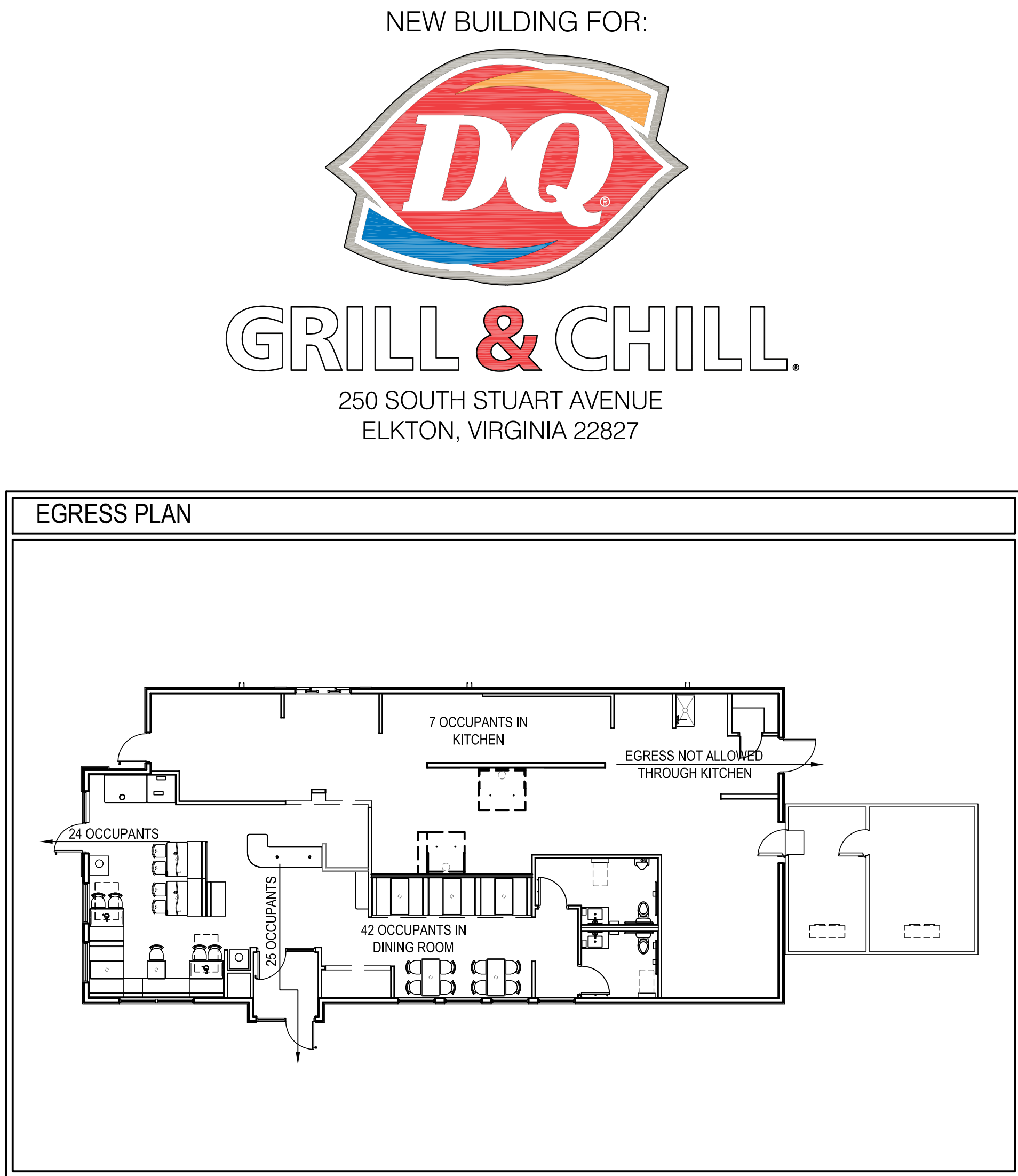


CODE REVIEW			
BUILDING CODE DATA: NOTES BELOW HAVE BEEN RECONSTRUCTED FOR APPLICABILITY TO THE ENTIRE BUILDING			
BUILDING INFORMATION:	TOTAL FIRST FLOOR AREA:	<u>2,485 SF (GROSS)</u>	
USE GROUP:	A-2 (FIXED SEATS), KITCHEN		
CONSTRUCTION TYPE:	BUILDING IS TYPE 5B CONSTRUCTION		
OCCUPANT LOAD:	DINING ROOM AREA = 893 SQ FT	= 42 FIXED SEATS	= 42 OCCUPANTS
	KITCHEN AREA = 1,374 SQ FT	= 200 GROSS	= 7 OCCUPANTS
	ACCESSORY SPACES = 218 SQ FT	= NOT CALCULATED	= 0 OCCUPANTS
		TOTAL OCCUPANTS	= <u>49 OCCUPANTS</u>
MEANS OF EGRESS: (SEE EGRESS PLAN FOR GRAPHICAL INFORMATION)			
	ASSEMBLY - TRAVEL DISTANCE TO EXIT	= 200 FEET	
	COMMON PATH OF EGRESS TRAVEL	= 75 FEET	
	MAXIMUM DEAD END CORRIDOR	= 20 FEET	
	MINIMUM REQUIRED EGRESS WIDTH MULTIPLIER	= 0.2 INCHES	
	49 OCCUPANTS X 0.2 = 9.8" REQUIRED EXIT WIDTH / 68" PROVIDED		
	MINIMUM CORRIDOR WIDTH	= 44 INCHES	
	MINIMUM CLEAR OPENING AT DOORS	= 32 INCHES	
	MIN NUMBER OF EXITS	= 2 EXITS REQUIRED / 2 EXITS PROVIDED	
	*EXITS ARE SEPARATED BY MORE THAN ONE HALF THE DISTANCE OF THE DIAGONAL SPACE THEY SERVE		
HEIGHT & AREA:	A-2 TYPE 5B WITHOUT A SPRINKLER ALLOWS FOR 1 STORY AT 6,000 SQ FT PER STORY. PROPOSED BUILDING IS 1 STORY W/ 2,485 SQ FT		
FIRE RESISTANCE RATINGS:	FIRE RESISTANT RATINGS OF STRUCTURAL ELEMENTS		
TABLE 601	BASED ON CONST. TYPE 5B		
	STRUCTURAL FRAME	0 HOUR	
	BEARING WALLS (EXTERIOR)	0 HOUR	
	BEARING WALLS (INTERIOR)	0 HOUR	
	NON-BEARING WALLS (EXTERIOR)	0 HOUR	
	NON-BEARING WALLS (INTERIOR)	0 HOUR	
	FLOOR CONSTRUCTION	0 HOUR	
	ROOF CONSTRUCTION	0 HOUR	
SUPPRESSION SYST.:	FIRE SUPPRESSION SYSTEM IS NOT PROVIDED / REQUIRED IN THE BUILDING		
FIRE SEPARATION:	NO FIRE SEPARATION REQUIRED IN PROVIDED / REQUIRED IN THE BUILDING		
ACCESSIBILITY:	ONE (1) ENTRANCE REQUIRED TO BE ACCESSIBLE. TWO (2) ACCESSIBLE ENTRANCES PROVIDED.		
INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY			
	OCCUPANCY GROUP A-2, UNSPRINKLERED		
	CORRIDORS AND LOBBIES = CLASS A OR B, FLAMESPREAD 26-75, SMOKE DEVELOPED = 0-450.		
	ROOMS AND ENCLOSED SPACES = CLASS S, FLAMESPREAD 76-200, SMOKE DEVELOPED = 0-450		
	EXIT ENCLOSURES = CLASS A, FLAMESPREAD 26-75, SMOKE DEVELOPED = 0-450		
PLUMBING:	MINIMUM NUMBER OF PLUMBING FACILITIES		
	ASSEMBLY OCCUPANCY		
	ASSEMBLY 49 OCCUPANTS = 25 MEN / 25 WOMEN)		
	MENS WATER CLOSETS: 1 PER 50 OCCUPANTS		
	WOMENS WATER CLOSETS: 1 PER 50 OCCUPANTS		
	URINALS: NOT MORE THAN 67% OF WATER CLOSETS		
	LAVATORIES: 1 PER 200 OCCUPANTS		
	DRINKING FOUNTAIN = 1 PER 500		
	OTHER ITEMS: 1 SERVICE SINK		
	REQUIRED / PROVIDED PLUMBING FIXTURES		
	MEN (25 OCCUPANTS)	1 WATER CLOSET REQUIRED / 1 PROVIDED 1 LAVATORY REQUIRED / 1 PROVIDED A URINAL IN THE MENS RESTROOM IS PROVIDED	
	WOMEN (25 OCCUPANTS)	1 WATER CLOSETS REQUIRED / 1 PROVIDED 1 LAVATORY REQUIRED / 1 PROVIDED	
	OTHER ITEMS:	1 SERVICE SINK REQUIRED / 1 PROVIDED DRINKING FOUNTAIN NOT REQUIRED / 1 WATER DISPENSER AT SELF SERVICE DRINK HEAD	



ADQ PRIMARY VENDORS LIST		ADDITIONAL FINISHES AND ALTERNATE VENDORS MAY BE FOUND ON THE AMERICAN DAIRY QUEEN EXTRANET SITE, "http://www.dairyqueen.net/en/franchisee/facility/pages/facilityhome.aspx". ALL MATERIALS LISTED IN THIS SET OF DRAWINGS MAY BE SUBSTITUTED. SUBMIT SAMPLES TO DDQ FOR APPROVAL PRIOR TO PURCHASE.			
PRODUCT: FLOOR & WALL TILES, MARMOLEUM WALL FINISHES, VINYL WALL COVERINGS, FRP(s), CEILING SYSTEMS, LIGHTING FIXTURES, CAKE FREEZER, RETROFIT LIGHTING, KITS, PLUMBING, TANKLESS WATER HEATER, TOILET PARTITIONS, HAND DRYERS, PATIO RAILINGS, & SPOON HANDLE. COMPANY: HJC, INC. (HAINES, JONES & CADBURY, INC) CONTACT: TRISH GOLDEN & AMANDA GRUVER PHONE: 800-459-7099 EMAIL: DQ@hjcinc.com WEB SITE: www.hjcinc.com NOTE: HJC, INC. IS AN APPROVED CONSOLIDATOR AND DISTRIBUTOR OF ADQ APPROVED CONSTRUCTION MATERIALS.	PRODUCT: BACK OF HOUSE FLOORING COMPANY: PROTECT-ALL FLOORING CONTACT: SCOTT HAGER PHONE: 909-690-9200 ext. 8019 EMAIL: scott.hager@hokim.com WEB SITE: www.protect-allflooring.com	PRODUCT: BULK CO2 SYSTEMS COMPANY: NUCO2 CONTACT: JAMES JOSEPH PHONE: 720-472-2855 CUSTOMER SERVICE: 800-472-2855 EMAIL: james.joseph@nuco2.com WEB SITE: www.nuco2.com	PRODUCT: EXTERIOR DIGITAL READER BOARD COMPANY: DAKTRONICS CONTACT: SEAN CAMPBELL PHONE: 920-892-0200 ext. 5555 EMAIL: seancampbell@daktronics.com WEB SITE: www.daktronics.com/dq	PRODUCT: SEATING PACKAGE (DINING & PATIO) COMPANY: PLYMOLD CONTACT: JULIE OR DIXIE PHONE: 909-692-0200 OR 507-789-8371 EMAIL: julie@plymold.com OR daneg@plymold.com WEB SITE: www.plymold.com	PRODUCT: SAFES COMPANY: ROLLAND SAFE & LOCK CONTACT: LATISSA JEFFERSON PHONE: 214-845-8908 EMAIL: safesorders@rollandsolutions.com WEB SITE: www.rollandsolutions.com
PRODUCT: FLOOR & WALL TILE COMPANY: KATELO TILE CONTACT: JENNALYN PETERSEN PHONE: 800-288-3026 or 763-316-5827 EMAIL: jenna@katelotile.com WEB SITE: www.katelotile.com	PRODUCT: FLOOR & WALL TILES, MARMOLEUM WALL FINISHES, VINYL WALL COVERINGS, FRP(s), CEILING SYSTEMS, LIGHTING FIXTURES, CAKE FREEZER, RETROFIT LIGHTING, KITS, PLUMBING, TANKLESS WATER HEATER, TOILET PARTITIONS, HAND DRYERS, PATIO RAILINGS, & SPOON HANDLE. COMPANY: HJC, INC. (HAINES, JONES & CADBURY, INC) CONTACT: TRISH GOLDEN & AMANDA GRUVER PHONE: 800-459-7099 EMAIL: DQ@hjcinc.com WEB SITE: www.hjcinc.com NOTE: HJC, INC. IS AN APPROVED CONSOLIDATOR AND DISTRIBUTOR OF ADQ APPROVED CONSTRUCTION MATERIALS.	PRODUCT: FLOOR & WALL TILE COMPANY: KATELO TILE CONTACT: JENNALYN PETERSEN PHONE: 800-288-3026 or 763-316-5827 EMAIL: jenna@katelotile.com WEB SITE: www.katelotile.com	PRODUCT: EXTERIOR DIGITAL READER BOARD COMPANY: DAKTRONICS CONTACT: SEAN CAMPBELL PHONE: 920-892-0200 ext. 5555 EMAIL: seancampbell@daktronics.com WEB SITE: www.daktronics.com/dq	PRODUCT: PATIO FURNITURE COMPANY: WAUSAU TILE CONTACT: DAWN RHEINSMIDT PHONE: 715-241-0313 EMAIL: cslr3@wausautile.com WEB SITE: www.wausautile.com	PRODUCT: TRASH ENCLOSURE GATE & HARDWARE COMPANY: FALCON MANUFACTURING CONTACT: ROBERT MARKIN PHONE: 1-918-647-4433 or 800-733-1331 EMAIL: sales@gatesbyfalcon.com WEB SITE: www.gatesbyfalcon.com
PRODUCT: HVAC SYSTEM, RTU CURBS COMPANY: NCANATIONAL HVAC PRODUCTS CONTACT: MAX PEREZ PHONE: 727-530-0078 EMAIL: mperez@ncaconsultants.com REQUEST QUOTES/PRICING: marketing@ncaconsultants.com	PRODUCT: ACUSTIC CEILING SYSTEMS COMPANY: ARMSTRONG WORLD INDUSTRIES CONTACT: SALES: LISA CAVATAIO & BETH RINEHART PHONE: 800-442-4212 EMAIL: armstrongcsa@armstrong.com WEB SITE: www.armstrong.com	PRODUCT: SMALLWARES COMPANY: THE WASSERSTROM COMPANY (TWC) CONTACT: FARA ADAMS PHONE: 800-999-9277 ext. 8385 EMAIL: faraadams@wasserstrom.com WEB SITE: www.wasserstrom.com	PRODUCT: EXTERIOR DIGITAL READER BOARD COMPANY: DAKTRONICS CONTACT: SEAN CAMPBELL PHONE: 920-892-0200 ext. 5555 EMAIL: seancampbell@daktronics.com WEB SITE: www.daktronics.com/dq	PRODUCT: PATIO FURNITURE COMPANY: WAUSAU TILE CONTACT: DAWN RHEINSMIDT PHONE: 715-241-0313 EMAIL: cslr3@wausautile.com WEB SITE: www.wausautile.com	PRODUCT: TRASH ENCLOSURE GATE & HARDWARE COMPANY: FALCON MANUFACTURING CONTACT: ROBERT MARKIN PHONE: 1-918-647-4433 or 800-733-1331 EMAIL: sales@gatesbyfalcon.com WEB SITE: www.gatesbyfalcon.com
PRODUCT: BUILDING STONE COMPANY: CULTURED STONE / WESTLAKE COMPANY CONTACT: KATHY MANNON PHONE: 419-806-2234 EMAIL: kmannon@westlake.net WEB SITE: www.culturedstone.com	PRODUCT: FRP WALL PANELS COMPANY: MARLITE CONTACT: KAREN KANE PHONE: 330-260-7617 EMAIL: kkane@marlite.com WEB SITE: www.marlite.com	PRODUCT: GRAPHIC, POSTERS, & VINYL WALL COVERING COMPANY: JOLIE PATTERN CONTACT: ANDY WOOD PHONE: 866-565-7288 EMAIL: dqsales@joliepattern.com WEB SITE: www.joliepattern.com	PRODUCT: EXTERIOR DIGITAL READER BOARD COMPANY: DAKTRONICS CONTACT: SEAN CAMPBELL PHONE: 920-892-0200 ext. 5555 EMAIL: seancampbell@daktronics.com WEB SITE: www.daktronics.com/dq	PRODUCT: PATIO FURNITURE COMPANY: WAUSAU TILE CONTACT: DAWN RHEINSMIDT PHONE: 715-241-0313 EMAIL: cslr3@wausautile.com WEB SITE: www.wausautile.com	PRODUCT: TRASH ENCLOSURE GATE & HARDWARE COMPANY: FALCON MANUFACTURING CONTACT: ROBERT MARKIN PHONE: 1-918-647-4433 or 800-733-1331 EMAIL: sales@gatesbyfalcon.com WEB SITE: www.gatesbyfalcon.com
PRODUCT: ARCHITECTURAL METALS COMPANY: NU LOOK EXTERIORS INC. CONTACT: ERIC BRUEHLING PHONE: 952-862-8787 EMAIL: eric@nulook.net WEB SITE: www.nulook.net	PRODUCT: REVEAL SYSTEMS COMPANY: FRY REGLET CONTACT: JONATHAN KURTZ PHONE: 770-521-9660 ext.227 (office) or 404-431-9605 (cell) EMAIL: jonathankurtz@fryreglet.com WEB SITE: www.fryreglet.com	PRODUCT: TANKLESS WATER HEATERS COMPANY: RINNAI AMERICA CORPORATION CONTACT: STACY PETERSON PHONE: 908-631-8297 EMAIL: corporate@rinnai.us OR speterson@rinnai.us WEB SITE: www.rinnai.us	PRODUCT: EXTERIOR DIGITAL READER BOARD COMPANY: DAKTRONICS CONTACT: SEAN CAMPBELL PHONE: 920-892-0200 ext. 5555 EMAIL: seancampbell@daktronics.com WEB SITE: www.daktronics.com/dq	PRODUCT: PATIO FURNITURE COMPANY: WAUSAU TILE CONTACT: DAWN RHEINSMIDT PHONE: 715-241-0313 EMAIL: cslr3@wausautile.com WEB SITE: www.wausautile.com	PRODUCT: TRASH ENCLOSURE GATE & HARDWARE COMPANY: FALCON MANUFACTURING CONTACT: ROBERT MARKIN PHONE: 1-918-647-4433 or 800-733-1331 EMAIL: sales@gatesbyfalcon.com WEB SITE: www.gatesbyfalcon.com
PRODUCT: SOLID SURFACE MATERIAL COMPANY: DUPONT SURFACES (CORIAN) CONTACT: MADHA LATIF PHONE: 483-576-7100 EMAIL: madha.latif@dupont.com WEB SITE: www.coriansidesign.com	PRODUCT: PAINT COMPANY: BENJAMIN MOORE CONTACT: MATT EKINCI PHONE: 201-949-6889 EMAIL: bmoassociates@benjaminmoore.com WEB SITE: www.benjaminmoore.com	PRODUCT: POWER DISTRIBUTION SYSTEM COMPANY: SPACE SAVER DISTRIBUTION, INC. (SSDI) CONTACT: ADAM BOHNET PHONE: 702-364-8977 Ext.303 EMAIL: abohnet@ssdiv.com WEB SITE: www.ssdiv.com	PRODUCT: EXTERIOR DIGITAL READER BOARD COMPANY: DAKTRONICS CONTACT: SEAN CAMPBELL PHONE: 920-892-0200 ext. 5555 EMAIL: seancampbell@daktronics.com WEB SITE: www.daktronics.com/dq	PRODUCT: PATIO FURNITURE COMPANY: WAUSAU TILE CONTACT: DAWN RHEINSMIDT PHONE: 715-241-0313 EMAIL: cslr3@wausautile.com WEB SITE: www.wausautile.com	PRODUCT: TRASH ENCLOSURE GATE & HARDWARE COMPANY: FALCON MANUFACTURING CONTACT: ROBERT MARKIN PHONE: 1-918-647-4433 or 800-733-1331 EMAIL: sales@gatesbyfalcon.com WEB SITE: www.gatesbyfalcon.com
PRODUCT: GREASE INTERCEPTOR COMPANY: SCHIER GREASE INTERCEPTOR CONTACT: ROB PARTEN PHONE: 913-951-1345 EMAIL: rob.parten@schierproducts.com WEB SITE: www.schierproducts.com	PRODUCT: VINYL WALL COVERINGS (GATEWAY) COMPANY: MDC WALL COVERING CONTACT: JOANNE MROSAC PHONE: 800-621-4000 (office) or 763-218-7207 (cell) EMAIL: jmrosac@mcdwall.com WEB SITE: www.mcdwall.com	PRODUCT: SIGNS, EXTERIOR (PYLON & BUILDING) COMPANY: ALLEN INDUSTRIES CONTACT: DO HOTLINE PHONE: 888-294-2007 Ext.3184 EMAIL: info@allenindustries.com WEB SITE: www.allenindustries.com	PRODUCT: EXTERIOR DIGITAL READER BOARD COMPANY: DAKTRONICS CONTACT: SEAN CAMPBELL PHONE: 920-892-0200 ext. 5555 EMAIL: seancampbell@daktronics.com WEB SITE: www.daktronics.com/dq	PRODUCT: PATIO FURNITURE COMPANY: WAUSAU TILE CONTACT: DAWN RHEINSMIDT PHONE: 715-241-0313 EMAIL: cslr3@wausautile.com WEB SITE: www.wausautile.com	PRODUCT: TRASH ENCLOSURE GATE & HARDWARE COMPANY: FALCON MANUFACTURING CONTACT: ROBERT MARKIN PHONE: 1-918-647-4433 or 800-733-1331 EMAIL: sales@gatesbyfalcon.com WEB SITE: www.gatesbyfalcon.com
PRODUCT: EXTERIOR FINISH INSULATION SYSTEMS (EFIS) COMPANY: STO CORP STRATEGIC ACCOUNTS CONTACT: CHUCK DUFFIN PHONE: 940-894-2092 EMAIL: cduffin@stocorp.com WEB SITE: www.stocorp.com	PRODUCT: HVAC ROOFTOP EQUIPMENT COMPANY: CARRIER CONTACT: MARY BETH KOZLOWSKI PHONE: 315-432-7054 EMAIL: marybeth.kozlowski@carrier.com WEB SITE: www.carrier.com/commercial/en/us/	PRODUCT: SIGNS, EXTERIOR (PYLON & BUILDING) COMPANY: ALLEN INDUSTRIES CONTACT: DO HOTLINE PHONE: 888-294-2007 Ext.3184 EMAIL: info@allenindustries.com WEB SITE: www.allenindustries.com	PRODUCT: EXTERIOR DIGITAL READER BOARD COMPANY: DAKTRONICS CONTACT: SEAN CAMPBELL PHONE: 920-892-0200 ext. 5555 EMAIL: seancampbell@daktronics.com WEB SITE: www.daktronics.com/dq	PRODUCT: PATIO FURNITURE COMPANY: WAUSAU TILE CONTACT: DAWN RHEINSMIDT PHONE: 715-241-0313 EMAIL: cslr3@wausautile.com WEB SITE: www.wausautile.com	PRODUCT: TRASH ENCLOSURE GATE & HARDWARE COMPANY: FALCON MANUFACTURING CONTACT: ROBERT MARKIN PHONE: 1-918-647-4433 or 800-733-1331 EMAIL: sales@gatesbyfalcon.com WEB SITE: www.gatesbyfalcon.com
PRODUCT: EXTERIOR ROOFING SYSTEMS COMPANY: DURO-FAST ROOFING, INC. CONTACT: MARK SUMAN PHONE: 608-635-9928 EMAIL: mark.suman@holcim.com WEB SITE: www.duro-fast.com	PRODUCT: WINDOW SHADES COMPANY: CE CONTRACT CONTACT: RICHARD LEE PHONE: 952-693-5102 (office) or 952-451-9522 (cell) EMAIL: rlee@CEcontract.com WEB SITE: www.CEcontract.com	PRODUCT: DOORS, FRAMES & HARDWARE COMPANY: HAMILTON PARKER CO./CBC CONTACT: KEVIN BAKER PHONE: 614-358-7843 EMAIL: kbaker@hamiltonparker.com WEB SITE: www.hamiltonparker.com	PRODUCT: EXTERIOR DIGITAL READER BOARD COMPANY: DAKTRONICS CONTACT: SEAN CAMPBELL PHONE: 920-892-0200 ext. 5555 EMAIL: seancampbell@daktronics.com WEB SITE: www.daktronics.com/dq	PRODUCT: PATIO FURNITURE COMPANY: WAUSAU TILE CONTACT: DAWN RHEINSMIDT PHONE: 715-241-0313 EMAIL: cslr3@wausautile.com WEB SITE: www.wausautile.com	PRODUCT: TRASH ENCLOSURE GATE & HARDWARE COMPANY: FALCON MANUFACTURING CONTACT: ROBERT MARKIN PHONE: 1-918-647-4433 or 800-733-1331 EMAIL: sales@gatesbyfalcon.com WEB SITE: www.gatesbyfalcon.com

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ADQ PROJECT MANAGEMENT: 1-800-985-6686

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AMERICAN DAIRY QUEEN, WANTS TO REMIND YOU THAT AS AN OWNER OR OPERATOR OF A RESTAURANT, YOU HAVE CERTAIN OBLIGATIONS UNDER THE AMERICANS WITH DISABILITIES ACT. IF YOU ARE INVOLVED IN NEW CONSTRUCTION OR REMODELING, YOU SHOULD DISCUSS WITH YOUR ARCHITECT, CONTRACTORS AND LEGAL COUNSEL YOUR OBLIGATIONS UNDER THE AMERICANS WITH DISABILITIES ACT TO MAKE SURE YOUR RESTAURANT IS IN FULL COMPLIANCE WITH THE LAW. YOU ALSO SHOULD OBTAIN A COPY OF THE ADA ACCESSIBILITY GUIDELINES (ADAAG) WHICH IS THE FEDERAL HANDICAPPED ACCESS STANDARD FOR NEW CONSTRUCTION AND ALTERATIONS. YOU CAN OBTAIN A COPY BY WRITING: U.S. ARCHITECTURAL & TRANSPORTATION BARRIERS COMPLIANCE BOARD 1331 F STREET, N.W., SUITE 1000 WASHINGTON, D.C. 20004-1111 (800) 872-2253 (VOICE) (800) 993-2822 (TTY) www.ada.gov BECAUSE AMERICAN DAIRY QUEEN, INC. CANNOT HAVE AVAILABLE TO IT ALL OF THE SPECIFIC DETAILS RELATING TO YOUR RESTAURANT OPERATION, IT CANNOT ENSURE THAT YOUR RESTAURANT COMPLIES. BECAUSE OF ITS COMMITMENT OF SERVICE TO DAIRY QUEEN CUSTOMERS, HOWEVER AMERICAN DAIRY QUEEN, INC. ENCOURAGES ALL OF ITS FRANCHISEES TO MAINTAIN FULL COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT.

APPLICABLE CODES
2021 VIRGINIA BUILDING AND FIRE CODE 2021 VIRGINIA PLUMBING CODE 2021 VIRGINIA MECHANICAL CODE 2021 VIRGINIA FUEL GAS CODE 2021 VIRGINIA ENERGY CONSERVATION CODE 2023 NATIONAL ELECTRICAL CODE (NEC)

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M-5 HOOD DETAILS
M-6 HOOD DETAILS
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NEW BUILDING FOR:
 250 SOUTH STUART AVENUE ELKTON, VA 22827
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ISSUE DATE: 04/27/26
REVISION DATE: 04/27/26 ORIGINAL ISSUE
TITLE SHEET
SHEET NUMBER: T1

250 S Stuart Ave Site Plan

250 S Stuart Ave
Elkton, VA 22827

SITE DESIGN:
COLMAN ENGINEERING
ATTN: GIL COLMAN, PE
1123 South High St
Harrisonburg, VA 22801
540-818-5265

OWNER/DEVELOPER:
COMMONWEALTH 250, LLC
263 FAIRWAY DR
HARRISONBURG, VA 22802

SURVEYOR:
Lotts & Associates
21 Cambridge Drive
Stuarts Draft, VA 24477
(540) 377-0012

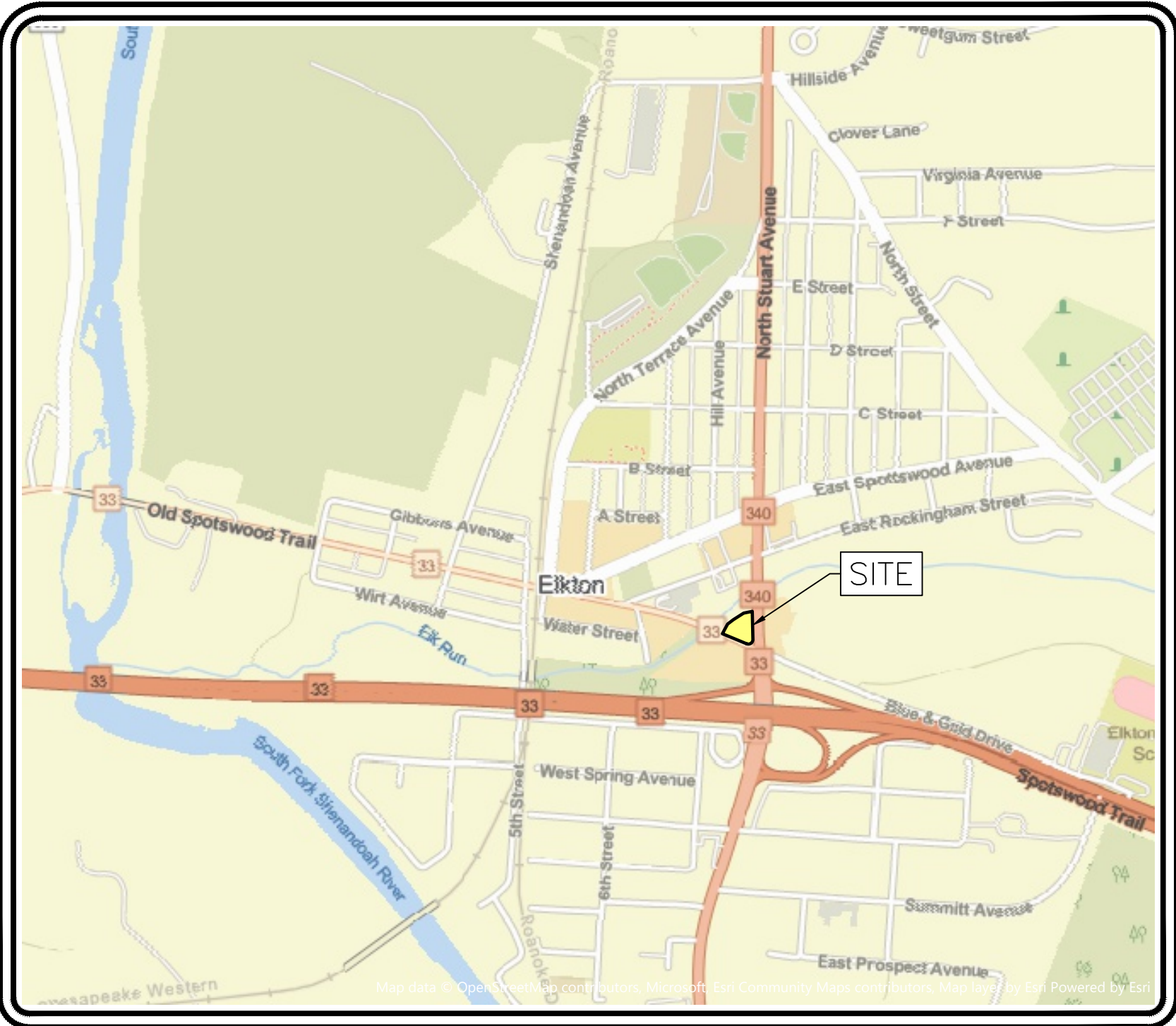
TOPOGRAPHY:
FIELD SURVEY
PROVIDED BY
COLMAN ENGINEERING

PROPERTY INFO:
TM: 131B1-A-63
ZONE: TOWN B1
LOT SIZE: 0.804 AC.
FEMA FLOOD ZONE AE
TOTAL SITE AREA: 0.804 AC.
FEMA FLOOD ZONE AE

BUILDING INFO:
AREA: 2484 SF
1 STORY
USE: COMMERCIAL
BUSINESS USE: RESTAURANT
ISO CLASS 1
IBC TYPE VB
NEEDED FIRE FLOW:
1250 GPM

ZONING ANALYSIS
Zone: DOWNTOWN BUSINESS DISTRICT B1 Current
Use: VACANT (FORMERLY BANK)
Proposed Use: RESTAURANT (ALLOWED BY RIGHT)
Setbacks:
Front: ZERO FEET
Side: ZERO FEET
Rear: ZERO FEET

REQUIRED PARKING: (SEE SITE LAYOUT)



VICINITY MAP
1" = 1000'

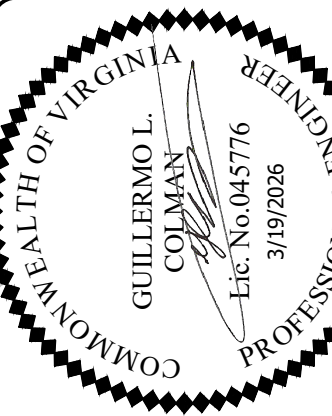
Review Agency Staff Contact List ENG#2			
Name	Title	Phone Number	Email Address
Rockingham County			
Adam Hancock	Environmental Manager	(540) 564-1529	ahancock@rockinghamcountyva.gov
Joe Shifflett	Building Official	(540) 564-3041	jshifflett@rockinghamcountyva.gov
Ben Terry	Deputy Building Official	(540) 564-3046	bterry@rockinghamcountyva.gov
Ross Morland, PE	Director of Engineering, Site Plan Review Coordinator	(540) 564-6095	rmorland@rockinghamcountyva.gov
Joe Mullens	Deputy Fire Marshal	(540) 564-3175	jmullens@rockinghamcountyva.gov
Todd Spitzer	Assistant Fire Marshal	(540) 564-3175	tspitzer@rockinghamcountyva.gov
Town of Elkton			
Delores Hammer	Director of Community Development	(540) 713-4062	dhammer@townofelkton.com
Gaither Hurt	Director of Public Works	(540) 298-1330	ghurt@townofelkton.com
Rockingham County Public Schools			
Chris Sours	Transportation Supervisor	(540) 433-2458	csours@rockingham.k12.va.us
Virginia Department of Transportation, Harrisonburg Residency			
Burgess Lindsey, PE	Area Land Use Engineer	(540) 434-2587	Burgess.Lindsey@VDOT.Virginia.gov
Jeff Nicely	Land Development Engineer	(540) 434-2587	Jeff.Nicely@VDOT.Virginia.gov
Virginia Department of Health - Office of Drinking Water, Lexington Field Office			
Steve Kvech, PE	Deputy Field Director	(540) 463-0424	Steve.Kvech@vdh.virginia.gov

SHEET	DESCRIPTION
C1	COVER SHEET
C2	GENERAL NOTES
C3	EXISTING CONDITIONS
C4	SITE LAYOUT
C5	GRADING
C6	EROSION & SEDIMENT CONTROL PLAN
C7	EROSION & SEDIMENT CONTROL NARRATIVE
C8	PRE-DEVELOPMENT INLET DRAINAGE MAP
C9	POST-DEVELOPMENT INLET DRAINAGE MAP

Date: 2/10/2026
Scale: AS SHOWN
Designed by: GLC, PE
Drawn by: DPW
Reviewed by: GLC, PE

Revision Dates
3/19/2026 Per County

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COVER
250 S Stuart Ave Site Plan
Commonwealth 250, LLC
250 S Stuart Ave
Elkton, VA 22827

Project No.
CE202551

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Sheet
C1
of 9 Sheets



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MISS UTILITY
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ABBREVIATIONS	
A.B.C.	AGGREGATE BASE COURSE
AP	ANGLE POINT
APPROX.	APPROXIMATE
ASPH.	ASPHALT
BLDG.	BUILDING
BMP	BEST MANAGEMENT PRACTICE
BSW	BACK OF SIDEWALK
BW	BOTTOM OF WALL
C&G	CURB AND GUTTER
CI	CAST IRON
CIP	CAST-IN-PLACE
C	CENTERLINE
CO	CLEANOUT
COMM.	COMMUNICATIONS
CONC.	CONCRETE
DI	DROP INLET
DIP	DUCTILE IRON PIPE
DIPS	DUCTILE IRON PIPE SIZE
EG	EXISTING GRADE
EL	ELEVATION
EOP	EDGE OF PAVEMENT
EXIST.	EXISTING
FC	FACE OF CURB
FDC	FIRE DEPARTMENT CONNECTION
FG	FINISHED GRADE
FL	FLOWLINE
FO	FIBER OPTIC
FT	FOOT
GRAV.	GRAVEL
HDD	HORIZONTAL DIRECTIONAL DRILLING
HDPE	HIGH DENSITY POLYETHYLENE
HP	HIGH POINT
HYD.	HYDRANT
INV.	INVERT
L	LEFT
LF	LINEAR FEET
LP	LOW POINT
MATL.	MATERIAL
MAX.	MAXIMUM
MIN.	MINIMUM
OC	ON CENTER
O/S	OFFSET
PC	POINT OF CURVATURE
PEO.	PEDESTRIAN
PGL	PROFILE GRADE LINE
PL	PROPERTY LINE
PK	PROPOSED
PVMT.	PAVEMENT
PT	POINT OF TANGENCY
PNT.	POINT
R	RIGHT
RAD.	RADIUS
RCP	REINFORCED CONCRETE PIPE
R/R	REMOVE & REPLACE
R/W	RIGHT-OF-WAY
RW	RETAINING WALL
SD	STORM DRAIN
SECT.	SECTION
SF	SQUARE FEET
SMH	SANITARY SEWER MANHOLE
SDMH	STORM DRAIN MANHOLE
SPILL	SPILLWAY
STA.	STATION
SW	SIDEWALK
SY	SQUARE YARDS
TBC	TOP BACK CURB
TCE	TEMPORARY CONSTRUCTION EASEMENT
TELE.	TELEPHONE
TEMP.	TEMPORARY
TTC	TEMPORARY TRAFFIC CONTROL
TYR.	TOP OF WALL
UG	UNDERGROUND
VESCH	VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK
XS	CROSS SECTION
W	WIDE OR WIDTH
WS	WATER SERVICE
WL	WATER LINE
Ø	DIAMETER

LEGEND	
	EXISTING BUILDING
	PROPOSED BUILDING
	EXISTING PROPERTY LINE
	PROPOSED PROPERTY LINE
	PROPERTY SETBACK LINE
	EXISTING EASEMENT LINE
	PROPOSED EASEMENT LINE
	EXISTING CURB & GUTTER
	PROPOSED CURB & GUTTER
	EXISTING ROAD
	CENTERLINE OF ROAD
	EXISTING GUY WIRE
	EXISTING RAIL ROAD TRACK
	EXISTING GAS LINE
	EXISTING UNDERGROUND ELECTRIC
	EXISTING OVERHEAD UTILITY (ELECTRIC &/OR OTHER)
	EXISTING UNDERGROUND FIBER OPTIC LINE
	EXISTING UNDERGROUND TELECOMMUNICATION LINE
	EXISTING OVERHEAD TELECOMMUNICATION LINE
	EXISTING CONCRETE PAVEMENT
	PROPOSED CONCRETE PAVEMENT
	EXISTING ASPHALT PAVEMENT
	PROPOSED ASPHALT PAVEMENT
	PROPOSED HEAVY ASPHALT PAVEMENT
	EXISTING GRAVEL AREA
	PROPOSED GRAVEL AREA
	EXISTING SIDEWALK
	PROPOSED SIDEWALK
	LIMITS OF DISTURBED AREA
	EXISTING FENCE
	PROPOSED FENCE
	PROPOSED PARKING MARKING
	EXISTING PARKING MARKING
	PROPOSED PARKING AREA
	PROPOSED LANDSCAPED AREA
	EXISTING SANITARY SEWER PIPE
	PROPOSED SANITARY SEWER PIPE
	EXISTING STORM PIPE
	PROPOSED STORM PIPE
	EXISTING VEGETATION
	TC FLOW PATH
	EXISTING WATER LINE
	PROPOSED WATER LINE
	EXISTING WALL
	PROPOSED WALL
	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	PROPOSED WATER METER (SINGLE)
	PROPOSED WATER METER (DOUBLE)
	PROPOSED WATER VALVE
	PROPOSED FIRE HYDRANT
	EXISTING SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER CLEANOUT
	PROPOSED SANITARY SEWER MANHOLE
	EXISTING STORM STRUCTURE OR MANHOLE
	PROPOSED STORM STRUCTURE OR MANHOLE
	EXISTING UTILITY POLE
	PROPOSED UTILITY POLE
	EXISTING LIGHT POLE
	PROPOSED LIGHT POLE
	EXISTING ELECTRIC STRUCTURE
	PROPOSED ELECTRIC STRUCTURE
	EXISTING SIGN
	PROPOSED SIGN
	EXISTING TREE
	PROPOSED LARGE DECIDUOUS TREE
	PROPOSED SMALL DECIDUOUS TREE
	PROPOSED SHRUBS (GROUP OF 3)
	PROPOSED EVERGREEN TREE
	EXISTING GAS VALVE
	PROPOSED GAS VALVE
	PROPOSED DITCH OR SWALE
	IMPERVIOUS AREA
	PROPOSED SPOT ELEVATION
	No. OF PARKING SPACES

COUNTY GENERAL NOTES

1. Work in this project shall conform to the latest editions of the Virginia Department of Transportation (VDOT) Road and Bridge Specifications, the VDOT Road and Bridge Standards, the Virginia Stormwater Management Handbook, the Virginia Erosion and Stormwater Management Regulations and the Rockingham County Water and Sewer Specifications and Standards. In the event of conflict between any of these standards, specifications or plans, the most stringent shall govern.
2. Erosion and sediment control measures shall be maintained continuously, relocated when and as necessary and shall be checked after every rainfall. Seeded areas shall be checked regularly and shall be watered, fertilized, reseeded and mulched as necessary to obtain a dense stand of grass.
3. All drain inlets shall be protected from siltation. Ineffective protection devices shall be immediately replaced and the inlet cleaned. Flushing is not an acceptable method of cleaning.
4. When the crushed stone construction entrance has been covered with soil or has been pushed into the soil by construction traffic, it shall be replaced with a depth of stone equal to that of original application.
5. The location of existing utilities as shown is approximate only. The contractor is responsible for locating all public or private utilities which lie in or adjacent to the construction site. The contractor shall be responsible for repairing, at his expense, all existing utilities damaged during construction. Forty-eight (48) hours prior to any excavation call Miss Utility 1 (800) 552-7001.
6. All underground facilities located within the Town's right-of-ways shall be installed prior to the placement of any part of the pavement structure.
7. All materials used for fill or backfill shall be free of wood, roots, rocks, boulders or any other non-compatible soil type material. Unsatisfactory materials also include man-made fills and refuse debris derived from any source.
8. Satisfactory material for use as fill for public streets include material classified in ASTM D-2487 as GW, GP, GM, GC, SW, SP, SM, SC, ML and CL groups. The moisture content shall be controlled within plus or minus 2 percentage points of optimum to facilitate compaction. Generally, unsatisfactory materials include materials classified in ASTM D-2487 as PT, CH, MH, OH, and any soil too wet to facilitate compaction. CH and MH soils may be used subject to approval of the VDOT Engineer. Soils shall have a minimum dry density of 92 lb./cu. ft. per ASTM D-698 and shall have a liquid limit less than 17.
9. Compaction of fill material under building slabs shall be based upon recommendations of soils engineer after completion of standard Proctor test and shall meet bearing requirements of architect of buildings. The contractor shall be responsible for testing.
10. Materials used to construct embankments for any purpose, backfill around drainage structures or in utility trenches or any other depression requiring fill or backfill shall be compacted to 95% of maximum density as determined by the standard Proctor test in accordance with ASTM standard D-698. The contractor shall, prior to any operations involving filling or backfilling submit the results of the Proctor test together with a certification that the soil tested is representative of the materials to be used on the project. Tests shall be conducted by a certified materials testing laboratory and the certifications made by a licensed professional engineer representing the laboratory.
11. Compaction tests for street pavement structure shall be made in cut and fill areas at the following minimum frequencies:
 - (a) Sub-Grade: One test per lane per 500 lineal feet
 - (b) Stone Base: One test per lane per 6" compacted lift per 500 ft.
 - (c) Hot Asphaltic Concrete: One test per lane per lift per 500 ft.
12. All excavations, including trenches, shall be kept dry to protect their integrity.
13. Test results shall be submitted to the VDOT Engineer. Failure to conduct density tests shall be cause for non-acceptance of the facility. Tests shall be conducted at the sole cost of the developer or his agent.
14. Combination under-drains type CD-1 shall be installed at the lower end of cut sections. Under-drains type CD-2 shall be installed at the low point of all vertical curves. EW-12's or ES-1's required at end of drains.
15. Standard UD-1 and UD-3 under-drains shall be installed where indicated on plans and further where determined necessary in the field by VDOT Inspectors.
16. Pavement design is based on a subgrade CBR of 6 and an SSV of 6. Upon bringing the street subgrade to approximate elevation the contractor shall cause soil samples for CBR and soil resiliency determination to be taken at a maximum interval of 500 feet measured along the street centerline. The CBR and resiliency factor of each sample shall be determined and the average CBR shall be used to determine the pavement structure requirements. The pavement materials and the amount thereof as shown on the typical street section may be modified by the results of these tests in accordance with the VDOT standards and if approved by the VDOT Engineer. A copy of all soils test results shall be submitted to the VDOT Engineer prior to the placing of any base or subbase material.
17. VDOT Inspectors have full authority to reject fill or backfill materials, require undercutting or subgrade stabilization, require provisions for subdrainage, or require other measures which affect the integrity of road and utility construction. Failure to comply with Inspector's directives shall be cause of non-acceptance to the facility.
18. Traffic control on public streets shall be in conformance with the Manual of Uniform Traffic Control Devices and as further directed by VDOT Inspectors
19. Any discrepancies found between the drawings and specifications and site conditions or any inconsistencies or ambiguities in drawings or specifications shall be immediately reported to the engineer in writing, who shall promptly address such inconsistencies or ambiguities. Work done by the contractor after his discovery of such discrepancies, inconsistencies, or ambiguities shall be done at the contractor's risk.
20. A preconstruction conference shall be held prior to the start of the construction. The contractor shall arrange the meeting with the County Erosion Control Administrator.
21. Install VDOT standard street centerline monuments where required for new streets.
22. All storm sewer piping shall conform to Storm Piping Schedule. Pipe installation to follow VDOT Std. PB-1. Install VDOT Std. 15-1 inlet shaping in all storm drain inlets.
23. The Erosion and Sediment Control Narrative is a part of this plan and its requirements shall be met by the contractor.
24. The construction the entrance shall remain open onto the site at all times. All driveway areas (areas not designated as parking stalls) adjacent to the building shall be "Fire Lanes" with no parking allowed.
25. Fire lanes shall be designated where shown on plans. "No parking signs" shall be installed per Rockingham County Standards.

ROCKINGHAM COUNTY DEPT. OF FIRE AND RESCUE
REQUIRED SITE PLAN NOTES:

1. Required fire hydrants shall be installed and operational prior to combustible materials arriving on site. Fire hydrants shall be located and operational within 300 feet of construction with a 3 foot clear space maintained around the circumference of the fire hydrants. Where fire hydrants are subject to impact by a motor vehicle, guard posts or other approved means shall comply with the provisions of the Rockingham County Fire Prevention Code.
2. The fire department shall not be deterred or hindered from gaining immediate access to fire protection equipment or fire hydrants.
3. Vehicle access for firefighting shall be provided to within 150 feet of all portions of the building under construction. Access shall be provided by either temporary or permanent roads, capable of supporting the weight of fire apparatus, up to 37.5 tons, under all weather conditions. If the building height is greater than 50 feet, vehicle access for firefighting shall be within 50 feet of the building under construction.
4. Vehicle access shall be provided to within 50 feet of any in-service fire department connection.
5. Posts, fences, vehicles, trash, storage, building supplies, bushes, trees, landscaping, dumpsters, utilities and other materials or objects shall not be placed or kept near fire hydrants, fire department inlet connections or fire protection control valves in a manner that would prevent such equipment or fire hydrants from being immediately discernible.
6. Temporary construction fences, barriers, or gates shall be able to be readily moved or opened in the event of an emergency. After hours access through gates shall be provided.
7. Temporary street identification signs shall be placed at each intersection by the developer prior to any construction beginning. Signs shall be of durable material capable of withstanding all weather conditions. Letters shall be in a contrasting color to the background upon which they are placed. Sign letters shall be a minimum of 3 inches in height. Bottom of sign shall be mounted a minimum of 8 feet and a maximum of 10 feet above the ground upon which it is installed. The developer shall contact the county when temporary signs have been erected. The developer shall be responsible for keeping these signs in place until such time as permanent signs are erected.
8. Temporary fuel tanks shall be provided with impact protection, or in an area not directly adjacent to vehicular traffic, no smoking signage and a fire extinguisher within 20 feet.
9. Any temporary on-site hazardous materials shall be stored and used in accordance with the Rockingham County Fire Prevention Code and have MSDS information readily available.
10. No smoking will be allowed in or around buildings under construction, staged combustible material, or combustible waste materials.
11. Buildings under construction shall have fire extinguishers readily available.
12. Combustible waste shall not be accumulated in or around buildings and/or on the site.
13. Fire lanes shall be designated and marked in accordance with Rockingham County's standard for designation and marking of fire lanes. An on site visit shall be scheduled with the Fire Marshal's Office prior to the placement of any signs or markings designating a fire lane. An appointment for this purpose can be scheduled by calling 540-564-3175 at least 48 hours prior.
14. Based on the project, the Fire Marshal's Office may deem it appropriate for the creation of a pre-fire plan or tours by fire department personnel which will be coordinated with the job superintendent.
15. The job superintendent, or responsible party, shall be responsible for maintaining site conditions in accordance with the above requirements during construction.

Date: 2/10/2026

Scale: N/A

Designed by: GLC, PE

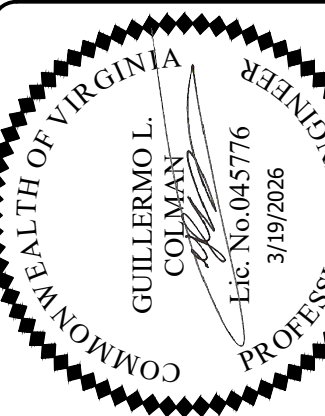
Drawn by: DPW

Reviewed by: GLC, PE

Revision Dates

3/19/2026 Per County

COLMAN
ENGINEERING
1123 South High Street | Harrisonburg, VA 22801 | Ph: (540) 246-3712
Email: contact@colmanengineering.com | www.colmanengineering.com



NOTES

250 S Stuart Ave Site Plan
Commonwealth 250, LLC
263 Fairway Dr
Harrisonburg, VA 22802

Project No.

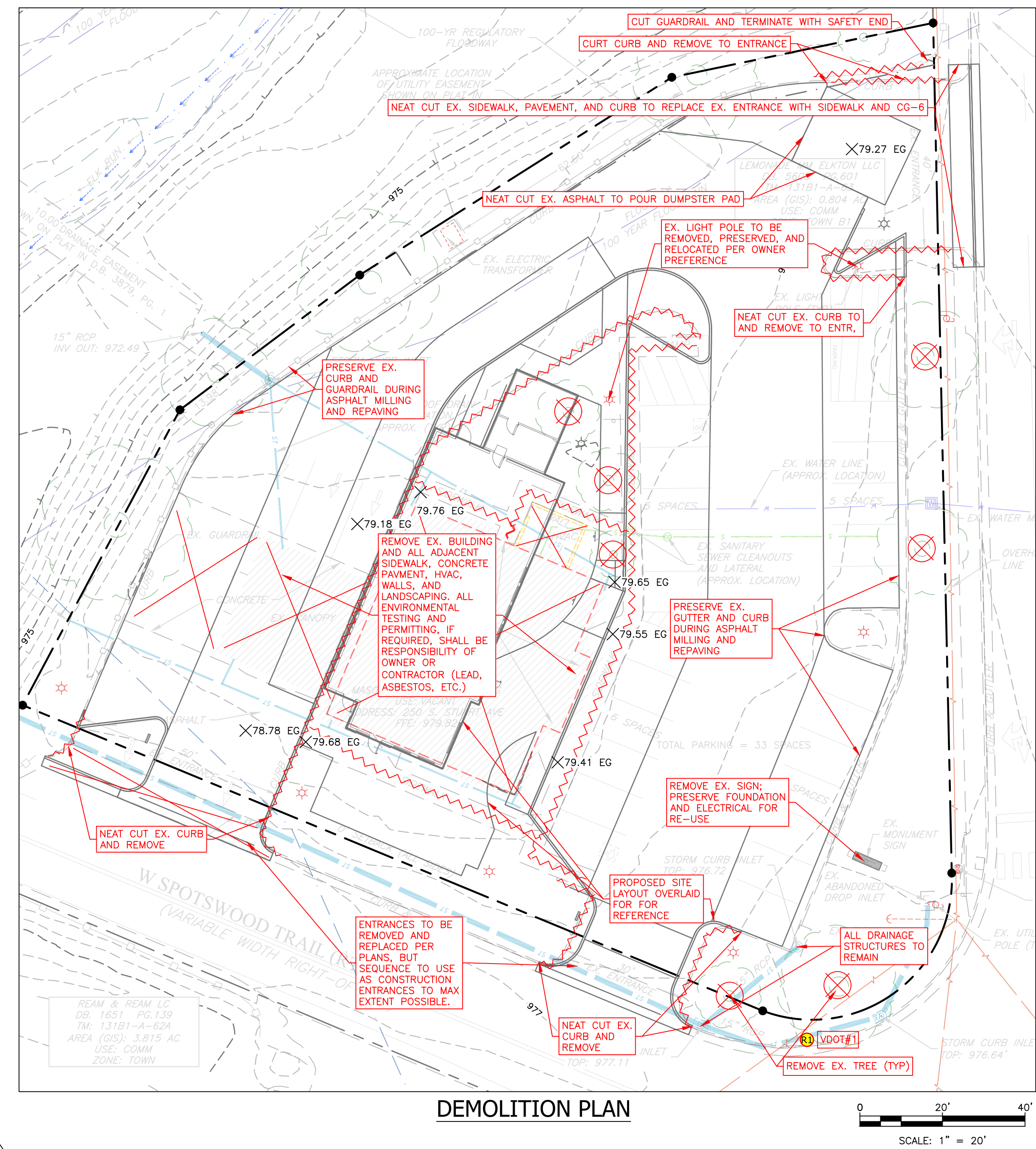
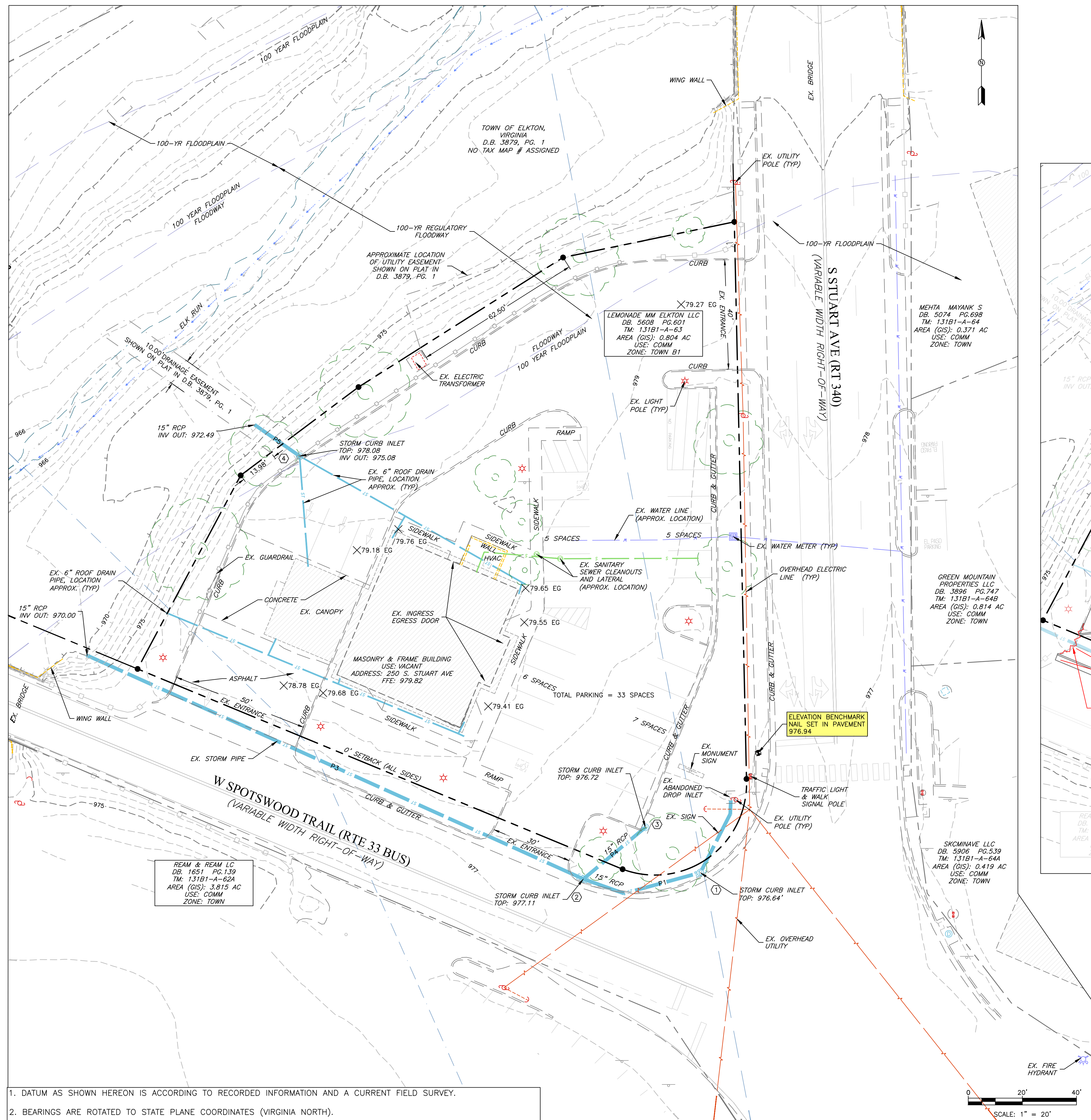
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C2

of 9 Sheets



Date: 2/10/2026

Scale: 1" = 20'

Designed by: GLC, PE

Drawn by: MMS

Reviewed by: GLC, PE

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EXISTING CONDITIONS

Stuart Ave Site Plan
Commonwealth 250, LLC
250 S Stuart Ave
Elkton, VA 22827

Project No.

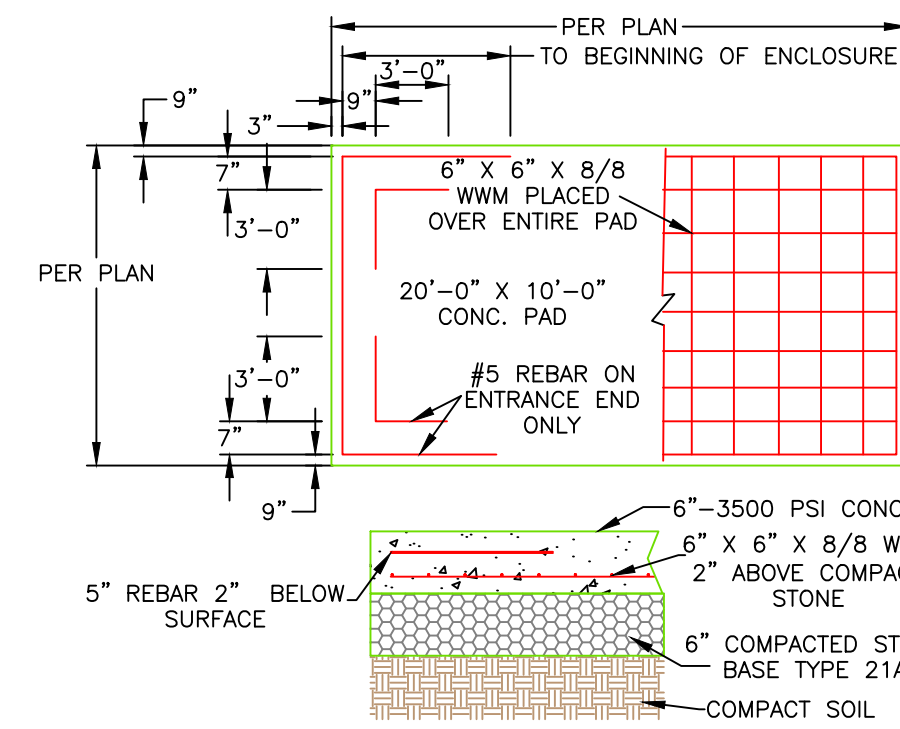
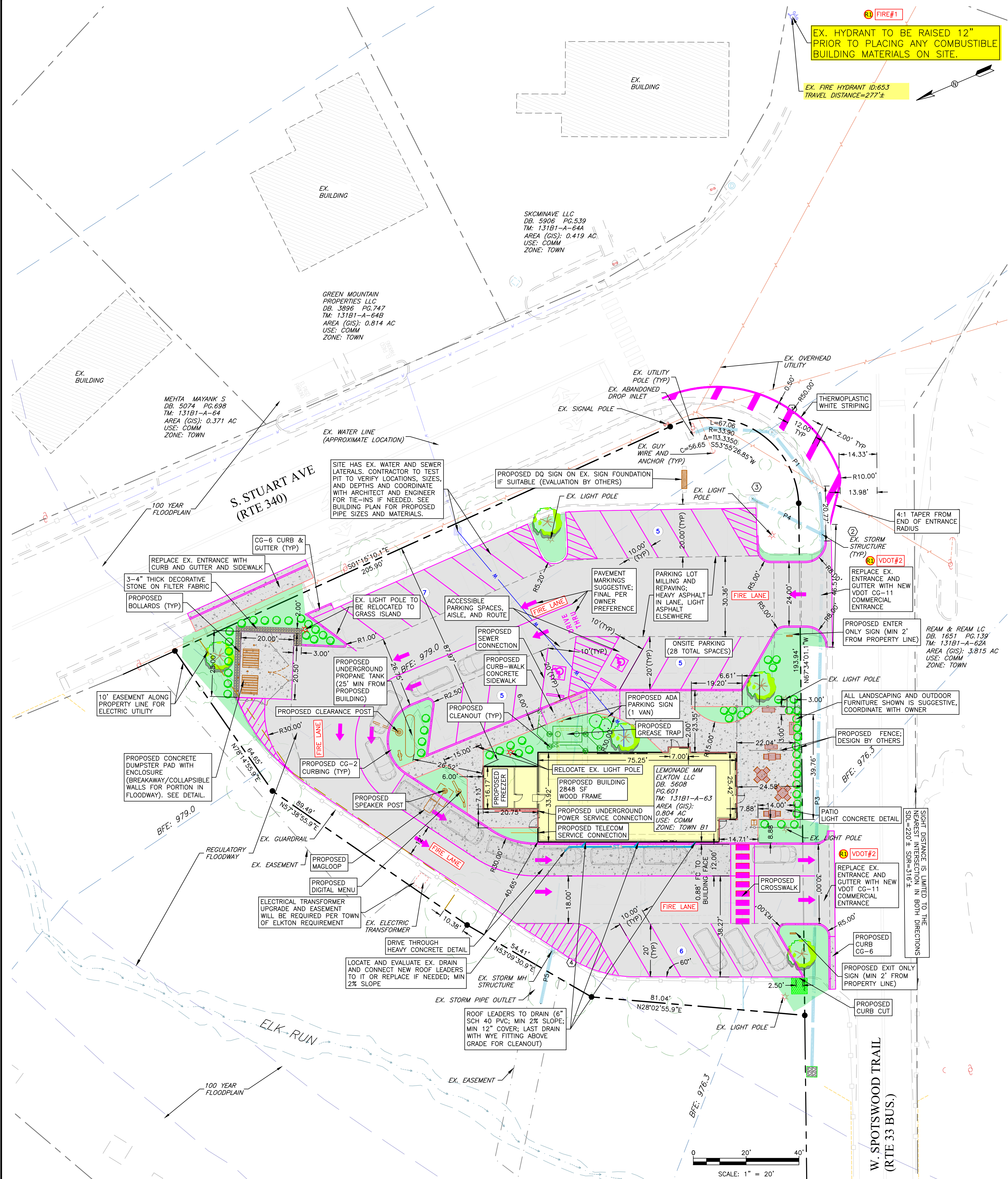
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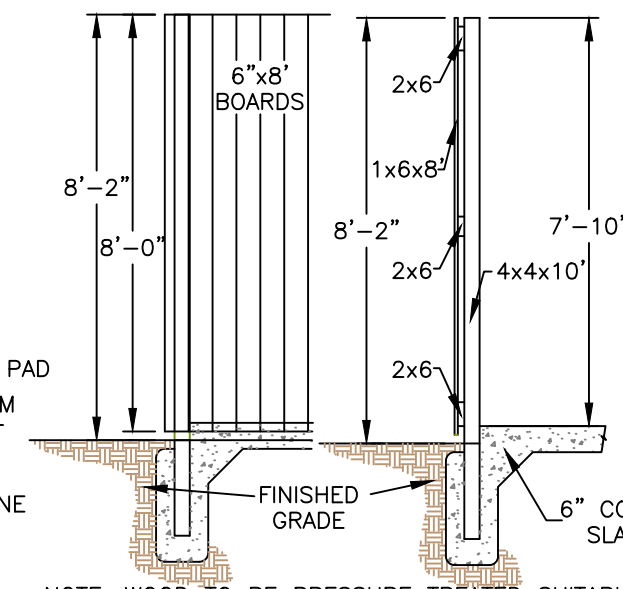
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C3

of 9 Sheets

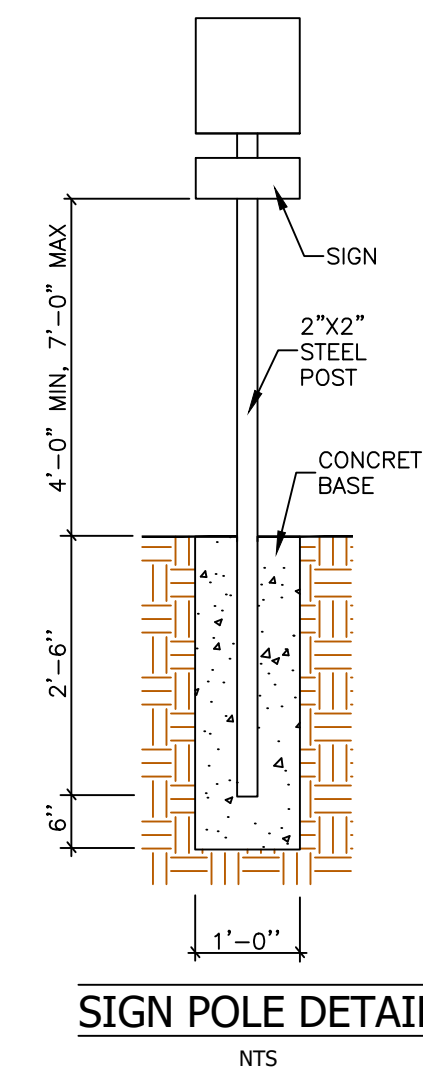


GARBAGE DUMPSTER PAD DETAIL

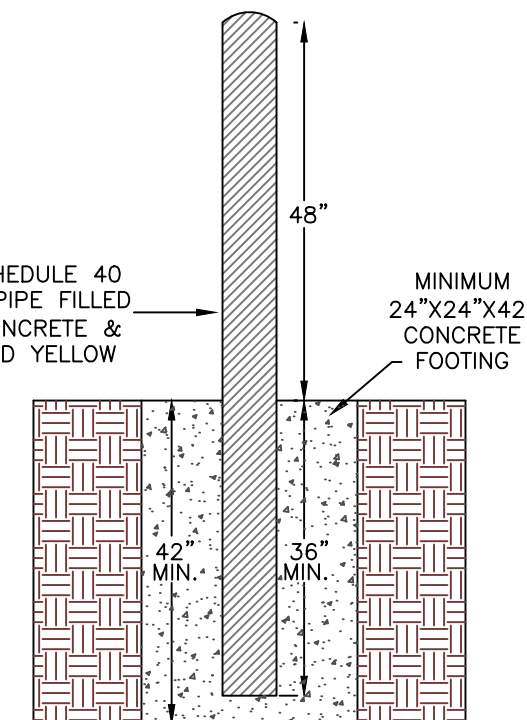
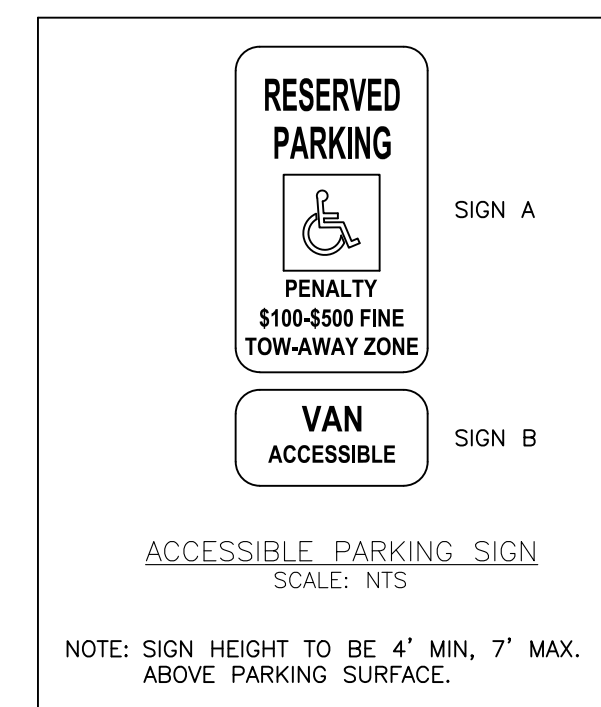


DUMPSTER SCREENING

NOTE: SCREENING DETAIL TYPICAL ARCHITECT OR OWNER DESIGN MAY BE SUBSTITUTED AND COLLAPSIBLE/BREAKAWAY FENCE IS REQUIRED IN PORTION IN FLOODWAY (DESIGN BY OTHERS).



SIGN POLE DETAIL



BOLLARD DETAIL

PARKING TABLE				
USE	UNITS	REQUIRED RATES	SPACES REQUIRED	SPACES PROVIDED
RESTAURANT: SEATS	42	1 SPACE PER 4 SEATS	10.50	-
RESTAURANT: EMPLOYEES	10	1 SPACE PER EMPLOYEE ON AVERAGE SHIFT	10.00	-
PARKING REQUIRED			21 TOTAL	28 TOTAL
ADA PARKING REQUIRED (BASED ON PROVIDED; INCLUDED IN TOTAL)			2	2

ITE TRIP GENERATION RATES					
DESCRIPTION	ITE CODE	UNIT TYPE	UNITS	SAT TOTAL	WEEKDAY TOTAL
Fast-Food Restaurant with Drive-Through Window	934	seats	54	1277	1054

Date: 2/10/2026
Scale: 1" = 20'
Designed by: GLC, PE
Drawn by: DPW
Reviewed by: GLC, PE

Revision Dates
3/19/2026 Per County

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SITE LAYOUT
250 S Stuart Ave Site Plan
Commonwealth 250, LLC
250 S Stuart Ave
Elkton, VA 22827

Project No.
CE202551

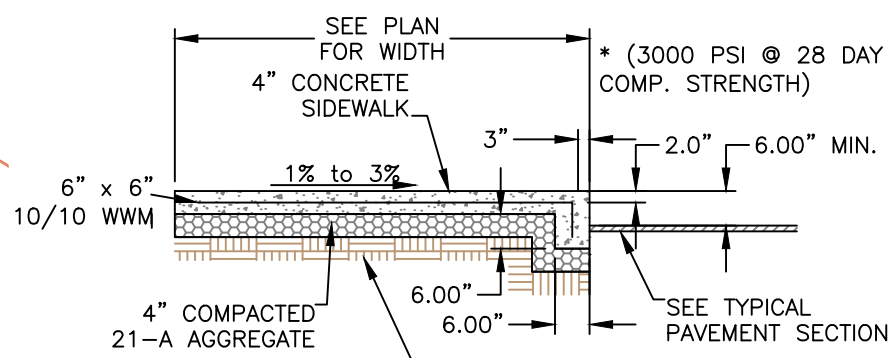
2ND SUBMITTAL

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C4
of 9 Sheets

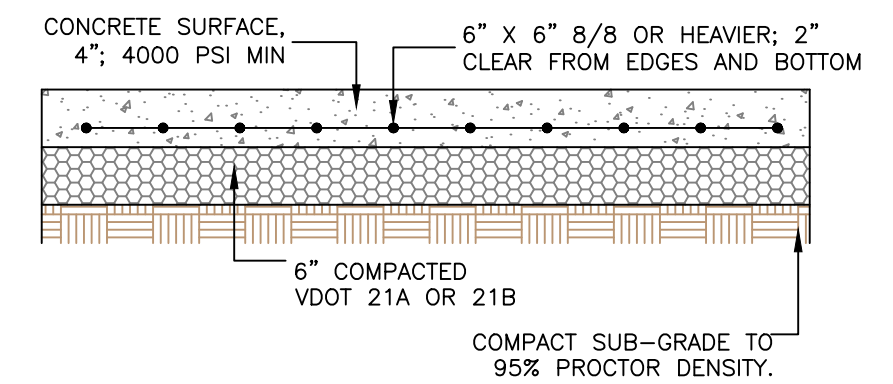
MENTA MAYANK S
DE 3074 PG.608
TM: 13181-A-64
AREA (GIS): 0.371 AC
USE: COMM
ZONE: TOWN

GRADING CUT/FILL ESTIMATE		
CUT (CY)	FILL (CY)	NET (CY)
76	102	26 FILL

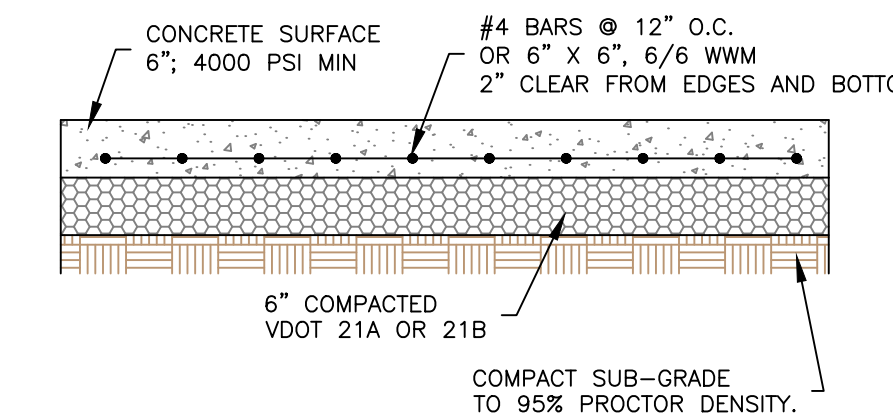
NOTE: GRADING ESTIMATE IS APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. VALUES ARE FROM TOP SURFACE OF EXISTING GRADE TO TOP SURFACE OF FINISHED GRADE, INCLUDING BUILDING FFE AND PAVEMENT. QUANTITIES DO NOT ACCOUNT FOR VOLUMES OF TOPSOIL, STRIPPING OR SPREADING, PAVEMENT LAYERS, BUILDING SLAB THICKNESS, ETC.



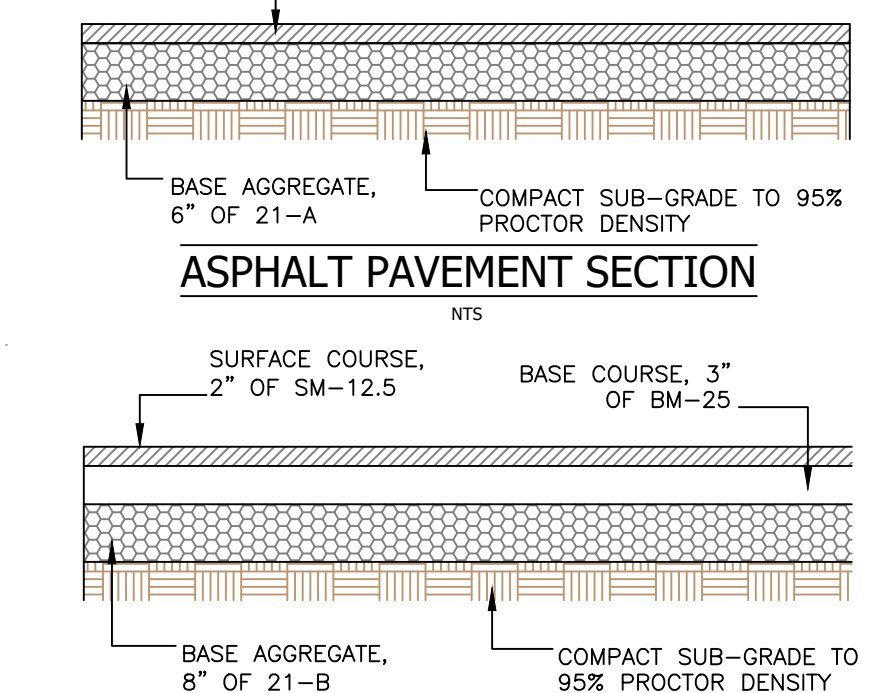
CURB-WALK DETAIL



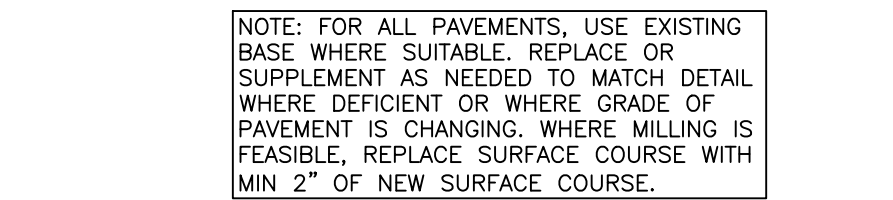
LIGHT CONCRETE SECTION



HEAVY CONCRETE SECTION

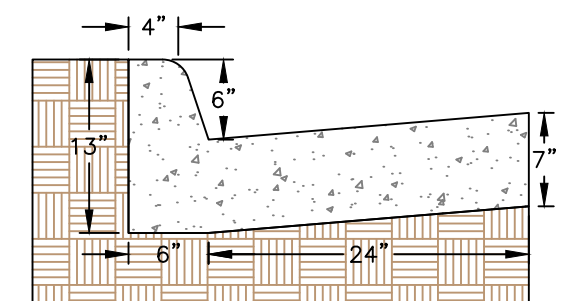


ASPHALT PAVEMENT SECTION

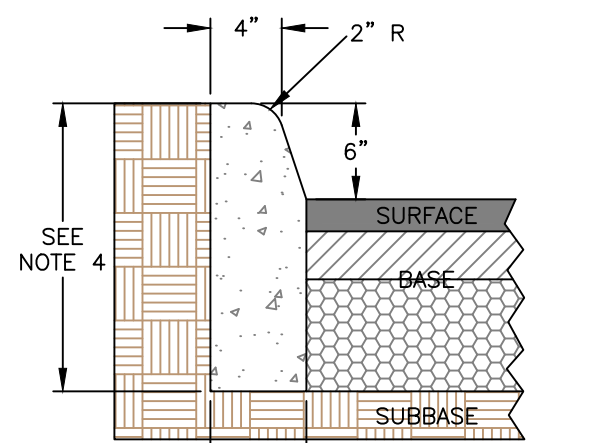


HEAVY PAVEMENT SECTION

NOTE: FOR ALL PAVEMENTS, USE EXISTING BASE WHERE SUITABLE, REPLACE OR SUPPLEMENT AS NEEDED TO MATCH DETAIL WHERE DEFICIENT OR WHERE GRADE OF PAVEMENT IS CHANGING. WHERE MILLING IS FEASIBLE, REPLACE SURFACE COURSE WITH MIN 2" OF NEW SURFACE COURSE.



CURB & GUTTER (CG-6)



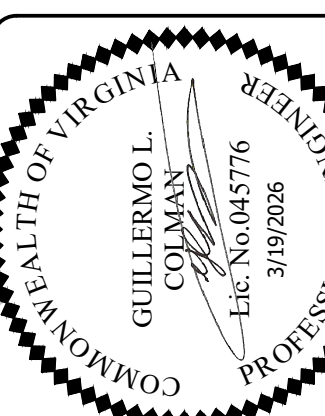
CG-2 CURB DETAIL

Date: 2/10/2026
Scale: 1" = 10'
Designed by: GLC, PE
Drawn by: DPW
Reviewed by: GLC, PE

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3/19/2026 Per County

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GRADING

250 S Stuart Ave Site Plan
Commonwealth 250, LLC
250 S Stuart Ave
Elkton, VA 22827

Project No.

CE202551

2ND SUBMITTAL

Sheet

C5

of 9 Sheets

S. STUART AVE (RTE 340)

REPLACE EX. ENTRANCE GUTTER WITH CG-6 AND SIDEWALK. MATCH EX. GRADE AT GUTTER, CURB, AND EDGE OF ROAD PAVEMENT. 2% CROSS SLOPE ON SIDEWALK TO DRAIN TO GUTTER.

REMOVE EX. PAVEMENT AND BASE LAYERS AND REPLACE WITH SOIL AND 6" TOPSOIL. GRADE TO DRAIN AWAY FROM DUMPSTER PAD TO POINT OF TIE IN (END OF GREEN HATCH)

PRESERVE EX. CURB AND GUARD RAIL TO THIS POINT. DEMOLISH PORTION BEYOND TOWARD STUART ST. SEE DEMO PLAN.

CURB TAPER TO 0' OVER 1.5'. GAP IN CURB FOR DUMPSTER GATE SWING

MILL EX. ASPHALT. RE-USE EX. BASE LAYERS IF SUITABLE AND REPLACE/SUPPLEMENT IF NOT OR TO BRING TO GRADE FOR NEW PAVEMENT
LIGHT ASPHALT DETAIL EVERYWHERE EXCEPT DRIVE LANES AND CONCRETE

ACCESSIBLE SPACES AND AISLE. MAX 2% SLOPE IN ANY DIRECTION.

EX. CO - ADJUST TOP TO FINISHED GRADE

CURB RAMP WITH DETECTABLE WARNING SURFACE

EXTENT OF HEAVY ASPHALT PAVEMENT (TYP)

CURB-WALK DETAIL FOR SIDEWALKS AND LIGHT CONCRETE DETAIL FOR PATIO; CONTROL JOINTS EVERY 5'; EXPANSION JOINTS AT BUILDING AND EVERY 15-20'

ELEVATION OF GRADE; FINAL ELEVATION OF LIDS FOR GREASE TRAP PER MANUFACTURER INSTRUCTIONS

LEMONADE MM ELKTON LLC
DB: 5608 PG.601
TM: 13181-A-63
AREA (GIS): 0.804 AC
USE: COMM
ZONE: TOWN B1

PROPOSED BUILDING
FFE 980.00

DRIVEWAY GRADE AT DRIVE-THROUGH WINDOW MAX 6" BELOW BUILDING FFE

HEAVY CONCRETE DETAIL FOR DRIVE THROUGH LANE; CONTROL JOINTS EVERY 12'; EXPANSION JOINTS BETWEEN BUILDING AND CURB AND EVERY 36'

PRESERVE EX. CURB AND GUARD RAIL. MEET EX. GRADE OR 6" BELOW TBC FOR NEW ASPHALT MILL AND RE-PAVE

ELEVATION OF GRADE; FINAL ELEVATION OF CLEARANCE BAR AND SIGN PER OWNER SPECIFICATION

ELEVATION OF GRADE; FINAL ELEVATION OF CLEARANCE BAR AND SIGN PER OWNER SPECIFICATION

GENERAL NOTES

- WHEN USED IN CONJUNCTION WITH STANDARD CG-3 CONNECTION, THE CURB RAMP ON THIS STANDARD IS TO BE ADJUSTED TO MATCH THE MOUNTABLE CURB CONFIGURATION
- SEE STANDARD CG-10 FOR CURB RAMP DESIGN TO BE USED WITH THIS STANDARD
- MAINLINE PAVEMENT SHALL BE CONSTRUCTED TO THE 10' W LINE (EXCEPT ANY SUBGRADE STABILIZATION REQUIRED FOR MAINLINE PAVEMENT WHICH CAN BE OMITTED IN THE ENTRANCE)
- RADIAL CURB OR COMBINATION CURB AND GUTTER SHALL NOT BE CONSTRUCTED BEYOND THE R/W LINE EXCEPT FOR REPAIRMENT PURPOSES
- WHEN THE ENTRANCE RAMP CANNOT ACCOMMODATE THE TURNING REQUIREMENTS OF ANTICIPATED HEAVY TRUCK TRAFFIC, THE DEPTH FOR SIDEWALK & CURB RAMP WITHIN THE LIMITS OF THE R/W SHOULD BE INCREASED TO 7'. (SEE CG-13)
- PLANS ARE TO INDICATE WHEN CONSTRUCTION OF A FLOW LINE IS REQUIRED TO PROVIDE POSITIVE DRAINAGE ACROSS THE ENTRANCE
- THE DESIRABLE AND MAXIMUM ENTRANCE GRADE CHANGES (10') ARE LISTED IN THE ALLOWABLE ENTRANCE GRADE TABLE. THESE VALUES ARE NOT APPLICABLE TO STREET CONNECTIONS
- WHEN CG-11 IS USED FOR STREET CONNECTIONS, THE CONNECTION MUST BE DESIGNED IN ACCORDANCE WITH ASHOTO POLICY AND THE APPLICABLE REQUIREMENTS OF THE VDOT ROAD DESIGN MANUAL INCLUDING STOPPING SIGHT DISTANCE AND K VALUE REQUIREMENTS
- OPTIONAL FLOWLINE MAY REQUIRE WARNING OF A PORTION OF GUTTER TO PROVIDE POSITIVE DRAINAGE ACROSS THE INTERSECTION

ENTRANCE NOTES

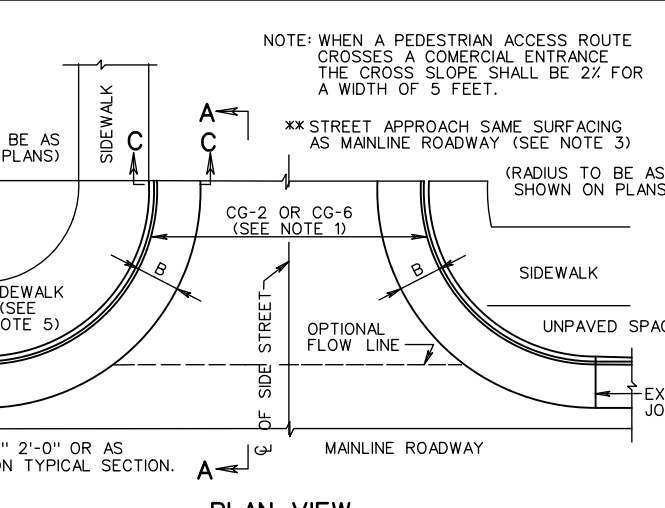
- WHEN CG-11 IS USED FOR STREET CONNECTIONS, THE CONNECTION MUST BE DESIGNED IN ACCORDANCE WITH ASHOTO POLICY AND THE APPLICABLE REQUIREMENTS OF THE VDOT ROAD DESIGN MANUAL INCLUDING STOPPING SIGHT DISTANCE AND K VALUE REQUIREMENTS
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ALLOWABLE ENTRANCE GRADE CHANGES

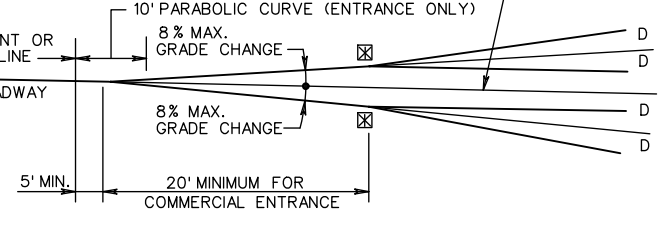
ENTRANCE VOLUME	GRADE CHANGE	
	DESIRABLE	MAXIMUM
HIGH MORE THAN 1500 VPD	0%	3%
MEDIUM 500-1500 VPD	≤ 3%	6%
LOW LESS THAN 500 VPD	≤ 3%	8%

NOTE: ALLOWABLE ENTRANCE GRADE TABLE IS NOT APPLICABLE TO STREET CONNECTIONS

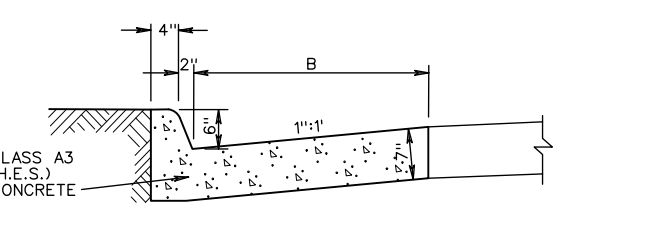
2016 ROAD & BRIDGE STANDARDS



PLAN VIEW



SECTION A - A



SECTION C - C

METHOD OF TREATMENT
(CONNECTION FOR STREET INTERSECTIONS AND COMMERCIAL ENTRANCES)

VIROGINA DEPARTMENT OF TRANSPORTATION

ROAD AND BRIDGE STANDARDS	
REVISION DATE	SHEET 1 OF 1
07/15	203.04

E&SC LEGEND

#X	SOIL TYPE
###	EXISTING CONTOURS
###	PROPOSED CONTOURS
---	PROPOSED DITCH OR SWALE
+ ###	PROPOSED SPOT ELEVATION
---	EXISTING DRAINAGE FLOW
---	PROPOSED DRAINAGE FLOW
CE	CONSTRUCTION ENTRANCE (C-SCM-03)
CR	CONSTRUCTION ROAD STABILIZATION (C-SCM-02)
IF	SILT FENCE (C-PCM-04)
IP	INLET PROTECTION (C-SCM-04)
CI	CULVERT INLET PROTECTION (C-SCM-05)
DI	DIVERSION DIKE (C-ECM-04)
TFD	TEMPORARY FILL DIVERSION (C-ECM-04)
RWD	RIGHT OF WAY DIVERSION (C-ECM-07)
ST	SEDIMENT TRAP (C-SCM-11)
SB	SEDIMENT BASIN (C-SCM-12)
PF	PAVED FLUME (C-ECM-11)
OP	OUTLET PROTECTION (C-ECM-15)
RCD	ROCK CHECK DAMS (C-SCM-07)
LS	LEVEL SPREADER (C-ECM-14)
TS	TOPSOILING (C-SSM-02)
TS	TEMPORARY SEEDING (C-SSM-09)
PS	PERMANENT SEEDING (C-SSM-10)
SD	SODDING (C-SSM-06)
ML	MULCHING (C-SSM-11)
SL	SOIL STABILIZATION BLANKETS AND MATING (C-SSM-05)
DC	DUST CONTROL (C-SCM-01)
DA	DISTURBED AREA

NOTE:
FOR THE PURPOSES OF PLAN REVIEW AND APPROVAL, GIL COLMAN, P.E. IS THE CERTIFIED RESPONSIBLE LAND DISTURBER (CRLD). CONTRACTOR SHALL PROVIDE REPLACEMENT CERTIFICATE AT TIME OF CONSTRUCTION TO THE CITY E&SC ADMINISTRATOR.

NOTE:
CONTRACTOR TO PROVIDE A CERTIFIED RESPONSIBLE LAND DISTURBER UPON PERMIT REQUEST FROM COUNTY E&SC ADMINISTRATOR.

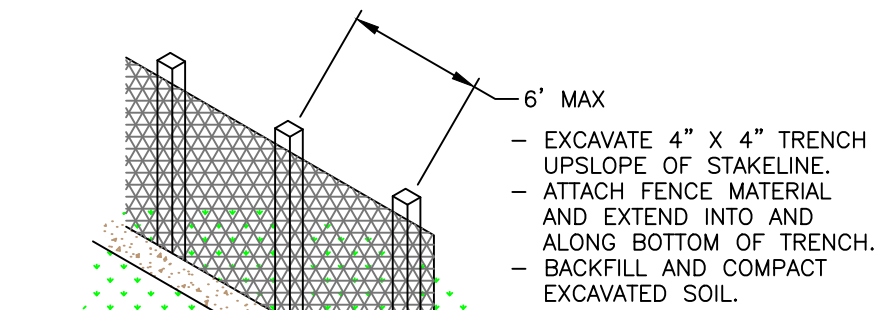
CRLD FOR THIS PROJECT IS:

NAME: _____

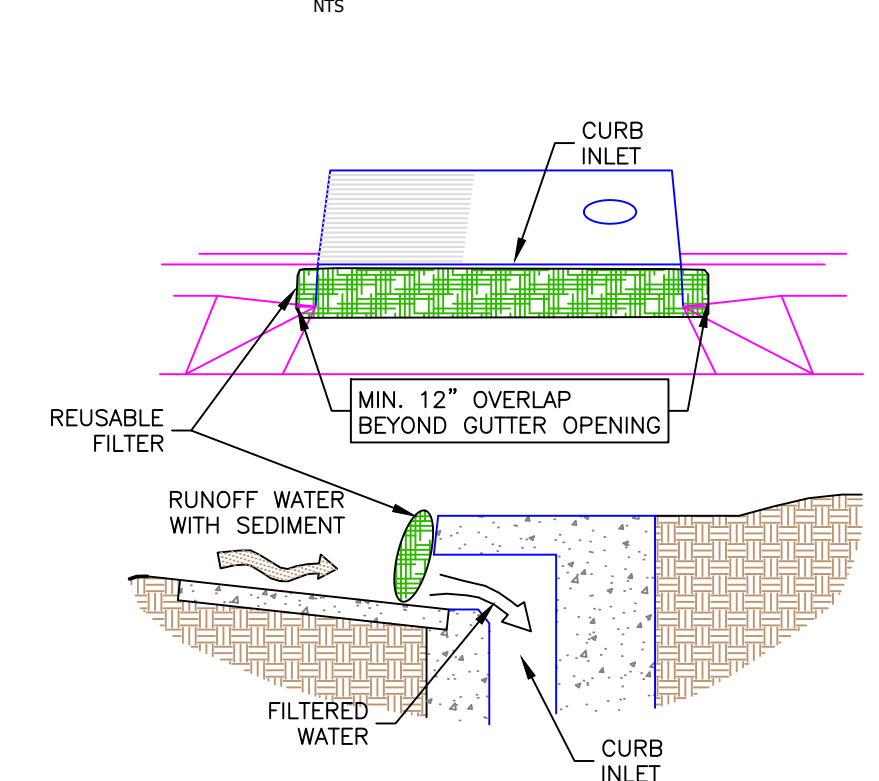
CERT.# _____



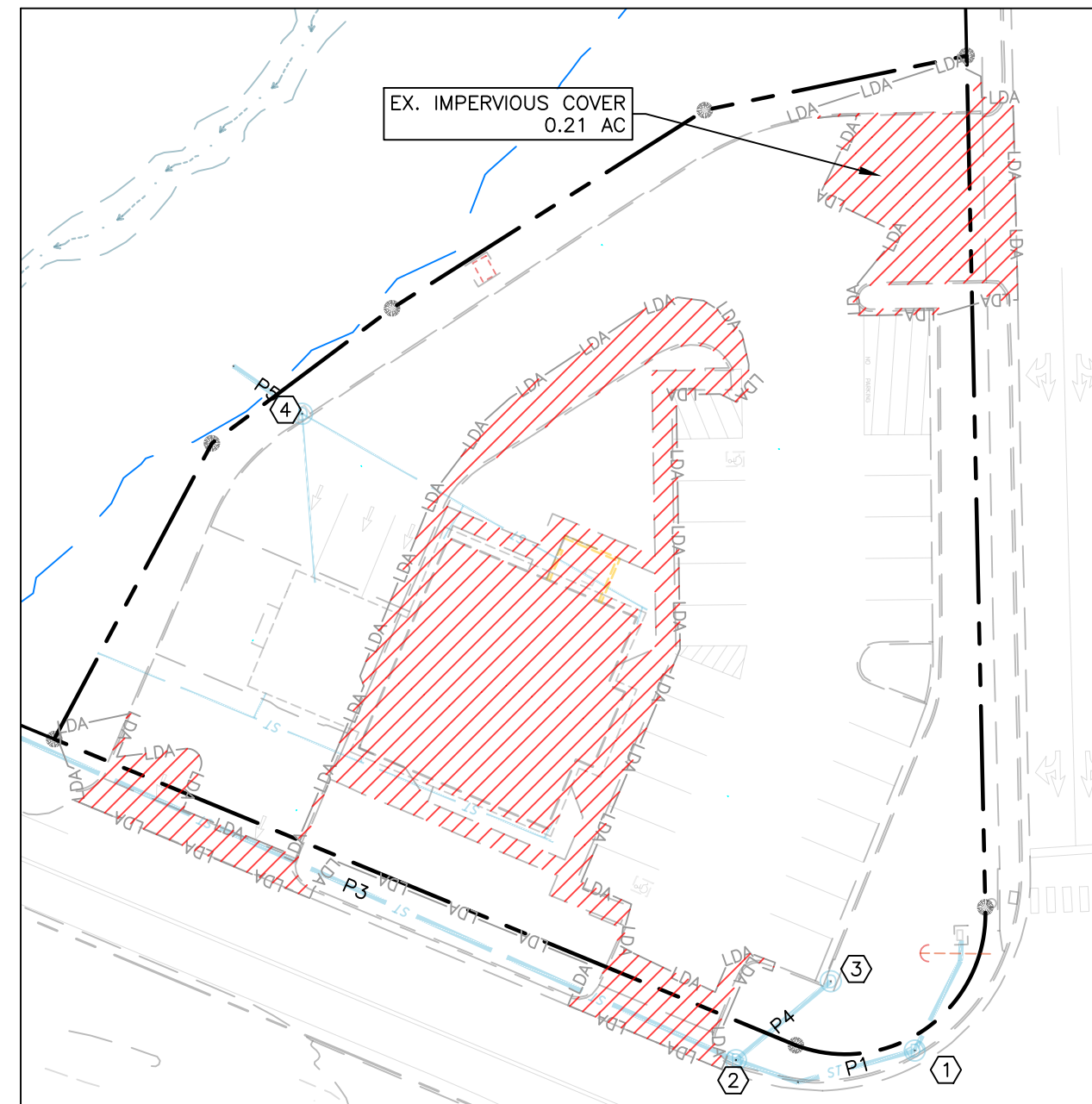
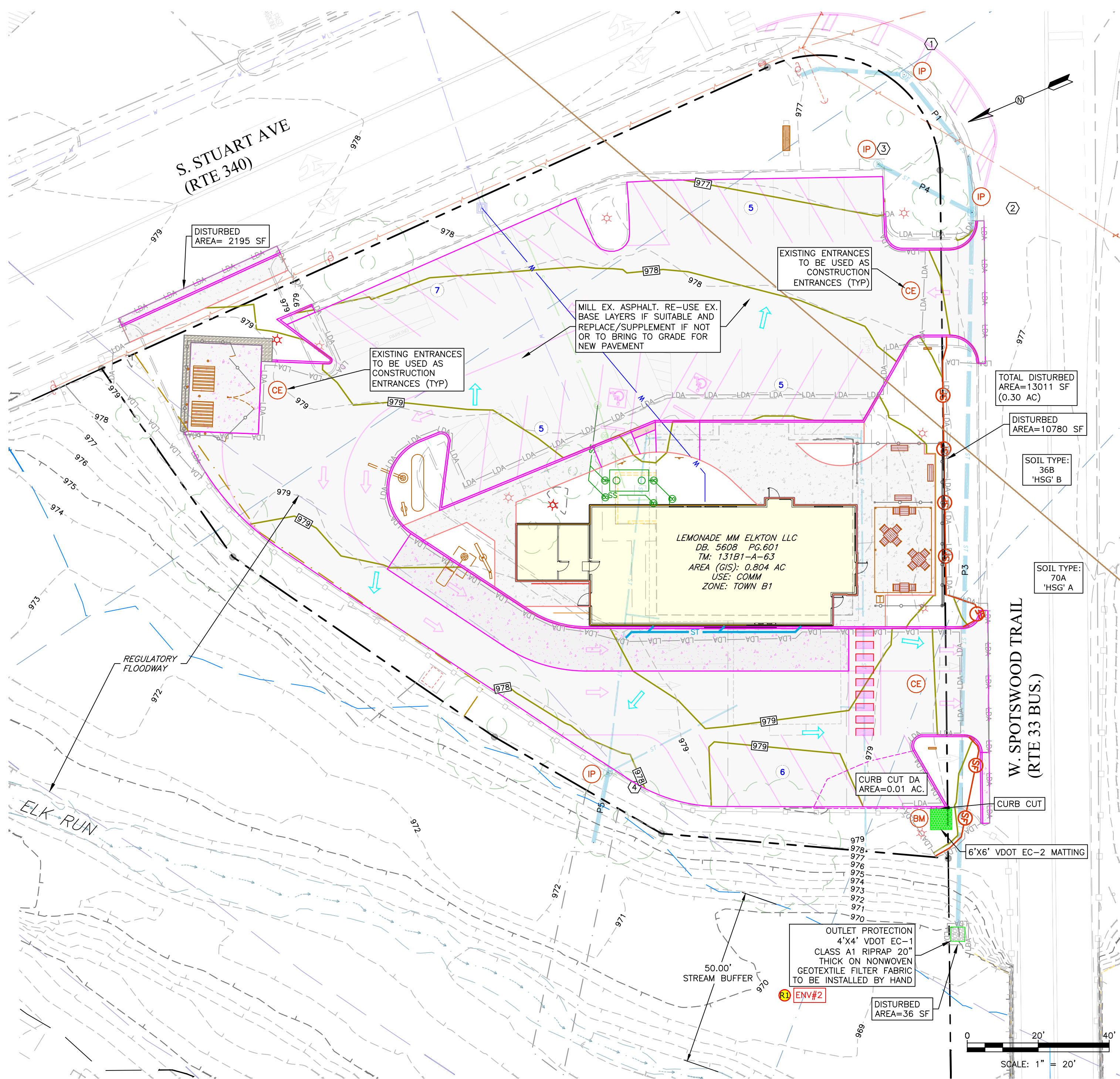
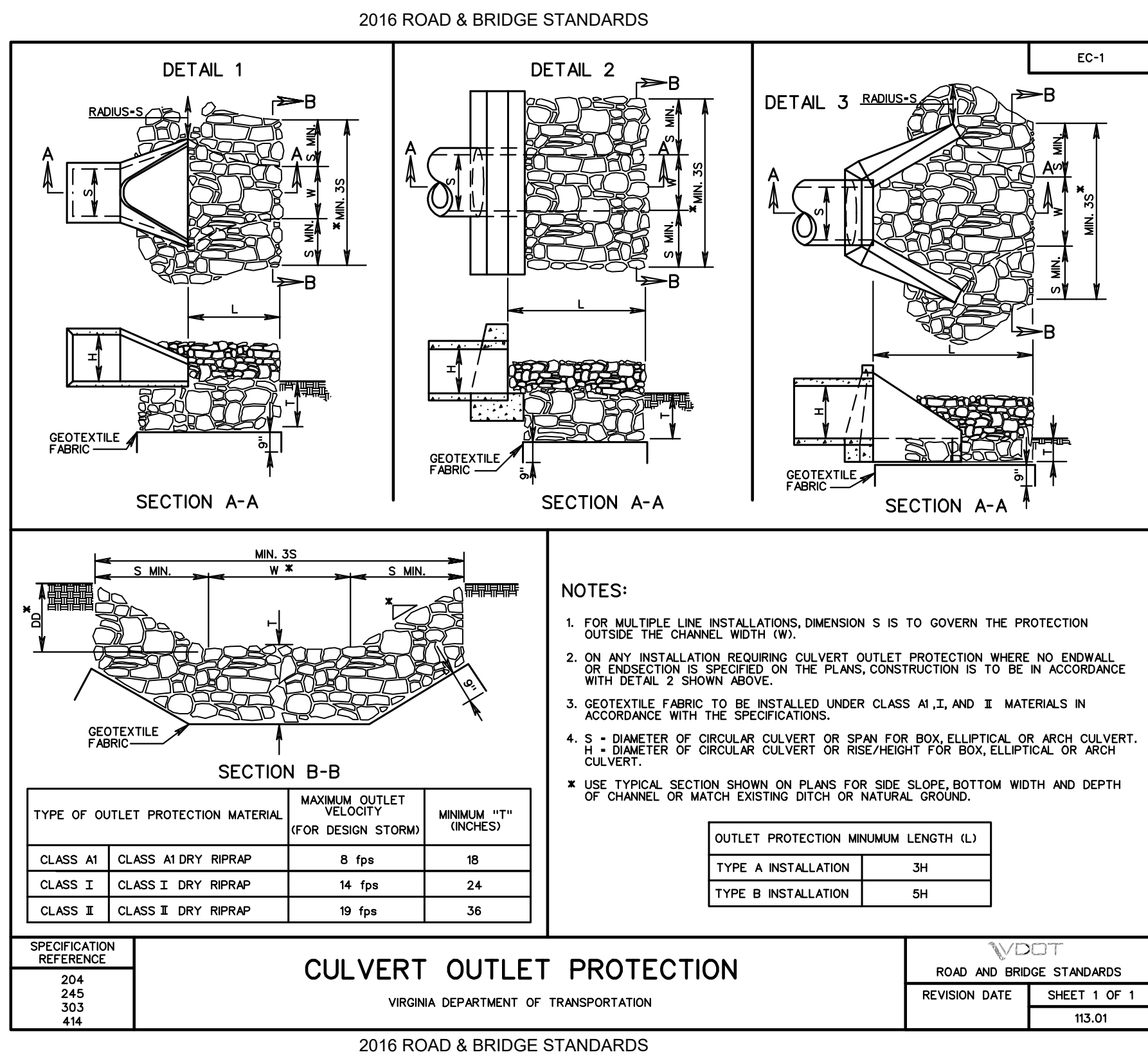
**BEFORE YOU DIG CALL
MISS UTILITY
1-800-552-7001**



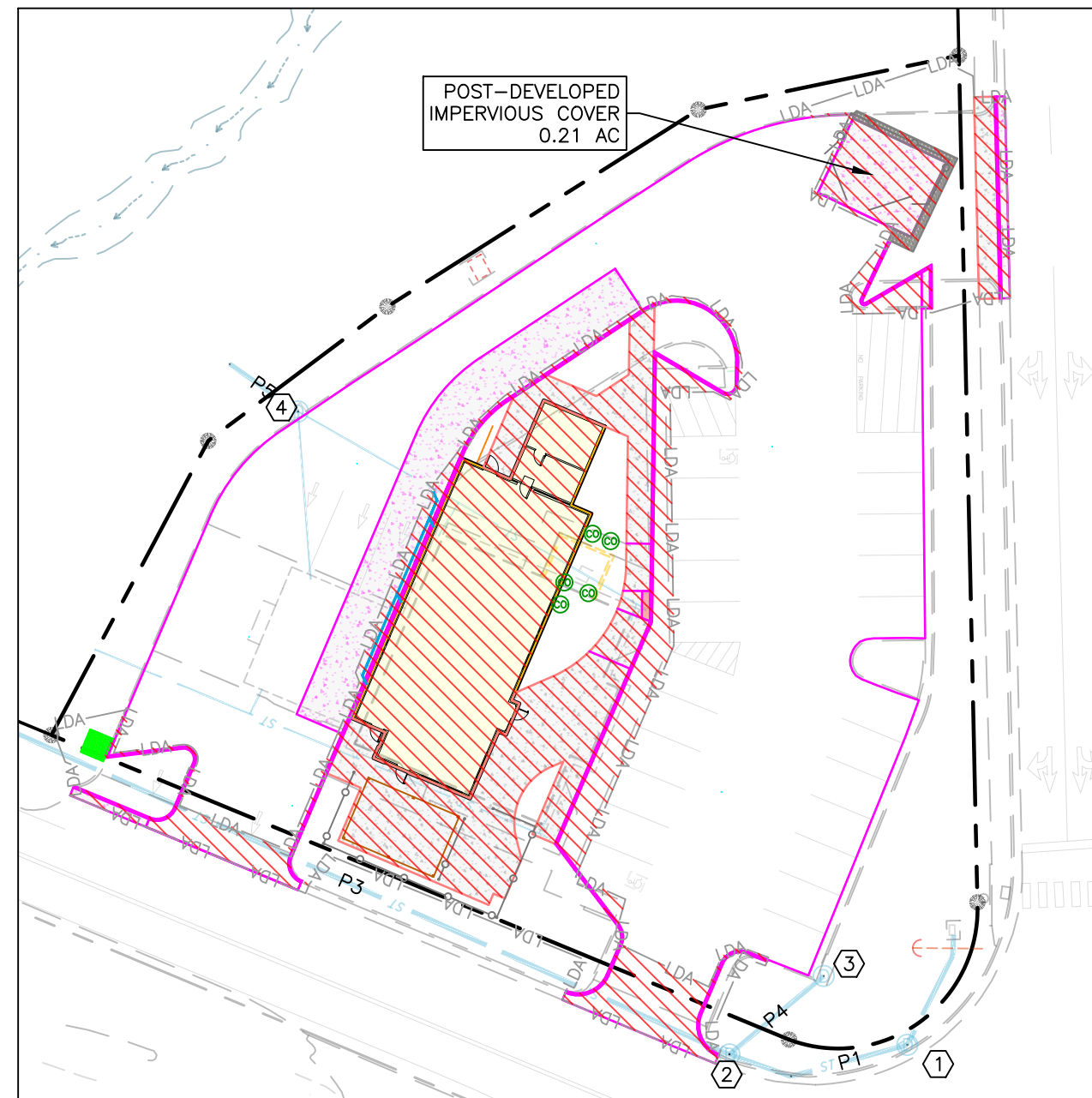
**SILT FENCE
(SHEET FLOW PROTECTION)**



**DROP INLET PROTECTION (GUTTERGATOR™
OR GUTTERBUDDY™)**



PRE-DEVELOPED IMPERVIOUS COVER
1" = 40'



POST-DEVELOPED IMPERVIOUS COVER
1" = 40'

Date: 2/10/2026

Scale: 1" = 20'

Designed by: GLC, PE

Drawn by: GDS

Reviewed by: GLC, PE

Revision Dates

3/19/2026 Per County

EROSION & SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION

The purpose of this project is to develop the site located at 250 Stuart Ave. Elkton, Virginia, TM#131B1-A-63. Improvements include resurfacing and reconfiguring the parking area and the construction of a new building to replace the existing. Regrading and resurfacing of the lot will take place in and around the proposed site improvements. A total of 0.30 acres will be disturbed during construction. The site is located in the Hydrologic Unit Code Watershed PS35 South Fork Shenandoah River-Elk Run-Boone Run. The pollutant of concern for PS35 is E. coli.

