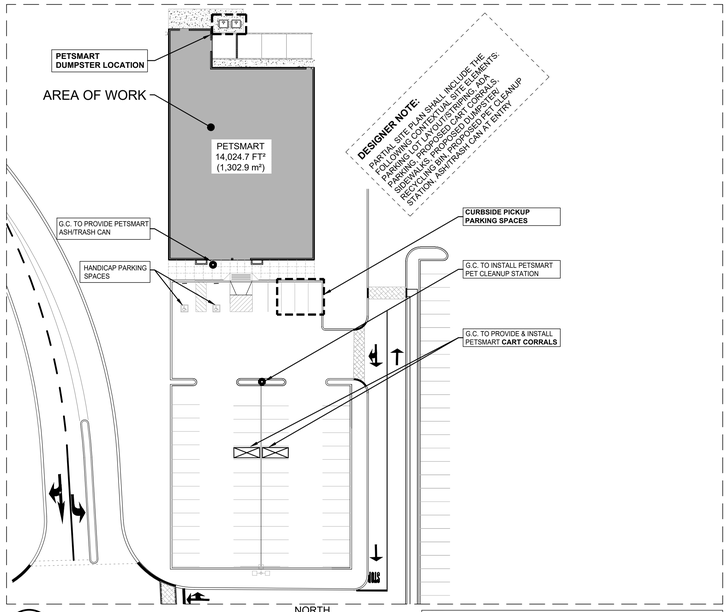


1 A0.0 PARTIAL SITE PLAN
NTS

NOTE:
GENERAL CONTRACTOR TO PROVIDE TWO CART CORRALS IN THE PARKING LOT. REFER TO MATERIAL & PRODUCT SCHEDULE ON SHEET P2.0 FOR PRODUCT AND VENDOR INFORMATION. PROPOSED LOCATION(S) SHOWN ON PARTIAL ARCHITECTURAL SITE PLAN - COORDINATE FINAL LOCATIONS WITH CIVIL PLANS.

PETSMART

14K 2025 CANADIAN INSTRUCTION SET

Store #0000
Location
City, Province, A0A 0A0

DOCUMENTS DEVELOPED USING 14K 2021 CANADIAN INSTRUCTION SET (---------- #-). ADDITIONAL INSTRUCTION SET/PROTOTYPE UPDATES FOR THIS PROJECT ARE AS FOLLOWS:

THESE DOCUMENTS ARE THE PROPERTY OF PETSMART INC. AND REPRESENT A TYPICAL DESIGN AND ARE NOT ADAPTED TO ANY SPECIFIC LOCATION NOR ORIENTATION.

DESIGNER NOTE: WHEN TILT-WALL CONSTRUCTION IS UTILIZED, ENSURE TILT PANEL ARE INSULATED AS REQUIRED ON PROJECT SPECIFIC BASIS TO MEET ENERGY REQUIREMENTS. WHEN PANEL JOINT LOCATIONS CONFLICT WITH PANEL INTERIOR ROOM LEAD CONFIGURATION, A MINIMUM OF 6" MUST BE MAINTAINED. IF THE INTERIOR DIMENSIONS ARE COMPROMISED, PETSMART MUST BE ALERTED FOR COORDINATION OF LAYOUT

DESIGNER NOTE: ON A PROJECT SPECIFIC BASIS WHEN REQUIRED, THE DESIGNER SHALL RECONCILE CODE DIFFERENCES BETWEEN ALL APPLICABLE CODES AND OTHER REGULATIONS AND REQUIREMENTS TO COMPLY WITH SEISMIC REQUIREMENTS.

DESIGNER NOTE: DESIGNER TO VERIFY REQUIRED CODES FOR EACH PROJECT

DESIGNER NOTE: WHEN EXTERIOR WALL CONSTRUCTION OTHER THAN EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) IS UTILIZED, DRAWING NOTES AND DETAILS MUST BE PROVIDED ON THE EXTERIOR ELEVATIONS AND WALL SECTIONS TO ENSURE ADEQUATE INSULATION AND AIR BARRIER AS REQUIRED BY THE PROJECT SPECIFIC BASIS. REFER TO THE EXTERIOR DIMENSIONS ARE COMPROMISED.

DESIGNER NOTE: PROTOTYPE DESIGN IS BASED ON THE LATEST EDITION OF A PUBLISHED BUILDING CODE. ENSURE THAT ALL APPLICABLE LOCAL PROVINCIAL & FEDERAL CODES, BY-LAWS, ORDINANCES & STANDARDS ARE COMPLIED WITH. DESIGNER SHALL ADDRESS ALL DEVIATIONS BETWEEN THESE CODES AND PETSMART INSTRUCTIONS SET OF DRAWINGS AND SPECIFICATIONS.

NOTE:
THIS SET OF DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PETSMART PROJECT MANUAL: SPECIFICATIONS DATED **FEBRUARY 12, 2025**. IN CASE OF DISCREPANCY BETWEEN THE DRAWINGS AND THE MANUAL, THE MORE STRINGENT SHALL PRESIDE UNLESS OTHERWISE NOTIFIED DURING BID PROCESS.

PROJECT TEAM

TENANT
PETSMART/CONSTRUCTION MANAGER
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE: -
CELL: -
EMAIL: -
CONTACT: -

LANDLORD/OWNER:
COMPANY NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE: -
CELL: -
EMAIL: -
CONTACT: -

SITE CIVIL:
FIRM NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE: -
CELL: -
EMAIL: -
CONTACT: -

GEOTECHNICAL:
FIRM NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE: -
CELL: -
EMAIL: -
CONTACT: -

ARCHITECTURAL:
FIRM NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE: -
CELL: -
EMAIL: -
CONTACT: -

STRUCTURAL:
FIRM NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE: -
CELL: -
EMAIL: -
CONTACT: -

MECH / PLUMBING:
FIRM NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE: -
CELL: -
EMAIL: -
CONTACT: -

ELECTRICAL:
FIRM NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE: -
CELL: -
EMAIL: -
CONTACT: -

DESIGNER NOTE: DESIGNER TO ENSURE THIS INFORMATION IS COMPLETE ON A PROJECT SPECIFIC BASIS

ABBREVIATIONS :

ADA	AMERICANS w/ DISABILITIES ACT	FTG	FOOTING	d	PENNY
ADD	ADDENDUM	FND	FOUNDATION	PERP	PERPENDICULAR
ABC	AGGREGATE BASE COURSE	FRA	FIBERGLASS REINFORCED PANEL	PH, φ	PHASE
A/C	AIR CONDITIONING			PC	PRECAST
ADD'N	ADDITION	FHC	FIRE HOSE CABINET	PG	PAGE
AFC	ABOVE FINISHED CEILING	FRT	FIRE RETARDANT TREATED	PIV	POST INDICATOR VALVE
AFF	ABOVE FINISHED FLOOR			PL	PROPERTY LINE
AFG	ABOVE FINISHED GRADE	G	GROUND	PL	PLATE
AFI	ADVANCED FIXTURES, INC.	GA	GAUGE	PLBG	PLUMBING
AGG	AGGREGATE	GALV	GALVANIZED	PLYWD	PLYWOOD
AHA	AUTHORITY HAVING JURISDICTION	GC	GENERAL CONTRACTOR	PNL	PANEL
		GD	GRADE	PR	PAIR
ALT	ALTERNATE	GI	GALVANIZED IRON	PSI	POUNDS PER SQUARE INCH
ALUM	ALUMINUM	GL	GLASS	PSF	POUNDS PER SQUARE FOOT
AMP	AMPERE, AMPS	GRL	GRILLE	PTD	PAINTED
ARCH	ARCHITECT	GYP	GYPSUM	PTN	PARTITION
ASP	ASPHALT			PT	POINT
AVG	AVERAGE	HC	HANDICAPPED	PVC	POLYVINYL CHLORIDE
		HB	HOSE BIBB		
BD	BOARD	HDAS	HEADED ANCHOR STUDS	QTY	QUANTITY
BLDG	BUILDING	HD	HEAD		
BLKG	BLOCKING	HDN	HARDENER	R	RADIUS
BM	BEAM	HDW	HARDWARE	R/A	RETURN AIR
B.M.	BENCHMARK	HDWD	HARDWOOD	RCP	REFLECTED CEILING PLAN
BO	BOTTOM OF	HM	HOLLOW METAL	RD	ROOF DRAIN
BOT	BOTTOM	HORIZ	HORIZONTAL	REG	REGISTER
		HP	HIGH POINT	RO	ROUGH OPENING
CABT	CABINET	HR	HAND RAIL	REINF	REINFORCED, REINFORCING
CB	CATCH BASIN	HTR	HEATER	REQD	REQUIRED
CEM	CEMENT	HT	HEIGHT	REV	REVISION
CF	CUBIC FEET	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	RFG	ROOFING
CFM	CUBIC FEET PER MINUTE			RGH	ROUGH
CIP	CAST IN PLACE	HW	HOT WATER	RM	ROOM
CG	CORNER GUARD			RTU	ROOF TOP UNIT
CHAN	CHANNEL	IN	INCH		
CJ	CONTROL JOINT	ID	INSIDE DIAMETER	SC	SITE CONTRACTOR
CJT	CONSTRUCTION JOINT	INSUL	INSULATION	SCJ	STUCCO CONTROL JOINT
CL	CENTER LINE	INT	INTERIOR	SCR	SCREW
CLG	CEILING	INV	INVERT	SECT	SECTION
CLR	CLEAR	IA	INVERT ELEVATION	SEL	SELECT
CM	CENTIMETER			SF	SQUARE FEET
CMU	CONCRETE MASONRY UNIT	JAN	JANITOR	SHT	SHEET
CO	CLEAN OUT	J-BOX	JUNCTION BOX	SMS	SHEET METAL SCREW
COL	COLUMN	JT	JOINT	SDG	SIDING
CONC	CONCRETE	JST	JOIST	SIM	SIMILAR
CONN	CONNECTION			SLDG	SLIDING
CONST	CONSTRUCTION	K	KIPS (1000LBS)	SM	SMOOTH
CONT	CONTINUOUS	KP	KICK PLATE	SOV	SHUT OFF VALVE
CONTR	CONTRACTOR	KV	KILOVOLT	SPEC	SPECIFICATION
CORG	CORRUGATED	KVA	KILOVOLT-AMPS	SPL	SPLASH
CT	CERAMIC TILE	KW	KILOWATT	SQ	SQUARE
CTR	COUNTER	KWH	KILOWATT-HOUR	SS	STAINLESS STEEL
CTSK	COUNTERSUNK			STC	SOUND TRANSMISSION CLASS
CV	CHECK VALVE	LAM	LAMINATED	STD	STANDARD
CW	COLD WATER	LAV	LAVATORY	STL	STEEL
CWP	COLD WATER PIPE	LB	POUNDS	STRUCT	STRUCTURE
		LDG	LANDING	SUSP	SUSPENDED
DIA, Ø	DIAMETER	LF	LINEAR FEET	SW,BD.	SWITCHBOARD
DB	DECIBEL	LG	LENGTH	SYM	SYMMETRICAL
DBL	DOUBLE	LL	LIVE LOAD		
DC	DIRECT CURRENT	LLH	LONG LEG HORIZONTAL	TC	TOP OF CURB
DEG.°	DEGREE	LLV	LONG LEG VERTICAL	TG	TEMPERED GLASS
DET	DETAIL	LOC	LOCATION	THRU	THROUGH
DIAG	DIAGONAL	LONG	LONGITUDINAL	TO	TOP OF
DIM	DIMENSION	LT	LIGHT	TOA	TOP OF STEEL DECK
DISP	DISPENSER	LTH	LATH	TSTAT	THERMOSTAT
DL	DEADLOAD	LVR	LOUVER	TYP	TYPICAL
DN	DOWN	LWC	LIGHT WEIGHT CONCRETE		
DP	DAMP PROOFING			UL	UNDERWRITERS LABORATORIES
DS	DOWNSPOUT	M	METER	UNO	UNLESS NOTED OTHERWISE
DWG	DRAWING	MATL	MATERIAL	UPS	UNINTERRUPTIBLE POWER SUPPLY
DWGS	DRAWINGS	MAX	MAXIMUM		
DWL	DOWEL	MCJ	MASONRY CONTROL JOINT		
		MECH	MECHANICAL	V	VENT
EC	ELECTRICAL CONTRACTOR	MTL	METAL	VA	VOLT-AMPRE
EDF	ELECTRIC DRINKING FOUNTAIN	MFR	MANUFACTURER	VERT	VERTICAL
		MH	MAN HOLE	VG	VERTICAL GRAIN
EF	EXHAUST FAN	MIN	MINIMUM	VEST	VESTIBULE
EIFS	EXTERIOR INSULATING FINISHING SYSTEM	ML	METAL LATH	VCA	VINYL COMPOSITION TILE
		MLDG	MOULDING	VCP	VITREOUS CLAY PIPE
EJ	EXPANSION JOINT	MO	MASONRY OPENING	VTR	VENT THROUGH ROOF
EL	ELECTRIC	MR	MOISTURE RESISTANT		
ELEV	ELEVATION	MSW	MAIN SWITCHBOARD		
EMP	EMPLOYEE	MTD	MOUNTED	WB	WATER BASE
ENG	ENGINEER	MULL	MULLION	WC	WATER CLOSET
EQ	EQUAL			WCO	WALL CLEANOUT
EQUIP	EQUIPMENT	N/A	NOT APPLICABLE	WD	WOOD
EXH	EXHAUST	NG	NATURAL GRADE	WDW	WINDOW
EXIST	EXISTING	NIC	NOT IN CONTRACT	WF	WIDE FLANGE
EXP	EXPANSION	NL	NIGHT LIGHT	WH	WATER HEATER
EXT	EXTERIOR	NOM	NOMINAL	W	WITH
		NTS	NOT TO SCALE	WO	WITHOUT
FA	FIRE ALARM	NO	NUMBER	WO	WALL OPENING
FACP	FIRE ALARM CONTROL PANEL	NPS	NATIONAL PIPE SIZE	WP	WEATHER PROOF
FCO	FLOOR CLEANOUT			WW	WINDOW WALL
FD	FLOOR DRAIN	OA	OVERALL	WWF	WELDED WIRE FABRIC
FT	FEET	OBS	OBSERVE	WWM	WELDED WIRE MESH
FIN	FINISH	OC	ON CENTER	WL	WIND LOAD
FO	FINISH OPENING	OD	OUTSIDE DIAMETER		
FIXT	FIXTURE	OFS	OVERFLOW SCUPPER	XFMR	TRANSFORMER
FL	FLASHING	OFD	OVERFLOW DRAIN		
FLR	FLOOR	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION		
FF	FINISHED FLOOR				
FLOUR	FLOURESCENT	OPNG	OPENING		

GENERAL NOTES:

ALL PARTIES INVOLVED WITH THIS PROJECT SHALL BECOME FAMILIAR WITH AND ARE REQUIRED TO UTILIZE PETSMART'S WEBSITE (www.petsmartstores.com) FOR ALL INFORMATION, CORRESPONDENCE AND COORDINATION THRU-OUT THE CONSTRUCTION PROCESS. ALL WEBSITE ACCESS/CONTROL WILL BE COORDINATED WITH PETSMART INC.

ALL WORK AND MATERIALS SHALL BE THE BEST OF THE RESPECTIVE KINDS SPECIFIED AND INDICATED. SHOULD ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE NOT DIRECTLY OR INDIRECTLY CALLED FOR IN THE PROJECT MANUAL AND/OR SHOWN ON THE DRAWINGS, BUT WHICH ARE NECESSARY FOR PROPER FULFILLMENT OF THE INTENT THEREFORE, SAID WORKMANSHIP OR MATERIALS SHALL BE THE SAME AS SIMILAR PARTS THAT ARE DETAILED, INDICATED OR SPECIFIED, AND THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS SHALL UNDERSTAND THE SAME TO BE IMPLIED AND PROVIDE FOR IT IN HIS PROPOSAL AS FULLY AS IF IT WERE PARTICULARLY DESCRIBED OR DELINEATED.

NOTE:
THIS DESIGN CRITERIA IS PROVIDED FOR BUILDING OFFICIAL REVIEW, CONVENIENCE ONLY AND IS NOT INTENDED FOR USE BY COMPONENT DESIGNERS OR MANUFACTURERS AS THEIR SOLE DESIGN CRITERIA WITHOUT VERIFICATION. EACH DESIGNER AND/OR MANUFACTURER MUST INDEPENDENTLY CONFIRM ALL CODE CRITERIA WITH WHICH RESPECTIVE ELEMENTS OR COMPONENTS MUST COMPLY, INCLUDING BUT NOT LIMITED TO LOADING, APPLICATION, FUNCTIONALITY, ETC. PERFORMANCE CRITERIA PROVIDED SHOULD BE REGARDED AS THE MINIMUM STANDARDS ACCEPTABLE TO THE CLIENT. EACH SUPPLIER MUST EVALUATE THESE MINIMUMS AGAINST SPECIFIC INDUSTRY STANDARDS AS WELL AS ALL APPLICABLE CODES, LAWS, ORDINANCES, AND UNDERWRITER REQUIREMENTS GOVERNING THE PRODUCT AS WELL AS OWNER INSURER REQUIREMENTS, AS APPLICABLE. THE MOST STRINGENT OF THESE CRITERIA SHALL GOVERN.

NOTES TO CONTRACTORS REGARDING MOLD AND MILDEW

1. THE FOLLOWING REQUIREMENTS SHALL APPLY TO ALL NEW AND REMODEL CONSTRUCTION PROJECTS.
2. IN THE EVENT THE CONTRACTOR DISCOVERS, AT ANY TIME DURING DEMOLITION, CONSTRUCTION, AND/OR REMODELING OPERATIONS, EXISTING CONDITIONS THAT COULD INCLUDE THE PRESENCE OF MOLD AND/OR MILDEW, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND THE PROFESSIONAL OF RECORD, IN WRITING, OF THE CONCERNS AND/OR SUSPICIONS.
3. CONCURRENTLY, THE CONTRACTOR SHALL BE RESPONSIBLE TO RETAIN A MOLD AND MILDEW CERTIFIED TESTING AGENCY TO PERFORM AN INVESTIGATION AND TESTING AS REQUIRED TO EVALUATE THE NATURE AND EXTENT OF THE PROBLEM. IF THE TESTING AGENCY CONFIRMS HAZARDS, THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A MINIMUM OF TWO (2) BIDS FROM COMPANIES QUALIFIED AND LICENSED TO PERFORM ALL NECESSARY REMEDIATION WORK, COMPLYING WITH ALL LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS, CODES, AND STATUTES.
4. ONCE DISCOVERY OR SUSPICION OF MOLD AND/OR MILDEW IS MADE, THE CONTRACTOR SHALL TAKE ALL REASONABLE AND PRACTICAL PRECAUTIONS TO PROTECT ALL CONSTRUCTION PERSONNEL AND THE PUBLIC FROM EXPOSURE TO MOLD AND/OR MILDEW, AND SUCH PRECAUTIONS SHALL REMAIN IN PLACE UNTIL SUCH TIME AS THE OWNER OR HEALTH AUTHORITY DIRECTS OTHERWISE. CONSTRUCTION OPERATIONS SHALL NOT BE STOPPED OR CURTAILED, EXCEPT IN THE AREA OF MOLD/MILDEW CONCERN, DUE TO THESE REQUIRED PRECAUTIONS.
5. THE CONTRACTOR SHALL MAKE ALL REASONABLE EFFORTS TO AVOID CONDITIONS FAVORABLE TO THE DEVELOPMENT OF MOLD AND MILDEW, ESPECIALLY IN VOIDS WHICH WILL BE CONCEALED AND NOT VENTILATED. IN ALL CASES, INTERIOR SPACES AND INTERIOR FINISHED CONSTRUCTION SHALL BE MAINTAINED IN DRY AND WELL-VENTILATED CONDITIONS.
6. THE CONTRACTOR SHALL COMPLY WITH FEDERAL ENVIRONMENTAL AND OSHA REGULATIONS AND ALL LOCAL AND STATE HEALTH DEPARTMENT REQUIREMENTS AND RECOMMENDATIONS REGARDING MOLD AND MILDEW.
7. ALL PENETRATIONS SHALL BE SEALED WATER-TIGHT TO PREVENT MOISTURE MIGRATION FROM ENTERING THE BUILDING OR WALL CAVITIES.
8. ALL CONDENSATE DRAIN PANS SHALL BE CLEANED AND KEPT FREE FROM DEBRIS UNTIL AND WHEN THE FACILITY IS TURNED OVER TO THE OWNER OR TENANT. INSURE POSITIVE DRAINAGE AT ALL DRAIN PANS. INSURE THAT ALL "COLD" SURFACES ARE INSULATED AND COVERED WITH A FULLY SEALED AND CONTINUOUS VAPOR BARRIER. ("COLD" SURFACES INCLUDE, BUT ARE NOT LIMITED TO, DOMESTIC COLD WATER PIPING, CHILLED WATER PIPING, INTERIOR RAIN LEADERS, OUTDOOR AIR INTAKES, AND DUCTWORK CARRYING AIR CONDITIONED SUPPLY AIR.)
9. INSURE THAT THERE ARE NO WATER LEAKS IN CONCEALED PLUMBING CHASES, RETURN AIR PATHS AND PLENUMS SHALL BE KEPT DRY. ALL EXISTING SUPPLY AIR PATHS AND ALL EXISTING DUCTWORK TO BE RE-USED SHALL BE CLEANED AND TREATED AS REQUIRED TO REMOVE THE POTENTIAL FOR MOLD AND MILDEW. ALL DAMP AREAS SHALL BE DRIED THOROUGHLY PRIOR TO ENCLOSURE.

THIS DRAWING SET IS TO BE VIEWED AS A WHOLE. ALL WORK PERTAINING TO A SPECIFIC CONTRACTOR MAY OR MAY NOT BE SHOWN ON SPECIFIC DRAWING SECTIONS. IT IS EACH SUBCONTRACTOR'S RESPONSIBILITY TO PREPARE THEIR BID FROM A COMPLETE SET OF CONSTRUCTION DOCUMENTS (PLANS AND SPECIFICATIONS). PLANS TO BE READ IN CONJUNCTION WITH SPECIFICATION MANUAL.

PROJECT INFORMATION:

PROJECT ADDRESS: STREET ADDRESS CITY, PROVINCE, 000 000

PROJECT DESCRIPTION: RETAIL STORE

DESIGN CODES:
BUILDING: 2012 ONTARIO BUILDING CODE
MECHANICAL: ASHRAE 62.1
ELECTRICAL: ELECTRICAL SAFETY (ESA)
SPRINKLER: NFPA-13
ENERGY: ASHRAE 90.1

LEASE AREA SQ. FOOTAGE: 13,995 SF
OCCUPANCY AREA SQ. FOOTAGE: 13,380 SF

OCCUPANCY: MERCANTILE
CONSTRUCTION TYPE: NON-COMBUSTIBLE
SITE ZONING: COMMERCIAL

SITE CLASS: -
SEISMIC ZONE: -

DESIGNER NOTE: COORDINATE SQ.FT. W/ SHEET A1.0 FOR LEASE AND OCCUPANCY AREA'S FOR EACH PROJECT

SYMBOLS LEGEND :

ROOM NAME (XXX) - ROOM NAME (TOP) AND ROOM NUMBER (BOTTOM)

X (AX.X) - INTERIOR ELEVATION-ELEVATION NO. (OUTSIDE) SHEET NO. (INSIDE)

X (AX.X) - DETAIL REFERENCE-DETAIL NO. (TOP), SHEET NO. (BOTTOM)

X (AX.X) - BUILDING SECTION-SECTION NO. (TOP), SHEET NO. (BOTTOM)

- WALL SECTION-SECTION NO. (TOP), SHEET NO. (BOTTOM)

X - BUILDING COLUMN GRID LINE

GXX - KEYED NOTE-SEE KEYED NOTES ON DRAWING A0.1

X—X - BUILDING MATERIAL - SEE FINISH SCHEDULE ON DRAWING A7.0

001 - FIXTURE REFERENCE-SEE EQUIPMENT COORDINATION SCHEDULE ON F1.0

WX - PARTITION TYPE - SEE WALL TYPES ON DRAWING A9.0

XXX - DOOR NUMBER, SEE DRAWINGS A6.0 AND 6.1 FOR DOOR SCHEDULE

GX - WINDOW TYPE, SEE DRAWING A6.1 FOR WINDOW SCHEDULE

PROJECT DIRECTORY:

Planning & Zoning
NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE : -
FAX : -
CONTACT: -

Building Safety
NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE : -
FAX : -
CONTACT: -

Fire Safety
NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE : -
FAX : -
CONTACT: -

Telephone Company
NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE : -
FAX : -
CONTACT: -

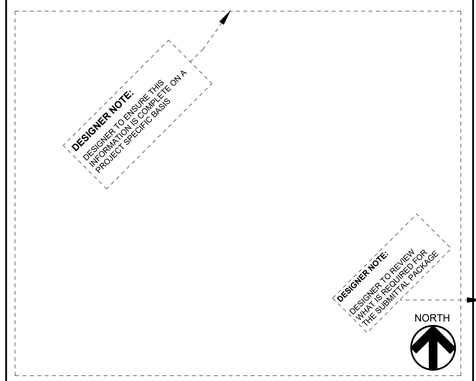
Gas Company
NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE : -
FAX : -
CONTACT: -

Water Company
NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE : -
FAX : -
CONTACT: -

Sewer Company
NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE : -
FAX : -
CONTACT: -

Electric Company
NAME
STREET ADDRESS
CITY, PROVINCE, POSTAL CODE
PHONE : -
FAX : -
CONTACT: -

VICINITY MAP:



DESIGNER NOTE: DESIGNER TO CONFIRM THIS INFORMATION IS COMPLETE ON A PROJECT SPECIFIC BASIS

SHEET INDEX:

ARCHITECTURAL

A0.0	TITLE SHEET
F1.0	FIXTURE REFERENCE PLAN
F2.0	PRODUCT SCHEDULE
A0.1	ARCHITECTURAL KEY NOTES
A0.2	ACCESSIBILITY DETAILS
A1.0	LIFE SAFETY PLAN
A2.0	FLOOR & FINISH PLAN
A2.1	ENLARGED FLOOR PLAN
A2.2	ENLARGED FLOOR PLANS
A3.0	ENLARGED REFLECTED CEILING
A3.1	ENLARGED REFLECTED CEILING
A4.0	EXTERIOR ELEVATIONS
A5.0	ROOF PLAN
A6.0	DOOR SCHEDULE AND DETAILS
A6.1	STOREFRONT DETAILS
A7.0	ROOM FINISH SCHEDULE
A8.0	INTERIOR ELEVATIONS
A8.1	INTERIOR ELEVATIONS
A8.2	INTERIOR ELEVATIONS
A8.3	INTERIOR ELEVATIONS
A9.0	WALL TYPES
A10.0	WALL SECTIONS AND DETAILS
A10.1	WALL SECTIONS
A11.0	DETAILS
A12.0	DETAILS

STRUCTURAL

S1.0	GENERAL NOTES
S1.1	TYPICAL DETAILS
S1.2	TYPICAL DETAILS
S1.3	TYPICAL DETAILS
S2.0	FOUNDATION PLAN
S2.1	ROOF FRAMING PLAN
S3.0	ELEVATIONS
S4.0	SCHEDULES, PIER DETAILS & FOUNDATION SECTIONS
S5.0	WALL SECTIONS

MECHANICAL

M1.0	MECHANICAL FLOOR PLAN
M1.1	ENLARGED FLOOR PLANS
M1.2	ENLARGED FLOOR PLANS
M2.0	MECHANICAL DETAILS / SYMBOLS

PLUMBING

P0.1	PLUMBING KEY NOTES
P1.0	PLUMBING FLOOR PLAN
P1.1	ENLARGED FLOOR PLANS
P2.0	PLUMBING DETAILS
P3.0	SCHEMATIC AND SCHEDULES

FIRE PROTECTION

FP1.0	FIRE PROTECTION FLOOR PLAN

ELECTRICAL

E0.1	ELECTRICAL NOTES, SYMBOLS & ONE-LINE DIAGRAM
E0.2	PANEL LOAD SCHEDULES
E1.0	LIGHTING FLOOR PLAN
E2.0	ENLARGED POWER FLOOR PLAN
E2.1	ENLARGED POWER FLOOR PLAN
E3.0	ELECTRICAL DETAILS
EM1	ENERGY MANAGEMENT
EM2	ENERGY MANAGEMENT
EDC	DATA & CABLING PLAN

SCOPE OF WORK:

THE SCOPE OF THE PROJECT INCLUDES THE CONSTRUCTION OF THE EXTERIOR SHELL AND INTERIOR BUILD-OUT OF A 13,995 S.F. RETAIL SPACE LOCATED AT ***SHOPPING CENTER NAME*** AT ***STREET ADDRESS***. THE TENANT IS A RETAIL PET SUPPLY STORE WITH PET GROOMING SERVICES.

DEFERRED SUBMITTALS:

1. FIRE ALARM DRAWINGS: IF REQUIRED THE FIRE ALARM SYSTEM SHALL BE SUBMITTED UNDER A SEPARATE PERMIT AND COVER TO THE BUILDING DEPARTMENT BY A LICENSED FIRE ALARM CONTRACTOR.
2. FIRE SPRINKLER DRAWING: IF REQUIRED THE FIRE SPRINKLER SYSTEM SHALL BE SUBMITTED UNDER A SEPARATE PERMIT AND COVER TO THE BUILDING DEPARTMENT BY A LICENSED FIRE SPRINKLER CONTRACTOR.
3. EXTERIOR SIGNAGE.

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:
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.
THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: C40045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 1 OF: 53

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

1"

DISCIPLINE: ARCHITECTURAL

TITLE:
TITLE SHEET

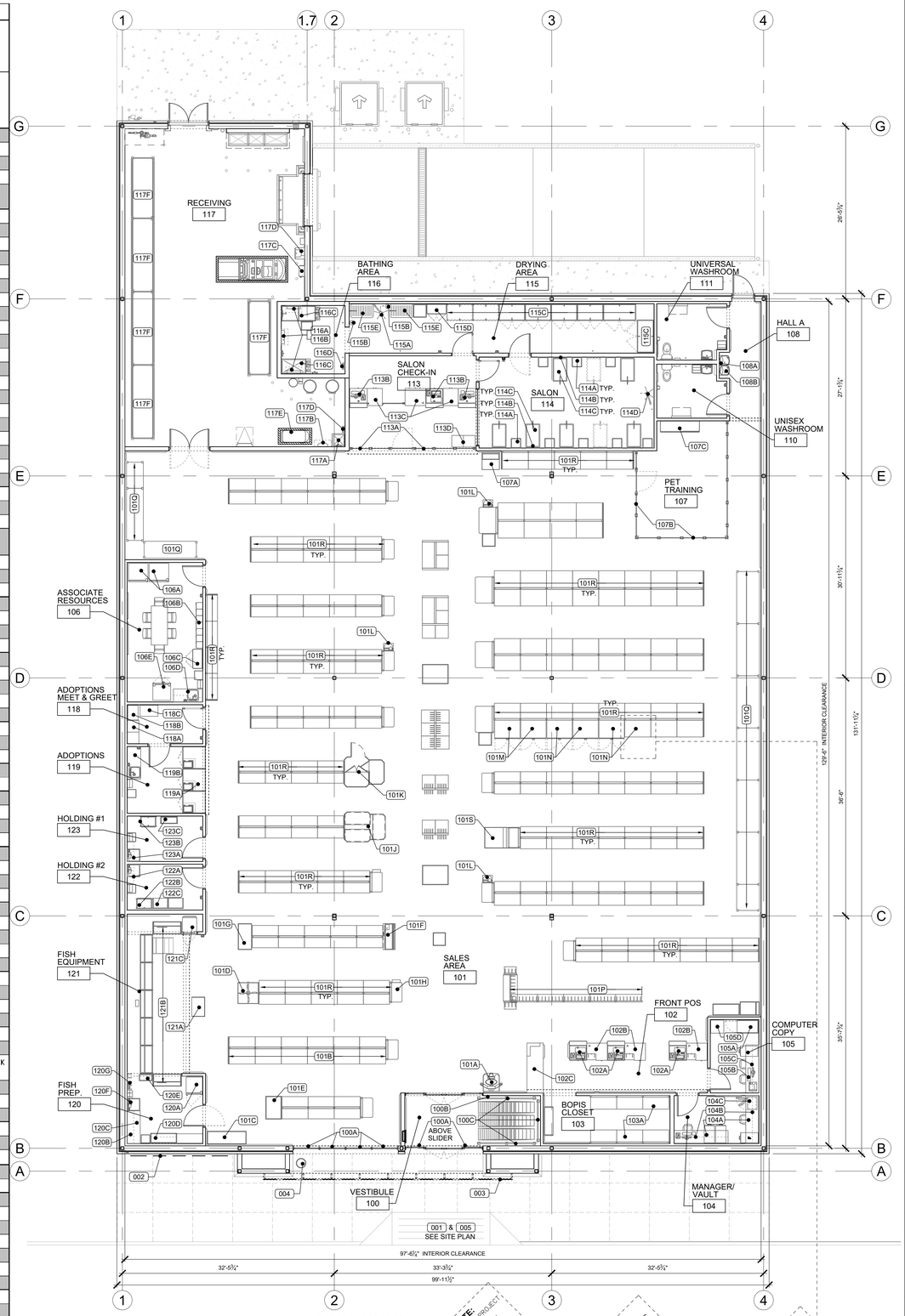
SHEET NUMBER:
A0.0

EQUIPMENT COORDINATION SCHEDULE

GENERAL NOTES:

1. ALL ITEMS NOTED AS ***** ARE SUPPLIED AND INSTALLED IN THE MILLWORK PACKAGE BY THE NATIONAL ACCOUNT MILLWORK VENDOR AS PART OF THE G.C. SCOPE AND PRICE.
2. MILLWORK ITEMS NOTED AS (PAID FOR BY PETSMART) ARE NOT A PART OF THE G.C. PRICE BUT ARE STILL DELIVERED AND INSTALLED AS PART OF THE G.C. MILLWORK PACKAGE .
3. ALL MILLWORK IS TO RECEIVE RUBBER COVE BASE WHICH IS SUPPLIED AND INSTALLED BY THE G.C.
4. ALL BLOCKING AND BACKING IS SUPPLIED AND INSTALLED BY THE G.C.

ROOM NAME & NUMBER	FIXTURE REFERENCE NUMBER	ITEM	SUPPLIED AND INSTALLED BY OTHERS	SUPPLIED BY OTHERS INSTALLED BY G.C.	SUPPLIED AND INSTALLED BY G.C.	ELECTRICAL REQUIRED BY G.C.	PLUMBING REQUIRED BY G.C.	PLUMBING FINAL CONNECTION BY G.C.	REMARKS
BUILDING EXTERIOR	001	PET CLEANUP STATION (EXTERIOR)		●					ALLOW FOR 4 BOLT MOUNTS TO HARD LANDSCAPE.
	002	COMING SOON BANNER			●				SEE A0.1 FOR ORDER FORM.
	003	BIRD DETERRENT			●	●			SUPPLIED BY NATIONAL ACCOUNT LIGHTING VENDOR AS PART OF G.C. SCOPE.
	004	ASH/TRASH CAN			●				SEE F2.0 FOR SPEC AND REQUIRED VENDOR. (MATCH CENTER SPEC WHEN REQUIRED)
	005	CART CORRAL			●				INSTALL CART CORRAL(S) AT FRONT PARKING FIELD FOR PUNCH INSPECTION DATE. SEE SITE PLAN ON A0.0 FOR LOCATION. SEE F2.0 FOR SPEC AND REQUIRED VENDOR.
VESTIBULE 100	100A	WINDOW BLINDS			●				SEE F2.0 FOR SPEC AND REQUIRED VENDOR.
	100B	FIRE SAFETY PLAN			●				SEE F2.0 FOR SPEC AND REQUIRED VENDOR.
	100C	CART BUMPER			●				SEE F2.0 FOR SPEC AND REQUIRED VENDOR.
SALES AREA 101	101A	TAG MACHINE	●			●			
	101B	LARGE AQUARIUMS DISPLAY	●			●			
	101C	6' TANK DISPLAY	●			●			
	101D	PLANT DISPLAY FIXTURE	●			●			
	101E	BETTA FIXTURE	●			●			
	101F	REPTILE HABITAT	●			●			
	101G	REPTILE FEEDER FIXTURE	●			●			
	101H	SHO3 FIXTURE	●			●			
	101J	SMALL ANIMAL HABITAT	●			●			
	101K	BIRD HABITAT	●			●			
	101L	PET CLEANUP STATION (INTERIOR)	●						
	101M	COOLER (NATURALS)	●			●			
	101N	FREEZER (NATURALS)	●			●			ONTARIO STORES ONLY TO RECEIVE 4 FREEZERS, 3 FOR ALL OTHERS.
	101P	QUEUE LINE SHELVING	●						
	101Q	MINI STEEL RACKING	●						
	101R	SHELVING	●			●			SEE ELECTRICAL DRAWINGS FOR POWER DROPS AND DETAILS.
	101S	N & J FIXTURE	●						
FRONT POS 102	102A	TERMINAL CABINET			●	●			***** SEE GENERAL NOTES ABOVE
	102B	SERVICES CABINET			●	●			***** SEE GENERAL NOTES ABOVE
	102C	BOPIS CABINET			●	●			***** SEE GENERAL NOTES ABOVE
BOPIS CLOSET 103	103A	SHELVING	●						
MANAGER/ VAULT 104	104A	COUNTER			●				***** SEE GENERAL NOTES ABOVE
	104B	SHELVING			●				***** SEE GENERAL NOTES ABOVE
	104C	SAFE	●						
COMPUTER COPY 105	105A	IS RACK	●			●			
	105B	COUNTER			●				***** SEE GENERAL NOTES ABOVE
	105C	SHELVING			●				***** SEE GENERAL NOTES ABOVE
	105D	SHRED BIN	●						
ASSOCIATE RESOURCES 106	106A	VENDING MACHINE	●			●			
	106B	LOCKERS	●						
	106C	STORAGE CABINET	●						
	106D	SINK CABINET MILLWORK			●	●	●	●	***** SEE GENERAL NOTES ABOVE
	106E	REFRIGERATOR	●			●	●	●	PLUMBING REQUIRED FOR ICE/WATER DISPENSER IN ASSOCIATE RESOURCES ONLY.
PET TRAINING 107	107A	PET TRAINING PODIUM			●				***** SEE GENERAL NOTES ABOVE (PAID FOR BY PETSMART)
	107B	FENCE AND GATE			●				***** SEE GENERAL NOTES ABOVE
	107C	TRAINING CABINET			●				***** SEE GENERAL NOTES ABOVE (PAID FOR BY PETSMART)
HALL A 108	108A	STAINLESS STEEL SHELF			●				SUPPLIED BY NATIONAL ACCOUNT PLUMBING VENDOR AS PART OF G.C. SCOPE.
	108B	WATER FOUNTAIN			●	●	●	●	
SALON CHECK-IN 113	113A	FENCE AND GATE			●				***** SEE GENERAL NOTES ABOVE
	113B	TERMINAL CABINET			●	●			***** SEE GENERAL NOTES ABOVE
	113C	SERVICES CABINET			●	●			***** SEE GENERAL NOTES ABOVE
	113D	BENCH	●						
SALON 114	114A	CUTTING STATIONS	●						***** SEE GENERAL NOTES ABOVE
	114B	MIRRORS			●				***** SEE GENERAL NOTES ABOVE
	114C	CUTTING TABLES	●			●			
	114D	FLUFF DRYER	●			●			
DRYING AREA 115	115A	FLUFF DRYER	●			●			
	115B	MASTER BLASTER DRYER	●			●			BRACKETS ONLY ARE SUPPLIED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
	115C	ROLLING CAGES	●						
	115D	STORAGE CABINET	●						
	115E	DRYING TABLES	●						
BATHING AREA 116	116A	PROPORTIONER			●		●	●	***** SEE GENERAL NOTES ABOVE
	116B	SHELVING			●				***** SEE GENERAL NOTES ABOVE
	116C	TUBS	●						G.C. RESPONSIBLE FOR HARD PIPE WASTE CONNECTION IF REQUIRED BY CODE.
	116D	EYE WASH	●						NO PLUMBING REQUIRED.
RECEIVING 117	117A	MOP SINK			●		●	●	
	117B	CHEMICAL MIXING SYSTEM	●						G.C. RESPONSIBLE FOR BACKFLOW PREVENTER IF REQUIRED BY CODE.
	117C	BATTERY CHARGER		●		●			BATTERY CHARGER SUPPLIED BY PETSMART AND INSTALLED BY G.C. AND E.C. UNIT ARRIVES THE WEEK BEFORE THE MILLWORK DATE AND MUST BE INSTALLED IMMEDIATELY.
	117D	EYE WASH	●						NO PLUMBING REQUIRED.
	117E	FLOOR SCRUBBER	●			●	●		FLOOR DRAIN ONLY IS REQUIRED.
	117F	RECEIVING AREA RACKING	●						
ADOPTIONS MEET & GREET 118	118A	BENCH	●						
	118B	WIRE SHELF	●						
	118C	ROLLING ADOPTIONS DESK			●				***** SEE GENERAL NOTES ABOVE (PAID FOR BY PETSMART)
ADOPTIONS 119	119A	ADOPTION CAGES			●				***** SEE GENERAL NOTES ABOVE
	119B	SINK CABINET			●		●	●	***** SEE GENERAL NOTES ABOVE
FISH PREP 120	120A	FISH REFRIGERATOR	●			●			
	120B	SHELVING			●				***** SEE GENERAL NOTES ABOVE
	120C	STANLESS STEEL TABLE			●				***** SEE GENERAL NOTES ABOVE
	120D	STAINLESS STEEL SHELF			●				***** SEE GENERAL NOTES ABOVE
	120E	WATER FILTRATION SYSTEM	●				●	●	
	120F	CHEMICAL MIXING SYSTEM	●						G.C. RESPONSIBLE FOR BACKFLOW PREVENTER IF REQUIRED BY CODE.
	120G	EYE WASH	●						NO PLUMBING REQUIRED.
FISH EQUIPMENT 121	121A	BAG STATION			●				***** SEE GENERAL NOTES ABOVE (PAID FOR BY PETSMART)
	121B	FISH TANK DISPLAY	●			●			ANCHORED BY FISH EQUIPMENT SUPPLIER.
	121C	FISH FREEZER	●			●			
HOLDING #2	122A	SHELVING			●				***** SEE GENERAL NOTES ABOVE
	122B	QUARANTINE CAGE			●				***** SEE GENERAL NOTES ABOVE (PAID FOR BY PETSMART)
	122C	HOLDING CAGE			●				***** SEE GENERAL NOTES ABOVE (PAID FOR BY PETSMART)
HOLDING #1	123A	SHELVING			●				***** SEE GENERAL NOTES ABOVE
	123B	QUARANTINE CAGE			●				***** SEE GENERAL NOTES ABOVE (PAID FOR BY PETSMART)
	123C	TANK	●						



1 / F1.0 FIXTURE REFERENCE PLAN

SCALE: 1/8" = 1'-0"

NORTH

DESIGNER NOTE: ON A PROJECT SPECIFIC BASIS, THERE ARE 4 DIFFERENT FLOOR PLAN LAYOUTS FOR THIS PROJECT. THESE VARY IN THE LOCATION OF THE RECEIVING DOOR, DIRECTIONS OF THE SALES AREA AND CHECKOUTS, THE LOCATION OF THE FISH PREP AREA, AND THE LOCATION OF THE PROJECT NORTH. REFER TO THE PROJECT SPECIFIC FLOOR PLAN FOR THE CORRECT LAYOUT.

DESIGNER NOTE: VERIFY AREA ON A PROJECT SPECIFIC BASIS. THIS AREA IS MEASURED TO OUTSIDE FACE OF EXTERIOR BUILDING WALLS (INCLUDING ANY RECESS ETC.) AND TO CENTERLINE OF SHARED DEMISING WALLS

DESIGNER NOTE: ON A PROJECT SPECIFIC BASIS, THERE ARE 4 STORES TO RECEIVE 3 FREEZERS ONLY IN ONTARIO. ALL OTHER STORES TO RECEIVE 4.

LEASE AREA SQUARE FOOTAGE: 13,995 SQ. FT.

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

CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:
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.

THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146

DATE: 02.12.25

ORIGINAL SCALE: AS NOTED

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PAGE #: 2 OF: 53

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

1"

DISCIPLINE: ARCHITECTURAL

TITLE:

FIXTURE REFERENCE PLAN

SHEET NUMBER:

F1.0

(FORM VERSION 44 UPDATED 2.7.25)

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	**BNE CONTRACTORS INC.** 440 SHELDON DRIVE CAMBRIDGE, ON N1T 2C1 PRIMARY CONTACT: **CHRIS HENDERSON** P. (519) 743-7324 EXT. 122 C. (519) 465-2562 CHRIS@BNECONTRACTORS.COM
04810 - REINFORCED CONCRETE MASONRY	INTEGRAL WATER REPELLENT ADMIXTURE	DRY-BLOCK	W.R. GRACE & CO.
05210 - STRUCTURAL STEEL **05310 - METAL ROOF DECK**		PER SPECIFICATIONS & STRUCTURAL SHEETS	**CANAM GROUP INC.** 1739 DREW ROAD MISSISSAUGA, ON L5S 1J5 PRIMARY CONTACT: **MIKE HOLLLERAN** P. (905) 671-3460 C. (647) 225-9508 MICHAEL.HOLLERAN@CANAMGROUPINC.COM SECONDARY CONTACT: **BOB BELLIVEAU** P. (506) 857-3164 C. (506) 851-9933 ROBERT.BELLIVEAU@CANAMGROUPINC.COM
06402 - INTERIOR ARCHITECTURAL WOODWORK **09721 - WALL PANEL COVERING (FRP)**	ARCHITECTURAL WOODWORK & CASEWORK WALL PANEL COVERING SYSTEM	PER SPECIFICATIONS & ARCHITECTURAL SHEETS GC TO CONFIRM MANUFACTURERS INSTALLATION INSTRUCTIONS (NO EXCEPTIONS)	**ADVANCED FIXTURES INC. (AFI)** 2655 E. AUDIE MURPHY PKWY. FARMERSVILLE, TX 75442 PRIMARY CONTACT: **JACKSON BROOKS** P. (972) 784-8800 EXT. 235 C. (865) 696-4586 JBROOKS@ADVANCEDFIXTURES.COM PETSMARTPJM@ADVANCEDFIXTURES.COM
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. U.S.G. INTERIORS U.S.G. INTERIORS 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 PAREX STANDARD WATERMASTER SYSTEM - 7 YEAR WARRANTY	STO CORP. DRYVIT PAREX E.F.I.S.
07540 - MEMBRANE ROOFING SYSTEM	SINGLE PLY MEMBRANE ROOF SYSTEM	SURE WELD MECHANICALLY FASTENED	**CARLISLE SYNTEC INC.** PO BOX 700 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 CRB SUPPLY, INC., PHOENIX, AZ. P. (602) 271-0160
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 **08111 - PRE-FINISHED FRAMES** **08210 - WOOD DOORS** **08710 - FINISH HARDWARE**	HOLLOW METAL DOORS & FRAMES INTERIOR PRE-FORMED METAL DOOR FRAMES WOOD DOORS & RELATED ITEMS DOOR HARDWARE	PER SPECIFICATIONS & SHEET A6.0 PER SPECIFICATIONS & SHEET A6.0 PER SPECIFICATIONS & SHEET A6.0 PER SPECIFICATIONS & SHEET A6.0	**COOK AND BOARDMAN** 345 MASON RD. LA VERGNE, TN 37086 PRIMARY CONTACT: **TAMMY WILLIAMS** P. (615) 903-9036 PETSMART@COOKANDBOARDMAN.COM TWILLIAMS@COOKANDBOARDMAN.COM SECONDARY CONTACT: **KEVIN JOHNSON** P. (615) 964-6000 EXT. 4521 PETSMART@COOKANDBOARDMAN.COM KJOHNSON@COOKANDBOARDMAN.COM
	RODENT RESISTANT DOOR SWEEPS	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. 1184 C. (847) 269-4005 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 OLTMANNS** P. (714) 402-6265 GOLTMANNS@SENNECA.COM
08311 - ACCESS DOORS AND FRAMES	METAL ACCESS DOOR & RELATED ITEMS	KRVB, KDW, DSC-214FL & DSC-214M	KARP ASSOCIATES, MASPETH N.Y. EQUAL BY BILCO
08363 - SECTIONAL OVERHEAD DOORS **11160 - LOADING DOCK EQUIPMENT**	SECTIONAL OVERHEAD DOOR VERTICAL DOCK LEVELER - HYDRAULIC DOCK BUMPERS WHEEL CHOCK SAFETY KIT (CHOCK & SIGN) DOCK SEALS CONTROL BOX TRACK GUARDS PIT MOUNTED SCISSOR LIFT (AS APPLICABLE ONLY) SURFACE MOUNTED SCISSOR LIFT (AS APPLICABLE ONLY)	SECTIONAL 592 SERIES BLUE GIANT - V7006H BLUE GIANT - DB512 BLUE GIANT - 038-21E/720-5000/090-486-1 BLUE GIANT - BG100V-22 BLUE GIANT - SP1 BLUE GIANT BLUE GIANT - DL12-72X96-14 SERCO - MODEL #SDL68-8	**BLUE GIANT CORP** 410 ADMIRAL BLVD. MISSISSAUGA, ON L5T 2N6 PRIMARY CONTACT: **ROSS TRIMBLE** P. (905) 457-3900 C. (647) 325-0761 RTRIMBLE@BLUEGIANT.COM SECONDARY CONTACT: **CHRIS WANG** P. (905) 457-3900 EXT. 5382 C. (416) 589-6294 CWANG@BLUEGIANT.COM

DESIGNER NOTE: ON A PROJECT SPECIFIC BASIS, IF THE STORE DESIGN INCLUDES EXTERIOR DOORS AND WINDOWS TO EXTERIOR PATIO, REFER TO PERTINENT PROTOTYPE APPLICABLE REQUIREMENTS. VERIFY WINDLOAD REQUIREMENTS AND VERIFY EACH INDIVIDUALLY WITH LOCAL CODE AND JURISDICTIONS. VERIFY EACH INDIVIDUALLY WITH LOCAL CONTRACTS AS REQUIRED BY VENDOR.

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	**UNIFIED DOOR AND HARDWARE** 14400 COLLEGE BLVD. SUITE 100 LENEXA, KS 66215 PRIMARY CONTACT: **TERRY SIEGRIST** P. (717) 522-7003 C. (717) 286-4023 PETSMART@AMERICANDIRECTCO.COM SECONDARY CONTACT:**CHERILYN HOSTETLER** C. (717) 622-7008 CHERILYNH@AMERICANDIRECTCO.COM PETSMART@AMERICANDIRECTCO.COM
	INTERIOR ALUMINUM DOORS	500 SERIES WIDE STILE (USED ONLY WHEN DOORS REQUIRE KEYPAD PER HARDWARE GROUP)	
	INTERIOR ALUMINUM WINDOWS & DOOR FRAMES	300 SERIES CLEAR ANODIZED W/ KD FRAME & 304RM TRIM	
08461 - SLIDING AUTOMATIC ENTRANCE DOORS	AUTOMATIC SLIDING DOORS AND CONTROLS	MODEL #SL500 EXTERIOR DOORS W/ TRANSOM & PREPPED FOR 1" INSULATED GLASS	**ASSA ABLOY ENTRANCE SYSTEMS INC** 40095 SLADEVIEW CRESCENT, UNITS 3&4 MISSISSAUGA, ON L5L 6B1 PRIMARY CONTACT: **FAHIM UMAID** P. (905) 569-5221 C. (416) 452-7447 FAHIM.UMAID@ASSAABLOY.COM
08800 - GLAZING	1" INSUL. EXT. TEMPERED PERFORMANCE GLASS 1/4" INT. GLASS (TEMPERED	SOLARGRAY + SOLARBAN (60) C (CLEAR) SINGLE PANE	PPG INDUSTRIES PPG INDUSTRIES
09260 - GYPSUM BOARD ASSEMBLIES	GYPSUM WALLBOARD METAL STUD FRAMING SOUND ATTENUATION INSULATION WATER RESISTANT INTERIOR PANEL	 PER SHEET A9.0 TYPE 1 DENSARMOUR PLUS	U.S.G. INTERIORS OR GEORGIA PACIFIC U.S.G. INTERIORS U.S.G. INTERIORS GEORGIA PACIFIC
09310 - CERAMIC TILE	WALL CERAMIC TILE MORTAR GROUT FINISHING & EDGE PROTECTION	PER SHEET A7.0 & ALL ELEVATION SHEETS PER SHEET A7.0 PER SHEET A7.0 PER SHEET A7.0	**DALTILE** 7834 C. F. HAWN FREEWAY DALLAS, TX 75217 PRIMARY CONTACT: **JENNA LASSEN** C. (480) 818-2269 JENNA.LASSEN@DALTILE.COM NATIONAL.ACCOUNTS@DALTILE.COM SECONDARY CONTACT: C. ( )
09650 - 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 15/16" 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 CORNER GUARDS CRASH RAIL	SALES AREAS: FR270 #410 BRUSHED SILVER FRP CORNER GUARD TYPE SSM-20ASAM, #410 BRUSHED SILVER FRP CRASH RAIL SCR-48MSAM, #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
10800 - TOILET AND BATH ACCESSORIES	TOILET PAPER DISPENSER PAPER TOWEL DISPENSER CENTER PULL PAPER TOWEL DISPENSER TOILET SEAT COVER DISPENSER	ITEM NO. 850187 KLEENLINE UNIVERSAL JUMBO SINGLE ROLE TISSUE DISPENSER. CORE: 3" WITH ADAPTER CONE. COLOR: BLACK ITEM NO. 850185 KLEENLINE HANDS FREE UNIVERSAL ROLL DISPENSER. CORE: 1.5"-2". COLOR: BLACK. (ALL RESTROOMS, HOLDING ROOMS, FISH PREP, ADOPTIONS, ASSOCIATE RESOURCES) ITEM NO. 855164 GEORGIA PACIFIC CENTERPULL TOWEL DISPENSER. COLOR: BLACK (ALL PET CLEANUP STATIONS) ITEM NO. HG-1-2 HOSPECO (BLACK)	**BRADY PLUS** 2400 SULLIVAN ROAD COLLEGE PARK, GA 30337 PRIMARY CONTACT: **JENNIFER WATTS** P. (800) 858-7230 EXT. 3907 JENNIFER.WATTS@BRADYPLUS.COM SECONDARY CONTACT: **DEAN PARHAM** C. (404) 862-9288 DEAN.PARHAM@BRADYPLUS.COM **ALL DISPENSERS FROM BRADY PLUS ARE PRE-PURCHASED BY PETSMART. GC IS TO REQUEST AN ORDER FORM FROM BRADY PLUS, PROVIDE THE QUANTITIES NEEDED, AND PROVIDE THE DATE WHEN NEEDED.**
	SOAP DISPENSER HAND SANITIZER DISPENSER	ITEM NO. D1224700 (BLACK) FOAM DISPENSER 1250 ML (ALL RESTROOMS, HOLDING ROOMS, FISH PREP, ADOPTIONS, ASSOCIATE RESOURCES) ITEM NO. D1224700 (BLACK) (ALL RESTROOMS, HOLDING ROOMS, FISH PREP, ADOPTIONS, ASSOCIATE RESOURCES, SALON, DRYING AREA)	**ODP BUSINESS SOULTIONS - CANADA** 200 AVIVA PARK DRIVE VAUGHN, ON L4L 9C7 PRIMARY CONTACT: **NATALIE BURTON** P. (514) 600-2241 C. (437) 339-7657 NATALIEBURTON@GRANDANDTOY.COM SECONDARY CONTACT: **ERICA KOCIJANCIC** C. (647) 631-5196 ERICAKOCIJANCIC@GRANDANDTOY.COM **ALL DISPENSERS FROM ODP ARE PRE-PURCHASED BY PETSMART. GC IS TO REQUEST AN ORDER FORM FROM ODP. PROVIDE THE QUANTITIES NEEDED, AND PROVIDE THE DATE WHEN NEEDED.**
	MIRROR SANITARY NAPKIN DISPOSAL GRAB BAR - HORIZONTAL/VERTICAL (L-SHAPE) GRAB BAR - HORIZONTAL GRAB BAR ANCHORS BABY CHANGING SHELF CLOTHES HOOK AND BUMPER STAINLESS STEEL SHELF	B-293 BOBRICK 18" x 36" TILT MIRROR B-270 BOBRICK STAINLESS STEEL - (SURFACE MOUNTED) 832-57 BOBRICK 30" x 30" B-5806-24 BOBRICK 24" (REAR WALL ABOVE WC) SERIES 256 E1 BOBRICK (SUIT FASTENERS TO WALL TYPE) KOALA BEAR KARE HORIZONTAL DESIGN MODEL #KB300-01 GREY B-233 BOBRICK STAINLESS STEEL WITH SATIN FINISH FROST 950-4x18 STAINLESS STEEL SHELF WITH BRUSHED FINISH. (ALL RESTROOMS AND ABOVE EWC)	**HAINES, JONES & CADBURY CANADA (HJC)** 4500 BLAKIE RD., UNIT 130 LONDON, ON N5L 1G5 PRIMARY CONTACT: **LORNA MACDOUGALL** P. (866) 256-3885 EXT. 5979 LORNA.MACDOUGALL@HJCCORP.CA PETSMART@HJCCORP.CA SECONDARY CONTACT: **DAVID SOANES** P. (866) 256-3885 EXT. 5963 C. (519) 639-0325 DAVID.SOANES@HJCCORP.CA

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) POST & RAIL (FLOOR MOUNTED SHOPPING CART QUEUING FENCE)	CS 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" VOGUE MODULAR POST & RAIL - CHROME PLATED POSTS AND RAILS. DOUBLE RAIL CONFIGURATION. POST HEIGHT: 35".	**ALVARADO MANUFACTURING CO.** **(CART BUMPERS)** 12660 COLONY ST. CHINO, CA 91710 PRIMARY CONTACT: **SUE THEISING** P. (909) 591-8431 EXT. 321 STHEISING@ALVARADOMFG.COM SECONDARY CONTACT: **DALE STATON** P. (909) 591-8431 EXT. 330 C. (760) 964-2586 DSTATON@ALVARADOMFG.COM
	PARKING LOT SHOPPING CART CONTAINMENT	GALVANIZED PIPE CART CORRAL(S) #600-10	**NATIONAL CART CO. INC.** **(CART CORRALS IN PARKING AREAS)** 3120 BOSCHERTOWN RD. ST. CHARLES, MO 63301 PRIMARY CONTACT: **DENISE MOORE** P. (636) 947-3800 EXT. 134 DENISE.MOORE@NATIONALCART.COM
	FIRE ALARM SAFETY PLAN BOX (WALL MOUNTED)	MODEL #FSPB-1 (VESTIBULE)	**ROHEN FIRE PROTECTION LTD.** **(FIRE SAFETY PLAN AND BOX)** 20 VENTURE DRIVE UNIT 8 SCARBOROUGH, ON M1B 3R7 PRIMARY CONTACT: **WES JASPER** P. (416) 291-8127 WESJASPER@ROHENFIRE.CA
	SOLAR WINDOW SHADES SOLAR WINDOW SHADES WITH GRAPHICS	PHIFER SHEERWEAVE STYLE 4100 (10% OPEN WEAVE) COLOR: U62 ECO/GRANITE. INTERNAL HEMBAR, WHITE STANDARD BRACKETS, WHITE CLUTCHES W/SS CHAIN, GREY COLORED CHILD SAFETY TENSION DEVICE SAME AS ABOVE, EXCEPT THE COLOR IS TO BE U58 CHALK (USED IN PETSHOTEL ONLY U.N.O.)	**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
	BATTERY CHARGER	PER SHEET E2.2	SUPPLIED BY PETSMART
	ASH/TRASH CAN	BARLETTA DOME TOPS-WITH ASHTRAY GRAY (PRDT24GRAAT) BARLETTA DOME TOPS-WITH ASHTRAY BEIGE (PRDT24BEIAT)	**JANISAN INC.** PO BOX 160332 CLEARFIELD, UT 84016 PRIMARY CONTACT: **THUVAN ZIMMER** P. (801) 444-3446 TZIMMER@JANISAN.COM
15105 - PLUMBING **10155 - TOILET COMPARTMENTS**	PLUMBING FIXTURES & EQUIPMENT TOILET COMPARTMENTS & URINAL SCREENS	PER SPECIFICATIONS & PLUMBING SHEETS FLUSHMETAL PARTITIONS - SERIES 400 FLOOR MOUNTED, OVERHEAD BRACED FACTORY FINISHED ENAMEL - #2125 DOVE GRAY. URINAL SCREEN SUPPORT POST TO BE FULL HEIGHT FROM FLOOR TO CEILING.	**HAINES, JONES & CADBURY CANADA (HJC)** 4500 BLAKIE RD., UNIT 130 LONDON, ON N6L 1G5 PRIMARY CONTACT: **LORNA MACDOUGALL** P. (866) 256-3885 EXT. 5979 LORNA.MACDOUGALL@HJCCORP.CA PETSMART@HJCCORP.CA SECONDARY CONTACT: **DAVID SOANES** P. (866) 256-3885 EXT. 5963 DAVID.SOANES@HJCCORP.CA
15204 - HEATING, VENTILATION, AIR CONDITIONING	MECHANICAL EQUIPMENT	PER SPECIFICATIONS & MECHANICAL SHEETS	**LENNOX INTERNATIONAL** 2140 LAKE PARK BLVD. RICHARDSON, TX 75080-2254 PRIMARY CONTACT: **JANE GUNTER** P. (972) 497-6869 JANE.GUNTER@LENNOXIND.COM PETSMART@LENNOXIND.COM SECONDARY CONTACT: **ADRIAN SOSA** P. (949) 439-7847 ADRIAN.SOSA@LENNOXIND.COM **TECHNICAL SUPPORT:** (800) 367-6285 **APPLICATION SUPPORT:** (888) 595-4962
	HVAC TEST & BALANCE	PER SPECIFICATIONS & MECHANICAL SHEETS	**DYNAMIC FLOW BALANCING** 1200 SPEERS ROAD, UNIT 36 OAKVILLE, ON L6L 2X4 PRIMARY CONTACT: **STEVEN MOLNAR** P. (905) 338-0808 C. (905) 510-9875 STEVEN@DYNAMICFLOWBALANCING.COM QUOTES@DYNAMICFLOWBALANCING.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) 303-8588 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) 601-5620
16400 - SERVICE & DISTRIBUTION	SERVICE EQUIPMENT & DISTRIBUTION SWITCHGEAR	PER SPECIFICATIONS & ELECTRICAL SHEETS **CONTRACTOR MAY RECEIVE QUOTES FROM ONE OR BOTH VENDORS.**	**VILLA LIGHTING** 2929 CHOTEAU AVE. ST. LOUIS, MO 63103 PRIMARY CONTACT: **MELISSA BERRY** P. (314) 633-0414 MELISSA.BERRY@VILLALIGHTING.COM PETSMART@VILLALIGHTING.COM SECONDARY CONTACT: **JEFF PLASKON** C. (216) 338-2398 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 DFR-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	**GRAYBAR CANADA** 7245 HIGHWAY 50, UNIT 1 VAUGHAN, ON L4H 4P9 PRIMARY CONTACT: **LOUIE GOZIOTIS** P. (905) 264-4825 C. (416) 540-1281 LGOZIOTIS@GRAYBARCANADA.COM VA-PETSMART@GRAYBARCANADA.COM
16720 - ALARM SYSTEM	FIRE ALARM & SECURITY ALARM EQUIPMENT.	PER SPECIFICATIONS & ELECTRICAL SHEETS	**ADT COMMERCIAL** 105 YAMATO RD. BOCA RATON, FL 33431 PRIMARY CONTACT: **PETER CIAPPETTA** C. (954) 235-9411 PCIAPPETTA@ADT.COM PETSMARTCONSTRUCTION@ADT.COM SECONDARY CONTACT: **RICHARD BONGERS** 25809 BUSINESS CENTER DRIVE, SUITE F REDLANDS, CA 92374 C. (714) 287-2684 RBONGERS@ADT.COM

CLIENT:

PETSMART

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

CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:

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.

THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: C40045686.0146

DATE: 02.12.25

ORIGINAL SCALE: AS NOTED

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PAGE #: 3 OF: 53

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

1"

DISCIPLINE: ARCHITECTURAL

TITLE:

PRODUCT SCHEDULE

SHEET NUMBER:

F2.0

BANNER ORDER FORM

THIS BANNER PACKAGE CONSISTS of (1) BANNER REQUIRED by PETSMART.
THE BANNER IS SINGLE SIDED



Part #: PETS-BA096x0144.000A

PMS 307C BLUE | PMS 2035C RED | BLACK

JOB SITE:

PETSMART STORE # _____
NAME _____
STREET _____
CITY _____
PROV _____ POS _____

CONTRACTOR: (PAID BY)

COMPANY _____
STREET _____
CITY _____
PROV _____ POS _____
PHONE _____

SHIP TO:

CONTACT PERSON _____
NAME _____
STREET _____
CITY _____
PROV _____ POS _____
PHONE _____

PAYMENT METHOD ☐ CHEQUE ☐ ELECTRONIC TRANSFER

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

SIGNATURE _____

DATE _____

COST $ _____ 1 BANNER (PLUS SHIPPING AND HANDLING).

LOCAL SALES TAX $ _____ (PLEASE CALCULATE TAX)

TOTAL ENCLOSED $ _____

THE BANNER PACKAGE WILL BE SHIPPED GROUND SHIPPING WITHIN 3-5 BUSINESS DAYS. (REQUIRED FOR PROCESSING AND PRODUCTION) ALL BANNER ORDERS MUST BE PRE-PAID.

COMPLETE THIS FORM FOR EACH SEPARATE PACKAGE ATTACH A CHEQUE FOR FULL PRICE

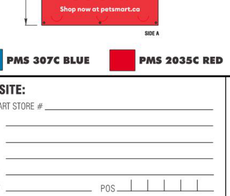
montreal neon signs
4130, Highway 440 west
South service road
Laval (Quebec) H7T 0H3

Diane Lamer
Phone : 450.668.4888 ext. 272

Phone : 450.668.4888 Phone : 514.757.0336 Fax : 450.668.8822 www.montrealneon.com

BANNER ORDER FORM

THIS BANNER PACKAGE CONSISTS of (1) BANNER REQUIRED by PETSMART.
THE BANNER IS SINGLE SIDED



Part #: PETS-BA060x0058.000A

PMS 307C BLUE | PMS 2035C RED | BLACK

JOB SITE:

PETSMART STORE # _____
NAME _____
STREET _____
CITY _____
PROV _____ POS _____

CONTRACTOR: (PAID BY)

COMPANY _____
STREET _____
CITY _____
PROV _____ POS _____
PHONE _____

SHIP TO:

CONTACT PERSON _____
NAME _____
STREET _____
CITY _____
PROV _____ POS _____
PHONE _____

PAYMENT METHOD ☐ CHEQUE ☐ ELECTRONIC TRANSFER

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

SIGNATURE _____

DATE _____

COST $ _____ 1 BANNER (PLUS SHIPPING AND HANDLING).

LOCAL SALES TAX $ _____ (PLEASE CALCULATE TAX)

TOTAL ENCLOSED $ _____

THE BANNER PACKAGE WILL BE SHIPPED GROUND SHIPPING WITHIN 3-5 BUSINESS DAYS. (REQUIRED FOR PROCESSING AND PRODUCTION) ALL BANNER ORDERS MUST BE PRE-PAID.

COMPLETE THIS FORM FOR EACH SEPARATE PACKAGE ATTACH A CHEQUE FOR FULL PRICE

montreal neon signs
4130, Highway 440 west
South service road
Laval (Quebec) H7T 0H3

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Phone : 450.668.4888 ext. 272

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DESIGNER NOTE: DESIGNER TO CONFIRM WITH PETSMART WHICH BANNER IS TO BE USED 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 PETSMART 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 CONTRACTOR'S ASSISTANCE SHALL COMPLETE THE FOLLOWING:

- LANDLORD TO CONFIRM BUILDING ADDRESS AT THE OUTSET OF BUILDING WORK.
- LANDLORD TO ORDER / RESERVE BROADBAND CABLE SERVICE FOR PETSMART 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 PETSMART 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 PETSMART OF PHONE D-MARK FOR SPACE (EXTERIOR OF BUILDING / SHARED UTILITY ROOM). ADDITIONALLY, THEY SHALL PROVIDE APPROXIMATE DISTANCE OF CABLE RUN TO PETSMART 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 PETSMART 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 SHALL BE COORDINATED WITH PETSMART 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.

- ROOFING MUST BE COMPLETE AND BUILDING "DRIED IN."
- 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 ROUGH-INS 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 SCHEDULES.
- ALL WALL INSULATION MUST BE INSTALLED PER SPECIFICATIONS.
- ALL IN-WALL WATER LINES MUST BE INSULATED PER SPECIFICATIONS.
- THE UNDERSIDE 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.
- THE EXTERIOR CANOPY MUST BE STARTED.
- THE 'COMING SOON' BANNER MUST BE INSTALLED ON THE EXTERIOR OF THE BUILDING.
- A 4'X8' DRYWALL FINISH SAMPLE MUST BE PREPARED AND READY FOR SUBMITTAL ON SITE.
- INTERIOR BUILDING TEMPERATURE MUST BE HELD TO A HEATING TEMPERATURE OF NOT LESS THAN 65 DEGREES F AND A COOLING TEMPERATURE OF NOT MORE THAN 75 DEGREES F.
- 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 PETSMART'S REQUIRED VENDOR. MILLWORK PACKAGE WILL ARRIVE ON A MONDAY. AQUARIUM PACKAGE IS COORDINATED BY GENERAL CONTRACTOR THROUGH PETSMART'S VENDOR. AQUARIUM EQUIPMENT WILL ARRIVE ON TUESDAY 2 WEEKS AFTER MILLWORK. COORDINATE VENDOR WITH PETSMART 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.
- ALL 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.
- FORKLIFT, BATTERY CHARGER, AND PALLET JACKS WILL BE DELIVERED TO STORE THE THURSDAY (CONFIRMED BY GC) BEFORE DELIVERY OF MILLWORK AND AQUARIUMS. **CHARGER TO BE HOOKED UP AND PLUGGED INTO FORKLIFT IMMEDIATELY SO IT IS FULLY CHARGED WHEN THE MILLWORK AND AQUARIUMS ARRIVE MONDAY MORNING.**
- MUST 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
- ALL PERMANENT UTILITIES 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 ENERGY MANAGEMENT SYSTEM AT THIS TIME.)
- THE LIGHTING SYSTEM MUST BE INSTALLED 100% COMPLETE AND FUNCTIONING.
- 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 ELECTRICAL POWER WALL 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 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.

THE ARCHITECT OF RECORD WILL PERFORM THE FINAL PUNCH LIST ALONG WITH THE PETSMART CONSTRUCTION MANAGER APPROXIMATELY 15 BUSINESS DAYS AFTER GENERAL CONTRACTOR'S RECEIPT OF THE MILLWORK PACKAGE. GENERAL CONTRACTOR SHALL COORDINATE EXACT DATE AND TIME WITH PETSMART 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.
- SUPERINTENDENT WILL HAVE COMPLETED THEIR OWN "PRE-PUNCH" AND REPORTED RESULTS TO PETSMART 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 CORRALS.
- ANY LANDSCAPING MUST BE COMPLETED PER PLANS.
- ALL CONSTRUCTION TOOLS, EQUIPMENT AND MATERIALS MUST BE REMOVED.
- ATTIC STOCK MUST BE READY FOR VERIFICATION BY PETSMART CONSTRUCTION MANAGER. SEE SECTION 1700 FOR FULL LIST OF REQUIRED PARTS.

BUILDING TURNOVER (SETUP)

BUILDING TURNOVER (ALSO KNOWN AS THE "SETUP DATE") WILL OCCUR FOUR WEEKS AFTER RECEIPT OF THE MILLWORK PACKAGE. GENERAL CONTRACTOR WILL BE SUBSTANTIALLY COMPLETE WITH THE "PUNCH ITEMS" PRIOR TO THIS DATE. PETSMART'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 "SETUP DATE."
- ANY CLEANING REQUIRED BY PUNCH LIST REPAIRS MUST BE COMPLETED.
- GENERAL CONTRACTOR WILL COORDINATE WITH THE FIXTURE INSTALLER AND THE ELECTRICIAN FOR FIXTURES REQUIRING POWER DROPS APPROXIMATELY 4 DAYS AFTER FIXTURES START.

ARCHITECTURAL GENERAL KEY NOTES:

G1

G1. HIGH POINT OF CONCRETE - SLOPE TOWARD TRENCH.
G2. 4" WIDE PAINTED OUTLINE FOR EQUIPMENT ON FLOOR. PAINT TRA.F.F.IC 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 SHALL BE FLUSH W/ ADJ. FLOOR FINISH MATERIAL.
G5. INTERIOR RAIN WATER LEADER.
G6. 2' x 4' PEGBOARD (BY OTHERS).
G7. REQUIRED CLEAR ACCESS AREA AT DOOR.
G8. CONTINUOUS LIMESTONE COLORED SIXAFLEX 1A 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 BASE TO CORNER GUARD. SEE DETAIL 11/A12.0.
G12. 2" X 2" ALUMINUM CORNER GUARD (NATIONAL ACCOUNT MILLWORK VENDOR). WRAP JAMBS AND HEAD WHEN OCCURRING AT CASED OPENINGS - SEE DETAIL 10/A12.0.
G13. WALL SURFACE MOUNTED CART BUMPER GUARD +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 CART BUMPER GUARD ABOVE AND SURFACE 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 SYSTEM (BY OTHERS).
G20. REFRIGERATOR (BY OTHERS).
G21. MILLWORK (NATIONAL ACCOUNT MILLWORK VENDOR).
G22. VENDING MACHINES (BY OTHERS).
G23. TAG MACHINE (BY OTHERS).
G24. ADOPTION FIXTURE / CAGES (NATIONAL ACCOUNT MILLWORK VENDOR).
G25. PET TRAINING WALL FIXTURE / RAILING (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. SEE BARRIER-FREE ACCESSIBILITY NOTES ON SHEET A0.2.
G30. TOILET PAPER DISPENSER. SEE BARRIER-FREE ACCESSIBILITY NOTES ON SHEET A0.2.
G31. TOILET SEAT COVER DISPENSER. SEE BARRIER-FREE ACCESSIBILITY NOTES ON SHEET A0.2.
G32. SANITARY NAPKIN DISPOSAL. SEE BARRIER-FREE ACCESSIBILITY NOTES ON SHEET A0.2.
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, TYP. SEE BARRIER-FREE ACCESSIBILITY NOTES ON SHEET A0.2.
G35. KOALA BEAR KARE BABY CHANGER MANUFACTURED BY KOALA CORPORATION, HORIZONTAL TYPE, MOUNTED AT 2'-0" A.F.F. SEE BARRIER-FREE ACCESSIBILITY NOTES ON SHEET A0.2.
G36. OVERHEAD BRACED METAL TOILET PARTITION AND URINAL SCREEN WITH FLOOR TO CEILING POST. PROVIDE WALL BUMPERS AT BARRIER-FREE STALL DOORS.
G37. ¾" 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" A.F.F.
G38. INSULATED DRAIN AND HOT WATER LINE TYPICAL. SEE BARRIER-FREE ACCESSIBILITY NOTES ON SHEET A0.2.
G39. 5'-0" BARRIER-FREE TURNING DIAMETER.
G40. 30" X 48" CLEAR ACCESS. SEE BARRIER-FREE ACCESSIBILITY NOTES ON SHEET A0.2.
G41. LOW/HIGH DRINKING FOUNTAIN, MOUNT PER BARRIER-FREE REQUIREMENTS - PROVIDE 2x6 BLOCKING AS REQUIRED, APPLY CLEAR CAULK TO ALL SEAMS.
G42. CLOTHES HOOK AND BUMPER. SEE BARRIER-FREE ACCESSIBILITY NOTES ON SHEET A0.2.
G43. WALLBOARD, PAINT - SEE FINISH SCHEDULE.
G44. FRP PANEL WALL COVERING SYSTEM. INSTALL PER MANUFACTURERS 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 TO 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 24" HIGH (CONTINUOUS) - ¾" PLYWOOD BLOCKING IN STUD WALL FOR DECORATIVE LEDGE ATTACHMENT (LEDGE BY OTHERS).
G61. LIGHT SWITCH.
G62. JUNCTION BOX.
G63. DOORBELL / BUZZER FOR SALON CUTTING AREA. BUTTON IN MILLWORK PROVIDED BY NATIONAL ACCOUNT 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.

ARCHITECTURAL GENERAL KEY NOTES:

G1

G72. WATER HEATER.
G73. BATTERY CHARGER WITH MOUNTING BRACKETS - MOUNT AT 3'-0" A.F.F.
G74. MOP SINK - SEE DETAIL 3/A12.0.
G75. MOP HANGER WITH CLIPS AT +4'-6" A.F.F. PROVIDE 2 x 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. 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), APPLY CLEAR CAULK TO ALL SEAMS. SEE DETAIL ON 2/A12.0.
G79. 4" DIA. INTERIOR CONCRETE FILLED PIPE BOLLARD. SEE DETAIL 4/A12.0.
G80. 48" HIGH STEEL TRACK GUARD BY NATIONAL ACCOUNT LOADING DOCK VENDOR. SECURE TO FLOOR PER MANUFACTURERS RECOMMENDATIONS.
G81. 6" PVC TUBE W/ END CAPS FOR CONSTRUCTION DOCUMENT STORAGE. G.C. TO SUPPLY AND INSTALL. GC TO PLACE FULL SET OF RECORD DRAWINGS IN TUBE AT COMPLETION OF PROJECT. SUPPLIED AND INSTALLED BY GC/EC. SEE DETAIL 6/A12.0.
G82. ATTACH ELECTRICAL POWER WALL PANEL AND TRANSFORMER TO WALL. PROVIDE ADDITIONAL BLOCKING/BRACING IN WALL AS REQUIRED, AND ADDITIONAL THREADED ROD SUPPORTS FOR END OF TRANSFORMER.
G83. MAXIMUM SPACE ALLOWED FOR FIRE PROTECTION & DOMESTIC WATER.
G84. SELF CONTAINED PORTABLE EYEWASH BY OTHERS.
G85. FIRE RISER/SPRINKLER SYSTEM SHUT OFF VALVE.
G86. MUSIC EQUIPMENT BOARD BY OTHERS.
G87. MECHANICAL GRILLE, FACTORY FINISH WHITE (DO NOT PAINT) - SEE MECHANICAL PLANS. LOCATED AS HIGH AS POSSIBLE BOTTOM AT 14'-0" A.F.F. MIN. UNLESS OTHERWISE NOTED.
G88. TIMER SWITCHES.
G89. GYPSUM BOARD CONTROL JOINT AT THIS LOCATION INSTALL PER SPECIFICATIONS.
G90. NOT USED.
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.
G97. TILE TO EXTEND TO EDGE OF TRAINING FIXTURE. INSTALL TILE AFTER TRAINING FIXTURE IS ONSITE AND EXACT LOCATION CAN BE FIELD VERIFIED.
G98. FRAMED MIRROR - SUPPLIED AND INSTALLED BY MILLWORK NATIONAL ACCOUNT VENDOR. SEE INTERIOR ELEVATIONS.
G99. CAGES (BY OTHERS).
G100. BENCHES - FURNISHED AND INSTALLED BY OTHERS.
G101. LEASH BAR - FURNISHED AND INSTALLED BY NATIONAL ACCOUNT VENDOR.
G102. SHELF FOR BATHING BUNKER INSTALLED BY MILLWORK NATIONAL ACCOUNT VENDOR.
G103. 4" x 18" 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 MILLWORK NATIONAL ACCOUNT VENDOR.
G105. OUTLINE OF 3/4" PLYWOOD BLOCKING, SEE BLOCKING SCHEDULE.
G106. LIGHTING IN RECEIVING AREA MOUNTED ABOVE THE BOTTOM CHORD OF THE STEEL JOISTS.
G107. FORKLIFT TURNING RADIUS, 12'-0" DIAMETER.
G108. SOLAR WINDOW SHADES - SEE MATERIAL & PRODUCT SCHEDULE. INSTALLED FROM TOP OF WINDOW TO TOP OF FIRST HORIZONTAL MULLION 7'-7" A.F.F. AT AUTOSLIDER 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 TRACK SYSTEM CHARGER (SEE MATERIAL & PRODUCT SCHEDULE). INSTALL PER MANUFACTURERS RECOMMENDATIONS. MOUNT TOP AT 7'-6" A.F.F.. NATIONAL ACCOUNT LIGHTING VENDOR.
G111. MECHANICAL DUCT DROP, PAINT TO MATCH C-1, SEE MECHANICAL DRAWINGS FOR HEIGHT. SEE MECHANICAL DRAWINGS.
G112. AREA TO REMAIN CLEAR FOR NATIONAL ACCOUNT DECOR VENDOR 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 DETAILS ON SHEET A12.0.
G118. WALL MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
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 COLOUR.
G127. PROVIDE A 4" CONCRETE HOUSEKEEPING PAD FOR EQUIPMENT.
G128. MILLWORK SPACER PANEL (NATIONAL MILLWORK VENDOR).
G129. SURFACE MOUNTED CART BUMPER +6" AND +2'-6" TO CENTERLINE (FURNISHED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR).
G130. EMS MONITORING SENSOR.
G131. JUNCTION BOX(ES) FOR EXHAUST FAN CONTROL RELAY.

DESIGNER NOTE: BARRIER FREE GRAB BAR CONFIGURATION VARIES DEPENDING ON PROJECT REQUIREMENTS.

ARCHITECTURAL BARRIER-FREE KEY NOTES (CANADA):

G200

G200. INSTALL WASHROOM SIGNAGE. SEE A6.0 HARDWARE SCHEDULE, HARDWARE GROUP 10.
G201. INSTALL UNIVERSAL WASHROOM SIGNAGE. SEE A6.0 HARDWARE SCHEDULE, HARDWARE GROUP 12.
G202. EMERGENCY CALL PUSH BUTTON WITH SIGNAGE ABOVE BUTTON.
G203. BARRIER-FREE DOOR PUSH BUTTONS.
G204. OUTLINE OF FUTURE ADULT SIZE CHANGE TABLE. PROVIDE 3/4" PLYWOOD BLOCKING IN WALL 8'-0" WIDE x 8'-0" HIGH.
G205. OCCUPANCY SENSOR FOR SECONDARY CONTROL OF FIXTURES MOUNTED ON WALL BEHIND TANKS @84" A.F.F..
G206. EMERGENCY CALL SYSTEM CHIME/STROBE, CENTER OVER DOOR ON BOTH SIDES.
G207. DOOR OPERATOR LOCK BUTTON.

DESIGNER NOTE: CHANGE SIGNAGE AS REQUIRED BY LOCAL JURISDICTION AND/OR WASHROOM PLAN LAYOUT.

DESIGNER NOTE: 1. ON A PROJECT SPECIFIC BASIS WHERE A KEYNOTE IS NOT USED, MAY BE LISTED AS "NOT USED" OR CASE OF A TENANT IMPROVEMENT PROJECT, DRAWINGS MAY HAVE NOTE DESCRIPTION "BY SHELL". IF THERE IS NOT A TENANT IMPROVEMENT PROJECT, THERE SHELL DRAWINGS ADD AND NEW PROJECT SPECIFIC NOTES TO END OF LIST.

ARCHITECTURAL EXTERIOR KEY NOTES:

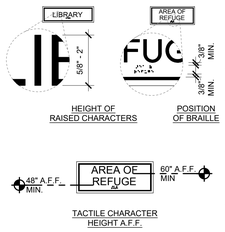
X1

X1. SIDEWALK.
X2. SIDEWALK CONTROL JOINT - 1/4" MAX. TOOLED JOINT. LOCATE WHERE INDICATED ON PLAN (6' O.C. MAX.).
X3. SIDEWALK EXPANSION JOINT. LOCATE WHERE INDICATED ON PLAN (20' O.C. MAX.). (SEE STRUCTURAL)
X4. 1/2" EXPANSION JOINT WITH TRA.F.F.IC SEALANT.
X5. BARRIER-FREE ACCESSIBLE RAMP, PROVIDE BARRIER-FREE COMPLIANT TACTILE WARNING.
X6. CONCRETE CURB (DO NOT PAINT) - SEE DETAIL 2/A10.1 AND 3/A10.1.
X7. FLUSH CONDITION AT DOOR, PROVIDE 2% MAX. SLOPE AWAY FROM DOOR. SEE BARRIER-FREE ACCESSIBILITY NOTES ON SHEET A0.2.
X8. RECESSED OUTLET WITH WATERPROOF COVER @ 60" A.F.F..
X9. ASH/TRASH CAN BY G.C. SEE MATERIAL & PRODUCT SCHEDULE.
X10. RECESSED HOSE BIBB AT 28" A.F.G.
X11. PUSH BUTTON FOR BUZZER SURFACE MOUNTED AT BRAKE METAL WRAPPED COLUMN AT STOREFREONT (NO EXPOSED CONDUIT) - SEE ELECTRICAL DWGS.
X12. 6" DIA. CONCRETE

GENERAL NOTES:

1. ALL BARRIER FREE CLEARANCES, MOUNTING HEIGHTS, PATHS OF TRAVEL ETC. SHALL BE IN COMPLIANCE WITH SECTION 3.8 OF THE LATEST EDITION OF THE APPLICABLE PROVINCIAL BUILDING CODE AND BARRIER FREE DESIGN STANDARDS.

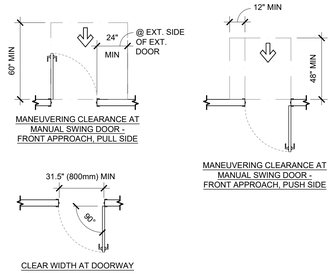
DESIGNER NOTE: UPDATE ON A PROJECT SPECIFIC BASIS.



NOTES:

1. RAISED CHARACTERS SHALL COMPLY WITH 11B-703.2 & SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH 11-B703.3. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH 11B-703.4.
2. BRAILLE SHALL BE CONTRACTED (GRADE 2) & COMPLY WITH 11-B-703.3 & 11-B703.4.
3. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. 11-B703.3.2
4. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6" (150 MM) MINIMUM. CHARACTERS & BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD PER 11B-703.6.1.
5. PICTOGRAMS & THEIR FIELD SHALL HAVE A NON GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD PER 11B-703.6.2.

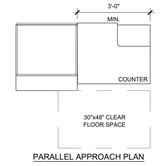
10 TACTILE SIGNAGE
A0.2 **SCALE:** NTS



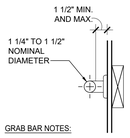
9 DOOR & DOORWAY CLEARANCES
A0.2 **SCALE:** 1/4" = 1'-0"

NOTES:

1. ACCESSIBLE PORTION TO BE SAME DEPTH AS ADJACENT COUNTER AND 36" WIDE MINIMUM.
2. COUNTER HEIGHT TO BE LOCATED AT 36" MAXIMUM ABOVE FINISH FLOOR.
3. PROVIDE AT LEAST ONE ACCESSIBLE COUNTER OF EACH TYPE (IE ORDER, PICK-UP, EXPRESS, RETURNS AND DISPERSED, ETC.)



8 TYPICAL SALES & SERVICE COUNTERS
A0.2 **SCALE:** 3/8" = 1'-0"



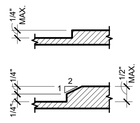
GRAB BAR NOTES:

1. BENDING STRESS IN GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.
2. SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT. IF THE CONNECTION BETWEEN THE GRAB BAR OR SEAT AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL BE TOTALED FOR THE COMBINED SHEAR STRESS, WHICH SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS.
3. SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHATEVER IS THE SMALLER ALLOWABLE LOAD.
4. TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 LBF PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.

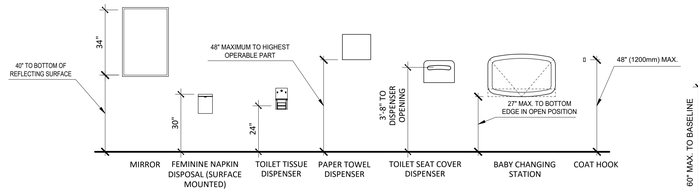
7 GRAB BAR DETAIL
A0.2 **SCALE:** 1 1/2" = 1'-0"

NOTES:

1. CHANGES IN LEVEL GREATER THAN 1/4" IN HEIGHT AND NOT MORE THAN 1/2" MAXIMUM IN HEIGHT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.



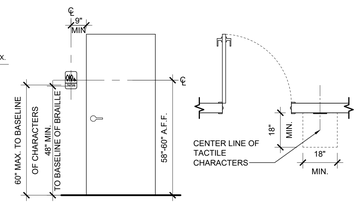
6 FLOOR TRANSITION
A0.2 **SCALE:** 6" = 1'-0"



5 TYPICAL ACCESSORY MOUNTING HEIGHTS
A0.2 **SCALE:** 3/8" = 1'-0"

NOTES:

1. INSTALL SIGNS ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR.
2. ENSURE A CLEAR FLOOR SPACE 18" BY 18" CENTERED ON THE TACTILE CHARACTERS.

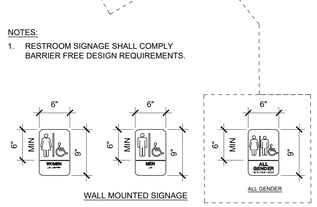


4 TACTILE SIGNAGE
A0.2 **SCALE:** 3/8" = 1'-0"

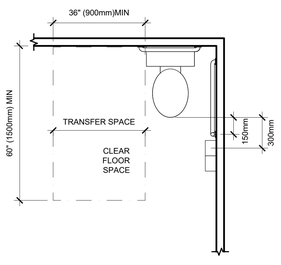
DESIGNER NOTE: ON A PROJECT SPECIFIC BASIS IF ALLOWABLE PER LOCAL JURISDICTIONAL CODES AND UNDER PETSMART'S DIRECTION, PROVIDE ALL GENDER RESTROOM SIGNAGE IN LIEU OF MEN AND WOMEN'S RESTROOM SIGNAGE.

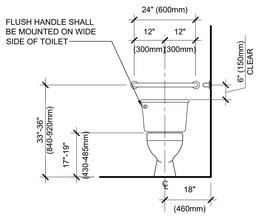
NOTES:

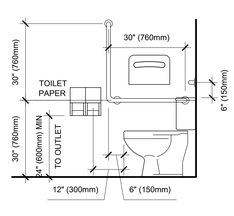
1. RESTROOM SIGNAGE SHALL COMPLY BARRIER FREE DESIGN REQUIREMENTS.

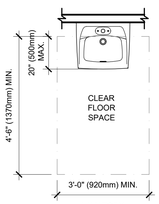


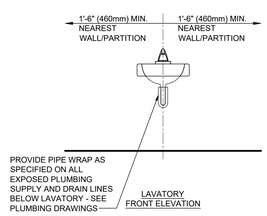
3 RESTROOM SIGNAGE
A0.2 **SCALE:** 1" = 1'-0"

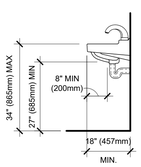


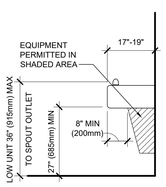




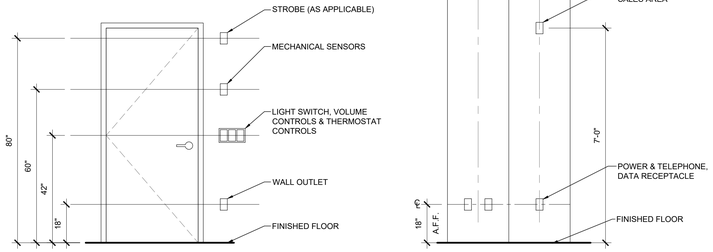








2 TYPICAL PLUMBING ELEMENTS & FACILITIES
A0.2 **SCALE:** 1/2" = 1'-0"



1 TYPICAL DEVICE MOUNTING HEIGHTS
A0.2 **SCALE:** 1/2" = 1'-0"

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:

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.

THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 5 OF: 53
1"

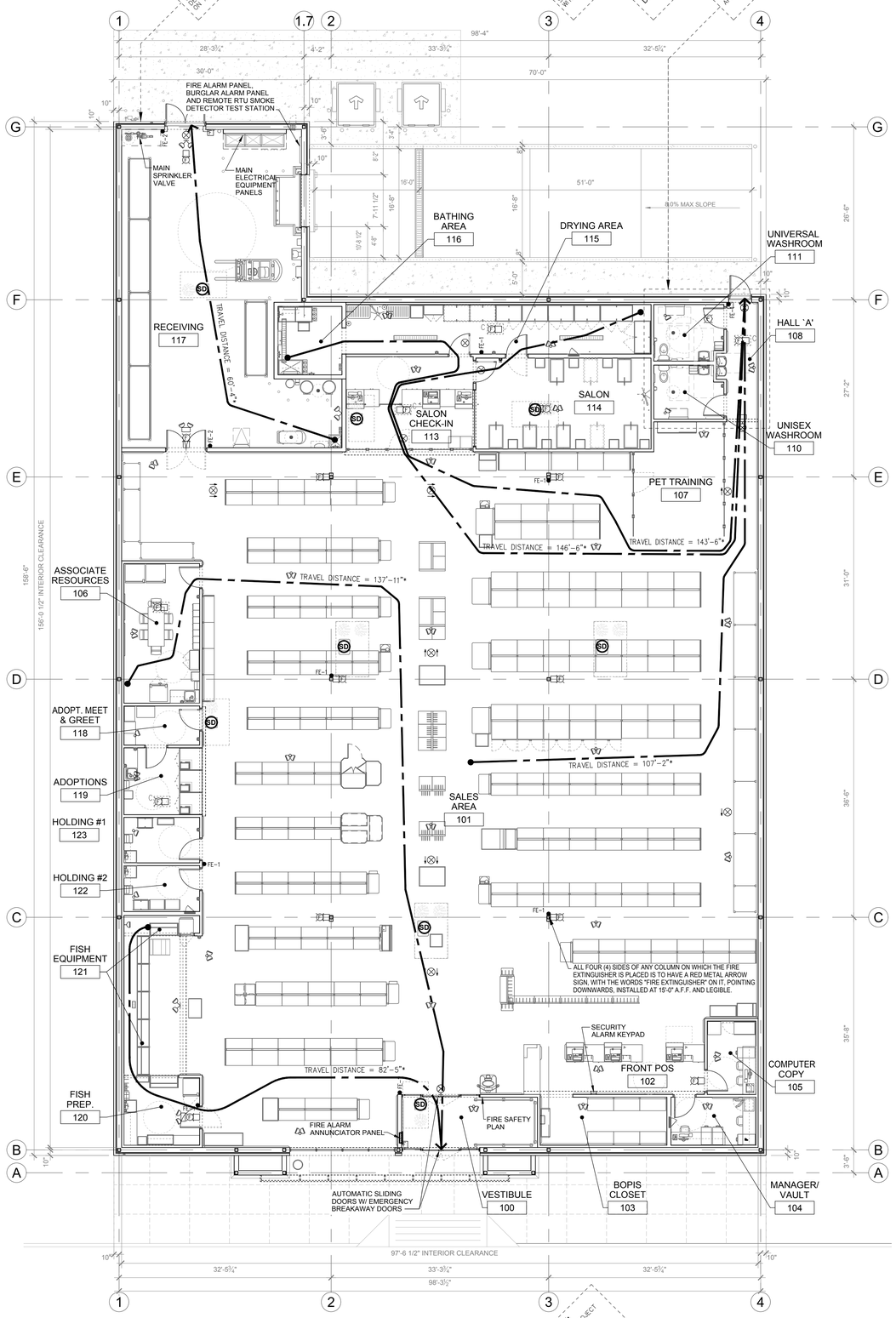
DISCIPLINE: ARCHITECTURAL

TITLE:

ACCESSIBILITY DETAILS

SHEET NUMBER:

A0.2



1 / A1.0 LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

NORTH

DESIGNER NOTE: ORIENT NORTH ARROW TO PROJECT NORTH AS REQUIRED. ALL DIRECTIONS IN PLAN MUST BE CORRECTLY DRAWN AS PER THE DRAWING SET. DO NOT INCLUDE "PROJECT NORTH."

