Wawa MARKET

25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

STORE #8216

U45FB-R v2025.Q1 C

CUSTOMIZATION LEVEL: C (0)

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PROJECT INFORMATION

JURISDICTION

BUCKS COUNTY, PENNSYLVANIA
3 MUNICIPAL WAY
LANGHORNE, PA 19047

CODE INFORMATION

BUILDING	INTERNATIONAL BUILDING CODE (2018)	OCCUPANCY CLASSIFICATION (SECTION 309):
PLUMBING	INTERNATIONAL PLUMBING CODE (2018)	M - MERCANTILE
MECHANICAL	INTERNATIONAL MECHANICAL CODE (2018)	CONSTRUCTION TYPE (SECTION 602.5): V-B
A ELECTRICAL	NFPA 70-2046 NATIONAL ELECTRIC CODE (2018)	UNSPRINKLERED
ENERGY	INTERNATIONAL ENERGY CONSERVATION CODE(2018); ASHRAE 90.1-2016	
FUEL GAS:	INTERNATIONAL FUEL GAS CODE (2018)	
FIRE PREVENTION	INTERNATIONAL FIRE CODE (2018)	
ACCESSIBILITY	INTERNATIONAL BUILDING CODE (2018) CH 11 & APPENDIX E; ANSI A117.1-2009	

	TABLE 601 FIRE RESISTANCE RATING REQUIRED	PROVIDED
STRUCTURAL FRAME	0 HR	0 HR
EXTERIOR BEARING WALLS	0 HR	0 HR
EXTERIOR NON-BEARING WALLS	0 HR	0 HR
INTERIOR BEARING WALLS	0 HR	0 HR
INTERIOR NON-BEARING WALLS	0 HR	0 HR
ROOF CONSTRUCTION	0 HR	0 HR
CORRIDORS	0 HR	0 HR
COLUMNS	0 HR	0 HR

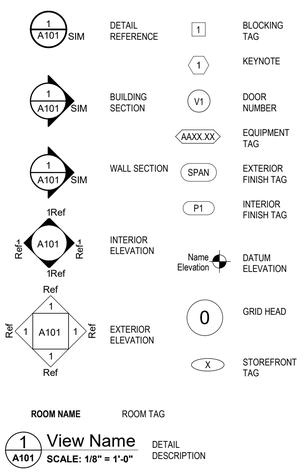
BUILDING AREA AND OCCUPANT LOAD CALCULATIONS

	ALLOWABLE	PROVIDED	SF / PERSON	OCCUPANT LOAD
INTERIOR, MERCANTILE SPACES (GROUP M):		2,358 SF	60(IBC)/30(NFPA)	41
INTERIOR, ACCESSORY SPACES (GROUP B / GROUP S-2):		1,978 SF	150/200/300	17
TOTAL FOR BUILDING - UNDER A/C:		4,336 SF		41
EXTERIOR, SEATING AREA - FIXED SEATS (303.1.2):		0 SF		
EXTERIOR, AREA UNDER OVERHANG:		459 SF		
TOTAL GROSS AREA (TABLE 506.2):	9000 SF	4,797 SF		
OCCUPANCY LOAD (TABLE 1004.1.2)				58
BUILDING HEIGHT (TABLE 504.3):	40'-0"	33'-4" T.O.R.		

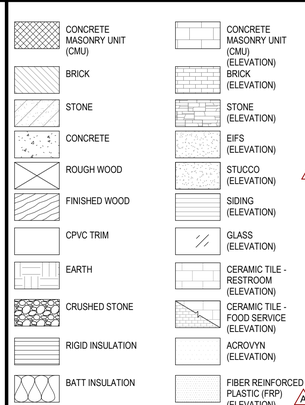
PLUMBING FIXTURE DATA (TABLE 403.1)	REQUIRED	PROVIDED
WATER CLOSET/URINALS (1 PER 500 EA. M & F)	1 EA. M & F	2M & 2F
LAVATORIES (1 PER 750 EA. M & F)	1 EA. M & F	1M & 1F
DRINKING FOUNTAINS (1 PER 1,000)	*	*

(*) DRINKING WATER AND CUPS ARE PROVIDED FREE OF CHARGE AT THE COKE FREESTYLE MACHINEM SEE 10/AC1.0

SYMBOLS LEGEND



MATERIALS LEGEND



ARCHITECT

ARCHITECT AECOM
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
A.O.R ABIGAIL BENJAMIN
CONTACT ABIGAIL BENJAMIN
PHONE 973-883-8570

ELECTRICAL ENGINEER

ELECTRICAL ENGINEER AECOM
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
E.O.R FRANK CONSTANTINOPLE
CONTACT FRANK CONSTANTINOPLE
PHONE 973-883-8601

STRUCTURAL ENGINEER

STRUCTURAL ENGINEER AECOM
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
E.O.R MOHAMED YOUSEF
CONTACT MOHAMED YOUSEF
PHONE 973-883-8573

PLUMBING ENGINEER

PLUMBING ENGINEER AECOM
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E.O.R FRANK CONSTANTINOPLE
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PHONE 973-883-8601

MECHANICAL ENGINEER

MECHANICAL ENGINEER AECOM
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
E.O.R FRANK CONSTANTINOPLE
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PHONE 973-883-8601

FOR ALL A/E CORRESPONDENCE EMAIL:
WawaNewStores@aecom.com

BUILDING AUTOMATION SYSTEM (BAS) GENERAL CONTRACTOR TO INSTALL WATER METER(S) FOR B.A.S. PER PLUMBING DRAWINGS P5.0, AND PROVIDE UNDERGROUND CONDUIT TO EQUIPMENT #C3.2 SHOWN ON DRAWING EQ1.0 B.A.S. REFRIGERATION COMPANY INSTALLERS SHALL SUPPLY AND INSTALL B.A.S. AND CENTRAL WIRING PER CURRENT EDITION OF "BUILDING AUTOMATION SYSTEM NEW STORES B.A.S. MASTER SPECS" BY HVAC CONCEPTS INC. AND AVAILABLE IN PROJECT FOLDER. C

AECOM
AECOM Services of PA, Inc.
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
COVER SHEET

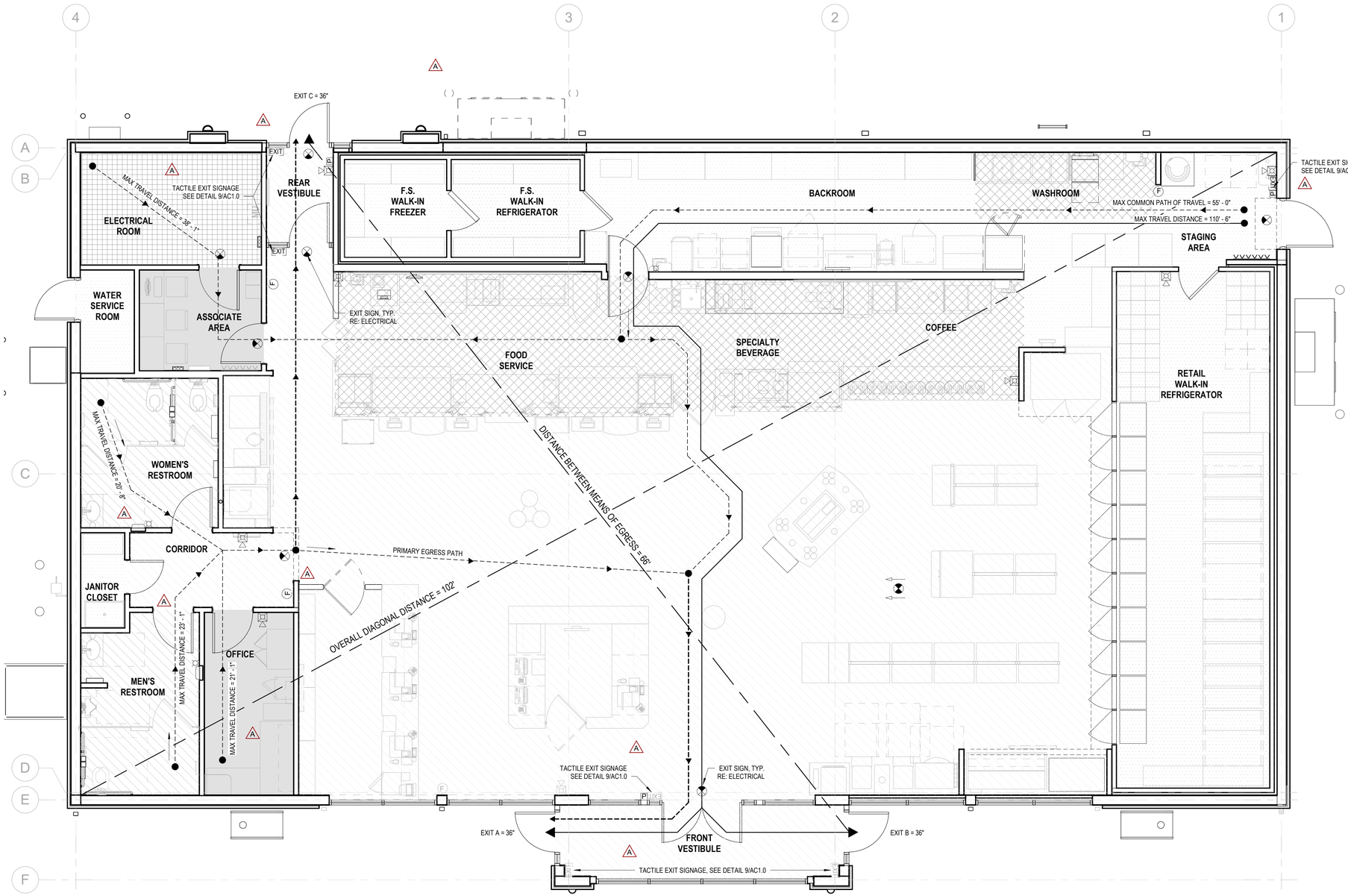
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE U45FB-R v2025.Q1
PROJECT NO. 60659612
DRAWN CH
CHECKED AB

8216
UPPER SOUTHAMPTON, PA

Wawa

A0



1 LS1.0 LIFE SAFETY PLAN
1/4" = 1'-0"

GENERAL NOTES

1. EXTERIOR OVERHANG AREA & OCCUPANCY LOAD SHALL BE AS SHOWN ON SHEET CS. AREA COMPLIES WITH (2018) IBC CHAPTER 3, SECTION 303.1.2. SMALL ASSEMBLY SPACES, ITEM (1) AND IS CLASSIFIED AS PART OF THE MERCANTILE OCCUPANY.
2. FIRE EXTINGUISHERS WILL BE PROVIDED BY THE OWNER IN ACCORDANCE WITH NFPA 10. FINAL FIRE EXTINGUISHER TYPE AND LOCATIONS TO BE APPROVED BY THE FIRE OFFICIAL PRIOR TO OCCUPANY.

EGRESS DATA

NEW MERCANTILE, UNSPRINKLERED
OCCUPANT LOAD = 58

OCCUPANCY LOAD CALCULATIONS (IBC TABLE 1004.5)

FUNCTION OF SPACE	AREA	OCC. / SF	OCC. LOAD
BUSINESS			
ASSOCIATE AREA	69 SF	150	1
OFFICE	91 SF	150	1
KITCHEN, COMMERICAL			
COFFEE	119 SF	200	1
FOOD SERVICE	271 SF	200	2
SPECIALTY BEVERAGE	125 SF	200	1
WASHROOM	50 SF	200	1
MECHANICAL EQUIPMENT ROOM			
ELECTRICAL ROOM	114 SF	300	1
WATER SERVICE ROOM	31 SF	300	1
MERCANTILE			
CORRIDOR	63 SF	60	2
FRONT VESTIBULE	116 SF	60	2
MEN'S RESTROOM	115 SF	60	2
REAR VESTIBULE	35 SF	60	1
RETAIL AREA	1911 SF	60	32
WOMEN'S RESTROOM	115 SF	60	2
STORAGE AREA			
BACKROOM	368 SF	300	2
F.S. WALK-IN FREEZER	69 SF	300	1
F.S. WALK-IN REFRIGERATOR	85 SF	300	1
JANITOR CLOSET	23 SF	300	1
RETAIL WALK-IN REFRIGERATOR	488 SF	300	2
STAGING AREA	75 SF	300	1
	4334 SF		58

EGRESS CAPACITY:

MINIMUM EGRESS CAPACITY (IBC 1005.3.2)
REQUIRED = 11.6" (OCCUPANT LOAD MULTIPLIED BY 0.2 OR MIN. CLEAR DOOR WITH AS REQUIRED BY CODE)
PROVIDED = 108" (EXIT A = 36", EXIT B = 36", EXIT C= 36")

ARRANGEMENT OF EXITS

SEPARATION DISTANCE (IBC 1007) *AT LEAST TWO EXITS SHALL HAVE A MINIMUM SEPARATION NOT LESS THAN ONE-HALF OF THE OVERALL LENGTH OF THE SPACE.*
OVERALL DIAGONAL DISTANCE = 102' - 0"
MIN. REQ'D DISTANCE BETWEEN EXITS = 51' - 0" (102/ 2)
PROVIDED DISTANCE BETWEEN EXITS = 67' - 0"

TRAVEL DISTANCES

MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY M, UNSPRINKLERED = 200' - 0" (IBC 1017.2)
ACTUAL LONGEST TRAVEL DISTANCE = 98' - 5"

MAXIMUM COMMON PATH OF TRAVEL ALLOWED = 75' - 0"(TABLE 1006.2.1)
ACTUAL MAXIMUM COMMON PATH OF TRAVEL = 67' - 2"

EMERGENCY SIGNAGE AND LIGHTING

1. REFER TO SHEER ELECTRICAL DWG FOR EMERGENCY LIGHTING AND EXIT SIGN LOCATION.
2. EXIT LIGHTS ARE TO BE MOUNTED AT THE GREATEST HEIGHT ALLOWABLE AND IN COMPLIANCE WITH CODES, EXIT LIGHTS LEADING FROM THE SALES FLOOR SHALL BE VISIBLE ABOVE STOCK AISLES.

FINISH CLASSIFICATIONS

1. CLASS A FINISHES AT EXIT ENCLOSURES & EXIT PASSAFEWAYS (FLAME SPREAD 0-25 ; SMOKE DEVELOPMENT 0-450)
2. CLASS B FINISHES AT CORRIDORS (FLAME SPREAD 26-75 ; SMOKE DEVELOPMENT 0-450)
3. CLASS C FINISHES AT ROOMS AND ENCLOSED SPACES (FLAME SPREAD 76-200 ; SMOKE DEVELOPMENT 0-450)

LIFE SAFETY LEGEND

- BUSINESS
- KITCHEN, COMMERCIAL
- MECHANICAL EQUIPMENT ROOM
- MERCANTILE
- STORAGE

- (F) FIRE EXTINGUISHER RE: 13/A11.3
- EXIT TACTILE BRAILLE SIGN. STATING "EXIT". COMPLYING WITH ICC/ANSI A117.1. SEE DETAIL 9/AC1
- EX EXIT SIGNAGE RE: ELECTRICAL
- FACP FIRE ALARM CONTROL PANEL
- K KNOX BOX - CONFIRM EXACT LOCATION WITH AHJ.
- FIRE ALARM HORN/STROBE ANNUN.
- PRIMARY EGRESS PATH
- MAX COMMON PATH OF TRAVEL
- MAX. TRAVEL DISTANCE

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST PIKE
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SHEET TITLE
LIFE SAFETY PLAN

RELEASE	DATE
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PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60659812
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

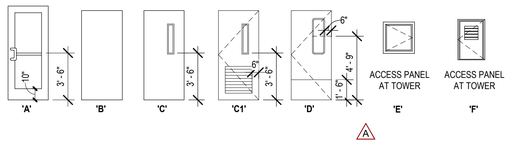
Wawa

LS1.0

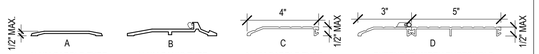
DOOR GENERAL NOTES

1. DOOR #'S SHOWN IN DOOR SCHEDULE ARE TYPICAL FOR WAWA STORES. VERIFY QUANTITIES AND WHICH DOORS ARE REQUIRED AS INDICATED IN FLOOR PLAN.
2. SEE STOREFRONT MFR. SPECIFICATIONS FOR VESTIBULE DOORS. DOORS ARE TO BE KEYED ALIKE WITH THUMB LATCH AND CLOSER AT ALL DOORS.
3. ALL EXTERIOR HOLLOW METAL DOORS SHALL BE INSULATED DOORS.
4. RUN CONTINUOUS BEAD OF CLEAR SILICONE CAULK AROUND ALL DOOR FRAMES.
5. EXIT DOOR LOCKS, IF PROVIDED ON EGRESS DOORS, SHALL NOT REQUIRE THE USE OF A KEY, A TOOL, OR SPECIAL KNOWLEDGE OR EFFORT FOR OPERATION FROM THE EGRESS SIDE IN ACCORDANCE WITH IBC 2018 1010.1.9 (AS APPLICABLE).
6. A LATCH OR OTHER FASTENING DEVICE ON AN EGRESS DOOR SHALL BE PROVIDED WITH A KNOB, HANDLE, PANIC BAR, OR OTHER SIMPLE TYPE OF RELEASING DEVICE HAVING AN OBVIOUS METHOD OF OPERATION UNDER ALL LIGHTING CONDITIONS, DOORS SHALL BE OPERABLE WITH NO MORE THAN ONE RELEASING OPERATION PER IBC 2018 1010.1.9.5 (AS APPLICABLE).
7. REFER TO HARDWARE SCHEDULE IN THE SPECIFICATION MANUAL.
8. ALL GLAZING IN DOORS & SIDELIGHTS SHALL MEET THE REQUIREMENTS FOR SAFETY GLAZING AS REQUIRED IN IBC 2018 - SECTION 2406
9. HARDWARE HEIGHTS : HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON DOORS SHALL BE INSTALLED, 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISHED FLOOR.
10. ACROVYN DOORS SHALL BE INSTALLED IN H.M. FRAMES PER SPECIFICATIONS. THE DOORS SHALL HAVE ACROVYN COVERING FACTORY APPLIED. FRAMES SHALL BE PAINTED AS SCHEDULED SEE INTERIOR ELEVATIONS.
11. ALL FRAMES FOR ACROVYN DOORS SHALL BE CECO DOOR PRODUCTS, NO SUBSTITUTIONS. H.M. FRAMES FOR ACROVYN DOORS SHALL BE PROVIDED BY WILLIAM MCAULIFFE. III ACH. SEE SPECIFICATIONS.
12. THRESHOLD 'A' NOT TO EXCEED 1/2" HIGH INSTALLED.
13. ALL DOORS, INTERIOR AND EXTERIOR SHOULD BE FULLY WELDED-NO K.D. FRAMES. ADD WOOD BLOCKING AROUND THE FRAMES. SEE DETAIL 10 & 11/A11.1
14. VISION PANEL DIMENSIONS CORRESPOND TO VISIBLE LIGHT DIMENSIONS. CONTRACTOR TO COORDINATE REQUIRED GLASS SIZE AND ROUGH OPENING WITH DOOR MANUFACTURER.
15. ALL DOORS SERVING SPACES REQUIRED TO BE ACCESSIBLE, SHALL BE PROVIDED WITH OPERABLE PARTS THAT SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM.

DOOR PANEL TYPES



DOOR THRESHOLDS



ALUM SADDLE TYPE (SET IN BED OF CAULK) — ALUM PANIC TYPE — ALUM SADDLE TYPE (SET IN BED OF CAULK) — EXTENDED WIDTH THRESHOLD

DOOR SCHEDULE

#	W	HT	THK	DOOR TYPE	DOOR MAT'L	FRM TYPE	THR'D	HDW SET	REMARKS	PUSH HW	KICK PLATE PUSH	KICK PLATE PULL	MANUFACTURER	CONTACT
AP2	2'-0"	3'-0"	2 1/4"	F	ALUM A	-	-	HW15	BABCOCK DAVIS XTT INSULATED TOWER ACCESS PANEL/DOOR, COLOR TO MATCH EXISTING FINISHES, FURNISHED BY WAWA, INSTALLED BY G.C.	-	-	-		CONTACT: BILL MCAULIFFE PHONE: 610-825-3001 EMAIL: BILL@MCAULIFFEINC.COM
AP3	2'-0"	2'-0"	2 1/4"	E	ALUM	ALUM	-	HW15.2	BABCOCK DAVIS BNT - CUSTOM HARDWARE CONFIGURATION	-	-	-	NYSTROM	CONTACT: BILL MCAULIFFE PHONE: 610-825-3001 EMAIL: BILL@MCAULIFFEINC.COM B
C6	2'-6"	6'-8"	1 3/4"	B	HM	HM	-	HW14.6	SEE NOTES 10 & 11	LOCKSET	16"X30"	-		CONTACT: BILL MCAULIFFE PHONE: 610-825-3001 EMAIL: BILL@MCAULIFFEINC.COM
CO A	3'-0"	7'-0"	1 3/4"	B	HM	HM	D	HW9	SEE DETAIL 9/A11.0	-	-	-	CECO	
D1	3' - 6"	7'-0"	1 3/4"	C	HM	HM	A	HW10	4"X25" SAFETY GLASS VISION PANEL. SEE DETAIL 15/A8.0	PANIC BAR	36"X46"	-	CECO	CONTACT: BILL MCAULIFFE PHONE: 610-825-3001 EMAIL: BILL@MCAULIFFEINC.COM
EL	3'-0"	6'-8"	1 3/4"	C1	HM	HM	C	HW13	4"X25" SAFETY VISION PNL. SEE DETAIL 6/A11.0	PANIC BAR	16"X34"	16"X34"	CECO	CONTACT: BILL MCAULIFFE PHONE: 610-825-3001 EMAIL: BILL@MCAULIFFEINC.COM
OF	3'-0"	6'-8"	1 3/4"	C	HM	HM	-	HW12	4"X25" ONE-WAY SAFETY GLASS VISION PANEL	LOCKSET	16"X34"	39"X34"	CECO	CONTACT: BILL MCAULIFFE PHONE: 610-825-3001 EMAIL: BILL@MCAULIFFEINC.COM
PT	3'-0"	6'-8"	1 3/4"	B	HM	HM	-	HW7	SEE NOTES 10 & 11. SEE DETAIL 11/A11.1	24"X24	16"X34"	16"X35"	CECO	CONTACT: BILL MCAULIFFE PHONE: 610-825-3001 EMAIL: BILL@MCAULIFFEINC.COM
R	3'-0"	6'-9"	2"	REF.	INSUL PNL	INSUL PNL	-	-	BY REFRIGERATION COMPANY	-	-	-	KPS	
R1	3'-0"	6'-9"	4"	REF.	INSUL PNL	INSUL PNL	-	-	BY REFRIGERATION COMPANY	-	-	-	KPS	
R2	3'-0"	6'-9"	2"	REF.	INSUL PNL	INSUL PNL	-	-	BY REFRIGERATION COMPANY	-	-	-	KPS	
TC3 B	3'8"	7'-0"	1 3/4"	B	HM B	HM	-	HW17.3	4" HEAD. SEE SHEET A1 FOR DOOR NOTES		-	-	CECO	CONTACT: BILL MCAULIFFE PHONE: 610-825-3001 EMAIL: BILL@MCAULIFFEINC.COM
V1	3'-1/4"	7'-0"	1 3/4"	A	ALUM	ALUM	C	-	NO HOLD OPENS. HARDWARE BY DOOR SUPPLIER. SEE SPECS FOR HARDWARE	PUSH BAR	-	-	KAWNEER	PHONE: 317-771-9263 EMAIL: CHERYL.WILKERSON@ALCOA.COM
V2	(2) 3'-0"	7'-0"	1 3/4"	A	ALUM	ALUM	C	-	NO HOLD OPENS, PUSH ONLY. HARDWARE BY DOOR SUPPLIER. SEE SPECS FOR HARDWARE	-	-	-	KAWNEER	PHONE: 317-771-9263 EMAIL: CHERYL.WILKERSON@ALCOA.COM
V3	3'-0"	7'-0"	1 3/4"	A	ALUM	ALUM	C	-	NO HOLD OPENS. HARDWARE BY DOOR SUPPLIER. SEE SPECS FOR HARDWARE	PUSH BAR	-	-	KAWNEER	PHONE: 317-771-9263 EMAIL: CHERYL.WILKERSON@ALCOA.COM
W1	3'-0"	6'-8"	1"	D	WD/PLAM	HM	-	HW3.1	DOUBLE ACTING HIGH PRESSURE LAMINATE TRAFFIC DOOR. 9"X30" ADA VISION PANEL. MODEL #SCP-8, COLOR: FOG IN CASED OPENING	-	18"X34"	18"X34"	ELIASON	PHONE: 800-828-3655 EMAIL: DOORS@ELIASONCORP.COM
W2	2'-0"	3'-0"	2 1/4"	F	ALUM	-	-	HW15	BABCOCK DAVIS XTT INSULATED TOWER ACCESS PANEL/DOOR, COLOR TO MATCH EXISTING FINISHES, FURNISHED BY WAWA, INSTALLED BY G.C.	- A	-	-		
W3	2'-0"	3'-0"	2 1/4"	F	ALUM	-	-	HW15	BABCOCK DAVIS XTT INSULATED TOWER ACCESS PANEL/DOOR, COLOR TO MATCH EXISTING FINISHES, FURNISHED BY WAWA, INSTALLED BY G.C.	-	-	-	C	
W5	3'-0"	6'-8"	1 3/4"	C	HM	HM	-	HW3.5	4"X25" ONE-WAY VISION GLASS. SEE NOTES 10 & 11.SEE DETAIL 11/A11.1	8"X16"	16"X34"	16"X35"	CECO	CONTACT: BILL MCAULIFFE PHONE: 610-825-3001 EMAIL: BILL@MCAULIFFEINC.COM

B — A

DOOR HARDWARE SCHEDULE

	DESCRIPTION	MODEL NUMBER	FINISH	MANUFACTURER
HW #3.1				
	* NOTE: W1 DOOR IS ELIASON DOOR. HINGE: ELIASON EASY SWING HINGE SYSTEM MATERIAL: ZINC PLATED STEEL			
HW #3.5				
H002	2 CONTINUOUS HINGE	HD1100A 83" 1/2" WOOD SCREWS CUT TO NET LENGTH	-	NATIONAL GUARD (NA)
F032	2 PUSH PLATE	70F 8 X 16	US32D	ROCKWOOD (RO)
F033	2 PULL PLATE	106 X 70C	US32D	ROCKWOOD (RO)
C003	2 CLOSER	1461 H	AL	LCN CLOSERS (LC)
F008	2 PROTECTION PLATE	K1050 16" x 34"	US32D	ROCKWOOD (RO)
F009	2 PROTECTION PLATE	K1050 16" x 35"	US32D	ROCKWOOD (RO)
S007	2 WALL STOP	409	US32D	ROCKWOOD (RO)
M015	6 DOOR SILENCER	608-RKW	GRAY	ROCKWOOD (RO)
HW #7				
H002	1 CONTINUOUS HINGE	HD1100A 83" 1/2" WOOD SCREWS CUT TO NET LENGTH	-	NATIONAL GUARD (NA)
F010	1 PULL PLATE	103S-3 4	630	TRIMCO (TR)
F011	1 PUSH PLATE	K1050 24" X 24" CSK	US32D	ROCKWOOD (RO)
C006	1 CLOSER	4011 REGARM	AL	LCN CLOSERS (LC)
F008	1 PROTECTION PLATE	K1050 16" x 34"	US32D	ROCKWOOD (RO)
F009	1 PROTECTION PLATE	K1050 16" x 35"	US32D	ROCKWOOD (RO)
S007	1 WALL STOP	409	US32D	ROCKWOOD (RO)
M015	3 DOOR SILENCER	608-RKW	GRAY	ROCKWOOD (RO)
HW #9				
H001	1 CONTINUOUS HINGE	HD1100A 83"	-	NATIONAL GUARD (NA)
L008	1 DEADLOCK	B660T ICX	626	SCHLAGE (SC)
A001	1 INTERCHANGEABLE CORE	23-030 C145 KEYWAY MK	626	SCHLAGE (SC)
F031	1 DOOR PULL	130-RKW	US26D	ROCKWOOD (RO)
S002	1 OVERHEAD HOLDER	8-326	630	RIXON (RX)
W004	1 GASKETING	120 NA 1 X 36" 2 X 84"	-	NATIONAL GUARD (NA)
W006	1 DOOR SWEEP	102 VA 36"	-	NATIONAL GUARD (NA)
W011	1 EXTENDED WIDTH THRESHOLD	355 X 322 X 4N 40"	AL	MH01
HW #10				
H001	1 CONTINUOUS HINGE	HD1100A 83"	-	NATIONAL GUARD (NA)
E002	1 EXIT DEVICE	22NL X 210NL 425-SNB (QTY-2) 48" LESS 299 STRIKE	SP28	VON DUPRIN (VO)
A001	1 INTERCHANGEABLE CORE	23-030 C145 KEYWAY MK	626	SCHLAGE (SC)
A002	1 CYLINDER	20-057 ICX	626	SCHLAGE (SC)
G002	1 ELECTRIC STRIKE	6111 24VDC FSE	US32D	VON DUPRIN (VO)
C001	1 CLOSER	1461 HCUSH TBSRT	AL	LCN CLOSERS (LC)
F012	1 PROTECTION PLATE	K1050 35" X 46"	US32D	ROCKWOOD (RO)
W001	1 GASKETING	120 NA 1 X 48" 2 X 84"	-	NATIONAL GUARD (NA)
W002	1 DOOR SWEEP	102 VA 48"	-	NATIONAL GUARD (NA)
W003	1 SADDLE THRESHOLD	410 48"	AL	NATIONAL GUARD (NA)
HW #12				
H006	3 HINGE	BB1279 4 1/2 X 4 1/2	US26D	HAGER (HA)
L003	1 PUSHBUTTON LOCKSET	L1021S-41	26D	SIMPLEX (SX)
A001	1 INTERCHANGEABLE CORE	23-030 C145 KEYWAY MK	626	SCHLAGE (SC)
F008	1 PROTECTION PLATE	K1050 16" X 34"	US32D	ROCKWOOD (RO)
F009	1 PROTECTION PLATE	K1050 16" X 35"	US32D	ROCKWOOD (RO)
S007	1 WALL STOP	409	US32D	ROCKWOOD (RO)
M015	3 DOOR SILENCER	608-RKW	GRAY	ROCKWOOD (RO)
HW #13				
H006	3 HINGE	BB1279 4 1/2 X 4 1/2	US26D	HAGER (HA)
L009	1 PUSHBUTTON LOCKSET	L1021S-41	26D	SIMPLEX (SX)
A001	1 INTERCHANGEABLE CORE	23-030 C145 KEYWAY MK	626	SCHLAGE (SC)
E004	1 EXIT DEVICE	22L (LESS 0/S TRIM)	SP28	VON DUPRIN (VO)
C008	1 CLOSER	1461 RWPA	AL	LCN CLOSERS (LC)
M015	3 DOOR SILENCER	608-RKW	GRAY	ROCKWOOD (RO)
HW #14.6				
H002	1 CONTINIOUS HINGE	HD1100A 83" 1/2 WOOD SCREWS CUT TO NET LENGTH	-	NATIONAL GUARD (NA)
L010	1 LOCKSET	ALX53T RHO ICX	26D	SCHLAGE (SC)
A001	1 INTERCHANGEABLE CORE	23-030 C145 KEYWAY MK	626	SCHLAGE (SC)
S004	1 OVERHEAD HOLDER	8-226	630	RIXSON (RX)
F013	1 PROTECTION PLATE	K1050 16" X 30"	US32D	ROCKWOOD (RO)
M015	3 DOOR SILENCER	608-RKW	GRAY	ROCKWOOD (RO)
HW #15				
W013	1 DRIP CAP	16 A 40"	-	NATIONAL GUARD (NA)
M004	1 ACCESS DOOR	XTT 2436 24" X 36"	-	BABCOCK DAVIS (BD)
HW #15.2				
M006	1 ACCESS DOOR	NTC 3624 36" X 24"	-	BABCOCK DAVID (BD)
HW #17.3				
H001	2 CONTINUOUS HINGE	HD1100A 83"	-	NATIONAL GUARD (NA)
L003	2 PUSHBUTTON LOCKSET	L1021S-41	26D	SIMPLEX (SX)
A001	2 INTERCHANGEABLE CORE	23-030 C145 KEYWAY MK	626	SCHLAGE (SC)
S005	2 OVERHEAD HOLDER	8-526	630	RIXSON (RX)
M0015	6 DOOR SILENCER	608-RKW	GRAY	ROCKWOOD (RO)

A

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25-SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
DOOR SCHEDULE

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60659612
DRAWN	RG
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

A0.4

INTERIOR FINISH SCHEDULE

TAG	MATERIAL	MANUFACTURER	COLOR	REMARKS	NOTES	SUPPLIED BY	CONTACT
BASE							
RB1	WALL BASE	JOHNSONITE	RUBBER BASE (COVED), BLACK 40	CLASS "A" - 4"	4'-0" STRAIGHT LENGTHS WITH TOE (COVED). PRE-MANUFACTURED INSIDE AND OUTSIDE CORNERS WITH 4" RETURNS. ADHESIVE: TARKETT 960 COVE BASE ADHESIVE (POROUS SURFACES) OR TARKETT 946 PREMIUM CONTACT ADHESIVE (NON-POROUS SURFACES) APPLIED PER MANUFACTURER'S STANDARD RECOMMENDATION AND INSTALLATION INSTRUCTIONS.	HJC	B
RB3	FRP BASE	MARLITE	P200 BLACK	CLASS "C" - 4"	PROVIDE AS BASE ALONG SOLID VESTIBULE WALLS	HJC	CONTACT: LAURA HESCOCK PHONE: 973-929-8307
RB5	COVE BASE	SCHLUTER SYSTEMS	DILEX-AHKA 80AE STAIN ANODIZED ALUMINUM	CLASS "A" - 3/8"	WILL NEED CONNECTORS: 2-WAY INSIDE CORNERS AND ENDCAPS. PROVIDE AS COVE BASE AT TILE WALLS	HJC	
CEILING							
ACT1	ACOUSTICAL CEILING TILE	ARMSTRONG	COLOR: WHITE	HEALTH ZONE ULTIMA #1935	SQUARE LAY-IN 24"x24"x3/4" (SCRUBBABLE) ARMSTRONG PRELUDE 15/16" EXPOSED TEE SYSTEM, COLOR WHITE. SEE SPECIFICATIONS.	HJC	
ACT2	ACOUSTICAL CEILING TILE	ARMSTRONG	COLOR: WHITE	#770 CORTEGA	SQUARE LAY-IN 24"x24"x3/4" ARMSTRONG PRELUDE 15/16" EXPOSED TEE SYSTEM, COLOR WHITE. SEE SPECIFICATIONS.	HJC	
FLOORS							
EPX2	CONC. SEALER	SHERWIN WILLIAMS	CLEAR, WATER BASED	SEE SPECS	SEE MFR. SPECS, USE ON CONCRETE FLOOR @ TRASH COMPOUND, ELECTRICAL ROOM, AND METER ROOM.	G.C.	
M1	ENTRY MAT	MILLIKEN & COMPANY OBEX TILE - CUTXTHREAD	DARK GRAY	QUARTER TURN 0.50" THICK	INTERIOR MAT OVER TERRAZO, PROVIDED AND INSTALLED BY G.C.	G.C.	CONTACT: MELISSA VITELLO, PHONE: 215-287-4021 EMAIL: MELISSA.VITELLO@MILLIKEN.COM
M2	MAT	ECORE COMMERCIAL FLOORING	BLACK HAWK DOWN #2621	INTERLOCKING TILES	INSTALLED OVER TERRAZZO WITH ACCESSIBLE COMPLIANT REDUCER STRIP. AT CHECKOUT.	G.C.	CONTACT :APORTER@ECOREINTL.COM, PHONE: 330-612-4538
POLY3	POLYASPARTIC	PERMAFLOOR	960 NAVAJO BEIGE 20% F9958 ALPACA WHITE 20%F9801 DOLPHIN 10%F 1060 BROWN 10% F182- WHITE 10% M1010-4 SILVER	CLASS "A"	SUPPLIED AND INSTALLED BY WAWA VENMDOR; GC TO COORDINATE	WAWA	CONTACT: HOWARD ACKERMAN PHONE: 609-929-4544; EMAIL: HOWARD@PERMAFLOOR.COM
T1	TERRAZZO	- C	5% PHILLY RED #2 30% W20 PURE WHITE 10% W80 GA WHITE #1 10% C33 BOSTON CREME #1 10% G47 MOCHA #1 5% G47 MOCHA #2 10% C40 CHOCOLATE #1 5% C40 CHOCOLATE #2 10% MOP #3 5% B40 CANADIAN BLACK #2 TYPE II GRAY CEMENT 2 OS. BLACK PER BAG CEMENT	1/2" THICK	ALL FLOOR AREAS EXCEPT RESTROOMS & FREEZERS U.N.O.	G.C.	
PAINT							
EPX1	CONC. SEALER	SHERWIN WILLIAMS	EPOXY WALL FINISH	SW7008 ALABASTER	PRIOR TO FINISH COAT PROVIDE PROINDUSTRIAL HEAVY DUTY BLOCK FILLER #B42-150 @ TRASH COMPOUND	G.C.	
P2	PAINT	SHERWIN WILLIAMS	SW 7073 NETWORK GRAY	CLASS "A" SEMI-GLOSS	FOR ELECTRICAL ROOM WALLS PRIMER/SEALER AND FINISH COAT AS SPECIFIED. TO BE USED AT GWB CEILINGS	G.C.	
P8	PAINT	SHERWIN WILLIAMS	SW 7066 GRAY MATTERS	CLASS "A" SEMI-GLOSS	TO BE USED AT ACRS DOOR FRAMES	G.C.	
P10	PAINT	SHERWIN WILLIAMS	SW6258 TRICORN BLACK	CLASS "A" EGGSHELL	FOR BACK WALL OF CIGARETTE SHELVING GYPSUM BOARD WALLS PRIMER/SEALER AND FINISH COAT AS SPECIFIED.	G.C.	
P11	PAINT	SHERWIN WILLIAMS	SW7035 AESTHETIC WHITE	CLASS "A" EGGSHELL	TO BE USED ABOVE TILE FINISH AND CEILING WITHIN THE RESTROOMS	G.C.	
P12	PAINT	SHERWIN WILLIAMS	SW7063 NEBULOUS WHITE	CLASS "A" EGGSHELL	GYP BD WALLS & BTMS OF SOFFITS, U.N.O. PRIMER/SEALER AND FINISH COAT AS SPECIFIED.	G.C.	
WALLS							
ACRF	ACROVYN	CONSTRUCTION SPECIALTIES	FOLKSTONE	CLASS "0.060" 48"X96" SHEET	USE AT DOORS AND WALLS AS NOTED. SUEDE TEXTURE. APPLY SHEETS VERTICALLY. TRIM TO MATCH. FOR WALLS	G.C.	CONTACT: 888-331-2031, EMAIL: KSEARS@C-SGROUP.COM
ACRS	ACROVYN	CONSTRUCTION SPECIALTIES	#410 BRUSHED SILVER, SUEDE TEXTURE	CLASS "0.060" 48"X96" SHEETS	USED AT DOORS, AS NOTED. TRIM TO MATCH. FOR DOORS, CONTACT: WILLIAM MCAULIFFEE III (SEE SPECIFICATIONS)	G.C.	CONTACT: 888-331-2031, EMAIL: KSEARS@C-SGROUP.COM
CT5	CERAMIC TILE	FLORIDA TILE	TRIBECA TAUPE. NY250	CLASS"A" 12"x24", 1/8" GROUT JOINT FLUSH WITH TILE. STACK BOND	RESTROOM WALLS. GROUT: LATICRETE SPECTRALOCK PRO PREMIUM EPOXY (SANDED), COLOR #40 LATTE. LATICRETELATASIL SILICONE SEALANT TO BE USED AT INNER CORNERS & PERIMETERS. CORNERS: SCHLUTER STRIP, COLOR: BRUSHED CHROME ANODIZED.	HJC	
CT7	CERAMIC TILE	FLOOR & DECOR	ARTISAN FROST	3"X12", 1/8" GROUT JOINT, 1/2" RUNNING BOND PATTERN	TO BE USED AT RETAIL AREA, GROUT: LATICRETE SPECTRAL LOCK PRO PREMIUM EPOXY. COLOR: #78 STERLING SILVER. LATICRETE LATASIL SILICONE SEALANT TO BE USED AT INNER CORNERS & PERIMETERS, CORNERS: SCHLUTER STRIP, COLOR: SATIN NICKLE.	HJC	
CT8	CERAMIC TILE	FLOOR & DECOR	ARTISAN MIST	3"X12", 1/8" GROUT JOINT, 1/2" RUNNING BOND PATTERN	TO BE USED AT RETAIL AREA. GROUT: LATICRETE SPECTRAL PRO PREMIUM EPOXY, COLOR: #78 STERLING SILVER. LATICRETE LATASIL SILICONE SEALANT TO BE USED AT INNER CORNERS & PERIMETERS. CORNERS: SCHLUTER STRIP, COLOR: SATIN NICKEL.	HJC	
FRPG	REINFORCED PLASTIC	CRANE COMPOSITES	PEARL GREY #48	CLASS 'C' 48"x120" SHEETS	APPLY SHEETS VERTICALLY, NO SEAMS. USE FRP MOULDING TO FINISH FRP. CORNERS TO MATCH COLORS.	HJC	C CONTACT: CRANE COMPOSITES, INC. 23535 W EAMES, CHANNAHON, IL 60410 PHONE: (815)-467-8600 OR (800)-435-0080 FAX (815)-467-8666
IMG1	WALL GRAPHIC	CONSTRUCTION SPECIALTIES	STACKED PAPER	40 IMAGEITECT GRAPHIC	A APPLY SHEETS VERTICALLY, GYPSUM BOARD TO BE SEALED/PRIMED PRIOR TO INSTALLATION. WATER BASED ADHESIVE AND PRIMER PROVIDED BY MANUFACTURER.	G.C.	B
ISL1	INSUL. PNL.	REF. CO.	STAINLESS STEEL	-	-	KYSOR	
ISL2	INSUL. PNL.	REF. CO.	BLACK	-	-	KYSOR	
SSTL	STAINLESS STL WALL PNLS	-	BRUSHED FINISH	16 GAUGE	TO BE USED BEHIND HEAT PRODUCING EQUIPMENT AT THE BACK OF HOUSE. SEE DETAIL 14/A11.2	G.C.	
WC6	RAMPART WALLCOVERING	WOLFGORDON	STYLE: QUINAULT, COLOR: PETRICHOR	LEVEL 5 FINISH ON GWB	TRIM: RAMPART 'CGT-34-8', COLOR: SHORELINE #316. WALL COVERING GO#33258967 TRIM GO#32936356	G.C.	A CONTACT: CAROL MORTIMER EMAIL: CAROL.MORTIMER@WOLFGORDON.COM

ROOM FINISH SCHEDULE

ROOM NAME	WALL		CEILING		DOOR		FLOOR	BASE
	MATERIAL	FINISH	MATERIAL	FINISH	DOOR	FRAME		
RETAIL AREA	GWB	TILE/PTD	ACT1	-	-	-	TERRAZZO	RB1/RB5
FRONT VESTIBULE	GWB/GLASS	PTD/ACR	GWB	PTD	ALUM	ALUM	MAT OVER TERRAZZO	RB3
REAR VESTIBULE	GWB/GLASS	PTD/ACR	GWB	PTD	ACR	PTD	MAT OVER TERRAZZO	RB3
FOOD SERVICE	GWB	TILE	ACT1	-	ACR	PTD	TERRAZZO	RB1/RB5
SPECIALTY BEVERAGE	GWB	TILE	ACT1	-	-	-	TERRAZZO	RB5
COFFEE	GWB	TILE	ACT1	-			TERRAZZO	RB5
RETAIL WALK-IN REFRIGERATOR	INSUL PNLS	-	INSUL PNLS	-	REF. CO.	REF. CO.	TERRAZZO	RB1
CORRIDOR	GWB	PTD/ACR	ACT1	-	ACR	PTD	TERRAZZO	RB1
WOMEN'S RESTROOM	MR GWB/DUROCK	TILE	MR GWB	PTD	ACR	PTD	POLY3	POLY3
MEN'S RESTROOM	MR GWB/DUROCK	TILE	MR GWB	PTD	ACR	PTD	POLY3	POLY3
OFFICE	GWB	PTD/FRP	ACT2	-	ACR	PTD	TERRAZZO	RB1
ASSOCIATE AREA	GWB	PTD/FRP	ACT2	-	ACR	PTD	TERRAZZO	RB1
JANITOR CLOSET	MR GWB	PTD/FRP	ACT2	-	ACR	PTD	TERRAZZO	RB3
BACKROOM	GWB	PTD/FRP	ACT1	-	PTD	PTD	TERRAZZO	RB1
F.S. WALK-IN REFRIGERATOR	INSUL PNLS	-	INSUL PNLS	-	REF. CO.	REF. CO.	TERRAZZO	RB1
F.S. WALK-IN FREEZER	INSUL PNLS	-	INSUL PNLS	-	REF. CO.	REF. CO.	TERRAZZO	RB1
WASHROOM	MR GWB	PTD/FRP	ACT1	-	-	-	TERRAZZO	RB1/RB3
STAGING AREA	MR GWB	PTD/FRP	ACT1	-	ACR	PTD	TERRAZZO	RB1
ELECTRICAL ROOM	PLYWOOD	PTD	ACT2	-	PTD	PTD	EPX2	RB1
WATER SERVICE ROOM	PLYWOOD	PTD/FRP	ACT1	PTD	PTD	PTD	EPX2	RB1

FLOOR PLAN LEGEND

- V1 — DOOR IDENTIFICATION. SEE DOOR SCHEDULE
- 1 — BLOCKING IDENTIFICATION. SEE EQ. BLOCKING NOTES
- EXIT — TACTILE BRAILLE SIGN. STATING "EXIT". COMPLYING WITH ICC/ANSI A117.1. SEE DETAIL 9/AC1.0
- F — FIRE EXTINGUISHER.
- WATER HEATER
- K — KNOX BOX
- xxx — STOREFRONT IDENTIFICATION SEE STOREFRONT TYPES ON A1.0 & A5.0
- xxx — WALL TYPE IDENTIFICATION SEE WALL TYPES ON A0.6 & A1.1
- CO2 TANK

EQUIPMENT BLOCKING SCHEDULE

#	ITEM	MATERIAL	LOCATION & REMARKS
1	SHELVING AT 3-COMPARTMENT SINK	4"X8" - 1/2" PLYWOOD	IN LIEU OF GWB. REFER TO INTERIOR ELEVATIONS
2	MOP HOLDER	6" - 16 GA. MTL STRAPPING SHEET	5'-8"
3	HAND DRYER	6" - 16 GA. MTL STRAPPING SHEET	3'-3" & 4'-0"
4	FUTURE ACCESSORIES	2'-6" X 2'-6" GAUGE MTL STRAPPING SHEET	STRAPPING TO BEGIN AT 2'-4 3/4" A.F.F.
5	HAND WASH SINK	6" - 16 GA. MTL STRAPPING SHEET	-
6	URINAL	AS PER MANUFACTURER	2'-10"
7	GRAB BAR	2'-6" X 2'-6" GAUGE MTL STRAPPING SHEET	2'-0" & 4'-0"
10	TOILET PARTITION	AS PER MANUFACTURER	3'-10"
11	COAT HOOKS	12" - 16 GA. MTL STRAPPING SHEET	4'-6"; REFER TO INTERIOR ELEVATIONS
12	OFFICE SECURITY SHELF	10" - 16 GA. MTL STRAPPING SHEET	REFER TO DETAIL 11/A11.3
13	LOCKERS	12" - 16 GA. MTL STRAPPING SHEET	5'-6"
14	FIRST AID BOX	18" - 16 GA. MTL STRAPPING SHEET	4'-3" AFF
15	SURGE TANK SHELF	6" - 16 GA. MTL STRAPPING SHEET	8'-8"; REFER TO 9/A11.3
22	FIRE EXTINGUISHER	6" - 16 GA. MTL STRAPPING SHEET	REFER TO INTERIOR ELEVATIONS AND DETAIL 13/A11.3
25	CSR UNIT	4"X8" 1/2" PLYWOOD	REFER TO INTERIOR ELEVATIONS
30	KPS MONITOR	8" - 16 GA. MTL STRAPPING SHEET (VERTICAL)	REFER TO INTERIOR ELEVATIONS
31	GOOSE LOGO SIGN	6" - 16 GA. MTL STRAPPING SHEET	8'-4" & 9'-8"; REFER TO INTERIOR ELEVATIONS
32	3-COMPARTMENT SINK	12" - 16 GA. MTL STRAPPING SHEET	2'-11"; REFER TO INTERIOR ELEVATIONS
33	TRASH RECEPTACLE	6" - 16 GA. MTL STRAPPING SHEET	3'-3"
34	AIR CURTAIN	12" - 16 GA. MTL STRAPPING SHEET	ABOVE DOOR. RE: MECHANICAL DWGS
36	ICE MACHINE SHELF	8" METAL STUDS	RE: DETAIL 10/A11.3. VERIFY EXACT LOCATION IN FIELD
37	CAT LOCK	6" - 16 GA. MTL STRAPPING SHEET	4'-0" A.F.F.
38	LAVATORY	8" - 16 GA. MTL STRAPPING SHEET	-
39	RESTROOM COAT HOOK	4" - 16 GA. MTL STRAPPING SHEET	3'-10"
40	INDIVIDUAL LETTER SIGNAGE	6" - 16 GA. MTL STRAPPING SHEET	REFER TO INTERIOR ELEVATIONS
43	FOOD SERVICE MONITORS	8" & 10" - 16 GA. MTL STRAPPING SHEET	RE: DETAIL 3/A11.3
44	SPECIAL BEV. MONITOR / SHELVING	8" & 10" - 16 GA. MTL STRAPPING SHEET	RE: DETAIL 4/A11.3

B

EQUIPMENT BLOCKING NOTES:

1. PROVIDE ADDITIONAL BLOCKING AT OTHER LOCATIONS AS REQUIRED.
2. ALL HEIGHTS ARE CENTERED, UNLESS NOTED OTHERWISE.
3. PROVIDE BLOCKING FOR ALL CABINETS : 16 GAUGE METAL STRAPPING SHEET
4. WOOD BLOCKING IS AN ACCEPTABLE ALTERNATE FOR METAL STRAPPING SHEETS

B

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
2ND SECOND ST PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
GENERAL NOTES AND SCHEDULES

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	PROJECT NO.	DRAWN	CHECKED
U45FB-R v2025.Q1	60659612	RM	AB

8216
UPPER SOUTHAMPTON, PA

Wawa

A0.5

WALL TYPES

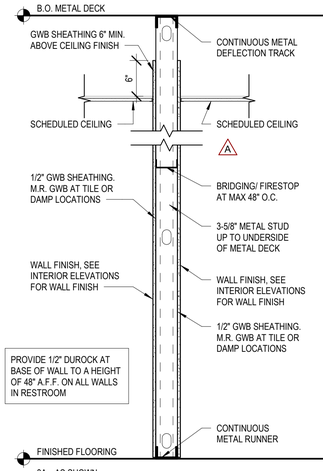
		WALL TYPE 3 3-5/8" METAL STUDS	WALL TYPE 6 6" METAL STUDS	WALL TYPE 8 8" METAL STUDS
	INTERIOR WALLS			
A	GENERAL WALLS W/ GWB ON BOTH SIDES	X	X	
B	GENERAL WALLS W/ PLYWOOD ON BOTH SIDES TO BOTTOM OF DECK	X		X
C	CAVITY WALLS W/ GWB	X		
D	WALLS AT WALK-IN BOXES W/ GWB	X		
E	WALLS AT WALK-IN BOXES W/ PLYWOOD		X	
F	WALLS AT WALK-IN BOXES W/ FULL HEIGHT INSULATION TO BOTTOM OF DECK	X	X	
G	WALLS AT 3-COMPARTMENT SINKS		X	
H	FULL HEIGHT INSULATED WALLS W/ GWB	X	X	
I	PARTIAL HEIGHT WALLS AT EXPRESS CASE	X		
J	FULL HEIGHT INSULATED WALLS W/ PLYWOOD	X	X	
	EXTERIOR WALLS			
K	PLYWOOD SHEATHING W/ GWB TO BOTTOM OF DECK			X
L	PLYWOOD SHEATHING W/ PLYWOOD TO BOTTOM OF DECK			X
M	PLYWOOD SHEATHING WITH DUROCK AT WALK-IN BOXES			X
N	CAVITY WALL W/ PLYWOOD SHEATHING			X
P	WALLS AT FRONT TOWER		X	
Q	WALLS AT 3-COMPARTMENT SINKS			X

INSULATION SCHEDULE

2018 IECC (CLIMATE ZONE 4 EXCEPT MARINE)

	R-VALUE
ROOFS - INSULATION ENTIRELY ABOVE ROOF DECK	R-35ci
WALLS ABOVE GRADE - METAL FRAMED	R-19 + R-7.5ci
SLAB-ON-GRADE FLOORS - UNHEATED SLAB	R-10 for 24" below
OPAQUE DOORS - NONSWINGING	R-4.75

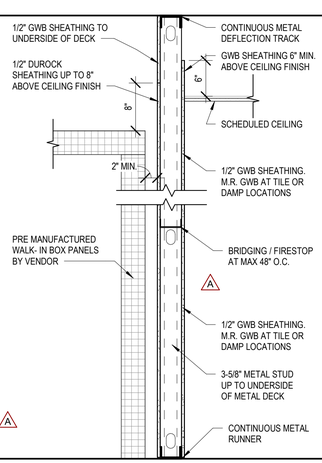
WALL TYPE 3 - GENERAL WALLS



3A: AS SHOWN
3B: AS SHOWN W/ PLYWOOD SHEATHING IN LIEU OF GWB TO B.O. DECK

WALL TYPE 3C - NOT USED

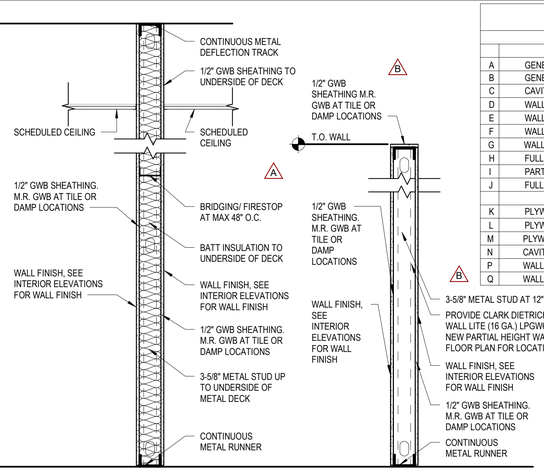
WALL TYPE 3 - WALLS AT WALK-IN BOXES



3D: AS SHOWN
3E: AS SHOWN W/ PLYWOOD SHEATHING IN LIEU OF GWB TO B.O. DECK

WALL TYPE 3F - NOT USED

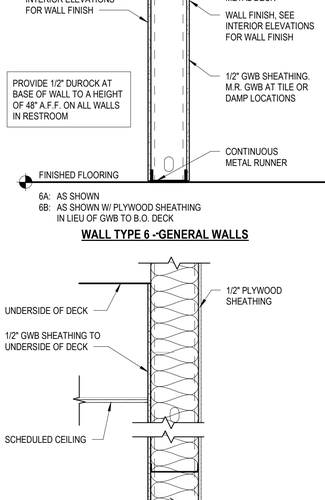
WALL TYPE 3 - INSULATED WALLS



3H: AS SHOWN
3J: AS SHOWN W/ PLYWOOD SHEATHING IN LIEU OF GWB TO B.O. DECK

WALL TYPE 3I - PARTIAL HEIGHT WALLS

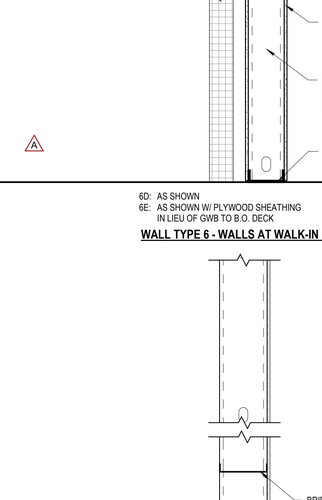
WALL TYPE 6 -GENERAL WALLS



6A: AS SHOWN
6B: AS SHOWN W/ PLYWOOD SHEATHING IN LIEU OF GWB TO B.O. DECK

WALL TYPE 6C - NOT USED

WALL TYPE 6 - WALLS AT WALK-IN BOXES

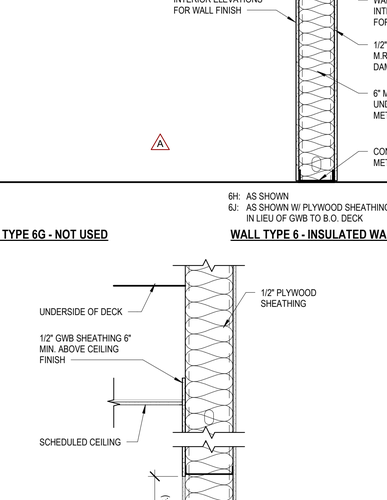


6D: AS SHOWN
6E: AS SHOWN W/ PLYWOOD SHEATHING IN LIEU OF GWB TO B.O. DECK

WALL TYPE 6F - NOT USED

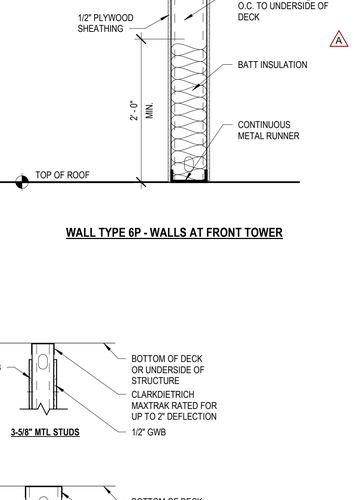
WALL TYPE 6G - NOT USED

WALL TYPE 6 - INSULATED WALLS

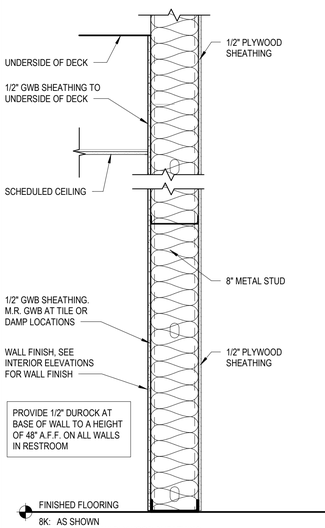


6H: AS SHOWN
6J: AS SHOWN W/ PLYWOOD SHEATHING IN LIEU OF GWB TO B.O. DECK

WALL TYPE 6P - WALLS AT FRONT TOWER

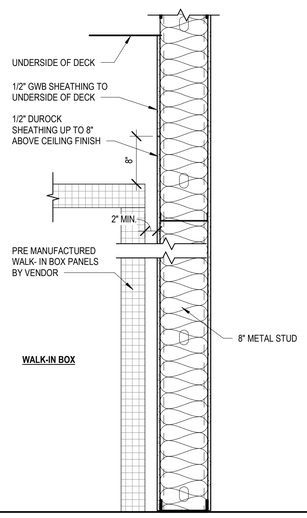


WALL TYPE 8 - GENERAL WALLS

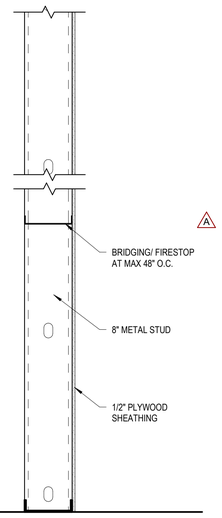


8K: AS SHOWN
8L: AS SHOWN W/ PLYWOOD SHEATHING IN LIEU OF GWB TO B.O. DECK

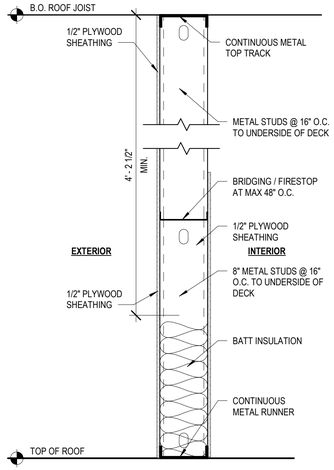
WALL TYPE 8M - WALLS AT WALK-IN BOXES



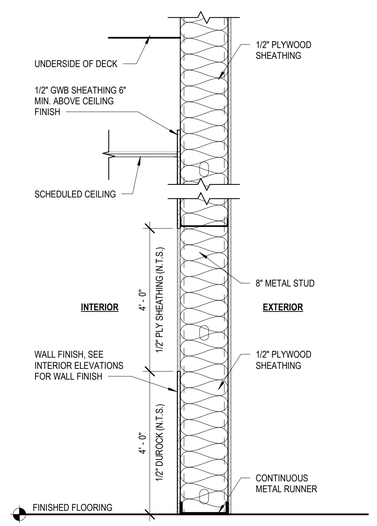
WALL TYPE 8N - CAVITY WALLS



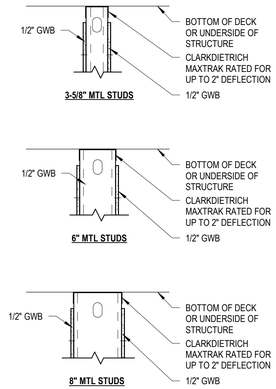
WALL TYPE 8P - WALLS AT FRONT TOWER



WALL TYPE 8Q - 3-COMPARTMENT SINK



DEFLECTION DETAILS



AECOM
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300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
WALL TYPES

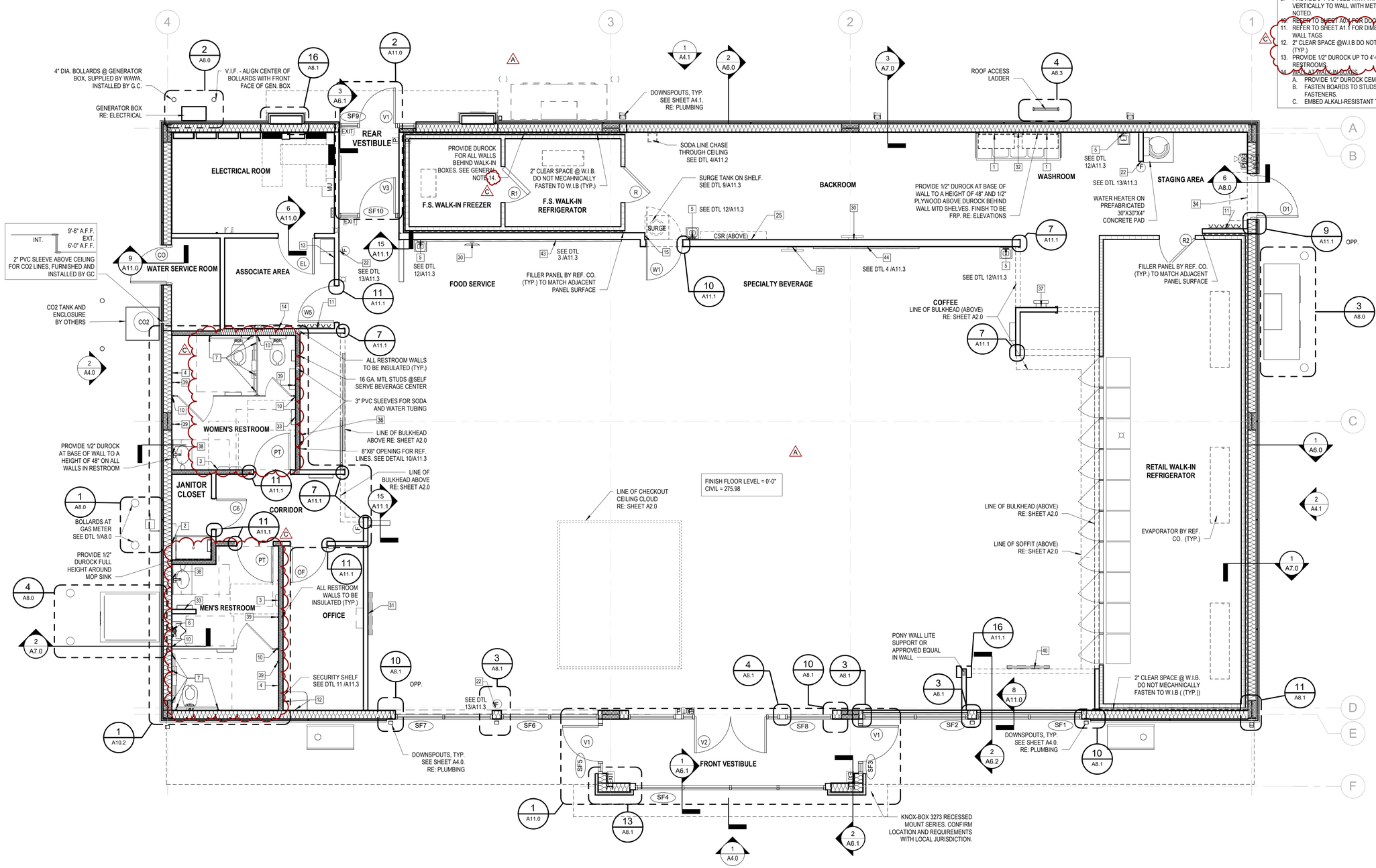
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REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60609812
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

Wawa

A0.6



FLOOR PLAN NOTES

1. FOR SLAB CONTROL JOINT LOCATIONS SEE STRUCTURAL DWGS.
2. FOR EQUIPMENT LAYOUT SEE SHEET EQ1.0.
3. FOR UNDERSLAB CONDUIT LOCATIONS SEE PLUMBING AND ELECTRICAL DWGS.
4. REFER TO SHEET A0.5 FOR BLOCKING SCHEDULE, ROOM FINISH SCHEDULE, AND GENERAL NOTES.
5. REFER TO SHEET A9.0 FINISH FLOOR PLAN FOR INTERIOR ELEVATION MARKERS AND SHEETS A10.0, A10.1, & A10.2 FOR INTERIOR ELEVATIONS.
6. REFER TO SHEET A5.0 FOR STOREFRONT ELEVATIONS.
7. PROVIDE DIAGONAL BRACING TO ALL METAL STUD SOFFITS THAT ARE SUSPENDED FROM STRUCTURE ABOVE.
8. AT ALL METAL STUD PARTITIONS SYSTEMS THAT EXTEND TO STRUCTURE, PROVIDE DEFLECTION TRACK WITH 2" MIN. DEFLECTION SEE DEFLECTION TRACK DETAIL ON SHEET A0.6.
9. PROVIDE 6" PVC TUBE WITH THREADED CAP, 36" IN LENGTH, MTD. VERTICALLY TO WALL WITH METAL STRAPS, IN ELECTRICAL ROOM AS NOTED.
10. REFER TO SHEET A0.4 FOR DOOR SCHEDULE.
11. REFER TO SHEET A1.1 FOR DIMENSION PLAN FOR DIMENSIONS AND WALL TAGS
12. 2" CLEAR SPACE @W.I.B DO NOT MECHANICALLY FASTEN TO W.I.B. (TYP.)
13. PROVIDE 1/2" DUROCK UP TO 4'-0" A.F.F. ON ALL WALLS OF RESTROOMS.
14. TYPE 'X' AT WALK-IN BOXES.
    - A. PROVIDE 1/2" DUROCK CEMENT BOARD TO HEIGHT OF 10'-0" A.F.F.
    - B. FASTEN BOARDS TO STUDS @ 8" O.C. EACH WAY WITH DUROCK FASTENERS.
    - C. EMBED ALKALI-RESISTANT TAPE IN THINSET OVER JOINTS.

1 A1.0 FLOOR PLAN
1/4" = 1'-0"

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BLOOMFIELD, NJ 07003
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http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
FLOOR PLAN

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
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REV C - REVISED IFC SET	04/11/2025

PROTOTYPE: U45FB-R v2025.Q1
PROJECT NO.: 6069612
DRAWN: RM
CHECKED: AB

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UPPER SOUTHAMPTON, PA

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A1.0

FLOOR PLAN NOTES

1. FOR SLAB CONTROL JOINT LOCATIONS SEE STRUCTURAL DRAWINGS.
2. FOR EQUIPMENT LAYOUT SEE SHEET EQ1.0.
3. FOR UNDERSLAB CONDUIT LOCATIONS SEE PLUMBING AND ELECTRICAL DRAWINGS.
4. REFER TO SHEET A0.5 FOR BLOCKING SCHEDULE, ROOM FINISH SCHEDULE, AND GENERAL NOTES.
5. REFER TO SHEETS A10.0, A10.1, & A10.2 FOR INTERIOR ELEVATIONS.
6. REFER TO SHEET A5.0 FOR STOREFRONT ELEVATIONS.
7. PROVIDE DIAGONAL BRACING TO ALL METAL STUD SOFFITS THAT ARE SUSPENDED FROM STRUCTURE ABOVE.
8. AT ALL METAL STUD PARTITIONS SYSTEMS THAT EXTEND TO STRUCTURE, PROVIDE DEFLECTION TRACK WITH 2" MIN. DEFLECTION SEE DEFLECTION TRACK DETAIL ON SHEET A0.6.
9. PROVIDE 6" PVC TUBE WITH THREADED CAP, 36" IN LENGTH, MTD. VERTICALLY TO WALL WITH METAL STRAPS, IN ELECTRICAL ROOM AS NOTED.
10. REFER TO SHEET A0.4 FOR DOOR SCHEDULE.
11. EXTERIOR WALL DIMENSIONS ARE FROM FACE OF EXTERIOR SHEATHING/CMU STEM WALL. INTERIOR WALL DIMENSIONS ARE FROM FACE OF STUD, UNLESS NOTED OTHERWISE.
12. ALL WALLS BEHIND WALK-IN REFRIGERATORS AND FREEZERS SHALL BE 1/2" DUROCK CEMENT BOARD TO HEIGHT OF 10'-0" A.F.F. (11'-0" A.F.F. AT SELF SERVICE COOLER) FASTEN BOARDS TO STUDS @ 8" O.C. EA. WAY W/DUROCK FASTENERS. EMBED ALKALI-RESISTANT TAPE IN THINSET OVER JOINTS.
13. STOREFRONT TO BE DRY SET.
14. REFER TO SHEET A0.6 FOR ALL WALL TYPES AND SHEET A1.1 FOR WALL TYPE MARKERS.
15. WALL AT WALK-IN BOXES
    - A. PROVIDED 1/2" DUROCK CEMENT TO HEIGHT OF 10'-0" A.F.F.
    - B. FASTEN BOARDS TO STUDS @ 8" O.C. EACH WAY WITH DUROCK FASTENERS
    - C. EMBED ALKALI-RESISTANT TAPE IN THINSET OVER JOINTS
16. ALL INERIOR DOORS ARE 6" FROM FACE OF METAL STUD TO ROUGH OPENING, U.N.O. REFER TO DOOR SCHEDULE ON SHEET A0.4 FOR ADDITIONAL INFORMATION

1 DIMENSION PLAN
A1.1 1/4" = 1'-0"

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300 BROADACRES DRIVE, SUITE 250
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WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
DIMENSION PLAN

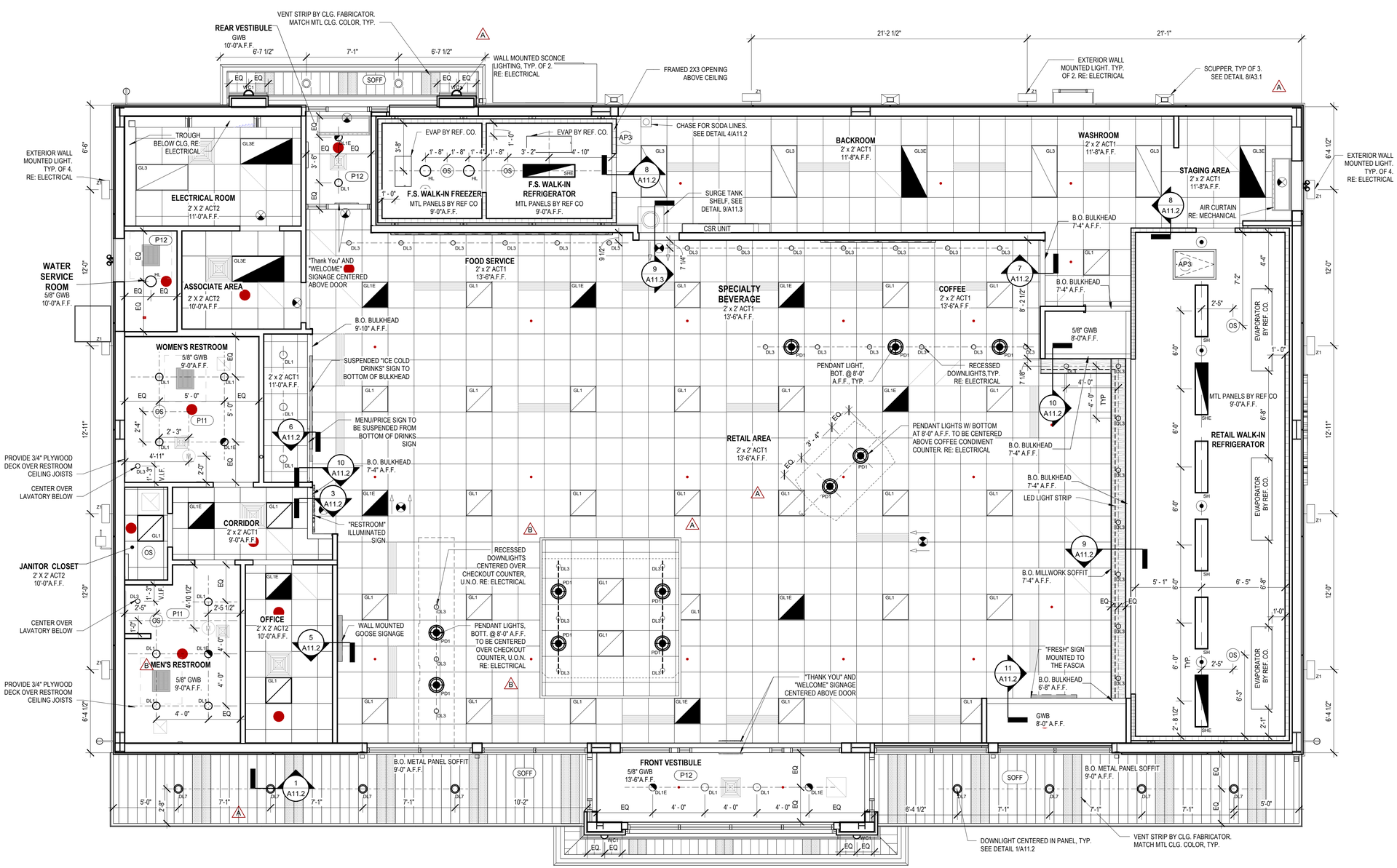
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REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60698612
DRAWN	RM
CHECKED	AB

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UPPER SOUTHAMPTON, PA

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A1.1



1 A2.0 REFLECTED CEILING PLAN
1/4" = 1'-0"

REFLECTED CEILING PLAN LEGEND AND NOTES

1. REFER TO SHEET E2.0 FOR LIGHTING FIXTURE INFORMATION.
2. G.C. TO INSTALL 3/4" QUARTER ROUND MOULDING TO COMPLETELY SEAL THE GAP BETWEEN THE SOFFIT WALL AND WALK-IN REFRIGERATOR. PAINT MOULDING, COLOR: P12. DO NOT MECHANICALLY FASTEN TO WIB. MITER CUT AT RAW ENDS (TYP)
3. ANY EXPOSED GWB CEILINGS TO BE PAINTED, P12, U.N.O.
4. GWB CEILING CONSTRUCTION: 8", 16 GA. METAL STUDS @ 24" O.C. INSULATED, U.N.O.
5. REFER TO MECHANICAL DWGS FOR AIR DIFFUSERS AND RETURN AIR GRILLES INFORMATION.
6. DO NOT INSTALL ACCESS PANELS IN WALK-IN FREEZERS OR REFRIGERATORS.
7. REFER TO INTERIOR FINISH SCHEDULE, SHEET A0.5 FOR CEILING SPECIFICATIONS.
8. ALL SOFFIT/BULKHEAD CONDITIONS TO BE CONSTRUCTED WITH METAL STUDS AT 16" O.C.

- M — MUSIC SYSTEM SPEAKER
- M — CEILING MOUNTED MUSIC SPEAKERS
- SUPPLY DIFFUSER
- RETURN AIR GRILL
- LINEAR DIFFUSER
- EXIT SIGN
- 2 X 2 LED FIXTURE
- 2 X 2 EMERGENCY LED FIXTURE
- 2 X 4 LED FIXTURE
- 2 X 4 LED EMERGENCY FIXTURE
- OS — OCCUPANCY SENSOR
- P1 — INTERIOR FINISH TAG RE: SHEET A0.5 FOR FINISH SCHEDULE
- LINEAR LED FIXTURE
- LINEAR LED EMERGENCY FIXTURE
- RECESSED DOWNLIGHT
- RECESSED EMERGENCY DOWNLIGHT
- FLAT WHITE DOWNLIGHT
- PENDANT
- 2 X 2 ACT CEILING
- GWB CEILING

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260 W. BALTIMORE PIKE
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25 SECOND ST. PIKE
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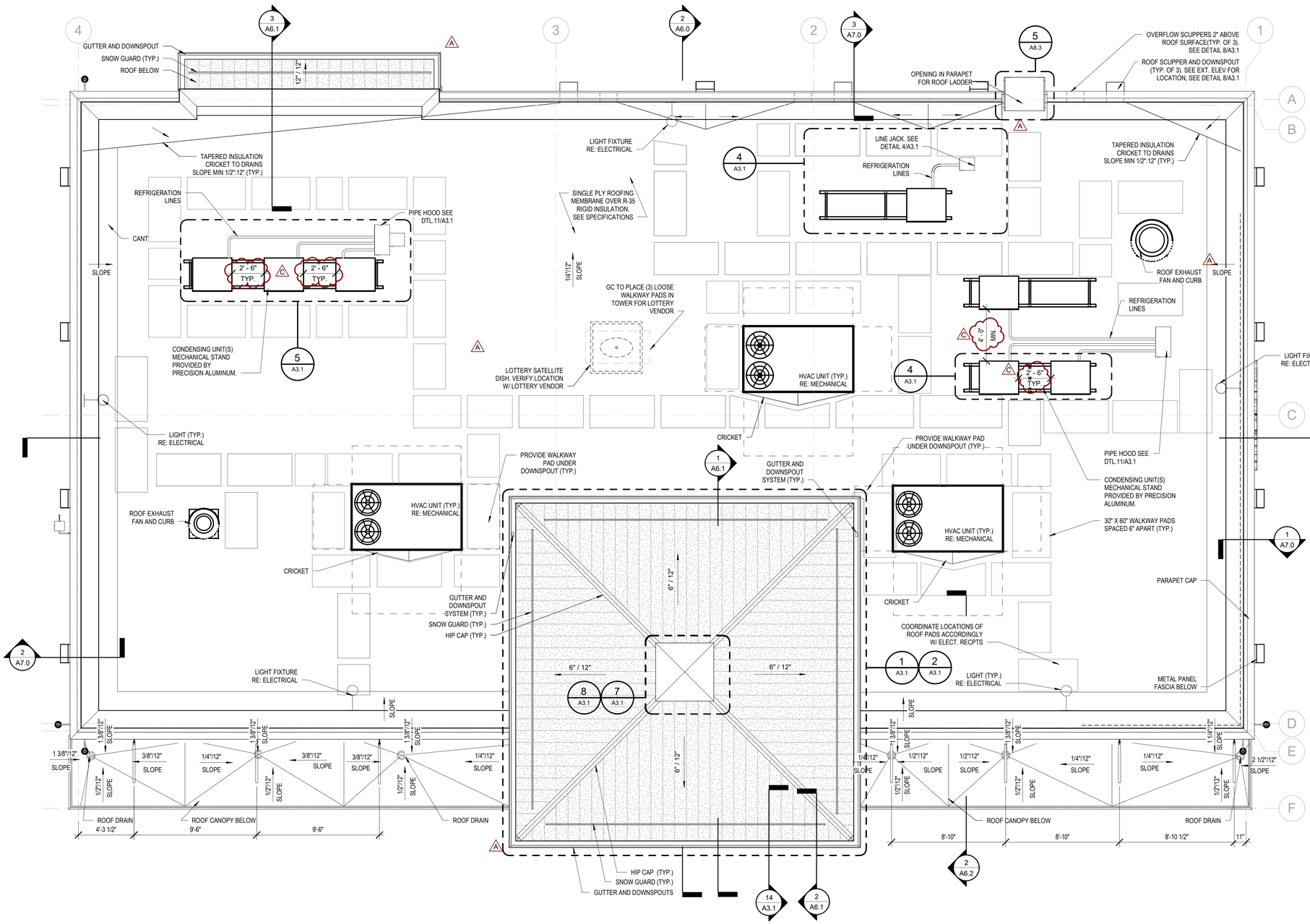
SHEET TITLE
REFLECTED CEILING PLAN

RELEASE	DATE
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PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60699812
DRAWN	RM
CHECKED	AB

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UPPER SOUTHAMPTON, PA
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A2.0



ROOF PLAN NOTES

WALKWAY PAD NOTES:

1. ROOF WALKWAY PADS SHALL BE WHITE WITH YELLOW SAFETY TRIM, AND BE FULLY WELDED AT THE PERIMETER.
2. EDGE OF WALKWAY PADS SHALL BE A MINIMUM OF 2" FROM ALL SEAMS. DO NOT INSTALL WALKWAY PADS OVER ROOFING MEMBRANE SEAMS.
3. WALKWAY PADS SHALL BE INTERRUPTED AT EDGES OF CRICKETS.
4. EXTEND ROOF WALKWAY PADS FROM ROOF LADDER TO ALL EQUIPMENT, LIGHT FIXTURES, ELECTRICAL RECEPTACLES, EXHAUST FANS, AND TOWER ACCESS DOOR. VERIFY LOCATIONS IN THE FIELD.
5. THE SUPPORTS FOR THE CONDENSATION, REFRIGERATION, AND ALL OTHER PIPING TO BE FASTENED WITH AN APPROVED ADHESIVE TO 12"X12" WALKWAY PAD SECTIONS FULLY WELDED AT THE PERIMETER TO THE ROOF MEMBRANE (SEE MECHANICAL).
6. GENERAL CONTRACTOR TO PLACE THREE (3) LOOSE WALKWAY PADS IN TOWER FOR LOTTO SATELLITE DISH VENDOR.

GENERAL NOTES:

1. ALL SLOPED METAL ROOF AREAS TO RECEIVE 40 MIL ICE & WATER SHIELD UNDERLAYMENT (ATA SHIELD OR APPR. EQ.).
2. GUTTERS SHALL BE CONTINUOUS (NO SEAMS).
3. COORDINATE ALL PLUMBING PENETRATIONS WITH THE PLUMBING DRAWINGS.
4. COUNTER SINK ALL SCREWS AT TOP OF PARAPET PLATE LOCATIONS TO PREVENT ROOF MEMBRANE DAMAGE AND TEAR.
5. (+) NOTATIONS ON ROOF PLAN INDICATE ADDITIONAL THICKNESS OF TAPERED INSULATION ADDED TO THE BASE THICKNESS. DIRECT WATER TO SCUPPERS AND/OR ROOF DRAINS.
6. CONTRACTOR TO UTILIZE TAPERED INSULATION AT ALL CRICKETS. SQUARE EDGES WILL NOT BE ACCEPTABLE.
7. CONTRACTOR TO PROVIDE CRICKETS ON UPHILL SIDE OF ALL EQUIPMENT CURBS. CRICKETS SHALL SLOPE 1/2" = 1'-0" FROM CENTER RIDGE AND EXTEND TO THE OUTSIDE EDGE OF THE CURB.
8. REFER TO PLUMBING DRAWINGS FOR ROOF DRAIN CALCS.
9. CONDENSING UNIT (3 & 5 LEGGED) MECHANICAL STAND SHALL BE MANUFACTURED BY PRECISION ALUMINUM PRODUCT. CONTACT INFO., PRECISION ALUMINUM, 1339 SW 1ST WAY DEERFIELD BEACH, FL 33441; (954)480-6919.
10. RIGID INSULATION TO BE TWO LAYERS W/ STAGGERED OFFSET JOIST. RIGID INSULATION TO BE PROVIDED BY G.C.

ROOF PLAN LEGEND

ROOF AREA WITH 40 MIL. ICE & WATER SHIELD (ATA SHIELD OR APPROVED EQUAL) UNDERLAYMENT.

LIGHT FIXTURE

1 ROOF PLAN
A3.0 1/4" = 1'-0"

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300 BROADACRES DRIVE, SUITE 250
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WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ROOF PLAN AND NOTES

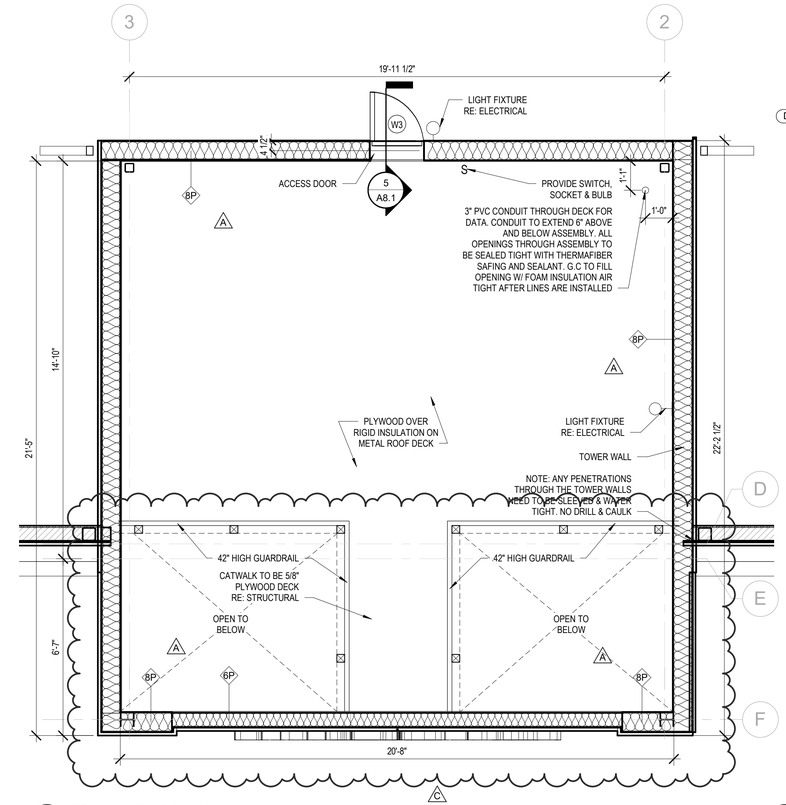
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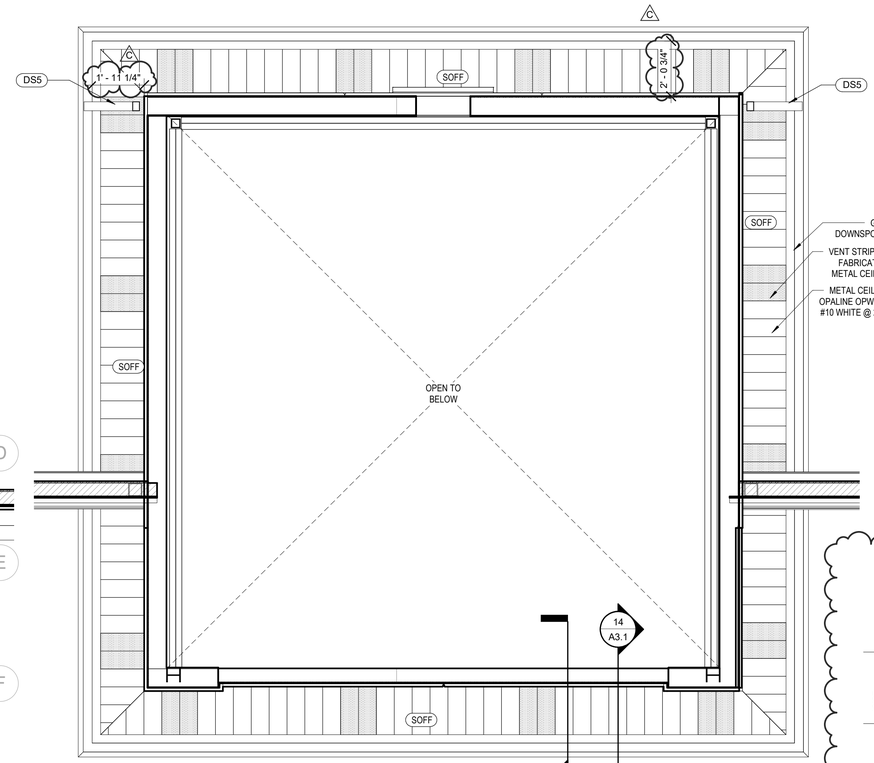
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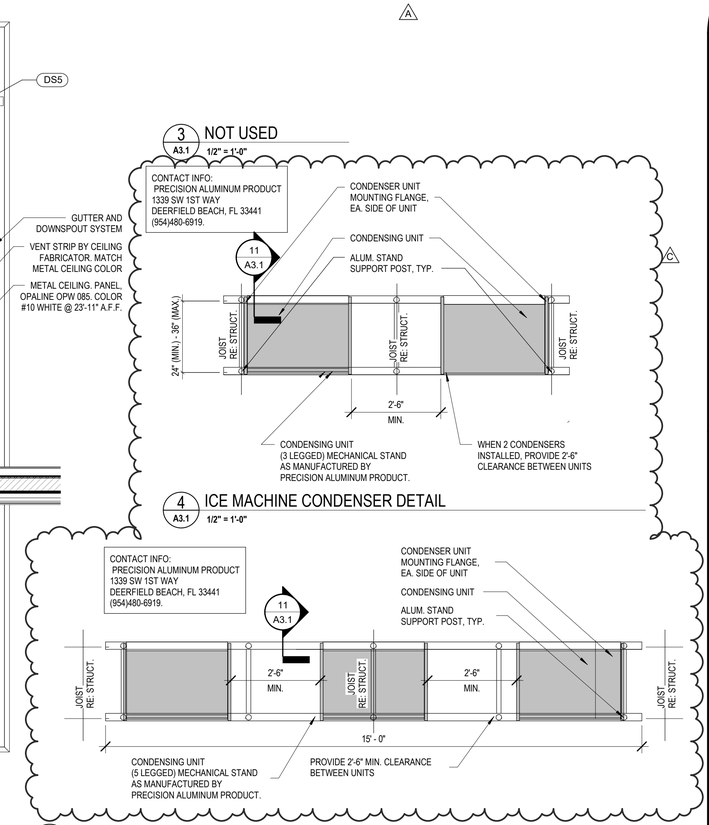
A3.0



1 TOWER ATTIC PLAN
A3.1 — 3/8" = 1'-0"

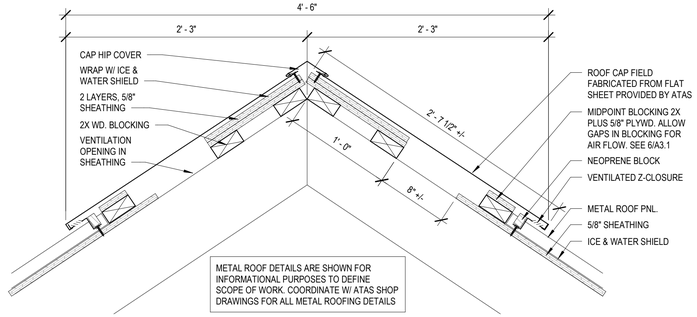


2 TOWER REFLECTED CEILING PLAN
A3.1 — 3/8" = 1'-0"

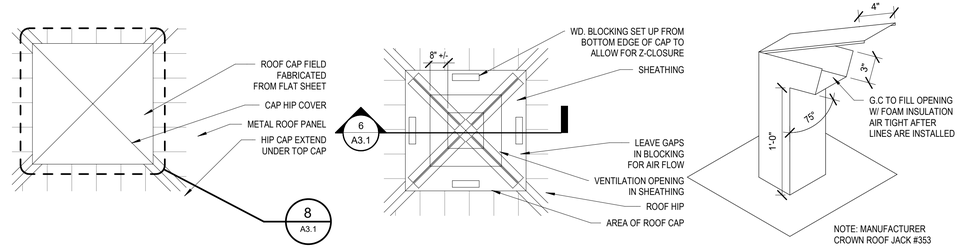


3 NOT USED
A3.1 — 1/2" = 1'-0"

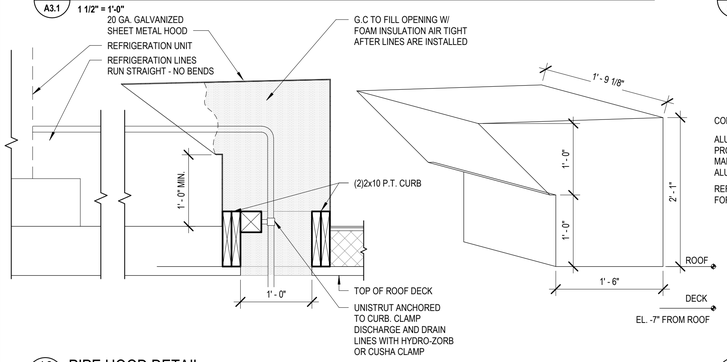
4 ICE MACHINE CONDENSER DETAIL
A3.1 — 1/2" = 1'-0"



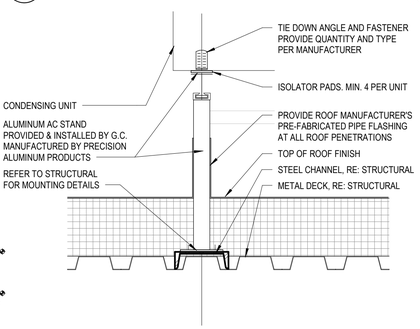
5 CONDENSER DETAIL
A3.1 — 1/2" = 1'-0"



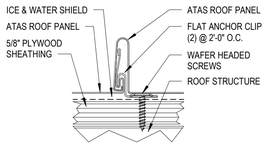
6 TOWER CAP HIP DETAIL
A3.1 — 1 1/2" = 1'-0"



7 ROOF CAP PLAN VIEW
A3.1 — 3/8" = 1'-0"

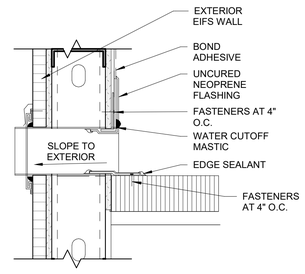


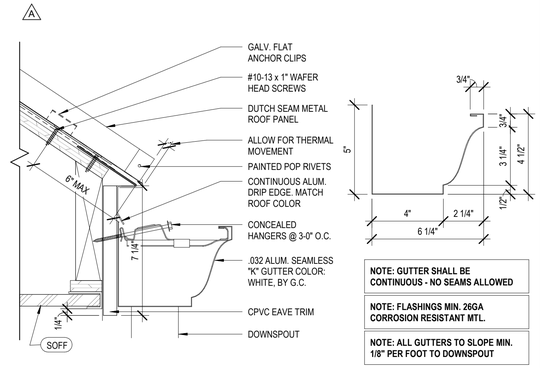
8 ROOF CAP BLOCKING PLAN
A3.1 — 3/8" = 1'-0"



NOTE: TYPICAL VIEW THROUGH A DUTCH STANDING SEAM SHOWING THE PANELS LOCKED OVER A HIDDEN ATAS FLAT ANCHOR CLIP.

9 LINE JACK DETAIL
A3.1 — 1 1/2" = 1'-0"





10 PIPE HOOD DETAIL
A3.1 — 1" = 1'-0"

11 CONDENSING UNIT ROOFTOP SUPPORT DETAIL
A3.1 — 1 1/2" = 1'-0"

12 FLAT ANCHOR CLIP DETAIL
A3.1 — 1/4" = 1'-0"

13 SCUPPER DETAIL
A3.1 — 1 1/2" = 1'-0"

14 GUTTER DETAIL @ ENTRANCE TOWERS
A3.1 — 3" = 1'-0"

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260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
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WAWA STORE 8216
25 SECOND ST PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ROOF DETAILS

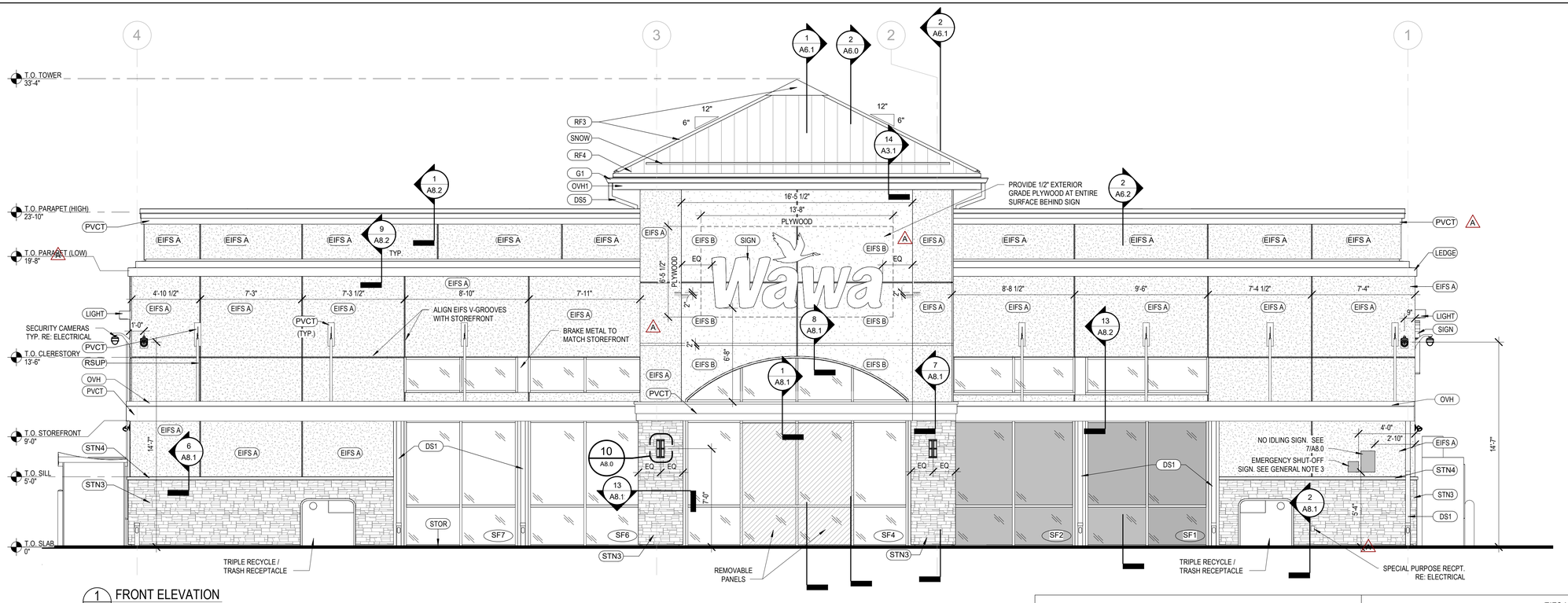
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PROTOTYPE	PROJECT NO.	DRAWN	CHECKED
U45FB-R v2025.Q1	60659812	RM	AB

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A3.1



1 A4.0 **FRONT ELEVATION**
1/4" = 1'-0"

NOTE: SIGNAGE TO BE PERMITTED SEPERATELY

NOTE: REFER TO SITE PLAN FOR STL BOLLARD LOCATIONS

2 A4.0 **LEFT ELEVATION**
1/4" = 1'-0"

NOTE: REFER TO SITE PLAN FOR STL BOLLARD LOCATIONS

NOTE: SIGNAGE TO BE PERMITTED SEPERATELY

GENERAL NOTES

1. VERIFY WITH SITE PLAN LOCATION OF STEEL BOLLARDS.
2. REFER TO EXTERIOR FINISH SCHEDULE FOR DETAILED MATERIAL INFORMATION.
3. G.C. TO INSTALL A 9" X 9" 'EMERGENCY SHUT-OFF' SIGN AT FRONT OF BUILDING AT BUTTON LOCATION - SIGN TO HAVE RED BACKGROUND AND WHITE LETTERS. REFER TO ELECTRICAL PLANS FOR LOCATION.
4. MOUNT SECURITY CAMERAS THE SAME HEIGHT AS THE EXTERIOR WALL FIXTURE
5. PETERSEN PAC-CLAD IS AN ACCEPTABLE ALTERNATE MFR. FOR PRODUCTS WHERE "ATAS" IS SPECIFIED. PROVIDE EQUAL OR BETTER QUALITY PRODUCTS. SUBMIT PRODUCT DATA TO ARCHITECT FOR APPROVAL.

EIFS NOTES

1. EIFS: EXTERIOR INSULATION & FINISH SYSTEM FOR THE EXTERIOR WALLS OF WHERE INDICATED IN THE DRAWINGS.
2. PROVIDE EIFS SYSTEM WITH DRAINAGE, EXCEPT WHERE APPLIED OVER CONCRETE OR CONCRETE MASONRY. ALL EIFS SHALL INCORPORATE A DRAINAGE PLANE.
3. INSTALLATION OF EIFS WITH DRAINAGE SHALL BE IN ACCORDANCE WITH THE MFR'S WRITTEN INSTRUCTIONS.
4. WATER RESISTIVE BARRIER FOR THE EIFS SYSTEM SHALL BE TYVEK COMMERCIAL WRAP, INSTALLED OVER SHEATHING PLUS A SECOND LAYER OF TYVEK STUCCO WRAP.
5. PROVIDE 1-1/2" EPS INSULATION BOARD. MIN. R-7.5 AT ALL EIFS LOCATIONS.
6. EIFS RELIEF DETAILS ON THE FACADE SHALL BE FORMED W/ ADDITIONAL LAYER OF 1" EPS BOARD. ALL HORIZONTAL SURFACE SHALL HAVE SLIGHT SLOPE AWAY FROM THE BUILDING.
7. ALL V-GROOVES SHOWN ON THE ELEVATIONS SHALL BE 3/4" X 3/4" FORMED W/ HOT GROOVING TOOL.
8. WHEREVER EIFS EXTENDS BELOW 5'-0" A.F.F. PROVIDE HIGH IMPACT MESH IN THE BASE COAT.

EXTERIOR FINISH SCHEDULE

SYMB	MATERIAL	MANUFACTURER	COLOR	NOTES	CONTACT
CO2	CO2 FILL BOX	SUPPLIER	-	SEE A1.0 & EQ1.0 FOR LOCATION	CONTACT: DRYVIT SYSTEMS, INC. ONE ENERGY WAY WEST WARWICK, RI 02898 PHONE: 800-556-7752 WWW.DRYVIT.COM
DS	3"x4" .032 ALUMINUM DOWNSPOUT	ATAS ALUMINUM CORP.	COMMERCIAL GRADE, SMOOTH, PRE FINISHED ASCOT WHITE	COORDINATE WITH CIVIL FOR CONNECTION TO STORM SEWER.	CONTACT: DRYVIT SYSTEMS, INC. ONE ENERGY WAY WEST WARWICK, RI 02898 PHONE: 800-556-7752 WWW.DRYVIT.COM
DS1	3"x4" .032 ALUMINUM DOWNSPOUT	ATAS ALUMINUM CORP.	COMMERCIAL GRADE, SMOOTH, PRE FINISHED ASCOT WHITE		
DS5	3"x4" .032 ALUMINUM DOWNSPOUT	ATAZ INTERNATIONAL, INC (TYP)	COMMERCIAL GRADE, SMOOTH, PRE FINISHED ASCOT WHITE	PROVIDE WALK PADS ON ROOF	
EIFS A	EIFS	DRYVIT	WAWA 011030 BEIGE	OUTSULATION LCMD, FINISH: SANDBLAST A	
EIFS B	EIFS	DRYVIT	WAWA 021030 OFF-WHITE	OUTSULATION LCMD, FINISH: SANDBLAST	
EP1	PAINT	SHERWIN WILLIAMS	SW7007 CEILING BRIGHT WHITE	FOR DOORS AND FRAMES	
EP2	PAINT	SHERWIN WILLIAMS	WAWA STUCCO - MA	FOR VERTICAL GAS PIPING	
EP4	PAINT	SHERWIN WILLIAMS	SW COLOR MATCH BM PUMICE STONE #1197	FOR VERTICAL GAS PIPING	
EPX1	CLEAR, WATER BASED	SHERWIN WILLIAMS	SEE SPECS		
ICE	ICE	LEER	-	-	
LADD	METAL EXT. LADDER	EASTERN METAL SUPPLY	POWDER COAT COLOR: SLATE GREY OR EQUIVALENT	PROVIDED BY WAWA VENDOR. REFER TO LADDER DETAILS.	
LEDGE	LEDGE	ATAS ALUMINUM CORP.	ASCOT WHITE	ALTERNATE: PETERSEN PAC-CLAD	
LIGHT	EXTERIOR LIGHT FIXTURE	-	FINISH: WHITE	SEE ELECTRICAL DRAWINGS	
OFS	OVERFLOW COPING - .032 ALUMINUM 5" X10" OVERFLOW SCUPPER	-	PRE-FINISHED WHITE	-	
OVH	METAL OVERHANG FASCIA	ATAS INTERNATIONAL, INC.	RAPID-LOK FASCIA, LOK FASCIA, COLOR: #17 BRITE RED	SEE DETAILS SHEET A3.1. ALTERNATE: PETERSEN PAC-CLAD A	
OVH1	HIP ROOF FASCIA	ATAS INTERNATIONAL, INC.	BRAKE METAL, COLOR #10 ASCOT WHITE	SEE DETAILS SHEET A3.1. ALTERNATE: PETERSEN PAC-CLAD	
OVH3	SHED ROOF FASCIA	AZEK	AZEK 1X TRIM	MITER CUT ALL CORNERS	
PAR	ALUM. PARAPET FASCIA	ATAS ALUMINUM CORP.	COLOR: SLATE GREY	RAPID LOCK COPING	
PVCT	ACCENT TRIM	AZEK	COLOR: WHITE FINISH: SMOOTH	PRE-FINISHED. MITER ALL CORNERS; ALTERNATE: PALIGHT	CONTACT: AZEK TRIMBOARDS 801 COREY STREET MOOSIC, PA 18507 PHONE: 866-549-6900 WEBSITE: WWW.AZEK.COM
RF3	STANDING SEAM ROOF HIP CAP	-	TO MATCH METAL ROOFING	-	
RF4	METAL ROOFING	ATAS ALUMINUM CORP.	DUTCH SEAM 19.25" WIDE COLOR: SLATE GREY	-	
RSUP	ROD SUPPORT	-	POWDER COAT, MATCH SW#6076	SEE STRUCTURAL DRAWINGS	
SIGN	ILLUMINATED SIGNAGE	-	-	SIGN BY WAWA: SURFACE MOUNTED	
SNOW	SNOW GUARD	METAL ROOF INNOVATIONS LTD.	NATURAL MILL FINISH W/ COLOR STRIP	S-5 COLOR GUARD	
SOFF	OPALINE OPW 085	ATAS INTERNATIONAL, INC.	#10 ASCOT WHITE	PORCH/ENTRY SOFFITS W/ VENT PANELS, COLOR TO MATCH SOFFIT	
STN3	MANUFACTURED STONE VENEER	QUALITY STONE	PROVENCE	STYLE: OHIO DRYSTACK; MORTAR GREY	
STN4	PRE-CAST MANUFACTURED STONE WATERTABLE/SILL	QUALITY STONE	HEWN STANDARD SILL BAND COLOR : EGGSHELL	24" MIN. LENGTH SECTIONS. VERTICAL GROUT JOINTS: 3/16" MAX WIDTH GROUT WITH QUIKRETE SM100 GRAY	
STOR	STOREFRONT SYSTEM	YKK OR KAWNEER	DARK BRONZE A	SEE SPECIFICATIONS	CONTACT: TOM CROSS KAWNEER 555 GUTHRIDGE COURT NORCROSS, GA 30092-3503 MOBILE: 470-233-4472

C

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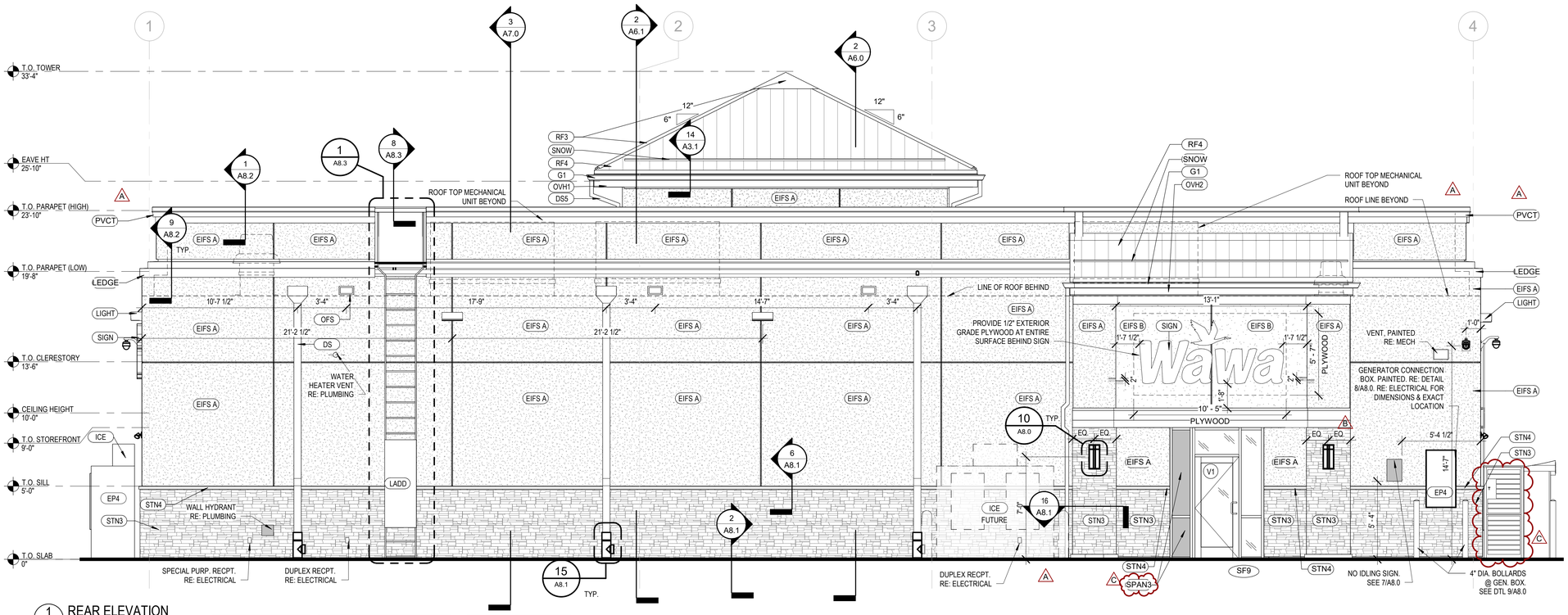
SHEET TITLE
EXTERIOR ELEVATIONS

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8216
UPPER SOUTHAMPTON, PA

A4.0

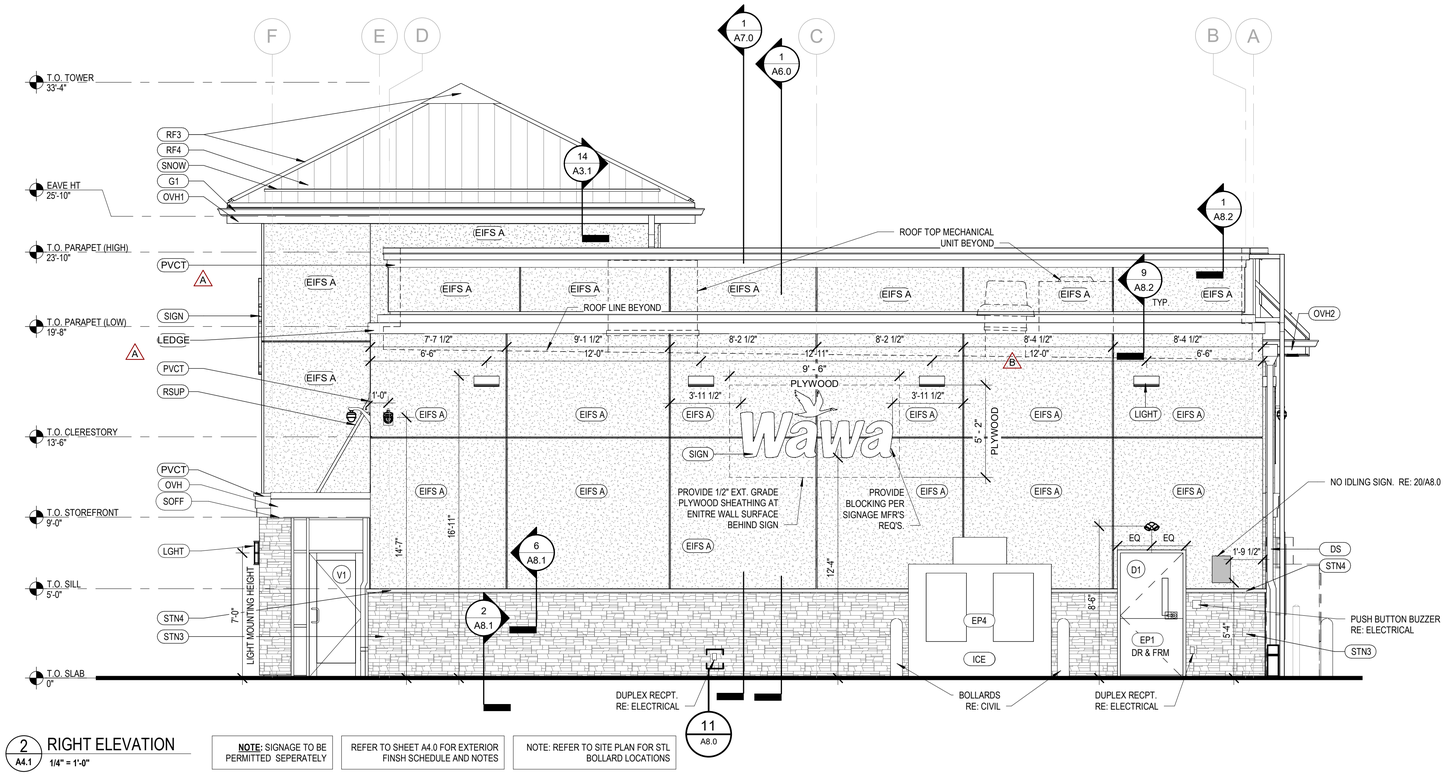


1 A4.1 REAR ELEVATION
1/4" = 1'-0"

NOTE: SIGNAGE TO BE PERMITTED SEPERATELY

REFER TO SHEET A4.0 FOR EXTERIOR FINSH SCHEDULE AND NOTES

REFER TO SITE PLAN FOR STL BOLLARD LOCATIONS



2 A4.1 RIGHT ELEVATION
1/4" = 1'-0"

NOTE: SIGNAGE TO BE PERMITTED SEPERATELY

REFER TO SHEET A4.0 FOR EXTERIOR FINSH SCHEDULE AND NOTES

NOTE: REFER TO SITE PLAN FOR STL BOLLARD LOCATIONS

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A4.1

GLAZING SCHEDULE	
TG	EXTERIOR CLEAR-1" CLEAR INSULATED LOW-E TEMPERED UNITS (1/4" TEMPERED CLEAR GLASS, 1/2" AIR SPACE, 1/4" CLEAR TEMPERED LOW-E ON SURFACE #3)
SPAN 3	EXTERIOR REFLECTIVE – 1" REFLECTIVE INSULATED TEMPERED UNITS (1/4" TEMPERED CLEAR GLASS OUTSIDE, 1/2" AIR SPACE, ¼" PACIFICA GLASS W/ SOLARCOOL2 ON SURFACE #4. WHERE THIS GLASS IS REQUIRED TO BE OPAQUE, PROVIDE BLACK FRIT ON SURFACE #4
T	INTERIOR STOREFRONT GLAZING AND DOOR LITES -1/4" CLEAR TEMPERED SAFETY GLAZING.