EXISTING SITE CONDITIONS

The site currently has a small building with associated structures and utilities as well entrances to Route 340 and Route 33. A portion of the site drains toward the south west at 3.75% via overland flow to an existing storm inlet, and the remaining portion drains to the south east at 2-3% via overland flow to an existing storm inlet.

ADJACENT PROPERTY

The site is bordered to the north by property owned by the Town of Elkton.

OFF-SITE AREA

Off-site areas may be necessary for this project. Any off-site area used for fill or borrowed material shall have an approved and active erosion control plan. Proof of such plan must be submitted to the erosion and sediment control administrator.

SOILS

The soils on the site is approximately 88.7% 70A, 11.3% 36B.

(70A): Typic Udorthents, nearly level. These soils are deep and well drained. They are on flood plains adjacent to small streams. The soils have rapid permeability and low available water capacity. Runoff is slow, and the soils are occasionally flooded.

(36B): Hawkbill cobbly loam, 2 to 7 % slopes. This soil is gently sloping and well drained. It is on low terraces adjacent to the flood plains of the major streams between the South Fork of the Shenandoah River and the Blue Ridge Mountains. Also included are small wet spots and very cobbly and very gravelly deposits. Typically, the surface layer is dark brown cobbly loam about 9 inches thick. The subsoil is dark brown very cobbly clay loam 27 inches thick. The substratum is brown very cobbly clay loam to a depth of 60 inches or more. The permeability of this Hawkbill soil is moderate, and the available water capacity is low. The soil is high in natural fertility and moderately low in organic matter content. The subsoil has a moderate shrink-swell potential. Depth to bedrock is at least 60 inches. K=0.17.

CRITICAL EROSION AREAS

The curb cut outlet to the south east of the site is the only critical erosion area. If measures are installed correctly and maintained, no erosion should occur in this area.

EROSION & SEDIMENT CONTROL MEASURES

Unless otherwise indicated, all vegetative and structural erosion and sediment control practices shall be constructed and maintained according to the Virginia Stormwater Management Handbook, Latest Edition. The Minimum Standards of the handbook shall be adhered to unless otherwise waived or approved by a variance.

EROSION AND SEDIMENT CONTROL MEASURES (TO BE INSTALLED PER VSM#)

- C-PCM-04 SILT FENCE
Silt fence is a temporary sediment barrier consisting of synthetic filter fabric entrenched and stretched across and attached to supporting posts.
Operations and Maintenance: Inspect silt fences weekly and after each significant rainfall. Remove sediment when it accumulates to half the height of the fence. Repair or replace damaged sections promptly.
- C-SCM-04 INLET PROTECTION
Inlet protection is a sediment filter or an excavated impounding area around a storm drain drop inlet or curb inlet.
Operations and Maintenance: Inspect inlet protection devices twice weekly and after significant rainfall events. Remove sediment when accumulated to 2-3 inches and replace clogged filter fabric as necessary.
- C-ECM-15 OUTLET PROTECTION
Outlet protection is a measure designed to prevent erosion at stormwater outlets by dissipating flow energy.
Operations and Maintenance: Inspect outlet protection measures regularly and after major storm events. Remove debris, repair displaced materials, and ensure proper functionality of the energy dissipation features.
- C-SSM-02 TOPSOILING
Topsoiling is the practice of applying a layer of fertile soil to an area to improve conditions for the establishment of vegetation.
Operations and Maintenance: After applying topsoil, inspect areas for erosion or compaction. Apply stabilization measures to areas that remain dormant for 7 days after topsoil has been spread.
- C-SSM-09 TEMPORARY SEEDING
Temporary seeding is the planting of fast-growing grass or legumes to provide short-term soil stabilization.
Operations and Maintenance: Inspect seeded areas after rainfall and reseed any areas where germination has failed. Remove weeds that compete with the desired vegetation.
- C-SSM-10 PERMANENT SEEDING
Permanent seeding establishes long-term vegetative cover to stabilize soil and prevent erosion.
Operations and Maintenance: Water and fertilize as needed during the establishment period. Inspect regularly for signs of erosion or bare spots and reseed if necessary.

7. C-SSM-11 MULCHING

Mulching involves the application of organic or inorganic materials to the soil surface to conserve moisture, reduce erosion, and suppress weeds.

Operations and Maintenance: Inspect mulch layers regularly and replace any that are washed away or decomposed. Maintain an even coverage to ensure effectiveness.

OTHER MEASURES SHALL BE PROVIDED IF DETERMINED BY THE ENGINEER OR THE VSM# EROSION AND SEDIMENT CONTROL ADMINISTRATOR

MANAGEMENT STRATEGIES

- Sediment trapping measures to be installed prior to any excavation on site.
- Construction will be sequenced so that existing cover will not be disturbed anymore than necessary.
- Construction will be sequenced so that grading operations can begin and end as quickly as possible.
- Temporary seeding or other stabilization will follow immediately after grading.
- Areas, which are to be disturbed, will be clearly marked by flags, signs, etc.
- The job superintendent shall be responsible for the installation and maintenance of all erosion and sediment control practices.
- After achieving adequate stabilization to the satisfaction of the E&SC administrator, the temporary E&S controls will be cleaned up.

PERMANENT STABILIZATION

All non-impervious areas remaining shall be permanently seeded per specifications, or mulched and vegetated, as it is the case of landscaping areas where shrubs and trees will be planted.

STORMWATER MANAGEMENT

The proposed development of the site will not change the total impervious area within the disturbed area. The disturbed area will be 0.30 acres in size. Therefore, this project is not subject to the water quality portion (9VAC25-875-590) of the Stormwater Management Requirements. The water quantity portion (9VAC25-875-600) of the Stormwater Management Regulations are met as follows.

Channel Protection

Per 9VAC25-875-600.B.1.a., concentrated stormwater flow is released into existing manmade stormwater conveyance systems (inlets and pipes that discharge to Elk Run). These concrete pipe and gutter systems convey the post-development peak flow rate from the two-year 24-hour storm event without causing erosion of the system. The entire systems are in the 100-yr flood plain, so the point of analysis were the ends of the pipes.

Flood Protection

Per 9VAC25-875-600.C.1, concentrated stormwater flow is released to existing manmade stormwater conveyance systems (inlets and pipes that discharge to Elk Run) that currently do not experience localized flooding during the 10-year 24-hour storm event. The stormwater conveyance system contains the 10-year 24-hour storm event runoff without flooding in the post-developed condition. The points of discharge (pipe outlets) release stormwater into Elk Run, and the entire site and discharge points are in the 100-yr floodplain, so the points of analysis were the ends of the pipes.

EROSION & SEDIMENT CONTROL NOTES

ES-1: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS. (1996 REVISIONS)

ES-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

ES-3: SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND ANY OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCES TAKE PLACE.

ES-4: STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

ES-5: A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN INCLUDING THE NARRATIVE SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

ES-6: PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.

ES-7: THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.

ES-8: ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.

ES-9: DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.

ES-10: THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

ES-11: PERMANENT OR TEMPORARY SOIL STABILIZATIONS SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE A FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED FOR LONGER THAN 30 DAYS). PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.

ES-12: A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.

ES-13: DURING CONSTRUCTION OF THE PROJECT SOIL STOCK PILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES.

ES-14: CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OR PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.

ES-15: ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.

ES-16: BEFORE NEWLY CONSTRUCTED STORM WATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONS, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.

ES-17: WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS.

ES-18: WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN A SIX-MONTH PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIAL SHALL BE PROVIDED.

ES-19: THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETE.

ES-20: UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OF OFF-SITE PROPERTY.

D. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
E. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
F. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

ES-21: WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROAD BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.

ES-22: ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM ADMINISTRATOR. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

Sheet Flow

9VAC25-875-600 D addresses post-development runoff that is discharged as sheet flow. The portion of site runoff that discharges through a proposed curb cut is sheet flow. The velocity of flow through the curb cut is less than 1 foot per second and the depth of flow is less than 0.1 feet for the 10-Year 24-hour storm event. The runoff discharges into the 100-year flood plain on the bank of Elk Run, and the quantity and velocity of flow will not cause downstream erosion, sedimentation, or flooding. As per 9VAC25-875-600 D, if all runoff from the site is sheet flow and the conditions of this subsection are met, no further water quantity controls are required.

Date: 2/10/2026

Scale: None

Designed by: GLC, PE

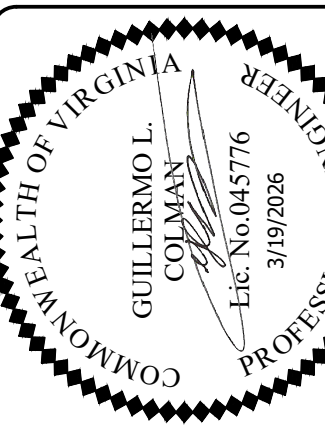
Drawn by: GDS

Reviewed by: GLC, PE

Revision Dates

3/19/2026 Per County

COLUMAN ENGINEERING
1123 South High Street | Harrisonburg, VA 22801 | Ph: (540) 246-3712
Email: contact@colmanengineering.com | www.colmanengineering.com



CONSTRUCTION SEQUENCE/SCHEDULE

- Obtain plan approval and other applicable permits.
- Hold pre-construction conference at least one week prior to starting construction activities.
- Phase 1:** Install elements in the following sequence:
 - Install silt fence and inlet protection on existing inlets as shown on the plans
 - Begin demolition of building/milling of pavement
 - Begin construction of building/hard surfaces
 - Stabilize all denuded areas
- Topsoil shall be stripped in areas to be graded and shall be stockpiled upstream from sediment control measures, or as indicated on the plans.
- Construction shall be sequenced so that grading operations can begin and end as quickly as possible.
- As necessary grading occurs, all denuded areas shall be stabilized to prevent sediment transport.
- Permanent stabilization of the site shall occur immediately following final grading and final construction operations.
- Construction of the Stormwater BMPs may begin after the contributing drainage areas have been stabilized.
- Upon release by the ESC Administrator, all temporary erosion and sediment control measures shall be removed and disposed of within 30 days after the final site stabilization is achieved or after temporary measures are no longer needed.

SEEDING & MULCHING TABLE			
ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT SEEDING WITHIN 7 DAYS FOLLOWING FINISH GRADING. SEEDING SHALL BE DONE ACCORDING TO STANDARD & SPECIFICATION 3.31 TEMPORARY OR 3.32 PERMANENT SEEDING, OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. SEEDING MIXTURE SHALL BE AS INDICATED BELOW.			
TEMPORARY		PERMANENT	
SPECIES	LBS./ACRE	SPECIES	LBS./ACRE
ANNUAL RYEGRASS & CEREAL RYE	50-100	KENTUCKY 31 FESCUE	128
ANNUAL RYE GRASS	60-100	RED TOP GRASS	2
GERMAN MILLET	50	SEASONAL NURSE CROP*	20
TOTAL		TOTAL	
160-250		150	
*USE SEASONAL NURSE CROP AS INDICATED BELOW			
<input type="checkbox"/>	SEPT. 1st - FEB. 15th	<input checked="" type="checkbox"/>	ANNUAL RYE & CEREAL RYE
<input type="checkbox"/>	MAR. - MAY 15th	<input type="checkbox"/>	ANNUAL RYE
<input type="checkbox"/>	FEB. 16th - APR. 30th	<input type="checkbox"/>	MAY 16th - AUG. 15th
<input type="checkbox"/>	FOXTAIL MILLET	<input type="checkbox"/>	AUG. 16th - OCT.
<input type="checkbox"/>	ANNUAL RYE	<input type="checkbox"/>	NOV. - FEB.
<input type="checkbox"/>	WINTER RYE		
ORGANIC MULCH MATERIALS AND APPLICATION RATES			
VESCH TABLE 3.35-A			
MULCHES	RATES		NOTES:
	PER ACRE	PER 1000 SF	
STRAW OR HAY	1½ - 2 TONS (MIN. 2 TONS FOR WINTER COVER)	70 - 90 lbs.	FREE FROM WEEDS AND COARSE MATTER. MUST BE ANCHORED. SPREAD WITH MULCH BLOWER OR BY HAND.
FIBER MULCH	MINIMUM 1500 lbs.	35 lbs.	DO NOT USE AS MULCH FOR WINTER COVER OR DURING HOT, DRY PERIODS.* APPLY AS SLURRY
CORN STALKS	4 - 6 tons	185 - 275 lbs.	CUT OR SHREDDED IN 4-6" LENGTHS. AIR DRIED. DO NOT USE IN FINE TURF AREAS. APPLY WITH MULCH BLOWER OR BY HAND.
WOOD CHIPS	4 - 6 tons	185 - 275 lbs.	FREE OF COARSE MATTER, AIR-DRIED. TREAT WITH 12 lbs. NITROGEN PER TON. DO NOT USE IN FINE TURF AREAS. APPLY WITH MULCH BLOWER, CHIP HANDLER, OR BY HAND.
BARK CHIPS OR SHREDDED BARK	50 - 70 c.y.	1 - 2 c.y.	FREE OF COARSE MATTER, AIR-DRIED. DO NOT USE IN FINE TURF AREAS. APPLY WITH MULCH BLOWER, CHIP HANDLER, OR BY HAND.
* WHEN FIBER MULCH IS THE ONLY AVAILABLE MULCH DURING PERIODS WHEN STRAW SHOULD BE USED, APPLY AT A MINIMUM RATE OF 2000 lbs./ac. OR 45 lbs./1000 sq. ft.			

EROSION AND SEDIMENT CONTROL NARRATIVE

250 S Stuart Ave Site Plan
Commonwealth 250, LLC
3/19/2026
250 S Stuart Ave
Elkton, VA 22827

Project No.

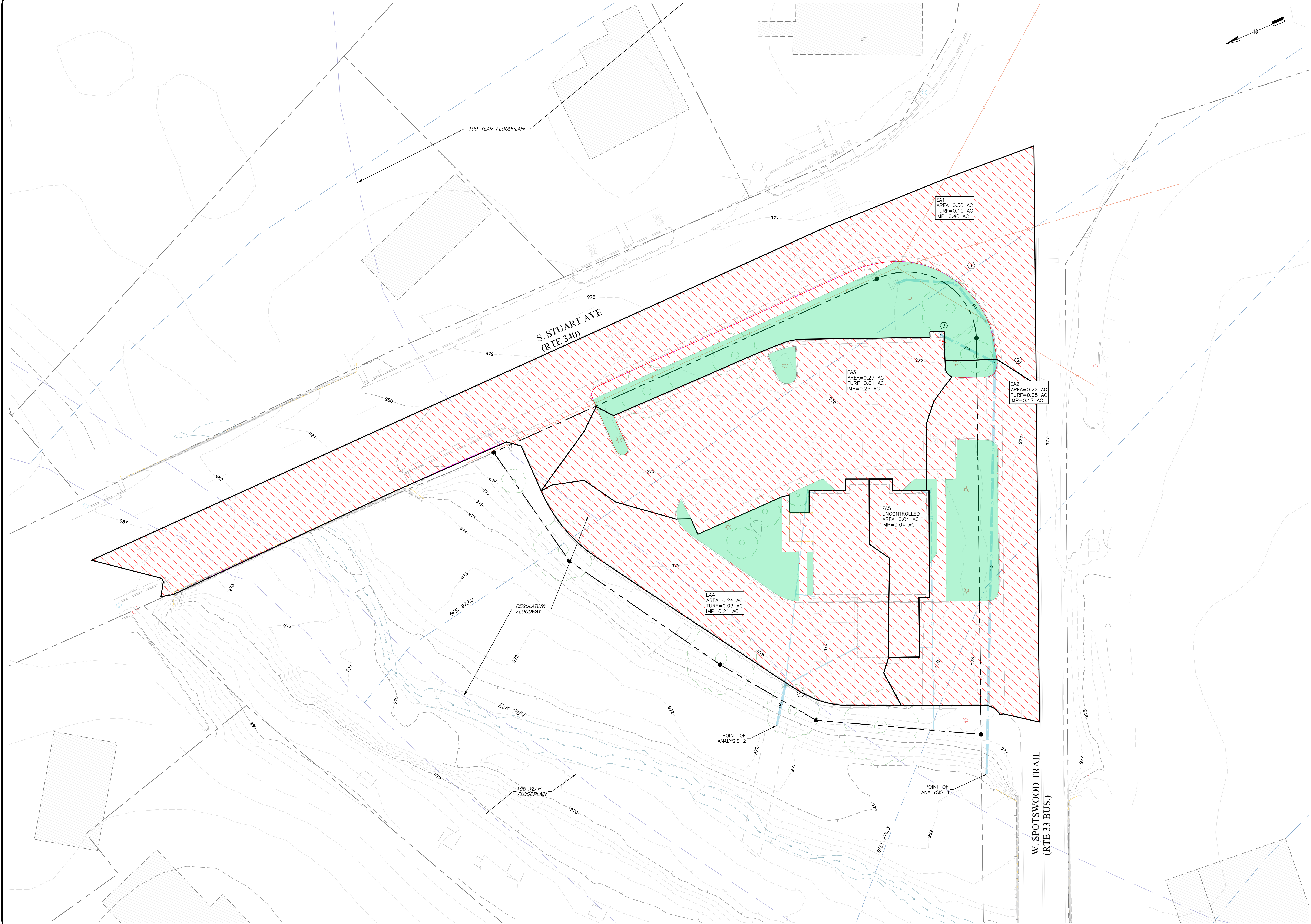
CE202551

2ND SUBMITTAL

Sheet

C7
of 9 Sheets

STORMWATER.Dwg Plot Date: 3/19/2026 By: CE-13



Date: 2/10/2026

Scale: 1" = 20'

Designed by: GLC, PE

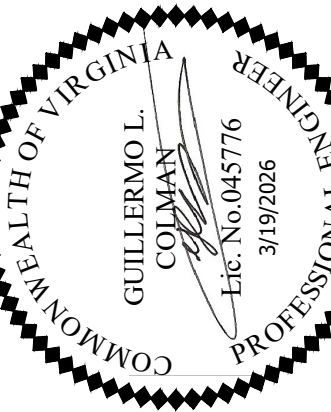
Drawn by: DPW

Reviewed by: GLC, PE

Revision Dates
3/19/2026 Per County

COLMAN
ENGINEERING

1123 South High Street | Harrisonburg, VA 22801 | Ph: (540) 246-3712
Email: contact@colmanengineering.com | www.colmanengineering.com



PRE-DEVELOPEMENT INLET DRAINAGE MAP

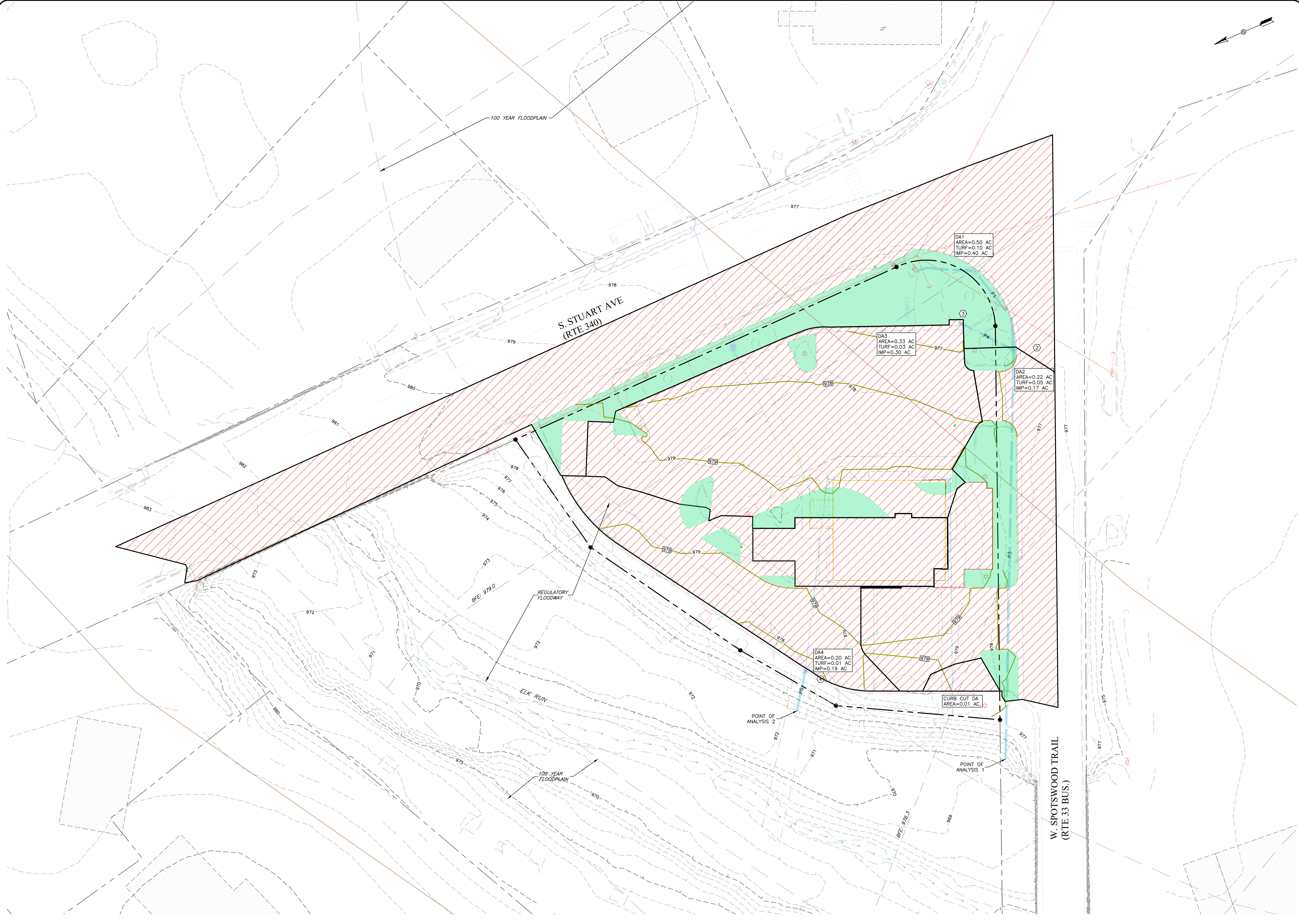
250 S Stuart Ave Site Plan
Commonwealth 250, LLC
250 S Stuart Ave
Elkton, VA 22827

Project No.
CE202551

2ND SUBMITTAL

Sheet
C8
of 9 Sheets

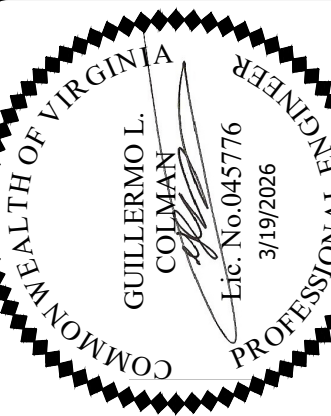
STORMWATER_DWG_PlotDate: 3/19/2026 By: CE-13



Date: 2/10/2026
Scale: 1" = 20'
Designed by: GLC, PE
Drawn by: DPW
Reviewed by: GLC, PE

Revision Dates
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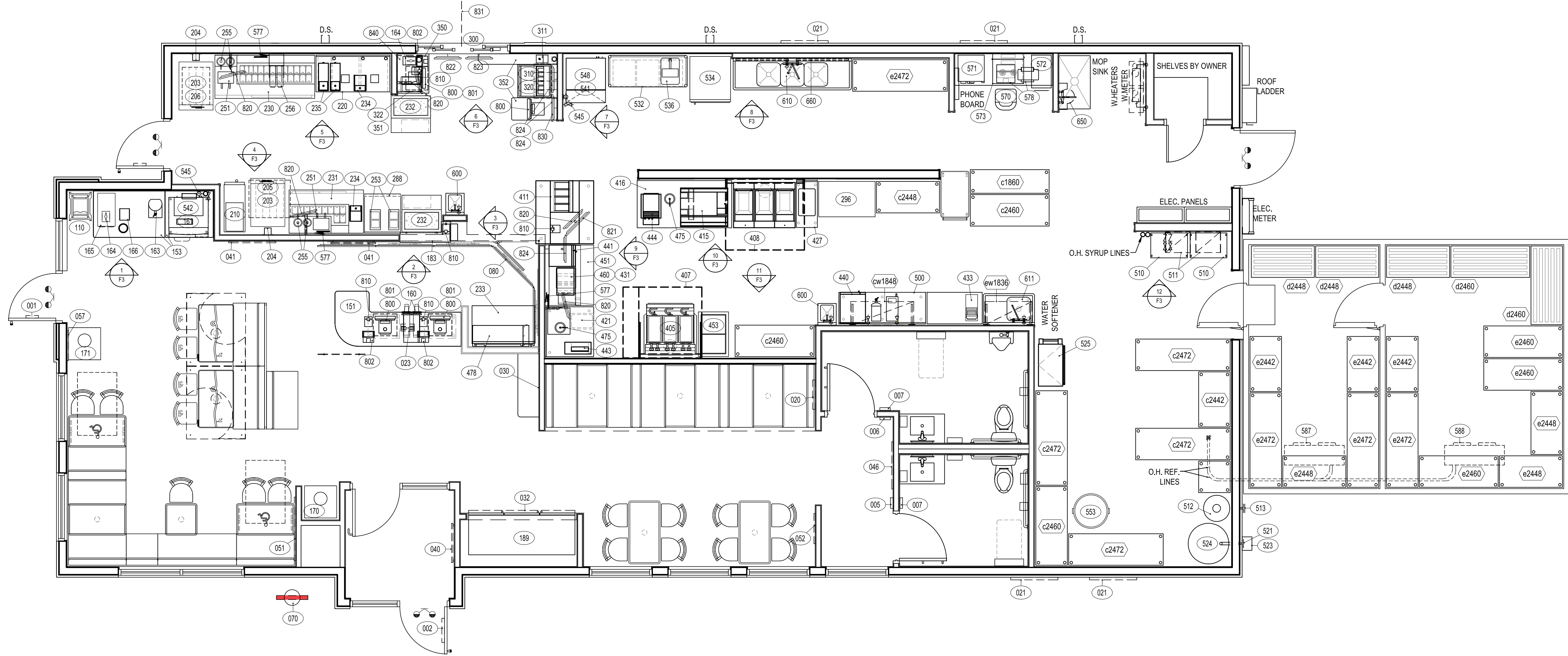


POST-DEVELOPMENT INLET DRAINAGE MAP

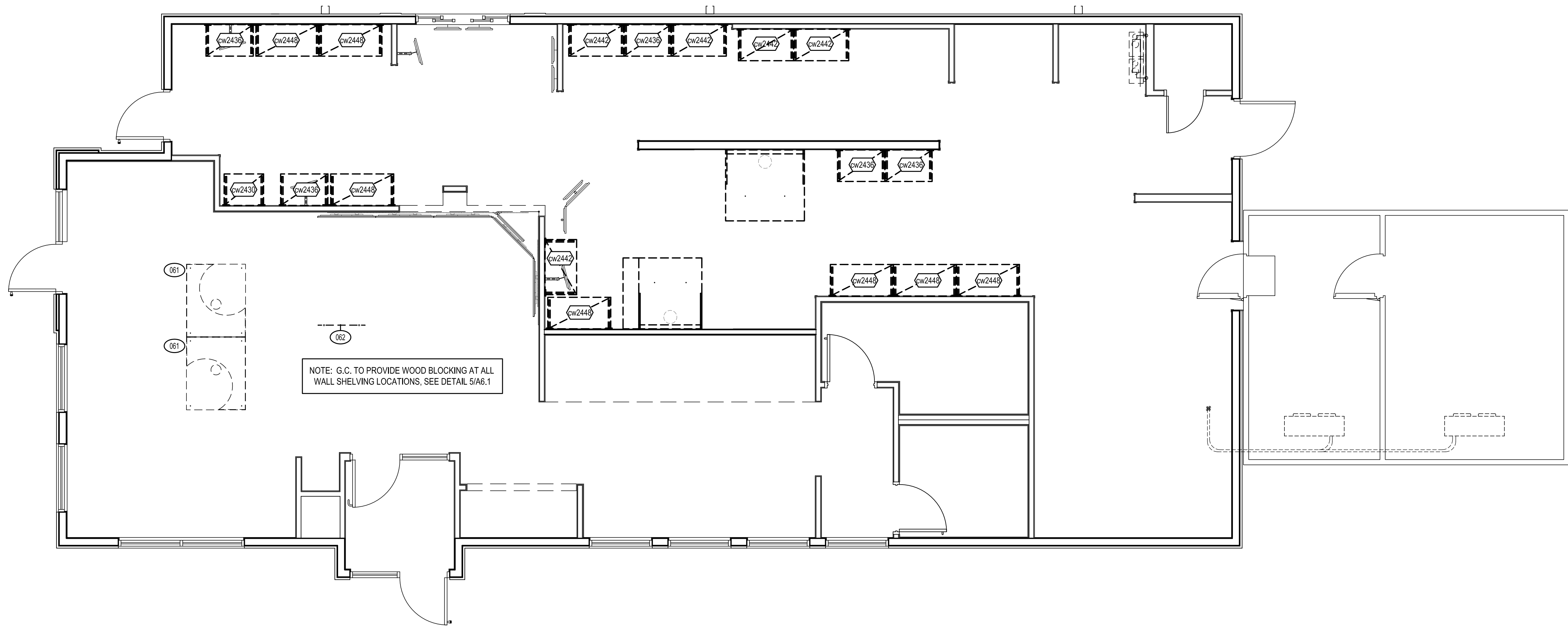
250 S Stuart Ave Site Plan
Commonwealth 250, LLC
250 S Stuart Ave
Elkton, VA 22827

Project No.
CE202551
2ND SUBMITTAL

Sheet
C9
of 9 Sheets

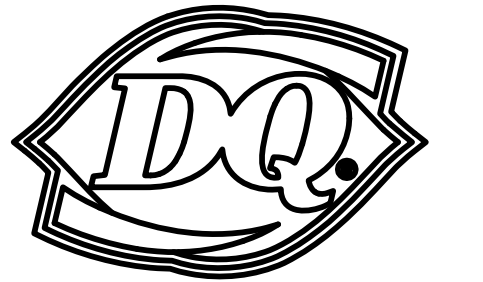


1 EQUIPMENT PLAN
F1 SCALE: 1/4" = 1'-0"



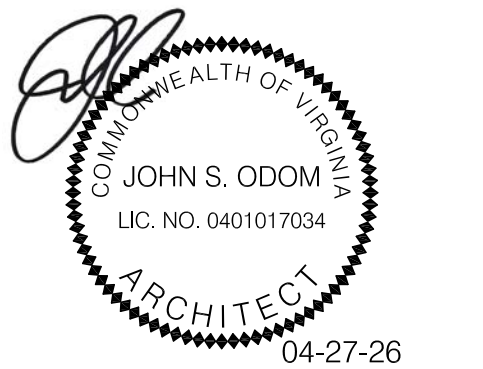
2 WALL MOUNTED SHELVING PLAN
F1 SCALE: 1/4" = 1'-0"

NEW BUILDING FOR:



250 SOUTH STUART AVENUE
ELKTON, VA 22827

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VIRGINIA ARCHITECT
LICENSE NUMBER 0401017034

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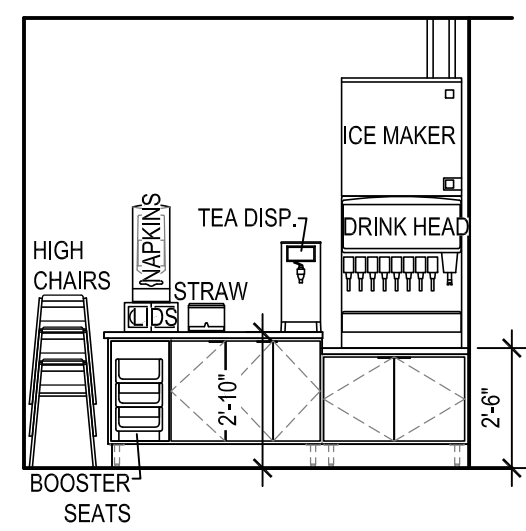
ISSUE DATE: 04/27/26
REVISION DATE:
04/27/26 ORIGINAL ISSUE
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EQUIPMENT
PLANS

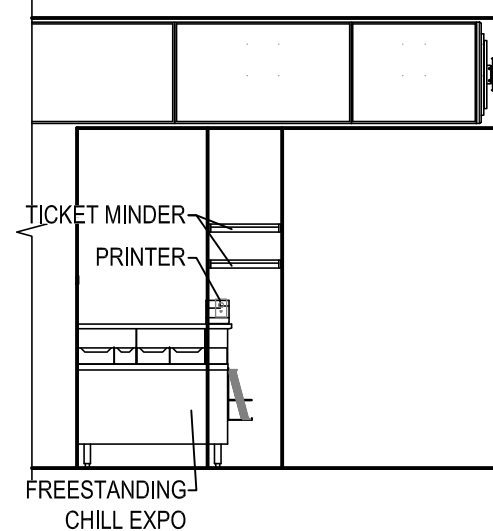
SHEET NUMBER:
F1

Quantity	NO.	DESCRIPTION	MANUFACTURER	MODEL	SUPPLY	INSTALL	ELECTRICAL				PLUMBING	HOT	COLD	DRAIN	GAS	BTU	REMARKS
							VOLTAGE	PHASE	KW	PLUG	DIRECT	HOT	COLD	DRAIN	CONN.	BTU	
VERIFY	101	H.C. TABLE	ELKAY	QUOTE		YES											SEE NOTE #13
VERIFY	101	DINING CHAIR	ELKAY	QUOTE		YES											SEE NOTE #13
VERIFY	102	DINING TABLE	ELKAY	QUOTE		YES											SEE NOTE #13
VERIFY	103	BENCH, SINGLE	ELKAY	HARD SEAT OR SOFT SEAT		YES											SEE NOTE #13
VERIFY	104	BENCH, DOUBLE	ELKAY	HARD SEAT OR SOFT SEAT		YES											SEE NOTE #13
1	153	LOBBY DRINKS COUNTER	ELKAY	QUOTE		YES											SEE NOTE #13 & SEE F SHEETS
1	153	LOBBY DRINKS COUNTER	NWS	QUOTE		YES											SEE NOTE #13 & SEE F SHEETS
1	154	UNDER COUNTER CUP DISPENSER BRACKET	NWS	F6507S		YES											USED WITH ELKAY OR PLYMOLD FRONT COUNTER
1	155	FRONT COUNTER	NWS	F5644S		YES											SEE NOTE #13 & SEE F SHEETS
1	155	FRONT COUNTER	ELKAY	QUOTE		YES											SEE NOTE #13 & SEE F SHEETS
2	157	18"x24" UIC SHELF	QUANTUM	QUOTE		YES											
1	158	18"x24" UIC SHELF	QUANTUM	QUOTE		YES											
1	171	DINING ROOM TRASH SINGLE	ELKAY	QUOTE		YES											SEE NOTE #13 & SEE F SHEETS
1	182	WALL MOUNT TRAY RACK	NWS	F7581S		YES											
1	183	3 DOOR CAME DISPLAY FREEZER (AC SELF-CONTAINED)	MAXX COLD (PRIMARY)	MXD204-73RHC		YES	230V	1	2.070W								NEMA 1-14-20
1	189	H.C. DUKE (ALTERNATE)	NWS	GEN-103-432		YES	208V	3	NOTE 1								NEMA 15-30
2	203	SOFTSERVE FREEZER, 3 SPOOT (AIR COOLED-REMOTE)	NWS	WT44MHC-PP		YES											12"
1	204	REFRIGERATION LINE COVER	NWS	DT9950		YES											
1	205	TREAT ASSEMBLED CUP DISPENSER	SEVYLE	MCCABLA		YES											(4) CUPS (4) CONES
1	206	BLIZZARD ASSEMBLED CUP DISPENSER	SEVYLE	MCCABLA-BLA		YES											(4) CUPS
1	210	MISTY MACHINE	BY OWNER	BY OWNER		BY OWNER	208V	1	2.50KW								SEE NOTE #13 & #3 (AUTOFILL)
1	220	50"x80" S.S. BLIZZARD BLEND TABLE	NWS	F7344S		YES											
1	220	BLIZZARD TOPPING CABINET COOLER	NWS	F7344S		YES	120V	1	0.850W								
1	231	TREATS TOPPING CABINET COOLER	NWS	F7345S		YES	120V	1	0.570W								
2	232	FREEZER STAGING CART, SINGLE LINE	NWS	F6940T		YES	115V	1	0.480W								
1	233	MOBILE ORDER COLD HOLDING WORKTOP FREEZER	NWS	WT44MHC-PP		YES	115V	1	1.01P								
2	234	BLIZZARD MACHINE	H.C. DUKE	BMS-1NCS-1982S		YES	120V	1	1.20W								NEMA 5-15
2	235	HANDS FREE BLIZZARD	HAMILTON BEACH	BC3000-00		YES	120V	1	0.840W								NEMA
1	248	27" WORKTOP FREEZER	ATOSA	M82H1-02R		YES	115V	1	0.210W								NEMA 5-15
1	256	REACH-IN FREEZER	BY OWNER	BY OWNER		BY OWNER	115V	1	0.720W								NEMA 5-15
1	300	DT WINDOW	QUICKSERV	BP-723SE, CLEAR ANODIZED		YES	115V	1									PROVIDE A 115V 15AMP DEDICATED CIRCUIT, THRU-BEAM SENSOR
1	350	30"x24" DT PAYMENT COUNTER	DUKE	DT-0020S		YES											
1	351	DT PAYMENT COUNTER SHELF	NWS	QUOTE		YES											
1	352	DT DRINKS COUNTER	DUKE	D001-8EV-CORE46		YES											INCLUDE NWS WALL-SHELF F00040
3	403	ELECTRIC FRYER	PTICO	SE14		YES	(2) 208V	(3) 3	170W								(3) VERIFY
1	405	TWO-SIDED GRILL (ELEC/ELEC)	TAYLOR	L810		YES	(2) 208V	(2) 3	250W								(2) NEMA 1-5-50
1	411	48" EXPO UNIT - WORK TABLE W/ MODIFIED OVERSHELF	DUKE	-		YES	120V	1	-								NEMA
1	415	3P DUAL SIDE CHOPPY STATION	DUKE	DK-PRT-3K-0-00		YES	120V	1	1.620W								NEMA 5-20
1	416	CUSTOM 7'x20" STAINLESS TABLE	DUKE	QUOTE		YES											
1	421	38"x37" S.S. TABLE W/ OVERSHELF	DUKE	D0-38-SAUCE-TOSS-TABLE		YES											
1	427	18"x24" S.S. WORK TABLE W/ OPEN BASE (FRY)	NWS	DT719S		YES											
1	440	LARGE BOSTON OVEN (B.O. PREP)	AMANA	DQ240S		YES	208V	1	3.200W								NEMA 6-20
1	441	BOOST OVEN	AMANA	DQDHC21		YES	208V	1	4.100W								NEMA 6-20
1	443	TOASTER, CONTACT	ANTUNES	GS12V		YES	208V	1	2.000W								NEMA 6-20
1	444	TOASTER	ANTUNES	TS1		YES	208V	1	2.00W								NEMA 6-20
1	451	48" PRODUCTION CENTER PREP TABLE	DUKE	DP06-RFEP-7-TABLE		YES	120V	1	0.890W								NEMA 5-15
1	453	DEEPIWELL FREEZER	SILVERBOND	SMW34-C1		YES	120V	1	0.870W								NEMA 5-15
1	460	4 DRAWER HOLDING CABINET, 24"	MERCECO	MHG235T1W		YES	120V	1	0.800W								NEMA 5-15
1	460	4 DRAWER HOLDING CABINET, 24"	DUKE (ALTERNATE)	RPH-3-2		YES	120V	1	1.200W								NEMA 5-15
1	478	MOBILE ORDER HOT HOLDING UNIT	FWE	HHS-213-1639-MM		YES	120V	1	0.800W								VERIFY
1	500	80"x24" S.S. WORK TABLE (B.O. PREP)	FWE	F3020I		YES											
1	525	HEATED SINK TANK	D-CARBONATOR	450AL		YES	115V	1	1.500W								NEMA-15
1	532	CAKE PREP STATION, 60"	QUANTUM	2460C		YES											
1	534	1 DOOR HARDENING CABINET	CARPICANNI (ALTERNATE)	IOH-10		YES	(2) 115V	1	1.880W								(2) NEMA
1	534	1 DOOR HARDENING CABINET	GLOBAL (PRIMARY)	T3HVER		YES	120V	1	1.320W								NEMA 5-15
1	541	30" ICE BIN (S3BL)	SCOTSMAN (ALTERNATE)	B330S		YES											34"
1	541	30" ICE BIN (43BL)	MANTIWOC (PRIMARY)	B330S		YES											34"
1	542	LOBBY ICE MAKER, 800L (AC REMOTE, HALF OZ)	MANTIWOC (PRIMARY)	BP-800C		YES	115V	1	0.130W								NEMA
1	542	ICE MAKER, 800L (AC REMOTE, SMALL CUBE)	SCOTSMAN (ALTERNATE)	C030SR-32		YES	208V	1	4.700W								NEMA
2	545	ICE MAKER WATER FILTER	FRANKE	ECO3ICE-X8		YES	120V	1	0.203W								NEMA 5-15
1	548	ICE MAKER, 4796L (AC SELF-CONTAINED)	SCOTSMAN (ALTERNATE)	C0322A-32		YES	208V	1	1.550W								X
1	548	ICE MAKER, 4796L (AC SELF-CONTAINED)	MANTIWOC (PRIMARY)	PT0450A		YES	208V	1	1.640W								X
1	587	EVAPORATOR COIL (MED TEMP)	PART OF WALK-IN PACKAGE	G.C.		YES	115V	1	0.180W								34"
1	588	EVAPORATOR COIL (LOW TEMP)	PART OF WALK-IN PACKAGE	G.C.		YES	208V	1	2.240W								X
1	595	WALK-IN COOLER/REFRIGERATORY STORAGE PACKAGE	NORLAK (PRIMARY)	QUOTE		YES											VERIFY NOTE #4
2	600	HAND SINK	ATOSA	MRS4HS-14		YES						1/2"	1/2"	1 1/2"			VERIFY SPLASH LOCATION
1	610	SCRUB SINK	ATOSA	MRS4SD-0		YES						1/2"	1/2"	1 1/2"			INCLUDE MOUNTING FACET, TABS BRASS MPV-6WALN-1-2-C AND LEVER DRAINS TABS BRASS B-3650
1	611	VEGETABLE SINK	ATOSA	MRS4A-R		YES						1/2"	1/2"	1 1/2"			INCLUDE FACET, TABS BRASS B-24H AND LEVER DRAINS TABS BRASS B-3650
1	650	WATER FILTER	SELECTO	SMP K320		YES											34"
1	660	SCRUB SINK SMART WALL SYSTEM	METRO	D00383C02MP		YES											
VERIFY	752	PATIO TRASH	WALSAU	MF4302		YES											SEE NOTE #9
VERIFY	753	PATIO CIGARETTE DISPOSAL	WALSAU	MF4012		YES											SEE NOTE #9
VERIFY	754	AGGREGATE TRASH & HOOD	WALSAU	TF1021 W/ TR60 LINEAR INSERT		YES											SEE NOTE #9
VERIFY	760	PATIO TABLE	ELKAY	QUOTE		YES											SEE NOTE #9
VERIFY	763	PATIO CHAIR	ELKAY	QUOTE		YES											SEE NOTE #9
VERIFY	764	PATIO BENCH	ELKAY	QUOTE		YES											SEE NOTE #9
VERIFY	2438	SHELVING ASSEMBLY, 24"x30"	QUANTUM	WRT4-2438C		YES											
VERIFY	2445	SHELVING ASSEMBLY, 24"x42"	QUANTUM	WRT4-2445C		YES											
VERIFY	2460	SHELVING ASSEMBLY, 24"x60"	QUANTUM	WRT4-2460C		YES											
VERIFY	2481	18" SINGLE WALL BRACKET	QUANTUM	DWB18		YES											
VERIFY	2488	WALL SHELF, 18"x48"	QUANTUM	H48C		YES											
VERIFY	242401	24" SINGLE WALL BRACKET	QUANTUM	DWB24		YES											
VERIFY	242402	24" DOUBLE WALL BRACKET	QUANTUM	DWB204		YES											
VERIFY	242403	WALL SHELF, 24"x30"	QUANTUM	2430C		YES											
VERIFY	242404	WALL SHELF, 24"x36"	QUANTUM	2436C		YES											
VERIFY	242405	WALL SHELF, 24"x42"	QUANTUM	2442C		YES											
VERIFY	242406	WALL SHELF, 24"x48"	QUANTUM	2448C		YES											
VERIFY	24435	DUNNAGE RACK, 24"x36"	QUADRA-TECH	DUNN2436S		YES											
VERIFY	2448	DUNNAGE RACK, 24"x48"	QUADRA-TECH	DUNN2448S		YES											
VERIFY	2424	EPOXY SHELVING ASSEMBLY, 24"x30"	QUANTUM	WRT4-24240Y		YES											
VERIFY	2435	EPOXY SHELVING ASSEMBLY, 24"x36"	QUANTUM	WRT4-24350Y		YES											
VERIFY	2442	EPOXY SHELVING ASSEMBLY, 24"x42"	QUANTUM	WRT4-24420Y		YES											
VERIFY	2448	EPOXY SHELVING ASSEMBLY, 24"x48"	QUANTUM	WRT4-24480Y		YES											
VERIFY	2460	EPOXY SHELVING ASSEMBLY, 24"x60"	QUANTUM	WRT4-24600Y		YES											
VERIFY	2481	18" SINGLE EPOXY WALL BRACKET	QUANTUM	DWB18GY		YES											
VERIFY	2488	EPOXY WALL SHELF, 18"x48"	QUANTUM	1836GY		YES											

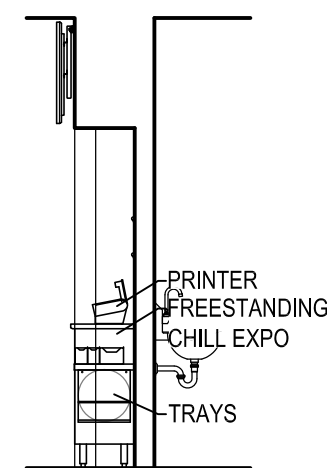
IDENTITY PACKAGE / BRANDING																
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						VOLTAGE	PHASE	KW	PLUG	DIRECT	HOT	COLD	DRAIN			CONN.
2	001	HOURS SIGN, SINGLE	THE BERNARD GROUP	HOURLSSIGN-1	OWNER	G.C.										
1	002	HOURS SIGN, DOUBLE	THE BERNARD GROUP	HOURLSSIGN-1	OWNER	G.C.										
1	005	SIGN, WOMEN'S RESTROOM	THE BERNARD GROUP	FAC-W	OWNER	G.C.										
1	006	SIGN, MENS RESTROOM	THE BERNARD GROUP	FAC-M	OWNER	G.C.										
1	007	SIGN, HANDWASHING	THE BERNARD GROUP	FSPPHANSIGN-1	OWNER	G.C.										
2	020	INTERIOR POSTER FRAME	THE BERNARD GROUP	PP-2X28X38V-L	OWNER	G.C.										
1	021	EXTERIOR POSTER FRAME	THE BERNARD GROUP	EPF-36X60	OWNER	G.C.										
1	022	OFF CARD CHANGER DISPLAY	THE BERNARD GROUP	DC024H50	OWNER	G.C.										
3	024	ALLEGES REGISTER DECAL	THE BERNARD GROUP	REGR5-D	OWNER	G.C.										
1	040	CARD & CASHIER DELT. WALL MOUNT	THE BERNARD GROUP	CONVALL-N	OWNER	G.C.										
1	042	TAKE OUT HOME SIGN	INDICO	QUOTE	OWNER	G.C.										
1	040	BRAND WORDS	THE BERNARD GROUP	BRANDMSQ-40	OWNER	G.C.										
1	041	WELCOME TO CITY BIRDS	THE BERNARD GROUP	WHSIG-21	OWNER	G.C.										
1	043	INTERIOR BLUZZARD CUP	THE BERNARD GROUP	BLUZZCUP-PM	OWNER	G.C.										
1	045	CIN SIGN	THE BERNARD GROUP	CINACUSTOM	OWNER	G.C.										
1	046	SINCE 1943 VINYL SEAL GRAPHIC	THE BERNARD GROUP	SEAL-SPS	OWNER	G.C.										
1	051	STANDARD BURGER ART	THE BERNARD GROUP	QUOTE	OWNER	G.C.										
1	052	3 STICK WALL ART	THE BERNARD GROUP	QUOTE	OWNER	G.C.										
1	057	2 STICK WALL ART	THE BERNARD GROUP	QUOTE	OWNER	G.C.										
2	061	CEILING ELEMENT (56"X45")	INDICO	QUOTE	OWNER	G.C.										
1	062	MOBILE ORDER SIGN, NONILLUMINATED	INDICO	063	QUOTE	OWNER	G.C.									
1	070	EXTERIOR GANT RITE SPOON	INDICO	QUOTE	OWNER	G.C.										
1	080	DENTAL MENU BOARDS 57"	CNEXFLEX	QUOTE	OWNER	VENDOR	120V	1	0.00KW	NEMA						
2	700	OT MOUNTED SIGNS AND PANEL	LSI	010TP1-F	OWNER	G.C.										
1	701	REMOTE SPEAKER POST	LSI	0110TP1-AP	OWNER	G.C.										
2	702	OT 2' CANOPY FT	LSI	771316	OWNER	G.C.	120V	1	-	-	X					
1	703	CLEARANCE SIGN 4'X6'X10'	LSI	771310	OWNER	G.C.										
2	704	OT DEWAND BOARD	LSI	010TP1-AP	OWNER	G.C.										



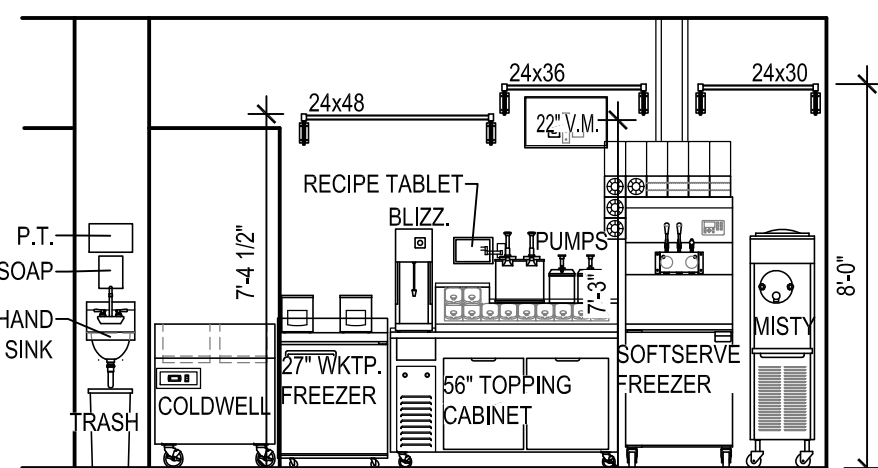
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F3



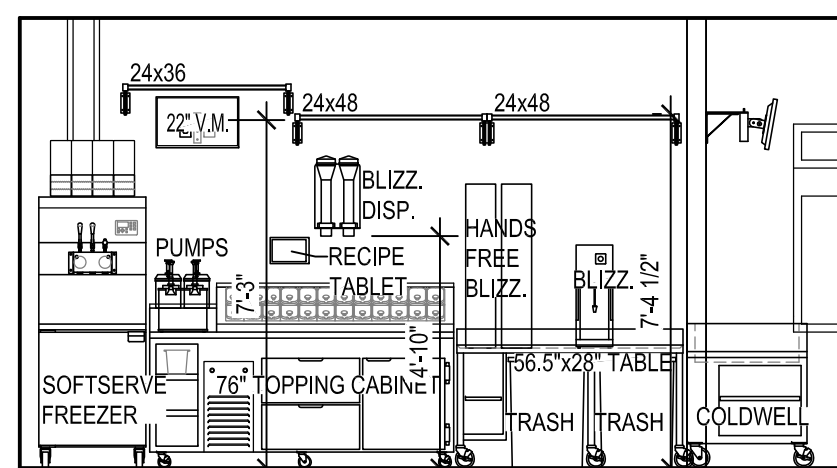
2 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



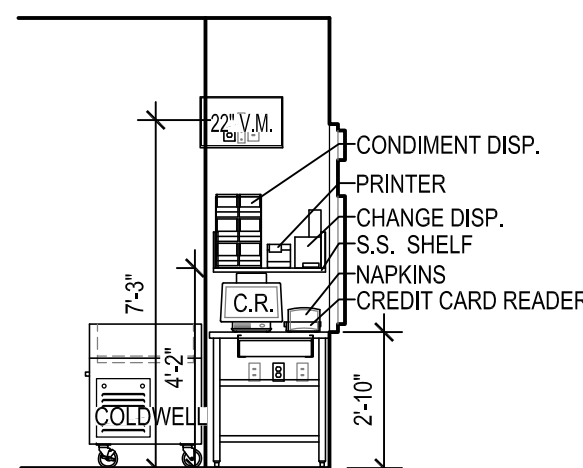
3 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



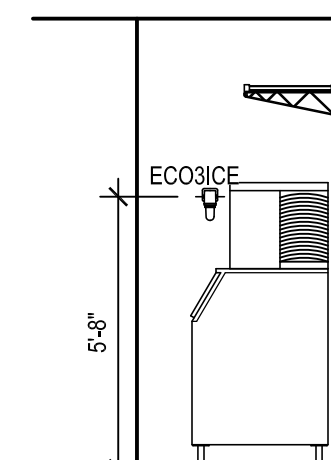
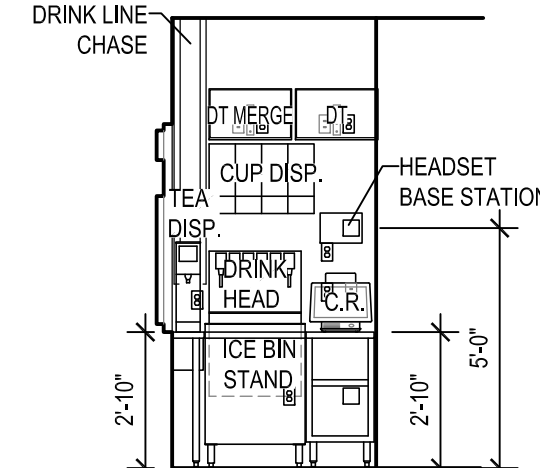
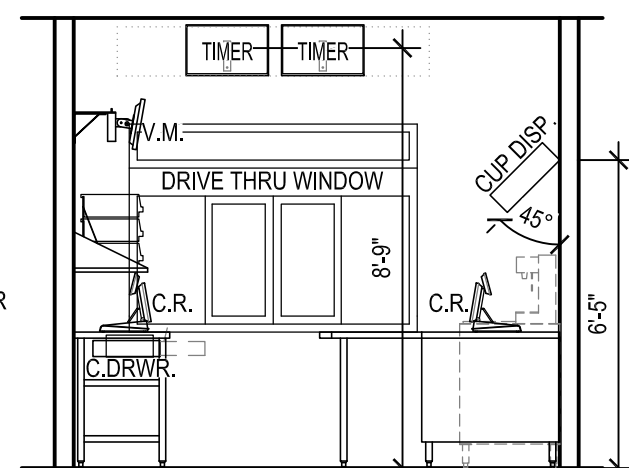
4 EQUIPMENT ELEVATION
F3 SCALE: 1/4" = 1'-0"



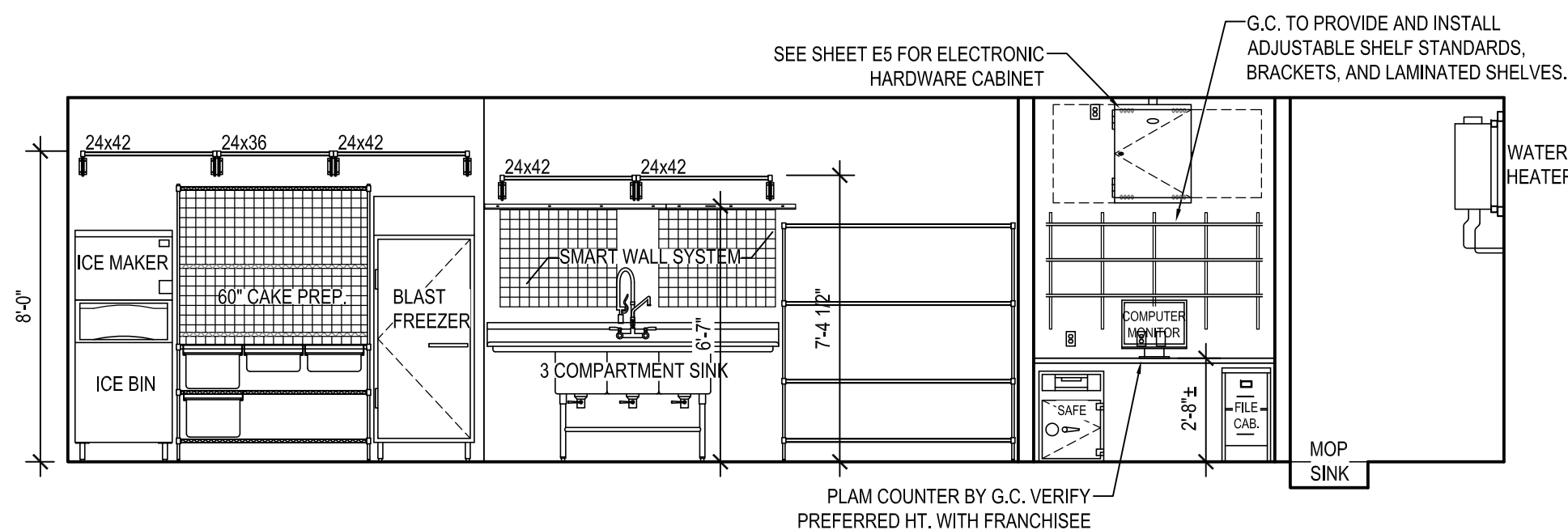
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F3 SCALE: 1/4" = 1'-0"



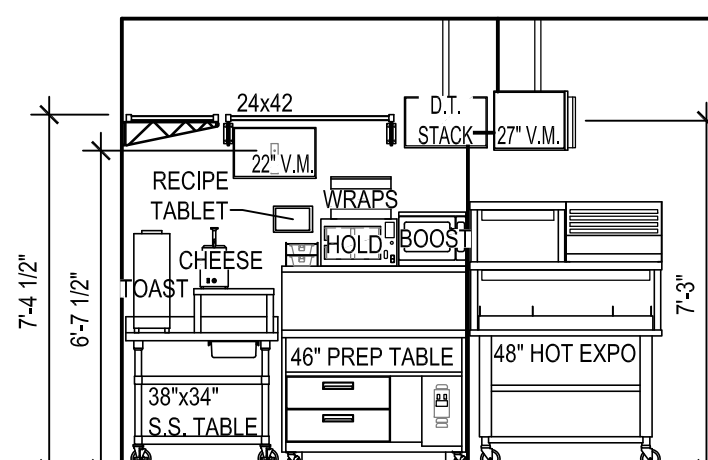
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F3



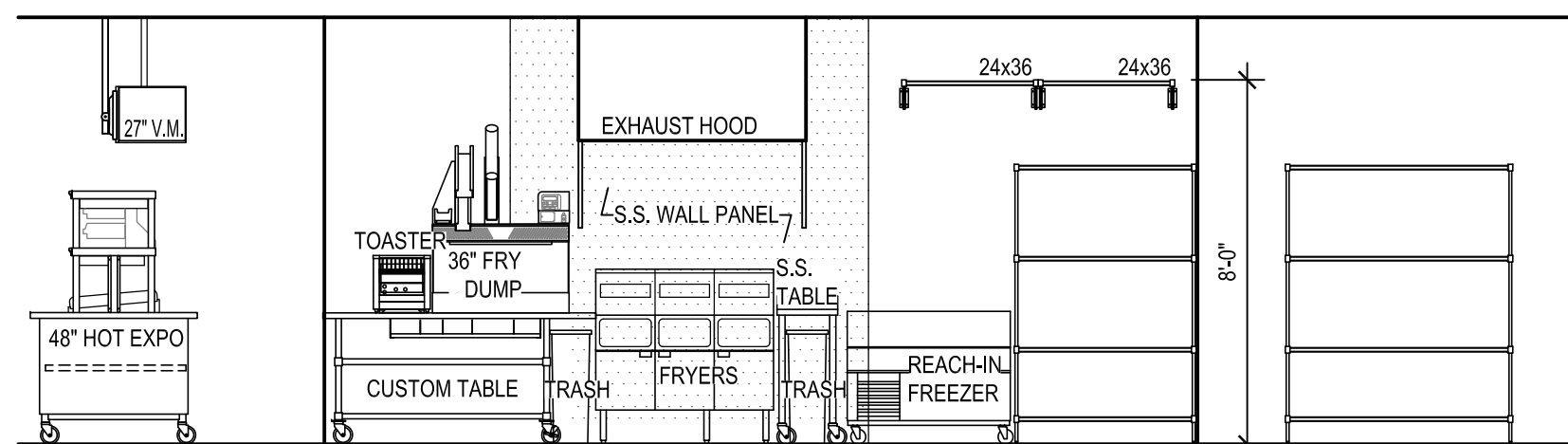
7 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



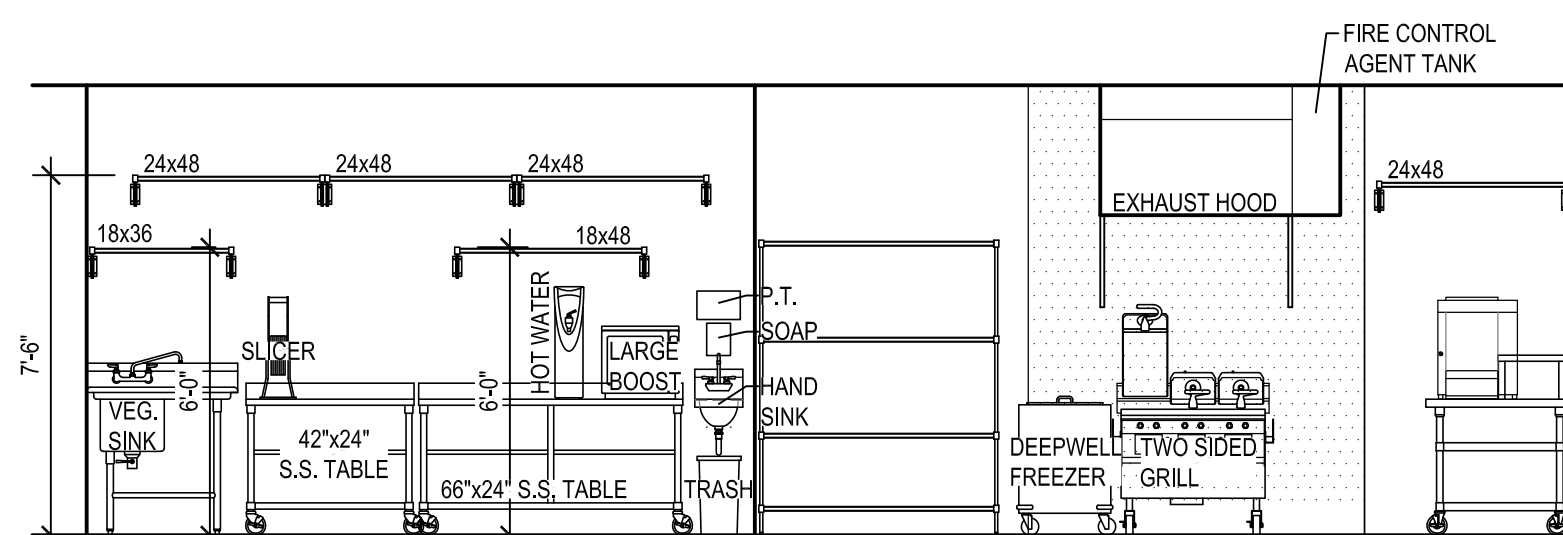
8 EQUIP. ELEVATION
F3 SCALE: 1/4" = 1'-0"



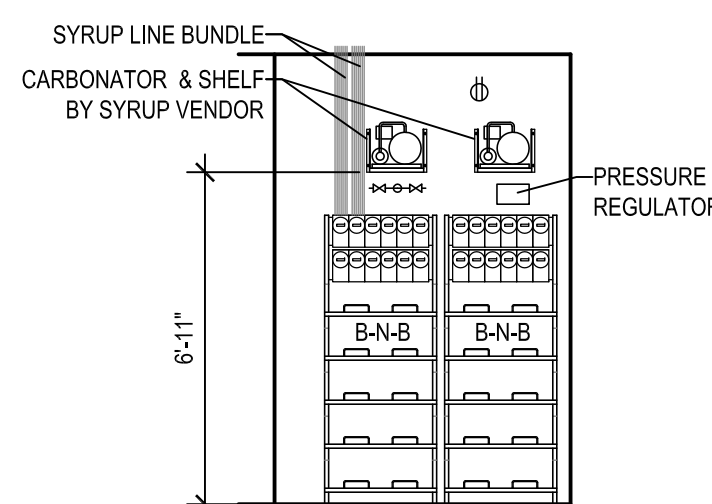
9 EQUIP. ELEVATION
F3 SCALE: 1/4" = 1'-0"



10 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



11 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



12 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"

UMBRELLAS	
BEST	
MANUFACTURER:	BARABOO
SERIES:	CONTEMPORARY CURVE
FABRIC COLOR:	SUNBRELLA, JOCKEY RED
FRAME/POLE COLOR:	BLACK
NOTES:	MUST BE ANCHORED TO TABLE PER MFG. RQMTS.
BETTER	
MANUFACTURER:	TUCCI
SERIES:	UD07.OHEX5403NO
FABRIC COLOR:	SUNBRELLA, JOCKEY RED
NOTES:	INCLUDE BASE/ANCHOR
GOOD	
MANUFACTURER:	PLYMOLD
SERIES:	MC9720-015847 (7" DIA.)
FABRIC COLOR:	SUNBRELLA, JOCKEY RED
NOTES:	INCLUDE BASE/ANCHOR

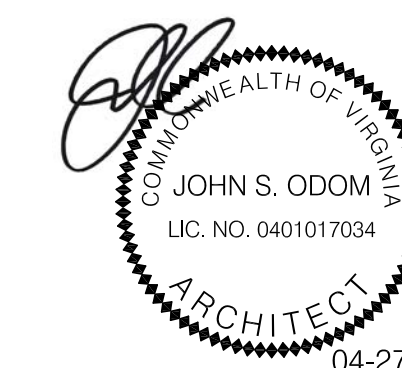
PATIO FURNITURE SCHEDULE	
DINING TABLES	
SIZES:	PLYMOLD: 26"x30", 26"x44", 38"x38", 38"x57" WAUSAU: 31"x31", 36"x36", 44"x44" ADA, 39"x57"
WOOD	RECYCLED PLASTIC, SAND
FRAME	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	SURFACE MOUNT BASE OR GROUT-IN POST
CHAIRS	
WOOD	RECYCLED PLASTIC, SAND
FRAME	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	OPTIONAL ANCHOR KIT
BENCH	
WOOD	RECYCLED PLASTIC, SAND
FRAME	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	OPTIONAL ANCHOR KIT
ADIRONDACK CHAIR	
MFG.	POLYWOOD, VINEYARD COLLECTION
COLOR	PWAD600, SUNSET RED
NOTES:	FRANCHISEE TO ORDER ONLINE

FURNITURE SCHEDULE	
DINING TABLES	
SIZES:	24"x24", 24"x30", 24"x44", 24"x48", 24"x60", 24"x66", 24"x72"
TOP INLAY	NEVAMAR, FRAPPE LN6001T
EDGE:	DURAEDGE, SMOKE
PEDESTAL & BASE:	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	SELF-LEVELING GUIDES AVAILABLE
COUNTER HEIGHT TABLES	
SIZES:	27"x24", 27"x44", 27"x60", 27"x66"
TOP INLAY	WILSONART, CUSTOM CURL PATTERN
EDGE:	DURAEDGE, SMOKE
PEDESTAL & BASE:	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	SELF-LEVELING GUIDES AVAILABLE
BAR HEIGHT TABLES	
SIZES:	24"0, 30"0, 36"0, 54"0
TOP INLAY	WILSONART, CUSTOM DQ SPOON PATTERN
EDGE:	DURAEDGE, SMOKE
PEDESTAL & BASE:	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	SELF-LEVELING GUIDES AVAILABLE
BOOTH BENCH (SINGLE & DOUBLE)	
MANUFACTURER:	PLYMOLD
SIZES:	24", 44", 48", 60"
BACKREST FABRIC	FABRICUT, VINYL,NONPAREIL,RED TEXTURE
"VISTA" SEAT FABRIC:	CORE 2.0 SLATE CRE210
"HORIZON" SEAT:	FORMICA, WAXED MAPLE
METAL FINISH:	TIGER DRYLAC, P6 GLIMMER 049-70210
DINING CHAIR	
MANUFACTURER:	PLYMOLD
SERIES:	QUEST (SLIM VINYL FLAT SEAT)
FABRIC:	CF STINSON, CORE 2.0 SLATE CRE210
WOOD FINISH	BEECH
METAL FINISH:	TIGER DRYLAC, P6 GLIMMER 049-70210
COUNTER HEIGHT CHAIR	
MANUFACTURER:	PLYMOLD
SERIES:	QUEST (SLIM VINYL FLAT SEAT)
FABRIC:	CF STINSON, CORE 2.0 SLATE CRE210
WOOD FINISH	BEECH
METAL FINISH:	RAL3003 049/31100
HIGH TOP CHAIR	
MANUFACTURER:	PLYMOLD
SERIES:	QUEST (SLIM VINYL FLAT SEAT)
FABRIC:	CF STINSON, CORE 2.0 SLATE CRE210
WOOD FINISH	BEECH
METAL FINISH:	RAL3003 049/31100



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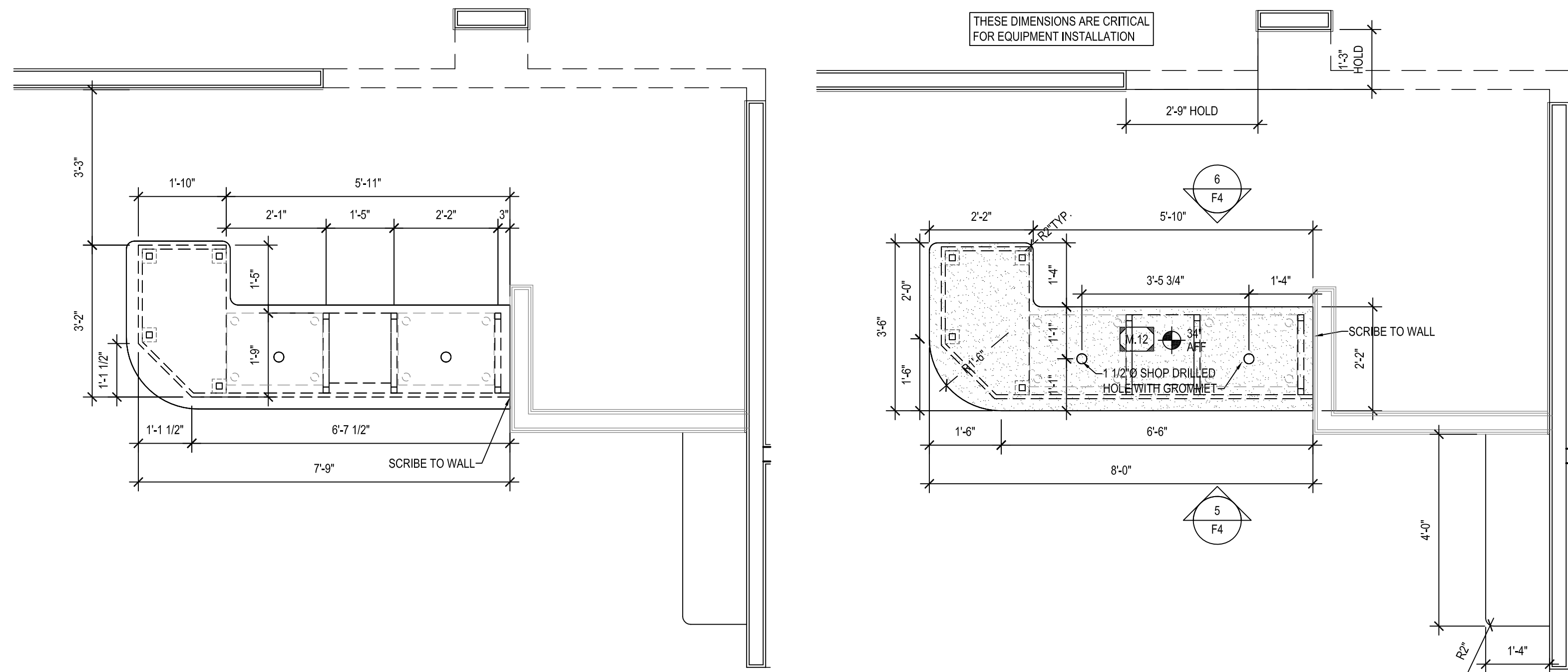
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EQUIPMENT ELEVATIONS

SHEET NUMBER:

F3

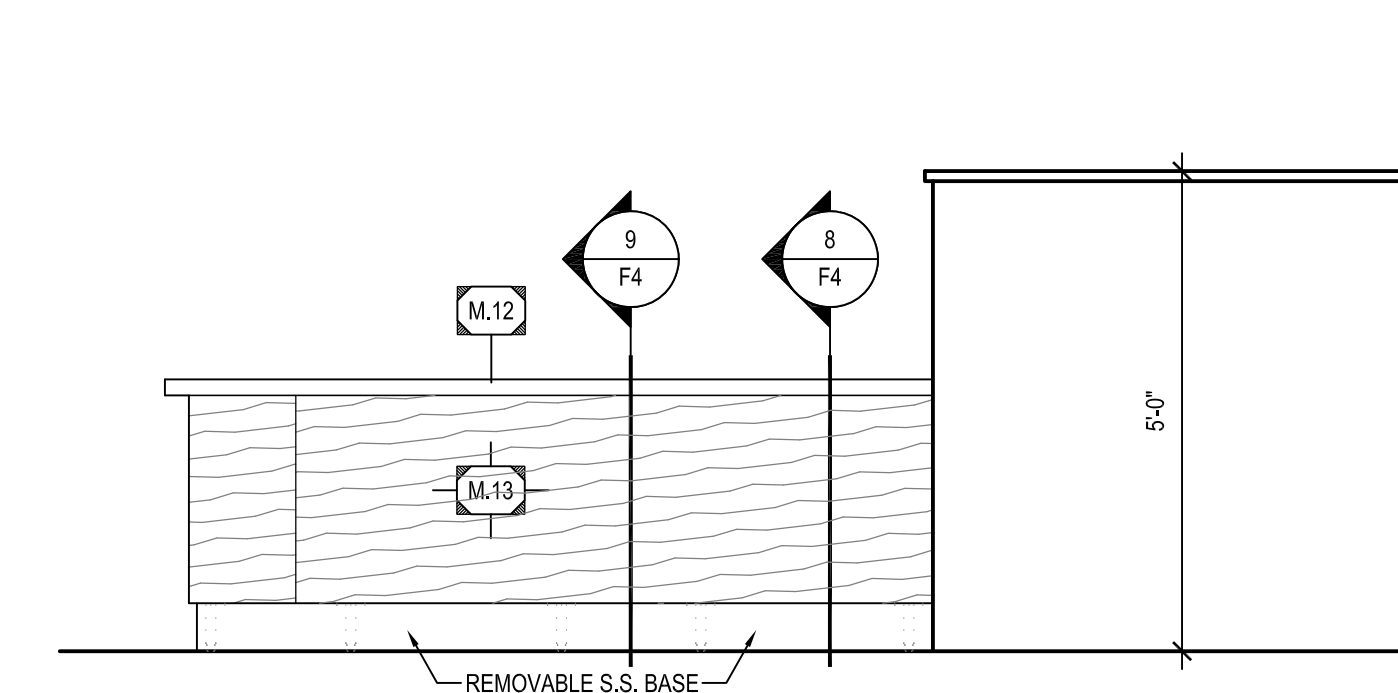


1 BASE CABINET & QUEUE RAIL PLAN
F4 SCALE: 1/2" = 1'-0"

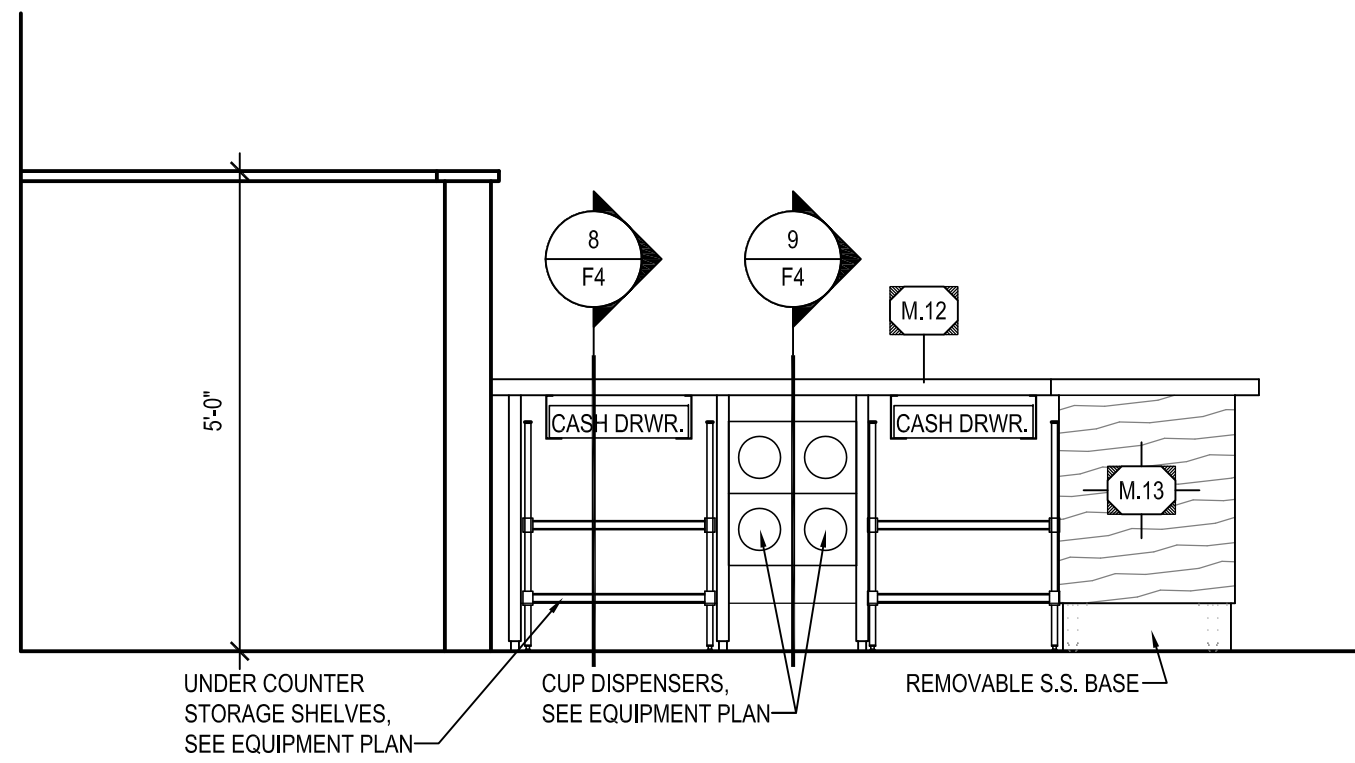
2 COUNTER TOP PLAN
F4 SCALE: 1/2" = 1'-0"

3 BASE CABINET PLAN
F4 SCALE: 1/2" = 1'-0"

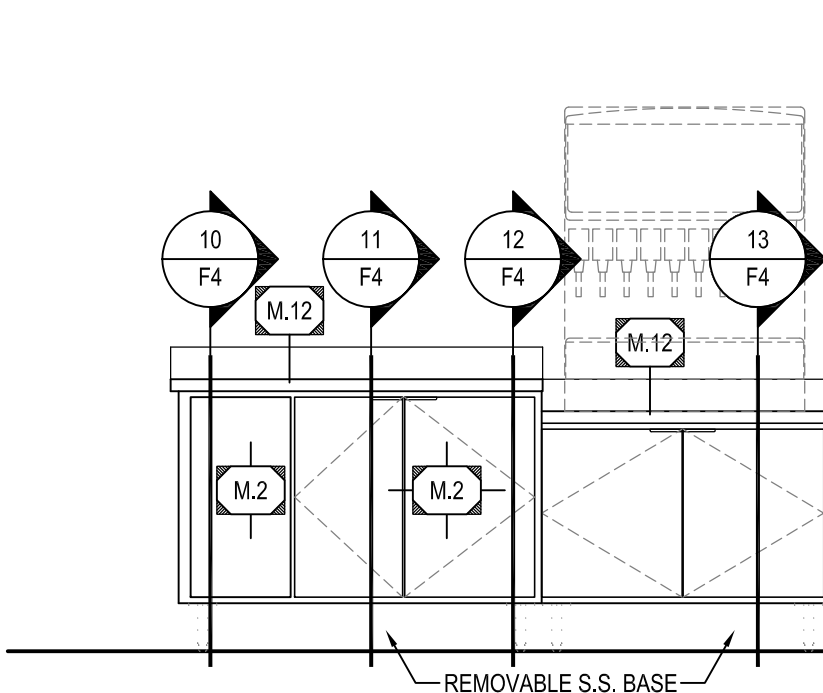
4 COUNTER TOP PLAN
F4 SCALE: 1/2" = 1'-0"



5 FRONT COUNTER
F4 SCALE: 1/2" = 1'-0"



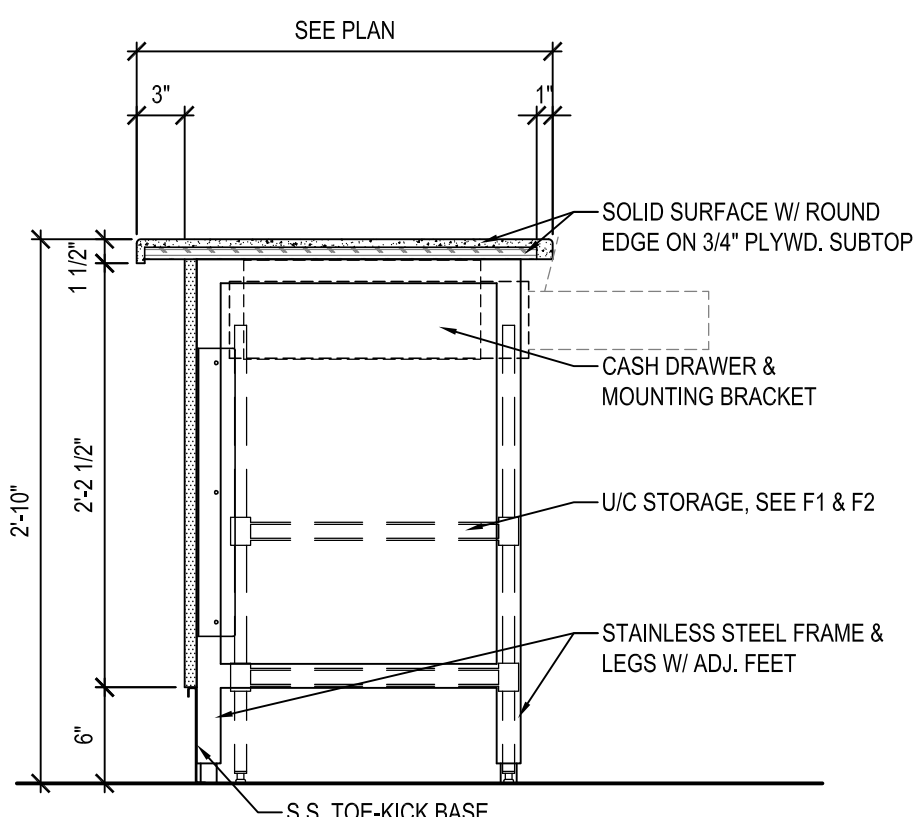
6 FRONT COUNTER
F4 SCALE: 1/2" = 1'-0"



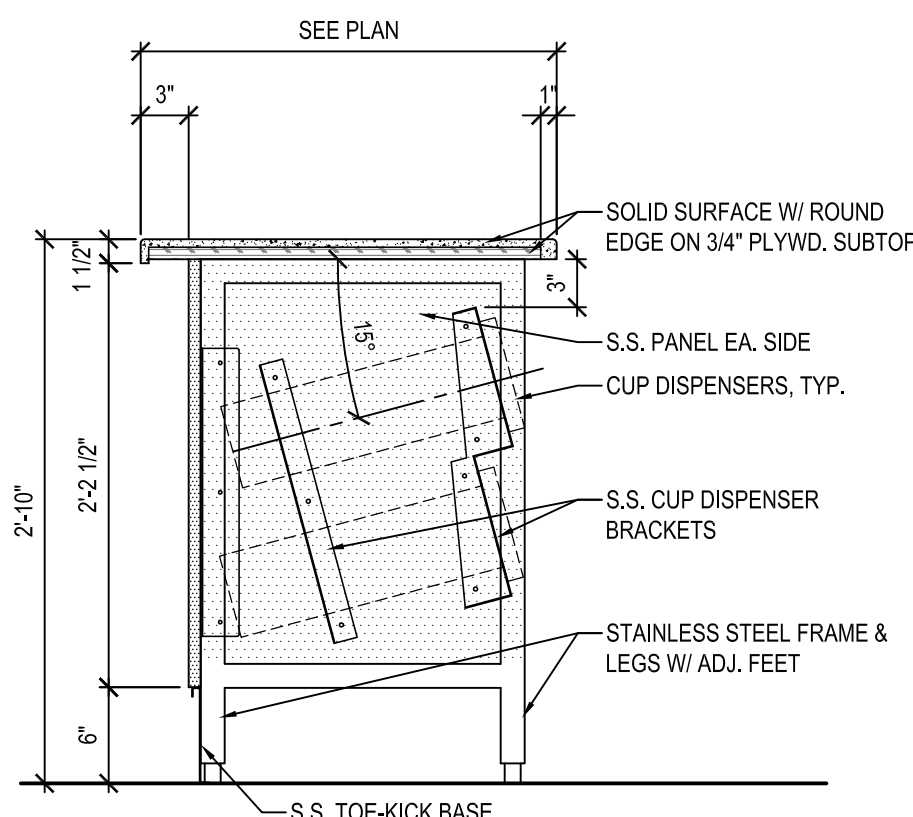
7 LOBBY DRINKS COUNTER
F4 SCALE: 1/2" = 1'-0"

COUNTER NOTES:

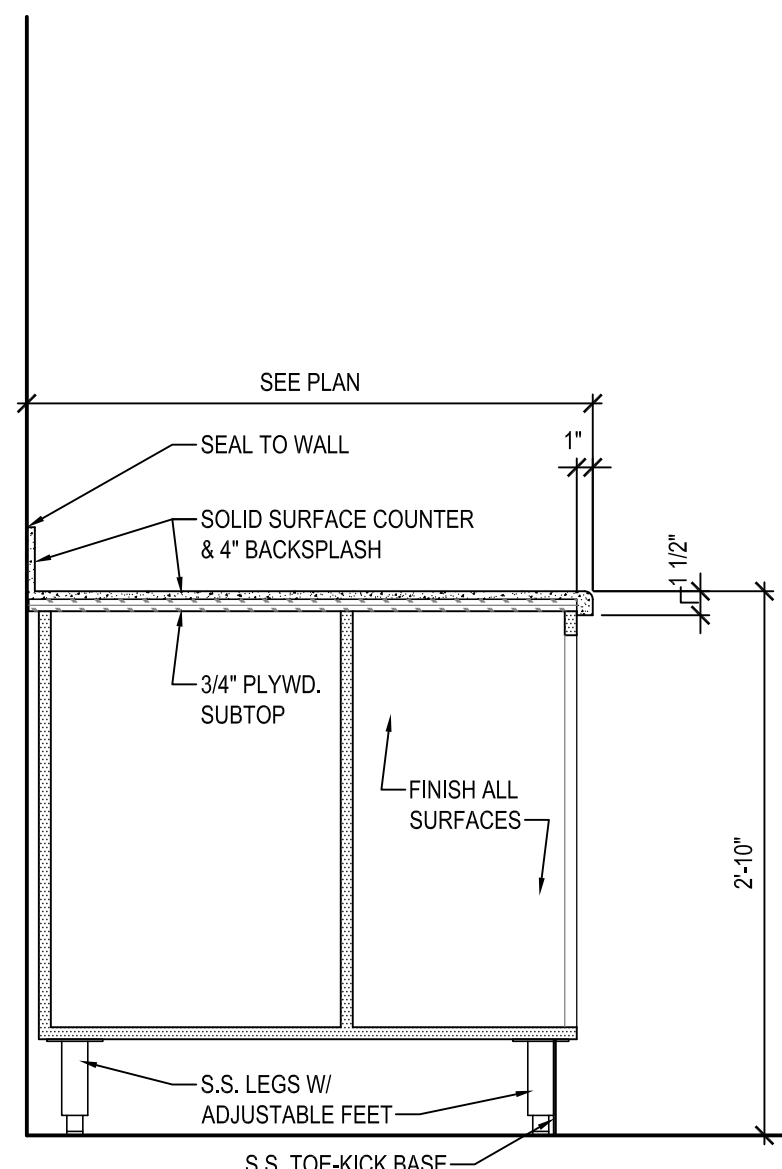
- SOLID SURFACE TOP AND LAMINATED COUNTER FRONT SUPPLIED BY COUNTER MANUFACTURER.
- PLYWOOD TYPICAL BASE CABINET AND COUNTER TOP CONSTRUCTION.
- COUNTER MANUFACTURER TO PROVIDE 1" SCRIBE WHERE COUNTER ABUTS WALL UNLESS OTHERWISE NOTED. G.C. TO SCRIBE CUT IN FIELD.
- PROVIDE SPLINE JOINTS W/ DRAW TIGHT HARDWARE AT ALL COUNTER TOP AND COUNTER FRONT JOINTS.
- GENERAL CONTRACTOR TO VERIFY SIZE OF ALL COUNTER DROP-IN OR CUT-IN EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR ALL FIELD CUTTING, INSTALLATION, SEALING, ETC. PER MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS.
- BASE CABINETS AND COUNTER TOP SUPPLIED BY MANUFACTURER, AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE
- DOOR PULLS - CONCEALED FINGER PULL, SATIN CHROME FINISHED
- CABINET HINGES - CONCEALED HINGE, HALF OVERLAY



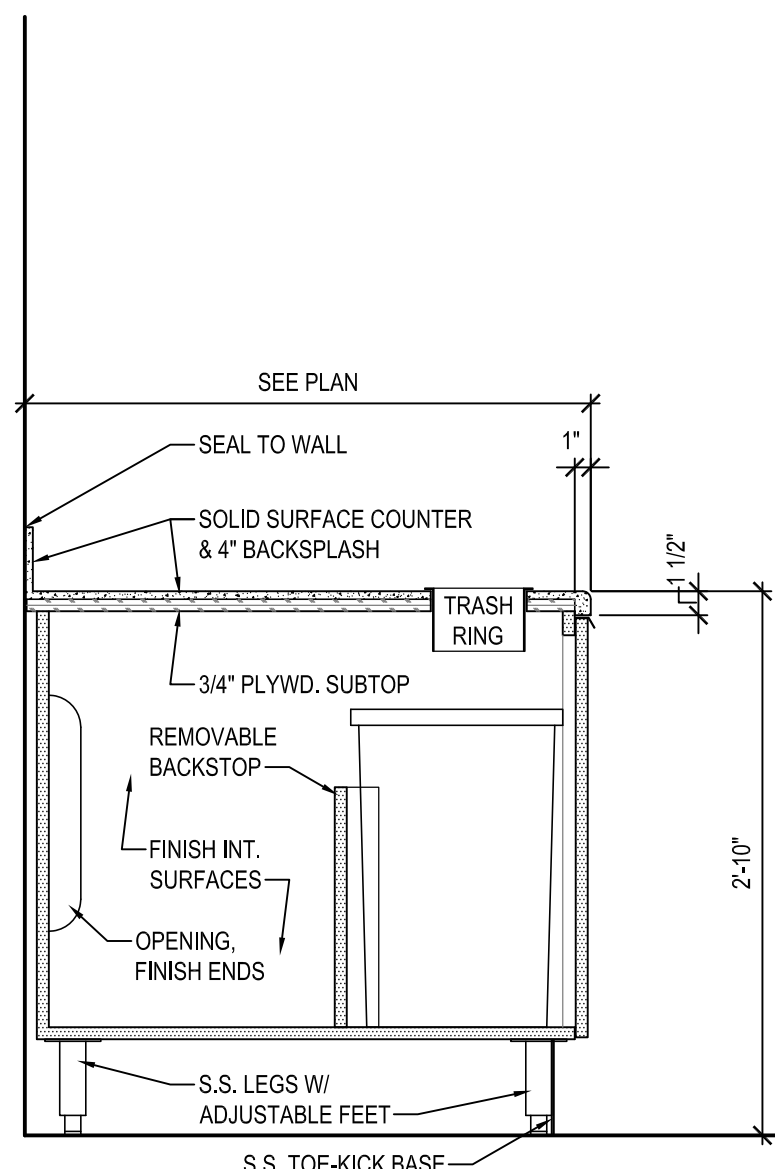
8 FRONT COUNTER
F4 SCALE: 1" = 1'-0"



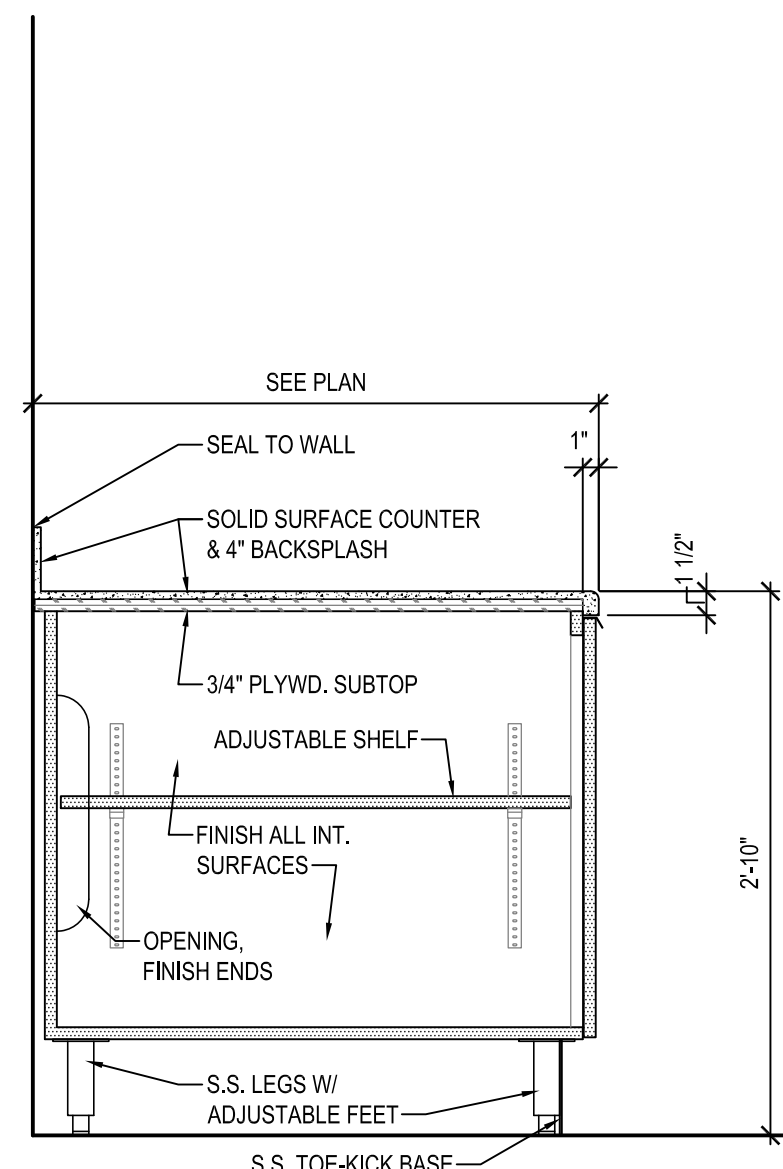
9 FRONT COUNTER
F4 SCALE: 1" = 1'-0"



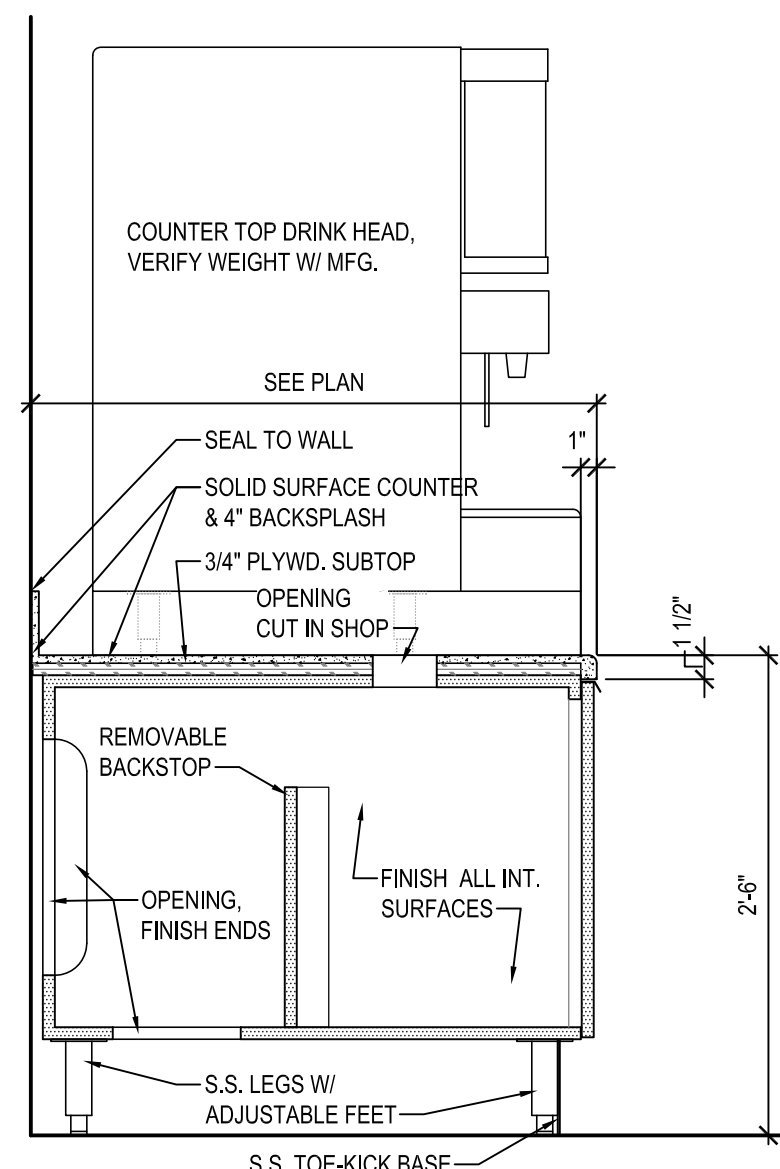
10 DRINKS COUNTER
F4 SCALE: 1" = 1'-0"



11 DRINKS COUNTER
F4 SCALE: 1" = 1'-0"

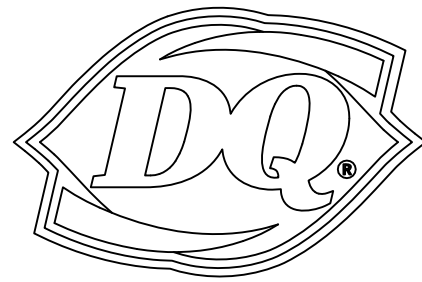


12 DRINKS COUNTER
F4 SCALE: 1" = 1'-0"



13 DRINKS COUNTER
F4 SCALE: 1" = 1'-0"

NEW BUILDING FOR:



GRILL & CHILL

250 SOUTH STUART AVENUE
ELKTON, VA 22827

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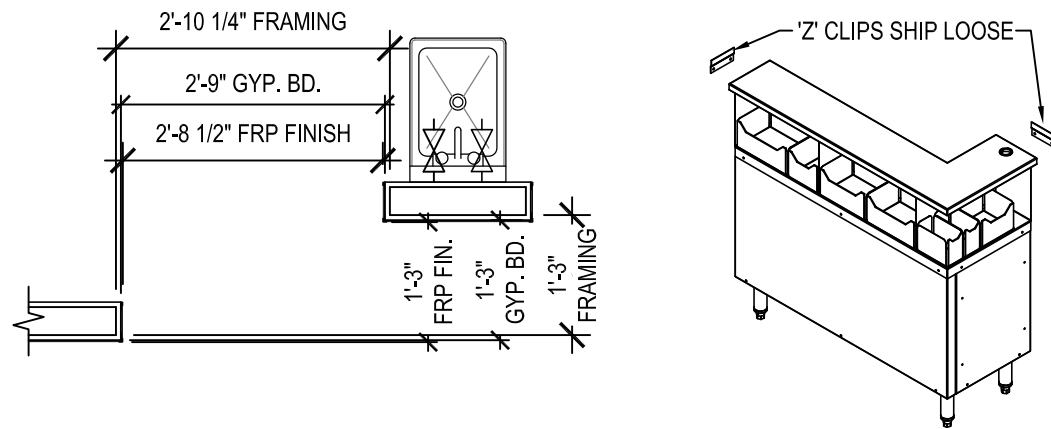
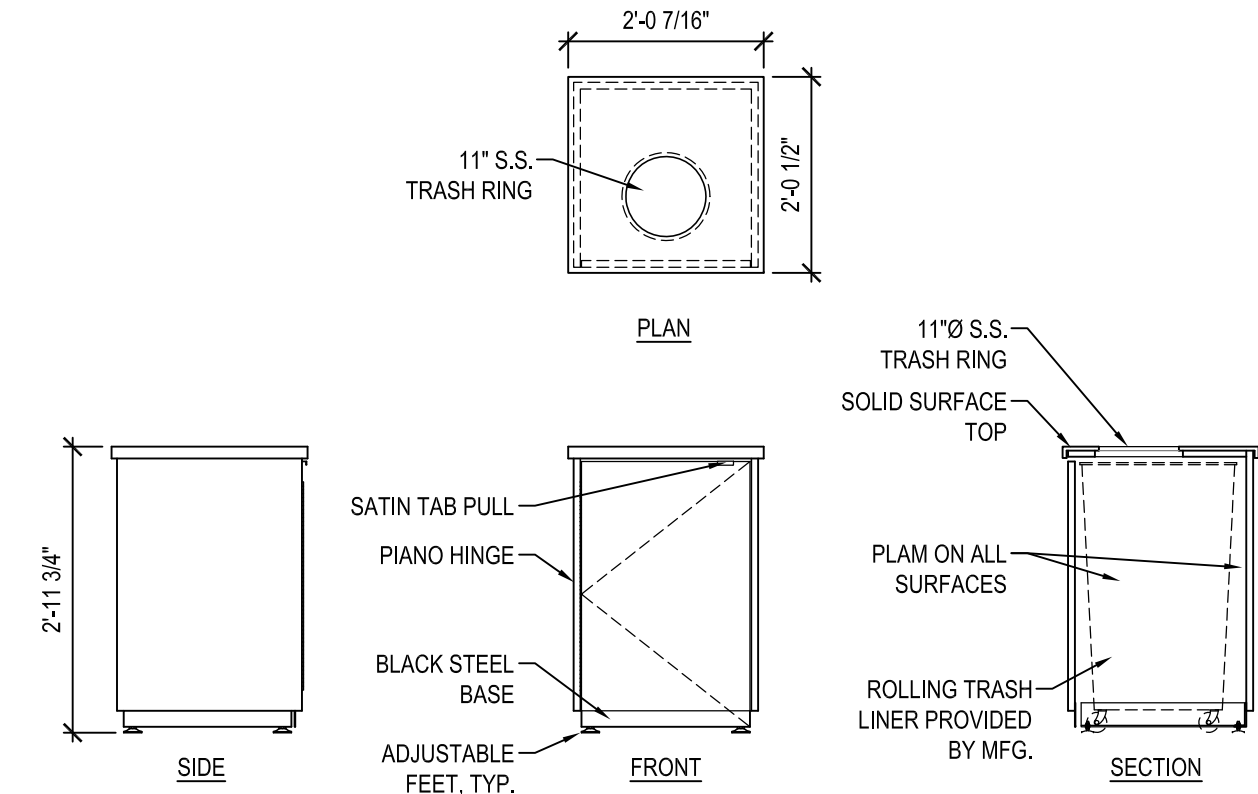
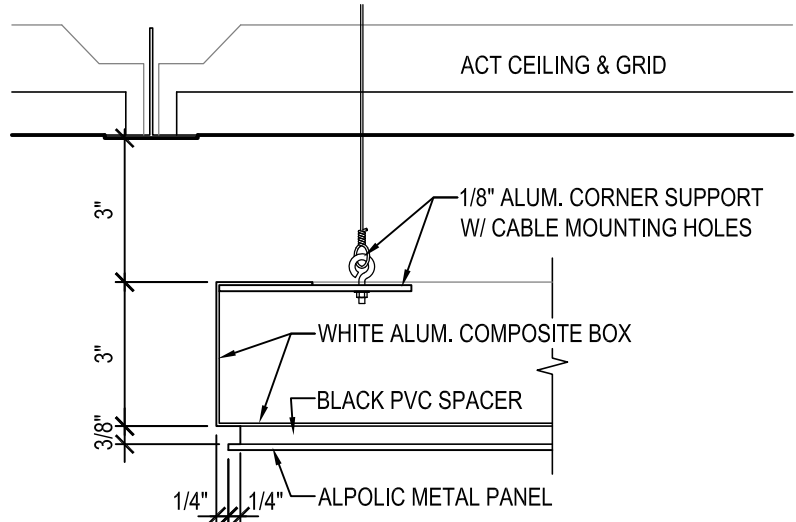
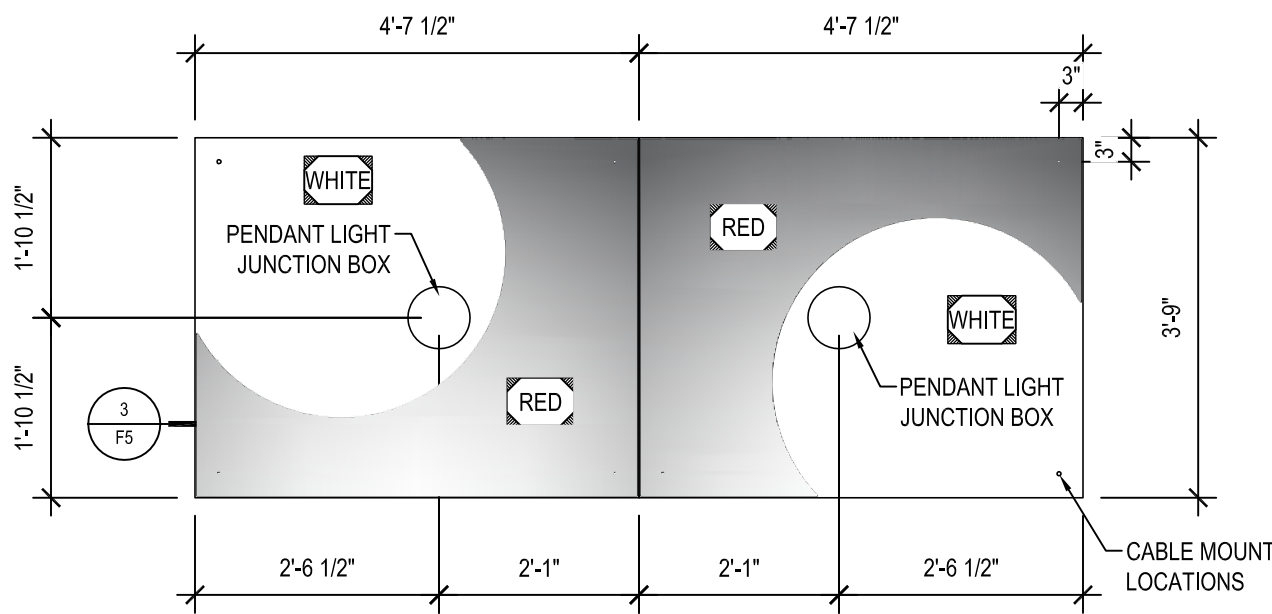
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COUNTER PLANS,
ELEVATIONS,
& DETAILS