Firm Name:
Certificate of Practice Number:

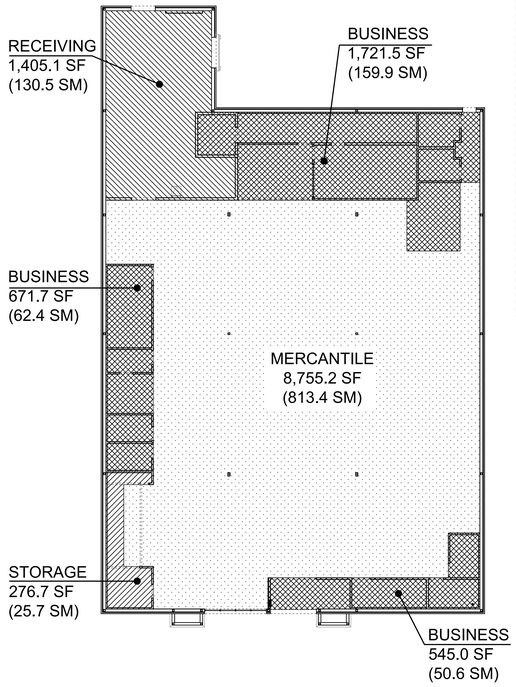
Name of Project:
PETSMART
Location:

Item	Ontario's 2012 Building Code Data Matrix Parts 3 or 9		OBC Reference (References are to Division B unless noted [A] for Division A or [C] for Division C.)	
1	Project Description: ☐ New ☐ Addition ☐ Change of Use ☒ Alteration ☐ Part 11 11.1 to 11.4		☒ Part 3 1.1.2. [A]	☐ Part 9 1.1.2. [A] & 9.10.1.3.
2	Major Occupancy(s) GROUP 'E' – MERCANTILE		3.1.2.1.(1)	9.10.2.
3	Building Area (m^2) Existing 1,303.0 m^2 New ____ Total 1,303.0 m^2 Suite Area (m^2) Existing 1,303.0 m^2 New ____ Total 1,303.0 m^2		1.4.1.2.[A]	1.4.1.2.[A]
4	Suite Gross Area Existing 1,303.0 m^2 New ____ Total 1,303.0 m^2 Area of Work (m^2) Ground 1,243.0 m^2		1.4.1.2.[A]	1.4.1.2.[A]
5	Number of Storeys Above grade 1 Below grade 0		1.4.1.2.[A] & 3.2.1.1.	1.4.1.2.[A] & 9.10.4.
6	Number of Streets/Fire Fighter Access 2		3.2.2.10. & 3.2.5.	9.10.20.
7	Building Classification 3.2.2.62 Group 'E' –UP TO 2 STOREYS, SPRINKLERED		3.2.2.20.–83	9.10.2.
8	Sprinkler System Proposed ☒ entire building ☐ selected compartments ☐ selected floor areas ☐ basement ☐ in lieu of roof rating ☐ not required		3.2.2.20.–83 3.2.1.5. 3.2.2.17. INDEX	9.10.8.2. INDEX
9	Standpipe Required ☐ Yes ☒ No		3.2.9.	N/A
10	Fire Alarm Required ☒ Yes ☐ No		3.2.4.	9.10.18.
11	Water Service/Supply is Adequate ☒ Yes ☐ No		3.2.5.7.	N/A
12	High Building ☐ Yes ☒ No		3.2.6.	N/A
13	Construction Restrictions ☐ Combustible permitted ☐ Non–combustible required ☒ Both Actual Construction ☐ Combustible ☒ Non–combustible ☐ Both		3.2.2.20.–83	9.10.6.
14	Mezzanine(s) Area m^2 N/A		3.2.1.1.(3)–(8)	9.10.4.1.
15	Occupant load based on ☒ m^2/person ☐ design of building INTERIOR FACE OF EXTERIOR WALLS (NET 1,242.6m^2) Occupancy "E" Load 285 persons BUSINESS (273.0m^2/4.6m^2) 59.3 MERCHANTILE (813.4m^2/3.7m^2) 219.8 STORAGE (25.7m^2/46m^2) 0.6 RECEIVING (130.5m^2/28m^2) 4.7 284.4 TOTAL		3.1.17.	9.9.1.3.
16	Barrier–free Design ☒ Yes ☐ No (Explain)		3.8.	9.5.2.
17	Hazardous Substances ☐ Yes ☒ No		3.3.1.2. & 3.3.1.19.	9.10.1.3.(4)
18	Required Fire Resistance Rating (FRR) — Horizontal Assemblies FRR (Hours): Floors ____ Hours; Roof ____ Hours; Mezzanine ____ Hours — Listed Design No. or Description (SG–2) FRR of Supporting Members: Floors ____ Hours; Roof ____ Hours; Mezzanine ____ Hours — Listed Design No. or Description (SG–2)		3.2.2.20.–83 & 3.2.1.4.	9.10.8. 9.10.9.
19	Spatial Separation – Construction of Exterior Walls		3.2.3	9.10.14

Wall	Area of EBF (m^2)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (Hours)	Listed Design or Description	Comb. Const.	Comb. Constr. Nonc. Cladding	Non–comb. Constr.
North										
South										
East										
West										

(Additional wall areas continued below)

20	Plumbing Fixture Requirements					OBC Reference ☒ Part 3	☐ Part 9
	Male/Female Count @ 50 %/50 % except as noted otherwise	Occupant Load	BC Table Number	Fixtures Required	Fixtures Provided		
	Occupancy E – Male	142.5	3.7.4.8	1	1	3.7.4.8(2)	
	Occupancy E – Female	142.5	3.7.4.8	1	1	3.7.4.8(2)	



2 / A1.0 FLOOR AREA KEY PLAN
SCALE: 1/16" = 1'-0"

NORTH

GENERAL- LIFE SAFETY NOTES:

1. ALLOWABLE TRAVEL DISTANCE IS 45 m.
2. BUILDING SHALL BE FULLY SPRINKLERED
3. GENERAL CONTRACTOR WILL FURNISH AND INSTALL A MINIMUM OF (1) 10 LB (SHOWN IN RECEIVING NEAR BATTERY CHARGER) AND (9) 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. 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 PETSMART 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, 2013, (Division A, 1.5.3.1)
CLASS IV COMMODITY
SHELF STORAGE, 12'–0" MAX. STORAGE
ORDINARY HAZARD GROUP 2
MINIMUM K–FACTOR = 5.6
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, 2013, (Division A, 1.5.3.1)
CLASS IV COMMODITY (NON–ENCAPSULATED)
SINGLE ROW RACKS, 16'–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

1. 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.
2. REFER TO FIRE SPRINKLER SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. SYSTEM SHALL MEET ANY ADDITIONAL APPLICABLE REQUIREMENTS OF THE NATIONAL FIRE CODE OF CANADA (NFC) 2005, OWNER AND INSURANCE CARRIER.
4. 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.
5. THE USE OF SPRINKLER HEADS EQUIPPED WITH "O" RING SEAL SHALL BE PROHIBITED (NO EXCEPTIONS).
6. CENTRAL STATION SUPERVISION DEVICE SHALL BE PROVIDED.
7. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE PLANS, SHOP DRAWINGS, AND HYDRAULIC CALCULATIONS, SIGNED AND SEALED BY THE FIRE PROTECTION (F.P.) PROFESSIONAL OF RECORD, TO ALL PROVINCIAL AND LOCAL AUTHORITIES HAVING JURISDICTION, TO THE CITY, THE BUILDING OFFICIALS, THE FIRE DEPARTMENT, THE ENGINEER/ARCHITECT, AND TO THE PETSMART REPRESENTATIVE FOR REVIEW AS SOON AS POSSIBLE AFTER CONTRACT AWARE. THE FIRE SPRINKLER PROFESSIONAL OF RECORD SHALL BE RETAINED AND PAID FOR BY THE FIRE SPRINKLER CONTRACTOR.
8. PROVIDE BACKFLOW PREVENTER AS REQUIRED BY CODE.
9. FIRE RISER SHALL BE LOCATED AS INDICATED ON PLAN. PROVIDE VERTICALLY MOUNTED RISER ASSEMBLY UNLESS PROHIBITED BY CODE.
10. PROVIDE INSPECTOR TEST CONNECTION WHEN REQUIRED.
11. **LOCATE ALL SPRINKLER PIPING AS HIGH AS POSSIBLE. SPRINKLER PIPING SHALL NOT BE INSTALLED BELOW BOTTOM OF STEEL JOISTS AND GIRDERS.**
12. **COORDINATE LOCATIONS OF FDC CONNECTIONS, INSPECTOR'S TEST VALVES AND SYSTEM DRAINS WITH FIXTURE PLAN. FINAL LOCATION APPROVAL BY PETSMART CONSTRUCTION MANAGER.**
13. SPRINKLER HEADS TO BE LOCATED IN CENTRE OF CEILING TILE.
14. CONTRACTOR TO INSTALL A HYDRAULIC SYSTEM PLACARD ONTO THE PETSMART FIRE RISER AT THE END OF THE PROJECT.

TRAVEL DISTANCE NOTES:

OCCUPANT LOAD CALCULATION IS BASED ON O.B.C. TABLE 3.1.17.1
– MERCANTILE USE: 39.8 sq.ft/person (3.70 sm/person)

WIDTH OF EXIT DOORS BASED ON O.B.C. 3.4.3.2.(1)(a)
– 1/4"/person (6.1mm/pers)

* MAX. TRAVEL DISTANCE CALCULATION IS BASED ON O.B.C. 3.4.2.5.(1)(c):
MERCANTILE = 45m (147.6')

2 EXITS REQUIRED

O.L. (PETSMART UNIT): 303 O.L.: CALCULATED OCCUPANT LOAD
E.C. (PETSMART UNIT): 4572MM E.C: EXIT CAPACITY PROVIDED

TRAVEL DISTANCE START POINT
TRAVEL DISTANCE DIRECTION

LEGEND:

	EMERGENCY LIGHT HEADS		WALL MOUNTED FA/HORN/STROBE LIGHT
	EXIT SIGN	C	CEILING MOUNTED FA/HORN/STROBE LIGHT
F.E.	FIRE EXTINGUISHER		FIRE ALARM MANUAL PULL STATION
		SD	DUCT SMOKE DETECTOR

FIRE SAFETY PLAN AND BOX:

1. GENERAL CONTRACTOR TO PROVIDE FIRE SAFETY PLAN, REFER TO REQUIRED VENDORS LIST. CONTACT SUPPLIER AND COORDINATE THE PRODUCTION OF THE FIRE SAFETY PLAN/MANUAL AND THE INSTALLATION OF THE FIRE SAFETY PLAN BOX. THE G.C. IS RESPONSIBLE FOR COMPLETE SUPPLY AND INSTALL OF THE FIRE SAFETY PLAN AND BOX WITH THE VENDOR.
2. FINAL LOCATION TO BE COORDINATED WITH PETSMART CONSTRUCTION MANAGER.
3. GC TO INSTALL ONE (1) FRAMED EXIT PLAN. COORDINATE WITH CONSTRUCTION MANAGER.

OCCUPANT LOAD SQUARE FOOTAGE BREAKDOWN

FLOOR AREA (PER OBC TABLE 3.1.17.1) (INSIDE FACE OF EXTERIOR PERIMETER WALLS)

BUSINESS		2,038.2
MERCANTILE (RETAIL)		8,755.2
STORAGE		276.7
STORAGE (WAREHOUSE)		1,405.1
OCCUPANT LOAD SQUARE FOOTAGE GRAND TOTAL		13,375.2 (1,242.6 SQ.M.)

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

DESIGNER NOTE: UPDATE ON A PROJECT SPECIFIC BASIS.

CITY SEAL:

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NUMBER	ISSUE	DATE

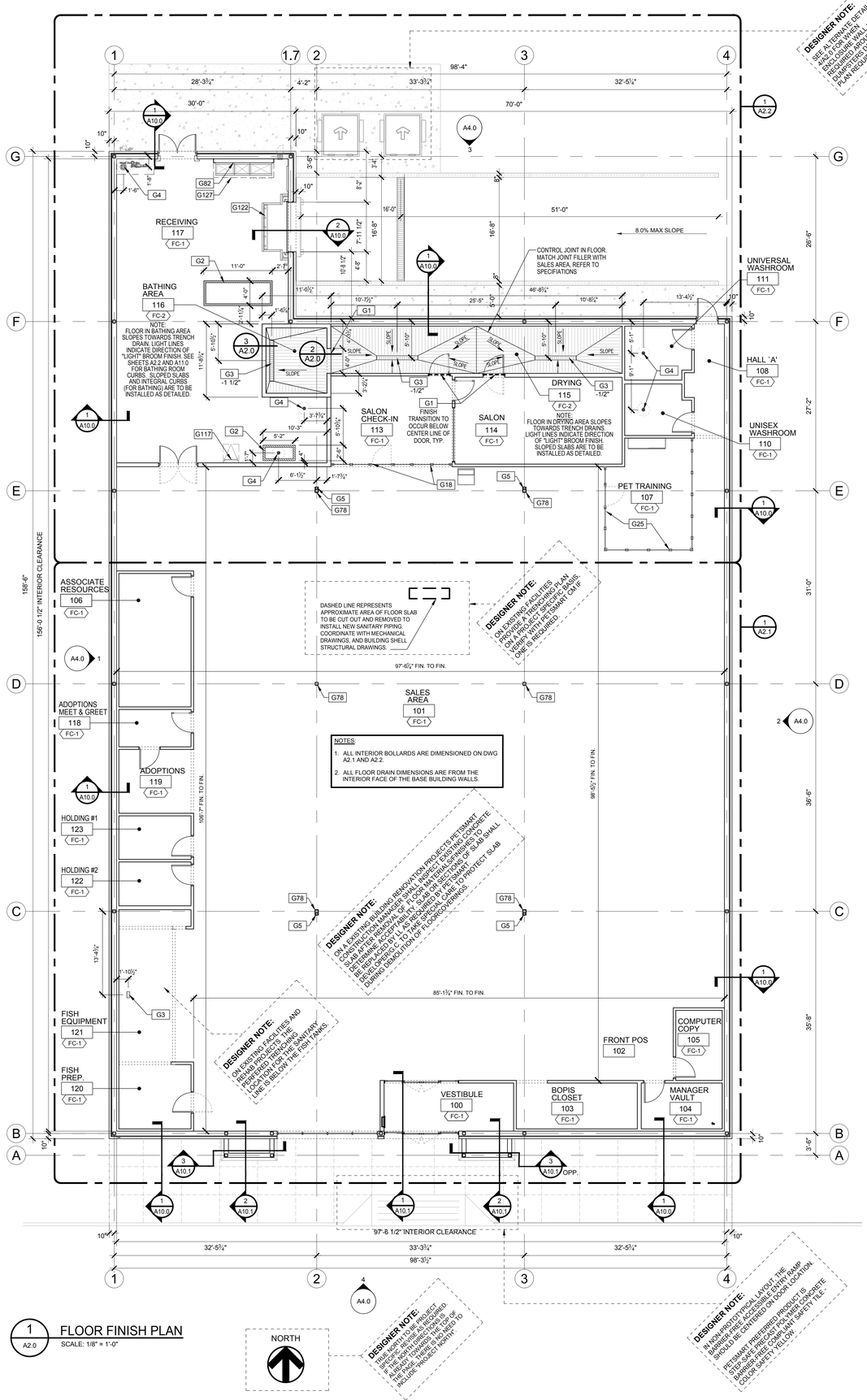
PROJECT NO: CA0045686.0146
DATE: 02.12.25
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DRAWN BY:
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1"

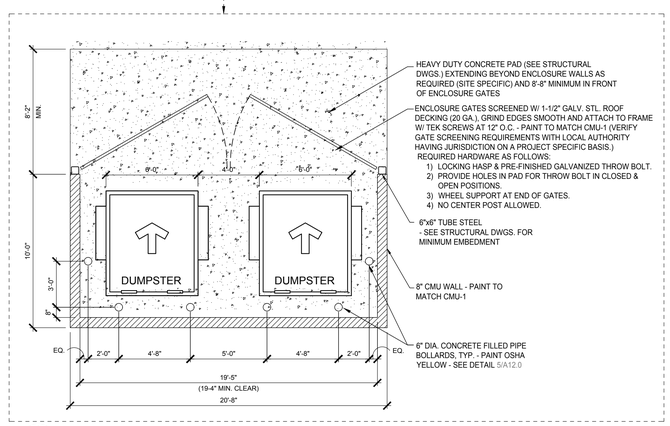
DISCIPLINE: ARCHITECTURAL

TITLE:
LIFE SAFETY PLAN

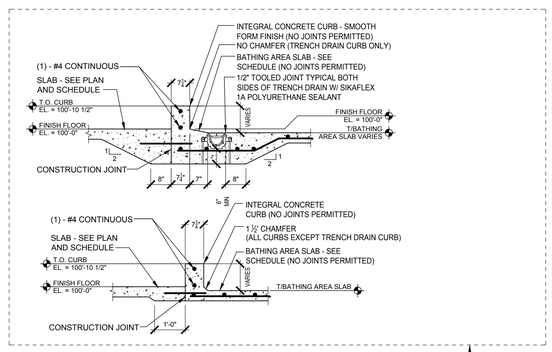
SHEET NUMBER:
A1.0



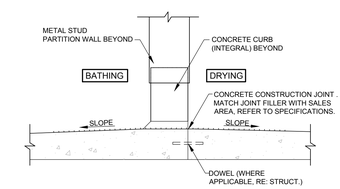
1 FLOOR FINISH PLAN
A2.0 — SCALE: 1/8" = 1'-0"



4 ALTERNATE DUMPSTER ENCLOSURE PLAN
A2.0 — SCALE: 1/4" = 1'-0"



3 BATHING ROOM CURB
A2.0 — SCALE: 1/2" = 1'-0"



2 TRANSITION DETAIL
A2.0 — N.T.S.

DESIGNER NOTE: DETAILS ARE TO BE USED WHEN FLOOR SLAB IS ALREADY POURED IN PLACE AND NEW PLUMBING LINE IS TO BE CUT INTO FLOOR TO TIE OUT.

LEGEND:

- SLOPED CONCRETE SLAB
- POLISHED OR EXPOSED CONCRETE FLOOR FINISH
- EXISTING EXTERIOR WALLS BY BASE BUILDING
- INDICATES DIRECTION OF SLOPE DOWN.

DESIGNER NOTE: DESIGNER TO INCLUDE ONLY IF ELEMENT IS TO BE PROVIDED, OTHERWISE REMOVE FROM LEGEND.

FLOOR FINISH LEGEND :

NOTE: CONTRACTOR TO SEE SHEET "F2.0" FOR LIST OF REQUIRED POLISHED CONCRETE VENDORS

FC-1 POLISHED CONCRETE - AMERIPOLISH SYSTEM (NO COLOR & POLISH TO #800 GRIT. FILL/SEAL ALL CONSTRUCTION AND CONTROL JOINTS (COLOR TO MATCH). SEE SPECIFICATIONS.

FC-2 EXPOSED CONCRETE WITH (LIGHT) SOFT BROOM FINISH, HARD TROWLED SMOOTH AND FINISHED WITH A VERY SOFT HORSE HAIR BROOM (ERR ON THE SIDE OF SMOOTH). PETSMART CONSTRUCTION MANAGER TO HAVE FINAL APPROVAL OF FINISH. LIGHTLY STONE AS NEEDED TO MINIMIZE ROUGHNESS. APPLY (2) COATS OF "AQUAPEL PLUS" SEALER AS MANUFACTURED BY L & M CONSTRUCTION CHEMICAL. DIRECTION OF SLOPE AS INDICATED.

GENERAL NOTES:

1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES
2. NO VISIBLE FLOOR CUTS ACCEPTABLE @ ANY LOCATIONS OTHER THAN THOSE INDICATED IN THE DRAWINGS, UNLESS APPROVED BY PETSMART CONSTRUCTION MANAGER.
3. ALL FLOOR FINISH DIMENSIONS ON THIS SHEET ARE TO FINISHED SURFACE 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. CERAMIC TILE TO EXTEND UNDER ALL FIXTURES, MILLWORK & EQUIPMENT UNLESS NOTED OTHERWISE.
6. ASSUMED FINISH FLOOR ELEVATION WITHIN THE ARCHITECTURAL DRAWINGS IS AT 100.00'.
7. G.C. TO CLEAN NON-POLISHED SLABS (LT BROOM AREAS) WITH A HARD BRISTLE BRUSH. DO NOT DAMAGE THE FINISH.
8. G.C. TO SCHEDULE A "PRE-SLAB" MEETING WITH PETSMART AND ALL ASSOCIATED TRADES PRIOR TO ANY ORDERING, POURING OR INSTALLATION OF CONCRETE SLABS.
9. ALL EXPOSED, NON-POLISHED CONCRETE FLOORS TO RECEIVE 2 COATS OF AQUA-PEL PLUS SEALER BY L&M CONSTRUCTION CHEMICAL.
10. AT ALL AREAS OF EXPOSED CONCRETE FLOOR FINISH, EXTREME CAUTION MUST BE USED TO PROTECT THE FLOOR FROM CERAMIC TILE GROUT. CONTRACTOR IS TO BE RESPONSIBLE FOR THE REMOVAL AND REPAIR OF CONCRETE FLOOR, OR REPLACEMENT OF THE CONCRETE SLAB AND CONCRETE FINISHES OF THE AFFECTED AREAS.
11. G.C. TO PROTECT BATHING (116) & DRYING (115) FLOORS AFTER INSTALLATION. CONTRACTOR IS TO BE RESPONSIBLE FOR THE REMOVAL AND REPAIR OF CONCRETE FLOOR, OR REPLACEMENT OF THE CONCRETE SLAB AND CONCRETE FINISHES OF THE AFFECTED AREAS.
12. G.C. TO PROTECT POLISHED CONCRETE FLOOR SLABS FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR IS TO BE RESPONSIBLE FOR THE REMOVAL AND REPAIR OF CONCRETE FLOOR, OR REPLACEMENT OF THE CONCRETE SLAB AND CONCRETE FINISHES OF THE AFFECTED AREAS.
13. CONCRETE SLAB:
    - •• CONCRETE CONSTRUCTION JOINTS ALLOWED IN BATHING AND DRYING SLAB. WHERE SHOWN "C.J." SPECIFICALLY INDICATES CONSTRUCTION JOINTS. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION. SEE DETAIL 5/A2.0.
    - •• ALL CONCRETE SLAB CONSTRUCTION JOINTS IN THE BATHING AND DRYING TO BE FILLED WITH SIKAFLEX IA POLYURETHANE SEALANT.
    - •• CONTRACTOR TO PROVIDE PROTECTION OR COVER ALL TRENCH DRAINS DURING CONSTRUCTION, TO PREVENT DEBRIS FROM ENTERING DRAINS. G.C. WILL BE RESPONSIBLE TO PROVIDE VIDEO OF ALL DRAIN LINES.
    - •• DIMENSIONS ON PLAN ARE TO THE EDGE OF CONCRETE. ENSURE TRANSITIONS THAT OCCUR AT CONSTRUCTION JOINTS OCCUR UNDER OR AT FACE OF WALLS TO AVOID JOINT/CRACKING VISIBILITY.
    - •• ***THE LOCATIONS OF DRAINS AND CONCRETE SLAB DEPRESSED/SLOPED AREAS ARE CRITICAL. ANY DEVIATION FROM THE DIMENSIONS SHOWN ON PLANS IS NOT ACCEPTABLE AND CONCRETE SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S COST WITH NO EFFECT TO THE SCHEDULE.***

CONCRETE SLAB REPAIR NOTES:

AT EXISTING SLAB; FILL ALL HOLES PRIOR TO INSTALLATION OF POLISHED FLOOR SYSTEM.

CRACK REPAIR, SURFACE SPALLING, POP OUTS OR BOLT HOLES
- USE RAPID REFLOOR BY METZGER MCGUIRE OR APPROVED EQUAL

SURFACE REPAIR LARGER THAN 6" IN DIAMETER, INFILL 1/2" TO 2" IN DEPTH
- ARDEX PCT - POLISHABLE CONCRETE TOPPING OR APPROVED EQUAL

SLAB SCHEDULE:

LOCATION	THICKNESS	REINFORCEMENT	
BATHING AREA DRYING AREA	4"	#4 AT 12" OC EACH WAY CENTER OF SLAB	10 MIL VAPOR RETARDER (ASTM D-2103) OVER 4" GRANULAR (SEE SOILS REPORT)
6" INTERIOR SLAB (RECEIVING)	6"	SEE STRUCTURAL DRAWINGS AND SOIL REPORT	10 MIL VAPOR RETARDER (ASTM D-2103) OVER 4" GRANULAR (SEE SOILS REPORT)
4" INTERIOR SLAB	4"	SEE STRUCTURAL DRAWINGS AND SOIL REPORT	10 MIL VAPOR RETARDER (ASTM D-2103) OVER 4" GRANULAR (SEE SOILS REPORT)
SIDEWALK	4"	SEE STRUCTURAL DRAWINGS AND SOIL REPORT	4" GRANULAR

SLAB CUTTING AND FILL:

THIS CONTRACTOR IS REQUIRED TO PROVIDE ALL SLAB CUTTING, TRENCHING, REMOVAL AND PATCHING/INFILL TO ACCOMODATE ALL REQUIRED NEW UNDER FLOOR SANITARY PIPING. REFER AND COORDINATE WITH PLUMBING DRAWINGS P1.0, P1.1, AND MECHANICAL CONTRACTOR.

FOR SLAB INFILL:

1) CONTRACTOR TO ADD CLEAN SAND FILL MIN. 12" COVER AROUND PIPING, AND 3/4" CLEAR STONE FILL MATCHING EXISTING LAYERING.
2) PROVIDE 24" LONG DOWELS AT 24" O.C. DOWELLED AND HILTI INTO EXISTING SLAB EDGE 12" DEEP.
3) PROVIDE 6X6 WIRE MESH SHEET AND SECURE TO DOWELS WITH WITH WIRE TIES. OVERLAP SHEETS ONE TO THE OTHER. ROUGH EXISTING SLAB EDGE AND PROVIDE CONCRETE BONDING AGENT TO CLEAN SURFACE OF EXISTING SLAB FOR ADHESION WITH NEW.
4) FILL CAVITY WITH POURED CONCRETE OF 25MPa MATCHING EXISTING SURFACE AND FINISH. FEATHER SMOOTH JOINTS AND MAKE SEAMLESS.

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET
FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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PAGE #: 7 OF: 53
1"

DISCIPLINE: ARCHITECTURAL

TITLE: **FLOOR & FINISH PLAN**

SHEET NUMBER: **A2.0**

GENERAL NOTES:

1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES
2. NO VISIBLE FLOOR CUTS ACCEPTABLE @ ANY LOCATIONS, UNLESS APPROVED BY PETSMART CONSTRUCTION MANAGER.
3. ALL INTERIOR PARTITION DIMENSIONS ARE TO FACE OF WALLBOARDOR 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. INSTALL RUBBER BASE AROUND ALL MILLWORK AFTER MILLWORK IS INSTALLED.
5. SEALANTS TO BE SAME COLOR AS ADJACENT SURFACE UNLESS NOTED OTHERWISE.
6. ASSUMED FINISH FLOOR ELEVATION WITH THE ARCHITECTURAL DRAWINGS IS SHOWN AS 100.00'.
7. FOR ALL DOORS REQUIRING WALL MOUNTED DOOR STOPS, PROVIDE PLYWOOD BLOCKING PER BLOCKING SCHEDULE.
8. SEALANT IN ALL WET AREAS TO BE SIKAFLEX IA 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 10/A6.0.
11. SEE SHEET A9.0 FOR WALL TYPES
12. CONTRACTOR TO INSTALL ALL PAPER TOWEL DISPENSERS AND HAND SANITIZERS WHERE SHOWN ON DRAWINGS, ON REPTILE HABITAT ON SIDE FACING AWAY FROM FRONT DOOR, ON DOOR OF BIRD HABITAT, AND ALL OTHER PET CLEANUP STATIONS AS DIRECTED BY PETSMART CM.
13. ALL MILLWORK IN THE SALON AREAS IS SUPPLIED AND INSTALLED AS PART OF THE GENERAL CONTRACT BY THE G.C. THROUGH REQUIRED VENDOR PROGRAM WITH ADVANCED FIXTURES, INC. (NATIONAL ACCOUNT MILLWORK VENDOR.).
14. CONTRACTOR IS TO PROVIDE ALL REQUESTED SITE MEASURED DIMENSIONS FOR DECOR CONTRACTOR.
15. SEE SHEET A6.0 FOR DOOR SCHEDULE AND SHEET A6.1 FOR STOREFRONT AND WINDOW ELEVATIONS.

WALL PARTITION INSULATION LEGEND:

WXY

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

BARRIER FREE ACCESSIBILITY NOTE:

BARRIER FREE ACCESS FOR THE SPACE SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF SECTION 3.8 OF THE BUILDING CODE. SPECIFICALLY FOR THIS PROJECT TO INCLUDE: PATH OF TRAVEL, CONTROLS, SIGNAGE, DOORS, WASHROOMS, AND DRINKING FOUNTAIN.

DESIGNER NOTE: IF THERE IS A SHARED METAL STUD DEMISING WALL IT MUST BE DEMISING WALL SHALL BE REMOVED AT TENANT METAL STUD WITH ACOUSTIC INSULATION. AND GYP. BD. WITH ACROVYN PANELS.

DESIGNER NOTE: IF THERE IS A SHARED METAL STUD DEMISING WALL NEED TO BE REMOVED AT TENANT. INSTALL CHICKEN WIRE BETWEEN STUDS AND GYPSUM BOARD ON PETSMART SIDE OF WALL. THIS BOARD TO BE SCREWED ADDITIONALLY TO SHIELD AT A.F.F. TILE. ADDITIONALLY, SHIELD TO BE FURRED OUT TO ACCOMMODATE OUTLETS, PLUMBING, ETC.

DESIGNER NOTE: CONSULT THE PETSMART CM IF WINDOW SHADES WILL BE REQUIRED. REMOVE FROM VESTIBULE IF NOT REQUIRED. REMOVE FROM VESTIBULE IF WINDOW WALL IS A NON-LOAD BEARING WALL. CHECK WITH PETSMART CM IF WINDOW THICKNESS IS ADDITIONAL WINDOW SHADES

DESIGNER NOTE: IN NON-PROTOTYPICAL LAYOUT, THE BARRIER-FREE ACCESSIBLE ENTRY RAMP SHOULD BE LOCATED AT PRIMARY ENTRY. PETSMART PREFERRED PRODUCT IS STEP-SAFE PRECAST POLYMER CONCRETE BARRIER-FREE COMPLIANT SAFETY TILE. COLOR SAFETY YELLOW.

DESIGNER NOTE: TRUE NORTH TO BE VERIFIED BY ARCHITECT. PROTOTYPE IS USED FOR MANY PROJECTS AND MAY BE ROTATED TO SUIT SITE. TOP OF PLAN IS NOT ALWAYS NORTH. DO NOT INCLUDE "PROJECT NORTH". NEED

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

CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
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PAGE #: 8 OF: 53

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

DISCIPLINE: ARCHITECTURAL

TITLE:

ENLARGED FLOOR PLAN

SHEET NUMBER:

A2.1

1 / A2.1 ENLARGED PLAN FRONT OF STORE
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES
2. NO VISIBLE FLOOR CUTS ACCEPTABLE @ ANY LOCATIONS, UNLESS APPROVED BY PETSMART CONSTRUCTION MANAGER.
3. ALL INTERIOR PARTITION DIMENSIONS ARE TO FACE OF WALLBOARD 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. INSTALL RUBBER BASE AROUND ALL MILLWORK AFTER MILLWORK IS INSTALLED.
5. SEALANTS TO BE SAME COLOR AS ADJACENT SURFACE UNLESS NOTED OTHERWISE.
6. ASSUMED FINISH FLOOR ELEVATION WITH THE ARCHITECTURAL DRAWINGS IS SHOWN AS 100.00'.
7. FOR ALL DOORS REQUIRING WALL MOUNTED DOOR STOPS, PROVIDE MTL. STUD BLOCKING PER BLOCKING SCHEDULE.
8. SEALANT IN ALL WET AREAS TO BE SIKAFLEX IA 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 10/A6.0.
11. SEE SHEET A9.0 FOR WALL TYPES
12. CONTRACTOR TO INSTALL PAPER TOWEL DISPENSER AND HAND SANITIZER IN ADOPTION CENTER ROOM W/ KENNELS, ON REPTILE HABITAT ON SIDE FACING AWAY FROM FRONT DOOR, ON DOOR OF BIRD HABITAT, AND ALL OTHER PET CLEANUP STATIONS AS DIRECTED BY PETSMART CM.
13. ALL MILLWORK IN THE SALON AREAS IS SUPPLIED AND INSTALLED AS PART OF THE GENERAL CONTRACT BY THE G.C. THROUGH REQUIRED VENDOR PROGRAM WITH NATIONAL ACCOUNT MILLWORK VENDOR.
14. CONTRACTOR IS TO PROVIDE ALL REQUESTED SITE MEASURED DIMENSIONS FOR DECOR CONTRACTOR.
15. SEE SHEET A6.0 FOR DOOR SCHEDULE AND SHEET A6.1 FOR STOREFRONT AND WINDOW ELEVATIONS.

WALL PARTITION INSULATION LEGEND:

WXY

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

BARRIER FREE ACCESSIBILITY NOTE:

BARRIER FREE ACCESS FOR THE SPACE SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF SECTION 3.8 OF THE BUILDING CODE. SPECIFICALLY FOR THIS PROJECT TO INCLUDE: PATH OF TRAVEL, CONTROLS, SIGNAGE, DOORS, WASHROOMS, AND DRINKING FOUNTAIN.

DESIGNER NOTE: WHEN NON-PROTOTYPICAL DOCK CONDITIONS OCCUR, DUE TO MARRYING SLOPE DOWN DOCK SURFACES ON MARYLAND CONSTRUCTIONS OR WITH THE NATIONAL ACCOUNT CORNER FOR THE LEADING DOCK EQUIPMENT, PIT DIMENSIONS, AND SLAB CANTILEVER DIMENSIONS

DESIGNER NOTE: ADJUST GRADES AS REQUIRED FOR JOB SPECIFIC CONDITIONS MAINTAINING CODE REQUIREMENTS. PROVIDE GUARDRAIL WHEN CODE COMPLIANT HANDRAIL SLOPE CANNOT BE ACHIEVED

DESIGNER NOTE: IF THERE IS SHARED METAL STUD DEMISING WALL BETWEEN TENANT AND PETSMART STORE AND CIRCULATION BOARD WILL BE ON TENANT SIDE OF WALL, SHEETROCK ON PETSMART DEMISING WALL SHOULD BE TAPED AND FINISHED UP TO 12" A.F.F. ADDITIONALLY IF REQUIRED TO BE FURRED OUT TO ACCOMMODATE CASEWORK, PLUMBING, ETC. ...

DESIGNER NOTE: LOCATE WATER LOOP CONDUITS AND DOCK CONTROL LIGHT BASED ON FUTURE PLAN.

DESIGNER NOTE: WASHROOM LAYOUT SHOWN IS BASED ON LOCAL CODE REQUIREMENTS

INSTALL 3/4" FIRE RETARDANT TREATED CDX PLYWOOD (WC-4) HORIZONTALLY AT ALL STUD FRAMED RECEIVING AREA WALLS TO 16'-0" A.F.F. EXCEPT THOSE RECEIVING FRP, REFER TO FINISH SCHEDULE ON A7.0

1 A2.2 ENLARGED PLAN BACK OF STORE
SCALE: 1/4" = 1'-0"

3 A2.2 ENLARGED BATHING
SCALE: 3/8" = 1'-0"

2 A2.2 ENLARGED WASHROOMS
SCALE: 3/8" = 1'-0"

4 A2.2 DOCK LEVELER PIT ISOMETRIC
SCALE: 3/8" = 1'-0"

NOTES:
1. CONCRETE BEHIND PIT STEEL MUST BE WELL VIBRATED.
2. REAR PIT WALL MUST BE SQUARE W/ DOCK FLOOR.
3. ALL CURB ANGLE JOINTS TO BE WELDED SECURELY.
4. 1/2" PITCH TOWARD FRONT OF PIT FOR DRAINAGE.
5. COORDINATE PIT LEVELLER CONSTRUCTION AND INSTALLATION W/ MFR. INSTALLATION INSTRUCTIONS AND PIT REQUIREMENTS PRIOR TO PIT INSTALLATION. NATIONAL ACCOUNT VENDOR.

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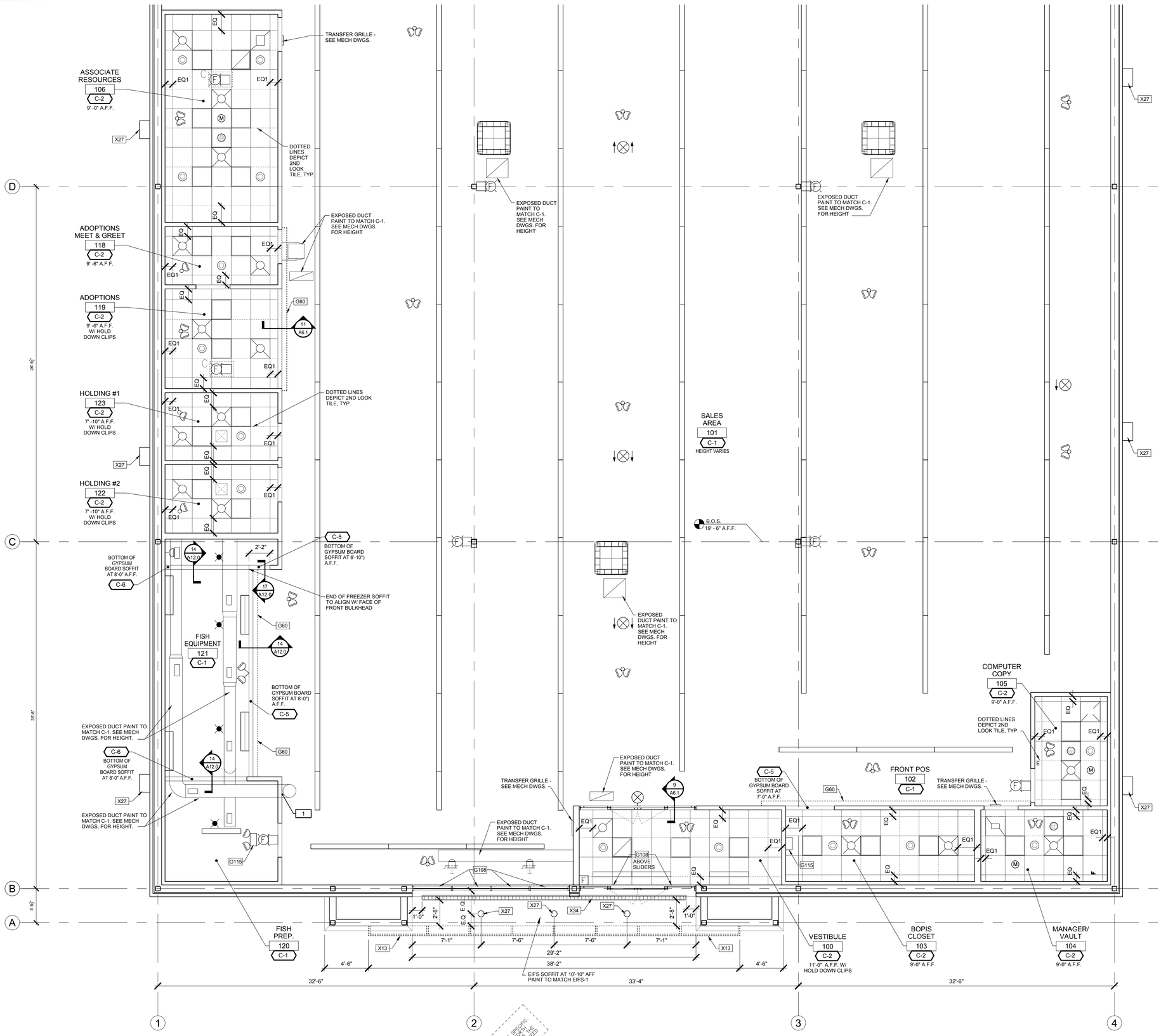
PROJECT NO: C40045686.0146
DATE: 02.12.25
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DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 9 OF: 53
DISCIPLINE: ARCHITECTURAL

TITLE:

ENLARGED FLOOR PLANS

SHEET NUMBER:

A2.2



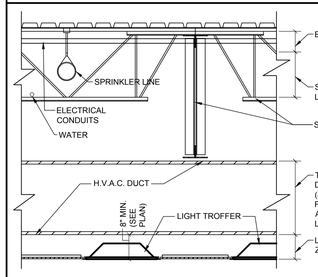
CEILING SYMBOLS:

	SUSPENDED 4' OR 8' LED LIGHT (REFER TO ELECTRICAL)
	WALL MOUNTED 2"x4' LED LIGHT (REFER TO ELECTRICAL)
	2X2 LED LIGHT IN T-BAR CEILING
	'SHADE' INDICATES NIGHT LIGHT FIXTURE
M	CEILING MOTION SENSOR
	CANOPY POT LIGHTS
	EXTERIOR WALL MOUNTED FIXTURE
	EMERGENCY EXIT SIGNAGE - LOCATE AND MOUNT PER CITY AND FIRE MARSHALL REQUIREMENTS. COORDINATE WITH ELECTRICAL, WALL MOUNT AT DOORS.
	EMERGENCY LIGHT HEADS - CEILING MOUNTED
	EMERGENCY LIGHT HEADS - WALL MOUNTED
	DC BATTERY UNIT (SEE ELECTRICAL DRAWINGS)
	CEILING MOUNTED SPEAKER
	SUPPLY DIFFUSER
	RETURN DIFFUSER
	EXHAUST DIFFUSER
	DIFFUSER - SEE MECHANICAL
	LINEAR SLOT DIFFUSER
	ELECTRIC CEILING HEATER
F	WALL MOUNTED FA/HORN/STROBE LIGHT
C F	CEILING MOUNTED FA/HORN/STROBE LIGHT
	CONCEALED SPRINKLER COMPLETE WITH WHITE COVER PLATE
	UPRIGHT SPRINKLER HEAD
	LOUD SPEAKER
	PENDANT MOUNTED SPEAKER

CEILING LEGEND:

- C-1 EXPOSED CONSTRUCTION-PAINT (P-1). EXPOSED DUCTWORK, PIPING, STRUCTURE, ETC. UP TO & INCLUDING BOTTOM OF ROOF DECK "DOVER GRAY" #PPG1001-5 .
- C-2 2X4 LAY-IN ACOUSTICAL CEILING PANEL USG INTERIORS, INC. PATTERN: RADAR CLIMAPLUS ILLUSION two!24 NO. 2842, FINISH: FACTORY PREFINISHED WHITE.
- C-3 2X4 VINYL COATED LAY-IN ACOUSTICAL CEILING PANEL USG INTERIORS, INC. FINISH: WHITE VINYL FACING IN STIPPLE PATTERN.
- C-4 2X4 REINFORCED FIBERGLASS LAY-IN ACOUSTICAL CEILING PANEL CERTAINTEED. PATTERN: SYMPHONY F 1340-IOF-1 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 PPG PAINTS.
- C-7 FRP FINISH TO MATCH ROOM FINISH, REFER TO INTERIOR ELEVATIONS

TYP. CEILING SPACE LAYOUT:



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 CUSTOMERS VIEW. ALL BOX OUT AREAS ARE TO BE AS SMALL AS POSSIBLE AND BE APPROVED BY ARCHITECT AND OWNER PRIOR TO INSTALLATION.

1 / A3.0 ENLARGED REFLECTED CEILING PLAN FRONT OF STORE

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

NORTH

DESIGNER NOTE: REVIEW NOTES TO REFERENCE SPECIFIC PROJECT REQUIREMENTS. VERIFY THE DIRECTIONS AS SHOWN ON THE PLAN ARE TRUE. IF THEY ARE NOT, REVISE AS NEED TO INCLUDE PROJECT NORTH.

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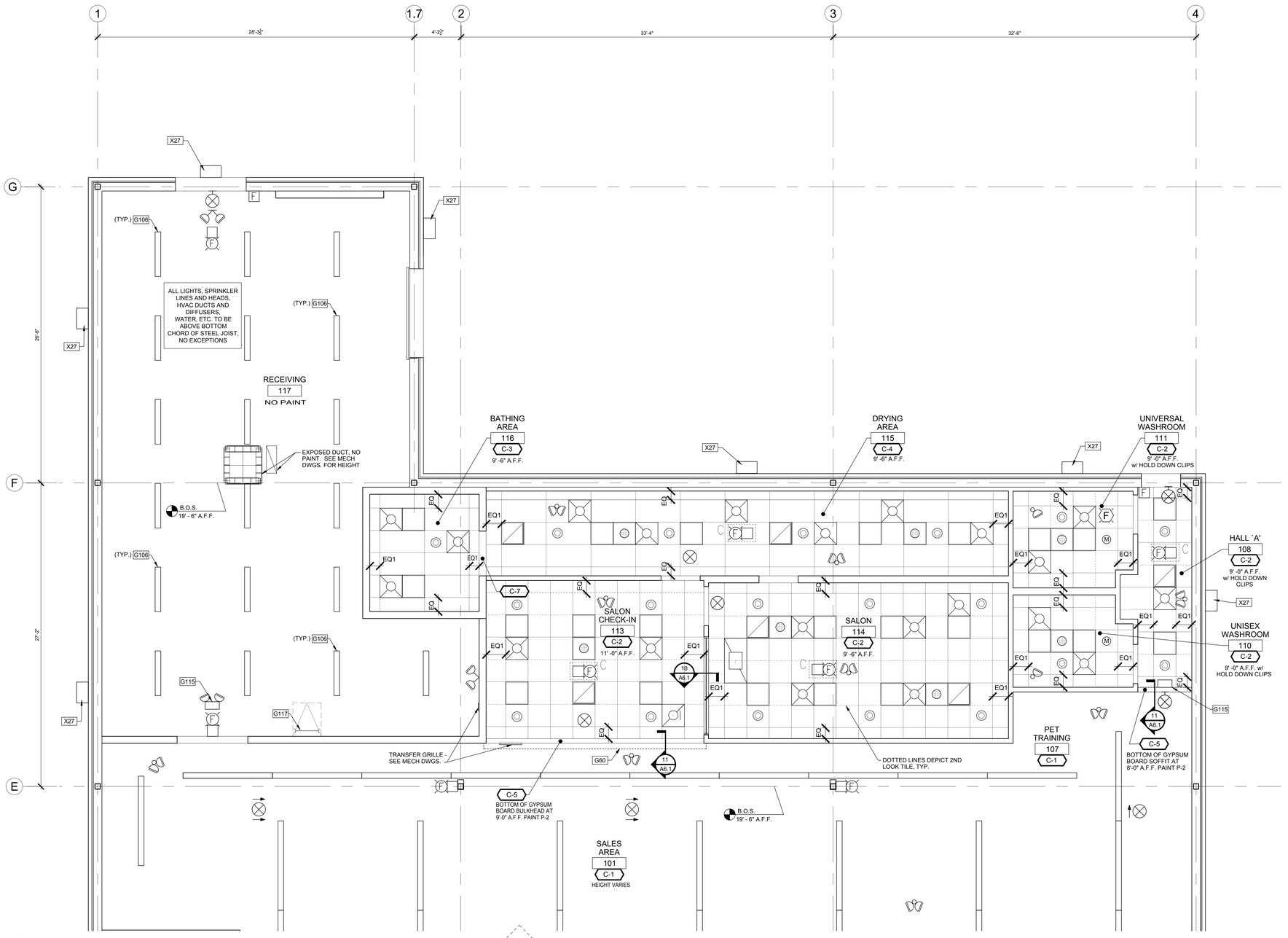
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DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 10 OF: 53
1"

DISCIPLINE: ARCHITECTURAL

TITLE: **ENLARGED REFLECTED CEILING**

SHEET NUMBER: **A3.0**



1 / A3.1 ENLARGED REFLECTED CEILING PLAN BACK OF STORE

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

NORTH

DESIGNER NOTE:
REVIEW WITH TO BE PROJECT SPECIFIC-
REVISE AS REQUIRED. IF THE NORTH
DIRECTION IS ALREADY TOWARDS THE
TOP OF THE PAGE, THERE IS NO NEED
TO INCLUDE. PRECEDENT ADP 5.1

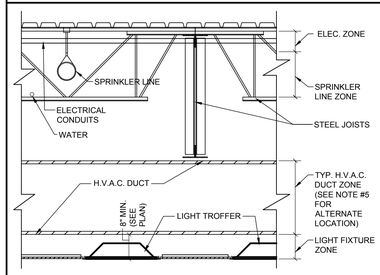
CEILING SYMBOLS:

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	WALL MOUNTED 2"x4' LED LIGHT (REFER TO ELECTRICAL)
	2X2 LED LIGHT IN T-BAR CEILING
	'SHADE' INDICATES NIGHT LIGHT FIXTURE
M	CEILING MOTION SENSOR
	CANOPY POT LIGHTS
	EXTERIOR WALL MOUNTED FIXTURE
	EMERGENCY EXIT SIGNAGE - LOCATE AND MOUNT PER CITY AND FIRE MARSHALL REQUIREMENTS. COORDINATE WITH ELECTRICAL, WALL MOUNT AT DOORS.
	EMERGENCY LIGHT HEADS - CEILING MOUNTED
	EMERGENCY LIGHT HEADS - WALL MOUNTED
	DC BATTERY UNIT (SEE ELECTRICAL DRAWINGS)
	CEILING MOUNTED SPEAKER
	SUPPLY DIFFUSER
	RETURN DIFFUSER
	EXHAUST DIFFUSER
	DIFFUSER - SEE MECHANICAL
	LINEAR SLOT DIFFUSER
	ELECTRIC CEILING HEATER
P	WALL MOUNTED FA/HORN/STROBE LIGHT
C F	CEILING MOUNTED FA/HORN/STROBE LIGHT
	CONCEALED SPRINKLER COMPLETE WITH WHITE COVER PLATE
	UPRIGHT SPRINKLER HEAD
	LOUD SPEAKER
	PENDANT MOUNTED SPEAKER

CEILING LEGEND:

- **C-1** EXPOSED CONSTRUCTION-PAINT (P-1). EXPOSED DUCTWORK, PIPING, STRUCTURE, ETC. UP TO & INCLUDING BOTTOM OF ROOF DECK "DOVER GRAY" #PPG1001-5 .
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- **C-5** EXPOSED GYPSUM BOARD-PAINT (P-2). "COMMERCIAL WHITE" #PPG1025-1 .
- **C-6** BULKHEAD PAINT (P-3). DOVER GRAY #PPG1001-5 PPG PAINTS.
- **C-7** FRP FINISH TO MATCH ROOM FINISH, REFER TO INTERIOR ELEVATIONS

TYP. CEILING SPACE LAYOUT:



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.
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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.
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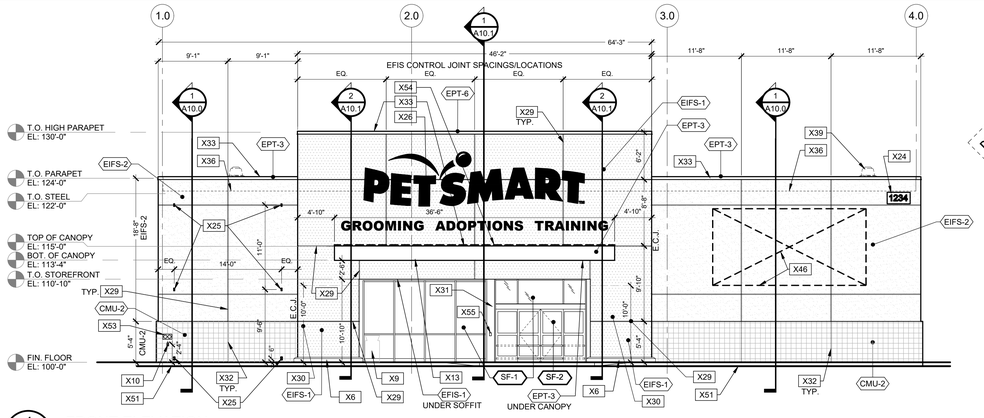
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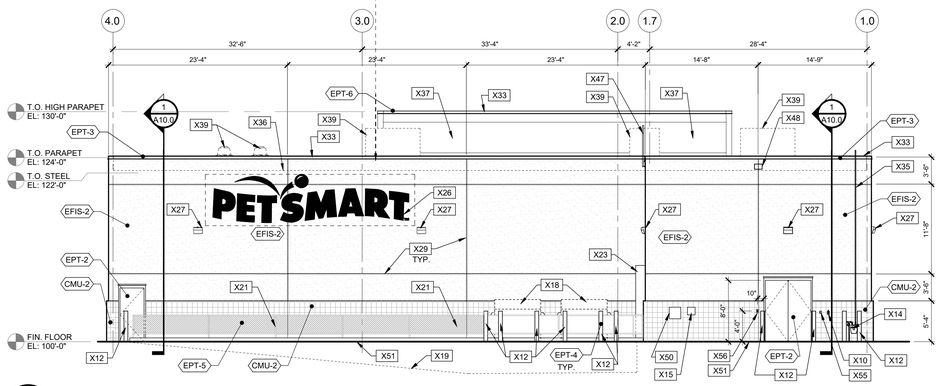
DISCIPLINE: ARCHITECTURAL

TITLE:
ENLARGED REFLECTED CEILING

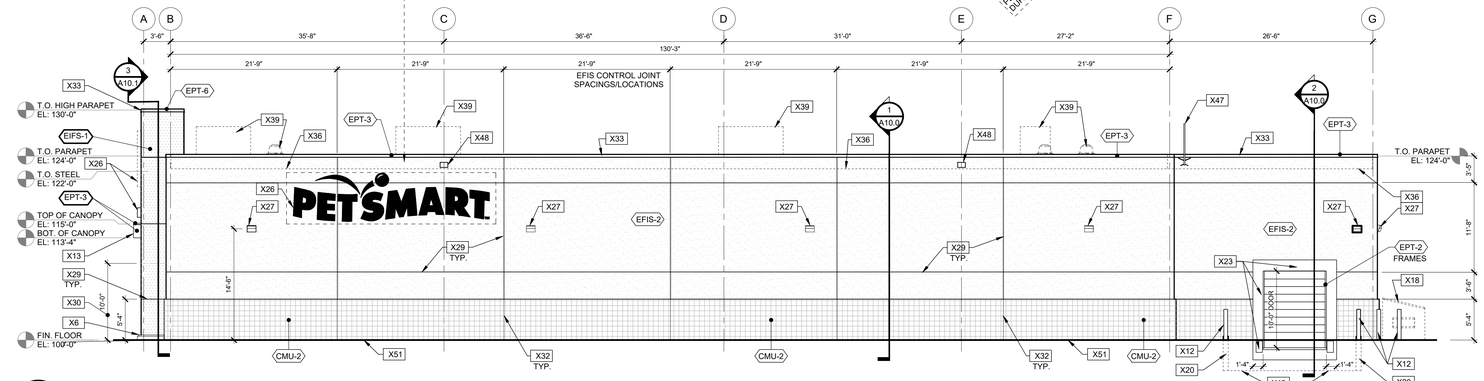
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A3.1



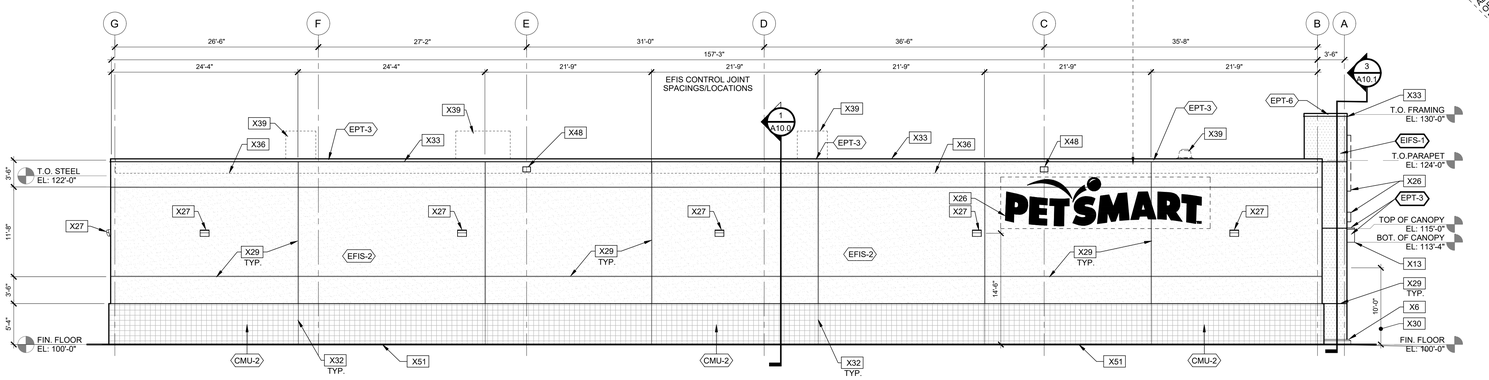
4 A4.0 FRONT ELEVATION
SCALE: 1/8" = 1'-0"



3 A4.0 REAR ELEVATION
SCALE: 1/8" = 1'-0"



2 A4.0 RIGHT ELEVATION
SCALE: 1/8" = 1'-0"



1 A4.0 LEFT ELEVATION
SCALE: 1/8" = 1'-0"

DESIGNER NOTE:
PARAPET HEIGHTS SHALL BE IMPRESSED AS SHOWN ON THESE ELEVATIONS. SPECIFIC BASIS TO BE CONSISTENT IN PROPORTION WITH OTHER PETSMART TENANTS IN THE CENTER. CONFIRM WITH PETSMART BUILDING PARAPET HEIGHTS SHOWN ARE TYPICAL FOR OTHER MAJOR TENANTS AND ENTRY FEATURES. BUILDING 24'-0" HEIGHTS REQUIRED

DESIGNER NOTE:
BIRD DEFERRENT FLEX STRIP TRACK SYSTEM TO BE INSTALLED ON ALL PROTOTYPICAL CANOPY ON PROTOTYPE SPECIFIC AREAS. NON-PROTOTYPICAL ENTRY CANOPY WITHOUT AN ETCH BRIM CANOPY, THE BIRD DETERRENT FLEX STRIP TRACK SYSTEM SHOULD BE DELETED.

DESIGNER NOTE:
COORDINATE WALL PACKS WITH SITE CONDITIONS. ADD WALL PACKS AS NEEDED

DESIGNER NOTE:
ADDITIONAL PETSMART SIGN OPPORTUNITIES. COORDINATE WITH PETSMART & SIGNAGE VENDOR DURING PRE-DESIGN KICK OFF CALL.

DESIGNER NOTE:
ADDITIONAL PETSMART SIGN OPPORTUNITIES. COORDINATE WITH PETSMART & SIGNAGE VENDOR DURING PRE-DESIGN KICK OFF CALL.

DESIGNER NOTE:
ADDITIONAL PETSMART SIGN OPPORTUNITIES. COORDINATE WITH PETSMART & SIGNAGE VENDOR DURING PRE-DESIGN KICK OFF CALL.

DESIGNER NOTE:
CONFIRM SPECIFIC BASIS, LOW-E GLASS SPECIFICATION ON A PROJECT SPECIFIC BASIS. GLASS TYPES SHALL BE REVISED TO MEET REGIONAL IECC REQUIREMENTS. DOOR/WINDOW WITH GLASS TYPES ON SHEET A6.1. REFER TO TABLE 2402 "GLAZING AND WINDOW PROTECTION" FOR ADDITIONAL INFORMATION (PRESCRIPTIVE) ON SHEET A6.1 FOR:
- TYPICAL SOLARBAN OPTIONS
- NO SOLARBAN 60 (2) + CLEAR - VLT=70 | UVALUE=0.29 | SHGC=0.39
- SOLARBAN 70 (2) + CLEAR - VLT=51 | UVALUE=0.29 | SHGC=0.27
- SOLARBAN 90 (2) + CLEAR - VLT=51 | UVALUE=0.29 | SHGC=0.23

GENERAL NOTES:

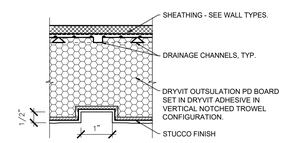
1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES

MATERIAL/FINISH SCHEDULE (EXTERIOR):

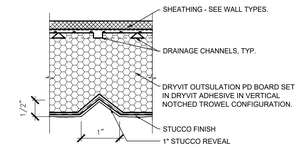
	MATERIAL	FINISH COAT(S)	COLOR
CMU-1	SMOOTH FACE C.M.U.	2 COATS DULUX WEATHER GUARD EXT. FLAT -1536	PAINT PPG PAINTS #PPG1007-5 "LAZY AFTERNOON"
CMU-2	SINGLE SCORE C.M.U.	2 COATS DULUX WEATHER GUARD EXT. FLAT -1536	PAINT PPG PAINTS #PPG1007-6 "COOL CHARCOAL"
EIFS-1	E.I.F.S.	2 COATS DULUX WEATHER GUARD EXT. FLAT -1530	PAINT PPG PAINTS #PPG1002-2 "ARCTIC COTTON" SAND FINISH
EIFS-2	E.I.F.S.	2 COATS DULUX WEATHER GUARD EXT. FLAT -1538	PAINT PPG PAINTS #PPG1007-5 "LAZY AFTERNOON" SAND FINISH
EPT-1	OVER FLOW SCUPPERS	PAINT DRIP GALVANIZED 2 COATS PITT-TECH DIRECT-TO-METAL SEMI-GLOSS 90-1210	PAINT PPG PAINTS #PPG1007-5 "LAZY AFTERNOON"
EPT-2	DOORS & FRAMES	2 COATS PITT-TECH DIRECT-TO-METAL SEMI-GLOSS 90-1210	PAINT PPG PAINTS MATCH CMU WALL COLOR
EPT-3	COPING / STEEL PLATE	PAINT DRIP GALVANIZED 2 COATS PITT-TECH DIRECT-TO-METAL SEMI-GLOSS 90-1210	PAINT PPG PAINTS #PPG1007-5 "LAZY AFTERNOON"
EPT-4	PIPE BOLLARD	2 COATS PITT-TECH DIRECT-TO-METAL SEMI-GLOSS 90-1210	PAINT PPG PAINTS TRAFFIC YELLOW
EPT-5	CHAIN LINK FENCE	PREFINISHED GALVANIZED (NO PAINT)	GALVANIZED
EPT-6	COPING	PAINT GRIP GALVANIZED 2 COATS PITT-TECH DIRECT-TO-METAL SEMI-GLOSS 90-1210	PAINT PPG PAINTS #PPG1002-2 "ARCTIC COTTON"
SF-1	STOREFRONT	ANODIZED FINISH (NO PAINT)	PREFINISHED CLEAR ANODIZED ALUMINUM FRAMING FINISH w/ 1" LOW-E INSULATING TEMPERED GLASS, PPG INDUSTRIES. SOLARBAN #8 (2) + CLEAR (OR APPROVED EQUAL) PROVIDE TEMPERED GLASS UP TO HORIZONTAL MULLION, AND HEAT STRENGTHENED ABOVE HORIZONTAL MULLION.
SF-2	AUTOMATIC SLIDING ENTRANCE DOOR WITH TRANSOM	ANODIZED FINISH (NO PAINT)	PREFINISHED CLEAR ANODIZED ALUMINUM FRAMING FINISH W/ 1" LOW-E INSULATING GLASS, PPG INDUSTRIES SOLARBAN #8 (2) + CLEAR (OR APPROVED EQUAL) PROVIDE TEMPERED GLASS IN SLIDING DOOR AND SIDE LIGHTS, AND HEAT STRENGTHENED AT TRANSOM.

MATERIAL/PRIMER SCHEDULE (EXTERIOR):

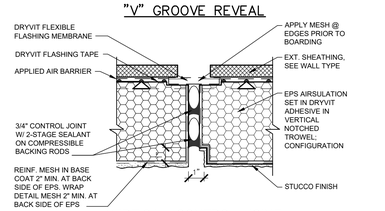
MATERIAL	PRIMERS
EXTERIOR GALVANIZED METAL	1 COAT PITT-TECH DIRECT-TO-METAL PRIMER 90-712
EXTERIOR FERROUS METAL	1 COAT PITT-TECH DIRECT-TO-METAL PRIMER 90-712
EXTERIOR CMU	1 COAT SPEEDHIDE ACRYLIC BLOCK FILLER #6-150/
E.I.F.S.	1 COAT PPG SEAL GRIP PRIMER SEALER 17-921
PIPE BOLLARDS	1 COAT PITT-TECH DIRECT-TO-METAL PRIMER 90-712



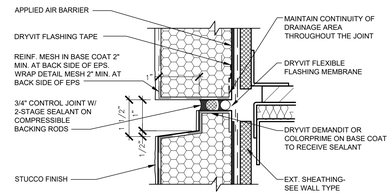
"U" GROOVE REVEAL



"V" GROOVE REVEAL



VERTICAL CONTROL JOINT



HORIZONTAL CONTROL JOINT

5 A4.0 TYP. EFFIS CONTROL & REVEAL JOINTS
SCALE: 1" = 1'-0"

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

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DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
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DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 12 OF: 53

DISCIPLINE: ARCHITECTURAL

TITLE:

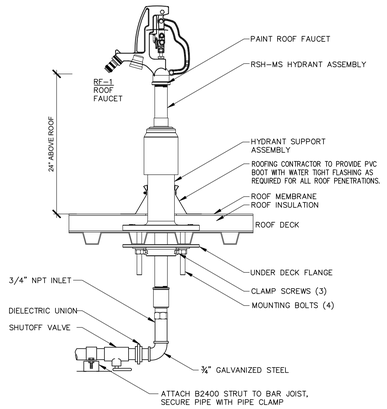
EXTERIOR ELEVATIONS

SHEET NUMBER:

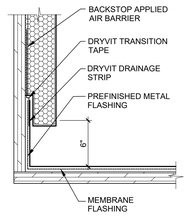
A4.0

ROOF PLAN GENERAL NOTES:

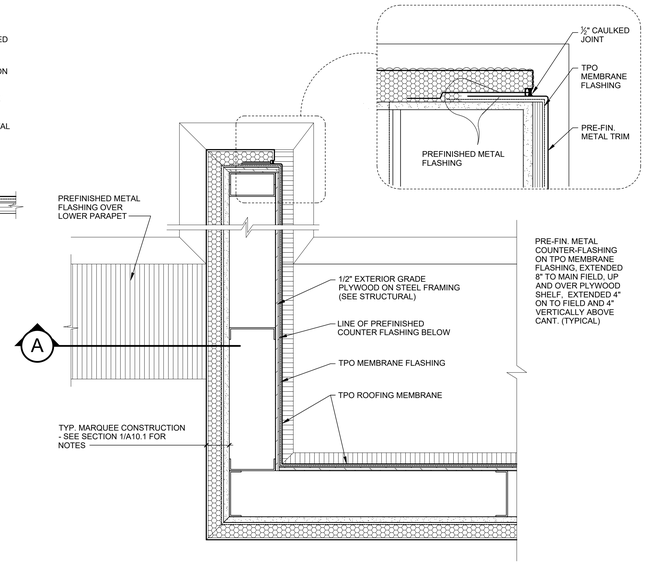
1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION BETWEEN THE ROOFING, ELECTRICAL AND PETSMART SIGNAGE CONTRACTOR FOR ANY PENETRATIONS REQUIRED IN THE ROOF OR PARAPET FOR THE INSTALLATION OF SIGNAGE.
3. PAINT ALL EXPOSED ROOF TOP COPPER CONDENSATE PIPING WHITE.
4. PAINT ALL EXPOSED ROOF TOP GAS PIPING YELLOW



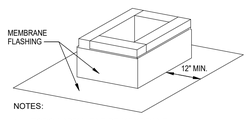
9 A5.0 ROOF WATER HYDRANT DETAIL
1 1/2" = 1'-0"



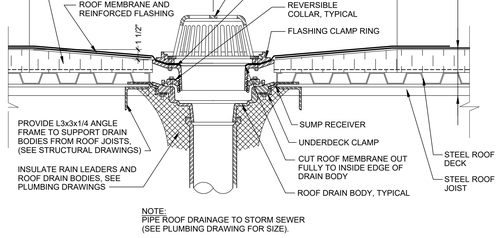
DETAIL `A'



8 A5.0 MARQUEE PARAPET DETAIL
SCALE: 1-1/2" = 1'-0"

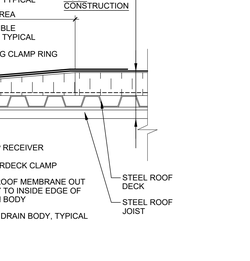


NOTES:
1. TORCH APPLY ENTIRE MEMBRANE.

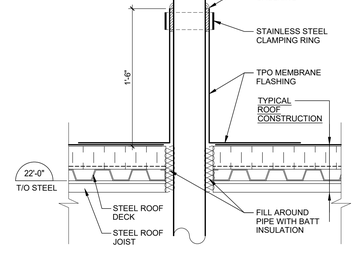


NOTE:
PIPE ROOF DRAINAGE TO STORM SEWER (SEE PLUMBING DRAWING FOR SIZE).

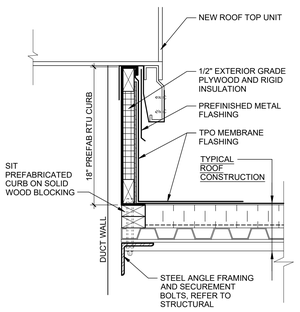
7 A5.0 ROOF DRAIN DETAIL
SCALE: 1-1/2" = 1'-0"



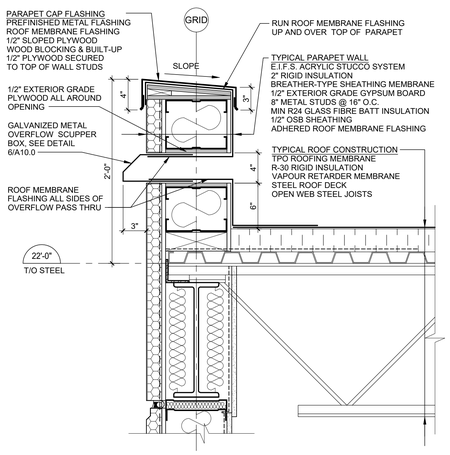
6 A5.0 EXHAUST FAN CURB DETAIL
SCALE: 1-1/2" = 1'-0"



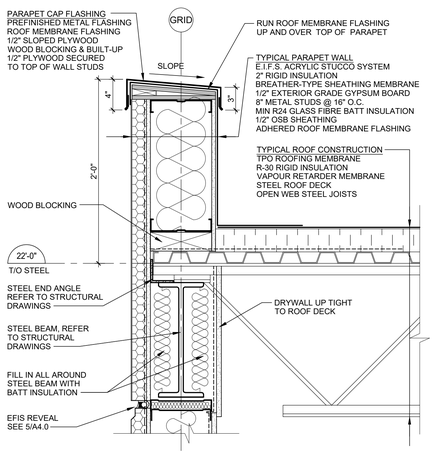
5 A5.0 VENT DETAIL
SCALE: 1-1/2" = 1'-0"



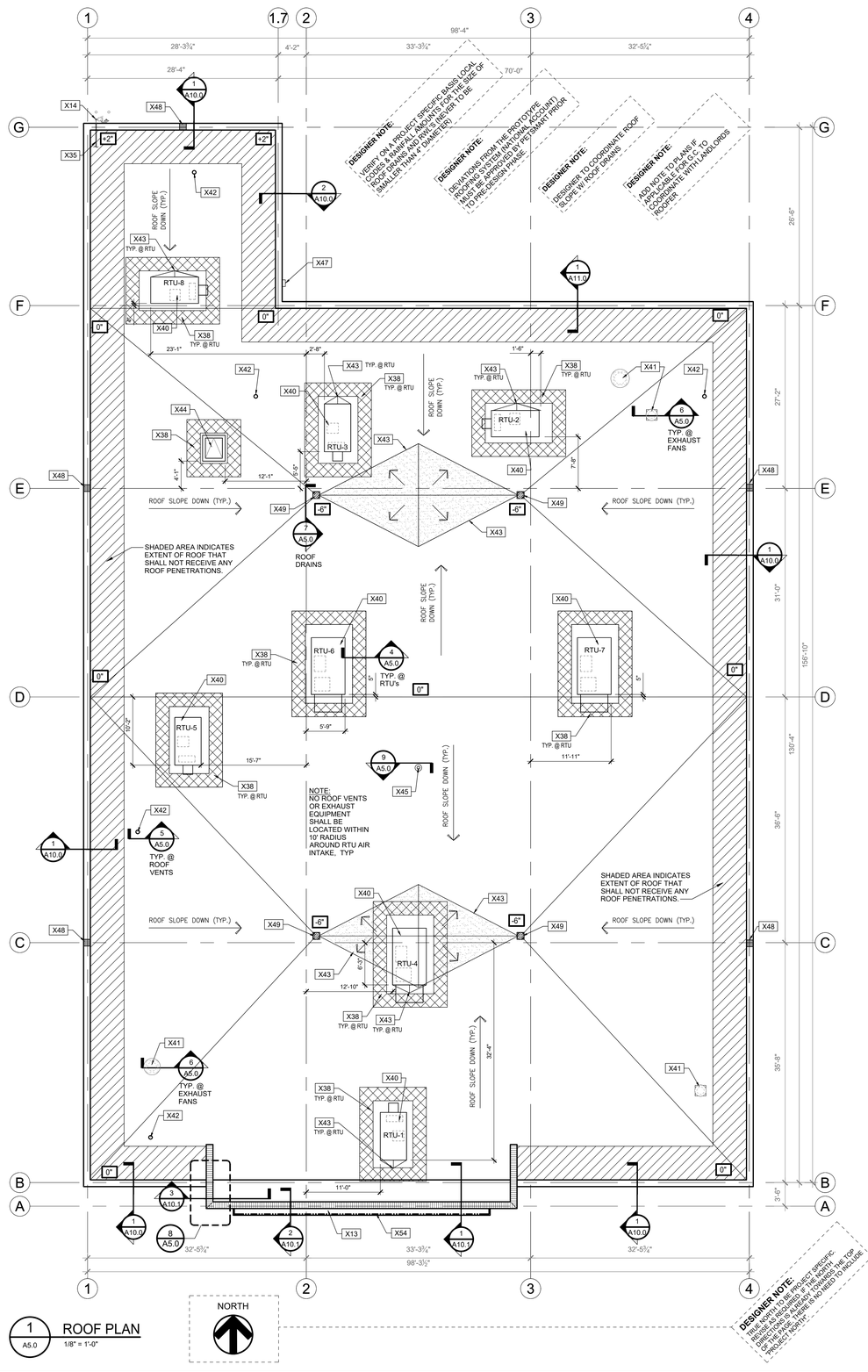
4 A5.0 ROOFTOP UNIT CURB
SCALE: 1-1/2" = 1'-0"



3 A5.0 PARAPET SCUPPER DETAIL
SCALE: 1-1/2" = 1'-0"



2 A5.0 TYPICAL PARAPET DETAIL
SCALE: 1-1/2" = 1'-0"



1 A5.0 ROOF PLAN
1/8" = 1'-0"

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

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NUMBER	ISSUE	DATE

PROJECT NO: C40045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 13 OF: 53
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DISCIPLINE: ARCHITECTURAL

TITLE:
ROOF PLAN

SHEET NUMBER:
A5.0

DOOR SCHEDULE

MARK	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR THKN.	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME COLOUR	FRAME PROFILE HEAD	FRAME PROFILE JAMB	HARDWARE GROUP	DETAILS HEAD	DETAILS JAMB	DETAILS SILL
100A	12'-0"	7'-7"	--	1A	ALUM./GLASS	PREFINISHED	CLEAR	--	--	1	5/A6.1	2/A6.1	11/A6.0
100B	12'-0"	7'-7"	--	1B	ALUM./GLASS	PREFINISHED	CLEAR	--	--	1	9/A6.1	6 & 7/A6.1	--
102	--	--	--	--	--	--	--	--	--	--	--	--	--
103	5'-0" OPN.	7'-0" OPN.	--	--	--	--	--	--	--	--	11/A6.1	9B/A6.0	--
104	3'-2"	7'-0"	1 3/4"	6A	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	3	2A/A6.0	2B/A6.0	--
105	3'-2"	7'-0"	1 3/4"	6B	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	8	2A/A6.0	2B/A6.0	--
106	3'-2"	7'-0"	1 3/4"	6D	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	15	2A/A6.0	2B/A6.0	--
107	3'-2"	3'-6"	--	--	--	--	--	--	--	--	--	--	--
108A	3'-2"	7'-0"	1 3/4"	3	INS. H.M.	PAINT	P6 (COMMERCIAL WHITE)	4"	2"	13	7A/A6.0	7B/A6.0	8/A6.0
108B	4'-10" OPN.	8'-0" OPN.	--	--	--	--	--	--	--	--	11/A6.1	9B/A6.0	--
109	--	--	--	--	--	--	--	--	--	--	--	--	--
110	3'-2"	7'-0"	1 3/4"	6D	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	10	2A/A6.0	2B/A6.0	--
111	3'-2"	7'-0"	1 3/4"	6D	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	12	2A/A6.0	2B/A6.0	--
113A	3'-2"	3'-6"	--	--	--	--	--	--	--	--	--	--	--
113B	3'-2"	3'-6"	--	--	--	--	--	--	--	--	--	--	--
114	3'-2"	7'-0"	1 3/4"	5	ALUM./GLASS	PREFINISHED	CLEAR	2"	2"	5	3B/A6.0	3B/A6.0	--
115A	3'-2"	7'-0"	1 3/4"	5	ALUM./GLASS	PREFINISHED	CLEAR	2"	2"	5	3B/A6.0	3B/A6.0	--
115B	3'-2"	7'-0"	1 1/2"	4A	ABS-PLASTIC	PREFINISHED	CLOUD GRAY	--	--	2	6/A6.0	6/A6.0	--
116	4'-0" OPN.	7'-0" OPN.	--	--	--	--	--	--	--	--	9A/A6.0	9B/A6.0	--
117A	PR. 3'-0"	8'-0"	1 1/2"	4B	ABS-PLASTIC	PREFINISHED	CLOUD GRAY	--	--	METAL	PREFINISHED	GRAY	2
117B	PR. 3'-0"	8'-0"	1 3/4"	3	INS. H.M.	PAINT	P5 (DOVER GRAY)	4"	2"	H.M.	PAINT	MATCH WALL	7
117C	8'-0"	10'-0"	--	2	METAL	PREFINISHED	WHITE	--	--	STEEL	PAINT	MATCH WALL	11
118	3'-2"	7'-0"	1 3/4"	5	ALUM./GLASS	PREFINISHED	CLEAR	2"	2"	ALUM.	ANODIZED	CLEAR	6
119	3'-2"	7'-0"	1 3/4"	6C	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	9
120	3'-2"	7'-0"	1 1/2"	4A	ABS-PLASTIC	PREFINISHED	CLOUD GRAY	--	--	METAL	PREFINISHED	GRAY	2
121	--	--	--	--	--	--	--	--	--	--	--	--	--
122	3'-2"	7'-0"	1 3/4"	6E	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	14
123	3'-2"	7'-0"	1 3/4"	6E	S.C. WOOD	PREFINISHED	WHITE BIRCH 0-95	1-1/2"	1-1/2"	STEEL	PREFINISHED	ALUMATONE	14
200	3'-0"	3'-0"	1 3/4"	3	INS. H.M.	PAINT	P6 (COMMERCIAL WHITE)	4"	2"	H.M.	PAINT	MATCH WALL	16

MARK	LOCATION	REMARKS
100A	VESTIBULE	7" CLEAR ANODIZED ALUMINUM THRESHOLD ACROSS ENTIRE WIDTH OF DOOR.
100B	VESTIBULE	NO THRESHOLD -NO BRUSHES ON ACTIVE PANELS
102	--	NOT USED
103	BOPIS	
104	MGR./VAULT	1" UNDERCUT DOOR
105	COMP./COPY	1" UNDERCUT DOOR
106	ASSOC. RES.	
107	PET TRAINING	DECORATIVE GATE SUPPLIED WITH FENCE AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR
108A	HALL A	INSTALL "XCLUDER" SILL & JAMB SEALS. OBTAIN FROM XCLUDER NATIONAL VENDOR. EXTERIOR PAINT COLOR TO MATCH CMU PAINT COLOR
108B	HALL A	
109	--	NOT USED
110	UNISEX WASH.	--
111	UNIVER. WASH	--
113A	SALON CHECK-IN	DECORATIVE GATE SUPPLIED WITH FENCE AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR
113B	SALON COUNTER	MILLWORK GATE SUPPLIED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR
114	SALON	NO THRESHOLD, LOCATE CLOSER ON ROOM SIDE OF DOOR.
115A	DRYING AREA	NO THRESHOLD, LOCATE CLOSER ON ROOM SIDE OF DOOR.
115B	DRYING AREA	IMPACT DOOR (CHANNEL FRAME)
116	BATHING	WRAP PLASTIC PANELS AT HEAD & JAMB -SEE INTERIOR ELEVATIONS
117A	RECEIVING	IMPACT DOOR WITH BUMPER (CHANNEL FRAME)
117B	RECEIVING	INSTALL "XCLUDER" SILL, JAMB & ASTRAGAL SEALS. OBTAIN FROM XCLUDER NATIONAL VENDOR. EXTERIOR PAINT TO MATCH WALL.
117C	RECEIVING	VERTICAL LIFT, CHAIN PULL. TO BE LOCATED ON RIGHT SIDE, INSTALL "XCLUDER" SILL & JAMB SEALS. OBTAIN FROM XCLUDER NATIONAL VENDOR.
118	MEET & GREET	1" UNDERCUT DOOR, NO THRESHOLD, LOCATE CLOSER ON ROOM SIDE OF DOOR.
119	ADOPTIONS	1" UNDERCUT DOOR, LOCATE CLOSER ON ROOM SIDE OF DOOR.
120	FISH PREP.	IMPACT DOOR HINGE MOUNTED TO SIDEWALL (CHANNEL FRAME)
121	FISH	NOT USED
122	HOLDING #2	PROVIDE DOOR LOUVER WITH MESH INSECT SCREEN ON HOLDING ROOM SIDE OF DOOR
123	HOLDING #1	PROVIDE DOOR LOUVER WITH MESH INSECT SCREEN ON HOLDING ROOM SIDE OF DOOR
200	ROOF PARAPET	EXTERIOR PAINT COLOR TO MATCH CMU PAINT COLOR

HARDWARE SCHEDULE

HARDWARE GROUP 1

1 EACH	HAGER	MORTISE CYLINDER 3902 IC 1 3/8" AR CAM x BRUSHED ALUMINUM w/ THUMBTURN (4066 x 628)
1 EACH	SCHLAGE	CONSTRUCTION CORE 80-035 x GRN
1 EACH	SCHLAGE	CYLINDER CORE 80-036 x 626 B123 (IHK)
2 EACH	HAGER	DOOR SWEEP 750S N 36" x CLR
1 EACH	HAGER	WEATHERSTRIP 891S N 1 x 36" 2 x 84"
1 EACH	-	SIGN "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS" (BLACK) 20-0256

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 SFIC X US26D
1 EACH	SCHLAGE	CONSTRUCTION CORE 80-035 x GRN
1 EACH	SCHLAGE	CYLINDER CORE 80-036 X 626 B123 (IHK)
1 EACH	HAGER	CLOSER 5100 14 MLT X ALM
1 EACH	HAGER	PROTECTION PLATE 190S 12" x 36" x US32D
1 EACH	HAGER	WALL STOP 236W x US32D
1 EACH	RUDOLPH DESCO	DOOR SPY DS1000 X US32D @ 5'-0" A.F.F.
1 EACH	KESTLER	SIGN "EMPLOYEES ONLY" (BLACK)
1 EACH	DON JO	ANGLE LATCH PROTECTOR ILP-206 SL

HARDWARE GROUP 4

NOT USED

HARDWARE GROUP 5

1 EACH	ADAMS RITE	THUMB-TURN CYLINDER 4066 x 626
1 EACH	HAGER	MORTISE CYLINDER 3902 IC 1 3/8" AR CAM X US26D
1 EACH	HAGER	ADAPTER PLATE 5110 X US26D
1 EACH	HAGER	CLOSER 5100 14 MLT X US26D
1 EACH	SCHLAGE	CONSTRUCTION CORE 80-035 x GRN
1 EACH	SCHLAGE	CYLINDER CORE 80-036 X 626 B123 (IHK)
1 EACH	HAGER	WALL STOP 236W x US32D
1 EACH	--	LOCK CORE EXTENSION EXCUTCHEON RING

THUMB CYLINDER OCCURS AT THE SALON SIDE 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	WALL STOP 236W x US32D

LOCK CYLINDER SHALL ACCEPT BEST CORE.
REMAINDER OF HARDWARE BY DOOR MANUFACTURER.

HARDWARE GROUP 7

8 EACH	HAGER	BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D NRP
1 EACH	HAGER	AUTO FLUSHBOLT w/ 24" TOP ROD 292D X US32D w/ 1-2894/3900 X US32D (IN-ACTIVE LEAF)
1 EACH	HAGER	EXIT SET 3525 WTN 2 3/4 BACKSET X US26D
1 EACH	HAGER	COORDINATING DEVICE 297D 72" X BLACK
2 EACH	HAGER	MOUNTING BRACKET 297M X BLACK
2 EACH	HAGER	CLOSER 5100 26 5105 X ALM
2 EACH	ROCKWOOD	DOOR HOLDER 460 X ALM
1 EACH	RUDOLPH	DOOR SPY DS1000 X US32D @ 5'-0" AFF (ACTIVE LEAF) DESCO
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 X 76" X MIL
1 EACH	HAGER	WEATHERSTRIP 891S N 1 X 72", 2 X 96"
4 EACH	HAGER	DOOR SWEEP 750S N X 36" X MIL
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 36" x US32D
1 EACH	HAGER	WALL STOP 236W x US32D
1 EACH	KESTLER	SIGN "EMPLOYEES ONLY" (BLACK)
1 EACH	ROCKWOOD	DOOR HOLDER 460 X ALM
1 EACH	NAT'L GRD.	LOUVER L-700-RX 24 X 12 ASL
1 EACH	NAT'L GRD.	LITE KIT L-GLF100-134 (17 1/2" X 31 1/2") ASL

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 SFIC X US26D
1 EACH	SCHLAGE	CONSTRUCTION CORE 80-035 x GRN
1 EACH	SCHLAGE	CYLINDER CORE 80-036 X 626 B123 (IHK)
1 EACH	HAGER	CLOSER 5300 14 MLT X ALM
1 EACH	HAGER	PROTECTION PLATE 190S 12" x 36" x US32D
1 EACH	HAGER	WALL STOP 236W x US32D (SEE DOOR REMARKS)
1 EACH	ROCKWOOD	DOOR HOLDER 460 X ALM (SEE DOOR REMARKS)
1 EACH	KESTLER	SIGN "EMPLOYEES ONLY" (BLACK)
1 EACH	NAT'L GRD.	LITE KIT L-GLF100-134 (17 1/2" X 31 1/2") ASL

HARDWARE GROUP 10

3 EACH	HAGER	BUTTS ECBB1100 4 1/2 x 4 1/2 x BRUSHED ALUMINUM
1 EACH	HAGER	PRIVACY SET 3440 WTN 2 3/4 BACKSET X BRUSHED ALUMINUM
1 EACH	HAGER	CLOSER 5300 14 MLT X ALM
1 EACH	HAGER	PROTECTION PLATE 190S 12" x 36" x BRUSHED ALUMINUM
1 EACH	ROCKWOOD	SIGN: 1 BFM SERIES - #BFM686 (BLACK)
1 EACH	ROCKWOOD	DOOR HOLDER 460 X ALM
1 EACH	HAGER	WALL STOP 236W x BRUSHED ALUMINUM
1 EACH	NAT'L GRD.	LOUVER L-700-RX 24 X 12 ASL

HARDWARE GROUP 11

1 EACH	HAGER	DRIP CAP 810S 100" x MIL

REMAINDER OF HARDWARE BY DOOR MANUFACTURER

HARDWARE GROUP 12

3 EACH	HAGER	HINGES ECBB1100 4.5X4.5 US26D
1 EACH	HAGER	STOREROOM LOCK 3480 WTN US26D
1 EACH	HESS	ELECTRIC STRIKE 8300 X 801E US32D
1 EACH	SCHLAGE	CONST. CORE 80-035 GRN
1 EACH	SCHLAGE	PERM. CORE 80-036 B124 US26D
1 EACH	LCN	AUTO OPERATOR 4632 STD (PULL SIDE) AL
2 EACH	LCN	ACTUATORS 8310-852T 6" ROUND
2 EACH	LCN	SURFACE MOUNT 8310-865S
1 EACH	HAGER	KICK PLATE 190S 12X36 US32D
1 EACH	NAT'L GRD.	LOUVER L-700-RX 24 X 12 ASL
1 EACH	HEADLINE	SIGN ADA "ALL GENDER" 9486 (BLACK)
1 EACH	CAMDEN	RR CONTROL KIT CX-WC15
1 EACH	CAMDEN	EMERGENCY CALL KIT CX-WEC11 W/2EA DOME SOUNDER
1 EACH	CAMDEN	PUSH PLATE CM-45/3 4.5" SQUARE
1 EACH	CAMDEN	SURFACE MOUNT CM-43CBL
2 EACH	CAMDEN	POWER SUPPLY CX-PS13 6-26 VAC
2 EACH	CAMDEN	TRANSFORMER CX-TRX-4024

HARDWARE GROUP 13

3 EACH	HAGER	BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D NRP
1 EACH	HAGER	EXIT SET 3525 WTN 2 3/4 BACKSET X US26D
1 EACH	HAGER	CLOSER 5100 26 5105 X ALM
1 EACH	HAGER	DUST PROOF STRIKE 280X X US26D
1 EACH	HAGER	DRIP CAP 810S X 76" X MIL
1 EACH	HAGER	WEATHERSTRIP 891S N 1 X 72", 2 X 96"
1 EACH	HAGER	DOOR SWEEP 750S N X 36" X MIL
1 EACH	HAGER	THRESHOLD 412S 38" X MIL

HARDWARE GROUP 14

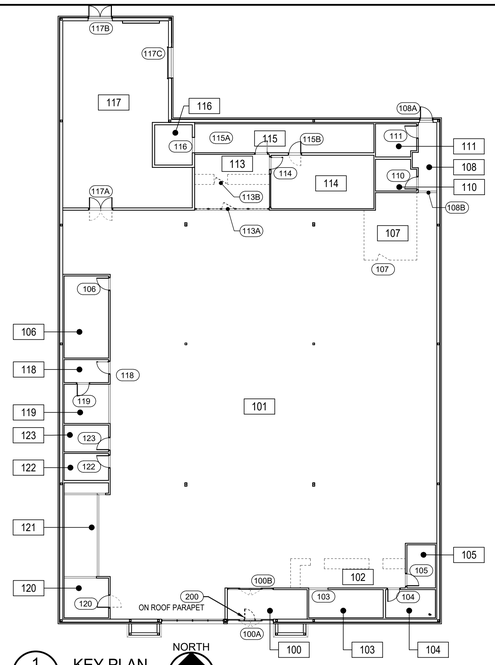
3 EACH	HAGER	BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D
1 EACH	HAGER	LOCKSET 3480 WTN 2 3/4" BACKSET SFIC X US26D
1 EACH	SCHLAGE	CONSTRUCTION CORE 80-035 x GRN
1 EACH	SCHLAGE	CYLINDER CORE 80-036 X 626 B123 (IHK)
1 EACH	HAGER	CLOSER 5300 14 MLT X ALM
1 EACH	HAGER	PROTECTION PLATE 190S 12" x 36" x US32D
1 EACH	HAGER	WALL STOP 236W x US32D
1 EACH	HAGER	DOOR SWEEP BRUSH W/S 801S B X 38" X MIL (MOUNTED ON HOLDING ROOM SIDE OF DOOR)
1 EACH	KESTLER	SIGN "EMPLOYEES ONLY" (BLACK)
1 EACH	ROCKWOOD	DOOR HOLDER 460 X ALM
1 EACH	NAT'L GRD.	LOUVER L-700-RX 24 X 12 ASL WITH INSECT SCREEN

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 626 B123 (IHK)
1 EACH	HAGER	CLOSER 5300 14 MLT X ALM
1 EACH	HAGER	PROTECTION PLATE 190S 12" x 36" x US32D
1 EACH	HAGER	WALL STOP 236W x US32D
1 EACH	KESTLER	SIGN "EMPLOYEES ONLY" (BLACK)
1 EACH	ROCKWOOD	DOOR HOLDER 460 X ALM
1 EACH	NAT'L GRD.	LOUVER L-700-RX 24 X 12 ASL

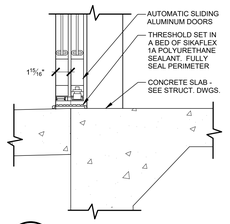
HARDWARE GROUP 16

2 EACH	HAGER	BUTTS ECBB1100 4 1/2 x 4 1/2 x US26D NRP
1 EACH	HAGER	D-PULL 052307 8N
1 EACH	HAGER	DEADBOLT WITH THUMB TURN 008333
1 EACH	SCHLAGE	CYLINDER CORE 80-036 X 626 B123 (IHK)
1 EACH	SCHLAGE	CONSTRUCTION CORE 80-035 x GRN
1 EACH	HAGER	DRIP CAP 810S X 36" X MIL
1 EACH	HAGER	WEATHERSTRIP 891S N 4 x 38"

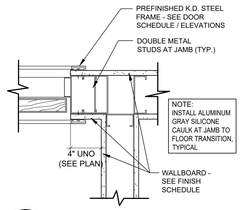


1 A6.0 KEY PLAN — SCALE: 1/16" = 1'-0"

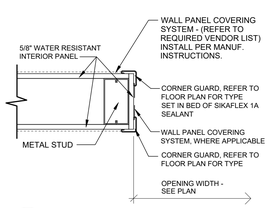
NORTH



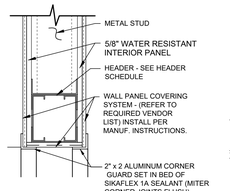
11 A6.0 DETAIL - DOOR SILL — SCALE: 1-1/2" = 1'-0"



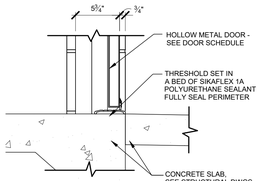
10 A6.0 TYP. JAMB DETAIL U.N.O — SCALE: 1-1/2" = 1'-0"



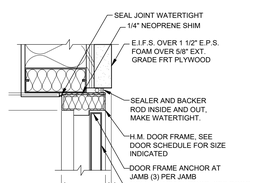
9B A6.0 DETAIL - DOOR JAMB — SCALE: 1-1/2" = 1'-0"



9A A6.0 DETAIL - DOOR HEAD — SCALE: 1-1/2" = 1'-0"



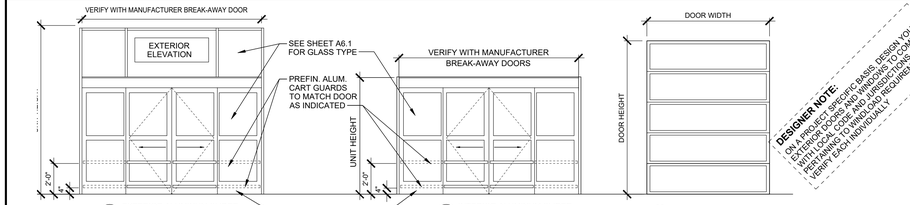
8 A6.0 DETAIL - DOOR SILL — SCALE: 1-1/2" = 1'-0"



7B A6.0 DETAIL - DOOR JAMB — SCALE: 1-1/2" = 1'-0"

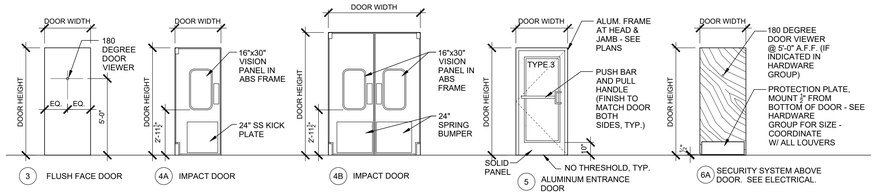
DOOR NOTES:

1. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH TO HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND STROKE WIDTH TO HEIGHT RATIO BETWEEN 1:5 AND 1:10
2. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X. LOWER CASE CHARACTERS ARE PERMITTED
3. (EXIT DOORS) SHALL NOT BE SUBJECT TO THE USE OF A KEY OR REQUIRE SPECIAL KNOWLEDGE TO OPERATE. REFER TO NFPA 101 LIFE SAFETY CODE, CHAPTER 7, SEC. 7.2.1.5.1, 2000 EDITION.
4. LETTERS AND NUMERALS SHALL BE RAISED 1/32 IN. UPPER CASE, SANS SERIF OR SIMPLE TYPE AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8 IN (16 MM) HIGH, BUT NO HIGHER THAN 2 IN (50 MM). PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTIONS PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6 IN (152 MM) MINIMUM IN HEIGHT.
5. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL; MATTE OR OTHER NON GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, LIGHT COLORS ON A DARK BACKGROUND.
6. WHERE PERMANENT A.D.A. COMPLIANT SIGNAGE/IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR @ 54" A.F.F. TO CENTER OF SIGNAGE OR LATEST A.D.A. STANDARD, INCLUDING AT DOUBLE LEAF DOORS. SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT AND SIGN REQUIREMENTS SHALL BE AS PER A.D.A. REQUIREMENTS. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3 IN (76 MM) OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. ALL OTHER SIGNAGE AS REQUIRED BY OWNER SHALL BE MOUNTED ON DOOR AT PETSMART REQUIRED MOUNTING HEIGHTS.
7. THE GENERAL CONTRACTOR IS TO PROVIDE CONSTRUCTION CORES FOR ALL DOORS. PETSMART WILL PROVIDE AND INSTALL ALL PERMANENT (SCHLAGE) CORES FOR DOORS.
8. G.C. IS TO PROVIDE ALL GLASS, SIZES AS SHOWN FOR VISION PANELS INDICATE CLEAR DIMENSION OF GLAZING AND NOT ROUGH OPENING.
9. ALL DOOR LOUVERS TO BE FACTORY FINISHED TO MATCH DOOR FRAMES (ALUMATONE). SEE SCHEDULE ABOVE.
10. WHERE INDICATED KICK PLATES AT DOORS SHALL BE INSTALLED 1/2" FROM BOTTOM OF PLATE TO BOTTOM OF DOOR. SEE DOOR SCHEDULE & HARDWARE GROUPS FOR LOCATIONS AND SIZES.
11. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE.
12. PROVIDE LEVER TYPE HARDWARE, PANIC BARS, PUSH - PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. (30" TO 44" A.F.F.).
13. ALL DOOR CLOSERS SHALL BE MOUNTED SO AS TO BE CONCEALED FROM SALES AREA. FINISH TO MATCH ADJACENT HARDWARE.
14. ALL EXTERIOR H.M. DOOR FRAMES SHALL BE PAINTED INSIDE AND OUT TO MATCH COLOR OF ADJACENT SURFACE.
15. ALL EXTERIOR HOLLOW METAL DOORS SHALL BE INSULATED & HAVE A RAIN DRIP EDGE PROVIDED.
16. DOOR FRAMES TO BE SET FLUSH TO FLOOR SLAB. PROVIDE FOR 1/4" MAX. CAULK JOINT.
17. GC TO PROVIDE AND INSTALL A MINIMUM OF 3 CLEAR DOOR SILENCERS PER DOOR LEAF AT ALL PREFINISHED DOOR FRAMES.

