILET RM - INTERIOR ELEVATION SOUTH
A4.2 3/8" = 1'-0"



FIRST FLOOR
0' - 0"

3 TOILET RM - INTERIOR ELEVATION WEST
A4.2 3/8" = 1'-0"



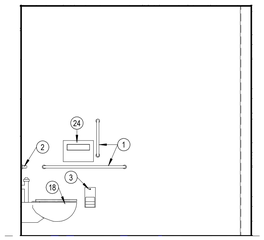
FIRST FLOOR
0' - 0"

4 MEN'S RR - INTERIOR ELEVATION EAST
A4.2 3/8" = 1'-0"



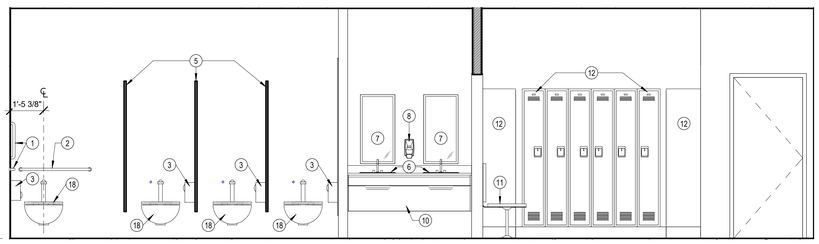
FIRST FLOOR
0' - 0"

5 MEN'S RR - INTERIOR ELEVATION SOUTH
A4.2 3/8" = 1'-0"



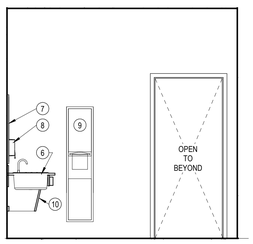
FIRST FLOOR
0' - 0"

6 MEN'S RR - INTERIOR ELEVATION WEST
A4.2 3/8" = 1'-0"



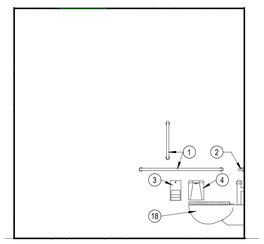
FIRST FLOOR
0' - 0"

7 WOMEN'S RR - INTERIOR ELEVATION NORTH
A4.2 3/8" = 1'-0"



FIRST FLOOR
0' - 0"

8 WOMEN'S RR - INTERIOR ELEVATION EAST
A4.2 3/8" = 1'-0"



FIRST FLOOR
0' - 0"

9 WOMEN'S RR - INTERIOR ELEVATION WEST
A4.2 3/8" = 1'-0"

TOILET ACCESSORY LEGEND

#	DESCRIPTION
1	1-1/2" STAINLESS STEEL GRAB BAR 42" HORIZONTAL AND 18" VERTICAL
2	1-1/2" STAINLESS STEEL GRAB BAR 36" HORIZONTAL
3	SURFACE MOUNTED DOUBLE ROLL TOILET PAPER DISPENSER
4	SURFACE MOUNTED FEMININE PRODUCT DISPOSAL
5	SOLID PLASTIC FLOOR MOUNTED TOILET PARTITIONS w/ OVERHEAD BRACE PARTITIONS
6	VANITY SINK
7	18" x 36" MIRROR WALL MOUNTED. FURNISHED AND INSTALLED BY CONTRACTOR
8	STAINLESS STEEL SOAP DISPENSER. FURNISHED AND INSTALLED BY CONTRACTOR
9	STAINLESS STEEL RECESSED TOWEL DISPENSER/WASTE RECEPTACLE. FURNISHED AND INSTALLED BY CONTRACTOR.
10	ADA COUNTERTOP WITH SKIRT PROTECTION
11	ADA LOCKER ROOM BENCH
12	FULL HEIGHT LOCKERS BAKED ON ENAMEL FINISH w/ DIAMOND PERFORATED DOORS AND SLOPED TOPS OVER 6" CONCRETE HOUSEKEEPING PAD FOR BASE.
13	ACCESSIBLE DRINKING FOUNTAIN.
14	WALL HUNG LAVATORY. FURNISHED AND INSTALLED BY CONTRACTOR.
15	SOLID PLASTIC WALL MOUNT URINAL SCREENS.
16	MOP SINK
18	WALL MOUNTED TOILET
19	VENDING MACHINE. BY OTHERS.
20	36" x 36" HEAVY DUTY, FRAMED LAMINATED CLEAR GLASS SINGLE PANE UNIT PASS THRU WINDOW w/ 48 x 18" SHELF WITH SOLID SURFACE ON ONE SIDE.
21	6" RUBBER VINYL BASE
22	4" x 4" CERAMIC WALL TILE WAINSCOT AT 4'-0" FROM FINISH FLOOR.
23	WALL MOUNTED URINAL
24	SURFACE MOUNTED BOBRICK SEAT COVER DISPENSER

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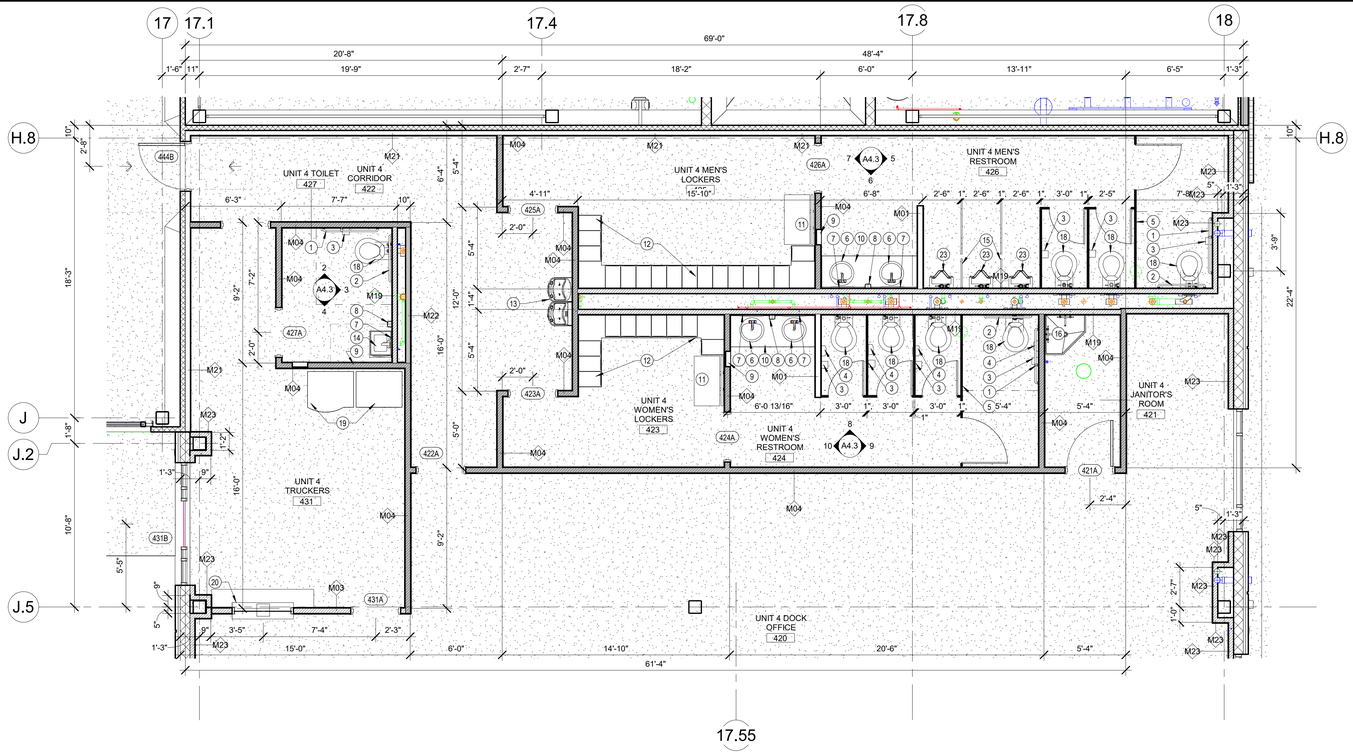
project no. 20-086

seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
ENLARGED PLANS, ELEVATIONS, & DETAILS

sheet
A4.2



PROJECT NORTH
TRUE NORTH

1 UNIT 4 OFFICE SUITE - RESTROOMS/LOCKERS ENLARGED PLAN
A4.3 1/4" = 1'-0"

TOILET ACCESSORY LEGEND

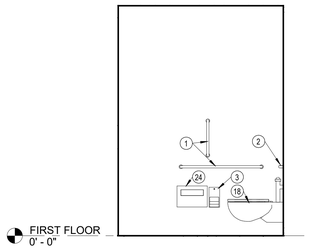
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ROOM FINISH SCHEDULE - TENANT #2 & #3

ROOM #	ROOM NAME	FLOOR			NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		REMARKS
		FLOOR MATERIAL	FLOOR FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
220	UNIT 2 DOCK OFFICE	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ES	-	
221	UNIT 2 JANITOR'S ROOM	CONC.	SC	RUBBER	GWB / MR	P	GWB	P	GWB	P	GWB	P	ES	-	
223	UNIT 2 WOMEN'S LOCKERS	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	
224	UNIT 2 WOMEN'S RESTROOM	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB / MR	P	GWB	P	
225	UNIT 2 MEN'S LOCKERS	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	
226	UNIT 2 MEN'S RESTROOM	CONC.	SC	RUBBER	GWB	P	GWB / MR	P	GWB	P	GWB	P	GWB	P	
227	UNIT 2 TOILET	CONC.	SC	RUBBER	GWB / MR	P	GWB / MR	P	GWB	P	GWB	P	GWB	P	
228	UNIT 2 TRUCKERS	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ACT	-	
229	UNIT 2 CORRIDOR	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ACT	-	
320	UNIT 3 DOCK OFFICE	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ES	-	
321	UNIT 3 JANITOR'S ROOM	CONC.	SC	RUBBER	GWB / MR	P	GWB / MR	P	GWB	P	GWB	P	ES	-	
322	UNIT 3 CORRIDOR	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ACT	-	
323	UNIT 3 WOMEN'S LOCKERS	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	
324	UNIT 3 WOMEN'S RESTROOM	CONC.	SC	RUBBER	GWB	P	GWB / MR	P	GWB	P	GWB	P	GWB	P	
325	UNIT 3 MEN'S LOCKERS	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	
326	UNIT 3 MEN'S RESTROOM	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB / MR	P	GWB	P	
327	UNIT 3 TOILET	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB / MR	P	GWB	P	
328	UNIT 3 TRUCKER'S ROOM	CONC.	SC	RUBBER	GWB	P	GWB	P	GWB	P	GWB	P	ACT	-	

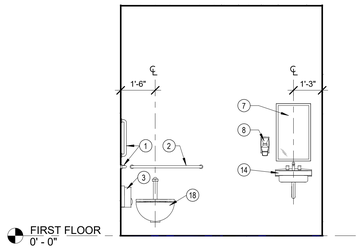
MATERIAL ABBREVIATION

ACT	ACOUSTICAL CEILING TILE	ES	EXPOSED STRUCTURE	P	PAINT
ALUM.	ALUMINUM	EXIST	EXISTING	PC	POLISHED CONCRETE
BG	STEEL BAR GRATING	GALV	GALVANIZED	RD	RESIN DEK
CMU	CONCRETE MASONRY UNIT	GWB	GYPSUM WALL BOARD	SC	SEALED CONCRETE
CONC	CONCRETE	IMP	INSULATED METAL PANEL	STL	STEEL
E	EPOXY	MTL	METAL	VACT	VINYL COATED ACOUSTICAL CEILING TILE
EP	EPOXY PAINT	MR	MOISTURE RESISTANT	VCT	VINYL COMPOSITION TILE



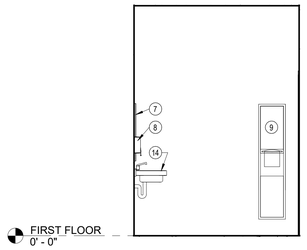
FIRST FLOOR 0' - 0"

2 TOILET RM - INTERIOR ELEVATION NORTH
A4.3 3/8" = 1'-0"



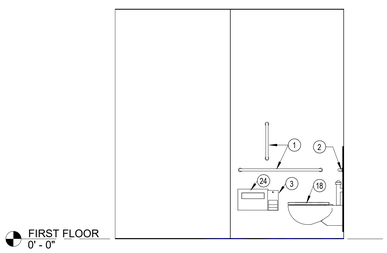
FIRST FLOOR 0' - 0"

