

OPENING SOON
BANNER ORDER FORM

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



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

petsmart.com

JOB SITE:

PETSMART STORE #

NAME

STREET

CITY

ST. _____ ZIP _____

SHIP TO:

CONTACT PERSON

NAME

STREET

CITY

ST. _____ ZIP _____

PHONE

COST \$ 431.00 (INCLUDES 1 BANNER, SHIPPING AND HANDLING)

LOCAL SALES TAX \$ (PLEASE CALCULATE TAX)

TOTAL ENCLOSED \$

THE BANNER PACKAGE WILL BE SHIPPED
FED EX GROUND SHIPPING WITHIN 8-9 BUSINESS DAYS.
(REQUIRED FOR PROCESSING AND PRODUCTION)
ALL BANNER ORDERS MUST BE PRE-PAID.

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

CONTRACTOR: (PAID BY)

COMPANY

STREET

CITY

ST. _____ ZIP _____

PHONE

PAYMENT

METHOD

NAME

STREET

CITY

ST. _____ ZIP _____

PHONE

COST \$ 431.00 (INCLUDES 1 BANNER, SHIPPING AND HANDLING)

LOCAL SALES TAX \$ (PLEASE CALCULATE TAX)

TOTAL ENCLOSED \$

THE BANNER PACKAGE WILL BE SHIPPED
FED EX GROUND SHIPPING WITHIN 8-9 BUSINESS DAYS.
(REQUIRED FOR PROCESSING AND PRODUCTION)
ALL BANNER ORDERS MUST BE PRE-PAID.

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

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

OPENING SOON
BANNER ORDER FORM

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



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

petsmart.com

JOB SITE:

PETSMART STORE #

NAME

STREET

CITY

ST. _____ ZIP _____

SHIP TO:

CONTACT PERSON

NAME

STREET

CITY

ST. _____ ZIP _____

PHONE

COST \$ (INCLUDES 1 BANNER, SHIPPING AND HANDLING)

LOCAL SALES TAX \$ (PLEASE CALCULATE TAX)

TOTAL ENCLOSED \$

THE BANNER PACKAGE WILL BE SHIPPED
FED EX GROUND SHIPPING WITHIN 8-9 BUSINESS DAYS.
(REQUIRED FOR PROCESSING AND PRODUCTION)
ALL BANNER ORDERS MUST BE PRE-PAID.

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

CONTRACTOR: (PAID BY)

COMPANY

STREET

CITY

ST. _____ ZIP _____

PHONE

PAYMENT

METHOD

NAME

STREET

CITY

ST. _____ ZIP _____

PHONE

COST \$ (INCLUDES 1 BANNER, SHIPPING AND HANDLING)

LOCAL SALES TAX \$ (PLEASE CALCULATE TAX)

TOTAL ENCLOSED \$

THE BANNER PACKAGE WILL BE SHIPPED
FED EX GROUND SHIPPING WITHIN 8-9 BUSINESS DAYS.
(REQUIRED FOR PROCESSING AND PRODUCTION)
ALL BANNER ORDERS MUST BE PRE-PAID.

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

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

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 BUILDING ADDRESS AT THE OUTSET OF BUILDING WORK. THE GENERAL CONTRACTOR SHALL DELIVER TO 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 INSTALL 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 TELEPHONE DEMARC 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 MUST 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 SCHEDULE.
- 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 BUILDINGS MUST BE SECURED.
- THE EXTERIOR CANOPY MUST BE STARTED.
- THE CONING 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 °F AND A COOLING TEMPERATURE OF NOT MORE THAN 75 °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 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 CHECKDANS 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 G.C.) BEFORE DELIVERY OF MILLWORK AND AQUARIUMS. CHARGER TO BE HOOKED UP AND PLUGGED INTO FORKLIIFT IMMEDIATELY SO IT IS FULLY CHARGED WHEN THE MILLWORK AND AQUARIUMS ARRIVE MONDAY MORNING.
- HAVE ALL STAINLESS STEEL SINKS ON SITE SO MILLWORK INSTALLER CAN CUT IN.
- UTILITY INFORMATION MUST BE POSTED ON WEB PAGE UNDER PROJECT INFO AREA
- 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 EMS 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 POWERWALL (IPC) ELECTRICAL SERVICE EQUIPMENT.
- THE ENTIRE BUILDING MUST BE BROOM CLEAN.
- CERTAIN ADDITIONAL ITEMS WILL BE REQUIRED BY THE GENERAL CONTRACTOR DURING THE MILLWORK AND AQUARIUM INSTALLATION PHASE. AT MINIMUM, THE FOLLOWING ITEMS MUST BE PROVIDED BY THE GENERAL CONTRACTOR
- THE MILLWORK INSTALLER SHOULD INSTALL THE CHECK STANDS AS ONE OF THEIR FIRST TASKS. ONCE THE CHECK STANDS HAVE BEEN SET IN PLACE THE ELECTRICAL CONTRACTOR SHOULD IMMEDIATELY INSTALL THE POWER / DATA.
- THE FINAL ELECTRICAL AND PLUMBING CONNECTIONS FOR THE AQUARIUM SYSTEM SHOULD BE MADE IMMEDIATELY FOLLOWING THE SYSTEMS INSTALLATION BUT NO LATER THAN THURSDAY OF THE INSTALLATION WEEK.

PUNCH LIST

THE ARCHITECT OF RECORD WILL PERFORM THE FINAL PUNCH LIST ALONG WITH THE PETSMART CONSTRUCTION MANAGER APPROXIMATELY TEN 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.
- PROVIDE A PHOTO OF THE FIRE SPRINKLER HYDRAULIC CALCULATION SYSTEM PLACARD INSTALLED AT THE FIRE RISER TO PETSMART CM.

BUILDING TURNOVER (SETUP)

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

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

ARCHITECTURAL
GENERAL KEY NOTES:

- G1. HIGH POINT OF CONCRETE - SLOPE TOWARD TRENCH.
- G2. 4" WIDE PAINTED OUTLINE FOR EQUIPMENT ON FLOOR. PAINT TRAFFIC YELLOW.
- G3. TRENCH DRAIN.
- G4. FLOOR DRAIN - SLOPE FLOOR 1/4" FOR A 2'-0" DIA. AREA CENTERED ON DRAIN. SEE PLUMBING DRAWINGS. TOP OF DRAIN COVER TO FINISH FLUSH W/ TOP OF ADJ. FLOOR FINISH MATERIAL.
- G5. INTERIOR RAIN WATER LEADER
- G6. 2x4 PEGBOARD (BY OTHERS).
- G7. REQUIRED CLEAR ACCESS AREA AT DOOR.
- G8. CONTINUOUS LIMESTONE COLORED SIKAFLEX SEALANT FOR TILE TRANSITION TO FLOOR.
- G9. STORAGE CABINET (BY OTHERS).
- G10. WASHER BOX FOR ICE MAKER - SEE PLUMBING DWGS.
- G11. 2" x 2" PLASTIC CORNER GUARD - INSTALL PER MANUFACTURERS INSTRUCTIONS (REFER TO REQUIRED VENDOR LIST). BUTT WALL BASE TO CORNER GUARD. SEE DETAIL 11A/12.0.
- G12. 2" x 2" ALUMINUM CORNER GUARD - WRAP JAMBS AND HEAD WHEN OCCURRING AT CASED OPENINGS - SEE DETAIL 12A/12.0. (FURNISHED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR)
- G13. WALL SURFACE MOUNTED CART BUMPER +2'-6" TO CENTERLINE - PROVIDE BLOCKING - SEE DETAIL 7A/12.0 (SEE REQUIRED VENDOR LIST).
- G14. FLOOR MOUNTED CART BUMPER - POLISHED CHROME. (SEE REQUIRED VENDOR LIST.)
- G15. WALL SURFACE MOUNTED BUMPER GRAB ABOVE AND SURFACE MOUNTED CRASH RAIL BELOW. (SEE REQUIRED VENDOR LIST). SEE DETAIL 7A/12.0.
- G16. 4' x 4' WALL MOUNTED TACKBOARD PROVIDED AND INSTALLED BY OTHERS.
- G17. 4' x 8' WALL MOUNTED TACKBOARD PROVIDED AND INSTALLED BY OTHERS.
- G18. DECORATIVE FENCE AND GATE (NATIONAL ACCOUNT MILLWORK VENDOR).
- G19. CHEMICAL MIXING STATION (BY OTHERS).
- G20. REFRIGERATOR (BY OTHERS).
- G21. MILLWORK (NATIONAL ACCOUNT MILLWORK VENDOR)
- G22. VENDING MACHINES (BY OTHERS).
- G23. TAG MACHINE (BY OTHERS).
- G24. ADDITION FIXTURE / CAGES (NATIONAL ACCOUNT MILLWORK VENDOR).
- G25. PET TRAINING FIXTURE (NATIONAL ACCOUNT MILLWORK VENDOR).
- G26. SOAP DISPENSER.
- G27. SOAP DISPENSER. ATTACH TO RIGHT HAND CORNER OF MIRROR OVER SINK.
- G28. HAND SANITIZER
- G29. PAPER TOWEL DISPENSER. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
- G30. TOILET PAPER DISPENSER. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
- G31. TOILET SEAT COVER DISPENSER. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
- G32. SANITARY NAPKIN DISPOSAL. SEE ADA 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 ADA ACCESSIBILITY NOTES ON SHEET A0.2.
- G35. KOALA BEAR KARE BABY CHANGER MANUFACTURED BY KOALA CORPORATION. HORIZONTAL TYPE, MOUNTED AT ACCESSIBLE HEIGHT. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
- G36. OVERHEAD BRACED METAL TOILET PARTITION AND URINAL SCREEN WITH FLOOR TO CEILING POST. PROVIDE WALL BUMPERS AT ADA STALL DOORS.
- G37. 3/8" GALVANIZED EYEBOLT EPOXY ANCHORED 2 1/2" (MIN) IN FLOOR 4" OFF THE FACE OF WALL UNLESS NOTED OTHERWISE. TOP OF EYEBOLT TO BE 3" AFF.
- G38. INSULATED DRAIN AND HOT WATER LINE TYP. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
- G39. 5'-0" A.D.A. TURNING DIAMETER.
- G40. 30" x 48" CLEAR ACCESS. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
- G41. LOW/HIGH DRINKING FOUNTAIN. MOUNT PER A.D.A. REQUIREMENTS - PROVIDE 2x6 BLOCKING AS REQUIRED. CAULK REAR OF DRINKING FOUNTAIN TO FRP W/ CLEAR SILICONE SEALANT.
- G42. CLOTHES HOOK AND BUMPER. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
- G43. WALLBOARD, PAINT - SEE FINISH SCHEDULE.
- G44. FRP WALL COVERING SYSTEM. INSTALL PER MFR. DETAILS & INSTRUCTIONS.
- G45. 12" x 12" CERAMIC TILE, CONTINUE THE CERAMIC TILE BEHIND ALL FIXTURES.
- G46. 6" x 24" CERAMIC TILE, CONTINUE THE CERAMIC TILE BEHIND ALL FIXTURES.
- G47. PROVIDE CONTINUOUS LIMESTONE COLORED SIKAFLEX 1A AT JOINT OF PLYWOOD WALL FINISH AND FLOOR.
- G48. 4" RUBBER BASE.
- G49. 4" RUBBER BASE ON FRP. FRP INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR, RUBBER BASE INSTALLED BY GC.
- G50. COMPOSITE BASE - TANGENT RESIN BOARD SUPPLIED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
- G51. RECESSED ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS.
- G52. SALES AREA LIGHT FIXTURE IN FOREGROUND.
- G53. UNFINISHED WALLBOARD, TAPE, MUD & SAND.
- G54. FIRE ALARM PULL STATION.
- G55. FIRE ALARM ANNUNCIATOR PANEL.
- G56. SECURITY ALARM KEYPAD.
- G57. DATA OUTLET.
- G58. DUPLEX RECEPTACLE.
- G59. QUADPLEX RECEPTACLE.
- G60. DECORATIVE GRAPHICS LEDGE (BY OTHERS). GC TO PROVIDE 24" HIGH CONTINUOUS 3/4" PLYWOOD BLOCKING IN STUD WALL FOR DECORATIVE LEDGE ATTACHMENT.
- G61. LIGHT SWITCH.
- G62. JUNCTION BOX.
- G63. DOORBELL / BUZZER FOR SALON CUTTING AREA. BUTTON IN MILLWORK PROVIDED BY NATIONAL ACCOUNT MILLWORK VENDOR, INSTALL BY E.C..
- G64. VOLUME CONTROL.
- G65. BUZZER.
- G66. REMOTE TEMPERATURE SENSOR.
- G67. REMOTE HUMIDITY/TEMPERATURE SENSOR.
- G68. THERMOSTAT.
- G69. DISCONNECT FOR WATER HEATER.
- G70. RECIRCULATING PUMP SWITCH.
- G71. RECIRCULATING PUMP - SEE PLUMBING DWGS.

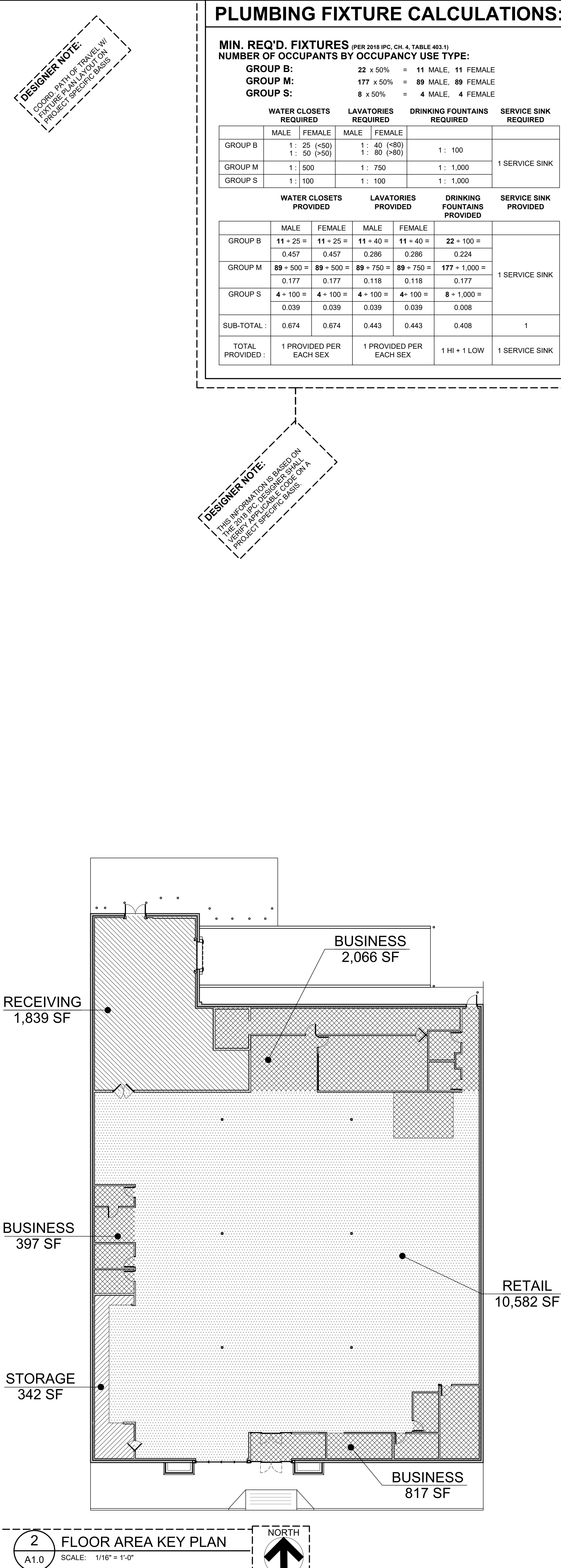
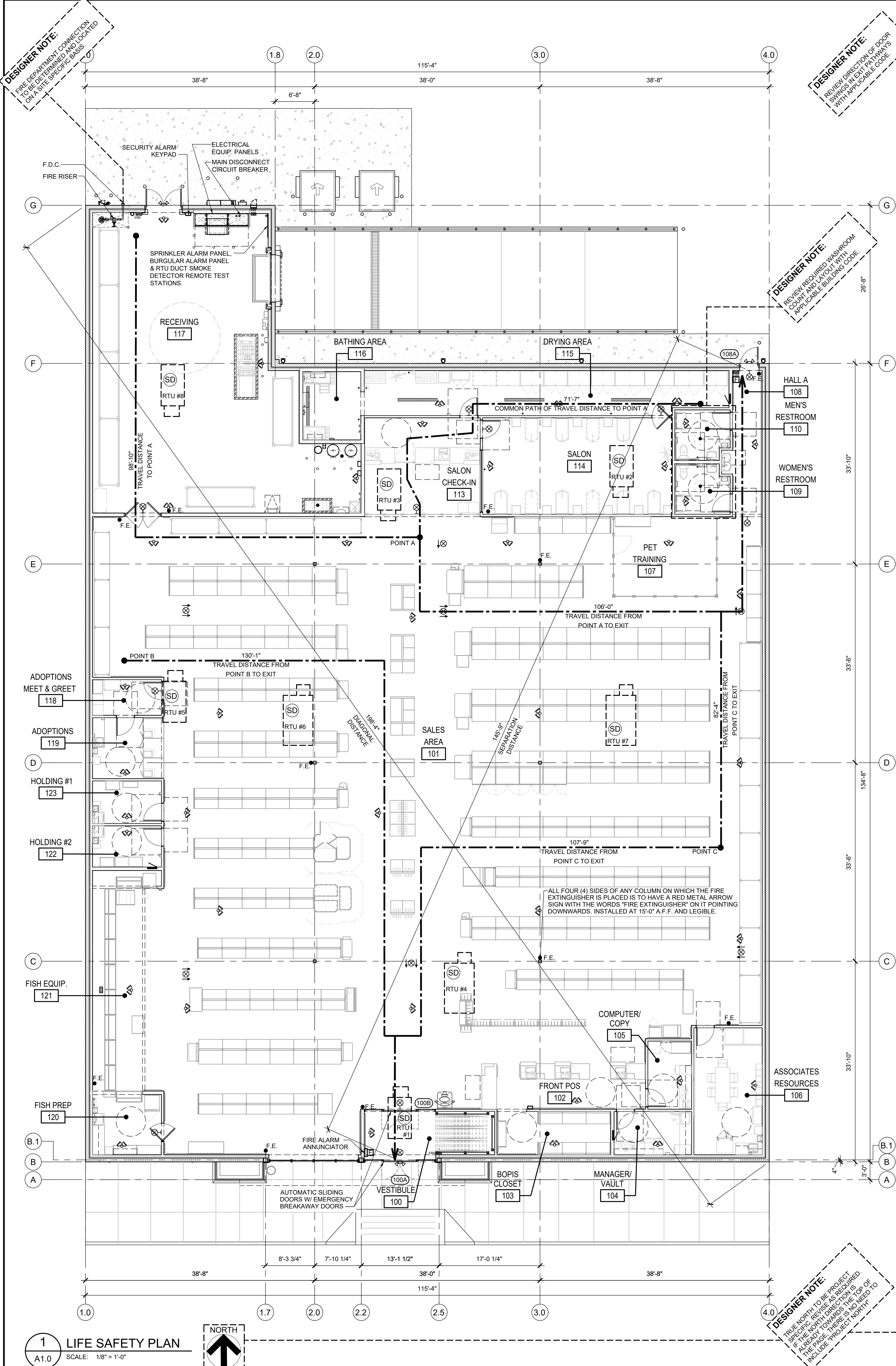
ARCHITECTURAL
GENERAL KEY NOTES:

- G72. WATER HEATER.
- G73. BATTERY CHARGER - MOUNT AT 3'-0" A.F.F. W/ PROVIDED HANGERS INDICATED ON DRAWING.
- G74. MOP SINK - SEE DETAIL 3A/12.0.
- G75. MOP HANGER W/ CLIPS AT 4'-6" A.F.F. PROVIDE 2X BLOCKING AS REQUIRED.
- G76. ENERGY MANAGEMENT SYSTEM NATIONAL ACCOUNT VENDOR PUSH BUTTON OVERHIDE.
- 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) CAULK ALL SEAMS W/ CLEAR SILICONE SEALANT. SEE DETAIL 2A/12.0.
- G79. 4" DIA. INTERIOR CONCRETE FILLED PIPE BOLLARD. SEE DETAIL 5A/12.0.
- G80. 48" HIGH STEEL TRACK GUARD BY LOADING DOCK EQUIPMENT VENDOR. SECURE TO FLOOR PER MANUFACTURERS RECOMMENDATIONS.
- G81. 6" PVC TUBE W/ END CAPS FOR CONSTRUCTION DOCUMENT STORAGE. G.C. TO SUPPLY AND INSTALL. G.C. TO PLACE FULL SET OF RECORD DRAWINGS IN TUBE AT COMPLETION OF PROJECT. SUPPLIED AND INSTALLED BY G.C./E.C. SEE DETAIL 6A/12.0.
- G82. ATTACH IPC POWER PANELS TO WALL PER MFR. INSTRUCTIONS. ATTACH X-MFR SHELF TO VENDOR PROVIDED BRACKET. SECURE BRACKET TO WALL PER WALL TYPE DETAIL W13.
- G83. MAXIMUM SPACE ALLOWED FOR FIRE PROTECTION & DOMESTIC WATER.
- G84. SELF CONTAINED PORTABLE EYEWASH BY OTHERS.
- G85. FIRE RISER/SPRINKLER SYSTEM SHUTOFF VALVE.
- G86. MUSIC EQUIPMENT BOARD BY OTHERS.
- G87. MECHANICAL. GRILLE, FACTORY FINISH WHITE (DO NOT PAINT) - SEE MECHANICAL PLANS. LOCATED AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED.
- G88. TIMER SWITCHES.
- G89. GYPERSMOK BOARD CONTROL JOINT AT THIS LOCATION. INSTALL PER SPECIFICATIONS.
- G90. CONCRETE BLOCK WALL.
- G91. SINGLEPLEX RECEPTACLE.
- G92. PHONE BOARD.
- G93. EXPOSED PIPING - DO NOT PAINT.
- G94. PLUMBING VALVES (SURFACE MOUNTED).
- G95. CONCRETE CURB INTEGRAL WITH SLAB ON GRADE.
- G96. WATER HEATER EXPANSION TANK, WALL MOUNTED.
- G97. TILE TO EXTEND TO EDGE OF TRAINING FIXTURE. INSTALL TILE AFTER TRAINING FIXTURE IS ON SITE AND EXACT LOCATION CAN BE FIELD VERIFIED.
- G98. FRAMED MIRROR - SUPPLIED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR - SEE INTERIOR ELEVATIONS.
- G99. CAGES (BY OTHERS).
- G100. BENCHES - FURNISHED AND INSTALLED BY OTHERS.
- G101. LEASH BAR - FURNISHED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
- G102. SHELF FOR BATHING BUNKER INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR FOR PETSMART.
- G103. 5' x 16" STAINLESS STEEL SHELF FOR BATHROOM AND DRINKING FOUNTAIN. SEE MATERIAL AND PRODUCT SCHEDULE ON SHEET F2.0. PROVIDE BLOCKING IN WALL. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
- G104. MASTER BLASTER HANGING CLIPS TO BE FURNISHED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR.
- G105. OUTLINE OF 3/4" PLYWOOD BLOCKING, SEE BLOCKING SCHEDULE.
- G106. LIGHTING IN RECEIVING AREA MOUNTED ABOVE THE BOTTOM CHORD OF STEEL JOISTS.
- G107. FORKLIFT TURNING RADIUS, 12' DIAMETER.
- G108. SOLAR WINDOW SHADES - SEE MATERIAL & PRODUCT SCHEDULE. INSTALLED FROM TOP OF WINDOW TO TOP OF HORIZONTAL MULLION 7'-8" A.F.F. AT AUTO SLIDER TRANSOM AND FROM TOP OF WINDOW TO SILL AT FULL HEIGHT WINDOWS - SEE DETAIL 13A/6.1.
- G109. LOCKERS PROVIDED AND INSTALLED BY OTHERS.
- G110. BIRD DETERRENT SHOCK TRACK SYSTEM CHARGER BY NIXALITE OF AMERICA, INC. SUPPLIED BY NATIONAL ACCOUNT LIGHTING VENDOR (SEE MATERIAL & PRODUCT SCHEDULE). INSTALL PER MANUFACTURERS RECOMMENDATIONS. MOUNT TOP AT 7'-6" A.F.F.
- G111. MECHANICAL DUCT DROP. PAINT TO MATCH C-1. HOLD TIGHT TO BOTTOM OF ROOF STRUCTURE - SEE MECHANICAL DRAWINGS.
- G112. AREA TO REMAIN CLEAR FOR NATIONAL ACCOUNT DECOR GRAPHICS PROVIDED AND INSTALLED BY OTHERS.
- G113. ROOM SIGNAGE - SEE HARDWARE SCHEDULE.
- G114. DOOR STOP - SEE HARDWARE SCHEDULE.
- G115. EMERGENCY BATTERY UNIT - SEE ELECTRICAL DRAWINGS.
- G116. CAULK TOP AND VERTICAL EXPOSED EDGES OF CERAMIC TILE WITH LIMESTONE COLORED SIKAFLEX 1A.
- G117. ROOF ACCESS LADDER - PAINT YELLOW - SEE 1A/12.0.
- G118. WALL MOUNTED LIGHT FIXTURE - SEE ELECT. DWGS.
- G119. VERTICAL STORING HYDRAULIC PIT LEVELER.
- G120. DOCK LEVELER CONTROL BOX.
- G121. PROPORTIONER SOAP DISPENSER
- G122. DOCK LEVELER PIT STEEL ANGLE - PAINT YELLOW
- G123. STAINLESS STEEL SHELF FOR FISH PREP. PROVIDED BY NATIONAL ACCOUNT VENDOR. SEE MATERIAL AND PRODUCT SCHEDULE ON SHEET F2.0. PROVIDE BLOCKING IN WALL.
- G124. FIRE SAFETY PLAN.
- G125. INSTALL SIGNAGE "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS" ABOVE BOTH INTERIOR AND EXTERIOR SLIDERS.
- G126. 3" PVC, NIPPLE THROUGH WALL. TOP OF NIPPLE/PIPE INSTALLED IN LINE WITH AND 1" BELOW BOTTOM CHORD OF BAR JOIST. PAINT TO MATCH WALL COLOR.
- G127. PROVIDE 4" CONCRETE HOUSEKEEPING PAD FOR EQUIPMENT.
- G128. MILLWORK SPACER PANEL (NATIONAL ACCOUNT MILLWORK VENDOR)
- G129. SURFACE MOUNTED CART BUMPER +6" AND +2'-6" TO CENTERLINE (FURNISHED AND INSTALLED BY NATIONAL ACCOUNT MILLWORK VENDOR)

ARCHITECTURAL
EXTERIOR KEY NOTES:

- X1. SIDEWALK
- X2. SIDEWALK CONTROL JOINT - 1/4" MAX. TOOLED JOINT. LOCATE WHERE INDICATED ON DRAWING.
- X3. SIDEWALK EXPANSION JOINT. LOCATE WHERE INDICATED ON PLAN (20'-0" O.C. MAX.) - SEE STRUCT. DWGS.
- X4. 1/2" EXPANSION JOINT WITH TRAFFIC SEALANT
- X5. ADA ACCESSIBLE RAMP. PROVIDE ADA COMPLIANT TACTILE WARNING.
- X6. CONCRETE CURB (DO NOT PAINT) - SEE DETAIL 6A/10.0.
- X7. FLUSH CONDITION AT DOOR. PROVIDE 2% MAX. SLOPE AWAY FROM DOOR. SEE ADA ACCESSIBILITY NOTES ON SHEET A0.2.
- X8. SURFACE MOUNT OUTLET WITH WATERPROOF COVER @ 60" A.F.F. - NO EXPOSED CONDUIT
- X9. ASHTRASH CAN BY G.C. - SEE MATERIAL & PRODUCT SCHEDULE ON SHEET F2.0.
- X10. RECESSED HOSE BIBB AT 28" A.F.G.
- X11. PUSH BUTTON FOR BUZZER SURFACE MOUNTED AT BRAKE METAL WRAPPED COLUMN AT STOREFRONT (NO EXPOSED CONDUIT) - SEE ELECTRICAL DWGS.
- X12. 6" DIA. CONCRETE FILLED PIPE BOLLARD - SEE DETAIL 5A/12.0.
- X13. CANOPY - PREFINISHED STEEL PLATE AWNING / EYEBROW - SEE WALL SECTIONS ON SHEET A10.0 AND STRUCT. DWGS.
- X14. GAS METER
- X15. ELECTRIC METER
- X16. ELECTRICAL TRANSFORMER ON CONCRETE PAD
- X17. DUMPSTER PAD - SEE STRUCT. DWGS.
- X18. TRASH CONTAINERS BY OTHERS. VERIFY REQUIRED CLEARANCE W/ TRASH SERVICE PROVIDER.
- X19. TRUCK DOCK SLAB - SEE STRUCT. DWGS.
- X20. RETAINING WALL - SEE STRUCT. DWGS. EXTEND TO 6" ABOVE FINISHED GRADE.
- X21. 3'-0" HIGH CHAIN LINK FENCE (TOP OF FENCE TO BE 3'-6" ABOVE FINISH GRADE) ON RETAINING WALL. PROVIDE INTERMEDIATE POSTS AT 5'-0" O.C. MAXIMUM CHAIN LINK FENCE TO RUN FULL LENGTH OF RETAINING WALL.
- X22. PROVIDE CONCRETE PAD AT EXIT DOOR. 4'-0" X 7'-0" COORDINATE W/ CIVIL PLANS.
- X23. DOCK BUMPER AND SEAL.
- X24. BUILDING ADDRESS EXAMPLE ON FRONT ELEVATION. MINIMUM 12" HIGH ADDRESS NUMBERS SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR AT THE FRONT ENTRANCE AND SERVICE ENTRANCE OF THE STORE PER LOCAL REQUIREMENTS. FINAL DETERMINATION ON SIZE, COLOR AND EXACT LOCATION MAY BE ENFORCED BY LOCAL GOVERNMENTAL AUTHORITIES.
- X25. 3/8" GALVANIZED EYEBOLTS FOR (2) BANNERS ATTACHMENT. G.C. TO PURCHASE TEMPORARY BANNERS AT START OF CONSTRUCTION. INSTALL BANNERS AS SOON AS POSSIBLE.
- X26. SIGNAGE PACKAGE UNDER SEPARATE CONTRACT BY PETSMART. G.C. TO COORDINATE LOCATION OF ALL REQUIRED POWER AND J-BOXES, PLYWOOD BACKING, EXACT SIZE AND CONFIGURATION BY SIGNAGE CONTRACTOR. FINAL CONNECTION TO SIGN BY G.C.
- X27. LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
- X28. EMERGENCY LIGHT - SEE ELECTRICAL DRAWINGS.
- X29. 1" WIDE X 1/2" DEEP E.I.F. S. "V" GROOVE
- X30. PROVIDE HIGH IMPACT MESH @ E.I.F. S. FOR HEIGHT INDICATED.
- X31. ALUMINUM BREAK METAL COVER OVER STEEL TUBE FRAMING AT STOREFRONT - COLOR TO MATCH SF-1.
- X32. MASONRY CONTROL JOINT - SEE DETAIL 18A/12.0
- X33. PAINT GRIP GALVANIZED METAL COPING - SEE ELEVATIONS FOR COLOR.
- X34. FRY VENT SV-75-V-300/EIFS. PAINT TO MATCH SOFFIT.
- X35. NATURAL GAS PIPING ON ROOF. REFER TO DETAIL 5P/2.0 FOR SLEEPER SUPPORT AND TO PLUMBING DRAWINGS.
- X36. ROOF LINE BEYOND
- X37. SINGLE PLY ROOF MEMBRANE FLASHING AT BACKSIDE OF PARAPET.
- X38. ROOF WALK PAD.
- X39. ROOFTOP EQUIPMENT BEYOND - SEE MECHANICAL DRAWINGS.
- X40. R.T.U. TO BE LOCATED 10'-0" MIN. FROM ROOF PERIMETER WHERE PARAPET IS LESS THAN 42" ABOVE ROOF. 5'-0" MIN. WHERE PARAPET IS 42" OR GREATER ABOVE ROOF.
- X41. EXHAUST FAN TO BE LOCATED A MINIMUM OF 10'-0" FROM R.T.U. INTAKE AND 10'-0" MIN. FROM ROOF PERIMETER WHERE PARAPET IS LESS THAN 42" ABOVE ROOF. 5'-0" MIN. WHERE PARAPET IS 42" OR GREATER ABOVE ROOF.
- X42. VENT TO BE LOCATED A MINIMUM OF 10'-0" FROM R.T.U. AIR INTAKE AND 5'-0" MIN. FROM ROOF PERIMETER - SEE PLUMBING DWGS.
- X43. ROOF CRICKET - SLOPE AT 1/4" PER FOOT MINIMUM.
- X44. ROOF HATCH - SEE DETAIL 1A/12.0
- X45. ROOF HYDRANT - SEE PLUMBING DWGS.
- X46. OUTLINE OF EXTERIOR VINYL GRAPHICS (10'X20").
- X47. OUTDOOR SENSOR ASSEMBLY- PAINT WHITE - SEE SHEET EM1
- X48. GUTTER AND DOWNSPOUT - SEE DETAIL 6A/5.0.
- X49. HIGH POINT OF GUTTER - SLOPE OF A MIN. OF 1/16" PER FOOT.
- X50. ACCESS BOX FOR MOBILE GENER

A0.2A



PLUMBING FIXTURE CALCULATIONS:

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

GROUP B:	22 x 50% =	11 MALE, 11 FEMALE
GROUP M:	177 x 50% =	89 MALE, 89 FEMALE
GROUP S:	8 x 50% =	4 MALE, 4 FEMALE

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

	WATER CLOSETS PROVIDED		LAVATORIES PROVIDED		DRINKING FOUNTAINS PROVIDED		SERVICE SINK PROVIDED
	MALE	FEMALE	MALE	FEMALE			
GROUP B	11 x 25 =	11 x 25 =	11 x 40 =	11 x 40 =	22 x 100 =		
	0.457	0.457	0.286	0.286	0.224		
GROUP M	89 x 500 =	89 x 500 =	89 x 750 =	89 x 750 =	177 x 1,000 =		1 SERVICE SINK
	0.177	0.177	0.118	0.118	0.177		
GROUP S	4 x 100 =	4 x 100 =	4 x 100 =	4 x 100 =	8 x 1,000 =		
	0.039	0.039	0.039	0.039	0.008		
SUB-TOTAL:	0.674	0.674	0.443	0.443	0.408		1
TOTAL PROVIDED:	1 PROVIDED PER EACH SEX	1 PROVIDED PER EACH SEX	1 PROVIDED PER EACH SEX	1 HI + 1 LOW	1 SERVICE SINK		