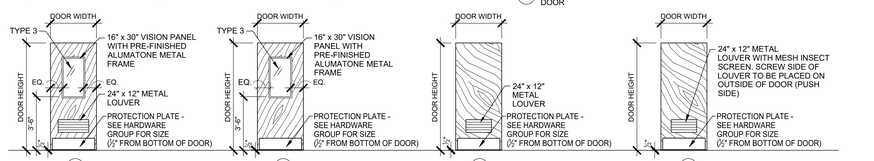


1A EXTERIOR ALUMINUM SLIDER (VIEW FROM EXTERIOR) — 1B INTERIOR ALUMINUM SLIDER (VIEW FROM VESTIBULE) — 2 OVERHEAD DOOR

DESIGNER NOTE: AS A PRODUCT SPECIFIC BASIS, DESIGN YOUR DOOR OPENINGS AND HARDWARE TO COMPLY WITH LOCAL CODE AND AHJ REQUIREMENTS. - THE INTERIOR BUILDING CODE REQUIRED CHANGE IN FLOOR HEIGHTS TO MAINTAIN TO WHEELCHAIR CLEARANCES. - VERIFY EACH INDIVIDUALLY TO SUIT PROVINCIAL CODES.



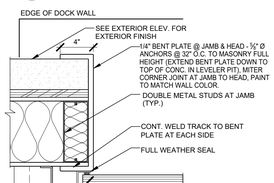
3 FLUSH FACE DOOR — 4A IMPACT DOOR — 4B IMPACT DOOR — 5 ALUMINUM ENTRANCE DOOR — 6A SECURITY SYSTEM ABOVE DOOR. SEE ELECTRICAL.



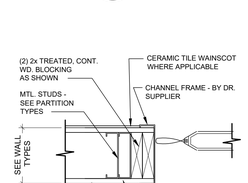
6B — 6C — 6D — 6E

DOOR TYPES (SEE SCHEDULE ON SHEET A6.1 FOR GLASS TYPES.)

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



7A A6.0 DETAIL - DOOR HEAD — SCALE: 1-1/2" = 1'-0"



6 A6.0 DETAIL - DO

WINDOW SCHEDULE:

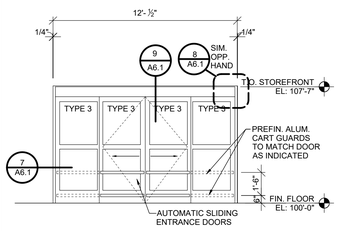
MARK	WINDOW SIZE		ROUGH OPENING		WINDOW TYPE	DETAIL			FINISH	REMARKS
	WIDTH	HEIGHT	WIDTH	HEIGHT		HEAD	JAMB	SILL		
G1	8' - 9"	3' - 1½"	8' - 9 1/2"	3' - 2"	ALUM./GLASS	10/A6.1	10/A6.1 SIM.	10/A6.1	CLEAR ANODIZED	- INT. ALUMINUM WINDOW FRAMES BY NATIONAL ACCOUNT VENDOR.

GLASS TYPES:

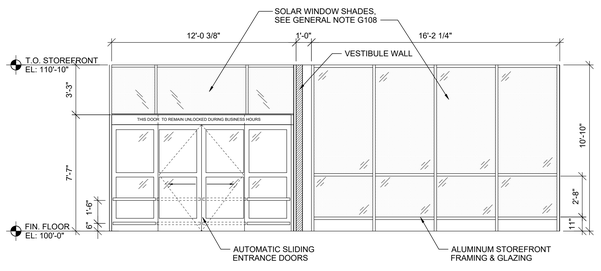
TYPE	DESCRIPTION
1	1" LOW-E, PPG - SOLARGRAY + SOLARBAN (60) C (CLEAR) OR APPROVED EQUAL
2	1" LOW-E, PPG - SOLARGRAY + SOLARBAN (60) C (CLEAR) OR APPROVED EQUAL ABOVE HORIZONTAL MULLION @ TOP OF DOOR
3	1/4" CLEAR TEMPERED GLASS UP TO 60 INCHES ABOVE FINISHED FLOOR

STOREFRONT GENERAL NOTES:

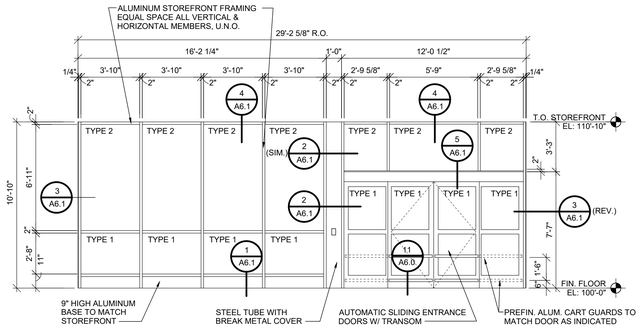
1. ALL STORE FRONT DIMENSIONS SHOWN IN ELEVATION ARE ACTUAL WINDOW FRAME SIZES. BOTH THE ROUGH OPENING & WINDOW FRAME SIZES ARE SHOWN IN WINDOW SCHEDULE.
2. REFER TO STOREFRONT SPECIFICATIONS
3. ALL EXTERIOR EXPOSED ALUMINUM SURFACES TO BE CLEAR ANODIZED FINISH
4. ALL INTERIOR EXPOSED ALUMINUM SURFACES TO BE CLEAR ANODIZED FINISH
5. THE EXTERIOR STOREFRONT SYSTEM DESIGN IS BASED ON VISTAWALL FG-3000 SYSTEM (2 x 4 1/2" FRAME).
6. FIELD VERIFY ACTUAL OPENING PRIOR TO FABRICATION.
7. ALL GLAZING WITHIN 24" OF A DOOR AND / OR LESS THAN 60" ABOVE THE WALKING SURFACE SHALL BE SAFETY GLAZING.



14 A6.1 INTERIOR GLAZING ELEVATION
SCALE: 1/4" = 1'-0"
(VIEW FROM VESTIBULE)

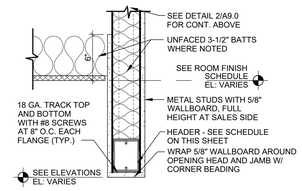


13 A6.1 INTERIOR WINDOW SHADE ELEVATION
SCALE: 1/4" = 1'-0"
(VIEW FROM VESTIBULE)

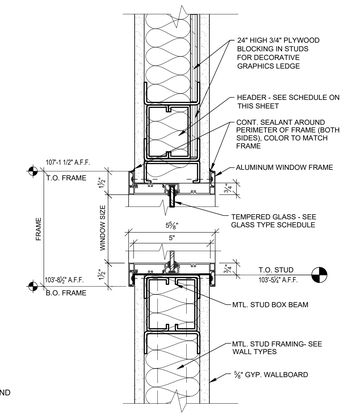


12 A6.1 EXTERIOR GLAZING ELEVATION
SCALE: 1/4" = 1'-0"
(VIEW FROM EXTERIOR)

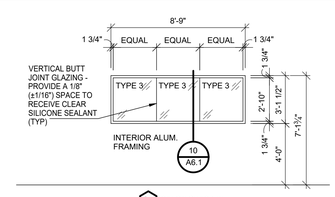
HEADER SCHEDULE		
	'W' OPENING	HEADER
A	W < 6'-0"	NO HEADER
B	6'-0" < W < 10'-0"	(2)362S162-54
C	10'-0" < W < 14'-0"	(2)600S162-43
D	14'-0" < W < 18'-0"	(2)800S162-43 (1)
E	18'-0" < W < 23'-11"	(2)800S162-54
F	24'-0" < W < 30'-0"	(2)1200S162-54 (*)
(1) ALTERNATIVE TO 800S-43, USE 600S-54 (*) 50 KSI STEEL FOR FURTHER CLARIFICATION SEE STUD SCHEDULE ON SHEET A9.0		
JAMB SCHEDULE		
	'W' OPENING	JAMB
A	W < 6'-0"	NO BOX JAMB
B	W>6'-0"	BOX JAMB



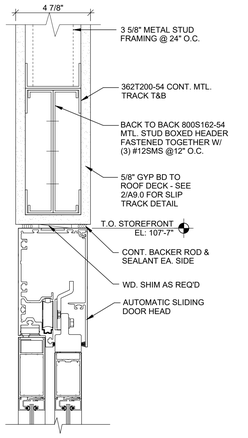
11 A6.1 HEADER AT CEILING
SCALE: 1-1/2" = 1'-0"



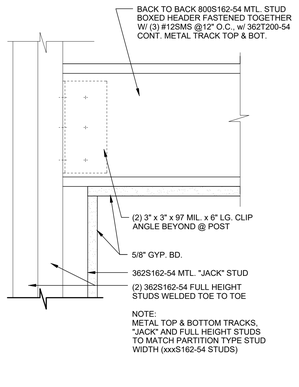
10 A6.1 WINDOW FRAME DETAIL
SCALE: 3" = 1'-0"



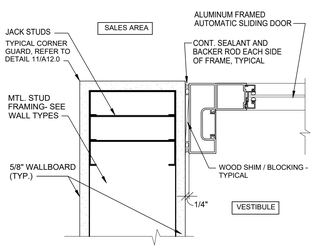
15 A6.1 INTERIOR GLAZING
SCALE: 1/4" = 1'-0"



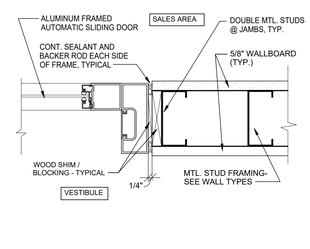
9 A6.1 INTERIOR HEAD DETAIL
SCALE: 3" = 1'-0"



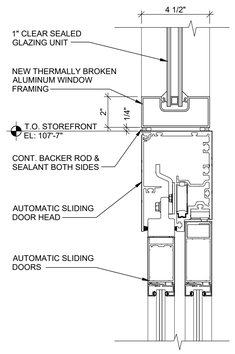
8 A6.1 BOX HEADER END SUPPORT
SCALE: 3" = 1'-0"



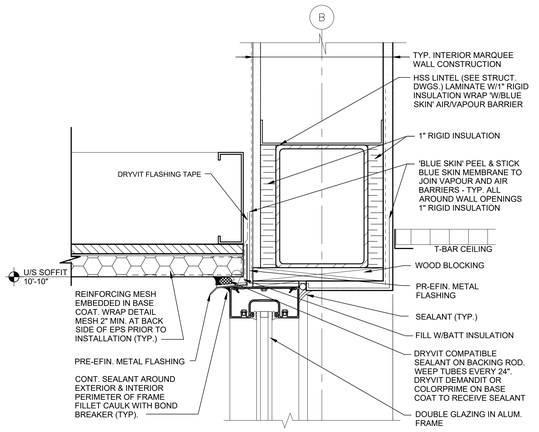
7 A6.1 INTERIOR JAMB DETAIL
SCALE: 3" = 1'-0"



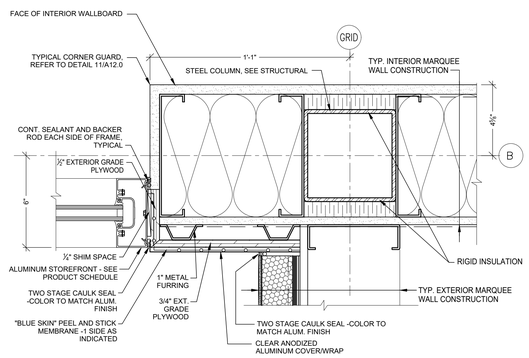
6 A6.1 INTERIOR JAMB DETAIL
SCALE: 3" = 1'-0"



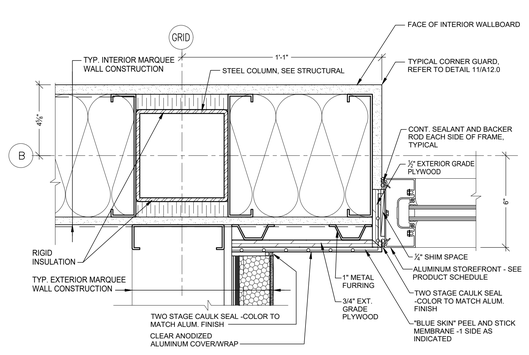
5 A6.1 DOOR HEAD DETAIL
SCALE: 3" = 1'-0"



4 A6.1 STOREFRONT HEAD DETAIL
SCALE: 3" = 1'-0"



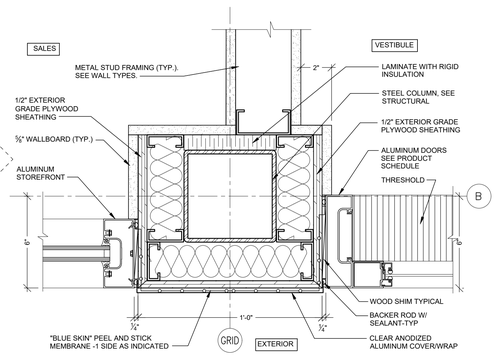
3A A6.1 STOREFRONT JAMB DETAIL
SCALE: 3" = 1'-0"



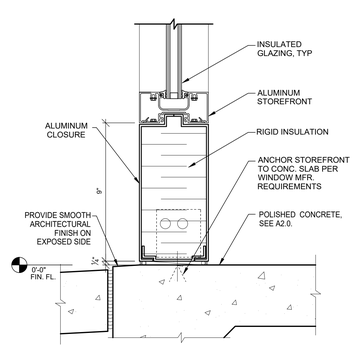
3 A6.1 STOREFRONT JAMB DETAIL
SCALE: 3" = 1'-0"

DESIGNER NOTE:
DESIGNER TO VERIFY STOREFRONT SYSTEM DESIGN LOAD CAPABILITIES ON A PROJECT SPECIFIC BASIS

DESIGNER NOTE:
DESIGNER TO CONFIRM PROJECT SPECIFIC CONDITIONS WITH STOREFRONT MANUFACTURER.



2 A6.1 STOREFRONT COLUMN DETAIL
SCALE: 3" = 1'-0"



1 A6.1 STOREFRONT SILL DETAIL
SCALE: 3" = 1'-0"

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: C40045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
1"
PAGE #: 15 OF: 53

DISCIPLINE: ARCHITECTURAL

TITLE:
STOREFRONT DETAILS

SHEET NUMBER:
A6.1

ROOM FINISH SCHEDULE

ROOMS		FLOOR BASE MATERIALS					WALL #1 MATERIALS					WALL #2 MATERIALS					WALL #3 MATERIALS					WALL #4 MATERIALS					ROOMS	
RM #	NAME	RUBBER	COMPOSITE	CONCRETE	CERAMIC TILE	OTHER	PAINT	GLAZING	WALL COVERING	CERAMIC TILE	WALLBOARD	PAINT	GLAZING	WALL COVERING	CERAMIC TILE	WALLBOARD	PAINT	GLAZING	WALL COVERING	CERAMIC TILE	WALLBOARD	PAINT	GLAZING	WALL COVERING	CERAMIC TILE	WALLBOARD	RM #	NAME
100	VESTIBULE	FB-1					●	WC-5			WB-1	●				WB-1	●	WC-5			WB-1	●				WB-1	100	VESTIBULE
101	SALES AREA	FB-1					●	WC-5			WB-1	●				WB-1	●				WB-1	●				WB-1	101	SALES AREA
102	FRONT POS	FB-1**					●				WB-1	●				WB-1											102	FRONT POS
103	BOPIS CLOSET	FB-1					●				WB-1	●				WB-1	●				WB-1	●				WB-1	103	BOPIS CLOSET
104	MANAGER / VAULT	FB-1					●				WB-1	●				WB-1	●				WB-1	●				WB-1	104	MANAGER / VAULT
105	COMPUTER / COPY	FB-1					●				WB-1	●				WB-1	●				WB-1	●				WB-1	105	COMPUTER / COPY
106	ASSOCIATE RESOURCES	FB-1					●				WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	●				WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	●				WB-1	●				WB-1	106	ASSOCIATE RESOURCES
107	PET TRAINING				CT-1	FB-4											●			CT-1	WB-1				CT-1	WB-1	107	PET TRAINING
108	HALL A	FB-1					●				WB-1	●				WB-1	●				WB-1	●		WC-3		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	108	HALL A
109	NOT USED																											
110	UNISEX WASHROOM	FB-1					●		WC-3		WB-2 (FIN. FLR. TO 6'-0") WB-1 (6'-0" AND ABOVE)	●		WC-3		WB-2 (FIN. FLR. TO 6'-0") WB-1 (6'-0" AND ABOVE)	●		WC-3		WB-2 (FIN. FLR. TO 6'-0") WB-1 (6'-0" AND ABOVE)	●		WC-3		WB-2 (FIN. FLR. TO 6'-0") WB-1 (6'-0" AND ABOVE)	110	UNISEX RESTROOM
111	UNIVERSAL WASHROOM	FB-1					●		WC-3		WB-2 (FIN. FLR. TO 6'-0") WB-1 (6'-0" AND ABOVE)	●		WC-3		WB-2 (FIN. FLR. TO 6'-0") WB-1 (6'-0" AND ABOVE)	●		WC-3		WB-2 (FIN. FLR. TO 6'-0") WB-1 (6'-0" AND ABOVE)	●		WC-3		WB-2 (FIN. FLR. TO 6'-0") WB-1 (6'-0" AND ABOVE)	110	UNIVERSAL RESTROOM
113	SALON CHECK-IN	FB-1**			CT-1	FB-4	●				WB-1	●	WC-5		CT-1	WB-1	●			CT-1	WB-1	●			CT-1	WB-1	113	SALON CHECK-IN
114	SALON	FB-1					●		WC-3		WB-1	●		WC-3		WB-1	●		WC-3		WB-1	●	WC-5	WC-3		WB-1	114	SALON
115	DRYING AREA	FB-1							WC-1		WB-3 (FIN. FLR. TO 10'-0") WB-2 (10'-0" AND ABOVE)			WC-1		WB-3 (FIN. FLR. TO 10'-0") WB-2 (10'-0" AND ABOVE)			WC-1		WB-3 (FIN. FLR. TO 10'-0") WB-2 (10'-0" AND ABOVE)			WC-1		WB-3 (FIN. FLR. TO 10'-0") WB-2 (10'-0" AND ABOVE)	115	DRYING AREA
116	BATHING AREA			FB-3						CT-3	WB-3 (FIN. FLR. TO 10'-0") WB-2 (10'-0" AND ABOVE)				CT-3	WB-3 (FIN. FLR. TO 10'-0") WB-2 (10'-0" AND ABOVE)				CT-3	WB-3 (FIN. FLR. TO 10'-0") WB-2 (10'-0" AND ABOVE)				CT-3	WB-3 (FIN. FLR. TO 10'-0") WB-2 (10'-0" AND ABOVE)	116	BATHING AREA
117	RECEIVING		FB-2**			FB-5*			WC-4** WC-1***		WB-1 (ABOVE PLYWOOD) *** WB-3 (SEE ELEV. A8.3)			WC-4** WC-1***		WB-1 (ABOVE PLYWOOD) *** WB-3 (SEE ELEV. A8.3)			WC-1		WB-1 (ABOVE PLYWOOD) *** WB-3 (SEE ELEV. A8.3)					WB-1 (ABOVE PLYWOOD)	117	RECEIVING
118	ADOPTIONS MEET & GREET	FB-1					●				WB-1	●				WB-1	●				WB-1	●				WB-1	118	ADOPTIONS MEET & GREET
119	ADOPTIONS	FB-1**							WC-3		WB-1			WC-3		WB-1			WC-3		WB-1			WC-3		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	119	ADOPTIONS
120	FISH PREP	FB-1					●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	120	FISH PREP
121	FISH EQUIPMENT	FB-1					●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	121	FISH EQUIPMENT
122	HOLDING #2	FB-1					●				WB-1	●				WB-1	●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	122	HOLDING #2
123	HOLDING #1	FB-1					●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	●				WB-1	●				WB-1	●		WC-1		WB-2 (FIN. FLR. TO 4'-0") WB-1 (4'-0" AND ABOVE)	123	HOLDING #1

REMARKS

NOTE:
SEE REQUIRED VENDOR LIST, WALL TYPE GENERAL NOTES ON SHEET A9.0, INTERIOR ELEVATIONS ON SHEETS A8.0, A8.1, A8.2, A8.3, A8.4, AND BASE DETAILS ON SHEET A11.0 FOR EXTENT AND ADDITIONAL INFORMATION. SEE KEY PLAN (1/A7.0) FOR WALL NUMBERS AND PAINT COLORS.

PAINT SALES AREA COLUMNS AND COLUMN CONDUIT DROPS P-2 FULL HEIGHT. PAINT ALL RIGID POWER DROPS P-2 FULL HEIGHT. FB-1 ONLY ON WALLBOARD SURFACES.

** FB-1 ON WALLBOARD SURFACES AND AT BASE OF MILLWORK.

*** AT AREAS WITHIN 24" OF WATER SOURCE.

*** AT ALL THREE (3) ALCOVE WALLS AT WATER COOLER - SEE INTERIOR ELEVATIONS.

** AT BASE OF MILLWORK

WALL #2 WILL HAVE GRAPHICS SUPPLIED AND INSTALLED BY OTHERS ABOVE THE WC-3. .

** FB-2 AT ALL FRP. * FB-5 AT ALL PLYWOOD.
** WC-4 PLYWOOD FROM (FIN. FLR. TO 16'-0").
*** WC-1 AND WB-3 AT JANITOR'S SINK AND HOT WATER HEATERS.

*** AT ALL AREAS WITHIN 24" OF WATER SOURCE..
** FB-1 BASE AT FRP WALL PANELS AND AT BASE OF MILLWORK.

FINISHES:

FLOOR BASES:

FB-1 **4" RUBBER COVE BASE**

JOHNSONITE CB20 CHARCOAL.

FB-2 **4" COMPOSITE BASE**

TANGENT RESIN BOARD SMOOTH FINISH (GREY)

FB-3 **CONCRETE CURB - SMOOTH FINISH**

APPLY (2) COATS OF AQUAPEL PLUS AS MANUFACTURED BY L&M CONSTRUCTION CHEMICAL.

FB-4 **CERAMIC TILE TRANSITION**

PROVIDE CONTINUOUS SIKAFLEX 1A SEALANT AT JOINT OF CERAMIC WALL TILE AND FLOOR.

FB-5 **PLYWOOD TRANSITION**

PROVIDE CONTINUOUS SIKAFLEX 1A SEALANT AT JOINT OF PLYWOOD WALL FINISH AND FLOOR.

FLOOR BASE GENERAL NOTES:

1. GENERAL CONTRACTOR TO PROVIDE AND INSTALL RUBBER BASE AFTER MILLWORK IS INSTALLED. ALL MILLWORK AND THE TRAINING PODIUM ARE TO RECEIVE RUBBER BASE.
2. **NO EXCEPTIONS**. RUBBER BASE TO BE FROM ROLL STOCK IN MINIMUM 20'-0" LENGTHS AND FROM SAME DYE LOT. PRFE-FORMED CORNERS ARE NOT PERMITTED.
3. GENERAL CONTRACTOR TO PROVIDE AND INSTALL RUBBER BASE AT ALL WALLBOARD WALLS THROUGHOUT THE STORE UNLESS NOTED OTHERWISE.
4. COMPOSITE BASE SHALL BE INSTALLED WITH SMOOTH SIDE OUT.

DESIGNER NOTE: ON A PROJECT SPECIFIC BASIS REVISE NOTE TO CONFIRM GENERAL CONTRACTOR TO PREPARE AND PAINT DECK BASED ON NEW/EXISTING DECK INSTALLED.

WALL COVERINGS:

WC-1 **PANOLAM GRAY FRP**

SMOOTH TEXTURE - .090" - GRAY - CLASS C (NON-CUSTOMER AREAS). GC TO PROVIDE AND INSTALL RUBBER COVE BASE ON THE FRP.

MEMBRANE: MAPEI HPG OR REDGUARD WATER-PROOF MEMBRANE (INSTALLED BY GC), SEE MATERIAL & PRODUCT SCHEDULE AND REQUIRED VENDOR LIST. INSTALL FINISH PLASTIC TRIMS AT ALL EXPOSED EDGES.

WC-2 **NOT USED**

WC-3 **KAL-LITE WHITE HEXPIN FRP**

WHITE HEXPIN TEXTURE - .090" - (CUSTOMER AREAS). GC TO PROVIDE AND INSTALL RUBBER COVE BASE ON THE FRP. PROVIDE CLEAR SILICONE SEALANT WHERE DRINKING FOUNTAIN ATTACHES TO THE WALL.

MEMBRANE: MAPEI HPG OR REDGUARD WATER-PROOF MEMBRANE (INSTALLED BY GC). INSTALL FINISH PLASTIC TRIMS AT ALL EXPOSED EDGES.

WC-4 **3/4" FIRE RATED PLYWOOD**

ALL PLYWOOD MUST BE INSTALLED HORIZONTALLY.

WC-5 **ALUMINUM / GLASS WINDOW**

SEE DETAILS AND ELEVATIONS FOR SIZES, LOCATIONS, AND TYPES.

WALL COVERING GENERAL NOTES:

1. NATIONAL ACCOUNT MILLWORK VENDOR (REQUIRED VENDOR) HIRED BY GC MUST FURNISH AND INSTALL THE FRP SYSTEM. IT IS GC RESPONSIBILITY TO INCLUDE THEIR PRICE IN HIS BID.
2. **THERE WILL BE NO EXCEPTIONS**. THE AREAS THAT RECEIVE THE FRP WALL PANELS MUST BE PROPERLY PREPPED. IF THE AREAS ARE NOT CLEAN, PROPERLY PREPARED, AND PROPERLY LIGHTED; ANY DELAYS IN INSTALLATION WILL REQUIRE THE GC TO PAY THE NATIONAL ACCOUNT MILLWORK VENDOR FOR EACH ADDITIONAL DAY THAT THE INSTALL TAKES TO COMPLETE AS WELL AS THE COST TO PREPARE THE AREAS CORRECTLY. THE COST FOR DELAYS WILL BE PAID DIRECTLY TO THE NATIONAL ACCOUNT MILLWORK VENDOR.
3. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING MATERIAL TAKE-OFFS FOR ORDERING OF THE FRP WALL PANELS, TRIM, AND BASE. NATIONAL ACCOUNT MILLWORK VENDOR WILL PROVIDE MATERIALS AND INSTALALTION.
4. TYPICAL LEAD TIME FOR FRP WALL PANEL MATERIALS IS TO BE COORDINATED BETWEEN THE GC AND THE NATIONAL ACCOUNT MILLWORK VENDOR.

CERAMIC TILE:

CT-1 **DALTILE EDGEWOOD**

EDGEWOOD EW01 STONE, 6" X 24", (1/3 OFFSET STAGGERED PLANK PATTERN).

GROUT: MAPEI KERAPOXY "SILVER" (27) - 3/16" GROUT JOINT.

MORTAR: SPEEDSET TM FORTIFIED THINSET MORTAR, VERSABOND FORTIFIED THINSET MORTAR.

GROUT FINISH ALL TOP AND EXPOSED EDGES. SIKAFLEX 1A SEALANT AT BASE TO FLOOR. SEE MATERIAL & PRODUCT SCHEDULE AND REQUIRED VENDOR LIST.

CT-2 **NOT USED**

CT-3 **DALTILE SIERRA**

SIERRA 12" X 12" - COLOR: RAINIER 1500 (STACKED PATTERN).

MEMBRANE: MAPEI HPG OR REDGUARD WATER-PROOF MEMBRANE (INSTALLED BY GC).

GROUT: CUSTOM BUILDING PRODUCTS FUSION PRO SINGLE COMPONENT GROUT #09 NATURAL. GRAY. 3/16" GROUT JOINT.

MORTAR: SPEEDSET TM FORTIFIED THINSET MORTAR, VERSABOND FORTIFIED THINSET MORTAR.

RUBBER SEAL: HENRY BLUESKIN 6" OR 9" WEATHER BARRIER OR GRACE VYCOR PLUS ALONG THE PERIMETER OF DENSARMOR AND CONCRETE CURB. ALUMINUM J-CHANNEL AT BASE OVER RUBBER SEAL, TO BE FASTENED INTO BASE PLATE OF FRAMING WITH ZINC SCREWS EVERY 12" O.C.

GROUT FINISH ALL TOP AND EXPOSED VERTICAL EDGES. 1/4" MAX ALL JOINTS. USE SIKAFLEX 1A SEALANT AT BASE OF DENSARMOR TO CONCRETE CURB. SEE MATERIAL & PRODUCT SCHEDULE AND REQUIRED VENDOR LIST.

TILE TRANSITION GENERAL NOTES:

1. TYPICAL TOP EDGE OF CERAMIC TILE TRANSITION TO WALL (HORIZOINTAL): GROUT EDGE TO WALL.
2. TYPICAL BOTTOM OF CERAMIC TILE TRANSITION TO FLOOR: GROUT EDGE TO FLOOR.
3. TYPICAL OUTSIDE CORNER TRANSITION: SEAL CORNERGUARD TO TILE PER DETAIL 10/A12.0 AND 11/A12.0.
4. TYPICAL END OF RUN TRANSITION TO WALL (VERTICAL): GROUT EDGE TO WALL.

WALL BOARD:

WB-1 **5/8" GYPSUM WALLBOARD**

WB-2 **5/8" MOISTURE RESISTANT WALLBOARD**

WB-3 **5/8" DENS ARMOR PLUS**

NO SUBSTITUTIONS PERMITTED. WATER RESISTANT DENS ARMOR PLUS WALLBOARD BY GEORGIA PACIFIC ONLY.

WALLBOARD GENERAL NOTES:

1. **ALL WALLBOARD MUST BE INSTALLED HORIZONTALLY.**
2. **ALL WALLS WITHIN 2'-0" OF A WATER SOURCE MUST RECEIVE WB-2 MOISTURE RESISTANT WALLBOARD TO 4'-0" AFF UNLESS THE WALL IS SCHEDULED TO RECEIVE WB-3 WATER RESISTANT WALLBOARD.**

DESIGNER NOTE: TYPES INDICATED GENERALLY THROUGHOUT. VERIFY WITH SPECIFIC BASIS WHEN INTERIOR LAYOUT IS FINALIZED. COORDINATE WITH GC AND MILLWORK VENDOR TO USE GREEN BOARD ONLY WHERE NEEDED. HEIGHT OF FIBER CEMENT PANELS AND WET AREAS (FRP PANELS) TO BE DETERMINED BY GC AND MILLWORK VENDOR. PROVIDE BLOCKING BEHIND CERAMIC TILE AND FRP PANELS IN BATHING DRYING AND HOP SINK IN RECEIVING.

PAINT (INTERIOR):

	PPG PAINT COLOR	FINISH COAT(S) AND PPG MATERIAL
P-1	**DOVER GRAY** #PPG1001-5	1 COAT PPG DULUX SPRAYMASTER 10116 DRY-FALL MATTE FINISH
P-2	**COMMERCIAL WHITE** #PPG1025-1	2 COATS PPG DULUX LIFEMASTER 0 VOC 59311A ACRYLIC EGGSHELL
P-3	**DOVER GRAY** #PPG1001-5	2 COATS PPG DULUX LIFEMASTER 0 VOC 59311A ACRYLIC EGGSHELL
P-4	**DARTMOOR MIST** #PPG1154-3	2 COATS PPG DULUX LIFEMASTER 0 VOC 59311A ACRYLIC EGGSHELL
P-5	**DOVER GRAY** #PPG1001-5	2 COATS PPG DULUX LIFEMASTER 0 VOC 59311A ACRYLIC SEMI-GLOSS
P-6	**COMMERCIAL WHITE** #PPG1025-1	2 COATS PPG DULUX LIFEMASTER 0 VOC 59311A ACRYLIC SEMI-GLOSS
P-7	**SAFETY YELLOW** #PPG7306	2 COATS PPG SPEEDHIDE 0 VOC 6-5510 SEMI-GLOSS ENAMEL FINISH
P-8	**MATCH EXTERIOR BUILDING COLOUR**	

PRIMERS (INTERIOR):

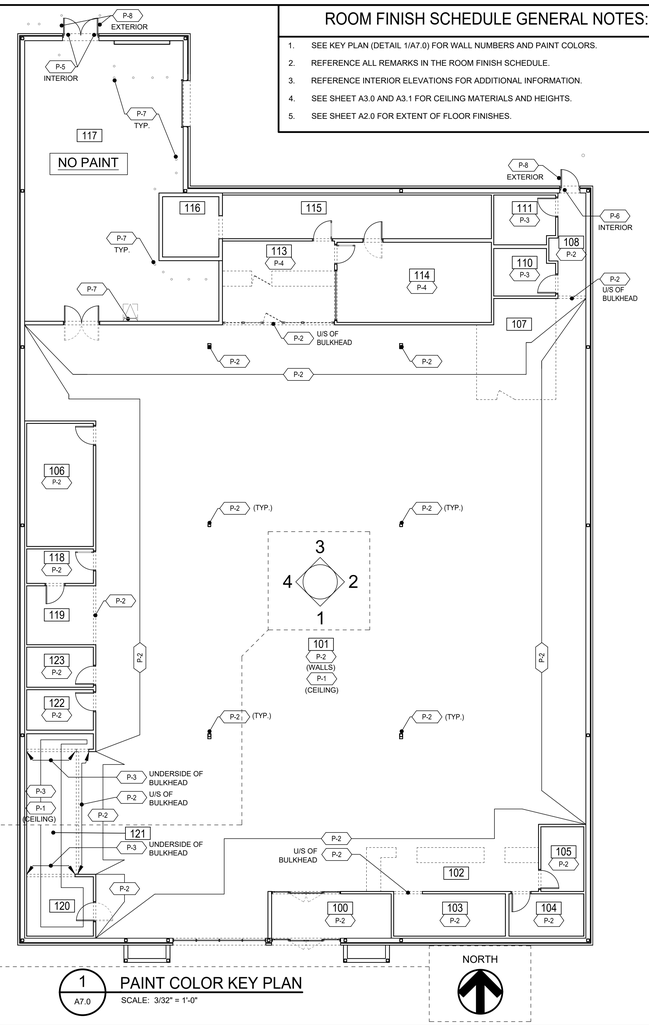
MATERIALS	PRIMERS
EXTERIOR/INTERIOR GALVANIZED METAL	1 COAT PITT-TECH DIRECT-TO-METAL PRIMER #90-712
INTERIOR GYPSUM BOARD	1 COAT PPG SPEEDHIDE PRIMER SEALER #6-2
WOOD	1 COAT PPG SEAL GRIP PRIMER SEALER #17-921XI
INTERIOR FERROUS METAL (UNDERSIDE OF ROOF DECK, DUCTWORK, PIPING, STRUCTURE, ETC.)	1 COAT PITT-TECH DIRECT-TO-METAL PRIMER #90-712
CMU (INTERIOR FACE OF EXTERIOR CMU)	2 COATS PPG SPEEDHIDE ACRYLIC BLOCK FILLER #6-15XI

PAINT (INTERIOR) GENERAL NOTES:

1. ALL PAINT TO BE PPG PAINTS. GENERAL CONTRACTOR TO CONFIRM USE OF APPROPRIATE MANUFACTURER PAINT SYSTEM PRIOR TO APPLICATION
2. CONTRACTOR TO SUBMIT PAINT DRAWDOWNS TO PETSMART CM FOR APPROVAL.
3. PROVIDE PRIMER AS SCHEDULED.
4. SMOOTH FINISH ON ALL PAINTED SURFACES.
5. PAINT CONDUIT DROPS P-2 "COMMERCIAL WHITE" TO MATCH COLUMN.
6. NUMBER OF COATS SHOWN IS MINIMUM REQUIRED. PAINT AS NECESSARY TO ACHIEVE FULL COVERAGE.
7. DO NOT PAINT MECHANICAL GRILLES (FACTORY FINISHED ONLY), UNLESS NOTED OTHERWISE.
8. PAINT ON CMU WALLS OR CONCRETE TILT PANELS TO BE SMOOTH FINISH (WHERE OCCURS).
9. GENERAL CONTRACTOR / PAINT SUBCONTRACTOR TO PREPARE AND PAINT ROOF DECK BASED ON NEW / EXISTING DECKING INSTALLED.
10. PAINT BEHIND ALL MILLWORK.
11. SIKAFLEX 1A SEALANT TO BE USED AT ALL ROOMS WITH WET CONDITIONS UNLESS NOTED OTHERWISE.

ROOM FINISH SCHEDULE GENERAL NOTES:

1. SEE KEY PLAN (DETAIL 1/A7.0) FOR WALL NUMBERS AND PAINT COLORS.
2. REFERENCE ALL REMARKS IN THE ROOM FINISH SCHEDULE.
3. REFERENCE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
4. SEE SHEET A3.0 AND A3.1 FOR CEILING MATERIALS AND HEIGHTS.
5. SEE SHEET A2.0 FOR EXTENT OF FLOOR FINISHES.



1 / A7.0 PAINT COLOR KEY PLAN
SCALE: 3/32" = 1'-0"

DESIGNER NOTE: WALL NUMBERING ALWAYS COUNTER CLOCKWISE. NUMBERS ARE NOT FLIP ON MIRRORED LAYOUT PLANS.

DESIGNER NOTE: TRUE NORTH TO BE PROJECT SPECIFIC. REVISE AS REQUIRED. IF THE NORTH ARROW IS NOT REQUIRED, OR THERE IS NO NEED TO INCLUDE PROJECT NORTH".

SEALANT COLOR/LOCATION SCHEDULE:

(SIKA - SIKAFLEX 1A SEALANT FOR ALL DEFINED "WET AREAS")

COLOR	LOCATIONS
ALUMINUM GREY	AT ALL CLEAR ANODIZED ALUMINUM WINDOW AND DOOR FRAMING
LIMESTONE	AT LOCATIONS WHERE SEALANT IS SPECIFIED AT CERAMIC TILE TRANSITIONS INCLUDING CERAMIC WALL TILE TO FLOOR
LIMESTONE	AT NATURALLY COLORED CONCRETE FLOORS & CURBS.
LIMESTONE	AT COMPOSITE BASE (TANGENT COLOR GREY) LOCATIONS, AND WHERE FRP PANEL AND COMPOSITE BASE MEET.
STANDARD COLOR	ALL OTHER LOCATIONS SHALL RECEIVE A STANDARD SIKA - SIKAFLEX 1A COLOR NEAREST TO COLOR OF THE ADJACENT SURFACE.

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: C40045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
1"
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 16 OF: 53

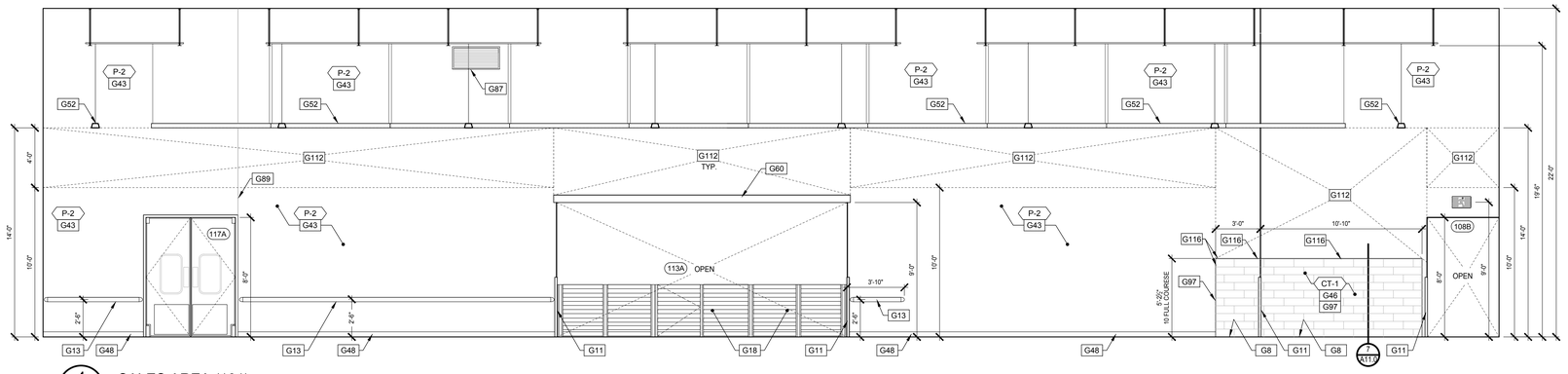
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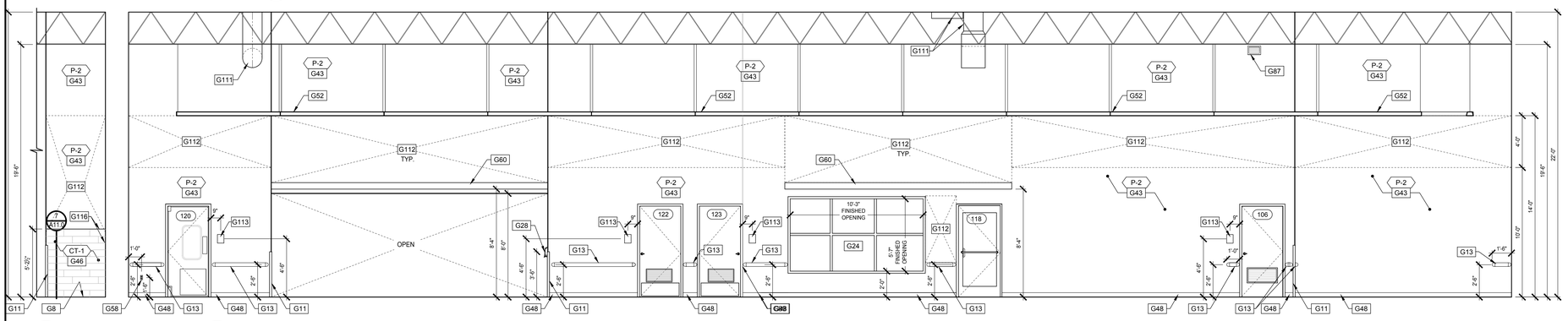
ROOM FINISH SCHEDULE

SHEET NUMBER:

A7.0

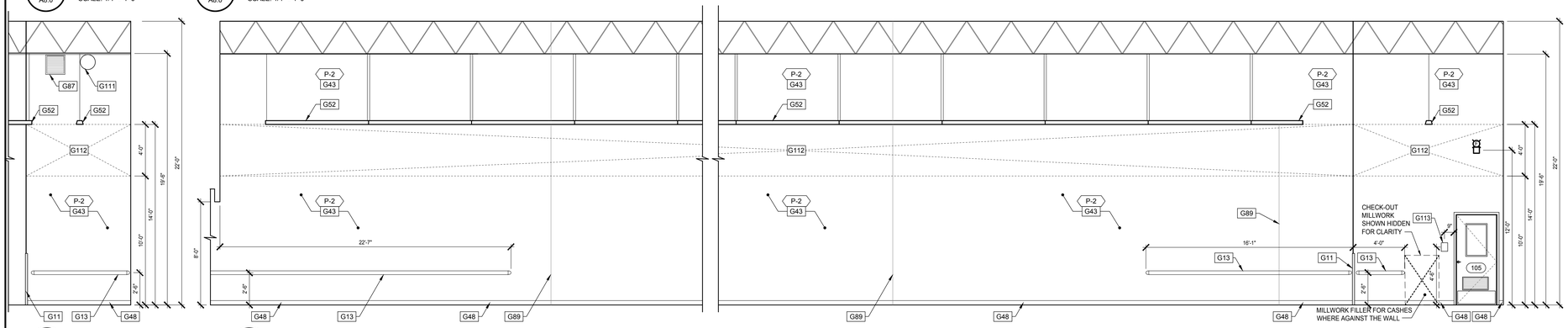


4 A8.0 SALES AREA (101)
SCALE: 1/4" = 1'-0"



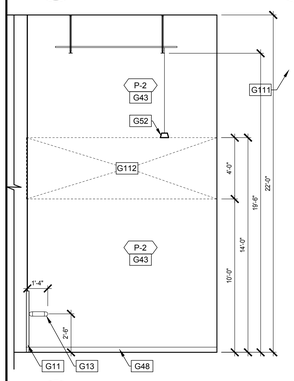
3A A8.0 SALES AREA (101)
SCALE: 1/4" = 1'-0"

3 A8.0 SALES AREA (101)
SCALE: 1/4" = 1'-0"

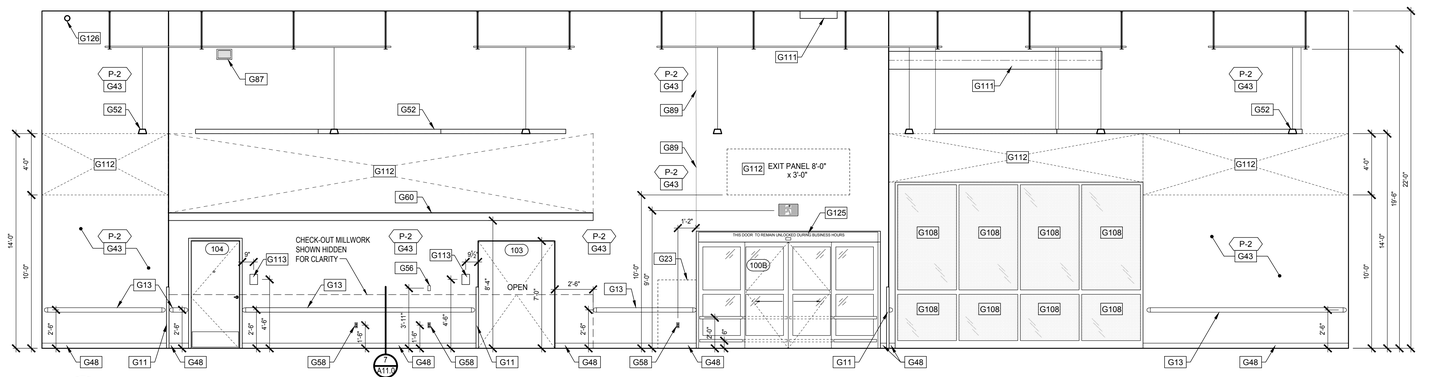


2A A8.0 SALES AREA (101)
SCALE: 1/4" = 1'-0"

2 A8.0 SALES AREA (101)
SCALE: 1/4" = 1'-0"



1A A8.0 SALES AREA (101)
SCALE: 1/4" = 1'-0"



1 A8.0 SALES AREA (101)
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.

FRP GENERAL NOTES:

1. MILLWORK VENDOR HIRED BY G.C. SHALL PROVIDE AND INSTALL FRP SYTEM. 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 PREPPED. 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 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.

MISCELLANEOUS BLOCKING SCHEDULE:

ROOM NAME	ROOM NUMBER	BLOCKING FOR	MATERIAL
VESTIBULE	100	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 14/A12.0)
		CRASH RAIL	12" METAL STRAP (SEE DETAIL 14/A12.0)
SALES AREA	101	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 14/A12.0)
		DÉCOR LEDGES	3/4" X 24" PLYWOOD
		HAND SANITIZER	3/4" PLYWOOD
FRONT P.O.S.	102	DÉCOR LEDGE	3/4" X 24" PLYWOOD
BOPS CLOSET	103	DOOR STOP	6005162-33 MTL. STUD
MANAGER/ VAULT	104	DOOR STOP	6005162-33 MTL. STUD
ASSOCIATES RESOURCES	106	PAPER TOWEL DISPENSER	3/4" PLYWOOD
		HAND SANITIZER	
		DOOR STOP	3/4" PLYWOOD
HALL A	108	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 14/A12.0)
		DRINKING FOUNTAINS	2X6
		S.S. SHELF	3/4" PLYWOOD
UNISEX WASHROOM	110	GRAB BARS	3/4" PLYWOOD
		TOILET PAPER DISPENSER	
		TOWEL DISPENSER	
		SANITARY NAPKIN DISPOSAL	
		HAND SANITIZER	
		TOILET SEAT COVER DISPENSER	
		MIRROR	
		BABY CHANGING SHELF	
		CLOTHES HOOK	2 X 6
		DOOR STOP	3/4" PLYWOOD
		S.S. SHELF	3/4" PLYWOOD
UNIVERSAL WASHROOM	111	GRAB BARS	3/4" PLYWOOD
		TOILET PAPER DISPENSER	
		TOWEL DISPENSER	
		HAND SANITIZER	
		TOILET SEAT COVER DISPENSER	
		MIRROR	
		BABY CHANGING SHELF	
		CLOTHES HOOK	2 X 6
		DOOR STOP	3/4" PLYWOOD
		S.S. SHELF	3/4" PLYWOOD
SALON	114	DOOR STOP	3/4" PLYWOOD
DRYING AREA	115	MASTER BLASTER DRYERS	2 X 8
		HAND SANITIZER	3/4" PLYWOOD
		IMPACT DOOR	2 X 6 (SEE DETAIL 6/A6.0)
BATHING AREA	116	SURFACE MOUNTED PIPING & FAUCETS	2 X 6
		LEASH HOLDERS	3/4" PLYWOOD
		HYDROSURGE	3/4" PLYWOOD 30" AFF TO 78" AFF (SEE INT. ELEVATIONS)
		EYEWASH	
RECEIVING	117	IMPACT DOOR	2 X 6 (SEE DETAIL 5/A6.0)
		CHEMICAL MIXING SYSTEM	2 X 6
		MOP HOLDER	2 X 6
		EYEWASH	3/4" PLYWOOD
		ROOF LADDER	4X (SEE DETAIL 3/A12.0)
ADOPTIONS MEET & GREET	118	HAND SANITIZER	3/4" PLWOOD
		DOOR STOP	3/4" PLWOOD
ADOPTIONS	119	HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
FISH PREP	120	IMPACT DOOR	2 X 6 (SEE DETAIL 6/A6.0)
		CHEMICAL MIXING SYSTEM	2 X 6
		EYEWASH	3/4" PLYWOOD
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
HOLDING ROOM #2	122	DOOR STOP	6005162-33 MTL. STUD
		HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
HOLDING ROOM #1	123	DOOR STOP	6005162-33 MTL. STUD
		HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	

MILLWORK BLOCKING SCHEDULE:

ELEV.	ROOM NAME	ROOM NUMBER	APPROX TOTAL FEET	MATERIAL	HEIGHT A.F.F.
9,10 & 11/A8.1	MANAGER/ VAULT	104	22'-0"	2 X 6	27"
10 & 11 /A8.1	MANAGER/ VAULT	104	16'-0"	3/4" X 36" PLYWD	48"
10 & 11/A8.1	MANAGER/ VAULT	104	6'-0"	3/4" X 27" PLYWD	0"
15 & 14/A8.1	COMPUTER/ COPY	105	9'-6"	2 X 6	27"
15/A8.1	COMPUTER/ COPY	105	7'-6"	3/4" X 36" PLYWD	48"
15/8.1	COMPUTER/ COPY	105	4'-0"	3/4" X 27" PLYWD	0"
19 & 20/A8.1	ASSOCIATE RESOURCES	106	16'-0"	2 X 6	27", 54", 79"
18 & 19/A8.1	ASSOCIATE RESOURCES	106	16'-0"	3/4" X 48" PLYWD	0"
2 & 4/A8.2	SALON	114	60'-0"	2 X 6	36", 70-1/2"
22/A8.3	RECEIVING	117	3'-0"	3/4"X 36" PLYWD	48"
6 & 7/A 8.3	ADOPTIONS	119	7'-0"	2 X 6	27"
6/A8.3	ADOPTIONS	119	2'-0"	3/4"X 27" PLYWD	0"
30/A8.1	FISH PREP	120	5'-0"	3/4"X 36" PLYWD	52"
33/A8.1	FISH PREP	120	8'-6"	2 X 6	49"
28/A8.1	HOLDING #2	122	3'-0"	3/4"X 36" PLYWD	48"
24/A8.1	HOLDING #1	123	3'-0"	3/4"X 36" PLYWD	48"

CONTRACTOR SHALL VERIFY MILWORK 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.

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:
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.
THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

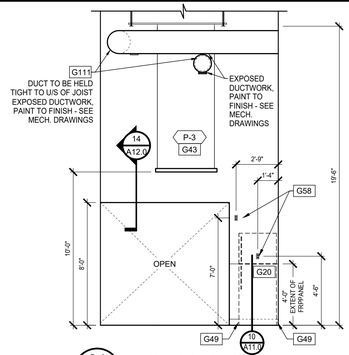
PROJECT NO: CA0045686.0146
DATE: 02.12.25
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DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 17 OF: 53

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1"

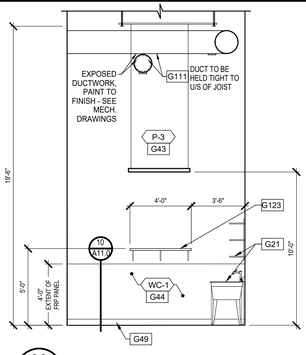
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TITLE: INTERIOR ELEVATIONS

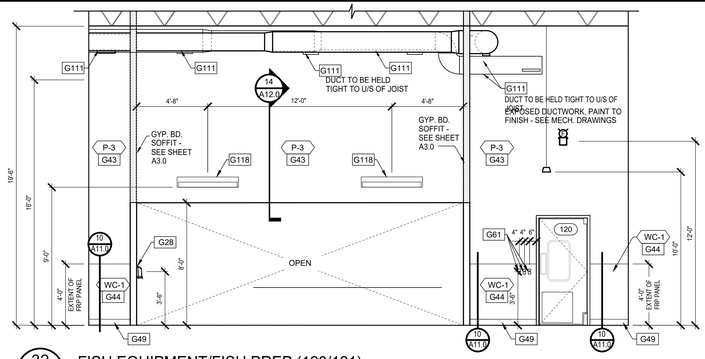
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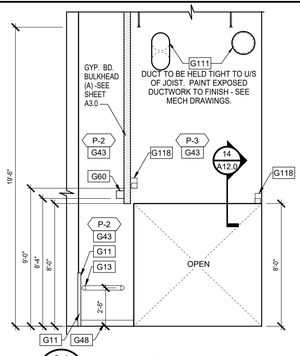
34 A8.1 FISH PREP (120)
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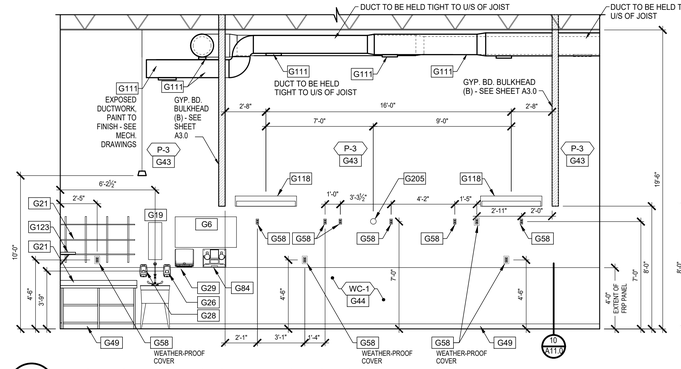
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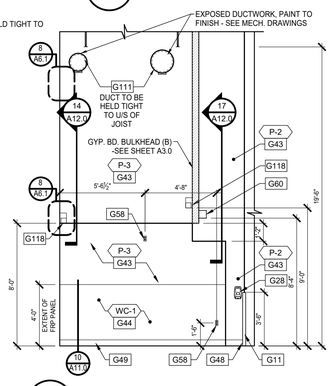
32 A8.1 FISH EQUIPMENT/FISH PREP (120/121)
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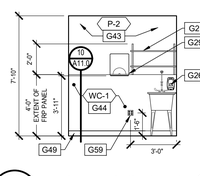
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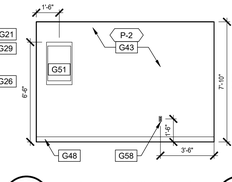
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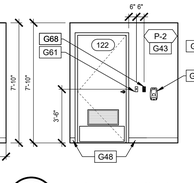
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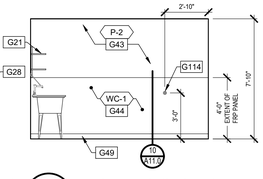
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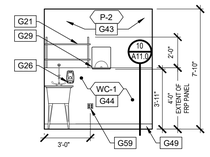
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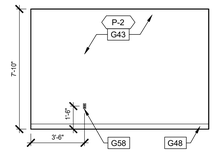
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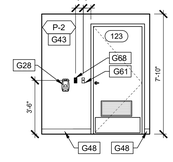
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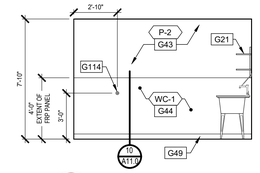
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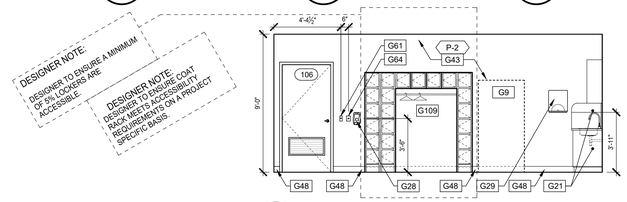
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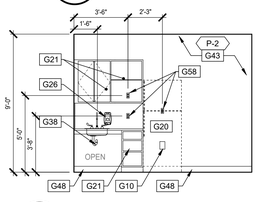
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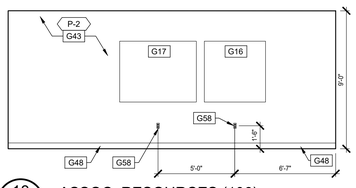
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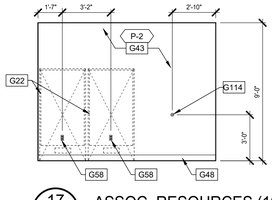
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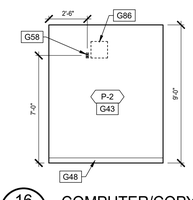
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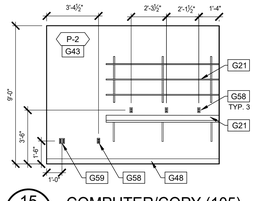
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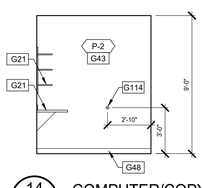
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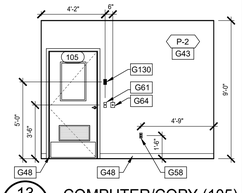
16 A8.1 COMPUTER/COPY (105)
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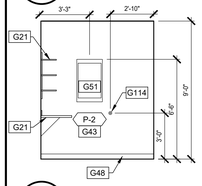
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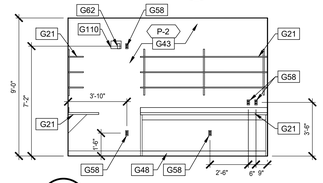
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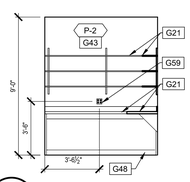
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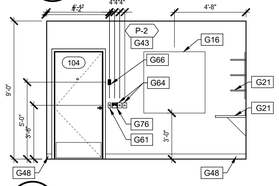
12 A8.1 MANAGER/VAULT (104)
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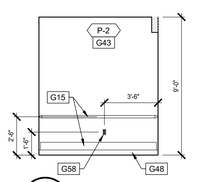
11 A8.1 MANAGER/VAULT (104)
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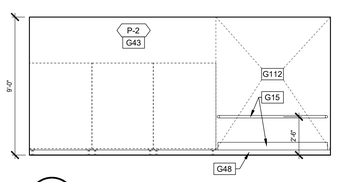
10 A8.1 MANAGER/VAULT (104)
SCALE: 1/4" = 1'-0"



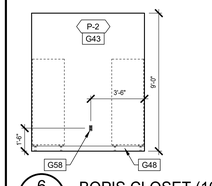
9 A8.1 MANAGER/VAULT (104)
SCALE: 1/4" = 1'-0"



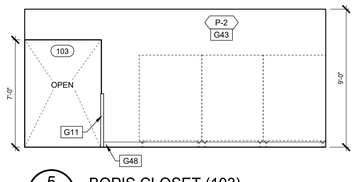
8 A8.1 BOPIS CLOSET (103)
SCALE: 1/4" = 1'-0"



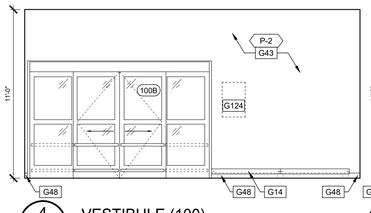
7 A8.1 BOPIS CLOSET (103)
SCALE: 1/4" = 1'-0"



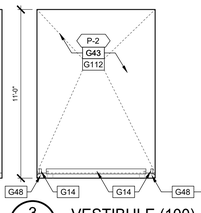
6 A8.1 BOPIS CLOSET (103)
SCALE: 1/4" = 1'-0"



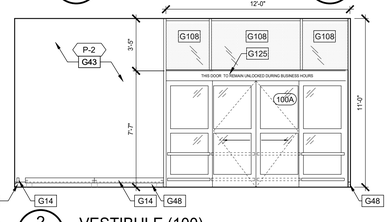
5 A8.1 BOPIS CLOSET (103)
SCALE: 1/4" = 1'-0"



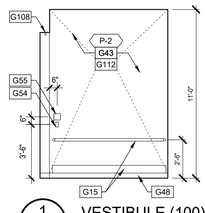
4 A8.1 VESTIBULE (100)
SCALE: 1/4" = 1'-0"



3 A8.1 VESTIBULE (100)
SCALE: 1/4" = 1'-0"



2 A8.1 VESTIBULE (100)
SCALE: 1/4" = 1'-0"



1 A8.1 VESTIBULE (100)
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.

FRP GENERAL NOTES:

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

MISCELLANEOUS BLOCKING SCHEDULE:

ROOM NAME	ROOM NUMBER	BLOCKING FOR	MATERIAL
VESTIBULE	100	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 14/A12.0)
		CRASH RAIL	12" METAL STRAP (SEE DETAIL 14/A12.0)
SALES AREA	101	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 14/A12.0)
		DÉCOR LEDGES	3/4" X 24" PLYWOOD
		HAND SANITIZER	3/4" PLYWOOD
FRONT P.O.S.	102	DÉCOR LEDGE	3/4" X 24" PLYWOOD
BOPIS CLOSET	103	DOOR STOP	6005162-33 MTL STUD
MANAGER/ VAULT	104	DOOR STOP	6005162-33 MTL STUD
ASSOCIATES RESOURCES	106	PAPER TOWEL DISPENSER	3/4" PLYWOOD
		HAND SANITIZER	
		DOOR STOP	3/4" PLYWOOD
HALL A	108	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 14/A12.0)
		DRINKING FOUNTAINS	ZX6
		S.S. SHELF	3/4" PLYWOOD
UNISEX WASHROOM	110	GRAB BARS	3/4" PLYWOOD
		TOILET PAPER DISPENSER	
		TOWEL DISPENSER	
		SANITARY NAPKIN DISPOSAL	
		HAND SANITIZER	
		TOILET SEAT COVER DISPENSER	
		MIRROR	
		BABY CHANGING SHELF	
		CLOTHES HOOK	2 X 6
		DOOR STOP	3/4" PLYWOOD
		S.S. SHELF	3/4" PLYWOOD
UNIVERSAL WASHROOM	111	GRAB BARS	3/4" PLYWOOD
		TOILET PAPER DISPENSER	
		TOWEL DISPENSER	
		HAND SANITIZER	
		TOILET SEAT COVER DISPENSER	
		MIRROR	
		BABY CHANGING SHELF	
		CLOTHES HOOK	2 X 6
		DOOR STOP	3/4" PLYWOOD
		S.S. SHELF	3/4" PLYWOOD
SALON	114	DOOR STOP	3/4" PLYWOOD
DRYING AREA	115	MASTER BLASTER DRYERS	2 X 8
		HAND SANITIZER	3/4" PLYWOOD
		IMPACT DOOR	2 X 6 (SEE DETAIL 6/A6.0)
BATHING AREA	116	SURFACE MOUNTED PIPING & FAUCETS	2 X 6
		LEASH HOLDERS	3/4" PLYWOOD
		HYDROSURGE	3/4" PLYWOOD 30" AFF TO 78" AFF (SEE INT. ELEVATIONS)
		EYEWASH	
RECEIVING	117	IMPACT DOOR	2 X 6 (SEE DETAIL 5/A6.0)
		CHEMICAL MIXING SYSTEM	2 X 6
		MOP HOLDER	2 X 6
		EYEWASH	3/4" PLYWOOD
		ROOF LADDER	4X (SEE DETAIL 3/A12.0)
ADOPTIONS MEET & GREET	118	HAND SANITIZER	3/4" PLYWOOD
		DOOR STOP	3/4" PLYWOOD
ADOPTIONS	119	HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
FISH PREP	120	IMPACT DOOR	2 X 6 (SEE DETAIL 6/A6.0)
		CHEMICAL MIXING SYSTEM	2 X 6
		EYEWASH	
		HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
HOLDING ROOM #2	122	DOOR STOP	6005162-33 MTL STUD
		HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
HOLDING ROOM #1	123	DOOR STOP	6005162-33 MTL STUD
		HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	

MILLWORK BLOCKING SCHEDULE:

ELEV.	ROOM NAME	ROOM NUMBER	APPROX TOTAL FEET	MATERIAL	HEIGHT A.F.F.
9,10 & 11/A8.1	MANAGER/ VAULT	104	22'-0"	2 X 6	27"
10 & 11 /A8.1	MANAGER/ VAULT	104	16'-0"	3/4" X 36" PLYWD	48"
10 & 11/A8.1	MANAGER/ VAULT	104	6'-0"	3/4" X 27" PLYWD	0"
15 & 14/A8.1	COMPUTER/ COPY	105	9'-6"	2 X 6	27"
15/A8.1	COMPUTER/ COPY	105	7'-6"	3/4" X 36" PLYWD	48"
15/8.1	COMPUTER/ COPY	105	4'-0"	3/4" X 27" PLYWD	0"
19 & 20/A8.1	ASSOCIATE RESOURCES	106	16'-0"	2 X 6	27", 54", 79"
18 & 19/A8.1	ASSOCIATE RESOURCES	106	16'-0"	3/4" X 48" PLYWD	0"
2 & 4/A8.2	SALON	114	60'-0"	2 X 6	36", 70-1/2"
22/A8.3	RECEIVING	117	3'-0"	3/4" X 36" PLYWD	48"
6 & 7/A 8.3	ADOPTIONS	119	7'-0"	2 X 6	27"
6/A8.3	ADOPTIONS	119	2'-0"	3/4" X 27" PLYWD	0"
30/A8.1	FISH PREP	120	5'-0"	3/4" X 36" PLYWD	52"
33/A8.1	FISH PREP	120	8'-6"	2 X 6	49"
28/A8.1	HOLDING #2	122	3'-0"	3/4" X 36" PLYWD	48"
24/A8.1	HOLDING #1	123	3'-0"	3/4" X 36" PLYWD	48"

CONTRACTOR SHALL VERIFY MILWORK 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.

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:
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.

THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

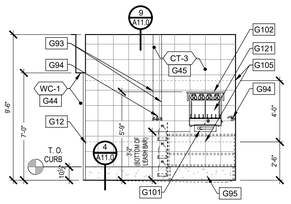
PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 18 OF: 53

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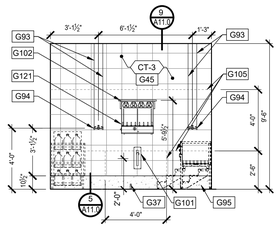
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TITLE:
INTERIOR ELEVATIONS

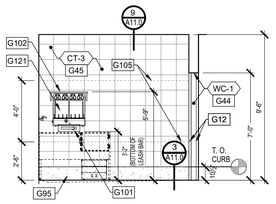
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A8.1



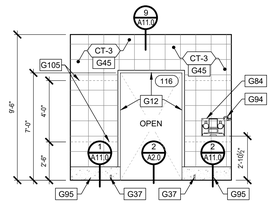
16 A8.2 BATHING AREA (116)
SCALE: 1/4" = 1'-0"



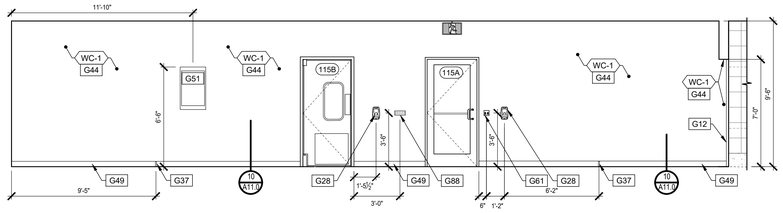
15 A8.2 BATHING AREA (116)
SCALE: 1/4" = 1'-0"



14 A8.2 BATHING AREA (116)
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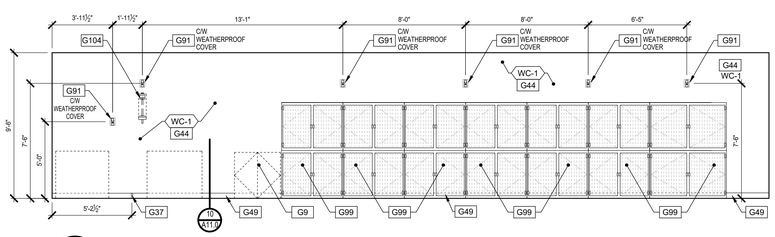


13 A8.2 BATHING AREA (116)
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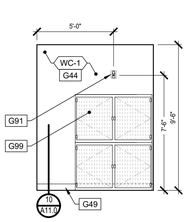


12 A8.2 DRYING AREA (115)
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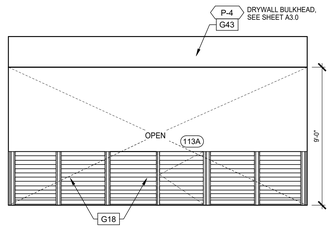
11 A8.2 DRYING AREA (115)
SCALE: 1/4" = 1'-0"



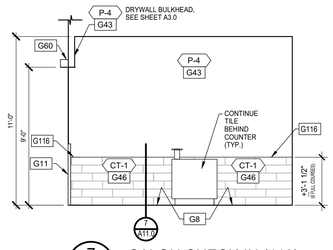
10 A8.2 DRYING AREA (115)
SCALE: 1/4" = 1'-0"



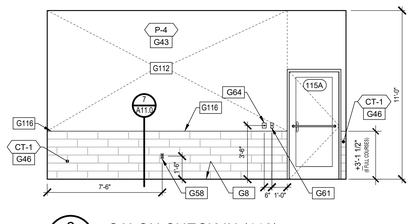
9 A8.2 DRYING AREA (115)
SCALE: 1/4" = 1'-0"



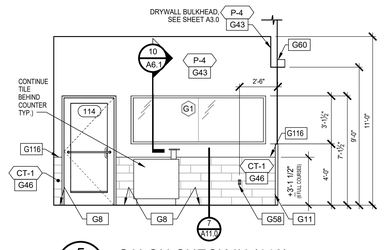
8 A8.2 SALON CHECK-IN (113)
SCALE: 1/4" = 1'-0"



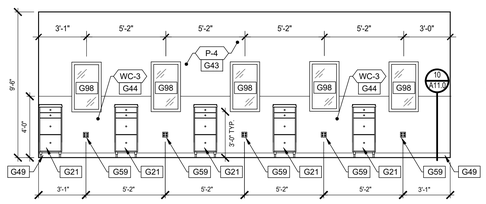
7 A8.2 SALON CHECK-IN (113)
SCALE: 1/4" = 1'-0"



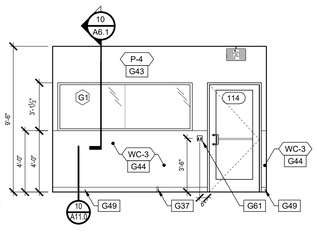
6 A8.2 SALON CHECK-IN (113)
SCALE: 1/4" = 1'-0"



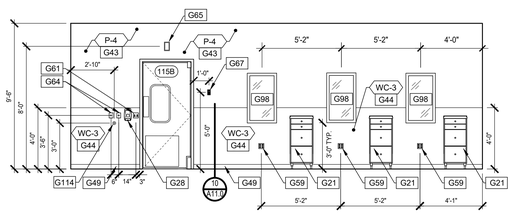
5 A8.2 SALON CHECK-IN (113)
SCALE: 1/4" = 1'-0"



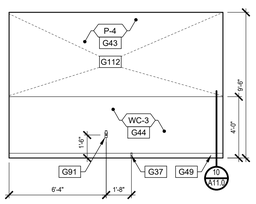
4 A8.2 SALON (114)
SCALE: 1/4" = 1'-0"



3 A8.2 SALON (114)
SCALE: 1/4" = 1'-0"



2 A8.2 SALON (114)
SCALE: 1/4" = 1'-0"



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		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
FISH PREP	120	IMPACT DOOR	2 X 6 (SEE DETAIL 6/A6.0)
		CHEMICAL MIXING SYSTEM	2 X 6
		EYEWASH	3/4" PLYWOOD
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
HOLDING ROOM #2	122	DOOR STOP	600S162-33 MTL STUD
		HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
HOLDING ROOM #1	123	DOOR STOP	600S162-33 MTL STUD
		HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	

MILLWORK BLOCKING SCHEDULE:

ELEV.	ROOM NAME	ROOM NUMBER	APPROX TOTAL FEET	MATERIAL	HEIGHT A.F.F.
9,10 & 11/A8.1	MANAGER/ VAULT	104	22'-0"	2 X 6	27"
10 & 11 /A8.1	MANAGER/ VAULT	104	16'-0"	3/4" X 36" PLYWD	48"
10 & 11/A8.1	MANAGER/ VAULT	104	6'-0"	3/4" X 27" PLYWD	0"
15 & 14/A8.1	COMPUTER/ COPY	105	9'-6"	2 X 6	27"
15/A8.1	COMPUTER/ COPY	105	7'-6"	3/4" X 36" PLYWD	48"
15/8.1	COMPUTER/ COPY	105	4'-0"	3/4" X 27" PLYWD	0"
19 & 20/A8.1	ASSOCIATE RESOURCES	106	16'-0"	2 X 6	27", 54", 79"
18 & 19/A8.1	ASSOCIATE RESOURCES	106	16'-0"	3/4" X 48" PLYWD	0"
2 & 4/A8.2	SALON	114	60'-0"	2 X 6	36", 70-1/2"
22/A8.3	RECEIVING	117	3'-0"	3/4"X 36" PLYWD	48"
6 & 7/A 8.3	ADOPTIONS	119	7'-0"	2 X 6	27"
6/A8.3	ADOPTIONS	119	2'-0"	3/4"X 27" PLYWD	0"
30/A8.1	FISH PREP	120	5'-0"	3/4"X 36" PLYWD	52"
33/A8.1	FISH PREP	120	8'-6"	2 X 6	49"
28/A8.1	HOLDING #2	122	3'-0"	3/4"X 36" PLYWD	48"
24/A8.1	HOLDING #1	123	3'-0"	3/4"X 36" PLYWD	48"

CONTRACTOR SHALL VERIFY MILWORK 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.

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:
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.

THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

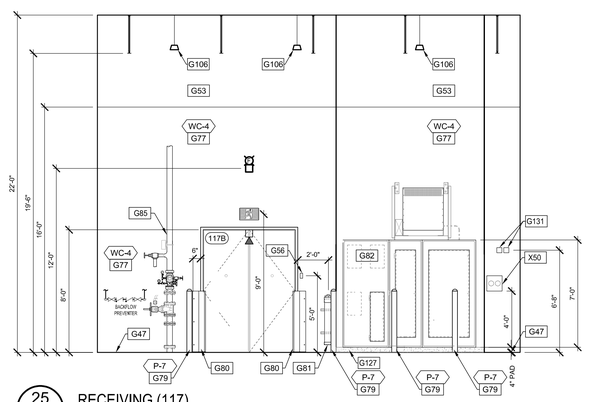
PROJECT NO: C40045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 19 OF: 53

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

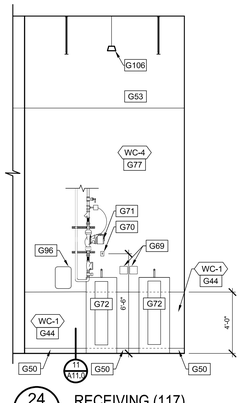
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TITLE: INTERIOR ELEVATIONS

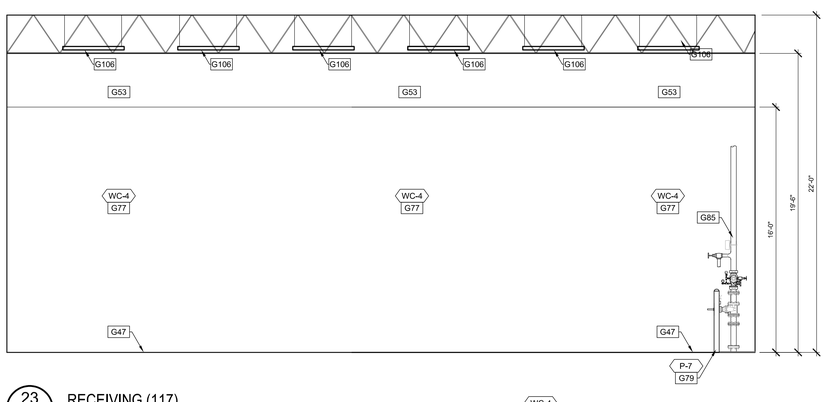
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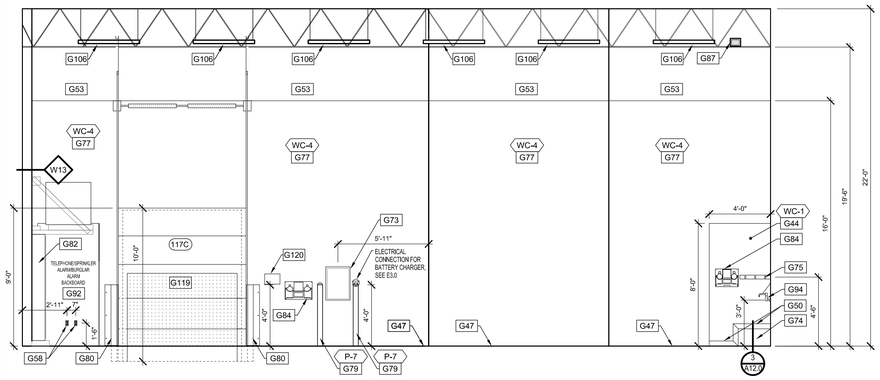
25 A8.3 RECEIVING (117)
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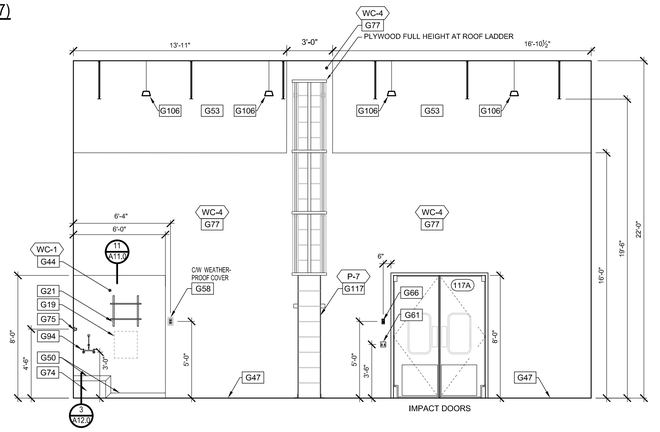
24 A8.3 RECEIVING (117)
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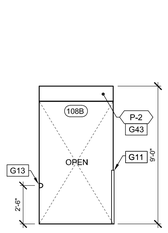
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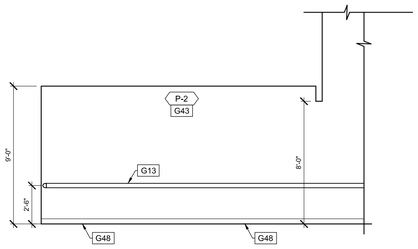
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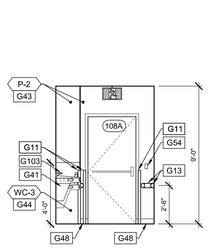
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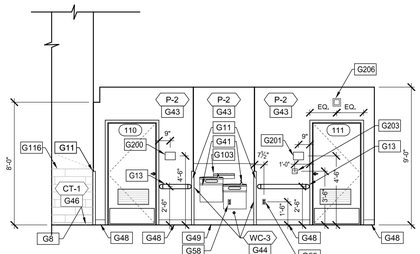
20 A8.3 HALL 'A' (108)
SCALE: 1/4" = 1'-0"



19 A8.3 HALL 'A' (108)
SCALE: 1/4" = 1'-0"

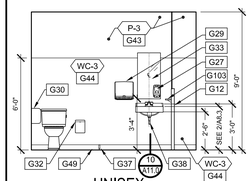


18 A8.3 HALL 'A' (108)
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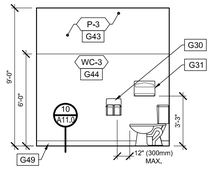


17 A8.3 HALL 'A' (108)
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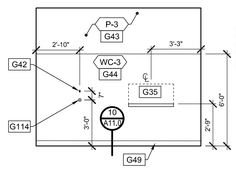
NOTE:
SEE 15/A0.2 & BARRIER-FREE ACCESS NOTES ON A2.1
FOR BARRIER-FREE WASHROOM REQUIREMENTS.



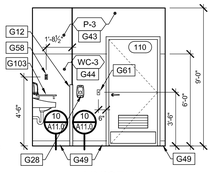
16 A8.3 UNISEX WASHROOM (110)
SCALE: 1/4" = 1'-0"



15 A8.3 UNISEX WASHROOM (110)
SCALE: 1/4" = 1'-0"

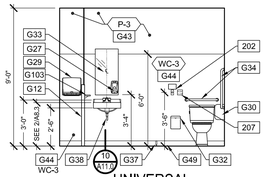


14 A8.3 UNISEX WASHROOM (110)
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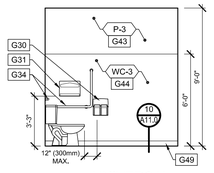


13 A8.3 UNISEX WASHROOM (110)
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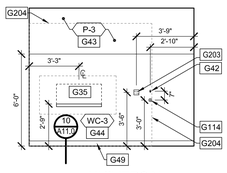
NOTE:
SEE 15/A0.2 & BARRIER-FREE ACCESS NOTES ON A2.1
FOR BARRIER-FREE WASHROOM REQUIREMENTS.



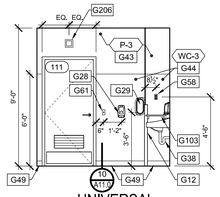
12 A8.3 UNIVERSAL WASHROOM (111)
SCALE: 1/4" = 1'-0"



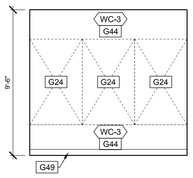
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SCALE: 1/4" = 1'-0"



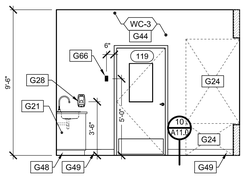
10 A8.3 UNIVERSAL WASHROOM (111)
SCALE: 1/4" = 1'-0"



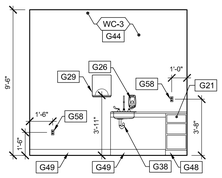
9 A8.3 UNIVERSAL WASHROOM (111)
SCALE: 1/4" = 1'-0"



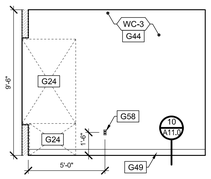
8 A8.3 ADOPTIONS (119)
SCALE: 1/4" = 1'-0"



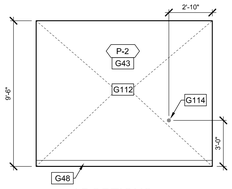
7 A8.3 ADOPTIONS (119)
SCALE: 1/4" = 1'-0"



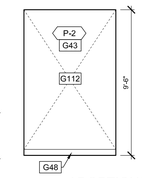
6 A8.3 ADOPTIONS (119)
SCALE: 1/4" = 1'-0"



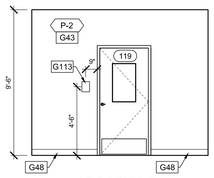
5 A8.3 ADOPTIONS (119)
SCALE: 1/4" = 1'-0"



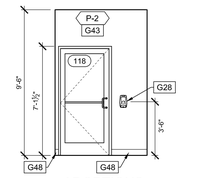
4 A8.3 ADOPTIONS MEET & GREET (118)
SCALE: 1/4" = 1'-0"



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



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



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

GENERAL NOTES:

1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.

FRP GENERAL NOTES:

1. MILLWORK VENDOR HIRED BY G.C. SHALL PROVIDE AND INSTALL FRP SYTEM. 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 PREPPED. 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 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.

MISCELLANEOUS BLOCKING SCHEDULE:

ROOM NAME	ROOM NUMBER	BLOCKING FOR	MATERIAL
VESTIBULE	100	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 14/A12.0)
		CRASH RAIL	12" METAL STRAP (SEE DETAIL 14/A12.0)
SALES AREA	101	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 14/A12.0)
		DÉCOR LEDGES	3/4" X 24" PLYWOOD
		HAND SANITIZER	3/4" PLYWOOD
FRONT P.O.S.	102	DÉCOR LEDGE	3/4" X 24" PLYWOOD
BOPIS CLOSET	103	DOOR STOP	6005162-33 MTL STUD
MANAGER/ VAULT	104	DOOR STOP	6005162-33 MTL STUD
ASSOCIATES RESOURCES	106	PAPER TOWEL DISPENSER	3/4" PLYWOOD
		HAND SANITIZER	
		DOOR STOP	3/4" PLYWOOD
HALL A	108	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 14/A12.0)
		DRINKING FOUNTAINS	2X6
		S.S. SHELF	3/4" PLYWOOD
UNISEX WASHROOM	110	GRAB BARS	3/4" PLYWOOD
		TOILET PAPER DISPENSER	
		TOWEL DISPENSER	
		SANITARY NAPKIN DISPOSAL	
		HAND SANITIZER	
		TOILET SEAT COVER DISPENSER	
		MIRROR	
		BABY CHANGING SHELF	
		CLOTHES HOOK	2 X 6
		DOOR STOP	3/4" PLYWOOD
		S.S. SHELF	3/4" PLYWOOD
UNIVERSAL WASHROOM	111	GRAB BARS	3/4" PLYWOOD
		TOILET PAPER DISPENSER	
		TOWEL DISPENSER	
		HAND SANITIZER	
		TOILET SEAT COVER DISPENSER	
		MIRROR	
		BABY CHANGING SHELF	
		CLOTHES HOOK	2 X 6
		DOOR STOP	3/4" PLYWOOD
		S.S. SHELF	3/4" PLYWOOD
SALON	114	DOOR STOP	3/4" PLYWOOD
DRYING AREA	115	MASTER BLASTER DRYERS	2 X 8
		HAND SANITIZER	3/4" PLYWOOD
		IMPACT DOOR	2 X 6 (SEE DETAIL 6/A6.0)
BATHING AREA	116	SURFACE MOUNTED PIPING & FAUCETS	2 X 6
		LEASH HOLDERS	3/4" PLYWOOD
		HYDROSURGE	3/4" PLYWOOD 30" AFF TO 78" AFF (SEE INT. ELEVATIONS)
		EYEWASH	
RECEIVING	117	IMPACT DOOR	2 X 6 (SEE DETAIL S/A6.0)
		CHEMICAL MIXING SYSTEM	2 X 6
		MOP HOLDER	2 X 6
		EYEWASH	3/4" PLYWOOD
		ROOF LADDER	4X (SEE DETAIL 3/A12.0)
ADOPTIONS MEET & GREET	118	HAND SANITIZER	3/4" PLWOOD
		DOOR STOP	3/4" PLWOOD
ADOPTIONS	119	HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
FISH PREP	120	IMPACT DOOR	2 X 6 (SEE DETAIL 6/A6.0)
		CHEMICAL MIXING SYSTEM	2 X 6
		EYEWASH	3/4" PLYWOOD
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		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
HOLDING ROOM #2	122	DOOR STOP	6005162-33 MTL STUD
		HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
HOLDING ROOM #1	123	DOOR STOP	6005162-33 MTL STUD
		HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	

MILLWORK BLOCKING SCHEDULE:

ELEV.	ROOM NAME	ROOM NUMBER	APPROX TOTAL FEET	MATERIAL	HEIGHT A.F.F.
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10 & 11/A8.1	MANAGER/ VAULT	104	6'-0"	3/4" X 27" PLYWD	0"
15 & 14/A8.1	COMPUTER/ COPY	105	9'-6"	2 X 6	27"
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15/8.1	COMPUTER/ COPY	105	4'-0"	3/4" X 27" PLYWD	0"
19 & 20/A8.1	ASSOCIATE RESOURCES	106	16'-0"	2 X 6	27", 54", 79"
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2 & 4/A8.2	SALON	114	60'-0"	2 X 6	36", 70-1/2"
22/A8.3	RECEIVING	117	3'-0"	3/4"X 36" PLYWD	48"
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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.