SHEET NUMBER:

F4



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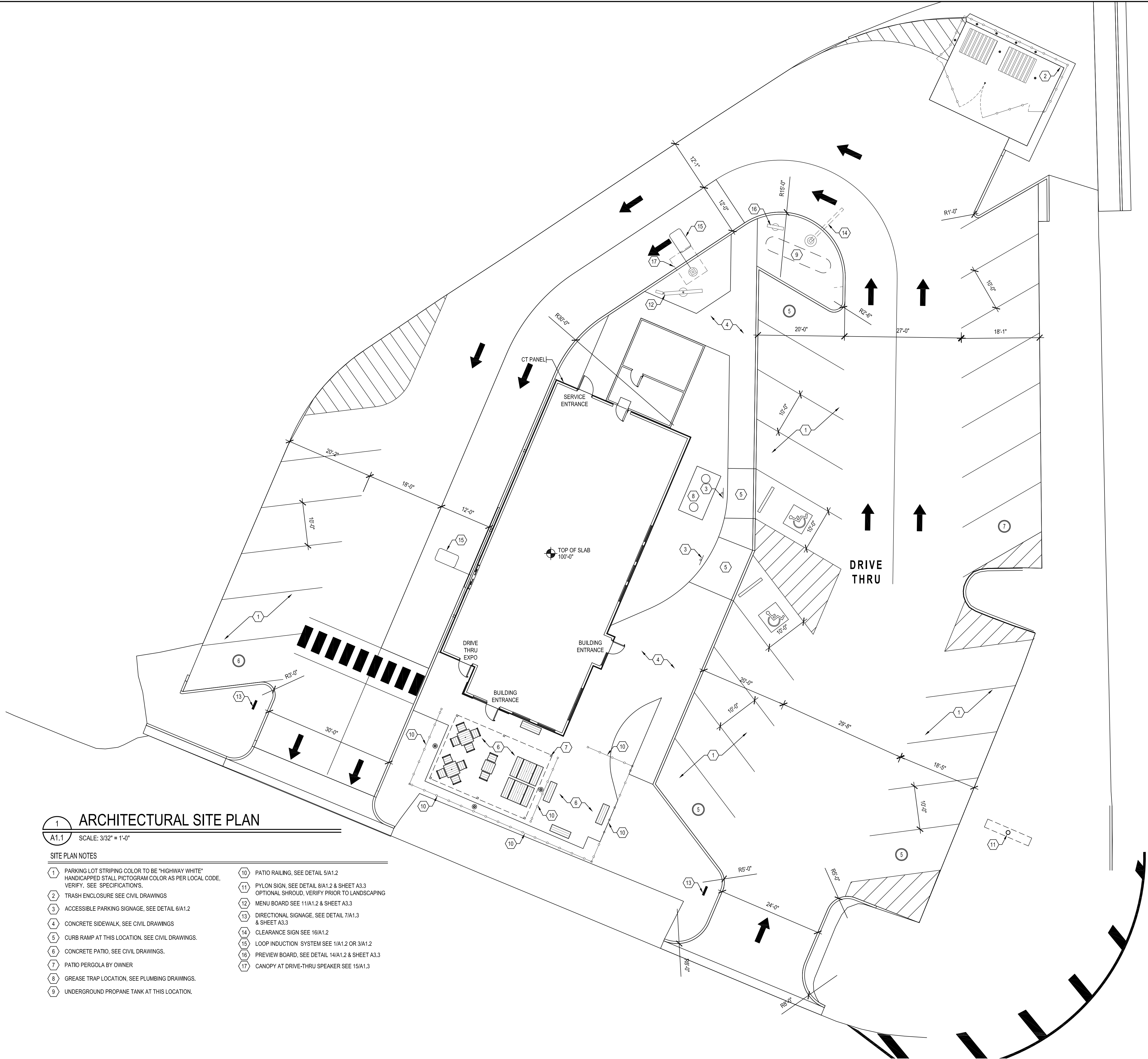
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**MILLWORK
ELEVATIONS &
DETAILS**

SHEET NUMBER:
F5



1 ARCHITECTURAL SITE PLAN

A1.1 SCALE: 3/32" = 1'-0"

SITE PLAN NOTES

- | | |
|---|--|
| 1 PARKING LOT STRIPING COLOR TO BE "HIGHWAY WHITE" HANDICAPPED STALL PICTOGRAM COLOR AS PER LOCAL CODE, VERIFY. SEE SPECIFICATIONS. | 10 PATIO RAILING, SEE DETAIL 6/A1.2 |
| 2 TRASH ENCLOSURE SEE CIVIL DRAWINGS | 11 PYLON SIGN, SEE DETAIL 8/A1.2 & SHEET A3.3 |
| 3 ACCESSIBLE PARKING SIGNAGE, SEE DETAIL 6/A1.2 | 12 OPTIONAL SHROUD, VERIFY PRIOR TO LANDSCAPING |
| 4 CONCRETE SIDEWALK, SEE CIVIL DRAWINGS | 13 MENU BOARD SEE 11/A1.2 & SHEET A3.3 |
| 5 CURB RAMP AT THIS LOCATION, SEE CIVIL DRAWINGS. | 14 DIRECTIONAL SIGNAGE, SEE DETAIL 7/A1.3 & SHEET A3.3 |
| 6 CONCRETE PATIO, SEE CIVIL DRAWINGS. | 15 CLEARANCE SIGN SEE 16/A1.2 |
| 7 PATIO PERGOLA BY OWNER | 16 LOOP INDUCTION SYSTEM SEE 1/A1.2 OR 3/A1.2 |
| 8 GREASE TRAP LOCATION, SEE PLUMBING DRAWINGS. | 17 PREVIEW BOARD, SEE DETAIL 14/A1.2 & SHEET A3.3 |
| 9 UNDERGROUND PROPANE TANK AT THIS LOCATION. | 18 CANOPY AT DRIVE-THRU SPEAKER SEE 15/A1.3 |

NEW BUILDING FOR:



GRILL & CHILL
250 SOUTH STUART AVENUE
ELKTON, VA 22827

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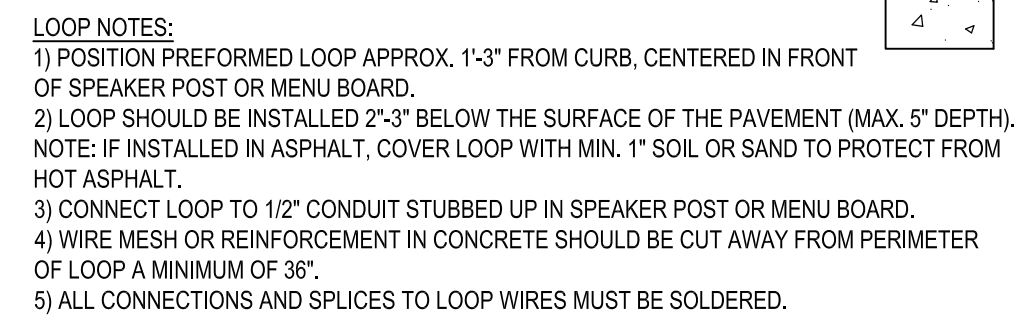
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SITE PLAN &
DETAILS

SHEET NUMBER:

A1.1



A1.2	N.T.S.
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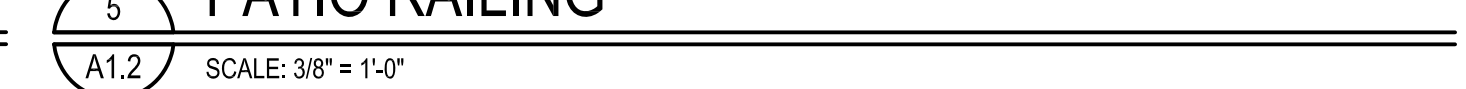
A1.2	N.T.S.
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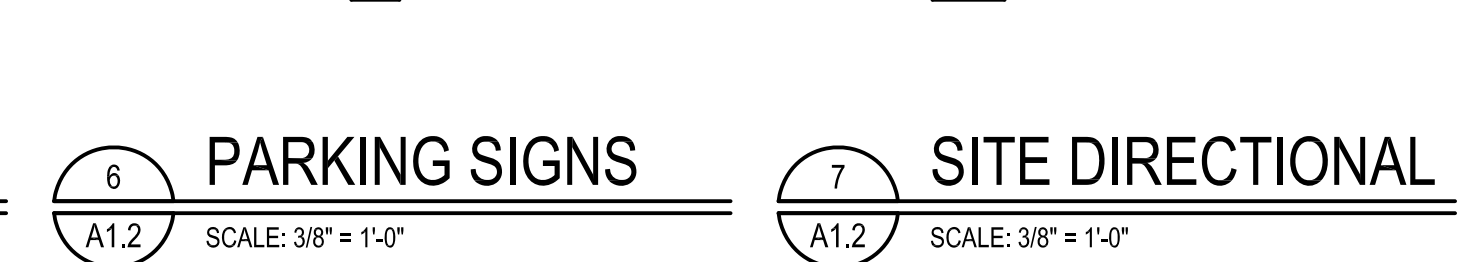
A1.2 SCALE



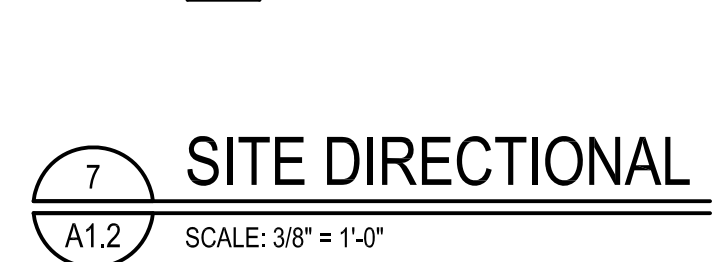
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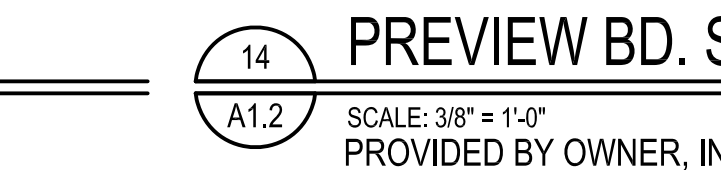
A1.2 SCA



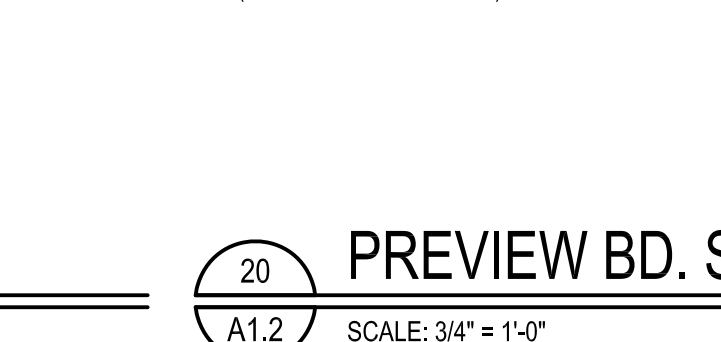
A1.2 SCA



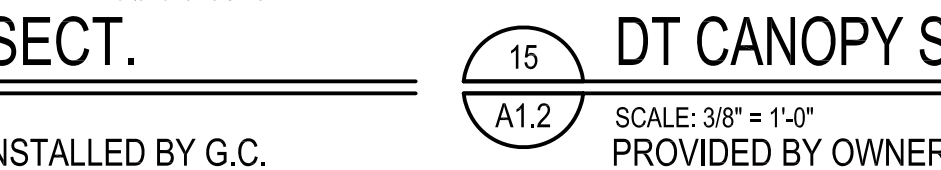
A1.2	SCALING
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— 14 —

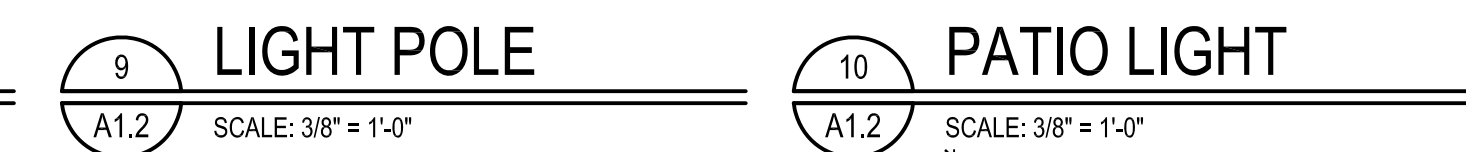

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A1.2 SCAL



LOCAL LEADER BY/CO-OP

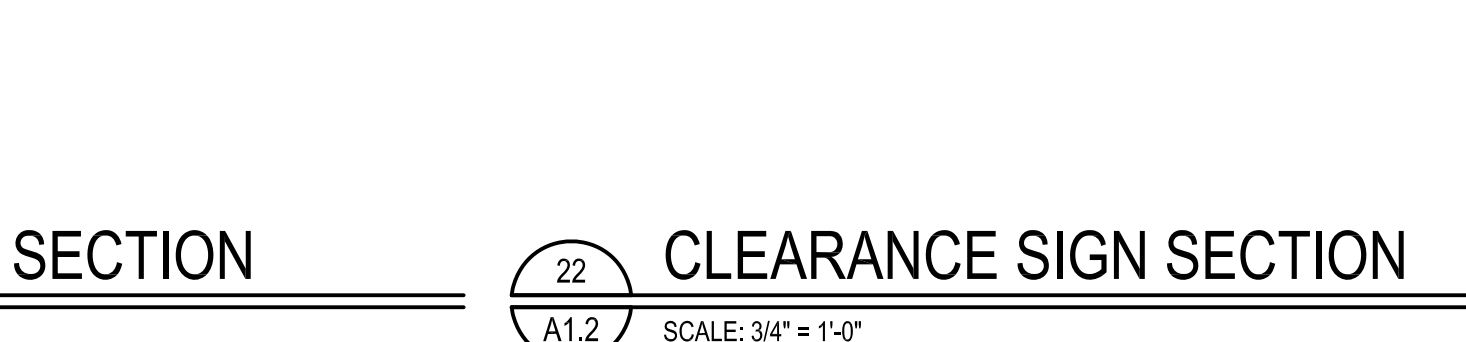




A1.2 SC



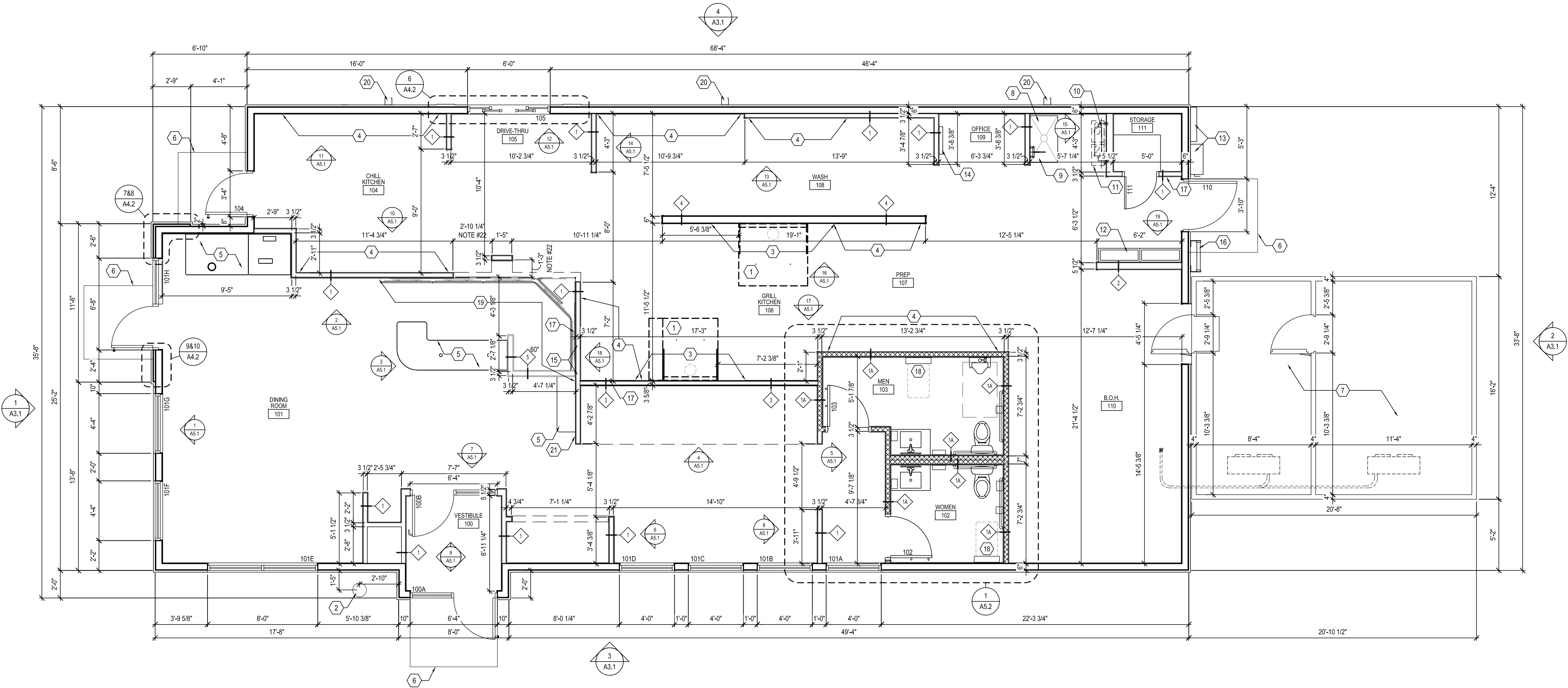
APPROVED BY _____





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SITE EQUIPMENT DETAILS



1 FLOOR PLAN
A2.1 SCALE: 1/4" = 1'-0"

GENERAL NOTES

- UNLESS NOTED OTHERWISE, ALL EXTERIOR DIMENSIONS ARE TO FACE OF SHEATHING.
- UNLESS NOTED OTHERWISE, ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD.
- REFER TO DRAWINGS AND SPECIFICATIONS PREPARED BY EQUIPMENT SUPPLIERS AND MECHANICAL SUPPLIER FOR THEIR UNIQUE REQUIREMENTS. ALL MATERIALS ARE TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

FLOOR PLAN NOTES

- GENERAL CONTRACTOR SHALL INSTALL EXHAUST HOOD PACKAGE AS WELL AS PROVIDE ANY/ALL NECESSARY MATERIALS IN ORDER FOR PROPER HOOD OPERATION. SEE SHEETS F1, F2, E, M SHEETS FOR ADDITIONAL INFORMATION AND DETAILS. ANSUL SYSTEM PROVIDED AND INSTALLED BY HOOD SUPPLIER.
- EXTERIOR RED SPOON. SEE EQUIPMENT PLAN, ELEVATIONS, WALL SECTIONS, & FOUNDATION PLAN
- PROVIDE 5/8" CEMENT BOARD IN LIEU OF SANDED PLYWOOD
- PROVIDE WD. BLOCKING AT WALL. SHELVES COORDINATE EXTENT WITH EQUIPMENT PLAN. SEE DETAIL 5/A6.1
- COUNTERS AND DECOR WALLS ARE PART OF COUNTER MILLWORK PKG. SEE "F" SHEETS FOR PLAN, ELEVATION AND DETAILS.
- CONC STOOP. SEE STRUCTURAL
- GENERAL CONTRACTOR SHALL INSTALL WALK-IN COOLER/FREEZER PACKAGE. PROVIDE SEALED TRIM. FROM COOLER BOX TO SIDE WALL. WALK IN BOX WALLS TYPICALLY 1" FROM EXTERIOR SHEATHING - REFER TO DETAILS WITHIN DRAWING SET.
- RECESSED MOP SINK. SEE DETAIL 6/A6.1
- WATER FILTER SYSTEM. SEE EQUIPMENT PLAN AND SCHEDULES
- INCOMING WATER LOCATION. SEE PLUMBING SHEETS
- WATER HEATERS. SEE PLUMBING DWGS
- ELECTRICAL PANEL. SEE ELEC DWGS - VERIFY W/MANUFACTURER INSTALL REQUIREMENTS
- ELECTRICAL DISCONNECT AND METER SOCKET. SEE ELECTRICAL DRAWINGS.
- PHONE BOARD
- NOTE TO FRAMER - SEE THE SHEAR WALL SCHEDULE ON THE STRUCTURAL SHEETS FOR SHEATHING TO BE PLACED ALONG THE INTERIOR WALL AT THIS LOCATION.
- ROOF ACCESS LADDER.
- FIRE EXTINGUISHER INSTALLED AT THIS LOCATION.
- G.C. TO VERIFY AND PROVIDE BLOCKING PER MANUFACTURERS REQUIREMENTS
- G.C. TO PROVIDE AND INSTALL 2x8 HORIZONTAL WOOD BLOCKING (LET IN) TO STUDS BEHIND GYP. BD., TOP OF BLOCKING TO BE AT 94 7/8" AFF AND 107" AFF. MIN. LENGTH OF BLOCKING AS NOTED, END OF BLOCKING MUST LAND ON STUD.
- ROOF SCUPPER DOWNSPOUT
- THE GENERAL CONTRACTOR IS TO PROVIDE / INSTALL A SIGN AT THIS LOCATION THAT STATES: "MAXIMUM OCCUPANCY 75". THE SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND AND BE MAINTAINED BY THE OWNER
- EQUIPMENT IN THIS AREA HAS CRITICAL INSTALLATION DIMENSIONS. SEE SHEET F5.

PARTITION TYPES

- 2x4 WOOD FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE
- 2x4 WOOD FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE. PROVIDE FULL THICKNESS SOUND BATT INSULATION TO 3" ABOVE CEILING
- 2x6 WOOD FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE
- 3-5/8" 20 GA. METAL STUD FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE.
- 6" 20 GA. METAL STUD FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE.
- 2x4 WOOD FRAMING @ 16" O.C., PARTIAL HEIGHT WALL SEE PLAN FOR HEIGHT

WALL SURFACE GENERAL NOTES:

- PROVIDE 5/8" GYP. BD. ON ALL WALL SURFACES UNLESS NOTED OTHERWISE
- PROVIDE MOISTURE RESISTANT GYP. BD. AT WET WALL LOCATIONS.
- THE INTERIOR SIDE OF THE EXTERIOR FRAMED WALLS SHALL HAVE THE GYP BOARD OR SANDED PLYWOOD EXTENDED TO THE ROOF DECK ABOVE. AT THE INTERIOR WALLS, THE CONTRACTOR IS TO EXTEND THE GYP BOARD OR SANDED PLYWOOD TO 3" ABOVE THE LINE OF THE FINISHED CEILING AND PROVIDE FIRE BLOCKING AS REQUIRED. AT INTERIOR WALL LOCATIONS WHERE KRAFT FACED INSULATION IS PROVIDED, THE CONTRACTOR SHALL EXTEND THE GYP BOARD / SANDED PLYWOOD / DUROCK FULL HEIGHT TO THE UNDERSIDE OF THE ROOF DECK ABOVE. KRAFT FACED INSULATION SHALL NOT BE EXPOSED ABOVE THE LINE IF THE FINISHED CEILING.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL INSTALL 5/8 GYP BOARD ON WALL SURFACES IN *VESTIBULE 100, DINING ROOM 101, MEN 102, WOMEN 103.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL INSTALL 5/8" SANDED PLYWOOD ON WALL SURFACES IN *CHILL KITCHEN 104, DRIVE THRU 105, GRILL KITCHEN 106, PREP 107, WASH 108, OFFICE 109, BOH 110, STORAGE 111*.

PROVIDE FIRE BLOCKING IN WALL STUD CAVITIES. INSTALL FIRE BLOCKING AT 10'-0" ABOVE FINISHED FLOOR IN WALL CAVITY.

NEW BUILDING FOR:



AMERICAN DAIRY QUEEN
MINNEAPOLIS, MN U.S.A.
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LICENSE NUMBER 0401017034

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ISSUE DATE: 04/27/26
REVISION DATE: 04/27/26 ORIGINAL ISSUE
A2.1

FLOOR PLAN

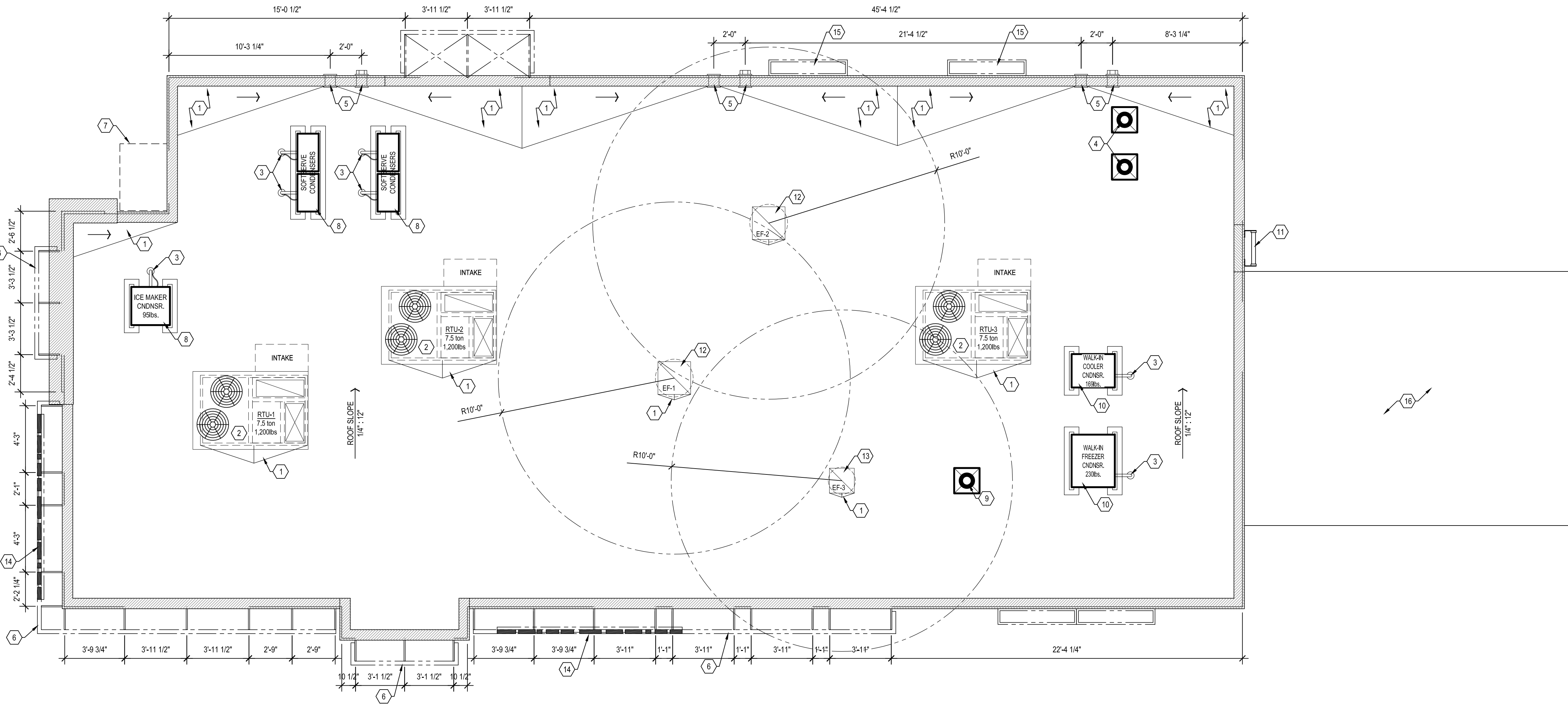
SHEET NUMBER:
A2.1

GENERAL NOTES

- UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO FACE OF EXTERIOR SHEATHING.
- ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR: ALL ROOF FLASHING AND COUNTER FLASHING, PROVIDING AND INSTALLING SWALES, SCUPPERS, GUTTERS, DOWNSPOUTS AND ANY OTHER ROOF DRAINAGE ITEMS AS REQUIRED
- COORDINATE LOCATION AND SIZE OF ALL ROOF TOP EQUIPMENT WITH MECHANICAL AND STRUCTURAL
- RTU MUST BE PROPERLY ALIGNED ON ROOF CURB TO ENSURE AIR SUPPLY AND RETURNS ARE NOT OBSTRUCTED.
- GENERAL CONTRACTOR TO PROVIDE AND INSTALL A FLEXIBLE WALKWAY SYSTEM ON ROOFTOP FROM POINT OF ROOF ACCESS TO ALL ITEMS THAT REQUIRE SERVICE.
- WHITE 50 MIL. PVC ROOF SYSTEM. NATIONAL PRICING AVAILABLE THROUGH DUROLAST SEE NATIONAL VENDORS LIST.
- WHITE 50 MIL. PVC ROOF SYSTEM AT WALK-IN. PROVIDED BY WALK-IN SUPPLIER INSTALLED BY G.C.
- MAINTAIN 3" CLEAR DIMENSION FROM END OF EYEBROW/CANOPY TO CHIMNEY FINISH OR EXTERIOR WALL FINISH
- G.C. TO COORDINATE HVAC/REFRIGERATION INSTALLATION WITH FINAL ROOF INSPECTION

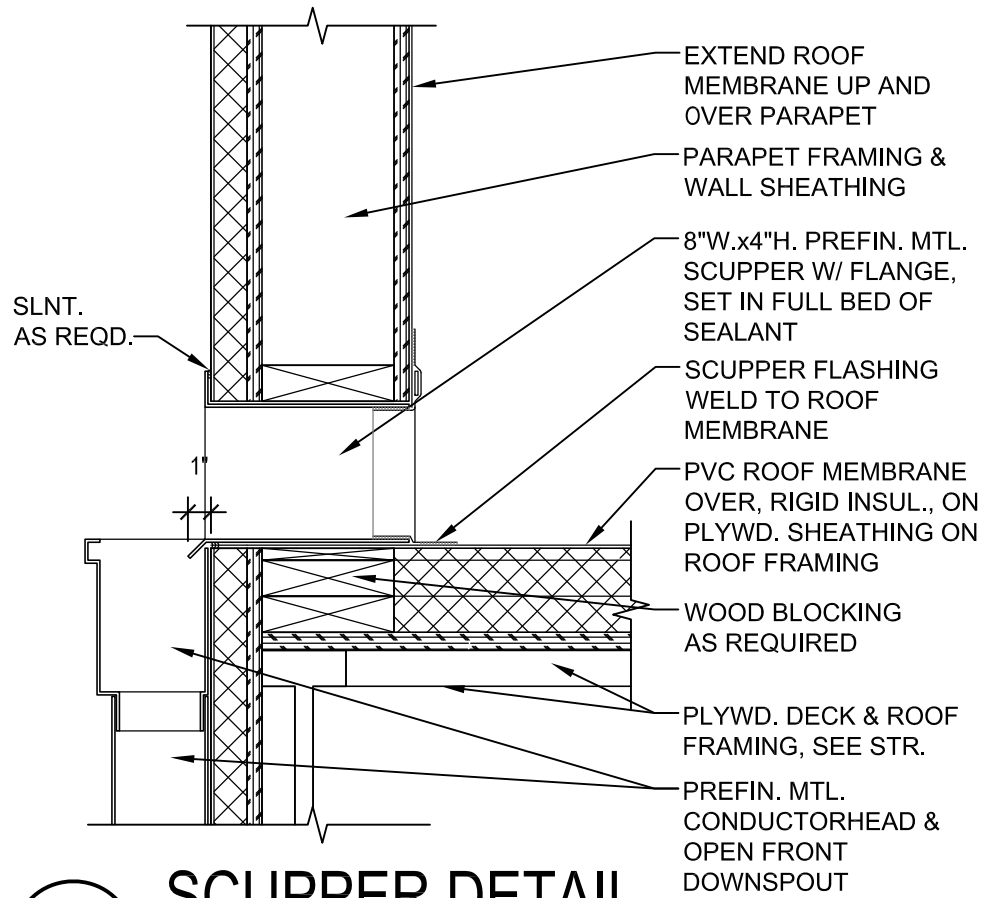
ROOF PLAN NOTES

- TAPERED ROOF INSULATION
- HVAC EQUIPMENT & CURBS BY MECHANICAL CONTRACTOR, SEE 6/A2.2
- REFRIGERATION LINESET PENETRATION AS REQUIRED, SEE 7/A2.2. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
- WATER HEATER EXHAUST AND COMBUSTION AIR INTAKE. VERIFY ROOF PENETRATION REQUIREMENTS, SPACING, AND HEIGHTS WITH MANUFACTURERS REQUIREMENTS AND PREVAILING CODES, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
- THRU WALL SCUPPER TO DOWNSPOUT AND THRU WALL OVERFLOW SCUPPER, SEE 2/A2.2 & 3/A2.2. ROOFING CONTRACTOR TO COORDINATE WITH EIFS INSTALLERS TO PROVIDE A LEAKPROOF ASSEMBLY. WRAP AND SEALPROOF IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS
- PREFINISHED METAL EYEBROW
- AWNING
- CONDENSER, SEE 5/A2.2 & SEE MECH. DRAWINGS FOR INSTALLATION REQMTS & UNIT WEIGHTS. SHIM AS REQUIRED TO ENSURE UNITS ARE PLUMB AND LEVEL
- PLUMBING VENT, SEE 4/A2.2. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
- ROOFTOP CONDENSERS AND LINE-SETS PART OF WALK-IN COOLER/FREEZER PACKAGE
- ROOFTOP ACCESS LADDER, SEE EXTERIOR ELEVATIONS.
- COOKING LINE EXHAUST FAN, SEE 6/A2.2 & MECH. DRAWINGS FOR INSTALLATION REQMTS & UNIT WEIGHTS. MUST MAINTAIN 10'-0" CLEARANCE FROM ALL AIR INTAKE
- RESTROOM EXHAUST FAN, SEE 6/A2.2 & MECH. DRAWINGS FOR INSTALLATION REQMTS & UNIT WEIGHTS
- EYEBROW MOUNTED "GRILL & CHILL" SIGN
- OUTDOOR POS VALANCE SEE DETAIL 11/A4.2. PART OF METALS PACKAGE, COORDINATE INSTALLATION WITH WALL WASHER FIXTURE "MM"
- CONTRACTOR TO INSTALL A DUROLAST ROOF MEMBRANE OVER THE EXTERIOR WALK IN BOX.



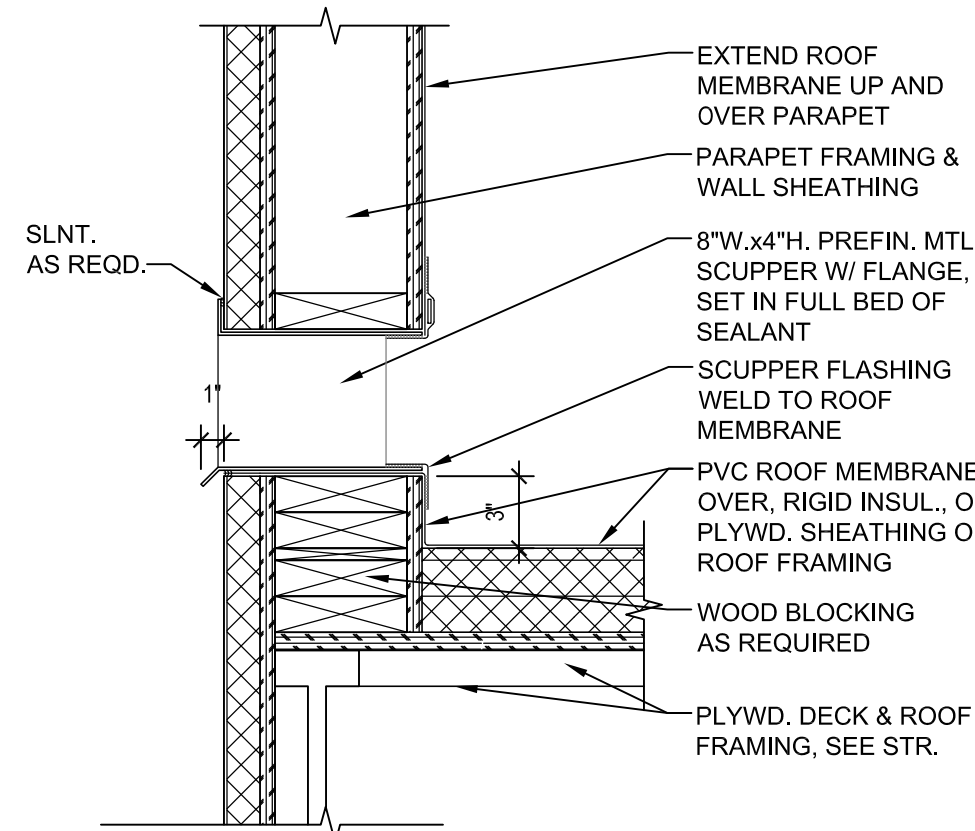
1 ROOF PLAN

A2.2 SCALE: 1/4" = 1'-0"



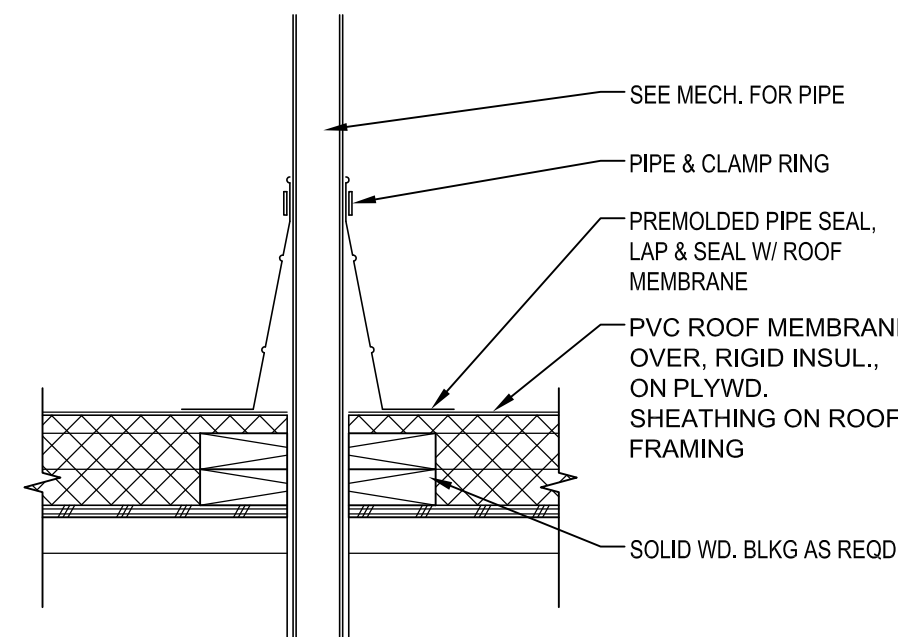
2 SCUPPER DETAIL

A2.2 SCALE: 1 1/2" = 1'-0"



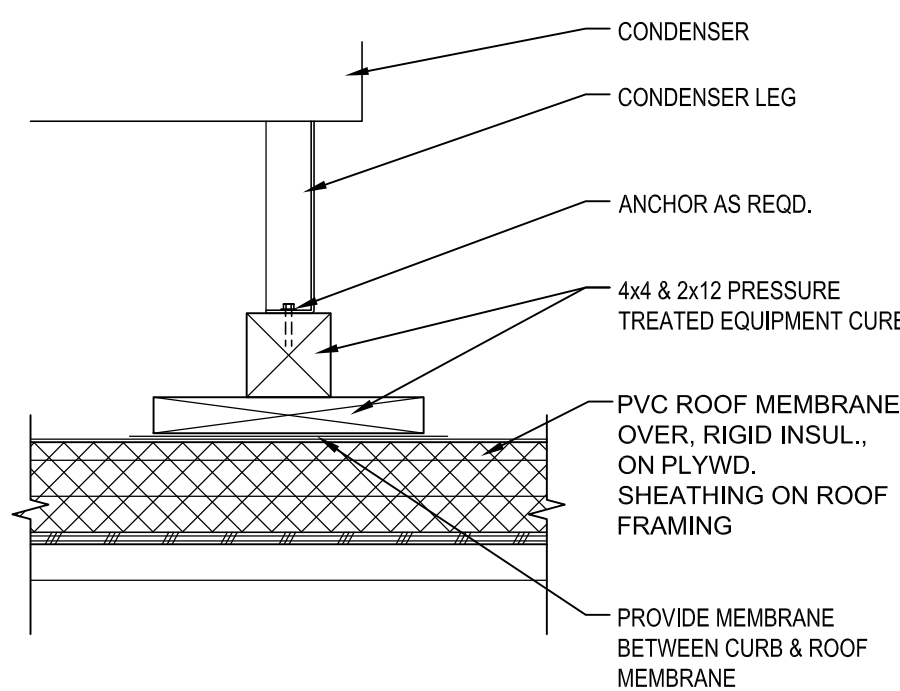
3 OVERFLOW SCUPPER DTL.

A2.2 SCALE: 1 1/2" = 1'-0"



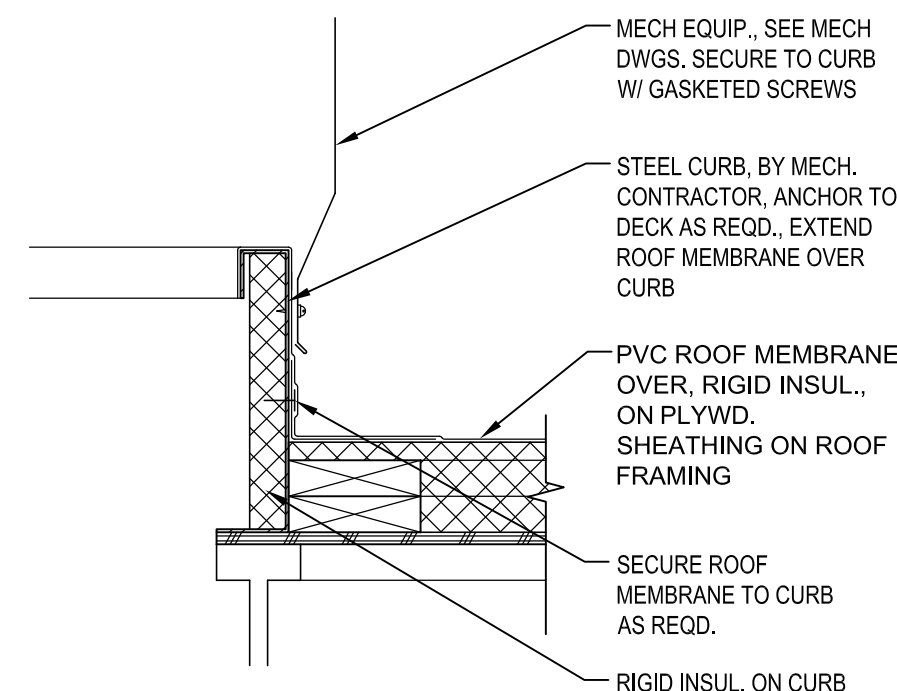
4 PIPE PENETRATION DTL.

A2.2 SCALE: 1 1/2" = 1'-0"



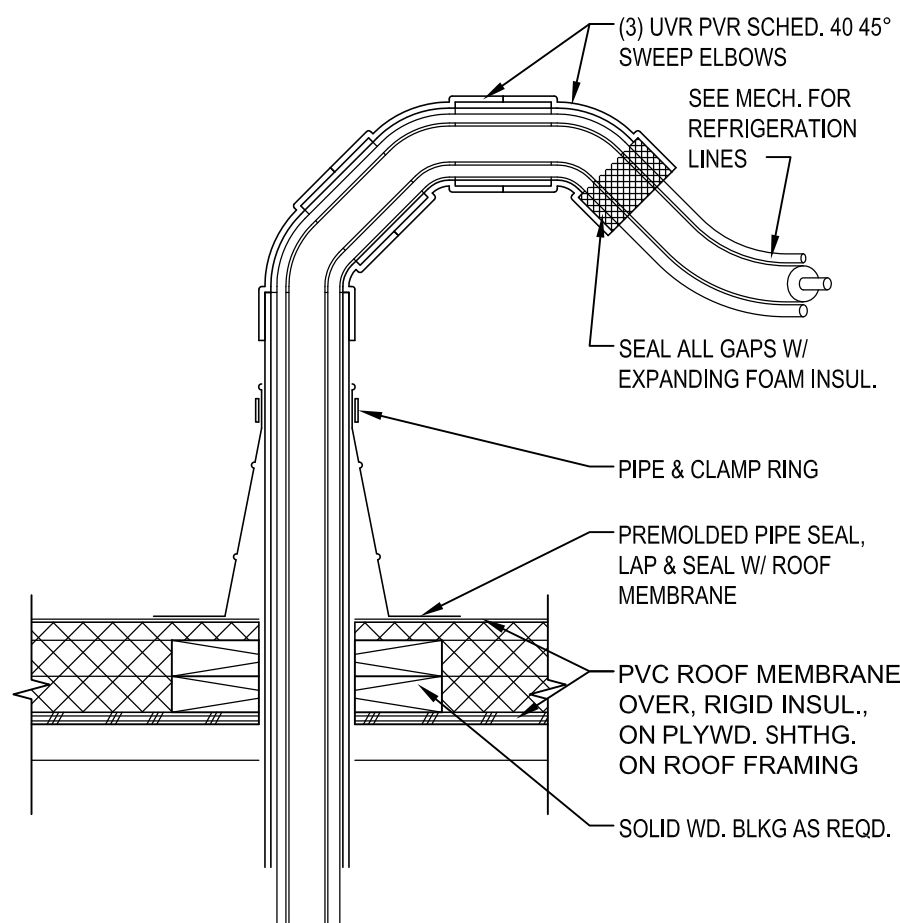
5 CONDENSER CURB DTL.

A2.2 SCALE: 1 1/2" = 1'-0"



6 MECH. CURB DETAIL

A2.2 SCALE: 1 1/2" = 1'-0"



7 REF. PIPE PENETRATION DTL.

A2.2 SCALE: 1 1/2" = 1'-0"

NEW BUILDING FOR:

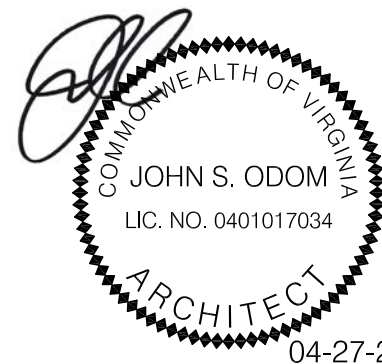


GRILL & CHILL.

250 SOUTH STUART AVENUE
ELKTON, VA 22827

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MINNEAPOLIS, MN U.S.A.

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04/27/26

ORIGINAL ISSUE

ROOF PLAN & DETAILS

SHEET NUMBER:

A2.2

NEW BUILDING FOR:



GRILL & CHILL

250 SOUTH STUART AVENUE
ELKTON, VA 22827

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ELEVATIONS

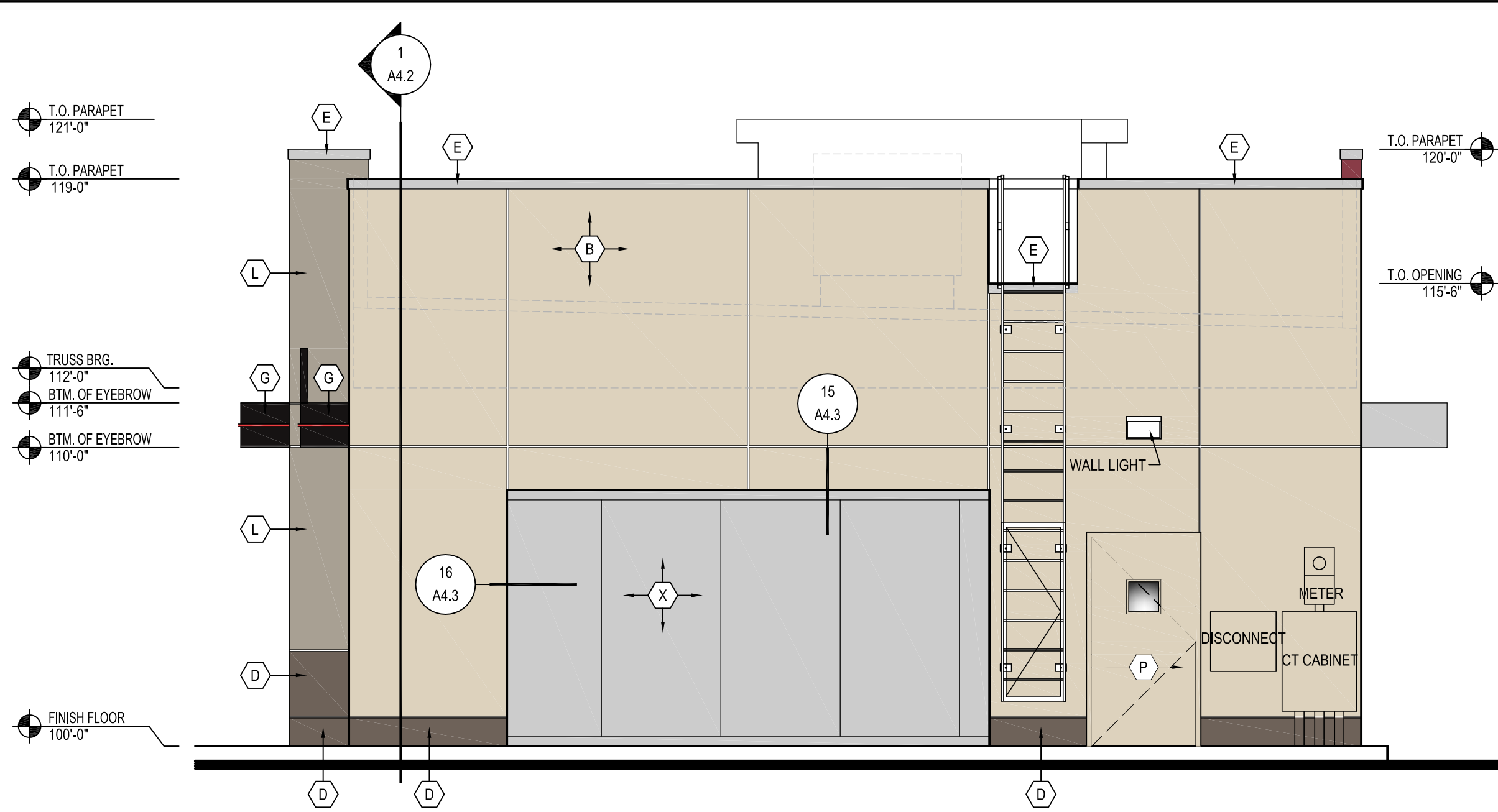
SHEET NUMBER:

A3.1



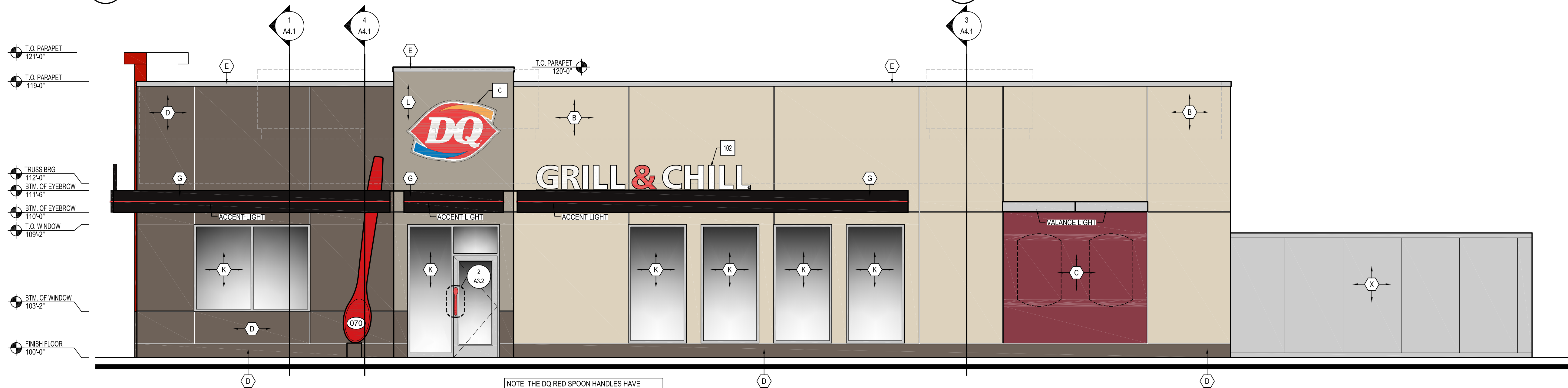
1 FRONT ELEVATION

A3.1 SCALE: 1/4" = 1'-0"



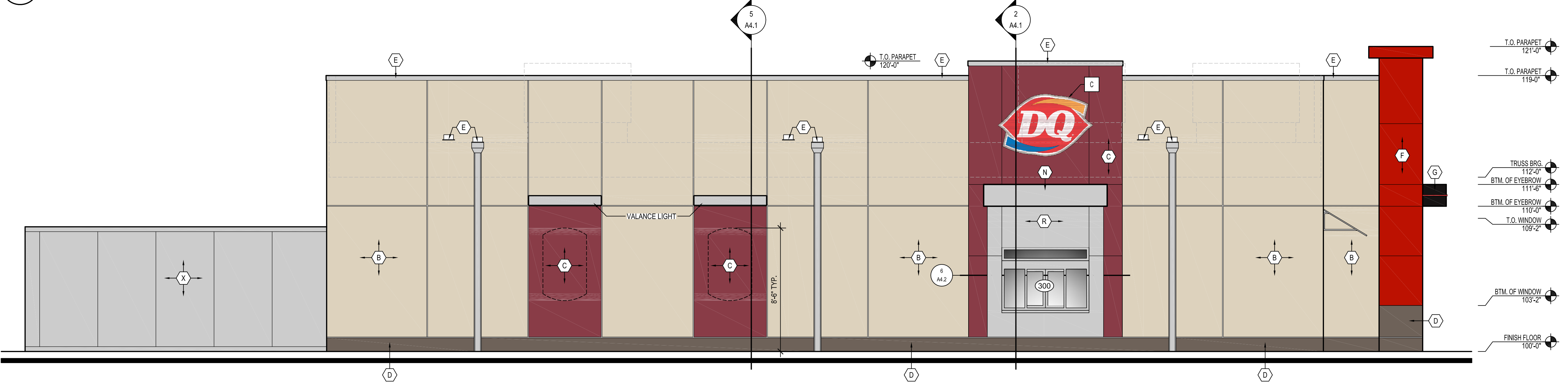
2 REAR ELEVATION

A3.1 SCALE: 1/4" = 1'-0"



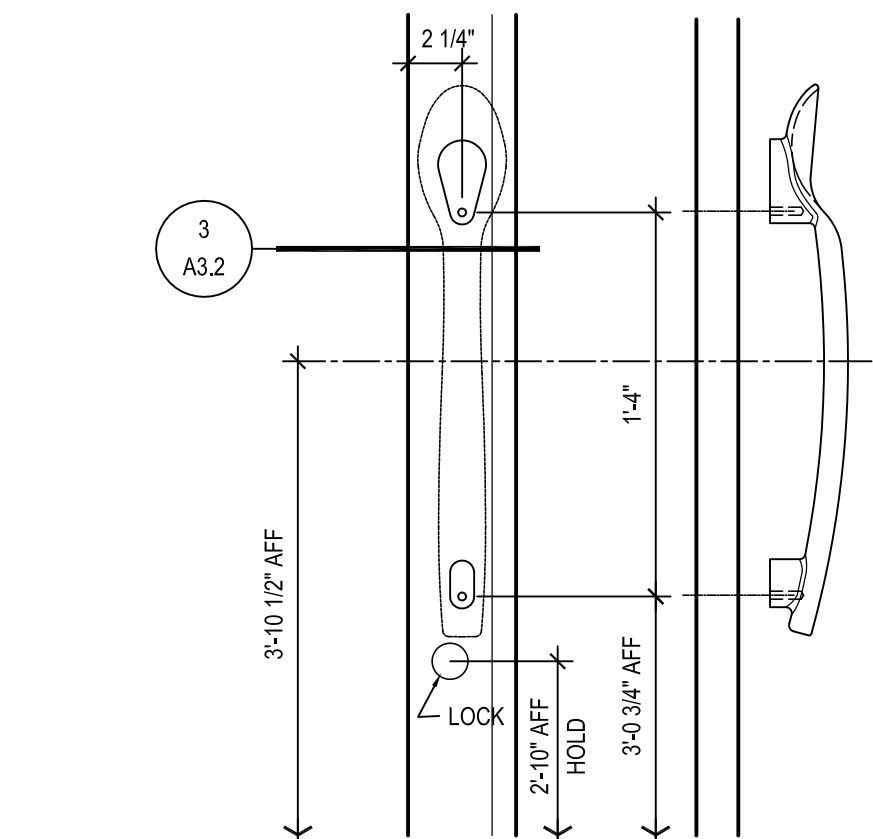
3 ENTRANCE ELEVATION

A3.1 SCALE: 1/4" = 1'-0"



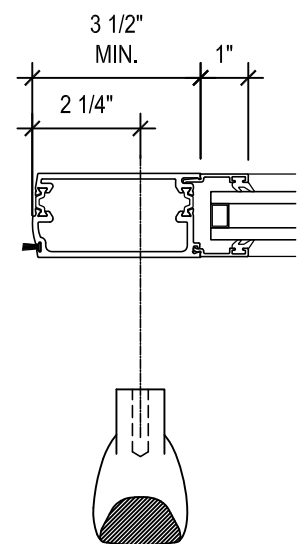
4 DRIVE-THRU ELEVATION

A3.1 SCALE: 1/4" = 1'-0"



2 SPOON HANDLE DETAIL

A3.2 SCALE: 1 1/2" = 1'-0"



3 SPOON HANDLE DETAIL

A3.2 SCALE: 3" = 1'-0"

EXTERIOR ELEVATION KEYNOTES:

(B) EIFS: (LIGHT)
MFR: STO CORPORATION
COLOR: NA19-0021 (MATCHES BENJAMIN MOORE, TEMPORAL SPIRIT 965)
FINISH: 310 STO (FINE SAND)
NOTE: PROVIDE HIGH IMPACT EIFS FROM GRADE TO 3'-0" A.F.F.
LRV: 64

(C) EIFS: (RED)
MFR: STO CORPORATION
COLOR: NA19-0022 (MATCHES BENJAMIN MOORE, CALIENTE AF-290)
FINISH: 130D STOLIT 1.0D (FINE SAND)
NOTE: PROVIDE HIGH IMPACT EIFS FROM GRADE TO 3'-0" A.F.F.
LRV: 7

(D) EIFS: (DARK)
MFR: STO CORPORATION
COLOR: NA19-0023 (MATCHES BENJAMIN MOORE, DEEP CREEK 1477)
FINISH: 130D STOLIT 1.0D (FINE SAND)
NOTE: PROVIDE HIGH IMPACT EIFS FROM GRADE TO 3'-0" A.F.F.
LRV: 13

(E) COPING & SCUPPERS:
MFR: EXCEPTIONAL METALS
MATL: 24 GA. STEEL
COLOR: SILVER METALLIC
FINISH: KYNAR 500
VENDOR: DURO-LAST

(F) METAL EYEBROW, OUTRIGGERS, & FLASHINGS:
MFR: HOLCIM (FORMERLY FIRESTONE UNA-CLAD)
MATL: .040 ALUMINUM
COLOR: EXTRA DARK BRONZE
FINISH: KYNAR 500
VENDOR: SIGNAGE OR ARCHITECTURAL METALS. SEE NATIONAL VENDORS LIST

(K) STOREFRONT:
STYLE: 2"x4 1/2"
FINISH: CLEAR ANODIZED
GLAZING: CLEAR, 1" INSULATED, LOW E

(L) EIFS: (MEDIUM)
MFR: STO CORPORATION
COLOR: NA20-0019 (MATCHES BENJAMIN MOORE, WILLOW CREEK #1468)
FINISH: 310 STO (FINE SAND)
NOTE: PROVIDE HIGH IMPACT EIFS FROM GRADE TO 3'-0" A.F.F.

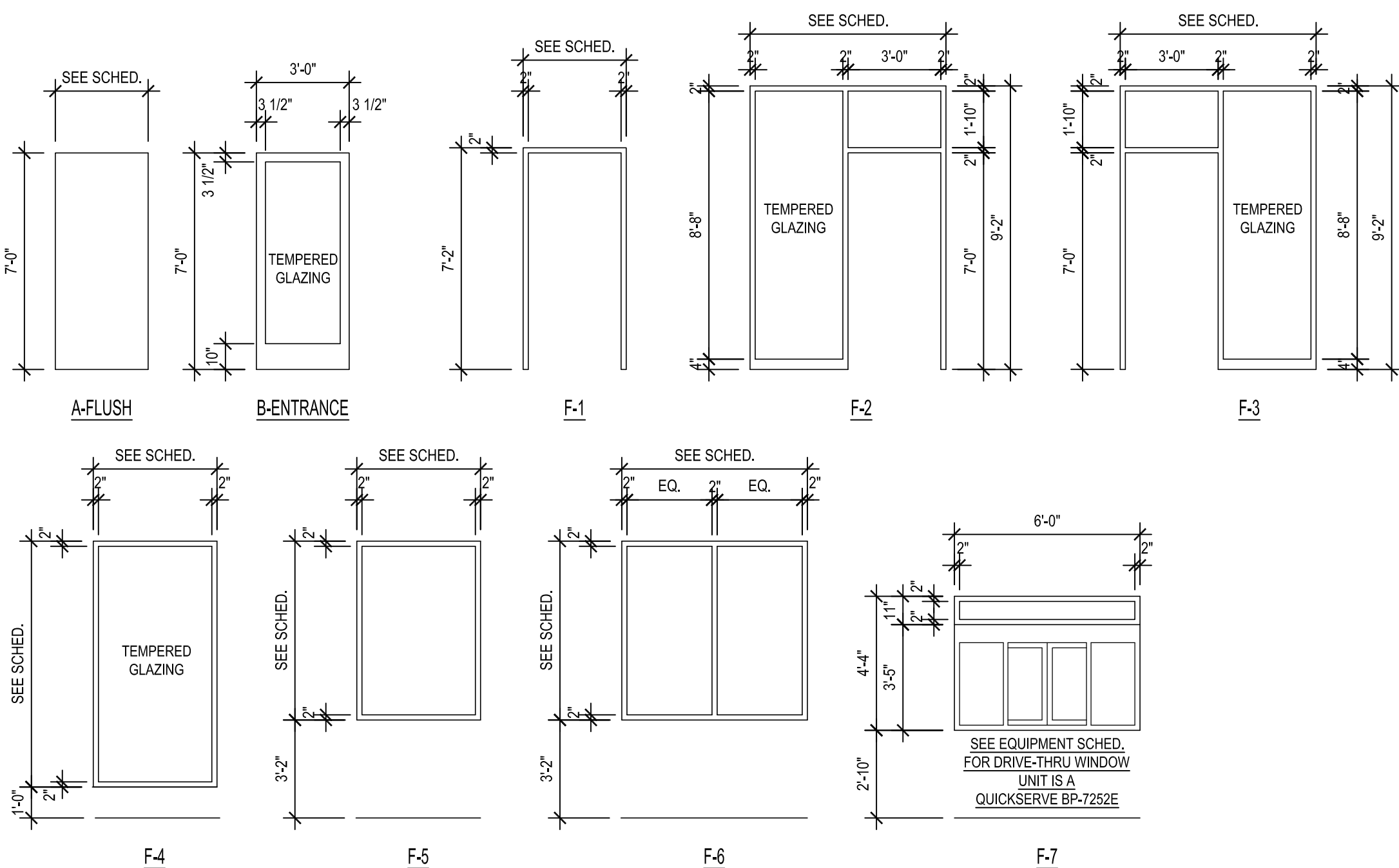
(P) PAINT:
MFR: BENJAMIN MOORE
COLOR: TEMPORAL SPIRIT 965
PRODUCT: COROTECH COMMAND WATERBORNE ACRYLIC URETHANE SATIN (V392)
PRIMER ON FERROUS METAL: COROTECH PREP ALL UNIVERSAL METAL PRIMER (V132)

(O) TRASH ENCLOSURE SOLID COLOR STAIN:
MFR: BENJAMIN MOORE
COLOR: DEEP CREEK 1477
PRODUCT: ARBORCOAT WATERBORNE SOLID DECK & SIDING STAIN #640
PRIMER: SELF PRIMING ON MOST SURFACES (SEE TECH. DATA SHEET FOR DETAILS)

(O1) TRASH ENCLOSURE PAINT:
MFR: BENJAMIN MOORE
COLOR: DEEP CREEK 1477
PRODUCT: COROTECH COMMAND WATERBOURNE ACRYLIC URETHANE SATIN (V392)
PRIMER: FIRST COAT OF LISTED PRODUCT

(T) AWNING:
MFR: SUNBRELLA
COLOR: FIRESIST GREY 62030
VENDOR: SIGNAGE OR SIGN SOURCE, SEE NATIONAL VENDORS LIST

(X) WALKIN COOLER/FREEZER:
MFR: KOLPAK
COLOR: FACTORY FINISH
VENDOR: WASSERSTROM
NOTE: SEE EQUIPMENT SCHEDULE FOR DETAILS



1 DOOR & FRAME TYPES

A3.2 SCALE: 1/4" = 1'-0"

OPENING SCHEDULE NATIONAL ACCOUNT DOOR AND FRAME SUPPLIER (PLAM, WOOD AND H.M.) HAMILTON PARKER, SEE NATIONAL VENDORS LIST

OPNG. NO.	OPENING LOCATION	FRAME			DOOR			FIRE RATING	HARDWARE GROUP	NOTES:
		SIZE	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH		
100A	VESTIBULE (EXT.)	6'-4" x 9'-2" x 4 1/2"	F-2	ALUM	CLR	B	ALUM.	CLR	-	E1 SEE 3/3.2 & 4/A3.2 FOR DOOR HANDLE INSTALLATION
100B	VESTIBULE (EXT.)	6'-4" x 9'-2" x 4 1/2"	F-3	ALUM	CLR	B	ALUM.	CLR	-	E2 SEE 3/3.2 & 4/A3.2 FOR DOOR HANDLE INSTALLATION
101A	DINING ROOM	4'-0" x 8'-2" x 4 1/2"	F-4	ALUM	CLR	-	-	-	-	-
101B	DINING ROOM	4'-0" x 8'-2" x 4 1/2"	F-4	ALUM	CLR	-	-	-	-	-
101C	DINING ROOM	4'-0" x 8'-2" x 4 1/2"	F-4	ALUM	CLR	-	-	-	-	-
101D	DINING ROOM	4'-0" x 8'-2" x 4 1/2"	F-4	ALUM	CLR	-	-	-	-	-
101E	DINING ROOM	8'-0" x 6'-0" x 4 1/2"	F-6	ALUM	CLR	-	-	-	-	-
101F	DINING ROOM	4'-4" x 6'-0" x 4 1/2"	F-6	ALUM	CLR	-	-	-	-	-
101G	DINING ROOM	4'-4" x 6'-0" x 4 1/2"	F-6	ALUM	CLR	-	-	-	-	-
101H	DINING ROOM	6'-8" x 9'-2" x 4 1/2"	F-2	ALUM	CLR	B	-	-	-	E1 SEE 3/3.2 & 4/A3.2 FOR DOOR HANDLE INSTALLATION
102	RESTROOM	3'-4" x 7'-2" x 5 3/4"	F-1	HM	PNT	A	PC	-	-	R1 UNDERCUT BY 1". - PLAM: WILSONART NORTH SEA D90-60
103	RESTROOM	3'-4" x 7'-2" x 5 3/4"	F-1	HM	PNT	A	PC	-	-	R1 UNDERCUT BY 1". - PLAM: WILSONART NORTH SEA D90-60
104	CHILL KITCHEN	3'-4" x 7'-2" x 4 1/2"	F-1	ALUM	CLR	B	ALUM.	CLR	-	E1 SEE 3/3.2 & 4/A3.2 FOR DOOR HANDLE INSTALLATION
105	DRIVE-THRU	6'-0" x 4'-4" x 4 1/2"	F-7	ALUM	CLR	-	-	-	-	- QUICKSERVE BP-7252E
110	SERVICE	3'-10" x 7'-2" x 5 3/4"	F-1	HM	PNT	A	HM	-	-	S1 12" X 12" WINDOW IN DOOR WITH WIRE SAFETY GLAZING.
111	STORAGE	2'-8" x 7'-2" x 5 3/4"	F-1	HM	PNT	A	PC	-	-	R2 UNDERCUT BY 1". - PLAM: WILSONART NORTH SEA D90-60

NOTES:

- PARTICLE CORE DOORS: SIZE AS PER PLAN AND SCHEDULE. ALL EDGES/SURFACES TO BE COVERED WITH PLASTIC LAMINATE.
- HOLLOW METAL DOOR(S): SIZE AS PER PLAN AND SCHEDULE, (HOT ROLLED LEVEL 2 MODEL 2) STEEL TO BE 18 GA., INTERIOR TO BE FOAM INSULATION, WITH INTEGRAL REINFORCEMENT FOR CLOSURE AND PANIC HARDWARE.
- GLAZING (TYPICAL AT ALL): CLEAR, 1" INSULATED, LOW E

ALUM = ALUMINUM
HM = HOLLOW METAL
PC = PARTICLE CORE
CLR = ANODIZED ALUMINUM CLEAR FINISH
PNT = SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR COLOR

HARDWARE GROUPS NATIONAL ACCOUNT DOOR AND FRAME SUPPLIER (PLAM, WOOD AND H.M.) HAMILTON PARKER, SEE NATIONAL VENDORS LIST

GROUP #E1: TYPICAL EXTERIOR EGRESS DOOR HARDWARE
CLOSER: HAGER MFG. MODEL #5200 SPR CSH CLOSER.

- HINGE(S): HAGER MFG., MDL #B81199 32DB WITH NON-REMOVABLE HINGE PINS. 4.5" X 4.5" X 0.180" THK., (4) HINGES PER LEAF.
- KEYED CYLINDERS: HAGER MFG., MDL# 3902 MORTISE CYLINDER, PROVIDE (2) KEYS PER DOOR, ALL CYLINDERS KEYED ALIKE. (MOUNTED AT 34" AFF, COORDINATE W/ SPOON HANDLE)

- SPOON HANDLE (PROVIDED & INSTALLED BY ALUM. STOREFRONT CONTRACTOR, AVAILABLE FROM HJC. SEE ADD. NATIONAL VENDORS LIST)
- HAGER 4500 SERIES RIM PANIC HARDWARE, (OR SIMILAR WITH ARCHITECT APPROVAL)
- SWEEP: HAGER MFG., MDL #801SB, MIL ALUM FINISH, SIZED TO FIT DOOR WIDTH.
- THRESHOLD: HAGER MFG., MDL #412S, MIL ALUM FINISH, SIZED TO FIT DOOR OPENING WIDTH.
- WEATHERSTRIPPING:

- GROUP #F1: TYPICAL SINGLE OCCUPANCY RESTROOM DOOR
-CLOSER: HAGER MFG. MODEL #5200 CLOSER.
-HINGES: HAGER MFG., MDL #ECBB 1100 US26D, 4.5" X 4.5" X 0.134" THK., (3) HINGES PER LEAF.
-KICK PLATE: HAGER MFG., MDL#190S 18 Ga. 34"W X 10"H X 0.05" THK. (MOUNTING HOLES PREDRILLED AT FACTORY, INSTALLED ON PUSH SIDE OF DOOR).
-STOP: DOOR: HAGER MFG., MDL #232W 32D, BRUSHED CHROME, 2 1/2" DIA. WALL MOUNT.
-INDICATOR LOCK: SCHLAGE B571626
-(2) 4x16 PUSH PLATES - DRILLED
-PULL HANDLE: HAGER 3E320

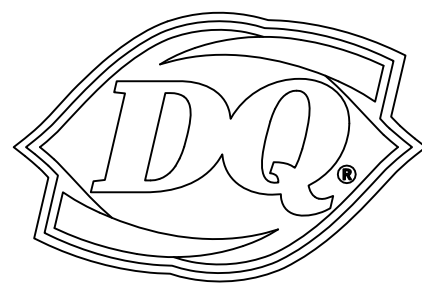
- HARDWARE PART OF DOOR MANUFACTURERS PACKAGE
- THE DQ RED SPOON HANDLES HAVE SPECIAL INSTALLATION REQUIREMENTS. ALUMINUM STOREFRONT MANUFACTURER MUST COORDINATE LOCK / PANIC HARDWARE & HANDLE HEIGHTS.

GROUP #E2: TYPICAL INTERIOR VESTIBULE DOOR

- CLOSER: HAGER MFG. MODEL #5200 SPR CSH CLOSER.
- HINGE(S): HAGER MFG., MDL #B81199 32DB WITH NON-REMOVABLE HINGE PINS. 4.5" X 4.5" X 0.180" THK., (4) HINGES PER LEAF.
- PUSH/PULL: HAGER MFG., MDL#159D LH COMBO 32DB, & MDL#159D RH COMBO 32DB.
- FLOOR STOP: HAGER 241F 26D DOME LOW STOP, (1) PER LEAF

- HARDWARE PART OF DOOR MANUFACTURERS PACKAGE
- NOTE: DEADBOLT LOCK NOT ALLOWED ON THIS DOOR SET

NEW BUILDING FOR:



GRILL & CHILL

250 SOUTH STUART AVENUE
ELKTON, VA 22827

AMERICAN DAIRY QUEEN
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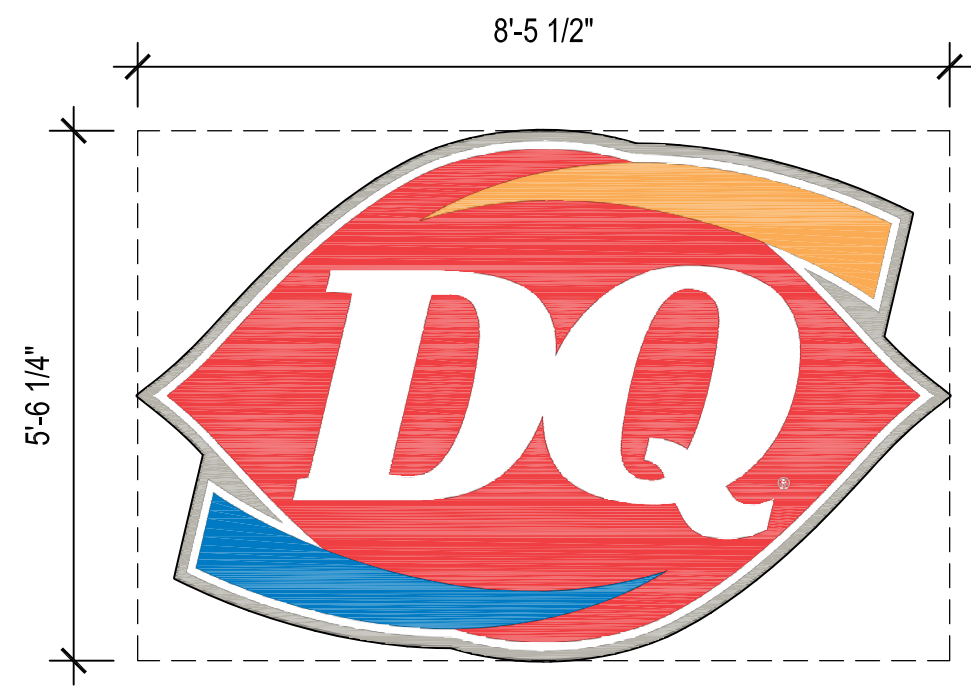
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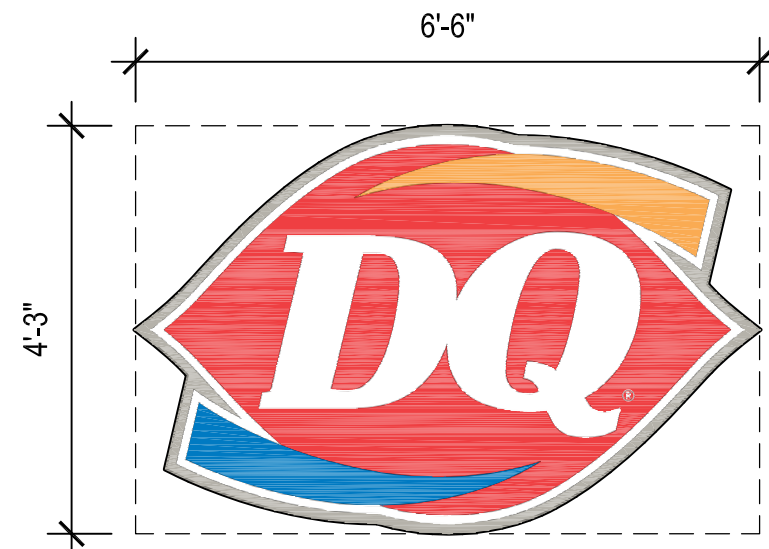
ELEVATIONS,
DOOR & FRAME
TYPES

SHEET NUMBER:

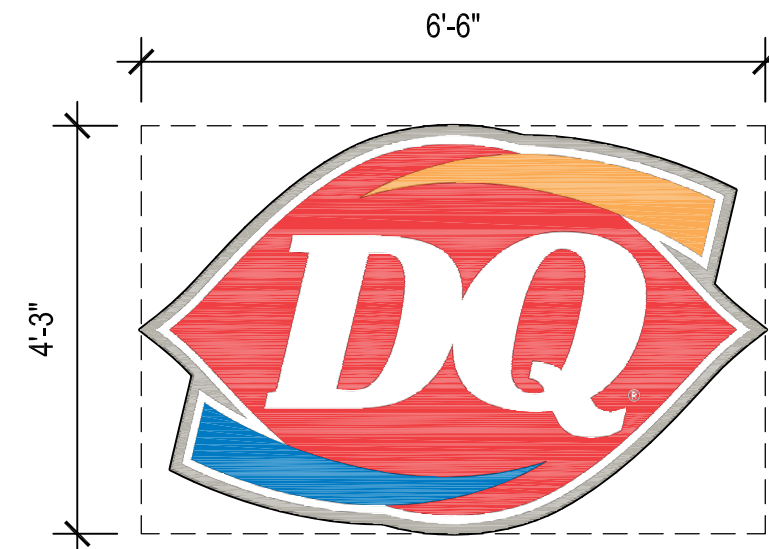
A3.2



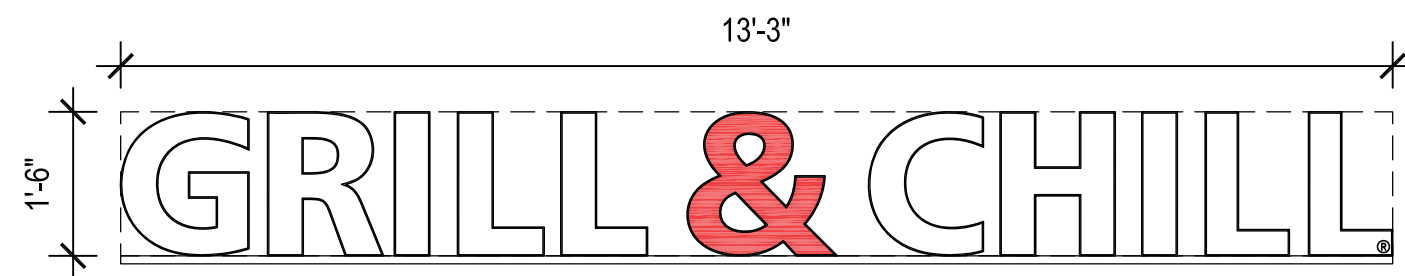
B DAIRY QUEEN LOGO (ILLUM.)
PROFILE = 33.1 SF RECTANGULAR = 46.7 SF



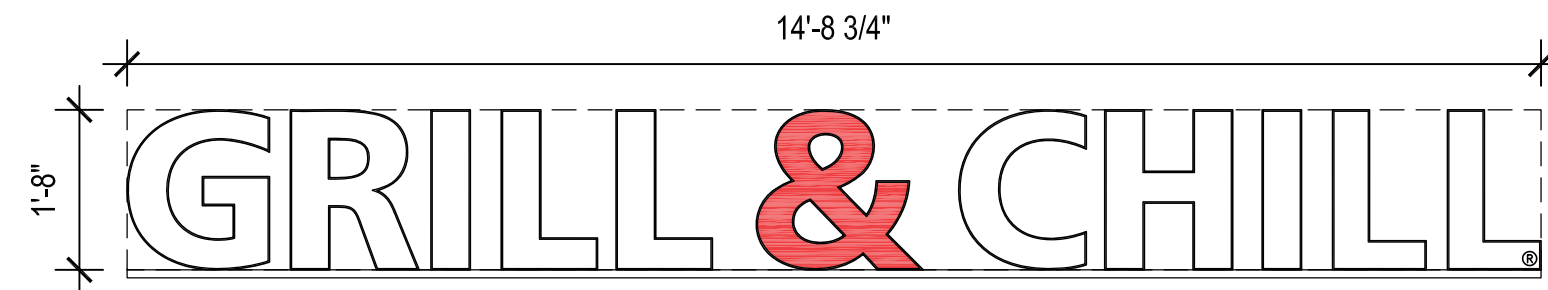
C DAIRY QUEEN LOGO (ILLUM.)
PROFILE = 19.6 SF RECTANGULAR = 27.6 SF



C DAIRY QUEEN LOGO (ILLUM.)
PROFILE = 19.6 SF RECTANGULAR = 27.6 SF



103 1'-6" H. CHANNEL LETTERS
INTERNALLY ILLUMINATED
PROFILE AREA: 9.90 SF RECTANGULAR AREA: 19.88 SF

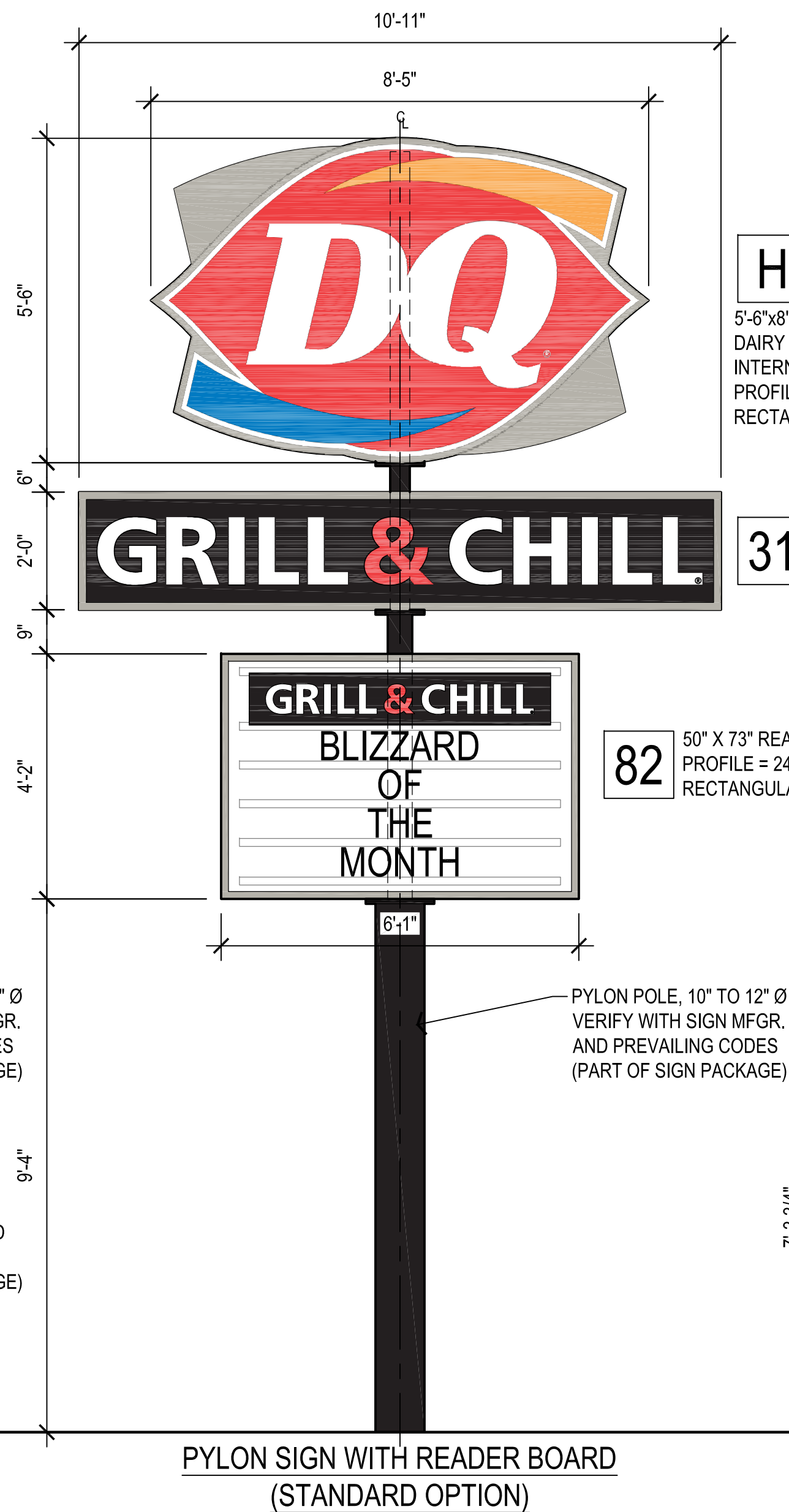
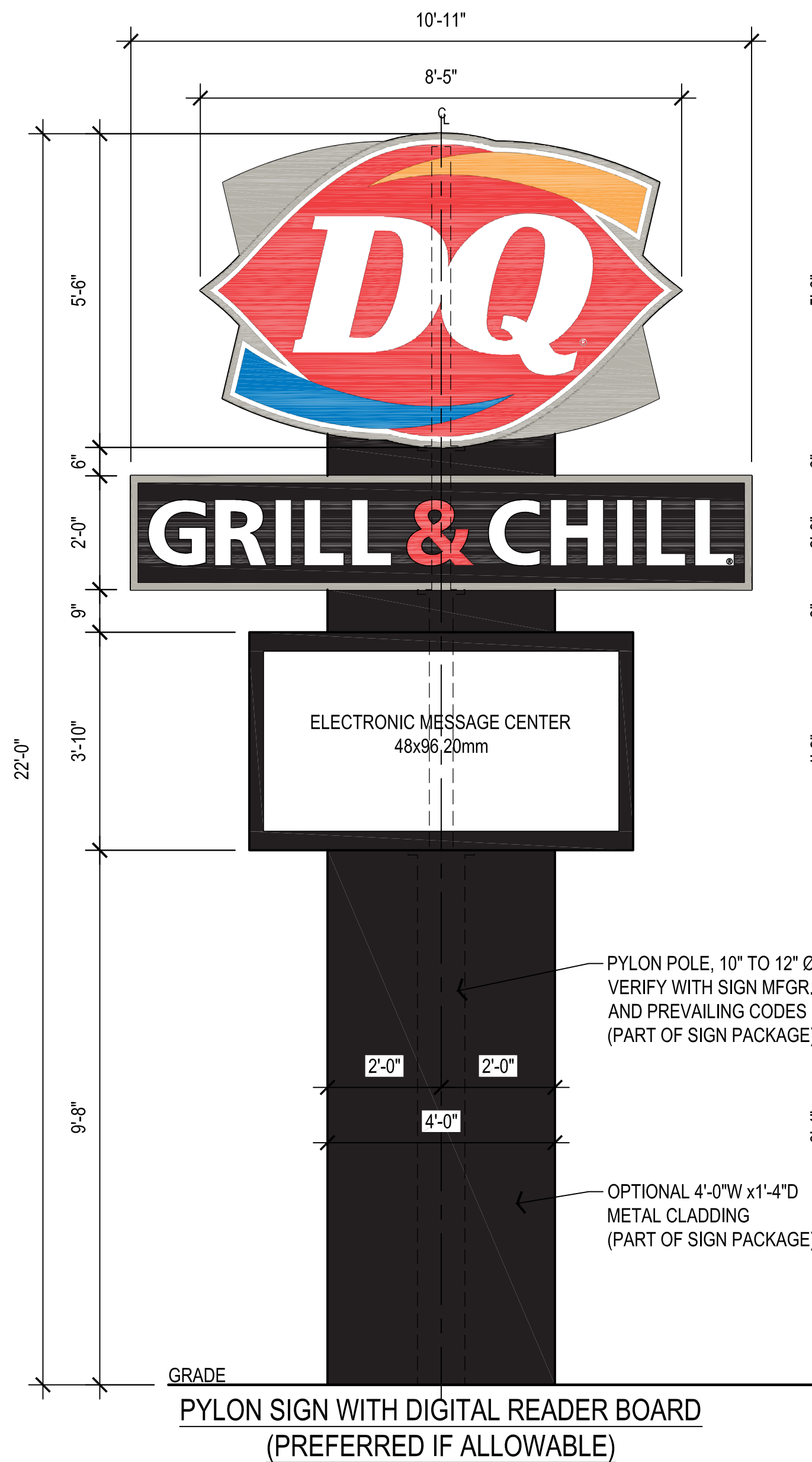


102 1'-8" H. CHANNEL LETTERS
INTERNALLY ILLUMINATED
PROFILE AREA: 12.22 SF RECTANGULAR AREA: 24.55 SF

2 FRONT FACADE SIGNAGE
A3.3 SCALE: 1/2" = 1'-0"

3 ENTRANCE FACADE SIGNAGE
A3.3 SCALE: 1/2" = 1'-0"

4 DRIVE THRU FACADE SIGNAGE
A3.3 SCALE: 1/2" = 1'-0"



H 5'-6"x8'-5" (NOMINAL)
DAIRY QUEEN LOGO DOUBLE SIDED
INTERNALLY ILLUMINATED
PROFILE = 33.1 SF
RECTANGULAR = 46.7 SF

31 PYLON BOWTIE SIGNAGE IS OPTIONAL COORD. WITH FRANCHISEE

82 50" X 73" READER BD. (ILLUM.)
PROFILE = 24.46 SF
RECTANGULAR = 25.0 SF

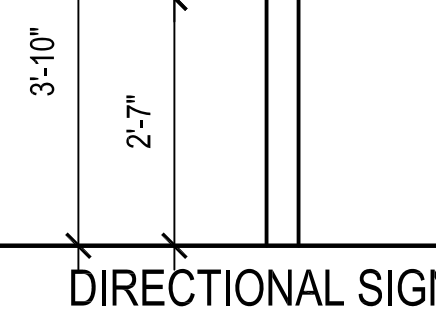
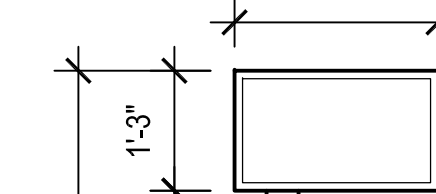
97"x57" D.T. MENU BOARD
40.15 SF (ILLUMINATED)
10'-9 1/2"

20"x54" ADDER BOARD
7.62 SF (ILLUMINATED)

36"x54" PREVIEW BOARD
13.8 SF (ILLUMINATED)
3'-2"

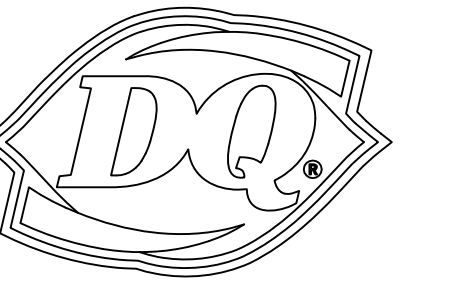
36"x60" EXTERIOR PROMO BOARD
PROFILE = 14.6 SF
RECTANGULAR = 15.0 SF

15"x25" DIRECTIONAL SIGN
2.6 SF (ILLUMINATED)
2'-1 1/2"



DIRECTIONAL SIGN

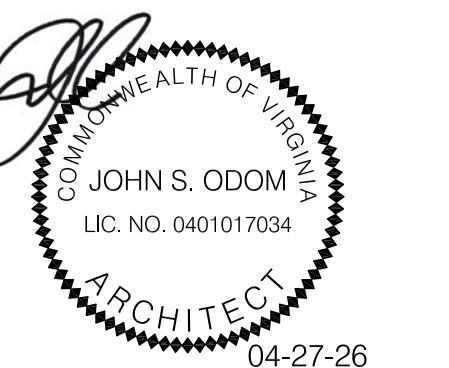
NEW BUILDING FOR:



GRILL & CHILL

250 SOUTH STUART AVENUE
ELKTON, VA 22827

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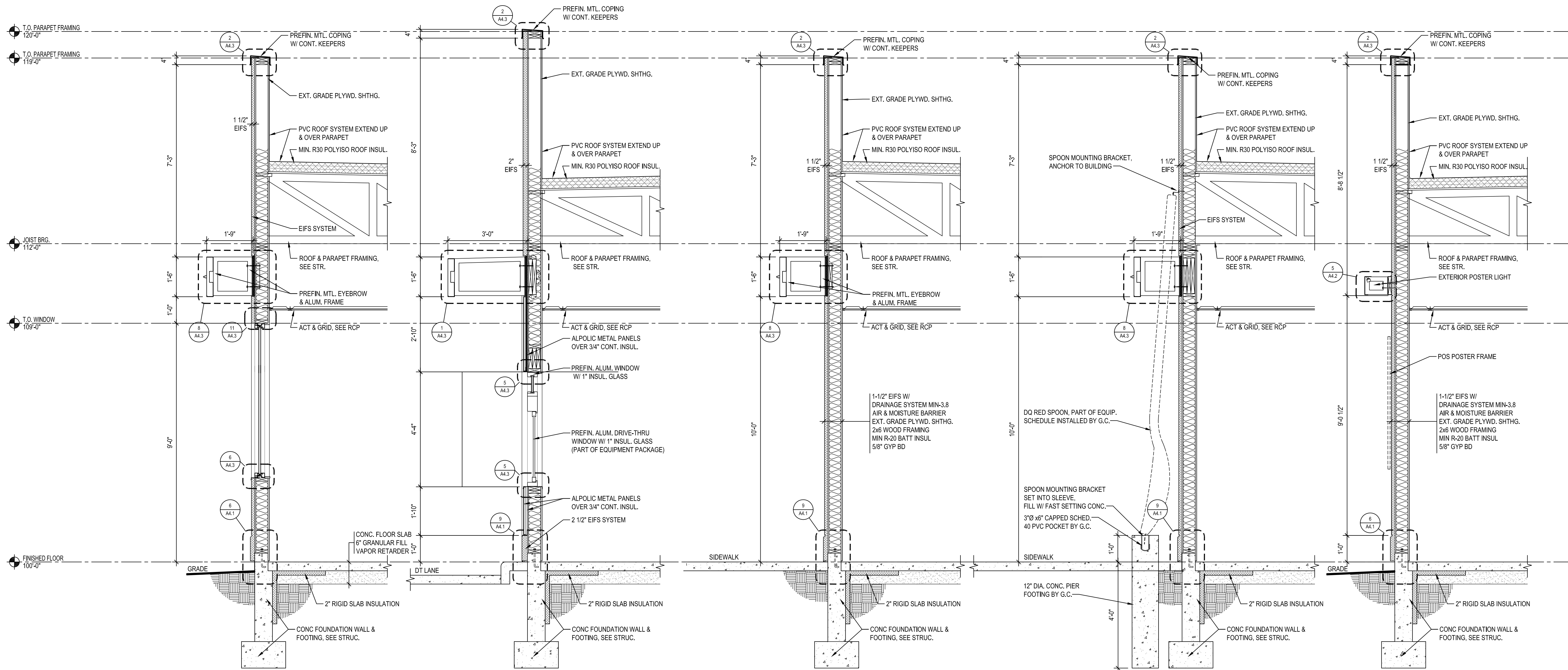
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REVISION DATE: 04/27/26 ORIGINAL ISSUE

SIGNAGE MATRIX

SHEET NUMBER:

A3.3



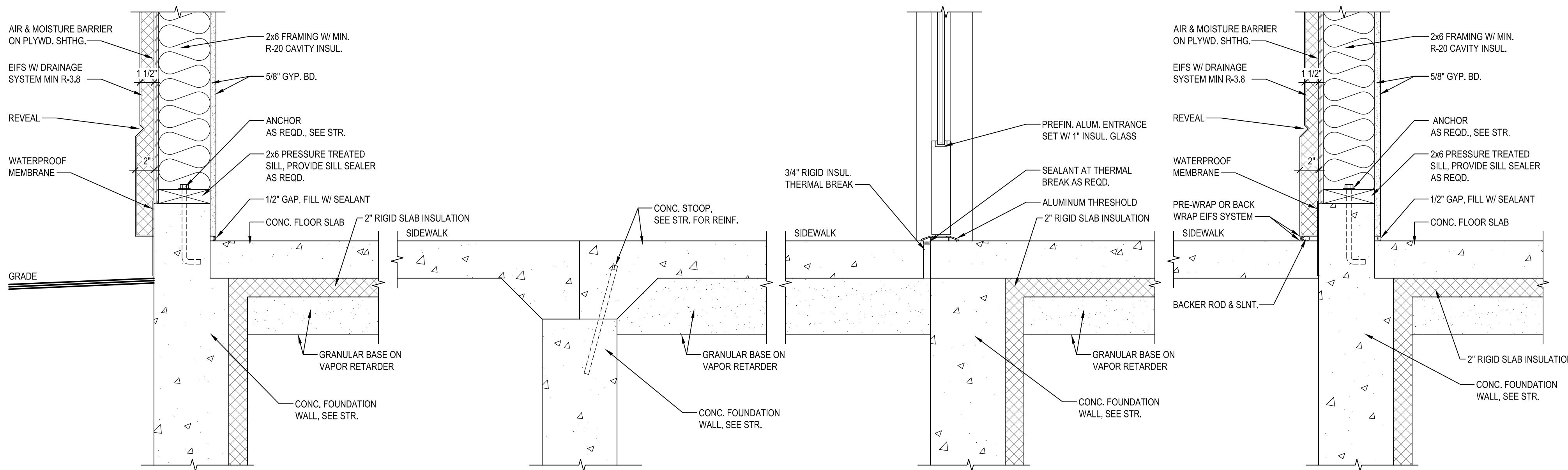
1 SECTION
A4.1 SCALE: 1/2" = 1'-0"

2 SECTION
A4.1 SCALE: 1/2" = 1'-0"

3 SECTION
A4.1 SCALE: 1/2" = 1'-0"

4 SECTION
A4.1 SCALE: 1/2" = 1'-0"

5 SECTION
A4.1 SCALE: 1/2" = 1'-0"



6 FINISH AT GRADE
A4.1 SCALE: 1 1/2" = 1'-0"

7 CONCRETE STOOP
A4.1 SCALE: 1 1/2" = 1'-0"

8 DOOR THRESHOLD
A4.1 SCALE: 1 1/2" = 1'-0"

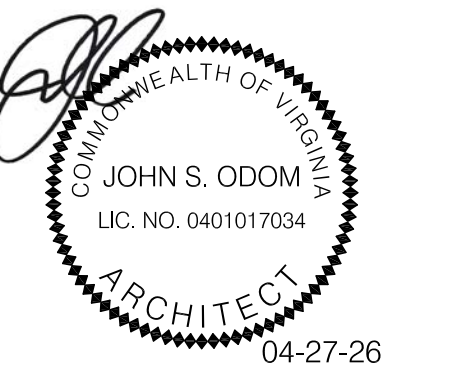
9 WALL FINISH AT SIDEWALK
A4.1 SCALE: 1 1/2" = 1'-0"

NEW BUILDING FOR:



250 SOUTH STUART AVENUE
ELKTON, VA 22827

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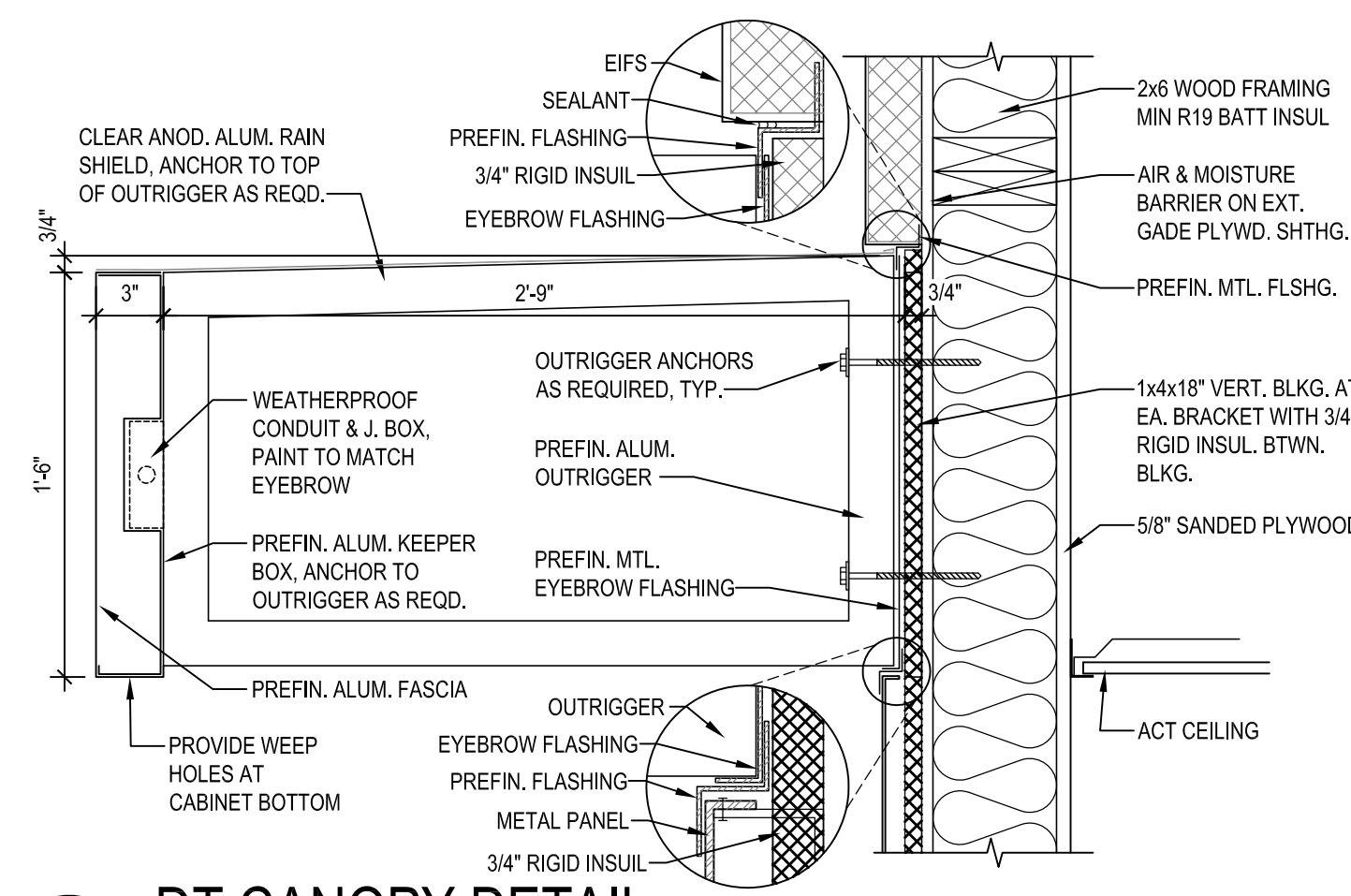
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WALL SECTIONS
& DETAILS

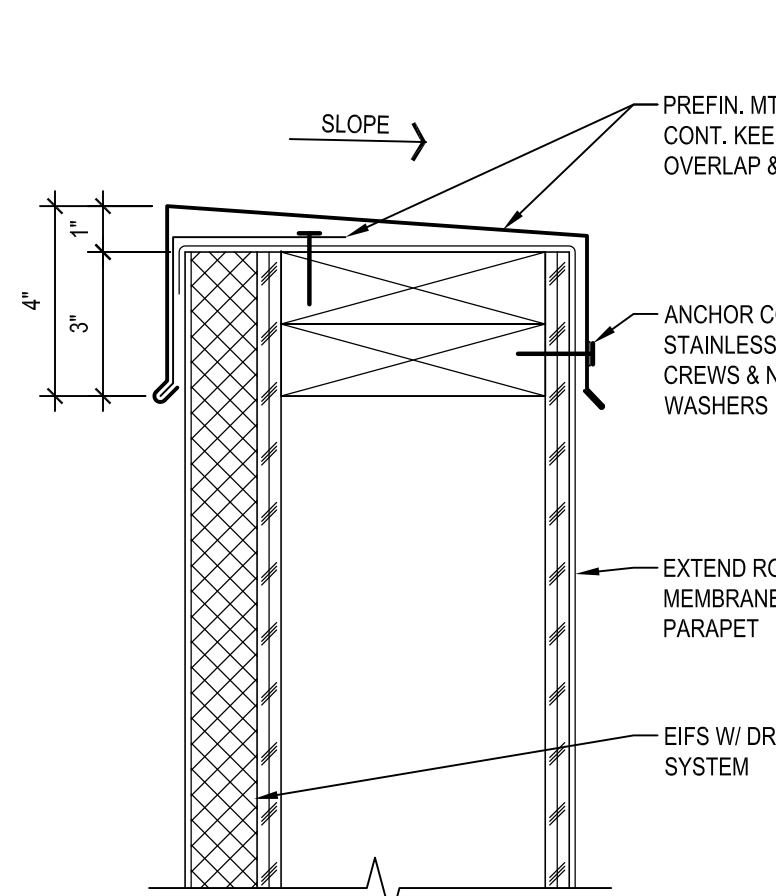
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A4.1



