

PETSMART

19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100

PROJECT:

18K 2025 U.S.
VET SERVICES
INSTRUCTION
SET

FEBRUARY 12, 2025

ARCHITECT:

CONSULTANT:

CITY SEAL:

DESIGNER TO CONFIRM THIS
INFORMATION IS COMPLETE ON
THIS PROJECT SPECIFIC BASIS

CITY SEAL:

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THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

#	DESCRIPTION	DATE

PROJECT NO:

18K 2025 US INSTRUCTION SET

ORIGINAL SCALE:
AS INDICATED

DRAWN BY:XXX

CHECKED BY:XXX

PAGE #:
01OF:56

IF THIS BAR IS
NOT 1" LONG,
ADJUST YOUR
PLOTTING
SCALE

1"

DISCIPLINE:

ARCHITECTURAL

TITLE:

TITLE SHEET

SHEET NUMBER:

A0.0

(VERSION 44 UPDATED 02.04.25)		MATERIAL & PRODUCT & NATIONAL VENDOR SCHEDULE			
SPEC. SECTION & TITLE		MATERIAL	PRODUCT(S)	MANUFACTURER(S) OR REQUIRED VENDOR (NO EXCEPTIONS)	
03331 - POLISHED CONCRETE FLOOR SYSTEM		GRINDING, POLISHING, DENSIFIER, & STAIN GUARD	PER SPECIFICATIONS & SHEET A2.0	PERFECT POLISH 184 CEDAR PLACE NORRIS, TN 37058 PRIMARY CONTACT: JOHN HEIDMANN P. (865) 494-1833 C. (865) 207-1422 JOHN.HEIDMANN@PERFECTPOLISHONLINE.COM SECONDARY CONTACT: KYLE TREPANIER P. (877) 917-4463 EXT. 205 C. (865) 599-8573 KYLE.TREPANIER@PERFECTPOLISHONLINE.COM	
				OR TOTAL POLISH SOLUTIONS 4636 FENNEL ROAD KNOXVILLE, TN 37912 PRIMARY CONTACT: SHANE SEXTON P. (865) 633-5051 EXT. 27 C. (865) 755-9510 SSEXTON@TOTALPOLISHSOLUTIONS.COM PETSMAART@TOTALPOLISH.COM SECONDARY CONTACT: BRIAN DIFFIN P. (865) 633-5051 EXT. 44 C. (865) 805-5207 BDIFFIN@TOTALPOLISHSOLUTIONS.COM	
04810 - REINFORCED CONCRETE MASONRY		INTEGRAL WATER REPELLENT ADMIXTURE	DRY-BLOCK	W.R. GRACE & CO.	
05210 - STRUCTURAL STEEL			PER SPECIFICATIONS & STRUCTURAL SHEETS	CANAM STEEL CORPORATION USA 22253 WEST SOUTHERN AVE. BUCKEYE, AZ 85326 PRIMARY CONTACT: MARC REID P. (602) 386-1900 C. (480) 639-8788 MARC.REID@CSCSTEELUSA.COM SECONDARY CONTACT: GRANT HEINRICH P. (602) 386-1900 C. (480) 272-3426 GRANT.HEINRICH@CSCSTEELUSA.COM	
05310 - METAL ROOF DECK					
06402 - INTERIOR ARCHITECTURAL WOODWORK		ARCHITECTURAL WOODWORK & CASEWORK	PER SPECIFICATIONS & ARCHITECTURAL SHEETS	ADVANCED FIXTURES INC. (AFI) 2655 E. AUDIE MURPHY PKWY. FARMERSVILLE, TX 75442 PRIMARY CONTACT: JACKSON BROOKS P. (972) 778-6800 EXT. 235 C. (865) 696-6586 JBROOKS@ADVANCEDFIXTURES.COM PETSMAART@ADVANCEDFIXTURES.COM	
09721 - WALL PANEL COVERING (FRP)		WALL PANEL COVERING SYSTEM	QC TO CONFIRM MANUFACTURERS INSTALLATION INSTRUCTIONS (NO EXCEPTIONS)		
07210 - BUILDING INSULATION		PERIMETER INSULATION BLANKET INSULATION SAFING INSULATION SOUND ATTENUATION INSULATION ACOUSTICAL SEALANT	STYROFOAM SM FSK-25 FSK-25 THERMAFIBER THERMAFIBER MINERAL FIBER TYPE 1 ACOUSTICAL SEALANT	THE DOW CHEMICAL CO. JOHNS MANVILLE OWENS CORNING FIBERGLASS CO. OWENS CORNING FIBERGLASS CO. OWENS CORNING FIBERGLASS CO. U.S.G. INTERIORS U.S.G. INTERIORS	
07240 - EXTERIOR INSULATION AND FINISH SYSTEM		EXTERIOR INSULATION FINISH SYSTEMS DRAINAGE SYSTEM	STO-THERM ESSENCE NEXT - 7 YEAR WARRANTY OUTSULATION PLUS MD SYSTEM - 7 YEAR WARRANTY	STO CORP. DRYVIT	
07540 - MEMBRANE ROOFING SYSTEM		SINGLE PLY MEMBRANE ROOF SYSTEM	SURE WELD MECHANICALLY FASTENED	CARLISLE SYNTEC INC. PO BOX 7000 CARLISLE, PA 17013 PRIMARY CONTACT: JANIAL MACK P. (717) 245-7393 F. (404) 661-3917 JANIAL.MACK@SYNTEC.CARLISLE.COM	
07842 - FIRE RESISTIVE JOINT SYSTEM SEALANT		FIRE RETARDANT SEALANT	FIRE BARRIER PENETRATING SEALING SYSTEM	3M (LOCAL DISTRIBUTOR IS CRS SUPPLY, INC.), PHOENIX, AZ P. (602) 271-0180	
07920 - JOINTS SEALANTS		RESTROOM SEALANT WET AREAS (BATHING, DRYING, RECEIVING)	SILICONE BASE, TYPE II, CLASS A PREMIUM GRADE HIGH PERFORMANCE POLYURETHANE BASED SEALANT - SIKAFLEX 1A	DOW CORNING OR GE SIKA	
08110 - HOLLOW METAL DOORS AND FRAMES		HOLLOW METAL DOORS & FRAMES	PER SPECIFICATIONS & SHEET A6.0	COOK AND BOARDMAN 345 MASON RD. LA VERGNE, TN 37086	
08111 - PRE-FINISHED FRAMES		INTERIOR PRE-FORMED METAL DOOR FRAMES	PER SPECIFICATIONS & SHEET A6.0	PRIMARY CONTACT: TAMMY WILLIAMS P. (615) 903-9036 PETSMAART@COOKANDBOARDMAN.COM TWILLIAMS@COOKANDBOARDMAN.COM	
08210 - WOOD DOORS		WOOD DOORS & RELATED ITEMS	PER SPECIFICATIONS & SHEET A6.0	SECONDARY CONTACT: KEVIN JOHNSON P. (615) 964-4000 EXT. 4521 PETSMAART@COOKANDBOARDMAN.COM KJOHNSON@COOKANDBOARDMAN.COM	
08710 - FINISH HARDWARE		DOOR HARDWARE RODENT RESISTANT DOOR SWEEPS	PER SPECIFICATIONS & SHEET A6.0 PER SPECIFICATIONS & SHEET A6.0	GMT / XCLUDER 750 W. LAKE COOK RD., SUITE 480 BUFFALO GROVE, IL 60089 PRIMARY CONTACT: BEN CHANNON P. (847) 495-4700 EXT. 1154 C. (847) 269-4057 BENC@GMT-INC.COM	
08310 - IMPACT DOORS		IMPACT DOORS AND HARDWARE	PER SPECIFICATIONS & SHEET A6.0	SENNECA HOLDINGS (ELIASON) 11502 CENTURY BLVD. CINCINNATI, OH 45246 PRIMARY CONTACT: GLEN OLTMANN P. (714) 402-6265 GOLTMANN@SENNECA.COM	
08311 - ACCESS DOORS AND FRAMES		METAL ACCESS DOOR & RELATED ITEMS	KRVB, KDW, DSC-214PL & DSC-214M	KARP ASSOCIATES, MASPETH, NY EQUAL BY BILCO	
08363 - SECTIONAL OVERHEAD DOORS		SECTIONAL OVERHEAD DOOR	CLO-PAY - MODEL #3200 (WITH XCLUDER RODENT RESISTANT SEALS)	DH PACE 1901 E. 119TH ST. OLATHE, KS 66061	
11160 - LOADING DOCK EQUIPMENT		VERTICAL DOCK LEVELER - HYDRAULIC DOCK BUMPERS	SERCO - MODEL #VSL5740 MODEL #WB420-11FF	PRIMARY CONTACT: BRANDON VAUGHN C. (404) 387-5307 BRANDON.VAUGHN@DHPACE.COM PETSMAARTDOORS@DHPACE.COM	
		WHEEL CHOCK SAFETY KIT (CHOCK & SIGN)	APS - LAMINATED RUBBER	SECONDARY CONTACT: KRISTI JANEWAY P. (816) 486-2523 C. (816) 510-8220 KRISTI.JANEWAY@DHPACE.COM	
		DOCK SEALS	SERCO - SERIES #S-600		
		TRACK GUARDS	APS - MODEL #TS48SD		
	PIT MOUNTED SCISSOR LIFT (AS APPLICABLE ONLY)	SERCO - MODEL #SOL69-8			
	SURFACE MOUNTED SCISSOR LIFT (AS APPLICABLE ONLY)	SERCO - MODEL #SOL69-8			

MATERIAL & PRODUCT & NATIONAL VENDOR SCHEDULE			
SPEC. SECTION & TITLE	MATERIAL	PRODUCT(S)	MANUFACTURER(S) OR REQUIRED VENDOR (NO EXCEPTIONS)
08411 - ALUMINUM FRAMED ENTRANCES AND STOREFRONTS	EXTERIOR ALUMINUM STOREFRONT FRAMING	FG 3000	VISTAWALL
	INTERIOR ALUMINUM DOORS	35D SERIES MEDIUM STILE	UNITED DOOR AND HARDWARE 14400 COLLEGE BLVD., SUITE 100 LENEXA, KS 66215
	INTERIOR ALUMINUM DOORS	500 SERIES WIDE STILE (USED ONLY WHEN DOORS REQUIRE KEYPAD PER HARDWARE GROUP)	PRIMARY CONTACT: TERRY SIEGRIST P. (717) 522-7003 C. (717) 286-4023
	INTERIOR ALUMINUM WINDOWS & DOOR FRAMES	300 SERIES CLEAR ANODIZED WI KO FRAME & 304-1 TRIM	PETSMART@AMERICANDIRECTCO.COM SECONDARY CONTACT: CHERILYN HOSTETLER C. (717) 522-7008 CHERYLNH@AMERICANDIRECTCO.COM PETSMART@AMERICANDIRECTCO.COM
08461 - SLIDING AUTOMATIC ENTRANCE DOORS	AUTOMATIC SLIDING DOORS AND CONTROLS	(EXTERIOR) MODEL #SL500 EXTERIOR DOORS W/ TRANSCOM & PREPPED FOR 1" INSULATED GLASS (INTERIOR) MODEL #SL500	ASSA ABLOY ENTRANCE SYSTEMS INC 300 HORIZON CENTER, SUITE 302 HAMILTON, NJ 08691 PRIMARY CONTACT: BRYAN CARTER P. (860) 210-2419 BRYAN.CARTER@ASSAABLOY.COM PETSMART.US.ENTRANCE@ASSAABLOY.COM SECONDARY CONTACT: ROSS MERKLING C. (704) 221-2988 ROSS.MERKLING@ASSAABLOY.COM
08800 - GLAZING	1" INSUL. EXT. TEMPERED PERFORMANCE GLASS	SOLARBAN #9 (2) + CLEAR (60, 70 OR 90)	PPG INDUSTRIES
	1/4" INT. GLASS (TEMPERED)	SINGLE PANE	PPG INDUSTRIES
09260 - GYPSUM BOARD ASSEMBLIES	GYPSUM WALLBOARD	U.S.G. INTERIORS OR GEORGIA PACIFIC	U.S.G. INTERIORS OWENS CORNING FIBERGLASS CO. GEORGIA PACIFIC RAY BAR OR WAVE BARRIERS
	METAL STUD FRAMING SOUND ATTENUATION INSULATION WATER RESISTANT INTERIOR PANEL LEAD LINED WALLBOARD	PER SHEET A9.0 TYPE 1 DENSARMOUR PLUS 1/32" LEAD LINED SHEETROCK	
09310 - CERAMIC TILE	WALL CERAMIC TILE	PER SHEET A7.0 & ALL ELEVATION SHEETS	DALTILE 7834 C. F. HAWN FREEWAY DALLAS, TX 75217 PRIMARY CONTACT: JENNA LASSEN C. (480) 818-2269 JENNA.LASSEN@DAL TILE.COM NATIONALACCOUNTS@DAL TILE.COM
	MORTAR	PER SHEET A7.0	
	GROUT	PER SHEET A7.0	
	FINISHING & EDGE PROTECTION	PER SHEET A7.0	
09651 - WALL BASE	RUBBER COVE BASE	PER SHEET A7.0	JOHNSONITE
09511 - ACOUSTICAL PANEL CEILINGS	LAY-IN CEILING PANEL VINYL COATED LAY-IN CEILING PANEL (BATHING AREA) FIBERGLASS LAY IN CEILING PANEL (DRYING AREA) SUSPENSION SYSTEM SUSPENSION SYSTEM (DRYING AREA)	PER SHEETS A3.0 & A3.1 PER SHEETS A3.0 & A3.1 PER SHEETS A3.0 & A3.1 SERIES DX 151/8" CLASSIC STAB	U.S.G. INTERIORS U.S.G. INTERIORS CERTAINTEED U.S.G. DONN BRAND CERTAINTEED
09910 - PAINTING	PAINTING	PER SHEETS A3.0, A3.1, A4.0, A7.0	PPG PAINTS 1100 ARLINGTON CT. INDIANAPOLIS, IN 46280 PRIMARY CONTACT: RICK GARLIN C. (317) 318-5800 GARLIN@PPG.COM
10285 - IMPACT RESISTANT WALL PROTECTION	WALL GUARD BUMPERS	SALES AREAS: FR270 #410 BRUSHED SILVER FRP CORNER GUARD TYPE SSM-20, #410 BRUSHED SILVER FRP CRASH RAIL SCR-48N, #410 BRUSHED SILVER WITH COLOR MATCHED ADJUSTABLE END CAPS	CONSTRUCTION SPECIALTIES 4005 ROYAL DR., SUITE 300 KENNESAW, GA 30144 PRIMARY CONTACT: BRYAN PETERSON P. (425) 229-3479 BRPETERSON@C-SGROUP.COM NATIONALACCOUNTS@C-SGROUP.COM CUSTOMERCAREORDERS@C-SGROUP.COM
	CORNER GUARDS		
	CRASH RAIL		
10800 - TOILET AND BATH ACCESSORIES	TOILET PAPER DISPENSER	ITEM NO. 850187 KLEENLINE UNIVERSAL JUMBO SINGLE ROLE TISSUE DISPENSER, CORE: 3" WITH ADAPTER CODE. COLOR: BLACK	BRADY PLUS 2400 SULLIVAN ROAD COLLEGE PARK, GA 30037 PRIMARY CONTACT: JENNIFER WATTS P. (800) 359-7200 EXT. 3907 JENNIFER.WATTS@BRADYPLUS.COM SECONDARY CONTACT: DEAN PARHAM C. (404) 962-9298 DEAN.PARHAM@BRADYPLUS.COM
	PAPER TOWEL DISPENSER	ITEM NO. 850185 KLEENLINE HANDS FREE UNIVERSAL ROLL DISPENSER, CORE: 1.5"-2", COLOR: BLACK, (ALL RESTROOMS, HOLDING ROOMS, FISH PREP, ADOPTIONS, ASSOCIATE RESOURCES)	
	CENTER PULL PAPER TOWEL DISPENSER	ITEM NO. 855164 GEORGIA PACIFIC CENTERPULL TOWEL DISPENSER, COLOR: BLACK (ALL PET CLEANUP STATIONS)	ALL DISPENSERS FROM BRADY PLUS ARE PRE-PURCHASED BY PETSMART. (EXCEPT FOR THE VET SERVICES PAPER TOWEL DISPENSER WHICH IS PURCHASED BY THE GC FROM BRADY PLUS). GC IS TO REQUEST AN ORDER FORM FROM BRADY PLUS, PROVIDE THE QUANTITIES NEEDED, AND PROVIDE THE DATE WHEN NEEDED.
	TOILET SEAT COVER DISPENSER	ITEM NO. HG-1.2 HOSPECO WHITE	
	VET SERVICES: PAPER TOWEL DISPENSER (LOCATIONS PER PLANS)	ASI 10-0215 (STAINLESS STEEL, SURFACE MOUNTED)	
	SOAP DISPENSER	ITEM NO. D1224700 (BLACK) FOAM DISPENSER 1250 ML, (ALL RESTROOMS, HOLDING ROOMS, FISH PREP, ADOPTIONS, ASSOCIATE RESOURCES)	ODP BUSINESS SOLUTIONS - US 6600 N MILITARY TRAIL BOCA RATON, FL 33496 PRIMARY CONTACT: WOANA DAOUD C. (310) 694-4231 WOANA.DAOU@ODPBUSINESS.COM SECONDARY CONTACT: SUE ESPLIN C. (562) 728-7436 SUE.ESPLIN@ODPBUSINESS.COM
	HAND SANITIZER DISPENSER	ITEM NO. D1224700 (BLACK) (ALL RESTROOMS, HOLDING ROOMS, FISH PREP, ADOPTIONS, ASSOCIATE RESOURCES, SALON, DRYING AREA)	
	MIRROR	B-293 BOBRICK 16" x 36" TLT MIRROR	HAINES, JONES & CADBURY (HJC) 2706 OTIS CORLEY DRIVE, SUITE 6 BENTONVILLE, AR 72712 PRIMARY CONTACT: SYSTRIA CHILDERS P. (800) 458-7099 EXT. 594 SYSTRIA.CHILDERS@HJC.COM P. (479) 717-5428 ASHLEY.MAY@HJC.COM
	SANITARY NAPKIN DISPOSAL	B-270 BOBRICK STAINLESS STEEL (SURFACE MOUNTED)	
	GRAB BAR - HORIZONTAL/VERTICAL (L-SHAPE)	B32-47 BOBRICK 30" x 30"	
	GRAB BAR - HORIZONTAL	B-380R-24 BOBRICK 24" (REAR WALL ABOVE WC)	
	GRAB BAR ANCHORS	SERIES 256 E1 BOBRICK (SUIT FASTENERS TO WALL TYPE)	
BABY CHANGING SHELF	KOALA BEAR KARE HORIZONTAL DESIGN MODEL #KB300-01 GREY		
CLOTHES HOOK AND BUMPER	B-212 BOBRICK ALUMINUM WITH MATTE FINISH		
STAINLESS STEEL SHELF	B-295 BOBRICK 16" x 5" (ALL RESTROOMS AND ABOVE EWC)		

MATERIAL & PRODUCT & NATIONAL VENDOR SCHEDULE					
SPEC. SECTION & TITLE	MATERIAL	PRODUCT(S)	MANUFACTURER(S) OR REQUIRED VENDOR (NO EXCEPTIONS)		
12000 - FURNISHINGS	CART BUMPER (FLOOR MOUNTED SHOPPING CART GUARD)	CB CART BUMPER ASSEMBLY - CHROME PLATED RAIL, ZINC PLATED SPRING POST, UNIT HEIGHT: 7-1/2" UNIT LENGTHS: 2', 3', 4', 5', 6' UNIT DEPTH: 4-3/4"	ALVARADO MANUFACTURING CO. (CART BUMPERS) 10600 COLONY ST. CHINO, CA 91710 PRIMARY CONTACT: SUE THEISING P. (909) 591-8431 EXT. 321 STHEISING@ALVARADOMFG.COM SECONDARY CONTACT: DALE STATON P. (809) 591-8431 EXT. 330 C. (700) 964-2386 DSTATON@ALVARADOMFG.COM		
	POST & RAIL (FLOOR MOUNTED SHOPPING CART QUEUING FENCE)	VOGUE MODULAR POST & RAIL - CHROME PLATED POSTS AND RAILS. DOUBLE RAIL CONFIGURATION. POST HEIGHT: 35".	NATIONAL CART CO. INC. (CART CORRALS IN PARKING AREAS) 3125 BOSCHERTOWN RD. ST. CHARLES, MO 63301 PRIMARY CONTACT: DENISE MOORE P. (636) 947-3800 EXT. 134 DENISE.MOORE@NATIONALCART.COM		
	PARKING LOT SHOPPING CART CONTAINMENT	GALVANIZED PIPE CART CORRAL(S) #600-10	ROHEN FIRE PROTECTION LTD. (FIRE SAFETY PLAN AND BOX) 20 VENTURE DRIVE, UNIT 8 SCARBOROUGH, ON M1B 3R7 PRIMARY CONTACT: WES JASPER P. (416) 291-9127 WES.JASPER@ROHENFIRE.CA		
	FIRE ALARM SAFETY PLAN BOX (WALL MOUNTED)	MODEL #FSPB-1 (VESTIBULE)	ROLL-A-SHADE, INC. (WINDOW SHADES: SOLAR & GRAPHIC) 12101 MADERA WAY RIVERSIDE, CA 92503 PRIMARY CONTACT: MATT MATA P. (951) 946-5269 MATTHEW.MATA@ROLLASHADE.COM ESTIMATES@ROLLASHADE.COM		
	SOLAR WINDOW SHADES	PHIFER SHEERWEAVE STYLE 4100 (10% OPEN WEAVE) COLOR: U62 ECOGRANITE. INTERNAL HEMBAR, WHITE STANDARD BRACKETS, WHITE CLUTCHES WISS CHAIN, GREY COLORED CHILD SAFETY TENSION DEVICE	BATTERY CHARGER	PER SHEET E2.2	SUPPLIED BY PETSMART
	SOLAR WINDOW SHADES WITH GRAPHICS	SAME AS ABOVE, EXCEPT THE COLOR IS TO BE US8 CHALK (USED IN PETSHOTEL, ONLY U.N.O.)	ASHTRASH CAN	BARLETTA DOME TOPS - WITH ASHTRAY GRAY (PRD124GRAAT) BRILETTA DOME TOPS - WITH ASHTRAY BEIGE (PRD124BEAT)	JANISAN INC. PO BOX 160332 CLEARFIELD, UT 84016 PRIMARY CONTACT: THUVAN ZIMMER P. (808) 526-4728 TZIMMER@JANISAN.COM
	BATTERY CHARGER	PER SHEET E2.2			
15105 - PLUMBING	PLUMBING FIXTURES & EQUIPMENT	PER SPECIFICATIONS & PLUMBING SHEETS	HAINES, JONES & CADBURY (HJC) 2706 OTIS CORLEY DRIVE, SUITE 6 BENTONVILLE, AR 72712 PRIMARY CONTACT: SYSTRA CHILDERS P. (800) 459-7099 EXT. 5964 SYSTRA.CHILDERS@HJCINC.COM PS@HJCINC.COM SECONDARY CONTACT: ASHLEY MAY P. (479) 717-5428 ASHLEY.MAY@HJCINC.COM		
10155 - TOILET COMPARTMENTS	TOILET COMPARTMENTS & URINAL SCREENS	FLUSHMETAL PARTITIONS - SERIES 400 FLOOR MOUNTED, OVERHEAD BRACED FACTORY FINISHED ENAMEL - #2125 DOVE GREY, URINAL SCREEN SUPPORT POST TO BE FULL HEIGHT FROM FLOOR TO CEILING.	LENNOX INTERNATIONAL 2140 LAKE PARK BLVD. RICHARDSON, TX 75080-2254 PRIMARY CONTACT: JANE GUNTER P. (972) 487-8869 JANE.GUNTER@LENNOXIND.COM PETSMART@LENNOXIND.COM SECONDARY CONTACT: ADRIAN SOSA C. (940) 439-7947 ADRIAN.SOSA@LENNOXIND.COM TECHNICAL SUPPORT: (800) 367-6285 APPLICATION SUPPORT: (888) 595-4962		
15204 - HEATING, VENTILATION, AIR CONDITIONING	MECHANICAL EQUIPMENT	PER SPECIFICATIONS & MECHANICAL SHEETS	MELINK CORPORATION 5140 RIVER VALLEY RD. MILFORD, OH 45150 PRIMARY CONTACT: JON SAWYER P. (513) 965-6077 JSAWYER@MELINKCORP.COM PETSMART@MELINKCORP.COM SECONDARY CONTACT: PETE WARTHER P. (513) 965-7024 PWARTHER@MELINKCORP.COM		
15204 - HVAC TEST & BALANCE	HVAC TEST & BALANCE	PER SPECIFICATIONS & MECHANICAL SHEETS	MELINK CORPORATION 5140 RIVER VALLEY RD. MILFORD, OH 45150 PRIMARY CONTACT: JON SAWYER P. (513) 965-6077 JSAWYER@MELINKCORP.COM PETSMART@MELINKCORP.COM SECONDARY CONTACT: PETE WARTHER P. (513) 965-7024 PWARTHER@MELINKCORP.COM		
16000 - BUILDING AUTOMATION & AUTOMATIC TEMPERATURE CONTROL SYSTEMS	AUTOMATION AND TEMPERATURE CONTROL SYSTEMS EQUIPMENT	PER SPECIFICATIONS & ELECTRICAL SHEETS	NEXREV 601 DEVELOPMENT DRIVE PLANO, TX 75074 PRIMARY CONTACT: CRAIG DAVIS P. (972) 303-8566 C. (720) 384-9698 CRAIGDAVIS@NEXREV.COM PETSMART@NEXREV.COM SECONDARY CONTACT: BARB RYAN P. (972) 303-8530 C. (214) 218-0561 BARBRYAN@NEXREV.COM TECHNICAL SUPPORT P. (866) 801-5520		
16400 - SERVICE & DISTRIBUTION	SERVICE EQUIPMENT & DISTRIBUTION SWITCHGEAR	PER SPECIFICATIONS & ELECTRICAL SHEETS	VILLA LIGHTING 2525 CHATEAU AVE. ST. LOUIS, MO 63103 PRIMARY CONTACT: MELISSA BERRY P. (314) 633-9414 MELISSA.BERRY@VILLALIGHTING.COM PETSMART@VILLALIGHTING.COM SECONDARY CONTACT: JEFF PLASKON P. (216) 338-2396 JEFF.PLASKON@VILLALIGHTING.COM DOVER FOOD RETAIL (HILL PHOENIX) 2016 GEES MILL ROAD CONYERS, GA 30013 PRIMARY CONTACT: KRISTY PITCHFORD P. (770) 285-3218 KPITCHFORD@DOVERFOODRETAIL.COM DPR-EDP-PETSMART@DOVERFOODRETAIL.COM SECONDARY CONTACT: SCOTTY MAY C. (770) 285-3248 SMAY@DOVERFOODRETAIL.COM		
16500 - LIGHTING	LIGHT FIXTURES, RECEPTACLES, DELIVERY BUZZERS AND HORNS, GENERATOR SLEEVE, COVER PLATES, BIRD DETERRENT SYSTEM, TIMER SWITCHES, & OTHER MISC. ELECTRICAL ITEMS	PER SPECIFICATIONS & ELECTRICAL SHEETS	VILLA LIGHTING 2525 CHATEAU AVE. ST. LOUIS, MO 63103 PRIMARY CONTACT: MELISSA BERRY P. (314) 633-9414 MELISSA.BERRY@VILLALIGHTING.COM PETSMART@VILLALIGHTING.COM SECONDARY CONTACT: JEFF PLASKON P. (216) 338-2396 JEFF.PLASKON@VILLALIGHTING.COM		
16720 - ALARM SYSTEM	FIRE ALARM & SECURITY ALARM EQUIPMENT.	PER SPECIFICATIONS & ELECTRICAL SHEETS	ADT COMMERCIAL 105 YAMATO RD.		

PETSMART 19601 North 27th Avenue Phoenix, Arizona 85027 - (623) 580-6100		
SUBJECT: 18K 2025 U.S. VET SERVICES INSTRUCTION SET FEBRUARY 12, 2025		
DESIGNER:		
DATE:		
PROJECT NAME:		
DRAWING SCALE:		
CLAIMER: THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY PETSMART. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.		
NOTES: This drawing is NOT TO BE SCALED.		
USED FOR:		
DESCRIPTION		DATE
PROJECT NO.: 18K 2025 US INSTRUCTION SET		
ORIGINAL SCALE: AS INDICATED		IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE _____
CHECKED BY:	XXX	
DRAWN BY:	XXX	
DATE:	OF:	1"
01	56	
CPLINE: ARCHITECTURAL		
E:		
PRODUCT		

OPENING SOON™ BANNER ORDER FORM



THIS BANNER PACKAGE CONSISTS OF (1) "OPENING SOON™" BANNER REQUIRED BY PETSMART



- 13 OZ BANNER MATERIAL
- DIGITAL PRINT
- GROMMETS, HEATS & WIND HOLES

petsmart.com

JOB SITE:	CONTRACTOR: (PAID BY)
PETSMART STORE # _____ NAME _____ STREET _____ CITY _____ ST. _____ ZIP _____	COMPANY _____ STREET _____ CITY _____ ST. _____ ZIP _____ PHONE _____
SHIP TO:	PAYMENT METHOD
CONTRACT PERSON _____ NAME _____ STREET _____ CITY _____ ST. _____ ZIP _____ PHONE _____	☐ CHECK ☐ CREDIT CARD ☐ VISA ☐ MASTERCARD
COST \$ 431.00 (INCLUDES 1 BANNER, SHIPPING AND HANDLING) LOCAL SALES TAX \$ _____ (PLEASE CALCULATE TAX) TOTAL ENCLOSED \$ _____	PURCHASERS NAME _____ (EXACTLY AS IT APPEARS ON CARD, IF APPLICABLE) SIGNATURE _____ DATE _____

The banner package will be shipped
 first to closest shipping location & business order
 (REQUIRED FOR PROCESSING AND PRODUCTION)
ALL BANNER ORDERS MUST BE PRE-PAID

COMPLETE THIS FORM FOR EACH SEPARATE PACKAGE.
 ATTACH A CHECK FOR FULL PRICE OR
 EMAIL FORM FOR CREDIT CARD PAYMENT TO:



Imagene National, Inc.
 24405 Star Road
 Hanover, Idaho USA 83607-4415
 tel. 208-365-6222 • imagenenational.com

Rory Paulson (208) 287-1923 rory.paulson@imagenational.com
Beth Ludden (986) 999-2123 beth.ludden@imagenational.com

OPENING SOON® BANNER ORDER FORM

THIS BANNER PACKAGE CONSISTS OF (1) "OPENING SOON" BANNER REQUIRED BY PETSMART

- 13 OZ BANNER MATERIAL
- DIGITAL PRINT
- GROMMETS, TIEMS & WIND HOLES

JOB SITE:

PETSMART STORE # _____
 NAME _____

 STREET _____
 CITY _____
 ST. _____ ZIP _____

CONTRACTOR: (PAID BY)

COMPANY _____

 STREET _____
 CITY _____
 ST. _____ ZIP _____
 PHONE _____

SHIP TO:

CONTACT PERSON _____
 NAME _____

 STREET _____
 CITY _____
 ST. _____ ZIP _____
 PHONE _____

PAYMENT METHOD ☐ CHECK ☐ CREDIT CARD
☐ VISA ☐ MASTERCARD

PURCHASERS NAME _____
(EXACTLY AS IT APPEARS ON CARD, IF APPLICABLE)
 SIGNATURE _____
 DATE _____

COST \$ _____ (INCLUDES 1 BANNER, SHIPPING AND HANDLING)
 LOCAL SALES TAX \$ _____ (PLEASE CALCULATE YOUR OWN)

TOTAL ENCLOSED \$ _____

THE BANNER PACKAGE WILL BE SHIPPED
 TEST TO CIRCUMCISE SHIPPING WITHIN 2-3 BUSINESS DAYS
 (REQUIRED FOR PROCESSING AND PRODUCTION)
 ALL BANNER ORDERS MUST BE PRE-PAID.

COMPLETE THIS FORM FOR EACH SEPARATE PACKAGE.
 ATTACH A CHECK FOR FULL PRICE OR
 EMAIL FORM FOR CREDIT CARD PAYMENT TO:

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Image National, Inc.
 134515 New Road
 Hampton, Idaho USA 83607-9415
 tel: 208-345-4200 image@imagenational.com

Image National • (208) 345-4020 • imagenational.com

Rory Paulson (208) 287-1923 rory.paulson@imagenational.com
 Beth Ludden (984) 999-2123 beth.ludden@imagenational.com

DESIGNER NOTE:
DESIGNER TO CONFIRM WITH
USER ON A PROJECT SPECIFIC
BASIS.

GENERAL CONTRACTOR MILESTONE REQUIREMENTS: (PER LEASE)

CONSTRUCTION SCHEDULE AND COST BREAKDOWN

WITHIN 10 WORKING DAYS OF EXECUTION AND DELIVERY OF THE CONTRACT FOR CONSTRUCTION AND BEFORE THE FIRST PARTIAL PAYMENT IS MADE, THE GENERAL CONTRACTOR SHALL DELIVER TO THE OWNER AND PETSMAART A CONSTRUCTION PROGRESS SCHEDULE VIA ONLINE POSTING, SHOWING, AT MINIMUM, THE PROPOSED DATES OF COMMENCEMENT AND COMPLETION OF EACH OF THE VARIOUS SUBDIVISIONS OF THE WORK REQUIRED UNDER THE CONSTRUCTION DOCUMENTS AS WELL AS CERTAIN MILESTONE DATES INCLUDING 50%, MILLWORK AND AQUARIUM INSTALLATION, PUNCH LIST AND TURNOVER (SETUP), WHICH ARE DESCRIBED BELOW.

PHONE LINE / SYSTEM INSTALLATION REQUIREMENTS.

LANDLORD WITH GENERAL CONTRACTORS ASSISTANCE SHALL COMPLETE THE FOLLOWING:

- LANDLORD TO CONFIRM BUILDING ADDRESS AT THE OUTSET OF BUILDING WORK.
- LANDLORD TO ORDER / RESERVE BROADBAND CABLE SERVICE FOR PETSMAART IN SITE SPECIFIC UTILITY PACKAGE. ORDER IS TO BE PLACED NO LATER THAN THE OUTSET OF BUILDING WORK.
- LANDLORD / CONTRACTOR TO INSTALL 3" CONDUIT TO PETSMAART PHONE BACKBOARD WITH PULL STRING TO D-MARK / PHONE PEDESTAL / PULL BOX FOR ROUTING OF CABLE. .TWO WEEKS PRIOR TO MILLWORK DATE.
- LANDLORD / CONTRACTOR SHALL INSTALL AND PAINT PHONE BACKBOARD (MATCH ADJACENT WALL COLOR) AND INSTALL GROUND WIRE / POWER OUTLET FOR PHONE CABLE INSTALLATION. .TWO WEEKS PRIOR TO MILLWORK DATE.
- LANDLORD / CONTRACTOR SHALL IDENTIFY AND RELAY LOCATION TO PETSMAART OF TELEPHONE DEMARC FOR SPACE (EXTERIOR OF BUILDING / SHARED UTILITY ROOM). ADDITIONALLY, THEY SHALL PROVIDE APPROXIMATE DISTANCE OF CABLE RUN TO PETSMAART INTERIOR PHONE BACKBOARD. .TWO WEEKS PRIOR TO MILLWORK.
- LANDLORD / CONTRACTOR ARE TO ENSURE PERMANENT POWER IS IN PLACE NO LATER THAN ONE WEEK PRIOR TO MILLWORK INSTALLATION (WEEK OF PHONE LINE CABLING).
- NOTE: PERMANENT POWER WILL BE REQUIRED PRIOR TO THIS TO COMPLETE INTERIOR FINISH WORK.
- LANDLORD / CONTRACTOR ARE TO ENSURE CABLE IS PULLED IN AND PUNCHED DOWN (DIAL TONE IS OPERATIONAL). ONE WEEK PRIOR TO MILLWORK INSTALLATION.
- LANDLORD / CONTRACTOR TO ENSURE ALL ELECTRICAL OUTLETS ARE WORKING AND MISC. PHONE J-BOXES ARE INSTALLED AT MILLWORK INSTALLATION DATE.
- LANDLORD / CONTRACTOR TO INSTALL POWER POLES IMMEDIATELY AFTER REGISTER LOCATIONS ARE SET DURING MILLWORK INSTALLATION. .FOR COMPLETION OF FOLLOW ON WORK.

50% OBSERVATION (NINE WEEKS PRIOR TO BUILDING TURNOVER /SET-UP)

ARCHITECT OF RECORD AND PETSMAART REPRESENTATIVE MUST CONDUCT A COURTESY "50% OBSERVATION" TO VERIFY PROJECT IS ON SCHEDULE AND IS BEING CONSTRUCTED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS. TIME AND DATE MUST BE COORDINATED WITH PETSMAART CONSTRUCTION MANAGER A MINIMUM OF THREE WEEKS PRIOR TO REQUESTED OBSERVATION DATE.

AT MINIMUM, GENERAL CONTRACTOR MUST CAUSE ALL TRADES TO MEET THE FOLLOWING REQUIREMENTS.

- ALL HVAC UNITS AND EXHAUST FANS TO BE SET ON ROOF CURBS.
- THE ELECTRICAL SERVICE EQUIPMENT MUST BE SET IN PLACE.
- ALL INTERIOR METAL STUD WALL FRAMING MUST BE COMPLETED.
- ALL "IN WALL" MECHANICAL / PLUMBING / ELECTRICAL ROUGHNS MUST BE COMPLETED.
- ALL STUD WALLS MUST HAVE DRYWALL INSTALLED ON ONE SIDE.
- ALL BLOCKING FOR WALL MOUNTED FIXTURES, EQUIPMENT, ETC. MUST BE INSTALLED INSIDE WALLS PER THE BLOCKING SCHEDULED.
- ALL WALL INSULATION MUST BE INSTALLED PER SPECIFICATIONS.
- ALL IN-WALL WATER LINES MUST BE INSULATED PER SPECIFICATIONS.
- ALL INTERIORSIDE OF THE METAL DECK AND ROOF FRAMING MUST BE PAINTED.
- SALES AREA AND RECEIVING AREA LIGHT FIXTURES MUST BE INSTALLED.
- ALL EXTERIOR DOORS MUST BE INSTALLED AND THE BUILDING MUST BE SECURED.
- EXTERIOR ENTRY CANOPY MUST BE STARTED.
- THE COMING SIGN BANNER MUST BE INSTALLED ON THE EXTERIOR OF THE BUILDING.
- A 4'x8' DRYWALL FINISH SAMPLE MUST BE PREPARED AND READY FOR SUBMITAL ON SITE.
- THE BUILDING TEMPERATURE MUST BE HELD AT A HEATING TEMPERATURE OF NOT LESS THAN 65 °F AND A COOLING TEMPERATURE OF NOT MORE THAN 79°.
- TEMPORARY LIGHTING MUST BE INSTALLED IN ALL AREAS OF SPACE SUFFICIENT TO CONDUCT THE OBSERVATION.

MILLWORK AND AQUARIUM DELIVERY (FOUR WEEKS PRIOR TO BUILDING TURNOVER)

GENERAL CONTRACTOR MUST CAUSE SUBCONTRACTORS TO BE APPROXIMATELY 95% COMPLETE PRIOR TO MILLWORK AND AQUARIUM DELIVERY. MILLWORK PACKAGE IS CONTRACTED AND COORDINATED BY GENERAL CONTRACTOR THROUGH PETSMAART'S REQUIRED VENDOR. MILLWORK PACKAGE WILL ARRIVE ON A MONDAY. AQUARIUM PACKAGE IS CONTRACTED THROUGH ANOTHER THROUGHT PETSMAART'S VENDOR. AQUARIUM EQUIPMENT WILL ARRIVE ON TUESDAY 2 WEEKS AFTER MILLWORK. COORDINATE VENDOR WITH PETSMAART CONSTRUCTION MANAGER.

GENERAL CONTRACTOR MUST CAUSE THE FOLLOWING ITEMS TO OCCUR PRIOR TO MILLWORK AND AQUARIUM DELIVERY.

- ALL FLOOR FINISHES 100% COMPLETED
- ALL PAINTING (FINISH COAT) 100% COMPLETED.
- MINIMUM 75% OF THE SALES FLOOR MUST BE CLEAR INCLUDING THE AREA SURROUNDING THE CHECKSTANDS AND THE AREA AROUND THE FISH EQUIPMENT. THIS IS WHERE THE MILLWORK AND AQUARIUM INSTALLERS WILL WORK FROM DURING THE INSTALL.
- EXTERIOR DOORS AND LOCKS MUST BE INSTALLED AND FUNCTIONING.
- ENTIRE BUILDING MUST HAVE CLEAR ACCESS INTO AND OUT OF THE BUILDING AND INTO AND OUT OF ALL ROOMS.
- ALL EXTERIOR ELEVATIONS RECEIVING SIGNAGE MUST BE READY FOR INSTALL.
- FORKIFT, BATTERY CHARGER, AND PALLET JACKS WILL BE DELIVERED TO STORE THE THURSDAY (CONFIRMED BY G.C.) BEFORE DELIVERY OF MILLWORK AND AQUARIUMS. CHARGER TO BE HOOKED UP AND PLUGGED INTO FORKIFT IMMEDIATELY SO IT IS FULLY CHARGED WHEN THE MILLWORK AND AQUARIUMS ARRIVE MONDAY MORNING.
- HAVE ALL STAINLESS STEEL SINKS ON SITE SO MILLWORK INSTALLER CAN CUT IN.
- UTILITY INFORMATION MUST BE POSTED ON WEB PAGE UNDER PROJECT INFO AREA.
- ROOFING AT THE TELEPHONE DEMARC MUST BE COMPLETED, CONNECTED, AND SERVICING THE BUILDING.
- THE ENTIRE SPACE MUST HAVE CONDITIONED AIR. THE HVAC SYSTEM MUST HAVE BEEN STARTED UP AND SHOULD BE FUNCTIONING. (DOES NOT NEED TO BE RUNNING THROUGH THE EMS SYSTEM AT THIS TIME.)
- ALL CEILING GRID AND TILE MUST BE INSTALLED WITH FUNCTIONING LIGHT FIXTURES AND HVAC DROPS INSTALLED.
- PHONE LINES FROM THE LOCAL EXCHANGE CARRIER MUST HAVE BEEN PULLED INTO THE BUILDING AND LANDED AT THE TELEPHONE DEMARC ON THE TELEPHONE BACKBOARD NEAR THE POWERWALL (IFC) ELECTRICAL SERVICE EQUIPMENT.
- THE ENTIRE BUILDING MUST BE BROOM CLEAN.
- CERTAIN ADDITIONAL ITEMS WILL BE REQUIRED BY THE GENERAL CONTRACTOR DURING THE MILLWORK AND AQUARIUM INSTALLATION PHASE. AT MINIMUM, THE FOLLOWING ITEMS MUST BE PROVIDED BY THE GENERAL CONTRACTOR
 - THE MILLWORK INSTALLER SHOULD INSTALL THE CHECK STANDS AS ONE OF THEIR FIRST TASKS. ONCE THE CHECK STANDS HAVE BEEN SET IN PLACE THE ELECTRICAL CONTRACTOR SHOULD IMMEDIATELY INSTALL THE POWER / DATA.
 - THE FINAL ELECTRICAL AND PLUMBING CONNECTIONS FOR THE AQUARIUM SYSTEM SHOULD BE MADE IMMEDIATELY FOLLOWING THE SYSTEMS INSTALLATION BUT NO LATER THAN THURSDAY OF THE INSTALLATION WEEK.

PUNCH LIST

THE ARCHITECT OF RECORD WILL PERFORM THE FINAL PUNCH LIST ALONG WITH THE PETSMAART CONSTRUCTION MANAGER APPROXIMATELY TEN BUSINESS DAYS AFTER GENERAL CONTRACTORS RECEIPT OF THE MILLWORK PACKAGE. GENERAL CONTRACTOR SHALL COORDINATE EXACT DATE AND TIME WITH PETSMAART CONSTRUCTION MANAGER. AT MINIMUM, THE FOLLOWING CRITERIA MUST BE MET PRIOR TO BUILDING PUNCH.

- ALL LIGHTING, HVAC, EMS, PLUMBING AND LIFE SAFETY SYSTEMS MUST BE 100% FUNCTIONAL.
- SUPERINTENDANT MUST HAVE COMPLETED THEIR OWN "PRE-PUNCH" AND REPORTED RESULTS TO PETSMAART CONSTRUCTION MANAGER.
- ALL PAINT TOUCH-UPS MUST BE COMPLETE.
- BUILDING FINAL CLEANING MUST BE COMPLETE.
- PARKING LOT MUST BE 100% COMPLETE INCLUDING ALL STRIPING, SIGNAGE AND CART CORRAELS.
- ANY LANDSCAPING MUST BE COMPLETED PER PLANS.
- ALL CONSTRUCTION TOOLS, EQUIPMENT AND MATERIALS MUST BE REMOVED.
- ATTIC STOCK MUST BE READY FOR VERIFICATION BY PETSMAART CONSTRUCTION MANAGER. SEE SECTION 1700 FOR FULL LIST OF REQUIRED PARTS.
- PROVIDE A PHOTO OF THE FIRE SPRINKLER HYDRAULIC CALCULATION SYSTEM PLACARD INSTALLED AT THE RISER TO PETSMAART CM.

BUILDING TURNOVER (SETUP)

BUILDING TURNOVER (ALSO KNOWN AS THE "SET-UP DATE") WILL OCCUR FOUR WEEKS AFTER RECEIPT OF THE MILLWORK PACKAGE. GENERAL CONTRACTOR WILL BE RESPONSIBLY AND INSTANTANEOUSLY COMPLIANT WITH THE PUNCH LIST PRIOR TO THIS DATE. PETSMAART'S FIXTURE VENDOR WILL ARRIVE ON MONDAY AT 8:00 AM LOCAL TIME. GENERAL CONTRACTOR WILL MEET THE FIXTURE VENDOR ON SITE TO TURN THE KEYS OVER TO THE FIXTURE INSTALLATION FOREMAN. AT MINIMUM, THE FOLLOWING CRITERIA MUST BE MET PRIOR TO THE SETUP DATE.

- GOVERNMENTAL PERMISSION TO FIXTURE MUST BE OBTAINED.
- GOVERNMENTAL PERMISSION TO INTERVIEW POTENTIAL EMPLOYEES MUST BE GRANTED ONE WEEK PRIOR TO THE "SET-UP DATE."
- ANY CLEANING REQUIRED BY PUNCH LIST REPAIRS MUST BE COMPLETED.
- GENERAL CONTRACTOR WILL COORDINATE WITH THE FIXTURE INSTALLER AND THE ELCTRICIAN FOR FIXTURES REQUIRING POWER DROPS APPROXIMATELY 4 DAYS AFTER FIXTURES START.

DESIGN NOTE:
DESIGNED TO REVISE TO REF # 3017
TO ADD 11.11.16 TO BE USED

ARCHITECTURAL

GENERAL KEY NOTES:

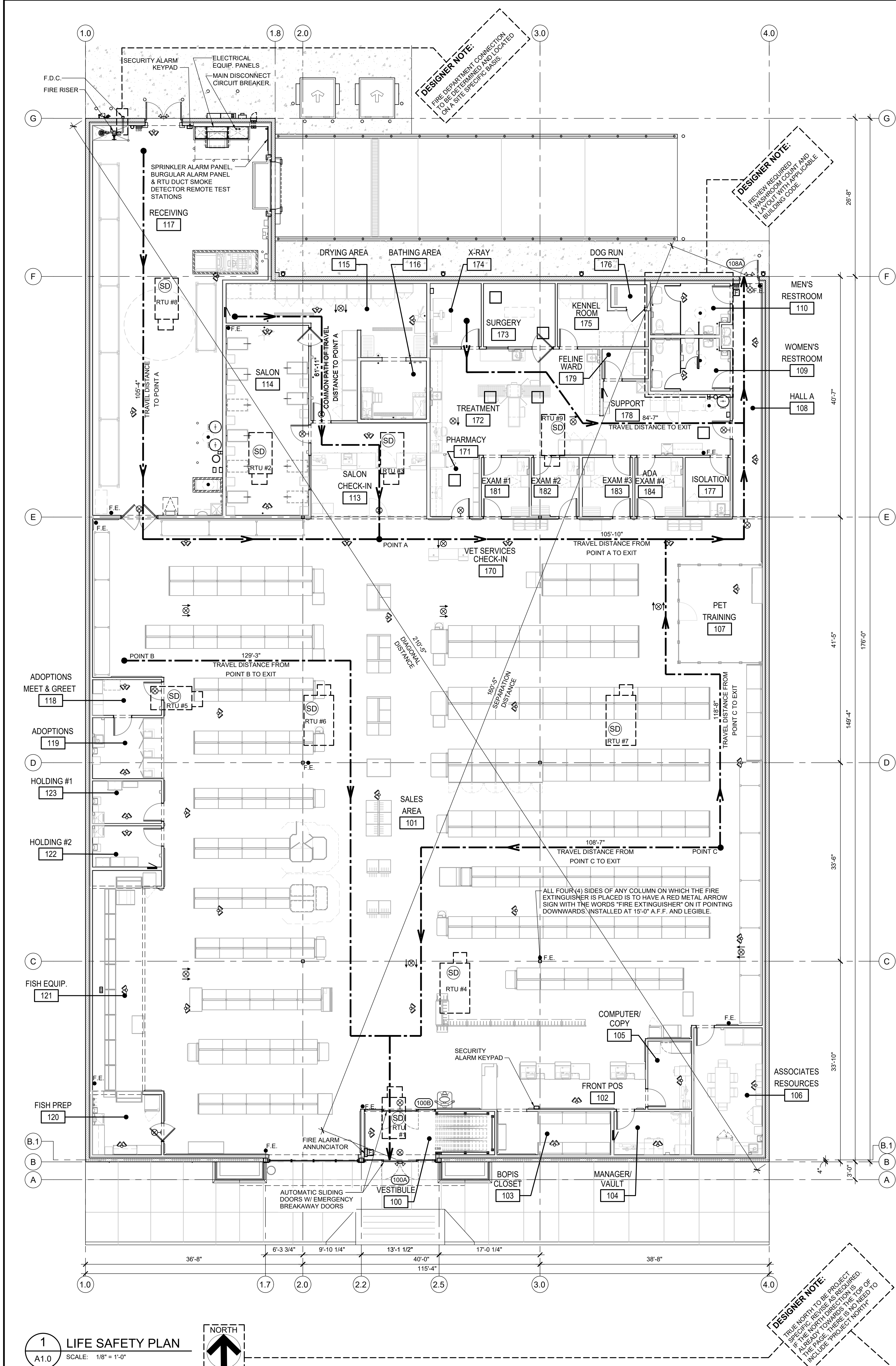
G1.	HIGH POINT OF CONCRETE - SLOPE TOWARD TRENCH.
G2.	4" WIDE PAINTED OUTLINE FOR EQUIPMENT ON FLOOR. PAINT TRAFFIC YELLOW.
G3.	TRENCH DRAIN.
G4.	FLOOR DRAIN - SLOPE FLOOR 1/4" FOR A 2'-0" DIA. AREA CENTERED ON DRAIN. SEE PLUMBING DRAWINGS. TOP OF DRAIN COVER TO FINISH FLOOR W/ TOP OF ADJ. FLOOR FINISH MATERIAL.
G5.	INTERIOR RAIN WATER LEADER
G6.	2x4 PEGBOARD (BY OTHERS).
G7.	REQUIRED CLEAR ACCESS AREA AT DOOR.
G8.	CONTINUOUS LIMESTONE COLORED SIKAFLEX SEALANT FOR TILE TRANSITION TO FLOOR.
G9.	STORAGE CABINET (BY OTHERS).
G10.	WASHER BOX FOR ICE MAKER - SEE PLUMBING DWGS.
G11.	2" x 2" PLASTIC CORNER GUARD - INSTALL PER MANUFACTURERS INSTRUCTIONS (REFER TO REQUIRED VENDOR LIST) BUTT WALL BASE TO CORNER GUARD. SEE DETAIL 11/A12.0.
G12.	2" x 2" ALUMINUM CORNER GUARD. WRAP JAMBS AND HEAD WHEN OCCURRING AT CASED OPENINGS - SEE DETAIL 12/A12.0. (FURNISH AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR)
G13.	WALL SURFACE MOUNTED CART BUMPER - 2'-6" TO CENTERLINE - PROVIDE BLOCKING - SEE DETAIL 7/A12.0 (SEE REQUIRED VENDOR LIST).
G14.	FLOOR MOUNTED CART BUMPER - POLISHED CHROME. (SEE REQUIRED VENDOR LIST.)
G15.	WALL SURFACE MOUNTED BUMPER GUARD ABOVE AND SURROUND MOUNTED CRASH RAIL BELOW. (SEE REQUIRED VENDOR LIST) SEE DETAIL 7/A12.0.
G16.	4" x 4" WALL MOUNTED TACKBOARD PROVIDED AND INSTALLED BY OTHERS.
G17.	4" x 6" WALL MOUNTED TACKBOARD PROVIDED AND INSTALLED BY OTHERS.
G18.	DECORATIVE FENCE AND GATE (NATIONAL ACCOUNT MILLWORK VENDOR).
G19.	CHEMICAL MIXING STATION (BY OTHERS).
G20.	REFRIGERATOR (BY OTHERS).
G21.	MILLWORK (NATIONAL ACCOUNT MILLWORK VENDOR)
G22.	VENDING MACHINES (BY OTHERS).
G23.	TAG MACHINE (BY OTHERS).
G24.	ADOPTION FUTURE / CAGES (NATIONAL ACCOUNT MILLWORK VENDOR).
G25.	PET TRAINING FIXTURE (NATIONAL ACCOUNT MILLWORK VENDOR).
G26.	SOAP DISPENSER.
G27.	SOAP DISPENSER. ATTACH TO RIGHT HAND CORNER OF MIRROR OVER SINK.
G28.	HAND SANITIZER
G29.	PAPER TOWEL DISPENSER. <u>SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2</u>
G30.	TOILET PAPER DISPENSER. <u>SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2</u>
G31.	TOILET SEAT COVER DISPENSER. <u>SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2</u>
G32.	SANITARY NAPKIN DISPOSAL. <u>SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2</u>
G33.	MIRROR - CAULK PERIMETER TO WALL WITH CLEAR SILICONE.
G34.	STAINLESS STEEL, 1-1/4" DIA. GRAB BAR. INSTALL HORIZ. WALL BLOCKING FOR SOLID MOUNTING. <u>TOP SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2</u>
G35.	KOALA BEAR KARE BABY CHANGER MANUFACTURED BY KOALA CORPORATION. HORIZONTAL TYPE. MOUNTED AT ACCESSIBLE HEIGHT. <u>SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2</u>
G36.	OVERHEAD BRACED METAL TOILET PARTITION AND URINAL SURROUND WITH FLOOR TO CEILING POST. PROVIDE WALL BUMPERS AT DATA STALL DOORS.
G37.	3/8" GALVANIZED EYEBOLT EPOXY ANCHORED 2 1/2" (MIN) IN FLOOR 4" OFF THE FACE OF WALL UNLESS NOTED OTHERWISE. TOP OF EYEBOLT TO BE 3" AFF.
G38.	INSULATED DRAIN AND HOT WATER LINE. <u>TOP SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2</u>
G39.	5'-0" A.D.A. TURNING DIAMETER
G40.	30" x 48" CLEAR ACCESS. <u>SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2</u>
G41.	LOW/HIGH DRINKING FOUNTAIN. MOUNT PER A.D.A. REQUIREMENTS - PROVIDE 2" BLOCKING AS REQUIRED. CAULK REAR OF DRINKING FOUNTAIN TO FRP W/ CLEAR SILICONE SEALANT.
G42.	CLOTHES HOOK AND BUMPER. <u>SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2</u>
G43.	WALLBOARD, PAINT - SEE FINISH SCHEDULE.
G44.	FRP WALL COVERING SYSTEM. INSTALL PER MFR. DETAILS & INSTRUCTIONS.
G45.	12" x 12" CERAMIC TILE. CONTINUE THE CERAMIC TILE BEHIND ALL FIXTURES.
G46.	6" x 24" CERAMIC TILE. CONTINUE THE CERAMIC TILE BEHIND ALL FIXTURES.
G47.	PROVIDE CONTINUOUS LIMESTONE COLORED SIKAFLEX 1A AT JOINT OF PLYWOOD WALL FINISH AND FLOOR.
G48.	4" RUBBER BASE
G49.	4" RUBBER BASE ON FRP. FRP INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR. RUBBER BASE INSTALLED BY GC
G50.	COMPOSITE BASE - TANGENT RESIN BOARD SUPPLIED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR
G51.	RECESSED ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS.
G52.	SALES AREA LIGHT FIXTURE IN FOREGROUND.
G53.	UNFINISHED WALLBOARD, TAPE, MUD & SAND.
G54.	FIRE ALARM PULL STATION.
G55.	FIRE ALARM ANNUNCIATOR PANEL.
G56.	SECURITY ALARM KEYPAD.
G57.	DATA OUTLET.
G58.	DUPLEX RECEPTACLE.
G59.	QUADPLEX RECEPTACLE.
G60.	DECORATIVE GRAPHICS LEDGE (BY OTHERS). GC TO PROVIDE 2" HIGH CONTINUOUS 3/4" PLYWOOD BLOCKING IN STUD WALL FOR DECORATIVE LEDGE ATTACHMENT.
G61.	LIGHT SWITCH.
G62.	JUNCTION BOX.
G63.	DOORBELL / BUZZER FOR CRASH CUTTING AREA. BUTTON IN MILLWORK PROVIDED BY NATIONAL ACCOUNT MILLWORK VENDOR. INSTALL BY E.C..
G64.	VOLUME CONTROL.
G65.	BUZZER.
G66.	REMOTE TEMPERATURE SENSOR.
G67.	REMOTE HUMIDITY/TEMPERATURE SENSOR.
G68.	THERMOSTAT.
G69.	DISCONNECT FOR WATER HEATER.
G70.	RECIRCULATING PUMP SWITCH.
G71.	RECIRCULATING PUMP - SEE PLUMBING DWGS.