3 TOILET RM - INTERIOR ELEVATION EAST
A4.3 3/8" = 1'-0"



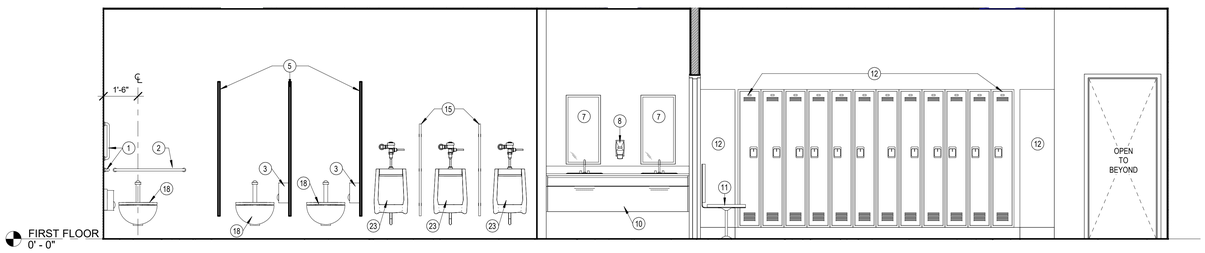
FIRST FLOOR 0' - 0"

4 TOILET RM - INTERIOR ELEVATION SOUTH
A4.3 3/8" = 1'-0"



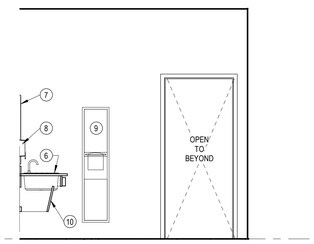
FIRST FLOOR 0' - 0"

5 MEN'S RR - INTERIOR ELEVATION EAST
A4.3 3/8" = 1'-0"



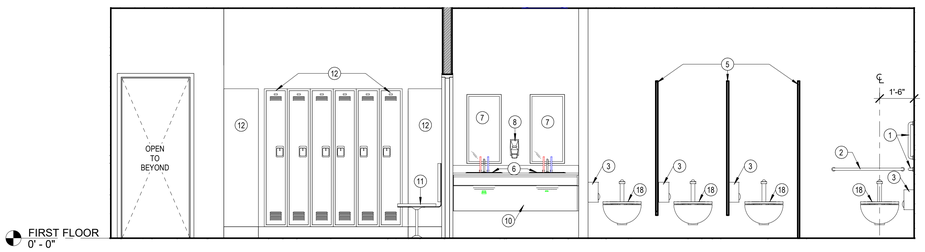
FIRST FLOOR 0' - 0"

6 MEN'S RR - INTERIOR ELEVATION SOUTH
A4.3 3/8" = 1'-0"



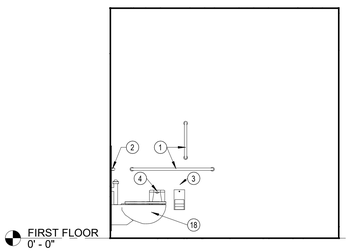
FIRST FLOOR 0' - 0"

7 MEN'S RR - INTERIOR ELEVATION
A4.3 3/8" = 1'-0"



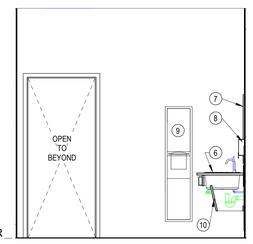
FIRST FLOOR 0' - 0"

8 WOMEN'S RR - INTERIOR ELEVATION NORTH
A4.3 3/8" = 1'-0"



FIRST FLOOR 0' - 0"

9 WOMEN'S RR - INTERIOR ELEVATION EAST
A4.3 3/8" = 1'-0"



FIRST FLOOR 0' - 0"

10 WOMEN'S RR - INTERIOR ELEVATION WEST
A4.3 3/8" = 1'-0"

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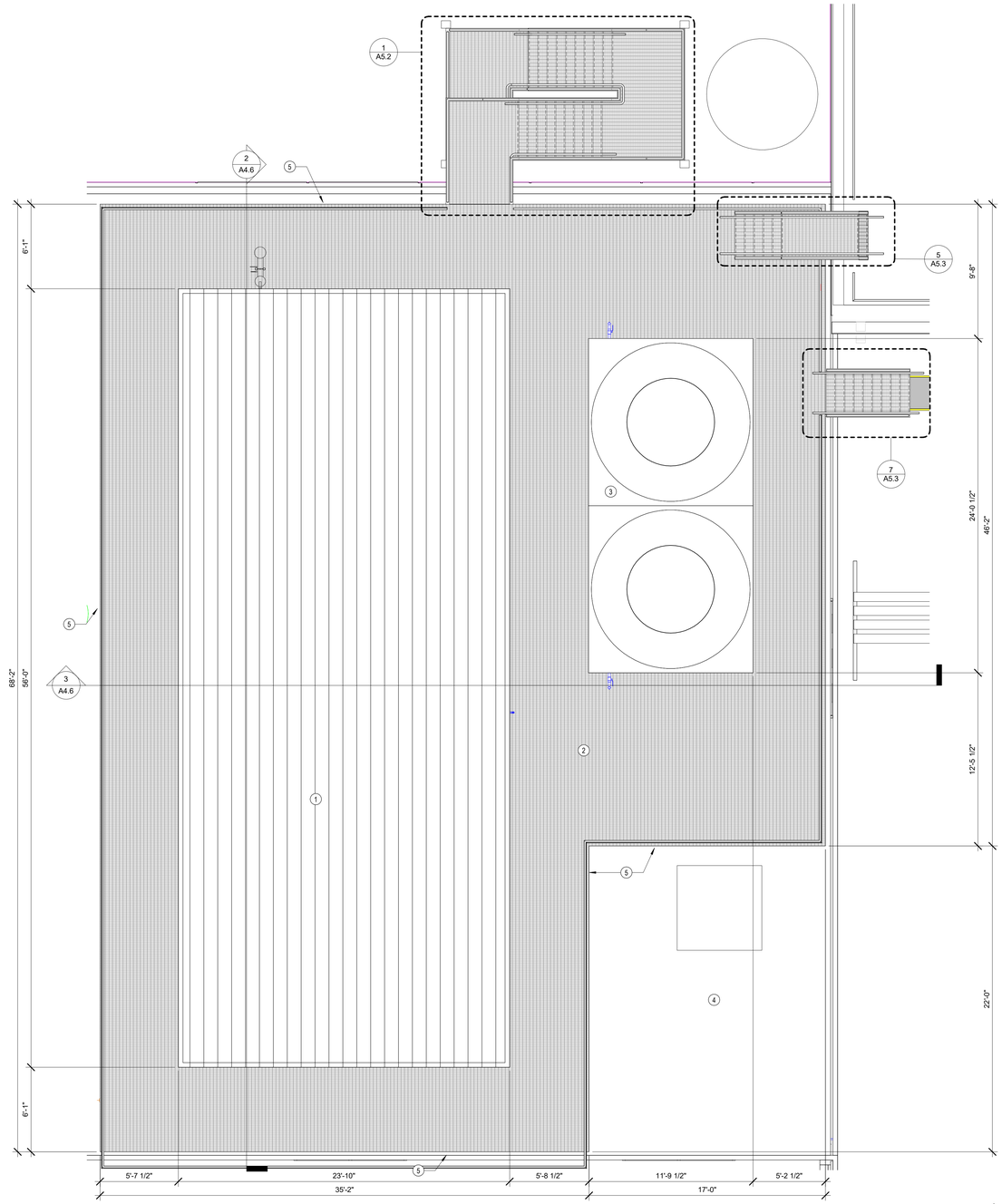
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
ENLARGED PLANS, ELEVATIONS, & DETAILS

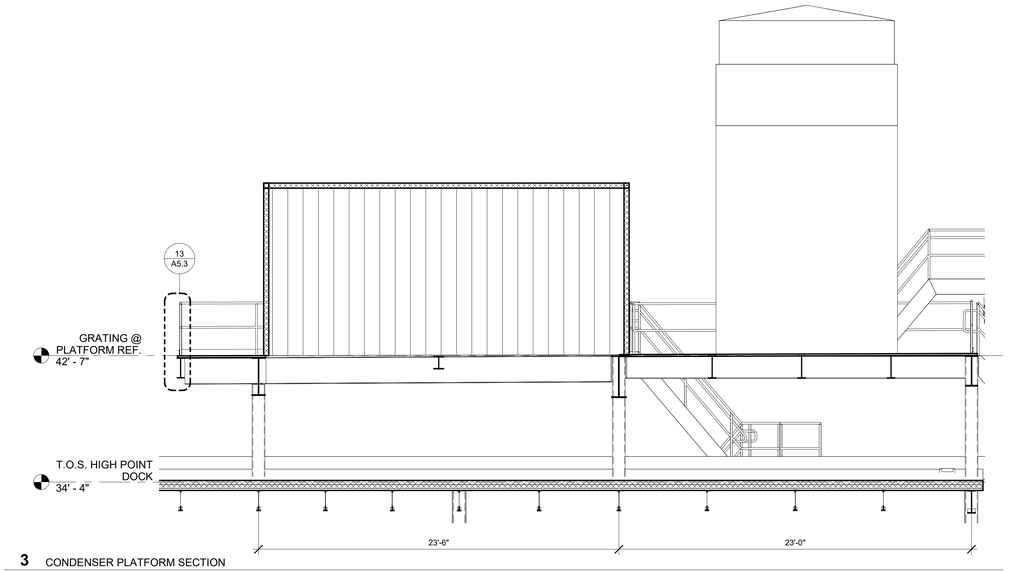
sheet
A4.3

KEYNOTES - CONDENSOR PLATFORM

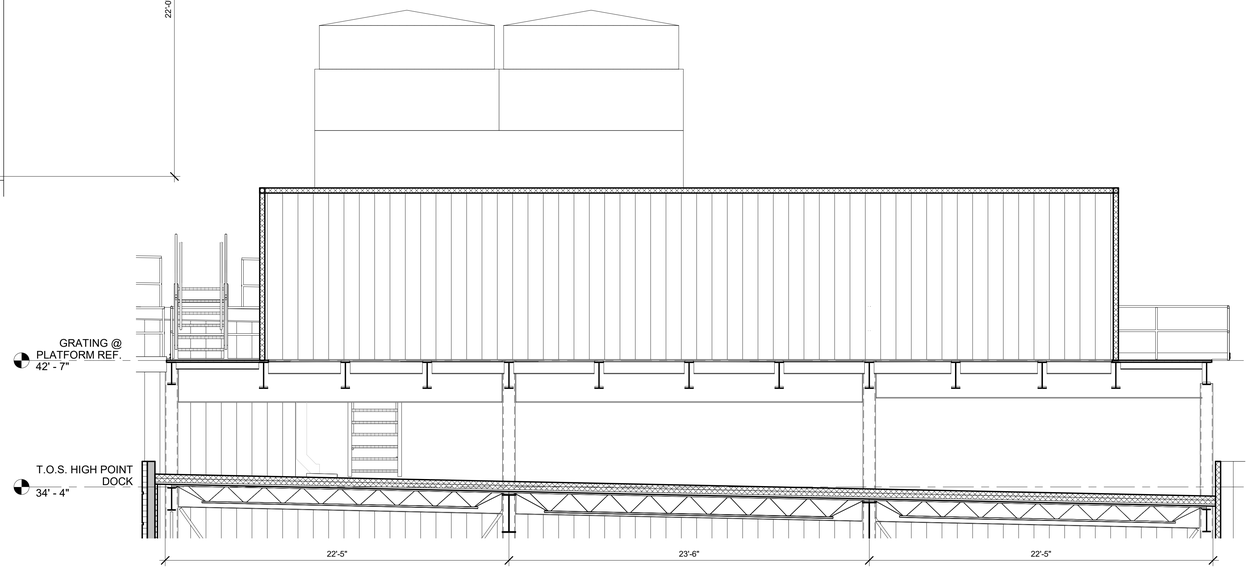
#	Description
1	REFRIGERATION PENTHOUSE (METAL DECK BELOW UNIT TO BE REMOVED COORDINATE SIZE AND LOCATIONS WITH REFRIGERATION)
2	BAR GRANTING REFRIGERATION PLATFROM. SEE STRUCTURAL
3	REFRIGERATION CONDENSER UNITS. SEE REFRIGERATION
4	METAL ROOF WITH TPO MEMBRANE BELOW.
5	42" CONDENSOR GUARD RAIL ATTACHED TO STRUCTURAL STEEL.