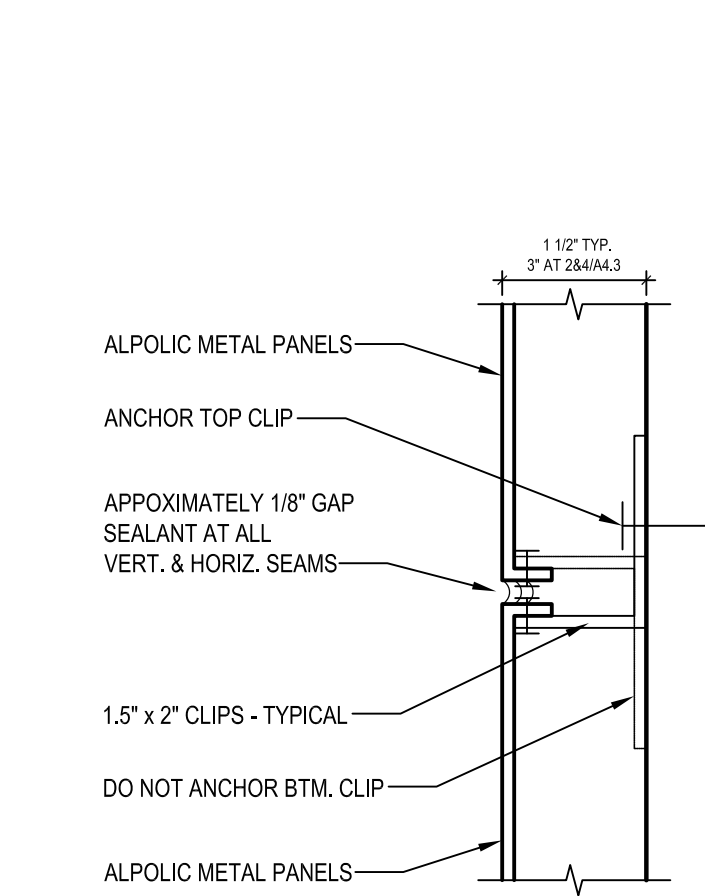
1 DT CANOPY DETAIL

A4.3 SCALE: 1 1/2" = 1'-0"



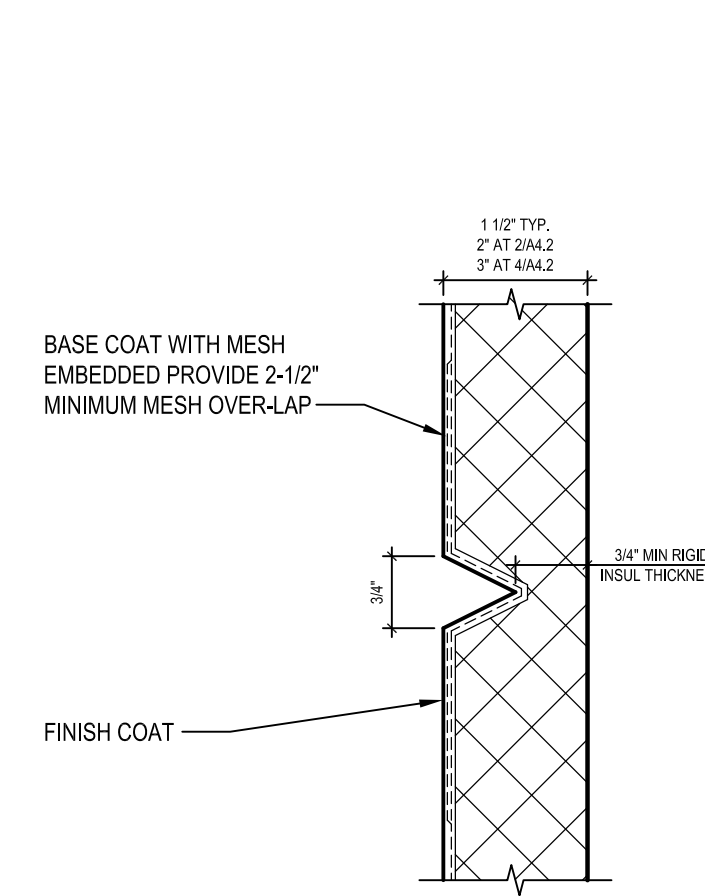
2 CAP FLASHING DETAIL

A4.3 SCALE: 3" = 1'-0"



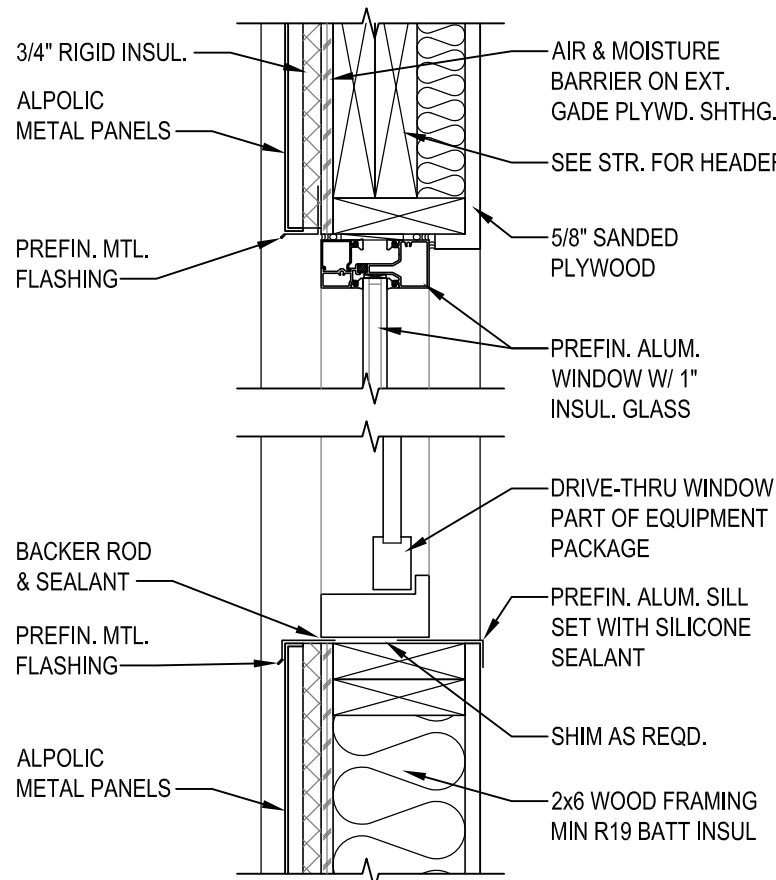
3 ALPOLIC PANEL JOINT

A4.3 SCALE: 6" = 1'-0"



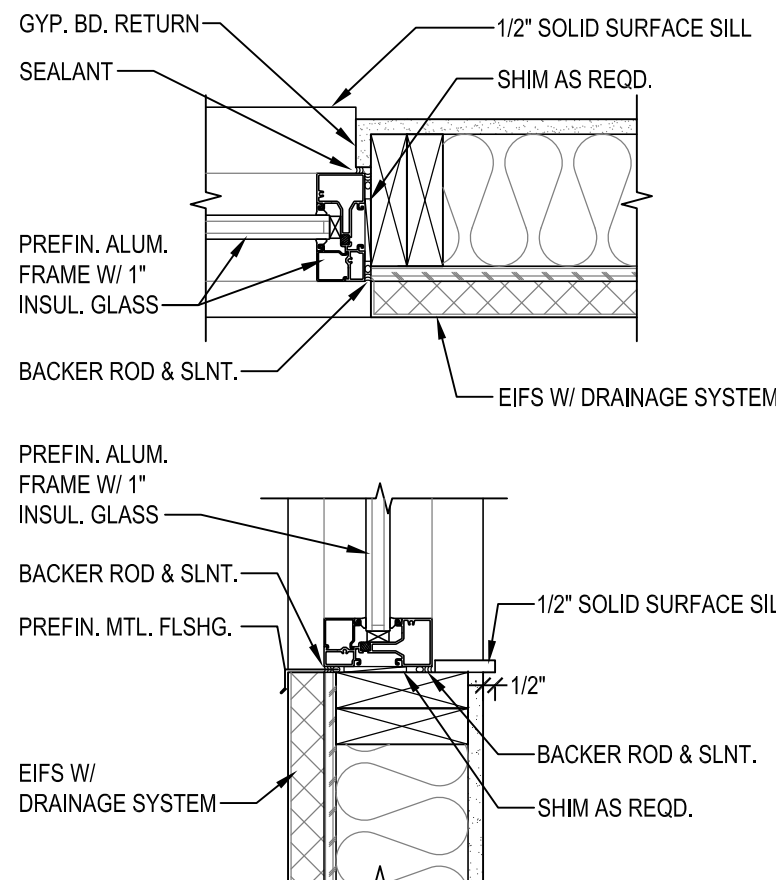
4 EIFS REVEAL DETAIL

A4.3 SCALE: 6" = 1'-0"



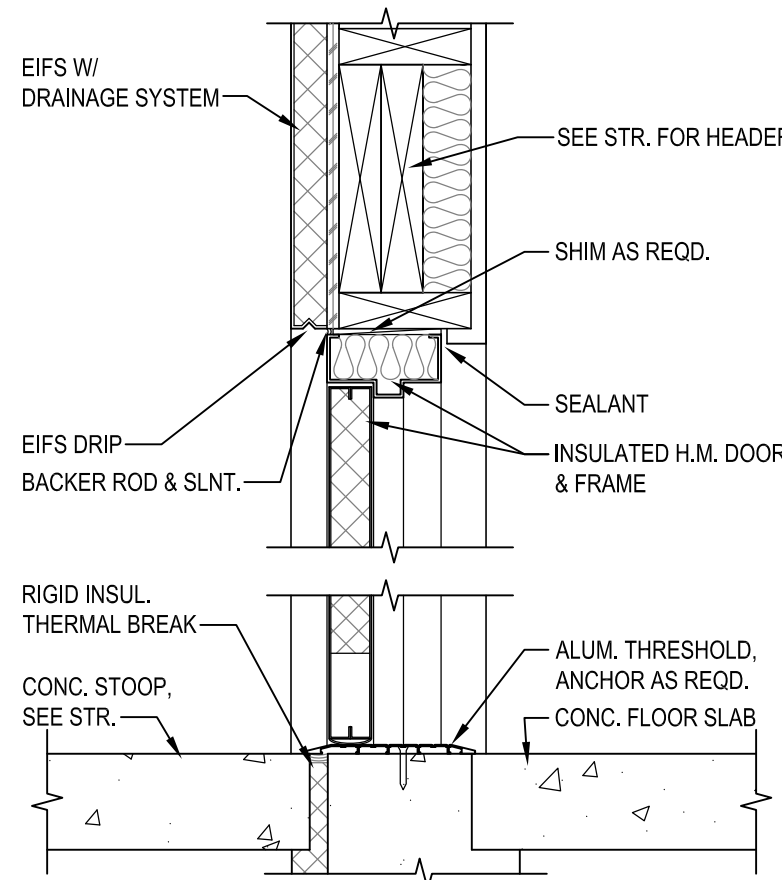
5 DT WINDOW DETAIL

A4.3 SCALE: 1 1/2" = 1'-0"



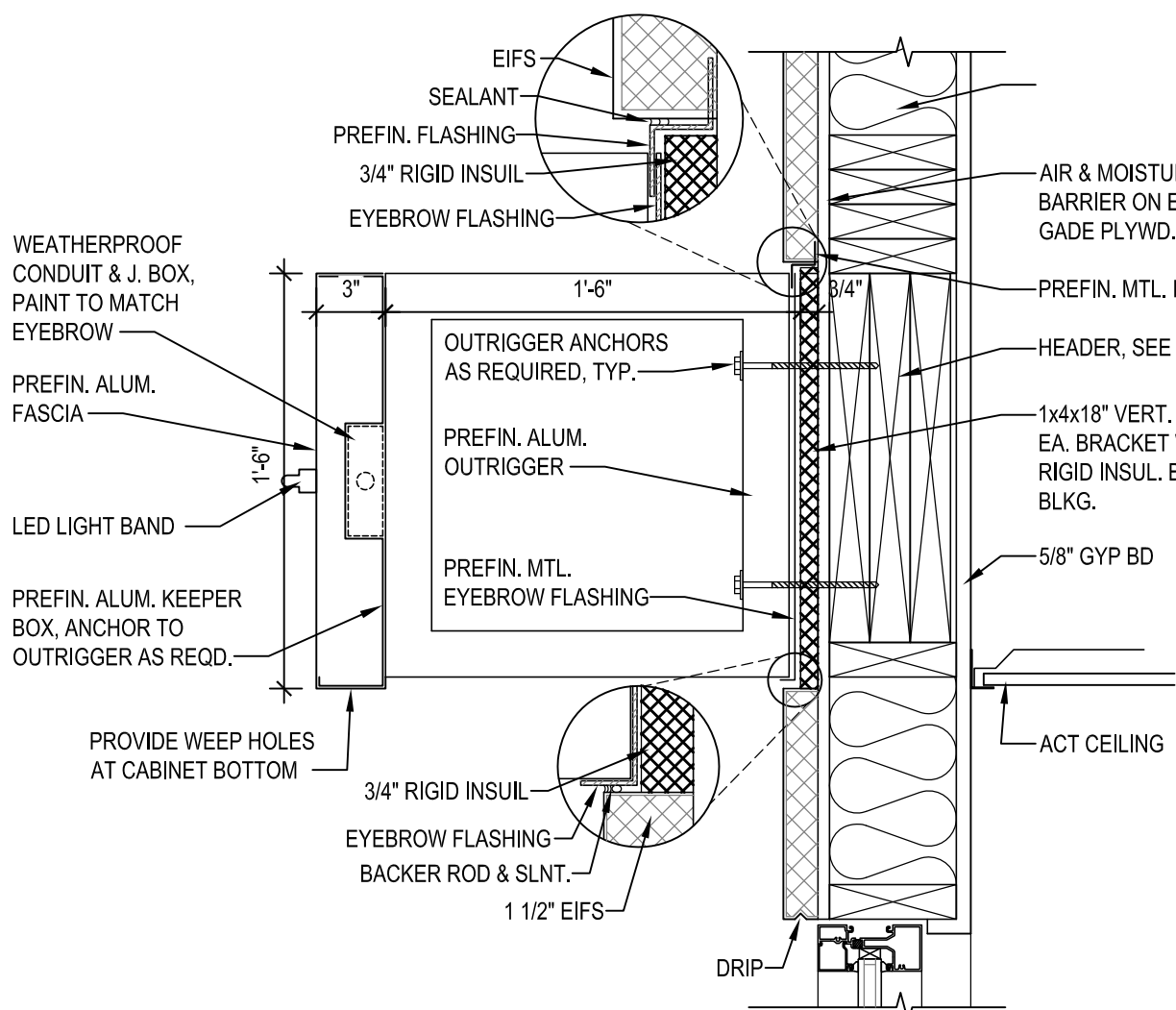
6 WINDOW DETAILS

A4.3 SCALE: 1 1/2" = 1'-0"



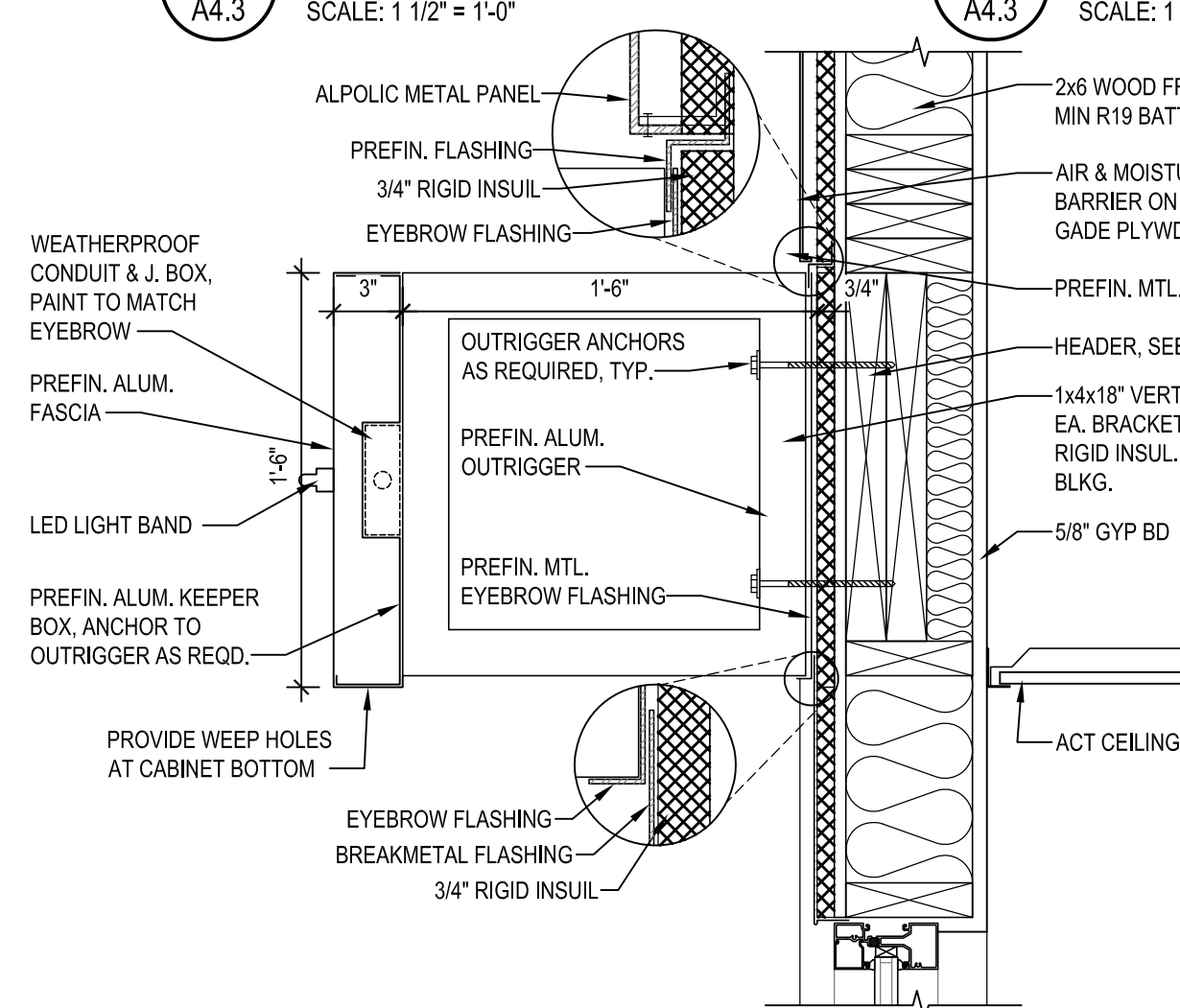
7 H.M. DOOR DETAIL

A4.3 SCALE: 1 1/2" = 1'-0"



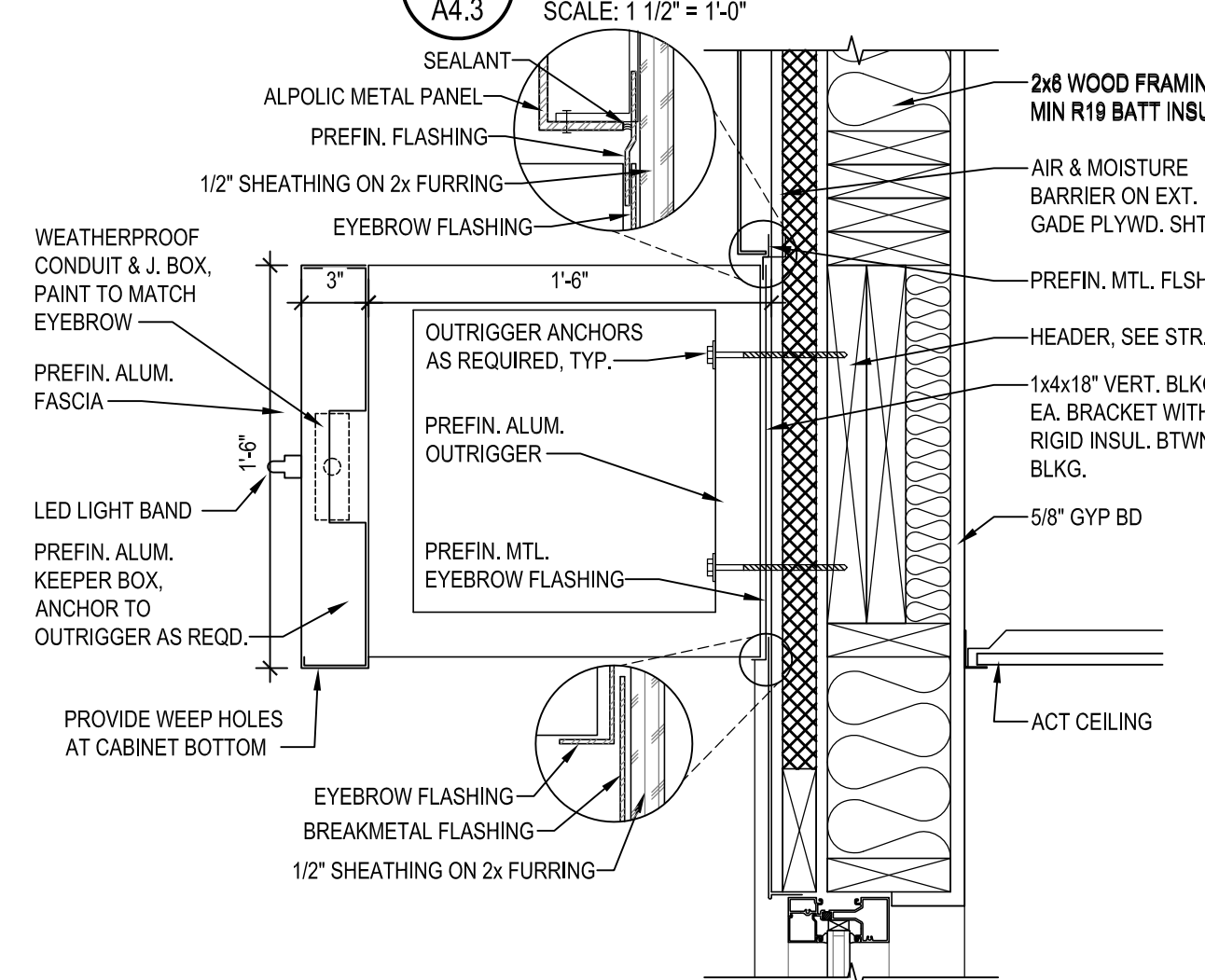
8 EYEBROW DETAIL-EIFS

A4.3 SCALE: 1 1/2" = 1'-0"



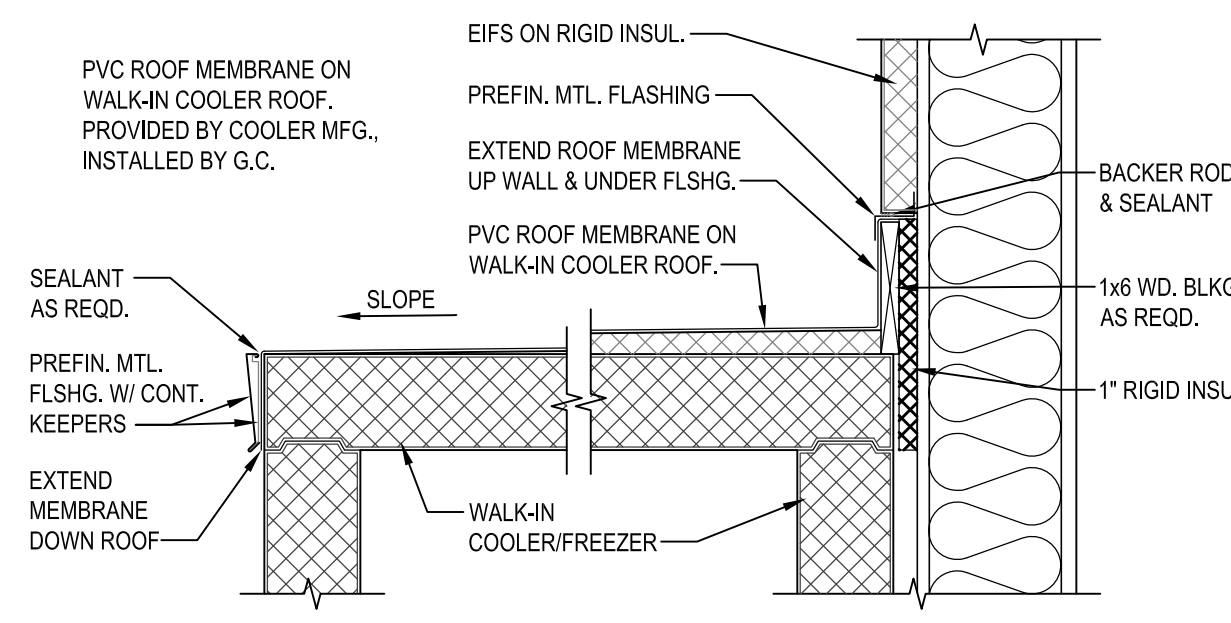
9 EYEBROW DETAIL-ALPOLIC

A4.3 SCALE: 1 1/2" = 1'-0"



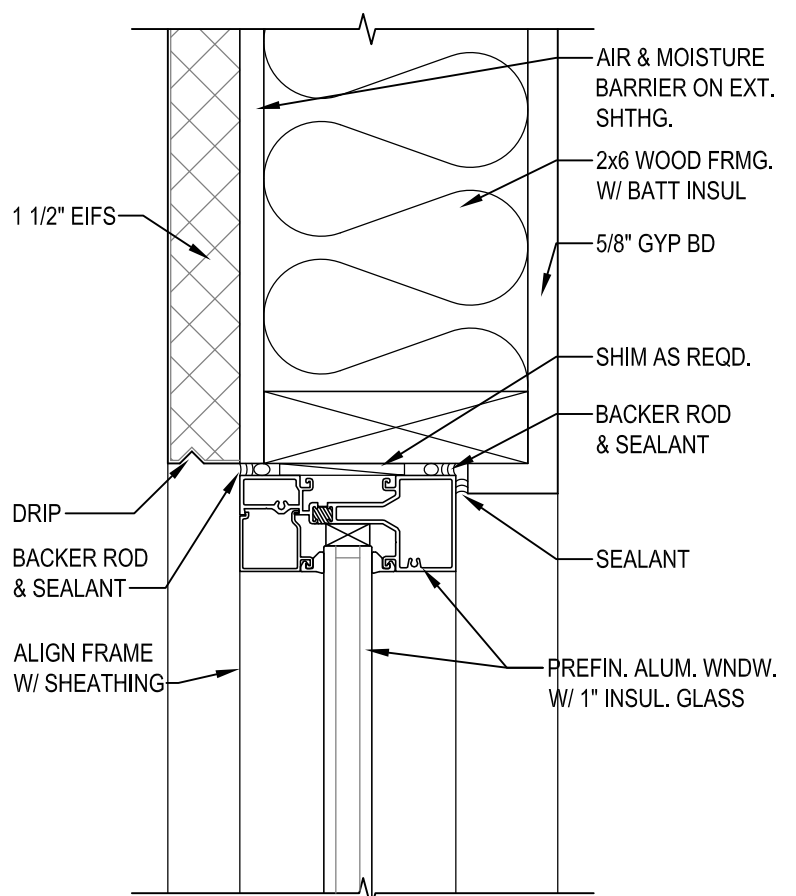
10 EYEBROW DETAIL-ALPOLIC

A4.3 SCALE: 1 1/2" = 1'-0"



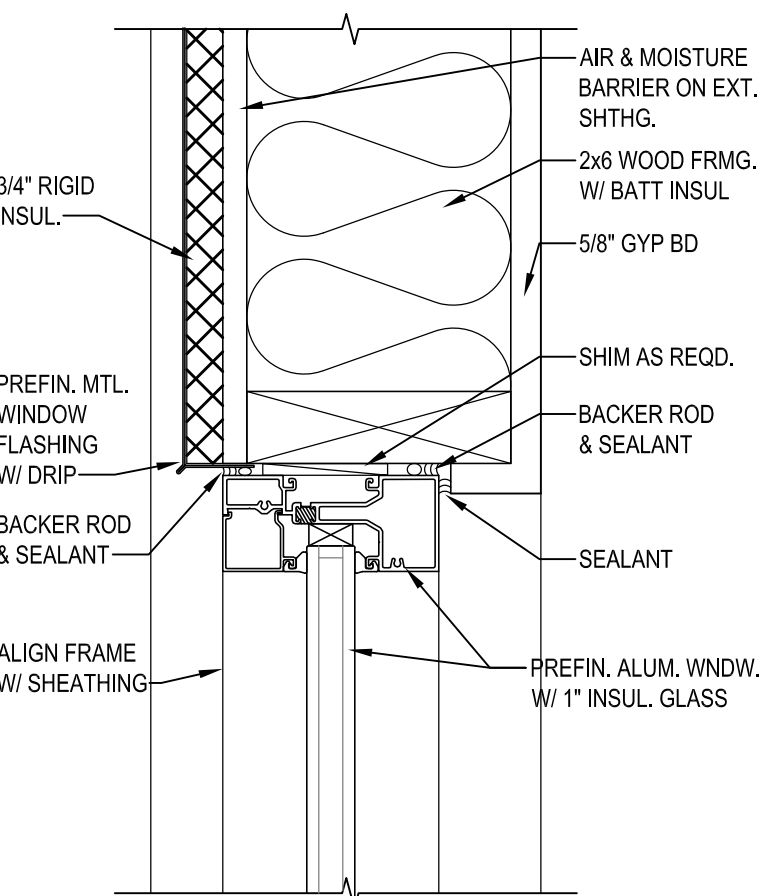
15 WALK-IN ROOF DETAIL

A4.3 SCALE: 1 1/2" = 1'-0"



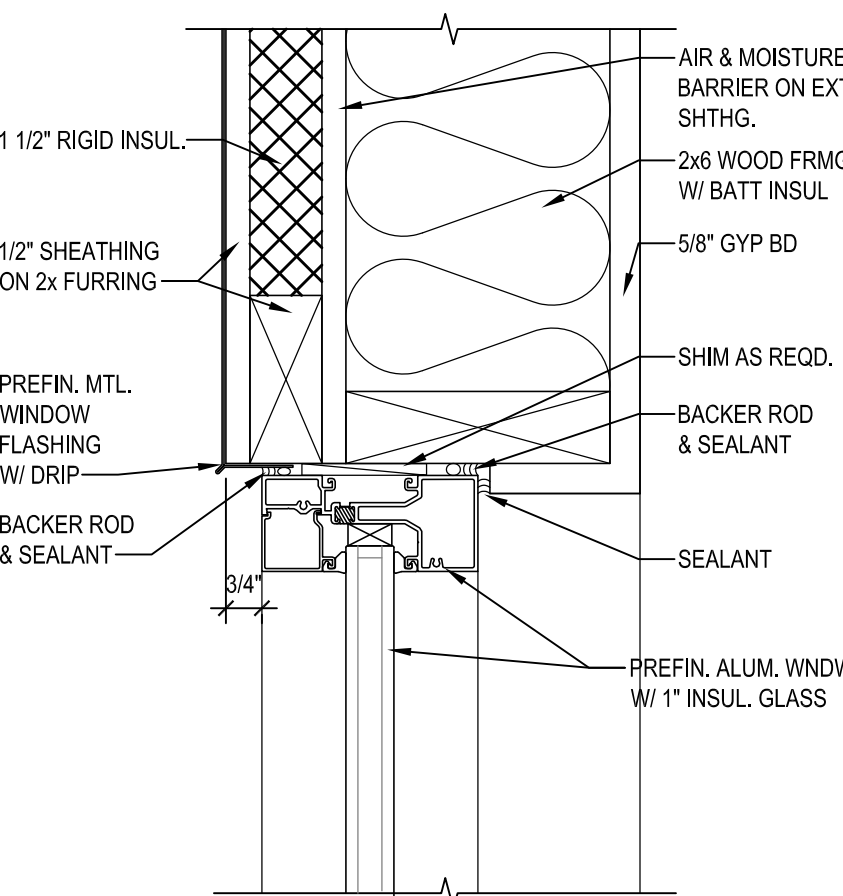
11 WINDOW HEAD DETAIL

A4.3 SCALE: 3" = 1'-0"



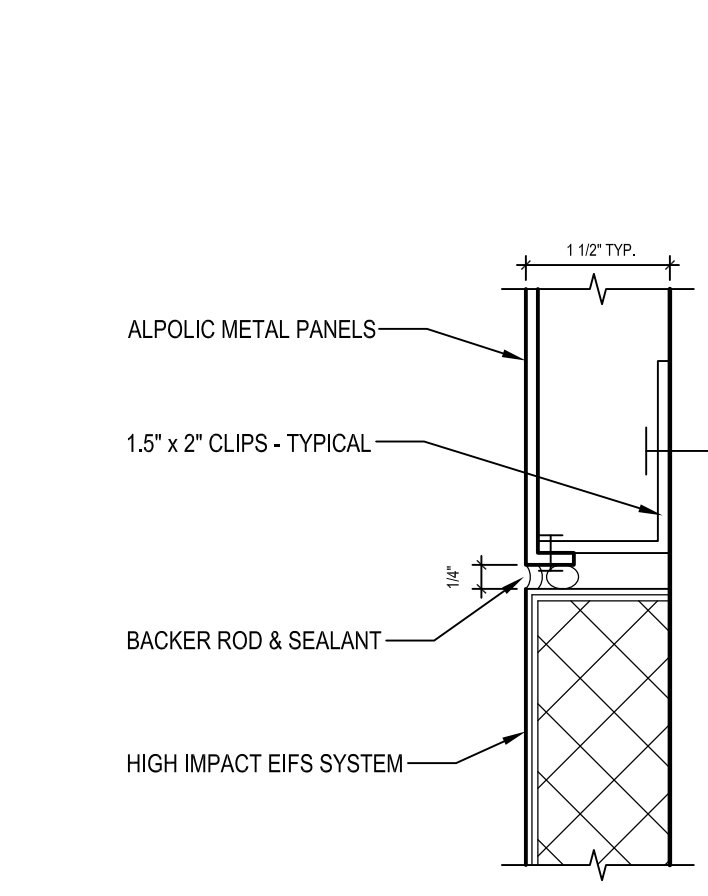
12 WINDOW HEAD DETAIL

A4.3 SCALE: 3" = 1'-0"



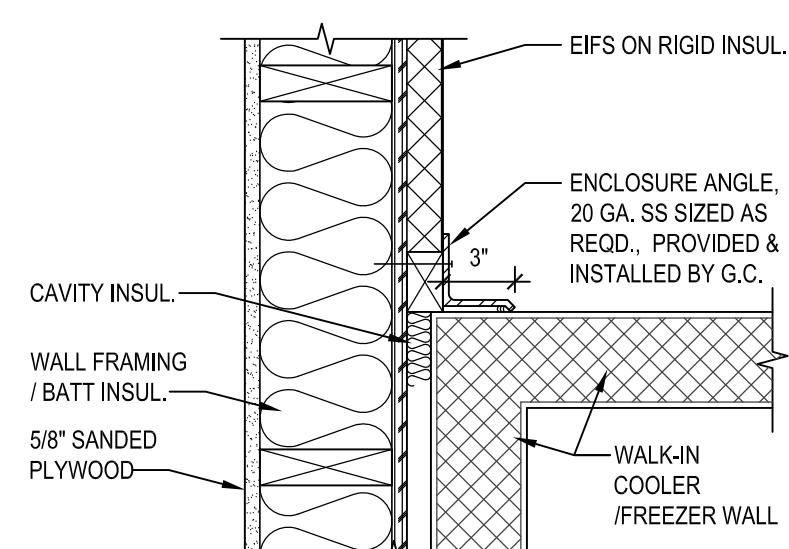
13 WINDOW HEAD DETAIL

A4.3 SCALE: 3" = 1'-0"



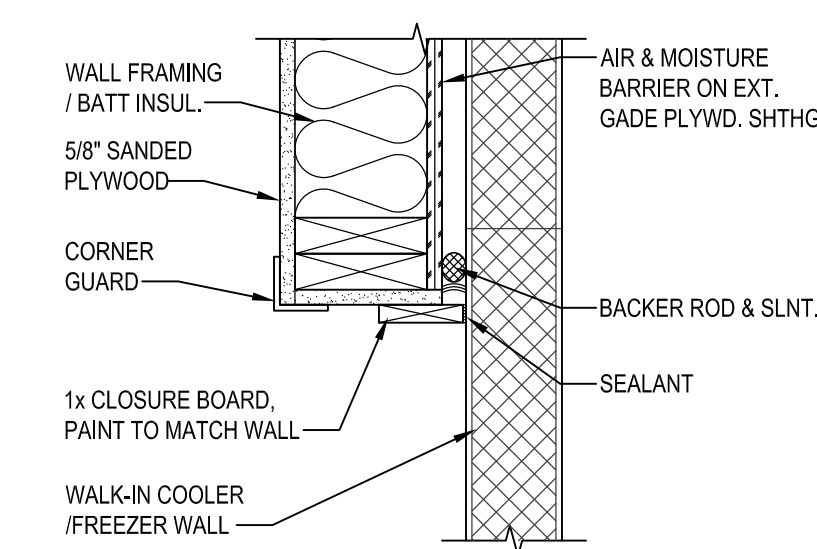
14 ALPOLIC/EIFS TRANSITION

A4.3 SCALE: 6" = 1'-0"



16 WALK-IN PLAN DETAIL

A4.3 SCALE: 1 1/2" = 1'-0"



17 WALK-IN PLAN DETAIL

A4.3 SCALE: 1 1/2" = 1'-0"

NEW BUILDING FOR:



250 SOUTH STUART AVENUE
ELKTON, VA 22827

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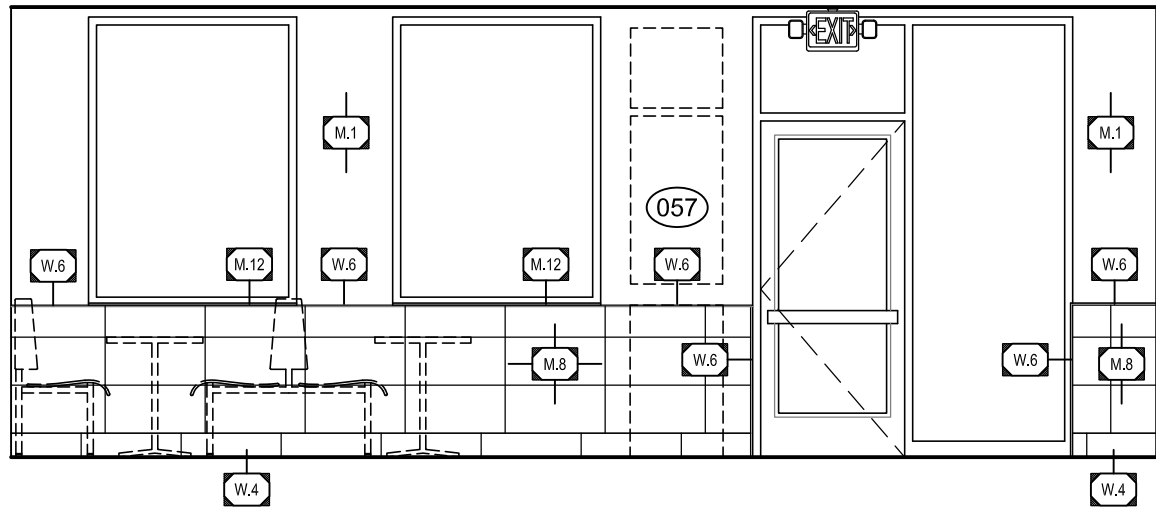
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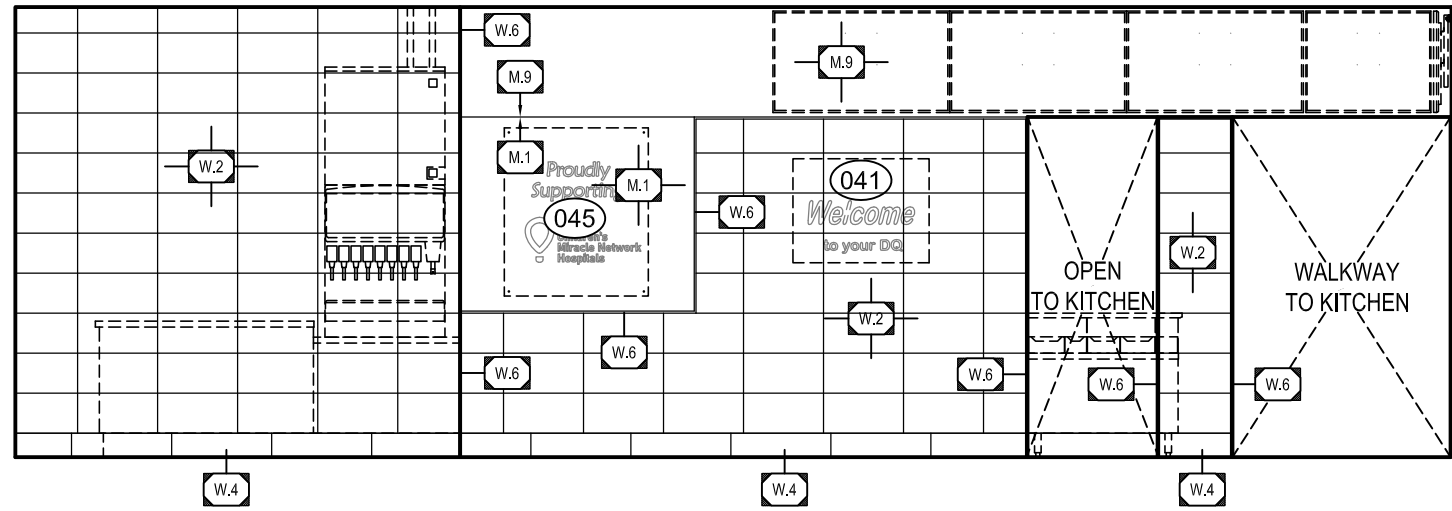
DETAILS

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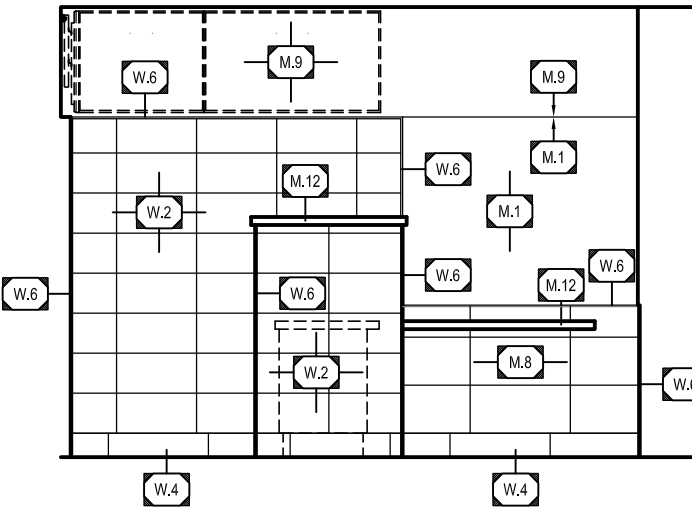
A4.3



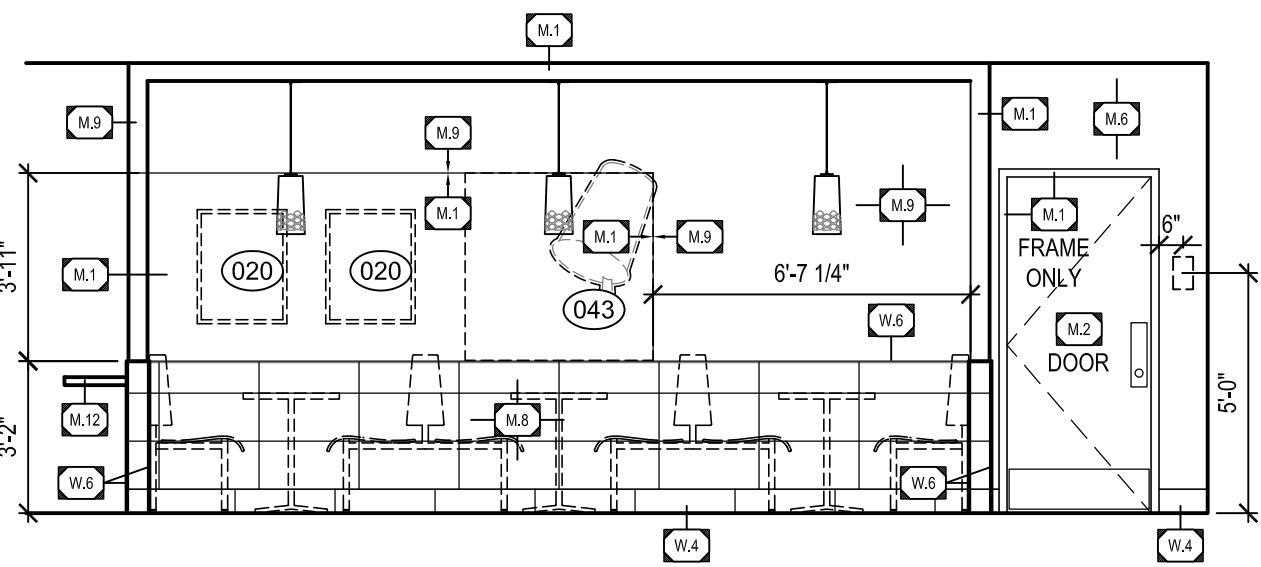
1 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



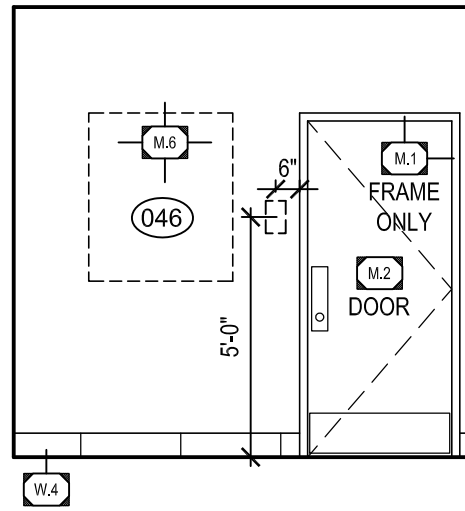
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A5.1 SCALE: 1/4" = 1'-0"



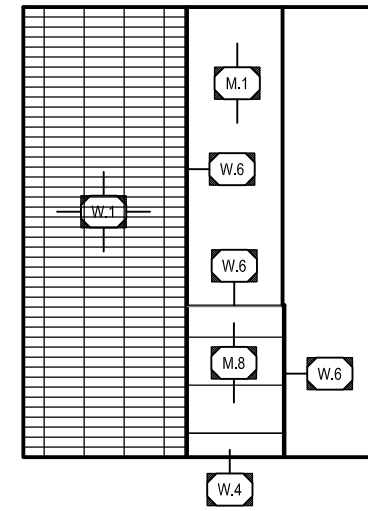
3 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



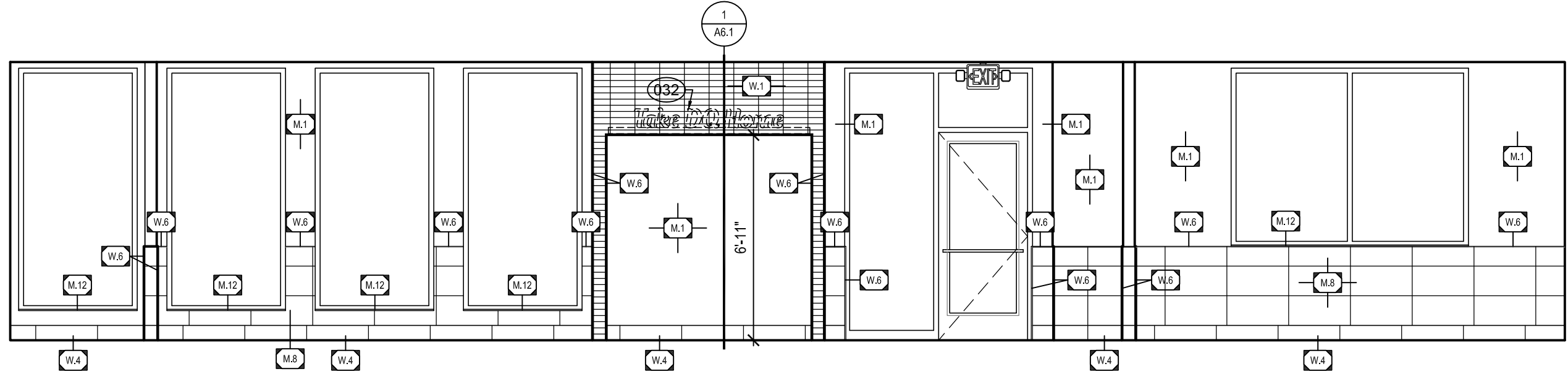
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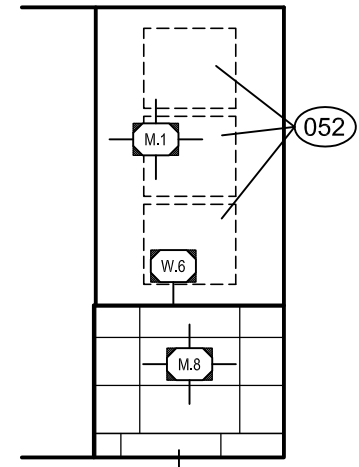
5 ELEVATION
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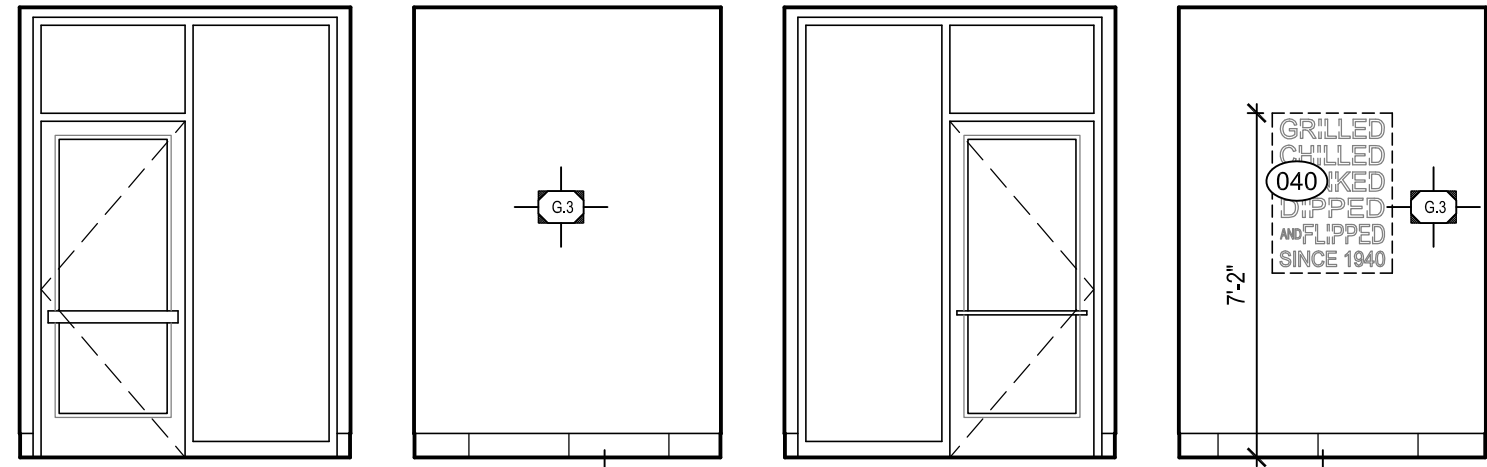
6 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



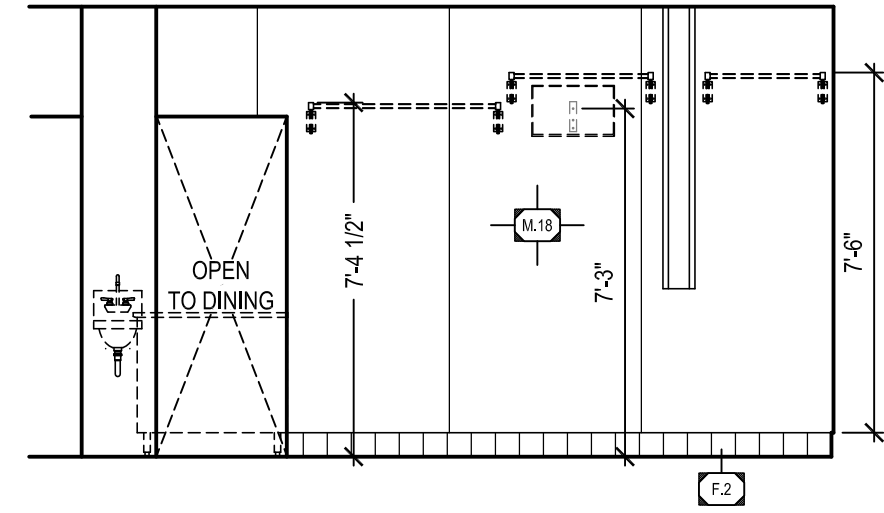
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A5.1 SCALE: 1/4" = 1'-0"



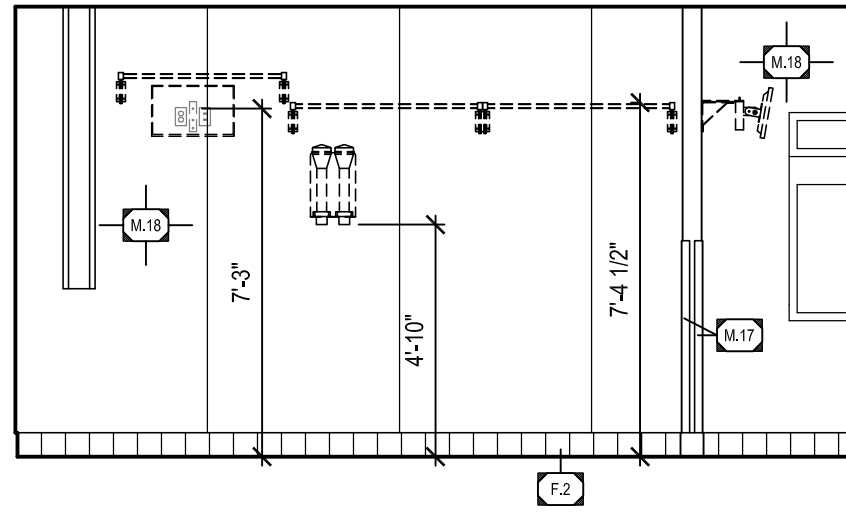
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A5.1 SCALE: 1/4" = 1'-0"



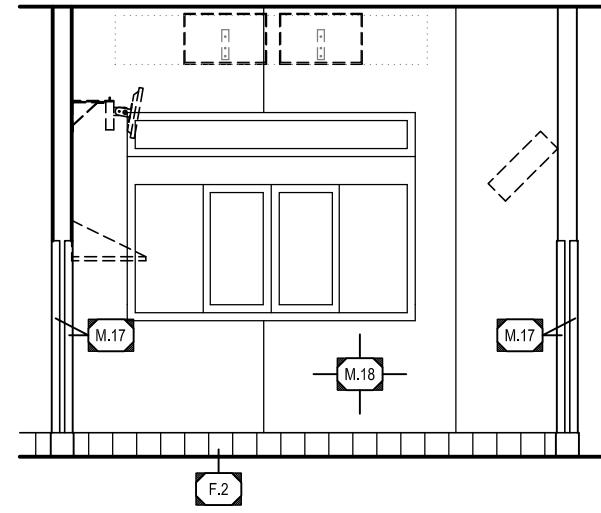
9 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



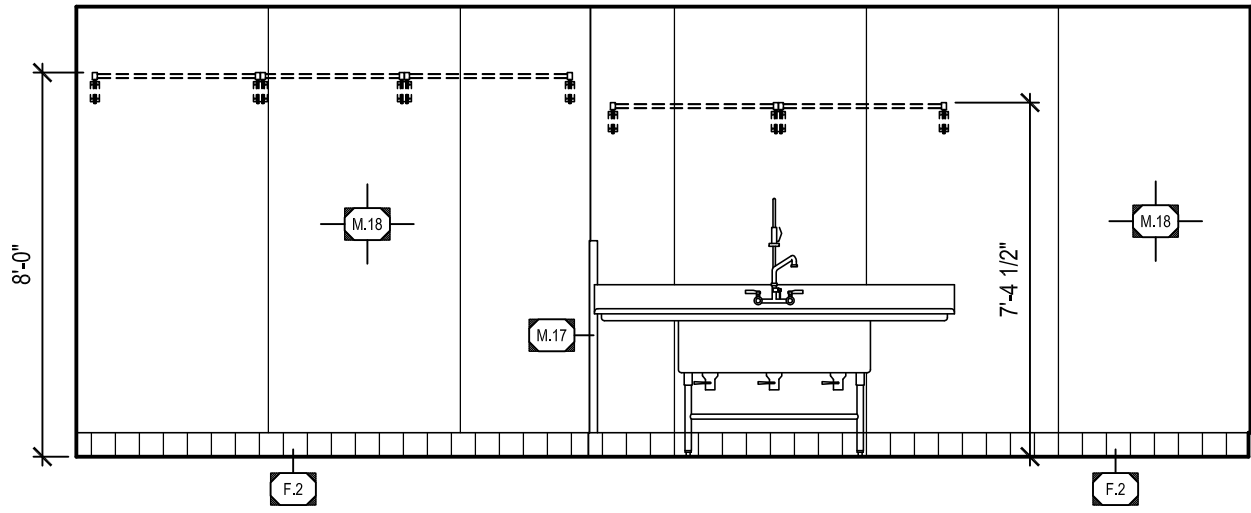
10 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



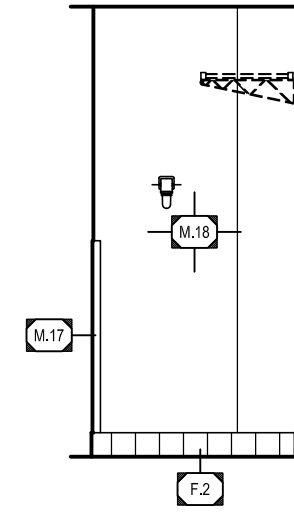
11 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



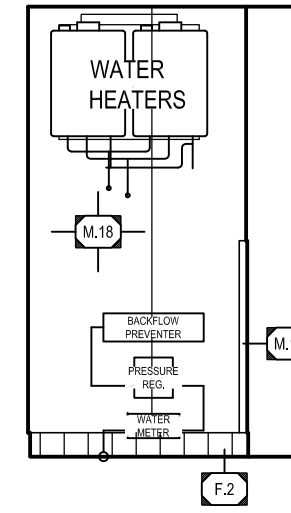
12 ELEVATION
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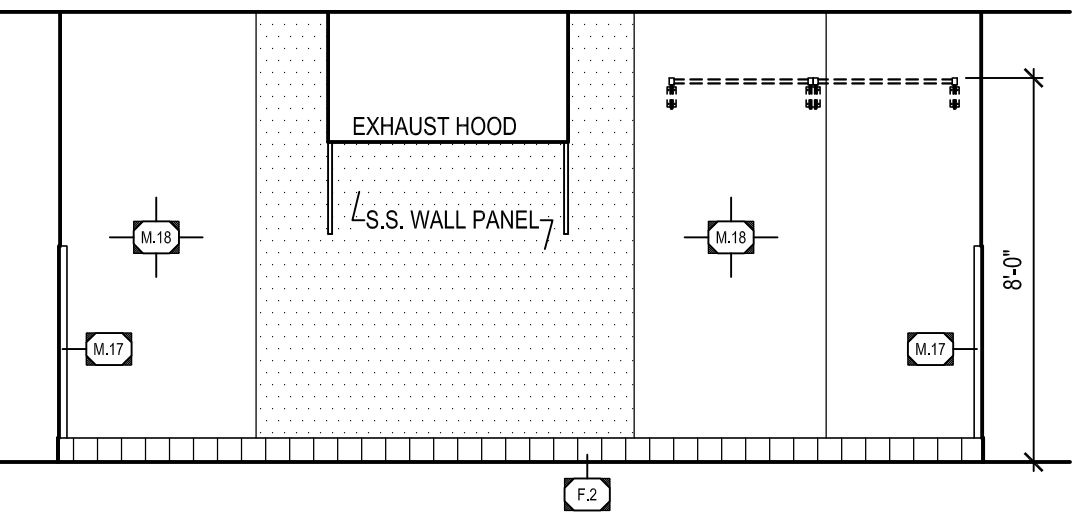
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A5.1 SCALE: 1/4" = 1'-0"



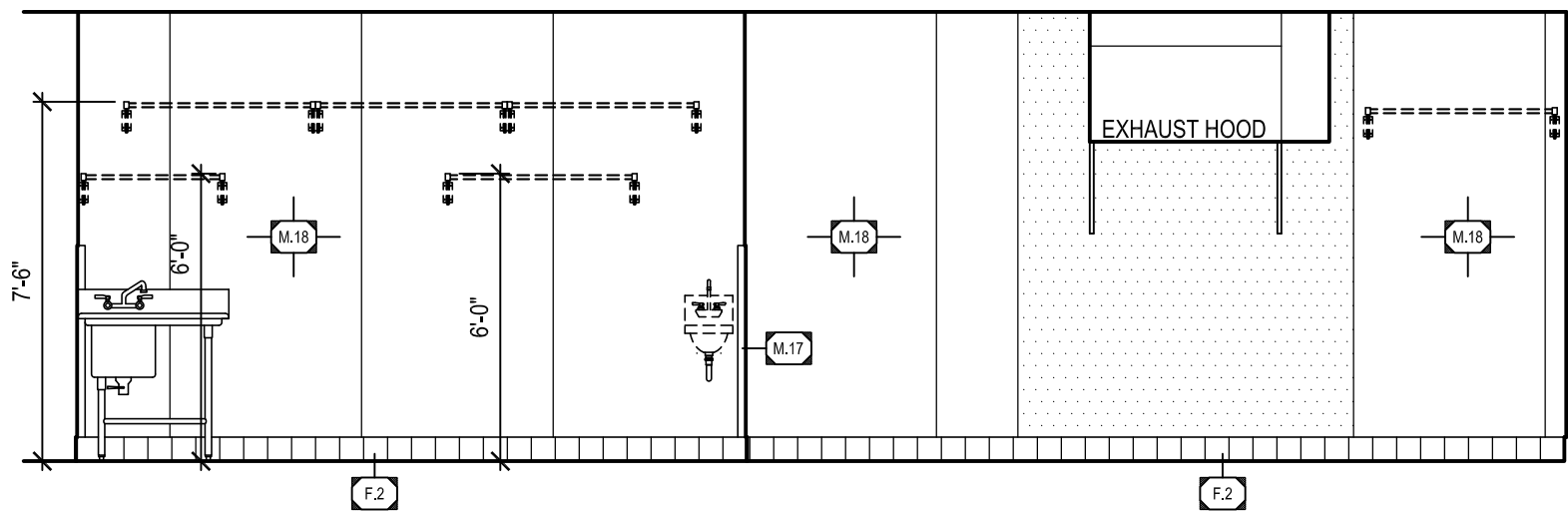
14 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



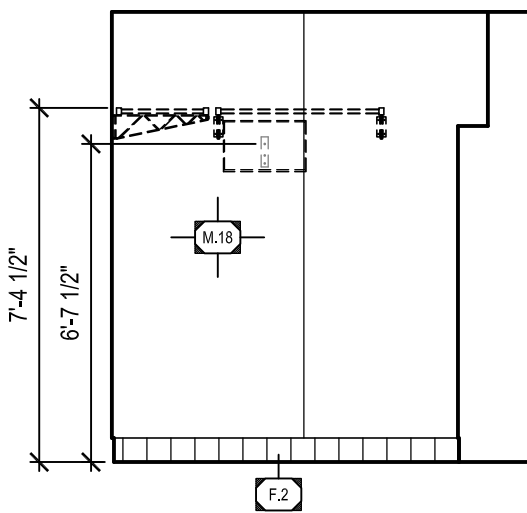
15 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



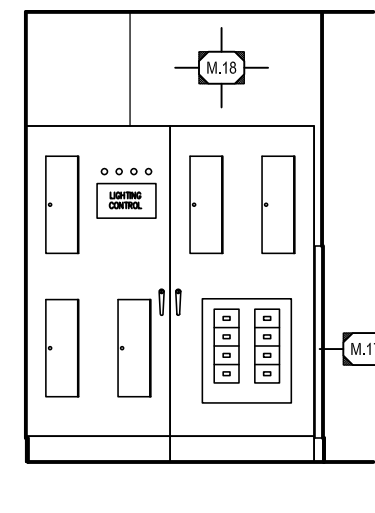
16 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



17 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



18 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



19 ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



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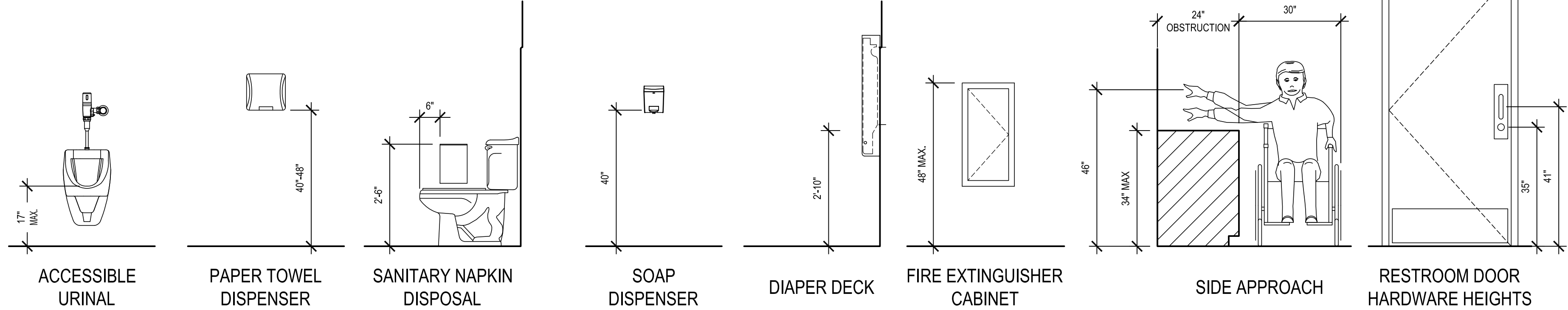
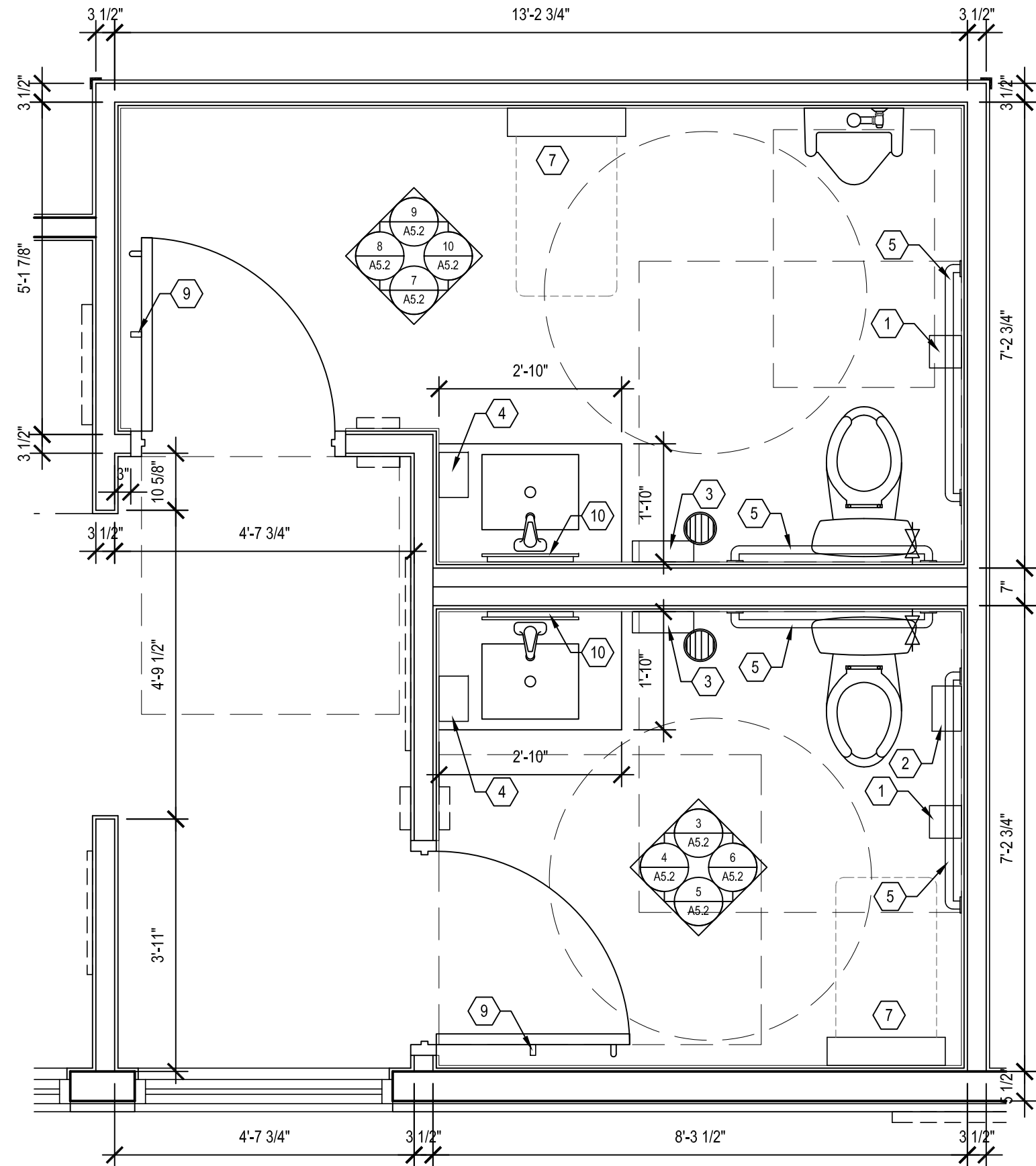
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INTERIOR
ELEVATIONS

SHEET NUMBER:
A5.1



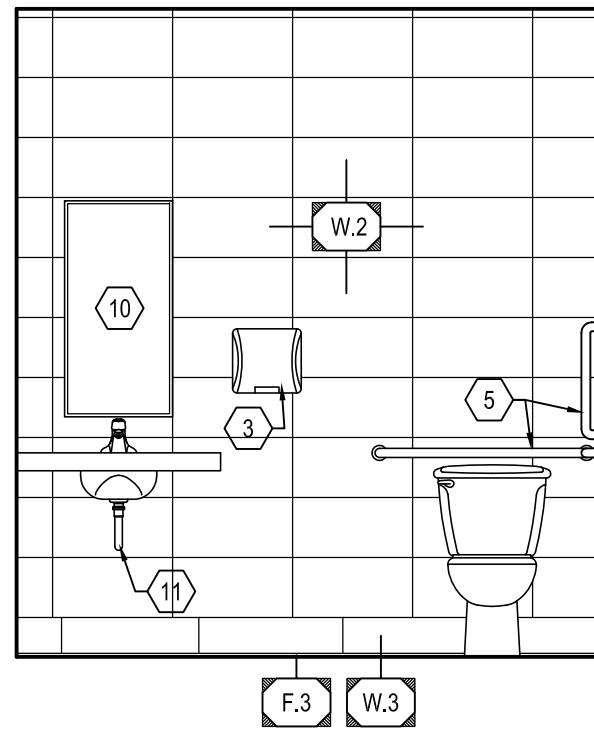
TOILET ACCESSORY SCHEDULE:			
1	TOILET PAPER DISPENSER	[C] [D]	
2	SANITARY NAPKIN RECEPTICAL	BOBRICK [A] [B]	B-270
3	HAND DRYER	DYSON [C] [D]	SEE ELECTRICAL DRAWINGS
4	AUTOMATIC SOAP DISPENSER	[C]	
5	GRAB BARS	BOBRICK [A] [B]	B-6806
6	GRAB BAR ANCHORS	BOBRICK [A] [B]	252-30
7	DIAPER DECK (MOUNT DECK AT 34" A.F.F.)	FOUNDATIONS [A] [B]	100-EV, LIGHT GRAY
8	NOT USED		
9	COAT HOOK (MOUNT AT 4'-0" A.F.F.)	BRADLEY [A] [B]	9134
10	BACK LIT WALL MIRROR	MECK MIRROR [A] [B]	ML-5100-S HALO 18x36 SIDE/LIT MIRROR
11	ADA UNDERSINK DRAIN AND SUPPLY COVERS	MAINLINE [A] [B]	ML102EZ

[A] RECOMMENDED MANUFACTURER & MODEL
[B] PROVIDED AND INSTALLED BY G.C., AVAILABLE FROM HJC
[C] DISPENSERS ARE AVAILABLE AS PART OF VENDORS OPENING PACKAGE, COORDINATE WITH FRANCHISEE & VENDOR, INSTALLED BY G.C.
[D] ALTERNATE DISPENSERS ARE AVAILABLE THROUGH HJC, PROVIDED & INSTALLED BY G.C.

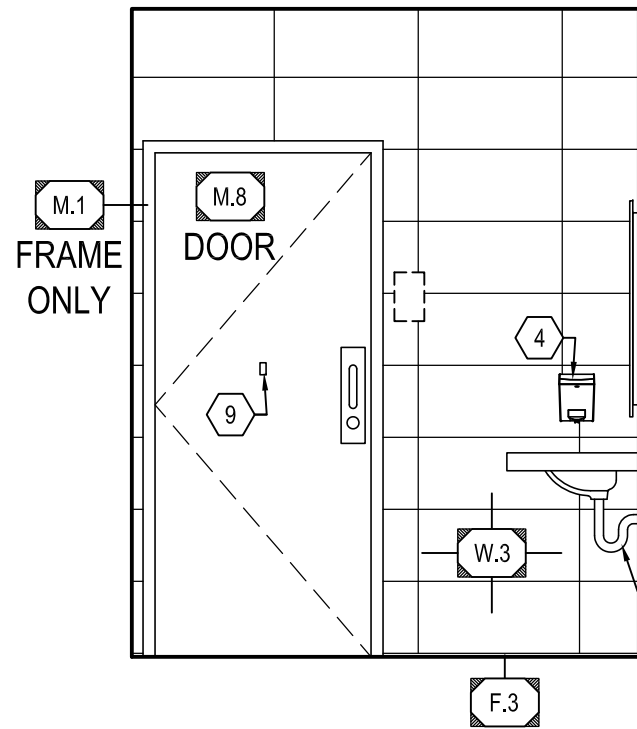
GENERAL NOTES:
1. LAVATORY TO BE AUTOMATIC SENSOR CONTROLLED AND WATER CLOSETS TO BE LEVER TYPE CONTROL.
2. GRAB BAR AND SEAT SHALL WITHSTAND A LOAD OF NOT LESS THAN 250 POUNDS APPLIED AT ANY POINT. PROVIDE BLOCKING AS REQUIRED.
3. PROVIDE 1 1/2" CLEARANCE BETWEEN GRAB BAR AND WALL.
4. HOT WATER AND DRAIN PIPES UNDER LAVATORY SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.
5. PROVIDE BLOCKING AS REQUIRED AT DIAPER DECK

1 RESTROOM FLOOR PLAN
A5.2 SCALE: 1/2" = 1'-0"

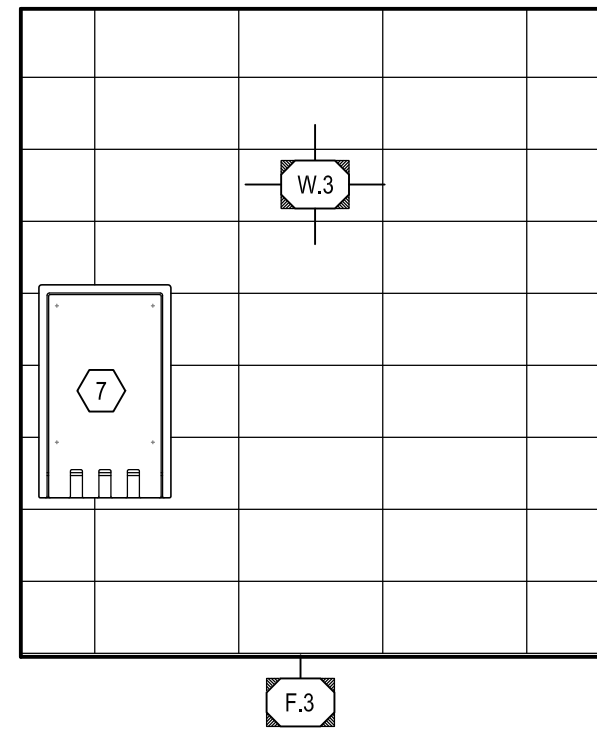
2 ACCESSIBLE MOUNTING HEIGHTS & CLEARANCES
A5.2 SCALE: 1/2" = 1'-0"



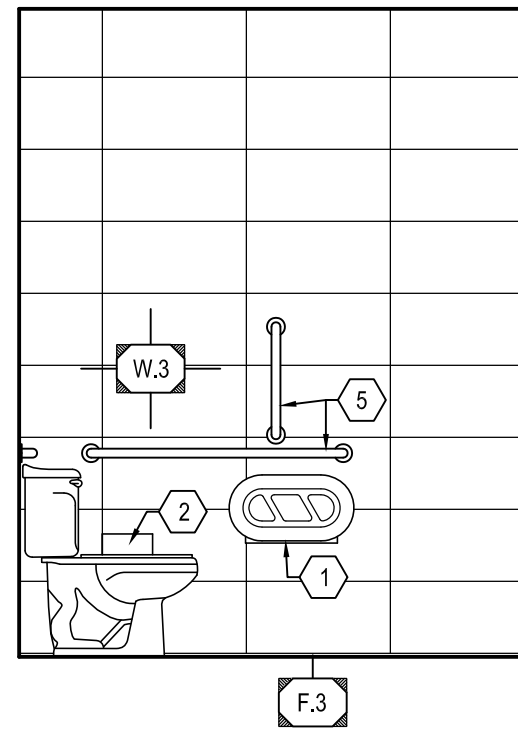
3 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



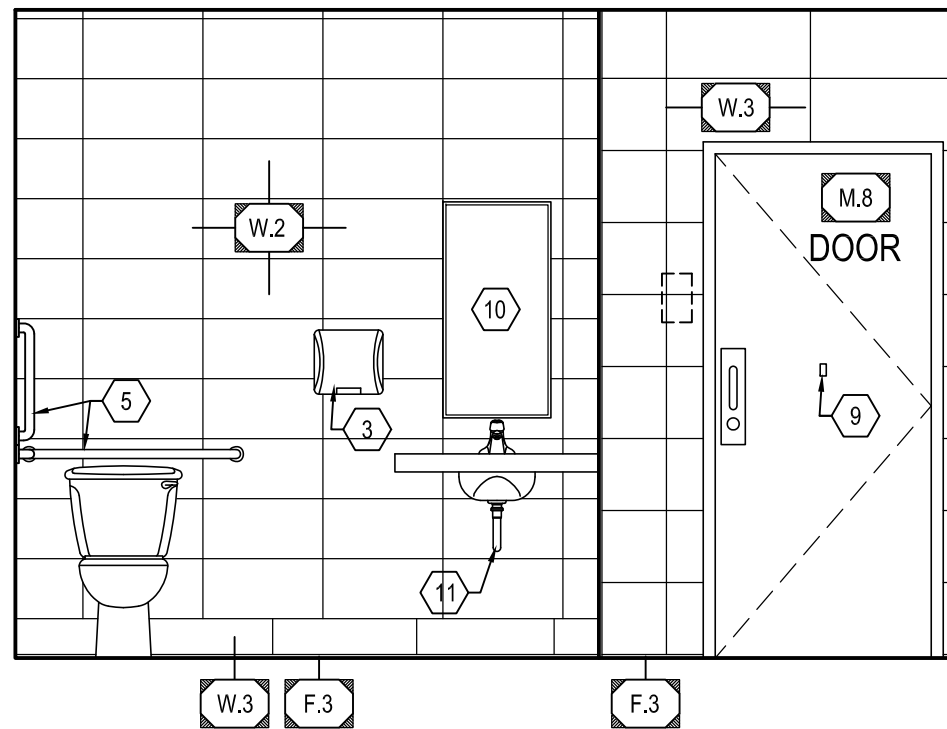
4 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



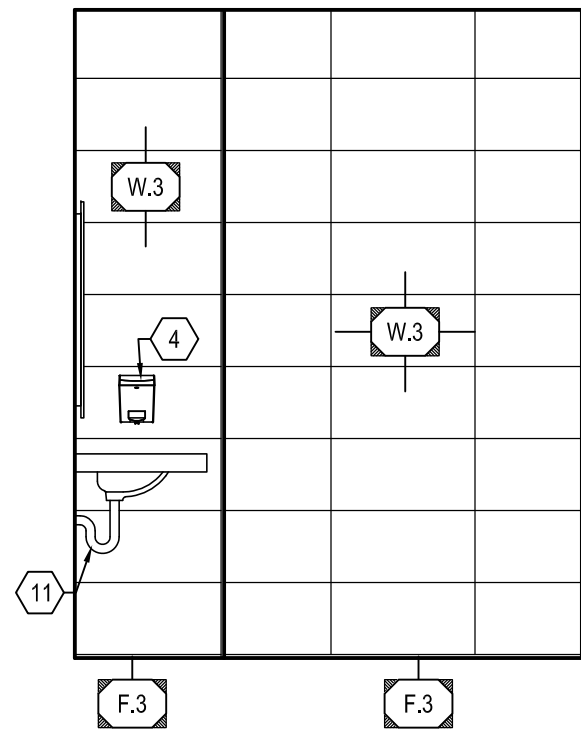
5 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



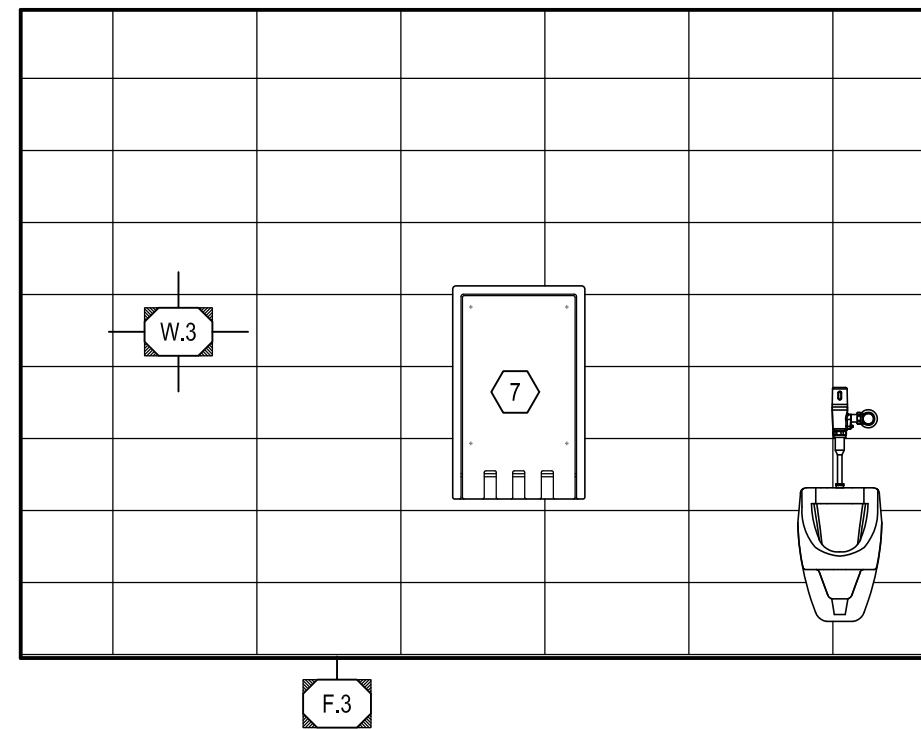
6 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



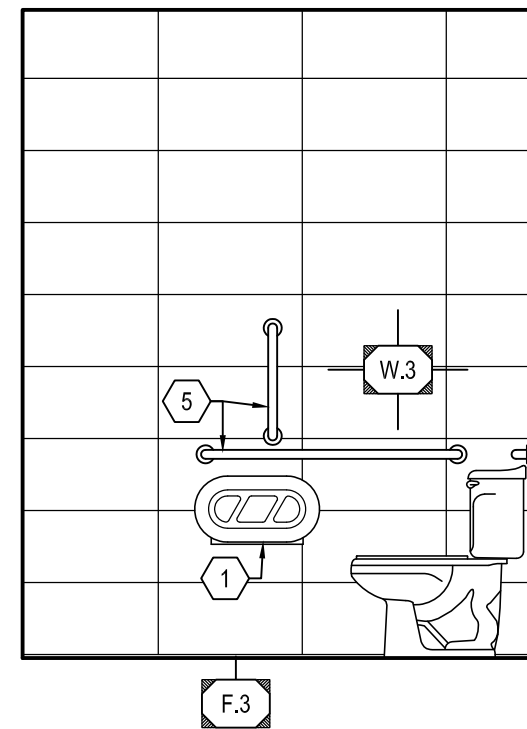
7 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



8 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



9 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



10 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"

NEW BUILDING FOR:

250 SOUTH STUART AVENUE
ELKTON, VA 22827

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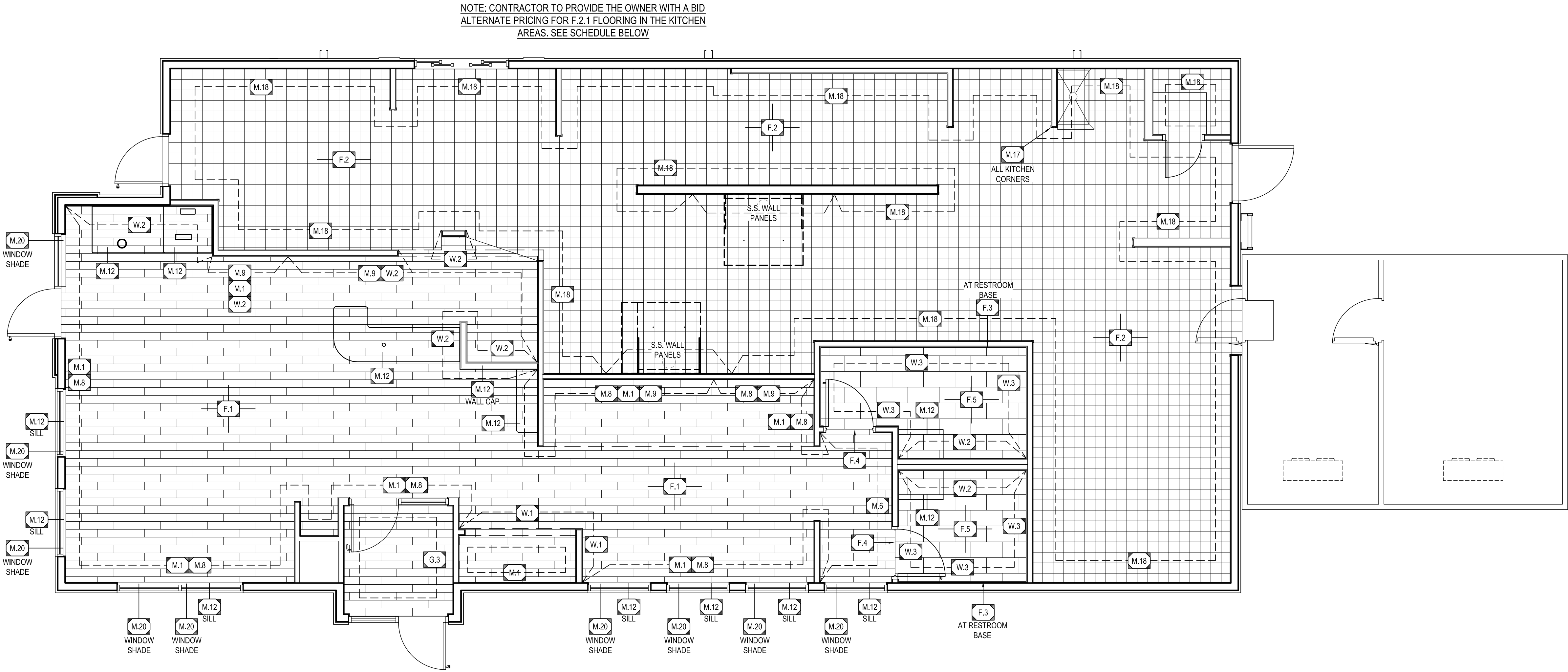
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RESTROOM PLAN & ELEVATIONS

SHEET NUMBER:
A5.2



1 FINISH PLAN
A5.3 SCALE: 1/4" = 1'-0"

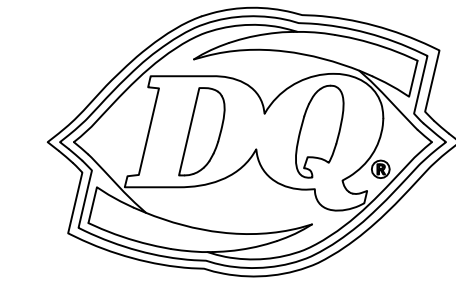
FINISH SCHEDULE: (GRILL & CHILL)

F.1 DINING ROOM FLOOR TILE: MFGR: MILESTONE SERIES: MOOD WOOD COLOR: HONEY SIZE: 9'x36" 1/3 OFFSET/STAGGERED PATTERN VENDOR: HJC GROUT: LATICRETE W/ SPECTRALOCK, 1/8" JOINT GROUT COLOR: DUSTY GREY #60 NOTE: USE W.4 BASE. PROVIDE SCHLUTER EKE U 11/O 10 PG IF COVED TRANSITION IS REQUIRED	F.4 FLOOR TRANSITION: MFGR: SCHLUTER SERIES: RENO-U REDUCER, EBU125 HEIGHT: 1/2" (12.5mm) FINISH: SATIN ANODIZED ALUMINUM VENDOR: HJC	M.7 SMART SEAM WALL PANEL: PRIME MFGR: MARLITE SERIES: SYMMETRIX SMART SEAM COLOR: #215031 - SYM S5817 G8165 WHITE/GREY 48X96 HG4 SIZE: 48"x96" PANEL (HORIZONTAL) VENDOR: HJC NOTE: INSTALL W/ HIGH GRADE CONSTRUCTION ADHESIVE. SEE SHEET A6.1 FOR ALUM. TRIM SPECS. & DETAILS PVC TRIMS ARE NOT ACCEPTABLE!	M.17 CORNER GUARD: MFGR: CONSTRUCTION SPECIALTIES SERIES: ACROVYN SURFACE MOUNTED MODEL: #SSM204F949 COLOR: WHITE #949 SIZE: 2'x2"x48"long	W.1 CAKE ENCLOSURE WALL TILE: UPGRADE OPTION MFGR: OLYMPIA TILE INC. SERIES: OCEANI COLOR: WHITE, GLOSSY (KD.OC.WHT.2,5X10) SIZE: 2.5"x10" STACKED/GRID PATTERN GROUT: LATICRETE PERMACOLOR, 1/8" JOINT GROUT COLOR: SMOKE GREY #89 VENDOR: HJC	G.2 GREY WITH RED SPARKLES: UPGRADE OPTION MFGR: THE BERNARD GROUP SERIES: INSET AT LOBBY WALL PANELING COLOR: GREY WITH RED SPARKLES WALLPAPER (WWPG) SIZE: 50" WIDTH BOLT x L.F. AS REQUIRED NOTES: INSTALL HORIZONTAL, DO NOT PATTERN MATCH
F.2 KITCHEN QUARRY FLOOR TILE: MFGR: METROPOLITAN CERAMICS SERIES: QUARRY BASICS COLOR: BOULEVARD #107 SIZE: 8"x8" W/ MATCHING 6"x8" COVE BASE TRIMS AT MOP SINK: BULLNOSE & FLAT TOP COVE TRIMS VENDOR: HJC GROUT: LATICRETE SPECTRALOCK 2000 IG, 3/8" JOINT GROUT COLOR: DUSTY GREY #60	F.5 REST ROOM FLOOR TILE: MFGR: PANARIA SERIES: CONNECT COLOR: AKASHI FINISH: NATURAL SIZE: 12"x24" RUNNING BOND PATTERN VENDOR: HJC GROUT: LATICRETE W/ SPECTRALOCK, 3/8" JOINT GROUT COLOR: DUSTY GREY #60 NOTE: USE W.4 BASE WITH F.3 COVE	M.8 WAINSCOT TILE IN DINING ROOM: MFGR: MILESTONE COLOR: PLASTER 2.0 SILVER GREY SIZE: 12"x24" VENDOR: HJC GROUT COLOR: SMOKE GREY PERMACOLOR	M.18 FRP: MFGR: SEQUENTIA COLOR: WHITE FINISH: PEBBLED NOTE: PROVIDE ALL MATCHING TRIM PIECES. INSTALL PER MANUFACTURERS REQUIREMENTS.	W.2 WALL TILE: UPGRADE OPTION MFGR: KATE-LO TILE & STONE SERIES: CD MODULAR COLOR: ARCTIC WHITE (KB.CD.ARW.1020.BR) SIZE: 10"x20" STACKED PATTERN GROUT: LATICRETE PERMACOLOR, 1/8" JOINT GROUT COLOR: SMOKE GREY #89 VENDOR: HJC	G.3 VESTIBULE GRAPHIC WALL COVERING: UPGRADE OPTION MFGR: THE BERNARD GROUP SERIES: COMMERCIAL GRADE TYPE II-J COLOR: RED WITH RED ICONS (18WP-FR OR 27WP-FR) SIZE: 50" WIDTH BOLT x 18" OR 27" LENGTH, 27.72" REPEAT NOTE: PROVIDE PROTECTION AT OUTSIDE CORNERS WITH BRUSHED ALUMINUM GUARDS FULL HEIGHT.
F.2.1 KITCHEN FLOORING (BID ALTERNATE) MFGR: SILIKAL SERIES: SILIKAL RESINOUS FLOORING COLOR: TO BE SELECTED BY OWNER NOTE: PROVIDE AN INTEGRAL 6" COVE BASE	M.1 PAINT: (LIGHT) COLOR: SILVER CHAIN #1472 PRODUCT: ULTRA SPEC SCUFF-X INTERIOR LATEX MATTE 484 PRIMER: ULTRA SPEC 500 INTERIOR LATEX PRIMER 534	M.9 LOBBY WALL PAINT: MFGR: BENJAMIN MOORE COLOR: HEARTHSTONE 1601 PRODUCT: ULTRA SPEC SCUFF-X INTERIOR LATEX MATTE N484 PRIMER: ULTRA SPEC 500 INTERIOR LATEX PRIMER 534	M.20 WINDOW SHADE: GENERAL CONTRACTOR TO PROVIDE & INSTALL -WINDOW HEAD FRAME MOUNTED -SNAP ON FASCIA, BRONZE #876 -FABRIC: SUMMIT U500, COLOR: FOG/WHITE C7805 VENDOR: CE CONTRACT	W.3 UPGRADE RESTROOM WALL TILE: MFGR: PANARIA SERIES: CONNECT COLOR: 505PHI, NATURAL SIZE: 12"x24" STACKED PATTERN GROUT: LATICRETE PERMACOLOR, 1/4" JOINT GROUT COLOR: SMOKE GREY #89 VENDOR: HJC	G.4 GRAPHIC WALL COVERING: UPGRADE OPTION ALTERNATE "M.1" MFGR: THE BERNARD GROUP SERIES: COMMERCIAL GRADE TYPE II-J COLOR: GREY WITH GREY ICONS (18WP-F OR 27WP-F) SIZE: 50" WIDTH BOLT x 18" OR 27" LENGTH, 27.72" REPEAT NOTE: PROVIDE PROTECTION AT OUTSIDE CORNERS WITH BRUSHED ALUMINUM GUARDS FULL HEIGHT.
F.3 RESTROOM FLOOR BASE COVED TRANSITION TRIM: MFGR: SCHLUTER SYSTEMS SERIES: DILEX-AHK MODEL: AHK 1S 125 AE MAT'L: SATIN ANODIZED ALUMINUM, 8'-2 1/2" LENGTHS VENDOR: HJC NOTE: PROVIDE ASSOCIATED ACCESSORIES - INSIDE CORNER: 190/AHK IS/AE - OUTSIDE CORNER: E/AHK IS/AE - CONNECTOR: V/AHK	M.2 DOOR & MILLWORK LAMINATE: MFGR: WILSONART COLOR: NORTH SEA D90-60	M.9.1 LOBBY ACCENT WALL TILE: UPGRADE OPTION MFGR: PANARIA SERIES: HOME COLOR: GREY RANGE FINISH: MATTE SIZE: 12"x24" STACKED PATTERN GROUT: LATICRETE PERMACOLOR, 1/4" JOINT GROUT COLOR: DUSTY GREY #60 VENDOR: HJC NOTE: USE W.6 AT FINISH TRANSITIONS. DO NOT DOUBLE LAYER GYP. BD, OR USE M.10 TRIM	M.24 DINING CEILING TILE/GRID: MFGR: ARMSTRONG SERIES: FINE FISSURED SIZE: 24"x24"x3/4" SQUARE LAY-IN COLOR: GREY STONE GRID: PRELUDE XL 15/16" EXPOSED TEE GRID COLOR: GREY STONE VENDOR: HJC NOTE: PAINT CEILING DIFFUSERS: BENJAMIN MOORE WILLOW CREEK #1468	W.4 WALL BASE TILE: DINING ROOM MFGR: MILESTONE SERIES: PLASTER 2.0 COLOR: SILVER GREY #1102931 SIZE: 6"x24" (CUT FROM 12x24) GROUT: LATICRETE PERMACOLOR, 1/4" JOINT GROUT COLOR: DUSTY GREY #60 VENDOR: HJC NOTE: USE WITH F.5 AND F.1 TILE UPGRADE OPTION	
	M.5 RESTROOM CEILING AND SOFFIT: MFGR: BENJAMIN MOORE COLOR: SHORELINE #1471 PRODUCT: ULTRA SPEC SCUFF-X INTERIOR LATEX MATTE 484 PRIMER: ULTRA SPEC 500 INTERIOR LATEX PRIMER 534	M.12 COUNTER TOP AND SILL SOLID SURFACE: MFGR: CORIAN SOLID SURFACE SIZE: 1/2" THICK COLOR: CIRRRUS WHITE (MATTE FINISH)	M.28 KITCHEN CEILING TILE/GRID: MFGR: ARMSTRONG SERIES: VINYLCLAD SIZE: 24"x48"x1/2" SQUARE EDGE COLOR: WHITE GRID: PRELUDE 15/16" EXPOSED TEE GRID COLOR: WHITE VENDOR: HJC	W.6 TILE ACCESSORIES: MFGR: SCHLUTER SYSTEMS STYLE: QUAD-EC COLOR: SATIN ANODIZED ALUM. (AE) SIZE: AS REQUIRED BY LOCATION & TILE THICKNESS VENDOR: HJC NOTE: PROVIDE ASSOCIATED ACCESSORIES -END CAP, OUTSIDE/INSIDE CORNER - EV/ -CONNECTOR - V/RO	
	M.6 ACCENT WALL: MFGR: BENJAMIN MOORE COLOR: BIG COUNTRY BLUE 2066-30 PRODUCT: ULTRA SPEC SCUFF-X INTERIOR LATEX MATTE N484 PRIMER: ULTRA SPEC 500 INTERIOR LATEX PRIMER 534	M.13 FRONT CABINET FACE LAMINATE: MFGR: WILSONART COLOR: MILWAUKEE JCT. RUST, Y0397K-22			

FINISH NOTES:

- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION MANUAL, THE MECHANICAL AND ELECTRICAL DRAWINGS ALONG WITH THEIR SPECIFICATIONS.
- FIELD VERIFICATION IS REQUIRED FOR QUANTITIES OF ALL MATERIALS PRIOR TO ORDERING AND INSTALLING. THIS INCLUDES FLOOR & WALL TILES, VINYL FLOORING, FRP, AND PAINT (DO NOT SCALE DRAWINGS).
- CONTRACTOR TO PHYSICALLY RECHECK ALL MEASUREMENTS PROVIDED IN THE DRAWINGS.
- UPON AWARD OF CONTRACT CONTRACTOR TO ORDER FINISH MATERIALS & CONFIRM DELIVERY DATE OF ORDER.
- ALL MATERIALS LISTED TO BE AS SPECIFIED OR AN APPROVED ALTERNATE. ANY PROPOSED ALTERNATES MUST BE SUBMITTED TO THE IDO ARCH/CONST. DEPT. FOR REVIEW PRIOR TO ORDERING.
- ALL MATERIALS LISTED TO BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED.
- ENSURE SUB FLOOR IS PROPERLY PREPARED FOR INSTALLATION OF SPECIFIED FLOOR FINISH.
- FLOOR FINISH TO EXTEND COMPLETELY UNDER MILLWORK.
- WHEN A CHANGE IN FLOOR FINISH OCCURS AT DOORWAY, THE SEAM IS TO BE CENTERED UNDER THE DOOR IN THE CLOSED POSITION, UNLESS OTHERWISE INDICATED.
- ALL FLOOR FINISHES TO BE PROTECTED FROM DAMAGE BY TRADES AFTER INSTALLATION. ANY DAMAGE TO BE REPAIRED AT NO COST TO THE OWNER.
- ALL DOOR FRAMES AND BASE MUST BE PROTECTED WITH APPROPRIATE MATERIAL TO AVOID DAMAGE DURING INSTALLATION OF FLOORING MATERIALS. THE PROTECTION MATERIALS AND METHOD OF ADHESION SHOULD NOT DAMAGE THE FINISH WHEN REMOVED. DAMAGE DONE TO COMPLETED WORK TO BE REPAIRED AT NO COST TO THE OWNER.
- CONTRACTOR TO PREPARE A PACK OF SIGNIFICANT SEE LEFTOVERS WHICH WILL REMAIN ON SITE FOR FUTURE REPAIRS AND PATCHING. (CONFIRM QUANTITY WITH CLIENT; 10% OVERAGE IS STANDARD).
- USE "XLT" GREY THINSET FOR ALL FLOOR & WALL TILE UNLESS NOTED OTHERWISE.
- USE "XLT" GREY THINSET BY LATICRETE FOR ALL FLOOR & WALL TILE UNLESS NOTED OTHERWISE.
- USE MANUFACTURERS RECOMMENDED ADHESIVE AND TRIMS FOR WALL PANELS & WAINSCOT MATERIALS.
- PROVIDE "HYDROBAN" BY LATICRETE FOR CRACK ISOLATION AS NEEDED.
- PROVIDE "LATEX" 100% SILICONE SEALANT BY LATICRETE AT CHANGE OF PLANE AS NEEDED.
- ANY KILN RELEASE RESIDUE MUST BE CLEANED OFF TILE BEFORE SETTING.
- PAINT TO PAINT TRANSITIONS MUST BE STRAIGHT, PLUMB, & LEVEL WITH SHARP CLEAN TRANSITIONS.