- ### GENERAL-LIFE SAFETY NOTES:
- ALLOWABLE TRAVEL DISTANCE IS 250'-0" MAX.
 - EXIT ACCESS DOORS SHALL BE PLACED SO THAT THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-HALF (1/2) OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.
 - BUILDING SHALL BE FULLY SPRINKLERED
 - GENERAL CONTRACTOR WILL FURNISH AND INSTALL UP TO A MINIMUM OF (1) 10 LB (SHOWN IN RECEIVING NEAR SALES FLOOR DOOR) AND (10) EACH 8.5 LB MULTIPURPOSE DRY CHEMICAL (2A 10BC) RATED FIRE EXTINGUISHERS WITH MOUNTING BRACKETS AND ACCESSORIES AT 4'-0" A.F.F. AS REQUIRED BY GOVERNMENTAL AUTHORITIES. MAXIMUM TRAVEL DISTANCE OF 75'-0" FOR PLACEMENT. PROVIDE RED METAL ARROW SIGNAGE ATTACHED WITH SCREWS AT EACH EXTINGUISHER. A COLUMN ON WHICH THE FIRE EXTINGUISHER IS PLACED IS TO SIGNAGE WITH THE WORDS "FIRE EXTINGUISHER" ON IT POINTING DOWNWARDS ON ALL FOUR (4) SIDES. EXTINGUISHERS SHALL CARRY AN EXPIRATION DATE OF ONE YEAR BEYOND THE DATE OF BUILDING TURNOVER. LOCATION SHOWN ON DRAWINGS FOR GENERAL REPRESENTATION. COORDINATE ACTUAL PLACEMENT OF FIRE EXTINGUISHERS WITH PETSMAART CONSTRUCTION MANAGER AND FIRE MARSHALL.
- ### SPRINKLER DESIGN CRITERIA:
- PROVIDE WET PIPE AUTOMATIC SPRINKLER SYSTEM CONFORMING TO THE FOLLOWING CRITERIA:
- ALL AREAS EXCEPT RECEIVING: N.F.P.A. 13
 - CLASS IV COMMODITY SHELF STORAGE: 12'-0" MAX. STORAGE MINIMUM K-FACTOR = 5.6
 - MINIMUM HAZARD GROUP 2 DENSITY OF 0.20 G.P.M./S.F. OVER THE MOST REMOTE 1,500 S.F. 250 G.P.M. HOSE ALLOWANCE REQUIRED
- RECEIVING AREA: N.F.P.A. 13
- CLASS IV COMMODITY (NON-ENCAPSULATED) SINGLE ROW RACKS, 18'-0" MAX. STORAGE 8'-0" AISLE, HIGH TEMP. SPRINKLERS MINIMUM K-FACTOR = 11.2
 - DENSITY OF 0.22 G.P.M./S.F. OVER THE MOST REMOTE 2,000 S.F. 500 G.P.M. HOSE ALLOWANCE REQUIRED
- THE FIRE PROTECTION CONTRACTOR SHALL PERFORM, AS PART OF CONTRACT, A WATER FLOW TEST AT FIRE HYDRANT'S NEAREST FIRE RISER SUPPLY LINE CONNECTION TO CITY WATER MAINS. TEST SHALL BE CONDUCTED PER MUNICIPALITY AND WATER DEPARTMENT REQUIREMENTS. TEST SHALL BE WITNESSED BY ALL AUTHORITIES HAVING JURISDICTION.
 - REFER TO FIRE SPRINKLER SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - SYSTEM SHALL MEET ANY ADDITIONAL APPLICABLE REQUIREMENTS OF N.F.P.A., LOCAL CODES, OWNER AND INSURANCE CARRIER.
 - INFORMATION STATED ABOVE DOES NOT RELIEVE FIRE PROTECTION CONTRACTOR FROM PROVIDING A COMPLETE AUTOMATIC SPRINKLER SYSTEM, INCLUDING ANY REQUIRED EQUIPMENT (FIRE PUMP, ETC.) TO COMPENSATE FOR INADEQUATE PRESSURE, AS REQUIRED BY CODE AND ALL PARTIES HAVING JURISDICTION.
 - THE USE OF SPRINKLER HEADS EQUIPPED WITH "O" RING SEAL SHALL BE PROHIBITED (NO EXCEPTIONS).
 - CENTRAL STATION SUPERVISION DEVICE SHALL BE PROVIDED.
 - THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE PLANS, SHOP DRAWINGS, AND HYDRAULIC CALCULATIONS, SIGNED AND SEALED BY THE FIRE PROTECTION (F.P.) PROFESSIONAL OF RECORD, TO ALL STATE AND LOCAL AUTHORITIES HAVING JURISDICTION, TO THE CITY, THE FIRE DEPARTMENT, THE ENGINEER/ARCHITECT PROFESSIONAL OF RECORD, AND TO THE PETSMAART REPRESENTATIVE FOR REVIEW AS SOON AS POSSIBLE AFTER CONTRACT AWARD. MINIMUM SAFETY MARGIN OF 10% OR PSIG REQUIRED WATER PRESSURE VS. AVAILABLE WATER PRESSURE SHALL BE PROVIDED IN HYDRAULIC CALCULATIONS. THE FIRE PROTECTION PROFESSIONAL OF RECORD SHALL BE RETAINED AND PAID FOR BY THE FIRE SPRINKLER CONTRACTOR.
 - PROVIDE BACKFLOW PREVENTER TO MEET THE REQUIREMENTS LISTED ABOVE WHERE REQUIRED BY CODE.
 - FIRE RISER SHALL BE LOCATED AS INDICATED ON PLAN. PROVIDE VERTICALLY MOUNTED RISER ASSEMBLY UNLESS PROHIBITED BY CODE.
 - PROVIDE INSPECTOR TEST CONNECTION WHEN REQUIRED.
 - LOCATE ALL SPRINKLER PIPING AS HIGH AS POSSIBLE. SPRINKLER PIPING SHALL NOT BE INSTALLED BELOW BOTTOM OF STEEL JOISTS AND GIRDERS. NO EXCEPTIONS.
 - COORDINATE LOCATIONS OF FDC CONNECTIONS, INSPECTOR'S TEST VALVES AND SYSTEM DRAINS WITH FUTURE PLAN. FINAL LOCATION APPROVAL BY PETSMAART CONSTRUCTION MANAGER.
 - SPRINKLER HEADS TO BE LOCATED IN CENTER OF CEILING TILE.
 - CONTRACTOR TO INSTALL A HYDRAULIC SYSTEM PLACARD ON THE PETSMAART FIRE RISER AT THE END OF THE PROJECT.

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

EXITING & ALLOWABLE AREA:

BUILDING SET BACKS:

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

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

	AREA (SQ. FT.)
BUSINESS	3,280
MERCANTILE (RETAIL)	10,582
STORAGE	342
STORAGE (RECEIVING)	1,839
OCCUPANCY SQ. FOOTAGE GRAND TOTAL	16,043

OCCUPANT LOAD BREAKDOWN

OCCUPANCY TYPE	AREA (SQ. FT.)	LOAD FACTOR	OCCUPANCY
BUSINESS (GROUP B)	3,280	150	21.87
RETAIL (GROUP M)	10,582	60	176.37
RECEIVING/STORAGE (GROUP S)	2,181	300	7.27
OCCUPANT LOAD TOTAL:			205.50

EXITS: (PER TABLE 1006.3.2)

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

EXITS REQUIRED: 2 (PER SECTION 1006.3.2)

EXIT WIDTH: (PER SECTION 1006.3.2)

208 OCCUPANTS X 20 INCHES/OCCUPANT	= 41.5 3'-5 1/2"
DOOR #100A = 5'-0"	REQUIRED: 3'-5 1/2"
DOOR #100B = 5'-0"	PROVIDED: 7'-10"
DOOR #100A = 2'-10" x 50% x 3'-5 1/2"	THEREFORE OK

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

PROJECT: 16K 2025 US INSTRUCTION SET

ARCHITECT: FEBRUARY 12, 2025

CONSULTANT:

SEAL:

CITY SEAL:

DISCLAIMER: THIS DRAWING AND DESIGN IN COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY PETSMAART. 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:

#	DESCRIPTION	DATE

PROJECT NO: 16K 2025 US INSTRUCTION SET

ORIGINAL SCALE: AS INDICATED

DRAWN BY: XXXX

CHECKED BY: XXXX

PAGE #: 06 OF 47

DISCIPLINE: ARCHITECTURAL

TITLE: LIFE SAFETY PLAN

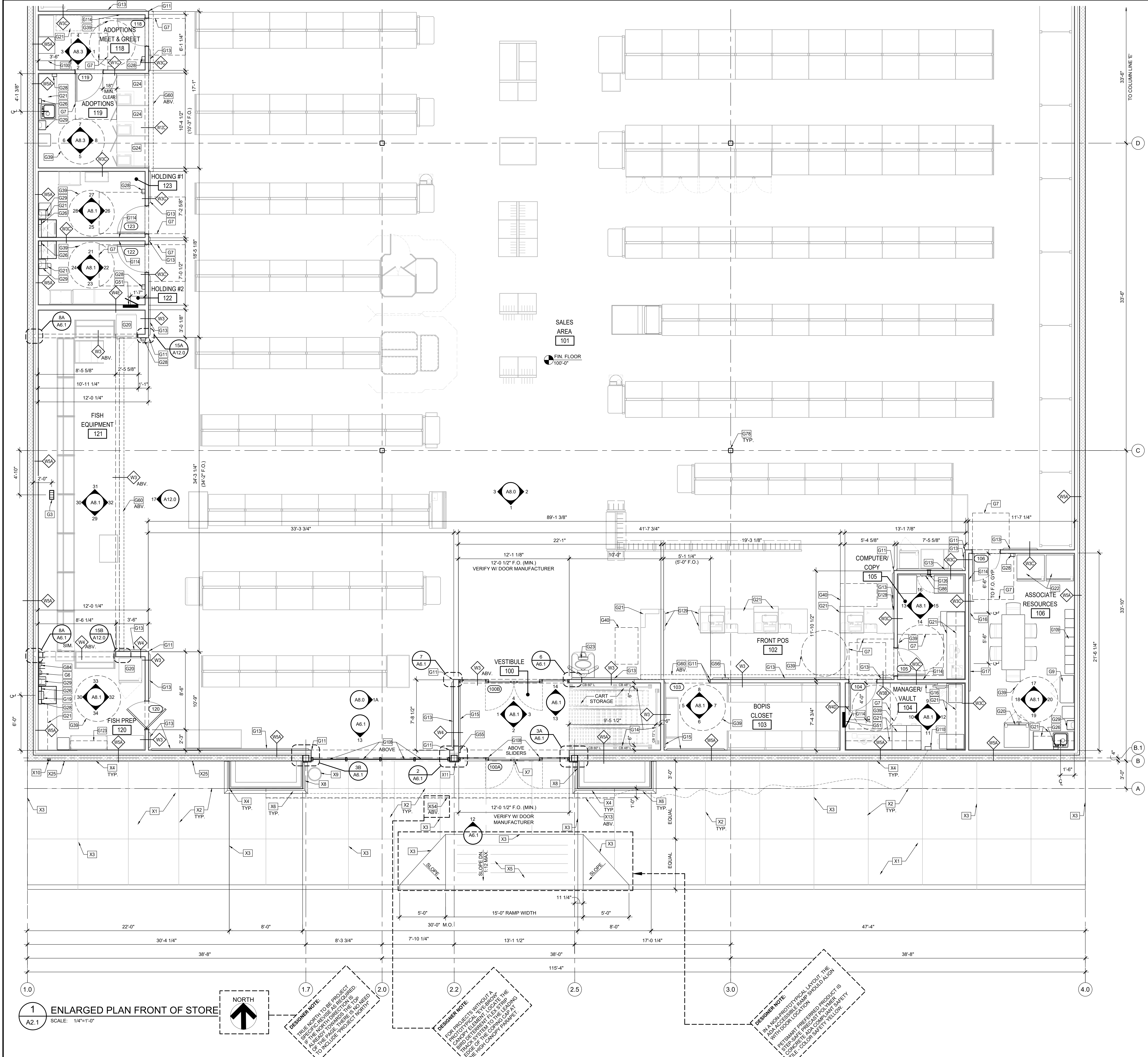
SHEET NUMBER: A1.0

DESIGNER NOTE: PROVIDE ANY BOX WHEN PROPOSED FOR LOCAL JURISDICTION WITH LOCAL AHJ APPROVAL.

DESIGNER NOTE: UPDATE THESE TABLES ONLY WITH THE PROJECT SPECIFIC DETAILS. THE REMAINDER OF THE TABLES AND DATA REMAINS UNCHANGED.

DESIGNER NOTE: THIS INFORMATION IS BASED ON THE SHOWN DIMENSIONS AND IS NOT TO BE USED FOR ANY OTHER PURPOSES.

PROJECT:																																			
CONSULTANT:																																			
DRAWING TITLE: PETSMART 19601 North 27th Avenue Phoenix, Arizona 85027 - (623) 580-6100																																			
PROJECT DESCRIPTION: 16K 2025 US INSTRUCTION SET																																			
DATE: FEBRUARY 12, 2025																																			
DESIGNER:																																			
CHECKED BY:																																			
SCALE:																																			
SHEET NUMBER:																																			
DISCLAIMER: 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:																																			
<table><thead><tr><th>ID</th><th>DESCRIPTION</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>			ID	DESCRIPTION	DATE																														
ID	DESCRIPTION	DATE																																	
PROJECT NO: 16K 2025 US INSTRUCTION SET																																			
ORIGINAL SCALE: AS INDICATED		IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE 1"																																	
DRAWN BY:	XXX																																		
CHECKED BY:	XXX																																		
SHEET NO.: 07 OF: 47																																			
DISCIPLINE: ARCHITECTURAL																																			
TITLE: FLOOR FINISH PLAN																																			
SHEET NUMBER: A2.0																																			



GENERAL NOTES:

- SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.
- NO VISIBLE FLOOR CUTS ACCEPTABLE AT ANY LOCATIONS. UNLESS APPROVED BY PETSMART CONSTRUCTION MANAGER.
- ALL INTERIOR PARTITION DIMENSIONS ARE TO FACE OF STUD OR INTERIOR FACE OF EXTERIOR CMU/CONC. WALL UNLESS NOTED OTHERWISE.
- ALL WALLS BEHIND MILLWORK SHALL HAVE FINAL FINISH PRIOR TO INSTALLATION. ALL FLOORING FINISH MATERIAL SHALL BE INSTALLED PRIOR TO MILLWORK INSTALLATION.
- SEALANTS TO BE SAME COLOR AS ADJACENT SURFACE UNLESS NOTED OTHERWISE.
- ASSUMED FINISH FLOOR ELEVATION WITH THE ARCHITECTURAL DRAWINGS IS SHOWN AS 100'-0".
- FOR ALL DOORS REQUIRING WALL MOUNTED DOOR STOPS, PROVIDE PLYWOOD BLOCKING PER BLOCKING SCHEDULE.
- SEALANT IN ALL WET AREAS TO BE SIKAFLEX 1A POLYURETHANE SEALANT (COLOR TO MATCH ADJACENT SURFACES)
- PROVIDE RODENT CONTROL MESH SECURED WITH EXPANDING FOAM AROUND ALL PENETRATIONS. INSTALL IN A WORKMANLIKE MANNER. SEE SPECS.
- FOR LOCATION OF DOOR JAMBS NOT SHOWN ON PLAN, SEE DETAIL 10/A6.0.
- SEE SHEET A9.0 FOR WALL TYPES.
- 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 PET CLEANUP STATIONS AS DIRECTED BY PETSMART CONSTRUCTION MANAGER.
- ALL MILLWORK IN THE SALON AREA IS SUPPLIED AND INSTALLED AS PART OF THE GENERAL CONTRACT BY THE G.C. THROUGH REQUIRED VENDOR PROGRAM WITH MILLWORK VENDOR.
- CONTRACTOR IS TO PROVIDE ALL REQUESTED SITE MEASURED DIMENSIONS FOR DECOR CONTRACTOR.
- 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 A6.0 FOR WALL TYPES) X= NUMBER IDENTIFYING WHICH WALL TYPE Y= LETTER IDENTIFYING WHICH TYPE & EXTENT OF INSULATION
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

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

16K 2025 US INSTRUCTION SET

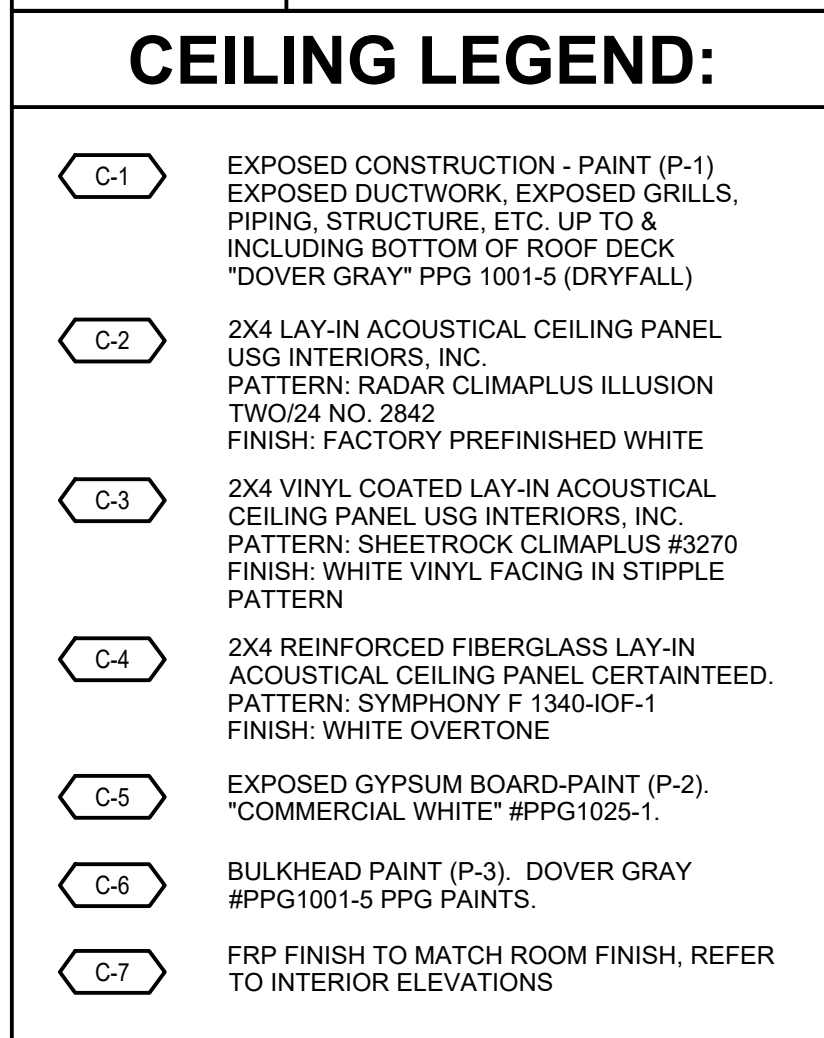
FEBRUARY 12, 2025

ENLARGED FLOOR PLANS

A2.1

ENLARGED
FLOOR
PLANS

NUMBER: **A2.2**



ARCHITECT:

CONSULTANT	
------------	--

SEAL:	
-------	--

CITY SEAL:

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

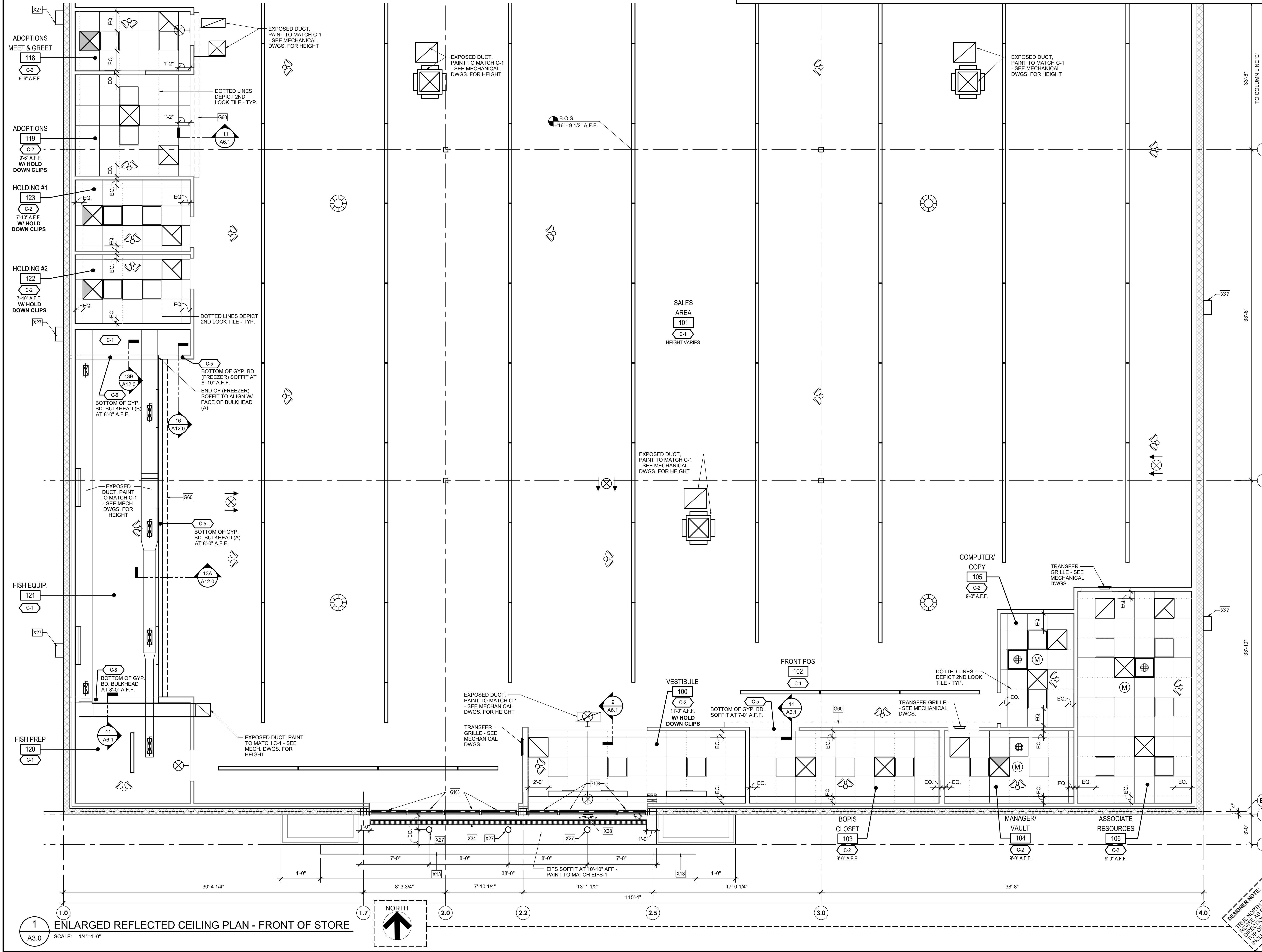
THIS DRAWING IS NOT TO BE SCALED.

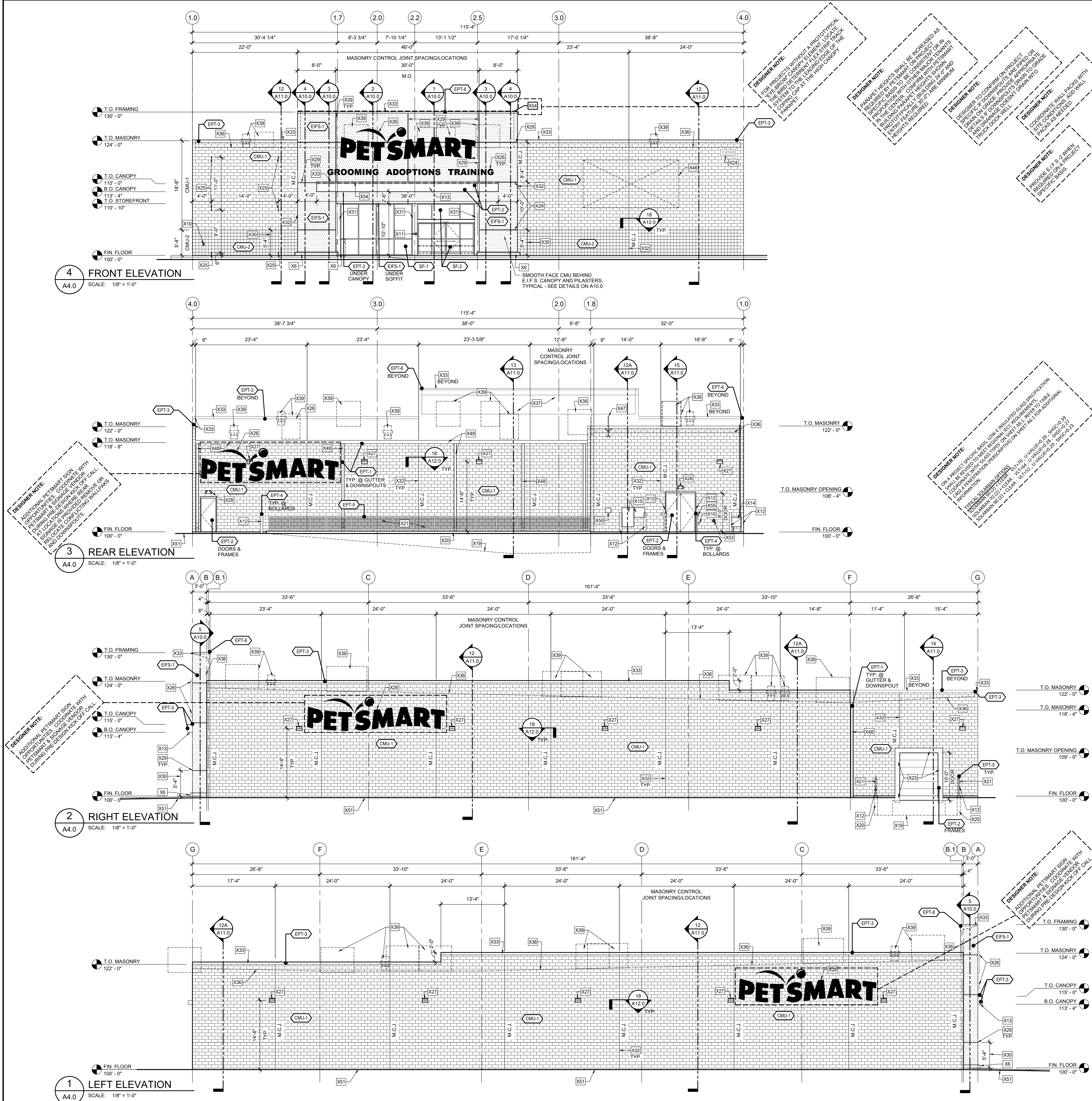
[illegible]

PROJECT NO:	16K 2025 US INSTRUCTION SET
-------------	-----------------------------

ORIGINAL SCALE AS INDICATED		IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE  1"
DRAWN BY:	XXX	
CHECKED BY:	XXX	
PAGE #:	OF:	
10	47	

DISCIPLINE:	ARCHITECTURAL
TITLE:	ENLARGED REFLECTED CEILING PLAN
SHEET NUMBER:	A3.0





GENERAL NOTES:

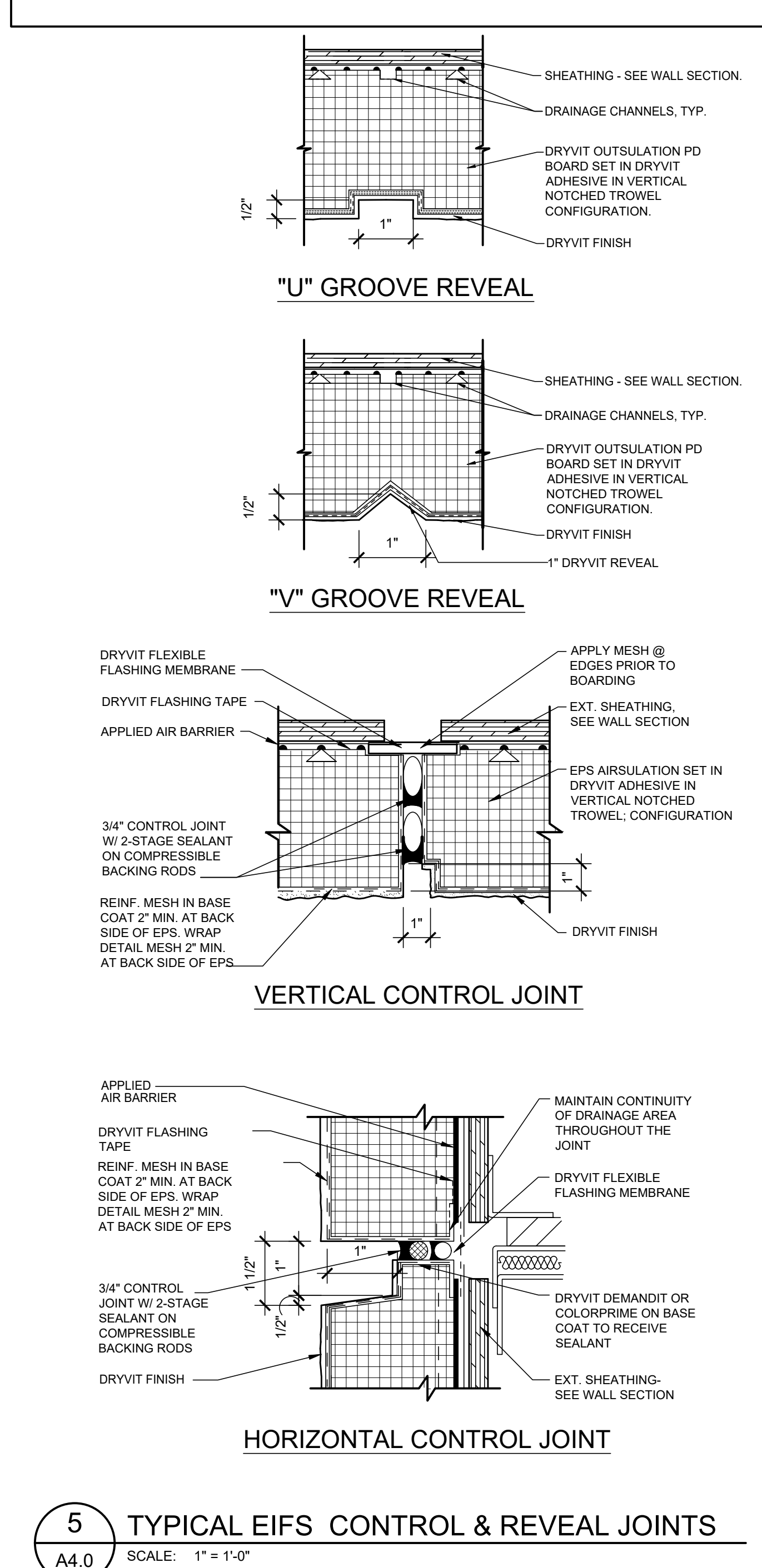
1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.

MATERIAL/FINISH SCHEDULE (EXTERIOR)

MATERIAL	FINISH COAT(S)	COLOR	
CMU-1	SMOOTH FACE CMU	2 COATS SPEEDHIDE ACRYLIC EXTERIOR FLAT - 6-610X1	PAINT PPG PAINTS #PPG1007-5 "LAZY AFTERNOON"
CMU-2	SINGLE SCORE CMU	2 COATS SPEEDHIDE ACRYLIC EXTERIOR FLAT - 6-610X1	PAINT PPG PAINTS #PPG1007-6 "COOL CHARCOAL"
EIFS-1	E.I.F.S.	2 COATS SPEEDHIDE ACRYLIC EXTERIOR FLAT - 6-610X1	PAINT PPG PAINTS #PPG1002-2 "ARCTIC COTTON" SAND FINISH
EIFS-2	E.I.F.S.	2 COATS SPEEDHIDE ACRYLIC EXTERIOR FLAT - 6-610X1	PAINT PPG PAINTS #PPG1007-5 "LAZY AFTERNOON" SAND FINISH
EPT-1	GUTTERS & DOWNSPOUTS	PAINT GRIP GALVANIZED 2 COATS PITT-TECH DIRECT-TO-METAL SEMI-GLOSS 90-1210	PAINT PPG PAINTS #PPG1007-5 "LAZY AFTERNOON"
EPT-2	DOORS & FRAMES	PAINT GRIP GALVANIZED 2 COATS PITT-TECH DIRECT-TO-METAL SEMI-GLOSS 90-1210	PAINT PPG PAINTS MATCH EXTERIOR WALL COLOR
EPT-3	COPING / STEEL PLATE	PAINT GRIP 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 #12 CLEAR (OR APPROVED EQUAL)
SF-2	AUTOMATIC SLIDING ENTRANCE DOOR W/ TRANSOM	ANODIZED FINISH (NO PAINT)	PREFINISHED CLEAR ANODIZED ALUMINUM FRAMING FINISH W/ 1" LOW-E INSULATING GLASS. PPG INDUSTRIES SOLARBAN #12 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 6-15X1
E.I.F.S.	1 COAT PPG SEAL GRIP PRIMER SEALER 17-912
PIPE BOLLARDS	1 COAT PITT-TECH DIRECT-TO-METAL PRIMER 90-712



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

PROJECT: 16K 2025 US INSTRUCTION SET

FEBRUARY 12, 2025

ARCHITECT:

CONSULTANT:

SEAL:

CITY SEAL:

DISCLAIMER:
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:
DESCRIPTION DATE

PROJECT NO: 16K 2025 US INSTRUCTION SET

ORIGINAL SCALE: AS INDICATED

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

DRAWN BY: XXXX

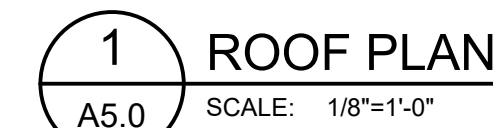
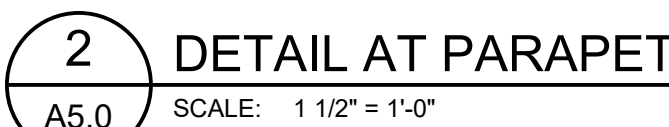
CHECKED BY: XXXX

PAGE #: 12 OF 47

DISCIPLINE: ARCHITECTURAL

TITLE: EXTERIOR ELEVATIONS

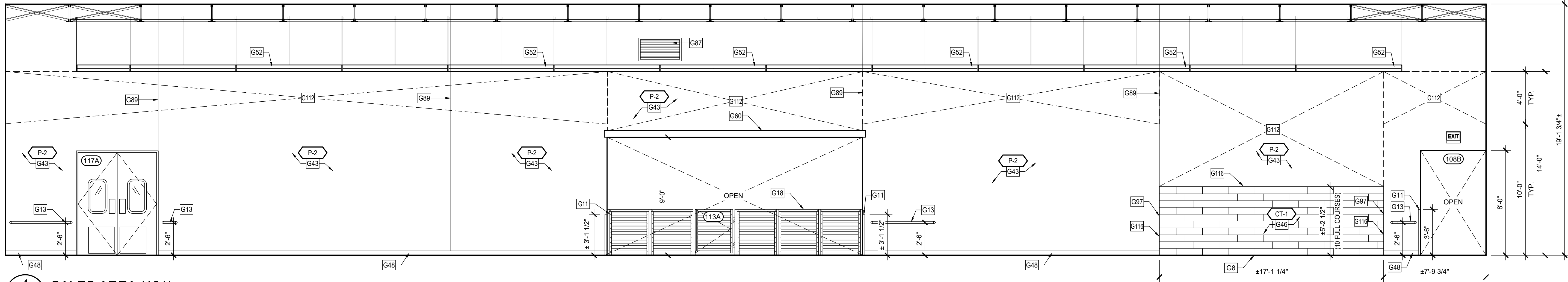
SHEET NUMBER: A4.0



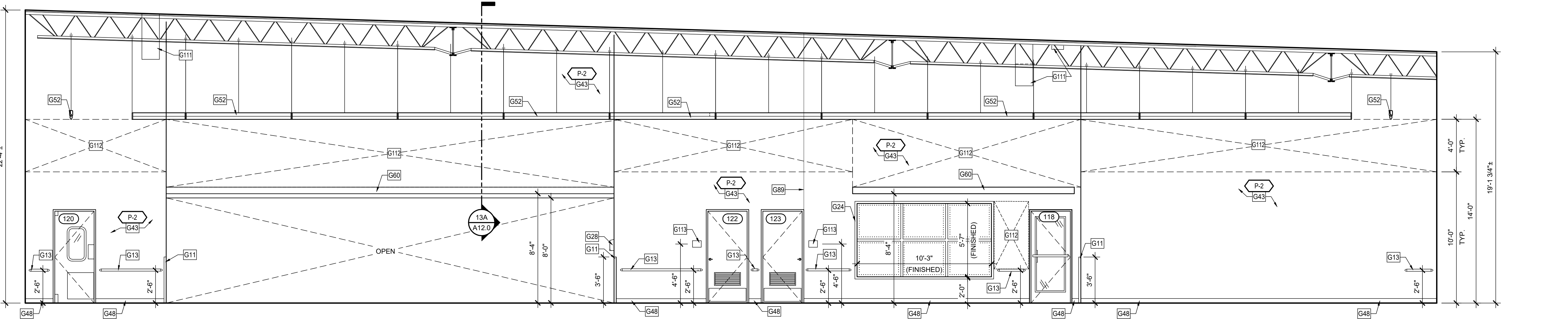
1. SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION BETWEEN THE ROOFING, ELECTRICAL AND PETSMAST SIGNAGE CONTRACTOR FOR ANY PENETRATIONS REQUIRED IN THE ROOF OR PARAPET FOR THE INSTALLATION OF SIGNAGE.
3. PAINT ALL EXPOSED COPPER CONDENSATE PIPING WHITE.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