STOREFRONT NOTES
1. REFER TO SHEET A4.0 FOR EXTERIOR FINISH SCHEDULE. 2. STOREFRONT TO BE DRY SET.

STOREFRONT SYSTEM
KAWNEER TRIFAB 451 (2"X41/2") FOR EXTERIOR STORE FRONT.
KAWNEER TRIFAB 450 (1 3/4" X 4 1/2") ON INTERIOR STOREFRONT (BETWEEN STORE AND VESTIBULE).
KAWNEER '500' WIDE STILE SWING DOOR WITH 10" HEIGHT BOTTOM RAIL

STOREFRONT LEGEND

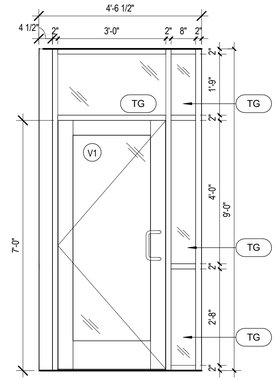
A

GLASS

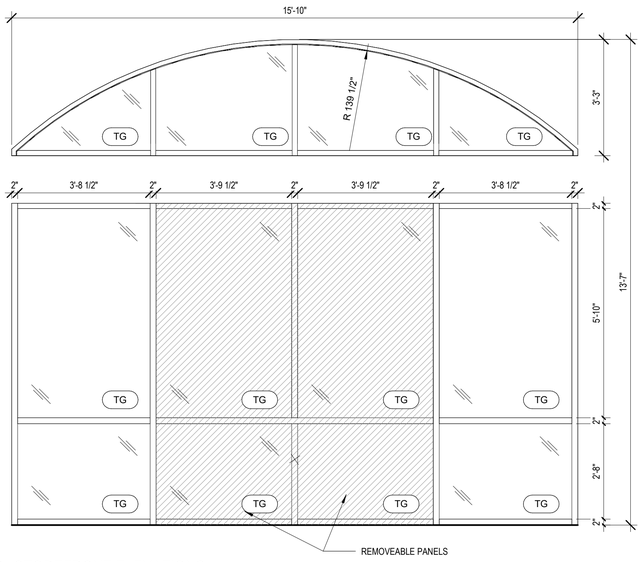
SPANDREL GLASS

METAL TRANSOM

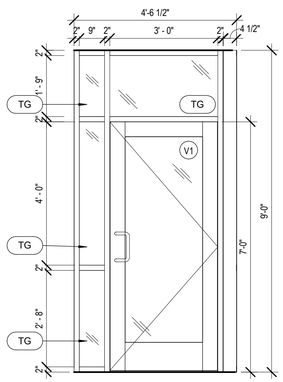
TG — GLAZING TYPE



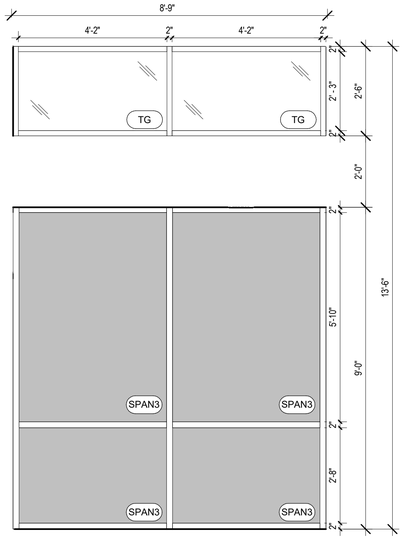
SF5 STOREFRONT ELEVATIONS
A5.0 1/2" = 1'-0"



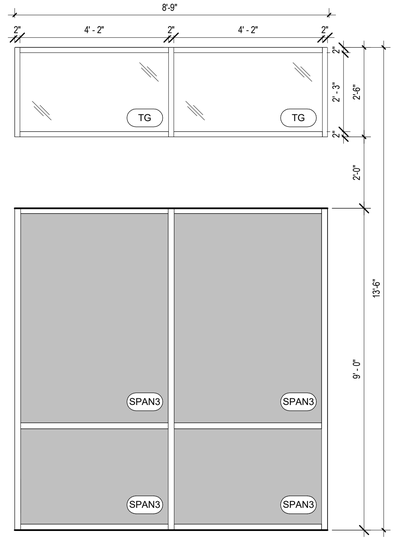
SF4 STOREFRONT ELEVATIONS
A5.0 1/2" = 1'-0"



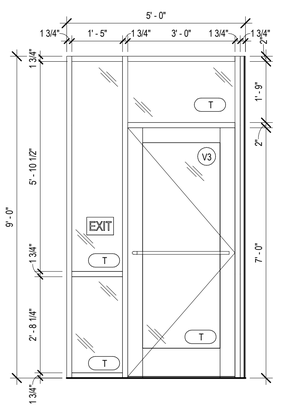
SF3 STOREFRONT ELEVATIONS
A5.0 1/2" = 1'-0"



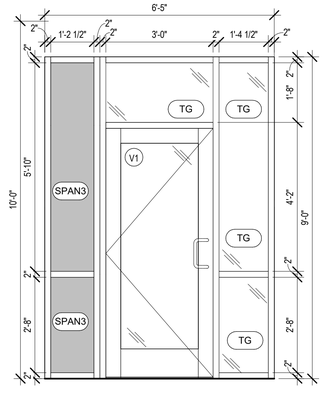
SF2 STOREFRONT ELEVATIONS
A5.0 1/2" = 1'-0"



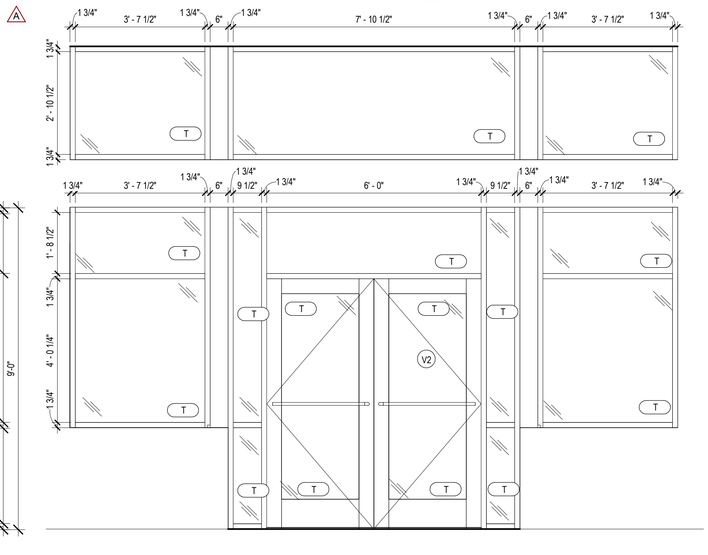
SF1 STOREFRONT ELEVATIONS
A5.0 1/2" = 1'-0"



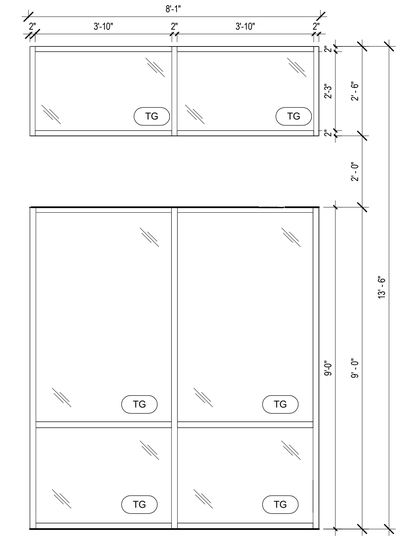
SF10 STOREFRONT ELEVATIONS
A5.0 1/2" = 1'-0"



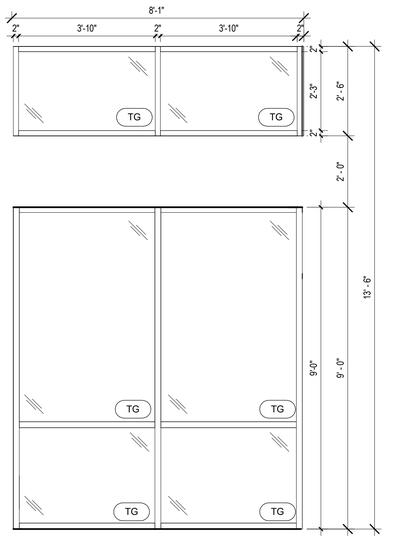
SF9 STOREFRONT ELEVATIONS
A5.0 1/2" = 1'-0"



SF8 STOREFRONT ELEVATIONS
A5.0 1/2" = 1'-0"



SF7 STOREFRONT ELEVATIONS
A5.0 1/2" = 1'-0"



SF6 STOREFRONT ELEVATIONS
A5.0 1/2" = 1'-0"

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STOREFRONT ELEVATIONS

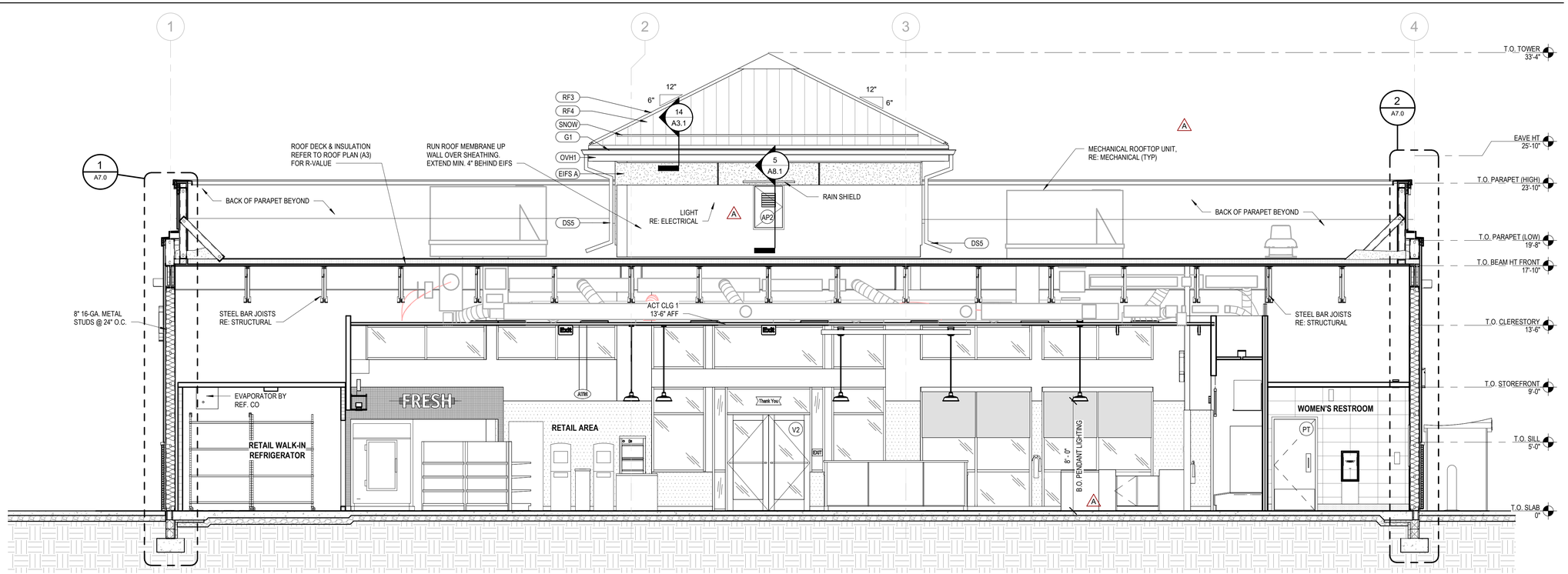
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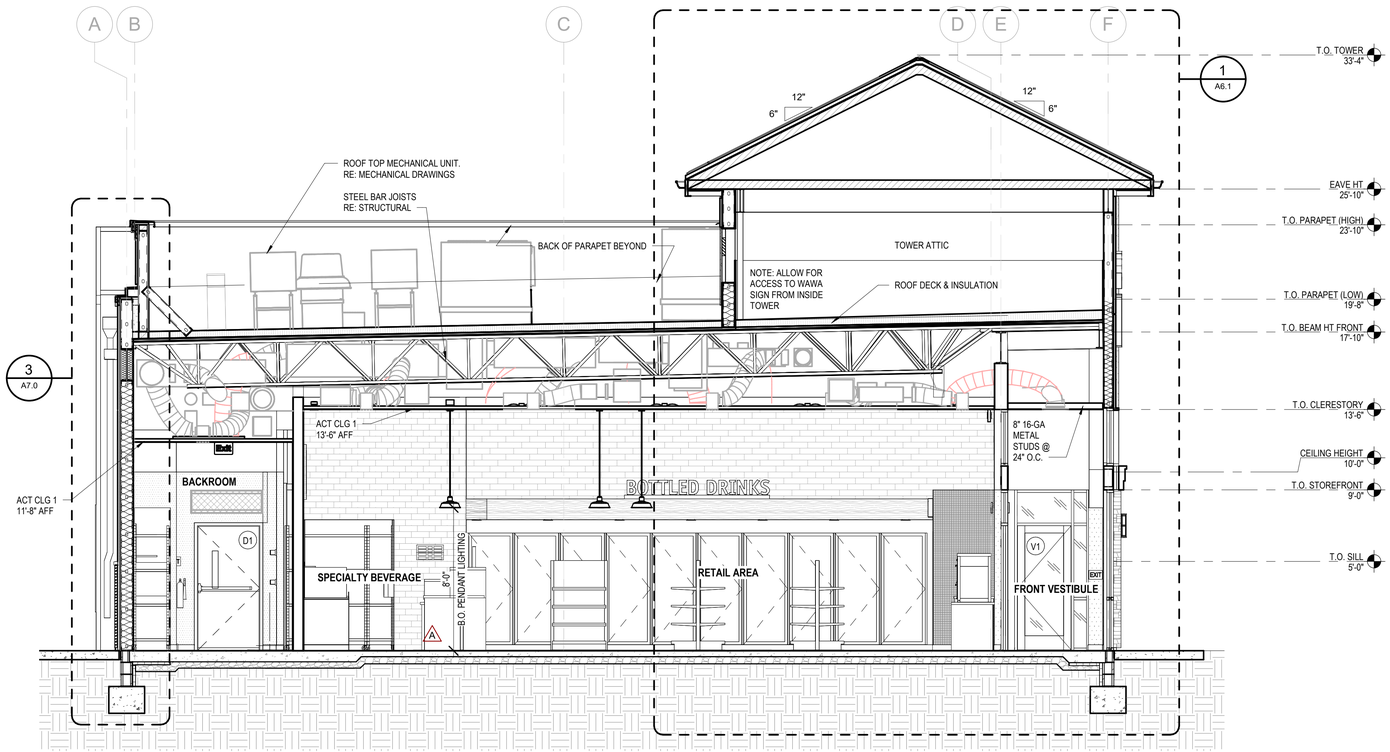
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A5.0



1 A6.0 BUILDING SECTION
1/4" = 1'-0"



2 A6.0 BUILDING SECTION
1/4" = 1'-0"

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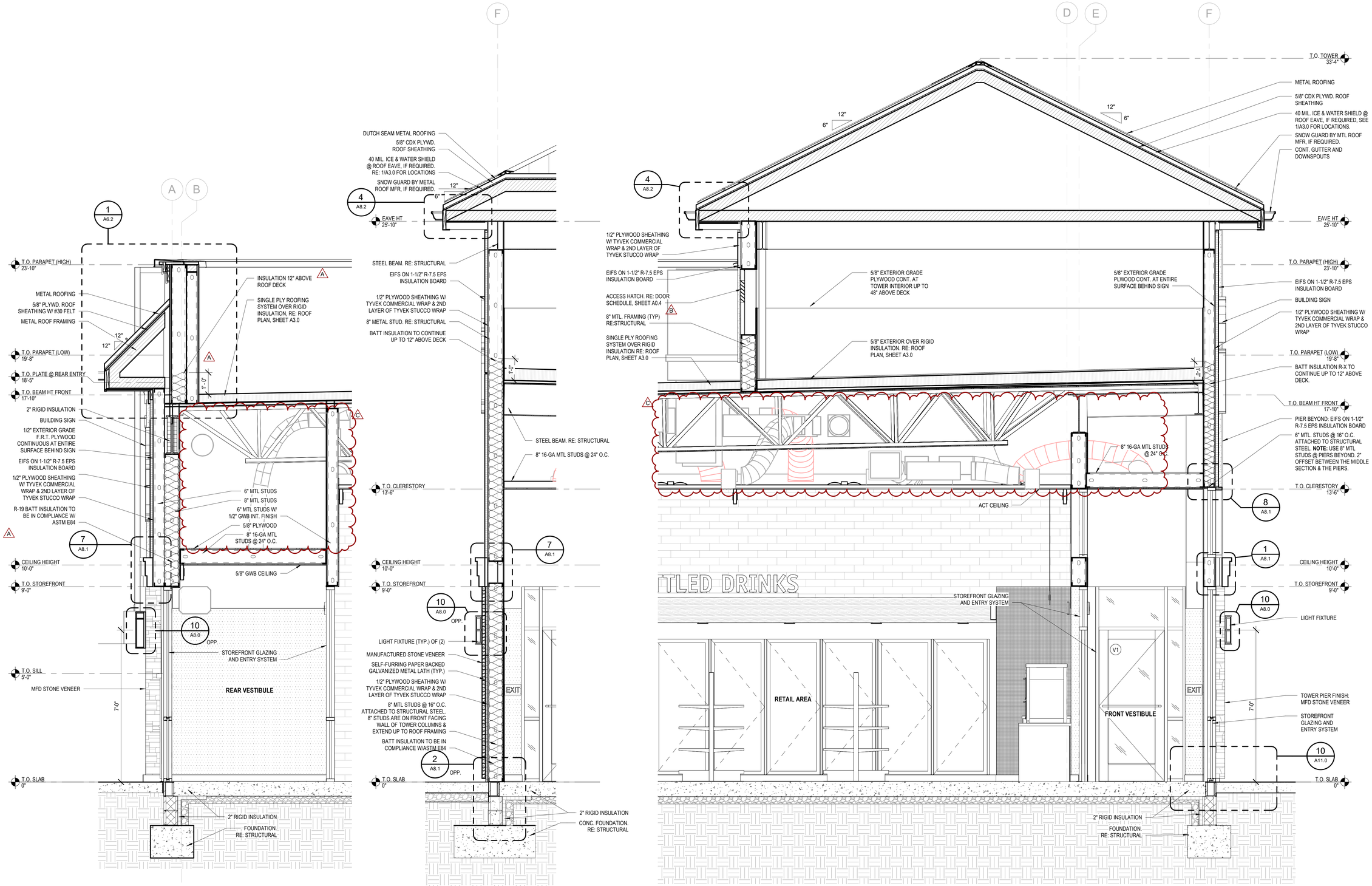
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A6.0



3 A6.1 PARTIAL BUILDING SECTION THRU REAR ENTRY
1/2" = 1'-0"

2 A6.1 SECTION THRU TOWER PIER
1/2" = 1'-0"

1 A6.1 PARTIAL BUILDING SECTION THRU TOWER VESTBULE
1/2" = 1'-0"

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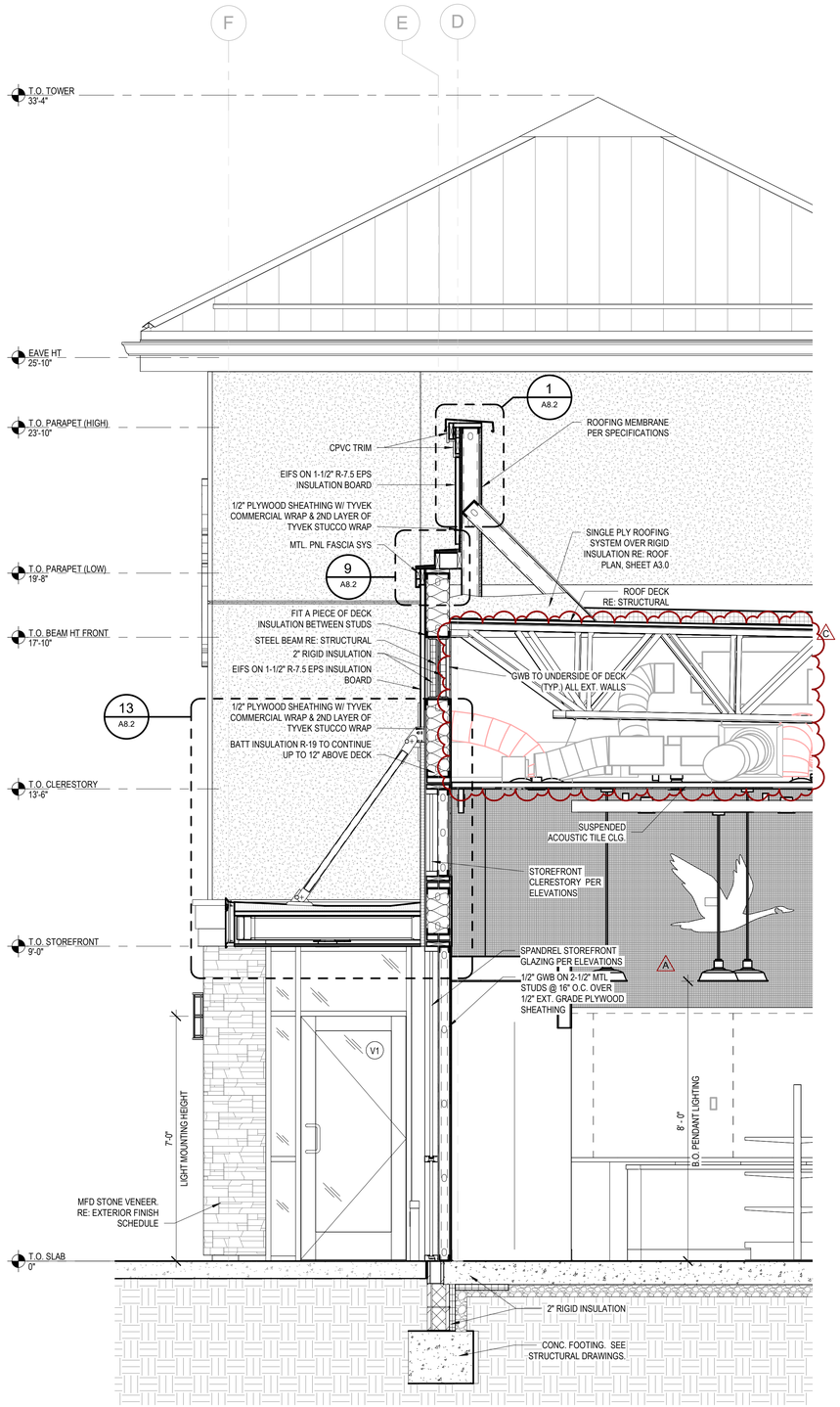
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CHECKED	AB

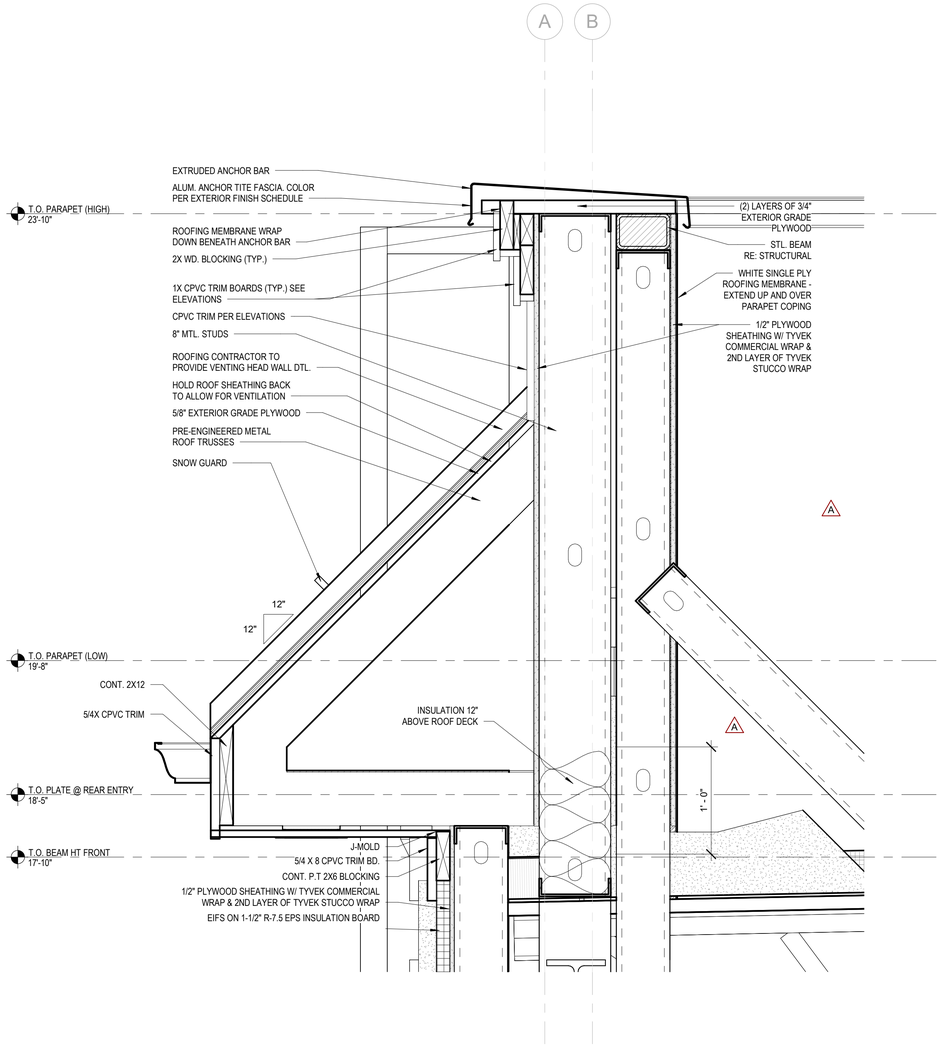
8216
UPPER SOUTHAMPTON, PA

Wawa

A6.1



2 A6.2 FRONT WALL SECTION
1/2" = 1'-0"



1 A6.2 DETAIL @ REAR ENTRY EAVE
1 1/2" = 1'-0"

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300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
PARTIAL BUILDING SECTIONS

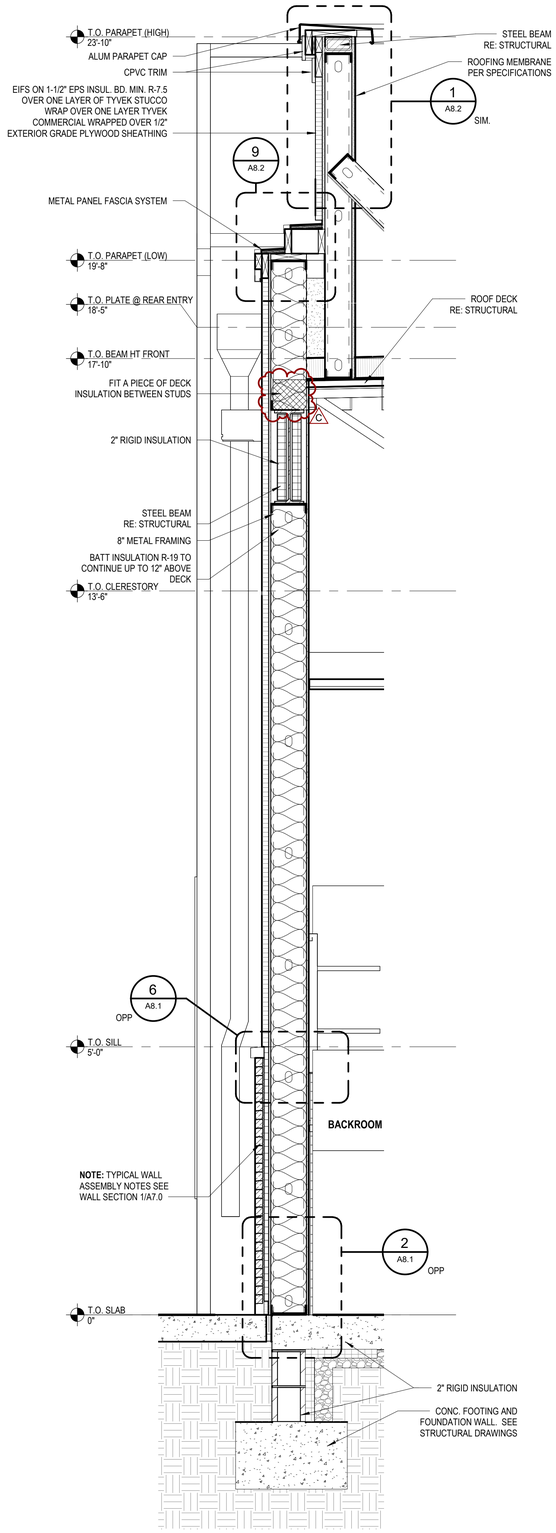
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
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REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE: U45FB-R v2025.Q1
PROJECT NO.: 60698612
DRAWN: RM
CHECKED: AB

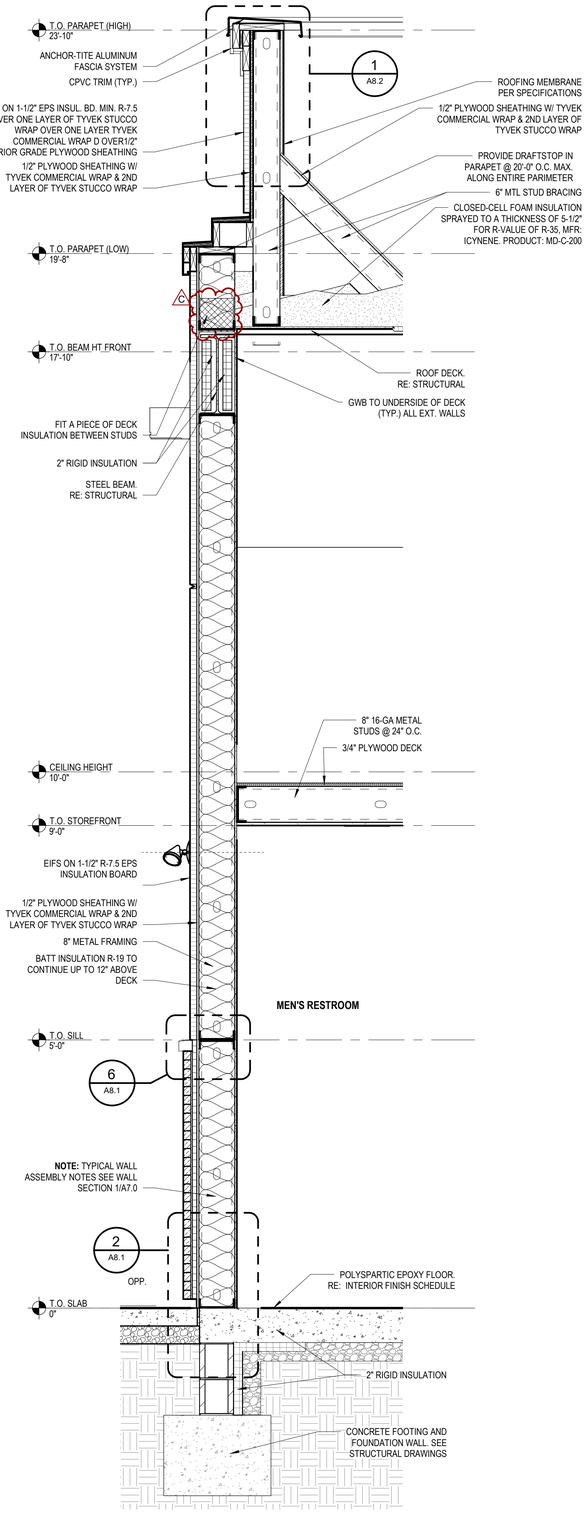
8216
UPPER SOUTHAMPTON, PA

Wawa

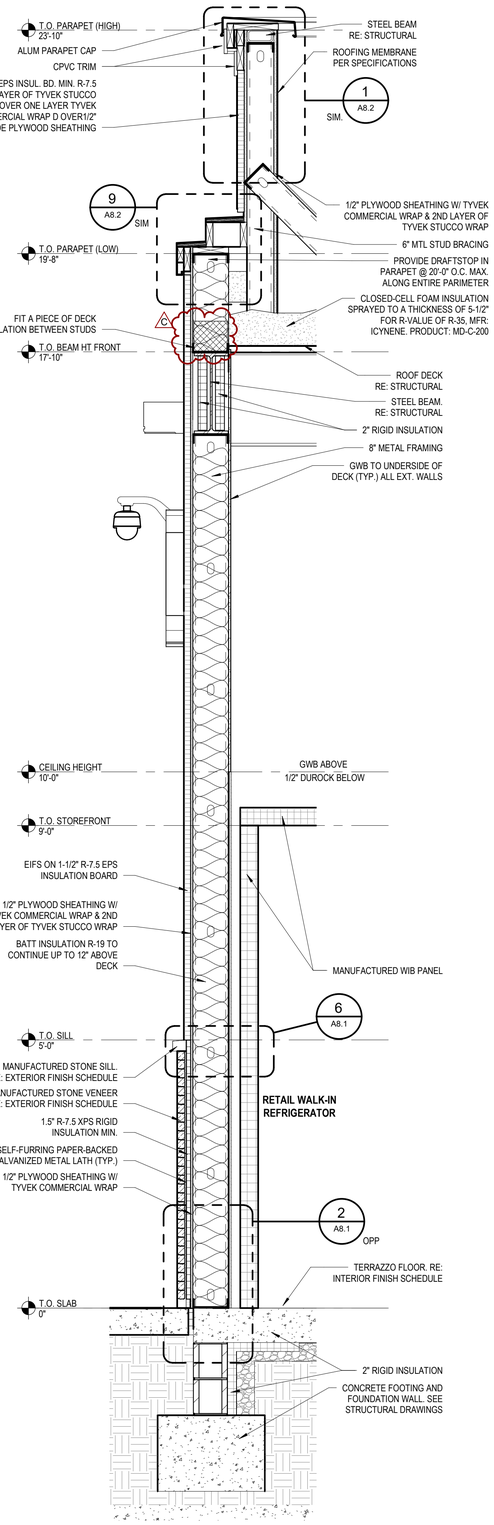
A6.2



3 A7.0 WALL SECTION AT REAR WALL
3/4" = 1'-0"



2 A7.0 WALL SECTION AT SIDE WALL
3/4" = 1'-0"



1 A7.0 WALL SECTION AT COLD BOX
3/4" = 1'-0"

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SHEET TITLE
WALL SECTIONS

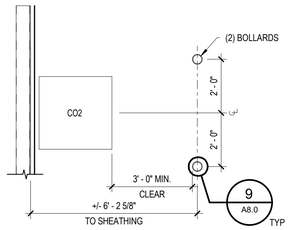
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REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60899612
DRAWN	RM
CHECKED	AB

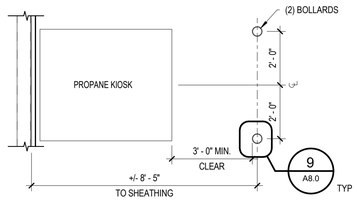
8216
UPPER SOUTHAMPTON, PA

Wawa

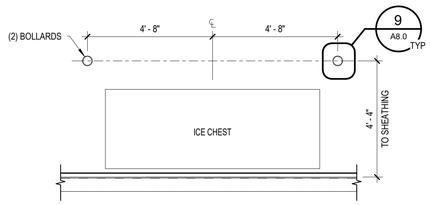
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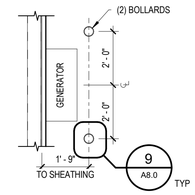
5 A8.0 BOLLARD LOCATION @ CO2 ENCLOSURE
3/8" = 1'-0"



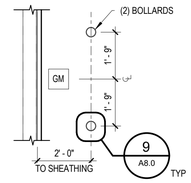
4 A8.0 BOLLARD LOCATION @ PROPANE KIOSK
3/8" = 1'-0"



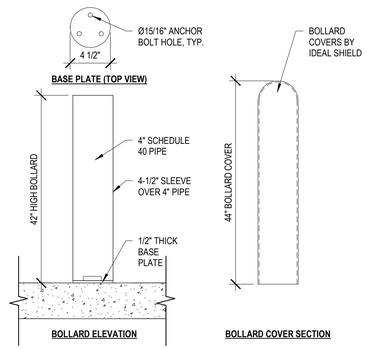
3 A8.0 BOLLARD LOCATION @ ICE CHEST
3/8" = 1'-0"



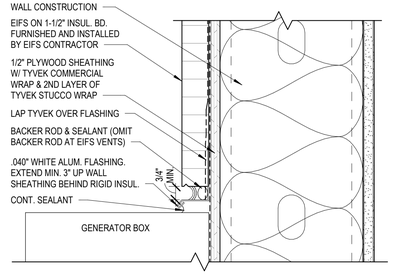
2 A8.0 BOLLARD LOCATION @ GENERATOR
3/8" = 1'-0"



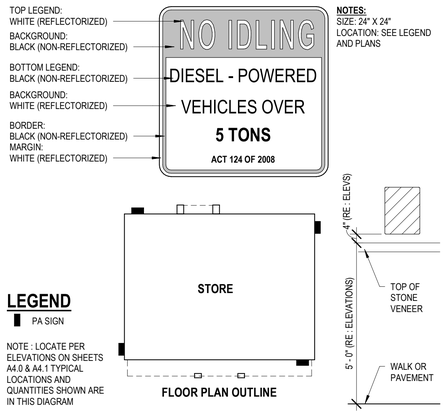
1 A8.0 BOLLARD LOCATION @ GAS METER
3/8" = 1'-0"



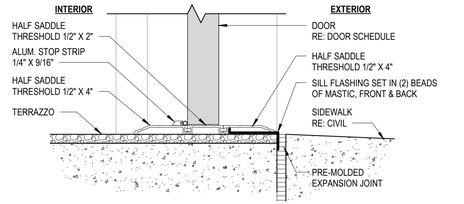
9 A8.0 GENERATOR BOX BOLLARD SECTION
1 1/2" = 1'-0"



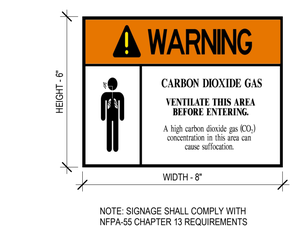
8 A8.0 DETAIL AT GENERATOR BOX
3" = 1'-0"



7 A8.0 NO IDLING SIGN DETAIL
3/4" = 1'-0"

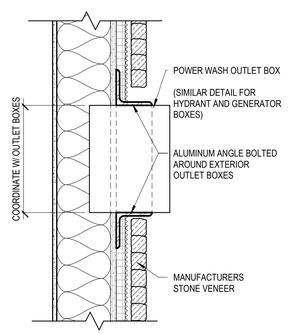


6 A8.0 THRESHOLD DETAIL @ DELIVERY ROOM
N.T.S.

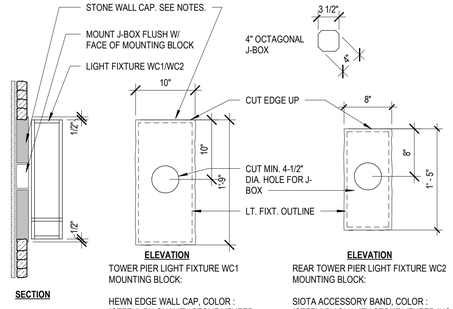


NOTE: SIGNAGE SHALL COMPLY WITH NFPA-55 CHAPTER 13 REQUIREMENTS

12 A8.0 CO2 WARNING SIGNAGE
N.T.S.



11 A8.0 TYP. OUTLET @ NEW STONE
1 1/2" = 1'-0"



10 A8.0 TOWER LIGHT FIXTURE MOUNTING DETAILS
1" = 1'-0"

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PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
EXTERIOR DETAILS

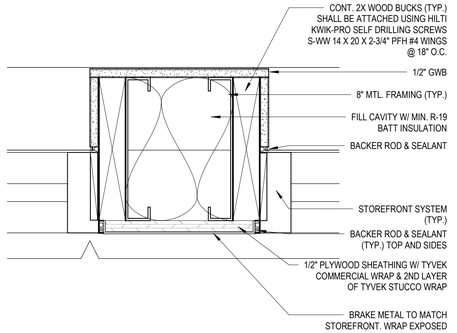
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PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60698612
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

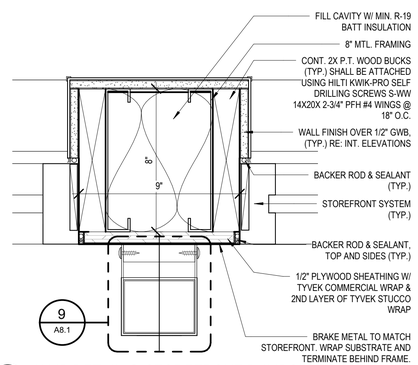
Wawa

A8.0



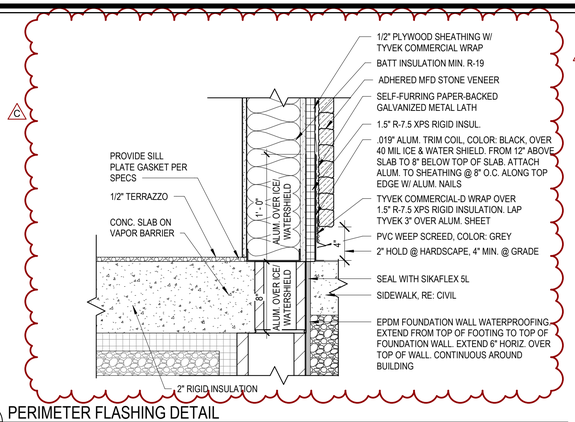
4 A8.1 T.O. STOREFRONT

3" = 1'-0"



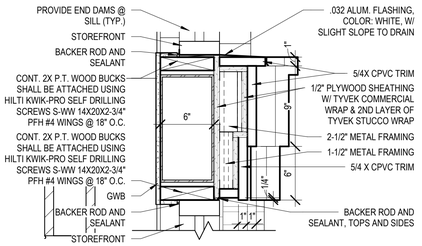
3 A8.1 JAMB DETAIL @ STOREFRONT BUMPOUT

3" = 1'-0"



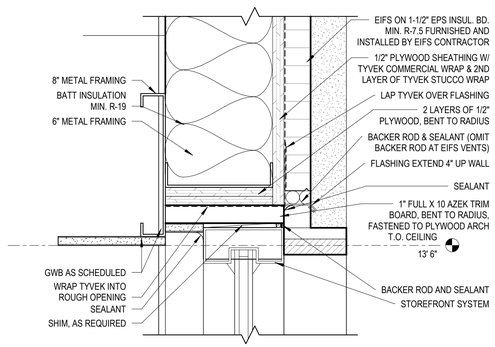
2 A8.1 PERIMETER FLASHING DETAIL

1 1/2" = 1'-0"



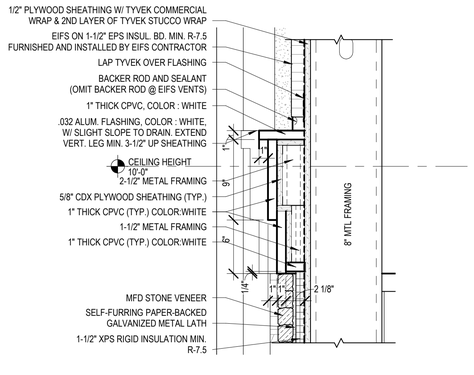
1 A8.1 TRIM DETAIL BETWEEN TRANSOM AND STOREFRONT AT FRONT ENTRY

1 1/2" = 1'-0"



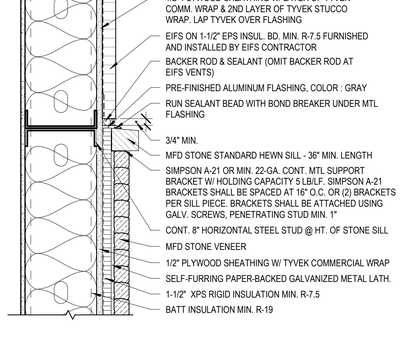
8 A8.1 HEAD DETAIL @ ARCHED STOREFRONT

3" = 1'-0"



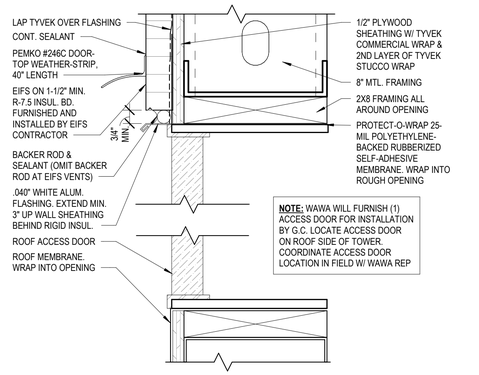
7 A8.1 TOWER PIER TRIM DETAIL

1 1/2" = 1'-0"



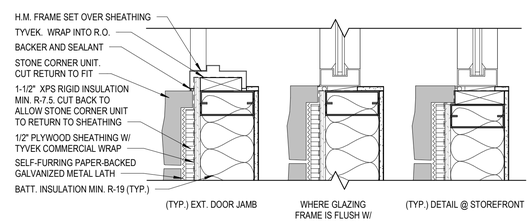
6 A8.1 TOP OF STONE DETAIL

1 1/2" = 1'-0"



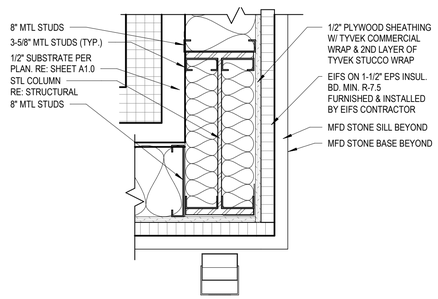
5 A8.1 TOWER ACCESS DOOR DETAIL

3" = 1'-0"



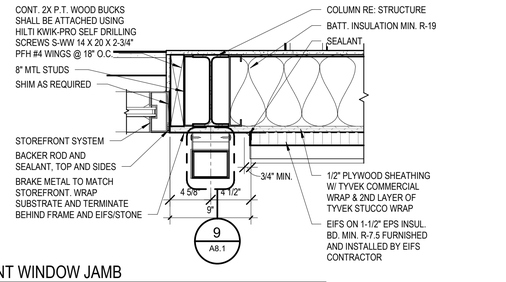
12 A8.1 TYP. STONE JAMB DETAILS

1 1/2" = 1'-0"



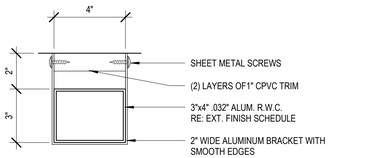
11 A8.1 DETAIL @ STRUCT. COLUMN

1 1/2" = 1'-0"



10 A8.1 FRONT WINDOW JAMB

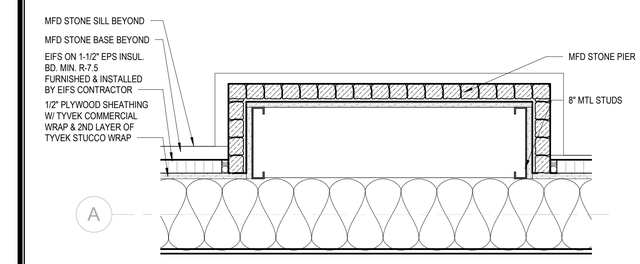
1 1/2" = 1'-0"



NOTE: PRE-FABRICATED RIBBED DOWNSPOUT ARE NOT ALLOWED

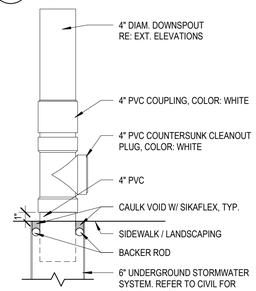
9 A8.1 RWC BRACKET DETAIL @ STOREFRONT

3" = 1'-0"



16 A8.1 DETAIL AT REAR VESTIBULE PIER

1 1/2" = 1'-0"

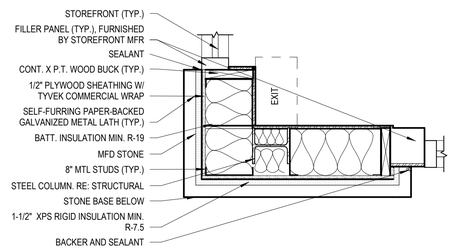


15 A8.1 ADAPTER DETAIL @ REAR DOWNSPOUTS

1 1/2" = 1'-0"

14 A8.1 NOT USED

3/4" = 1'-0"



13 A8.1 TOWER PIER PLAN DETAIL

1" = 1'-0"

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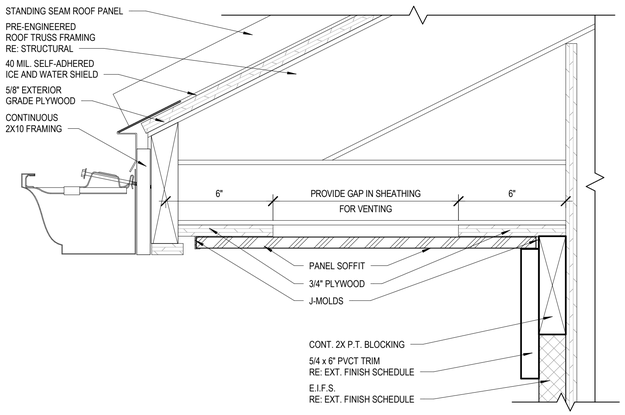
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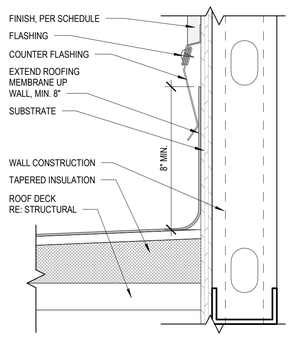
PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60695612
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

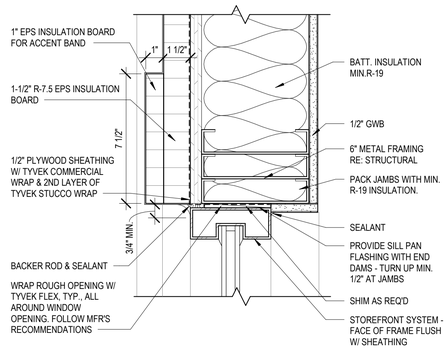
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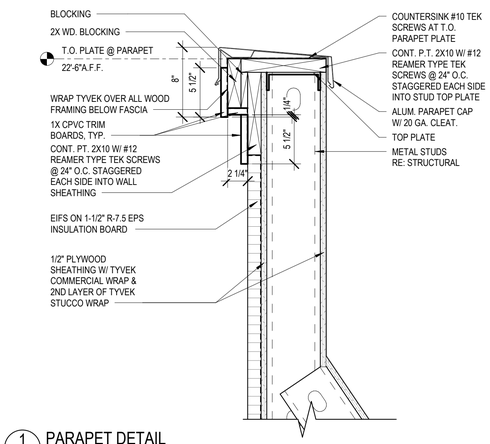
4 A8.2 TOWER EAVE DETAIL
3" = 1'-0"



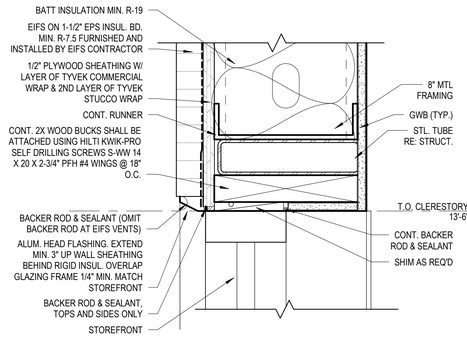
3 A8.2 TRANSITION AT ROOFING/EXTERIOR FINISH
3" = 1'-0"



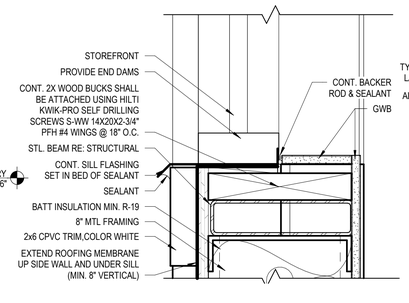
2 A8.2 WINDOW JAMB DETAIL
3" = 1'-0"



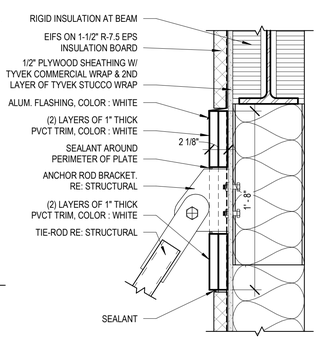
1 A8.2 PARAPET DETAIL
1 1/2" = 1'-0"



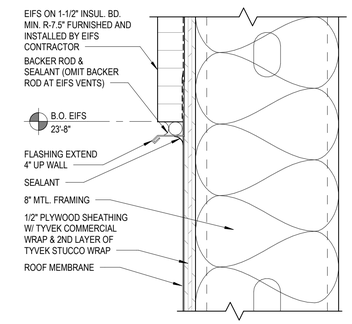
8 A8.2 STOREFRONT HEAD DETAIL
3" = 1'-0"



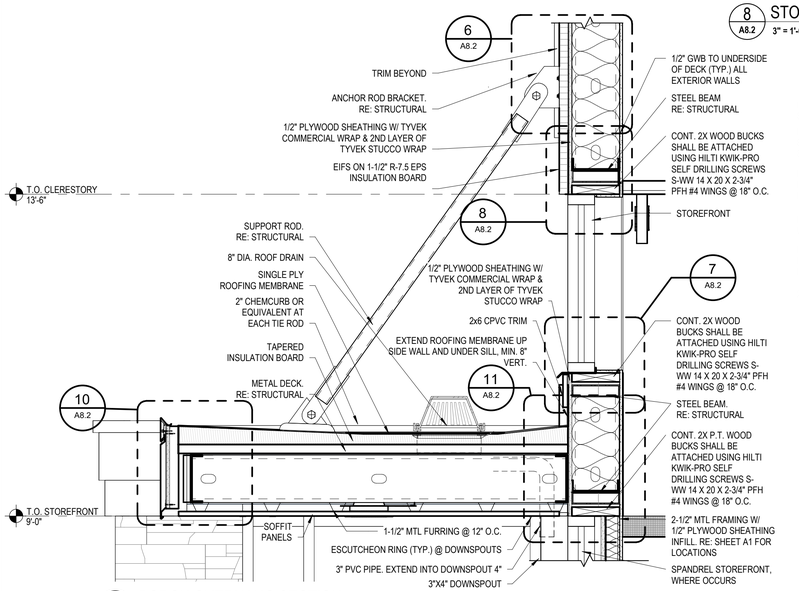
7 A8.2 STOREFRONT SILL DETAIL
3" = 1'-0"



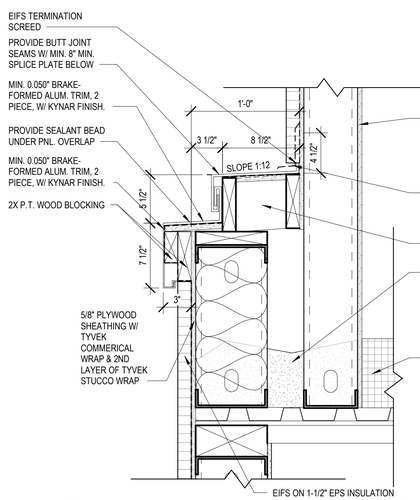
6 A8.2 HANGER ROD DETAIL
1 1/2" = 1'-0"



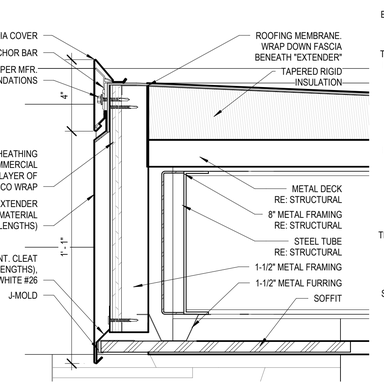
5 A8.2 TOWER DETAIL AT EIFS/MEMBRANE
3" = 1'-0"



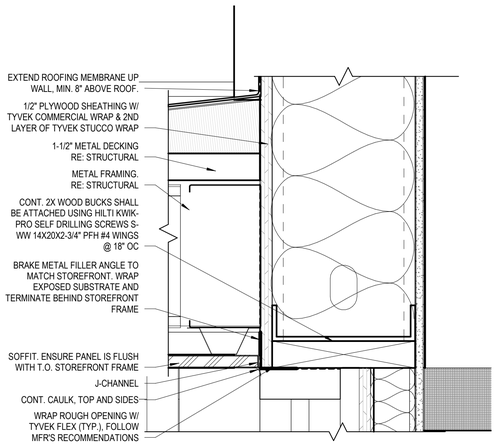
13 A8.2 PORCH OVERHANG SECTION
1" = 1'-0"



9 A8.2 METAL FASCIA DETAIL
1 1/2" = 1'-0"



10 A8.2 OVERHANG FASCIA DETAIL
3" = 1'-0"



11 A8.2 OVERHANG @ STOREFRONT
3" = 1'-0"

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973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST PIKE
UPPER SOUTHAMPTON, PA

SHEET TITLE
EXTERIOR DETAILS

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	PROJECT NO.	DRAWN	CHECKED
U45FB-R v2025.Q1	60695812	RM	AB

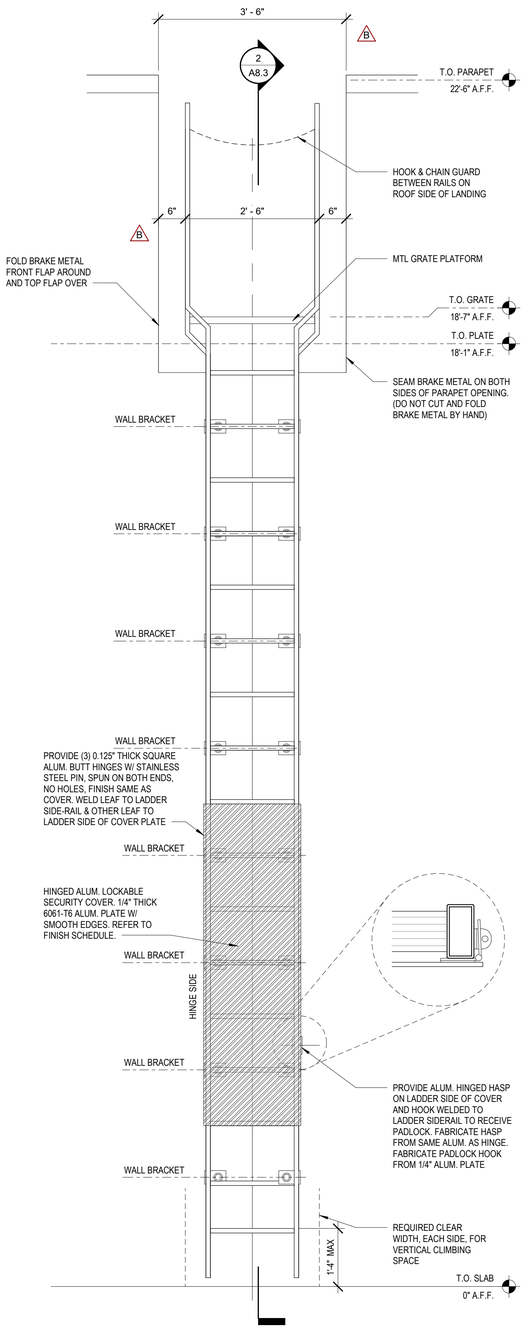
8216
UPPER SOUTHAMPTON, PA

Wawa

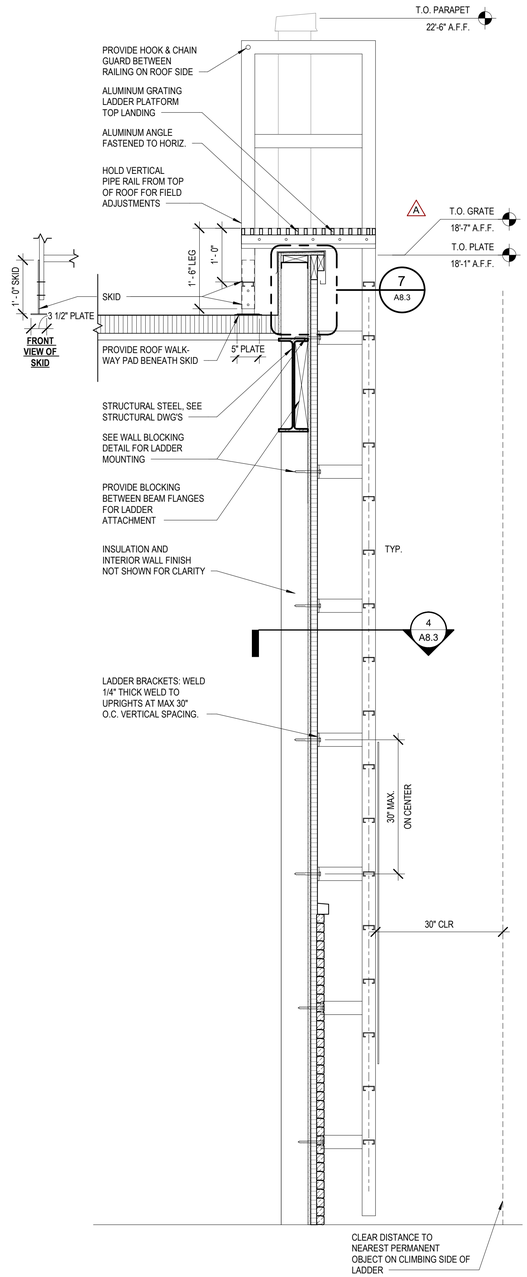
A8.2

ROOF LADDER GENERAL NOTES

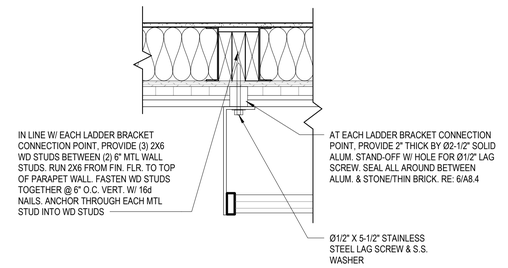
1. LADDER SHALL CONFORM TO OSHA (1910.27) AND ANSI A14.3-2008 STANDARDS. FIELD MEASURE AND SUBMIT SHOP DRAWINGS FOR REVIEW & APPROVAL PRIOR TO FABRICATION.
2. LADDER RUNGS SHALL BE DESIGNED TO WITHSTAND A CONCENTRATED LOAD OF 300 POUNDS PLUS 30% IMPACT. MAXIMUM RUNG DEFLECTION SHALL NOT EXCEED L/360. THE DESIGN LOAD SHALL BE APPLIED AT THE CENTER OF THE RUNG ON A 4" WIDE AREA.
3. LADDER SIDE RAILS SHALL BE DESIGNED TO WITHSTAND A MINIMUM LIVE LOAD OF TWO 300 POUND LOADS PLUS 30% IMPACT CONCENTRATED BETWEEN ANY TWO CONSECUTIVE ATTACHMENTS.
4. GRATING SHALL SUPPORT A UNIFORM LOAD OF 200 POUNDS PER SQUARE FOOT WITH A DEFLECTION OF NOT MORE THAN 1/4".
5. ALL LADDER COMPONENTS SHALL BE POWDER-COATED, TO MATCH PARAPET CAP COLOR.
6. LADDER SUPPLIED AND INSTALLED BY WAWA.



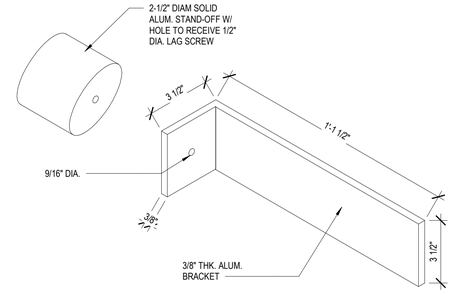
1 A8.3 FIXED LADDER ELEVATION
3/4" = 1'-0"



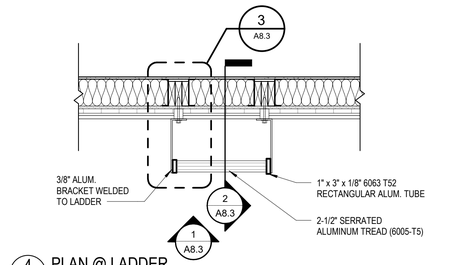
2 A8.3 LADDER SECTION
3/4" = 1'-0"



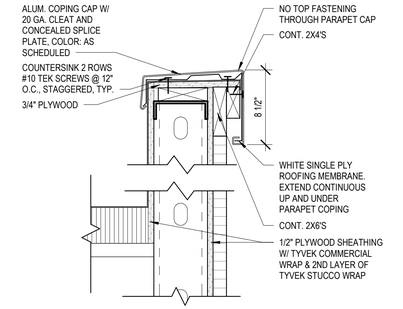
3 A8.3 WALL BLOCKING DTL
1 1/2" = 1'-0"



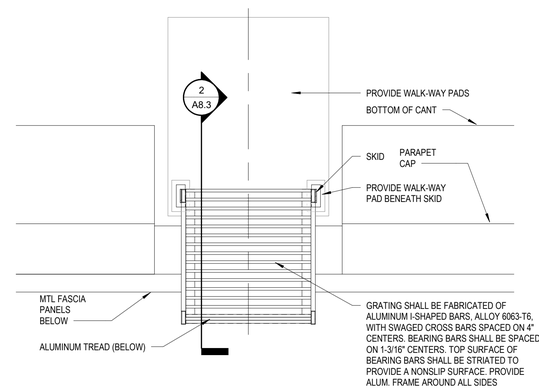
6 A8.3 BRACKET DETAIL
3" = 1'-0"



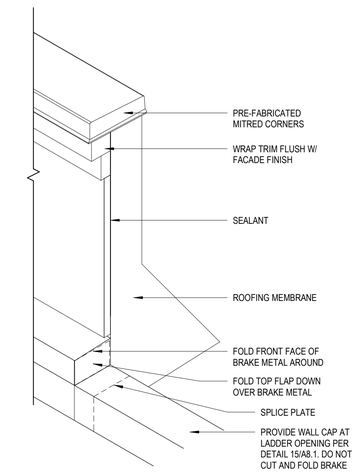
4 A8.3 PLAN @ LADDER
3/4" = 1'-0"



7 A8.3 PARAPET CAP DETAIL
1 1/2" = 1'-0"



5 A8.3 LADDER PLAN @ PLATFORM
3/4" = 1'-0"



8 A8.3 LADDER OPENING DETAIL
1" = 1'-0"

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CLIENT NAME
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PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
EXTERIOR LADDER DETAILS

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
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REV C - REVISED IFC SET	04/11/2025

PROTOTYPE: U45FB-R v2025.Q1
PROJECT NO.: 60699812
DRAWN: RM
CHECKED: AB

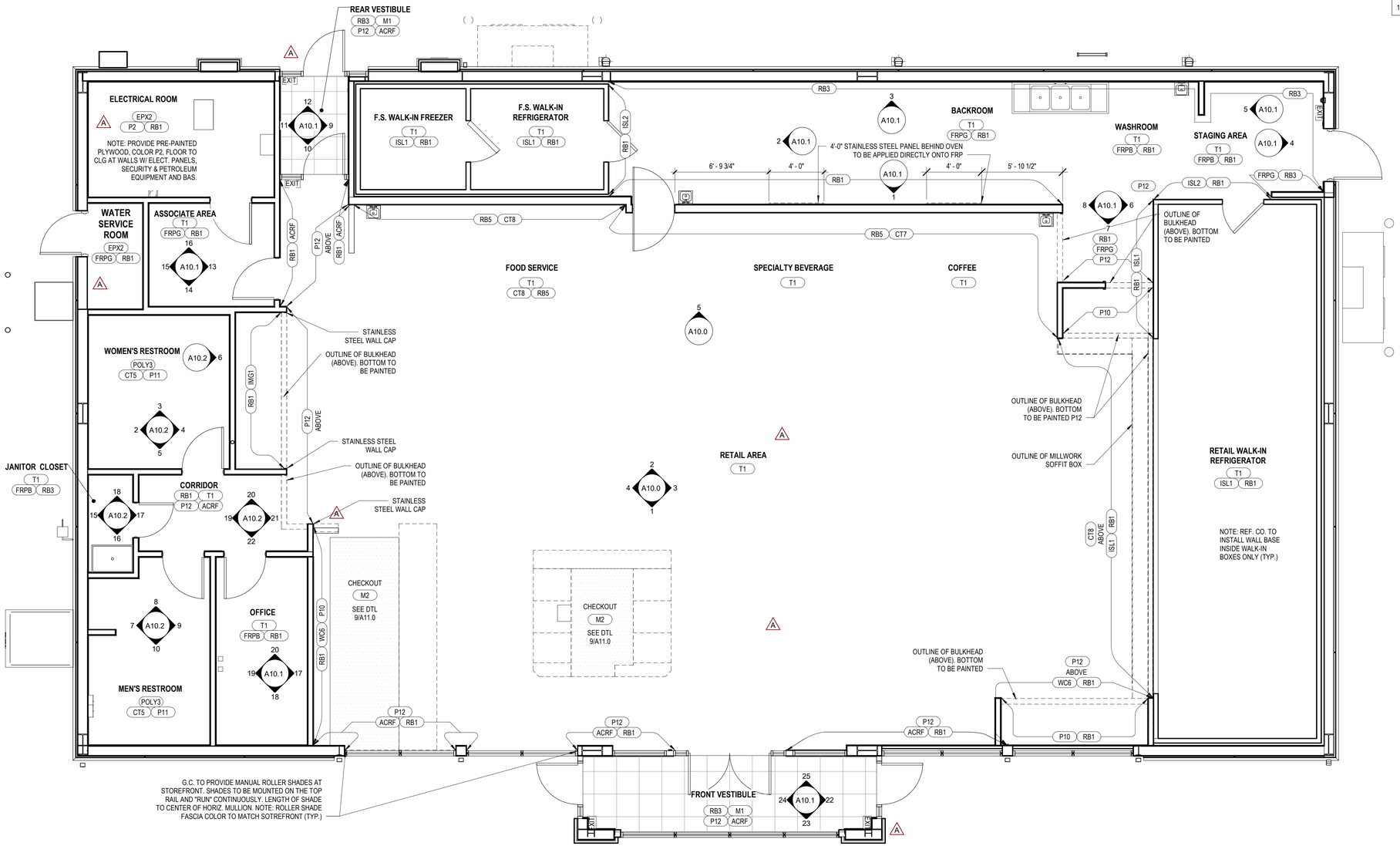
8216
UPPER SOUTHAMPTON, PA

Wawa

A8.3

GENERAL NOTES

1. USE RB1 BASE AT ALL CABINETRY.
2. PROVIDE SCHLUTER STRIPS AT TILED CORNERS AND AS NOTED ON THE PLANS & ELEVATIONS PER SPECIFICATIONS.
3. ALL HALF ROUND WOOD TRIM SHALL BE PAINTED P-12, U.N.O.
4. MITER CUT ALL TRIM - NO BUTT JOINTS.
5. PROVIDE CORNER COVE BASE AT ALL CORNERS.
6. NO FINGER JOINTED WOOD TRIM.
7. REFERENCE SHEET EQ1.0 FOR SPECIFIC EQUIPMENT IDENTIFIED HERE-IN.
8. ALL FINISHES INSTALLED BY GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
9. ALL TILE, GROUT, AND SILICONE SEALANT FOR FRP AND TILE AREAS TO BE SUPPLIED BY WAWA VENDOR AND INSTALLED BY G.C. ALL MASTIC AND THINSET MORTAR TO BE SUPPLIED AND INSTALLED BY G.C
10. REFER TO GRAPHICS ELEVATIONS, SHEET G1.0 FOR MORE INFORMATION.



1 A9.0 FLOOR FINISH PLAN
1/4" = 1'-0"

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PROJECT NAME
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WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
FINISH FLOOR PLAN

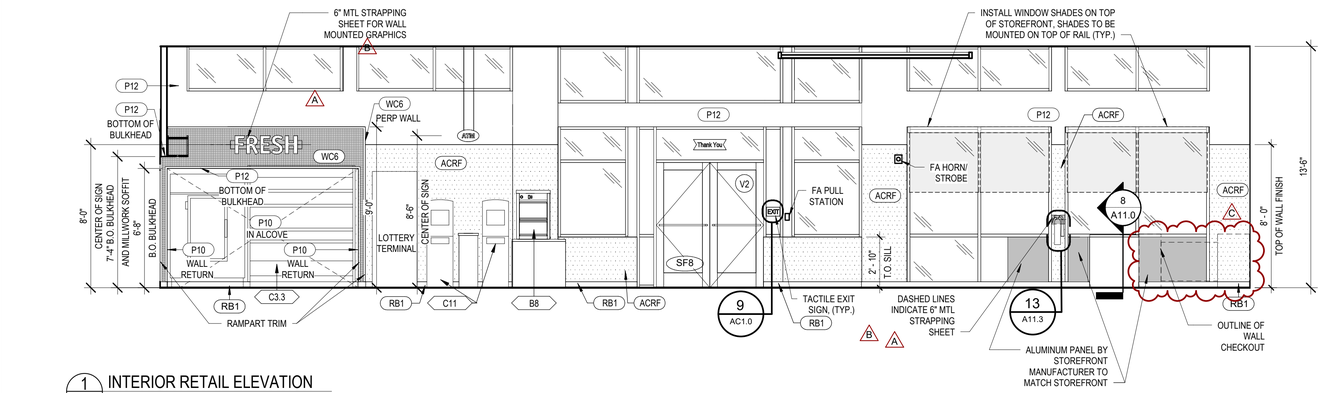
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
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REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60659812
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

Wawa

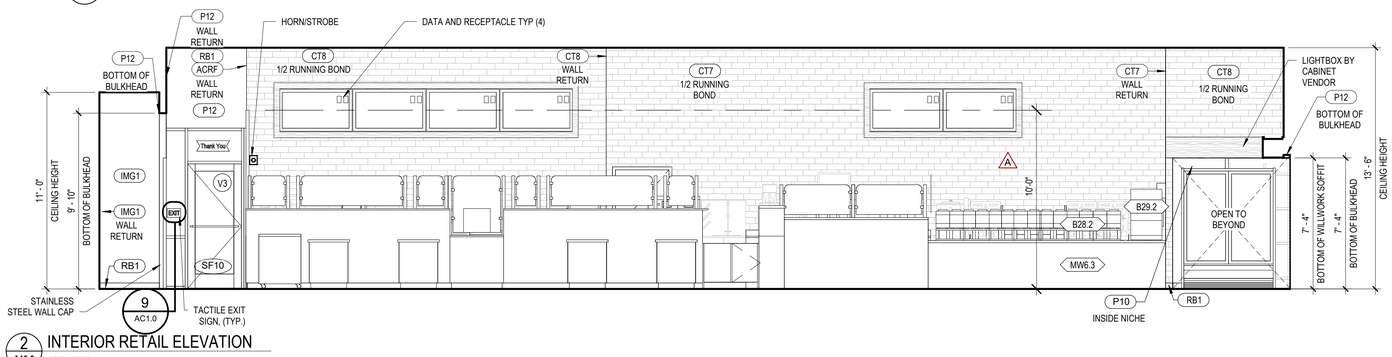
A9.0



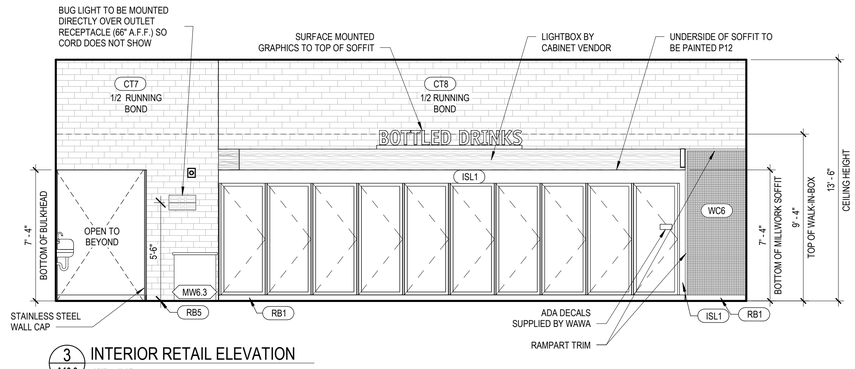
1 A10.0 INTERIOR RETAIL ELEVATION
1/4" = 1'-0"

GENERAL NOTES

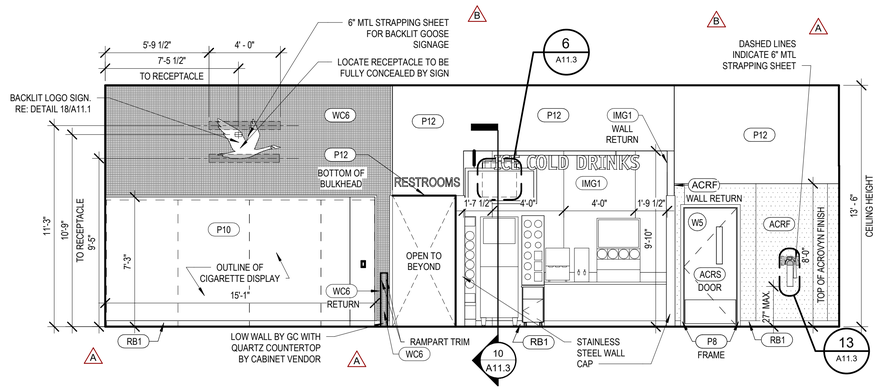
1. USE RB1 BASE AT ALL CABINETRY.
2. PROVIDE SCHLUTER STRIPS AT TILED CORNERS AND AS NOTED ON THE PLANS & ELEVATIONS PER SPECIFICATIONS.
3. ALL HALF ROUND WOOD TRIM SHALL BE PAINTED P12, U.N.O.
4. MITER CUT ALL TRIM - NO BUTT JOINTS.
5. PROVIDE CORNER COVE BASE AT ALL CORNERS.
6. NO FINGER JOINTED WOOD TRIM.
7. REFERENCE SHEET EQ1 FOR SPECIFIC EQUIPMENT IDENTIFIED HERE-IN.
8. ALL TILE, GROUT AND SILICONE SEALANT FOR FRP AND TILED AREAS TO BE SUPPLIED BY WAWA VENDOR AND INSTALLED BY GC. ALL MASTIC AND THIN SET MORTAR TO BE SUPPLIED AND INSTALLED BY GC.
9. ALL FINISHES INSTALLED BY GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
10. REFER TO GRAPHICS ELEVATIONS, SHEET G1, FOR MORE INFORMATION



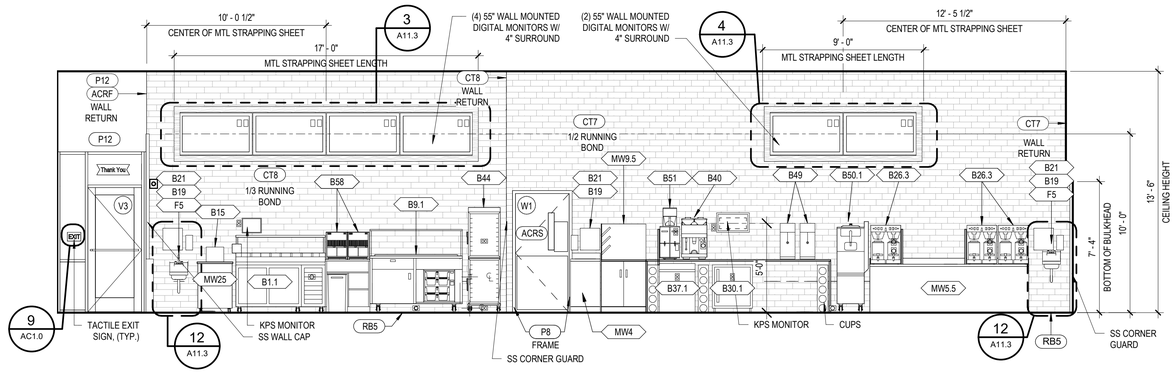
2 A10.0 INTERIOR RETAIL ELEVATION
1/4" = 1'-0"



3 A10.0 INTERIOR RETAIL ELEVATION
1/4" = 1'-0"



4 A10.0 INTERIOR RETAIL ELEVATION
1/4" = 1'-0"



5 A10.0 INTERIOR RETAIL ELEVATION
1/4" = 1'-0"

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280 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
RETAIL ELEVATIONS & SCHEDULES

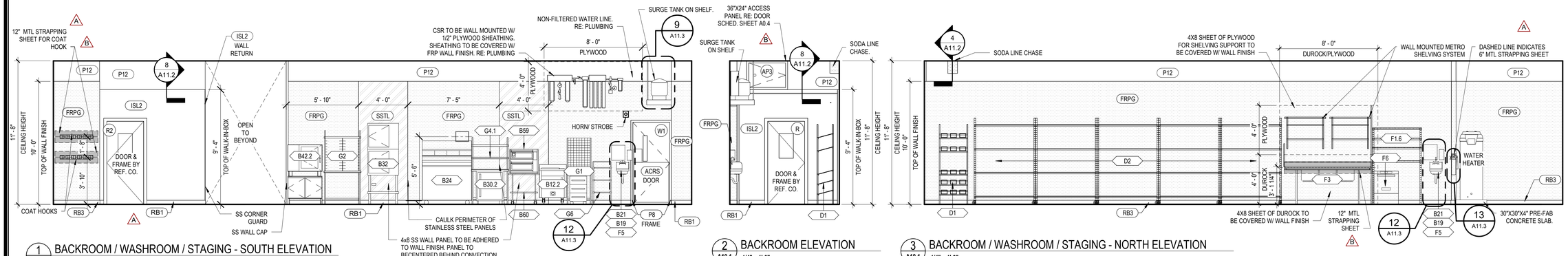
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REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60699812
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

Wawa

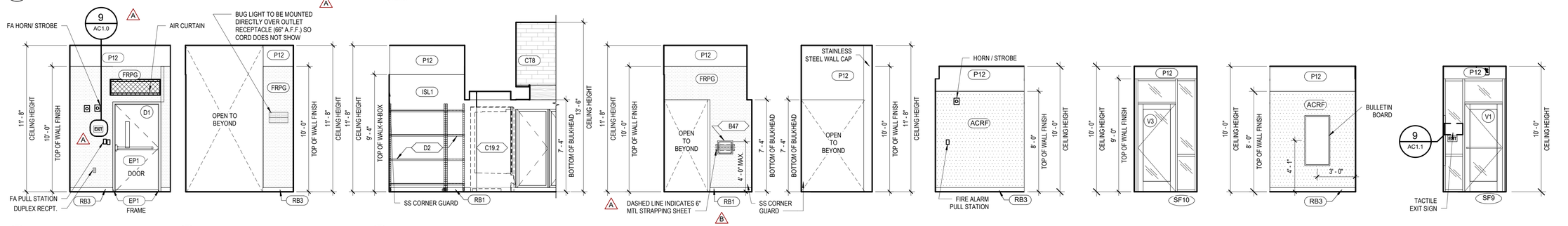
A10.0



1 A10.1 BACKROOM / WASHROOM / STAGING - SOUTH ELEVATION
1/4" = 1'-0"

2 A10.1 BACKROOM ELEVATION
1/4" = 1'-0"

3 A10.1 BACKROOM / WASHROOM / STAGING - NORTH ELEVATION
1/4" = 1'-0"



4 A10.1 DELIVERY STAGING ELEV.
1/4" = 1'-0"

5 A10.1 BACKROOM ELEVATION
1/4" = 1'-0"

6 A10.1 BACKROOM ELEVATION
1/4" = 1'-0"

7 A10.1 BACKROOM ELEVATION
1/4" = 1'-0"

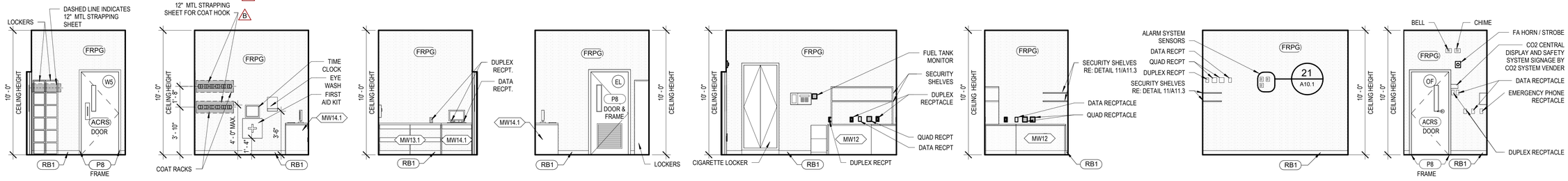
8 A10.1 BACKROOM ELEVATION
1/4" = 1'-0"

9 A10.1 REAR VESTIBULE ELEV.
1/4" = 1'-0"

10 A10.1 REAR VESTIBULE ELEV.
1/4" = 1'-0"

11 A10.1 REAR VESTIBULE ELEV.
1/4" = 1'-0"

12 A10.1 REAR VESTIBULE ELEV.
1/4" = 1'-0"



13 A10.1 ASSOCIATES ELEVATION
1/4" = 1'-0"

14 A10.1 ASSOCIATES ELEVATION
1/4" = 1'-0"

15 A10.1 ASSOCIATES ELEVATION
1/4" = 1'-0"

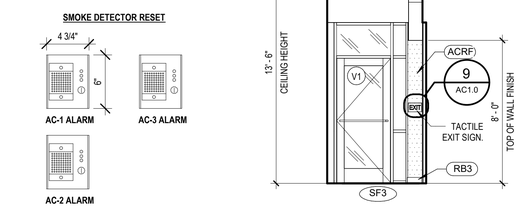
16 A10.1 ASSOCIATES ELEVATION
1/4" = 1'-0"

17 A10.1 OFFICE ELEVATION
1/4" = 1'-0"

18 A10.1 OFFICE ELEVATION
1/4" = 1'-0"

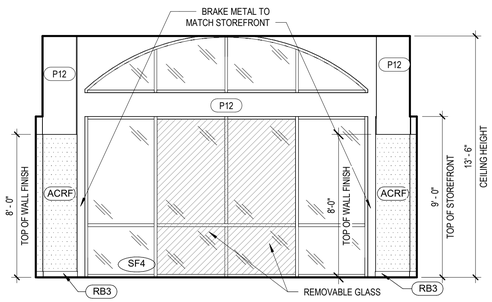
19 A10.1 OFFICE ELEVATION
1/4" = 1'-0"

20 A10.1 OFFICE ELEVATION
1/4" = 1'-0"

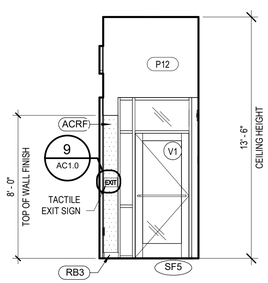


21 A10.1 OFFICE CONTROL PANELS
1 1/2" = 1'-0"

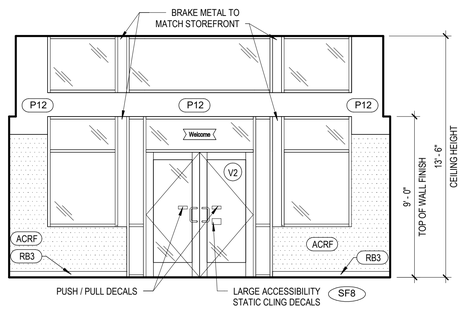
22 A10.1 FRONT VESTIBULE ELEV.
1/4" = 1'-0"



23 A10.1 FRONT VESTIBULE ELEV.
1/4" = 1'-0"



24 A10.1 FRONT VESTIBULE ELEV.
1/4" = 1'-0"



25 A10.1 FRONT VESTIBULE ELEV.
1/4" = 1'-0"

NOTES:
A. DECAL PLACEMENT IS TYPICAL FOR BOTH SETS OF VESTIBULE DOORS.
B. DECALS SUPPLIED BY WAWA

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WAWA INC.
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WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
INTERIOR ELEVATIONS

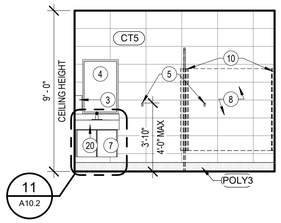
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REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60659612
DRAWN	RM
CHECKED	AB

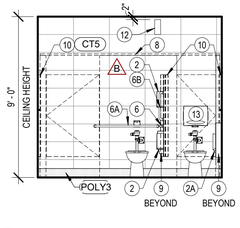
8216
UPPER SOUTHAMPTON, PA

Wawa

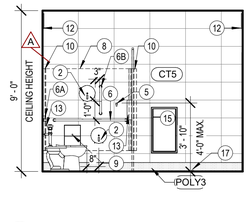
A10.1



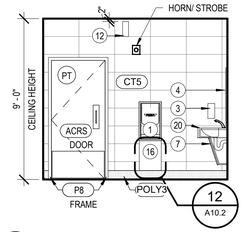
2 A10.2 WOMEN'S ELEVATION
1/4" = 1'-0"



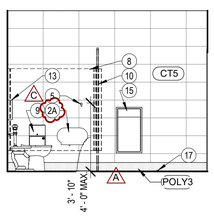
3 A10.2 WOMEN'S ELEVATION
1/4" = 1'-0"



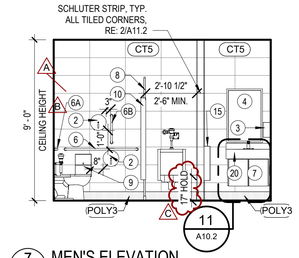
4 A10.2 WOMEN'S ELEVATION
1/4" = 1'-0"



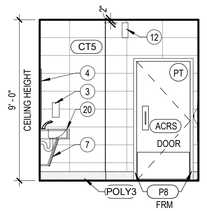
5 A10.2 WOMEN'S ELEVATION
1/4" = 1'-0"



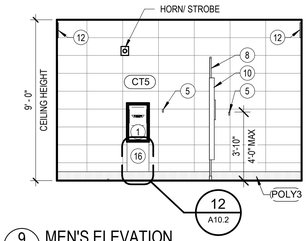
6 A10.2 WOMEN'S ELEVATION
1/4" = 1'-0"



7 A10.2 MEN'S ELEVATION
1/4" = 1'-0"

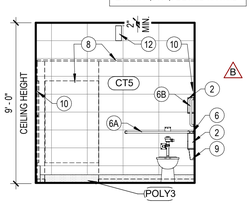


8 A10.2 MEN'S ELEVATION
1/4" = 1'-0"



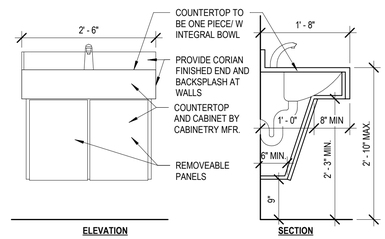
9 A10.2 MEN'S ELEVATION
1/4" = 1'-0"

FOR RESTROOM FINISHES
REFER TO TILE PATTERN
LAYOUT (TYP.), DETAIL 10/A10.2

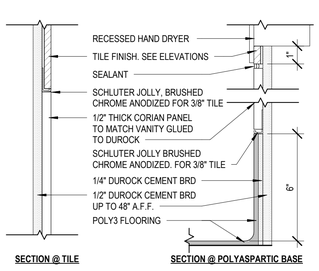


10 A10.2 MEN'S ELEVATION
1/4" = 1'-0"

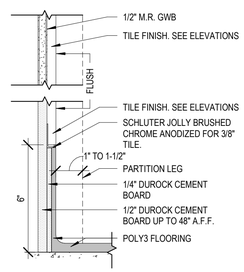
FOR RESTROOM FINISHES
REFER TO TILE PATTERN
LAYOUT (TYP.), DETAIL 10/A10.0



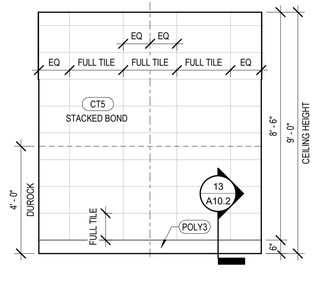
11 A10.2 LAVATORY ELEVATION
3/4" = 1'-0"



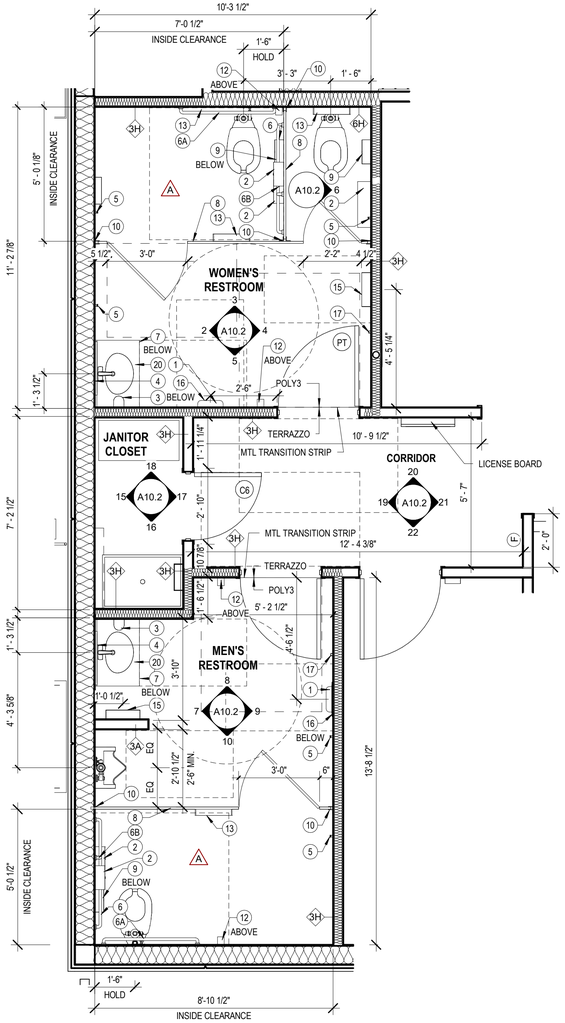
12 A10.2 CORIAN PANEL DETAIL
3" = 1'-0"



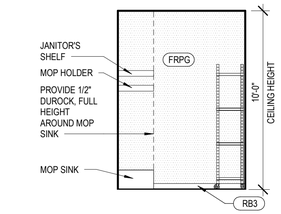
13 A10.2 RESTROOM COVE BASE
3" = 1'-0"



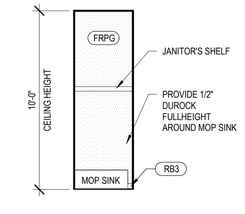
14 A10.2 RESTROOM TILE PATTERN LAYOUT
3/8" = 1'-0"



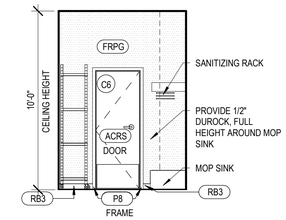
1 A10.2 PUBLIC RESTROOM ACCESSORIES DIAGRAM
3/8" = 1'-0"



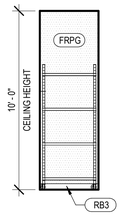
15 A10.2 JANITOR ELEVATION
1/4" = 1'-0"



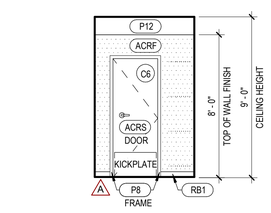
16 A10.2 JANITOR ELEVATION
1/4" = 1'-0"



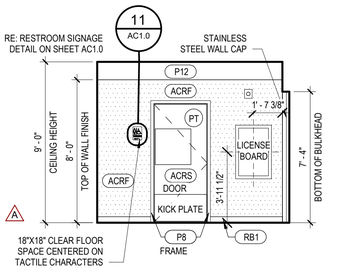
17 A10.2 JANITOR ELEVATION
1/4" = 1'-0"



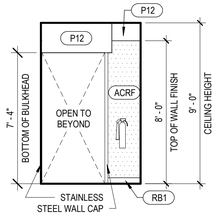
18 A10.2 JANITOR ELEVATION
1/4" = 1'-0"



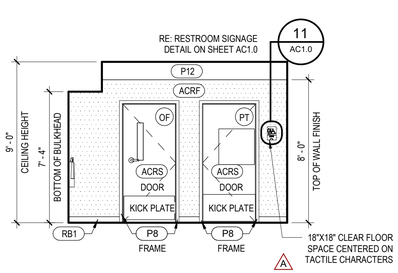
19 A10.2 RESTROOM CORRIDOR
1/4" = 1'-0"



20 A10.2 RESTROOM CORRIDOR
1/4" = 1'-0"



21 A10.2 RESTROOM CORRIDOR
1/4" = 1'-0"



22 A10.2 RESTROOM CORRIDOR
1/4" = 1'-0"

RESTROOM ACCESSORIES SCHEDULE

ALL ACCESSORIES SUPPLIED BY WAWA VENDOR, INSTALLED BY G.C. UNLESS NOTED OTHERWISE

#	ITEM	MANUFACTURER	MODEL #	REMARKS	SUPPLIED BY
1	ELECTRONIC HAND DRYER	EXCEL DRYER INC.	XLERATOR XL-C	CHROME ELECTRONIC HAND DRYER WITH RECESSED KIT	HJC
2	T.P. HOLDER	TORK	66 TR	SINGLE ROLL DISPENSER. 7" MIN. - 9" MAX. IN FRONT OF WC. SUPPLIED BY WAWA OUTLET AT 19" A.F.F.	HJC
C 2A	T.P. HOLDER	TORK	56TR	DOUBLE DISPENSER - 7" MIN. - 9" MAX. IN FRONT OF WC. SUPPLIED BY WAWA OUTLET AT 19" A.F.F.	HJC
3	SOAP DISPENSER	TORK	571608 BLACK	TOUCHLESS ELECTRONIC SOAP DISPENSER - BATTERY OPERATED	HJC
4	MIRROR	BRADLEY	780-2436	24" X 36" MIRROR W/ S.S. FRAME IN SATIN FINISH, BOTTOM @ 3'-2" A.F.F.	HJC
5	COAT HOOK	BOBRICK	B-233	STAINLESS STEEL WITH SATIN FINISH MOUNT@ 46" A.F.F. PROVIDE (1) PER RESTROOM +(1) IN ACCESSIBLE STALL	HJC
6	48" GRAB BAR	BRADLEY	812-00142	STAINLESS STEEL WITH SATIN FINISH. MOUNT HORIZ. RAILS @ 34 1/2" A.F.F. BOTH RAILS 48" IN LENGTH	HJC
6A	42" GRAB BAR	BRADLEY	812-00142	STAINLESS STEEL WITH SATIN FINISH. MOUNT HORIZ. RAILS @ 34 1/2" A.F.F. BOTH RAILS 42" IN LENGTH	HJC
6B	18" GRAB BAR	BRADLEY	812-00118	STAINLESS STEEL WITH SATIN FINISH. MOUNT VERTICALLY 41" OFF BACK WALL TO CNTR. & 39" FROM FL. TO BOTTOM	HJC
7	LAV CABINET	CABINET		CABINET BELOW LAVATORY. SUPPLIED AND INSTALLED BY CABINET VENDOR, COORDINATED BY G.C.	CABINET
8	TOILET PARTITION	SCRANTON PRODUCTS	HINY HIDERS COLOR:SHALE FINISH:ORANGE PEEL	SOLID PLASTIC PARTITIONS (NO SITE LINES) W/ S.S. PRIVACY SLATS. PROVIDE PULLS ON BOTH SIDES OF ADA STALL DOOR.	HJC
9	NAPKIN DISPOSAL UNIT	BRADLEY	4722-15	STAINLESS STEEL WITH SATIN FINISH	HJC
10	PARTITION WALL BRACKET	SCRANTON PRODUCTS	-	MOUNT ON TOP RAIL WHERE PARTITIONS MEET WALL	HJC
12	ECONOMIZER DISPENSER	MICROBURST 9000	401375	TWO UNITS PER RESTROOM SCREW TO WALLS, ONE NEAR DOOR AND OTHER ON OPPOSITE WALL. TOP 2" MIN. FROM CEILING	WAWA
13	TOILET SEAT COVER DISP.	"	"	ONE PER STALL - FURNISHED BY WAWA, INSTALLED BY G.C.	HJC
15	WASTE RECEPT.	BOBRICK	B-3644	RECESSED INTO WALL - 4" RECESS REQUIRED, 4" PROTRUDING BIN	HJC
16	SOLID SURFACE PANEL	DUPONT CORIAN	COLOR WHISPER	1/2" THICK, 14 3/4" WIDE X 20" HIGH PANEL MOUNTED 6" A.F.F., LOCATED BELOW HAND DRYER . SUPPLIED BY CABINET VENDOR, INSTALLED BY G.C.	CABINET
17	DOOR STOP (PARTITION)	SCRANTON PRODUCTS	-	SUPPLIED BY TOILET PARTITION MANUFACTURER. LOCATE AT BOTTOM OUTSIDE CORNER OF DOOR	HJC
20	SOLID SURFACE COUNTERTOP	DUPONT CORIAN	COLOR WHISPER	COUNTERTOP WITH SP BOWL. COLOR BISQUE BACKSPLASH AT WALLS, HIGH GLOSS FINISH	CABINET

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AECOM Services of PA, Inc.
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http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
INTERIOR ELEVATIONS

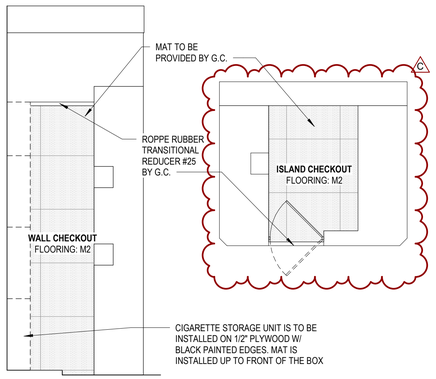
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV. C - REVISED. IFC SET	04/11/2025

PROTOTYPE U45FB-R v2025.Q1
PROJECT NO. 60659612
DRAWN RM
CHECKED AB

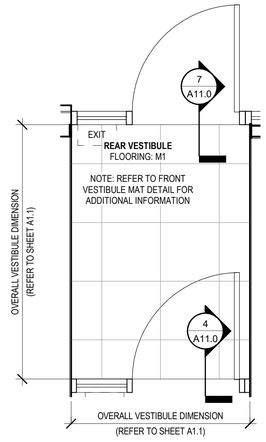
8216
UPPER SOUTHAMPTON, PA

Wawa

A10.2



3 A11.0 CHECKOUT FLOORING DETAIL
1/4" = 1'-0"



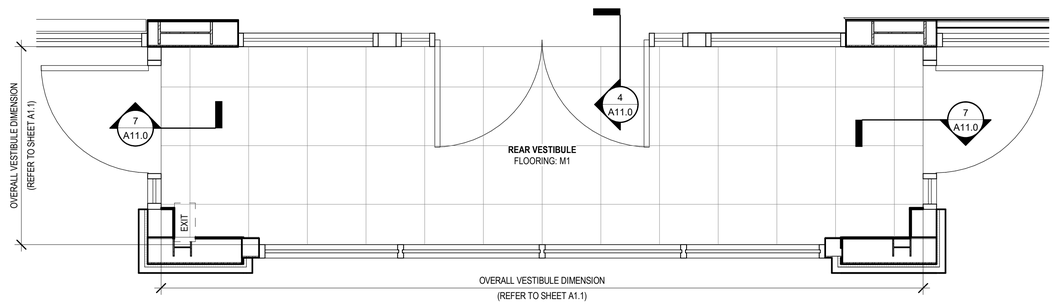
2 A11.0 ENLARGED REAR VESTIBULE
1/2" = 1'-0"

GLAZING NOTES:

- ALL GLAZING AT VESTIBULE TO BE SAFETY RATED WITH PERMANENT IDENTIFICATION MARK ISSUED BY AN APPROVED AGENCY.
- FOR ACCESSIBILITY DECAL LOCATION ON THE VESTIBULE REFER TO SHEET A10.1, VESTIBULE ELEVATIONS.

ENTRANCE MAT NOTES:

1. MAT INSTALLED OVER TERRAZZO. FILL ENTIRE VESTIBULE.
2. MAT PROVIDED & INSTALLED BY CONTRACTOR.
3. MAT TILES TO BE INSTALLED QUARTER-TURN.
4. DO NOT INSTALL MAT SPACER BAR.
5. LOCATE DOOR STOP AS TO ALLOW DOORS TO OPEN EXACTLY 90°. CUT MAT AT DOOR STOP TO ALLOW FOR REMOVAL AS NECESSARY.
6. RB3 WALL BASE SHALL BE INSTALLED PRIOR TO ENTRY MAT.



1 A11.0 ENLARGED FRONT VESTIBULE
1/2" = 1'-0"

NOTES:
INSTALL WALL BASE RB3 PRIOR TO INSTALLATION OF ENTRANCE MAT

9 A11.0 THRESHOLD @ WATER SERVICE ROOM
3" = 1'-0"

8 A11.0 ALUM. PANEL DETAIL
1" = 1'-0"

7 A11.0 ENTRANCE MAT DETAIL
3" = 1'-0"

6 A11.0 THRESHOLD @ ELECTRICAL ROOM
3" = 1'-0"

5 A11.0 TERRAZZO DETAILS
6" = 1'-0"

NOTES:
INSTALL WALL BASE RB3 PRIOR TO INSTALLATION OF ENTRANCE MAT

4 A11.0 ENTRANCE MAT DETAIL @ RETAIL
3" = 1'-0"

10 A11.0 SECTION @ STOREFRONT GLAZING
1 1/2" = 1'-0"

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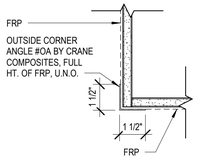
RELEASE	DATE
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REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60699612
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

Wawa

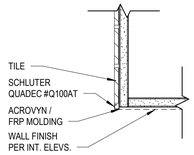
A11.0



GENERAL NOTES

1. REFER TO INTERIOR ELEVATIONS SHEETS A9.1, A10.0,A10.1 FOR MORE INFORMATION.

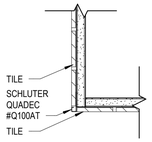
5 A11.1 CORNER DETAIL @ FRP
3" = 1'-0"



GENERAL NOTES

1. REFER TO INTERIOR ELEVATIONS SHEETS A9.1, A10.0, A10.1 FOR MORE INFORMATION.
2. REFER TO FINISH SCHEDULE, SHEET A9.0 FOR SCHLUTER STRIP COLOR.

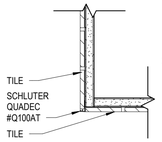
4 A11.1 CORNER DETAIL @ FRP / TILE
3" = 1'-0"



GENERAL NOTES

1. REFER TO INTERIOR ELEVATIONS SHEETS A9.1, A10.0, A10.1 FOR MORE INFORMATION.
2. REFER TO FINISH SCHEDULE, SHEET A9.0 FOR SCHLUTER STRIP COLOR.

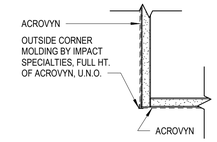
3 A11.1 CORNER DETAIL @ TILE (FOOD SERVICE)
3" = 1'-0"



GENERAL NOTES

1. REFER TO INTERIOR ELEVATIONS SHEETS A9.1, A10.0, A10.1 FOR MORE INFORMATION.
2. REFER TO FINISH SCHEDULE, SHEET A9.0 FOR SCHLUTER STRIP COLOR.