NEW BUILDING FOR:



250 SOUTH STUART AVENUE
ELKTON, VA 22827

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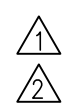


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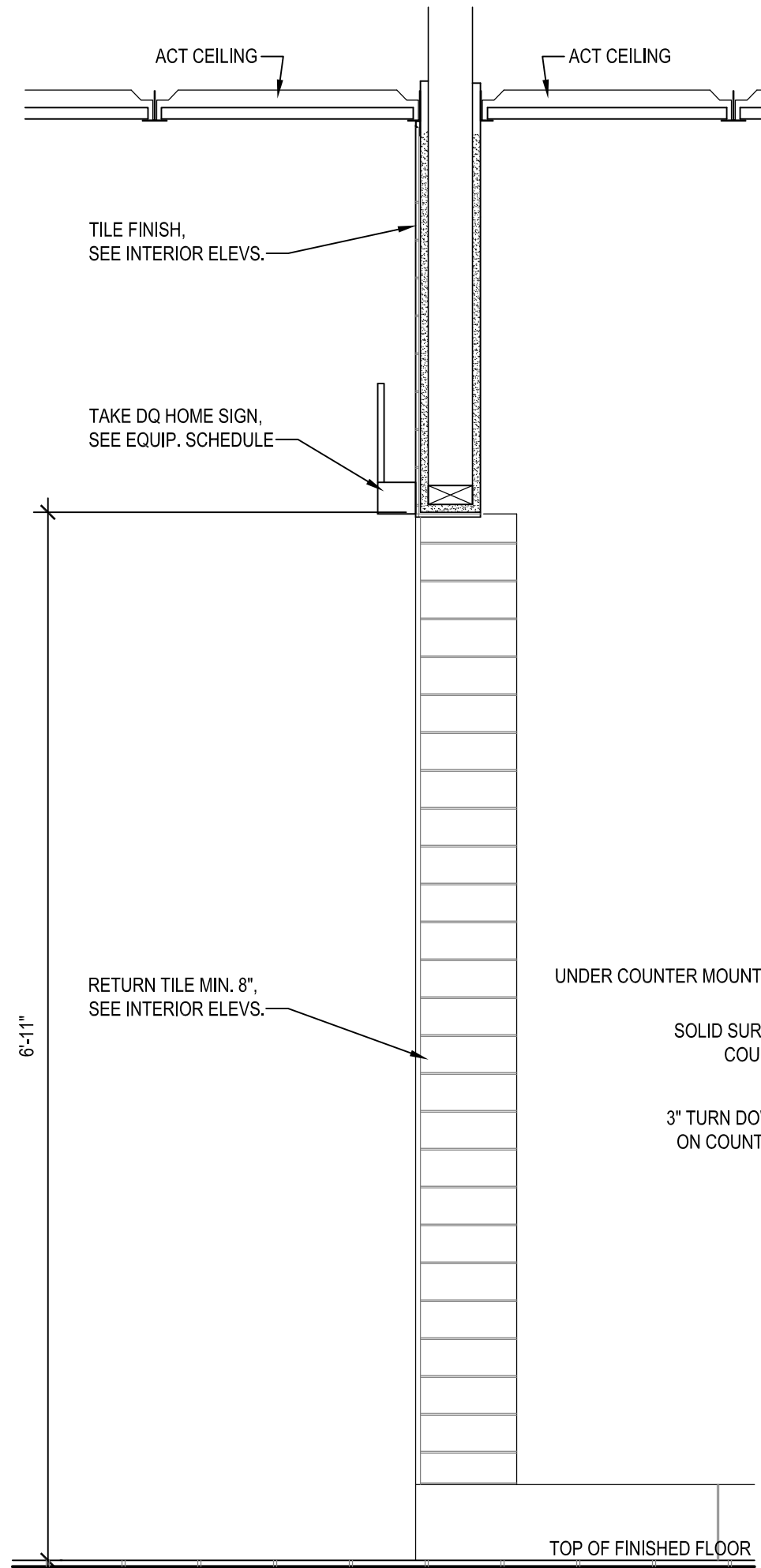
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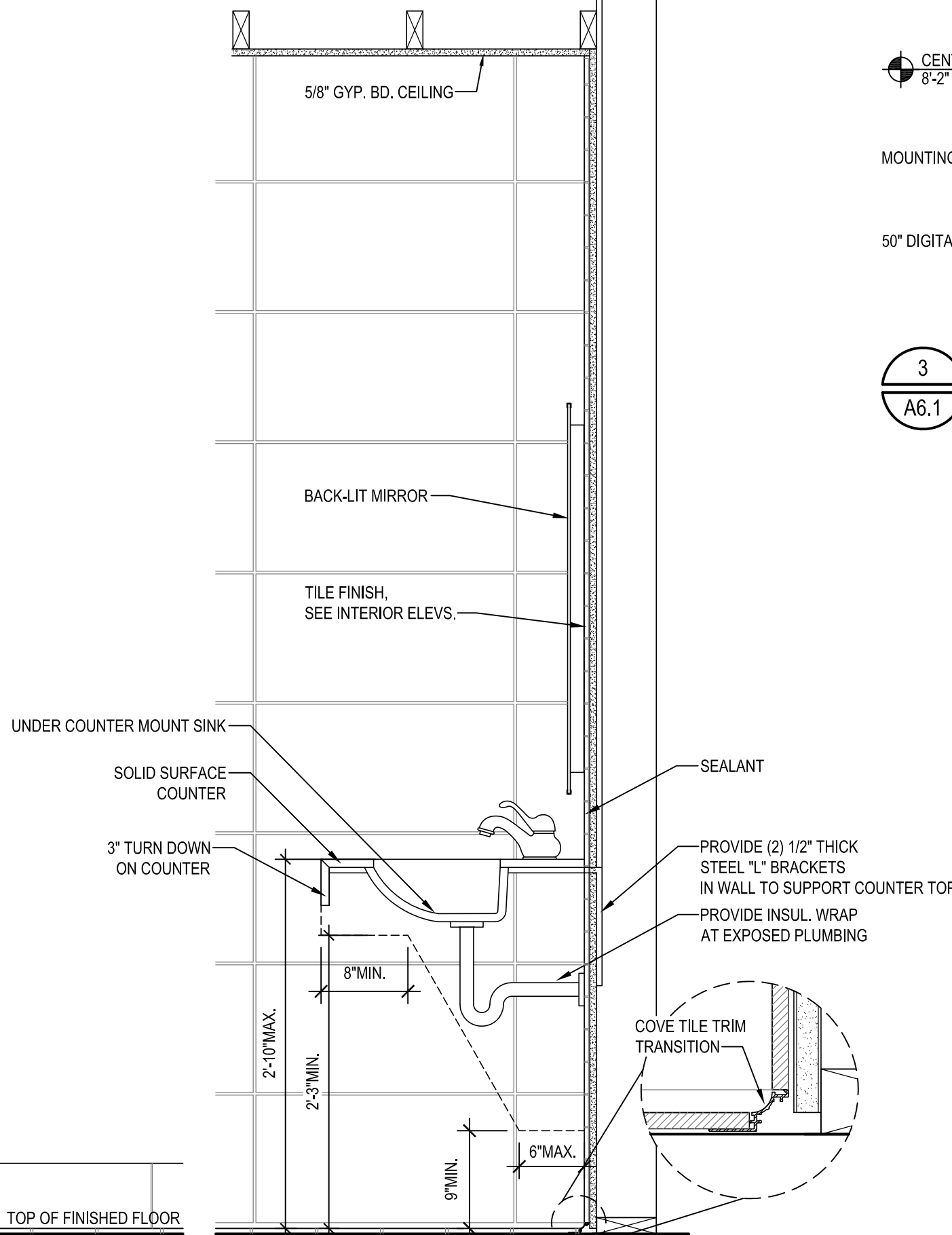
FINISH PLAN &
SCHEDULE

SHEET NUMBER:

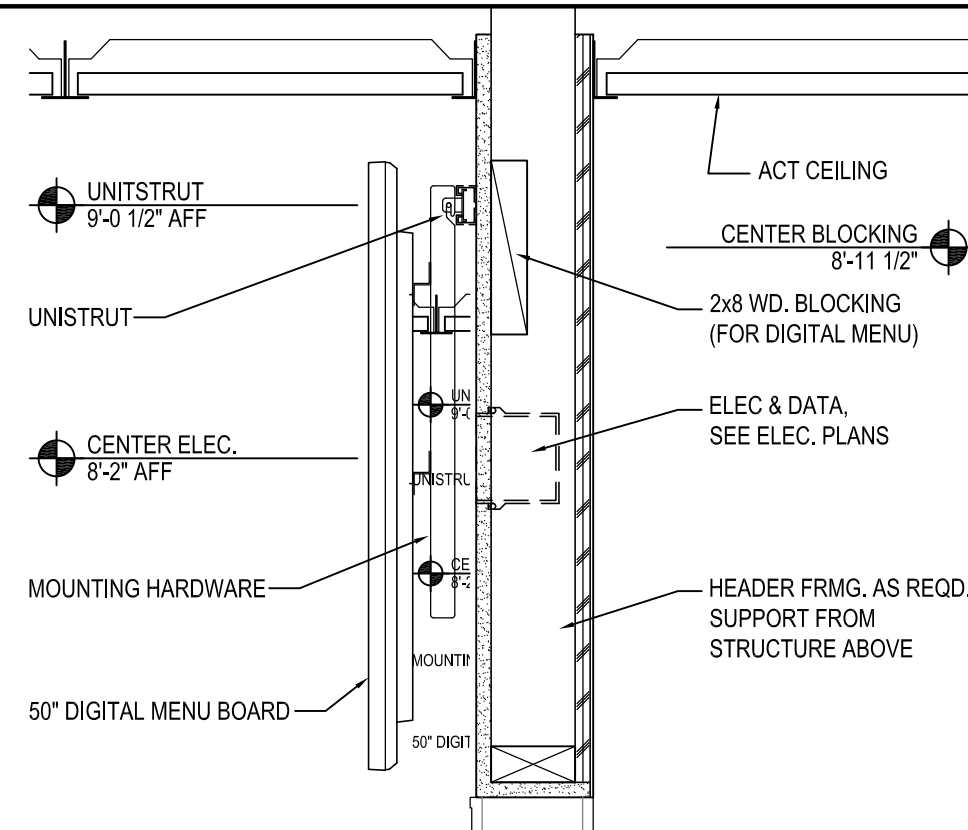
A5.3



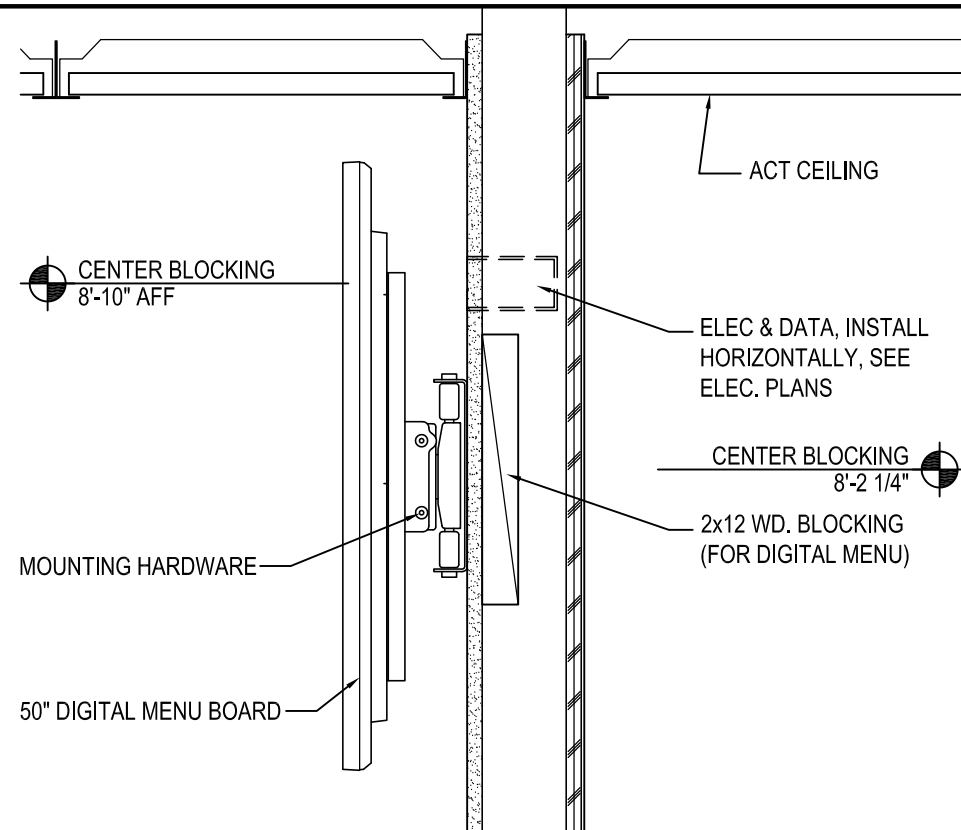
1 CAKE ENCLOSURE SECTION
A6.1 SCALE: 1" = 1'-0"



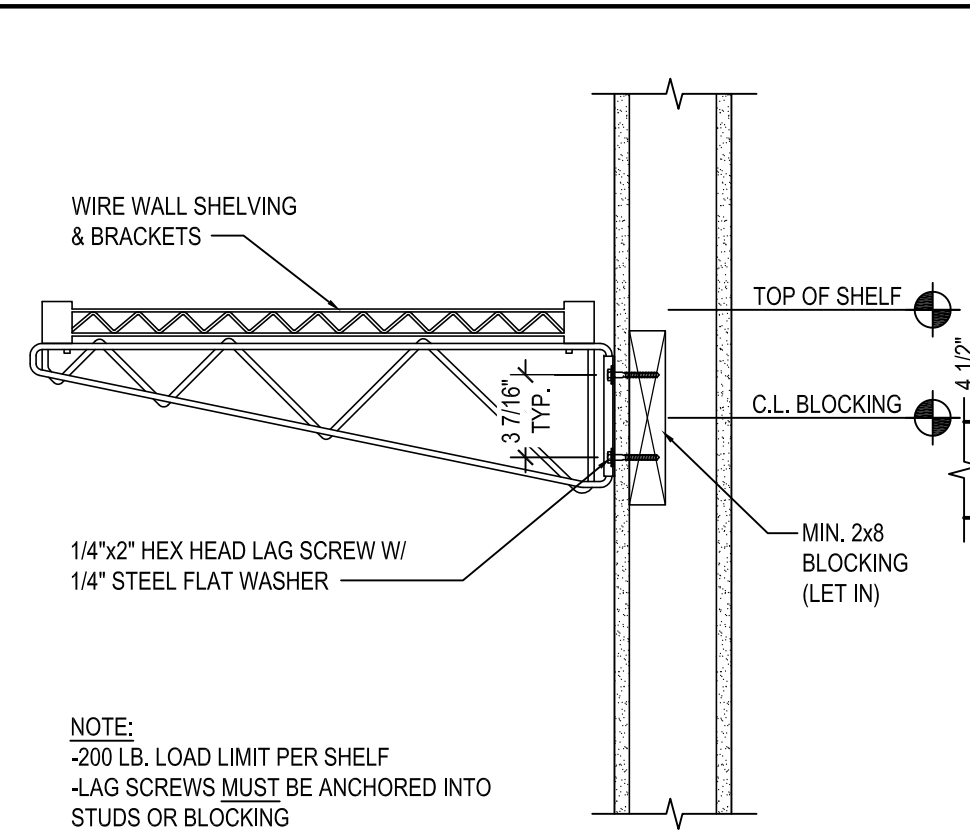
2 LAVATORY SECTION
A6.1 SCALE: 1" = 1'-0"



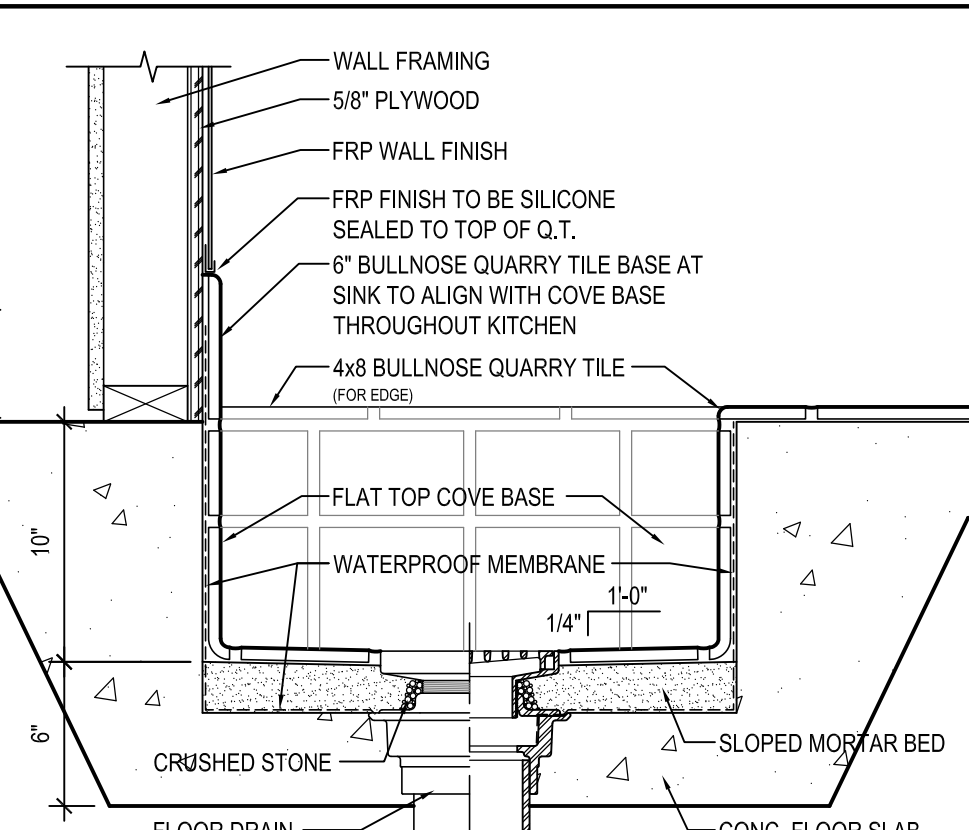
3 MENU BOARD BLOCKING 'A'
A6.1 SCALE: 1 1/2" = 1'-0"



4 MENU BOARD BLOCKING 'B'
A6.1 SCALE: 1 1/2" = 1'-0"



5 SHELVEING DETAIL
A6.1 SCALE: 1 1/2" = 1'-0"



6 MOP SINK DETAIL
A6.1 SCALE: 1 1/2" = 1'-0"

NOTE:
-200 LB. LOAD LIMIT PER SHELF
-LAG SCREWS MUST BE ANCHORED INTO STUDS OR BLOCKING

NEW BUILDING FOR:

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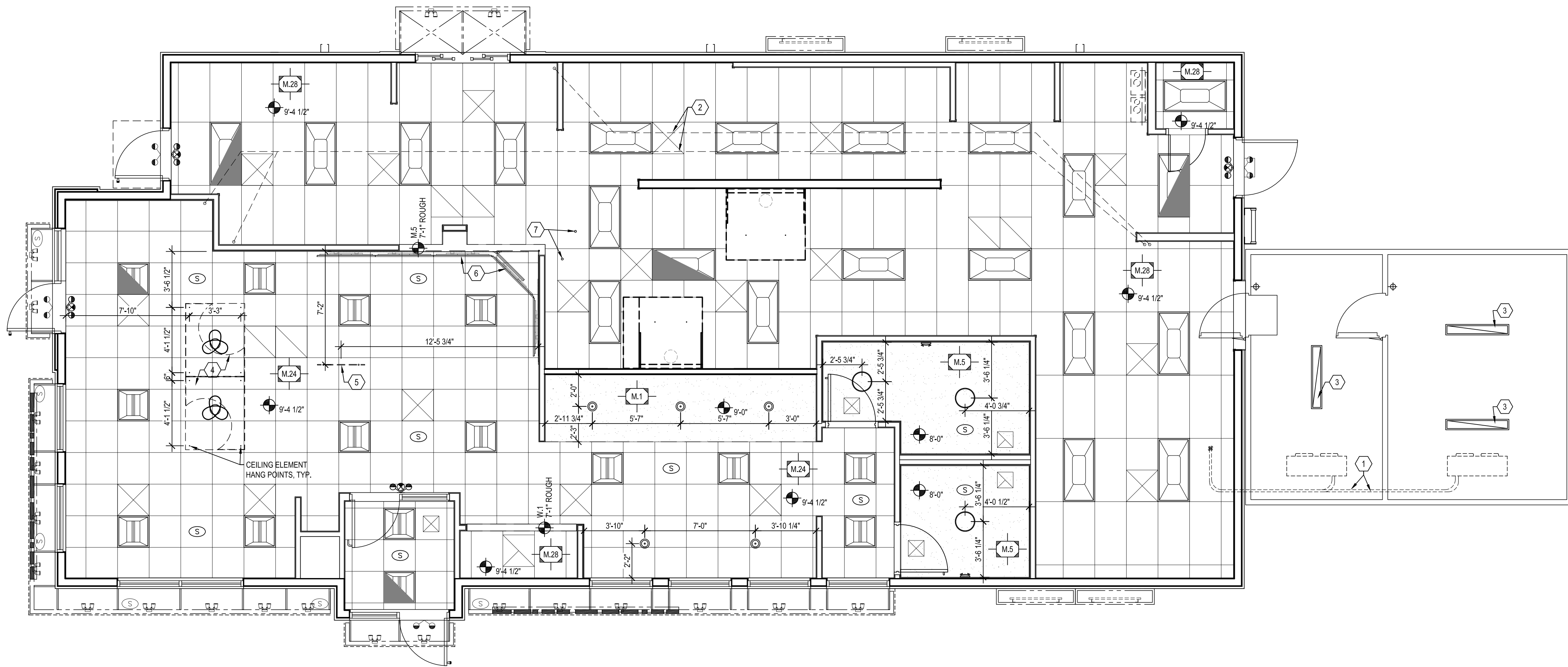
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DETAILS

SHEET NUMBER:
A6.1

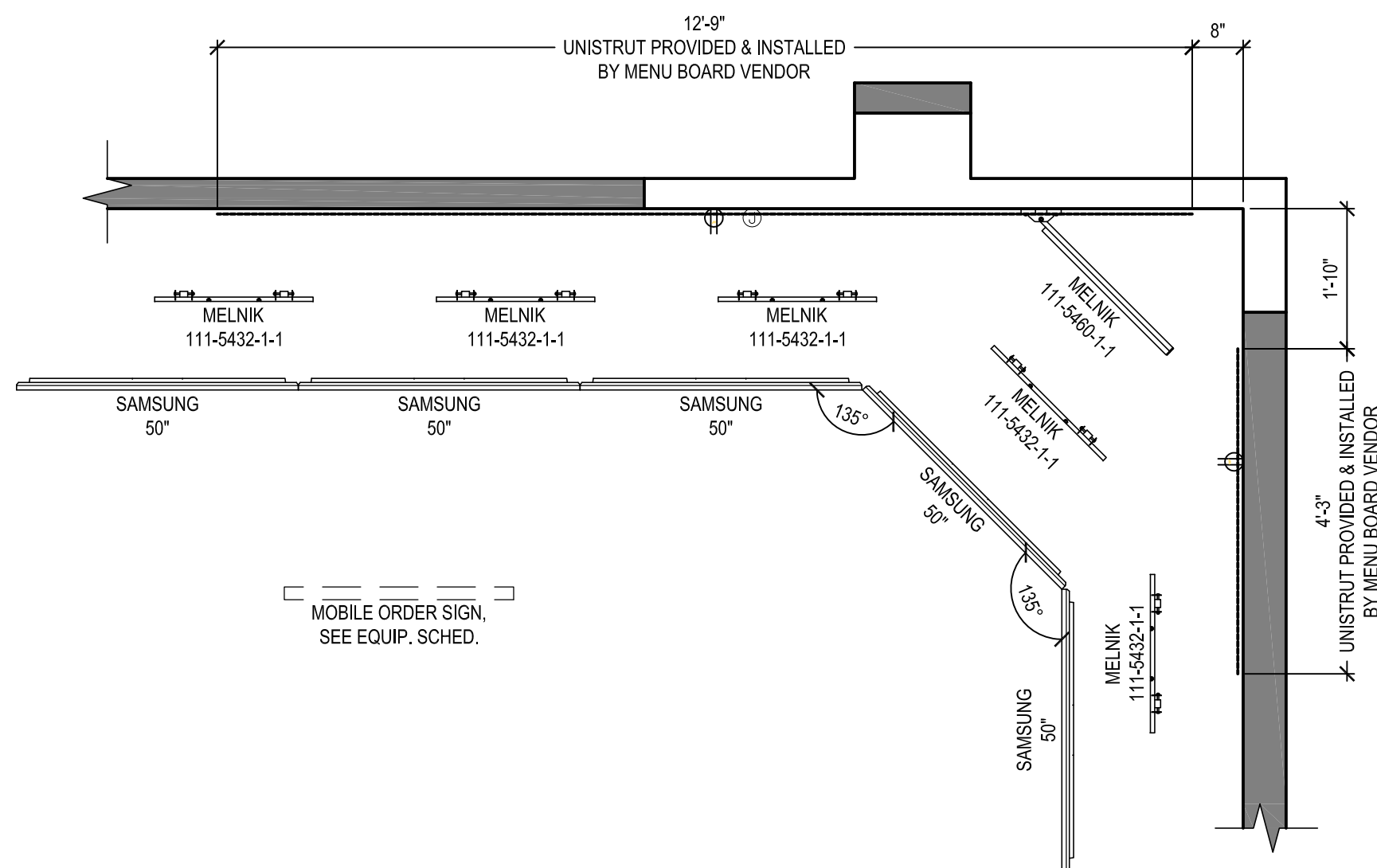
REFLECTED CEILING PLAN NOTES

- 1 PRE-CHARGED LINESET MOUNTED/SECURED TO WALK-IN CEILING - REFER TO A2.2 FOR ROOF PENETRATION LOCATION AND DETAILS. REFER TO MANUFACTURER SPECIFICATIONS FOR TYPICAL UTILITY PENETRATION REQUIREMENTS.
- 2 RUN SYRUP LINE(S) & WATER LINE(S) FROM BAG-IN-BOX TO DRINK HEAD(S) & MISTY SLUSH. SEE SHEET P2 FOR ADDITIONAL NOTES REGARDING OVERHEAD OR UNDERGROUND INSTALLATION.
- 3 WALK-IN LIGHTING PROVIDED BY MANUFACTURER, INSTALLED BY ELECTRICAL CONTRACTOR.
- 4 CEILING ELEMENT AND PENDANT LIGHTS COORDINATE LOCATION WITH SEATING BELOW. SEE 'F' SHEETS
- 5 COORDINATE LOCATION OF MOBILE ORDERS SIGN WITH FRONT COUNTER.
- 6 DIGITAL MENU BOARDS, MONITORS AND MOUNTING HARDWARE PROVIDED & INSTALLED BY VENDOR, SEE DETAIL 2/A7.1.
- 7 POLE MOUNTED KITCHEN MONITOR, MOUNTING HARDWARE PROVIDED BY EPOS VENDOR AND INSTALLED BY G.C.



1 REFLECTED CEILING PLAN

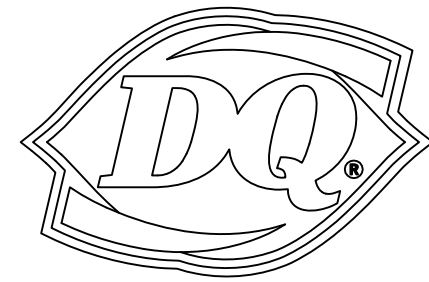
A7.1 SCALE: 1/4" = 1'-0"



2 MENU BOARD LAYOUT

A7.1 SCALE: 1/2" = 1'-0"

NEW BUILDING FOR:



250 SOUTH STUART AVENUE
ELKTON, VA 22827

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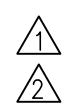
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REFLECTED CEILING PLAN

SHEET NUMBER:

A7.1

GENERAL STRUCTURAL NOTES:

DESIGN AND LOADING
THE STRUCTURAL DESIGN OF THIS BUILDING WAS BASED ON THE DESIGN CRITERIA:

BUILDING CODE: 2021 VIRGINIA UNIFORM STATEWIDE BUILDING CODE

1. FLOOR LIVE LOAD: 100 PSF
2. ROOF LIVE LOAD: 20 PSF (20 PSF TOP CHORD + 0 PSF BOTTOM CHORD)
ROOF DEAD LOAD: 25 PSF (15 PSF TOP CHORD + 10 PSF BOTTOM CHORD)
3. GROUND SNOW LOAD: 35 PSF
SNOW EXPOSURE FACTOR, C_e : 1.0
IMPORTANCE FACTOR: 1.10
THERMAL COEFFICIENT, C_t : 1.0
 $P_t = 24.5$ PSF
4. BASIC WIND SPEED: 110 MPH (3-SECOND GUST)
IMPORTANCE FACTOR: 1.00
BUILDING OCCUPANCY CATEGORY: II
WIND EXPOSURE: C
PRESSURES PER ASCE7
5. SEISMIC OCCUPANCY CATEGORY: II
IMPORTANCE FACTOR: 1.00
SITE CLASS: D
 $S_s = 0.154g$, $S_1 = 0.053g$
 $S_d = 0.164g$, $S_d1 = 0.084g$

DESIGN CATEGORY: B
LIGHT FRAMED WOOD WALLS WITH WOOD SHEAR PANELS
 $R = 6.5$, $C_s = 0.025$

FOUNDATION NOTES

1. THE FOUNDATION DESIGN OF THIS BUILDING WAS BASED ON THE FOLLOWING CRITERIA:
- A. MINIMUM ALLOWABLE SOIL BEARING CAPACITY = 2000 PSF. (ASSUMED) SOIL BORINGS MUST BE TAKEN PRIOR TO CONSTRUCTION TO VERIFY THE ACTUAL ALLOWABLE SOIL BEARING CAPACITY.
- B. FOUNDATIONS INDICATED MUST BE MODIFIED IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN THE VALUE NOTED IN ITEM 'A'
2. ALL EXTERIOR FOOTINGS SHALL EXTEND BELOW THE MAXIMUM ANTICIPATED DEPTH OF FROST.
3. AN INDEPENDENT TESTING AGENCY SHALL BE RETAINED BY THE OWNER TO PERFORM TESTING OF EARTHWORK. ALL FOOTING AND SUB-GRADES SHALL BE INSPECTED AND MONITORED BY THE TESTING AGENCY. ALL BACKFILL MATERIALS SHALL BE APPROVED BY TESTING AGENCY PRIOR TO PLACEMENT. THE ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD CONTRARY TO THOSE ASSUMED FOR DESIGN.

CONCRETE AND REINFORCING

1. ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 318) AND WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301) LATEST EDITIONS.
2. ALL NORMAL WEIGHT CONCRETE (145 PCF) SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI FOR FOUNDATIONS (4000 PSI FOR SLABS).
3. ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE SHALL BE AIR ENTRAINED AS RECOMMENDED BY ACI 318.
4. REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. ALL REINFORCING AND ACCESSORIES SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARD 315 AND 315R.
5. THE GENERAL CONTRACTOR SHALL CHECK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND THE SUB-CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK AND SHALL ASSUME RESPONSIBILITY FOR THEIR PROPER LOCATION.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "STEEL CONSTRUCTION MANUAL", LATEST EDITION.
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
- D. ANCHOR RODS F1554, GRADE 36
E. HIGH STRENGTH STRUCTURAL BOLTS A325-N U.N.O.
F. STRUCTURAL SHAPES (W) A992
G. STRUCTURAL SHAPES (M, S, C, MC, PLATES) A36
H. STRUCTURAL SHAPES (HP) A572
I. STRUCTURAL TUBING (HSS) A500 GRADE B
J. STRUCTURAL ANGLES A36
3. ALL WELDING ELECTRODES SHALL BE E70-XX. ALL SHOP AND FIELD WELDING SHALL BE MADE IN ACCORDANCE WITH A.W.S. D1.1 "CODE FOR WELDING IN BUILDING CONSTRUCTION" AND SHALL BE MADE BY CERTIFIED WELDERS.

CONSTRUCTION AND CONTROL JOINTS IN CONCRETE

1. CONSTRUCTION JOINTS SHALL BE MADE AS DETAILED ON THE DRAWINGS.
2. MAXIMUM SPACING FOR CONTROL JOINTS IN SLAB ON GRADE SHALL BE 12'-0"
3. A 12'-0" MAXIMUM SPACING OF CONTROL JOINTS MAY NOT INSURE COMPLETE CONTROL OF SHRINKAGE CRACKS. A CLOSER SPACING MAY BE USED BY REQUEST OF OWNER IF MORE COMPLETE SHRINKAGE CRACK CONTROL IS DESIRED. CONTRACTOR TO VERIFY WITH OWNER.

ROOF TRUSSES

1. TRUSSES SHALL BE DESIGNED TO MEET ALL LOADING AND SPANS AS INDICATED ON THE PLANS.
2. TRUSSES SHALL BE DESIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER.
3. SUPPLIER SHALL BE RESPONSIBLE FOR ALL BRACING AND/OR BRIDGING REQUIRED FOR THE DESIGN OF THE TRUSS MEMBERS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING AND/OR BRIDGING REQUIRED DURING CONSTRUCTION.

SAWN LUMBER

1. ALL GRADES OF LUMBER SHALL BE RATED BY THE SOUTHERN PINE INSPECTION BUREAU (SPIB), OR THE NATIONAL LUMBER GRADES AUTHORITY (NLGA). LUMBER GRADES SHALL BE AS FOLLOWS, WITH A MAXIMUM MOISTURE CONTENT OF 19%:
- A. SPRUCE-PINE-FIR No. 1/ No. 2 OR BETTER, TYP. U.N.O. SPF(S) IS NOT ALLOWED
B. TREATED SILL PLATE SOUTHERN PINE NO. 3 OR BETTER.
2. BOLT HEADS AND NUTS BEARING ON WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
3. MINIMUM NAILED CONNECTIONS FOR WOOD FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH THE LOCAL BUILDING CODE OR TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE IF NO OTHER CRITERIA IS GIVEN.
4. CONNECTORS SHOWN ON THE DETAILS ARE MANUFACTURED BY SIMPSON/USP. WRITTEN APPROVAL BY ENGINEER REQUIRED FOR SUBSTITUTIONS.

ROOF & WALL SHEATHING

1. ALL SHEATHING SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION (APA) DESIGN SPECIFICATIONS, LATEST EDITION. SHEATHING SHALL BE CONTINUOUS OVER THREE ADJACENT SPANS MINIMUM.
2. WALL SHEATHING SHALL BE 15/32" (1/2" NOMINAL) APA RATED SHEATHING, EXPOSURE 1, 24/16. ALL WALL SHEATHING SHALL BE FASTENED TO SUPPORTING MEMBERS W/ .131 x 2 1/2" NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATED SUPPORTS, U.N.O.
3. ROOF SHEATHING SHALL BE 15/32" (5/8" NOMINAL) APA RATED SHEATHING, EXPOSURE 1, 40/20. ALL ROOF SHEATHING SHALL BE FASTENED TO SUPPORTING MEMBERS W/ .148 x 3" NAILS @ 6" O.C. AT PANEL EDGES, AND 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O.

SHOP DRAWINGS

1. SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY CONTRACTOR PRIOR TO SUBMITTING TO THE ENGINEER AND ARCHITECT
2. FABRICATORS ARE TO CREATE THEIR OWN DRAWINGS.

SHOP DRAWING SUBMITTALS SHALL INCLUDE THE FOLLOWING:

- A. CONCRETE MIX DESIGN
B. FOUNDATION REINFORCING BARS
C. STRUCTURAL STEEL
D. WOOD TRUSSES AND CALCULATIONS
E. TRELLIS SYSTEM & CALCULATIONS

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 1704 OF IBC AND THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED UNDER SECTION 1705. THE FOLLOWING AREAS OF WORK REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH THE LISTED IBC SECTIONS/LOCATIONS:
- A. SOILS - SECTION 1705.6 PER TABLE 1705.6
B. CONCRETE - SECTION 1705.3 PER TABLE 1705.3
C. STEEL - SECTION 1705.2

MISCELLANEOUS

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS WHICH MUST BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER/ARCHITECT IMMEDIATELY.
2. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES, AND FOR SAFE CONDITIONS ON THE JOB SITE.
3. DO NOT SCALE THE DRAWINGS.
4. DO NOT PROCEED WITH ANY DEGREE OF UNCERTAINTY

(OPTIONAL) CMU MASONRY

1. MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", TMS 402/ACI 530/ASCE 5 AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (TMS 602/ACI 530.1/ASCE 6)
2. MASONRY MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS:
- H. HOLLOW LOAD BEARING CONCRETE BLOCK: ASTM C-90, GRADE N1 MINIMUM COMPRESSIVE STRENGTH = 1900 PSI AT 28 DAYS.
- I. MORTAR: ASTM C-270, TYPE S MINIMUM COMPRESSIVE STRENGTH = 1800 PSI AT 28 DAYS.
- J. MORTAR: ASTM C-270, TYPE M MINIMUM COMPRESSIVE STRENGTH = 2500 PSI AT 28 DAYS (USED FOR BELOW GRADE WORK)
- K. GROUT: ASTM C-476, MINIMUM COMPRESSIVE STRENGTH = 2000 PSI AT 28 DAYS
- L. MASONRY REINFORCEMENT: ASTM A-82, GALVANIZED
- M. MASONRY PRISM STRENGTH: FM = 1500 PSI

3. PRIOR TO DELIVERY OF MASONRY UNITS TO THE JOB SITE, FURNISH TO THE OWNER SUBMITTALS CERTIFYING THAT ALL UNITS CONFORM TO THEIR RESPECTIVE ASTM REQUIREMENTS.
4. CALCIUM CHLORIDE AND/ OR ADMIXTURES CONTAINING CALCIUM CHLORIDE ARE NOT ALLOWED TO BE INCLUDED IN MORTAR OR GROUT MIX.
5. NO EXTERIOR MASONRY SHALL BE LAID WHEN THE OUTSIDE AIR TEMPERATURE IS LESS THAN 40 DEGREES FAHRENHEIT, UNLESS THE RECOMMENDATIONS SPECIFIED BY THE INTERNATIONAL MASONRY INDUSTRY ALL WEATHER COUNCIL IN THEIR PUBLICATION "RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR COLD WEATHER MASONRY" ARE STRICTLY FOLLOWED.

THE MASONRY CONTRACTOR SHALL PROVIDE LATERAL BRACING AND SHORING AS REQUIRED

(OPTIONAL) CMU MASONRY SPECIAL INSPECTIONS

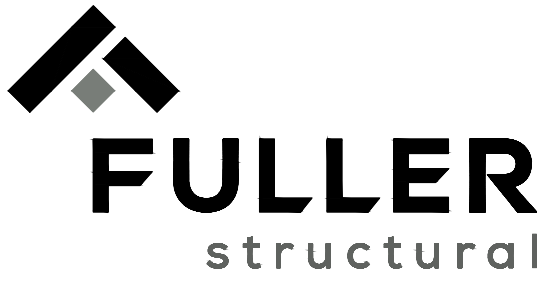
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- A. SOILS - SECTION 1705.6 PER TABLE 1705.6
B. CONCRETE - SECTION 1705.3 PER TABLE 1705.3
C. STEEL - SECTION 1705.2
D. MASONRY - SECTION 1705.4

NEW BUILDING FOR:



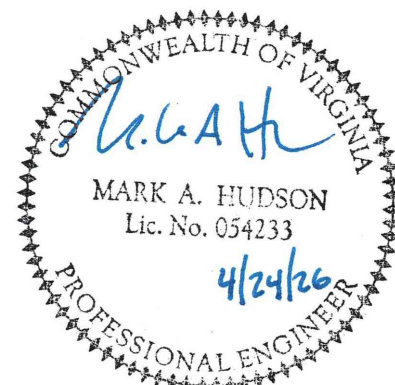
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FULLER GROUP PROJECT # 26112



VIRGINIA ARCHITECT
LICENSE NUMBER 0401017034

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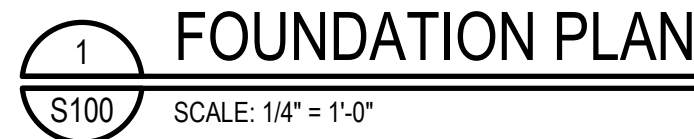
04/10/26 ORIGINAL ISSUE
04/24/26 REVISION 1





GENERAL
STRUCTURAL
NOTES

SHEET NUMBER:

S000



FOUNDATION PLAN NOTES:

1. ALL EXTERIOR WALL FOOTINGS TO BE 24" x 12" CONCRETE STRIP FOOTINGS WITH (3) #5 CONTINUOUS AT TYPICAL WALL.
2. TOP OF EXTERIOR FOOTING SHALL BE AT ELEVATION 97'-6" (U.O.N.)
3. ALL COLUMN FOOTINGS ARE CENTERED ON COLUMNS AND WALL FTGS ARE CENTERED BENEATH WALLS (U.O.N.).
4. STEPPED WALL FOOTINGS ARE INDICATED THUS:

- DROP FOOTING AS REQUIRED BY SITE TO MAINTAIN FROST COVER.
- CONTRACTOR NOTE: COORDINATE STEP LOCATIONS W/ FINAL SITE GRADE.
5. VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AND SLEEVES WITH OTHER TRADES. FOR MECHANICAL LINES BELOW FOUNDATION, DISCONTINUE OR THICKEN FOOTING AS INDICATED IN DETAIL.

6. PROVIDE 1/2" DIA. x 12" ANCHOR BOLTS AT 4'-0" O.C. AND PLACE WITHIN 12" OF ALL WINDOWS AND DOORS AT ALL EXTERIOR WALLS, AND INTERIOR BEARING WALLS. SEE SHEAR WALL SCHEDULE FOR ADDITIONAL ANCHOR BOLT REQUIREMENTS
7. VERIFY ALL DOOR AND STEEP LOCATIONS WITH OWNER AND ARCHITECT.
8. FOR SLAB ON GRADE RECESSES, SLOPES, FLOOR DRAINS, AND SLAB FINISHES, SEE ARCHITECTURAL DRAWINGS.
9. PROVIDE (2) #3x2'-0" LONG IN TOP OF SLAB, TYPICAL AT ALL RE-ENTRANT CORNERS AND AT ENDS OF CONTROL JOINTS THAT DO NOT TERMINATE AT EDGE OF SLAB.

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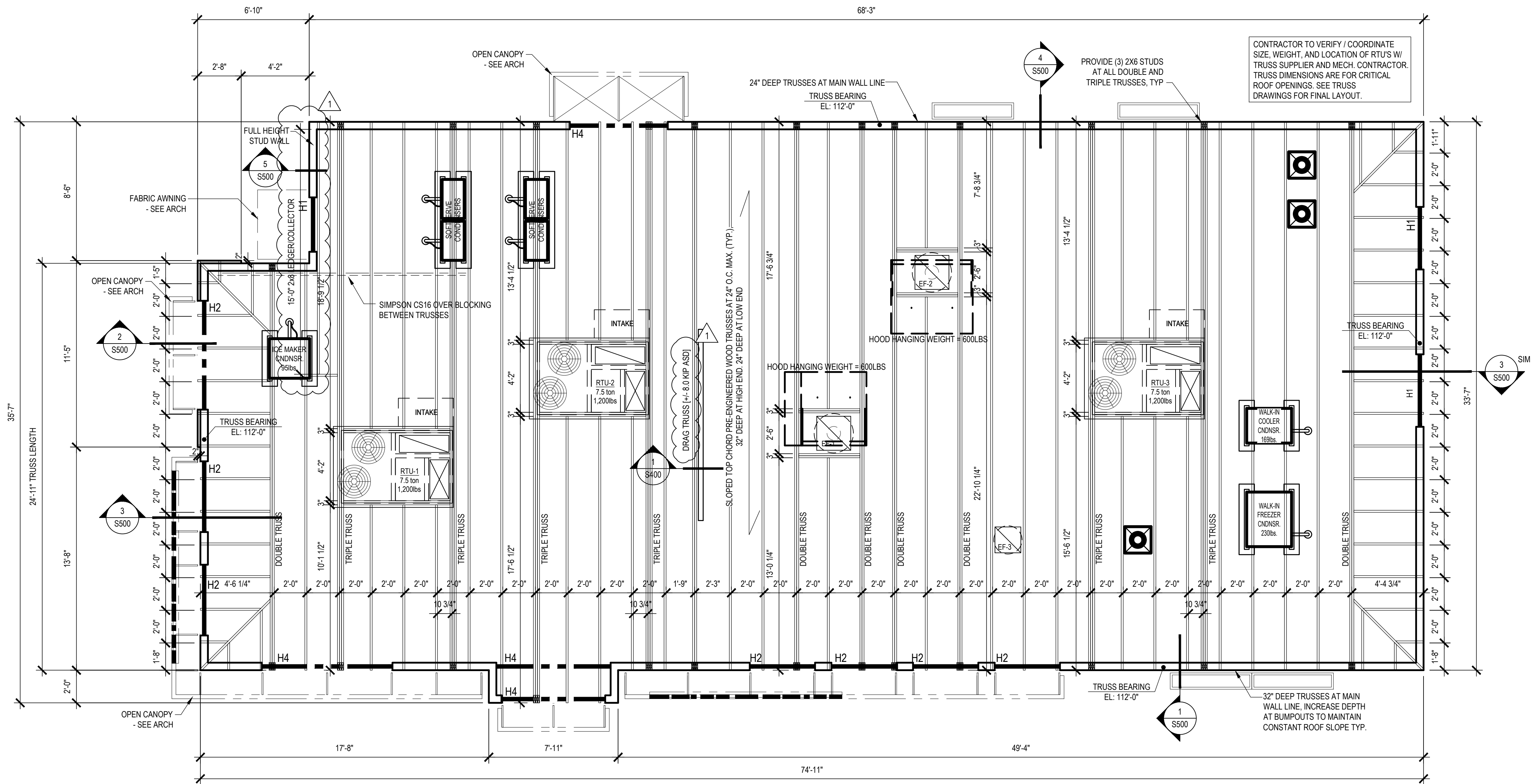
COMMONWEALTH OF VIRGINIA
M. A. HUDSON
 MARK A. HUDSON
 Lic. No. 054233
 4/24/26
 PROFESSIONAL ENGINEER

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2

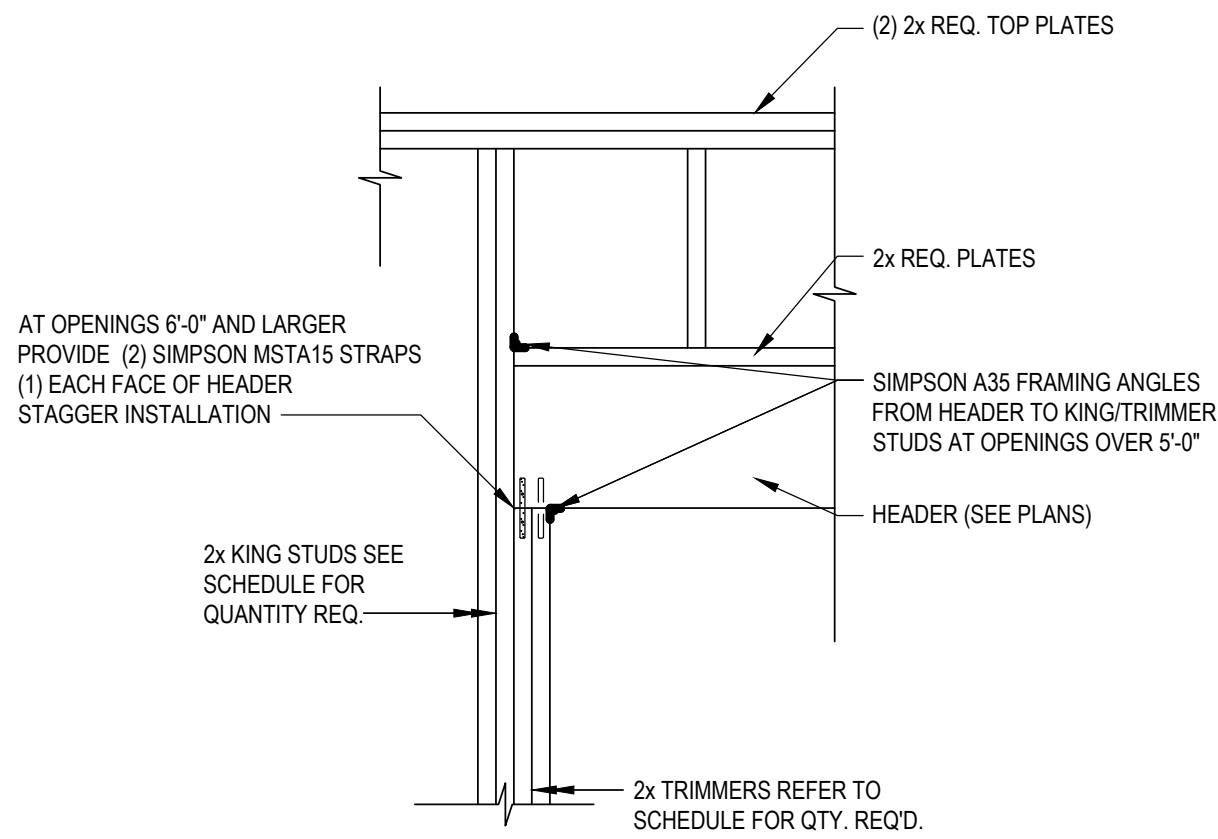
S100



NOTE:
SEE SHEET S100 FOR OUTSIDE FACE OF WOOD
SHEATHING/OUTSIDE FACE OF FOUNDATION
DIMENSIONS. DIMENSIONS SHOWN ON THIS SHEET
ARE TO OUTSIDE FACE OF ROUGH FRAMING.

1 ROOF FRAMING PLAN

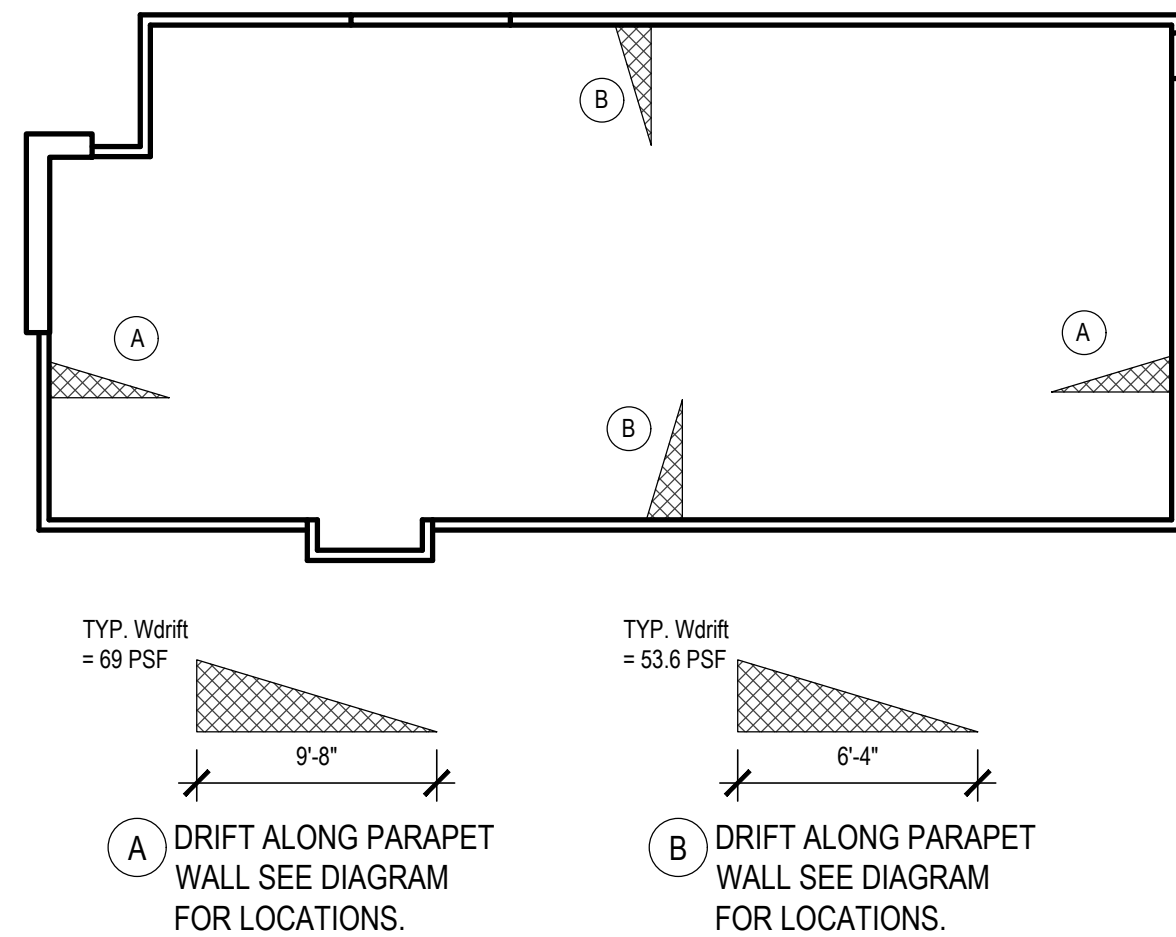
S200 SCALE: 1/4" = 1'-0"



NOTE:
KING AND TRIMMER STUDS TO BE SAME
WIDTH AS WALL CONSTRUCTION

2 HEADER DETAIL

S200



SNOW DRIFT LOAD DIAGRAMS

3 SNOW DRIFT LOAD DIAGRAMS

S200

HEADER SCHEDULE **			
MARK	SIZE	NO. OF TRIMMER STUDS	NO. OF KING STUDS
H1	(2) 2x10	1	2
H2	(3) 1 1/2 X 9 1/4" LVL	2	3
H3	(2) 1 1/2 X 16" LVL	2	3
H4	(3) 1 1/2 X 16" LVL	3	3
H5	(3) 1 1/2 X 16" LVL	3	4

**SEE PLAN FOR HEADER BEARING AT STEEL COLUMN

ROOF FRAMING PLAN NOTES:

- TRUSS SUPPLIER/ENGINEER TO USE THE FOLLOWING LOADING CRITERIA:
TOP CHORD:
SL = 35 PSF + DRIFT (SEE DIAGRAM)
DL = 15 PSF
BOTTOM CHORD:
DL = 10 PSF
WIND = PER ASCE 7-16 110MPH (ULTIMATE), EXP. C, BASED ON TRIBUTARY AREA.
MAX ROOF DL USED FOR UPLIFT = 10PSF
ROOF FRAMING SHALL BE DESIGNED FOR ADDITIONAL WEIGHT OF MECHANICAL EQUIPMENT.
VERIFY EQUIPMENT WEIGHT, LOCATION, AND DIMENSIONS WITH THE EQUIPMENT SUPPLIERS
PRIOR TO FINAL DESIGN. REFER TO STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
- TYPICAL TRUSS BEARING ELEVATIONS ARE SHOWN ON PLANS, (T.B.E. =).
- INSTALL TRUSSES AND BRACING PER TRUSS MANUFACTURER'S RECOMMENDATIONS.
- TYPICAL EXTERIOR WALLS TO BE 1/2" PLYWOOD OR OSB SHEATHING.
131x2 1/2" NAILS SPACED AT 6" O.C. AT EDGES AND BOUNDARIES, 12" O.C. IN THE FIELD, U.N.O.
-SEE DETAIL 2 FOR ADDITIONAL SHEARWALL REQUIREMENTS
- TYPICAL WALL STUDS ARE 2x6 SPF NO. 1 / NO. 2 OR BETTER AT 16" O.C. U.N.O. ON PLANS.
- ROOF SHEATHING TO BE 5/8" THICKNESS (NOMINAL) 3/4" SPAN RATING (W/ 1483" NAILS
AT 12" OC IN THE FIELD AND 6" OC AT EDGES AND BOUNDARIES. SEE DETAIL 3
AND STRUCTURAL NOTES FOR ROOF NAILING REQUIREMENTS

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REVISION DATE:

04/10/26 ORIGINAL ISSUE

04/24/26 REVISION 1

REVISION 1

ROOF FRAMING PLAN

SHEET NUMBER:

S200

NEW BUILDING FOR:



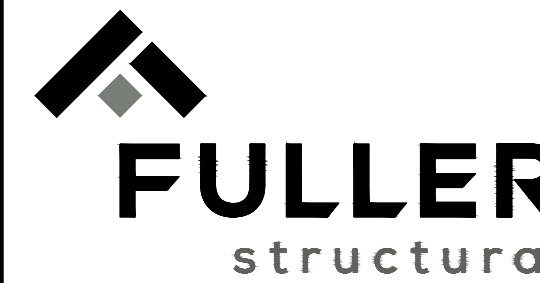
GRILL & CHILL

250 SOUTH STUART AVENUE
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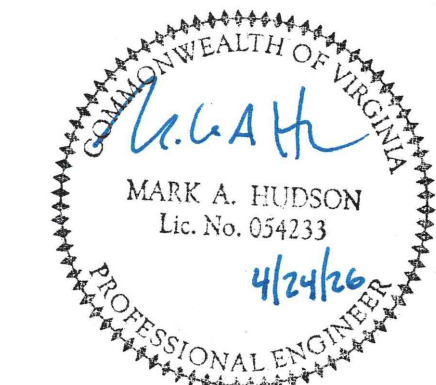
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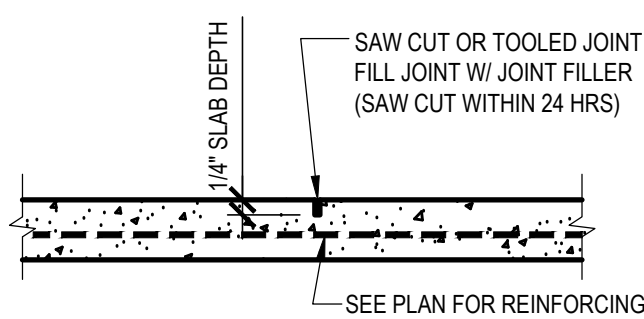
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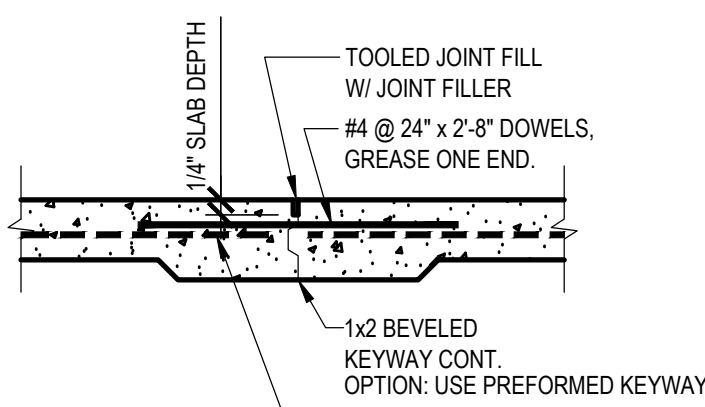
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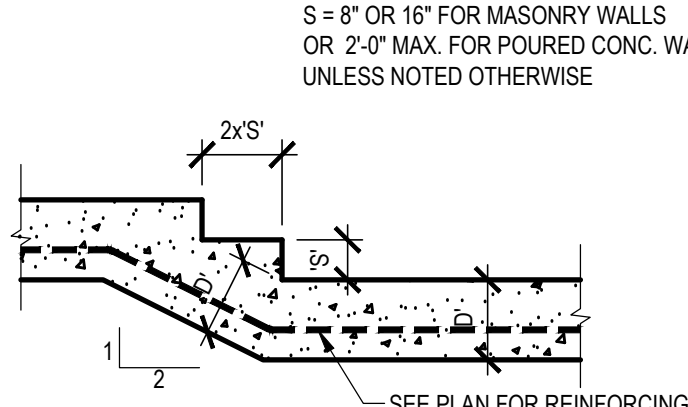
NOTE: SEE STRUCTURAL NOTES FOR SPACING

1 CONTROL JOINT - SLAB
S300



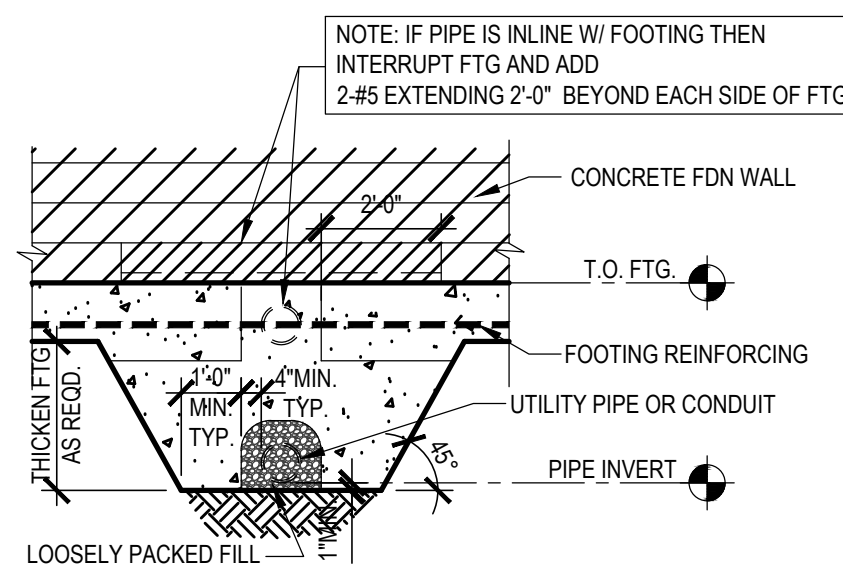
NOTE: LOCATION BY CONTRACTOR LOCATE AT C.J.

2 CONSTRUCTION JOINT - SLAB
S300

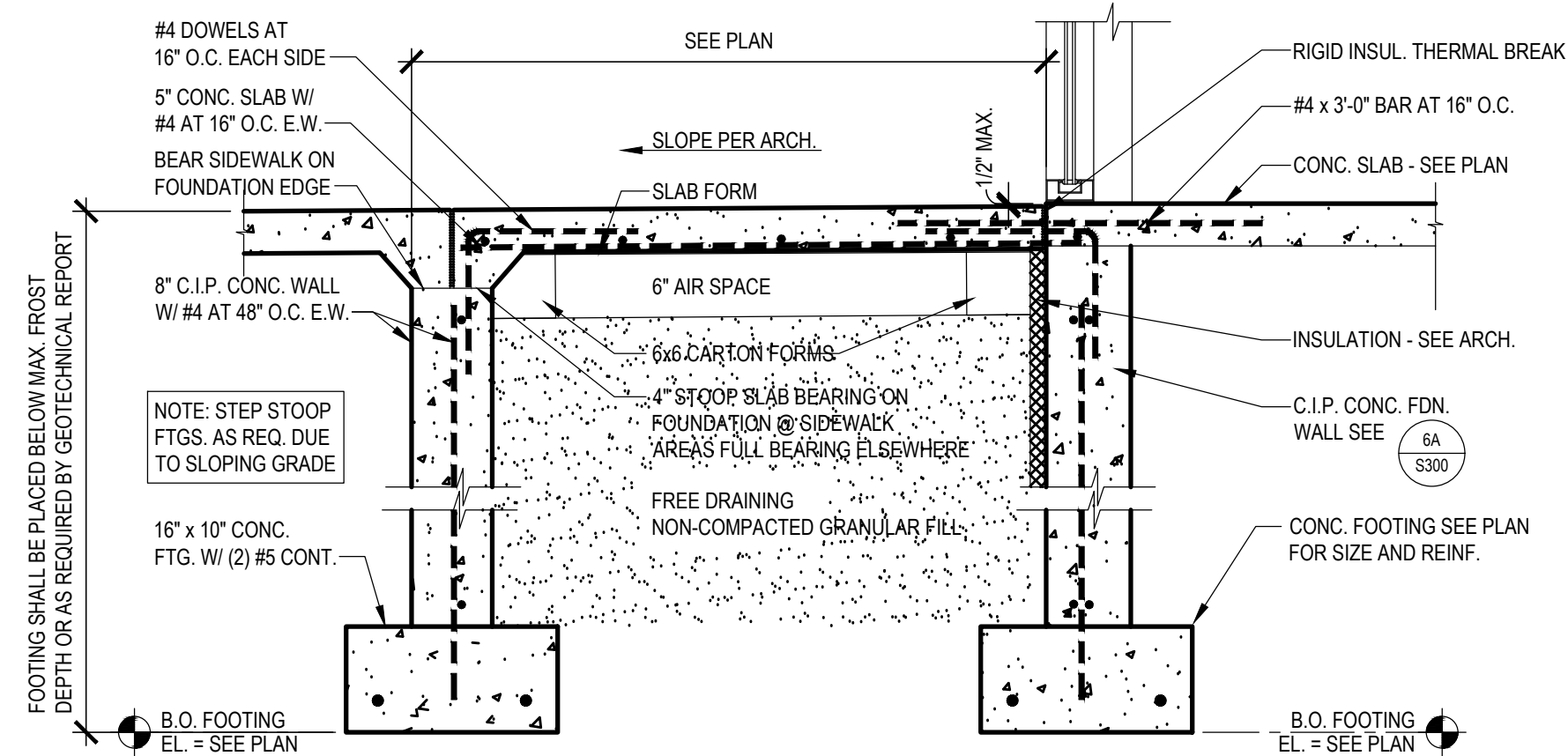


USE STEP FOOTING IF REQ'D AT POOR SOIL

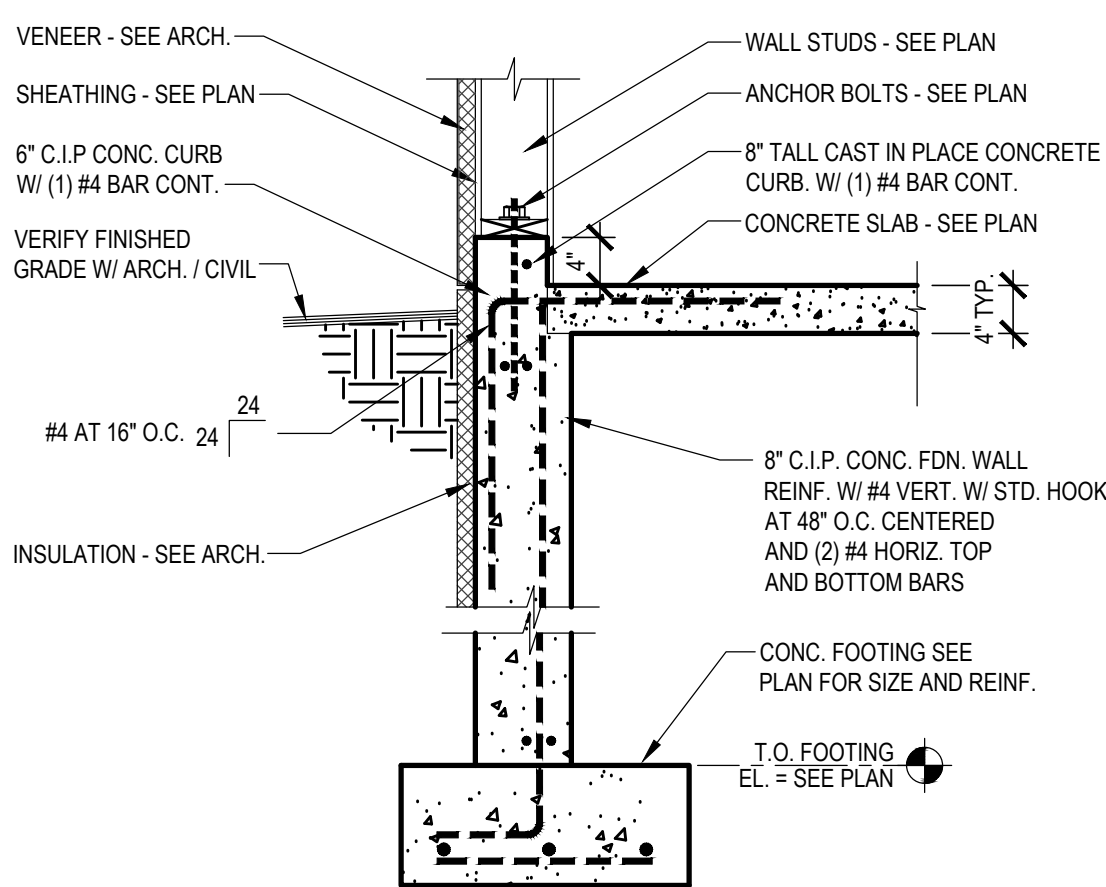
3 STEP FOOTING
S300



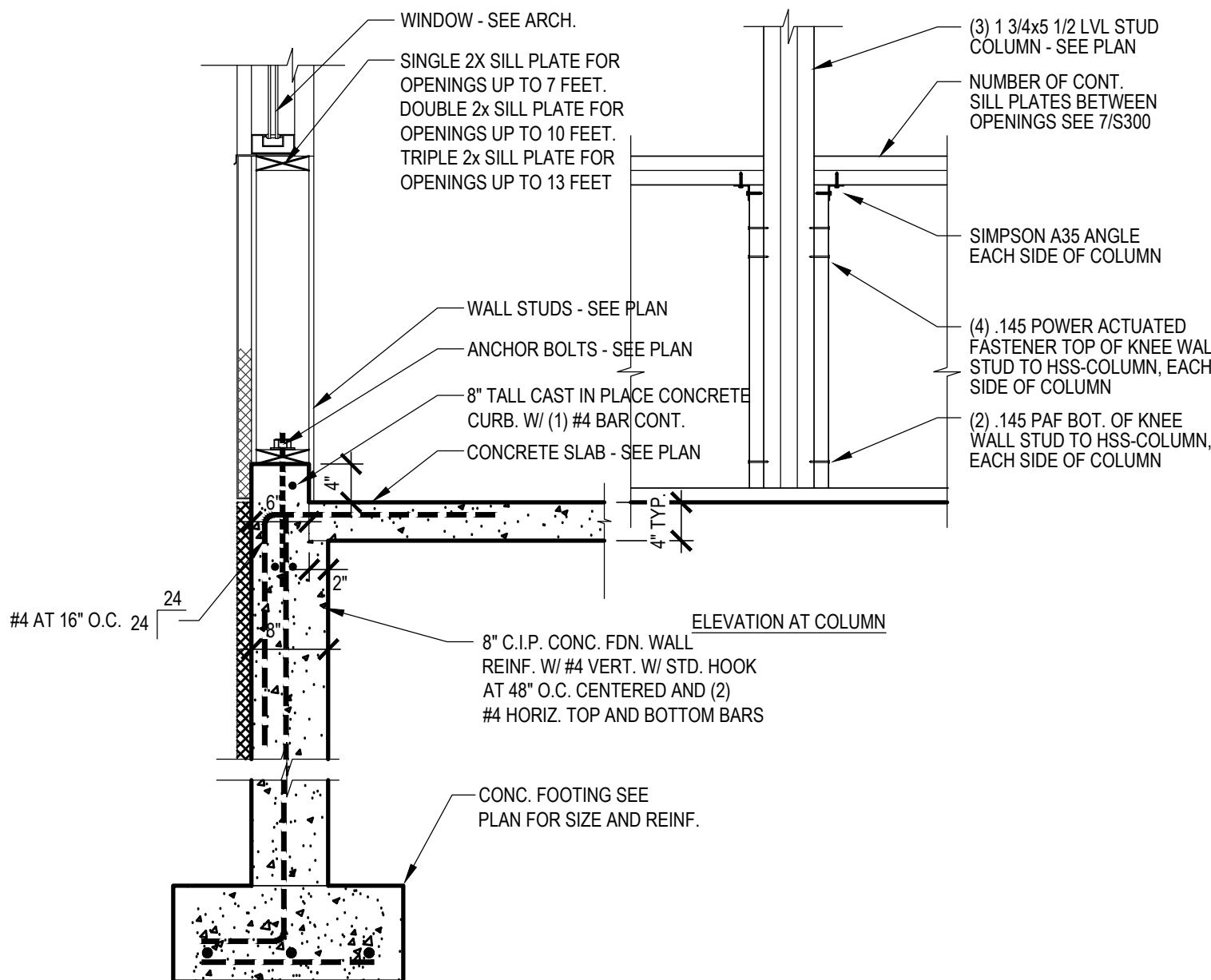
4 FOUNDATION AT UTILITY
S300



5 STOOP SECTION
S300

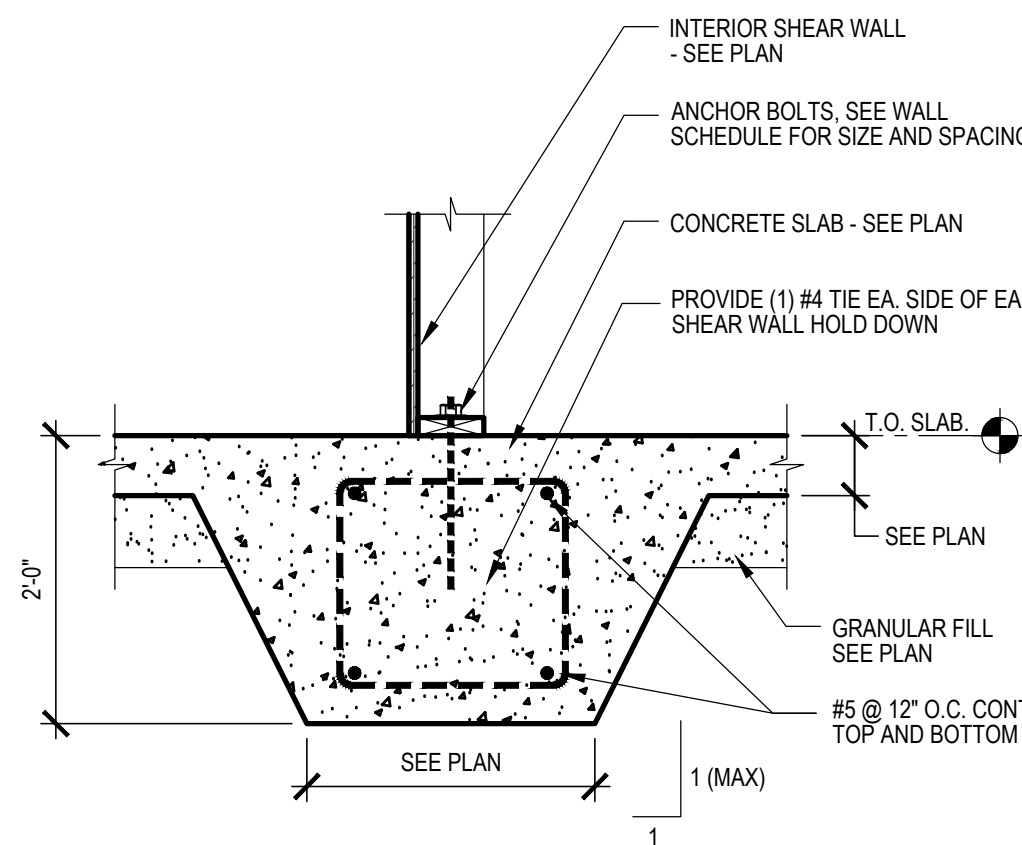


6 TYP. FOUNDATION SECTION
S300

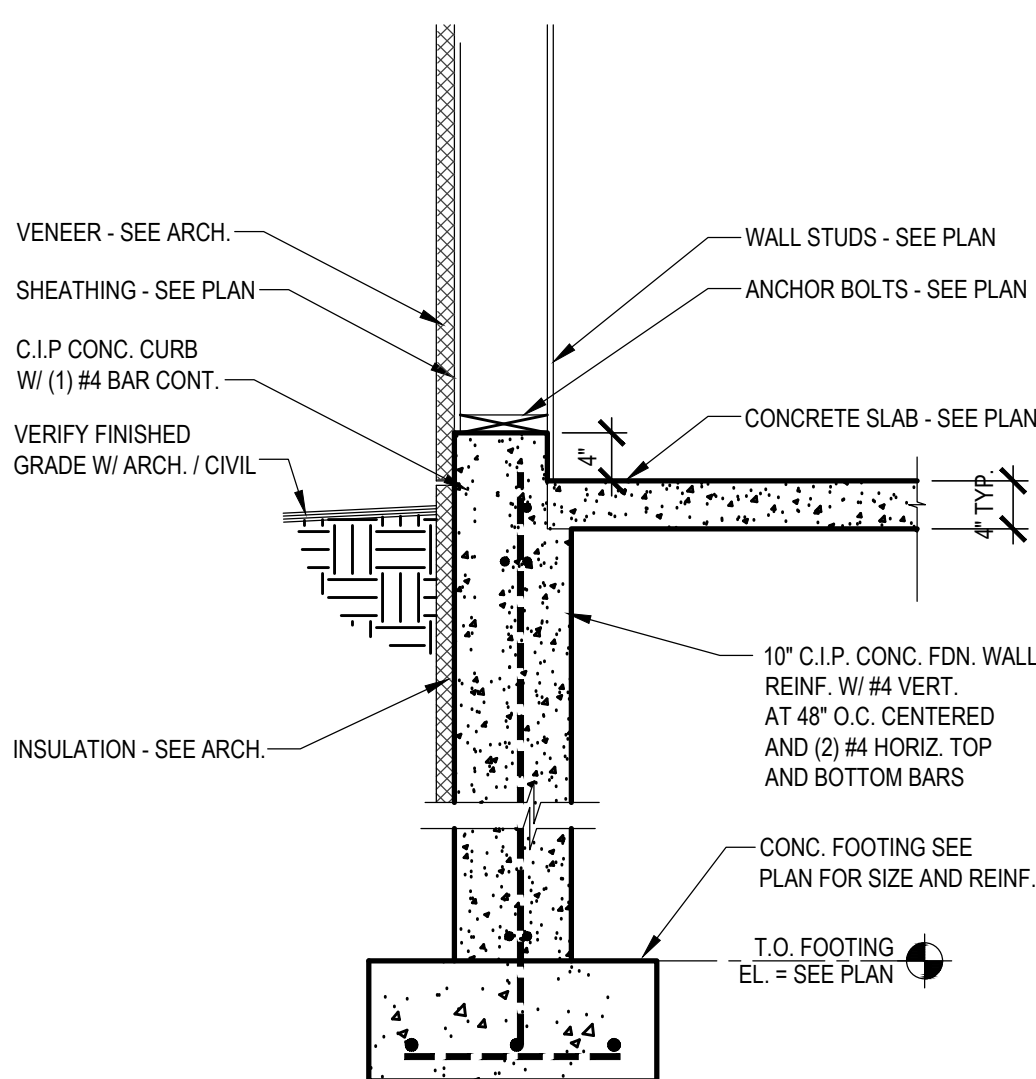


SECTION THRU WINDOW WHERE SILL IS CONT. BETWEEN EDGES OF OPENING

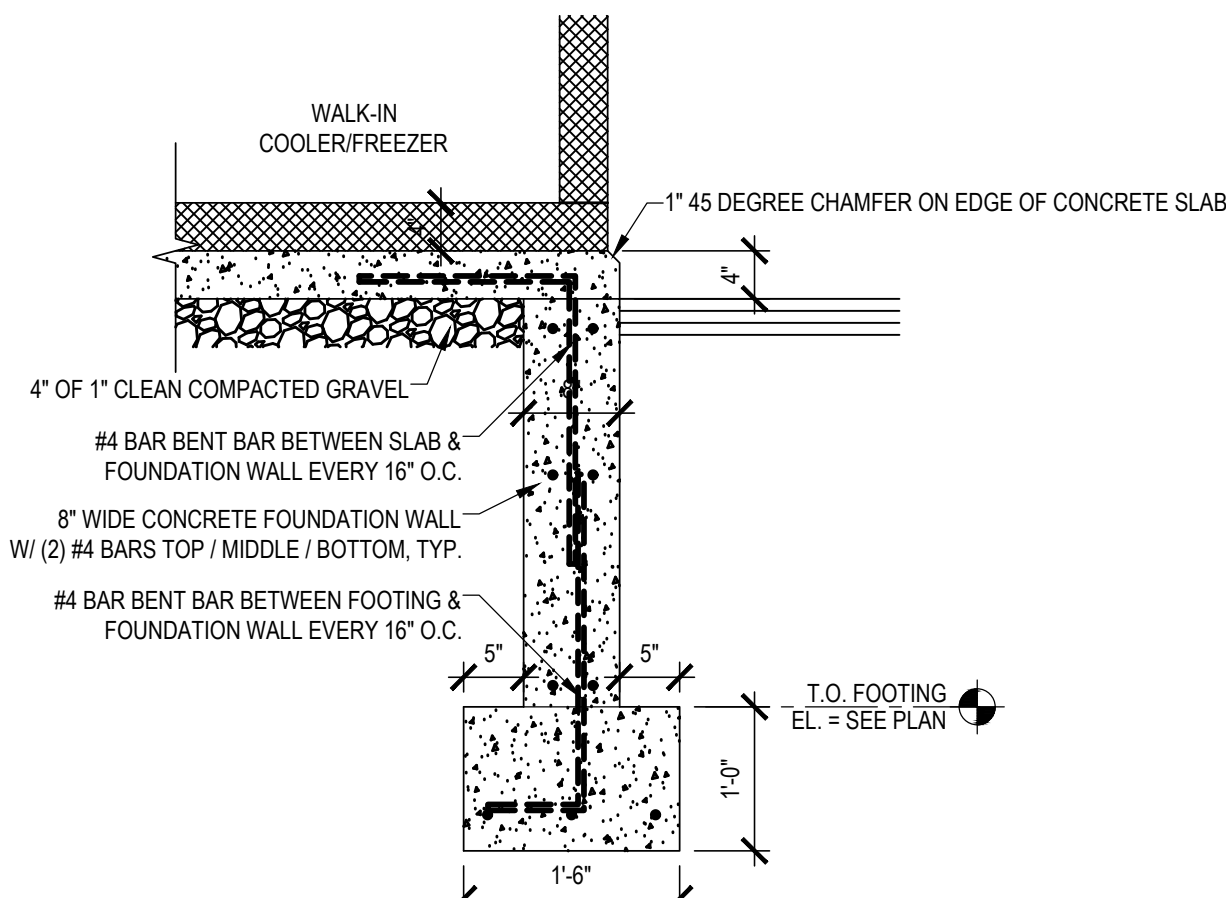
7 FOUNDATION SECTION AT WINDOW
S300



8 SHEARWALL THICKENED SLAB
S300

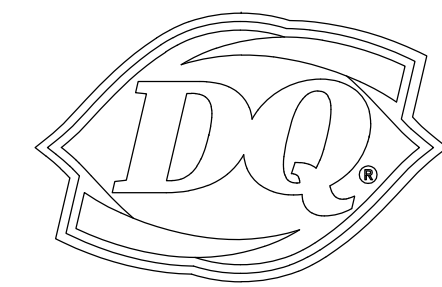


8 FOUNDATION SECTION
S300



9 SECTION AT WALK IN BOX FOUNDATION
S300

NEW BUILDING FOR:



GRILL & CHILL

250 SOUTH STUART AVENUE
ELKTON, VA 22827

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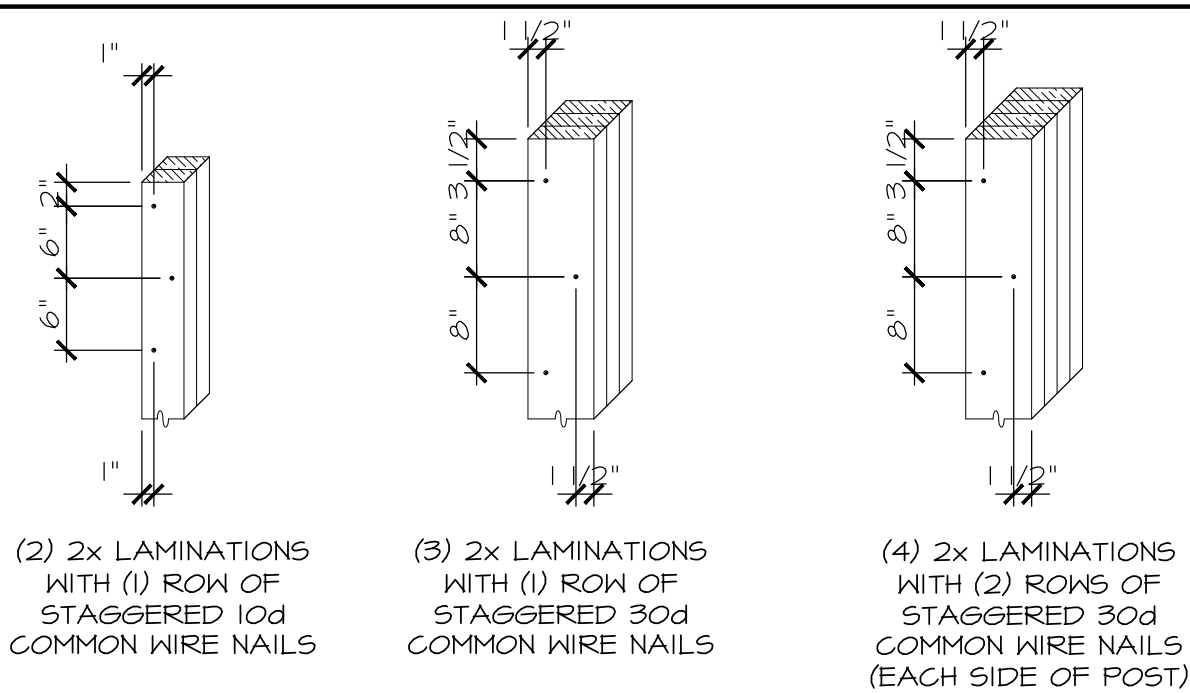
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04/24/26 REVISION 1

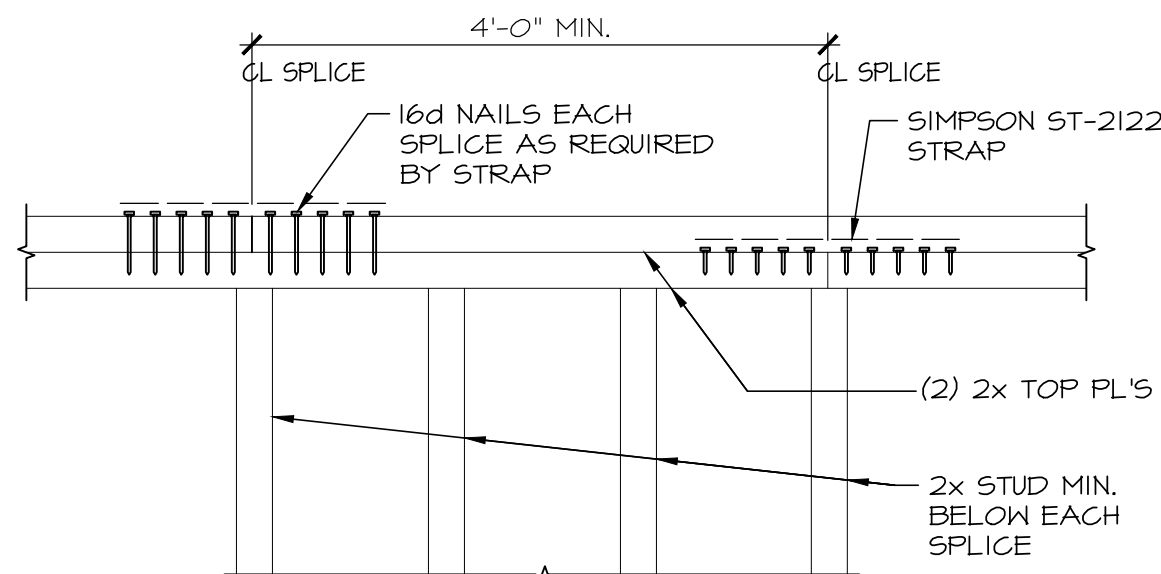
DETAILS

SHEET NUMBER:

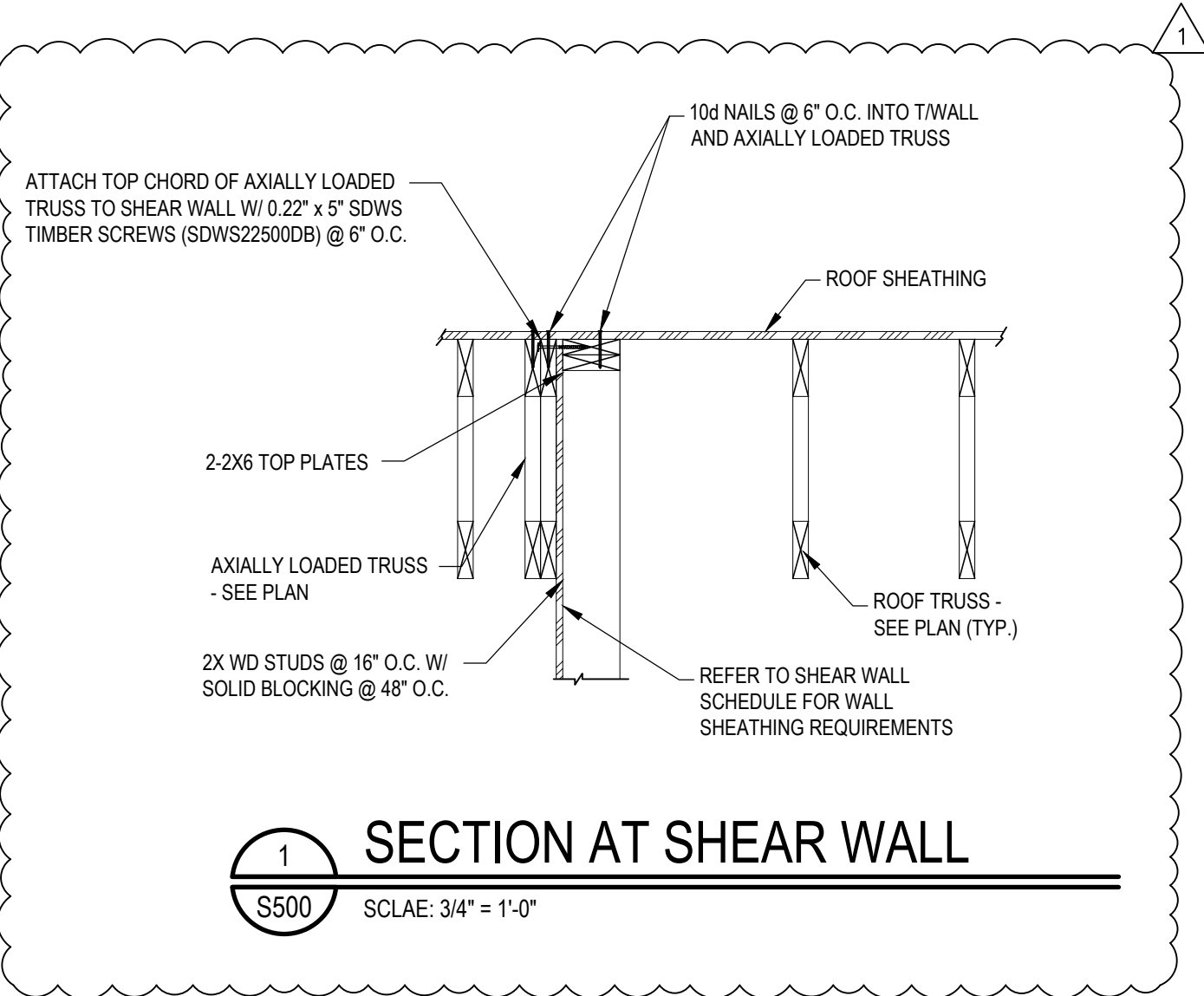
S300



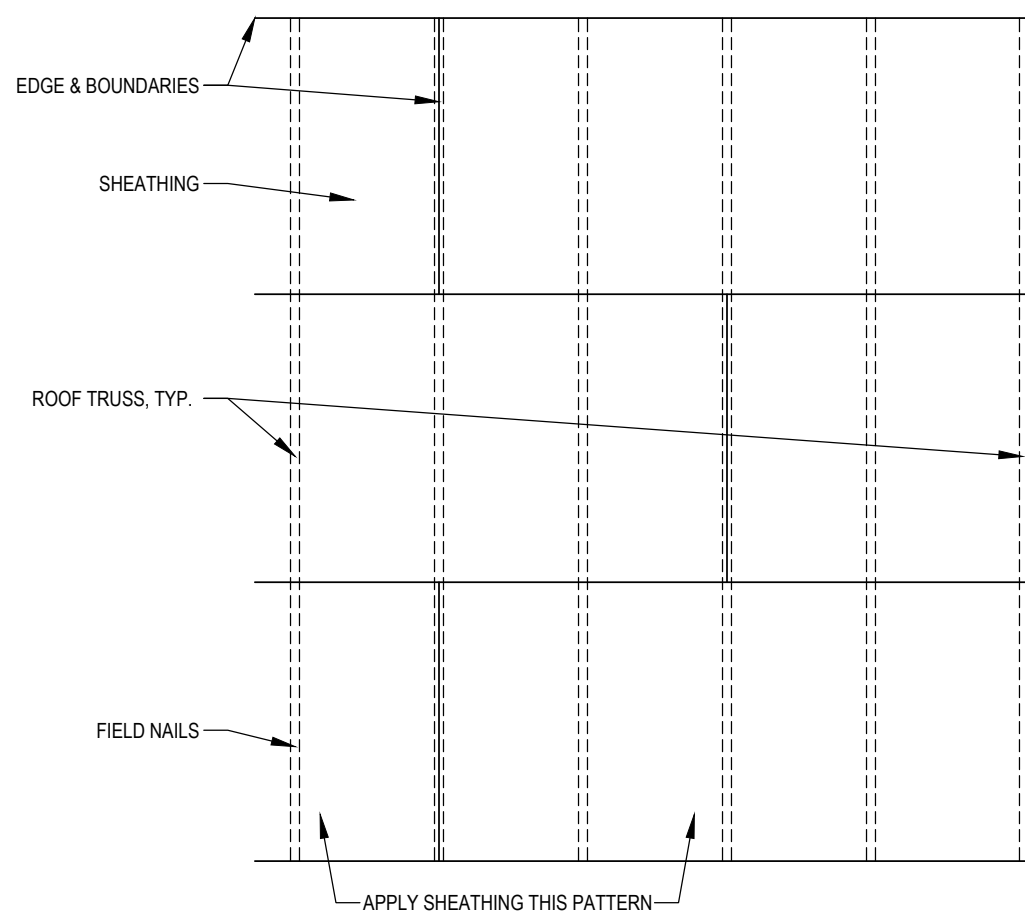
A DETAIL
S400 SCALE: 1/2" = 1'-0"



B TOP PLATE SPLICE DETAIL
S400 SCALE: 3/4" = 1'-0"

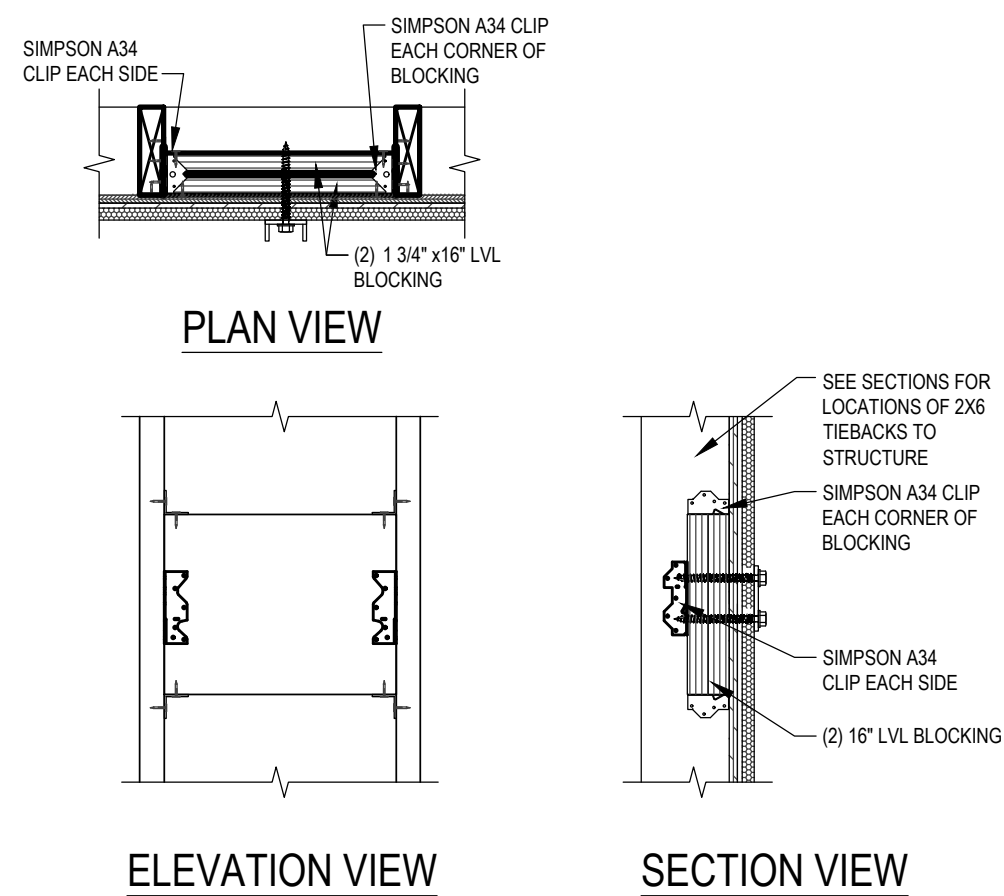


1 SECTION AT SHEAR WALL
S500 SCALE: 3/4" = 1'-0"

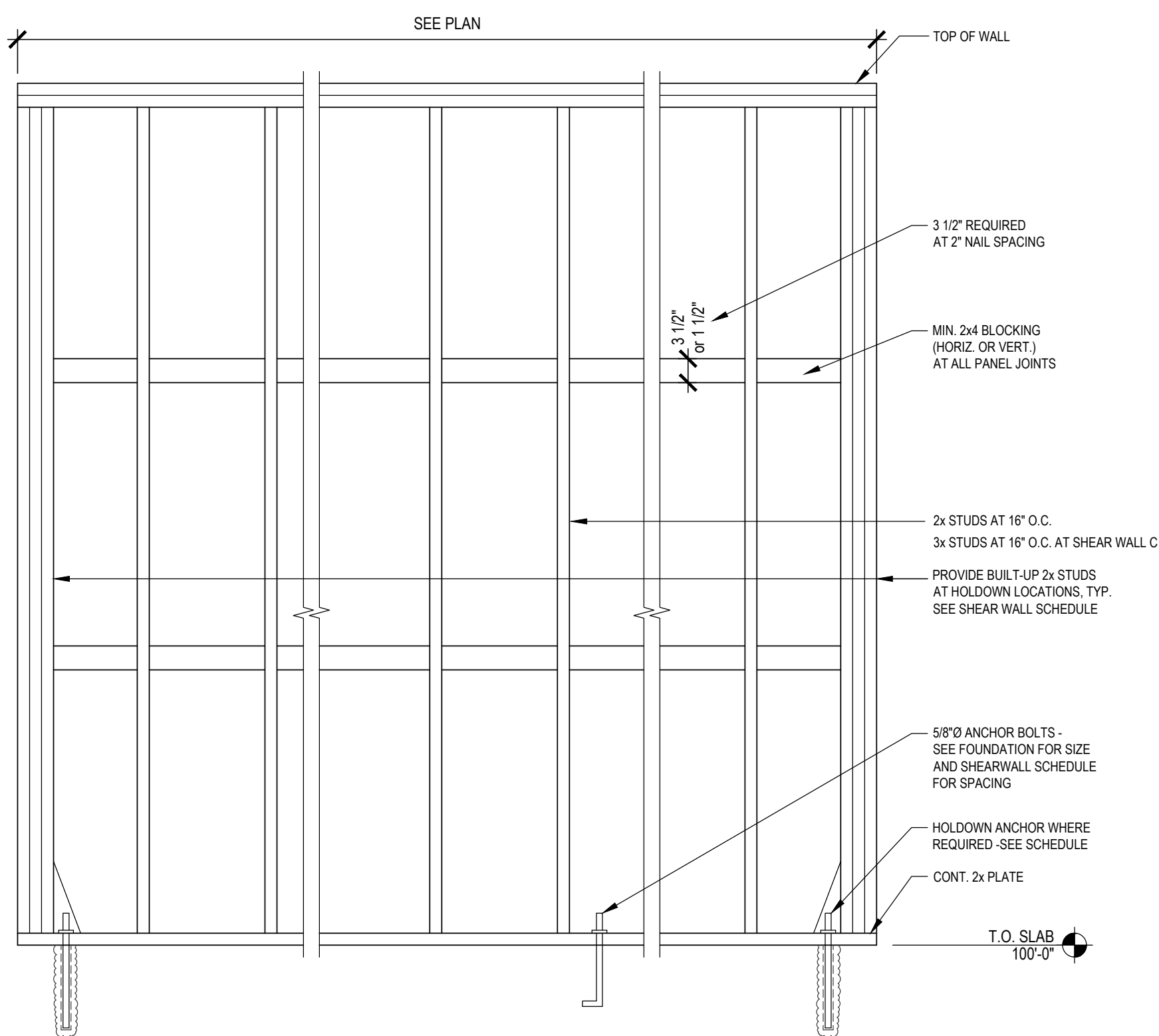


ROOF DIAPHRAM NOTES:
1. SEE PLAN AND STRUCTURAL NOTES FOR SHEATHING THICKNESS
2. NAIL EDGE AND BOUNDARY WALLS W/ 148 x 3" NAILS @ 6" O.C.
3. NAIL FIELD W/ 148 x 3" NAILS @ 12" O.C.
NAILS SHALL BE DRIVEN PLUSH BUT SHALL NOT PENETRATE THE SURFACE OF SHEATHING

3 ROOF CONSTRUCTION
S400



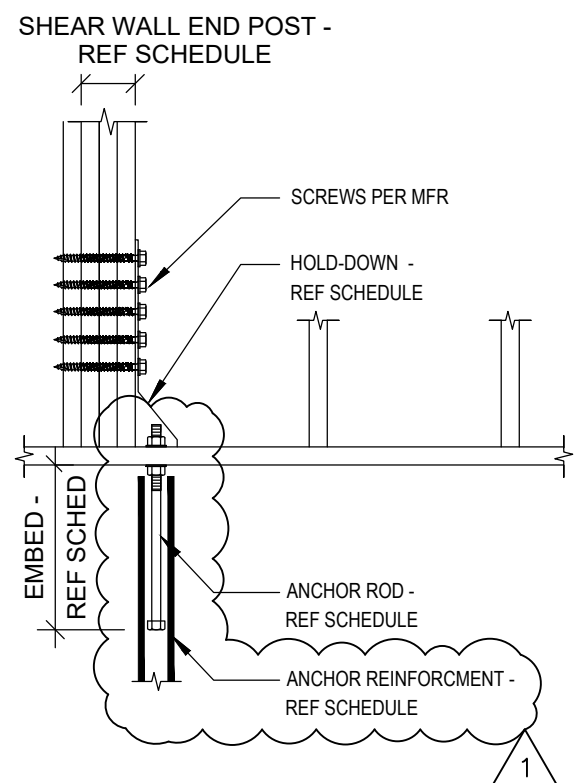
4 BLOCKING AT EYEBROW DETAIL
S400



5 SHEARWALL SCHEDULE AND DETAIL
S400

SHEARWALL SCHEDULE								
MARK	APA RATED SHEATHING	SHEATHING NAIL SIZE	SHEATHING NAIL** SPACING AT PANEL EDGES	SHEATHING NAIL** SPACING AT INTERMEDIATE SUPPORTS	END POST	HOLDDOWN*** ANCHORS	SILL ANCHOR SPACING	REMARKS
A	(1) 15/32	0.131 x 2 1/2"	6"	12"	(2) 2x	(1) SIMPSON HDUE3-SDS3 5/8" Ø EPOXY ANCHOR (7 1/2" EMBED) ****	48"	
B	WSWH18x12 SIMPSON STRONG-WALL	SEE SHEET S600 FOR SIMPSON STRONG-WALL SECTIONS AND DETAILS						
C	(1) 15/32 STRUCTURAL I	148 x 3" STAGGER EA SIDE	2" ***	12"	(4) 2x	(1) SIMPSON HDUE17-SDS4.5 1" Ø EPOXY ANCHOR 16" EMBED). UNO *****	16"	

NOTES:
1. SHEATHING PANELS MAY BE LAID UP HORIZONTALLY OR VERTICALLY. NO VERTICAL PANEL EDGES ON VERTICAL CHORDS (HOLDDOWN LOCATION).
2. WIND LOADS GOVERN OVER SEISMIC LOADS.
3. SCREW HOLDDOWN ANCHORS TO VERTICAL MEMBER W/ ALL MFR'S. SUPPLIED SCREWS/BOLTS.
* IF SILL PLATE OR TOP PLATES ARE NOT CONTINUOUS, CONTACT THE ENGINEER OF RECORD FOR SOLUTION.
** NAIL SHEATHING TO ROOF DIAPHRAGM CHORD & TO EACH MEMBER/WALL VERTICAL CHORD W/ 0.131 x 2 1/2" NAILS @ 6" O.C., UNO.
*** AS MANUF. BY SIMPSON, USE HLT1 HT11200 EPOXY FOR THE INSTALLATION OF THREADED ROD ANCHORS.
AT WALLS WITH 1" OC EDGE NAIL SPACING, PROVIDE 3x STUDS AT PANEL EDGE OR (2)x STUDS LAMINATED TOGETHER PER AIS400, PANELS ARE TO BE LAID HORIZONTALLY WITH VERTICAL PANEL EDGES STAGGERED.
**** PROVIDE (2) #4 ANCHOR REINFORCEMENT ON EACH SIDE OF THE ANCHOR BOLT. DEVELOP INTO FOUNDATION.
***** PROVIDE (2) #6 W/ STD HOOK EA. END ANCHOR REINFORCEMENT ON EACH SIDE OF THE ANCHOR BOLT FOR SHEAR WALL C. DEVELOP INTO FOUNDATION.