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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PROJECT NO: C40045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
1"
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DRAWN BY:
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PAGE #: 20 OF: 53

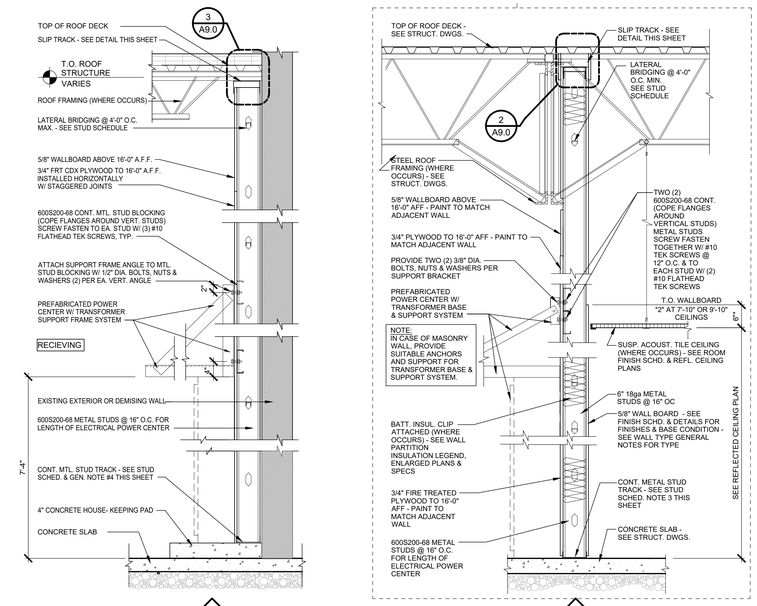
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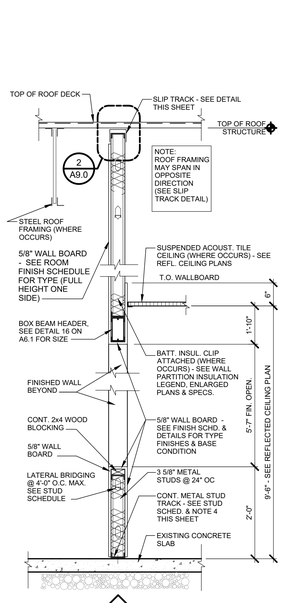
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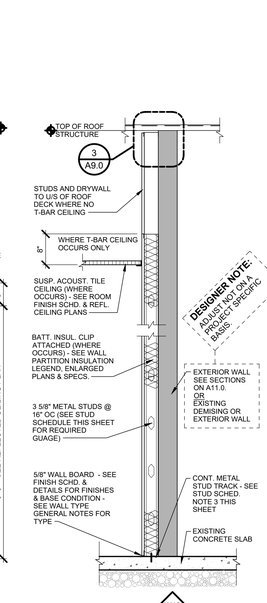
SHEET NUMBER: **A8.3**

DESIGNER NOTE: IF THERE IS A SHARED METAL STUD DEMISING WALL NEXT TO AN ADJACENT TENANT, INSTALL CHICKEN WIRE BETWEEN STUDS AND GYPSUM BOARD OR PETSMART WILL HAVE TO CUT A HOLE IN THE WALL ADDITIONALLY IS REQUIRED TO BE TURNED OUT ACCOMMODATE OUTLETS PLUMBING, ETC...)

DESIGNER NOTE: PROVIDE WALL TYPE WHEN ELECTRICAL POWER WALL PANEL WILL BE LOCATED ON A STUD WALL RATHER THAN AN EXTERIOR WALL

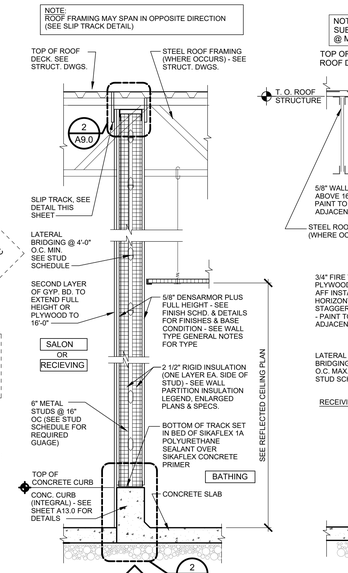




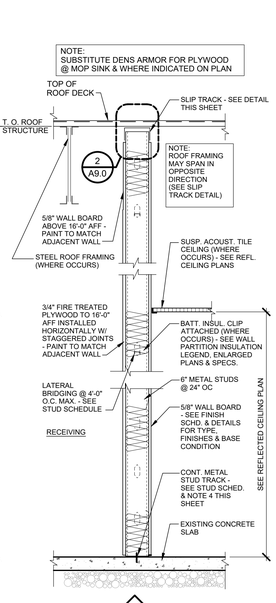


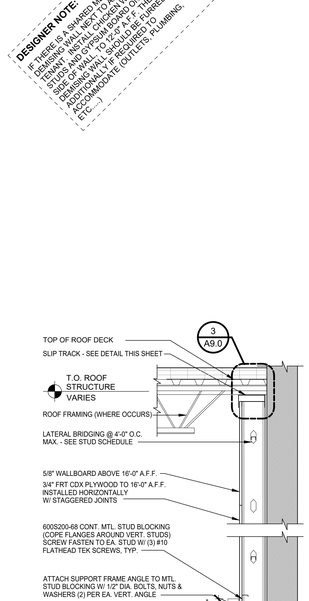
DESIGNER NOTE: ADJUST NOTE ON A PROJECT SPECIFIC BASIS

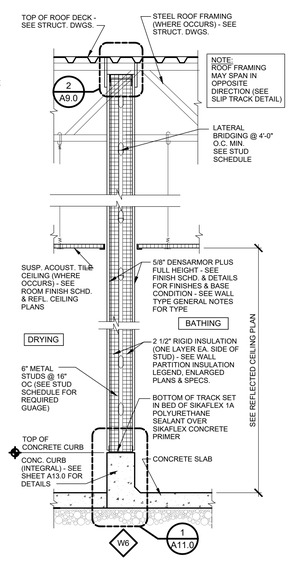
- EXTERIOR WALL SEE SECTIONS ON A11.0. OR
- EXISTING DEMISING OR EXTERIOR WALL

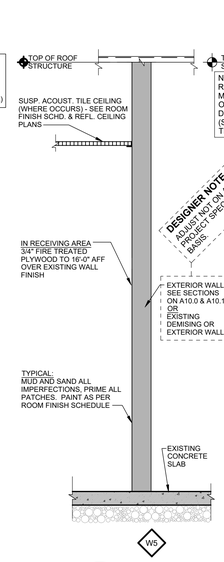


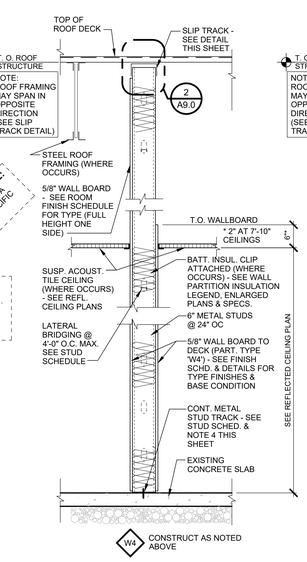
NOTE: SUBSTITUTE DENS ARMOR FOR PLYWOOD @ MOP SINK & WHERE INDICATED ON PLAN



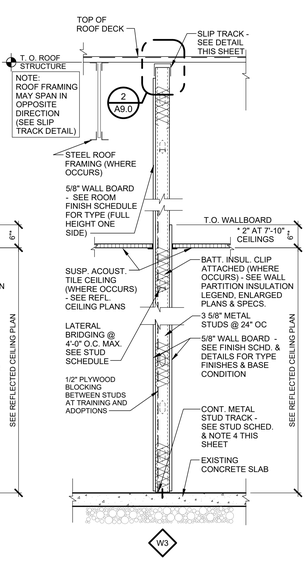




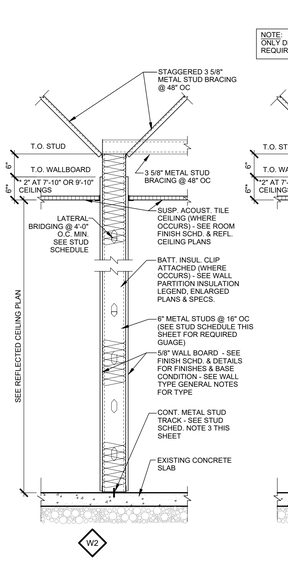


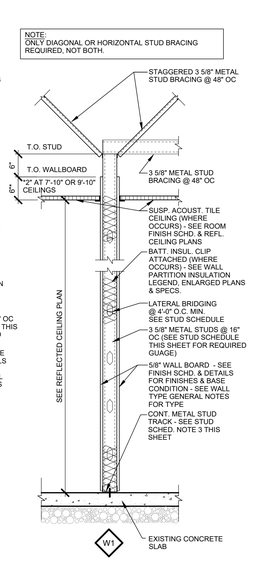


CONSTRUCT AS NOTED ABOVE

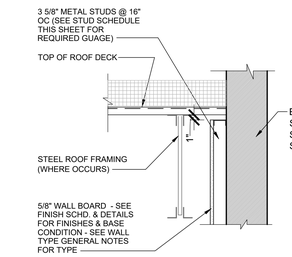


NOTE: ONLY DIAGONAL OR HORIZONTAL STUD BRACING REQUIRED, NOT BOTH.

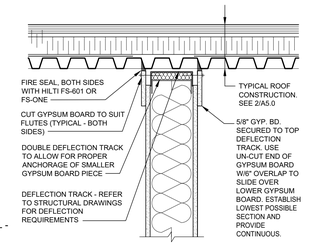




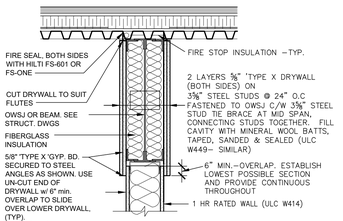
1 A9.0 INTERIOR PARTITION WALL TYPES
SCALE: 3/4" = 1'-0"



3 A9.0 DETAIL
SCALE: 1" = 1'-0"



SLIDING CONNECTION AT DECK



TYP. AT 1 HR RATED WALLS

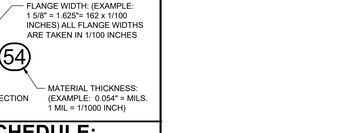
NOTES:
1. DO NOT FASTEN WALLBOARD WITHIN 2" OF BOTTOM OF SLIP TRACK.
2. VERTICAL DEFLECTION SLIP TRACK METHOD MAY BE EITHER CONTINUOUS DEEP LEG TRACK AS SHOWN, SLOTTED SLIP TRACK, OR SLOTTED ANGLE CLIPS (VERTICLIP OR EQUAL).
3. SCREW ANCHORS SHALL NOT EXTEND BEYOND TOP OF DECK ELEVATION.

2 A9.0 SLIP TRACK DETAILS
SCALE: 1" = 1'-0"

WALL TYPE GENERAL NOTES:

1. ALL INTERIOR PARTITION DIMENSIONS ARE TO FACE OF GYP. BD. UNLESS NOTED OTHERWISE.
2. ALL GYP. BD. SHALL BE TAPED AND SANDED, READY TO ACCEPT TENANT FINISH (FULL HEIGHT).
3. PROVIDE SLIDING CONNECTION TO U/S OF BEAMS, DECK OR JOIST FOR ROOF DEFLECTION.
4. FIRE SEAL HILTI FS601 OR FS-ONE FLEXIBLE FIRE STOP AT ROOF DECK, FLOOR AND ALL WALL PENETRATIONS TO SUIT RATING OF WALL. APPLICATION TO COMPLY WITH MANUFACTURER SPECIFICATION AND TO THE SATISFACTION OF AUTHORITIES HAVING JURISDICTION FOR ALL RATED WALLS.
5. CAULK SEAL AT ROOF DECK, FLOOR AND ALL WALL PENETRATIONS FOR NON-RATED WALLS.
6. CUT GYPSUM BOARD TO SUIT ROOF DECK FLUTES AT ALL FULL HEIGHT WALLS.
6. PROVIDE CONTROL JOINTS (CGC No. 093) WHERE: CEILING ABUTS A DISSIMILAR ELEMENT; CONSTRUCTION CHANGES, WALL OR WITHIN THE PLANE OF THE PARTITION OR CEILING; PARTITION OR FURRING RUN EXCEEDS 30 FEET; CEILING DIMENSION EXCEEDS 50 FEET IN EITHER DIRECTION; WINGS OF "L", "U", AND "T" SHAPED CEILING AREAS ARE JOINED AND ELSEWHERE AS REQUIRED AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE LAYOUT FOR ARCHITECT'S APPROVAL, PRIOR TO ERECTION.
7. G.C. TO BOX IN ALL SERVICES NOT CONCEALED IN WALLS W/STEEL STUD FRAMING + 5/8" GYP. BD. TAPED + SANDED TO THE U/S OF CEILING C/W ACCESS PANELS.
8. ALL GYP. BD. TO BE INSTALLED A MIN. OF 1/2" FROM TOP OF CONCRETE SLAB (MAX. 5/8").
9. G.C. TO SCRAPE AND VACUUM CLEAN BOTTOM OF TRACK PRIOR TO INSTALLATION OF INSULATION.
10. IF APPLICABLE, PROVIDE 1/2" EXTERIOR GRADE PLYWOOD WITH BLUE SKIN PEEL & STICK MEMBRANE (IN SHINGLE CONFIGURATION) AS SHEATHING AT ALL SPANDREL PANEL LOCATIONS.
11. IF APPLICABLE, G.C. TO COORDINATE ELECTRICAL FIXTURE LOCATIONS W/ ELECTRICAL, EIFS AND STUD/GYP. BD. SUBCONTRACTORS. ENSURE ADEQUATE BACKING SUPPORT IS PROVIDED
12. DEFINED "WET AREAS":
    A. BATHING AREAS
    B. DRYING AREAS
    C. RESTROOMS
    D. WATER COOLER ALCOVE
    E. FISH EQUIPMENT
    F. HOLDING ROOMS (WALLS ADJACENT TO SINK)
    G. RECEIVING (WALLS ADJACENT TO MOP SINK & BEHIND WATER HEATERS.)
13. ALL SEALANT IN WET AREAS SHALL BE SIKA, SIKAFLEX 1A POLYURETHANE SEALANT, UNLESS NOTED OTHERWISE. FOR COLORS & LOCATIONS, SEE SCHEDULE ON A7.0.
14. BOTTOM TRACK AT ALL WET LOCATIONS TO BE SET IN TWO CONTINUOUS BEADS OF SIKAFLEX 1A POLYURETHANE SEALANT WITH A CONTINUOUS BEAD ALONG BOTH EDGES OF THE TRACK (OVER SIKAFLEX CONCRETE PRIMER).
15. FOR ALL LOCATIONS OF WATER RESISTANT WALL BOARD (DENS ARMOR PLUS BY GEORGIA PACIFIC) REFER TO DETAILS ON SHEETS A11.0. PANEL TO BE HELD 3/8" ABOVE FLOOR.
16. SEE ROOM FINISH SCHEDULE FOR WALLBOARD TYPES.
17. REFER TO FINISH SCHEDULE, INTERIOR ELEVATIONS, AND DETAILS FOR BASE TYPE, AND ADDITIONAL INFORMATION.
18. ENSURE BLOCKING IS INSTALLED FOR ALL WALL MOUNTED ITEMS SEE BLOCKING SCHEDULE FOR ADDITIONAL INFORMATION.

COLD-FORMED STEEL IDENTIFICATION LEGEND:



STUD SCHEDULE:

TYPE	GAUGE	MAXIMUM CLEAR HEIGHT (1) (2)
362S162-33	20	15'-2"
362S162-43	18	16'-5"
362S162-54	16	17'-8"
400S162-33	20	16'-4"
400S162-43	18	17'-9"
400S162-54	16	19'-0"
600S162-33	20	22'-6"
600S162-43	18	24'-5"

1. CLEAR HEIGHT IS THE DISTANCE FROM FLOOR TO TOP OF WALL OR TO BRACE LOCATION (HORIZ. OR DIAGONAL KNEE BRACE).
2. SEE DETAIL 15/A12.0 FOR BRACING REQUIREMENTS.
3. ALL METAL STUD MEMBERS SHALL BE FORMED FROM CORROSION- RESISTANT STEEL, CORRESPONDING TO THE REQUIREMENTS OF ASTM A653-94 AND SHALL BE ZINC COATED MEETING ASTM A924. MINIMUM YIELD STRENGTH SHALL BE 33,000 PSI FOR ALL RUNNERS AND ALL 33 MILS AND 43 MILS MEMBERS; AND 50,000 PSI FOR ALL 54 MILS, 68 MILS, AND 97 MILS. STUDS PROPERTIES SHALL BE AS MANUFACTURED BY METAL STUD MANUFACTURERS ASSOCIATIONS PER I.C.C.-E.S.R. #3064P OR APPROVED EQUAL. STUDS SHALL BE A MINIMUM 33 MILS "C" SHAPE, 1.625" WIDE (U.O.N.), OF THE DEPTHS AND SPACING SHOWN ON DRAWINGS. TRACKS SHALL BE 54 MILS, WITH A MINIMUM FLANGE OF 1.25", BRIDGING SHALL BE COLD ROLLED CHANNEL, MINIMUM 1.5" DEEP WITH 0.5625" FLANGE WIDTH. SPACE BRIDGING AT 4'-0" MAXIMUM O.C. VERTICALLY. DOUBLE UP STUDS AT ALL JAMBS. ALL CONNECTIONS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS. SPLICE IN FRAMING MEMBERS, OTHER THAN RUNNER TRACK SHALL NOT BE PERMITTED. ANCHOR RUNNER TRACK TO CONCRETE WITH X-U 0.157ax1.5" HILTI FASTENERS PER I.C.C.-E.S.R. #2269 AT 32" O.C. MAX.

WALL PARTITION INSULATION LEGEND:

WXY — 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
"F"	2 1/2" RIGID INSULATION TO 6" ABOVE FINISHED CEILING

STEEL STUD FRAMING:

CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR THIS WORK SIGNED BY A.P. ENG. LICENSED TO PRACTICE IN THE JURISDICTION OF THIS PROJECT. AT COMPLETION OF WORK, THIS P. ENG. TO CERTIFY CONSTRUCTION COMPLIANCE WITH THE SHOP DRAWINGS. G.C. TO SUBMIT DRAWINGS FOR ARCHITECT'S REVIEW PRIOR TO COMMENCEMENT OF WORK, TYPICAL.

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

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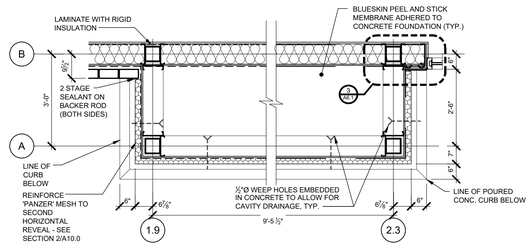
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1"
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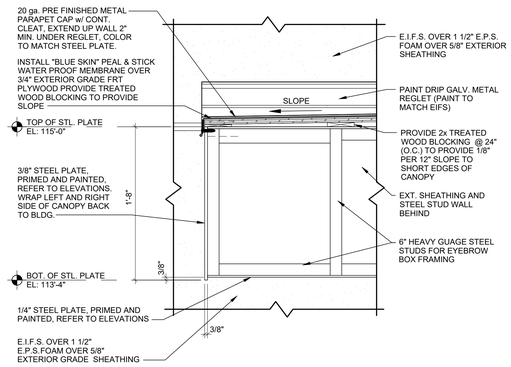
TITLE: **WALL TYPES**

SHEET NUMBER: **A9.0**



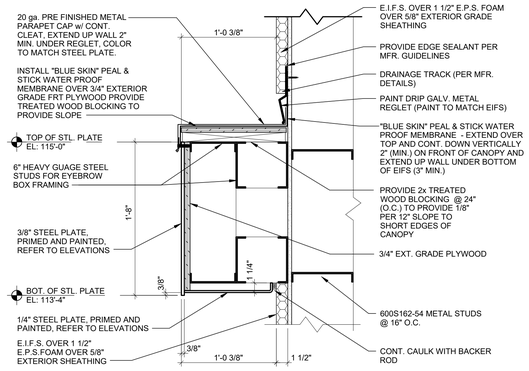
9 A10.0 PLAN DETAIL @ E.I.F.S

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



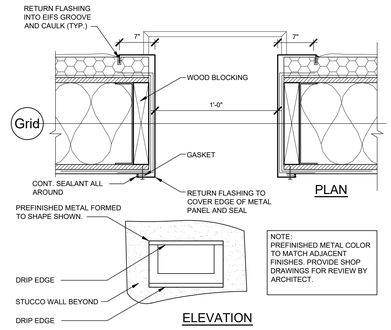
8 A10.0 DETAIL AT CANOPY

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



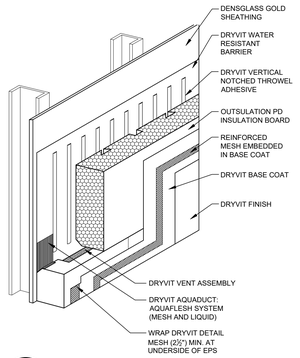
7 A10.0 DETAIL AT CANOPY

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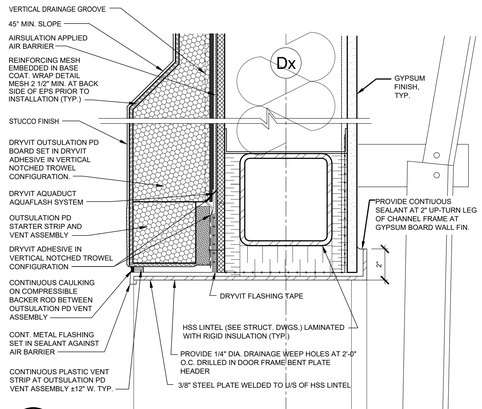
6 A10.0 SCUPPER OVERFLOW DETAILS

SCALE: 1" = 1'-0"



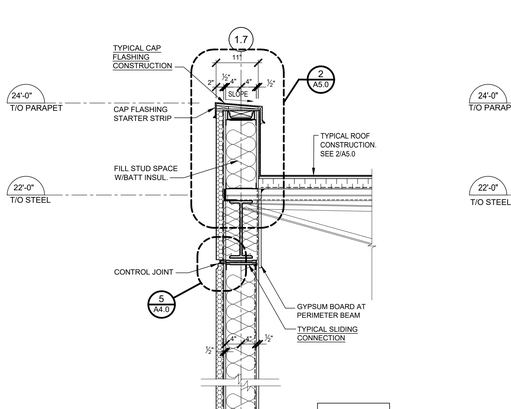
5C A10.0 E.I.F.S APPLICATION DETAIL

SCALE: 1" = 1'-0"



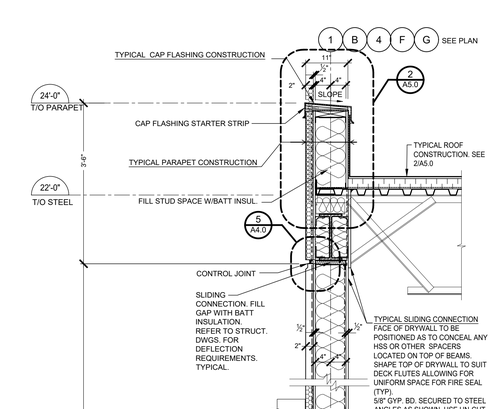
4C A10.0 PLAN DETAIL @ E.I.F.S.

SCALE: 3" = 1'-0"



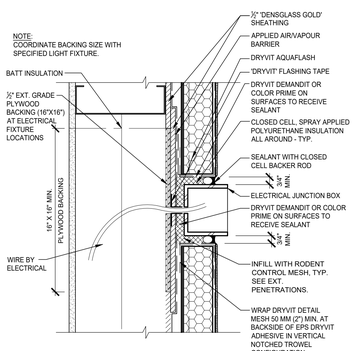
2 A10.0 WALL SECTION AT O/H DOOR

SCALE: 3/4" = 1'-0"



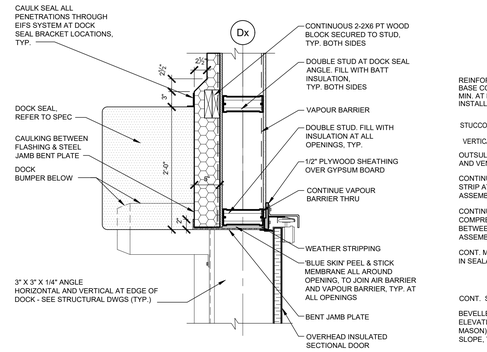
1 A10.0 WALL SECTION AT O/H DOOR

SCALE: 3/4" = 1'-0"



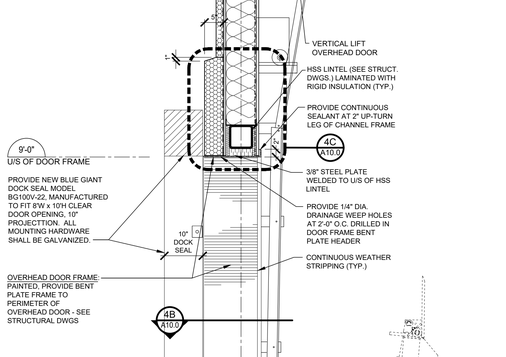
5B A10.0 ELECTRICAL JUNCTION BOX DETAIL

SCALE: 1" = 1'-0"



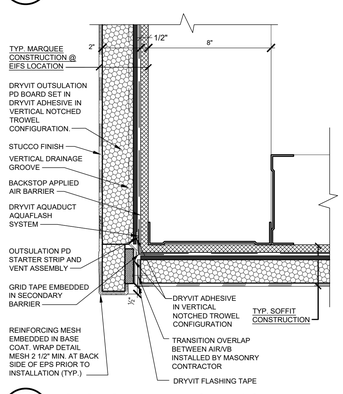
4B A10.0 SECTION DETAIL @ E.I.F.S.

SCALE: 1" = 1'-0"



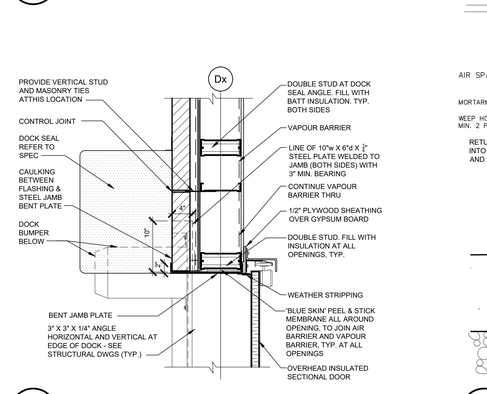
3 A10.0 SECTION AT WALL BASE

SCALE: 1" = 1'-0"



5A A10.0 SECTION DETAIL @ E.I.F.S.

SCALE: 3" = 1'-0"



4A A10.0 PLAN DETAIL @ MASONRY

SCALE: 1" = 1'-0"

CLIENT:
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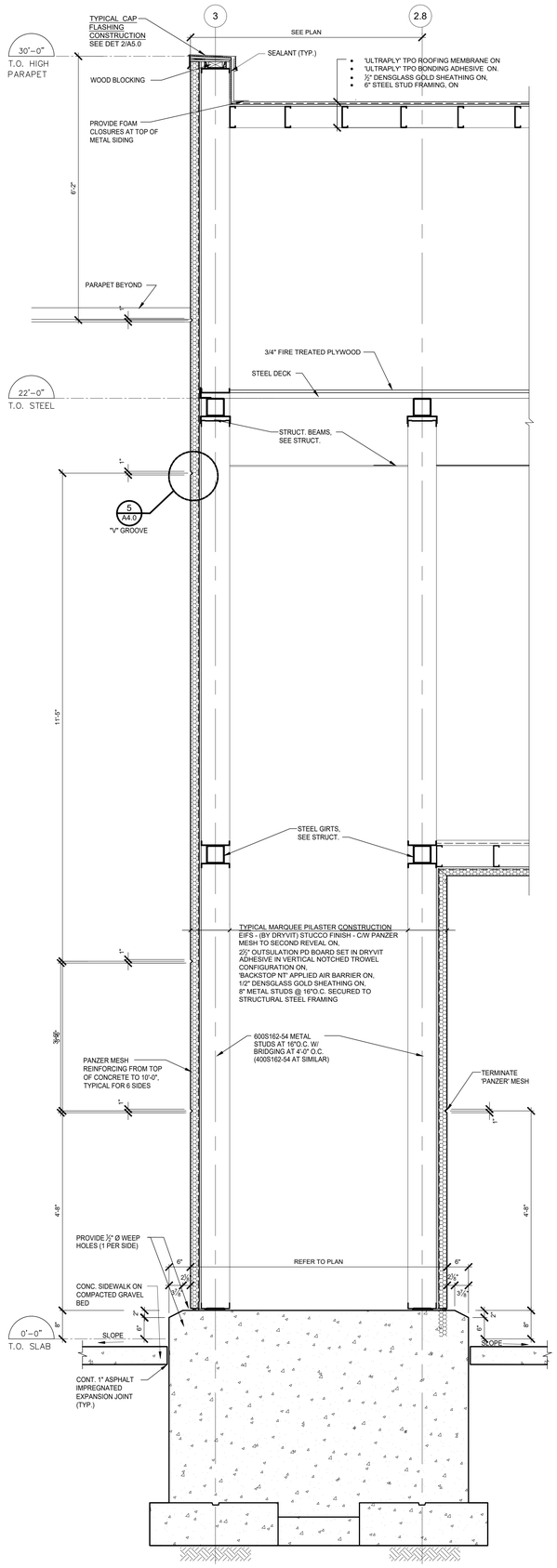
DISCIPLINE: ARCHITECTURAL

TITLE:

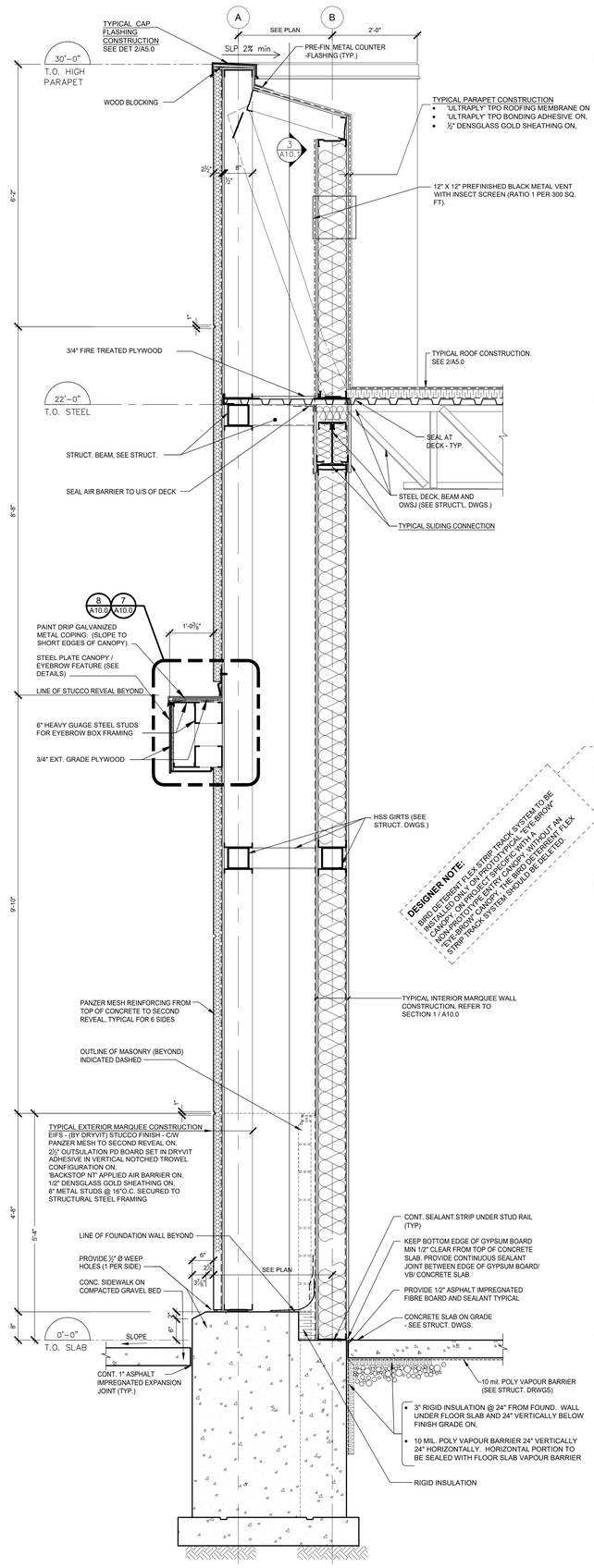
WALL SECTIONS AND DETAILS

SHEET NUMBER:

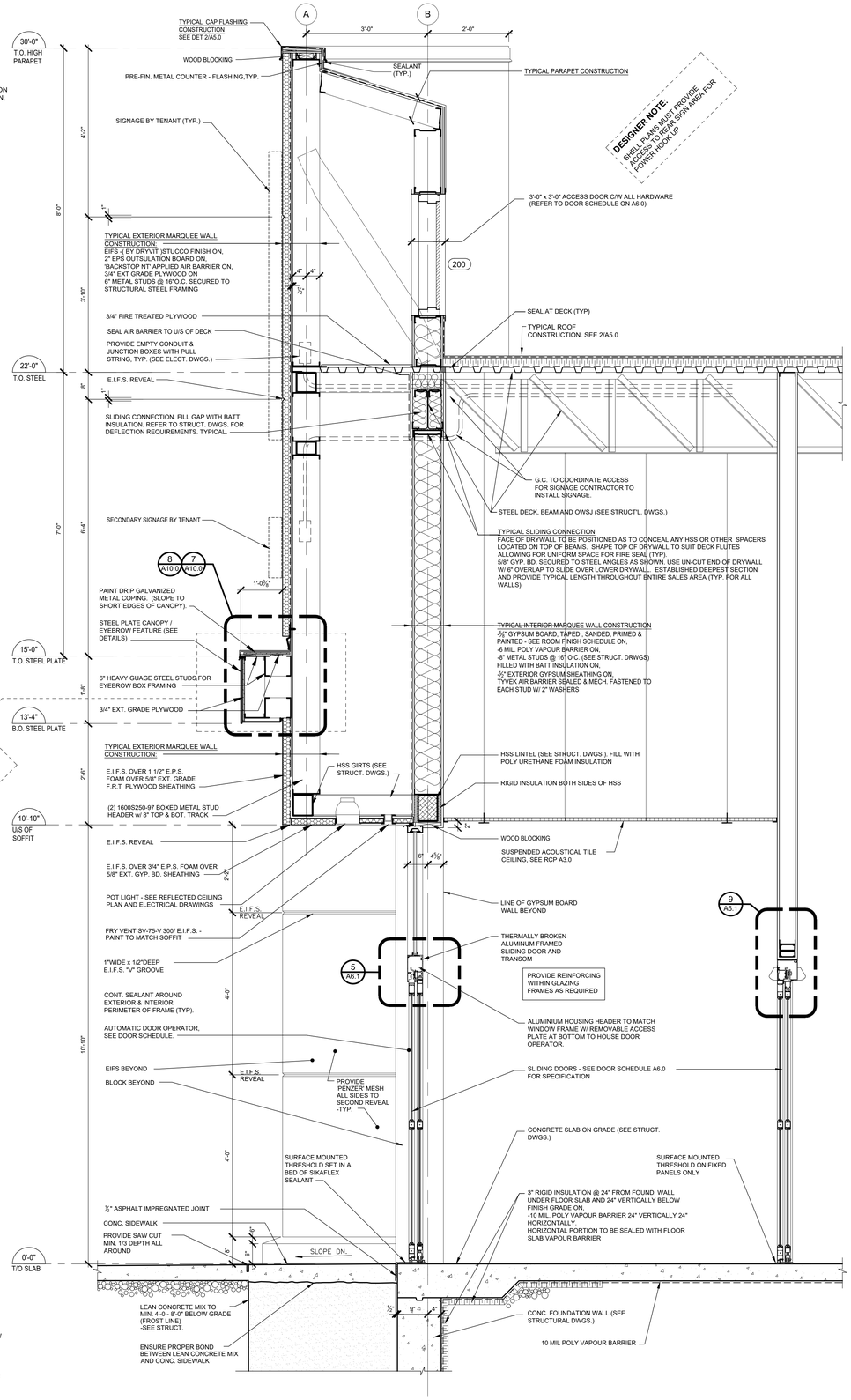
A10.0



3 A10.1 WALL SECTION
SCALE: 3/4" = 1'-0"



2 A10.1 WALL SECTION THROUGH PLASTER
SCALE: 3/4" = 1'-0"



1 A10.1 WALL SECTION THROUGH VESTIBULE
SCALE: 3/4" = 1'-0"

CLIENT:

PETSMART

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

CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: C40045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 23 OF: 53

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

1"

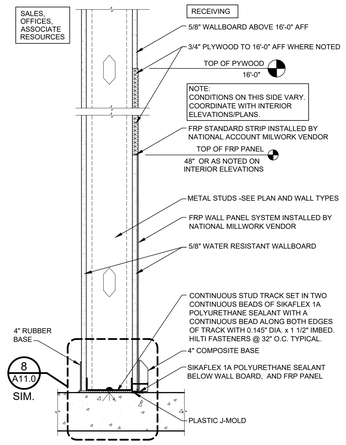
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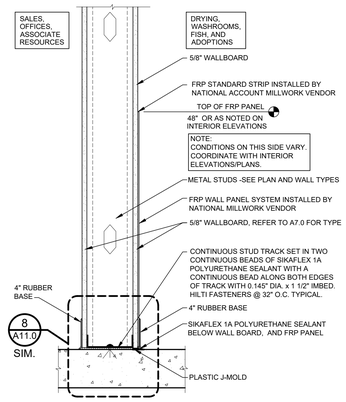
WALL SECTIONS

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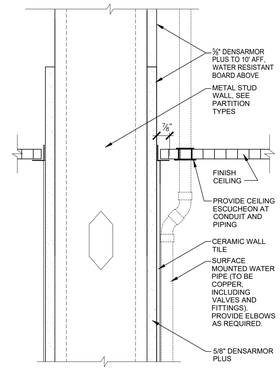
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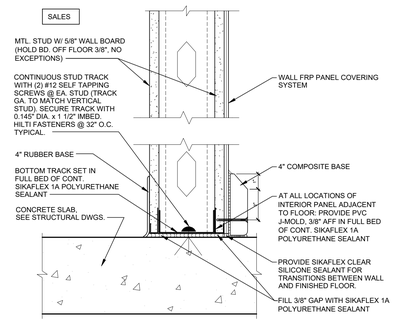
11 A11.0 WALL BASE AND TRIM DETAIL
SCALE: 1-1/2" = 1'-0"



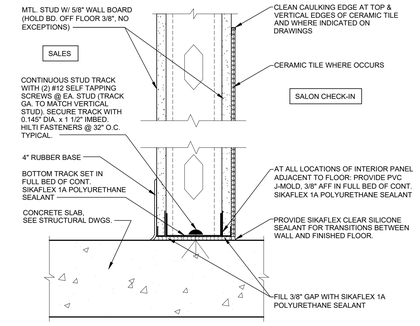
10 A11.0 WALL BASE AND TRIM DETAIL
SCALE: 1-1/2" = 1'-0"



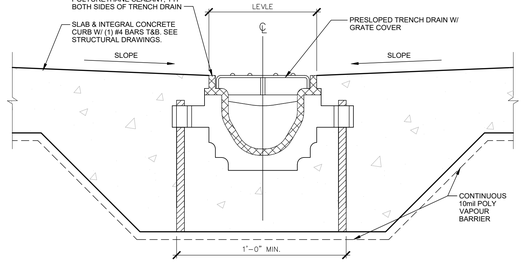
9 A11.0 BATHING ROOM CEILING DETAIL
SCALE: 3" = 1'-0"



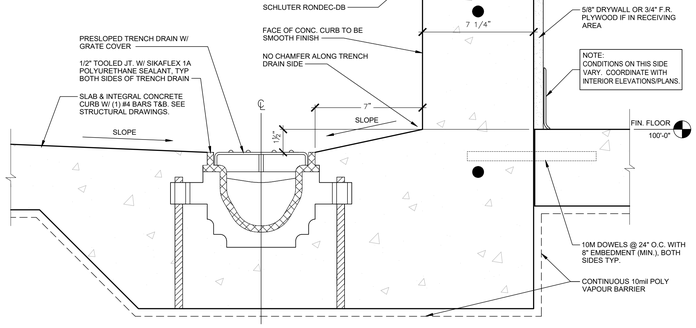
8 A11.0 DETAIL AT FRP WALL COVERING
SCALE: 3" = 1'-0"



7 A11.0 DETAIL AT CERAMIC WALL TILES
SCALE: 3" = 1'-0"

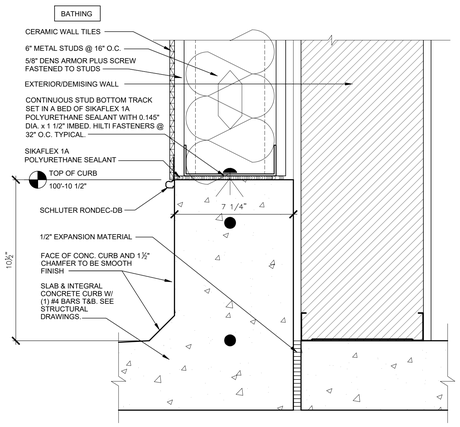


6 A11.0 DRYING ROOM TRENCH DRAIN DETAIL
SCALE: 3" = 1'-0"

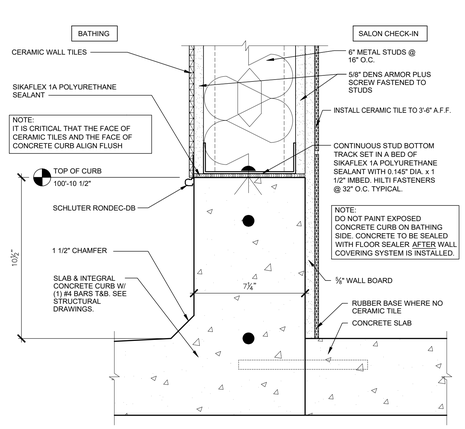


5 A11.0 BATHING TRENCH DRAIN DETAIL
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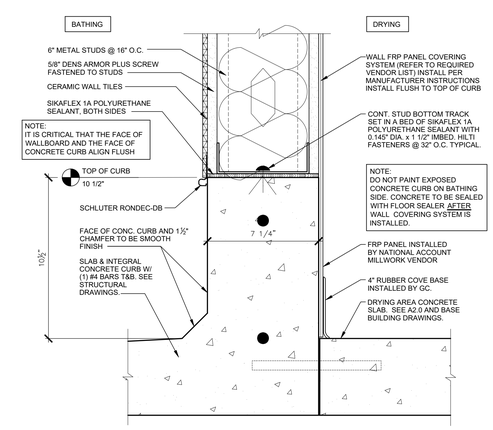
4 A11.0 NOT USED
SCALE: 3" = 1'-0"



3 A11.0 DETAIL AT BATHING CURB
SCALE: 3" = 1'-0"



2 A11.0 DETAIL AT BATHING CURB
SCALE: 3" = 1'-0"



1 A11.0 DETAIL AT BATHING CURB
SCALE: 3" = 1'-0"

CLIENT:

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ISSUED FOR:

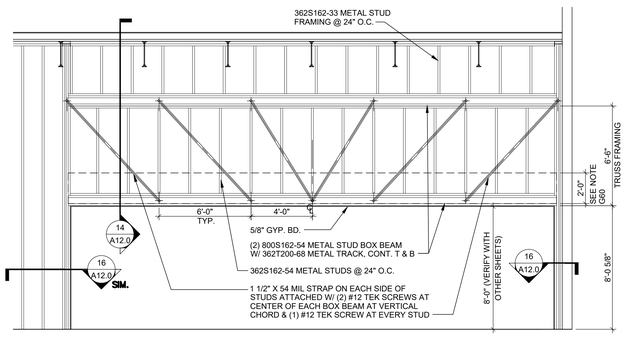
NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 24 OF: 53
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE. 1"

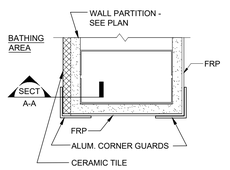
DISCIPLINE: ARCHITECTURAL

TITLE: **DETAILS**

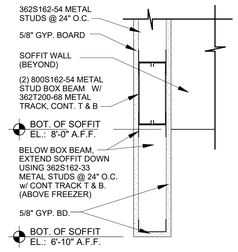
SHEET NUMBER: **A11.0**



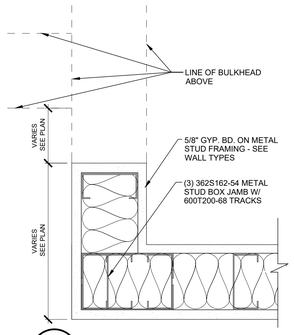
18 A12.0 FISH EQUIPMENT WALL
SCALE: 1/4" = 1'-0"



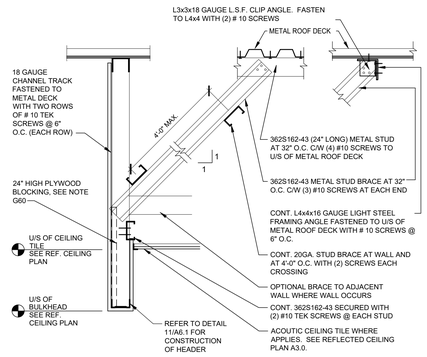
CORNER PLAN



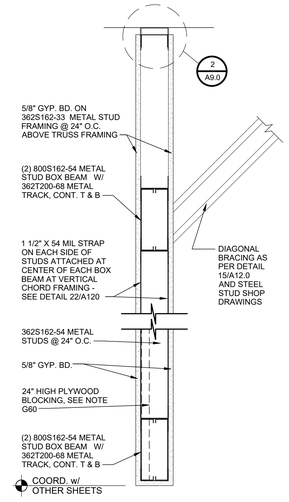
17 A12.0 FREEZER SOFFIT DETAIL
SCALE: 1-1/2" = 1'-0"



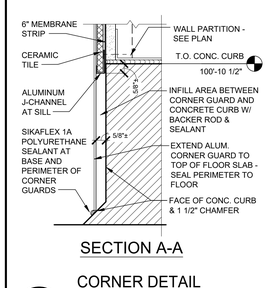
16 A12.0 FISH EQUIPMENT DETAIL
SCALE: 3" = 1'-0"



15 A12.0 STUD WALL BRACING
SCALE: 1" = 1'-0"

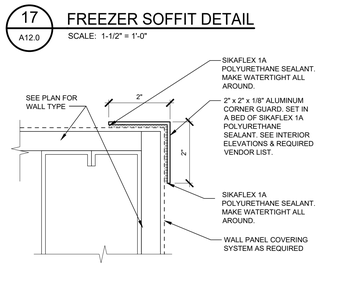


14 A12.0 FISH EQUIPMENT BULKHEAD
SCALE: 1-1/2" = 1'-0"

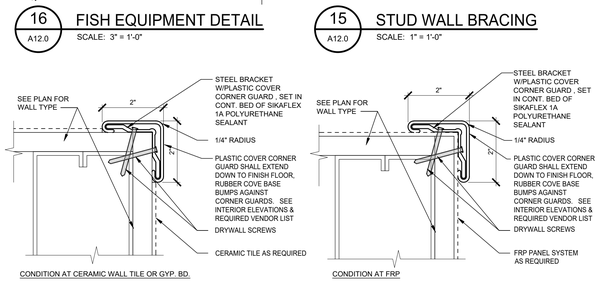


SECTION A-A

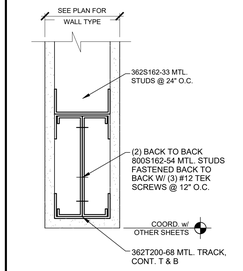
13 A12.0 CORNER DETAIL AT BATHING ENTRY
SCALE: 3" = 1'-0"



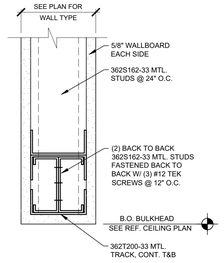
12 A12.0 ALUMINUM CORNER GUARD DETAIL
SCALE: 6" = 1'-0"



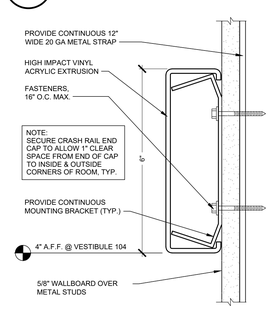
11 A12.0 PLASTER CORNER GUARD DETAIL
SCALE: 6" = 1'-0"



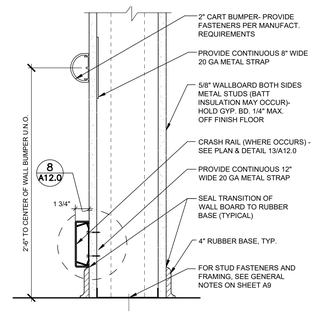
10 A12.0 BULKHEAD DETAIL
SCALE: 3" = 1'-0"



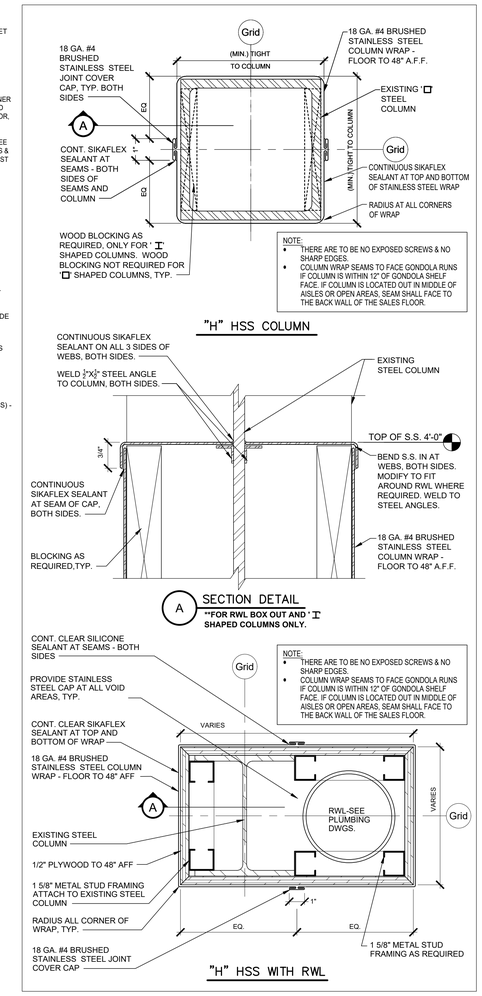
9 A12.0 BULKHEAD DETAIL
SCALE: 3" = 1'-0"



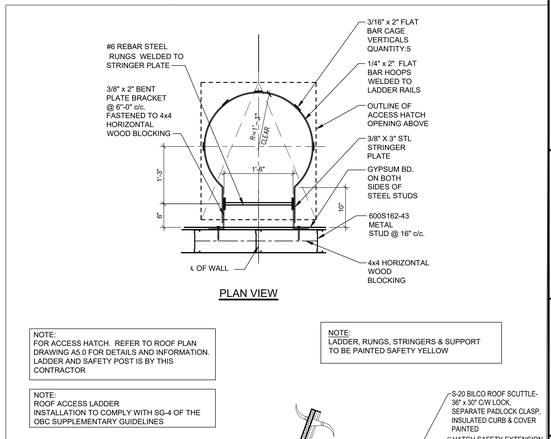
8 A12.0 CRASH RAIL
SCALE: 6" = 1'-0"



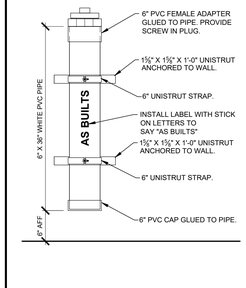
7 A12.0 WALL BUMPER GUARD
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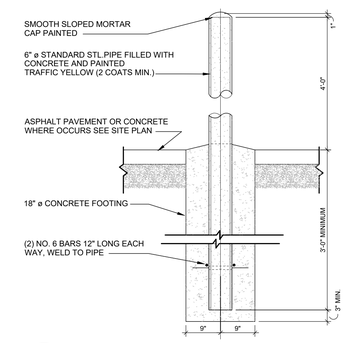
2 A12.0 COLUMN WRAP DETAILS
SCALE: 3" = 1'-0"



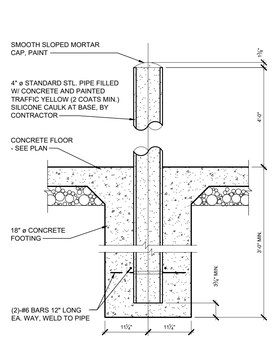
1 A12.0 ROOF LADDER SECTION
SCALE: 3/4" = 1'-0"



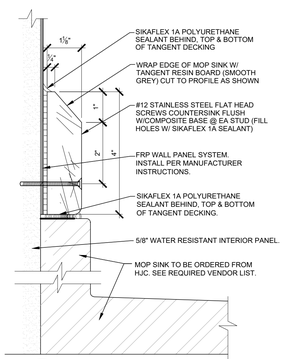
6 A12.0 AS-BUILT DRAWING TUBE
SCALE: 1" = 1'-0"



5 A12.0 EXTERIOR PIPE BOLLARD
SCALE: 3/4" = 1'-0"



4 A12.0 INT. PIPE BOLLARD
SCALE: 3/4" = 1'-0"



3 A12.0 MOP SINK DETAIL
SCALE: 6" = 1'-0"

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ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: C40045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 25 OF: 53
1"

DISCIPLINE: ARCHITECTURAL

TITLE:

DETAILS

SHEET NUMBER:

A12.0

GENERAL

1. THIS IS AN IMPERIAL PROJECT. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET AND INCHES. ALL FORCES ARE IN kips, UNLESS OTHERWISE NOTED.
2. "WSP-S" REFERS TO WSP CANADA STRUCTURAL CONSULTANT.
3. PRIOR TO CONSTRUCTION, REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH DRAWINGS PROVIDED BY ALL OTHER CONSULTANTS. CONFIRM ALL DIMENSIONS, ELEVATIONS AND HEADROOM CLEARANCES, AND COORDINATE ALL OPENINGS, SLEEVES AND EMBEDDED ITEMS.
4. REPORT ANY DISCREPANCIES OR CONFLICTS BEFORE PROCEEDING WITH THE WORK.
5. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION FROM WSP-S.
6. VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
7. USE THESE DRAWINGS ONLY FOR THE PURPOSE IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION".
8. DO NOT USE INFORMATION ON THESE DRAWINGS FOR ANY OTHER PROJECT OR WORKS.
9. DO NOT SCALE THESE DRAWINGS.
10. UNLESS OTHERWISE NOTED ON DRAWINGS. FOLLOW TYPICAL DETAILS SHOWN ON DRAWINS. TYPICAL DETAILS SHOW STRUCTURAL INTENT RATHER THAN ACTUAL CONDITIONS FOR THIS PROJECT. IF A TYPICAL DETAIL INCLUDES A CROSS REFERENCE TO ANOTHER TYPICAL DETAIL WHICH IS NOT INCLUDED IN THE DRAWING SET, THE CROSS REFERENCED DETAIL IS NOT APPLICABLE ON THIS PROJECTS.
11. ALL SECTIONS, DETAILS AND STATEMENTS NOTED AS "TYPICAL" APPLY TO LIKE / SIMILAR CONDITIONS IN THE STRUCTURE.
12. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED FIRE RATING, SPRAYED FIREPROOFING, INTUMESCENT PAINTING AND ALL OTHER MEASURES REQUIRED TO ACHIEVE IT.
13. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATERPROOFING, SEALERS, ETC.
14. REFER TO GEOTECHNICAL REPORT AND ARCHITECTURAL / CIVIL DRAWINGS AND SPECIFICATIONS FOR ALL SOIL WORKS.
15. DRAWINGS SHOW COMPLETED STRUCTURE ONLY. THEY DO NOT SHOW TEMPORARY WORKS FOR WHICH THE CONTRACTOR IS RESPONSIBLE AND WHICH MAY BE REQUIRED FOR EXECUTION OF THE PROJECT, INCLUDING TEMPORARY SHORING, BRACING, GUYS AND TIE DOWNS. THE CONTRACTOR TO ESTABLISH CONSTRUCTION PROCEDURE AND SEQUENCE TO ENSURE SAFETY OF THE WHOLE STRUCTURE AND ALL ITS COMPONENTS DURING ERECTION.
16. EXTENT OF ALL TEMPORARY SHORING FOR EXCAVATION WHICH MAY BE REQUIRED IS NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, CONTRACTOR TO DETERMINE. REFER TO SPECIFICATIONS FOR TEMPORARY SHORING REQUIREMENTS.
17. DESIGN OF ALL TEMPORARY WORKS TO BE CARRIED OUT BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN THE PLACE WHERE THE PROJECT IS LOCATED.
18. ANCHOR BOLTS AND OTHER EMBEDDED ITEMS ARE DESIGNED FOR LOADS ACTING ON THE COMPLETED STRUCTURE ONLY AND ARE NOT TO BE USED OR RELIED UPON FOR TEMPORARY SUPPORT OR BRACING DURING ERECTION UNLESS REVIEWED AND APPROVED BY THE CONTRACTOR'S ENGINEER RESPONSIBLE FOR THE ERECTION PROCEDURES.
19. CONSTRUCTION LOADS ON COMPLETED STRUCTURE NOT TO EXCEED DESIGN LOADS INDICATED ON DRAWINGS. FULL DESIGN LOADS MAY ONLY BE APPLIED AFTER THE CONCRETE REACHES ITS DESIGN STRENGTH.
20. UNLESS SHOWN ON STRUCTURAL DRAWINGS, DESIGN OF NON STRUCTURAL AND SECONDARY STRUCTURAL ELEMENTS AND THEIR CONNECTIONS TO THE PRIMARY BUILDING STRUCTURE ARE NOT WITHIN THE SCOPE OF SERVICES PROVIDED BY WSP-S. SUCH ELEMENTS INCLUDE (BUT ARE NOT LIMITED TO) THE FOLLOWING:
    1. MISCELLANEOUS STEEL ELEMENTS: STAIRS, RAILINGS, GUARDRAILS.
    2. PARTITIONS: MASONRY, GLASS, WOOD AND STEEL STUDS, PREFABRICATED PANELS
    3. BULKHEADS, SUSPENDED CEILINGS, INTERIOR AND EXTERIOR SIGNAGE.
    4. ARCHITECTURAL PRECAST, PRECAST STAIRS.
    5. EXTERIOR CLADDING: PRECAST PANELS, METAL WALL SYSTEMS, CURTAIN WALLS AND WINDOWS.
    6. MASONRY, STONE OR PRECAST VENEER CONNECTIONS TO BACKUP STRUCTURE.
    7. MODULAR ASSEMBLIES FOR THERMALLY BROKEN BALCONIES.
    8. SKYLIGHTS, SNOW FENCES, GUTTERS, ROOF ANCHORS, WINDOW WASHING SYSTEMS, CHIMNEYS AND STACKS.
    9. SUPPORTS FOR MECHANICAL AND ELECTRICAL EQUIPMENT: HANGERS, BRACES, POSTS, RACKS, SLEEPERS, SEISMIC RESTRAINTS, SUPPORT PLATFORMS AND PADS, SERVICE PLATFORMS.
    10. SUPPORTS AND SEISMIC RESTRAINTS FOR OTHER EQUIPMENT, SUCH AS MEDICAL AND SPORTS EQUIPMENT.
    11. STORAGE RACKS.
    12. LANDSCAPING ELEMENTS: WALLS, CURBS, BENCHES, PLANTERS, WATER FEATURES.
    13. LIGHT POLES, FLAG POLES, SIGNS AND THEIR FOUNDATIONS.

    WSP-S WILL NOT REVIEW DESIGN, DETAILING AND INSTALLATION OF THESE ELEMENTS, FOR WHICH SUPPLIERS AND / OR SPECIALTY PROFESSIONAL ENGINEERS ARE RESPONSIBLE; THE ONLY REVIEW PROVIDED (WHERE APPLICABLE) WILL BE FOR IMPACT ON THE BASE BUILDING STRUCTURE.
21. MAINTAIN A QUALITY CONTROL PLAN FOR STRUCTURAL WORK, AND MAKE IT AVAILABLE TO THE CONSULTANT UPON REQUEST. AT A MINIMUM, THE PLAN TO INCLUDE:
    1. NAMES OF PERSONNEL RESPONSIBLE FOR EXECUTION OF THE PLAN.
    2. MEANS AND METHODS FOR CONFIRMING MATERIAL COMPLIANCE WITH SPECIFICATIONS AND ASSOCIATED DOCUMENTATION PROCEDURES.
    3. PROGRAM FOR CONFIRMING AND DOCUMENTING COMPLIANCE WITH REQUIRED SUB-TRADE QUALIFICATIONS AND QUALIFICATIONS OF THEIR INDIVIDUAL EMPLOYEES AND SUB-CONTRACTORS.
    4. PROCEDURES FOR REVIEWING FIELD COMPLIANCE WITH CONSTRUCTION DOCUMENTS, INCLUDING DOCUMENTATION OF LOCATIONS REVIEWED, PHOTOGRAPHS TAKEN AND TIMING OF REVIEW. THE CONTRACTOR'S REVIEW TO BE COMPLETED PRIOR TO REVIEW BY THE CONSULTANT.
    5. PROCEDURES FOR RECTIFYING DEFICIENCIES NOTED BY THE CONTRACTOR, SUB-CONTRACTORS, CONSULTANTS AND INDEPENDENT INSPECTION AGENCIES.
22. FOR INSPECTION AND TESTING REQUIREMENTS, REFER TO SPECIFICATIONS.
23. IN CASE OF DISCREPANCY BETWEEN GENERAL NOTES, DRAWINGS AND SPECIFICATIONS, COMPLY WITH THE MOST STRINGENT REQUIREMENTS.

DESIGN DATA

1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2012 ONTARIO BUILDING CODE COMPENDIUM, NBC 2015 STRUCTURAL COMMENTARIES.
2. CONCRETE ELEMENTS ARE DESIGNED PER CSA A23.3-14- DESIGN OF CONCRETE STRUCTURES.
3. STEEL ELEMENTS ARE DESIGNED PER CSA S16-14 - LIMIT STATE DESIGN OF STEEL STRUCTURES.
4. COLD FORMED STEEL STRUCTURAL ELEMENTS ARE DESIGNED PER CSA S136-12- NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS.
5. MASONRY STRUCTURAL ELEMENTS ARE DESIGNED PER CSA S304-14 - DESIGN OF MASONRY STRUCTURES.
6. THE VALUES FOR CLIMATIC DATA USED IN THE DETERMINATION OF DESIGN LOADS HAVE BEEN OBTAINED FROM THE 2012 OBC FOR THE SPECIFIC LOCATION OF OTTAWA, ON.
7. BASED ON THE USE AND OCCUPANCY, THE BUILDING IS DESIGNED TO THE REQUIREMENTS OF A NORMAL IMPORTANCE CATEGORY .
8. SUPERIMPOSED DEAD LOADS (SDL) ARE NON-STRUCTURAL DEAD LOADS DUE TO NON-STRUCTURAL TOPPINGS, FINISHES, PARTITIONS, ROOFING MATERIALS, SUSPENDED EQUIPMENT, PAVERS, SOIL, ETC.
9. DEAD LOAD (DL) IS THE SELF WEIGHT OF THE STRUCTURE PLUS THE SUPERIMPOSED DEAD LOAD.
10. NET FACTORED UPLIFT LOADS ON ROOFS ARE SHOWN ON PLANS.
11. UNLESS OTHERWISE NOTED, DESIGN LOADS SHOWN ON DRAWINGS ARE SPECIFIED (UNFACTORED) LOADS, TO BE USED FOR ULS DESIGN. FOR SLS DESIGN, THESE LOADS CAN BE REDUCED BY MULTIPLYING WITH THE RATIO OF APPROPRIATE IMPORTANCE FACTORS Iw(SLS) / Iw(ULS) GIVEN BELOW.
12. IF ONLY ONE VALUE IS GIVEN FOR A POINT LOAD, CONSIDER IT LIVE LOAD.
13. FOR CONNECTION LOADS, "+" SIGN INDICATES TENSION AND "-" SIGN INDICATES COMPRESSION, EXCEPT FOR COLUMN LOADS WHERE "+" SIGN INDICATES COMPRESSION AND "-" SIGN INDICATES TENSION.
14. SNOW:
    Ss = 2.4 kPa Sr =0.4 kPa Is (ULS) = 1.0 Is (SLS) = 0.9
15. RAIN:
    ONE DAY RAINFALL, 1/50 =86 mm
16. WIND:
    q =0.41 kPa (1 IN 50) Iw (ULS) =1.0 Iw (SLS) = 0.75
    BUILDING IS: LOW RISE
    TERRAIN TYPE: OPEN
17. SEISMIC:
    Sa(0.2) = 0.439 PGA = 0.281 IeFaSa(0.2) = 0.500
    Sa(0.5) = 0.237 PGV = 0.196
    Sa(1.0) = 0.118 Rd = 1.5 SITE CLASSIFICATION = D
    Sa(2.0) = 0.056 Ro = 1.3
    Sa(5.0) = 0.015 Ie = 1.0
    Sa(10.0) = 0.0055

EXCAVATION, BACKFILL AND COMPACTION

1. REFER TO GEOTECHNICAL REPORT FOR ALL EXCAVATION, BACKFILL AND COMPACTION REQUIREMENTS.
2. VERIFY GEOTECHNICAL INFORMATION ON SITE AND OBTAIN ADDITIONAL DATA IF REQUIRED.
3. PRIOR TO COMMENCING EXCAVATION, LOCATE AND IDENTIFY ALL EXISTING UNDERGROUND STRUCTURES AND SERVICES.
4. MAINTAIN STRUCTURES AND SERVICES WHICH ARE TO REMAIN OPERATIONAL OR WHICH WILL BE RE-USED. DESIGN AND PROVIDE PROTECTION AND SUPPORT. WHERE REQUIRED, OBTAIN APPROVAL FROM THE AUTHORITIES HAVING JURISDICTION AND DIVERT OR RELOCATE EXISTING SERVICES. REMOVE ALL OTHER STRUCTURES AND SERVICES.
5. ESTABLISH LINES OF EXCAVATION AS REQUIRED NOT TO EXCEED MAXIMUM SLOPE OF EXCAVATION GIVEN IN THE GEOTECHNICAL REPORT, REFER TO TYPICAL DETAIL TC-FDN-41. ANY DEVIATIONS FROM THIS DETAIL TO BE APPROVED BY THE GEOTECHNICAL CONSULTANT AND WSP-S.
6. DESIGN AND PROVIDE SHORING AND BRACING FOR EXCAVATION WHERE NECESSARY.
7. EXCAVATE TO EXPOSE NATIVE UNDISTURBED SOIL, AND TO ALLOW FOR MINIMUM COMPACTED BACKFILL AND CONSTRUCTION CLEARANCES AS REQUIRED. REMOVE ALL TOPSOIL, LOOSE FILL, DEBRIS, SOFT SPOTS AND ORGANIC MATERIALS.
8. DIG TRENCHES FOR MECHANICAL AND ELECTRICAL SERVICES TO PROVIDE UNIFORM CONTINUOUS BEARING AND SUPPORT BEDDING MATERIAL ON UNDISTURBED SOIL. REFER TO MECHANICAL, ELECTRICAL AND CIVIL DRAWINGS FOR TRENCH CONSTRUCTION DETAILS. AT A MINIMUM, FILL TRENCHES WITH SAND TO 300 (12") ABOVE PIPES OR CONDUITS.
9. LEGALLY DISPOSE OF ALL EXCAVATED MATERIALS, OR STORE ON SITE FOR BACKFILLING OPERATIONS IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS AND PROJECT SPECIFICATIONS.
10. PROTECT BOTTOM OF EXCAVATION FROM EXCESSIVE MOISTURE. USE GRANULAR FILL OR LEAN CONCRETE (MUD SLAB) AS RECOMMENDED IN THE GEOTECHNICAL REPORT. SLOPE FOR DRAINAGE. PROVIDE DRAINAGE TRENCHES AND PITS AND PUMP OUT WATER AS REQUIRED.
11. GEOTECHNICAL ENGINEER TO REVIEW AND APPROVE ALL EXCAVATIONS BEFORE BACKFILLING OR PLACING CONCRETE.
12. UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT, BACKFILLING MATERIALS TO BE AS FOLLOWS:
    - TYPE 1 (CLASS A) BACKFILLS: CRUSHED STONE WITH PARTICLE SIZE RANGING FROM 0 TO 20 (0" TO 3/4").
    - TYPE 2 (CLASS B) BACKFILLS: CRUSHED STONE OR NATURAL SANDS WITH PARTICLE SIZE RANGING FROM 0 TO 5 (0" TO 3/16").
    - TYPE 3 BACKFILLS: MATERIALS CHOSEN FROM RECYCLED EXCAVATED MATERIALS OR IMPORTED SOILS APPROVED BY THE GEOTECHNICAL CONSULTANT WITH NO PARTICLES LARGER THAN 75 (3").
13. ALL BACKFILLING MATERIALS TO BE SOUND AND CLEAN, FREE FROM DEBRIS, ORGANIC AND FROZEN MATTER, WITH NO REACTIVE MINERALS NOR FRIABLE MATERIALS WITH SWELLING POTENTIAL.
14. UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT, PLACE BACKFILLING MATERIALS AS FOLLOWS:
    - INFRASTRUCTURE (GRANULAR BASE): TYPE 1 (CLASS A) BACKFILL; MINIMUM THICKNESS UNDER INTERIOR SLAB ON GRADE - 200 (8"), UNDER EXTERIOR SLAB ON GRADE - 300 (12").
    - INTERIOR SLAB ON GRADE: TYPE 2 (CLASS B) BACKFILL TO U/S OF INFRASTRUCTURE (GRANULAR BASE).
    - SIDEWALKS: NON FROST SUSCEPTIBLE TYPE 1 (CLASS A) OR TYPE 2 (CLASS B) BACKFILL TO U/S OF INFRASTRUCTURE (GRANULAR BASE); SEE ALSO CIVIL AND LANDSCAPING DRAWINGS.
    - EXTERIOR LANDSCAPED AREAS: TYPE 3 BACKFILL TO U/S OF TOPSOIL; SEE ALSO ARCHITECTURAL AND LANDSCAPING DRAWINGS.
15. GEOTECHNICAL ENGINEER TO REVIEW AND APPROVE ALL BACKFILLING MATERIALS.
16. UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT, BACKFILL TO GRADES INDICATED IN LIFTS NOT EXCEEDING 300(12"), EXCEPT THAT LIFTS FOR INFRASTRUCTURE (GRANULAR BASE) SHOULD NOT EXCEED 150(6"). USE MECHANICAL COMPACTION EQUIPMENT. DO NOT PLACE BACKFILL OVER FROZEN SOIL.
17. USE ONLY LIGHT, HAND-OPERATED EQUIPMENT FOR COMPACTION ADJACENT TO BASEMENT WALLS AND RETAINING WALLS. DO NOT BACKFILL UNTIL ELEMENTS PROVIDING LATERAL SUPPORT, INCLUDING SLABS ON GRADE AND ALL SUSPENDED LEVELS, ARE COMPLETED AND CONCRETE HAS REACHED 75% OF ITS DESIGN STRENGTH. FOR ELEMENTS THAT ARE TO BE BACKFILLED ON BOTH SIDES, PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES SUCH THAT HEIGHTS DO NOT VARY BY MORE THAN 500 (1'-8") FROM ONE SIDE TO THE OTHER.
18. MAINTAIN MOISTURE CONTENT IN BACKFILLING MATERIAL AS REQUIRED TO ACHIEVE THE SPECIFIED COMPACTION. PROTECT FROM EXCESSIVE MOISTURE DURING AND AFTER THE BACKFILLING OPERATION.
19. UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT, COMPACT BACKFILL TO ACHIEVE THE FOLLOWING STANDARD PROCTOR MAXIMUM DRY DENSITIES:
    - BELOW SLAB ON GRADE: 98%
    - BELOW PAVEMENT AND SIDEWALKS: 95%
    - BELOW LANDSCAPED AREAS: 90%
20. AN INDEPENDENT INSPECTION AND TESTING AGENCY TO MONITOR COMPACTION AND CONDUCT DENSITY TESTING DURING INSTALLATION OF ALL GRANULAR MATERIALS.

CAST-IN-PLACE CONCRETE

1. CONCRETE IS SPECIFIED PER ALTERNATIVE 1 - PERFORMANCE SPECIFICATION, AS OUTLINED IN CSA A23.1. THE CONTRACTOR AND THE CONCRETE SUPPLIER TO MEET ALL CERTIFICATION, DOCUMENTATION, AND QUALITY CONTROL REQUIREMENTS.
2. CONTRACTOR AND CONCRETE SUPPLIER TO ENSURE THAT PLASTIC AND HARDENED MIX PROPERTIES MEET SITE REQUIREMENTS FOR PLACING, FINISHING AND THE SPECIFIED PERFORMANCE REQUIREMENTS.
3. CONCRETE SUPPLIER TO BE CERTIFIED BY THE READY MIXED CONCRETE ASSOCIATION OF ONTARIO.
4. CEMENT TO BE PORTLAND CEMENT TYPE GU UNLESS NOTED OTHERWISE OR REQUIRED BY EXPOSURE CLASS.
5. CONCRETE TO BE NORMAL DENSITY (MIN. 2300 kg/m3) UNLESS NOTED OTHERWISE.
6. NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE TO BE 20 (3/4") UNLESS NOTED OTHERWISE.
7. UNLESS NOTED OTHERWISE, CONCRETE TO BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

ELEMENT	COMPRESSIVE STRENGTH (MPa) AT 28 DAYS (SEE NOTE #3 BELOW)	EXPOSURE CLASS	SPECIAL REQUIREMENTS & REMARKS
CAISSON	25	N	
PIERS & PILASTERS	25	F2	
EXTERIOR GRADE BEAMS	25	F2	
INTERIOR GRADE BEAMS	25	N	
SLAB-ON-GRADE, TRENCHES (INTERIOR)	25	N	FOR SLABS 125 (5") AND THICKER, NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE 40 (1-1/2"). CONCRETE COVER NOT TO BE LESS THAN 40 (1-1/2"). AT RESILIENT FINISHES, USE W/CM <0.45.
SLAB-ON-GRADE, TRENCHES (UNHEATED VEHICLE ACCESSIBLE AREAS), SIDEWALKS, FROST SLABS	32	C2	FOR SLABS 125 (5") AND THICKER, NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE 40 (1-1/2") CONCRETE COVER NOT TO BE LESS THAN 60 (2-3/8")
LEAN CONCRETE, MUDSLABS	10	N	

NOTES:
1. WHERE EXPOSURE CLASS IS NOTED "N / F2", USE "F-2" EXPOSURE CLASS FOR PERIMETER AND EXTERIOR NON-INSULATED ELEMENTS ABOVE THE FROST LINE, AND FOR ELEMENTS IN INTERIOR UNHEATED SPACES, WHICH ARE SUSCEPTIBLE TO FREEZING. USE "N" EXPOSURE CLASS FOR ELEMENTS PROTECTED FROM FREEZING.
2. LIMIT NOMINAL MAXIMUM AGGREGATE SIZE TO 10 (3/8") FOR COLUMNS WITH SMALLEST DIMENSION LESS THAN 300 (12") AND FOR WALLS LESS THAN 200 (8") THICK
3. WHERE HVSCM (AS DEFINED IN CSA A23.1) OR ANY CLASS "S" EXPOSURE CONCRETE IS USED, SPECIFIED CONCRETE STRENGTH TO BE ATTAINED AT 56, RATHER THAN AT 28 DAY.
4. MINIMUM DOSAGE OF CORROSION INHIBITOR IS 10L/m3 OF 30% SOLUTION OF CALCIUM NITRITE, AS PER CSA-S413.

8. REFER TO CSA A23.1 FOR THE MAXIMUM WATER/CEMENT RATIO, MINIMUM COMPRESSIVE STRENGTH, AIR CONTENT, CURING REQUIREMENTS, CHLORIDE ION PENETRABILITY AND ALTERNATE CEMENT TYPES TO MEET THE REQUIREMENTS FOR THE NOTED EXPOSURE CLASS.
9. WHERE REQUIRED BY SPECIFICATIONS, PROVIDE MINIMUM AMOUNT OF SUPPLEMENTAL CEMENTING MATERIALS SPECIFIED FOR THE OVERALL PROJECT.
10. CONVEY CONCRETE FROM TRUCK TO FINAL LOCATION BY METHODS WHICH WILL PREVENT SEPARATION OR LOSS OF MATERIAL. MAXIMUM FREE FALL NOT TO EXCEED 1.5m (5'-0"). CONSOLIDATE CONCRETE USING MECHANICAL VIBRATORS.
11. PLACE CONCRETE AS CLOSE AS POSSIBLE TO FINAL LOCATION TO AVOID SEGREGATION. VIBRATE ALL CONCRETE.
12. PROTECT CONCRETE FROM FREEZING. DO NOT PLACE CONCRETE AGAINST FROZEN GROUND. USE COLD WEATHER CONCRETING METHODS IN ACCORDANCE WITH CSA-A23.1.
13. PROTECT CONCRETE FROM EXCESSIVE HEAT AND DRYING. USE HOT WEATHER CONCRETING METHODS IN ACCORDANCE WITH CSA-A23.1.
14. PROVIDE PENETRATING SEALER AT COLUMNS AND WALLS IN VEHICLE ACCESSIBLE AREAS IN ACCORDANCE WITH TYPICAL DETAILS.
15. SLABS AND BEAMS
    1. SURVEY TOP OF FORMWORK / SLAB ELEVATIONS AT SUPPORTS, AT MIDSPAN BETWEEN SUPPORTS, AT CENTERS OF BAYS, AND AT CANTILEVERED ENDS AT THE FOLLOWING TIMES:
        - BEFORE CONCRETE PLACEMENT
        - AFTER CONCRETE PLACEMENT BUT PRIOR TO REMOVAL OF SUPPORTING FALSEWORK
        - AFTER REMOVAL OF SUPPORTING FALSEWORK.

        SUBMIT SURVEY DATA FOR ENGINEER'S RECORD.
    2. DO NOT USE STEEL TROWEL TO FINISH AIR-ENTRAINED CONCRETE.
    3. PROVIDE MINIMUM 150 (6") BEARING ON MASONRY WALLS.
    4. FOR SLABS-ON-GRADE OR UNBONDED CONCRETE TOPPINGS, LOCATE ALL CONDUITS, PIPES, OR HEATING CABLES EMBEDDED IN CONCRETE CLEAR OF THE TOP ONE THIRD OF THE SLAB THICKNESS TO AVOID DAMAGE DURING SAWCUTTING.
16. CONSTRUCTION & CONTROL JOINTS
    1. PROVIDE JOINTS WHERE SPECIFIED OR SHOWN ON DRAWINGS. LOCATE SO AS NOT TO IMPAIR THE REQUIRED STRENGTH OF THE STRUCTURE. SUBMIT JOINT LAYOUT FOR WSP-S REVIEW AND APPROVAL A MINIMUM OF 2 WEEKS PRIOR TO POURING CONCRETE. REFER TO TYPICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
    2. UNLESS OTHERWISE NOTED, PROVIDE STANDARD CONTINUOUS 38 x 89 (2x4) FORMED KEYS AT ALL CONSTRUCTION JOINTS. CENTER AT JOINTS AND CHAMFER SIDES.
    3. IF A SPECIFIC CONSTRUCTION JOINT DETAIL IS SHOWN ON DRAWINGS, IT CAN NOT BE SUBSTITUTED BY ANY ALTERNATIVE CONSTRUCTION JOINT DETAIL.
    4. HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE WALLS (OTHER THAN AT UNDERSIDE OF SLABS) ARE NOT PERMITTED, EXCEPT WHERE SHOWN ON THESE DRAWINGS.
    5. NON-STRUCTURAL SLABS ON GRADE AND UNBONDED TOPPINGS: UNLESS NOTED OTHERWISE, PROVIDE CONSTRUCTION JOINTS AT 30m (100ft) MAXIMUM IN BOTH DIRECTIONS, WITH CONTROL JOINTS (SAWCUT JOINTS) IN BETWEEN AT 25 TIMES THE SLAB THICKNESS, BUT NOT MORE THAN 5m (15ft). LONGER DIMENSION OF ANY SOG SEGMENT CREATED BY CONSTRUCTION AND CONTROL JOINTS NOT TO EXCEED 1.25 TIMES THE SHORTER DIMENSION OF THE SEGMENT. CONSIDER SLAB DEPRESSIONS AND PITS WHEN PROPOSING LAYOUT, AND SHOW ON LAYOUT DRAWINGS. COMPLETE SAWCUTTING WITHIN 6 TO 18 HOURS OF PLACING CONCRETE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
    6. DO NOT SAWCUT STRUCTURAL SLAB ON GRADE; PROVIDE CONSTRUCTION JOINTS AS DESCRIBED FOR FORMED SLABS.
    7. BONDED TOPPING: JOINTS TO MATCH LOCATIONS OF THOSE IN BASE SLAB.
    8. EXTERIOR RETAINING WALLS: PROVIDE VERTICAL CONTROL JOINTS AT 5m (16ft) MAXIMUM, WITH KEYED EXPANSION JOINTS AT 15m (50ft) MAXIMUM.
    9. OTHER WALLS IN UNHEATED AREAS: PROVIDE VERTICAL CONSTRUCTION JOINTS AT 30m (100ft) MAXIMUM, AND CONTROL JOINTS AT 5m (16ft) MAXIMUM, LOCATE CONTROL JOINTS NOT MORE THAN 2.5m (8ft) FROM EACH SIDE OF CONSTRUCTION JOINTS AND ANY WALL CORNER.

CONCRETE REINFORCEMENT

1. REINFORCEMENT TO CONFORM TO THE FOLLOWING STANDARDS:

   DEFORMED BARS - CSA G30.18, GRADE 400R OR 400W

   WELDED WIRE FABRIC - ASTM A1064/A1064M, YIELD STRENGTH 450 MPA, SUPPLIED IN FLAT SHEETS ONLY.
2. ALL REINFORCING BAR SIZES ARE METRIC; "M" IS NOT NECESSARILY MARKED AFTER A BAR SIZE. FOR EXAMPLE, 10-15B NOTED ON PLAN INDICATES 10 BARS OF 15M DIAMETER, PLACED AT BOTTOM.
3. ALL REBAR HOOKS TO BE STANDARD LENGTH 90° OR 180° HOOKS. REBAR LENGTHS LISTED ON DRAWINGS DO NOT INCLUDE THE HOOK LENGTH.
4. UNLESS A SPECIFIC STIRRUP SHAPE IS INDICATED ON PLANS OR SCHEDULES, ALL STIRRUPS TO BE CLOSED HOOPS.
5. WHERE TWO BARS OF DIFFERENT SIZE ARE LAPPED IN TENSION, SPLICE LENGTH TO BE EQUAL TO THE SMALLER BAR'S TENSION LAP SPLICE, OR TO THE LARGER BAR'S TENSION DEVELOPMENT LENGTH, WHICHEVER IS LONGER.
6. WHERE TWO BARS OF DIFFERENT SIZE ARE LAPPED IN COMPRESSION, SPLICE LENGTH TO BE EQUAL TO THE SMALLER BAR'S COMPRESSION LAP SPLICE, OR TO THE LARGER BAR'S COMPRESSION DEVELOPMENT LENGTH, WHICHEVER IS LONGER.
7. FOR BUNDLED BARS, FULLY STAGGER SPLICES OF EACH INDIVIDUAL BAR IN THE BUNDLE.
8. LAP WELDED WIRE FABRIC SHEETS BY ONE SPACING OF CROSS WIRES + 50 (2"), MEASURED BETWEEN THE OUTERMOST CROSS WIRES IN EACH SHEET.
9. PROVIDE ADDITIONAL SUPPORT BARS AS REQUIRED TO ADEQUATELY SUPPORT AND SECURE ALL REINFORCEMENT AND PREVENT MOVEMENT WHEN PLACING CONCRETE.
10. PROVIDE SUFFICIENT CHAIRS TO REINFORCING TO MAINTAIN SPECIFIED CONCRETE COVER.
11. PLACE WELDED WIRE FABRIC IN SLABS ON GRADE AT 1/3 SLAB THICKNESS BELOW TOP OF SLAB. PROVIDE ADEQUATE CHAIRS TO KEEP IN SPECIFIED POSITION. LIFTING WWF AFTER CONCRETE IS POURED TO BRING IT IN POSITION IS NOT ACCEPTABLE.
12. ALL REINFORCING TO BE CLEAN, FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER FOREIGN COATING THAT AFFECT BONDING CAPACITY.
13. MINIMUM CLEAR SPACING BETWEEN ADJACENT BARS TO BE AT LEAST 1.4 TIMES THE BAR DIAMETER OR 1.4 TIMES THE NOMINAL MAXIMUM SIZE OF THE COARSE AGGREGATE, WHICHEVER IS MORE.
14. WHERE PARALLEL REINFORCEMENT IS PLACED IN TWO OR MORE LAYERS, POSITION BARS IN UPPER LAYER DIRECTLY ABOVE THE BARS IN LOWER LAYER, MAINTAINING THE MINIMUM CLEAR SPACING BETWEEN LAYERS AS SPECIFIED ABOVE.
15. UNLESS NOTED OTHERWISE ON DRAWINGS MINIMUM CONCRETE COVER TO PRINCIPAL REINFORCEMENT TO BE AS FOLLOWS (ALSO REFER TO TYPICAL DETAIL TC-RENF-21):

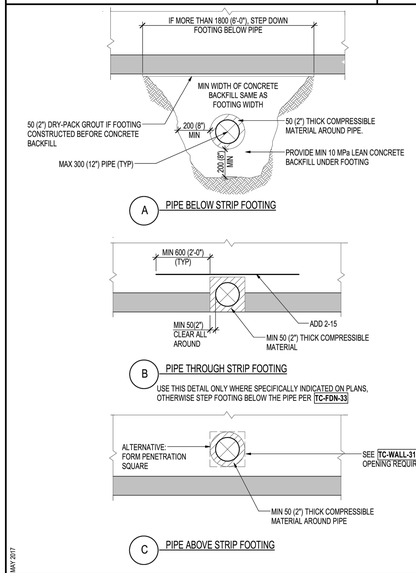
	NOT EXPOSED TO VEHICLE TRAFFIC		EXPOSED TO VEHICLE TRAFFIC
ELEMENT	PROTECTED	EXPOSED	
FOOTINGS, RAFT FOUNDATIONS, PILES, PILE CAPS REINFORCED AS FOOTINGS	--	TOP BARS: ≤ 25M: 40 (1-5/8") 30M: 45 (1-3/4") 35M: 55 (2-1/8") BARS AT SURFACES CAST AGAINST FORMWORK/MUD SLAB: SAME AS TOP BARS BARS AT SURFACES CAST AGAINST EARTH: 75 (3")	TOP BARS: 60 (2-3/8") BARS AT SURFACES CAST AGAINST FORMWORK/MUD SLAB: SAME AS TOP BARS BARS AT SURFACES CAST AGAINST EARTH: 75 (3")
PIERS, PILE CAPS REINFORCED AS COLUMNS	--	≤ 25M: 55 (2-1/8") 30M: 60 (2-3/8") 35M: 70 (2-3/4") IF EXPOSED TO CHLORIDES: ≤ 35M: 75 (3") BARS AT SURFACES CAST AGAINST EARTH: NOT LESS THAN 90 (3-1/2")	≤ 25M: 55 (2-1/8") 30M: 60 (2-3/8") 35M: 70 (2-3/4") BARS AT SURFACES CAST AGAINST EARTH: NOT LESS THAN 90 (3-1/2")
GRADE BEAMS	-	≤ 25M: 55 (2-1/8") 30M: 60 (2-3/8") 35M: 70 (2-3/4") IF EXPOSED TO CHLORIDES: ≤ 35M: 75 (3") BARS AT SURFACES CAST AGAINST EARTH: NOT LESS THAN 90 (3-1/2")	75 (3") BARS AT SURFACES CAST AGAINST EARTH: NOT LESS THAN 90 (3-1/2")
REBAR REINFORCED NON STRUCTURAL SLABS ON GRADE CAST OVER VAPOUR BARRIER OR RIGID INSULATION	TOP BARS: ≤ 25M: 25 (1") BOT BARS: ≤ 35M: 40 (1-5/8")	TOP & BOT BARS: ≤ 25M: 40 (1-5/8")	TOP & BOT BARS: ≤ 25M: 40 (1-5/8")
REBAR REINFORCED NON STRUCTURAL SLABS ON GRADE WITHOUT VAPOUR BARRIER OR RIGID INSULATION	TOP BARS: ≤ 25M: 25 (1") BOT BARS: 75 (3")	TOP BARS: ≤ 25M: 40 (1 5/8") BOT BARS: 75 (3")	TOP BARS: ≤ 25M: 40 (1-5/8") BOT BARS: 75 (3")
BASEMENT WALL AND RETAINING WALLS	BARS AT VISIBLE FACE: ≤ 25M: 25 (1") 30M: 30 (1-1/4") 35M: 35 (1-3/8") BARS AT FACE AGAINST EARTH ≤ 25M: 40 (1-5/8") 30M: 45 (1-3/4") 35M: 55 (2-1/8")	ALL BARS ≤ 25M: 40 (1-5/8") 30M: 45 (1-3/4") 35M: 55 (2-1/8")	BARS AT VISIBLE FACE OF BASEMENT WALLS AND INTERIOR RETAINING WALLS: 40 (1-5/8") FOR PROTECTION SEE NOTE #6 BELOW BARS AT VISIBLE FACE OF EXTERIOR RETAINING WALLS: ≤ 30M: 60 (2-3/8") 35M: 70 (2-3/4") BARS AT FACE AGAINST EARTH ≤ 25M: 40 (1-5/8") 30M: 45 (1-3/4") 35M: 55 (2-1/8")

NOTES:

MASONRY

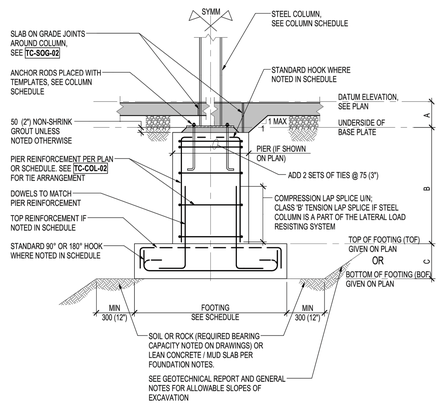
1. CONFORM TO CSA A371 AND CSA S304.1.
2. NON LOAD-BEARING MASONRY WALLS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.
3. PROVIDE LATERAL SUPPORT AT TOPS OF ALL WALLS, REFER TO TYPICAL DETAILS TM-LATS-12 AND ARCHITECTURAL SPECIFICATIONS. LOCATE MAX 300 (12") FROM WALL ENDS AND MOVEMENT JOINTS

PIPES AT STRIP FOOTINGS — TC-FDN-51



MAY 2017

FOOTING AT STEEL COLUMN — TC-FDN-02



A - DISTANCE FROM DATUM ELEVATION TO UNDERSIDE OF BASE PLATE GIVEN ON COLUMN SCHEDULE

B - DEPTH OF PIER DETERMINED FROM U/S OF BASE PLATE AND TOP / BOTTOM OF FOOTING ELEVATION.