ARCHITECTURAL	
GENERAL KEY NOTES:	
G72.	WATER HEATER.
G73.	BATTERY CHARGER - MOUNT AT 3'-0" A.F.F. W/ PROVIDED HARDWARE.
G74.	MOP SINK - SEE DETAIL 3/A12.0.
G75.	MOP HANGER W/ CLIPS AT +4'-6" A.F.F. PROVIDE 2X BLOCKING AS REQUIRED.
G76.	ENERGY MANAGEMENT SYSTEM NATIONAL ACCOUNT VENDOR PUSH BUTTON OVERRIDE.
G77.	3/4" FIRE RETARDANT TREATED CDX PLYWOOD TO 16'-0" A.F.F. INSTALLED HORIZONTALLY WITH STAGGERED JOINTS. SCREW FASTENED INTO METAL STUDS. UNFINISHED. EXPOSED COLUMNS 7'-0" A.F.F. AT AUTO SLIDER TRANSOM. CONTINUOUS CAULK AT END OF RUN. PROVIDE 5/8" GYP. BD. ABOVE 16'-0" TO ROOF DECK.
G78.	G.C. SHALL WRAP EXPOSED COLUMN WITH 18 GA. #4 BRUSHED STAINLESS STEEL TO 48" A.F.F. (TYP. OF ALL EXPOSED COLUMNS) CAULK ALL SEAMS W/ CLEAR SILICONE SEALANT. SEE DETAIL 2/A12.0.
G79.	4" DIA. INTERIOR CONCRETE FILLED PIPE BOLLARD. SEE DETAIL 4/A12.0.
G80.	48" HIGH STEEL TRACK GROUND BY LOADING DOCK EQUIPMENT VENDOR. SECURE TO FLOOR PER MANUFACTURERS RECOMMENDATIONS.
G81.	6" PVC TUBE W/ END CAPS FOR CONSTRUCTION DOCUMENT STORAGE. G.C. TO SUPPLY AND INSTALL. G.C. TO PLACE FULL SET OF RECORD DRAWINGS IN TUBE AT COMPLETION OF PROJECT. SUPPLIED AND INSTALLED BY G.C./E.C. SEE DETAIL 8/A12.0.
G82.	ATTACH IFC POWER PANELS TO WALL PER MFR. INSTRUCTIONS. ATTACH XFMR SHELL TO VENDOR PROVIDED BRACKET. SECURE BRACKET TO WALL PER WALL TYPE DETAIL W13.
G83.	MAXIMUM SPACE ALLOWED FOR FIRE PROTECTION & DOMESTIC WATER.
G84.	SELF CONTAINED PORTABLE EYEWASH BY OTHERS.
G85.	FIRE RISER/SPRINKLER SYSTEM SHUTOFF VALVE.
G86.	MUSIC EQUIPMENT BOARD BY OTHERS.
G87.	MECHANICAL GRILLE, FACTORY FINISH WHITE (DO NOT PAINT) - SEE MECHANICAL PLANS. LOCATED AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED.
G88.	TIMER SWITCHES.
G89.	GYPSUM BOARD CONTROL JOINT AT THIS LOCATION. INSTALL PER SPECIFICATIONS.
G90.	CONCRETE BLOCK WALL.
G91.	SINGLEPLEX RECEPTACLE.
G92.	PHONE BOARD.
G93.	EXPOSED PIPING - DO NOT PAINT.
G94.	PLUMBING VALVES (SURFACE MOUNTED).
G95.	CONCRETE CURB INTEGRAL WITH SLAB ON GRADE.
G96.	WATER HEATER EXPANSION TANK, WALL MOUNTED.
G97.	TILE TO EXTEND TO EDGE OF TRAINING FIXTURE. INSTALL TILE AFTER TRAINING FIXTURE IS ON SITE AND EXACT LOCATION CAN BE FIELD VERIFIED.
G98.	FRAMED MIRROR - SUPPLIED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR. - SEE INTERIOR ELEVATIONS.
G99.	CAGES (BY OTHERS).
G100.	BENCHES - FURNISHED AND INSTALLED BY OTHERS.
G101.	LEASH BAR - FURNISHED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
G102.	SHELF FOR BATHING BUNKER INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR FOR PETSMAT.
G103.	5' x 16" STAINLESS STEEL SHELF FOR BATHROOM AND DRINKING FOUNTAIN. SEE MATERIAL AND PRODUCT SCHEDULE ON SHEET F2.0. PROVIDE BLOCKING IN WALL. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
G104.	MASTER BLASTER HANGING CLIPS TO BE FURNISHED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
G105.	OUTLINE OF 3/4" PLYWOOD BLOCKING. SEE BLOCKING SCHEDULE.
G106.	LIGHTING IN RECEIVING AREA MOUNTED ABOVE THE BOTTOM CHORD OF STEEL JOISTS.
G107.	FORKLIFT TURNING RADIUS, 12' DIAMETER.
G108.	SOLAR WINDOW SHADES - SEE MATERIAL & PRODUCT SCHEDULE. INSTALLED FROM TOP OF WINDOW TO TOP OF HORIZONTAL MILLION 7'-0" A.F.F. AT AUTO SLIDER TRANSOM AND FROM TOP OF WINDOW TO SILL AT FULL HEIGHT WINDOWS - SEE DETAIL 13/A6.1.
G109. LOCKERS PROVIDED AND INSTALLED BY OTHERS.	
G110.	BIRD DETERRENT SHOCK TRAC SYSTEM CHARGER BY NIXALITE OF AMERICA, INC. SUPPLIED BY NATIONAL ACCOUNT LIGHTING VENDOR. SEE MATERIAL & PRODUCT SCHEDULE. INSTALL PER MANUFACTURERS RECOMMENDATIONS. MOUNT TOP AT 7'-6" A.F.F.
G111.	MECHANICAL DUCT DROP. PAINT TO MATCH C-1. HOLD TIGHT TO BOTTOM OF ROOF STRUCTURE. - SEE MECHANICAL DRAWINGS.
G112.	AREA TO REMAIN CLEAR FOR NATIONAL ACCOUNT DECOR GRAPHICS PROVIDED AND INSTALLED BY OTHERS.
G113.	ROOM SIGNAGE - SEE HARDWARE SCHEDULE.
G114.	DOOR STOP - SEE HARDWARE SCHEDULE.
G115.	EMERGENCY BATTERY UNIT - SEE ELECTRICAL DRAWINGS.
G116.	CAULK TOP AND VERTICAL EXPOSED EDGES OF CERAMIC TILE WITH LIMESTONE COLORED SIKAFLEX 1A.
G117.	ROOF ACCESS LADDER - PAINT YELLOW - SEE 1/A12.0.
G118.	WALL MOUNTED LIGHT FIXTURE - SEE ELECT. DWGS.
G119.	VERTICAL STORING HYDRAULIC PIT LEVELER.
G120.	DOCK LEVELER CONTROL BOX.
G121.	PROPORTIONER SOAP DISPENSER.
G122.	DOCK LEVELER PIT STEEL ANGLE - PAINT YELLOW.
G123.	STAINLESS STEEL SHELF FOR FISH PREP. PROVIDED BY NATIONAL ACCOUNT VENDOR. SEE MATERIAL AND PRODUCT SCHEDULE ON SHEET F2.0. PROVIDE BLOCKING IN WALL.
G124. FIRE SAFETY PLAN.	
G125.	INSTALL SIGNAGE "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS" ABOVE BOTH INTERIOR AND EXTERIOR SLIDERS.
G126.	3" PVC. NIPPLE THROUGH WALL. TOP OF NIPPLE/PIPE INSTALLED IN LINE WITH AND 1" BELOW BOTTOM CHORD OF BAR JOIST. PAINT TO MATCH WALL COLOR.
G127.	PROVIDE 4" CONCRETE HOUSEKEEPING PAD FOR EQUIPMENT.
G128.	MILLWORK SPACER PANEL (NATIONAL ACCOUNT MILLWORK VENDOR)
G129.	SURFACE MOUNTED CART BUMPER 1/4" AND 2-1/2" TO CHORD LINE (NATIONAL ACCOUNT VENDOR) PROVIDED BY NATIONAL ACCOUNT MILLWORK VENDOR)

V1	ARCHITECTURAL VETERINARY KEY NOTES:
V1.	ENERGY MANAGEMENT SYSTEM NATIONAL ACCOUNT VENDOR VETERINARY SERVICES PUSH BUTTON OVERRIDE FOR LIGHTING AND HVAC.
V2.	SCALE (BY OTHERS).
V3.	WAITING AREA SEATING (BY OTHERS).
V4.	S.S. COUNTER (NATIONAL ACCOUNT MILLWORK VENDOR).
V5.	FREEZER (BY OTHERS).
V6.	FOLD UP EXAM TABLE - SUPPLIED BY OTHERS AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR
V7.	KENNELS (BY OTHERS).
V8.	COUNTERTOP MOUNTED EYEWASH - SEE PLUMB. DWGS.
V9.	POWER DROP (ABOVE KENNELS) - SEE ELECT. DWGS.
V10.	UTILITY SINK - SEE PLUMB. DWGS.
V11.	TV MOUNT - PROVIDED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR PROVIDE F.R.T. PLYWOOD BLOCKING IN WALL.
V12.	LIGHT SWITCH WITH DIMMER FUNCTION - SEE ELECT. DWGS.
V13.	SCAVENGER PUMP (ABOVE CEILING) PROVIDE AND INSTALL 24" x 24" x 3/4" F.R.T. PLYWOOD ON METAL WALL STUDS AT 120" A.F.F. TO SUPPORT SCAVENGER UNIT. - SEE PLUMB. DWGS.
V14.	X-RAY MACHINE (BY OTHERS).
V15.	DISCONNECT FOR X-RAY - SEE ELECT. DWGS.
V16.	DIGITAL TREATMENT BOARD - SUPPLIED BY OTHERS AND INSTALLED BY G.C. INSTALL AT 72" A.F.F. TO CENTER LINE.
V17.	VET SERVICES CHECK-IN COUNTER (NATIONAL ACCOUNT MILLWORK VENDOR)
V18.	WASHER BOX - SEE PLUMB. DWGS.
V19.	DRYER RECEPTACLE - SEE ELECT. DWGS.
V20.	DRYER VENT ROUTE WITHIN WALL CAVITY EXTEND FROM ROOF DOWN TO RECESSED DRYER VENT BOX AT 6" A.F.F. - SEE MECH. DWGS.
V21.	TREATMENT LIGHT MOUNTED TO TOWER - SUPPLIED BY OTHERS AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
V22.	TREATMENT TOWER - STAINLESS STEEL CHASE (FOR ELECTRICAL AND PLUMBING) - SUPPLIED BY OTHERS AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
V23.	60" WET TREATMENT TABLE W/ DOORS / DRAWERS - SUPPLIED BY OTHERS AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
V24.	60" DRY TREATMENT TABLE W/ DOORS / DRAWERS - SUPPLIED BY OTHERS AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
V25.	4" ACROVYN RUB STRIP AT 28 1/2" A.F.F. TO CENTER LINE. LOCATED BEHIND WAITING AREA SEATING.
V26.	SCAVENGER CEILING OUTLET - SEE PLUMBING DWGS.
V27.	COMPUTER MOUNT FOR X-RAY MONITOR - PROVIDED BY OTHERS AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
V28.	SURGERY LIGHT MOUNTED TO STRUCTURE ABOVE CEILING - SEE ELECT. DWGS. AND DETAIL 4/A12.1 FOR ADDITIONAL INFORMATION.
V29.	SURGERY TABLE (BY OTHERS).
V30.	DENTAL X-RAY MOUNTED TO TOWER - SUPPLIED AND INSTALLED BY OTHERS.
V31.	SERVER CABINET (NATIONAL ACCOUNT MILLWORK VENDOR)
V32.	VET BENCH (NATIONAL ACCOUNT MILLWORK VENDOR).
V33.	SCAVENGER UNIT SWITCH - SEE ELECT. DWGS.
V34.	WASHER - SUPPLIED AND INSTALLED BY OTHERS.
V35.	DRYER - SUPPLIED AND INSTALLED BY OTHERS.
V36.	EXAM TABLE SURFACE MOUNTED BLOCKING - STOPS ABOVE THE RUBBER COVE BASE. DOES NOT GO DOWN TO THE FLOOR. (NATIONAL ACCOUNT MILLWORK VENDOR).
V37.	RECESSED HOSE BIBB AT 48" A.F.F. - SEE PLUMBING DWGS.
V38.	1 1/2" LEAD LINED, 5/8" WALLBOARD TO 6" A.F.C. BY U.S.G. RAYBAR OR WAVE BARRIERS WITH LEAD TAB GYP. BD. FROM R.T.U. AIR INTAKE AND 5'-0" FROM ROOF PERIMETER
V39.	SCAVENGER UNIT VENT TO BE LOCATED A MINIMUM OF 10'-0" FROM R.T.U. AIR INTAKE AND 5'-0" FROM ROOF PERIMETER - SEE PLUMBING DWGS.
V40.	DRYER VENT ROOF PENETRATION - TO BE LOCATED A MINIMUM OF 10'-0" FROM R.T.U. AIR INTAKE AND 5'-0" FROM ROOF PERIMETER
V41.	SCAVENGER OUTLET WITH COVER PLATE
V42.	PAPER TOWEL DISPENSER, STAINLESS STEEL SURFACE MOUNTED. SEE SHEET F2.0.
DESIGNER NOTE: ON A POLYESTER SERVICE BASIS REQUIRED FOR LOCKER PROVIDES INCL. 1/2" W/ OTHERS MIN. 5/8" TO 1/2" TO NO. 10 ACCESSIBILITY	

ARCHITECTURAL	
X1	EXTERIOR KEY NOTES:
X1.	SIDEWALK
X2.	SIDEWALK CONTROL JOINT - 1/4" MAX. TOOLED JOINT. LOCATE WHERE INDICATED ON PLAN (6'-0" O.C. MAX.)
X3.	SIDEWALK EXPANSION JOINT. LOCATE WHERE INDICATED ON PLAN (20'-0" O.C. MAX.) - SEE STRUCT. DWGS.
X4.	1/2" EXPANSION JOINT WITH TRAFFIC SEALANT
X5.	ADA ACCESSIBLE RAMP, PROVIDE ADA COMPLIANT TACTILE WARNING.
X6.	CONCRETE CURB (DO NOT PAINT)- SEE DETAIL 6/A10.0.
X7.	FLUSH CONDITION AT DOOR. PROVIDE 2% MAX. SLOPE AWAY FROM DOOR. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
X8.	SURFACE MOUNT OUTLET WITH WATERPROOF COVER @ 60" A.F.F. - NO EXPOSED CONDUIT
X9.	ASH/STRAP CAN BY G.C. - SEE MATERIAL & PRODUCT SCHEDULE ON SHEET F2.0.
X10.	RECESSED HOSE BIBB AT 25" A.F.G.
X11.	PUSH BUTTON FOR BUZZER SURFACE MOUNTED AT BRAKE MOUNT WRAPPED COLUMN AT STOREFRONT (NO EXPOSED CONDUIT) - SEE ELECTRICAL DWGS.
X12.	6" DIA. CONCRETE FILLED PIPE BOLLARD - SEE DETAIL 5/A12.0
X13.	CANOPY - PREFINISHED STEEL PLATE AWNING/ EYEBROW - SEE WALL SECTIONS ON SHEET A10.0 AND STRUCT. DWGS.
X14.	GAS METER
X15.	ELECTRIC METER
X16.	ELECTRICAL TRANSFORMER ON CONCRETE PAD
X17.	DUMPS/TER PAD - SEE STRUCT. DWGS.
X18.	TRASH CONTAINERS BY OTHERS. VERIFY REQUIRED CLEARANCE W/ TRASH SERVICE PROVIDER.
X19.	TRUCK DOCK SLAB - SEE STRUCT. DWGS.
X20.	RETAINING WALL - SEE STRUCT. DWGS. EXTEND TO 6' ABOVE FINISHED GRADE.
X21.	3'-9" HIGH CHAIN LINK FENCE (TOP OF FENCE TO BE 3'-6" ABOVE FINISH GRADE) ON RETAINING WALL. PROVIDE INTERMEDIATE POSTS AT 5'-0" O.C. MAXIMUM. CHAIN LINK FENCE TO RUN FULL LENGTH OF RETAINING WALL.
X22.	PROVIDE CONCRETE PAD AT EXIT DOOR. 4'-0" X 7'-0" COORDINATE W/ CIVIL PLANS.
X23.	DOCK BUMPER AND SEAL.
X24.	BUILDING ADDRESS EXAMPLE ON FRONT ELEVATION. MINIMUM 12" HIGH ADDRESS PLATES SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR AT THE FRONT ENTRANCE AND SERVICE ENTRANCE OF THE STORE PER LOCAL REQUIREMENTS. FINAL DETERMINATION ON SIZE, COLOR AND EXACT LOCATION MAY BE ENFORCED BY LOCAL GOVERNMENT AUTHORITIES.
X25.	3/8" GALVANIZED EYEBOLT/TS FOR (2) BANNERS ATTACHMENT. G.C. TO PURCHASE TEMPORARY BANNERS AT START OF CONSTRUCTION. INSTALL BANNERS AS SOON AS POSSIBLE.
X26.	SIGNAGE PACKAGE UNDER SEPARATE CONTRACT BY PETS/SMART. G.C. TO COORDINATE LOCATION OF ALL REQUIRED POWER & J-BOXES, PLYWOOD BACKING, EXACT SIZE AND CONNECTIONS. FINAL DETERMINATION ON SIZE, COLOR AND EXACT LOCATION MAY BE ENFORCED BY LOCAL GOVERNMENT AUTHORITIES.
X27.	LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
X28.	EMERGENCY LIGHT - SEE ELECTRICAL DRAWINGS.
X29.	1" WIDE X 1/2" DEEP E.I.F.S. "V" GROOVE
X30.	PROVIDE HIGH IMPACT MESH @ E.I.F.S. FOR HEIGHT INDICATED.
X31.	ALUMINUM BREAK METAL COVER OVER STEEL TUBE FRAMING AT STOREFRONT - COLOR TO MATCH SF-1.
X32.	MASONRY CONTROL JOINT - SEE DETAIL 18/A12.0
X33.	PAINT GRIP GALVANIZED METAL COPING - SEE ELEVATIONS FOR COLOR.
X34.	FRY VENT 5V-75-V-300/EFS. PAINT TO MATCH SOFFIT.
X35.	NATURAL GAS PIPING ON ROOF. REFER TO DETAIL 5/P2.0 FOR SLEEPER SUPPORT AND TO PLUMBING DRAWINGS.
X36.	ROOF LINE BEYOND
X37.	SINGLE PLY R/OF MEMBRANE FLASHING AT BACKSIDE OF PARAPET.
X38.	ROOF WALK PAD.
X39.	ROOF EQUIPMENT BEYOND - SEE MECHANICAL DRAWINGS.
X40.	R.T.U. TO BE LOCATED 10'-0" MIN. FROM ROOF PERIMETER WHERE PARAPET IS LESS THAN 42" ABOVE ROOF. 5'-0" MIN. WHERE PARAPET IS 42" OR GREATER ABOVE ROOF.
X41.	EXHAUST FAN TO BE LOCATED A MINIMUM OF 10'-0" FROM R.T.U. INTAKE AND 10'-0" MIN. FROM ROOF PERIMETER WHERE PARAPET IS LESS THAN 42" ABOVE ROOF. 5'-0" MIN. WHERE PARAPET IS 42" OR GREATER ABOVE ROOF.
X42.	VENT TO BE LOCATED A MINIMUM OF 10'-0" FROM R.T.U. AIR INTAKE AND 5'-0" MIN. FROM ROOF PERIMETER - SEE PLUMBING DWGS.
X43.	ROOF CRICKET - SLOPE AT 1/4" PER FOOT MINIMUM.
X44.	ROOF HATCH - SEE DETAIL 1/A12.0
X45.	ROOF HYDRANT - SEE PLUMBING DWGS.
X46.	OUTLINE OF EXTERIOR VINYL GRAPHICS (1X10'X20').
X47.	OUTDOOR SENSOR ASSEMBLY- PAINT WHITE - SEE SHEET EM1
X48.	GUTTER AND DOWNSPOUT - SEE DETAIL 6/A5.0.
X49.	HIGH POINT OF GUTTER -SLOPE OF A MIN. OF 1/16" PER FOOT.
X50.	ACCESS BOX FOR MOBILE GENERATOR MOUNT AT 48" A.F.F. - VERIFY EXACT LOCATION WITH ELECTRICAL DWGS. - PAINT TO MATCH ADJACENT FINISH - SEE 11/E13.0.
X51.	APPROXIMATE FINISH GRADE - SEE CIVIL DWGS.
X52.	TRENCH DRAIN / HEAVY GRATE. (SEE STRUCT)
X53.	FIRE DEPARTMENT CONNECTION COORDINATE LOCATION WITH LOCAL FIRE MARSHALL.
X54.	BIRD DETERRENT SHOCK TRACK SYSTEM BY NIXALUTE OF AMERICA, INC. SUPPLIED BY NATIONAL ACCOUNT LIGHTING VENDOR (SEE MATERIAL SCHEDULE). INSTALL SHOCK TRACKS ALONG LEADING EDGE OF CANOPY/PARAPET W/ CONNECTION TO 110V CHARGER (LOCATED IN OFFICE). INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
X55.	PUSH BUTTON FOR BUZZER RECESSED IN MASONRY NEAR DOOR JAMB MOUNTED 8'-4" A.F.F. PROVIDE CLEAN CUT IN MASONRY AND BUZZER W/ COVER PLATE. SEE ELEC. DWG.
X56.	MECHANICALLY FASTENED SINGLE PLY R/OF MEMBRANE.
DEBRIS-NOTE: ON SHEET A0.2, THE DEBRIS-BIBB AREA IS INDICATED BY A HATCH. THIS AREA IS TO BE REMOVED BY THE GENERAL CONTRACTOR AT THE START OF CONSTRUCTION. THE DEBRIS-BIBB AREA IS TO BE REMOVED BY THE GENERAL CONTRACTOR AT THE START OF CONSTRUCTION. THE DEBRIS-BIBB AREA IS TO BE REMOVED BY THE GENERAL CONTRACTOR AT THE START OF CONSTRUCTION.	
	HATCH INDICATES ITEMS SPECIFIED UNDER SHELL SCOPE OF WORK OR NOT REQUIRED FOR THIS PROJECT. SEE SHELL DRAWINGS FOR ADDITIONAL INFORMATION

TENANT: PETSMART 19601 North 27th Avenue Phoenix, Arizona 85027 - (623) 580-6100		
PROJECT: 18K 2025 U.S. VET SERVICES INSTRUCTION SET FEBRUARY 12, 2025		
ARCHITECT:		
CONSULTANT:		
SEAL:		
CITY SEAL:		
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ISSUED FOR:		
#	DESCRIPTION	DATE
PROJECT NO: 18K 2025 US INSTRUCTION SET		
ORIGINAL SCALE: AS INDICATED		IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE
DRAWN BY:	XXX	
CHECKED BY:	XXX	
PAGE #:	OF:	
01	56	1"
DISCIPLINE: ARCHITECTURAL		
TITLE: ARCHITECTURAL KEY NOTES		
SHEET NUMBER: A0.1		



1 LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

2 FLOOR AREA KEY PLAN
SCALE: 1/16" = 1'-0"

PLUMBING FIXTURE CALCULATIONS:

MIN. REQ'D. FIXTURES (PER 2018 IPC, CH. 4, TABLE 403.1)
NUMBER OF OCCUPANTS BY OCCUPANCY USE TYPE:

GROUP B:	36 x 50% = 18 MALE, 18 FEMALE
GROUP M:	173 x 50% = 87 MALE, 87 FEMALE
GROUP S:	7 x 50% = 4 MALE, 4 FEMALE

	WATER CLOSETS REQUIRED		LAVATORIES REQUIRED		DRINKING FOUNTAINS REQUIRED		SERVICE SINK REQUIRED
GROUP B	MALE	FEMALE	MALE	FEMALE			
	1: 25 (<50)	1: 40 (<80)	1: 40 (<80)	1: 80 (>50)	1: 100		1 SERVICE SINK
GROUP M	1: 500	1: 750	1: 750	1: 1,000	1: 1,000		
GROUP S	1: 100	1: 100	1: 100	1: 100	1: 100		

	WATER CLOSETS PROVIDED		LAVATORIES PROVIDED		DRINKING FOUNTAINS PROVIDED		SERVICE SINK PROVIDED
GROUP B	MALE	FEMALE	MALE	FEMALE			
	18 x 25 = 450	18 x 40 = 720	18 x 40 = 720	18 x 80 = 1,440	36 x 100 = 3,600		1 SERVICE SINK
GROUP M	87 x 500 = 43,500	87 x 500 = 43,500	87 x 750 = 65,250	87 x 750 = 65,250	173 x 1,000 = 173,000		
GROUP S	4 x 100 = 400	4 x 100 = 400	4 x 100 = 400	4 x 100 = 400	7 x 1,000 = 7,000		
SUB-TOTAL:	0.937	0.937	0.607	0.607	0.538		1
TOTAL PROVIDED:	2 PROVIDED PER EACH SEX		1 PROVIDED PER EACH SEX		1 HI + 1 LOW		1 SERVICE SINK

- GENERAL-LIFE SAFETY NOTES:**
- ALLOWABLE TRAVEL DISTANCE IS 250'-0" MAX.
 - EXIT ACCESS DOORS SHALL BE PLACED SO THAT THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-HALF (1/2) OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.
 - BUILDING SHALL BE FULLY SPRINKLERED
 - GENERAL CONTRACTOR WILL FURNISH AND INSTALL UP TO A MINIMUM OF (1) 10 LB (SHOWN IN RECEIVING NEAR BATTERY CHARGER) AND (10) EACH 5LB MULTIPURPOSE DRY CHEMICAL (2A/10BC) RATED FIRE EXTINGUISHERS WITH MOUNTING BRACKETS AND ACCESSORIES AT 4'-0" A.F.F. AS REQUIRED BY GOVERNMENTAL AUTHORITIES. MAXIMUM TRAVEL DISTANCE OF 75'-0" FOR PLACEMENT. PROVIDE RED METAL ARROW SIGNAGE ATTACHED WITH SCREWS AT EACH EXTINGUISHER. A COLUMN ON WHICH THE FIRE EXTINGUISHER IS PLACED IS TO SIGNAGE WITH THE WORDS "FIRE EXTINGUISHER" ON IT POINTING DOWNWARDS ON ALL FOUR (4) SIDES. EXTINGUISHERS SHALL CARRY AN EXPIRATION DATE OF ONE YEAR BEYOND THE DATE OF BUILDING TURNOVER. LOCATION SHOWN ON DRAWINGS FOR GENERAL REPRESENTATION. COORDINATE ACTUAL PLACEMENT OF FIRE EXTINGUISHERS WITH PETSMAART CONSTRUCTION MANAGER AND FIRE MARSHALL.
- SPRINKLER DESIGN CRITERIA:**
- PROVIDE WET PIPE AUTOMATIC SPRINKLER SYSTEM CONFORMING TO THE FOLLOWING CRITERIA:
- ALL AREAS EXCEPT RECEIVING:
 - N.F.P.A. 13
 - CLASS II COMMODITY
 - SHELF STORAGE, 12'-0" MAX. STORAGE
 - MINIMUM K-FACTOR = 5.5
 - ORDINARY HAZARD GROUP 2
 - DENSITY OF 0.20 G.P.M./S.F. OVER THE MOST REMOTE 1,500 S.F.
 - 250 G.P.M. HOSE ALLOWANCE REQUIRED
 - RECEIVING AREA:
 - N.F.P.A. 13
 - CLASS IV COMMODITY (NON-ENCAPSULATED)
 - SINGLE ROW RACKS, 18'-0" MAX. STORAGE 8'-0" AISLE, HIGH TEMP.
 - SPRINKLERS MINIMUM K-FACTOR = 11.2
 - DENSITY OF 0.32 G.P.M./S.F. OVER THE MOST REMOTE 2,000 S.F.
 - 500 G.P.M. HOSE ALLOWANCE REQUIRED
- THE FIRE PROTECTION CONTRACTOR SHALL PERFORM, AS PART OF CONTRACT, A WATER FLOW TEST AT FIRE HYDRANTS NEAREST FIRE RISER SUPPLY LINE CONNECTION TO CITY WATER MAINS. TEST SHALL BE CONDUCTED PER MUNICIPALITY AND WATER DEPARTMENT REQUIREMENTS. TEST SHALL BE WITNESSED BY ALL AUTHORITIES HAVING JURISDICTION.
 - REFER TO FIRE SPRINKLER SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - SYSTEM SHALL MEET ANY ADDITIONAL APPLICABLE REQUIREMENTS OF N.F.P.A., LOCAL CODES, OWNER AND INSURANCE CARRIER.
 - INFORMATION STATED ABOVE DOES NOT RELIEVE FIRE PROTECTION. CONTRACTOR FROM PROVIDING A COMPLETE AUTOMATIC SPRINKLER SYSTEM, INCLUDING ANY REQUIRED EQUIPMENT (FIRE PUMP, ETC.) TO COMPENSATE FOR INADEQUATE PRESSURE, AS REQUIRED BY CODE AND ALL PARTIES HAVING JURISDICTION.
 - THE USE OF SPRINKLER HEADS EQUIPPED WITH "O" RING SEAL SHALL BE PROHIBITED (NO EXCEPTIONS).
 - CENTRAL STATION SUPERVISION DEVICE SHALL BE PROVIDED.
 - THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE PLANS, SHOP DRAWINGS, AND HYDRAULIC CALCULATIONS, SIGNED AND SEALED BY THE FIRE PROTECTION (F.P.) PROFESSIONAL, TO ALL OF THE CITY, THE BUILDING OFFICIALS, THE FIRE DEPARTMENT, THE JURISDICTION TO THE CITY. THE BUILDING OFFICIALS, THE FIRE DEPARTMENT, THE ENGINEER/ARCHITECT PROFESSIONAL OF RECORD, AND TO THE PETSMAART REPRESENTATIVE FOR REVIEW AS SOON AS POSSIBLE AFTER CONTRACT AWARD. MINIMUM SAFETY MARGIN OF 10% OR 5 PSIG REQUIRED WATER PRESSURE VS. AVAILABLE WATER PRESSURE SHALL BE PROVIDED IN HYDRAULIC CALCULATIONS. THE FIRE PROTECTION PROFESSIONAL OF RECORD SHALL BE RETAINED AND PAID FOR BY THE FIRE SPRINKLER CONTRACTOR.
 - PROVIDE BACKFLOW PREVENTER TO MEET THE REQUIREMENTS LISTED ABOVE WHERE REQUIRED BY CODE.
 - FIRE RISER SHALL BE LOCATED AS INDICATED ON PLAN. PROVIDE VERTICALLY MOUNTED RISER ASSEMBLY UNLESS PROHIBITED BY CODE.
 - PROVIDE INSPECTOR TEST CONNECTION WHEN REQUIRED.
 - LOCATE ALL SPRINKLER PIPING AS HIGH AS POSSIBLE. SPRINKLER PIPING SHALL NOT BE INSTALLED BELOW JOIST OR GIRDERS. NO EXCEPTIONS.
 - COORDINATE LOCATIONS OF FDC CONNECTIONS, INSPECTOR'S TEST VALVES AND SYSTEM DRAINS WITH FUTURE PLAN. FINAL LOCATION APPROVAL BY PETSMAART CONSTRUCTION MANAGER.
 - SPRINKLER HEADS TO BE LOCATED IN CENTER OF CEILING TILE.
 - CONTRACTOR TO INSTALL A HYDRAULIC SYSTEM PLACARD ON THE PETSMAART FIRE RISER AT THE END OF THE PROJECT.

- FIRE ALARM CRITERIA:**
- FIRE ALARM SYSTEM TO BE PROVIDED BY THE GENERAL CONTRACTOR THROUGH NATIONAL ACCOUNT FIRE ALARM VENDOR. SEE REQUIRED VENDOR LIST AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - ALL MATERIAL AND LABOR FOR LOW VOLTAGE SYSTEMS SHALL BE PROVIDED BY ALARM CONTRACTOR, EXCEPT GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRICAL POWER AND ANY CONDUIT SHOWN ON THE ELECTRICAL DRAWINGS FOR FIRE ALARM EQUIPMENT. SMOKE DETECTORS IN RTU RETURN AIR DUCTS SHALL BE PROVIDED IN ALL RTU'S AS SHOWN (RTU REQUIRED VENDOR).
 - FIRE ALARM SYSTEM DESIGN IS THE RESPONSIBILITY OF THE LICENSED PETSMAART NATIONAL ACCOUNT VENDOR AND SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL REQUIREMENTS.
 - FIRE ALARM SYSTEM SHALL INCLUDE, AS A MINIMUM, FIRE ALARM CONTROL CABINET, MANUAL PULL STATIONS AT ALL EGRESS DOORS, DUCT SMOKE DETECTORS IN ALL RTU'S AS INDICATED, DUCT SMOKE DETECTOR REMOTE TEST STATIONS AT TELEPHONE EQUIPMENT BOARD LOCATED IN RECEIVING OR LOCATED PER THE AHJ'S REQUEST, REMOTE ANNUNCIATOR AT FRONT ENTRANCE OR LOCATED PER THE AHJ'S REQUEST, AND RECHARGEABLE EMERGENCY BATTERY POWER.
 - GENERAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL ITEMS REQUIRED FOR A COMPLETE FIRE ALARM SYSTEM.
- LEGEND:**
- | | | | |
|--|--|--|--------------------------------|
| | INTERIOR EMERGENCY LIGHT WITH BATTERY PACK | | FIRE EXTINGUISHER |
| | EXTERIOR EMERGENCY LIGHT WITH REMOTE INTERIOR EMERGENCY BATTERY BACKUP | | DUCT SMOKE DETECTOR |
| | EXIT SIGN | | FIRE ALARM MANUAL PULL STATION |
| | 2x2 EMERGENCY LED LIGHT FIXTURE WITH BATTERY BACKUP (VET AREA) | | KNOX BOX |

EXITING & ALLOWABLE AREA:

BUILDING SET BACKS:

BLDG. AREA - ALLOWABLE:

BASE:	12,500 S.F.
SPRINKLER (300% OF BASE):	37,500 S.F.
TOTAL ALLOWABLE:	50,000 S.F.

OCCUPANT SQUARE FOOTAGE BREAKDOWN (PER 2018 IBC) (INSIDE FACE OF EXTERIOR PERIMETER WALLS)

	AREA (SQ. FT.)	LOAD FACTOR	OCCUPANCY
BUSINESS	5,298	150	35.32
MERCANTILE (RETAIL)	10,342	60	172.37
STORAGE	334	300	6.89
STORAGE (RECEIVING)	1,734		
OCCUPANCY SQ. FOOTAGE GRAND TOTAL	17,708		216

OCCUPANT LOAD BREAKDOWN

OCCUPANCY TYPE	AREA (SQ. FT.)	LOAD FACTOR	OCCUPANCY
BUSINESS (GROUP B)	5,298	150	35.32
RETAIL (GROUP M)	10,342	60	172.37
RECEIVING/STORAGE (GROUP S)	2,068	300	6.89
OCCUPANT LOAD TOTAL:			216

EXITS: (PER TABLE 1006.3.2)

OCCUPANT LOAD PER STORY	MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS FROM STORY
1 - 500	2
501 - 1,000	3
> 1,000	4

EXITS PROVIDED: 2 (PER SECTION 1006.3.2)

EXIT WIDTH:	INCHES/ OCCUPANT
216 OCCUPANTS X 20	43.2
DOOR #100A = 5'-0"	60"
DOOR #100B = 5'-0"	60"
DOOR #108A = 2'-10" x 50% x 3'-7" 114"	114"

REQUIRED: 3'-7" 114"
PROVIDED: 7'-10"
THEREFORE OK

PETSMART
19501 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100

PROJECT: 18K 2025 U.S. VET SERVICES INSTRUCTION SET
DATE: FEBRUARY 12, 2025

ARCHITECT:
CONSULTANT:
SEAL:
CITY SEAL:

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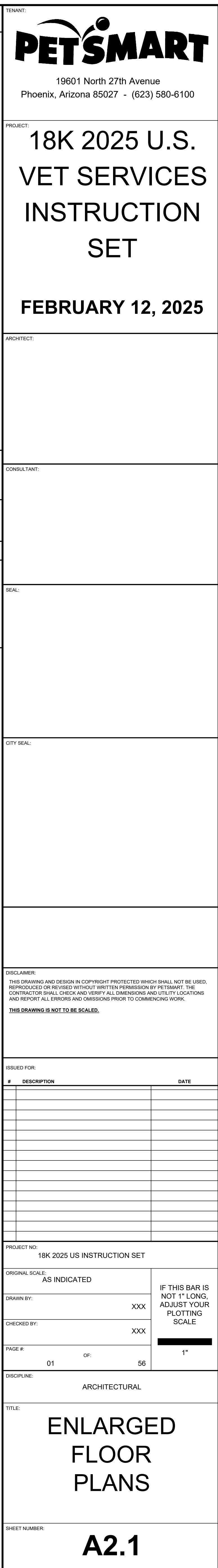
ISSUED FOR:

#	DESCRIPTION	DATE
1	18K 2025 U.S. INSTRUCTION SET	

PROJECT NO: 18K 2025 U.S. INSTRUCTION SET
ORIGINAL SCALE: AS INDICATED
DRAWN BY: XXXX
CHECKED BY: XXXX
PAGE #: 01 OF 56
DISCIPLINE: ARCHITECTURAL
TITLE: LIFE SAFETY PLAN
SHEET NUMBER: A1.0

DESIGNER NOTE:
UPDATE THESE TABLE CELLS ONLY WITH THE PROJECT SPECIFIC DATA. THE REMAINDER OF THE TABLES AND DATA REMAINS UNCHANGED AND WILL UPDATE AUTOMATICALLY.

DESIGNER NOTE:
THIS INFORMATION IS BASED ON THE INFORMATION PROVIDED BY THE CLIENT. THE ARCHITECT ASSUMES NO LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.



	W= WALL TYPE TAG. (SEE SHEET A8.0 FOR WALL TYPES)
	X= NUMBER IDENTIFYING WHICH WALL TYPE
	Y= LETTER IDENTIFYING WHICH TYPE & EXTENT OF INSULATION
LABEL	INSULATION DESCRIPTION
"A"	2-1/2" RIGID INSULATION FULL HEIGHT
"B"	UNFACED 3-1/2" BATT. INSULATION FULL HEIGHT
"C"	UNFACED 3-1/2" BATT. INSULATION TO 6" ABOVE FINISHED CEILING
"D"	UNFACED 6" BATT. INSULATION FULL HEIGHT
"E"	UNFACED 6" BATT. INSULATION TO 6" ABOVE FINISHED CEILING

DESIGNER NOTE:

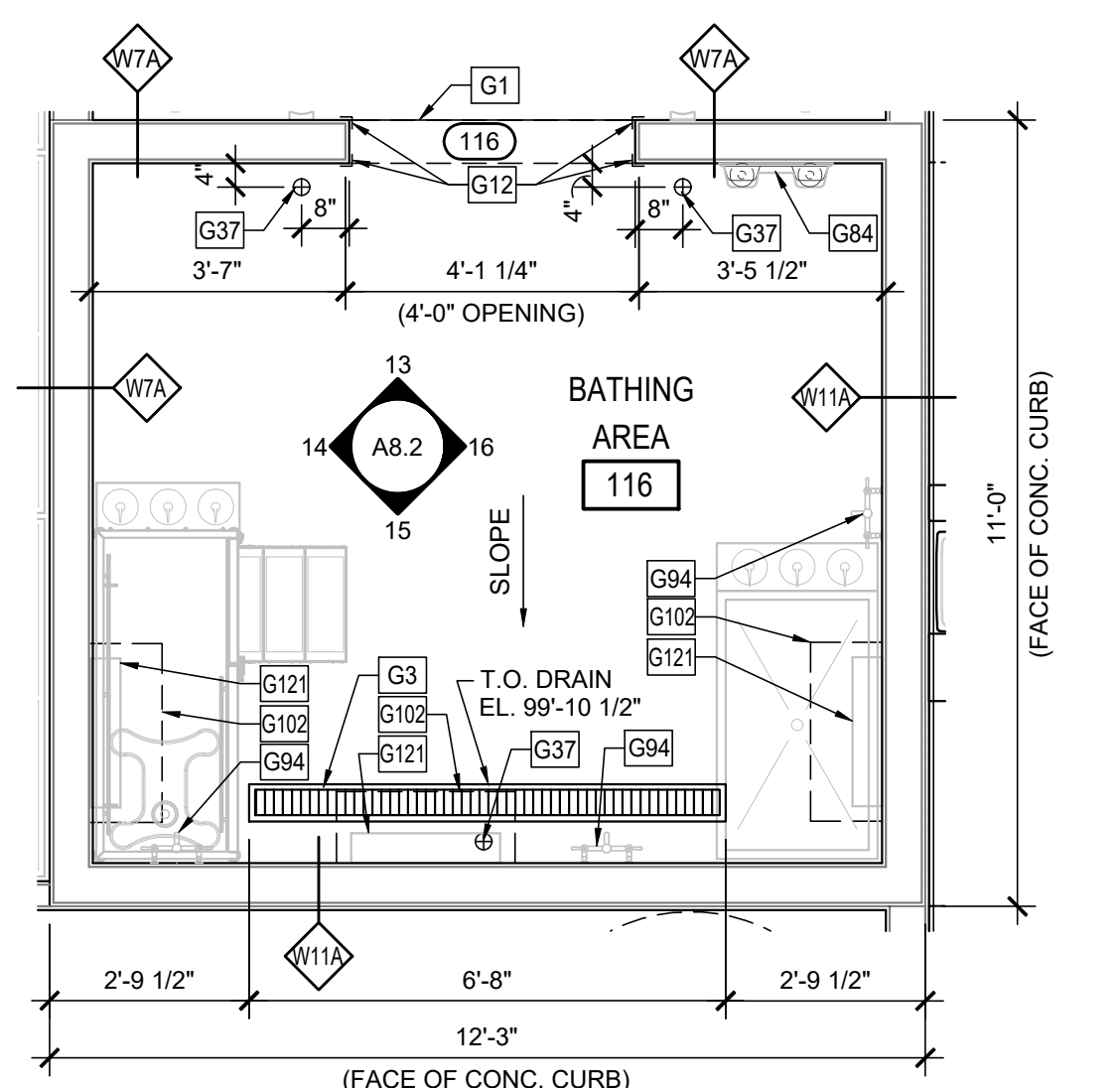
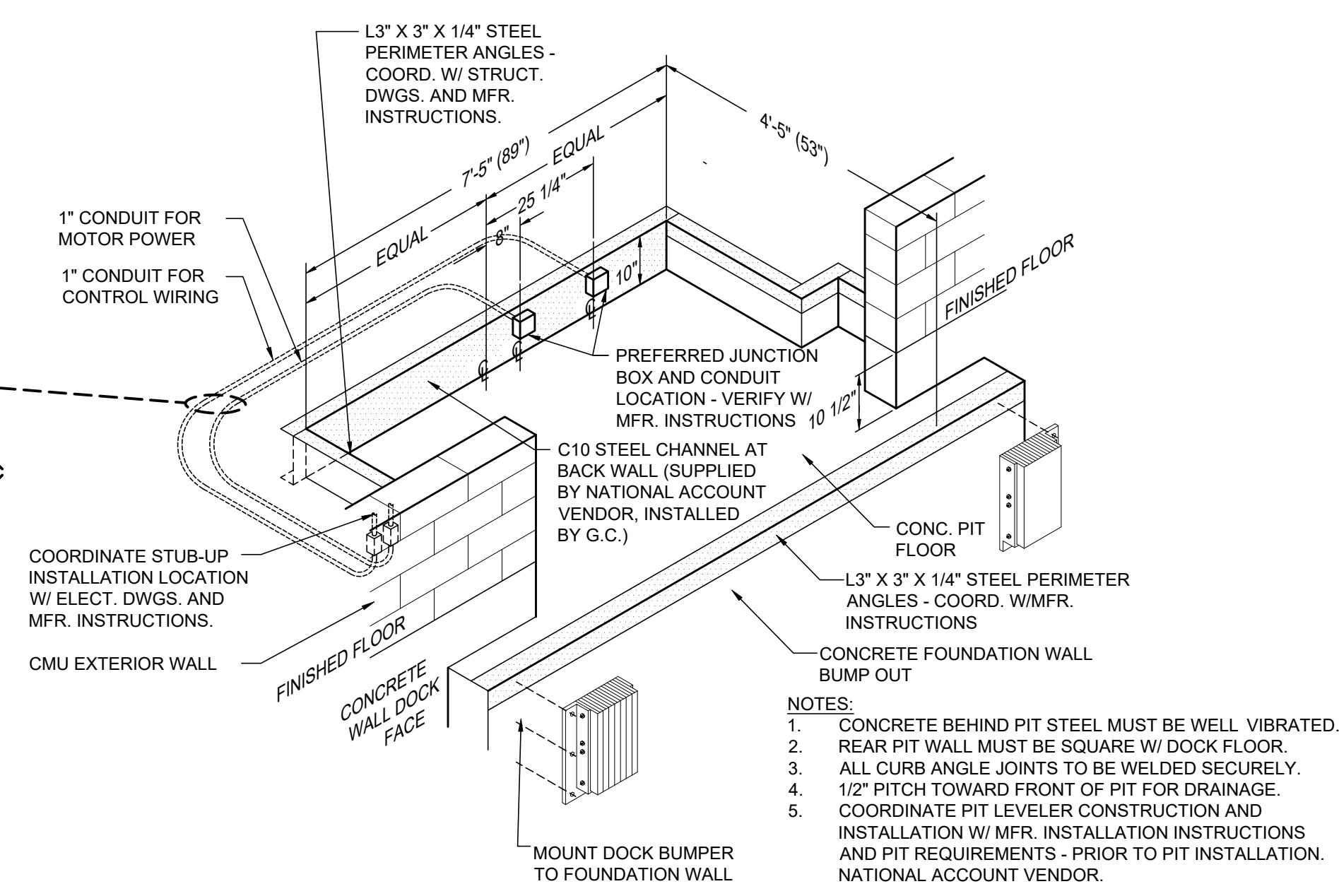
IF THERE IS A SHARED METAL STUD FRAMING SYSTEM, IT SHALL BE THURRED OUT ADDITIONALLY WITH 1/2" AIR GAP, 1.5# METAL STUD FRAMING AND WITH ACOUSTIC INSULATION, AND WITH .80 WFT FRP WALL PANELS.

DESIGNER NOTE:

IF THERE IS A SHARED METAL STUD FRAMING SYSTEM, IT SHALL BE THURRED OUT ADDITIONALLY WITH 1/2" AIR GAP, 1.5# METAL STUD FRAMING, 12" R19 A.F.F. INSULATION, AND FRP BE REQUIRED TO ACCOMMODATE OUTLETS.

DESIGNER NOTE:

CONSULT THE PETSMAST OR IF WINDOW SHADERS ARE REQUIRED, WINDOW SHADERS ARE REQUIRED TO BE INSTALLED WITHIN A MINIMUM 12" FROM THE EXTERIOR WALL. PROVIDE THE 12" REQUIREMENT OF MINIMUM FROM THE EXTERIOR WALL WITH ADDITIONAL WINDOW SHADERS.



GENERAL NOTES:

1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.
2. NO VISIBLE FLOOR CUTS ACCEPTABLE @ ANY LOCATIONS, UNLESS APPROVED BY PETSMAST CONSTRUCTION MANAGER.
3. ALL INTERIOR PARTITION DIMENSIONS ARE TO FACE OF STUD OR INTERIOR FACE OF EXTERIOR CMU/CONC. WALL UNLESS NOTED OTHERWISE.
4. ALL WALLS BEHIND MILLWORK SHALL HAVE FINAL FINISH PRIOR TO INSTALLATION OF MILLWORK FINISH MATERIAL SHALL BE INSTALLED PRIOR TO MILLWORK INSTALLATION.
5. SEALANTS TO BE SAME COLOR AS ADJACENT SURFACE UNLESS NOTED OTHERWISE.
6. ASSUMED FINISH FLOOR ELEVATION WITH THE ARCHITECTURAL DRAWINGS IS SHOWN AS 100'-0".
7. FOR ALL DOORS REQUIRING WALL MOUNTED DOOR STOPS, PROVIDE PLYWOOD BLOCKING PER BLOCKING SCHEDULE.
8. SEALANT IN ALL WEAT AREAS TO BE SIKAFLEX 1A POLYURETHANE SEALANT (COLOR TO MATCH ADJACENT SURFACES)
9. PROVIDE REDUNDANT CONTROL MESH SECURED WITH EXPANDING FOAM AROUND ALL PENETRATIONS, INSTALL IN A WORKMANLIKE MANNER, SEE SPEC.
10. FOR LOCATION OF DOOR JAMBS NOT SHOWN ON PLAN, SEE DETAIL 10A/0.0.
11. SEE SHEET A0.0 FOR WALL TYPES.
12. CONTRACTOR TO INSTALL PAPER TOWEL DISPENSER AND HAND SANITIZER IN ADJUNCTION CENTER ROOM W/ KENNELS, ON REPTILE HABITAT ON SIDE CLEANING AREA FROM FRONT DOOR, ON DOOR OF BIRD HABITAT, AND ALL PET FEEDING STATIONS AS DIRECTED BY PETSMAST CONSTRUCTION MANAGER.
13. ALL MILLWORK IN THE SALON AREA IS SUPPLIED AND INSTALLED AS PART OF THE GENERAL CONTRACT BY THE G.C. THROUGH REQUIRED VENDOR PROGRAM WITH MILLWORK VENDOR.
14. CONTRACTOR IS TO PROVIDE ALL REQUESTED SITE MEASURED DIMENSIONS FOR DECOR CONTRACTOR.
15. SEE SHEET A0.0 FOR DOOR SCHEDULE AND SHEET A6.1 FOR STOREFRONT AND WINDOW ELEVATIONS.

WALL PARTITION INSULATION LEGEND

	W= WALL TYPE TAG. (SEE SHEET A9.0 FOR WALL TYPES)
	X= NUMBER IDENTIFYING WHICH WALL TYPE
	Y= LETTER IDENTIFYING WHICH TYPE & EXTENT OF INSULATION
LABEL	INSULATION DESCRIPTION
"A"	2-1/2" RIGID INSULATION FULL HEIGHT
"B"	UNFACED 3-1/2" BATT. INSULATION FULL HEIGHT
"C"	UNFACED 3-1/2" BATT. INSULATION TO 6" ABOVE FINISHED CEILING
"D"	UNFACED 6" BATT. INSULATION FULL HEIGHT
"E"	UNFACED 6" BATT. INSULATION TO 6" ABOVE FINISHED CEILING

PET SMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100

18K 2025 U.S.
VET SERVICES
INSTRUCTION
SET

FEBRUARY 12, 2025

ARCHITECT:

CONSULTANT

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USED FOR:

[illegible]

PROJECT NO.

FOR 2023 US INSTRUCTION SET

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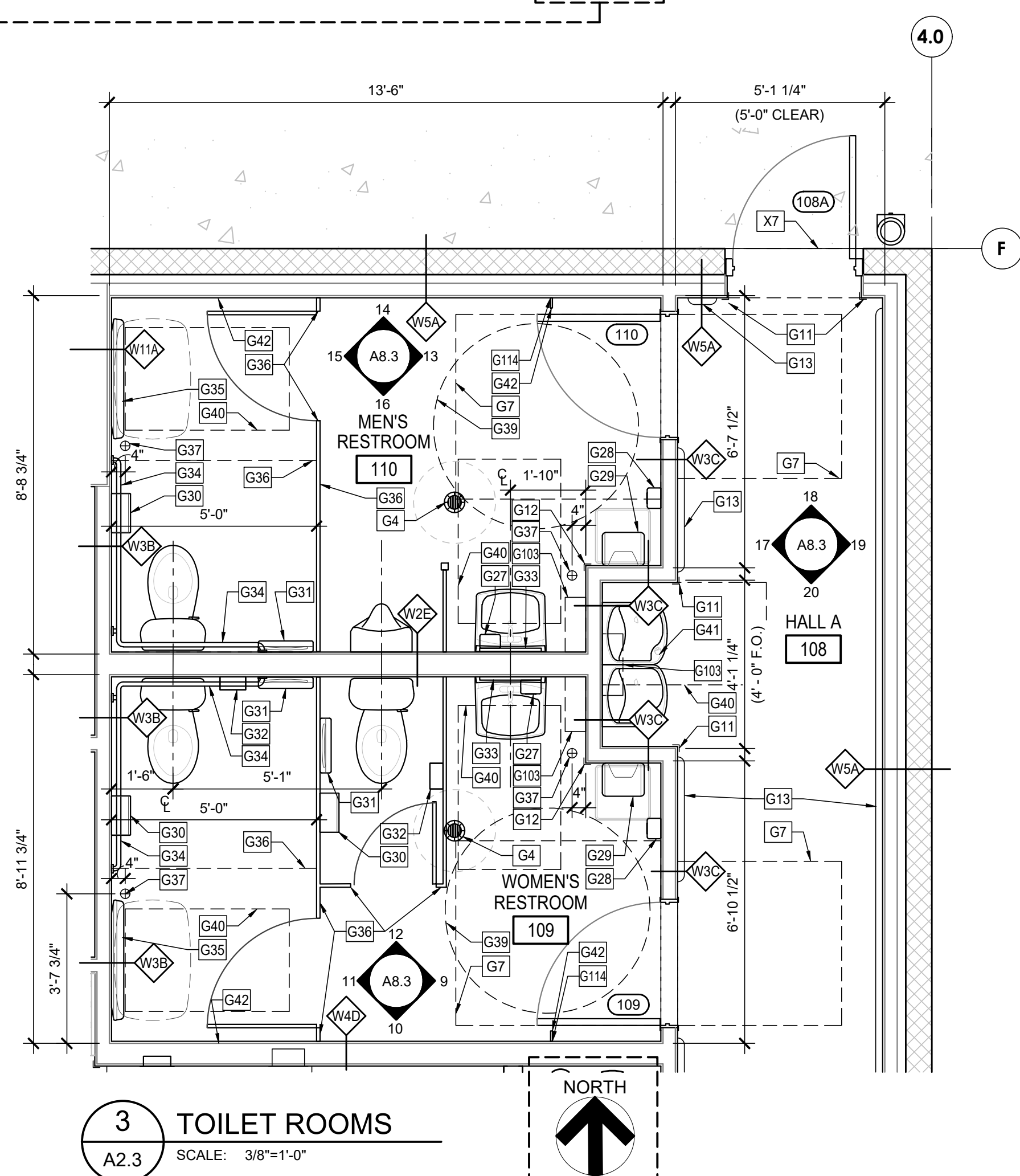
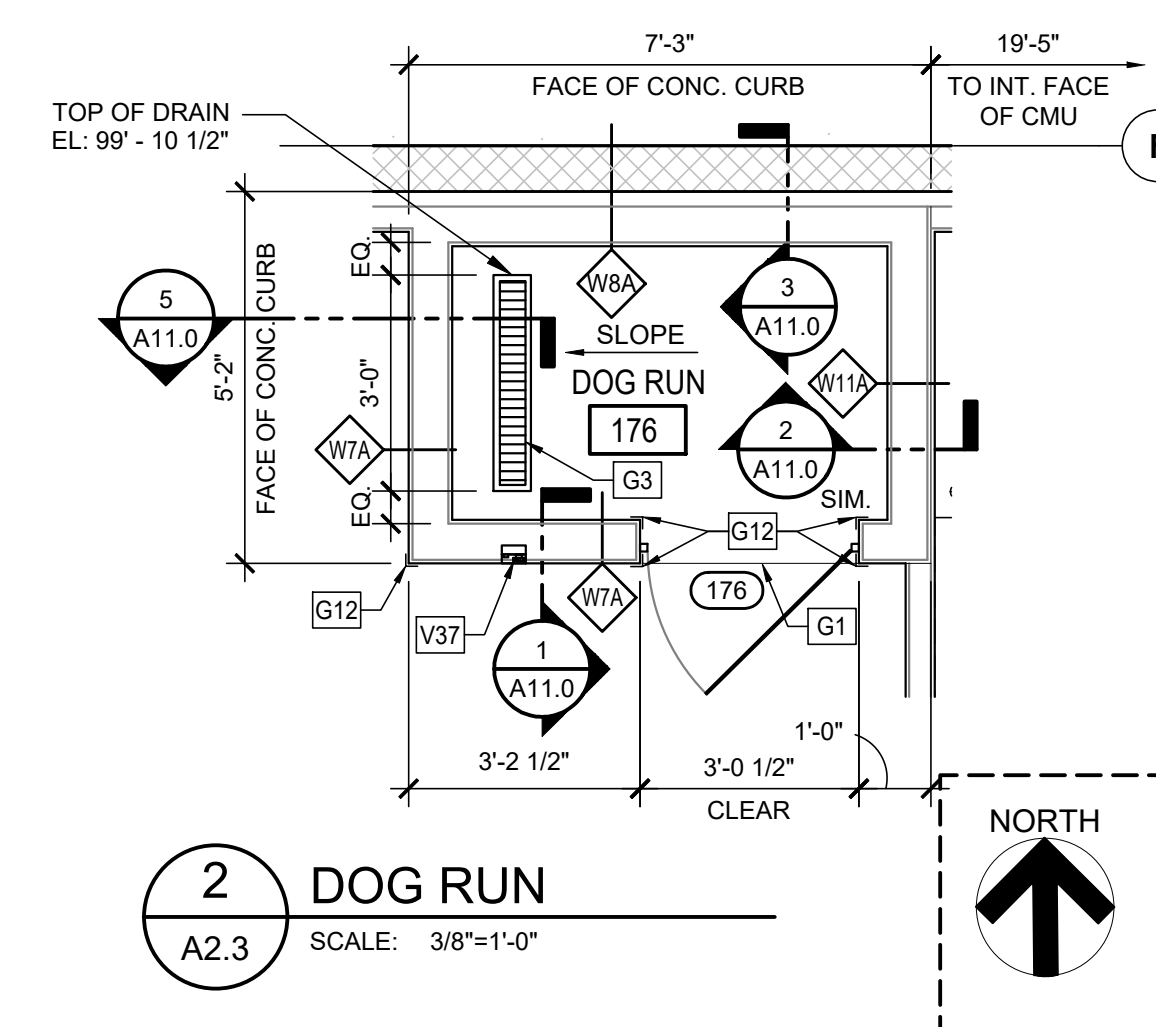
ARCHITECTURAL

F₁

ENLARGED FLOOR PLANS

TEST NAME:

A2.2



- # GENERAL NOTES:
1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.
 2. NO VISIBLE FLOOR CUTS ACCEPTABLE AT ANY LOCATIONS, UNLESS APPROVED BY PETSMAART CONSTRUCTION MANAGER.
 3. ALL INTERIOR PARTITION DIMENSIONS ARE TO FACE OF STUD OR INTERIOR FACE OF EXTERIOR CMU/CONC. WALL UNLESS NOTED OTHERWISE.
 4. ALL WALLS BEHIND MILLWORK SHALL HAVE FINAL FINISH PRIOR TO INSTALLATION. ALL FLOORING FINISH MATERIAL SHALL BE INSTALLED PRIOR TO MILLWORK INSTALLATION.
 5. SEALANTS TO BE SAME COLOR AS ADJACENT SURFACE UNLESS NOTED OTHERWISE.
 6. ASSUMED FINISH FLOOR ELEVATION WITH THE ARCHITECTURAL DRAWINGS IS SHOWN AS 100'-0".
 7. FOR ALL DOORS REQUIRING WALL MOUNTED DOOR STOPS, PROVIDE PLYWOOD BLOCKING PER BLOCKING SCHEDULE.
 8. SEALANT IN ALL WET AREAS TO BE SIKAFLEX 1A POLYURETHANE SEALANT (COLOR TO MATCH ADJACENT SURFACES).
 9. PROVIDE RODENT CONTROL MESH SECURED WITH EXPANDING FOAM AROUND ALL PENETRATIONS. INSTALL IN A WORKMANLIKE MANNER, SEE SPECS.
 10. FOR LOCATION OF DOOR JAMBS NOT SHOWN ON PLAN, SEE DETAIL 10A/B.0.
 11. SEE SHEET A9.0 FOR WALL TYPES.
 12. CONTRACTOR TO INSTALL PAPER TOWEL DISPENSER AND HAND SANITIZER IN ADDITION CENTER OF EACH NEW KENNELS. ON REPTILE HABITAT ON SIDE FACING AWAY FROM FRONT DOOR, ON DOOR OF BIRD HABITAT, AND ALL PET CLEANUP STATIONS AS DIRECTED BY PETSMAART CONSTRUCTION MANAGER.
 13. ALL MILLWORK IN THE SALON AREA IS SUPPLIED AND INSTALLED AS PART OF THE GENERAL CONTRACT BY THE G.C. THROUGH REQUIRED VENDOR PROGRAM WITH MILLWORK VENDOR.
 14. CONTRACTOR IS TO PROVIDE ALL REQUESTED SIZE MEASURED DIMENSIONS FOR DECOR CONTRACTOR.
 15. SEE SHEET A0.0 FOR DOOR SCHEDULE AND SHEET A6.1 FOR STOREFRONT AND WINDOW ELEVATIONS.