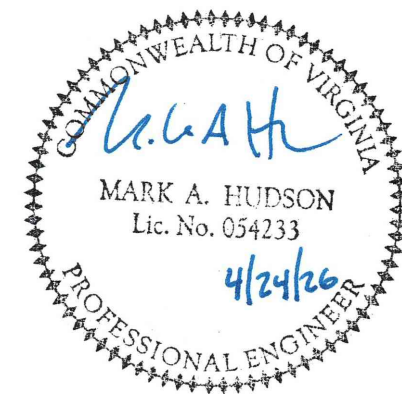
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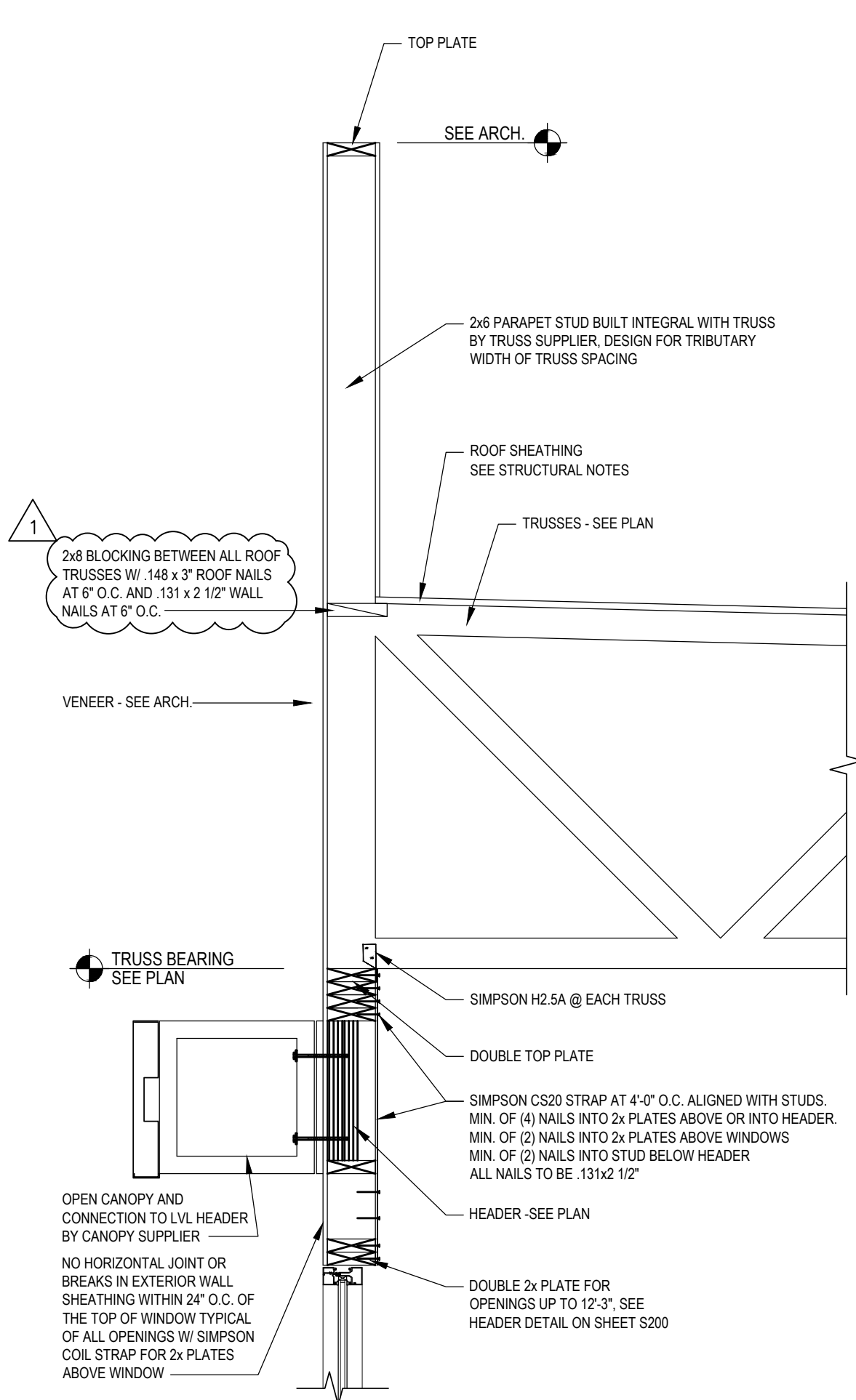
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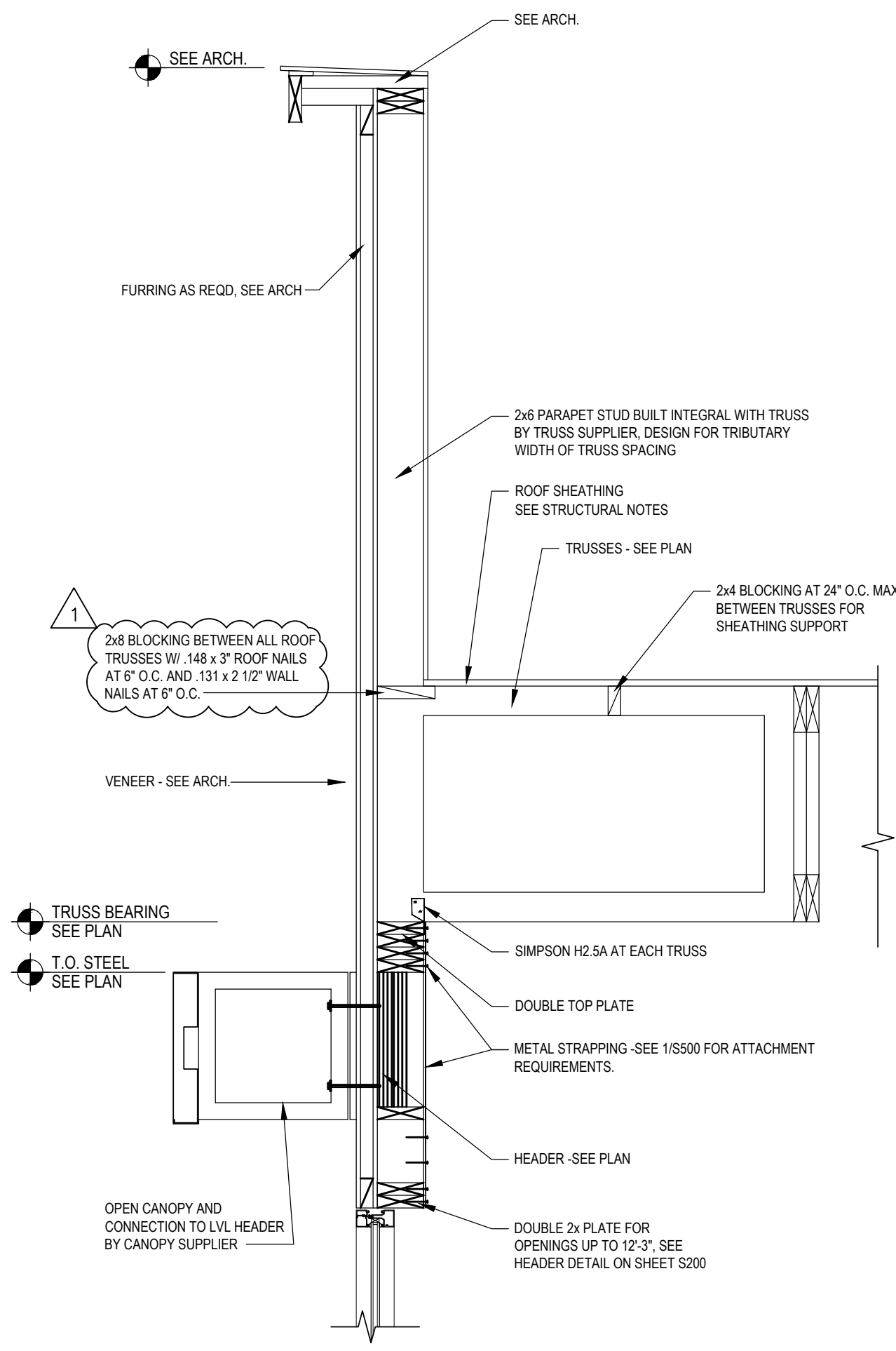
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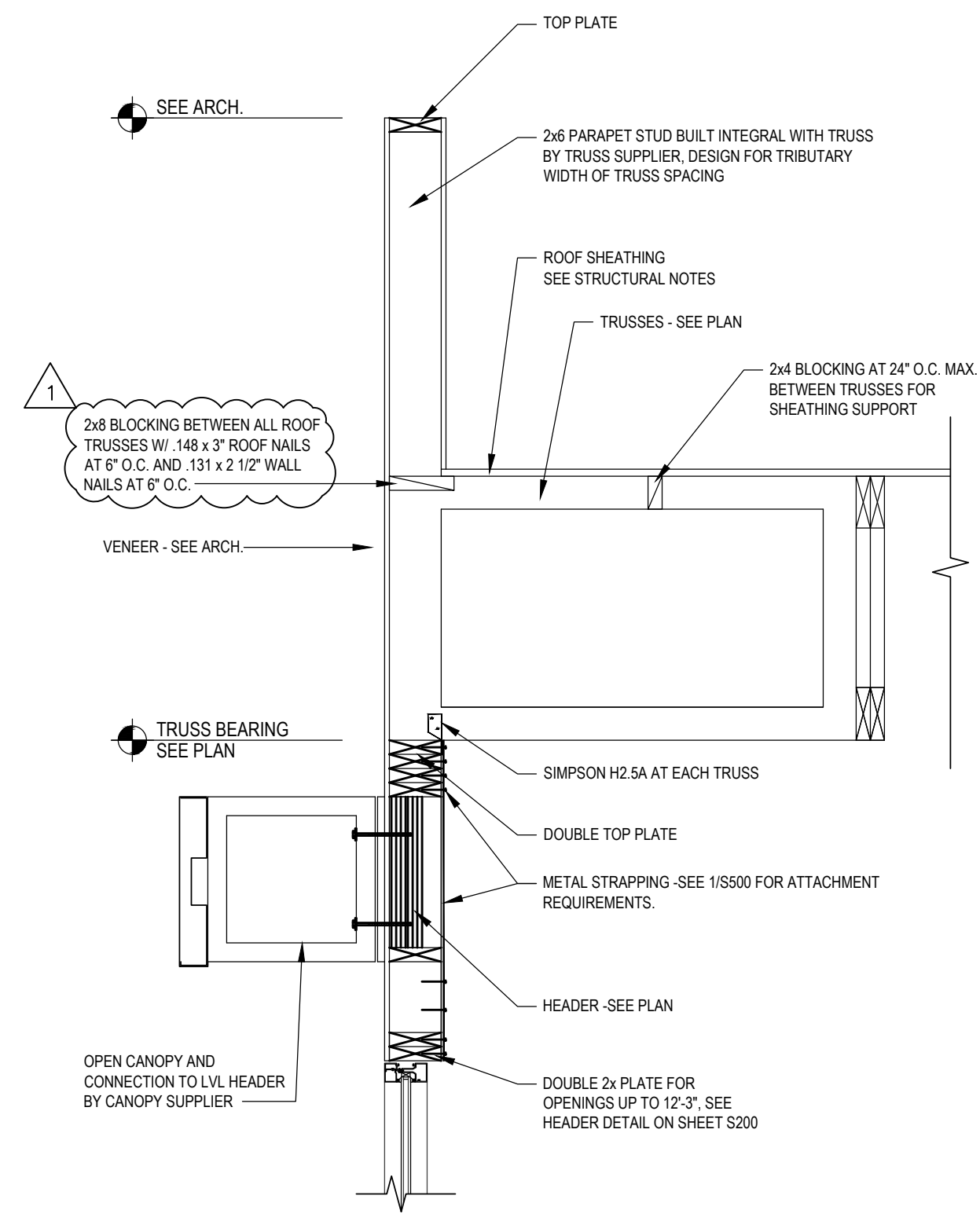
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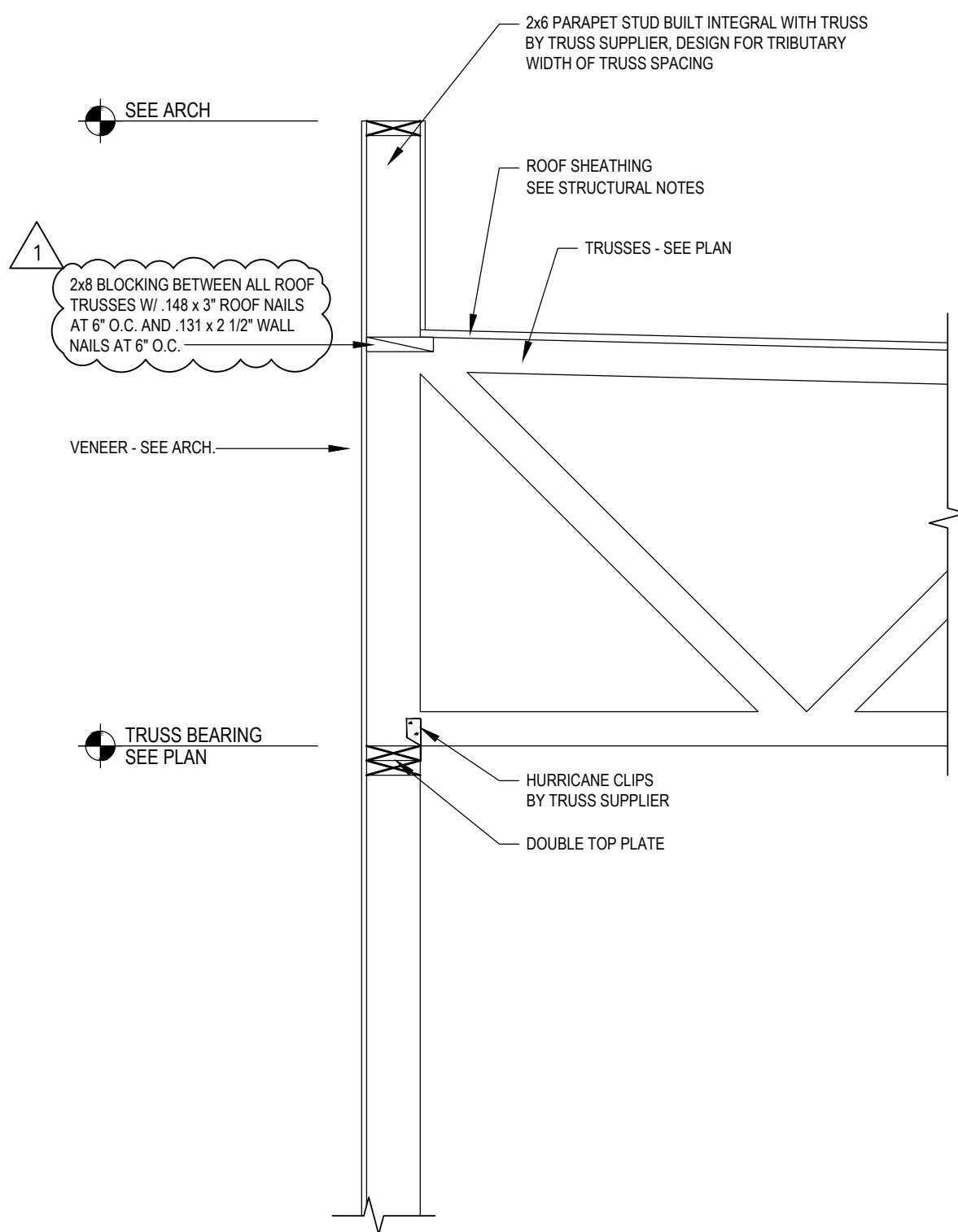
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S500



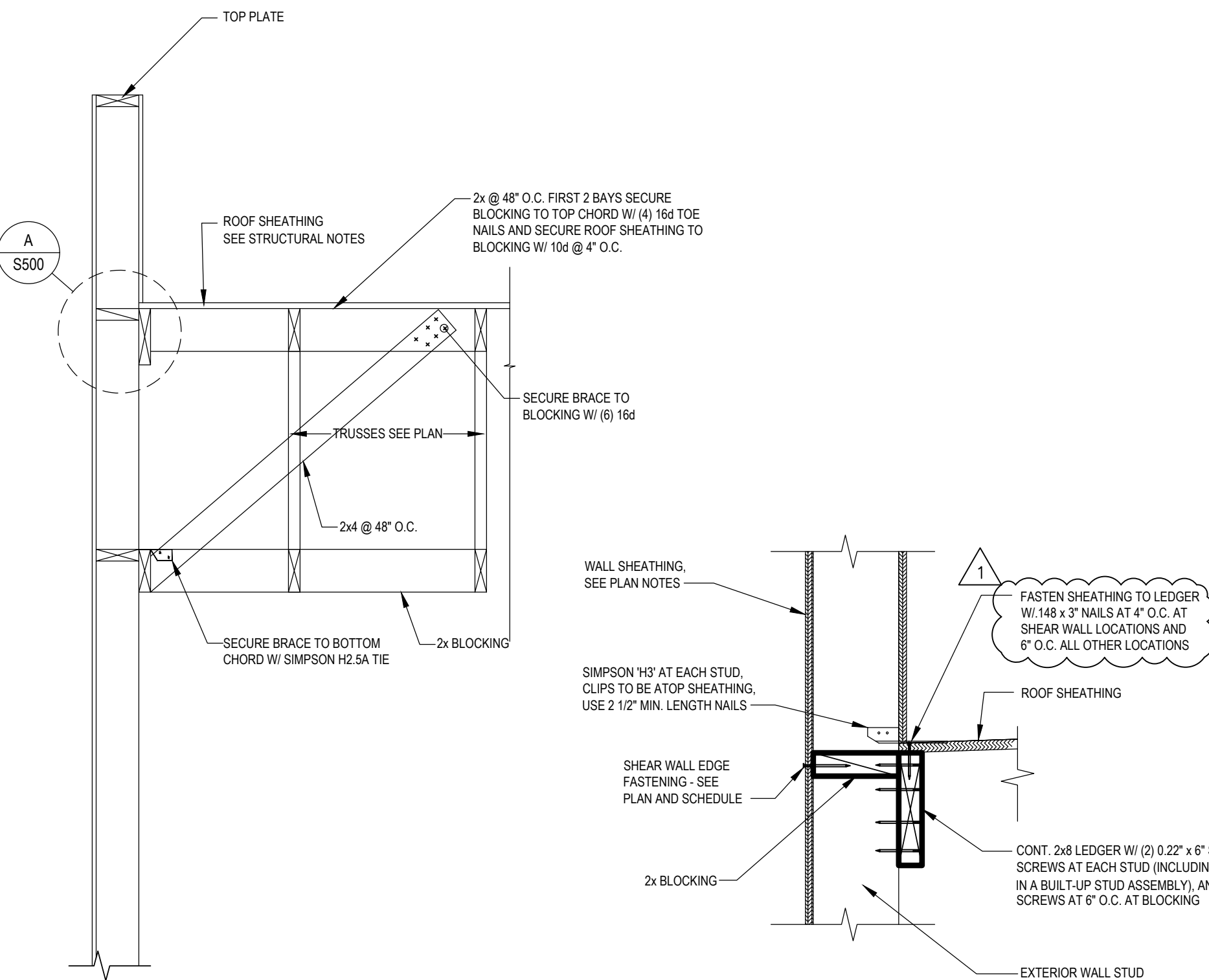
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S500



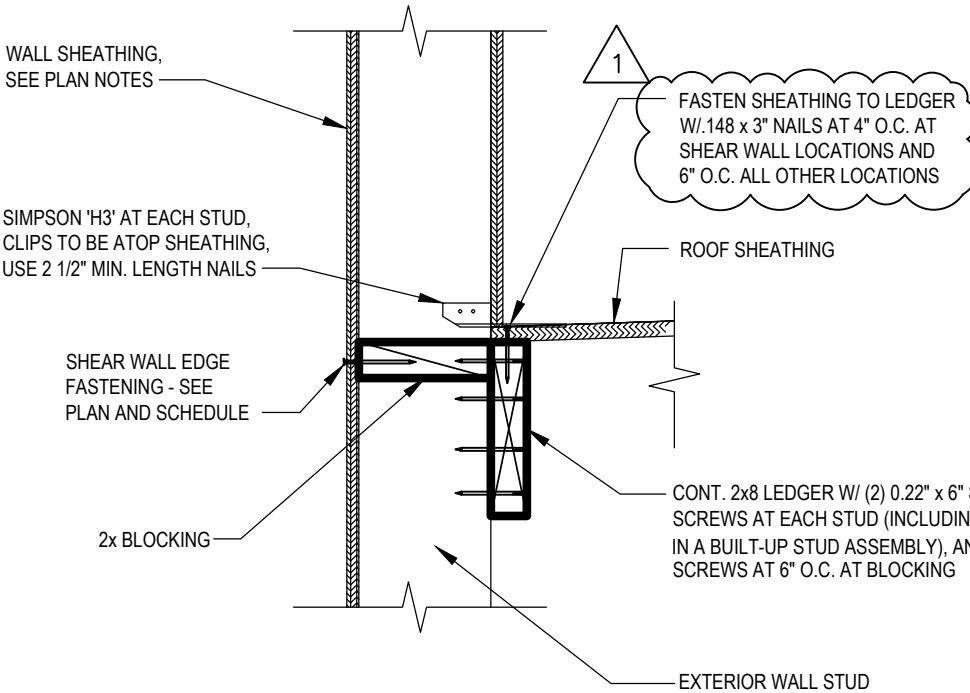
3 FRAMING DETAIL
S500



4 FRAMING DETAIL
S500



5 FRAMING DETAIL
S500



A FRAMING DETAIL
S500

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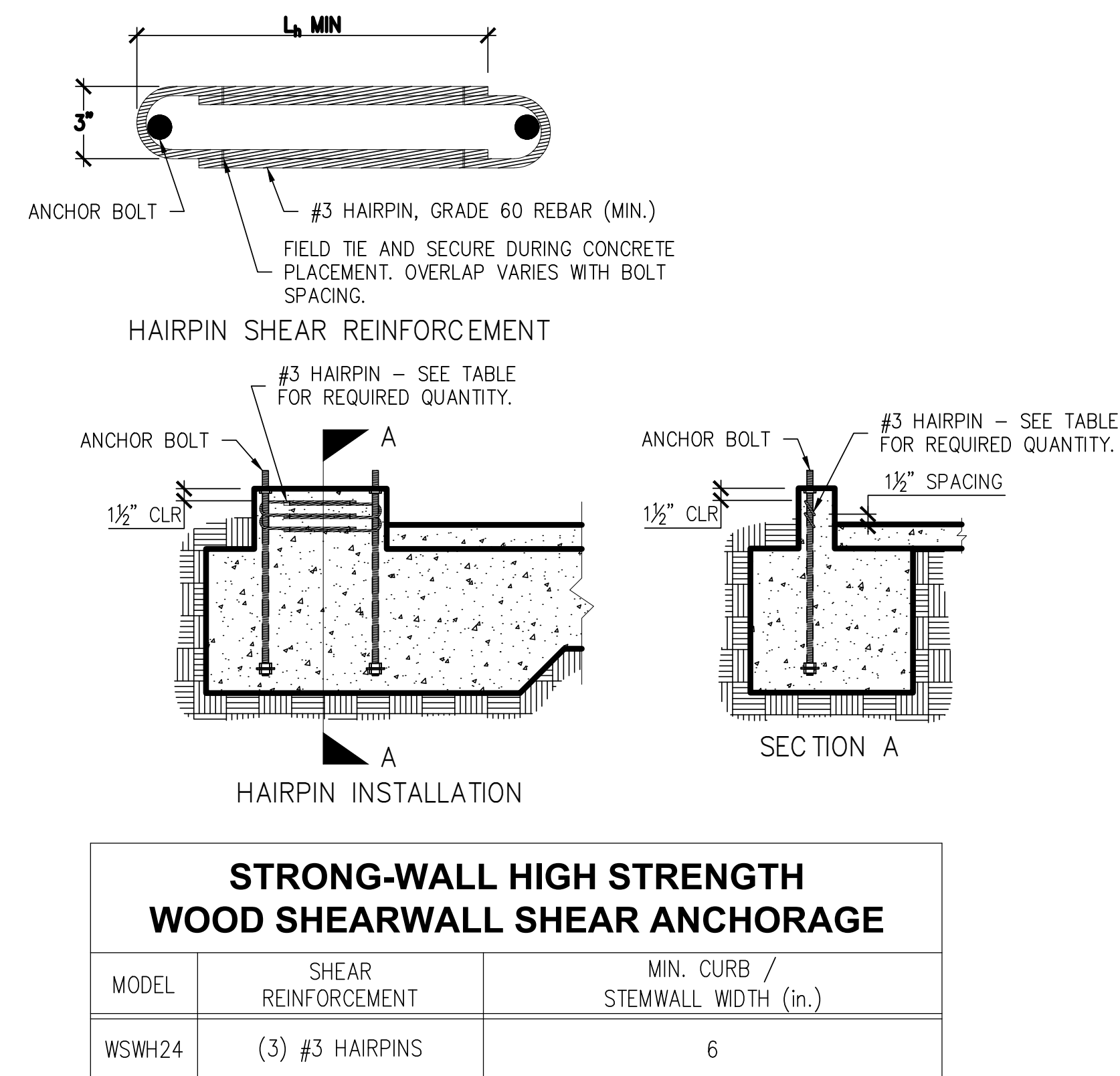
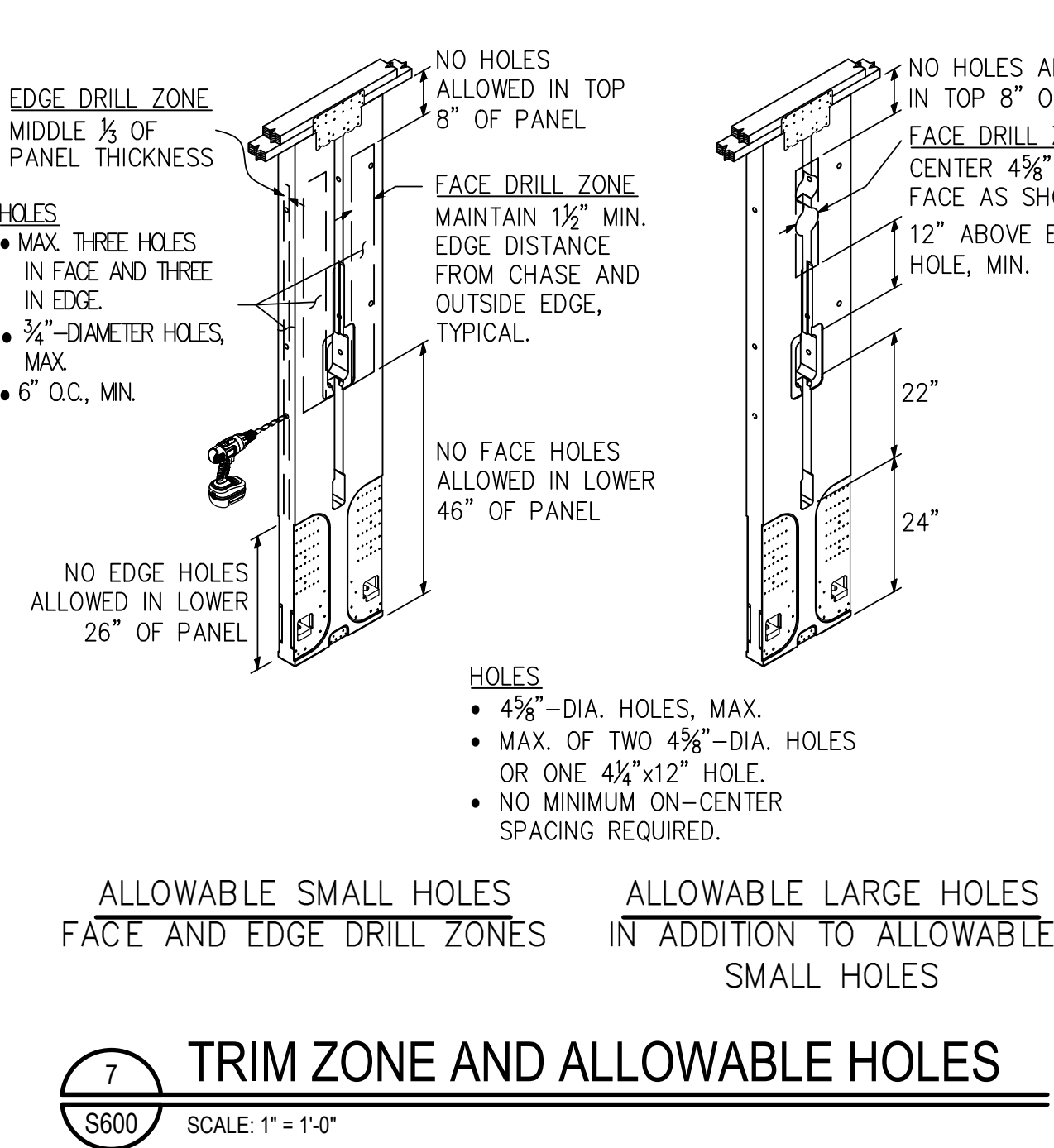
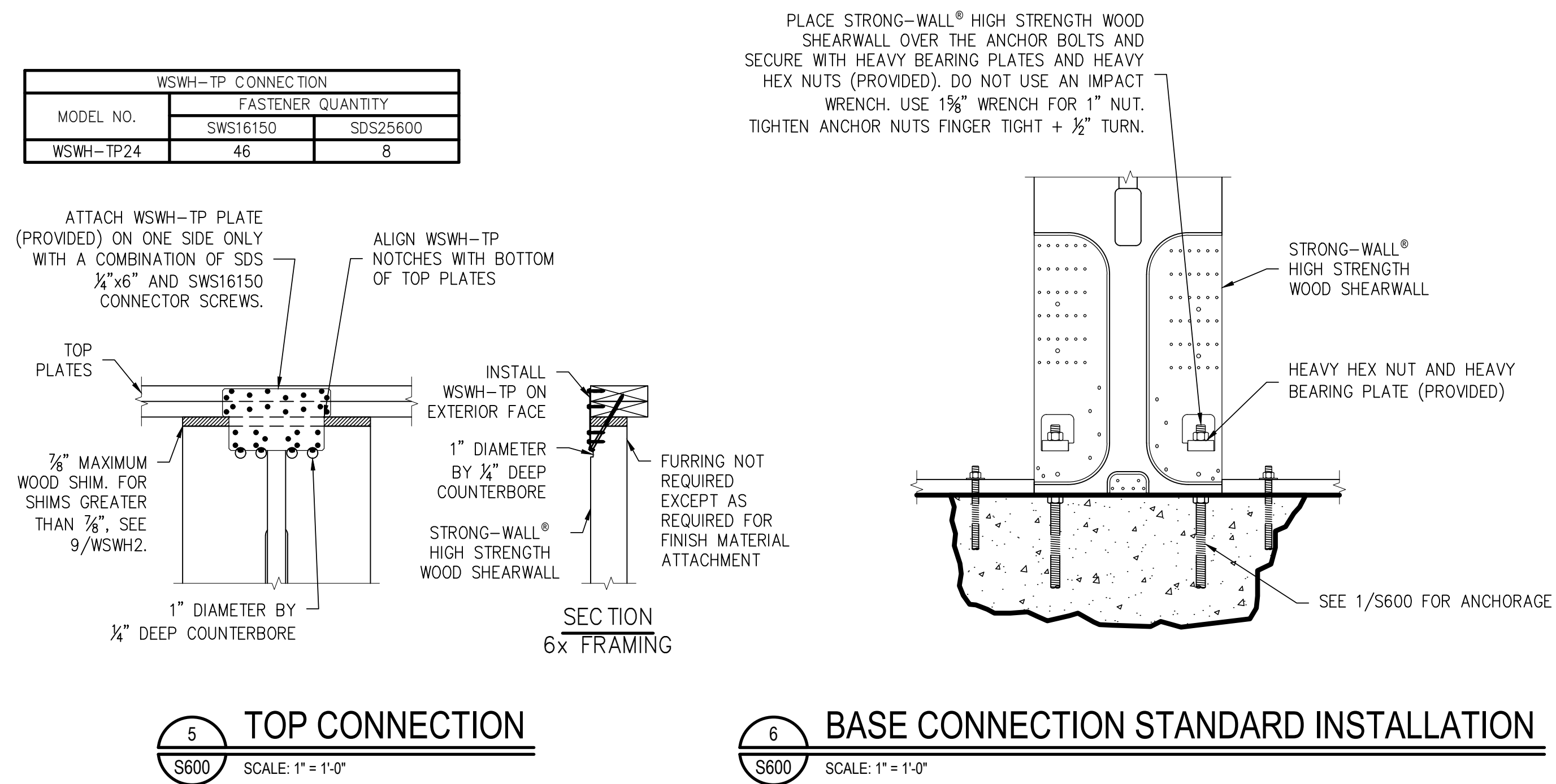
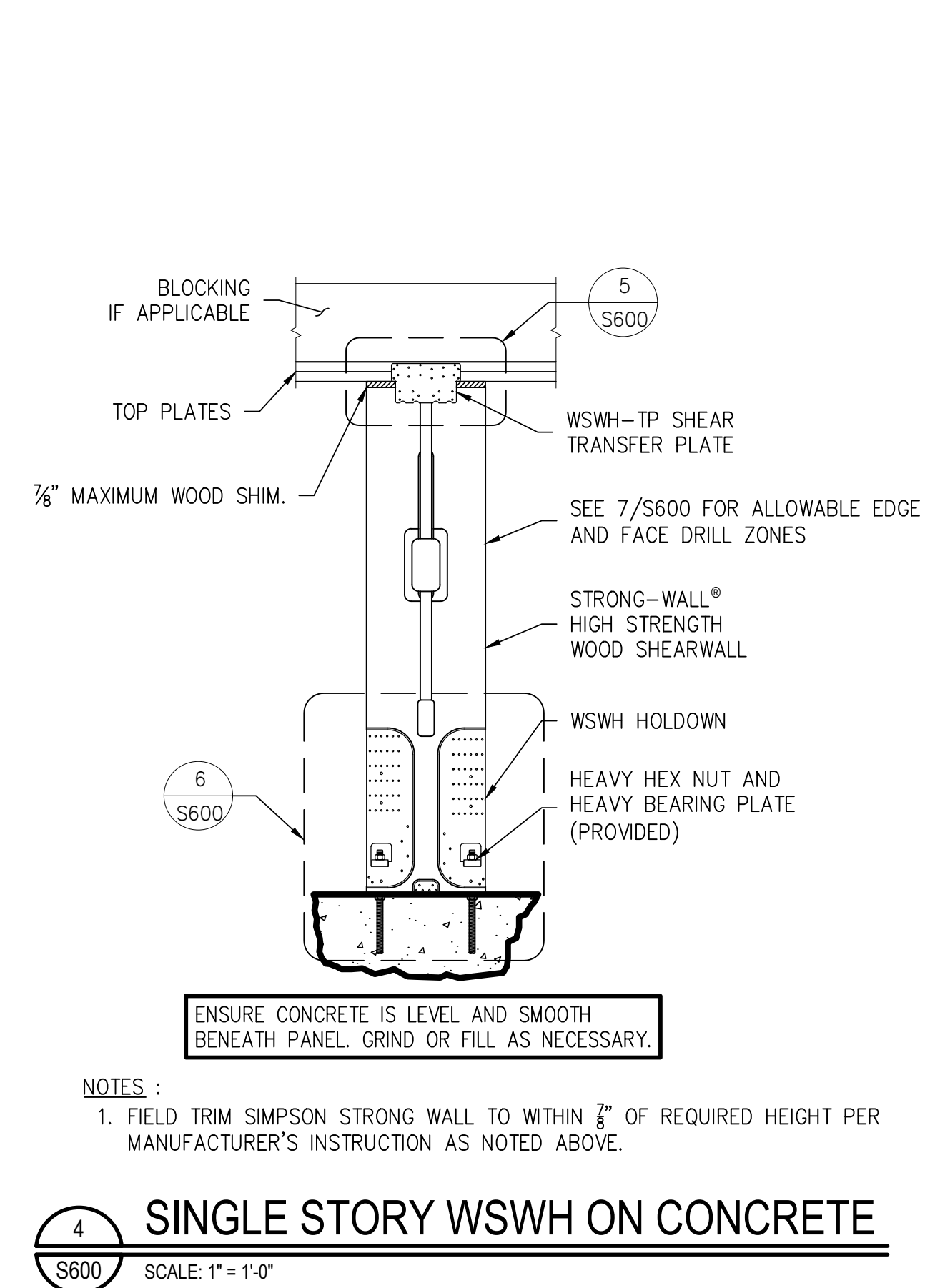
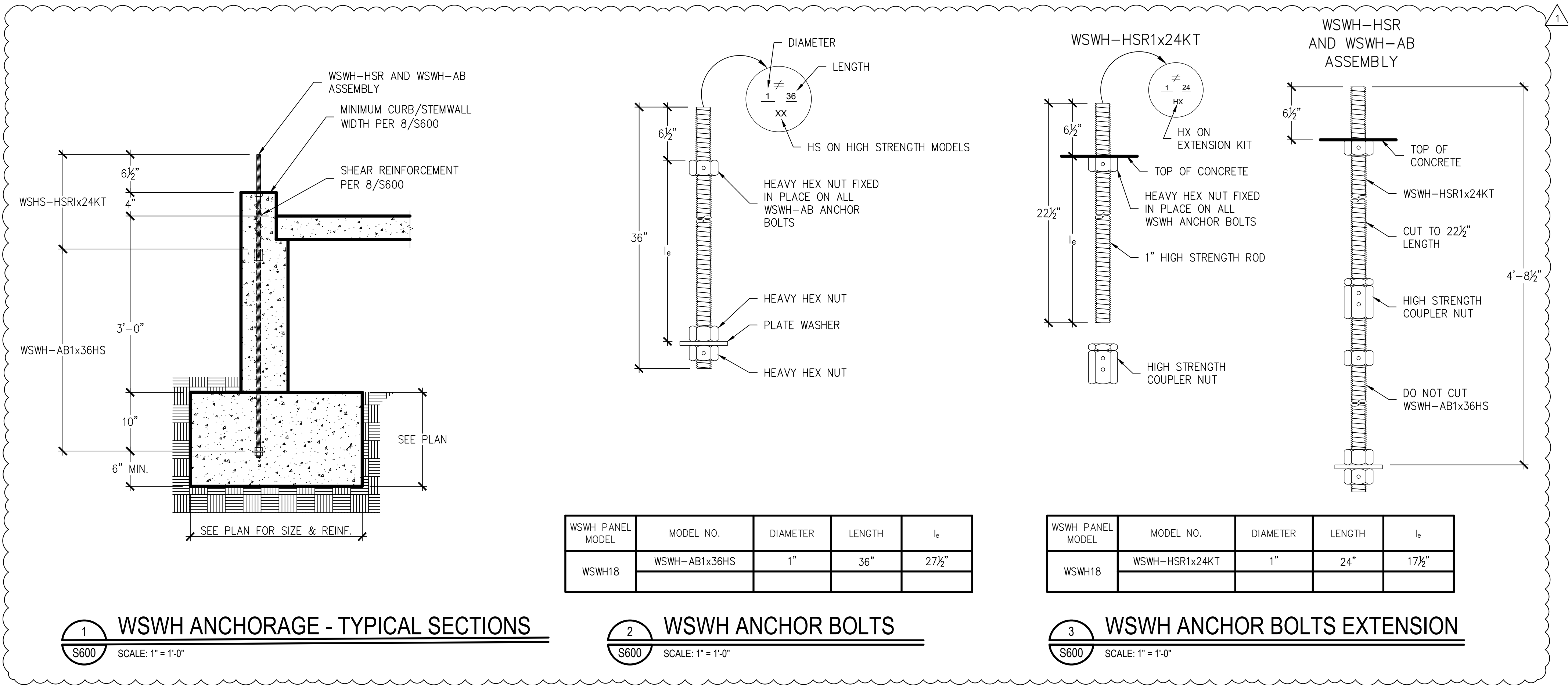
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S500



- NOTES :
- SHEAR ANCHORAGE DESIGNS CONFORM TO ACI 318-19, ACI 318-11 AND ACI 318-14 AND ASSUME MINIMUM 2,500 PSI CONCRETE.
 - CONCRETE EDGE DISTANCE FOR ANCHORS MUST COMPLY WITH ACI 318-19 SECTION 17.9.2, ACI 318-14 SECTION 17.7.2 AND ACI 318-11 SECTION D.8.2.
 - SECTIONS ARE FOR INSTALLATION PURPOSES. SECTIONS DO NOT REFLECT SHAPE OR SIZE OF FOOTINGS. SEE PLAN AND S/300 FOR FOUNDATION DETAILS AND SIZES.



NEW BUILDING FOR:

GRILL & CHILL

250 SOUTH STUART AVENUE
ELKTON, VA 22827

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LICENSE NUMBER 0401017034

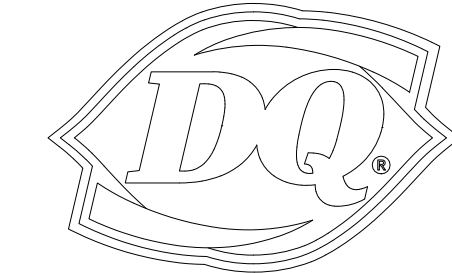
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T 636.349.1600
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CERTIFICATE OF AUTHORITY NO. 407007501



04/23/26

VIRGINIA ENGINEER LICENSE NUMBER
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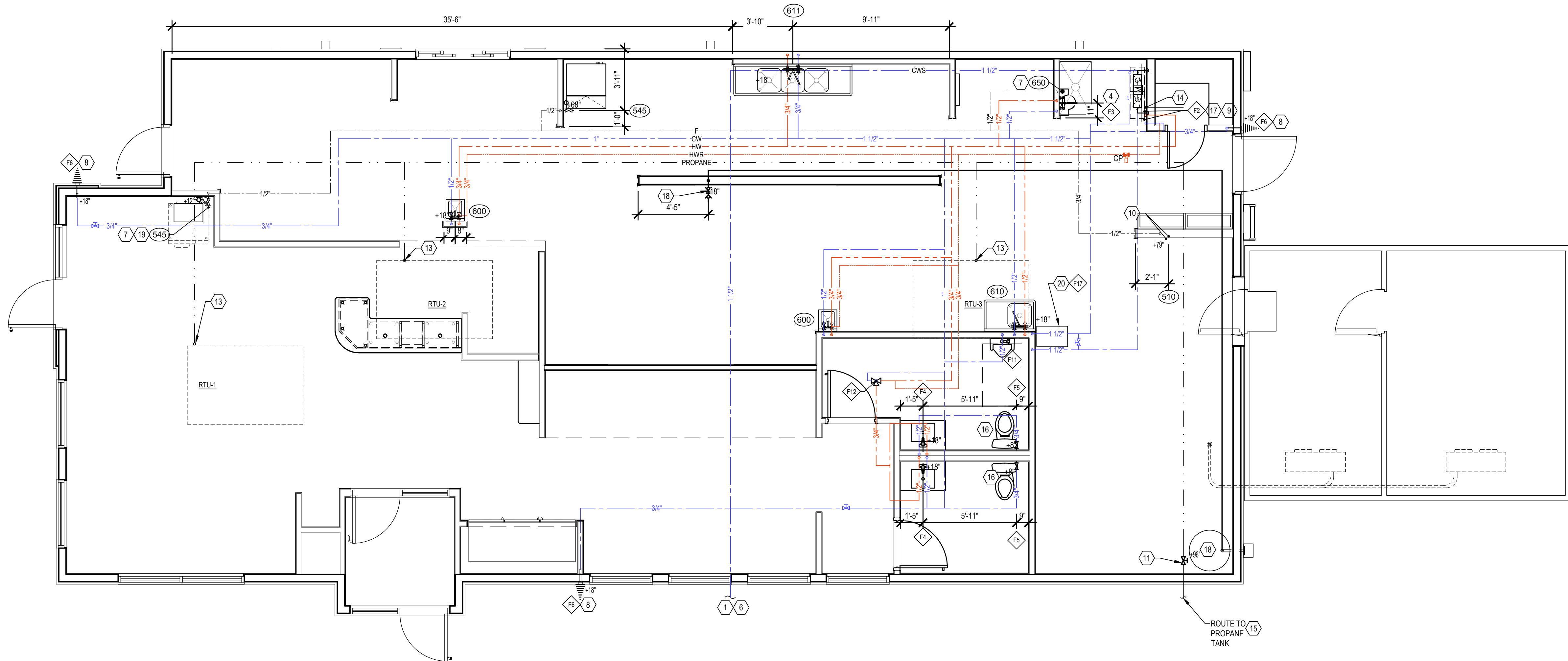
ORIGINAL ISSUE



**PLUMBING
WATER SUPPLY
PLAN**

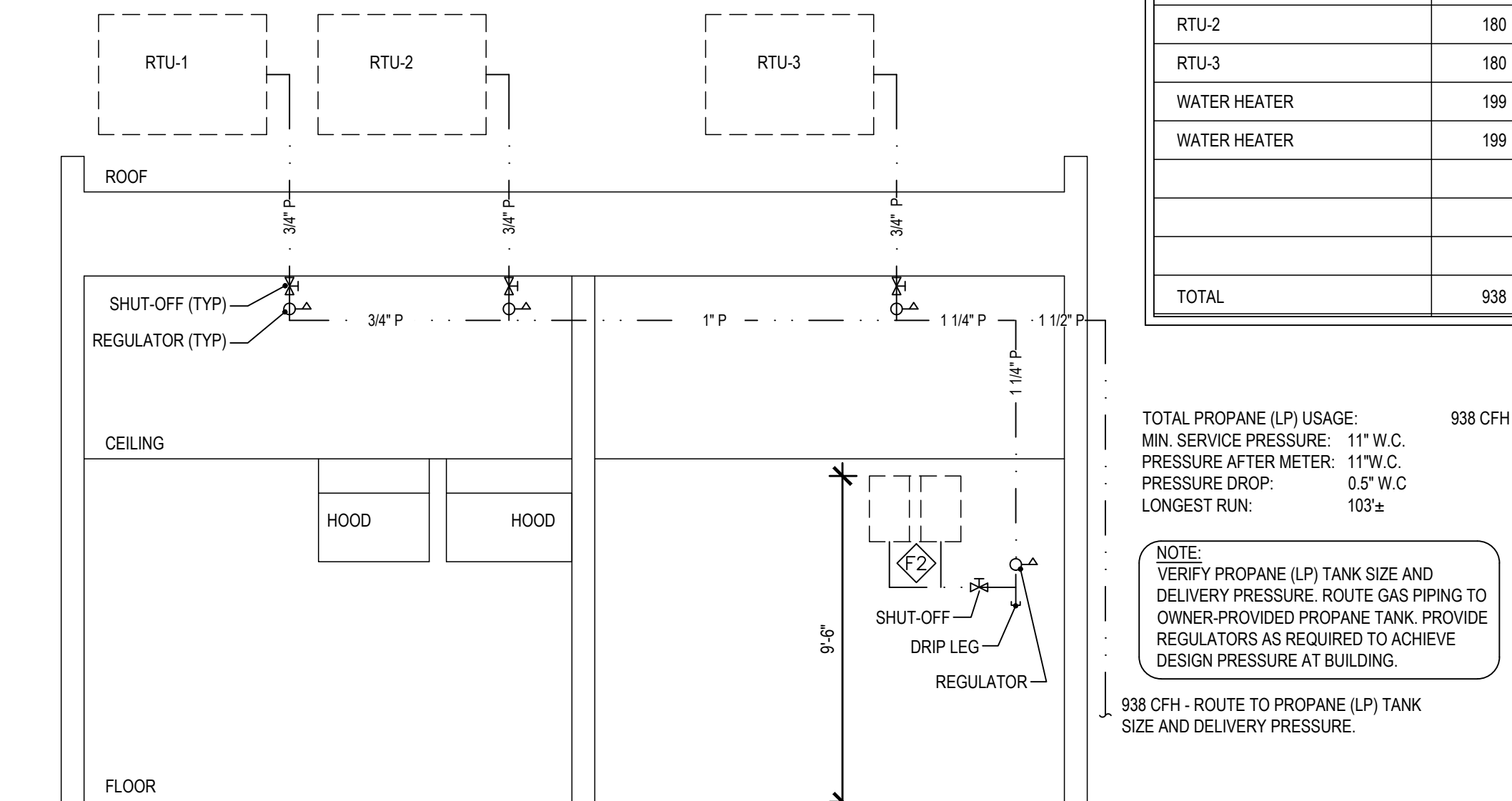
SHEET NUMBER:

P1



1 WATER, GAS, & PLUMBING SUPPLY PLAN

P1 SCALE: 1/4" = 1'-0"



2 PROPANE PIPING SCHEMATIC

P1

GENERAL NOTES

NOTE: THIS IS A PROTOTYPICAL SCHEDULE. ALL NOTES MAY NOT BE USED.

- REFER TO EQUIPMENT SCHEDULE FOR PLUMBING SPECIFICATIONS FOR EQUIPMENT PROVIDED BY OWNER AND/OR OTHERS.
- PROVIDE SHUT OFF VALVES AT ALL FIXTURES.
- CHEMICAL SANITIZER WITH HOT WATER (120°), IS ASSUMED FOR DISHWASHING IN STORE. LOCAL CODES SHOULD BE VERIFIED PRIOR TO CONSTRUCTION TO CONFIRM SPECIFIC REQUIREMENTS.
- PLUMBING CONTRACTOR TO VERIFY IN FIELD ALL EXISTING UTILITIES, DIMENSIONS AND CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
- DIMENSIONS GIVEN TO ROUGH-INS ARE CRITICAL FOR EQUIPMENT PLACEMENT.
- ALL DOMESTIC WATER PIPING INSULATED WITH 1" POLYETHYLENE THERMA-CELL INSULATION WITH ALL JOINTS AND SEAMS SEALED, OR EQUAL.
- REFRIGERATION SITE GLASS IS INCLUDED WITH ALL REFRIGERATION EQUIPMENT FURNISHED BY OWNER AND/OR OTHERS.
- CONTRACTOR MAY UTILIZE LISTED CSST PIPING APPROVED FOR PROPANE (LP) GAS SYSTEMS, INCLUDING "TRACPIPE" BY MEGAFLEX, WHERE PERMITTED BY LOCAL AUTHORITY HAVING JURISDICTION. INSTALLATION SHALL COMPLY WITH NFPA 54 AND NFPA 58, INCLUDING REQUIRED BONDING, ROUTING LIMITATIONS, AND PROTECTION AGAINST PHYSICAL DAMAGE.
- WATER PIPING CONTRACTOR MAY USE FLEXIBLE AND CONTINUOUS PIPING (ADJUST PIPE SIZES AS REQUIRED). ZURN "PEX" #C-D3-NSF-PW-CL-1D-ASTM, IF ALLOWED BY PREVAILING CODES.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL CONDENSATE DRAINS.
- PLUMBING CONTRACTOR TO PROVIDE INDIRECT WASTE AND CONDENSATE PIPING FOR ALL KITCHEN EQUIPMENT.
- IF WATER SOFTENER REQUIRED BY OWNER SHALL SERVE ALL FIXTURES OTHER THAN ICE MACHINES, DRINK SYSTEMS, ICED TEA BREWERS, COFFEE MAKERS, HOSE BIBS, CARBONATORS AND ALL.
- ALL PROPANE (LP) GAS LINE RUNS MUST BE INSIDE WALL CAVITY, SURFACE MOUNTED GAS LINES ARE UNACCEPTABLE.

KEY NOTES

- CONNECT 1 1/2" CW TO SITE CONNECTION. COORDINATE LOCATION WITH CIVIL. VERIFY WATER PRESSURE ON SITE. PROVIDE PRESSURE REDUCING VALVE AS NECESSARY.
- WATER METER REMOTE READOUT LOCATED ON THE EXTERIOR WALL.
- HALF HIGH WALL. NO FULL HEIGHT VERTICAL PLUMBING LINES.
- SURFACE MOUNTED PLUMBING LINES (AFTER WALL FINISH IS APPLIED)
- NOT USED
- MAINTAIN CLEARANCE REQUIRED BY CODE BETWEEN THE SANITARY SEWER AND THE WATER LINE.
- PROVIDE 1/2" OD PUSH/PULL FITTING FROM WATER FILTER TO ICE MAKER.
- PROVIDE SHUT-OFF WITH DRAIN MOUNTED AT WATER METER, PIPE TO BE SLOPED AFTER SHUT-OFF VALVE TOWARDS HOSE BIB TO ALLOW FOR DRAINING OF THE PIPE.
- WATER HEATER FLUE AND COMBUSTION AIR VENT THROUGH ROOF SEE DETAIL 8/P4.
- PLUMBING CONTRACTOR TO PROVIDE AND INSTALL A SHUT-OFF VALVE AND A STAINLESS STEEL BACKFLOW PREVENTOR AT CARBONATOR.
- PROVIDE ONE MANUALLY OPERATED SHUT-OFF VALVE ON BRANCH GAS PIPING TO APPLIANCES LOCATED ACCESSIBLE ABOVE CEILING TILE.
- NOT USED
- GALVANIZED OR COPPER PROPANE PIPING UP THROUGH ROOF TO ROOFTOP HVAC EQUIPMENT.
- 3/4" PROPANE PIPING TO WATER HEATER. SEE DETAIL 8/P4.
- PROVIDE PROPANE STORAGE TANK(S) WITH FIRST-STAGE AND SECOND-STAGE REGULATORS. DO NOT MOUNT REGULATORS ON BUILDING EIFS. INSTALL SHUT-OFF VALVES AT TANK, REGULATORS, AND BUILDING ENTRY. SYSTEM SHALL BE SIZED FOR 360 CFH PROPANE. FIRST-STAGE REGULATOR SHALL REDUCE TANK PRESSURE TO INTERMEDIATE PRESSURE (APPROX. 5-10 PSI). SECOND-STAGE REGULATOR SHALL DELIVER 11" W.C. MANIFOLD PRESSURE AT THE BUILDING. ALL REGULATORS, PIPING, AND ACCESSORIES SHALL BE SIZED TO ACCOMMODATE THE TOTAL CONNECTED LOAD AND INSTALLED IN ACCORDANCE WITH NFPA 54 AND APPLICABLE LOCAL CODES.
- LOCATE FLUSH LEVER ON THIS SIDE OF TOILET PER ADA REQUIREMENTS.
- 5/8" NPT PLASTIC CONDENSATE LINE TO SERVICE SINK SURFACE MOUNT TIGHT TO WALL. SLOPE TO DRAIN.
- PLUMBING CONTRACTOR TO PROVIDE QUICK DISCONNECT AND 3/4" BLACK IRON PIPE FROM FRYER TO USED COOKING OIL RECYCLING TANK. PROVIDE CONSTANT MIN. 1/4" PER FT. SLOPE TO RECYCLING TANK. PROVIDE BACK TO BACK 45° ELBOWS FOR ANY CHANGE IN DIRECTION. VERTICAL PIPES IN KITCHEN MUST BE INSIDE WALL CAVITY, SURFACE MOUNT IS UNACCEPTABLE.
- PLUMBING CONTRACTOR TO MAKE FINAL CONNECTION TO COUNTER RECEPTACLES AFTER COUNTER INSTALLATION.
- WATER SOFTENER - PRO-AQUA 80,000 GRAIN WHOLE HOUSE HIGH DEMAND PREMIUM GRADE WITH DIGITAL VALVE HEAVY-DUTY WATER SOFTENER SYSTEM 1 IN. PORTS.

LEGEND

NO.	DESCRIPTION
F1	WATER METER
F2	WATER HEATERS
F3	SERVICE SINK FAUCET
F4	LAVATORY
F5	WATER CLOSET
F6	HOSE BIB
F7	FLOOR SINK
F8	FLOOR DRAIN
F9	FLOOR DRAIN
F10	BACKFLOW PREVENTER
F11	URINAL
F12	MIXING VALVE
F13	GREASE INTERCEPTOR
F14	HOSE BIB
F15	RECIRCULATION PUMP
F16	MOP SINK
F17	WATER SOFTENER

ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE VIRGINIA PLUMBING CODE (VPC), LATEST ADOPTED EDITION (BASED ON THE 2018 INTERNATIONAL PLUMBING CODE (IPC), UNLESS PRIOR APPROVAL IS GRANTED BY THE AUTHORITY HAVING JURISDICTION (AHJ).

ALL PIPING, PIPE FITTINGS, TRAPS, FIXTURES, MATERIALS, AND DEVICES USED IN THE PLUMBING SYSTEM SHALL COMPLY WITH APPLICABLE SECTIONS OF THE VPC AND SHALL:

BE LISTED AND LABELED BY AN APPROVED THIRD-PARTY LISTING AGENCY; COMPLY WITH APPLICABLE RECOGNIZED STANDARDS REFERENCED IN THE CODE; BE FREE FROM DEFECTS.

WATER DISTRIBUTION SYSTEMS: CROSS-LINKED POLYETHYLENE (PEX) WATER DISTRIBUTION SYSTEMS SHALL COMPLY WITH VPC SECTION 605 AND APPLICABLE STANDARDS:

A. TUBING SHALL COMPLY WITH ASTM F876, ASTM F877, OR CSA B137.5.
B. TUBING SHALL BE MARKED WITH THE APPLICABLE STANDARD FOR THE FITTINGS USED.
C. FITTINGS SHALL COMPLY WITH ONE OF THE FOLLOWING:

ASSE 1061
ASTM F1807
ASTM F1960
ASTM F2380
ASTM F2159
ASTM F2735
CSA B137.5

DISINFECTION: THE POTABLE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH VPC SECTION 610.

TESTING: THE PLUMBING SYSTEM SHALL BE TESTED IN ACCORDANCE WITH VPC SECTIONS 312 (WATER SUPPLY SYSTEM) AND 312/713 (SANITARY DRAINAGE AND VENT SYSTEMS), AS APPLICABLE.

GREASE INTERCEPTOR: PROVIDE GREASE INTERCEPTOR IN ACCORDANCE WITH VPC SECTION 1003.3, SIZED PER PDI-G101 BASED ON ALL CONNECTED FOOD SERVICE FIXTURES.

TRAP PRIMERS: TRAP PRIMERS SHALL BE PROVIDED FOR FLOOR DRAINS AND OTHER FIXTURES SUBJECT TO TRAP SEAL EVAPORATION, IN ACCORDANCE WITH VPC SECTION 1002.4.

FIELD VERIFY EXACT
TIE IN LOCATION

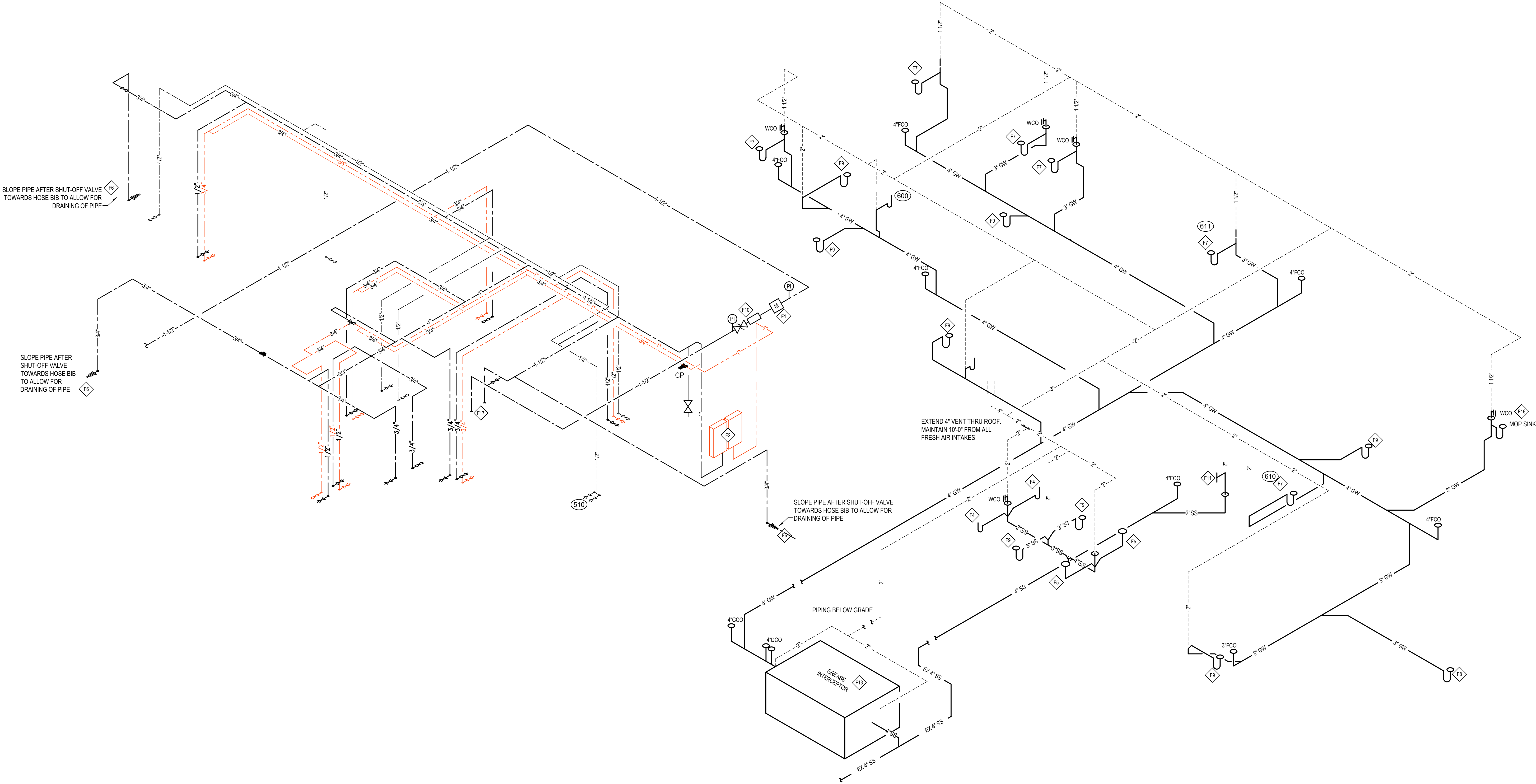
PROPANE LOAD - CFH

RTU-1	180
RTU-2	180
RTU-3	180
WATER HEATER	199
WATER HEATER	199
TOTAL	938

TOTAL PROPANE (LP) USAGE: 938 CFH
MIN. SERVICE PRESSURE: 11" W.C.
PRESSURE AFTER METER: 11" W.C.
PRESSURE DROP: 0.5" W.C.
LONGEST RUN: 103'

NOTE: VERIFY PROPANE (LP) TANK SIZE AND DELIVERY PRESSURE. ROUTE GAS PIPING TO OWNER-PROVIDED PROPANE TANK. PROVIDE REGULATORS AS REQUIRED TO ACHIEVE DESIGN PRESSURE AT BUILDING.

938 CFH - ROUTE TO PROPANE (LP) TANK SIZE AND DELIVERY PRESSURE.



1 PLUMBING WATER RISER DIAGRAM
P3

2 PLUMBING WASTE RISER DIAGRAM
P3

THIS PLAN WAS DEVELOPED USING
THE 2018 IPC PLUMBING CODE

NEW BUILDING FOR:

DQ

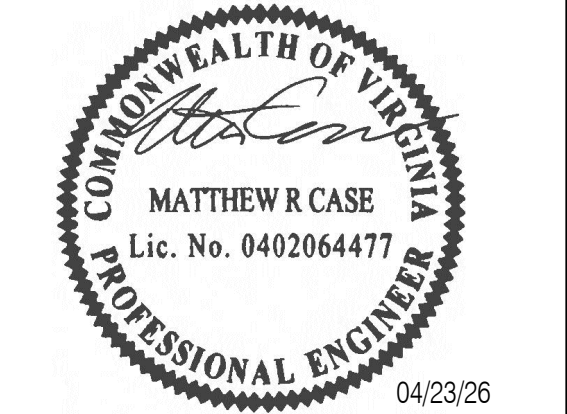
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CERTIFICATE OF AUTHORITY NO. 0407007501



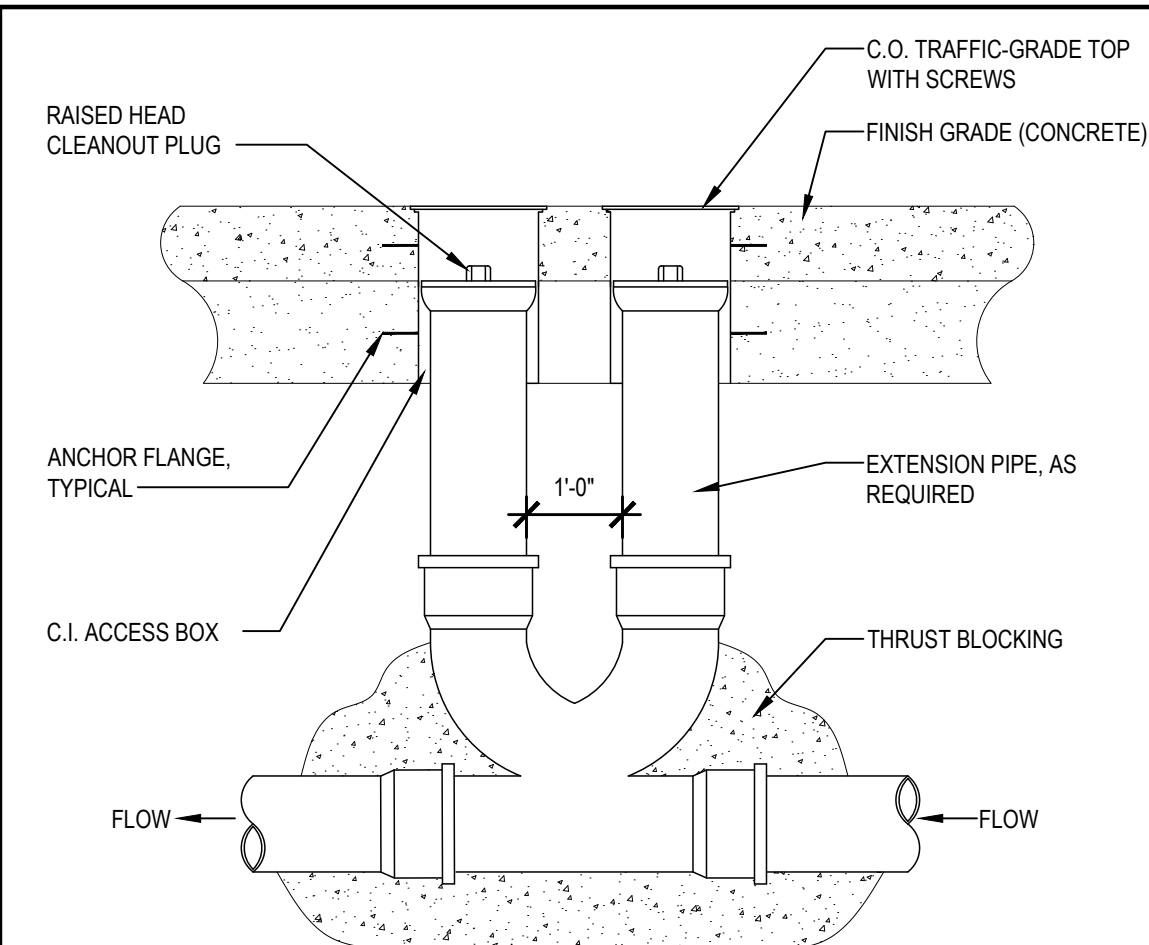
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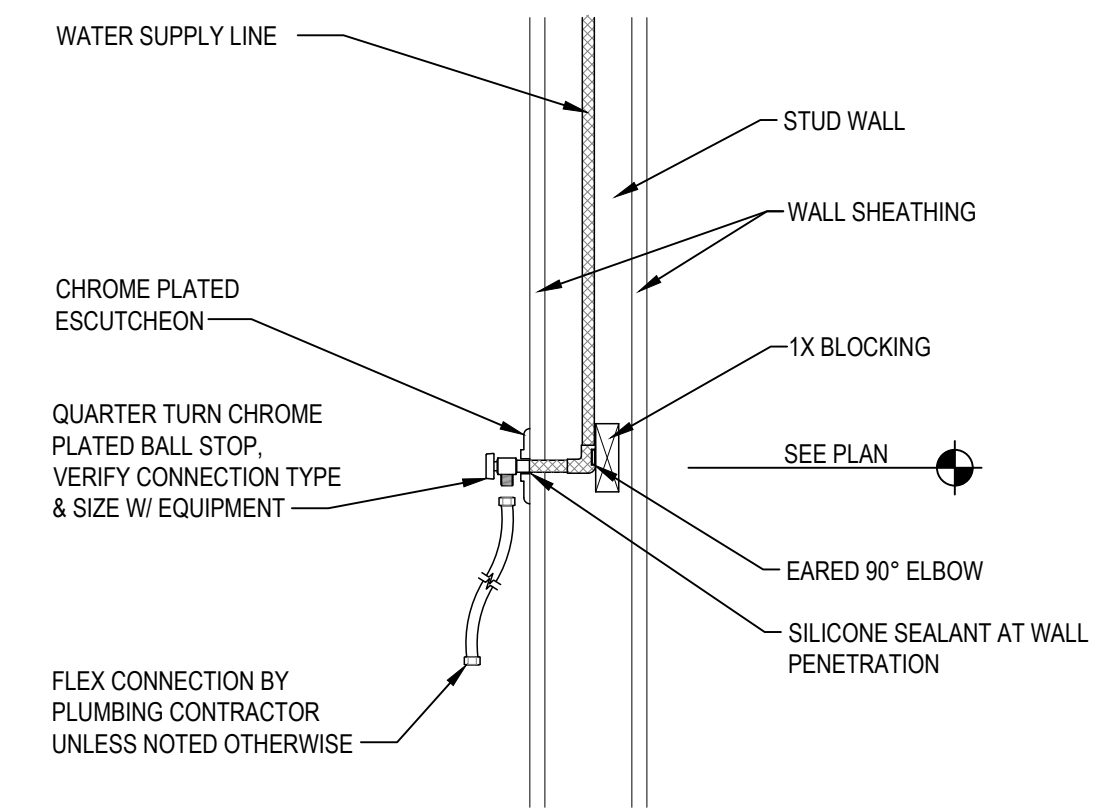
PLUMBING RISER DIAGRAMS

SHEET NUMBER:
P3



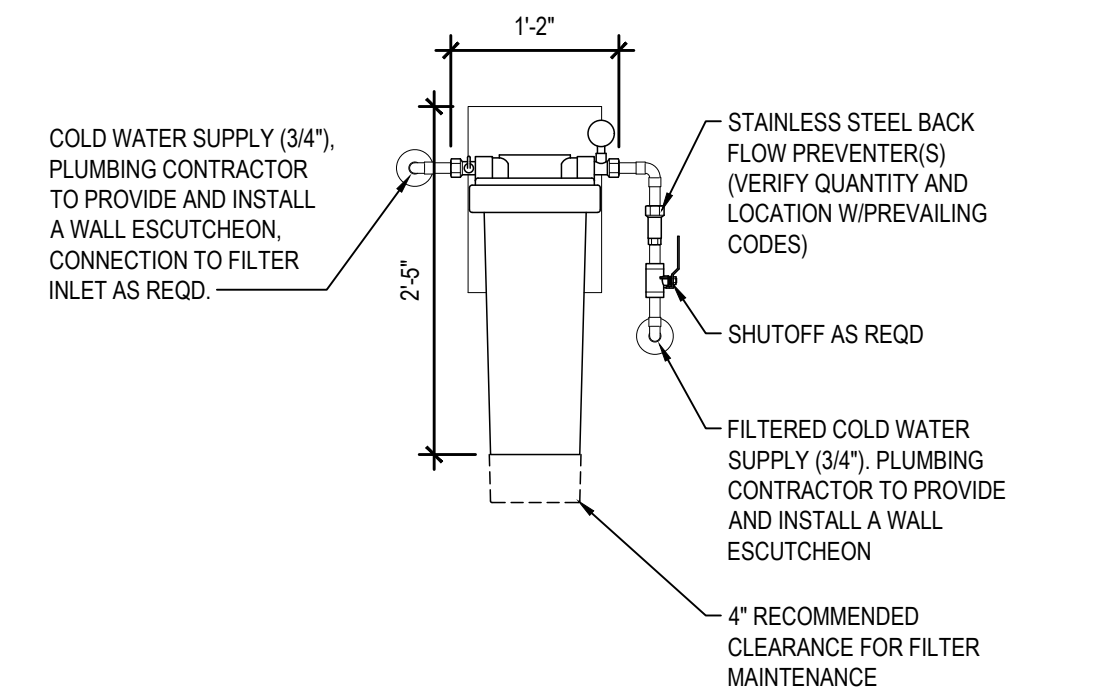
1 DOUBLE CLEANOUT DETAIL

P4



6 TYP. WATER SUPPLY CONN.

P4



7 WATER FILTER DETAIL

P4

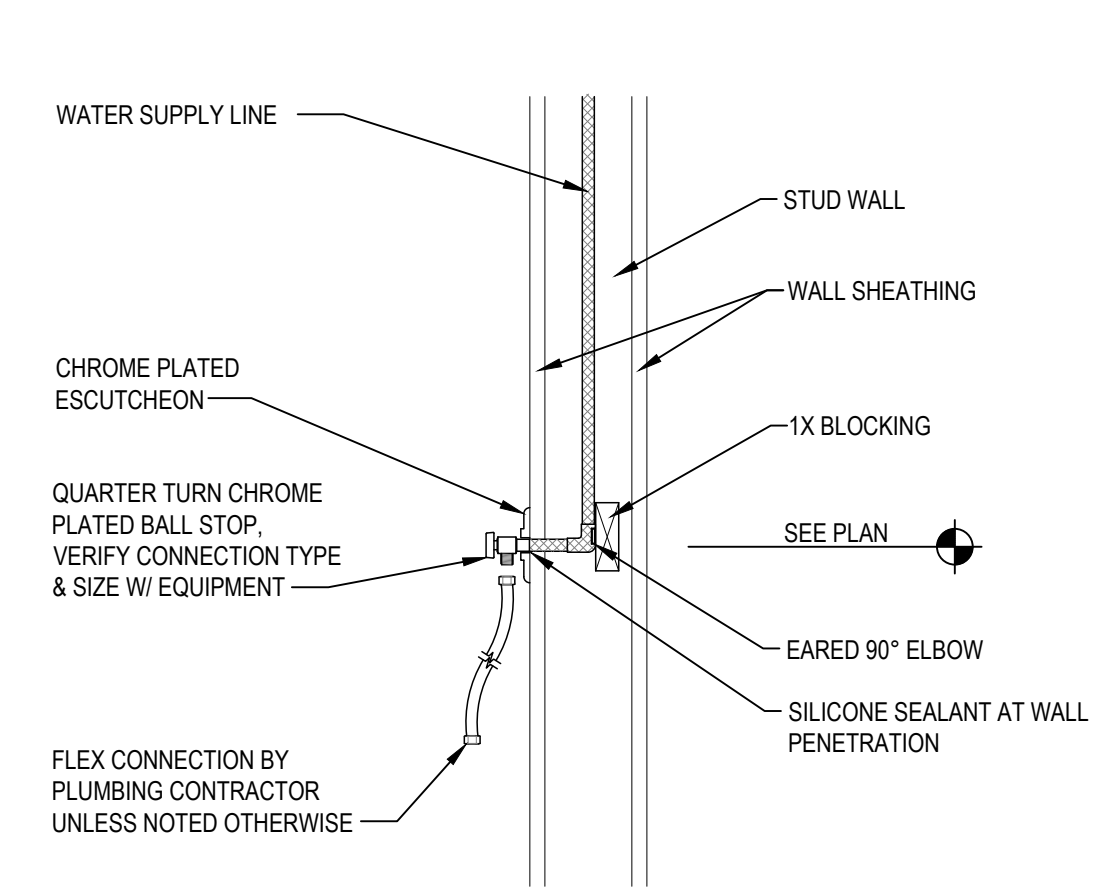


RINNAI TRX02CXIN 2-UNIT COMPACT WALL MOUNT FRAME
- (2) CU199
- FLOW RATE @ 70°F RISE: 10.8 GALLONS PER MINUTE
- FLOW RATE @ 100°F RISE: 7.6 GALLONS PER MINUTE
- MINIMUM INPUT RATE: 15,200 BTU/h
- MAXIMUM INPUT RATE: 398,000 BTU/h

NOTE: PLUMBING CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY SHUT-OFF VALVES, BACK-FLOW PREVENTERS, ETC. FOR FUTURE MAINTENANCE OF TANKLESS WATER HEATER. SEE DETAIL ABOVE FOR SUGGESTED LAYOUT.

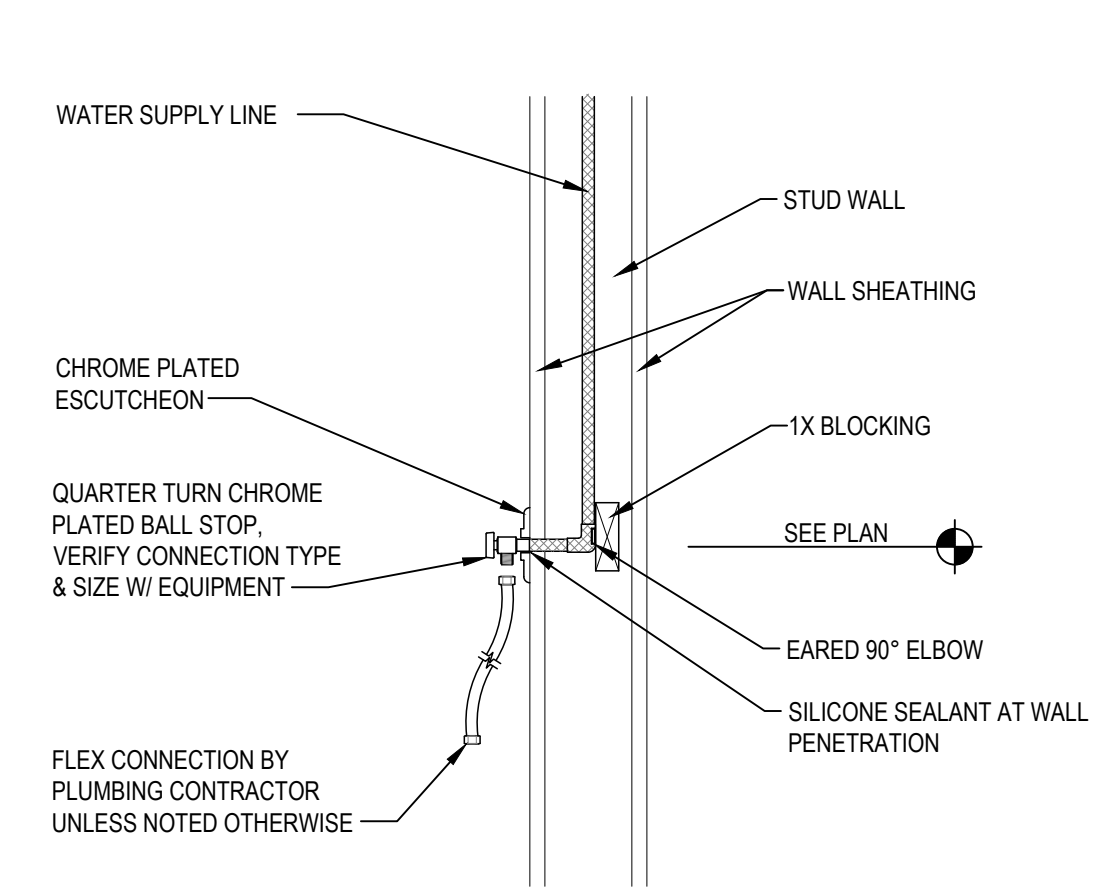
8 TANKLESS WATER HEATER DETAIL

P4



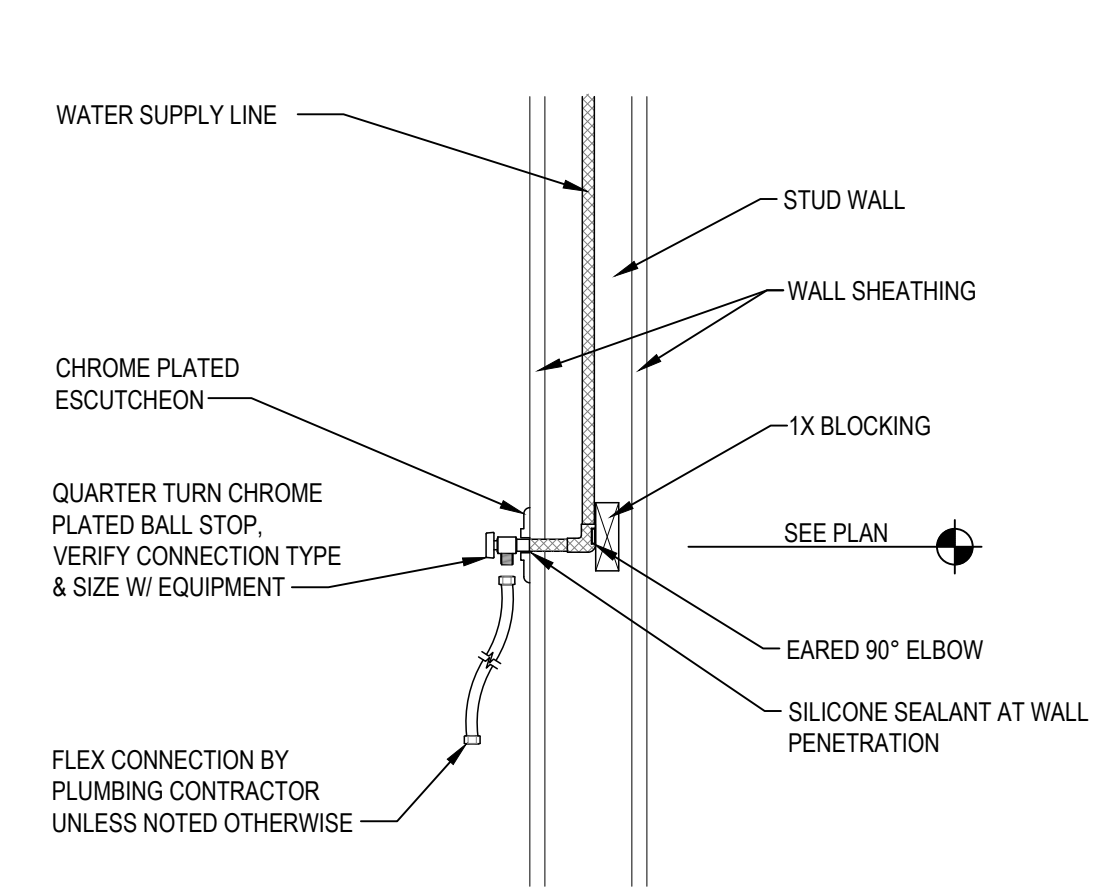
2 CONDENSATE DRAIN DETAIL

P4



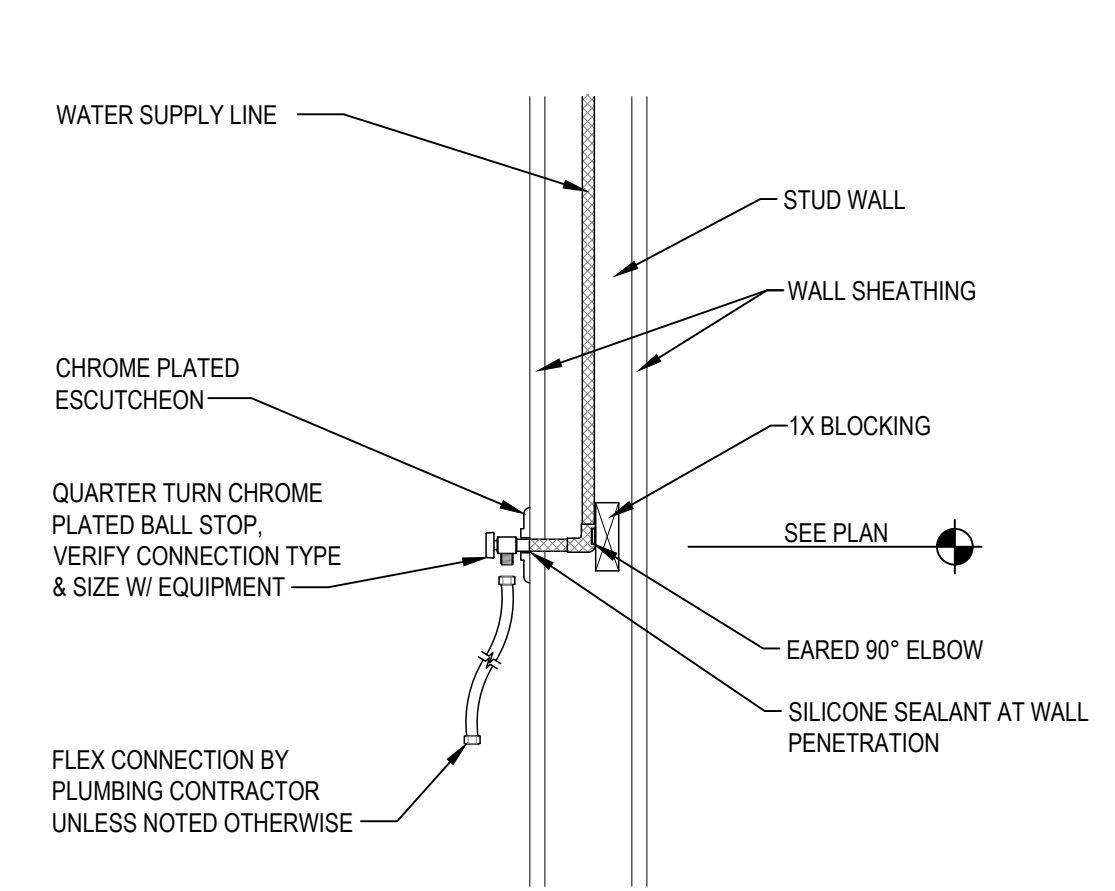
3 CLEANOUT DETAIL

P4



4 ROOF PIPE SUPPORT DETAIL

P4



5 WATER METER DETAIL

P4

GREASE INTERCEPTOR CALCULATIONS

Quote: BCB6F522

Reference No. 101126

Project Name: Dairy Queen - Elkton, VA (22827)

Step 1: Flow rate to grease interceptor

Fixture flow rate: (cu in / 231) = gal x 0.75 / 2 min = 2 min flow rate

NAME	TYPE	DIMENSIONS	QTY	CU IN	FLOW RATE
3 Compartment Sink	3 Compartment Sink	21" x 21" x 14" (3)	1	18,522	30.07 GPM
Dipper Well	Dipper Well	N/A	1	N/A	2 GPM
Floor Drain	Floor Drain	N/A	1	N/A	0 GPM
Floor Sink	Floor Sink	N/A	8	N/A	0 GPM
Hand Sink	Hand Sink	10" x 14" x 5"	2	1,400	2.28 GPM
Mop Basin	Mop Basin	24" x 24" x 10"	1	5,760	9.35 GPM
Pre-Rinse Sink One Bowl	Pre-Rinse Sink One Bowl	20" x 20" x 5"	1	2,000	3.25 GPM
Total				46.94 GPM	

Step 2: Grease Production

Servings per day x Grease production value x Days between pump-outs = Grease output

Servings per day: 500

Grease production value: 0.025 lbs per serving (Fast Food - Limited Prep: Medium / No flatware)

Days between pump-outs: 90 days

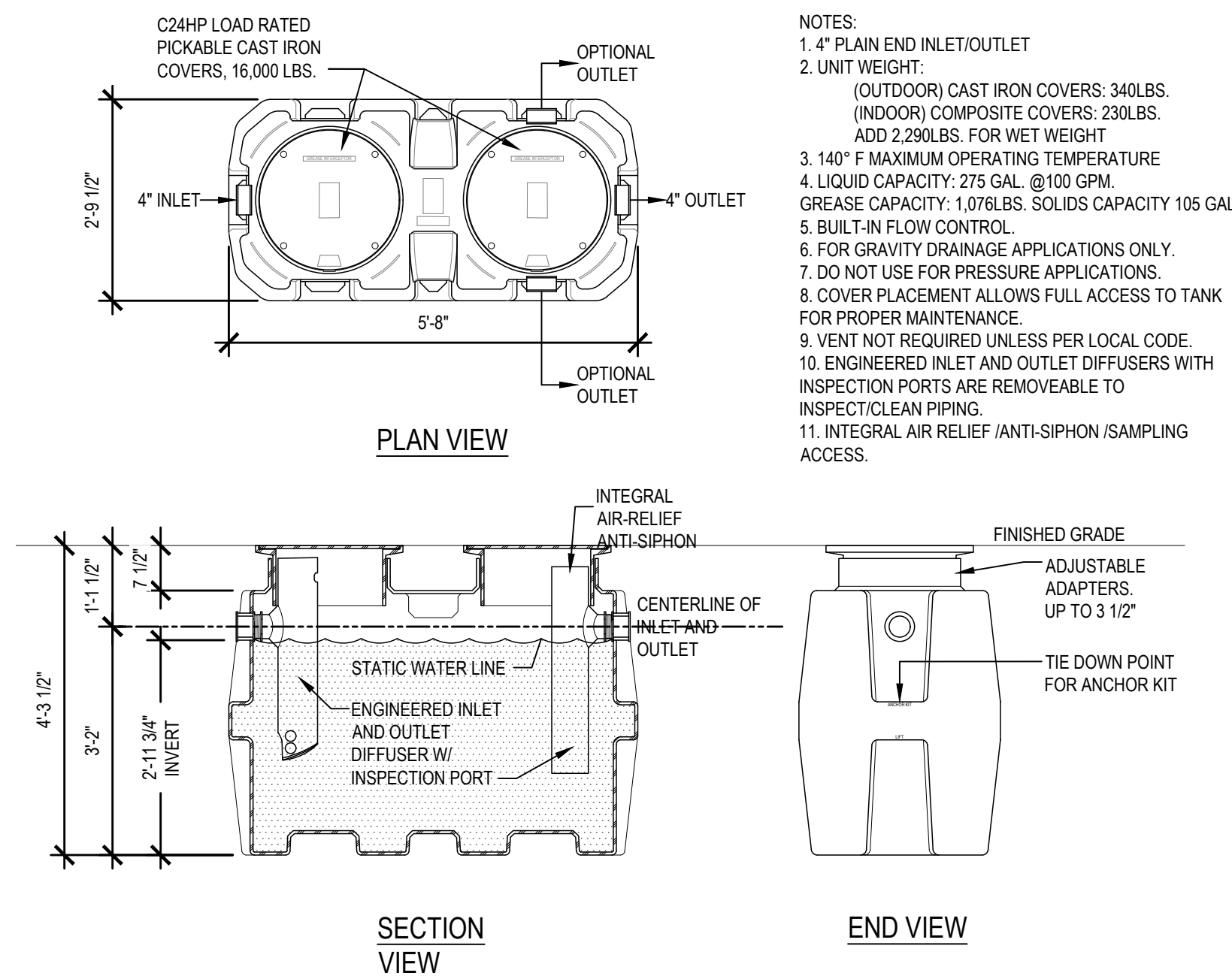
500 x 0.025 x 90 = 1125 lbs of FOG

SCHIER MODEL	Description: GREASE INTERCEPTOR 100 GPM / 150 GPM, 4" PLAIN/FPT CONNECTIONS
GB-250	Dimensions: Length: 87", Width: 33", Height: 44" Flow Rate/Grease Capacity: 100 GPM / 1895 lbs Liquid Capacity: 277 gal

Specification Note: This Great Basin model has been sized to the flow rate and grease production requirements of the application and may not be substituted by liquid capacity alone. Any substitution requests must be approved by the specifying engineer and the authority having jurisdiction.

Please contact support@schierproducts.com for technical and procurement support for the specified Great Basin model.

SCHIER GB-250 GREASE INTERCEPTOR



9 GREASE TRAP DETAIL

P4

NEW BUILDING FOR:



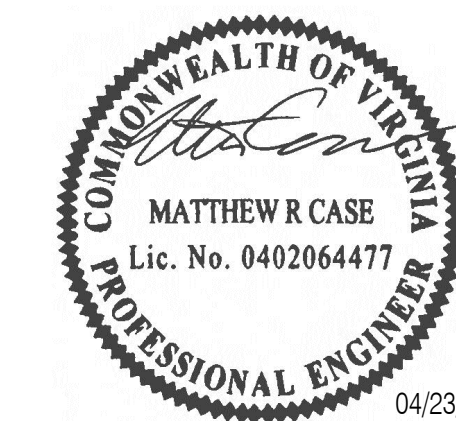
250 SOUTH STUART AVENUE
ELKTON, VA 22827

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CASE

Engineering Inc.

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St. Louis, MO 63026
T 636.349.1600
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CERTIFICATE OF AUTHORITY NO. 407007501



04/23/26

VIRGINIA ENGINEER LICENSE NUMBER
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REVISION DATE:

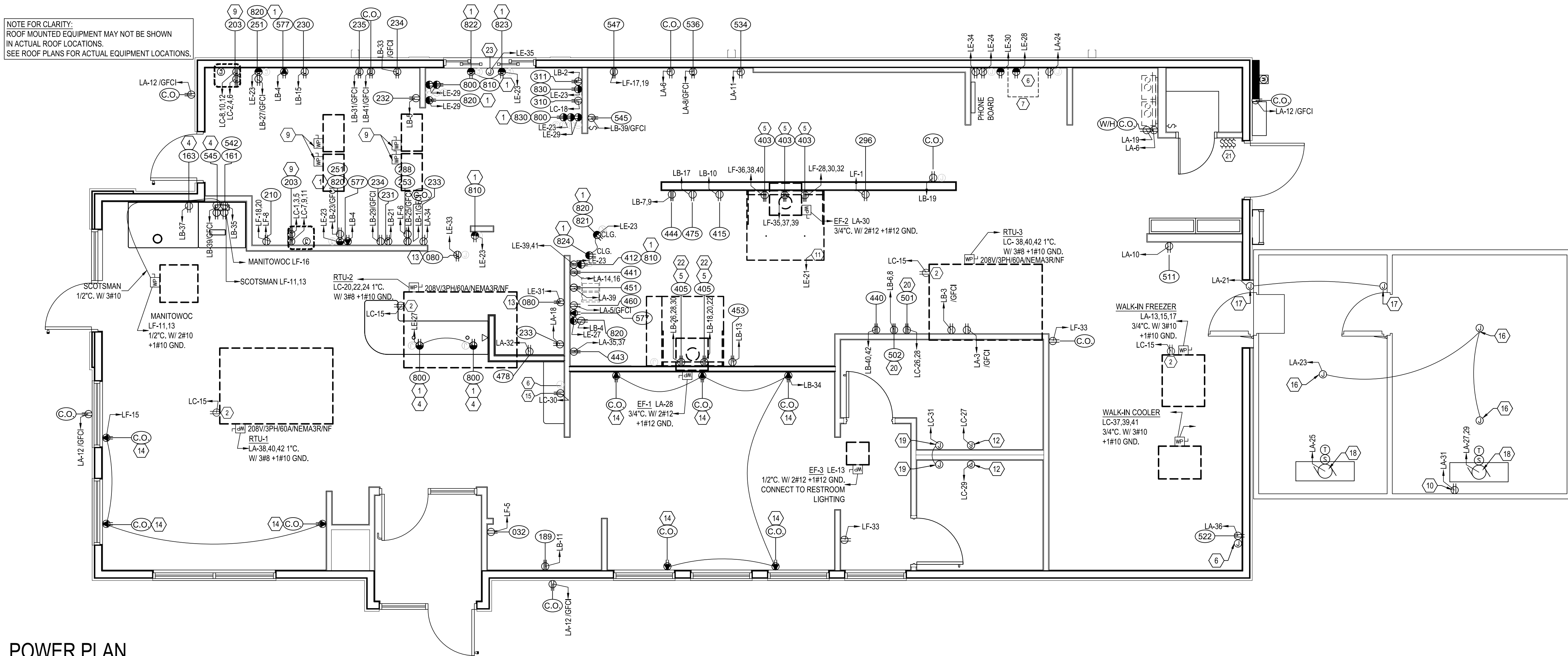
04/23/26 ORIGINAL ISSUE

PLUMBING DETAILS

SHEET NUMBER:

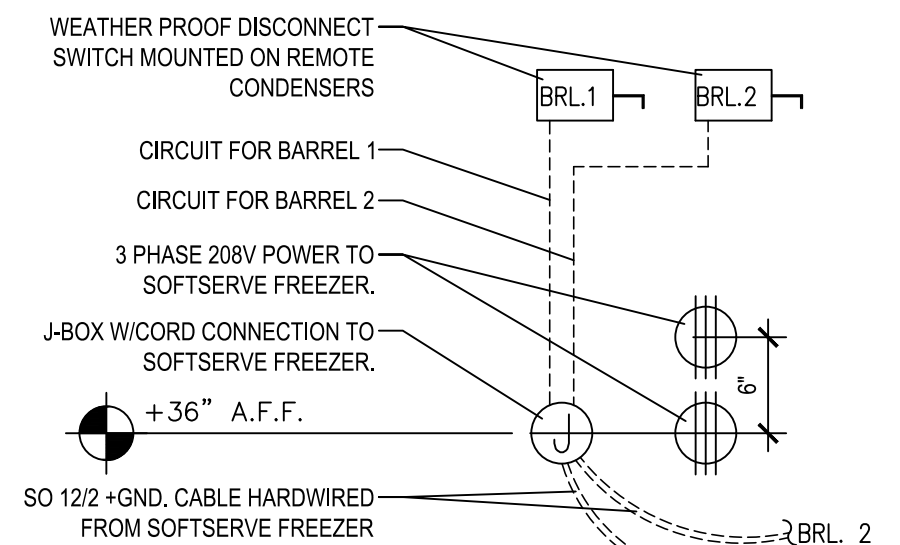
P4

NOTE FOR CLARITY:
ROOF MOUNTED EQUIPMENT MAY NOT BE SHOWN
IN ACTUAL ROOF LOCATIONS.
SEE ROOF PLANS FOR ACTUAL EQUIPMENT LOCATIONS.



1 POWER PLAN

E1.1 SCALE: 1/4" = 1'-0"



2 DETAIL

E1.1

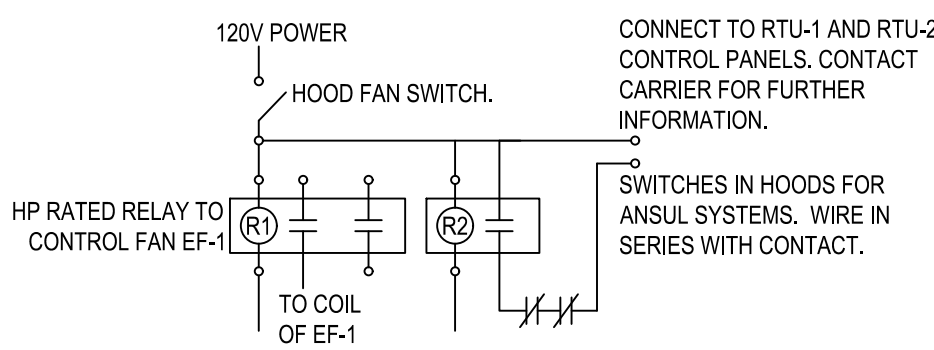
NOTE:
•REFER TO NAMEPLATE FOR
SPECIFIC ELEC. REQMTS.
•MAKE SURE BUILDING POWER
MATCHES NAMEPLATE REQMTS.

SO 12/3 +GROUND CABLE, (1) CONN.
TO EACH BARREL 1 & BARREL 2,
HARDWIRE TO SOFTSERVE FREEZER,
NEMA L15-30P TO WALL OUTLET

SO 12/2 +GROUND CABLE, (1) CONN.
TO EACH BARREL 1 & BARREL 2,
HARDWIRE FROM SOFTSERVE FREEZER
TO ROOFTOP REMOTE CONDENSER

3 DETAIL

E1.1



NOTE: IN CASE OF FIRE IN ANY HOOD, EXHAUST FANS SHALL RUN AND RTU-1, RTU-2, and RTU-3
SHALL SHUT DOWN. VERIFY REQUIREMENTS WITH AUTHORITY HAVING JURISDICTION AND
PROVIDE ALL WIRING, RELAYS, ETC. FOR A COMPLETE AND WORKING SYSTEM. ADDITIONAL
CONTACTORS SHALL BE PROVIDED AS NECESSARY TO INTERLOCK WITH ANY ADDITIONAL
TYPE 1 HOODS.

4 DETAIL FOR REFERENCE

E1.1

EQUIPMENT/HVAC NOTES (GRILL & CHILL)

EF-1	EXHAUST FAN #1: 3/4 HP-120V/1PH, ELECTRICAL CONTRACTOR TO FIELD WIRE KITCHEN FAN CONTROL SWITCH PROVIDED BY HOOD MANUFACTURER TO EXHAUST HOOD AND HOOD LIGHTING. ELECTRICAL CONTRACTOR FIELD WIRE SHUNT TRIP BREAKERS TO SPARE RELAY CONTROLS IN KITCHEN FAN CONTROL SWITCH. FIELD VERIFY AND COORDINATE WITH OTHER TRADES. STARTER TO BE MOUNTED BELOW CEILING ADJACENT TO THE HOOD.
EF-2	EXHAUST FAN #2: 1/6 HP-120V/1PH, WP TOGGLE SWITCH ON UNIT BY MANUFACTURER. CONNECT TO RESTROOM LIGHTING CIRCUIT. PROVIDE RELAYS AND MISCELLANEOUS HARDWARE AS REQUIRED.
RTU-1	ROOFTOP UNIT #1: 208V/3PH, E.C. TO PROVIDE AND MAKE FINAL CONNECTIONS TO SERVICE DISCONNECT AND GFI RECEPTACLE PROVIDED ON UNIT. PROVIDE JUNCTION BOX AND 1/2" EMPTY CONDUIT WITH PULL LINE STUBBED TO ACCESSIBLE CEILING SPACE FOR THERMOSTAT PROVIDED BY OTHERS. E.C. TO PROVIDE NYLON BUSHINGS. COORDINATE LOCATION WITH MECHANICAL DRAWINGS. SEE SHEET M-1 FOR ADDITIONAL REQUIREMENTS.
RTU-2	ROOFTOP UNIT #2: 208V/3PH, E.C. TO PROVIDE AND MAKE FINAL CONNECTIONS TO SERVICE DISCONNECT AND GFI RECEPTACLE PROVIDED ON UNIT. PROVIDE JUNCTION BOX AND 1/2" EMPTY CONDUIT WITH PULL LINE STUBBED TO ACCESSIBLE CEILING SPACE FOR THERMOSTAT PROVIDED BY OTHERS. E.C. TO PROVIDE NYLON BUSHINGS. COORDINATE LOCATION WITH MECHANICAL DRAWINGS. SEE SHEET M-1 FOR ADDITIONAL REQUIREMENTS.
RTU-3	ROOFTOP UNIT #3: 208V/3PH, E.C. TO PROVIDE AND MAKE FINAL CONNECTIONS TO SERVICE DISCONNECT AND GFI RECEPTACLE PROVIDED ON UNIT. PROVIDE JUNCTION BOX AND 1/2" EMPTY CONDUIT WITH PULL LINE STUBBED TO ACCESSIBLE CEILING SPACE FOR THERMOSTAT PROVIDED BY OTHERS. E.C. TO PROVIDE NYLON BUSHINGS. COORDINATE LOCATION WITH MECHANICAL DRAWINGS. SEE SHEET M-1 FOR ADDITIONAL REQUIREMENTS.
193	DISPLAY FREEZER: 208V/60/1, E.C. TO PROVIDE 8' OF CORD AND NEMA L14-20 PLUG & RECEPTACLE FOR EACH FREEZER. ROOF TOP COMPRESSOR: 208-230V/60/3, E.C. PROVIDE WATERPROOF 30A FUSED DISCONNECT SWITCH FOR EACH UNIT. E.C. TO MAKE FINAL CONNECTION.
203	SOFTSERVE FREEZER: 208-230V, 3 PHASE - PROVIDE 10GA. x6'-0" LONG, 3 WIRE W/ GROUND CORD AND NEMA L15-30 PLUG & RECEPTACLE PER BARREL, TYPICALLY (2) CONNECTIONS PER SOFTSERVE FREEZER. SOFTSERVE CONDENSER: POWER HARDWIRED FROM SOFTSERVE FREEZER, PROVIDE WP 10A, 2 POLE DISCONNECT AT EACH CONDENSER
210	COUNTERTOP MISTY SLUSH FREEZER: E.C. TO PROVIDE TAYLOR (PRIMARY): 115V/1PH, NEMA PLUG & RECEPTACLE AND APPROXIMATELY 6' CORD. STOEELING (ALTERNATE): 115V/1PH, NEMA 5-15 RECEPTACLE. HO DUKE (ALTERNATE): 115V/1PH, NEMA 5-20 PLUG & RECEPTACLE AND APPROXIMATELY 6' CORD.
405	FULLY ELECTRIC TWO-SIDED GRILL (PRIMARY): PROVIDED WITH (2) NEMA 15-50P FROM MANUFACTURER, REQUIRES (2) 208/60/3 50A CIRCUIT BREAKERS WITH SHUNT CONTROLS. GAS & ELECTRIC TWO-SIDED GRILL (ALTERNATE): PROVIDED WITH 3/4" NATURAL GAS SUPPLY AND (1) L15-30P 208/60/3 30A CIRCUIT BREAKER WITH SHUNT CONTROL. IF FRANCHISEE SELECTS GAS & ELECTRIC UNIT, G.C./ELECTRICIAN TO REPLACE (2) 208/60/3 50A W/ SHUNT BREAKERS WITH (1) 208/60/3 30A W/ SHUNT BREAKER.
542	MANITOWOC (PRIMARY) ICE MAKER AND REMOTE CONDENSER: E.C. TO PROVIDE NEMA 5-20 PLUG & RECEPTACLE WITH APPROXIMATELY 4' CORD FOR THE ICE MAKER. E.C. TO PROVIDE 30A/2P WATERPROOF DISCONNECT SWITCH FUSED AT 25A ON REMOTE CONDENSER. REFRIGERATION CONTRACTOR TO INSTALL COMMUNICATION WIRE (THERMOSTAT WIRE) WITH INSTALLATION OF THE LINE SETS. COMMUNICATION WIRE IS PART OF LINE SET PACKAGE. FIELD VERIFY ALL REQUIREMENTS BEFORE ROUGH-IN. SCOTSMAN (ALTERNATE) ICE MAKER AND REMOTE CONDENSER: E.C. TO PROVIDE NEMA 6-20 PLUG & RECEPTACLE WITH APPROXIMATELY 4' CORD FOR THE ICE MAKER. E.C. TO PROVIDE 4' OR FLEXIBLE SEAL TIGHT CONDUIT WITH 2 #12 WIRES BETWEEN FLOOR MOUNTED WALL JUNCTION BOX AND SERVICE JUNCTION BOX LOCATED ON BACK OF ICE MAKER. E.C. TO PROVIDE 20A/2P WATERPROOF DISCONNECT SWITCH FUSED AT 20A ON REMOTE CONDENSER. FIELD VERIFY ALL REQUIREMENTS BEFORE ROUGH-IN.

GENERAL NOTES

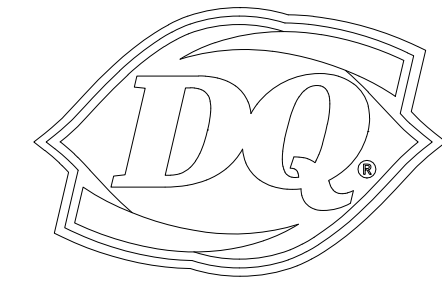
- ALL EQUIPMENT SHALL BE WIRED TO PANEL AND CIRCUIT NUMBER SHOWN. PROVIDE ELECTRICAL CONDUIT TO PANEL IS PREFERRED, MC CABLE ONLY IF LOCAL CODES ALLOW (TYPICAL UNLESS SHOWN OTHERWISE).
- ELECTRICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL CONVENIENCE OUTLETS PER TENANT/OWNER, AT TENANT/OWNER'S EXPENSE.
- IN ALL KITCHEN AREAS, ALL RECEPTACLES SHALL BE GFCI PER 2017 NEC SECTION 210.8(B)(3).
- VERIFY LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL ROOF TOP EQUIPMENT BEFORE ROUGH-IN AND COORDINATE WORK WITH OTHER TRADES.
- PROVIDE WHITE OUTLETS W/ WHITE PLATE IN DINING AREA
- PROVIDE WHITE OUTLET W/ S.S. PLATE IN KITCHEN AREA
- ALL DIMENSIONS & HEIGHTS ARE TO CENTER OF OUTLET

KEY NOTES

NOTE: THIS IS A PROTOTYPICAL SCHEDULE, ALL NOTES MAY NOT BE USED.

- CASH REGISTER/VIDEO MONITOR SYSTEM: WIRING FOR CASH REGISTER/VIDEO MONITOR SYSTEM SHALL BE IN SEPARATE CONDUIT FROM OTHER SYSTEMS AND SHALL HAVE INSULATED/DEDICATED GROUND CONDUCTORS. RECEPTACLES SHALL BE NEMA 5-20R-G. E.C. SHALL VERIFY WITH OWNER/TENANT ALL WIRING RELATED TO CASH REGISTERS AND VIDEO MONITORS FOR ANY CHANGES OR ADDITIONS BASED ON ACTUAL UNITS USED.
- ROOF TOP RECEPTACLES: ELECTRICAL CONTRACTOR TO PROVIDE AND WIRE COMPLETE GFUWP RECEPTACLE AT OR NEAR ROOF TOP EQUIPMENT.
- THIS IS A WALL THAT IS NOT FULL HEIGHT, ALL CONDUIT MUST BE ROUTED AROUND THE OPENING OR BE RUN UNDERGROUND.
- E.C. TO MAKE FINAL CONNECTION TO COUNTER RECEPTACLES AFTER COUNTER INSTALLATION.
- EQUIPMENT BENEATH HOODS SHALL HAVE SHUNT TRIP BREAKERS INTERLOCKED WITH FIRE EXTINGUISHING SYSTEM. E.C. TO PROVIDE NEMA 15-60R RECEPTACLE FOR FRYER. SEE PANEL SCHEDULE E4. E.C. TO PROVIDE LITTLE FUSE 208VOLT, 60 AMP #8B560-421-0 SHOCK BLOCKER TO PROVIDE GFCI PROTECTION.
- E.C. TO PROVIDE AN EMPTY BOX AND 1/2" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE FOR PHONE OR DATA SERVICE. COORDINATE ADDITIONAL SERVICE LOCATIONS PER OWNER'S REQUEST. FINAL TERMINATIONS BY COMMUNICATIONS CONTRACTOR.
- AT THIS LOCATION, E.C. TO PROVIDE PROPERLY SIZED SERVICES FOR THE FOLLOWING ITEMS: 120V/1PH - COMPUTER; 120V/1PH - MONITOR; 120V/1PH - PRINTER/FAX; 120V/1PH ADDING MACHINE; 120V/1PH - CONVENIENCE OUTLET; 120V/1PH WITH ISOLATED AND INSULATED GROUND FOR POS SYSTEM; JUNCTION BOX(ES) - TELEPHONE/DATA LINES; OPEN JUNCTION BOXES FOR STORE SECURITY SYSTEM; OPEN JUNCTION BOXES FOR STORE MUSIC/PAGING SYSTEM.
- ANSUL SYSTEM: E.C. TO PROVIDE JUNCTION BOX AND (1) 20A CIRCUIT FOR ANSUL SYSTEM CONNECTION. VERIFY ALL REQUIREMENTS WITH OTHER TRADES BEFORE ROUGH-IN.
- SERVICE FOR THE CONDENSING UNIT COMES FROM THE SOFTSERVE FREEZER (J BOX ON BACKSIDE OF THE SOFTSERVE FREEZER, SEE DETAIL 2/E1 & 3/E1). ALSO PROVIDE A 10 AMP, 2 POLE DISCONNECT SWITCH AT THE ROOF MOUNTED CONDENSING UNIT. (1) SO 12/2 +GROUND WIRE PER BARREL. CLEARLY LABEL EACH LINE WITH UNIT LETTER AND BARREL NUMBER (A1,A2,B1,B2) AT UNIT & AT ROOF.
- E.C. TO PROVIDE JUNCTION BOX, TOGGLE SWITCH, RECEPTACLE, AND HEAT TAPE FOR DRAIN LINE. COORDINATE LOCATION WITH PLUMBING CONTRACTOR.
- ELECTRICAL CONTRACTOR TO PROVIDE POWER TO KITCHEN FAN CONTROL CENTER, SEE SHEET M4.
- ELECTRIC HAND DRYER, DYSON AIRBLADE V AUTOMATIC HAND DRYER, SPRAYED NICKEL | H02 PROVIDED BY G.C., INSTALLED BY E.C. INSTALL PER MANUFACTURES RECOMMENDATIONS.
- MENU BOARD OUTLETS TO BE INSTALLED HORIZONTAL
- USB RECEPTACLES, LEGRAND PASS & SEYMOUR FED SPEC TAMPER-RESISTANT SINGLE RECEPTACLE WITH USB CHARGING (TR5261USB1), 15 AMP/125V, NEMA 5-15R, WHITE UNIT WITH WHITE PLATE
- OPTIONAL (COORDINATE WITH FRANCHISEE) COUNTER LIGHTING 'KK'. ELECTRICAL CONTRACTOR TO PROVIDE POWER TO JUNCTION BOX. VERIFY LIGHTING SUPPLIER WITH MILLWORK CONTRACTOR, SEE MILLWORK PLANS AND LIGHTING SCHEDULE.
- WALK-IN LIGHTING PROVIDED BY WALK-IN MFG. INSTALLED BY ELEC. CONTRACTOR, COORD. POWER REQMTS.
- WALK-IN DOOR PANEL CONTROLS PROVIDED BY WALK-IN MFG. INSTALLED BY ELEC. CONTRACTOR, COORD. POWER REQMTS.
- ELECTRICAL CONTRACTOR REFER TO MFG. WIRING DIAGRAM FOR INFORMATION ON WIRING CONTROLS PROVIDED BY MFG.
- OPTIONAL (COORDINATE WITH FRANCHISEE) HALO-LIT MIRROR. ELECTRICAL CONTRACTOR TO TIE INTO RESTROOM LIGHTING CONTROLS, SEE LIGHTING PLAN.
- OPTIONAL EQUIPMENT, COORDINATE WITH FRANCHISEE AND EQUIPMENT VENDOR.
- LIGHTING CONTROL SWITCHES
- FRANCHISEE HAS CHOICE OF TWO-SIDED GRILL (GAS & ELECTRIC OR FULLY ELECTRIC), BREAKER AND WIRE SIZE MUST BE COORDINATED W/ SELECTION. SEE EQUIPMENT/HVAC NOTES SHEET E1.1 FOR ELECTRICAL NOTES & PLUMBING SUPPLY SHEET P1 FOR GAS SUPPLY NOTES.
- E.C. TO PROVIDE 120 VOLT JUNCTION BOX WITH 20 AMP DEDICATED CIRCUIT FOR DRIVE UP WINDOW AUTOMATIC OPENER. COORDINATE ALL REQUIREMENTS AND LOCATION IN FIELD PRIOR TO ROUGH-IN.