C - DEPTH OF FOOTING GIVEN ON FOOTING SCHEDULE

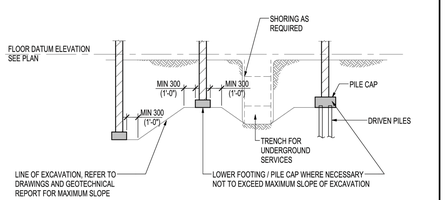
MAY 2017

DRAWING ABBREVIATIONS — TG-ABBR-01

ABUT	ABUTMENT	DW	DRAWING	fd	TENSION DEVELOPMENT LENGTH OF REBAR	SPEC	SPECIFICATIONS
ADD'L	ADDITIONAL	DWL	DOWEL	fdc	COMPRESSION DEVELOPMENT LENGTH OF REBAR	SPF	SPRUCE PINE FIR
AEC	ARCHITECTURALLY EXPOSED CONCRETE	EA	EACH	fdh	TENSION EMBEDMENT LENGTH WITH STANDARD HOOK	SR	STUD RAIL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	ECR	EPOXY COATED REINFORCEMENT	LE	LEFT END	SS	STAINLESS STEEL
AIFB	ASPHALT IMPREGNATED FIBERBOARD	EBF	ECCENTRICALLY BRACED FRAME	LG	LONG	ST	STRAIGHT
ALT	ALTERNATE	EE	EACH END	LL	LOWER LEVEL	STD	STANDARD
ARCH	ARCHITECTURAL	EF	EACH FACE	LLH	LONG LEG HORIZONTAL	STE	SHEAR TRANSFER ELEMENTS
A-ROD	ANCHOR ROD	EJ, EXP JT	EXPANSION JOINT	LLV	LONG LEG VERTICAL	STG	STAGGERED
ASPH	ASPHALT	ELECT	ELECTRICAL	LONG	LONGITUDINAL	STIR	STIRRUP
AVG	AVERAGE	EL	ELEVATION	LSH	LONG SIDE HORIZONTAL	STIFF	STIFFENER
B, BOT	BOTTOM	ELEV	ELEVATOR	LP	LOW POINT	STL	STEEL
BOF	BOTTOM OF FOOTING	EMBED	EMBEDMENT	LWT	LIGHT WEIGHT	STR	SEISMIC STRAP
BOP	BOTTOM OF PILE	ENG	ENGINEER	MAX	MAXIMUM	STRUCT	STRUCTURAL
BCE	BOTTOM CHORD EXTENSION	EOD	EDGE OF DECK	MC	MOMENT CONNECTION (—◀ ▶—)	SWT	SELF WEIGHT
BCP	BORED CONCRETE PILE	EOS	EDGE OF SLAB	MECH	MECHANICAL	SYMM	SYMMETRICAL
BEW	BOTTOM EACH WAY	ES	EACH SIDE	MEZZ	MEZZANINE	t	THICKNESS
BLL	BOTTOM LOWER LAYER	EQ	EQUAL	MF	MOMENT FRAME	TB	TRANSFER BEAM
BP	BASE PLATE	EW	EACH WAY	MIN	MINIMUM	TBB	TOP BASIC BARS
BRG	BEARING	EX, EXIST	EXISTING	MISC	MISCELLANEOUS	T	TOP
BRP	BEARING PLATE	EXT	EXTERIOR	MJ	MOVEMENT JOINT	TDL	TENSION DEVELOPMENT LENGTH
BSMT	BASEMENT	FC	FUTURE COLUMN	ML	MIDDLE LAYER	TEW	TOP EACH WAY
BUL	BOTTOM UPPER LAYER	FD	FLOOR DRAIN	NF	NEAR FACE	T&G	TONGUE AND GROOVE
BUP	BOTTOM OF UNDERPINNING	FF	FAR FACE	NIC	NOT IN CONTRACT	TJ	TIE JOIST
C	CAMBER	FIN	FINISHED	NOM	NOMINAL	TLL	TOP LOWER LAYER
CA	COLUMN ABOVE ONLY (NO COLUMN BELOW)	FL	FLOOR	NTS	NOT TO SCALE	T/O	TOP OF
CANT	CANTILEVER	FMC	FULL MOMENT CONNECTION (FOR FULL MOMENT CAPACITY)	O/C	ON CENTER	TOB	TOP OF (GRADE) BEAM
CAT	CATEGORY (FOR AESS)	FND	FOUNDATION	OD	OUTSIDE DIAMETER	TOC	TOP OF CONCRETE
CB	COLUMN BELOW ONLY (NO COLUMN ABOVE)	FTG	FOOTING	OF	OUTSIDE FACE	TOF	TOP OF FOOTING
CDL	COMPRESSION DEVELOPMENT LENGTH	GA	GAUGE	OPP	OPPOSITE	TOS	TOP OF STEEL
CEL	CUT OFF ELEVATION FOR PILES	GALV	GALVANIZED	OWSJ	OPEN WEB STEEL JOIST	TOP	TOP OF PILE
CIP	CAST-IN PLACE	GB	GRADE BEAM	PAF	POWDER ACTUATED FASTENERS	TOW	TOP OF WALL
CJ	CONTROL JOINT	GEN	GENERAL	PL	PLATE	TPC	TOP OF PILE CAP
CLR	CLEAR	GL	GROULINE	PROJ	PROJECT, PROJECTION	TRANS	TRANSVERSE
CL	CENTRELINE	GRD	GROUND	PS	PIPE SUPPORT	TSA	TENSION SPLICE "A"
CMU	CONCRETE MASONRY UNITS	h	TOTAL THICKNESS, SLAB THICKNESS AWAY FROM DROP PANEL	PT	POST TENSIONED	TSB	TENSION SPLICE "B"
CNT	STEEL DECK CORE NOMINAL THICKNESS	hd	SLAB OVERALL THICKNESS AT DROP PANEL	PTL	PRESSURE TREATED LUMBER	TUL	TOP UPPER LAYER
COMP	COMPOSITE	H, HORIZ	HORIZONTAL	R	RADIUS	TYP	TYPICAL
COL	COLUMN	(H)	HIGH BEAM	RA	ROOF ANCHOR	U-BAR	"U" SHAPED BAR
CONC	CONCRETE	HC	HOLLOWCORE	RD	ROOF DRAIN	UDB	UNIFORMLY DISTRIBUTED BARS
CONT	CONTINUOUS	HD	HOLD DOWN	RE	RIGHT END	U/F	UNDERSIDE OF FOOTING
CONT'D	CONTINUED	HDG	HOT DIPPED GALVANIZED	REINF	REINFORCEMENT	UL	UPPER LEVEL
CONST.J.	CONSTRUCTION JOINT	HEF	HORIZONTAL EACH FACE	REM	REMAINDER	ULS	ULTIMATE LIMIT STATE
CP	CONNECTION PLATE	HIF	HORIZONTAL INSIDE FACE	REQ'D	REQUIRED	U/S	UNDERSIDE
CPL	CAP PLATE	HH	HOOK EACH END	REV	REVISION	U/N, UNO	UNLESS NOTED OTHERWISE
CS	COMPRESSION LAP SPLICE	HIC	HORIZONTAL IN CENTRE	RF	RIGID FRAME	UPT	UPTURNED
COV	CLEAR COVER	HOF	HORIZONTAL OUTSIDE FACE	RL	REFERENCE LINE	V, VERT	VERTICAL, VERTICALS
C/W	COMPLETE WITH, CONNECT WITH	HP	HIGH POINT	RSS	RETAINED SOIL SYSTEM	VB	VERTICAL BRACING
CWS	(SEE TO GENERAL NOTES)	HSC	HORIZONTAL SLOTTED CONNECTION	RTU	ROOF TOP UNIT	VEF	VERTICAL EACH FACE
CLS	(SEE TO GENERAL NOTES)	IBI	INTEGRITY BARS INTERIOR	RET. WALL	RETAINING WALL	VIF	VERTICAL INSIDE FACE
DCA	DRILLED CONCRETE ANCHOR, SEE GENERAL NOTES	IBE	INTEGRITY BARS EXTERIOR	R/W	REINFORCE WITH	VIC	VERTICAL IN CENTRE
DEMO	DEMOLITION	IBA	INTEGRITY BARS ADDED	r.w.	REQUIRED WITH	VOF	VERTICAL OUTSIDE FACE
DET	DETAIL	IBB	INTEGRITY BOTTOM BARS (THROUGHOUT)	SDF	STEP DOWN FOOTING (IN DIRECTION OF ARROW)	VSC	VERTICALLY SLOTTED CONNECTION
D.FIR-L	DOUGLAS FIR-LARCH	ID	INSIDE DIAMETER	SEC	SECTION	WB	WALL BELOW
DIA, Ø	DIAMETER	INT	INTERIOR	SIM	SIMILAR	WC	WIND COLUMN
DIV	DIVIDER BEAM	IF	INSIDE FACE	SJ	STEEL JOIST	w/o	WITHOUT
DMA	DRILLED MASONRY ANCHOR, SEE GENERAL NOTES	JG	JOIST GIRDER	SL	SLAB, SHELF ANGLE	WP	WORK POINT
DN	DOWN	KB	KNEE BRACING	SLBB	SHORT LEG BACK TO BACK	WSP-S	WSP STRUCTURAL
DNW	DOUBLE NUT AND WASHER	(L)	LOW BEAM	SLS	SERVICEABILITY LIMIT STATE	WWF	WELDED WIRE FABRIC
DP	DEEP	2-L	BACK TO BACK ANGLES	SOG	SLAB-ON-GRADE	ZRP	ZINC RICH PAINT

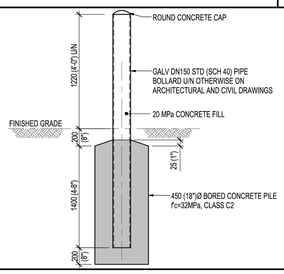
JUNE 2017

SLOPE BETWEEN ADJACENT EXCAVATIONS — TC-FDN-41



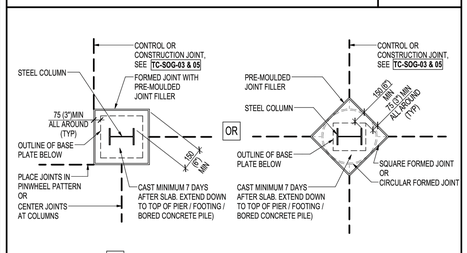
MAY 2017

BOLLARD FOUNDATION — TC-FDN-61



MAY 2017

SLAB ON GRADE JOINTS AROUND STEEL COLUMN — TC-SOG-02

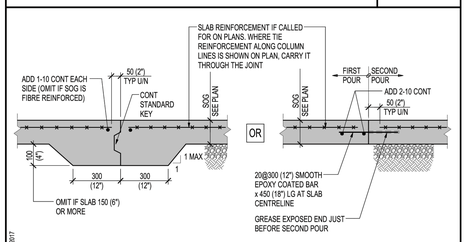


NOTE:

SUBMIT PROPOSED JOINT LAYOUT AND DETAILS FOR REVIEW BY ARCHITECT AND WSP-S.

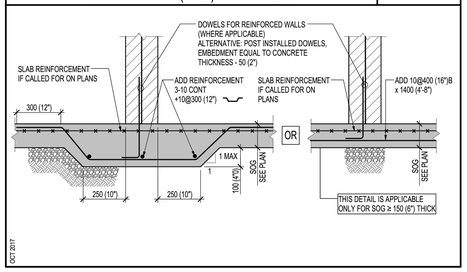
OCT 2017

SLAB ON GRADE CONSTRUCTION JOINTS — TC-SOG-03



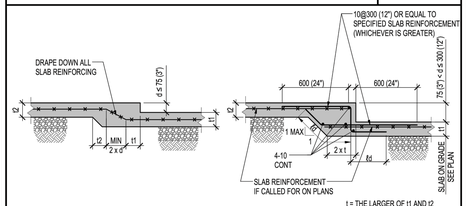
AUGUST 2017

SLAB ON GRADE AT MASONRY PARTITIONS 190 (7 1/2") AND THICKER — TC-SOG-11



OCT 2017

SLAB ON GRADE STEP UP TO 300 (12") — TC-SOG-21

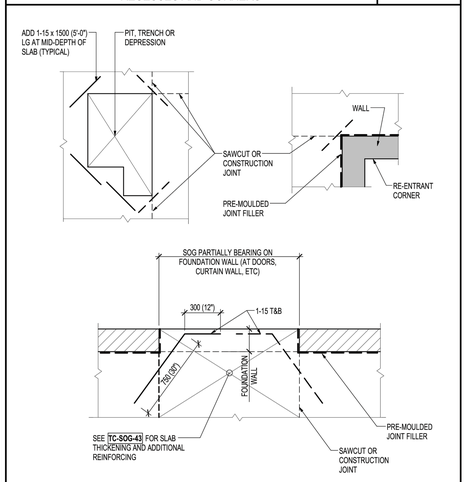


NOTE:

SEE TC-SOG-41 FOR DIAGONAL BARS ADDED AT CORNERS

OCT 2017

ADDED SLAB ON GRADE REINFORCEMENT AT RECESSES AND CORNERS — TC-SOG-41

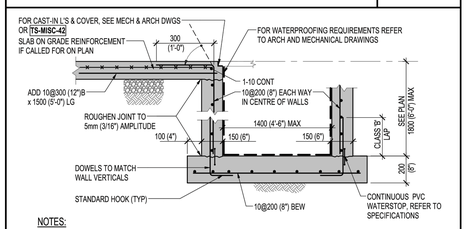


NOTES:

1. ADDITIONAL REBARS SHOWN THUS — — — ARE NOT REQUIRED, IF SAWCUT OR CONSTRUCTION JOINTS ARE PROVIDED AS INDICATED.
2. ADDITIONAL REBARS ARE NOT REQUIRED FOR FIBRE REINFORCED SLABS.

MAY 2017

SUMP PIT MAX 1800 (6'-0") DEEP — TC-SOG-31

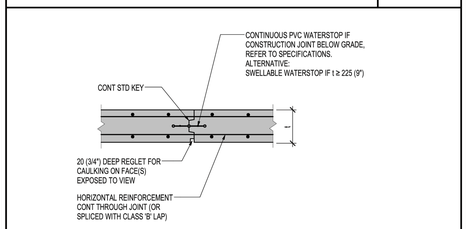


NOTES:

1. THIS DETAIL MAY BE USED FOR DEEPER PITS WHERE SPECIFICALLY NOTED ON PLANS.
2. SEE TC-SOG-41 FOR SOG DIAGONAL BARS ADDED AT PIT CORNERS.

OCT 2017

CONSTRUCTION JOINT IN WALL — TC-WALL-21

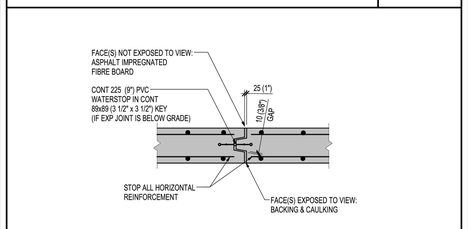


NOTE:

DO NOT PLACE CONSTRUCTION JOINTS IN ANY SHEAR WALLS.

JUNE 2017

KEYED EXPANSION JOINT IN WALL — TC-WALL-23



JUNE 2017

CLIENT:

PETSMART

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

CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:

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.

THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: C40045886.0146

DATE: 02.12.25

ORIGINAL SCALE: AS NOTED

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

1"

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PAGE #: 27 OF: 53

DISCIPLINE: STRUCTURAL

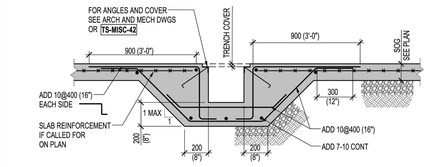
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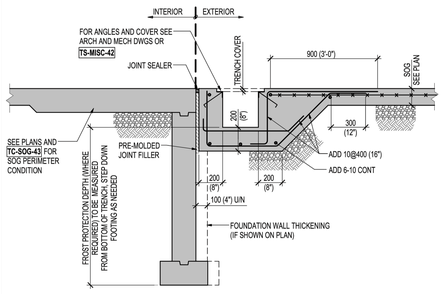
TYPICAL DETAILS

SHEET NUMBER:

S1.1

TRENCH DRAINS IN SLAB ON GRADE — TC-SOG-23



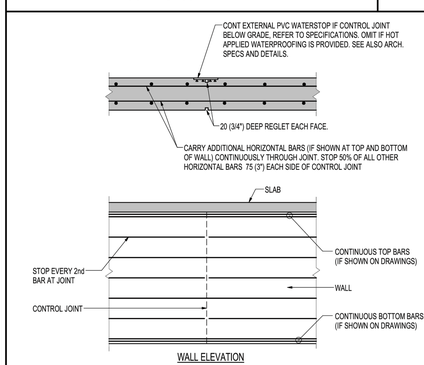


NOTES:

1. SEE TC-SOG-41 FOR SOG DIAGONAL BARS ADDED AT TRENCH ENDS.
2. SEE PLANS IF EPOXY COATED BARS ARE REQUIRED.

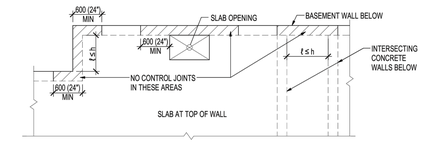
OCT 2017

CONTROL JOINT IN WALL — TC-WALL-22



WALL ELEVATION

DO NOT LOCATE CONTROL JOINTS IN ANY SHEAR WALLS NOR IN BASEMENT WALL SEGMENTS SPANNING HORIZONTALLY AND HIGHLIGHTED THUS ▨ ON PLAN BELOW (h IS BASEMENT WALL CLEAR HEIGHT)



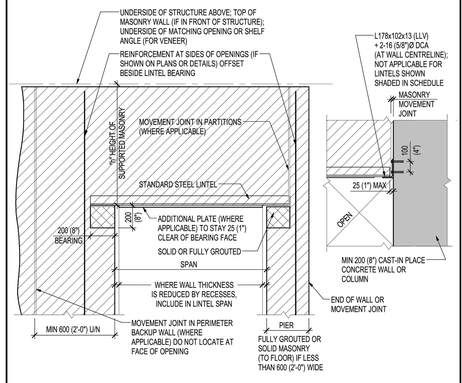
PLAN (NTS)

JUNE 2017

STANDARD STEEL LINTELS IN NON LOAD BEARING MASONRY WALLS — TM-WALL-11

NOTES:

1. THIS DETAIL APPLIES FOR HOLLOW MASONRY WALLS AND FOR MASONRY WALLS WITH GROUTED CORES SPACED NOT CLOSER THAN 800 (2'-8").
2. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENING LOCATIONS.
3. SEE PLANS FOR SPECIAL LINTELS.
4. CONNECT BACK TO BACK DOUBLE ANGLES USING MIN 16 (5/8")Ø BOLTS @ 450 (1'-6") MAX , OR BY WELDING @ TOP & BOTTOM USING 6 (1/4") WELDS x 50 (2") LG @ 450 (1'-6") MAX LOCATE FIRST CONNECTION MAX 75 (3") FROM END OF LINTEL.
5. PROVIDE STEEL PACKING AS REQUIRED TO ENSURE EVEN BEARING OF STEEL LINTELS.
6. FOR LINTELS WHICH ARE SHADED IN SCHEDULE, SPECIAL DETAIL FOR CONNECTION TO CONCRETE WALL/COLUMN IS REQUIRED.
7. FOR FIRE PROTECTIONS OF LINTELS LONGER THAN 3000 (10'-0"), SEE ARCHITECTURAL DRAWINGS AND SPECS.



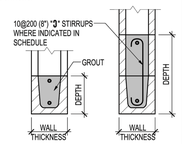
WALL THICKNESS	SPAN	HEIGHT OF SUPPORTED MASONRY "h" h≤1200 (4'-0")	1200 (4'-0")<h≤ 2600 (8'-4")	2600 (8'-4")≤h≤ 4800 (16'-0")	DETAIL
90 (4") VENEER	UP TO 1200 (4'-0")	L89x89x6.4	L89x89x6.4	L89x64x7.9	70x13 (2 3/4"x1/2") STEEL PLATE, WHERE SHOWN IN SCHEDULE
	1200 (4'-0") TO 1800 (6'-0")	L89x89x6.4	L89x89x6.4	L102x89x7.9	
	1800 (6'-0") TO 2400 (8'-0")	L89x89x6.4	L102x89x9.5	L152x89x7.9	
	2400 (8'-0") TO 3000 (10'-0")	L102x89x7.9	L152x89x7.9	L152x89x9.5 +PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5 +PLATE	N/A	
140 (6")	UP TO 1200 (4'-0")	2-L64x64x6.4	2-L64x64x6.4	2-L64x64x6.4	120x13 (4 3/4"x1/2") STEEL PLATE, WHERE SHOWN IN SCHEDULE
	1200 (4'-0") TO 1800 (6'-0")	2-L76x64x6.4	2-L76x64x6.4	2-L89x64x7.9	
	1800 (6'-0") TO 2400 (8'-0")	2-L76x64x7.9	2-L89x64x9.5+PLATE	N/A	
	2400 (8'-0") TO 3000 (10'-0")	2-L89x64x9.5	N/A	N/A	
	3000 (10'-0") TO 3600 (12'-0")	2-L89x64x9.5+PLATE	N/A	N/A	
190 (8")	UP TO 1200 (4'-0")	2-L89x89x6.4	2-L89x89x6.4	2-L89x89x6.4	
	1200 (4'-0") TO 1800 (6'-0")	2-L89x89x6.4	2-L89x89x6.4	2-L102x89x6.4	
	1800 (6'-0") TO 2400 (8'-0")	2-L89x89x6.4	2-L102x89x9.7	2-L127x89x7.9	
	2400 (8'-0") TO 3000 (10'-0")	2-L102x89x7.9	2-L152x89x7.9	2-L152x89x9.5	
	3000 (10'-0") TO 3600 (12'-0")	2-L127x89x7.9	2-L152x89x9.5	N/A	
240 (10")	UP TO 1200 (4'-0")	2-L102x102x6.4	2-L102x102x6.4	2-L102x102x6.4	220x13(8x1/2") STEEL PLATE, WHERE SHOWN IN SCHEDULE
	1200 (4'-0") TO 1800 (6'-0")	2-L102x102x6.4	2-L102x102x6.4	2-L102x102x7.9	
	1800 (6'-0") TO 2400 (8'-0")	2-L102x102x6.4	2-L102x102x9.5	2-L152x102x7.9	
	2400 (8'-0") TO 3000 (10'-0")	2-L102x102x9.5	2-L152x102x7.9	2-L178x102x9.5	
	3000 (10'-0") TO 3600 (12'-0")	2-L152x102x7.9	2-L178x102x9.5	2-L178x102x9.5+PLATE	
290 (12")	UP TO 1200 (4'-0")	3-L89x89x6.4	3-L89x89x6.4	3-L89x89x6.4	
	1200 (4'-0") TO 1800 (6'-0")	3-L89x89x6.4	3-L89x89x6.4	3-L102x89x6.4	
	1800 (6'-0") TO 2400 (8'-0")	3-L89x89x6.4	3-L127x89x6.4	3-L127x89x7.9	
	2400 (8'-0") TO 3000 (10'-0")	3-L127x89x6.4	3-L127x89x7.9	3-L152x89x9.5	
	3000 (10'-0") TO 3600 (12'-0")	3-L127x89x6.4	3-L152x89x9.5	N/A	

AUGUST 2017

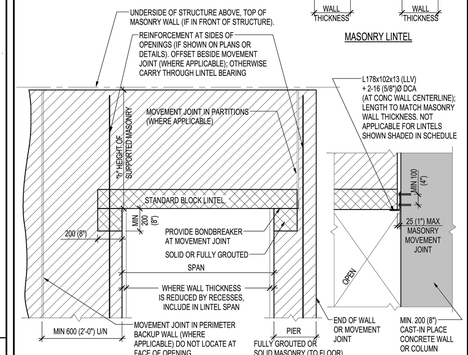
STANDARD MASONRY LINTELS IN NON LOAD BEARING MASONRY WALLS — TM-WALL-12

NOTES:

1. THIS DETAIL APPLIES FOR HOLLOW MASONRY WALLS AND FOR MASONRY WALLS WITH GROUTED CORES SPACED NOT CLOSER THAN 800 (2'-8").
2. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENING LOCATIONS.
3. SEE PLANS FOR SPECIAL LINTELS.
4. LINTEL BLOCKS TO HAVE SOLID BOTTOM.
5. FILL LINTEL BLOCKS WITH COARSE GROUT. IT IS NOT ACCEPTABLE TO FILL LINTELS WITH MORTAR.
6. SUPPORT LINTELS UNTIL GROUT REACHES SUFFICIENT STRENGTH, BUT NOT LESS THAN 7 DAYS.
7. FOR LINTELS WHICH ARE SHADED IN SCHEDULE, SPECIAL DETAIL FOR CONNECTION TO CONCRETE WALL IS REQUIRED.



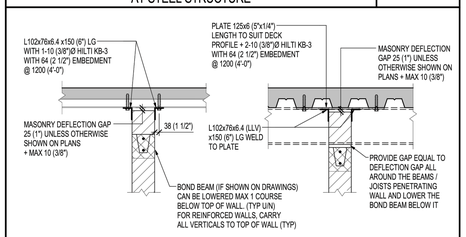
MASONRY LINTEL



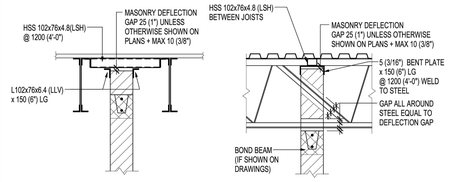
WALL THICKNESS	SPAN	HEIGHT OF SUPPORTED MASONRY "h" h≤1200 (4'-0") BLOCK LINTEL DEPTH	REINF: T&B	1200 (4'-0")<h≤ 2600 (8'-4") BLOCK LINTEL DEPTH	REINF: T&B	2600 (8'-4")≤ h ≤ 4800 (16'-0") BLOCK LINTEL DEPTH	REINF: T&B
140 (6")	UP TO 1200 (4'-0")	190 (7 1/2")	1-10	190 (7 1/2")	1-10	390 (15 1/2")	1-10
	1200(4'-0") TO 1800(6'-0")	190 (7 1/2")	1-10	390 (15 1/2")	1-10	390 (15 1/2")	1-10+STIRRUPS
	1800(6'-0") TO 2400(8'-0")	390 (15 1/2")	1-10	390 (15 1/2")	1-10+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS
	2400(8'-0") TO 3000(10'-0")	390 (15 1/2")	1-10	390 (15 1/2")	1-10+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS
	3000(10'-0") TO 3600(12'-0")	390 (15 1/2")	1-10	590 (23 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS
190 (8")	UP TO 1200 (4'-0")	190 (7 1/2")	1-10	190 (7 1/2")	1-10	390 (15 1/2")	1-15+STIRRUPS
	1200(4'-0") TO 1800(6'-0")	190 (7 1/2")	1-10	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS
	1800(6'-0") TO 2400(8'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS
	2400(8'-0") TO 3000(10'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS
	3000(10'-0") TO 3600(12'-0")	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
240 (10")	UP TO 1200 (4'-0")	190 (7 1/2")	1-10	190 (7 1/2")	1-10	390 (15 1/2")	1-15+STIRRUPS
	1200(4'-0") TO 1800(6'-0")	190 (7 1/2")	1-10	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS
	1800(6'-0") TO 2400(8'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
	2400(8'-0") TO 3000(10'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
	3000(10'-0") TO 3600(12'-0")	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
290 (12")	UP TO 1200 (4'-0")	190 (7 1/2")	1-15	190 (7 1/2")	1-15	390 (15 1/2")	1-15+STIRRUPS
	1200(4'-0") TO 1800(6'-0")	190 (7 1/2")	1-15	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS
	1800(6'-0") TO 2400(8'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
	2400(8'-0") TO 3000(10'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-20+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
	3000(10'-0") TO 3600(12'-0")	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS	590 (23 1/2")	1-25+STIRRUPS

AUGUST 2017

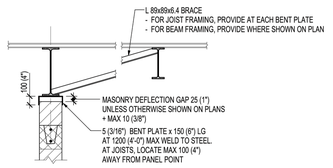
LATERAL SUPPORT OF MASONRY PARTITIONS AT STEEL STRUCTURE — TM-LATS-12



WALL PERPENDICULAR TO FLOOR DECK FLUTES — WALL PARALLEL TO FLOOR DECK FLUTES



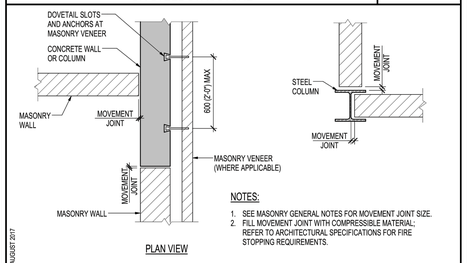
WALL PERPENDICULAR TO ROOF DECK FLUTES — WALL PARALLEL TO ROOF DECK FLUTES



WALL IN LINE WITH FLOOR / ROOF JOISTS OR BEAMS

OCT 2017

MASONRY WALLS ABUTTING CONCRETE OR STEEL STRUCTURE — TM-WALL-21



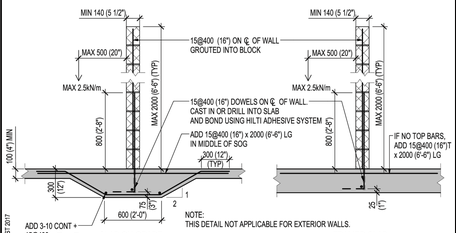
PLAN VIEW

NOTES:

1. SEE MASONRY GENERAL NOTES FOR MOVEMENT JOINT SIZE.
2. FILL MOVEMENT JOINT WITH COMPRESSIBLE MATERIAL; REFER TO ARCHITECTURAL SPECIFICATIONS FOR FIRE STOPPING REQUIREMENTS.

AUGUST 2017

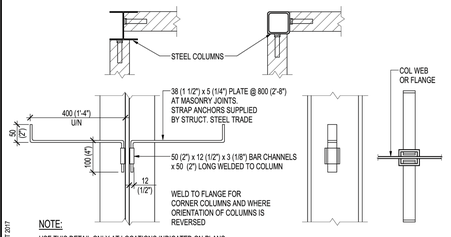
FREE STANDING MASONRY PARTITIONS (LATERALLY UNSUPPORTED AT TOP) AT CONCRETE STRUCTURES — TM-WALL-31



SLAB ON GRADE — FRAMED SLAB

AUGUST 2017

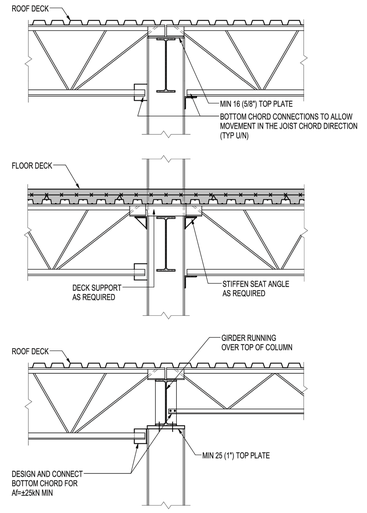
ANCHORAGE OF ABUTTING MASONRY WALLS TO STEEL COLUMNS — TS-COL-03



NOTE:
USE THIS DETAIL ONLY AT LOCATIONS INDICATED ON PLANS.

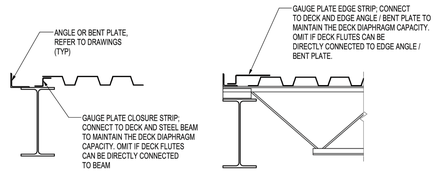
SEPT 2017

STEEL JOISTS AT COLUMNS — TS-JOIST-01

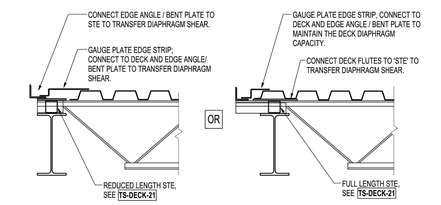


AUGUST 2017

ROOF DECK EDGE DETAILS — TS-DECK-22



BEAM AT U/S OF DECK — BEAM SUPPORTING JOISTS AT BAYS WITHOUT SHEAR TRANSFER ELEMENTS (STE)



BEAM SUPPORTING JOISTS AT BAYS WITH SHEAR TRANSFER ELEMENT (STE)

MAY 2017

CLIENT:

PETSMART

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

CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146

DATE: 02.12.25

ORIGINAL SCALE: AS NOTED

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

1"

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PAGE #: 28 OF: 53

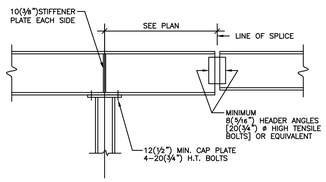
DISCIPLINE: STRUCTURAL

TITLE:

TYPICAL DETAILS

SHEET NUMBER:

S1.2



CANTILEVER BEAM SPLICE

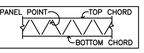
1

FOR SPRINKLER PIPE LINE LOCATION, SEE MECHANICAL DRAWINGS.

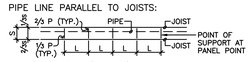
ALL SUPPORTING ROOF JOISTS SHALL BE DESIGNED TO WITHSTAND WATER FILLED PIPE LOADS 'W' AS SHOWN IN ADDITION TO THE BASIC SPECIFIED DESIGN.

100(4") ø PIPE.....ø SMALLER – IGNORE
125(5") ø PIPE.....w = 0.35 KN/m (24 P.L.F.) } PLUS 0.45 KN. (100 LBS.)
150(6") ø PIPE.....w = 0.47 KN/m (32 P.L.F.) } AT THE POINT OF HANGING
200(8") ø PIPE.....w = 0.75 KN/m (51 P.L.F.) }

ALL MECHANICAL PIPES 50(2") OR LARGER SHALL BE HUNG FROM THE TOP CHORD OF JOIST AT PANEL POINTS ONLY. DUCT WORK MAY BE HUNG FROM TOP OF JOIST AT LOCATIONS OTHER THAN PANEL POINTS.

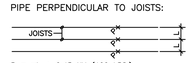


PIPE LINE PARALLEL TO JOISTS:



P = wL + 0.45 KN (100 LBS.)
w = SEE ABOVE (ø OF PIPE)...KN/m (P.L.F.)
L = SPACING OF PIPE SUPPORTS...M (FT.)

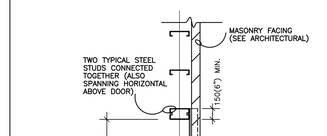
PIPE PERPENDICULAR TO JOISTS:



P = wL + 0.45 KN (100 LBS.)
w = SEE ABOVE (ø OF PIPE)...KN/m (P.L.F.)
L = SPACING OF JOISTS...M (FT.)

TYPICAL SPRINKLER LINE LOADING DETAILS

2

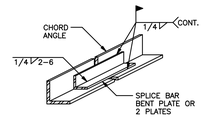


SEE ARCHITECTURAL DRAWINGS FOR LOCATION

– FOR DOUBLE DOOR LINTEL (UP TO 1930(6'–4")
USE L125X125X8(L5"X5"X5/16")
USE THREE STUDS EACH SIDE AND ABOVE

SINGLE DOOR LINTEL

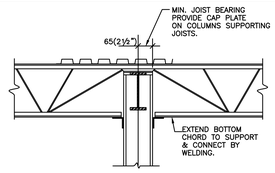
4



CHORD ANGLE	SPLICE BAR
L3"x3"x1/4"	BENT PLATE 4"x3/8"x1'–4"
L3"x3"x3/8"	2 PLATES 2"x1/2"x1'–6"
L3 1/2"x3 1/2"x1/4"	BENT PLATE 5"x3/8"x1'–4"
L3 1/2"x3 1/2"x3/8"	2 PLATES 2"x5/8"x1'–8"
L4"x4"x1/4"	BENT PLATE 6"x3/8"x1'–6"
L4"x4"x3/8"	2 PLATES 2"x3/4"x2'–0"
L4"x4"x1/2"	2 PLATES 2 1/2"x3/4"x2'–6"
L5"x5"x3/8"	2 PLATES 3"x5/8"x2'–6"
L5"x5"x1/2"	2 PLATES 3 1/2"x3/4"x3'–3"
L6"x6"x3/8"	2 PLATES 5"x3/4"x3'–6"

PERIMETER ANGLE SPLICE DETAIL

5



ALL TIE JOISTS TO BE DESIGNED FOR A SPECIFIED MOMENT OF 14.0 KNM (10 FT.KIPS.) AT COLUMN ENDS IN ADDITION TO GRAVITY LOADS. MINIMUM SIZE OF BOTTOM CHORD TO BE 2–L 45x45x5 (1¾"x1¾"x 3/16").

STEEL TIE JOIST (T.J.) SUPPORTING DECKING

3

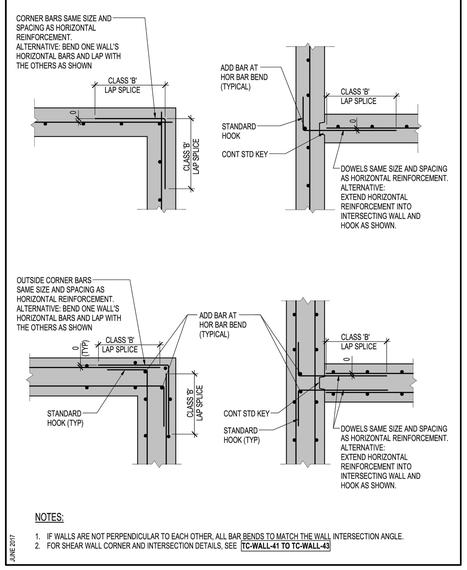
SEISMIC REINFORCEMENT FOR NON-LOAD BEARING MASONRY WALLS WITH SEISMIC HAZARD INDEX $0.35 \le I_E\,Fa\,Sa(0.2) < 0.75$ — TM-WALL-01

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL JOINT REINFORCEMENT
140 (6")	1-10@800 (2'-8")	2-3.66 @ 400 (16")
190 OR 240 (8" OR 10")	1-10@1200 (4'-0")	2-3.66 @ 400 (16")
290 (12")	1-10@1000 (3'-4")	2-3.66 @ 400 (16")

NOTES:
1. UNLESS NOTED OTHERWISE, PROVIDE THE ABOVE REINFORCEMENT FOR ALL MASONRY WALLS.
2. SEE MASONRY NOTES FOR DOWELLING, SPLICING AND OTHER REINFORCING AND GROUTING REQUIREMENTS.

AUGUST 2017

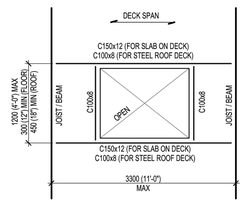
CONCRETE WALL CORNERS AND INTERSECTIONS — TC-WALL-01



NOTES:
1. IF WALLS ARE NOT PERPENDICULAR TO EACH OTHER, ALL BAR BENDS TO MATCH THE WALL INTERSECTION ANGLE.
2. FOR SHEAR WALL CORNER AND INTERSECTION DETAILS, SEE TC-WALL-41 TO TC-WALL-43

JUNE 2017

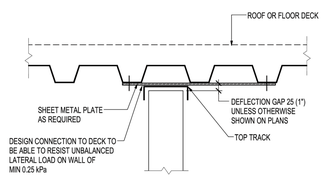
ADDITIONAL FRAMING AT DECK OPENINGS — TS-DECK-04



NOTES:
1. DECK SUPPLIER TO DESIGN AND PROVIDE REINFORCEMENT FOR STEEL ROOF DECK OPENINGS LESS THAN 450 (18")
2. SEE TS-DECK-03 FOR REINFORCING OF OPENINGS IN SLAB ON DECK LESS THAN 300 (12")

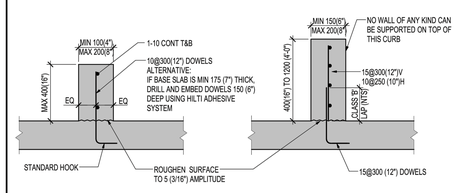
MAY 2017

STUD WALL CONNECTION TO UNDERSIDE OF STEEL DECK — TS-DECK-31



MAY 2017

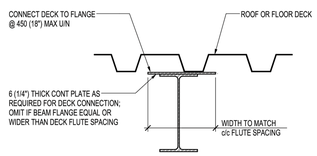
CONCRETE CURBS — TC-MISC-11



NOTE:
1. FOR CURB SIZES AND LOCATIONS, REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. UNLESS OTHERWISE NOTED, THIS DETAIL DOES NOT APPLY FOR CURBS SUPPORTING BALUSTRADE, RAILING, FALL ARREST ANCHORS OR WALL WITHOUT LATERAL SUPPORT AT TOP. REFER TO DRAWINGS FOR SPECIAL DETAILS.

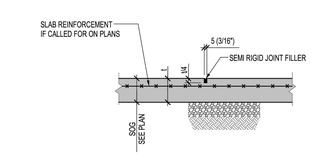
AUGUST 2017

STEEL DECK SUPPORT AT BEAM PARALLEL OR ANGLED TO DECK SPAN — TS-DECK-15



MAY 2017

SLAB ON GRADE SAWCUT CONTROL JOINT — TC-SOG-05



MAY 2017

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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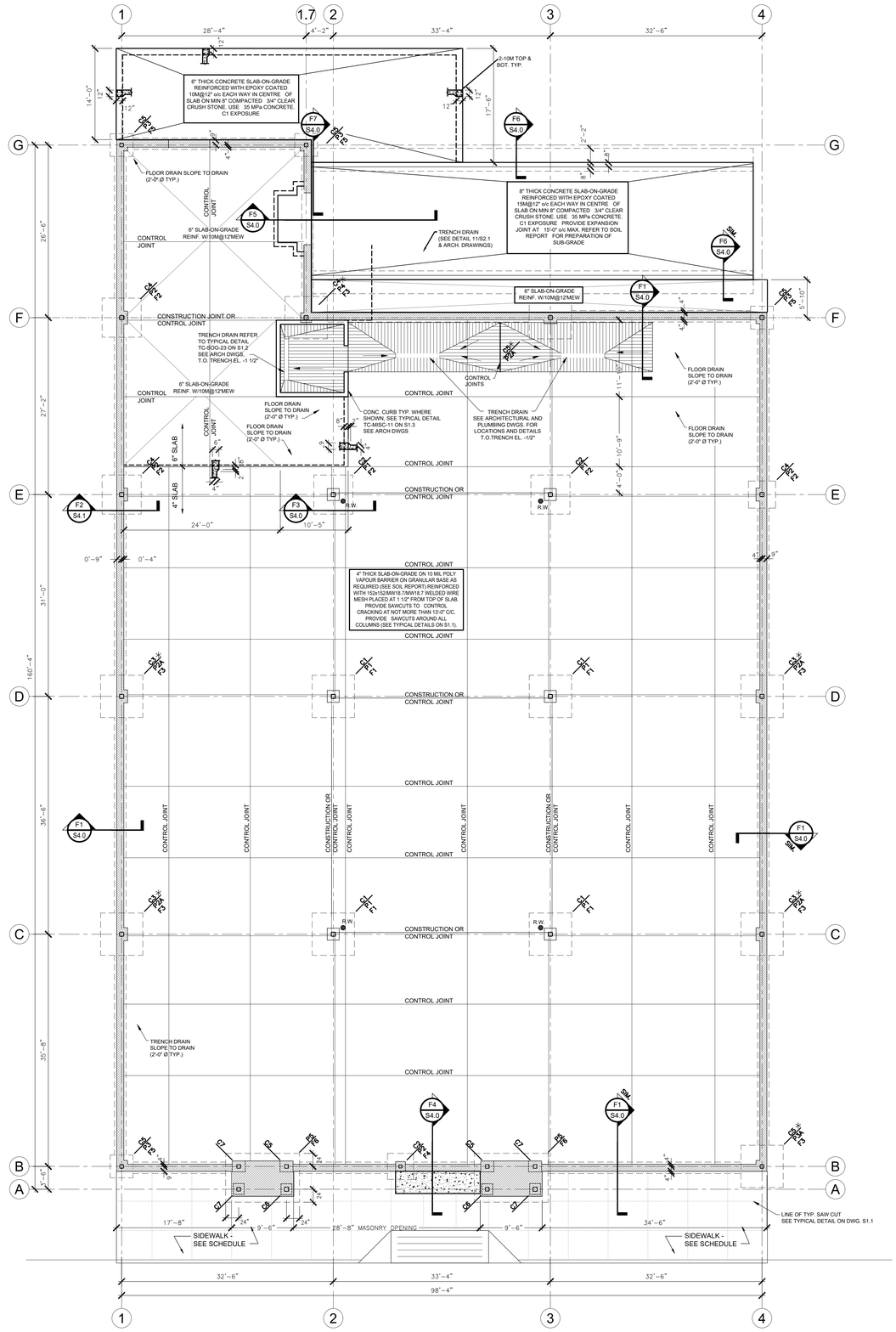
PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 29 OF: 53

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

DISCIPLINE: STRUCTURAL

TITLE: **TYPICAL DETAILS**

SHEET NUMBER: **S1.3**



1 / S2.0 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

NORTH

FOUNDATION PLAN GENERAL NOTES:

1. FOUNDATION DESIGN IS BASED ON SOIL REPORT No. XXX, DATED XXX BY XXX, TEL. XXX.
2. ALL FOUNDATIONS SHALL BE FOUNDED ON NATIVE SOIL OR ENGINEERED FILL CAPABLE OF SAFELY SUSTAINING A BEARING PRESSURE OF 3000 P.S.F. (150 kPa) UNDER SLS LOADING CONDITIONS.
3. S.F. SHOWN ON PLAN DENOTES STEPPED FOOTING.
4. ALL EXTERIOR FOOTINGS SHALL BE FOUNDED A MINIMUM OF 4'-0" AS PER SOIL REPORT BELOW FINISHED GRADE U/N OTHERWISE ON PLAN OR SECTION. FOR REQUIRED FROST COVER AND INSULATION REQUIREMENTS REFER TO DWG. S4.0.
5. ALL WALL FOOTINGS SHALL BE 8" DEEP WITH 8" PROJECTION IN WAREHOUSE AND 4" PROJECTION IN OFFICE EACH SIDE OF WALL UNLESS NOTED OTHERWISE IN PLAN OR SECTIONS.
6. SLAB ON GRADE SHALL BE AS NOTED ON PLAN.
7. REFER TO GENERAL NOTES ON DWG. S100. FOR CAST-IN CONCRETE AND REINFORCING STEEL DETAILS
8. SUB SOIL AT FOOTING LEVELS SHALL BE INSPECTED BY SOILS ENGINEER BEFORE POURING CONCRETE. LEVELS SHOWN ON PLAN MAY VARY TO SUIT ACTUAL FIELD CONDITIONS.
9. ELEVATION TO UNDERSIDE OF FOOTINGS ARE SHOWN THUS ON PLAN.
10. FOR GENERAL NOTES AND TYPICAL DETAILS SEE DRAWING S100 SERIES.
11. FOR EXTENT OF 2" THICK RIGID INSULATION UNDER EXTERIOR SLABS & SIDEWALKS, REFER TO ARCHITECTURAL DWGS.

SLAB ON GRADE WITH VAPOUR RETARDER:

1. PROVIDE 10-MIL POLYETHYLENE VAPOUR RETARDER ON THE SUB-BASE PRIOR TO THE CONSTRUCTION OF THE SLAB-ON-GRADE.
2. VAPOUR RETARDER SHALL CONFORM TO ASTM E 1745.
3. VAPOUR RETARDER SHEETS SHALL BE OVERLAPPED BY 6 INCHES AT THE SEAMS AND TAPED.
4. VAPOUR RETARDER SHEETS SHALL BE SEALED AROUND UTILITY OR COLUMN OPENINGS, FOUNDATION WALL, AND FOOTINGS.
5. VAPOUR RETARDER SHEETS SHALL BE PLACED ON SMOOTH, COMPACTED FILL. NO COARSE MATERIAL SUCH AS CRUSHED STONES IS ALLOWED UNDERNEATH THE VAPOUR RETARDER.
6. NOTIFY THE ARCHITECT AFTER THE VAPOUR RETARDER IS IN-PLACE FOR INSPECTION. THE NOTIFICATION MUST BE GIVEN 48 HOURS PRIOR TO THE CONSTRUCTION OF THE SLAB-ON-GRADE.
7. EXERCISE EXTREME CARE TO PREVENT DAMAGE TO THE VAPOUR RETARDER AFTER IT IS IN PLACE AND DURING THE CONSTRUCTION OF THE SLAB-ON-GRADE.
8. THE FINISHED SLAB-ON-GRADE SHALL BE MOIST CURE FOR MINIMUM 7 CONSECUTIVE DAYS AT A MINIMUM TEMPERATURE OF 10 DEGREE CELSIUS.
9. COMPLETED SLAB-ON-GRADE SHALL BE PROTECTED FROM RAIN, FLOOR WASHING, AND ANY OTHER TYPE OF ACTIVITIES THAT WILL PREVENT OR DELAY THE EVAPORATION OF THE BLEED WATER TRAPPED ON THE VAPOUR RETARDER AND INCREASE THE DRYING TIME OF THE SLAB-ON-GRADE.
10. THE SLAB-ON-GRADE SHALL HAVE A MOISTURE VAPOUR EMISSION RATE OF NOT MORE THAN THREE(3) POUNDS PER 1000 SQUARE FEET WHEN TESTED USING ANHYDROUS CALCIUM CHLORIDE. TEST IN ACCORDANCE WITH THE PROCEDURE OF ASTM STANDARD F1869-98 AT LEAST THREE(3) WEEKS PRIOR TO THE OCCUPANCY DATE.

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

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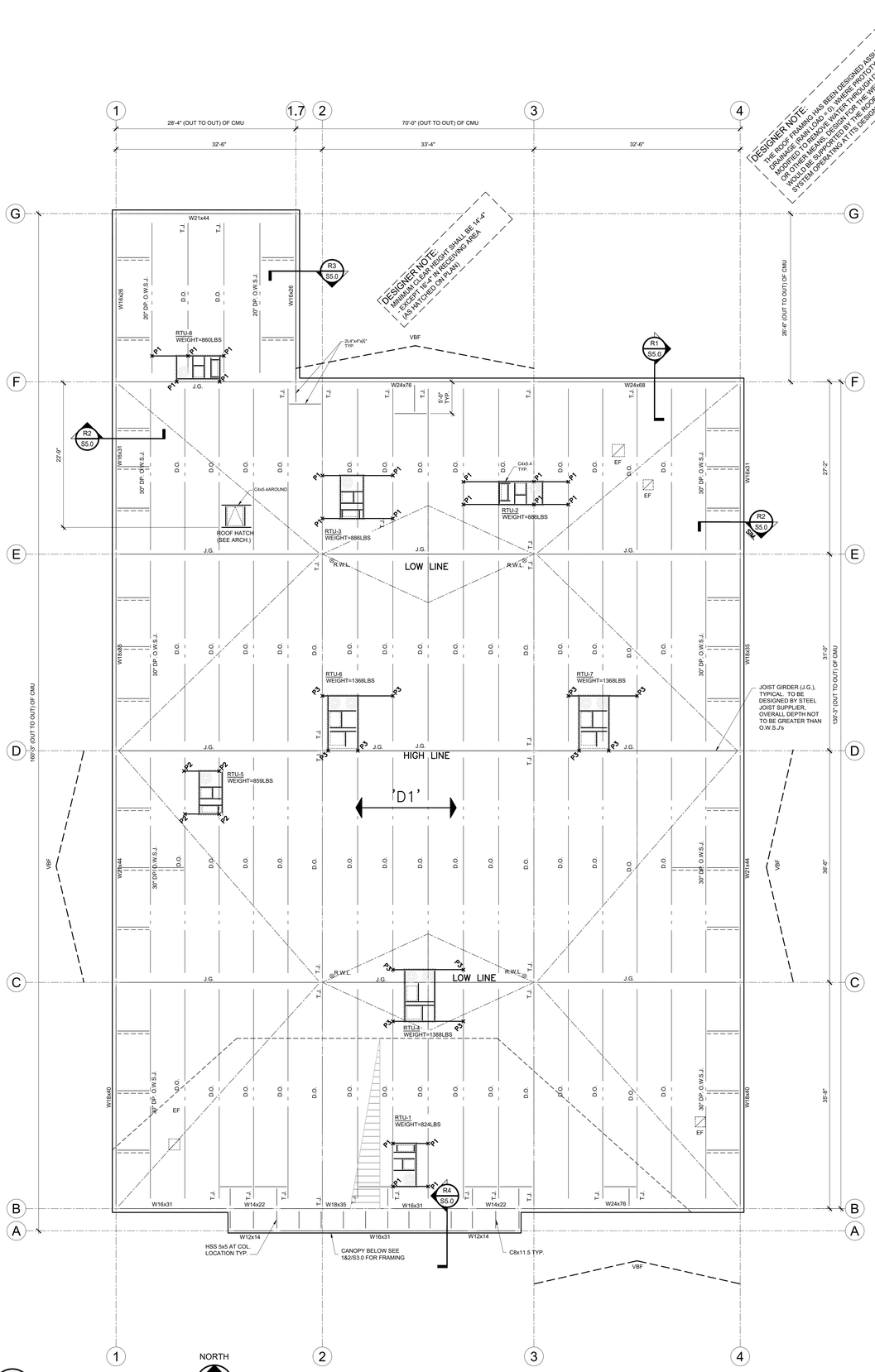
NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 30 OF: 53
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE. 1"

DISCIPLINE: STRUCTURAL

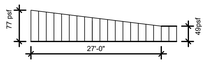
TITLE:
FOUNDATION PLAN

SHEET NUMBER:
S2.0



1 S2.1 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

NOTE:
FASTEN STEEL DECK TO JOIST WITH 3/4" PUDDLE WELDS @ 12" O/C BOTTOM PUNCH AT 6" O/C

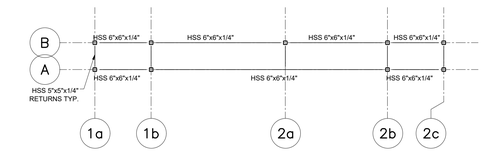


SNOW ACCUMULATION DIAGRAM BEHIND MARQUEE
MAX. HEIGHT ABOVE ROOF 8'-4"

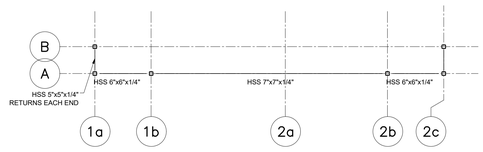
MECH UNIT DETAIL

SCALE: 1/8" = 1'-0"

COORDINATE FRAME FOR MECH. EQUIPMENT WITH MECH.



1a S2.1 LINTEL FRAMING PLAN
SCALE: 1/8" = 1'-0"



1b S2.1 HIGH PARAPET FRAMING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THESE DRAWINGS ARE NOT INTENDED TO BE USED FOR CONSTRUCTION.
2. STRUCTURAL CONSULTANT ASSUMES NO RESPONSIBILITY FOR THE USE OF THESE DRAWINGS ON ANY SITE FOR WHICH STRUCTURAL CONSULTANT IS NOT THE ENGINEER OF RECORD.
3. THESE DRAWINGS HAVE BEEN DEVELOPED FOR A SITE IN CENTRAL ONTARIO OTTAWA FOR THE PURPOSE OF ILLUSTRATING THE REQUIREMENTS OF A PROTOTYPE PETSMART STORE AT THE TIME THESE DRAWINGS ARE ISSUED. THE SPECIFICS (WIND, SNOW LOAD, SOIL CONDITIONS, SEISMIC, ETC.) OF ANY OTHER SITE WOULD REQUIRE SUBSTANTIAL REVISIONS TO THESE DRAWINGS.
4. THE PROFESSIONAL ENGINEER RETAINED FOR ANY SPECIFIC PROJECT MUST RE-ENGINEER THESE DRAWINGS FOR LOCAL CONDITIONS AND FOR COMPLIANCE WITH REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.

ROOF FRAMING PLAN NOTES:

1. "D1"- ON PLAN DENOTES 1 1/2" DEEP STEEL DECK. WELD DECK TO STEEL AT 6" c/c MIN. ALONG PERIMETER.
2. TOP OF STEEL BEAMS SUPPORTING STEEL JOISTS SHALL BE 5 1/2" BELOW TOP OF STEEL DECK. TOP OF STEEL BEAMS PARALLEL TO JOISTS ARE 1 1/2" BELOW TOP OF STEEL DECK UNLESS NOTED THUS ⌓ ON PLAN.
3. ALL OPENINGS IN STEEL DECK 6" TO 18" SHALL BE TRIMMED BY STEEL DECK CONTRACTOR. LARGER OPENINGS SHALL BE TRIMMED WITH C4x5.4 BY STRUCTURAL STEEL CONTRACTOR U.N.O.
4. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS IN ROOF DECK.
5. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF MECHANICAL UNITS, ALL FRAMES FOR MECHANICAL UNITS SHALL BE C4x5.4 U.N.O.
6. T.J. ON PLAN DENOTES TIE JOIST. SEE DETAIL #3 ON DRAWING S1.3.
7. JOIST SUPPLIER TO ALLOW FOR POINT LOADS FROM SPRINKLER LINES IN JOIST DESIGN. REFER TO DETAIL #2 ON DRAWING S103. COORDINATE WITH SPRINKLER CONTRACTOR.
8. DECK AND JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 15 P.S.F.
9. REFER TO ARCHITECTURAL DRAWINGS FOR BLOCK WALL PARTITION OPENINGS. PROVIDE LINTELS TO SUIT AS PER DETAIL TM-WAL-11 & TM-WALL-12 ON DWGS. S1.2.
10. SLOPE STRUCTURE TO PROVIDE POSITIVE ROOF DRAINAGE. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ROOF SLOPES AND DRAIN LOCATIONS.
11. DESIGN LOADS: (SPECIFIED)
    DEAD LOAD = 24 P.S.F. (INCLUDING JOIST SELF WT.) SNOW
    LOAD = 49 P.S.F.
    TOTAL = 73 P.S.F. PLUS SNOW PILE
12. REFER TO DRAWING S100 SERIES FOR GENERAL NOTES AND TYPICAL DETAILS.
13. LIMIT LIVE LOAD DEFLECTION OF JOISTS TO L/360 THROUGHOUT.
14. FOR BRACING ELEMENTS SIZE AND FORCES SEE DWG. S300.
15. STEEL STUDS GAUGE & SPACING GIVEN ON ROOF SECTIONS ARE FOR PRICING PURPOSES ONLY. A STAMPED SHOP DRAWINGS FOR STEEL STUDS DESIGN NEEDS TO BE PROVIDED FOR CONSULTANT REVIEW.
16. REFER TO ARCH. DWGS FOR LOCATION OF MECH. UNITS SCREEN WALL.
17. REFER TO DETAIL TM-LATS-12 ON DRAWING S1.2. FOR LATERAL SUPPORT OF MASONRY PARTITION WALLS.
18. ALL EXPOSED STEEL TO BE HOT DIPPED GALVANIZED.
19. JOIST AND DECK SUPPLIER TO ALLOW FOR ROOF PAVER LOAD OF 25 P.S.F. (WORKING) IN ADDITION TO DESIGN LOAD. SEE ARCHITECTURAL DRAWING FOR LOCATIONS.
20. ALL GIRT CONNECTIONS SHOWN TAKE 20 KIPFT TORSION LOAD.
21. ALL BEAM/JOIST GIRDER/TIE JOIST TAKE 15 KIP AXIAL LOAD UNO.

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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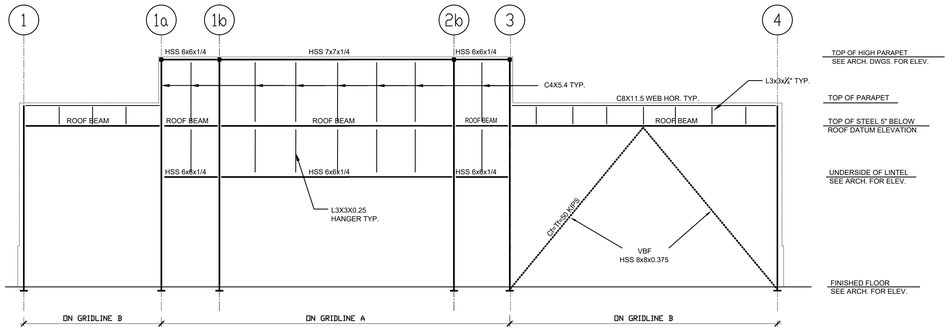
NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
1"
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 31 OF: 53

DISCIPLINE: STRUCTURAL

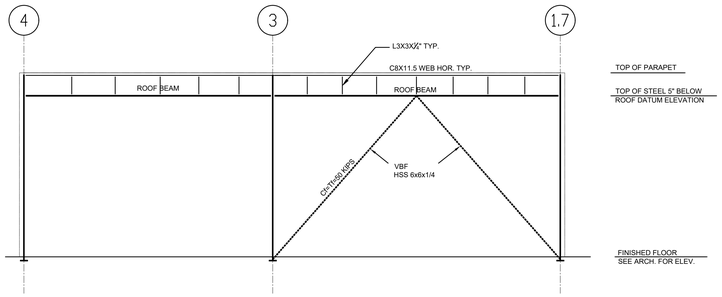
TITLE:
ROOF FRAMING PLAN

SHEET NUMBER:
S2.1



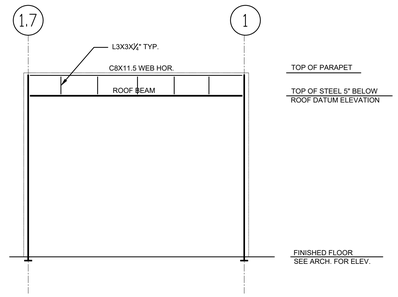
6 S3.0 FRONT ELEVATION

SCALE: 1/8" = 1'-0"



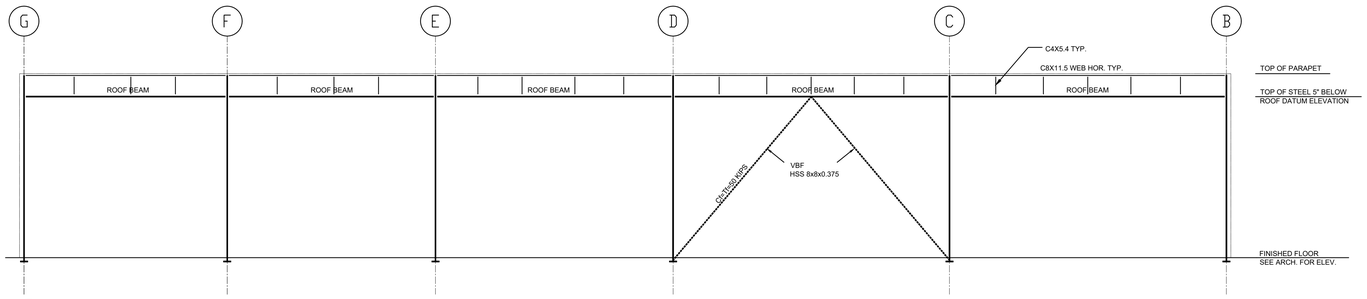
5 S3.0 REAR ELEVATION ON GRIDLINE 'F'

SCALE: 1/8" = 1'-0"



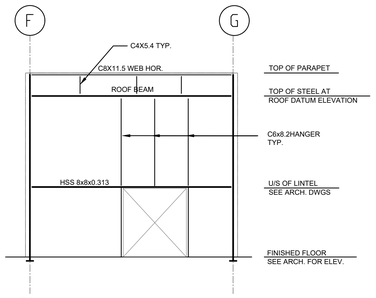
4 S3.0 REAR ELEVATION ON GRIDLINE 'G'

SCALE: 1/8" = 1'-0"



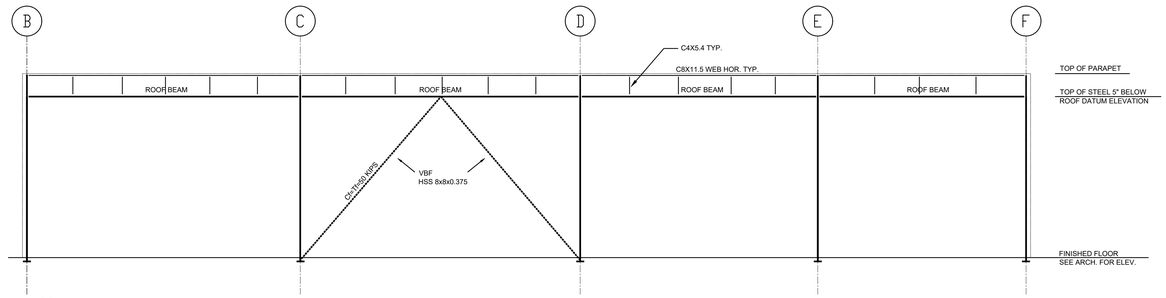
3 S3.0 SIDE ELEVATION ON GRIDLINE '1'

SCALE: 1/8" = 1'-0"



2 S3.0 SIDE ELEVATION ON GRIDLINE '1.7'

SCALE: 1/8" = 1'-0"



1 S3.0 SIDE ELEVATION ON GRIDLINE '4'

SCALE: 1/8" = 1'-0"

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PAGE #: 32 OF: 53

DISCIPLINE: STRUCTURAL

TITLE:

ELEVATIONS

SHEET NUMBER:

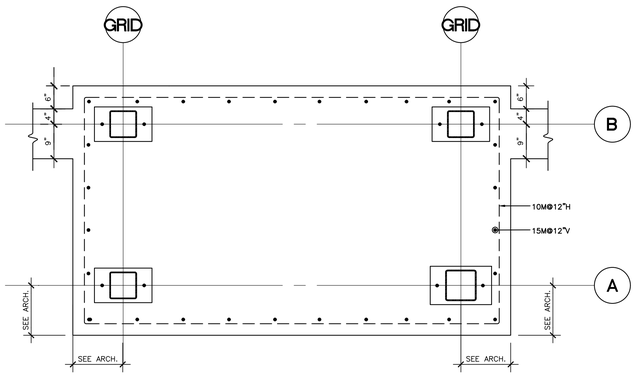
S3.0

COLUMN SCHEDULE (HSS COLUMNS TO BE CLASS 'C')

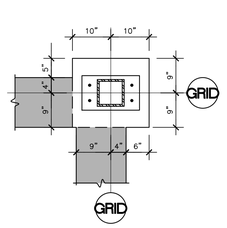
MARK / DATA	C1	C2	C3	C4	C5	C6	C7
T/O HIGH PARAPET ELEV. 130'-0"							
T/O LOW PARAPET ELEV. 124'-0"							
U/S ROOF DECK ELEV. 122'-0" (H.L.)							
GROUND FLOOR ELEV. 100'-0"	HSS 8"x8"x0.313"	HSS 8"x8"x0.250"	HSS 8"x8"x0.313"	HSS 8"x8"x0.250"	HSS 7"x7"x0.250"	HSS 8"x8"x0.250"	HSS 7"x7"x0.250"
U/S BASE PLATE	– 6" UNLESS NOTED OTHERWISE – 1'-6" AT R.W.L., LOCATIONS DENOTED THUS ⊗ ON PLAN.						
BASE PLATE SIZE	10"x3/4" x1'-4"	10"x3/4" x1'-4"	10"x3/4" x1'-4"	10"x3/4" x1'-4"	9"x3/4" x1'-3"	10"x3/4" x1'-4"	9"x3/4" x1'-3"
	AT BRACING COLUMNS MARKED * PROVIDE BASE PLATE THICKNESS OF 1" (MIN.)						
ANCHOR BOLTS	4–3/4" ø THROUGHOUT 1'-6" 2" FOR COLUMNS MARKED THUS * PROVIDE 4–1 1/2"ø 2'-6" 4" (UNLESS NOTED OTHERWISE)						
REMARKS	LONG DIMENSION OF BASE PLATE IS PARALLEL TO LINE OF JOISTS AND EXTERIOR WALL. PROVIDE 6mm LEVELLER PLATE AT EACH COLUMN, 1/2" PROJECTION ALL AROUND BASE PLATE. PROVIDE 1/2" CAP PLATE (MINIMUM) FOR ALL COLUMNS.						

SPREAD FOOTING SCHEDULE

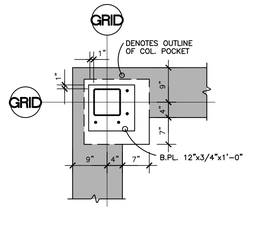
MARK / DATA	F1	F2	F3	F4	F5	F6
SIZE	6'–6"x 6'–6"	6'–0"x 6'–0"	6'–6"x 6'–6"	4'–0"x 4'–0"	3'–6"x 3'–6"	SEE PLAN
DEPTH (MIN.)	1'–4"	1'–4"	1'–4"	1'–2"	1'–2"	1'–4"
REINFORCING (B.E.W.)	7–15M	7–15M	8–15M T&B E.W	5–15M	4–15M	15M@10"
LOAD IN KIPS (WORKING)	114	97	114	43	33	120
REMARKS	1. BEARING CAPACITY 3000 P.S.F. (150 kPa) 2. PROVIDE DOWELS TO MATCH PIER VERTICALS.					



PIER P5 - REINF. WITH 15@12"V & 10@12"H
SCALE: 3/4" = 1'-0"

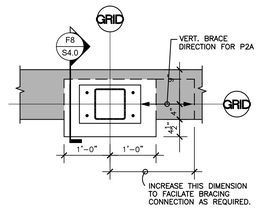


PIER P4 - 18"x20"
SCALE: 3/4" = 1'-0"
4-20M V



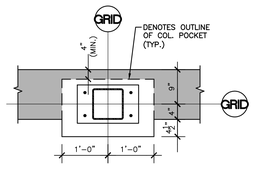
PIER P3 - 20"x20"
SCALE: 3/4" = 1'-0"

PIER P3A - (4-20M V)
SCALE: 3/4" = 1'-0"

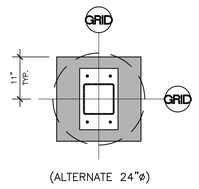


PIER P2A - 20"x24"
SCALE: 3/4" = 1'-0"
4-20 EQUALLY DISTRIBUTED, 10M@12" TIES (SEE DETAIL A/S400)

COLUMN PROFILE SHOWN MAY VARY WITH COLUMNS SHOWN ON COLUMN SCHEDULE.
REINFORCE ALL PIERS WITH 4-15M VERTICALS, 10M@12" TIES UNLESS NOTED OTHERWISE.
REFER TO DETAIL A/S400 FOR TIE REINF. DETAIL AT BRACING COLUMNS (MARKED AS *).

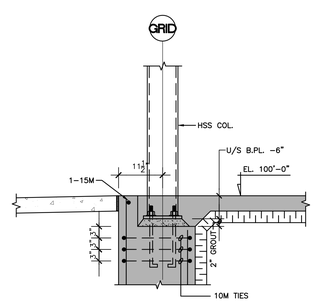


PIER P2 - 20"x24"
SCALE: 3/4" = 1'-0"

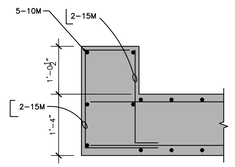


(ALTERNATE 24"ø)

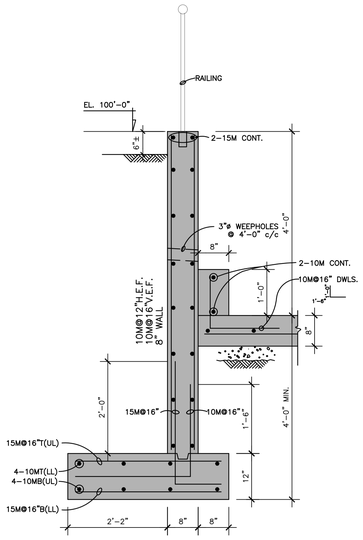
PIER P1 - 22"x22"
SCALE: 3/4" = 1'-0"



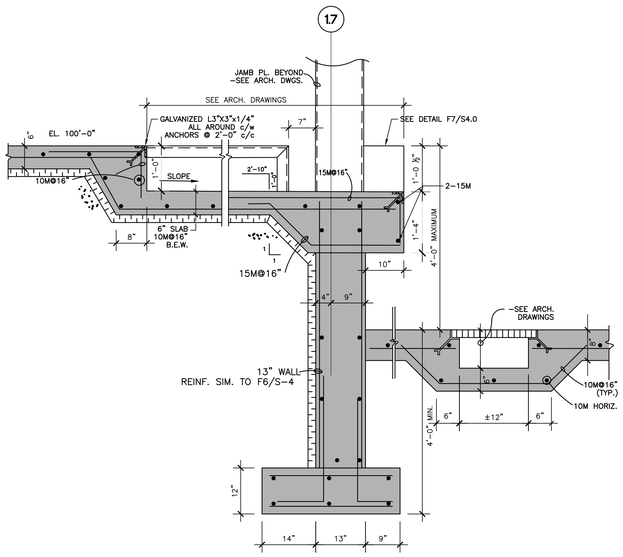
F8 / S4.0 DETAIL @ BRACING COLUMNS
SCALE: 3/4" = 1'-0"
REFER TO SECT. F2 FOR REMAINDER OF SECTION



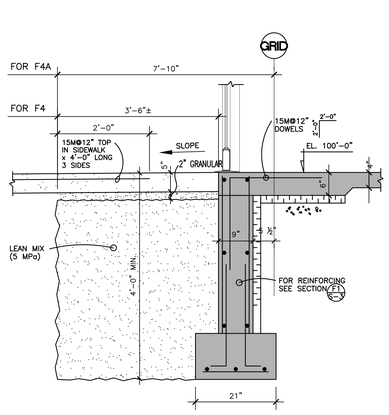
F7 / S4.0 SECTION
SCALE: 3/4" = 1'-0"



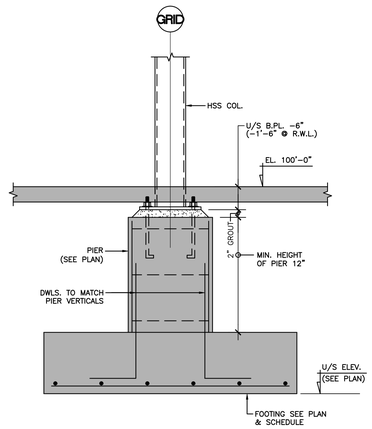
F6 / S4.0 SECTION
SCALE: 3/4" = 1'-0"



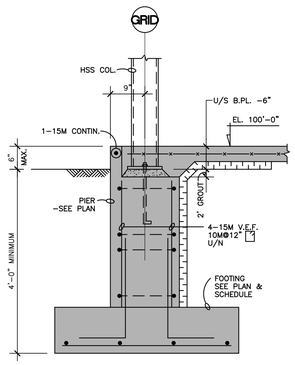
F5 / S4.0 SECTION
SCALE: 3/4" = 1'-0"



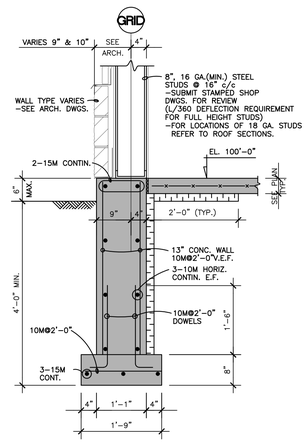
F4 / S4.0 SECTION
SCALE: 3/4" = 1'-0"
FROST SLAB DETAIL



F3 / S4.0 SECTION
SCALE: 3/4" = 1'-0"



F2 / S4.0 SECTION
SCALE: 3/4" = 1'-0"
DETAIL @ EXTERIOR PIER/FOOTING



F1 / S4.0 SECTION
SCALE: 3/4" = 1'-0"
TYPICAL EXTERIOR WALL SECTION U/N

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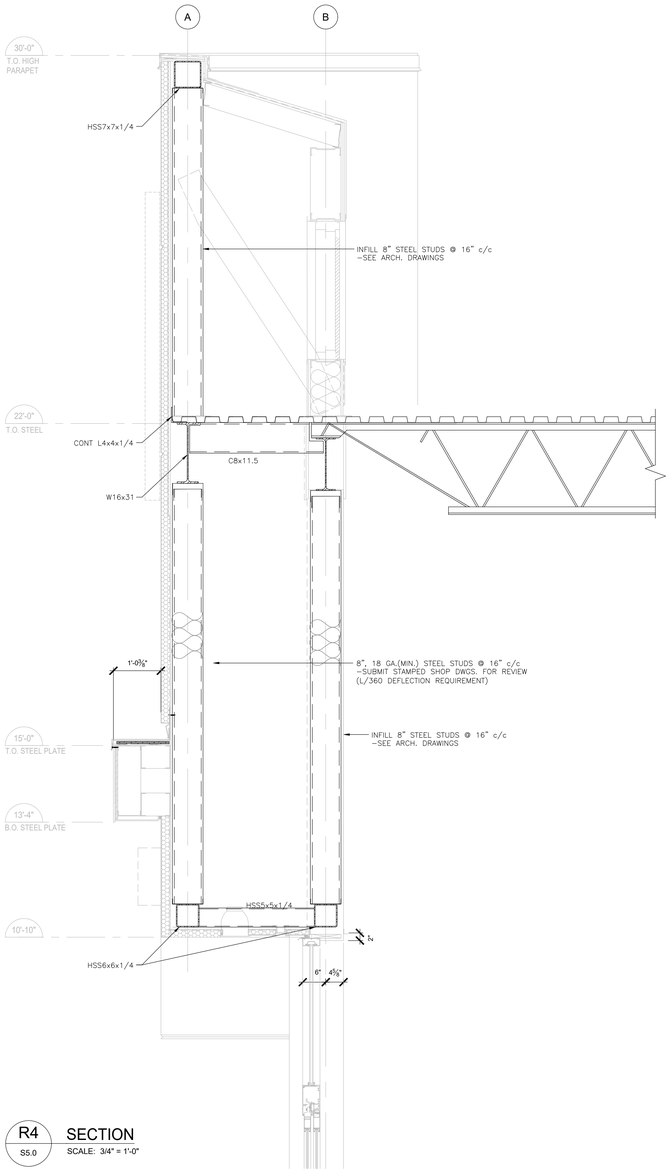
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TITLE:

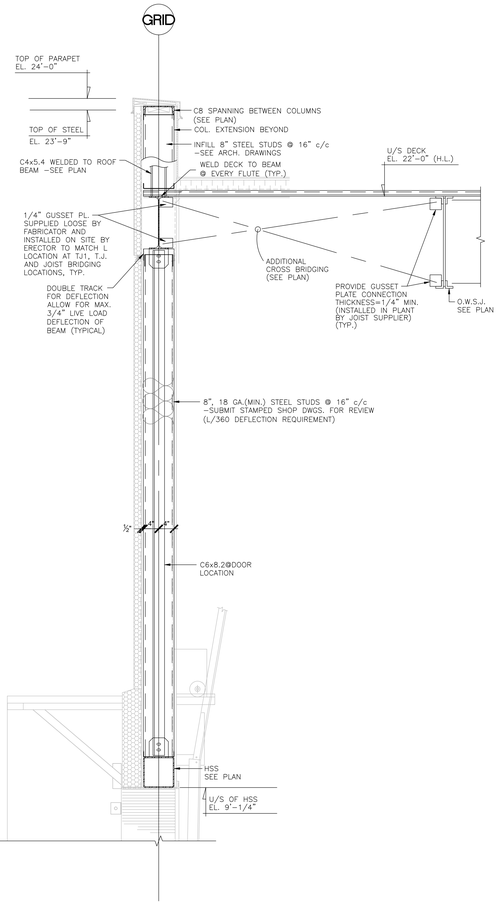
SCHEDULES, PIER DETAILS & FOUNDATION SECTIONS

SHEET NUMBER:

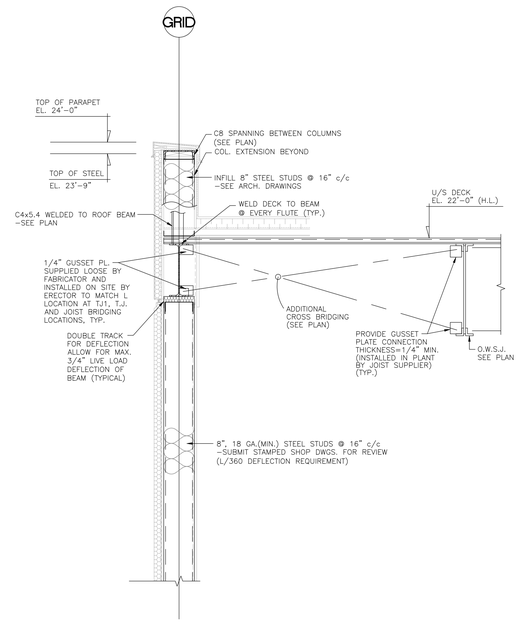
S4.0



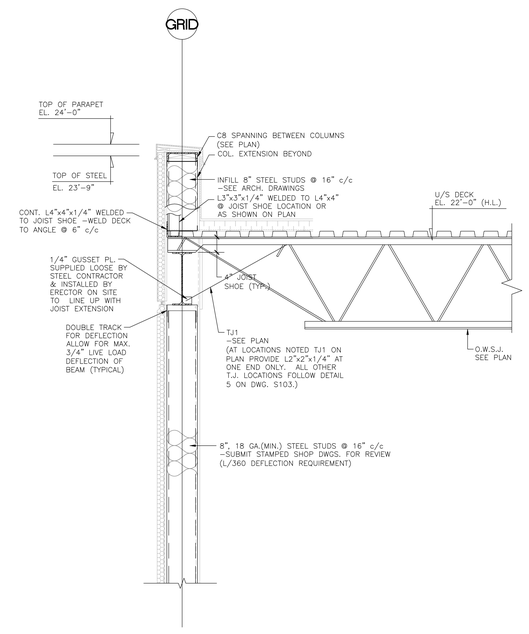
R4 SECTION
S5.0 SCALE: 3/4" = 1'-0"



R3 SECTION
S5.0 SCALE: 3/4" = 1'-0"



R2 SECTION
S5.0 SCALE: 3/4" = 1'-0"



R1 SECTION
S5.0 SCALE: 3/4" = 1'-0"

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1"

DISCIPLINE: STRUCTURAL

TITLE:

WALL SECTIONS

SHEET NUMBER:

S5.0

MECHANICAL GENERAL NOTES:

A. **DESIGNED AS PER THE LATEST EDITION OF ASHRAE.**

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 DUCT DROPS FROM THE RTU SHALL BE RECTANGULAR. HORIZONTAL SUPPLY AND RETURN TRUNK DUCTS AND BRANCHES CONCEALED ABOVE HUNG CEILINGS MAY BE ROUND. ALL ROUND ELBOWS SHALL BE LONG SWEEP ELBOWS. ALL RECTANGULAR/SQUARE ELBOWS SHALL HAVE TURNING VANES. 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 PETSMART.

E. THE CONTRACTOR SHALL INSTALL THE SUPPLY DIFFUSER PACKAGE ON SALES FLOOR RTU'S 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 LOCAL CODES AND PRACTICES. IF THE NUMBER OR THE NUMBER AND LOCATION OF THE SMOKE DETECTORS ARE NOT IN COMPLIANCE, THE HVAC SUBCONTRACTOR SHALL CONTACT THE TENANT FINISH ARCHITECT / ENGINEER IMMEDIATELY FOR DIRECTION. THE HVAC SUB CONTRACTOR SHALL BE RESPONSIBLE TO INCLUDE IN HIS BASE BID WORK THE COST 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. ALL DUCT DIMENSIONS SHOWN ON PLAN ARE FOR INTERIOR CLEAR OPENING SIZES. (DUCT FABRICATOR SHALL ADJUST DUCT SIZE TO ACCOMMODATE INTERNAL DUCT INSULATION).

I. **GENERAL CONTRACTOR IS TO CONTACT LENNOX TO GET AN "EQUIPMENT OPERATING CHECK-LIST" (EOC) REPORT. THIS IS NOT A START-UP REPORT.**

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.

L. ALL VERTICAL SUPPLY AIR DUCTWORK DROPS FROM THE ROOF TOP UNITS SHALL HAVE A SMOOTH RADIUS BEND TRANSITION TO THE HORIZONTAL DISTRIBUTION

M. CONTRACTOR IS TO INSTALL REMOTE DUCT SMOKE DETECTOR TEST STATIONS.

ROOF TOP UNIT SCHEDULE:

MARK	MODEL NO.	NOMINAL TONS	FAN DATA S.A. CFM	FAN DATA MIN. O.A. CFM	FAN DATA TOTAL SP	FAN DATA H.P.	FAN DATA DRIVE KIT	COOLING DATA GROSS COOLING (MBH)	COOLING DATA SENSIBLE COOLING (MBH)	COOLING DATA ENTERING TEMP. DB/WB °F	COOLING DATA AMBIENT TEMP.	HEATING DATA GAS HTG. INPUT (MBH)	HEATING DATA GAS HTG. OUTPUT (MBH)	ELECTRICAL DATA VOLTAGE/ PHASE/ Hz	ELECTRICAL DATA MCA	ELECTRICAL DATA MOCP		HUMIDITROL	WEIGHT (LBS)	AREA SERVED
RTU-1	LGT072H5EX1J	6	2400	600	–	1.5	ECM DIRECT DRIVE (MSAV)	72.1	55.5	80/67	95.0	150/113	121/92	575/3/60	12	15	IEER/EER 17.3/12.2	NO	830	VESTIBULE/CASH/ STAFF/OFFICES/SALES
RTU-2	LGT048H5EX1J	4	1600	368	–	1.0	ECM DIRECT DRIVE (MSAV)	48.7	35.6	80/67	95.0	150/113	121/92	575/3/60	9	15	SEER2/EER2 17.3/13.0	YES	826	SALON
RTU-3	LGT060H5EX1J	5	1850	460	–	1.0	ECM DIRECT DRIVE (MSAV)	61.5	46.1	80/67	95.0	150/113	121/92	575/3/60	11	15	SEER2/EER2 16.4/12.5	YES	830	BATHING/DRYING/ WASHROOMS
RTU-4	LGT092H5EM1J	7.5	3000	750	–	3.75	ECM DIRECT DRIVE (MSAV)	92.8	66.8	80/67	95.0	180/117	144/93.6	575/3/60	17	20	IEER/EER 16.1/12.3	YES	1239	SALES
RTU-5	LGT072H5EX1J	6	2400	600	–	1.5	ECM DIRECT DRIVE (MSAV)	72.1	55.5	80/67	95.0	150/113	121/92	575/3/60	12	15	IEER/EER 17.3/12.2	NO	830	FISH/ADOPTIONS /STAFF
RTU-6	LGT092H5EM1J	7.5	3000	750	–	3.75	ECM DIRECT DRIVE (MSAV)	92.8	66.8	80/67	95.0	180/117	144/93.6	575/3/60	17	20	IEER/EER 16.1/12.3	NO	1239	SALES
RTU-7	LGT092H5EM1J	7.5	3000	750	–	3.75	ECM DIRECT DRIVE (MSAV)	92.8	66.8	80/67	95.0	180/117	144/93.6	575/3/60	17	20	IEER/EER 16.1/12.3	NO	1239	SALES
RTU-8	LGT060H5EX1J	5	2000	460	–	1.0	ECM DIRECT DRIVE (MSAV)	61.5	46.1	80/67	95.0	150/113	121/92	575/3/60	11	15	SEER2/EER2 16.4/12.5	NO	830	RECEIVING
TOTAL			4,738																	

- EQUIPMENT PROVIDED BY LENNOX NATIONAL ACCOUNTS, NO SUBSTITUTES ALLOWED. CONTACT LENNOX NATIONAL ACCOUNTS: JANE GUNTER, PHONE: 1-972-497-6869 OR CONTACT ADRIAN SOSA, PHONE: 1-949-439-7847, TECHNICAL SUPPORT: 1-800-367-6286, APPLICATION SUPPORT: 1-888-595-4962. SEE SHEET F2.0 FOR FURTHER INFORMATION.
- ALL ROOFTOP UNITS ARE TO BE INSTALLED WITH NEW STANDARD 18" HIGH CURBS.
- ALL RTU'S ARE TO BE FURNISHED WITH FACTORY INSTALLED SMOKE DETECTORS IN THE MAIN SUPPLY AIR DUCT.

- RTU–4, 6 & 7 SHALL BE FURNISHED WITH S–3 4–WAY DROP DIFFUSER, "CURBS PLUS INC." MODEL DLPD 2406–7.5/8.5 DIFFUSER ASSEMBLY; SEE DETAIL 1/M2.0.
- RTU–8 SHALL BE FURNISHED WITH S–3 4–WAY DROP DIFFUSER, "CURBS PLUS INC." MODEL DLPD 1806–5/6 DIFFUSER ASSEMBLY; SEE DETAIL 1/M2.0.
- FIELD ADJUST FAN RPM TO PROVIDE AIR QUANTITIES AS SCHEDULED ABOVE.
- ALL RTU'S TO BE FURNISHED WITH FACTORY INSTALLED NON–FUSED DISCONNECT SWITCH.
- ALL RTU'S TO BE FURNISHED WITH FACTORY INSTALLED 120V GFCI CONVENIENCE OUTLET, FIELD WIRED
- ALL RTU'S ARE TO BE FURNISHED WITH FACTORY INSTALLED SMOKE DETECTORS IN THE MAIN SUPPLY AIR DUCT.
- COORDINATE RTU PLACEMENT WITH STRUCTURAL FRAMING.
- ALL RTU'S TO BE INSTALLED WITH FULL SIZE SUPPLY AND RETURN DROPS
- ALL RTU'S SHALL BE FURNISHED WITH FACTORY INSTALLED GLOBAL ECONOMIZERS AND BAROMETRIC RELIEF.
- LENNOX TO PROVIDE HAIL GUARDS ON ALL RTU'S. CONTRACTOR SHALL FIELD INSTALL.
- RTU–2, 3, & 4 SHALL BE PROVIDED WITH HUMIDITROL OPTION. UNITS TO BE SUPPLIED WITH DUAL HUMIDITY/TEMPERATURE SENSOR LENNOX PART NUMBER (21W06).
- RTU–1, 5, 6, 7, & 8 FURNISHED WITHOUT HUMIDITROL OPTION SHALL BE PROVIDED WITH TEMPERATURE SENSOR LENNOX PART NUMBER (94L60).
- RTU–4, 6 & 7 ARE TO BE 2 STAGE MEDIUM HEAT.
- RTU–1, 2, 3, 5 & 8 ARE TO BE 2 STAGE HIGH HEAT.

- ALL RTU'S TO BE PROVIDED WITH LENNOX COASTAL COATING ON EVAPORATOR AND CONDENSING COILS IN AREAS WITHIN 25 MILES OF BRACKISH WATER (FRESH WATER/SALT WATER MIX).

HUMIDITY CONTROL:

RTU–2, 3 & 4 ARE PROVIDED WITH LENNOX HUMIDITROL DEHUMIDIFICATION SYSTEM; USING THE PRODIGY CONTROL SYSTEM SET THE RELATIVE HUMIDITY@ 55% AND ENABLE THE HUMIDITROL TO RUN DURING OCCUPIED AND UNOCCUPIED HOURS. CONTACT LENNOX NATIONAL ACCOUNT TECHNICAL SUPPORT (1–800–867–6285) FOR ASSISTANCE WITH PROPER SETUP.

NOTE:

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

FAN SCHEDULE:

MARK	UNIT #	MANUFACTURER	MODEL #	FAN DATA CFM	FAN DATA E.S.P.	FAN DATA B.H.P.	FAN DATA DRIVE PACKAGE	VOLTAGE	AREA SERVED	OPERATION
EF	1	CAPTIVE AIR	DR12HFA	350	0.375	0.06	DIRECT	120	COPY/EQUIPMENT	CONTROLLED BY EMS
EF	2	CAPTIVE AIR	DR85HFA	1875	0.5	0.30	DIRECT	120	BATHING/DRYING /MOP SINK	CONTROLLED BY EMS
EF	3	CAPTIVE AIR	DR50HFA	1450	0.5	0.30	DIRECT	120	ADOPTION/FISH /STAFF	CONTROLLED BY EMS
EF	4	CAPTIVE AIR	DR12HFA	300	0.375	0.06	DIRECT	120	WASHROOMS	CONTROLLED BY EMS

- **ALL CAPTIVEAIRE FANS SHALL BE PART OF THE LENNOX EQUIPMENT PACKAGE.**
- OPTIONS: GRAVITY BACKDRAFT DAMPER (SLEEVE TYPE), BIRD SCREEN, CURB, EC MOTOR WITH POTENTIOMETER DIAL, 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.
- ALL FANS TO BE MONITORED BY EMS.

DESIGNER NOTE: DETAIL IS FOR REFERENCE VALUE ONLY. 1" = 1'-0"

DESIGNER NOTE: REMOVE IF HAIL GUARDS ARE NOT REQUIRED. LIMITS IN SOUTH AND MIDDLE REGIONS. SEE MAP ON THIS SHEET.

DESIGNER NOTE: REMOVE IF COASTAL COATING IS NOT REQUIRED

RTU SCHEDULE DESIGNER NOTES:

VERIFY THAT THE COMPUTER MODEL NUMBER IS IN THE CATALOG SPECIFIED. NOTIFY THE ENGINEER IF THE EQUIPMENT IS NOT AVAILABLE IN THE SPECIFIED CONFIGURATION. THE CONTRACTOR IS TO SUBMIT THE EQUIPMENT SELECTION BASED ON THE BEST AVAILABLE ENGINEERING DATA FOR THE UNIT SELECTED.

INFORMATION SHOWN IN THE RTU SCHEDULE IS BASED ON A LATEST INFORMATION AVAILABLE FOR SPECIFIC DESIGN CONDITIONS ACCORDING TO PROJECT.

CHECK LOCAL CODE FOR SMOKE DETECTOR REQUIREMENTS AND REVISE SCHEDULE AS

GLOBAL ECONOMIZERS ARE NOT RECOMMENDED FOR COLD CLIMATES. THIS CONFIGURATION IS NOT SUPPORTED BY LENNOX AND WITH PETSMART CONSTRUCTION MANAGER.

DESIGNER NOTE: USE HAIL MAP TO DETERMINE IF HAIL GUARDS ARE REQUIRED. IF HAIL GUARDS ARE REQUIRED, THE ENGINEER IS TO SPECIFY THAT THE HAIL GUARDS BE PROVIDED WITH THE UNITS. HAIL GUARDS ARE TO BE INSTALLED BY THE CONTRACTOR IN THE FIELD AND NOT FACTORY INSTALLED. CONTACT LENNOX NATIONAL ACCOUNTS FOR PROPER HAIL GUARD SELECTION. REFER TO ROOF TOP UNIT SCHEDULE NOTES ACCORDINGLY.

DESIGNER NOTE: REMOVE FROM DRAWINGS PRIOR TO ISSUING.

DESIGNER NOTE: REMOVE FROM DRAWINGS PRIOR TO ISSUING.

DESIGN CRITERIA

BUILDING ENVELOPE U-FACTORS:
ROOF: 0.031 INSIDE DESIGN TEMP: SEE CHART ON SHEET M1.0 AT 50% R.H.
WALL: 0.034 FOR BOTH SUMMER AND WINTER
GLASS: 0.494 (ASSUMED WEST FACING FOR PROTOTYPE)
1" INSULATED LOW "E" GLASS IS TYPICAL. USE 1" INSULATED LOW "E" GRAY GLASS IN GEOGRAPHICAL LOCATIONS FACING BETWEEN SOUTH AND SOUTHWEST AND NORTHWEST (VERIFY WITH PETSMART).

WEATHER:
PROTOTYPE IS DESIGNED USING TORONTO, ON WEATHER CONDITIONS OF THE 2020 ASHRAE WEATHER DATA: 1% COLUMN FOR COOLING, 99% COLUMN FOR HEATING.

HEATING:
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 LG. 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 ASHRAE 62.1.