1 ENL CONDENSER PLATRFORM PLAN
A4.6 1/4" = 1'-0"



3 CONDENSER PLATFORM SECTION
A4.6 1/4" = 1'-0"



2 CONDENSER PLATFORM SECTION
A4.6 1/4" = 1'-0"

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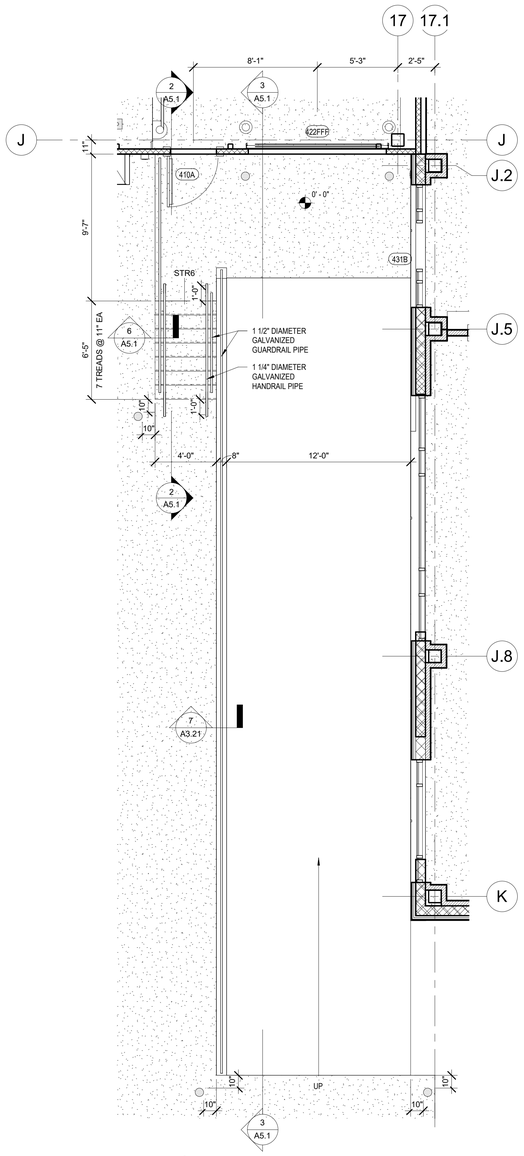
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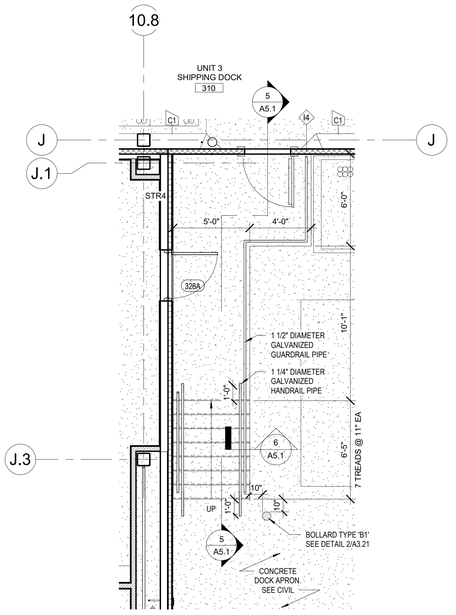
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
ENLARGED CONDENSER PLATFORM PLAN

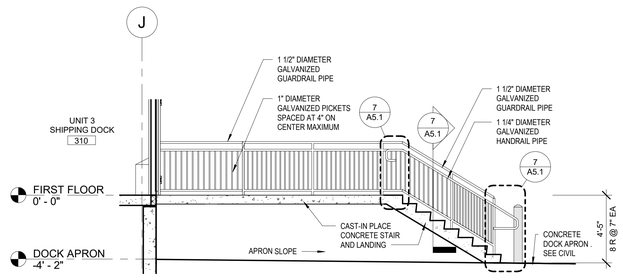
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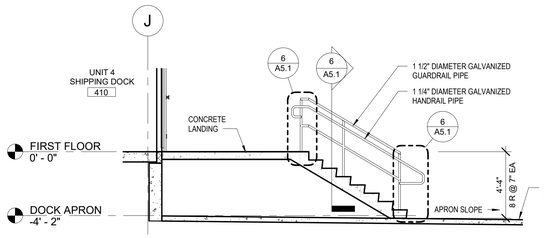
1 ENLARGED PLAN - STR / RAMP #1 & #6
A5.1 1/4" = 1'-0"



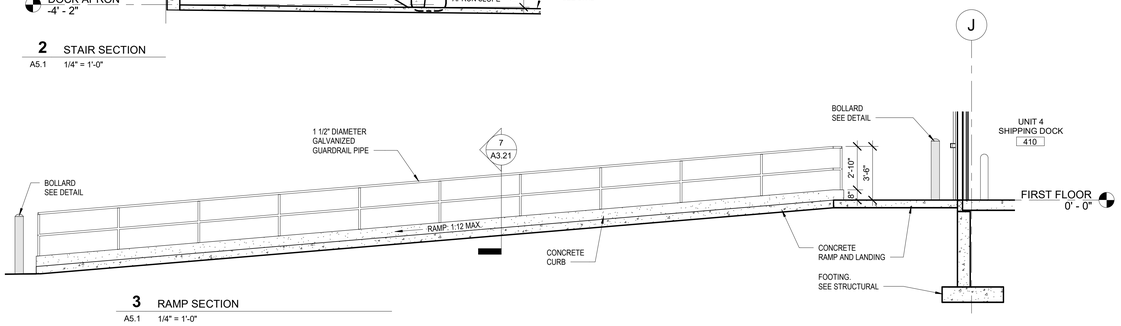
4 ENLARGED PLAN - STRS #3 & #4
A5.1 1/4" = 1'-0"



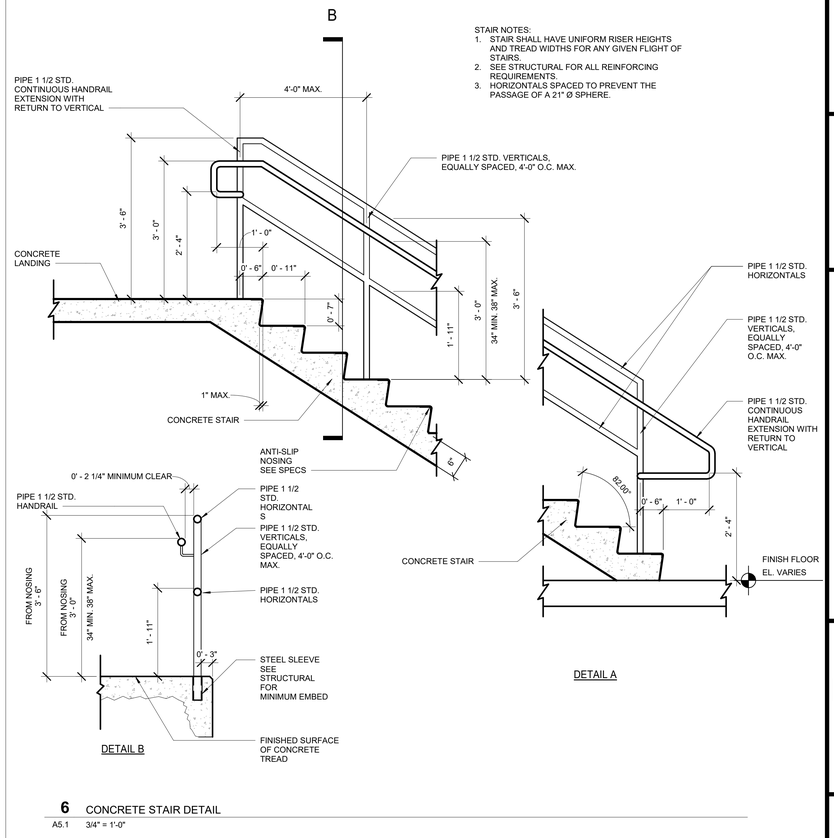
5 STAIR SECTION
A5.1 1/4" = 1'-0"



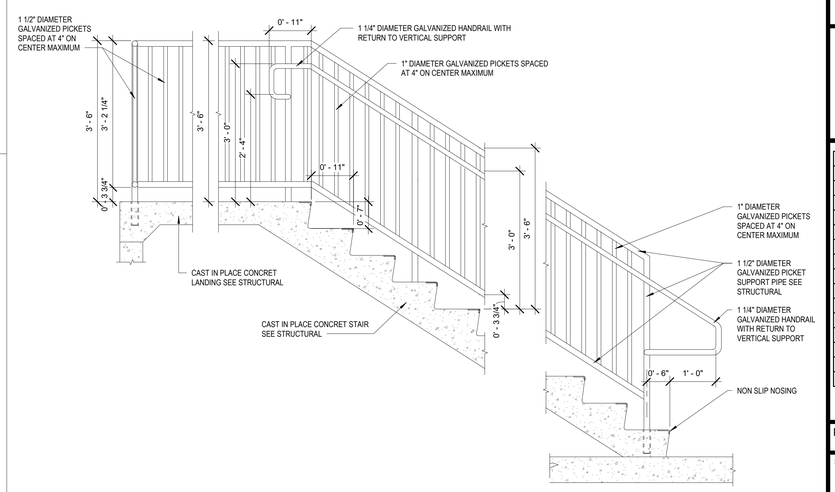
2 STAIR SECTION
A5.1 1/4" = 1'-0"

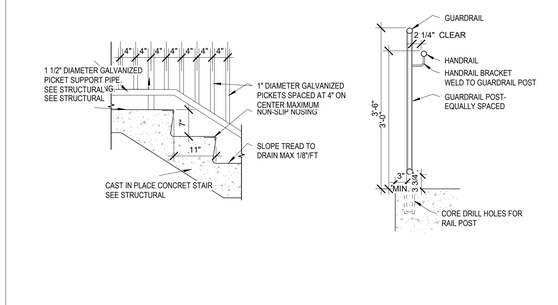


3 RAMP SECTION
A5.1 1/4" = 1'-0"



6 CONCRETE STAIR DETAIL
A5.1 3/4" = 1'-0"





7 CONCRETE STAIR DETAIL w/ PICKETS
A5.1 3/4" = 1'-0"

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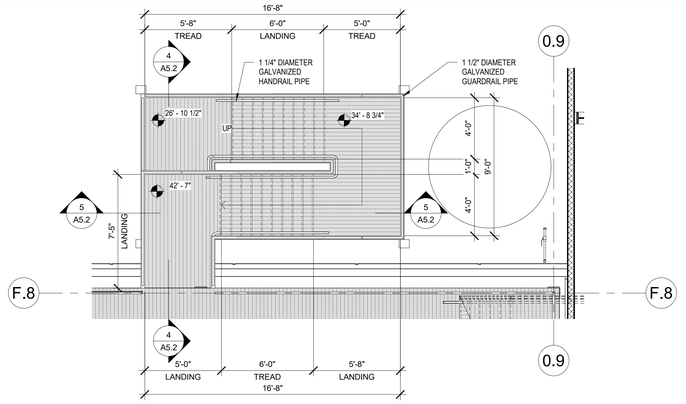
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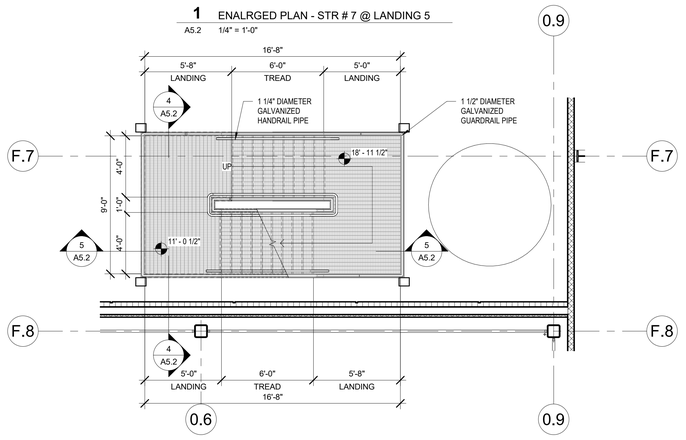
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
STAIR & RAMP PLANS, SECTIONS & DETAILS

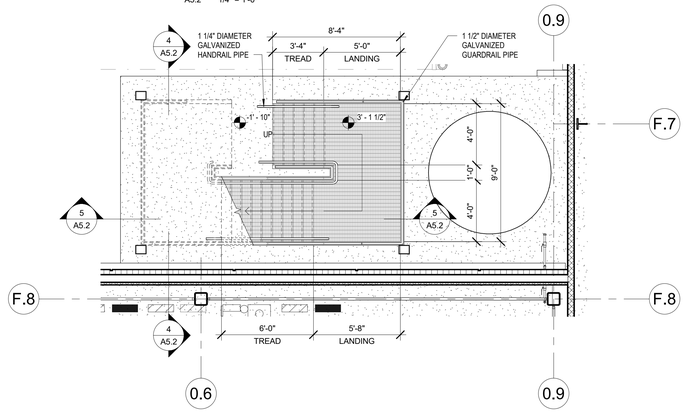
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A5.1