NEW BUILDING FOR:

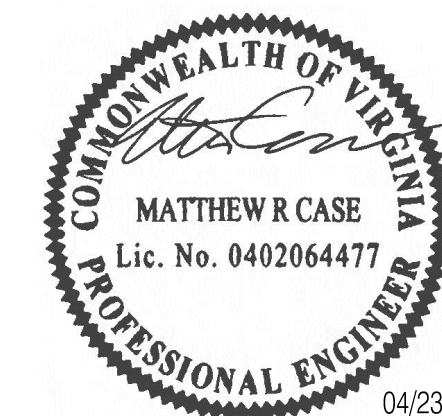


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796 Menus Court
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T 636.349.1600
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CERTIFICATE OF AUTHORITY NO. 407007501



04/23/26

VIRGINIA ENGINEER LICENSE NUMBER
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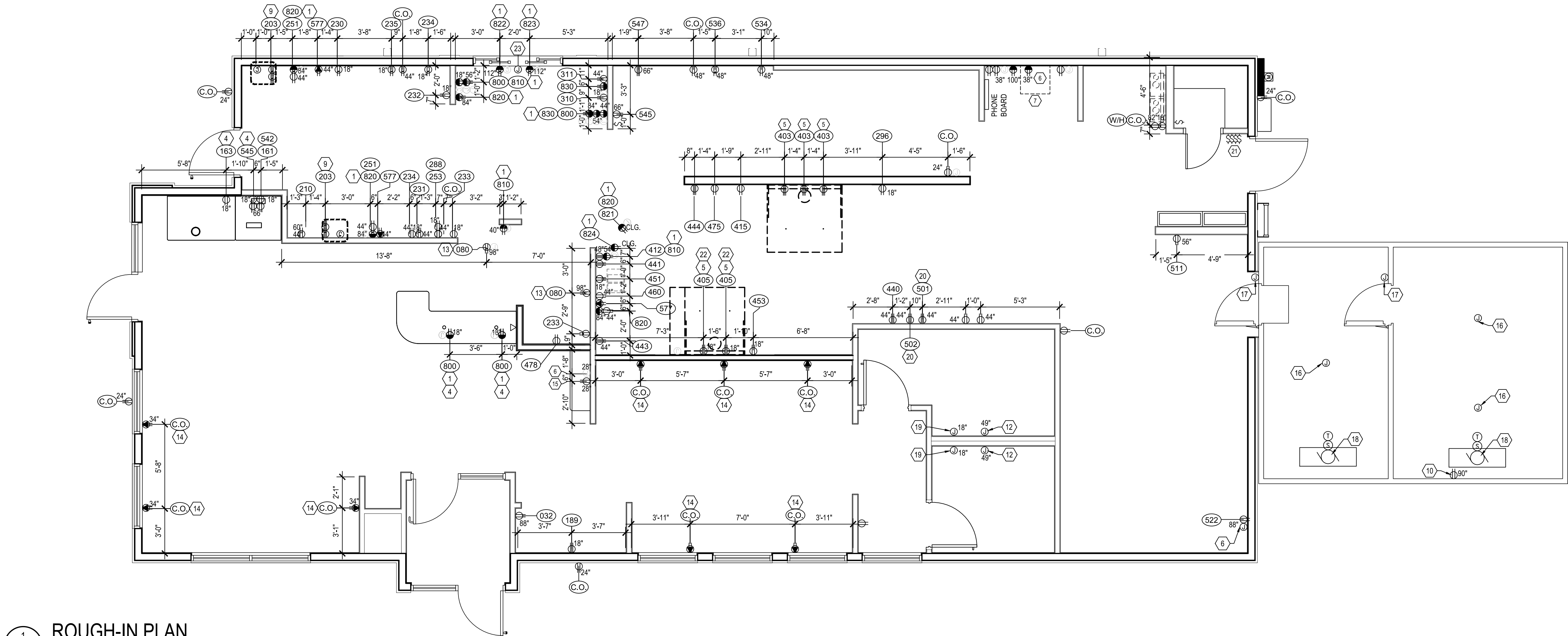
REVISION DATE:

04/23/26 ORIGINAL ISSUE

**ELECTRICAL
POWER PLAN**

SHEET NUMBER:

E1.1



1 ROUGH-IN PLAN

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

GENERAL NOTES: APPROVED VENDOR: SSDI, SEE NATIONAL VENDORS LIST

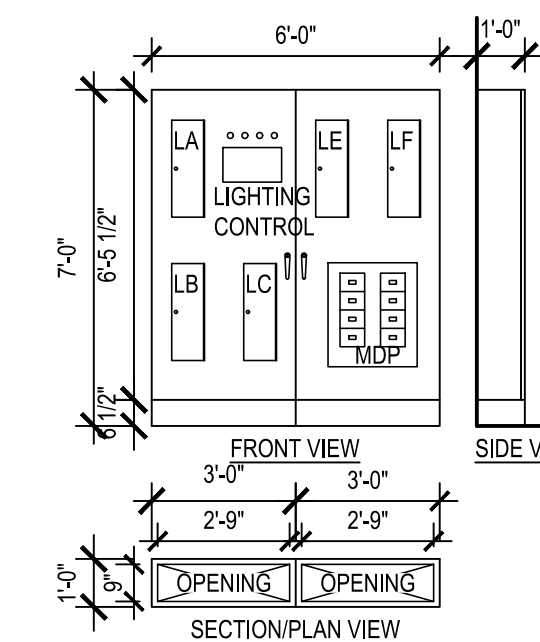
- WHERE APPLICABLE, ALL PANELBOARDS AND TRANSFORMERS WILL BE FACTORY INSTALLED AND CABLED WITH N.E.C. SIZED CONDUCTORS. SEE THE ONE-LINE DIAGRAM FOR DETAILS. THE CONTRACTOR WILL BE REQUIRED TO MAKE ALL FINAL TERMINATIONS FOR PROPER TORQUE.
- WHERE APPLICABLE, ALL PANELBOARDS WILL BE RECESS MOUNTED IN THE INTEGRATED SWITCHBOARD TO ALLOW FOR TOTAL FRONT ACCESS. A DEDICATED PANELBOARD WIREWAY IS ALSO PROVIDED.
- WHERE FACTORY INSTALLED CABLING OCCURS BETWEEN INTEGRATED SWITCHBOARD SHIPPING SPLITS, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FIELD TERMINATION OF THE CABLES. SEE ELEVATION VIEW DRAWINGS FOR SHIPPING SPLIT INFORMATION.
- EACH INTEGRATED SWITCHBOARD SHIPPING SPLIT WILL BE PALLETIZED AND SHIPPED IN AN ENCLOSED SEMI-TRAILER. WHERE APPLICABLE, THE CONTRACTOR SHALL ARRANGE FOR A FORK TRUCK TO UNLOAD AND SET THE EQUIPMENT IN PLACE. 24-HOUR NOTICE WILL BE GIVEN PRIOR TO DELIVERY.
- ENGINEER OF RECORD SHALL VERIFY AVAILABLE SHORT-CIRCUIT CURRENT AND ADJUST INTERRUPTING CAPACITIES OF PANELBOARDS AS REQUIRED TO MEET CODE.
- THE E.C. SHALL PROVIDE ALL CUTTING, TRENCHING, BACK-FILLING AND PATCHING AS REQUIRED AND SHALL BE INCLUDED AS PART OF THE E.C.'S WORK.
- AN INTEGRATED SWITCHBOARD SHALL BE USED FOR THE STORE. INTEGRATED SWITCHBOARD SUPPLIER SHALL COORDINATE SWITCHBOARD LAYOUT, WIREWAYS, EQUIPMENT, AND ALL EQUIPMENT DIMENSIONS WITH THE ELECTRICAL CONTRACTOR BEFORE BUILDING INTEGRATED SWITCHBOARD. THE E.C. SHALL WORK WITH THE INTEGRATED SWITCHBOARD SUPPLIER SO THAT THE INTEGRATED SWITCHBOARD IS CORRECT AND WILL FIT INTO PLACE MEETING ALL N.E.C. CODES BEFORE SHIPPING EQUIPMENT. THE E.C. SHALL COORDINATE ALL CONDUITS AND WIRING INSTALLATION BEFORE ROUGH-IN TO ENSURE THAT THE CONDUITS AND WIRING ARE CORRECT FOR THE INTEGRATED SWITCHBOARD. NOTE: ANY ADJUSTMENTS OR CHANGES WILL BE THE SOLE RESPONSIBILITY OF THE E.C. AT NO COST TO THE OWNER.
- THE E.C. SHALL RETORQUE AND RETIGHTEN ALL PANELBOARDS, MDP, BREAKERS AND DISCONNECTS PER MANUFACTURER'S SPECIFICATIONS BEFORE POWER IS TURNED ON. VERIFY THAT CIRCUIT BREAKER PLACEMENTS IN PANELBOARDS AS SHIPPED TO THE JOB SITE MATCH PANEL SCHEDULES. IF NOT, REARRANGED CIRCUIT BREAKERS AS REQUIRED. LABEL AND IDENTIFY ALL LOADS IN MDP AND PANELBOARD DIRECTORIES. VERIFY ALL LOADS SHOWN, AND REPORT ANY CONFLICTS TO THE ENGINEER.
- INTEGRATED SWITCHBOARD IS SEISMIC RATED

CAUTION - SERIES COMBINATION SYSTEM
RATED 65,000 AMPERES. IDENTIFIED
REPLACEMENT COMPONENTS REQUIRED.

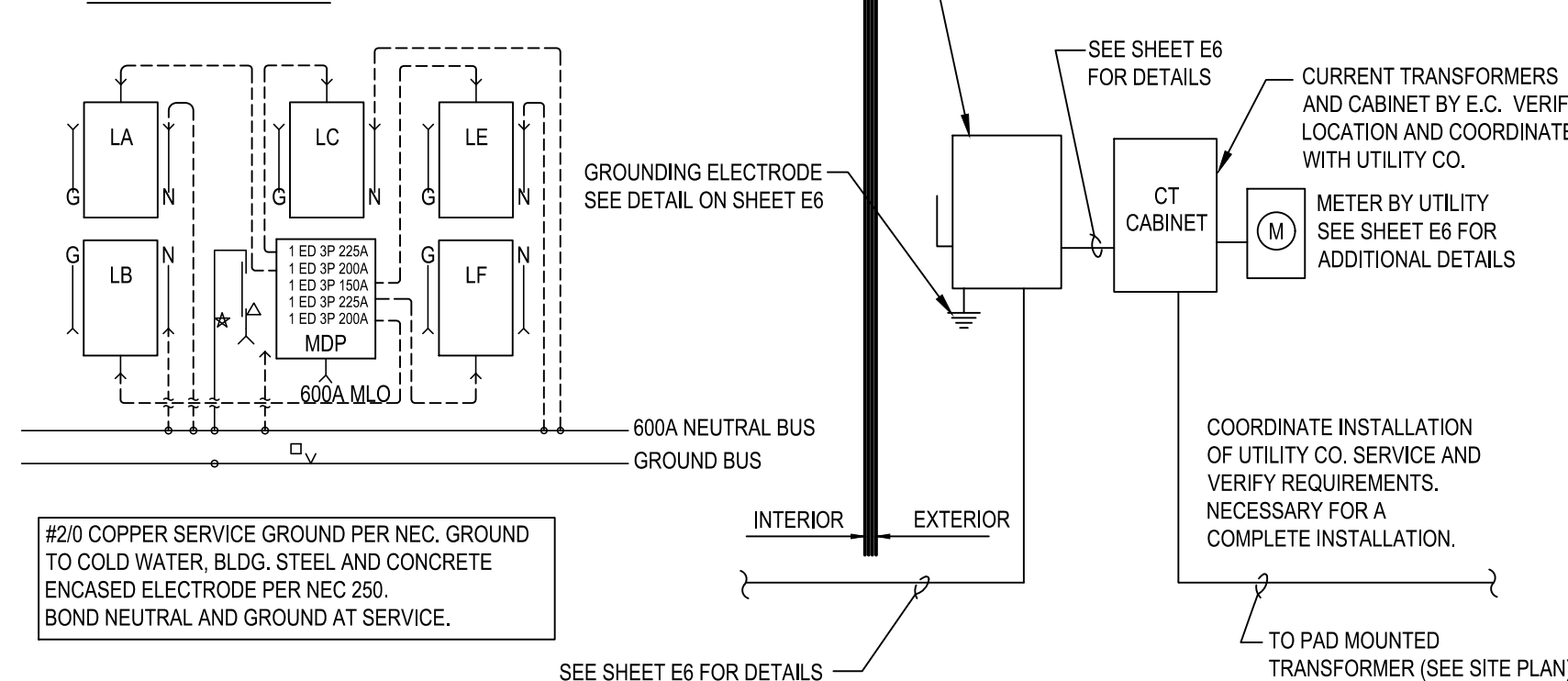
LEGEND

- NEUTRAL DISCONNECT LINK
- - NEUTRAL TO GROUND CONNECTION
- - GROUND LUG
- ◇ - TERMINAL(S)
- B.L. - BUS LOCATION
- - CABLE INSTALLED BY MANUFACTURER
- - - - CONTRACTOR SUPPLIED & INSTALLED

SERVICE VOLTAGE 208Y/120V 3 PHASE 4 WIRE
MAIN BUS 600A NEUTRAL BUS 800A CU BUS MAIN
LUGS (3) #6-350 MCM 1-350MCM GROUND LUG
SUPPLIED AS STANDARD BUS BRACING 65KA
SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT
NEMA-1 ENCLOSURE FINISH RAL 7035 SWBD
ESTIMATED WEIGHT: 900 LBS PER SECTION



ELECTRICAL ONE LINE DIAGRAM



2 ELECTRICAL SERVICE DIAGRAM

GENERAL NOTES

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- ELECTRICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL CONVENIENCE OUTLETS PER TENANT/OWNER, AT TENANT/OWNER'S EXPENSE.
- IN ALL KITCHEN AREAS, ALL RECEPTACLES SHALL BE GFCI PER 2017 NEC SECTION 210.8(B)(3).
- VERIFY LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL ROOF TOP EQUIPMENT BEFORE ROUGH-IN AND COORDINATE WORK WITH OTHER TRADES.
- PROVIDE WHITE OUTLETS W/ WHITE PLATE IN DINING AREA
- PROVIDE WHITE OUTLET W/ S.S. PLATE IN KITCHEN AREA
- ALL DIMENSIONS & HEIGHTS ARE TO CENTER OF OUTLET

NOTE: THIS IS A PROTOTYPICAL SCHEDULE, ALL NOTES MAY NOT BE USED.

KEY NOTES

- CASH REGISTER/VIDEO MONITOR SYSTEM: WIRING FOR CASH REGISTER/VIDEO MONITOR SYSTEM SHALL BE IN SEPARATE CONDUIT FROM OTHER SYSTEMS AND SHALL HAVE INSULATED/DEDICATED GROUND CONDUCTORS. RECEPTACLES SHALL BE NEMA 5-20R-G. E.C. SHALL VERIFY WITH OWNER/TENANT ALL WIRING RELATED TO CASH REGISTERS AND VIDEO MONITORS FOR ANY CHANGES OR ADDITIONS BASED ON ACTUAL UNITS USED.
- ROOF TOP RECEPTACLES: ELECTRICAL CONTRACTOR TO PROVIDE AND WIRE COMPLETE GFWP RECEPTACLE AT OR NEAR ROOF TOP EQUIPMENT.
- THIS IS A WALL THAT IS NOT FULL HEIGHT, ALL CONDUIT MUST BE ROUTED AROUND THE OPENING OR BE RUN UNDERGROUND.
- E.C. TO MAKE FINAL CONNECTION TO COUNTER RECEPTACLES AFTER COUNTER INSTALLATION.
- EQUIPMENT BENEATH HOODS SHALL HAVE SHUNT TRIP BREAKERS INTERLOCKED WITH FIRE EXTINGUISHING SYSTEM. E.C. TO PROVIDE NEMA 15-60R RECEPTACLE FOR FRYER. SEE PANEL SCHEDULE E4. E.C. TO PROVIDE LITTLE FUSE 208VOLT, 60 AMP #8B560-42-10 SHOCK BLOCKER TO PROVIDE GFCI PROTECTION.
- E.C. TO PROVIDE AN EMPTY BOX AND 1/2" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE FOR PHONE OR DATA SERVICE. COORDINATE ADDITIONAL SERVICE LOCATIONS PER OWNER'S REQUEST. FINAL TERMINATIONS BY COMMUNICATIONS CONTRACTOR.
- AT THIS LOCATION, E.C. TO PROVIDE PROPERLY SIZED SERVICES FOR THE FOLLOWING ITEMS: 120V/1PH - COMPUTER; 120V/1PH - MONITOR; 120V/1PH - PRINTER/FAX; 120V/1PH ADDING MACHINE; 120V/1PH - CONVENIENCE OUTLET; 120V/1PH WITH ISOLATED AND INSULATED GROUND FOR POS SYSTEM; JUNCTION BOX(ES) - TELEPHONE/DATA LINES; OPEN JUNCTION BOXES FOR STORE SECURITY SYSTEM; OPEN JUNCTION BOXES FOR STORE MUSIC/PAGING SYSTEM.
- ANSUL SYSTEM: E.C. TO PROVIDE JUNCTION BOX AND (1) 20A CIRCUIT FOR ANSUL SYSTEM CONNECTION. VERIFY ALL REQUIREMENTS WITH OTHER TRADES BEFORE ROUGH-IN.
- SERVICE FOR THE CONDENSING UNIT COMES FROM THE SOFTSERVE FREEZER (J BOX ON BACKSIDE OF THE SOFTSERVE FREEZER. SEE DETAIL 2/E1 & 3/E1). ALSO PROVIDE A 10 AMP, 2 POLE DISCONNECT SWITCH AT THE ROOF MOUNTED CONDENSING UNIT. (1) SO 122 - GROUND WIRE PER BARREL. CLEARLY LABEL EACH LINE WITH UNIT LETTER AND BARREL NUMBER (A1,A2,B1,B2) AT UNIT & AT ROOF.
- E.C. TO PROVIDE JUNCTION BOX, TOGGLE SWITCH, RECEPTACLE, AND HEAT TAPE FOR DRAIN LINE. COORDINATE LOCATION WITH PLUMBING CONTRACTOR.
- ELECTRICAL CONTRACTOR TO PROVIDE POWER TO KITCHEN FAN CONTROL CENTER, SEE SHEET M4.
- ELECTRIC HAND DRYER, DYSON AIRBLADE V AUTOMATIC HAND DRYER, SPRAYED NICKEL | H02 PROVIDED BY G.C., INSTALLED BY E.C. INSTALL PER MANUFACTURES RECOMMENDATIONS.
- MENU BOARD OUTLETS TO BE INSTALLED HORIZONTAL
- USB RECEPTACLES, LEGRAND PASS & SEYMOUR FED SPEC TAMPER-RESISTANT SINGLE RECEPTACLE WITH USB CHARGING (TR5261USB1), 15 AMP/125V, NEMA 5-15R, WHITE UNIT WITH WHITE PLATE
- OPTIONAL (COORDINATE WITH FRANCHISEE) COUNTER LIGHTING 'K'. ELECTRICAL CONTRACTOR TO PROVIDE POWER TO JUNCTION BOX. VERIFY LIGHTING SUPPLIER WITH MILLWORK CONTRACTOR, SEE MILLWORK PLANS AND LIGHTING SCHEDULE.
- WALK-IN LIGHTING PROVIDED BY WALK-IN MFG. INSTALLED BY ELEC. CONTRACTOR. COORD. POWER REQMTS.
- WALK-IN DOOR PANEL CONTROLS PROVIDED BY WALK-IN MFG. INSTALLED BY ELEC. CONTRACTOR. COORD. POWER REQMTS.
- ELECTRICAL CONTRACTOR REFER TO MFG. WIRING DIAGRAM FOR INFORMATION ON WIRING CONTROLS PROVIDED BY MFG.
- OPTIONAL (COORDINATE WITH FRANCHISEE) HALO-LIT MIRROR. ELECTRICAL CONTRACTOR TO TIE INTO RESTROOM LIGHTING CONTROLS. SEE LIGHTING PLAN.
- OPTIONAL EQUIPMENT, COORDINATE WITH FRANCHISEE AND EQUIPMENT VENDOR.
- LIGHTING CONTROL SWITCHES
- FRANCHISEE HAS CHOICE OF TWO-SIDED GRILL (GAS & ELECTRIC OR FULLY ELECTRIC). BREAKER AND WIRE SIZE MUST BE COORDINATED W/ SELECTION. SEE EQUIPMENT/HVAC NOTES SHEET E1.1 FOR ELECTRICAL NOTES & PLUMBING SUPPLY SHEET P1 FOR GAS SUPPLY NOTES.
- E.C. TO PROVIDE 120 VOLT JUNCTION BOX WITH 20 AMP DEDICATED CIRCUIT FOR DRIVE UP WINDOW AUTOMATIC OPENER. COORDINATE ALL REQUIREMENTS AND LOCATION IN FIELD PRIOR TO ROUGH-IN.

NEW BUILDING FOR:



GRILL & CHILL

250 SOUTH STUART AVENUE
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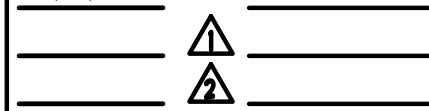
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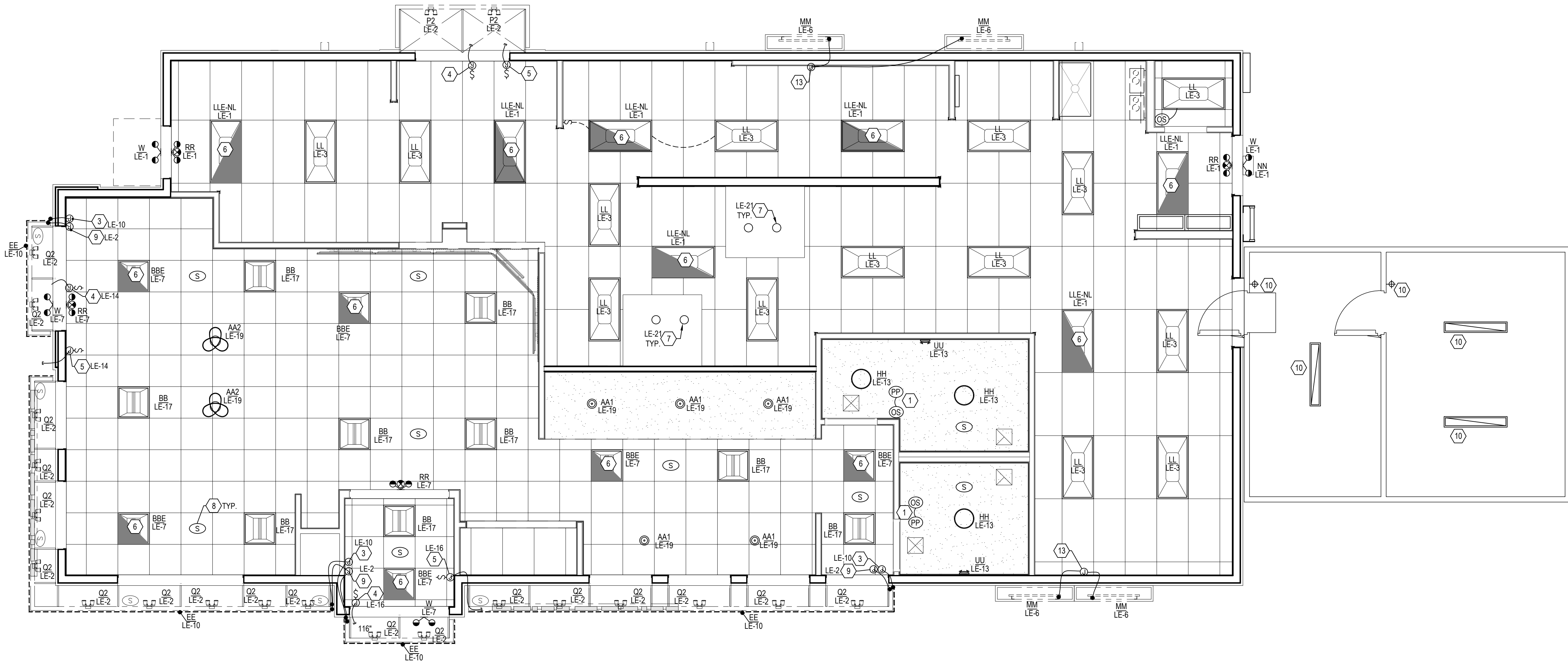
04/23/26 ORIGINAL ISSUE



ELECTRICAL ROUGH-IN PLAN

SHEET NUMBER:

E1.2



1 LIGHTING PLAN
E2 SCALE: 1/4" = 1'-0"

ELECTRICAL LEGEND	
SYM	DESCRIPTION
	SPECIAL PURPOSE OUTLET (COMBO WALL USB CHARGER) - FLUSH MOUNT (15 AMP RATED)
	DUPLEX RECEPTACLE OUTLET - FLUSH MOUNT (20 AMP RATED)
	208 VOLT RECEPTACLE - FLUSH MOUNTED
	ISOLATED GROUND RECEPTACLE (NEMA 5-20R-1G)
	JUNCTION BOX - FLUSH MOUNT
	DISCONNECT SWITCH
	PHONE
	SPEAKER FIXTURE
	SINGLE POLE SWITCH
	UNDERGROUND CONDUIT
	CONDUIT HOME RUN TO PANEL "LF" WITH CIRCUIT 7
	PANEL "LF" AND CIRCUITS 8 THROUGH 18 (I.E., CIRCUITS 8, 10, 12, 14, 16 AND 18)

ABBREVIATIONS	
SYM	DESCRIPTION
WP	WEATHER PROOF
F.B.O.	FURNISHED BY OTHERS
U.G.	UNDERGROUND
HP	HORSE POWER
W.I.C.	WALK-IN COOLER
F'TRONS	FUSETRONS
SAF.SW.	SAFETY SWITCH
C.	CONDUIT
A.F.G.	ABOVE FINISHED GROUND
A.H.J.	AUTHORITY HAVING JURISDICTION

GENERAL NOTES	
1. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL GENERAL LIGHTING AS SHOWN. 2. EMERGENCY BATTERY LIGHTING SHALL PROVIDE A UNIFORMLY DISTRIBUTED MINIMUM 1.0 FOOT CANDLE AVERAGE ILLUMINATION AT FLOOR LEVEL FOR PATH OF EGRESS. PROVIDE ADDITIONAL EMERGENCY LIGHTING AND INCLUDE IN YOUR BID IF REQUIRED BY AUTHORITY HAVING JURISDICTION. 3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE MOUNTING LOCATIONS OF LIGHT FIXTURES WITH STRUCTURAL JOIST LOCATIONS, MECHANICAL DUCT WORK, AND EQUIPMENT BEFORE STARTING WORK. 4. REFER TO SHEET E6 LIGHTING CONTROL DIAGRAM FOR LIGHTING CONTROLS.	
KEY NOTES	
THESE NOTES ARE PROTOTYPICAL, NOT ALL KEYNOTES MAY BE USED.	
1	RESTROOM LIGHTING CIRCUITS: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL MOTION AND SOUND ACTIVATED SENSORS IN EACH RESTROOM. UNIT TO BE A "CM-PDT" WITH A "PP-20" POWER PACK, WITH ALL REQUIRED ACCESSORIES.
2	ELECTRICAL CONTRACTOR TO PROVIDE SEPARATE DEDICATED CONTROLS FOR DINING ROOM RECESSED AND LAY-IN LIGHTS WITHIN INDICATED BOUNDARY.
3	EE' LED STRIP LIGHT: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A JUNCTION BOX IN AN ACCESSIBLE AREA ABOVE THE FINISHED CEILING AND MAKE ALL CONNECTIONS REQUIRED TO PROPERLY INSTALL LED. PROVIDE THRU-WALL CONNECTION FROM LED TO JUNCTION BOX, ALL CONNECTIONS, WALL PENETRATIONS, ETC. MUST BE WATERTIGHT AND COMPLY WITH PREVAILING CODES.
4	E.C. TO PROVIDE JUNCTION BOX WITH DISCONNECT SWITCH IN ACCESSIBLE CEILING SPACE AND RUN 1/2" FLEXIBLE SEAL TIGHT CONDUIT THROUGH EXTERIOR WALL TO SIGNAGE CONNECTION POINT AFTER SIGN HAS BEEN INSTALLED. FIELD VERIFY BEST MOUNTING LOCATION FOR JUNCTION BOX AND SIGN REQUIREMENTS WITH SIGN SUPPLIER AND ARCHITECTURAL DRAWINGS. MAKE FINAL CONNECTION AS REQUIRED.
5	E.C. TO PROVIDE JUNCTION BOX WITH DISCONNECT SWITCH IN ACCESSIBLE CEILING SPACE AND RUN 1/2" FLEXIBLE SEAL TIGHT CONDUIT THROUGH EXTERIOR WALL AND OUTRIGGER FRAMES TO CHANNEL LETTER SIGNAGE CONNECTION POINT AFTER SIGN HAS BEEN INSTALLED. FIELD VERIFY BEST MOUNTING LOCATION FOR JUNCTION BOX AND SIGN REQUIREMENTS WITH SIGN SUPPLIER AND ARCHITECTURAL DRAWINGS. MAKE FINAL CONNECTION AS REQUIRED.
6	FIXTURES DENOTED "EM" TO INCLUDE EMERGENCY BALLAST. BALLAST TO PROVIDE FULL OUTPUT. FIXTURES SHALL BE CONNECTED AHEAD OF ANY SWITCHES.
7	EXHAUST HOOD LIGHTING FIXTURE(S) PART OF HOOD PACKAGE, FINAL ELECTRICAL CONNECTION BY ELECTRICAL CONTRACTOR.
8	"MOOD" MUSIC SYSTEM PACKAGE INCLUDES: SPEAKERS, RECEIVER, CABLING AND INSTALLATION AND IS PROVIDED BY THE OWNER AND INSTALLED BY MUZAK SYSTEM INSTALLER. SEE NATIONAL VENDORS LIST FOR SYSTEM NATIONAL ACCOUNT PRICING & INSTALLATION COORDINATION. INTERIOR CEILING MOUNTED (MATCH CEILING COLOR) AND EXTERIOR BACK SIDE OF EYEBROW MOUNTED (BLACK) SPEAKER LOCATIONS.
9	E.C. TO PROVIDE JUNCTION BOX LOCATED IN ACCESSIBLE CEILING SPACE AND FLEXIBLE SEAL TIGHT CONDUIT THROUGH EXTERIOR WALL/OUTRIGGER FRAMES TO UP LIGHTS AND DOWN LIGHTS MOUNTED ON OUTRIGGER FRAME SYSTEM AFTER FRAME HAD BEEN INSTALLED. E.C. TO COORDINATE MOUNTING WITH OTHER TRADES FOR BEST MOUNTING AND ROUTING OF CONDUIT.
10	WALK-IN COOLER/FREEZER LIGHTING PROVIDED BY WALK-IN MANUFACTURER, INSTALLED BY ELECTRICAL CONTRACTOR.
11	GG' LED LIGHT MODULES: E.C. TO PROVIDE JUNCTION BOX WITH DISCONNECT SWITCH IN ACCESSIBLE CEILING SPACE AND RUN 3" FLEXIBLE SEAL TIGHT CONDUIT THROUGH TOWER ALPOLIC CORNICE TO LED MODULES. FIELD VERIFY BEST MOUNTING LOCATION FOR JUNCTION BOX WITH ARCHITECTURAL DRAWINGS DETAIL 7/A4.2. MAKE FINAL CONNECTION AS REQUIRED.
12	DIRECTIONAL DOWNLIGHT TO BE INSTALLED BELOW AWNING AT 107' AFF.
13	MM' VALANCE LIGHT: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A JUNCTION BOX IN AN ACCESSIBLE AREA ABOVE THE FINISHED ACT CEILING, PROVIDE 16 AWG FROM POWER SUPPLY TO LIGHT FIXTURE (25' MAX.), AND MAKE ALL CONNECTIONS REQUIRED TO PROPERLY INSTALL LED. PROVIDE THRU-WALL CONNECTION FROM LED TO JUNCTION BOX, ALL CONNECTIONS, WALL PENETRATIONS, ETC. MUST BE WATERTIGHT AND COMPLY WITH PREVAILING CODES.

LIGHTING SCHEDULE: (GRILL & CHILL)					NOTE: THIS IS A PROTOTYPICAL SCHEDULE, ALL FIXTURES MAY NOT BE USED.	
SYMBOL	LOCATION	MOUNT	MANUFACTURER	FIXTURE CATALOG NUMBER	REMARKS	
AA1	DINING ROOM	PENDANT	ARKANSAS LIGHTING	P100A-R-CNC-060070145-DW010SW001-LS01-SC-P051	74" AFF. CENTER OVER TABLE.	
AA2	DINING ROOM	PENDANT	WAC LIGHTING	DWELED, VORNADO, PD-87720-CH	84" AFF. CENTER OVER COUNTER HEIGHT TABLES, COORDINATE WITH CEILING ELEMENT. SEE F SHEETS	
AA3	DINING ROOM	PENDANT	WAC LIGHTING	DWELED, VORNADO, PD-87735-CH	84" AFF. CENTER OVER COUNTER HEIGHT TABLES, COORDINATE WITH CEILING ELEMENT. SEE F SHEETS	
AA4	RESTROOM MIRROR	WALL	MEEK MIRRORS	ML-S100-S HALO 18x36 SIDELIT MIRROR	OPTIONAL, COORD. W/ FRANCHISEE & ELECTRICAL	
BB	DINING ROOM	CEILING, LAY-IN	SPITZER	EDGE-22-32W-35K	-	
BBE	DINING ROOM	CEILING, LAY-IN	SPITZER	EDGE-22-32W-35K-EM	W/ EMERGENCY BATTERY BACK-UP	
CC	FESTOON LIGHTING	IN-LINE	AMERICAN LIGHTING	LS2-M-24-48-BK	BLACK WIRE, 52" LONG, 24" LIGHT SPACING USED ONLY WITH PERGOLA.	
DD1	DINING ROOM, 7'Ø	SURFACE	WAC LIGHTING	FM-7RN-WT	-	
DD3	DINING ROOM, 15'Ø	SURFACE	WAC LIGHTING	FM-15RN-WT	-	
EE	OUTDOOR EYEBROW	LINEAR LED	MORGAN HOPE	LED-MH-NBL-24-R	FLEXIBLE LED WITH BLACK CHANNEL SYSTEM	
FF	DINING ROOM	RECESSED DIRECTIONAL	ENVISION	LED-DLJBX-ADJ-4-12W-5CCT-BN-R	-	
GG	ALPOLIC CORNICE	SURFACE/RECESSED	MORGAN HOPE	MH-3T-CVSB-3500K	OPTIONAL, COORD. W/ FRANCHISEE & METALS PACKAGE	
HH	DINING ROOM, RESTROOM	RECESSED	ENVISION	LED-SL-PNL-6R-15W-5CCT-WH	-	
KK	DINING ROOM	HALO LIGHT	MORGAN HOPE	MHMOD-65-12V	OPTIONAL, COORD. W/ FRANCHISEE & MILLWORK	
LL	KITCHEN	CEILING, LAY-IN	LSI INDUSTRIES	ELFP24-LED-40-UE or ELFP22-LED-40-UE	VERIFY 2x4 OR 2x2 FIXTURE WITH PLAN	
LLE	KITCHEN	CEILING, LAY-IN	LSI INDUSTRIES	ELFP24-LED-40-UE W/ 625074	W/ EMERGENCY BATTERY BACK-UP	
M	OUTDOOR POS	WALL WASHER	DQ-MH15WPO-18ARM-GRY	-	REMODEL ONLY	
MM	OUTDOOR POS	WALL WASHER	MORGAN HOPE	MH402-24V-6500K	FIXTURE PROVIDED AS PART OF LIGHTING PACKAGE. COORD. W/ OUTDOOR POS VALANCE. SEE DETAIL 11/A4.2	
NN	OUTDOOR SECURITY	WALL	STONCO	LPW7-10-NW-G3-2-120-PCB-BK	MOUNTED AT 128" AFF	
P(#)	D.T. CANOPY	SURFACE	MORGAN HOPE	DQ-MH15WMO-GRY-45	MOUNTED IN DT CANOPY. (#) INDICATES NUMBER OF HEADS	
Q(#)	EYEBROW	SURFACE	MORGAN HOPE	DQ-MH15WMO-BLK-45	MOUNTED IN EYEBROW (UNLESS NOTED OTHERWISE), DIRECT ONE HEAD UP AND ONE DOWN. (#) INDICATES NUMBER OF HEADS	
RR	EXIT, EMERGENCY	WALL, CEILING	EXITRONIX	VLED-LI-WH-EL90-R	LOCATIONS TO COMPLY WITH PREVAILING CODES WITH REMOTE HEAD CAPACITY	
SS(#)	PARKING LOT	POLE	VISIONAIRE LIGHTING	DQ-VSX-II-T3-20L-5K-UNV-AM-BZ	SEE PROJECT SITE PLANS FOR LOCATIONS (#) INDICATES NUMBER OF HEADS	
TT	PATIO	POST	HINKLEY LIGHTING	REEF-1951-HE	INCLUDE 7'-0" SILVER POST	
UU	EMERGENCY LIGHT	WALL	MULE LIGHTING	SSL-HO-W	MOUNT LIGHT 3" BELOW CEILING	
W	REMOTE EMERGENCY DUAL HEAD LIGHT	WALL	EXITRONIX	MLED2-B-WP	REMOTE EMERGENCY WITH TWO 1.5 WATT HEADS POWER VIA TYPE RR EMERGENCY/EXIT	
NOTES:					• ALL FIXTURES AVAILABLE THROUGH HUC. SEE NATIONAL VENDORS LIST FOR CONTACT INFORMATION. • WIRING METHODS FOR ALL RECESSED LIGHT FIXTURES SHALL BE CONDUIT, UNLESS OTHERWISE NOTED, J-BOXES WITH FLEX DROPS, ETC. PER NEC REQUIREMENTS. • FIXTURES & VARIOUS ELECTRICAL DEVICES, SHALL BE INSTALLED IN CEILING WITH PROPER SUPPORTING METHODS FROM STRUCTURE PER NEC REQUIREMENTS. • VERIFY WITH LOCAL GOVERNING OFFICIALS THE LOCATIONS OR ADDITIONS OF "EMERGENCY LIGHTING" AND PROVIDE. • NOT ALL LIGHT FIXTURES MAY BE USED	

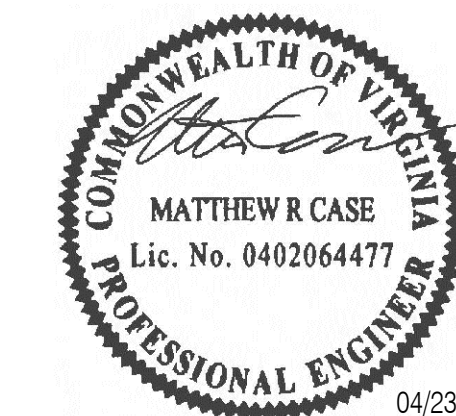
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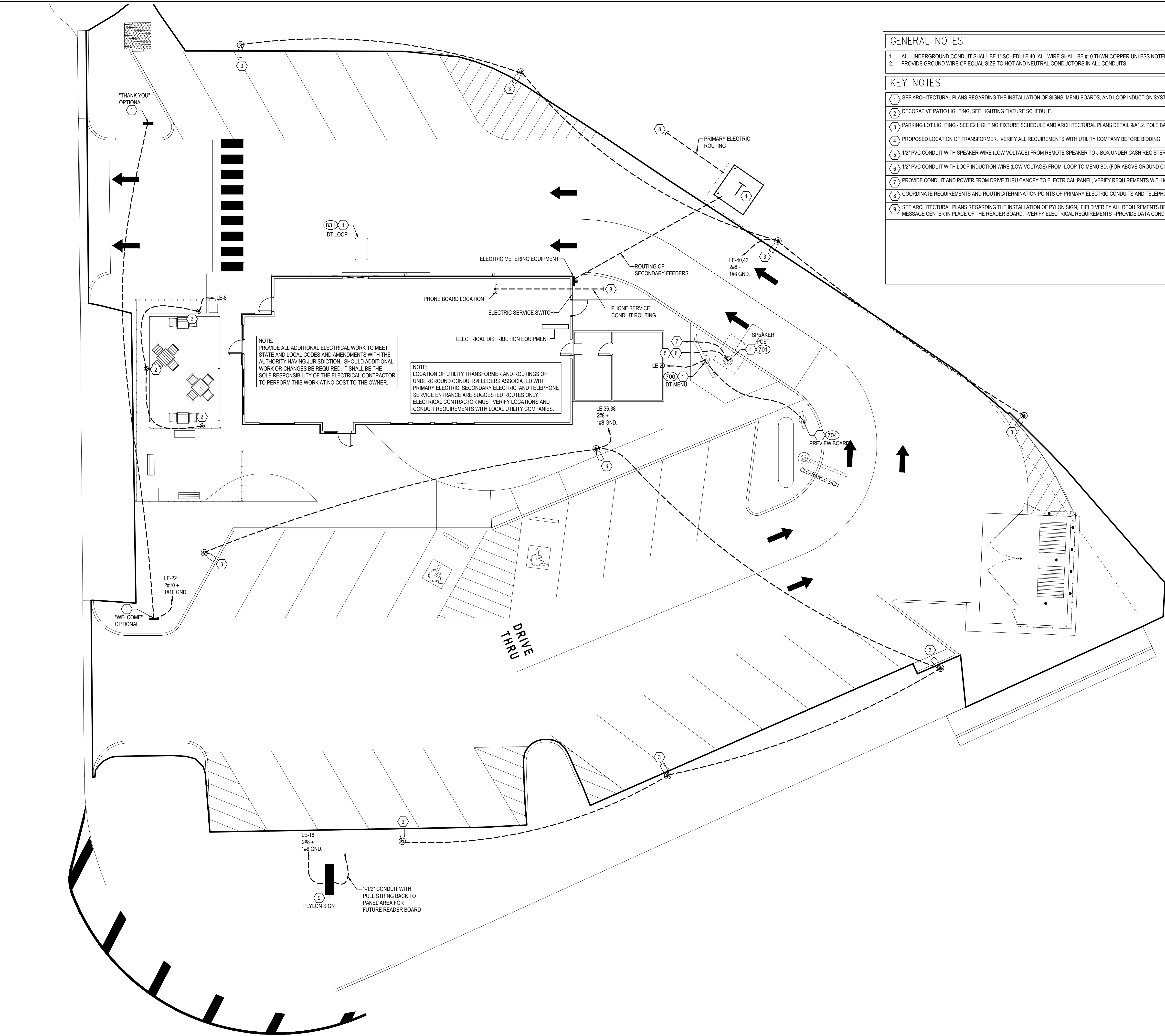
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ELECTRICAL
LIGHTING PLAN

SHEET NUMBER:

E2



GENERAL NOTES	
1.	ALL UNDERGROUND CONDUIT SHALL BE 1" SCHEDULE 40. ALL WIRE SHALL BE #10 THWN COPPER UNLESS NOTED OTHERWISE.
2.	PROVIDE GROUND WIRE OF EQUAL SIZE TO HOT AND NEUTRAL CONDUCTORS IN ALL CONDUITS.
KEY NOTES	
1.	SEE ARCHITECTURAL PLANS REGARDING THE INSTALLATION OF SIGNS, MENU BOARDS, AND LOOP INDUCTION SYSTEMS. FIELD VERIFY ALL REQUIREMENTS BEFORE ROUGH-IN.
2.	DECORATIVE PATIO LIGHTING. SEE LIGHTING FIXTURE SCHEDULE.
3.	PARKING LOT LIGHTING - SEE E2 LIGHTING FIXTURE SCHEDULE AND ARCHITECTURAL PLANS DETAIL 9/A1.2. POLE BASES AND MOUNTING.
4.	PROPOSED LOCATION OF TRANSFORMER. VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY BEFORE BIDDING.
5.	1/2" PVC CONDUIT WITH SPEAKER WIRE (LOW VOLTAGE) FROM REMOTE SPEAKER TO J-BOX UNDER CASH REGISTER COUNTER AT DRIVE THRU WINDOW.
6.	1/2" PVC CONDUIT WITH LOOP INDUCTION WIRE (LOW VOLTAGE) FROM LOOP TO MENU BD. (FOR ABOVE GROUND CONNECTION) TO J-BOX UNDER CASH REGISTER COUNTER AT DRIVE THRU WINDOW.
7.	PROVIDE CONDUIT AND POWER FROM DRIVE THRU CANOPY TO ELECTRICAL PANEL. VERIFY REQUIREMENTS WITH MANUFACTURER.
8.	COORDINATE REQUIREMENTS AND ROUTING/TERMINATION POINTS OF PRIMARY ELECTRIC CONDUITS AND TELEPHONE SERVICE CONDUITS WITH LOCAL UTILITY COMPANIES.
9.	SEE ARCHITECTURAL PLANS REGARDING THE INSTALLATION OF PYLON SIGN. FIELD VERIFY ALL REQUIREMENTS BEFORE ROUGH-IN. IF FRANCHISEE ELECTS TO USE AN ELECTRONIC MESSAGE CENTER IN PLACE OF THE READER BOARD. VERIFY ELECTRICAL REQUIREMENTS - PROVIDE DATA CONDUIT TO PYLON AS REQUIRED - COORDINATE SIZE AND ASPECT RATIO WITH ADD.

NEW BUILDING FOR:

250 SOUTH STUART AVENUE
ELKTON, VA 22827

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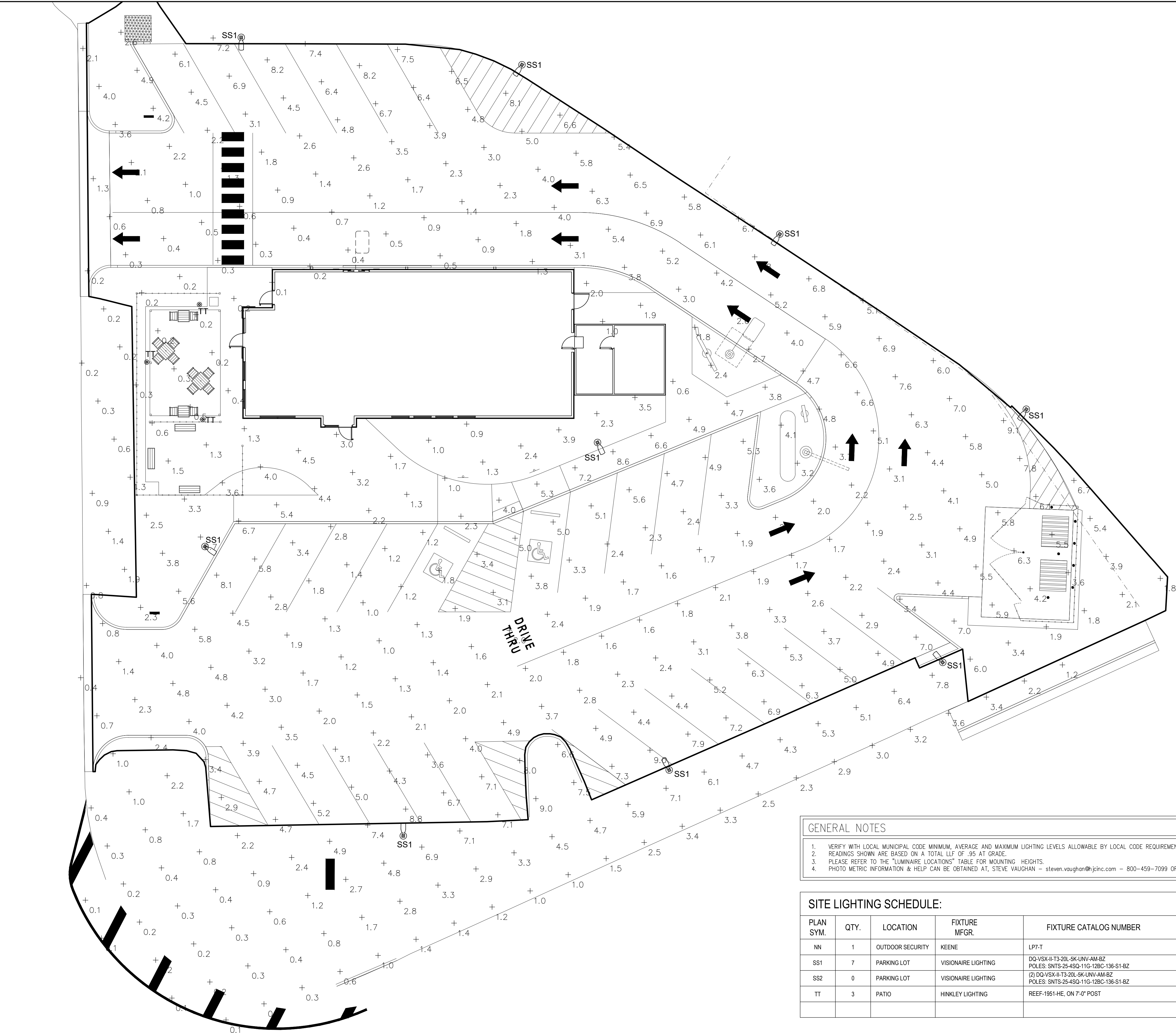
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SITE ELECTRICAL PLAN

SHEET NUMBER:
E3.1



1 SITE PHOTOMETRICS PLAN
E3.2 SCALE: 3/32" = 1'-0"

- GENERAL NOTES
1. VERIFY WITH LOCAL MUNICIPAL CODE MINIMUM, AVERAGE AND MAXIMUM LIGHTING LEVELS ALLOWABLE BY LOCAL CODE REQUIREMENTS.
 2. READINGS SHOWN ARE BASED ON A TOTAL LLF OF .95 AT GRADE.
 3. PLEASE REFER TO THE "LUMINAIRE LOCATIONS" TABLE FOR MOUNTING HEIGHTS.
 4. PHOTO METRIC INFORMATION & HELP CAN BE OBTAINED AT, STEVE VAUGHAN - steven.vaughan@jcinc.com - 800-459-7099 OR THROUGH YOUR LOCAL AGENCY.

SITE LIGHTING SCHEDULE:							
PLAN SYM.	QTY.	LOCATION	FIXTURE MFG.	FIXTURE CATALOG NUMBER	LUMENS	LIGHT LOSS	WATTAGE
NN	1	OUTDOOR SECURITY	KEENE	LP7-T	-	-	-
SS1	7	PARKING LOT	VISIONAIRE LIGHTING	DQ-VSX-II-T3-20L-5K-UNV-AM-BZ POLES: SNTS-25-45Q-11G-12BC-136-S1-BZ	19304	0.95	134
SS2	0	PARKING LOT	VISIONAIRE LIGHTING	(2) DQ-VSX-II-T3-20L-5K-UNV-AM-BZ POLES: SNTS-25-45Q-11G-12BC-136-S1-BZ	-	0.95	-
TT	3	PATIO	HINKLEY LIGHTING	REEF-1951-HE, ON 7'-0" POST	-	-	100



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ISSUE DATE: 04/23/26
REVISION DATE:
04/23/26 ORIGINAL ISSUE

SITE
PHOTOMETRIC
PLAN

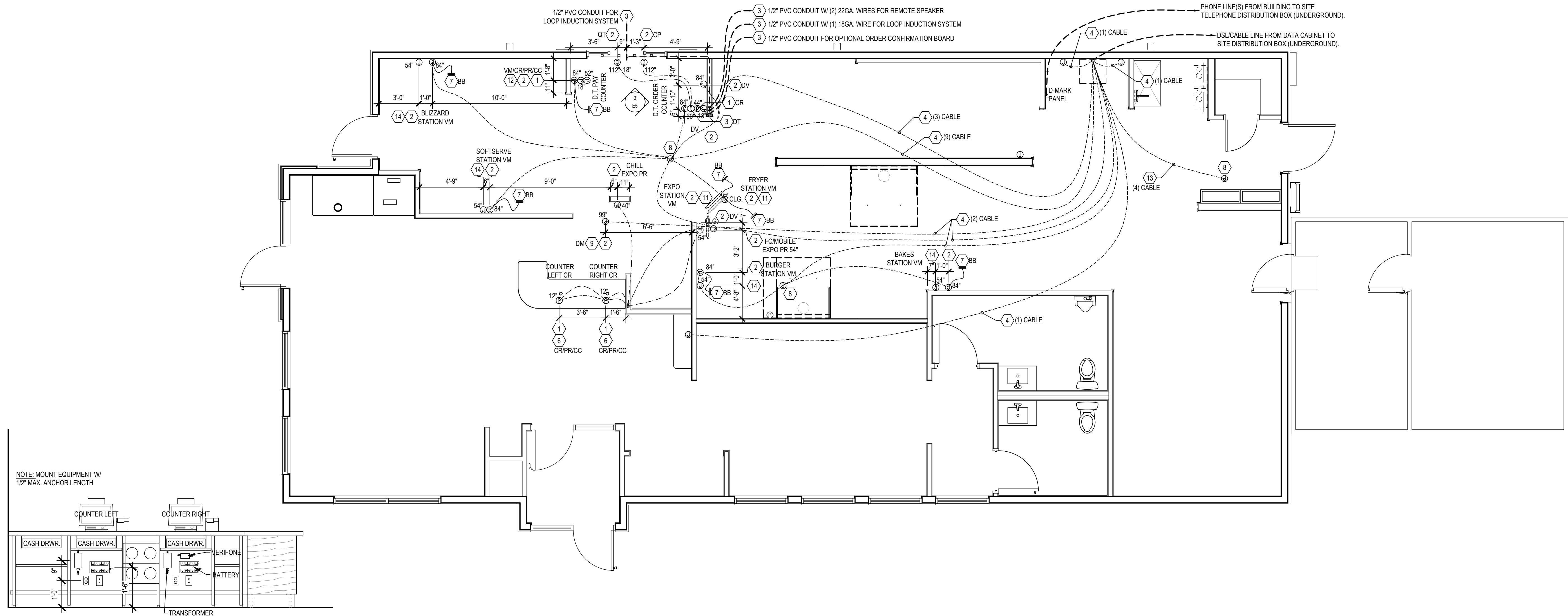
SHEET NUMBER:
E3.2

ELECTRICAL PANEL LA																
LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE B	PHASE C	PHASE A	PHASE	PHASE C	WIRE SIZE	BKR TRIP	TYPE	CKT #	LOAD SERVED	
CONVENIENCE OUTLET	1		20	#12	1200			0				20	GFCI	2	SPARE	
CONVENIENCE OUTLET	3		20	#12		1200			0					4		
HOLDING CABINET	5		20	#12			1200				180	#12	20		6	CAKE CONV. OUTLET
SPARE	7	GFCI	20		0			200				20	GFCI	8		CAKE KOPY KAT
SPARE	9	GFCI	20			0			700			#12	20	GFCI	10	CARBONATORS
BLAST FREEZER	11	GFCI	20	#12			1300				540	#12	20	GFCI	12	EXTERIOR OUTLET
WALK-IN FREEZER COMPRESSOR	13		20	#8	943			1600				#12	20	GFCI	14	BURGER BOOST OVEN
	15	#8			943			1600			#12	20		16		
	17	#8				943			1180	#12	20	GFCI	18	WORKTOP FREEZER		
WATER HEATERS	19	GFCI	20	#12	600			0					20		20	SPARE
DOOR PNL. CTRL. LIGHTS	21		20	#12		500			0				20		22	
DOOR PNL. CTRL. LIGHTS	23		20	#12			1100			200		20	GFCI	24		DESK RECEPTACLE
COOLER EVAPORATOR	25		15	#12	184			0						26		SPACE
FREEZER EVAPORATOR	27		15	#12		76			1056		#12	20		28		EXHAUST FAN EF-1
	29					76				1056	#12	20		30		EXHAUST FAN EF-2
HEAT TAPE	31	GFCI	20	#12	1000			800				20	GFCI	32		HOT HOLDING CABINET
CONVENIENCE OUTLET	33		20	#12		1200			1300		#12	20	GFCI	34		STAGING CART, DOUBLE LN
BUN TOASTER	35	GFCI	20	#12		1500				1760	#12	20		36		COOKING OIL RECYCLE TANK
PREP TABLE	37	GFCI	20	#12		1200		4440	4440		#8	45		38	ROOF TOP UNIT RTU-1	
SPARE	41	GFCI	20				0			4440	#8		40			
														42		
TOTAL VA PHASE A					5427			7040								12467
TOTAL VA PHASE B						5119			9096							14215
TOTAL VA PHASE C							6119			9356						15475
TOTAL VOLT-AMPS																42157
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE TO PHASE)								208		AMPS						203
DIVIDE AMPS BY 3 PHASE MULTIPLIER								1.732		3 PHASE AMPS						117
TOTAL CONNECTED LOAD (AMPS)																117
MAIN TYPE AND AMPERE RATING										225 AMP MAIN LUGS ONLY						
PANEL FEEDER SIZE										SEE RISER DIAGRAM						

ELECTRICAL PANEL LC																
LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE B	PHASE C	PHASE A	PHASE	PHASE C	WIRE SIZE	BKR TRIP	TYPE	CKT #	LOAD SERVED	
SOFTSERVE MACHINE UNIT B BARREL 1	1		30	#10	2000			2000			#10	30		2	SOFTSERVE MACHINE UNIT A BARREL 1	
	3				2000				2000		#10		4			
	5						2000			2000			#10	6		
SOFTSERVE MACHINE UNIT B BARREL 2	7		30	#10	2000			2000			#10	30		8	SOFTSERVE MACHINE UNIT A BARREL 2	
	9				2000				2000		#10		10			
	11						2000			2000			#10	12		
SPARE	13		20		0			0			#12	25	GFCI	14	SPARE	
ROOF TOP OUTLETS	15	GFCI	20	#12			720		0		#12	20	GFCI	16		
SPARE	17		20				0			600	#12	20	GFCI	18	DT DRINK HEAD	
SPARE	19		20		0			4440			#8	45	20	20	RTU-2 ROOF TOP UNIT #2	
SPARE	21		20			0			4440	#8	22					
SPARE	23		20				0			4440	#8	30	GFCI	24	OPTIONAL HOT WATER DISPENSER	
SPARE	25		20		0			2000			#10			26		
HAND DRYER	27		15	#12			900		2000	2000	#10	30	GFCI	28	OPTION MOBILE ORDER SIGN	
HAND DRYER	29		15	#12			900			500	#12			30		
AUTO FAUCET POWER	31		20	#12	150			0				20	30	32	SPARE	
CONVINCE RECEPTACLES	33	GFCI	20	#12			360		0	0		20	34	34	SPARE	
SPARE	35		20				0			0		20	36	36	SPARE	
WALK-IN COOLER COMPRESSOR	37		15	#10	552			4440			#8	45		38	RTU-3 ROOF TOP UNIT #3	
	39			#10		552			4440	#8	40					
	41			#10			552			4440	#8			42		
TOTAL VA PHASE A					4702			14880							19582	
TOTAL VA PHASE B						6532			14880						21412	
TOTAL VA PHASE C							5452			13980					19432	
TOTAL VOLT-AMPS															60426	
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE TO PHASE)								208	AMPS					291		
DIVIDE AMPS BY 3 PHASE MULTIPLIER								1.732	3 PHASE AMPS					168		
TOTAL CONNECTED LOAD (AMPS)														168		
MAIN TYPE AND AMPERE RATING								225 AMP MAIN LUGS ONLY								
PANEL FEEDER SIZE								SEE RISER DIAGRAM								

ELECTRICAL PANEL LE																
LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE B	PHASE C	PHASE A	PHASE	PHASE C	WIRE SIZE	BKR TRIP	TYPE	CKT #	LOAD SERVED	
EXIT/NIGHT/EMERG. LIGHTS	1	L	20	#12	180			580			#12	20		2	EXTERIOR BUILDING LIGHTING	
KITCHEN LIGHTING	3	SWD	20	#12		585			516		#12	20		4	EXTERIOR PATIO LIGHTING	
SPARE	5		20				0			630	#12	20		6	EXTERIOR BUILDING LIGHTING	
DINING ROOM LIGHTING	7	SWD	20	#12	370			300			#10	20		8	EXTERIOR PATIO LIGHTING	
DINING DECORATIVE LIGHTS	9	SWD	20	#12		300			1200		#12	20	SWD	10	EXTERIOR STRIPLIGHTS	
SPARE	11		20							0		20		12	SPARE	
RESTROOM LIGHTING/EF-3	13		20	#12	200			700			#12	20		14	EXTERIOR BUILDING SIGNS	
SPARE	15		20			0			700		#12	20		16	EXTERIOR BUILDING SIGNS	
DINING AREA LIGHTING	17	SWD	20	#12			133			1200	#12	20		18	PYLON SIGN	
SPARE	19		20		0			800			#12	20		20	EXTERIOR MENU BOARD	
HOOD LIGHTING	21		20	#12		160			200		#12	20		22	OPTION DIRECTIONAL SIGNS	
POS/COMMUNICATIONS	23	GFCI	20	#12			720			180	#12	20		24	OFFICE OUTLET	
SPARE	25		20		0			0			#12	20		26	SPARE	
POS/COMMUNICATIONS	27	GFCI	20	#12		900			180		#12	20		28	OFFICE OUTLET	
POS/COMMUNICATIONS	29	GFCI	20	#12			360			180	#12	20		30	OFFICE OUTLET	
MENU BOARD	31		20	#12	1000			0			#12	20		32	SPARE	
MENU BOARD	33		20	#12		200			180		#12	20		34	PHONE BOARD OUTLET	
DRIVE UP WINDOW	35		20	#12			500			335	#8	20		36		
FIRE CONTROL AGENT TANK	37		20	#12	500			335			#8	38		38	SITE LIGHTING	
	39			#12		700			218		#8	20		40		
EXPEDITER	41	GFCI	20	#12			700			218	#8	20		42	SITE LIGHTING	
TOTAL VA PHASE A					2250			2715							4965	
TOTAL VA PHASE B						2845			3194						6039	
TOTAL VA PHASE C							2413			2743					5156	
TOTAL VOLT-AMPS															16160	
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE TO PHASE)								208	AMPS				78			
DIVIDE AMPS BY 3 PHASE MULTIPLIER								1.732	3 PHASE AMPS				45			
TOTAL CONNECTED LOAD (AMPS)													45			
MAIN TYPE AND AMPERE RATING								225 AMP MAIN LUGS ONLY								
PANEL FEEDER SIZE								SEE RISER DIAGRAM								

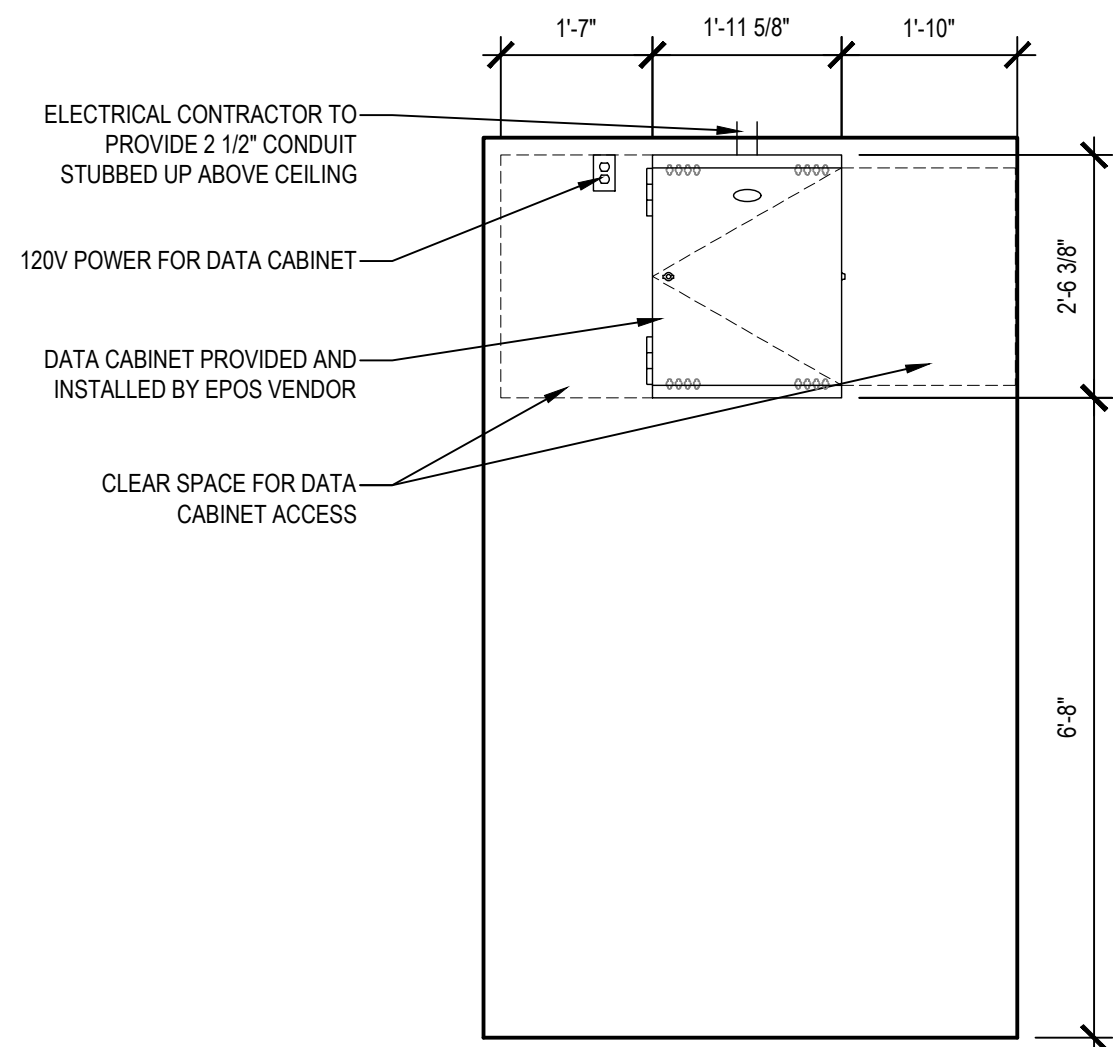
ELECTRICAL PANEL LB																
LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE B	PHASE C	PHASE A	PHASE	PHASE C	WIRE SIZE	BKR TRIP	TYPE	CKT #	LOAD SERVED	
C.O./ OPTIONAL BLENDER	1		15	#12	1380			1700			#12	20		2	D.T. TEA DISPENSOR	
SPARE	3		20	#12		0			200		#12	20	GFCI	4	RECIPCE TABLE	
STAGING CART, SINGLE LN.	5	GFCI	20	#12			700			1500	#12	20		6	OPTIONAL COFFEE BREWER	
FRY STATION TOASTER	7	GFCI	30	#12	1510			1500			#12	20	GFCI	8		
CAKE DISPLAY FREEZER	9		20	#12		1510	1610			180	#12	20	GFCI	10	FRY DUMP	
DEEPWELL FREEZER	13		20	#12	200					0		20		12	SPARE	
BLIZZARD TOPPING CABINET	15	GFCI	20	#12		1500			0		#12	20		14	SPARE	
GRAVY PUMP	17	GFCI	20	#12			500			0	#6	50	ST	16	SHUNT TRIP MODULE	
CONVENIENCE OUTLET	19	GFCI	20	#12	500			4200			#6			18	TWO-SIDED GRILL	
TREATS TOPPING CABINET	21	GFCI	20	#12		1500		4200			#6			20		
HOT FUDGE PUMP	23	GFCI	20	#12			500			0				22	SHUNT TRIP MODULE	
CONE DIP	25		20	#12	600			4200			#6			24	TWO-SIDED GRILL	
HOT FUDGE PUMP	27		20	#12		500	1700		4200		#6	50	ST	26		
BLIZZARD MACHINE	29		20	#12						4200	#6			28		
BLIZZARD MACHINE	31		20	#12	1700			0			#6			30	SHUNT TRIP MODULE	
BLIZZARD MACHINE	33		20	#12	1700				360		#12	20		32		
DINING DRINK HEAD	35		20	#12		600				1400	#12	20	GFCI	34	DINING CONV. OUTLETS	
DINING TEA DISPENSER	37		20	#12	500			0				20		36	OPTIONAL FRY DISPENSER	
ICE MAKER WATER FILTER	39		20	#12		30			1600		#12	20		38	SPARE	
CONVENIENCE OUTLET	41		15	#12			180			1600	#12	20	GFCI	40	PREP BOOST OVEN	
														42		
TOTAL VA PHASE A					6390			11600							17990	
TOTAL VA PHASE B						6740			10740						17480	
TOTAL VA PHASE C							5790			12900					18690	
TOTAL VOLT-AMPS															54160	
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE TO PHASE)								208		AMPS		260				
DIVIDE AMPS BY 3 PHASE MULTIPLIER								1.732		3 PHASE AMPS		150				
TOTAL CONNECTED LOAD (AMPS)																150
MAIN TYPE AND AMPERE RATING								225 AMP MAIN LUGS ONLY								
PANEL FEEDER SIZE								SEE RISER DIAGRAM								



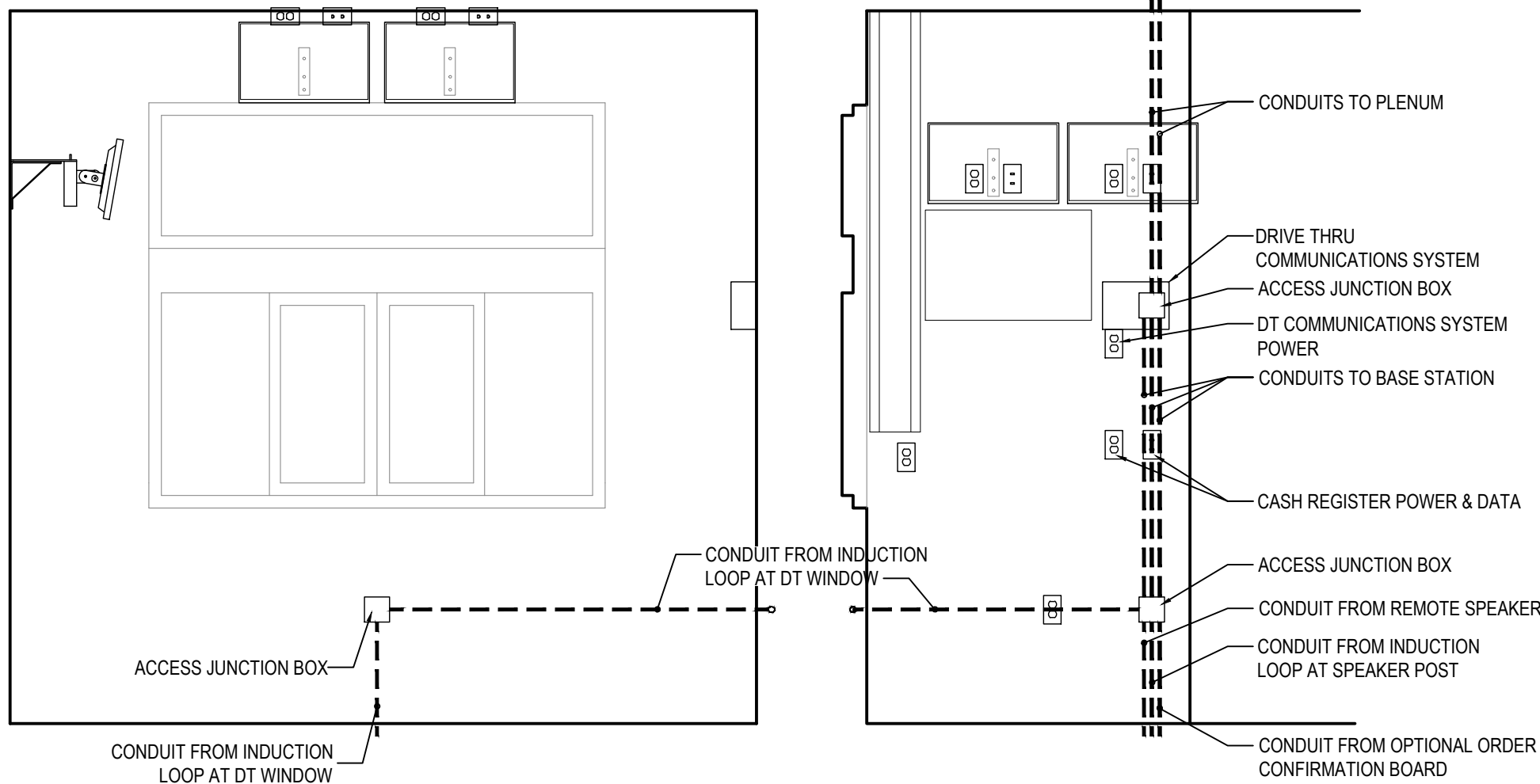
FRONT COUNTER EPOS LAYOUT

1 EPOS PLAN
E5 SCALE: 1/4" = 1'-0"

THIS PLAN WAS DEVELOPED USING THE
NATIONAL ELECTRICAL CODE 2017



2 ELECTRONIC HARDWARE CABINET ELEV.
E5 SCALE: 1/2" = 1'-0"



3 DT BASE STATION/LOOP ELEVATIONS
E5 SCALE: 1/2" = 1'-0"

FIXTURE LEGEND

SYM	DESCRIPTION
CR	CASH REGISTER
VM	VIDEO MONITOR
J	JUNCTION BOX (SINGLE GANG)
PR	RECEIPT PRINTER
QT	DRIVE-THRU TIMER
DM	DIGITAL MENU BOARDS
BB	VIDEO MONITOR BUMP BAR
DT	DRIVE THRU COMMUNICATIONS SYSTEM
DV	DRIVE-THRU VIDEO MONITOR
CC	CREDIT CARD READER
CP	COMPETITION

CONDUIT/CABLE SIZE CHART

SYM	DESCRIPTION
1/2"	(1) OR (2) CAT 6 CABLES
3/4"	(3) OR (4) CAT 6 CABLES
1"	(5) OR (6) CAT 6 CABLES
1 1/4"	(7) OR (8) CAT 6 CABLES

GENERAL NOTES

- ALL CAT 6 CABLE TO BE PROVIDED AND INSTALLED BY EPOS VENDOR, SEE NATIONAL VENDORS LIST FOR CONTACT INFORMATION. COORDINATE INSTALLATION AND FIXTURES WITH EPOS VENDOR OR BY CONTRACTOR CHOSEN BY FRANCHISEE.
- CABLING AND FIXTURES TO BE SCHEDULED AT END OF EQUIPMENT INSTALLATION TIME FRAME.
- THE ELECTRICAL CONTRACTOR TO PROVIDE ALL CUTTING, TRENCHING, BACK FILLING, AND PATCHING AS MAY BE REQUIRED AND SHALL BE INCLUDED AS PART OF THE ELECTRICAL CONTRACTORS WORK.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED CONDUIT, PULL BOXES, JUNCTION BOXES AND PULL STRINGS. ANY QUESTIONS REGARDING LOCATIONS OF JUNCTION BOXES TO BE DIRECTED TO ADQ ARCHITECTURE/CONSTRUCTION DEPARTMENT.
- VERIFY IF LOCAL CODES REQUIRE A LOW VOLTAGE PERMIT.

KEY NOTES

NOTE: THIS IS A PROTOTYPICAL SCHEDULE. ALL NOTES MAY NOT BE USED.

- ALL MONITOR AND TERMINAL LOCATIONS WILL REQUIRE IN-WALL JUNCTION BOX WITH CONDUIT STUBBED INTO THE CEILING SPACE AND A MINIMUM OF FIVE FEET OF EXCESS CABLE AT EACH END OF RUN. 1 1/2" GROMMETS AT INITIAL CASH REGISTER LOCATIONS AS REQUIRED.
- THESE MONITORS AND TERMINALS WILL NEED A MINIMUM OF TWO FEET EXCESS CABLE AT EACH END OF RUN.
- PROVIDE UNDERGROUND CONDUIT SIZED AS REQUIRED FROM DRIVE-THRU EQUIPMENT TO THE DRIVE THRU COMMUNICATIONS SYSTEM. SEE SHEET A1.2 & ELEVATIONS 3/E5
- CONDUIT TO BE RUN ABOVE CEILING AND DOWN INSIDE WALL TO JUNCTION BOX.
- CONDUIT TO BE RUN BELOW SLAB AND UP THROUGH FLOOR TO JUNCTION BOX.
- CONDUIT TO BE RUN THROUGH COUNTER BASE CABINET AFTER COUNTER INSTALLATION.
- RUN CABLING DOWN FROM CEILING AT BUMP BAR LOCATION(S).
- MOUNT JUNCTION BOX ABOVE CEILING.
- MENU BOARD JUNCTION BOX TO BE INSTALLED BETWEEN IN WALL BLOCKING. SEE SHEET A6.1
- RUN CABLING FROM CEILING TO TERMINAL LOCATION
- POLE MOUNTED KITCHEN MONITOR, MOUNTING HARDWARE PROVIDED BY EPOS VENDOR AND INSTALLED BY G.C.
- PROVIDE (1) REDUNDANT HOME RUN CABLE TO CASH REGISTER.
- CONDUIT TO BE RUN ABOVE CEILING AND INSIDE WALL TO EXTERIOR JUNCTION BOX FOR DRIVE-THRU CAMERAS.
- PROVIDE JUNCTION BOX WITH CONDUIT RUN INSIDE WALL STUBBED OUT ABOVE CEILING FOR FUTURE EPOS EQUIPMENT

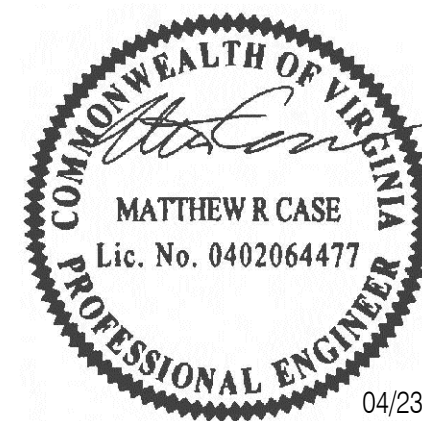
NEW BUILDING FOR:



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MINNEAPOLIS, MN U.S.A.
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CASE
Engineering Inc.

796 Meris Court
St. Louis, MO 63026
T 636.349.1600
F 636.349.1730
CERTIFICATE OF AUTHORITY NO. 0407007501



VIRGINIA ENGINEER LICENSE NUMBER
0402064477

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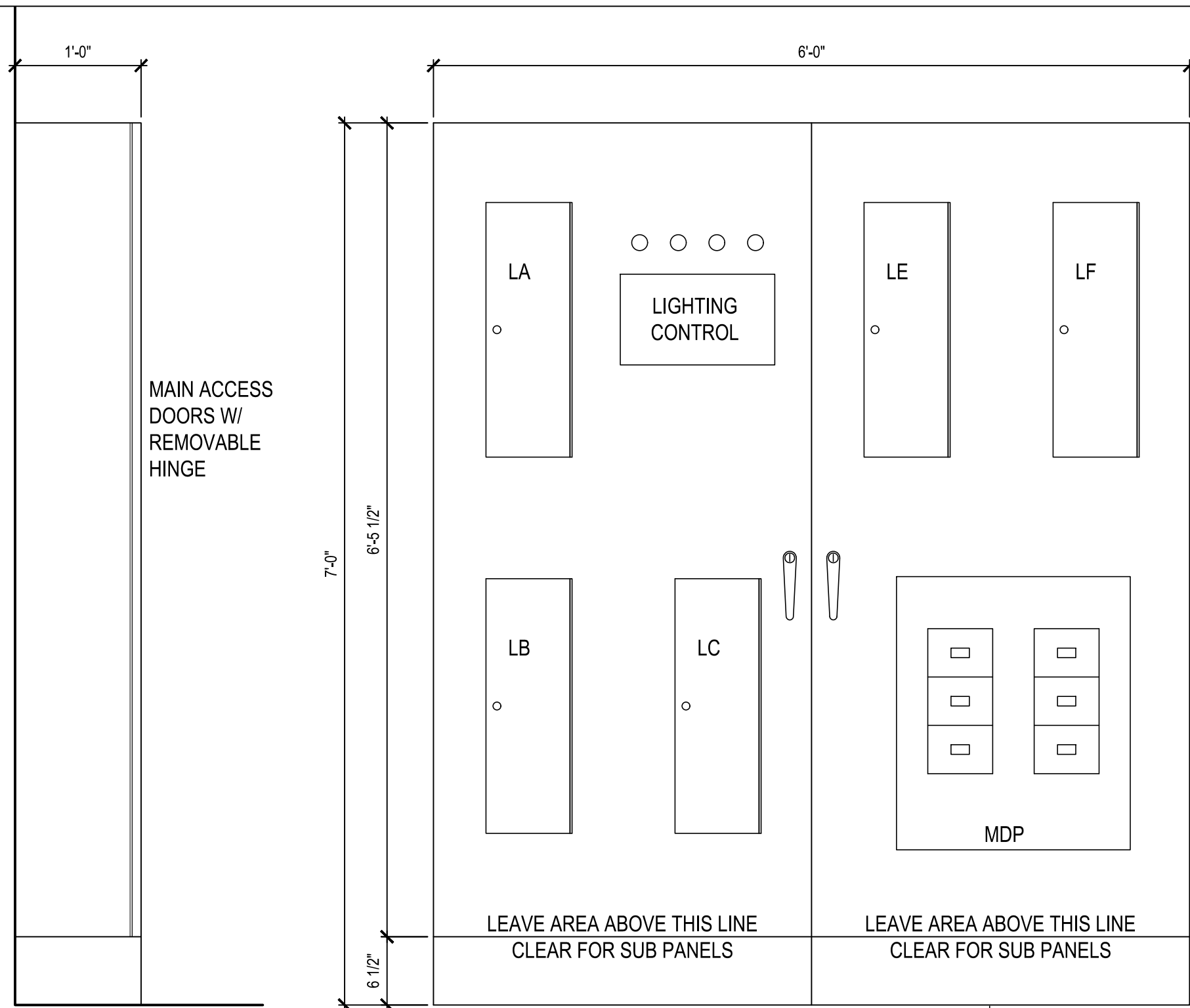
ISSUE DATE: 04/23/26

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EPOS PLAN

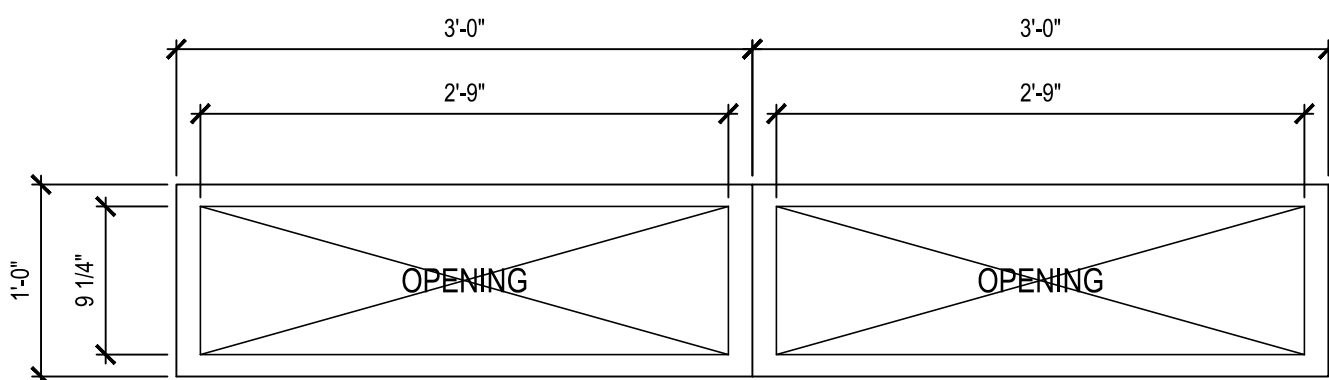
SHEET NUMBER:

E5



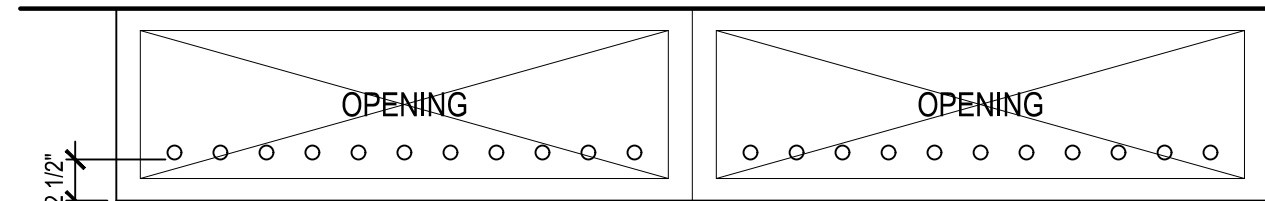
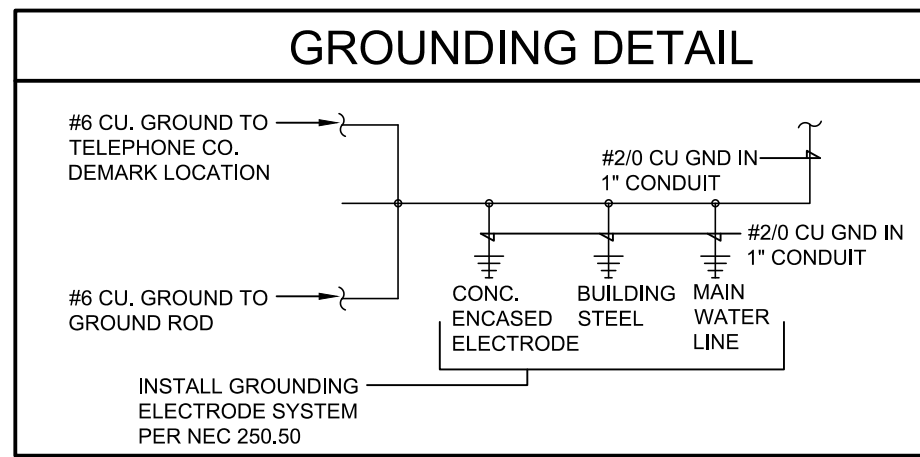
SIDE VIEW

FRONT VIEW

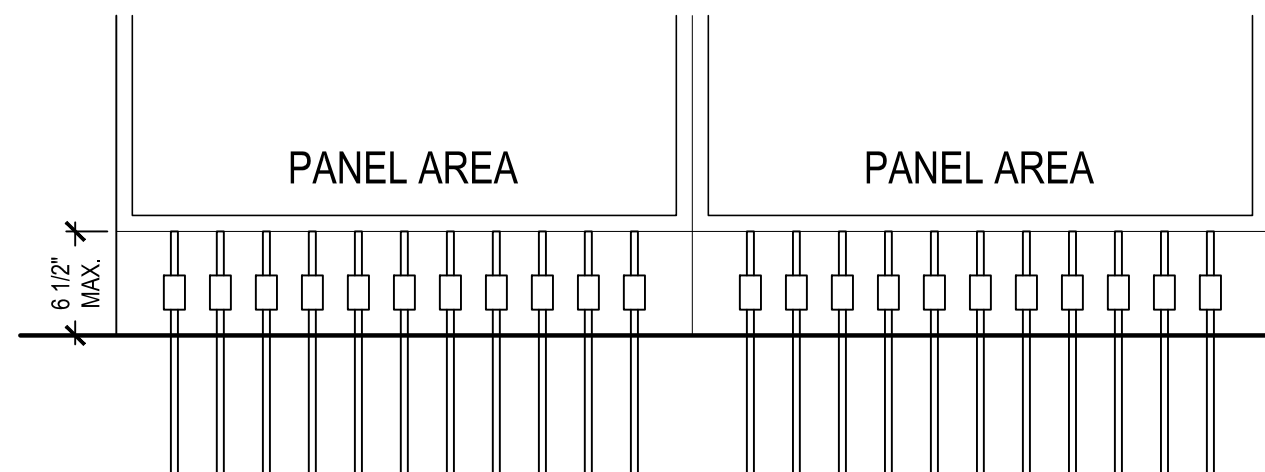


SECTION/PLAN VIEW

CAUTION - SERIES COMBINATION SYSTEM
RATED 65,000 AMPERES. IDENTIFIED
REPLACEMENT COMPONENTS REQUIRED.



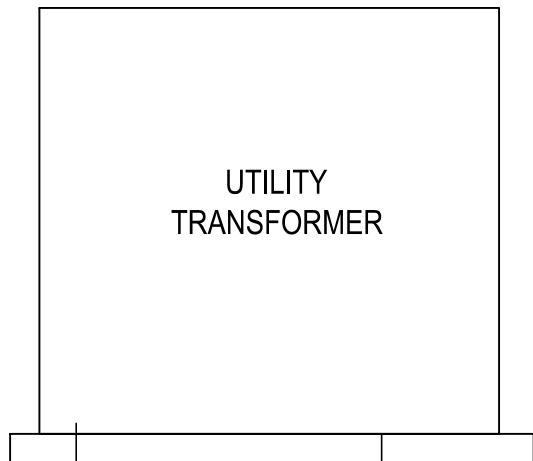
UNDER SLAB STUB UP LOCATION PLAN



UNDER SLAB STUB UP LOCATION ELEV./SECT.

EC TO PROVIDE WEATHERPROOF, 600 AMP, 120/208 VOLT
SERVICE SWITCH WITH 600 AMP FUSES ON EXTERIOR OF
BUILDING ADJACENT TO METER

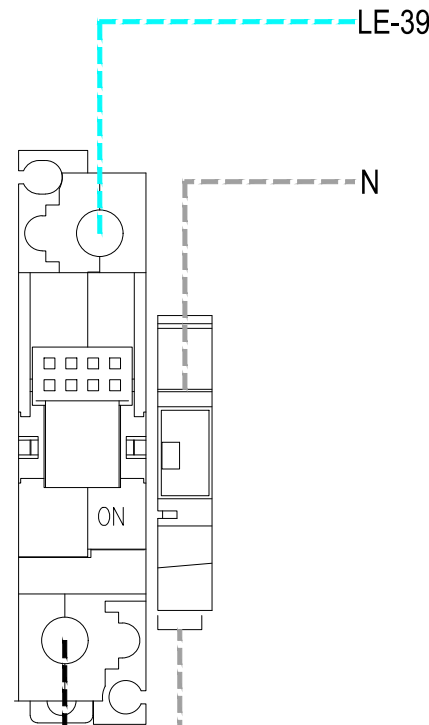
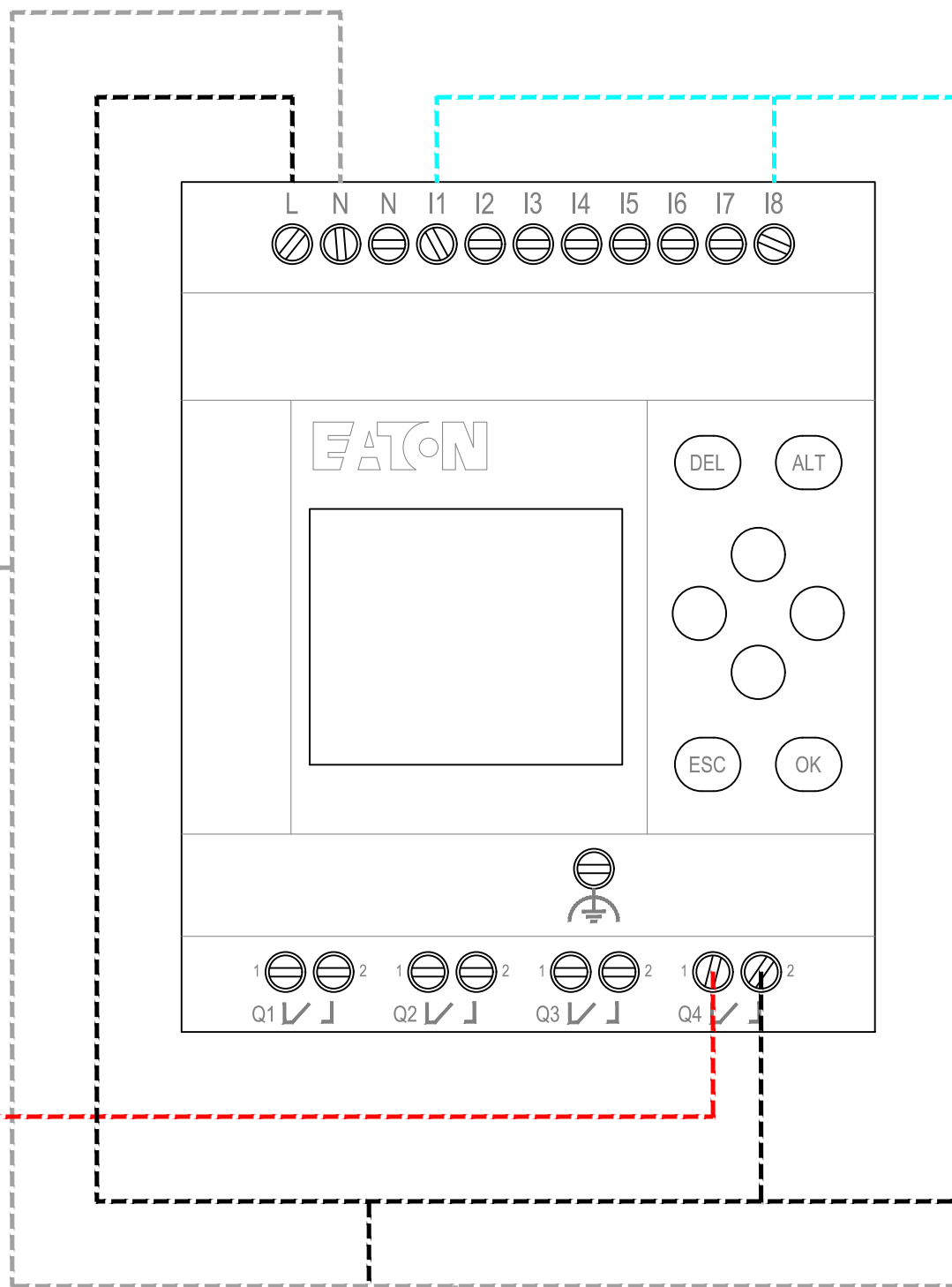
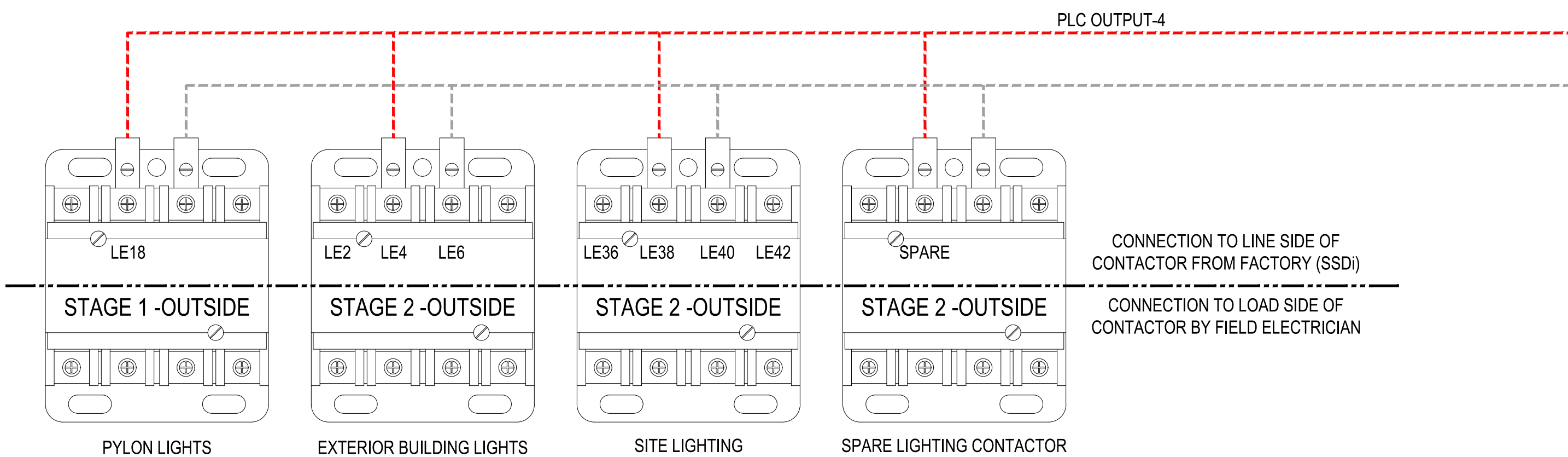
EC TO PROVIDE C/T CABINET
WITH METER SOCKET AS
DIRECTED BY LOCAL UTILITY



PRIMARY CONDUIT TO FROM
TRANSFORMER TO UTILITY POLE
BY CONTRACTOR

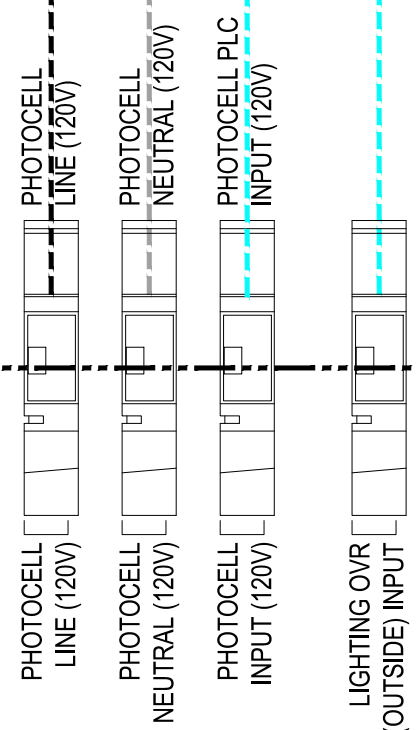
TWO SETS OF (4) 350KCMIL-CU AND
(1)#1-CU GROUND IN TWO 3" CONDUITS
EXTERIOR SERVICE SWITCH, BY EC

TWO SETS OF (4) 350KCMIL-CU IN
TWO 3" CONDUITS
EC TO PROVIDE #2/0-CU
GROUNDING ELECTRODE
SYSTEM PER NEC 250.50



CONTRACTOR NOTE:
EQUIPMENT CONDUCTORS
TO BE SIZED ACCORDING TO
THE PANEL SCHEDULE

CONNECTION TO LINE SIDE OF
CONTACTOR FROM FACTORY (SSDi)
CONNECTION TO LOAD SIDE OF
CONTACTOR BY FIELD ELECTRICIAN



SSDi
Space Saver Distribution, Inc.
P.O. Box 31380
Las Vegas, Nevada 89173

UL LISTED

NEW BUILDING FOR:



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indemnify and hold the design professional harmless from any
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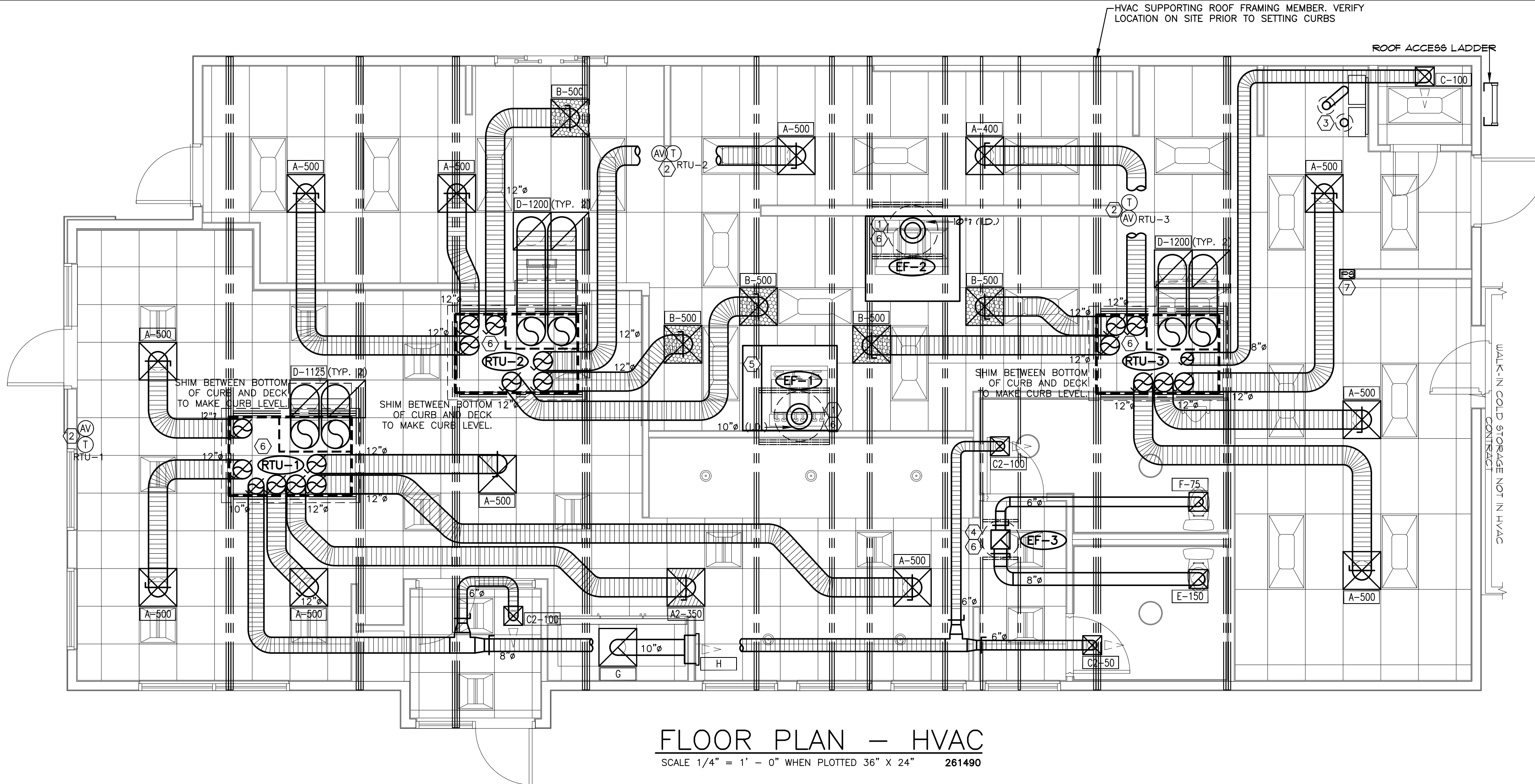
04/23/26 ORIGINAL ISSUE



CABINET LAYOUT
& LIGHTING
CONTROL

SHEET NUMBER:

E6



FLOOR PLAN - HVAC
SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24" 261490

PLENUMIZED CURB INSTALLATION NOTES

- CAREFULLY LOCATE AND MARK ROOF CURB LOCATIONS SO THAT DUCT WORK CAN BE INSTALLED IN THE APPROXIMATE LOCATIONS AS SHOWN BY THE FLOOR PLAN. PAY ATTENTION TO THE LOCATION OF THE ROOF STRUCTURE IN ORDER TO ACCOMMODATE THE DUCT DROPS.
- MARK THE EXACT LOCATION OF EACH ROOF CURB. LAY OUT ALL EQUIPMENT LOCATIONS IN ORDER TO MAINTAIN PROPER CLEARANCES FROM EXHAUST FANS AND VENTS AS WELL AS PROVIDING FOR PROPER SERVICE CLEARANCES.
- GENERAL CONTRACTOR SHALL CUT ROOF DECKING MATERIAL TAKING CARE TO AVOID CUTTING ANY STRUCTURAL COMPONENTS. GENERAL CONTRACTOR SHALL ALSO INSTALL ANY NECESSARY FRAMING OR BLOCKING AT OPENINGS.
- WITH ROOF CURB UPSIDE DOWN (SOLID METAL BOTTOM UP) MEASURE AND MARK THE LOCATION OF ANY JOISTS OR OTHER FRAMING MEMBERS THAT MUST BE AVOIDED. MEASURE AND MARK THE LOCATION OF ALL THE DUCT TAPS.
- CUT ALL DUCT TAPS INTO THE BOTTOM PANEL OF THE ROOF CURB. BE CAREFUL NOT TO DAMAGE THE ROOFING SURFACE WHILE MAKING THESE CUTS.
- INSTALL DUCT TAP FITTINGS AND MANUAL DAMPERS INTO THE OPENINGS PREVIOUSLY CUT. SEAL ALL CONNECTIONS ON BOTH THE BOTTOM AND THE TOP SIDES OF THE TAPS.
- FLATTEN TAB OF START COLLAR INSIDE CURB, TIGHT AGAINST INSULATION. SEAL INSIDE OF COLLAR AND TABS TO INSULATION USING MASTIC DUCT SEALER. ALLOW SEALER TO DRY PRIOR TO PROCEEDING.
- APPLY DUCT SEALER TO OPEN END OF COLLAR. SLIDE INNER CORE OF FLEXIBLE DUCT ONTO COLLAR, AND CONNECT PANDUIT STRAP PER MANUFACTURERS INSTRUCTIONS.
- SLIDE OUTER INSULATION SLEEVE OF FLEX TIGHT TO BOTTOM OF CURB. SEAL INSULATION TO BOTTOM OF CURB WITH PRESSURE-SENSITIVE FOIL TAPE. DO NOT USE TAPE MEANT FOR RIGID DUCTBOARD. SQUEEGEE OUT ALL AIR BUBBLES FOR PROPER ADHESION.
- TURN CURB RIGHT SIDE UP. LEVEL CURB BETWEEN BOTTOM OF CURB AND DECK, INSTALL IN ROOF OPENING. SECURE CURB TO ROOF FRAMING AS REQUIRED.
- GENERAL CONTRACTOR OR ROOFING CONTRACTOR SHALL FLASH AND ROOF IN THE CURB AS DETAILED ON THE DRAWINGS.
- INSIDE BUILDING, THE DUCT RUNS SHALL BE INSTALLED FROM THE TAPS TO THE DIFFUSER LOCATIONS AS SHOWN ON THE PLANS. SUPPORT PER SMACNA AND LOCAL CODES.
- NOTE: IF NECESSARY, FLEX DROPS MAY BE CONNECTED TO TAPS AFTER CURB HAS BEEN INSTALLED. REFER TO STEPS #8 AND #9.

AIR DEVICE SCHEDULE								
SYM.	SIZE	TYPE	DUCT SIZE	MODEL#	FINISH	ROOF SIZE	OPENING SIZE	QTY.
A*	24X24	SUPPLY 4 WAY	12"	NCA12	WHITE	12"x	T-BAR	12
A2*	24X24	SUPPLY 2 WAY	12"	NCA12-2P	WHITE	12"x	T-BAR	1
A3*	24X24	SUPPLY 3 WAY	12"	NCA12-3	WHITE	12"x	T-BAR	0
B**	24X24	SUPPLY PERF.	12"	APDDR-2222	WHITE	12"x	T-BAR	5
C***	12X12	SUPPLY 1 WAY	8"	630	WHITE	12X12	SIZE + 1/4"	1
C2***	12X12	SUPPLY 1 WAY	6"	630	WHITE	12X12	SIZE + 1/4"	3
D	24X24	RETURN	18"	630TB	WHITE	22X22	T-BAR	6
E	12X12	EXHAUST	8"	630	WHITE	12X12	SIZE + 1/4"	1
F	12X12	EXHAUST	6"	630	WHITE	12X12	SIZE + 1/4"	1
G****	24X24	EXHAUST	10"	630TB	WHITE	22X22	T-BAR	1
H****	18X12	EXHAUST	10"	630	WHITE	18X12	SIZE + 1/4"	1
ALL INTERIOR AIR DEVICES MANUFACTURED BY PRICE OR EQUAL BY NCA AND 100% ALUMINUM CONSTRUCTION								
* PROVIDE WITH PVC99 SLIDING-BLADE DAMPER								
** PROVIDE WITH FIVE 14"x-10-12" REDUCERS FOR TOPS OF DIFFUSERS								
*** PROVIDE WITH OPPOSED-BLADE DAMPER								
**** PROVIDE 'G' WITH 24X24 LAY-IN FRAME IF NEEDED. PENETRATIONS BY GC - VIF								

AIR BALANCE SCHEDULE						
TAG	SUPPLY AIR	OUTSIDE AIR	RETURN AIR	EXHAUST AIR	BLDG. PRESSURE	% OUTSIDE AIR
RTU-1	3000 CFM	750 CFM	2250 CFM	---	+ 750 CFM	25
RTU-2	3000 CFM	600 CFM	2400 CFM	---	+ 600 CFM	20
RTU-3	3000 CFM	600 CFM	2400 CFM	---	+ 600 CFM	20
EF-1	---	---	---	800 CFM	- 800 CFM	---
EF-2	---	---	---	800 CFM	- 800 CFM	---
EF-3	---	---	---	225 CFM	- 225 CFM	---
TOTAL	9000 CFM	1950 CFM	7050 CFM	1825 CFM	+ 125 CFM	22

FAN SCHEDULE			
UNIT NUMBER	EF-1	EF-2	EF-3
AREA SERVED	HOOD-1	HOOD-2	RESTROOMS
MANUFACTURER	CAPTIVE AIRE	CAPTIVE AIRE	CAPTIVE AIRE
MODEL	DUS0HFA	DUS0HFA	DR10HFA
CFM	800	800	225
STATIC PRESSURE, "WG	0.75	0.75	0.25
FAN HORSEPOWER	0.50	0.50	0.06
DRIVE	DIRECT	DIRECT	DIRECT
RPM	1284	1284	1154
ELECTRICAL V/ø/HZ	120/1/60	120/1/60	120/1/60
NCA CURB LXXHX	19.5X19.5X24	19.5X19.5X24	17.5X17.5X12
ACCESSORIES	B,D,E,F,J,K,L,M	B,D,E,F,J,K,L,M	A,B,D,E,G,H,L,M
NOTES/ACCESSORIES A. ALUMINIZED BIRDSCREEN B. SAFETY DISCONNECT SWITCH C. GRAVITY BACKDRAFT DAMPER D. ANCA SEAL & U.L. CERTIFIED E. SPEED CONTROL F. PREFABRICATED ROOF CURB G. INTERLOCK WITH SALES FLOOR LIGHTS H. 12" HIGH PREFABRICATED ROOF CURB J. INTERLOCKED BY ELECTRICAL CONTRACTOR PER NFPA AND LOCAL CODES K. REFER TO KITCHEN BALANCE SCHEDULE L. ENSURE 10' - 0" MINIMUM CLEARANCE FROM AIR INTAKES M. COORDINATE WITH MANUFACTURER FOR FINAL SELECTION P. PROVIDE WITH 'WINDBAND' EXTENSION TO REDUCE CLEARANCE TO RTUS			

PACKAGE ROOFTOP A/C UNIT SCHEDULE (RTU-1,2,3)	
TAG	RTU-1,2,3
MANUFACTURER	CARRIER
MODEL	48FCZ08 (7.5 TON)
LOCATION CURB DIMENSIONS	ROOF 78" X 50"
TYPE OF HEAT	NATURAL GAS
TOTAL COOLING CAPACITY, MBTU/HR	93.4
SENSIBLE COOLING CAPACITY, MBTU/HR	71.1
ENTERING AIR CONDITIONS, DB°/WB°	80/67
AMBIENT AIR DB TEMPERATURE, °F	95
SUPPLY AIR, CFM	3000
OUTSIDE AIR, CFM	SEE SCHEDULE
EXTERNAL STATIC PRESSURE, "WG	0.75
BHP - MEDIUM STATIC MOTOR	2.4
I.E.E.R.	15.0 (I.E.E.R.)
GAS INPUT MBTU/HR	120/180
GAS OUTPUT MBTU/HR	98/148
UNIT WEIGHT, LBS.	950
ELECTRICAL REQUIREMENT, V/PHASE/HZ	208-230/3/60
MINIMUM CIRCUIT AMPERAGE	37
MAXIMUM OVER CURRENT PROTECTION	45
ACCESSORIES: 1. 100% ECONOMISER WITH BAROMETRIC RELIEF 2. NCA PLENUMIZED CURB. TO ORDER CALL TOLL-FREE (877) 530-0078 OR EMAIL MARKETING@NCACONSULTANTS.COM 3. ONE YEAR COMPLETE PARTS AND LABOR WARRANTY 4. ADDITIONAL FOUR YEAR PARTS WARRANTY COVERING COMPRESSORS 5. SMOKE DETECTOR (SEE HVAC ROOF PLAN, SHEET M-2) 6. AQUAMOR AQ-5180E MOISTURE SENSOR FOR PRIMARY PAN 7. LP CONVERSION KIT FOR GAS HEAT FURNACE SECTION NOTE: COORDINATE RTU PLACEMENT ON SITE PRIOR TO SETTING EQUIPMENT. IF ADJUSTMENT IS NECESSARY MAINTAIN FRESH AIR INTAKE CLEARANCES	

ATTENTION GENERAL CONTRACTOR:
"RE-ENGINEERING" DEVIATIONS FROM THE SHOWN DESIGN AND REQUIRED HVAC EQUIPMENT MUST BE APPROVED IN ADVANCE BY THE ARCHITECT AND PROFESSIONAL ENGINEER. UNAUTHORIZED SUBSTITUTIONS OR ALTERATIONS WILL VOID THE SIGNATURE AND SEAL OF THE PROFESSIONAL ENGINEER AND LEAVE VIOLATORS RESPONSIBLE FOR RESUBMISSION OF SIGNED AND SEALED DRAWINGS.