DESIGN CRITERIA

ZONE	PEOPLE	EQUIPMENT	VENTILATION (OUTDOOR AIR)	EXHAUST
SALES	-	3500 WATTS	7.5 / 0.12 PEOPLE / AREA CFM	-
TOILETS	-	-	-	50 CFM/WC
ASSOC. RESOURCE	8	2500 WATTS	5.0 / 0.06 PEOPLE / AREA CFM	-
BATHING	4	-	7.5 / 0.18 PEOPLE / AREA CFM	0.9 CFM/SF
DRYING	4	400 WATTS	7.5 / 0.18 PEOPLE / AREA CFM	0.9 CFM/SF
SALON	10	1250 WATTS	7.5 / 0.18 PEOPLE / AREA CFM	-
OFFICE	1	1200 WATTS	5.0 / 0.06 PEOPLE / AREA CFM	-
VESTIBULE	-	-	0.06 CFM/SF AREA CFM	-
COMPUTER/COPY	2	2000 WATTS	20 CFM / PERSON	350 CFM
VAULT	1	-	5.0 / 0.06 PEOPLE / AREA CFM	-
HALL	-	-	0.06 CFM / SQ. FT	-
RECEIVING (STORAGE)	3	6750 WATTS	0.12 CFM / SQ. FT	-
HOLDING	-	-	7.5 / 0.18 PEOPLE / AREA CFM	0.9 CFM/SF
FISH EQUIPMENT	-	2500 WATTS	0.12 CFM / SQ.FT	-
ADOPTIONS	2	-	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.

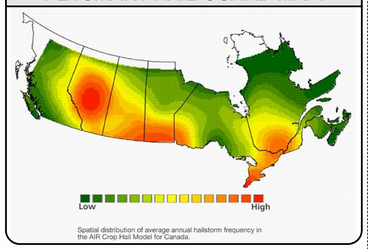
SPECIFY SEISMIC RESTRAINT SYSTEMS FOR ALL PIPING, DUCTWORK AND EQUIPMENT AS REQUIRED IN ACCORDANCE WITH APPLICABLE CODES.

HVAC OPERATING TEMPERATURES (°F):

RTU	STORE AREA	COOLING SETPOINTS 6AM – 10 PM	COOLING SETPOINTS 10 PM– 6 AM	HEATING SETPOINTS 6 AM – 10 PM	HEATING SETPOINTS 10 PM – 6 AM
1	OFFICES	73°F	78°F	68°F	64°F
2	SALON	73°F	75°F	68°F	64°F
3	BATHING/DRYING/ WASHROOMS	73°F	75°F	68°F	64°F
4, 6 & 7	SALES	73°F	78°F	69°F	64°F
5	FISH EQUIPMENT/ASSOC. RESOURCES	73°F	75°F	68°F	67°F
8	RECEIVING	73°F	78°F	68°F	64°F

PETSMART HUMIDITROL MAP:

PETSMART HAIL GUARD MAP:



Spatial distribution of average annual hailstorm frequency in the Afr Crop Hail Model for Canada.

AIR DISTRIBUTION DEVICE SCHEDULE:

MARK	MANUFACTURER	MODEL #	FACE	STYLE	BORDER TYPE	FINISH	DESCRIPTION
E1	KRUEGER	6690	24"x24"	PERFORATED	(F23) LAY–IN	BRITISH WHITE (44)	STEEL, ROUND NECK. SEE PLAN FOR NECK SIZE.
E2	KRUEGER	S56690	24"x24"	PERFORATED	(F23) LAY–IN	BRITISH WHITE (44)	ALUMINUM, ROUND NECK. SEE PLAN FOR NECK SIZE.
E3	KRUEGER	5DMGPR	SEE PLAN	LOUVERED	SURFACE	FIELD PAINTED DOVER GREY	DUCT MOUNTED, ALUMINUM, DOUBLE DEFLECTION, **C/W DAMPER/EXTRACTOR**
E4	KRUEGER	S580HZ	24"x24"	LOUVERED	(F23) LAY–IN	BRITISH WHITE (44)	ALUMINUM, TOP HINGED FACE WITH KNURLED KNOBS. NO SCREW HOLES. PROVIDE 1" FILTER FRAME. SEE PLAN FOR NECK SIZE.
R1	KRUEGER	S80P	48"X24"	PERFORATED	(F23) LAY–IN 1" FILTER FRAME (ACCESSORIES 04)	BRITISH WHITE (44)	STEEL, TOP HINGE FACE WITH KNURLED KNOBS. PROVIDE 1" FILTER FRAME. SEE PLAN FOR NECK SIZE.
R2	KRUEGER	6490	24"X24"	PERFORATED	(F23) LAY–IN	BRITISH WHITE (44)	STEEL, SQUARE NECK. SEE PLAN FOR NECK SIZE.
R3	KRUEGER	S80H	SEE PLAN	LOUVERED	(F22) SURFACE MOUNT	BRITISH WHITE (44)	STEEL, RECTANGULAR NECK. 35 DEG. DEFLECTION.
S1	KRUEGER	SHR	24"X24"	LOUVERED	(F23) LAY–IN	BRITISH WHITE (44)	STEEL, ROUND NECK. SEE PLAN FOR NECK SIZE.
S2							
S3	CURBS PLUS	SALES: 2406–7.5/8.5 RECEIVING: 1806–5/6		DRUM DRUM	DUCT DROP MOUNTED DUCT DROP MOUNTED	SALES: PAINTED DOVER GRAY RECEIVING: BRITISH WHITE (44)	4–WAY DRUM DIFFUSER, DLPD 2406–7.5/8.5, ORDER FROM LENNOX. 4–WAY DRUM DIFFUSER, DLPD 1806–5/6 ORDER FROM LENNOX.
S4	KRUEGER	5DMGDR	SEE PLAN	LOUVERED	SURFACE	PAINTED DOVER GREY	ALUMINUM, DOUBLE DEFLECTION **C/W DAMPER EXTRACTOR**
S5	KRUEGER	PTBS	48"X6"	LINEAR SLOT	(F23) LAY–IN	BRITISH WHITE (44)	(3) 1" SLOTS, ALUMINUM BLADES, INSULATED PLENUM BOX, CENTER NOTCH (CN) FOR T–BAR
S6	KRUEGER	5SHR	24"X24"	LOUVERED	(F23) LAY–IN	BRITISH WHITE (44)	PROVIDE ALUMINUM ACCESSORIES FOR WET AREAS (BATHING/DRYING)
TR1	KRUEGER	6490	24"X24"	PERFORATED	(F23) LAY–IN	BRITISH WHITE (44)	STEEL, SQUARE NECK.
TR2	KRUEGER	S80H	SEE PLAN	LOUVERED	(F22) SURFACE MOUNT	BRITISH WHITE (44)	STEEL, SQUARE NECK. 35 DEG. DEFLECTION.

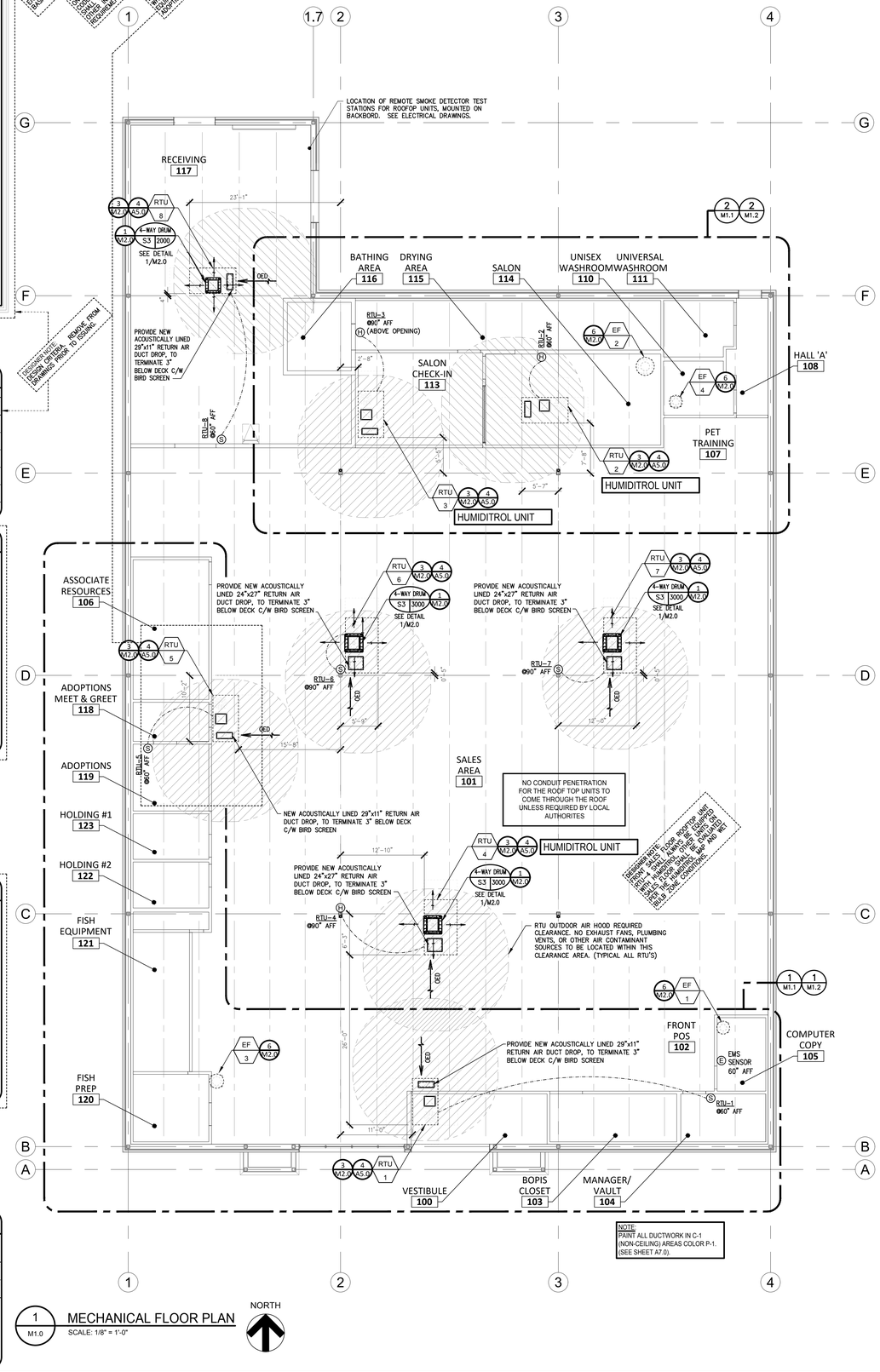
- **AIR DEVICES SHALL BE KRUEGER UNLESS OTHERWISE SPECIFIED IN SCHEDULE. NO SUBSTITUTIONS.**
- ALL AIR DISTRIBUTION DEVICES LOCATED IN BATHING/DRYING AREA SHALL BE ALUMINUM CONSTRUCTION.
- ROUND CONNECTION TO MATCH ROUND DUCT DIMENSION AS SHOWN ON FLOOR PLAN, REFER TO 2/M2.0. MANUFACTURER SUPPLIED TRANSITIONS ARE NOT ACCEPTABLE.
- FOR R-1 GRILLE THE CONTRACTOR IS TO PROVIDE:
  - ** TWO (2) 20"x18" PLEATED 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-6 RIGID INSULATION BLANKET, WITH VAPOR BARRIER, ON THE BACK OF ALL CEILING MOUNTED AIR DEVICES.
- FOR E-4 GRILLE THE CONTRACTOR IS TO PROVIDE:
  - ** ONE (1) 22"x22" WASHABLE SYNTHETIC HORSE HAIR POLYESTER FILTER.
  - ** PROVIDE ONE (1) ADDITIONAL FILTER PER GRILLE FOR ATTIC STOCK
  - ** PROVIDE ONE (1) ADDITIONAL SET OF KNURLED KNOBS TAPED TO THE INSIDE OF THE GRILLE.

MOTORIZED DAMPER SCHEDULE (MD#)

MARK	MANUF.	SIZE (dia.)	CFM MIN	CFM MAX	VOLTAGE	AREA SERVED	OPERATION
MD–1	APRILAIRE #6608	8"ø	60	125	6W@24VAC	HOLDING ROOM	THERMOSTAT CONTROLLED
MD–2	APRILAIRE #6608	8"ø	60	125	6W@24VAC	HOLDING ROOM	THERMOSTAT CONTROLLED

- **MOTORIZED DAMPERS ARE TO BE OBTAINED FROM NATIONAL VENDOR, LENNOX INDUSTRIES.**

- DAMPER SHALL BE DIRECTLY CONNECTED TO NECK OF DIFFUSER.
- FULLY INSULATE DIFFUSER AND DAMPER. SEE DETAIL SHEET M2.0
- MD–1&2: SEE WIRING DIAGRAM FOR ADDITIONAL INFORMATION ABOUT CONTROLLING DAMPER AND HEATER ON SHEET M2.0
- MD–1&2: MECHANICAL CONTRACTOR SHALL PROVIDE A 24VAC TRANSFORMER, TEMPERATURE PROBE AND TWO (2) CONTROL RELAYS FOR EACH



1 M1.0 MECHANICAL FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:
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.
THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

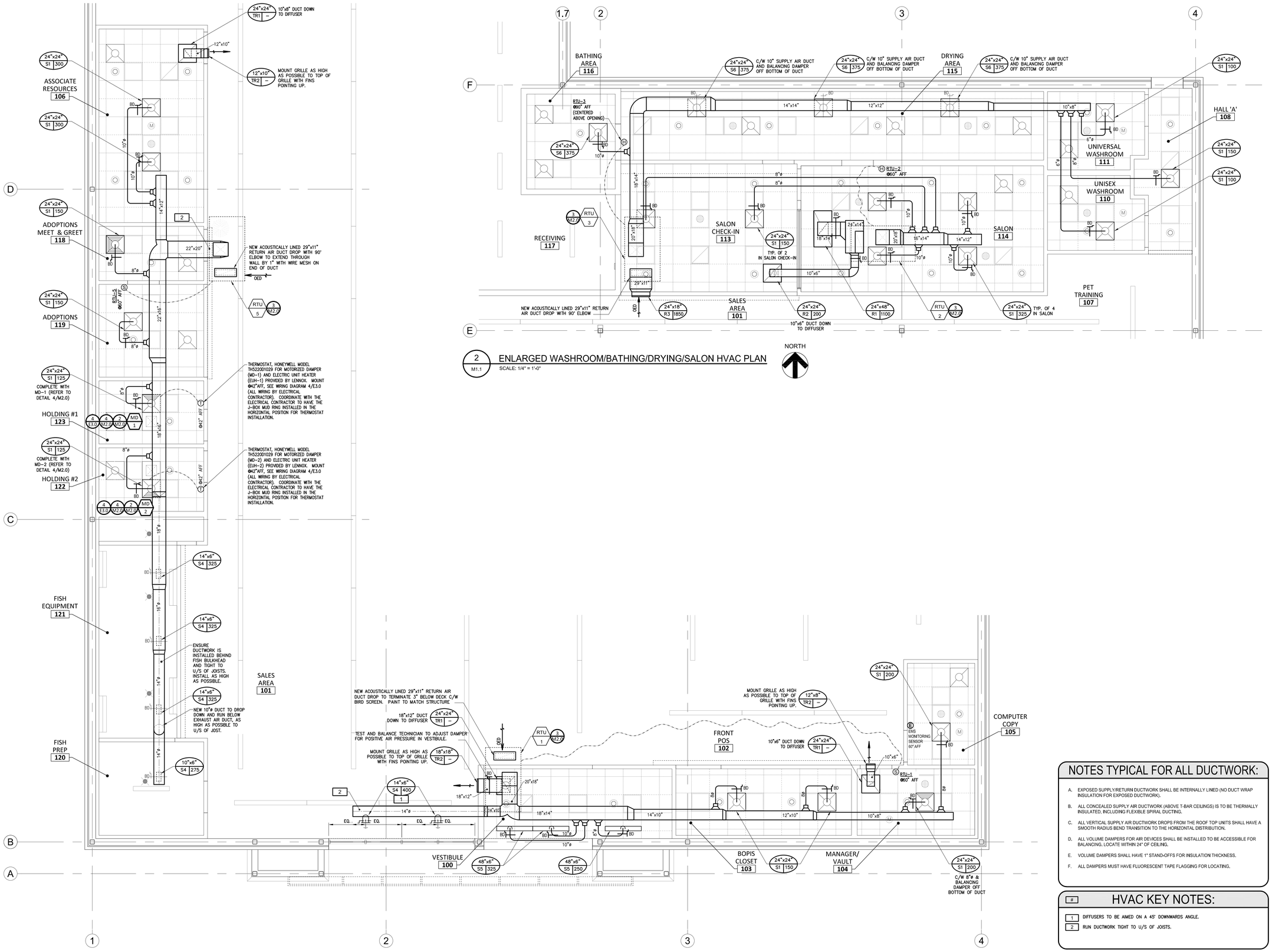
PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 35 OF: 53

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

DISCIPLINE: MECHANICAL

TITLE:
MECHANICAL FLOOR PLAN

SHEET NUMBER:
M1.0



2 M1.1 ENLARGED WASHROOM/BATHING/DRYING/SALON HVAC PLAN

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

NORTH

1 M1.1 ENLARGED VESTIBULE/OFFICE/STAFF/FISH/ADOPTIONS HVAC PLAN

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

NORTH

NOTES TYPICAL FOR ALL DUCTWORK:

A. EXPOSED SUPPLY/RETURN DUCTWORK SHALL BE INTERNALLY LINED (NO DUCT WRAP INSULATION FOR EXPOSED DUCTWORK).

B. ALL CONCEALED SUPPLY AIR DUCTWORK (ABOVE T-BAR CEILINGS) IS TO BE THERMALLY INSULATED, INCLUDING FLEXIBLE SPIRAL DUCTING.

C. ALL VERTICAL SUPPLY AIR DUCTWORK DROPS FROM THE ROOF TOP UNITS SHALL HAVE A SMOOTH RADIUS BEND TRANSITION TO THE HORIZONTAL DISTRIBUTION.

D. ALL VOLUME DAMPERS FOR AIR DEVICES SHALL BE INSTALLED TO BE ACCESSIBLE FOR BALANCING. LOCATE WITHIN 24" OF CEILING.

E. VOLUME DAMPERS SHALL HAVE 1" STAND-OFFS FOR INSULATION THICKNESS.

F. ALL DAMPERS MUST HAVE FLUORESCENT TAPE FLAGGING FOR LOCATING.

HVAC KEY NOTES:

#	
1	DIFFUSERS TO BE AIMED ON A 45° DOWNWARDS ANGLE.
2	RUN DUCTWORK TIGHT TO U/S OF JOISTS.

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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PAGE #: 36 OF: 53

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1"

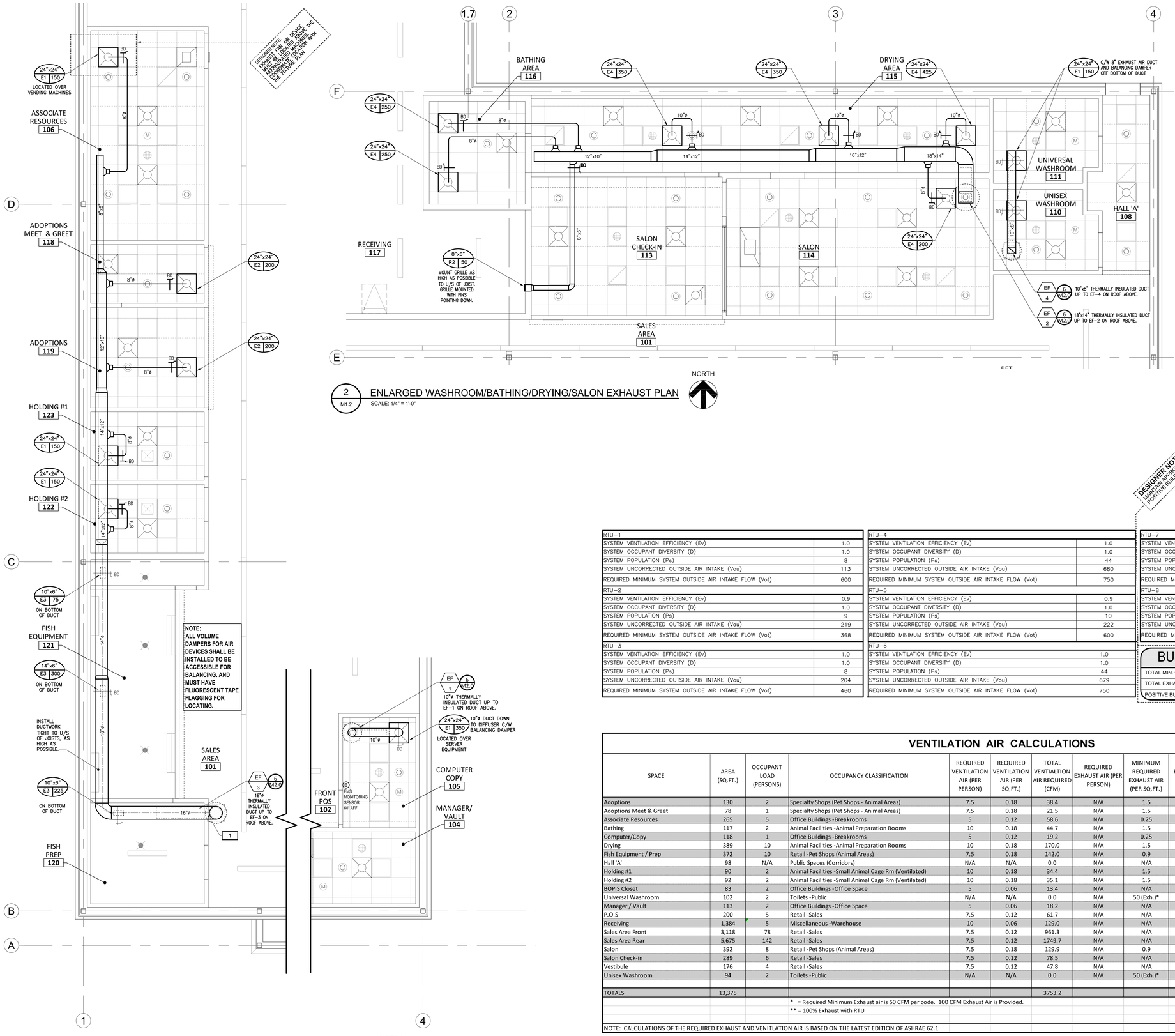
DISCIPLINE: MECHANICAL

TITLE:

ENLARGED SUPPLY/RETURN AIR FLOOR PLANS

SHEET NUMBER:

M1.1



2 M1.2 ENLARGED WASHROOM/BATHING/DRYING/SALON EXHAUST PLAN

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

1 M1.2 ENLARGED VESTIBULE/OFFICES/STAFF/FISH/ADOPTIONS EXHAUST PLAN

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

NOTES TYPICAL FOR ALL DUCTWORK:

A. ALL VOLUME DAMPERS FOR AIR DEVICES SHALL BE INSTALLED TO BE ACCESSIBLE FOR BALANCING.

B. ALL DAMPERS MUST HAVE FLUORESCENT TAPE FLAGGING FOR LOCATING.

HVAC KEY NOTES:

#	
1	RUN DUCTWORK TIGHT TO U/S OF JOISTS.

DESIGNER NOTE: MAINTAIN APPROXIMATE 200 CFM POSITIVE BUILDING PRESSURE.

RTU-1	
SYSTEM VENTILATION EFFICIENCY (Ev)	1.0
SYSTEM OCCUPANT DIVERSITY (D)	1.0
SYSTEM POPULATION (Ps)	8
SYSTEM UNCORRECTED OUTSIDE AIR INTAKE (Vou)	113
REQUIRED MINIMUM SYSTEM OUTSIDE AIR INTAKE FLOW (Vot)	600

RTU-2	
SYSTEM VENTILATION EFFICIENCY (Ev)	0.9
SYSTEM OCCUPANT DIVERSITY (D)	1.0
SYSTEM POPULATION (Ps)	9
SYSTEM UNCORRECTED OUTSIDE AIR INTAKE (Vou)	219
REQUIRED MINIMUM SYSTEM OUTSIDE AIR INTAKE FLOW (Vot)	368

RTU-3	
SYSTEM VENTILATION EFFICIENCY (Ev)	1.0
SYSTEM OCCUPANT DIVERSITY (D)	1.0
SYSTEM POPULATION (Ps)	8
SYSTEM UNCORRECTED OUTSIDE AIR INTAKE (Vou)	204
REQUIRED MINIMUM SYSTEM OUTSIDE AIR INTAKE FLOW (Vot)	460

RTU-4	
SYSTEM VENTILATION EFFICIENCY (Ev)	1.0
SYSTEM OCCUPANT DIVERSITY (D)	1.0
SYSTEM POPULATION (Ps)	44
SYSTEM UNCORRECTED OUTSIDE AIR INTAKE (Vou)	680
REQUIRED MINIMUM SYSTEM OUTSIDE AIR INTAKE FLOW (Vot)	750

RTU-5	
SYSTEM VENTILATION EFFICIENCY (Ev)	0.9
SYSTEM OCCUPANT DIVERSITY (D)	1.0
SYSTEM POPULATION (Ps)	10
SYSTEM UNCORRECTED OUTSIDE AIR INTAKE (Vou)	222
REQUIRED MINIMUM SYSTEM OUTSIDE AIR INTAKE FLOW (Vot)	600

RTU-6	
SYSTEM VENTILATION EFFICIENCY (Ev)	1.0
SYSTEM OCCUPANT DIVERSITY (D)	1.0
SYSTEM POPULATION (Ps)	44
SYSTEM UNCORRECTED OUTSIDE AIR INTAKE (Vou)	679
REQUIRED MINIMUM SYSTEM OUTSIDE AIR INTAKE FLOW (Vot)	750

RTU-7	
SYSTEM VENTILATION EFFICIENCY (Ev)	1.0
SYSTEM OCCUPANT DIVERSITY (D)	1.0
SYSTEM POPULATION (Ps)	44
SYSTEM UNCORRECTED OUTSIDE AIR INTAKE (Vou)	681
REQUIRED MINIMUM SYSTEM OUTSIDE AIR INTAKE FLOW (Vot)	750

RTU-8	
SYSTEM VENTILATION EFFICIENCY (Ev)	1.0
SYSTEM OCCUPANT DIVERSITY (D)	1.0
SYSTEM POPULATION (Ps)	0
SYSTEM UNCORRECTED OUTSIDE AIR INTAKE (Vou)	217
REQUIRED MINIMUM SYSTEM OUTSIDE AIR INTAKE FLOW (Vot)	460

BUILDING AIR BALANCE CALCULATIONS

TOTAL MIN. OA PROVIDED (RTU1- THRU RTU-8)	4738 CFM
TOTAL EXHAUST (EF-1 THRU EF-4)	3975 CFM
POSITIVE BUILDING PRESSURE CFM	763 CFM

VENTILATION AIR CALCULATIONS

SPACE	AREA (SQ.FT.)	OCCUPANT LOAD (PERSONS)	OCCUPANCY CLASSIFICATION	REQUIRED VENTILATION AIR (PER PERSON)	REQUIRED VENTILATION AIR (PER SQ.FT.)	TOTAL VENTIALTION AIR REQUIRED (CFM)	REQUIRED EXHAUST AIR (PER PERSON)	MINIMUM REQUIRED EXHAUST AIR (PER SQ.FT.)	MINIMUM EXHAUST AIR REQUIRED (CFM)	TOTAL EXHAUST AIR PROVIDED (CFM)	TOTAL SUPPLY AIR PROVIDED (CFM)	TOTAL VENTILATION AIR PROVIDED (CFM)	SYSTEM(S) PROVIDING OUTDOOR AIR (UNIT MARK)
Adoptions	130	2	Specialty Shops (Pet Shops - Animal Areas)	7.5	0.18	38.4	N/A	1.5	195.0	200	150	47	RTU-5 AND EF-3
Adoptions Meet & Greet	78	1	Specialty Shops (Pet Shops - Animal Areas)	7.5	0.18	21.5	N/A	1.5	117.0	200	150	30	RTU-5 AND EF-3
Associate Resources	265	5	Office Buildings -Breakrooms	5	0.12	58.6	N/A	0.25	66.3	150	600	89	RTU-5 AND EF-3
Bathing	117	2	Animal Facilities -Animal Preparation Rooms	10	0.18	44.7	N/A	1.5	175.5	500	375	58	RTU-3 AND EF-2
Computer/Copy	118	1	Office Buildings -Breakrooms	5	0.12	19.2	N/A	0.25	29.5	350	200	30	RTU-1 AND EF-1
Drying	389	10	Animal Facilities -Animal Preparation Rooms	10	0.18	170.0	N/A	1.5	583.5	1125	1125	190	RTU-3 AND EF-2
Fish Equipment / Prep	372	10	Retail -Pet Shops (Animal Areas)	7.5	0.18	142.0	N/A	0.9	334.8	600	1250	206	RTU-5 AND EF-3
Hall 'A'	98	N/A	Public Spaces (Corridors)	N/A	N/A	0.0	N/A	N/A	0.0	0	150	40	RTU-3
Holding #1	90	2	Animal Facilities -Small Animal Cage Rm (Ventilated)	10	0.18	34.4	N/A	1.5	135.0	150	125	41	RTU-5 AND EF-3
Holding #2	92	2	Animal Facilities -Small Animal Cage Rm (Ventilated)	10	0.18	35.1	N/A	1.5	138.0	150	125	42	RTU-5 AND EF-3
BOPIS Closet	83	2	Office Buildings -Office Space	5	0.06	13.4	N/A	N/A	0.0	0	300	30	RTU-1
Universal Washroom	102	2	Toilets -Public	N/A	N/A	0.0	N/A	50 (Exh.)*	50.0	150	100	20	RTU-3 AND EF-4
Manager / Vault	113	2	Office Buildings -Office Space	5	0.06	18.2	N/A	N/A	0.0	0	200	29	RTU-1
P.O.S	200	5	Retail -Sales	7.5	0.12	61.7	N/A	N/A	0.0	0	500	68	RTU-4
Receiving	1,384	5	Miscellaneous -Warehouse	10	0.06	129.0	N/A	N/A	0.0	50	2000	190	RTU-8
Sales Area Front	3,118	78	Retail -Sales	7.5	0.12	961.3	N/A	N/A	0.0	0	3300	1235	RTU-4 AND RTU-1
Sales Area Rear	5,675	142	Retail -Sales	7.5	0.12	1749.7	N/A	N/A	0.0	0	6000	2013	RTU-6 AND RTU-7
Salon	392	8	Retail -Pet Shops (Animal Areas)	7.5	0.18	129.9	N/A	0.9	352.8	200	1300	150	RTU-2
Salon Check-in	289	6	Retail -Sales	7.5	0.12	78.5	N/A	N/A	0.0	0	300	108	RTU-2
Vestibule	176	4	Retail -Sales	7.5	0.12	47.8	N/A	N/A	0.0	0	900	103	RTU-1
Unisex Washroom	94	2	Toilets -Public	N/A	N/A	0.0	N/A	50 (Exh.)*	50.0	150	100	20	RTU-3 AND EF-4
TOTALS	13,375					3753.2			2227.4	3975	19250	4738	
			* = Required Minimum Exhaust air is 50 CFM per code. 100 CFM Exhaust Air is Provided.										
			** = 100% Exhaust with RTU										
NOTE: CALCULATIONS OF THE REQUIRED EXHAUST AND VENITLATION AIR IS BASED ON THE LATEST EDITION OF ASHRAE 62.1													

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1"

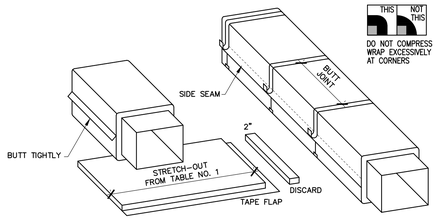
DISCIPLINE: MECHANICAL

TITLE: ENLARGED EXHAUST AIR FLOOR PLANS

SHEET NUMBER: **M1.2**

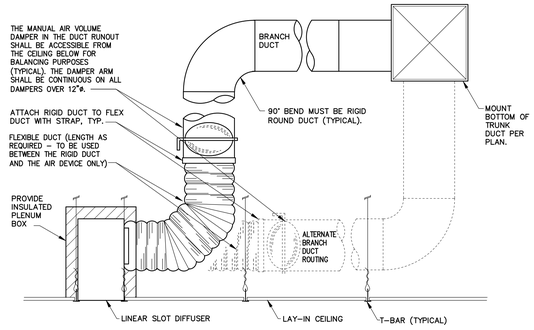
HVAC SYMBOLS LEGEND

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	FD	FIRE DAMPER – COMBO FIRE / SMOKE DAMPER
BD	BD	BALANCING DAMPER (USE O.B.D. UNLESS NOTED OTHERWISE)
BD	-	SPIN–IN DUCT TAKE–OFF W/ DAMPER
BDD	BDD	BACKDRAFT DAMPER
	SA	SUPPLY AIR DUCT
	EXH	EXHAUST AIR DUCT
	RA	RETURN AIR DUCT
T	TSTAT	THERMOSTAT
S	RTS	REMOTE TEMPERATURE SENSOR
H	HS	REMOTE HUMIDITY/TEMPERATURE SENSOR
E	ES	NEXREV EMS TEMPERATURE SENSOR
OED		OPEN–ENDED DUCT
	–	1–WAY THROW DIFFUSER
	–	2–WAY THROW DIFFUSER
	–	2–WAY THROW DIFFUSER
	–	3–WAY THROW DIFFUSER
	–	4–WAY THROW DIFFUSER
	–	RETURN DIFFUSER
	–	EXHAUST DIFFUSER
C / A | B	-	DIFFUSER IDENTIFICATION A=STYLE, B=AIRFLOW cfm, C=SIZE inches
	-	MECHANICAL/PLUMBING EQUIPMENT DESIGNATION MARK (DESIGNATION FOR SPECIFICATION OR MARK FOR SCHEDULE ON DRAWING)
1'-6"	-	SPOT ELEVATION, MEASURED FROM BOTTOM OF DUCT

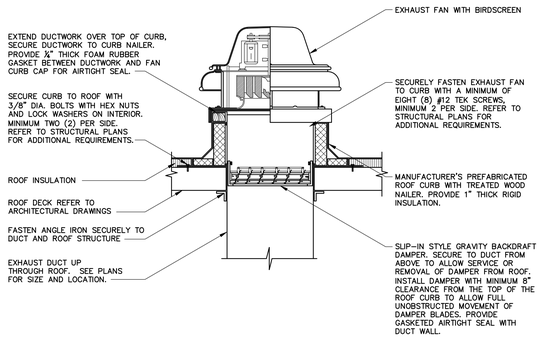


NOTE: THE SIDE SEAMS ARE TO BE STAPLED APPROX. 6" ON CENTER OR WITH 3 TO 4 EVENLY SPACED TAPE TABS BEFORE SEALING WITH TAPE OR MASTIC.

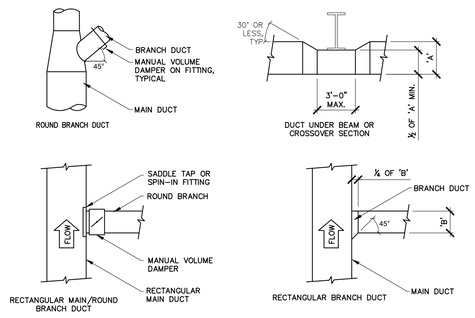
8 M2.0 **DUCT INSULATION** NTS



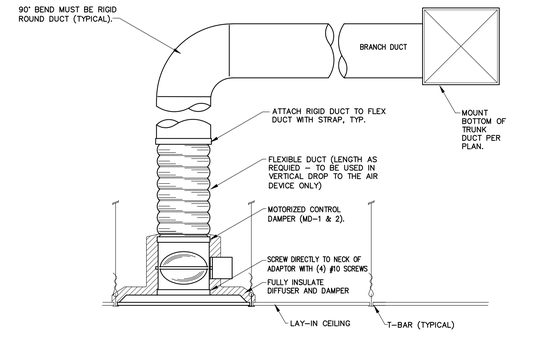
7 M2.0 **CEILING LINEAR DIFFUSER CONNECTION** NTS



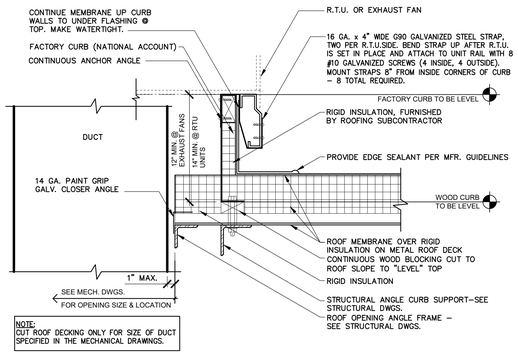
6 M2.0 **ROOF MOUNTED EXHAUST FAN** NTS



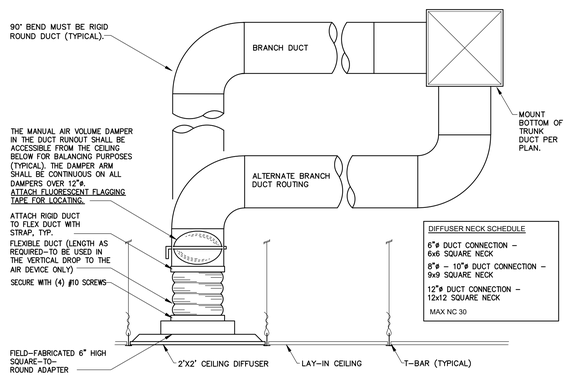
5 M2.0 **TYPICAL DUCT CONNECTIONS** NTS



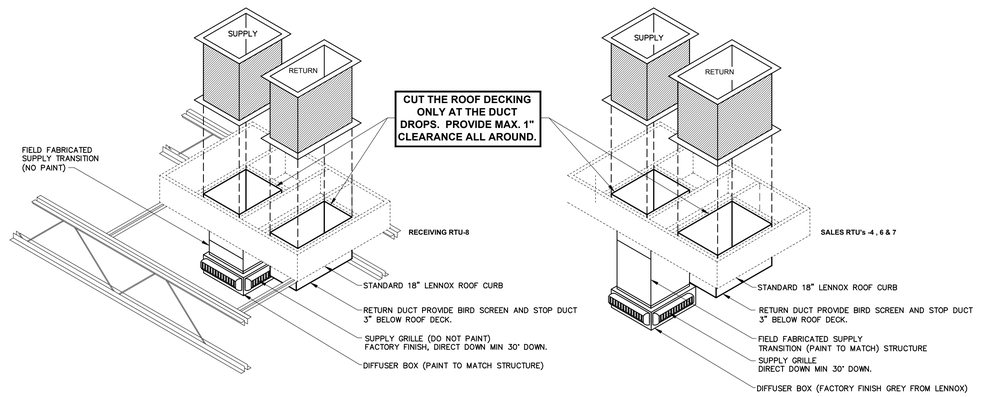
4 M2.0 **MOTORIZED DAMPER CONNECTION** NTS



3 M2.0 **RTU CURB DETAIL** NTS



2 M2.0 **CEILING DIFFUSER CONNECTION** NTS



NOTE:
1. CURBS PLUS DRUM LOUVER SUPPLY DIFFUSER, SUPPLIED BY LENNOX WITH UNIT. SEE "AIR DISTRIBUTION DEVICE SCHEDULE" ON M1.0. MECHANICAL CONTRACTOR TO FIELD FABRICATE SUPPLY, RETURN DROP AND TRANSITION TO DRUM DIFFUSER. SUPPLY DIFFUSER TO BE HELD TIGHT TO BOTTOM OF STRUCTURE (SALES) RECEIVING BOTTOM OF DIFFUSER TO BE HELD TIGHT TO BOTTOM OF JOIST.
2. **TOP OF THE DIFFUSER TO BE TIGHT TO THE BOTTOM OF THE ROOF JOIST.**

1 M2.0 **SALES AREA/RECEIVING SUPPLY DIFFUSER** NTS

CLIENT:

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1"

DISCIPLINE: MECHANICAL

TITLE:

MECHANICAL DETAILS & SYMBOLS

SHEET NUMBER:

M2.0

PLUMBING FIXTURE SCHEDULE

FIXTURE DATA					CONNECTION						PLUMBING FIXTURE SPECIFICATION
MARK	DESCRIPTION	LOCATION	MANUFACTURER	MODEL	CW	HW	TRAP	WASTE	VENT	GALLONS	
BFP-1	BACKFLOW PREVENTER	FISH PREP	WILKINS	34-975XL-S	3/4"						3/4" BACKFLOW WITH Y STRAINER
AG-1	AIR GAP	FISH PREP	WILKINS	AG4							3/4" AIR GAP
	PRESSURE REDUCING VALVE	FISH PREP	WILKINS	34-600G							3/4" TAPPED AND ASSEMBLED REGULATOR 92-25 A GAUGE LEAD FREE
DBP-1	DOMESTIC WATER BOOSTER PUMP	RECEIVING	GRUNDFOS	CMBE COMPACT BOOSTER PUMP #CMBE 10-54-I-U-C-E-D-G 1x220-240V 50/60H - 98548118	1 1/2"						BOOSTER PUMP ASSEMBLY PIPING CONNECTIONS TO THE 11/2" DOMESTIC WATER RISER SHALL INCLUDE A 11/2" QUARTER TURN BALL VALVE BY-PASS. THE BOOSTER PUMP ASSEMBLY SHALL OPERATE AT 220-240V/1PH AND SHALL BE FACTORY ASSEMBLED, WIRED AND TESTED PACKAGE PRESSURE BOOSTING SYSTEM. THE BOOSTER SYSTEM SHALL BE A FLAG FRAME MOUNTED PACKAGE CONSISTING OF A 2 HP 1/80/200-240V MOTOR, STAINLESS STEEL, EN 1.4301 AISI 304 PUMP HOUSING AND IMPELLER(2) AND PRE-PIPED 0.528 GALLON TANK. THE SYSTEM SHALL BE SHIPPED WITH ALL COMPONENTS, SOME ASSEMBLY MAY BE REQUIRED. FOLLOW THE MANUFACTURER'S INSTALLATION INSTRUCTION FOR PROPER ASSEMBLY, SHELF MOUNTED ON THE WALL AT 4'-0" AFF. THE SYSTEM SHALL BE CSA/ULC LISTED. THE PUMP SHALL BE SIZED FOR 26 GPM WITH A 26 PSI BOOST. ELECTRICAL DESIGN IS BASED ON A SINGLE 240V, 1 PHASE, 2 HP PUMP. COORDINATE WITH THE ELECTRICAL CONTRACTOR IF PUMP HORSEPOWER IS DIFFERENT.
EWC-1	ELECTRIC WATER COOLER	HALL A	OASIS	PG8ACSLU-U	1/2"		1 1/2"	2"	1 1/2"		TWO STATION BI-LEVEL WALL MOUNT WATER COOLER, BARRIER-FREE ACCESS FRONT ONLY EASY TOUCH CONTROL. MOUNT WITH HIGH UNIT ON LEFT
EWC-2	ELECTRIC WATER COOLER INSTALL KIT	HALL A	HJC	EWC KIT							STOP, ESCUTCHEON, SS BRAIDED HOSE (LEAD FREE) W/ 1-1/4" CHROME P-TRAP w/CO
EWC-3	ELECTRIC WATER COOLER CHECK VALVE	HALL A	WATTS	FLF7RUD-2							1/2" FEMIPAUN DUAL CHECK VALVE (LEAD FREE)
ET-1	EXPANSION TANK	RECEIVING	ZURN	XT-35	3/4"						NON-ASME EXPANSION TANK, 9.0 GAL., INSTALL PER MANUFACTURER'S INSTRUCTIONS, FOR TWO TANK WATER SYSTEM.
FCO-1	FLOOR CLEANOUT	SEE LOCATIONS ON DRAWINGS	ZURN	ZN1400-4NH-HD							
FD-1	FLOOR DRAIN	RESTROOMS, RECEIVING	ZURN	ZN415 5B-3NP			3"	3"	1 1/2"		3" CAST IRON BODY FLOOR DRAIN W/ 5" DIA. ADJUSTABLE NICKEL BRONZE STRAINER HEAD W/ 1/2" TRAP PRIMER TAP
FD-2	FLOOR DRAIN	RECEIVING	ZURN	ZN505-4NH-HP-VP			4"	4"	2"		4" CAST IRON BODY FLOOR DRAIN W/ 12" POLISHED NICKEL BRONZE TOP, HEEL-PROOF GRATE & VANDAL-PROOF SECURED TOP, 1/2" TRAP PRIMER TAP 3"
HB-1	EXTERIOR HOSE BIB	EXTERIOR OF BUILDING	ZURN	Z1321-XL	3/4"						NON-FREEZE CERAMIC CONTROL W/ INTEGRAL VACUUM BREAKER (SEMI RECESSED) FOR MINIMUM 10" WALL THICKNESS.
HT-1	HAIR INTERCEPTOR	BATHING AREA	J.R. SMITH	8790				4"			HAIR INTERCEPTOR WITH YOKE TYPE COVER, TO BE INSTALLED IN MINIMUM 12"x16" VAULT W/ TH NON-SLIP FLOOR FASTENER COVER
L-1	LAVATORY	WASHROOMS	ZURN	Z5344				2"	1 1/2"		WHT VC 20x18 SH 4CC , WALL HUNG BARRIER FREE W/ FRONT OVERFLOW
LF-1	LAVATORY FAUCET	WASHROOMS	ZURN	Z86500-XL	1/2"	1/2"					4" CC SLOW CLOSING METERING CHROME-PLATED BRASS FAUCET BODY.
		WASHROOMS	HJC	LAV KIT (LEAD-FREE)							STOPS, ESTUCHEONS, SS BRAIDED SUPPLIES (LEAD-FREE), 1 1/4" CHROME P-TRAP w/ CO & 1 1/4" OPEN GRID STRAINER KIT
LDT-1	ADA TRAP WRAP	WASHROOMS	ZURN	Z6946-1							PROTECTIVE COVER
	LAVATORY CARRIER	WASHROOMS	ZURN	Z1321 (EZ-D)							ZURN Z1231-EZD BACK-TO-BACK LAVATORY CARRIER OR Z1231 SINGLE LAVATORY CARRIER
MPS-1	MULTI-PURPOSE SINK	HOLDING #1, HOLDING #2, FISH EQUIPMENT	MUSTEE	15F			2"	2"	1 1/2"		SINGLE COMPARTMENT 19 GALLON SINK, ONE-PIECE MOLDED CONSTRUCTION, 34"H x 23"W x 23 1/2"D. ACCOMMODATES DUAL HANDLE FAUCET W/4" CENTER. HEAVY GAUGE STEEL LEGS WITH BUILT-IN LEVELERS. SECURE LEGS TO FLOOR
MPSF-1	MULTIPURPOSE SINK FAUCET	HOLDING #1, HOLDING #2, FISH EQUIPMENT	ZURN	Z812M4-XL-SS1B	1/2"	1/2"					4" CC DECK MOUNT SERVICE SINK FAUCET (LEAD FREE)
MS-1	MOP SINK	RECEIVING	ZURN	Z1996-24				3"	1 1/2"		MOLDED HIGH DENSITY COMPOSITE BASIN 24"x24"x10" DEEP, 3" DRAIN. PROVIDE ZURN Z6946-1 PROTECTIVE COVERS, SINGLE LEVER SUPPLY.
		RECEIVING	ACORN	TILING FLANGE							TILING FLANGE FOR 24" MOP BASIN (2ea/BASIN). FLAGES ADDED TO SINK BY CONTRACTOR ON SITE
MSF-1	MOP SINK FAUCET	RECEIVING	ZURN	Z843M1-XL	3/4"	3/4"					8" POLISHED CHROME WALL FAUCET
		RECEIVING	ZURN	Z1996-MH							24" STAINLESS STEEL MOP HANGER C/W 3 RUBBER TOOL GRIPS FITTING W/ GRID STRAINER
MV-1	MIXING VALVE	RECEIVING	POWERS	LFMM434-10	1 1/2"	1 1/2"					LEAD FREE POWERS THERMOSTATIC MIXING VALVE (LEAD-FREE), TOP INLET TOP OUTLET, SET AT 110°F, FOR TWO TANK WATER HEATER SYSTEM.
P-1	BACKFLOW PREVENTER	RECEIVING	WATTS	LF919-QT	1 1/2"						REDUCED PRESSURE BACKFLOR PREVENTER ON MAIN INCOMING 1 1/2" LINE, QUARTER TURN VALVES, BRONZE STRAINER, LEAD-FREE CONSTRUCTION
		RECEIVING	WATTS	LF777SI							STRAINER
		RECEIVING	WATTS	919AGF							AIR GAP
		RECEIVING	WATTS	919ELF							ELBOW
RD-1	ROOF DRAIN	ROOF	ZURN	Z101				6"			20" DIA. ROOF DRAIN, DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE CAST IRON DOME. WITH UNDER DECK CLAMP ASSEMBLY, SUMP DRAIN RECEIVER, METAL LOCKING DOME AND ADJUSTABLE EXTENSION SLEEVE
RH-1	ROOF HYDRANT	ROOF	WOODFORD	RH-MS	3/4"						RH-MS 1 FPT ROOF HYDRANT MNT SYS F/Non-Freeze Area
			WOODFORD	SRH	3/4"						SRH SAN MODEL ROOF HYDRANT
RP-1	RECIRCULATING PUMP	RECEIVING	BELL & GOSSETT	NBF-22U		3/4"					BRONZE BODY LUBRICATED CIRCULATORPUMP (60 WATTS), 115V, 1Ø, 3000 RPM 20PM @ 12 F.O.W. C/W 113201LF UNION SET
		RECEIVING	BELL & GOSSETT	113201LF							3/4" 1/2 UNION SET LEAD-FREE
RPA-1	RECIRCULATING PUMP AQUASTAT	RECEIVING	BELL & GOSSETT	113224 AQS-3/4		3/4"					3/4" AQUASTAT
S-1	SINK	ADOPTIONS, ASSOCIATE RESOURCES	COMPONENT HARDWARE	CH1011FM			1 1/2"	2"	1 1/2"		20 GAUGE S.S. SINK, 19 5"x19"x5.5", 3 HOLE PUNCHING.
SF-1	SINK FAUCET	ADOPTIONS, ASSOCIATE RESOURCES	ZURN	Z831C4-XL-2F	1/2"	1/2"					8" CC GOOSENECK DECK FAUCET W/ 4" BLADE HANDLES POLISHED CHROME (LEAD FREE)
		ADOPTIONS, ASSOCIATE RESOURCES	HJC	SS LAV KIT							STOPS, ESTUCHEONS, SS BRAIDED SUPPLIES (LEAD-FREE), 1 1/2" CHROME P-TRAP w/ CO KIT & ML102EZ NON-ADA LAV GUARD
		ADOPTIONS, ASSOCIATE RESOURCES	MAINLINE	ML8120AF							3/8" x 1/2" x 20" BRAIDED SUPPLY
		ADOPTIONS, ASSOCIATE RESOURCES	COMPONENT HARDWARE	FP1							SS SINK STRAINER E38-410541-CAN w/ 1 1/2" TAIL PIECE
		ADOPTIONS, ASSOCIATE RESOURCES	ZURN	Z6946-1							PROTECTIVE COVER
SST-1	WALL FAUCET	BATHING AREA	ZURN	Z843 L-1 90 YJ	3/4"	3/4"					POLISHED CHROME 8" WASH DOWN FAUCET C/W VACUUM BREAKER SPOUT, INTEGRAL HOSE THREADED SPOUT, VANDAL RESISTANT COLOUR CODED LEVER HANDLES. REFER TO DETAIL ON DRAWING P2.0.
		BATHING AREA	ZURN	700XL 3/4"							3/4" DUAL CHECK VALVE ON BOTH HOT & COLD WATER LINES
		BATHING AREA	ZURN	LF009-QT-FS							1/2" REDUCED PRESSURE ZONE ASSEMBLY MOUNTED DIRECTLY BELOW AND TIGHT TO BOTTOM OF FAUCETS AS REQUIRED BY LOCAL PLUMBING INSPECTOR.
TD-1	TRENCH DRAIN	BATHING/DRYING AREA	ZURN	Z886 HPP-GL-(2) E1-U4-JC/DB			4"	4"	2"		7 LINEAR FEET EACH. 6" WIDE PRE-SLOPED TRENCH DRAIN, W/ INTEGRAL TOP FRAME, INTERLOCKING ENDS & RADIUSED BOTTOM. PM886HPP HEEL-PROOF POLYETHYLENE GRATE, U4 BOTTOM OUTLET (1 PER TD) AND END CAP (2 PER TD), ZURN P6-DB BOTTOM DOME STRAINER, PPP PTRAP PRIMER ADAPTPR PPPA-4P500 4"x1/2"
TD-2	TRENCH DRAIN	FISH EQUIPMENT	ZURN	Z886 (2)E1 U3 SPECIAL			3"	3"	2"		FOOT TRENCH (1 SECTION 8606N) 10" WITH REBAR CLIPS @ CENTER WITHOUT GRATE. 6"x10"x8"DEEP. GRATE TO BE FLUSHED WITH FINISHED FLOOR, NO-LIP.
TG-1	THERMOMETER	RECEIVING	MILJOCO	B259661-2W							2.5" DIA. THERMOMETER 30 DEGREES-250 DEGREES.
TP-1	TRAP PRIMER	SEE LOCATIONS ON DRAWINGS	PRECISION PLUMBING PRODUCTS (PPP)	P1-500 WITH TAPPED P-TRAP ADAPTER	1/2"						TRAP PRIMER VALVE WITH INTEGRAL BACKFLOW PREVENTER & VACUUM BREAKER PORT PROVIDE DISTRIBUTION UNIT AS REQUIRED. ROUTE 1/2" PEX-POLYHYLENE TUBING DOWN IN WALL AND BELOW SLAB TO P-TRAP, SEE DETAIL ON P2.0, INCLUDE TAPRED P-TRAP ADAPTER. PLUG UNUSED DISTRIBUTION PORTS.
TPD-1	TRAP PRIMER DISTRIBUTION	SEE LOCATIONS ON DRAWINGS	PPP	DU-U							DISTRIBUTION UNIT
U-1	URINAL	MENS RESTROOM	ZURN	Z5755-U	3/4"			2"	2"		WHITE VITREOUS CHINE, TOP SPUD VC URINAL, 125 GPF
UF-1	URINAL FLUSH VALVE	MENS RESTROOM	ZURN	Z8003WS1YB							URINAL FLUSH VALVE
WB-1	ICE BOX MAKER OUTLET BOX	ASSOCIATE RESOURCES	SIOUX CHIEF	696-1010MF	1/2"						1/2 INSWT/SWT ABS ON BOX TOILET DISHWASHER OUTLET BOX WITH MINI RESTER AND LED FREE FRAME.
WBC-1	ICE BOX MAKER OUTLET BOX CHECK VALVE	ASSOCIATE RESOURCES	WATTS	LF7RU2-2							1/2" DUAL CHECK VALVE ON SUPPLY LINE (LEAD-FREE)
WC-1	WATER CLOSET	WASHROOMS	AMERICAN STANDARD	CADET 3483.001.020	1/2"		3"	2"			FLOOR MOUNTED VITREOUS CHINA LOW CONSUMPTION 1.1 GPF PRESSURE ASSIST, SIPHON JET FLUSH ACTION, RIGHT HEIGHT ELONGATED WATER CLOSET, 12" ROUGH-IN
		WASHROOMS	AMERICAN STANDARD	4142.601.020							1.1 GPF LEFT-HAND TRIP LEVER - TAN w/ VANDAL-PROOF LOCKING LID
		WASHROOMS	AMERICAN STANDARD	4142.901.020							1.1 GPF RIGHT-HAND TRIP LEVER - TAN w/ VANDAL-PROOF LOCKING LID
		WASHROOMS	CENTOCO	820STS							HEAVY-DUTY WHITE ELONGATED OPEN-FRONT w/COVER PLASTIC TOILET SEAT
		WASHROOMS	JONES	CLOSET PAK							WAX RING w/ HORN, CLOSET BOLT SET
WH-1	WATER HEATER	RECEIVING	RHEEM	EG50C-12, 600V/3/12KW	1 1/2"					50	WATER HEATER(S) SHALL BE MODEL EG50C-12-G, MANUFACTURED BY RHEEM-RUUD, HAVING ELECTRICAL INPUT OF 575V/3Ø/12 KW AND A RECOVERY RATE OF 50 GPH @28°C TEMPERATURE RISE. WATER HEATER(S) SHALL HAVE A STORAGE CAPACITY OF 50 GALLONS. WATER HEATER(S) SHALL HAVE THE CSA SEAL OF CERTIFICATION AND BE FACTORY EQUIPPED WITH AN CSA/ASME RATED TEMPERATURE AND PRESSURE RELIEF. TANK(S) SHALL HAVE A DOUBLE COATING OF HIGH TEMPERATURE PORCELAIN ENAMEL AND FURNISHED WITH MAGNESIUM ANODE RODS RIGIDLY SUPPORTED. WATER HEATER(S) SHALL MEET OR EXCEED THE STANDBY LOSS REQUIREMENTS OF ASHRAE. TANK(S) SHALL HAVE A WORKING PRESSURE OF 150 PSI, AND SHALL BE COMPLETELY ASSEMBLED. WATER HEATER(S) SHALL BE EQUIPPED WITH STAINLESS STEEL SCREW-IN TYPE ELEMENTS. TANK SHALL BE INSULATED WITH THICK POLYURETHANE FOAM INSULATION. WATER HEATER(S) SHALL BE CONSTRUCTED WITH A SYSTEM SENTINEL ELEMENT DIAGNOSTIC PANEL UTILIZING LIGHT EMITTING DIODES. EACH LED WILL CORRESPOND TO THE NUMBER AND LOCATION OF THE HEATING ELEMENTS AND MONITOR THEIR ON-OFF FUNCTION. WATER HEATER(S) SHALL BE PROVIDED WITH MAGNETIC CONTACTORS, 240V CONTROL CIRCUIT TRANSFORMER AND IMMERSION THERMOSTAT(S) WITH MANUAL RESET HIGH LIMIT CONTROL. 11/2" INLET AND OUTLET WATER CONNECTIONS FOR 50 THROUGH 120 GALLON MODELS SHALL BE PROVIDED. WATER HEATER(S) SHALL BE COVERED BY A THREE YEAR LIMITED WARRANTY AGAINST TANK LEAKS.
WHV-1	WATER HEATER VACUUM RELIEF	RECEIVING	WATTS	LFN38-M1							LEAD FREE VACUUM RELIEF VALVE
WH-2	WATER HEATER	RECEIVING	RHEEM	EG50C-12, 600V/3/12KW	1 1/2"					50	WATER HEATER(S) SHALL BE MODEL EG50C-12-G, MANUFACTURED BY RHEEM-RUUD, HAVING ELECTRICAL INPUT OF 575V/3Ø/12 KW AND A RECOVERY RATE OF 50 GPH @28°C TEMPERATURE RISE. WATER HEATER(S) SHALL HAVE A STORAGE CAPACITY OF 50 GALLONS. WATER HEATER(S) SHALL HAVE THE CSA SEAL OF CERTIFICATION AND BE FACTORY EQUIPPED WITH AN CSA/ASME RATED TEMPERATURE AND PRESSURE RELIEF. TANK(S) SHALL HAVE A DOUBLE COATING OF HIGH TEMPERATURE PORCELAIN ENAMEL AND FURNISHED WITH MAGNESIUM ANODE RODS RIGIDLY SUPPORTED. WATER HEATER(S) SHALL MEET OR EXCEED THE STANDBY LOSS REQUIREMENTS OF ASHRAE. TANK(S) SHALL HAVE A WORKING PRESSURE OF 150 PSI, AND SHALL BE COMPLETELY ASSEMBLED. WATER HEATER(S) SHALL BE EQUIPPED WITH STAINLESS STEEL SCREW-IN TYPE ELEMENTS. TANK SHALL BE INSULATED WITH THICK POLYURETHANE FOAM INSULATION. WATER HEATER(S) SHALL BE CONSTRUCTED WITH A SYSTEM SENTINEL ELEMENT DIAGNOSTIC PANEL UTILIZING LIGHT EMITTING DIODES. EACH LED WILL CORRESPOND TO THE NUMBER AND LOCATION OF THE HEATING ELEMENTS AND MONITOR THEIR ON-OFF FUNCTION. WATER HEATER(S) SHALL BE PROVIDED WITH MAGNETIC CONTACTORS, 240V CONTROL CIRCUIT TRANSFORMER AND IMMERSION THERMOSTAT(S) WITH MANUAL RESET HIGH LIMIT CONTROL. 11/2" INLET AND OUTLET WATER CONNECTIONS FOR 50 THROUGH 120 GALLON MODELS SHALL BE PROVIDED. WATER HEATER(S) SHALL BE COVERED BY A THREE YEAR LIMITED WARRANTY AGAINST TANK LEAKS.
WHV-2	WATER HEATER VACUUM RELIEF	RECEIVING	WATTS	LFN38-M1							LEAD FREE VACUUM RELIEF VALVE

PLUMBING LEGEND:

SYMBOL	ABBREVIATION	DESCRIPTION
—+———+—	SAN	SANITARY PIPING (BELOW GRADE)
– – – – SAN – – – –	SAN	SANITARY PIPING (ABOVE GRADE)
—–—–V—–—–V—–—–V—	V	VENT PIPING
—++———++—	STM	STORM PIPING (ABOVE GRADE)
– – – – STM – – – –	STM	STORM PIPING (BELOW GRADE)
——–——–——	DCW	COLD WATER
——–——–——	DHW	HOT WATER
——– – ——– – ——	HWR	HOT WATER RETURN
——▷◁——	S.O.V.	SHUT–OFF VALVE
——◿——	C.V.	CHECK VALVE
———————	FW	FILTERED COLD WATER
J|	VTR	VENT THRU ROOF
——||——	–	UNION
—|—	HB	HOSE BIBB W/ VACUUM BREAKER
——F——	F	FIRE SPRINKLER LINE
●	FD	FLOOR DRAIN
◎	RD	ROOF DRAIN
⊘	FCO	FLOOR CLEANOUT
⊘	SCO	SURFACE CLEANOUT
|—	LCO	LINE CLEANOUT
——CD——	CD	CONDENSATE DRAIN PIPING
——(R)——	R	GAS REGULATOR
⊘	–	CALIBRATED BALANCING VALVE
⋈	–	GAS SHUT–OFF/COCK VALVE (AT RTU)
——G——	G	GAS PIPING
——XXX (E)——	XXX (E)	EXISTING PIPING (I.E. CW (E), G (E), W (E) ETC.)
	A.H.J.	AUTHORITY HAVING JURISDICTION
	F.D.C.	FIRE DEPARTMENT CONNECTION
	N.P.S.	NATIONAL PIPE SIZE
	N.T.S.	NOT TO SCALE
XX–X	XX–X	PLUMBING FIXTURE DESIGNATION
XXX / X	XXX–X	HVAC EQUIPMENT DESIGNATION (FOR REFERENCE ONLY)
◓		CONNECTION TO EXISTING PIPING
1	–	PLUMBING KEYED NOTE

NOTE: NOT ALL PLUMBING SYMBOLS AND ABBREVIATIONS ARE NOT NECESSARILY USED IN THE PROJECT.

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

PLUMBING GENERAL NOTES (FOR ALL PLUMBING SHEETS):

A. THIS PROJECT WAS DESIGNED UNDER THE 2012 ONTARIO BUILDING CODE AND ALL APPLICABLE LOCAL AMENDMENTS.

B. PLUMBING CONTRACTOR SHALL FIELD COORDINATE EXACT PIPE ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.

C. UTILITIES NOTES:

C.a. CONTRACTOR SHALL VERIFY POINT OF CONNECTION TO SITE UTILITY SERVICE PRIOR TO STARTING ANY NEW WORK.

C.b. CONTRACTOR SHALL ADJUST LOCATION AND DEPTH OF SITE SERVICES AS REQUIRED TO PETSMART UTILITY LOCATIONS.

C.c. CONTRACTOR SHALL MAKE FINAL CONNECTION TO SITE UTILITY SERVICES UNLESS OTHER PROVISIONS HAVE BEEN MADE.

C.d. CONTRACTOR'S FAILURE TO PROPERLY COORDINATE SERVICES SHALL NOT BE A JUSTIFICATION FOR ANY EXTRA CHARGES.

D. ALL FLOOR CLEANOUTS AT MAIN SALES FLOOR ARE TO BE LOCATED A MAXIMUM OF 4" FROM FACE OF PALLET RACKS BUT NOT BENEATH – SEE FIXTURE PLAN F1.0 FOR COORDINATION WITH RACKING.

E. ALL FIRE AND DOMESTIC WATER PIPING SHALL BE INSTALLED ABOVE THE BOTTOM CHORD OF JOIST (NOT GIRDERS/NO EXCEPTIONS) THROUGHOUT THE STORE WHERE CEILING DOES NOT EXIST. ALL PLUMBING FIXTURES SHALL HAVE A SHUT–FF VALVE AT ALL SUPPLY BRANCHES. BRANCH SHUT–OFF VALVES SHALL BE INSTALLED NO HIGHER THAN 12" ABOVE CEILING TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. PROVIDE ACCESS PANELS AS NEEDED.

F. COORDINATE WATER LINES WITH ELECTRICAL CONTRACTOR, PIPING SHALL NOT BE ROUTED OVER ELECTRICAL PANELS, EQUIPMENT OR CLEAR WORKING SPACE.

G. PLUMBING CONTRACTOR SHALL INSTALL ALL NECESSARY WALL AND/OR FLOOR CLEANOUTS TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. INSTALL A CLEANOUT 12" A.F.F. AS SHOWN ON PLAN (SHOWN AT 45° FOR CLARITY ONLY, SHALL BE FLUSH WITH FINISH SURFACE OF WALL). WASTE/VENT, HOT AND COLD WATER ROUGH–INS TO BE CENTRED UNDER SINK SIDE BY SIDE (EXCEPT WHERE IT IS IMPOSSIBLE PER SITE CONDITIONS AND MENTIONED IN KEYED NOTES) AND @ 12" A.F.F. CHECK WITH ADVANCED FIXTURE INCORPORATED BEFORE INSTALLING CLEANOUT, LOWER CLEANOUT IF REQUIRED TO AVOID CONFLICT. NO CLEANOUTS ALLOWED IN FRP WALL PANEL OR CERAMIC TILE.

H. ALL FAUCETS SHALL RECEIVE PLASTIC SLEEVES/INSERT TO ALLOW FAUCET SWIVEL.

I. PRIOR TO SUBMITTING THE BID, PLUMBING CONTRACTOR SHALL VERIFY WITH LOCAL CODE OFFICIAL THAT PEX PIPING IS APPROVED FOR WATER DISTRIBUTION SYSTEMS. IF PEX PIPING IS APPROVED, ALL WATER PIPING 2" AND SMALLER SHALL BE PEX POLYETHYLENE TUBING, LARGER WATER PIPING SIZES SHALL BE COPPER. INSTALL PEX TUBING PER MANUFACTURERS INSTRUCTIONS. DO NOT STORE PEX TUBING AND FITTINGS IN DIRECT OR INDIRECT SUNLIGHT.

J. REFER TO SCHEMATIC WATER AND WASTE DIAGRAMS ON SHEET P3.0 FOR ALL PIPE SIZE INFORMATION.

K. PLUMBING CONTRACTOR SHALL FLUSH ALL SANITARY LINES AT THE END OF THE PROJECT AND VIDEO ALL LINES AND PROVIDE FINAL VIDEO TO PETSMART CM AT TURNOVER.

L. IF STATIC PRESSURE IS BELOW 60 PSI, AN ALTERNATE BOOSTER PUMP BID IS REQUIRED. IF STATIC WATER PRESSURE IS ABOVE 70 PSI A PRESSURE REDUCING VALVE IS REQUIRED AND SHALL BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE BACKFLOW PREVENTER ON THE INCOMING BUILDING SERVICE LINE. PRESSURE IS TO BE MEASURED AT THE ENTRY POINT TO PETSMART RECEIVING AREA.

M. ALL PEX ROUGH–IN STUBS THROUGH WALL SHALL TRANSITION TO COPPER AT WALL PENETRATION AND SHALL CONTINUE TO FIXTURE AS COPPER.

N. EXPOSED PIPING AND SHUT–OFF VALVES ON WALLS IN BATHING AREA SHALL BE COPPER AND UN–INSULATED UP TO CEILING.

O. ALL PIPING, FITTINGS AND VALVES FOR WATER HEATERS CONNECTIONS SHALL BE COPPER.

P. ALL FIXTURES SHALL HAVE A BALL VALVE SHUTOFF AT THE FIXTURE CONNECTION.

Q. 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. REFER TO DETAIL ON DETAILS SHEET P2.0 FOR MORE INFORMATION.

R. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF VENTS THROUGH ROOF WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.

S. ALL SINK P–TRAPS TO BE SUPPLIED WITH CLEANOUT PLUG.

T. ALL PIPING IN AREAS WITH NO CEILINGS/OPEN TO DECK, CEILING TYPE C1 AND C6 SHALL BE HUNG NO LOWER THAN 6" BELOW THE ROOF DECK TO THE TOP OF THE PIPING INSULATION.

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

V. INSULATE HOT AND COLD LINES IN WALL AND CEILING.

DESIGNER NOTE: MODIFY CODE INFORMATION ON A PROJECT SPECIFIC BASIS.

DESIGNER NOTE: FOR REMODEL BUILDING APPLICATIONS WITH EXISTING PIPING, REPLACE WORKING WATER PIPING SHALL BE INSULATED. WHERE EXISTING PIPING IS EXPOSED AND DOES NOT CONFORM TO THE INSULATION REQUIREMENTS, THE PIPING SHALL BE INSULATED. WHERE EXISTING PIPING IS CONCEALED AND DOES NOT CONFORM TO THE INSULATION REQUIREMENTS, THE PIPING SHALL BE INSULATED TO THE EXTENT POSSIBLE WITHOUT REMOVING WALLS, CEILINGS OR FLOORS. (ONLY UNDER BOTTOM OF BEAM AND STACK UP TO OTHER SIDE)

DESIGNER NOTE: 208V/3Ø

DESIGNER NOTE: NORTHERN CLIMATES: GROUND WATER TEMPERATURE LESS THAN 60°F. PROVIDE WATER HEATER ELEMENTS WITH INPUT OF 9kW

DESIGNER NOTE: REMOVE URINAL FOR PROJECTS WITHOUT URINALS

DESIGNER NOTE: CONFIRM WITH LOCAL CODE OFFICIAL IF DUAL USE TYPE FIXTURES ARE ACCEPTABLE. REMOVE FROM SCHEDULE IF NOT REQUIRED.

DESIGNER NOTE: ROOF MOUNTED PRESSURE OF 60 PSI OR GREATER WATER PIPING SHALL BE WELDED. SCH 10 PIPE SHALL BE USED WHERE PRESSURE IS LESS THAN 60 PSI. GROOVED PIPING SHALL NOT BE USED WHERE PRESSURE IS 60 PSI OR GREATER. GROOVED PIPING MAY BE USED WHERE PRESSURE IS 60 PSI OR LESS. SPACE IS UNAVAILABLE FOR ROOF MOUNTED TUBS

DESIGNER NOTE: ON A PROJECT SPECIFIC BASIS, IF THE STORE DESIGN INCLUDES A PETVENTURE, REVISE AND INCORPORATE APPLICABLE PETVENTURE PLUMBING FIXTURES AND EQUIPMENT. REFER TO PETSMART AND PETVENTURE DETAILING AND SPECIFICATIONS AS REQUIRED.

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:
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.
THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: 02.12.25
CA0045686.0146
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 39 OF: 53

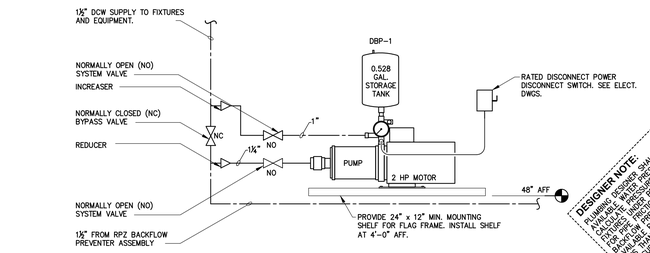
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
1"

DISCIPLINE: MECHANICAL

TITLE:
PLUMBING NOTES & SCHEDULE

SHEET NUMBER:
P0.1

NOTE:
SHOP DRAWING SUBMITTAL IS REQUIRED FOR THE WATER PRESSURE BOOSTER PUMP SYSTEM.



DESIGNER NOTE:
PLUMBING DESIGNER SHALL DETERMINE CAPACITIES, SIZES AND CONFIGURATIONS UNDER FINAL ACCEPTANCE OF FIRE PROTECTION SYSTEM SHOP DRAWINGS FOR FLOW PRESSURE, ETC. IF FIRE PUMP IS REQUIRED BY LOCAL AHJ, A FIRE PUMP IS NOT REQUIRED IF PRESSURE BOOSTER SYSTEM IS INSTALLED ON THE INCOMING WATER SERVICE TO THE BUILDING AT THE TIME OF PERMIT. DELAY AS THE ISSUED DRAWINGS.

BOOSTER PUMP DETAIL

THE PRESSURE BOOSTER PUMP ASSEMBLY SHALL BE GRUNDFOS CMBE COMPACT BOOSTER MODEL #CMBE – PART# 98548118 – CMBE10-54 I-U-C-E-D-G 1X220-240V 50/60H AND SHALL BE SHELF MOUNTED ON THE WALL AT 4'-0" AFF.

BOOSTER PUMP ASSEMBLY PIPING CONNECTIONS TO THE 1½" DOMESTIC WATER RISER SHALL INCLUDE A 1½" QUARTER TURN BALL VALVE BY-PASS.

THE BOOSTER PUMP ASSEMBLY SHALL OPERATE AT 200-240V/1Ø AND SHALL BE FACTORY ASSEMBLED, WIRE, AND TESTED PACKAGE PRESSURE BOOSTING SYSTEM. THE BOOSTER SYSTEM SHALL BE A FLAG FRAME MOUNTED PACKAGE CONSISTING OF A CME PUMP WITH INTEGRATED FREQUENCY CONVERTER AND SPEED CONTROL, 5-WAY VALVE, 0.528 GAL EXPANSION TANK AND A PRESSURE GAUGE. THE SYSTEM SHALL BE SHIPPED WITH ALL COMPONENTS, SOME ASSEMBLY MAY BE REQUIRED. FOLLOW THE MANUFACTURER'S INSTALLATION INSTRUCTION FOR PROPER ASSEMBLY.

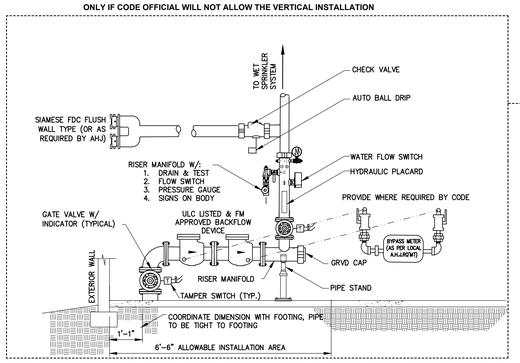
THE SYSTEM SHALL BE CSA/ULC LISTED. THE PUMP SHALL BE SIZED FOR 26 GPM WITH A 26 PSI BOOST. ELECTRICAL DESIGN IS BASED ON A SINGLE 2 HP PUMP. COORDINATE WITH THE ELECTRICAL CONTRACTOR IF PUMP HORSEPOWER IS DIFFERENT.

3 / P1.0 DOMESTIC WATER PRESSURE BOOSTER PUMP DETAIL
NTS

DESIGNER NOTE:
LOCAL WATER BOOSTER PUMP WHEN REQUIRED FOR LOCATIONS WITH LOW WATER PRESSURE. COORDINATE WITH ELECTRICAL DRAWINGS. DELETE FROM DRAWINGS IF NOT REQUIRED.

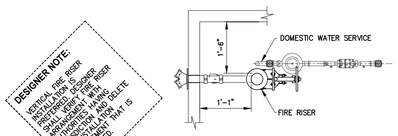
DESIGNER NOTE:
REMOVE HORIZONTAL RISER LAYOUT PRIOR TO ISSUING FOR PERMIT. RETAIN ONLY IF HORIZONTAL RISER ARRANGEMENT IS REQUIRED BY LOCAL AHJ. VERTICAL DETAIL REQUIRED REGARDLESS.

ONLY IF CODE OFFICIAL WILL NOT ALLOW THE VERTICAL INSTALLATION

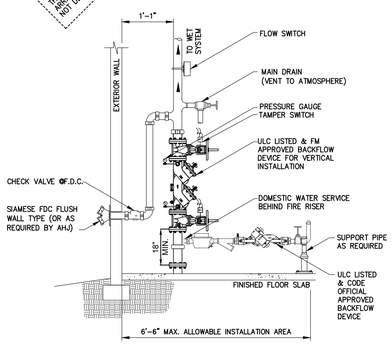


HORIZONTAL INSTALLATION

DESIGNER NOTE:
VERTICAL FIRE RISER INSTALLATION DESIGNER SHALL VERIFY FIRE SPRINKLER PIPING ARRANGEMENT AND DELETE INSTALLATION THAT IS NOT DESIRED.

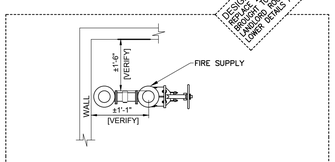


VERTICAL INSTALLATION (PLAN VIEW)



VERTICAL INSTALLATION

DESIGNER NOTE:
REMOVE P/1.0 WHERE PROVIDED ON ARCHITECTURAL DRAWINGS. LONGER DETAILS ARE USED.



VERTICAL INSTALLATION

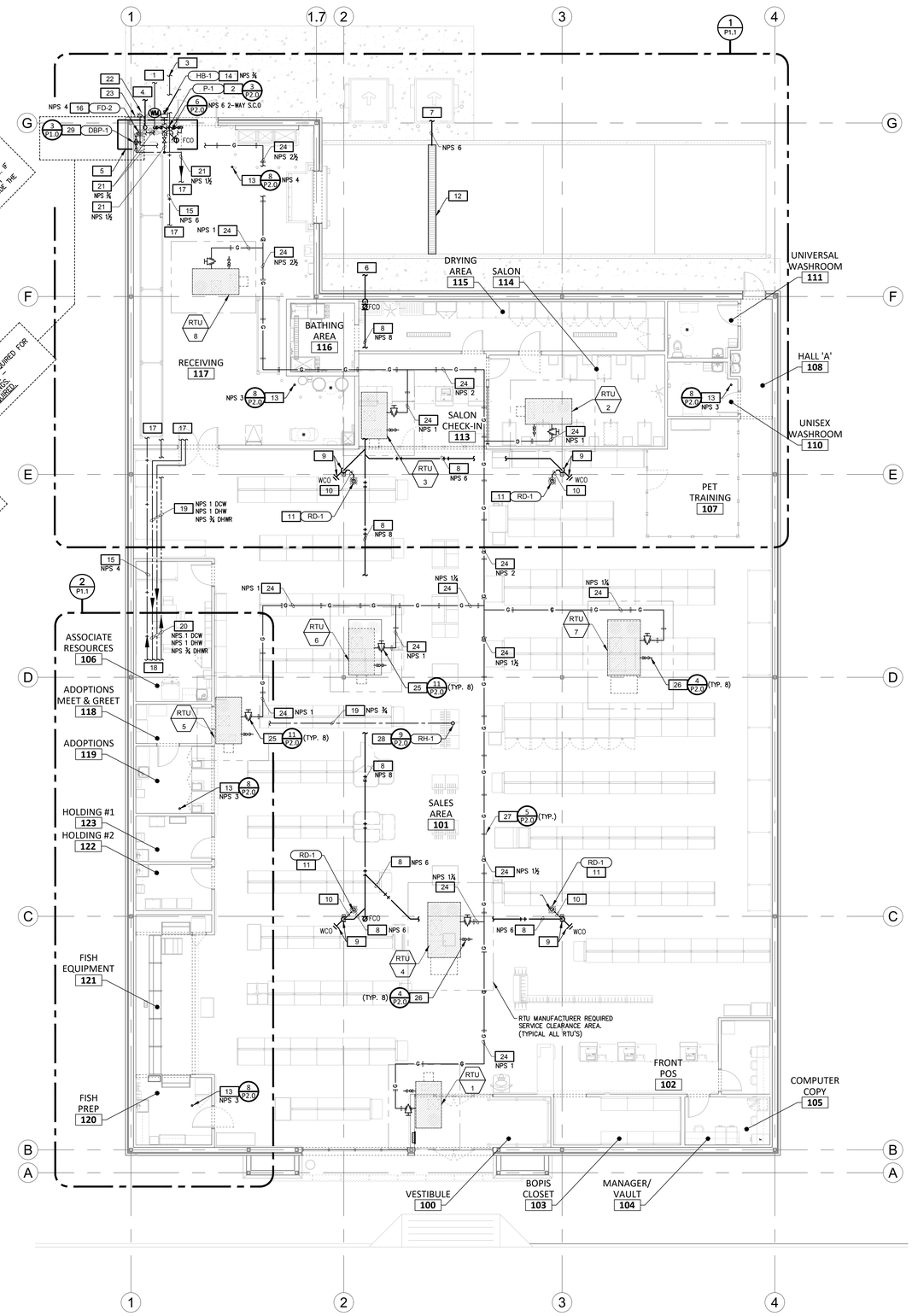
GENERAL FIRE PROTECTION NOTES:

1. ADEQUATE CLEARANCE SHALL BE PROVIDED AROUND FIRE RISER. DIMENSIONS FROM FACE OF PIPE SHALL MEASURE A MINIMUM OF 18" OFF THE BACK WALL, 18" ON SIDE AND 36" CLEAR IN FRONT. PROVIDE ADEQUATE CLEARANCES AS REQUIRED BY LOCAL CODE FOR DOMESTIC SERVICE.
2. IF RPZ BACKFLOW PREVENTER IS REQUIRED, PLUMBING/FIRE PROTECTION CONTRACTOR SHALL VERIFY IF DRAINAGE DISCHARGE CAN BE DRAINED THRU EXTERIOR WALL OR IF A FLOOR DRAIN IS REQUIRED. CONTACT PETSMART CM AS SOON AS POSSIBLE FOR DIRECTION.
3. HYDRAULIC PLACARD IS REQUIRED TO BE PLACED ON THE FIRE RISER.

FIRE PROTECTION DETAIL NOTE:

THE PURPOSE OF THIS DETAIL IS TO SHOW A GENERAL LAYOUT FOR THE INSTALLATION OF A VERTICAL FIRE RISER. UNLESS CODE MANDATES A HORIZONTAL FIRE RISER, IT IS THE RESPONSIBILITY OF THE PLUMBING AND FIRE PROTECTION CONTRACTORS TO CONTACT ALL PARTIES HAVING JURISDICTION TO VERIFY/CONFIRM TYPE, QUANTITY OF DEVICES AND INSTALLATION REQUIREMENTS.

2 / P1.0 FIRE SPRINKLER/DOMESTIC RISER DETAIL
NTS



1 / P1.0 PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

PLUMBING KEY NOTES:

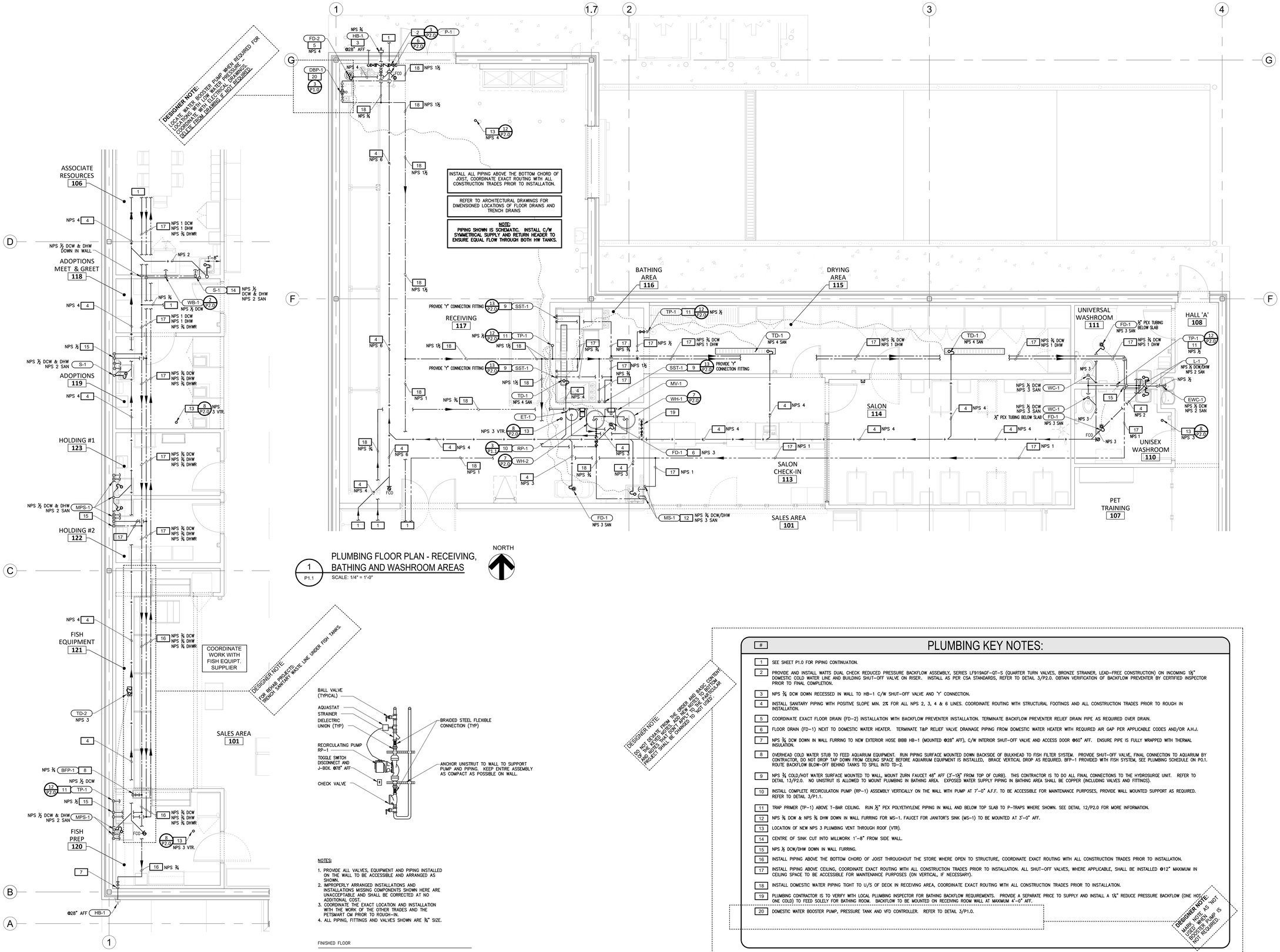
#	
1	NPS 1½ COLD WATER LINE TO 5'-0" OUTSIDE OF BUILDING. CONNECT TO EXISTING UNDER GROUND WATER LINE, SEE CIVIL PLAN FOR CONTINUATION
2	PROVIDE AND INSTALL WATTS DUAL CHECK REDUCED PRESSURE BACKFLOW ASSEMBLY, SERIES LF919AGF-QT-S (QUARTER TURN VALVES, BRONZE STRAINER, LEAD-FREE CONSTRUCTION) ON INCOMING 1½" DOMESTIC COLD WATER LINE AND BUILDING SHUT-OFF VALVE ON RISER. INSTALL AS PER CSA STANDARDS, REFER TO DETAIL 3/P2.0. OBTAIN VERIFICATION OF BACKFLOW PREVENTER BY CERTIFIED INSPECTOR PRIOR TO FINAL COMPLETION.
3	EXTEND WASTE LINE TO 5'-0" OUTSIDE OF BUILDING. COORDINATE WITH CIVIL PLANS. COORDINATE WITH CIVIL PLANS. INVERT ELEVATION IS ----' AT EXIT POINT OF BUILDING. THIS IS BASED ON A ----' F.F.E. AND TOTAL DEVELOPED LENGTH OF ---- FT. AT ⅄" SLOPE, AND A STARTING INVERT OF ----'.
4	UNDERGROUND FIRE RISER SUPPLY LINE. RISER SIZED IN ACCORDANCE WITH INSURANCE CARRIER, AND HYDRAULIC CALCULATION REQUIREMENTS. REFER TO SPRINKLER SHOP DRAWINGS FOR ADDITIONAL INFORMATION. RUN TO 5'-0" OUTSIDE BUILDING AND CONNECT TO EXISTING UNDERGROUND FIRE LINE. SEE CIVIL DRAWING FOR CONTINUATION AND EXACT LOCATION.
5	PROVIDE A 2'-6" x 6'-6" AREA FREE OF ANY OBSTRUCTIONS FOR FIRE SPRINKLER AND DOMESTIC WATER RISERS. PROVIDE 4" x 2½" x 2½" F.D.C. WITH CHECK VALVE, N.S.T. THREADS (VERIFY CONNECTION TYPE WITH LOCAL FIRE AUTHORITY), AND ELECTRIC ALARM BELL AS REQUIRED BY LOCAL CODE AND/OR A.H.J. ALL EQUIPMENT & PIPING MUST FIT IN THE ALLOTTED AREA.
6	8" STORM LINE TO 5'-0" OUTSIDE BUILDING – SEE CIVIL PLAN FOR CONTINUATION.
7	CONNECT TO STORM DRAIN. FIELD VERIFY LOCATION AND INVERT, COORDINATE WITH CIVIL PLAN.
8	INSTALL STORM PIPING BELOW SLAB AT 2% SLOPE, COORDINATE EXACT ROUTING WITH STRUCTURAL FOOTING AND ALL CONSTRUCTION TRADES.
9	NPS 4 RWL RISER DOWN, TIGHT TO COLUMN. OFFSET AT BASE BELOW SLAB AROUND COLUMN FOOTING. PROVIDE CLEANOUTS AT BASE OF RISER, 8" A.F.F.
10	INSULATE HORIZONTAL STORM LINE A MIN. 3'-0" DOWN VERTICAL C/W WHITE PVC JACKET. INSTALL WITH A 1% SLOPE AND AS HIGH AS POSSIBLE.
11	NEW NPS 6 UP TO ROOF DRAIN RD-1. INSTALL 4" ROOF DRAIN, REFER TO P0.1 FOR SPECIFICATION. INSTALL AS PER DETAILS ON ARCHITECTURAL DRAWINGS. INSTALL HORIZONTAL RWL PIPING ON INTERIOR WITHIN STEEL JOIST WEBBING (ABOVE BOTTOM OF JOISTS) WITH 1/8" PER FT. SLOPE MINIMUM. INSULATE PIPING AND PROVIDE CLEANOUTS AS REQUIRED PER LOCAL CODE. COORDINATE ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION. USE PVC PIPING FOR PRIMARY DRAINAGE SYSTEMS OR USE CAST IRON IF REQUIRED BY LOCAL CODE.
12	EXTERIOR TRENCH DRAIN: MEADRAIN SUPREME EN100D OR SIMILAR TO BE DESIGNED FOR TRUCK VEHICLE LOADING.
13	NEW NPS 3 PLUMBING VENT THROUGH ROOF (VTR).
14	NPS ¾ DCW DOWN RECESSED IN WALL TO HB-1 C/W SHUT-OFF VALVE AND 'Y' CONNECTION.
15	INSTALL SANITARY PIPING WITH POSITIVE SLOPE MIN. 2% FOR ALL NPS 2, 3, 4 & 6 LINES. COORDINATE ROUTING WITH STRUCTURAL FOOTINGS AND ALL CONSTRUCTION TRADES PRIOR TO ROUGH IN INSTALLATION.
16	COORDINATE EXACT FLOOR DRAIN (FD-2) INSTALLATION WITH BACKFLOW PREVENTER INSTALLATION. TERMINATE BACKFLOW PREVENTER RELIEF DRAIN PIPE AS REQUIRED OVER DRAIN.
17	SEE DETAIL 1/P1.1 FOR CONTINUATION.
18	SEE DETAIL 2/P1.1 FOR CONTINUATION.
19	INSTALL PIPING ABOVE THE BOTTOM CHORD OF JOIST THROUGHOUT THE STORE WHERE OPEN TO STRUCTURE, COORDINATE EXACT ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.
20	INSTALL PIPING ABOVE CEILING, COORDINATE EXACT ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION. ALL SHUT-OFF VALVES, WHERE APPLICABLE, SHALL BE INSTALLED @12" MAXIMUM IN CEILING SPACE TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES (ON VERTICAL, IF NECESSARY).
21	INSTALL DOMESTIC WATER PIPING TIGHT TO U/S OF DECK IN RECEIVING AREA, COORDINATE EXACT ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.
22	GAS METER AND INCOMING SERVICE TO STOP 5'-0" OUTSIDE BUILDING AND COORDINATE WITH GAS COMPANY AND CIVIL DRAWINGS FOR EXACT LOCATION. SEE SHEET P.3.0 FOR SIZING CRITERIA AND LOADS). SEE DETAIL 1/P2.0 FOR MORE INFORMATION.
23	NPS 2½ GAS RISER, ROUTE EXPOSED AND TIGHT AGAINST OUTSIDE OF WALL TO ROOF. PAINT GAS LINE UP SIDE OF BUILDING TO MATCH EXTERIOR FINISH COLOR.
24	GAS PIPING ON ROOF, PAINT TRAFFIC YELLOW, SUPPORT PIPING AS ILLUSTRATED IN DETAIL 5/P2.0.
25	GAS LINE SHUT-OFF/COCK VALVE TO RTU. SEE GAS PIPING DETAIL ON P2.0
26	ROOFTOP UNIT CONDENSATE DRAIN, REFER TO DETAIL 4/P2.0. CPVC CONDENSATE DRAINS SHALL MATCH UNIT DRAIN CONNECTION. DRAIN ON ROOF WITH 6" DEEP TRAP AND VENT – SEE SHEET P2.0 FOR CONDENSATE DRAIN AND FOR PIPING SUPPORT DETAILS. CONDENSATE DRAIN TO DISCHARGE ON ROOF MINIMUM 3'-0" FROM LOW SIDE OF ROOFTOP UNIT ONTO SPLASH BLOCK OR WALK MAT.
27	PROVIDE 'QUICK BLOC' SUPPORTS FOR GAS PIPING MOUNTED ON ROOF AS PER DETAIL '5/P2.0'.
28	PROVIDE NPS ¾ DCW. ROUTE IN JOIST SPACE AS HIGH AS POSSIBLE, UP THROUGH CURB TO (RH-1). SEE DETAIL 9/P2.0
29	DOMESTIC WATER BOOSTER PUMP, PRESSURE TANK AND VFD CONTROLLER. REFER TO DETAIL 3/P1.0.