WALL PARTITION INSULATION LEGEND	
	W= WALL TYPE TAG. (SEE SHEET A9.0 FOR WALL TYPES) X= NUMBER IDENTIFYING WHICH WALL TYPE Y= LETTER IDENTIFYING WHICH TYPE & EXTENT OF INSULATION
LABEL	INSULATION DESCRIPTION
"A"	2-1/2" RIGID INSULATION FULL HEIGHT
"B"	UNFACED 3-1/2" BATT. INSULATION FULL HEIGHT
"C"	UNFACED 3-1/2" BATT. INSULATION TO 6" ABOVE FINISHED CEILING
"D"	UNFACED 6" BATT. INSULATION FULL HEIGHT
"E"	UNFACED 6" BATT. INSULATION TO 6" ABOVE FINISHED CEILING

TENANT:	 PETSMART 19601 North 27th Avenue Phoenix, Arizona 85027 - (623) 580-6100
PROJECT:	18K 2025 U.S. VET SERVICES INSTRUCTION SET FEBRUARY 12, 2025

ARCHITECT:

SEAL

4

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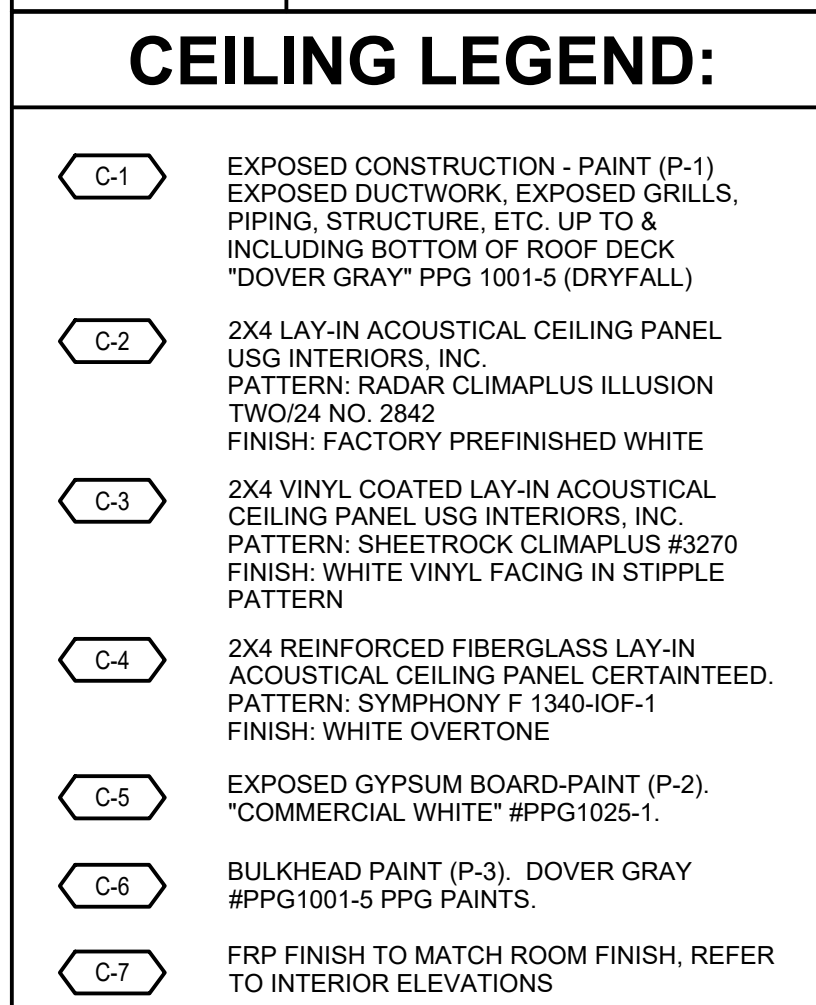
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PROJECT NO: 18K 2025 US INSTRUCTION SET	
ORIGINAL SCALE: AS INDICATED	IF THIS BAR IS NOT 1" LONG ADJUST YOUR PLOTTING SCALE
DRAWN BY: XXX	
CHECKED BY: XXX	
PAGE #: 01 OF: 56	
1"	

DISCIPLINE:	ARCHITECTURAL
TITLE:	ENLARGED FLOOR PLANS
SHEET NUMBER:	A2.3



DATE: _____

ARCHITECTURAL

BY: _____

ENLARGED
REFLECTED
CEILING PLAN

SHEET NUMBER: **A3.0**

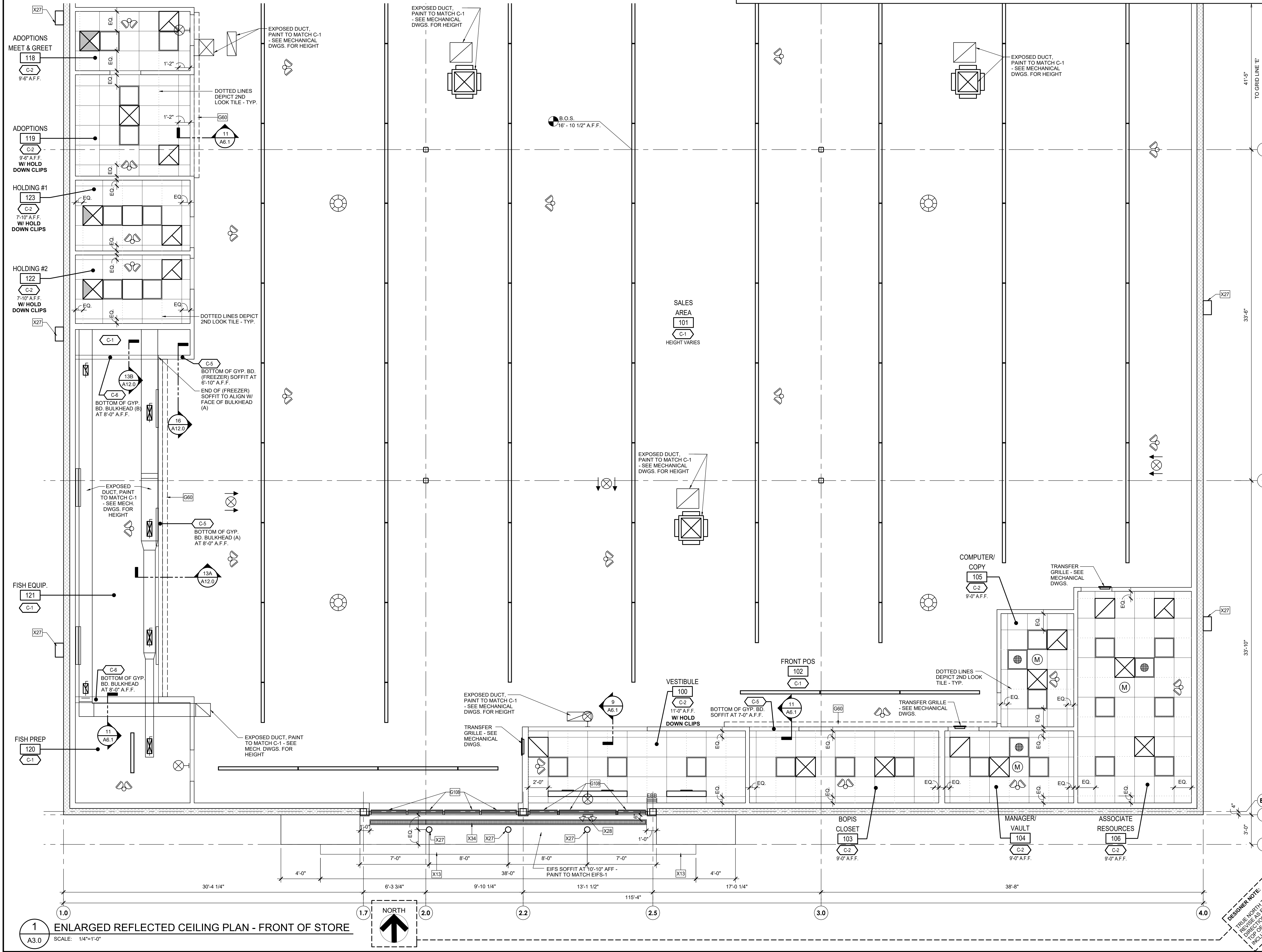


Figure 1: Typical Mechanical Room Layout. The diagram shows a cross-section of a mechanical room with the following components and zones from top to bottom:

- ELEC. ZONE:** Contains a SPRINKLER LINE and ELECTRICAL CONDUIT.
- WATER ZONE:** Contains a SPRINKLER LINE.
- STEEL JOISTS:** Structural supports for the upper zones.
- STEEL GIRDER:** A vertical structural member.
- TYP. H.V.A.C. DUCT ZONE (SEE NOTE #5 FOR ALTERNATE LOCATION):** Contains an H.V.A.C. DUCT.
- LIGHT FIXTURE ZONE:** Contains a LIGHT TROFFER.

A vertical dimension line indicates a **TYP. MIN. (SEE PLAN)** clearance between the H.V.A.C. duct zone and the light fixture zone.

- GENERAL NOTES:**
1. THIS IS A CONCEPT DRAWING ONLY AND IS INTENDED TO REPRESENT AREAS WHERE WATER LINES, SPRINKLER LINES, ELECTRICAL CONDUITS AND H.V.A.C. DUCTWORK RUNS ARE TO BE ROUTED.
 2. IT REMAINS EACH CONTRACTORS RESPONSIBILITY TO COORDINATE ROUTING OF LINES, DUCTS, CONDUIT WITH OTHER TRADES TO INSURE A COMPLETE INSTALLATION
 3. HOLD ELECTRICAL CONDUIT TIGHT AS POSSIBLE TO TOP CHORD OF JOISTS.
 4. ALL EQUIPMENT, LINES, ETC. ARE TO BE SUSPENDED FROM JOISTS, WITH APPROPRIATE HANGERS, ETC.. DO NOT LAY EQUIPMENT ALONG BOTTOM CHORD OF JOISTS OR SUSPEND FROM ROOF DECK.
 5. H.V.A.C. DUCTWORK TO BE INSTALLED IN JOIST SPACE ON CERTAIN PROJECTS. BOTTOM OF DUCTWORK TO BE ABOVE BOTTOM OF JOIST. VERIFY WITH MECHANICAL SHEETS ON EACH PROJECT FOR SPECIFIC REQUIREMENTS AND EXACT LOCATION OF DUCTWORK.
 6. THIS DETAIL TO BE DISTRIBUTED TO ALL CONTRACTORS INSTALLING WORK LISTED.
 7. PIPING AND OR CONDUIT PENETRATING WALLS, IN CUSTOMER AREAS, SHALL BE CONCEALED IN ADJACENT METAL STUD WALLS OR BOXED OUT, TO BE HIDDEN FROM CUSTOMER VIEW. ALL BOX OUT AREAS ARE TO BE AS SMALL AS POSSIBLE AND BE APPROVED BY ARCHITECT AND OWNER PRIOR TO INSTALLATION.

	SUSPENDED 8' LED LIGHT AT 14'-0" OR 12'-0" A.F.F. (REFER TO ELECTRICAL)
	WALL MOUNTED 4' LED LIGHT AT 8'-0" OR 8'-0" A.F.F. (REFER TO ELECTRICAL)
	2X2 LED LIGHT IN T-BAR CEILING
	CEILING MOTION SENSOR
	CANOPY POT LIGHTS
	EXTERIOR WALL MOUNTED FIXTURE
	EMERGENCY EXIT SIGNAGE - LOCATION AND MOUNT PER CITY AND FIRE MARSHALL REQUIREMENTS. COORDINATE WITH ELECTRICAL. WALL MOUNT AT DOORS.
	EMERGENCY LIGHT HEADS - CEILING MOUNTED
	DC BATTERY UNIT. SEE ELECTRICAL DRAWINGS
	CEILING MOUNTED SPEAKER
	CEILING MOUNTED HEATER
	SUPPLY DIFFUSER
	RETURN DIFFUSER
	EXHAUST DIFFUSER
	2' x 4' RETURN DIFFUSER
	LINEAR SLOT DIFFUSER
	LOUDSPEAKER
	PENDANT MOUNTED SPEAKER
	SURGERY / TREATMENT LIGHT
	SCAVENGER CEILING OUTLET
	SCAVENGER UNIT
	CEILING MOUNTED HANGING RECEPTACLES

C-1	EXPONDED CONSTRUCTION - PAINT (P-1) EXPONDED DUCTWORK, EXPONDED GRILLS, PIPING, STRUCTURE, ETC. UP TO & INCLUDING BOTTOM OF DOOR/DOOR DOVER GRAY" PPG 1001-5 (DRYFALL)
C-2	2X4 LAY-IN ACOUSTICAL CEILING PANEL USO INTERIORS, INC. PATTERN: RADAR CLIMPLUS ILLUSION 270/24 NO. 2842 FINISH: FACTORY PREFINISHED WHITE
C-3	2X4 VINYL COATED LAY-IN ACOUSTICAL CEILING PANEL, USO INTERIORS, INC. PATTERN: SHEETROCK CLIMPLUS 83270 FINISH: WHITE VINYL GLOSS FINISH IN STIPPLE PATTERN
C-4	2X4 REINFORCED FIBERGLASS LAY-IN ACOUSTICAL CEILING PANEL CERTAINTED PATTERN: SYMPHONY F 1340-OF-1 FINISH: WHITE OVER TOP
C-5	EXPONDED GYPSUM BOARD-PANEL (P-2) "COMMERCIAL WHITE" #PPG1025-1
C-6	BULKHEAD PANEL (P-3), DOVER GRAY PPG1001-5 PPG PANTS
C-7	FRP FINISH TO MATCH ROOM FINISH, REFER TO INTERIOR ELEVATIONS

PROJECT: 18K 2025 U.S.
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PROJECT NO: 18K 2025 US INSTRUCTION SET

ORIGINAL SCALE: AS INDICATED	
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DRAWN BY: XXX

CHECKED BY:	PLOTTING SCALE
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PAGE #:	48
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DISCIPLINE: ARCHITECTURAL

TITLE: _____

ENLARGED
REFLECTED
CEILING PLAN

SHEET NUMBER: _____

A3.1

ENLARGED REFLECTED CEILING PLAN - BACK OF STORE

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

DESIGNER NOTE:
TRUE NORTH TO BE PROJECT SPECIFIC.
REVERSE AS REQUIRED IF THE NORTH
DIRECTION IS ALREADY TOWARDS THE TOP
OF THE PAGE. THERE IS NO NEED TO
"PROJECT NORTH"

Diagram illustrating the elevation view of a ceiling assembly, showing various components and zones:

- ELEC. ZONE**: Electrical zone.
- SPRINKLER LINE ZONE**: Sprinkler line zone.
- WATER ZONE**: Water zone.
- STEEL JOISTS**: Structural supports for the ceiling.
- STEEL GIRDER**: Structural support for the ceiling.
- TYP. H.V.A.C. DUCT ZONE (SEE NOTE #5 FOR ALTERNATE LOCATION)**: Typical H.V.A.C. duct zone.
- 8" MIN. (SEE PLAN)**: Minimum clearance dimension.
- LIGHT FIXTURE ZONE**: Zone for light fixtures.
- SPRINKLER LINE**: Line for sprinkler system.
- WATER ELECTRICAL CONDUIT**: Conduit for water and electrical.
- H.V.A.C. DUCT**: Heating, Ventilation, and Air Conditioning duct.
- LIGHT TROFFER**: Component of the lighting fixture.

- GENERAL NOTES:**
1. THIS IS A CONCEPT DRAWING ONLY AND IS INTENDED TO REPRESENT AREAS WHERE WATER LINES, SPRINKLER LINES, ELECTRICAL CONDUITS AND H.V.A.C. DUCTWORK RUNS ARE TO BE ROUTED.
 2. IT REMAINS EACH CONTRACTOR'S RESPONSIBILITY TO COORDINATE ROUTING OF JOISTS, DUCTS, CONDUIT WITH OTHER TRADES TO INSURE A COMPLETE INSTALLATION.
 3. HOLD ELECTRICAL CONDUIT TIGHT AS POSSIBLE TO TOP CHORD OF JOISTS.
 4. ALL EQUIPMENT, LINES, ETC. ARE TO BE SUSPENDED FROM JOISTS, WITH APPROPRIATE HANGERS, ETC.. DO NOT LAY EQUIPMENT ALONG BOTTOM CHORD OF JOISTS OR SUSPEND FROM ROOF DECK.
 5. H.V.A.C. DUCTWORK TO BE INSTALLED IN JOIST SPACE ON CERTAIN PROJECTS. BOTTOM OF DUCTWORK TO BE ABOVE BOTTOM OF JOIST. VERIFY WITH MECHANICAL SHEETS ON EACH PROJECT FOR SPECIFIC REQUIREMENTS AND EXACT LOCATION OF DUCTWORK.
 6. THIS DETAIL TO BE DISTRIBUTED TO ALL CONTRACTORS INSTALLING WORK LISTED.
 7. PIPING AND OR CONDUIT PENETRATING WALLS, IN CUSTOMER AREAS, SHALL BE CONCEALED IN ADJACENT METAL STUD WALLS OR BOXED OUT, TO BE HIDDEN FROM CUSTOMER VIEW. ALL BOX OUT AREAS ARE TO BE AS SMALL AS POSSIBLE AND BE APPROVED BY ARCHITECT AND OWNER PRIOR TO INSTALLATION.

	SUSPENDED 8' LED LIGHT AT 14'-0" OR 12'-0" A.F.F. (REFER TO ELECTRICAL)
	WALL MOUNTED 4' LED LIGHT AT 8'-0" OR 9'-0" A.F.F. (REFER TO ELECTRICAL)
	2X2 LED LIGHT IN T-BAR CEILING
	CEILING MOTION SENSOR
	CANOPY POT LIGHTS
	EXTERIOR WALL MOUNTED FIXTURE
	EMERGENCY EXIT SIGNAGE - LOCATION AND MOUNT PER CITY AND FIRE MARSHALL REQUIREMENTS COORDINATE WITH ELECTRICAL, WALL MOUNT AT DOORS.
	EMERGENCY LIGHT HEADS - CEILING MOUNTED
	DC BATTERY UNIT, SEE ELECTRICAL DRAWINGS
	CEILING MOUNTED SPEAKER
	CEILING MOUNTED HEATER
	SUPPLY DIFFUSER
	RETURN DIFFUSER
	EXHAUST DIFFUSER
	2' x 4' RETURN DIFFUSER
	LINEAR SLOT DIFFUSER
	LOUDSPEAKER
	PENDANT MOUNTED SPEAKER
	SURGERY / TREATMENT LIGHT
	SCAVENGER CEILING OUTLET
	SCAVENGER UNIT
	CEILING MOUNTED HANGING RECEPTACLES

C-1	EXPPOSED CONSTRUCTION - PAINT (P-1) EXPPOSED DUTYWORK: EXPOSED GRILLS, PIPING, STRUCTURE, LIFT UP TO 8' INCLUDING BOTTOM OF ROOF DECK "DOVER GRAY" PPG 1001-5 (DRYFALL)
C-2	2X4 LAY-IN ACOUSTICAL CEILING PANEL US INTERIORS, INC. PATTERN: RADAR CLIMAPLUS ILLUSION TAJODA NO. 2842 FINISH: FACTORY PREFINISHED WHITE
C-3	2X4 VINYL COATED LAY-IN ACOUSTICAL CEILING PANEL US INTERIORS, INC. PATTERN: SHEETROCK 1000-10033270 FINISH: WHITE VINYL FACING IN STIPPLE PATTERN
C-4	2X4 REINFORCED FIBERGLASS LAY-IN ACOUSTICAL CEILING PANEL CERTAINTEED PATTERN: SYMPHONY F 1340-01F FINISH: WHITE OVERTONE
C-5	EXPOSED GYPSUM BOARD PAINT (P-2) "COMMERCIAL WHITE" PPG1025-1
C-6	BULKHEAD PAINT (P-3). DOVER GRAY PPG1001-5 (DRYFALL)
C-7	FRP FINISH TO MATCH ROOM FINISH, REFLECT TO INTERIOR ELEVATIONS

PROJECT: 18K 2025 U.S.
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FEBRUARY 12, 2025

ARCHITECT:

CONSULTANT:	
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AS INDICATED

DRAWN BY:

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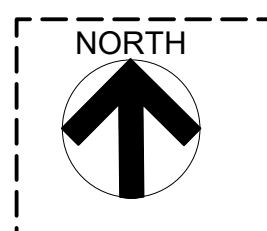
TITLE: _____

ENLARGED
REFLECTED
CEILING PLAN

SHEET NUMBER:

A3.2

1 ENLARGED REFLECTED CEILING PLAN - BACK OF STORE
A3.2 SCALE: 1/4"=1'-0"



DESIGNER NOTE:
TRUE NORTH TO BE PROVIDED
REVISE AS REQUIRED. IF
DIRECTION IS ALREADY TO
OF THE PAGE, THERE IS NO
"PROJECT NORTH"

DOOR SCHEDULE

MARK	DOORS							FRAME					HARDWARE GROUP	DETAILS			MARK	LOCATION	REMARKS
	WIDTH	HEIGHT	THKN.	TYPE	MATERIAL	FINISH	COLOR	HEAD	JAMB	MATERIAL	FINISH	COLOR		HEAD	JAMB	SILL			
100A	12'-0"	7'-8" (10'-10")	--	1A	ALUM./GLASS	PREFINISHED	CLEAR	--	--	ALUM.	ANODIZED	CLEAR	1	5/A6.1	2 & 3/A6.1 SIM.	11/A6.0	100A	VESTIBULE	7" CLEAR ANODIZED ALUMINUM THRESHOLD ACROSS ENTIRE WIDTH OF DOOR.
100B	12'-0"	7'-6"	--	1B	ALUM./GLASS	PREFINISHED	CLEAR	--	--	ALUM.	ANODIZED	CLEAR	1	9/A6.1	6 & 7/A6.1 SIM.	--	100B	VESTIBULE	NO THRESHOLD - NO BRUSHES ON ACTIVE PANELS
102	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102	--	NOT USED
103	5'-0" OPN.	7'-0" OPN.	--	--	--	--	--	--	--	--	--	--	--	11/A6.1	9B/A6.0	--	103	BOPIS	--
104	3'-0"	7'-0"	1 3/4"	6A	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	3	2A/A6.0	2B/A6.0	--	104	MGR./VAULT	1" UNDERCUT DOOR
105	3'-0"	7'-0"	1 3/4"	6B	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	8	2A/A6.0	2B/A6.0	--	105	COMP./COPY	1" UNDERCUT DOOR
106	3'-0"	7'-0"	1 3/4"	6D	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	15	2A/A6.0	2B/A6.0	--	106	ASSOC. RES.	--
107	3'-0"	3'-6"	--	--	--	--	--	--	--	--	--	--	2	--	--	--	107	PET TRAINING	DECORATIVE GATE SUPPLIED WITH FENCE AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR
108A	3'-4"	7'-0"	1 3/4"	3	INS. H.M.	PAINT	P-6 COMMERCIAL WHITE	4"	2"	H.M.	PAINT	MATCH WALL	13	7A/A6.0	7B/A6.0	8/A6.0	108A	HALL A	INSTALL "XCLUDER" SILL & JAMB SEALS. OBTAIN FROM XCLUDER NATIONAL VENDOR. EXTERIOR SIDE PAINTED TO MATCH EXTERIOR WALL.
108B	5'-0" OPN.	8'-0" OPN.	--	--	--	--	--	--	--	--	--	--	--	11/A6.1	9B/A6.0	--	108B	HALL A	--
109	3'-0"	7'-0"	1 3/4"	6D	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	10	2A/A6.0	2B/A6.0	--	109	WOMEN'S RESTROOM	--
110	3'-0"	7'-0"	1 3/4"	6D	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	10	2A/A6.0	2B/A6.0	--	110	MEN'S RESTROOM	--
111	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	111	--	NOT USED
112	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	112	--	NOT USED
113A	3'-0"	3'-6"	--	--	--	--	--	--	--	--	--	--	2	--	--	--	113A	SALON CHECK-IN	DECORATIVE GATE SUPPLIED WITH FENCE AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR
113B	3'-0"	3'-6"	--	--	--	--	--	--	--	--	--	--	2	--	--	--	113B	SALON COUNTER	MILLWORK GATE SUPPLIED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR
114	3'-0"	7'-0"	1 3/4"	5	ALUM./GLASS	PREFINISHED	CLEAR	1-1/2"	1-1/2"	ALUM.	ANODIZED	CLEAR	5	3A/A6.0	3B/A6.0	--	114	SALON	NO THRESHOLD, LOCATE CLOSER ON ROOM SIDE OF DOOR.
115A	3'-0"	7'-0"	1 3/4"	5	ALUM./GLASS	PREFINISHED	CLEAR	1-1/2"	1-1/2"	ALUM.	ANODIZED	CLEAR	5	3A/A6.0	3B/A6.0	--	115A	DRYING AREA	NO THRESHOLD, LOCATE CLOSER ON ROOM SIDE OF DOOR.
115B	3'-0"	7'-0"	1 1/2"	4A	ABS-PLASTIC	PREFINISHED	CLOUD GRAY	--	--	METAL	PREFINISHED	GRAY	2	6/A6.0 SIM.	6/A6.0	--	115B	DRYING AREA	IMPACT DOOR (CHANNEL FRAME)
116	4'-0" OPN.	7'-0" OPN.	--	--	--	--	--	--	--	--	--	--	--	9A/A6.0	9B/A6.0	--	116	BATHING	WRAP PLASTIC PANELS AT HEAD & JAMB -SEE INTERIOR ELEVATIONS
117A	PR. 3'-0"	8'-0"	1 1/2"	4B	ABS-PLASTIC	PREFINISHED	CLOUD GRAY	--	--	METAL	PREFINISHED	GRAY	2	5/A6.0	5/A6.0 SIM.	--	117A	RECEIVING	IMPACT DOOR WITH BUMPER (TUBE STEEL FRAME)
117B	PR. 3'-0"	8'-0"	1 3/4"	3	INS. H.M.	PAINT	P-5 DOVER GRAY	4"	2"	H.M.	PAINT	MATCH WALL	7	7A/A6.0	7B/A6.0	8/A6.0	117B	RECEIVING	INSTALL "XCLUDER" SILL, JAMB & ASTRAGAL SEALS. OBTAIN FROM XCLUDER NATIONAL VENDOR. EXTERIOR SIDE PAINTED TO MATCH EXTERIOR WALL.
117C	8'-0"	10'-0"	--	2	INSUL. METAL	PREFINISHED	WHITE	--	--	STEEL	PAINT	MATCH WALL	11	14/A11.0	4/A6.0	--	117C	RECEIVING	VERTICAL LIFT, CHAIN PULL TO BE LOCATED ON RIGHT SIDE. INSTALL "XCLUDER" SILL & JAMB SEALS. OBTAIN FROM XCLUDER NATIONAL VENDOR.
118	3'-0"	7'-0"	1 3/4"	5	ALUM./GLASS	PREFINISHED	CLEAR	1-1/2"	1-1/2"	ALUM.	ANODIZED	CLEAR	6	3A/A6.0	3B/A6.0	--	118	MEET & GREET	1" UNDERCUT DOOR, NO THRESHOLD, LOCATE CLOSER ON ROOM SIDE OF DOOR.
119	3'-0"	7'-0"	1 3/4"	6C	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	9	2A/A6.0	2B/A6.0	--	119	ADOPTIONS	1" UNDERCUT DOOR, LOCATE CLOSER ON ROOM SIDE OF DOOR.
120	3'-0"	7'-0"	1 1/2"	4A	ABS-PLASTIC	PREFINISHED	CLOUD GRAY	--	--	METAL	PREFINISHED	GRAY	2	6/A6.0 SIM.	6/A6.0	--	120	FISH PREP.	IMPACT DOOR HINGE MOUNTED TO SIDEWALL (CHANNEL FRAME)
121	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	121	--	NOT USED
122	3'-0"	7'-0"	1 3/4"	6E	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	14	2A/A6.0	2B/A6.0	--	122	HOLDING #2	PROVIDE DOOR LOUVER WITH MESH INSECT SCREEN ON HOLDING ROOM SIDE OF DOOR
123	3'-0"	7'-0"	1 3/4"	6E	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	14	2A/A6.0	2B/A6.0	--	123	HOLDING #1	PROVIDE DOOR LOUVER WITH MESH INSECT SCREEN ON HOLDING ROOM SIDE OF DOOR
200	3'-0"	3'-0"	1 3/4"	3	METAL	PAINT	MATCH WALL	2"	2"	H.M.	PREFINISHED	MATCH WALL	16	7B/A6.0 SIM.	7B/A6.0 SIM.	--	200	ROOF PARAPET	EXTERIOR PAINT COLOR TO MATCH ADJACENT WALL COLOR

HARDWARE SCHEDULE:

HARDWARE GROUP 1

1 EACH HAGER MORTISE CYLINDER 3902 IC 1 3/8" AR CAM x US26D W/ THUMBTURN (4066 x 628)
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
2 EACH HAGER DOOR SWEEP 750S 1 x 36" x CLR
1 EACH HAGER WEATHERSTRIP 891S 1 x 36" x 2 x 84"
1 EACH ADAMS RITE SIGN "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS" (BLACK) 20-0255-IP

BALANCE OF DOOR HARDWARE BY DOOR MANUFACTURER

HARDWARE GROUP 2

ALL HARDWARE BY DOOR SUPPLIER

HARDWARE GROUP 3

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4" BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH DOOR SCOPE DS1000 MG @ 5'-0" A.F.F. @ DOOR 104
1 EACH DON JO LATCH PROTECTOR LP-206 x SL
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 4

NOT USED

HARDWARE GROUP 5

1 EACH HAGER MORTISE CYLINDER 3902 IC 1 3/8" AR CAM x US26D
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH ADAMS RITE THUMB-TURN CYLINDER 4066 x 628
1 EACH HAGER CLOSER 5100 14 MLT x US26D
1 EACH HAGER DROP PLATE 5110 x US26D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH SCHLAGE BLOCKING RING 35-079 137 x 626

THUMB CYLINDER OCCURS AT THE ROOM SIDE (114 & 115A) OF THE LOCKSET. LOCK CYLINDER SHALL ACCEPT BEST CORE. REMAINDER OF HARDWARE BY DOOR MANUFACTURER.

HARDWARE GROUP 6

1 EACH HAGER CLOSER 5100 14 MLT x US26D
1 EACH HAGER DROP PLATE 5110 x US26D
1 EACH HAGER WALL STOP 236W x US32D

REMAINDER OF HARDWARE BY DOOR MANUFACTURER

HARDWARE GROUP 7

8 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 NRP x US26D
1 EACH HAGER EXIT SET 3525 WTN 2 3/4 BACKSET x US26D
2 EACH HAGER AUTO FLUSHBOLT w/ 24" TOP ROD 292D x US32D w/ 1-269-3900 x US32D (IN-ACTIVE LEAF)
1 EACH HAGER COORDINATING DEVICE 297D 72" x BLACK
1 EACH HAGER MOUNTING BRACKET 297B x BLACK
2 EACH HAGER CLOSER 5100 26 510S x ALM
2 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH DOOR SCOPE DS1000 MG @ 5'-0" A.F.F. (ACTIVE LEAF)
1 EACH DON JO ANGLE LATCH PROTECTOR ALP-206 SL
1 EACH HAGER DUST PROOF STRIKE 280X x US26D
1 EACH HAGER DRIP CAP 810S 78" x MIL
1 SET XCLUDER ASTRAGAL DOOR SEAL #162924
2 EACH XCLUDER SWEEP (1) 36" #162602
1 EACH HAGER THRESHOLD 410S 72" x MIL

HARDWARE GROUP 8

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER PASSAGE SET 3410 WTN 2 3/4 BACKSET x US26D
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ALS
1 EACH NATL. GRD. LITE KIT L-GLF100-134 (17-1/2" X 31-1/2") ASL
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 9

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4" BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH NATL. GRD. LITE KIT L-GLF100-134 (17-1/2" x 31-1/2") ASL
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 10

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER PUSH PLATE 30S 4 x 16 x US32D
1 EACH HAGER PULL PLATE 31E 4 x 16 x US32D
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER SIGN ADA "MEN" 368W-W2 (BLACK) OR "WOMEN" 368W-W2 (BLACK)

HARDWARE GROUP 11

1 EACH HAGER DRIP CAP 810S 100" x MIL

REMAINDER OF HARDWARE BY DOOR MANUFACTURER

HARDWARE GROUP 12 - NOT USED

HARDWARE GROUP 13

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 NRP x US26D
1 EACH HAGER EXIT DEVICE 470 RIM 36" 4910 x US26D
1 EACH HAGER CLOSER 5100 26 510S x ALM
1 EACH DON JO ANGLE LATCH PROTECTOR ALP-206 SL
1 EACH HAGER WEATHERSTRIP 891S 1 x 36", 2 x 84" x MIL
1 EACH HAGER DRIP CAP 810S 40" x MIL
1 EACH XCLUDER SWEEP (1) 36" #162602
1 EACH HAGER THRESHOLD 412S 36" x MIL

HARDWARE GROUP 14

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4 BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH HAGER DOOR SWEEP BRUSH W/ 801S 6 x 36" x MIL (MOUNTED ON HOLDING ROOM SIDE OF DOOR)
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ALS W/ INSECT SCREEN
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 15

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH ILCO SIMPLEX LOCK 5021 B WL 26D 41 (ITIC) x 26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ASL
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 16

2 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 NRP x US26D
1 EACH HAGER DOOR PULL 8N x 628
1 EACH HAGER DEADBOLT W/ THUMBTURN 321S 2 3/4" BACKSET SFC x US26D
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH HAGER WEATHERSTRIP 4 x 36" x MIL

HARDWARE GROUP 17

1 EACH SCHLAGE LOCKSET 3480 WTN 2 3/4" BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH HAGER DOOR SWEEP BRUSH W/ 801S 6 x 36" x MIL (MOUNTED ON HOLDING ROOM SIDE OF DOOR)
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ALS W/ INSECT SCREEN
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 18

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4 BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH HAGER DOOR SWEEP BRUSH W/ 801S 6 x 36" x MIL (MOUNTED ON HOLDING ROOM SIDE OF DOOR)
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ALS W/ INSECT SCREEN
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 19

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4" BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH HAGER DOOR SWEEP BRUSH W/ 801S 6 x 36" x MIL (MOUNTED ON HOLDING ROOM SIDE OF DOOR)
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ALS W/ INSECT SCREEN
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 20

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4" BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH HAGER DOOR SWEEP BRUSH W/ 801S 6 x 36" x MIL (MOUNTED ON HOLDING ROOM SIDE OF DOOR)
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ALS W/ INSECT SCREEN
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 21

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4" BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH HAGER DOOR SWEEP BRUSH W/ 801S 6 x 36" x MIL (MOUNTED ON HOLDING ROOM SIDE OF DOOR)
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ALS W/ INSECT SCREEN
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 22

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4" BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH HAGER DOOR SWEEP BRUSH W/ 801S 6 x 36" x MIL (MOUNTED ON HOLDING ROOM SIDE OF DOOR)
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ALS W/ INSECT SCREEN
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 23

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4" BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH HAGER DOOR SWEEP BRUSH W/ 801S 6 x 36" x MIL (MOUNTED ON HOLDING ROOM SIDE OF DOOR)
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ALS W/ INSECT SCREEN
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

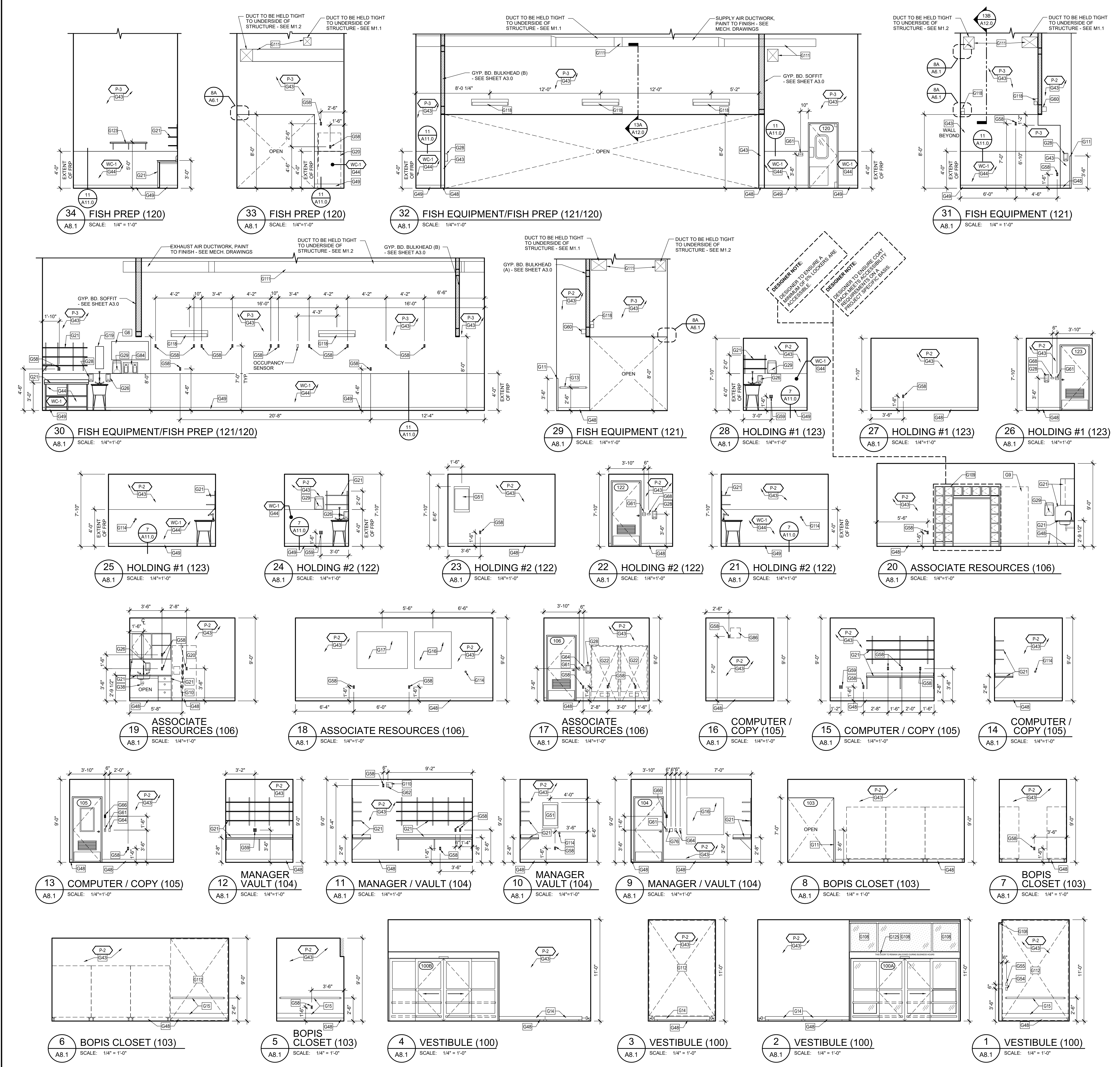
HARDWARE GROUP 24

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4" BACKSET SFC x US26D
1 EACH SCHLAGE CONSTRUCTION CORE 80-035 x GRN
1 EACH SCHLAGE CYLINDER CORE 80-036 x 628 B123 (HK)
1 EACH HAGER CLOSER 5300 14 MLT x ALM
1 EACH HAGER PROTECTION PLATE 190S 12" x 34" x US32D
1 EACH HAGER WALL STOP 236W x US32D
1 EACH ROCKWOOD DOOR HOLDER 460 x ALM
1 EACH HAGER DOOR SWEEP BRUSH W/ 801S 6 x 36" x MIL (MOUNTED ON HOLDING ROOM SIDE OF DOOR)
1 EACH NATL. GRD. LOUVER L-700-RX 24 x 12 ALS W/ INSECT SCREEN
1 EACH KESTLER SIGN "EMPLOYEES ONLY" (BLACK)

HARDWARE GROUP 25

3 EACH HAGER BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH HAGER LOCKSET 3480 WTN 2 3/4" BACKSET SFC x US26D
1

[illegible]



GENERAL NOTES:				TENANT:	
1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.					
FRP GENERAL NOTES:					
1. MILLWORK VENDOR HIRED BY G.C. SHALL PROVIDE AND INSTALL FRP SYSTEM. IT IS THE G.C. RESPONSIBILITY TO INCLUDE THEIR PRICE IN HIS BID.					
2. THERE WILL BE NO EXCEPTIONS. THE AREAS THAT RECEIVE THE FRP MUST BE PROPERLY PREPED. IF THE AREAS ARE NOT CLEAN, PROPERLY PREPARED AND PROPERLY LIGHTED CAUSING A DELAY IN INSTALLATION, THE GC WILL BE REQUIRED TO PAY MILLWORK VENDOR FOR EACH DAY LONGER THAT THE INSTALL TAKES AS WELL AS THE COST TO PREPARE THE AREAS CORRECTLY. THE COST FOR DELAY WILL BE PAID DIRECTLY TO MILLWORK VENDOR.					
3. GENERAL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING MATERIAL TAKE-OFF FOR ORDERING OF THE FRP, TRIM AND BASE (MILLWORK VENDOR TO SUPPLY AND INSTALL).					
4. TYPICAL LEAD TIME FOR FRP MATERIALS IS TO BE COORDINATED WITH MILLWORK VENDOR.					
TILE INSTALLATION CRITERIA:					
1. EXPOSED OR SHARP EDGES ARE NOT PERMITTED. FACTORY FINISHED EDGES (NOT FIELD CUT EDGES) MAY BE EXPOSED ONLY WHERE INDICATED IN THE DRAWINGS.					
2. THE LAYOUT OF THE TILE WANSCOT, SHOWN ON THE INTERIOR ELEVATIONS, IS TO BE LAID OUT SUCH THAT THE FIELD IS EQUAL, CENTERED, FROM END OF THE WALL TO THE OPPOSITE END UNLESS NOTED OTHERWISE. THERE WILL TYPICALLY BE CUT TILES ON BOTH ENDS AND THERE SHALL NEVER BE LESS THAN 1/2 OF ONE TILE USED IN THE FIELD OF THE WANSCOT. UNLESS SPECIFIED START POINT OR ROOM CONFIGURATION DICTATES TILE TO BE LESS THAN 1/2 OF ONE TILE.					
3. IN ALL ROOMS WITH FLOOR TILE AND MATCHING WALL TILE WANSCOT AND TILE BASE, THE JOINTS OF THE FLOOR AND WALL TILES ARE TO ALIGN.					
MISC. BLOCKING SCHEDULE:					
ROOM NAME	ROOM NUMBER	BLOCKING FOR	MATERIAL		
VESTIBULE	100	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 12/A12.0)		
		CRASH RAIL	12" METAL STRAP (SEE DETAIL 12/A12.0)		
SALES AREA	101	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 12/A12.0)		
		DÉCOR LEDGES	3/4" X 24" PLYWOOD		
FRONT P.O.S.	102	DÉCOR LEDGE	3/4" X 24" PLYWOOD		
BOPIS CLOSET	103	DOOR STOP	3/4" PLYWOOD		
MANAGER/VAULT	104	DOOR STOP	3/4" PLYWOOD		
ASSOCIATES RESOURCES	106	PAPER TOWEL DISPENSER	3/4" PLYWOOD		
		HAND SANITIZER	3/4" PLYWOOD		
HALL A	108	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 12/A12.0)		
		STAINLESS STEEL SHELF	3/4" PLYWOOD		
WOMENS RESTROOM	109	DRINKING FOUNTAINS	2X6		
		GRAB BARS			
		TOILET PAPER DISPENSER			
		TOWEL DISPENSER			
		SANITARY NAPKIN DISPOSAL			
		HAND SANITIZER	3/4" PLYWOOD		
		TOILET SEAT COVER DISPENSER			
		MIRROR			
		BABY CHANGING SHELF			
		STAINLESS STEEL SHELF	2 X 6		
MENS RESTROOM	110	CLOTHES HOOK	2 X 6		
		DOOR STOP	3/4" PLYWOOD		
		GRAB BARS			
		TOILET PAPER DISPENSER			
		TOWEL DISPENSER	3/4" PLYWOOD		
		HAND SANITIZER			
		TOILET SEAT COVER DISPENSER			
		MIRROR			
		BABY CHANGING SHELF			
		STAINLESS STEEL SHELF	2 X 6		
SALON	114	CLOTHES HOOK	2 X 6		
		DOOR STOP	3/4" PLYWOOD		
DRYING AREA	115	DOOR STOP	3/4" PLYWOOD		
		MASTER BLASTER DRYERS	2 X 8		
BATHING AREA	116	HAND SANITIZER	3/4" PLYWOOD		
		IMPACT DOOR	2X (SEE DETAIL 6/A6.0)		
RECEIVING	117	SURFACE MOUNTED PIPING & FAUCETS	2 X 6		
		LEASH HOLDERS	3/4" PLYWOOD		
ADOPTIONS MEET & GREET	118	HYDROSURGE	3/4" PLYWOOD		
		EYEWASH	30" AFF TO 78" AFF (SEE INT. ELEVATIONS)		
ADOPTIONS	119	IMPACT DOOR	2 X 6 (SEE DETAIL 5/A6.0)		
		CHEMICAL MIXING SYSTEM	2 X 6		
FISH PREP	120	MOP HOLDER	2 X 6		
		EYEWASH	3/4" PLYWOOD		
HOLDING ROOM #2	122	ROOF LADDER	4X (SEE DETAIL 3/A12.0)		
		HAND SANITIZER	3/4" PLYWOOD		
HOLDING ROOM #1	123	DOOR STOP	3/4" PLYWOOD		
		HAND SANITIZER	3/4" PLYWOOD		
		SOAP DISPENSER	3/4" PLYWOOD		
		PAPER TOWEL DISPENSER	3/4" PLYWOOD		
		IMPACT DOOR	2X (SEE DETAIL 6/A6.0)		
		CHEMICAL MIXING SYSTEM	2 X 6		
		EYEWASH	3/4" PLYWOOD		
		HAND SANITIZER	3/4" PLYWOOD		
		SOAP DISPENSER	3/4" PLYWOOD		
		PAPER TOWEL DISPENSER	3/4" PLYWOOD		
		DOOR STOP	3/4" PLYWOOD		
		HAND SANITIZER	3/4" PLYWOOD		
		SOAP DISPENSER	3/4" PLYWOOD		
		PAPER TOWEL DISPENSER	3/4" PLYWOOD		

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PROJECT: 18K 2025 U.S. VET SERVICES INSTRUCTION SET

FEBRUARY 12, 2025

ARCHITECT:

CONSULTANT:

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CITY REAL:

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ORIGINAL SCALE: AS INDICATED

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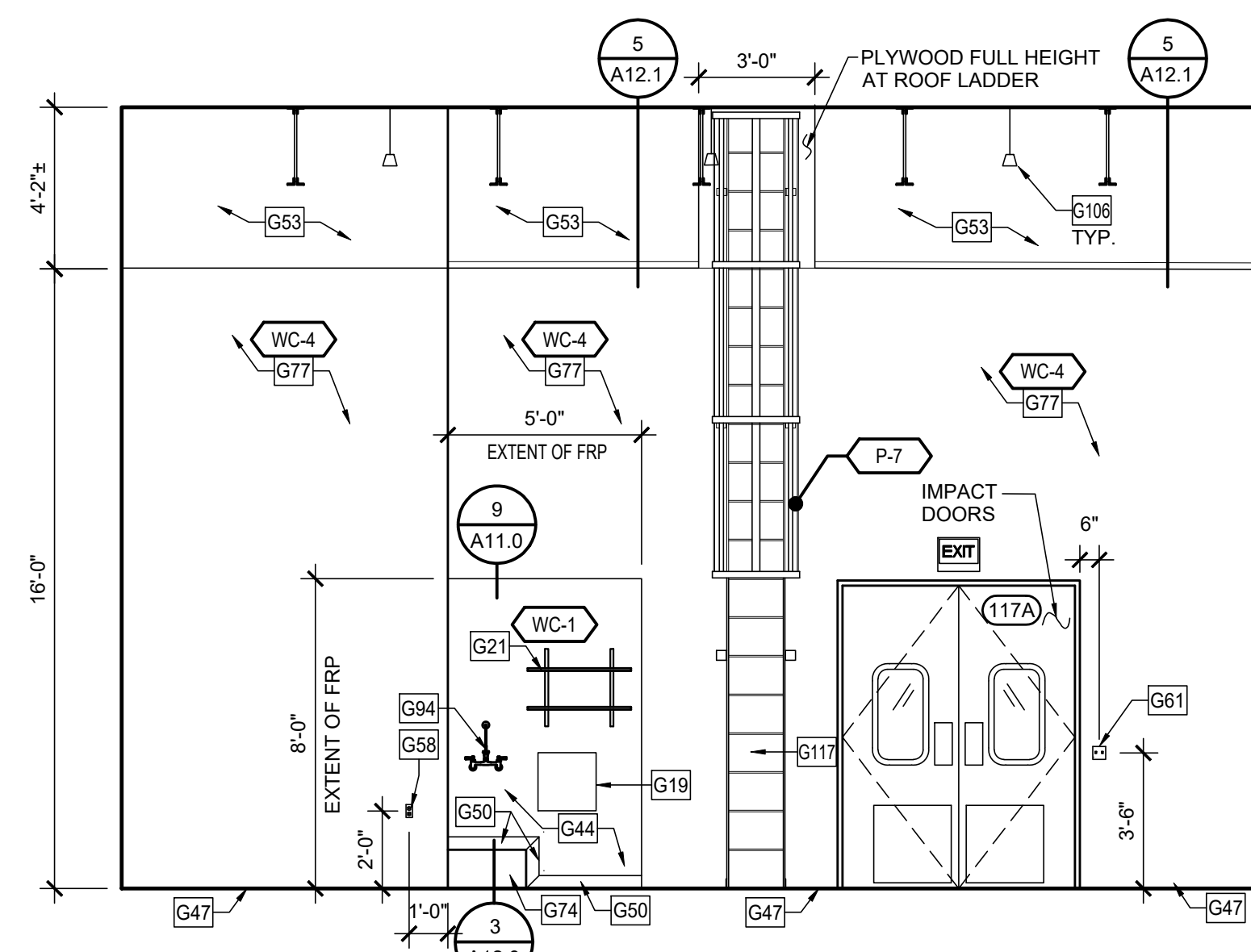
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PAGE #: 01 OF 56

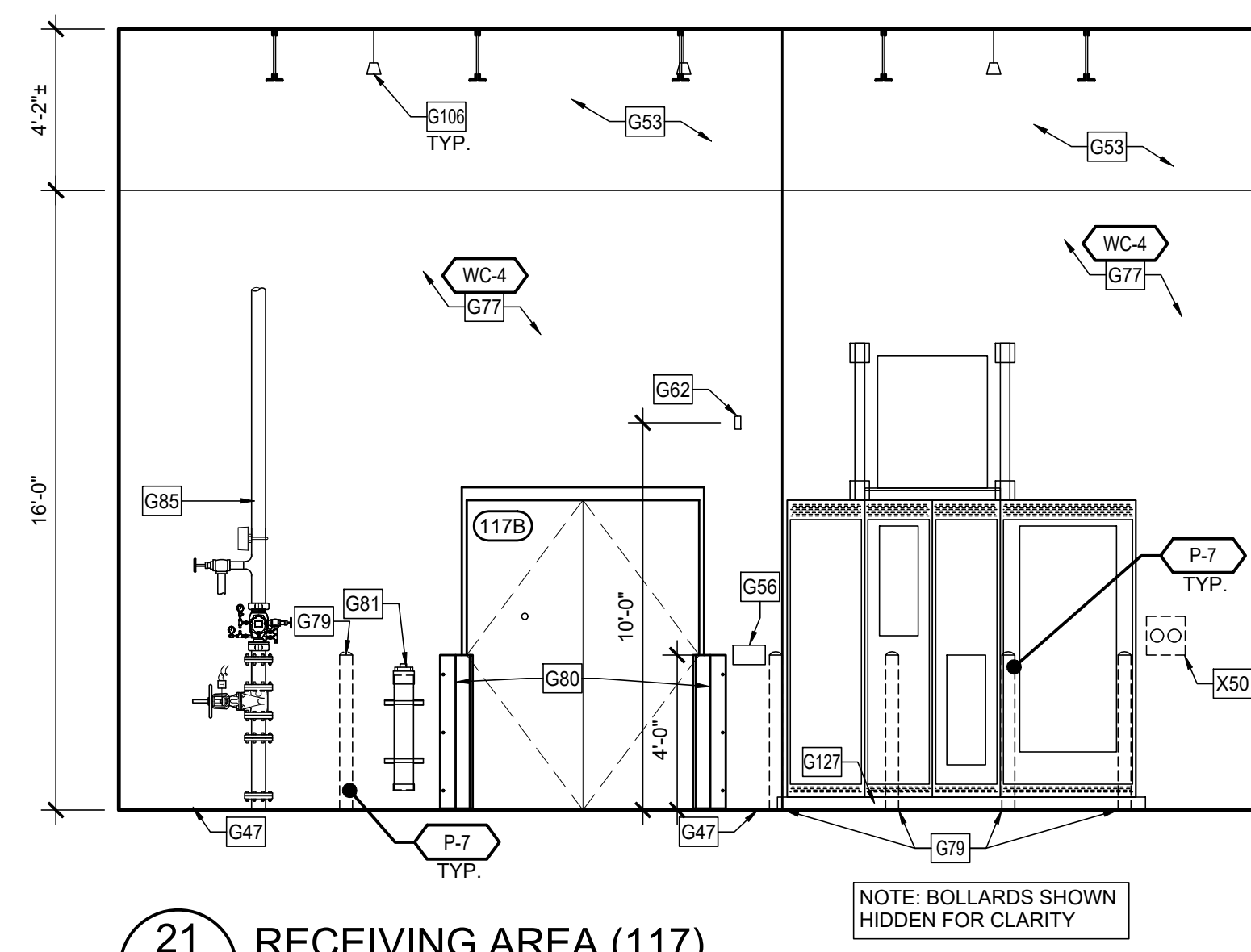
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TITLE: INTERIOR ELEVATIONS

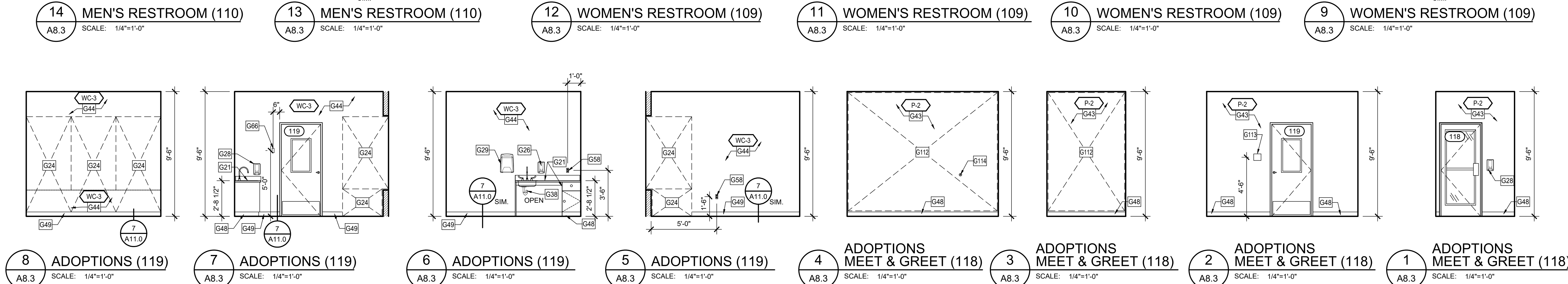
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23 RECEIVING AREA (117)
A8.3 SCALE: 1/4"=1'-0"



21 RECEIVING AREA (117)
A8.3 SCALE: 1/4"=1'-0"



1 MEET & GREET (118)
A8.3 SCALE: 1/4"=1'-0"

CONTRACTOR SHALL VERIFY MILLWORK BLOCKING LOCATIONS & EXTENT WITH NATIONAL ACCOUNT MILLWORK VENDOR

NOTE: ALL MILLWORK IS SUPPLIED AND INSTALLED BY G.C. AS PART OF G.C. SCOPE THRU NATIONAL ACCOUNT MILLWORK VENDOR (SEE SHEET F2.0). ALL BLOCKING/ BACKING IS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

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PROJECT NO. _____

18K 2025 US INSTRUCTION SET

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IF THIS BAR IS
NOT 1" LONG

XXX	ADJUST YOUR PLOTTING
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HECKED BY:	SCALE
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DISCIPLINE:

ARCHITECTURAL

TABLE 1. Continued

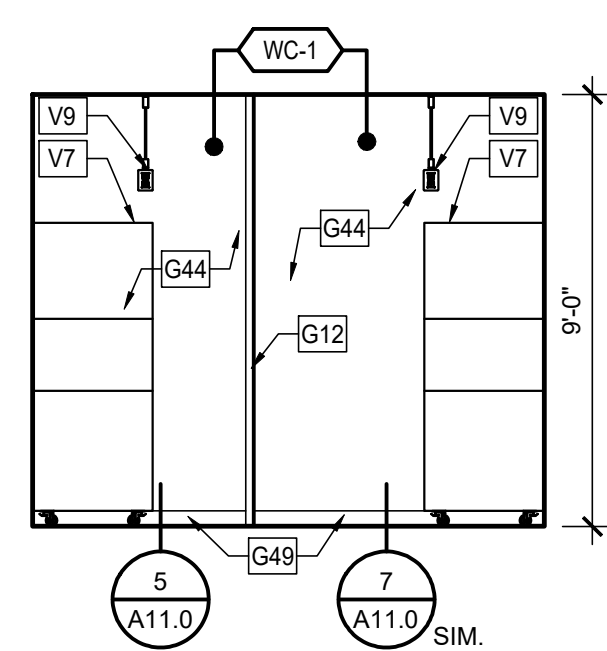
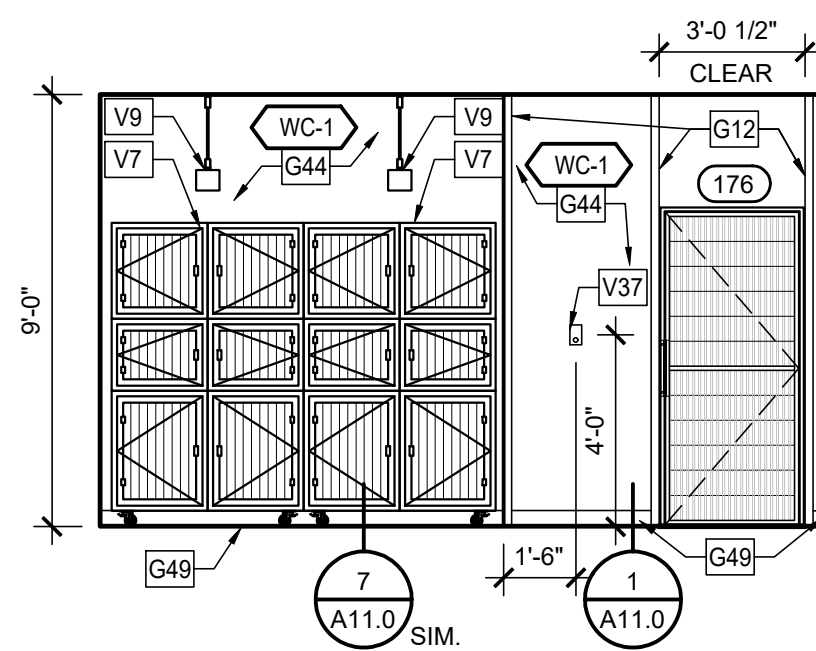
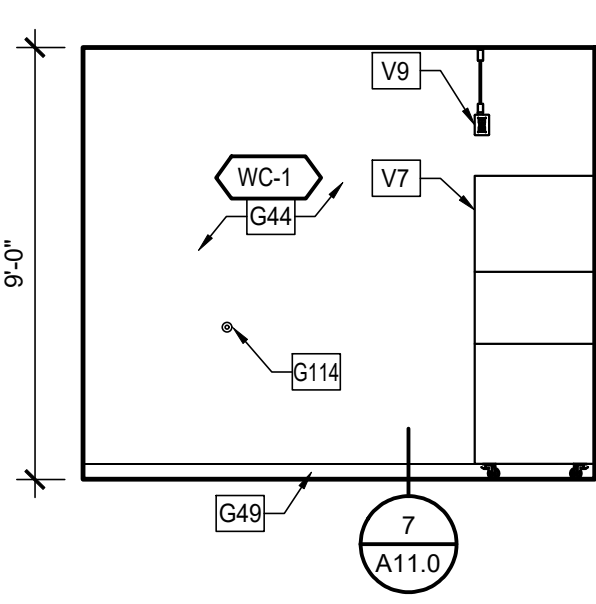
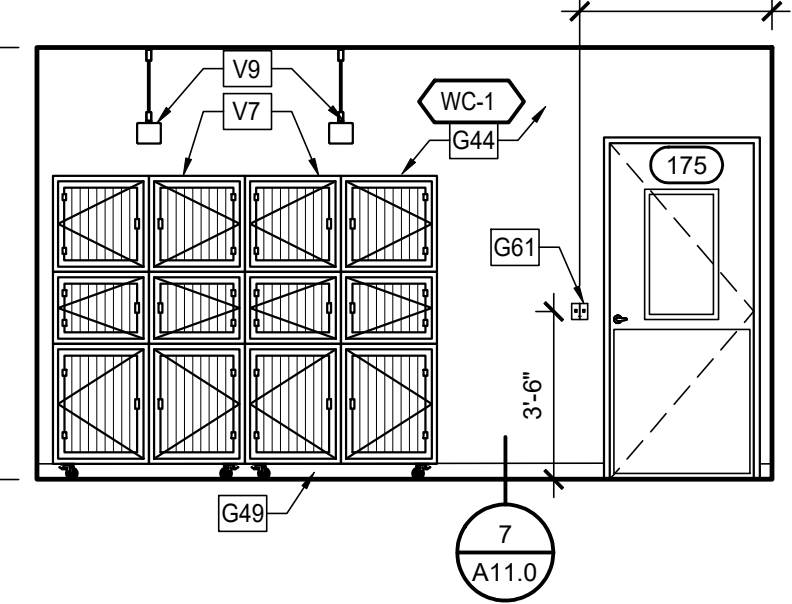
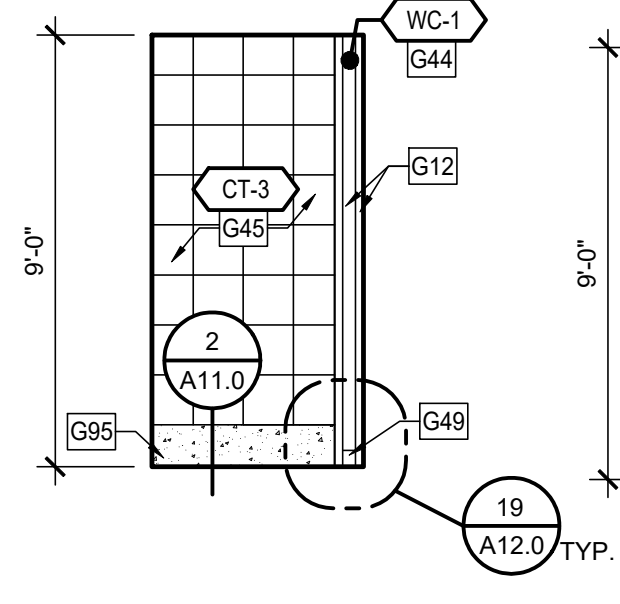
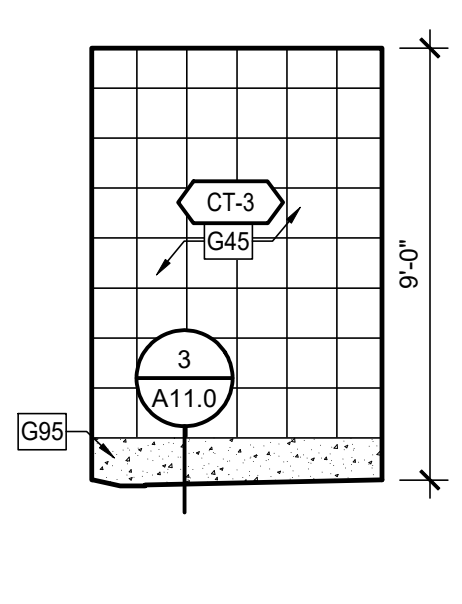
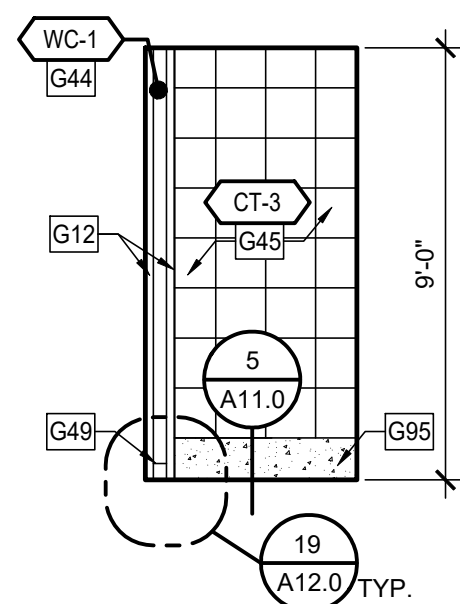
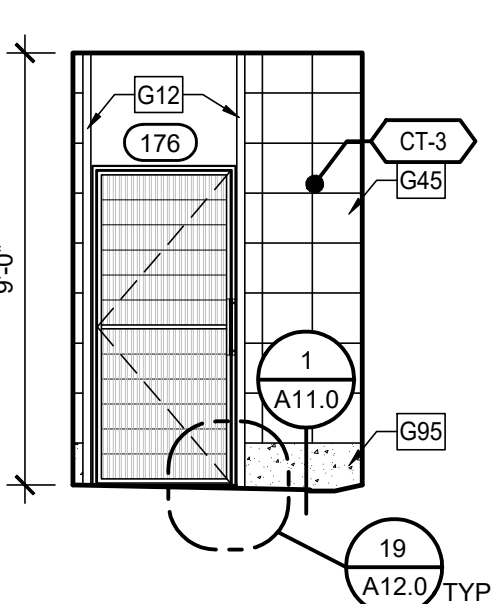
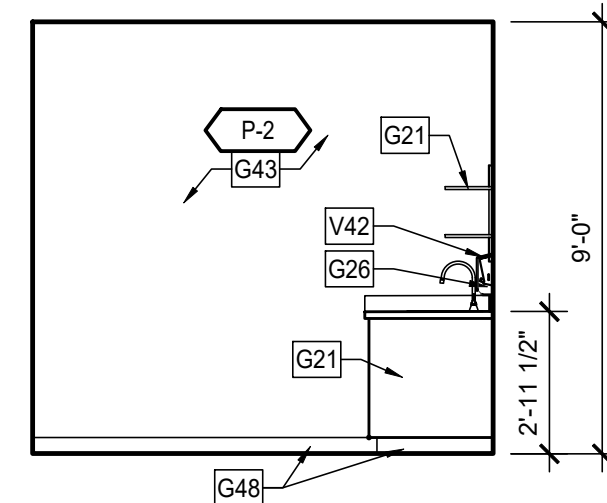
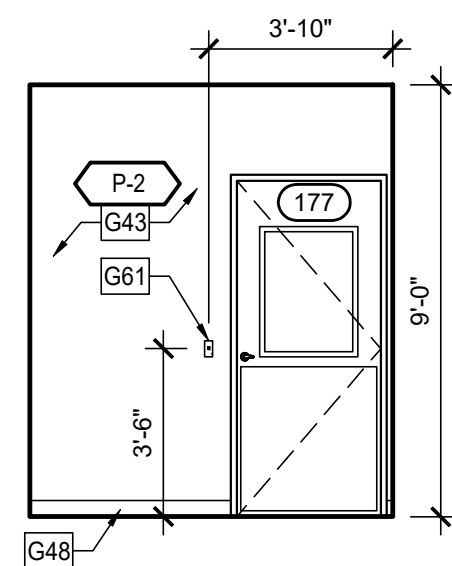
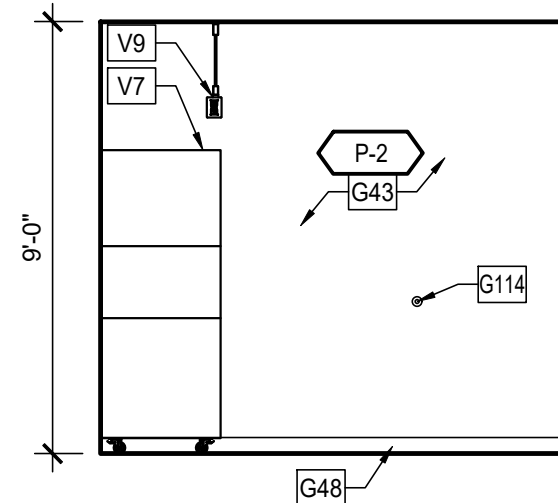
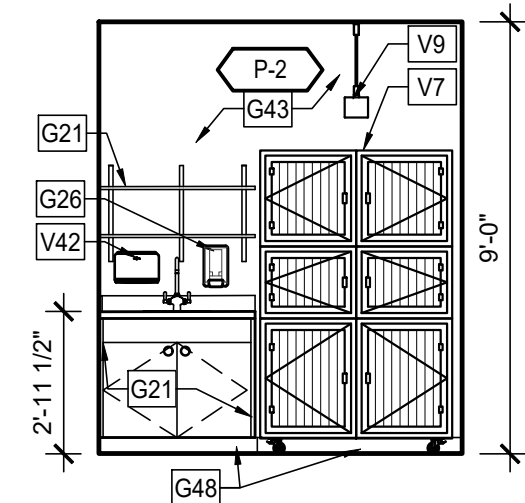
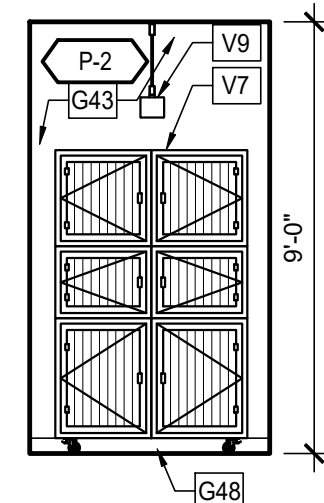
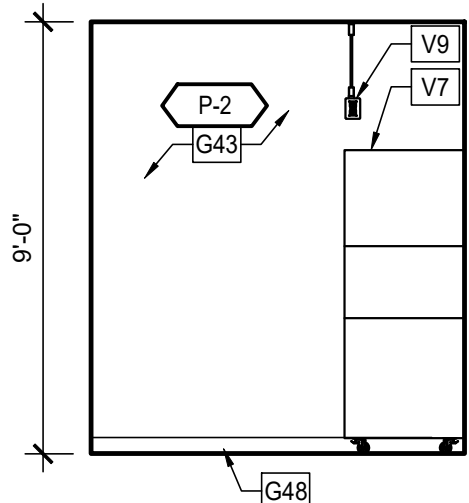
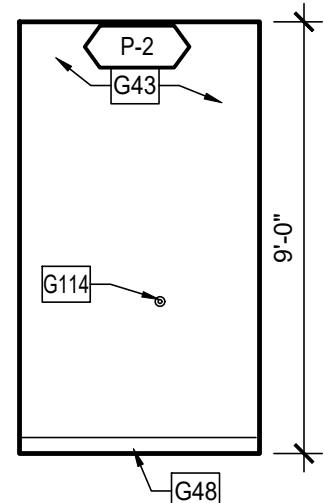
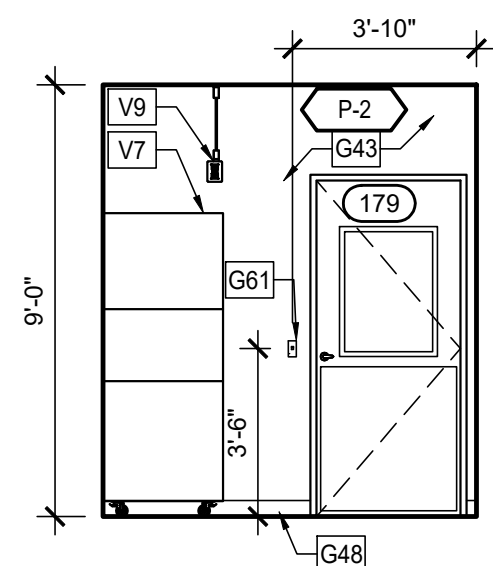
INTERIOR

REFERENCES

ELEVATIONS

500

A0.3



GENERAL NOTES:

1. SEE SHEET AO.1 FOR ARCHITECTURAL KEY NOTES.

FRP GENERAL NOTES:

1. MILLWORK VENDOR HIRED BY G.C. SHALL PROVIDE AND INSTALL FRP SYSTEM. IT IS THE G.C. RESPONSIBILITY TO INCLUDE THEIR PRICE IN HIS BID.

2. THERE WILL BE NO EXCEPTIONS. THE AREAS THAT RECEIVE THE FRP MUST BE PROPERLY PREPARED. IF THE AREAS ARE NOT CLEAN, PROPERLY PREPARED AND PROPERLY LINED CAUSING A DELAY IN INSTALLATION, THE GC WILL BE REQUIRED TO PAY MILLWORK VENDOR FOR EACH DAY LONGER THAT THE INSTALL TAKES AS WELL AS THE COST TO PREPARE THE AREAS CORRECTLY. THE COST FOR DELAY WILL BE PAID DIRECTLY TO MILLWORK VENDOR.

3. GENERAL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING MATERIAL TAKE-OFF FOR ORDERINGS OF THE FRP, TRIM AND BASE (MILLWORK VENDOR TO SUPPLY AND INSTALL).

4. TYPICAL LEAD TIME FOR FRP MATERIALS IS TO BE COORDINATED WITH MILLWORK VENDOR.

TILE INSTALLATION CRITERIA:

1. EXPOSED OR SHARP EDGES ARE NOT PERMITTED. FACTORY FINISHED EDGES (NOT FIELD CUT EDGES) MAY BE EXPOSED ONLY WHERE INDICATED IN THE DRAWINGS.

2. THE LAYOUT OF THE TILE WAINSCOT, SHOWN ON THE INTERIOR ELEVATIONS, IS TO BE LAID OUT SUCH THAT THE FIELD IS EQUAL, CENTERED, FROM END OF THE WALL, TO THE OPPOSITE END UNLESS NOTED OTHERWISE. THERE WILL TYPICALLY BE CUT TILES ON BOTH ENDS AND THERE SHALL NEVER BE LESS THAN 1/2 OF ONE TILE USED IN THE FIELD OF THE WAINSCOT. UNLESS SPECIFIED START POINT OR ROOM CONFIGURATION DICTATES TILE TO BE LESS THAN 1/2 OF ONE TILE.

3. IN ALL ROOMS WITH FLOOR TILE AND MATCHING WALL TILE WAINSCOT AND TILE BASE, THE JOINTS OF THE FLOOR AND WALL TILES ARE TO ALIGN.

MISC. BLOCKING SCHEDULE:

ROOM NAME	ROOM NUMBER	BLOCKING FOR		MATERIAL	
VET SERVICES CHECK-IN	170	WALL BUMPER GUARDS		8" METAL STRAP	
TREATMENT	172	DIGITAL TREATMENT BOARD MOUNT		3/4" X 60" X 36" PLYWOOD	
		SCAVENGER PUMP (ABOVE CEILING)		3/4" X 24" X 24" PLYWOOD	
		SOAP DISPENSER		3/4" PLYWOOD	
		PAPER TOWEL DISPENSER		3/4" PLYWOOD	
X-RAY	174	DOOR STOP		3/4" PLYWOOD	
		X-RAY DISCONNECT		3/4" X 24" PLYWOOD	
KENNEL ROOM	175	DOOR STOP		3/4" PLYWOOD	
		DOOR STOP		3/4" PLYWOOD	
ISOLATION	177	DOOR STOP		3/4" PLYWOOD	
		SOAP DISPENSER		3/4" PLYWOOD	
		PAPER TOWEL DISPENSER		3/4" PLYWOOD	
SUPPORT	178	HOT WATER RECIRCULATION PUMP ASSEMBLY		3/4" X 48" PLYWOOD	
		WH-3 SEISMIC WALL STRAPS		3/4" X 24" PLYWOOD	
		ET-2 SEISMIC WALL STRAPS		3/4" X 24" PLYWOOD	
		WH-3 DISCONNECT		3/4" X 24" PLYWOOD	
		DOOR STOP		3/4" PLYWOOD	
		SOAP DISPENSER		3/4" PLYWOOD	
FELINE WARD	179	PAPER TOWEL DISPENSER		3/4" PLYWOOD	
EXAM #1	181	DOOR STOP		3/4" PLYWOOD	
		HAND SANITIZER		3/4" PLYWOOD	
EXAM #2	182	PAPER TOWEL DISPENSER		3/4" PLYWOOD	
		DOOR STOP		3/4" PLYWOOD	
EXAM #3	183	HAND SANITIZER		3/4" PLYWOOD	
		PAPER TOWEL DISPENSER		3/4" PLYWOOD	
ADA EXAM #4	184	DOOR STOP		3/4" PLYWOOD	
		HAND SANITIZER		3/4" PLYWOOD	
		PAPER TOWEL DISPENSER		3/4" PLYWOOD	

MILLWORK BLOCKING SCHEDULE:

ELEV.	ROOM NAME	ROOM NUMBER	APPROX TOTAL FEET	MATERIAL	HEIGHT A.F.F.
1/A8.4	PHARMACY	171	8'-0"	2X6	4", 70"
3/A8.4	PHARMACY	171	24'-0"	2X6	29", 60", 95 3/4"
1/A8.4	TREATMENT	172	33'-0"	2X6	29", 60", 95 3/4"
3/A8.4	TREATMENT	172	11'-0"	2X6	29"
3/A8.4	TREATMENT	172	37'-0"	2X6	29", 60", 95 3/4"
3/A8.4	TREATMENT	172	4'-0"	2X6	78", 95 3/4"
3/A8.4	TREATMENT	172	5'-0"	3/4" X 48" PLYWD	48"
4/A8.4	TREATMENT	172	8'-0"	2X6	54", 60", 66", 72"
27/A8.4	X-RAY	174	4'-0"	3/4" X 12" PLYWD	6", 55 1/2"
12/A8.5	ISOLATION	177	4'-0"	2X6	29"
12/A8.5	ISOLATION	177	4'-0"	3/4" X 36" PLYWD	48"
30/A8.4	SUPPORT	178	5'-0"	3/4" X 48" PLYWD	48"
32/A8.4	SUPPORT	178	5'-0"	3/4" X 48" PLYWD	48"
19/A8.4	EXAM #1	181	3'-0"	2X6	29"
19/A8.4	EXAM #1 (EXAM TABLE)	181	20'-0"	2X6	15", 21", 27", 32" 41"
19/A8.4	EXAM #1 (EXAM TABLE)	181	4'-0"	3/4" X 96" PLYWD	0"
20/A8.4	EXAM #1 (EXAM BENCH)	181	3'-0"	3/4" X 6" PLYWD	30"
13/A8.4	EXAM #2	182	3'-0"	2X6	29"
13/A8.4	EXAM #2 (EXAM TABLE)	182	20'-0"	2X6	15", 21", 27", 32" 41"
13/A8.4	EXAM #2 (EXAM TABLE)	182	4'-0"	3/4" X 96" PLYWD	0"
16/A8.4	EXAM #2 (EXAM BENCH)	182	3'-0"	3/4" X 6" PLYWD	30"
9/A8.4	EXAM #3	183	3'-0"	2X6	29"
9/A8.4	EXAM #3 (EXAM TABLE)	183	20'-0"	2X6	15", 21", 27", 32" 41"
9/A8.4	EXAM #3 (EXAM TABLE)	183	4'-0"	3/4" X 96" PLYWD	0"
12/A8.4	EXAM #3 (EXAM BENCH)	183	3'-0"	3/4" X 6" PLYWD	30"
5/A8.4	ADA EXAM #4	184	3'-0"	2X6	27"
5/A8.4	ADA EXAM #4 (EXAM TABLE)	184	20'-0"	2X6	13", 18 1/2", 24", 29 1/2", 35"
5/A8.4	ADA EXAM #4 (EXAM TABLE)	184	4'-0"	3/4" X 96" PLYWD	0"
8/A8.4	ADA EXAM #4 (EXAM BENCH)	184	3'-0"	3/4" X 6" PLYWD	30"

CONTRACTOR SHALL VERIFY MILLWORK BLOCKING LOCATIONS & EXTENT WITH NATIONAL ACCOUNT MILLWORK VENDOR

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REFER TO DETAIL 3/A12.1 FOR EXAM TABLE BLOCKING DETAIL

1 WALL SECTION THRU VESTIBULE
A10.0 SCALE: 1/2"=1'-0"



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18K 2025 U.S. VET SERVICES INSTRUCTION SET

FEBRUARY 12, 2025

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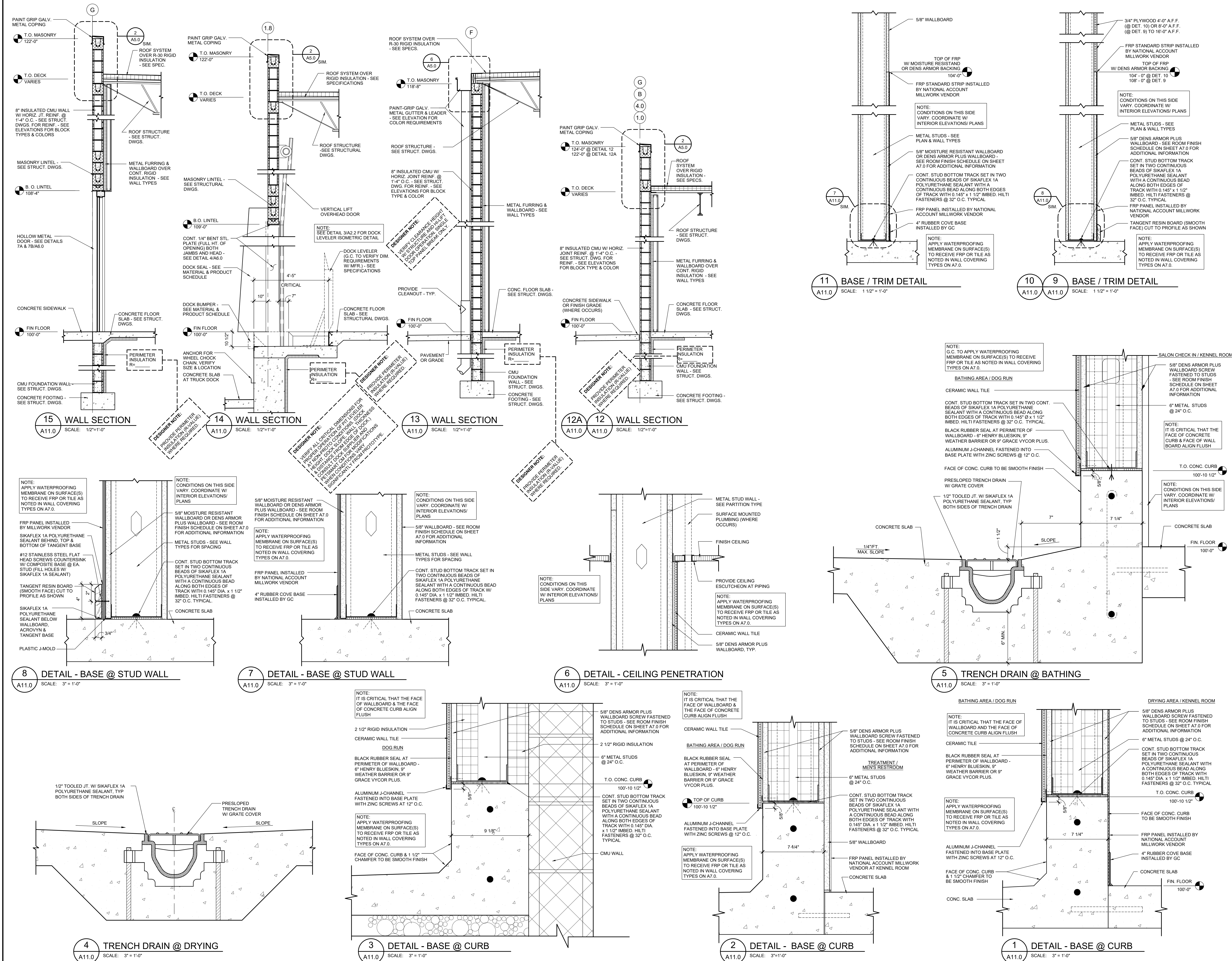
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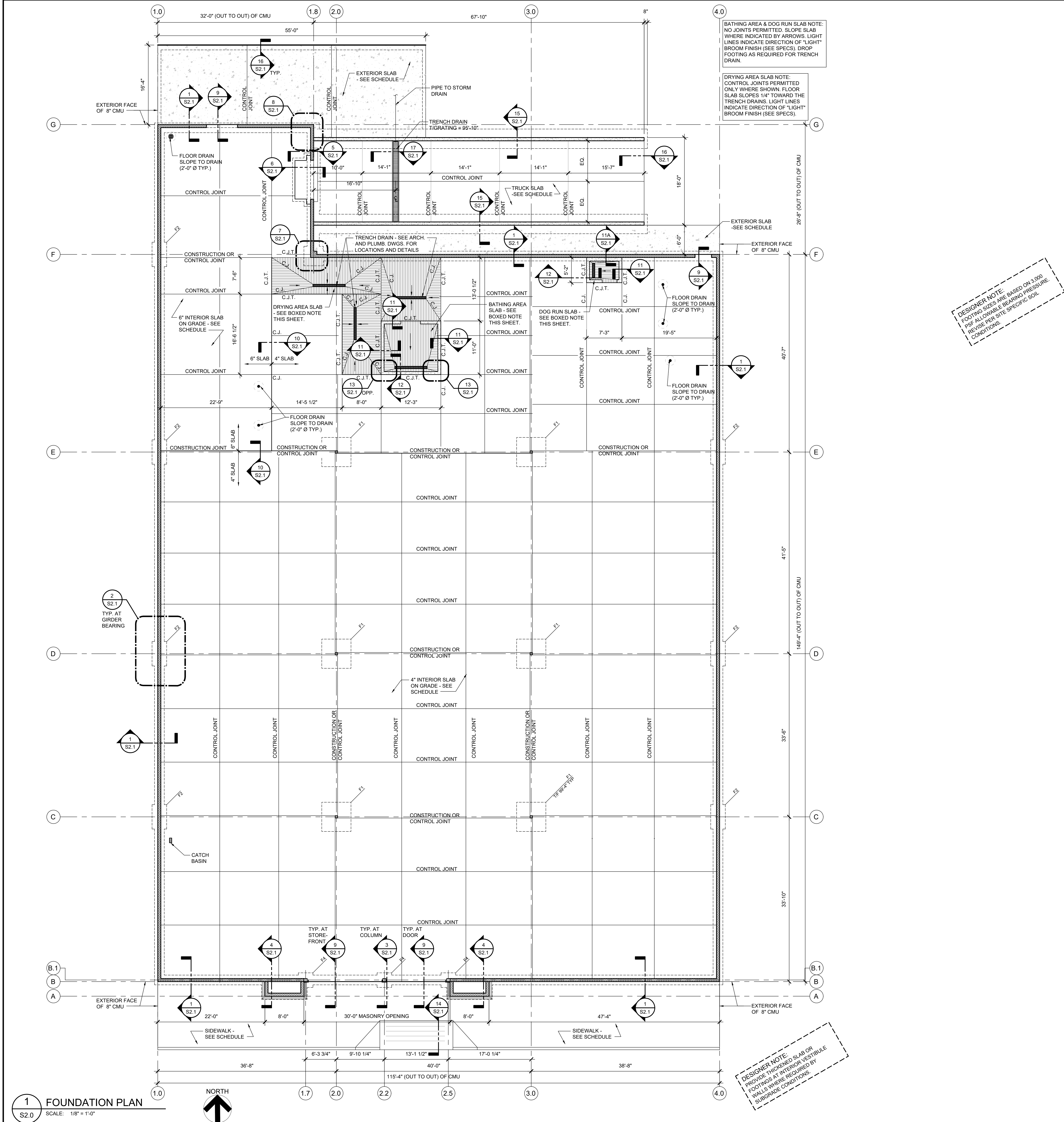
WALL SECTIONS AND DETAILS

SHEET NUMBER:

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CHECKED BY:	XXX	
PAGE #:	OF:	
01	56	
DISCIPLINE: STRUCTURAL		
TITLE: GENERAL NOTES AND DETAILS		
SHEET NUMBER: \$1.0		



- ### FOUNDATION PLAN NOTES
- SEE SHEET S1.0 FOR STRUCTURAL NOTES AND TYPICAL DETAILS.
 - ALL ELEVATIONS BASED ON FINISH FLOOR ELEVATION OF 100'-0" FOR REFERENCE ONLY. SEE CIVIL FOR ACTUAL FINISH FLOOR ELEVATION.
 - TOP OF FOOTING ELEVATIONS AND BOTTOM OF FOOTING ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR TO CONFORM TO THE CRITERIA LISTED BELOW. STEP FOOTINGS WHERE REQUIRED BY SITE CONDITIONS (SEE "TYPICAL STEPPED FOOTING DETAIL").
 - THE TOP OF EXTERIOR FOOTINGS SHALL BE NO HIGHER THAN THE FOLLOWING:
 - A MINIMUM OF 8" BELOW FINISH FLOOR
 - A MINIMUM OF 6" BELOW LOWEST EXTERIOR GRADE (COORDINATE WITH SITE GRADING PLAN)
 - AT DEPTH REQUIRED TO AVOID INTERFERENCE WITH ANY OTHER CONSTRUCTION (PIPES, DRAINS, CONDUITS, ETC.) SEE "PIPE AT FOUNDATION DETAIL"
 - AS REQUIRED TO PLACE THE BOTTOM OF FOOTING BELOW FROST DEPTH (SEE GENERAL NOTES)
 - AS REQUIRED FOR TRENCH DRAIN CLEARANCE (SEE NOTE ON PLAN)
 - LOCATE TOP OF INTERIOR FOOTINGS 8" BELOW FINISH FLOOR UNLESS NOTED OTHERWISE, WHERE PILASTERS ARE USED TO SUPPORT COLUMNS, LOCATE TOP OF PILASTER 8" BELOW FINISH FLOOR UNLESS NOTED OTHERWISE.
 - ALL FOOTINGS SHALL BEAR AT DEPTH NECESSARY TO ACHIEVE THE ALLOWABLE BEARING PRESSURE (AS DETERMINED BY THE GEOTECHNICAL ENGINEER) AND FOR EXTERIOR FOOTINGS, AS REQUIRED TO PLACE THE BOTTOM OF FOOTING BELOW FROST DEPTH (SEE GENERAL NOTES). FOOTING THICKNESS SHOWN IS THE MINIMUM REQUIRED. FOOTINGS MAY BE THICKENED WHERE REQUIRED.
 - WHERE FOOTINGS ARE TO BEAR IN CLOSE PROXIMITY TO EXISTING OR PROPOSED FOOTINGS FOR ADJACENT CONSTRUCTION, COORDINATE WITH ADJACENT CONSTRUCTION SO THAT ALL FOOTINGS BEAR AT THE SAME ELEVATION. ADVISE PROFESSIONAL OF RECORD WHERE BEARING ELEVATION OF ADJACENT CONSTRUCTION DOES NOT PERMIT COMPLIANCE WITH THE SIZES AND DETAILS SHOWN, OR WHEN THE REQUIRED ALLOWABLE BEARING PRESSURE CANNOT BE ACHIEVED (AS DETERMINED BY THE GEOTECHNICAL ENGINEER).

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F1	8'-0" x 6'-0" x 1'-6"	(7) #5 EACH WAY TOP AND BOTTOM
F2	3'-0" x 5'-0" x 1'-0"	(3) #5 LONG WAY AND (5) #5 SHORT WAY BOTTOM
F3	4'-0"x4'-0"x1'-0"	(4) #5 EACH WAY BOTTOM
F4	3'-6"x3'-6"x1'-0"	(4) #5 EACH WAY BOTTOM

SLAB SCHEDULE			
LOCATION	THICKNESS	REINFORCEMENT	SUBBASE
4" INTERIOR SLAB	4"	NONE	10 MIL VAPOR RETARDER (ASTM D-2103) OVER 4" GRANULAR
6" INTERIOR SLAB	6"	NONE	10 MIL VAPOR RETARDER (ASTM D-2103) OVER 4" GRANULAR
BATHING AREA, DRYING AREA AND DOG RUN SLAB	4"	#4 AT 12" OC EACH WAY CENTER OF SLAB	10 MIL VAPOR RETARDER (ASTM D-2103) OVER 4" GRANULAR
TRUCK SLAB	6"	#3 AT 12" OC EACH WAY CENTER OF SLAB	4" GRANULAR
SIDEWALK	4"	NONE	4" GRANULAR
EXTERIOR SLAB	6"	#3 AT 12" OC EACH WAY CENTER OF SLAB	4" GRANULAR

MASONRY REINFORCING SCHEDULE				
LOCATION	NOMINAL BLOCK THICKNESS	VERTICAL REINFORCING	BOND BEAM REINFORCING	REMARKS
GRID LINE B	8"	(1) #5 AT 48" OC	SEE NOTE BELOW	
GRID LINE 1.0	8"	(1) #5 AT 48" OC	SEE NOTE BELOW	SEE 2/S2.1 AT GIRDER BEARING
GRID LINE 4.0	8"	(1) #5 AT 48" OC	SEE NOTE BELOW	SEE 2/S2.1 AT GIRDER BEARING
GRID LINE F	8"	(1) #5 AT 48" OC	SEE NOTE BELOW	SEE 7/S2.1 AT GIRDER BEARING
GRID LINE 1.7	8"	(1) #5 AT 16" OC	SEE NOTE BELOW	SEE 7/S2.1 AT GIRDER BEARING
GRID LINE G	8"	(1) #5 AT 48" OC	SEE NOTE BELOW	

- ### NOTES
- REINFORCING SHOWN IS THE MINIMUM REQUIRED. SEE PLANS, DETAILS, NOTES, AND SPECIFICATIONS FOR ADDITIONAL REINFORCING REQUIRED.
 - LOCATE VERTICAL REINFORCING AT CORNERS, AT EACH SIDE OF OPENINGS, WITHIN 8 INCHES OF EACH SIDE OF MASONRY CONTROL JOINTS AND WITHIN 8 INCHES OF THE END OF WALLS.
 - ALL WALLS SHALL BE REINFORCED WITH HORIZONTAL JOINT REINFORCING AT 16" ON CENTER.
 - WALLS SHALL BE GROUTED AT ALL CELLS CONTAINING HORIZONTAL AND VERTICAL REINFORCING. ALL BOND BEAMS, ALL CELLS BELOW FINISHED FLOOR OR GRADE, ALL CELLS AT PARAPET ABOVE ROOF LINE, ALL CELLS TO RECEIVE ANCHOR BOLTS OR EMBEDDED PLATES, AND ALL OTHER LOCATIONS NOTED ON THE DRAWINGS TO BE GROUTED SOLID.
 - BOND BEAM REINFORCING SHALL BE AS SHOWN IN WALL DETAILS.
 - REFER TO ARCHITECTURAL ELEVATIONS FOR MASONRY CONTROL JOINT LOCATIONS.
 - IF CMU REQUIRES ONLY (1) LAYER OF REINFORCEMENT, CENTER REBAR IN CELL. IF (2) LAYERS ARE REQUIRED, PROVIDE 2" CLEARANCE FROM EACH EXTERIOR FACE OF CMU TO REBAR SURFACE, U.N.O.

MASONRY LAP SPlice SCHEDULE					
NUMBER OF BARS PER CELL	#3 BAR	#4 BAR	#5 BAR	#6 BAR	#7 BAR
1	15"	20"	25"	43"	59"
2	15"	25"	39"	54"	63"

- NOTES:
- VALUES FOR 1 BAR PER CELL ONLY APPLY WHEN REINFORCING IS PLACED IN CENTER OF WALL.
 - VALUES FOR 2 BARS PER CELL APPLY WHEN REINFORCING IS PLACED WITH A MINIMUM OF 1/2" CLEAR BETWEEN REINFORCING AND MASONRY.

NOTE TO CONTRACTOR

CONCRETE SLABS ARE TO BE KEPT CLEAN. THE CONTRACTOR IS RESPONSIBLE FOR A CLEAN CONCRETE FLOOR WHERE EXPOSED. SEE SPECIFICATIONS.

SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR POLISHED CONCRETE SLAB LOCATIONS AND REQUIREMENTS.

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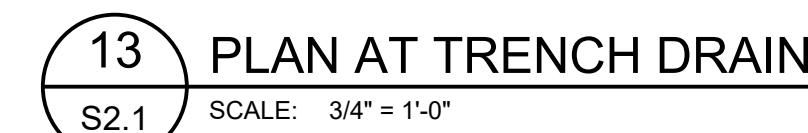
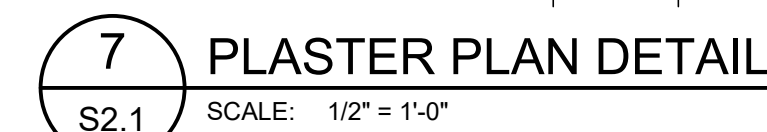
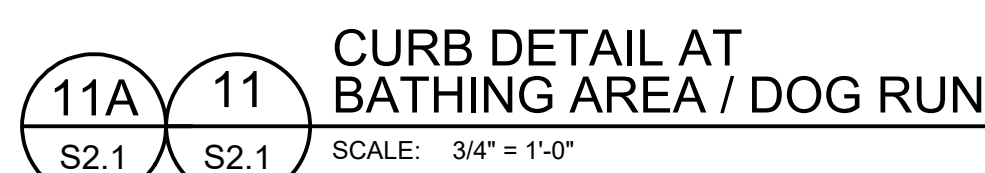
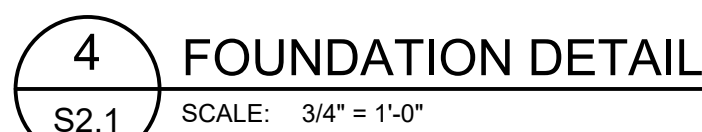
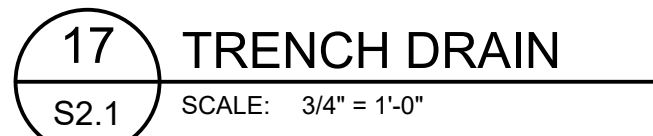
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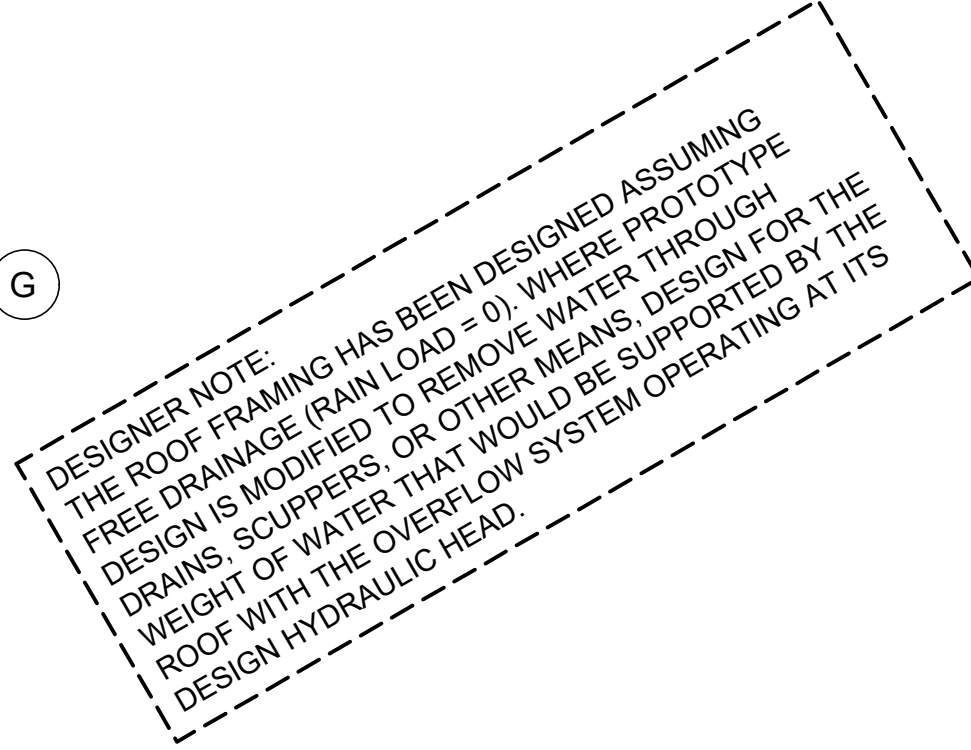
PAGE #:
01 OF 56

DISCIPLINE:
STRUCTURAL

TITLE:
FOUNDATION PLAN

SHEET NUMBER:
S2.0





NOTE

ALL JOISTS, JOIST GIRDERS, AND DECKING ARE TO BE PURCHASED THROUGH THE REQUIRED VENDOR. SEE REQUIRED VENDOR LIST ON F2.0.

4. THIS PROJECT WAS DESIGNED PER THE 2016 INTERNATIONAL MECHANICAL CODE AND ALL APPLICABLE LOCAL AMENDMENTS.

B. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING THE TESTING, ADJUSTMENT AND BALANCING. SEE SHEET F2.0 FOR BALANCING CONTRACTOR'S CONTACT INFORMATION.

C. ONCE POWER IS APPLIED TO THE ROOFTOP HVAC UNITS, AND THE HVAC TECHNICIAN HAS COMPLETED THE RTU STARTUP PROCEDURE, THE ROOFTOP UNITS WILL RUN IN A DEFAULT MODE FROM THE RETURN AIR SENSOR CONTROLLING A 74 DEGREE COOLING SETPOINT AND A 70 DEGREE HEATING SETPOINT WITH AN INTERMITTENT FAN.

D. ALL SUPPLY AND RETURN AIR DUCTWORK SHALL BE ROUND OR RECTANGULAR/SQUARE AS SHOWN AND WHERE SPECIFIED. SUPPLY AND RETURN DUCT DROPS FROM THE SUPPLY AIR DUCTS TO THE RECTANGULAR/SQUARE SUPPLY AIR DUCTS AND RETURN AIR DUCTS TO THE HUNG CEILINGS MAY BE ROUND. ALL ROUND ELBOWS SHALL BE BEEP SWEEP ELBOWS. ALL RECTANGULAR/SQUARE ELBOWS SHALL HAVE TURNING VANS. INSTALL ALL DUCTWORK WITH THE MINIMUM NUMBER OF TURNS AND OFFSETS TO PERMIT MINIMUM STATIC PRESSURE RESISTANCE TO AIRFLOW. DUCTWORK INSTALLED WITH UNNECESSARY TURNS OR OFFSETS WILL BE CORRECTED AT NO COST TO PETSMAST.

E. THE CONTRACTOR SHALL INSTALL THE SUPPLY DIFFUSER PACKAGE ON SALES FLOOR RTUS SO THAT THE TOP OF THE DIFFUSER IS TIGHT TO THE BOTTOM OF THE ROOF STRUCTURE. SEE DETAIL ON SHEET M2.0.

F. DURING BIDDING, THE HVAC SUB CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL OFFICIALS AND DETERMINE IF THE NUMBER AND LOCATION OF SMOKE DETECTORS ARE IN COMPLIANCE WITH SUDAS AND PRACTICES. IF THE NUMBER AND LOCATION OF THE SMOKE DETECTORS ARE NOT IN COMPLIANCE, THE HVAC SUB CONTRACTOR SHALL CONTACT THE TENANT FINISH ARCHITECT / ENGINEER IMMEDIATELY FOR DIRECTION. THE HVAC SUB CONTRACTOR SHALL BE RESPONSIBLE TO INCLUDE IN THE BASE BID WORK ORDER TO REMOVE, RELOCATE, AND REWIRE THE SMOKE DETECTORS IN THE LOCATIONS AND ARRANGEMENTS ACCEPTABLE TO AND AS REQUIRED BY LOCAL CODES AND OFFICIALS.

G. THE HVAC CONTRACTOR SHALL ENSURE THAT NO SENSOR OR THERMOSTAT IS INSTALLED DIRECTLY IN THE PATH OF ANY SUPPLY AIR GRILLE OR DIFFUSER.

H. SUPPLY AND RETURN DROPS FROM THE RTU SHALL BE INSULATED WITH INTERNAL DUCT LINER PER THE SPECIFICATIONS. HORIZONTAL RECTANGULAR/SQUARE SUPPLY AND RETURN DUCTWORK EXPOSED TO THE CONDITIONED AREA SHALL BE INSULATED WITH INTERNAL DUCT LINER PER THE SPECIFICATIONS. ALL SUPPLY AND RETURN AIR DUCTWORK NOT EXPOSED TO THE CONDITIONED AREA (CONCEALED ABOVE HUNG CEILINGS) SHALL BE INSULATED WITH DUCT WRAP PER THE SPECIFICATIONS.

I. ALL ROOF TOP UNITS ARE SUPPLIED WITH RETURN AIR DUCT SMOKE DETECTORS. PROVIDE REMOTE TEST STATIONS AND COORDINATE INSTALLATION AND WIRING CONNECTIONS WITH THE ELECTRICAL CONTRACTOR AND THE FIRE ALARM CONTRACTOR AS REQUIRED.

J. CONSTRUCTION TRADES MUST USE THE ARCHITECTURAL PLANS FOR WORK INSTALLATION. THIS INCLUDES ALL APPLICABLE DETAILS, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.

K. REFER TO THE PLUMBING DRAWINGS FOR ALL CONDENSATE DRAIN AND GAS PIPING REQUIREMENTS.

MARK	MODEL #	NOMINAL TONS	FAN DATA				COOLING DATA				HEATING DATA		ELECTRICAL DATA				EER / EER / SEER	HUMIDITY	WEIGHT (LBS.)	AREA SERVED
			S.A. CFM	MIN. O.A. CFM	TOTAL S.P.	DRIVE KIT	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	ENTERING DB / WB	AMBIENT	GAS HTG. INPUT (MBH)	GAS HTG. OUTPUT (MBH)	VOLTAGE / PHASE / HZ	MCA	MOCP					
RTU-1	LG072H5EQIG	6	2300	575	0.76	1.5	MSAV	69.1 / 72.6	50.1 / 53.5	80.0 / 67.0	95.0	81.0 / 108.0	66.0 / 87.0	460 / 3 / 60	15.0	20	12.2 / 17.0 / -	NO	900	OFFICES / VESTIBULE
RTU-2	LG040H5EB1G	4	1600	400	0.70	1.0	ECM	47.7 / 50.4	34.5 / 37.2	80.0 / 67.0	95.0	53.0 / 65.0	43.0 / 52.0	460 / 3 / 60	13.0	15	12.8 / - / 17.0	YES	857	SALON
RTU-3	LG060H5EB1G	5	1850	460	0.79	1.5	MSAV	59.7 / 63.8	45.4 / 49.5	80.0 / 67.0	95.0	53.0 / 65.0	43.0 / 52.0	460 / 3 / 60	14.0	15	12.7 / - / 17.0	YES	858	BATHING / DRYING / LAUNDRY
RTU-4	LG120H5EM1G	10	4200	1050	1.06	3.75	ECM	114.1 / 121.9	81.2 / 89.0	80.0 / 67.0	95.0	117.0 / 180.0	95.0 / 146.0	460 / 3 / 60	25.0	30	12.1 / 15.5 / -	YES	1406	SALES AREA FRONT
RTU-5	LG120H5EQ1G	5	2150	535	0.68	1.0	ECM	59.7 / 63.8	45.4 / 49.5	80.0 / 67.0	95.0	81.0 / 108.0	66.0 / 87.0	460 / 3 / 60	14.0	15	12.7 / - / 17.0	NO	831	ADDITIONS / HOLDING
RTU-6	LG120H5EM1G	10	4200	1050	1.01	3.75	ECM	114.1 / 121.9	81.2 / 89.0	80.0 / 67.0	95.0	117.0 / 180.0	95.0 / 146.0	460 / 3 / 60	25.0	30	12.1 / 15.5 / -	NO	1386	SALES AREA LEFT REAR
RTU-7	LG120H5EM1G	10	4200	1050	1.01	3.75	ECM	114.1 / 121.9	81.2 / 89.0	80.0 / 67.0	95.0	117.0 / 180.0	95.0 / 146.0	460 / 3 / 60	25.0	30	12.1 / 15.5 / -	NO	1386	SALES AREA RIGHT REAR
RTU-8	LG072H5EQ1G	6	2400	600	0.73	1.5	MSAV	69.2 / 73.2	50.9 / 54.9	80.0 / 67.0	95.0	81.0 / 108.0	66.0 / 87.0	460 / 3 / 60	15.0	20	12.2 / 17.0 / -	NO	850	RECEIVING
RTU-9	LG120H5EQ1G	6	2375	590	0.73	1.5	MSAV	69.2 / 73.2	50.9 / 54.9	80.0 / 67.0	95.0	81.0 / 108.0	66.0 / 87.0	460 / 3 / 60	15.0	20	12.2 / 17.0 / -	NO	850	VET
TOTAL			6,310		-5,350 EXHAUST AIR = +950															

EQUIPMENT PROVIDED BY LENNOX NATIONAL ACCOUNTS, NO SUBSTITUTES ALLOWED. CONTACT LENNOX NATIONAL ACCOUNTS FOR PRICING OR SEE SHEET F2.0 FOR ADDITIONAL INFORMATION. JANE QUINTER PHONE: 1-972-487-6869 OR CONTACT ADRIAN ROSA PHONE: 1-949-435-7847, TECHNICAL SUPPORT: 1-800-367-6285, APPLICATION SUPPORT: 1-888-595-4962.

ALL RTU'S SHALL BE FURNISHED WITH FACTORY INSTALLED RETURN AIR SMOKE DETECTOR.
ALL RTU'S SHALL BE FURNISHED WITH FIELD INSTALLABLE AIR QUANTITIES AS SCHEDULED ABOVE.
LENNOX WILL FURNISH CURBS PLUS PLDP 2010-1012'S DIFFUSER ASSEMBLY FOR RTU-4, 6, AND 7 AND CURBS PLUS PLDP 1806-56 DIFFUSER ASSEMBLY FOR RTU-5. SEE DETAIL 1M2.0 FOR DETAIL.
ALL RTU'S SHALL BE FURNISHED WITH FIELD RECEIVED AUTO-TESTING DEVICE.
ALL RTU'S TO BE FURNISHED WITH FIELD INSTALLED 120V DISCONNECT SWITCH.
ALL RTU'S TO BE FURNISHED WITH FIELD INSTALLED 120V GFCI CONVENIENCE OUTLET, FIELD WIRED.
ALL RTU'S TO BE FURNISHED WITH FACTORY INSTALLED VARIABLE FREQUENCY DRIVE FOR INSET BLOWER CONTROL.
ALL RTU'S TO BE FURNISHED WITH FACTORY INSTALLED DRAIN PAN OVERFLOW SWITCH.
ALL RTU'S TO BE FURNISHED WITH FACTORY FURNISHED AND FIELD INSTALLED HALL GUARDS.
COORDINATE RTU PLACEMENT WITH STRUCTURAL FRAMING.
ALL RTU'S TO BE INSTALLED WITH FULL SIZE SUPPLY AND RETURN DROPS.
ALL RTU'S TO BE INSTALLED WITH HYBRID 1" ROCE CURBS.
ALL RTU'S WITH HUMIDITY/RTU SHALL BE SUPPLIED WITH IDEAL HUMIDITY/TEMPERATURE SENSOR LENNOX PART NUMBER (21W06).
ALL RTU'S WITHOUT HUMIDITY/TEMPERATURE SENSOR LENNOX PART NUMBER (98L00).
ALL RTU'S SHALL BE FURNISHED WITH FACTORY INSTALLED GROUND ECONOMICIZER AND BAROMETRIC RELIEF.
ALL RTU'S TO BE PROVIDED WITH LENNOX COASTAL COATING ON EVAPORATOR AND CONDENSING COILS IN AREAS WITH 25% OR MORE OF OCEAN OR BRACKISH WATER (FRESH SALT WATER MIX).

DESIGNER'S RESPONSIBILITY
NOT A PART OF CONTRACT
NOT TO BE USED FOR CONSTRUCTION

THE SALON (RTU-2), BATHING/DRYING (RTU-3) AND FRONT SALES AREA (RTU-4) ROOFTOP UNITS ARE PROVIDED WITH LENNOX HUMIDITROL DEHUMIDIFICATION SYSTEM. USING THE PRODIGY CONTROL SYSTEM, SET THE RELATIVE HUMIDITY AT 55% AND ENABLE THE HUMIDITROL TO RUN DURING OCCUPIED AND UNOCCUPIED HOURS. CONTACT LENNOX NATIONAL ACCOUNT TECHNICAL SUPPORT AT 1-800-367-6285 FOR ASSISTANCE WITH PROPER SETUP.

TRADE MUST USE ARCHITECTURAL PLANS FOR WORK INSTALLATION. THIS INCLUDES ALL APPLICABLE DETAILS, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.

MARK	MANUFACTURER	MODEL #	FAN DATA				VOLTAGE / PHASE	AREA SERVED	OPERATION
			CFM	EXT. S.P.	H.P. or KW	DRIVE PKG			
EF-1	CAPTIVEAIRE	DR12HFA	500	0.50"	0.18	DIRECT	120 / 1	ASSOCIATES / COMPTONERY	CONTROLLED BY EMS
EF-2	CAPTIVEAIRE	DR50HFA	1500	0.50"	0.50	DIRECT	120 / 1	BATHING / DRYING	CONTROLLED BY EMS
EF-3	CAPTIVEAIRE	DR50HFA	1300	0.50"	0.25	DIRECT	120 / 1	FISH EGG / ADOPTIONS	CONTROLLED BY EMS
EF-4	CAPTIVEAIRE	DR12HFA	300	0.50"	0.18	DIRECT	120 / 1	HOLDINGS	CONTROLLED BY EMS
EF-5	CAPTIVEAIRE	DR50HFA	850	0.50"	0.25	DIRECT	120 / 1	RESTROOMS	CONTROLLED BY EMS
EF-6	CAPTIVEAIRE	DR50HFA	900	0.50"	0.18	DIRECT	120 / 1	SUPPORT / TREATMENT	CONTROLLED BY EMS
EF-6	CAPTIVEAIRE	DR50HFA	900	0.50"	0.18	DIRECT	120 / 1	KENNEL / FELINE WARD / SURGERY	CONTROLLED BY EMS

• ALL CAPTIVEAIRE FANS SHALL BE PART OF THE LENNOX EQUIPMENT PACKAGE.
• OPTIONS: GRAVITY BACKDRAFT DAMPER (SLEEVE TYPE), BIRD SCREEN, CURB, AND UNIT MOUNTED DISCONNECT SWITCH.
• ROOF MOUNTED FAN PLACEMENT MUST BE AT LEAST 10'-0" FROM RTU OUTSIDE AIR HOOD, 5'-0" MINIMUM FROM PARAPET WALL TALLER THAN 42" ABOVE ROOF, AND 10'-0" MINIMUM FROM ROOF EDGE OR PARAPET LESS THAN 42" ABOVE ROOF.