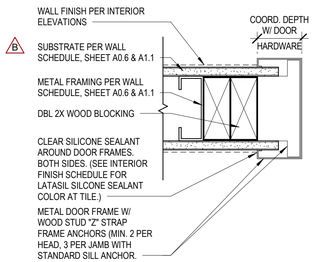
2 A11.1 CORNER DETAIL @ TILE (RESTROOMS)
3" = 1'-0"



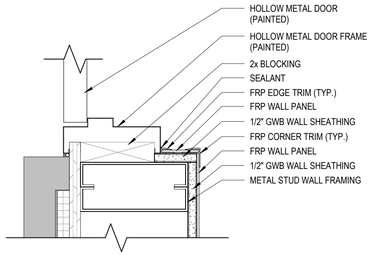
GENERAL NOTES

1. REFER TO INTERIOR ELEVATIONS SHEETS A9.1, A10.0, A10.1 FOR MORE INFORMATION.

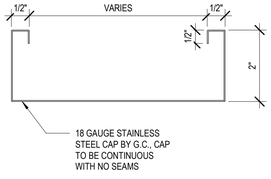
1 A11.1 CORNER DETAIL @ ACROVYN
3" = 1'-0"



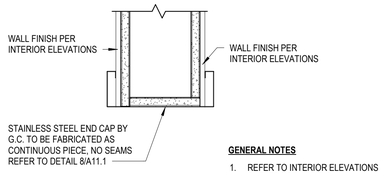
10 A11.1 DOUBLE ACTION DOOR JAMB (HEAD SIM.)
3" = 1'-0"



9 A11.1 FRP CORNER DETAIL
3" = 1'-0"



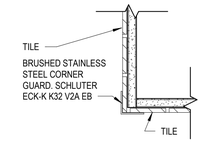
8 A11.1 STAINLESS STEEL CAP PROFILE
6" = 1'-0"



GENERAL NOTES

1. REFER TO INTERIOR ELEVATIONS SHEETS FOR ADDITIONAL INFORMATION

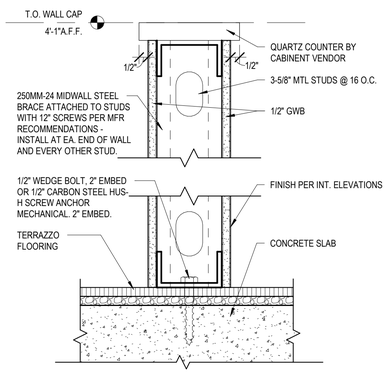
7 A11.1 STAINLESS STEEL END CAP
3" = 1'-0"



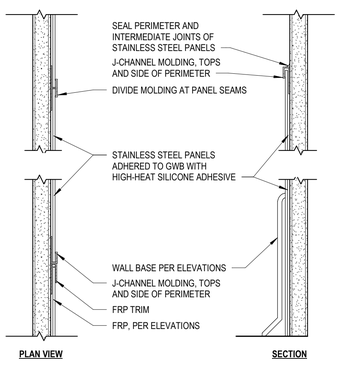
GENERAL NOTES

1. REFER TO INTERIOR ELEVATIONS SHEETS A9.1, A10.0, A10.1 FOR MORE INFORMATION.

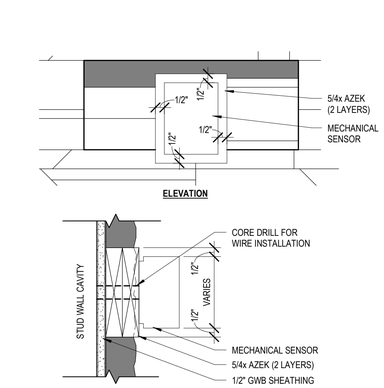
6 A11.1 CORNER DETAIL @ TILE (S.S. CORNER)
3" = 1'-0"



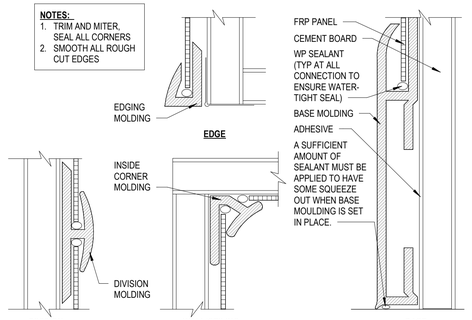
15 A11.1 PARTIAL HEIGHT WALL SECTION
3" = 1'-0"



14 A11.1 STAINLESS STEEL WALL PANEL DETAIL
6" = 1'-0"



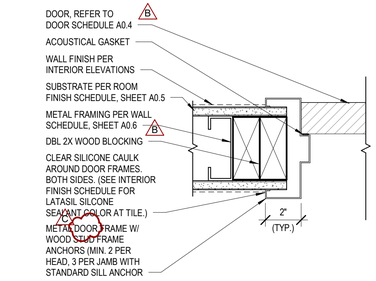
13 A11.1 MECHANICAL SENSOR MOUNTING
3" = 1'-0"



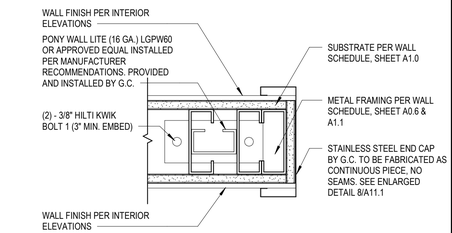
NOTES:

1. TRIM AND MITER, SEAL ALL CORNERS
2. SMOOTH ALL ROUGH CUT EDGES

12 A11.1 FRP DETAILS
12" = 1'-0"



11 A11.1 INT. DOOR JAMB DETAIL (HEAD SIM.)
3" = 1'-0"



16 A11.1 PONY WALL LITE DETAIL
3" = 1'-0"

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
INTERIOR DETAILS

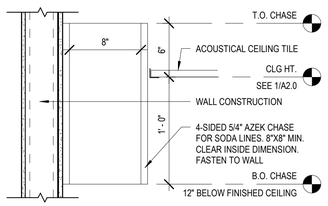
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REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60699812
DRAWN	RM
CHECKED	AB

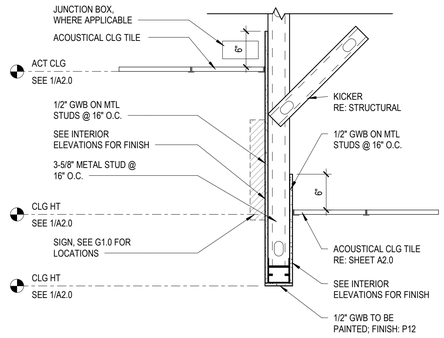
8216
UPPER SOUTHAMPTON, PA

Wawa

A11.1

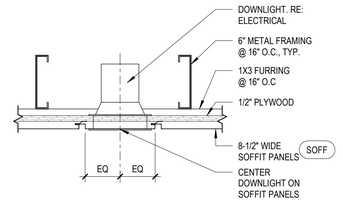


4 A11.2 SODA CHASE DETAIL
1 1/2" = 1'-0"

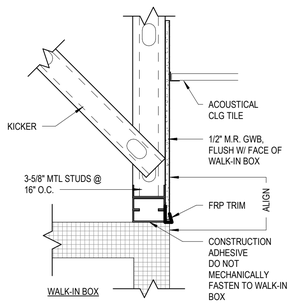


3 A11.2 FASCIA DETAIL
1" = 1'-0"

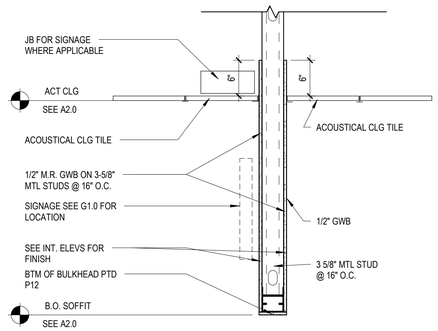
2 A11.2 NOT USED
3/4" = 1'-0"



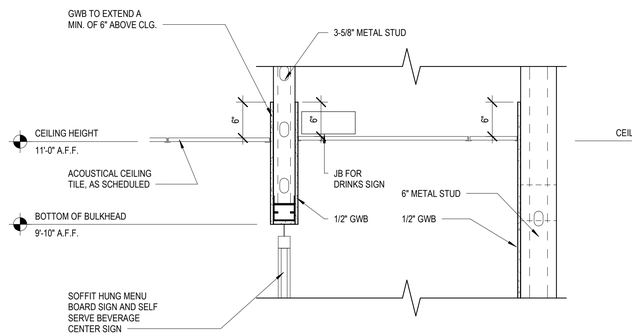
1 A11.2 CANOPY LIGHT
1 1/2" = 1'-0"



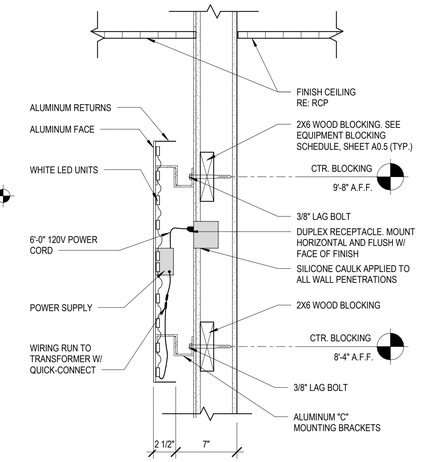
8 A11.2 FASCIA AT WALK-IN REFRIGERATOR / FREEZER
1 1/2" = 1'-0"



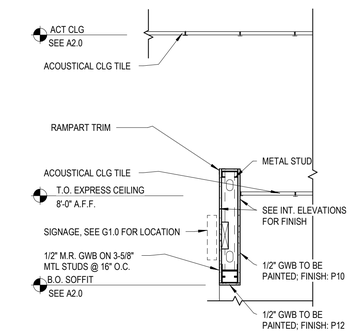
7 A11.2 FOOD SERVICE BULKHEAD
1" = 1'-0"



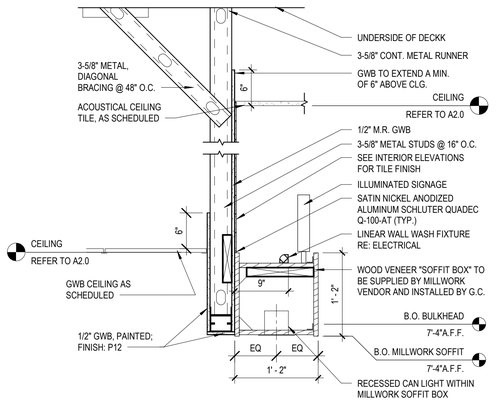
6 A11.2 SECTION AT S.S. BEVERAGE BULKHEAD
1" = 1'-0"



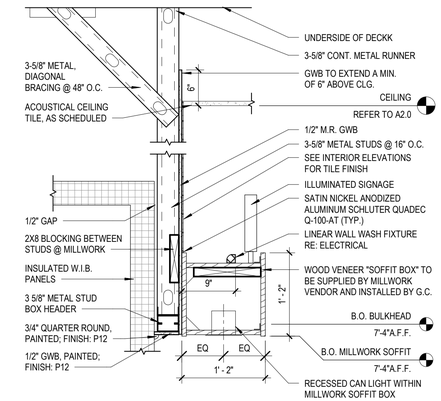
5 A11.2 LOGO SIGN MOUNTING DETAIL
1 1/2" = 1'-0"



11 A11.2 FASCIA @ REACH-IN FREEZER
3/4" = 1'-0"



10 A11.2 MILLWORK SOFFIT
1" = 1'-0"



9 A11.2 MILLWORK SOFFIT AT W.I.B.
1" = 1'-0"

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300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
INTERIOR DETAILS

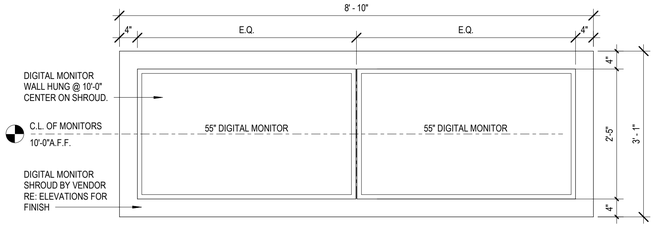
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60659812
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

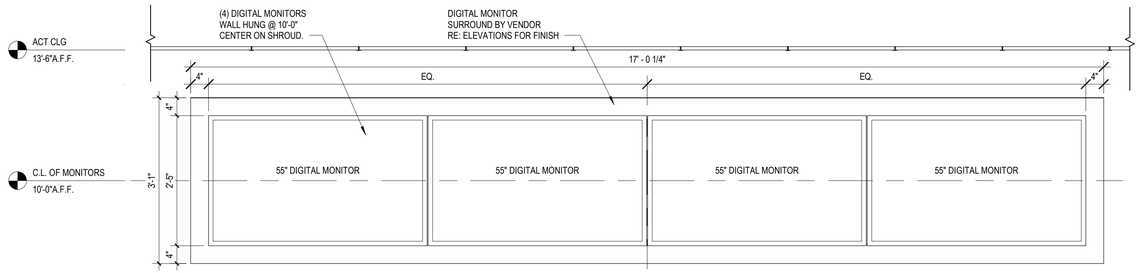
Wawa

A11.2



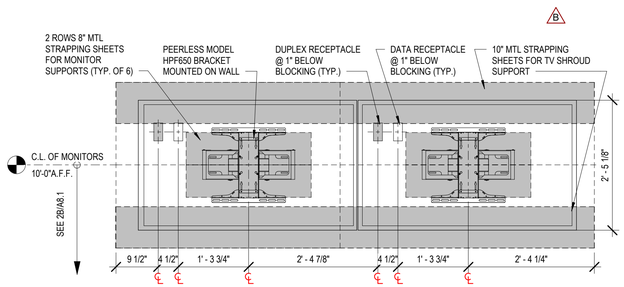
2 A11.3 F.S. BEV. MONITOR ELEVATION

3/4" = 1'-0"



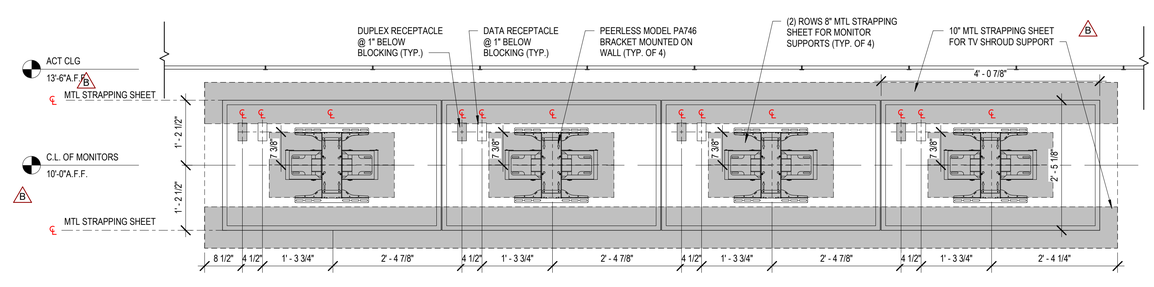
1 A11.3 FOOD SERVICE DIGITAL MONITOR SURROUND DETAIL

3/4" = 1'-0"



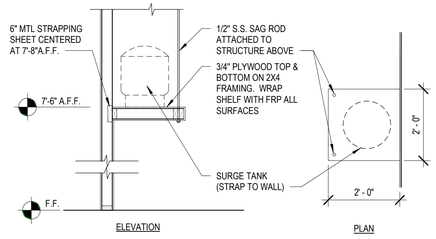
4 A11.3 55" LCD F.S. BEV. CENTER MNTG DTL

3/4" = 1'-0"



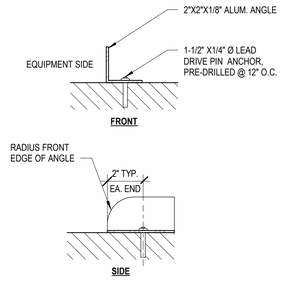
3 A11.3 FOOD SERVICE MONITOR/SHROUD BLOCKING DETAIL

3/4" = 1'-0"



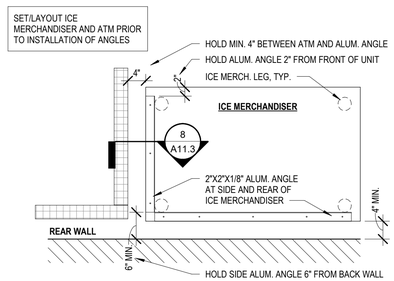
9 A11.3 SURGE TANK SHELF DETAIL

1/2" = 1'-0"



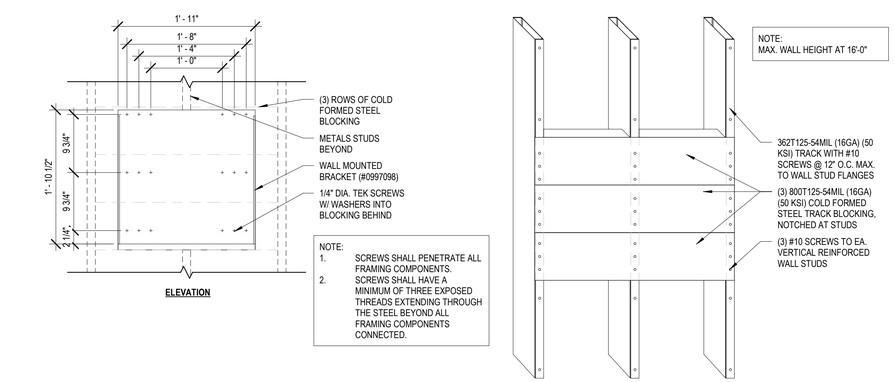
8 A11.3 ALUMINUM ANGLE STOP DETAIL

3" = 1'-0"



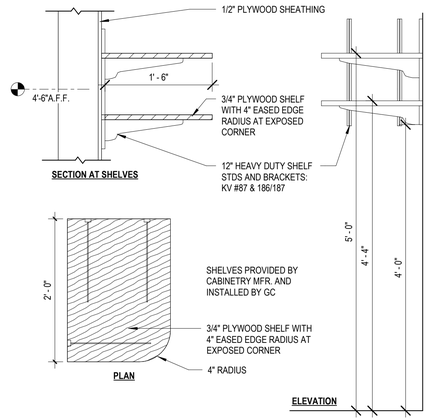
7 A11.3 ALUMINUM ANGLE STOP @ ICE MERCHANDISER

3/4" = 1'-0"



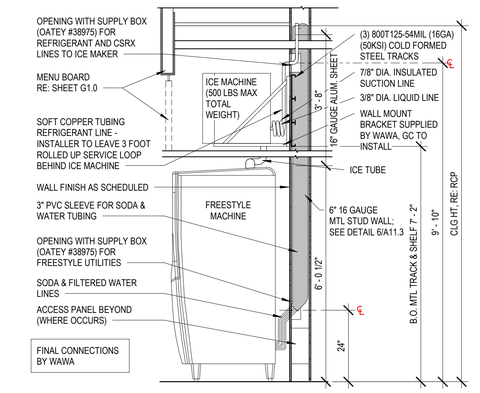
6 A11.3 ICE MACHINE SHELF BLOCKING DETAIL

1" = 1'-0"



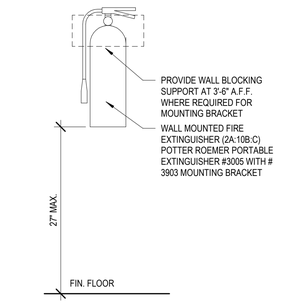
11 A11.3 OFFICE SHELVING DETAIL

1" = 1'-0"



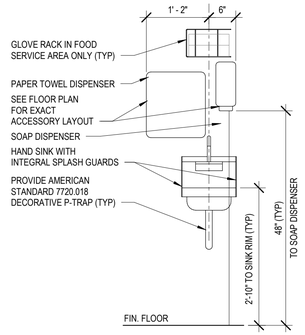
10 A11.3 SECTION @ DRINK MACHINE

1/2" = 1'-0"



13 A11.3 FIRE EXTINGUISHER DETAIL

1" = 1'-0"



12 A11.3 HANDWASH SINK DETAIL

3/4" = 1'-0"

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300 BROADACRES DRIVE, SUITE 250
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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
INTERIOR DETAILS

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	PROJECT NO.	DRAWN	CHECKED
U45FB-R v2025.Q1	60659812	RM	AB

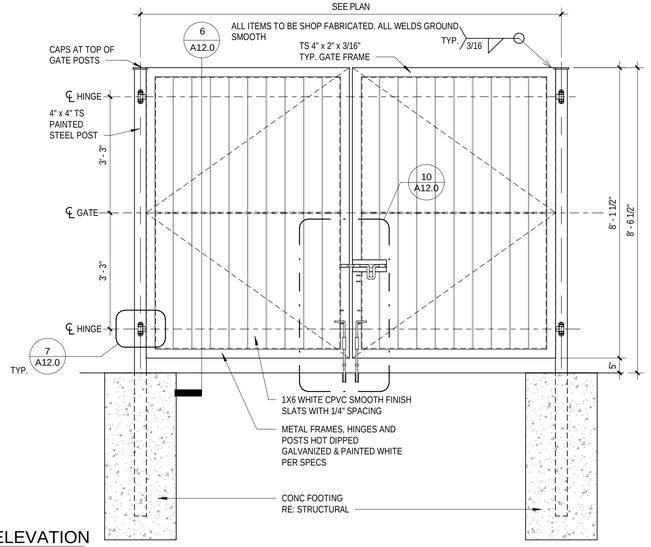
8216
UPPER SOUTHAMPTON, PA

Wawa

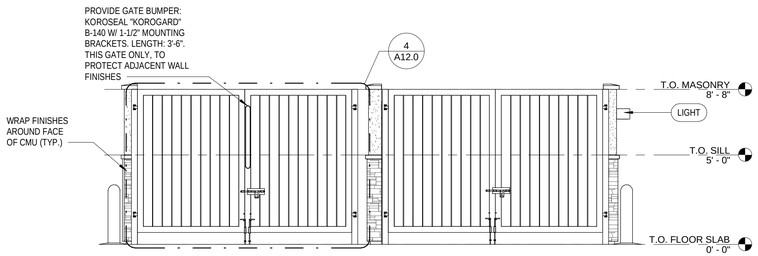
A11.3

DOOR SCHEDULE

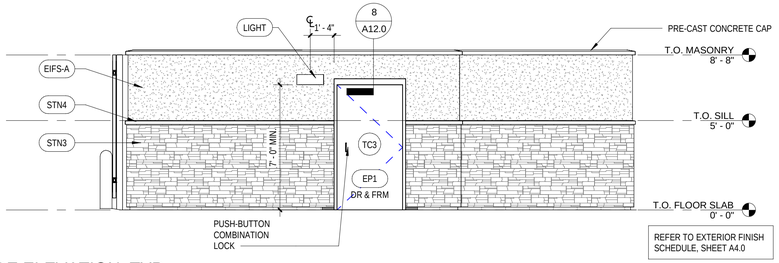
#	DOOR W	DOOR HT	DOOR TH	DOOR TYPE	DOOR MAT'L	FRM TYPE	TH R'D	HDW SET	REMARKS	PULL HW	KICK PLATE PUSH	KICK PLATE PULL
TC3	3' - 8"	7' - 0"	1 3/4"	B	HM	HM	-	HW17.3	4" HEAD. SEE SHEET A1 FOR DOOR NOTES	LOCKSET	-	-



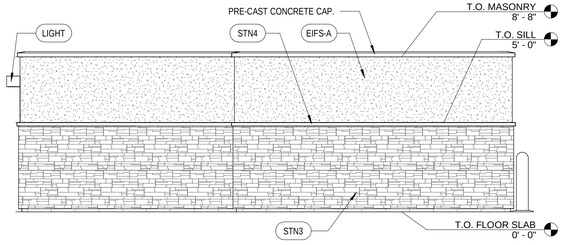
4 GATE ELEVATION
A12.0 **1/2" = 1'-0"**



5 FRONT ELEVATION
A12.0 **1/4" = 1'-0"**

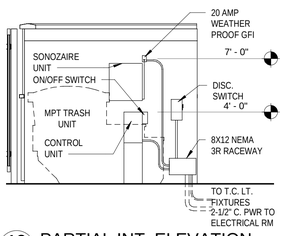


9 SIDE ELEVATION, TYP.
A12.0 **1/4" = 1'-0"**



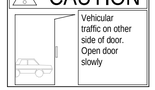
14 REAR ELEVATION
A12.0 **1/4" = 1'-0"**

REFER TO EXTERIOR FINISH SCHEDULE, SHEET A4.0



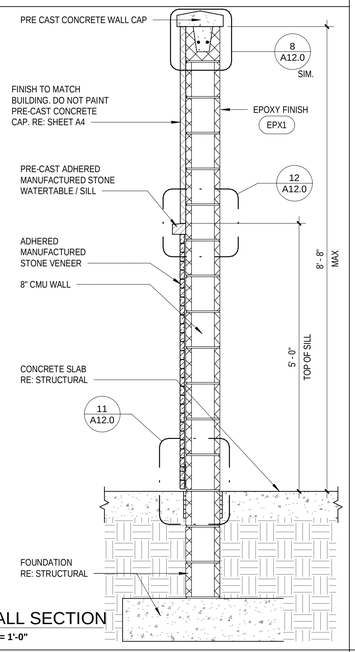
13 PARTIAL INT. ELEVATION
A12.0 **1/4" = 1'-0"**

CAUTION

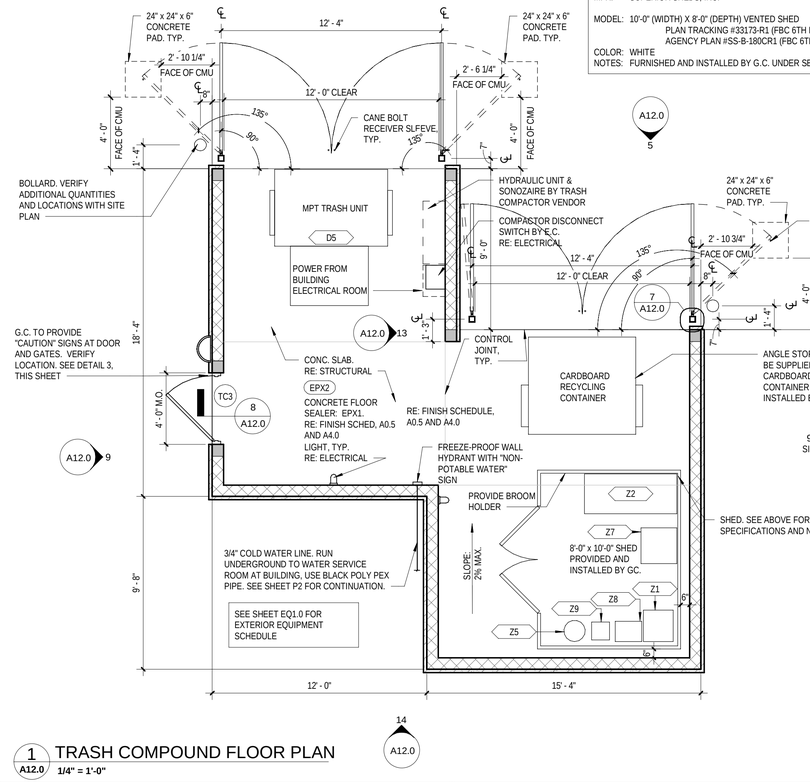


NOTE:
1. SIGN FURNISHED BY WAWA, INSTALLED BY GC
2. POST AT ALL GATES AND DOORS FACING TRAFFIC LANES

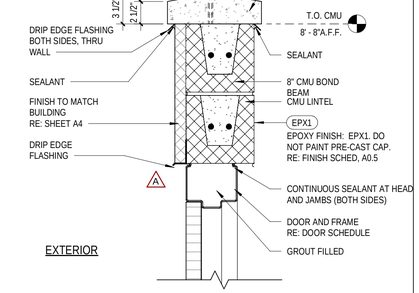
2 SIGN AT DOORS AND GATES
A12.0 **3/4" = 1'-0"**



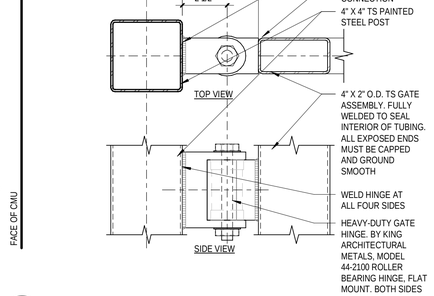
3 WALL SECTION
A12.0 **3/4" = 1'-0"**



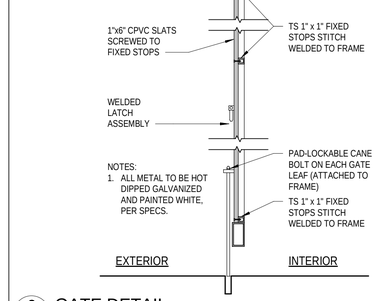
1 TRASH COMPOUND FLOOR PLAN
A12.0 **1/4" = 1'-0"**



8 DOOR HEADER DETAIL
A12.0 **1 1/2" = 1'-0"**

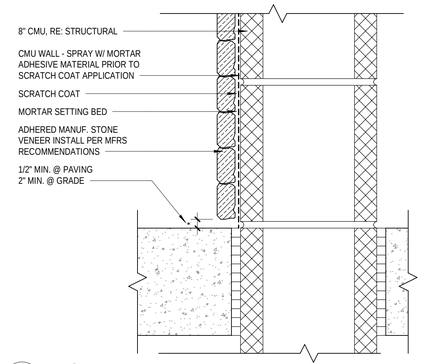


7 HINGE DETAIL
A12.0 **3" = 1'-0"**

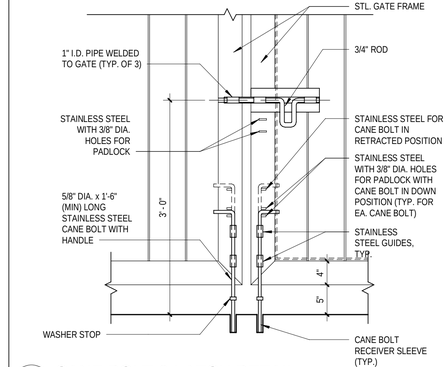


6 GATE DETAIL
A12.0 **1" = 1'-0"**

12 SILL DETAIL
A12.0 **1 1/2" = 1'-0"**



11 BASE DETAIL
A12.0 **3" = 1'-0"**



10 CANE BOLT & LATCH DETAIL
A12.0 **1" = 1'-0"**

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AECOM Technical Services, Inc.
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M V.2022.Q4
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
TRASH COMPOUND

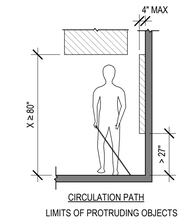
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M V.2022.Q4
PROJECT NO.	60699812
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

Wawa

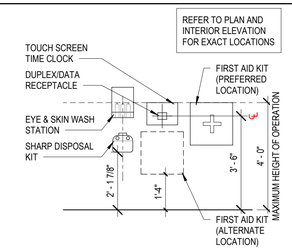
A12.0



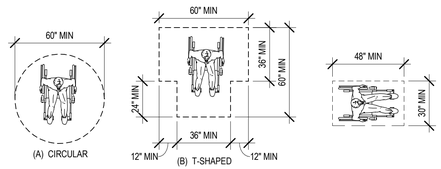
CIRCULATION PATH

LIMITS OF PROTRUDING OBJECTS

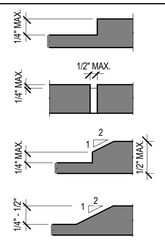
1 PROTRUDING OBJECTS
AC1.0 — 1/4" = 1'-0"



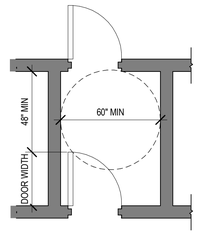
2 ASSOC. RM ACCESSORIES
AC1.0 — 3/8" = 1'-0"



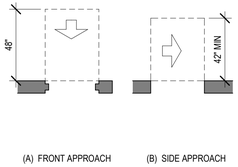
3 CLEAR TURNING SPACE
AC1.0 — 1/4" = 1'-0"



4 CHANGES IN LEVEL
AC1.0 — 1" = 10'-0"

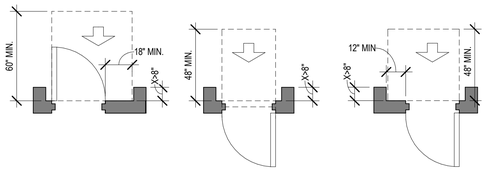


TWO DOORS IN A SERIES



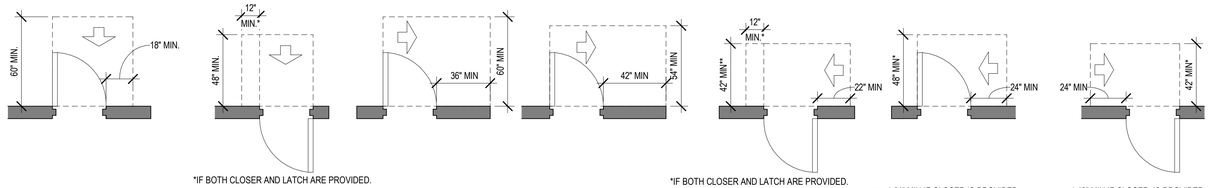
(A) FRONT APPROACH (B) SIDE APPROACH

MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS



(A) PULL SIDE (B) PUSH SIDE (C) PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER & LATCH

MANEUVERING CLEARANCES AT RECESSED DOORS



*IF BOTH CLOSER AND LATCH ARE PROVIDED.

** 48" MIN IF BOTH CLOSER AND LATCH ARE PROVIDED.

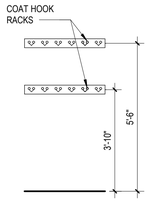
* 54" MIN IF CLOSER IS PROVIDED.

* 48" MIN IF CLOSER IS PROVIDED.

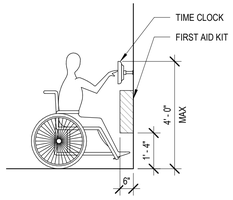
(A) FRONT APPROACH, PULL SIDE (B) FRONT APPROACH, PUSH SIDE (C) HINGE APPROACH, PULL SIDE (D) HINGE APPROACH, PULL SIDE (E) HINGE APPROACH, PUSH SIDE (F) LATCH APPROACH, PULL SIDE (G) LATCH APPROACH, PUSH SIDE

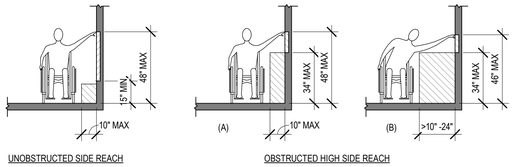
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS

5 COAT HOOK DETAIL
AC1.0 — 3/8" = 1'-0"



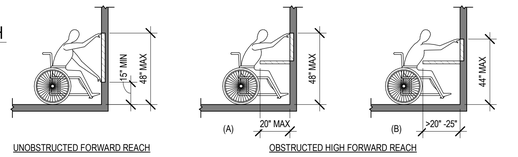
6 TIME CLOCK ACCESSIBLE REACH
AC1.0 — 3/8" = 1'-0"





UNOBSTRUCTED SIDE REACH

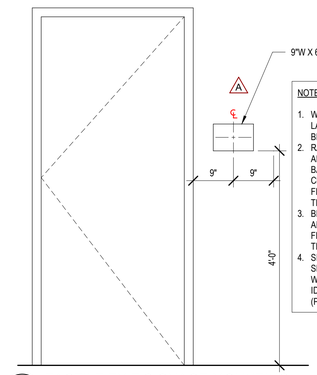
OBSTRUCTED HIGH SIDE REACH



UNOBSTRUCTED FORWARD REACH

OBSTRUCTED HIGH FORWARD REACH

7 ASSESSIBLE REACH
AC1.0 — 1/4" = 1'-0"

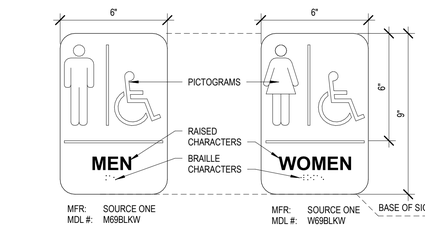


NOTES:

1. WHERE THERE IS NO SPACE TO THE LATCH SIDE OF THE DOOR, SIGNS SHALL BE PLACED ON NEAREST ADJACENT WALL
2. RAISED CHARACTERS SHALL BE 48" MIN. ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE LOWEST RAISED CHARACTER AND 60" MAX. ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE HIGHEST RAISED CHARACTER.
3. BRAILLE CHARACTERS SHALL BE 48" MIN. AND 60" MAX. ABOVE THE FLOOR,MEASURED TO THE BASELINE OF THE BRAILLE CELLS.
4. SIGN SHALL COMPLY WITH ICC/ANSI 117.1. SECTION 703 SIGNS ARE BLACK WITH WHITE LETTERS BY SETON IDENTIFICATION PRODUCT 800-571-2596 (PHONE), 800-345-7819 (FAX)

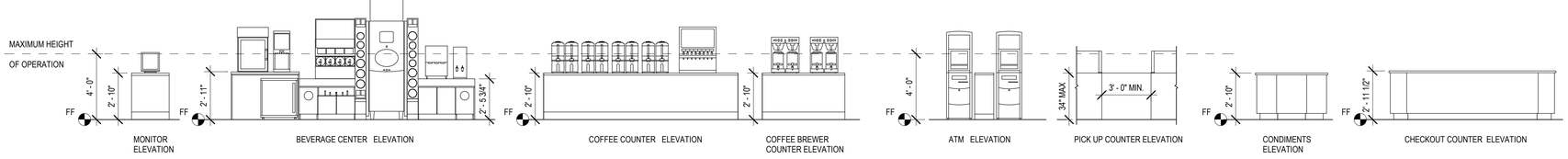
8 MANEUVERING CLEARANCE AT DOORS AND DOORWAYS
AC1.0 — 1/4" = 1'-0"

9 TACTILE EXIT SIGNAGE MOUNTING
AC1.0 — 3/4" = 1'-0"



1. RAISED CHARACTERS SHALL BE BETWEEN 48 INCHES ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE LOWEST RAISED CHARACTER AND 60 INCHES ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE HIGHEST RAISED CHARACTER.
2. BRAILLE SHALL BE BETWEEN 48 INCHES MINIMUM AND 60 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE BRAILLE CELLS.
3. BOTTOM OF SIGN TO BE HUNG 48 INCHES A.F.F.
4. SIGN SHALL COMPLY WITH ICC/ANSI A117.1, SECTION 703.

10 EQUIPMENT & COUNTERS ELEVATIONS
AC1.0 — 1/4" = 1'-0"



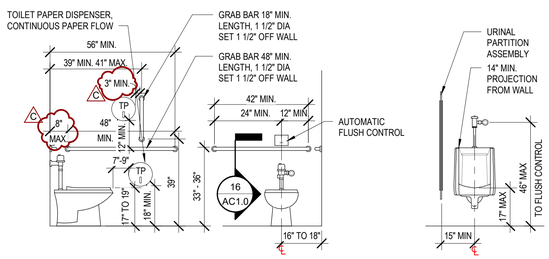
FREESTYLE SODA FOUNTAIN:
1. MEETS THE REACH REQUIREMENTS OF SECTIONS 308.2 AND 308.3 OF ANSI 117.1 WITH THE LOWER INTERFACE BUTTON AND SCREEN.
2. SODA FOUNTAIN AND CUP DISPENSER'S LOCATIONS MEET REQUIREMENTS OF THE SECTION 305 OF ANSI 117.1 FOR FRONT AND PARALLEL APPROACH.
3. SODA FOUNTAIN DISPENSES WATER TO BOTH A WHEELCHAIR USER AND TO A STANDING AMBULATORY PERSON.

CHECK-OUT COUNTERS:
1. ALL SERVICE AND CHECKOUT COUNTERS ARE IN COMPLIANCE WITH ANS1 117.1 SECTION 904.3. ALL FOOD SERVICE AND SELF SELF COUNTERS AND EQUIPMENT ARE IN COMPLIANCE WITH SECTION 904.5 AND 308 FOR REACH .

A

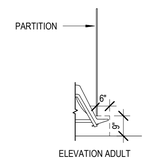
11 ADA RESTROOM SIGNAGE
AC1.0 — 3" = 1'-0"

A



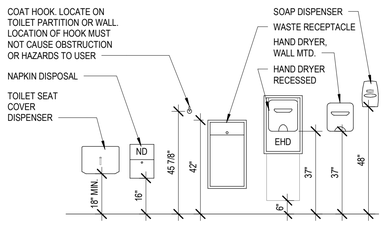
WATER CLOSET

URINAL

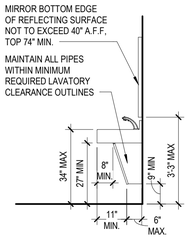


ELEVATION ADULT

WHEELCHAIR ACCESSIBLE COMPARTMENT TOE CLEARANCE

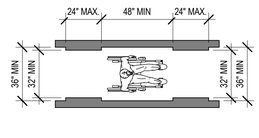


DISPENSERS

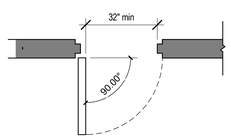


LAVATORY

12 CLEAR WIDTH - ACCESSIBLE ROUTE
AC1.0 — 1/4" = 1'-0"

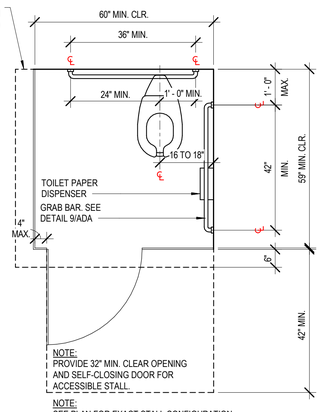


13 CLEAR WIDTH HINGED DOOR
AC1.0 — 3/8" = 1'-0"



14 ACCESSIBILITY - RESTROOMS BARRIER FREE ELEVATIONS
AC1.0 — 3/8" = 1'-0"

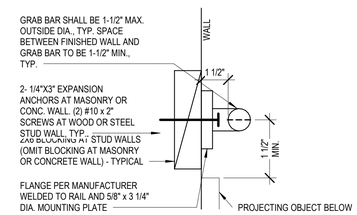
15 ACCESSIBLE WATER CLOSET - PLAN
AC1.0 — 1/2" = 1'-0"

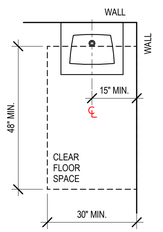


NOTE:
PROVIDE 32" MIN. CLEAR OPENING AND SELF-CLOSING DOOR FOR ACCESSIBLE STALL.

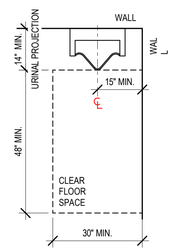
NOTE:
SEE PLAN FOR EXACT STALL CONFIGURATION
A = 4" MAX. OR B = 56" MIN. (PER ICC 117.1-2009 TABLE 604.9.3.1

16 GRAB BAR DETAIL
AC1.0 — 3" = 1'-0"





17 ACCESSIBLE LAV.- PLAN
AC1.0 — 1/2" = 1'-0"



18 ACCESSIBLE URINAL - PLAN
AC1.0 — 1/2" = 1'-0"

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300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ADA ACCESSIBILITY REQUIREMENTS

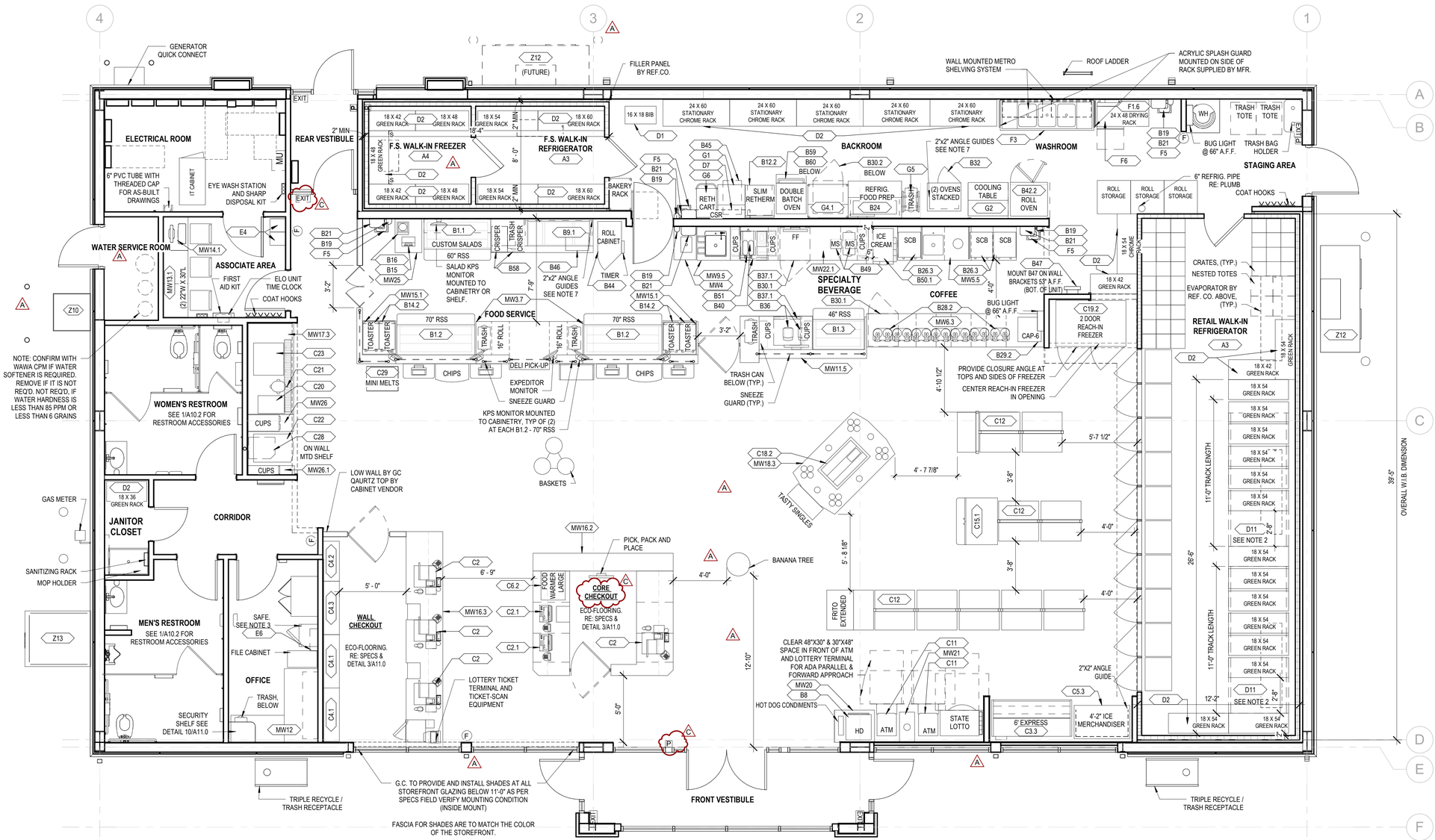
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	PROJECT NO.	DRAWN	CHECKED
U45FB-R v2025.Q1	60698612	RM	AB

8216
UPPER SOUTHAMPTON, PA

Wawa

AC1.0



1 EQ1.0 EQUIPMENT FLOOR PLAN

1/4" = 1'-0"

EQUIPMENT SCHEDULE

EQ#	DESCRIPTION	INSTALLED BY
A - WALK-IN REFRIGERATOR		
A3	FOOD SERVICE WALK-IN REFRIGERATOR	REF
A4	FOOD SERVICE WALK-IN FREEZER	REF.
B - FOOD SERVICE / COFFEE		
B1.1	REFRIGERATED SANDWICH STATION (60" RSS)	GC
B1.2	REFRIGERATED SANDWICH STATION (70" RSS)	GC
B1.3	REFRIGERATED SANDWICH STATION (46" RSS)	GC
B8	HOT DOG DISPLAY	WAWA
B9.1	HOT FOOD TABLE W/ OVERSHELF	GC
B12.2	RETHERMALIZER (26" X 30")	GC
B14.2	TOASTER OVEN, NARROW	WAWA
B15	CODING UNIT	GC
B16	ESTIMATING SCALE	WAWA
B19	SOAP DISPENSER	GC
B21	PAPER TOWEL DISPENSER	GC
B24	OVEN WORK STATION	WAWA
B26.3	COFFEE SUPER BREWER DOUBLE	WAWA
B28.2	COFFEE DISPENSER WITH STANDS	WAWA
B29.2	CAPPUCCINO MACHINE	WAWA
B30.1	27" UNDERCOUNTER REFRIGERATOR	GC
B30.2	27" UNDERCOUNTER FREEZER	GC
B32	CONVECTION OVENS & STAND	WAWA
B36	SMOOTHIE BLENDER	WAWA
B37.1	UNDERCOUNTER ICE MACHINE	WAWA

EQUIPMENT SCHEDULE

EQ#	DESCRIPTION	INSTALLED BY
B40	ESPRESSO MACHINE W/ INLINE FILTER	WAWA
B42.2	ROLL OVEN (LEFT HINGED)	GC
B44	ROLL HOLDING CABINET W/ TIMER	WAWA
B45	HFT DRAWER WARMER	WAWA
B46	HOT HOLDING UNIT	WAWA
B47	CAT LOCK	WAWA
B49	MILKSHAKE BLENDER	GC
B50.1	SOFT SERVE, SINGLE HEAD	WAWA
B51	ICED COFFEE BREWER	WAWA
B58	CRISPER	WAWA
B59	DOUBLE BATCH OVEN	GC
B60	DOUBLE BATCH OVEN CART	GC
C - RETAIL AREA		
C2	POS - CASH REGISTER	WAWA
C2.1	SELF-CHECKOUT	
C3.3	6' WALL REFRIGERATED EXPRESS CASE	REF
C4.1	CIGARETTE DISPLAY W/ STORAGE 4-TOB	WAWA
C4.2	CIGARETTE DISPLAY W/ STORAGE 3-TOB	WAWA
C4.3	CIGARETTE DISPLAY W/ STORAGE 4-OTP	WAWA
C5.3	4'-2" ICE MERCHANDISER	VENDOR
C6.2	CONVECTION OVEN WARMER - 2 TIER LARGE	WAWA
C11	ATM MACHINE	OTHERS
C12	RETAIL SHELVING	WAWA
C15.1	BAKERY DISPLAY CASE	WAWA

EQUIPMENT SCHEDULE

EQ#	DESCRIPTION	INSTALLED BY
C19.2	REACH-IN FREEZER - 2 DOOR	REF
C20	ICED COFFEE DISPENSER	WAWA
C21	ICE TEA MACHINE	WAWA
C22	FREESTYLE BEVERAGE DISPENSER	WAWA
C23	FROZEN CARBONATED BEVERAGE (FCB)	VENDOR
C28	CUBED ICE MACHINE ABOVE	VENDOR
C29	MINI MELTS FREEZER	WAWA
D - BACK OF HOUSE		
D1	BAG-N-BOX SHELVING RACK	WAWA
D2	STORAGE SHELVING	WAWA
D5	MPT TRASH UNIT	WAWA
D7	CSR UNIT	GC
D11	ROLLING STORAGE SHELVES	WAWA
E - OFFICE / ASSOCIATE AREA		
E4	LOCKERS	GC
E6	FUEL TANK MONITOR	GAS
F - WASHROOM		
F1.6	DRYING RACK 24"X48" W/O LOWER SHELVES	WAWA
F3	3 COMPARTMENT SINK	GC
F5	S.S. HAND SINK WALL HUNG	GC

EQUIPMENT SCHEDULE

EQ#	DESCRIPTION	INSTALLED BY
F6	UNDERCOUNTER DISHWASHER	GC
G - ASSEMBLED WORKSTATIONS (METRO)		
G1	METRO RETHERMALIZER PREP WORKSTATION	WAWA
G2	METRO ROLL BAKING PREP WORKSTATION AND TIMER	WAWA
G4.1	SIZZLI/DOUBLE BATCH COMBO WORK STATION	WAWA
G5	SPEED RACK	
G6	RETHERMALIZER CART	
Z - EXTERIOR EQUIPMENT		
Z1	PORTABLE POWER WASH	-
Z2	BILLY GOAT	-
Z5	CALIBRATION CONTAINER	-
Z7	BAG OF SALT	-
Z8	SALT SPREAD	-
Z9	SAFETY CLEAN	-
Z10	CO2 TANK	-
Z12	OUTDOOR ICE MERCHANDISER	-
Z13	PROPANE KIOSK	WAWA

MILLWORK SCHEDULE

EQ#	DESCRIPTION	INSTALLED BY
MW - MILLWORK		
MW3.7	WRAP COUNTER	CABINET
MW4	HANDSINK CABINET	CABINET
MW5.5	COFFEE BREWER W/ SINK S.S. COUNTERTOP	CABINET
MW6.3	COFFEE SERVER COUNTER	CABINET
MW9.5	DEEP RINSE SINK COUNTER	CABINET
MW11.5	FULL SERVE DRINK COUNTER	CABINET
MW12	DESK UNIT	CABINET
MW13.1	(2) 22"W X 30"L	CABINET
MW14.1	ASSOCIATE COMPUTER TABLE (30"X22")	CABINET
MW15.1	ROLLING TOASTER CABINET (30"W)	CABINET
MW16.2	ISLAND CHECKOUT COUNTER	CABINET
MW16.3	MAIN CHECKOUT COUNTER	CABINET
MW16.9	MAIN CHECKOUT COUNTER	CABINET
MW17.3	SELF SERVE BEVERAGE COUNTER	CABINET
MW18.3	COFFEE CONDIMENT ISLAND	CABINET
MW20	HOT DOG CABINET W/ SOLID SURFACE COUNTERTOP	CABINET
MW21	ATM CABINET W/ SOLID SURFACE COUNTERTOP	CABINET
MW22.1	FULL SERVE DRINK BACK COUNTER	CABINET
MW25	24" HOT HOLDING CABINET	CABINET
MW26	DOUBLE CUP AND LID TOWER	CABINET
MW26.1	SINGLE CUP TOWER	CABINET
MW27	COFFEE SERVER COUNTER	CABINET

GENERAL NOTES

1. EQUIPMENT NUMBERS CORRESPOND TO WAWA'S BOARD OF HEALTH EQUIPMENT LIST MANUAL.
2. FLOOR ANCHORS: ALL TOP TRACK ROLLING STORAGE SHELVES SYSTEMS MUST BE BOLTED TO THE FLOOR TO KEEP THE SYSTEM FROM MOVING. GC TO BOLT THE TRIANGULAR FOOT PLATES OF THE STATIONARY UNITS WITH 3/8" DIAMETER SELF-ANCHORING BOLTS TO EXTEND INTO THE FLOORING MATERIAL AT LEAST ONE INCH.
3. GC TO BOLT TWO SAFES TO THE FLOOR, ONE IN THE MANAGER'S OFFICE AND ONE AT CHECKOUT CORE.
4. WALK-IN BOX MANUFACTURER TO PROVIDE VINYL BASE FOR INTERIOR OF BOXES ONLY.
5. SPLASH GUARDS FURNISHED BY WAWA, INSTALLED BY GC, U.N.O.
6. FOOD SERVICE AND CHECKOUT COUNTERTOPS MAXIMUM HEIGHT TO BE 34" A.F.F. AND TO COMPLY WITH ALL ACCESSIBILITY REQUIREMENTS AS PER (IBC CHAPTER 11 AND/OR ANSI A.117.1 2009).
7. PROVIDE 2"X2" ANGLE GUIDES FOR EQUIPMENT AS NOTED, 3 SIDES. REF DTL 8/A11.3

LEGEND

- (#) EQUIPMENT NUMBER. SEE EQUIPMENT SCHEDULE
- ATM AUTOMATIC TELLER MACHINE
- MU MUSIC SYSTEM ON 12" X 18" SHELF
- SPLASH GUARD
- (F) FIRE EXTINGUISHER. SEE DTL 13/A11.3 FOR LOCATION
- 6" PVC TUBE, 36" IN LENGTH, MTD. VERTICALLY TO WALL WITH METAL STRAPS
- EXIT EXIT SIGN
- P FIRE ALARM PULL STATION
- S CORNER SHELVING "S" HOOKS

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260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
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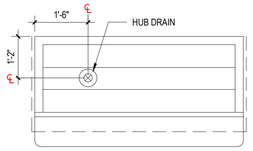
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REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	PROJECT NO.	DRAWN	CHECKED
U45FB-R v2025.Q1	6069812	RM	AB

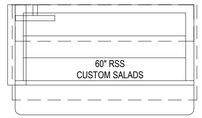
8216
UPPER SOUTHAMPTON, PA

Wawa

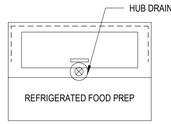
EQ1.0



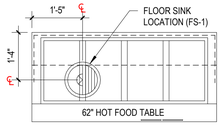
PLAN VIEW



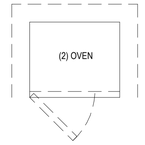
PLAN VIEW



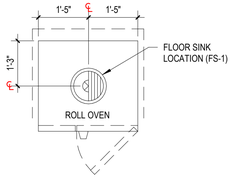
PLAN VIEW



PLAN VIEW



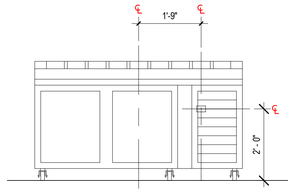
PLAN VIEW



PLAN VIEW



PLAN VIEW



REFRIGERATED SANDWICH STATION
ELEVATION VIEW

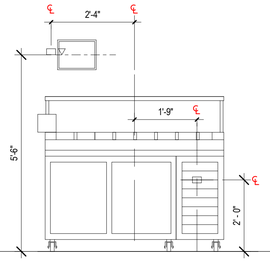
B1.1
B1.2

B1.1 / B1.2

POWER REQ: 120V, 13A

OUTLET TYPE: SPECIAL PURPOSE RECEPTACLE TWIST LOCK L5-20P, L5-20R

PLUMBING REQ: HUB DRAIN (INDIRECT)



BUILT TO ORDER - 60" RSS
ELEVATION VIEW

B1.1

B1.1 (BUILT TO ORDER)

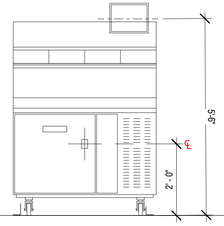
60" RSS
POWER REQ: 208V, 13A

OUTLET TYPE: GFI QUAD - L5-20P, L5-20R

PLUMBING REQ: HUB DRAIN (INDIRECT)

KPS W/ TELEPHONE DATA OUTLET
POWER REQ: 120V, 1.5A

OUTLET TYPE: GFI QUAD



REFRIGERATED
FOOD PREP UNIT
ELEVATION VIEW

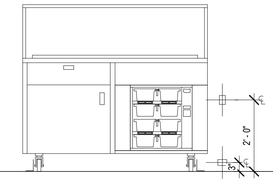
B24

B24

POWER REQ: 115V, 1/3 HP, 9A

OUTLET TYPE: GFI DUPLEX

PLUMBING REQ: HUB DRAIN (INDIRECT)



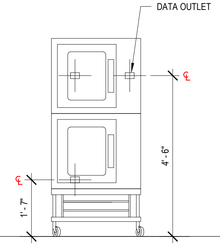
B9.1

B9.1

POWER REQ: 208V, 3PH 23.8A

OUTLET TYPE: L15-30R COVER

PLUMBING REQ: 1/2" HW W/ 3/4" COPPER HOSE CONNECTION FLOOR SINK (INDIRECT)



DOUBLE CONVECTION
OVEN ON STAND
ELEVATION VIEW

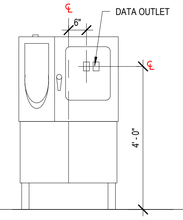
B32

B32

POWER REQ: 208V, 3PH, 22.1A 30A BREAKER

OUTLET TYPE: (2) L15-30R

PLUMBING REQ: N/A



ROLL OVEN
ELEVATION VIEW

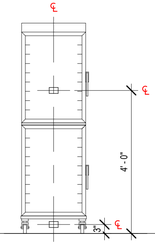
B42

B42

POWER REQ: 208V, 3PH, 11.1Kw, 40A BREAKER

OUTLET TYPE: L15-50P, L15-50R

PLUMBING REQ: 3/4" CW (1/2" CSRX) FLOOR SINK (INDIRECT)



ROLL CABINET
ELEVATION VIEW

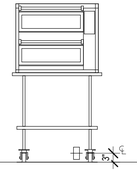
B44

B44

POWER REQ: 120V

OUTLET TYPE: GFI DUPLEX

PLUMBING REQ: N/A



DOUBLE BATCH OVEN
ELEVATION VIEW

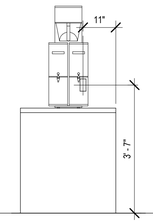
B59
B60

B59, B60

POWER REQ: 208V, 2PH, 8320W, 50A BREAKER

OUTLET TYPE: SPECIAL PURPOSE TWIST LOCK L6-50R

PLUMBING REQ: N/A



ICED COFFEE BREWER
ELEVATION VIEW

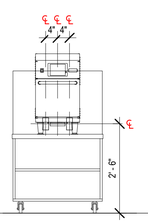
B51

B51

POWER REQ: 120v, 1PH, 1600W, 13.8A

OUTLET TYPE: WP/GFI DUPLEX

PLUMBING REQ: 1/2" CSRX. OVERFLOW ROUTED TO NEARBY FLOOR SINK



TOASTER ON FRONT LINE
W/ ROLLING CABINET
ELEVATION VIEW

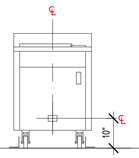
B14.2

B14.2

POWER REQ: 208V, 1PH, 1500W, 30A BREAKER

OUTLET TYPE: SPECIAL PURPOSE TWIST LOCK L6-30R

PLUMBING REQ: N/A



RETHERMALIZER
ELEVATION VIEW

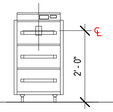
B12.2

B12.2

POWER REQ: 208V, 3PH, 900W, 30A BREAKER

OUTLET TYPE: L15-30P, L15-30R COVER

PLUMBING REQ: 1/2" HW FLOOR SINK (INDIRECT)



DRAWER WARMERS
ELEVATION VIEW

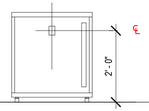
B45

B45

POWER REQ: 120V, 1.015W, 8.5A

OUTLET TYPE: WP/GFI DUPLEX

PLUMBING REQ: N/A



UNDER COUNTER
REFRIGERATOR / FREEZER
ELEVATION VIEW

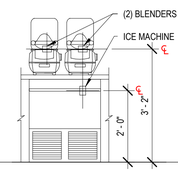
B30.1
B30.2

B30.1 / B30.2

POWER REQ: 120V, 1/5 HP, 2.2A

OUTLET TYPE: GFI DUPLEX

PLUMBING REQ: N/A



BLENDER W/ ICE MACHINE BELOW
ELEVATION VIEW

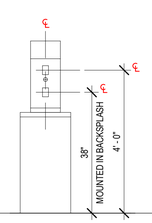
B36
B37.1

B36 / B37.1

POWER REQ:
BLENDER: 120V, 10A, 20A BREAKER
ICE MACHINE: 120V, 7.4A, 20A BREAKER

OUTLET TYPE: (2) GFI DUPLEX

PLUMBING REQ: (1/2" CSRX) HUB DRAIN (INDIRECT)



MILKSHAKE BLENDER
ELEVATION VIEW

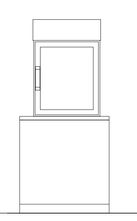
B49

B49

POWER REQ: 120V

OUTLET TYPE: GFI DUPLEX

PLUMBING REQ: N/A



HOTDOG
ELEVATION VIEW

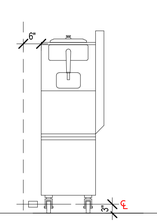
B8

B8

POWER REQ: 120V

OUTLET TYPE: DUPLEX

PLUMBING REQ: N/A



TAYLOR BARREL
ELEVATION VIEW

B50.1

B50.1

POWER REQ: 208V, 3PH, 4.4kW, 30A BREAKER

OUTLET TYPE: L15-30P, L15-30R

PLUMBING REQ: N/A

AECOM
AECOM Services of PA, Inc.
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
TYPICAL EQUIPMENT DETAILS

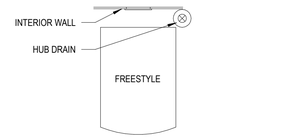
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60699812
DRAWN	RM
CHECKED	AB

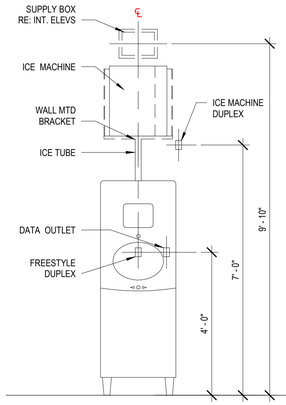
8216
UPPER SOUTHAMPTON, PA

Wawa

EQ1.1



PLAN VIEW



FRESTYLE W/ ICE MACHINE
ELEVATION VIEW

C22
C28

C22 / C28

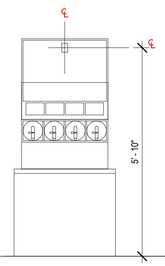
POWER REQ:
FREESTYLE: 120V, 1/3 HP, 7A, 20A BREAKER
ICE MACHINE: 208V, 1PH, 15.3A, 20A BREAKER

OUTLET TYPE: (2) DUPLEX

PLUMBING REQ: C22 - 1/2" CSRX
C28 - 1/2" FILTERED WATER
3" HUB DRAIN (INDIRECT)



PLAN VIEW



FROZEN CARBONATOR BEVERAGES
ELEVATION VIEW

C23

C23

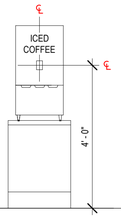
POWER REQ: 208V, 1PH, 30A BREAKER

OUTLET TYPE: L6-30R

PLUMBING REQ: (1/2" CSR), HUB DRAIN (INDIRECT)



PLAN VIEW



ICED COFFEE DISPENSER
ELEVATION VIEW

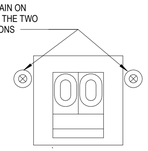
C20

C20

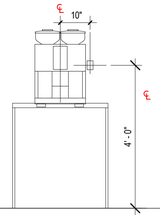
POWER REQ: 120V, 4A

OUTLET TYPE: DUPLEX

PLUMBING REQ: N/A



PLAN VIEW



ESPRESSO
ELEVATION VIEW

B40

B40

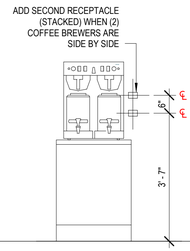
POWER REQ: 208V, 1PH, 5000W

OUTLET TYPE: SPECIAL PURPOSE RECEPT
TWIST LOCK. L6-30R

PLUMBING REQ: (1/2" CSRX)
HUB DRAIN (INDIRECT)



PLAN VIEW



COFFEE BREWER
ELEVATION VIEW

B26.3

B26.3 B

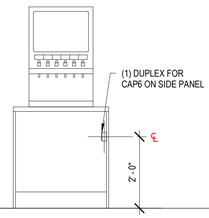
POWER REQ: 208V, 1PH, 28A, 40A BREAKER

OUTLET TYPE: SPECIAL PURPOSE RECEPT
L14-50-R

PLUMBING REQ: (1/2" CSRX)



PLAN VIEW



CAPPUCCINO
ELEVATION VIEW

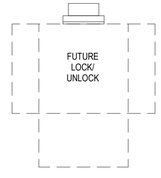
B29.1

B29.1

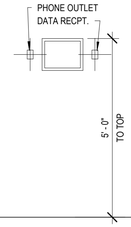
POWER REQ: 120V, 1.8kW, 20A BREAKER

OUTLET TYPE: GFI DUPLEX

PLUMBING REQ: (1/2" CSRX)



PLAN VIEW



CAT LOCK/UNLOCK
ELEVATION VIEW

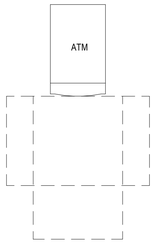
B47

B47

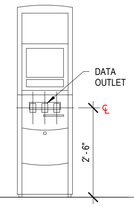
POWER REQ:

OUTLET TYPE: (1) DUPLEX

PLUMBING REQ: N/A



PLAN VIEW



ATM
ELEVATION VIEW

C11

C11

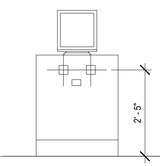
POWER REQ:

OUTLET TYPE: (2) DUPLEX

PLUMBING REQ: N/A



PLAN VIEW



CUSTOMER ACCESS TERMINAL
ELEVATION VIEW

B47

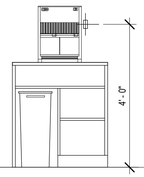
POWER REQ: 120V, 16W

OUTLET TYPE: (2) QUAD

PLUMBING REQ: N/A



PLAN VIEW



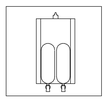
ELECTRIC CRISPER
ELEVATION VIEW

B58

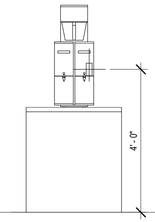
POWER REQ: 120V

OUTLET TYPE: GFI DUPLEX

PLUMBING REQ: N/A



PLAN VIEW



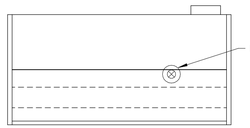
ICED COFFEE BREWER
ELEVATION VIEW

B51

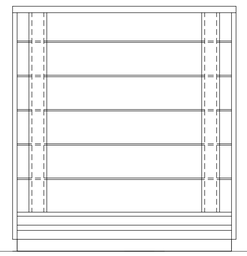
POWER REQ: 120V, 10A, 20A BREAKER

OUTLET TYPE: GFI DUPLEX

PLUMBING REQ: (1/2" CSRX)



PLAN VIEW



6' EXPRESS CASE
ELEVATION VIEW

C3.3

C3.3

POWER REQ: 120V, 1PH, W, A
BREAKER

OUTLET TYPE:

PLUMBING REQ: HUB DRAIN (INDIRECT)

AECOM
AECOM Services of PA, Inc.
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
TYPICAL EQUIPMENT DETAILS

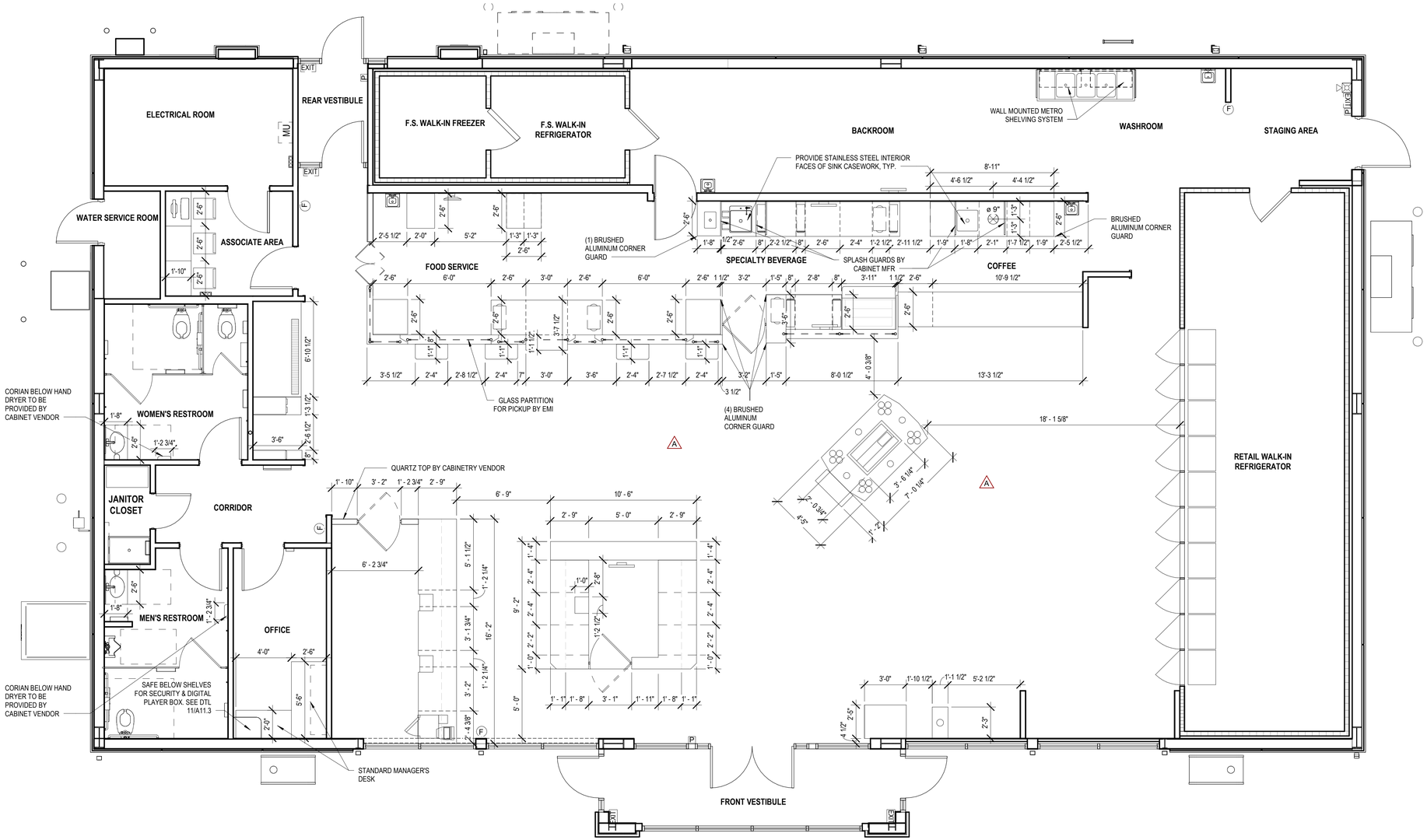
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ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60699612
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA

Wawa

EQ1.2



1 CABINETRY PLAN
CB1.0 1/4" = 1'-0"

AECOM
AECOM Services of PA, Inc.
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

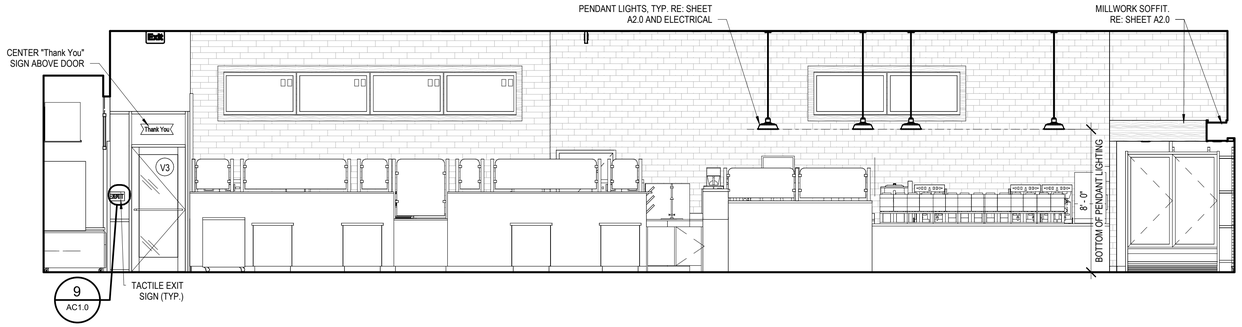
PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
CABINETRY PLAN

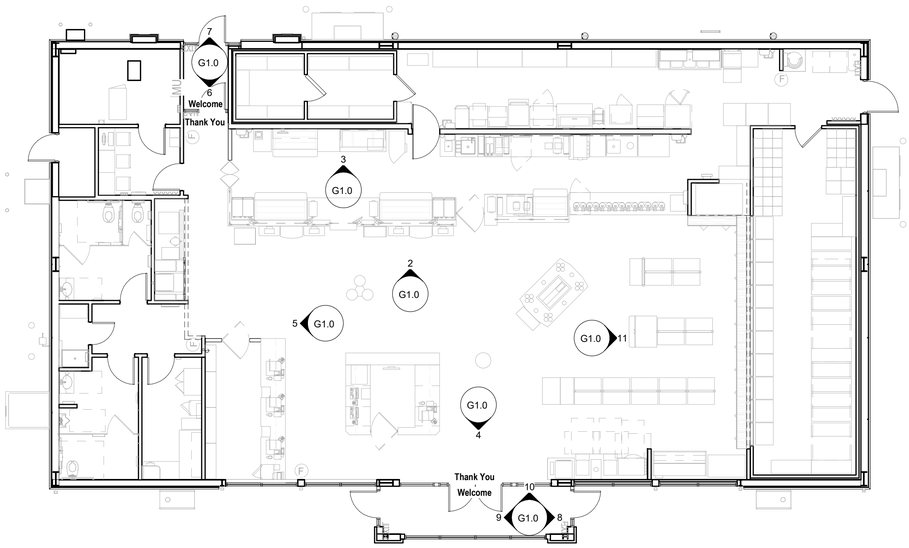
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60659812
DRAWN	RM
CHECKED	AB

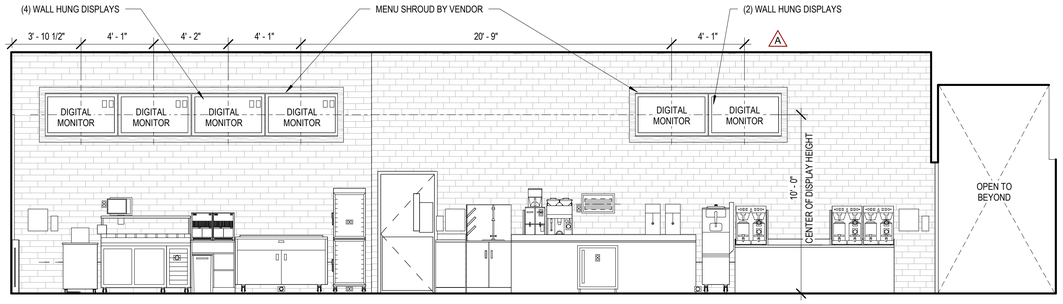
8216
UPPER SOUTHAMPTON, PA
Wawa
CB1.0



2 GRAPHICS FRONT LINE ELEVATION
G1.0 — 1/4" = 1'-0"

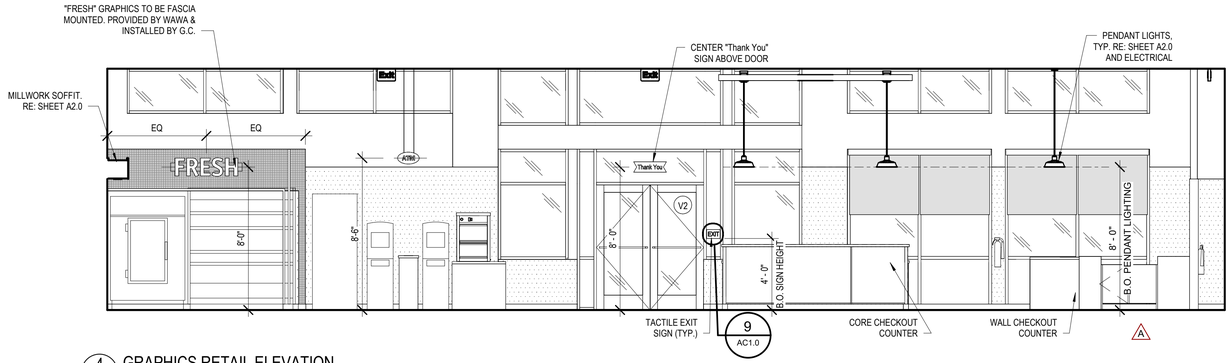


1 GRAPHICS FLOOR PLAN
G1.0 — 1/8" = 1'-0"

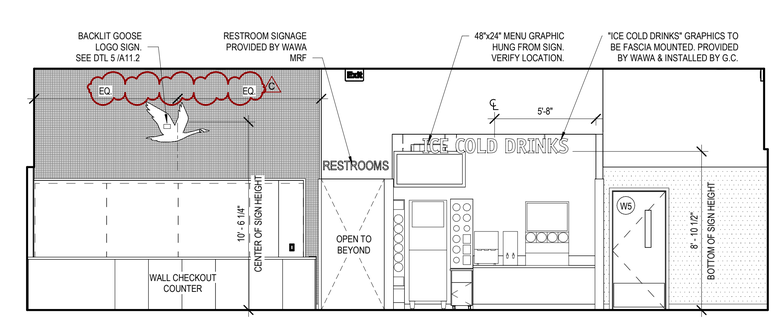


3 GRAPHICS BACK LINE ELEVATION
G1.0 — 1/4" = 1'-0"

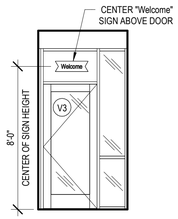
GENERAL NOTES	GRAPHICS LEGEND	
1. LETTER GRAPHICS ARE FURNISHED AND INSTALLED BY OTHERS. 2. MENU BOARDS ARE FURNISHED BY OTHERS AND INSTALLED BY GC. 3. DIGITAL MONITOR, BRACKET, AND COLUMN MOUNT SUPPORT ARE TO BE FURNISHED BY WAWA AND INSTALLED BY GC. CONTRACTOR SHALL COORDINATE AND INSTALL NECESSARY MISCELLANEOUS STEEL FOR COLUMN MOUNT ATTACHMENT. 4. DIGITAL MONITOR CEILING HUNG LOCATION DIMENSIONS SHOWN ON PLAN ARE TO THE CENTER OF COLUMN SUPPORT AND SHOULD BE VERIFIED IN THE FIELD. 5. WAWA REPRESENTATIVE TO VERIFY FINAL LOCATION OF ALL GRAPHICS. 6. SEE FLOOR PLAN FOR LOCATIONS AND GRAPHICS REQUIRED.	GRAPHICS	DESCRIPTION
	Thank You	WALL MOUNTED SIGN
	Welcome	WALL MOUNTED SIGN
	Exit Only	WALL MOUNTED SIGN
		DIGITAL MONITOR BACKER BOARD MOUNTED
		DIGITAL MONITOR CEILING MOUNTED
	MB	MENU BOARD BACKER BOARD MOUNTED



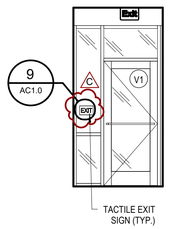
4 GRAPHICS RETAIL ELEVATION
G1.0 — 1/4" = 1'-0"



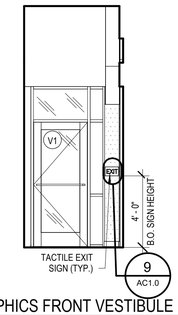
5 GRAPHICS RETAIL ELEVATION
G1.0 — 1/4" = 1'-0"



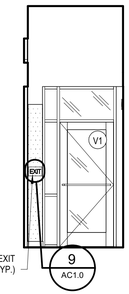
6 GRAPHICS REAR VESTIBULE ELEV.
G1.0 — 1/4" = 1'-0"



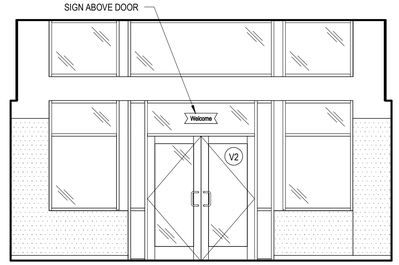
7 GRAPHICS REAR VESTIBULE ELEV.
G1.0 — 1/4" = 1'-0"



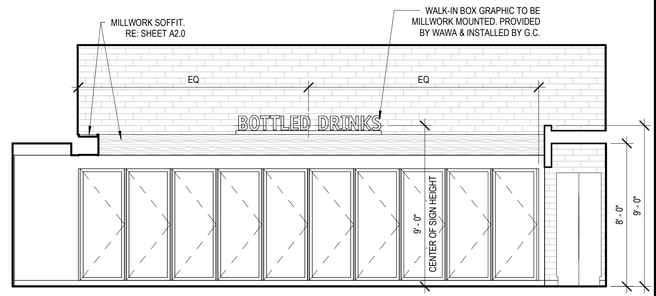
8 GRAPHICS FRONT VESTIBULE ELEV.
G1.0 — 1/4" = 1'-0"



9 GRAPHICS FRONT VESTIBULE ELEV.
G1.0 — 1/4" = 1'-0"



10 GRAPHICS FRONT VESTIBULE ELEV.
G1.0 — 1/4" = 1'-0"



11 GRAPHICS RETAIL ELEVATION
G1.0 — 1/4" = 1'-0"

AECOM
AECOM Services of PA, Inc.
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB-R v2025.Q1
WAWA STORE 8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
GRAPHICS PLAN AND ELEVATIONS

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/11/2025

PROTOTYPE	U45FB-R v2025.Q1
PROJECT NO.	60659612
DRAWN	Author
CHECKED	Checker

8216
UPPER SOUTHAMPTON, PA

Wawa

G1.0

GENERAL

A. THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.

B NOT ALL EXISTING CONDITIONS, PROPOSED CONDITIONS, OR UTILITIES ARE SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE STRUCTURAL WORK WITH THE WORK OF OTHER TRADES. IN CASE OF CONFLICT, NOTIFY THE ENGINEER OF RECORD.

C. THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETE STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND STRUCTURE DURING ERECTION AND UNTIL ALL PERMANENT CONNECTIONS ARE MADE. TEMPORARY BRACING FOR THE STRUCTURE MUST BE PROVIDED IN ALL DIRECTIONS.

D. ONLY USE DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE DRAWINGS.

E. ELEVATIONS INDICATED ON THE STRUCTURAL DRAWINGS ARE BASED ON A PROJECT DATUM INDICATED ON THE ARCHITECTURAL DRAWINGS.

DESIGN CRITERIA:

A. PENNSYLVANIA BUILDING CODE BASED ON 2018 INTERNATIONAL BUILDING CODE

B. ASCE 7-16, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES

C. ACI 318-14, STRUCTURAL CONCRETE BUILDING CODE

D. AISC MANUAL OF STEEL CONSTRUCTION, 16TH EDITION

E. AISI 2016 COLD FORMED STEEL DESIGN MANUAL

G. SERVICEABILITY AND DEFLECTION CRITERIA PER GOVERNING COMPONENT DESIGN STANDARD

DELEGATED ENGINNERING:

THE FOLLOWING SYSTEMS REQUIRE DELEGATED ENGINEERING. REVIEW SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.

A. COLD-FORMED METAL FRAMING AND TRUSSES.
B. STRUCTURAL STEEL - CONNECTIONS
C. STEEL OPEN WEB JOISTS.
D. ACCESS LADDERS.
E. GATES, DOORS, AND FENESTRATION SYSTEMS.

DESIGN LOADING:

A. ROOF LIVE LOADS: 20 PSF

B. ROOF SUPERIMPOSED DEAD LOAD: 15 PSF

C. SNOW LOADING:

1.	GROUND SNOW LOAD, PG:	25 PSF
2.	FLAT-ROOF SNOW LOAD, PF:	20 PSF
3.	SNOW EXPOSURE FACTOR, CF:	1.00
4.	SNOW LOAD IMPORTANCE FACTOR, IS:	1.00
5.	THERMAL FACTOR, CF:	1.00
6.	SNOW DRIFT LENGTH, SDL:	SEE SHEET S3.0
7.	SNOW DRIFT LOAD, SD:	SEE SHEET S3.0

D. WIND LOADING

1.	ULTIMATE DESIGN WIND SPEED, VULT:	114 MPH
2.	NOMINAL WIND SPEED VASD:	89 MPH
3.	RISK CATEGORY (TABLE 1.5-1, ASCE 7):	II
4.	WIND EXPOSURE:	C
5.	ENCLOSURE CLASSIFICATION:	ENCLOSED (+/- 0.18)
6.	COMPONENT AND CLADDING :	SEE CHARTS THIS SHEET
7.	NET UPLIFT LOADING (ASD - STEEL JOIST)	SEE THIS SHEET FOR C&C WIND PRESSURES.
		INTERIOR = 21 PSF (ASD)
		PERIMETER = 28 PSF (ASD WITHIN 9'-8" OF OUTSIDE WALLS)
		DEAD LOAD RESISTANCE = 10 PSF

E. SEISMIC LOADING (DESIGN CATEGORY AND CLASS)

1.	RISK CATEGORY:	II
2.	SEISMIC IMPORTANCE FACTOR:	1.0
3.	MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS	
a.	SS:	0.191 g
b.	S1:	0.049 g
4.	SITE CLASS:	D
5.	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS	
a.	SDS:	0.204 g
b.	SD1:	0.078 g
6.	SEISMIC DESIGN CATEGORY:	B
7.	BASIC SEISMIC FORCE-RESISTING SYSTEM(S):	LIGHT FRAMED WALLS W/ SHEATHING
8.	DESIGN BASE SHEAR(S):	8.20 KIPS
9.	SEISMIC RESPONSE COEFFICIENT, CS:	0.0358
10.	RESPONSE MODIFICATION COEFFICIENT(S), R	6.5
11.	ANALYSIS PROCEDURE USED:	ASCE 7-16 EQUIV LATERAL METHOD

F. FLOOD DESIGN DATA: NOT APPLICABLE

01003 SUBMITTALS

A. SHOP DRAWINGS / DATA TO BE SUBMITTED FOR APPROVAL.
1. STRUCTURAL STEEL SHOP DRAWINGS (INCLUDING STEEL JOISTS AND GIRDERS)
a. ERECTION DRAWINGS
b. PIECE DRAWINGS
c. METAL DECK DRAWINGS
d. PREP PROCEDURE AND PRIMING MATERIAL
e. CURRENT WELDERS CERTIFICATIONS
2. CONCRETE
a. MIX DESIGN
b. MATERIAL CERTIFICATES
c. HISTORICAL TESTING BACKGROUND
3. CONCRETE REINFORCING SHOP DRAWINGS
a. PLACEMENT DRAWINGS
b. FABRICATION AND BENDING DETAILS

B. IN ADDITION TO THE SUBMITTALS LISTED IN THE PROJECT MANUAL AND SPECIFICATIONS, THE FOLLOWING SHOP DRAWINGS ARE REQUIRED:
a. PREFABRICATED LIGHT GAUGE METAL ROOF TRUSSES.
b. CLIPS, SCREWS, BOLTS, AND FASTENER PRODUCT SHEETS

C. SEE SECTION 01003 IN THE PROJECT MANUAL AND SPECIFICATIONS FOR THE LIST OF REQUIRED STRUCTURAL SUBMITTALS / SHOP DRAWINGS.

D. SEE SECTION 01002-14 "SHOP DRAWINGS SUBMITTAL" IN THE PROJECT MANUAL AND SPECIFICATIONS FOR SUBMITTAL RESPONSIBILITIES AND REQUIREMENTS.

STRUCTURAL SPECIAL INSPECTION

A. THE CONTRACTOR OR OWNER SHALL EMPLOY A QUALIFIED INDEPENDENT INSPECTION AGENCY. THIS AGENCY (REFERRED TO AS INSPECTOR HEREIN) SHALL BE RESPONSIBLE FOR VERIFYING THAT PROJECT STRUCTURAL WORK IS ACCOMPLISHED IN CONFORMANCE WITH THE CONTRACT DOCUMENTS AND BUILDING CODE REQUIREMENTS.

B. DURATION AND FREQUENCY OF JOB VISITS SHALL BE SUFFICIENT FOR THE INSPECTOR TO STATE AT THE COMPLETION OF THE PROJECT THAT THE STRUCTURAL WORK IS ACCOMPLISHED, AND ITS RELATED ELEMENTS HAVE BEEN ERECTED IN ACCORDANCE WITH THE CONTACT DOCUMENTS. SPECIFIC SYSTEMS TO BE INSPECTED INCLUDE:
1. FOUNDATION REINFORCING & CONCRETE
2. STRUCTURAL STEEL

C.. THE FOREGOING LIST IS NOT INTENDED TO BE ALL INCLUSIVE. THE INSPECTOR SHALL USE HIS PROFESSIONAL JUDGEMENT AND HIS KNOWLEDGE OF THE JOB SITE CONDITIONS AND THE OFFICIAL CONTRACT DOCUMENTS. THE INSPECTOR WILL NOT REPLACE THE QUALITY CONTROL PERSONNEL OF THE CONTRACTOR.

D.. THE INSPECTOR DOES NOT RELIEVE THE CONTRACTORS CONTRACTUAL OR STATUTORY OBLIGATIONS. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS. THE INSPECTOR WILL NOT REPLACE THE QUALITY CONTROL PERSONNEL OF THE CONTRACTOR.

E. ALL INSPECTION REPORTS SHALL BE FORWARD BY THE INSPECTOR TO THE ENGINEER AND ARCHITECT OF RECORD AND THE AUTHORITIES HAVING JURISDICTION.

02001 EARTHWORK / FOUNDATIONS

A. FOUNDATION DESIGN IS BASED UPON THE FOLLOWING SOILS REPORT:
COMPANY NAME: GILMORE AND ASSOCIATES, INC.
DATE: 03/01/2024
PROJECT NO: 22-01199.07
THE DESIGN ALLOWABLE SOIL BEARING PRESSURE : 3000 PSF

B. ALL EXTERIOR FOOTINGS SHALL EXTEND BELOW THE MAXIMUM ANTICIPATEDS DEPTH OF FROST (-3'-0"), TYP, UNO.

C. SEE SECTION 02001-04 IN THE PROJECT MANUAL AND SPECIFICATIONS FOR EARTHWORKS TO INCLUDE BUT NOT LIMITED TO:

1. PREPARING AND GRADING SUBGRADES FOR SLABS-ON-GRADE
2. EXCAVATING AND BACKFILLING FOR BUILDINGS AND STRUCTURES
3. DRAINAGE AND MOISTURE - CONTROL FILL COARSE FOR SLABS-ON-GRADE
4. EXCAVATING AND BACKFILLING TRENCHES WITHIN BUILDING LINES
5. MATERIAL, INSPECTION, AND TESTING REQUIREMENTS

D. ANY FILL REQUIRED TO BACKFILL EXCAVATED AREA OR ACHIEVE FINISHED GRADE IN STRUCTURAL AREAS SHALL BE AS INDICATED BY GEOTECHNICAL ENGINEER. THE FILL SHALL BE PLACED IN LEVEL LIFTS NOT EXCEED 6" LOOSE THICKNESS WHEN LIGHT DUTY COMPACTORS ARE USED AND 10" WHEN HEAVY DUTY ROLLERS ARE USED AND COMPACTED TO A MINIMUM OF 95% OF THE SOIL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM SPECIFICATION D-1557.

E. IN-PLACE DENSITY TESTS SHALL BE PERFORMED BY AN EXPERIENCED ENGINEERING TECHNICIAN. TESTS SHALL BE PERFORMED FOR EACH 2,000 SQUARE FEET, IN EVERY COLUMN FOOTING LOCATION AND EACH 50' ALONG WALL FOOTINGS. COPIES OF THE TEST REPORTS SHALL BE FURNISHED TO THE STRUCTURAL ENGINEER.

F. REMOVE FREE WATER FROM EXCAVATIONS BEFORE PLACING CONCRETE. WATER TABLE ASSUMED BELOW 6'-0" PRECLUDING BUOYANCY CONDITIONS ON FOOTINGS.

G. CAUTION SHOULD BE USED WHEN OPERATING VIBRATORY COMPACTING EQUIPMENT NEAR THE EXISTING STRUCTURE TO AVOID THE RISK OF DAMAGE TO THE STRUCTURE.

H. REFER TO ARCHITECTURE DRAWINGS FOR ANY NECESSARY WATERPROOFING REQUIREMENTS.

03301 CAST-IN-PLACE CONCRETE

A. SEE SECTION 03301 IN THE PROJECT MANUAL AND SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO:

1. GENERAL REQUIREMENTS
a. SUBMITTALS
b. QUALITY ASSURANCE / CODE REQUIREMENTS
2. PRODUCT / MATERIAL REQUIREMENTS
3. EXECUTION OF WORK REQUIREMENTS
a. SHORING
b. VAPOR RETARDER
c. JOINTS
d. PLACEMENT / FINISHING
e. CURING
4. QUALITY CONTROL – TESTING REQUIREMENTS

B. SUMMARY OF PROJECT MANUAL AND SPECIFICATIONS SECTION 03301-02 PRODUCTS:

1.	CONCRETE STRENGTH:	4,000 PSI
2.	STEEL REINFORCEMENT:	60 KSI
3.	SLAB REINFORCEMENT:	6X6XW1.4XW1.4 WWF ASTM A185, FLAT SHEET

C. LAP SPLICE REINFORCEMENT LENGTH = 44 x BAR DIAMETER

04200 UNIT MASONRY

A. SEE SECTION 04200 IN THE PROJECT MANUAL AND SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO:

1. GENERAL REQUIREMENTS
a. SUBMITTALS
b. MATERIAL REQUIREMENTS
c. HOT-WEATHER AND COLD-WEATHER REQUIREMENTS
2. PERFORMANCE REQUIREMENTS
a. MASONRY COMPRESSIVE STRENGTH (f'm): 2000-PSI
3. PRODUCTS
4. EXECUTION
5. FIELD QUALITY CONTROL

B. SUMMARY OF PROJECT MANUAL AND SPECIFICATIONS SECTION 04200-03 PRODUCTS:

1.	CONCRETE MASONRY UNITS:	ASTM C 90 - NORMAL WEIGHT, TYPE (I) MOISTURE CONTROLLED
2.	MORTAR:	ASTM C 270, TYPE S
3.	GROUT:	ASTM C476, COARSE (MIN 2,000-PSI)
4.	STEEL REINFORCING BARS:	ASTM A 615 - GRADE 60
5.	MASONRY JOINT REINFORCEMENT:	ASTM A 951 HOT-DIP GALVANIZED CARBON STEEL WIRE

C. LAP SPLICE REINFORCEMENT IN CMU LENGTH = 28" (#5 BARS), FOR (1) BAR PER CELL
45" (#5 BARS), FOR (2) BARS PER CELL

D. ALL MASONRY LOCATED BELOW GRADE SHALL BE GROUTED SOLID.

E. GROUT FOR FILLED CELLS SHALL CONFORM TO ASTM C476, AND SHALL HAVE A SLUMP OF BETWEEN 8" AND 11". GROUT COMPRESSIVE STRENGTH SHALL BE 2000 PSI AT 28 DAYS. ALL GROUTING SHALL BE LOW LIFT. MAXIMUM GROUT POUR HEIGHT = 5'-0".

F. PLACE ALL MASONRY IN RUNNING BOND WITH 3/8" MORTAR JOINTS. PROVIDE COMPLETE COVERAGE FACE SHELL MORTAR BEDDING, HORIZONTAL AND VERTICAL. PROVIDE FULL MORTAR WEBS IN ALL COURSE OF GROUTED CELLS AND CELLS ADJACENT TO GROUTED CELLS.

G. PROVIDE 8" DEEP PRECAST REINFORCED CONCRETE LINTELS OVER ALL MASONRY OPENINGS NOT SHOWN TO HAVE A STRUCTURAL BEAM. MINIMUM END BEARING SHALL BE 8". LINTEL WIDTH TO MATCH MASONRY WIDTH.

H. ALL EPOXY ANCHORS USED IN MASONRY SHALL OCCUR AT GROUTED, REINFORCED CELLS.

I. REINFORCING, UNLESS OTHERWISE NOTED IN PLANS:
1. ALL OPENINGS IN CMU SHALL BE REINFORCED WITH AT LEAST (1) #5 BAR AT THE TOP, BOTTOM AND BOTH SIDES OF THE OPENING
2. BOND BEAM AT ROOF LEVEL SHALL BE DOUBLE COURSE KO / LINTEL BLOCK WITH (2) #5 CONT BARS EACH COURSE, AND BOND BEAM AT PARAPET LEVEL SHALL BE SINGLE COURSE KO / LINTEL BLOCK WITH (2) #5 CONT BARS
3. HORIZONTAL WALL REINFORCING SHALL BE 9 GAUGE GALVANIZED LADDER TYPE AT 16" OC VERTICAL
4. ALL REINFORCING HOOKS AND BENDS SHALL BE STANDARD ACI TYPE
5. ALL WALL DOWELS SHALL MATCH REINFORCING SIZE AND QTY

J. POWDER ACTUATED FASTENERS (PAFS) NOT PERMITTED AT MASONRY.

05120 STRUCTURAL STEEL

A. SEE SECTION 05120 IN THE PROJECT MANUAL AND SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO:

1. GENERAL REQUIREMENTS
a. FABRICATOR REQUIREMENTS
b. SUBMITTALS
c. CODE REQUIREMENTS
2. PRODUCT / MATERIAL REQUIREMENTS
3. PAINTING REQUIREMENTS
4. EXECUTION OF WORK REQUIREMENTS
a. FABRICATION
b. ERECTION
5. QUALITY ASSURANCE REQUIREMENTS (INSPECTIONS & TESTING)

B. SUMMARY OF PROJECT MANUAL AND SPECIFICATIONS 05120 PRODUCTS:

1. MATERIALS:

a.	W SHAPES:	ASTM A992 (50 KSI)
b.	TUBE SHAPES	ASTM A500 GR. C (50 KSI)
c.	CHANNELS AND ANGLES:	ASTM A36 (36 KSI)
d.	PLATES:	ASTM A36 (36 KSI)
e.	BOLTS:	ASTM A 325
f.	ANCHOR BOLTS/RODS:	ASTM F 1554, GRADE 55 (S1)
g.	ANCHOR BOLT NUT:	HEAVY HEX HEAD ASTM A563
h.	ANCHOR BOLT WASHERS:	ASTM F 436
i.	ELECTRODES FOR WELDING:	AWS CODE E70XX

C. TEMPLATES SHALL BE PROVIDED FOR ALL ANCHOR BOLTS/RODS CAST IN CONCRETE.

05120 STRUCTURAL STEEL (CONTINUED)

D. GALVANIZE STEEL MEMBERS INDICATED ON PLANS

1. GALVANIZE STEEL MEMBERS, FABRICATIONS AND ASSEMBLIES AFTER FABRICATION BY THE HOT-DIP PROCESS IN ACCORDANCE WITH ASTM A 123.

2. COATING REQUIREMENTS:
a. CONFORM TO PARAGRAPH 6.1 OF ASTM A 123, TABLE 1 OF ASTM A 153, OR TABLE 2 OF ASTM A 767 AS APPROPRIATE.
b. SURFACE FINISH: CONTINUOUS, ADHERENT, AS SMOOTH AND EVENLY DISTRIBUTED AS POSSIBLE AND FREE FROM ANY DEFECT DETRIMENTAL TO THE END USE OF THE COATED ARTICLE
c. ADHESION: WITHSTAND NORMAL HANDLING CONSISTANT WITH THE NATURE AND THICKNESS OF THE COATING AND NORMAL USE OF THE ARTICLE.

3. REPAIR OF DAMAGED COATING: REPAIR DAMAGED AREAS BY WELDING, FLAME CUTTING OR DURING HANDLING, TRANSPORT OR ERECTION BY ONE OF THE APPROVED METHODS IN ACCORDANCE WITH ASTM A 780 WHENEVER DAMAGE EXCEEDS 3/16" IN WIDTH. MINIMUM THICKNESS REQUIREMENTS FOR THE REPAIR ARE THOSE DESCRIBED IN ASTM A123 SECTION 6.2, CURRENT EDITION.

E. GROUT UNDER BEARING PLATES SHALL BE NON-METALLIC, NON-SHRINK TYPE WITH A COMPRESSIVE STRENGTH OF AT LEAST 6000 PSI WHEN BEARING ON 3000 PSI CONCRETE AND 8000 PSI WHEN BEARING ON 4000 PSI CONCRETE.

05210 STEEL JOISTS

A. SEE SECTION 05120 IN THE PROJECT MANUAL AND SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO:

1. GENERAL REQUIREMENTS – STEEL JOISTS
a. SUBMITTALS
b. QUALITY ASSURANCE – REFERENCE SPECIFICATION REQUIREMENTS
c. DELIVERY, STORAGE, AND HANDLING REQUIREMENTS
2. PRODUCT / MATERIAL REQUIREMENTS
a. JOISTS, BRIDGING, AND ACCESSORIES
b. PAINTING
3. EXECUTION OF WORK REQUIREMENTS
a. INSTALLATION
4. QUALITY ASSURANCE REQUIREMENTS (INSPECTIONS & TESTING)

B. ALL JOISTS SHOWN IN THE PLANS ARE MINIMUM SIZES. DEPTH CANNOT BE INCREASED WITHOUT WRITTEN APPROVAL FROM ENGINEER OF RECORD.

C. STEEL JOIST FRAMING SHALL BE DESIGNED PER THE LOADING SHOWN IN SHEETS S1 & S3

D. DIAGONAL BRIDGING / BRACING SHALL BE BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.

05310 STEEL DECK

A. REFER TO ROOF PLAN FOR METAL DECK SIZE AND ATTACHMENT INFORMATION.

B. SEE SECTION 05310 IN THE PROJECT MANUAL AND SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO:

1. GENERAL REQUIREMENTS
a. SUBMITTALS
b. QUALITY ASSURANCE – REFERENCE SPECIFICATION REQUIREMENTS
2. PRODUCT / MATERIAL REQUIREMENTS
3. EXECUTION OF WORK REQUIREMENTS
a. INSTALLATION
b. ACCESSORIES
c. GALVANIZING REPAIR
4. QUALITY ASSURANCE REQUIREMENTS (INSPECTIONS & TESTING)

C. WELD METAL SHALL PENETRATE ALL LAYERS OF DECK MATERIAL. END LAPS AND SIDE JOINTS SHALL BE COMPLETELY FUSED TO THE SUPPORTING MEMBERS. USE PROPER SIZE WELDING ELECTRODE AND WELDING MACHINE CURRENT, SO THAT WELDS ARE ADEQUATE PENETRATION AND FREE FROM "BURN-THROUGH".

D. METAL DECK SHALL BE ERECTED CONTINUOUS FOR A MINIMUM OF 3 SPANS AND SHALL LAP AT THE CENTERLINE OF SUPPORTS A MINIMUM OF 2". PROVIDE A MINIMUM END BEARING OF 2" OVER SUPPORTS.

E. PROVIDE SUPPORTS FOR METAL DECK AS REQUIRED WHERE METAL DECK IS CUT OUT. WELD DECK TO SUPPORTS SAME AS EDGE CONDITION.

F. DO NOT HANG OR ATTACH DUCTWORK, CONDUIT, PIPING, EQUIPMENT, CEILINGS, ETC. FROM METAL DECKING.

G. PROVIDE STL. SHIMS AND EMBEDS AS REQUIRED TO SUPPORT DECK ON "TYPICAL" BAY SPACING.

05400 COLD-FORMED METAL FRAMING

A. SEE SECTION 05400 IN THE PROJECT MANUAL AND SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO:

1. GENERAL REQUIREMENTS
a. STRUCTURAL PERFORMANCE
b. SUBMITTALS
c. QUALITY ASSURANCE – REFERENCE SPECIFICATION REQUIREMENTS
2. PRODUCT / MATERIAL REQUIREMENTS
a. STEEL REQUIREMENTS
b. WALL FRAMING
c. JOIST FRAMING
d. FABRICATION
e. FASTENERS AND ACCESSORIES
f. REPAIR PAINTING
3. EXECUTION OF WORK REQUIREMENTS
a. INSTALLATION
1. GENERAL
2. TOLERANCES
3. LOAD-BEARING WALL
4. CURTAIN-WALL
5. JOIST INSTALLATION
b. REPAIRS

05400 COLD-FORMED METAL FRAMING (CONTINUED)

B. ALL FRAMING SHOWN IN THE PLANS ARE MINIMUM SIZES. DIMENSIONS CANNOT BE INCREASED WITHOUT WRITTEN APPROVAL FROM ENGINEER OF RECORD.

C. PRE-ENGINEERED ROOF TRUSSES SHALL BE DESIGNED PER THE LOADING SHOWN IN DRAWINGS.

D. PRE-ENGINEERED ROOF TRUSSES SHALL BE DELIVERED, HANDLED, BRACED, AND INSTALLED PER AISI S214-07.

E. ALL CLIPS AND FASTENING HARDWARE SHALL BE TESTED AND RATED FOR THE LOAD RESISTED.

F. LIGHT GAUGE FRAMING SYSTEMS INCLUDING TRUSS SYSTEMS SHALL INCLUDE ALL NECESSARY PARTS AND ACCESSORIES, TEMPORARY AND PERMANENT, AS REQUIRED TO FORM A COMPLETE SYSTEM (ANCHORAGE INCLUDED).

06100 ROUGH CARPENTRY / SHEATHING

A. SEE SECTION 06100 IN THE PROJECT MANUAL AND SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO:

1. PRODUCT / MATERIAL REQUIREMENTS
a. LUMBER, GENERAL
b. WOOD-PRESERVATIVE-TREATED MATERIALS
c. DIMENSIONAL LUMBER: APPROVED GRADES AND SPECIES
d. WOOD-BASED STRUCTURAL USE PANELS
e. FASTENERS AND ANCHORS
2. EXECUTION OF WORK REQUIREMENTS
a. INSTALLATION
1. TOLERANCES
2. FRAMING CONNECTION REQUIREMENTS
a. "RECOMMENDED NAILING SCHEDULE" AFPA's NDS FOR WOOD CONSTRUCTION
b. INTERNATIONAL BUILDING CODE TABLE 2304.9.1
3. FASTENER COATING REQUIREMENTS
4. REQUIRED PRACTICE STANDARDS REFERENCES
a. AMERICAN PLYWOOD ASSOCIATION E30
b. AMERICAN PLYWOOD ASSOCIATION T625 WOOD STRUCTURAL PANELS OVER METAL FRAMING

B. WALL SHEATHING: APA RATED SHEATHING, EXTERIOR (C-C GRADE)

1. SHEATHING SHOULD BE PLACED PERPENDICULAR TO SUPPORTS

C. ROOF SHEATHING: APA RATED SHEATHING, EXTERIOR (C-C GRADE)

1. SHEATHING SHOULD BE PLACED PERPENDICULAR TO SUPPORTS

D. PARAPET SHEATHING: APA RATED SHEATHING, EXTERIOR (C-C GRADE)

1. SHEATHING SHOULD BE PLACED PERPENDICULAR TO SUPPORTS

E. FASTENERS

1. GENERAL: PROVIDE FASTENERS OF SIZE AND TYPE INDICATED THAT COMPLY WITH REQUIREMENTS SPECIFIED IN THIS ARTICLE FOR MATERIAL AND MANUFACTURE.
2. SCREWS FOR FASTENING WOOD STRUCTURAL PANELS TO COLD-FORMED METAL FRAMING: ASTM C 954, EXCEPT WITH WAFER HEADS AND REAMER WINGS, LENGTH AS RECOMMENDED BY SCREW MANUFACTURER FOR MATERIAL BEING FASTENED.

F. COORDINATE WALL, PARAPET, AND ROOF SHEATHING INSTALLATION WITH FLASHING AND JOINT-SEALANT INSTALLATION SO THESE MATERIALS ARE INSTALLED IN SEQUENCE AND MANNER THAT PREVENT EXTERIOR MOISTURE FROM PASSING THROUGH COMPLETED ASSEMBLY.

G. COORDINATE SHEATHING INSTALLATION WITH INSTALLATION OF MATERIALS INSTALLED OVER SHEATHING SO SHEATHING IS NOT EXPOSED TO PRECIPITATION OR LEFT EXPOSED AT END OF THE WORKDAY WHEN RAIN IS FORECAST.

H. ALL PANELS (GENERAL):

1. IDENTIFICATION REQUIREMENTS: EACH PANEL SHALL BE IDENTIFIED WITH THE APPROPRIATE TRADEMARK OF APA.
2. ALL PANELS HAVING ANY EDGE OR SURFACE EXPOSED LONG TERM TO WEATHER SHALL BE CLASSIFIED EXTERIOR.
3. PANEL PERFORMANCE CATEGORY, GRADE, AND GROUP NUMBER OR SPAN RATING SHALL BE AT LEAST EQUAL TO THAT SHOWN ON THE DRAWINGS. APPLICATION SHALL BE IN ACCORDANCE WITH APA.
4. 1/8" SPACING REQUIRED AT ALL PANEL ENDS AND EDGES.

J. ROOF SHEATHING:

1. INSTALL WITH LONG DIMENSION OR STRENGTH AXIS OF THE PANEL ACROSS SUPPORTS.
2. FASTEN TO LIGHT GAUGE METAL TRUSSES USING #10 SELF DRILLING SCREWS AT 6" OC ALONG UNSUPPORTED EDGES AND 12" OC AT INTERMEDIATE FRAMING MEMBERS. PROVIDE ONE PLYWOOD CLIP PER SPAN BETWEEN SHEET EDGES.

K. WALL / PARAPET SHEATHING:

1. APPLY WEATHER-RESISTANT BARRIER OVER PANEL WALL SHEATHING.

09960 COATINGS FOR STEEL

A. REFER TO SPECIFICATIONS FOR GENERAL REQUIREMENTS, PRODUCTS, AND EXECUTION OF WORK.

B. ASPHALTIC BASED CORROSION RESISTANCE COATING SHALL BE MADE WITH AN ASPHALT-BASE EMULSION COATING SYSTEM PER ASTM D 1187.

C. APPLY A MINIMUM 1/16-INCH THICK COATING IN TWO APPLICATIONS.

09960 COATINGS FOR STEEL (CONTINUED)

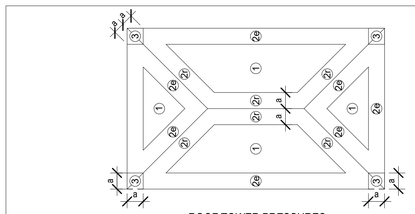
D. COATING TO BE APPLIED ON ALL SIDES OF MEMBERS – TO INCLUDE STEEL TO BE ADJACENT TO CAST-IN-PLACE CONCRETE.

E. COAT STRUCTURAL, ANCHOR BOLTS, WELDS, AND ALL COMPONENTS IN THE AFFECTED AND DEFINED AREA.

F. ALL STEEL AND STEEL COMPONENTS (I.E., BASE PLATES AND ANCHOR BOLTS) EXPOSED TO SOIL SHALL BE COATED FROM THE FOUNDATION (LOWEST LEVEL) UP TO 6-INCHES ABOVE THE SLAB OR FINAL GRADE – WHICHEVER IS GREATER.