DESIGNER NOTE:
ON PROJECTS SPECIFIC BASIS, WHEN REQUIRED BY LOCAL CODE OR AUTHORITY HAVING JURISDICTION. DESIGNER NOTES AND INFORMATION DETAILS TO COMPLY WITH SEISMIC REQUIREMENTS.

DESIGNER NOTE:
MODIFY SEWER AND STORM DESIGN AS NEEDED TO CLEAR STRUCTURAL FOOTING. SANITARY AND STORM INVERTS OUTSIDE BUILDING SHALL BE BELOW FROST LINE AS PER LOCAL CONDITIONS. THE FROST LINE INFORMATION REQUIRED. CIVIL

DESIGNER NOTE:
IF HOMEBOY IS TO BE INSTALLED ON GRADE, UNLESS HOMEBOY IS DESIGNED TO BE INSTALLED TO CONNECT TO STORM DRAIN, IF DESIGNED TO CONNECT TO SANITARY DRAIN, IF DESIGNED TO CONNECT TO SEWER LEAVE DETAIL.

DESIGNER NOTE:
WHEN THE LOADING DOCK WALL LIMITS THE DESIGNER'S ABILITY TO CONSIDER THE FOLLOWING INDIRECT WASTE REQUIREMENTS, PROVIDE SPECIFIC NOTE IMPLEMENTING THE FOLLOWING: PROVIDE 4" DIA. CAST IRON FLOOR DRAIN WITH TRAP PRIMER CONNECTION, FIELD VERIFY EXACT LOCATION. FIELD VERIFY 1/4" TO 1'-0" SLOPE TO DRAIN.



1 / P1.1 — PLUMBING FLOOR PLAN - RECEIVING, BATHING AND WASHROOM AREAS
SCALE: 1/4" = 1'-0"

2 / P1.1 — PLUMBING FLOOR PLAN - FISH EQUIPMENT, ADOPTIONS AND ASSOCIATE RESOURCE AREAS
SCALE: 1/4" = 1'-0"

3 / P1.1 — RECIRCULATING PUMP INSTALLATION (RP-1)
NTS

DESIGNER NOTE:
DO NOT DEVIATE FROM USE ORDER AND BASIC CONTENT OF KEYED NOTES WITHOUT CONSULTING PETSMART. NOTES TO BE EDITED TO SUIT PARTICULAR PROJECT SHALL BE CHANGED TO 'NOT USED'.

PLUMBING KEY NOTES:

#	
1	SEE SHEET P1.0 FOR PIPING CONTINUATION.
2	PROVIDE AND INSTALL WATTS DUAL CHECK REDUCED PRESSURE BACKFLOW ASSEMBLY, SERIES LF919AGF-QT-S (QUARTER TURN VALVES, BRONZE STRAINER, LEAD-FREE CONSTRUCTION) ON INCOMING 1½" DOMESTIC COLD WATER LINE AND BUILDING SHUT-OFF VALVE ON RISER. INSTALL AS PER CSA STANDARDS, REFER TO DETAIL 3/P2.0. OBTAIN VERIFICATION OF BACKFLOW PREVENTER BY CERTIFIED INSPECTOR PRIOR TO FINAL COMPLETION.
3	NPS ¾ DCW DOWN RECESSED IN WALL TO HB-1 C/W SHUT-OFF VALVE AND 'Y' CONNECTION.
4	INSTALL SANITARY PIPING WITH POSITIVE SLOPE MIN. 2% FOR ALL NPS 2, 3, 4 & 6 LINES. COORDINATE ROUTING WITH STRUCTURAL FOOTINGS AND ALL CONSTRUCTION TRADES PRIOR TO ROUGH IN INSTALLATION.
5	COORDINATE EXACT FLOOR DRAIN (FD-2) INSTALLATION WITH BACKFLOW PREVENTER INSTALLATION. TERMINATE BACKFLOW PREVENTER RELIEF DRAIN PIPE AS REQUIRED OVER DRAIN.
6	FLOOR DRAIN (FD-1) NEXT TO DOMESTIC WATER HEATER. TERMINATE T&P RELIEF VALVE DRAINAGE PIPING FROM DOMESTIC WATER HEATER WITH REQUIRED AIR GAP PER APPLICABLE CODES AND/OR A.H.J.
7	NPS ¾ DCW DOWN IN WALL FURRING TO NEW EXTERIOR HOSE BIBB HB-1 (MOUNTED @28" AFF), C/W INTERIOR SHUT-OFF VALVE AND ACCESS DOOR @60" AFF. ENSURE PIPE IS FULLY WRAPPED WITH THERMAL INSULATION.
8	OVERHEAD COLD WATER STUB TO FEED AQUARIUM EQUIPMENT. RUN PIPING SURFACE MOUNTED DOWN BACKSIDE OF BULKHEAD TO FISH FILTER SYSTEM. PROVIDE SHUT-OFF VALVE, FINAL CONNECTION TO AQUARIUM BY CONTRACTOR, DO NOT DROP TAP DOWN FROM CEILING SPACE BEFORE AQUARIUM EQUIPMENT IS INSTALLED, BRACE VERTICAL DROP AS REQUIRED. BFP-1 PROVIDED WITH FISH SYSTEM, SEE PLUMBING SCHEDULE ON P0.1. ROUTE BACKFLOW BLOW-OFF BEHIND TANKS TO SPILL INTO TD-2.
9	NPS ¾ COLD/HOT WATER SURFACE MOUNTED TO WALL, MOUNT ZURN FAUCET 48" AFF (3"-1⅝" FROM TOP OF CURB). THIS CONTRACTOR IS TO DO ALL FINAL CONNECTIONS TO THE HYDROSURGE UNIT. REFER TO DETAIL 13/P2.0. NO UNISTRUT IS ALLOWED TO MOUNT PLUMBING IN BATHING AREA. EXPOSED WATER SUPPLY PIPING IN BATHING AREA SHALL BE COPPER (INCLUDING VALVES AND FITTINGS).
10	INSTALL COMPLETE RECIRCULATION PUMP (RP-1) ASSEMBLY VERTICALLY ON THE WALL WITH PUMP AT 7'-0" A.F.F. TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES, PROVIDE WALL MOUNTED SUPPORT AS REQUIRED. REFER TO DETAIL 3/P1.1.
11	TRAP PRIMER (TP-1) ABOVE T-BAR CEILING. RUN ½" PEX POLYETHYLENE PIPING IN WALL AND BELOW TOP SLAB TO P-TRAPS WHERE SHOWN. SEE DETAIL 12/P2.0 FOR MORE INFORMATION.
12	NPS ¾ DCW & NPS ¾ DHW DOWN IN WALL FURRING FOR MS-1. FAUCET FOR JANITOR'S SINK (MS-1) TO BE MOUNTED AT 3'-0" AFF.
13	LOCATION OF NEW NPS 3 PLUMBING VENT THROUGH ROOF (VTR).
14	CENTRE OF SINK CUT INTO MILLWORK 1'-8" FROM SIDE WALL.
15	NPS ½ DCW/DHW DOWN IN WALL FURRING.
16	INSTALL PIPING ABOVE THE BOTTOM CHORD OF JOIST THROUGHOUT THE STORE WHERE OPEN TO STRUCTURE, COORDINATE EXACT ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.
17	INSTALL PIPING ABOVE CEILING, COORDINATE EXACT ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION. ALL SHUT-OFF VALVES, WHERE APPLICABLE, SHALL BE INSTALLED @12" MAXIMUM IN CEILING SPACE TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES (ON VERTICAL, IF NECESSARY).
18	INSTALL DOMESTIC WATER PIPING TIGHT TO U/S OF DECK IN RECEIVING AREA, COORDINATE EXACT ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.
19	PLUMBING CONTRACTOR IS TO VERIFY WITH LOCAL PLUMBING INSPECTOR FOR BATHING BACKFLOW REQUIREMENTS. PROVIDE A SEPARATE PRICE TO SUPPLY AND INSTALL A ¼" REDUCE PRESSURE BACKFLOW (ONE HOT, ONE COLD) TO FEED SOLELY FOR BATHING ROOM. BACKFLOW TO BE MOUNTED ON RECEIVING ROOM WALL AT MAXIMUM 4'-0" AFF.
20	DOMESTIC WATER BOOSTER PUMP, PRESSURE TANK AND VFD CONTROLLER. REFER TO DETAIL 3/P1.0.

DESIGNER NOTE:
MARK NOTE AS 'NOT USED' WHEN PUMP IS NOT REQUIRED.

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

DISCLAIMER: COPYRIGHT:
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.
THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

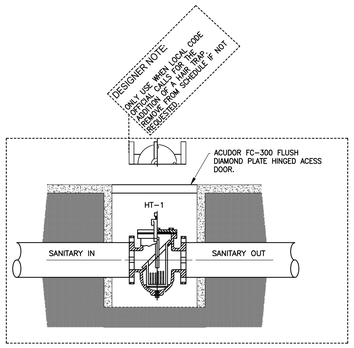
PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 41 OF: 53

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

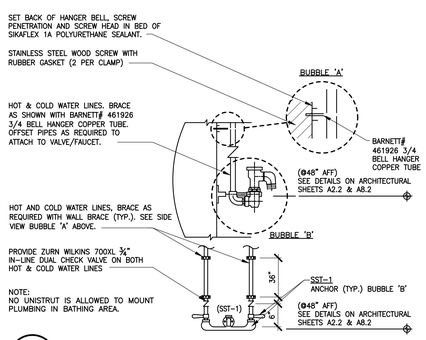
DISCIPLINE: MECHANICAL

TITLE: ENLARGED FLOOR PLANS

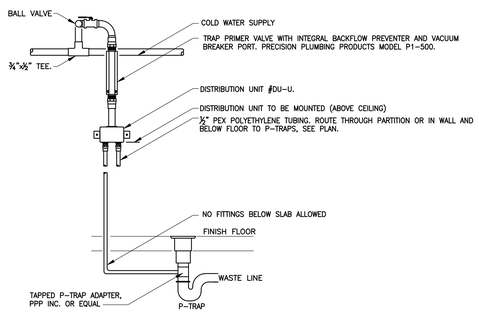
SHEET NUMBER: **P1.1**



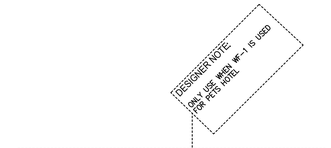
14 P2.0 HAIR TRAP INSTALLATION
NTS



13 P2.0 (SST-1) FAUCET INSTALLATION DETAIL
NTS

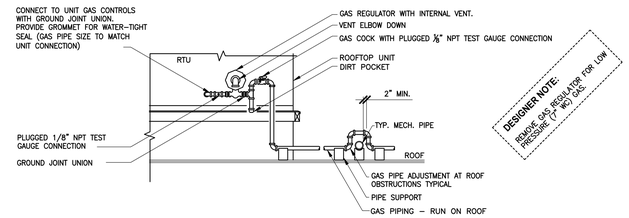


12 P2.0 TRAP PRIMER (TP-1)
NTS



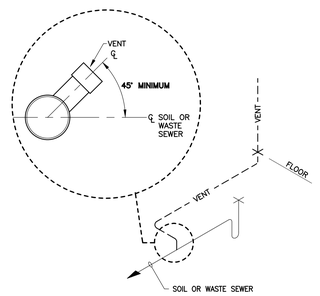
NOTES:
1. GC TO PROVIDE 6 REPLACEMENT FILTERS, MODEL F.SET.SS-2.56.
2. THIS DIAGRAM FOR INFORMATION ONLY. CONTRACTOR SHALL PERFORM COMPLETE ASSEMBLY PER MANUFACTURER'S RECOMMENDATIONS.

15 P2.0 WATER FILTER INSTALLATION (WF-1)
NTS



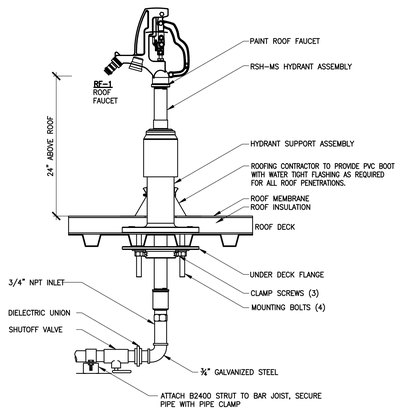
NOTE:
1. CONTRACTOR SHALL VERIFY ALL MECHANICAL GAS FIRED EQUIPMENT CONNECTION LOCATIONS IN THE FIELD PRIOR TO INSTALLING ANY GAS PIPE MAINS OR BRANCHES.

11 P2.0 TYPICAL RTU GAS PIPING CONNECTION
NTS

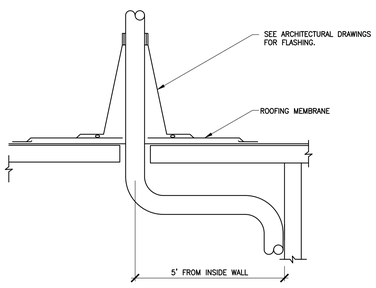


NOTE:
1. CONNECT VENT TO SOIL OR WASTE PIPING ABOVE CENTRELINE. UNDERSLAB HORIZONTAL CONNECTIONS OF VENT PIPING TO WASTE SEWER SYSTEM PIPELINE SHALL NOT BE ALLOWED.

10 P2.0 VENT PIPING INSTALLATION
NTS

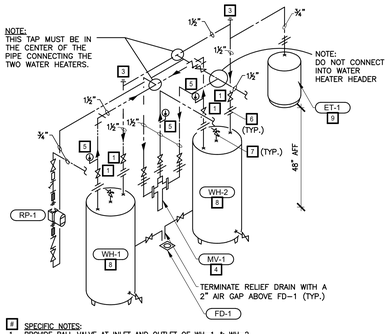


9 P2.0 ROOF HYDRANT RH-1
NTS



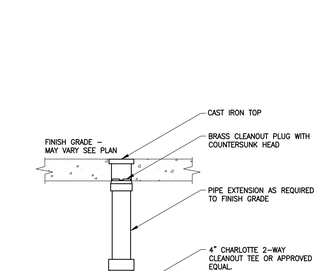
NOTES:
1. VENT PIPE TO BE INSTALLED BY PLUMBING CONTRACTOR PRIOR TO ROOFING APPLICATION.
2. COORDINATE EXACT VENTS THRU ROOF LOCATION WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.
3. NO VENTS THRU ROOF SHALL BE INSTALLED WITHIN 10'-0" OF ANY BUILDING FRESH AIR INTAKE, CONTRACTOR TO INSURE PRIOR TO INSTALLATION.

8 P2.0 TYPICAL VENT THROUGH ROOF DETAL
NTS



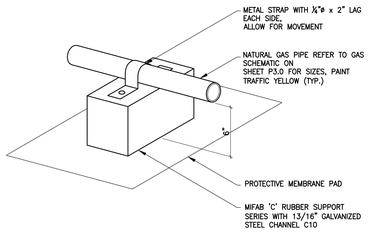
4 SPECIFIC NOTES:
1. PROVIDE BALL VALVE AT INLET AND OUTLET OF WH-1 & WH-2.
2. PROVIDE 2" OF COPPER PIPING FROM DIELECTRIC FITTINGS. T&P PIPING TO BE COPPER. ALL FITTINGS VALVES Etc. TO BE COPPER.
3. PROVIDE VACUUM RELIEF VALVE AT EACH CW SUPPLY CONNECTION (WATTS MODEL LFN36-M1).
4. POWERS WM434 HYDROGUARD MIXING VALVE, SET @ 110°F.
5. THERMOMETER SHALL BE 2½"ø MILJOCO 30 TO 250°F OR EQUAL.
6. DIELECTRIC UNION.
7. TEMPERATURE PRESSURE RELIEF VALVE.
8. PROVIDE AND INSTALL SEISMIC BRACING FOR HWT'S AS REQUIRED BY LOCAL BUILDING CODE.
9. STRAP/SECURE EXPANSION TANK TO WALL.
10. DETAIL ORIENTATION FOR REFERENCE ONLY

7 P2.0 GENERIC WATER HEATERS WH-1 & WH-2 SCHEMATIC
NTS



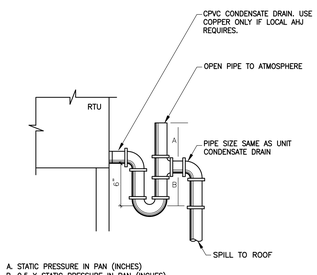
NOTE:
1. ALL CLEANOUT LOCATIONS SHALL BE VERIFIED WITH PETSMART CM PRIOR TO INSTALLATION.

6 P2.0 TYPICAL TWO-WAY CLEANOUT
NTS



NOTES:
1. SPACE BLOCKING STANDS AT 6'-0" INTERVALS ON ROOF.
2. SIMILAR AT CONDENSATE LINES.

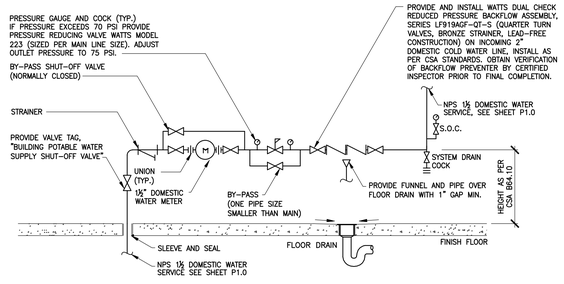
5 P2.0 TYPICAL PIPE SUPPORT DETAIL
NTS



A. STATIC PRESSURE IN PAN (INCHES)
B. 0.5 X STATIC PRESSURE IN PAN (INCHES)

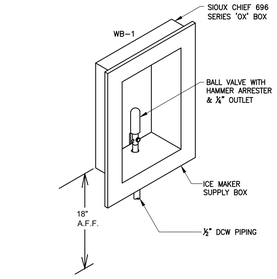
NOTE:
ALL PIPES FULL SIZE OF UNIT OUTLET, PAINT WHITE

4 P2.0 TYPICAL RTU CONDENSATE PIPING
NTS



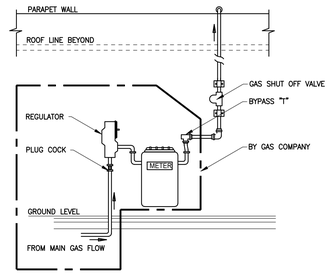
NOTES:
1. SECURE PIPING TO WALL OR FLOOR WITH UNISTRUT AND PIPE CLAMPS 24" O.C. OR AS REQUIRED.
2. COORDINATE & FIELD ORIENT ALL PIPING SO AS NOT TO INTERFERE WITH SPRINKLER PIPING AND/OR ASSOCIATED DEVICES.
3. ALL VALVES SHALL BE EASILY ACCESSIBLE FOR MAINTENANCE PURPOSES.

3 P2.0 DOMESTIC WATER SERVICE ENTRANCE DETAIL
NTS



NOTES:
1. ICE MAKER SUPPLY BOX (WB-2) BE AS SHOWN.
2. PROVIDE WATTS SERIES 7 DOUBLE CHECK VALVE IN ½" SUPPLY LINE.

2 P2.0 ICE MAKER SUPPLY BOX (WB-1)
NTS



NOTE:
COORDINATE ALL GAS UTILITY REQUIREMENTS PRIOR TO INSTALLATION.

1 P2.0 TYPICAL GAS METER PIPING
NTS

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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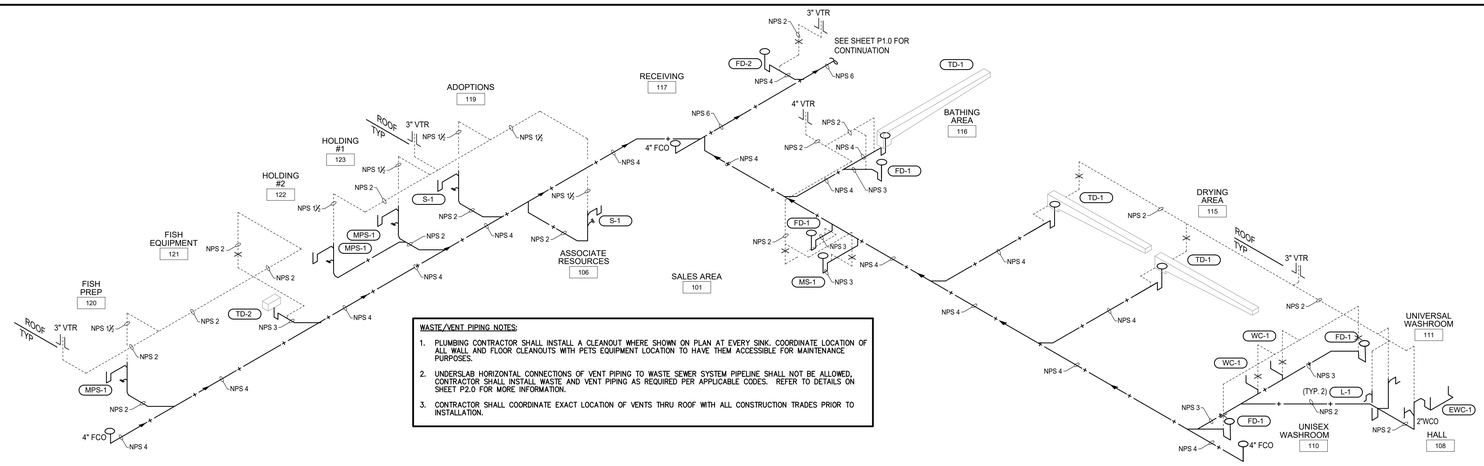
NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146
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DRAWN BY:
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PAGE #: 42 OF: 53
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DISCIPLINE: MECHANICAL

TITLE: PLUMBING DETAILS

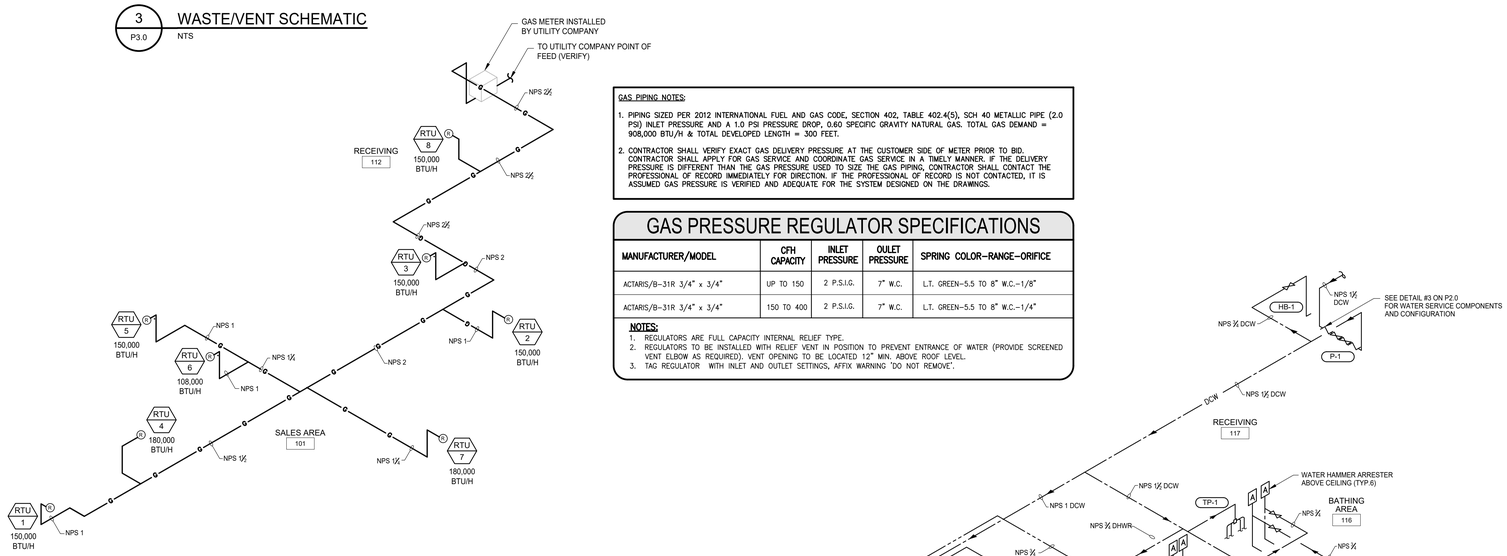
SHEET NUMBER: **P2.0**



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 ACCESSIBLE 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. REFER TO DETAILS ON SHEET P2.0 FOR MORE INFORMATION.
3. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF VENTS THRU ROOF WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.

3 WASTE/VENT SCHEMATIC
P3.0 — NTS



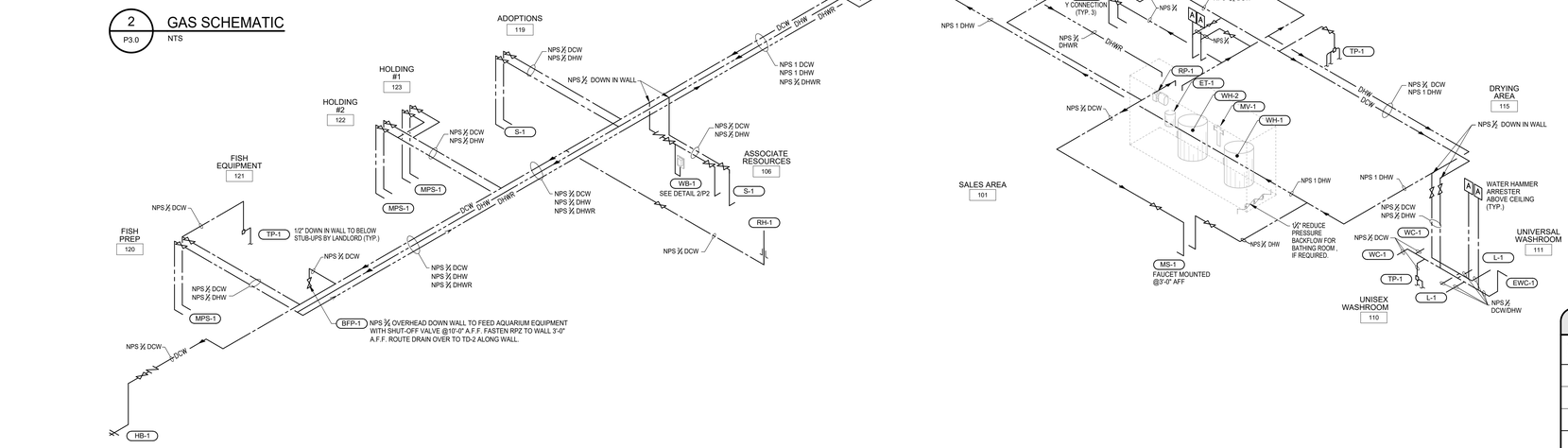
GAS PIPING NOTES:

1. PIPING SIZED PER 2012 INTERNATIONAL FUEL AND GAS CODE, SECTION 402, TABLE 402.4(5), SCH 40 METALLIC PIPE (2.0 PSI) INLET PRESSURE AND A 1.0 PSI PRESSURE DROP, 0.60 SPECIFIC GRAVITY NATURAL GAS. TOTAL GAS DEMAND = 908,000 BTU/H & TOTAL DEVELOPED LENGTH = 300 FEET.
2. CONTRACTOR SHALL VERIFY EXACT GAS DELIVERY PRESSURE AT THE CUSTOMER SIDE OF METER PRIOR TO BID. CONTRACTOR SHALL APPLY FOR GAS SERVICE AND COORDINATE GAS SERVICE IN A TIMELY MANNER. IF THE DELIVERY PRESSURE IS DIFFERENT THAN THE GAS PRESSURE USED TO SIZE THE GAS PIPING, CONTRACTOR SHALL CONTACT THE PROFESSIONAL OF RECORD IMMEDIATELY FOR DIRECTION. IF THE PROFESSIONAL OF RECORD IS NOT CONTACTED, IT IS ASSUMED GAS PRESSURE IS VERIFIED AND ADEQUATE FOR THE SYSTEM DESIGNED ON THE DRAWINGS.

GAS PRESSURE REGULATOR SPECIFICATIONS

MANUFACTURER/MODEL	CFH CAPACITY	INLET PRESSURE	OULET PRESSURE	SPRING COLOR–RANGE–ORIFICE
ACTARIS/B–31R 3/4" x 3/4"	UP TO 150	2 P.S.I.G.	7" W.C.	L.T. GREEN–5.5 TO 8" W.C.–1/8"
ACTARIS/B–31R 3/4" x 3/4"	150 TO 400	2 P.S.I.G.	7" W.C.	L.T. GREEN–5.5 TO 8" W.C.–1/4"

NOTES:
1. REGULATORS ARE FULL CAPACITY INTERNAL RELIEF TYPE.
2. REGULATORS TO BE INSTALLED WITH RELIEF VENT IN POSITION TO PREVENT ENTRANCE OF WATER (PROVIDE SCREENED VENT ELBOW AS REQUIRED). VENT OPENING TO BE LOCATED 12" MIN. ABOVE ROOF LEVEL.
3. TAG REGULATOR WITH INLET AND OUTLET SETTINGS, AFFIX WARNING 'DO NOT REMOVE'.



2 GAS SCHEMATIC
P3.0 — NTS

WATER PIPING NOTE:

1. ALL WATER PIPING SHOULD BE COPPER TYPE 'L'. ALTERNATE PEX PIPING IS ACCEPTABLE, HOWEVER PRIOR TO SUBMITTING THE BID PLUMBING CONTRACTOR SHALL VERIFY WITH LOCAL CODE OFFICIAL THAT PEX PIPING IS APPROVED FOR WATER DISTRIBUTION SYSTEMS. IF PEX PIPING IS APPROVED, ALL WATER PIPING 2" AND SMALLER SHALL BE ZURN PEX POLYETHYLENE TUBING. INSTALL TUBING PER MANUFACTURERS INSTRUCTIONS. **DO NOT STORE PEX TUBING AND FITTINGS IN DIRECT OR INDIRECT SUN LIGHT.**
2. EXPOSED PIPING AND SHUT–OFF VALVES IN CEILING IN BATHING AREA SHALL BE COPPER, NO EXCEPTIONS.
3. ALL PIPING, FITTINGS AND VALVES FOR WATER HEATERS CONNECTIONS SHALL BE COPPER.

1 WATER SCHEMATIC
P3.0 — NTS

PLUMBING CALCULATIONS BASED ON 2012 OBC:

WATER		WASTE
SPRAY HOSE	5 x1.4 WSFU = 7 WSFU	
WATER CLOSET (FT)	2 x 5 WSFU = 10 WSFU	2 x 4 DFU = 8 DFU
	2 x .25 WSFU = 0.5 WSFU	2 x 0.5 DFU = 1 DFU
LAVATORY	2 x 2 WSFU = 4 WSFU	2 x 1 DFU = 2 DFU
URINAL	0 x 5 WSFU = 0 WSFU	0 x 2 DFU = 0 DFU
SINK	2 x 2 WSFU = 4 WSFU	2 x 2 DFU = 4 DFU
MOP/SERVICE SINK	4 x 3 WSFU = 12 WSFU	4 x 2 DFU = 8 DFU
HOSE BIBB (FIRST)	1 x 3 WSFU = 3 WSFU	
HOSE BIBB (EACH ADDITIONAL)	2 x 1 WSFU = 2 WSFU	
FLOOR OR TRENCH DRAIN, 3"		2 x 4 DFU = 8 DFU
FLOOR OR TRENCH DRAIN, 4"		8 x 6 DFU = 48 DFU
TOTAL FIXTURE UNITS	= 42.5 WSFU	= 79 DFU
42.5 FIXTURE UNITS	27.0 GPM	
HIGHEST ELEVATION	18 FEET	

(18 FT.) x 0.43 = 7.74 PSI STATIC LOSS

HORIZ. PIPE LENGTH METER TO BUILDING (PRV) *	10 FEET
HORIZ. PIPE LENGTH BLDG. (PRV) TO LAST FIXTURE	270 FEET
VERT. PIPE LENGTH BLDG. RISE TO HIGHEST FIXTURE	18 FEET
TOTAL PIPE LENGTH (FROM PRV TO LAST FIXTURE)	360 FEET

(360 FT.) x 1.25 (FITTING LOSS) = 450 FEET TOTAL DEVELOPED LENGTH

SIZE	DEVICE	PSI LOSS
1-1/2"	BACKFLOW PREVENTOR	10.0
1-1/2"	METER	5.0
	STATIC	7.74
	FIXTURE	25.00
	TOTAL BUILDING LOSS	47.74 PSI

PRESSURE AT BLDG	70.00 PSI
PRESSURE REGULATOR SETTING	NA
BUILDING LOSS	47.74 PSI
DIFFERENCE	27.26 PSI

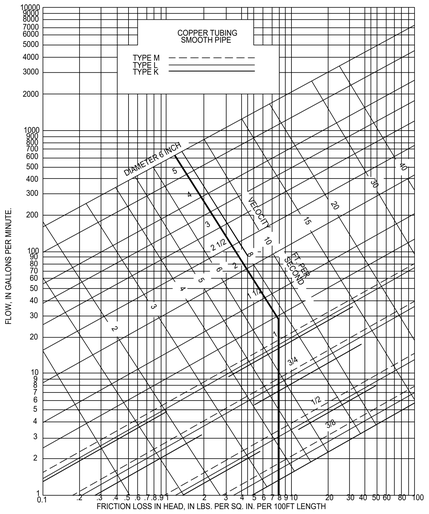
(27.26/360) x 100 = 7.6 — **MAX. PSI DROP ALLOWABLE PER 100 FT. PIPE LENGTH**

BRANCH PIPE SIZING CHART - PSI LOSS

PIPE SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
GPM	3	8.5	18	30	45	78
FU (F.T.)	1	4	16	55	110	260

* THIS PIPE LENGTH SHALL NOT BE INCLUDED WHEN/IF PRESSURE REGULATOR IS PROVIDED/REQUIRED.

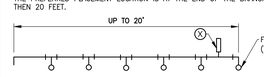
** METER LOSSES SHALL NOT BE INCLUDED WHEN/IF PRESSURE REGULATOR IS PROVIDED/REQUIRED AND METER IS INSTALLED OUTSIDE THE BUILDING.



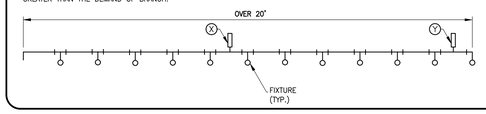
WATER HAMMER ARRESTOR SCHEDULE

P.D.I. SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	FIXTURE UNIT RATING	REMARKS
"A"	J.R. SMITH	5005	3/4"	1–11	THREADED NIPPLE CONNECTION
"B"	J.R. SMITH	5010	1"	12–32	THREADED NIPPLE CONNECTION
"C"	J.R. SMITH	5020	1"	33–60	THREADED NIPPLE CONNECTION

RULE 1:
THE PREFERRED PLACEMENT LOCATION IS AT THE END OF THE BRANCH LINE BETWEEN THE LAST TWO FIXTURES IN A BRANCH LESS THEN 20 FEET.



RULE 2:
IN LINES THAT EXCEED 20 FT. IN LENGTH, THE SUM OF THE FIXTURE UNIT RATINGS OF UNITS (X) & (Y) SHALL BE EQUAL TO OR GREATER THAN THE DEMAND OF BRANCH.



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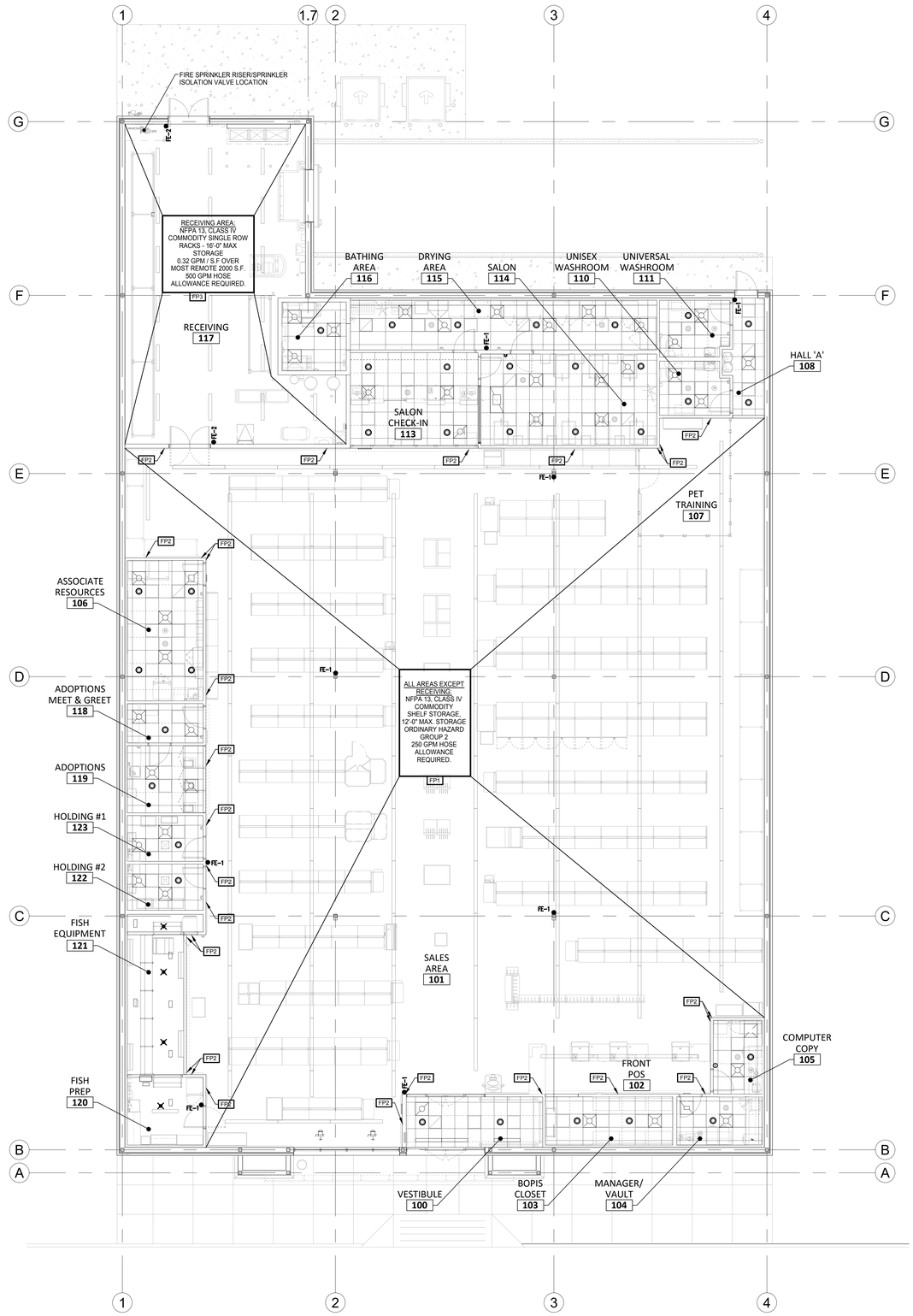
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TITLE:
PLUMBING SCHEMATICS & SCHEDULES

SHEET NUMBER:
P3.0



1 FP1.0 FIRE PROTECTION FLOOR PLAN
1/8" = 1'-0"

NORTH

FIRE PROTECTION LEGEND:

ITEM	DESCRIPTION
F.E.	FIRE EXTINGUISHER
	CONCEALED SPRINKLER COMPLETE WITH WHITE COVER PLATE
	UPRIGHT SPRINKLER HEAD
N.I.C.	NOT IN CONTRACT
	EXISTING PIPING

FIRE EXTINGUISHER SCHEDULE:

TAG	CANNISTER WEIGHT (LBS.)	WALL MOUNT C/W BRACKET	CABINET SUPPLIED	MINIMUM RATING	REMARKS
FE-1	5	YES	–	2A,10BC	C/W STANDARD BRACKET
FE-2	10	YES	–	4A,60BC	C/W STANDARD BRACKET

NOTE:
ALL FIRE EXTINGUISHERS COMPLETE WITH CERTIFICATION TAGS WILL BE SUPPLIED AND INSTALLED BY THIS CONTRACTOR.

FIRE PROTECTION GENERAL NOTES:

A. SPRINKLER SYSTEM INSTALLATION TO NFPA 13 – 2016 EDITION AND LOCAL BUILDING CODE REQUIREMENTS. MECHANICAL CONTRACTOR IS TO PROVIDE SPRINKLER ENGINEERED DRAWINGS AND HYDRAULIC CALCULATIONS. ALL SPRINKLERS ARE NEW SPRINKLERS SHOWN FOR INTENT.

B. CONTRACTOR TO MODIFY EXISTING BUILDING SPRINKLER SYSTEM TO SUIT NEW LAYOUT AS SHOWN. THIS IS TO INCLUDE ALL REQUIRED MATERIAL TO ACCOMMODATE NEW LAYOUT. PROVIDE NEW SPRINKLERS AS REQUIRED TO SUIT NFPA 13 – 2016 EDITION AND LOCAL BUILDING CODE REQUIREMENTS. CONTRACTOR TO REVIEW ENTIRE SITE AND ADVISE ENGINEER OF ANY DISCREPANCIES OF THE COVERAGE SHOWN ON THESE PLANS PRIOR TO CONSTRUCTION.

C. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SHUTDOWNS AND/OR BYPASSES OF ANY FIRE PROTECTION SYSTEMS WHICH MAY BE AFFECTED BY THIS PROJECT.

D. WHERE DRAINING OF ANY FIRE PROTECTION SYSTEM IS REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINING, REFILLING AND ENSURING THAT THERE ARE NO LEAKS ON THE SYSTEM ONCE RETURNED TO NORMAL WORKING PRESSURE.

E. ALL FIRE PROTECTION SYSTEMS MUST BE RETURNED TO THEIR NORMAL OPERATING CONDITION UPON COMPLETION AND AT THE END OF EACH WORK SHIFT.

F. ALL SPRINKLER PIPING TO BE RUN ABOVE BOTTOM CHORD OF JOISTS.

G. SHOP DRAWING SUBMITTALS:

a. SUBMIT SHOP DRAWINGS AND PRODUCT DATA SHEETS FOR ALL COMPONENTS INSTALLED ON THE SPRINKLER SYSTEM. DELETE INFORMATION NOT APPLICABLE TO THE PROJECT FROM THE SHOP DRAWINGS.
b. HYDRAULIC CALCULATION FOR NEW SPRINKLER SYSTEM TO BE PERFORMED PRIOR TO THE COMMENCEMENT OF THE WORK. HYDRAULIC CALCULATION MUST BE REVIEWED AND APPROVED (SEALED) BY A LICENSED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO.
c. WHERE FULLY RECESSED SPRINKLERS ARE SPECIFIED AND APPROVED, A COLOUR SAMPLE MUST BE SUPPLIED TO OWNER/ARCH. FOR APPROVAL PRIOR TO ORDERING.

H. PRODUCTS:

a. PIPE: FERROUS SCHEDULE 40 OR SCHEDULE 10: THREADED (SCHEDULE 40 ONLY), WELDED, FLANGED OR ROLL GROOVED TO NFPA 13.
b. HANGERS: ULC LISTED FOR FIRE PROTECTION SERVICES
c. SPRINKLERS: ULC LISTED, NFPA 13. SPRINKLER TO BE STANDARD COVERAGE, ORDINARY TEMPERATURE SPRINKLERS UNLESS OTHERWISE REQUIRED BY NFPA 13 OR INDICATED ON DRAWINGS. SPRINKLER TYPE SHALL CONFORM TO LEGEND. PROVIDE SPARE SPRINKLERS AS REQUIRED BY NFPA 13.
d. ALL CONCEALED SPRINKLERS ARE TO BE WHITE.

I. INSTALLATION:

a. INSTALL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 – 2016 EDITION AND TO THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

J. TESTING:

a. TESTING TO BE CONDUCTED AS PER NFPA 13 – 2016 EDITION.
b. SPRINKLER SYSTEM SHALL BE HYDROSTATICALLY TESTED AT NORMAL WORKING PRESSURE FOR A MINIMUM DURATION OF 2 HOURS.
c. TESTING TO BE WITNESSED BY THE AUTHORITY HAVING JURISDICTION. NOTIFY ENGINEER 48 HOURS PRIOR TO TESTING.
d. PROVIDE ENGINEER WITH TESTING CERTIFICATE WITHIN 48 HOURS OF SUCCESSFUL TESTING.

FIRE EXTINGUISHERS

A. FIRE EXTINGUISHERS SHALL BE MULTI-PURPOSE ABC DRY CHEMICAL EXTINGUISHERS, ALLOW FOR (2) EXTRA EXTINGUISHERS NOT SHOWN ON DRAWING; ONE EXTINGUISHER OF EACH TYPE AS SHOWN ON THE DESIGN DRAWING. PROVIDE AND INSTALL SIGNAGE FOR ALL EXTINGUISHERS.

B. FIRE EXTINGUISHERS SHALL BE PROVIDED AND INSTALLED BY THIS CONTRACTOR. VERIFY EXACT LOCATION ON SITE WITH PETSMART PRIOR TO INSTALL.

C. FIRE EXTINGUISHERS TO BE INSTALLED AS PER NFPA 10 – 2016 AND THE 2015 EDITION OF THE ONTARIO FIRE CODE. TOP OF FIRE EXTINGUISHER TO BE A MAXIMUM OF 5'-0" A.F.F.

SPRINKLER DESIGN CRITERIA:

PROVIDE WET PIPE AUTOMATIC SPRINKLER SYSTEM CONFORMING TO THE FOLLOWING CRITERIA:

ALL AREAS EXCEPT RECEIVING:
NFPA 13, CLASS IV COMMODITY
SHELF STORAGE, 12'-0" MAX. STORAGE
ORDINARY HAZARD GROUP 2
250 GPM HOSE ALLOWANCE REQUIRED.

RECEIVING:
NFPA 13, CLASS IV COMMODITY
SINGLE ROW RACKS, 16'-0" MAX. STORAGE
0.32 GPM/FT² OVER A DESIGN AREA OF 2,000 FT²
500 GPM HOSE ALLOWANCE REQUIRED.

THE FIRE PROTECTION CONTRACTOR SHALL PERFORM, AS PART OF THIS CONTRACT, A WATER FLOW TEST AT FIRE HYDRANTS NEAREST FIRE RISER SUPPLY LINE CONNECTION TO CITY WATER MAINS. TEST SHALL BE CONDUCTED BY MUNICIPALITY AND WATER DEPARTMENT REQUIREMENTS. TEST SHALL BE WITNESSED BY ALL AUTHORITIES HAVING JURISDICTION.

REFER TO FIRE SPRINKLER SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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 SPRINKLERS EQUIPPED WITH 'O' RING SEAL ARE PROHIBITED (NO EXCEPTIONS).

FIRE RISER SHALL BE LOCATED AS INDICATED ON DRAWING. PROVIDE VERTICALLY MOUNTED RISER ASSEMBLY UNLESS PROHIBITED BY CODE.

PROVIDE INSPECTOR TEST CONNECTION WHEN REQUIRED.

COORDINATE LOCATIONS OF EXISTING COMPONENTS, INSPECTOR TEST VALVES AND SYSTEM DRAINS WITH FIXTURE PLAN. FINAL LOCATION APPROVAL BY PETSMART CONSTRUCTION MANAGER.

SPRINKLERS TO BE LOCATED IN CENTRE OF CEILING TILE, WHERE POSSIBLE.

FIRE PROTECTION KEY NOTES:

#	
FP1	SPRINKLER SYSTEM IN SPACE IS EXISTING. CONTRACTOR SHALL ALLOW FOR THE RELOCATION OF 35 SPRINKLERS TO ACCOMMODATE THE CONSTRUCTION OF THE NEW WALLS INDICATED BY NOTE FP2. CONTRACTOR IS TO ENSURE THE LAYOUT OF EXISTING SPRINKLERS COMPLIES TO PETSMART REQUIREMENTS OF ORDINARY HAZARD GROUP 2. INFORM ENGINEER IN WRITING IF EXISTING SYSTEM COVERAGE ISSUES ARE IDENTIFIED.
FP2	NEW FULL HEIGHT WALL UP TO DECK.
FP3	SPRINKLER SYSTEM IS EXISTING. MODIFY EXISTING SYSTEM TO ACCOMMODATE STORAGE OCCUPANCY DESIGN CRITERIA DETAILED ON DRAWING AND IN SPECIFICATION FOR THE RECEIVING AREA.

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PAGE #: 44 OF: 53

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TITLE: FIRE PROTECTION FLOOR PLAN

SHEET NUMBER: **FP1.0**

ELECTRICAL SYMBOLS LIST:

ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT.

- SINGLE RECEPTACLE: 15A HUBBELL 18" TO CENTER UNO
- SINGLE RECEPTACLE: 20A HUBBELL HBL5361W 18" TO CENTER UNO
- DUPLEX RECEPTACLE: 20A HUBBELL HBL5362W (NEMA 5-20R) 18" TO CENTER UNO, WHITE
- DUPLEX GFCI RECEPTACLE: 20A HUBBELL GFR5362SGW 18" TO CENTER UNO, WHITE
- FOURPLEX RECEPTACLE – (2) 20A DUPLEX 18" TO CENTER UNO
- FOURPLEX GFCI RECEPTACLE – (2) 20A DUPLEX 18" TO CENTER UNO
- COMPUTER RECEPTACLE AT 18" AFF TO CENTER UNO, HUBBELL #G5362 ORANGE
- COMPUTER QUADRAPLEX AT 18" AFF TO CENTER UNO, HUBBELL #G5362 ORANGE
- WEATHERPROOF COVER:
- WP — FOR SINGLE RECEPTACLES, "TAYMAC" MODEL NO. MM410C
- WP — FOR DUPLEX RECEPTACLES, "HUBBELL" MODEL NO. WP826MP (VERTICAL MOUNT NO. WP826MUP)
- SPECIAL RECEPTACLE AS NOTED ON DRAWINGS 18" TO CENTER UNO
- DATA TELEPHONE BOX & WHITE COVER PLATE AT 18" AFF TO CENTER UNO. PROVIDE ¾" CONDUIT WITH PULL STRING TO 6" A.F.C.
- JUNCTION BOX IN ACCESSIBLE LOCATION
- JUNCTION BOX MTD. IN JOIST AREA. CONDUITS CONNECTED BETWEEN SUCH BOXES SHALL BE ROUTED IN JOIST AREA
- CIRCUIT IN CONDUIT RUN BELOW SLAB
- CIRCUIT IN CONDUIT CONCEALED IN WALLS OR ABOVE CEILING
- HOMERUN TO PANELBOARD OR AS NOTED
- N — NATIONAL ACCOUNT EMS VENDOR PUSH-BUTTON OVERRIDE – FURNISHED BY NATIONAL ACCOUNT EMS VENDOR, INSTALLED & WIRED BY E.
- HORN AND SPEAKER – REFER TO EDC SYMBOLS LISTS FOR FURTHER INFORMATION, NO CONDUIT STUB NEEDED.
- DOOR BUZZER EDWARDS #1065-G5, 24V, 6 WATT, WITH LOUVERED COVER PLATE, HUBBELL METALLIC WALL PLATE #SS721 (OBTAINED FROM NATIONAL ACCOUNT VENDOR).
- DOOR HORN EDWARDS #867-AQ 24V (OBTAINED FROM NATIONAL ACCOUNT VENDOR).
- PUSH-BUTTON – EDWARDS #C59, LOW VOLTAGE (24V), 1- PHASE., 4A – AC, FLUSH MOUNTED AT 42" AFF (OBTAINED FROM NATIONAL ACCOUNT VENDOR).
- CONDUIT TURNING DOWN
- CONDUIT TURNING UP
- V — VOLUME CONTROL, BY OTHERS – PROVIDE SINGLE GANG BOX AT 42" AFF UNO & ½" CONDUIT TO CEILING SPACE
- MOTOR – SIZE AS INDICATED ON DWGS
- DISCONNECT SWITCH – SIZE AND FUSES AS PER MANUFACTURER'S RECOMMENDATIONS ('WP' WHERE OUTSIDE)
- PANELBOARD – MOUNT AT 6'-6" TO TOP

- C — DOOR CONTACT, SEE DETAIL 2/E2.1
- TMB — ¾" PLYWOOD TELEPHONE MOUNTING BOARD WITH #6 CU. GROUND AND DEDICATED DUPLEX CONV. RECEPTACLES AS SHOWN ON PLANS. FURNISH IN ACCORDANCE WITH TELCO REQUIREMENTS. SIZE AS NOTED
- WP — WEATHERPROOF (RAIN TIGHT)
- SES — SERVICE ENTRANCE SECTION
- EC — ELECTRICAL CONTRACTOR
- EWC — ELECTRIC WATER COOLER
- UNO — UNLESS NOTED OTHERWISE
- C — CONDUIT
- EF — EXHAUST FAN – 120V, UNLESS OTHERWISE NOTED
- GFCI — GROUND FAULT CIRCUIT INTERRUPTER
- IG — ISOLATED GROUND
- SACP — SPRINKLER ALARM CONTROL PANEL
- MCB — MAIN CIRCUIT BREAKER
- MLO — MAIN LUGS ONLY
- S — SENSOR – SEE MECHANICAL & ELECTRICAL SHEETS FOR EXACT LOCATIONS. SENSORS (GENERAL) AT 60" AFF UNO.
- H — COMBINATION TEMPERATURE / HUMIDITY SENSOR – SEE MECHANICAL PLANS. SENSORS (GENERAL) AT 60" AFF UNO.
- T — ADJUSTABLE THERMOSTAT – SEE MECHANICAL PLAN FOR EXACT LOCATIONS. SENSORS (GENERAL) AT 42" AFF TO CENTER, UNO.
- E — EMS MONITORING SENSOR – SEE MECHANICAL PLANS. SENSORS (GENERAL) AT 60" AFF UNO
- ST / NS — NATIONAL ACCOUNT EMS VENDOR SENSOR AND SPACE TEMPERATURE SENSOR (TIED TO NATIONAL ACCOUNT EMS VENDOR PANEL AND SHOWN FOR COORDINATION ON E2.0)
- AFC — ABOVE FINISH CEILING
- FIRE ALARM PULL STATION MOUNTED @47" AFF TO TOP OF DEVICE.
- FIRE ALARM COMBO HORN/STROBE
- C — FIRE ALARM COMBO HORN/STROBE (CEILING MOUNTED)
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- DSD — DUCT SMOKE DETECTOR
- LED ELECTRONIC DRIVER/TRANSFORMER
- EMERGENCY CALL SYSTEM
- EMERGENCY PUSHBUTTONS @42" AFF
- BARRIER-FREE DOOR PUSHBUTTONS @42" AFF
- RDSTI — REMOTE DUCT SMOKE TEST STATION
- EX — CEILING MOUNTED FIRE ALARM STROBE LIGHT IN BARRIER-FREE WASHROOM

ELECTRICAL GENERAL NOTES:

1. ALL LED AND/OR FLUORESCENT LAMPS NOT INCLUDED WITH FIXTURES ARE FURNISHED BY THE GENERAL CONTRACTOR THROUGH THE NATIONAL ACCOUNT VENDOR.
2. PROVIDE FIXTURE SAFETY CHAINS WHERE REQUIRED.
3. ALL LAY-IN FIXTURES SHALL BE FURNISHED WITH "FIXTURE SUPPORT CLIPS" PER O.E.S.C. #30-302.
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 BARRIER-FREE 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 SALES AND RECEIVING. RUNS SHALL BE GROUPED TOGETHER WHERE PRACTICAL & HOLD AS HIGH AS POSSIBLE AND SUSPEND TIGHT TO THE TOP CORD OF JOIST.
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 PETSMART 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 CANADIAN ELECTRICAL CODE.
11. GENERAL CONTRACTORS SHALL CONTACT THE NATIONAL ACCOUNT VENDOR FOR ACCOUNT 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 "EM" SHEETS 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 SIKA, SIKAFLEX 1A POLYURETHANE SEALANT.
17. ALL NIGHT LIGHT FIXTURES ARE TO BE UNSWITCHED.
18. SEE SHEET E0.1 FOR SINGLE LINE DIAGRAM KEYED NOTES.
19. PROVIDE CONDUIT FOR LOW VOLTAGE WIRING WHEN REQUIRED BY CODE. TERMINATE PHONE & DATA WIRING AT PETSMART SERVER LOCATION.
20. BURGLAR 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 SUPPLIER SHOP DRAWINGS. ALL CEILING MOUNTED ALARM & INTRUSION DEVICES WILL REQUIRE A BACK BOX PROVIDED BY THE EC. ANY QUESTIONS, CONTACT NATIONAL ACCOUNT BURGLAR ALARM VENDOR, SEE ARCHITECTURAL DRAWING F2.0 PRODUCT SCHEDULE.
21. LED CIRCUIT: EACH CIRCUIT FOR LED LIGHTING SHALL HAVE A DEDICATED NEUTRAL. LED DRIVERS WILL FAIL IF NEUTRALS ARE SHARED.
22. EC IS RESPONSIBLE TO OBTAIN QUOTES FROM NATIONAL ACCOUNT VENDORS (GRAYBAR ELECTRIC AND NATIONAL ACCOUNT EMS VENDOR CONTROLS).

LIGHTING SYMBOLS:

ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT.

- 4½"W x 4'/8'L LED LIGHT
- 4½"W x 4'/8'L LED NIGHT LIGHT
- 2'x2' LED LIGHT
- 2'x2' NIGHT LED LIGHT
- 2"W x 4'L WALL MOUNTED LED LIGHT
- RECESSED LED DOWN LIGHT.
- EXTERIOR WALL MOUNTED FIXTURE.
- EXIT SIGNS
- WALL MOUNTED BATTERY PACK
- CEILING MOUNT, 1 OR 2 HEAD EMERGENCY FIXTURE.
  - CEILING MOUNT TO STRUCTURE (U/S JOISTS) IN SALES AND RECEIVING AREAS OR T-BAR CEILING.
  - WALL MOUNTED ONLY WHERE NOTED 'WM'
- $ — SINGLE POLE TOGGLE SWITCH MOUNTED AT 42" A.F.F. TO CENTER, UNO. HUBBELL #1221W, 20A, 120/347V.
- $D — SINGLE POLE DIMMER SWITCH, LEVITON #ZS057-DOZ, 0-10V DIMMER MOUNTED AT 42" A.F.F. TO CENTER, UNO.
- $3 — THREE WAY TOGGLE SWITCH MOUNTED AT 42" A.F.F. TO CENTER, UNO. HUBBELL #1223W, 20A, 120/347V
- M — CEILING MOTION SENSOR – 'SENSOR SWITCH' MODEL #CMR-PDT9-W, LINE VOLTAGE.

WALL DEVICES AND COVERPLATE FINISHES:

ALL WALL DEVICES (RECEPTACLES, SWITCHES, DATA OUTLETS ETC.) AND COVERPLATES ARE TO BE WHITE, EXCEPT:

- RECEIVING – ROOM 117, MECHANICAL ROOMS AND SIMILAR AREAS WITH EXPOSED CONDUIT TO HAVE GALVANIZED STEEL COVERPLATES PAINTED TO MATCH ADJACENT SURFACE.
- I.G. RECEPTACLES TO BE ORANGE

FIRE ALARM CRITERIA:

1. BUILDING FIRE ALARM SYSTEM IS NEW AND IS TO BE PROVIDED AND INSTALL BY THIS ELECTRICAL CONTRACTOR.
2. ELECTRICAL CONTRACTOR IS TO PROVIDE ALL DEVICES SHOWN FOR A COMPLETE SYSTEM.
3. ALL MATERIAL AND LABOUR FOR LOW VOLTAGE SYSTEMS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRICAL POWER AND ANY CONDUIT SHOWN ON THE ELECTRICAL DRAWINGS FOR FIRE ALARM EQUIPMENT. SMOKE DETECTORS IN RTU AIR DUCTS SHALL BE PROVIDED IN RTU'S AS SHOWN AND AS REQUIRED BY CODE (RTU REQUIRED VENDOR).
4. FIRE ALARM SYSTEM DESIGN SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL REQUIREMENTS.
5. FIRE ALARM SYSTEM SHALL INCLUDE, AS A MINIMUM, MANUAL PULL STATIONS AT ALL EGRESS DOORS, SMOKE DETECTORS IN RTU'S AS INDICATED AND SIGNALING DEVICES AS SHOWN.
6. GENERAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL ITEMS REQUIRED FOR A COMPLETE FIRE ALARM SYSTEM.
7. FIRE ALARM SYSTEM DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH CAN/ULC-S524 AND SHALL BE VERIFIED IN ACCORDANCE WITH CAN/ULC-S537.
8. NATIONAL BURGLAR/FIRE VENDOR SHALL BE CONTACTED TO PROVIDE FINAL MONITORING AND HARDWARE CONNECTIONS. CELLULAR DIALER WILL NEED TO BE INCLUDED IN PACKAGE. IF MONITORING IS DONE BY THE BUILDING LANDLORD, NATIONAL ACCOUNT VENDOR IS STILL TO BE CONTACTED FOR REQUIRED ADDITIONAL TIE-IN/MODULE FOR PETSMART NATIONAL ACCOUNT EMS VENDOR SYSTEM.
9. WHERE FIRE PROTECTION AND LIFE SAFETY SYSTEMS AND SYSTEMS WITH FIRE PROTECTION AND LIFE SAFETY FUNCTIONS ARE INTEGRATED WITH EACH OTHER, THE SYSTEMS SHALL BE TESTED AS A WHOLE IN ACCORDANCE WITH CAN/ULC-S1001 "INTEGRATED SYSTEMS TESTING FOR FIRE PROTECTION AND LIFE SAFETY SYSTEMS", TO VERIFY THAT THE SYSTEMS HAVE BEEN PROPERLY INTEGRATED.

GENERAL UTILITIES NOTES:

1. TEMPORARY POWER TO BE SUPPLIED AND PAID FOR BY THIS CONTRACTOR.
2. THIS CONTRACTOR IS TO PAY FOR ALL UTILITIES USED IN THEIR SCOPE OF WORK.
3. PROVIDE TEMPORARY 600V POWER FOR FLOOR POLISHER, AND IF REQUIRED 208V TO 600V STEP-UP TRANSFORMER.

MAIN ELECTRICAL INTEGRATED POWER CENTER (IPC):

GENERAL NOTES & CRITICAL DESIGN REQUIREMENTS

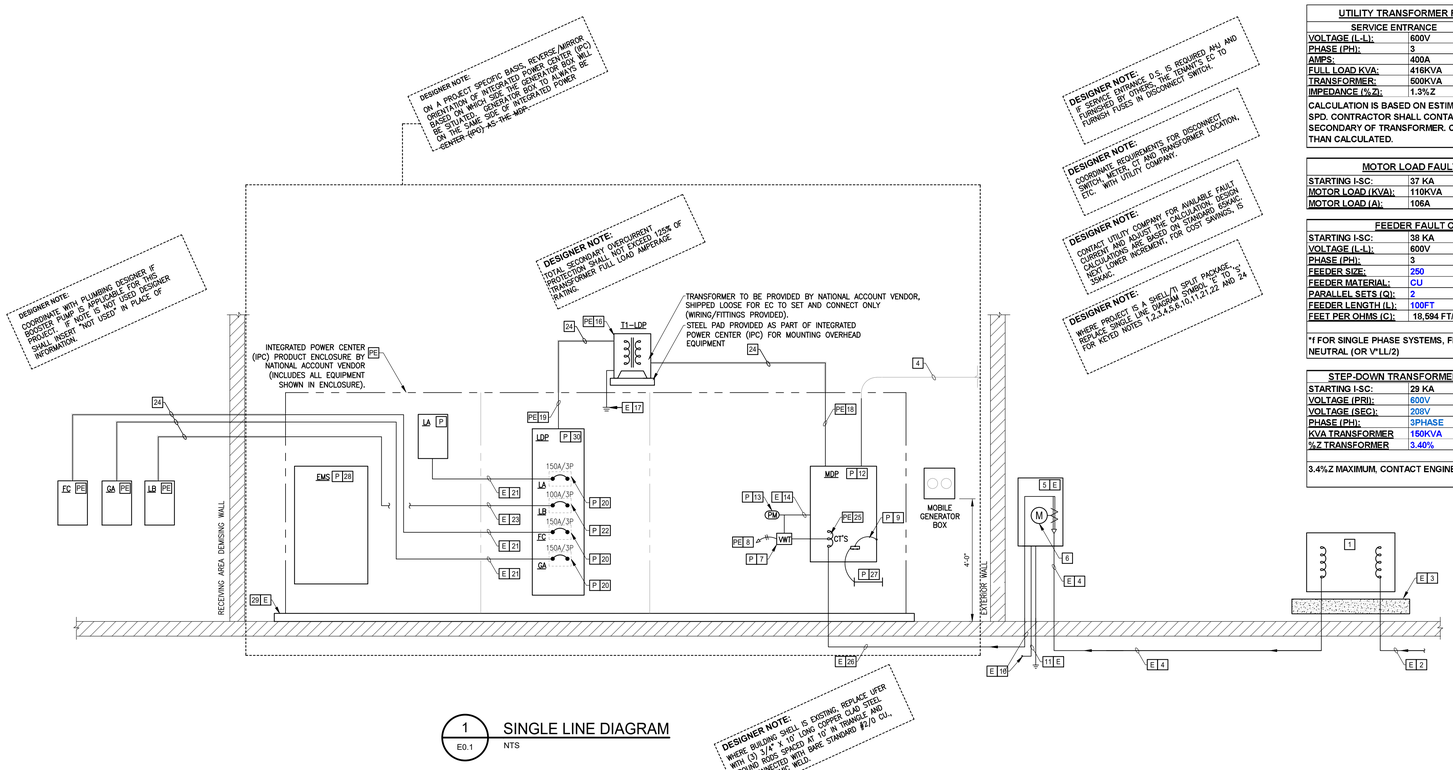
1. THE INTEGRATED POWER CENTER (IPC) SHALL BE DELIVERED AS A SINGLE UNIT WITH NO SHIPPING SPLITS. THIS INSURES THAT ALL INTERNAL CONDUCTORS ARE TERMINATED PROPERLY AND NO EXTRA FIELD LABOUR IS REQUIRED TO RECONNECT CABINET SECTIONS OR TO RECONNECT COILED UP CONDUCTORS.
2. PROVIDE A MAXIMUM OF 9'-0" PRODUCT WIDTH TO MEET THE FOOTPRINT REQUIREMENTS (INCLUDES O.E.S.C. CODE CLEARANCE).
3. TOP LIFT PROVISIONS FOR EASE OF LIFTING AND SETTING INTEGRATED POWER CENTER (IPC) PRODUCT AGAINST BUILDING WALL. THE ESTIMATED PRODUCT WEIGHT IS 1800 LBS.
4. INTEGRATED POWER CENTER (IPC) PRODUCT WILL BE DELIVERED WITH THE TRANSFORMER LOOSE.
5. ELECTRICAL CONTRACTOR (EC) SHALL BE RESPONSIBLE FOR THE PURCHASE OF NATIONAL ACCOUNT VENDOR'S INTEGRATED POWER CENTER (IPC) PRODUCT AND LOOSE PANELS INDICATED. EC SHALL PROVIDE PURCHASE ORDER TO NATIONAL ACCOUNT VENDOR TO GUARANTEE A MANUFACTURING SLOT IN THE SCHEDULE TO MEET REQUESTED DELIVER DATE. CONTACT NATIONAL ACCOUNT VENDORS FOR PURCHASING, DELIVERY AND PRODUCT COORDINATION REQUIREMENTS. SEE SHEET F2.0 FOR NATIONAL ACCOUNT VENDORS CONTACT INFORMATION NOTE: CONTACT NATIONAL ACCOUNT VENDOR 2 WEEKS PRIOR TO DELIVERY TO CONFIRM DELIVERY AND OBTAIN SITE SPECIFIC PRODUCT DRAWINGS (FINAL EQUIPMENT LOCATIONS/STUB-UP COORDINATION).
6. EC RESPONSIBLE TO RE-TORQUE ALL PRE-WIRED FEEDER/BRANCH CIRCUIT TERMINATIONS UPON DELIVERY OF INTEGRATED POWER CENTER (IPC) PRODUCT.
7. EC RESPONSIBLE FOR OFF LOADING AND SETTING PREFABRICATED INTEGRATED POWER CENTER (IPC) PRODUCT WHEN IT ARRIVES ON SITE. REFER TO INTEGRATED POWER CENTER (IPC) – CRITICAL DESIGN REQUIREMENTS (NOTES 2 & 3) FOR ADDITIONAL INFORMATION.
8. EC IS RESPONSIBLE TO OBTAIN QUOTES FROM NATIONAL ACCOUNT VENDORS.
9. EC IS RESPONSIBLE TO GIVE NATIONAL ACCOUNT VENDOR A 6 WEEKS WRITTEN REQUEST OF THE REQUIRED ON-SITE DATE. USE CONTACT INFORMATION FURNISHED IN #1 ABOVE.
10. EC TO CONTACT NATIONAL ACCOUNT VENDOR TO OBTAIN SITE SPECIFIC DRAWINGS. DRAWINGS IN PLANS ARE FOR ESTIMATING PURPOSES ONLY. NATIONAL ACCOUNT VENDOR WILL PROVIDE A SET OF "AS-BUILT" DRAWINGS TO THE SUCCESSFUL EC, SO ACCURATE ROUGH-IN COORDINATION CAN BE COMPLETED.
11. EC IS RESPONSIBLE TO DETERMINE IF AN EXTERIOR MEANS OF DISCONNECT IS REQUIRED. IF SO, PLEASE REFER TO THE OPTIONS SECTION IN THE NATIONAL ACCOUNT VENDOR PROPOSAL TO CHOOSE THE PRICE ADDER FOR A SHUNT TRIP OR FUSIBLE DISCONNECT.

SINGLE LINE DIAGRAM SYMBOLS LEGEND:

- P — PROVIDED BY NATIONAL ACCOUNT VENDOR WITHIN INTEGRATED POWER CENTER (IPC) PRODUCT WITH EQUIPMENT INSTALLED AND FACTORY WIRED. NOTE: EC SHALL WALL MOUNT AND RE-TORQUE ALL CONNECTIONS.
- E — PROVIDED BY EC.
- PE — FURNISHED BY NATIONAL ACCOUNT VENDOR, INSTALLED BY EC.
- EX — EXISTING TO REMAIN.
- S — INSTALLED UNDER SHELL PORTION OF CONTRACT BY LANDLORD'S ELECTRICAL CONTRACTOR.

SINGLE LINE DIAGRAM KEY NOTES:

1. SERVICE: UTILITY COMPANY PADMOUNT TRANSFORMER. VERIFY AVAILABLE FAULT CURRENT WITH UTILITY COMPANY.
2. PRIMARY SERVICE: CONDUIT SIZE PER UTILITY COMPANY PRIMARY FEED. COORDINATE ROUTING AND REQUIREMENTS WITH UTILITY COMPANY PRIOR TO BID.
3. TRANSFORMER PAD: 6" MINIMUM CONCRETE. VERIFY EXACT REQUIREMENTS WITH UTILITY COMPANY PRIOR TO BID.
4. 400A SERVICE FEEDER: 2 RUNS OF 4 #350MCM RWU90 FOR UNDERGROUND SERVICE IN 4"C. VERIFY FEEDER REQUIREMENTS WITH UTILITY COMPANY PRIOR TO BID.
5. C/T CABINET: EXTERIOR C/T CABINET (PROVIDE PER UTILITY COMPANY REQUIREMENTS).
6. UTILITY METER: UTILITY COMPANY METER. COORDINATE WITH UTILITY COMPANY.
7. ENERGY MONITORING METER: VERIS WATT TRANSDUCER & PHASE LOSS MONITOR KW PULSE METER PROVIDED, INSTALLED, & WIRED BY NATIONAL ACCOUNT VENDOR IN INTEGRATED POWER CENTER (IPC) ENCLOSURE.
8. E.M.S. CONTROLLER: TO (E.M.S.) CONTROLLER. CONTRACTOR TO COORDINATE REQUIREMENTS WITH NATIONAL ACCOUNTS VENDOR.
9. MAIN BONDING JUMPER: PROVIDE #2/0 CU.
10. GROUND BOND: PROVIDE #2/0 CU., BOND TO COLD WATER MAIN AND BUILDING STEEL, EXTEND SYSTEM GROUND TO SPRINKLER.
11. GROUND ROD: PROVIDE (20') – #1/0 CU GROUNDING ELECTRODE (20' IN CONCRETE FOOTING) PER LOCAL CODE.
12. MDP: SEE MDP SCHEDULE ON E0.2.
13. PHASE LOSS MONITOR: PROVIDED BY NATIONAL ACCOUNT VENDOR – INSTALLED WITHIN THE PREFABRICATED INTEGRATED POWER CENTER (IPC) PRODUCT. (1) 2 CONDUCTOR 18 GA. TO SAVVY CONTROLLER.
14. PHASE LOSS FEEDER: 3x #12 RW90 CU IN ¾"C. SEE SHEET EM2 FOR CONNECTION REQUIREMENT. CONDUCTOR LENGTH SHALL BE 12' MINIMUM..
15. NOT USED.
16. DISTRIBUTION TRANSFORMER 'T1-LDP': 150kVA XFMR., PRI.: 600V DELTA, SEC.: 120/208V WYE, 150° C RISE. PROVIDE TP-1 ENERGY EFFICIENT TYPE TRANSFORMER.
17. TRANSFORMER GROUND: #1/0 CU. GROUND TO BUILDING STEEL
18. TRANSFORMER FEEDER: 3x #3/0 RW90 CU., (1) #6 CU. GROUND IN 2½"C.
19. 'LDP' FEEDER: PARALLEL RUNS: 2x (4#350MCM + GND IN 4"C).
20. 150A/3P CIRCUIT BREAKER: 208V, 3Ø, 14kAIC CIRCUIT BREAKER FOR SERVICE TO REMOTE (LOOSE) PANEL AS INDICATED.
21. 150A CIRCUIT BREAKER SECONDARY FEEDER: SECONDARY FEEDER SHALL BE 4 x #2/0 RW90 CU., (1) #6 CU. GROUND & (1) #6 CU. ISOLATED GROUND (IN 2½"C OUTSIDE OF INTEGRATED POWER CENTER (IPC) ENCLOSURE).
22. 100A/3P CIRCUIT BREAKER: 208V, 3Ø, 14kAIC CIRCUIT BREAKER FOR SERVICE TO REMOTE (LOOSE) PANEL AS INDICATED.
23. 100A CIRCUIT BREAKER SECONDARY FEEDER: SECONDARY FEEDER SHALL BE 4x #1/0 RW90 CU, (1) #8 CU GROUND, (1) #8 ISOLATED GROUND (IN 2½"C. OUTSIDE OF INTEGRATED POWER CENTER (IPC) ENCLOSURE).
24. CONDUCTORS IN CONDUIT (TYPICAL).
25. ROUTE SERVICE FEEDERS THRU CT'S FOR VERIS WATT TRANSDUCER PULSE METER READINGS.
26. 400A SERVICE FEEDER WITH GROUND: 2 RUNS OF #350MCM RWU90 FOR UNDERGROUND SERVICE IN 4"C.
27. ISOLATED GROUND: TERMINATE CONDUCTORS ON INTEGRATED POWER CENTER (IPC) GROUND BUS
28. EMS: NATIONAL ACCOUNT VENDOR CONTROL EQUIPMENT FURNISHED, INSTALLED AND WIRED BY NATIONAL ACCOUNT VENDOR INTERNAL TO INTEGRATED POWER CENTER (IPC) PRODUCT. EQUIPMENT TO INCLUDE: OPUS, LTG. CONTACTORS, CONTROL POWER TRANSFORMERS, RELAYS/BASES & COMPUTER SHELF. REFER TO ENERGY MANAGEMENT DRAWINGS EM1, EM2, & E2.2 FOR ADDITIONAL INFORMATION.
29. 4" CONCRETE HOUSEKEEPING PAD FOR NATIONAL ACCOUNT VENDOR INTEGRATED POWER CENTER (IPC)
30. PANEL LDP: 120/208V, 3Ø, 4W, 600A RATED, 54 CIRCUITS, NO MAIN BREAKER REQUIRED.



1 / E0.1 SINGLE LINE DIAGRAM
NTS

UTILITY TRANSFORMER FAULT CALCULATION	2021 14K Proto -Load.xlsm	
SERVICE ENTRANCE		CALCULATION
VOLTAGE (L-L):	600V	I-FLA=[RATED KVA * 1000]/
PHASE (PH):	3	[V-LL*SQRT(PHASE)]
AMPS:	400A	I-FLA= 481A
FULL LOAD KVA:	416KVA	
TRANSFORMER:	500KVA	M=100/%Z= 76.9
IMPEDANCE (%Z):	1.3%Z	I-SC=I-FLA*M= 37 KA

CALCULATION IS BASED ON ESTIMATED TRANSFORMER SIZE WITH %Z FROM BUSSMANN SPD. CONTRACTOR SHALL CONTACT UTILITY AND VERIFY I-SC AVAILABLE AT SECONDARY OF TRANSFORMER. CONTACT ENGINEER FOR RE-CALCULATION IF LARGER THAN CALCULATED.

MOTOR LOAD FAULT CALCULATION	2021 14K Proto -Load.xlsm	
STARTING I-SC:	37 KA	CALCULATION
MOTOR LOAD (KVA):	110KVA	I-SC(ML)=I-ML*6= 636A
MOTOR LOAD (A):	106A	I-SC=I-SC+I-SC(ML)= 38 KA

FEEDER FAULT CALCULATION	2021 14K Proto -Load.xlsm	
STARTING I-SC:	38 KA	
VOLTAGE (L-L):	600V	IMPEDANCE BASED ON 3 SINGLE CONDUCTORS
PHASE (PH):	3	IN NON-MAGNETIC CONDUIT
FEEDER SIZE:	250	CALCULATION
FEEDER MATERIAL:	CU	*f=[SQRT(PHASE)*L*IS-C]/
PARALLEL SETS (Q):	2	[Q*C*V-LL]
FEEDER LENGTH (L):	100FT	f= 0.292
FEET PER OHMS (C):	18,594 FT/OHMS	M=1/(1+f)= 0.774
		I-SC=I-SC*M= 29 KA

*f FOR SINGLE PHASE SYSTEMS, FEEDER LENGTH IS DOUBLED AND VOLTAGE IS LINE-NEUTRAL (OR V*LL/2)

STEP-DOWN TRANSFORMER FAULT CALCULATION	2021 14K Proto -Load.xlsm	
STARTING I-SC:	29 KA	CALCULATION
VOLTAGE (PRI):	600V	f=[I-SC(PRI)*V-PRI*SQRT(PHASE)*Z]/
VOLTAGE (SEC):	208V	[KVA * 1000]
PHASE (PH):	3PHASE	f= 6.862
KVA TRANSFORMER	150KVA	M=1/(1+f)= 0.127
%Z TRANSFORMER	3.40%	I-SC=V-PRI/V-SEC*I-SC*M=
		I-SC= 10.7KA

3.4%Z MAXIMUM, CONTACT ENGINEER FOR RECALCULATION IF LESS.

MINIMUM WIRE AND CONDUIT SIZES:

FOR CIRCUIT BREAKERS AND FUSES

AMPS	FEEDER SIZE	GROUND	CONDUIT
15	#12	#12	¾"
20	#12	#12	¾"
25	#10	#10	¾"
30	#10	#10	¾"
35	#8	#10	¾"
40	#8	#10	¾"
45	#8	#10	¾"
50	#8	#10	¾"
60	#6	#10	1"
70	#4	#8	1"
80	#4	#8	1"
90	#3	#8	1¼"
100	#3	#8	1¼"

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.
- HOME RUNS OF 75' OR GREATER TO BE MIN. #10.

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:
DESIGNER NOTE: CONTACT UTILITY COMPANY FOR AVAILABLE FAULT CURRENT AND ASSUS. THE CALCULATIONS ARE BASED ON STANDARD DESIGN NEXT LOWER INCREMENT FOR COST SAVINGS IS 35K A.I.C.

CITY SEAL:
DESIGNER NOTE: WHERE BUILDING SHELL IS EXISTING, REPLACE UFER WITH (3) 3/4" x 10' GROUND RODS SPACED AT 10' IN TRIANGLE AND INTERCONNECTED WITH BARE STANDARD #2/0 CU. 99% EXOTHERMIC WELD.

DISCLAIMER: COPYRIGHT:
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.
THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: C40045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 45 OF: 53
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE. 1"

DISCIPLINE: ELECTRICAL

TITLE: NOTES, SYMBOLS LEGEND AND SINGLE LINE DIAGRAM

SHEET NUMBER: **E0.1**

MOUNT: FLUSH | 120/208 | 3-PHASE, 4W | PANEL: LB | CAPACITY: 125A | INT CAP: 14KA
LOCATION: MANAGER/VAULT RM. 104 | LUGS: MLO | DEMAND LOAD: 46A | AV. FAULT: 10.7KA

NOTES	CKT	LTG	REC	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	NP	CKT	NOTES
G	1		0.40				RTU RECEPT. (GFI/WP)	20	1	A	15	1	EXHAUST FAN EF-1 (.07 BHP)			0.85			2	C
	3		1.10				NATURAL FREEZER	20	1	B	20	1	CHECKSTAND I.G. RECEPT.		0.54				4	L
	5		1.10				NATURAL FREEZER	20	1	C	20	1	CHECKSTAND I.G. RECEPT.		0.54				6	L
	7		1.10				NATURAL FREEZER	20	1	A	20	1	CHECKSTAND I.G. RECEPT.		0.54				8	L
	9		1.10				NATURAL FREEZER	20	1	B	20	1	REC CASH WRAP		0.54				10	
	11		1.10				NATURALCOOLER	20	1	C	20	1	SPARE						12	
	13		1.10				NATURALCOOLER	20	1	A	20	1	TAG MACHINE		0.54				14	
	15						SPARE	20	1	B	20	1	BIRD DETERRENT		0.50				16	
	17		0.54				FRONT P.O.S. RECEPT.	20	1	C	20	1	MUSAK SYSTEM		0.40				18	L
	19		0.54				BOPIS UNIT - FRONT CASH	20	1	A	20	1	COPY/EQUIP I.G. SERVER RACK		0.54				20	L
	21						SPARE	20	1	B	20	1	COPY/EQUIP. I.G. RECEPT.		0.54				22	
	23		0.54				BOPIS CLOSET RECEPT.	20	1	C	20	1	COPY/EQUIP. RECEPT.		0.54				24	
	25						SPARE	20	1	A	20	1	MANAGERS OFFICE I.G. RECEPT.		0.54				26	
	27						SPARE	20	1	B	20	1	MANAGERS OFFICE RECEPT.		0.54				28	
	29						SPARE	20	1	C	20	1	SPARE						30	
	31						SPARE	20	1	A	20	1	SPARE						32	
	33						SPARE	20	1	B	20	1	SPARE						34	
	35		0.60				POWER DROP #7 - FRONT POS	20	1	C	20	1	COLUMN RECEPT. - SALES		0.54				36	
	37						SPARE	20	1	A	20	1	SPARE						38	
	39				1.30		AUTO DOOR	20	1	B	20	1	FIRE ALARM (PAINT RED)				0.85		40	L/*
L	41				0.35		FRONT SECURITY RECEPT.	20	1	C	20	1	EXTERIOR RECEPT.		0.72				42	G

PHASE BALANCE			LOAD TYPE	CONNECTED	DEMAND	DEMAND FORMULA	TOTAL LOAD	
			LIGHTING	0.0 KVA	0.0 KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED	DEMAND
Φ	LOAD	%	RECEPTACLE	16.8 KVA	13.4 KVA	10KVA + 50% REMAINDER NEC 220.44	20.1 KVA	16.6KVA
A	6.2 KVA	31%	HVAC	0.9 KVA	0.7 KVA	LOAD X 80% (USED MCA IN CALCULATION)	55.9A	46.0A
B	7.0 KVA	35%	MISC	2.5 KVA	2.5 KVA	LOAD X 100% NEC 210.19 NON-CONT.	FILENAME:	
C	7.0 KVA	35%	NP	0.0 KVA	0.0 KVA	0 NONCOINCIDENTAL LOADS NEC 220.60	PS 14K_CS_2025_Plumbing	

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. PROVIDE WITH ISOLATED GROUND BUS

MOUNT: FLUSH | 120/208 | 3-PHASE, 4W | PANEL: FC | CAPACITY: 225A | INT CAP: 14KA
LOCATION: HOLDING ROOM 122 | LUGS: MLO | DEMAND LOAD: 57A | AV. FAULT: 10.7KA

NOTES	CKT	LTG	REC	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	NP	CKT	NOTES
G	1		0.54				REC FISH FREP	20	1	A	15	1	EXHAUST FAN EF-3 (.20 BHP)			0.87			2	C
	3				0.80		POWER DROP #5 - SM. ANIMAL	20	1	B	20	1	POWER DROP #2 - LG. AQUA.				0.80		4	
	5					1.50	EUH-1	20	2	C	20	1	POWER DROP #1 - BETTA				0.80		6	
	7					1.50				A	20	1	POWER DROP #3 - SHO3				0.80		8	
	9					1.50	EUH-2	20	2	B	20	1	POWER DROP #4 - REP. FEED.				0.80		10	
	11					1.50				C	20	1	POWER DROP #3 - PLANT				0.80		12	
	13				0.80		POWER DROP #4 - REPTILE	20	1	A	20	1	POWER DROP #2 - LG. AQUA.				0.80		14	
G	15		0.54				FISH AREA FREEZER	20	1	B	20	1	ASSOC. RES. - VENDING		1.00				16	
	17				0.80		POWER DROP #6 - BIRD	20	1	C	20	1	ASSOC. RES. - VENDING		1.00				18	
	19			0.40			MORORIZED DAMPER #1 & #2	20	1	A	20	1	ASSOC. RES. - FRIDGE		0.57				20	G
G	21		0.72				HOLDING RM. #1 GFI RECEPT.	20	1	B	20	1	ASSOC. RES. - COUNT. RECEPT.		0.54				22	G
G	23		0.72				HOLDING RM. #2 GFI RECEPT.	20	1	C	20	1	ASSOC. RES. - MICROWAVE		1.30				24	
G	25		0.40				RECEPT. FISH EQUIP.	20	1	A	20	1	ASSOC. RES. RECEPT.		0.30				26	
G	27		0.54				FISH PREP- FRIDGE	20	1	B	20	1	SPARE						28	
G	29		0.54				TURTLE TANK RECEPT.	20	1	C	20	1	FISH FILTRATION RECEPT.		0.54				30	G
G	31		0.54				ADOPTIONS GFI RECEPT.	20	1	A	20	1	FISH FILTRATION RECEPT.		0.54				32	G
	33		0.54				RECEPT. - ADOPTIONS	20	1	B	20	1	FISH FILTRATION RECEPT.		0.54				34	G
	35						SPARE	20	1	C	20	1	FISH FILTRATION RECEPT.		0.54				36	G
	37						SPARE	20	1	A	20	1	FISH FILTRATION RECEPT.		0.54				38	G
G	39		0.40				RTU RECEPT. (GFI/WP)	20	1	B	20	1	FISH FILTRATION RECEPT.		0.54				40	G
	41		0.54				COLUMN RECEPT. - SALES	20	1	C	20	1	FISH FILTRATION RECEPT.		0.54				42	G

PHASE BALANCE			LOAD TYPE	CONNECTED	DEMAND	DEMAND FORMULA	TOTAL LOAD	
			LIGHTING	0.0 KVA	0.0 KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED	DEMAND
Φ	LOAD	%	RECEPTACLE	14.5 KVA	12.3 KVA	10KVA + 50% REMAINDER NEC 220.44	29.0 KVA	20.5KVA
A	8.6 KVA	30%	HVAC	1.3 KVA	1.0 KVA	LOAD X 80% (USED MCA IN CALCULATION)	80.4A	56.8A
B	9.3 KVA	32%	MISC	7.2 KVA	7.2 KVA	LOAD X 100% NEC 210.19 NON-CONT.	FILENAME:	
C	11.1 KVA	38%	NP	6.0 KVA	0.0 KVA	0 NONCOINCIDENTAL LOADS NEC 220.60	PS 14K_CS_2025_Plumbing	

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. PROVIDE WITH ISOLATED GROUND BUS

MOUNT: FLUSH | 120/208 | 3-PHASE, 4W | PANEL: GA | CAPACITY: 225A | INT CAP: 14KA
LOCATION: DRYING AREA 115 | LUGS: MLO | DEMAND LOAD: 45A | AV. FAULT: 10.7KA

NOTES	CKT	LTG	REC	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	NP	CKT	NOTES
G	1		1.26				DRYER RECEPT.	15	1	A	20	1	SALON RECEPT.		0.84				2	G
G	3		1.26				DRYER RECEPT.	15	1	B	20	1	SALON RECEPT.		0.84				4	G
G	5		1.26				DRYER RECEPT.	15	1	C	20	1	SALON RECEPT.		0.84				6	G
G	7		1.26				DRYER RECEPT.	15	1	A	20	1	SALON RECEPT.		0.84				8	G
G	9		1.26				DRYER RECEPT.	15	1	B	20	1	SPARE						10	
G	11						SPARE	20	1	C	20	1	SPARE						12	
	13		0.36				BUZZER	20	1	A	20	1	SPARE						14	
G	15		1.26				MOBILE DRYER RECEPT.	20	1	B	20	1	MOBILE DRYER RECEPT.		1.26				16	G
	17						SPARE	20	1	C	20	1	SPARE						18	
G	19		1.26				MASTER BLASTER RECEPT.	30	1	A	20	1	SPARE						20	
G	21		1.26				MASTER BLASTER RECEPT.	30	1	B	20	1	SALON CHECK-IN I.G. RECEPT.		0.54				22	L
	23						SPARE	20	1	C	20	1	SALON CHECK-IN I.G. RECEPT.		0.54				24	L
	25						SPARE	20	1	A	20	1	SALON CHECK-IN I.G. RECEPT.		0.54				26	L
	27						SPARE	20	1	B	20	1	SALON CHECK-IN RECEPT.		0.54				28	
	29						SPARE	20	1	C	20	1	SALON CHECK-IN RECEPT.		0.54				30	
	31						SPARE	20	1	A	20	1	SPARE						32	
	33						SPARE	20	1	B	20	1	HALLWAY RECEPT.		0.30				34	
	35						SPARE	20	1	C	15	1	WASH. DOOR OPER. & CALL SYS.				1.10		36	
	37						SPARE	20	1	A	20	1	WASHROOM GFI RECEPT.		0.85				38	G
G	39		0.40				RTU RECEPT. (GFI/WP)	20	1	B	20	1	DRINKING FOUNTAIN: EWC-1		0.85				40	G
	41						SPARE	20	1	C	20	1	SPARE						42	

PHASE BALANCE			LOAD TYPE	CONNECTED	DEMAND	DEMAND FORMULA	TOTAL LOAD	
			LIGHTING	0.0 KVA	0.0 KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED	DEMAND
Φ	LOAD	%	RECEPTACLE	20.2 KVA	15.1 KVA	10KVA + 50% REMAINDER NEC 220.44	21.3 KVA	16.2KVA
A	7.2 KVA	34%	HVAC	0.0 KVA	0.0 KVA	LOAD X 80% (USED MCA IN CALCULATION)	59.0A	44.9A
B	9.8 KVA	46%	MISC	1.1 KVA	1.1 KVA	LOAD X 100% NEC 210.19 NON-CONT.	FILENAME:	
C	4.3 KVA	20%	NP	0.0 KVA	0.0 KVA	0 NONCOINCIDENTAL LOADS NEC 220.60	PS 14K_CS_2025_Plumbing	

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. PROVIDE WITH ISOLATED GROUND BUS

MOUNT: PWRPLUS | 120/208 | 3-PHASE, 4W | PANEL: LA | CAPACITY: 225A | INT CAP: 14KA
LOCATION: RECEIVING AREA 117 | LUGS: MLO | DEMAND LOAD: 100A | AV. FAULT: 10.7KA

NOTES	CKT	LTG	REC	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	NP	CKT	NOTES
C	1		0.85				AQUARIUM	20	1	A	20	1	SPRINKLER ALARM				0.35		2	L
C	3			0.87			EXHAUST FAN EF-4 (.06 BHP)	15	1	B	20	1	EXHAUST FAN EF-2 (.46 BHP)			1.10			4	C
	5						SPARE	20	1	C	20	1	SPRINKLER BELL RISER				0.35		6	L
	7						SPARE	20	1	A	20	1	SPARE						8	
	9						SPARE	20	1	B	20	1	RECIRC. PUMP RP-1				0.85		10	
	11						SPARE	20	1	C	20	1	SCRUBBER		0.85				12	G
C/G	13	0.80					SPECIALTY AREA LIGHTING	20	1	A	20	1	SPARE						14	
L	15				0.35		CP-1 EMS ELECTRON CS	20	1	B	20	1	SPARE						16	
L	17				0.36		CP-1 EMS OUTPUTS	20	1	C	20	1	CONTACTOR COILS		0.35				18	L
G	19		0.54				EXTERIOR RECEPTACLE	20	1	A	20	1	SPARE						20	
	21						SPARE	20	1	B	20	1	FRONT SIGN (GROOMING ETC.)		0.54				22	C
C	23				0.90		FRONT SIGNAGE (PETSMART)	20	1	C	30	2	BATTERY CHARGER					2.40	24	
C	25				0.90		SIDE SIGNAGE (PETSMART	20	1	A								2.40	26	
C	27				0.90		SIDE SIGNAGE (PETSMART	20	1	B	20	1	DOOR HORN					0.35	28	
C	29				0.90		REAR SIGNAGE (PETSMART	20	1	C	20	1	SPARE						30	
	31						SPARE	20	1	A	20	1	SPARE						32	
C	33	0.84					LIGHTS - NIGHT LIGHTS	20	1	B	20	1	RECEPTACLE - TMB	0.45					34	L
C	35	1.60					LIGHTING - SALES	20	1	C	20	1	RECEPTACLE - TMB	0.45					36	L
C	37	1.10					LIGHTING - SALES	20	1	A	20	1	SPARE						38	
C	39	1.10					LIGHTING - SALES	20	1	B	20	1	SPARE						40	
C	41	1.60					LIGHTING - SALES	20	1	C	15	2	BOOSTER PUMP DBP-1						42	G
C	43	1.60					LIGHTING - SALES	20	1	A									44	
C	45	1.60					LIGHTING - SALES	20	1	B	20	1	SPARE						46	
	47						SPARE	20	1	C	20	1	SPARE						48	
	49						SPARE	20	1	A	20	1	EXTERIOR WALL PACKS				0.35		50	C
C	51	1.10					LIGHTS - SALON/BATHING/WASHROOMS	20	1	B	20	1	EXTERIOR WALL PACKS				0.35		52	C
C	53	0.60					LIGHTING - RECEIVING	20	1	C	20	1	EXTERIOR CANOPY LIGHTING				0.35		54	C
C	55	0.36					LIGHTS - OFFICE/STAFF	20	1	A	20	1	SPARE						56	
C	57	0.70					LIGHTING - FISH/ADOPTION	20	1	B	20	1	SPARE						58	
L/*	59	1.60					LIGHTING - EMERG./EXIT	20	1	C	20	1	SPARE						60	

PHASE BALANCE			LOAD TYPE	CONNECTED	DEMAND	DEMAND FORMULA	TOTAL LOAD	
			LIGHTING	14.6 KVA	18.3 KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED	DEMAND
Φ	LOAD	%	RECEPTACLE	4.0 KVA	4.0 KVA	10KVA + 50% REMAINDER NEC 220.44	32.7 KVA	35.9KVA
A	9.3 KVA	28%	HVAC	2.0 KVA	1.6 KVA	LOAD X 80% (USED MCA IN CALCULATION)	90.7A	99.7A
B	11.1 KVA	34%	MISC	12.1 KVA	12.1 KVA	LOAD X 100% NEC 210.19 NON-CONT.	FILENAME:	
C	12.3 KVA	38%	NP	0.0 KVA	0.0 KVA	0 NONCOINCIDENTAL LOADS NEC 220.60	14K_CS_2025_Plumbing Schedule.x	

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. PROVIDE WITH ISOLATED GROUND BUS

MOUNT: PWRPLUS | 347/600 | 3-PHASE, 4W | PANEL: MDP | CAPACITY: 400A | INT CAP: 60KA
LOCATION: RECEIVING 117 | LUGS: MCB | DEMAND LOAD: 182A | AV. FAULT: 29 KA

NOTES	CKT	LTG	REC	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	NP	CKT	NOTES
H	1			4.2			RTU-1 (6 TONS)	15	3	A	15	3	RTU-2 (4 TONS)			3.5			2	H
				4.2						B						3.5				
				4.2						C						3.5				
H	3			3.5			RTU-3 (5 TONS)	15	3	A	20	3	RTU-4 (7.5 TONS)			5.9			4	H
				3.5						B						5.9				
				3.5						C						5.9				
H	5			4.2			RTU-6 (6 TONS)	15	3	A	20	3	RTU-6 (7.5 TONS)			5.9			6	H
				4.2						B						5.9				
				4.2						C						5.9				
H	7			5.9			RTU-7 (7.5 TONS)	20	3	A	15	3	RTU-8 (5 TONS)			4.2			8	H
				5.9						B						4.2				
				4.2						C						4.2				
	9			4.2			WH-1	15	3	A	15	3	WH-2			4.2			10	
				4.2						B						4.2				
					0.7					C										
	11				0.7		DOCK LEVELLER	15	3	A	15	3	SPARE						12	
					0.7					B										
										C										
	13	3.9	17.3	2.1	6.4	1.5	XFMR: T1	200	3	A	15	3	VERIS WATT TRANSDUCER (VWT)/ PHASE LOSS MON (PLM)						14	
		5.3	21.0	2.0	7.4	1.5	RATED 150.0 KVA			B										
		5.4	17.2	0.0	9.1	3.0	LOAD 103 KVA			C										
	15						SPACE		3			3	SPACE						16	
	17						400A FRAME MOBILE GEN BREAKER W/ MECH INTERLOCK & AUX. SW	400	3	A		3	DEDICATED SPACE						18	
										B										
										C										

PHASE BALANCE			LOAD TYPE	CONNECTED	DEMAND	DEMAND FORMULA	TOTAL LOAD	
			LIGHTING	14.6 KVA	18.3 KVA	LOAD X 125% CEC 8-104 CONTINUOUS	CONNECTED	DEMAND
Φ	LOAD	%	RECEPTACLE	55.5 KVA	32.7 KVA	10KVA + 50% REMAINDER	241.9 KVA	188.7KVA
A	77.5 KVA	32%	HVAC	140.9 KVA	112.7 KVA	LOAD X 80% (USED MCA IN CALCULATION)	232.8A	181.5A
B	83.4 KVA	34%	MISC	25.0 KVA	25.0 KVA	LOAD X 100% CEC 8-104 NON-CONT.	FILENAME:	
C	81.0 KVA	33%	NP	6.0 KVA	0.0 KVA	0 NONCOINCIDENTAL LOADS	PS 14K_CS_2025_Plumbing	

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. SERVICE ENTRANCE RATED
C. MCB TO BE PROVIDED WITH MECHANICAL KIRK-KEY INTERLOCKED WITH MOBILE GENERATOR.
D. BREAKERS FOR RTU'S ARE TO BE 'HACR' RATED.