MARK	MANUFACTURER	MODEL #	FACE	STYLE	BORDER TYPE	FINISH	DESCRIPTION
E-1	KRUEGER	6690	24x24	PERFORATED	(F23) LAY-IN	WHITE ENAMEL	STEEL, ROUND NECK. SEE PLAN FOR NECK SIZE.
E-2	KRUEGER	56690	24x24	PERFORATED	(F23) LAY-IN	WHITE ENAMEL	ALUMINUM, ROUND NECK. SEE PLAN FOR NECK SIZE.
E-3	KRUEGER	880	12x6	LOUVERED	(F22) SURFACE MOUNT	FIELD PAINT DOVER GRAY	DUCT MOUNTED, DOUBLE DEFLECTION, OPPOSED BLADE VOLUME DAMPER.
E-4	KRUEGER	S580HZ	24x24	LOUVERED	(F23) LAY-IN	WHITE ENAMEL	ALUMINUM, TOP HINGED FACE WITH KNURLED KNOBS. NO SCREW HOLES. PROVIDE 1" FILTER FRAME. SEE PLAN FOR NECK SIZE.
R-1	KRUEGER	S80P	48x24	PERFORATED	(F23) LAY-IN	WHITE ENAMEL	STEEL, TOP HINGE FACE WITH KNURLED KNOBS. PROVIDE 1" FILTER FRAME. SEE PLAN FOR NECK SIZE.
R-2	KRUEGER	6690	24x24	PERFORATED	(F23) LAY-IN	WHITE ENAMEL	STEEL, ROUND NECK. SEE PLAN FOR NECK SIZE.
R-3	KRUEGER	S80H	SEE PLAN	LOUVERED	(F22) SURFACE MOUNT	WHITE ENAMEL	STEEL, RECTANGULAR NECK. 35 DEG. DEFLECTION.
S-1	KRUEGER	SH	24x24	LOUVERED	(F23) LAY-IN	WHITE ENAMEL	STEEL, ROUND NECK. SEE PLAN FOR NECK SIZE.
S-3	CURBS PLUS	SALES AREA: DLPD-2010-10/12.5 RECEIVING DLPD 1806-5/6	30x30 28x28	DRUM LOUVER	DUCT MOUNTED	CUSTOM COLOR TO MATCH COLOR P-1 (SEE A7.0)	4-WAY DRUM DIFFUSER SHALL BE PART OF THE LENOX EQUIPMENT PACKAGE.
S-4	KRUEGER	880HOB	SEE PLAN	LOUVERED	(F22) SURFACE MOUNT	FIELD PAINT DOVER GRAY	DUCT MOUNTED, DOUBLE DEFLECTION, OPPOSED BLADE VOLUME DAMPER
S-5	KRUEGER	PTBS	48x6	LINEAR SLOT	(F23) LAY-IN	WHITE ENAMEL	(3) 1" SLOTS. ALUMINUM BLADES. INSULATED PLENUM BOX. CENTER NOTCH (CN) FOR T-BAR
S-6	KRUEGER	5SH	24x24	LOUVERED	(F23) LAY-IN	WHITE ENAMEL	PROVIDE ALUMINUM ACCESSORIES FOR WET AREAS (BATHING AREA, DRYING AREA).
TR-1	KRUEGER	6490	24x24	PERFORATED	(F23) LAY-IN	WHITE ENAMEL	STEEL, SQUARE NECK.
TR-2	KRUEGER	S80H	SEE PLAN	LOUVERED	(F22) SURFACE MOUNT	WHITE ENAMEL	STEEL, SQUARE NECK. 35 DEG. DEFLECTION.

AIR DEVICES SHALL BE KRUEGER UNLESS OTHERWISE SPECIFIED IN SCHEDULE. NO SUBSTITUTIONS.

- ALL AIR DISTRIBUTION DEVICES LOCATED IN BATHING/DRYING AREA SHALL BE ALUMINUM CONSTRUCTION.
- ROUND CONNECTION TO MATCH ROUND DUCT DIMENSION AS SHOWN ON FLOOR PLAN. REFER TO 2M2.0 MANUFACTURER SUPPLIED TRANSITIONS ARE NOT ACCEPTABLE.
- FOR R-1 GRILLE THE FABRICATOR MUST PROVIDE TWO (2) 30"X18" PLATED FILTERS AND FOUR (4) SETS OF KNURLED KNOBS TAPED TO THE INSIDE OF THE GRILLE. PROVIDE TWO (2) ADDITIONAL FILTERS FOR ATTIC STOCK.
- PROVIDE R-4 RIGID INSULATION BLANKET, WITH VAPOR BARRIER, ON THE BACK OF ALL CEILING MOUNTED AIR DEVICES.
- FOR R-1 GRILLE THE FABRICATOR MUST PROVIDE TWO (2) 30"X18" PLATED FILTERS AND FOUR (4) SETS OF KNURLED KNOBS TAPED TO THE INSIDE OF THE GRILLE. PROVIDE ONE (1) ADDITIONAL FILTER PER GRILLE FOR ATTIC STOCK AND PROVIDE ONE (1) ADDITIONAL SET OF KNURLED KNOBS TAPED TO THE INSIDE OF THE GRILLE.

INTERNAL LOADS:
GENERAL HEAT GAIN FROM PEOPLE - 250 BTUH SENSIBLE, 200 BTUH LATENT.
GENERAL HEAT GAIN FROM ANIMALS - 104.8 / 56.4 SM. DOGS 230.7 / 124.2 L.G. DOGS
PEOPLE DENSITY - 1 PERSON PER 100 SQUARE FEET EXCEPT AS LISTED BELOW.
LIGHTS - COUNT PER ELECTRICAL LIGHTING PLAN. VALUES AS PER LIGHT SCHEDULE.
EQUIPMENT - SEE LIST BELOW FOR VALUES USED PER ZONE.
VENTILATION - VALUES LISTED BELOW BASED ON 2018 IMC.

<u>ZONE</u>	<u>PEOPLE</u>	<u>EQUIPMENT</u>	<u>VENTILATION (OUTDOOR AIR)</u>	<u>EXHAUST</u>
<u>SALES</u>	-	3500 WATTS	7.5 / 0.12 PEOPLE / AREA CFM	-
<u>TOILETS</u>	-	-	50 CFM / WATER CLOSET/JURNAL	-
<u>ASSIST. RESOURCE</u>	-	-	5.0 / 0.08 PEOPLE / AREA CFM	-
<u>BATHING</u>	4	2500 WATTS	7.5 / 0.18 PEOPLE / AREA CFM	0.9 CFM/SF
<u>DRYING</u>	4	400 WATTS	7.5 / 0.18 PEOPLE / AREA CFM	0.9 CFM/SF
<u>SALON</u>	8	1250 WATTS	7.5 / 0.18 PEOPLE / AREA CFM	0.9 CFM/SF
<u>OFFICE</u>	1	1200 WATTS	5.0 / 0.06 PEOPLE / AREA CFM	-
<u>VEHICLE</u>	-	-	0.06 CFM/AREA CFM	-
<u>COOLING/TERCOPY</u>	1	2000 WATTS	20 CFM / SQ. FT.	350 CFM
<u>VAULT</u>	1	-	5.0 / 0.06 PEOPLE / AREA CFM	-
<u>HALL</u>	-	-	0.06 CFM / SQ. FT.	-
<u>RECEIVING (STORAGE)</u>	3	6750 WATTS	0.12 CFM / SQ. FT.	-
<u>HOLDING</u>	-	-	7.5 / 0.18 PEOPLE / AREA CFM	0.9 CFM/SF
<u>ISOLATION</u>	-	-	7.5 / 0.18 PEOPLE / AREA CFM	0.9 CFM/SF
<u>FISH EQUIPMENT</u>	-	2500 WATTS	0.12 CFM / SQ. FT.	-
<u>ADOPTIONS</u>	2	300 WATTS	7.5 / 0.18 PEOPLE / AREA CFM	0.9 CFM/SF
<u>SURGERY</u>	6	300 WATTS	15 CFM / PERSON	-
<u>XRAY</u>	3	300 WATTS	15 CFM / PERSON	-
<u>TREATMENT</u>	6	200 WATTS	15 CFM / PERSON	-
<u>PHARMACY</u>	1	500 WATTS	15 CFM / PERSON	-
<u>EXAM ROOMS</u>	1	100 WATTS	15 CFM / PERSON	-
<u>FELINE</u>	-	-	7.5 / 0.18 PEOPLE / AREA CFM	0.9 CFM/SF

ANIMALS		LOAD CRITERIA	
	DOGS	LOAD (SENSIBLE / LATENT) PER DOG	
BATHING / DRYING	32	16 SMALL (104.8 / 56.4)	16 LARGE (230.7 / 124.2)
SALON	8	2 SMALL (104.8 / 56.4)	6 LARGE (230.7 / 124.2)
CAT ADOPTION	8	5 (104.8 / 56.4)	

THESE VALUES ARE SUBJECT TO REVIEW AND REVISION, AND SHOULD BE MODIFIED AS REQUIRED FOR EACH PROJECT. IT IS THE RESPONSIBILITY OF THE DESIGNER TO CALCULATE THE HEAT GAINS/LOSSES FOR EACH PROJECT AND REVIEW EQUIPMENT SIZES. PET AREAS ARE REQUIRED BY CODE TO VENTILATE 1 CFM/SF.

RTU #	STORE AREA	COOLING SETPOINTS		HEATING SETPOINTS	
		7 AM TO 9 PM	9 PM TO 7 AM	7 AM TO 9 PM	9 PM TO 7 AM
1	OFFICES / VESTIBULE	73°F	78°F	68°F	64°F
2	SALON	73°F	75°F	68°F	64°F
3	BATHING / DRYING / RESTROOMS	73°F	75°F	68°F	64°F
4, 6 & 7	SALES AREA	73°F	78°F	69°F	64°F
5	ADOPTIONS, FISH, HOLDING	73°F	75°F	68°F	64°F
8	STOCK ROOM	73°F	78°F	68°F	64°F
9	VET	75°F	75°F	71°F	71°F

Humiditrol

Lennox Industries Humiditrol Map

Zone #6

Zone #5

Zone #4

Zone #3

Zone #2

Zone #1

ASHRAE Wet Bulb

Humidity Ratio

Zone #1 - 24°F or higher wet bulb - Humidity required for 50% RH and higher

Zone #2 - 24°F to 22°F wet bulb - Humidity required for 55% RH and higher

Zone #3 - 22°F to 20°F wet bulb - Humidity required for 60% RH and higher

Zone #4 - 20°F to 18°F wet bulb - Humidity required for 65% RH and higher

Zone #5 - 18°F to 16°F wet bulb - Humidity required for 70% RH and higher

Zone #6 - 16°F or lower wet bulb - Humidity required for 75% RH and higher

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PetSmart Hail Guard Map

Legend:

- Hail Guards Needed (CO = Denver, WA and East CO)
- No Hail Guards Needed

RK	MANUFACTURER	MODEL #	CFM		WATTS / VOLTAGE	AREA SERVED	OPERATION
			MIN.	MAX.			
D-1	APRILAIRE	6608 (8" DIA. DAMPER)	60	125	6W @ 24 VAC	HOLDING ROOM	THERMOSTAT CONTROLLED
D-2	APRILAIRE	6608 (8" DIA. DAMPER)	60	125	6W @ 24 VAC	HOLDING ROOM	THERMOSTAT CONTROLLED

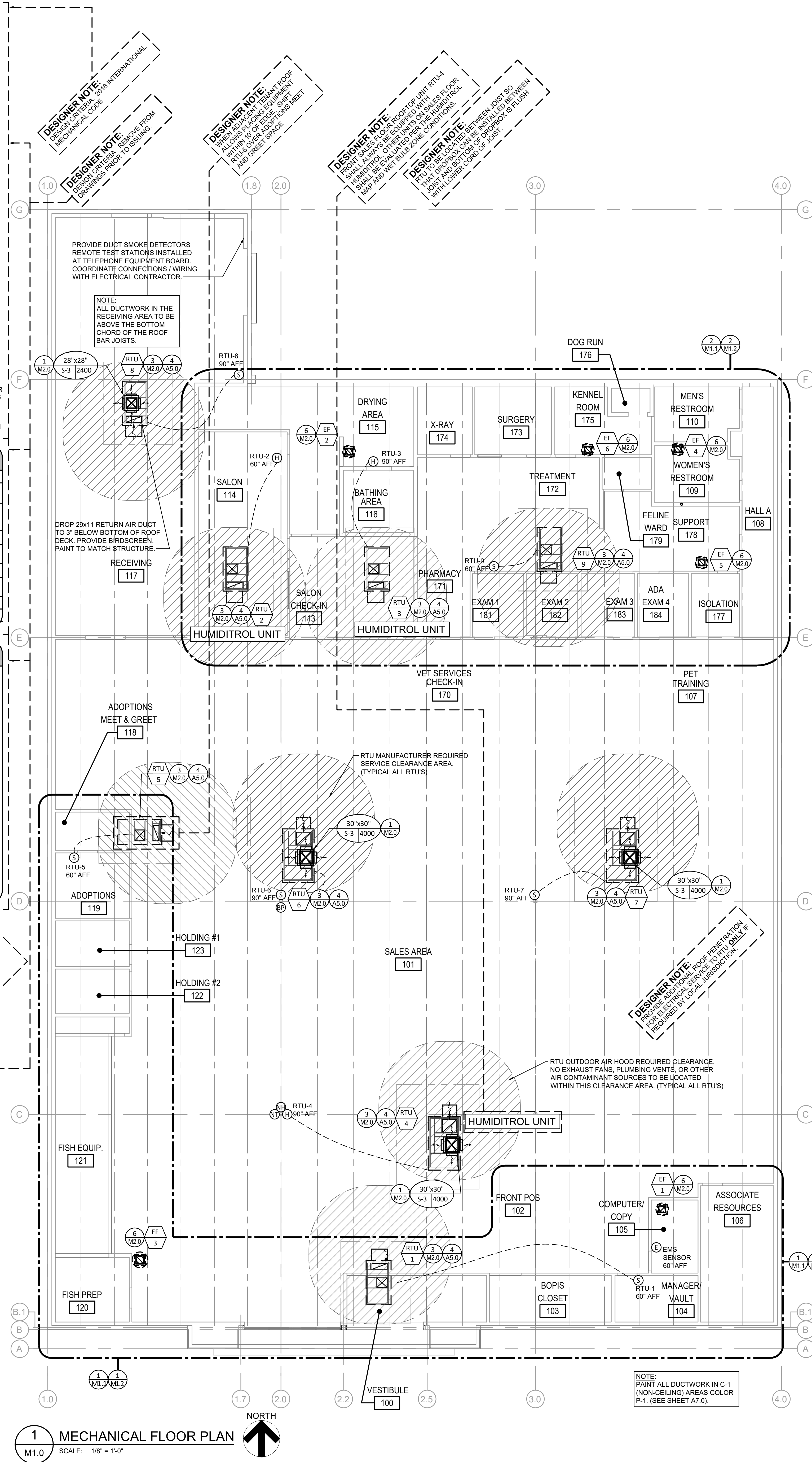
ALL MOTORIZED DAMPERS SHALL BE PART OF THE LENNOX EQUIPMENT PACKAGE.

DAMPER SHALL BE DIRECTLY CONNECTED TO THE DIFFUSER NECK.

FULLY INSULATE DIFFUSER AND DAMPER. SEE DETAIL ON SHEET M2.0.

SEE WIRING DIAGRAM ON SHEET M2.0 FOR ADDITIONAL INFORMATION ABOUT CONTROLLING DAMPER AND HEATER.

MECHANICAL CONTRACTOR SHALL PROVIDE A 24VAC TRANSFORMER, DUCT THERMOSTAT WITH TEMPERATURE PROBE AND TWO (2) CONTROL RELAYS FOR EACH DAMPER.



FEBRUARY 12, 2025

ARCHITECT

CONSULTA

8F4

CITY SEAL

DISCLAIMER:
THIS DRAWING AND DESIGN IN COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY PETSMART. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.
THIS DRAWING IS NOT TO BE SCALED.

ISSUED 50

[illegible]

PROJECT NO: 18K 2025 US INSTRUCTION SET

ORIGINAL SCALE:
AS INDICATED

DRAYN, ITY

CHECKED

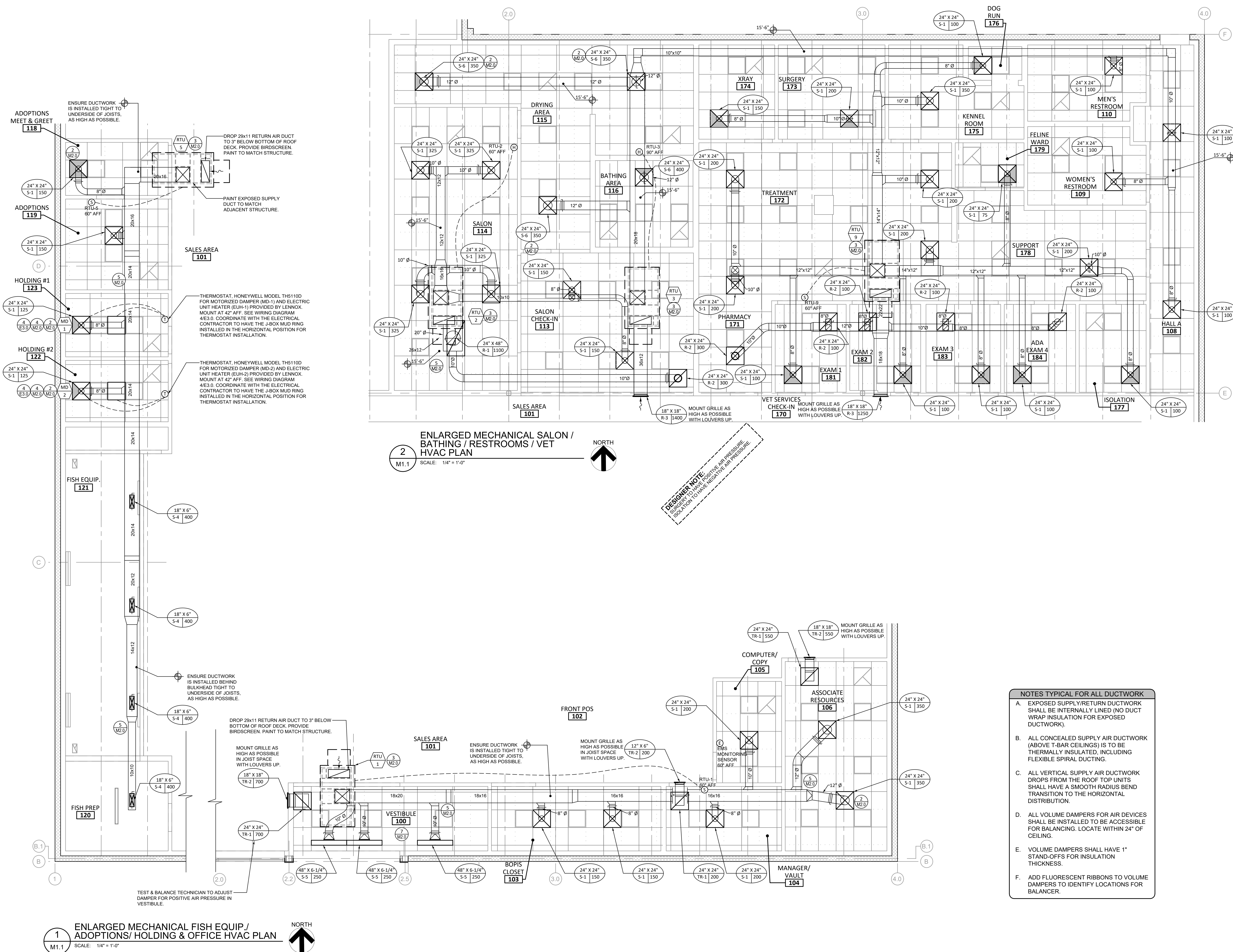
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DISCIPLINE: MECHANICAL

TITLE: ENLARGED
SUPPLY
FLOOR PLANS

SHEET NUMBER

M1.1



ITEM	ABBR.	DESCRIPTION
	-	RECTANGULAR DUCT
	-	ROUND DUCT
	-	45 ° TAP - USE AT BRANCH DUCTS ONLY
	-	CURVED (LONG SWEEP) DUCT ELBOW MINIMUM RADIUS R=1.5 x WIDTH
	-	90 ° RECTANGULAR DUCT ELBOW WITH SINGLE RADIUS TURNING VANES
	FD	FIRE DAMPER - COMBO FIRE / SMOKE DAMPER
	OBD	BALANCING DAMPER (USE O.B.D. UNLESS NOTED OTHERWISE)
	-	SPIN-IN DUCT TAKE-OFF W/ DAMPER
	SA	SUPPLY AIR DUCT
	EXH	EXHAUST AIR DUCT
	RA	RETURN AIR DUCT
	TSTAT	THERMOSTAT
	RTS	REMOTE TEMPERATURE SENSOR
	HS	REMOTE HUMIDITY/TEMPERATURE SENSOR
	NH	NEXREV EMS HUMIDITY SENSOR
	NT	NEXREV EMS TEMPERATURE SENSOR
	BP	BUILDING PRESSURE SENSOR
	-	OPEN-ENDED DUCT
	-	1-WAY THROW SUPPLY AIR DIFFUSER
	-	2-WAY THROW SUPPLY AIR DIFFUSER
	-	2-WAY THROW SUPPLY AIR DIFFUSER
	-	3-WAY THROW SUPPLY AIR DIFFUSER
	-	4-WAY THROW SUPPLY AIR DIFFUSER
	-	RETURN AIR GRILLE
	-	EXHAUST GRILLE
	-	AIR DEVICE DESIGNATION
	-	MECHANICAL/PLUMBING EQUIPMENT DESIGNATION MARK (DESIGNATION FOR SPECIFICATION OR MARK FOR SCHEDULE ON DRAWING)
	-	SPOT ELEVATION, MEASURED FROM BOTTOM OF DUCT



M2.0

PLUMBING FIXTURE SCHEDULE

FIXTURE DATA											PLUMBING FIXTURE SPECIFICATION
MARK	DESCRIPTION	LOCATION	MANUFACTURER	MODEL #	CONNECTION						
					CW	HW	TRAP	WASTE	VENT	GAL.	
DBP-1	DOMESTIC WATER BOOSTER PUMP	RECEIVING	TOWLE WHITNEY	TW1000-20W-40	1-1/2"	-	-	-	-	-	FLOOR MOUNT ADJACENT TO THE RPZ BACKFLOW PREVENTER ASSEMBLY WHERE SHOWN. BOOSTER PUMP ASSEMBLY PIPING CONNECTIONS TO THE 1-1/2" DOMESTIC WATER RISER SHALL INCLUDE A 1-1/2" QUARTER TURN BALL VALVE BY-PASS ASSEMBLY SHALL OPERATE AT 480V/3 PHASE AND SHALL BE A FACTORY ASSEMBLED, WIRED, AND TESTED PACKAGE PRESSURE BOOSTING SYSTEM. THE BOOSTER SYSTEM SHALL BE A FLAG FRAME MOUNTED PACKAGE CONSISTING OF PUMP, ELECTRICAL CONTROL PANEL, VARIABLE FREQUENCY DRIVE WITH TRANSDUCER, A PRE-PIPED 5 GALLON HYDRO-PNEUMATIC STORAGE TANK, PRESSURE GAUGE, RELIEF AND CHECK VALVES, TANK TEE, BRASS NIPPLE AND COPPER FITTINGS. THE SYSTEM SHALL BE SHIPPED WITH ALL COMPONENTS. SOME ASSEMBLY MAY BE REQUIRED. FOLLOW THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR PROPER ASSEMBLY. THE SYSTEM SHALL BE UL AND NSF61 LISTED. THE PUMP SHALL BE SIZED FOR 30 GPM WITH A 30 PSI BOOST. ELECTRICAL DESIGN IS BASED ON A SINGLE 3/4 HP PUMP. COORDINATE WITH THE ELECTRICAL CONTRACTOR IF PUMP HORSEPOWER IS DIFFERENT. PUMP PRESSURE TO BE SET AT 60 PSI.
ET-1	EXPANSION TANK	RECEIVING	AMTROL	ST-25V	3/4"	--	-	-	-	-	WALL MOUNTED THERMAL EXPANSION TANK. INSTALL PER MANUFACTURER'S INSTRUCTIONS. FOR TWO TANK WATER HEATER SYSTEM.
ET-2	EXPANSION TANK	SUPPORT	AMTROL	ST-5V	3/4"	-	-	-	-	-	WALL MOUNTED THERMAL EXPANSION TANK. INSTALL PER MANUFACTURER'S INSTRUCTIONS. FOR ONE TANK WATER HEATER SYSTEM.
EW-1	EYEWASH (COUNTERTOP MOUNTED)	TREATMENT	ENCON	1040128	1/2"	1/2"	-	-	-	-	COUNTERTOP MOUNTED SWING AWAY EYEWASH WITH 10-1/2" RADIUS, LEFT-HAND PULL OR RIGHT HAND PULL CAPABILITY. SEE DRAWINGS FOR ORIENTATION. INSTALL YELLOW COLORED EYEWASH PULL PLACARD ON THE COUNTERTOP UNDERNEATH THE EYEWASH ARM. INSTALL THE EYEWASH WALL MOUNT SIGN ON THE WALL ABOVE THE SINK. EYEWASH UNIT MUST HAVE DEDICATED MIXING VALVE, SEE MW-3 BELOW.
MV-3	EYEWASH MIXING VALVE	TREATMENT	POWERS	ES150	1/2"	1/2"	-	-	-	-	LOCKABLE THERMOSTATIC MIXING VALVE FOR EYEWASH ONLY. COMBINATION THERMOSTATIC AND PRESSURE REGULATING BALANCING MIXING VALVE FOR SUPPLYING TEMPERED WATER TO EYEWASH UNIT ONLY. VALVE SHALL HAVE A DUAL INTERNAL COLD WATER BY-PASS TO ENSURE FLOW IN EVENT OF VALVE FAILURE OR LOSS OF HOT WATER SUPPLY. BY-PASS SHALL RESPOND TO CHANGES IN TEMPERATURE AND PRESSURE. INSTALL VALVE IN SINK CABINET PER MANUFACTURER'S RECOMMENDATIONS. SET MIXING VALVE TEMPERATURE AT 85 DEG. F.
EW-2	EYEWASH (FAUCET MOUNTED)	TREATMENT	GUARDIAN	G1100	-	-	-	-	-	-	CHROME PLATED BRASS WITH ADJUSTABLE OUTLET HEADS 3" APART. FLOAT-OFF DUST COVERS. FORGED BRASS DIVERTER VALVE, AND REMOVABLE AERATOR ON THE BOTTOM. BODY INLET TO BE 5/8"-27 FEMALE THREADED AND FURNISH WITH THREE ADAPTERS, 15/16"-27, 13/16"-27, 3/8" IPS AND OPTIONAL 13/16"-24 FEMALE THREADED INLET ADAPTER.
EW-1	ELECTRIC WATER COOLER	HALL A	OASIS	PG8ACSL-U	1/2"	-	1-1/4"	2"	1-1/2"	-	TWO STATION WALL MOUNT WATER COOLER, ADA, FRONT ONLY EASY TOUCH CONTROL, HIGH UNIT ON LEFT.
FD-1	FLOOR DRAIN	RECEIVING, MEN'S/WOMEN'S RESTROOMS, SUPPORT	ZURN	ZN415B-3NH-P	-	-	3"	3"	1-1/2"	-	CAST IRON BODY WITH 3" NO-HUB BOTTOM OUTLET, COMBINATION CLAMP AND COLLAR WITH SEEPAGE SLOTS, 5" DIA. ADJUSTABLE NICKEL BRONZE STRAINER AND 1/2" TRAP PRIMER CONNECTION. PROVIDE WITH DEEP SEAL P-TRAP.
FD-2	FLOOR DRAIN	RECEIVING	ZURN	Z505-4NH-HP-P-VP	-	-	4"	4"	2"	-	CAST IRON BODY WITH 4" NO-HUB BOTTOM OUTLET, 12" DIA. CAST IRON TOP, SEEPAGE PAN AND COMBINATION MEMBRANE FLASHING CLAMP AND FRAME FOR HEAVY DUTY DEEP FLANGE SLOTTED GRATE, HEEL-PROOF GRATE, 1/2" TRAP PRIMER CONNECTION AND VANDAL-PROOF SECURED TOP. PROVIDE WITH DEEP SEAL P-TRAP.
HB-1	HOSE BIBB	EXTERIOR OF BUILDING	ZURN	Z1321	3/4"	-	-	-	-	-	EXPOSED ECOLOTROL "ANTI-SIPHON" AUTOMATIC DRAINING WALL HYDRANT WITH INTEGRAL BACKFLOW PREVENTER, COPPER CASING, ALL BRONZE INTERIOR PARTS WITH 1/2 TURN CERAMIC DISC CARTRIDGE AND COMBINATION 3/4" FEMALE SOLDER AND 3/4" MALE PIPE THREAD INLET, STAINLESS STEEL FACE WITH OPERATING KEY LOCK. ALL SOLDER CONNECTIONS ARE LEAD FREE.
HB-2	HOSE BIBB	KENNEL ROOM	ZURN	Z1349-34FS-VB	3/4	-	-	-	-	-	RECESSED NARROW WALL HYDRANT WITH 3/4" FEMALE SOLDER INLET ADAPTER AND VACUUM BREAKER. PROVIDE HOSE BIBB KEY AND SECURE TO DOG RUN GATE WITH A CHAIN.
HT-1	HAIR INTERCEPTOR	BATHING AREA	J.R. SMITH	8790	-	-	-	4"	-	-	HAIR INTERCEPTOR WITH YOKE TYPE COVER. TO BE INSTALLED IN MINIMUM 12X16 VAULT WITH NON-SLIP FLOOR FASTENED COVER.
L-1	LAVATORY	MEN'S/WOMEN'S RESTROOMS	KOHLER	K-2032 GREENWICH	-	-	-	2"	1-1/2"	-	20"x18" WALL MOUNT ADA COMPLIANT VITREOUS CHINA LAVATORY WITH FRONT OVERFLOW AND FAUCET HOLES ON 4" CENTERS. PROVIDE ZURN Z1231-EZ BACK-TO-BACK FLOOR MOUNTED IN-WALL FIXTURE CARRIER TO SUPPORT BOTH L-1 FIXTURES WITH ONE CARRIER.
LF-1	LAVATORY FAUCET	MEN'S/WOMEN'S RESTROOMS	ZURN	Z744-XL SIERRA	1/2"	1/2"	-	-	-	-	PROVIDE WITH LEAD-FREE BRUSHED NICKEL BRASS CENTERSET SINGLE CONTROL LEVER FAUCET W/ INTEGRAL SPOUT, CERAMIC DISC CARTRIDGE, AND 0.5 GPM VANDAL-RESISTANT SPRAY OUTLET.
LTW-1	LAVATORY TRAP WRAP	MEN'S/WOMEN'S RESTROOMS	TRUEBRO	LAV GUARD KIT #102	-	-	-	-	-	-	PROVIDE WITH WATTS MODEL 899AGC AIR GAP FITTING. EXTEND DISCHARGE PIPING FULL SIZE AND WITHOUT TRAP. DISCHARGE INTO FLOOR DRAIN.
MPS-1	MULTIPURPOSE SINK	HOLDING #1 FISH PREP SUPPORT	MUSTEE	15F UTILATUB	-	-	1-1/2"	1-1/2"	1-1/2"	-	SINGLE COMPARTMENT 19 GALLON SINK ONE-PIECE MOLDED CONSTRUCTION. ACCOMODATES DUEL HANDLE FAUCET WITH 4" CENTER, HEAVY GAUGE STEEL LEGS WITH BUILT-IN LEVELERS. SECURE LEGS TO FLOOR.
MPSF-1	MULTIPURPOSE SINK FAUCET	HOLDING #1 FISH PREP SUPPORT	ZURN	Z-812M4	1/2"	1/2"	-	-	-	-	PROVIDE FAUCET WITH INTEGRAL VACUUM BREAKER, 3/4" THREADED OUTLET, PAIL HOOK AND WALL BRACE.
MS-1	MOP SINK	RECEIVING SUPPORT	ZURN	Z1996-24	-	-	-	3"	1-1/2"	-	MOP SERVICE BASIN 24"x24"x12" DEEP, MOLDED HIGH DENSITY COMPOSITE BASIN, PVC DRAIN BODY, STAINLESS STEEL STRAINER AND GASKETED OUTLET CONNECTION. PROVIDE 3 POSITION MOP BASIN HOSE HANGER, 3" WIDE x 26" LONG S.S. MOP HANGER WITH 3 RUBBER TOOL GRIP FITTINGS (ZURN MODEL Z1996-MH).
MSF-1	MOP SINK FAUCET	RECEIVING SUPPORT	ZURN	Z843M1-XL	3/4"	3/4"	-	-	-	-	PROVIDE FAUCET WITH INTEGRAL VACUUM BREAKER, 3/4" THREADED OUTLET, PAIL HOOK AND ADJUSTABLE WALL BRACE. INSTALL FAUCET AT 40" AFF.
MV-1	MIXING VALVE	RECEIVING	POWERS	HYDROGUARD LFM4M34-1	1-1/4"	1-1/4"	-	-	-	-	LEAD FREE THERMOSTATIC MIXING VALVE WITH ROUGH BRONZE BODY, STANDARD TEMPERATURE RANGE, PARAFFIN-BASED THERMAL ACTUATION, DIRT AND LIME RESISTANT POPPETS AND SEATS, VIRTUAL SHUT-OFF ON LOSS OF INCOMING PRESSURE, VANDAL-RESISTANT LOCKING MECHANISM, ROTATABLE UNION TRIPLE DUTY CHECKSTOPS, 1-1/4" INLETS AND 1-1/2" OUTLET. SET DISCHARGE TEMPERATURE AT 110 DEG. F. INSTALL MIXING VALVE PIPING CONNECTIONS TO THE WATER HEATERS PER THE PLANS FOR A TWO TANK WATER HEATER SYSTEM.
MV-2	MIXING VALVE	SUPPORT	POWERS	HYDROGUARD LFMVMV1-US	3/4"	3/4"	-	-	-	-	LEAD FREE THERMOSTATIC MIXING VALVE WITH CAST COPPER SILICON ALLOY BODY, STANDARD TEMPERATURE RANGE, SOLID WAD HYDRAULIC PRINCIPLE THERMOSTAT, INTEGRAL FILTER WASHERS AND CHECK VALVES, AND AN ADJUSTMENT GAP WITH LOCKING FEATURE, 3/4" INLETS AND 3/4" OUTLET. SET DISCHARGE TEMPERATURE AT 110 DEG. F.
RH-1	ROOF HYDRANT	ROOF	WOODFORD	SRH-MS	3/4"	-	-	-	-	-	NON-FREEZE ROOF HYDRANT WITH 3/4" NPT INLET, WELL SEAL, RUBBER BOOT, AND MOUNTING SYSTEM CONSISTING OF: CAST IRON HYDRANT SPOUT, CAST IRON SHIM, CAST IRON UNDER DECK FLANGE, AND MOUNTING BOLTS, NUTS, AND WASHERS. PROVIDE WITH MODEL 50H ASSE 1052 DUAL CHECK - AUTO DRAIN BACKFLOW PREVENTER. SEE DETAIL ON SHEET P2.0.
RP-1	RECIRCULATION PUMP	RECEIVING SUPPORT	BELL & GOSSETT	NBF 22U	-	3/4"	-	-	-	-	DOMESTIC HOT WATER RECIRCULATION PUMP WITH BRONZE BODY, SYSTEM LUBRICATED CIRCULATOR, 92 WATTS, 115 V, 1 PHASE, 3000 RPM, AND 4 GPM @ 12 F.O.W.
RPA-1	RECIRCULATION PUMP AQUASTAT	RECEIVING SUPPORT	BELL & GOSSETT	AGS-3/4	-	3/4"	-	-	-	-	REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSEMBLY WITH BRONZE BODY CONSTRUCTION, QUARTER-TURN BALL VALVES, AND REPLACEABLE SEATS. MOUNT IN HORIZONTAL POSITION.
RPZ-1	BACKFLOW PREVENTOR	RECEIVING	WATTS	LF009M20T	1-1/2"	-	-	-	-	-	PROVIDE WITH WATTS MODEL 899AGC AIR GAP FITTING. EXTEND DISCHARGE PIPING FULL SIZE AND WITHOUT TRAP. DISCHARGE INTO FLOOR DRAIN.
S-1	SINK	SEE LOCATIONS ON DRAWINGS	ELKAY	PSRADQ191955L-3	-	-	1-1/2"	2"	1-1/2"	-	20 GAUGE 19-1/2" x 19" SINGLE COMPARTMENT 304 S.S. SINK WITH 16"x13-1/2" x 5-1/4" DEEP BOWL AND 3 HOLES. PROVIDE LK-35 STRAINER. PROVIDE P-TRAP WITH CLEANOUT PLUG. INSTALL CHROME ESCUTCHEONS ON THE WATERLINES AND DRAINLINE.
SF-1	SINK FAUCET	SEE LOCATIONS ON DRAWINGS	ZURN	Z831C4-XL-2F	1/2"	1/2"	-	-	-	-	PROVIDE FAUCET W/ 8" CENTERLINE SWING GOOSENECK SPOUT, 2.2 GPM VANDAL-RESISTANT PRESSURE COMPENSATING FEMALE AERATOR.
S-2	SINK	EXAM ROOMS (WHERE OCCURS)	ELKAY	PSR1517 (1 HOLE)	-	-	1-1/2"	2"	1-1/2"	-	20 GAUGE 15" x 17-1/2" SINGLE COMPARTMENT 304 S.S. SINK WITH 12"x12" x 7" DEEP BOWL AND 1 HOLE. PROVIDE LK-35 STRAINER. PROVIDE P-TRAP WITH CLEANOUT PLUG. INSTALL CHROME ESCUTCHEONS ON THE WATERLINES AND DRAINLINE.
SF-2	SINK FAUCET	EXAM ROOMS (WHERE OCCURS)	ZURN	Z826B1-XL	1/2"	1/2"	-	-	-	-	PROVIDE FAUCET W/ 5-3/8" CENTERLINE SWING GOOSENECK SPOUT, 2.2 GPM VANDAL-RESISTANT PRESSURE COMPENSATING FEMALE AERATOR.
S-3	SINK	TREATMENT	ELKAY	DLR172210-2 (2 HOLE)	-	-	1-1/2"	2"	1-1/2"	-	18 GAUGE 17" x 22" SINGLE COMPARTMENT 304 S.S. SINK WITH 13-1/2"x16" x 10" DEEP BOWL AND 2 HOLE PUNCHED, CENTERED DRAIN OPENING. PROVIDE LKJ-35 STRAINER. INSTALL CHROME ESCUTCHEONS ON THE WATERLINES AND DRAINLINE.
SF-3	SINK FAUCET	TREATMENT	ZURN	Z812U4-XL-4F	1/2"	1/2"	-	-	-	-	PROVIDE FAUCET W/ 6" CENTERLINE RIGID BENT RISER SPOUT W/ VACUUM BREAKER, 2.2 GPM VANDAL-RESISTANT PRESSURE COMPENSATING MALE LAMINAR FLOW OUTLET, VANDAL-RESISTANT COLOR-CODED METAL WRIST BLADE HANDLES. INSTALL HANDLES SO THAT THE "OFF" POSITION THEY ARE PARALLEL WITH THE WALL. PROVIDE P-TRAP WITH CLEANOUT PLUG.
SF-4	SINK FAUCET (WET TABLE)	TREATMENT	ZURN	Z831C4-H56-2F	1/2"	1/2"	-	-	-	-	PROVIDE FAUCET W/ 8" CENTERLINE SWING GOOSENECK SPOUT, 2.2 GPM VANDAL-RESISTANT PRESSURE COMPENSATING FEMALE AERATOR. PROVIDE P-TRAP WITH CLEANOUT PLUG.
SP-1	SCAVENGER PUMP	TREATMENT	SUPERA	EVC-3000	-	-	-	-	-	-	SCAVENGER VACUUM POWER UNIT, MOUNT +12-0" A.F.F., FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR. PROVIDE 2" SCHD 40 CPVC VENT THRU ROOF. SEE DETAILS 16/P2.0 AND 17/P2.0.
SPD-1	SCAVENGER PIPE DROP (CEILING)	SURGERY X-RAY	SUPERA	EVC680PS	-	-	-	-	-	-	EVAC CEILING OUTLET KIT: ROUGH-IN OUTLET BOX WITH FINISH PLATE, 1/2 SCHD 40 FEMALE INLET, 22mm CALIBRATED INLET NIPPLE, 4" - 22mm HOSE FOR CEILING DROP, AND 22mm MALE x MALE ADAPTER.
SPD-2	SCAVENGER PIPE DROP (WET TABLE)	TREATMENT	SUPERA	EVC682	-	-	-	-	-	-	WET TABLE EVAC OUTLET KIT: ROUGH-IN OUTLET BOX WITH FINISH PLATE, 1/2 SCHD 40 FEMALE INLET, 22mm CALIBRATED OUTLET NIPPLE, AND 90 DEGREE CHROME ELBOW.
SST-1	WALL FAUCET	BATHING AREA	ZURN	Z843L1-90-YJ	3/4"	3/4"	-	-	-	-	POLISHED CHROME 8" WASH DOWN FAUCET W/ VACUUM BREAKER SPOUT, INTEGRAL HOSE THREADED SPOUT, VANDAL RESISTANT COLOR CODED LEVER HANDLES AND SPLIT RING WALL BRACE.
TD-1	TRENCH DRAIN	DRYING AREA BATHING AREA DOG RUN	ZURN	PERMA-TRENCH Z-886-HP-P-GL-(2) E1-U4-DB	-	-	4"	4"	2"	-	6" WIDE PRE-SLOPED TRENCH DRAIN WITH INTEGRAL TOP FRAME, INTERLOCKING ENDS AND RADIUSSED BOTTOM, PM886HP HEEL-PROOF POLYETHYLENE GRATE, 4" NO-HUB BOTTOM OUTLET. LENGTH OF DRAIN PER DIMENSIONS ON A-2.0 SHEET. PROVIDE WITH BOTTOM DOME STRAINER.
TD-2	TRENCH DRAIN	FISH EQUIPMENT	ZURN	PERMA-TRENCH Z-886-(2) E1-U3-SPECIAL	-	-	3"	3"	1-1/2"	-	8608N SECTION 10" W/ REBAR CLIPS @ CENTER WITHOUT GRATE. 6"x10"x8" DEEP. GRATE TO BE FLUSH WITH FIN. FLOOR. NO-LIP.
TG-1	TEMPERATURE GAUGE	RECEIVING SUPPORT	MILJOCO	B259951-2W	-	1/4"	-	-	-	-	TEMPERATURE GAUGE, 2-1/2" DIAMETER DIAL, STEEL CASE, ACRYLIC LENS, WHITE ALUMINUM DIAL WITH BLACK MARKINGS, BRASS MOVEMENT WITH PRECISION-MILLED TEETH, 1/4" NPT BOTTOM OUTLET, +/-3-2-3% ACCURACY, -40 TO 150 DEG. F. PROCESS TEMPERATURE. INSTALL ACCESSIBLE ABOVE THE CEILING AT THE DISCHARGE OF THE SELF DUG WASH MIXING VALVE.
TP-1	TRAP PRIMER	SEE LOCATIONS ON DRAWINGS	PPP	P1-500 W/ TAPPED P-TRAP ADAPTER	1/2"	-	-	-	-	-	TRAP PRIMER VALVE WITH INTEGRAL BACKFLOW PREVENTER & VACUUM BREAKER PORT. PROVIDE DISTRIBUTION UNIT (DU-U) AS REQUIRED. ROUTE 1/2" PEX POLYETHYLENE TUBING DOWN IN WALL AND BELOW SLAB TO P-TRAP. PLUG UNUSED DISTRIBUTION UNIT PORTS.
U-1	URINAL	MEN'S RESTROOM	ZURN	Z5755-U	3/4"	-	2"	2"	2"	-	VITREOUS CHINA, WALL HUNG, INTEGRAL TRAP, WASH DOWN URINAL COMPLETE WITH 3/4" TOP SPUD CONNECTION, CONCEALED UNIVERSAL RETROFIT WALL BRACKET, 2" OUTLET CONNECTION AND VANDAL RESISTANT OUTLET STRAINER.
UF-1	URINAL FLUSH VALVE	MEN'S RESTROOM	ZURN	Z6003-WS1-YB	3/4"	-	-	-	-	-	PROVIDE WITH URINAL FLUSH VALVE - ZURN MODEL Z-6003-WS1-YB.
WB-1	ICE MAKER OUTLET BOX	ASSOCIATE RESOURCES	SIOUX CHIEF	696 SERIES "OX" BOX	1/2"	-	-	-	-	-	ABS OUTLET BOX WITH FRAME AND BRACKET. PROVIDE BALL VALVE WITH WATER HAMMER ARRESTOR AND 1/4" OUTLET. PROVIDE WATTS SERIES 7 DUAL CHECK VALVE AND BALL VALVE SHUT-OFF IN 1/2" CW SUPPLY LINE.
WB-2	WASHING MACHINE OUTLET BOX	SUPPORT	OATEY	38540	1/2"	1/2"	-	2"	-	-	(2) 1/4" TURN BALL VALVES WITH VACUUM BREAKERS, SWEAT CONNECTION, 2" DRAIN OPENING, HIGH IMPACT POLYSTYRENE BOX, AND TRIM RING.
WC-1	WATER CLOSET	MEN'S RESTROOM WOMEN'S RESTROOM	MANSFIELD	148-122 - ADA	1/2"	-	-	4"	2"	-	FLOOR MOUNTED VITREOUS CHINA 1.6 GALLON FLUSH, WITH POLISHED CHROME LEVEL HANDLE ACTUATOR, SMARTHEIGHT ELONGATED FRONT TWO PIECE, PRESSURE-ASSIST WATER CLOSET, 12" ROUGH-IN, WITH VANDAL RESISTANT KIT. PROVIDE CHURCH OPEN FRONT SEAT. LOW CONSUMPTION FIXTURE.
WH-1 WH-2	WATER HEATER	RECEIVING	BRADFORD WHITE	E32-80R-3-3H135	1-1/4"	1-1/4"	-	-	-	80	80 GALLON ELECTRIC WATER HEATER WITH THREE (3) 4.5KW ELEMENTS CAPABLE OF SIMULTANEOUS OPERATION FOR TOTAL INPUT OF 13.5KW, 480 VOLTS/3 PHASE AND A MINIMUM RECOVERY OF 56 GPH @ 100°F TEMPERATURE RISE. THE WATER HEATER TANK SHALL BE HEAVY GAUGE ROLLED, FORMED, AND WELDED STEEL WITH VITRAGLAS ENAMEL LINING, 1-1/4" NPT FACTORY INSTALLED TRUE DIELECTRIC FITTINGS AND LOW RESTRICTION BRASS DRAIN VALVE, INSULATED WITH 2" NON-CFC FOAM INSULATION. PROVIDE UNIT WITH FACTORY INSTALLED HEAT TRAPS, FACTORY INSTALLED HYDROJET TOTAL PERFORMANCE SYSTEM, FULLY AUTOMATIC CONTROLS, PROTECTIVE MAGNESIUM ANODE ROD AND AN ASME RATED T & P RELIEF VALVE. THE ENTIRE INSTALLATION SHALL BE MADE IN COMPLIANCE WITH STATE AND LOCAL CODES AND ORDINANCES. THE T&P RELIEF LINE SHALL BE TERMINATED OVER THE FLOOR DRAIN (FD-1) FLOOD RIM WITH A MINIMUM 2" AIR GAP. SET WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
WH-1 WH-2	WATER HEATER	RECEIVING	BRADFORD WHITE	E32-80R-3-3L135	1-1/4"	1-1/4"	-	-	-	80	80 GALLON ELECTRIC WATER HEATER WITH THREE (3) 4.5KW ELEMENTS CAPABLE OF SIMULTANEOUS OPERATION FOR TOTAL INPUT OF 13.5KW, 208 VOLTS/3 PHASE AND A MINIMUM RECOVERY OF 56 GPH @ 100°F TEMPERATURE RISE. THE WATER HEATER TANK SHALL BE HEAVY GAUGE ROLLED, FORMED, AND WELDED STEEL WITH VITRAGLAS ENAMEL LINING, 1-1/4" NPT FACTORY INSTALLED TRUE DIELECTRIC FITTINGS AND LOW RESTRICTION BRASS DRAIN VALVE, INSULATED WITH 2" NON-CFC FOAM INSULATION. PROVIDE UNIT WITH FACTORY INSTALLED HEAT TRAPS, FACTORY INSTALLED HYDROJET TOTAL PERFORMANCE SYSTEM, FULLY AUTOMATIC CONTROLS, PROTECTIVE MAGNESIUM ANODE ROD AND AN ASME RATED T & P RELIEF VALVE. THE ENTIRE INSTALLATION SHALL BE MADE IN COMPLIANCE WITH STATE AND LOCAL CODES AND ORDINANCES. THE T&P RELIEF LINE SHALL BE TERMINATED OVER THE FLOOR DRAIN (FD-1) FLOOD RIM WITH A MINIMUM 2" AIR GAP. SET WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
WH-1 WH-2	WATER HEATER	RECEIVING	BRADFORD WHITE	E32-80R-3-3H18	1-1/4"	1-1/4"	-	-	-	80	80 GALLON ELECTRIC WATER HEATER WITH THREE (3) 6KW ELEMENTS CAPABLE OF SIMULTANEOUS OPERATION FOR TOTAL INPUT OF 18KW, 480 VOLTS/3 PHASE AND A MINIMUM RECOVERY OF 74 GPH @ 100°F TEMPERATURE RISE. THE WATER HEATER TANK SHALL BE HEAVY GAUGE ROLLED, FORMED, AND WELDED STEEL WITH VITRAGLAS ENAMEL LINING, 1-1/4" NPT FACTORY INSTALLED TRUE DIELECTRIC FITTINGS AND LOW RESTRICTION BRASS DRAIN VALVE, INSULATED WITH 2" NON-CFC FOAM INSULATION. PROVIDE UNIT WITH FACTORY INSTALLED HEAT TRAPS, FACTORY INSTALLED HYDROJET TOTAL PERFORMANCE SYSTEM, FULLY AUTOMATIC CONTROLS, PROTECTIVE MAGNESIUM ANODE ROD AND AN ASME RATED T & P RELIEF VALVE. THE ENTIRE INSTALLATION SHALL BE MADE IN COMPLIANCE WITH STATE AND LOCAL CODES AND ORDINANCES. THE T&P RELIEF LINE SHALL BE TERMINATED OVER THE FLOOR DRAIN (FD-1) FLOOD RIM WITH A MINIMUM 2" AIR GAP. SET WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
WH-1 WH-2	WATER HEATER	RECEIVING	BRADFORD WHITE	E32-80R-3-3L18	1-1/4"	1-1/4"	-	-	-	80	80 GALLON ELECTRIC WATER HEATER WITH THREE (3) 6KW ELEMENTS CAPABLE OF SIMULTANEOUS OPERATION FOR TOTAL INPUT OF 18KW, 208 VOLTS/3 PHASE AND A MINIMUM RECOVERY OF 74 GPH @ 100°F TEMPERATURE RISE. THE WATER HEATER TANK SHALL BE HEAVY GAUGE ROLLED, FORMED, AND WELDED STEEL WITH VITRAGLAS ENAMEL LINING, 1-1/4" NPT FACTORY INSTALLED TRUE DIELECTRIC FITTINGS AND LOW RESTRICTION BRASS DRAIN VALVE, INSULATED WITH 2" NON-CFC FOAM INSULATION. PROVIDE UNIT WITH FACTORY INSTALLED HEAT TRAPS, FACTORY INSTALLED HYDROJET TOTAL PERFORMANCE SYSTEM, FULLY AUTOMATIC CONTROLS, PROTECTIVE MAGNESIUM ANODE ROD AND AN ASME RATED T & P RELIEF VALVE. THE ENTIRE INSTALLATION SHALL BE MADE IN COMPLIANCE WITH STATE AND LOCAL CODES AND ORDINANCES. THE T&P RELIEF LINE SHALL BE TERMINATED OVER THE FLOOR DRAIN (FD-1) FLOOD RIM WITH A MINIMUM 2" AIR GAP. SET WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
WH-3	WATER HEATER	SUPPORT	A.O. SMITH	HNT-50	3/4"	3/4"	-	-	-	50	50 GALLON ELECTRIC WATER HEATER WITH TWO (2) 3KW ELEMENTS CAPABLE OF SIMULTANEOUS OPERATION FOR TOTAL INPUT OF 6KW, 240 VOLT/1 PHASE AND A MINIMUM RECOVERY OF 21 GPH @ 90°F TEMPERATURE RISE. THE WATER HEATER TANK SHALL BE HEAVY GAUGE ROLLED, FORMED, AND WELDED STEEL WITH VITRAGLAS ENAMEL LINING, 3/4" NPT FACTORY INSTALLED TRUE DIELECTRIC FITTINGS AND LOW RESTRICTION BRASS DRAIN VALVE, INSULATED WITH 2" NON-CFC FOAM INSULATION. PROVIDE UNIT WITH FACTORY INSTALLED HEAT TRAPS, FACTORY INSTALLED HYDROJET TOTAL PERFORMANCE SYSTEM, FULLY AUTOMATIC CONTROLS, PROTECTIVE MAGNESIUM ANODE ROD AND AN ASME RATED T & P RELIEF VALVE. THE ENTIRE INSTALLATION SHALL BE MADE IN COMPLIANCE WITH STATE AND LOCAL CODES AND ORDINANCES. THE T&P RELIEF LINE SHALL BE TERMINATED OVER THE FLOOR DRAIN (FD-1) FLOOD RIM WITH A MINIMUM 2" AIR GAP. SET WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
NOTE: G.C. TO PURCHASE ALL PLUMBING FIXTURES BY NATIONAL VENDOR, NO SUBSTITUTIONS.											

NOTE: G.C. TO PURCHASE ALL PLUMBING FIXTURES BY NATIONAL VENDOR, NO SUBSTITUTIONS.

DESIGNER NOTE:
1. PROVIDE WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
2. PROVIDE WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
3. PROVIDE WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.