LIST OF STRUCTURAL ABBREVIATIONS

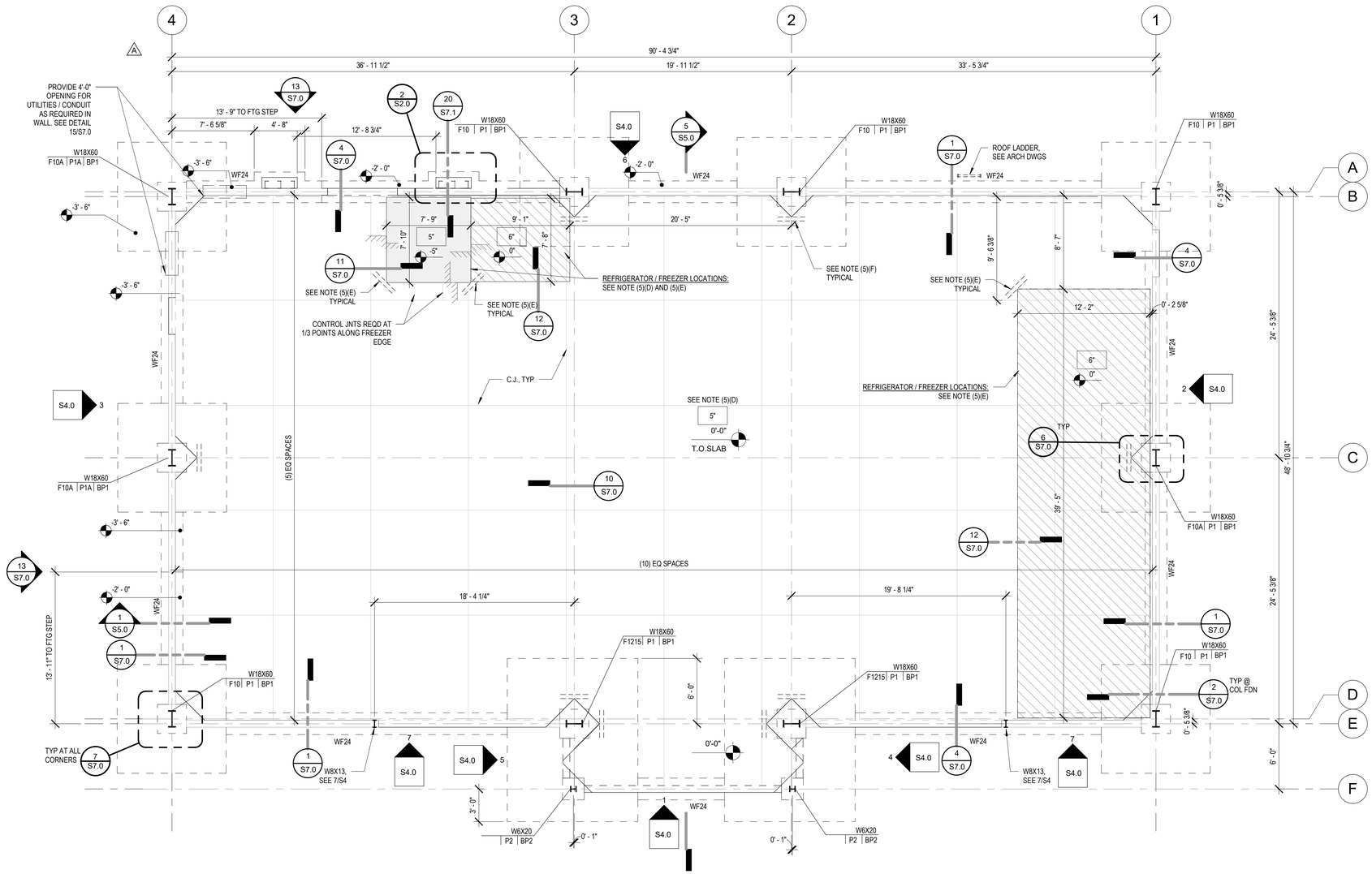
AB	ANCHOR BOLTS	MATL	MATERIAL
ADDL	ADDITIONAL	MAX	MAXIMUM
ALT	ALTERNATE	MB	MASONRY BEAM
ANCH	ANCHOR	MC	MOMENT CONNECTION
APPROX	APPROXIMATE	MC	MASONRY COLUMN
ARCH	ARCHITECT / ARCHITECTURAL	MCJ	MASONRY CONTROL JOINT
BB	BOND BEAM	MECH	MECHANICAL
BLDG	BUILDING	MEZZ	MEZZANINE
BM	BEAM	MFR	MANUFACTURE / MANUFACTURERS
BO	BOTTOM OF	MIN	MINIMUM
BOT / BTM	BOTTOM	MISC	MISCELLANEOUS
BP	BASE PLATE / BEARING PLATE	MTL	METAL
BRG	BEARING	NIC	NOT IN CONTRACT
BTW	BETWEEN	NOM	NOMINAL
CANT	CANTILEVER	NTS	NOT TO SCALE
CB	CONCRETE BEAM	OC	ON CENTER
CC	CONCRETE COLUMN	OPNG	OPENING
CIP	CAST IN PLACE	OPP	OPPOSITE
CJ	CONTROL JOINT	PAF	POWER-ACTUATED FASTENERS
CL	CENTERLINE	PB	PARAPET BEAM (MASONRY)
CLR	CLEAR / CLEARANCE	PCC	PRECAST CONCRETE
COL	COLUMN	PL	PLATE
CONC	CONCRETE	PLF	POUNDS PER LINEAR FOOT
CONNX	CONNECTION	PLY	PLYWOOD
CONSTR	CONSTRUCTION	PRE-ENG	PRE-ENGINEERED
CONT	CONTINUOUS	PEMB	PRE-ENGINEERED METAL BUILDING
CORR	CORRUGATED	PRE-FAB	PRE-FABRICATED
CMU	CONCRETE MASONRY UNIT	PRELIM	PRELIMINARY
DET	DETAIL	PROJ	PROJECTION
DIA/DIAM	DIAMETER	PSF	POUNDS PER SQUARE FOOT
DIM	DIMENSION	PSI	POUNDS PER SQUARE INCH
DIST	DISTANCE	PT	PRESSURE TREATED
DN	DOWN	PT	POST TENSION(ING) (ED)
DR	DRAIN	PW	PANEL WIDTH
DWG	DRAWING	RAD	RADIUS
DWL	DOWEL	RB	ROOF BEAM (MASONRY)
EA	EACH	RCP	REINFORCED CONCRETE PIPE
EE	EACH END	RD	ROOF DRAIN
EF	EACH FACE	REF	REFERENCE
EJ	EXPANSION JOINT	REINF	REINFORCING
EL / ELEV	ELEVATION	REQ'D	REQUIRED
ELECT	ELECTRICAL	REV	REVISION
EMB	EMBEDMENT	RTU	ROOF TOP UNIT
ENGR	ENGINEER	RW	RETAINING WALL
EQ	EQUAL	SECT	SECTION
EQUIP	EQUIPMENT	SCH / SCHED	SCHEDULE
EQUIV	EQUILAVENT	SIM	SIMILAR
ES	EACH SIDE	SP / SPC	SPACE(S)
EXIST	EXISTING	SPECS	SPECIFICATIONS
EXP	EXPANSION	SQ	SQUARE
EXT	EXTERIOR	SS	STAINLESS STEEL
EW	EACH WAY	STD	STANDARD
FAB	FABRICATE	ST / STL	STEEL
FD	FLOOR DRAIN	STRUC	STRUCTURAL
FDN	FOUNDATION	SYM	SYMMETRICAL
FF	FINISHED FLOOR	T&B	TOP AND BOTTOM
FIN	FINISH(ED)	T & G	TONGUE AND GROOVE
FL / FLR	FLOOR	TE	THICKENED EDGE
FTG	FOOTING	THK	THICK
GA	GAGE / GAUGE	THRD	THREAD(ED)
GALV / GV	GALVANIZED	TB	TIE BEAM
GC	GENERAL CONTRACTOR	TOC	TOP OF CONCRETE
HAS	HEADED ANCHOR STUD	TOM	TOP OF MASONRY
HB	HIGH BEAM (MASONRY)	TOS	TOP OF STEEL
HORIZ	HORIZONTAL	TYP	TYPICAL
HSB	HIGH STRENGTH BOLTS	TS	TUBE STEEL
HSS	HOLLOW STEEL SECTION	UNO	UNLESS NOTED OTHERWISE
HT	HEIGHT	UON	UNLESS OTHERWISE NOTED
INT	INTERIOR	VERT	VERTICAL
JST	JOIST	VIF	VERIFY IN FIELD
JT	JOINT	W	WIDE FLANGED
K	KIPS	WB	WALL BEAM (TILT)
KO	KNOCK OUT	WC	WALL COLUMN (TILT)
KSF	KIPS PER SQUARE FOOT	W/	WITH
KSI	KIPS PER SQUARE INCH	W/O	WITHOUT
L	ANGLE	WD	WOOD
LB	LOW BEAM (MASONRY)	WGT	WEIGHT
LBS	POUNDS	WH	WEEPHOLE
LD	DEVELOPMENT LENGTH	WP	WORKING POINT
LDH	LONG DIMENSION HORIZONTAL	WT	STEEL TEE SECTION
LDV	LONG DIMENSION VERTICAL	WWF	WELDED WIRE FABRIC
LGTH	LENGTH	@	EACH AT
LLBB	LONG LEG BACK TO BACK	&	AND
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		



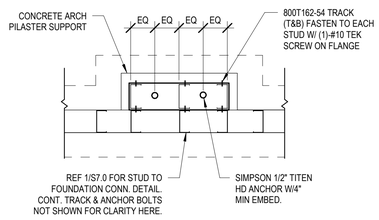
ROOF TOWER PRESSURES

ULTIMATE WIND PRESSURES (ASCE 7-16) FOR COMPONENTS AND CLADDING

EFFECTIVE AREA (SQFT)	ZONE 1		ZONE 2e		ZONE 2r		ZONE 3		ZONE 4 (TOWER WALL)		ZONE 5 (TOWER WALL)	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
10	21 PSF	-38 PSF	21 PSF	-44 PSF	21 PSF	-45



1 FOUNDATION PLAN
S2.0 — 3/16" = 1'-0"



2 PARTIAL FOUNDATION PLAN
S2.0 — 1/2" = 1'-0"

FOUNDATION GENERAL NOTES

1. ELEVATION LEVELS INDICATED ON THE DRAWINGS ARE BASED ON A PROJECT DATUM INDICATED ON THE ARCHITECTURAL DRAWINGS.
2. COORDINATE ALL WALL OPENINGS WITH ARCHITECTURAL PLANS.
3. COORDINATE LOCATIONS OF REFRIGERATOR AND FREEZER PADS WITH ARCH DRAWINGS.
4. FOUNDATION REQUIREMENTS:
   - A. REFERENCE TABLES THIS SHEET FOR GENERAL REQUIREMENTS.
   - B. SEE FOUNDATION DETAILS, PROJECT GENERAL NOTES, AND APPLICABLE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
   - C. STEP FOOTINGS AS REQUIRED FOR PLUMBING OR UTILITIES. REFERENCE DETAILS.
   - D. COORDINATE SLAB EDGES AND OPENINGS WITH ARCHITECTURAL DRAWINGS.
   - E. COORDINATE ALL EXISTING AND NEW UTILITY LINE LOCATIONS WITH SITE AND/OR MECHANICAL DRAWINGS. REPORT ANY AND ALL INTERFERENCES WITH INTENDED FOUNDATION CONFIGURATIONS TO ENGINEER PRIOR TO INSTALLING FOUNDATIONS.
   - F. WATERPROOF BASE PLATES, ANCHOR BOLTS AND COLUMNS WITH ASPHALTIC MASTIC FROM BELOW FINISHED FLOOR ELEVATION TO 1" ABOVE FINISHED FLOOR ELEVATION.
5. CONCRETE SLAB ON GRADE REQUIREMENTS:
   - A. COORDINATE CURING COMPOUNDS AND SEALERS ARE NOT PERMITTED FOR THE BUILDING SLAB.
   - B. PLACEMENT OF CONCRETE SLAB ON GRADE TO MEET THE FOLLOWING CRITERIA : LEVEL WITHIN 1 % FLAT WITHIN 1/4" AS MEASURED IN 10'-0".
   - C. ALL CONTROL JOINTS MUST BE STRAIGHT WITHIN +/- 1/4" PER 50'-0", AND PARALLEL TO THE BUILDING WALLS AND PARALLEL / PERPENDICULAR TO EACH OTHER. SLAB CONTROL JOINTS EQUALLY SPACED AS SHOWN ON PLAN. MAXIMUM SPACING NO GREATER THAN 10'-0" AND LENGTH TO WIDTH ASPECT RATIO NO GREATER THAN 1.5.
   - D. SEE SPECS FOR CONCRETE SLAB ON GRADE REINFORCEMENT REQUIREMENTS OVER 10 MIL VAPOR BARRIER.
   - E. INSTALL (2) #4x4'-0" LONG DIAGONAL REBAR, AT SLAB CORNERS.
   - F. INSTALL (2) #4x2'-0" LONG REBAR AT DISCONTINUOUS CONTROL JOINT LOCATION
6. STEEL FRAMING REQUIREMENTS:
   - A. COAT ALL STEEL EXPOSED TO EARTH / SOILS WITH TWO COATS OF ASPHALTIC COATING -
     - a. ASPHALTIC BASED CORROSION RESISTANCE COATING SHALL BE MADE WITH AN ASPHALT-BASE EMULSION COATING SYSTEM PER ASTM D 1187.
     - b. APPLY A MINIMUM 1/16" THICK COATING IN TWO APPLICATIONS.
     - c. COATING TO BE APPLIED ON ALL SIDES OF MEMBERS – TO INCLUDE STEEL TO BE ADJACENT TO CAST-IN-PLACE CONCRETE.
     - d. COAT STRUCTURAL ANCHOR BOLTS, WELDS, AND ALL COMPONENTS IN THE AFFECTED AND DEFINED AREA.
     - e. ALL STEEL AND STEEL COMPONENTS (I.E., BASE PLATES AND ANCHOR BOLTS) EXPOSED TOP SOIL SHALL BE COATED FROM THE FOUNDATION (LOWEST LEVEL) UP TO 6" ABOVE THE SLAB OR FINAL GRADE – WHICHEVER IS GREATER.
   - B. REFER TO SPECIFICATIONS AND DETAILS FOR SPECIFIC REQUIREMENTS.
7. COLD-FORMED FRAMING
   - A. SEE TYPICAL DETAILS AND SECTIONS FOR ADDITIONAL REQUIREMENTS.

DRAWING SYMBOLS

- # — STEP IN SLAB. NUMBER (IF GIVEN) IS STEP HEIGHT
- 8" CMU SHELF
- SLAB REINFORCEMENT, SEE NOTE 5 OF THIS SHEET
- X" — CONCRETE SLAB-ON-GRADE THICKNESS
- COLUMN SIZE: W #x## / F## | P## | BP##
- FOOTING MARK / PEDESTAL MARK
- BASE PLATE (SEE SCHEDULE & SHEET S7.1)
- COLUMN / FOOTING / PEDESTAL / BASE PLATE TAG

FOUNDATION SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	TOP REINF.	BOTTOM REINF.	ELEV. AT BOTTOM
F10	10' - 0"	10' - 0"	2' - 0"	(10) #8 E.W. W/ACI STANDARD HOOKS AT ENDS	(10) #8 E.W. W/ACI STANDARD HOOKS AT ENDS	-4' - 0"
F10A	10' - 0"	10' - 0"	2' - 0"	(10) #8 E.W. W/ACI STANDARD HOOKS AT ENDS	(10) #8 E.W. W/ACI STANDARD HOOKS AT ENDS	-5' - 6"
F1215	15' - 0"	12' - 0"	2' - 0"	(12) #5 IN S.W.-T&B W. W/ACI STANDARD HOOKS AT ENDS (15) #5 IN L.W.-T&B W. W/ACI STANDARD HOOKS AT ENDS	(12) #5 IN S.W.-T&B W. W/ACI STANDARD HOOKS AT ENDS (15) #5 IN L.W.-T&B W. W/ACI STANDARD HOOKS AT ENDS	-4' - 0"
WF24	<varies>	2' - 0"	1' - 6"	(3) #5	<varies>	<varies>

CONCRETE PEDESTAL SCHEDULE

MARK	SIZE	DEPTH	VERTICAL REINFORCEMENT	TIES
P1	32" X 32"	1' - 4"	(12) #6 REBAR	#3 @ 6" O.C.
P1A	32" X 32"	2' - 10"	(12) #7 REBAR	#3 @ 6" O.C.
P2	24" X 24"	1' - 4"	(12) #6 REBAR	#3 @ 6" O.C.

NOTES:
1. SEE SHEET S7.0 FOR PEDESTAL DETAILS.
2. TOP OF FOOTING -2'-0" TYPICAL UNLESS NOTED OTHERWISE.
3. TOP OF PEDESTAL -0'-8" TYPICAL UNLESS NOTED OTHERWISE.
4. ALL PIERS SHALL HAVE (3) TIES SPACED 3" FROM TOP OF PEDESTAL. SEE DETAIL SHEET S7.

BASE PLATE SCHEDULE

MARK	PLATE LENGTH x WIDTH	THICK.	OFFSET	EDGE DISTANCE	ANCHORAGE	ANCHOR EMBEDMENT
BP1	25" x 14"	1 1/2"		2"	(6) 1" DIA. F1554 GR. 55	12"
BP2	12" x 6.5"	1"		1.5"	(4) 3/4" DIA. F1554 GR. 55	12"

NOTES:
1. SEE 11/S7.1 AND 12/S7.1 FOR ADDITIONAL BASE PLATE DETAILS.
2. SEE 14/S7.0 FOR ADDITIONAL ANCHOR ROD DETAILS.

AECOM
AECOM Services of PA, Inc.
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
FOUNDATION PLAN

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60699812.8495
DRAWN	SK
CHECKED	MY

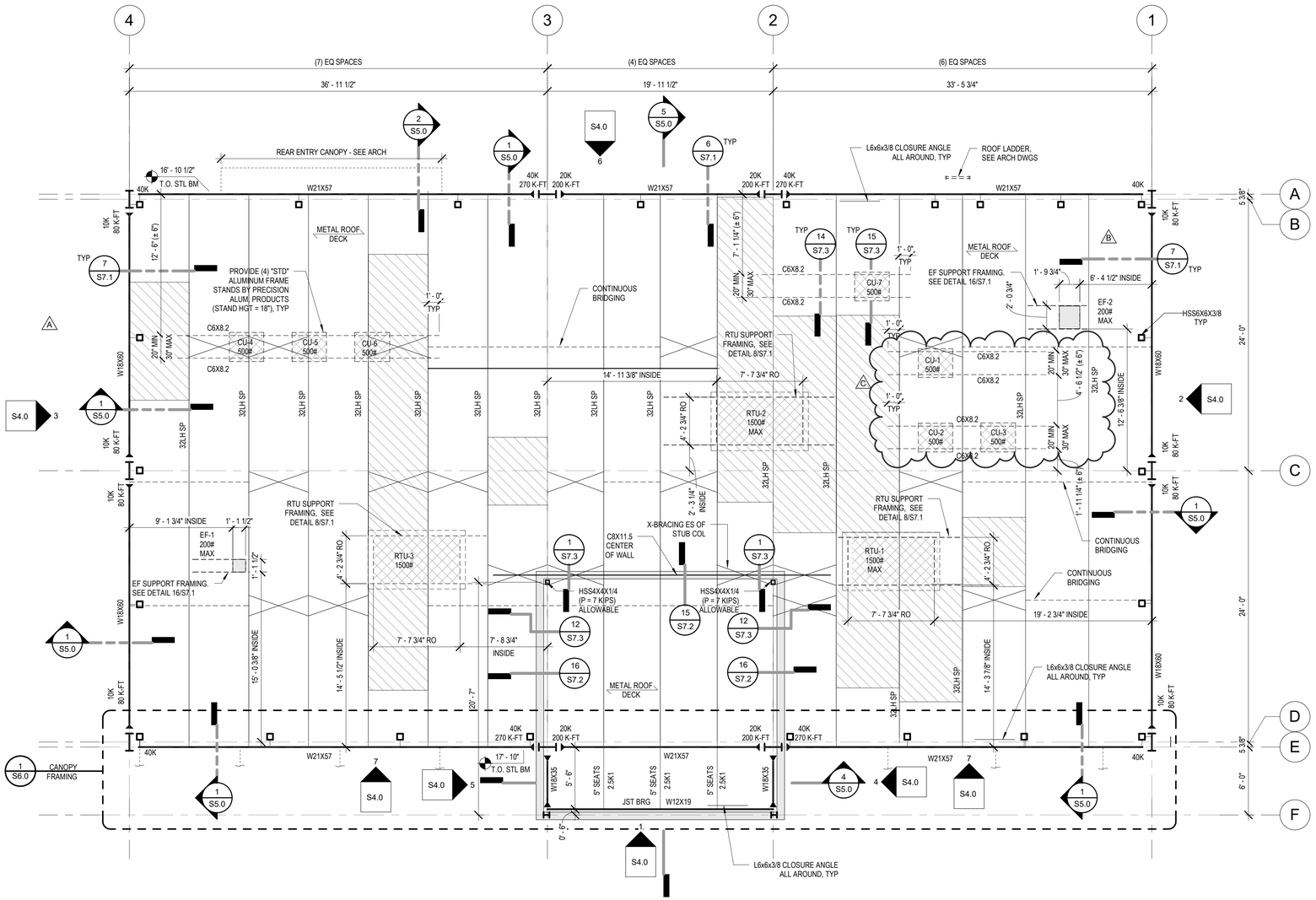
8216
UPPER SOUTHAMPTON, PA
Wawa
S2.0

DRAWING SYMBOLS

- SPAN DIRECTION OF SHEATHING/DECK
- NEW REFRIGERATION AND MECHANICAL ROOF TOP UNIT
- MECHANICAL DUCTWORK LOCATION

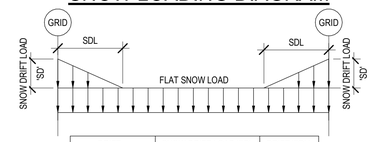
GENERAL NOTES

1. ELEVATION LEVELS INDICATED ON THE DRAWINGS ARE BASED ON A PROJECT DATUM INDICATED ON THE ARCHITECTURAL DRAWINGS.
2. COORDINATE MEMBER BEARING ELEVATIONS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS.
3. COORDINATE FINAL LOCATION OF ALL ROOF PENETRATIONS WITH MECHANICAL AND ARCHITECTURAL ROOF PLANS. NOTIFY ENGINEER IF ANY ADDITIONAL EQUIPMENT OVER 100-LBS OR OPENINGS OVER 2-FT X 2-FT ARE REQUIRED.
4. COORDINATE ROOF DRAINAGE PENETRATIONS AND OVER-FLOW SCUPPER WALL PENETRATIONS WITH ARCHITECTURE.
5. OPEN WEB JOIST REQUIREMENTS:
   A. SPACE JOIST AS SHOWN IN PLANS.
   B. VERIFY FINAL ROOFTOP EQUIPMENT LOCATIONS AND WEIGHTS TO INCLUDE TENANT IMPROVEMENTS (NOT ILLUSTRATED ON DRAWINGS).
   C. VERIFY EQUIPMENT WEIGHTS AND OPENING REQUIREMENTS PRIOR TO STEEL SHOP DRAWINGS BEING COMPLETED.
   D. UPLIFT - CALCULATE LOADS PER ASCE 7-16 USING THE REQUIRED DESIGN INFORMATION GIVEN.
   E. JOIST DESIGNER NOTE - DESIGN ALL ROOF JOISTS FOR A MINIMUM UNFACTORED ADDITIONAL POINT LOAD (DEAD LOAD) OF 200 LB. APPLIED AT ANY TOP OR BOTTOM CHORD PANEL POINT. JOIST WITH THE DESIGNATION "SP" (E.G. 28K SP OR 28LH SP) REQUIRES JOIST MANUFACTURER TO DESIGN SUPPORT LOADS SHOWN ON THIS SHEET AND LOADING CRITERIA ON S1.0- GENERAL NOTES.
   F. ALL JOIST DESIGN LOADING, NOT SHOWN ON THIS SHEET, IS SUMMARIZED ON SHEET S1.0 - GENERAL NOTES.
   G. JOIST MANUFACTURER TO DESIGN AND PROVIDE REQUIRED BRIDGING AND BRACING. COORDINATE WITH MECHANICAL PLANS FOR REQUIRED DUCT RUNS.
   H. SHOP DRAWINGS REQUIRED .
   I. DEFLECTION LIMITS:
      a. TOTAL LOAD: L/240
      b. LIVE LOAD: L/360
   J. USE L6x6x3/8 CLOSURE ANGLE WHERE SHOWN IN STEEL FRAMING AND COLD-FORMED FRAMING DETAILS
   K. DECK CLOSURE ANGLE SHOULD BE CONTINUOUS ALONG THE LENGTH OF THE BUILDING
   L. JOIST MANUFACTURER TO PROVIDE 5" DEEP SEAT FROM GRIDLINE E TO F.
6. METAL ROOF DECK:
   A. USE 1.5B20 METAL DECK (HAVE A MINIMUM OF 3 SPANS).
   B. FASTEN AS FOLLOWS:
      a. FASTEN T0 JOIST USING 5/8" ARC SPOT WELDS OR EQUIVALENT WITH A 36/7 FASTENER LAYOUT OR HILTI PINS W/SAME FASTENER LAYOUT (USE HILTI X-ENP-19 FOR DECK CONNECTION TO STEEL BEAM, USE HILTI X-HSN24 PINS FOR DECK CONNECTION TO STEEL JOIST, TYP).
      b. SIDELAP CONNECTION W/ (8) #10 SCREWS.
   C. REFER TO SPECIFICATIONS AND DETAILS 6/S7.2 AND 7/S7.2 FOR ADDITIONAL REQUIREMENTS.
7. PLYWOOD ROOF SHEATHING:
   A. ALL SHEATHING SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION (APA) DESIGN SPECS, LATEST EDITION. SHEATHING SHALL BE CONTINUOUS OVER THREE ADJACENT SPANS MINIMUM.
   B. NOMINAL THICKNESS: 19/32" (5/8" NOMINAL)
   C. SPAN RATING: 40/20.
   D. PLYWOOD SHEATHING FASTENED TO LIGHT GAUGE METAL USING #10 SCREWS (FLATHEAD). SPACE FASTENERS @ 4" OC EDGE SPACING AND 6" OC FIELD SPACING.
8. PLYWOOD WALL SHEATHING:
   A. ALL SHEATHING SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION (APA) DESIGN SPECS, LATEST EDITION. SHEATHING SHALL BE CONTINUOUS OVER THREE ADJACENT SPANS MINIMUM.
   B. PANEL GRADE AND PERFORMANCE CATEGORY: STRUCTURAL 1: 15/32" (1/2" NOMINAL)
   C. SPAN RATING: 32/16.
   D. PLYWOOD SHEATHING FASTENED TO LIGHT GAUGE METAL USING #10 SCREWS (FLATHEAD). SPACE FASTENERS @ 4" OC EDGE SPACING AND 6" OC FIELD SPACING.
9. PLYWOOD PARAPET SHEATHING:
   A. ALL SHEATHING SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION (APA) DESIGN SPECS, LATEST EDITION. SHEATHING SHALL BE CONTINUOUS OVER THREE ADJACENT SPANS MINIMUM.
   B. PANEL GRADE AND PERFORMANCE CATEGORY: STRUCTURAL 1: 19/32" (5/8" NOMINAL)
   C. SPAN RATING: 40/20.
10. EQUIPMENT STEEL FABRICATION:
   A. ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR WITH EQUIPMENT SUPPLIER PRIOR TO FABRICATION OF STEEL. DIMENSIONS PROVIDED ARE BASED ON COOK GRAVITY VENTS AND LENNOX RTU'S



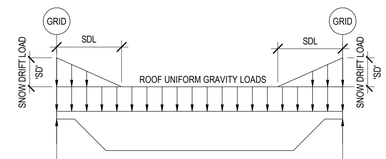
2 S3.0 ROOF FRAMING PLAN
3/16" = 1'-0"

SNOW LOADING DIAGRAM

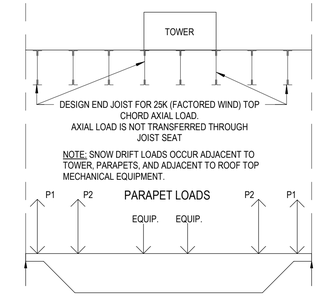


DRIFT	SNOW DRIFT LOAD 'SD'	DRIFT 'SDL'
SHORT DIRECTION	30.10 PSF	7'-0"
LONG DIRECTION	41.30 PSF	9'-7"

JOIST LOADING DIAGRAM



EQUIVALENT LOADING AS ABOVE FOR PERPENDICULAR TO JOIST DIRECTION



DESIGN END JOIST FOR 25K (FACTORED WIND) TOP CHORD AXIAL LOAD.
AXIAL LOAD IS NOT TRANSFERRED THROUGH JOIST SEAT

NOTE: SNOW DRIFT LOADS OCCUR ADJACENT TO TOWER, PARAPETS, AND ADJACENT TO ROOF TOP MECHANICAL EQUIPMENT.

P1: DL = 180 PLF SL = SEE DIAG. + 150 PLF WL = 630 PLF +/- (ULT)

P2: DL = 30 PLF SL = SEE DIAG. + 150 PLF WL = 630 PLF +/- (ULT)

EQUIP.: REF. WORST CASE JOIST REACTION TABLE FOR LOADING

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http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ROOF FRAMING PLAN

PROTOTYPE	
U45FB M v2025.Q1	
PROJECT NO.	
60699812.8495	
DRAWN	SK
CHECKED	MY

8216
UPPER SOUTHAMPTON, PA

Wawa

S3.0

1 S3.1 HIGH ROOF FRAMING PLAN
3/16" = 1'-0"

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PROJECT NAME
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WAWA STORE #8216
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UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
HIGH ROOF FRAMING PLAN

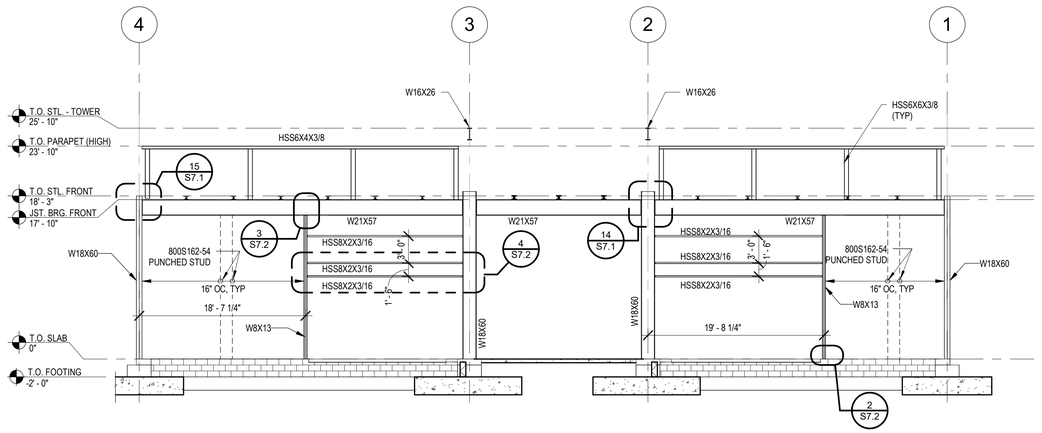
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REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60659612.9495
DRAWN	SK
CHECKED	MY

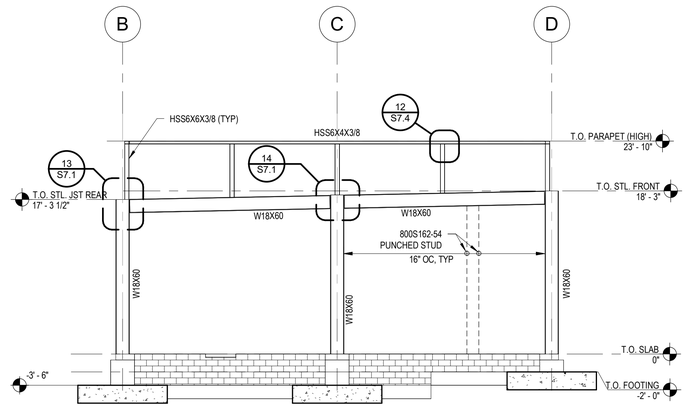
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UPPER SOUTHAMPTON, PA

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S3.1



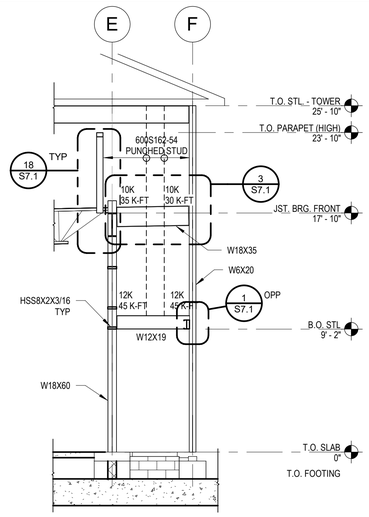
7 S4.0 GRIDLINE 'E'
1/8" = 1'-0"



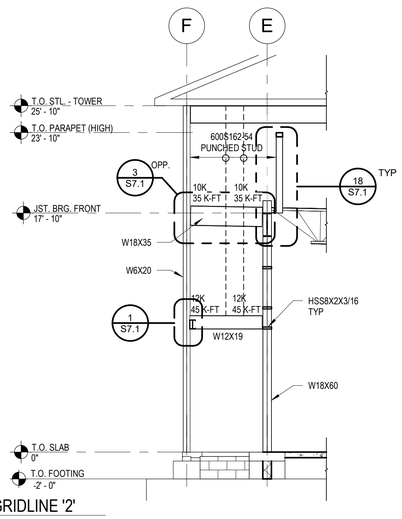
3 S4.0 GRIDLINE '4'
1/8" = 1'-0"

6 S4.0 GRIDLINE 'A'
1/8" = 1'-0"

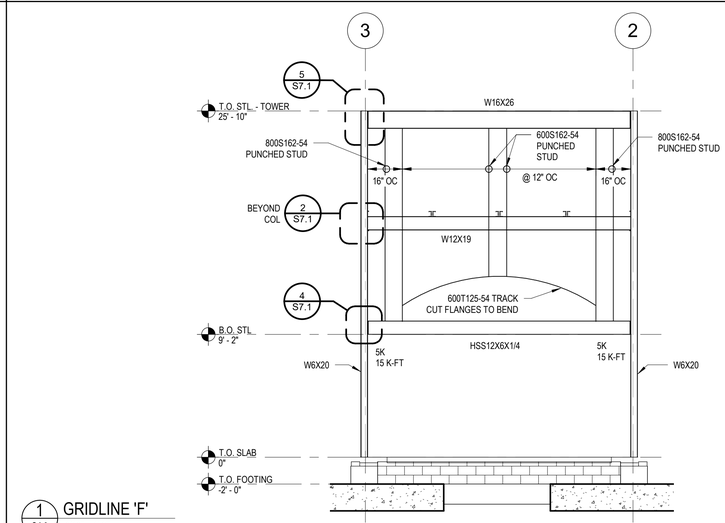
2 S4.0 GRIDLINE '1'
1/8" = 1'-0"



5 S4.0 GRIDLINE '3'
3/16" = 1'-0"



4 S4.0 GRIDLINE '2'
3/16" = 1'-0"



1 S4.0 GRIDLINE 'F'
3/16" = 1'-0"

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PROTOTYPE: U45FB M v2025.Q1
PROJECT NO.: 60695612.9495
DRAWN: SK
CHECKED: MY

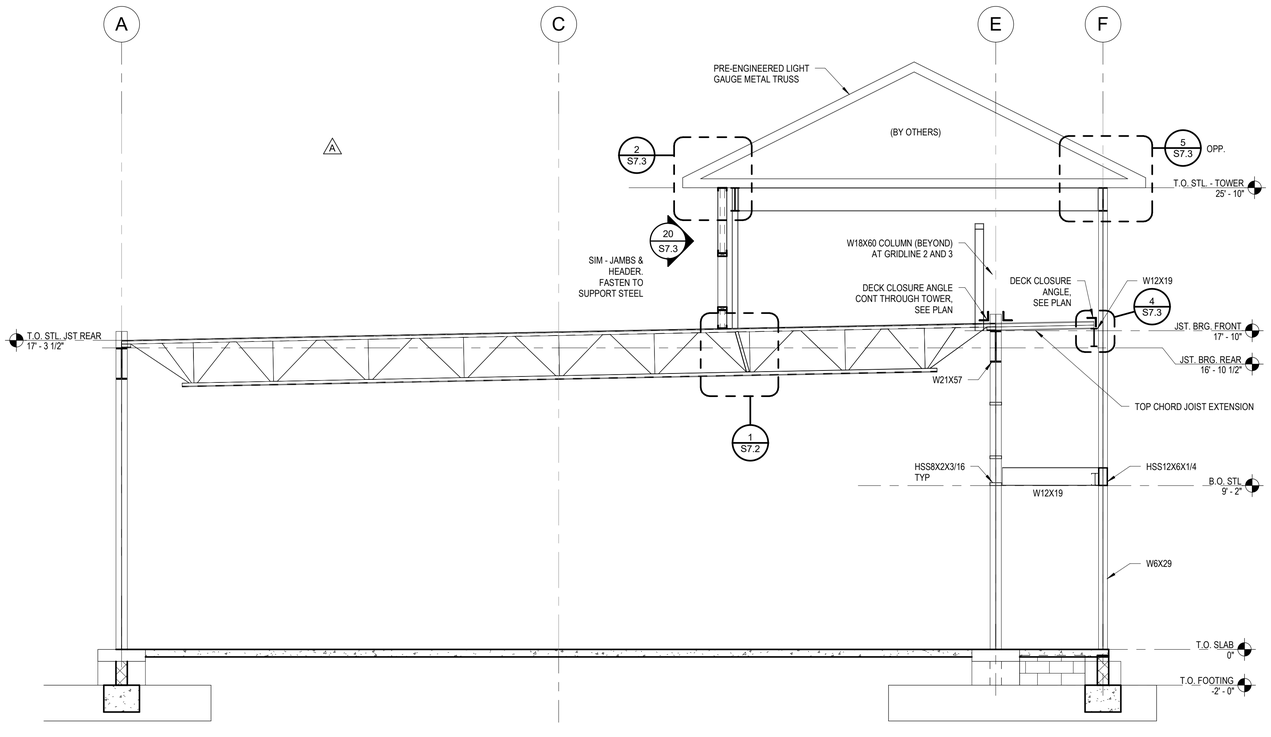
PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
FRAMING ELEVATIONS

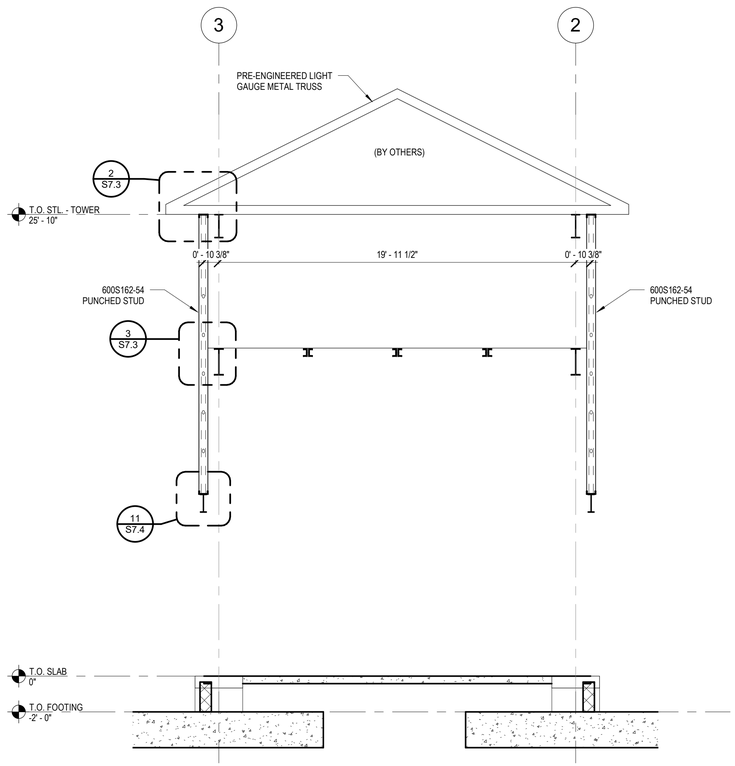
8216
UPPER SOUTHAMPTON, PA

Wawa

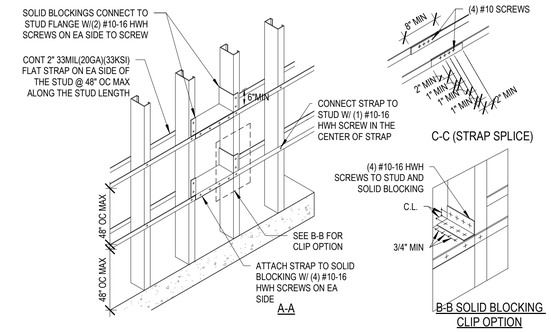
S4.0



5 BUILDING SECTION
S5.0 1/4" = 1'-0"



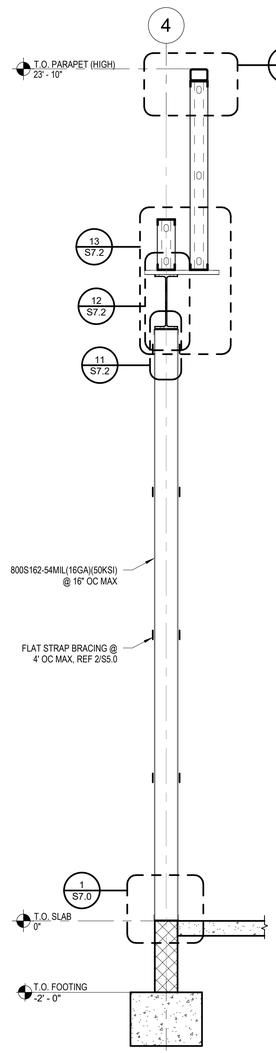
4 SECTION THRU TOWER
S5.0 1/4" = 1'-0"



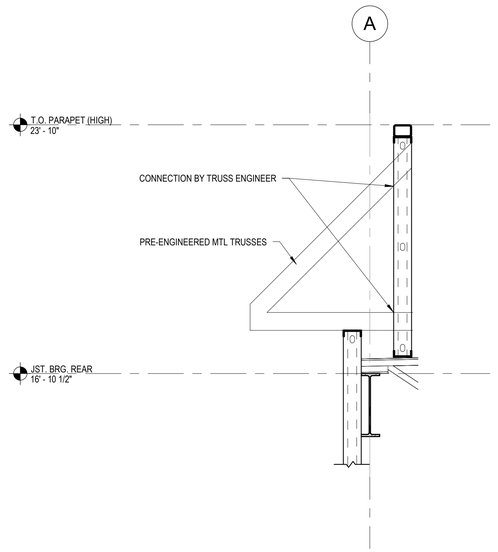
FRAMING NOTES:
1. FASTEN SHEATHING TO COLD FORMED STEEL FRAMING, FLAT STRAP BRACING OR SOLID BLOCKING PER STRUCTURAL DWGS.
2. ALL PANEL EDGES SHOULD BE SUPPORTED BY FRAMING, FLAT STRAP BRACING OR SOLID BLOCKING.
3. SCREWS SHALL PENETRATE ALL FRAMING COMPONENTS.
4. SCREWS SHALL HAVE A MIN OF THREE EXPOSED THREADS EXTENDING THROUGH THE STEEL BEYOND ALL FRAMING COMPONENTS CONNECTED.
5. PROVIDE 1/2" MIN EDGE DIST FOR #10 SELF DRILLING SCREWS OR NAILS INTO STRAP.
6. PROVIDE 3/8" MIN EDGE DIST FOR #10 SELF DRILLING SCREWS OR NAILS INTO PLYWOOD.
7. PROVIDE 1/2" MIN EDGE DIST & 3/4" MIN SPACING FOR #10 & #12 DRILLING SCREWS FOR TYP FRAMING.

SOLID BLOCKING INSTALLATION NOTES:
1. SOLID BLOCKING SHOULD BE PLACED @ 8'-0" OC MAX, AT EA, END OF WALLS AND ADJACENT TO OPENINGS.
2. SOLID BLOCKING (TRACK OPTION ATTACHMENT) SHOULD BE MADE OF THE SAME WIDTH OF THE WALL STUD AND 18GA(43MIL)(33KSI) MIN. TRACK SHOULD BE NOTCHED AND FLANGES BENT 90°.
3. SOLID BLOCKING (CLIP OPTION ATTACHMENT) USE A 3x3x-54MIL (16GA)(50KSI). THE LENGTH OF CLIP ANGLE SHOULD BE 1/4" LESS THAN THE STUD WIDTH.

3 LATERAL BRACING DETAIL
S5.0 1/2" = 1'-0"



1 WALL SECTION
S5.0 1/2" = 1'-0"



2 SECTION AT REAR ENTRY
S5.0 1/2" = 1'-0"

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25 SECOND STREET PIKE
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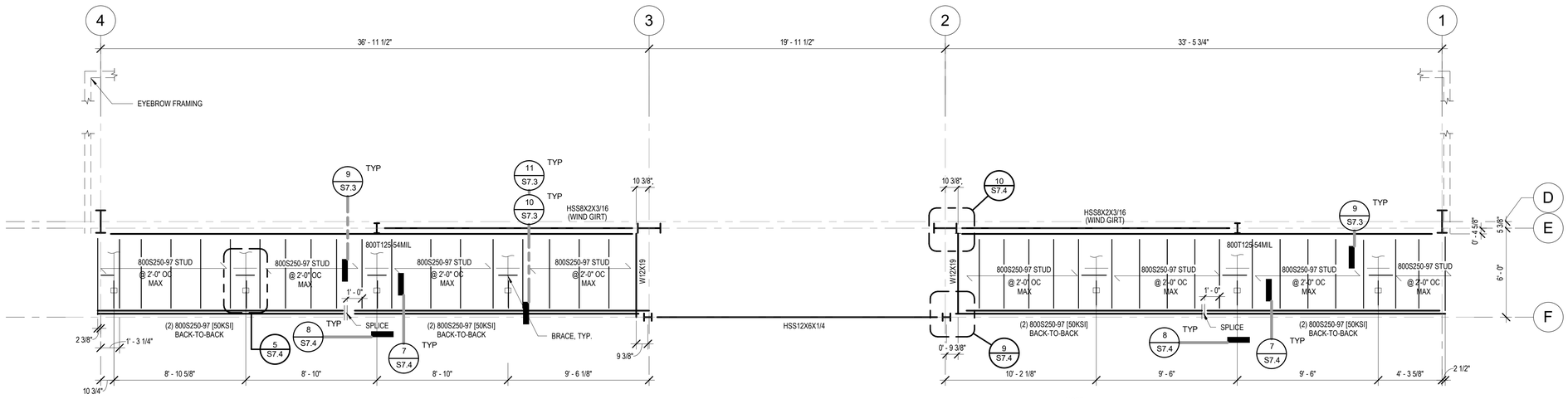
SHEET TITLE
BUILDING SECTIONS

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PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60698612.8495
DRAWN	SK
CHECKED	MY

8216
UPPER SOUTHAMPTON, PA
Wawa

S5.0



1 S6.0 OVERHANG FRAMING PLAN

1/4" = 1'-0"

NOTE:
FASTEN BACK-TO-BACK BEAMS TOGETHER USING
(2) ROWS #10 @ 12" OC SPACED 1 1/2" FROM
ENDS & FLANGES

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WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ENLARGED PLANS

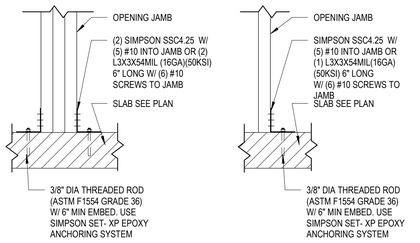
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PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60659812.8495
DRAWN	SK
CHECKED	MY

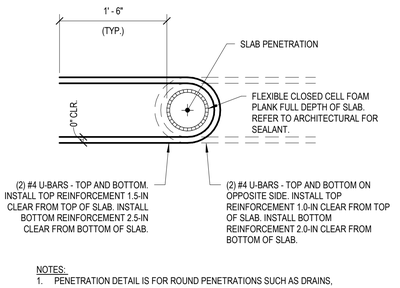
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UPPER SOUTHAMPTON, PA

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S6.0

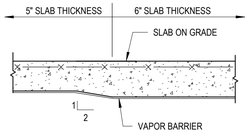


21 S7.0 JAMB TO FOUND. CONNECTIONS
1" = 1'-0"

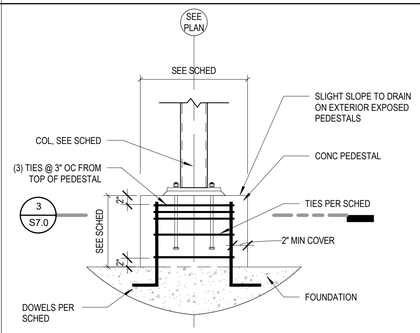


NOTES:
1. PENETRATION DETAIL IS FOR ROUND PENETRATIONS SUCH AS DRAINS, CLEANOUTS, PIPING, GUARD POST, CONDUIT, ETC.
2. DETAIL IS FOR PENETRATIONS UNDER 8-IN DIAMETER.

16 S7.0 SLAB PENETRATION DETAIL - ROUND
1" = 1'-0"

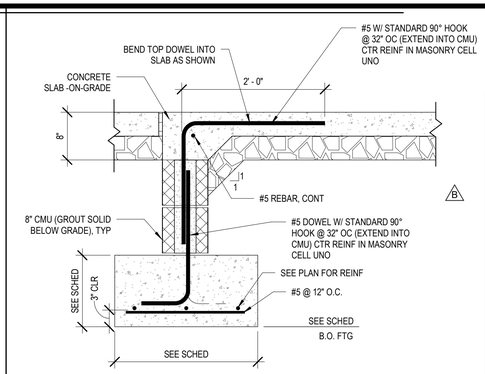


12 S7.0 SLAB TRANSITION
1" = 1'-0"

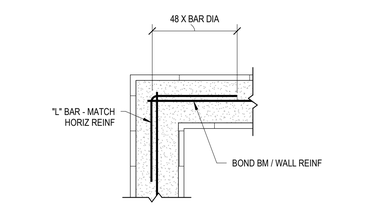


NOTE: CHAMFER EXTERIOR EXPOSED EDGES 3/4"

8 S7.0 TYPICAL PEDESTAL
3/4" = 1'-0"

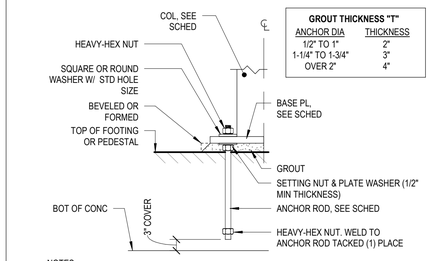


4 S7.0 SLAB EDGE STOREFRONT AND DOORWAYS
1" = 1'-0"



NOTES:
1. CONTINUITY REINFORCEMENT REQUIRED AT BOND BEAMS TO INCLUDE TOP OF PARAPET REINFORCEMENT.
2. CONTINUE CONTINUITY REINFORCEMENT ACROSS CONTROL JOINTS.
3. MULTIPLE BARS IN BLOCK COURSE WILL REQUIRE "L" BARS FOR EA HORIZONTAL BAR.

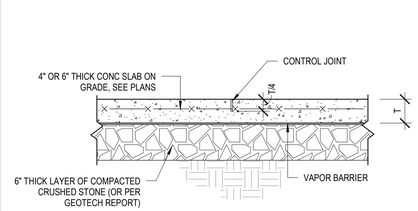
18 S7.0 TYP CONTINUITY CORNER
3/4" = 1'-0"



GROUT THICKNESS "T"	
ANCHOR DIA	THICKNESS
1/2" TO 1"	2"
1-1/4" TO 1-3/4"	3"
OVER 2"	4"

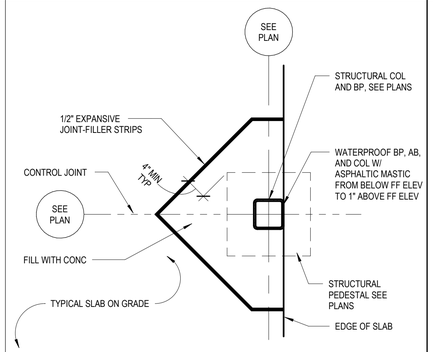
NOTES:
1. HEADED ANCHOR RODS MAY BE USED IN LIEU OF NUTTED ANCHORS AND ARE REQUIRED FOR FOOTINGS WITH LESS THAN 18" CONCRETE THICKNESS.
2. FOR WASHER SIZE REFERENCE AISC STEEL CONSTRUCTION MANUAL, 15TH EDITION TABLE 14-2, "RECOMMENDED MAXIMUM SIZES FOR ANCHOR-ROD HOLES IN BASE PLATES".
3. SHIMS MAY BE USED IN LIEU OF SETTING NUT AND PLATE WASHERS.

14 S7.0 ANCHOR BOLT AND GROUT PLACEMENT DETAIL
1 1/2" = 1'-0"

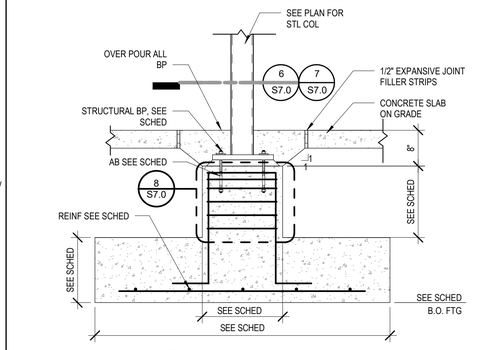


NOTE:
1. CONTROL JOINT SHALL BE A MIN. OF 1/4" WIDE AND ONE FOURTH THE SLAB DEPTH.
2. JOINTS SHOULD BE SAWED AS SOON AS THE CONC IS HARD ENOUGH THAT THE SAWING DOES NOT RAVEL JOINT EDGES OR DISLODGE COARSE AGGREGATE PARTICLES.
3. CURE SLAB PER SPECIFICATION REQUIREMENTS.
4. SEE FOUNDATION GENERAL NOTE 5 FOR ADDITIONAL INFORMATION.

10 S7.0 TYP SLAB / CONTROL JOINT DETAIL
1" = 1'-0"

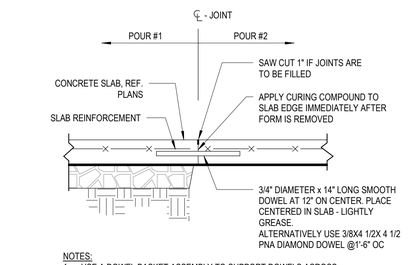


6 S7.0 ISOLATION JOINT AT WALL
1" = 1'-0"



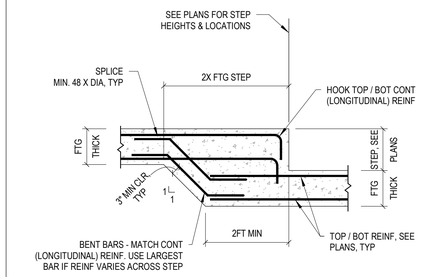
NOTE: ALL STL ENCASED IN CONC TO HAVE ASPHALTIC COATING APPLIED PER SPECIFICATIONS

2 S7.0 TYPICAL COLUMN FTG
3/4" = 1'-0"

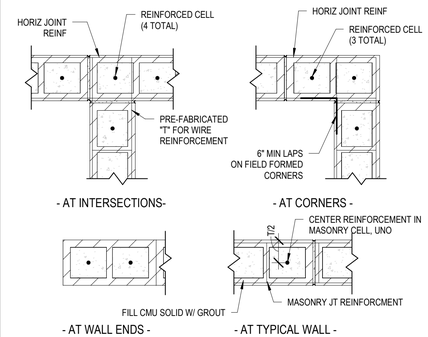


NOTES:
1. USE A DOWEL BASKET ASSEMBLY TO SUPPORT DOWELS ACROSS JOINT.
2. CONSTRUCTION JOINTS SHALL BE LOCATED AT CONTROL JOINT LOCATIONS AND NO CLOSER THAN 5-FT FROM ANY OTHER JOINT WHICH RUNS PARALLEL.

17 S7.0 SLAB CONSTRUCTION JOINT
1" = 1'-0"

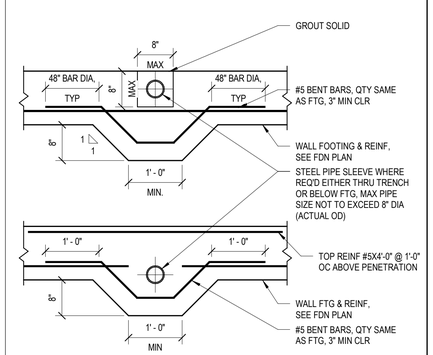


13 S7.0 TYPICAL STEPPED FOOTING DETAIL
1/2" = 1'-0"

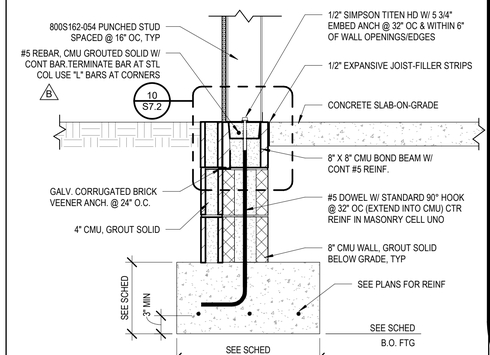


NOTE: SEE TYP. WALL SECTIONS FOR REINFORCING SIZE AND SPACING REQUIREMENTS.

9 S7.0 TYPICAL CMU DETAILS
1" = 1'-0"



5 S7.0 PIPE PENETRATION THROUGH FOOTING
3/4" = 1'-0"



1 S7.0 TYPICAL WALL AND FOOTING SECTION
1" = 1'-0"

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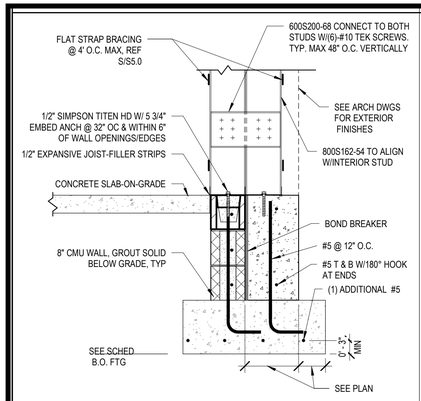
PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
FOUNDATION DETAILS

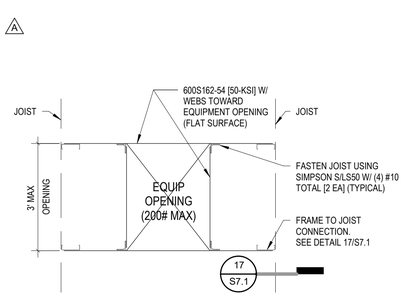
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REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	
U45FB M v2025.Q1	
PROJECT NO.	60699212.8495
DRAWN	SK
CHECKED	MY

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UPPER SOUTHAMPTON, PA
Wawa
S7.0

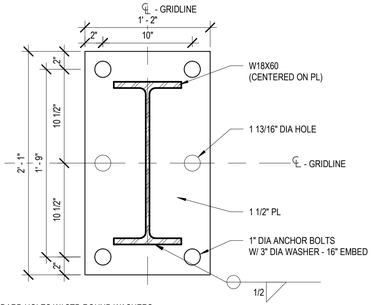


20 S7.1 WALL AND FTG SECTION AT VESTIBULE
3/4" = 1'-0"



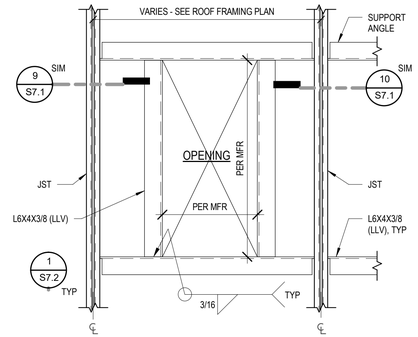
NOTE:
1. FOR OPENING UNDER 2'-0" REFER TO DETAILS 8/S7.2 AND 9/S7.2.

16 S7.1 EQUIPMENT FAN SUPPORT FRAMING PLAN1
1/2" = 1'-0"

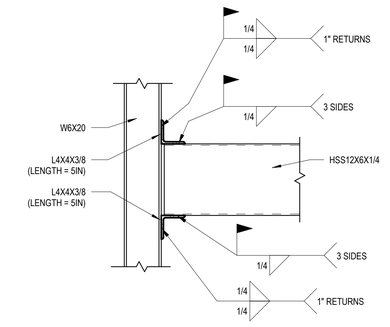


NOTES:
1. USE STANDARD HOLES W/ STD ROUND WASHERS.
2. REFERENCE AISC STEEL CONSTRUCTION MANUAL, 15TH EDITION TABLE 14-2, "RECOMMENDED MAXIMUM SIZES FOR ANCHOR-ROD HOLES IN BASE PLATES".
3. COLUMNS ARE CENTERED UNLESS NOTED OTHERWISE IN SCHEDULE.
4. OFFSET DIMENSIONS ARE REFERENCED BASED ON COLUMN CENTER WITH RESPECT TO THE MEMBER ORIENTATION AS SHOWN IN THIS DETAIL.
5. EDGE DISTANCE = REFER TO BASE PLATE SCHEDULE

12 S7.1 W18X60 BASE PLATE (BP1)
1 1/2" = 1'-0"

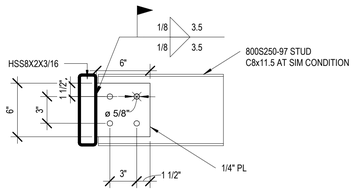


8 S7.1 JOIST MECHANICAL UNIT SUPPORT
3/4" = 1'-0"

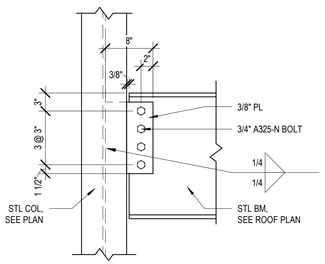


NOTE: FABRICATOR TO SUPPLY ERECTION SUPPORT

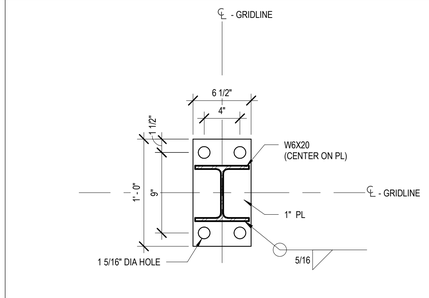
4 S7.1 HSS12 BEAM TO W6 COLUMN CONN.
1" = 1'-0"



19 S7.1 SHEAR TAB CANOPY CONNECTION
1 1/2" = 1'-0"

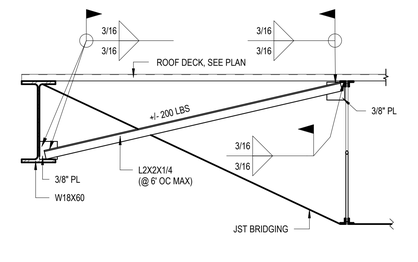


15 S7.1 W21 BEAM TO W18 COLUMN CONNECTION
1" = 1'-0"

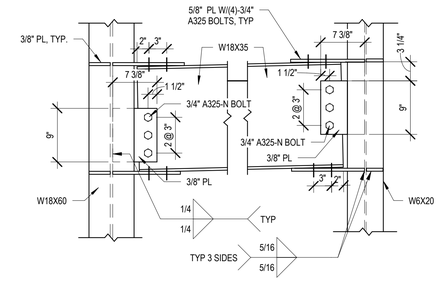


NOTES:
1. USE 3/4" DIA ANCHOR BOLT W/ 16" EMBED

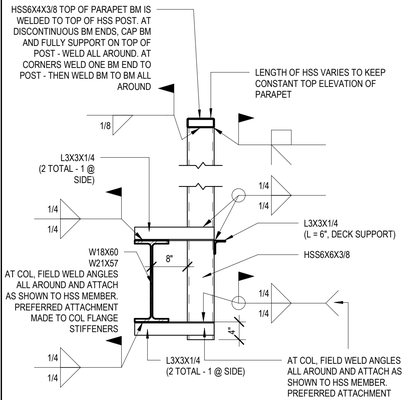
11 S7.1 W6 BASE PLATE (BP2)
1 1/2" = 1'-0"



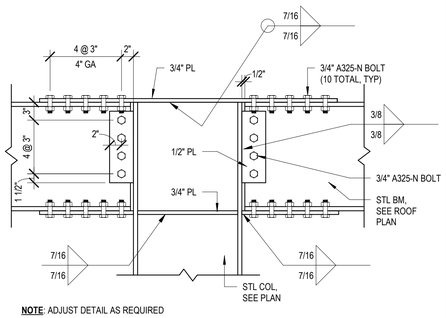
7 S7.1 W18 ROOF CONNECTION
3/4" = 1'-0"



3 S7.1 W18 BEAM TO W18 COLUMN CONNECTION
1" = 1'-0"

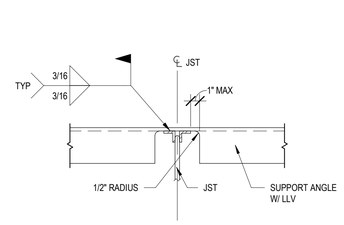


18 S7.1 PARAPET FRAMING
3/4" = 1'-0"

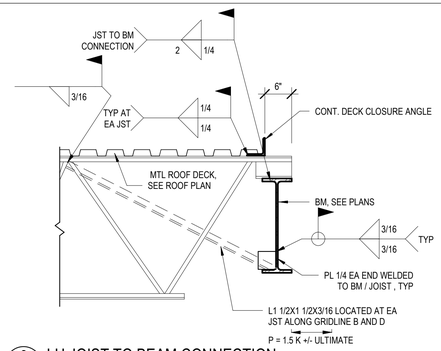


NOTE: ADJUST DETAIL AS REQUIRED

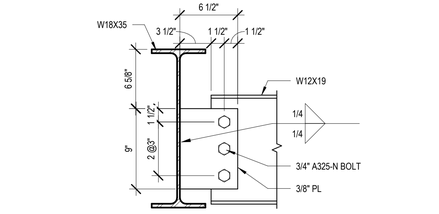
14 S7.1 MOMENT CONNECTION AT FRAME INTERIOR - TYPICAL
1" = 1'-0"



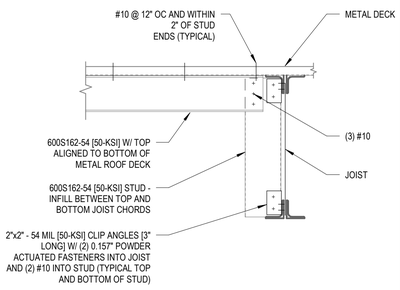
10 S7.1 MECHANICAL SUPPORT ANGLE MID-SPAN CONNECTION-TYPICAL
1 1/2" = 1'-0"



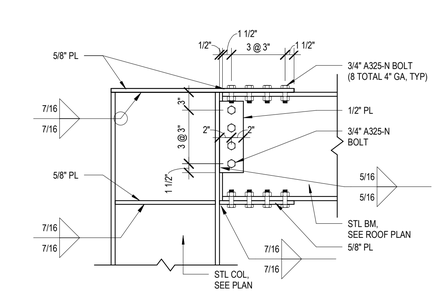
6 S7.1 LH JOIST TO BEAM CONNECTION
3/4" = 1'-0"



2 S7.1 W12 BEAM TO W18 BEAM CONNECTION
1 1/2" = 1'-0"

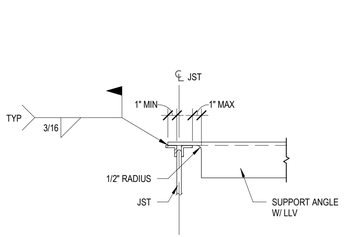


17 S7.1 EQUIPMENT FAN SUPPORT JOIST CONNECT
1" = 1'-0"

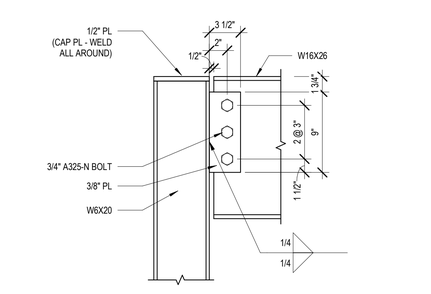


NOTE: ADJUST DETAIL AS REQUIRED

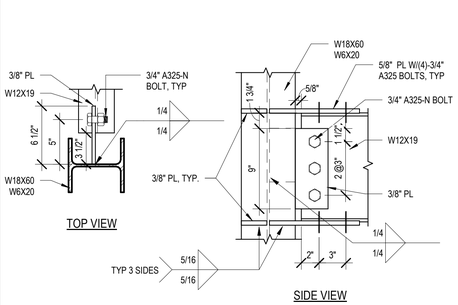
13 S7.1 MOMENT CONNECTION AT FRAME ENDS - TYPICAL
1" = 1'-0"



9 S7.1 MECHANICAL SUPPORT ANGLE EDGE CONNECTION - TYPICAL
1 1/2" = 1'-0"



5 S7.1 W16 BEAM TO W6 COLUMN CONNECTION
1 1/2" = 1'-0"



1 S7.1 W12 BEAM TO W COLUMN CONNECTION
1 1/2" = 1'-0"

AECOM
AECOM Services of PA Inc.
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

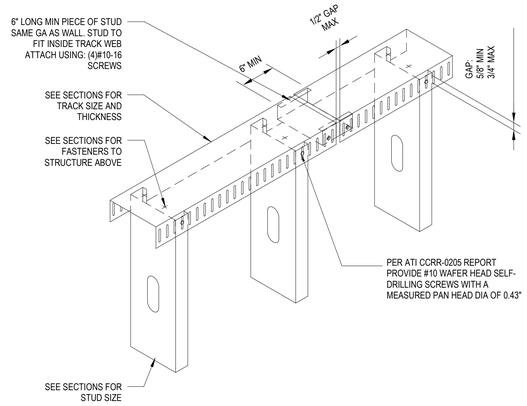
SHEET TITLE
FRAMING DETAILS

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

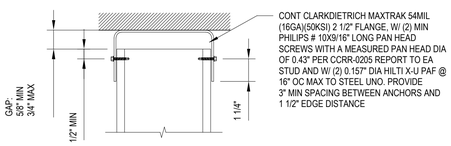
PROTOTYPE	
U45FB M v2025.Q1	
PROJECT NO.	
60699812.8495	
DRAWN	CHECKED
SK	MY

8216
UPPER SOUTHAMPTON, PA
Wawa

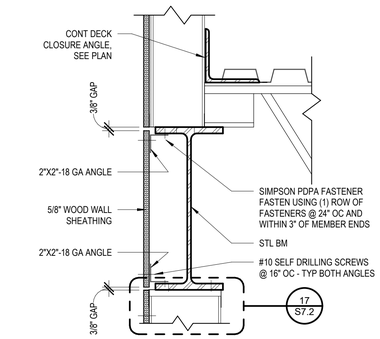
S7.1



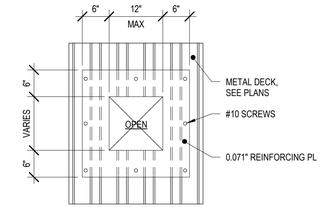
FRAMING NOTES:
1. SCREWS SHALL PENETRATE ALL FRAMING COMPONENTS.
2. SCREWS SHALL HAVE A MIN OF THREE EXPOSED THREADS EXTENDING THROUGH THE STEEL BEYOND ALL FRAMING COMPONENTS CONNECTED.
3. PROVIDE 1/2" MIN EDGE DIST AND 3/4" MIN SPACING FOR #10 AND #12 SELF DRILLING SCREWS.
4. PROVIDE 1/2" MIN EDGE DIST AND 1" MIN SPACING FOR PAF INTO STL, TYP. PAF ARE TO FULLY PENETRATE THE STRUCTURAL STEEL AND SHOULD HAVE A KNURLED SHANK.
5. PROVIDE 3" MIN EDGE DIST AND 4" MIN SPACING FOR 0.157" DIA HILTI X-U PAF INTO CONC, TYP.
6. STUD PUNCHOUTS TO BE AT LEAST 10" FROM END OF STUD.



17 S7.2 MAXTRAK DEFLECTION TRACK SECTION
3/4" = 1'-0"

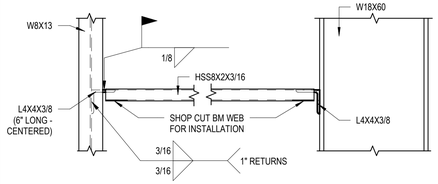


12 S7.2 INFILL FRAMING AT SUPPORT BEAMS
1 1/2" = 1'-0"



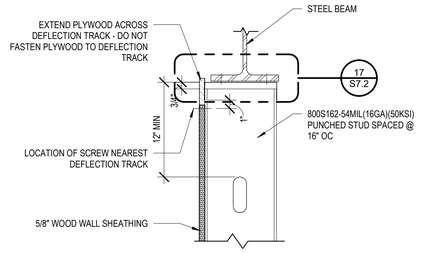
NOTE:
FOR HOLES 6" DIA OR LESS - NO REINFORCING PL IS REQUIRED

8 S7.2 METAL DECK PENETRATIONS FOR OPENINGS TO 12" PERPENDICULAR TO DECK
3/4" = 1'-0"

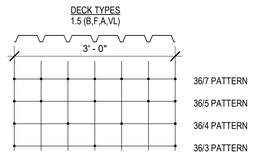


NOTE: WELDS REQUIREMENTS ARE THE SAME BOTH SIDES

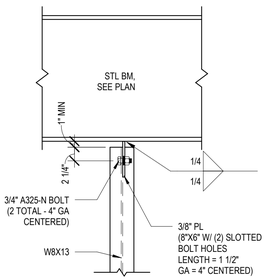
4 S7.2 HSS WIND GIRT TO COLUMN CONNECTIONS
1" = 1'-0"



11 S7.2 LIGHT GAUGE INFILL WALL TO BEAM CONNECTION
1 1/2" = 1'-0"

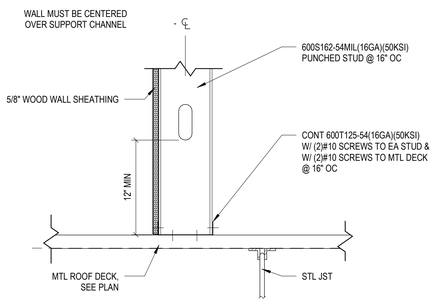


7 S7.2 METAL DECK FASTENING
3/4" = 1'-0"

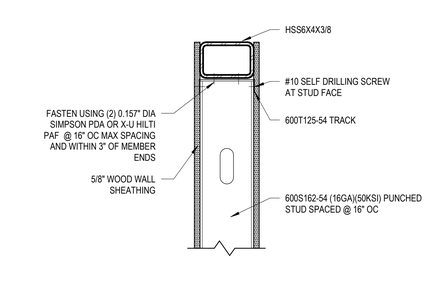


NOTE:
INSTALL BOLTS TO ALLOW VERTICAL MOVEMENT. UTILIZE NYLON LOCK NUTS OR DOUBLE NUTS TO PREVENT BOLTS FROM LOOSENING.

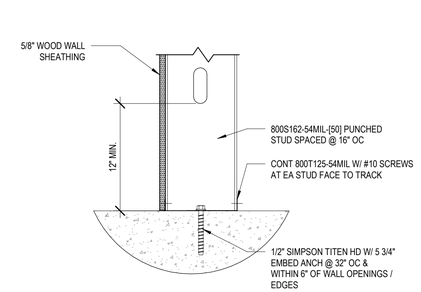
3 S7.2 WIND GIRT SUPPORT COLUMN TO BEAM CONNECTION
1" = 1'-0"



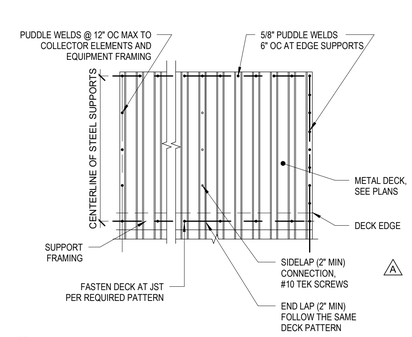
16 S7.2 TOWER LIGHT GAUGE FRAMING BASE CONNECTION
1 1/2" = 1'-0"



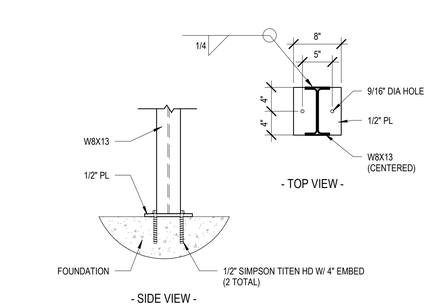
14 S7.2 INFILL AT TOP OF PARAPET CONNECTION
1 1/2" = 1'-0"



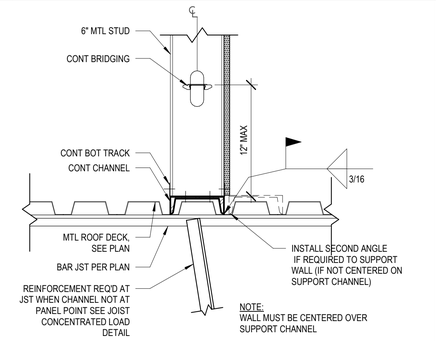
10 S7.2 LIGHT GAUGE INFILL WALL BASE CONNECTION
1 1/2" = 1'-0"



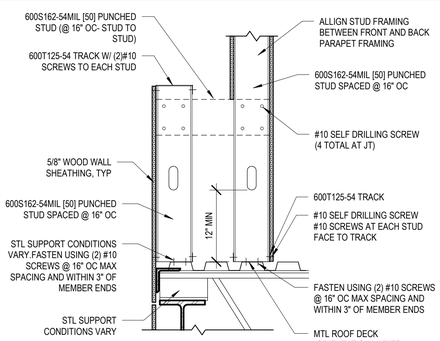
6 S7.2 METAL DECK FASTENING
3/4" = 1'-0"



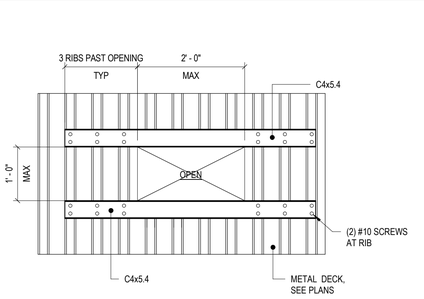
2 S7.2 WIND GIRT SUPPORT COLUMN TO FOUNDATION
1" = 1'-0"



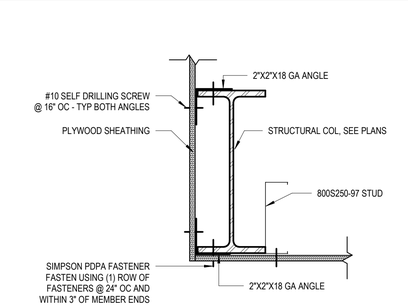
15 S7.2 TOWER LIGHT GAUGE FRAMING BASE CONNECTION - PERPENDICULAR TO JOIST
1 1/2" = 1'-0"



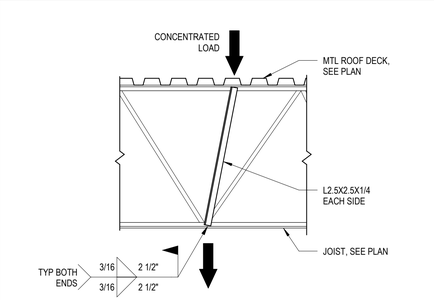
13 S7.2 PARAPET INFILL FRAMING
1" = 1'-0"



9 S7.2 METAL DECK PENETRATIONS FOR OPENINGS TO 24" PERPENDICULAR TO DECK
3/4" = 1'-0"



5 S7.2 PLYWOOD TO COLUMN CONNECTION DESIGN1
1 1/2" = 1'-0"



NOTE: WHERE CONCENTRATED LOAD EXCEED 100LBS AND FALLS BETWEEN TOP OR BOTTOM CHORD PANEL POINTS PROVIDE AND INSTALL (2) ANGLES, ONE ON EACH SIDE OF JOIST.

1 S7.2 JOIST CONCENTRATED LOAD SUPPORT
3/4" = 1'-0"

AECOM
AECOM Services of PA Inc.
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

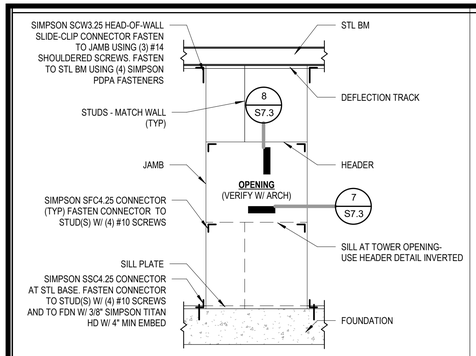
PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
FRAMING DETAILS

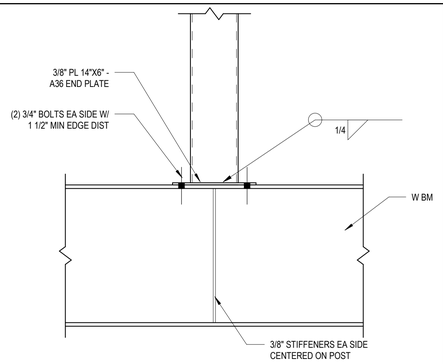
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60699812.8405
DRAWN	SK
CHECKED	MY

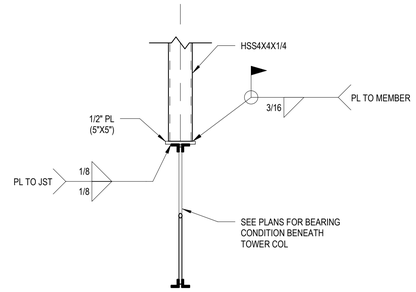
8216
UPPER SOUTHAMPTON, PA
Wawa
S7.2



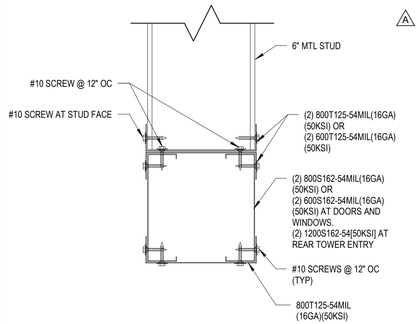
20 S7.3 LIGHT GAUGE WALL OPENING FRAMING
1/2" = 1'-0"



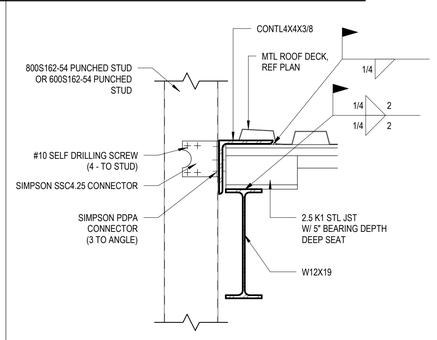
16 S7.3 STUB COLUMN SUPPORT BEAM
1" = 1'-0"



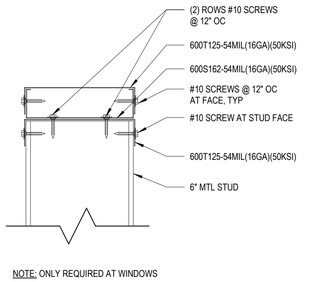
12 S7.3 HSS TOWER COLUMN TO JOIST CONNECTION
1" = 1'-0"



8 S7.3 HEADER DETAIL
3" = 1'-0"

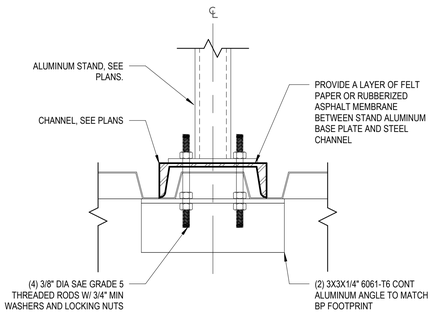


4 S7.3 TOWER FRONT STUD BY-PASS FRAMING CONNECTION
1 1/2" = 1'-0"

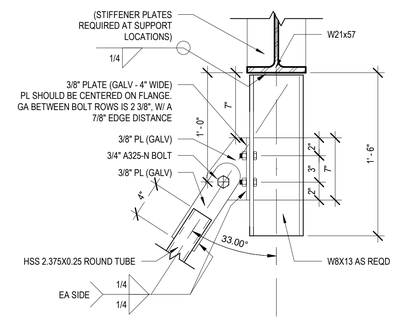


NOTE: ONLY REQUIRED AT WINDOWS

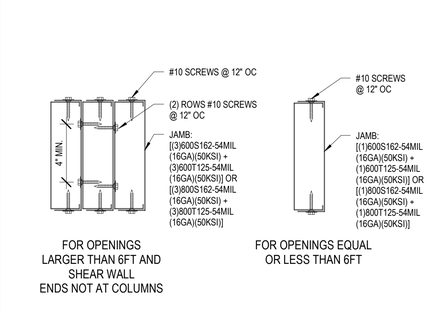
19 S7.3 SILL SECTION
3" = 1'-0"



15 S7.3 STAND COLUMN CONNECTION BETWEEN JOIST
3" = 1'-0"



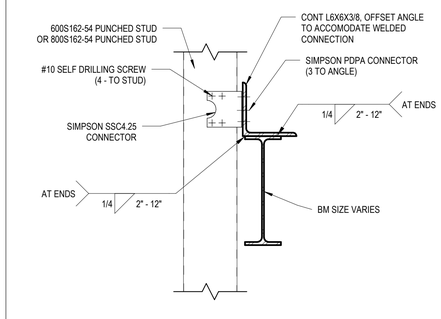
OVERHANG FRAMING ANCHOR ROD TO FRAME CONNECTION1
11 S7.3 1 1/2" = 1'-0"



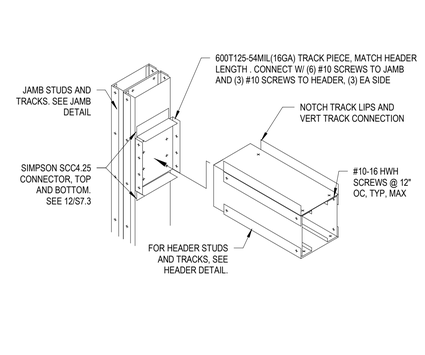
FOR OPENINGS LARGER THAN 6FT AND SHEAR WALL ENDS NOT AT COLUMNS

FOR OPENINGS EQUAL OR LESS THAN 6FT

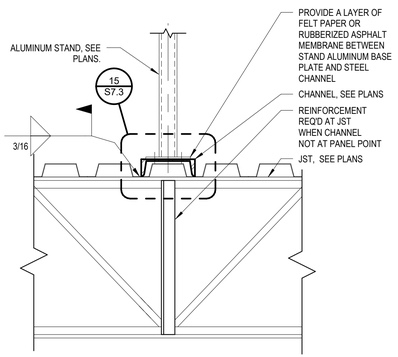
7 S7.3 TYPICAL JAMB
3" = 1'-0"



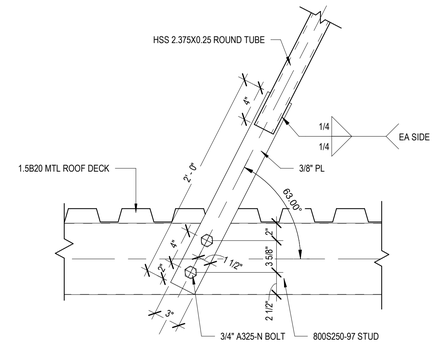
3 S7.3 STUD BY-PASS FRAMING CONNECTION
1 1/2" = 1'-0"



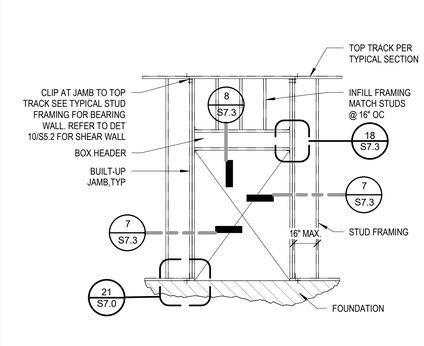
18 S7.3 HEADER CONNECTION TO JAMB STUD
3/4" = 1'-0"



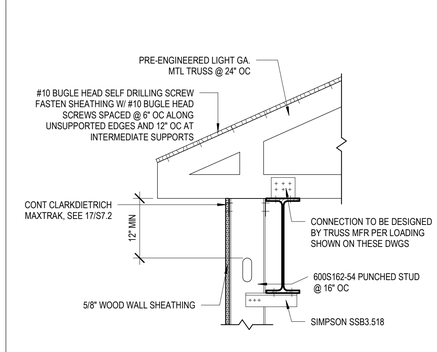
14 S7.3 CHANNEL CONNECTION TO JOIST
1 1/2" = 1'-0"



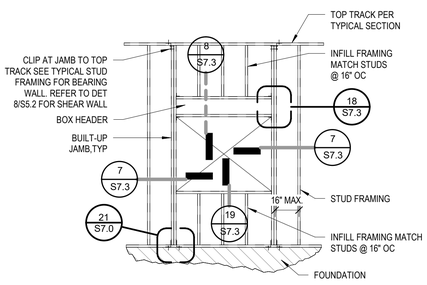
10 S7.3 OVERHANG FRAMING CONNECTION AT BRACE AND BEAM
1 1/2" = 1'-0"



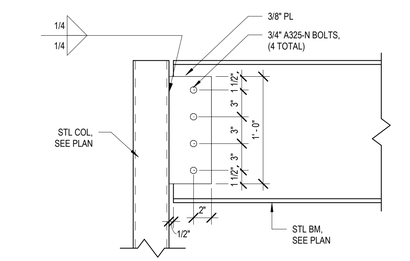
6 S7.3 TYPICAL WALL DOOR OPENING
1/4" = 1'-0"



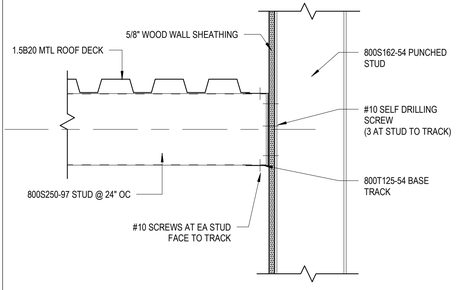
2 S7.3 TOWER LIGHT GAUGE FRAMING AT TOP OF WALL
1" = 1'-0"



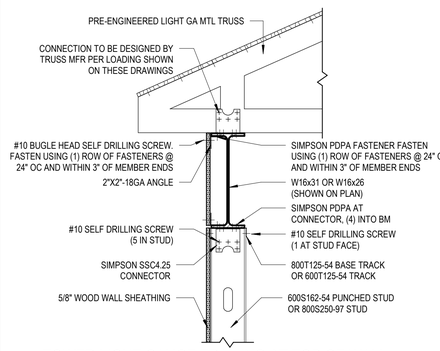
17 S7.3 TYP WALL WINDOW OPENING
1/4" = 1'-0"



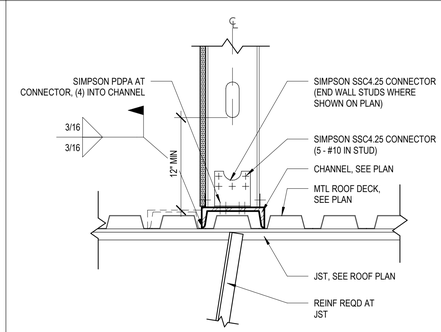
13 S7.3 HSS TOWER TO W BEAM CONNECTION
1 1/2" = 1'-0"



9 S7.3 OVERHANG FRAMING CONNECTION TO WALL
1 1/2" = 1'-0"



TOWER LIGHT GAUGE FRAMING AT TOP OF WALL GRIDLINE F
5 S7.3 1" = 1'-0"



TOWER LIGHT GAUGE FRAMING CORNER HOLD-DOWN CONNECTION
1 S7.3 1 1/2" = 1'-0"

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
FRAMING DETAILS

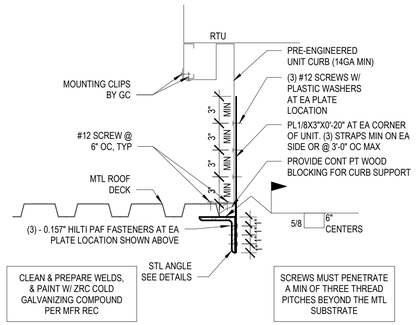
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/22/25

PROTOTYPE	
U45FB M v2025 Q1	
PROJECT NO.	60695612.9455
DRAWN	SK
CHECKED	MY

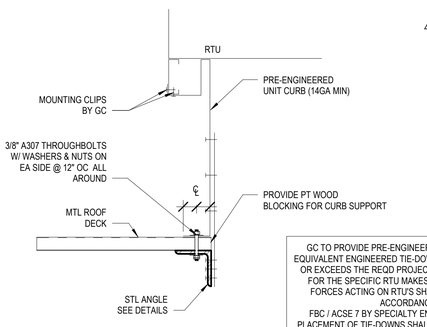
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UPPER SOUTHAMPTON, PA

Wawa

S7.3

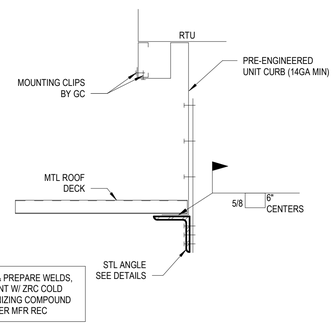


OPTION 1 - HOLD DOWN STRAP TO STL ANGLE



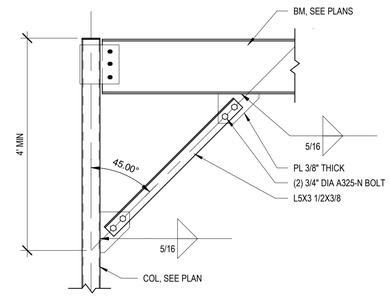
OPTION 2 - BOLT TO STL ANGLE

GC TO PROVIDE PRE-ENGINEERED RTU TIE-DOWNS OR EQUIVALENT ENGINEERED TIE-DOWN SOLUTION THAT MEETS OR EXCEEDS THE REQD PROJECT WIND DESIGN CRITERIA FOR THE SPECIFIC RTU MAKES & MODELS EMPLOYED. FORCES ACTING ON RTU'S SHALL BE CALCULATED IN ACCORDANCE W/ FBC / ACSE 7 BY SPECIALTY ENGR. SIZE, QUANTITY & PLACEMENT OF TIE-DOWNS SHALL BE AS REQD BY THE TIE-DOWN SUPPLIER FOR EA RTU. GC TO SUBMIT SIGNED & SEALED TIE-DOWN ENGINEERING & DETAILS FOR REVIEW & APPROVAL.

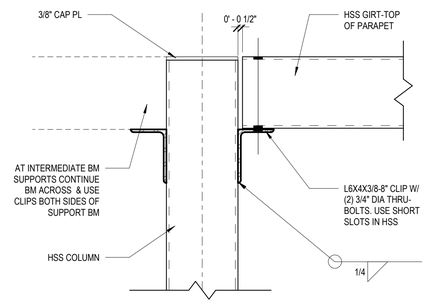


OPTION 3 - WELD TO STL ANGLE

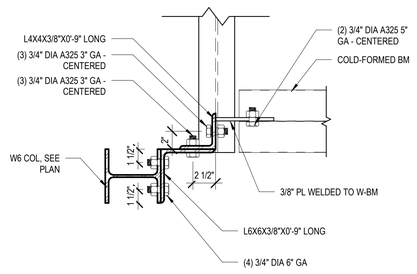
13 MECHANICAL UNIT CURB ATTACHMENT
S7.4 — 1 1/2" = 1'-0"



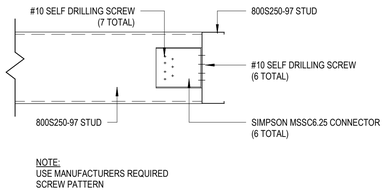
3 TOWER BRACE CONNECTION (VERTICAL)
S7.4 — 3/4" = 1'-0"



12 PARAPET GIRT CONNECTION
S7.4 — 1 1/2" = 1'-0"

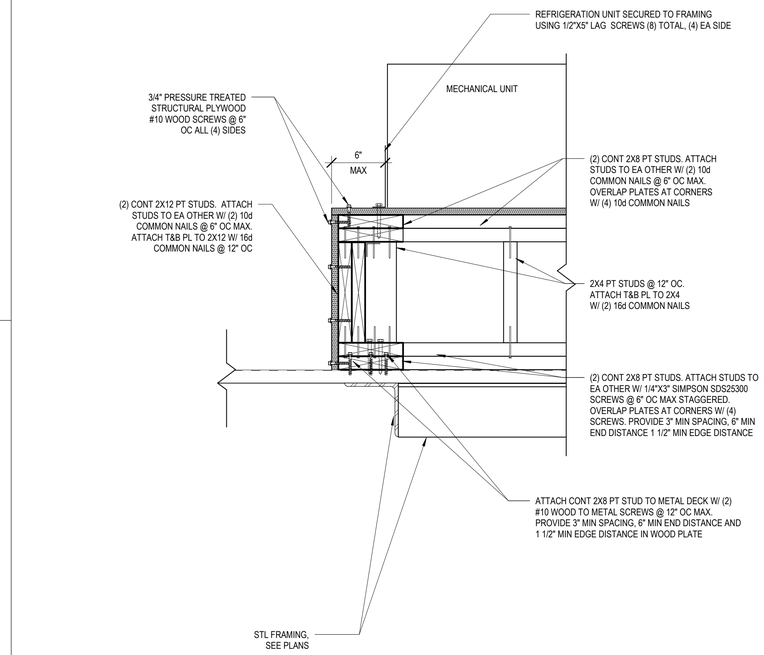


9 OVERHANG FRAMING DETAIL
S7.4 — 1 1/2" = 1'-0"

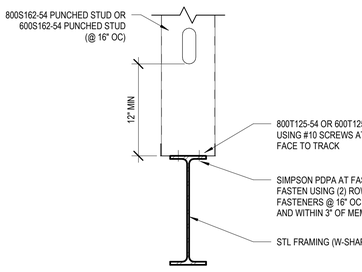


NOTE:
USE MANUFACTURERS REQUIRED SCREW PATTERN

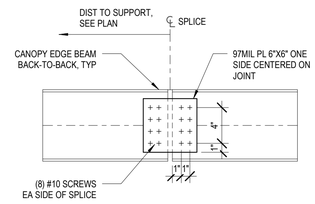
6 LIGHT GAUGE OVERHANG INTERMEDIATE FRAMING
S7.4 — 1 1/2" = 1'-0"



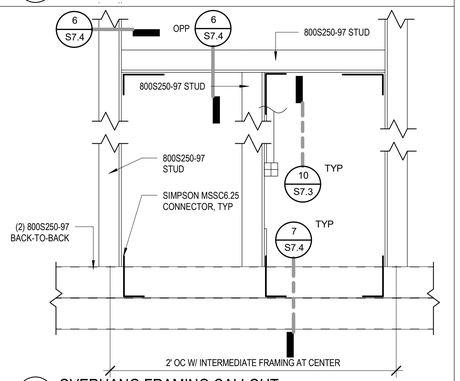
2 REFRIGERATION SUPPORT
S7.4 — 1 1/2" = 1'-0"



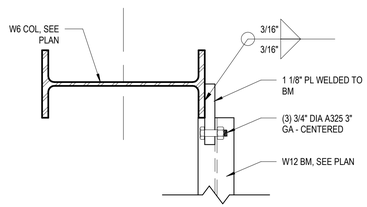
11 OVERHANG FRAMING DETAIL
S7.4 — 1 1/2" = 1'-0"



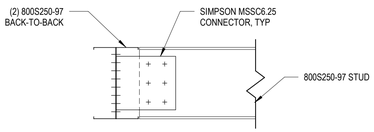
8 COLD-FORMED BEAM SPLICE
S7.4 — 1 1/2" = 1'-0"



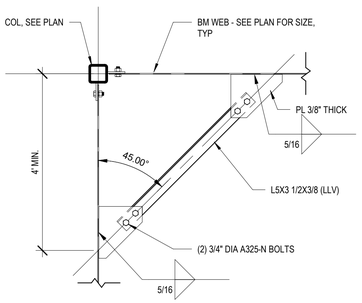
5 OVERHANG FRAMING CALLOUT
S7.4 — 1 1/2" = 1'-0"



10 OVERHANG FRAMING DETAIL
S7.4 — 1 1/2" = 1'-0"

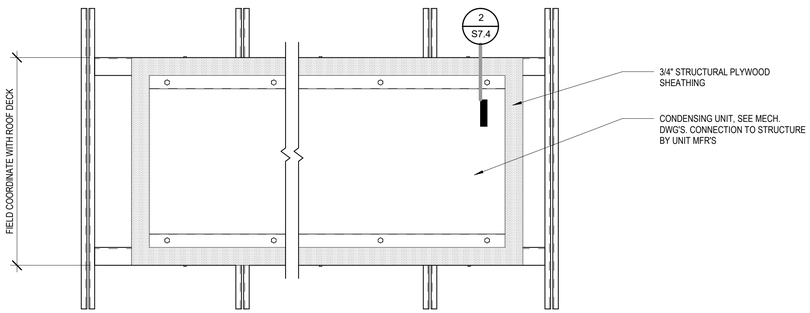


7 JOIST TO BEAM CONNECTION, TYP
S7.4 — 1 1/2" = 1'-0"



NOTE:
1. INSTALL BRACES 3" - 4" BELOW TOP OF BM, BOLT PROJECTIONS MUST REMAIN BELOW T.O.S.

4 TOWER BRACE CONNECTION (HORIZONTAL)
S7.4 — 3/4" = 1'-0"



1 REFRIGERATION FRAMING DETAIL
S7.4 — 3/4" = 1'-0"

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BLOOMFIELD, NJ 07003
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http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
FRAMING DETAILS

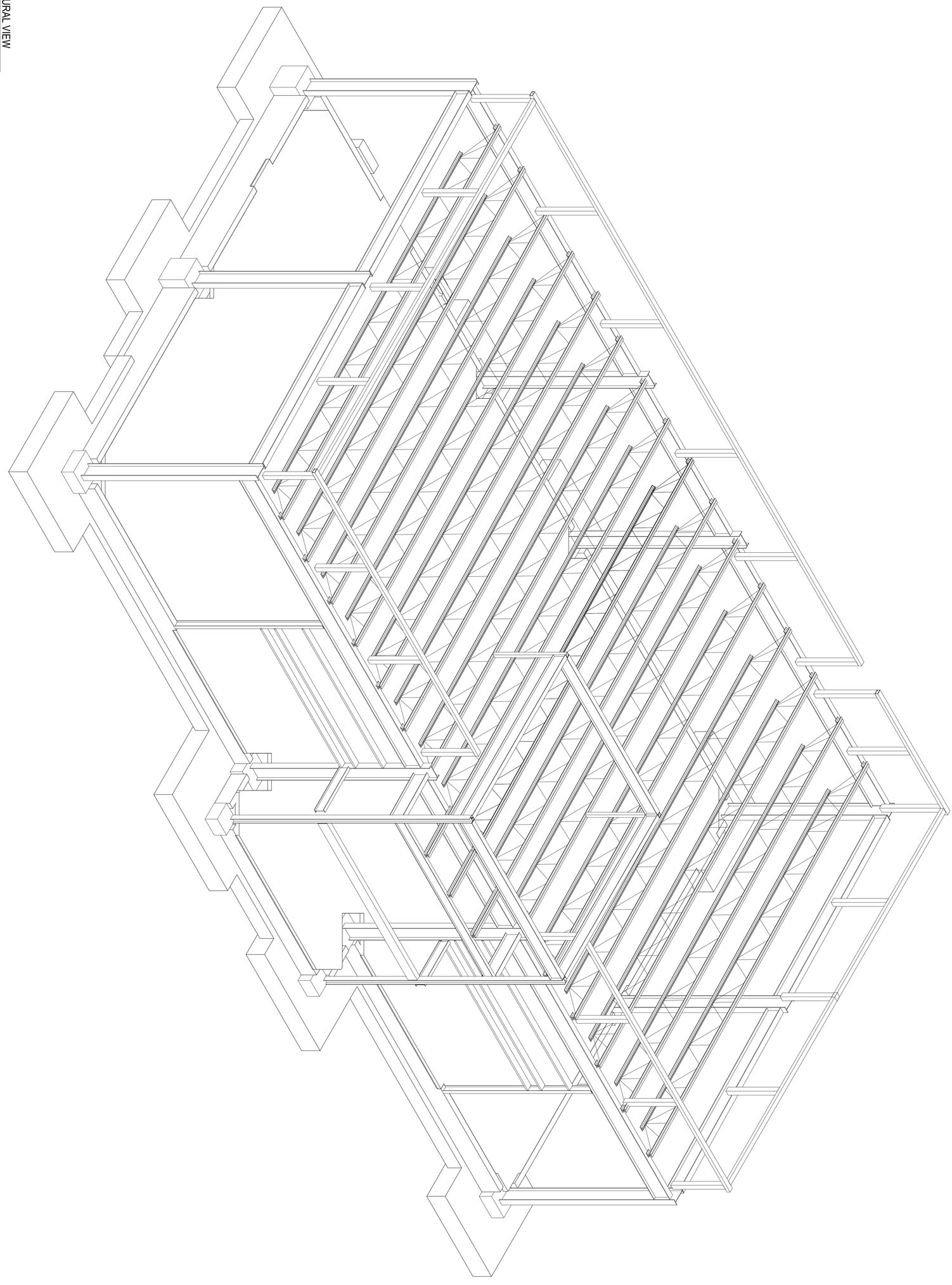
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60699812.8495
DRAWN	SK
CHECKED	MY

8216
UPPER SOUTHAMPTON, PA
Wawa

S7.4

1 S8.0 3D STRUCTURAL VIEW



PROTOTYPE
U45FB M v2025.Q1
PROJECT NO.
60699812.8495
DRAWN
SK
CHECKED
MY

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
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REV C - REVISED IFC SET	04/18/2025

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

CLIENT NAME
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260 W. BALTIMORE PIKE
WAWA,PA 19063

SHEET TITLE
3D VIEW

AECOM Services of PA, Inc.
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BLOOMFIELD, NJ 07003
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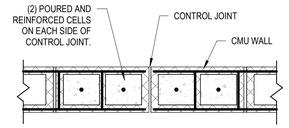
8216
UPPER SOUTHAMPTON, PA.
Wawa
S8.0

GENERAL NOTES:

1. EXTERIOR FOOTINGS HEREIN ARE RELATIVE TO ADJACENT GRADE. THE TOP OF ALL EXTERIOR FOOTINGS SHALL BE: -2'-0".
2. SEE ARCH / PLUMBING DRAWINGS FOR DRAIN SLOPES, ELEVATIONS AND SLAB RECESSES.
3. OPENING / RE-ENTRANT CORNER, TYP PROVIDE (2) #4 X 4'-0" LONG BARS AT MID-HEIGHT OF SLAB.

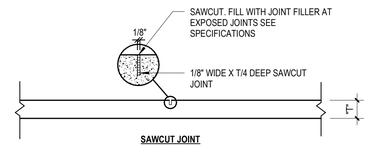
WALL FOUNDATION SCHEDULE

MARK	WIDTH	FOUNDATION THICKNESS	TOP REINF.	BOTTOM REINF.
WF4	4' - 0"	1' - 0"	(4) #5 CONT & #5 @ 12" OC TRANS	(4) #5 CONT & #5 @ 12" OC TRANS



NOTES:
1. BOND BEAM REINFORCEMENT SHALL BE CONTINUOUS ACROSS JOINT.
2. CUT CMU IN FIELD THROUGH WALL PRIOR TO GROUTING.
3. DO NOT CUT BOND BEAM REINFORCEMENT.
4. REINFORCED CELLS SHALL MATCH WALL REFORCEMENT REQUIREMENTS. IF WALLS ARE DOUBLY REINFORCED, THE REINFORCED CELLS WILL REQUIRE (2) BARS IN EACH.
5. WEATHERPROOF JOINT. REFERENCE ARCHITECTURAL DETAILS.

9 S9.0 CMU CONTROL JOINT
1" = 1'-0"

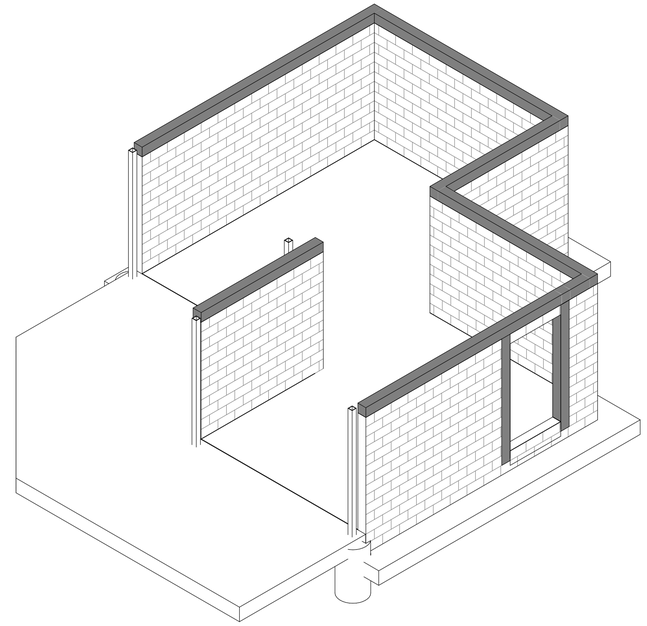


SAWCUT JOINT
TYP "C.J"

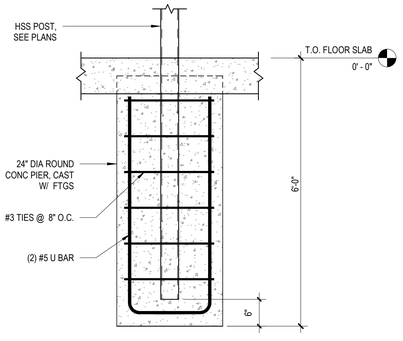
SLAB JOINT NOTES:

1. SEE PLAN FOR SLAB THICKNESS "T", REINFORCING AND SUBBASE.
2. CONTROL JOINTS TO BE EITHER A SAWCUT OR CONSTRUCTION JOINT.
3. SAWCUT JOINT SHALL BE 1/8" WIDE X T/4 DEEP CUT MADE WITHIN 2 HRS MIN AND 12 HRS MAX AFTER CONCRETE PLACEMENT WITHOUT RAVELING AND BEFORE RANDOM CRACKS OCCUR.

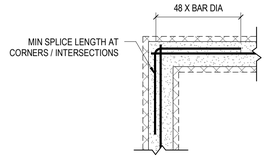
6 S9.0 GENERAL SLAB JOINT INFORMATION
3/4" = 1'-0"



2 S9.0 STRUCTURAL 3D VIEW

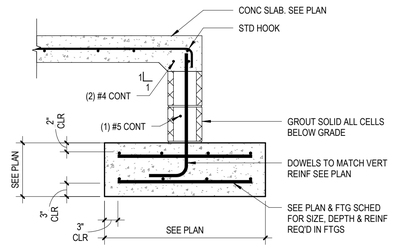


12 S9.0 COLUMN ENCASED IN CONCRETE
3/4" = 1'-0"

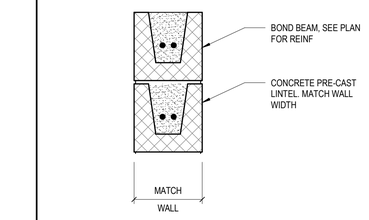


TYPICAL @ CORNERS

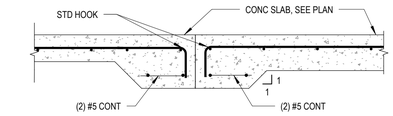
8 S9.0 CONTINUITY CORNER, TYP
3/4" = 1'-0"



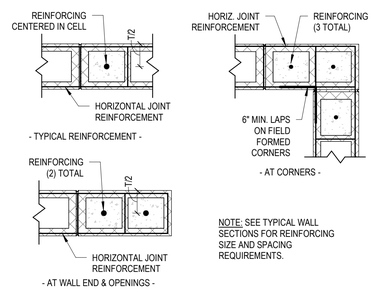
5 S9.0 FOUNDATION DETAIL
3/4" = 1'-0"



11 S9.0 CMU LINTEL / BOND BEAM AT DOOR CROSS SECTION
1 1/2" = 1'-0"

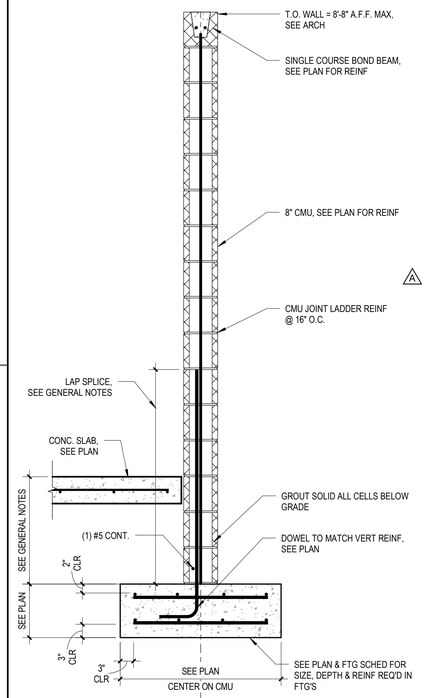


4 S9.0 SLAB TRANSITION DETAIL
3/4" = 1'-0"

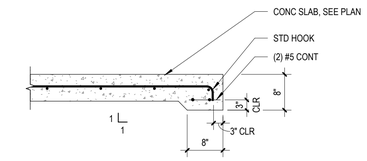


NOTE: SEE TYPICAL WALL SECTIONS FOR REINFORCING SIZE AND SPACING REQUIREMENTS.