A5.0

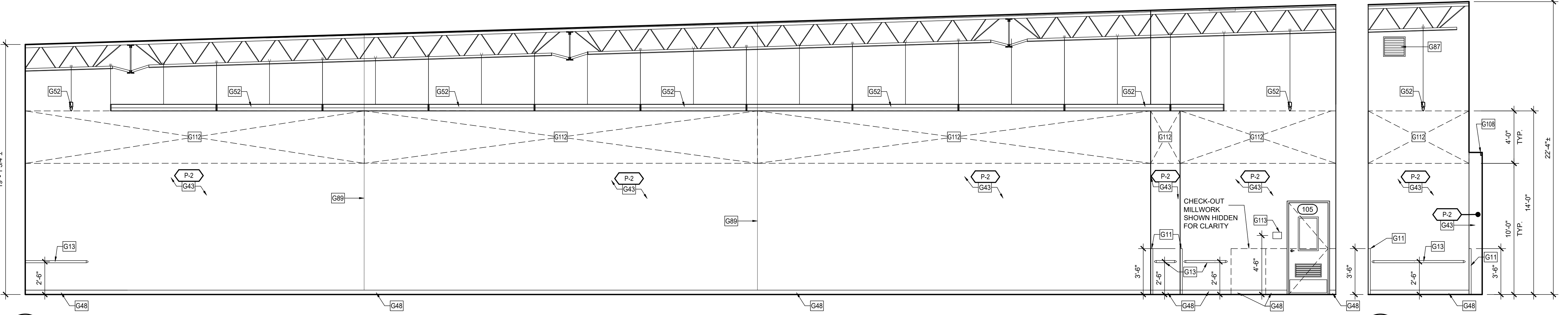
A5.0



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

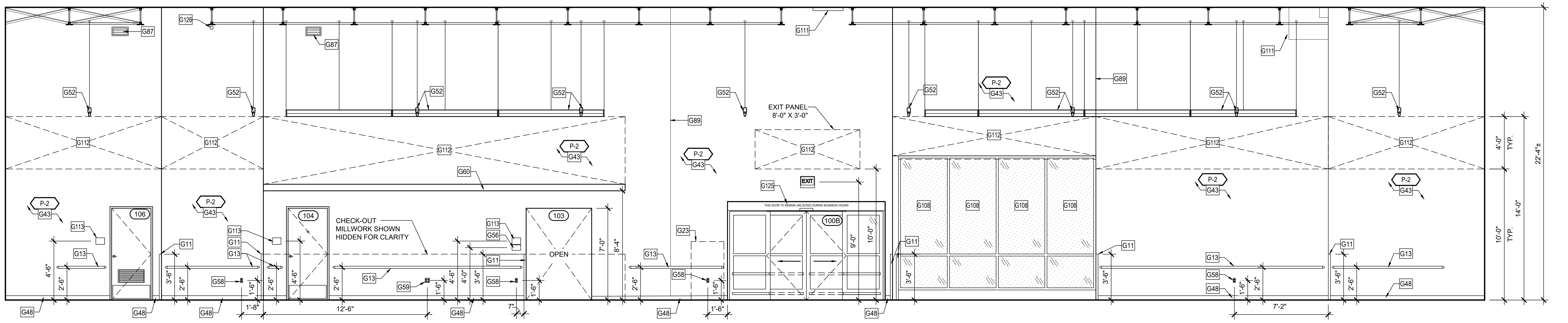


3 SALES AREA (101)
A8.0 SCALE: 1/4"=1'-0"



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

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



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

GENERAL NOTES:

- SEE SHEET A0.1 FOR ARCHITECTURAL KEY NOTES.
- FRP GENERAL NOTES:
 - MILLWORK VENDOR HIRED BY G.C. SHALL PROVIDE AND INSTALL FRP SYSTEM. IT IS THE G.C. RESPONSIBILITY TO INCLUDE THEIR PRICE IN HIS BID.
 - 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.
 - GENERAL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING MATERIAL TAKE-OFF FOR ORDERING OF THE FRP, TRIM AND BASE (MILLWORK VENDOR TO SUPPLY AND INSTALL).
 - TYPICAL LEAD TIME FOR FRP MATERIALS IS TO BE COORDINATED WITH MILLWORK VENDOR.

TILE INSTALLATION CRITERIA:

- EXPPOSED OR SHARP EDGES ARE NOT PERMITTED. FACTORY FINISHED EDGES (NOT FIELD CUT EDGES) MAY BE EXPOSED ONLY WHERE INDICATED IN THE DRAWINGS.
- THE LAYOUT OF THE TILE WAINSOT, 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 WAINSOT. UNLESS SPECIFIED START POINT OR ROOM CONFIGURATION DICTATES TILE TO BE LESS THAN 1/2 OF ONE TILE.
- IN ALL ROOMS WITH FLOOR TILE AND MATCHING WALL TILE WAINSOT AND TILE BASE, THE JOINTS OF THE FLOOR AND WALL TILES ARE TO ALIGN.

MISC. BLOCKING SCHEDULE:

ROOM NAME	ROOM NUMBER	BLOCKING FOR	MATERIAL
VESTIBULE	100	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 12/A12.0)
		CRASH RAIL	12" METAL STRAP (SEE DETAIL 12/A12.0)
SALES AREA	101	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 12/A12.0)
		DÉCOR LEDGES	3/4" X 24" PLYWOOD
		HAND SANITIZER	3/4" PLYWOOD
FRONT P.O.S.	102	DÉCOR LEDGE	3/4" X 24" PLYWOOD
BOPIS CLOSET	103	DOOR STOP	3/4" PLYWOOD
MANAGER/ VAULT	104	DOOR STOP	3/4" PLYWOOD
ASSOCIATES RESOURCES	106	PAPER TOWEL DISPENSER	3/4" PLYWOOD
		HAND SANITIZER	3/4" PLYWOOD
		DOOR STOP	3/4" PLYWOOD
HALL A	108	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 12/A12.0)
		STAINLESS STEEL SHELF	3/4" PLYWOOD
		DRINKING FOUNTAINS	2X6
WOMENS RESTROOM	109	GRAB BARS	
		TOILET PAPER DISPENSER	
		TOWEL DISPENSER	
		SANITARY NAPKIN DISPOSAL	
		HAND SANITIZER	3/4" PLYWOOD
		TOILET SEAT COVER DISPENSER	
		MIRROR	
		BABY CHANGING SHELF	
		STAINLESS STEEL SHELF	2 X 6
		CLOTHES HOOK	3/4" PLYWOOD
MENS RESTROOM	110	GRAB BARS	
		TOILET PAPER DISPENSER	
		TOWEL DISPENSER	
		HAND SANITIZER	3/4" PLYWOOD
		TOILET SEAT COVER DISPENSER	
		MIRROR	
		BABY CHANGING SHELF	
		STAINLESS STEEL SHELF	2 X 6
		CLOTHES HOOK	3/4" PLYWOOD
		DOOR STOP	3/4" PLYWOOD
SALON	114	DOOR STOP	3/4" PLYWOOD
		MASTER BLASTER DRYERS	2 X 6
		HAND SANITIZER	3/4" PLYWOOD
DRYING AREA	115	IMPACT DOOR	2X (SEE DETAIL 6/A6.0)
		SURFACE MOUNTED PIPING & FAUCETS	2 X 6
		LEASH HOLDERS	3/4" PLYWOOD
BATHING AREA	116	HYDROSURGE	30" AFF TO 78" AFF (SEE INT. ELEVATIONS)
		EYEWASH	2 X 6 (SEE DETAIL 5/A6.0)
		IMPACT DOOR	2 X 6
RECEIVING	117	CHEMICAL MIXING SYSTEM	2 X 6
		MOP HOLDER	3/4" PLYWOOD
		EYEWASH	4X (SEE DETAIL 3/A12.0)
		ROOF LADDER	
		HAND SANITIZER	3/4" PLYWOOD
ADOPTIONS MEET & GREET	118	DOOR STOP	3/4" PLYWOOD
		HAND SANITIZER	
		SOAP DISPENSER	3/4" PLYWOOD
ADOPTIONS	119	PAPER TOWEL DISPENSER	2X (SEE DETAIL 6/A6.0)
		CHEMICAL MIXING SYSTEM	2 X 6
		EYEWASH	
FISH PREP	120	HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	3/4" PLYWOOD
		HAND SANITIZER	3/4" PLYWOOD
HOLDING ROOM #2	122	SOAP DISPENSER	3/4" PLYWOOD
		PAPER TOWEL DISPENSER	
		DOOR STOP	3/4" PLYWOOD
HOLDING ROOM #1	123	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 & 12/A8.1	MANAGER/ VAULT	104	22'-0"	2 X 6	27"
11 & 12/A8.1	MANAGER/ VAULT	104	16'-0"	3/4" X 36" PLYWD	48"
11 & 12/A8.1	MANAGER/ VAULT	104	6'-0"	3/4" X 27" PLYWD	0"
14 & 15/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/A8.1	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"
23/A8.3	RECEIVING	117	3'-0"	3/4" X 36" PLYWD	48"
6 & 7/A8.3	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"
34/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 MILLWORK BLOCKING LOCATIONS & EXTENT WITH NATIONAL ACCOUNT MILLWORK VENDOR

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



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

PROJECT:

16K 2025 US
INSTRUCTION
SET

FEBRUARY 12, 2025

ARCHITECT:

CONSULTANT:

REAL:

CITY REAL:

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

ISSUED FOR:

#

DESCRIPTION

DATE

PROJECT NO:

16K 2025 US INSTRUCTION SET

ORIGINAL SCALE:

AS INDICATED

DRAWN BY:

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

CHECKED BY:

XXX

PAGE #:

OF

1"

DISCIPLINE:

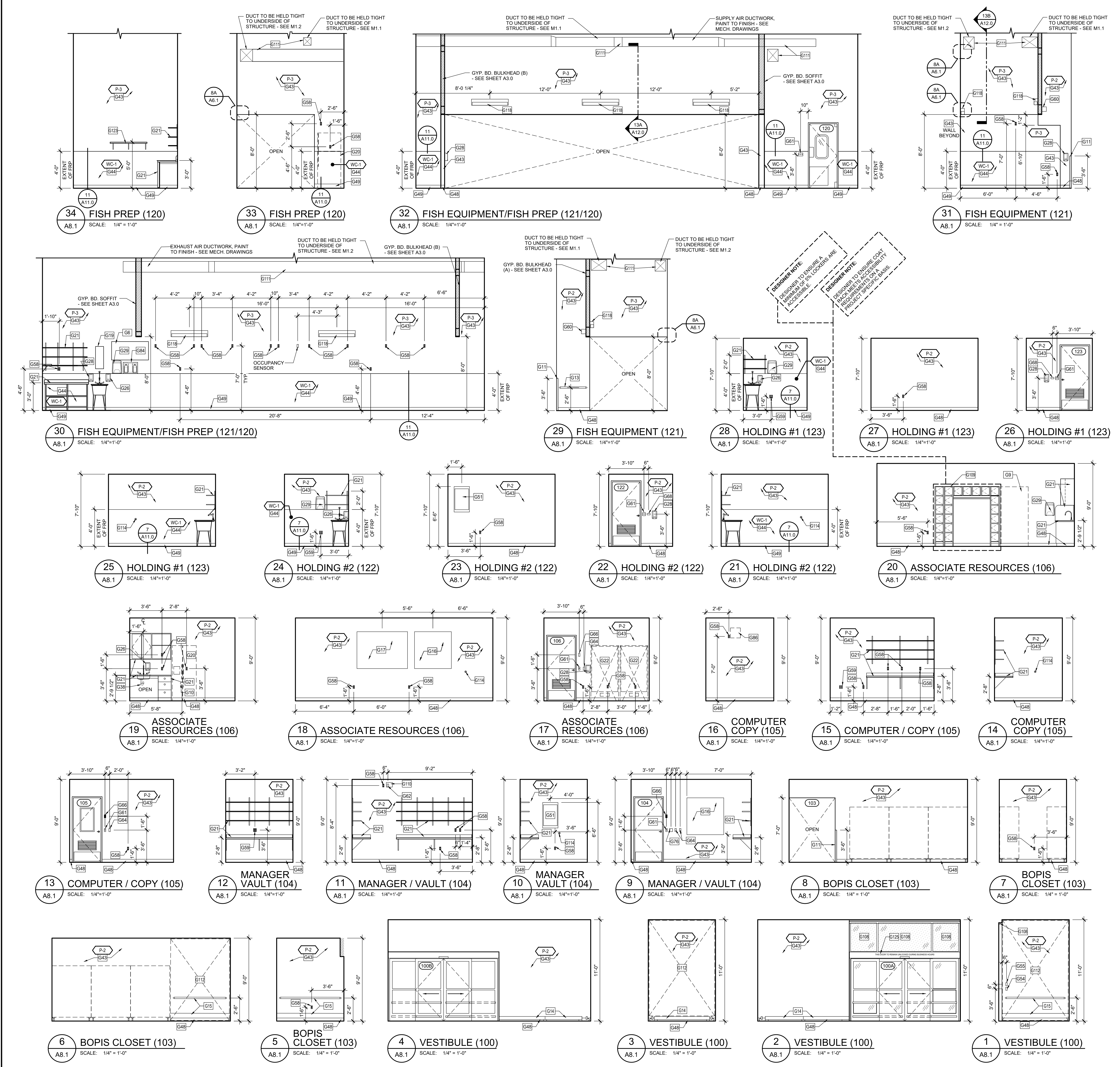
ARCHITECTURAL

TITLE:

INTERIOR
ELEVATIONS

SHEET NUMBER:

A8.0



GENERAL NOTES:

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

FRP GENERAL NOTES:

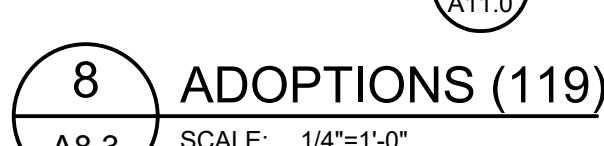
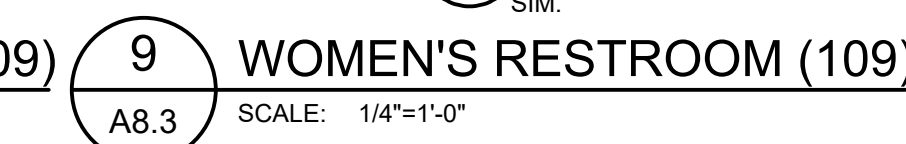
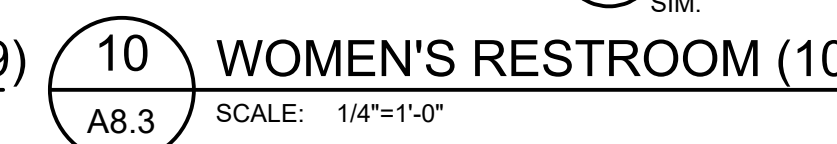
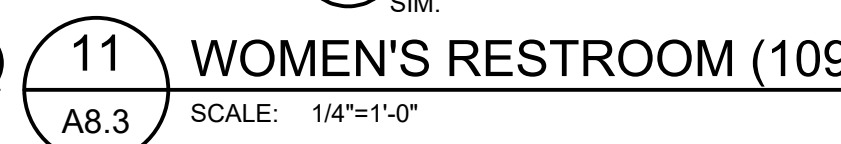
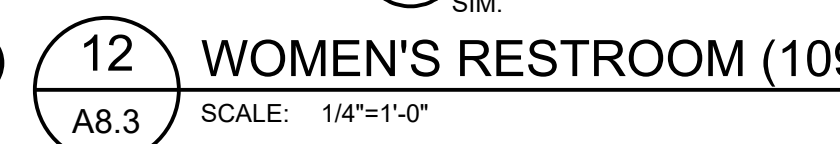
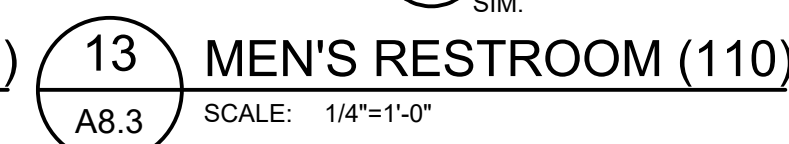
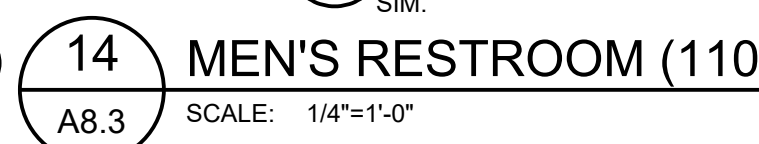
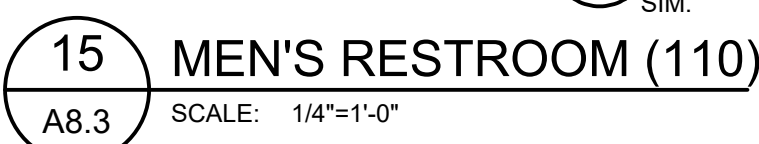
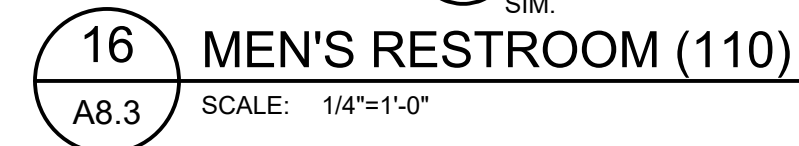
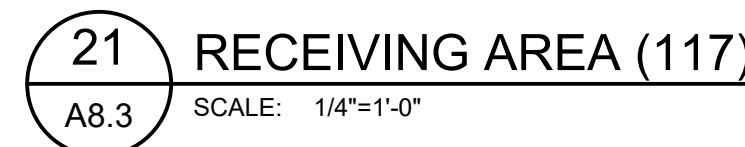
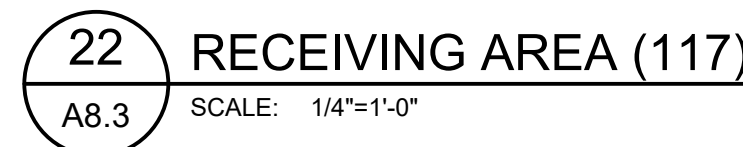
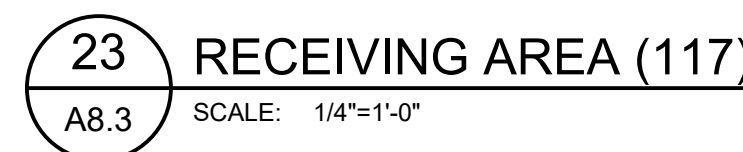
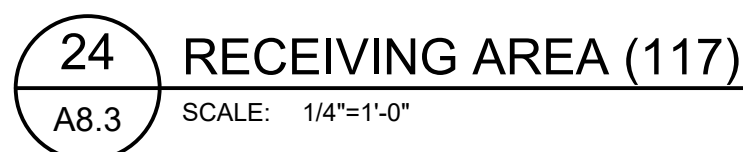
1.	MILLWORK VENDOR HIRED BY G.C. SHALL PROVIDE AND INSTALL FRP SYSTEM. IT IS THE G.C. RESPONSIBILITY TO INCLUDE THEIR PRICE IN HIS BID.
2.	THERE WILL BE NO EXCEPTIONS. THE AREAS THAT RECEIVE THE FRP MUST BE PROPERLY PREPARED. IF THE AREAS ARE NOT CLEAN, PROPERLY PREPARED AND PROPERLY LIGHTED CAUSING A DELAY IN INSTALLATION, THE GC WILL BE REQUIRED TO PAY MILLWORK VENDOR FOR EACH DAY LONGER THAT THE INSTALL TAKES AS WELL AS THE COST TO PREPARE THE AREAS CORRECTLY. THE COST FOR DELAY WILL BE PAID DIRECTLY TO MILLWORK VENDOR.
3.	GENERAL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING MATERIAL TAKE-OFF FOR ORDERING OF THE FRP, TRIM AND BASE (MILLWORK VENDOR TO SUPPLY AND INSTALL).
4.	TYPICAL LEAD TIME FOR FRP MATERIALS IS TO BE COORDINATED WITH MILLWORK VENDOR.

TILE INSTALLATION CRITERIA:

1.	EXPOSED OR SHARP EDGES ARE NOT PERMITTED. FACTORY FINISHED EDGES (NOT FIELD CUT EDGES) MAY BE EXPOSED ONLY WHERE INDICATED IN THE DRAWINGS.
2.	THE LAYOUT OF THE TILE WANSCOT, SHOWN ON THE INTERIOR ELEVATIONS, IS TO BE LAID OUT SUCH THAT THE FIELD IS EQUAL, CENTERED, FROM END OF THE WALL TO THE OPPOSITE END UNLESS NOTED OTHERWISE. THERE WILL TYPICALLY BE CUT TILES ON BOTH ENDS AND THERE SHALL NEVER BE LESS THAN 1/2 OF ONE TILE USED IN THE FIELD OF THE WANSCOT. UNLESS SPECIFIED START POINT OR ROOM CONFIGURATION DICTATES TILE TO BE LESS THAN 1/2 OF ONE TILE.
3.	IN ALL ROOMS WITH FLOOR TILE AND MATCHING WALL TILE WANSCOT AND TILE BASE, THE JOINTS OF THE FLOOR AND WALL TILES ARE TO ALIGN.

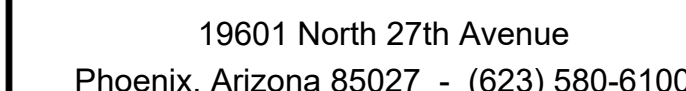
MISC. BLOCKING SCHEDULE:

ROOM NAME	ROOM NUMBER	BLOCKING FOR	MATERIAL
VESTIBULE	100	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 12/A12.0)
		CRASH RAIL	12" METAL STRAP (SEE DETAIL 12/A12.0)
SALES AREA	101	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 12/A12.0)
		DECOR LEDGES	3/4" X 24" PLYWOOD
FRONT P.O.S.	102	DECOR LEDGE	3/4" X 24" PLYWOOD
BOPIS CLOSET	103	DOOR STOP	3/4" PLYWOOD
MANAGER/VAULT	104	DOOR STOP	3/4" PLYWOOD
ASSOCIATES RESOURCES	106	PAPER TOWEL DISPENSER	3/4" PLYWOOD
		HAND SANITIZER	3/4" PLYWOOD
HALL A	108	WALL BUMPER GUARDS	8" METAL STRAP (SEE DETAIL 12/A12.0)
		STAINLESS STEEL SHELF	3/4" PLYWOOD
WOMENS RESTROOM	109	DRINKING FOUNTAINS	2X6
		GRAB BARS	
		TOILET PAPER DISPENSER	
		TOWEL DISPENSER	
		SANITARY NAPKIN DISPOSAL	
		HAND SANITIZER	3/4" PLYWOOD
		TOILET SEAT COVER DISPENSER	
		MIRROR	
		BABY CHANGING SHELF	
		STAINLESS STEEL SHELF	
MENS RESTROOM	110	CLOTHES HOOK	2 X 6
		DOOR STOP	3/4" PLYWOOD
		GRAB BARS	
		TOILET PAPER DISPENSER	
		TOWEL DISPENSER	
		HAND SANITIZER	3/4" PLYWOOD
		TOILET SEAT COVER DISPENSER	
		MIRROR	
		BABY CHANGING SHELF	
		STAINLESS STEEL SHELF	
SALON	114	CLOTHES HOOK	2 X 6
		DOOR STOP	3/4" PLYWOOD
DRYING AREA	115	MASTER BLASTER DRYERS	2 X 8
		HAND SANITIZER	3/4" PLYWOOD
BATHING AREA	116	IMPACT DOOR	2X (SEE DETAIL 6/A6.0)
		SURFACE MOUNTED PIPING & FAUCETS	2 X 6
RECEIVING	117	LEASH HOLDERS	3/4" PLYWOOD
		HYDROSURGE	3/4" PLYWOOD
ADOPTIONS MEET & GREET	118	EYEWASH	30" AFF TO 78" AFF (SEE INT. ELEVATIONS)
		IMPACT DOOR	2 X 6 (SEE DETAIL 5/A6.0)
ADOPTIONS	119	CHEMICAL MIXING SYSTEM	2 X 6
		MOP HOLDER	2 X 6
FISH PREP	120	EYEWASH	3/4" PLYWOOD
		ROOF LADDER	4X (SEE DETAIL 3/A12.0)
HOLDING ROOM #2	122	HAND SANITIZER	3/4" PLYWOOD
		DOOR STOP	3/4" PLYWOOD
HOLDING ROOM #1	123	HAND SANITIZER	3/4" PLYWOOD
		SOAP DISPENSER	3/4" PLYWOOD
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	
		DOOR STOP	
		HAND SANITIZER	
		SOAP DISPENSER	
		PAPER TOWEL DISPENSER	



A8.3

ELEV.	ROOM		APPROX TOTAL FEET	MATERIAL	HEIGHT A.F.
	NAME	NUMBER			
9.10, 11 & 12/A8.1	MANAGER/ VAULT	104	22'-0"	2 X 6	27"
11 & 12 /A8.1	MANAGER/ VAULT	104	16'-0"	3/4" X 36" PLYWD	48"
11 & 12 /A8.1	MANAGER/ VAULT	104	6'-0"	3/4" X 27" PLYWD	0"
14 & 15/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/A8.1	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"
23/A8.3	RECEIVING	117	3'-0"	3/4" X 36" PLYWD	48"
6 & 7/A8.3	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"
34/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"



FEBRUARY 12, 2025

8F4

CITY SEAN

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

ISSUED FOR

[illegible]

PROJECT NO: 16K 2025 US INSTRUCTION SET

ORIGINAL SCALE:
AS INDICATED

DRAWN BY:

CHECKED BY	
------------	--

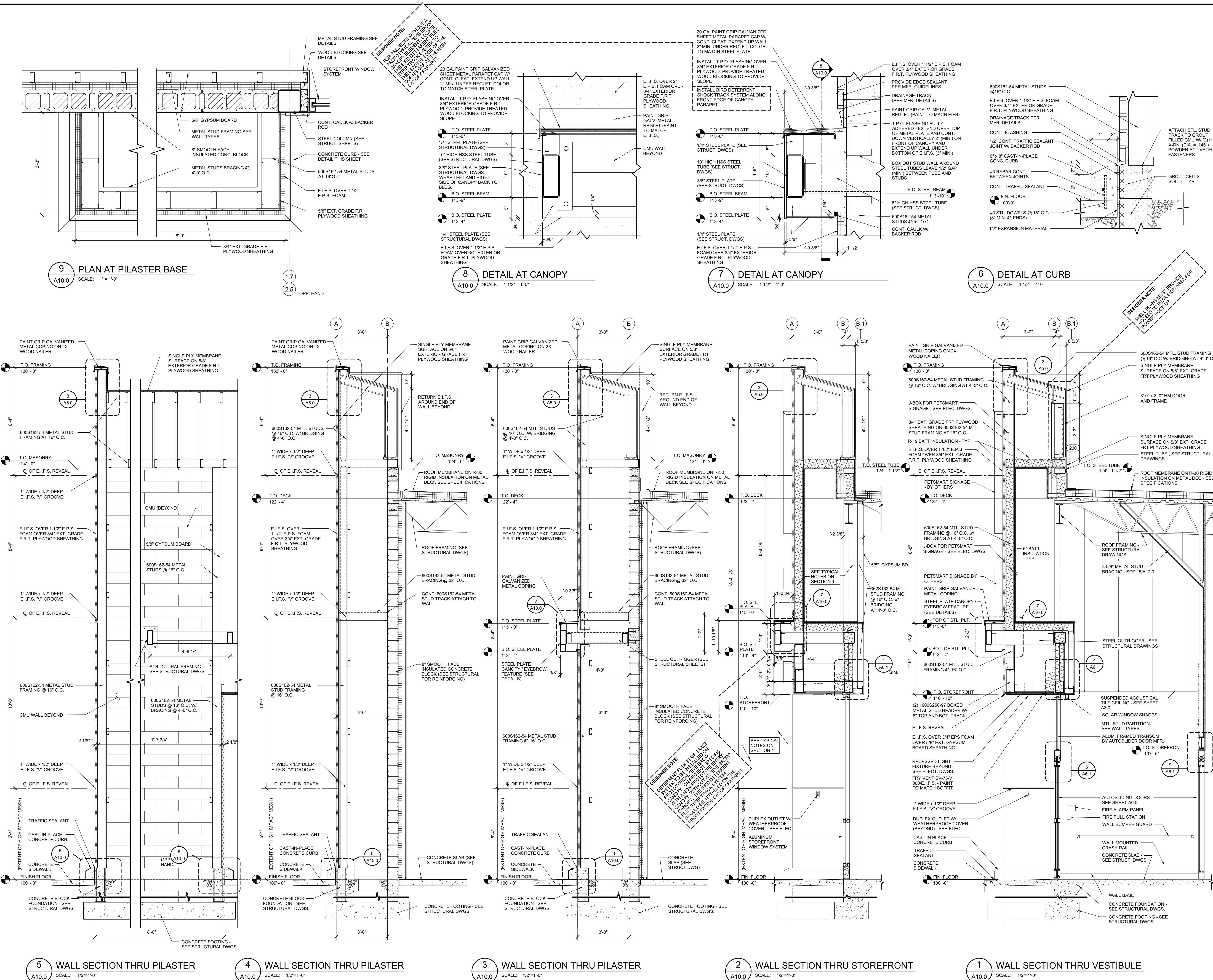
PAGE #:

ARCHITECTURA

TITLE: WALL
SECTIONS
AND DETAILS

SHEET NUMBER

A10.0



- DESIGN:
1. BUILDING CODE - 2018 INTERNATIONAL BUILDING CODE
2. ROOF DEAD, ROOF LIVE AND RAIN LOADS - REFER TO DRAWING S3.0
3. SNOW LOADS:
- GROUND SNOW LOAD, P_g = 5 PSF
- SNOW EXPOSURE FACTOR, C_e = 1.0
- SNOW LOAD IMPORTANCE FACTOR, I_s = 1.0
- THERMAL FACTOR, C_t = 1.0
4. WIND LOADS:
- ULTIMATE WIND SPEED = 115 MPH
- NOMINAL WIND SPEED = 90 MPH
- RISK CATEGORY = II
- OVERALL EXPOSURE CATEGORY = C
- BUILDING CATEGORY = ENCLOSED
5. COMPONENTS AND CLADDING WIND DESIGN PRESSURES (GROSS) PER TABLE BELOW

COMPONENTS AND CLADDING (ULTIMATE) WIND DESIGN PRESSURES (PSF)				
ZONE*	EFFECTIVE WIND AREA (SF)	WINDWARD PRESSURE	LEEWARD PRESSURE	
ROOF	1	20	16.0	-30.7
	2	50	16.0	-29.9
	3	100	16.0	-28.9
	4	100	16.0	-26.1
	5	100	16.0	-51.5
WALLS	1	20	16.0	-46.1
	2	50	16.0	-38.6
	3	100	16.0	-33.3
	4	100	16.0	-27.5
	5	100	16.0	-44.2
	1	50	16.0	-46.6
	2	100	16.0	-33.3
	3	20	26.3	-31.9
	4	50	27.5	-34.7
	5	100	26.1	-31.9
	1	500	22.8	-25.5
	2	10	30.7	-41.2
	1	20	29.3	-38.3
	2	50	27.5	-34.7
	1	100	26.1	-31.9
	2	500	22.8	-25.5

6. SEISMIC LOADS:
- RISK CATEGORY = II
- SEISMIC IMPORTANCE FACTOR, I_e = 1.0
- MAPPED SPECTRAL RESPONSE COEFFICIENTS:
 - S_s = 0.217
 - S_1 = 0.084
 - D = 0
- SITE CLASS = C
- SPECTRAL RESPONSE COEFFICIENTS:
 - S_{DS} = 0.231
 - S_{D1} = 0.084
 - D = 0
- SEISMIC DESIGN CATEGORY = I
- BASIC SEISMIC FORCE-RESISTING SYSTEM = INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
- RESPONSE MODIFICATION COEFFICIENT, R = 3.5
- ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE
- SEISMIC RESPONSE COEFFICIENT, C_s = 0.084
- BASE SHEAR, V = 37.3K

- FOUNDATIONS:
1. THE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE "SOILS AND FOUNDATION INVESTIGATION" PREPARED BY _____
2. SPREAD FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUSTAINING A NET ALLOWABLE BEARING PRESSURE OF _____ PSF FOR INDIVIDUAL COLUMN FOOTINGS AND _____ PSF FOR CONTINUOUS WALL FOOTINGS UNDER FULL SERVICE LIVE AND DEAD LOAD.
3. FOOTINGS MAY BE POURED INTO AN EARTH-FORMED TRENCH IF SOIL CONDITIONS PERMIT.
4. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. BOTTOM ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.
5. FOOTING OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF _____" BELOW FINAL EXTERIOR GRADE FOR FROST PROTECTION.
6. FOUNDATION WALLS THAT RETAIN EARTH SHALL BE BRACED AGAINST BACKFILLING PRESSURES UNTIL FLOOR SLABS AT TOP AND BOTTOM ARE IN PLACE.
7. WHERE FOUNDATION WALLS ARE TO HAVE AN EARTH PLACEMENT ON EACH SIDE, PLACE FILL MULTISECTIONALLY SO AS TO MAINTAIN EQUAL LOADS ON EACH SIDE OF THE WALL.
8. VERIFY USE AND EXTENT OF PERIMETER INSULATION WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION OF FOUNDATIONS. INSTALL PERIMETER INSULATION AS REQUIRED.