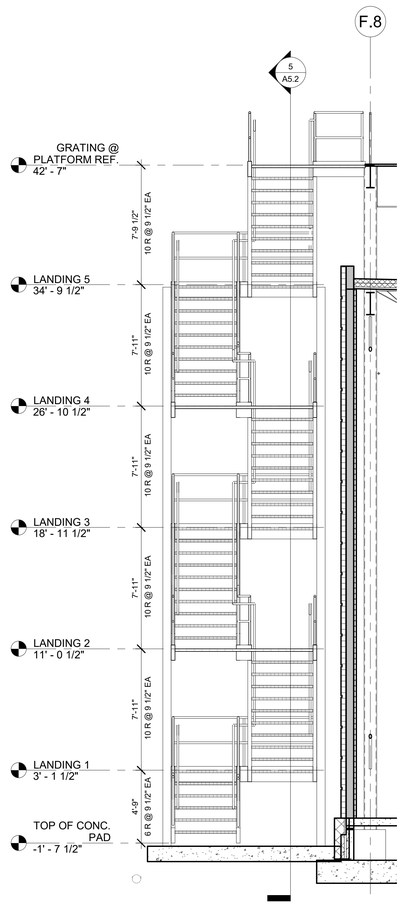
1 ENALRGED PLAN - STR # 7 @ LANDING 5
A5.2 1/4" = 1'-0"



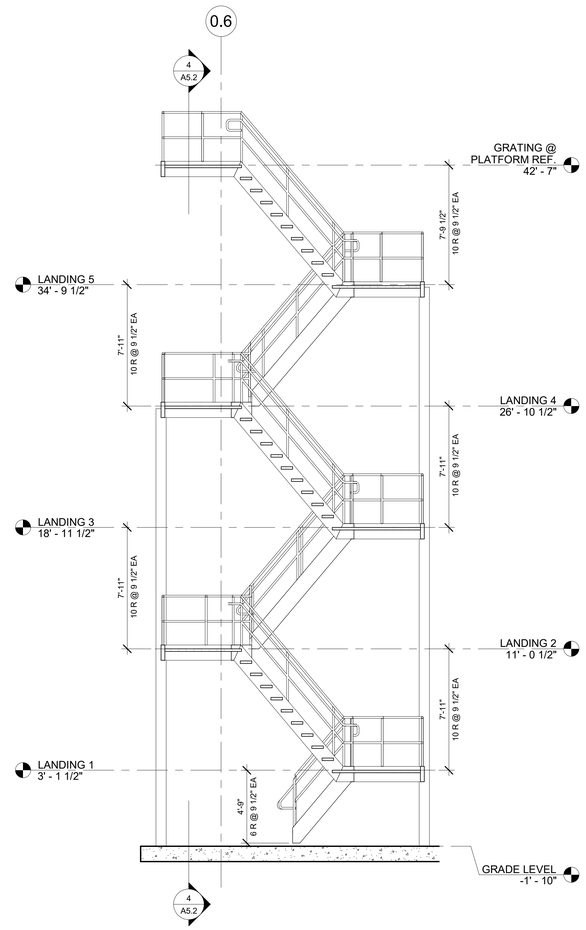
2 ENALRGED PLAN - STR # 7 @ LANDING 3
A5.2 1/4" = 1'-0"



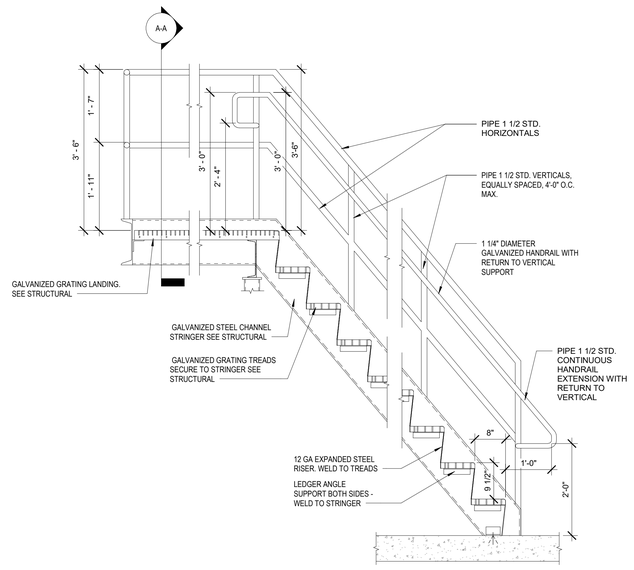
3 ENLARGED PLAN - STR #7 @ LANDING 1
A5.2 1/4" = 1'-0"



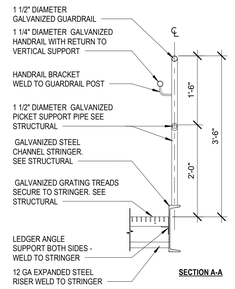
4 Section 76
A5.2 1/4" = 1'-0"



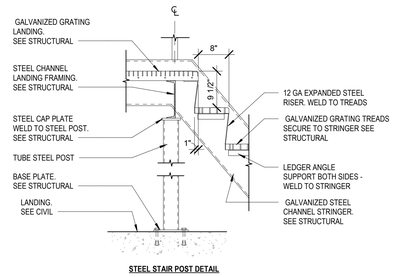
5 Section 77
A5.2 1/4" = 1'-0"



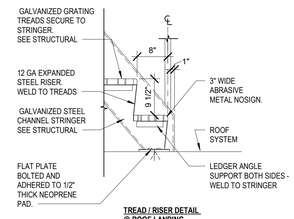
6 STEEL GRATING STAIR DETAIL
A5.2 3/4" = 1'-0"



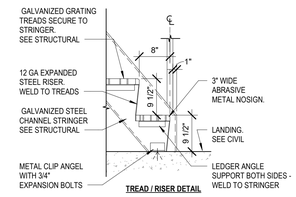
SECTION A-A



STEEL STAIR POST DETAIL



TREAD / RISER DETAIL @ ROOF LANDING



TREAD / RISER DETAIL

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12/12/22	ISSUED FOR PERMIT
11/29/2022	60% PROGRESS ISSUE
date	description

drawing status

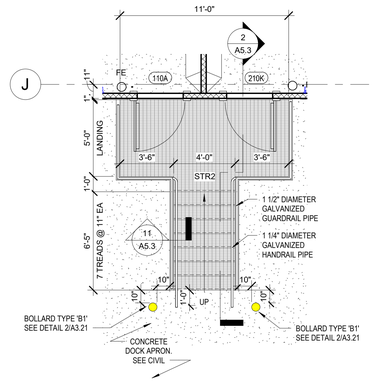
project no. 20-086

seal

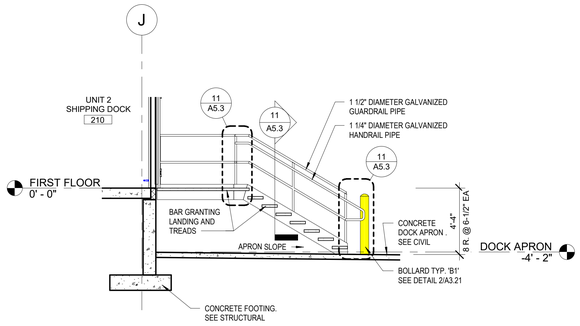
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
STAIR & RAMP PLANS, SECTIONS & DETAILS

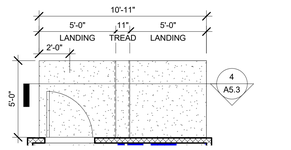
sheet
A5.2



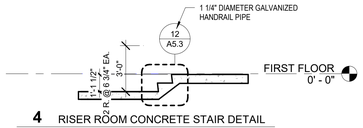
1 ENLARGED PLAN - STR #2 & #5
A5.3 1/4" = 1'-0"



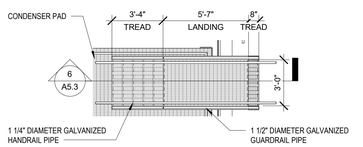
2 STAIR SECTION
A5.3 1/4" = 1'-0"



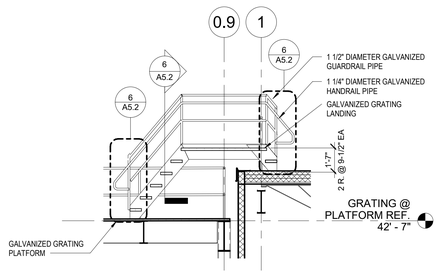
3 TYP. ENL STAIR - RISER ROOM
A5.3 1/4" = 1'-0"



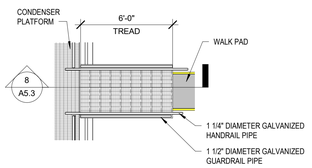
4 RISER ROOM CONCRETE STAIR DETAIL
A5.3 1/4" = 1'-0"



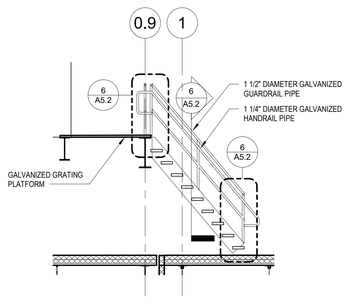
5 ENL CONDENSER PLATFORM STAIR
A5.3 1/4" = 1'-0"



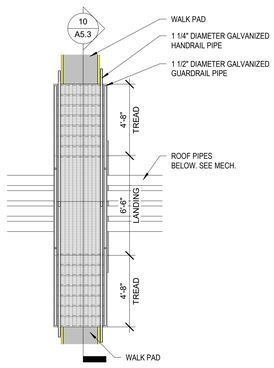
6 CONDENSER PLATFORM STAIR SECTION
A5.3 1/4" = 1'-0"



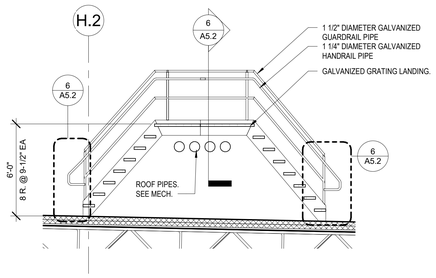
7 ENL CONDENSER PLATFORM STAIR
A5.3 1/4" = 1'-0"



8 CONDENSER PLATFORM STAIR SECTION
A5.3 1/4" = 1'-0"

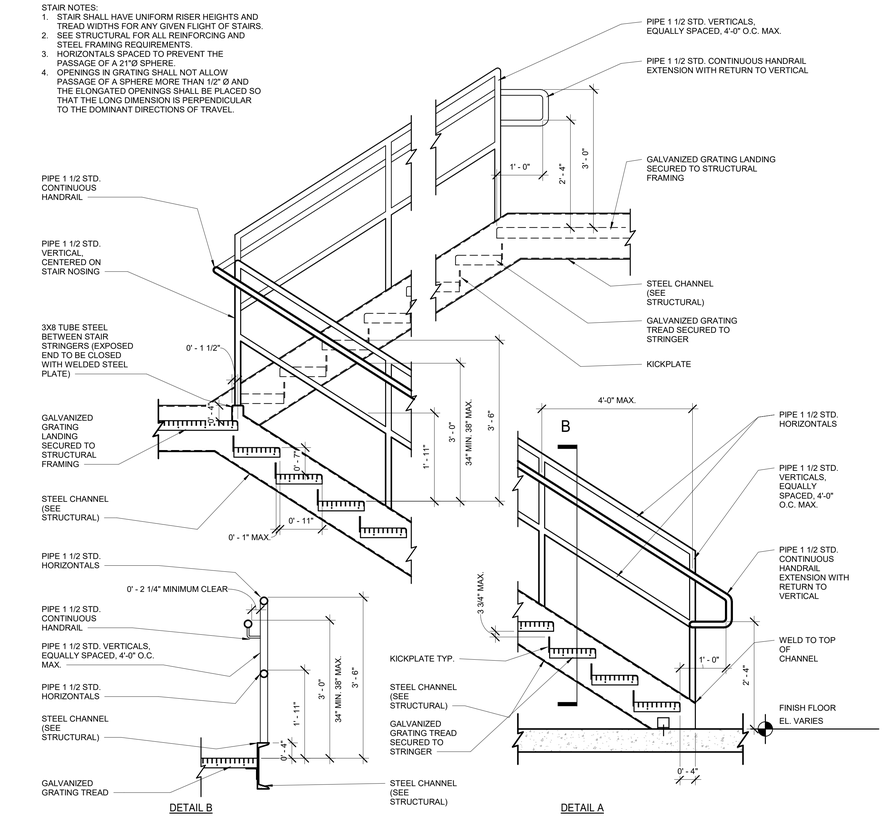


9 ENL WALKPAD STAIR PLAN
A5.3 1/4" = 1'-0"

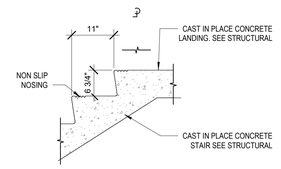


10 WALKPAD STAIR SECTION
A5.3 1/4" = 1'-0"

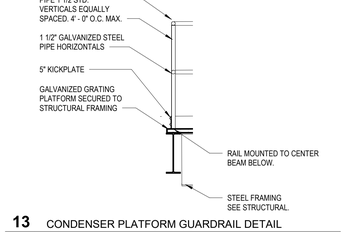
STAIR NOTES:
1. STAIR SHALL HAVE UNIFORM RISER HEIGHTS AND TREAD WIDTHS FOR ANY GIVEN FLIGHT OF STAIRS.
2. SEE STRUCTURAL FOR ALL REINFORCING AND STEEL FRAMING REQUIREMENTS.
3. HORIZONTALS SPACED TO PREVENT THE PASSAGE OF A 21"Ø SPHERE.
4. OPENINGS IN GRATING SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" Ø AND THE ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTIONS OF TRAVEL.