10 S9.0 TYPICAL CMU DETAILS
1" = 1'-0"



7 S9.0 WALL SECTION
3/4" = 1'-0"



3 S9.0 FOUNDATION DETAIL
3/4" = 1'-0"

1 S9.0 FOUNDATION PLAN
1/4" = 1'-0"

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M V.2025 Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
STRUCTURAL TRASH COMPOUND

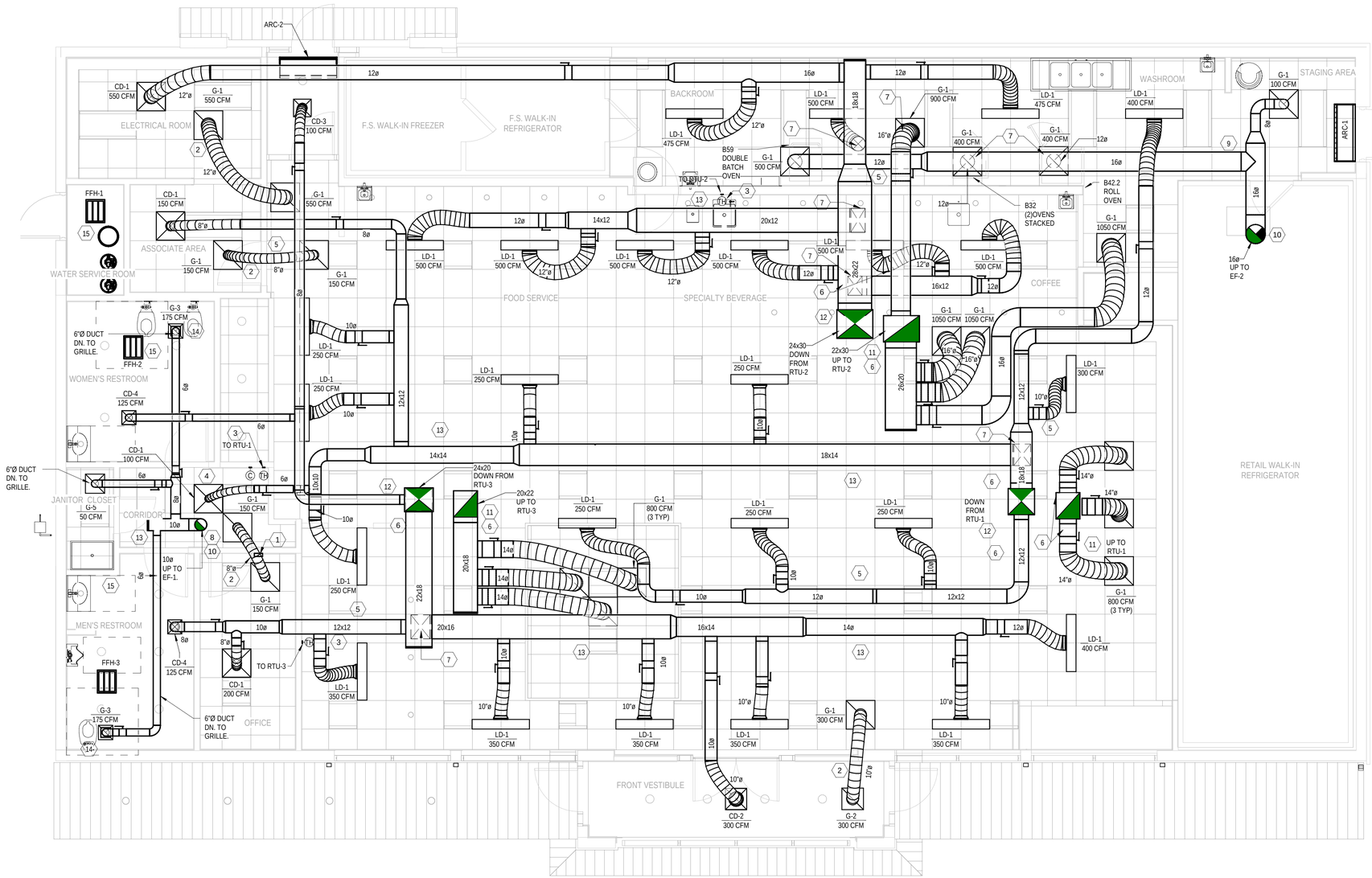
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M V.2025.Q1
PROJECT NO.	60699812
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UPPER SOUTHAMPTON, PA

Wawa

S9.0



1 M1.0 HVAC FLOOR PLAN

1/4" = 1'-0"

KEYNOTES

1. REMOTE TEST STATION FOR SMOKE DETECTORS FOR RTU-1, 2, & 3. TEST STATION TO BE MOUNTED ON THE MANAGER'S OFFICE WALL. SECURITY CONTRACTOR SHALL WIRE RTU FACTORY MOUNTED SMOKE DETECTORS TO SECURITY/FIRE ALARM PANEL. MECHANICAL CONTRACTOR SHALL PROVIDE TEST STATION AND WIRING BETWEEN COMPONENTS AS WELL AS WIRING TO SHUT DOWN THE A/C FAN UPON ACTIVIATION OF THE SMOKE DETECTOR. G.C. TO TEST THE SMOKE DETECTOR FUNCTIONS WITH THE WAWA PROJECT MANAGER.
2. TRANSFER AIR DUCT ASSEMBLY.
3. WALL MOUNTED SENSOR(S) FOR EACH MECHANICAL UNIT, AS SCHEDULE ON SHEET M4.0 G.C. SHALL INSTALL AND WIRE TO UNIT.
4. WALL MOUNTED CO2 SENSOR TO RTU-1. SENSOR TO MONITOR CO2 LEVELS THROUGH REMOTE BAS.
5. ROUTE DUCT THROUGH ANGLED WEB MEMBER AND SUPPORT AT PANEL POINT.
6. DUCTWORK TO RUN WITHIN JOIST SPACING. MECHANICAL CONTRACTOR TO COORDINATE MECHANICAL WORK WITH ALL TRADES PRIOR TO INSTALLATION.
7. CONNECT TO BOTTOM OF MAIN DUCT WITH VOLUME DAMPER.
8. EF-1 SPEED CONTROLLER SHALL BE MOUNTED ON INSIDE OF FAN COVER BY MECHANICAL CONTRACTOR AND SET BY THE BALANCER.
9. ROUTE DUCT TIGHT TO UNDERSIDE OF JOIST
10. EXHAUST DUCT UP TO ROOF MOUNTED EXHAUST FAN. SEE ROOF PLAN FOR CONTINUATION.
11. RETURN DUCT PLENUM UP TO RTU SEE PLAN FOR SIZE.
12. SUPPLY DUCT PLENUM DOWN FROM RTU SEE PLAN FOR SIZE.
13. DUCT TO PASS BELOW BEAM IN THIS AREA. COORDINATE WITH STRUCTURE.
14. PROVIDE GRILLE WITH OPTIONAL ADJUSTABLE VOLUME DAMPER ADJUSTABLE AT FACE OF GRILLE
15. HEATER SHALL BE A MINIMUM OF 12" AWAY FROM ANY WALL. INSTALL IN STRICT ACCORDANCE WITH OWNERS WRITTEN INSTRUCTIONS.

PERMITTING NOTE:

ALL REFRIGERATION EQUIPMENT INCLUDING WALK-IN COOLERS AND REFRIGERATORS WILL BE SUBMITTED UNDER A SEPARATE PERMIT.

GENERAL NOTE:

A. MECHANICAL CONTRACTOR SHALL ADJUST ALL LINEAR SLOT DIFFUSERS TO A GENERALLY VERTICAL FLOW. ADJUSTMENT SHALL BE MADE SO AS TO AVOID AIRFLOWS ON SENSORS, REFRIGERATION CASES, OR OPEN FOOD REFRIGERATION EQUIPMENT.

B. IN ADDITION TO SPECIFICATIONS REQUIREMENTS FOR TESTING AND BALANCING, SUBMIT TESTING AND BALANCING REPORT WITH FLOOR PLAN INDICATING LOCATION OF INLETS AND OUTLETS WITH TAGS THAT MATCH THE TESTING AND BALANCING REPORT.

C. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL VOLUME DAMPERS IN LOCATIONS ACCESSIBLE TO ALLOW FOR BALANCING.

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO 2025.Q1
WAWA STORE #8216
263 STREET PIKE,UPPER SOUTHAMPTON TOWNSHIP
BUCKS COUNTY SOUTHAMPTON, PA 18966

SHEET TITLE
HVAC FLOOR PLAN

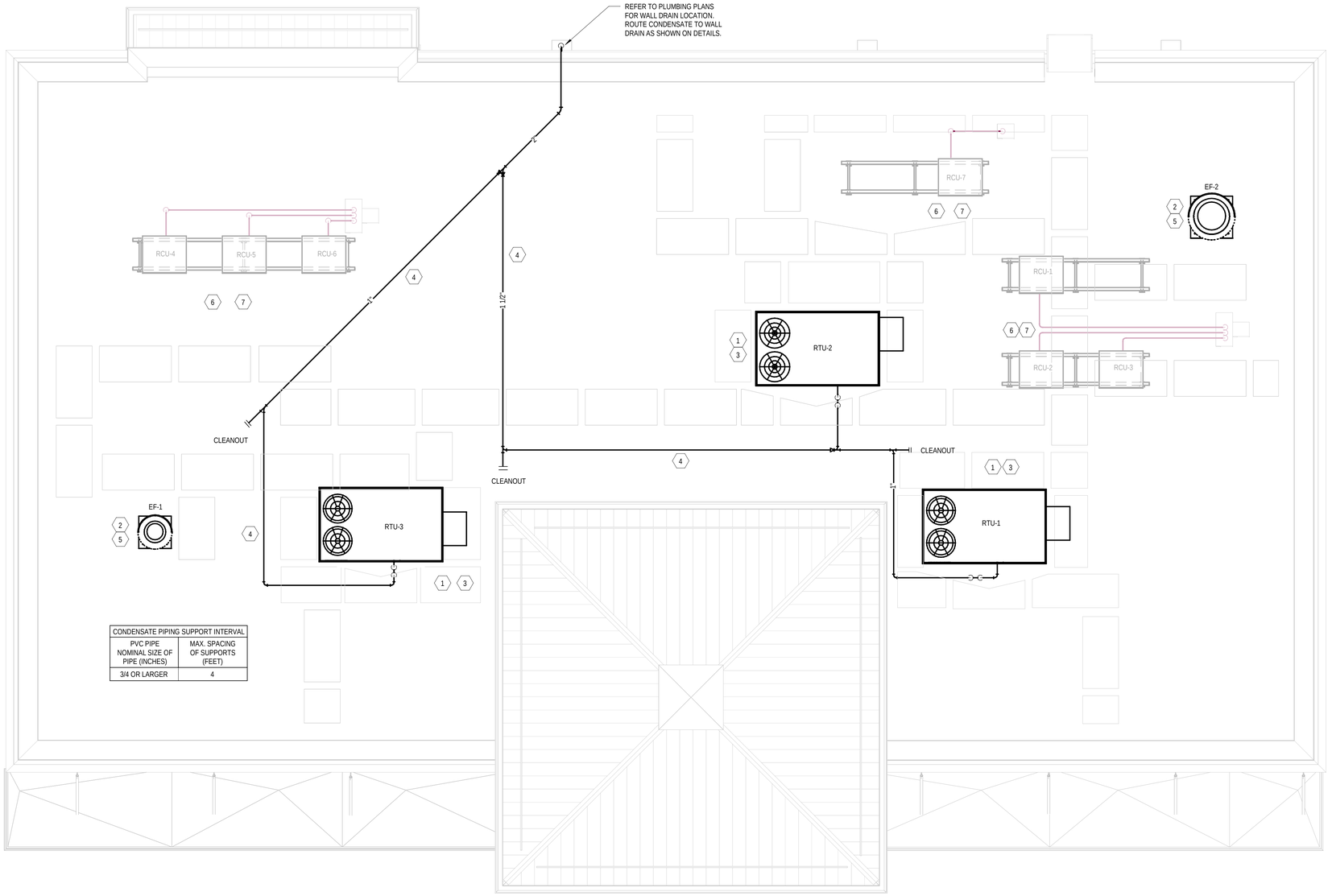
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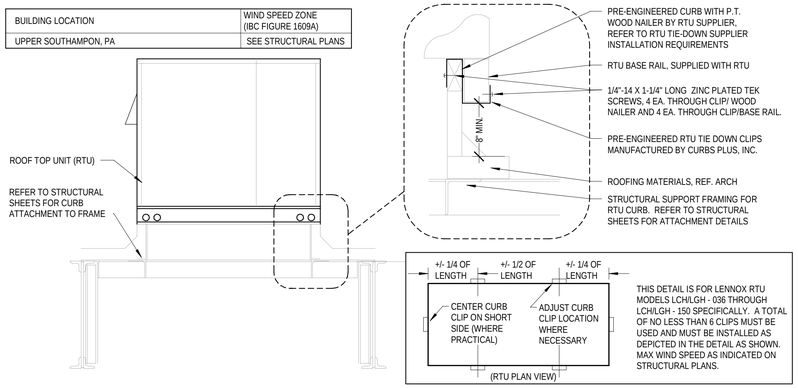
PROTOTYPE U45FB MIRROR PROTO 2025.Q1
PROJECT NO. 60699612
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8216
UPPER SOUTHAMPTON, PA

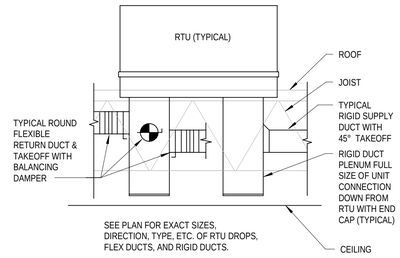
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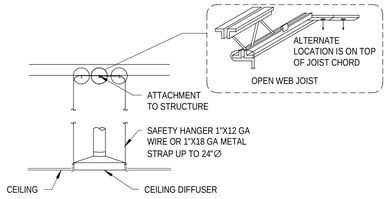

REFER TO PLUMBING PLANS FOR WALL DRAIN LOCATION. ROUTE CONDENSATE TO WALL DRAIN AS SHOWN ON DETAILS.
RCU-4
RCU-5
RCU-6
RCU-7
RCU-1
RCU-2
RCU-3
EF-2
EF-1
RTU-2
RTU-3
RTU-1
CLEANOUT
CLEANOUT
CLEANOUT
1'-0"
1'-0"
1'-0"



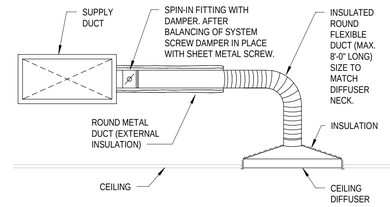
1 M3.0 HVAC RTU TIE-DOWN DETAIL
NOT TO SCALE



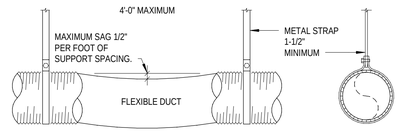
2 M3.0 TYPICAL DUCT PLENUM DETAIL
NOT TO SCALE



3 M3.0 HVAC CEILING MOUNTED AIR DIFFUSER SUPPORT DETAIL
NOT TO SCALE



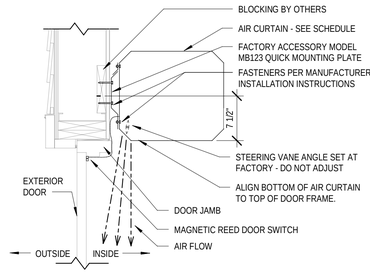
4 M3.0 HVAC CEILING DIFFUSER RUNOUT DETAIL
NOT TO SCALE



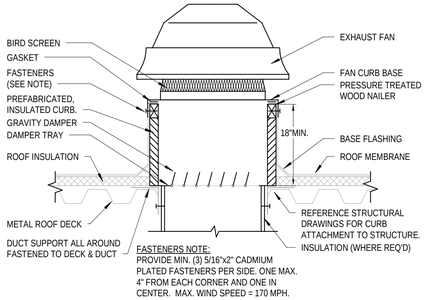
NOTES:

1. DUCT SHOULD EXTEND STRAIGHT FOR SEVERAL INCHES FROM A CONNECTION BEFORE BENDING.
2. SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE.

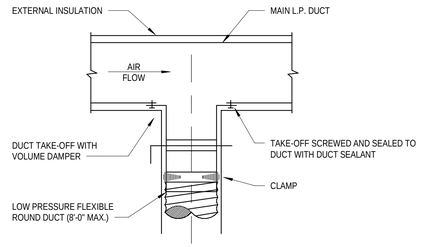
5 M3.0 HVAC FLEX DUCT SUPPORT DETAIL
NOT TO SCALE



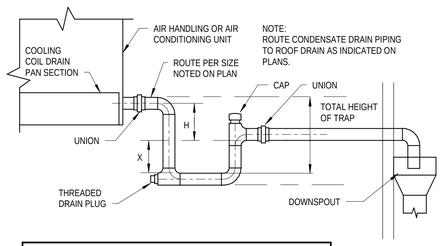
6 M3.0 AIR CURTAIN INSTALLATION DETAIL
NOT TO SCALE



7 M3.0 ROOF FAN MOUNTING DETAIL
NOT TO SCALE



8 M3.0 HVAC SUPPLY DIFFUSER TAKE OFF DETAIL
NOT TO SCALE

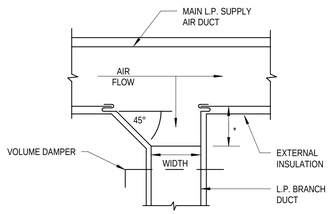


DRAIN TRAPPING HEIGHT		
FAN ARRANGEMENT	H	X
BLOW-THRU (POSITIVE STATIC PRESSURE)	A	B
DRAW-THRU (NEGATIVE STATIC PRESSURE)	D	C

A = MINIMUM 1"
B = AT LEAST 1" PLUS CASING STATIC PRESSURE
C = 1/2 "D"
D = AT LEAST 1" PLUS CASING STATIC PRESSURE

TOTAL HEIGHT OF TRAP = X + H + (1.5 x PIPE DIAMETER)
(WITHOUT INSULATION)

9 M3.0 HVAC CONDENSATE DRAIN DETAIL
NOT TO SCALE

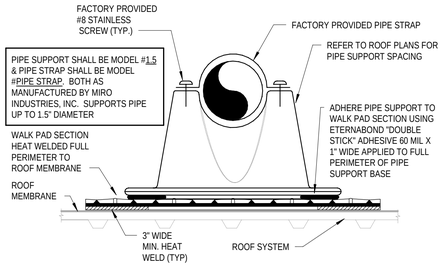


* EQUALS WIDTH OF BRANCH DUCT UP TO 12". 12" FOR ALL BRANCH DUCTS LARGER THAN 12"

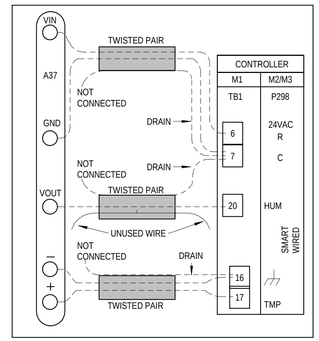
NOTES:

1. GENERAL ARRANGEMENT SHOWN. INSTALL ALL FIRE DAMPERS IN STRICT ACCORDANCE WITH ALL INSTALLATION PROCEDURES REQUIRED BY THE UNDERWRITERS LABORATORY INC. AS FURNISHED BY DAMPER MFGR.
2. WHERE FIRE DAMPER IS TO BE MOUNTED WITHIN EXISTING CEILING, WALL OR FLOOR, CUT OPENING AS REQUIRED TO MAINTAIN CLEARANCES STIPULATED BY THE MFGR. BETWEEN WALL OR FLOOR AND SLEEVE.
3. GAUGE OF SHEETMETAL SLEEVE, MOUNTING ANGLES, METHODS OF ATTACHMENT, ETC. AS DIRECTED BY FIRE DAMPER MFGR.

10 M3.0 HVAC LOW PRESSURE SUPPLY BRANCH DUCT DETAIL
NOT TO SCALE



11 M3.0 PIPE ROOF SUPPORT DETAIL
NOT TO SCALE



TYPICAL LENNOX SENSOR WIRING DIAGRAM.
INSTALLER TO USE SEPARATE TWISTED-PAIR, SHEILDED CABLES AS NOTED.

WIRE RUNS OF 50' (15m) OR LESS:
USE THREE SEPARATE SHIELDED CABLES CONTAINING 20AWG MINIMUM, TWISTED PAIR CONDUCTORS WITH OVERALL SHIELD (BELDEN TYPE 8762 OR 88760 [PLENUM] OR EQUIVALENT). CONNECT CABLE SHIELD DRAIN WIRES AS SHOWN IN DIAGRAM.

WIRE RUNS OF 150' (46m) OR LESS:
USE THREE SEPARATE SHIELDED CABLES CONTAINING 18AWG MINIMUM,TWISTED PAIR CONDUCTORS WITH OVERALL SHIELD (BELDEN TYPE 8762 OR 88760 [PLENUM] OR EQUIVALENT). CONNECT CABLE SHIELD DRAIN WIRES AS SHOWN IN DIAGRAM.

12 M3.0 TEMPERATURE/HUMIDITY SENSOR WIRING DIAGRAM
NOT TO SCALE

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO 2025.Q1
#8216
WAWA STORE #8216
25 STREET PIKE (UPPER SOUTHAMPTON TOWNSHIP
BUCKS COUNTY SOUTHAMPTON, PA 18966

SHEET TITLE
HVAC DETAILS

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE U45FB MIRROR PROTO 2025.Q1
PROJECT NO. 60699812
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8216
UPPER SOUTHAMPTON, PA

Wawa

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OUTSIDE AIR CALCULATION

AREA SERVED	AREA (SQFT)	PEOPLE / 1000 SQFT	# PEOPLE	CFM/ PERSON	PEOPLE O.A. REQ'D (CFM)	CFM/ SQFT	SQFT OUTSIDE AIR (CFM)	TOTAL CFM CALCULATED	CFM SUPPLIED
RETAIL TOP	843	15	13	7.5	98	0.12	102	200	
SELF BEV.	38	15	1	7.5	8	0.12	5	13	
ASSOCIATES	70	5	1	5	5	0.06	5	10	
WASHROOM	122	20	3	10	30	0.12	15	45	
STAGING	76	2	1	10	10	0.12	10	20	
CORRIDOR	61	-	-	-	-	0.06	4	4	
							RTU-1	292	600
BACKROOM	286	20	6	7.5	45	0.12	35	80	
COFFEE	232	20	5	7.5	38	0.12	28	66	
FOOD SVC	330	20	7	7.5	53	0.12	40	93	
							RTU-2	239	950
FRONT RETAIL	964	15	15	7.5	113	0.12	112	225	
OFFICE	94	5	1	5	5	0.06	6	11	
FRONT VEST.	110	10	2	5	10	0.06	7	11	
REAR VEST.	110	10	2	5	10	0.06	7	11	
							RTU-3	265	600

NOTES:
1. OCCUPANCY LOAD VENTILATION RATES ARE BASED ON NET OCCUPIABLE SPACE IN ACCORDANCE WITH THE JURISDICTION'S LATEST ACCEPTED VERSION OF THE INTERNATIONAL MECHANICAL CODE, TABLE 403.3.1.1.
2. ANTICIPATED NUMBER OF PEOPLE IS BASED ON AN OCCUPANCY LOAD FACTOR (# PEOPLE/SF) VALUE (BASED ON THE JURISDICTION'S LATEST ACCEPTED VERSION OF THE INTERNATIONAL MECHANICAL CODE, TABLE 403.3.1.1).

AIR BALANCE SCHEDULE

SYSTEM	CFM
RTU-1	+600
RTU-2	+950
RTU-3	+600
EF-1	-400
EF-2	-1400
BUILDING POSITIVE PRESSURE	+350

MECHANICAL GENERAL NOTES

1. REFER TO WRITTEN BOOK SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. THE WORK TO BE DONE UNDER THESE SPECIFICATIONS AND THE DRAWINGS CONSISTS OF FURNISHING ALL EQUIPMENT, MATERIALS, LABOR AND SERVICES, AND PERFORMING ALL OPERATIONS TO COMPLETE THE MECHANICAL CONSTRUCTION WORK FOR THIS PROJECT. ANY WORK NOT SPECIFICALLY COVERED BY THESE SPECIFICATIONS OR INDICATED ON THE MECHANICAL/ELECTRICAL/PLUMBING PLANS, BUT NECESSARY TO COMPLETE OR PERFECT ANY PART OF THIS INSTALLATION IN A SUBSTANTIAL MANNER, SHALL BE PROVIDED WITHOUT EXTRA COST TO OWNER.
3. THE TERM "FURNISH" SHALL MEAN TO OBTAIN AND SUPPLY TO THE JOB SITE. THE TERM "INSTALL" SHALL MEAN TO FIX IN POSITION AND CONNECT FOR USE. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL. THE TERM "MECHANICAL WORK" OR "WORK" SHALL MEAN ALL LABOR, MATERIAL, EQUIPMENT, SCAFFOLDING, RIGGING, TOOLS, SUPERVISION, SERVICES AND OTHER INCIDENTALS NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT, MATERIALS AND LABOR TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM AS INDICATED ON THE DESIGN DOCUMENTS.
5. CONTRACTOR SHALL OBTAIN ALL PERMITS, INSPECTIONS AND APPROVALS PRIOR TO AND DURING CONSTRUCTION.
6. ALL MATERIALS, EQUIPMENT AND INSTALLATIONS SHALL BE IN STRICT ACCORDANCE WITH JURISDICTION'S LATEST ACCEPTED VERSION OF THE INTERNATIONAL BUILDING CODE - MECHANICAL, SMACNA, UL, STATE CODES, LOCAL CODES, MANUFACTURER'S RECOMMENDATIONS, AND ALL AUTHORITIES HAVING JURISDICTION.
7. CONTRACTOR SHALL PROVIDE ALL ROOFING OPENINGS, FLASHINGS, AUXILIARY STEEL, THREADED RODS, VIBRATION ISOLATORS, TURNBUCKLES, ETC. TO SUPPORT HIS EQUIPMENT ON OR FROM THE STRUCTURE.
8. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AND IN FIELD PRIOR TO INSTALLATION OF ANY WORK. REPORT ALL CONFLICTS IMMEDIATELY TO ARCHITECT AND ENGINEER.
9. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT, GENERAL CHARACTER AND LOCATION OF THE WORK INCLUDED. OFFSETS OR CHANGES IN DUCT SHAPE TO AVOID STRUCTURAL OR OTHER INTERFERENCES, AND WORK INDICATED BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED SHALL BE PROVIDED WITHOUT EXTRA COST.
10. ANY CHANGES AND/OR MODIFICATIONS MUST BE REVIEWED AND APPROVED BY THE ENGINEER OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
11. REMOVE ALL TRASH, DEBRIS AND DEMOLITION MATERIAL FROM PREMISES AT THE END OF EACH WORK DAY.
12. SCHEDULE ALL WORK, CUTTING AND BUILDING SERVICE INTERRUPTIONS WITH BUILDING OWNER AND CONSTRUCTION MANAGER, PRIOR TO COMPLETING WORK.
13. ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
14. THE MAXIMUM FLEXIBLE DUCT LENGTH PERMITTED IS 6'-0". THIS DUCTWORK SHALL BE INSTALLED WITHOUT KINKS OR 90° BENDS.
15. ALL FLEXIBLE DUCTWORK SHALL BE FLEX-VENT TYPE KM INSULATED WITH POLYMER INNER FILM AND METALIZED OUTER JACKET, OR APPROVED EQUAL. SIZE SHALL BE SAME AS DIFFUSER NECK SIZE, UNLESS INDICATED OTHERWISE.
16. FIELD ADJUST THE DIRECTION OF BLOW FOR ALL SUPPLY AIR DEVICES SO THAT THE DEVICES DO NOT BLOW DIRECTLY INTO SOFFITS, CURTAIN WALLS, REFRIGERATED CASES OR EXHAUST HOODS.
17. ALL NEW AND EXISTING PIPES AND DUCTS SHALL HAVE UL FIRE RATED SLEEVES AND/OR FIRE RATED DAMPERS, WHEN PASSING THROUGH FIRE RATED CONSTRUCTION.
18. COORDINATE LOCATION OF NEW DUCTWORK, AIR DEVICES AND EQUIPMENT WITH LIGHT FIXTURES, SPRINKLER PIPING AND HYDRONIC PIPING.
19. CONTRACTOR SHALL VERIFY FIELD CONDITIONS AT THE SITE AND NOTIFY THE OWNER/ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING WITH WORK.
20. ALL TEMPERATURE AND HUMIDITY SENSORS SHALL BE INSTALLED 54" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE ON PLAN. COORDINATE FINAL LOCATIONS WITH EQUIPMENT, FURNITURE, TENANT AND ARCHITECT PRIOR TO INSTALLATION.
21. ALL DUCTWORK SHALL BE GALVANIZED STEEL CONSTRUCTED AT 2" PRESSURE CLASS. ALL CONCEALED DUCTWORK BELOW TRUSSES SHALL BE INSULATED WITH 1-1/2" FIBERGLASS DUCT WRAP WITH WIRE SUPPORT BANDS ON 24" CENTERS. ALL CONCEALED DUCTWORK ABOVE THE TRUSSES SHALL BE INSULATED WITH 1-1/2" OF FIBERGLASS DUCT WRAP WITH WIRE SUPPORT BANDS ON 24" CENTERS. ALL INTERIOR EXPOSED DUCTWORK BELOW TRUSSES SHALL BE INSULATED WITH 1" RIGID FIBERGLASS DUCT BOARD WITH FOIL AND SCRIM FACING. ALL EXTERIOR EXPOSED DUCTWORK SHALL BE INSULATED WITH 4" RIGID FIBERGLASS BOARD WITH WEATHERPROOF MEMBRANE.
22. VERIFY ALL EQUIPMENT VOLTAGES, WIRING REQUIREMENTS, AND REQUIRED BREAKER SIZES WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
23. ALL ACCESS DOORS REQUIRED IN GENERAL CONSTRUCTION ARE TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO IDENTIFY SIZE, TYPE AND LOCATION OF SUCH DOORS FOR PROPER ACCESS TO ALL CONCEALED MECHANICAL EQUIPMENT, VALVES AND OTHER RELATED DEVICES. THE MECHANICAL CONTRACTOR SHALL IDENTIFY THESE REQUIREMENTS ON A COORDINATED SHOP DRAWING PRIOR TO SYSTEM FABRICATION AND INSTALLATION.
24. AFTER THE HEATING AND AIR CONDITIONING SYSTEM INSTALLATIONS ARE COMPLETE, THE CONTRACTOR SHALL BALANCE THE SYSTEM AND PRESENT OWNER & ARCHITECT WITH A WRITTEN BALANCING REPORT BY A CERTIFIED INDEPENDENT TESTING LAB. DAMPER HANDLES SHALL BE FASTENED INTO DUCTWORK WITH SHEETMETAL SCREWS AFTER BALANCING TO ASSURE CORRECT BALANCED AIRFLOW.
25. PROVIDE ELBOWS OR TEES WITH TURNING VANES FOR ALL CHANGES IN SUPPLY DUCT DIRECTION. PROVIDE BRANCH DUCT DAMPERS WITH LOCKING QUADRANTS FOR ALL BRANCHES AND TAKE-OFFS. PROVIDE RAISED QUADRANTS FOR INSULATED DUCTWORK. ALL VOLUME DAMPER HANDLES ARE TO PROTRUDE NEATLY THROUGH DUCT INSULATION AND BE TAGGED SO THAT THEY ARE CLEARLY VISIBLE.
26. PROVIDE FLEXIBLE CONNECTIONS AT ALL DUCT CONNECTIONS TO VIBRATING EQUIPMENT. THESE CONNECTIONS SHALL BE INSTALLED IN CLOSE PROXIMITY TO SUCH EQUIPMENT.
27. THE MECHANICAL CONTRACTOR SHALL HAVE A QUALIFIED HVAC TECHNICIAN FROM THE UNIT MANUFACTURER PROVIDE AN EQUIPMENT OPERATION CHECK AFTER UNIT START-UP AND PRIOR TO CERTIFIED AIR BALANCING. THE CERTIFICATION, SIGNED BY THE TECHNICIAN, MUST BE INCLUDED IN THE GENERAL CONTRACTOR CLOSING DOCUMENTS FOR THE STORE.
28. PROVIDE CONDENSATE DRAIN PIPING SIZED PER PLAN. PROVIDE TRAP FOR EACH ROOFTOP UNIT PER DETAIL ON PLANS. PIPE DRAIN TO GUTTER OR DOWNSPOUT PER PLAN.

HVAC LEGEND

SYMBOL	DESCRIPTION
10x8 8"ø	NEW RECTANGULAR OR ROUND DUCT
12"ø	FLEXIBLE DUCT
	SUPPLY AIR DUCTWORK UP THROUGH PLAN
	RETURN AIR DUCTWORK UP THROUGH PLAN
	EXHAUST AIR DUCTWORK UP THROUGH PLAN
	90° ELBOW WITH TURNING VANES
	MANUAL AIR VOLUME CONTROL DAMPER
	4 WAY SUPPLY DIFFUSER
	3 WAY SUPPLY DIFFUSER
	2 WAY OPPOSED SUPPLY DIFFUSER
	2 WAY CORNER SUPPLY DIFFUSER
	RETURN AIR DEVICE
	EXHAUST AIR DEVICE
	VAV PLAQUE FACE DIFFUSER
AC-X	AIR CURTAIN
LD-X	LINEAR SLOT DIFFUSER WITH PLENUM
T	TEMPERATURE SENSOR
TH	COMBINATION TEMPERATURE/HUMIDITY SENSOR
C	CO2 SENSOR
A / XXX CFM	TYPE MARK AIR FLOW (CFM)
RTU- #	MECHANICAL EQUIPMENT TAG
	CLEAN OUT
	CONDENSATE PIPING
EF-X	ROOF MOUNTED EXHAUST FAN
EF-X	INLINE EXHAUST FAN
RTU-X	PACKAGED ROOFTOP AIR CONDITIONER

ABBREVIATIONS

DB°F	DRY BULB DEGREES FAHRENHEIT	LD	LINEAR DIFFUSER
A/C	AIR CONDITIONING	L.P.	LOW PRESSURE
AC	AIR CURTAIN	MAX	MAXIMUM
A.F.F.	ABOVE FINISHED FLOOR	MBH	1000 BTU PER HOUR
BAS	BUILDING AUTOMATION SYSTEM	MCA	MINIMUM CIRCUIT AMPACITY
BTU	BRITISH THERMAL UNIT	MIN	MINIMUM
CD	CEILING DIFFUSER	MOCP	MAXIMUM OVER CURRENT PROTECTION
CFM	CUBIC FEET PER MINUTE	MPH	MILES PER HOUR
CO2	CARBON DIOXIDE	O.A.	OUTSIDE AIR
D	DIAMETER	O.C.	ON CENTER
EER	ENERGY EFFICIENCY RATIO	PVC	POLYVINYL CHLORIDE
EF	EXHAUST FAN	REQ'D	REQUIRED
FFH	FAN FORCED HEATER	RTU	PACKAGED ROOF TOP HVAC UNIT
G	GRILLE	SCH	SCHEDULE
G.C.	GENERAL CONTRACTOR	SEER	SEASONAL ENERGY EFFICIENCY RATIO
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SF	SQUARE FOOT
HP	HORSEPOWER	TYP.	TYPICAL
IEER	INTEGRATED ENERGY EFFICIENCY RATIO	V	VOLTS
IN.	INCHES WATER COLUMN	CO	CLEANOUT
LBS.	POUNDS	WB°F	WET BULB DEGREES FAHRENHEIT

RTU-1, 2, & 3 TEST AND BALANCE NOTES

1. TEST AND BALANCE CONTRACTOR TO OBTAIN INITIAL BALANCE OF COOLING CFM FOR RTU USING FAN SHEAVE ADJUSTMENT TO WITHIN +/- 5% SCHEDULED SUPPLY AIR CFM. PRODIGY CONTROLLER MAY BE USED FOR FINAL 5% TO OBTAIN SCHEDULED SUPPLY AIR CFM.
2. SET MINIMUM OUTSIDE AIR DAMPER POSITION FOR COOLING AND VERIFY OUTSIDE AIR CFM PER RTU SCHEDULE.
3. NOT USED
4. NOT USED
5. USING PRODIGY CONTROLLER, VERIFY HEATING CFM EQUALS COOLING CFM.
6. ALL PRODIGY CONTROLLER SETTINGS OTHER THAN THOSE MENTIONED ABOVE SHALL REMAIN AS THEIR DEFAULT VALUE AS SET FROM THE FACTORY.
7. VERIFY POSITIVE BUILDING PRESSURE.

LENNOX SETUP PARAMETERS / MID-ATLANTIC STORES (R3)

UNIT ID CONFIGURATION (MECHANICAL CONTRACTOR TO DEFINE / AS APPLICABLE):

- BACNET CONFIGURATION: GO TO SETTINGS>GENERAL>CONFIGURATION ID1 POSITION 5 SET TO "B"
- NETWORK CONFIGURATION: GOT TO SETUP>NETWORK INTEGRATION, SET TO BACNET
- CONTROL MODE: SET CONTROL MODE TO ROOM SENSOR: CO2, TEMP. & HUMIDITY TO "NO".
- ENTHALPY CONFIGURATION: CHANGE CONFIG ID1 POSITION 2 FROM D (DUAL ENTHALPY) TO S (SINGLE ENTHALPY)
- FRESH AIR COOLING: SETUP>TEST & BALANCE>DAMPER. SCROLL TO FRESH AIR COOLING SET TO "NO"
- FRESH AIR HEAT: SETUP>TEST & BALANCE>DAMPER. SCROLL TO FRESH AIR HEAT SET TO "NO"

INDIVIDUAL PARAMETER CONFIGURATIONS (MECHANICAL CONTRACTOR TO DEFINE / AS APPLICABLE):

- PARAMETER 105 DEHUMID MODE: 7 NO CONDITIONS
- PARAMETER 106 DEHUMID SETPOINT: 50, THIS IS A CENTERED SET POINT (+ / -)
- PARAMETER 107 DEHUMID DEADBAND: 3 (DEFAULT) THIS IS THE ACTUAL + / - VALUE
- PARAMETER 117 CO2 DAMPER MAX OPEN %: 50
- PARAMETER 118 CO2 START OPEN PPM: 1200
- PARAMETER 119 CO2 FULL OPEN PPM: 1500
- PARAMETER 131 FREECOOLMAX DAMPER: 100%
- PARAMETER 137 OCC HEAT SET POINT: 68 (BACK UP)
- PARAMETER 139 OCC COOLING SET POINT: 72 (BACK UP)
- PARAMETER 154 OCC BLOWER MODE: ON-CONTINUOUS 1
- PARAMETER 155 FREE COOL LOCK OUT SET POINT: 29 (DISABLED)
- PARAMETER 159 FREE COOL SUPPLY SET POINT: 55 (DEFAULT)
- PARAMETER 160 ECON FREE COOL SET POINT: 55 (DEFAULT)
- PARAMETER 161 ECON FREE COOL OFFSET: 10 (DEFAULT)
- PARAMETER 162 FREE COOL ENTHALPY SET POINT (SINGLE ENTHALPY): 19 MA (50% HUM + 60F)
- PARAMETER 163 ECON FREE COOL ENTHALPY OFFSET: 1 (DEFAULT)
- PARAMETER 164 ECONOMIZER PROFILE: 2 (DEFAULT)

CFM VALUES / MSAV FAN SPEEDS (AIR BALANCER TO DEFINE / IF APPLICABLE):

- HEAT CFM VALUE: PER THE HVAC SCHEDULE
- HIGH COOL CFM VALUE: PER THE HVAC SCHEDULE
- LOW COOL CFM VALUE: MATCH THE HIGH COOL CFM VALUE
- VENTILATION CFM VALUE: MATCH THE HIGH COOL CFM VALUE

HVAC AIR DEVICE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL	SERVICE	DESCRIPTION	MOUNTING TYPE	MATERIAL	NECK SIZE	FACE SIZE	NOTES
CD-1	PRICE	AMD	SUPPLY	LOUVERED FACE DIRECTIONAL DIFFUSER	LAY-IN	ALUMINUM	18"X18"	24"X24"	1,6
CD-2	PRICE	AMD	SUPPLY	LOUVERED FACE DIRECTIONAL DIFFUSER	SURFACE	ALUMINUM	12"X12"	NECK+5"	5,6
CD-3	PRICE	AMD	SUPPLY	LOUVERED FACE DIRECTIONAL DIFFUSER	SURFACE	ALUMINUM	9"X9"	NECK+5"	5,6
CD-4	PRICE	AMD	SUPPLY	LOUVERED FACE DIRECTIONAL DIFFUSER	SURFACE	ALUMINUM	6"X6"	NECK+5"	5,6
G-1	PRICE	630FF	RETURN/TRANSFER	LOUVERED FACE FILTER RETURN GRILLE	LAY-IN	ALUMINUM	20"x20"	NECK+3-3/4"	--
G-2	PRICE	630FF	RETURN/TRANSFER	LOUVERED FACE FILTER RETURN GRILLE	SURFACE	ALUMINUM	14"x14"	NECK+3-3/4"	4,7
G-3	PRICE	630FF	EXHAUST	LOUVERED FACE FILTER RETURN GRILLE	SURFACE	ALUMINUM	8"x8"	NECK+3-3/4"	4
G-5	PRICE	630FF	RETURN/TRANSFER	LOUVERED FACE FILTER RETURN GRILLE	LAY-IN	ALUMINUM	12"X12"	NECK+5"	--
LD-1	PRICE	TBD/4	SUPPLY	48" INSULATED PLENUM W/ (4) 1" SLOTS	LAY-IN	ALUMINUM	10" - 12"	N/A	--

NOTES:
--NO SUBSTITUTIONS PERMITTED--
1. FOR LAY-IN CEILINGS PROVIDE WITH 18"X18" FULL FACE APPEARANCE DIFFUSER NECK. PROVIDE WITH FACTORY SQUARE TO ROUND NECK ADAPTER MODEL "SR". ROUND NECK SIZE SHALL BE EQUAL TO FLEX SIZE SERVING DIFFUSER.
2. PROVIDE WITH PLENUM INTERNALLY LINED WITH COATED FIBERBOARD. EXTERNALLY INSULATE PLENUM UPON INSTALLATION WITH DUCT WRAP INSULATION.
3. PROVIDE WITH CENTER NOTCH OPTION (CN) AS REQUIRED WHEN USED IN 24" T-BAR CEILING.
4. "QR" STYLE (1/4 TURN FASTENERS ONLY) - OMIT HINGE. FILTER TYPE RETURN GRILLES PROVIDED SOLELY FOR MAINTENANCE PURPOSES. OMIT FILTER UPON INSTALLATION.
5. PROVIDE WITH TYPE 6 BEVELED SURFACE MOUNT FRAME AND FACTORY SQUARE TO ROUND NECK ADAPTER MODEL "SR".
6. PROVIDE WITH FACTORY BACKPAN INSULATION.
7. PROVIDE VOLUME DAMPER AT FACE OF GRILLE

HVAC AIR CURTAIN SCHEDULE

MARK	AREA SERVED	BASIS OF DESIGN				UNIT POWER		MOUNTING HEIGHT	NOTES
		MANUFACTURER	MODEL	NOZZLE CFM	HP	VOLTAGE	PHASE		
ARC-1	STAGING ROOM	POWERED AIRE	BCE-1-48	2155 CFM	0.5	120 V	1	7'-2"	1-4
ARC-2	REAR VESTIBULE	POWERED AIRE	BCE-1-48	2155 CFM	0.5	120 V	1	7'-2"	1-4

NOTES:
--NO SUBSTITUTIONS PERMITTED--
1. MOUNT INSIDE BUILDING ABOVE DOOR AT 7'-2" A.F.F. MOUNTING HEIGHT IS FROM BOTTOM OF AIR CURTAIN.
2. PROVIDE ALL NECESSARY MOUNTING BRACKETS AND ACCESSORIES.
3. PROVIDE WITH MODEL SM-300 COMMERCIAL MAGNETIC REED DOOR SWITCH.
4. AIR CURTAIN CONTROLLED BY MAGNETIC REED DOOR SWITCH, FAN ON WHEN DOOR IS OPEN.

HVAC EXHAUST FAN SCHEDULE

MARK	CFM	E.S.P.(WC)	FAN TYPE	DRIVE TYPE	SONES	MOTOR HP	FAN RPM	VOLTAGE	PHASE	BASIS OF DESIGN		NOTES
										MANUFACTURER	MODEL	
EF-1	400 CFM	0.250 in-wg	DOWNBLAST	DIRECT	6.5	1/12	1550	120 V	1	PENNBARRY	DX10R	1,2
EF-2	1400 CFM	0.250 in-wg	DOWNBLAST	DIRECT	9.5	1/3	1300	120 V	1	PENNBARRY	DX16S	1,2

NOTES:
--NO SUBSTITUTIONS PERMITTED--
1. PROVIDE WITH FACTORY DISCONNECT, FACTORY WIRED SOLID STATE SPEED CONTROLLER, 18" HIGH ROOF CURB WITH DAMPER TRAY, BACKDRAFT DAMPER, AND BIRD SCREEN.
2. WIRE FOR CONTINUOUS OPERATION.
3. PROVIDE WITH FACTORY DISCONNECT & FACTORY WIRED SOLID STATE SPEED CONTROLLER. FAN SHALL BE WIRED TO EMERGENCY SHUTOFF SWITCH PROVIDED BY OTHERS. REFERENCE ARCHITECTURAL AND ELECTRICAL DRAWINGS.

HVAC ELECTRIC HEATING UNIT SCHEDULE

MARK	CFM	FAN TYPE	VOLTAGE	PHASE	HEATING CAPACITY	BASIS OF DESIGN		NOTES
						MANUFACTURER	MODEL	
FFH-1	150 CFM	DOWNBLAST	120 V	1	1500 W	QMARK	EFF-1500	1-3
FFH-2	150 CFM	DOWNBLAST	120 V	1	1500 W	QMARK	EFF-1500	1-3
FFH-3	150 CFM	DOWNBLAST	120 V	1	1500 W	QMARK	EFF-1500	1-3

NOTES:
--NO SUBSTITUTIONS PERMITTED--
1. COORDINATE MOUNTING FRAME TYPE WITH ARCHITECTURAL DRAWINGS.
2. PROVIDE FACTORY ACCESSORIES AS REQUIRED FOR RECESSED CEILING INSTALLATION.
3. PROVIDE WITH INTERNAL DISCONNECT SWITCH, FACTORY FAN DELAY SWITCH, FACTORY HIGH TEMPERATURE CUTOUT SWITCH, AND INTEGRAL THERMOSTAT (EXCEPT OTHERWISE INDICATED ON PLANS).

HVAC ROOFTOP UNIT SCHEDULE

MARK	AREA SERVED	NOMINAL TONS	FAN DATA				GAS HEAT			UNIT POWER				WEIGHT (LBS. RTU ONLY)	MIN. UNIT NET COOLING CAPACITY					EER [IEER] (SEER)	BASIS OF DESIGN		NOTES
			SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	E.S.P. (IN.)	HP	INPUT MBH	OUTPUT MBH	CONTROL STAGES	VOLTAGE	PHASE	MCA	MOCP		TOTAL COOLING MBH	SENSIBLE COOLING MBH	EDB (°F)	EWB (°F)	AMBIENT (DB°F/WB°F)		MANUFACTURER & PRODUCT LINE	MODEL	
RTU-1	RETAIL	7.5	3000 CFM	600	1.0	3.75	130	104	2	208 V	3	46	50	1302	95.1	68.5	80	67	92/75	12.3[15.7]	LENNOX ENLIGHT	LGT092H4E	1-20
RTU-2	FOOD SERVICE	12.5	5000 CFM	950	1.0	3.75	N/A	N/A	N/A	208 V	3	64	80	1342	146.1	108.1	80	67	92/75	11.0[14.6]	LENNOX ENLIGHT	LCT150H4E	2-20
RTU-3	RETAIL/CHECKOUT	7.5	3000 CFM	600	1.0	3.75	130	104	2	208 V	3	46	50	1302	95.1	68.5	80	67	92/75	12.3[15.7]	LENNOX ENLIGHT	LGT092H4E	2-20

NOTES:
1. PROVIDE CO2 SENSOR FOR INTERLINK WITH BUILDING AUTOMATION SYSTEM.
2. PROVIDE LENNOX HUMIDITROL HOT GAS HEAT OPTION.
3. PROVIDE REMOTE WALL MOUNTED COMBINATION TEMPERATURE AND HUMIDITY PACKAGE.
4. PROVIDE HIGH/LOW PRESSURE SWITCH, OVERLOAD PROTECTION, FREEZE PROTECTION, LOSS OF CHARGE SWITCH AND ANTI-SHORT CYCLE TIMER.
5. REFER TO CONTROL SYSTEM NOTES FOR CONTROL COMPONENTS REQUIREMENTS.
6. PROVIDE THRU THE BASE ELECTRICAL AND SINGLE POINT CONNECTION.
7. PROVIDE WITH FACTORY 2" THROW AWAY PLEATED MERV 8 FILTERS.
8. PROVIDE WITH 18" ROOF CURB.
9. PROVIDE FACTORY 15 AMP GFCI SERVICE OUTLET WITH WEATHERPROOF COVER. COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE FIELD WIRING TO RECEPTACLE.
10. PROVIDE WITH FACTORY INSTALLED DISCONNECT.
11. PROVIDE WITH SINGLE ENTHALPY ECONOMIZER AND POWERED EXHAUST FAN.
12. PROVIDE MANUFACTURER'S MOTOR AND DRIVE PACKAGE AS REQUIRED TO MEET SCHEDULED AIR CAPACITIES AND PRESSURE DROP.
13. PROVIDE COROSSION RESISTANT, REVERSIBLE DRAIN PAN WITH OVERFLOW SWITCH.
14. PROVIDE BUILDING AUTOMATION SYSTEM (BAS) EQUIPMENT - REFER TO BAS SYSTEM MASTER SPEC FOR SYSTEM DETAILS AND EQUIPMENT PART NUMBERS.
15. PROVIDE FACTORY INSTALLED BACNET BAS INTERFACE WITH RETURN AIR SENSOR, OUTDOOR AIR SENSOR, DISCHARGE AIR SENSOR.
16. PROVIDE LENNOX DIRTY FILTER SWITCH.
17. PROVIDE HINGED ACCESS DOORS.
18. PROVIDE WITH FACTORY CONDENSATE PAN WATER LEVEL MONITORING DEVICE FOR COMPLIANCE WITH IMC, SECTION 307.2.3.
19. PROVIDE WITH FACTORY INSTALLED SUPPLY AND RETURN SMOKE DETECTORS. PROVIDE REMOTE TEST STATIONS (RTS).
20. PROVIDE EQUIPMENT OPERATIONS CHECK (EOC) AND GUIDE SETUP.

RTU-1, 2, & 3 SEQUENCE OF OPERATION

GENERAL: TEMPERATURE SETPOINT: 74°F COOLING, 68°F HEATING HUMIDITY SETPOINT: 50% RELATIVE HUMIDITY.

SUPPLY AIR BLOWER SPEED
UNIT HAS FOLLOWING SUPPLY AIR BLOWER SPEED SETTINGS THAT PERTAIN TO THIS INSTALLATION:
- COOLING AIR BLOWER SPEED
- HEATING AIR BLOWER SPEED

COOLING MODE
- Y1 DEMAND: COMPRESSOR 1 OPERATES AND SUPPLY AIR BLOWER OPERATES AT COOLING SPEED.
- Y2 DEMAND: ALL COMPRESSORS OPERATE AND SUPPLY AIR BLOWER OPERATES AT COOLING SPEED.

DEHUMIDIFICATION MODE
- IF THE UNIT RECEIVES A CALL FOR DEHUMIDIFICATION, ECONOMIZER FREE COOLING IS LOCKED OUT (ON UNITS EQUIPPED WITH ECONOMIZER).
- CALL FOR DEHUMIDIFICATION, NO Y1, Y2 DEMAND: 1ST STAGE COMPRESSOR OPERATES, SUPPLY AIR BLOWER OPERATES AT COOLING SPEED, AND THE REHEAT VALVE IS ENERGIZED.
- Y1 DEMAND WITH A CALL FOR DEHUMIDIFICATION: ALL COMPRESSORS OPERATE, SUPPLY AIR BLOWER OPERATES AT COOLING SPEED AND THE REHEAT VALVE IS ENERGIZED.
- Y2 DEMAND WITH A CALL FOR DEHUMIDIFICATION: ALL COMPRESSORS OPERATE, SUPPLY AIR BLOWER OPERATES ATCOOLING SPEED, AND THE REHEAT VALVE IS DE-ENERGIZED.

HEATING MODE (GAS HEAT)
- W1 DEMAND: 1ST STAGE GAS HEAT IS ENERGIZED AND THE SUPPLY AIR BLOWER OPERATES AT HEATING SPEED.
- W2 DEMAND: 2ND STAGE GAS HEAT IS ENERGIZED AND THE SUPPLY AIR BLOWER OPERATES AT HEATING SPEED.

MODULATING OUTDOOR AIR DAMPER
- THE MINIMUM DAMPER POSITION FOR "OCCUPIED HIGH BLOWER" IS ADJUSTED DURING UNIT SETUP TO PROVIDE MINIMUM FRESH AIR REQUIREMENTS PER RTU SCHEDULE.
- WHEN SUPPLY AIR BLOWER IS OFF, THE OUTDOOR AIR DAMPER IS CLOSED.
- WHEN UNIT IS IN OCCUPIED MODE AND SUPPLY AIR BLOWER IS OPERATING, THE OUTDOOR AIR DAMPER IS AT MINIMUM "HIGH BLOWER" POSITION.

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO
WAWA STORE #8216
25 STREET PIKE/UPPER SOUTHAMPTON TOWNSHIP
BUCKS COUNTY SOUTHAMPTON, PA 18966

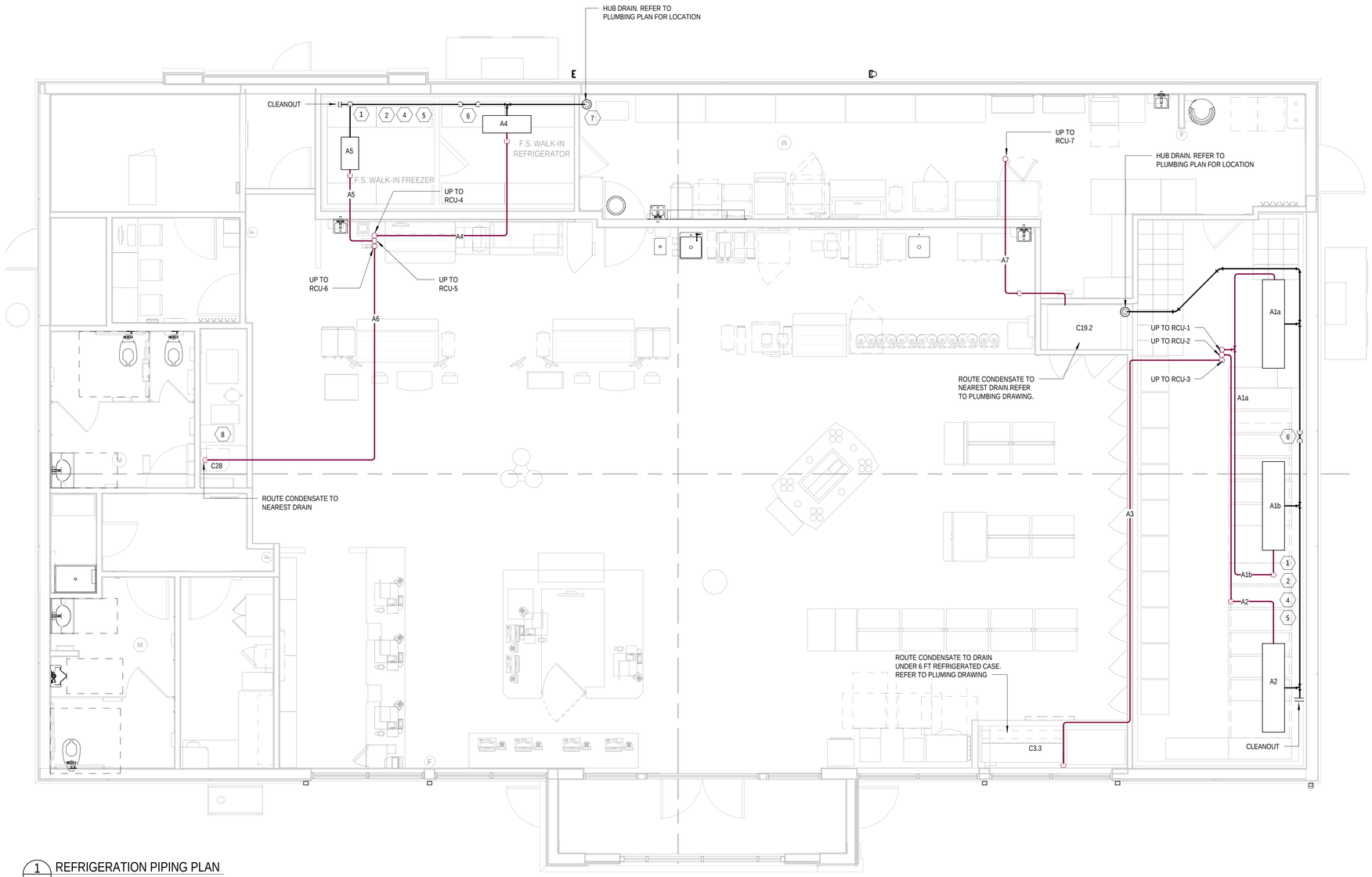
SHEET TITLE
HVAC NOTES & SCHEDULES

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

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1 R1.0 REFRIGERATION PIPING PLAN
NOT TO SCALE

SHEET NOTES

1. ROUTE CONDENSATE PIPING AS HIGH AS POSSIBLE, TIGHT TO WALL, AND COORDINATE WITH SHELVING. SLOPE 1" PER 8'-0" HORIZONTAL DISTANCE.
2. 1" CONDENSATE LINE UP TO EVAPORATOR DRAIN CONNECTION, CONNECT PER MANUFACTURER INSTRUCTIONS AND RECOMMENDATIONS. REF 5-R1.0
3. NOT USED.
4. ALL CONDENSATE PIPING LOCATED WITHIN FREEZER AND BEER CAVE SHALL BE INSULATED WITH HEAT TRACE. COORDINATE WITH ELECTRICAL CONTRACTOR.
5. REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL ALL CONDENSATE DRAIN LINES ASSOCIATED WITH REFRIGERATION EQUIPMENT.
6. PROVIDE TRAP ON CONDENSATE LINE OUTSIDE OF FREEZER BOX.
7. ROUTE CONDENSATE PIPE THROUGH INSULATED WALL PANEL OF COOLER BOX AND DOWN TO HUB DRAIN . PROVIDE TRAP OUTSIDE OF COOLER BOX AND TERMINATE DRAIN WITH APPROVED AIR GAP.
8. REFRIGERATION LINESET CONCEALED IN WALL TO ICE MAKER BELOW.

GENERAL NOTES

1. PROVIDE 1" CONDENSATE DRAIN PIPE FROM EACH UNIT COOLER TO DRAIN LINE PROVIDED BY PLUMBING. SEE PLUMBING DRAWINGS FOR LOCATION. REFER TO SPECIFICATION FOR PIPE COPPER TYPE.
2. ICE MAKER AND DISPLAY UNIT RSL & RLL PIPING RUNS ARE SHOWN FOR COORDINATION PURPOSES ONLY. EQUIPMENT IS BY OTHERS. RSL & RLL LOCATIONS AND SIZING SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
3. EXACT LOCATION AND LENGTH OF RSL & RLL PIPING RUNS TO EQUIPMENT SHALL BE DETERMINED IN FIELD. FINAL SIZES TO BE DETERMINED BY FINAL ROUTING.
4. ALL TUBING REFRIGERANT LINES SHALL BE TYPE L HARD DRAWN OR TYPE L SOFT DRAWN COPPER ASTM B280, REFRIGERANT GRADE. BRAIDED LINE SETS SHALL ONLY BE PERMITTED AS SHOWN ON PLANS.
5. ALL REFRIGERANT LINE SETS SHALL BE INSULATED WITH ARMCELL AP ARMAFLEX TUBE INSULATION TO THE THICKNESS AS SHOWN ON THE INSULATION THICKNESS SCHEDULE ON SHEET R2.0.
6. REFRIGERATION CIRCUITS ARE SHOWN AS ONE (1) LINE ON PLANS BUT CONSIST OF BOTH LIQUID AND SUCTION LINES.
7. REFRIGERATION DRAWINGS ARE PROVIDED AS AN AID TO BIDDING AND TO INDICATE DESIRED ROUTING OF REFRIGERATIONLINES. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR CORRECT INSTALLATION OF PIPING AND ACCESSORIES TO PROVIDE A COMPLETE AND FULLY OPERATING SYSTEM.
8. REFRIGERATION CIRCUITS ARE SHOWN AS ONE (1) LINE ON PLANS BUT CONSIST OF BOTH LIQUID AND SUCTION LINES.
9. PROVIDE INTERMEDIATE SUCTION LINE TRAP IN WALL OR VOID SPACE AT THE MIDPOINT OF A SUCTION LINE DROP WHICH EXCEEDS 16 FT. REFER TO SUCTION LINE TRAP DETAIL ON THIS SHEET.
10. AT ALL POINTS WHERE SUCTION LINES RISE 48" OR MORE, PROVIDE A SHORT RADIUS SUCTION LINE TRAP AT THE BASE OF THE RISER.
11. DEFROST KITS SHALL BE FIELD INSTALLED.

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SHEET TITLE
REFRIGERATION PIPING PLAN

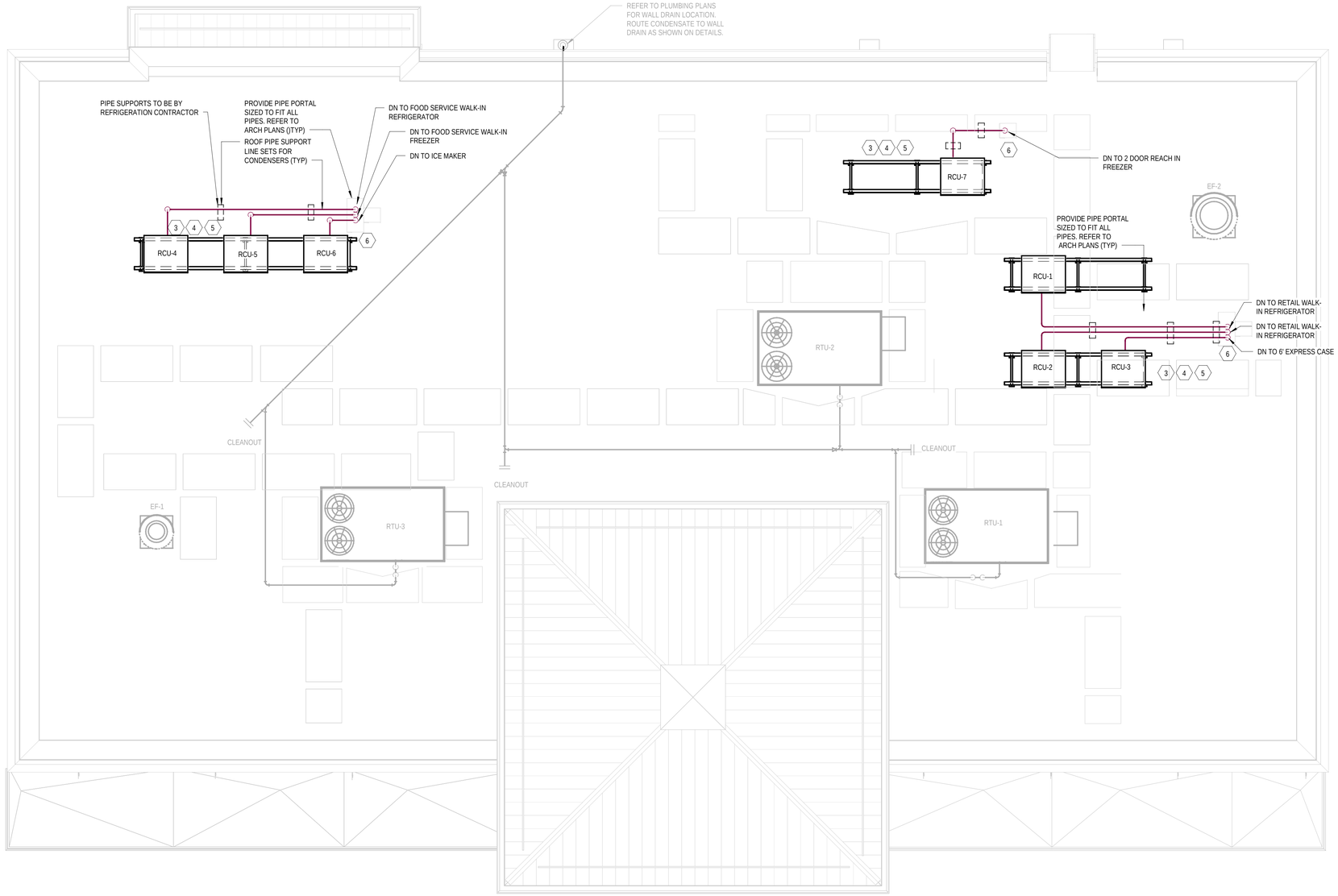
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Wawa

R1.0



1 R2.0 REFRIGERATION ROOF PLAN
NOT TO SCALE

SHEET NOTES

1. NOT USED.
2. QUANTITY OF ROOFTOP CONDENSERS TO REFLECT NUMBER OF ICE MAKERS SHOWN ON EQUIPMENT PLAN. ADD CONDENSER IF MORE THAN ONE CONDENSER IS REQUIRED. REFER TO EQUIPMENT PLAN AND COORDINATE WITH WAWA.
3. CONTRACTOR SHALL REVIEW ELECTRICAL POWER REQUIREMENTS FOR MECHANICAL EQUIPMENT THAT ARE SCHEDULED ON THE ELECTRICAL DRAWINGS AND VERIFY THAT THEY MATCH PRIOR TO ORDERING EQUIPMENT. DO NOT PURCHASE MOTORS OR ELECTRICAL EQUIPMENT UNTIL POWER CHARACTERISTICS AVAILABLE AT BUILDING HAVE BEEN CONFIRMED BY CONTRACTOR.
4. INSTALLATION OF EQUIPMENT SHALL COMPLY WITH EQUIPMENT MANUFACTURER'S INSTALLATION AND CLEARANCE REQUIREMENTS TO ALLOW FOR INSPECTION, SERVICE, REPAIR OR REPLACEMENT.
5. AIR-COOLED CONDENSING UNITS ON PRE-ENGINEERED EQUIPMENT RACK.
6. REFRIGERATION AND ELECTRICAL PIPE PORTAL HOODS SEALED BY REFRIGERATION CONTRACTOR. SEAL OPENING WEATHER TIGHT UPON INSTALLATION OF REFRIGERATION LINESETS AND ANY ASSOCIATED ELECTRICAL CONDUIT TO CONDENSING UNITS ON ROOF.

GENERAL NOTES

1. ALL EQUIPMENT RACKS AND SUPPORTS BY OTHERS.
2. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S GUIDELINES AND INSTALLATION CLEARANCES.
3. REFER TO ARCH DWGS FOR EQUIPMENT RACK DETAIL.
4. REFER T0 MANUFACTURER'S LITERATURE FOR CLEARANCE REQUIREMENTS.
5. REFRIGERANT LIQUID AND SUCTION PIPING SHALL BE SIZED BY EQUIPMENT MANUFACTURER (TYPICAL).
6. ICE MAKER REMOTE ACCU IS SHOWN FOR COORDINATION PURPOSES ONLY. EQUIPMENT IS BY OTHERS. RSL & RLL PIPING AND SIZING SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. ALL TUBING REFRIGERANT LINES SHALL BE TYPE L HARD DRAWN OR TYPE L SOFT DRAWN COPPER ASTM B280, REFRIGERANT GRADE. BRAIDED LINE SETS SHALL ONLY BE PERMITTED AS SHOWN ON PLANS.
8. ALL REFRIGERANT LINE SETS SHALL BE INSULATED WITH ARMCELL AP ARMAFLEX TUBE INSULATION TO THE THICKNESS AS SHOWN ON THE INSULATION SCHEDULE ON THIS SHEET.
9. REFRIGERATION DRAWINGS ARE PROVIDED AS AN AID TO BIDDING AND TO INDICATE DESIRED ROUTING OF REFRIGERATION LINES. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR CORRECT INSTALLATION OF PIPING AND ACCESSORIES TO PROVIDE A COMPLETE AND FULLY OPERATING SYSTEM.
10. ALL FOOD SERVICE REFRIGERATION EQUIPMENT SHALL BE MOUNTED ON PRE-ENGINEERED RACK. SEE DETAIL ON SHEET A3.0.
11. PIPE SUPPORTS SHALL BE PROVIDED BY REFRIGERATION CONTRACTOR.

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SHEET TITLE
REFRIGERATION ROOF PLAN

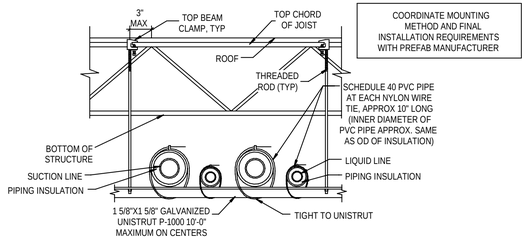
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
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REV C - REVISED IFC SET	04/18/2025

PROTOTYPE
U45FB MIRROR PROTO 2025.Q1
PROJECT NO.
60099812
DRAWN
Author
CHECKED
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8216
UPPER SOUTHAMPTON, PA

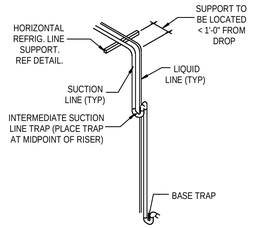
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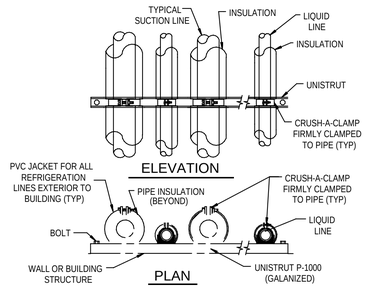


NOTE:
FOR OVERHEAD LINES, UNISTRUT HORIZONTAL, TRAPEZE HUNG
FOR PIPING BEHIND CASES, UNISTRUT VERTICAL, WALL MOUNTED

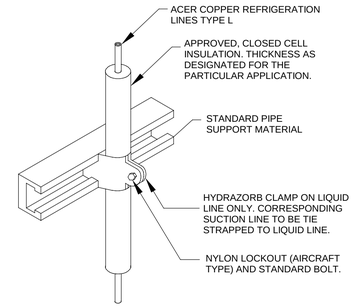
1 R3.0 REFRIGERANT LINE TRAPEZE HANGER
NOT TO SCALE



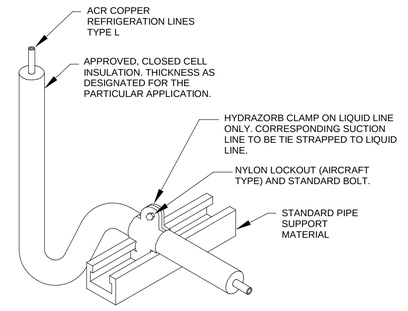
2 R3.0 SUCTION LINE TRAP DETAIL
NOT TO SCALE



3 R3.0 VERTICAL REFRIGERATION LINE SUPPORT
NOT TO SCALE



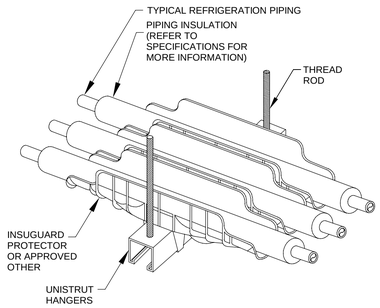
RISER LINE CLAMPING

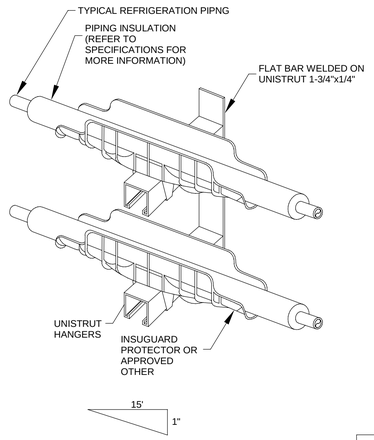


BASE OF RISER CLAMPING (WHERE REQUIRED)

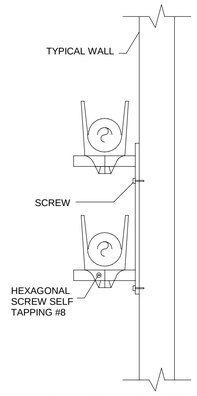
NOTE: THE DETAILS SHOWN ABOVE DO NOT DEPICT ANY SEISMIC SUPPORT INFORMATION. PROVIDE SEISMIC EQUIPMENT SUPPORT IN ACCORDANCE WITH APPLICABLE CODES AND MANUFACTURERS RECOMMENDATIONS.

4 R3.0 REFRIGERATION CLAMP DETAILS
NOT TO SCALE





TPY. HORIZONTAL INSTALLATION DETAIL REFRIGERANT PIPING PROTECTOR

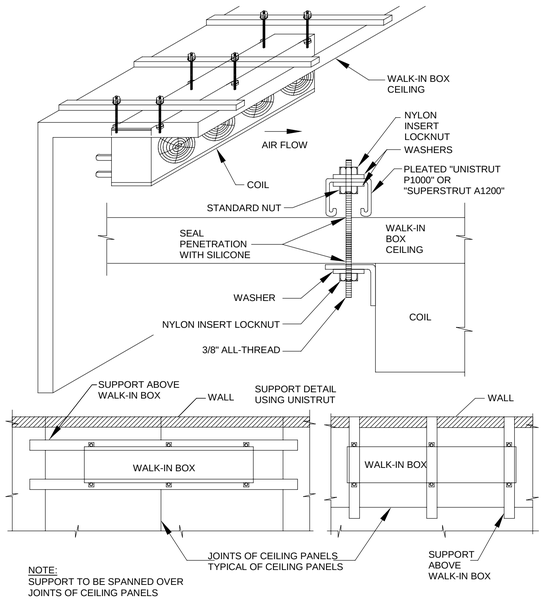


TYPICAL WALL MOUNTING DETAIL REFRIGERANT PIPING PROTECTOR

1. ALL DIRECTIONAL CHANGES IN REFRIGERATION PIPING SHALL INCORPORATE PRE-FORMED INSULATION
2. THE DETAILS SHOWN ABOVE DO NOT DEPICT ANY SEISMIC SUPPORT INFORMATION. PROVIDE SEISMIC EQUIPMENT SUPPORT IN ACCORDANCE WITH APPLICABLE CODES AND MANUFACTURERS RECOMMENDATIONS.

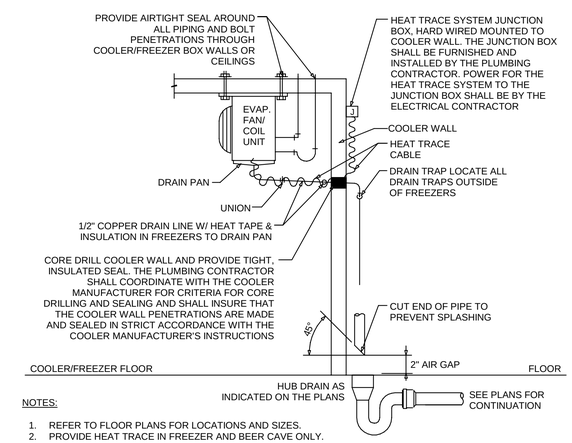
SUPPORT INTERVAL SCHEDULE	
REFRIGRATION PIPE SIZE	MAXIMUM INTERVAL
UP TO 7/8"	5'-0"
1 1/8" TO 1 5/8"	8'-0"
2 1/8" TO 2 5/8"	10'-0"

5 R3.0 REFRIGERATION PIPING DETAILS
NOT TO SCALE



NOTE:
SUPPORT TO BE SPANNED OVER JOINTS OF CEILING PANELS

6 R3.0 COIL SUPPORT DETAIL
NOT TO SCALE



NOTES:
1. REFER TO FLOOR PLANS FOR LOCATIONS AND SIZES.
2. PROVIDE HEAT TRACE IN FREEZER AND BEER CAVE ONLY.

7 R3.0 FREEZER/COOLER DRAIN PIPING DETAIL
NOT TO SCALE

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AECOM Services of PA, Inc.
300 BROADACRES DRIVE 250
BLOOMFIELD,NEW JERSEY 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO 2025.Q1
WAWA STORE #8216
25 STREET PIKE,UPPER SOUTHAMPTON TOWNSHIP
BUCKS COUNTY SOUTHAMPTON, PA 18966

SHEET TITLE
REFRIGERATION DETAILS 1

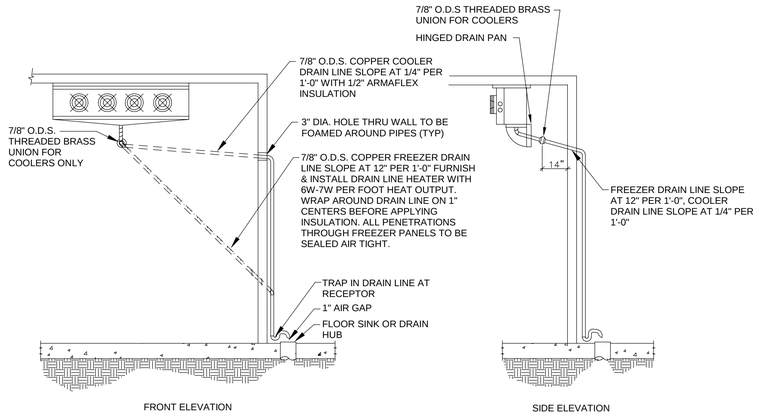
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PROTOTYPE
U45FB MIRROR PROTO 2025.Q1
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Checker

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UPPER SOUTHAMPTON, PA

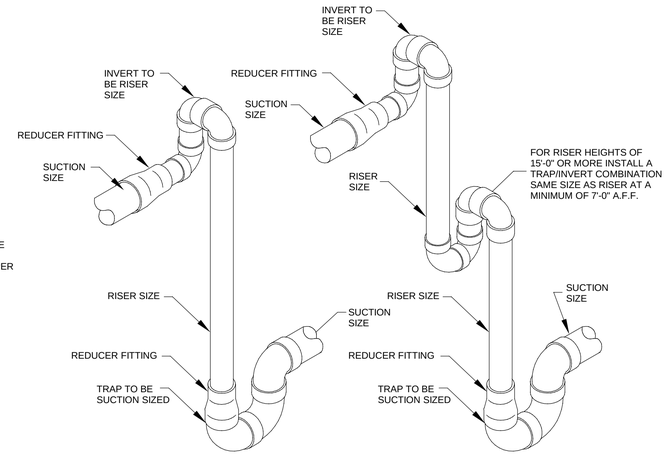
Wawa

R3.0



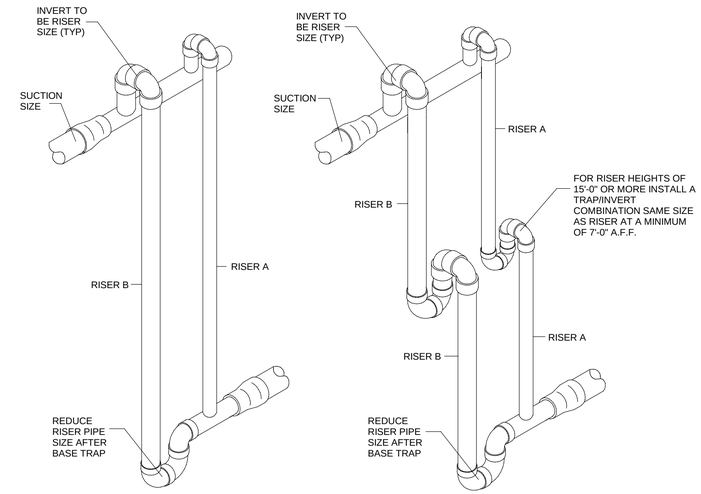
NOTE: ALL COIL DRAIN PIPING, INSULATION AND HEAT TAPE TO BE PROVIDED AND INSTALLED BY REFRIGERATION CONTRACTOR

1 COOLER/FREEZER CONDENSATE DRAIN PIPING
R3.1 NOT TO SCALE



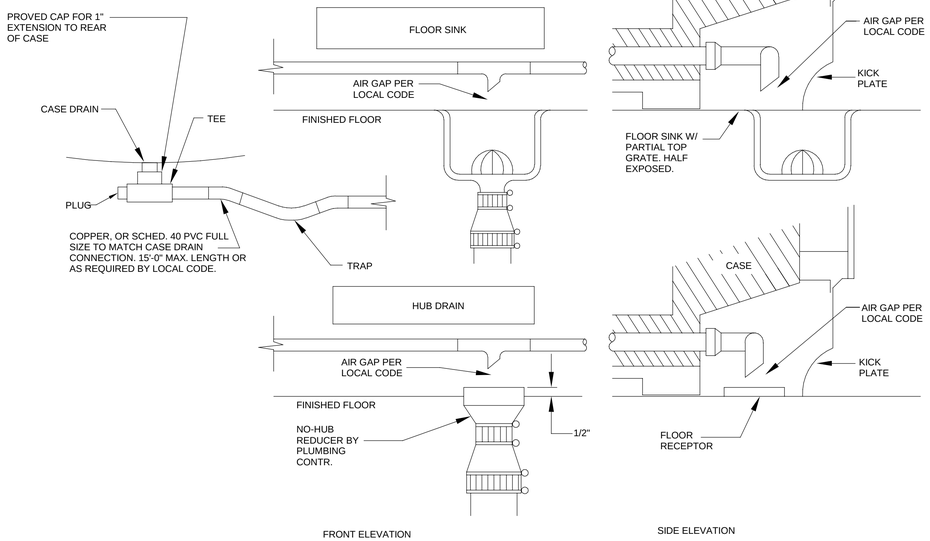
NOTES:
1. FITTED TRAPS SHALL BE SUCTION SIZE. ONE PIECE FIELD SHAPED TRAPS SHALL BE RISER SIZE

2 SINGLE RISER DETAILS
R3.1 NOT TO SCALE



NOTES:
1. WHERE VERTICAL SUCTION RISER ARE SCHEDULED THE SMALLER SIZE IS DESIGNED 'A' AND THE LARGER SIZE 'B'
2. FOR FURTHER PIPING CLARIFICATION SEE TYPICAL TRAP AND INVERT DETAIL

3 DOUBLE RISER DETAILS
R3.1 NOT TO SCALE



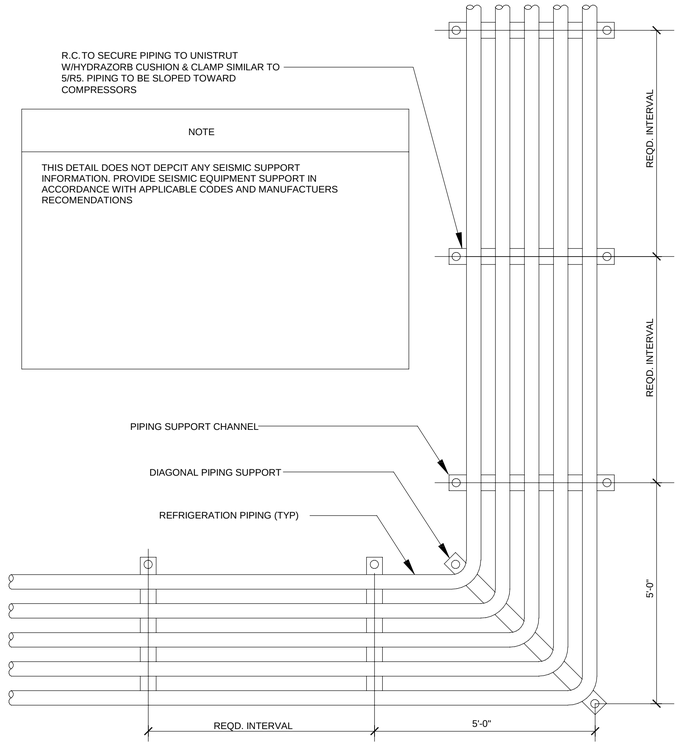
4 CASE DRAIN PIPING
R3.1 NOT TO SCALE

SUPPORT INTERVAL SCHEDULE	
COPPER TUBING PIPE SIZE	MAXIMUM INTERVAL
UP TO 7/8"	5'-0"
1-1/8" TO 1-5/8"	8'-0"
2-1/8" TO 2-5/8"	10'-0"
3-1/8" TO 3-5/8"	12'-0"
4-1/8"	12'-0"
VERTICAL SPACING (ALL SIZES)	10'-0"

NOTES:
SMALLEST LINE SHALL DETERMINE SUPPORT INTERVAL

NOTE

THIS DETAIL DOES NOT DEPCIT ANY SEISMIC SUPPORT INFORMATION. PROVIDE SEISMIC EQUIPMENT SUPPORT IN ACCORDANCE WITH APPLICABLE CODES AND MANUFACTUERS RECOMENDATIONS



5 REFRIGERATION PIPE SUPPORT DETAILS
R3.1 NOT TO SCALE

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300 BROADACRES DRIVE 250
BLOOMFIELD,NEW JERSEY 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO 2025.Q1
WAWA STORE #8216
25 STREET PIKE UPPER SOUTHAMPTON TOWNSHIP
BUCKS COUNTY, SOUTHAMPTON, PA 18966

SHEET TITLE
REFRIGERATION DETAILS 2

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ISSUED FOR PERMIT	03/15/2024
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REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE: U45FB MIRROR PROTO 2025.Q1
PROJECT NO. 60099812
DRAWN Author
CHECKED Checker

8216
UPPER SOUTHAMPTON, PA

Wawa

R3.1

EVAPORATOR SCHEDULE

MARK	CIRCUIT	AREA SERVED	MANUFACTURER	MODEL #	AIRFLOW (CFM)	DEVELOPED LENGTH (FT)	CAPACITY (BTU/HR)	PIPE SIZE (IN)		CONNECTION SIZE (IN)		REFRIGERANT TYPE	VOLTAGE	MCA	MOCP
								LIQUID	SUCTION	LIQUID	SUCTION				
A1a	A1a	9-DOOR WALK-IN COOLER	TRENTON	TPLP317MASS1DR8-ESP	21,115	--	17,440	---	---	3/8"	1-1/8"	R448a	115/1/60	4.3	15
A1b	A1b	9-DOOR WALK-IN COOLER	TRENTON	TPLP317MASS1DR8-ESP	21,115	--	17,440	---	---	3/8"	1-1/8"	R448a	115/1/60	4.3	15
A2	A2	9-DOOR WALK-IN COOLER	TRENTON	TPLP317MASS1DR8-ESP	21,115	--	17,440	---	---	3/8"	1-1/8"	R448a	115/1/60	4.3	15
C3.4	A3	6FT REFRIGERATED CASE	---	---	---	55.5	8,900	---	---	3/8"	7/8"	R448a	120/1/60	0.97	20
A4	A4	FOOD SERVICE REFRIGERATOR	TRENTON	TPLP211MAS1DR8-ESP	1410	74.5	11,100	---	---	3/8"	7/8"	R448a	115/1/60	2.3	15
A5	A5	FOOD SERVICE FREEZER	TRENTON	TPLP211VES2DR8-ESP	1360	64	9,100	---	---	3/8"	7/8"	R448a	208-230/1/60	10.3	15
C28	A6	ICE MAKER	---	---	---	--	--	---	---	---	---	--	--	--	--
C19	A7	2-DOOR REACH IN	---	---	---	--	--	---	---	---	---	R448a	--	--	--

GENERAL NOTES (APPLIES TO ALL UNITS):

1. VERIFY REFRIGERANT PIPING SIZING PER MANUFACTURER'S RECOMMENDATIONS AND BASED ON FIELD CONDITIONS.
2. ALL WALK-IN COOLER AND FREEZER EQUIPMENT TO BE TRENTON. CONTACT: BRETT GODIN (BGODIN@URI.COM, 704-832-9396)
3. ALL EVAPS SHALL BE ESP+ STYLE WITH K2 CONTROLLERS.
4. ALL REFRIGERANT PIPING IS TO BE HARD PIPED. SOFT COPPER PIPING IS ACCEPTABLE FOR ICE MAKER ONLY. COORDINATE PIPING AND HOODS WITH ALL DISCIPLINES.
5. INSTALLING CONTRACTOR TO PROVIDE INSULATION, REFRIGERATION PIPES, EVAPS AND CONDENSERS.
6. INSTALLING CONTRACTOR TO PROVIDE AND INSTALL CONDENSATE PLUMBING.
7. PROVIDE CONDENSATE TRAP FOR FREEZERS OUTSIDE OF FREEZER BOXES.
8. DISCONNECT TO BE PROVIDED BY ELECTRICAL SUBCONTRACTOR.

RECOMMENDED LINE SIZES FOR R-448A

SYSTEM CAPACITY BTUH	SUCTION LINE SIZE																				LIQUID LINE SIZE			
	SUCTION TEMPERATURE																				RECEIVER TO EXPANSION VALVE EQUIVALENT LENGTHS			
	+20°F EQUIVALENT LENGTHS				+10°F EQUIVALENT LENGTHS				10°F EQUIVALENT LENGTHS				-20°F EQUIVALENT LENGTHS				-30°F EQUIVALENT LENGTHS							
	25'	50'	100'	150'	25'	50'	100'	150'	25'	50'	100'	150'	25'	50'	100'	150'	25'	50'	100'	150'	25'	50'	100'	150'
12,000	5/8	7/8	7/8	7/8	5/8	7/8	7/8	7/8	7/8	7/8	7/8	1-1/8	5/8	7/8	7/8	7/8	5/8	7/8	7/8	7/8	3/8	3/8	3/8	3/8
15,000	5/8	7/8	7/8	7/8	7/8	7/8	7/8	1-1/8	7/8	7/8	1-1/8	1-1/8	5/8	7/8	7/8	7/8	7/8	7/8	7/8	1-1/8	3/8	3/8	3/8	3/8
18,000	7/8	7/8	7/8	1-1/8	7/8	7/8	1-1/8	1-1/8	7/8	7/8	1-1/8	1-1/8	7/8	7/8	7/8	1-1/8	7/8	7/8	1-1/8	1-1/8	3/8	3/8	3/8	1/2
24,000	7/8	7/8	1-1/8	1-1/8	7/8	1-1/8	1-1/8	1-1/8	7/8	1-1/8	1-1/8	1-1/8	7/8	7/8	1-1/8	1-1/8	7/8	1-1/8	1-1/8	1-1/8	3/8	1/2	1/2	1/2
30,000	7/8	7/8	1-1/8	1-1/8	7/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	7/8	7/8	1-1/8	1-1/8	7/8	1-1/8	1-1/8	1-1/8	3/8	1/2	1/2	1/2

1. SIZES THAT ARE HIGHLIGHTED INDICATE MAXIMUM SUCTION LINES THAT SHOULD BE USED FOR RISERS. RISER SIZE SHOULD NOT EXCEED HORIZONTAL SIZE. PROPERLY PLACED SUCTION TRAPS MUST ALSO BE USED FOR ADEQUATE OIL RETURN. ALL SIZES SHOWN ARE FOR O.D. TYPE L COPPER TUBING.
2. SUCTION LINE SIZES SELECTED AT PRESSURE DROP EQUIVALENT TO 2°F. REDUCE ESTIMATE OF SYSTEM CAPACITY ACCORDINGLY.
3. RECOMMENDED LIQUID LINE SIZE MAY INCREASE WITH REVERSE CYCLE HOT GAS SYSTEMS.
4. IF SYSTEM LOAD DROPS BELOW 40% OF DESIGN, CONSIDERATION TO INSTALLING DOUBLE SUCTION RISERS SHOULD BE MADE.
5. RECOMMENDED PIPE SIZES FOR 25', 50', 100' AND 150'.
6. CHART ADAPTED FROM TABLES 9 AND 9a OF HEARCRAFT REFRIGERATION BROCHURE H-IM-CU-00118 CONDENSING UNITS.

AIR COOLED CONDENSING UNIT SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL #	CAPACITY (MBH)	PIPE CONNECTION SIZE		REFRIGERANT TYPE	VOLTAGE	MCA	MOCP	WEIGHT (LB)
					LIQUID	SUCTION					
RCU-1	9-DOOR WALK-IN COOLER	TRENTON	TEZA040H8-HT3D	36.9	1/2"	1-1/8"	R-448a	208-230/3/60	27.7	45	420
RCU-2	9-DOOR WALK-IN COOLER	TRENTON	TEZA020H8-HT3D	17.2	3/8"	7/8"	R-448a	208-230/3/60	14.4	25	300
RCU-3	6FT REFRIGERATED CASE	TRENTON	TEZA010H8-HT3D	11.1	3/8"	5/8"	R-448a	208-230/3/60	11.1	15	200
RCU-4	FOOD SERVICE REFRIGERATOR	TRENTON	TEZA011H8-HT3D	11.7	3/8"	5/8"	R-448a	208-230/3/60	14.1	20	285
RCU-5	FOOD SERVICE FREEZER	TRENTON	TEZA025L8-HT3D	9.1	3/8"	7/8"	R-448a	208-230/3/60	13.1	20	335
RCU-6	ICE MAKER	FOLLETT	01035203	13.0	---	---	---	208-230/1/60	29.9	50	340
RCU-7	2-DOOR REACH IN	TRENTON	TEZA008L8-HT3C	2.9	3/8"	5/8"	R-448a	208-230/3/60	5.6	15	205

GENERAL NOTES (APPLIES TO ALL CONDENSING UNITS):

1. ALL WALK-IN AND REMOTE CONDENSERS TO BE TRENTON. CONTACT: BRETT GODIN (BGODIN@URI.COM, 704-832-9396)
2. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS BASED ON FIELD CONDITIONS.
3. PROVIDE LIQUID LINE FILTER + SIGHT GLASS, TQUICKVAC VALVES, AND SUCTION ACCUMULATOR.
4. PROVIDE TRENTON OPTION PACKAGE SMALL B.
5. PIPE DROPS MUST BE INSTALLED IN AN ACCESSIBLE LOCATION.
6. ALL REFRIGERANT PIPING IS TO BE HARD PIPED. SOFT COPPER PIPING IS ACCEPTABLE FOR ICE MAKER ONLY. COORDINATE PIPING AND PIPE HOODS WITH DUCTWORK AND OTHER DISCIPLINES.
7. INSTALLING CONTRACTOR TO PROVIDE INSULATION, REFRIGERATION PIPES, EVAPS AND CONDENSERS.
8. INSTALLING CONTRACTOR TO SEAL PIPE PORTAL HOOD UPON COMPLETE INSTALLATION OF REFRIGERATION SYSTEMS.
9. GC TO PROVIDE EQUIPMENT RACKS AND PIPE PORTAL HOODS.

EQUIVALENT FEET OF PIPE DUE TO VALVE AND FITTING FRICTION

COPPER TUBE, O.D., TYPE "L"	1/2	5/8	7/8	1-1/8	1-3/8	1-5/8	2-1/8	2-5/8	3-1/8	3-5/8	4-1/8	5-1/8	6-1/8
GLOBE VALVE (OPEN)	14	16	22	28	36	42	57	69	83	99	118	138	168
ANGLE VALVE (OPEN)	7	9	12	15	18	21	28	34	42	49	57	70	83
90° TURN THROUGH TEE	3	4	5	6	8	9	12	14	17	20	22	28	34
TEE (STRAIGHT THROUGH) OR SWEEP BELOW	0.75	1	0.15	2	2.5	3	3.5	4	5	6	7	9	11
90° ELBOW OR REDUCING TEE (STRAIGHT THROUGH)	1	2	2	3	4	4	5	7	8	10	12	14	16

INSULATION THICKNESS BASED ON SEVERE DESIGN CONDITIONS*	LINE TEMPERATURE		
	35°F (2°C)	0°F (-18°C)	-20°F (-29°C)
3/8" ID THROUGH 1-1/8" ID	NOM 1"	NOM 1-1/2"	NOM 1-1/2"
OVER 1-5/8" ID THROUGH 3-5/8" ID	NOM 1"	NOM 1-1/2"	NOM 1-3/4"
OVER 3-5/8" ID THROUGH 6" IPS	NOM 1"	NOM 1-1/2"	NOM 2"

NOTES:
*BASED ON SEVERE DESIGN CONDITIONS OF 90°F AND 80% RH.

INSULATION THICKNESS BASED ON NORMAL DESIGN CONDITIONS*	LINE TEMPERATURE		
	35°F (2°C)	0°F (-18°C)	-20°F (-29°C)
3/8" ID THROUGH 1-1/8" ID	NOM 1/2"	NOM 3/4"	NOM 1"
OVER 1-1/8" ID THROUGH 2-1/8" ID	NOM 1/2"	NOM 1"	NOM 1"
OVER 2-1/8" ID THROUGH 2-5/8" ID	NOM 1/2"	NOM 1"	NOM 1-1/4"
OVER 2-5/8" ID THROUGH 6" IPS	NOM 3/4"	NOM 1"	NOM 1-1/4"

NOTES:
*BASED ON NORMAL DESIGN CONDITIONS OF 85°F AND 70% RH.

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300 BROADACRES DRIVE 250
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BUCKS COUNTY SOUTHAMPTON, PA-18966

SHEET TITLE
REFRIGERATION SCHEDULES

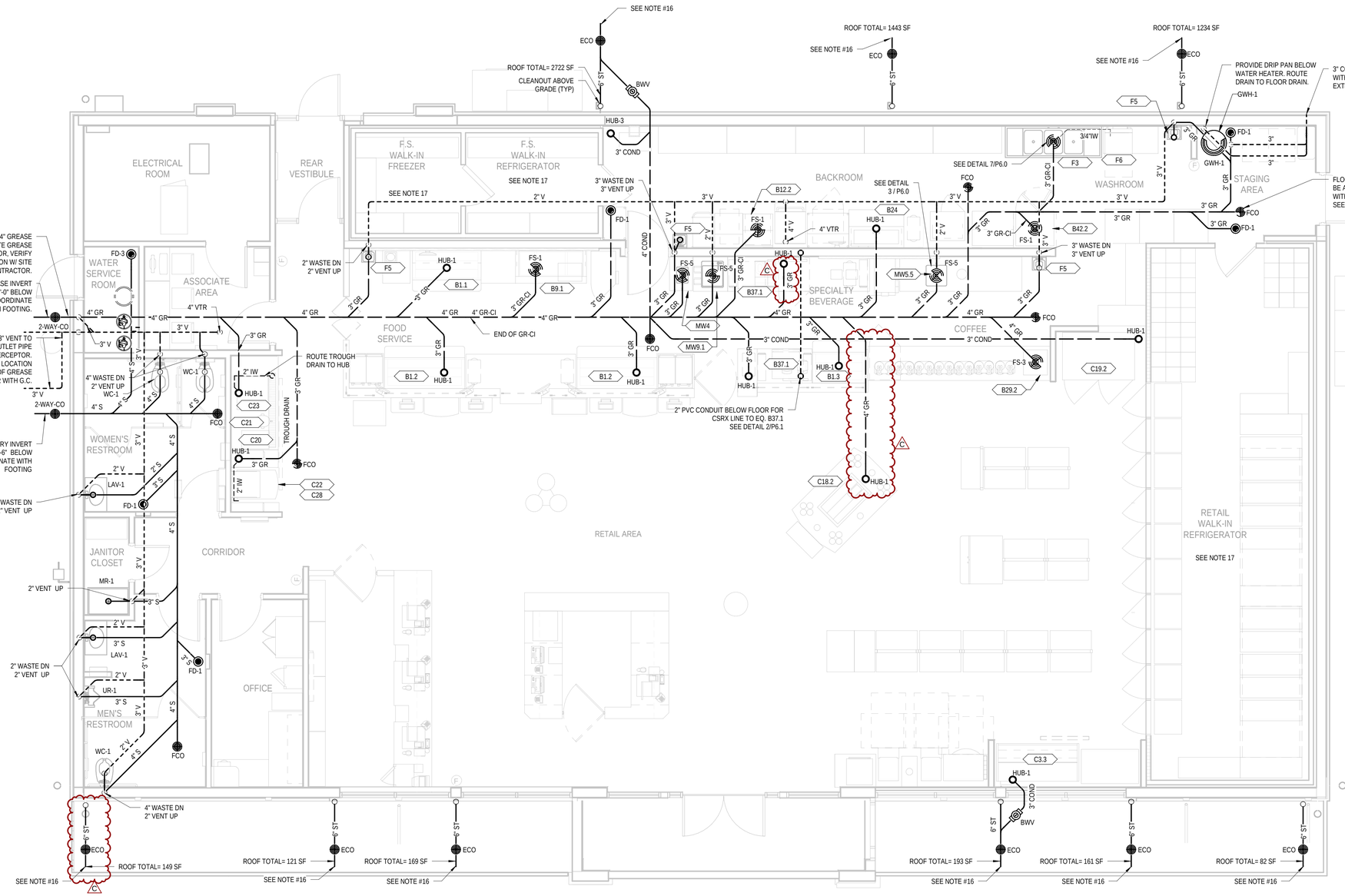
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Wawa

R4.0



1 PLUMBING SANITARY PLAN
P1.0 1/4" = 1'-0"

GENERAL NOTES:

GENERAL PLUMBING NOTES

1. PLUMBING CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, SERVICES, AND PERFORM ALL OPERATIONS AS REQUIRED TO COMPLETE THE PLUMBING CONSTRUCTION WORK FOR THIS PROJECT. WORK NOT SPECIFICALLY COVERED OR HAVING MINOR DETAILS OBVIOUSLY OMITTED, BUT NECESSARY TO COMPLETE ANY PART OF THE INSTALLATION, SHALL BE PROVIDED WITHOUT EXTRA COST TO OWNER.
2. INSTALLATION SHALL CONFORM TO APPLICABLE LAWS, CODES, AND REGULATIONS OF THE LOCAL MUNICIPALITY, STATE AND FEDERAL AUTHORITIES AND THE LATEST ADOPTED VERSION OF THE INTERNATIONAL PLUMBING CODE.
3. PLUMBING CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, APPROVALS, AND PAY ALL RELATED FEES AS REQUIRED BY MUNICIPALITY, AS WELL AS PROVIDING ALL TESTS FOR SYSTEM ACCEPTANCE AND APPROVAL.
4. PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH MECHANICAL, ELECTRICAL, STRUCTURAL AND GENERAL CONTRACTORS AS REQUIRED TO ELIMINATE FIELD CONFLICTS. SPECIFICALLY COORDINATE UNDERGROUND PIPING WITH CONDUIT.
5. DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ARCHITECTS/ENGINEERS ATTENTION IMMEDIATELY.
6. PLUMBING CONTRACTOR SHALL PROVIDE ALL FIXTURES, FAUCETS AND FLOOR DRAINS AS SPECIFIED ON DRAWINGS.
7. FOR ITEMS NOT FURNISHED AS PART OF THE HJC PLUMBING PACKAGE, THE PLUMBING CONTRACTOR SHALL PROVIDE ALL TRAPS, DRAIN ASSEMBLIES, SUPPLIES, ACCESSORIES, INDIRECT WASTE PIPING, CONTROL VALVES, SHOCK ARRESTERS, PRESSURE REGULATORS, BACKFLOW PREVENTERS, VACUUM BREAKERS, ETC., AS REQUIRED BY THE FIXTURE AND/OR EQUIPMENT MANUFACTURERS FOR THE COMPLETE INSTALLATION OF THE ITEM.

   FOR ITEMS FURNISHED AS PART OF THE HJC PLUMBING PACKAGE, THE PLUMBING CONTRACTOR SHALL PROVIDE COMPLETE INSTALLATION AS REQUIRED BY THE FIXTURE AND/OR EQUIPMENT MANUFACTURERS FOR THE ITEM.
8. ALL HAND SINKS SHALL BE PROVIDED WITH CHROME PLATED BRASS WASTE ASSEMBLIES AND WATER SUPPLIES. PVC WASTE ASSEMBLIES AND FLEX-TUBING SUPPLIES SHALL NOT BE PERMITTED.
9. EXTENT OF SITE WORK SHALL BE 5'-0" OUTSIDE OF BUILDING. PLUMBING CONTRACTOR SHALL COORDINATE ALL INVERT ELEVATIONS AND LOCATIONS WITH SITE CONTRACTOR.
10. FLOOR DRAIN DIMENSIONS SHALL BE FIELD VERIFIED WITH ARCHITECTURAL EQUIPMENT DRAWINGS.
11. TRAP PRIMING DEVICES SHALL BE PROVIDED FOR FIXTURES WHERE INDICATED ON THE DRAWINGS. PROVIDE "PRECISION PLUMBING PRODUCTS INC." PRIME-RITE TRAP PRIMING VALVE. UP TO FOUR (4) DRAINS MAY BE SERVED BY A SINGLE VALVE, USING THE MULTI-PORT DISTRIBUTION UNIT.
12. FLOOR SINK RIMS SHALL BE SET FLUSH WITH FINISHED FLOOR ELEVATION. RAISED FLOOR SINKS SHALL NOT BE ACCEPTABLE UNLESS SPECIFICALLY REQUIRED BY THE PLUMBING INSPECTOR / LOCAL AUTHORITY.
13. DURING CONSTRUCTION THE PLUMBING CONTRACTOR SHALL PLUG ALL FLOOR DRAIN AND FLOOR SINK OPENINGS TO PREVENT DEBRIS FROM ENTERING INTO THE PIPING. AFTER CONSTRUCTION THE PLUGS SHALL BE REMOVED AND THE PIPING SHALL BE FLUSHED. THE GENERAL CONTRACTOR SHALL SUBMIT VERIFICATION THAT ALL WASTE LINES HAVE BEEN FLUSHED CLEAN, AND DEBRIS HAS BEEN REMOVED FROM THE GREASE INTERCEPTOR, PRIOR TO THE STORE OPENING. THIS VERIFICATION DOCUMENT SHALL BE INCLUDED IN THE GENERAL CONTRACTORS CLOSING DOCUMENTS FOR THE STORE.
14. HORIZONTAL STORM WATER PIPING, LOCATED ABOVE THE CEILING, SHALL BE INSULATED WITH JACKETED 1 1/2" MOLDED FIBERGLASS PIPE INSULATION.
15. APPLY FOR ALL FLOOR DRAINS AND CLEANOUTS IN THE RESTROOM: TOP OF FLOOR DRAIN FLUSH WITH TOP OF CONCRETE. TOP OF CLEANOUT FLUSH WITH FINISHED FLOOR.
16. CONNECT TO SITE STORM DRAINAGE SYSTEM. REFER TO SITE PLANS.
17. RUN EVAPORATOR CONDENSATE DRAIN TO NEAREST HUB DRAIN / MOP SINK. INSULATE AND HEAT TRACE CONDENSATE DRAIN INSIDE FREEZER. PROVIDE CONDENSATE PUMP(S) WHEN GRAVITY DRAIN IS NOT PRACTICAL. COORDINATE LOCATION OF PUMP(S) WITH THE REFRIGERATION CONTRACTOR. COORDINATE POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR

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1255 BROAD STREET, SUITE 201
CLIFTON, NJ 07013-3988
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO v2025.Q1
WAWA STORE #8216
25 STREET PIKE,UPPER SOUTHAMPTON TOWNSHIP
COUNTY SOUTHAMPTON, PA-18966

SHEET TITLE
PLUMBING SANITARY PLAN

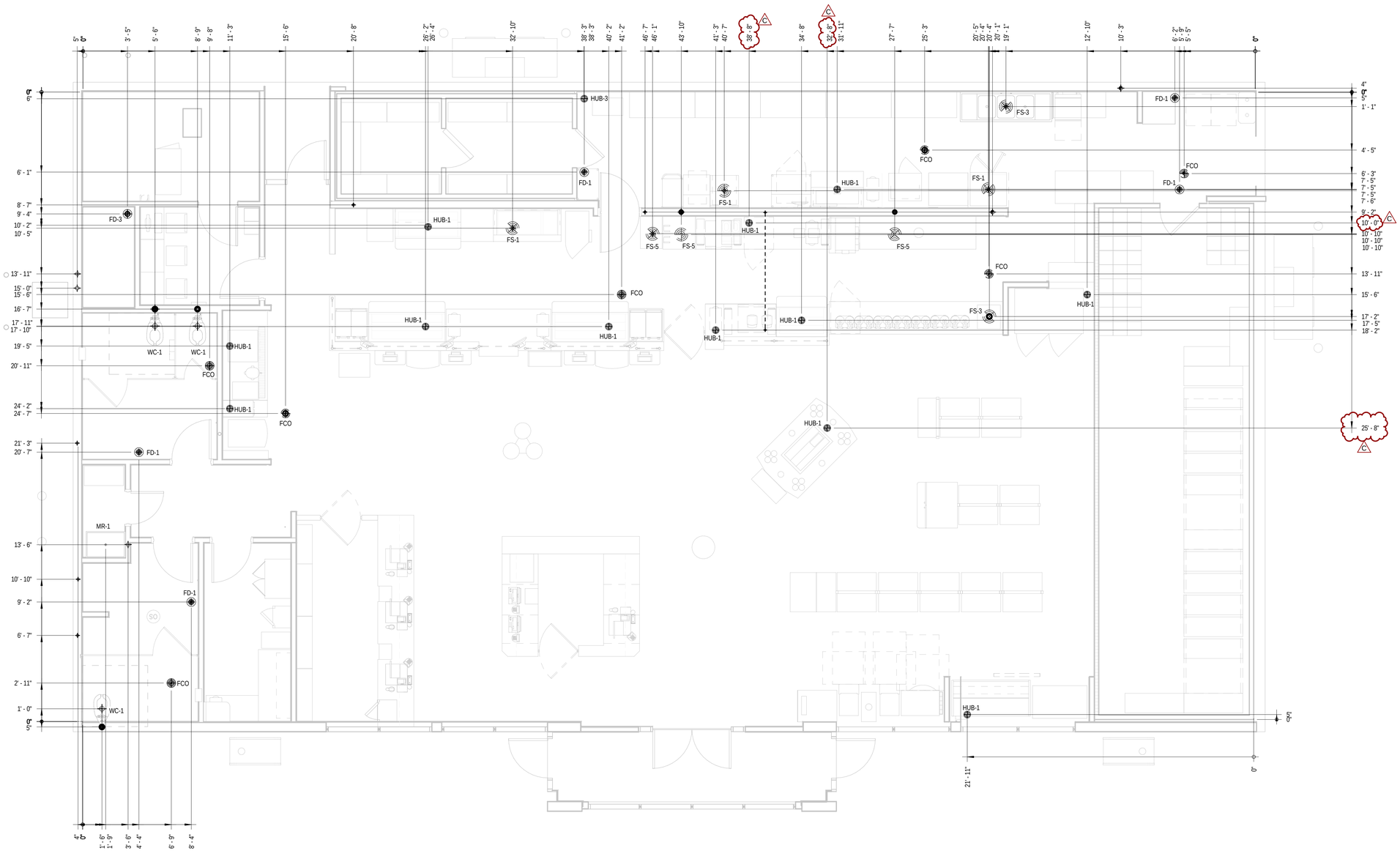
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P1.0



1 / P1.1 **SLAB PENETRATION DIMENSION PLAN**
1/4" = 1'-0"

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SHEET TITLE
SLAB PENETRATION DIMENSION PLAN

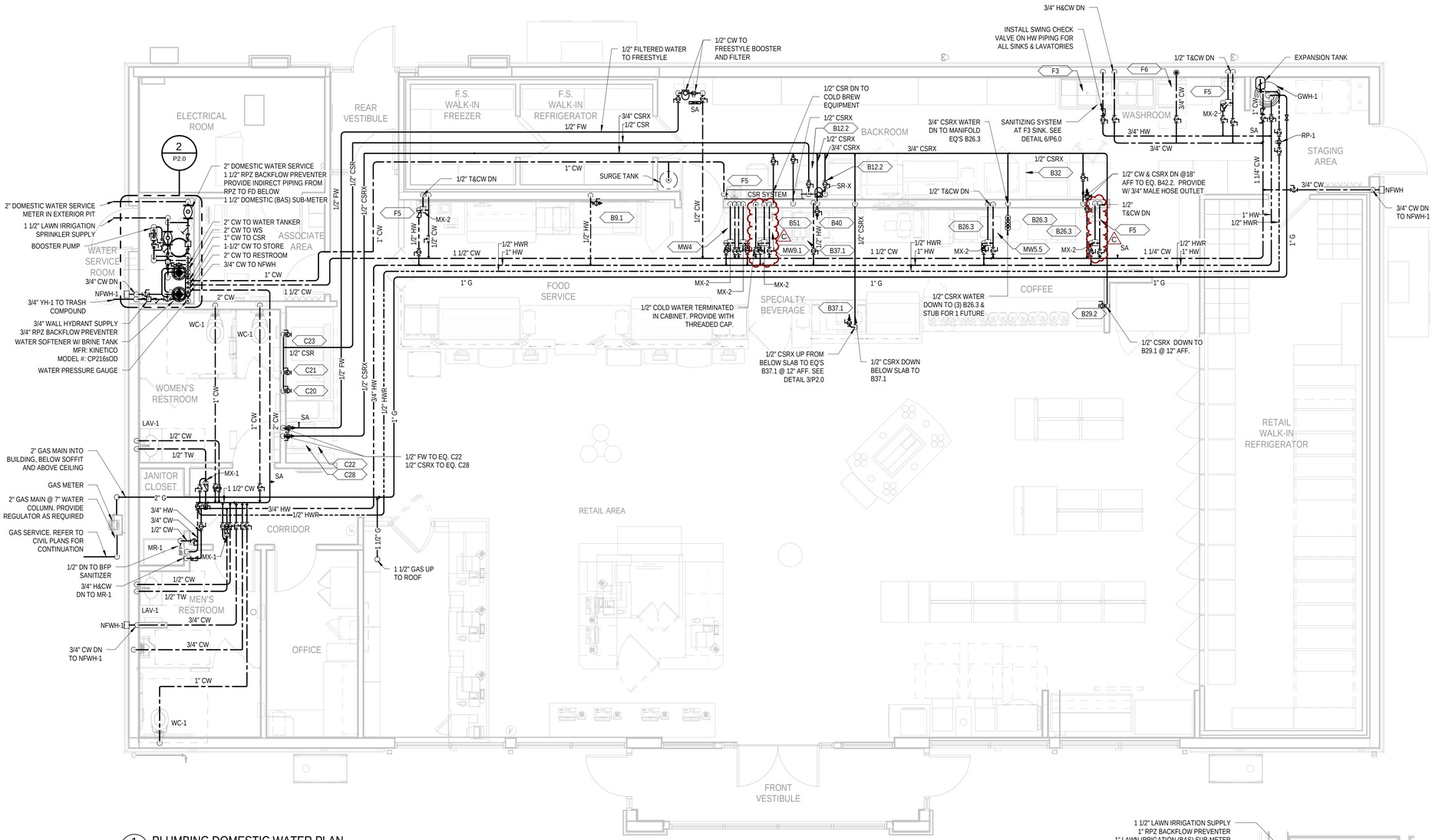
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PROJECT TYPE: U45FB MIRROR PROTO v2025.Q1
PROJECT NO. 60699812
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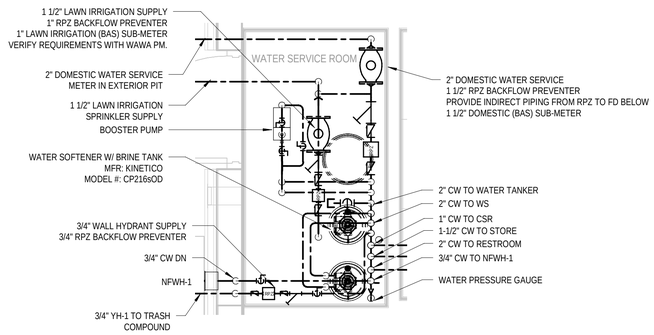
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P1.1



1 P2.0 PLUMBING DOMESTIC WATER PLAN
1/4" = 1'-0"



2 P2.0 WATER METER ROOM - ENLARGED PLAN
1/2" = 1'-0"

GENERAL PLUMBING NOTES

1. BACKFLOW PREVENTERS ON THE MAIN DOMESTIC WATER SERVICE SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE AUTHORITIES HAVING JURISDICTION. REFER TO THE BACKFLOW PREVENTER SCHEDULE FOR TYPES AND MODEL NUMBERS.