DESIGNER NOTE:
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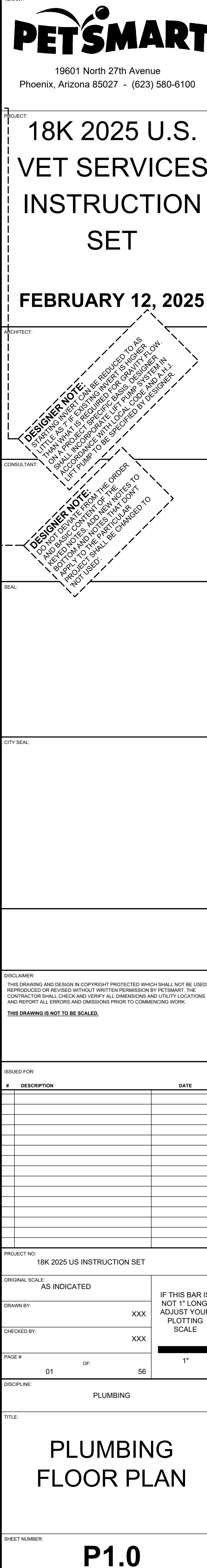
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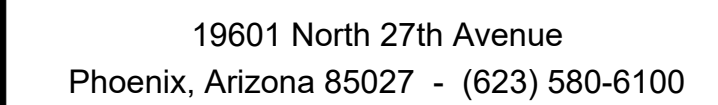
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FEBRUARY 12, 2025

ARCHITECT

CONSULTA

SEA

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PROJECT NO: 18K 2025 US INSTRUCTION SET

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AS INDICATED

DRAWN BY:

CHECKED BY:	7000	PLOTTING SCALE
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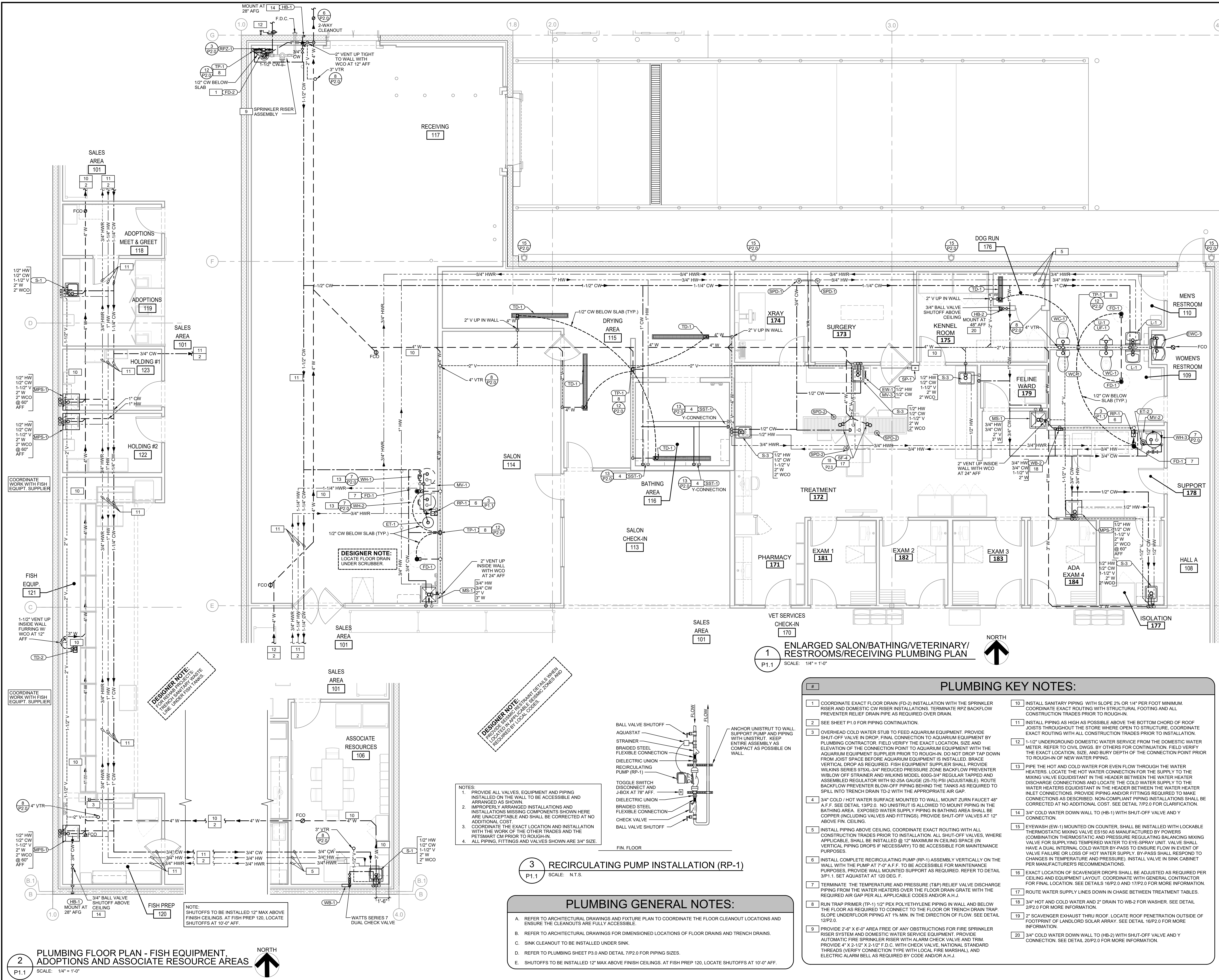
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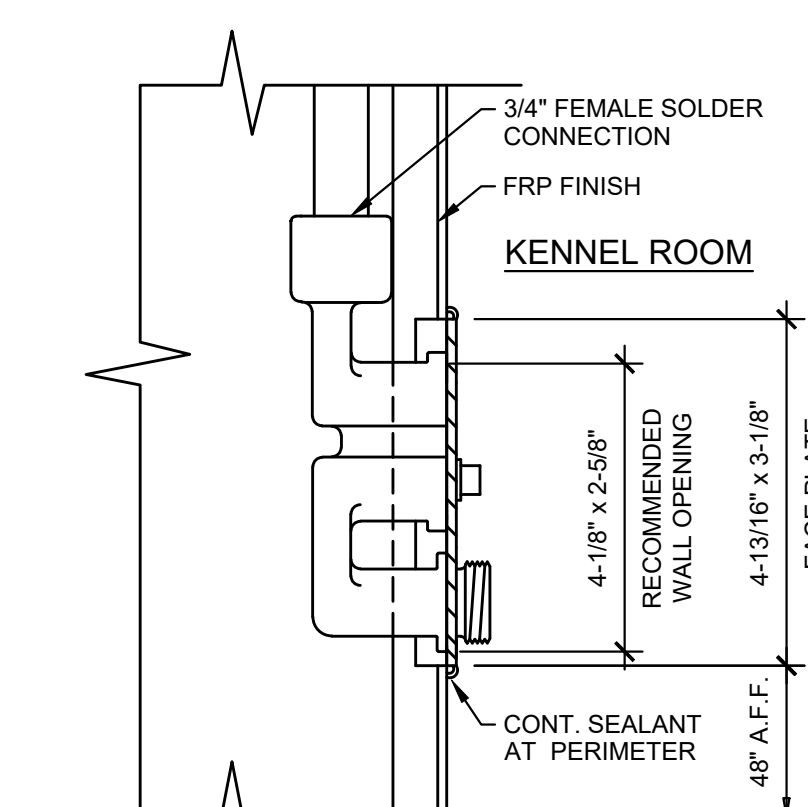
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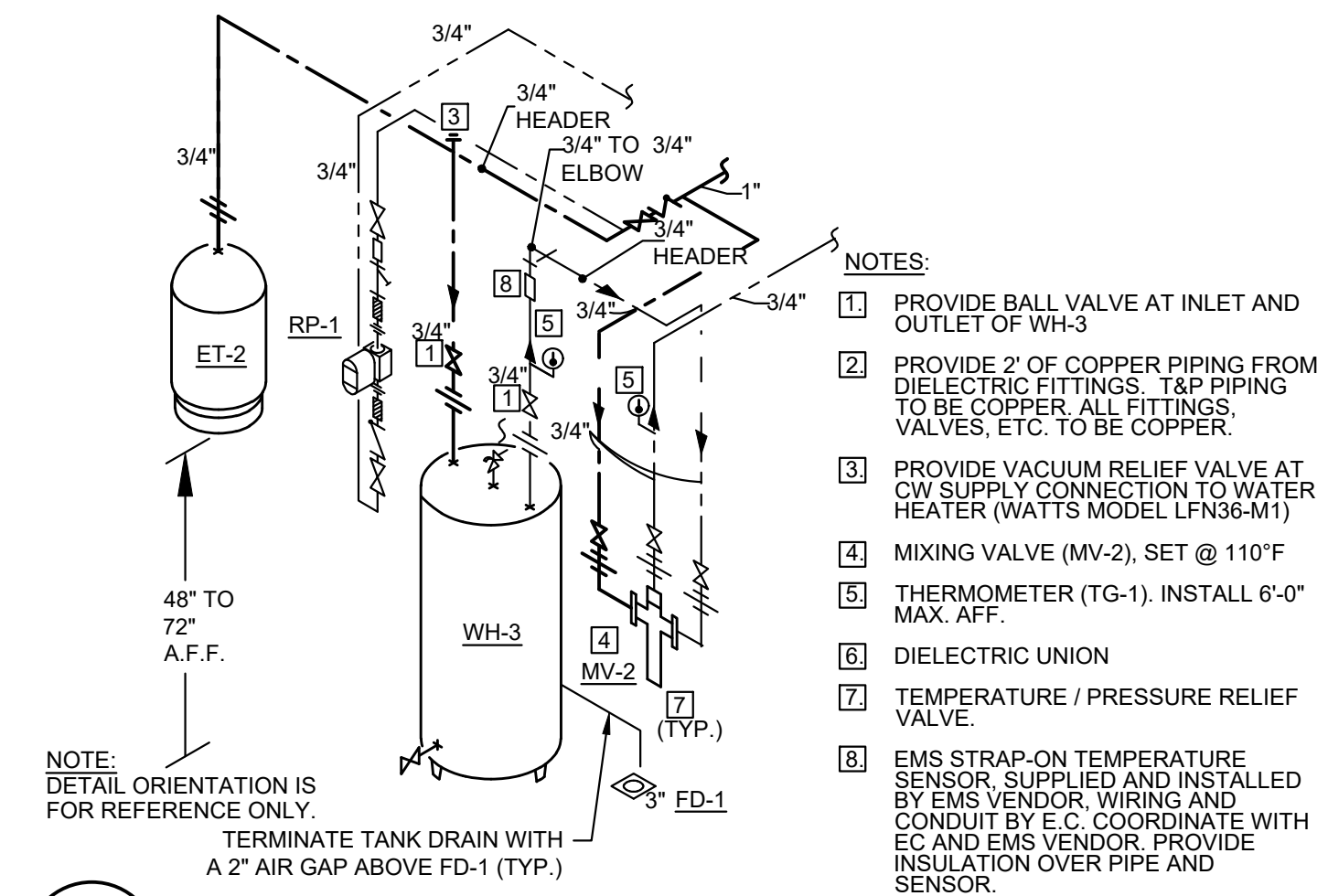
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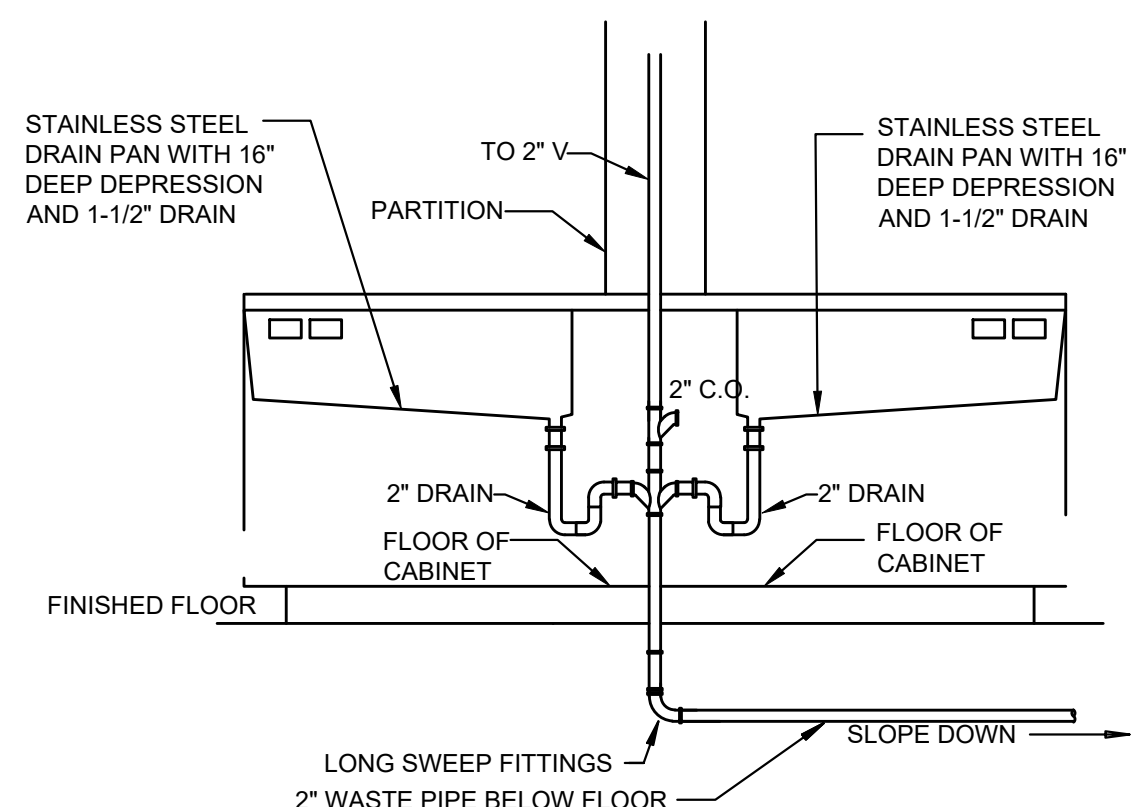




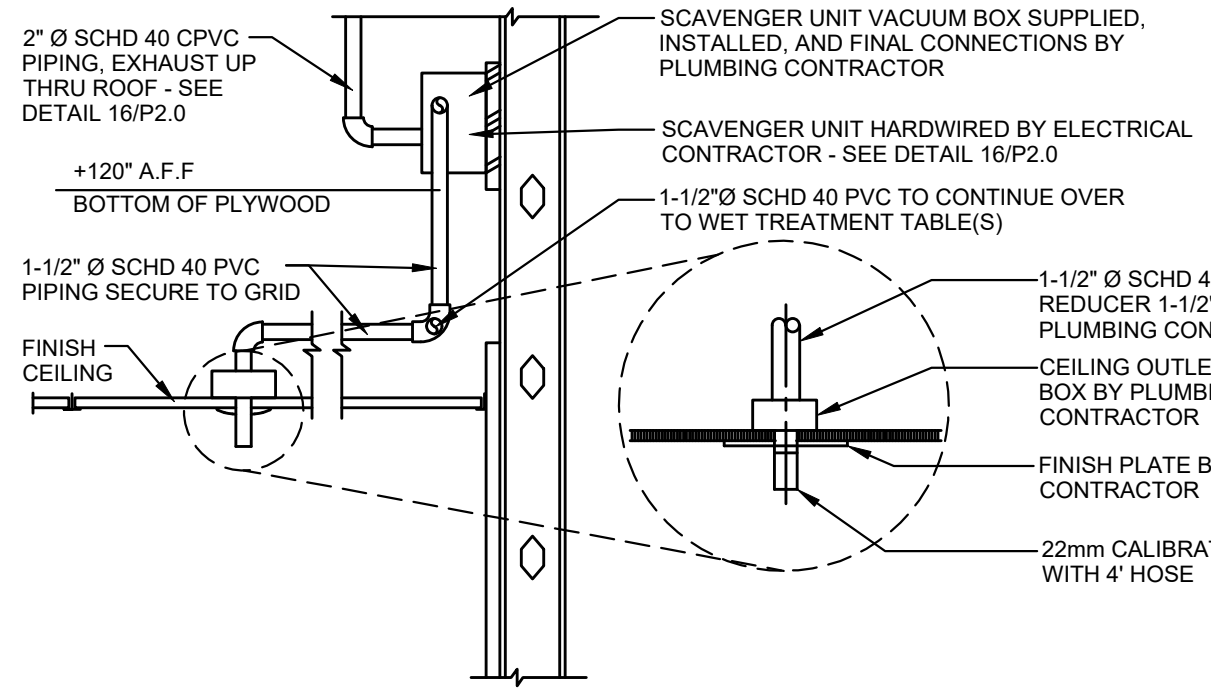
20 HOSE BIBB INSTALLATION AT KENNEL ROOM (HB-2)
P2.0 SCALE: N.T.S.



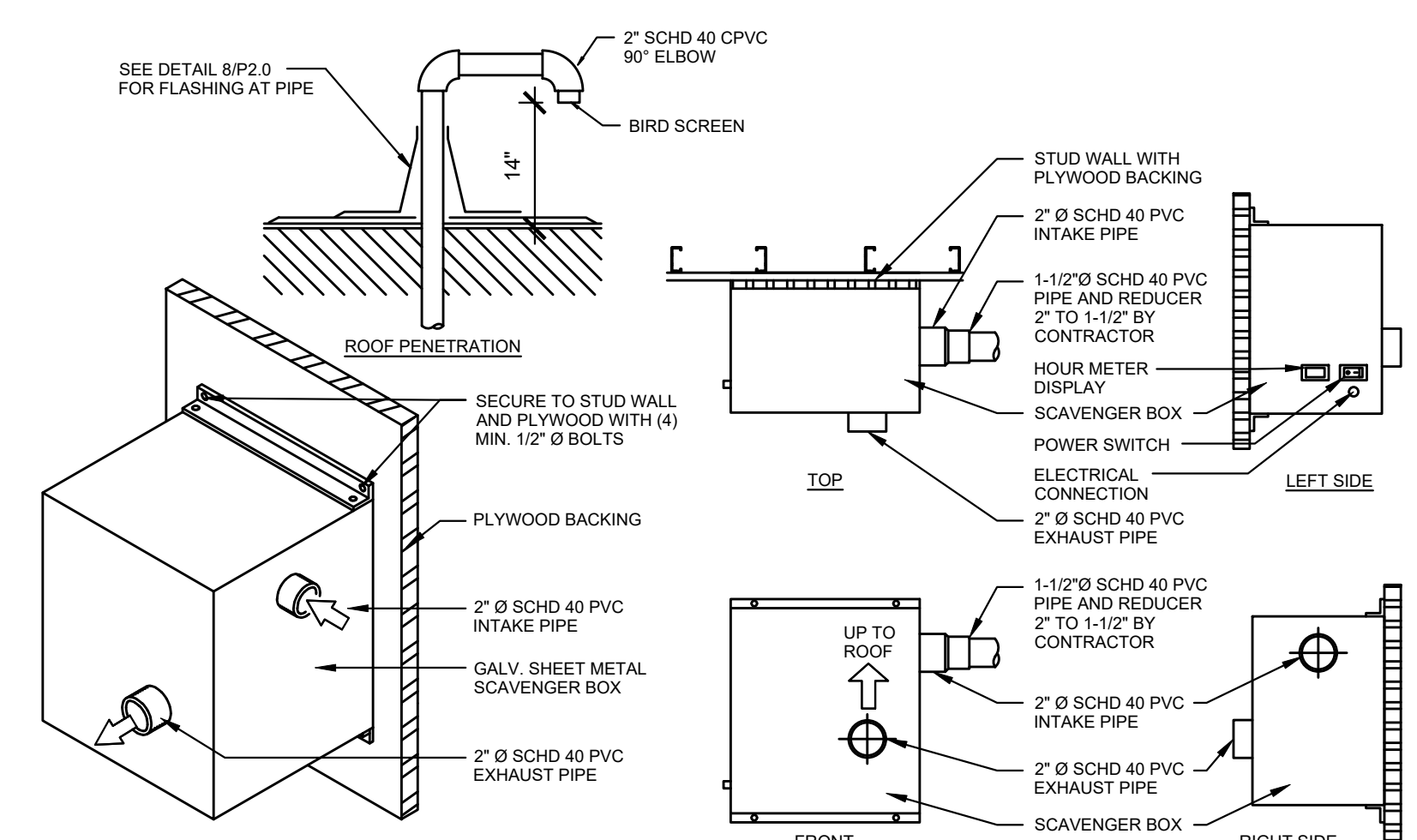
19 WATER HEATER INSTALLATION (WH-3)
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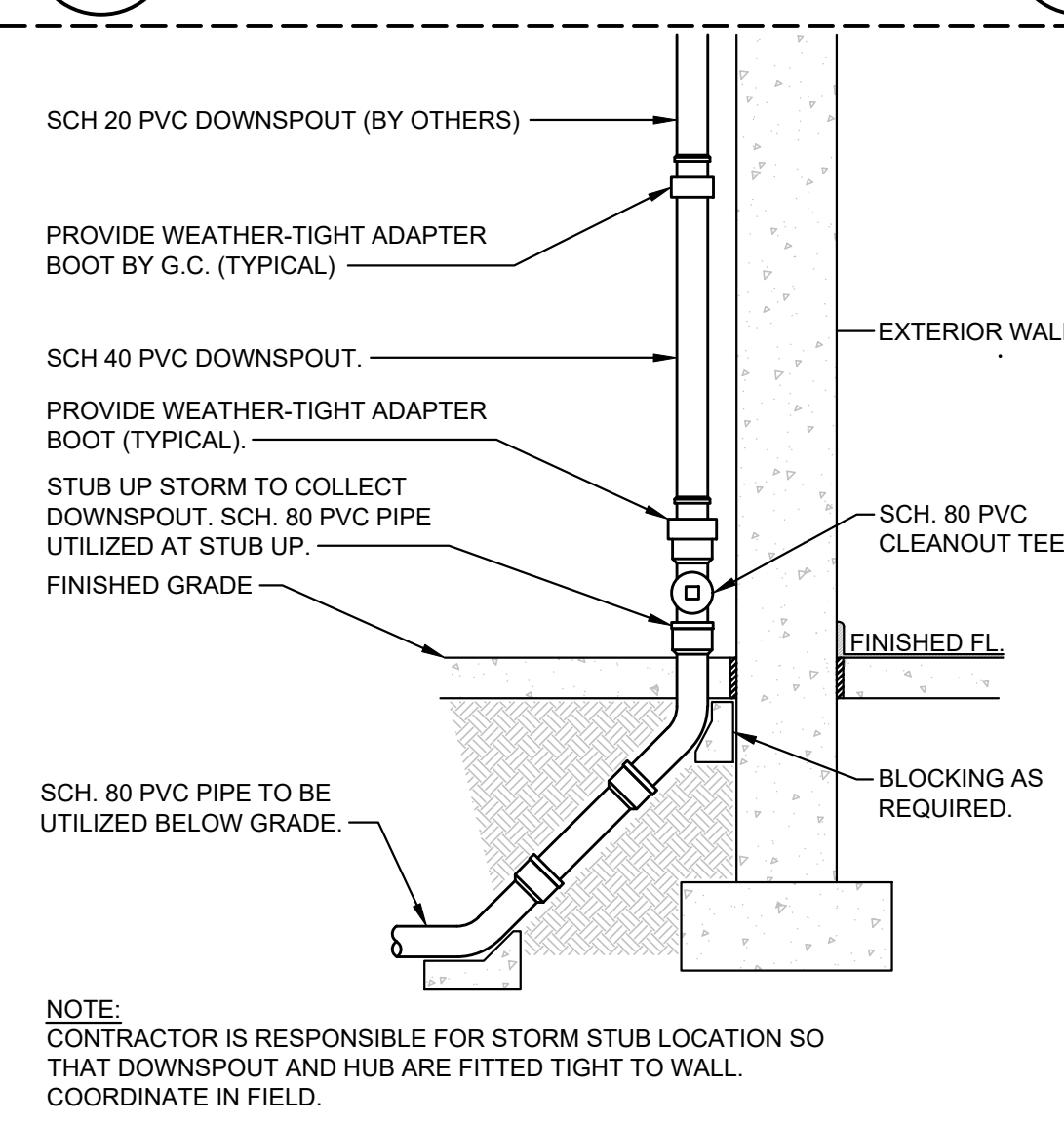
18 WASTE PIPING AT TREATMENT TABLE
P2.0 SCALE: N.T.S.



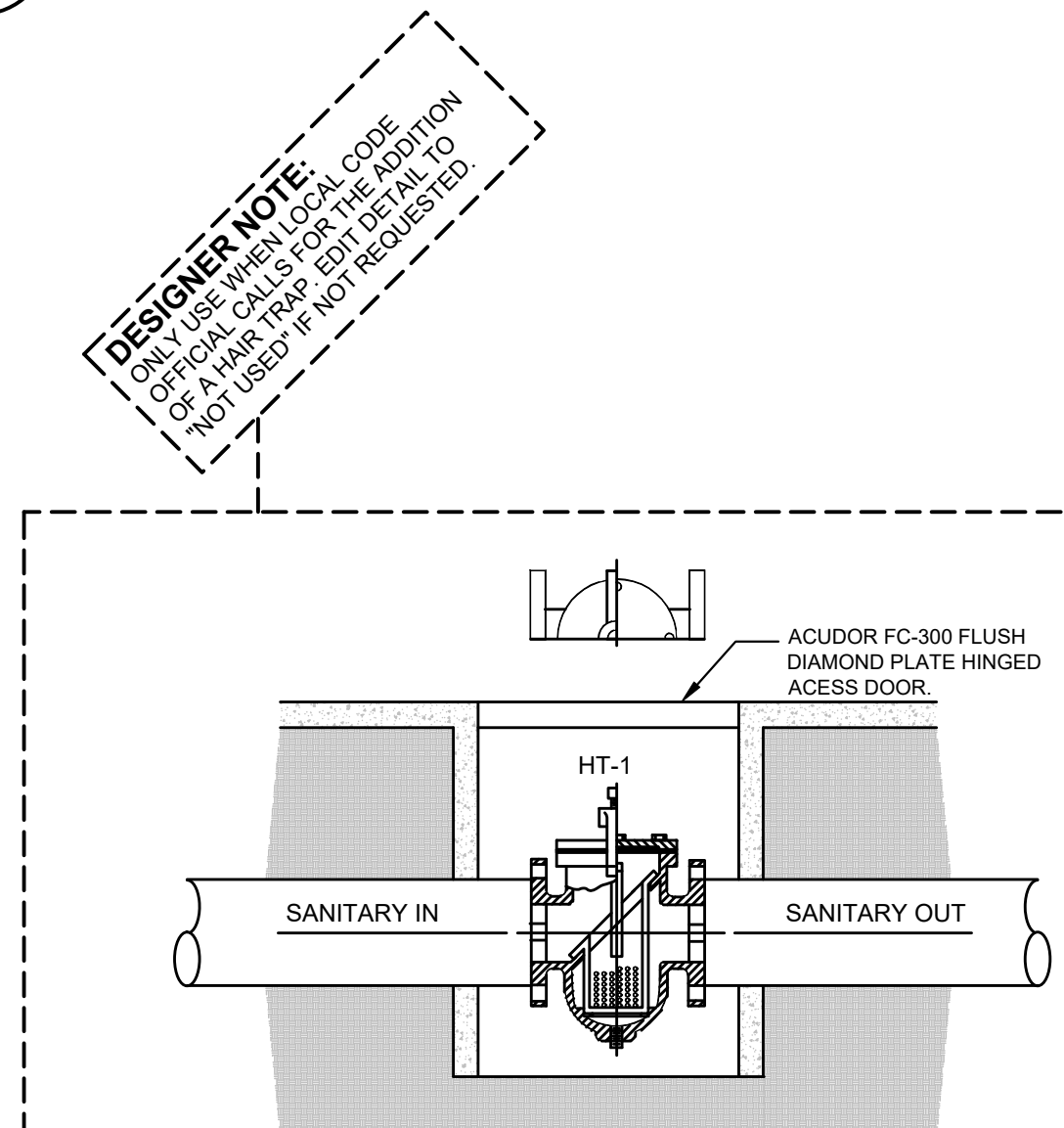
17 SCAVENGER PIPING TO DROP
P2.0 SCALE: N.T.S.



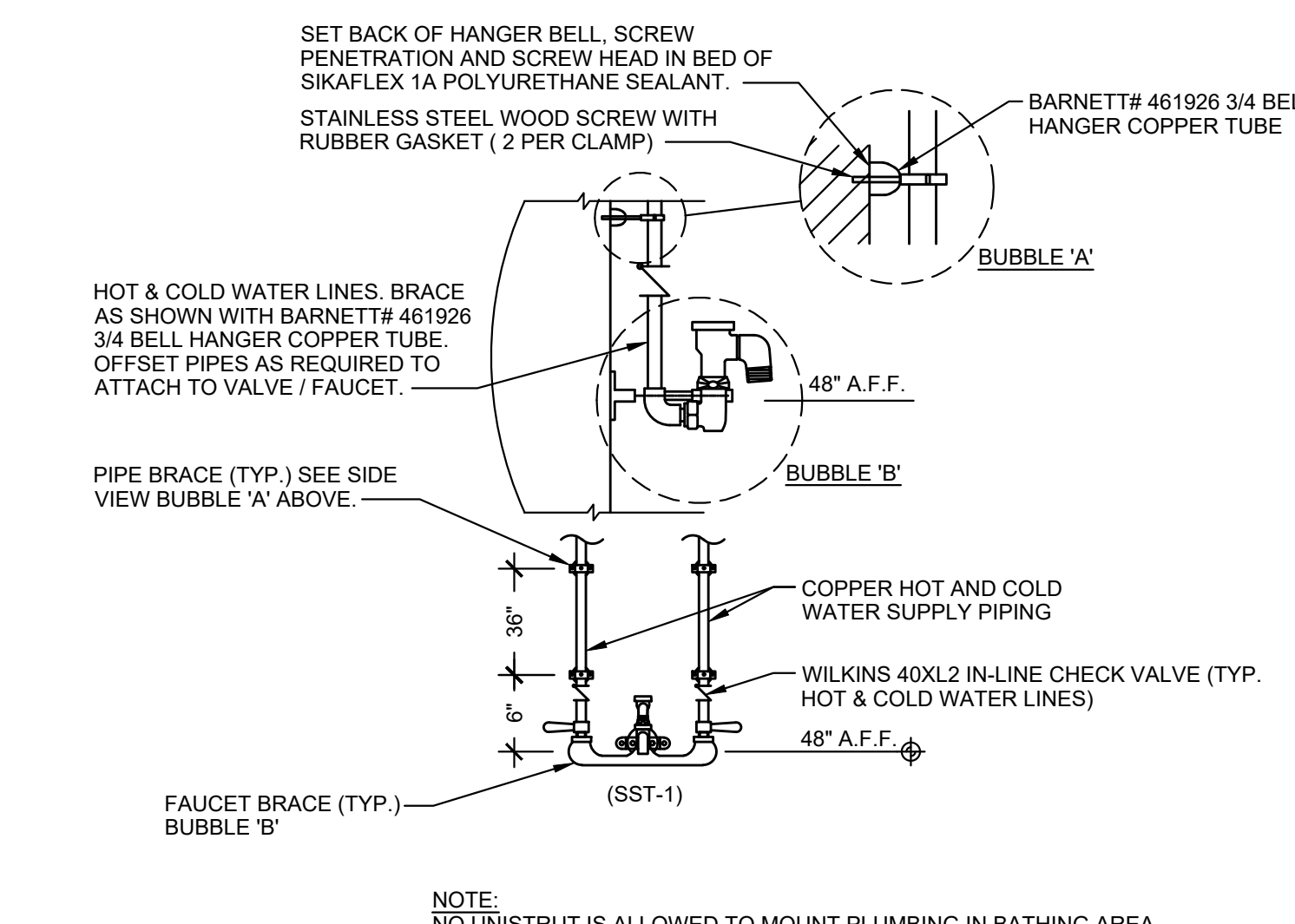
16 SCAVENGER VACUUM BOX
P2.0 SCALE: N.T.S.



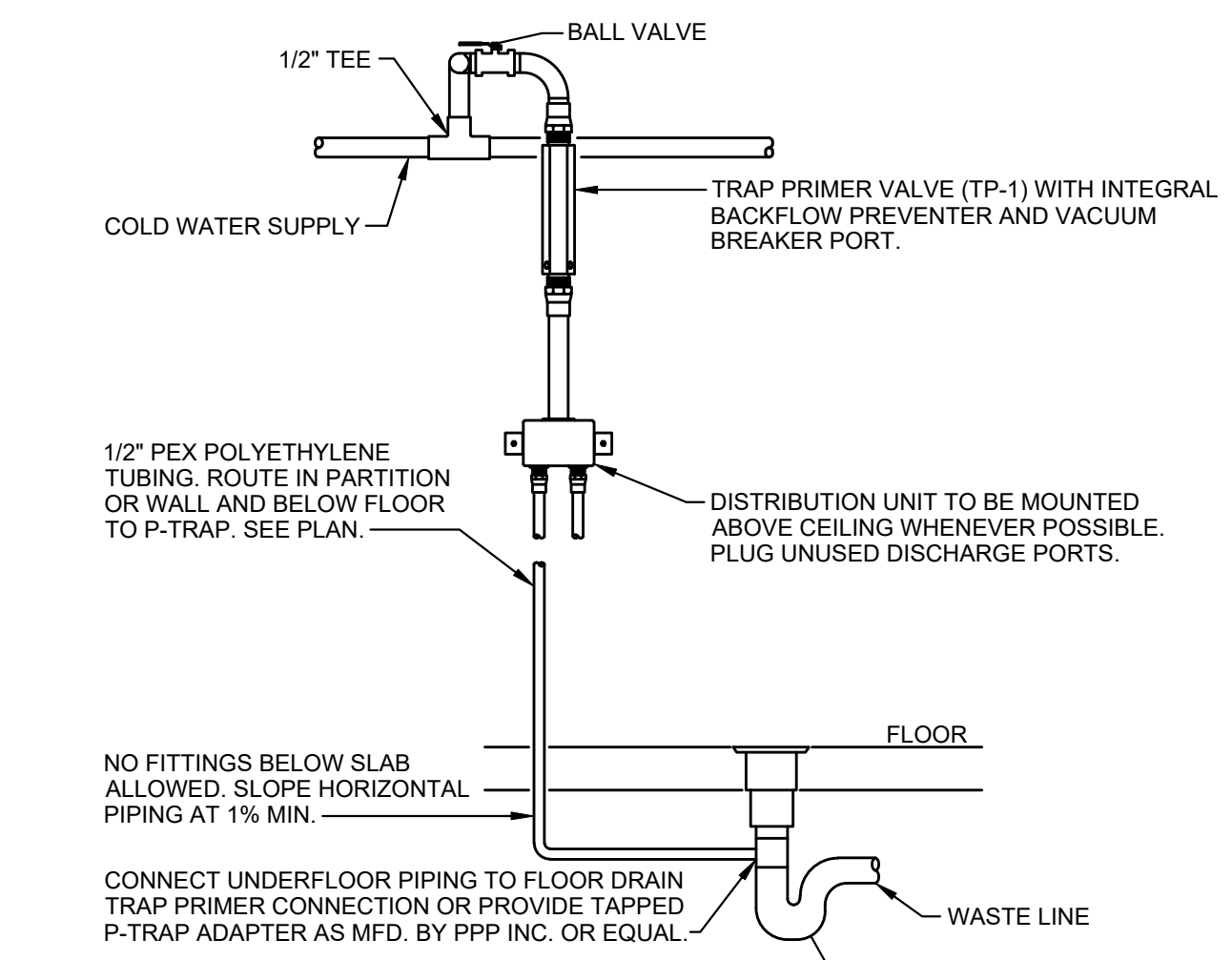
15 DOWNSPOUT SHOE INSTALLATION
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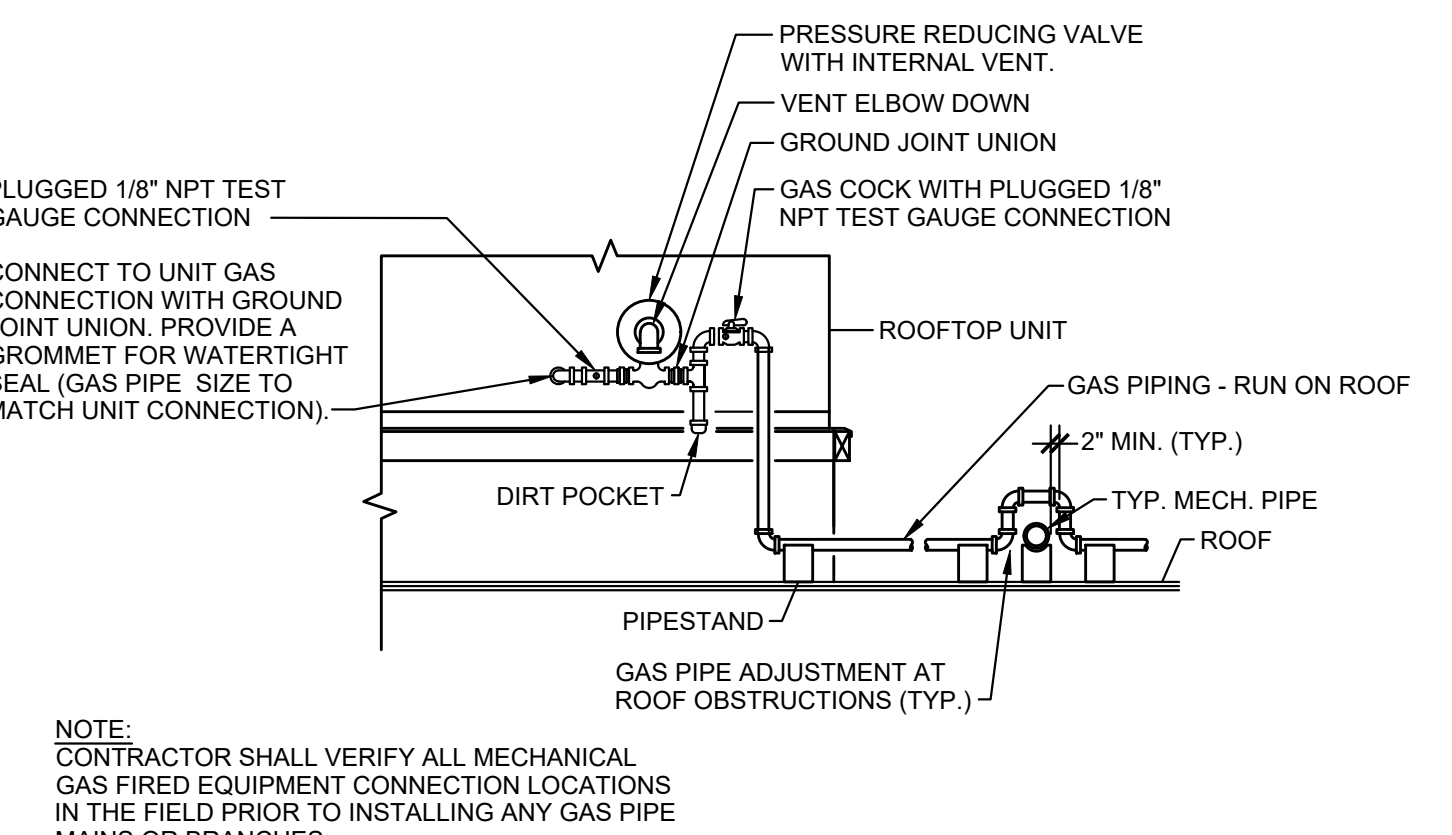
14 HAIR TRAP INSTALLATION
P2.0 SCALE: N.T.S.



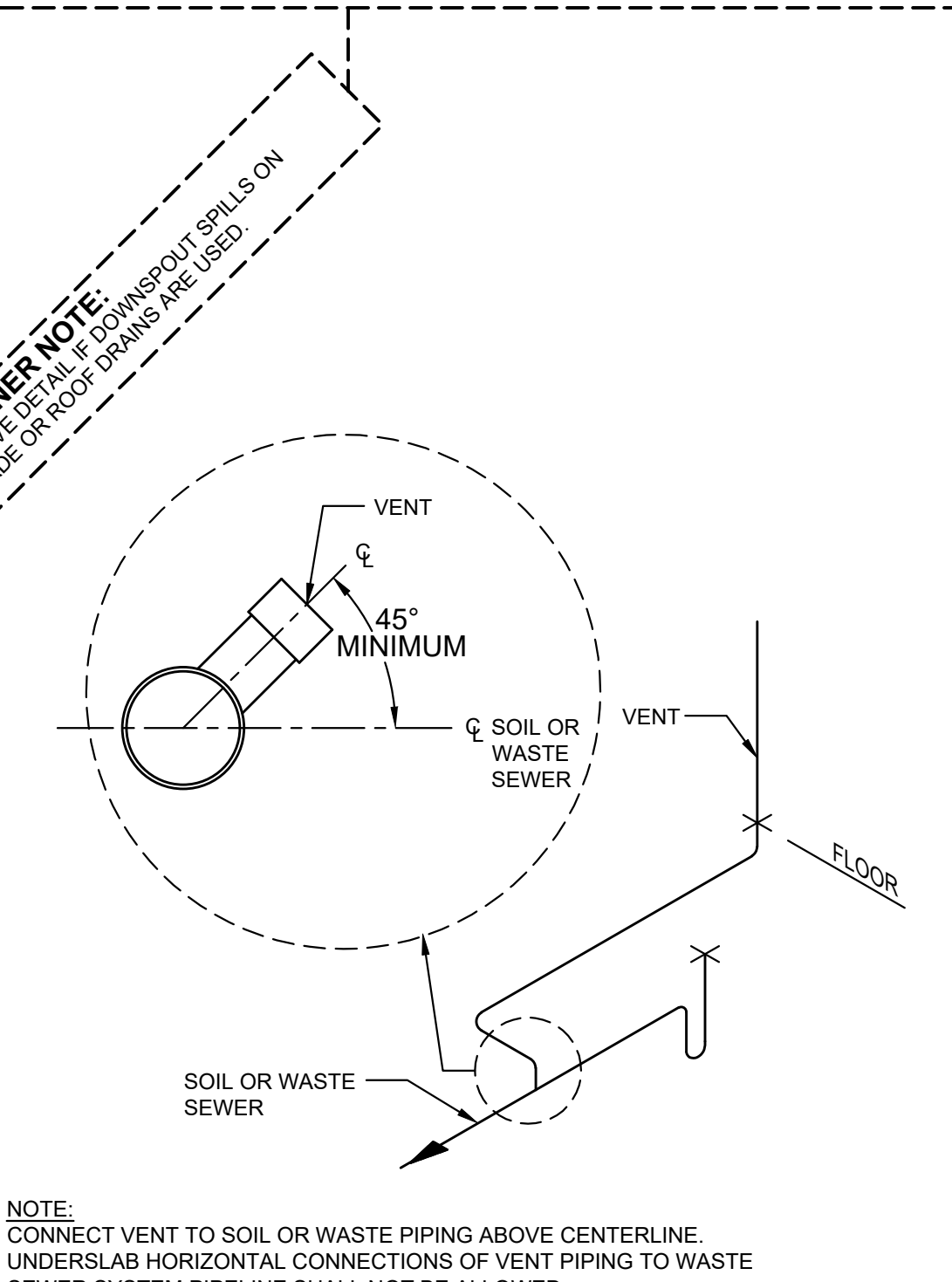
13 BATHING FAUCET INSTALLATION (SST-1)
P2.0 SCALE: N.T.S.



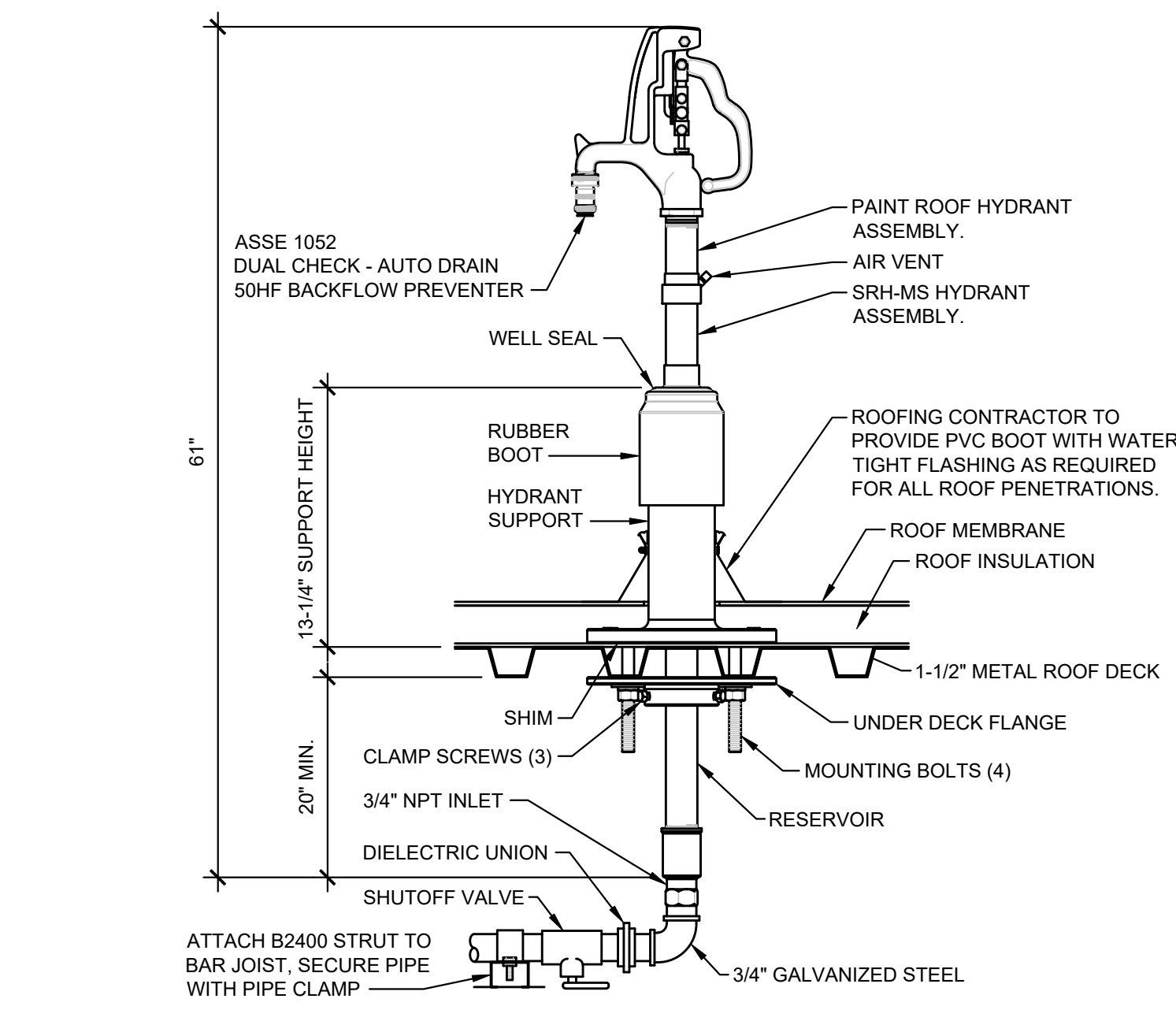
12 TRAP PRIMER INSTALLATION (TP-1)
P2.0 SCALE: N.T.S.



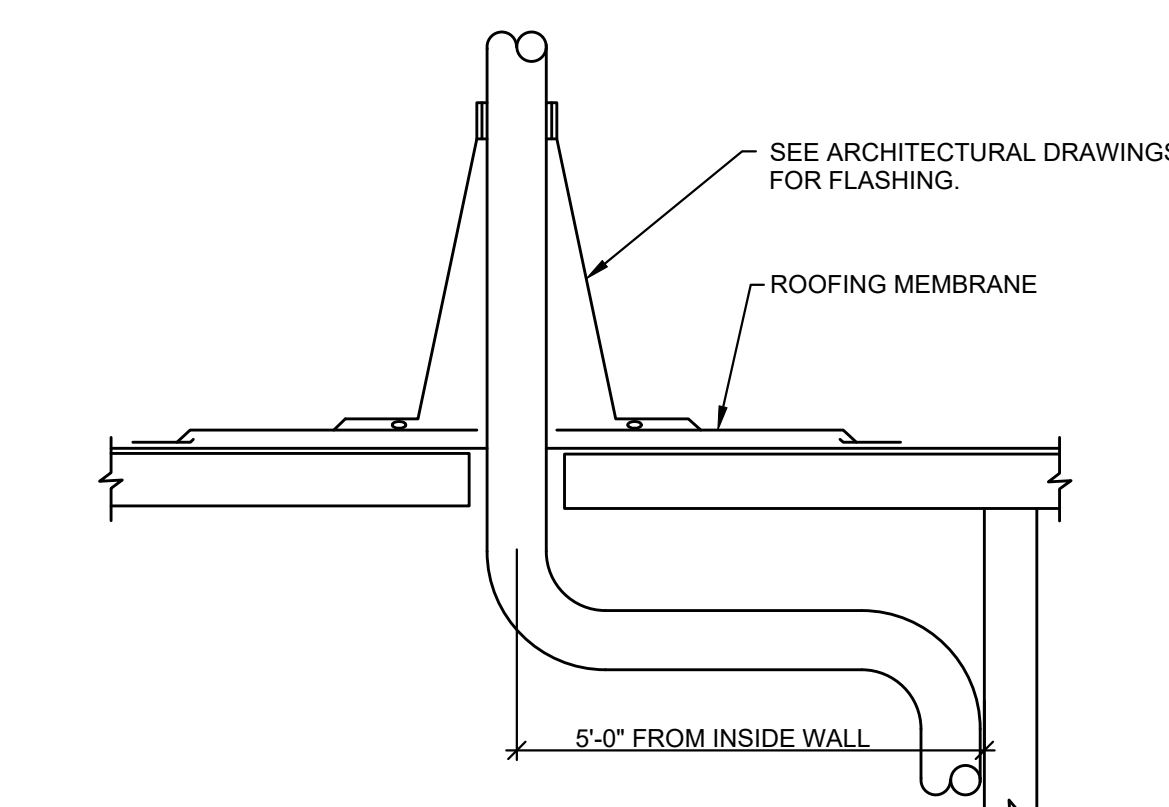
11 TYPICAL RTU GAS PIPING CONNECTION
P2.0 SCALE: N.T.S.



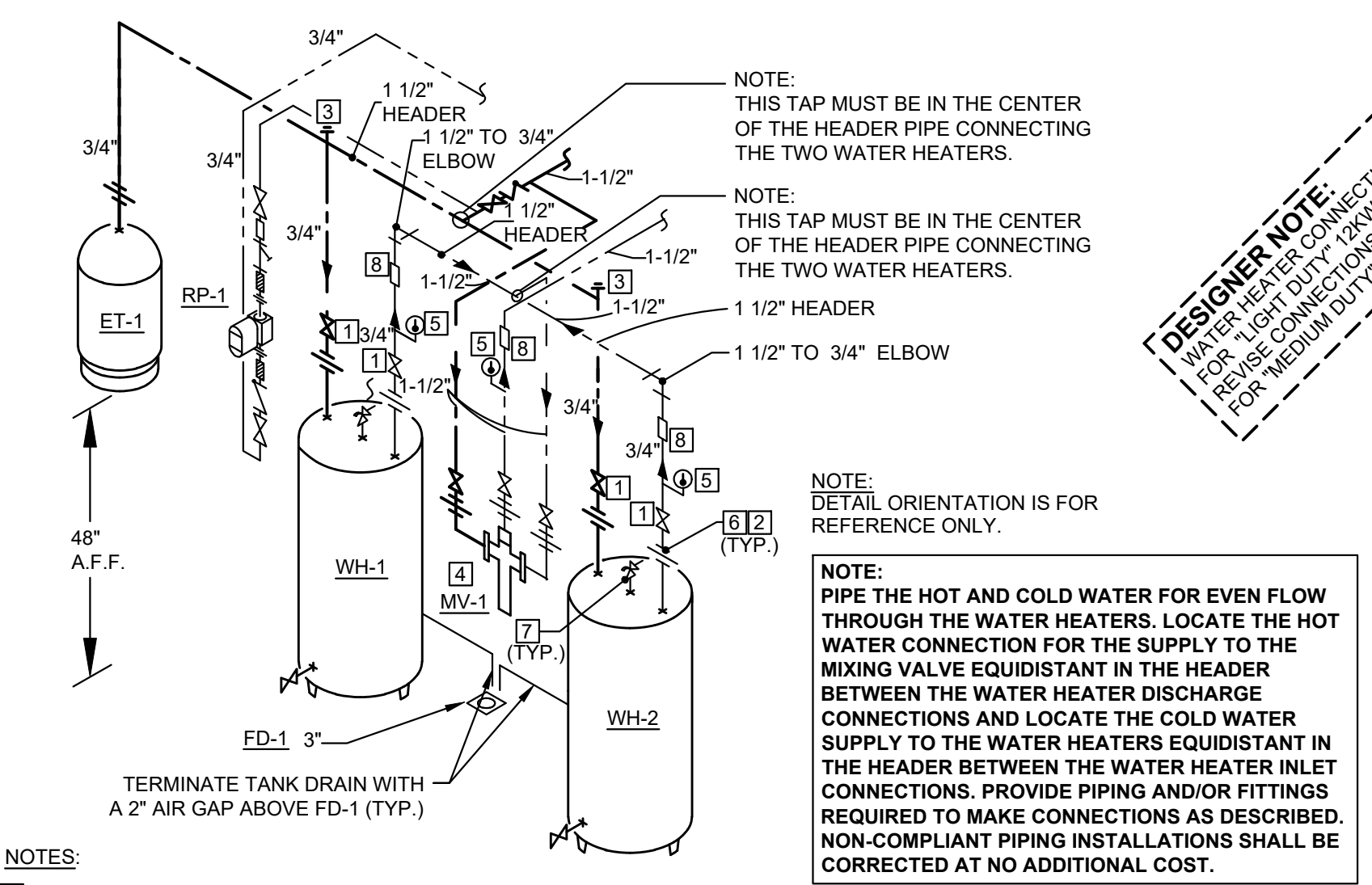
10 VENT PIPING INSTALLATION
P2.0 SCALE: N.T.S.



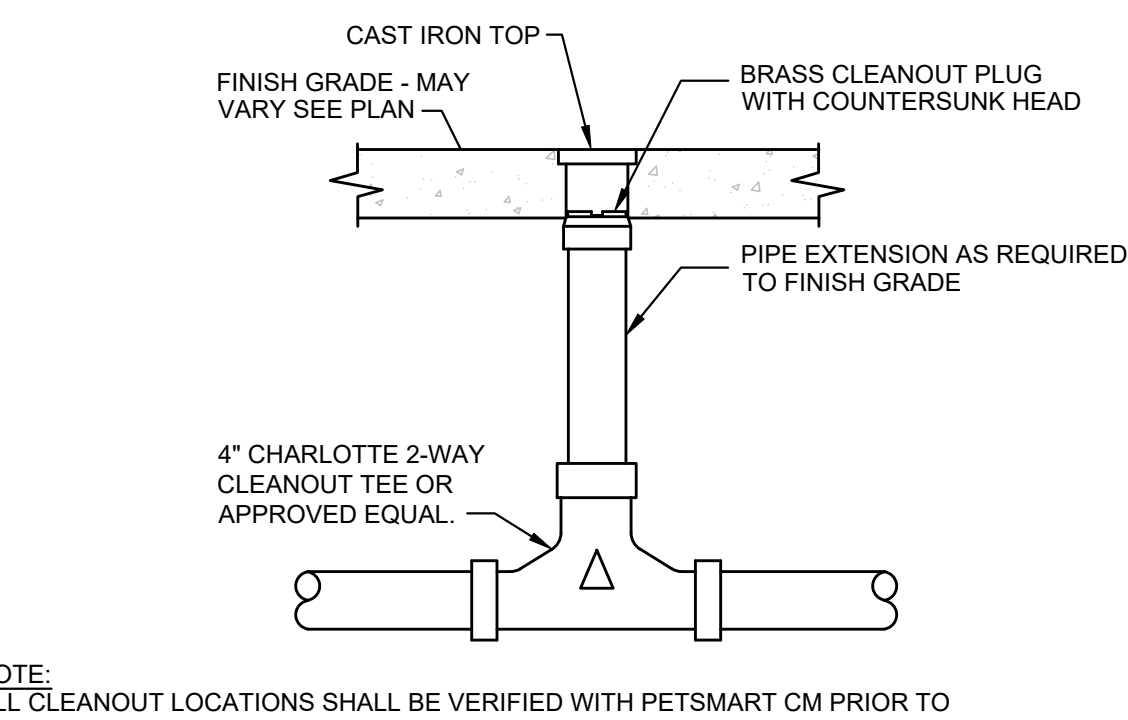
9 ROOF HYDRANT INSTALLATION (RH-1)
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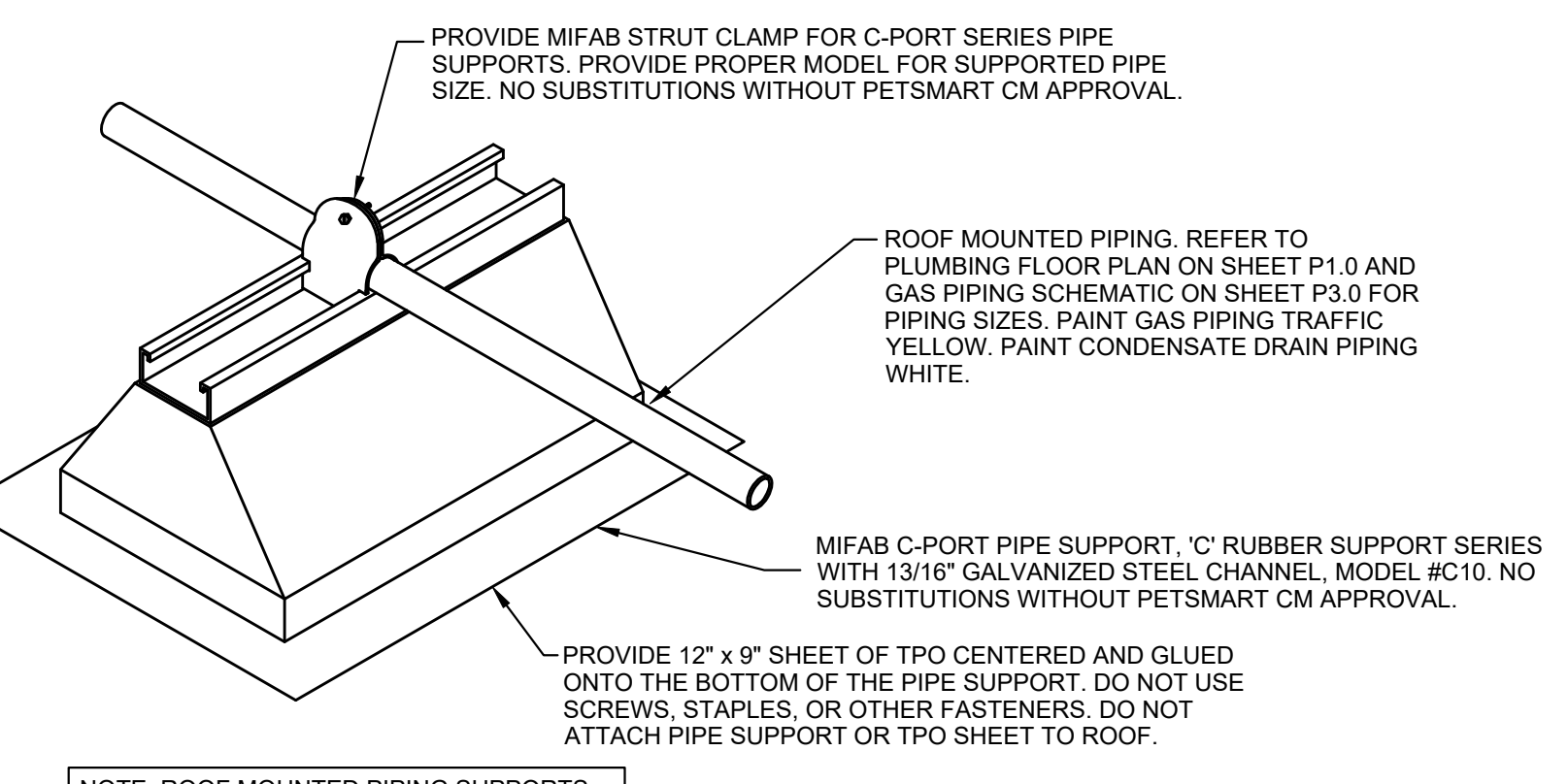
8 TYPICAL VENT THRU ROOF
P2.0 SCALE: N.T.S.



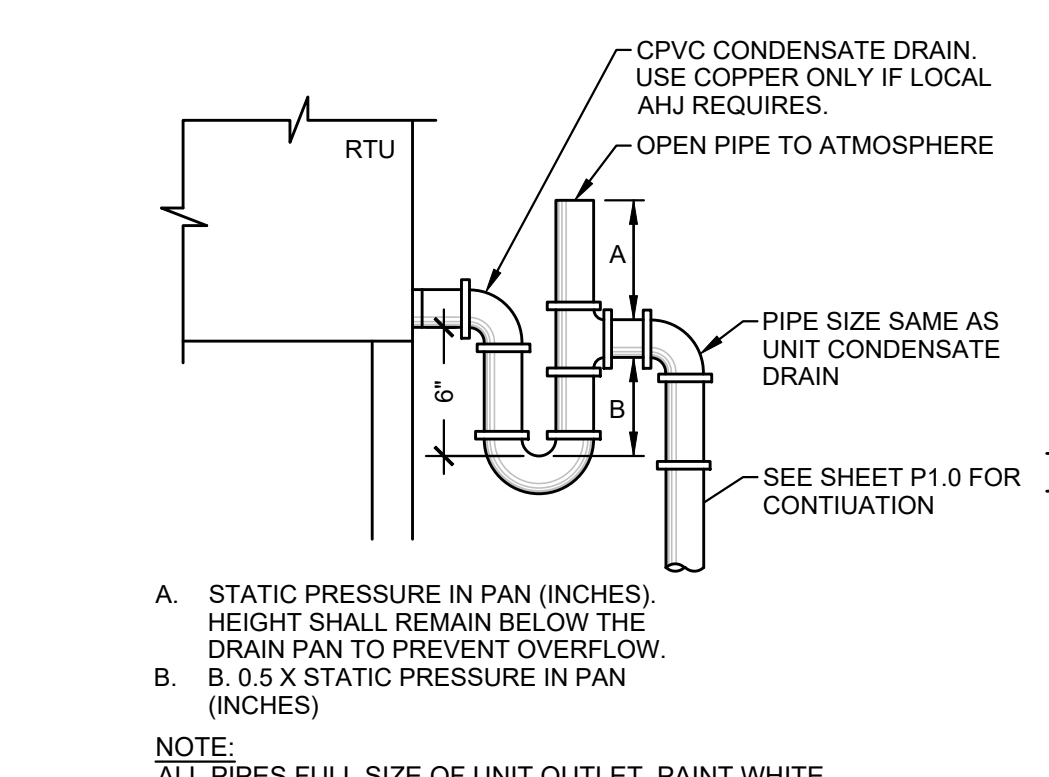
7 WATER HEATER INSTALLATION (WH-1 & 2)
P2.0 SCALE: N.T.S.