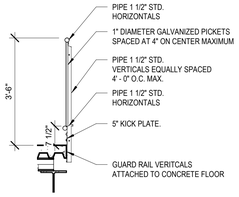
11 STEEL GRATING STAIR DETAIL 1
A5.3 3/4" = 1'-0"



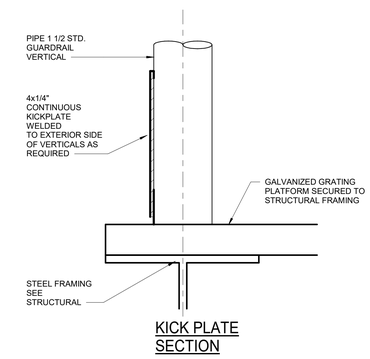
12 CONCRETE STAIR DETAIL
A5.3 3/4" = 1'-0"



13 CONDENSER PLATFORM GUARDRAIL DETAIL
A5.3 1/2" = 1'-0"



14 MEZZANINE GUARDRAIL DETAIL
A5.3 1/2" = 1'-0"



15 GUARDRAIL KICK PLATE DETAIL
A5.3 6" = 1'-0"

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date	description
12/12/22	ISSUED FOR PERMIT

drawing status

project no. 20-086

seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
STAIR & RAMP PLANS, SECTIONS & DETAILS

sheet
A5.3

DOOR SCHEDULE - DOOR, FRAME, HARDWARE

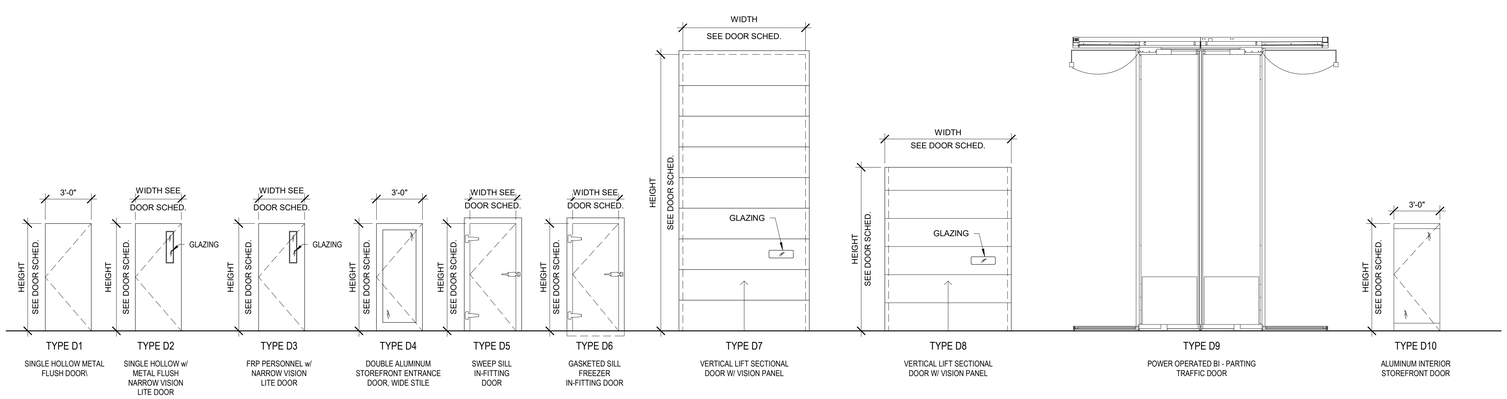
FIRE RATING	MARK	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR TYPE	FRAME TYPE	FRAME MATERIAL	HEAD	JAMB	SILL	HARDWARE	COMMENTS
	101A	6' - 0"	18' - 0"	2"	D9	-	PF	1/A603	1/A603	1/A603		
	101B	3' - 0"	7' - 0"	5"	D4	-	PF	2/A603	2/A603	6/A603		
	101C	8' - 0"	18' - 0"	2"	D9	-	PF	1/A603	1/A603	1/A603		
	101D	3' - 0"	7' - 0"	5"	D4	-	PF	2/A603	2/A603	6/A603		
	101E	3' - 0"	7' - 0"	5"	D6	-	PF	2/A603	2/A603	2/A603		
	101F	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	101G	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	101H	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	101J	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	110A	3' - 0"	7' - 0"	5"				2/A603	2/A603			
	110C	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	110D	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	110E	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	110F	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	110G	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	110H	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	110J	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	110K	3' - 0"	7' - 0"	5"				2/A603	2/A603			
	110Q	9' - 0"	18' - 0"	2"				5/A603	5/A603			
	113B	6' - 0"	7' - 0"	2 1/32"	D1	F1	HM					
	120A	6' - 0"	8' - 0"	1 3/4"	D4	-	ALUM	15/A4.2	16/A4.2			
	120B	6' - 0"	8' - 0"	1 3/4"	D4	-	ALUM	15/A4.2	16/A4.2			
	120G	2' - 4"	5' - 10"									
	120H	3' - 0"	7' - 0"									
	120I	2' - 4"	5' - 10"									
	120J	3' - 0"	7' - 0"									
	120L	2' - 4"	5' - 10"									
	121A	3' - 0"	7' - 0"	1 3/4"								
	122A	3' - 0"	7' - 0"	1 3/4"				2/A603	2/A603			
	122C	3' - 0"	7' - 0"	1 3/4"								
	124A	3' - 0"	7' - 0"	0"								
	126A	3' - 0"	7' - 0"	0"								
	127A	3' - 0"	7' - 0"	1 3/4"								
	128A	3' - 0"	7' - 0"	1 3/4"								
	128B	3' - 0"	8' - 0"									
	133B	8' - 0"	18' - 0"	2"				5/A603	5/A603			
-	140A	3' - 0"	7' - 0"	1 3/4"								
	141A	3' - 0"	7' - 0"	1 3/4"								
	142A	3' - 0"	7' - 0"	1 3/4"								
	142B	2' - 4"	5' - 10"									
	142D	2' - 4"	5' - 10"									
-	143A	3' - 0"	7' - 0"	1 3/4"								
-	144A	3' - 0"	7' - 0"	1 3/4"								
-	145A	3' - 0"	7' - 0"	1 3/4"								
	145T	2' - 4"	5' - 10"									
	145W	2' - 4"	5' - 10"									
	201A	3' - 0"	7' - 0"	5"	D4	-	PF	2/A603	2/A603	6/A603		
	201B	8' - 0"	18' - 0"	2"	D9	-	PF	1/A603	1/A603	1/A603		
	201C	3' - 0"	7' - 0"	5"	D4	-	PF	2/A603	2/A603	6/A603		
	201D	8' - 0"	18' - 0"	2"	D9	-	PF	1/A603	1/A603	1/A603		
	201E	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	202F	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	203A	3' - 0"	7' - 0"	1 3/4"	D2	F1	HM					
	204A	3' - 0"	7' - 0"	1 3/4"	D2	F1	HM					
	210A	3' - 0"	7' - 0"	5"				2/A603	2/A603			
	210B	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	210C	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	210D	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	210E	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	210F	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	210G	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	210H	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	210K	3' - 0"	7' - 0"	5"				2/A603	2/A603			
	210L	8' - 0"	18' - 0"	2"	D7	-	PF	5/A603	5/A603	5/A603		
	211A	3' - 0"	7' - 0"	1 3/4"	D3	F1	FRP	2/A603	2/A603			
	211B	8' - 0"	18' - 0"	2"	D7	-	PF	5/A603	5/A603	5/A603		
	220A	6' - 0"	8' - 0"	1 3/4"	D4	-	ALUM	15/A4.2	16/A4.2			
	221A	3' - 0"	7' - 0"	1 3/4"								
	223A	3' - 0"	7' - 0"	0"								
	224A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	224B	3' - 0"	7' - 0"	0"								
	225A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	225B	3' - 0"	7' - 0"	0"								
	226A	3' - 0"	7' - 0"	0"								
	227A	3' - 0"	7' - 0"	1 3/4"								
	228A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	228B	3' - 0"	7' - 0"	1 3/4"	D3	F2	FRP					
	229A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	229B	3' - 0"	7' - 0"	1 3/4"				2/A603	2/A603			
	229C	3' - 0"	7' - 0"	1 3/4"								
	229D	2' - 4"	5' - 10"									
	229E	3' - 0"	7' - 0"									
	229G	2' - 4"	5' - 10"									
	229H	2' - 4"	5' - 10"									
	229I	3' - 0"	7' - 0"									
	229L	2' - 4"	5' - 10"									