2. DOMESTIC WATER METER SHALL BE INSTALLED AND SPECIFIED IN ACCORDANCE WITH LOCAL WATER AUTHORITIES REQUIREMENTS. WHERE THE AUTHORITY DOES NOT LIST A SPECIFIC MODEL, USE "SENSUS TECH." SERIES "SR" WITH "GTR" REMOTE READOUT.

3. PROVISIONS FOR LAWN IRRIGATION WATER SHALL BE MADE. WHEN APPROVED BY THE LOCAL WATER UTILITY AND/OR LOCAL AUTHORITIES A SEPARATE WATER SUPPLY SHALL BE PROVIDED. A SEPARATE WATER SUPPLY SHALL BE VIA A SECOND STREET MAIN TAP WITH METER OR AN INDIVIDUAL WELL. WHEN A SEPARATE SERVICE IS NOT AN ACCEPTABLE OPTION, THE IRRIGATION SUPPLY SHALL BE CONNECTED TO THE MAIN WATER SERVICE. WHEN CONNECTING TO THE MAIN WATER SERVICE, PROVIDE AN APPROVED BACKFLOW DEVICE AND A SUB-METER. EXACT SYSTEM CONFIGURATION AND DEVICE REQUIREMENTS SHALL BE COORDINATED WITH THE APPROVING AUTHORITIES, AND THE SITE ENGINEER.

BUILDING AUTOMATION SYSTEM (BAS) NOTES

1. PLUMBING CONTRACTOR SHALL REVIEW THE BAS DRAWINGS FOR ADDITIONAL INFORMATION.

2. CSR WATER FILTRATION SYSTEM SHALL BE MONITORED BY THE BAS TO MEASURE WATER PRESSURE.
   a. PRESSURE SENSOR AND PRESSURE GAUGE SHALL BE LOCATED AS SHOWN ON THE WATER SERVICE RISER DIAGRAM AND CSR SYSTEM ELEVATION.
   b. PRESSURE GAUGE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR.
   c. PRESSURE SENSOR SHALL BE FURNISHED BY THE BAS CONTRACTOR.
   d. PRESSURE SENSOR SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR.
   e. PRESSURE SENSOR CONTROL WIRING SHALL BE PROVIDED BY THE BAS CONTRACTOR.

DOMESTIC WATER SUB-METERING

1. PLUMBING CONTRACTOR SHALL PROVIDE SUB-METERS ON THE DOMESTIC WATER SERVICE AND IRRIGATION WATER SERVICE AS INDICATED ON THE RISER DIAGRAM.

2. DOMESTIC WATER MAIN SUB-METER (1 1/2") SHALL BE "DANIEL L. JERMAN" DLJ150C, MONITORED BY THE BAS SYSTEM, CONFIGURED FOR 1 PULSE PER 10 GALLON.

3. LAWN IRRIGATION WATER MAIN SUB-METER (1") SHALL BE "DANIEL L. JERMAN" DLJ100C, MONITORED BY THE BAS SYSTEM, CONFIGURED FOR 1 PULSE PER GALLON.

DOMESTIC WATER PIPING

1. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS, INSIDE THE BUILDING, SHALL BE "FLO-GUARD GOLD" CPVC. PLUMBING CONTRACTOR SHALL PROVIDE ALL VALVES, FITTINGS, AND TRANSITIONS AS REQUIRED.

2. PIPING SUPPORTS SHALL BE PROVIDED IN STRICT ACCORDANCE WITH APPLICABLE CODES AND MANUFACTURERS REQUIREMENTS.

3. PER MANUFACTURERS REQUIREMENTS, CPVC WATER PIPING IN CONDITIONED INTERIOR SPACES IS NOT REQUIRED TO BE INSULATED.

4. ALL HOT AND COLD WATER PIPING LOCATED IN EXTERIOR WALLS SHALL BE INSULATED. ALL HOT WATER RETURN NEEDS TO BE INSULATED.

5. ALL SHUT-OFF VALVE HANDLES SHALL MATCH IN COLOR, UNLESS THE HANDLE COLORS ARE CONSISTENT WITH THE SERVICE. IF USING DIFFERENT COLORED HANDLES, USE BLUE HANDLES FOR COLD WATER AND RED HANDLES FOR HOT WATER.

6. USE PEX PIPING FOR ALL WATER LINES UNDER SLAB.

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WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO v2025.Q1
WAWA STORE #8216
25 STREET PIKE,UPPER SOUTHAMPTON TOWNSHIP BUCKS COUNTY SOUTHAMPTON, PA-18966

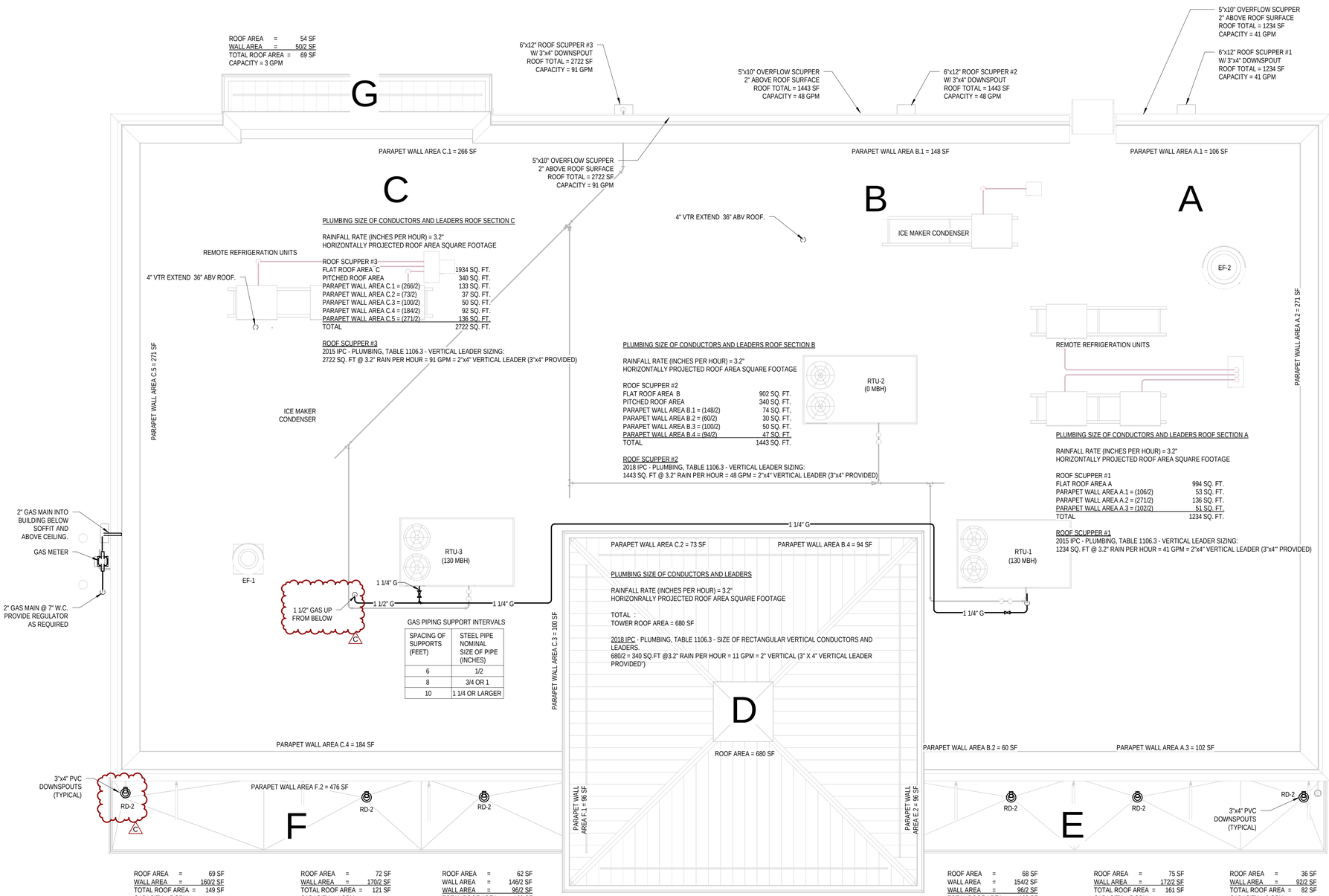
SHEET TITLE
PLUMBING DOMESTIC WATER PLAN

RELEASE	DATE
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P2.0



1 P3.0 PLUMBING GAS PIPING & ROOF PLAN
1/4" = 1'-0"

2 P3.0 GAS RISER
NOT TO SCALE

ROOF DRAIN TECHNICAL DATA: 100 YEAR, 1 HR RAINFALL = 3.2"
TOTAL ROOF AREA = HORIZONTAL PROJECTED AREA + HALF THE AREA OF VERTICAL WALLS THAT DIVERT WATER TO THE ROOF
OVERFLOW LOW DRAINAGE: CALCULATED FROM IPC TABLE 1106.2 AS MODIFIED BY SECTION 1108.3

ROOF				VERTICAL PIPING			
				REQUIRED		PROVIDED	
LABEL	TOTAL AREA	LARGEST TRIB. AREA	GPM	QTY.	ø" VERT.	QTY.	ø" VERT.
A	1234 SF	1234 SF	41	1	2"x4"	1	3"x4"
B	1443 SF	1443 SF	48	1	2"x4"	1	3"x4"
C	2722 SF	2722 SF	91	1	2"x4"	1	3"x4"
D	680 SF	340 SF	18	2	2"x2"	2	3"x4"
E	436 SF	193 SF	7	3	2"x2"	3	3"x4"
F	439 SF	169 SF	6	3	2"x2"	3	3"x4"
G	69 SF	69 SF	3	1	2"x2"	1	3"x4"

TABLE 1106.2 SIZE OF VERTICAL CONDUCTORS AND LEADERS

PIPE SIZE (INCHES)	STORM DRAIN PIPE SIZING - CAPACITY (GPM)				
	VERTICAL DRAIN	SLOPE OF HORIZONTAL DRAIN			
		1/16 IN PER FT	1/8 IN PER FT	1/4 IN PER FT	1/2 IN PER FT
2"ø	34	15	22	31	44
3"ø	87	39	55	79	111
4"ø	180	81	115	163	231
5"ø	311	117	165	234	331
6"ø	538	243	344	487	689
8"ø	1,117	505	714	1010	1,429

TABLE 1106.3 SIZE OF VERTICAL CONDUCTORS AND LEADERS

STORM DRAIN PIPE SIZING - CAPACITY (GPM)			
SIZE OF LEADER (INCHES)	CAPACITY (GPM)	SIZE OF LEADER (INCHES)	CAPACITY (GPM)
2" x 2"	30	4"ø	192
2 1/2"ø	54	3 1/2" x 4"	192
2 1/2" x 2 1/2"	54	5"ø	360
3"ø	92	6"ø	563
2" x 4"	92	6"ø	563
2 1/2" x 3"	92	5" x 6"	563

GAS PIPING SUPPORT INTERVALS

STEEL PIPE NOMINAL SIZE OF PIPE (INCHES)	SPACING OF SUPPORTS (FEET)
1/2	6
3/4 OR 1	8
1 1/4 OR LARGER	10

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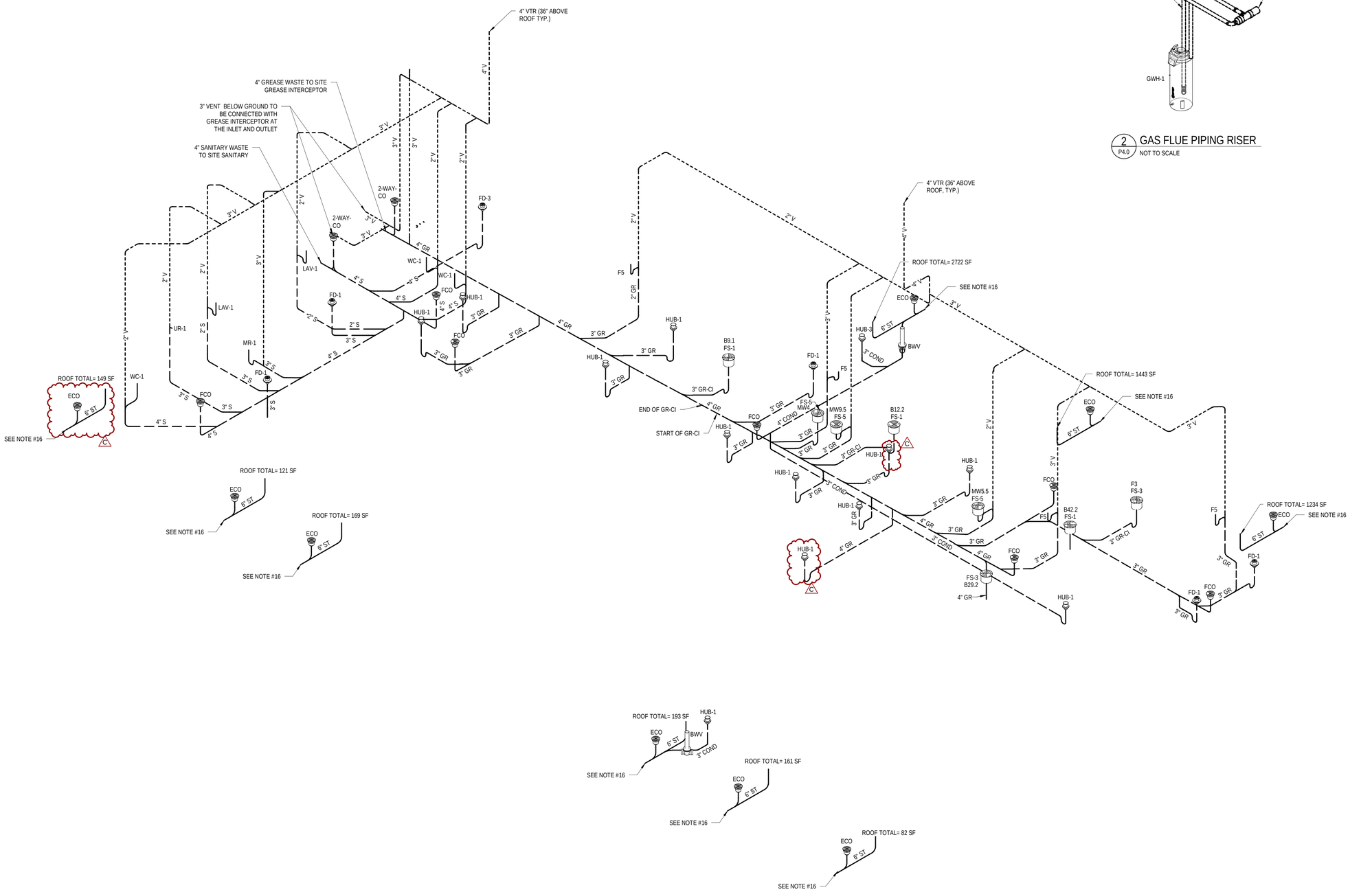
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U45FB MIRROR PROTO v2025.Q1
WAWA STORE #8216
25 STREET PIKE,UPPER SOUTHAMPTON TOWNSHIP BUCKS COUNTY SOUTHAMPTON, PA-18966

SHEET TITLE
PLUMBING ROOF PLAN & GAS RISER

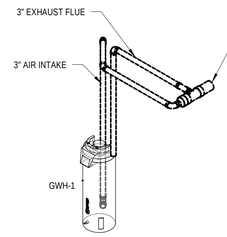
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PROTOTYPE DESIGN NAME	MIRROR PROTO v2025.Q1
PROJECT NO.	60698612
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P3.0



1 P4.0 PLUMBING SANITARY RISER DIAGRAM
NOT TO SCALE



2 P4.0 GAS FLUE PIPING RISER
NOT TO SCALE

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SHEET TITLE
PLUMBING SANITARY RISER DIAGRAM

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P4.0

WATER HAMMER ARRESTOR SCHEDULE

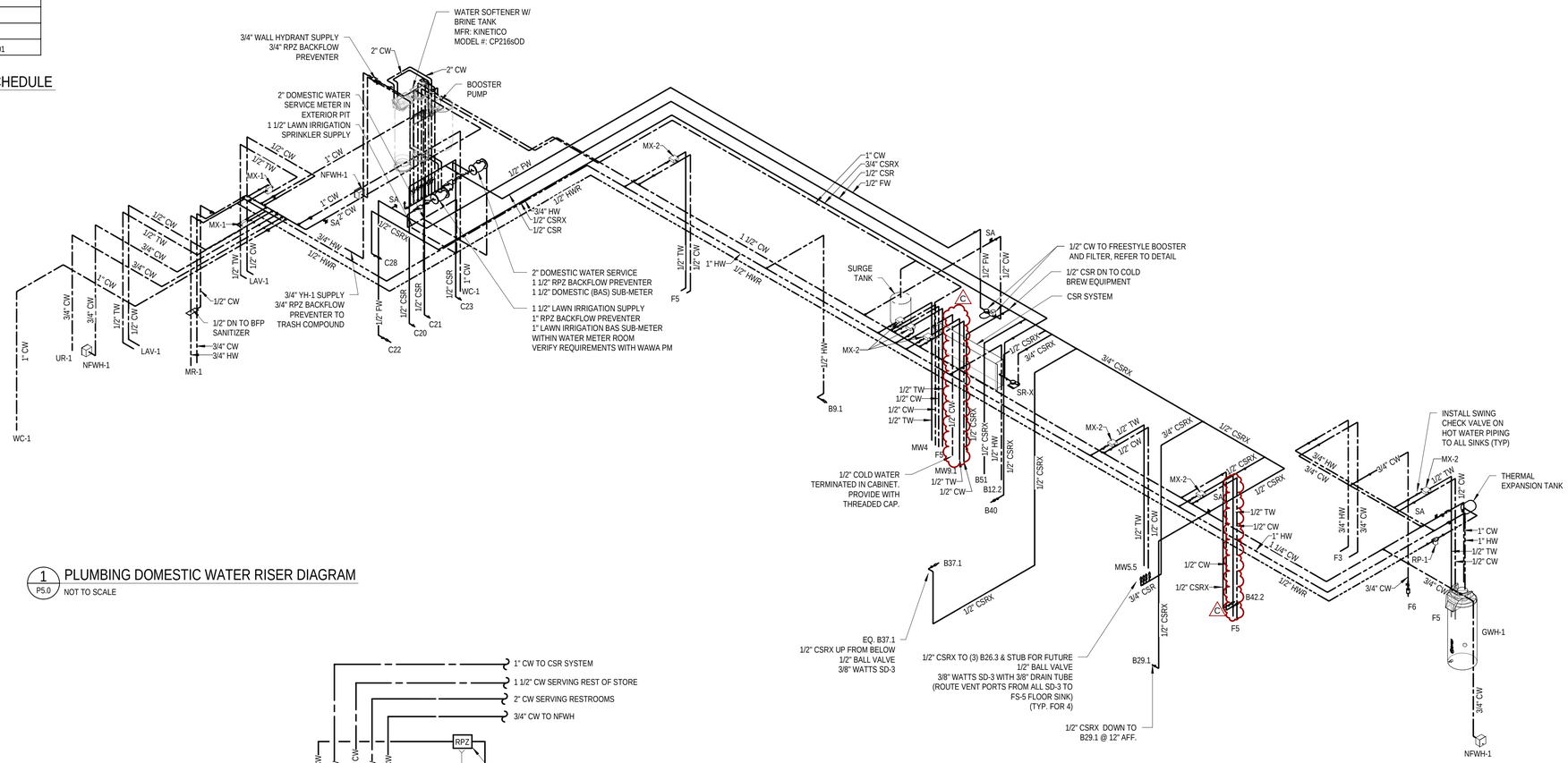
INSTALLED ARRESTOR SHALL BE APPROVED DEVICE BY LOCAL JURISDICTION. ALL SUPPLY PIPING SHALL HAVE = ARRESTOR THE SAME SIZE AS CONNECTION SIZE UP TO 1" I.E. PROVIDE P.D.I. SIZE "C" FOR 1" OR LARGER WATER SUPPLY TO FIXTURES, P.D.I. SIZE "B" FOR 3/4" SUPPLY AND P.D.I. SIZE "A" FOR 1/2" SUPPLY.

* P.D.I. SIZE	CONNECTION SIZE
A (1-11 F.U.)	1/2"
B (12-32 F.U.)	3/4"
C (33-60 F.U.)	1"

P.D.I. = PLUMBING AND DRAINAGE INSTITUTE STANDARD WH-201

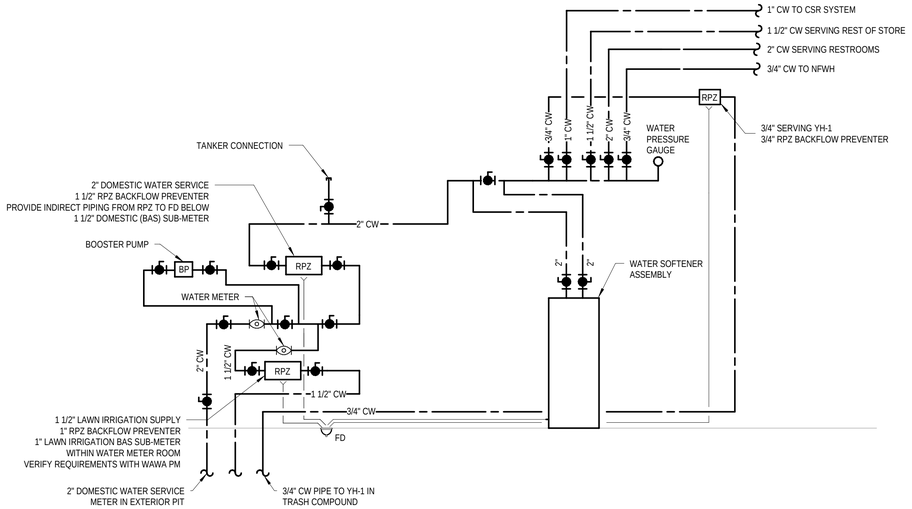
2 P5.0 WATER HAMMER ARRESTOR SCHEDULE

NOT TO SCALE



1 P5.0 PLUMBING DOMESTIC WATER RISER DIAGRAM

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3 P5.0 WATER METER ROOM - RISER DIAGRAM

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2S STREET PIKE,UPPER SOUTHAMPTON TOWNSHIP BUCKS COUNTY SOUTHAMPTON, PA-18966

SHEET TITLE
PLUMBING DOMESTIC WATER RISER DIAGRAM

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60098612

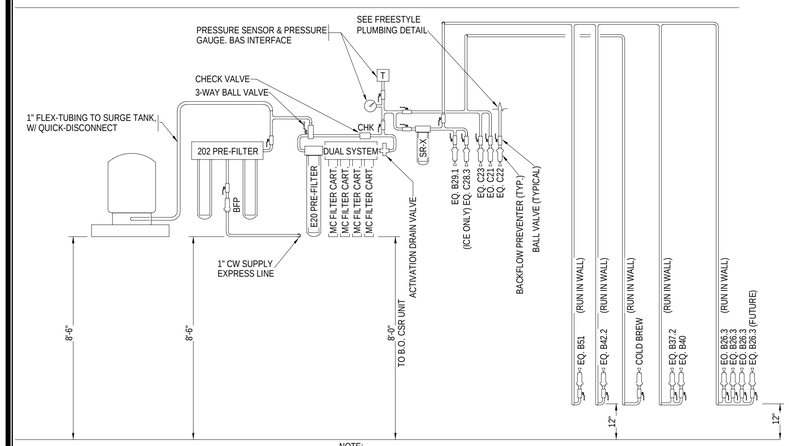
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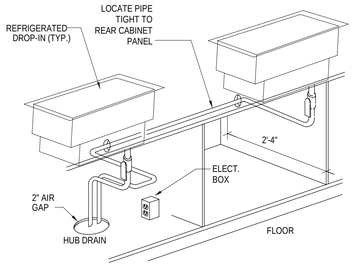
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P5.0



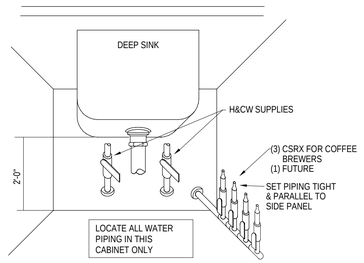
NOTE:
1. THE INTENT OF THIS ELEVATION IS TO SHOW THE "CSR" WATER EQUIPMENT, OUTLET LOCATIONS, AND PIPING CONFIGURATION. FOR PIPE SIZES, BACKFLOW PREVENTOR TYPES, NOTES, ETC., REFER TO THE WATER RISER DIAGRAM AND EQUIPMENT SCHEDULES.
2. ALL CSR VALVES SHOULD HAVE IDENTIFICATION TAGS

1 CSR WATER OUTLET ELEVATION
P6.0 NOT TO SCALE



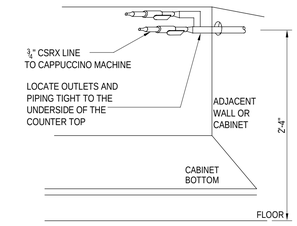
NOTE: PROVIDE UNIONS IN INDIRECT WASTE PIPING TO ALLOW FOR REFRIGERATION EQUIPMENT REMOVAL. PIPE IW SEPARATELY FOR EACH UNIT.

2 CONDIMENT COUNTER DIAGRAM (C17)
P6.0 NOT TO SCALE



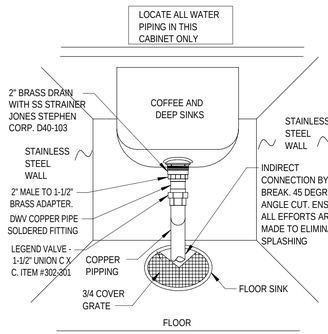
NOTES:
1. REFER TO WATER SERVICE RISER DIAGRAM AND CSR SYSTEM ELEVATION FOR ADDITIONAL INFORMATION.
2. WASTE OUTLET SHALL BE ROUGHED-IN @ 14" AFF.
3. INSTALL T&S BRASS B-2585-WAWA SINGLE HOLE TEMPERATURE DECK MOUNT FAUCET FOR COLD BREW. QUARTER TURN 2.2 GPM AERATOR, LEVER HANDLE & ½" NPSM MALE INLET.

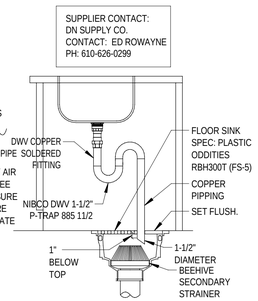
3 COFFEE SINK/BREWER MANIFOLD
P6.0 NOT TO SCALE



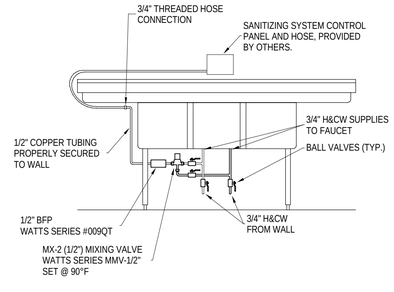
NOTE: REFER TO WATER SERVICE WATER RISER DIAGRAM FOR ADDITIONAL INFORMATION.

4 CAPPUCCINO COUNTER PIPING
P6.0 NOT TO SCALE

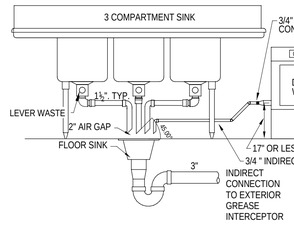




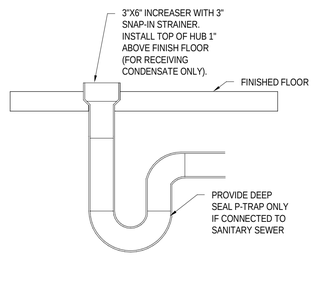
5 COFFEE/DEEP SINK DETAIL
P6.0 NOT TO SCALE



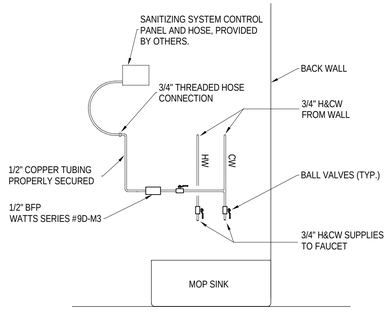
6 TEMPERED WATER @ SANITIZING EQUIPMENT
P6.0 NOT TO SCALE



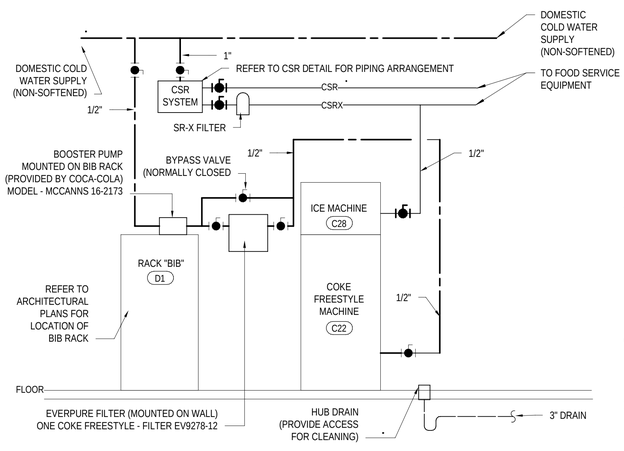
7 3 COMP SINK DETAIL
P6.0 NOT TO SCALE



8 HUB DRAIN DETAIL
P6.0 NOT TO SCALE

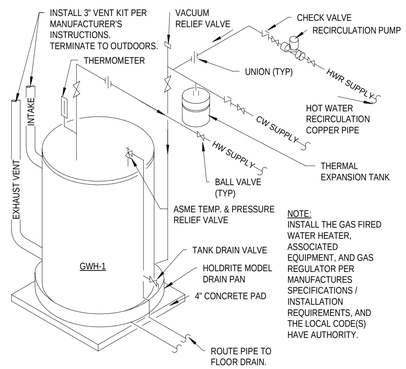


9 TEMPERED WATER @ SANITIZING EQUIPMENT
P6.0 NOT TO SCALE



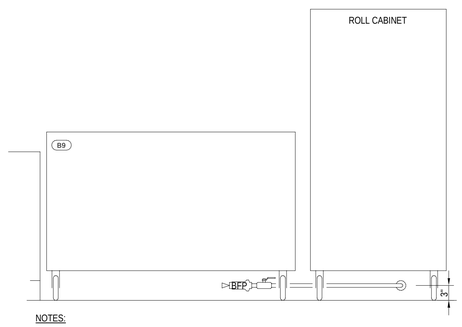
NOTES:
1. COORDINATE ALL EQUIPMENT WITH COCA-COLA, ARCHITECT AND WAWA.
2. COORDINATE ACCESS TO HUB DRAIN WITH ARCHITECTURAL.

10 COKE FREESTYLE PLUMBING DETAIL
P6.0 NOT TO SCALE



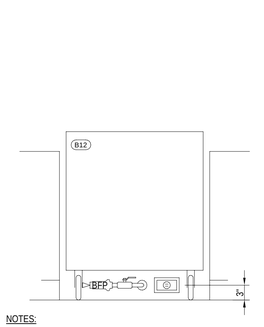
NOTE:
INSTALL THE GAS FIRED WATER HEATER, ASSOCIATED EQUIPMENT, AND GAS REGULATOR PER MANUFACTURES SPECIFICATIONS / INSTALLATION REQUIREMENTS, AND THE LOCAL CODE(S) HAVE AUTHORITY.

11 GAS WATER HEATER DETAIL
P6.0 NOT TO SCALE



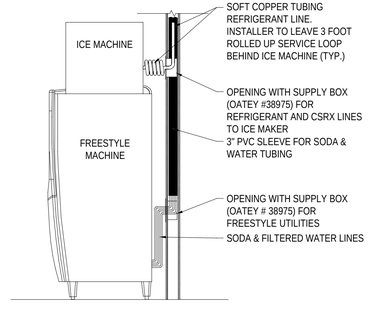
NOTES:
- DETAIL IS INTENDED FOR LOCATION OF WATER AND ELECTRIC ROUGH-INS ONLY. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.

12 EQ'S B9 / ROUGH-IN DETAIL
P6.0 NOT TO SCALE



NOTES:
- DETAIL IS INTENDED FOR LOCATION OF WATER AND ELECTRIC ROUGH-INS ONLY. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.

13 EQ'S B12 / ROUGH-IN DETAIL
P6.0 NOT TO SCALE



14 COKE FREESTYLE CONNECTION DETAIL
P6.0 NOT TO SCALE

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LICENSE NO. AR103331
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973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO v2025.Q1
WAWA STORE #8216
25 STREET PIKE,UPPER SOUTHAMPTON TOWNSHIP BUCKS COUNTY SOUTHAMPTON, PA 18966

SHEET TITLE
PLUMBING DETAILS - 1

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

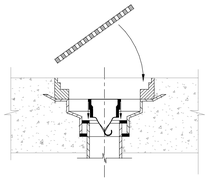
DRAWING NAME	U45FB MIRROR PROTO v2025.Q1
PROJECT NO.	60699812
DRAWN	CM
CHECKED	FA

8216
UPPER SOUTHAMPTON, PA

Wawa

P6.0

TRAP GUARD DRAIN INSERT PROTECTION



MANUFACTURER = PROVENT SYSTEMS

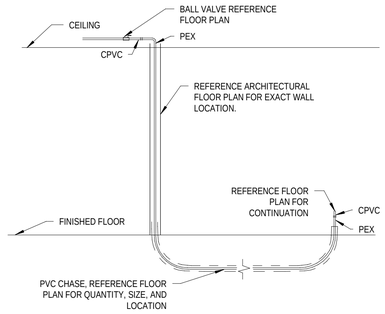
☐ PART NO. TG3H 3" INSERT FITS INSIDE 3" GASKETED PVC, ABS OR CAST IRON PIPE

IMPORTANT INSTALLATION NOTES:

1. REMOVE THE STRAINER OFF THE TOP OF THE FLOOR DRAIN TAILPIECE
2. MAKE SURE THE INSIDE OF THE TAILPIECE IS CLEAN BEFORE INSERTING THE TG3H TRAP GUARD
3. IT MAY BE NECESSARY TO USE A LUBRICANT ON THE OUTSIDE OF THE BUSHING FOR AN EASIER INSERTION
4. THE TAPPER ON THE TOP OF THE TG3H BUSHING FLANGE SHOULD FIT FLUSH WITH THE TAPPER IN THE TOP OF THE TAILPIECE SO THE TRAP GUARD INSERT IS NOT INSTALLED ABOVE THE TAPPER IN THE DRAIN OPENING.

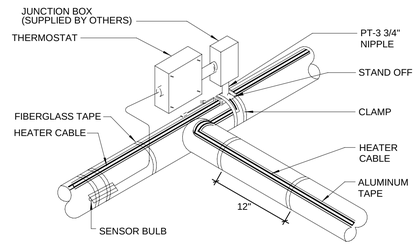
1 P6.1 TRAP GUARD DETAIL1

NOT TO SCALE



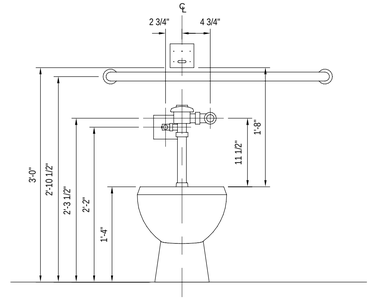
2 P6.1 UNDER SLAB PIPING TRANSITION1

NOT TO SCALE



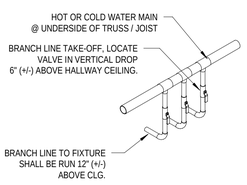
3 P6.1 HEAT TRACE DETAIL

NOT TO SCALE



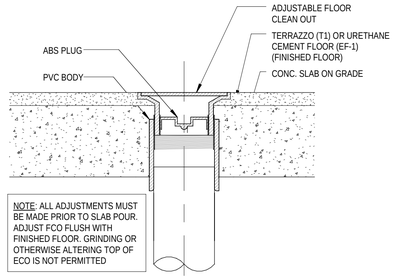
4 P6.1 TOILET FLUSH VALVE SENSOR MOUNTING1

NOT TO SCALE



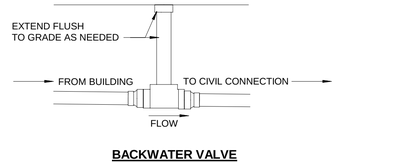
5 P6.1 TOILET ROOM WATER MAIN DROP DETAIL

NOT TO SCALE



6 P6.1 FLOOR CLEAN OUT DETAIL (TYP.)1

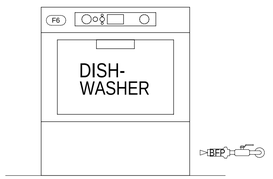
NOT TO SCALE



BACKWATER VALVE

7 P6.1 BACKWATER VALVE DETAIL

NOT TO SCALE

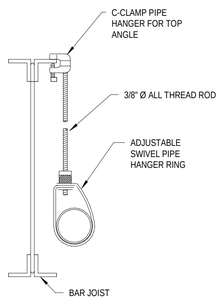


NOTES:

- DETAIL IS INTENDED FOR LOCATION OF WATER ROUGH-IN ONLY. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.

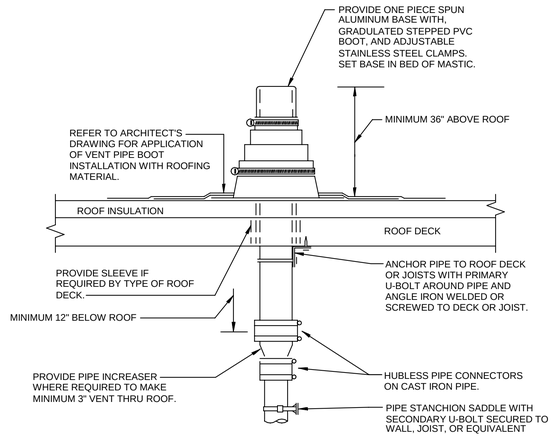
8 P6.1 EQ'S F6 / ROUGH-IN DETAIL

NOT TO SCALE



9 P6.1 PIPE HANGER DETAIL

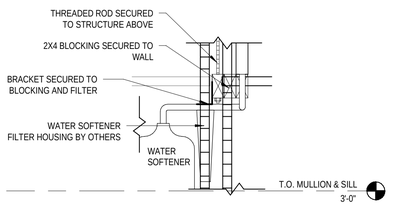
NOT TO SCALE



REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VENT THRU ROOF MINIMUM TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF LOCATION. VERIFY FLASHING AND COUNTER FLASHING WITH ROOFING CONTRACTOR.

10 P6.1 VTR DETAIL

NOT TO SCALE



11 P6.1 WATER SOFTENER FILTER SUPPORT DETAIL

NOT TO SCALE

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO v2025.Q1
WAWA STORE #8216
25 STREET PIKE,UPPER SOUTHAMPTON TOWNSHIP BUCKS COUNTY SOUTHAMPTON, PA-18966

SHEET TITLE
PLUMBING DETAILS - 2

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

DESIGN MIRROR PROTO v2025.Q1
PROJECT NO. 60699812
DRAWN CM
CHECKED FA

8216
UPPER SOUTHAMPTON, PA

Wawa

P6.1

PLUMBING LEGEND

	SANITARY OR WASTE PIPING ABOVE GRADE
	SANITARY OR WASTE PIPING BELOW GRADE
GR	GREASE WASTE PIPING CR CI: CAST IRON GREASE PIPING
	SANITARY VENT PIPING
W	INDIRECT WASTE PIPING
CO	CLEANOUT
FCO	CLEANOUT AT FLOOR
ECO	CLEANOUT AT GRADE
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
CSR	CSR WATER PIPING
TP	TRAP PRIMER WATER PIPING
TW	TEMPERED WATER PIPING
G	GAS PIPING
COND	CONDENSATE PIPING
	SERVICE PIPING BELOW FLOOR
	GATE VALVE (IN VERTICAL)
	BALL VALVE
	PLUG VALVE
	CHECK VALVE
	PRESSURE REGULATING VALVE
	GAS METER
	TRAP
	PIPE DROP
DBCV	DOUBLE CHECK VALVE W/ STRAINER
RPZ	REDUCED PRESSURE ZONE BFP W/ STRAINER
M	WATER METER (MAIN UTILITY METER)
SM	WATER SUB-METER (WAWA BAS INTERFACE)
T	TRANSPONDER (BAS WATER PRESSURE)
	PRESSURE GAUGE
	ELBOW DOWN / ELBOW UP OR RISER
MX-1 / MX-2	MIXING VAVLE - TEMPERED WATER
TP	TRAP PRIMMER DEVICE W/ DISTRIBUTION UNIT
SA	SHOCK ARRESTOR
NFWH	BOX TYPE HYDRANT (NON FREEZE)
"EQ. X##" / X#	EQUIPMENT NUMBER
FD-#	FLOOR DRAIN
SW	SAFE WASTE DRAIN
HUB-#	HUB STYLE DRAIN
RD-#	ROOF DRAIN
	FLOOR SINK
	EXPANSION TANK
	HOT WATER RETURN CIRCULATION PUMP
	DIRECTION OF FLOW
	DIRECTION OF PITCH
	VTR

HOT WATER HEATER SCHEDULE

TAG	ITEM AND MANUFACTURER	LOCATION	CAPACITY	BTUH INPUT	RECOVERY GPH@100F	REMARKS
GWH-1	GAS WATER HEATER A.O. SMITH CYCLONE XI MODEL BTX-100	WASH AREA	50 GALLONS	100,000	116	1. PROVIDE A THERMAL EXPANSION DEVICE 2. DRIP PAN AND DRAIN TO MOP SINK 3. SEE DETAIL ON DRAWING P6.0

BACKFLOW PREVENTER & SPECIALTY SCHEDULE

SERVICE & APPLICATION	MANUFACTURER	SERIES	MODEL NUMBER	SIZE	ASSE STD.	REMARKS
MAIN WATER SERVICE	WATTS REGULATOR	SERIES 909	MODEL LF909M1QT-S	1 1/2"	ASSE 1013	WHEN A "RPZ" TYPE IS REQUIRED
MAIN WATER SERVICE	WATTS REGULATOR	SERIES 007	MODEL LF007M2QT-S	1 1/2"	ASSE 1015	WHEN A DOUBLE CHECK VALVE IS REQUIRED
LAWN IRRIGATION	WATTS REGULATOR	SERIES 909	MODEL LF909M1QT-S	1"	ASSE 1013	WHEN VALVE IS LOCATED INSIDE THE BLDG.
LAWN IRRIGATION	WATTS REGULATOR	SERIES 800	MODEL LF800M4FR	1"	ASSE 1020	WHEN VALVE IS LOCATED OUTSIDE THE BLDG.
YARD HYDRANT	WATTS REGULATOR	SERIES LF009QT	MODEL LF009M3QT	3/4"	ASSE 1013	WHEN REMOTE TRASH COMPOUND IS UTILIZED
COFFEE & CAPPUCCINO MACHINES	WATTS REGULATOR	SERIES SD-3	MODEL SD3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
SODA CARBONATOR (FREESTYLE)	WATTS REGULATOR	SERIES SD-3	MODEL SD3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
FROZEN CARBONATED BEVERAGE (FCB)	WATTS REGULATOR	SERIES SD-3	MODEL SD3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
ICE MAKER (SODA & SMOOTHIE)	WATTS REGULATOR	SERIES SD-3	MODEL SD3-MN	3/8"	ASSE 1022	
ESPRESSO MACHINE	WATTS REGULATOR	SERIES SD-3	MODEL SD3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
ICED TEA	WATTS REGULATOR	SERIES SD-3	MODEL SD3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
ROLL BAKING (FILTERED WATER)	WATTS REGULATOR	SERIES SD-2	MODEL SD2-MN	3/8"	ASSE 1032	LEAD FREE, 3/8" M-NPT INLET/OUTLET
ROLL BAKING (DOMESTIC WATER)	WATTS REGULATOR	SERIES 7	MODEL LF7	1/2"	ASSE 1024	
"CSR" WATER SUPPLY	WATTS REGULATOR	SERIES 7	MODEL LF7	3/4"	ASSE 1024	LEAD FREE
BEFORE MIXING VALVE	WATTS REGULATOR	SERIES 7	MODEL LF7	3/4"	ASSE 1024	LEAD FREE
HOT FOOD TABLE & RETHERMALIZER	WATTS REGULATOR	SERIES 7	MODEL LF7	1/2"	ASSE 1024	
SANITIZING EQUIPMENT (EQ. F3 & MR-1)	WATTS REGULATOR	SERIES 9D	MODEL 9D-M3	1/2"	ASSE 1013	
VACUUM RELIEF FITTING (GHW-1)	WATTS REGULATOR	SERIES N36	MODEL LFN36-M1	3/4"		LEAD FREE
EXTERIOR GROUND HYDRANT	WATTS REGULATOR	SERIES 7	MODEL LF7	3/4"		LOCATED INSIDE THE BUILDING
DISHWASHER (EQ F6)	WATTS REGULATOR	SERIES LF009	MODEL LF009	3/4"	ASSE 1012	EXTEND RELIEF TO FLOOR SINK

PIPING MATERIAL SCHEDULE

SERVICE	SIZE	MATERIAL	SCHEDULE/TYPE	INSULATION		REMARKS
				TYPE	THICKNESS	
COLD WATER	ALL	COPPER	TYPE L	FG	1"	SEE NOTE 2
HOT WATER	ALL	COPPER	TYPE L	FG	1"	SEE NOTE 2
SANITARY	ALL	C.I. OR PVC	NOTE 3	NONE	-	NO HUB
VENT	ALL	C.I. OR PVC	SCH. 40	NONE	-	SEE NOTE 1
ST BELOW GRADE	ALL	C.I. OR PVC	SERVICE WEIGHT	NONE	-	NO HUB
ST ABOVE GRADE	ALL	C.I. OR PVC	SERVICE WEIGHT	FG	1"	NO HUB

NOTES:
1. WASTE AND VENT PIPING IN PLENUM SPACE SHALL BE SERVICE WEIGHT CAST IRON, NO HUB.
2. FIBERGLASS PIPE INSULATION: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN. SEMIRIGID BOARD MATERIAL WITH FACTORY-APPLIED ASJ COMPLYING WITH ASTM C 1393, OR WITH PROPERTIES SIMILAR TO ASTM C 612. NOMINAL DENSITY IS 2.5 LB/CU. FT. OR MORE. THERMAL CONDUCTIVITY (K VALUE) AT 100 DEG. F (55 DEG. C) IS 0.27 BTU X IN./H X SQ.FT. X DEG. F (0.042 W/M X K) OR LESS. ALL SERVICE JACKET (ASJ): WHITE, KRAFT-PAPER, FIBERGLASS-REINFORCED SCRIM WITH ALUMINUM-FOIL BACKING; COMPLYING WITH ASTM C 1136, TYPE MANUFACTURER: A. CERTAINTEED CORP., B. JOHNS MANVILLE, C. KNAUF INSULATION, D. OWENS CORNING
3. FOR PVC ONLY SCHEDULE 40 DWV. FOAM CORE PVC NOT ALLOWED. HEAVY DUTY C.I. FOR DRAINS 10 FT DOWNSTREAM B9, B12, AND B42. /C
4. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

PLUMBING CONNECTION SCHEDULE

TAG	DESCRIPTION	LOCATION	CW	HW	SAN	GR	V	IW	CSR	CSRX	DRAIN TYPE	REMARKS
B1	REFRIGERATED SANDWICH STATION(RSS)	FOOD SERVICE	N/A	N/A	N/A	N/A	N/A	1"	N/A	N/A	3" HUB DRAIN	LOCATE HUB-1 IN CENTER FOR 62"RSS, CENTER OF LEFT-HALF FOR 70"RSS.
B9	HOT FOOD TABLE	FOOD SERVICE	N/A	1/2"	N/A	N/A	N/A	1"	N/A	N/A	3" FLOOR SINK	TERMINATE WATER PIPING WITH 3/4" HOSE CONNECTION. PROVIDE 5' BRAIDED S.S. HOSE. LOCATE FS-1 CENTER OF LEFT-HALF. REFER TO DETAIL 12/P6.0
B12	RETHERMALIZER	FOOD SERVICE	N/A	1/2"	N/A	N/A	N/A	1"	N/A	N/A	3" FLOOR SINK	TERMINATE WATER PIPING WITH 3/4" HOSE CONNECTION. PROVIDE 5' BRAIDED S.S. HOSE. LOCATE FS-1 IN CENTER. REFER TO DETAIL 13/P6.0
B24	REFRIGERATED FOOD PREP UNIT	FOOD SERVICE	N/A	N/A	N/A	N/A	N/A	1"	N/A	N/A	3" HUB DRAIN	LOCATE HUB-1 IN CENTER
B26	COFFEE BREWER	FOOD SERVICE	N/A	N/A	N/A	N/A	N/A	1"	N/A	1/2"	N/A	EXTEND INDIRECT WASTE TO NEAREST HUB DRAIN
B29	CAPPUCCINO MACHINE	FOOD SERVICE	N/A	N/A	N/A	N/A	N/A	1"	N/A	3/4"	3" FLOOR SINK	LOCATE FS-3 IN CENTER. EXTEND INDIRECT WASTE TO NEAREST FLOOR SINK. RUN CSRX IN SLAB TO B29. REFER TO DETAIL 4/P6.0
B30	UNDERCOUNTER REFRIGERATOR	FOOD SERVICE	N/A	N/A	N/A	N/A	N/A	1"	N/A	N/A	3" HUB DRAIN	LOCATE HUB-1 LEFT SIDE OR RIGHT SIDE
B37	SMOOTHIE ICE MACHINE	FOOD SERVICE	N/A	N/A	N/A	N/A	N/A	1"	N/A	3/4"	3" HUB DRAIN	LOCATE HUB-1 LEFT SIDE OR RIGHT SIDE. RUN CSRX IN SLAB TO B37
B40	EXPRESSO MACHINE	FOOD SERVICE	N/A	N/A	N/A	N/A	N/A	1"	N/A	3/4"	N/A	EXTEND INDIRECT WASTE TO NEAREST HUB DRAIN
B42	ROLL OVEN	FOOD SERVICE	3/4"	N/A	N/A	N/A	N/A	1"	N/A	1/2"	3" FLOOR SINK	PROVIDE W/ 3/4" MALE HOSE OUTLET. CONNECTION AT 18" A.F.F. LOCATE FS-1 IN CENTER
B51	ICED COFFEE	FOOD SERVICE	N/A	N/A	N/A	N/A	N/A	1"	N/A	1/2"	N/A	EXTEND INDIRECT WASTE TO NEAREST HUB DRAIN
C3	REFRIGERATED EXPRESS CASE	RETAIL	N/A	N/A	N/A	N/A	N/A	1"	N/A	N/A	3" HUB DRAIN	LOCATE HUB-1 NEAR BACK WALL, CLOSER TO LEFT. ONE IS HUB GOOD FOR TWO
C5	ICE MERCHANDISER	RETAIL	N/A	N/A	N/A	N/A	N/A	1"	N/A	N/A	3" HUB DRAIN	LOCATE HUB-1 NEAR BACK WALL.
C17	DROP-IN REFRIGERATOR	RETAIL	N/A	N/A	N/A	N/A	N/A	1"	N/A	N/A	3" HUB DRAIN	LOCATE HUB-1 IN CENTER, CLOSER TO LEFT. ONE IS HUB GOOD FOR TWO. REFER TO DETAIL 2/P6.0
C19	REACH-IN FREEZER	RETAIL	N/A	N/A	N/A	N/A	N/A	1"	N/A	N/A	3" HUB DRAIN	LOCATE HUB-1 OPEN SIDE OF REAR, BEHIND ICE CHEST
C20	ICED COFFEE DISPENSER	RETAIL	N/A	N/A	N/A	N/A	N/A	2"	1/2"	N/A	N/A	EXTEND INDIRECT WASTE BEVERAGE COUNTER DRAIN. 2"IW FROM BEVERAGE COUNTER DRAIN TO NEAREST HUB DRAIN
C21	ICE TEA MACHINE	RETAIL	N/A	N/A	N/A	N/A	N/A	2"	1/2"	N/A	N/A	EXTEND INDIRECT WASTE BEVERAGE COUNTER DRAIN. 2"IW FROM BEVERAGE COUNTER DRAIN TO NEAREST HUB DRAIN
C22	COKE FREESTYLE	RETAIL	1/2"	N/A	N/A	N/A	N/A	2"	1/2"	N/A	3" HUB DRAIN	LOCATE HUB-1 NEAR BACK WALL, CLOSER TO LEFT. ONE IS HUB GOOD FOR TWO. 1/2" CW TO BOOSTER PUMP TO SERVE FREESTYLE. REFER TO DETAILS 10/P6.0 AND 14/P6.0
C23	FROZEN CARBONATED BEVERAGE (FCB)	RETAIL	N/A	N/A	N/A	N/A	N/A	2"	1/2"	N/A	N/A	EXTEND INDIRECT WASTE BEVERAGE COUNTER DRAIN. 2"IW FROM BEVERAGE COUNTER DRAIN TO NEAREST HUB DRAIN
C24	MILKSHAKE	RETAIL	N/A	N/A	N/A	N/A	N/A	1"	N/A	1/2"	N/A	EXTEND INDIRECT WASTE TO NEAREST HUB DRAIN
C28	ICE MACHINE	RETAIL	N/A	N/A	N/A	N/A	N/A	1"	N/A	1/2"	N/A	EXTEND INDIRECT WASTE TO NEAREST HUB DRAIN. REFER TO DETAILS 10/P6.0 AND 14/P6.0
CSR	CSR SYSTEM	BACK OF HOUSE	1"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	REFER TO DETAIL 1/P6.0 FOR INSTALLATION
F3	3-COMP SINK	FOOD SERVICE	3/4"	3/4"	N/A	N/A	N/A	2"	N/A	N/A	3" FLOOR SINK	INSTALL FS-1 UNDER SINK. 2" VENT FROM WALL. INSTALL TEMPERATURE MIXING VALVE MX-2 FOR SANITIZING SYSTEM. REFER TO DETAILS 6/P6.0 AND 7/P6.0
F5	HAND SINK	FOOD SERVICE	1/2"	1/2"	2"	N/A	1-1/2"	N/A	N/A	N/A	N/A	INSTALL TEMPERATURE MIXING VALVE MX-2 ABOVE CEILING
F6	DISHWASHER	BACK OF HOUSE	3/4"	N/A	N/A	N/A	N/A	3/4"	N/A	N/A	N/A	TERMINATE WATER PIPING WITH 3/4" HOSE CONNECTION. EXTEND INDIRECT WASTE TO FLOOR SINK SERVING 3-COMPARTMENT SINK
FD	FLOOR DRAIN	BACK OF HOUSE	N/A	N/A	3"	N/A	2"	N/A	N/A	N/A	N/A	LOCATE FLOOR DRAIN AS SHOWN ON PLANS. INSTALL TRAP PRIMER
FS	FLOOR SINK		N/A	N/A	N/A	3"	2"	N/A	N/A	N/A	N/A	LOCATE FLOOR SINK WITH RESPECT TO EQUIPMENT BEING SERVED
HUB	HUB DRAIN		N/A	N/A	N/A	3"	2"	N/A	N/A	N/A	N/A	LOCATE HUB DRAIN WITH RESPECT TO EQUIPMENT BEING SERVED. REFER TO DETAIL 8/P6.0
LAV	LAVATORY	BATHROOM	1/2"	1/2"	2"	N/A	1-1/2"	N/A	N/A	N/A	N/A	INSTALL TEMPERATURE MIXING VALVE MX-1 ABOVE CEILING
MR	MOP RECEPTOR	RETAIL	3/4"	3/4"	3"	N/A	2"	N/A	N/A	N/A	N/A	REFER TO DETAIL 9/P6.0
MW4	SINK COUNTERTOP	FOOD SERVICE	1/2"	1/2"	N/A	N/A	N/A	2"	N/A	N/A	3" FLOOR SINK	INSTALL FS-1 UNDER SINK. 2" VENT FROM WALL. INSTALL TEMPERATURE MIXING VALVE MX-2. REFER TO DETAILS 3/P6.0 AND 5/P6.0
MW5	SINK COUNTERTOP	FOOD SERVICE	1/2"	1/2"	N/A	N/A	N/A	2"	N/A	N/A	3" FLOOR SINK	INSTALL FS-1 UNDER SINK. 2" VENT FROM WALL. INSTALL TEMPERATURE MIXING VALVE MX-2. REFER TO DETAILS 3/P6.0 AND 5/P6.0
MW9	DEEP RINSE SINK	FOOD SERVICE	1/2"	1/2"	N/A	N/A	N/A	2"	1/2"	N/A	3" FLOOR SINK	INSTALL FS-1 UNDER SINK. 2" VENT FROM WALL. 1/2" CSR FOR COLD BREW FAUCET. LOCATE ON OPPOSITE SIDE OF SPLASH GUARD. REFER TO DETAILS 3/P6.0 AND 5/P6.0. PROVIDE 1/2" CW TO CHEMSTAR EQUIPMENT UNDER SINK.
NFHW(HB)	NON-FREEZE TYPE WALL HYDRANT	EXTERIOR	3/4"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
TP	TRAP PRIMER		1/2"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LOCATE WHERE ACCESSIBLE. EXTEND TRAP PRIMER LINE TO FLOOR DRAINS.
UR	URINAL	BATHROOM	3/4"	N/A	2"	N/A	1-1/2"	N/A	N/A	N/A	N/A	INSTALL SHOCK ABSORBER (SA) ON CW LINE
WC	WATER CLOSET	BATHROOM	1"	N/A	4"	N/A	2"	N/A	N/A	N/A	N/A	INSTALL SHOCK ABSORBER (SA) ON CW LINE
WH	WATER HEATER		1-1/2"	1-1/2"	N/A	N/A	N/A	1"	N/A	N/A	3" FLOOR DRAIN	INSTALL FD-3 WITH RESPECT TO EQUIPMENT LOCATION. REFER TO DETAIL 11/P6.0

FIXTURE SPECIFICATIONS

TAG	FIXTURE	MANUFACTURER	MODEL #	SUPPLIED BY:	DESCRIPTION
WC-1	WATER CLOSET FLUSH VALVE (ADA)	AMERICAN STANDARD	3461.160	HJC	FLOOR MOUNTED ADA COMPLIANT, VITREOUS CHINA, 1.6 GPF, TOP SPUD, ELONGATED FLUSH VALVE WATER CLOSET. PROVIDE WITH MANUFACTURERS RECOMMENDED ANGLE SUPPLY STOPS, SLOAN "ROYAL OPTIMA" FLUSH VALVE MODEL 111 ES-S TOP SPUD WITH ACCESSORIES EL-154 & EL-226. PROVIDE WITH OLSONITE MODEL #95SSCT OPEN FRONT/ WHITE SEAT.
UR-1	URINAL	AMERICAN STANDARD	6561.017	WAWA	ADA COMPLIANT FLUSHING RIM, VITREOUS CHINA URINAL. LOW CONSUMPTION AND SIPHON JET FLUSH ACTION. SLOAN "ROYAL OPTIMA" FLUSH VALVE MODEL 186-1 ES-S TOP SPUD WITH ACCESSORY EL-154. PROVIDE WITH RECOMMENDED WALL CARRIER SYSTEM.
LAV-1	LAVATORY UNDERMOUNT SINK	ELKAY	ELUH1811 W/ LKUCLIP	CABINET	ADA COMPLIANT UNDER MOUNT STAINLESS STEEL LAVATORY. INSTALL AS REQUIRED TO MEET ADA GUIDELINES. PROVIDE WITH MCGUIRE MODEL #H158LK, #155WC OFFSET STRAINER AND TAILPIECE, & #8902. PROVIDE ZURN FAUCET MODEL #Z6915-GEN-K-XL WITH THESE OPTIONS 0.5 GPM VANDAL RESISTANT LAMINAR FLOW & LOW LEAD COMPLIANT. PROVIDE WITH MIXING VALVE WATTS MODEL #LFMMV-US-M1. INSTALL USING MANUFACTURERS RECOMMENDATIONS. USE OFFSET TAILPIECE TO AVOID CONFLICT WITH CABINET DOOR.
LAV-2	LAVATORY WALL HUNG	AMERICAN STANDARD	0355.012	CABINET	ADA COMPLIANT WALL HUNG VITREOUS LAVATORY. INSTALL AS REQUIRED TO MEET ADA GUIDELINES. PROVIDE WITH MCGUIRE MODEL #H158LK, # 155A, & #8902. PROVIDE SLOAN FAUCET MODEL #ESD-30880 WITH THESE OPTIONS 0.5 GPM VANDAL RESISTANT LAMINAR FLOW & LOW LEAD COMPLIANT. PROVIDE LAV SHIELD TRUEBRO MODEL #2018-AS-L. PROVIDE WITH MIXING VALVE WATTS MODEL #LFMMV-US-M1. INSTALL USING MANUFACTURERS RECOMMENDATIONS.
F3	3 COMPARTMENT SINK	-	-	HJC	FURNISHED BY WAWA, INSTALLED BY PLUMBING CONTRACTOR. NEW LEVER WASTE AND FAUCET SUPPLIED BY WAWA , INSTALLED BY PLUMBING CONTRACTOR.
F5	HAND SINK	KROWNE	HS-30L	HJC	WALL MOUNTED, S/S HAND SINK WITH FAUCET & STRAINER, CHROME PLATED BRASS ANGLE STOPS WITH CHROME PLATED RISERS AND CHROME PLATED ESCUTCHEONS; CHROME PLATED BRASS TAILPIECE & TRAP(PVC NOT PERMITTED). FAUCET HANDLES SHALL BE ALIGNED TO BE PERPENDICULAR TO THE FLOOR WHEN IN THE CLOSED POSITION. PROVIDE MIXING VALVE WATTS MODEL #LFMMV-US-M1. MIXING VALVE SHALL BE LOCATED ABOVE THE "LAY-IN" CEILING TILE WHERE APPLICABLE. TEMPERATURE GAUGE SHALL BE EASILY READABLE FROM THE FLOOR OR A LADDER. TEMPERED WATER SHALL BE SET AT 120°F.
MW4	SINK COUNTERTOP	-	-	CABINET	FURNISHED BY WAWA, INSTALLED BY PLUMBING CONTRACTOR.
MW5.5/ MW9.5	SINK COUNTERTOP	-	-	CABINET	FURNISHED BY WAWA, INSTALLED BY PLUMBING CONTRACTOR. REFERENCE DETAIL ON SHEET.
MX-1	MIXING VALVE (LAVATORIES)	WATTS REGULATOR	LFMMV-CPVC-M1	HJC	ASSE 1070 MIXING VALVE SET AT 110° F (UNLESS NOTED).
MX-2	MIXING VALVE (HAND WASHING)	WATTS REGULATOR	LFMMV-CPVC-M1	HJC	ASSE 1070 MIXING VALVE SET AT 120° F (UNLESS NOTED).
MR-1	MOP RECEPTOR	FIAT	MSB -2436	HJC	FLOOR MOUNTED MOLDED PLASTIC BASIN WITH HOSE BRACKET 832-AA, WALL MOUNTED FAUCET 830-AA, MOP HANGER 889-CC AND CORNER GUARD ON THE FRONT LIP. FIAT PRODUCTS STRAINER #1453-BB. PVC P-TRAP.
WCO	WALL CLEANOUT	ZURN	Z1446	HJC	WALL CLEANOUT WITH STAINLESS STEEL ROUND ACCESS COVER. SEE PLANS FOR PIPE SIZE CONNECTION.
FCO	FLOOR CLEANOUT	ZURN	CO2450-PV3 CO2450-PV4	HJC HJC	FLOOR CLEANOUT WITH ACCESS COVER. SEE PLANS FOR PIPE SIZE CONNECTION.
FS-1	FLOOR SINK	PLASTIC ODDITIES INC.	RBH300H	HJC	12"Ø x 5.5" DEEP, PLASTIC BODY WITH ACID RESISTING INTERIOR AND HALF GRATE ALUMINUM BEEHIVE STRAINER.
FS-3	FLOOR SINK	PLASTIC ODDITIES INC.	RPS	HJC	9"Ø8x 5.5" DEEP, SEDIMENT BUCKET, HALF GRATE ALUMINUM BEEHIVE STRAINER, GRAT FINISH, RIM FLUSH W/ FINISH FL. PROVIDE 1-1/2"x8"Ø PVC EXTENSION FOR SAFE-WASTE.
FS-5	FLOOR SINK	PLASTIC ODDITIES INC.	RBH-300T	HJC	12"Ø8x 5.5" DEEP, PLASTIC BODY WITH ACID RESISTING INTERIOR AND THREE-QUARTER PLASTIC GRATE TOP WITH ALUMINUM BEEHIVE STRAINER
FD-1	FLOOR DRAIN	JAY R. SMITH	2005-A	HJC	CAST IRON BODY WITH BOTTOM OUTLET, NICKEL BRONZE ROUND STRAINER. PROVIDE DEEP SEAL TRAP (2005L-A05-NB) AND PROVENT SYSTEMS TRAP GUARD MODEL TG3H. IN RESTROOMS TOP OF FD-1 STRAINER HEAD SHALL BE SET FLUSH WITH TOP OF CONCRETE SLAB ON GRADE.
FD-3	FLOOR DRAIN	JAY R. SMITH	2005-F37	HJC	CAST IRON BODY WITH BOTTOM OUTLET, NICKEL BRONZE ROUND STRAINER. PROVIDE DEEP SEAL TRAP (2005L-F37-NB) AND PROVENT SYSTEMS TRAP GUARD MODEL TG3H. IN WATER SERVICE ROOM OR EXTERNAL CLOSET TOP OF FD-3 EXTENDED RIM TO BE FLUSH WITH FINISH FLOOR.
HUB-1	HUB DRAIN	-	-	PC	3" X 6" INCREASER FITTING. TOP OF FITTING SET @ 1" A.F.F. PROVIDE WITH 3" SNAP-IN STRAINER. SEE HUB DRAIN DETAIL THIS SHEET.
HUB-3	HUB DRAIN	-	-	PC	TOP OF FITTING SET @ 1" A.F.F. PROVIDE WITH 3" SNAP-IN STRAINER.
RP-1	RECIRCULATING PUMP	BELL & GOSSETT	NBF-9U/LW	HJC	PROVIDE WITH MODEL AQS-1/2 AQUASTAT. PROVIDE ELECTRICAL DISCONNECT SWITCH. ELECTRICAL REQUIREMENTS ARE 115w/1/60hz. CAPACITY FOR PUMP IS 5 GPM AT 5 FT HEAD.
SA/WHA	SHOCK ABSORBER/WATER HAMMER ARRESTOR	WILKINS	1250	1250	WATER HAMMER ARRESTOR SHALL MEET ASSE 1010. THE DEVICE SHALL CONSIST OF A COPPER BODY WITH AN ACETAL PISTON. BUNA NITRILE O RINGS AND LEAD FREE SOLDER. THE DEVICE SHALL BE PRE-CHARGED AND SEALED AT THE FACTORY.
BWV	BACK WATER VALVE	ZURN	BW2930 PC4-EXT	--	4" BACKWATER VAVLE WITH EXTENSION.
RD-1/ OD-1	PRIMARY ROOF DRAIN/ OVERFLOW ROOFDRAIN	ZURN	ZC-163	--	15 INCH DIAMETER ROOF DRAIN AND OVERFLOW DRAIN, DURA-COATED CAST IRON BODIES WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARDS, DOUBLE TOP-SET DECK PLAY AND LOW SILHOUETTE CAST IRON DOMES.
RD-2	PRIMARY ROOF DRAIN	JAY R. SMITH	1340T	HJC	DUCO CAST IRON BODY WITH COMBINED FLASHING CLAMP & GRAVEL STOP WITH POLYETHYLENE DOME AND EXTENSION SLEEVE AS REQUIRED. PIPE SIZE 3".
DN-1	DOWNSPOT NOZZLE	ZURN	Z199	--	DECORATIVE DOWNSPOUT NOZZLE WITH REMOVEABLE STAINLESS SCREEN. NICKLE BRONZE BODY.
NFWH-1	WALL HYDRANT-STONE	JAY R. SMITH	5509QT	HJC	PROVIDE WALL HYDRANTS AS LOCATED ON THE PLUMBING DRAWINGS. WALL HYDRANTS SHALL BE AUTOMATIC DRAINING WITH 3/4 INCH VACUUM BREAKER HOSE CONNECTION. COLD WATER SUPPLY SHALL BE PROVIDED WITH A BACKFLOW PREVENTER AS INDICATED ON THE PLUMBING DRAWINGS.
NFWH-2	WALL HYDRANT-BRICK		5519		
YH-1	YARD HYDRANT	WOODFORD	X34	HJC	THE RIGHT/REAR CORNER OF THE COMPOUND, PROVIDE A PERMANENT SIGN AT THE HYDRANT READING, "CAUTION NON- POTABLE WATER,DO NOT DRINK
EWC-1	ELECTRIC WATER COOLER	ELKAY HI-LOW	EZSTL8LC	HJC	BARRIER FREE ADA COMPLIENT ELECTRIC WATER COOLEER COORDINATE POWER OUTLET LOCATION WITH ELECTRICAL CONTRACTOR FOR ELECTRICAL CORD WITH 3-PRONG PLUG. INSTALL PER MANUFACTURERS RECOMENDATIONS. REFER TO ARCHITECTURAL ELEVATION VIEWS FOR MOUNTING HEIGHTS.
BP-1	BOOSTER PUMP	GRUNDFOS	CMBE 3-51	HJC	PROVIDE WITH WALL MOUNTED CONTROLLER, DIAPHRAGM TANK, PRESSURE SENSORS AND ANY OTHER MANUFACTURER REQUIREMENTS. 1 HP, 115V

NOTES: 1. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FINAL LOCATIONS AND MOUNTING DIMENSIONS OF ALL PLUMBING FIXTURES. PROVIDE ADA CONFORMING FACTORY INSULATION KIT ON HOT, COLD AND P-TRAP WASTE PIPING AT HANDICAP DESIGNATED LAVATORIES.
2. SEE EQUIPMENT SCHEDULE ON SHEET EQ1 FOR EQUIPMENT NOT LISTED.

PROFESSIONAL OF RECORD: ABIGAIL LEIGH BENJAMIN
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ON THE DATE WITHIN THE DIGITAL SIGNATURE ABOVE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED.THE SIGNATUREMUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

AECOM
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1255 BROAD STREET, SUITE 201
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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO v2025.Q1
WAWA STORE #8216
25 STREET PIKE,UPPER SOUTHAMPTON TOWNSHIP BUCKS COUNTY SOUTHAMPTON, PA-18966

SHEET TITLE
PLUMBING SCHEDULES

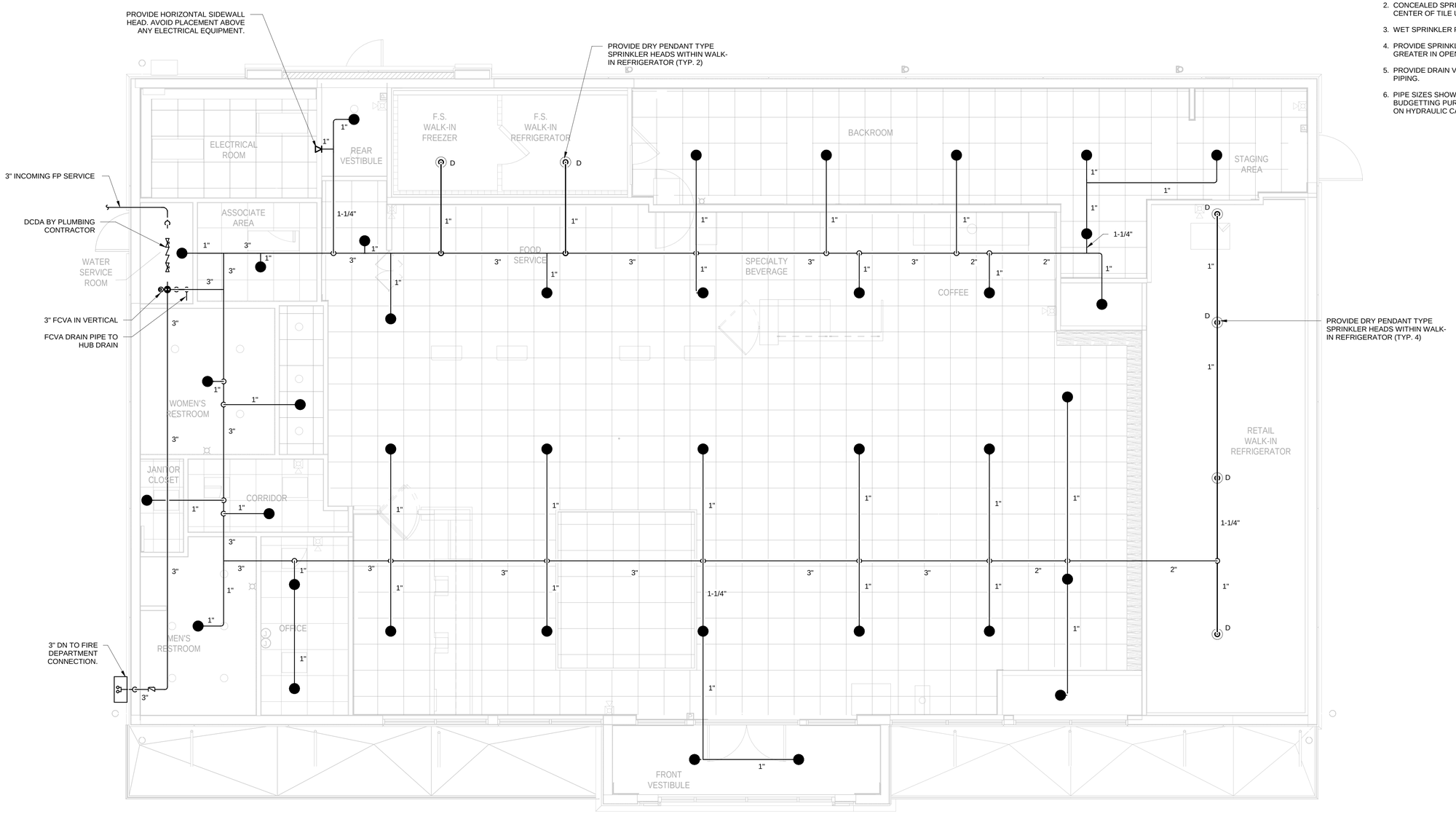
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ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/22/25

PROJECT NO. 60695812
DRAWN CM
CHECKED FA

8216
UPPER SOUTHAMPTON, PA

Wawa

P7.0



FIRE PROTECTION PLAN NOTES

1. CONTRACTOR TO VERIFY PIPE ROUTING IN FIELD.
2. CONCEALED SPRINKLER HEADS WITHIN ACT CEILING TO BE CENTER OF TILE UNLESS OTHERWISE NOTED.
3. WET SPRINKLER PIPE SIZES SHALL BE A MINIMUM OF 1".
4. PROVIDE SPRINKLER HEADS BELOW OBSTRUCTIONS 4'-0" WIDE OR GREATER IN OPEN CEILING AREAS.
5. PROVIDE DRAIN VALVES AT LOW POINTS IN SPRINKLER MAIN PIPING.
6. PIPE SIZES SHOWN ARE BASED ON NFPA PIPE SCHEDULE FOR BUDGETTING PURPOSES. SPRINKLER PIPING SHALL BE SIZED BASED ON HYDRAULIC CALCULATIONS BY FIRE SPRINKLER CONTRACTOR.

1 FP1.0 FIRE PROTECTION PLAN
1/4" = 1'-0"

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25 STREET PIKE,UPPER SOUTHAMPTON TOWNSHIP BUCKS COUNTY SOUTHAMPTON, PA-18966

SHEET TITLE
FIRE PROTECTION PLAN

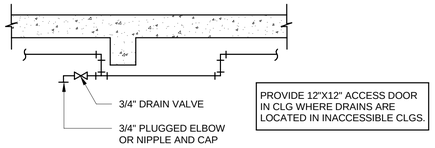
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REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB MIRROR PROTO v2025.Q1
PROJECT NO.	60699812
DRAWN	CM
CHECKED	FA

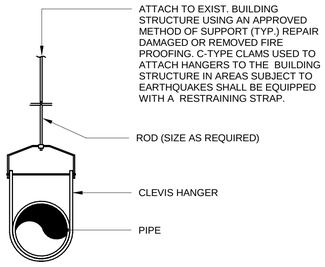
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UPPER SOUTHAMPTON, PA

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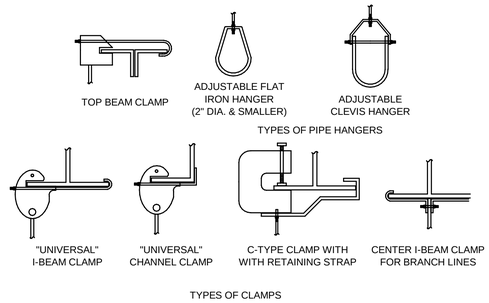
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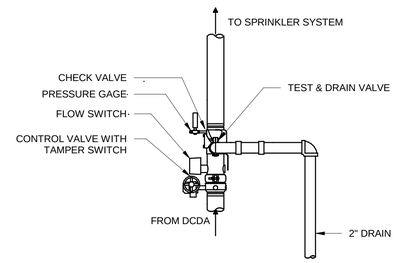
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NOT TO SCALE



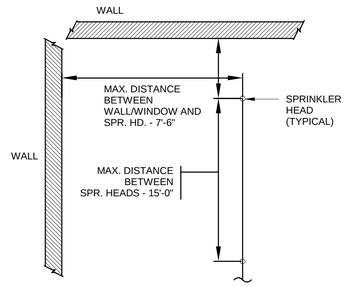
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NOT TO SCALE



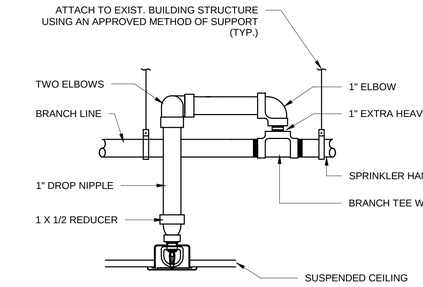
3 FP2.0 METHOD OF ACCEPTABLE PIPE SUPPORTS
NOT TO SCALE



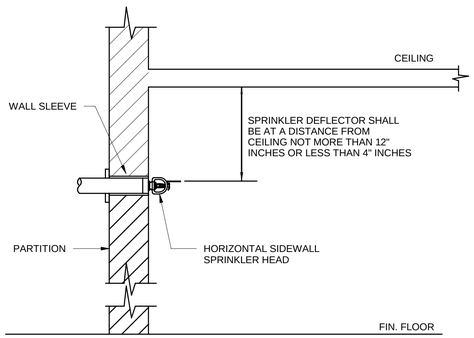
4 FP2.0 FLOOR CONTROL VALVE ASSEMBLY DETAIL
NOT TO SCALE



5 FP2.0 TYPICAL SRPINKLER SPACING DETAIL
NOT TO SCALE



6 FP2.0 SRPINKLER HEAD IN SUSPENDED CEILING DETAIL
NOT TO SCALE



7 FP2.0 HORIZONTAL TYPE SIDE WALL SPRINKLER HEAD DETAIL
NOT TO SCALE

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB MIRROR PROTO v2025.Q1
WAWA STORE #8216
25 STREET PIKE(UPPER SOUTHAMPTON TOWNSHIP BUCKS COUNTY SOUTHAMPTON, PA 18966

SHEET TITLE
FIRE PROTECTION DETAILS

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE
U45FB MIRROR PROTO v2025.Q1
PROJECT NO.
60699812
DRAWN
JT
CHECKED
CM

8216
UPPER SOUTHAMPTON, PA

Wawa

FP2.0

GENERAL NOTES

1. ALL SPRINKLER WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF N.F.P.A.-13 AND ALL LOCAL AUTHORITIES HAVING JURISDICTION.
2. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND SHALL INSTALL NEW WORK TO CLEAR DUCTWORK AND LIGHTING FIXTURES.
3. ALL SPRINKLER HEADS SHALL BE INSTALLED AT CENTER OF TILE UNLESS OTHERWISE NOTED.
4. GENERAL CONTRACTOR SHALL COORDINATE FINAL FURNITURE/EQUIPMENT HEIGHT ELEVATIONS AND LOCATIONS WITH SPRINKLER INSTALLATION. ENGINEER SHALL BE NOTIFIED WHEN FURNITURE/EQUIPMENT IS LESS THAN 18" TO UNDERSIDE OF CEILING.
5. THE SPRINKLER SYSTEMS ARE TO BE HYDROSTATIC TESTED FOR A (2) HOUR MINIMUM AT 200 LBS. PRESSURE AND ARE TO BE WITNESSED BY AUTHORIZED BUILDING PERSONNEL. COORDINATE ALL TESTING WITH BUILDING MANAGER.
6. PIPES SIZES SHOWN ARE BASED ON DESIGN PIPING LAYOUTS ONLY. ACTUAL PIPE SIZES SHALL BE DETERMINED BY HYDRAULIC CALCULATIONS.
7. DRAWING INDICATES SPRINKLER SYSTEM DESIGN ONLY. CONTRACTOR RESPONSIBLE FOR OFFSETS, DROPS AND RISES FOR COORDINATION WITH OTHER TRADES.
8. THERE SHALL BE AT LEAST ONE CERTIFIED FIRE WATCH ON DUTY WHEN WORK IS ONGOING AND SPRINKLER SYSTEM IS IMPAIRED. THE FIRE WATCH SHALL PERFORM CONSTANT PATROLS OF THE AREAS WITH IMPAIRED FIRE PROTECTION. ALL FIRE WATCH SHALL BE EQUIPPED WITH AT LEAST ONE APPROVED MEANS FOR NOTIFICATION.
9. G.C. SHALL BE RESPONSIBLE FOR ALL FINAL TESTS AND INSPECTIONS OF COMPLETED WORK REQUIRED BY THE AUTHORITY HAVING JURISDICTION PRIOR TO OCCUPANCY OF SPACE.
10. ALL SPRINKLER WORK SHALL BE TESTED AND MADE OPERATIONAL PRIOR TO FURNITURE INSTALLATION. G.C. SHALL REPAIR AND/OR REPLACE ALL FINISHES DAMAGED BY DEFECTIVE SPRINKLER WORK AT HIS EXPENSE.
11. G.C. SHALL BE RESPONSIBLE FOR OBTAINING PERMITS AND APPROVALS REQUIRED BY BUILDING INSPECTOR AND FIRE MARSHAL.
12. REFER TO ENGINEERING DRAWINGS FOR SPRINKLER HEADS, LIGHT SENSORS AND FIRE DETECTION DEVICES.
13. PIPE SIZE TO BE MINIMUM OF ONE INCH (1").
14. A FIRE WATCH GUARD WITH A CERTIFICATE OF FITNESS SHALL BE MAINTAINED DURING SHUT DOWNS AND ALL HOURS WHEN OPERATIONS ARE NOT IN PROGRESS. WATCH SERVICES SHALL BE CONDUCTED BY A COMPETENT PERSON. G.C. SHALL BE RESPONSIBLE FOR THE FIRE WATCH AND ALL PROTECTIVE MEASURES REQUIRED.
15. UPON COMPLETION OF ALL SPRINKLER WORK, CONTRACTOR SHALL TEST AND INSPECT ENTIRE SPRINKLER SYSTEM. ENTIRE SYSTEM SHALL BE FULLY OPERATIONAL AND APPROVED IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.
16. CONTRACTOR SHALL INCLUDE IN HIS BID THE COST TO PROVIDE (6) SIX ADDITIONAL SPRINKLERS. EXACT LOCATIONS OF THESE SPRINKLER HEADS SHALL BE DETERMINED IN FIELD.
17. THE CONTRACTOR SHALL PROVIDE SPRINKLER LAYOUT SHOP DRAWINGS AND HYDRAULIC CALCULATIONS, ALL SIGNED AND STAMPED BY A FIRE PROTECTION ENGINEER REGISTERED IN THE STATE OF PENNSYLVANIA. THESE DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO AND APPROVED BY THE AHJ AND OWNER'S INSURANCE CARRIER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL PROVIDE COPIES TO THE AHJ AND OWNER'S INSURANCE CARRIER'S APPROVALS WITH THEIR SHOP DRAWING SUBMITTAL.

SPRINKLER LEGEND

- SPRINKLER PIPING
- CONCEALED TYPE SPRINKLER HEAD WITH COVER PLATE
- D — DRY PENDENT SPRINKLER HEAD
- SIDEWALL TYPE SPRINKLER HEAD
- SPRINKLER CAPPED OUTLET
- FCVA — SPRINKLER FLOOR CONTROL VALVE ASSEMBLY
- PIPE DROP / TEE DROP
- TS TS — OS&Y VALVE W/TAMPER SWITCH

SPRINKLER PIPE SIZE SCHEDULE	
# OF SPR. HDS	PIPE SIZE
1-2	1"
3	1 1/4"
4-5	1 1/2"
6-8	2"
SPRINKLER LOOP	AS NOTED

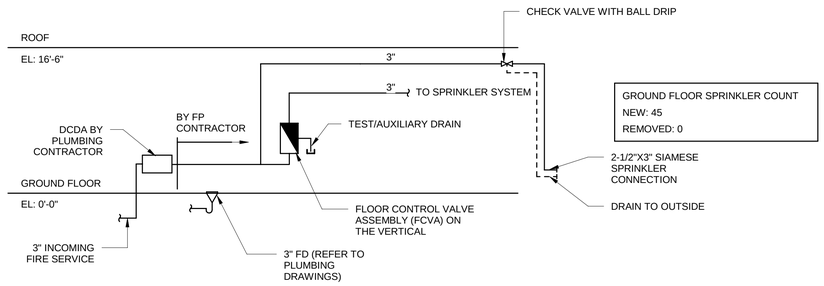
NOTE: FOR BRANCH PIPING ONLY.

DESIGN CRITERIA	
HYDRAULIC CALCULATIONS BASED ON THE FOLLOWING:	
OCCUPANCY:	LIGHT/ORDINARY HAZARD I
MINIMUM DESIGN DENSITY:	0.10/0.15 GPM/SQ.FT.
DESIGN AREA OF APPLICATION:	1500 SQ.FT.

1 FP3.0 FIRE NOTES
NOT TO SCALE

SPRINKLER SCHEDULE						
LEGEND	FINISH / TYPE	AREA	DENSITY	TEMP RATING	APPROVALS	MANUFACTURER
●	CONCEALED TYPE WITH WHITE COVER PLATE	HUNG CEILING AREAS	0.10/0.15 GPM/ SQ FT	165° F	UL, FM SIN # RA3415	RELIABLE MODEL G5-56 VICTAULIC MODEL V3802
►	CHROME FINISH	ELECTRICAL ROOM	0.15 GPM/ SQ FT	155° F	UL, FM SIN # RA3415	RELIABLE MODEL F1FR56 VICTAULIC MODEL V27, V34
⊗D	CHROME FINISH	AS NOTED	0.15 GPM/SQ. FT.	155° F	UL, FM SIN # R5714	RELIABLE MODEL F3QR56 OR APPROVED EQUAL

NOTE: COORDINATE ALL SPRINKLER COLOR FINISHES WITH ARCHITECT.
PROVIDE DECKTITE FLASHING RASCO #4003910 FOR ALL DRY SPRINKLER HEADS INSTALLED IN REFRIGERATED AREAS. INSTALL PER MANUFACTURER RECOMMENDATIONS.



2 FP3.0 SPRINKLER RISER DIAGRAM
NOT TO SCALE

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SHEET TITLE
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PROTOTYPE: U45FB MIRROR PROTO v2025.Q1
PROJECT NO. 60699812
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CHECKED CM

8216
UPPER SOUTHAMPTON, PA

Wawa

FP3.0

NOTES:

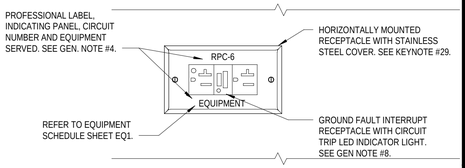
1. ALL OUTLETS & SWITCHES IN THE BUILDING AND CLOSET AREAS SHALL BE LABELLED WITH PANEL & CIRCUIT NUMBERS AND IDENTIFY EQUIPMENT SERVED. PROVIDE AN ADDITIONAL LABEL FOR ALL RPD AND RPG CIRCUITS STATING "FUEL EQUIPMENT ONLY". PROVIDE AN ADDITIONAL LABEL FOR ALL RPU CIRCUITS STATING "IT EQUIPMENT ONLY". A PROFESSIONAL LABEL MAKER SHALL BE UTILIZED FOR ALL LABELS. SEE DETAIL 2/EL1.0.
2. ELECTRICAL CONTRACTOR SHALL INSTALL (1) 2"X4" BACKBOX AT 48" WITH CONDUIT AND PULL STRING TO ABOVE CEILING FOR TELEPHONE LANDLINE. PROVIDE CLEAR, PERMANENT LABEL AT THIS PHONE STATING "911 EMERGENCY USE ONLY".
3. ALL WIRING IN CHECKOUT AREA TO BE MC CABLE AND INSTALLED WITHIN PANDUIT. SUPPLIED BY OTHERS. COORDINATE ALL RECEPTACLES IN THIS AREA WITH WAWA PROJECT MANAGER.
4. PROVIDE WET LOCATION, WHILE-IN-USE, BUBBLE COVERS FOR ALL RECEPTACLES IN THIS AREA.
5. DATA OUTLET BOX AND 20A SIMPLEX RECEPTACLE DEDICATED TO PRICE SIGN CONTROLLER E.C. TO COORDINATE INSTALLATION WITH SIGN CONTRACTOR.
6. FOR EXACT LOCATION OF ALL DEVICES IN MANAGERS OFFICE SEE ARCHITECTURAL DRAWINGS AND COORDINATE WITH WAWA PROJECT MANAGER.
7. FOR EXACT LOCATION OF ALL DEVICES IN ELECTRICAL ROOM COORDINATE WITH WAWA PROJECT MANAGER AND SHEET E6.0.
8. ELECTRICAL CONTRACTOR SHALL INSTALL (2)2x4 BACK BOXES MOUNTED HORIZONTALLY 6" APART AT 42" A.F.F. FOR THE TIME CLOCK. INSTALL CONDUIT AND PULL STRING TO ABOVE CEILING.
9. PHONE/DATA JACKS AND WIRE BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT, BOX & PULL STRING ONLY.
10. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY EMERGENCY STOP AND EMERGENCY STOP RE-SET BUTTONS. WAWA REQUIRES AN E-STOP TO BE LOCATED IN EACH CHECKOUT AND ONE ON THE BUILDING EXTERIOR. ADDITIONAL PUSH BUTTONS IN WINDOW MULLION MAY BE REQUIRED IN PENNSYLVANIA LOCATIONS. IN NEW JERSEY LOCATIONS BUTTONS ARE TO BE INSTALLED IN EACH GAS ATTENDANTS KIOSK LOCATED AT THE GAS ISLANDS. CONFIRM EXACT REQUIREMENTS WITH THE AUTHORITY HAVING LOCAL JURISDICTION.
11. ELECTRICAL CONTRACTOR SHALL INSTALL AND CONNECT FEED FROM RECEPTACLE PANEL TO FLUSH VALVE TRANSFORMERS MOUNTED ABOVE CEILING. WIRING FROM TRANSFORMERS TO VALVES BY OTHERS.
12. RECEPTACLES FOR ATM MACHINE TO BE CENTERED BEHIND MACHINE.
13. ALL RECEPTACLES FED FROM PANEL RPD & RPU SHALL BE ORANGE IN COLOR. HUBBELL # IG5362 OR APPROVED EQUAL.
14. FOOD SERVICE/COFFEE BACKWALL RECEPTACLES, LOCATED ABOVE COUNTER, DUPLEX GFI OR SIMPLEX, SHALL BE PROVIDED WITH STAINLESS STEEL COVER PLATES & SHALL BE MOUNTED IN THE HORIZONTAL POSITION.
15. ALL (GFI) GROUND FAULT INTERRUPT RECEPTACLES SHALL BE ALMOND DUPLEX RECEPTACLES WITH CIRCUIT TRIP LED INDICATOR LIGHT. HUBBELL # GF20WL OR APPROVED EQUAL. NO FEED THRU PROTECTION PERMITTED.
16. FIRE ALARM SYSTEM INSTALLED BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT, BOX, AND PULL STRING FOR ALL PULL STATIONS AND STROBES BOXES FOR PULL STATIONS NEED TO BE MOUNTED VERTICAL.
17. ELECTRICAL CONTRACTOR SHALL PROVIDE 208V, 30A, NEMA L6-30R RECEPTACLE WITH NEUTRAL WIRE.FEED FROM ABOVE THROUGH CONDUIT. COORDINATE ALL RECEPTACLE LOCATIONS IN THIS AREA WITH WAWA PROJECT MANAGER.
18. MOUNT THE GASOLINE EMERGENCY SHUT-OFF PUSH BUTTON 2" BACK FROM FACE OF CABINET. MOUNT UNDER CABINET TOP AND FACE FORWARD. (CHECK OUT)
19. PROVIDE (2) L5-30R FOR COMPUTER RACK PDU, MOUNTED AT 16" AFF.
20. PROVIDE WET LOCATION, CORROSION-RESISTANT, DIE CAST ALUMINUM, WHILE-IN-USE COVER. THOMAS & BETTS, RED DOT CODE KEEPER, SINGLE GANG MODEL, CAT. NO. CKLSVU. (EXTERIOR LOCATIONS)
21. MOUNT JUNCTION BOX FOR HVAC SENSOR AT 54". COORDINATE FINAL LOCATION WITH ARCHITECT.
22. A / V JACKS AND WIRE BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT, BOX & PULL STRING ONLY.
23. PROVIDE A RECEPTACLE & TELE/DATA OUTLET FOR LOTTERY EQUIPMENT AT ALL WAWA LOCATIONS.
24. EC SHALL PROVIDE AND CONNECT A NEW 50A, L15-50P PLUG TO WIRING PROVIDED WITH EQUIPMENT "B42". HUBBELL CAT.# HBL8452C OR APPROVED EQUAL.
25. RECEPTACLE TO BE LOCATED BEHIND MONITOR OR SIGNAGE. SEE SHEET G1.0 FOR EQUIPMENT LOCATION AND MOUNTING HEIGHT. CONCEAL POWER AND DATA CORDS BEHIND EQUIPMENT.
26. EC SHALL PROVIDE AND INSTALL A DUPLEX RECEPTACLE EITHER IN THE WALL ABOVE THE WINDOWS, MOUNTED 6" INCHES BELOW THE CEILING OR IN CEILING AT THIS LOCATION. RECEPTACLE MOUNTING LOCATION SHALL VARY PER WAWA STORE PROTOTYPE. REFER TO ARCHITECTURAL DRAWINGS AND DETAILS FOR WALL AND CEILING SECTIONS THROUGH THIS AREA.
27. GASOLINE EMERGENCY SHUT-OFF RESET PUSH BUTTON INSTALLED IN MANAGERS OFFICE AND ON CONTACTOR PANEL RPD. (REFER TO ARCHITECT'S DRAWINGS FOR EXACT MOUNTING LOCATION.)
28. SURFACE MOUNT RECEPTACLE AND DATA TO MOUNTING BRACKET BEHIND DIGITAL MONITORS. RUN FLEX METAL CONDUIT FROM ABOVE CEILING DOWN TO RECEPTACLE. RUN DATA AND POWER CABLES AND FLEX CONDUIT DOWN FROM CEILING IN SUPPORT PIPE. PROVIDE 10' OF SLACK IN CABLES AND FLEX CONDUIT ABOVE CEILING. PLUG (2) GOOSE SIGNS AT EACH END OF MONITORS AT EACH END RECEPTACLE. REFERENCE ARCHITECTURAL DETAIL.
29. MOUNT JUNCTION BOX FOR HVAC SENSOR AT 54" COORDINATE FINAL LOCATION WITH ARCHITECT.
30. PROVIDE ELECTRICAL FOR DOOR ENTRY KEYPAD AS REQUIRED.
31. PROVIDE JUNCTION BOX FOR EV CHARGERS & COORDINATE FINAL LOCATION AT SITE.

GENERAL NOTES:

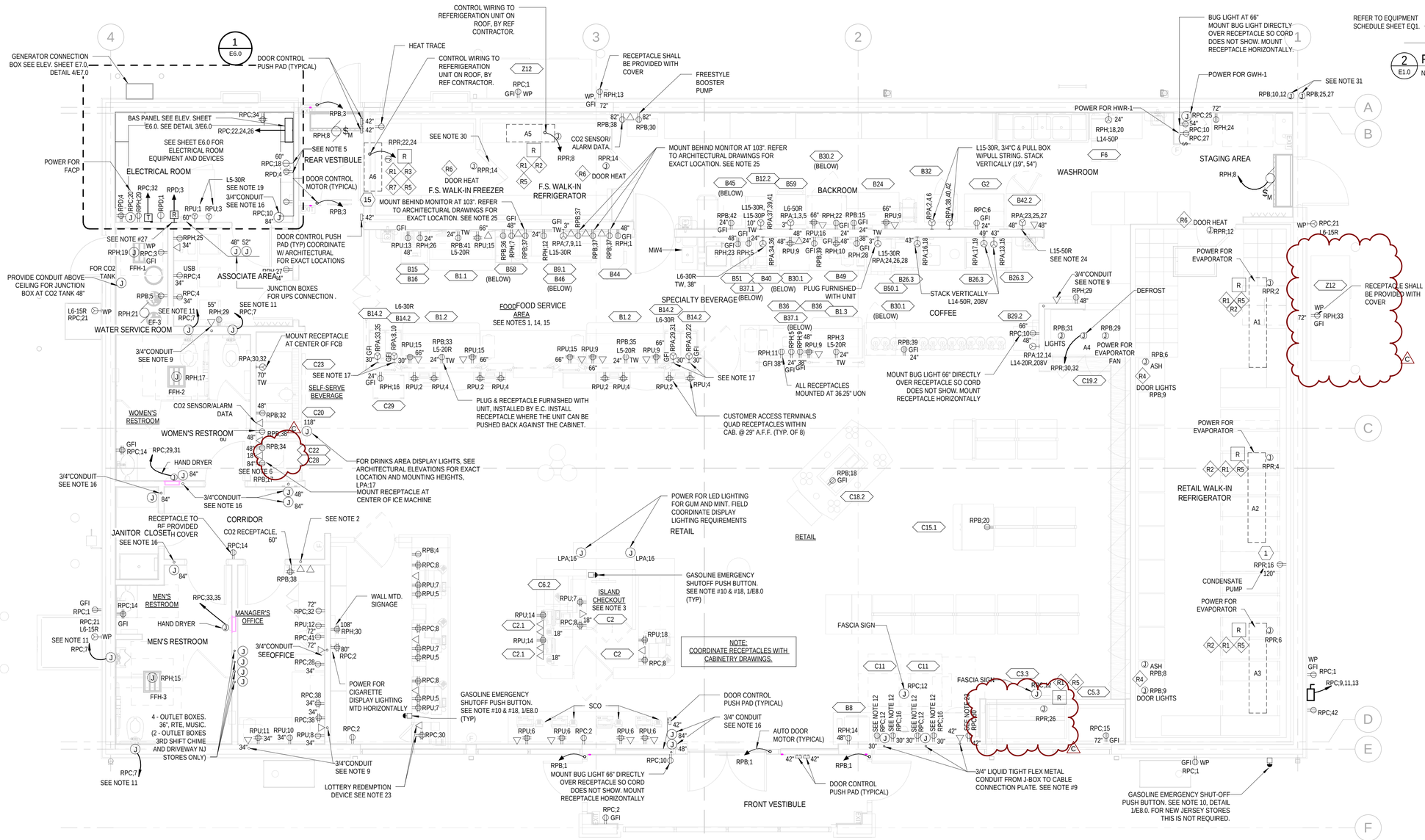
1. E.C. TO LABEL EACH RECEPTACLE AND EXHAUST FAN SWITCH WITH CIRCUIT NUMBER AND INTENDED USE.
2. ALL PHONE LINES TO BE GROUNDED. PROVIDE 120V SERVICE W/ ISOLATED GROUND RECEPTACLE AND SINGLE POINT GROUNDING FOR D.E.C./S.A.S.I. EQUIPMENT.
3. ALL BELLS SHALL BE 2-TONE, TRASH DOOR BELL SHALL BE DIFFERENT FROM DELIVERY DOORS. SEE SECURITY PLAN.
4. ALL OUTLETS & SWITCHES IN THE BUILDING AND CLOSET AREAS SHALL BE LABELED WITH PANEL & CIRCUIT NUMBERS AND IDENTIFY EQUIPMENT SERVED. PROVIDE AN ADDITIONAL LABEL FOR ALL RPD AND RPG CIRCUITS STATING "FUEL EQUIPMENT ONLY". PROVIDE AN ADDITIONAL LABEL FOR ALL RPU CIRCUITS STATING "IT EQUIPMENT ONLY". A PROFESSIONAL LABEL MAKER SHALL BE UTILIZED FOR ALL LABELS. SEE DETAIL 2/E1.0.
5. BELLS, BUZZERS, DELIVERY DOOR RELEASE, & ALL ASSOCIATED PUSH BUTTONS, SWITCHES, & WIRING ARE TO BE PROVIDED BY ALARM SYSTEM CONTRACTOR.
6. ALL RECEPTACLES FED FROM PANEL "RPU" SHALL BE ORANGE IN COLOR AND ISOLATED GROUND TYPE RECEPTACLES. HUBBELL #IG5362 OR APPROVED EQUAL.
7. ALL RECEPTACLES FED FROM PANEL "RPD" SHALL BE ORANGE IN COLOR AND ISOLATED GROUND TYPE RECEPTACLES. HUBBELL #IG5362 OR APPROVED EQUAL.
8. ALL GFI RECEPTACLES SHALL BE DUPLEX RECEPTACLES U.N.O. WITH LED INDICATOR LIGHT. LEVITON #6898-W OR APPROVED EQUAL. NO FEED THRU PROTECTION PERMITTED. SEE DETAIL THIS SHEET.
9. ALL 120 VOLT, 15 OR 20 AMP RECEPTACLES IN THIS AREA SHALL BE GFI TYPE. PROVIDE WEATHERRPROOF WITH "WHILE IN USE" COVERS WERE INDICATED (WP).
10. FOR DATA/TELEPHONE OUTLETS INDICATED ON THIS DRAWING PROVIDE BACK BOX AND CONDUIT TO ABOVE CEILING. REFER TO E4.0 & E10.0 FOR INSTALLATION DETAILS.
11. ALL RECEPTACLES SHALL BE MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
12. LIGHTING AND POWER BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN PANEL SCHEDULES OR ON PLANS.
13. THESE ELECTRICAL PLANS HAVE BEEN DESIGNED AND THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE.
14. ALL FINAL CONNECTIONS TO THE REFRIGERATION DOOR HEATERS AND REFRIGERATION LIGHTS ARE THE RESPONSABILITY OF THE GC.
15. RECEPTACLES OF 15 AND 20 AMPS, 120 AND 208 VOLTS INSTALLED IN WET LOCATION SHALL HAVE AN "IN USE" ENCLOSURE THAT IS WEATHERPROOF WHETHER OR NOT A CORD/PLUG IS INSERTED. OUTLET BOX HOOD INSTALLED FOR THIS PURPOSE SHALL BE LISTED AND IDENTIFIED AS "EXTRA DUTY".
16. ALL RECEPTACLES FED FROM PANEL RPD & RPU SHALL BE ORANGE IN COLOR. HUBBELL # IG5362 OR APPROVED EQUAL.

"R" DIAMOND REFRIGERATION NOTES:

1. REFRIGERATION SOLENOID: GENERAL CONTRACTOR SHALL PROVIDE SOLENOID POWER, RUN TO REFRIGERATION UNIT ON ROOF (208V). COORDINATE EXACT SOLENOID LOCATION, ROUTING, WIRE SIZE, AND QUANTITY WITH REFRIGERATION CONTRACTOR. EXPOSED WIRING ON THE ROOF SHALL BE INSTALLED IN SEAL TIGHT CONDUIT. FINAL TERMINATION PROVIDED BY REFRIGERATION CONTRACTOR.
2. EVAPORATOR FAN COIL (MEDIUM TEMPERATURE REFRIGERATORS): GENERAL CONTRACTOR SHALL PROVIDE FAN COIL POWER, FED FROM HOUSE PANEL, AND JUNCTION BOX ABOVE THE WALK-IN. MAINTENANCE SWITCH AND FINAL POWER CONNECTION SHALL BE PROVIDED BY THE REFRIGERATION CONTRACTOR.
3. EVAPORATOR FAN COIL (LOW TEMPERATURE FREEZER): GENERAL CONTRACTOR SHALL PROVIDE FAN COIL POWER AND DEFROST POWER, RUN TO REFRIGERATION UNIT ON ROOF (208V). COORDINATE EXACT LOCATION, ROUTING, AND WIRE SIZE WITH REFRIGERATION CONTRACTOR. EXPOSED WIRING ON THE ROOF SHALL BE INSTALLED IN SEAL-TIGHT CONDUIT. FINAL TERMINATION PROVIDED BY REFRIGERATION CONTRACTOR.
4. REACH-IN DOOR LIGHTS AND DOOR FRAME HEATERS: GENERAL CONTRACTOR SHALL PROVIDED POWER, FED FROM HOUSE PANEL AND JUCTION BOX. COORDINATE EXACT LOACTION OFJUNCTION BOX WITH REFRIGERATION CONTRACTOR. FINAL CONNECTION SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
5. TEMPERATURE SENSORS: TEMPERATURE SENSOR AND CONTROL WIRING SHALL BE PROVIDED BY THE REFRIGERATION CONTRACTOR.
6. KPS WALK-THRU DOOR HEATERS: GENERAL CONTRACTOR SHALL PROVIDE POWER, FED FROM HOUSE PANEL, AND JUNCTION BOX. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH REFRIGERATION CONTRACTOR. FINAL CONNECTION SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
7. FOOD SERVICE WALK-IN FREEZER: CONDENSATE PIPING HEAT TRACE SHALL BE PROVIDED BY THE REFRIGERATION CONTRACTOR AND POWERED THROUGH THE EVAPORATOR FAN CIRCUIT (208V).



2 RECEPTACLE IDENTIFICATION DETAIL
E1.0 NOT TO SCALE



1 ELECTRICAL POWER PLAN
E1.0 1/4" = 1'-0"

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M V2025.Q1
WAWA STORE #8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ELECTRICAL POWER PLAN

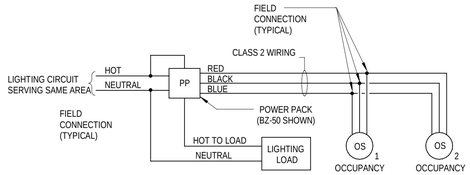
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PROTOTYPE	PROJECT NO.	DRAWN	CHECKED
U45FB M V2025.Q1	60098612		

8216
UPPER SOUTHAMPTON, PA

Wawa

E1.0



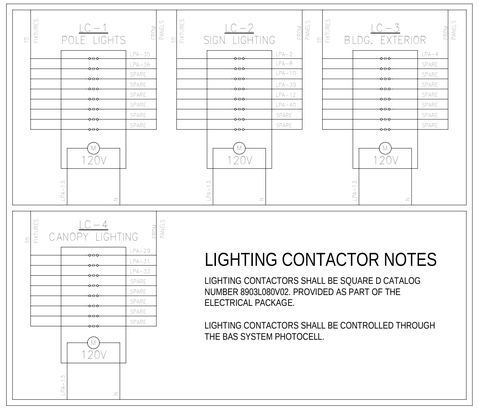
LOW VOLTAGE TYPE

NOTES:

1. KEEP CLASS 1 AND CLASS 2 WIRING SEPARATE. WHERE SEPARATION IS NOT POSSIBLE, USE A 600V INSULATED CABLE WITH A SHIELD FOR CLASS 2 WIRING. CONNECT THE SHIELD TO GROUND TO PROVIDE BETTER NOISE IMMUNITY.
2. WIRE COLORS SHOWN ARE FOR REFERENCE ONLY BASED ON WATTSTOPPER OCCUPANCY SENSORS. REFER TO MANUFACTURERS INSTRUCTION FOR ACTUAL WIRING INSTRUCTIONS.
3. REFER TO LIGHTING SYMBOL LEGEND FOR OCCUPANCY SENSOR TYPES AND DESCRIPTION.
4. ALL SENSORS SHALL BE INSTALLED IN THE LOCATIONS INDICATED ON LIGHTING PLAN.
5. PASSIVE INFRARED SENSORS SHALL BE AIMED SO AS TO MAXIMIZE THE COVERAGE AND TO AVOID DETECTION OUTSIDE OF THE AREA TO BE CONTROLLED. ADJUST SENSITIVITY FOR INFRARED SENSORS TO MAXIMUM AND ADJUST DOWN ON AN AS NEEDED BASIS.
6. WHENEVER POSSIBLE, SENSORS SHALL BE INSTALLED 6 FEET FROM AN AIR SUPPLY REGISTER AND ON A VIBRATION FREE SURFACE.
7. INITIAL TIME DELAY SETTINGS FOR ALL SENSORS SHALL BE SET TO NO LESS THAN 15 MINUTES.

2 TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM

E2.0 1/8"=1'-0"



LIGHTING CONTACTOR NOTES

LIGHTING CONTACTORS SHALL BE SQUARE D CATALOG NUMBER 8903LO80V02. PROVIDED AS PART OF THE ELECTRICAL PACKAGE.