CONCRETE		
1. CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH AND DENSITY IN ACCORDANCE WITH THE FOLLOWING:	STRENGTH (PSI) DENSITY (PCF)	
INTERIOR SLABS	4000	145
ALL CONCRETE EXPOSED TO WEATHER	4000	145
ALL OTHER CONCRETE (D.N.O.)	3000	145
2. SLUMP OF CONCRETE SHALL NOT EXCEED 4" UNLESS A HIGH RANGE WATER-REDUCING ADMIXTURE IS USED. THE SLUMP OF CONCRETE PRIOR TO ADDITION OF A HIGH RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 4". THE SLUMP OF CONCRETE CONTAINING A HIGH RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 10".		
3. CONCRETE EXPOSED TO WEATHER, IN AREAS SUBJECT TO FROST, SHALL BE AIR-ENTRAINED. AIR CONTENT SHALL BE BETWEEN 4 AND 8 PERCENT.		
4. THE COARSE AGGREGATE SIZE SHALL BE #57 OR LARGER. SEE CONCRETE SPECIFICATION FOR MAXIMUM AGGREGATE SIZE ALLOWED (3/4" MAXIMUM AT INTERIOR SLABS).		
5. THE MINIMUM PORTLAND CEMENT (TYPE I OR II) CONTENT (ASTM C150) OF ALL CONCRETE SHALL CONFORM TO THE FOLLOWING TABLE. (FLY ASH NOT PERMITTED)		
	SPECIFIED COMPRESSIVE STRENGTH (PSI)	MINIMUM CEMENT CONTENT (POUNDS PER CUBIC YARD)
	3000	470
	4000	517
		611

6. REINFORCING SHALL CONFORM TO ASTM A615, GR60 UNLESS NOTED OTHERWISE.
7. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
8. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED, IN ACCORDANCE WITH ACI DETAILING MANUAL 2004.
9. ALL REINFORCING SHALL BE SUPPORTED IN FORMS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH CRSI "MANUAL OF STANDARD PRACTICE" (2009).
10. MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:
- | UNFORMED SURFACE IN CONTACT WITH THE GROUND: | 3" |
|--|--------|
| FORMED SURFACES EXPOSED TO EARTH OR WEATHER: | |
| #5 BARS AND LARGER | 1" |
| #5 BARS AND SMALLER | 2" |
| FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER: | |
| SLABS, WALLS, AND COLUMNS | 1 1/2" |
| #4 BARS AND LARGER | 1 1/2" |
| #4 BARS AND SMALLER | 3/4" |
| #4 AND #3 BARS | 1 1/2" |
11. LAP SPICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE. WHERE CLASSES ARE NOT CALLED OUT ON DRAWINGS, USE CLASS "B" SPICES.

TENSION SPICES (INCHES)				COMPRESSION SPICES (INCHES)			
BAR SIZE	TOP BARS	OTHER BARS		BAR SIZE	TOP BARS	OTHER BARS	
#3	22	28	17	22	12		
#4	29	37	22	29	15		
#5	36	47	28	36	19		
#6	43	56	33	43	23		
#7	63	81	48	63	26		
#8	72	93	55	72	30		
#9	81	105	62	81	34		
#10	91	116	70	91	38		
#11	101	131	76	101	42		

COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS
LAP WELDED WIRE FABRIC ONE SPACING OF CROSS WIRES PLUS 2"

- REINFORCED MASONRY:
1. THE REINFORCED MASONRY FOR THIS PROJECT HAS BEEN DESIGNED AND DETAILED IN ACCORDANCE WITH THE STRENGTH DESIGN METHOD.
2. REINFORCED MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH, f_m , OF 1500 PSI. MASONRY UNITS SHALL BE NORMAL WEIGHT BLOCK CONFORMING TO ASTM C90, AND SHALL HAVE A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 1900 PSI. MORTAR SHALL CONFORM TO ASTM C270, TYPE S. GROUT SHALL CONFORM TO ASTM C110.
3. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
4. CONTINUOUS WIRE REINFORCING (JOINT REINFORCING) SHALL BE GALVANIZED TRUSS OR LADDER TYPE FORMED FROM #4 GAUGE COIL - DRAWN STEEL WIRE. CONVEYED WITHIN THE MASONRY.
5. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF VERTICAL, CONTROL JOINTS, HORIZONTAL BOND BEAM AND LINTEL REINFORCING SHALL BE CONTINUOUS ACROSS VERTICAL CONTROL JOINTS. JOINT REINFORCING SHALL BE STOPPED EITHER SIDE OF VERTICAL CONTROL JOINTS.
6. ALL REINFORCED CELLS, ALL CELLS BELOW GRADE AND ALL CELLS BELOW FINISH FLOOR SHALL BE GROUTED SOLID.
7. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL BLOCK CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN A HORIZONTAL. DOWELS MAY BE GROUTED INTO A CELL IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS AN ADJACENT CELL TO THE VERTICAL WALL REINFORCING.
8. VERTICAL BARS SHALL BE SECURED IN PLACE PRIOR TO GROUTING.
9. VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM GROUT COVER OF 1/2 OF AN INCH TO THE INSIDE FACE OF MASONRY UNIT AND A MINIMUM TOTAL MASONRY COVER NOT LESS THAN TWO INCHES.
10. PARALLEL ADJACENT VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEAR DISTANCE NOT LESS THAN 1 1/2 BAR DIAMETERS NOR 1 1/2 INCHES.
11. VERTICAL CELLS THAT WILL BE GROUTED SHALL HAVE A VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 3"x4".
12. GROUTING SHALL BE STOPPED 1'-1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY AT THE POUR JOINT.
13. GROUTING OF MASONRY BEAMS OVER OPENINGS SHALL BE DONE IN ONE CONTINUOUS OPERATION.
14. ALL BOLTS, ANCHORS, ETC., INSERTED IN THE WALLS, SHALL BE GROUTED SOLID INTO POSITION.
15. REINFORCING BARS SHALL BE LAP SPICED PER THE SCHEDULE ON SHEET S2.0.

- STRUCTURAL STEEL:
1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING GRADES:
- | | |
|--|---------------------|
| WIDE FLANGE SHAPES, CHANNELS, ANGLES, PLATES, ETC. (UNO) | A992 (Fy = 50) |
| STRUCTURAL TUBE | A516 (Fy = 35) |
| STEEL PIPE | A53 (Fy = 35) |
| ANCHOR RODS | F1554, A308 OR A307 |
| BOLTS | A325 |
| WELDING ELECTRODES | E70XX |
2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE (2005), EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS.
3. THE STEEL STRUCTURE IS A NON-Self-SUPPORTING STEEL FRAME AND IS DEPENDENT UPON DIAPHRAGM ACTION OF THE METAL ROOF DECK AND ATTACHMENT TO THE MASONRY WALLS FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES. PROVIDE ALL TEMPORARY SUPPORTS REQUIRED FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES UNTIL THE ELEMENTS ARE COMPLETE AND ARE CAPABLE OF PROVIDING THIS SUPPORT.
4. SPlicing OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE PROFESSIONAL OF RECORD.
5. UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR # MINIMUM ON CONCRETE OR MASONRY. UNLESS NOTED OTHERWISE, ANCHOR BEAMS TO MASONRY WITH TWO (2) 3/4" DIAMETER ANCHOR BOLTS WITH 1'-4" EMBEDMENT.

- STEEL JOISTS: (REQUIRED VENDOR)
1. STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS, K-SERIES" (2005) OF THE STEEL JOIST INSTITUTE (SJI).
2. STEEL JOISTS SHALL BE DESIGNED BY THE MANUFACTURER. THE MANUFACTURER'S ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN ADEQUACY AND SAFETY OF ALL STEEL JOISTS.
3. UNLESS OTHERWISE NOTED, STEEL JOISTS SHALL BE DESIGNED AS SIMPLY SUPPORTED. UNFORMALLY LOADED TRUSSES WITH THE TOP CHORD BRACED AGAINST LATERAL BUCKLING. THE UNIFORM DESIGN LOAD SHALL BE THE TOTAL SAFE UNIFORM LOAD AS SHOWN IN THE SJI STANDARD LOAD TABLE.
4. WHEN NET UPLIFT FORCES DUE TO WIND ARE SHOWN ON THE DRAWINGS, THE MANUFACTURER SHALL DESIGN THE JOISTS, BRIDGING AND CONNECTIONS TO THE SUPPORTING STRUCTURE FOR THE NET UPLIFT. A SINGLE LINE OF BOTTOM CHORD BRIDGING MUST BE PROVIDED NEAR THE FIRST BOTTOM CHORD PANEL POINTS. WHENEVER NET UPLIFT DUE TO WIND FORCES IS SHOWN ON THE DESIGN DRAWINGS, THE JOIST, BRIDGING AND CONNECTIONS SHALL BE DESIGNED FOR THE NET UPLIFT.
5. WHEN NONUNIFORM OR CONCENTRATED LOADS ARE SHOWN ON THE DRAWINGS, THE MANUFACTURER SHALL DESIGN THE JOISTS IN ACCORDANCE WITH PARAGRAPH 4.1 OF THE STANDARD SPECIFICATION FOR OPEN WEB STEEL JOISTS, K-SERIES.
6. STEEL JOIST BRIDGING SHALL BE PROVIDED IN ACCORDANCE WITH THE SJI SPECIFICATION. ALL BRIDGING AND BRIDGING ANCHORS SHALL BE PLACED AND STEEL JOIST ENDS FIXED PRIOR TO THE APPLICATION OF ANY LOADS. BRIDGING THAT TERMINATES AT, OR IS INTERRUPTED BY, STRUCTURAL STEEL BEAMS, MASONRY WALLS OR CONCRETE WALLS SHALL BE ATTACHED THERETO. COORDINATE BRIDGING LOCATIONS TO AVOID INTERFERENCE WITH ALL MECHANICAL, ELECTRICAL AND FIRE PROTECTION EQUIPMENT.
7. MINIMUM BEARING REQUIREMENTS, UNLESS NOTED OTHERWISE:
2'-1/2" ON STRUCTURAL STEEL
4" ON STEEL BEARING PLATES OVER MASONRY OR CONCRETE
8. UNLESS NOTED OTHERWISE, STEEL JOISTS SHALL BE ATTACHED TO SUPPORTING STEEL WORK OR STEEL BEARING PLATES WITH TWO (2) 1/8" FILLET WELDS (ONE EACH SIDE) 2" LONG, OR WITH A 1/2" DIAMETER BOLT.
9. STEEL JOISTS AT COLUMN CENTER LINES SHALL BE BOLTED TO STRUCTURAL STEEL WITH TWO (2) 1/2" DIAMETER BOLTS. WHERE STEEL JOISTS DO NOT SPACE TO COLUMN CENTER LINES, USE BOLTED CONNECTIONS FOR THE STEEL JOIST CLOSEST TO THE CENTER LINE.
10. HOLES IN STEEL JOIST CHORDS WILL NOT BE PERMITTED, EXCEPT FOR BOLTED CONNECTIONS AT THE BEARING END OF THE JOIST.
11. ALL ITEMS SUCH AS MECHANICAL EQUIPMENT, DUCT WORK, PIPES, CEILING, FIXTURES, ETC. THAT ARE TO BE SUPPORTED OR HUNG FROM THE STEEL JOIST SHALL BE FRAMED WITH AUXILIARY FRAMING TO THE PANEL POINTS OF THE STEEL JOIST. METHODS OF FRAMING THAT INDUCE A BENDING TO THE STEEL JOIST CHORDS OR WEB MEMBERS WILL NOT BE PERMITTED.
12. REPAIR OR REPLACE ALL DAMAGED STEEL JOISTS.
13. STEEL JOISTS LOCATED NEAREST TO COLUMN CENTERLINES SHALL HAVE BOTTOM CHORD EXTENSIONS INSTALLED PER OSHA REQUIREMENTS.
14. ALL JOISTS IN BAYS 40 FEET OR LONGER SHALL HAVE THE ENDS CONNECTED TO THE SUPPORTING STEEL STRUCTURE WITH ERECTION BOLTS PER OSHA REQUIREMENTS.

- STEEL JOIST GIRDERS: (REQUIRED VENDOR)
1. STEEL JOIST GIRDERS SHALL BE DESIGNED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR JOIST GIRDERS (2005) OF THE STEEL JOIST INSTITUTE (SJI).
2. STEEL JOIST GIRDERS SHALL BE DESIGNED BY THE MANUFACTURER. THE MANUFACTURER'S ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN, ADEQUACY AND SAFETY OF ALL STEEL JOIST GIRDERS.
3. EXCEPT WHERE ADDITIONAL DESIGN LOADS ARE SHOWN ON THE STRUCTURAL DRAWINGS, STEEL JOIST GIRDERS SHALL BE DESIGNED AS SIMPLY SUPPORTED MEMBERS WITH ALL LOADS EQUAL IN MAGNITUDE AND EVENLY SPACED ALONG JOIST GIRDER TOP CHORD.
4. ADDITIONAL DESIGN LOADS FROM ROOF TOP EQUIPMENT OR OTHER CONCENTRATED LOADS SHOWN ON THE DRAWINGS SHALL BE CONSIDERED AS COLLATERAL LOADS. THESE LOADS SHALL BE CONSIDERED IN THE DESIGN OF THE STEEL JOIST GIRDERS. REFER TO THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND WEIGHT OF EQUIPMENT. WHERE SUCH LOADS DO NOT OCCUR AT THE PANEL POINTS OF THE STEEL JOIST, GIRDERS, AUXILIARY FRAMING SHALL BE ADDED OR THE TOP CHORD SHALL BE DESIGNED FOR THE EFFECTS OF THE LOAD.
5. STEEL JOIST GIRDERS SHALL BE DESIGNED TO SUPPORT THE DESIGN ROOF LIVE OR SNOW LOAD WITHOUT EXCEEDING A DEFLECTION OF L/240.
6. WHEN NET UPLIFT FORCES DUE TO WIND ARE SHOWN ON THE DRAWINGS, THE MANUFACTURER SHALL DESIGN THE STEEL JOIST GIRDERS AND CONNECTIONS TO THE SUPPORTING STRUCTURE FOR THE NET UPLIFT.
7. STEEL JOIST GIRDERS SHALL BE PROPORTIONED SUCH THAT THEY CAN BE ERRECTED WITHOUT BRIDGING.
8. MINIMUM BEARING REQUIREMENT, UNLESS NOTED OTHERWISE:
4" ON STRUCTURAL STEEL
8" ON STEEL BEARING PLATES OVER MASONRY OR CONCRETE
9. UNLESS NOTED OTHERWISE, STEEL JOIST GIRDERS SHALL BE ATTACHED TO SUPPORTING STEEL WORK OR STEEL BEARING PLATES WITH TWO (2) 1/4" FILLET WELDS (ONE EACH SIDE), 2" LONG OR TWO (2) 3/4" DIAMETER BOLTS.
10. STEEL JOIST GIRDERS AT COLUMN CENTERLINES SHALL BE BOLTED TO STRUCTURAL STEEL WITH TWO (2) 3/4" DIAMETER BOLTS.
11. NO OTHER LOADS SHALL BE PLACED ON THE STEEL JOIST GIRDER UNTIL THE STEEL JOISTS BEARING ON THIS GIRDER ARE IN PLACE AND ATTACHED THERETO.
12. REPAIR OR REPLACE ALL DAMAGED STEEL JOIST GIRDERS.

- METAL ROOF DECK: (REQUIRED VENDOR)
1. METAL ROOF DECK SHALL COMPLY WITH THE REQUIREMENTS OF THE STEEL DECK INSTITUTE STANDARDS FOR STEEL ROOF DECK (2006).
2. METAL ROOF DECK SHALL BE CONFIGURATION, DEPTH AND MINIMUM GAGE AS SHOWN ON THE DRAWINGS. ATTACHMENT TO THE SUPPORTING STRUCTURE SHALL BE AS SHOWN ON THE DRAWINGS AS A MINIMUM. SEE ROOF FRAMING PLAN NOTES.
3. DO NOT HANG OR SUPPORT ANY LOADS FROM METAL ROOF DECK.
4. METAL ROOF DECK SHALL BE CONTINUOUS OVER A MINIMUM OF THREE SPANS.