DOOR SCHEDULE - DOOR, FRAME, HARDWARE

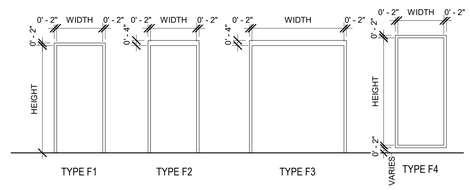
FIRE RATING	MARK	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR TYPE	FRAME TYPE	FRAME MATERIAL	HEAD	JAMB	SILL	HARDWARE	COMMENTS
	229M	3' - 0"	7' - 0"									
	229N	2' - 4"	5' - 10"									
	229O	2' - 4"	5' - 10"									
	229P	3' - 0"	7' - 0"									
	229R	2' - 4"	5' - 10"									
	229S	2' - 4"	5' - 10"									
	229T	2' - 4"	5' - 10"									
	229U	2' - 4"	5' - 10"									
	301A	3' - 0"	7' - 0"	5"	D4	-	PF	2/A603	2/A603	6/A603		
	301B	8' - 0"	18' - 0"	2"	D9	-	PF	1/A603	1/A603	1/A603		
	301C	8' - 0"	18' - 0"	2"	D9	-	PF	1/A603	1/A603	1/A603		
	301D	3' - 0"	7' - 0"	5"	D4	-	PF	2/A603	2/A603	6/A603		
	301E	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	301F	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	303A	3' - 0"	7' - 0"	1 3/4"	D2	F1	HM					
	304A	3' - 0"	7' - 0"	1 3/4"	D2	F1	HM					
	310A	3' - 0"	7' - 0"	5"				2/A603	2/A603			
	310C	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	310D	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	310E	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	310F	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	310G	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	310H	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	310J	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	310K	3' - 0"	7' - 0"	5"				2/A603	2/A603			
	311A	3' - 0"	7' - 0"	1 3/4"	D3	F1	FRP	2/A603	2/A603			
	311B	8' - 0"	18' - 0"	2"	D7	-	PF	5/A603	5/A603	5/A603		
	320A	6' - 0"	8' - 0"	1 3/4"	D4	-	ALUM	15/A4.2	16/A4.2			
	321A	3' - 0"	7' - 0"	1 3/4"								
	322A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	323A	3' - 0"	7' - 0"	0"								
	324A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	324B	3' - 0"	7' - 0"	0"								
	325A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	325B	3' - 0"	7' - 0"	0"								
	326A	3' - 0"	7' - 0"	0"								
	327A	3' - 0"	7' - 0"	1 3/4"								
	327B	3' - 0"	7' - 0"	1 3/4"				2/A603	2/A603			
	328A	3' - 0"	7' - 0"	1 3/4"	D3	F2	FRP					
	328A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	401A	3' - 0"	7' - 0"	5"	D4	-	PF	2/A603	2/A603	6/A603		
	401B	8' - 0"	18' - 0"	2"	D9	-	PF	1/A603	1/A603	1/A603		
	401C	3' - 0"	7' - 0"	5"	D4	-	PF	2/A603	2/A603	6/A603		
	401D	8' - 0"	18' - 0"	2"	D9	-	PF	1/A603	1/A603	1/A603		
	401E	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	401F	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	401G	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	401H	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	401J	3' - 0"	7' - 0"	5"	D5	-	PF	2/A603	2/A603	2/A603		
	403A	3' - 0"	7' - 0"	1 3/4"	D2	F1	HM					
	404F	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	404G	9' - 0"	10' - 4"	3"								
	410A	3' - 0"	7' - 0"	5"				2/A603	2/A603			
	410B	9' - 0"	10' - 4"	3"								
	410C	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	410D	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	410E	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	410F	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	410G	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	410H	9' - 0"	10' - 4"	3"	D8	-	PF			1/A603		
	410K	3' - 0"	7' - 0"	5"				2/A603	2/A603			
	410L	8' - 0"	18' - 0"	2"	D7	-	PF	5/A603	5/A603	5/A603		
	420A	6' - 0"	7' - 10"	1 3/4"	D4	-	ALUM	15/A4.2	16/A4.2			
	420B	6' - 0"	8' - 0"	1 3/4"	D4	-	ALUM	15/A4.2	16/A4.2			
	421A	3' - 0"	7' - 0"	1 3/4"								
	421B	3' - 0"	7' - 0"	1 3/4"								
	421D	3' - 0"	7' - 0"	1 3/4"								
	421J	2' - 4"	5' - 10"									
	421K	2' - 4"	5' - 10"									
	421KKKKKKKK	2' - 4"	5' - 10"									
	422A	3' - 0"	7' - 0"	1 3/4"								
	422FFF	9' - 0"	18' - 0"	2"				5/A603	5/A603			
	423A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	424A	3' - 0"	7' - 0"	0"								
	425A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	426A	3' - 0"	7' - 0"	0"								
	427A	3' - 0"	7' - 0"	1 3/4"								
	431A	3' - 0"	7' - 0"	1 3/4"	D3	F1	HM					
	431B	3' - 0"	8' - 0"									
	440B	8' - 0"	18' - 0"	2"	D7	-	PF	5/A603	5/A603	5/A603		
	443A	3' - 0"	7' - 0"	1 3/4"				2/A603	2/A603			
	443B	3' - 0"	7' - 0"	1 3/4"				2/A603	2/A603			
	444B	3' - 0"	7' - 0"	1 3/4"				2/A603	2/A603			

MATERIAL ABBREVIATION

ALUM.	ALUMINUM	IAL	INSULATED ACRYLIC LITE	MTL	METAL
CH	CHAIN OPERATOR	IHM	INSULATED HOLLOW METAL	PF	PREFINISHED
FRP	FIBERGLASS REINFORCED PLASTIC	INSUL.	INSULATED	PVC	POLYVINYL CHLORIDE
GS	GALVANIZED STEEL	ITGL	INSULATED TEMPERED GLASS LITE	SCW	SOLID CORED WOOD
HC	HEATER CABLE	MA	MANUAL OPERATION	STL	STEEL
HM	HOLLOW METAL	MOT	MOTOR OPERATOR	TGL	1/4" TEMEPERED GLASS LITE
WGL	WIRED GLASS LITE				



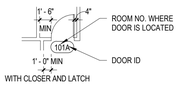
1 DOOR TYPES
A6.1 1/4" = 1'-0"



2 FRAMES TYPES
A6.1 1/4" = 1'-0"

GENERAL DOOR AND WINDOW NOTES

- ALL EXTERIOR HOLLOW METAL FRAMES ARE WELDED. KNOCK DOWN FRAMES ACCEPTABLE FOR INTERIOR SPACES ONLY.
- PRIOR TO FABRICATION, FIELD VERIFY ALL DIMENSIONS.
- ALL GLASS TO BE 1/4" TEMPERED GLASS PER DIVISION 088000.
- REFER TO PROJECT MANUAL FOR HARDWARE SETS.
- COORDINATE ALL HARDWARE AT STOREFRONT DOORS.
- SMOKE RATED DOORS SHALL NOT BE UNDERCUT IN EXCESS OF THE CLEARANCE PERMITTED IN ACCORDANCE WITH NFPA 80.
- ALL INTERIOR STOREFRONT AND GATEWAY SIGNAGE TO BE CLEAR ANODIZED ALUMINUM.
- ALL EXTERIOR STOREFRONT TO MATCH EXISTING.
- REFER TO A602 FOR HEAD, JAMB, AND SILL DETAILS.



PROVIDE MINIMUM CLEARANCE SHOWN TO MEET CURRENT ACCESSIBILITY CODE

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date	description

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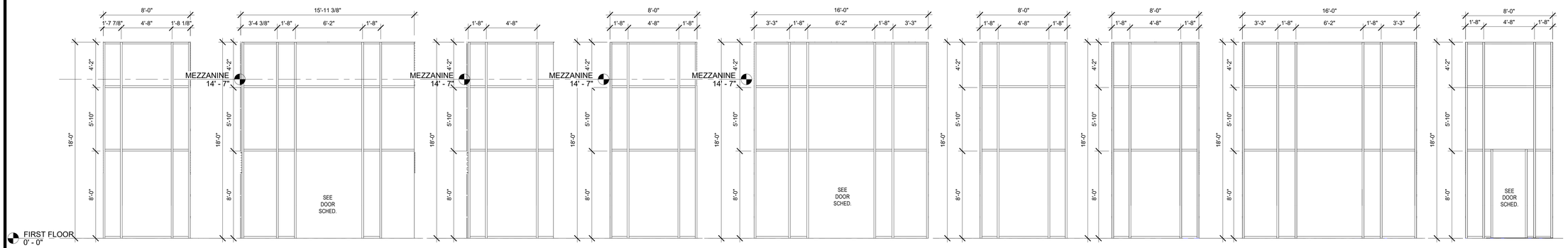
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seal

NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
DOOR SCHEDULES DETAILS AND ELEVATIONS

sheet
A6.1



SF-1 OFFICE 1 - WEST ELEVATION
A6.2 1/4" = 1'-0"

SF-2 OFFICE 1 - WEST ELEVATION
A6.2 1/4" = 1'-0"

SF-3 OFFICE 1 - WEST ELEVATION
A6.2 1/4" = 1'-0"

SF-4 OFFICE 1 - SOUTH ELEVATION
A6.2 1/4" = 1'-0"

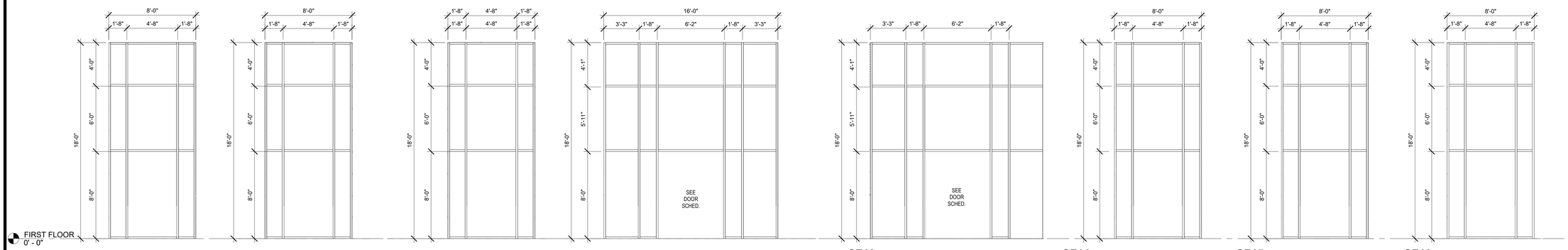
SF-5 OFFICE 1 - SOUTH ELEVATION
A6.2 1/4" = 1'-0"

SF-6 OFFICE 1 - SOUTH ELEVATION
A6.2 1/4" = 1'-0"

SF-7 OFFICE 1 - EAST ELEVATION
A6.2 1/4" = 1'-0"

SFS-8 OFFICE 1 - EAST ELEVATION
A6.2 1/4" = 1'-0"

SF-9 OFFICE 1 - EAST ELEVATION
A6.2 1/4" = 1'-0"



SF9 OFFICE 2 - WEST ELEVATION
A6.2 1/4" = 1'-0"

SF10 OFFICE 2 - SOUTH ELEVATION
A6.2 1/4" = 1'-0"

SF11 OFFICE 2 - SOUTH ELEVATION
A6.2 1/4" = 1'-0"

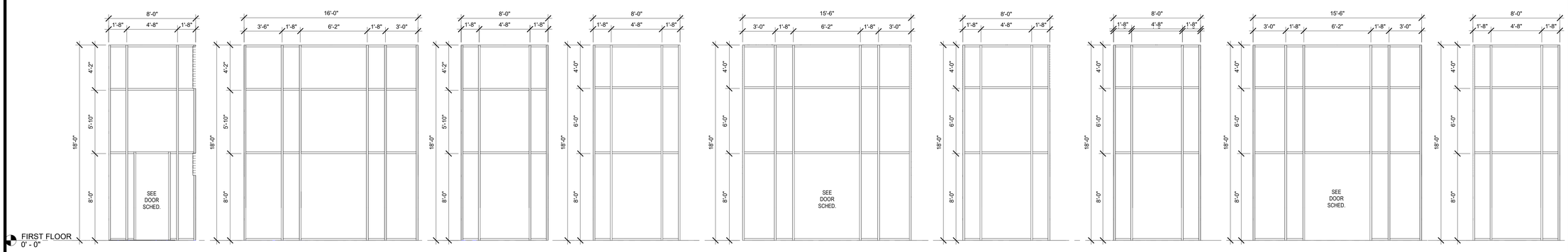
SF12 OFFICE 2 SOUTH ELEVATION
A6.2 1/4" = 1'-0"

SF13 OFFICE 3 - SOUTH ELEVATION
A6.2 1/4" = 1'-0"

SF14 OFFICE 3 - SOUTH ELEVATION
A6.2 1/4" = 1'-0"

SF15 OFFICE 3 - SOUTH ELEVATION
A6.2 1/4" = 1'-0"

SF16 OFFICE 3 - EAST ELEVATION
A6.2 1/4" = 1'-0"



SF-17 Elevation 18 - a
A6.2 1/4" = 1'-0"

SF-18 Elevation 19 - a
A6.2 1/4" = 1'-0"

SF-19 Elevation 20 - a
A6.2 1/4" = 1'-0"

SF-20 Elevation 21 - a
A6.2 1/4" = 1'-0"

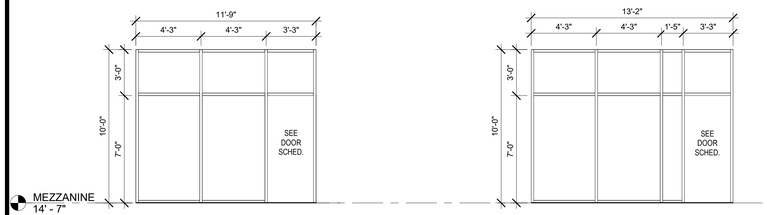
SF-21 Elevation 22 - a
A6.2 1/4" = 1'-0"

SF-22 Elevation 23 - a
A6.2 1/4" = 1'-0"

SF-23 Elevation 24 - a
A6.2 1/4" = 1'-0"

SF-24 Elevation 25 - a
A6.2 1/4" = 1'-0"

SF-25 Elevation 26 - a
A6.2 1/4" = 1'-0"



SF-26 INTERIOR STOREFRONT - TYP. MEZZANINE OFFICE
A6.2 1/4" = 1'-0"

SF-27 INTERIOR STOREFRONT - MEZZANINE OFFICE
A6.2 1/4" = 1'-0"

ABBREVIATIONS	
ALUM.	ALUMINUM
INSUL.	INSULATED
TGL.	TEMPERED GLASS LITE
HM.	HOLLOW METAL
SP	SPANDREL
WGL	WIRED GLASS LITE

REMARKS

1. THERMALLY BROKEN FRAM
2. INTERNAL HEAT
3. RATED GLASS AND FRAME
4. ALL EXTERIOR GLAZING TO BE LOW-E
5. STOREFRONT FRAMES TO BE CLEAR ANODIZED ALUMINUM
6. ALL GLASS BELOW 2'-0" TO BE TEMPERED