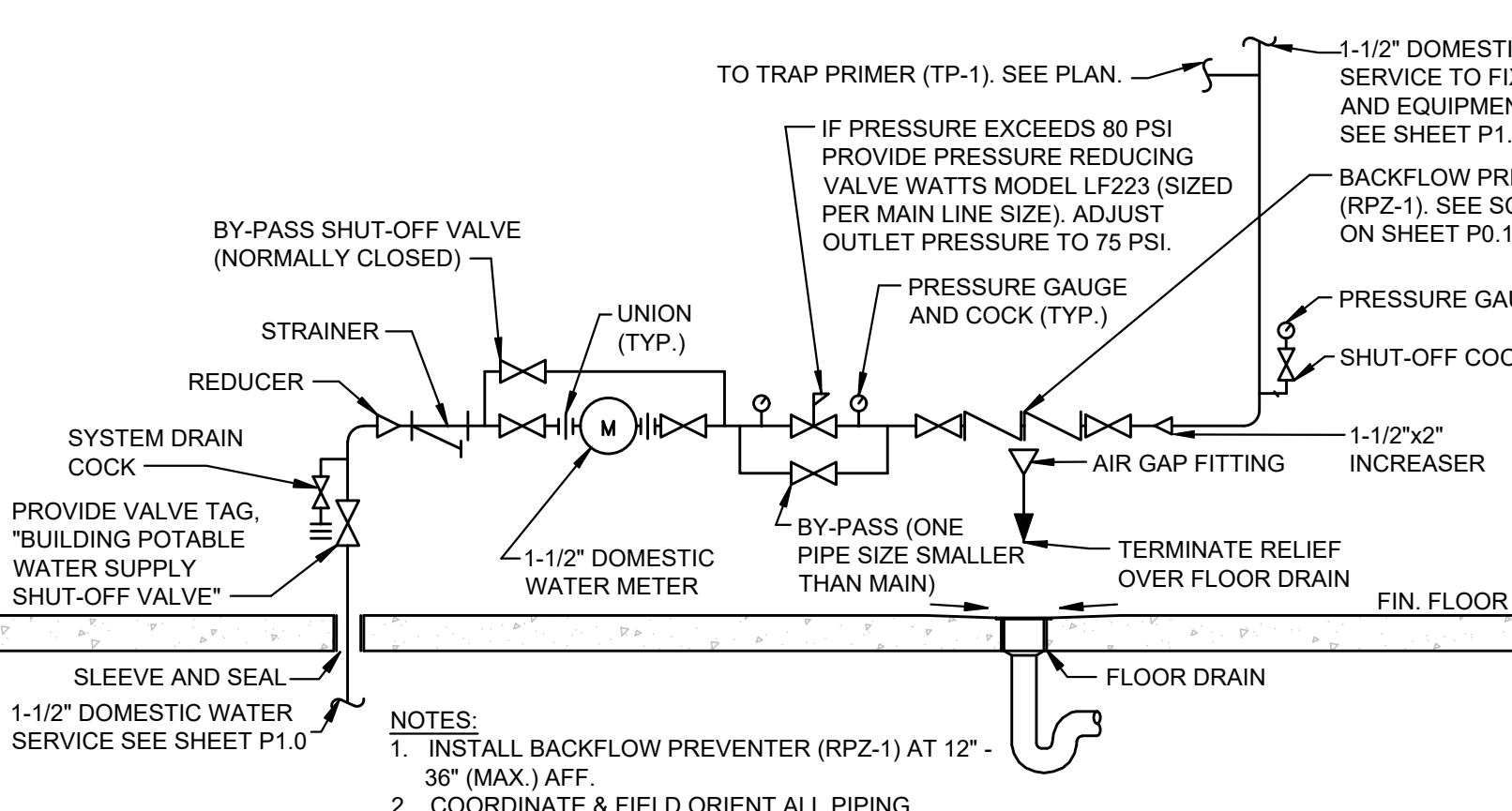
6 TYPICAL TWO-WAY CLEANOUT
P2.0 SCALE: N.T.S.



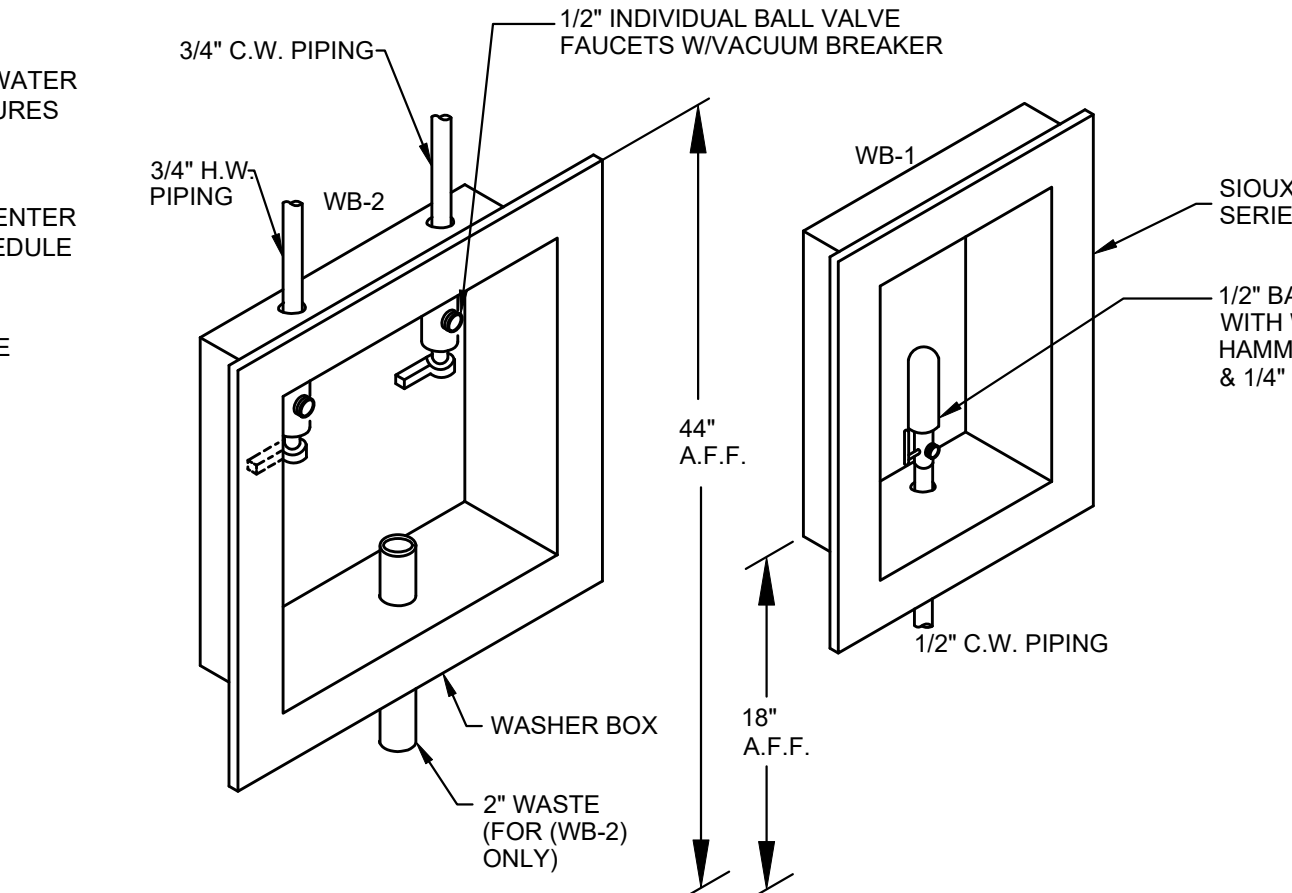
5 TYPICAL ROOF MOUNTED PIPING SUPPORT
P2.0 SCALE: N.T.S.



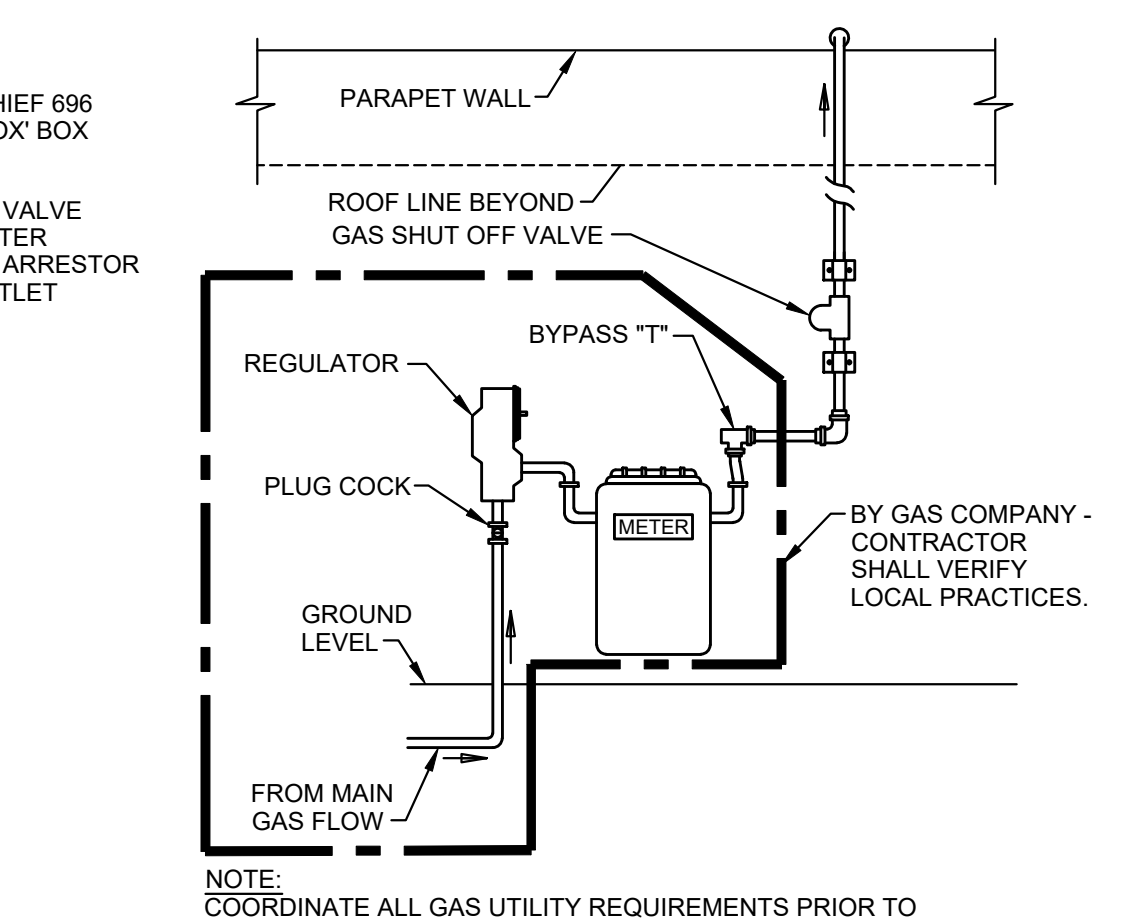
4 TYPICAL RTU CONDENSATE PIPING
P2.0 SCALE: N.T.S.



3 DOMESTIC WATER SERVICE ENTRANCE
P2.0 SCALE: N.T.S.



2 WATER SUPPLY BOX (WB-1+WB-2)
P2.0 SCALE: N.T.S.



1 TYPICAL GAS METER PIPING
P2.0 SCALE: N.T.S.

19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100

TENANT:

PROJECT:

ARCHITECT:

CONSULTANT:

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CITY SEAL:

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18K 2025 U.S. VET SERVICES INSTRUCTION SET

FEBRUARY 12, 2025

18K 2025 US INSTRUCTION SET

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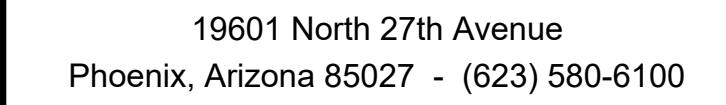
01 OF 56

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P2.0

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FEBRUARY 12, 2025

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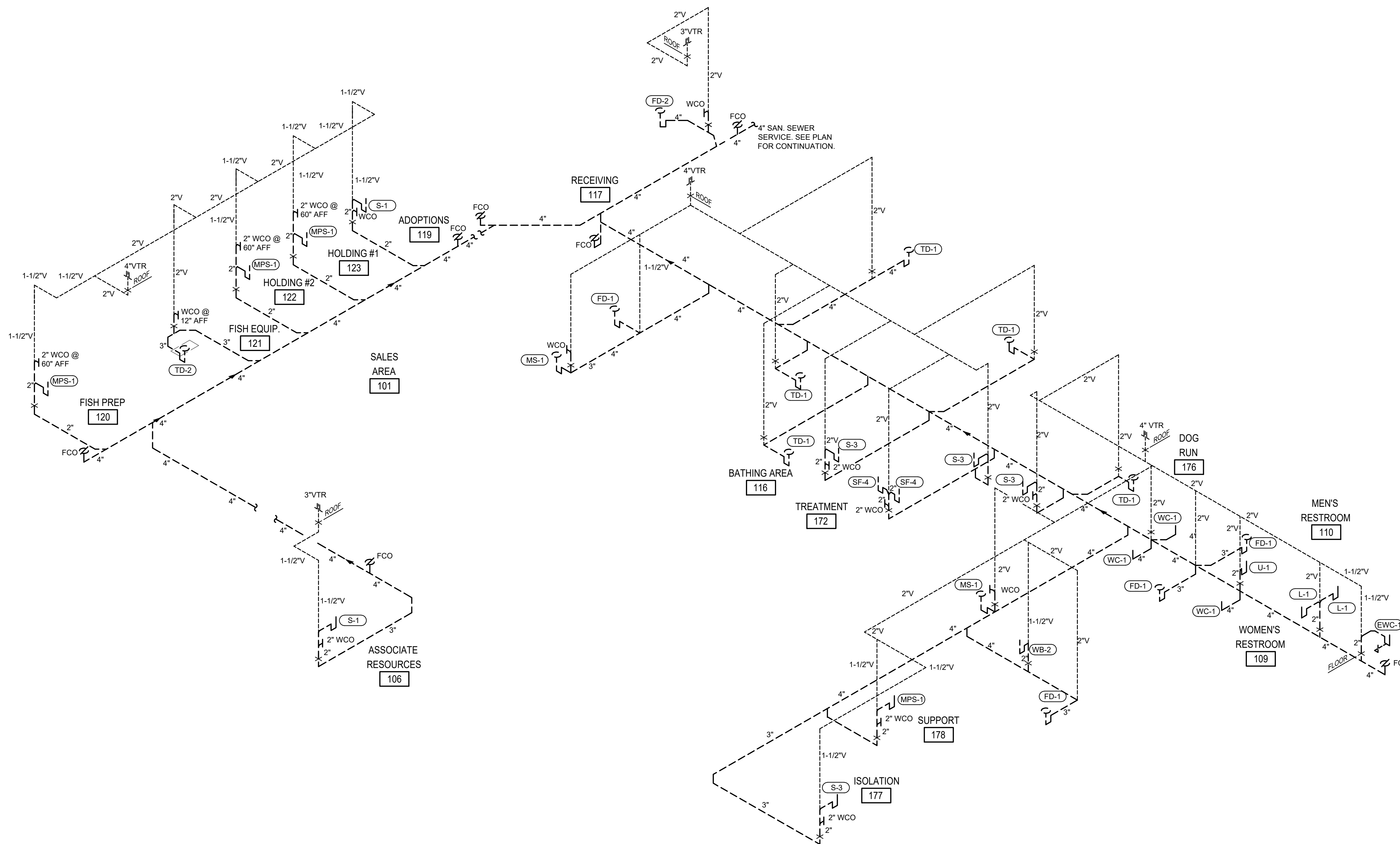
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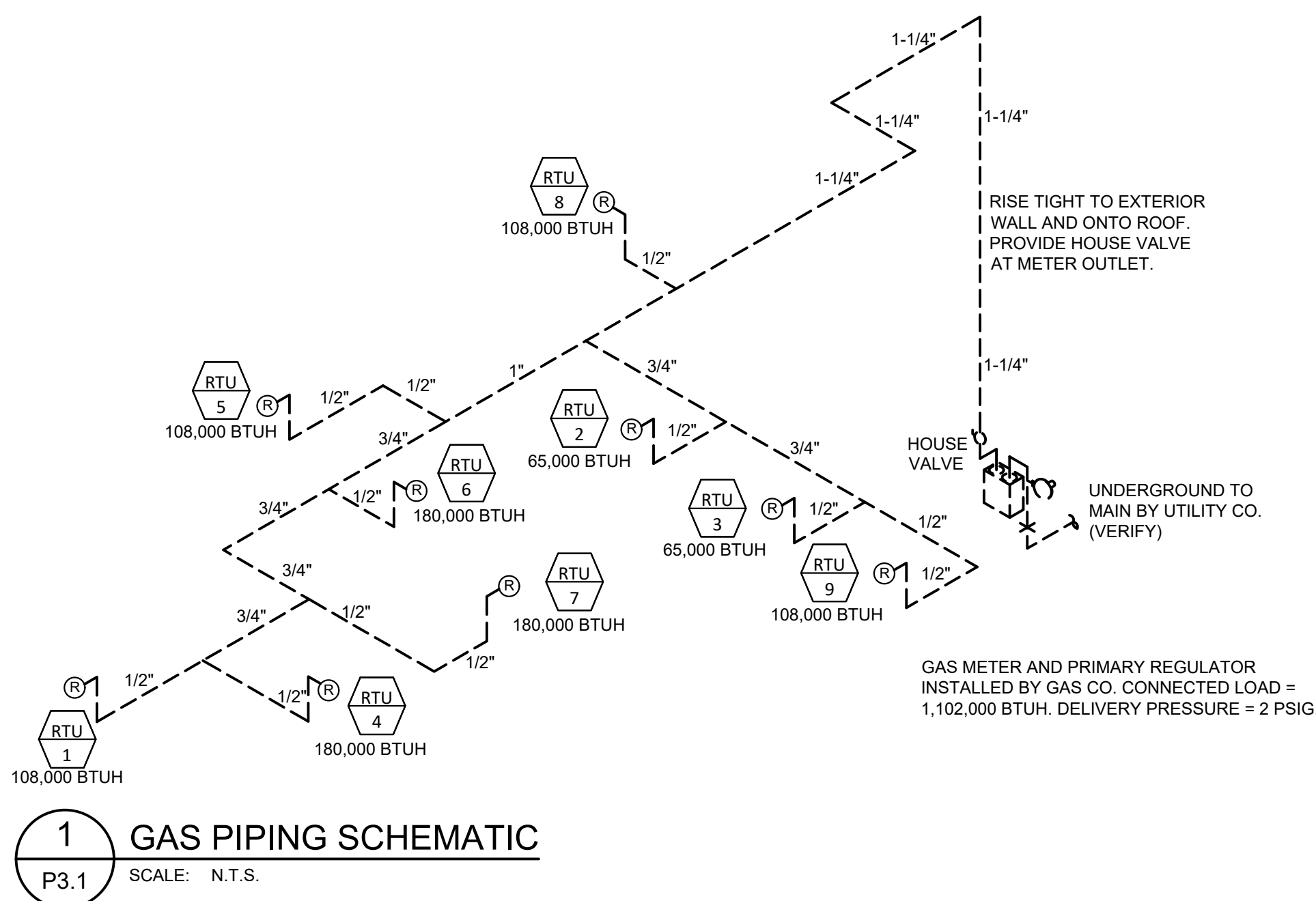
P3.1



WASTE/VENT PIPING NOTES:

1. PLUMBING CONTRACTOR SHALL INSTALL A CLEANOUT WHERE SHOWN ON PLAN AT EVERY SINK. COORDINATE LOCATION OF ALL WALL AND FLOOR CLEANOUTS WITH PETS EQUIPMENT LOCATION TO HAVE THEM AVAILABLE FOR MAINTENANCE PURPOSES.
2. UNDERSLAB HORIZONTAL CONNECTIONS OF VENT PIPING TO WASTE SEWER SYSTEM PIPELINE SHALL NOT BE ALLOWED. CONTRACTOR SHALL INSTALL WASTE AND VENT PIPING AS REQUIRED PER APPLICABLE CODES.
3. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF VENTS THRU ROOF WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.

2 WASTE AND VENT PIPING SCHEMATIC



GAS PIPING NOTES:
 1. PIPING IS SIZED PER THE 2018 INTERNATIONAL FLUE GAS CODE, TABLE 402.4.5, 4.0 METALLIC PIPE, NATURAL GAS, 3.0 PSI INLET PRESSURE, 1.0 PSI WORKING PRESSURE, 0.50 SPECIFIC GRAVITY, TOTAL GAS DEMAND = 1,192,800 BTU/H, 2.00 FT. TOTAL DEVELOPED LENGTH, 2.00 FEET.
 2. THE CONTRACTOR SHALL VERIFY THE EXACT GAS DELIVERY PRESSURE AT THE CUSTOMER SIDE OF THE METER PRIOR TO BID. THE CONTRACTOR SHALL APPLY FOR GAS SERVICE AND SHALL COORDINATE GAS SERVICE IN A TIMELY MANNER. IF THE DELIVERY PRESSURE IS HIGHER OR LOWER THAN THE GAS PRESSURE USED TO SIZE THE GAS PIPING AS NOTED ABOVE, THE CONTRACTOR SHALL CONTACT THE PROFESSIONAL OF RECORD FOR THE GAS SERVICE AND FOR PROFESSIONAL REVIEW. IF THE RECORD IS NOT CONTACTED, IT IS ASSUMED THAT THE GAS PRESSURE IS VERIFIED AND IS ADEQUATE FOR THE SYSTEM DESIGNED ON THE DRAWINGS.

GAS PRESSURE REGULATOR SPECIFICATIONS

MANUFACTURER	MODEL #	SIZE	CFH CAPACITY	INLET PRESSURE	OUTLET PRESSURE	SPRING COLOR	SPRING RANGE	ORIFICE SIZE
ACTARIS	B-31R	3/4"x3/4"	UP TO 150	2 PSIG	7" W.C.	LIGHT GREEN	5.5° TO 8.0° W.C.	1/8"
ACTARIS	B-31R	3/4"x1"	150 TO 400	2 PSIG	7" W.C.	LIGHT GREEN	5.5° TO 8.0° W.C.	1/4"
ACTARIS	B-31R	1"x1"	400 TO 800	2 PSIG	7" W.C.	LIGHT GREEN	5.5° TO 8.0° W.C.	3/8"
ACTARIS	B-31R	1"x1-1/4"	800 TO 1100	2 PSIG	7" W.C.	LIGHT GREEN	5.5° TO 8.0° W.C.	1/2"
ACTARIS	B-34R	1-1/4"x1-1/4"	1100 TO 1900	2 PSIG	7" W.C.	GREEN	5.0° TO 8.5° W.C.	1/2"

1. REGULATORS ARE FULL CAPACITY INTERNAL RELIEF TYPE.
2. REGULATORS SHALL BE INSTALLED WITH THE RELIEF VENT IN THE DOWN FACING POSITION TO PREVENT THE ENTRANCE OF WATER. PROVIDE A SCREENED VENT ELBOW AS REQUIRED. THE VENT OPENING SHALL BE 12" MIN. ABOVE THE ROOF LEVEL.
3. PROVIDE A TAG ON THE REGULATOR THAT PROVIDES THE INLET AND OUTLET PRESSURE SETTINGS INFORMATION AND STATES "DO NOT REMOVE".

DESIGNER NOTE:
ADJUST GAS PIPING CODE AND SIZING
VARIABLES ON A PER PROJECT BASIS.

ELECTRICAL SYMBOLS LIST		ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT	
	• SINGLE RECEPTACLE: 20A HUBBELL HBL5361 W 18" TO CENTER UNO		• PANELBOARD - MOUNT AT 6'-6" TO TOP
	• DUPLEX RECEPTACLE: 20A HUBBELL HBL5362W (NEMA 5-20R) 18" TO CENTER UNO, WHITE		• H.P. RATED MANUAL MOTOR STARTER (WP WHERE OUTSIDE)
	• DUPLEX GFI RECEPTACLE: 20A HUBBELL GFR5362SGW 18" TO CENTER UNO, WHITE		• MOTORIZED DAMPER
	• FOURPLEX RECEPTACLE - (2) 20A DUPLEX 18" TO CENTER UNO		• SINGLE POLE SWITCH W/PILOT LIGHT AT 44" AFF OR AS NOTED. 20A, HUBBELL 1221-PLC/1221-PLC C7
	• FOURPLEX GFI RECEPTACLE - (2) 20A DUPLEX 18" TO CENTER UNO		• WATER FLOW SWITCH
	• WEATHERPROOF COVERS: FOR SINGLE RECEPTACLES, 'TAYMAC' MODEL NO. MM410C FOR DUPLEX RECEPTACLES, 'HUBBELL' MODEL NO. WP826MP		• TAMPER SWITCH
	• IG COMPUTER RECEPTACLE AT 18" AFF TO CENTER UNO, HUBBELL #IG5362 ORANGE		• DOOR CONTACT, SEE DETAIL 5/E3.0
	• SPECIAL RECEPTACLE AS NOTED ON DRAWINGS 18" TO CENTER UNO		• ABOVE FINISHED CEILING
	• DATA/TELEPHONE BOX & WHITE COVER PLATE AT 18" AFF TO CENTER UNO. PROVIDE 3/4" CONDUIT WITH PULL STRING TO 6" A.F.C.		• 34" PLYWOOD TELEPHONE MOUNTING BOARD WITH #6 CU. GROUND AND DEDICATED DUPLEX CONV ENIENCE RECEPTACLES AS SHOWN ON PLANS. FURNISH IN ACCORDANCE WITH TELCO REQUIREMENTS. SIZE AS NOTED
	• JUNCTION BOX IN ACCESSIBLE LOCATION		• WEATHERPROOF (RAIN TIGHT)
	• JUNCTION BOX MTD. IN JOIST AREA. CONDUITS CONNECTED BETWEEN SUCH BOXES SHALL BE ROUTED IN JOIST AREA		• SERVICE ENTRANCE SECTION
	• INDICATES CIRCUIT IN CONDUIT RUN BELOW SLAB		• ELECTRIC WATER COOLER
	• INDICATES CIRCUIT IN CONDUIT CONCEALED IN WALLS OR ABOVE CEILING		• UNLESS NOTED OTHERWISE
	• INDICATES HOMERUN TO PANELBOARD OR AS NOTED		• CONDUIT
	• EMS NATIONAL ACCOUNTS VENDOR PUSH-BUTTON OVERRIDE - FURNISHED BY EMS NATIONAL ACCOUNTS VENDOR, INSTALLED & WIRED BY EC		• EXHAUST FAN - 120V. UNLESS OTHERWISE NOTED
	• LAY-IN SPEAKER - REFER TO 1/EDC AND EDC SYMBOLS LISTS FOR FURTHER INFORMATION. NO CONDUIT STUD NEEDED		• GROUND FAULT CIRCUIT INTERRUPTER
	• ONE-WAY FLEX HORN - REFER TO 1/EDC AND EDC SYMBOLS LISTS FOR FURTHER INFORMATION. NO CONDUIT STUD NEEDED		• ISOLATED GROUND
	• PENDANT MOUNTED SPEAKER - REFER TO 1/EDC AND EDC SYMBOLS LISTS FOR FURTHER INFORMATION. NO CONDUIT STUD NEEDED		• SPRINKLER ALARM CONTROL PANEL
	• DOOR BUZZER EDWARDS #1065-G5, 24V, 6 WATT, WITH LOUVERED COVER PLATE		• SENSOR - SEE MECHANICAL & ELECTRICAL SHEETS FOR EXACT LOCATIONS. SENSORS (GENERAL) AT 90" AFF TO CENTER UNO.
	• DOOR HORN EDWARDS #867AQ, 24V, 4.8 WATT		• COMBINATION TEMPERATURE / HUMIDITY SENSOR - SEE MECHANICAL PLANS. SENSORS (GENERAL) AT 90" AFF - UNO.
	• PUSH-BUTTON - LOW VOLTAGE (24V OLT, 10.0 AMP AC, 4.0 AMP DC) AT VESTIBULE PROVIDE - EDWARDS #690-W - FLUSH MOUNT WITH SNAP FIT MOUNTING, INSTALLED AT 44" A.F.F. AT RECEIVING PROVIDE - EDWARDS #691-W - FLUSH MOUNT WITH LOCKNUT FIT MOUNTING, INSTALLED AT 54" A.F.F.		• ADJUSTABLE THERMOSTAT - SEE MECHANICAL PLAN FOR EXACT LOCATIONS. SENSORS (GENERAL) AT 90" AFF TO CENTER UNO.
	• CONDUIT TURNING DOWN		• EMS TEMPERATURE SENSOR
	• CONDUIT TURNING UP		• CO2 SENSOR - SEE MECHANICAL & ELECTRICAL SHEETS FOR EXACT LOCATIONS - AT 54" AFF TO CENTER UNO.
	• VOLUME CONTROL BY OTHERS - PROVIDE SINGLE GANG BOX AT 42" AFF UNO AND 1/2" CONDUIT TO CEILING SPACE		• EMS NATIONAL ACCOUNTS VENDOR HUMIDITY SENSOR - SEE MECHANICAL PLAN FOR EXACT LOCATION. SENSORS (GENERAL) AT 90" AFF TO CENTER UNO.
	• MOTOR - SIZE AS INDICATED ON DRAWINGS		• EMS NATIONAL ACCOUNTS VENDOR TEMPERATURE SENSOR - SEE MECHANICAL PLAN FOR EXACT LOCATION. SENSORS (GENERAL) AT 90" AFF - UNO.
	• DISCONNECT SWITCH - SIZE AND FUSES AS PER MANUFACTURER'S RECOMMENDATIONS (WP WHERE OUTSIDE)		• DUCT SMOKE DETECTOR
			• MOTOR CONTROLLER - PROVIDED BY EC - SIZE AS NOTED
			• MOTOR CONTROLLER - FURNISHED WITH MOTOR

LIGHTING SYMBOLS

ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT

	• 4 1/2" x 49" TYPE 'A4' LED LIGHT.
	• 4 1/2" x 97" TYPE 'A8' LED LIGHT.
	• 24" x 24" LED LIGHT.
	• 24" x 24" NIGHT LED LIGHT.
	• 48" LINEAR WALL MOUNTED LED LIGHT.
	• EXTERIOR RECESSED LED DOWN LIGHT.
	• EXTERIOR WALL MOUNTED FIXTURE.
	• SURGERY AND TREATMENT LIGHT.
	• EXIT SIGNS (PENDANT MOUNTED).
	• EXIT SIGNS (WALL / BULKHEAD MOUNTED).
	• TWO-HEAD EMERGENCY FIXTURE.
	• MOUNT TO STRUCTURE (UNDERSIDE OF JOIST) IN SALES & RECEIVING. CEILING MOUNT IN ROOMS WITH LAY-IN CEILINGS.
	• TWO-HEADED EMERGENCY EGRESS FIXTURE.
	• EMERGENCY EGRESS FIXTURE BATTERY UNIT.
	• SINGLE POLE TOGGLE SWITCH MOUNTED AT 42" A.F.F. TO CENTER OR AS NOTED HUBBELL #1221, 20A, 120/277V. (WHITE).
	• SINGLE POLE DIMMER SWITCH MOUNTED AT 42" A.F.F. TO CENTER OR AS NOTED LUTRA #DSTV-100/STV-WH, SA, 120/277V. (WHITE). PROVIDE PURPLE AND GRAY WIRES TO LIGHTS CONTROLLED.
	• THREE WAY TOGGLE SWITCH MOUNTED AT 42" A.F.F. TO CENTER OR AS NOTED HUBBELL #1223, 20A, 120/277V. (WHITE).
	• CEILING MOUNT SENSOR - "SENSOR SWITCH" MODEL #OAC-DT, LINE VOLTAGE - MICROSET DUAL TECH
	• NIGHT LIGHT WIRED TO AN UNSWITCHED CIRCUIT.
	• NIGHT LIGHT WIRED TO AN UNSWITCHED CIRCUIT.

ALL WALL DEVICES (RECEPTACLES, SWITCHES, DATA OUTLETS, ETC) AND COVER PLATES TO BE WHITE, EXCEPT:

- RECEIVING - ROOM 117, MECHANICAL ROOMS, AND SIMILAR AREAS WITH EXPOSED CONDUIT TO HAVE GALVANIZED STEEL COVER PLATES.
- IG RECEPTACLES TO BE ORANGE.

3. THE INTEGRATED POWER CENTER (IPC) SHALL BE DELIVERED IN TWO (2) SHIPPING SPLITS, SEE ELEVATION 663.0 FOR ADDITIONAL INFORMATION. INSURE THAT ALL INTERNAL CONDUITORS ARE TESTED AND PROPERLY CONNECTED. CABINET SECTIONS FOR A COMPLETE INSTALLATION. SEE NOTE 11 BELOW.
4. PROVIDE A MAXIMUM OF 10'-0" PRODUCT WAVE TO MEET THE FOOTPRINT REQUIREMENTS (INCLUDES N.E.C. CODE CLEARANCE).
5. TOP LIFT PROVISIONS FOR EASE OF LIFTING AND SETTING THE POWER CENTER (IPC) AGAINST BUILDING WALL. THE ESTIMATED INTEGRATED POWER CENTER (IPC) WEIGHT IS 900 LBS.
6. THE INTEGRATED POWER CENTER (IPC) WILL BE DELIVERED WITH THE TRANSFORMER LOOSE.
7. E.C. SHALL BE RESPONSIBLE FOR THE PURCHASE OF NATIONAL ACCOUNTS VENDORS INTEGRATED POWER CENTER (IPC) AND LOOSE TOOLS. E.C. SHALL PROVIDE IN SCHEDULE ORDER TO NATIONAL ACCOUNTS VENDOR A MINIMUM OF 8 WEEKS PRIOR TO DELIVERY REQUIREMENTS (TO GUARANTEE A MANUFACTURING SPLIT IN THE SCHEDULE TO MEET REQUESTED DELIVER DATE). CONTACT NATIONAL ACCOUNTS VENDOR TO OBTAIN ORDERING, DELIVERY, AND PRODUCT COORDINATION REQUIREMENTS. SEE SHEET F2.0 FOR NATIONAL ACCOUNT VENDORS CONTACT INFORMATION. NOTE: CONTACT NATIONAL ACCOUNTS VENDOR 2 WEEKS PRIOR TO DELIVERY TO OBTAIN DELIVERY AND PRODUCT COORDINATION REQUIREMENTS. (FINAL EQUIPMENT LOCATIONS - STUB-UP COORDINATION).
8. E.C. RESPONSIBLE TO RE-TORQUE ALL PRE-WIRED FEEDER (BARN CIRCUIT TERMINATIONS) UPON DELIVERY OF THE INTEGRATED POWER CENTER (IPC).
9. E.C. RESPONSIBLE FOR OFF LOADING AND SETTING THE PREASSEMBLED INTEGRATED POWER CENTER (IPC) WHEN IT ARRIVES ON SITE.
10. IT IS THE E.C.'S RESPONSIBILITY TO OBTAIN QUOTES FROM NATIONAL ACCOUNT VENDOR(S).
11. E.C. IS RESPONSIBLE TO OBTAIN NATIONAL ACCOUNTS VENDOR A 6 WEEK PRIOR TO DELIVERY TO OBTAIN ORDERING, ON-SITE DATE. SEE CONTACT INFORMATION FURNISHED IN #5 ABOVE.
12. E.C. IS TO CONTACT NATIONAL ACCOUNTS VENDOR TO OBTAIN SITE SPECIFIC DRAWINGS. DRAWINGS IN THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. NATIONAL ACCOUNTS VENDOR WILL PROVIDE A SET OF SPECIFIC DRAWINGS TO THE E.C. SO ACCURATE COORDINATION, ROUGH-IN COORDINATION CAN BE COMPLETED.
13. IT IS THE RESPONSIBILITY OF THE E.C. TO DETERMINE IF AN EXTERIOR MEANS OF DISCONNECT IS REQUIRED. IF SO, PLEASE REFER TO THE OPTIONS SECTION IN THE NATIONAL ACCOUNTS VENDOR PRICE BOOK. THE PRICE ABOVE IS FOR A SHUNT TRIP OR FUSIBLE DISCONNECT.

1. ALL LED AND/OR FLUORESCENT LAMPS NOT INCLUDED WITH FIXTURES ARE FURNISHED BY THE GENERAL CONTRACTOR THROUGH NATIONAL ACCOUNT VENDOR. 2. PROVIDE FIXTURE SAFETY CHAINS WHERE REQUIRED. 3. ALL LAY-IN FIXTURES SHALL BE FURNISHED WITH "FIXTURE SUPPORT CLIPS" PER NEC SECTION 410. 4. OFFSET LIGHT FIXTURES AS NEEDED TO CLEAR STRUCTURAL BRIDGING ACROSS STORE. 5. ALL LIGHT SWITCHES SHALL BE LOCATED AS CLOSE AS POSSIBLE TO ADJACENT DOOR FRAMES AT A.D.A. HEIGHTS. COORDINATE LOCATIONS WITH ALL FIXTURES/EQUIPMENT. 6. ALL LIGHTING SHALL BE CIRCUITED AS SHOWN TO ALLOW MULTI-LEVEL SWITCHING FOR ENERGY MANAGEMENT CONTROL. SEE SHEET EM2. 7. CONDUIT AND PIPING SHALL BE ROUTED PARALLEL WITH WALLS IN MAIN SALS AND RECEIVING. RUNS SHALL BE GROUPED TOGETHER WHERE PRACTICAL & HOLD AS HIGH AS POSSIBLE AND SUSPEND TIGHT TO UNDERSIDE OF THE TOP CORO OF JOIST. ENTIRE INSTALLATION SHALL BE INSTALLED PER THE NEW YORK CITY ELECTRICAL CODE. 8. PROVIDE ZERO DEGREE BALLASTS FOR FIXTURES LOCATED OUTSIDE. 9. ALL ELECTRICAL CONDUITS/WIRING MUST RUN OVERHEAD (UNO) UNLESS REQUIRED TO RUN UNDERGROUND. ANY EXCEPTIONS MUST BE APPROVED BY PETSMAST CONSTRUCTION MANAGER. 10. SNAP SWITCHES THAT ARE GROUPED OR GANGED IN AN ENCLOSURE WITH OTHER SNAP SWITCHES OR SIMILAR DEVICES THAT THE VOLTAGE BETWEEN THE ADJACENT DEVICES EXCEEDS 300 VOLTS, MUST HAVE A PERMANENT BARRIER INSTALLED BETWEEN THE ADJACENT DEVICES PER THE N.E.C. 11. GENERAL CONTRACTORS SHALL CONTACT NATIONAL ACCOUNT VENDOR FOR BID PRICING ON FIRE AND BURGLAR ALARM SYSTEMS - SEE SPECIFICATIONS. 12. PROVIDE (2) PULL STRINGS IN EACH EMPTY CONDUIT FOR DATA & PHONE BOXES.	13. REFER TO ENERGY MANAGEMENT SHEETS EM1 & EM2 FOR SENSOR MOUNTING. 14. SEE ARCHITECTURAL ELEVATION DRAWINGS FOR EXACT PLACEMENT OF OUTLETS. 15. E.C. TO VERIFY EXACT CONDUIT SIZE PRIOR TO ROUGH-IN OF BOXES FOR PHONE AND DATA. 16. WHERE CONDUITS, DEVICE BOXES, ETC. ARE SURFACE MOUNTED, SEAL ALL PENETRATIONS WITH SIKKA, SIKAFLEX 16 POLYURETHANE SEALANT. 17. ALL LIGHT FIXTURES DESIGNATED 'EM' OR 'NL' TO BE UNSWITCHED. UNO. 18. SEE SHEET ED 1 FOR ONE LINE DIAGRAM KEYED NOTES. 19. PROVIDE CONDUIT FOR LOW VOLTAGE WIRING WHEN REQUIRED BY CODE. TERMINATE PHONE & DATA WIRING AT PETSMAST SERVER LOCATION. 20. ALARM PACKAGE: THE ALARM PACKAGE WILL REQUIRE AN AVERAGE OF 15 CONDUIT DROPS WITH BOXES, AND 35 BACK BOXES (ONLY) FOR CEILING MOUNTED DEVICES - THIS IS SUBJECT TO CHANGE BASED ON LOCAL REQUIREMENTS AND FINAL STORE DESIGN. ALL CEILING MOUNTED ALARM & INTRUSION DEVICES WILL REQUIRE A BACK BOX PROVIDED BY THE E.C. ANY QUESTIONS, CONTACT NATIONAL ACCOUNT VENDOR - ADT COMMERCIAL (866) 238-6411. SEE ARCHITECTURAL DRAWING F2.0 PRODUCT SCHEDULE. 21. LED CIRCUIT: WHEN USING MULTI-BRANCH WIRE CIRCUITS WITH A SHARED NEUTRAL, DO NOT OPERATE ANY CIRCUIT WITH THE NEUTRAL OPEN. ALSO ENSURE ALL NEUTRAL CONNECTIONS ARE SECURE BEFORE ENERGIZING THE CIRCUIT. AN OPEN NEUTRAL CAN CAUSE AN OVERVOLTAGE CONDITION AT THE LUMINAIRE POWER SUPPLY. 22. E.C. IS RESPONSIBLE TO OBTAIN QUOTES FROM NATIONAL ACCOUNTS VENDOR.
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AMPS	FEEDER	GROUND	CONDUIT
15	#12	#12	3/4"
20	#12	#12	3/4"
25	#10	#10	3/4"
30	#10	#10	3/4"
35	#8	#10	3/4"
40	#8	#10	3/4"
45	#8	#10	3/4"
50	#8	#10	3/4"
60	#6	#10	3/4"
70	#4	#8	1"
80	#4	#8	1"
90	#3	#8	1-1/4"
100	#3	#8	1-1/4"

PROVIDE THE FOLLOWING QUANTITIES:

- 1 POLE CIRCUIT - 1 HOT, 1 NEUTRAL, 1 GROUND
- 2 POLE CIRCUIT - 2 HOT, 1 GROUND
- 3 POLE CIRCUIT - 3 HOT, 1 GROUND
- 1 POLE IG CIRCUIT - 1 HOT, 1 NEUTRAL, 1 GROUND, 1 ISOLATED GROUND.

P	FURNISHED BY NATIONAL ACCOUNTS VENDOR WITHIN THE INTEGRATED POWER CENTER WITH EQUIPMENT INSTALLED AND FACTORY WIRED. E. SHALL WALL MOUNT AND RE-TORQUE ALL CONNECTIONS.
E	PROVIDED BY ELECTRICAL CONTRACTOR.
PE	FURNISHED BY NATIONAL ACCOUNTS VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR.
EX	EXISTING TO REMAIN.
S	INSTALLED UNDER SHELL PORTION OF CONTRACT BY LANDLORD'S ELECTRICAL CONTRACTOR.

POWER COMPANY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH UTILITY COMPANY. VERIFY SERVICE FUSE AND DISCONNECT CIRCUIT BREAKER SUCH THAT THEIR A.I.C. RATING IS GREATER THAN AVAILABLE FAULT. SEE FAULT CALCULATION THIS SHEET.

PRIMARY SERVICE: CONDUIT SIZE PER UTILITY COMPANY PRIMARY FEED.

TRANSFORMER PAD: 6" MINIMUM CONCRETE, PER UTILITY COMPANY REQUIREMENTS.

400A ELECTRICAL SERVICE, TWO (2) SETS OF 3" C. WITH (4) 30 C (XHHW) PER UTILITY COMPANY REQUIREMENTS.

EXTERIOR C/T CABINET: PER UTILITY COMPANY REQUIREMENTS.

UTILITY COMPANY METER: PER UTILITY COMPANY REQUIREMENTS.

ENERGY MONITORING METER: SMARTCELL PHASE LOSS MONITOR KW PLUGGED INTO METER. PROVIDE CONDUIT OUTSIDE OF NATIONAL ACCOUNTS VENDOR IN INTEGRATED POWER CENTER (IPC) ENCLOSURE.

E.M.S. CONTROLLER, TO (E.M.S.) CONTROLLER. CONTRACTOR TO COORDINATE REQUIREMENTS WITH NATIONAL ACCOUNTS VENDOR.

MAIN BONDING JUMPER: #20 CU (VERIFY).

GROUND BOND: #20 CU BOND TO COLD WATER MAIN AND BUILDING STEEL. EXTEND SYSTEM GROUND TO SPRINKLER.

GROUNDING ROD: 3/4" DIA. X 30" LONG COPPER CLAD STEEL RODS 10' OF APART. PER N.E.C. 250.52 (3).

M.D.P. SEE MOP SCHEDULE.

PHASE LOSS MONITOR: PROVIDED BY NATIONAL ACCOUNTS VENDOR - INSTALLED WITHIN THE INTEGRATED POWER CENTER (IPC). (1) 2 CONDUCTOR 18 GA. TO EMS NATIONAL ACCOUNTS VENDOR 20' AWAY.

PHASE LOSS FEEDER: PROVIDE (3/16) 2 THIN CU. 1/2" TO PHASE LOSS MONITOR. SEE SHEET EMF FOR CONNECTION REQUIREMENT. CONDUCTOR LENGTH SHALL BE 12 MINIMUM.

100A "LB" FEEDER: (4) #6 (XHHW) CU. (1) #6 CU GROUND.

DISTRIBUTION TRANSFORMER: 150 KVA AT 120/208V EFFICIENT XFMR. PROVIDED BY NATIONAL ACCOUNTS VENDOR. 12000 VA CIRCUIT RISK.

TRANSFORMER GROUND: PROVIDE #20 CU GROUND TO BUILDING STEEL.

TRANSFORMER FEEDER: (3) #14 KCMIL (XHHW) CU. (1) #14 CU GROUND. IN 1/2" C. OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE.

200A "LB" FEEDER: (4) #30 (THW/THHN) CU. (1) #6 CU GROUND. (1) #6 ISOLATED GROUND. (N 1/2" C. OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

80A "LB" FEEDER: PROVIDE (4) #6 (XHHW) CU. (1) #6 CU GROUND. (1) #6 ISOLATED GROUND. (N 1/2" C. OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

SERVICE ENTRANCE DISCONNECT: PROVIDE SERVICE ENTRANCE RATED 400A 3P 480V - 480V VFD DISCONNECT WITH 400A LPS OR LPJ FUSES.

INTERSYSTEM GROUND BAR: PROVIDE INTERSYSTEM GROUND BAR PER N.E.C. 250.104 (1) AND 250.104 (2) FOR 12000 VA CIRCUIT RISK.

METER WIRING: SERVICE FEEDERS ROUTED THRU'S FOR SMARTCELL ENERGY MONITORING METER READINGS.

400A ELECTRICAL SERVICE FEEDER WITH GROUND: TWO (2) SETS OF (4) #30 CU (THW/THHN), ONE (1) #3 CU GROUND, IN TWO (2) 3" C. EACH.

ISOLATED GROUND: TERMINATE ISOLATED GROUND CONDUCTORS AT TRANSFORMER GROUND TAP.

200A "LB" FEEDER: (4) #30 (THW/THHN) CU. (1) #6 CU GROUND. (1) #6 ISOLATED GROUND. (N 1/2" C. OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

200A "EC" FEEDER: (4) #30 (THW/THHN) CU. (1) #6 CU GROUND. (1) #6 ISOLATED GROUND. (N 1/2" C. OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

E.M.S. EMANISMIC CONTROL EQUIPMENT FURNISHED, INSTALLED AND WIRED BY NATIONAL ACCOUNTS VENDOR. INTERNAL TO INTEGRATED POWER CENTER (IPC) EQUIPMENT TO INCLUDE: E.M.S. LIGHTING CONTROL, PUMP CONTROL, P.V.C. TRANSFORMERS, RELAYS&S&S, & COMPUTER SHUT. REFER TO ENERGY MANAGEMENT SYSTEM DRAWINGS EM1, EM2, & E2.1 FOR ADDITIONAL INFORMATION.

ACCESS BOX FOR FUTURE TEMPORARY GENERATOR: FOR TEMPORARY GENERATOR TO GENERATE TO THE MAIN BUS. PROVIDE (1) IN EACH CONTRACT, BOTTOM OF BOX AT 48" AFF. SEE DETAIL 11E3.0.

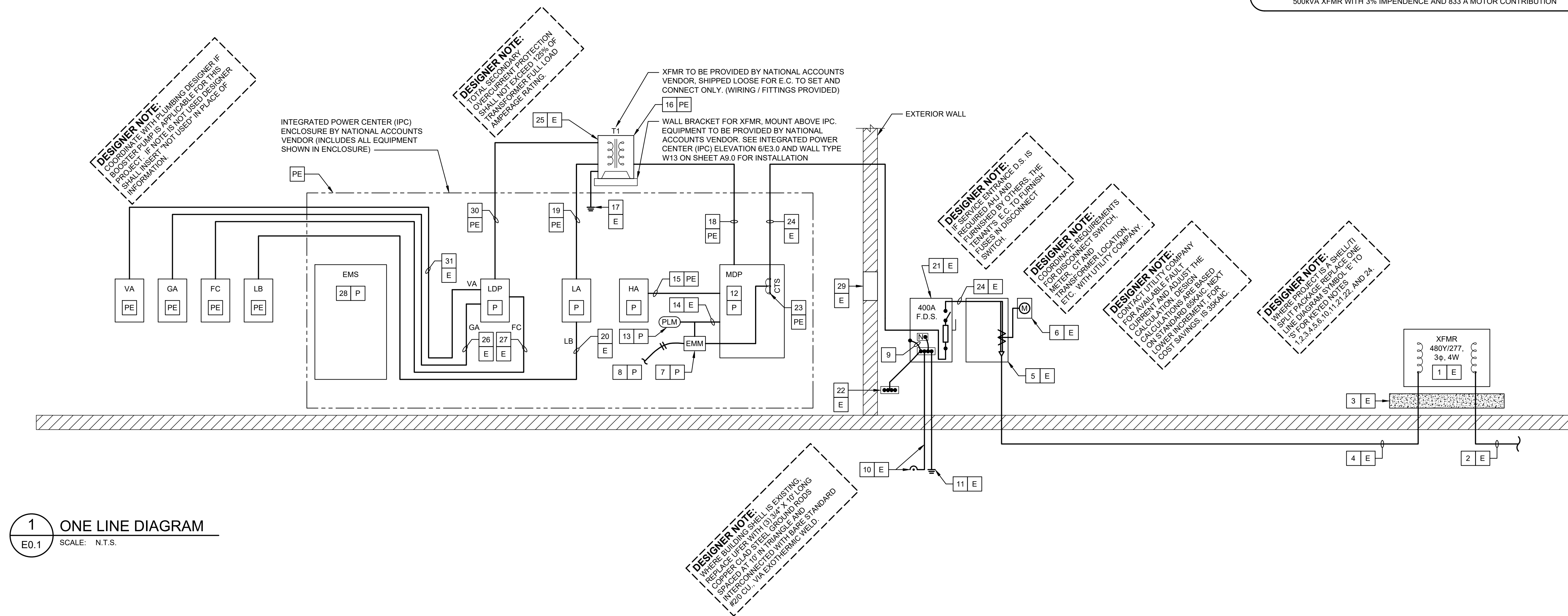
350A "LDP" FEEDER: TWO (2) SETS OF (4) #30 (XHHW) CU. (1) #3 CU GROUND. (1) #6 ISOLATED GROUND. (N 1/2" C. OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

175A "VAR" FEEDER: (4) #20 (THW/THHN) CU. (1) #6 CU GROUND. (1) #6 ISOLATED GROUND. (N 1/2" C. OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

TEMPORARY POWER TO BE SUPPLIED AND PAID FOR BY THIS CONTRACTOR.

THE CONTRACTOR IS TO PAY FOR ALL THE UTILITIES USED IN THEIR SCOPE OF WORK.

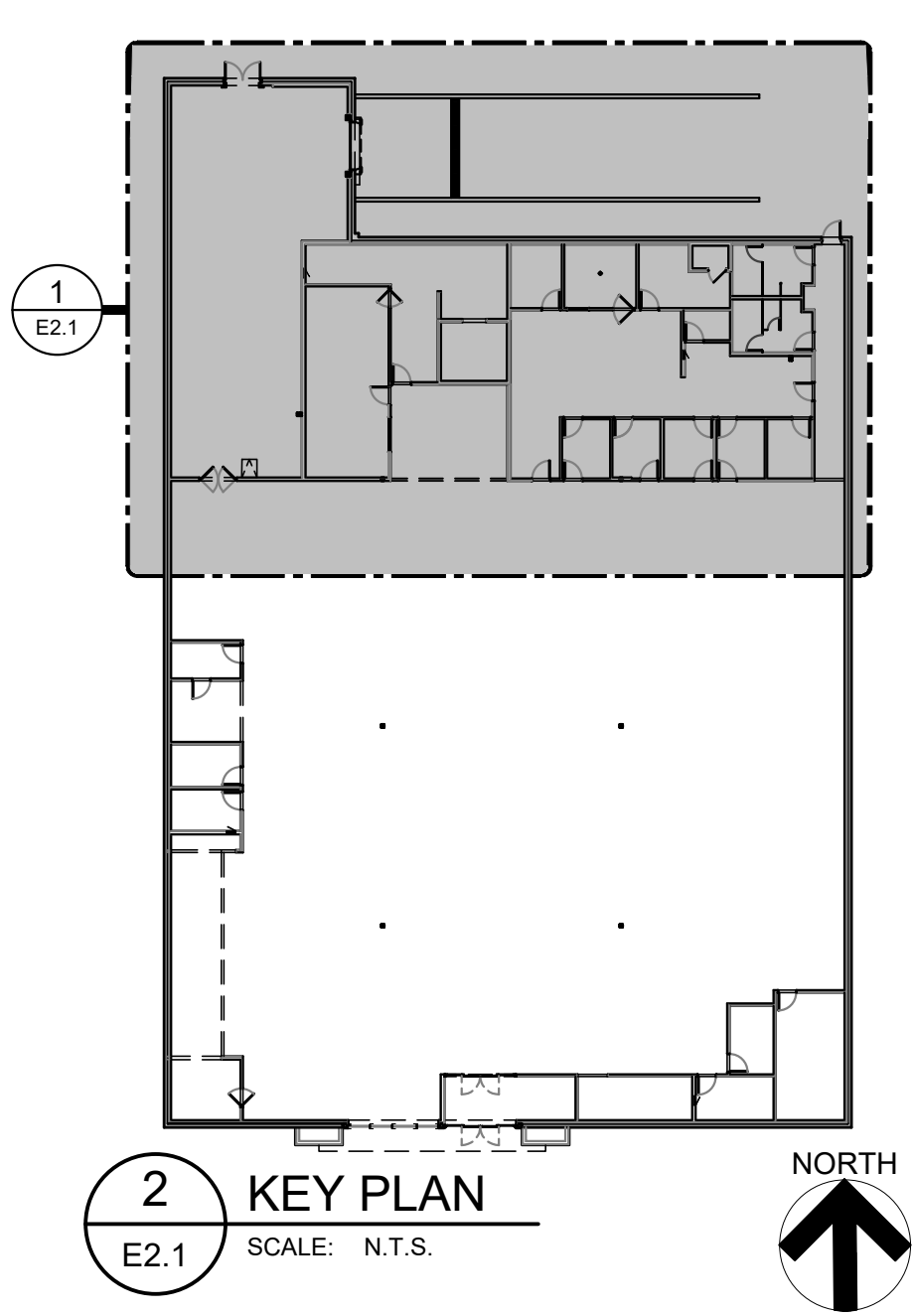
PROVIDE TEMPORARY 480V POWER FOR FLOOR POLISHER, AND IF REQUIRED 208V TO 480V STEP-UP TRANSFORMER.