MOUNT: PWRPLUS | 120/208 | 3-PHASE, 4W | PANEL: LDP | CAPACITY: 600A RATED | INT CAP: 22KA
LOCATION: RECEIVING 117 | LUGS: MLO | DEMAND LOAD: 214A | AV. FAULT: 11 KA

NOTES	CKT	LTG	REC	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	NP	CKT	NOTES
		3.9	1.4	0.0	4.0	0.0				A				0.0	5.3	0.9	0.0	0.0		
	1	5.3	1.0	2.0	2.8	0.0	PANEL 'LA'	150	3	B	100	3	PANEL 'LB'	0.0	4.9	0.0	2.2	0.0	2	
		5.4	1.7	0.0	5.3	0.0				C				0.0	6.6	0.0	0.4	0.0		
		0.0	7.2	0.0	0.0	0.0				A				0.0	3.4	1.3	2.4	1.5		
	3	0.0	9.8	0.0	0.0	0.0	PANEL 'GA'	150	3	B	150	3	PANEL 'FC'	0.0	5.4	0.0	2.4	1.5	4	
		0.0	3.2	0.0	1.1	0.0				C				0.0	5.7	0.0	2.4	3.0		
	5						SPACE		3	A		3	SPACE						6	
										B										
										C										
	7						SPACE		3	A		3	SPACE						8	
										B										
										C										
	9						SPACE		3	A		3	SPACE						10	
										B										
										C										
	11						SPACE		3	A		3	SPACE						12	
										B										
										C										

PHASE BALANCE			LOAD TYPE	CONNECTED	DEMAND	DEMAND FORMULA	TOTAL LOAD	
			LIGHTING	14.6 KVA	18.3 KVA	LOAD X 125% CEC 8-104 CONTINUOUS	CONNECTED	DEMAND
Φ	LOAD	%	RECEPTACLE	55.5 KVA	32.7 KVA	10KVA + 50% REMAINDER	103.0 KVA	77.1KVA
A	31.2 KVA	30%	HVAC	4.1 KVA	3.3 KVA	LOAD X 80% (USED MCA IN CALCULATION)	286.0A	214.1A
B	37.2 KVA	36%	MISC	22.9 KVA	22.9 KVA	LOAD X 100% CEC 8-104 NON-CONT.	FILENAME:	
C	34.7 KVA	34%	NP	6.0 KVA	0.0 KVA	0 NONCOINCIDENTAL LOADS	PS 14K_CS_2025_Plumbing	

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND

PANEL LEGEND NOTES:

- L PROVIDE BREAKER W/ HANDLE "LOCK-ON" DEVICE
- C CIRCUIT THROUGH CONTACTOR PANEL FOR ENERGY MANAGEMENT CONTROL – SEE SHEET EM2
- G G.F.C.I CIRCUIT BREAKER
- E EMS LIGHTING CONTACTOR COIL POWER CIRCUIT
- H BREAKER SHALL BE HACR RATED
- * PAINT BREAKER RED

GENERAL NOTE:

ELECTRICAL CONTRACTOR SHALL EITHER PROVIDE MULTI-POLE CIRCUIT BREAKERS OR HANDLE TIES FOR ALL CIRCUIT BREAKERS IN PANELBOARDS WITH MULTI-WIRE CIRCUITS IN ACCORDANCE WITH CSA C22.1-21 AND LATER. ELECTRICAL CONTRACTOR SHALL EXECUTE MEANS AND METHODS IN ACCORDANCE WITH APPLICABLE SECTION(S) OF O.E.S.C. AND THE LOCAL AUTHORITY HAVING JURISDICTION. ALL 120V LED LIGHTS SHALL HAVE DEDICATED NEUTRALS, SHARING NEUTRALS IS NOT ALLOWED.

ELECTRIC UNIT HEATER SCHEDULE (EUH):

MARK	MANUFACTURER	MODEL #	ELECTRICAL DATA				NOTES
			VOLTAGE	PHASE	Hz	kW	
EUH-1	QMARK	EFF-4004	208V	1Ø	60	1.5kW	PROVIDE EFF-TBAR T-BAR MOUNTING, HONEYWELL TH5220D1029 THERMOSTAT CONNECTED W/ MD-1 & 40VA 120-24V TRANSFORMER FOR CONTROL WIRING.
EUH-2	QMARK	EFF-4004	208V	1Ø	60	1.5kW	PROVIDE EFF-TBAR T-BAR MOUNTING, HONEYWELL TH5220D1029 THERMOSTAT CONNECTED W/ MD-2 & 40VA 120-24V TRANSFORMER FOR CONTROL WIRING.

- **ELECTRICIAN TO OBTAIN FROM NATIONAL VENDOR. NO SUBSTITUTIONS.**
- INSTALL PER MANUFACTURERS INSTRUCTION.
- MOUNT IN CEILING.
- FACTORY INSTALLED DISCONNECT SWITCH.

EQUIPMENT SCHEDULE:

MARK	EQUIPMENT SERVED	LOAD	VOLT/ PHASE	FED BY	DISC. BY	MCA	MOCPD	FEEDER
RTU-1	ROOFTOP UNIT	12.47kVA	600V/3Ø	MDP	MC	12	15	3 #10 + GND- ¾"C
RTU-2	ROOFTOP UNIT	10.39kVA	600V/3Ø	MDP	MC	11	15	3 #10 + GND- ¾"C
RTU-3	ROOFTOP UNIT	10.39kVA	600V/3Ø	MDP	MC	11	15	3 #10 + GND- ¾"C
RTU-4	ROOFTOP UNIT	17.67kVA	600V/3Ø	MDP	MC	17	20	3 #10 + GND- ¾"C
RTU-5	ROOFTOP UNIT	10.39kVA	600V/3Ø	MDP	MC	11	15	3 #10 + GND- ¾"C
RTU-6	ROOFTOP UNIT	12.47kVA	600V/3Ø	MDP	MC	12	15	3 #10 + GND- ¾"C
RTU-7	ROOFTOP UNIT	17.67kVA	600V/3Ø	MDP	MC	17	20	3 #10 + GND- ¾"C
RTU-8	ROOFTOP UNIT	12.47kVA	600V/3Ø	MDP	MC	11	15	3 #10 + GND- ¾"C
WH-1	WATER HEATER	12.47kVA	600V/3Ø	MDP	MC	12	15	3 #10 + GND- ¾"C
WH-2	WATER HEATER	12.47kVA	600V/3Ø	MDP	MC	12	15	3 #10 + GND- ¾"C

MECHANICAL EQUIPMENT GENERAL NOTES:
1. MOCPD TO BE AS PER MANUFACTURERS' RECOMMENDATIONS.
2. PROVIDE NON-FUSED LOCAL DISCONNECT SWITCH RATED AT 14 kAIC. CONDUIT SHALL PENETRATE ROOF INSIDE CURB.
3. PROVIDE WEATHERPROOF 120V GFCI CONVENIENCE OUTLET ON ROOF CURB. CIRCUIT AS INDICATED.
4. CONTRACTOR TO CONFIRM EXACT POWER REQUIREMENTS WITH MECHANICAL EQUIPMENT SHOP DRAWINGS PRIOR TO ORDERING ELECTRICAL DISTRIBUTION EQUIPMENT.
5. CONTRACTOR TO CONFIRM NAMEPLATE DATA PRIOR TO CONNECTIONS.

DESIGNER NOTE: ON A PROJECT SPECIFIC BASIS, IF EXTERIOR TRANSFORMER IS SHARED WITH ADJACENT TENANT, AN EXTERIOR DISCONNECT IS REQUIRED. THUS THE MCB WILL CHANGE. LANDLORD TO COORDINATE WITH CIVIL. WILL RELOCATE LANDLORD MCB, OR PANEL WILL REMAIN WITH NO EXTERIOR DISCONNECT.

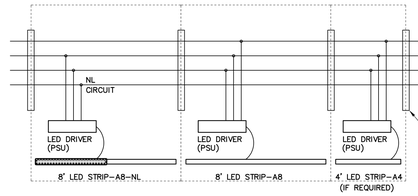
DESIGNER NOTE: ADJUST POLE QUANTITY TO SUIT PROJECT. PROVIDE AT LEAST 10% SPARE BREAKERS (WHERE POSSIBLE). TYPICAL FOR ALL PANLES.

DESIGNER NOTE: (TYPICAL FOR ALL RTU'S) ADD NOTIFICATION FOR C

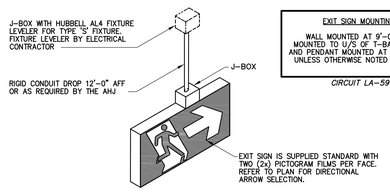
LIGHT FIXTURE SCHEDULE:

TYPE	MANUFAC.	CATALOG #	VOLT.	LAMP TYPE	WATTS	REMARKS
A4	CURRENT powered by GE	LUSCA4O-52-V1-T35VQCSWHITE (FIXTURE) AK-LUS-A-SK-04-01/10-WHITE (STARTER KIT)	MVOLT	LED	37	4.4"Wx8"HTx4'L LED LUMINAIRE, SUSPENDED @14'-0"AFF. FIXTURES SHOWN SHADED ARE NIGHT LIGHT FIXTURES AND ARE C/W OPTION '-BA' IN SKU. STARTER KIT IS REQUIRED FOR ONLY THE 1ST LIGHT IN A STRAIGHT RUN, 2x AIRCRAFT CABLES (#93017710) FOR 1ST LIGHT, 1 CABLE PER ADDITIONAL LIGHT.
A8	CURRENT powered by GE	LUSCB8O-A0-V1-T35VQCSWHITE (FIXTURE) AK-LUS-A-SK-08-01/10-WHITE (STARTER KIT)	MVOLT	LED	75	4.4"Wx8"HTx4'L LED LUMINAIRE, SUSPENDED @14'-0"AFF. FIXTURES SHOWN SHADED ARE NIGHT LIGHT FIXTURES AND ARE C/W OPTION '-BA' IN SKU. STARTER KIT IS REQUIRED FOR ONLY THE 1ST LIGHT IN A STRAIGHT RUN, 2x AIRCRAFT CABLES (#93017710) FOR 1ST LIGHT, 1 CABLE PER ADDITIONAL LIGHT.
BA	CURRENT powered by GE	LVT-22-B-040-MM-835-VQ-LT-WHITE (FIXTURE)	MVOLT	LED	37	2' X 2' LENSED LED LIGHT TROFFER
BG	NEORAY (DEFINE 2) by COOPER	S122DW-C10050L830-4FO-1-UDD-F-W	MVOLT	LED	43	2" X 4' LENSED WALL MOUNT LED FIXTURE. SEE DRAWING FOR MOUNTING HEIGHT.
EM	EMERGILITE	DISTINCTION SERIES REMOTE HEAD EF150-__/D-LMC	24V	(1 or 2) 6W MR16 LED	6/12	**REFER TO KEY NOTE 3 FOR MOUNTING INSTRUCTION.
G4	CURRENT powered by GE	LUSI4AO-52-V1-T35VQCSWHITE (FIXTURE) AK-LUS-A-SK-04-01/10-WHITE (STARTER KIT)	MVOLT	LED	37	4.4"Wx8"HTx4'L LED LUMINAIRE, MOUNTED IN BETWEEN JOISTS ABOVE BOTTOM CHORD OF BAR JOIST. FIXTURES SHOWN SHADED ARE NIGHT LIGHT FIXTURES AND ARE C/W OPTION '-BA' IN SKU. 2x AIRCRAFT CABLES (#93017710) FOR EACH LIGHT.
L	CURRENT powered by GE	EWS3-O-A7-D1-40-1-DKBZ	MVOLT	LED	25	LED WALL PACK AT 14'-6" AFF TO CENTRE OF FIXTURE, UNLESS NOTED OTHERWISE, DARK BRONZE FINISH. LAMP FACTORY INSTALLED.
M	CURRENT powered by GE	RCO615-835-WD-SD-CL-MR1V-10	120	LED	19	6" LED DOWNLIGHT C/W GE #93025091-FRAMER KIT, ULC LISTED FOR DAMP LOCATIONS.
S	EMERGILITE	EA SERIES EAWU - RUNNING MAN	UNIVERSAL	LED	2.5	EXIT SIGN, SEE DETAIL 4/E1.0. EXIT SIGN IS SUPPLIED STANDARD WITH TWO (2x) PICTOGRAM FILMS PER FACE. REFER TO PLAN 1/E1.0 FOR DIRECTIONAL ARROW SELECTION.
W	EMERGILITE	ESL SERIES 24ESL350/O OR 2	UNIVERSAL	SEE REMARKS	350	EMERGENCY BATTERY UNIT WITH EITHER NONE OR 2 LAMP HEADS

1. CONTRACTOR SHALL CONTACT LIGHTING DISTRIBUTOR, GRAYBAR ELECTRIC FOR ORDERING INFORMATION. THIS IS A REQUIRED VENDOR, SEE REQUIRED VENDOR LIST ON SHEET A0.1 FOR CONTACT INFORMATION.
2. SEE PLAN FOR LENGTH AND QUANTITY OF LINEAR FIXTURES (TYPE 'A4/A8'). NOTE: 37W PER 4'-0" LENGTH.
3. ELECTRICAL CONTRACTOR TO VERIFY ALL QUANTITIES OF LIGHT FIXTURES PRIOR TO ORDERING FIXTURES.
4. FURNISH FIXTURE WITH ALL NECESSARY JOINERS, CONNECTORS, ENDCAPS, ETC FOR A COMPLETE AND CONTINUOUS FIXTURE LENGTH RUN.
5. **ALL LIGHT FIXTURES IN THIS SCHEDULE MAY NOT BE APPLICABLE TO THIS PROJECT.**
6. LIGHT FIXTURES TO BE SUPPLIED WITH 20' MOUNTING CABLES, POWER FEED CABLE AND MOUNTING BRACKETS WITH SUSPENDED KIT.
7. GE STARTER KIT (10 ROW) #93046696-WH FOR CONTINUOUS ROW FIXTURES. PROVIDE ONE (1x) STARTER KIT PER CONTINUOUS ROW.



5 E1.0 SALES AREA LIGHT FIXTURE WIRING DETAIL
NTS

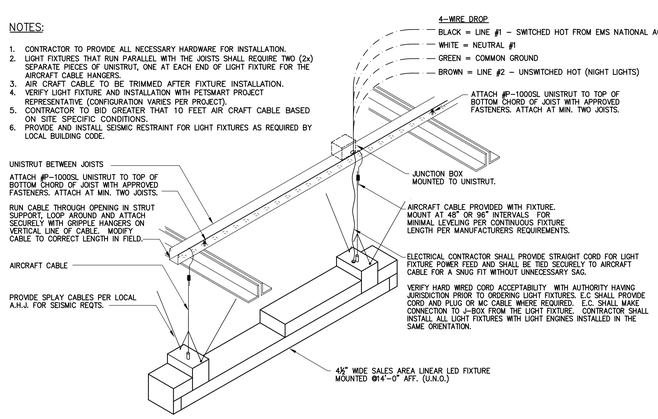


EXIT SIGN MOUNTING:
WALL MOUNTED AT 9'-0" AFF, MOUNTED TO U/S OF T-BAR CEILING AND PENDANT MOUNTED AT 12'-0" AFF UNLESS OTHERWISE NOTED ON PLAN.
CIRCUIT LA-59

4 E1.0 PENDANT MOUNT EXIT SIGN
NTS

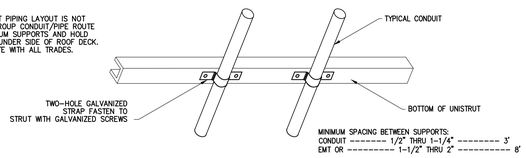
NOTES:

1. CONTRACTOR TO PROVIDE ALL NECESSARY HARDWARE FOR INSTALLATION.
2. LIGHT FIXTURES THAT RUN PARALLEL WITH THE JOISTS SHALL REQUIRE TWO (2x) SEPARATE PIECES OF UNISTRUT, ONE AT EACH END OF LIGHT FIXTURE FOR THE AIRCRAFT CABLE HANGERS.
3. AIR CRAFT CABLE TO BE TRIMMED AFTER FIXTURE INSTALLATION.
4. VERIFY LIGHT FIXTURE AND INSTALLATION WITH PETSMART PROJECT REPRESENTATIVE (CONFIGURATION VARIES PER PROJECT).
5. CONTRACTOR TO BID GREATER THAT 10 FEET AIR CRAFT CABLE BASED ON SITE SPECIFIC CONDITIONS.
6. PROVIDE AND INSTALL SEISMIC RESTRAINT FOR LIGHT FIXTURES AS REQUIRED BY LOCAL BUILDING CODE.

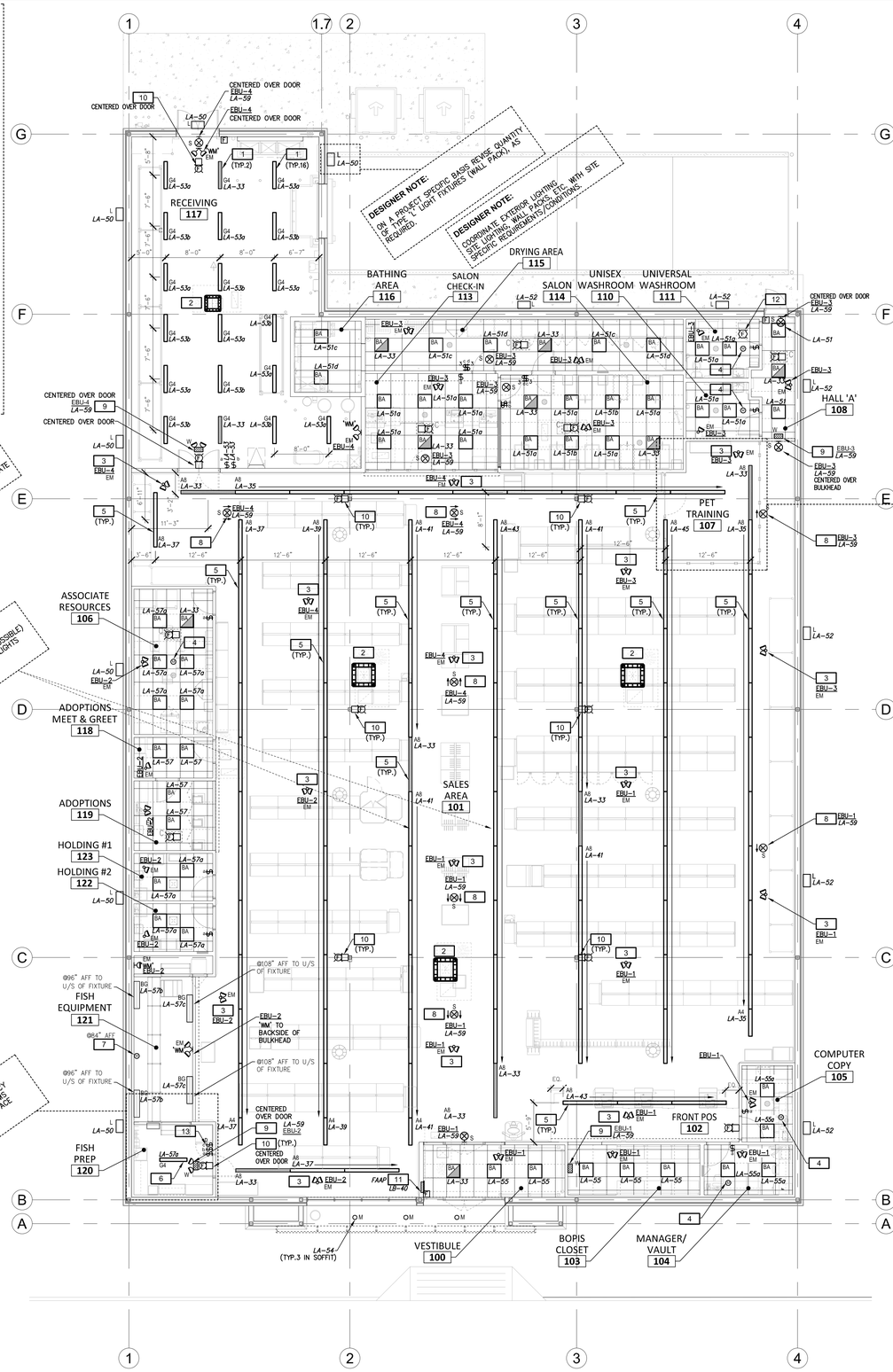


3 E1.0 LIGHT FIXTURE MOUNTING DETAIL
NTS

NOTE:
IF CONDUIT PIPING LAYOUT IS NOT SHOWN, GROUP CONDUIT/PIPE ROUTE FOR MINIMUM SUPPORTS AND HOLD TIGHT TO UNDER SIDE OF ROOF DECK. COORDINATE WITH ALL TRADES.



2 E1.0 CONDUIT/PIPE SUPPORT
NTS



1 E1.0 LIGHTING FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

LIGHTING KEY NOTES:

1. RECEIVING LIGHTS: MOUNT IN BETWEEN JOISTS ABOVE BOTTOM CHORD OF BAR JOISTS & PROVIDE WITH G.E. COVER GUARD LAMPS.
2. OUTLINE OF RTU SUPPLY AIR DROP BOX SHOWN HERE TO AVOID INTERFERENCE WITH SALES/RECEIVING AREA LIGHT FIXTURES.
3. EMERGENCY FIXTURE: MOUNTED TO UNDERSIDE OF JOISTS IN OPEN CEILING AREAS TO CREATE A PATH OF EGRESS.
4. SENSOR/SWITCH SEQUENCE WIRING: ROUTE LIGHTING CIRCUIT WIRING THROUGH (1) CEILING MOUNTED OCCUPANCY SENSOR, (2) THROUGH TO WALL SWITCH, (3) THEN TO LIGHT FIXTURE FOR A COMPLETE OPERABLE LIGHTING CONTROL SYSTEM.
5. SALES FIXTURE MOUNTING: PENDANT FIXTURES MOUNTED AT 14'-0"AFF.
6. FISH AREA FIXTURE MOUNTING: PENDANT FIXTURE MOUNTED AT 10'-0" AFF, UNO.
7. PROVIDE OCCUPANCY SENSOR FOR SECONDARY CONTROL OF FIXTURES BEHIND FISH TANKS. **MOUNT SENSOR ON WALL BEHIND TANKS @84" AFF.**
8. EXIT SIGN: TO BE PENDANT MOUNTED AT 12'-0" AFF, REFER TO DETAIL 4/E1.0. EXIT SIGN IS SUPPLIED STANDARD WITH TWO (2x) PICTOGRAM FILMS PER FACE. REFER TO PLAN 1/E1.0 FOR DIRECTIONAL ARROW SELECTION.
9. BATTERY PACK (TYP. 'W', TYP. OF 4): ON WALL AT 14'-0" IN RECEIVING AND FISH, AND WALL MOUNTED ALL OTHER AREAS TIGHT TO U/S OF CEILING
10. FIRE ALARM SIGNALLING DEVICE: MOUNTED @12'-0" AFF IN SALES AND RECEIVING, AND TO U/S OF CEILING IN ALL OTHER AREAS.
11. FIRE ALARM ANNUNCIATOR PANEL: THIS CONTRACTOR IS TO MOUNT RECESSED IN VESTIBULE WALL. NO SURFACE CONDUITS PERMITTED. LOCATE PANEL AS CLOSE TO EXTERIOR WALL AS POSSIBLE.
12. PROVIDE AND INSTALL CEILING MOUNTED FIRE ALARM STROBE LIGHT IN BARRIER-FREE WASHROOM.
13. DIMMER SWITCH: PROVIDE LUTRON DVSTV-WH (OR APPROVED EQUAL), 8A, 120/277V (WHITE). CONNECT DIMMER SWITCH TO TYPE BG FIXTURES ON BACKSIDE OF BULKHEAD IN FISH AREA. DIMMER WIRES SHALL BE GRAY/VIOLET. DO NOT RUN LOW VOLTAGE DIMMING WIRES WITH LINE VOLTAGE WIRES.

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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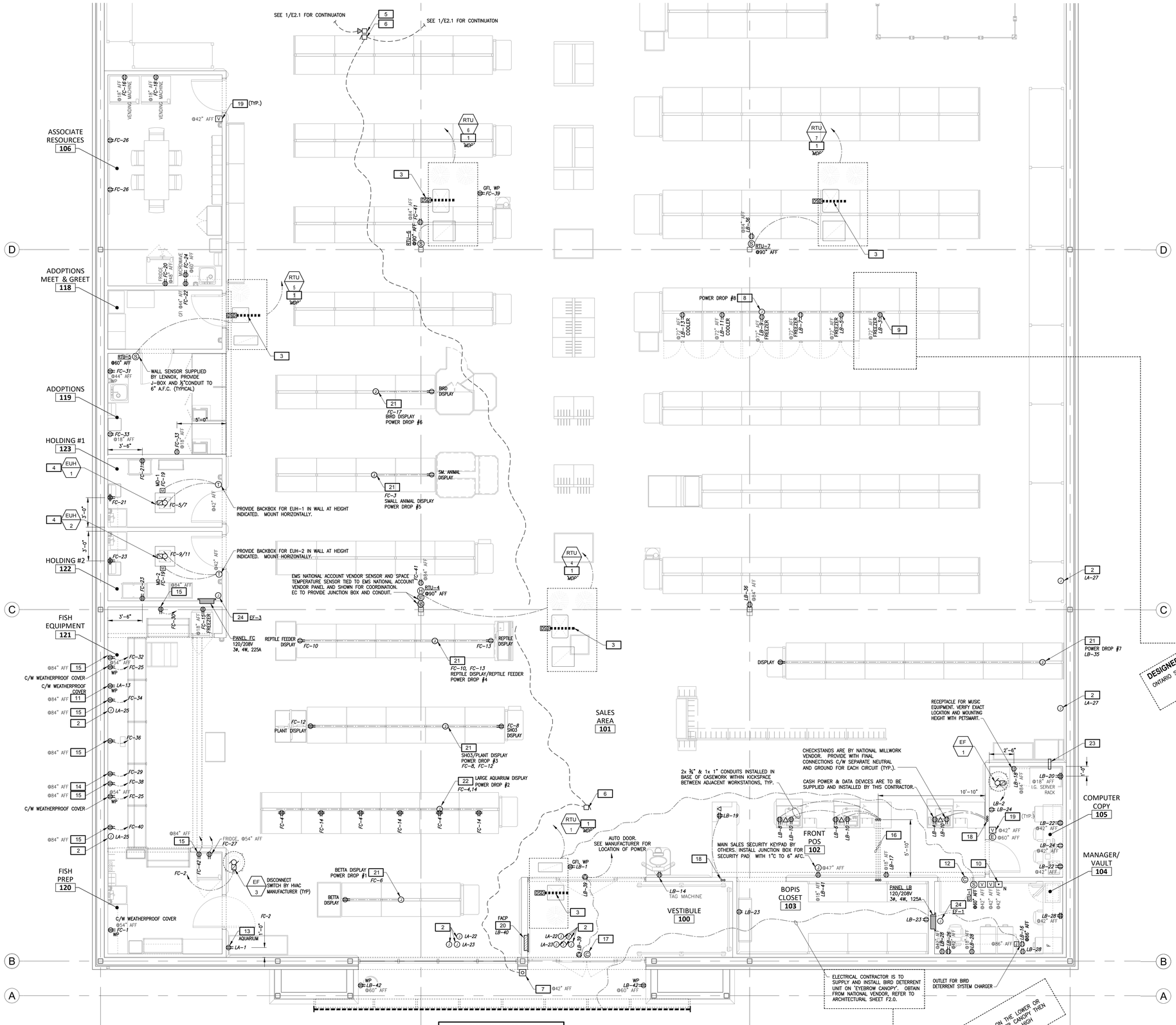
NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 47 OF: 53
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE. 1"

DISCIPLINE: ELECTRICAL

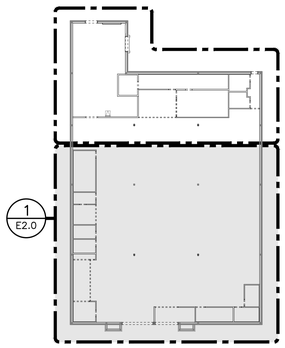
TITLE: LIGHTING FLOOR PLAN

SHEET NUMBER: **E1.0**



1 E2.0 POWER PLAN - FRONT STORE AREA
SCALE: 1/4" = 1'-0"

NORTH



KEY PLAN
1/32" = 1'-0"

ELECTRICAL KEY NOTES:

#	
1	RTU'S: SEE SINGLELINE DIAGRAM ON E0.1.
2	EXTERIOR SIGNS: PROVIDE WEATHERPROOF J-BOXES AND CONNECTIONS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH SIGN MANUFACTURER AND PETSMART CONSTRUCTION MANAGER. CONTRACTOR TO PROVIDE AND COORDINATE ACCESS FOR POWER TO SIGN.
3	CONNECT/WIRE DUCT SMOKE DETECTOR IN ROOFTOP UNIT MAIN SUPPLY AIR DUCT TO FIRE ALARM SYSTEM, AND ENSURE PROPER FUNCTION OF RELAY TO SHUTDOWN ROOFTOP UNIT.
4	ELECTRIC HEATER: PROVIDE POWER CONNECTION, THERMOSTAT AND ALL WIRING CONNECTIONS TO HEATER AND MOTORIZED DAMPER. REFER TO DETAIL 4/E3.0 FOR FURTHER INFORMATION.
5	DOOR HORN: PROVIDE HORN, CEILING MOUNT TO BOTTOM CHORD OF JOIST IN SALES AREA. WALL MOUNT OTHER AREAS AT HEIGHT INDICATED ON DRAWINGS. VERIFY LOCATION WITH PETSMART. CONNECT TO REAR PUSHBUTTON AS SHOWN ON DRAWINGS.
6	DOOR BUZZER: PROVIDE BUZZER, CEILING MOUNT TO BOTTOM CHORD OF JOIST IN SALES AREA. WALL MOUNT OTHER AREAS AT HEIGHT INDICATED ON DRAWINGS. VERIFY LOCATION WITH PETSMART. CONNECT TO FRONT PUSHBUTTON AS SHOWN ON DRAWINGS (SEE KEY NOTE 7).
7	(EXTERIOR) DOOR PUSH-BUTTON: PROVIDE PUSH-BUTTON, CONNECT TO APPROPRIATE BUZZERS OR HORNS AS SHOWN ON DRAWINGS (SEE KEY NOTES 5 AND 6). PROVIDE LAMACOID LABEL ABOVE BUTTON, "PETSMART".
8	RIGID DROP FOR COOLERS/FREEZERS: PROVIDE A 1" RIGID CONDUIT TO JUNCTION BOX AT TOP OF FIXTURE (COORDINATE EXACT HEIGHT ON SITE). ELECTRICAL CONTRACTOR TO WIRE WITH ¾" FLEXIBLE CONDUIT TO FREEZER/COOLER OUTLETS (TYP. 4), CIRCUIT AS INDICATED. REFER TO DETAIL 1/E3.0.
9	FREEZER/COOLER OUTLET: PROVIDE NEMA 5-20P, 20A (3-PRONG), 120V SINGLE PHASE RECEPTACLE SURFACE MOUNTED ON EITHER MILLWORK SHROUD OR PEGBOARD OF GONDOLA FIXTURE @72" AFF FOR DELI COOLER/FREEZERS. CONTRACTOR TO VERIFY THAT OUTLET IS COMPATIBLE WITH PLUG/CORD. REFER TO DETAIL 1/E3.0.
10	EMS NATIONAL ACCOUNT VENDOR PUSH-BUTTON OVERRIDE: INSTALL MANAGER'S EMS NATIONAL ACCOUNT VENDOR PUSH-BUTTON OVERRIDE, FURNISHED BY EMS NATIONAL ACCOUNT VENDOR. PROVIDE A RECESSED 4"x4" JUNCTION BOX, ¾" CONDUIT TO 6" AFC WITH 1x 9 CONDUCTOR 18 GA CABLE TO EMS NATIONAL ACCOUNT VENDOR OPUS CONTROLLER.
11	FISH RACK LIGHTING: PROVIDE A WP GFCI PROTECTED OUTLET C/W WEATHERPROOF COVER AND CIRCUITRY @84" AFF FOR FISH RACK LIGHTING. PROVIDE FINAL CONNECTION AND CONTROLS VIA EMS SYSTEM. COORDINATE ALL REQUIREMENTS/PLUG-CORD LENGTH WITH FISH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN AND MAKE FINAL CONNECTION.
12	DOOR SECURITY: SEE DETAIL 5/E3.0.
13	AQUARIUM(S): PROVIDE 120V GFCI OUTLET AND CIRCUITRY FOR AQUARIUM EQUIPMENT PROVIDED BY OTHERS. VERIFY LOCATION AND HEIGHT.
14	TURTLE TANK OUTLET: PROVIDE 120V, 20A GFCI BREAKER IN PANEL FOR TURTLE TANK OUTLET @84" AFF. MAKE FINAL CONNECTION WHEN EQUIPMENT IS LOCATED. COORDINATE ALL REQUIREMENTS/PLUG-CORD LENGTH WITH FISH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN AND MAKE FINAL CONNECTION.
15	TROPICAL & COLD WATER FILTRATION SYSTEM: PROVIDE 120V, 20A GFCI PROTECTED BREAKER FOR FILTRATION RECEPTACLES @84" AFF. COORDINATE ALL REQUIREMENTS/PLUG-CORD LENGTH WITH FISH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN AND MAKE FINAL CONNECTION..
16	CUT SLAB AND ROUTE 2x 1"C FOR POWER AND 1x 1"C FOR TELECOM IN SLAB ACROSS TO CASH. CONDUITS TO TERMINATE 3" AFF IN FLOOR MOUNTED JUNCTION BOXES FOR POWER, DATA CONDUIT. PROVIDE END BUSHINGS AND PULLSTRINGS. EXTEND FLEX CONDUIT FROM JUNCTION BOX TO SURFACE MOUNTED DEVICES IN CASEWORK. PROVIDE FINAL CONNECTION WITH SEPARATE NEUTRAL AND GROUND FOR EACH CIRCUIT (TYPICAL).
17	DOOR CONTACT IS PRE-INSTALLED BY DOOR SUPPLIER. EC TO ENSURE CONDUIT FOR SECURITY TO DOOR FOLLOWS THE SAME PATH AS DOOR POWER AND TERMINATES IN DOOR HEADER FRAME.
18	PROVIDE RIGID CONDUITS DOWN IN WALL TO 2" AFF AND WITHIN KICKSPACE OF MILLWORK FOR POWER AND DATA OUTLETS IN MILLWORK, C/W PULLSTRING.
19	VOLUME CONTROL BY OTHERS. ELECTRICAL CONTRACTOR TO ROUGH-IN BOX AT 42" A.F.F. (U.N.O.), TYPICAL.
20	FIRE ALARM ANNUNCIATOR PANEL: THIS CONTRACTOR IS TO MOUNT RECESSED IN VESTIBULE WALL. NO SURFACE CONDUITS PERMITTED. LOCATE PANEL AS CLOSE TO EXTERIOR WALL AS POSSIBLE.
21	RIGID POWER DROP (AT GONDOLAS): COORDINATE WITH FIXTURE PLAN. VERIFY WITH PETSMART CONSTRUCTION MANAGER AND INSTALL. SEE DETAIL 3/E3.0.
22	RIGID POWER DROP (FOR LARGE AQUARIUMS): COORDINATE WITH FIXTURE PLAN. SEE DETAIL 2/E3.0.
23	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 COLOUR.
24	J-BOX FOR RELAY SERVING EXHAUST FANS: PROVIDE 8"x8"x4" J-BOX ON WALL 12" ABOVE CEILING FOR EXHAUST FAN CONTROL RELAY. SEE 2/EM2 FOR WIRING. LABEL CIRCUIT NUMBER AND EXHAUST FAN NUMBER ON BOX COVER.

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:

14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

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ARCHITECT:

SEAL:

CITY SEAL:

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ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: 02.12.25
CA0045686.0146
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 48 OF: 53
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE. 1"

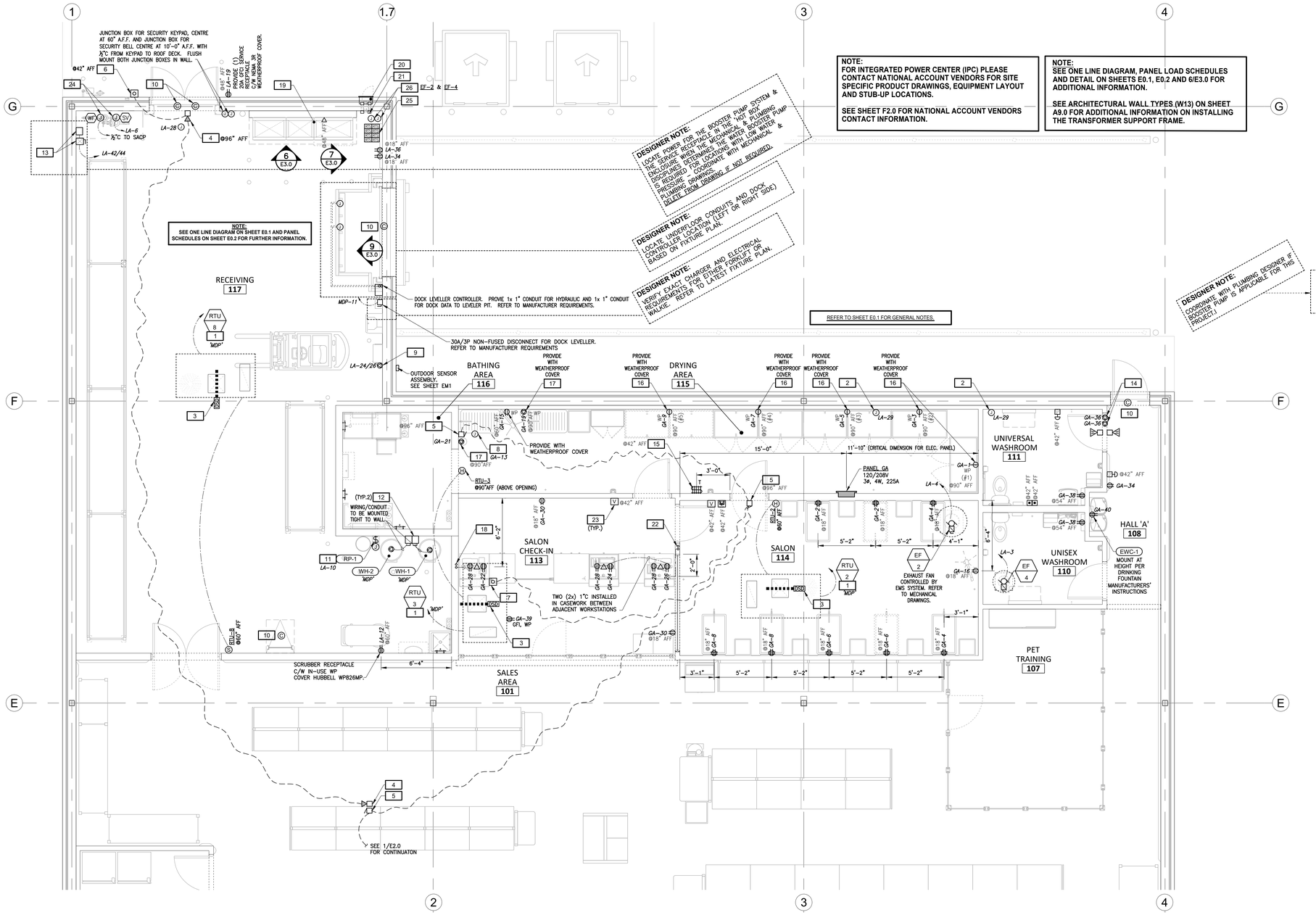
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TITLE:

ENLARGED POWER FLOOR PLAN

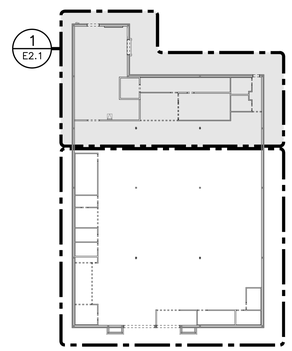
SHEET NUMBER:

E2.0



1 E2.1 POWER PLAN - BACK OF STORE AREA
SCALE: 1/4" = 1'-0"

NORTH



KEY PLAN
1/32" = 1'-0"

ELECTRICAL KEY NOTES:

#	
1	RTU'S: SEE SINGLELINE DIAGRAM ON E0.1.
2	EXTERIOR SIGNS: PROVIDE WEATHERPROOF J-BOXES AND CONNECTIONS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH SIGN MANUFACTURER AND PETSMART CONSTRUCTION MANAGER. CONTRACTOR TO PROVIDE AND COORDINATE ACCESS FOR POWER TO SIGN.
3	CONNECT/WIRE DUCT SMOKE DETECTOR IN ROOFTOP UNIT MAIN SUPPLY AIR DUCT TO FIRE ALARM SYSTEM, AND ENSURE PROPER FUNCTION OF RELAY TO SHUTDOWN ROOFTOP UNIT.
4	DOOR HORN: PROVIDE HORN. CEILING MOUNT TO BOTTOM CHORD OF JOIST IN SALES AREA. WALL MOUNT OTHER AREAS AT HEIGHT INDICATED ON DRAWINGS. VERIFY LOCATION WITH PETSMART. CONNECT TO REAR PUSHBUTTON AS SHOWN ON DRAWINGS (SEE KEY NOTE 6).
5	DOOR BUZZER: PROVIDE BUZZER, CEILING MOUNT TO BOTTOM CHORD OF JOIST IN SALES AREA. WALL MOUNT OTHER AREAS AT HEIGHT INDICATED ON DRAWINGS. VERIFY LOCATION WITH PETSMART. CONNECT TO FRONT PUSHBUTTON AS SHOWN ON DRAWINGS.
6	(EXTERIOR) DOOR PUSH-BUTTON: PROVIDE PUSH-BUTTON. CONNECT TO APPROPRIATE BUZZERS OR HORNS AS SHOWN ON DRAWINGS (SEE KEY NOTES 4 AND 5). PROVIDE LAMACOID LABEL ABOVE BUTTON, "PETSMART".
7	INSTALL NEW PUSHBUTTON SURFACE MOUNTED ON TOP OF MILLWORK COUNTER, LOCATED IN FRONT CORNER ADJACENT TO CASH DESK. BUTTON PROVIDED BY NATIONAL MILLWORK VENDOR. CONNECT TO APPROPRIATE BUZZERS OR HORNS AS SHOWN ON DRAWINGS (SEE KEY NOTES 4 & 5).
8	LOW VOLTAGE (12V) TRANSFORMER FOR DOOR BUZZER. LOCATE ABOVE CEILING.
9	BATTERY CHARGER: SEE DETAIL 10/E3.0.
10	DOOR SECURITY: SEE DETAIL 5/E3.0.
11	RECIRCULATING PUMP (RP-1): PROVIDE TOGGLE DISCONNECT SWITCH FOR PUMP. LABEL SWITCH "PUMP". WALL MOUNT SWITCH ADJACENT TO PUMP. COORDINATE WORK WITH MECHANICAL CONTRACTOR.
12	WATER HEATER DISCONNECTS: PROVIDE 30A/2P DISCONNECTS AND ¾" FLEXIBLE SEAL TIGHT CONNECTIONS TO WATER HEATER.
13	DOMESTIC WATER BOOSTER PUMP: PROVIDE A RATED WALL SWITCH AND ALL FINAL CONNECTIONS TO BOOSTER PUMP SYSTEM. PROVIDE ALL EQUIPMENT NECESSARY TO COMPLETE INSTALLATION PER MANUFACTURER'S SPECIFICATIONS. THE BOOSTER PUMP SYSTEM IS FACTORY WIRED INCLUDING (1) 2HP, 208V, 1Φ MOTOR. COORDINATE WITH PLUMBING CONTRACTOR AND DRAWINGS. FED FROM PANEL 'LA'.
14	DOOR OPERATOR: PROVIDE AND INSTALL 120V POWER CONNECTION TO DOOR OPERATOR AND EMERGENCY CALL SYSTEM. PROVIDE ¾" EMT CONDUIT AND BACK BOXES FOR ALL DOOR OPERATOR PUSHBUTTONS, DOOR LOCK BUTTON, ELECTRIC STRIKE, EMERGENCY CALL BUTTON AND SOUNDER HORN/LIGHT. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR ALL LOCATIONS.
15	TIMER SWITCH: SEE DETAIL 8/E3.0.
16	DRYER RECEPTACLE: SEE DETAIL 8/E3.0.
17	MASTER BLASTER DRYER RECEPTACLE: PROVIDE A 30A NEMA L5-30R SINGLE RECEPTACLE, COLOUR WHITE, C/W WEATHERPROOF COVER. MOUNT AT HEIGHT INDICATED.
18	PROVIDE 2x 1" RIGID CONDUITS DOWN IN WALL TO 2" AFF TO LOCATIONS OF POWER AND DATA OUTLETS IN MILLWORK, C/W PULLSTRING.
19	NATIONAL ACCOUNT VENDOR INTEGRATED POWER CENTER (IPC):. REFER TO DETAIL 1/E0.1 (PANELS MDP, LDP, TRANSFORMER T1 AND NATIONAL ACCOUNT EMS VENDOR EQUIPMENT). INTEGRATED POWER CENTER (IPC) SHALL CONTAIN ALL EQUIPMENT AS INDICATED PER THE ONE LINE DIAGRAM. ALL EQUIPMENT SHALL BE FACTORY WIRED AS INDICATED. PROVIDE 4" CONCRETE HOUSEKEEPING PAD, REFER TO ARCHITECTURAL.
20	MOBILE GENERATOR ACCESS BOX, NEMA 4, 12"x12"x6" FLUSH MOUNT ENCLOSURE W/ (2) PADLOCKING HANDLES, HOFFMAN #CFM2126LG (QTY 1) & #CWHPTD (QTY 2). IF SPACE IS UNAVAILABLE BETWEEN INTEGRATED POWER CENTER (IPC) AND DOCK DOOR, LOCATE ACCESS BOX IN OPEN AREA ABOVE THE RIGHT SIDE OF INTEGRATED POWER CENTER (IPC). COORDINATE EXACT LOCATION WITH PETSMART. ACCESS BOX SUPPLIED BY NATIONAL ACCOUNT VENDOR, SEE DETAIL 11/E3.0.
21	4" CHASE NIPPLES C/W INSIDE CAPS AND LOCKNUTS INSULATED BUSHINGS, (TYP 2 EA.)
22	PROVIDE 2x 1" RIGID CONDUITS DOWN IN WALL TO 2" AFF AND ACROSS IN WALL BELOW WINDOW (APPROX. 2'-0" FROM WINDOW FRAME) TO LOCATIONS OF POWER AND DATA OUTLETS IN MILLWORK, C/W PULLSTRING.
23	VOLUME CONTROL BY OTHERS. ELECTRICAL CONTRACTOR TO ROUGH-IN BOX AT 42" A.F.F. (U.N.O.), TYPICAL.
24	APPROXIMATE LOCATION OF SPRINKLER VALVE AREA FOR PETSMART SPACE. PROVIDE FLOW SWITCH AND SUPERVISORY FIRE ALARM CONNECTIONS TO SPRINKLER VALVE.
25	WIRE REMOTE DUCT SMOKE TEST STATIONS TO LOCATION ON PHONE BOARD, REFER TO ELEVATION 7/E3.0.
26	J-BOX FOR RELAY SERVING EXHAUST FANS: PROVIDE 8"x8"x4" J-BOX ON WALL @80" A.F.F FOR EXHAUST FAN CONTROL RELAY. SEE 2/EM2 FOR WIRING. LABEL CIRCUIT NUMBER AND EXHAUST FAN NUMBER ON BOX COVER.

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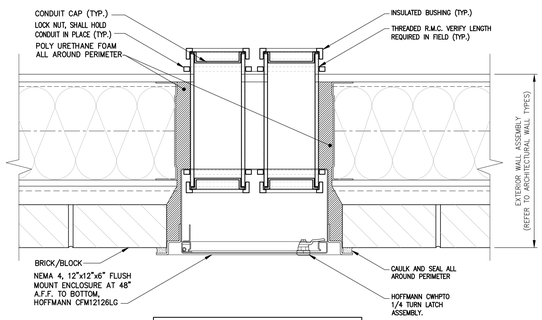
NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
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1"
DESIGNED BY:
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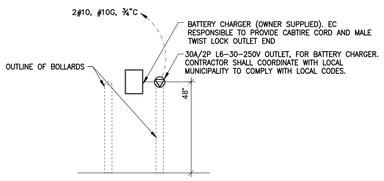
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SHEET NUMBER: **E2.1**

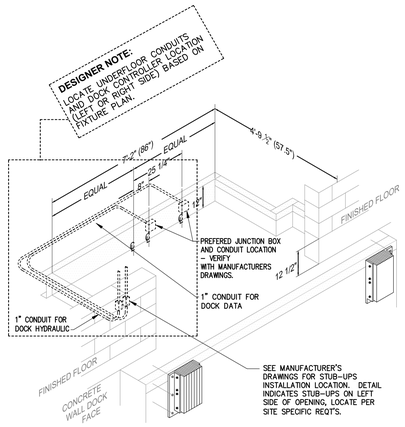


NOTE:
REFERENCE ONE LINE DIAGRAM (1/E0.1), SEE KEYNOTES 20 & 21 ON SHEET E2.1 FOR CONDUIT ASSEMBLY SIZE AND QUANTITIES. ACCESS BOX SUPPLIED BY NATIONAL ACCOUNT VENDOR

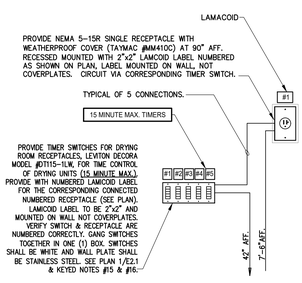
11 E3.0 MOBILE GENERATOR ACCESS BOX
NTS



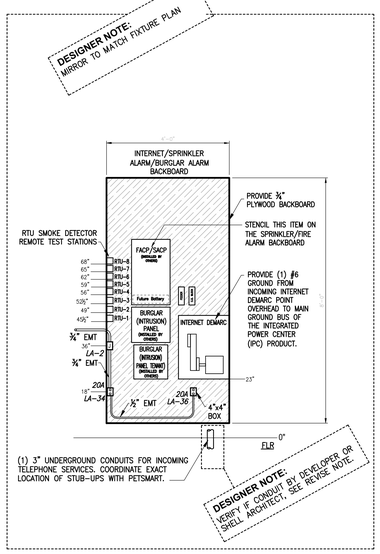
10 E3.0 BATTERY CHARGER ELEVATION
NTS



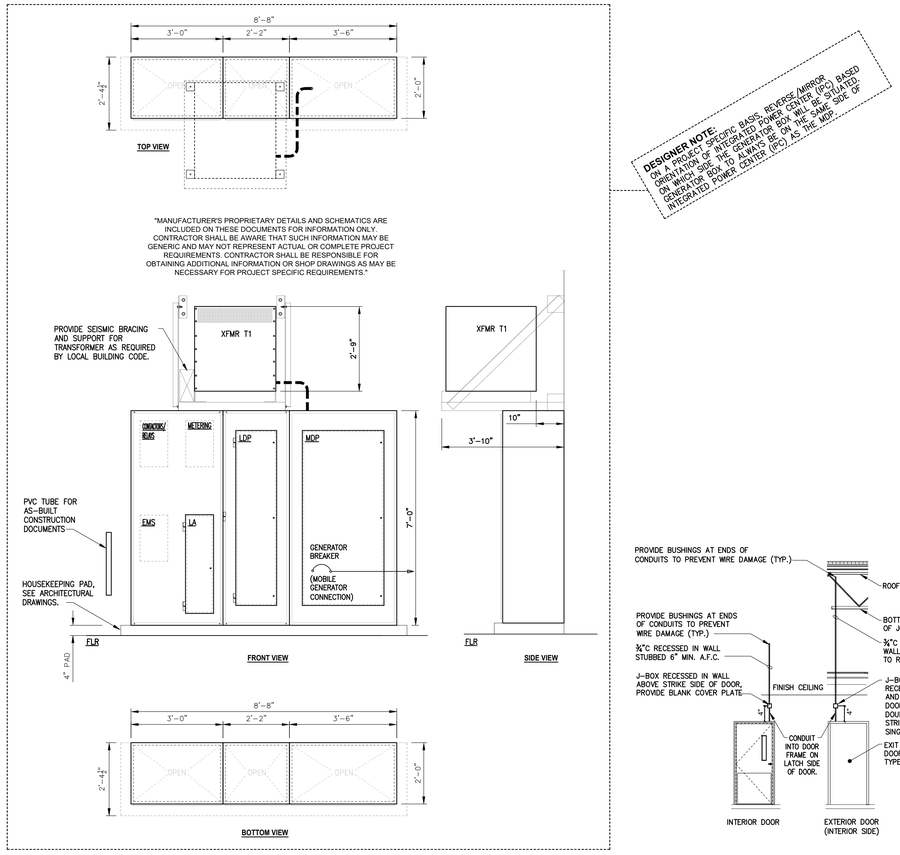
9 E3.0 DOCK LEVELLER PIT ISOMETRIC
NTS



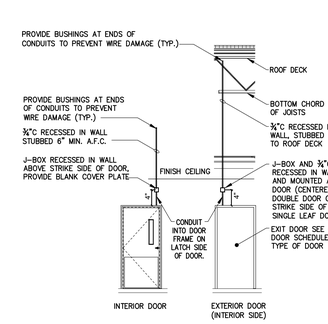
8 E3.0 DRYING TIMER SWITCHES
NTS



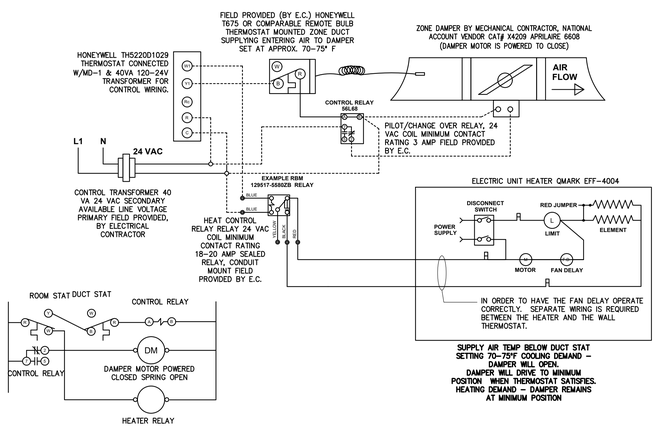
7 E3.0 ELEVATION OF PHONE BOARD
NTS



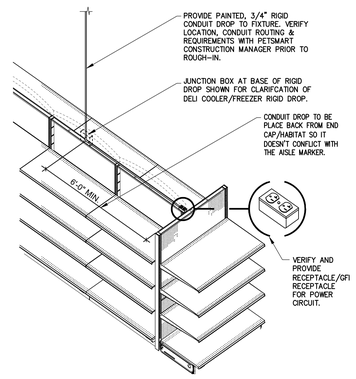
6 E3.0 INTEGRATED POWER CENTER (IPC) PLAN VIEW & ELEVATION
1/2" = 1'-0"



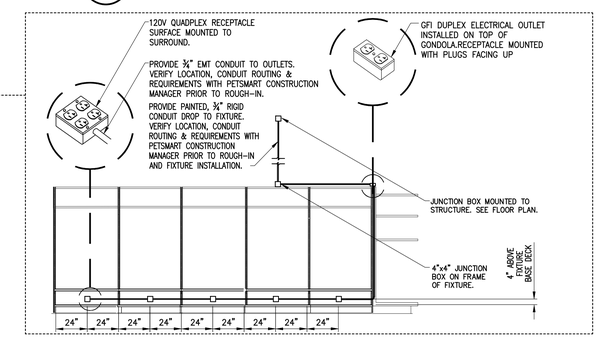
5 E3.0 SECURITY CONNECTIONS AT DOORS
NTS



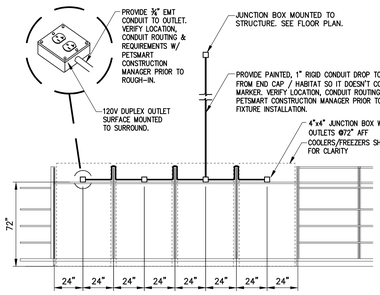
4 E3.0 WIRING DIAGRAM FOR MOTORIZED DAMPER
NTS



3 E3.0 RIGID POWER DROP AT GONDOLAS
NTS



2 E3.0 RIGID POWER DROP AT LARGE AQUARIUMS
NTS



1 E3.0 RIGID POWER DROP AT FREEZERS/COOLERS
NTS

CLIENT:
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19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

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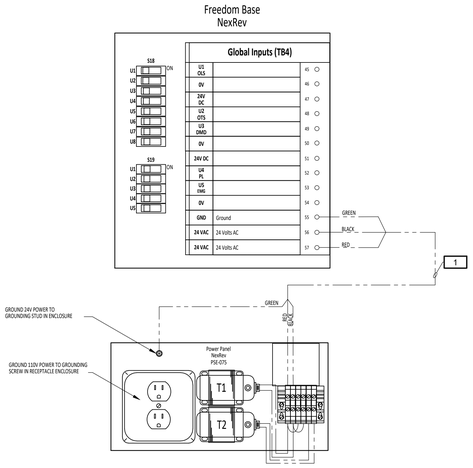
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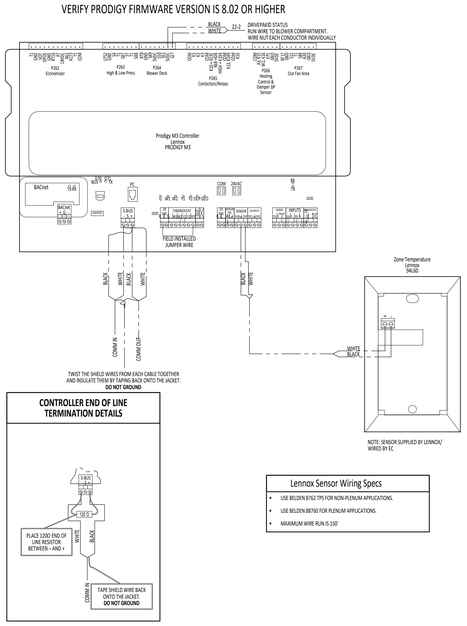
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ELECTRICAL POWER DETAILS

SHEET NUMBER:
E3.0



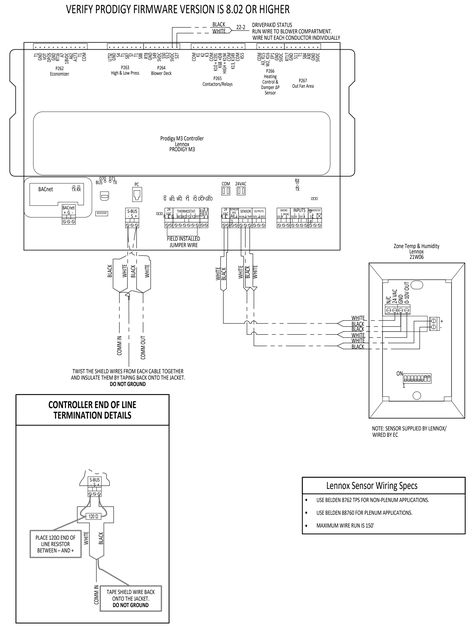
5 EM1 CONTROL POWER WIRING DIAGRAM
NTS

VERIFY PRODIGY FIRMWARE VERSION IS 8.02 OR HIGHER



4 EM1 FIELD WIRING FOR LENNOX W/ TEMPERATURE SENSOR
NTS

VERIFY PRODIGY FIRMWARE VERSION IS 8.02 OR HIGHER



3 EM1 FIELD WIRING FOR LENNOX W/ COMBINATION SENSOR
NTS

THE OUTDOOR SENSOR ASSEMBLY IS FURNISHED BY EMS NATIONAL ACCOUNT VENDOR. THE CONDUIT AND WEATHERHEAD ARE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. DO NOT MOUNT OUTDOOR SENSOR ASSEMBLY ON RTU.

2 EM1 OUTDOOR SENSOR ASSEMBLY (OSA)
NTS

1 EM1 ONE LINE DIAGRAM FOR COMM. LINK & SYSTEM INTERFACE
NTS

KEYED NOTES

1	(1) 2C 22 GA. TWISTED SHIELDED WIRE, USE PLENUM RATED WIRE IN CONCEALED SPACE ABOVE CEILINGS.
2	WTS-2051 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	(1) 2C 22 GA. TWISTED SHIELDED PAIR
6	(2) 2C 18 GA. TWISTED SHIELDED PAIR
7	(1) 4C 18 GA. TWISTED SHIELDED PAIR
8	EMS CONTROLLER (INTERNAL TO NATIONAL ACCOUNTS VENDOR'S INTEGRATED POWER CENTER).
9	COMMUNICATION LINK
10	(2) 10C 18 GA.
11	(1) 4C 18 GA.
12	COMBINATION TEMPERATURE/HUMIDITY SENSOR SUPPLIED BY NATIONAL ACCOUNTS MECHANICAL VENDOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. SEE SHEET M1.0.

GENERAL NOTES

1. ALL EMS EQUIPMENT (WITH EXCEPTION TO THE EQUIPMENT INTERNAL TO NATIONAL ACCOUNTS VENDOR'S INTEGRATED POWER CENTER) SHALL BE PURCHASED BY GENERAL CONTRACTOR OR ELECTRICAL CONTRACTOR FROM EMS NATIONAL ACCOUNTS VENDOR. (NO EXCEPTIONS). CONTACT NEXREV NATIONAL ACCOUNTS FOR PRICING (972) 578-0505.
2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL CONDUIT, WIRE, PULL BOXES, AND JUNCTION BOXES REQUIRED FOR A COMPLETE INSTALLATION. ALL CABLE FOR INSTALLATION SHALL BE WHITE IN COLOR.
3. ALL WORK SHALL CONFORM WITH THE LOCAL STATE AND NATIONAL ELECTRICAL CODES. 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 GRADE COPPER WITH 600 VOLT INSULATION AND SHALL BE 14 GA.THWN.
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 VENDOR TO ESTABLISH START-UP DATE FOR EMS SYSTEM CONTACT (972) 578-0505. SEE SPECIFICATION SECTION 01010 PAGES 3 & 4 OF 18.

OHS	OUTDOOR HUMIDITY SENSOR
OLS	OUTDOOR LIGHT SENSOR
OSA	OUTDOOR SENSOR ASSEMBLY
OTS	OUTDOOR TEMPERATURE SENSOR
OVR	OVERRIDE
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 ROOFTOP EQUIPMENT. CHECK ALL SUPPLY AND DISCHARGE PRESSURE IN REFRIGERANT LINES. SEE START UP CHECK LIST IN SPECIFICATIONS.

NOTE:

EMS EQUIPMENT INTERNAL TO NATIONAL ACCOUNT VENDOR'S POWERWALL PRODUCT 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 DEGREE COOLING SET POINT AND A 70 DEGREE HEATING SET POINT WITH AN INTERMITTENT FAN.

NOTE:

FOR EQUIPMENT PRICING, GENERAL CONTRACTOR OR ELECTRICAL CONTRACTOR SHALL CONTACT:

KEITH SVONOVEC
NATIONAL ACCOUNTS PETSMART QUOTES
NATIONAL ACCOUNT EMS VENDOR CORPORATION
501 DEVELOPMENT DRIVE
PLANO, TX 75074
PH: (972) 578-0505 CELL: (216) 867-8131

(SEE REQUIRED VENDOR LIST ON SHEET F2.0 FOR ADDITIONAL INFORMATION)

NOTE:

NATIONAL ACCOUNT EMS VENDOR TO FURNISH SITE SPECIFIC DRAWINGS TO CONTRACTOR. VERIFY FINAL WIRING REQUIREMENTS WITH NATIONAL ACCOUNT EMS VENDOR SITE-SPECIFIC DRAWINGS.

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PETSMART

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

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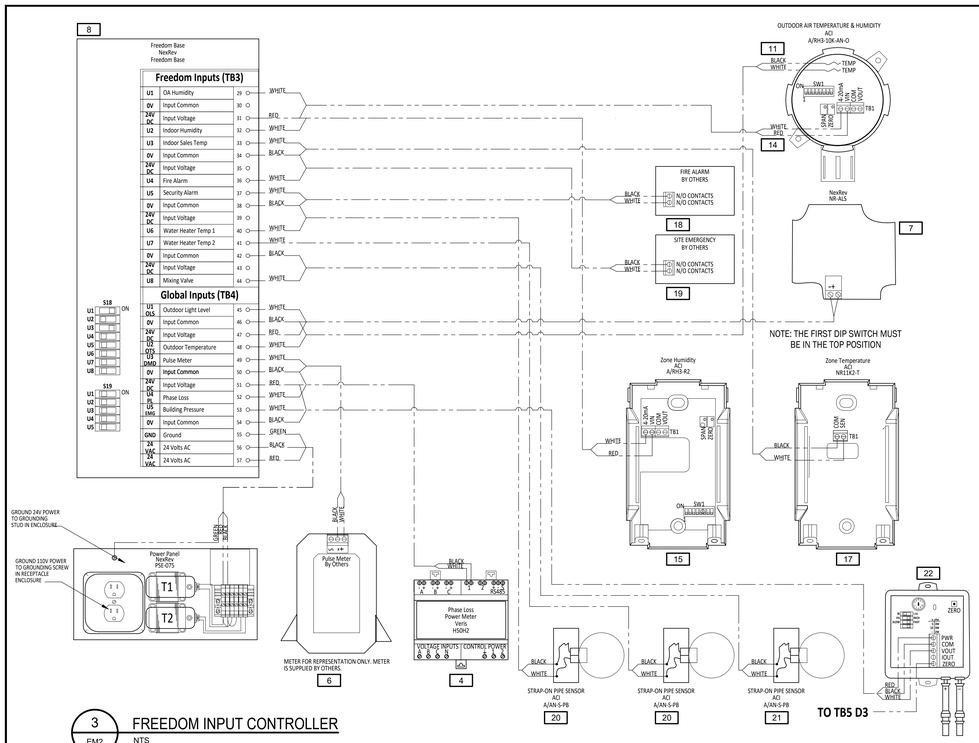
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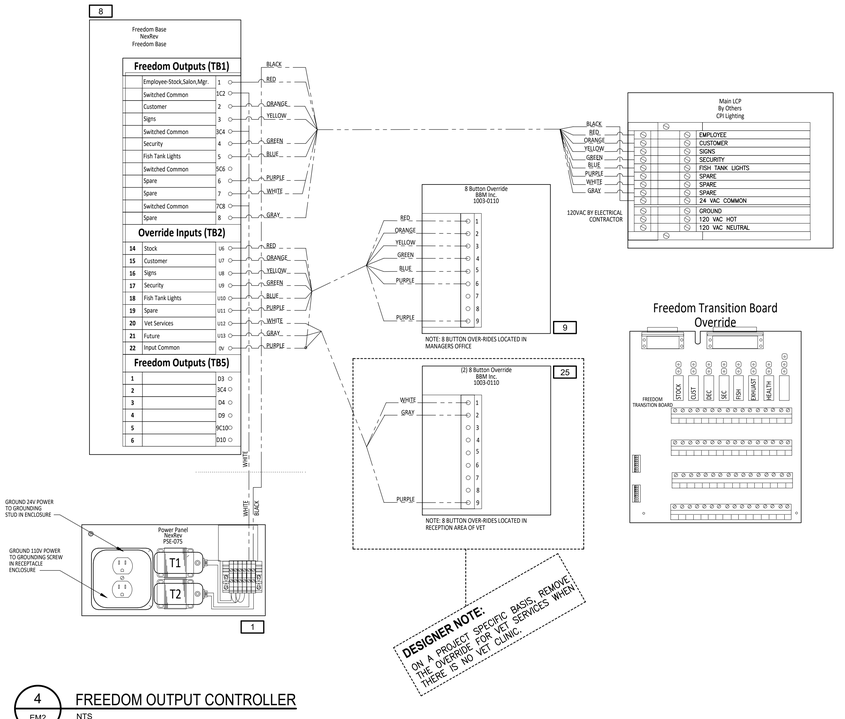
DISCIPLINE: ELECTRICAL

TITLE: ENERGY MANAGEMENT

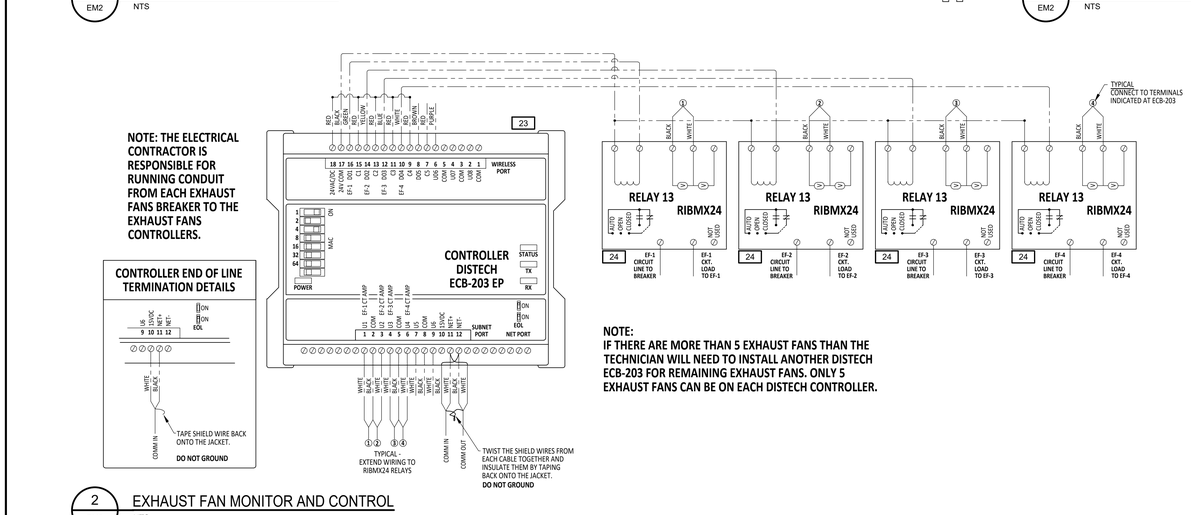
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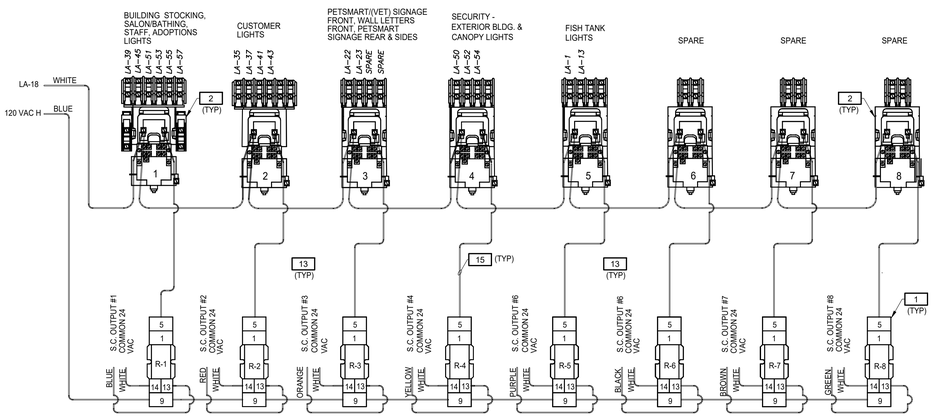
3 EM2 FREEDOM INPUT CONTROLLER
NTS



4 EM2 FREEDOM OUTPUT CONTROLLER
NTS



2 EM2 EXHAUST FAN MONITOR AND CONTROL
NTS



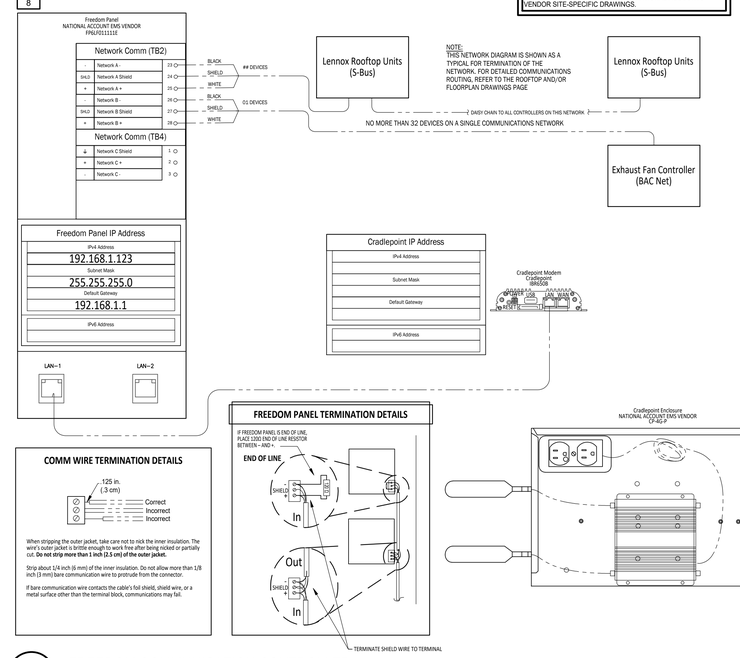
1 EM2 FREEDOM LIGHTING CONTROLLER ONE LINE DIAGRAM
NTS

R1 THRU R8 CONTROLLERS & CONTROL TIMES

- R1 BUILDING STOCKING LIGHTS, BATHING/SALON, STAFF, ADOPTIONS LIGHTS OPERATING HOURS FROM 6:00 AM TILL 11:59 PM.
- R2 CUSTOMER LIGHTS OPERATING HOURS ON 15 MIN. BEFORE STORES OPENING AND OFF 30 MIN. AFTER STORE CLOSES.
- R3 PETSMART SIGNAGE & ILLUMINATED LETTERS OPERATING HOURS FROM DUSK TILL 12:01 AM AND 5:00 AM TILL DAWN.
- R4 BUILDING EXTERIOR LIGHTS OPERATING HOURS FROM DUSK TILL DAWN, FROM PHOTOCELL.
- R5 FISH TANK LIGHTS OPERATING HOURS FROM 7:00 AM TILL 10:00 PM.
- R6 SPARE.
- R7 SPARE
- R8 SPARE.

LIGHTING CONTACTORS/RELAYS & BASES/CONTROL POWER TRANSFORMERS INTERNAL TO NATIONAL ACCOUNT VENDOR'S INTEGRATED POWER CENTER.

(FURNISHED, INSTALLED, AND FACTORY WIRED - CONTROL WIRING & CONTACTOR LINE CIRCUIT- BY NATIONAL ACCOUNTS VENDOR)



5 EM2 FREEDOM COMMUNICATION CONTROLLER
NTS

KEYED NOTES

1. 40 VA TRANSFORMER TO SUPPLY POWER TO CONTROL RELAYS LOCATED IN NATIONAL ACCOUNTS EMS VENDOR INTEGRATED POWER CENTER (IPC) - EMS SELECTION.
2. CONTACTOR BY NATIONAL ACCOUNTS EMS VENDOR, NUMBER OF POLES NORMALLY CLOSED AS DETAILED PER LIGHTING CONTACTOR ONE-LINE (TYP.).
3. IDEC SPDT 24 VAC RELAY AND BASE MOUNTING BY NATIONAL ACCOUNTS VENDOR.
4. VERIS WATT TRANSDUCER METER MODEL H8153 PROVIDED AND INSTALLED BY EMS NATIONAL ACCOUNTS VENDOR.
5. EMS NATIONAL ACCOUNTS VENDOR TO PROVIDE CIRCUIT BREAKER IN PANEL 'MDP' FOR PHASE LOSS MONITOR.
6. PHASE LOSS MONITOR PROVIDED, INSTALLED AND FACTORY WIRED IN.
7. OLS, OUTDOOR LIGHT SENSOR- SEE SHEET EM2.
8. FREEDOM BASE AND CONTROL POWER EQUIPMENT PRODUCT PROVIDED, - SEE EM2 FOR LAYOUT.
9. (8) BUTTON OVERRIDE PANEL LOCATED IN MANAGERS OFFICE 104, SEE E2.0.
10. FURNISHED BY ROOFTOP UNIT MANUFACTURER, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
11. OTS, OUTDOOR TEMPERATURE SENSOR - SEE SHEET EM2.
12. S.A.C.P./F.A.C.P., NO RTU SHUT DOWN TO BE SOFTWARE DRIVEN ON SMOKE DETECTION - UNITS MUST HAVE HARD WIRED SMOKE DETECTORS. CHECKPOINT IS TO PROVIDE A SPDT RELAY MODULE MOUNTED NEXT TO THE S.A.C.P./F.A.C.P. ON A DOUBLE - GANG BOX FOR CONNECTION TO THE EMS SYSTEM BY THE E.C. THIS RELAY MODULE WILL BE LABELED EMS TO PREVENT CONFUSION WITH OTHER MODULES THAT MAY BE MOUNTED NEARBY. THE E.C. WILL BE RESPONSIBLE FOR INSTALLING CONDUIT & TWO CONDUCTORS BETWEEN THE MODULE (COMA N/O) AND THE EMS SYSTEM EMERGENCY STATUS INPUT.
13. ALL CONTACTORS, RELAYS & LOW VOLTAGE WIRING PROVIDED, INSTALLED AND FACTORY WIRED BY NATIONAL ACCOUNTS VENDOR IN THE INTEGRATED POWER CENTER (IPC).
14. OHS, OUTDOOR HUMIDITY SENSOR- SEE SHEET EM2.
15. ALL INTERNAL CONTROL WIRING SHALL BE RUN IN NEAT - AND - WORKMAN - LIKE MANNER, LABEL ALL WIRES WITH NUMBERS.
16. ZONE HUMIDITY SENSOR - SEE SHEET EM2.
17. INDOOR TEMPERATURE SENSOR - COORDINATE WITH EMS NATIONAL VENDOR.
18. SECURITY PANEL: ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING CONDUIT & TWO CONDUCTORS BETWEEN THE MODULE AND THE NATIONAL ACCOUNTS EMS VENDOR STATUS INPUT.
19. FIRE PANEL: ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING CONDUIT & TWO CONDUCTORS BETWEEN THE MODULE AND THE EMS NATIONAL ACCOUNTS VENDOR STATUS INPUT.
20. WATER HEATER OUTLET - COORDINATE WITH EMS NATIONAL ACCOUNTS VENDOR.
21. MIXING VALVE SENSOR - COORDINATE WITH EMS NATIONAL ACCOUNTS VENDOR.
22. BUILDING PRESSURE SENSOR - COORDINATE WITH NATIONAL ACCOUNTS VENDOR.
23. DISTECH CONTROLLER - COORDINATE WITH EMS NATIONAL ACCOUNTS VENDOR.
24. RELAY CONTROLLER - COORDINATE WITH EMS NATIONAL ACCOUNTS VENDOR.
25. (8) BUTTON OVERRIDE PANEL LOCATED IN VET SERVICES CHECK-IN, SEE E2.1.

GENERAL NOTES

1. ENERGY MANAGEMENT COMPONENTS ARE FURNISHED BY EMS NATIONAL ACCOUNTS VENDOR CONTROLS (WITH THE EXCEPTION OF EQUIPMENT INTERNAL TO NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC).
2. ALL WIRING AND TERMINATIONS SHOWN ARE BY THE ELECTRICAL CONTRACTOR.
3. ALL LOW VOLTAGE WIRING EXTERNAL TO THE ENCLOSURE MAY BE OPEN CABLE (PLENUM CABLE WHEN REQUIRED) IF LOCAL CODES PERMIT.
4. ALL COMPONENTS SHOWN EXTERNAL TO "FREEDOM PANEL" ENCLOSURE ARE MOUNTED AND WIRED BY THE ELECTRICAL CONTRACTOR (WITH THE EXCEPTION OF EQUIPMENT INTERNAL TO NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC).
5. ALL COMPONENTS SHOWN EXTERNAL TO NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) - EMS SECTION IS MOUNTED AND WIRED BY NATIONAL ACCOUNTS VENDOR.
6. LOW VOLTAGE CONDUCTORS SHALL MAINTAIN A MINIMUM 1/4" CLEARANCE FROM POWER CONDUCTORS.

WIRE LEGEND

LOW VOLTAGE (<25 VAC)

- MINIMUM 22GA. TWISTED SHIELDED PAIR (PLENUM RATED AS REQUIRED BY CODE)
- 18 GA.
- 18 GA. 9C CONDUCTOR
- LINE VOLTAGE (>25 VAC):

NOTE:
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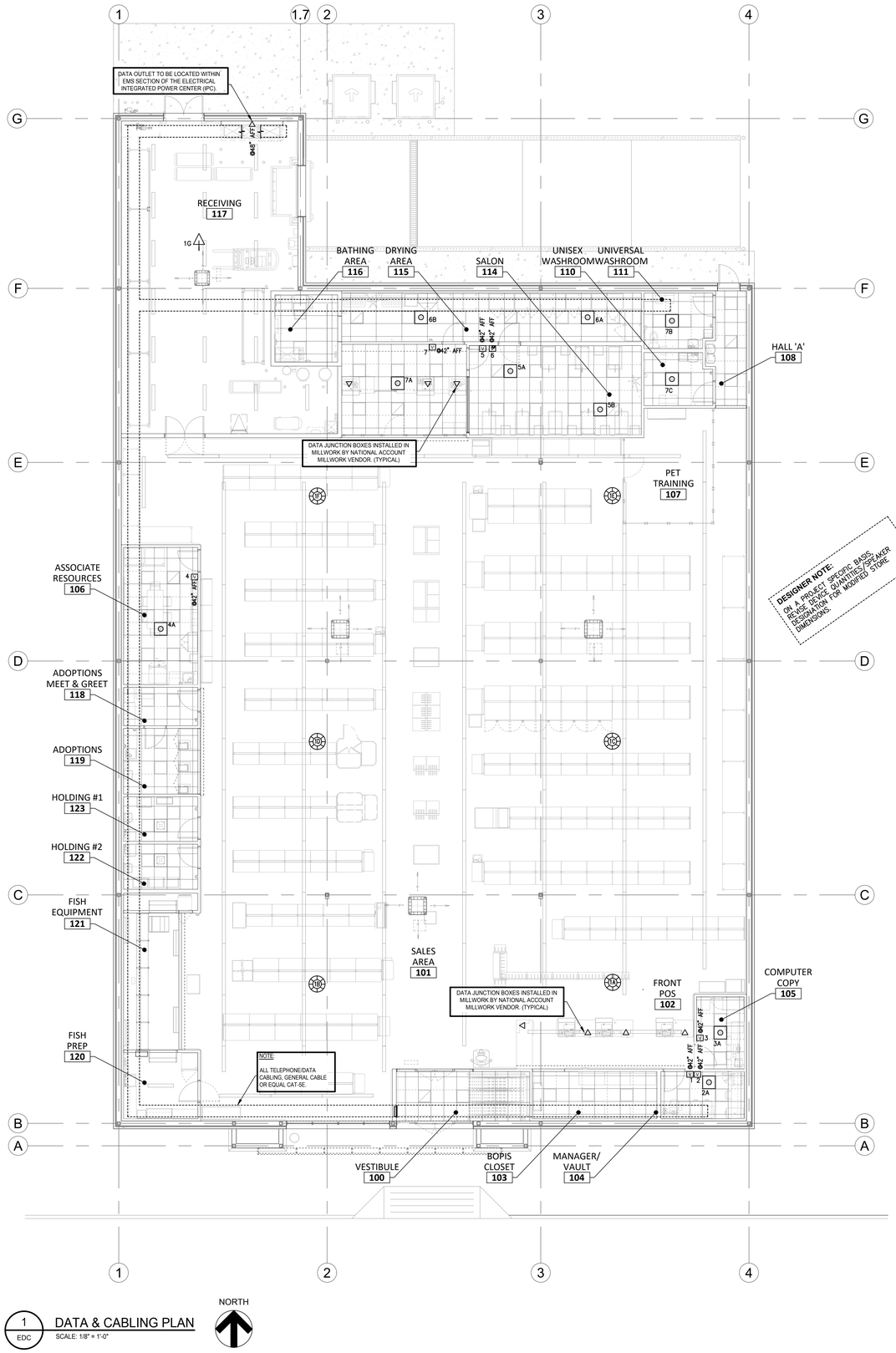
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TITLE: ENERGY MANAGEMENT

SHEET NUMBER: **EM2**



1 EDC DATA & CABLING PLAN
SCALE: 1/8" = 1'-0"

NORTH

SYMBOLS LEGEND:

▽ +X"–X"	DATA JUNCTION BOX MOUNTED AT +X"–X" A.F.F. (U.N.O.)
V	VOLUME CONTROL MOUNTED AT 42" A.F.F. (U.N.O.)
	2'x2' LAY–IN CEILING SPEAKER
	ONE WAY FLEX HORN
	PENDANT MOUNTED SPEAKER
	ALLOWABLE AREA OF ALL CABLING RUNS OVERHEAD

CABLING OUTLINE:

TOTAL NUMBER OF CABLING LOOPS:
- (1) ONE WAY FLEX HORN/PENDANT MOUNTED SPEAKER LOOP
- (6) 2' X 2' LAY–IN SPEAKER LOOPS
- (7) VOLUME CONTROL LOOPS
- (1) DATA LOOPS

CABLING INSTALLATION REQUIREMENTS:
1. ALL SPEAKER CABLING TO BE GREY.
2. ALL CABLES ARE TO BE RUN AND CONCEALED IN THE ANGLE OF THE BAR JOIST AND NEATLY CABLE–TIED TO THE BAR JOIST. DO NOT DRAPE ALONG OR BETWEEN BAR JOISTS. SAGGING WIRES ARE NOT PERMITTED.
3. ALL DATA CABLING MUST BE TESTED FOR CONTINUITY.
4. THE ONE WAY FLEX HORN IN RECEIVING MUST BE MOUNTED ABOVE THE BOTTOM CHORD OF THE BAR JOIST SO THAT IT DOES NOT INTERFERE WITH FORKLIFT OPERATION.
5. THE PENDANT MOUNTED SPEAKERS IN THE SALES AREA MUST BE INSTALLED NO LOWER THAN THE ELEVATION OF THE LIGHT FIXTURES.

PAGING OUTLINE:

PAGING EQUIPMENT LIST:
ALL EQUIPMENT BY "VALCOM" 24 VOLT
- (7) WALL MOUNTED VOLUME CONTROL – MODEL #V–1092
- (1) ZONE PAGE CONTROLLER – MODEL #VIP 201A PAGE PRO IP
- (1) ONE WAY FLEX HORN – MODEL #V–1080W
- (6) PENDANT MOUNTED SPEAKERS – MODEL #V1015B–WW
- (10) 2' X 2' LAY–IN CEILING SPEAKER

LOCATION OF VOLUME CONTROLS & CABLING LOOPS:

MANAGER OFFICE:
TWO VOLUME CONTROLS MOUNTED SIDE BY SIDE (SHARE SAME CABLE).
- CONTROLS (6) PENDANT MOUNTED SPEAKERS IN SALES AREA 1A–1F & (1) ONE WAY FLEX HORN IN RECEIVING 1G.
- CONTROLS (1) 2' X 2' LAY–IN SPEAKER IN MANAGER'S OFFICE 2A.

COMPUTER COPY:
ONE VOLUME CONTROL
- CONTROLS (1) 2' X 2' LAY–IN SPEAKER IN COMPUTER COPY 3A.

ASSOCIATE RESOURCES:
ONE VOLUME CONTROL
- CONTROLS (1) 2' X 2' LAY–IN SPEAKER IN ASSOCIATE RESOURCES 4A.

SALON CHECK–IN:
ONE VOLUME CONTROL
- CONTROLS (1) 2' X 2' LAY–IN SPEAKER IN SALON CHECK–IN 5A & (1) 2' X 2' LAY–IN SPEAKER IN UNIVERSAL RESTROOM 5B & (1) 2' X 2' LAY–IN SPEAKER IN UNISEX RESTROOM 5C.

SALON:
TWO VOLUME CONTROLS MOUNTED SIDE BY SIDE (SHARE SAME CABLE)
- CONTROLS (2) 2' X 2' LAY–IN SPEAKERS IN SALON 6A–6B
- CONTROLS (2) 2' X 2' LAY–IN SPEAKERS IN DRYING 7A–7B.

PAGING INSTALLATION REQUIREMENTS:
1. USE ONLY GREY JACKETED SPEAKER CABLE/CHAINS.
2. ALL CABLES ARE TO BE RUN AND CONCEALED IN THE ANGLE OF THE BAR JOIST AND NEATLY CABLE–TIED TO BAR JOIST. DO NOT DRAPE ALONG OR BETWEEN BAR JOISTS. SAGGING WIRES ARE NOT PERMITTED.
3. THE ONE WAY FLEX HORN IN RECEIVING MUST BE MOUNTED ABOVE THE BOTTOM CHORD OF THE BAR JOIST SO THAT IT DOES NOT INTERFERE WITH FORKLIFT OPERATION.
4. THE PENDANT MOUNTED SPEAKERS IN THE SALES AREA MUST BE INSTALLED NO LOWER THAN THE ELEVATION OF THE LIGHT FIXTURES.
5. PROVIDE SEPARATE CABLING FOR EACH VOLUME CONTROL. NO SHARING.

GENERAL NOTES:

1. PROVIDE PLENUM CABLE WHERE REQUIRED BY CODE, CONFIRM WITH ARCHITECT/CM.
2. EQUIPMENT FOR ALL STORE MUSIC, DATA, & PAGING IS SUPPLIED AND INSTALLED BY PETSMART.
3. CABLING FOR ALL STORE MUSIC, DATA, & PAGING IS SUPPLIED & INSTALLED BY PETSMART.
4. PETSMART IT DEPARTMENT TO COORDINATE NETWORK INSTALLATION AND SET–UP.

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

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

CITY SEAL:

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THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 53 OF: 53

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

DISCIPLINE: ELECTRICAL

TITLE: DATA & CABLING PLAN

SHEET NUMBER: **EDC**