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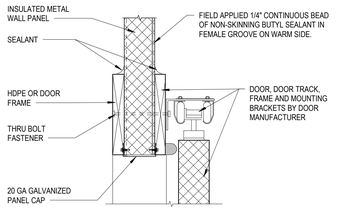
project no. 20-086

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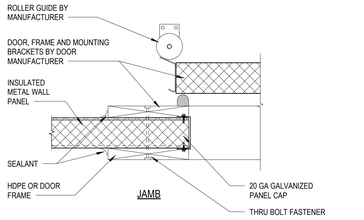
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
STOREFRONT ELEVATIONS

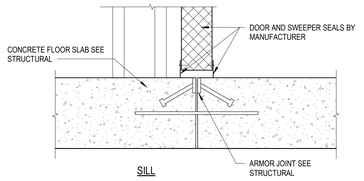
sheet A6.2



HEAD



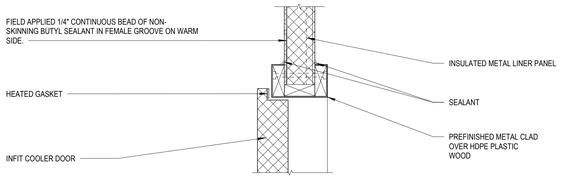
JAMB



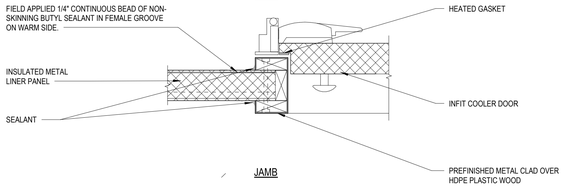
SILL

1 HORIZONTAL SLIDE DOOR

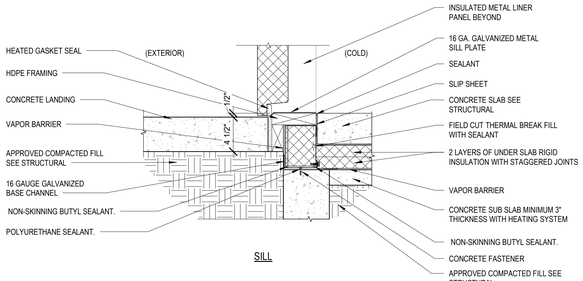
A6.3 1 1/2" = 1'-0"



HEAD



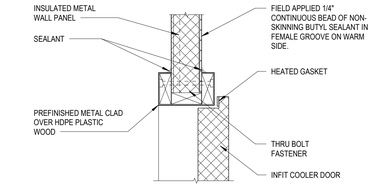
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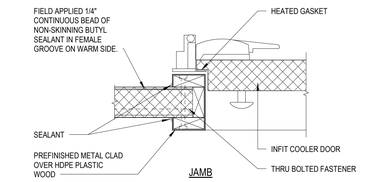
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2 INFIT DOOR EXTERIOR WALL

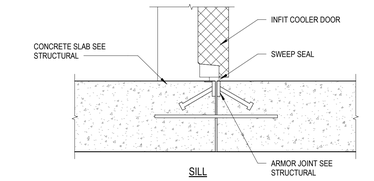
A6.3 1 1/2" = 1'-0"



HEAD



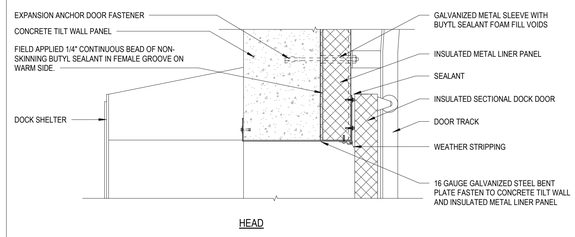
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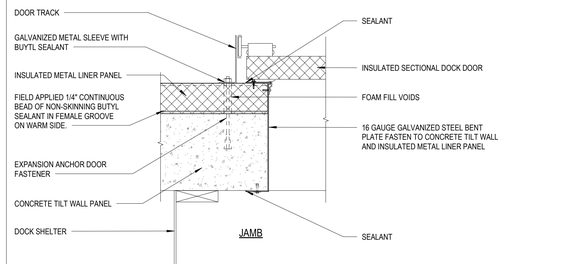
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3 INFIT DOOR INTERIOR PARTITION

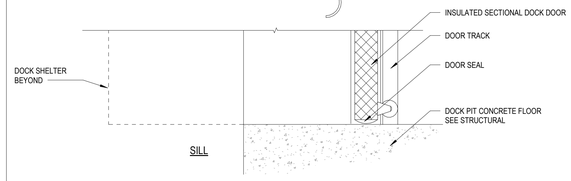
A6.3 1 1/2" = 1'-0"



HEAD



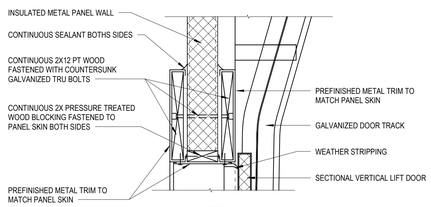
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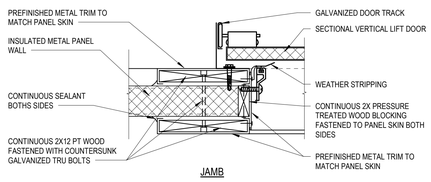
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4 INSULATED SECTIONAL DOCK DOOR

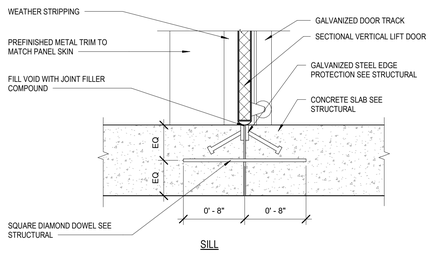
A6.3 1 1/2" = 1'-0"



HEAD



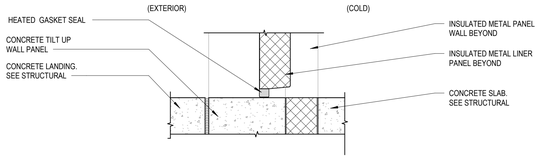
JAMB



SILL

5 SECTIONAL DOOR ON IMP WALL

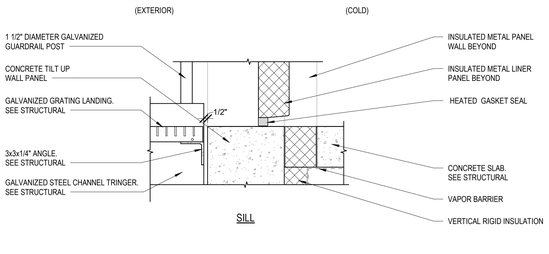
A6.3 1 1/2" = 1'-0"



SILL

6 INFIT DOOR WALL

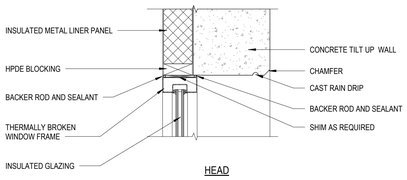
A6.3 1 1/2" = 1'-0"



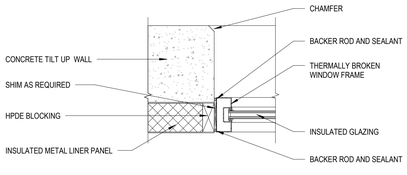
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7 INFIT DOOR WALL AT DOCK

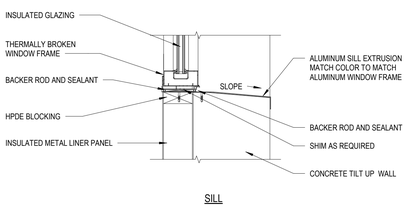
A6.3 1 1/2" = 1'-0"



HEAD



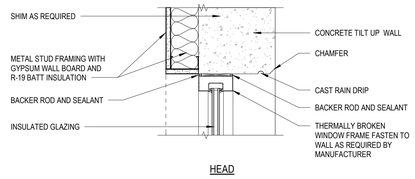
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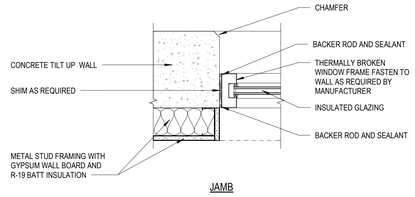
SILL

8 WINDOW DETAIL TILT WALL/LINER PANEL

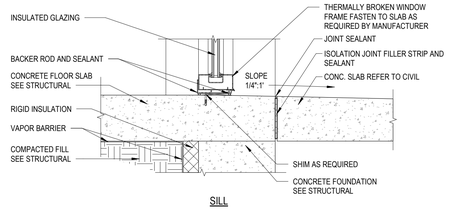
A6.3 1 1/2" = 1'-0"



HEAD



JAMB



SILL

9 WINDOW DETAIL TILT WALL W/FURRING

A6.3 1 1/2" = 1'-0"

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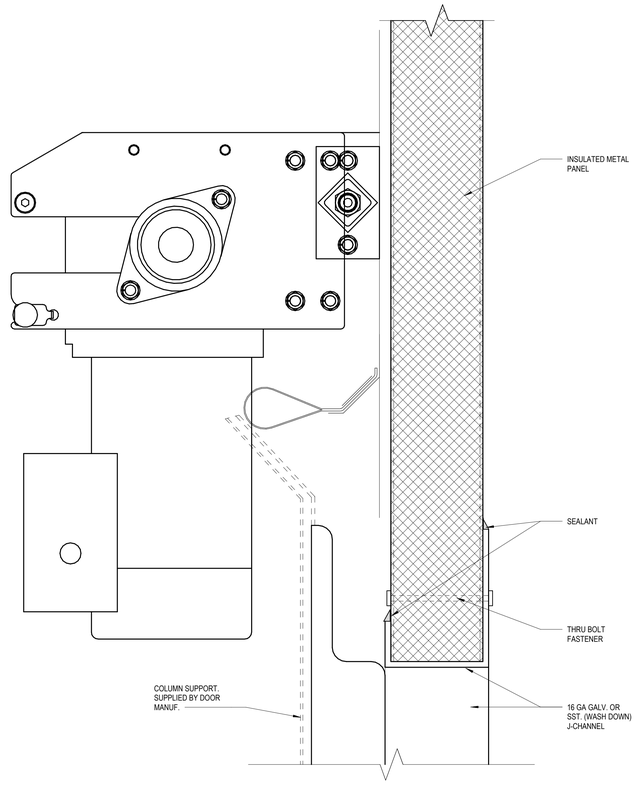
project no. 20-086

seal

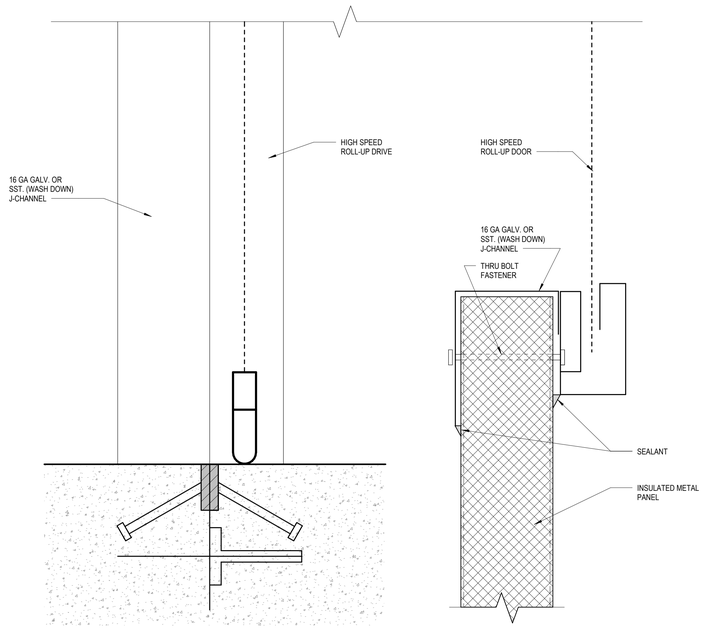
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

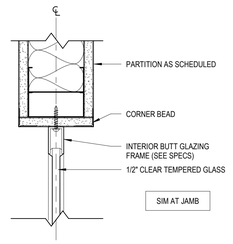
title
DOOR & WINDOW DETAILS

sheet
A6.3

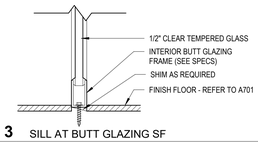


1 HIGH SPEED ROLL UP DOOR HEAD
A6.4 3" = 1'-0"

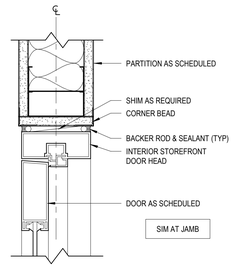




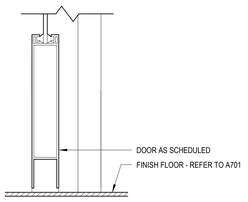
2 HEAD AT BUTT GLAZING SF
A6.4 3" = 1'-0"