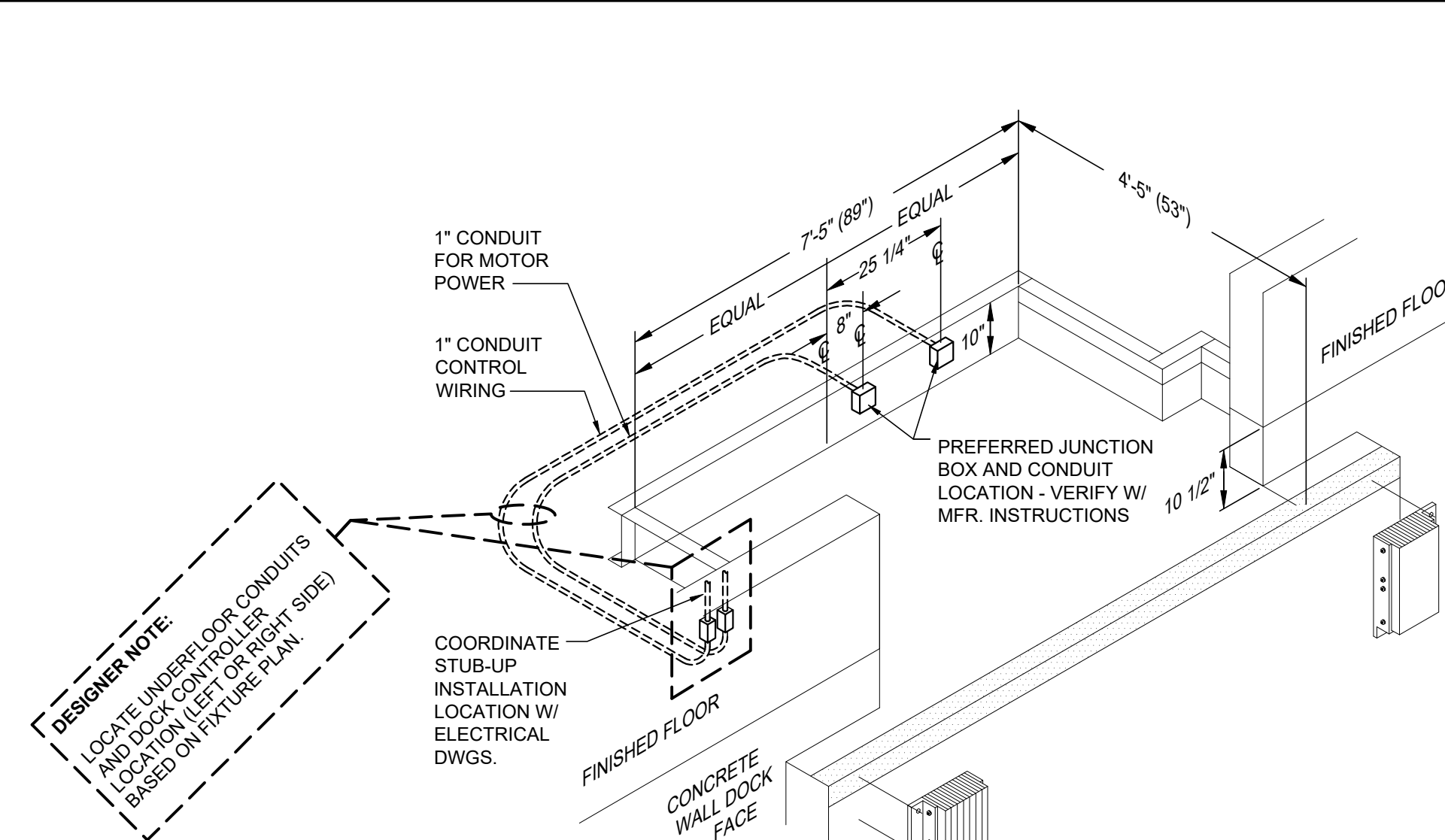
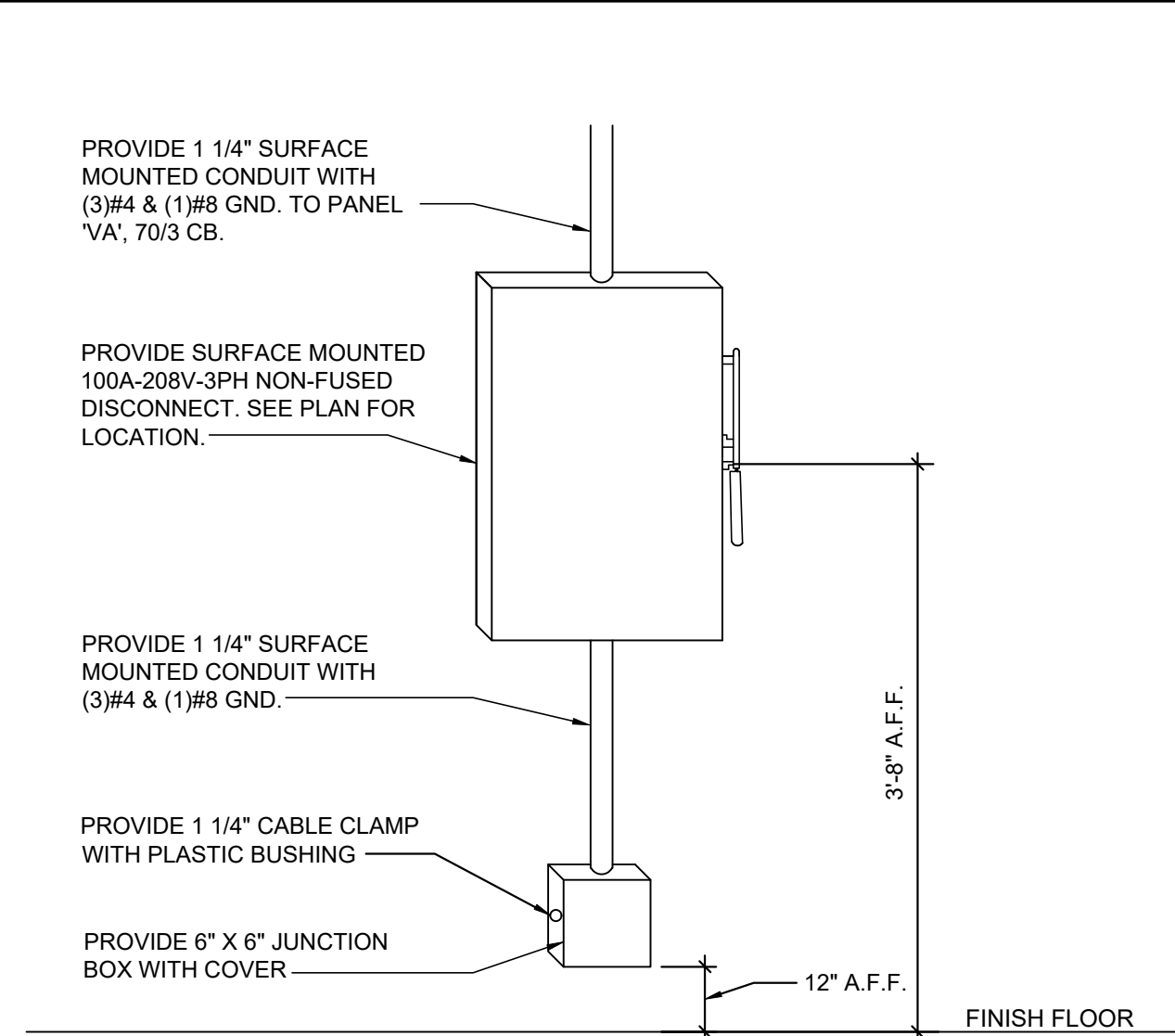
NOTES	MOUNT: INT. PWR CENTER						120/208	3-PHASE, 4W		PANEL		LA	CAPACITY: 200A			INT CAP: 10 KA			NOTES					
	LOCATION: RECEIVING 117						LUGS		200A		DEMAND LOAD: 98 A			AC FAULT: 6.6 KA										
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	POLE	AMP	DESCRIPTION	LTG	RECP	HVAC	MISC	NP		CKT				
L 1	180						SPRINKLER RISER BELL	20	1	A	1	20	RCPT: RECEIVING			360			2					
L 3	900						RCPT: SPRINKLER ALARM	20	1	B	1	20	RCPT: SCRUBBER				1,200		4					
L 5	360						RCPT: TMB	20	1	C	1	20	RCPT: AT COLUMN			360			6					
L 7	360						RCPT: TMB	20	1	A	1	20	RCPT: RTU			900			8					
G 9	400						DRINKING FOUNTAIN: EDF-1	20	1	B	1	20	SPARE						10					
11	360						RCPT: RESTROOMS	20	1	C	1	20	SPARE						12					
13							SPARE	20	1	A	1	20	SPARE						14					
L 15				180			EMS ELECTRONICS CP-1	20	1	B	1	20	SPARE						16					
L 17				980			EMS OUTPUTS CP-1	20	1	C	1	20	CONTACTOR COILS					180	18					
C 19				528			EXHAUST FAN: EF-4	20	1	A	2	25	BATTERY CHARGER					1,810	20					
C 21	180						LTG: AQUARIUMS	20	1	B	2	25						1,810	22					
C 23	960						LTG: FISH TANKS	20	1	C	1	20	SPARE						24					
25				800			COOLER	20	1	A	1	20	EXHAUST FAN: EF-2			1,656			26					
27				800			COOLER	20	1	B	1	20	PUMP: RP-1				92		28					
29				1,000			FREEZER	20	1	C	1	20	SPARE						30					
31				1,000			FREEZER	20	1	A	1	20	SIGN: SIDE - PETS/SMART			600			32					
33							SPARE	20	1	B	1	20	SIGN: SIDE - PETS/SMART			600			34					
35							SPARE	20	1	C	1	20	SIGN: REAR - PETS/SMART			600			36					
37					4,650			A	1	A	1	20	SIGN: FRONT - VETERINARIAN			600			38					
39					4,060			B	3	B	1	20	SIGNS: FRONT WALL LETTERS			600			40					
41					4,048		PANEL 'LB'	60	3	C	1	20	SIGN: FRONT - PETS/SMART			1,200			42					
PHASE BALANCE						LOAD TYPE	CONNECTED (KVA)	DEMAND	DEMAND FORMULA					TOTAL LOAD										
						LIGHTING	5.34	6.68	KVA	LOAD X 125% NEC 210.19 CONTINUOUS					CONNECTED					DEMAND				
Φ	LOAD	%	RECEPTACLE		12.10		11.05		KVA		10 KVA + 50% REMAINDER NEC 220.44					34.31					KVA	35.28	KVA	
A	13.44	KVA	39.2	HVAC		2.71		3.39		KVA		LOAD + 25% LARGEST MOTOR					95.32					A	97.99	A
B	10.82	KVA	31.5	MISC		14.16		14.16		KVA		LOAD X 100% NEC 210.19 NON-CONT.												
C	10.05	KVA	29.3	NP		0.00		0.00		KVA		D NONCOINCIDENTAL LOADS NEC 220.60												
REQUIRED FEATURES: A. ALUMINUM BUSSING, COPPER GROUND B. PROVIDE WITH ISOLATED GROUND BUS																								

NOTES	MOUNT: FLUSH						120/208	3-PHASE, 4W		PANEL		GA	CAPACITY: 125A				INT CAP: 10 KA				NOTES
	LOCATION: DRYING AREA 115						LUGS	MO	DEMAND LOAD: 41 A				AC. FAULT: 2.8 KA								
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMPP	Φ	POLE	AMP	DESCRIPTION	LTG	RCPT	HVAC	MISC	NP	CKT			
G 1	1	1,260					RCPT: DRYER	15	1	A	1	20	RCPT: SALON		720				2		
G 3	3	1,260					RCPT: DRYER	15	1	B	1	20	RCPT: SALON		720				4		
G 5	5	1,260					RCPT: DRYER	15	1	C	1	20	RCPT: SALON		720				6		
G 7	7	1,260					RCPT: DRYER	15	1	A	1	20	RCPT: SALON		720				8		
G 9	9	1,260					RCPT: DRYER	15	1	B	1	20	RCPT: SALON		720				10		
G 11	11	1,260					RCPT: DRYER	20	1	C	1	20	RCPT: SALON		720				12		
G 13	13	1,260					MASTER BLASTER DRYER	20	1	A	1	20	RCPT: SALON		720				14		
G 15	15	1,260					MASTER BLASTER DRYER	20	1	B	1	20	RCPT: SALON		720				16		
G 17	17	360					RCPT: STAND DRYER	20	1	C	1	20	RCPT: SALON		720				18		
G 19	19	120					BUZZER/HORN	20	1	A	1	20	RCPT: SALON		720				20		
G 21	21						SPARE	20	1	B	1	20	IG RCPT: SALON CHECK-IN		360				22		
G 23	23						SPARE	20	1	C	1	20	IG RCPT: SALON CHECK-IN		360				24		
G 25	25						SPARE	20	1	A	1	20	IG RCPT: SALON CHECK-IN		360				26		
G 27	27						SPARE	20	1	B	1	20	RCPT: SALON CHECK-IN		720				28		
G 29	29						SPARE	20	1	C	1	20	SPARE						30		
PHASE BALANCE						LOAD TYPE	CONNECTED (KVA)		DEMAND		DEMAND FORMULA						TOTAL LOAD				
						LIGHTING	0.00		0.00		KVA LOAD X 125% NEC 210.19 CONTINUOUS						CONNECTED				DEMAND
Φ	LOAD		% RECEPTACLE		19.56		14.78		KVA		10 KVA + 50% REMAINDER NEC 220.44						19.56		KVA		
A	7.14		KVA 36.5		HVAC		0.00		0.00		KVA LOAD + 25% LARGEST MOTOR						54.33		A 41.06		KVA
B	7.02		KVA 35.9		MISC		0.00		0.00		KVA LOAD X 100% NEC 210.19 NON-CONT.										
C	5.40		KVA 27.6		NP		0.00		0.00		D NONCOINCIDENTAL LOADS NEC 220.60										
REQUIRED FEATURES: A. ALUMINUM BUSSING, COPPER GROUND B. PROVIDE WITH ISOLATED GROUND BUS																					

NOTES	MOUNT: INT. PWR. CENTER						120/208	3-PHASE, 4W		PANEL		LDP		CAPACITY: 350A					INT CAP: 10 KA					NOTES
	LOCATION: RECEIVING 117								LUGS: 350A		MCB		DEMAND LOAD: 213 A					AC. FAULT: 7.2 KA						
CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMPP	POLE	Φ	POLE	AMP	DESCRIPTION	LTG	RCPT	HVAC	MISC	NP	CKT						
1					7140													6930	2					
3					7020	PANEL 'GA'	125	3	A	B	3	200	PANEL 'FC'					7740	4					
5					5400													9090	6					
7					17,892				1	A	1	--	SPACE											
9					15,624	PANEL 'VA'	175	1	B	1	--	SPACE						10						
11					17,472				1	C	1	--	SPACE					12						
13						SPACE	--	1	A	1	--	SPACE						14						
15						SPACE	--	1	B	1	--	SPACE						16						
17						SPACE	--	1	C	1	--	SPACE						18						
19						SPACE	--	1	A	1	--	SPACE						20						
21						SPACE	--	1	B	1	--	SPACE						22						
23						SPACE	--	1	C	1	--	SPACE						24						
25						SPACE	--	1	A	1	--	SPACE						26						
27						SPACE	--	1	B	1	--	SPACE						28						
29						SPACE	--	1	C	1	--	SPACE						30						
PHASE BALANCE						LOAD TYPE		CONNECTED (KVA)		DEMAND		DEMAND FORMULA					TOTAL LOAD							
						LIGHTING		0.18		0.23		KVA LOAD X 125% NEC 210.19 CONTINUOUS					CONNECTED		DEMAND					
Φ LOAD %						RECEPTACLE		47.66		28.83		KVA 10 KVA + 50% REMAINDER NEC 220.44					94.26		KVA 76.52		KVA			
A 31.96 KVA 33.9						HVAC		7.49		8.53		KVA LOAD + 25% LARGEST MOTOR					261.84		KVA 212.57		KVA			
B 30.38 KVA 32.2						MISC		38.93				KVA LOAD X 100% NEC 210.19 NON-CONT.												
C 31.96 KVA 33.9						NP		0.00		0.00		KVA 0 NONCOINCIDENTAL LOADS NEC 220.60												
REQUIRED FEATURES:																								
A. ALUMINUM BUSSING, COPPER GROUND																								
B. PROVIDE WITH ISOLATED GROUND BUS																								
C. PROVIDE WITH SUB-FEED BREAKER																								

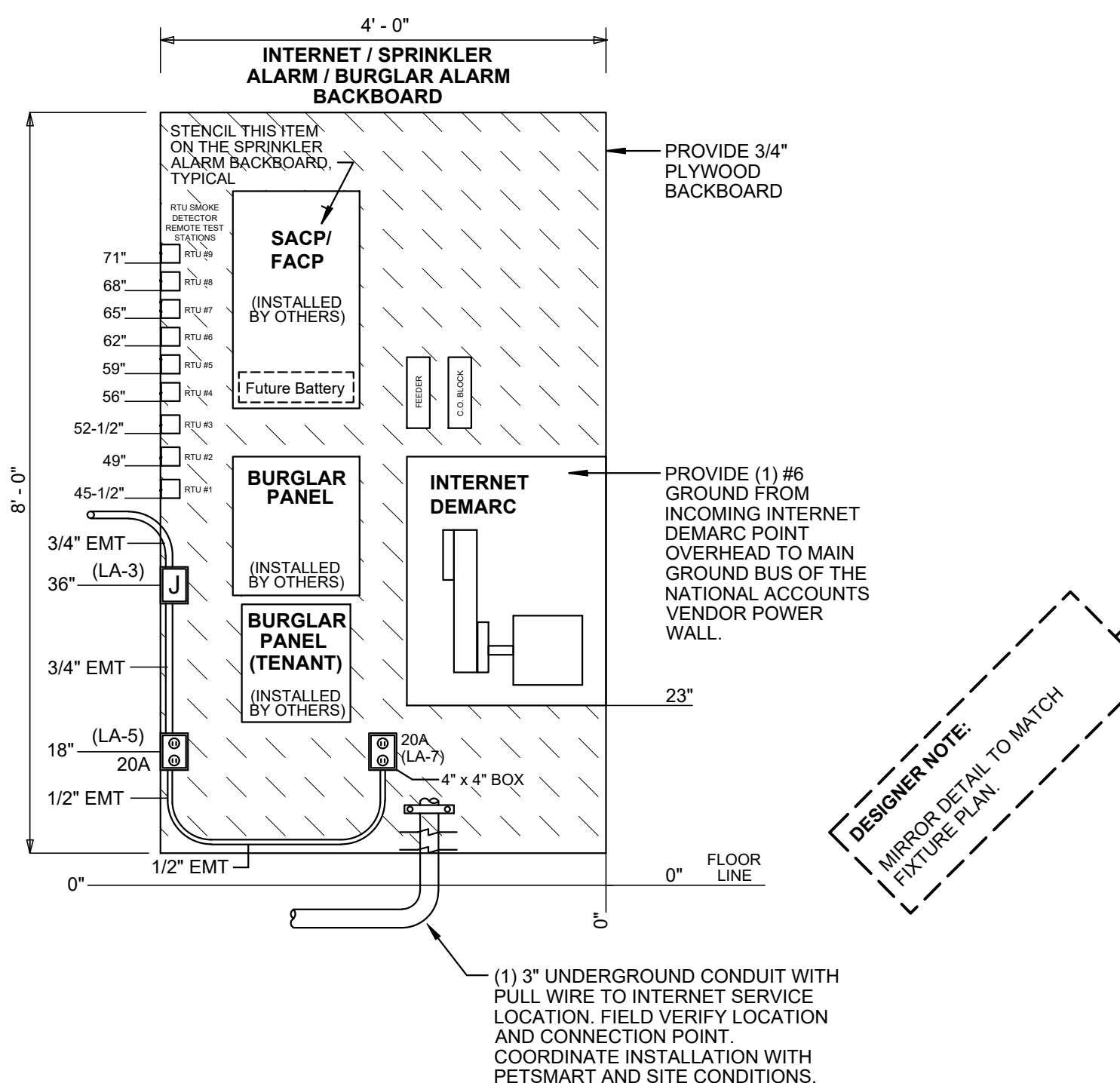


E2.1

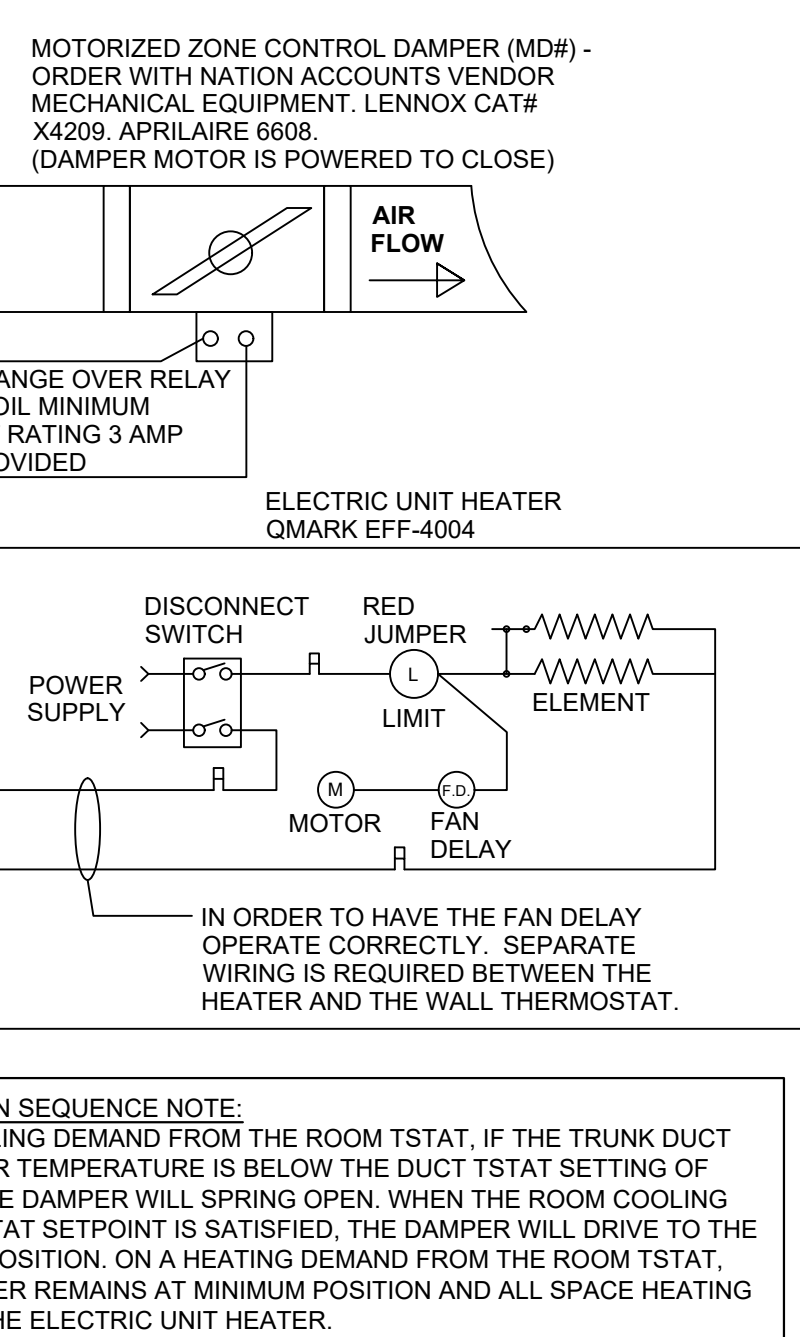


The diagram illustrates three mounting configurations for a hanging receptacle, enclosed in a dashed rectangular border. At the top center, a dimension line indicates a height of 18 inches from the ceiling to the top of the mounting box.

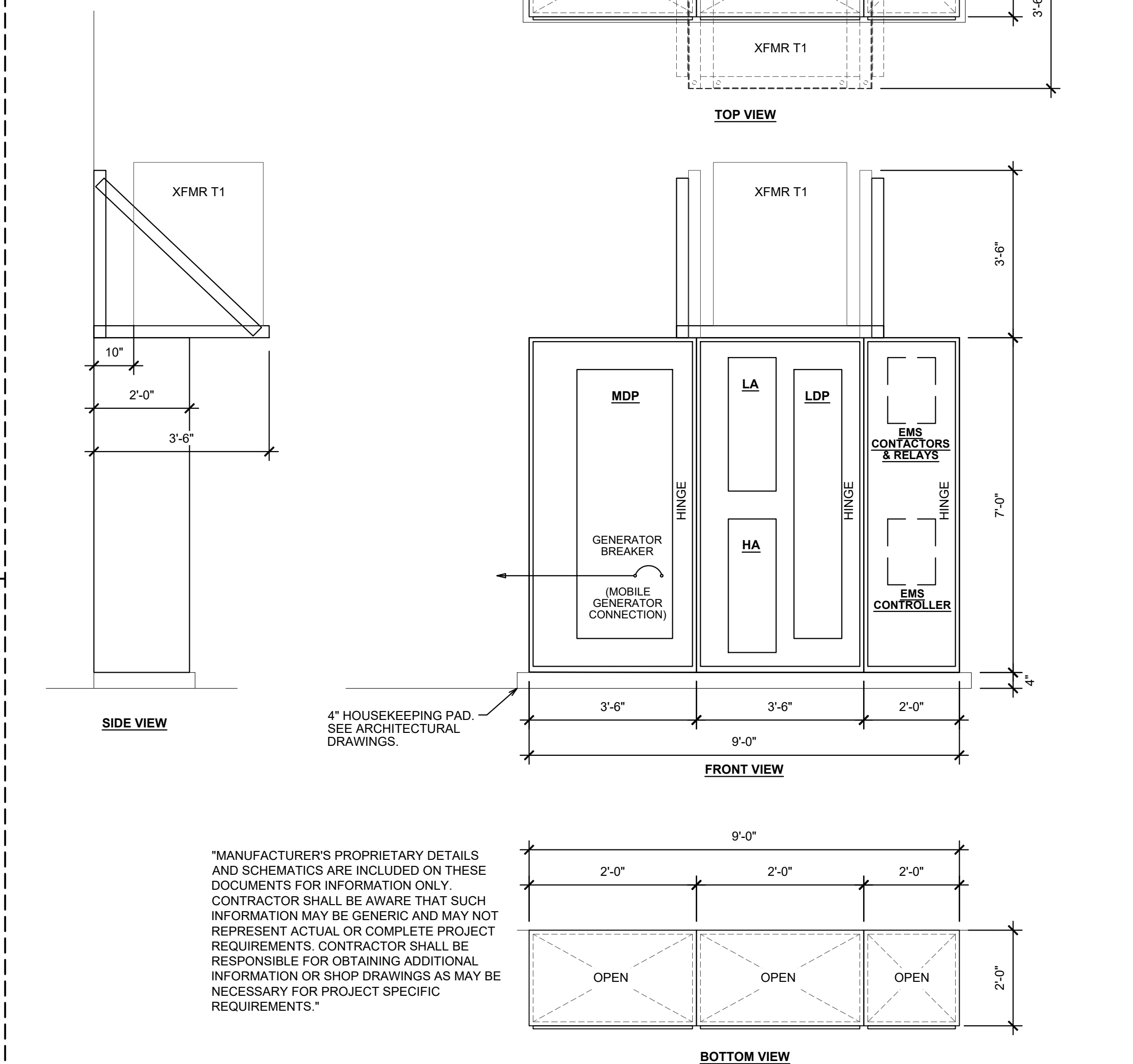
- SIDE A:** Shows a side view of a GFI duplex receptacle mounted on a wall. Below it, the text reads: "SIDE A", "GFI DUPLEX", and "RECEPTACLE".
- FRONT:** Shows a front view of a Hubbell portable outlet box. Below it, the text reads: "FRONT", "HUBBELL", "PORTABLE", and "OUTLET BOX".
- SIDE B:** Shows a side view of a duplex receptacle with a wire passing through a GFI receptacle on the opposite side (Side A). Below it, the text reads: "SIDE B", "DUPLEX", "RECEPTACLE", "(WIRE THROUGH", "GFI RECEPTACLE", and "ON SIDE A)".



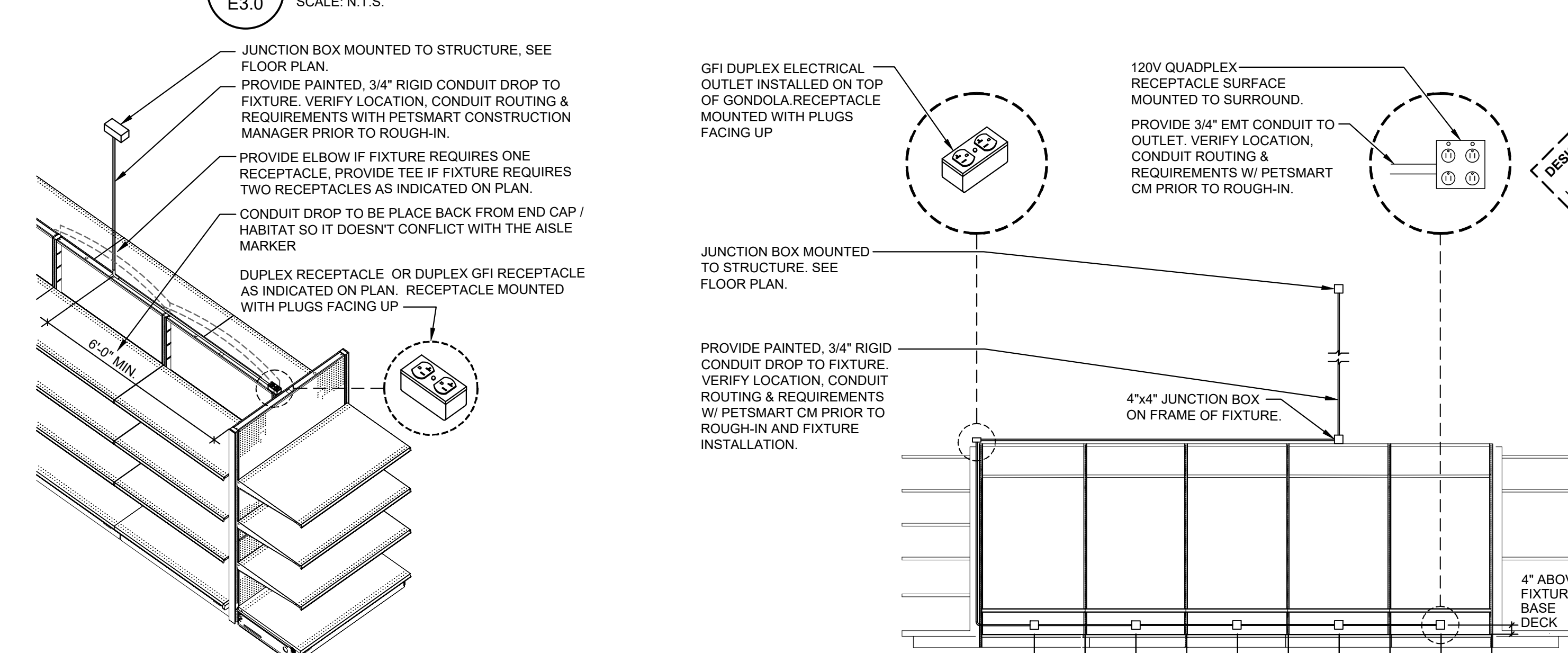
7 PHONE BOARD ELEVATION
E3.0 SCALE: N.T.S.



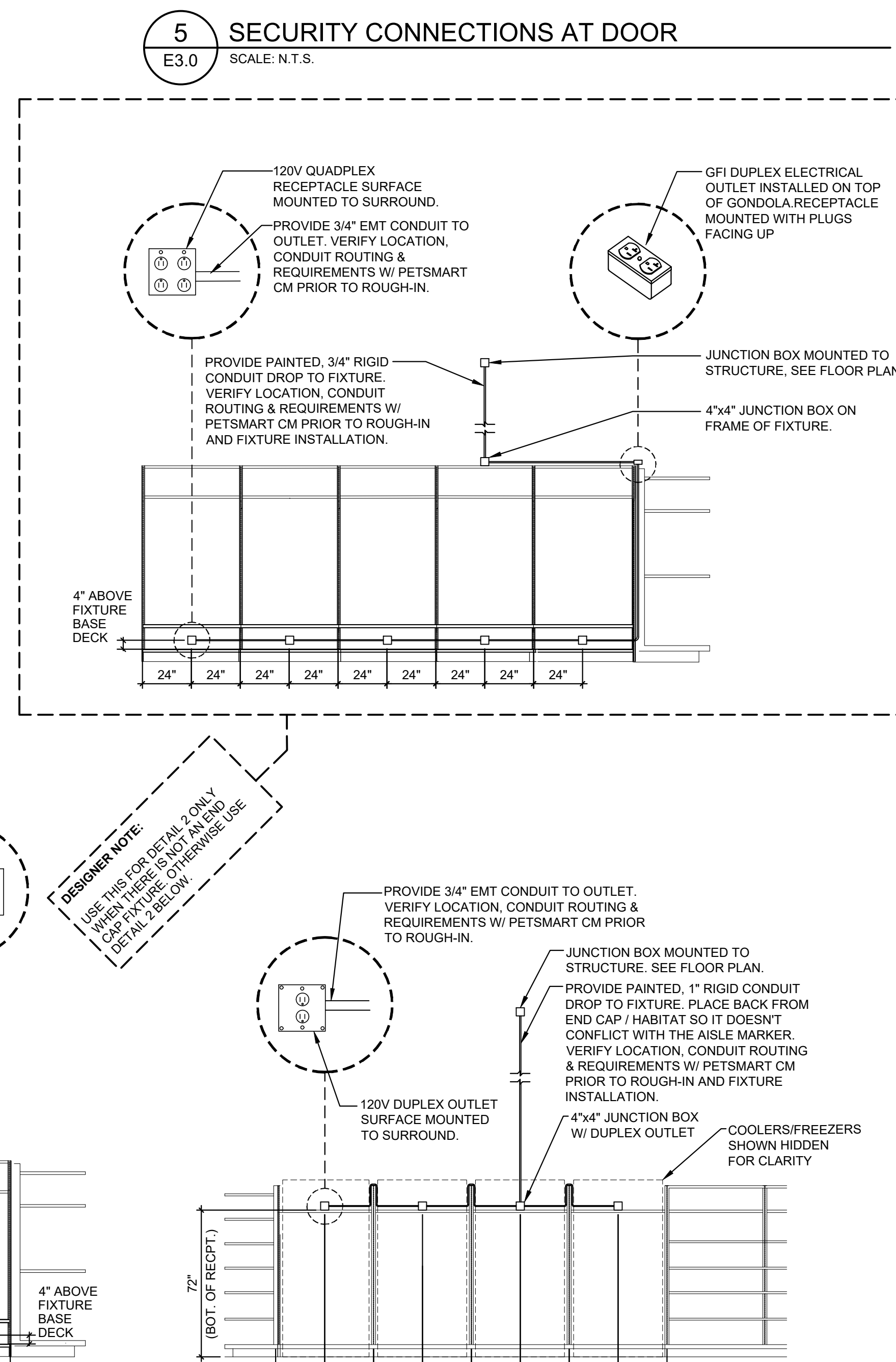
6 INTEGRATED POWER CENTER (IPC-2) ELEVATION
E3.0 SCALE: N.T.S.



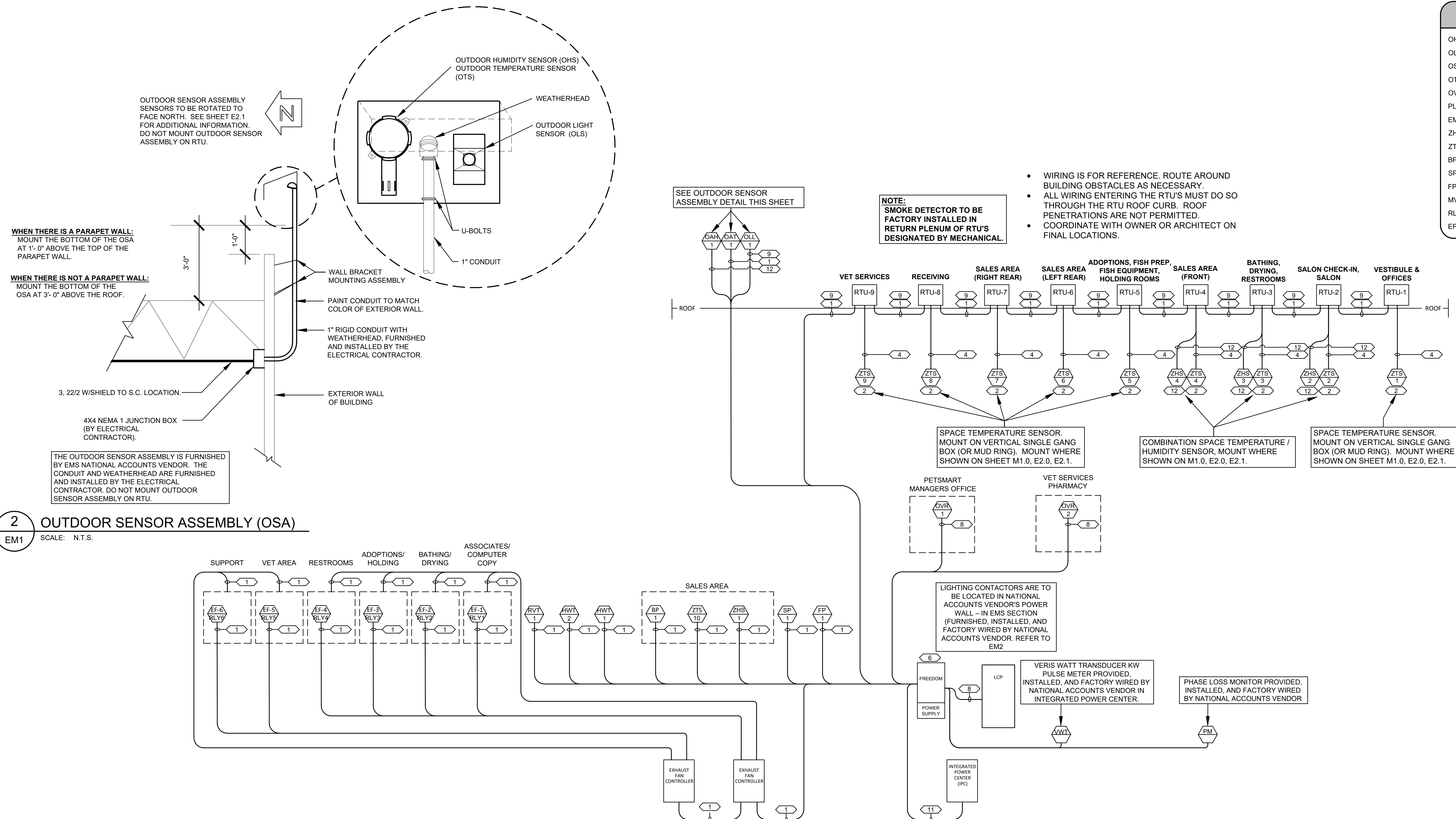
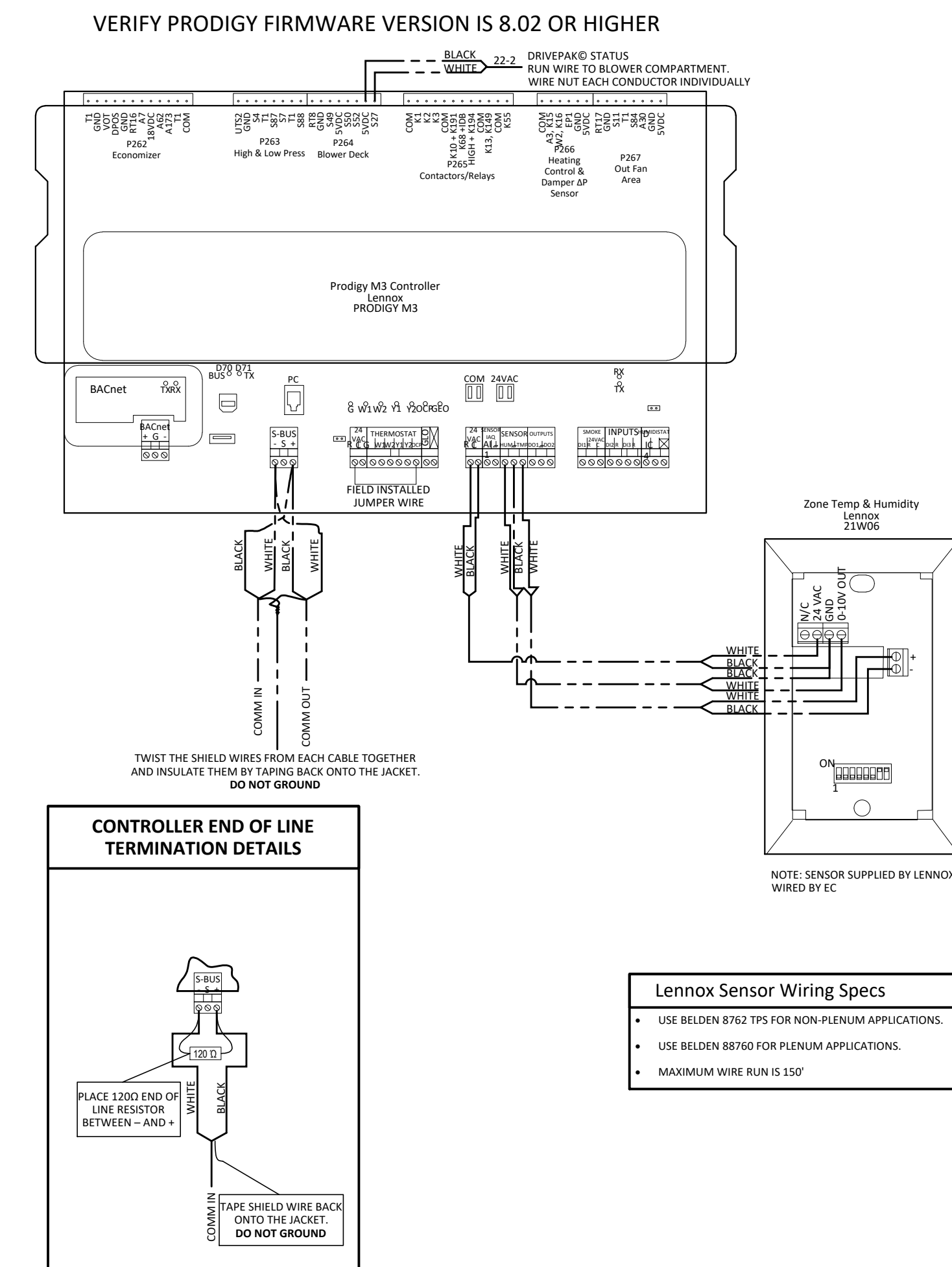
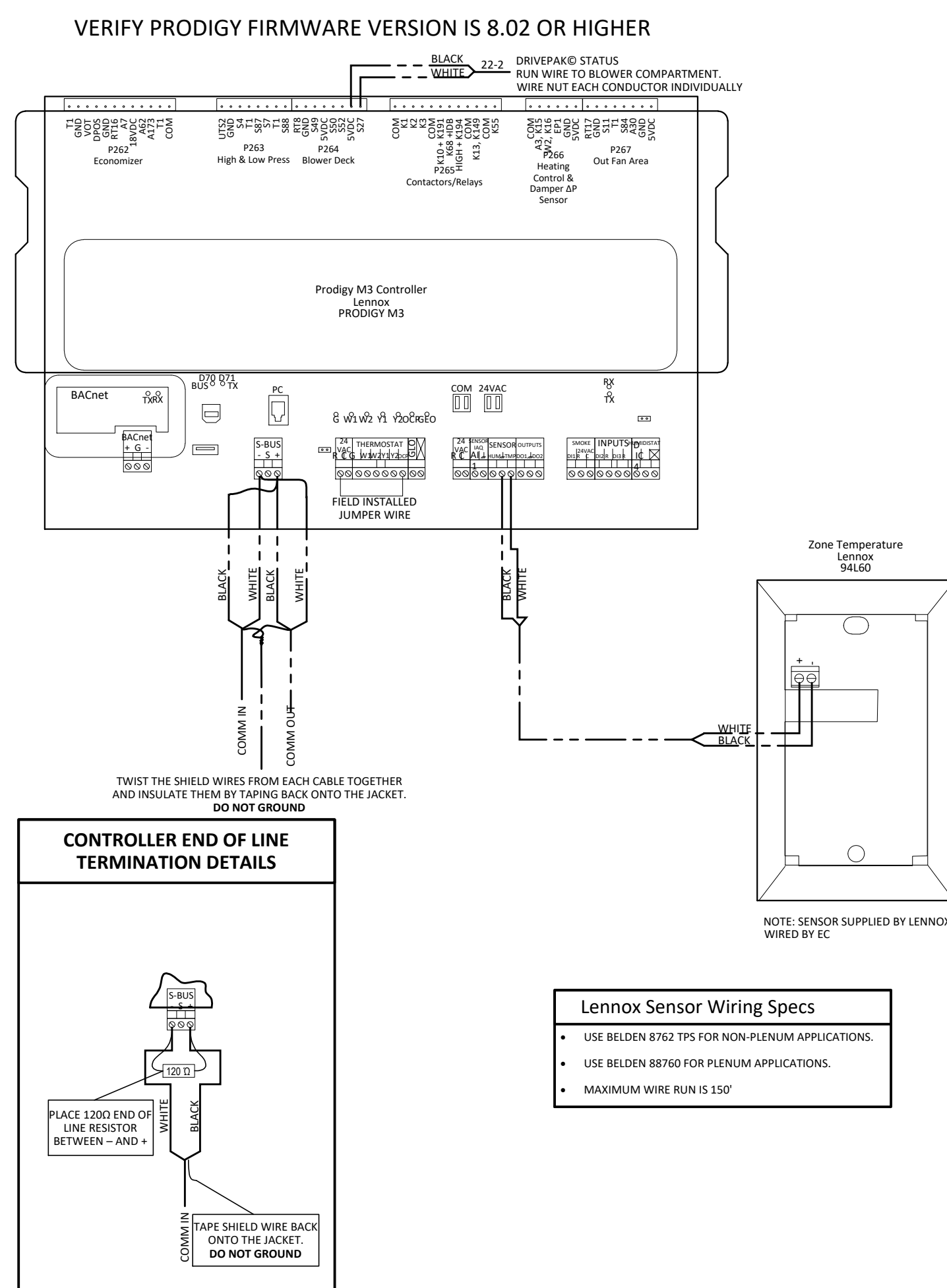
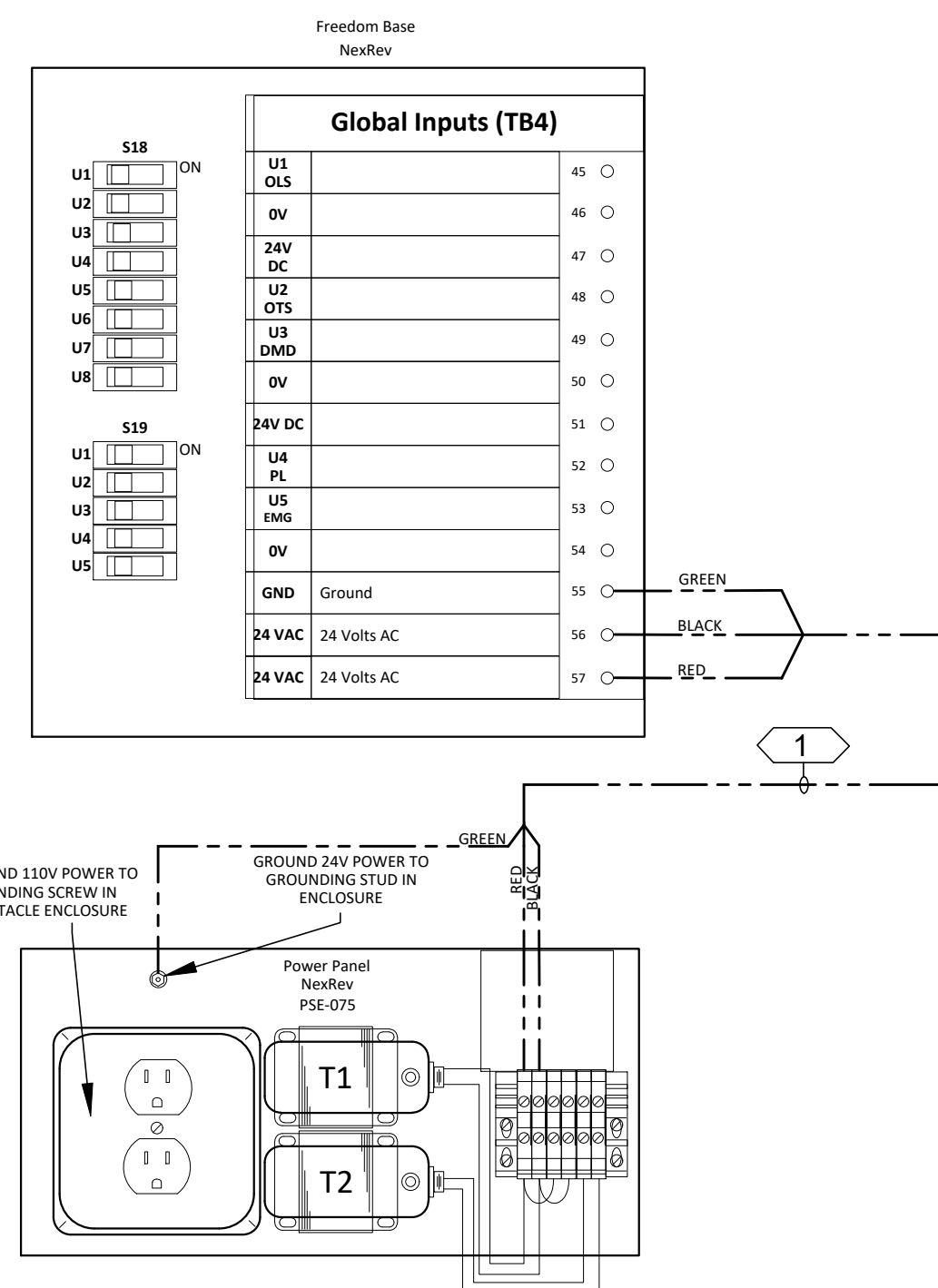
3 RIGID POWER DROP AT GONDOLAS
E3.0 SCALE: N.T.S.



2 RIGID POWER DROP AT LARGE AQUARIUMS



1 RIGID POWER DROP AT FREEZERS/COOLERS



- ## KEYED NOTES
- | | |
|----|--|
| 1 | (1) 2C 22 GA. TWISTED SHIELDED WIRE, USE PLENUM RATED WIRE IN CONCEALED SPACE ABOVE CEILINGS. |
| 2 | 94L60 SENSOR SUPPLIED BY LENNOX |
| 3 | SUPPLIED, WIRED AND ASSEMBLED BY NATIONAL ACCOUNTS VENDOR. |
| 4 | (1) 2C 22 GA. TWISTED SHIELDED PAIR (SENSOR MOUNTED ON VERTICAL SINGLE GANG BOX). |
| 5 | (3) 2C 22 GA. TWISTED SHIELDED PAIR |
| 6 | NEXREV FREEDOM CONTROLLER (INTERNAL TO NATIONAL ACCOUNTS VENDORS' INTEGRATED POWER CENTER) |
| 7 | COMMUNICATION LINK |
| 8 | (1) 9C 18 GA. |
| 9 | (1) 4C 18 GA. |
| 10 | COMBINATION TEMPERATURE/HUMIDITY SENSOR SUPPLIED BY NATIONAL ACCOUNTS MECHANICAL VENDOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. 21W60 |
| 11 | (3) 2C 18 GA. TWISTED SHIELD PAIR (SENSOR MOUNTED ON VERTICAL SINGLE GANG BOX) |
| 12 | (1) 2C 18 GA. TWISTED SHIELDED PAIR, USE PLENUM RATED WIRE IN CONCEALED SPACE ABOVE CEILING. |

- # GENERAL NOTES
1. ALL EMS EQUIPMENT (WITH EXCEPTION TO THE EQUIPMENT INTERNAL TO NATIONAL ACCOUNTS' VENDORS' INTEGRATED POWER CENTER) SHALL BE PURCHASED BY GENE. CONTRACTOR OR ELECTRICAL CONTRACTOR FROM EMS NATIONAL ACCOUNTS VENDOR (IN PARAGRAPHS), CONTACT NEXT NATION ACCOUNTS FOR PRICING (872) 578-4555.
 2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL CONDUIT, WIRE, PUL BOXES, AND JUNCTION BOXES REQUIRED FOR A COMPLETE INSTALLATION. ALL CABLES FOR INSTALLATION SHALL BE WHITE IN COLOR.
 3. ALL WORK SHALL CONFORM WITH THE LOCAL, STATE AND NATIONAL ELECTRICAL CODE. ELECTRICAL CONTRACTOR SHALL PAY FOR ALL INSPECTIONS AND PERMITS.
 4. WHEN LOCAL CODES PERMIT, WIRING SHALL BE RUN OPEN, SECURED AT REGULAR INTERVALS.
 5. ALL WIRING AND/OR CONDUIT SHALL BE CONCEALED U.N.O.
 6. ELECTRICAL CONTRACTOR SHALL FURNISH ALL POWER WIRING TO EMS EQUIPMENT.
 7. ALL POWER WIRING SHALL BE FIRST GAUGE COPPER WITH 600 VOLT INSULATION AND SHALL BE 14 THAWN.
 8. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO MOUNT AND WIRE ALL ENERGY MANAGEMENT EQUIPMENT AS PER DRAWINGS.
 9. ALL EMS TERMINATIONS SHALL BE DONE BY ELECTRICAL CONTRACTOR AS SHOWN.
 10. ELECTRICAL CONTRACTOR SHALL LABEL ALL WIRES AND CABLES ON BOTH ENDS AS SHOWN ON PLANS.
 11. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING A TRUE EARTH GROUND TO ALL EMS EQUIPMENT AS SHOWN ON THESE DRAWINGS.
 12. ELECTRICAL CONTRACTOR SHALL CONTACT EMS NATIONAL ACCOUNTS VENDOR FOR ANY QUESTIONS ON EMS SYSTEM DRAWINGS OR INSTALLATION.
 13. WHEN THE ELECTRICAL CONTRACTOR HAS COMPLETED INSTALLATION OF THE EMS SYSTEM, AND COMPLETED THE INSTALLATION CHECKLIST THEY SHALL BE RESPONSIBLE FOR COORDINATION WITH EMS NATIONAL ACCOUNTS' VENDORS TO ESTABLISH START DATE FOR EMS SYSTEM CONTACT (872) 578-4555. SEE SPECIFICATION SECTION 0110 PAGES 3 & 4 OF 18.

ABBREVIATIONS

OHS	OUTDOOR HUMIDITY SENSOR
OLS	OUTDOOR LIGHT SENSOR
OSA	OUTDOOR SENSOR ASSEMBLY
OTS	OUTDOOR TEMPERATURE SENSOR
OVR	VERRIDE
PLM	PHASE LOSS MONITOR
EMM	ENERGY MONITORING METER
ZHS	ZONE HUMIDITY SENSOR
ZTS	ZONE TEMPERATURE SENSOR
BP	BUILDING PRESSURE SENSOR
SP	SECURITY PANEL
FP	FIRE PANEL
MVT	MIXING VALVE TEMPERATURE
RLY	RELAY
EF	EXHAUST FAN

NOTE FOR ELECTRICAL CONTRACTOR:

ALL WALL PLATE SENSORS IN THE SALES AREA SHALL BE MOUNTED AT 7'-6" ABOVE FINISHED FLOOR ON THE BACK OF ALL COLUMNS. ALL OTHER SENSORS & T'STATS SHALL BE MOUNTED AS SHOWN ON MECHANICAL DRAWINGS.

NOTE FOR MECHANICAL CONTRACTOR:
IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO FULLY CHECK, TEST, AND START ROOF-TOP EQUIPMENT. CHECK ALL SUPPLY AND DISCHARGE PRESSURE IN REFRIGERANT LINES.SEE START-UP CHECKLIST IN SPECIFICATIONS.

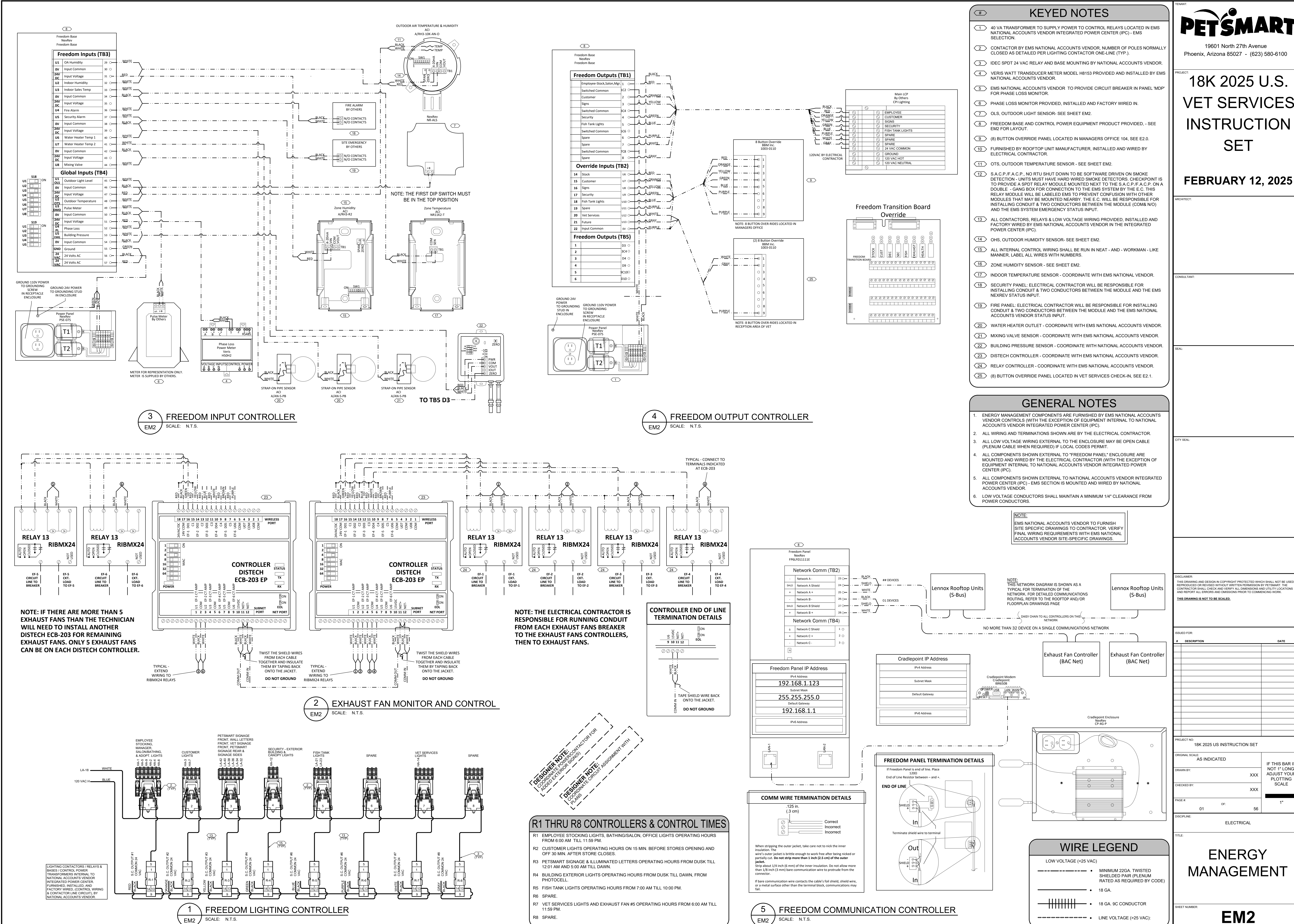
NOTE:
EMS EQUIPMENT INTERNAL TO NATIONAL ACCOUNTS
VENDOR'S POWER WALL WILL BE FURNISHED BY NATIONAL
ACCOUNTS VENDOR.

NOTE:

ONCE POWER IS APPLIED TO THE ROOFTOP HVAC UNIT, AND THE HVAC TECHNICIAN HAS COMPLETED THE ROOFTOP UNIT STARTUP PROCEDURE, THE ROOFTOP UNITS WILL RUN IN A DEFAULT MODE FROM THE RETURN AIR SENSOR CONTROLLING TO A 74° COOLING SET POINT AND A 70° HEATING SET POINT WITH AN INTERMITTENT FAN.

NOTE:
FOR EMS EQUIPMENT PRICING. GENERAL CONTRACTOR OR ELECTRICAL CONTRACTOR SHALL CONTACT:

CRAIG DAVIS
NATIONAL ACCOUNTS PETSMART QUOTES
NEXREV CORPORATION
601 DEVELOPMENT DRIVE
PLANO, TX 75074
PH: (972) 303-8586 CELL: (720) 384-9698
(SEE REQUIRED VENDOR LIST ON SHEET F2.0 FOR
ADDITIONAL INFORMATION)



19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100

18K 2025 U.S. VET SERVICES INSTRUCTION SET

FEBRUARY 12, 2025

ARCHITECT:

CONSULTANT:

REAL:

CITY SEAL:

ISSUED FOR:

DESCRIPTION DATE

PROJECT NO: 18K 2025 U.S. INSTRUCTION SET

ORIGINAL SCALE: AS INDICATED

DRAWN BY: XXXX

CHECKED BY: XXXX

PAGE # 01 OF 56

SHEET NUMBER: ELECTRICAL

TITLE:

ENERGY MANAGEMENT

IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE

1"

EM2