DRAWING INFORMATION		
DATE	DESCRIPTION	BY
04-03-26	FOR CONSTRUCTION	KM
04-08-26	UPDATED	KM

CONTRACTORS NOTES

- HVAC CONTRACTOR
- THE HVAC CONTRACTOR IS TO FURNISH AND INSTALL THE HOOD, ROOF-TOP UNITS, EXHAUST FANS, DUCTWORK, INSULATION WRAP, DIFFUSERS, SMOKE DETECTORS, AND TEMPERATURE CONTROLS.
 - THE HVAC CONTRACTOR IS TO VERIFY LOCATIONS FOR EF-1 AND THE HOOD ON SITE FROM MOST-RECENT KITCHEN EQUIPMENT PLANS. ALL FANS ARE TO BE UL LISTED. **SEE KEYED NOTE #1, THIS SHEET.**
 - HVAC EQUIPMENT CURBS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR.
 - RTU CURBS ARE TO BE FABRICATED FROM 18 GA. GALVANIZED METAL WITH FULLY WELDED SEAMS, WATER TIGHT AND INTERNALLY INSULATED. FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED.
 - SHIMS ARE TO BE PROVIDED BY HVAC CONTRACTOR BETWEEN THE ROOF DECK AND THE CURBS TO COMPENSATE FOR ROOF PITCH.
 - ALL FLEX DUCT IS TO BE U.L. LISTED, R-6, FOIL-BACKED, CLASSIFIED AS A CLASS 1 AIR DUCT. MAXIMUM LENGTH PER LOCAL CODE.
 - ALL METAL DUCT AND AIR DISTRIBUTION DEVICES ARE TO BE INSULATED WITH R-6, 2" X .75 DENSITY FOIL-BACKED INSULATION, WITH FIRE AND SMOKE RATING [25]-[50].
 - ALL DUCTWORK IS TO BE INDEPENDENTLY HUNG FROM STRUCTURAL MEMBERS.
 - ALL DUCTWORK IS TO BE FABRICATED, INSTALLED, SEALED, AND EXTERNALLY INSULATED PER SMACNA LOW-VELOCITY DUCT MANUAL (LATEST ISSUE). **INTERNALLY UNED DUCTWORK IS NOT ALLOWED.**
 - UNLESS OTHERWISE NOTED, ALL SUPPLY TAKEOFFS ARE TO HAVE A MANUAL VOLUME CONTROL DAMPER.
 - THE HVAC CONTRACTOR IS TO COORDINATE DIFFUSER LOCATIONS ON SITE WITH THE MOST RECENT REFLECTED CEILING PLAN.
 - THE HVAC CONTRACTOR IS TO FURNISH A WRITTEN GUARANTEE COVERING A ONE-YEAR PERIOD FOR ALL HVAC EQUIPMENT AND PROVIDE AN ADDITIONAL FOUR-YEAR PERIOD FOR THE COMPRESSORS IN THE RTUS. ALL FANS TO BE U.L. LISTED.
 - UPON COMPLETION OF PROJECT THE HVAC CONTRACTOR IS TO HIRE AN A.A.B.C. OR N.E.B.B. CERTIFIED, INDEPENDENT TEST AND BALANCE COMPANY TO CONDUCT A COMPLETE, CERTIFIED TEST AND BALANCE OF ALL HVAC EQUIPMENT. PROVIDE A WRITTEN REPORT TO NCA CONSULTANTS. ALL CAPACITIES MUST BE SET TO AMOUNTS INDICATED ON THE FLOOR PLANS AND SCHEDULES.
 - THE HVAC CONTRACTOR IS TO MAKE ALL LOW-VOLTAGE WIRING FINAL CONNECTIONS FOR ALL HVAC EQUIPMENT INCLUDING TEMPERATURE CONTROLS, RTUS, AND SMOKE DETECTORS.
 - THE HVAC INSTALLER SHALL VISIT THE JOB SITE PRIOR TO ORDERING HVAC EQUIPMENT AND COMPONENTS TO ENSURE FEASIBILITY OF DESIGN SHOWN, AND IMMEDIATELY INFORM NCA CONSULTANTS IN EMAIL OF ANY POTENTIAL CONFLICTS, PROBLEMS, AND QUESTIONS.

- GENERAL CONTRACTOR
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECEIVE, OFFLOAD, AND STORE ALL HVAC MATERIALS WHICH ARRIVE AT THE JOB SITE. ALL MATERIAL MUST BE STORED INSIDE THE BUILDING. **HOOD MUST BE STORED IN THE KITCHEN.**
 - IT IS VERY IMPORTANT THAT ACCURATE MEASUREMENTS ARE USED WHEN LOCATING EXHAUST FAN ROOF OPENING. COORDINATE ROOF OPENINGS WITH THE KITCHEN EQUIPMENT PLAN AND EXHAUST HOOD PLANS. OBTAIN THE CORRECT PLANS FROM THE KITCHEN EQUIPMENT SUPPLIER.
 - RTU ROOF OPENING SIZES AND ROOF CURBS ARE BASED ON EQUIPMENT SHOWN. IF OTHER EQUIPMENT IS USED, VERIFY ROOF OPENING REQUIREMENTS. MAKE PENETRATION AS NEEDED FOR INSTALLATION OF NEW CURB AND RTU. COORDINATE ON SITE WITH HVAC CONTRACTOR. **ENSURE THAT ROOFING MATERIAL DOES NOT COVER THE TOP OF ANY HVAC EQUIPMENT CURB.**
 - ALL ROOF, CEILING, WALL, AND STRUCTURAL FRAMING REQUIRED FOR UNIT, FAN, DUCT, DIFFUSER, AND ALL OTHER HVAC WORK IS TO BE BY THE G.C. COORDINATE ON SITE WITH HVAC CONTRACTOR. GENERAL CONTRACTOR IS TO PROVIDE ANY SCREENING, GUARD RAILS, ETC. FOR ROOF-MOUNTED HVAC EQUIPMENT PER IBC AND LOCAL CODES. **ANY REQUIRED PAINTING OF HVAC WORK IS TO BE BY THE GENERAL CONTRACTOR.**
 - IF NECESSARY THE GENERAL CONTRACTOR IS TO REMOVE, REPLACE, AND/OR REPAIR CEILING GRID AND TILES IN ORDER FOR THE HVAC WORK TO BE PERFORMED.

- ELECTRICAL CONTRACTOR
- THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL PITCH POCKETS FOR POWER AND CONTROL WIRING, AND IS TO MAINTAIN 12" MINIMUM CLEARANCE FROM BACK PANEL OF AIR CONDITIONING UNITS. DO NOT PENETRATE BOTTOM OF RTU CURB.
 - THE ELECTRICAL CONTRACTOR IS TO INSTALL LOW-VOLTAGE CONTROL WIRING FOR ALL AIR CONDITIONING CONTROLS.
 - THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL DISCONNECTS FOR RTUS, WIRE THE RESTROOM EXHAUST FAN TO RUN CONTINUOUSLY WHILE THE DINING ROOM LIGHTS ARE ON, AND WIRE HOOD EXHAUST FANS, RTU BLOWERS, AND KITCHEN APPLIANCES PER NFPA96 AND LOCAL CODES.
 - THE ELECTRICAL CONTRACTOR IS TO USE A MINIMUM OF 4'-6" SEALTITE FLEXIBLE CONDUIT WHEN WIRING KITCHEN HOOD EXHAUST FANS ON ROOF SO THAT FANS MAY BE REMOVED FROM CURBS AND PLACED ON ROOF FOR CLEANING EXHAUST DUCTWORK.
 - FOR EACH UNIT, THE ELECTRICAL CONTRACTOR IS TO PROVIDE ONE SINGLE-GANG RECEPTACLE TEST STATION FOR THE REMOTE SENSOR AND/OR T-STAT, AND ONE DOUBLE-GANG RECEPTACLE TEST STATION FOR THE ANNUNCIATOR, WITH GREEN AND RED LIGHT INDICATORS. THE FIRE AND MECHANICAL INSPECTORS WILL DETERMINE SUITABLE LOCATION FOR TEST STATIONS. ANNUNCIATORS AND TEST STATION WILL BE LOOPED IN THE CIRCUITRY OF THE SMOKE DETECTION DEVICES. WIRING WILL BE INSTALLED BY ELECTRICAL CONTRACTOR.
 - ELECTRICAL CONTRACTOR IS TO PROVIDE TWO MARKEL (OR EQUIVALENT) FAN-FORCED WALL HEATERS WITH INTEGRAL THERMOSTAT. USE MODEL# WH-G332STD WITH 3KW, 10.8A, AND 208V. COORDINATE LOCATION ON SITE WITH GC AND BUILDING CONDITIONS. PROVIDE IN ENTRY VESTIBULE AND THE WOMENS RESTROOM.**

- PLUMBING CONTRACTOR
- THE PLUMBING CONTRACTOR IS TO PROVIDE AND INSTALL CONDENSATE DRAINS/GAS PIPING FOR ALL HVAC EQUIPMENT, AND PITCH POCKETS FOR RTU CONNECTIONS. DO NOT PENETRATE BOTTOM OF RTU CURB.
 - THE PLUMBING CONTRACTOR IS TO COORDINATE PLUMBING VENT STACKS AND WATER HEATER FLUES WITH OUTSIDE AIR INTAKES OF A/C UNITS. 10'-0" MINIMUM CLEARANCE REQUIRED OR PER LOCAL CODE.
 - THE PLUMBING CONTRACTOR IS TO PROVIDE AND INSTALL FLUE GAS EXHAUST VENT FOR WATER HEATER. MAINTAIN 10'-0" MINIMUM CLEARANCE TO AIR INTAKES, OR PER LOCAL CODE. COORDINATE ON SITE WITH G.C. AND HVAC CONTRACTOR.

KEYED NOTES

- PROVIDE TYPE-I GREASE HOOD OVER COOKLINE APPLIANCES WITH UL LISTED, FACTORY MANUFACTURED, ROUND, DOUBLE WALLED, NON-WELD GREASE DUCT. CONTACT NCA CONSULTANTS TO ORDER THE DUCT. ALL WORK SHALL BE PER NFPA96 AND MANUFACTURER'S PUBLISHED INSTRUCTIONS THAT SHIP WITH THE DUCT. REFER TO HOOD DETAILS SHEET, THIS SET, CONFIRM LOCATION ON SITE WITH MOST RECENT KITCHEN PLANS. **NOTE: THE INSTALLER MAY OPT TO USE 16 GAUGE BLACK IRON GREASE DUCT, WELDED LIQUID TIGHT PER NFPA96 AND LOCAL CODES.**
- PROVIDE THERMOSTAT 66" A.F.F. IN A WALL NEAR LOCATION SHOWN. SEAL WALL OPENINGS WITH CAULK. AUDIO-VISUAL ANNUNCIATOR TIED INTO SMOKE DETECTOR. COORDINATE LOCATION ON SITE WITH GC, AND EQUIPMENT. AVOID SOURCES OF HEAT. INSULATE BACKS OF STATS.
- IF GAS FIRED: TYPE "B" FLUE THROUGH ROOF WITH CONE FLASHING, RAIN SHIELD, AND WEATHER-PROOF CAP PROVIDED BY PLUMBING CONTRACTOR. DISCHARGE SHALL BE MINIMUM 10 FEET FROM AIR INTAKES. OFFSET AND TRANSITION AT CONNECTIONS AS NEEDED. USE FACTORY-MANUFACTURED PIPE AND FITTINGS ONLY. COMBUSTION AIR IS PROVIDED VIA NATURAL DRAFT USING OUTSIDE AIR FROM THE ROOF-TOP UNITS.
- PROVIDE 10X10 EXHAUST DUCT TO EXHAUST FAN ON ROOF AS SHOWN. OFFSET AND TRANSITION AS NEEDED.
- UTILITY CABINET HOUSES HOOD CONTROLS AND FIRE SUPPRESSION.
- SHIM CURBS ON ROOF IN ORDER TO MAKE TOP OF CURBS LEVEL. SEE DETAIL ON SHEET M-2. CONFIRM STRUCTURAL FRAMING ON SITE PRIOR TO LAYING OUT ROOF PENETRATIONS.
- MANUAL PLANT LOCATION FOR FIRE SUPPRESSION SYSTEM. **VERIFY WITH GC AND LOCAL AUTHORITY** NUMBER OF PULLS, FINAL LOCATION(S) AND HEIGHT ABOVE FINISH FLOOR.

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NEW BUILDING FOR:



GRILL & CHILL

250 SOUTH STUART AVENUE
ELKTON, VA 22827

AMERICAN DAIRY QUEEN
MINNEAPOLIS, MN U.S.A.

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SHANE HAMILTON P.E.
VIRGINIA LIC. #402056920

VIRGINIA ARCHITECT
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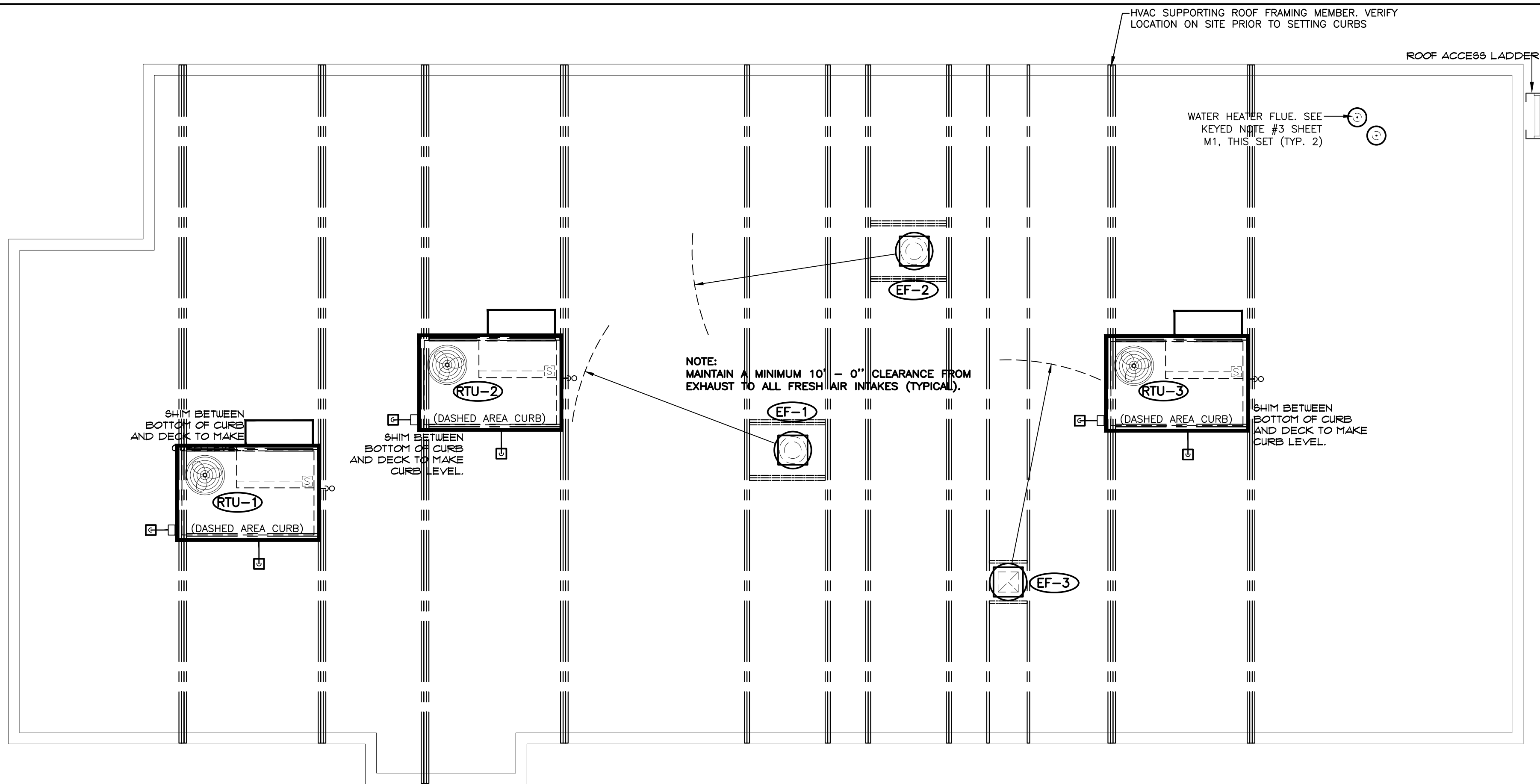
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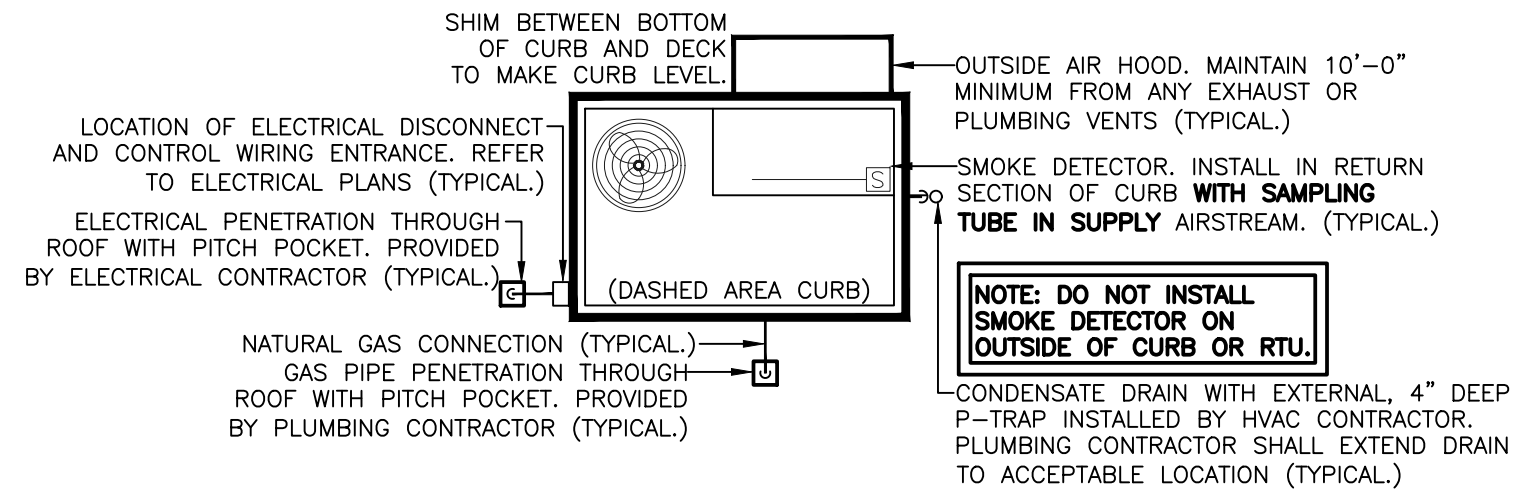
HVAC FLOOR
PLAN, NOTES, AND
SCHEDULES

SHEET NUMBER:

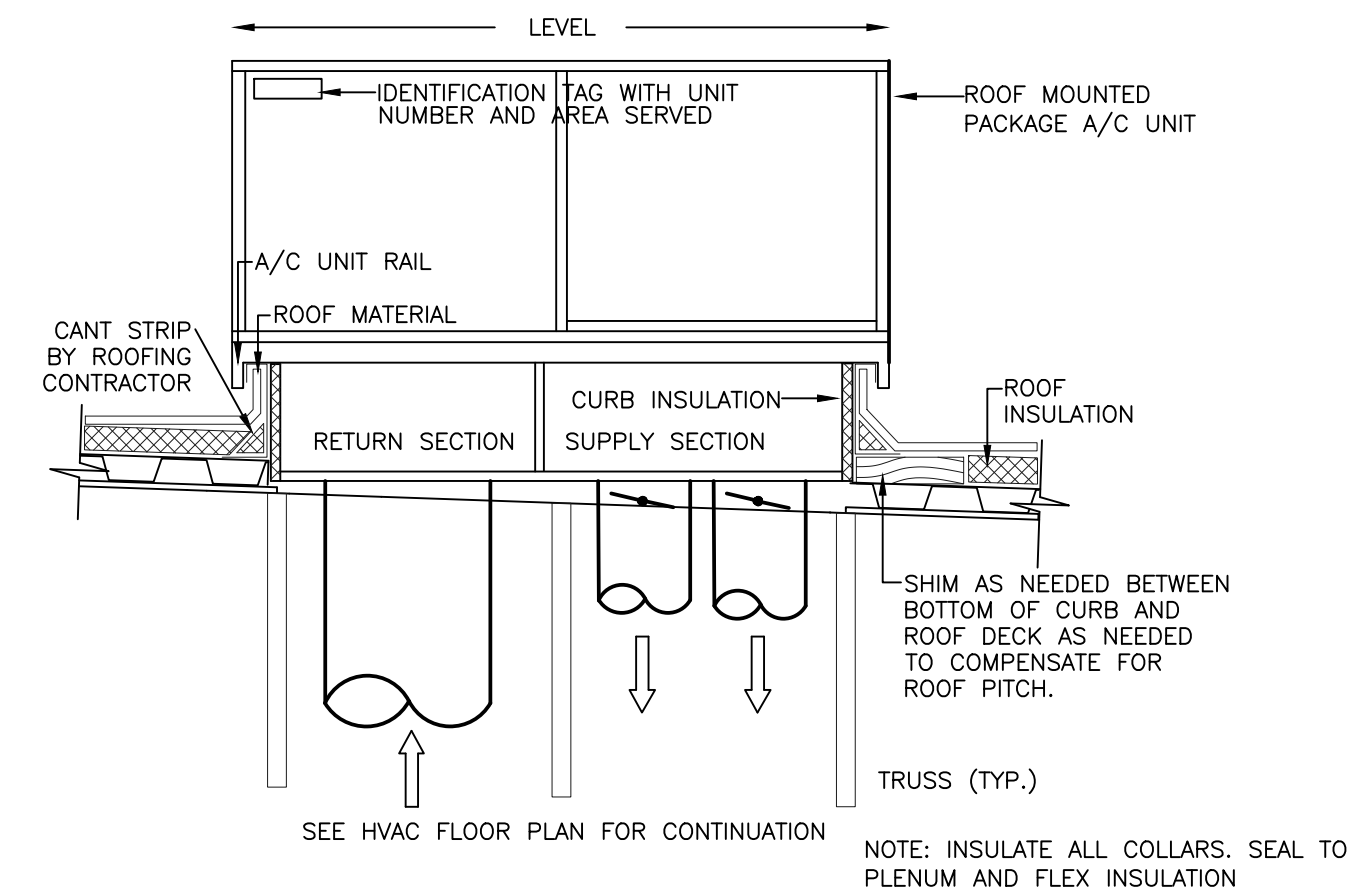
M-1



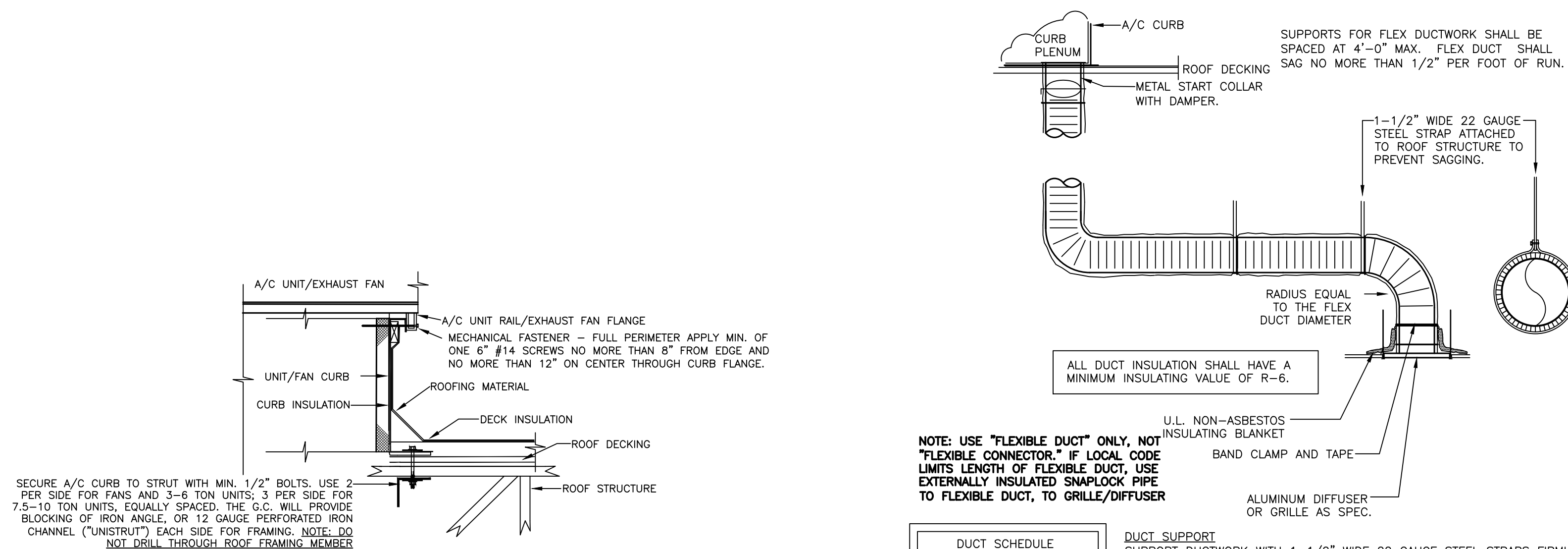
ROOF PLAN — HVAC
SCALE 1/4" = 1' — 0" WHEN PLOTTED 36" X 24"



RTU ROOF CONNECTIONS/ACCESSORIES
NOT TO SCALE



DUCT RISER/LEVELING DETAIL
NOT TO SCALE



FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED.
NCA PLENUMIZED AC CURB DETAIL
NOT TO SCALE

RIGID/FLEXDUCT CONNECTION/INSTALL DETAIL
NOT TO SCALE

HVAC SYSTEM
NCA
CONSULTANTS / GROUP
6510 N. 125TH AVENUE, SUITE #1001
LARGO, FLORIDA 33773
TELEPHONE: (877) 530-0078
CALL OR EMAIL NCA MARKETING FOR PRICING
AND INSTALLATION — MARKETING@NCACONSULTANTS.COM
NCA JOB# 261490

ACCEPTABLE FOR 140 MPH ZONE
VERIFY ON SITE WITH GENERAL CONTRACTOR
ROOF EQUIP. CURB MOUNTING DETAIL
NOT TO SCALE

DRAWING INFORMATION		
DATE	DESCRIPTION	BY
04-03-26	FOR CONSTRUCTION	KM

NEW BUILDING FOR:

DQ.

GRILL & CHILL

250 SOUTH STUART AVENUE
ELKTON, VA 22827

AMERICAN DAIRY QUEEN
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COMMONWEALTH OF VIRGINIA

Shane R. Hamilton
P.E.
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4/08/2026

PROFESSIONAL EXERCISE

SHANE HAMILTON P.E.
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ISSUE DATE: 04/08/26

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HVAC ROOF PLAN
AND HVAC DETAILS

SHEET NUMBER:

M-2

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FOR QUESTIONS, CALL THE
Iowa Office
REGION 71
PHONE: (515) 318 - 5908
EMAIL: reg71@captiveaire.com

PATENT NUMBERS
EXHAUST HOODS ND-2/BD-2/SND-2 (CANADA) - CA PATENT 2520435 C.

HOOD INFORMATION - JOB#6388035

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM							HOOD CONSTRUCTION	HOOD CONFIG	
										RISER(S)								END TO END	ROW
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP			
1	Clam	5424 ND-2	CAPTIVEAIRE	4' 0"	600 DEG	I	HEAVY	200	800			4"	10"	800	1467	-0.580"	430 SS WHERE EXPOSED	ALONE	ALONE
2	Fry	3650 BD-2	CAPTIVEAIRE	5' 0"	450 DEG	I	MEDIUM	160	800			4"	10"	800	1467	-0.534"	430 SS WHERE EXPOSED	ALONE	ALONE

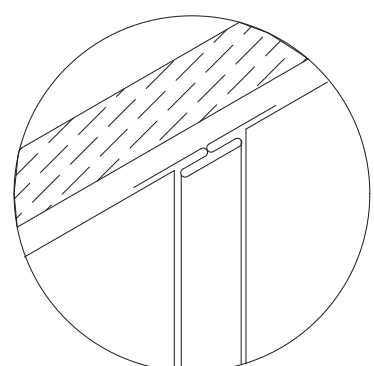
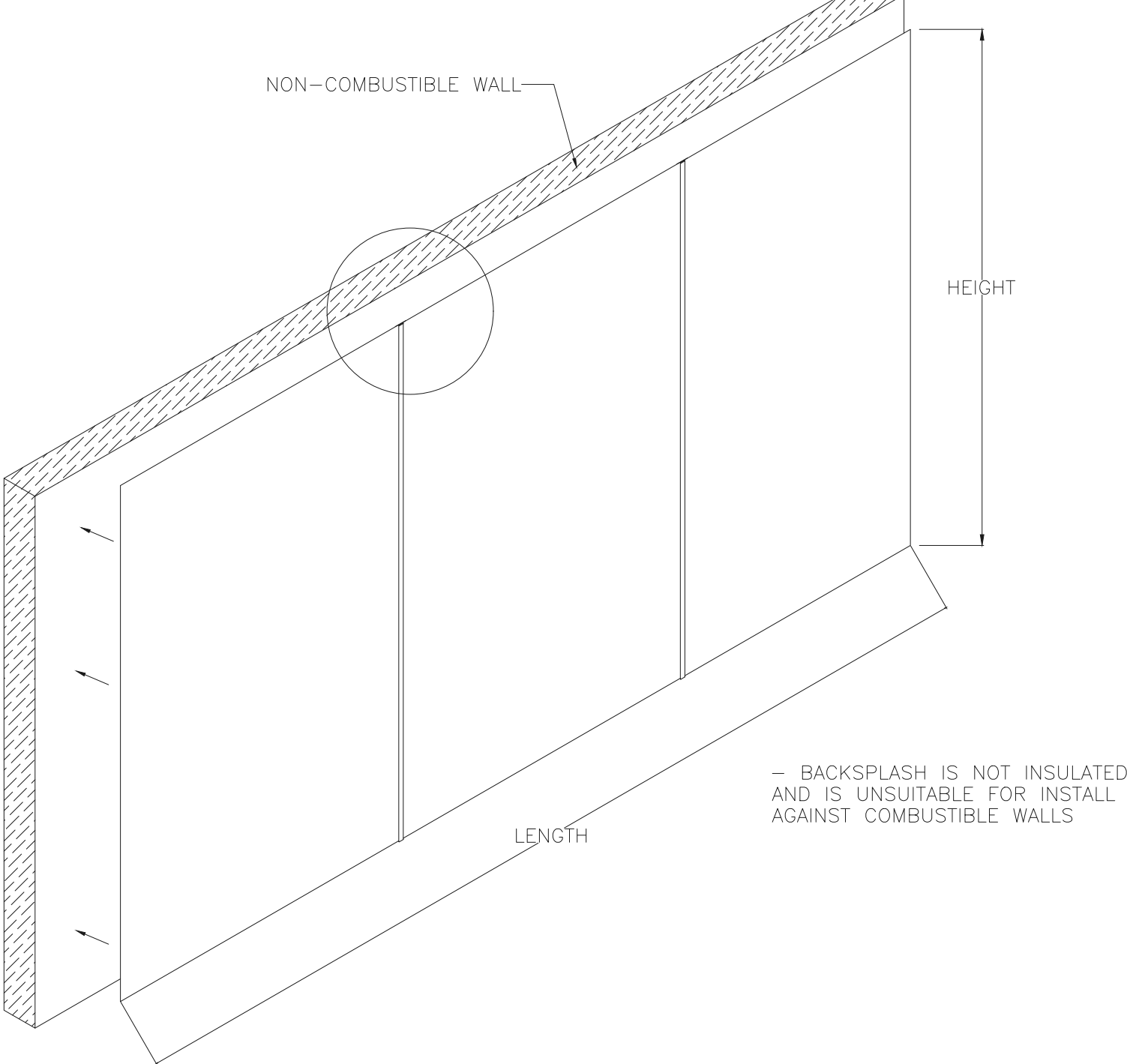
HOOD INFORMATION

HOOD NO	TAG	TYPE	FILTER(S)			EFFICIENCY @ 7 MICRONS	QTY	LIGHT(S)		WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S)		FIRE SYSTEM PIPING	HOOD HANGING WEIGHT	
			QTY	HEIGHT	LENGTH			TYPE	FIRE SYSTEM				ELECTRICAL	SWITCHES			
																	TYPE
1	Clam	CAPTRATE SOLO FILTER	2	16"	20"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO	RIGHT (SEE SHEET M1 THIS SET)	12"x54"x24"	TANK FS	4.0/4.0/4.0	SC-120110MA_DQ	1 LIGHT 1 FAN	YES	658 LBS
2	Fry	CAPTRATE SOLO FILTER	3	16"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO								

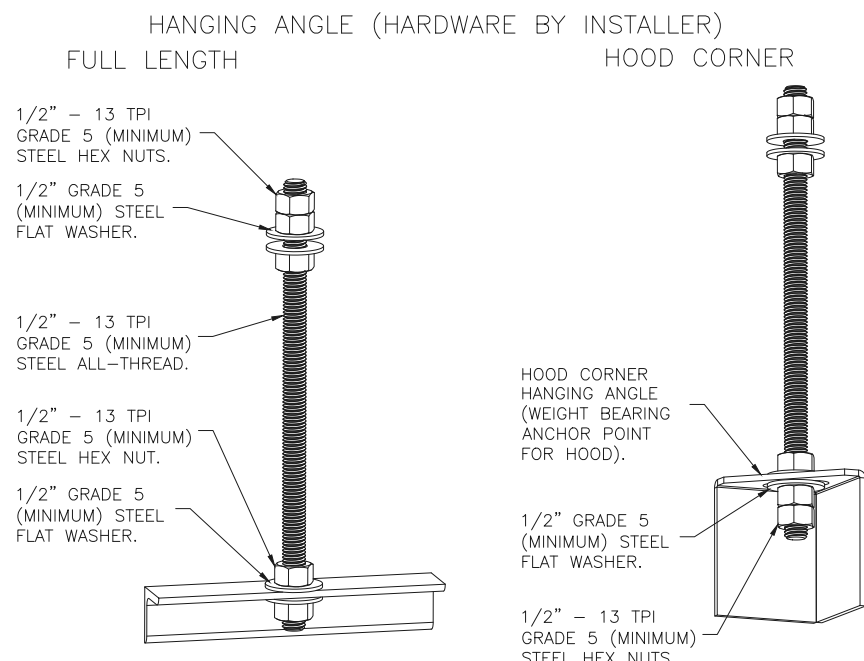
HOOD OPTIONS

HOOD NO	TAG	OPTION
1	Clam	FIELD WRAPPER 18.00" HIGH FRONT, LEFT.
		BACKSPLASH 122.00" HIGH X 79.00" LONG 430 SS VERTICAL.
		RIGHT SIDESPLASH 122.00" HIGH X 72.00" LONG 430 SS VERTICAL.
		RIGHT END STANDOFF (FINISHED) 1" WIDE 54" LONG INSULATED.
		BACKSPLASH - INSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
		LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
2	Fry	RISER SENSOR INSTALL 6IN PLEN.
		RIGHT WALL AS END PANEL.
		FIELD WRAPPER 36.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 122.00" HIGH X 96.00" LONG 430 SS VERTICAL.
		RIGHT QUARTER END PANEL 26" TOP WIDTH, 0" BOTTOM WIDTH, 26" HIGH 430 SS.
		LEFT QUARTER END PANEL 26" TOP WIDTH, 0" BOTTOM WIDTH, 26" HIGH 430 SS.
		RISER SENSOR INSTALL 6IN PLEN.

BACKSPLASH



BACKSPLASH PANELS SLIDE INTO DIVIDER BAR



ASSEMBLY INSTRUCTIONS:
HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

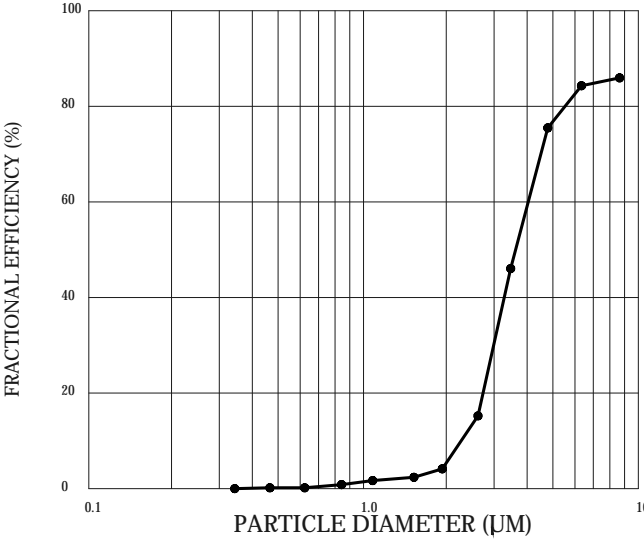
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

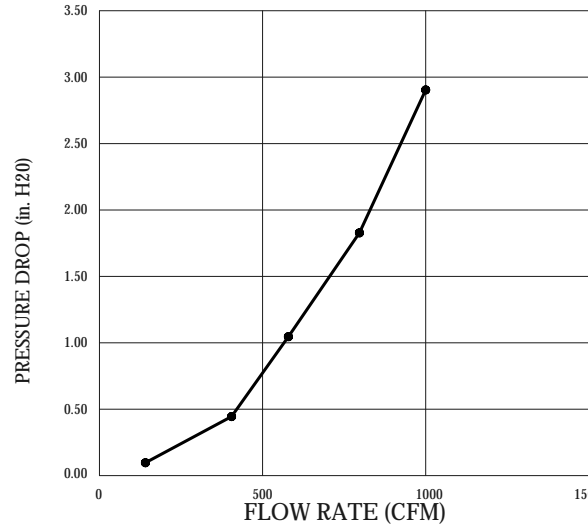
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

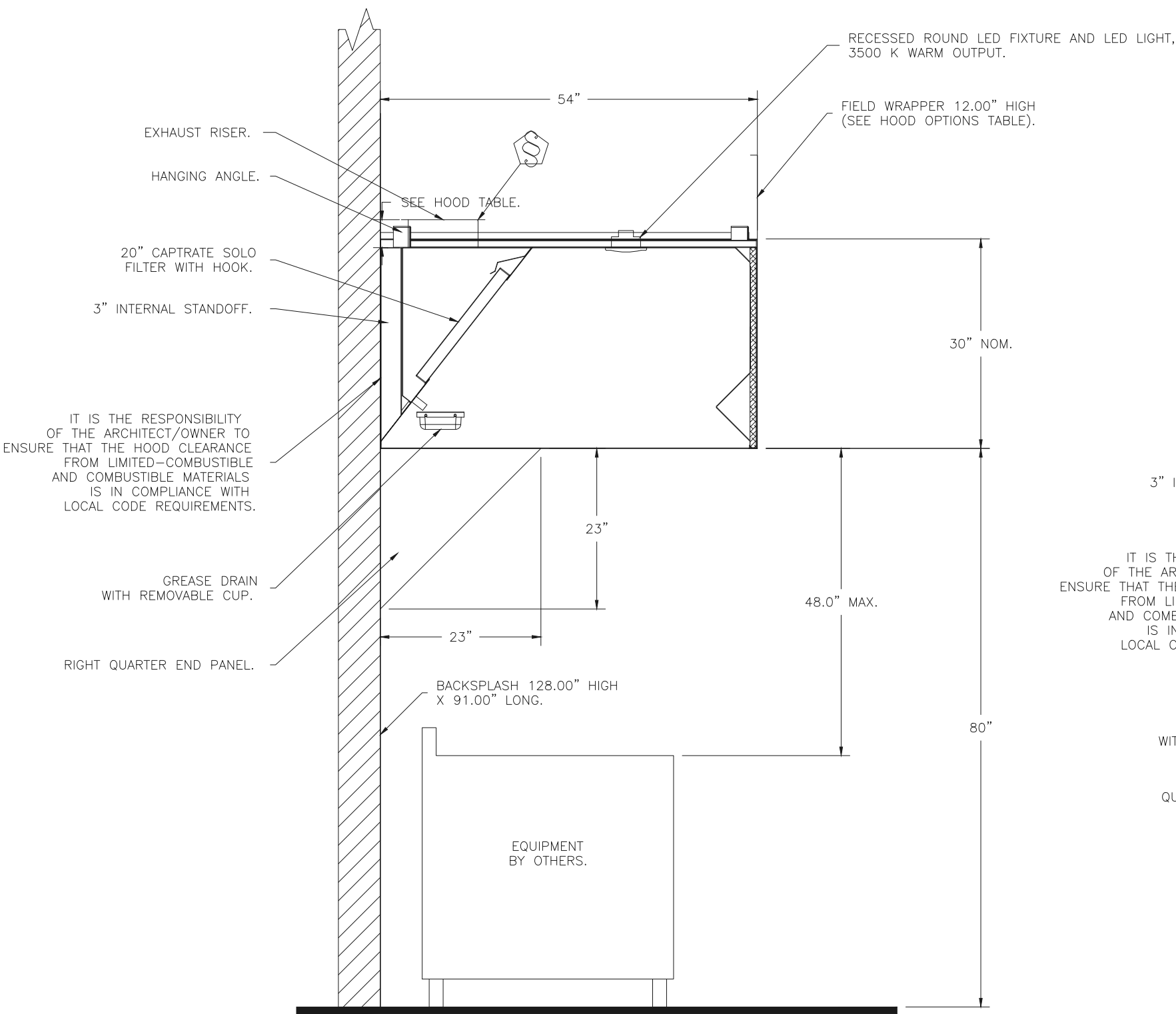
EFFICIENCY VS. PARTICLE DIAMETER



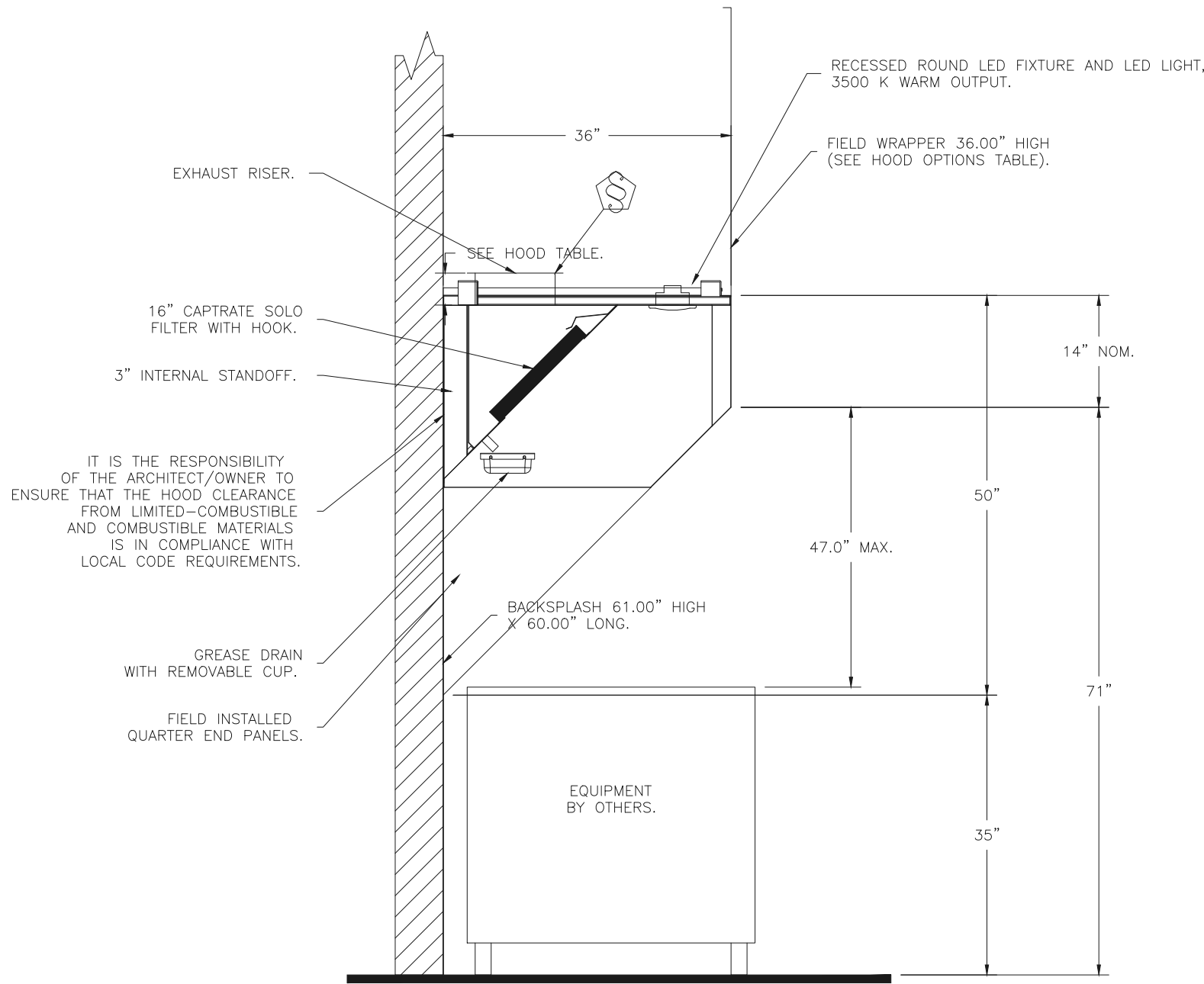
PRESSURE DROP VS. FLOW RATE



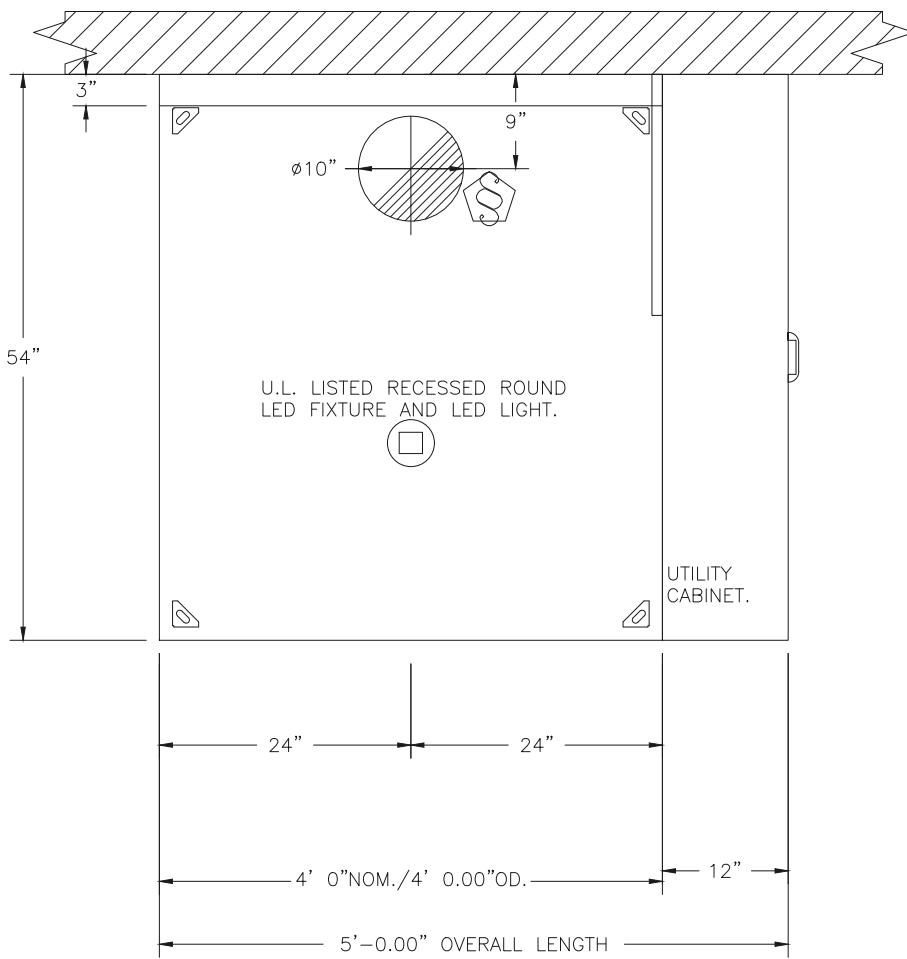
CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.



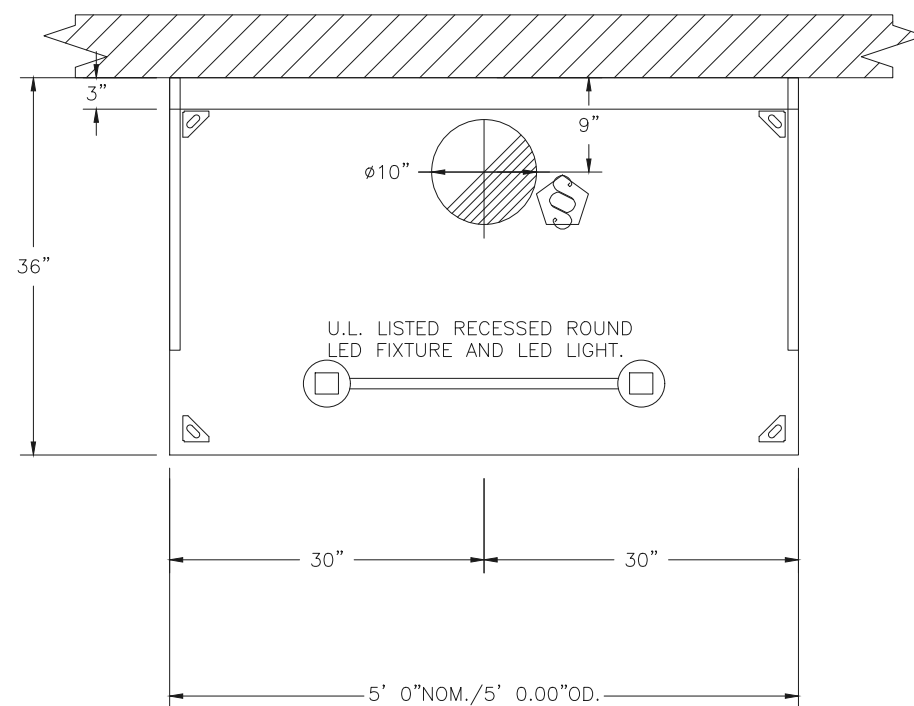
SECTION VIEW - MODEL 5430ND-2
HOOD - #1 (Char)



SECTION VIEW - MODEL 3650BD-2
HOOD - #2 (Fryer)



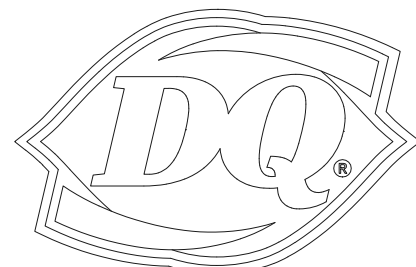
PLAN VIEW - HOOD #1 (Char)
4' 0.00" LONG 5430ND-2



PLAN VIEW - HOOD #2 (Fryer)
5' 0.00" LONG 3650BD-2

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NEW BUILDING FOR:

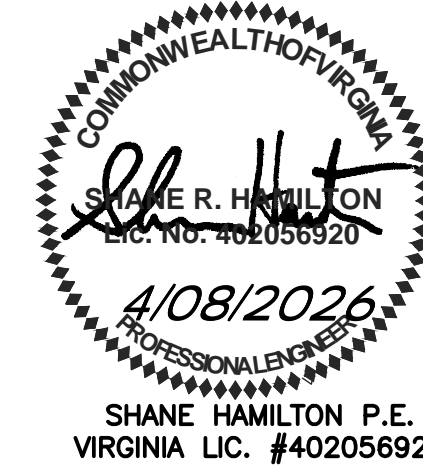


GRILL & CHILL
250 SOUTH STUART AVENUE
ELKTON, VA 22827

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Shane R.
Hamilton, P.E.
Consulting Engineer

503 E. Jackson St. #241
Tampa, FL 33602 (727) 642-5321



VIRGINIA ARCHITECT
LICENSE NUMBER 0401017034

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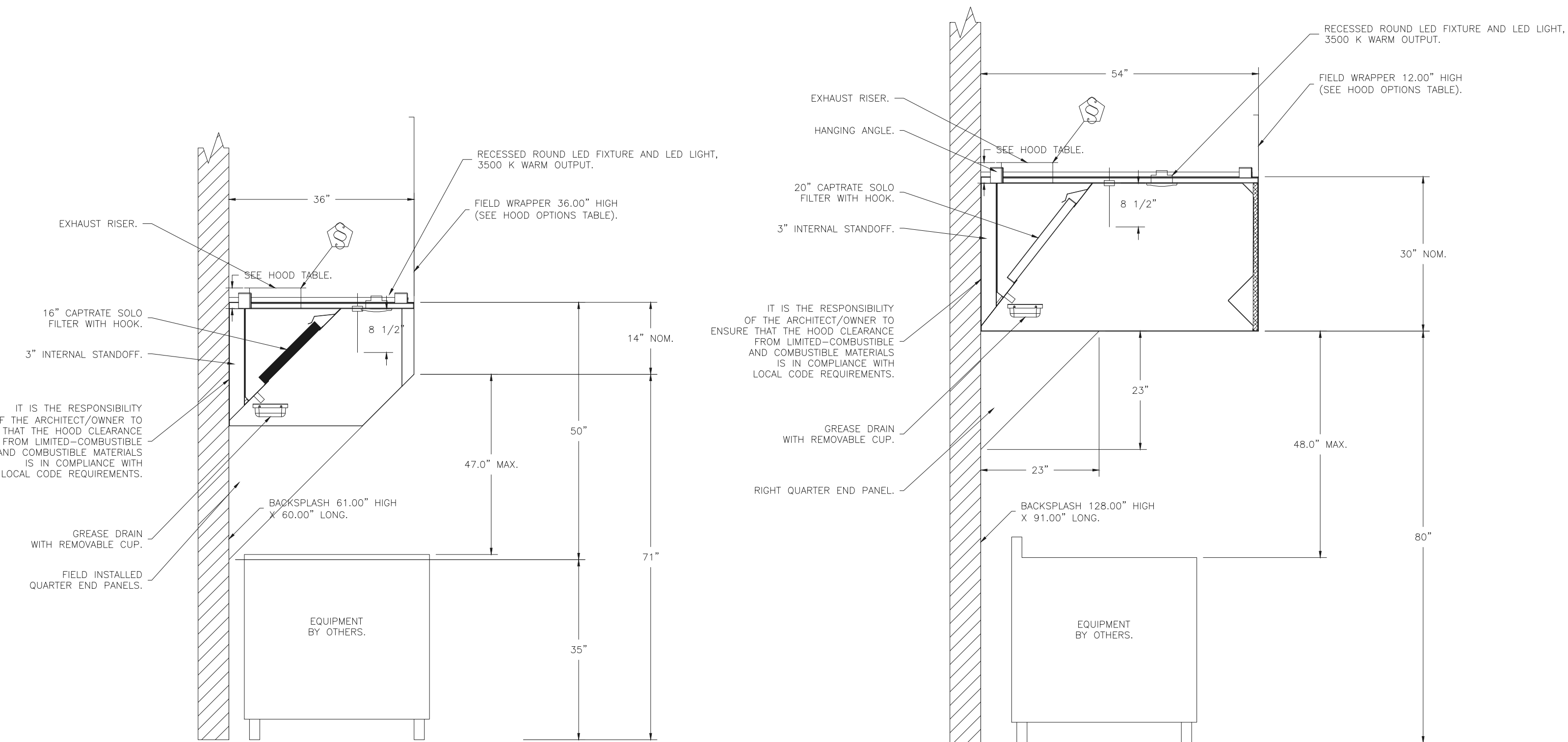
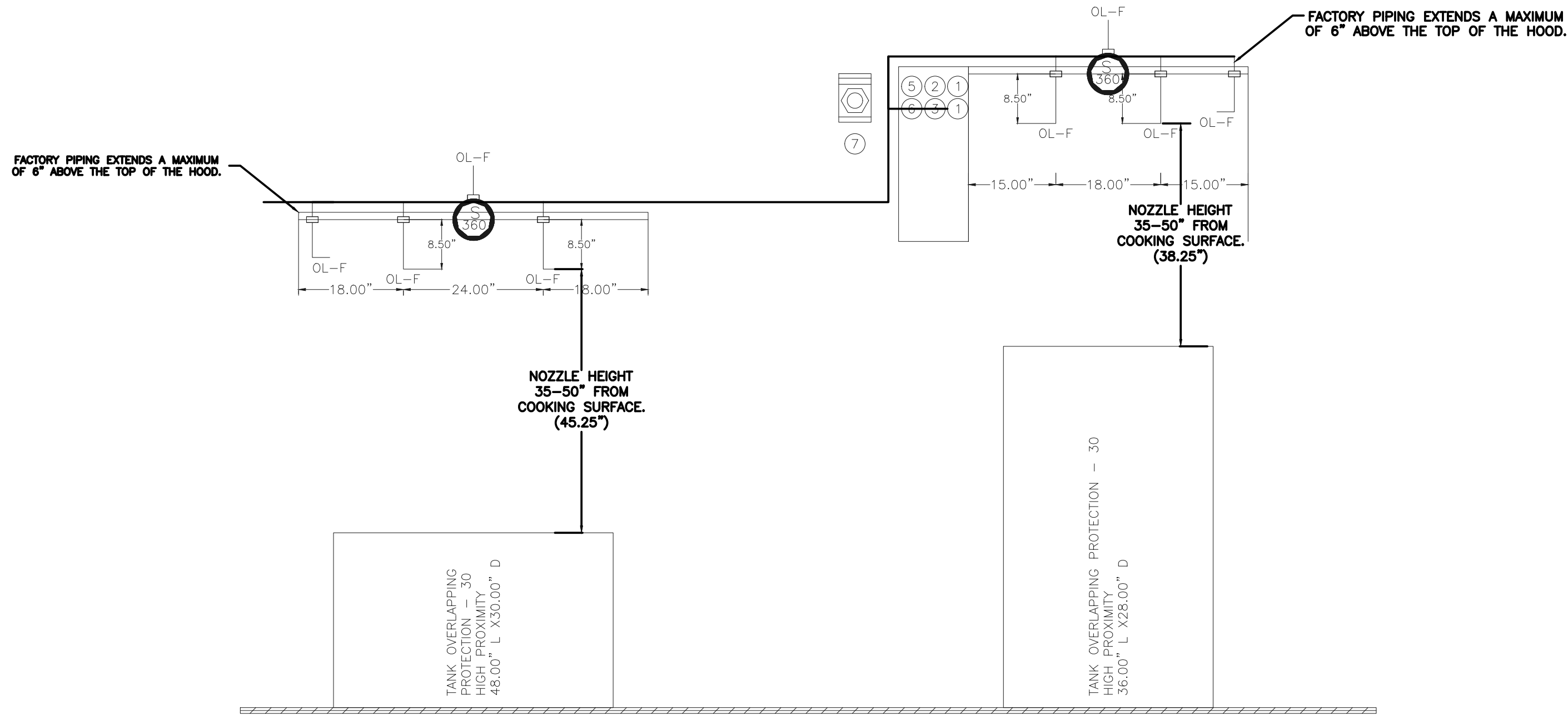
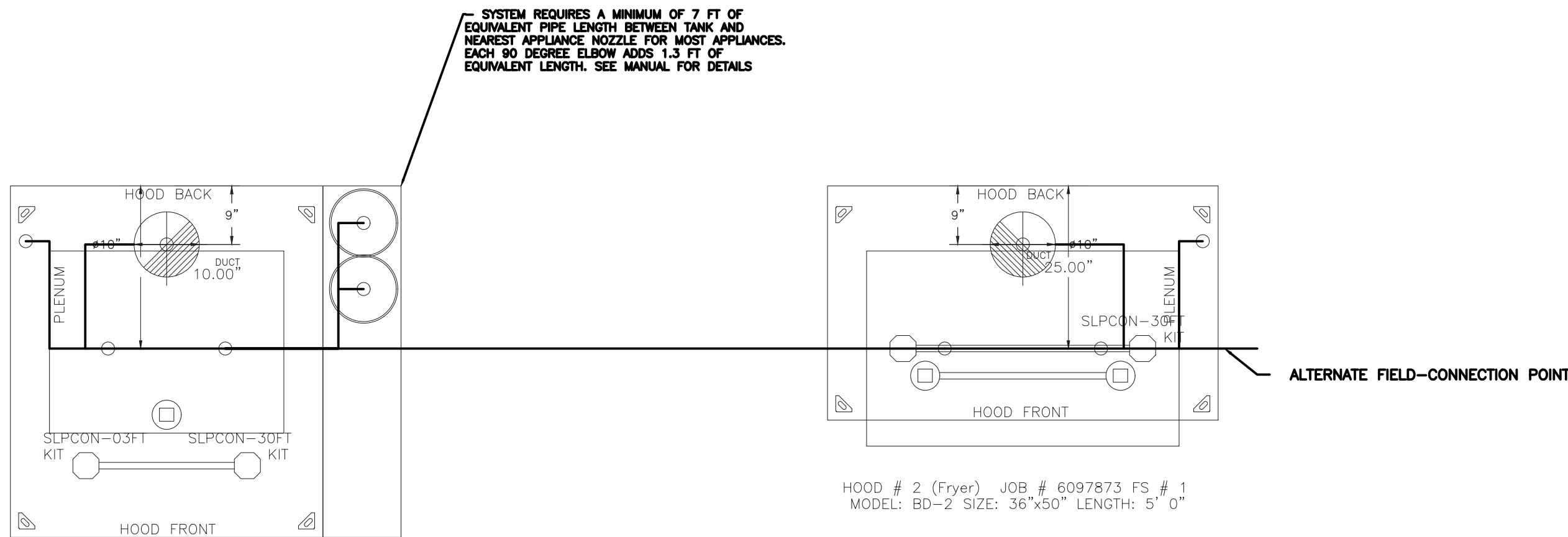
ISSUE DATE: 04/08/26
REVISION DATE: 04/08/26 ORIGINAL ISSUE
△
△

HOOD DETAILS

SHEET NUMBER:

M-3

HVAC SYSTEM
N • C • A
CONSULTANTS / GROUP
6510 N. 125TH AVENUE, SUITE #1001
LARGO, FLORIDA 33773
TELEPHONE: (877) 530-0078
CALL OR EMAIL NCA MARKETING FOR PRICING
AND INSTALLATION - MARKETING@NCACONSULTANTS.COM
NCA JOB# 261490



SECTION VIEW - MODEL 3650BD-2
HOOD - #2

SECTION VIEW - MODEL 5430ND-2
HOOD - #1

HVAC SYSTEM
N • C • A
CONSULTANTS / GROUP
6510 N. 125TH AVENUE, SUITE #1001
LARGO, FLORIDA 33773
TELEPHONE: (877) 530-0078
CALL OR EMAIL NCA MARKETING FOR PRICING
AND INSTALLATION - MARKETING@NCACONSULTANTS.COM
NCA JOB# 261490

NOTES

- FIELD PIPE DROPS AS SHOWN
- PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 6097873.

JOB NAME: DQ - MIDDLETON, ID.

SYSTEM SIZE: TANK-SP-2 TOTAL FP REQUIRED: 36.

HOOD # 1 4' 0.00" LONG x 54" WIDE x 30" HIGH.

RISER # 1 SIZE: 10" DIA.

HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

HOOD # 2 5' 0.00" LONG x 36" WIDE x 50" HIGH.

RISER # 1 SIZE: 10" DIA.

HOOD # 2 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.

- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

LEGEND - FIRE CABINET TANK SYSTEM

- 1 4 GALLON TANK.
- 2 PRIMARY ACTUATOR RELEASE.
- 3 SECONDARY ACTUATOR RELEASE.
- 4 PRESSURE SUPERVISION SWITCH.
- 5 PRIMARY HOSE ASSEMBLY.
- 6 SECONDARY HOSE ASSEMBLY.
- 7 REMOTE MANUAL ACTUATION DEVICE.

INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL OR ELECTRICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.

EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.

FIRE SYSTEM INFORMATION - JOB#6097873

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0	36	FIRE CABINET RIGHT	RIGHT, HOOD 1

FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - 12-F28021-32144-OT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F.	2	0
		0 - 0 - 361091 3/8" BRASS PLUG.	3	0
		0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	2	0
		0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	1	0
		0 - 0 - 79425 3/8" NPT FEMALE TO 1/2" MALE PROPRESS ADAPTER.	3	0
		0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2"NPT FEMALE CONNECTION, VIEGA.	1	0
		0 - 0 - 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2"NPT FEMALE CONNECTION, VIEGA.	2	0
		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	8	0
		0 - 0 - 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	9	0
		0 - 0 - 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.	8	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	4	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" MPT HALF UNION, USED ON TANK SERVICE PORT.	1	0
		0 - 0 - B1145 3/8" BLACK IRON 90 ELL.	4	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - SLPCON-03FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 2' GAP. KIT CONTAINS 5 FEET OF BLACK MG WIRE, 5 FEET OF TAN MG WIRE, 3 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - SLPCON-30FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UPTO 29' GAP. KIT CONTAINS 32 FEET OF BLACK MG WIRE, 32 FEET OF TAN MG WIRE, 30 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	2	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	6	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	2	0
		16 - 16 - 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	8	0
		16 - 16 - OL-F NOZZLE - TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE).	8	0
		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL).	8	0
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	1	0

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DRAWING INFORMATION		
DATE	DESCRIPTION	BY
04-03-26	FOR CONSTRUCTION	KM

NEW BUILDING FOR:



GRILL & CHILL®
250 SOUTH STUART AVENUE
ELKTON, VA 22827

AMERICAN DAIRY QUEEN
MINNEAPOLIS, MN U.S.A.

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SHANE HAMILTON P.E.
VIRGINIA LIC. #402056920

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LICENSE NUMBER 0401017034

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ISSUE DATE: 04/08/26

REVISION DATE:

04/08/26

ORIGINAL ISSUE



HOOD DETAILS

SHEET NUMBER:

M-4

DUCTWORK #2 PARTS – JOB#6097873 DOUBLE WALL DW-FRY									
TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY DESCRIPTION
P1	DW1047DWAJD-2R-S	800				-0.015	72.54	1466.77	1 DOUBLE WALL ADJUSTABLE DUCT – 10" INNER DUCT – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 49.5" / ADJUSTMENT = 31.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P2	DW1090DWASY-2R-S	800				-0.0728	20.35	1466.77	1 DOUBLE WALL DUCT – 10" INNER 90 DUCT – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL.
P3	DW1027DWAJD-2R-S	800				-0.007	39.87	1466.77	1 DOUBLE WALL ADJUSTABLE DUCT – 10" INNER DUCT – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 25.5" / ADJUSTMENT = 14.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P4 ASSEMBLED W/P5	DW10DWTEASY-2R-S	800		1		-0.112	27.71	1466.77	1 DOUBLE WALL DUCT – 10" INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL.
P5 ASSEMBLED W/P4 O=S	DW10DWACCD00RCOV-2R-S						15.14		1 DOUBLE WALL DUCT – 10" INNER ACCESS DOOR & 14" ACCESS DOOR COVER WITH CLAMPS – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL.
P6	DW1027DWAJD-2R-S	800				-0.008	39.87	1466.77	1 DOUBLE WALL ADJUSTABLE DUCT – 10" INNER DUCT – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 25.5" / ADJUSTMENT = 14.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P7 ASSEMBLED W/P8	DW1035DWLTP-2R-S	800				-0.016	36.51	1466.77	1 DOUBLE WALL DUCT – 10" INNER DUCT, 35" LONG – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL – USED WITH TRANSITION PLATE.
P8 ASSEMBLED W/P7 SYSTEM AT P8	DW1910TP	800					6.62	1466.77	1 DUCT TO CURB TRANSITION, 19-1/2" CURB TO 10" DUCT, 16 GA ALUMINIZED STEEL. MISC. NON-STANDARD TRANSITION PLATE.
	3M-2000PLUS					-0.7648	0.00		
TOTAL WEIGHT							260.21		2 DUCT – 3M FIRE BARRIER 2000 PLUS SILICONE – USED AS SEALANT TO SEAL DUCT JOINTS.

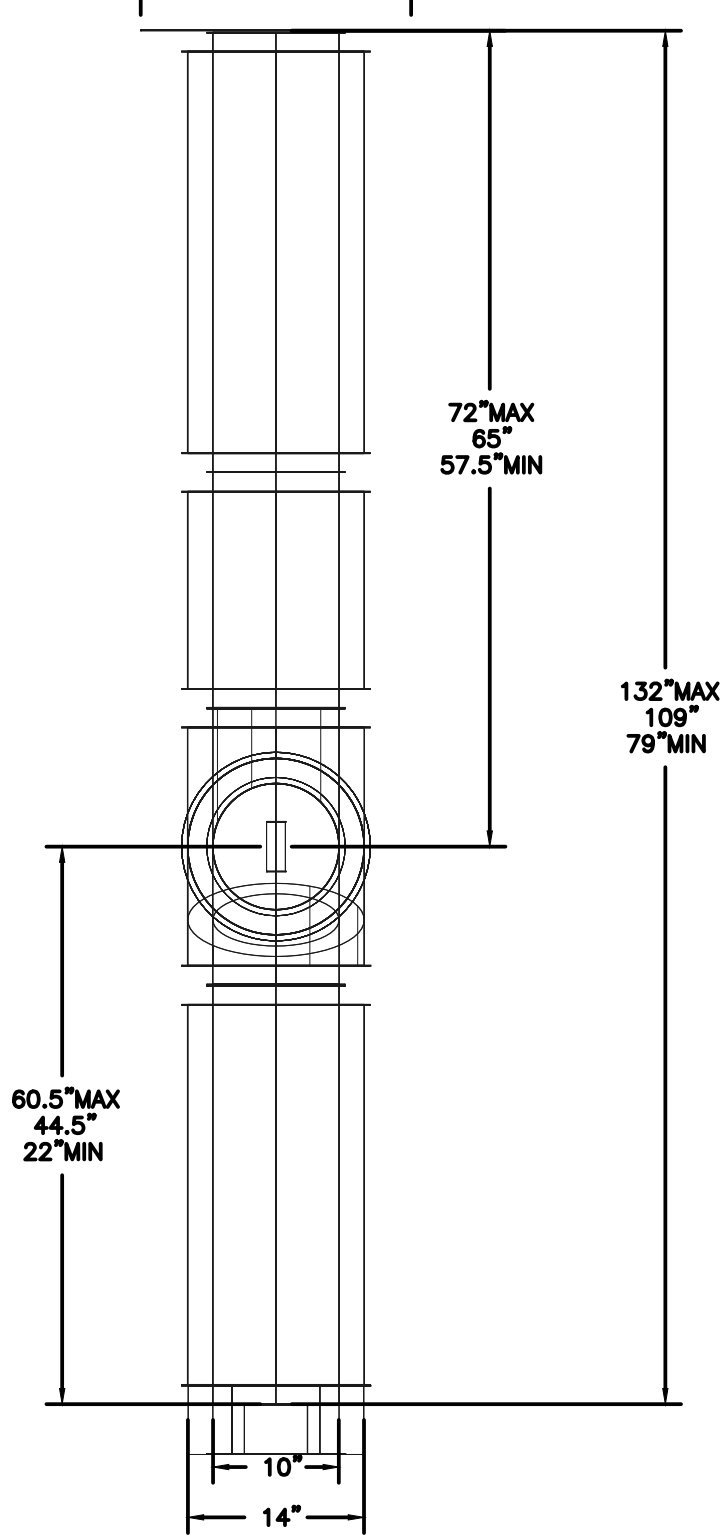
DOUBLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

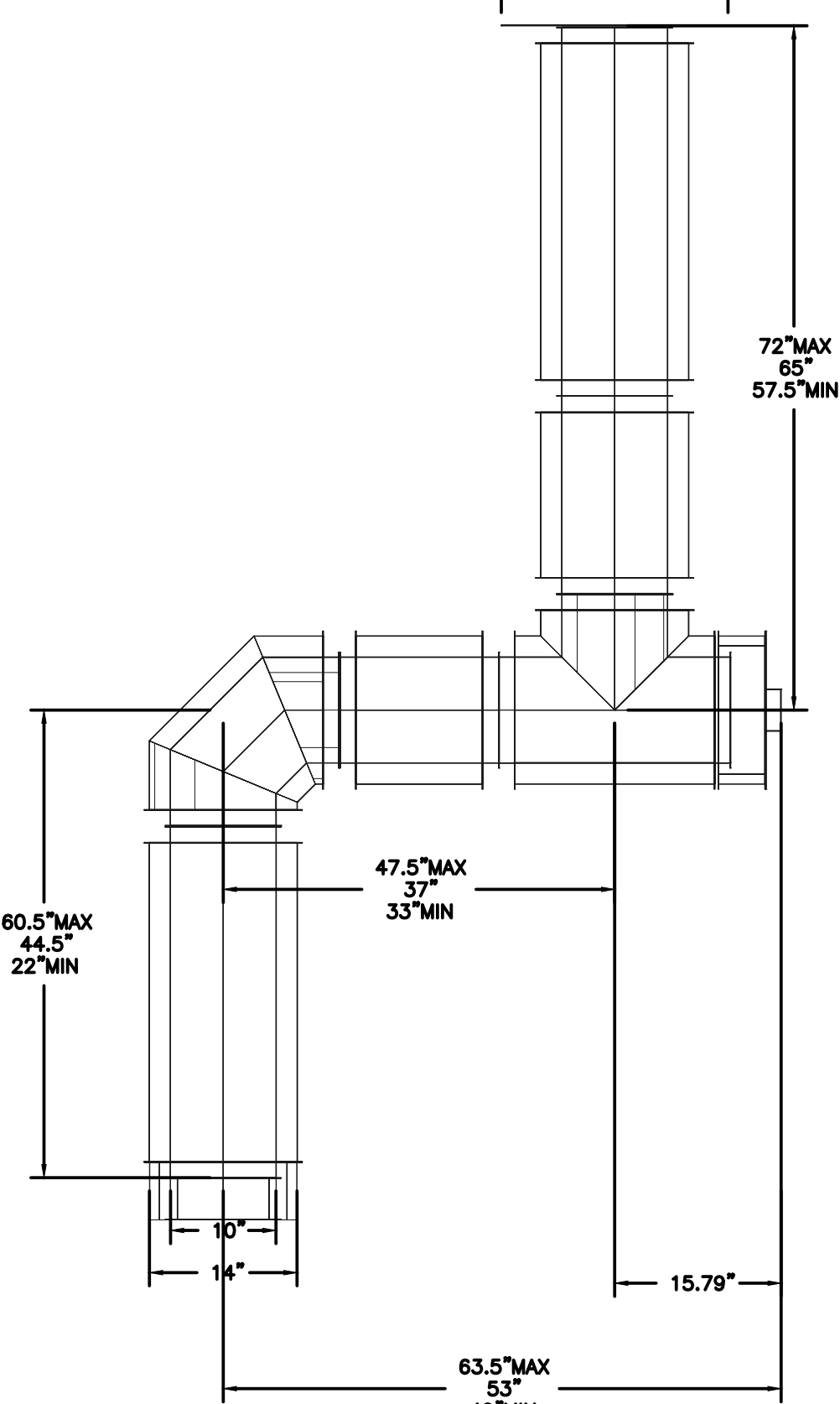
DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

DUCTWORK #1 PARTS – JOB#6097873 DOUBLE WALL DW-CHAR									
TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY DESCRIPTION
P1	DW1045DWASY-2R-S	800				-0.035	13.60	1466.77	1 DOUBLE WALL DUCT – 10" INNER 45 DUCT – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL.
P2	DW1045DWASY-2R-S	800				-0.05	13.60	1466.77	1 DOUBLE WALL DUCT – 10" INNER 45 DUCT – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL.
P3	DW1047DWAJD-2R-S	800				-0.012	72.54	1466.77	1 DOUBLE WALL ADJUSTABLE DUCT – 10" INNER DUCT – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 49.5" / ADJUSTMENT = 31.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P4 ASSEMBLED W/P5	DW1035DWLTP-2R-S	800				-0.016	36.51	1466.77	1 DOUBLE WALL DUCT – 10" INNER DUCT, 35" LONG – 2 LAYERS REDUCED CLEARANCE – 14" STAINLESS STEEL OUTER SHELL – USED WITH TRANSITION PLATE.
P5 ASSEMBLED W/P4 SYSTEM AT P5	DW2310TP	800					8.49	1466.77	1 DUCT TO CURB TRANSITION, 23" CURB TO 10" DUCT, 16 GA ALUMINIZED. MISC. NON-STANDARD TRANSITION PLATE.
	3M-2000PLUS					-0.548	0.00		
	DW10DWCLASY-2R-S						5.67		1 DUCT – 10" DUCT – 14" DOUBLE "V" CLAMP – 2R INSULATION & SINGLE "V" CLAMP INCLUDED – REDUCED CLEARANCE.
TOTAL WEIGHT							151.21		

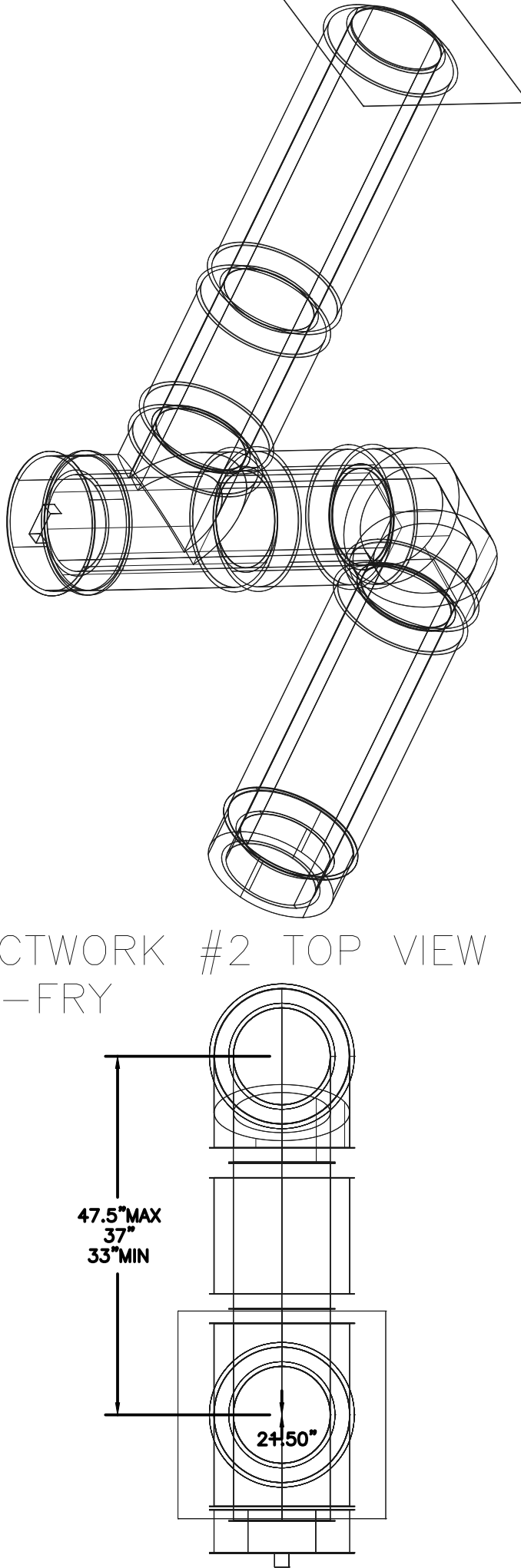
DUCTWORK #2 FRONT VIEW
DW-FRY



DUCTWORK #2 SIDE VIEW
DW-FRY

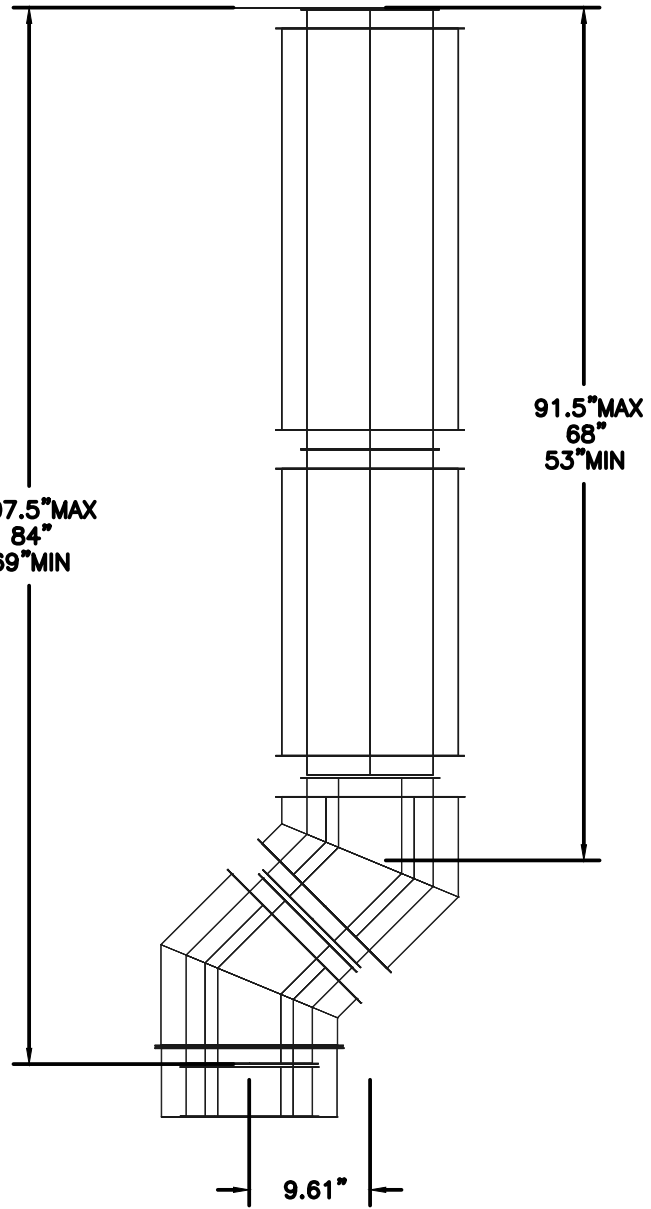


DUCTWORK #2 SE VIEW
DW-FRY

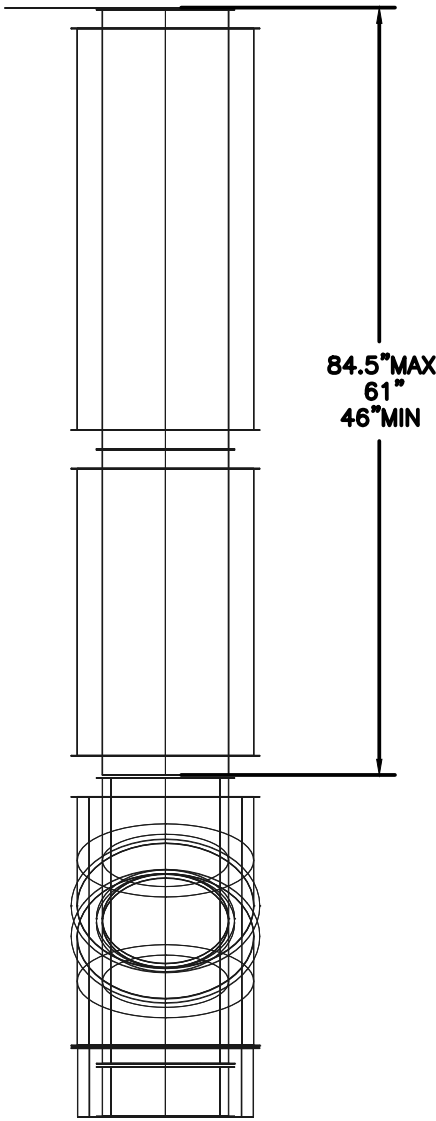


DUCTWORK #2 TOP VIEW
DW-FRY

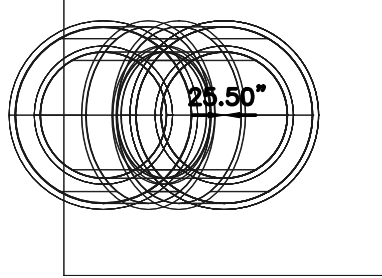
DUCTWORK #1 FRONT VIEW
DW-CHAR



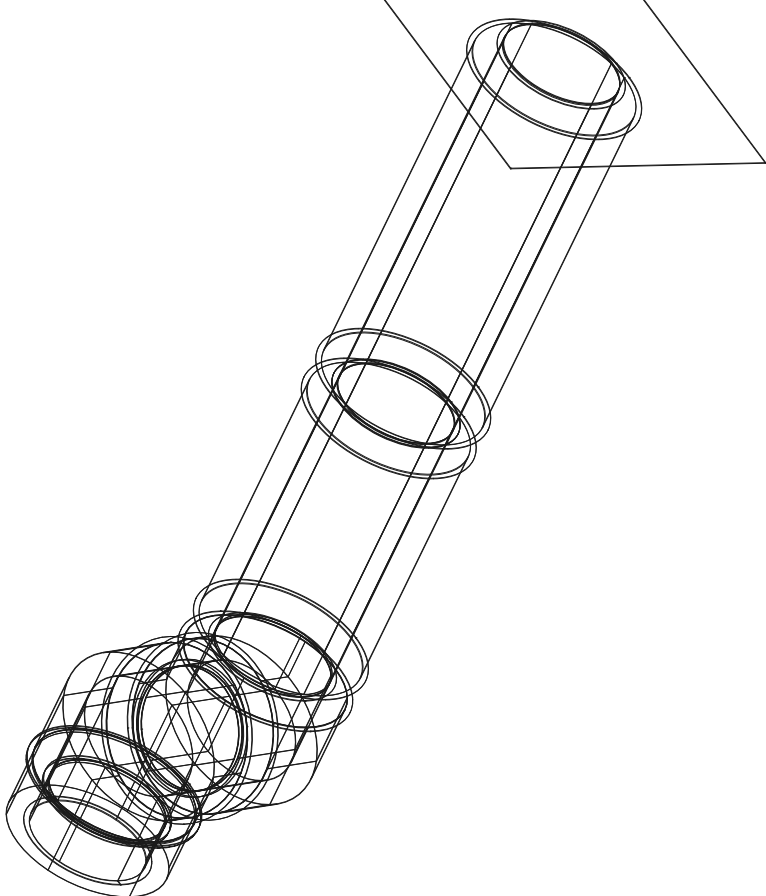
DUCTWORK #1 SIDE VIEW
DW-CHAR



DUCTWORK #1 TOP VIEW
DW-CHAR

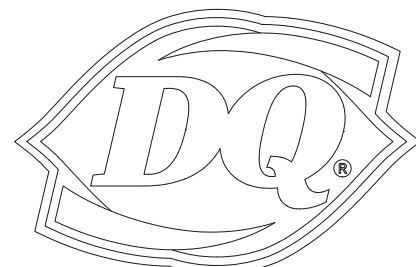


DUCTWORK #1 SE VIEW
DW-CHAR



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DATE	DESCRIPTION	BY
04-03-26	FOR CONSTRUCTION	KM

NEW BUILDING FOR:



GRILL & CHILL®
250 SOUTH STUART AVENUE
ELKTON, VA 22827

AMERICAN DAIRY QUEEN
MINNEAPOLIS, MN U.S.A.
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SHANE HAMILTON P.E.
VIRGINIA LIC. #402056920

VIRGINIA ARCHITECT
LICENSE NUMBER 0401017034

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REVISION DATE: 04/08/26

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SHEET NUMBER:

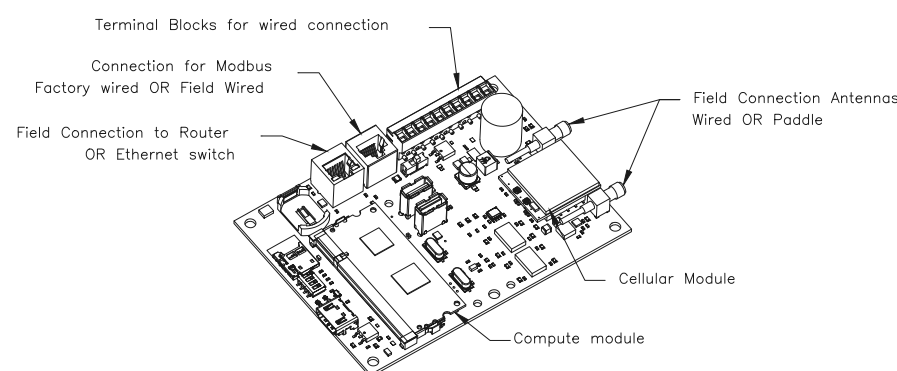
M-5

HVAC SYSTEM
N • C • A
CONSULTANTS / GROUP
6510 N. 125TH AVENUE, SUITE #1001
LARGO, FLORIDA 33773
TELEPHONE: (877) 530-0078
CALL OR EMAIL NCA MARKETING FOR PRICING
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NCA JOB# 261490

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ELECTRICAL PACKAGE – JOB#6097873

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY							
				UTILITY CABINET RIGHT	1 LIGHT		FAN TAG	TYPE	HP	VOLT	FLA	
1		SC-120110MA_DO	UTILITY CABINET RIGHT	HOOD # 1	1 FAN	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	EF-Char	EXHAUST	1	0.500	115	6.3
							EF-Fry	EXHAUST	1	0.500	115	6.3

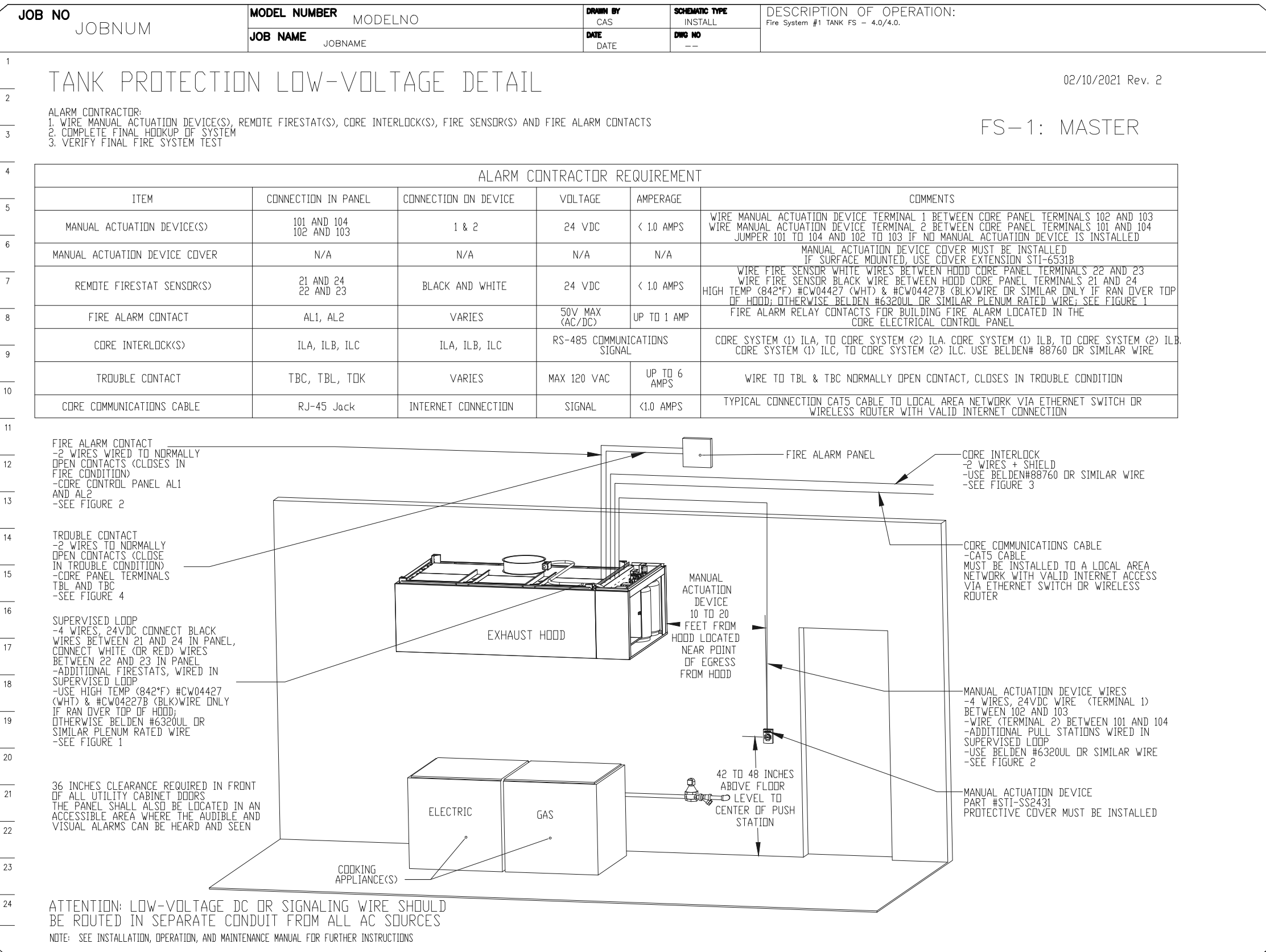
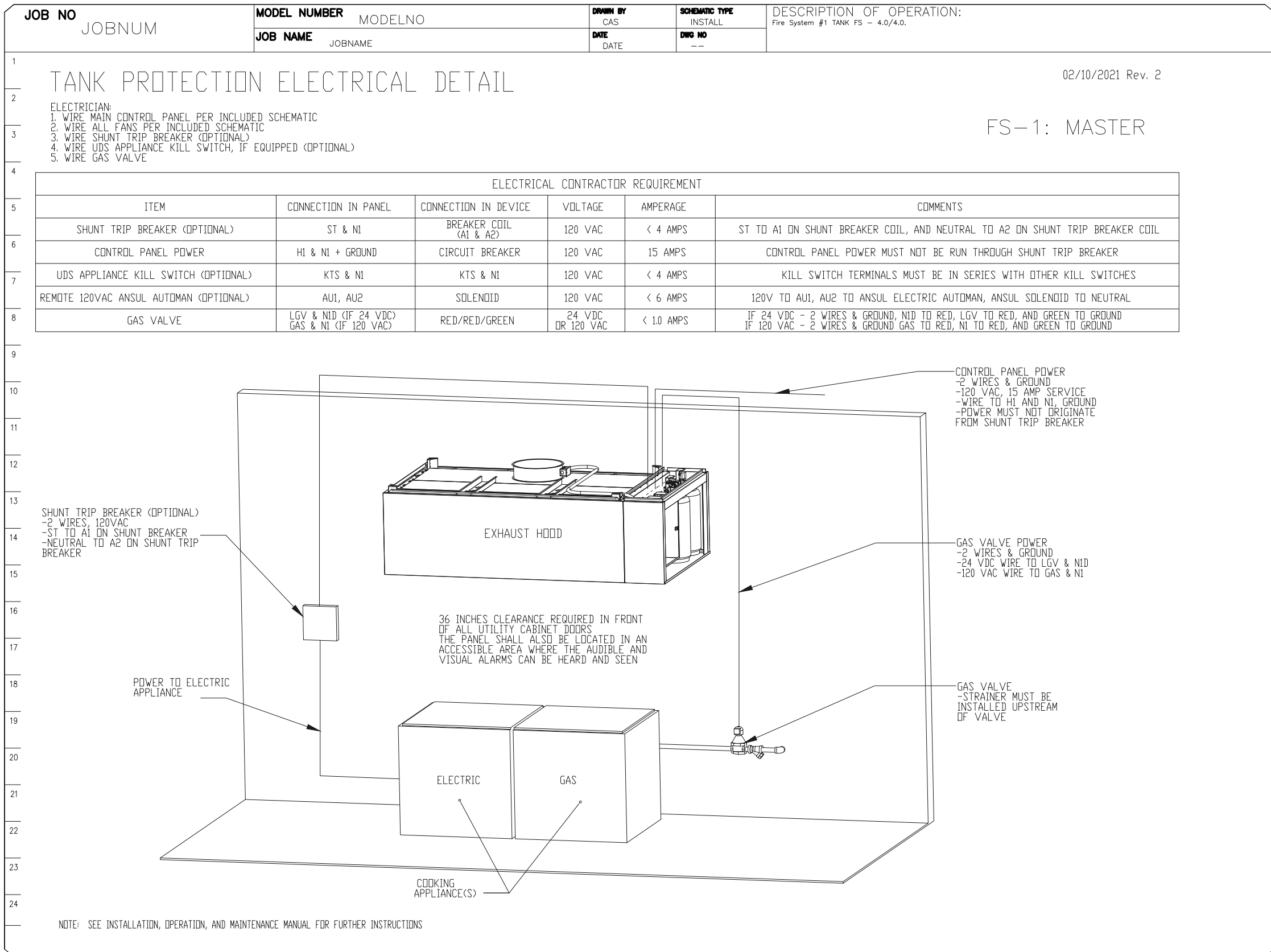
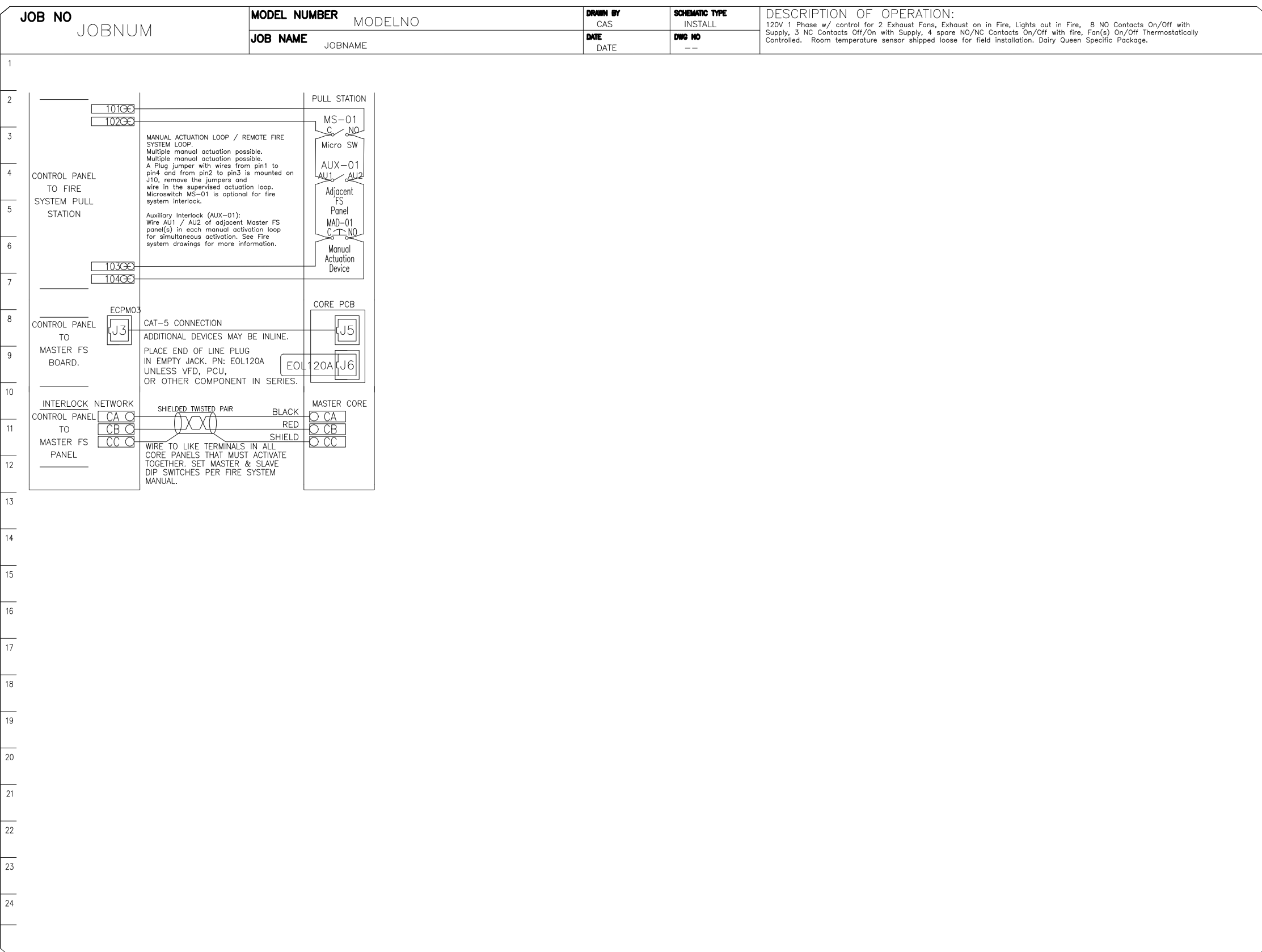
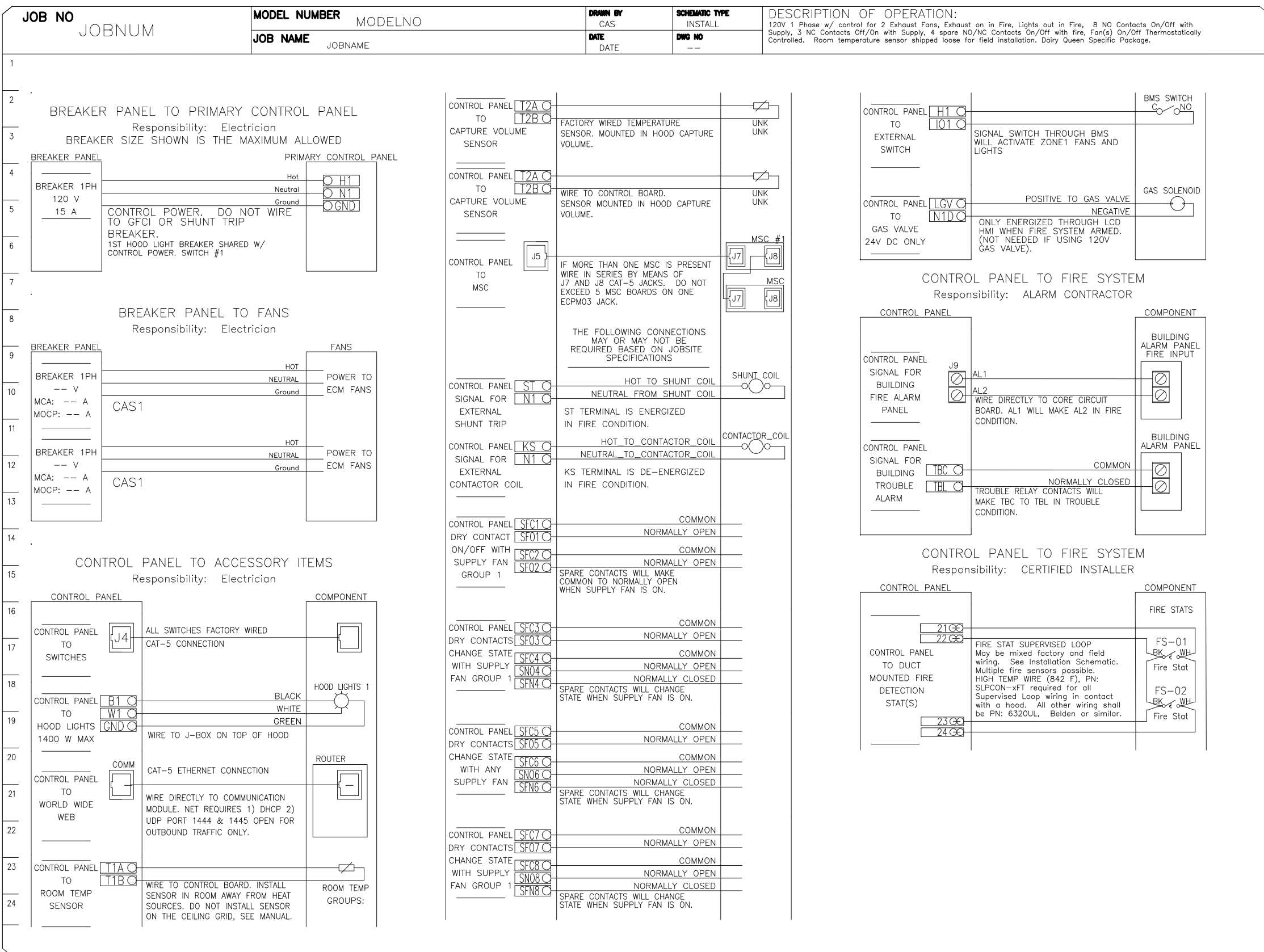


CASlink Monitor and Control

– Hood control panel to support communications to cloud-based Building Management System.
– Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
– Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.
– Hood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.

MONITORING AND CONTROL POINTS LIST

DCV Packages	Function	SC Packages	Function
Room Temperature	MONITOR	Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR	Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR	MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR	Kitchen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR	Controller Faults	MONITOR
Fan Amperage	MONITOR	Fan Status	MONITOR
Fan Power	MONITOR	PCV Faults	MONITOR
VPD Faults	MONITOR	PCV Filter Clog Percentages	MONITOR
Controller Faults	MONITOR	Fire Condition	MONITOR
Fan Status	MONITOR	CORE Fire System	MONITOR
PCV Faults	MONITOR	Building Pressures	MONITOR
PCV Filter Clog Percentages	MONITOR	Fans Buttons(s)	MONITOR & CONTROL
Fire Condition	MONITOR	Lights Buttons(s)	MONITOR & CONTROL
CORE Fire System	MONITOR	Wash Button	MONITOR & CONTROL
Building Pressures	MONITOR		
Prep Time Button	MONITOR & CONTROL		
Fans Button	MONITOR & CONTROL		
Lights Button	MONITOR & CONTROL		
Wash Button	MONITOR & CONTROL		



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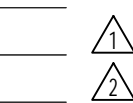
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