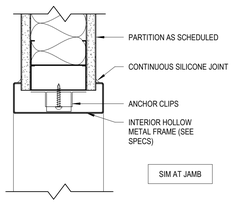
3 SILL AT BUTT GLAZING SF
A6.4 3" = 1'-0"



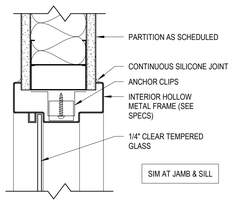
4 HEAD AT INTERIOR SF DOOR
A6.4 3" = 1'-0"



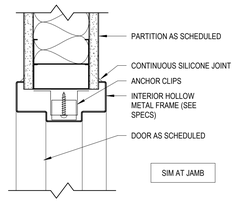
5 SILL AT INTERIOR SF DOOR
A6.4 3" = 1'-0"



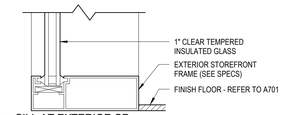
6 HEAD / JAMB AT HM CASED OPENING
A6.4 3" = 1'-0"



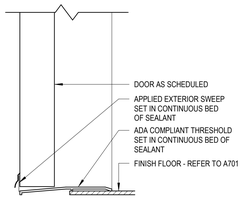
7 HEAD / JAMB / SILL AT HM WINDOW
A6.4 3" = 1'-0"



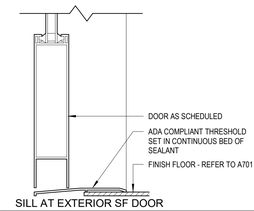
8 HEAD / JAMB AT HM DOOR
A6.4 3" = 1'-0"



9 SILL AT EXTERIOR SF
A6.4 3" = 1'-0"



10 SILL AT EXTERIOR METAL DOOR
A6.4 3" = 1'-0"



11 SILL AT EXTERIOR SF DOOR
A6.4 3" = 1'-0"

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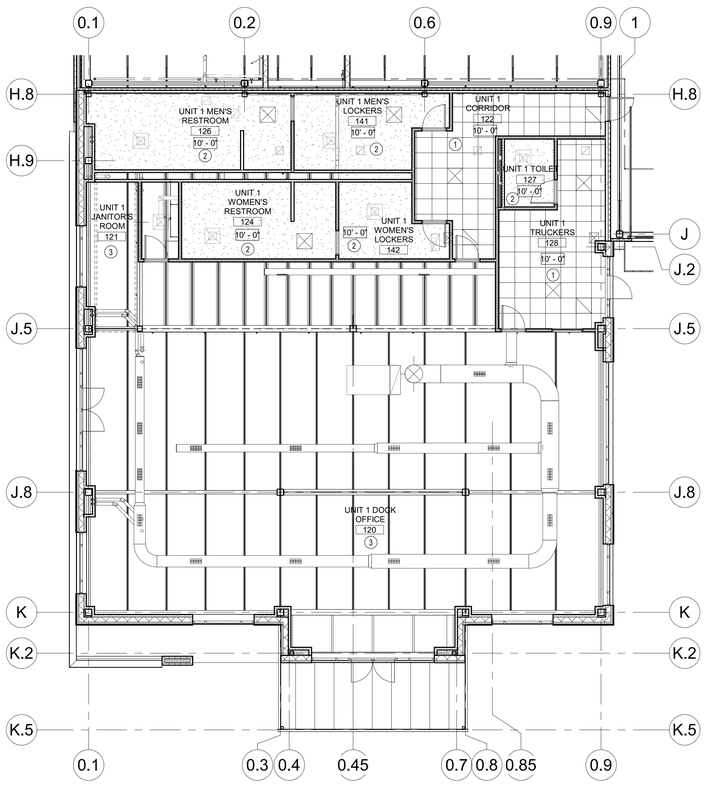
project no. 20-086

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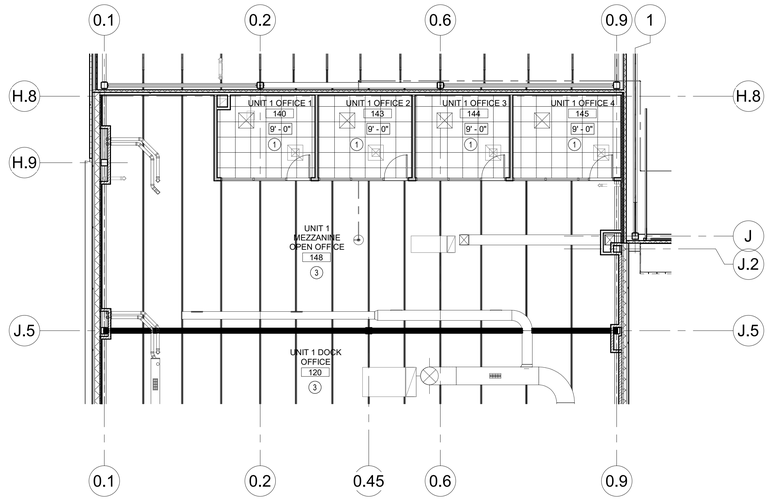
NORTH CAROLINA REGISTERED 15448 ARCHITECT JOANA K. BERLING

title
DOOR & WINDOW DETAILS

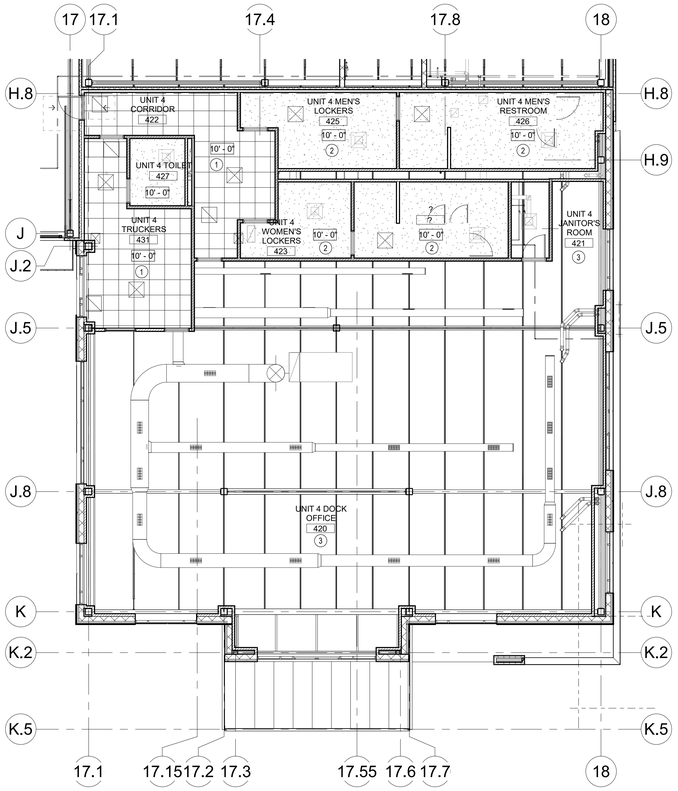
sheet
A6.4



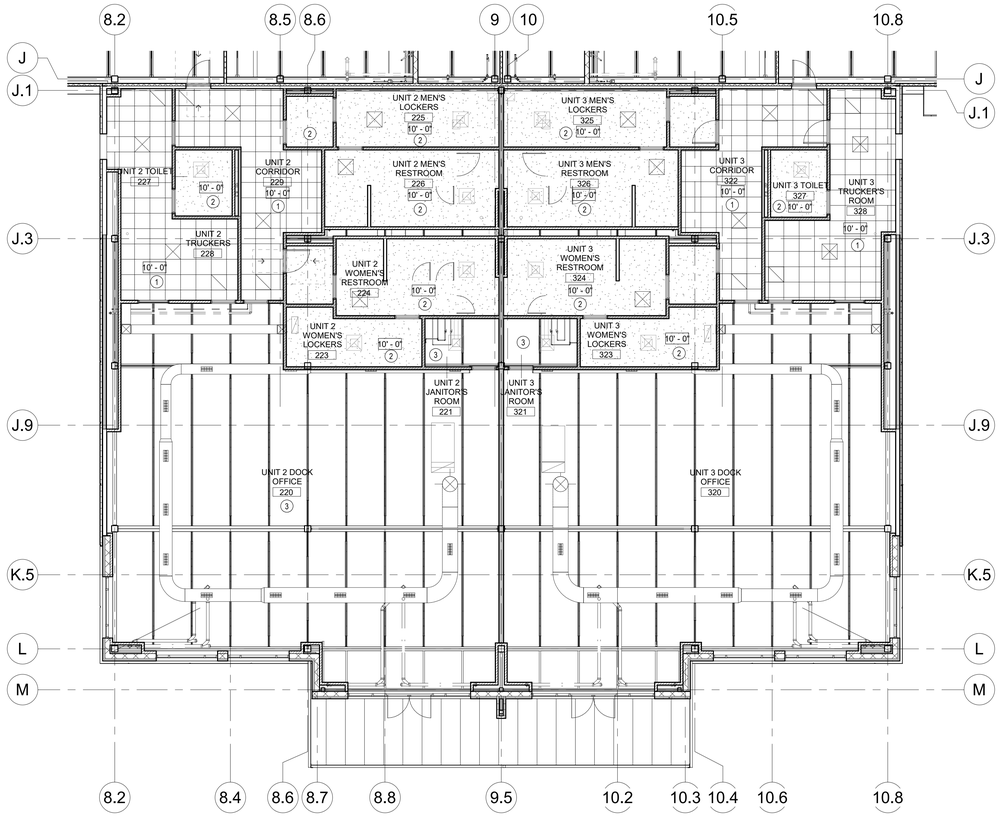
1 RCP - UNIT 1 DOCK OFFICE
A7.2 1/8" = 1'-0"



4 RCP - UNIT 1 MEZZANINE
A7.2 1/8" = 1'-0"



2 RCP - UNIT 4 DOCK OFFICE
A7.2 1/8" = 1'-0"



3 RCP - UNITS 2 & 3 DOCK OFFICE
A7.2 1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

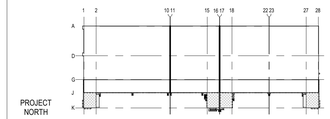
1. REFER TO FLOOR PLAN FOR PARTITION TYPES TO DETERMINE THOSE EXTENDING TO THE UNDERSIDE OF STRUCTURE.
2. PROVIDE ADDITIONAL SUPPORTS FOR FLEXIBLE CONDUITS AND FLEXIBLE DUCTS TO AVOID CONTACT WITH FINISH CEILING MATERIALS.
3. PROVIDE ADDITIONAL HANGER WIRES AT EACH CORNER OF EACH LAY-IN FIXTURE.
4. SPRINKLER HEADS ARE TO BE CENTERED IN LAY-IN CEILING TILE.
5. APPLY TWO COMPLETE WRAPS OF 1" WIDE RED REFLECTIVE TAPE (CUT END TO DIRECTLY BELOW EACH CUT-OFF VALVE).
6. CEILING HEIGHTS TO BE 10'-0" A.F.F. UNLESS NOTED OTHERWISE.
7. EXPOSED STRUCTRUE AND DECK TO BE PAINT FLAT BLACK.

CEILING LEGEND

XX' - 00"	CEILING HEIGHT. UNLESS OTHERWISE NOTED
	ACT - 2' X 2' LAY-IN ACOUSTICAL CEILING TILES IN 2' X 2'. CEILING GRID.
	GYPSUM WALL BOARD CEILING.
	2 X 4 FLUORESCENT LAY-IN FROFFER LIGHT FIXTURE. SEE ELECTRICAL
	SUSPENDED STRIP LED LIGHT FIXTURE. SEE ELECTRICAL
	EXIT SIGN (ARROW INDICATES DIRECTIONAL SIGNAGE)
	RETURN GRILL - SEE MECHANICAL
	SUPPLY GRILL - SEE MECHANICAL
	EXHAUST GRILL - SEE MECHANICAL

KEYNOTES - RCP

#	DESCRIPTION
1	ACT - 2' X 2' LAY -IN ACOUSTICAL CEILING TILE.
2	GYMSUM BOARD
3	OPEN TO STRUCTURE



KEYPLAN

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title
ENLARGED RCP OFFICE SUITES

sheet
A7.2