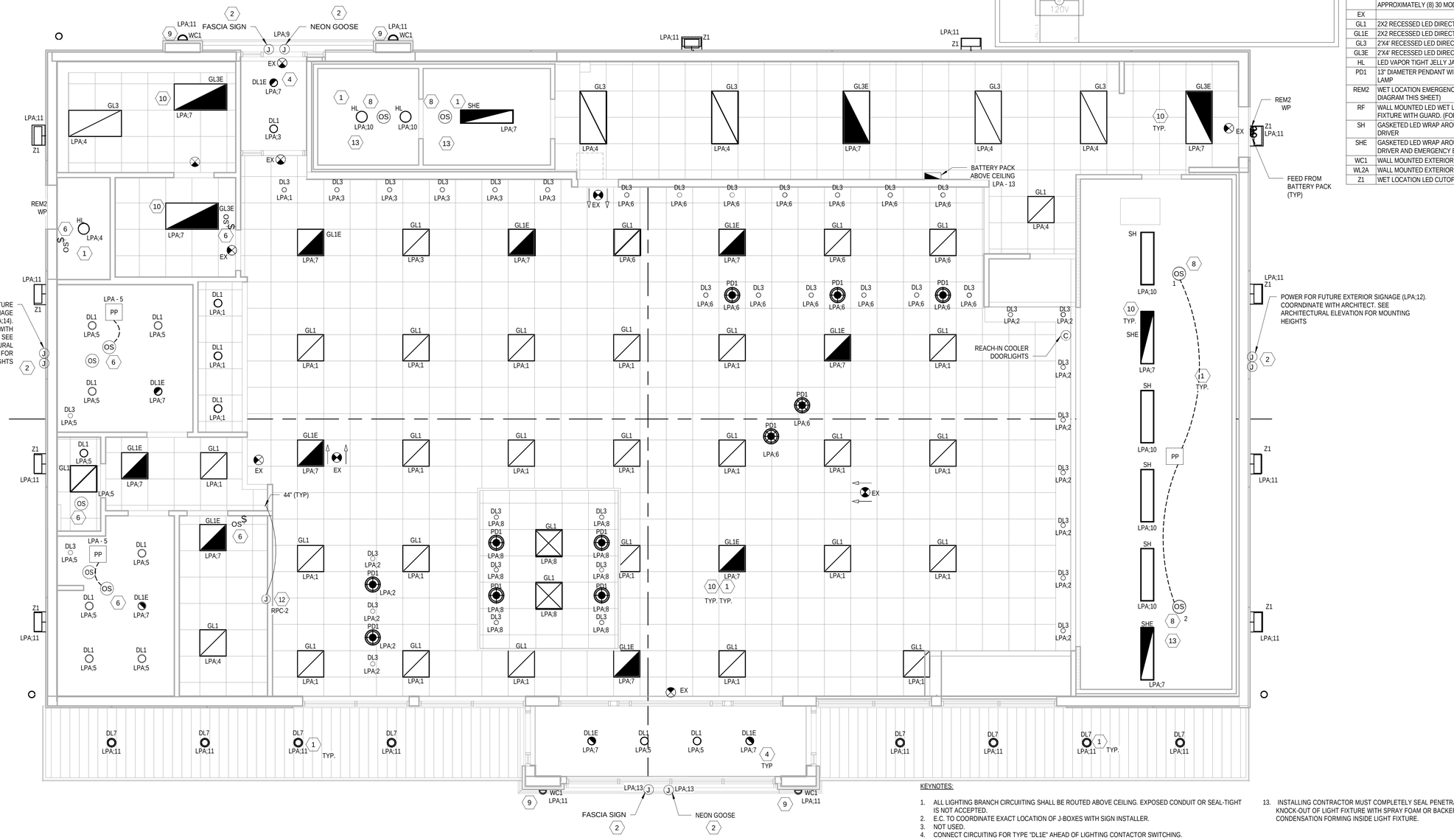
LIGHTING CONTACTORS SHALL BE CONTROLLED THROUGH THE BAS SYSTEM PHOTOCELL.

ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL INSTALL LIGHTING FIXTURES AND LAMPS FURNISHED BY WAWA.
2. NO SHARED NEUTRAL BETWEEN CIRCUITS SHALL BE PERMITTED.
3. REFER TO PROJECT SPECIFICATIONS FOR EXTENT OF LIGHTING PRODUCT SPECIFICATIONS.
4. LIGHTING FIXTURES SUPPORTED BY CEILING GRID SHALL ALSO BE SUPPORTED BY HANGWIRES. FIXTURES WEIGHTING LESS THAN 10 LBS SHALL BE SUPPORTED BY (1) 12 GUAGE WIRE CONNECTED FROM FIXTURE TO STRUCTURE ABOVE. FIXTURES WEIGHTING MORE THAN 10 LBS SHALL BE SUPPORTED BY (2) 12 GUAGE WIRES CONNECTED FROM OPPOSITE CORNERS OF THE FIXTURE TO THE STRUCTURE ABOVE. HANGWIRE CONNECTIONS SHALL MEET APPROVAL OF THE AHJ.

LIGHT FIXTURE SCHEDULE

TYPE	SPECIFICATION
	<varies>
DL1	RECESSED 6" LED DOWNLIGHT
DL1E	RECESSED 6" LED DOWNLIGHT WET LOCATION ELECTRONIC BALLAST AND EMERGENCY BALLAST
DL3	RECESSED 4" LED DOWNLIGHT WET LOCATION
DL7	RECESSED 6" LED DOWNLIGHT WET LOCATION
EL1	WET LOCATION LED MODULES WITH REMOTE POWER SUPPLY - APPROXIMATELY (8) 30 MODULE STRINGS
EX	
GL1	2X2 RECESSED LED DIRECT/INDIRECT
GL1E	2X2 RECESSED LED DIRECT/INDIRECT. EMERGENCY BATERY PACK
GL3	2'X4' RECESSED LED DIRECT/INDIRECT
GL3E	2'X4' RECESSED LED DIRECT/INDIRECT AND EMERGENCY POWER BATTERY
HL	LED VAPOR TIGHT JELLY JAR WITH GLASS GLOBE CAST GUARD
PD1	13" DIAMETER PENDANT WITH WHITE ACRYLIC DIFFUSER AND SCREW IN LED LAMP
REM2	WET LOCATION EMERGENCY (DUAL HEADS) FED FROM BATTERY PACK (SEE DIAGRAM THIS SHEET)
RF	WALL MOUNTED LED WET LOCATION FIXTURE WITH GUARD. (FOR USE IN ROOF POCKET SEE DWG #E3).
SH	GASKETED LED WRAP AROUND UL WET LABEL WITH LOW TEMPERATURE DRIVER
SHE	GASKETED LED WRAP AROUND UL WET LABEL WITH LOW TEMPERATURE DRIVER AND EMERGENCY BATTERY PACK
WC1	WALL MOUNTED EXTERIOR LED FIXTURE. WEATHER-PROOF, UL WET LABEL
WL2A	WALL MOUNTED EXTERIOR LED FIXTURE. WEATHER-PROOF, UL WET LABEL
Z1	WET LOCATION LED CUTOFF WALL MOUNTED AREA LIGHT WITH GLARE SHIELDS



1 ELECTRICAL LIGHTING PLAN

E2.0 1/4" = 1'-0"

KEYNOTES:

1. ALL LIGHTING BRANCH CIRCUIITING SHALL BE ROUTED ABOVE CEILING. EXPOSED CONDUIT OR SEAL-TIGHT IS NOT ACCEPTED.
2. E.C. TO COORDINATE EXACT LOCATION OF J-BOXES WITH SIGN INSTALLER.
3. NOT USED.
4. CONNECT CIRCUITING FOR TYPE "DL1E" AHEAD OF LIGHTING CONTACTOR SWITCHING.
5. NOT USED.
6. PROVIDE MOTION DETECTOR OCCUPANCY SENSORS WITH DETECTION DISTANCE RATINGS TO ALLOW THE SENSORS TO FUCNTION PROPERLY AT THE LOCATIONS SHOWN ON THIS PLAN.
7. NOT USED.
8. PROVIDE (SENSOR SWITCH IP-CRM-10-LT) OCCUPANCY SENSOR.
9. FIXTURE SHALL BE SECURED TO WALL AT (2) POINTS TO PREVENT MOVEMENT/ROTATION.
10. PROVIDE POWER TO THE EMERGENCY BALLAST OF THIS FIXTURE AHEAD OF ANY SWITCHING, DIRECT FROM BREAKER. CIRCUIT TO NORMAL FIXTURE BALLAST THROUGH LIGHTING CONTACTOR.
11. NOT USED.
12. WALL MOUNTED LIGHTED WAWA SIGN WITH DISCONNECT SWITCH (MULBERRY #30482, SINGLE POLE, 20 AMP). DISCONNECT SWITCH TO BE LOCATED WITHIN SITE OF SIGN. TRANSFORMER TO BE MOUNTED TO WALL ABOVE CEILING. SEE DETAIL #5A ON SHEET A9.1 FOR MOUNTING OF ELECTRICAL BOX AND SIGN.
13. INSTALLING CONTRACTOR MUST COMPLETELY SEAL PENETRATION THROUGH WALK-IN BOX CEILING AND KNOCK-OUT OF LIGHT FIXTURE WITH SPRAY FOAM OR BACKER-ROD AND SILICONE SEALANT TO PREVENT CONDENSATION FORMING INSIDE LIGHT FIXTURE.

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA

SHEET TITLE
ELECTRICAL LIGHTING PLAN

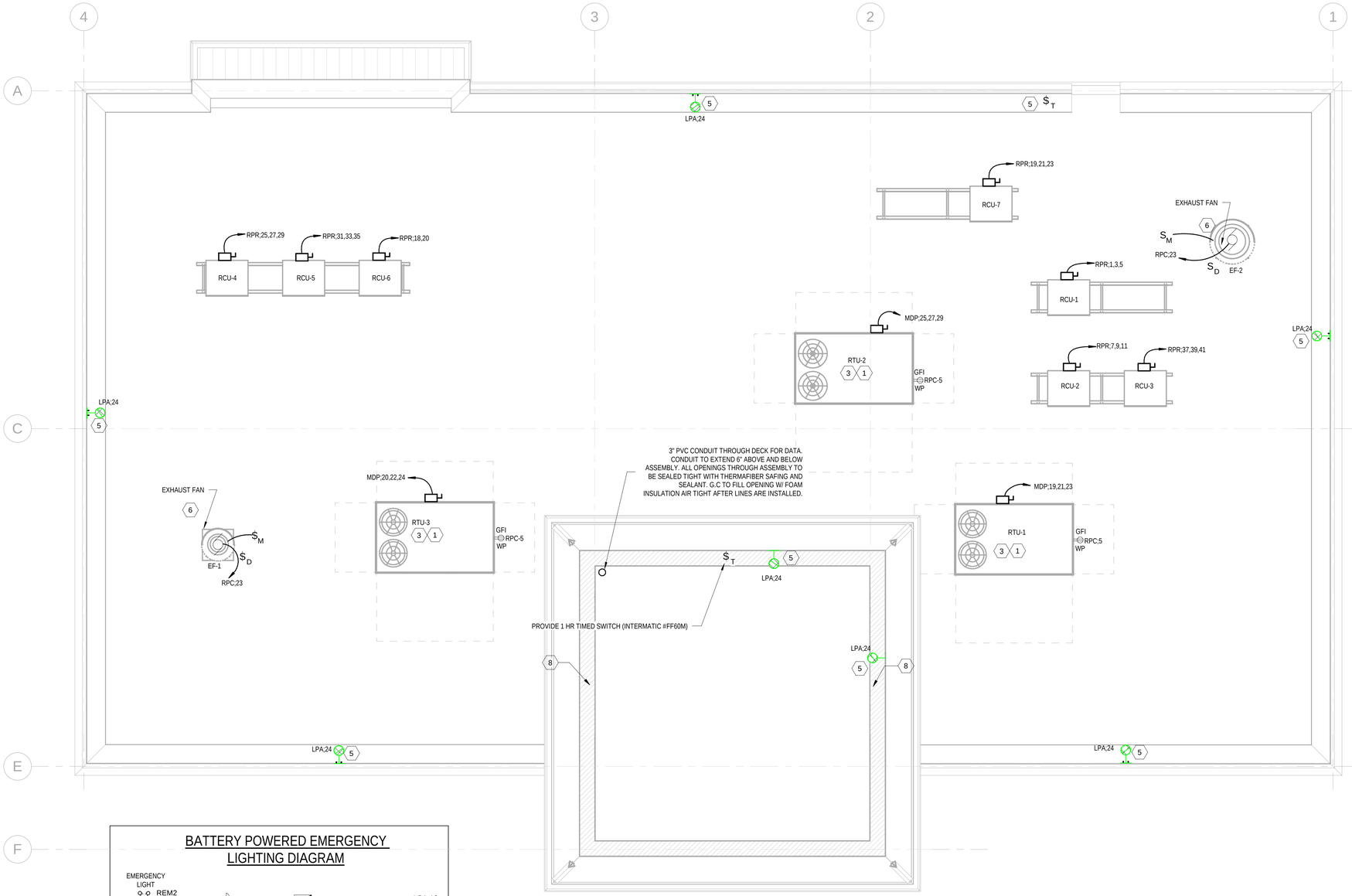
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60699812
DRAWN	
CHECKED	

8216
UPPER SOUTHAMPTON, PA

Wawa

E2.0



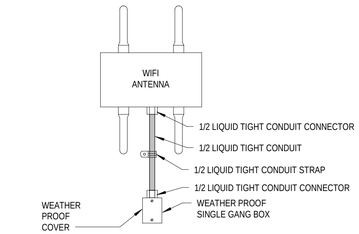
1 E3.0 ELECTRICAL ROOF PLAN
1/4" = 1'-0"

GENERAL NOTES:

1. E.C. TO LABEL EACH RECEPTACLE AND EXHAUST FAN SWITCH WITH CIRCUIT NUMBER AND INTENDED USE.
2. ALL GFI RECEPTACLES SHALL BE DUPLEX RECEPTACLES U.N.O. WITH LED INDICATOR LIGHT. LEVITON #6898-W OR APPROVED EQUAL. NO FEED THRU PROTECTION PERMITTED. SEE DETAIL 2/E1.0.
3. WHERE WEATHERPROOF COVERS ARE DENOTED, PROVIDE 'WHILE-IN-USE' COVERS.
4. ALL RECEPTACLES SHALL BE MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
5. E.C. TO COORDINATE INSTALLATION OF ALL ROOF MOUNTED LIGHTING FIXTURES WITH ROOFING CONTRACTOR TO PROVIDE A STRUCTURALLY SOUND AND WEATHERPROOF "LEAK FREE" INSTALLATION.

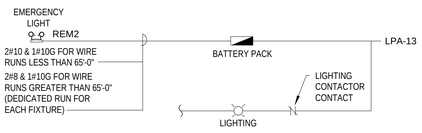
KEYNOTES: (X)

1. MAIN DISCONNECT PROVIDED WITH UNIT. CONVENIENCE OUTLET RECEPTACLE PROVIDED WITH UNIT. CIRCUIT OUTLET TO RPC-5.
2. E.C. SHALL PROVIDE COMPLETE CONDUIT/CONDUCTOR SYSTEM FROM MDP TO UNIT VIA DISCONNECT.
3. E.C. SHALL PROVIDE COMPLETE CONDUIT/CONDUCTOR SYSTEM FROM MDP TO SINGLE POINT CONNECTION AT UNIT.
4. PROVIDE SUPPORT RACK ATTACHED TO UNIT AS REQUIRED TO MOUNT ELECTRICAL EQUIPMENT.
5. E.C. SHALL PROVIDE (6) LIGHTING FIXTURES (BASIS OF DESIGN - VAPOLET VFN42CUW-LP-PG). PROVIDE WEATHERPROOF SWITCH WITH TIMER NEAR ACCESS LADDER/DOOR. FIXTURES AND SWITCH TO BE SURFACE MOUNTED 6" BELOW TOP OF WALL OR 48" AFF IN TOWER. PROVIDE COMPLETE CONDUIT/CONDUCTOR SYSTEM FOR FIXTURES AND SWITCH BACK TO POWER PANEL IN ELECTRICAL ROOM.
6. E.C. SHALL PROVIDE NEMA 3R MAIN DISCONNECT IF NOT PROVIDED WITH UNIT AND COMPLETE CONDUIT/CONDUCTOR SYSTEM FROM PANELBOARD TO THE UNIT.
7. ELECTRICAL POWER TO MASTER-BILT UNIT TO RUN THROUGH PROVIDED GOOSENECK NEXT TO UNIT. DO NOT CREATE SEPARATE ROOF PENETRATION.
8. ELECTRICAL CONTRACTOR SHALL REFER TO DETAIL 2/E4.0 FOR INSTALLATION OF ANTENNAS ON TOWER WALL.



2 E3.0 WIRELESS ANTENNA TOWER WALL
NOT TO SCALE

BATTERY POWERED EMERGENCY LIGHTING DIAGRAM



SYMBOL LEGEND

	BATTERY UNIT TO MEET ALL STATE & LOCAL CODES. MOUNT TO WALL ABOVE CEILING AT LOCATION SHOWN ON PLAN.	(C)	WIRE COIL FOR FUTURE USE
		(J)	JUNCTION BOX WALL MTD
	EXIT LIGHT - CEILING MOUNTED DOUBLE FACE	(J)	JUNCTION BOX CEILING MTD.
	EXIT LIGHT - CEILING MOUNTED SINGLE FACE	$	SWITCH, 44" AFF UNO.
	EXIT LIGHT -/WALL MOUNTED/NTED	$3	3 WAY SWITCH
	EMERGENCY REMOTE HEAD (DOUBLE)	$OS	WALL MOUNTED MOTION DETECTOR-OCCUPANCY SENSOR (SET SENSOR TO 20 MINUTES SHUT OFF)
		$T	SWITCH WITH TIME DELAY
(OS)	CEILING MOUNTED MOTION DETECTOR-OCCUPANCY SENSOR (SET SENSOR TO 20 MINUTES SHUT OFF)	(M)	MUZAK SPEAKER WITH VOLUME CONTROL
PP	MOTION DETECTOR-OCCUPANCY SENSOR POWER PACK, 120V, WATTSTOPPER CAT.# BZ-50 OR APPROVED EQUAL (SET SENSOR TO 20 MINUTES SHUT OFF)	(M)	WALL MOUNT MUZAK SPEAKER WITH VOLUME CONTROL

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ELECTRICAL ROOF PLAN

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	PROJECT NO.	DRAWN	CHECKED
U45FB M v2025.Q1	60699812		

8216
UPPER SOUTHAMPTON, PA

Wawa

E3.0

NOTES:

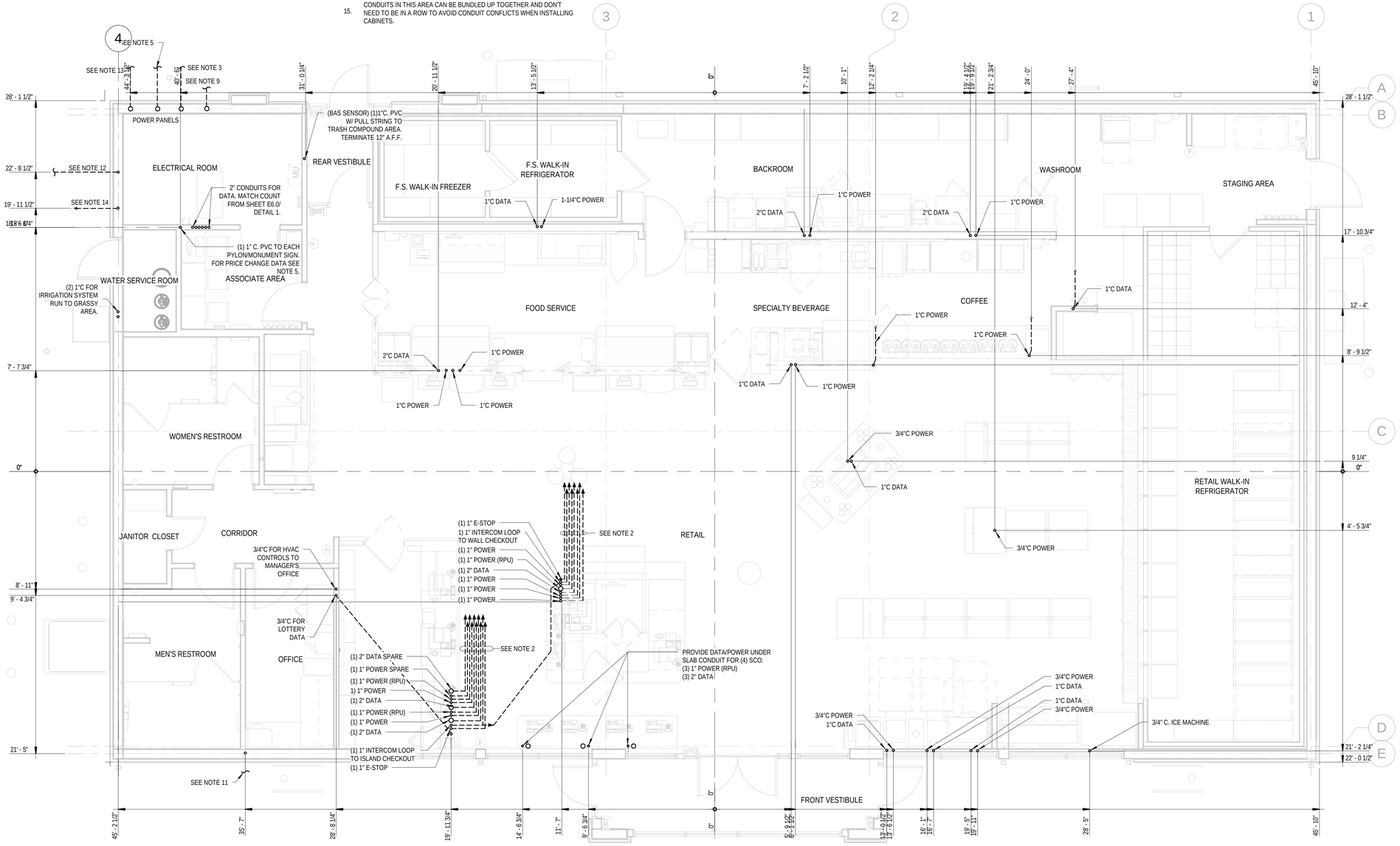
1. CONDUITS TO BE RUN FROM FLOOR STUB-UP LOCATION TO ELECTRICAL ROOM UNLESS NOTED OTHERWISE. FIELD COORDINATE LOCATION IN ELECTRICAL ROOM. REFER TO POWER PLAN, PANEL SCHEDULES AND ELECTRICAL ROOM ELEVATIONS FOR MORE INFORMATION.
2. THE ELECTRICAL CONTRACTOR SHALL EXTEND ALL ELECTRICAL CONDUITS FROM THE STORE TO THE EDGE OF THE CONCRETE CANOPY PAD AND AND TANK PAD.
   PETROLEUM CONTRACTOR TO RUN ALL CONDUITS UNDER CANOPY PAD TO CANOPY COLUMNS AND COORDINATE THE HEIGHT OF THE SEAL OFF FITTINGS WITH THE OPENINGS PROVIDED IN THE STEEL COLUMNS. GENERAL CONRACTOR TO CONNECT AT SEAL OFF FITTINGS IN COLUMNS FOR CONDUIT RUNS FOR LIGHTING AND INTERCOM.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT TO 1ST AIR MACHINE AND ELECTRICAL CONTRACTOR NEEDS TO LOOP OVER TO 2ND AIR MACHINE (1-1" POWER CONDUIT TO BE RUN FROM SITE LIGHT CONDUIT), INCLUDING BUT NOT LIMITED TO, TRENCHING AND/OR EXCAVATION. COORDINATE LOCATION OF CONDUITS WITH PETROLEUM CONTRACTOR.
4. PROVIDE 1" CONDUIT TO SITE BACKFLOW PREVENTER IF REQUIRED. SEE FIRE ALARM PLAN SHEET.
5. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THREE DEDICATED CONDUITS TO EACH PYLON/MONUMENT SIGN:

   FROM ELECTRICAL ROOM:
   1 - 1" DATA FOR PRICE SIGN DIGITS
   1 - 1" POWER FOR PYLON/MONUMENT SIGN DIGITS.
   1 - 1" POWER FOR THE SIGN LIGHTING AND GENERAL DUTY RECEPTACLE.
   ALSO PROVIDE(2) 3/4"C BETWEEN SIGNS WHEN THERE ARE (2) OR MORE SIGNS

   THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A DEDICATED SIMPLEX OUTLET TO PRICE CHANGE CONTROLLER. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A 20 AMP WEATHERPROOF GFCI RECEPTACLE POWERED FROM A SEPARATE GENERAL PURPOSE CIRCUIT AT THE BASE OF EACH PYLON/MONUMENT SIGN.
6. DIMENSIONS BASED OFF OF CENTER LINES OF THE BUILDING. (TYP.)
7. AS FIELD CONDITIONS WARRENT, MULTIPLE POWER CIRCUIT CONDUIT ROUTINGS SHOWN ON THIS PLAN MAY BE RECONFIGURED TO REDUCE THE QUANTITY OF CONDUITS. EC SHALL FOLLOW NEC ARTICLE 310.15 & CHAPTER 9, TABLE #1 AS REQUIRED.
8. CONDUIT FOR FUEL TANK MONITOR SYSTEM SHALL BE ROUTED ABOVE CEILING TO MANAGER'S OFFICE. CONDUIT SHALL THEN BE EXTENDED TO FUEL TANK MONITOR RESET ON OFFICE WALL. REFER TO ARCHITECT'S DRAWINGS FOR EXACT MOUNTING LOCATION.
9. SITE CONDUITS TO BE COORDINATED WITH SITE SPECIFIC REQUIREMENTS
   (2) 1" PVC FOR SITE LIGHTING
   (2) 1" PVC TO EACH ID SIGN (IF REQUIRED)
   (1) 3/4" PVC TO AIR PUMP (SEE NOTES 3)
   (1) 2" PVC FOR FUTURE MONITORING AT TRANSFORMER
   (1) 1" PVC SPARE CONDUIT
   (1) 1" PVC FOR OIL WATER SEPARATOR (IF REQUIRED)
   (1) 1" PVC TO TAMPER SWITCHES AT BACKFLOW PREVENTER (IF REQUIRED BY AHJ. SEE FIRE ALARM PLAN.(SEE NOTES 4)
   (4) 3" PVC TO TRANSFORMER SECONDARY SERVICE CONDUCTORS AND SPARES. SEE ONE-LINE DIAGRAM.
10. STUB UP TO JUNCTION BOX. PROVIDE LIQUID TIGHT FLEX METAL CONDUIT FROM J-BOX TO RECEPTACLES IN THIS AREA. MOUNT RECEPTACLES ON INSIDE FACE OF COUNTER BACKWALL. COORDINATE RECEPTACLE LOCATIONS TO ALLOW FOR EQUIPMENT TO BE PUSHED BACK TO COUNTER BACKWALL.
11. IF REQUIRED THIS PROJECT PROVIDES THE FOLLOWING: (1)1"C FROM PANEL RPH TO THE SITE LIFT STATION. (1) 1" CONDUIT FROM LIFT STATION TO OFFICE FOR ALARM COORDINATE WITH CIVIL.
12. (3) 4" PVC CONDUITS FOR PHONE SERVICE. TERMINATE CONDUITS AT SITE PHONE UTILITY ACCESS BOX/PEDESTAL OR UTILITY POLE.
13. IN ADDITION TO THOSE SHOWN ON SHEET E1.0, ADD (1) GASOLINE EMERGENCY SHUTOFF AT THE STREET SIDE OF THE GAS CANOPY. POSITION JUST OFF THE CURB ON THE GRASS, CENTERED ON THE GAS CANOPY. MOUNT AT 48" A.F.G. ON 6X6 CONCRETE POST.
14. FOR FUEL CONDUITS SEE SHEET E6.0 FOR MORE INFORMATION.
15. CONDUITS IN THIS AREA CAN BE BUNDLED UP TOGETHER AND DON'T NEED TO BE IN A ROW TO AVOID CONDUIT CONFLICTS WHEN INSTALLING CABINETS.

GENERAL NOTES:

1. REFER TO SHEET E4.0 FOR ROOF PLAN AND ADDITIONAL ELECTRICAL REQUIREMENTS AND EQUIPMENT CONNECTIONS.
2. REFER TO SHEET E6.0 FOR ADDITIONAL ELECTRICAL ROOM INFORMATION.
3. COORDINATE CONDUIT REQUIREMENTS AND LOCATIONS WITH ALL OF THE SITE AND PETROLEUM CONTRACTORS.



1 E4.0 ELECTRICAL CONDUIT PLAN
1/4" = 1'-0"

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ELECTRICAL CONDUIT PLAN

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	PROJECT NO.	DRAWN	CHECKED
U45FB M v2025.Q1	60696812		

8216
UPPER SOUTHAMPTON, PA

Wawa

E4.0

Branch Panel: LPA

LOCATION: ELECTRICAL ROOM 19 | **BUS AMPS:** 225 A
SUPPLY FROM: MDP | **MAIN SIZE/TYPE:** 225 A
MOUNTING: Surface | **VOLTS/PHASE:** 208/120V, 3PH, 4W
ENCLOSURE: Type 1 | **A.I.C. RATING:** 10/65 kAIC SERIES

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	B	C	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1	Retail Area Lighting	12	20 A	1	1282 VA / 396 VA			1	20 A	12	Soffit Lighting	2
3	Food Service Area Lights	12	20 A	1		150 VA / 407 VA		1	20 A	12	Back of House Lighting	4
5	Restroom/Vestibule Lighting	12	20 A	1			476 VA / 506 VA	1	20 A	12	Coffee Area Lights	6
7	Emergency/Exit Lighting	12	20 A	1	1025 VA / 296 VA			1	20 A	12	Checkout Lighting	8
9	Fascia Sign/Neon Goose (Rear)	12	20 A	1		500 VA / 376 VA		1	20 A	12	Walk-in Lights	10
11	Exterior Lighting	12	20 A	1			1603 VA / 0 VA	1	20 A	12	Future Building Signage	12
13	Fascia Sign/Neon Goose (Front)	12	20 A	1	500 VA / 0 VA			1	20 A	12	Future Building Signage	14
15	Spare	--	20 A	1		0 VA / 500 VA		1	20 A	12	Gum Lighting	16
17	Beverage Display Graphics	12	20 A	1			500 VA / 0 VA	1	20 A	--	Spare	18
19	Spare	--	20 A	1	0 VA / 0 VA			1	20 A	--	Spare	20
21	Spare	--	20 A	1		0 VA / 0 VA		1	20 A	--	Spare	22
23	Spare	--	20 A	1			0 VA / 931 VA	1	20 A	12	Roof Lighting	24
25	Spare	--	20 A	1	0 VA / 0 VA			1	20 A	--	Spare	26
27	Spare	--	20 A	1		0 VA / 0 VA		1	20 A	--	Spare	28
29	Canopy Lighting #1	12	20 A	1			500 VA / 500 VA	1	20 A	12	Canopy Lighting #2	30
31	Canopy Lighting #3	12	20 A	1	500 VA / 500 VA			1	20 A	12	Canopy Lighting #4	32
33	Spare	--	20 A	1		0 VA / 0 VA		1	20 A	--	Spare	34
35	Site Lighting	12	20 A	1			1600 VA / 1600 VA	1	20 A	12	Site Lighting	36
37	Primary Price Sign Digits	12	20 A	1	960 VA / 960 VA			1	20 A	12	Secondary Price Sign	38
39	Primary Pylon/Lighting	12	20 A	1		1000 VA / 1000 VA		1	20 A	12	Secondary Pylon/Lighting	40
41	Primary Pylon/Rec	12	20 A	1			900 VA / 900 VA	1	20 A	12	Secondary Pylon/Rec	42
	LOAD PER PHASE:				6413 VA	3917 VA	10000 VA					

LOAD CLASSIFICATION	CONN. LOAD	DF	EST. DEMAND	PANEL TOTALS	
Receptacle	1800 VA	100.00%	1800 VA	TOTAL CONNECTED LOAD:	20329 VA
Lighting	18530 VA	125.00%	23162 VA	TOTAL ESTIMATED DEMAND:	24962 VA
				TOTAL CONNECTED CURRENT:	56 A
				TOTAL ESTIMATED DEMAND CURRENT:	69 A

NOTES:
OL - REFER ONE LINE DIAGRAM ON SHEET E8.0

Branch Panel: RPC

LOCATION: ELECTRICAL ROOM 19 | **BUS AMPS:** 225 A
SUPPLY FROM: MDP | **MAIN SIZE/TYPE:** 225 A
MOUNTING: Surface | **VOLTS/PHASE:** 208/120V, 3PH, 4W
ENCLOSURE: Type 1 | **A.I.C. RATING:** 10/65 kAIC SERIES

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	B	C	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1	Exterior Receptacles	10	20 A	1	2700 VA / 2060 VA			1	20 A	10	Vestibule Receptacle/Cigarette Display Light	2
3	Irrigation System	12	20 A	1			540 VA / 540 VA	1	20 A	12	Associates Area Receptacles	4
5	Roof Receptacles	10	20 A	1			2040 VA / 180 VA	1	20 A	12	Cooling Table (G2)	6
7	Automatic Flush Valves	12	20 A	1	600 VA / 2160 VA			1	20 A	12	Drop Safe	8
9	Trash Compactor (D5)	12	20 A	3		1270 VA / 720 VA		1	20 A	12	Bug Light	10
11							1270 VA / 500 VA	1	20 A	12	ATM (C11)	12
13					1270 VA / 900 VA			1	20 A	12	Restroom Receptacles	14
15	Ice Machine (C5.2)	12	20 A	1			970 VA / 500 VA	1	20 A	12	ATM (C11)	16
17	Walk-in Heat Trace	12	20 A	1			950 VA / 500 VA	1	20 A	12	Price Sign Controller	18
19	Spare	--	20 A	1	0 VA / 180 VA			1	20 A	12	FACP JB	20
21	Powerwash Receptacles	12	15 A	1		1230 VA / 200 VA						22
23	Exhaust Fan (Roof)	12	20 A	1			1000 VA / 200 VA	3	20 A	12	BAS Panel (CC-3)	24
25	GWH-1	12	20 A	1	400 VA / 200 VA							26
27	HWR-1	12	20 A	1		500 VA / 360 VA		1	20 A	12	Printer	28
29	Hand Dryer (Women's)	12	20 A	2			730 VA / 500 VA	1	20 A	12	Lottery Machine	30
31					730 VA / 360 VA			1	20 A	12	Bell/Buzzer/Radio/XFMR	32
33	Hand Dryer (Men's)	12	20 A	2		730 VA / 100 VA		1	20 A	12	BAS (CC-1) & JACE	34
35							730 VA / 1560 VA	1	20 A	12	Air Pump #1	36
37	Panel RPU	4	70 A	2	8800 VA / 720 VA			1	20 A	12	Manager's Office Receptacles	38
39						6260 VA / 1560 VA		1	20 A	12	Air Pump #2	40
41	Digital Display/Media Power	12	20 A	1			360 VA / 180 VA	1	20 A	12	D5 Sonozaire	42
	LOAD PER PHASE:				21080 VA	15480 VA	10700 VA					

LOAD CLASSIFICATION	CONN. LOAD	DF	EST. DEMAND	PANEL TOTALS	
Motor	8470 VA	100.00%	8470 VA	TOTAL CONNECTED LOAD:	47260 VA
Refrigeration	970 VA	100.00%	970 VA	TOTAL ESTIMATED DEMAND:	33725 VA
Receptacle	37320 VA	63.40%	23660 VA	TOTAL CONNECTED CURRENT:	131 A
Lighting	500 VA	125.00%	625 VA	TOTAL ESTIMATED DEMAND CURRENT	94 A

NOTES:
OL - REFER ONE LINE DIAGRAM ON SHEET E8.0

Branch Panel: RPG

LOCATION: ELECTRICAL ROOM 19 | **BUS AMPS:** 100 A
SUPPLY FROM: MDP | **MAIN SIZE/TYPE:** 100 A
MOUNTING: Surface | **VOLTS/PHASE:** 208/120V, 3PH, 4W
ENCLOSURE: Type 1 | **A.I.C. RATING:** 10/65 kAIC SERIES

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	B	C	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1					900 VA / 900 VA							2
3	SUBMERSIBLE PUMP (T1)	10	20 A	3		900 VA / 900 VA		3	10 A	12	SUBMERSIBLE PUMP (T4)	4
5							900 VA / 900 VA					6
7					900 VA / 900 VA							8
9	SUBMERSIBLE PUMP (T2)	10	20 A	3		900 VA / 900 VA		3	10 A	12	SUBMERSIBLE PUMP (T5)	10
11							900 VA / 900 VA					12
13					900 VA / 0 VA			1	--	--	Space	14
15	SUBMERSIBLE PUMP (T3)	10	20 A	3		900 VA / 0 VA		1	--	--	Space	16
17							900 VA / 0 VA	1	--	--	Space	18
	LOAD PER PHASE:				4500 VA	4500 VA	4500 VA					

LOAD CLASSIFICATION	CONN. LOAD	DF	EST. DEMAND	PANEL TOTALS	
Motor	13500 VA	100.00%	13500 VA	TOTAL CONNECTED LOAD:	13500 VA
				TOTAL ESTIMATED DEMAND:	13500 VA
				TOTAL CONNECTED CURRENT:	37 A
				TOTAL ESTIMATED DEMAND CURRENT	37 A

NOTES:
OL - REFER ONE LINE DIAGRAM ON SHEET E8.0

Branch Panel: MDP

LOCATION: ELECTRICAL ROOM 19 | **BUS AMPS:** 800 A
SUPPLY FROM: | **MAIN SIZE/TYPE:** 800 A
MOUNTING: Surface | **VOLTS/PHASE:** 208/120V, 3PH, 4W
ENCLOSURE: Type 1 | **A.I.C. RATING:** 65 kAIC SERIES

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	B	C	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1					35316 VA / 6413 VA							2
3	Panel RPA			225 A	3		33816 VA / 3917...			3	225 A		Panel LPA	4
5								35712 VA / 10000...						6
7						10350 VA / 4500 VA								8
9	Panel RPB			225 A	3		20230 VA / 4500...			3	100 A		Panel RPG	10
11								15735 VA / 4500 VA						12
13						21080 VA / 0 VA								14
15	Panel RPC			225 A	3		15480 VA / 0 VA			3	175 A	--	Spare	16
17								10700 VA / 0 VA						18
19						5520 VA / 5520 VA								20
21	RTU-1			50 A	3		5520 VA / 5520 VA			3	50 A		RTU-3	22
23								5520 VA / 5520 VA						24
25						7680 VA / 0 VA				1	--	--	Space	26
27	RTU-2			80 A	3		7680 VA / 0 VA			1	--	--	Space	28
29								7680 VA / 0 VA		1	--	--	Space	30
31	Space	--	--	1	0 VA / 15499 VA									32
33	Space	--	--	1		0 VA / 10596 VA				3	225 A		RPR	34
35	Panel RPD			200 A	2		3220 VA / 15006 VA							36
37					3440 VA / 8495 VA									38
39	Space	--	--	1		0 VA / 6680 VA				3	225 A		Panel RPH	40
41	Space	--	--	1			0 VA / 9725 VA							42
	LOAD PER PHASE:				124011 VA	113936 VA	123318 VA							

LOAD CLASSIFICATION	CONN. LOAD	DF	EST. DEMAND	PANEL TOTALS	
Cooling	56160 VA	100.00%	56160 VA	TOTAL CONNECTED LOAD:	361265 VA
Heating	3850 VA	100.00%	3850 VA	TOTAL ESTIMATED DEMAND:	274632 VA
Kitchen	171100 VA	65.00%	111235 VA	TOTAL CONNECTED CURRENT:	1003 A
Motor	28810 VA	100.00%	28810 VA	TOTAL ESTIMATED DEMAND CURRENT:	762 A
Refrigeration	7880 VA	100.00%	7880 VA		
Receptacle	73470 VA	56.81%	41735 VA		
Lighting	19979 VA	125.00%	24974 VA		

NOTES:
OL - REFER ONE LINE DIAGRAM ON SHEET E8.0

Branch Panel: RPD

LOCATION: ELECTRICAL ROOM 19 | **BUS AMPS:** 200 A
SUPPLY FROM: MDP | **MAIN SIZE/TYPE:** 200 A
MOUNTING: SURFACE | **VOLTS/PHASE:** 208/120V, 1PH, 3W
ENCLOSURE: TYPE 1 | **A.I.C. RATING:** 10/65 kAIC SERIES

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	C	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1	Gas Simplex Receptacle	12	20 A	1	100 VA / 200 VA		1	20 A	12	Overfill Alarm	2
3	Fuel Tank Monitor Shut-Off Coil	12	20 A	1		500 VA / 1020 VA	1	20 A	12	Intercom/Music	4
5	F.E. Petro DHI Relays	12	20 A	1	1000 VA / 0 VA		1	20 A	--	Spare	6
7	Spare	--	20 A	1		0 VA / 0 VA	1	20 A	--	Spare	8
9	Spare	--	20 A	1	0 VA / 0 VA		1	20 A	--	Spare	10
11	Spare	--	20 A	1		0 VA / 0 VA	1	20 A	--	Spare	12
	LOAD PER PHASE:				3220 VA	3440 VA					

LOAD CLASSIFICATION	CONN. LOAD	DF	EST. DEMAND	PANEL TOTALS	
Motor	3840 VA	100.00%	3840 VA	TOTAL CONNECTED LOAD:	6660 VA
Receptacle	2820 VA	100.00%	2820 VA	TOTAL ESTIMATED DEMAND:	6660 VA
				TOTAL CONNECTED CURRENT:	32 A
				TOTAL ESTIMATED DEMAND CURRENT:	32 A

NOTES:
OL - REFER ONE LINE DIAGRAM ON SHEET E8.0

Branch Panel: RPU

LOCATION: ELECTRICAL ROOM 19 | **BUS AMPS:** 100 A
SUPPLY FROM: RPC | **MAIN SIZE/TYPE:** 70 A
MOUNTING: SURFACE | **VOLTS/PHASE:** 208/120V, 1PH, 3W
ENCLOSURE: TYPE 1 | **A.I.C. RATING:** 10 kAIC

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	B	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1	Data Rack	10	20 A	1	500 VA / 1440 VA		1	20 A	12	Customer Order	2
3	Data Rack	10	20 A	1		500 VA / 1440 VA	1	20 A	12	Customer Order	4
5	Cash Register (C2)	12	20 A	1	1080 VA / 1440 VA		1	20 A	12	SCO	6
7	Cash Register (C2)	12	20 A	1		1440 VA / 180 VA	1	20 A	12	KVM Extender/Monitor (Security)	8
9	KPS	12	20 A	1	1800 VA / 180 VA		1	20 A	12	KVM Extender/Monitor (Security)	10
11	Office Computer Receptacle	12	20 A	1		360 VA / 180 VA	1	20 A	12	Security Equipment	12
13	Data Code Device (B15)	12	20 A	1	200 VA / 1440 VA		1	20 A	12	SCO	14
15	KPS	12	20 A	1		1440 VA / 720 VA	1	20 A	12	Bump Bar	16
17	Spare	--	20 A	1	0 VA / 720 VA		1	20 A	12	Cash Register (C2)	18
	LOAD PER PHASE:				8800 VA	6260 VA					

LOAD CLASSIFICATION	CONN. LOAD	DF	EST. DEMAND	PANEL TOTALS	
Receptacle	15060 VA	83.20%	12530 VA	TOTAL CONNECTED LOAD:	15060 VA
				TOTAL ESTIMATED DEMAND:	12530 VA
				TOTAL CONNECTED CURRENT:	72 A
				TOTAL ESTIMATED DEMAND CURRENT:	60 A

NOTES:
OL - REFER ONE LINE DIAGRAM ON SHEET E8.0

Branch Panel: RPA

LOCATION: ELECTRICAL ROOM 19 | **BUS AMPS:** 225 A
SUPPLY FROM: MDP | **MAIN SIZE/TYPE:** 225 A
MOUNTING: Surface | **VOLTS/PHASE:** 208/120V, 3PH, 4W
ENCLOSURE: Type 1 | **A.I.C. RATING:** 10/65 kAIC SERIES

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	B	C	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1					2600 VA / 2600 VA							2
3	Pizza Oven (B59)	10	30 A	3		2600 VA / 2600 VA		3	30 A	10	Convection Oven (B32)	4
5							2600 VA / 2600 VA					6
7					2860 VA / 2100 VA							8
9	Hot Food Table (B9.1)	10	30 A	3		2860 VA / 2100 VA		2	30 A	10	Toaster (B14.2)	10
11							2860 VA / 1500 VA					12
13	Coffee Brewer (B26.3)	8	40 A	2	3000 VA / 1500 VA			2	20 A	10	Cappuccino Machine (B29.1)	14
15						3000 VA / 3000 VA						16
17	Coffee Brewer (B26.3)	8	40 A	2			3000 VA / 3000 VA	2	30 A	10	Coffee Brewer (B26.3)	18
19					3000 VA / 2100 VA							20
21	Spare	--	20 A	1		0 VA / 2100 VA		2	30 A	10	Toaster (B14.2)	22
23							4320 VA / 1740 VA					24
25	Bakery Oven (B42.2)	8	40 A	3	4320 VA / 1740 VA			3	20 A	12	Soft-Serve Freezer (B50.1)	26
27						4320 VA / 1740 VA						28
29	Toaster (B14.2)	10	30 A	2			2100 VA / 2496 VA	2	30 A	10	FCB (C23)	30
31					2100 VA / 2496 VA							32
33	Toaster (B14.2)	10	30 A	2		2100 VA / 2496 VA		2	30 A	10	Espresso Machine (B40)	34
35							2100 VA / 2496 VA					36
37					2300 VA / 2600 VA							38
39	Rethermalizer (B12.2)	10	30 A	3		2300 VA / 2600 VA		3	30 A	10	Convection Oven (B32)	40
41							2300 VA / 2600 VA					42
	LOAD PER PHASE:				35316 VA	33816 VA	35712 VA					

LOAD CLASSIFICATION	CONN. LOAD	DF	EST. DEMAND	PANEL TOTALS	
Kitchen	104844 VA	65.00%	68149 VA	TOTAL CONNECTED LOAD:	104844 VA
				TOTAL ESTIMATED DEMAND:	68149 VA
				TOTAL CONNECTED CURRENT:	291 A
				TOTAL ESTIMATED DEMAND CURRENT:	189 A

NOTES:
OL - REFER ONE LINE DIAGRAM ON SHEET E8.0

Branch Panel: RPD SEC 2

LOCATION: ELECTRICAL ROOM 19 | **BUS AMPS:** 200 A
SUPPLY FROM: RPD | **MAIN SIZE/TYPE:** 100 A
MOUNTING: SURFACE | **VOLTS/PHASE:** 208/120V, 1PH, 3W
ENCLOSURE: TYPE 1 | **A.I.C. RATING:** 10/65 kAIC SERIES

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	C	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1					480 VA / 480 VA						2
3	FUEL DISPENSER #1, #2	12	20 A	2		480 VA / 480 VA	2	20 A	12	FUEL DISPENSER #3, #4	4
5					480 VA / 480 VA						6
7	FUEL DISPENSER #5, #6	12	20 A	2		480 VA / 480 VA	2	20 A	12	FUEL DISPENSER #7, #8	8
9	Space	--	--	1	0 VA / 0 VA		1	--	--	Space	10
11	Space	--	--	1		0 VA / 0 VA	1	--	--	Space	12
13	Space	--	--	1	0 VA / 0 VA		1	--	--	Space	14
15	Space	--	--	1		0 VA / 0 VA	1	--	--	Space	16
17	Space	--	--	1	0 VA / 0 VA		1	--	--	Space	18
	LOAD PER PHASE:				1920 VA	1920 VA					

LOAD CLASSIFICATION	CONN. LOAD	DF	EST. DEMAND	PANEL TOTALS	
Motor	3840 VA	100.00%	3840 VA	TOTAL CONNECTED LOAD:	3840 VA
				TOTAL ESTIMATED DEMAND:	3840 VA
				TOTAL CONNECTED CURRENT:	18 A
				TOTAL ESTIMATED DEMAND CURRENT	18 A

NOTES:
OL - REFER ONE LINE DIAGRAM ON SHEET E8.0

Branch Panel: RPR

LOCATION: COFFEE 6 | **BUS AMPS:** 225A
SUPPLY FROM: MDP | **MAIN SIZE/TYPE:** 225 A
MOUNTING: Surface | **VOLTS/PHASE:** 208/120V, 3PH, 4W
ENCLOSURE: Type 1 | **A.I.C. RATING:** 10/65 kAIC SERIES

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	B	C	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1					2713 VA / 480 VA			1	15 A	12	RETAIL WALK-IN COOLER (A1a)	2
3	RETAIL WALK-IN COOLER (RCU-1)	6	45 A	3		2713 VA / 480 VA		1	15 A	12	RETAIL WALK-IN COOLER (A1b)	4
5							2713 VA / 480 VA	1	15 A	12	RETAIL WALK-IN COOLER (A2)	6
7					1404 VA / 240 VA			1	15 A	12	FOOD SERVICE REFRIGERATOR (A4)	8
9	RETAIL WALK-IN COOLER (RCU-2)	12	25 A	3		1404 VA / 0 VA		1	20 A	--	Spare	10
11							1404 VA / 950 VA	1	20 A	12	WALK-IN DOOR HEAT	12
13	Spare	--	20 A	1	0 VA / 1900 VA			1	20 A	12	WALK-IN DOOR HEAT	14
15	Spare	--	20 A	1		0 VA / 840 VA		1	20 A	12	WALK-IN COND. PUMP	16
17	Spare	--	20 A	1			0 VA / 3600 VA					18
19					552 VA / 3600 VA			2	50 A	6	ICE MAKER (RCU-6)	20
21	2-DOOR REACH IN (RCU-7)	12	15 A	3		552 VA / 850 VA						22
23							552 VA / 850 VA	2	15 A	12	FOOD SERVICE FREEZER (A5)	24
25					1380 VA / 353 VA			1	20 A	12	C3.3 REF.CASE(EVAP.CONT.LIGHT) (A3)	26
27	FOOD SERVICE REFRIGERATOR (RCU-4)	12	20 A	3		1380 VA / 0 VA		1	20 A	--	Spare	28
29							1380 VA / 700 VA					30
31					1225 VA / 700 VA			2	15 A	12	2-DOOR REACH IN (A7)	32
33	FOOD SERVICE FREEZER (RCU-5)	12	20 A	3		1225 VA / 0 VA						34
35							1285 VA / 0 VA	1	--	--	Space	36
37					1092 VA / 0 VA			1	--	--	Space	38
39	6FT REFRIGERATED CASE (RCU-3)	12	15 A	3		1092 VA / 0 VA		1	--	--	Space	40
41							1092 VA / 0 VA	1	--	--	Space	42
	LOAD PER PHASE:				15699 VA	10596 VA	15006 VA					

LOAD CLASSIFICATION	CONN. LOAD	DF	EST. DEMAND	PANEL TOTALS	
Heating	2850 VA	100.00%	2850 VA	TOTAL CONNECTED LOAD:	41301 VA
Kitchen	38451 VA	65.00%	24993 VA	TOTAL ESTIMATED DEMAND:	27843 VA
				TOTAL CONNECTED CURRENT:	115 A
				TOTAL ESTIMATED DEMAND CURRENT	77 A

NOTES:
OL - REFER ONE LINE DIAGRAM ON SHEET E8.0

Branch Panel: RPB

LOCATION: ELECTRICAL ROOM 19 | **BUS AMPS:** 225 A
SUPPLY FROM: MDP | **MAIN SIZE/TYPE:** 225 A
MOUNTING: Surface | **VOLTS/PHASE:** 208/120V, 3PH, 4W
ENCLOSURE: Type 1 | **A.I.C. RATING:** 10/65 kAIC SERIES

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	B	C	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1	Auto Door Motor Front	12	20 A	1	1000 VA / 0 VA			1	20 A	--	Spare	2
3	Auto Door Motor Rear	12	20 A	1		1000 VA / 1850 VA		1	20 A	12	Food Warmer (A6)	4
5	Water Softener	12	20 A	1			100 VA / 1300 VA	1	20 A	12	Walk-in Ash	6
7	Spare	--	20 A	1	0 VA / 1100 VA			1	20 A	12	Walk-in Ash	8
9	Walk-in Door Lights	10	20 A	1		500 VA / 5760 VA		2	60 A	4	JB For EV Charger	10
11	Spare	--	20 A	1			0 VA / 5760 VA					12
13	Spare	--	20 A	1	0 VA / 0 VA			1	20 A	--	Spare	14
15	Refrigerated Case	12	20 A	1			1440 VA / 0 VA	1	20 A	--	Spare	16
17	Coke Freestyle (C28)	12	20 A	1			700 VA / 1870 VA	1	20 A	10	Drop-in Refrigerator (C17.4)	18
19	Spare	--	20 A	1	0 VA / 500 VA			1	20 A	12	Bakery Display Case (C15.1)	20
21	Spare	--	20 A	1		0 VA / 0 VA		1	20 A	--	Spare	22
23	Spare	--	20 A	1			0 VA / 0 VA	1	20 A	--	Spare	24
25	JB For EV Charger	12	60 A	4	1440 VA / 0 VA			1	20 A	--	Spare	26
27							5760 VA / 0 VA	1	20 A	--	Spare	28
29	C19.2 2 Door Reach in Evap Fan	12	20 A	1			425 VA / 800 VA	1	20 A	12	Freestyle Booster Pump	30
31	C19.2 2 Door Reach in Lights	12	15 A	1	50 VA / 500 VA			1	20 A	12	Iced Coffee (C20)	32
33	Ref. Sandwich Station (B1.3)	12	20 A	1			1560 VA / 880 VA	1	20 A	12	Coke Freestyle (C22)	34
35	Ref. Sandwich Station (B1.3)	12	20 A	1			1560 VA / 840 VA	1	20 A	12	Crisper (B58)	36
37	Display Monitors	12	20 A	1	720 VA / 720 VA			1	20 A	12	C02 Receptacle	38
39	UC Refrigerator (B30.1)	12	20 A	1		1680 VA / 0 VA		1	20 A	--	Spare	40
41	Ref. Sandwich Station (B1.1)	12	20 A	1			1560 VA / 1020 VA	1	20 A	12	Drawer Warmer (B45)	42
	LOAD PER PHASE:				10350 VA	20230 VA	15735 VA					

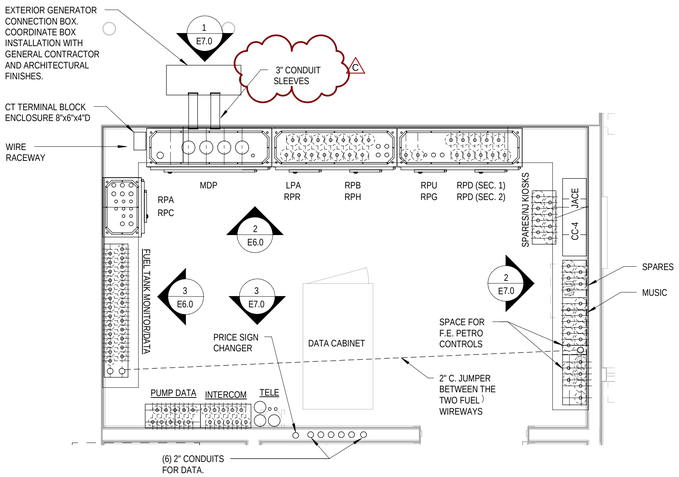
LOAD CLASSIFICATION	CONN. LOAD	DF	EST. DEMAND	PANEL TOTALS	
Heating	1000 VA	100.00%	1000 VA	TOTAL CONNECTED LOAD:	46315 VA
Kitchen	11665 VA	65.00%	7582 VA	TOTAL ESTIMATED DEMAND:	33145 VA
Motor	1100 VA	100.00%	1100 VA	TOTAL CONNECTED CURRENT:	129 A
Refrigeration	3550 VA	100.00%	3550 VA	TOTAL ESTIMATED DEMAND CURRENT	92 A
Receptacle	29450 VA	67.57%	19325 VA		
Lighting	550 VA	125.00%	688 VA		

NOTES:
OL - REFER ONE LINE DIAGRAM ON SHEET E8.0

Branch Panel: RPH

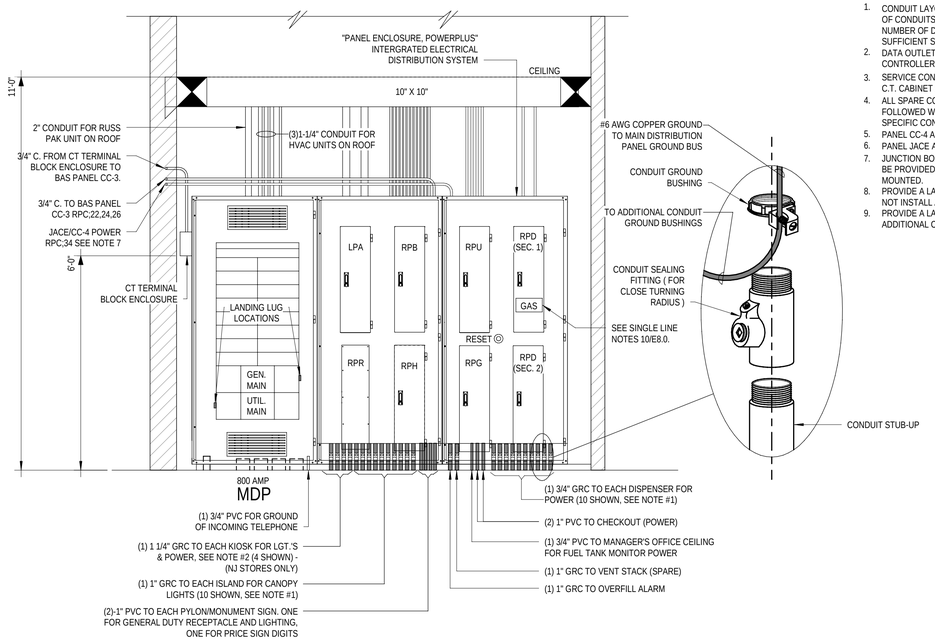
LOCATION: ELECTRICAL ROOM 19 | **BUS AMPS:** 225 A
SUPPLY FROM: MDP | **MAIN SIZE/TYPE:** 225 A
MOUNTING: Surface | **VOLTS/PHASE:** 208/120V, 3PH, 4W
ENCLOSURE: Type 1 | **A.I.C. RATING:** 10/65 kAIC SERIES

CKT. NO.	DESCRIPTION	WIRE	BKR AMP	P	A	B	C	P	BKR AMP	WIRE	DESCRIPTION	CKT. NO.
1	Roll Cabinet w/ Timer (B44)	12	20 A	1	180 VA / 0 VA							2
3	Ref. Sandwich Station (B1.3)	12	20 A	1		1560 VA / 0 VA		3	20 A	--	Spare	4
5	UC Ice Machine (B37.1)	12	20 A	1			1680 VA / 0 VA					6
7	Future Crisper (B58)	12	20 A	1	840 VA / 800 VA			1	20 A	12	Air Curtain	8
9	Blender (B36)	12	20 A	1		1200 VA / 360 VA		1	20 A	12	Razzle



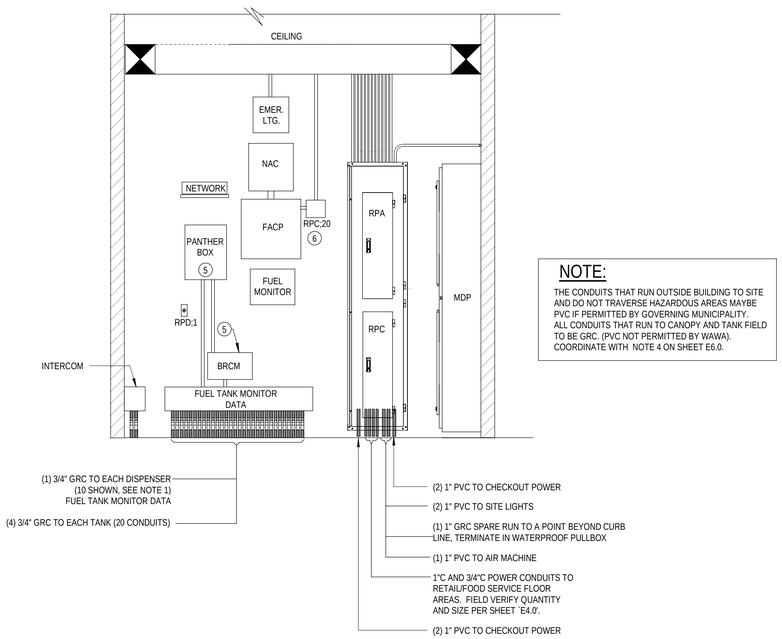
1 E6.0 ELECTRICAL ROOM LAYOUT PLAN

NOT TO SCALE



ELECTRICAL ROOM ELEVATION NOTES:

1. CONDUIT LAYOUT PLAN SHOWN ON PLAN HAS PROVISIONS FOR 10 DISPENSERS. THE ACTUAL NUMBER OF CONDUITS REQUIRED WILL BE DEPENDENT ON THE CANOPY CONFIGURATION, AND ACTUAL NUMBER OF DISPENSERS INSTALLED. IF FEWER DISPENSERS ARE INSTALLED, AND THEREFORE SUFFICIENT SPACE EXISTS, THE CONDUITS ARE TO BE INSTALLED IN A SINGLE ROW.
2. DATA OUTLET BOX AND 20A SIMPLEX RECEPTACLE DEDICATED TO PRICE SIGN CONTROLLER E.C. TO COORDINATE INSTALLATION WITH SIGN CONTRACTOR.
3. SERVICE CONNECT AND METER CABINET ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. REMOTE C.T. CABINET AS INDICATED ON SINGLE LINE DIAGRAM IS PREFERRED INSTALLATION.
4. ALL SPARE CONDUITS WHICH TRAVERSE THE HAZARDOUS AREA SHOULD BE PACKED WITH MINERAL FIBER FOLLOWED WITH DUCT SEAL, AND THEN SEALED WITH A THREADED PLUG OR CAP AS APPROPRIATE FOR THE SPECIFIC CONFIGURATION AT EACH END OF THE CONDUIT.
5. PANEL CC-4 AND REQUIRED CONDUIT SHALL BE PROVIDED BY BAS CONTRACTOR.
6. PANEL JACE AND REQUIRED CONDUIT SHALL BE PROVIDED BY BAS CONTRACTOR.
7. JUNCTION BOX, RECEPTACLES, AND ASSOCIATED CONDUIT TO PANEL ENCLOSURE SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. JUNCTION BOX SHALL BE SURFACE MOUNTED.
8. PROVIDE A LABEL ON PANELS RPD AND RPG STATING "GASOLINE EQUIPMENT ONLY. DO NOT INSTALL ANY ADDITIONAL CIRCUITS".
9. PROVIDE A LABEL ON PANEL RPU STATING "IT EQUIPMENT ONLY. DO NOT INSTALL ANY ADDITIONAL CIRCUITS".



NOTE:

THE CONDUITS THAT RUN OUTSIDE BUILDING TO SITE AND DO NOT TRAVERSE HAZARDOUS AREAS MAYBE PVC IF PERMITTED BY GOVERNING MUNICIPALITY. ALL CONDUITS THAT RUN TO CANOPY AND TANK FIELD TO BE GRC. (PVC NOT PERMITTED BY WAWA). COORDINATE WITH NOTE 4 ON SHEET E6.0.

3 E6.0 ELECTRICAL ROOM ELEVATION - 2

NOT TO SCALE

2 E6.0 ELECTRICAL ROOM ELEVATION

NOT TO SCALE

NOTE:
ALL CONDUITS OUT TO OR THRU THE GAS CANOPY AND TANKS AREAS TO BE OF 10 FEET OF GRC COMING OUT OF BUILDING THEN TRANSFERING TO PVC THROUGHOUT THE RUN AND AGAIN CHANGING TO 10 FEET OF GRC BEFORE END OF RUN.

GASOLINE CONDUIT REQUIREMENTS:

(1) 1" GRC TO EACH CANOPY COLUMN FOR INTERCOM/ CAMERAS. (COLUMN CLOSEST TO STORE)

(1) 1" GRC TO EACH CANOPY COLUMN FOR LIGHTING. (COLUMN FURTHEST FROM STORE)

(1) 1" GRC TO EACH CANOPY COLUMN FOR INTERCOM/ CAMERAS. (COLUMN FURTHEST FROM STORE - DOUBLE STACK)

(3) 3/4" GRC TO EACH DISPENSER. (1 POWER, 1 DATA, 1 MUSIC)

(1) 3/4" GRC TO EACH DISPENSER. (FUEL TANK MONITOR SENSOR)

(2) 1" GRC TO EACH TANK CONTAINMENT UNIT. F.E. PETRO POWER (1 POWER, 1 SPARE)

(1) 3/4" GRC TO EACH TANK CONTAINMENT UNIT. (FUEL TANK MONITOR MAGNOSTRICTIVE PROBE)

(1) 3/4" GRC TO EACH TANK CONTAINMENT UNIT. (FUEL TANK MONITOR SENSOR)

(1) 3/4" GRC TO EACH TANK CONTAINMENT UNIT. (FUEL TANK MONITOR MULTI-PORT FILL SUMP)

(1) 3/4" GRC TO EACH TANK CONTAINMENT UNIT. (FUEL TANK MONITOR BRINE INTERSTITIAL RESERVOIR)

(1) 1" GRC TO OVERFILL ALARM. (ON VENT STACK)

(1) 1" GRC TO VENT STACK (SPARE)

LEGEND

- GASOLINE EMERGENCY SHUT-OFF PUSH BUTTON PROVIDED BY ELECTRICAL CONTRACTOR
- SPR — GASOLINE EMERGENCY SHUT-OFF RESET PUSH BUTTON INSTALLED IN MANAGERS OFFICE BELOW FUEL TANK MONITOR AND ON CONTACTOR PANEL FOR RPD.
- DUPLEX RECEPTACLE
- USB — USB RECEPTACLE
- QUADRUPLEX RECEPTACLE ON DEDICATED CIRCUIT
- CP — DUPLEX RECEPTACLE CONDENSATION PUMP. VERIFY LOCATION IF REQUIRED WITH WAWA CONSTRUCTION MANAGER
- DUPLEX RECEPT. (FLOOR MOUNTED)
- DUPLEX RECEPT. (CEILING MOUNTED)
- TWIST LOCK/ STRAIGHT BLADE DEDICATED RECEPTACLE
- TW — SPECIAL PURPOSE RECEPTACLE, SEE PLAN FOR NEMA CONFIGURATION, TWIST LOCK
- T — TRANSFORMER BELL/BUZZER
- TF — TRANSFORMER - FLUSH VALVES (SEE KEYNOTE #12)
- R — REFRIGERATION SOLENOID POWER
- C — CONNECTION POINT. ELECTRICAL CONNECTIONS TO BE MADE AT EQUIPMENT AS REQUIRED.
- J — JUNCTION BOX
- GFI — GROUND FAULT INTERRUPT (SEE GEN. NOTE #8)
- WP — WEATHERPROOF
- DISCONNECT SWITCH
- TELEPHONE\DATA OUTLET (SEE GEN. NOTE #10)
- A/V — A/V OUTLET (SEE KEYNOTE #3)

NOTE:
ALL PHONES LINES TO BE GROUNDED. PROVIDE 120V SERVICE W/ ISOLATED GROUND RECEPTACLE AND SINGLE POINT GROUNDING FOR D.E.C./S.A.S.I. EQUIPMENT

- L — ELECTRICAL CABLE, 15' COILED, FOR REFRIGERATION EQUIPMENT.
- # — EQUIPMENT NUMBER. RE: EQUIP. SCHEDULE.
- S, D, S, M — MOTOR RATED SWITCH W/ SEPARATE DISCONNECT

AECOM
AECOM Technical Services, Inc.
1255 BROAD STREET, SUITE 201
CLIFTON, NJ 07013-3988
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M V2025.Q1
WAWA STORE #8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ELECTRICAL ROOM PLAN & ELEVATIONS

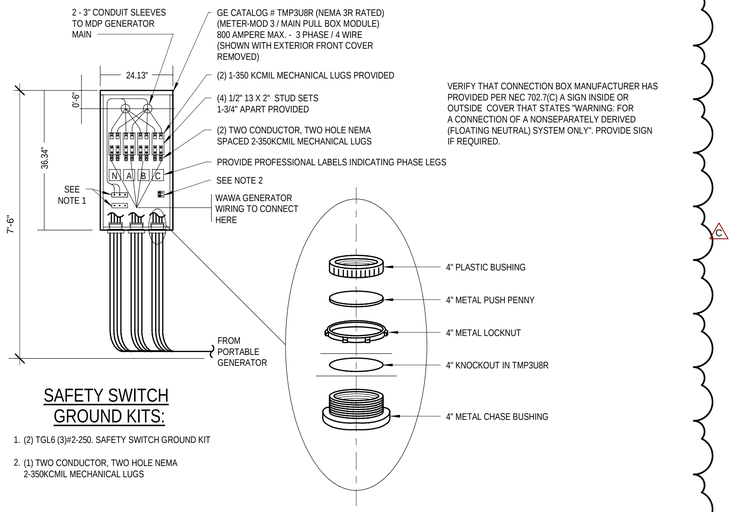
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE: U45FB M V2025 Q1
PROJECT NO.: 60698812
DRAWN:
CHECKED:

8216
UPPER SOUTHAMPTON, PA

Wawa

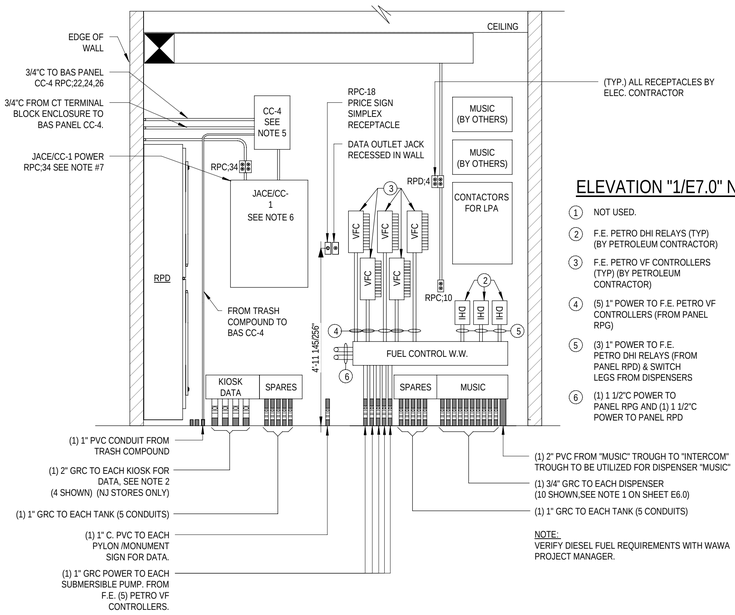
E6.0



SAFETY SWITCH GROUND KITS:

1. (2) TGL6 (3)#2-250. SAFETY SWITCH GROUND KIT
2. (1) TWO CONDUCTOR, TWO HOLE NEMA 2-350KCMIL MECHANICAL LUGS

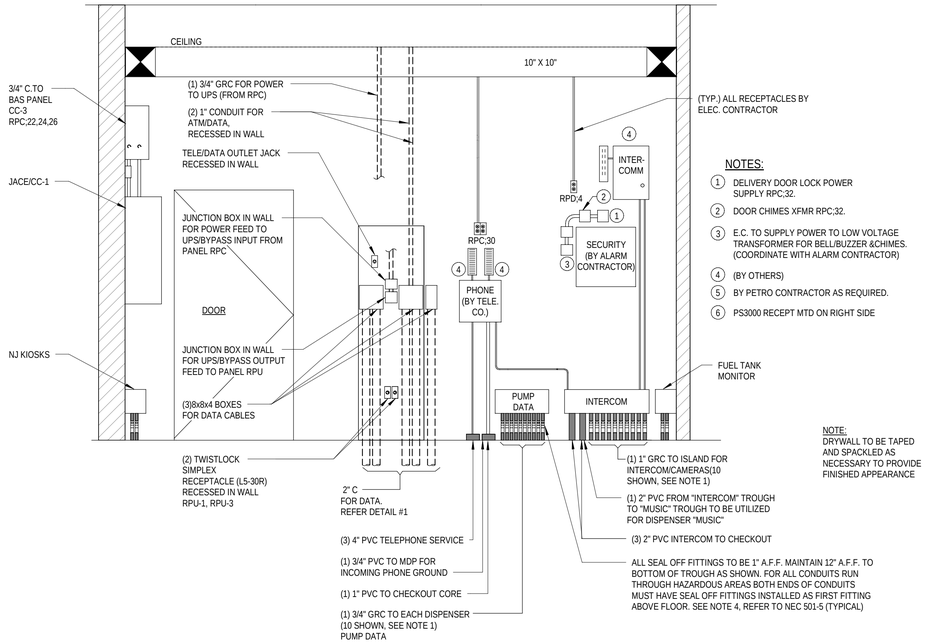
1 E7.0 GENERATOR CONNECTION BOX ELEVATION
NOT TO SCALE



ELEVATION "1/E7.0" NOTES:

1. NOT USED.
2. F.E. PETRO DHI RELAYS (TYP) (BY PETROLEUM CONTRACTOR)
3. F.E. PETRO VF CONTROLLERS (TYP) (BY PETROLEUM CONTRACTOR)
4. (5) 1" POWER TO F.E. PETRO VF CONTROLLERS (FROM PANEL RPG)
5. (3) 1" POWER TO F.E. PETRO DHI RELAYS (FROM PANEL RPD) & SWITCH LEGS FROM DISPENSERS
6. (1) 1 1/2"C POWER TO PANEL RPG AND (1) 1 1/2"C POWER TO PANEL RPD

2 E7.0 ELECTRICAL ROOM SPARE CONDUITS ELEVATION
NOT TO SCALE



NOTES:

1. DELIVERY DOOR LOCK POWER SUPPLY RPC;32.
2. DOOR CHIMES XFMR RPC;32.
3. E.C. TO SUPPLY POWER TO LOW VOLTAGE TRANSFORMER FOR BELL/BUZZER &CHIMES. (COORDINATE WITH ALARM CONTRACTOR)
4. (BY OTHERS)
5. BY PETRO CONTRACTOR AS REQUIRED.
6. PS3000 RECEPT MTD ON RIGHT SIDE

NOTE:
DRYWALL TO BE TAPED AND SPACKLED AS NECESSARY TO PROVIDE FINISHED APPEARANCE

3 E7.0 ELECTRICAL ROOM BAS PANEL ELEVATION
NOT TO SCALE

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M V2025.Q1
WAWA STORE #8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ELECTRICAL ELEVATIONS

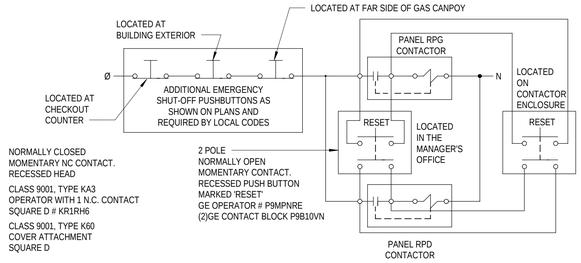
RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	PROJECT NO.	DRAWN	CHECKED
U45FB M V2025 Q1	60698812		

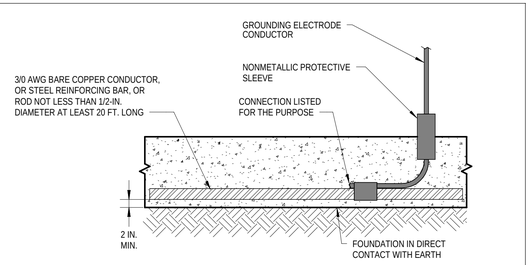
8216
UPPER SOUTHAMPTON, PA

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E7.0



1 E8.0 EMERGENCY SHUT-OFF DIAGRAM
NONE



2 E8.0 CONCRETE ENCASED ELECTRODE DETAIL
NONE

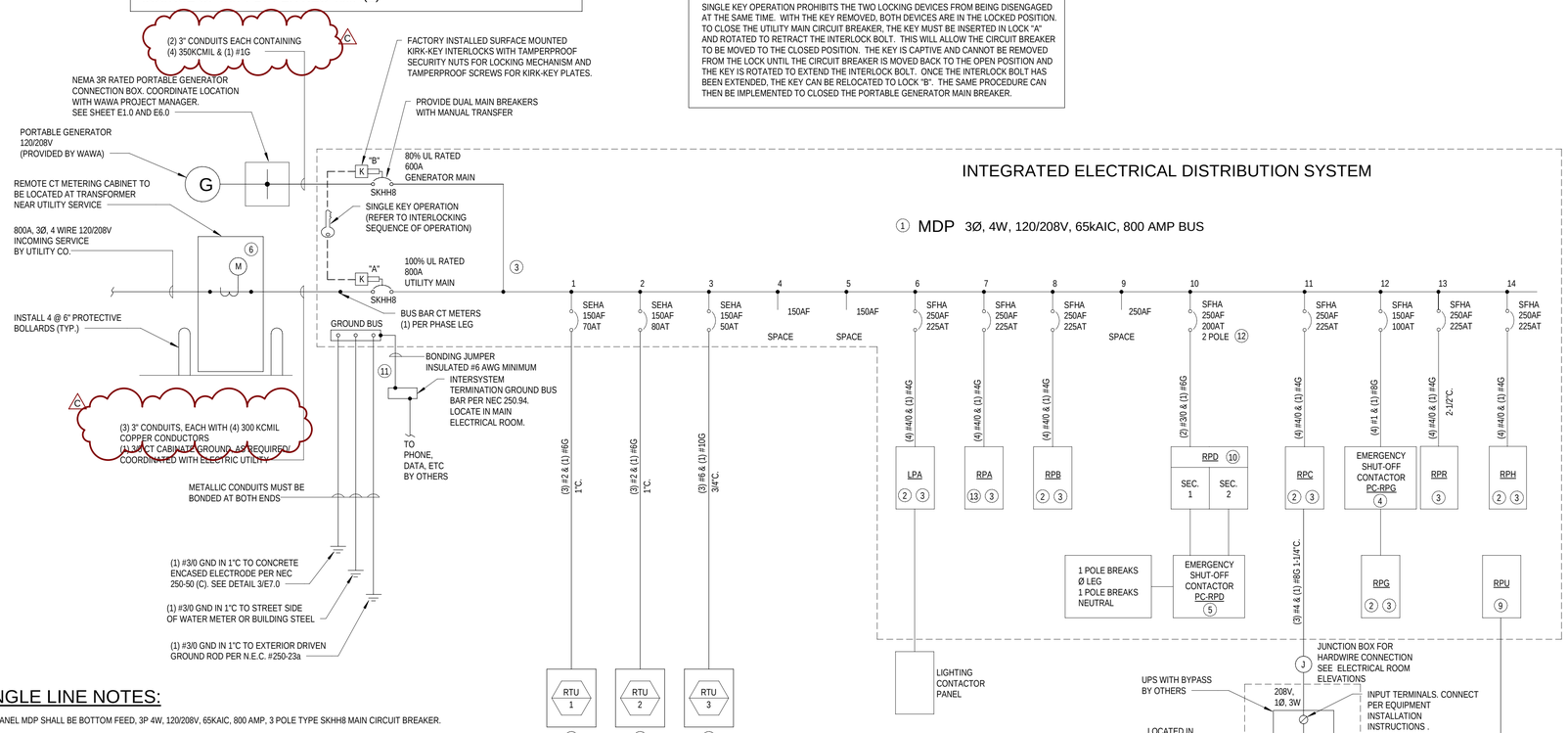
FRONT OF MDP SHALL HAVE ARC FLASH HAZARD WARNING LABEL PER NEC 110.16 LABEL SHALL ALSO COMPLY WITH NEC 110.21(B).

EACH PANELBOARD SHALL BE PERMANENTLY MARKED TO INDICATE SOURCE OF SUPPLY PER NEC 408.4(B)

KIRK-KEY INTERLOCKING SEQUENCE OF OPERATION

SINGLE KEY OPERATION PROHIBITS THE TWO LOCKING DEVICES FROM BEING DISENGAGED AT THE SAME TIME. WITH THE KEY REMOVED, BOTH DEVICES ARE IN THE LOCKED POSITION. TO CLOSE THE UTILITY MAIN CIRCUIT BREAKER, THE KEY MUST BE INSERTED IN LOCK "A" AND ROTATED TO RETRACT THE INTERLOCK BOLT. THIS WILL ALLOW THE CIRCUIT BREAKER TO BE MOVED TO THE CLOSED POSITION. THE KEY IS CAPTIVE AND CANNOT BE REMOVED FROM THE LOCK UNTIL THE CIRCUIT BREAKER IS MOVED BACK TO THE OPEN POSITION AND THE KEY IS ROTATED TO EXTEND THE INTERLOCK BOLT. ONCE THE INTERLOCK BOLT HAS BEEN EXTENDED, THE KEY CAN BE RELOCATED TO LOCK "B". THE SAME PROCEDURE CAN THEN BE IMPLEMENTED TO CLOSED THE PORTABLE GENERATOR MAIN BREAKER.

INTEGRATED ELECTRICAL DISTRIBUTION SYSTEM



SINGLE LINE NOTES:

1. PANEL MDP SHALL BE BOTTOM FEED, 3P 4W, 120/208V, 65KAIC, 800 AMP, 3 POLE TYPE SKHH8 MAIN CIRCUIT BREAKER.
2. PANELS LPA, RPB, RPC,RPH AND RPG, SHALL BE AS NOTED (TOP FEED, MAIN LUG ONLY).
3. INTERNAL BUS BARS ON PANELS TO BE ALUMINUM. ALL CONDUCTOR TO BE COPPER NO EXCEPTION.
4. PC-RPG SHALL BE 100 AMP, 3 POLE CONTACTOR, TYPE CR305D002.
5. PC-RPD SHALL BE 200 AMP, 2 POLE ELECTRICALLY HELD CONTACTOR, TYPE CR360L60202AAAB.
6. VERIFY ALL SHORT CIRCUIT RATINGS AND SERVICE REQUIREMENTS WITH UTILITY. ALL PANELS TO BE FULLY RATED.
7. VERIFY ALL NAMEPLATE DATA AND INSTALL PER N.E.C. NOTIFY WAWA PROJECT MANAGER OF ANY DISCREPANCIES.
8. COORDINATE CIRCUIT PROTECTION REQUIREMENTS WITH CONTRACTOR SUPPLYING EQUIPMENT.
9. ALL EQUIPMENT FED FROM THIS PANEL SHALL BE SUPPLIED WITH AN INSULATED, ISOLATED EQUIPMENT SAFETY GROUND. THE INSULATED GROUND SHALL BE CONTINUOUS AND UNBROKEN FROM EQUIPMENT TO PANEL. PANEL RPD SHALL BE EQUIPPED WITH ISOLATED GROUND BUS BAR, PLUS AN EQUIPMENT GROUND BUS BAR. THE ISOLATED GROUND BUS WILL BE CONNECTED DIRECTLY TO MAIN DISTRIBUTION PANEL GROUND BUS WITH INSULATED GROUND WIRE.
10. PANEL RPD SHALL BE FEED THROUGH SINGLE PHASE, 3 WIRE PANELBOARD (WIRED AS TWO WIRE), WITH 200A DUAL MAIN LUGS (TOP FEED) AS NOTED. ELECTRICAL CONTRACTOR SHALL INSTALL A JUMPER BETWEEN BOTH PHASE BUSES. PROVIDE SINGLE PHASE AND NEUTRAL FEEDER FROM MAIN DISTRIBUTION PANEL.
    ELECTRICAL CONTRACTOR SHALL PROVIDE LAMINATED NAME PLATE INDICATING:
    "GASOLINE DISPENSING EQUIPMENT ONLY DO NOT INSTALL ANY ADDITIONAL CIRCUITS"
11. BONDING AND GROUNDING OF NEUTRAL CONDUCTORS, EQUIPMENT GROUNDING CONDUCTORS, GROUNDING ELECTRODE AND BONDING JUMPERS SHALL BE PERFORMED AT THE MAIN DISTRIBUTION PANEL (MDP) AS REQUIRED FOR SERVICE EQUIPMENT BY ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE (NEC).
12. 200 AMP, 2 POLE BREAKER INSTALLED. ONLY 1 POLE OF THE 2 POLE BREAKER REQUIRED TO BE WIRED. SEE PANEL SCHEDULE SHEET E5.0 FOR WIRING CONFIGURATION OF PANEL RPD.
13. THIS PANEL IS TO BE GFCI SQUARE D (QOB) CIRCUIT BREAKERS ONLY.

3 E8.0 SINGLE LINE DIAGRAM
NONE

ELECTRICAL CONTRACTOR SHALL OBTAIN INTEGRATED ELECTRICAL DISTRIBUTION SYSTEMS FROM CD CONTROLS. CONTACT ED RIOS FOR DELIVERY AND INSTALLATION REQUIREMENTS.
OFFICE: 706-356-0325
CELL : 706-476-7303
EMAIL: WAWA@CDCONTROLS.COM

LEGEND

- PRE-WIRED BY PANEL MANUFACTURER
- INSTALLED BY ELECTRICAL CONTRACTOR

GENERAL ELECTRICAL NOTES

1. ELECTRICAL CONTRACTOR SHALL FURNISH ALL LICENSES, PERMITS, ETC. REQUIRED TO PERFORM THE WORK. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE LANDLORD, LOCAL AUTHORITIES, THE UTILITY COMPANY, THE NATIONAL ELECTRICAL CODE AND ALL OTHER AUTHORITIES HAVING JURISDICTION.

   UPON COMPLETION OF WORK, ELECTRICAL CONTRACTOR SHALL FURNISH TO OWNER A CERTIFICATE OF APPROVAL ISSUED BY LOCAL AUTHORITIES OR BY AN ELECTRICAL INSPECTION AGENCY LICENSED BY LOCAL AUTHORITIES TO PERFORM SUCH INSPECTIONS,

   ALL ELECTRICAL ITEMS FURNISHED AND/OR INSTALLED BY ELECTRICAL CONTRACTOR SHALL BE UNCONDITIONALLY GUARANTEED FOR BOTH PARTS AND LABOR FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER. LIGHT BULBS AND LAMPS SHALL BE EXEMPT FROM THIS GUARANTEE; HOWEVER, ON THE DATE OF FINAL ACCEPTANCE BY OWNER, ALL LIGHT BULBS AND LAMPS SHALL BE IN WORKING ORDER. WHERE AN ITEM HAS BEEN FURNISHED BY OTHERS AND INSTALLED BY ELECTRICAL CONTRACTOR, ONLY THE INSTALLATION AND WIRING SHALL BE GUARANTEED BY ELECTRICAL CONTRACTOR; GUARANTEE ON THE ITEM SHALL BE PROVIDED BY THE PARTY FURNISHING THE ITEM.

2. GENERALLY, ALL WIRING SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT). SET SCREW FITTINGS MAY BE USED IN AREAS NOT SUBJECT TO MOISTURE; USE WEATHERPROOF COMPRESSION FITTINGS IN ALL LOCATIONS SUBJECT TO MOISTURE. FINAL CONNECTIONS TO RECESSED LIGHTING FIXTURES, VIBRATING EQUIPMENT, ETC. SHALL BE MADE WITH FLEXIBLE METALLIC CONDUIT ("GREENFIELD") IN LENGTHS NOT TO EXCEED 5 FEET; WHERE SUCH CONNECTIONS ARE MADE IN LOCATIONS SUBJECT TO MOISTURE, USE WEATHERPROOF FLEXIBLE METALLIC CONDUIT ("SEALTITE") IN LENGTHS NOT TO EXCEED 5 FEET.

   IF PERMITTED BY LANDLORD AND LOCAL AUTHORITIES, CONCEALED BRANCH CIRCUIT WIRING MAY BE INSTALLED IN METALLIC CABLE ("MC").

   MC CABLE SHALL BE INSTALLED IN A WORKMANLIKE MANNER. NO SUCH CABLE SHALL BE INSTALLED IN FRONT OF WALL OR PARTITION FROM CEILING SPACE DOWN INTO PANEL. SUCH CABLES SHALL BE INSTALLED WITHIN WALL OR PARTITION IF POSSIBLE.

   IF SUCH CABLES ARE INSTALLED IN FRONT OF WALL OR PARTITION, USE CONDUIT SLEEVES OR ENTER CABLES INTO A JUNCTION BOX INSTALLED ABOVE CEILING AND SPLICE ONTO WIRING INSTALLED IN CONDUIT DOWN INTO PANEL. IF LATTER METHOD IS USED, INSTALLATION MUST BE IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE AMPACITY TABLES. FOR THIS PURPOSE, #12 AWG TYPE THHN WIRE SHALL BE RATED AT NOT MORE THAN 25 AMPERES.

   ALL EXPOSED WIRING, PANEL FEEDERS, HVAC EQUIPMENT FEEDERS, ETC. SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT). NO EXPOSED NON-METTALIC CABLE SHALL BE PERMITTED. ALL WIRE SHALL BE COPPER REGARDLESS OF WIRING METHOD.

3. WIRING IN EARTH OR CONCRETE SHALL BE INSTALLED IN GRC CONDUIT, IMC CONDUIT OR PVC CONDUIT (SCHEDULE 40). EACH CONDUIT RUNNING OUT TO OR THRU THE GAS CANOPY OR TANKS AREA SHALL BE GRC FOR THE ENTIRE RUN OF CONDUIT. WHERE PVC CONDUIT IS USED, AN ADDITIONAL GROUND WIRE SHALL BE INSTALLED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. THERE SHALL BE NO EXPOSED PVC CONDUITS. ALL STUB UPS, EXTENSIONS ABOVE GRADE, ETC. SHALL BE IN METAL RACEWAY. USE GRC CONDUIT, IMC CONDUIT OR EMT. (THERE SHALL BE NO EMT INSTALLED IN CONTACT WITH EARTH OR CONCRETE.)

   ALL UNDERGROUND CABLE SHALL BE INSTALLED IN RACEWAY. NO DIRECT BURIAL CABLE OF ANY KIND SHALL BE USED UNLESS SPECIFICALLY NOTED.

   ALL UNDERGROUND WIRING SHALL BE INSTALLED AT DEPTHS AS PRESCRIBED BY THE NATIONAL ELECTRICAL CODE. WHERE REQUIRED BY THE N.E.C., INSTALL A CONCRETE ENVELOPE AROUND CONDUITS.

   FOR UNDERGROUND WIRING IN EXCESS OF 600 VOLTS, A CONTINUOUS WARNING RIBBON SHALL BE INSTALLED 24" ABOVE CONDUITS STATING "CAUTION BURIED HIGH VOLTAGE LINE BELOW". RIBBON SHALL BE DETECTABLE TYPE AND SHALL BE LEM PRODUCTS #DET-609 OR EQUAL.

   ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING OF FINISHED SURFACES, EXCAVATION, CONCRETE ENVELOPES, TAMPING, BACKFIELD, ETC. REQUIRED FOR INSTALLATION OF UNDERGROUND WIRING.

   IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES, FACILITIES, ETC. PRIOR TO STARTING ANY EXCAVATION. ELECTRICAL CONTRACTOR SHALL HAVE TOTAL RESPONSIBILITY FOR ANY DAMAGE DONE TO ANY EXISTING UNDERGROUND UTILITIES OR OTHER FACILITIES BY HIS WORK.

   COLORS AND FINISHES OF ALL SWITCHES, RECEPTACLES, DIMMERS, COVER PLATES, ETC. WILL BE SELECTED BY ARCHITECT. VERIFY ALL SUCH COLORS AND FINISHES PRIOR TO INSTALLING ANY WIRING DEVICES.

4. SWITCHES AND RECEPTACLES SHALL BE SPECIFICATION GRADE (NOT "COMPETITIVE GRADE"). ALL WIRING DEVICES SHALL BE RATED AT 20 AMPS AT THE VOLTAGE AT WHICH THEY WILL BE USED. WIRING DEVICES SHALL UTILIZE CLAMP TYPE TERMINALS; BACK WIRED "PRESSURE TYPE" INSERT TERMINALS ARE NOT ACCEPTABLE. SINGLE POLE SWITCHES SHALL BE HUBBELL #1221 SERIES (OR EQUAL); 3 WAY SWITCHES SHALL BE HUBBELL #1223SERIES (OR EQUAL). FOUR WAY SWITCHES SHALL BE HUBBELL #1224 SERIES (OR EQUAL). DUPLEX RECEPTACLES SHALL BE HUBBELL #5362 SERIES (OR EQUAL). DIMMERS SHALL BE AS SPECIFIED ON DRAWINGS.

   WHERE SWITCHES AND DIMMERS ARE SHOWN ADJACENT TO EACH OTHER, DO NOT INSTALL IN COMMON "GANG BOXES". SWITCHES MAY BE IN COMMON BOXES AND DIMMERS MAY BE IN COMMON BOXES. HOWEVER, IF SWITCHES AND DIMMERS ARE INSTALLED IN SAME COMMON BOX, COVER PLATES WILL NOT ALIGN PROPERLY. ALLOW 1" SPACE BETWEEN SWITCH BOXES AND DIMMER BOXES.

   CAUTION: USE SEPARATE NEUTRALS FOR EACH DIMMER CIRCUIT. USE OF A COMMON NEUTRAL MAY CAUSE DIMMERS TO MALFUNCTION.

   WHERE SWITCHES ARE SHOWN GANGED TOGETHER, LOCATIONS ARE DIAGRAMMATIC ONLY. ARRANGE SWITCHES IN ROWS AS FIELD CONDITIONS DICTATE.

5. EACH CONDUIT RUNNING OUT TO OR THRU THE GAS CANOPY OR TANKS AREA SHALL BE GRC FOR ENTIRE RUN OF CONDUIT.

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ELECTRICAL ONE-LINE DIAGRAM

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60699812
DRAWN	
CHECKED	

8216
UPPER SOUTHAMPTON, PA
Wawa

E8.0

LEGEND

194° R — HEAT DETECTOR - RATE OF RISE	FACP — FIRE ALARM CONTROL PANEL
194° F — HEAT DETECTOR - FIXED TEMP.	FASA — FIRE ALARM SYSTEM ANNUNCIATOR
P — PHOTOELECTRIC SMOKE DETECTOR	NAC — NOTIFICATION APPLIANCE CERT.
FIRE ALARM HORN/STROBE ANNUN.	D — SMOKE DETECTOR
FIRE ALARM STROBE	SF — SPRINKLER FLOW
P — FIRE ALARM PULL STATION	ST — SPRINKLER TAMPER
CO — CARBON MONOXIDE DETECTOR	EOL — END OF LINE
DACT — DIGITAL ALARM COMMUNICATOR TRANSMITTER	FCPS — FIELD CHARGER / POWER SUPPLY

GENERAL NOTES:

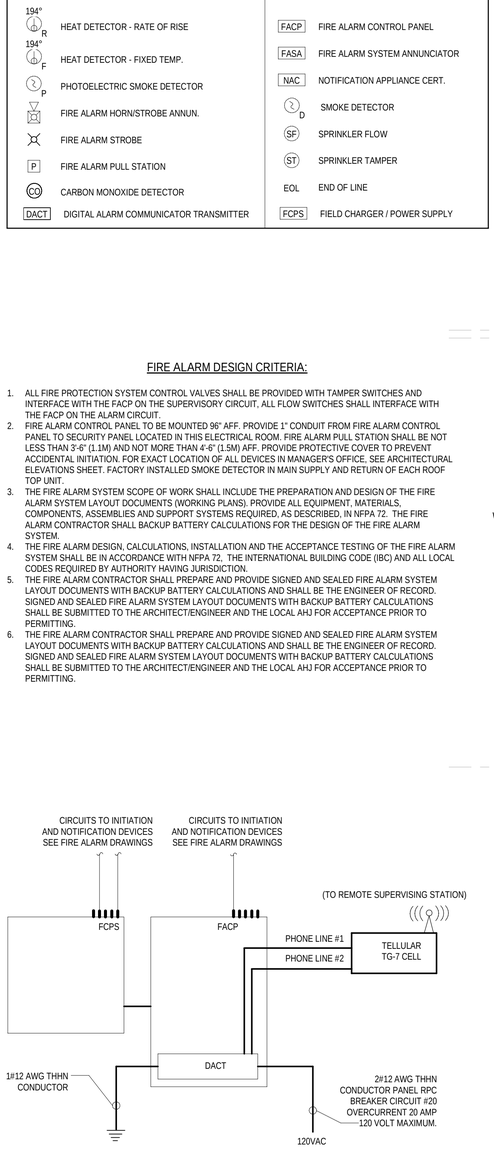
1. FIRE ALARM SYSTEM INSTALLED BY OTHERS. E.C. TO PROVIDE 3/4" CONDUIT, BOX AND PULL STRING FOR ALL PULL STATIONS, STROBES, OTHER DEVICES AND PANELS LOCATED IN BUILDING AS REQUIRED.
2. FIRE ALARM CONTROL PANEL TO BE MOUNTED 60" AFF.
3. UNLESS OTHERWISE NOTED, MOUNT ALL PULL STATIONS AT 48" AFF AND AVS TO 84".
4. ALL FIRE ZONE DEVICES SHALL BE WIRED WITH 18 GUAGE/ 2 PAIR RED FIRE WIRE.
5. SPRINKLER TAMPER AND FLOW SWITHCES ONLY USED IF BUILDING IS SPRINKLED AND REQUIRED BY AHJ. SEE ELECTRICAL CONDUIT PLAN FOR CONDUIT TO TAMPER/FLOW SWITCHES AT BACKFLOW PREVENTER IF REQUIRED BY AHJ.
6. ALL FIRE ALARM HORN/STROBES SAHLL BE WIRED WITH 16 GUAGE/ 2 PAIR RED FIRE WIRE WHEN NOT USING SILENT KNIGHT 5495 POWER SUPPLY.
7. CONNECTION BETWEEN SECURITY CAMERA SYSTEM AND FIRE ALARM SYSTEM PANEL SHALL BE A 22 GUAGE/ 2 PAIR.
8. DRAWING IS FOR INFORMATION PURPOSES ONLY. FINAL FIRE ALARM PLAN TO BE PROVIDED BY A LICENSED CONTRACTOR.

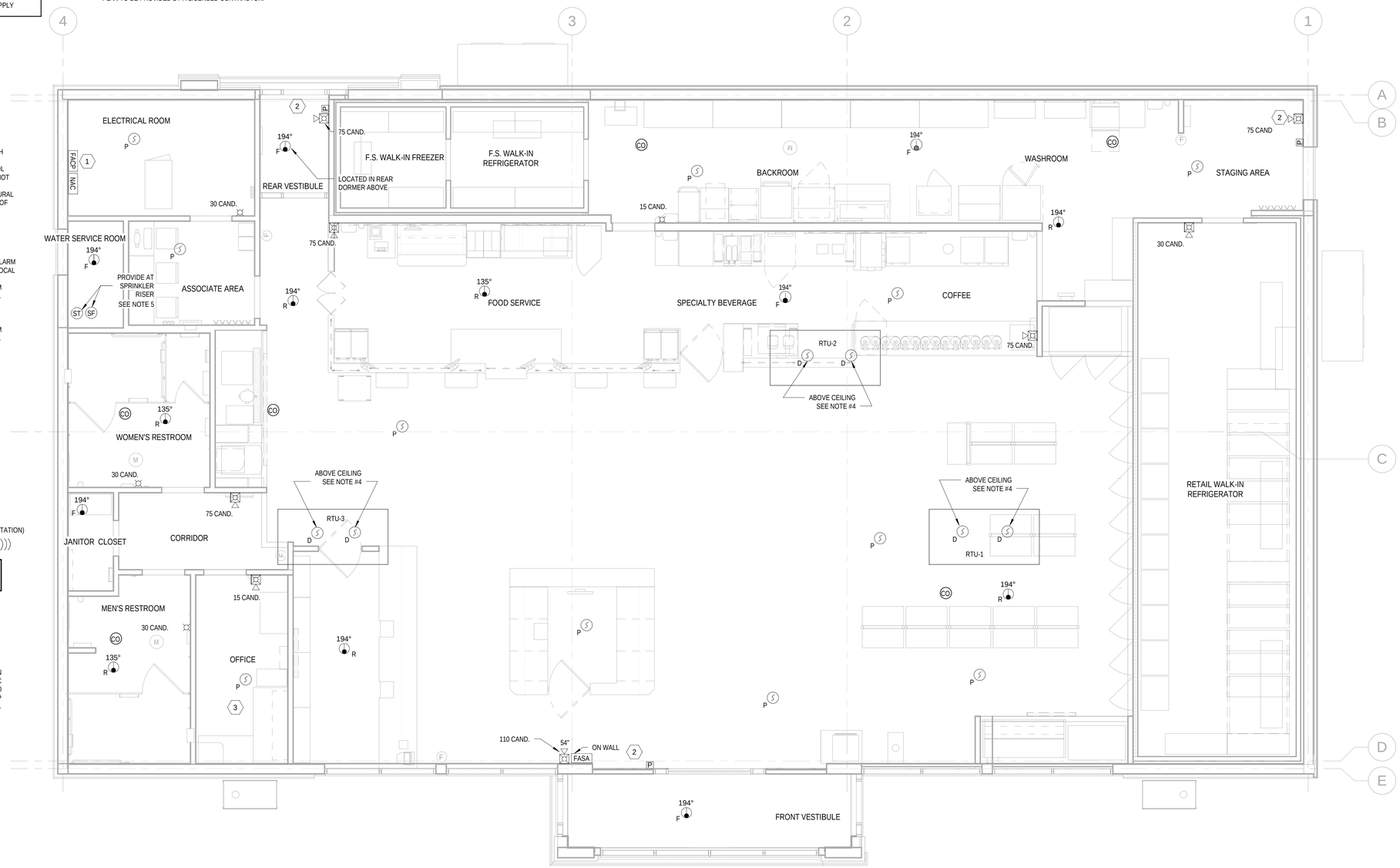
(X) KEYNOTES:

1. FIRE ALARM CONTROL PANEL TO BE MOUNTED 60" AFF. PROVIDE 1" CONDUIT FROM FIRE ALARM CONTROL PANEL TO SECURITY PANEL LOCATED IN THIS ELECTRICAL ROOM.
2. FIRE ALARM PULL STATION SHALL BE NOT LESS THAN 3'-6" (1.1M) AND NOT MORE THAN 4' (1.2M) AFF. PROVIDE PROTECTIVE COVER TO PREVENT ACCIDENTAL INITIATION.
3. FOR EXACT LOCATION OF ALL DEVICES IN MANAGER'S OFFICE, SEE ARCHITECTURAL ELEVATIONS SHEET.
4. FACTORY INSTALLED SMOKE DETECTOR IN MAIN SUPPLY AND RETURN OF EACH ROOF TOP UNIT.

FIRE ALARM DESIGN CRITERIA:

1. ALL FIRE PROTECTION SYSTEM CONTROL VALVES SHALL BE PROVIDED WITH TAMPER SWITCHES AND INTERFACE WITH THE FACP ON THE SUPERVISORY CIRCUIT, ALL FLOW SWITCHES SHALL INTERFACE WITH THE FACP ON THE ALARM CIRCUIT.
2. FIRE ALARM CONTROL PANEL TO BE MOUNTED 96" AFF. PROVIDE 1" CONDUIT FROM FIRE ALARM CONTROL PANEL TO SECURITY PANEL LOCATED IN THIS ELECTRICAL ROOM. FIRE ALARM PULL STATION SHALL BE NOT LESS THAN 3'-6" (1.1M) AND NOT MORE THAN 4'-6" (1.5M) AFF. PROVIDE PROTECTIVE COVER TO PREVENT ACCIDENTAL INITIATION. FOR EXACT LOCATION OF ALL DEVICES IN MANAGER'S OFFICE, SEE ARCHITECTURAL ELEVATIONS SHEET. FACTORY INSTALLED SMOKE DETECTOR IN MAIN SUPPLY AND RETURN OF EACH ROOF TOP UNIT.
3. THE FIRE ALARM SYSTEM SCOPE OF WORK SHALL INCLUDE THE PREPARATION AND DESIGN OF THE FIRE ALARM SYSTEM LAYOUT DOCUMENTS (WORKING PLANS). PROVIDE ALL EQUIPMENT, MATERIALS, COMPONENTS, ASSEMBLIES AND SUPPORT SYSTEMS REQUIRED, AS DESCRIBED, IN NFPA 72. THE FIRE ALARM CONTRACTOR SHALL BACKUP BATTERY CALCULATIONS FOR THE DESIGN OF THE FIRE ALARM SYSTEM.
4. THE FIRE ALARM DESIGN, CALCULATIONS, INSTALLATION AND THE ACCEPTANCE TESTING OF THE FIRE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 72, THE INTERNATIONAL BUILDING CODE (IBC) AND ALL LOCAL CODES REQUIRED BY AUTHORITY HAVING JURISDICTION.
5. THE FIRE ALARM CONTRACTOR SHALL PREPARE AND PROVIDE SIGNED AND SEALED FIRE ALARM SYSTEM LAYOUT DOCUMENTS WITH BACKUP BATTERY CALCULATIONS AND SHALL BE THE ENGINEER OF RECORD. SIGNED AND SEALED FIRE ALARM SYSTEM LAYOUT DOCUMENTS WITH BACKUP BATTERY CALCULATIONS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AND THE LOCAL AHJ FOR ACCEPTANCE PRIOR TO PERMITTING.
6. THE FIRE ALARM CONTRACTOR SHALL PREPARE AND PROVIDE SIGNED AND SEALED FIRE ALARM SYSTEM LAYOUT DOCUMENTS WITH BACKUP BATTERY CALCULATIONS AND SHALL BE THE ENGINEER OF RECORD. SIGNED AND SEALED FIRE ALARM SYSTEM LAYOUT DOCUMENTS WITH BACKUP BATTERY CALCULATIONS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AND THE LOCAL AHJ FOR ACCEPTANCE PRIOR TO PERMITTING.





1 E9.0 FIRE ALARM SYSTEM PLAN
1/4" = 1'-0"

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PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ELECTRICAL FIRE ALARM DEVICE PLAN

RELEASE	DATE
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REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60699812
DRAWN	
CHECKED	

8216
UPPER SOUTHAMPTON, PA

Wawa

E9.0

⟨X⟩ KEYNOTES:

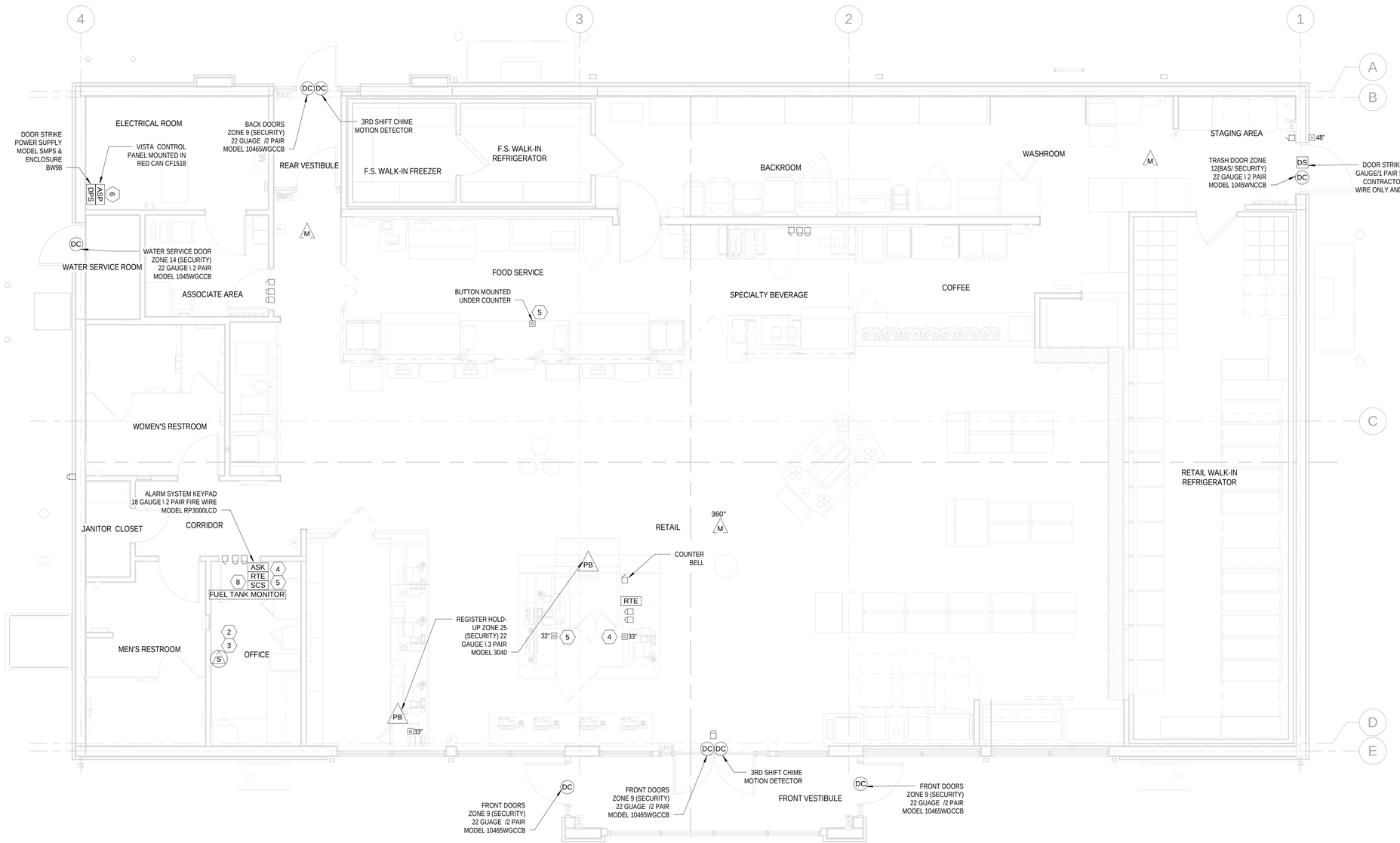
1. SECURITY CONTRACTOR TO MOUNT OUTSIDE CAMERAS 9 & 10 VIEWING GAS PUMPS.
2. FOR EXACT LOCATION OF ALL DEVICES IN MANAGER'S OFFICE SEE SHEET A10.1.
3. SECURITY CONTRACTOR SHALL MOUNT SECURITY SPEAKER ABOVE OFFICE CEILING, SECURED TO WALL OR METAL STUD. 18 GAUGE/ 1 PAIR.
4. TRASH DOOR SECURITY TIMER RELEASE BUTTON MOUNTED IN OFFICE, SECOND SWITCH MOUNTED TO THE RIGHT OF CORE OPENING IN FIRST CABINET. (NO TIME DELAY NEEDED WITH BAS SYSTEM)
5. DELIVERY DOOR TIMER RELEASE BUTTON MOUNTED IN OFFICE BELOW SECURITY KEYPAD, SECOND SWITCH MOUNTED TO THE LEFT OF CORE OPENING IN FIRST CABINET. THIRD BUTTON MOUNTED UNDER FRONT COUNTER OF FOOD SERVICE AREA.
6. MOUNT SECURITY PANELS 96" FROM FLOOR. FIELD COORDINATE EXACT LOCATION WITH WAWA PROJECT MANAGER.
7. NOT USED.
8. 3RD SHIFT CHIME ON/OFF SWITCH LOCATED BELOW SECURITY KEYPAD.

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT, OUTLET/BACK BOX AND PULL STRING TO ABOVE ACCESSABLE CEILING FOR ALL DEVICES, PANELS AND OTHER ELECTRICAL EQUIPMENT LOCATED IN WALL OR HARD CEILING SPACES.
2. ALL SECURITY SYSTEM PANELS, DEVICES, CAMERAS, SPEAKERS, AND ASSOCIATED WIRING SUPPLIED AND INSTALLED BY WAWA SECURITY CONTRACTOR.
3. CONNECTION BETWEEN SECURITY CAMERA SYSTEM AND FIRE ALARM SYSTEM PANEL SHALL BE A 2 GAUGE/ 2 PAIR.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE (1)18-2 AND (1)RG-59 COAX CABLE TO EACH SECURITY CAMERA FROM CAMERA POWER SUPPLY. PROVIDE 2 WHITE 18-2 CONDUCTORS FOR POWER SUPPLY.
5. PHONE LINES PROVIDED BY OTHERS. E.C. TO PROVIDE CONDUIT. BOX AND PULL STRING TO ACCESSIBLE ABOVE CEILING SPACE.
6. EXTERIOR WALL MOUNTED CAMERAS (NOT UNDER CANOPIES) TO BE MOUNTED AT HEIGHT OF 14 FEET.

LEGEND

⊡	PUSH BUTTON BUZZER (EXTERIOR)
⊡	PUSH BUTTON BELL (INTERIOR)
	BUZZER (EXTERIOR) / BELL (INTERIOR)
	CHIME
	NJ - 3RD SHIFT DRIVEWAY CHIME
ASP	SECURITY SYSTEM PANEL
ASK	SECURITY SYSTEM KEYPAD
SCS	SECURITY SYSTEM KEYPAD
FUEL TANK MONITOR	PETROLEUM ALARM
DC	DOOR CONTACT
M	MOTION DETECTOR
PB	PANIC BUTTON
PB	PANIC BUTTON WITH LEAD
S	SECURITY SPEAKER
DPS	DOOR STRIKE POWER SUPPLY
DS	DOOR STRIKE
RTE	REQUEST TO ENTER



1 E10.0 SECURITY SYSTEM PLAN

1/4" = 1'-0"

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND ST. PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ELECTRICAL SECURITY SYSTEM PLAN

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV. A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60698812
DRAWN	
CHECKED	

8216
UPPER SOUTHAMPTON, PA

Wawa

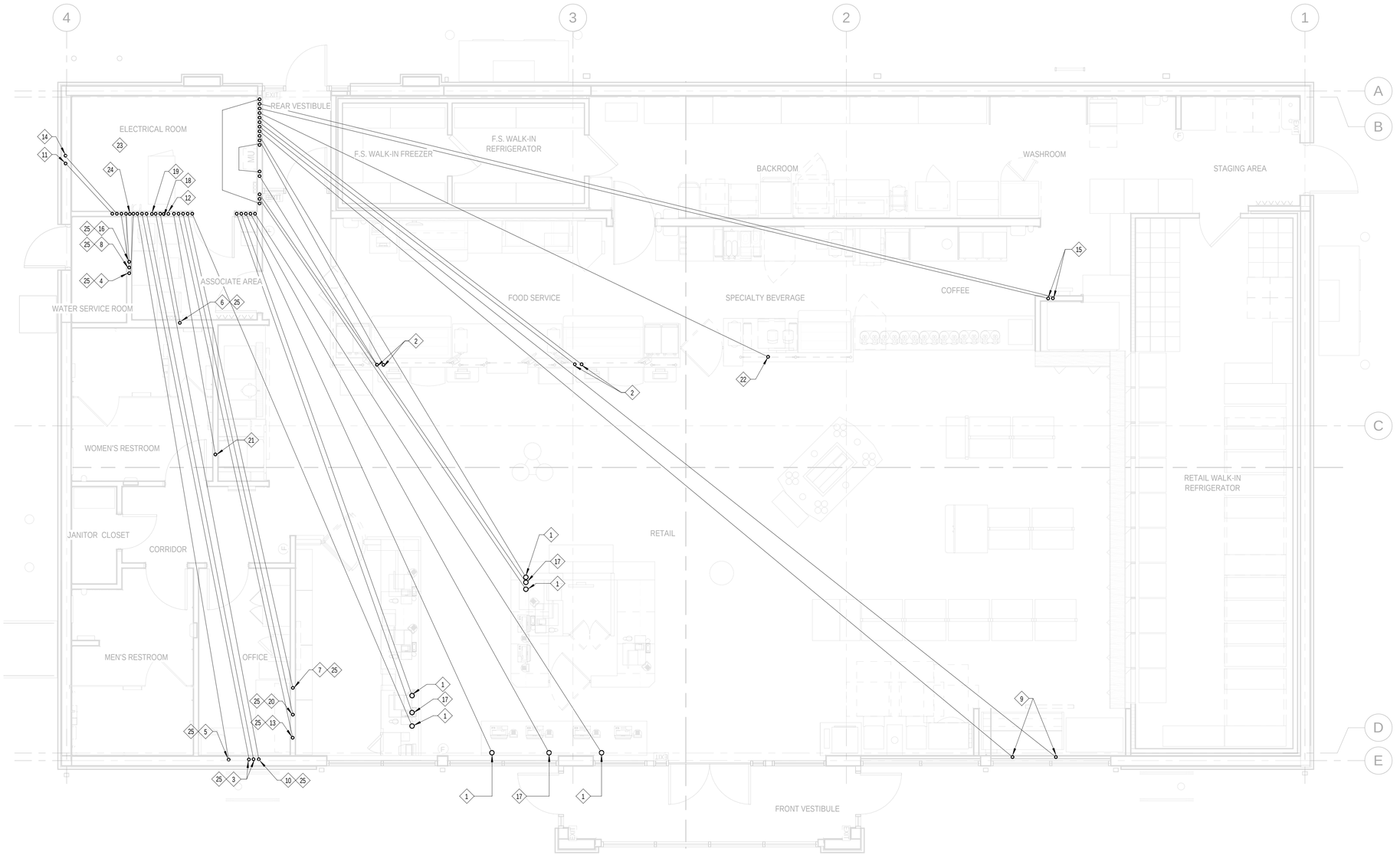
E10.0

GENERAL NOTES

1. CABLES 1-8 TO TERMINATE IN 12 PORT PATCH PANEL.
2. CABLES 9-11 AND 13 TO TERMINATE IN BLUE RJ45 PLATE.
3. CABLES 14 AND 33 TO TERMINATE IN WHITE RJ45 PLATE.
4. CABLES 12 AND 15-17 TO TERMINATE IN ORANGE RJ45 PLATE.
5. CABLES 18-27 TO TERMINATE IN YELLOW RJ45 PLATE.
6. CABLE 29 TO TERMINATE IN WHITE RJ45 PLATE.
7. CABLE 28 TO TERMINATE IN RED RJ45 PLATE.
8. DATA CABINET IS 24 PORT PATCH PANEL #1,2 AND 3. CHECKOUT AND FOOD SERVICE IS 12 PORT PATCH PANEL.

SHEET NOTES

1. ROUTE ONE (1) 25 PAIR CABLE FROM DATA CABINET TO CHECKOUT AREA TYP. OF 4. (CABLES #1-4)
2. ROUTE (1) 25 PAIR CABLE FROM DATA CABINET TO DELI AREA TYP. OF 4.(CABLES #5-8)
3. ROUTE ONE (1) 4 PAIR BLUE OR GRAY CABLE FROM DATA CABINET TO OFFICE WALL TYP. OF 2. (CABLES #9-10 KVM 1&2)
4. ROUTE ONE (1) 4 PAIR BLUE OR GRAY CABLE FROM DATA CABINET TO ASSOCIATE AREA. (CABLE#11)
5. ROUTE ONE (1) 4 PAIR BLUE OR GRAY CABLE FROM DATA CABINET TO PRINTER IN OFFICE AREA. (CABLE #12)
6. ROUTE ONE (1) 4 PAIR BLUE OR GRAY CABLE FROM DATA CABINET TO TIME CLOCK. (CABLE #13)
7. ROUTE ONE (1) 4 PAIR WHITE CABLE FROM DATA CABINET TO DVR IN OFFICE AREA. (CABLE #14)
8. ROUTE ONE (1) 4 PAIR BLUE OR GRAY CABLE FROM DATA CABINET TO SCT IN ASSOCIATE AREA. (CABLE #15)
9. ROUTE ONE (1) 4 PAIR ORANGE CABLE FROM DATA CABINET TO ATM AREA TYP. OF 2. (CABLES #16 &17)
10. ROUTE ONE (1) 4 PAIR YELLOW CABLE FROM ALLIED BOX TO GAS SIGN CONTROL BOX. (CABLE #18)
11. ROUTE ONE (1) 4 PAIR YELLOW CABLE FROM ALLIED BOX TO FUEL TANK MONITOR DATA BOX. (CABLE #19)
12. ROUTE ONE (1) 4 PAIR YELLOW FROM ALLIED BOX TO GAS PATCH PANEL AT SERVER RACK TYP.OF 8. (CABLES # 20-27)
13. ROUTE ONE (1) 4 PAIR BLUE OR GRAY PHONE CABLE FROM BRCM TO PRINTER (CABLE #29)
14. ROUTE ONE (1) 4 PAIR BLUE OR GRAY TELEPHONE CABLE FROM BRCM TO FUEL TANK MONITOR EQUIPMENT (CABLE #30)
15. ROUTE ONE (1) 4 PAIR BLUE OR GRAY TELEPHONE CABLE FROM BRCM TO FOOD SERVICE. TYP. OF 2. (CABLES #31-32)
16. ROUTE ONE (1) 4 PAIR BLUE OR GRAY TELEPHONE CABLE FROM BRCM TO ASSOCIATE AREA (CABLE #33)
17. ROUTE ONE (1) 4 PAIR BLUE OR GRAY TELEPHONE CABLE FROM BRCM TO CHECKOUT AREA (CABLES #34-35)
18. ROUTE ONE (1) 4 PAIR BLUE OR GRAY TELEPHONE CABLE FROM BRCM TO DATA CABINET (CABLE #36)
19. ROUTE ONE (1) 4 PAIR BLUE OR GRAY TELEPHONE CABLE FROM BRCM TO PERMEATOR (CABLE #37)
20. ROUTE ONE (1) 4 PAIR BLUE OR GRAY CABLE FROM BRCM TO OFFICE (CABLE #28)
21. ROUTE ONE (1) CAT5 FROM DATA CABINET TO FREESTYLE MACHINE (CABLE # 38)
22. ROUTE ONE (1) CAT5 FROM DATA CABINET TO KPS UNIT(CABLE # 39)
23. WIFI INSTALLED BY OTHERS CAT5 FROM ELECTRICAL ROOM.
24. ROUTE ONE (1) CAT5 FROM DATA CABINET TO MANAGERS OFFICE WALL NEAR PRICE SIGN CONTROLLER (CABLE #40)
25. PROVIDE OUTLET BOX AND CONDUIT TO ACCESSIBLE ABOVE CEILING SPACE PRIOR TO DRYWALL AND CEILING INSTALLATION.



1 E11.0 LOW VOLTAGE CABLE PLAN
1/4" = 1'-0"

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ELECTRICAL LOW VOLT CABLE PLAN

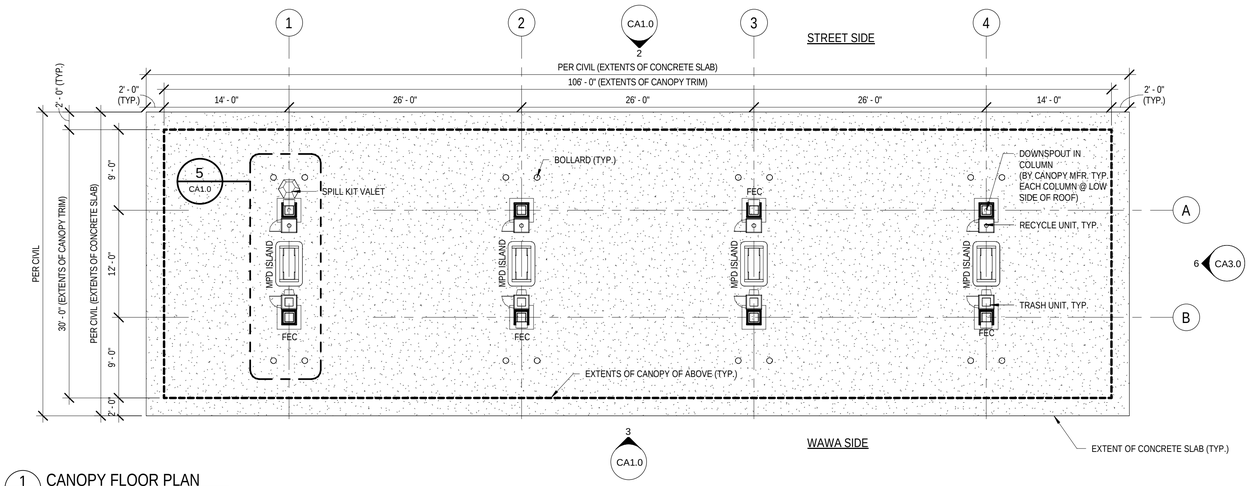
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REV C - REVISED IFC SET	04/18/22/25

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60699812
DRAWN	
CHECKED	

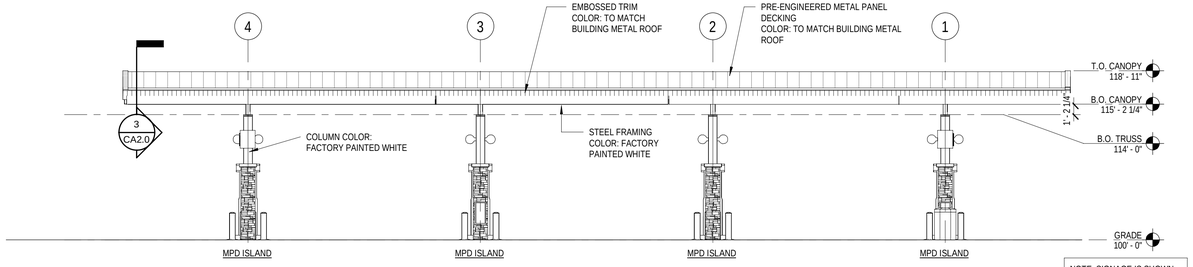
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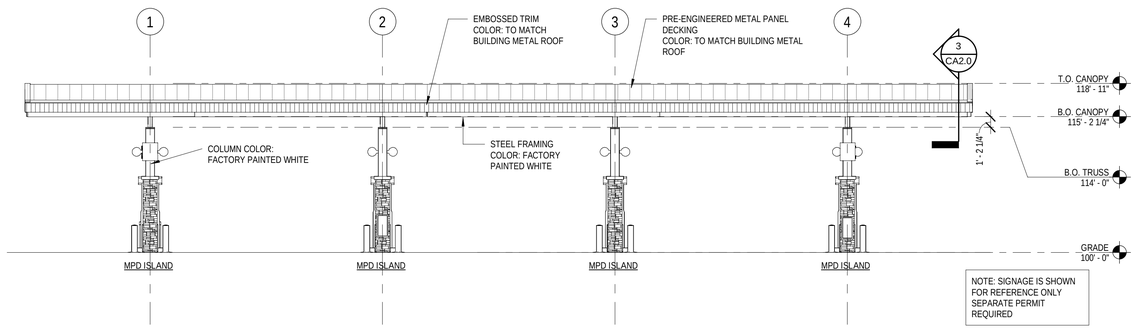
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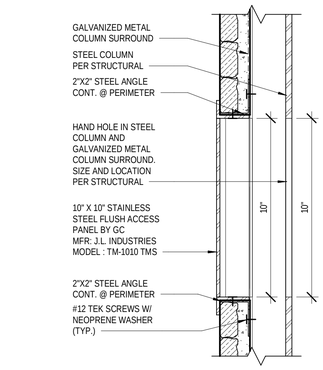
1 CANOPY FLOOR PLAN
CA1.0 — 1/8" = 1'-0"



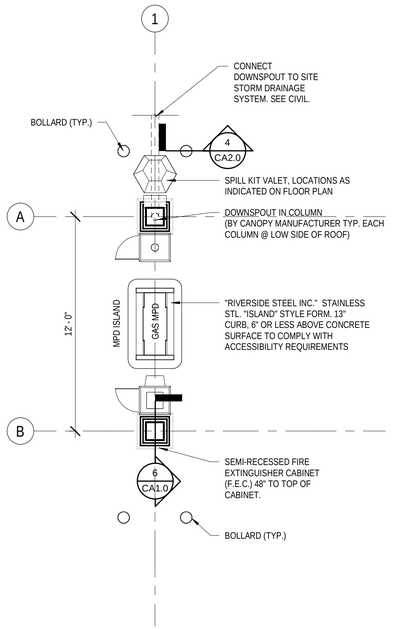
2 CANOPY REAR ELEVATION
CA1.0 — 1/8" = 1'-0"



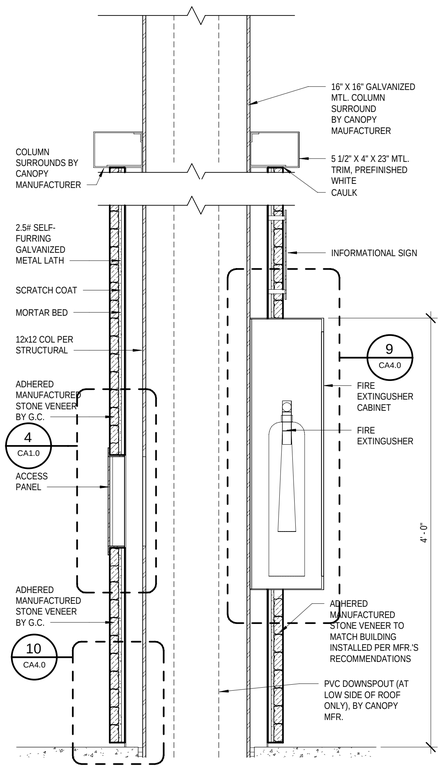
3 CANOPY FRONT ELEVATION
CA1.0 — 1/8" = 1'-0"



4 ACCESS PANEL DETAIL
CA1.0 — 3" = 1'-0"



5 GAS ISLAND DETAIL
CA1.0 — 1/4" = 1'-0"



6 COLUMN DETAIL
CA1.0 — 1 1/2" = 1'-0"

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE (IBC) NFPA 30A CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES, AND NFPA 10 STANDARD FOR PORTABLE FIRE EXTINGUISHERS. SEE COVER SHEET FOR DETAILED CODE INFORMATION.

2. FIRE EXTINGUISHER CABINETS (F.E.C.) SHALL BE STAINLESS STEEL SURFACE MOUNTED AS MANUFACTURED BY J.L. INDUSTRIES, COSMOPOLITAN SERIES, MODEL #2033, WITH FULL CLEAR ACRYLIC GLAZING ON DOOR. FIRE EXTINGUISHER CABINETS ARE SUPPLIED BY WAWA AND INSTALLED BY GENERAL CONTRACTOR. ONE PER MPD ISLAND. SEE DETAILS CA2 SHEET FOR REQUIRED MOUNTING HEGHTS.

3. FIRE EXTINGUISHERS SHALL HAVE A MINIMUM UL RATING OF 4A:60-B:C (HIGH FLOW). FIRE EXTINGUISHERS TO COMPLY WITH NFPA 30A AND MEET OR EXCEED NFPA 10 CLASS B SPECIAL HAZARD FIRE PROTECTION RECOMMENDATIONS. FIRE EXTINGUISHERS ARE SUPPLIED BY WAWA AND INSTALLED BY PETROLEUM CONTRACTOR. ONE PER MPD ISLAND.

4. FIRE EXTINGUISHER SIGNS PROVIDED AND INSTALLED BY WAWA. SEE DETAIL THIS SHEET FOR REQUIRED MOUNTING HEIGHT.

5. WARNING SIGNS SHALL BE PROVIDED BY WAWA AND INSTALLED BY THE PETROLEUM CONTRACTOR AT EACH MPD ISLAND. WARNING SIGNS (NFPA 30A 9.2.5.4 SIGNS) SHALL INCLUDE BUT NOT BE LIMITED TO:
   a. NO SMOKING.
   b. STOP ENGINE.
   c. UNLAWFUL TO DISPENSE GASOLINE INTO UNAPPROVED CONTAINERS.

6. LOCATION OF TRASH UNITS AND RECYCLE UNITS SHALL BE AS SHOWN ON FLOOR PLAN. LEVEL RECEPTACLES WITH ADJUSTABLE LEVELERS AND ANCHOR TO CONCRETE SURFACE USING (2) 3/8" X 3 ¾" WEDGE ANCHORS PER UNIT. UNITS ARE FURNISHED AND INSTALLED BY WAWA.

7. LOCATION OF SPILL KIT VALETS SHALL BE AS SHOWN ON FLOOR PLAN. ANCHOR TO CONCRETE SURFACE WITH ANCHOR BOLTS AND WING NUT FASTENERS. SPILL KIT VALETS ARE SUPPLIED BY WAWA AND INSTALLED BY PETROLEUM CONTRACTOR.

8. VERIFY IF MUSIC IS ACCEPTED OR REQUIRED WITH WAWA REAL-ESTATE ENGINEER AND PROJECT MANAGER. SEE SHEET CE1 ELECTRICAL CANOPY PLANS, DETAILS, AND SCHEDULES FOR MUSIC INSTALLATION REQUIREMENTS. MUSIC SHALL BE INSTALLED BY THE PETROLEUM CONTRACTOR.

9. VERIFY CANOPY CONFIGURATION ON FINAL SITE PLAN.

10. ALL METAL AND ALUMINUM TRIM SHALL MATCH ATAS #26 BONE WHITE UNLESS NOTED OTHERWISE (U.N.O).

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2022.Q4
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ARCH. CANOPY PLAN, ELEVATIONS, AND DETAILS

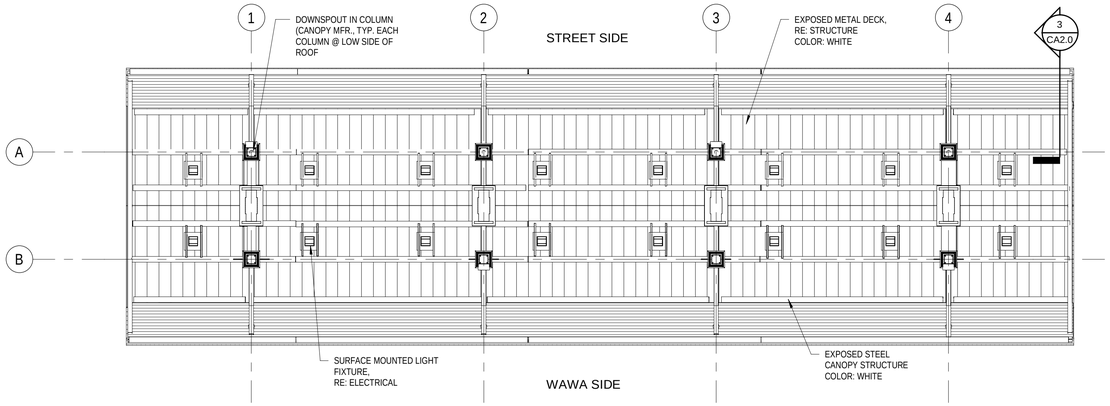
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REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2022.Q4
PROJECT NO.	60599812.8216
DRAWN	RM
CHECKED	AB

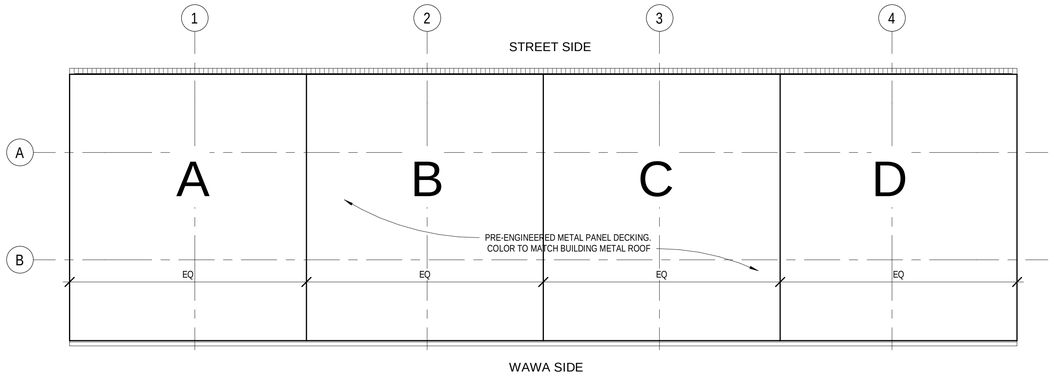
8216
UPPER SOUTHAMPTON, PA

Wawa

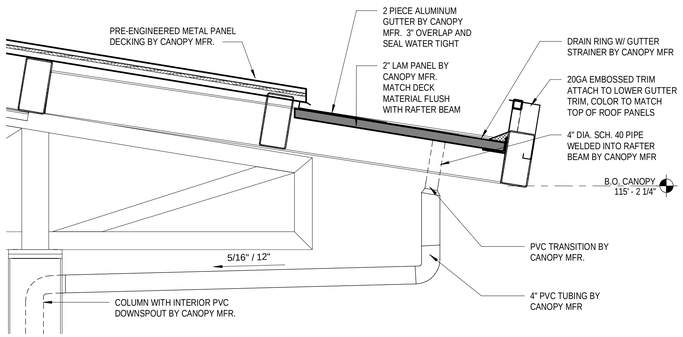
CA1.0



1 CA2.0 **CANOPY REFLECTED CEILING PLAN**
1/8" = 1'-0"



2 CA2.0 **CANOPY ROOF PLAN**
1/8" = 1'-0"



3 CA2.0 **SECTION @ GUTTER**
3/4" = 1'-0"

PLUMBING SIZE OF CONDUCTORS AND LEADERS ROOF CALCULATION
2018 IBC - PLUMBING, TABLE 1106.3 - VERTICAL LEADER SIZING:
RAINFALL RATE (INCHES PER HOUR) = 3.1"
HORIZONTALLY PROJECTED ROOF AREA SQUARE FOOTAGE

SECTION A
ROOF DRAIN #1
ROOF AREA A 790 SQ. FT.
TOTAL 790 SQ. FT.

ROOF DRAIN #1
790 SQ. FT @ 3.1" RAIN PER HOUR = 26 GPM = 4"ø VERTICAL LEADER (4"ø PROVIDED)

SECTION B
ROOF DRAIN #2
ROOF AREA B 790 SQ. FT.
TOTAL 790 SQ. FT.

ROOF DRAIN #2
790 SQ. FT @ 3.1" RAIN PER HOUR = 26 GPM = 4"ø VERTICAL LEADER (4"ø PROVIDED)

SECTION C
ROOF DRAIN #3
ROOF AREA C 790 SQ. FT.
TOTAL 790 SQ. FT.

ROOF DRAIN #3
790 SQ. FT @ 3.1" RAIN PER HOUR = 26 GPM = 4"ø VERTICAL LEADER (4"ø PROVIDED)

SECTION D
ROOF DRAIN #4
ROOF AREA D 790 SQ. FT.
TOTAL 790 SQ. FT.

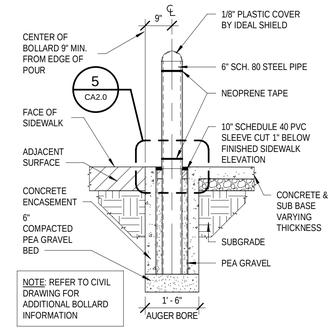
ROOF DRAIN #4
790 SQ. FT @ 3.1" RAIN PER HOUR = 26 GPM = 4"ø VERTICAL LEADER (4"ø PROVIDED)

ROOF DRAIN TECHNICAL DATA: 100 YEAR,
1 HR RAINFALL = 3.1"
TOTAL ROOF AREA = HORIZONTAL PROJECTED AREA +
HALF THE AREA OF VERTICAL WALLS THAT DIVERT WATER

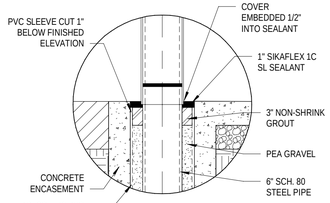
ROOF				VERTICAL PIPING			
LABEL	TOTAL AREA	LARGEST TRIB. AREA	GPM	REQUIRED		PROVIDED	
				QTY.	ø" VERT.	QTY.	ø" VERT.
A	790 SF	790 SF	26	1	4"	1	4"
B	790 SF	790 SF	26	1	4"	1	4"
C	790 SF	790 SF	26	1	4"	1	4"
D	790 SF	790 SF	26	1	4"	1	4"

TABLE 1106.3 SIZE OF VERTICAL CONDUCTORS AND LEADERS

SIZE OF LEADER (IN.)	CAPACITY (GPM)	SIZE OF LEADER (IN.)	CAPACITY (GPM)
2" x 2"	30	3"ø	92
1.5" x 2.5"	30	2" x 4"	92
2.5"ø	54	2.5" x 3"	92
2.5" x 2.5"	54	4"ø	192



4 CA2.0 **BOLLARD DETAIL**
1/2" = 1'-0"



5 CA2.0 **ENLARGED BOLLARD DETAIL**
1" = 1'-0"

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SHEET TITLE
ARCH. CANOPY ROOF PLAN, ELEVATION, AND DETAILS

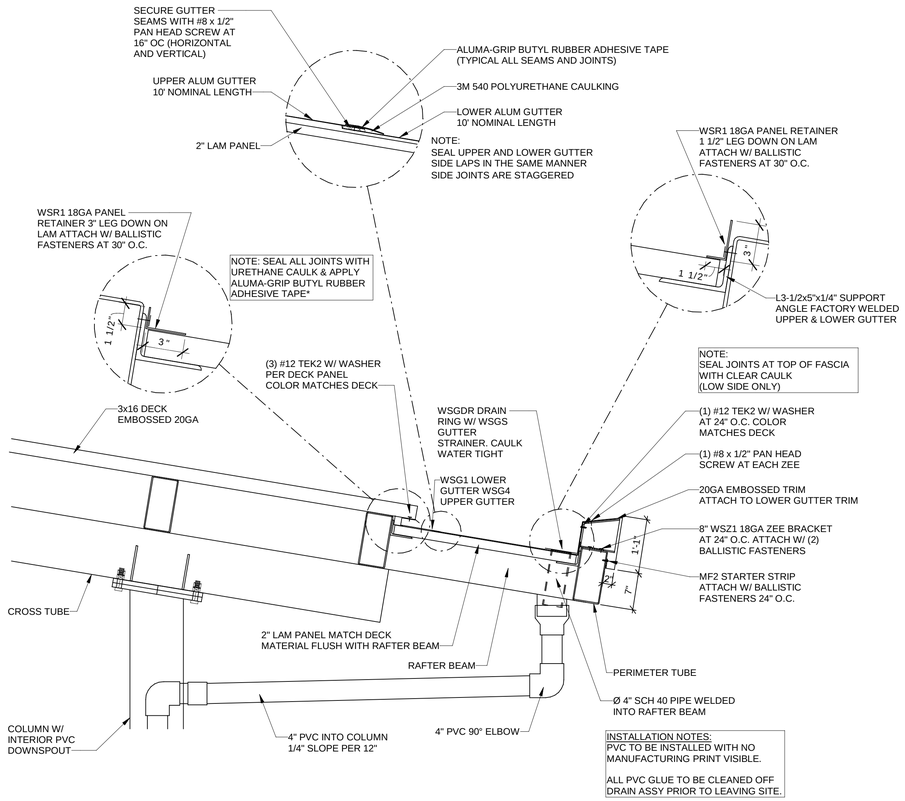
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PROTOTYPE: U45FB M v2022.Q4
PROJECT NO.: 60699812.8216
DRAWN: JP
CHECKED: DS

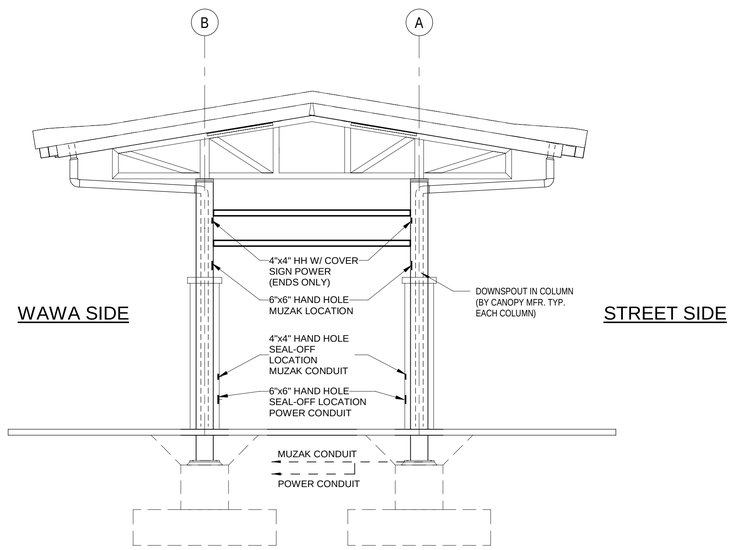
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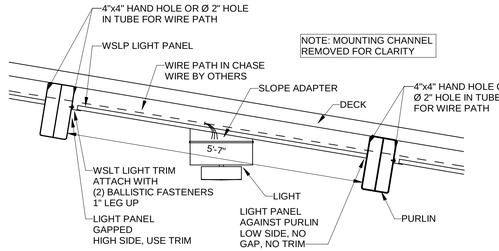
CA2.0



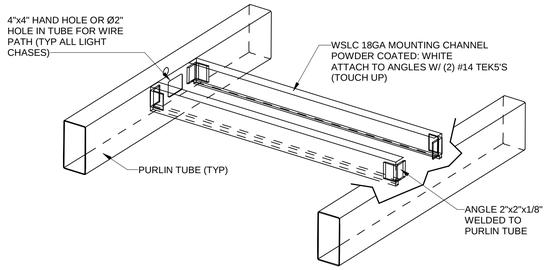
1 LOW EAVE/ GUTTER DETAIL
CA3.0 — 3/4" = 1'-0"



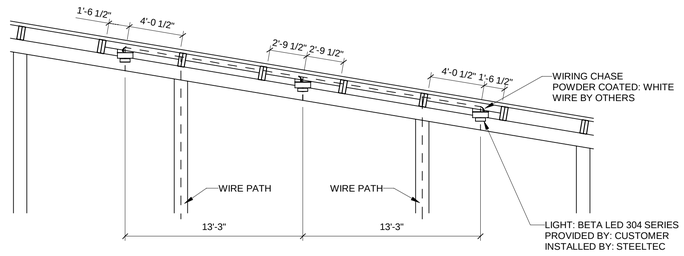
6 CANOPY SIDE ELEVATION
CA3.0 — 1/4" = 1'-0"



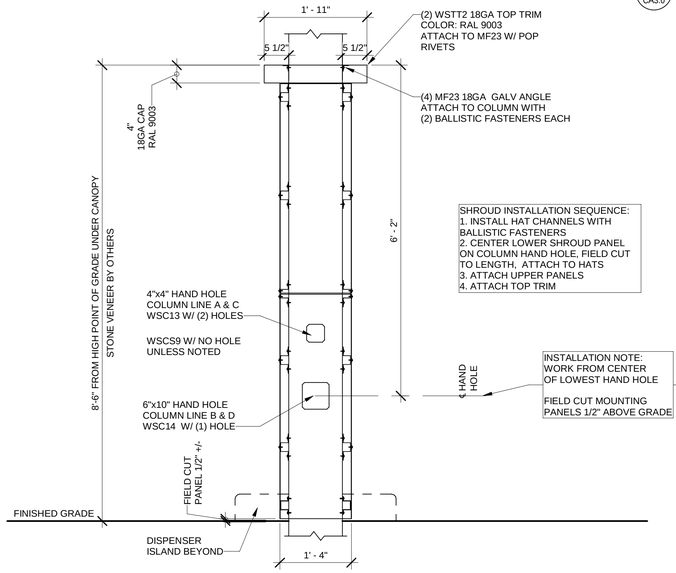
2 CANOPY LIGHT TRIM DETAIL
CA3.0 — 3/4" = 1'-0"



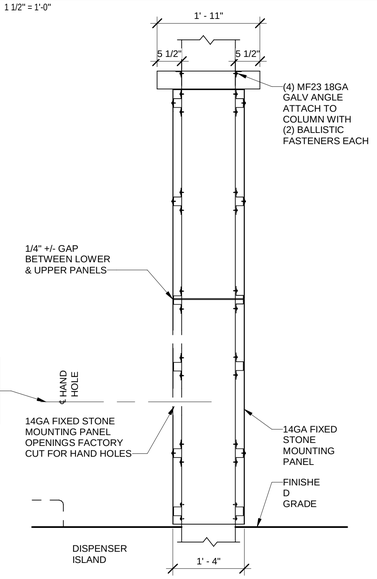
3 LIGHT FRAMING DETAIL
CA3.0 — 3/4" = 1'-0"

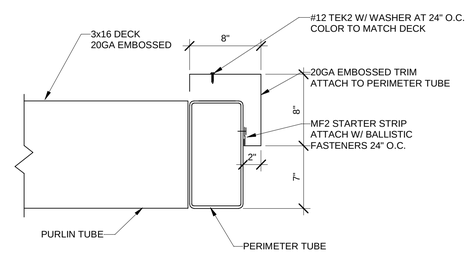


4 CANOPY SECTION WITH LIGHTS
CA3.0 — 3/16" = 1'-0"



5 SIDE TRIM DETAIL
CA3.0 — 1 1/2" = 1'-0"





A — SECTION THRU SHROUD

B — SECTION THRU SHROUD

7 SHROUD SECTIONS
CA3.0 — 3/4" = 1'-0"

BALANCE INSTALLATION

STEP ONE - LAM PANELS:
1. LAM SURFACE TO BE FLUSH WITH TOP OF RAFTER BEAMS
2. ATTACH WSR1 TO TUBES WITH BALLISTIC FASTENERS, NO FASTENERS INTO LAM HIGH SIDE = 3" LEG ON LAM, LOW SIDE = 1 1/2" LEG ON LAM
3. IF FIELD CUTTING OF (1) LAM IS REQUIRED, USE ***ALL*** MT7 TRIMS

STEP TWO - DECK PANS:
1. CLIP ATTACHMENT AT EVERY RIB / PURLIN TUBE, ADDITIONAL CLIPS ON ENDS OF CANOPY AT NOM 3'-0"
2. INSURE CLIPS ARE NOT VISIBLE FROM GROUND
3. CONTINUALLY CHECK GAP IN PANELS AND INSURE PANELS ARE RUNNING SQUARE, HOLD PANEL SQUARE AT HIGH SIDE

STEP THREE - GUTTER SYSTEM:
1. ATTACH WSZ1 ZEE TO PERIMETER TUBE WITH BALLISTIC SHOTS USE LAM RETAINER ANGLE FOR PLACEMENT WSG1'S = LOWER GUTTER, WSG4'S = UPPER GUTTER
2. STAGGER GUTTER JOINTS
3. ATTACH WSG1'S TO ZEE WITH (1) #8 x 1/2" PAN HEAD SCREWS
4. ATTACH WSG4'S TO DECK PAN W/ (3) #12 TEK2 W/ WASHER
5. ALL GUTTER SEAMS (VERTICAL AND HORIZONTAL) ARE TO BE SECURED WITH #8 X 1/2" PAN HEAD SCREWS, 16" O.C.
6. GUTTERS ARE SECURED WITH #8 X 1/2" PAN HEAD SCREWS AROUND DOWNSPOUT
7. AS REQUIRED CENTER SECTIONS OF GUTTERS ARE SECURED WITH #8 X 1/2" PAN HEAD SCREWS
8. ALL LAP JOINTS TO BE TOP SEALED WITH ALUMA-GRIP BUTYL RUBBER TAPE
9. TAPE EDGES ARE TO BE ROLLED SMOOTH WITH HARD RUBBER ROLLER
10. SCREWS NOT COVERED BY TAPE AT LAP JOINTS ARE TO BE SEALED WITH POLYURETHANE SEALANT AND COVERED WITH A SQUARE OF ALUMA-GRIP BUTYL RUBBER TAPE
11. FIELD CUT HOLE FOR DRAIN, CAULK WSGDR RETAINER RING IN PLACE IF NEEDED
12. EDGE OF OPENING IN GUTTER AT DRAIN TO BE SEALED WITH POLYURETHANE SEALANT
13. ALUMA-GRIP TAPE IS TO BE LAPPED OVER GUTTER AND FORMED INTO DRAIN MINIMUM 1" DEEP
14. EDGES OF ALUMA-GRIP TAPE WITHIN 12" OF BOTTOM CORNER OF GUTTER ARE TO BE 'BUTTERED' WITH POLYURETHANE SEALANT FOR A 'TRIPLE SEAL'
15. ALUMINUM DRAIN COVER TO BE INSTALLED 1/2" ABOVE DRAIN OPENING ATTACH COVER TO BACK OF GUTTER WALL WITH LAP-TEK SCREW

STEP FOUR - TRIMS:
1. LOW SIDE = WST1's, LEFT AND RIGHT CORNERS
2. ENDS = WST4's, LEFT AND RIGHTS
3. INSTALL WSDC DECK CLOSURE BEFORE HIGH SIDE TRIM
4. HIGH SIDE = WST3
5. HOLD TRIMS SQUARE WITH TUBE
6. AFTER FASCIA/RAKE TRIM IS INSTALLED SEAL JOINTS IN TRIM AND AT EDGE OF GUTTER WITH CLEAR CAULK

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BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M V2022.Q4
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
ARCH. CANOPY TRIM, GUTTER, LIGHTING AND SHROUD DETAILS

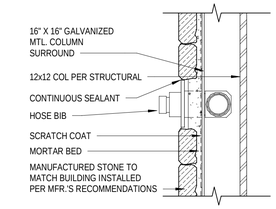
RELEASE	DATE
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REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2022.Q4
PROJECT NO.	60699812.8216
DRAWN	RM
CHECKED	AB

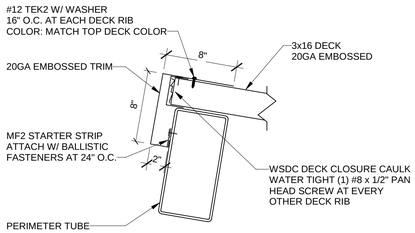
8216
UPPER SOUTHAMPTON, PA

Wawa

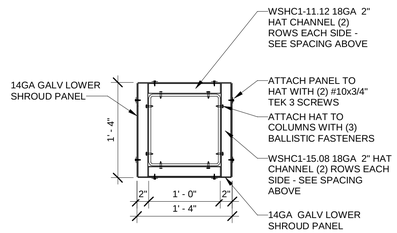
CA3.0



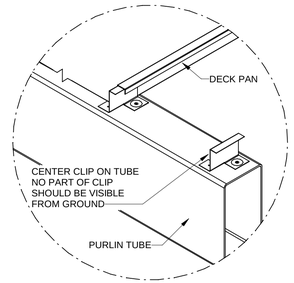
1 CA4.0 **HYDRANT DETAIL**
3" = 1'-0"



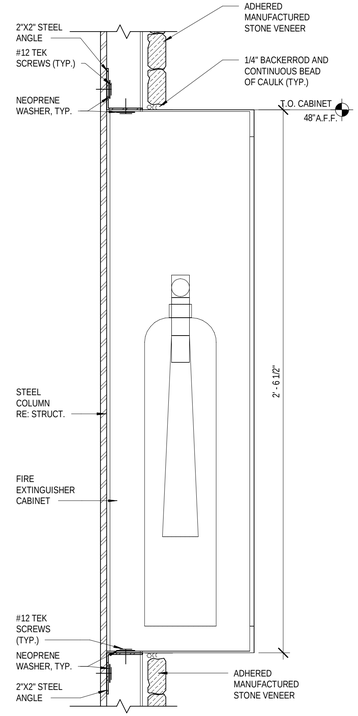
2 CA4.0 **HIGH EAVE TRIM DETAIL**
1 1/2" = 1'-0"



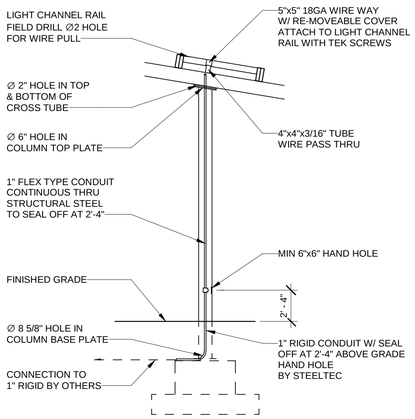
3 CA4.0 **SECTION THRU SHROUD**
1" = 1'-0"



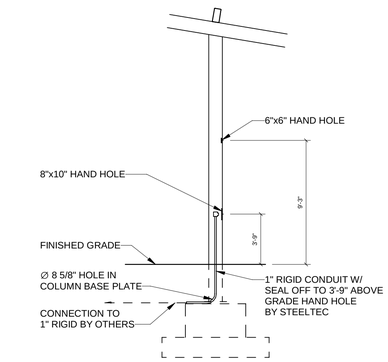
4 CA4.0 **CLIP REPLACEMENT DETAIL**
3/16" = 1'-0"



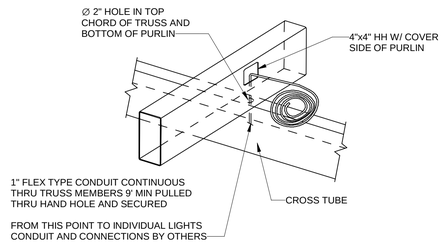
9 CA4.0 **FIRE EXTINGUISHER DETAIL**
3" = 1'-0"



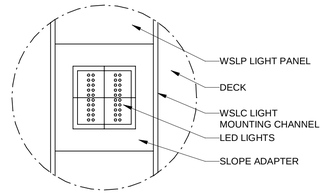
5 CA4.0 **WIRE PATH FOR CANOPY LIGHTS**
3/16" = 1'-0"



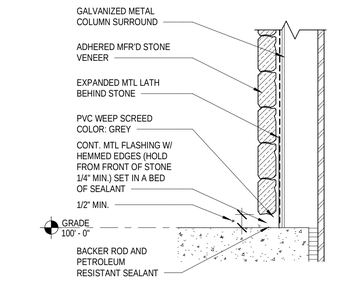
6 CA4.0 **WIRE PATH FOR SPARE**
3/16" = 1'-0"



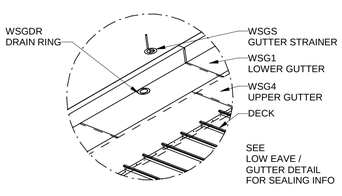
7 CA4.0 **CAN 5 - PURLIN TUBE AT CROSS TUBE**
3/16" = 1'-0"



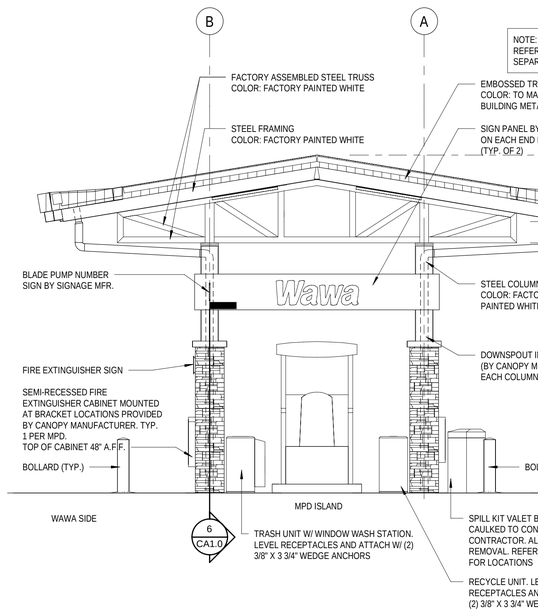
8 CA4.0 **LIGHT ORIENTATION**
3/16" = 1'-0"



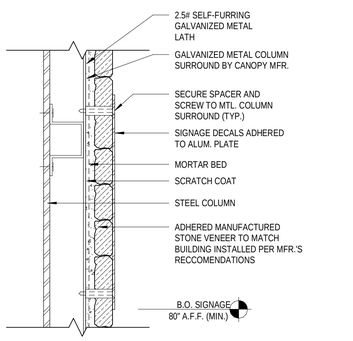
10 CA4.0 **BASE DETAIL**
3" = 1'-0"



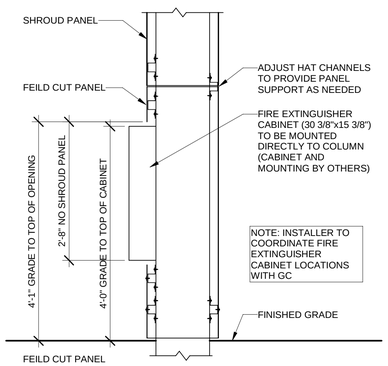
11 CA4.0 **GUTTER DRAIN DETAIL**
3/16" = 1'-0"



14 CA4.0 **CANOPY SIDE ELEVATION**
1/4" = 1'-0"



12 CA4.0 **FIRE EXTINGUISHER SIGN MOUNTING DETAIL**
3" = 1'-0"



13 CA4.0 **FIRE EXTINGUISHER CABINET MOUNTING DETAIL**
3/4" = 1'-0"

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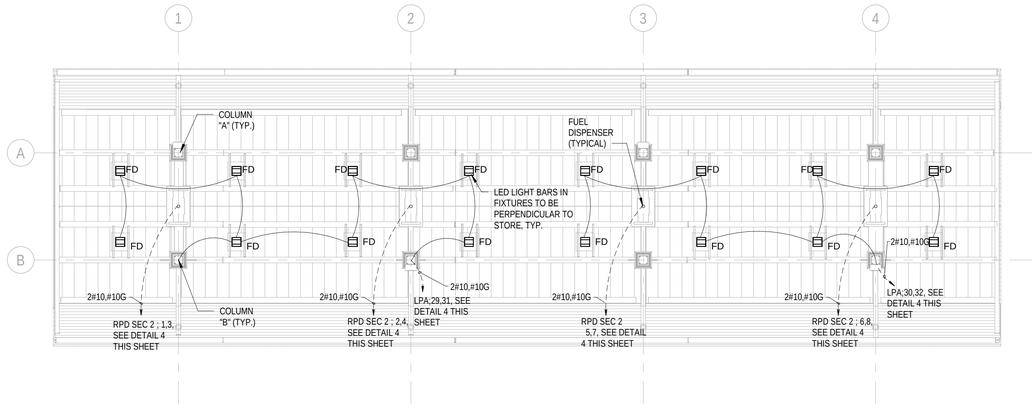
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ARCH. CANOPY TRIM, GUTTER, LIGHTING, AND SHROUD DETAILS

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PROTOTYPE	U45FB M v2022.Q4
PROJECT NO.	60598612.8216
DRAWN	RM
CHECKED	AB

8216
UPPER SOUTHAMPTON, PA
Wawa
CA4.0

A



WAWA STORE SIDE

1 CE1.0 CANOPY ELECTRICAL REFLECTED CEILING PLAN
1/8" = 1'-0"

ELECTRICAL NOTES

1. ALL FIXTURES AND COMPONENTS SHALL BE GROUNDED BY A SEPARATE #10 GROUND WIRE.
2. PETROLEUM CONTRACTOR TO PULL WIRING FOR INTERCOM AT CANOPY (SUPPLIED BY OTHERS).
3. THE CONDUIT FOR THE "FD" FIXTURES TO RUN ALONG THE GUTTER PAN AND RUN TO THE FIXTURES IN THE FLUTES OF THE DECKING. NO CONDUIT SHOULD BE VISIBLE FROM BELOW THE CANOPY.
4. FOR DISPENSER DATA, FUEL-TANK MONITOR SENSOR, AND INTERCOM/MUSIC PROVIDE CONDUCTORS AND CONNECTIONS AS REQUIRED. COORDINATE WITH WAWA CONSTRUCTION MANAGER.
5. USE THIS CIRCUIT TO PROVIDE POWER TO 208 VOLT ILLUMINATED SIGN AT THIS LOCATION BETWEEN CANOPY COLUMNS AT APPROXIMATELY 12' AFG.
6. ELECTRICAL CONTRACTOR TO COORDINATE WITH PETROLEUM CONTRACTOR AND GENERAL CONTRACTOR TO MAKE SURE THAT SEAL OFF FITTINGS AS REQUIRED ARE PROVIDED FOR CONDUITS ENTERING THE FUEL DISPENSERS AND THAT THE ELECTRICAL INSTALLATION AT THE GAS CANOPY AND FUEL TANKS IS IN ACCORDANCE WITH NEC ARTICLE 514.
7. FOR BRANCH CIRCUITS OUT TO CANOPY AREA, IF CIRCUIT LENGTH EXCEEDS 100 FEET WIRE/CONDUIT MUST BE SIZED PER FBC-13-413.1.ABC.1.2 (FLORIDA ONLY).
8. LIGHT FIXTURES PROVIDED BY WAWA AND INSTALLED BY CANOPY VENDOR. E.C. RESPONSIBLE FOR CONDUIT, WIRING AND FINAL CONNECTION.
9. WAWA GOOSE SIGN, E.C. TO VERIFY EXACT LOCATION WITH G.C. AND ARCHITECTURAL DRAWINGS, E.C. TO RUN WIRING, CONDUIT AND CONNECT TO LOCAL CIRCUITRY.

TANKS AND CANOPY CONDUITS AND CONDUCTORS NOTE:

THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ALL GRC CONDUIT, ASSOCIATED FITTINGS AND WIRE NECESSARY TO PROVIDE A COMPLETE ELECTRICAL SYSTEM FOR THE GAS CANOPY, FUEL TANKS, MUSIC AND INTERCOM SYSTEM.

HOWEVER, THE FOLLOWING CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR INDICATED BELOW.

FUEL TANKS
PETROLEUM CONTRACTOR SHALL FURNISH AND INSTALL THE CONDUIT FROM THE EDGE OF THE FUEL TANK CONCRETE PAD AND TERMINATE AT THE TANK EQUIPMENT.

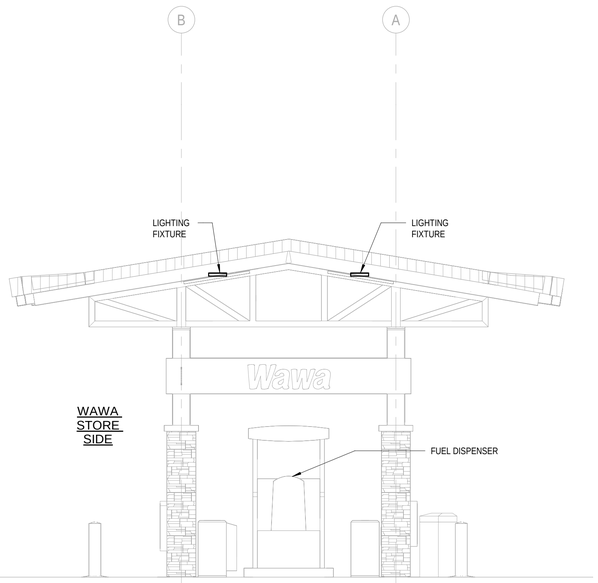
GAS CANOPY
PETROLEUM CONTRACTOR- SHALL FURNISH AND INSTALL THE CONDUIT FROM THE EDGE OF THE CONCRETE CANOPY PAD TO THE BASE OF THE CANOPY COLUMNS WHERE THEY WILL MAKE A THREADED CONNECTION. (REFER TO DETAIL 4/CE1.0) CANOPY FABRICATOR- SHALL FURNISH AND INSTALL THE THREADED CONNECTOR (MIN 5 EXPOSED THREADS) AT THE BASE OF THE CANOPY COLUMN AND CONTINUE UP THROUGH THE COLUMN TO A SEAL OFF AND J-BOX AT 2'-4" THEN CONTINUE WITH RIGID CONDUIT TO THE BOTTOM OF THE CANOPY WHERE IT WILL TRANSITION INTO SEALTIGHT CONDUIT AND TERMINATE AT THE FIRST ROW OF LIGHTS. GC SHALL CONNECT INTO THE FIRST ROW OF LIGHTS AND COMPLETE THE ELECTRICAL CANOPY LIGHTING.

PETROLEUM CONTRACTOR SHALL ALSO INSTALL THE CONDUIT FROM THE EDGE OF THE CONCRETE CANOPY PAD TO THE TERMINATION POINT FOR THE MUSIC AND INTERCOM SYSTEMS.

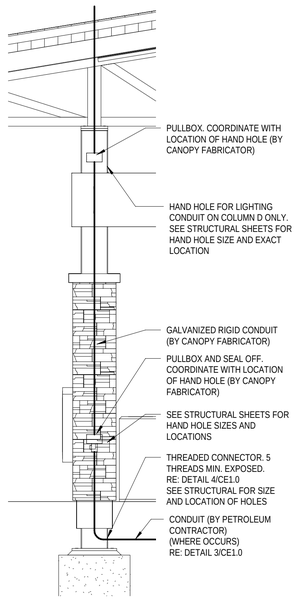
Lighting Fixture Schedule

TYPE	MANUF.	CATALOG NO.	QUANT.	WATTS / LAMP	LAMPS / FIXTURE	MGT.
FD		LED - DECK MOUNT - SLOPED ADAPTOR	16	114 W	1	SURFACE

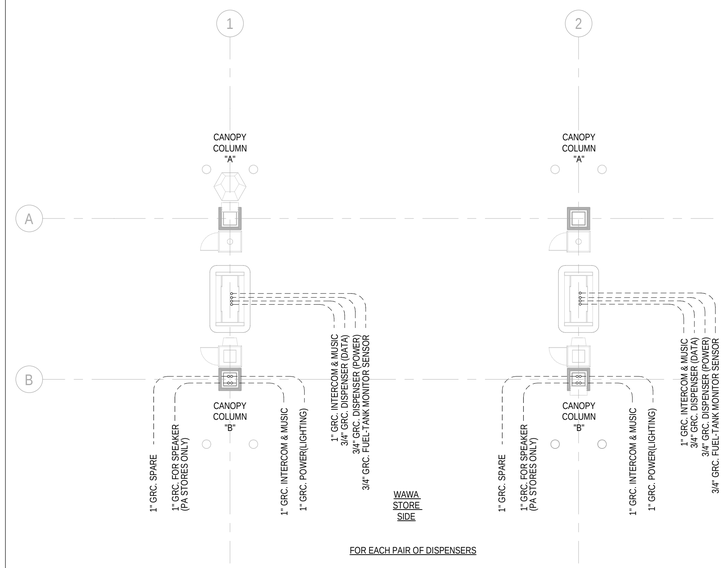
ALL LIGHT FIXTURES AND LAMPS SUPPLIED BY WAWA, INSTALLED BY G.C.
COORDINATE FIXTURE COUNT, LOCATIONS AND LAMP OUTPUT WITH SITE LIGHTING ENGINEERING DRAWINGS



2 CE1.0 CANOPY SIDE ELEVATION
1/4" = 1'-0"



5 CE1.0 COLUMN SECTION
3/8" = 1'-0"



FOR EACH PAIR OF DISPENSERS

3
CA1.0

6 CE1.0 CANOPY FLOOR PLAN
3/16" = 1'-0"

GASOLINE CONDUIT REQUIREMENTS:

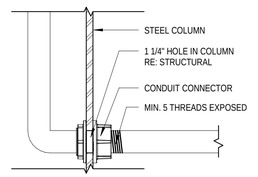
(1) 1" GRC TO CANOPY COLUMN FOR INTERCOM/MUSIC

(1) 1" GRC TO CANOPY COLUMN FOR LIGHTING.

(3)1" GRC TO EACH DISPENSER.
(1 POWER, 1 DATA, 1 MUSIC)
(1) 3/4" GRC TO EACH DISPENSER.
(FUEL TANK MONITOR SENSOR)

(2) 1" GRC TO EACH TANK CONTAINMENT UNIT.
F.E. PETRO POWER (1 POWER, 1 SPARE)

(1) 3/4" GRC TO EACH TANK CONTAINMENT UNIT.
(FUEL TANK MONITOR MAGNOSTRICTIVE PROBE)
(1) 3/4" GRC TO EACH TANK CONTAINMENT UNIT.
(FUEL TANK MONITOR SENSOR)
(1) 3/4" GRC TO EACH TANK CONTAINMENT UNIT.
(FUEL TANK MONITOR MULTI-PORT FILL SUMP)
(1) 3/4" GRC TO EACH TANK CONTAINMENT UNIT.
(FUEL TANK MONITOR BRINE INTERSTITIAL RESERVOIR)
(1) 1" GRC TO OVERFILL ALARM.
(ON VENT STACK)
(1) 1" GRC TO VENT STACK (SPARE)
(1) 1" GRC TO CANOPY COLUMN FOR SPEAKER
(PA STORE ONLY)
(1) 1" GRC TO CANOPY COLUMN FOR SPARE



4 CE1.0 THREADED CONNECTION
3" = 1'-0"

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300 BROADACRES DRIVE, SUITE 250
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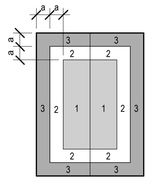
SHEET TITLE
ELECTRICAL CANOPY PLANS, DETAILS, SCHEDULES

RELEASE	DATE
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REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60598812.8216
DRAWN	MLB
CHECKED	JS

8216
UPPER SOUTHAMPTON, PA

CE1.0



GABLE 9.5 DEG.

a = 3' - 0" MIN.

(114 MPH) ULTIMATE WIND DESIGN PRESSURES FOR COMPONENTS & CLADDING (ASCE 7-16)						
EFFECTIVE AREA (SQ FT)	ZONE 1		ZONE 2		ZONE 3	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
<9	24 PSF	-25 PSF	36 PSF	-38 PSF	47 PSF	-69 PSF
>9, ≤63	24 PSF	-25 PSF	36 PSF	-38 PSF	36 PSF	-38 PSF
>36	24 PSF	-25 PSF	24 PSF	-25 PSF	24 PSF	-25 PSF

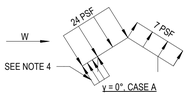
NOTES:
1. 'a' DENOTES EDGE STRIP = 3'-0"
2. POSITIVE & NEGATIVE SIGNS SIGNIFY PRESSURES ACTING TOWARDS AND AWAY FROM THE BUILDING SURFACES, RESPECTIVELY .
3. WIND PRESSURES INDICATED ABOVE ARE ULTIMATE DESIGN WIND PRESSURES.

COMPONENTS & CLADDING PRESSURES

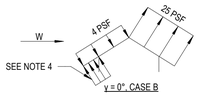
OPEN STRUCTURE WITH PITCHED ROOF WIND LOAD

A. PITCHED OPEN ROOF

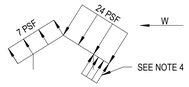
1. MWFRS, TRANSVERSE WIND (NORMAL TO THE RIDGE)



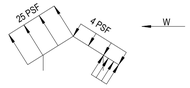
v = 0°, CASE A



v = 0°, CASE B

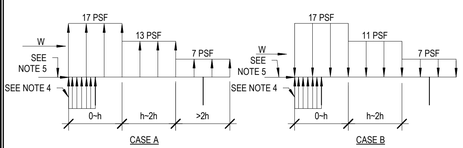


v = 180°, CASE A



v = 180°, CASE B

2. MWFRS, LONGITUDINAL WIND (PARALLEL TO THE RIDGE)



CASE A CASE B

WIND PRESSURES & VELOCITIES GIVEN HEREIN ARE ULTIMATE (V ult)

3. ROOF WL PRESSURE (MWFRS & C&C) ARE THE COMBINED EFFECT OF WIND IN BOTH SURFACES (TOP & BOTTOM).

4. APPLY POSITIVE WIND PRESSURE OF 17 PSF ON THE BOTTOM SURFACE OF WINDWARD ROOF OVERHANG.

5. APPLY POSITIVE WIND LINE LOAD OF 150 PLF ON TOP CHORD OF THE FIRST TRUSS ON WINDWARD DIRECTION, IN COMBINATION WITH ROOF OVERHANG PRESSURE LISTED ON NOTE 4.

B. 2D TRUSSES, 48 PSF ON SOLID AREA, EACH TRUSS SIMULTANEOUSLY.

C. SOLID ATTACHED SIGNS, 48 PSF (ASCE 29.3.2).

D. COLUMNS, SQUARE, 48 PSF ALL COLUMNS SIMULTANEOUSLY IN THE WIND DIRECTION BEING CONSIDERED.

STRUCTURAL SPECIAL INSPECTION

A. THE CONTRACTOR OR OWNER SHALL EMPLOY A QUALIFIED INDEPENDENT INSPECTION AGENCY. THIS AGENCY (REFERRED TO AS INSPECTOR HEREIN) SHALL BE RESPONSIBLE FOR VERIFYING THAT PROJECT STRUCTURAL WORK IS ACCOMPLISHED IN CONFORMANCE WITH THE CONTRACT DOCUMENTS AND BUILDING CODE REQUIREMENTS.

B. DURATION AND FREQUENCY OF JOB VISITS SHALL BE SUFFICIENT FOR THE INSPECTOR TO STATE AT THE COMPLETION OF THE PROJECT THAT THE STRUCTURAL WORK IS ACCOMPLISHED, AND ITS RELATED ELEMENTS HAVE BEEN ERECTED IN ACCORDANCE WITH THE CONTACT DOCUMENTS. SPECIFIC SYSTEMS TO BE INSPECTED INCLUDE:
1. FOUNDATION REINFORCING & CONCRETE
2. STRUCTURAL STEEL
3. PRE-ENGINEERED METAL PANEL DECKING
4. PRE-ENGINEERED LAM. PANEL DECKING

C. THE FOREGOING LIST IS NOT INTENDED TO BE ALL INCLUSIVE. THE INSPECTOR SHALL USE HIS PROFESSIONAL JUDGEMENT AND HIS KNOWLEDGE OF THE JOB SITE CONDITIONS AND THE OFFICIAL CONTRACT DOCUMENTS. THE INSPECTOR WILL NOT REPLACE THE QUALITY CONTROL PERSONNEL OF THE CONTRACTOR.

D. THE INSPECTOR DOES NOT RELIEVE THE CONTRACTORS CONTRACTUAL OR STATUTORY OBLIGATIONS. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS. THE INSPECTOR WILL NOT REPLACE THE QUALITY CONTROL PERSONNEL OF THE CONTRACTOR.

E. ALL INSPECTION REPORTS SHALL BE FORWARD BY THE INSPECTOR TO THE ENGINEER AND ARCHITECT OF RECORD AND THE AUTHORITIES HAVING JURISDICTION.

GENERAL

A. THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.

B. NOT ALL EXISTING CONDITIONS, PROPOSED CONDITIONS, OR UTILITIES ARE SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE STRUCTURAL WORK WITH THE WORK OF OTHER TRADES. IN CASE OF CONFLICT, NOTIFY THE ENGINEER OF RECORD.

C. THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETE STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND STRUCTURE DURING ERECTION AND UNTIL ALL PERMANENT CONNECTIONS ARE MADE. TEMPORARY BRACING FOR THE STRUCTURE MUST BE PROVIDED IN ALL DIRECTIONS.

D. ONLY USE DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE DRAWINGS.

E. ELEVATIONS INDICATED ON THE STRUCTURAL DRAWINGS ARE BASED ON A PROJECT DATUM INDICATED ON THE ARCHITECTURAL DRAWINGS.

F. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ARCHITECT / ENGINEER OF DISCREPANCIES BETWEEN THE ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH WORK.

G. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE COMPLETE DESIGN OF THE STRUCTURE. THEY DO NOT INDICATE THE MEANS AND METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKERS, OR THEIR PERSONS DURING CONSTRUCTION.

H. OBSERVATION VISITS TO THE SITE BY ENGINEER OF RECORD OR REPRESENTATIVES OF THE ENGINEER OF RECORD MAY BE MADE DURING CONSTRUCTION. ANY SUPPORT SERVICES PERFORMED HEREIN SHALL BE DISTINGUISHED FROM INSPECTION AND / OR TESTING SERVICES PERFORMED BY OTHERS, AND ARE NOT TO BE CONSTRUED AS SUPERVISION AND / OR MANAGEMENT OF CONSTRUCTION.

I. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING OF ALL STRUCTURAL MEMBERS AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS WITHIN THE STRUCTURE.

J. CONSTRUCTION MATERIALS SHALL NOT BE STACKED ON FLOORS OR ROOFS IN EXCESS OF THE DESIGN LIVE LOADS WHICH ARE INDICATED IN THE GENERAL NOTES. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE SUBCONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT. IMPACT SHALL BE AVOIDED WHEN PLACING MATERIALS ON FLOORS OR ROOFS.

K. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO THE DETAILS RESENTED, SIMILAR DETAILS SHALL BE USED SUBJECT TO THE REVIEW OF ENGINEER OF RECORD.

L. SUBMIT WRITTEN REQUEST TO THE ARCHITECT FOR APPROVAL OF ANY PROPOSED CHANGE TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. SPLICING, CUTTING, NOTCHING OR OTHER ALTERATIONS TO STRUCTURAL MEMBERS ARE NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION OF THE ENGINEER. ANY UNAUTHORIZED DEVIATION FROM THE CONTRACT DOCUMENTS, AND CORRECTION THEREOF, IS THE RESPONSIBILITY OF THE CONTRACTOR. SUBSEQUENT DOCUMENTATION REQUESTS TO BUILDING ENGINEER OF RECORD FROM GENERAL CONTRACTOR SHALL INCLUDE EVALUATION OF DEVIATIONS BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF VIRGINIA.

DESIGN CRITERIA

A. PENNSYLVANIA BUILDING CODE BASED ON 2018 INTERNATIONAL BUILDING CODE

B. ASCE 7-16, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES

C. ACI 318-14, STRUCTURAL CONCRETE BUILDING CODE

D. AISC MANUAL OF STEEL CONSTRUCTION, 15TH EDITION

E. AISI 2016 COLD FORMED STEEL DESIGN MANUAL

F. NDS-18, NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION

G. SERVICEABILITY AND DEFLECTION CRITERIA PER GOVERNING COMPONENT DESIGN STANDARD

DESIGN LOADING

A. ROOF LIVE LOADS 20 PSF

B. SNOW LOAD
1. GROUND SNOW LOAD 25 PSF
2. SNOW LOAD ON SLOPED ROOF 21 PSF (Ct = 1.2, Ce = 1.0, Cs = 1.0)

C. DEAD LOADS (D)
1. ROOF: 16 PSF, INCLUDING STRUCTURE
2. SIGN: 20 PSF, INCLUDING STRUCTURE

D. UPLIFT LOAD COMBINATIONS (D)
1. ROOF: 10 PSF, INCLUDING STRUCTURE
2. SIGN: 10 PSF, INCLUDING STRUCTURE
3. COLUMNS & TRUSSES: STEEL SELF WEIGHT (490 PCF)

E. WIND LOADING
1. WIND DESIGN CODE: (ASCE 7-16)
2. ULTIMATE DESIGN WIND SPEED, VULT: 114 MPH
3. NOMINAL DESIGN WIND SPEED, VNOM: 89 MPH
4. MIN SITE SPECIFIC WIND SPEED, VULT: 114 MPH
5. RISK CATEGORY: II
6. WIND EXPOSURE: C
7. ENCLOSURE CLASSIFICATION: OPEN
8. INTERNAL PRESSURE COEFF: +/- +/- 0.0

02001 EARTHWORK / FOUNDATIONS

A. FOUNDATION DESIGN IS BASED UPON THE FOLLOWING SOILS REPORT:
COMPANY NAME: GILMORE AND ASSOCIATES, INC.
DATE: 03/01/2024
PROJECT NO: 22-01199.07
THE DESIGN ALLOWABLE SOIL BEARING PRESSURE : 3000 PSF

B. ALL EXTERIOR FOOTINGS SHALL EXTEND BELOW THE MAXIMUM ANTICIPATEDS DEPTH OF FROST (-3'-0"), TYP, UNO.

C. SEE SECTION 02001-04 IN THE PROJECT MANUAL AND SPECIFICATIONS FOR EARTHWORKS TO INCLUDE BUT NOT LIMITED TO:

1. PREPARING AND GRADING SUBGRADES FOR SLABS-ON-GRADE
2. EXCAVATING AND BACKFILLING FOR BUILDINGS AND STRUCTURES
3. DRAINAGE AND MOISTURE - CONTROL FILL COARSE FOR SLABS-ON-GRADE
4. EXCAVATING AND BACKFILLING TRENCHES WITHIN BUILDING LINES
5. MATERIAL, INSPECTION, AND TESTING REQUIREMENTS

D. ANY FILL REQUIRED TO BACKFILL EXCAVATED AREA OR ACHIEVE FINISHED GRADE IN STRUCTURAL AREAS SHALL BE AS INDICATED BY GEOTECHNICAL ENGINEER. THE FILL SHALL BE PLACED IN LEVEL LIFTS NOT EXCEED 6" LOOSE THICKNESS WHEN LIGHT DUTY COMPACTORS ARE USED AND 10" WHEN HEAVY DUTY ROLLERS ARE USED AND COMPACTED TO A MINIMUM OF 95% OF THE SOIL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM SPECIFICATION D-1557.

E. IN-PLACE DENSITY TESTS SHALL BE PERFORMED BY AN EXPERIENCED ENGINEERING TECHNICIAN. TESTS SHALL BE PERFORMED FOR EACH 2,000 SQUARE FEET, IN EVERY COLUMN FOOTING LOCATION AND EACH 50'-0" ALONG WALL FOOTINGS. COPIES OF THE TEST REPORTS SHALL BE FURNISHED TO THE STRUCTURAL ENGINEER.

F. REMOVE FREE WATER FROM EXCAVATIONS BEFORE PLACING CONCRETE. WATER TABLE ASSUMED BELOW 6'-0" PRECLUDING BUOYANCY CONDITIONS ON FOOTINGS.

G. CAUTION SHOULD BE USED WHEN OPERATING VIBRATORY COMPACTING EQUIPMENT NEAR THE EXISTING STRUCTURE TO AVOID THE RISK OF DAMAGE TO THE STRUCTURE.

H. REFER TO ARCHITECTURE DRAWINGS FOR ANY NECESSARY WATERPROOFING REQUIREMENTS.

03301 CAST-IN-PLACE CONCRETE

A. SEE SECTION 03301 IN THE PROJECT MANUAL AND SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO:
1. GENERAL REQUIREMENTS
   a. SUBMITTALS
   b. QUALITY ASSURANCE / CODE REQUIREMENTS
2. PRODUCT / MATERIAL REQUIREMENTS
3. EXECUTION OF WORK REQUIREMENTS
   a. SHORING
   b. VAPOR RETARDER
   c. JOINTS
   d. PLACEMENT / FINISHING
   e. CURING
4. QUALITY CONTROL – TESTING REQUIREMENTS

B. SUMMARY OF PROJECT MANUAL AND SPECIFICATIONS SECTION 03301-02 PRODUCTS:
1. CONCRETE STRENGTH: 4,000 PSI
2. STEEL REINFORCEMENT: 60 KSI, (ASTM A615)
3. PLAIN-STEEL WIRE FABRIC: ASTM A185, FLAT SHEETS

C. LAP SPLICE REINFORCEMENT LENGTH

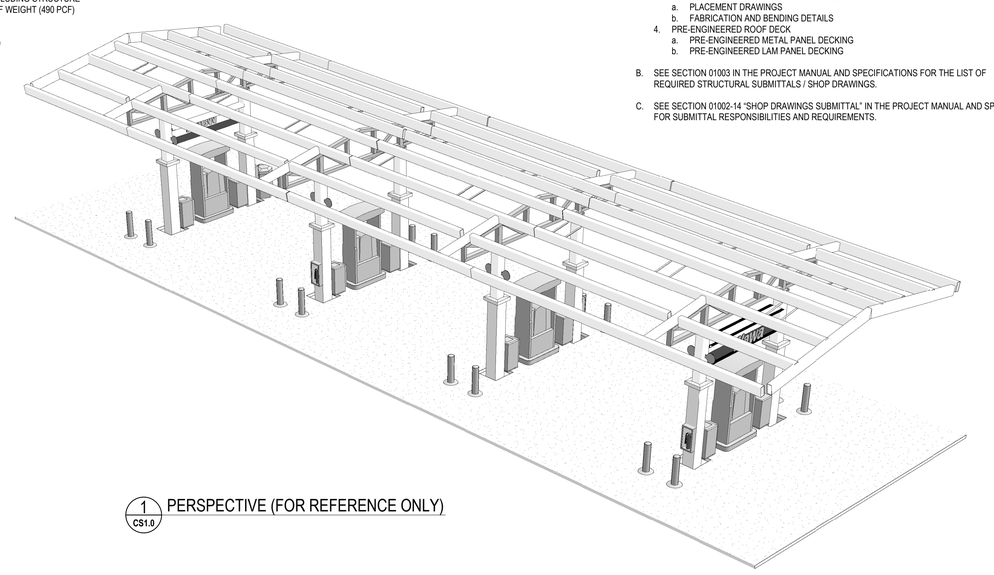
LAP SPLICES (INCHES)

REINF SIZE	4000 PSI CONCRETE STREGTH
#3	16
#4	20
#5	24
#6	30
#7	48
#8	60

REF: CRSI, CLASS B, FY=60 KSI, UNCOATED BARS, NORMAL WEIGHT CONC.

D. CONCRETE COVER FOR REINFORCEMENT:
1. CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE GROUND: 3"
2. EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND: 2"
3. NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND: 1 1/2"

E. THERE SHALL BE NO HORIZONTAL JOINTS IN ANY CONCRETE POURS UNLESS SHOWN ON THE STRUCTURAL DRAWINGS. THE ENGINEER OF RECORD SHALL APPROVE ALL DEVIATIONS OR ADDITIONAL JOINTS IN WRITING.



1 CS1.0 PERSPECTIVE (FOR REFERENCE ONLY)

05120 STRUCTURAL STEEL

A. SEE SECTION 05120 IN THE PROJECT MANUAL AND SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO:
1. GENERAL REQUIREMENTS
   a. FABRICATOR REQUIREMENTS
   b. SUBMITTALS
   c. CODE REQUIREMENTS
2. PRODUCT / MATERIAL REQUIREMENTS
3. PAINTING REQUIREMENTS
4. EXECUTION OF WORK REQUIREMENTS
   a. FABRICATION
   b. ERECTION
5. QUALITY ASSURANCE REQUIREMENTS (INSPECTIONS & TESTING)

B. SUMMARY OF PROJECT MANUAL AND SPECIFICATIONS 05120 PRODUCTS:
1. MATERIALS:
   a. W SHAPES: ASTM A992 (50 KSI)
   b. TUBE SHAPES: ASTM A500 GR C (50 KSI)
   c. PIPE SHAPES: ASTM A53, GR C
   d. CHANNELS AND ANGLES: ASTM A36 (36 KSI)
   e. PLATES: ASTM A36 (36 KSI)
   f. BOLTS: ASTM A 325
   g. ANCHOR BOLTS / RODS: ASTM F 1554, GRADE 55 (S1)
   h. ANCHOR BOLT NUT: HEAVY HEX HEAD ASTM A563
   i. ANCHOR BOLT WASHERS: ASTM F436
   j. ELECTRODES FOR WELDING: AWS CODE E70XX

C. TEMPLATES SHALL BE PROVIDED FOR ALL ANCHOR BOLTS / RODS CAST IN CONCRETE.

D. GALVANIZE STEEL MEMBERS INDICATED ON PLANS:
1. GALVANIZE STEEL MEMBERS, FABRICATIONS AND ASSEMBLIES AFTER FABRICATION BY THE HOT-DIP PROCESS IN ACCORDANCE WITH ASTM A123.
2. COATING REQUIREMENTS:
   a. CONFORM TO PARAGRAPH 6.1 OF ASTM A123, TABLE 1 OF ASTM A153, OR TABLE 2 OF ASTM A767 AS APPROPRIATE.
   b. SURFACE FINISH: CONTINUOUS, ADHERENT, AS SMOOTH AND EVENLY DISTRIBUTED AS POSSIBLE AND FREE FROM ANY DEFECT DETRIMENTAL TO THE END USE OF THE COATED ARTICLE.
   c. ADHESION: WITHSTAND NORMAL HANDLING CONSISTENT WITH THE NATURE AND THICKNESS OF THE COATING AND NORMAL USE OF THE ARTICLE.
3. REPAIR OF DAMAGED COATING: REPAIR DAMAGED AREAS BY WELDING, FLAME CUTTING OR DURING HANDLING, TRANSPORT OR ERECTION BY ONE OF THE APPROVED METHODS IN ACCORDANCE WITH ASTM A780 WHENEVER DAMAGE EXCEEDS 3/16" IN WIDTH. MINIMUM THICKNESS REQUIREMENTS FOR THE REPAIR ARE THOSE DESCRIBED IN ASTM A123 SECTION 6.2, CURRENT EDITION.

E. CONNECTIONS, UNLESS OTHERWISE NOTED:
1. TIGHTEN BOLTS BY THE "SNUG-TIGHT" METHOD
2. FIELD CONNECTIONS SHALL BE MADE WITH 3/4" DIA MINIMUM, HIGH-STRENGTH BEARING TYPE BOLTS (A325N) WITH THREADS ASSUMED TO BE INCLUDED IN SHEAR PLANES

F. GROUT UNDER BEARING PLATES SHALL BE NON-METALLIC, NON-SHRINK TYPE WITH A COMPRESSIVE STRENGTH OF AT LEAST 6000 PSI WHEN BEARING ON 3000 PSI CONCRETE AND 8000 PSI WHEN BEARING ON 4000 PSI CONCRETE.

G. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED OR OTHERWISE PROTECTED.

H. ALL STEEL EXPOSED TO SOIL SHALL BE ENCASED IN CONCRETE OR COATED PER ASPHALTIC BASED CORROSION NOTE.

09960 COATINGS FOR STEEL

A. SEE SPECIFICATIONS FOR GENERAL REQUIREMENTS, PRODUCTS, AND EXECUTION OF WORK.

B. ASPHALTIC BASED CORROSION RESISTANCE COATING SHALL BE MADE WITH AN ASPHALT BASE EMULSION COATING SYSTEM PER ASTM D1187.

C. APPLY A MINIMUM 1/16" THICK COATING IN TWO APPLICATIONS.

D. COATING TO BE APPLIED ON ALL SIDES OF MEMBERS – TO INCLUDE STEEL TO BE ADJACENT TO CAST-IN-PLACE CONCRETE.

E. COAT STRUCTURAL ANCHOR BOLTS, WELDS, AND ALL COMPONENTS IN THE AFFECTED AND DEFINED AREA.

F. ALL STEEL AND STEEL COMPONENTS (I.E., BASE PLATES AND ANCHOR BOLTS) EXPOSED TOP SOIL SHALL BE COATED FROM THE FOUNDATION (LOWEST LEVEL) UP TO 6" ABOVE THE SLAB OR FINAL GRADE – WHICHEVER IS GREATER.

01003 SUBMITTALS

A. SHOP DRAWINGS / DATA TO BE SUBMITTED FOR APPROVAL.
1. STRUCTURAL STEEL SHOP DRAWINGS (INCLUDING STEEL JOISTS AND GIRDERS)
   a. ERECTION DRAWINGS
   b. PIECE DRAWINGS
   c. PREP PROCEDURE AND PRIMING MATERIAL
   d. CURRENT WELDERS CERTIFICATIONS
2. CONCRETE
   a. MIX DESIGN
   b. MATERIAL CERTIFICATES
   c. HISTORICAL TESTING BACKGROUND
3. CONCRETE REINFORCING SHOP DRAWINGS
   a. PLACEMENT DRAWINGS
   b. FABRICATION AND BENDING DETAILS
4. PRE-ENGINEERED ROOF DECK
   a. PRE-ENGINEERED METAL PANEL DECKING
   b. PRE-ENGINEERED LAM PANEL DECKING

B. SEE SECTION 01003 IN THE PROJECT MANUAL AND SPECIFICATIONS FOR THE LIST OF REQUIRED STRUCTURAL SUBMITTALS / SHOP DRAWINGS.

C. SEE SECTION 01002-14 "SHOP DRAWINGS SUBMITTAL" IN THE PROJECT MANUAL AND SPECIFICATIONS FOR SUBMITTAL RESPONSIBILITIES AND REQUIREMENTS.

D. SHOP DRAWING REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT. CORRECTIONS OR COMMENTS MADE ON THIS REVIEW DO NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS AND OMISSIONS, AND FROM COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. CORRECTIONS OR COMMENTS DO NOT AUTHORIZE AN INCREASE IN THE CONSTRUCTION BUDGET.

E. APPROVAL OF SHOP DRAWINGS DOES NOT INDICATE ACCEPTANCE OF DEVIATIONS FROM CONTRACT DOCUMENTS OR PREVIOUS SHOP DRAWING REVIEW, UNLESS SPECIFICALLY NOTED THEREIN BY ENGINEER OF RECORD.

F. ANY CHANGES TO THE DESIGN CONCEPT SHOWN IN CONTRACT DOCUMENTS SHALL BE SUBMITTED IN WRITING AND APPROVED BY THE ARCHITECT AND ENGINEER PRIOR TO SUBMITTING SHOP DRAWINGS. ALL SUCH CHANGES SHALL BE "BUBBLED" ON THE SHOP DRAWINGS AND REFERENCED TO THE PROPER RFI.

G. SUBMITTALS SHALL CONFORM TO THE REQUIREMENTS OF THE CONTRACT DRAWINGS (SEE ITEM F ABOVE FOR EXCEPTION). NON-CONFORMING OR NON-REVIEWED SUBMITTALS WILL BE RETURNED WITHOUT REVIEW.

1. SHOP DRAWINGS SHALL BE "APPROVED", SIGNED AND DATED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL TO ENGINEER AND ARCHITECT OF RECORD.
2. SHOP DRAWINGS SHALL NOT CONTAIN REPRODUCTIONS OF THE CONTRACT DRAWINGS.

H. PROVIDE COPIES OF MANUFACTURERS LITERATURE FOR ALL MATERIALS AND PRODUCTS USED IN CONSTRUCTION ON THE PROJECT.

LIST OF STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLTS	MATL	MATERIAL
ADDL	ADDITIONAL	MAX	MAXIMUM
ALT	ALTERNATE	MB	MASONRY BEAM
ANCH	ANCHOR	MC	MOMENT CONNECTION
APPROX	APPROXIMATE	MC	MASONRY COLUMN
ARCH	ARCHITECT/ARCHITECTURAL	MCJ	MASONRY CONTROL JOINT
BB	BOND BEAM	MECH	MECHANICAL
BLDG	BUILDING	MEZZ	MEZZANINE
BM	BEAM	MFR	MANUFACTURE / MANUFACTURERS
BO	BOTTOM OF	MIN	MINIMUM
BOT/BTM	BOTTOM	MISC	MISCELLANEOUS
BP	BASE PLATE/BEARING PLATE	MTL	METAL
BRG	BEARING	NIC	NOT IN CONTRACT
BTW	BETWEEN	NOM	NOMINAL
CANT	CANTILEVER	NTS	NOT TO SCALE
CB	CONCRETE BEAM	OC	ON CENTER
CC	CONCRETE COLUMN	OPNG	OPENING
CIP	CAST IN PLACE	OPP	OPPOSITE
CJ	CONSTRUCTION JOINT	PB	PARAPET BEAM (MASONRY)
CL	CENTERLINE	PCC	PRECAST CONCRETE
CLR	CLEAR/CLEARANCE	PL	PLATE
COL	COLUMN	PLF	POUNDS PER LINEAR FOOT
CONC	CONCRETE	PLY	PLYWOOD
CONNX	CONNECTION	PRE-ENG	PRE-ENGINEERED
CONSTR	CONSTRUCTION	PEMB	PRE-ENGINEERED METAL BUILDING
CONT	CONTINUOUS	PRE-FAB	PRE-FABRICATED
CORR	CORRUGATED	PRELIM	PRELIMINARY
CMU	CONCRETE MASONRY UNIT	PROJ	PROJECTION
DET	DETAIL	PSF	POUNDS PER SQUARE FOOT
DIA/DIAM	DIAMETER	PSI	POUNDS PER SQUARE INCH
DIM	DIMENSION	PT	PRESSURE TREATED
DIST	DISTANCE	PT	POST TENSION(ING) (ED)
DN	DOWN	PW	PANEL WIDTH
DR	DRAIN	RAD	RADIUS
DWG	DRAWING	RB	ROOF BEAM (MASONRY)
DWL	DOWEL	RCP	REINFORCED CONCRETE PIPE
EA	EACH	RD	ROOF DRAIN
EE	EACH END	REF	REFERENCE
EF	EACH FACE	REINF	REINFORCING
EJ	EXPANSION JOINT	REQ'D	REQUIRED
EL/ELEV	ELEVATION	REV	REVISION
ELECT	ELECTRICAL	RFI	REQUEST FOR INFORMATION
EMB	EMBEDMENT	RTU	ROOF TOP UNIT
ENGR	ENGINEER	RW	RETAINING WALL
EOR	ENGINEER OF RECORD	SECT	SECTION
EQ	EQUAL	SCH/SCHED	SCHEDULE
EQUIP	EQUIPMENT	SIM	SIMILAR
EQUIV	EQUILAVENT	SP/SPC	SPACE(S)
ES	EACH SIDE	SPECS	SPECIFICATIONS
EXIST	EXISTING	SQ	SQUARE
EXP	EXPANSION	SS	STAINLESS STEEL
EXT	EXTERIOR	STD	STANDARD
EW	EACH WAY	ST/STL	STEEL
FAB	FABRICATE	STRUC	STRUCTURAL
FBC	FLORIDA BUILDING CODE	SYM	SYMMETRICAL
FD	FLOOR DRAIN	T & B	TOP AND BOTTOM
FDN	FOUNDATION	T & G	TONGUE AND GROOVE
FF	FINISHED FLOOR	TE	THICKENED EDGE
FIN	FINISH(ED)	THK	THICK
FL/FLR	FLOOR	THRD	THREAD(ED)
FTG	FOOTING	TB	TIE BEAM
GA	GAGE/GAUGE	TOC	TOP OF CONCRETE
GALV/GV	GALVANIZED	TOM	TOP OF MASONRY
GC	GENERAL CONTRACTOR	TOS	TOP OF STEEL
HAS	HEADED ANCHOR STUD	TRIB	TRIBUTARY
HB	HIGH BEAM (MASONRY)	TYP	TYPICAL
HORIZ	HORIZONTAL	TS	TUBE STEEL
HSB	HIGH STRENGTH BOLTS	UNO	UNLESS NOTED OTHERWISE
HSS	HOLLOW STEEL SECTION	UON	UNLESS OTHERWISE NOTED
HT	HEIGHT	VERT	VERTICAL
INT	INTERIOR	VIF	VERIFY IN FIELD
JST	JOIST	W	WIDE FLANGED
JT	JOINT	WB	WALL BEAM (TILT)
K	KIPS	WC	WALL COLUMN (TILT)
KO	KNOCK OUT	W/	WITH
KSF	KIPS PER SQUARE FOOT	W/O	WITHOUT
KSI	KIPS PER SQUARE INCH	WD	WOOD
L	ANGLE	WGT	WEIGHT
LB	LOW BEAM (MASONRY)	WH	WEEPHOLE
LBS	POUNDS	WP	WORKING POINT
LD	DEVELOPMENT LENGTH	WT	STEEL TEE SECTION
LDH	LONG DIMENSION HORIZONTAL	WWF	WELDED WIRE FABRIC
LDV	LONG DIMENSION VERTICAL	@	AT
LGTH	LENGTH	&	AND
LLBB	LONG LEG BACK TO BACK		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		

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CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
DESIGN CRITERIA AND NOTES

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

PROTOTYPE U45FB M v2025.Q1
PROJECT NO. 6069812.8216
DRAWN SK
CHECKED MY

8216
UPPER SOUTHAMPTON, PA

Wawa

CS1.0

GENERAL NOTES

A

1. FOOTINGS HEREIN ARE RELATIVE TO ELEVATION OF 0'-0". THE TOP OF ALL FOOTINGS SHALL BE THUS -4'-6", TYP UON.
2. TOP OF PIER ELEVATION SHALL BE -2'-0" TYP.
3. ENCASE ALL BASE PLATES W/ 3000 PSI CONC OR GROUT, MIN 3" THICK ALL AROUND AND ON TOP OF W/ 3" CLR TO TOP OF BOLTS.

STRUCTURAL - FOUNDATION SCHEDULE

MARK	LENGTH	WIDTH	FOUNDATION THICKNESS	TOP REINF.	BOTTOM REINF.
F8.0	8' - 0"	8' - 0"	2' - 0"	(8) #8 E.W. W/ACI STANDARD HOOKS AT EACH END	(8) #8 E.W. W/ACI STANDARD HOOKS AT EACH END

STRUCTURAL - CONCRETE PIER SCHEDULE

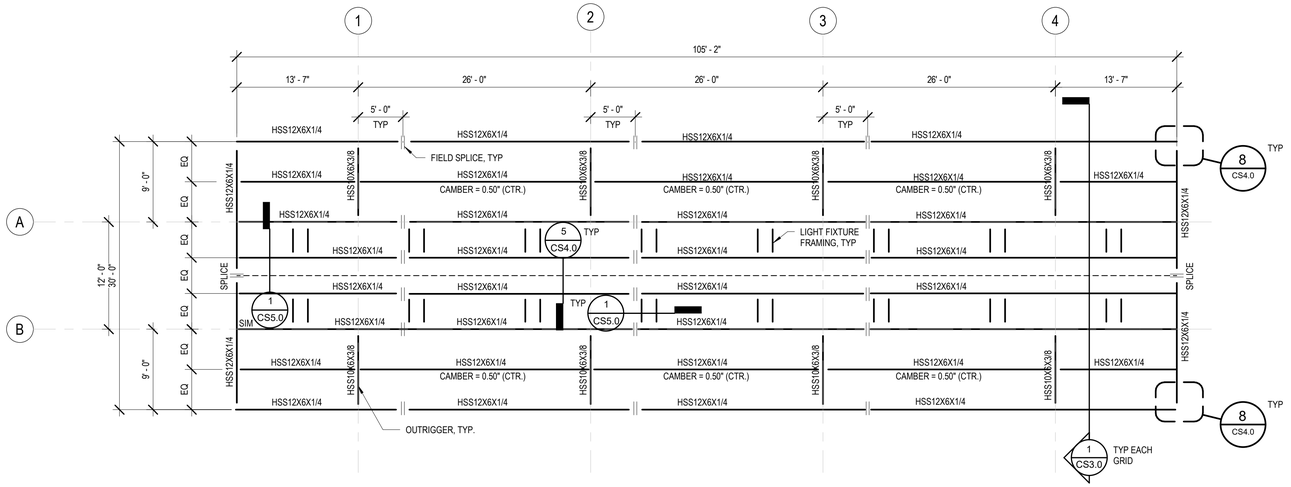
MARK	SIZE	VERT. REINF.	TIES	NOTES
P1	32" x 32"	(16) #6	#4 TIES	SEE DETAIL / SCHED FOR BP INFO

STRUCTURAL - STEEL COLUMN SCHEDULE

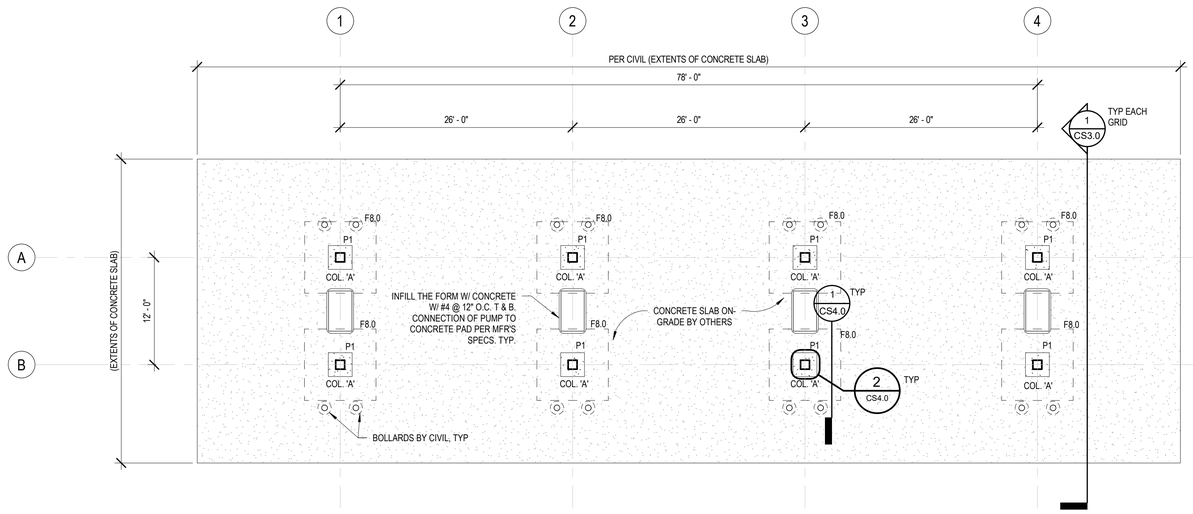
MARK	TYPE	COLUMN BASE PLATE	NOTES
COL. 'A'	HSS12X12X3/8	A	SEE DETAIL / SCHED FOR BP INFO

STRUCTURAL - COLUMN BASE PLATE SCHEDULE

MARK	LENGTH	WIDTH	PL. THICKNESS	MATERIAL	ANCHOR BOLTS
A	1'-8"	1'-8"	1 3/8"	A572 GR. 50 STL.	(4) 1 1/4" THREADED HEADED RODS W/18" EMBED (ASTM F1554 GR 55 (S1))



2 CS2.0 FRAMING PLAN
1/8" = 1'-0"



1 CS2.0 FOUNDATION PLAN
1/8" = 1'-0"

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SHEET TITLE
FOUNDATION & FRAMING PLAN

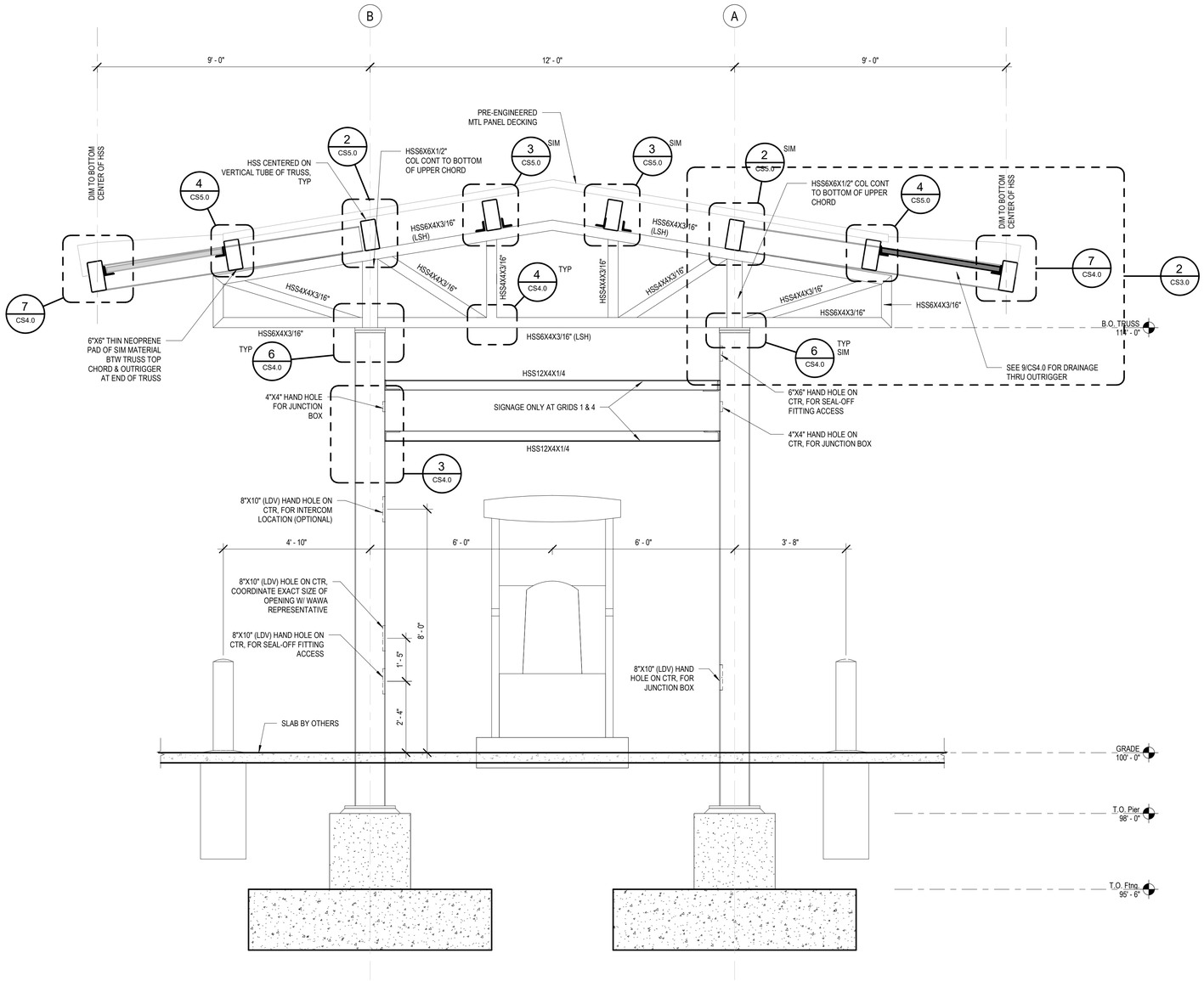
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PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60699612.8216
DRAWN	SK
CHECKED	MY

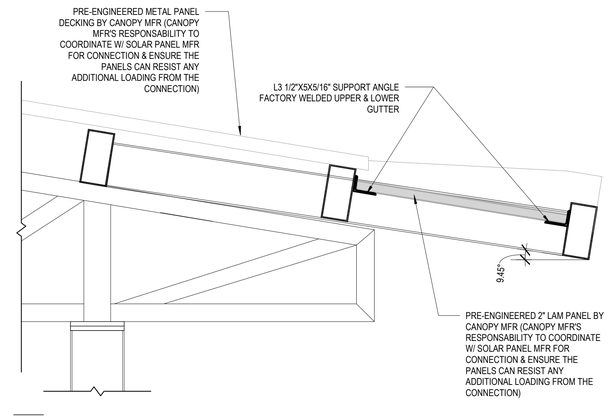
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CS2.0



1 CS3.0 SECTION
1/2" = 1'-0"



2 CS3.0 ENLARGED VIEW
3/4" = 1'-0"

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25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

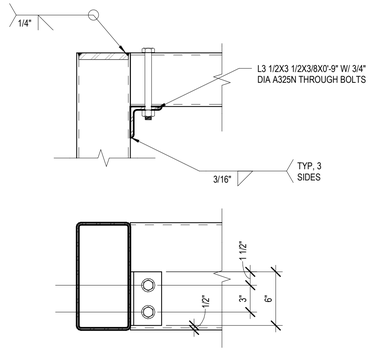
SHEET TITLE
SECTIONS

RELEASE	DATE
ISSUED FOR PERMIT	03/15/2024
REV A - ISSUED FOR BID	09/20/2024
REV B - ISSUED FOR CONSTRUCTION	12/20/2024
REV C - REVISED IFC SET	04/18/2025

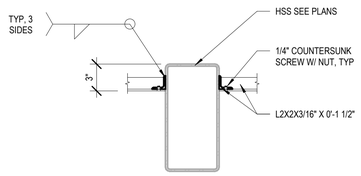
PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60696812.8216
DRAWN	SK
CHECKED	MY

8216
UPPER SOUTHAMPTON, PA
Wawa

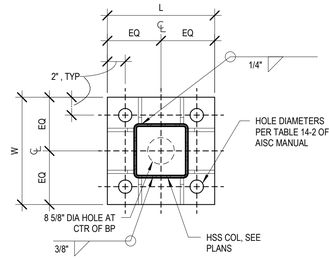
CS3.0



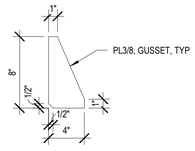
8 CS4.0 LOW ALT HSS TO HSS CORNER CONNECTION
1 1/2" = 1'-0"



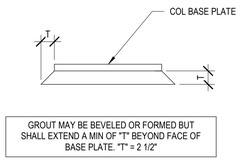
5 CS4.0 MISC FRAMING AS REQ'D
1 1/2" = 1'-0"



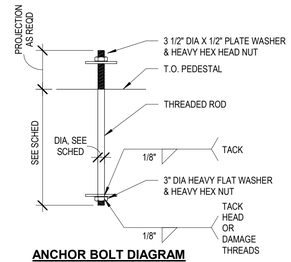
(4) BOLT BASE PLATE



(8) GUSSET PLATE



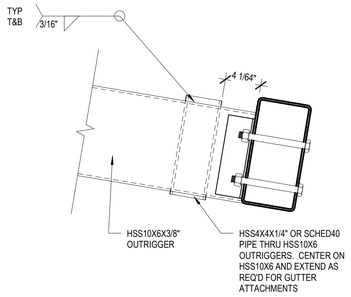
GROUT PLACEMENT



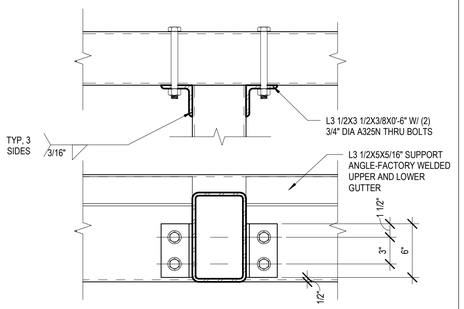
ANCHOR BOLT DIAGRAM

BASE PLATES
NOTES: 1. SEE SCHEDULE FOR WIDTH, LENGTH AND THICKNESS

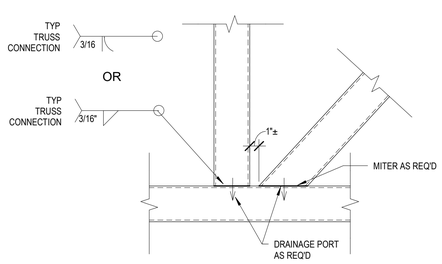
2 CS4.0 GEN BASE PLATE AND ANCHOR BOLT INFO
1 1/2" = 1'-0"



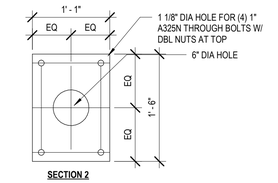
9 CS4.0 LOW REAR OUTRIGGER TO TRUSS CONNECTION
1 1/2" = 1'-0"



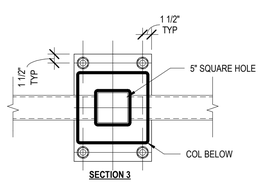
7 CS4.0 LOW HSS TO HSS CONNECTION
1 1/2" = 1'-0"



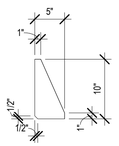
4 CS4.0 TRUSS CONNECTION WELDS, TYP
1 1/2" = 1'-0"



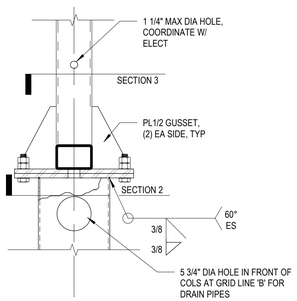
SECTION 2

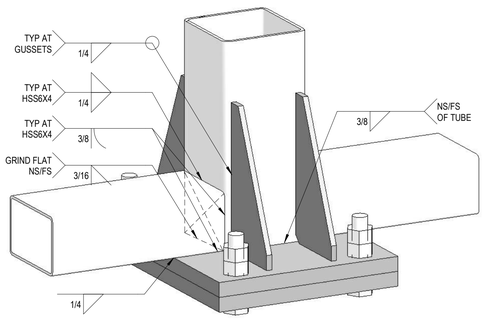


SECTION 3



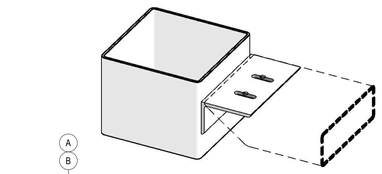
TYP. GUSSET

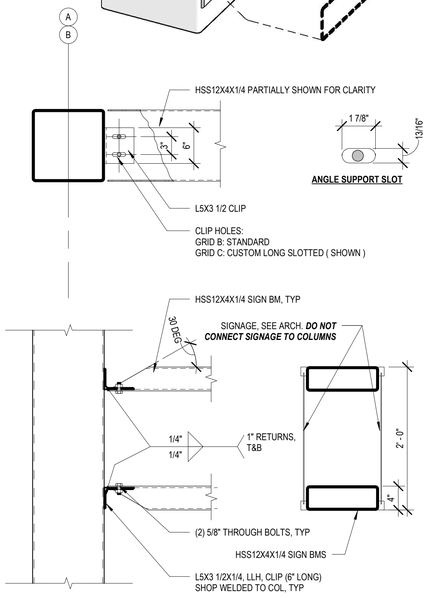




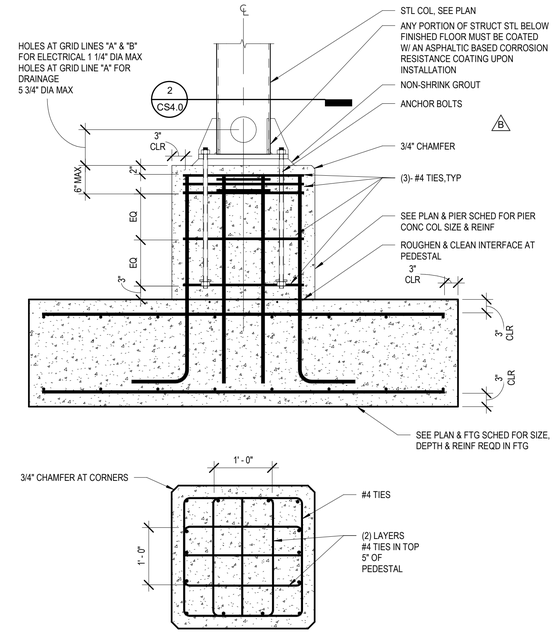
SECTION 3.1

6 CS4.0 COLUMN TO TRUSS CONNECTION
1" = 1'-0"





3 CS4.0 SIGNAGE SUPPORT
1" = 1'-0"



1 CS4.0 FOUNDATION DETAIL
3/4" = 1'-0"

AECOM
AECOM Services of PA, Inc.
300 BROADACRES DRIVE, SUITE 250
BLOOMFIELD, NJ 07003
973.883.8500 FAX 973.883.8601
http://www.aecom.com

CLIENT NAME
WAWA INC.
260 W. BALTIMORE PIKE
WAWA,PA 19063

PROJECT NAME
U45FB M v2025.Q1
WAWA STORE #8216
25 SECOND STREET PIKE
UPPER SOUTHAMPTON, PA 18966

SHEET TITLE
DETAILS

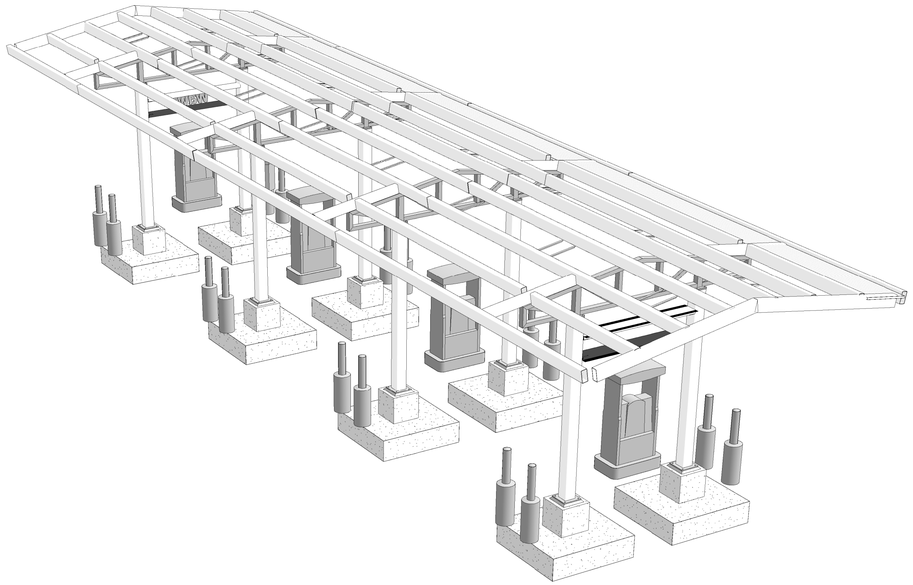
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REV C - REVISED IFC SET	04/18/2025

PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60899612.8216
DRAWN	SK
CHECKED	MY

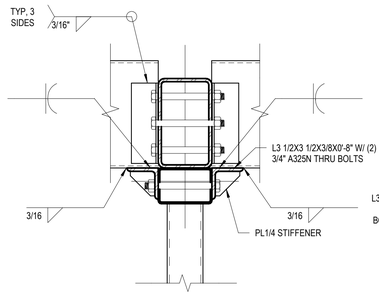
8216
UPPER SOUTHAMPTON, PA

Wawa

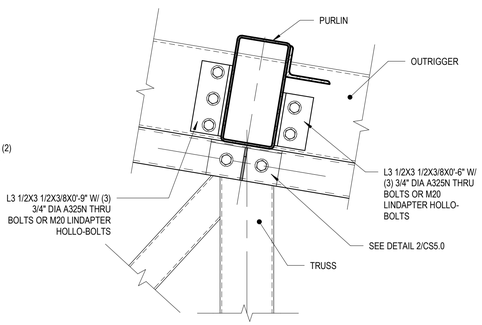
CS4.0



5 CS5.0 3D ISOMETRIC VIEW



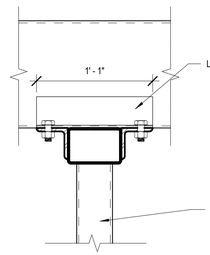
SECTION VIEW



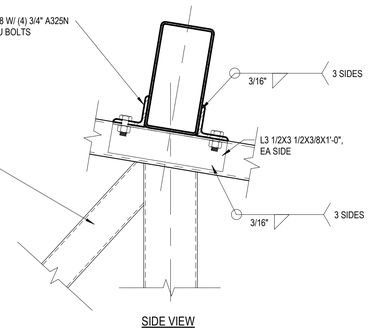
SIDE VIEW

4 CS5.0 LOW REAR OUTRIGGER TO TRUSS CONNECTION

1 1/2" = 1'-0"



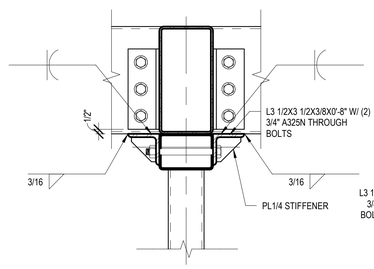
SECTION VIEW

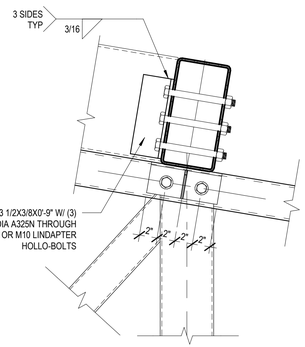


SIDE VIEW

3 CS5.0 TRUSS TO PURLIN CONNECTION, UON

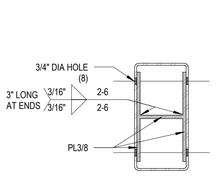
1 1/2" = 1'-0"

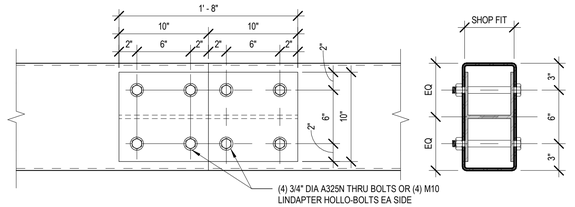




2 CS5.0 OUTRIGGER TO TRUSS CONNECTION

1 1/2" = 1'-0"





1 CS5.0 HSS FIELD SPLICE

1 1/2" = 1'-0"

AECOM
AECOM Services of PA, Inc.
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BLOOMFIELD, NJ 07003
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PROTOTYPE	U45FB M v2025.Q1
PROJECT NO.	60699012.8216
DRAWN	SK
CHECKED	MY

8216
UPPER SOUTHAMPTON, PA

Wawa

CS5.0