- SPECIAL INSPECTIONS:
1. THE OWNER WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE THE REQUIRED SPECIAL INSPECTIONS DURING CONSTRUCTION.
2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL, RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
3. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR COMPLIANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE OR WAIVE ANY OF THE REQUIREMENTS OF THE DOCUMENTS.
B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE PROFESSIONAL-OF-RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. THEN, IF UNCORRECTED, SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE BUILDING OFFICIAL, AND THE PROFESSIONAL-OF-RECORD. UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED.
C. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE BUILDING CODE.
4. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF OTHER REQUIRED TESTING, DUPLICATE INSPECTIONS SHALL NOT BE REQUIRED.
5. STRUCTURAL OBSERVATION (AS DEFINED IN CHAPTER 17 OF THE BUILDING CODE) IS NOT REQUIRED, UNLESS SPECIFICALLY REQUIRED BY THE BUILDING OFFICIAL.
6. SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING TABLES:

SOILS (IBC 1704.7)		
VERIFICATION AND INSPECTION	FREQUENCY	REFERENCED STANDARD
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC	GEOTECHNICAL ENGINEERING REPORT
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	

CONCRETE CONSTRUCTION (IBC1704.4)		
VERIFICATION AND INSPECTION	FREQUENCY	REFERENCED STANDARD
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT	PERIODIC	IBC1913.3; ACI 318: 3.5, 7.12.7
2. INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE.	CONTINUOUS	IBC1911.5, 1912.1; ACI 318: 8.1.3, 21.2.8
3. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.	PERIODIC	IBC1912.1; ACI 318: 3.8.6, 8.1.3, 21.2.8
4. VERIFYING USE OF REQUIRED DESIGN MIX	PERIODIC	IBC1904.2.2, 1913.2, 1913.3; ACI 318: Ch. 4, 5.2-5.4
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS	IBC1913.10; ASTM C172; ASTM C31; ACI 318: 5.6, 5.8
6. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	CONTINUOUS	IBC1913.6, 1913.7, 1913.8; ACI 318: 5.9, 5.10
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	PERIODIC	IBC1913.9, ACI 318: 5.11-5.13
8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 6.1.1

MASONRY CONSTRUCTION (TMS 402 LEVEL B)		
VERIFICATION AND INSPECTION	FREQUENCY	REFERENCED STANDARD
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	PERIODIC	TMS 402/ACI 308/ASCE 5; TMS 602/ACI 530/ASCE 6
2. VERIFICATION OF TYP PRIOR TO CONSTRUCTION	PERIODIC	ART. 1.48
3. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
a. PROPORTIONS OF SITE-PREPARED MORTAR	PERIODIC	ART. 2.6A
b. CONSTRUCTION OF MORTAR JOINTS	PERIODIC	ART. 3.3B
c. LOCATION OF REINFORCEMENT AND CONNECTORS	PERIODIC	ART. 3.4, 3.6A
4. DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:		
a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	PERIODIC	ART. 3.3F
b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION	PERIODIC	SEC. 1.2.2(a), 1.16.1
c. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT AND ANCHOR BOLTS	PERIODIC	SEC. 1.15
d. WELDING OF REINFORCING BARS	CONTINUOUS	SEC. 2.1.9.2, 3.3.3.4(b)
e. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER TEMPERATURE BELOW 40°F, OR HOT WEATHER TEMPERATURE ABOVE 90°F.	PERIODIC	IBC 2104.3, 2104.4
5. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
a. GROUT SPACE IS CLEAN	PERIODIC	ART. 3.2D
b. PLACEMENT OF REINFORCEMENT AND CONNECTORS	PERIODIC	SEC. 1.13
c. PROPORTIONS OF SITE-PREPARED GROUT	PERIODIC	ART. 2.6B
d. CONSTRUCTION OF MORTAR JOINTS	PERIODIC	ART. 3.3B
6. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE	CONTINUOUS	ART. 3.5

STEEL CONSTRUCTION (IBC 1704.3)		
VERIFICATION AND INSPECTION	FREQUENCY	REFERENCED STANDARD
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS:		
a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	AISC 360, SECTION A3.3 AND APPLICABLE ASTM MATERIAL STANDARDS
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	
2. INSPECTION OF HIGH-STRENGTH BOLTING:		
a. SNUG-TIGHT JOINTS	PERIODIC	IBC1704.3.2; AISC 360, SECTION M2.5
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:		
a. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360	PERIODIC	AISC 360, SECTION M5.5
b. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	APPLICABLE ASTM MATERIAL STANDARDS
c. MANUFACTURER'S CERTIFIED TEST REPORTS	PERIODIC	
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		
a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	AISC 360, SECTION A3.5 AND APPLICABLE AWS DOCUMENTS
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	

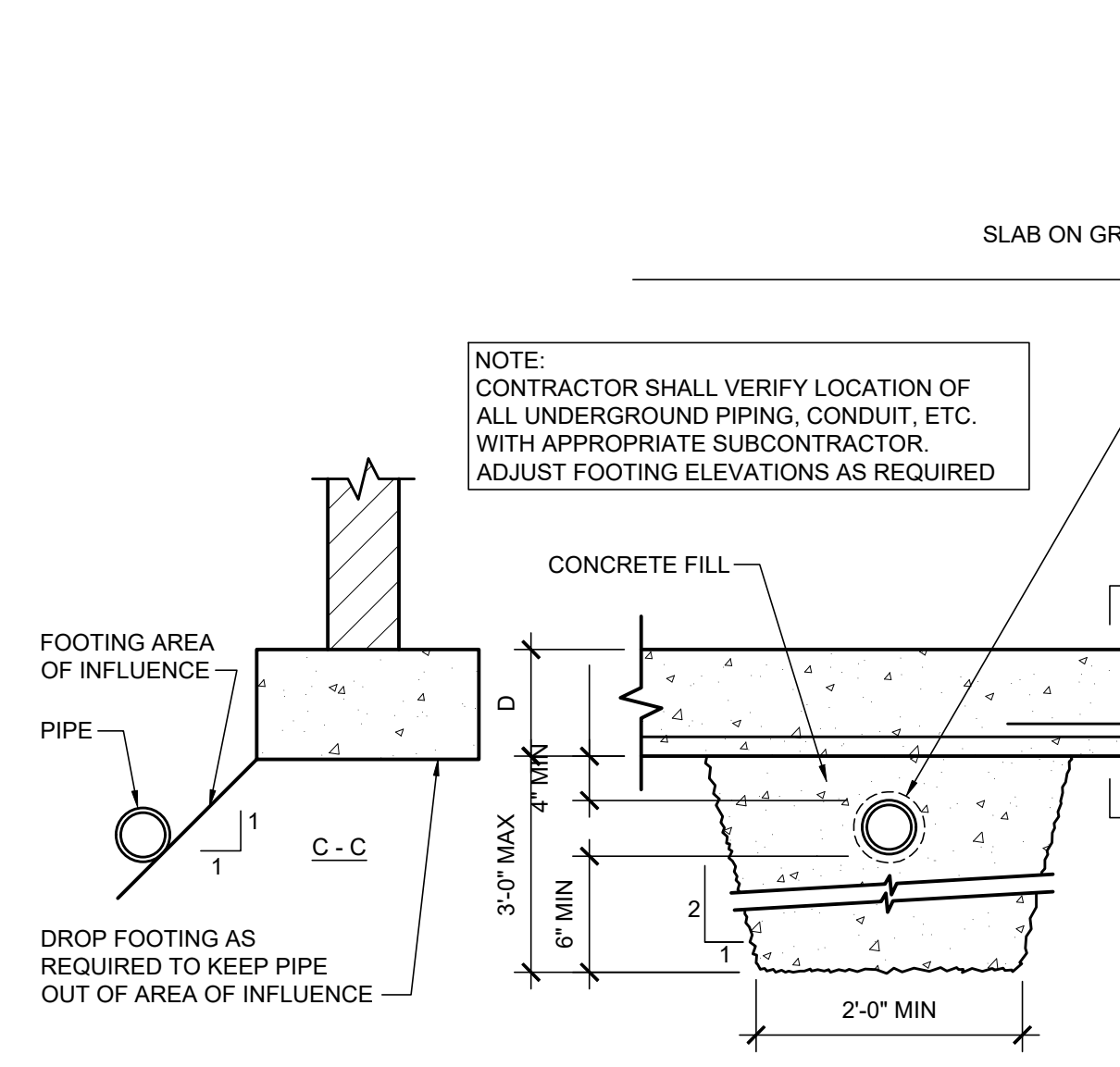
TABLE CONTINUED ...

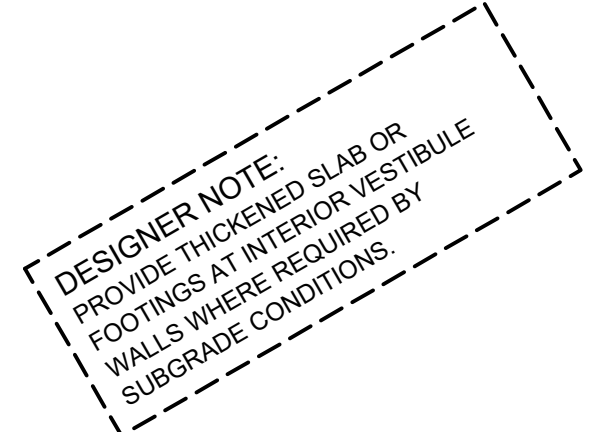
4. METAL ROOF DECK SHALL BE CONTINUOUS OVER A MINIMUM OF THREE SPANS.

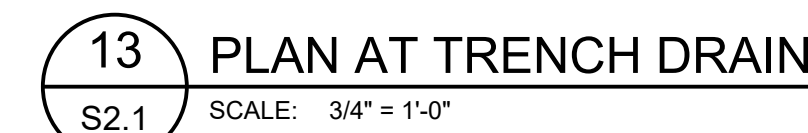
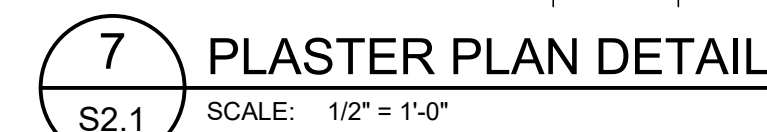
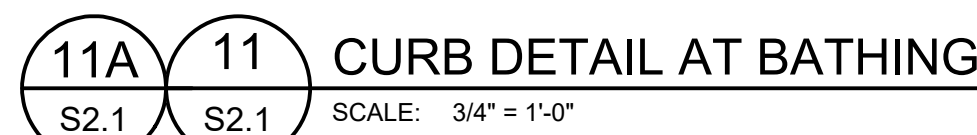
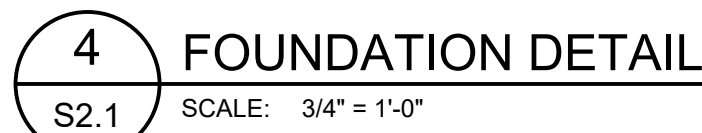
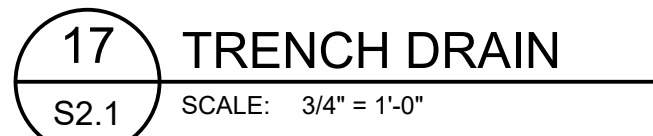
STEEL CONSTRUCTION (IBC 1704.3)		
TABLE CONTINUED ...		
VERIFICATION AND INSPECTION	FREQUENCY	REFERENCED STANDARD
5. INSPECTION OF WELDING:		
a. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:		
1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS	CONTINUOUS	
2) MULTI-PASS FILLET WELDS	CONTINUOUS	
3) SINGLE-PASS FILLET WELDS $\geq \frac{3}{16}$ "	CONTINUOUS	IBC1704.3.1; AWS D1.1
4) PLUG AND SLOT WELDS	CONTINUOUS	
5) SINGLE-PASS FILLET WELDS $\leq \frac{3}{16}$ "	PERIODIC	
6) FLOOR AND ROOF DECK WELDS	PERIODIC	AWS D1.3
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:		
a. DETAILS SUCH AS BRACING AND STIFFENING	PERIODIC	IBC1704.3.2
b. MEMBER LOCATIONS		
c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION		

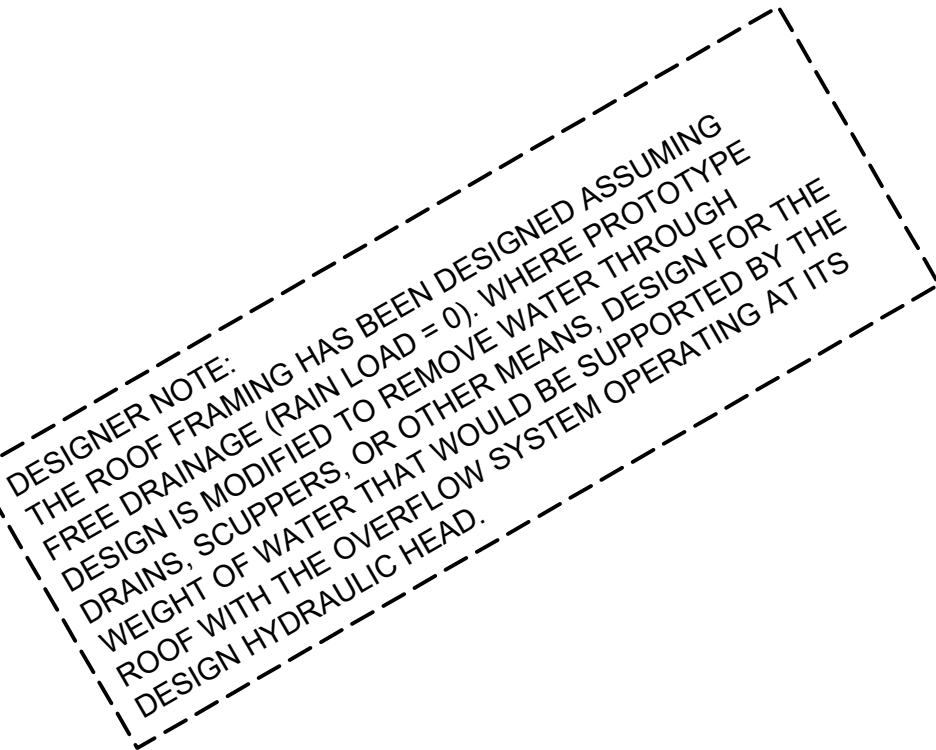
INSPECTION OF FABRICATOR(S) (IBC 1704.2)		
1. APPLICABLE ELEMENT (FABRICATOR CERTIFICATION REQUIREMENTS):		
a. STRUCTURAL STEEL (ASCE CERTIFIED FOR CONVENTIONAL STEEL BUILDING)		
b. STEEL JOISTS/JOIST GIRDERS (SJI MEMBER)		
c. STEEL ROOF DECK (SDI MEMBER)		
2. WHEN SPECIAL INSPECTIONS ARE REQUIRED BY BUILDING OFFICIAL:		
FABRICATOR AND IMPLEMENTATION PROCEDURES: THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION, CONTROL OF THE WORKMANSHIP, AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.		
3. WHEN SPECIAL INSPECTIONS ARE NOT REQUIRED BY THE BUILDING OFFICIAL:		
UPON COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.		

- MISCELLANEOUS:
1. THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. DETAILS SHOWN ON THIS SHEET ARE APPLICABLE THROUGHOUT THE DESIGN DRAWINGS. THESE DETAILS ARE DEFINED AS TYPICAL GENERAL STANDARDS THAT ARE USUALLY NOT IDENTIFIED BY SPECIFIC REFERENCE WITHIN THE DRAWINGS. THESE DETAILS MAY BE MODIFIED OR SUPERSEDED BY SPECIFIC DETAILS THAT ARE REFERENCED WITHIN THE DRAWINGS.
3. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, MECH AND CIVIL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
4. NO OPENINGS SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE PROFESSIONAL-OF-RECORD.
5. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE PROFESSIONAL-OF-RECORD.
6. OPENINGS 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MEP DRAWINGS FOR SUCH OPENINGS.
7. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING AND CONNECTIONS. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
8. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
9. DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS.
10. CONTRACTOR'S CONSTRUCTION AND ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.
11. THE CONTRACTOR SHALL INFORM THE PROFESSIONAL-OF-RECORD IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL-OF-RECORD'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL-OF-RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL-OF-RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.

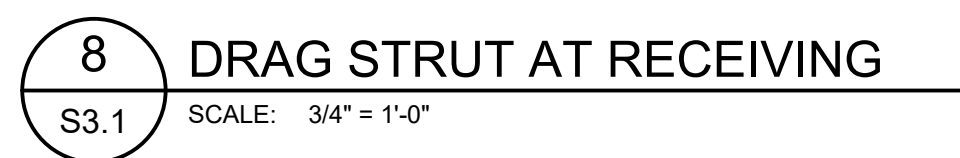








S3.0



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

ISSUED FOR:

[illegible]

PROJECT NO:	16K 2025 IIS INSTRUCTION SET
-------------	------------------------------

ORIGINAL SCALE:	
AS INDICATED	

DRAWN BY:

CHECKED BY:	PLOTTING SCALE
-------------	-------------------

PAGE 8

29	47
----	----

STRUCTURAL

TITLE:

ROOF

FRAMING

DETAILS

SHEET NUMBER: _____

MECHANICAL GENERAL NOTES

A.	THIS PROJECT WAS DESIGNED PER THE 2015 INTERNATIONAL MECHANICAL CODE AND ALL APPLICABLE LOCAL AMENDMENTS.
B.	THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING THE TESTING, ADJUSTMENT AND BALANCING. SEE SHEET F2.0 FOR BALANCING CONTRACTOR'S CONTACT INFORMATION.
C.	ONCE POWER IS APPLIED TO THE ROOFTOP HVAC UNITS, AND THE HVAC TECHNICIAN HAS COMPLETED THE RTU STARTUP PROCEDURE, THE ROOFTOP UNITS WILL RUN IN A DEFAULT MODE FROM THE RETURN AIR SENSOR CONTROLLING A 74 DEGREE COOLING SETPOINT AND A 70 DEGREE HEATING SETPOINT WITH AN INTERMITTENT FAN.
D.	ALL SUPPLY AND RETURN AIR DUCTWORK SHALL BE ROUND OR RECTANGULAR/SQUARE AS SHOWN AND WHERE SPECIFIED. SUPPLY AND RETURN DUCT DROPS FROM THE 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 SWEET ELBOWS. ALL RECTANGULAR/SQUARE ELBOWS SHALL HAVE TURNING VANGES. 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 PERMSMART.
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.	URING 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 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 UNCONDITIONED AREA (CONCEALED ABOVE HUNG CEILINGS) SHALL BE INSULATED WITH DUCT LINER PER THE SPECIFICATIONS. SUPPLY AND RETURN AIR DUCTWORK NOT EXPOSED TO THE UNCONDITIONED AREA (CONCEALED ABOVE HUNG CEILINGS) SHALL BE INSULATED WITH DUCT WRAP PER THE SPECIFICATIONS.
I.	ALL ROOF TOP UNITS ARE SUPPLIED WITH RETURN AIR DUCT SMOKE DETECTORS. PROVIDE REMOTE TEST STATIONS AND COORDINATE INSTALLATION AND WIRING CONNECTIONS WITH THE ELECTRICAL CONTRACTOR AND THE FIRE ALARM CONTRACTOR AS REQUIRED.
J.	CONSTRUCTION TRADES MUST USE THE ARCHITECTURAL PLANS FOR WORK INSTALLATION. THIS INCLUDES ALL APPLICABLE DETAILS, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.
K.	REFER TO THE PLUMBING DRAWINGS FOR ALL CONDENSATE DRAIN AND GAS PIPING REQUIREMENTS.

MARK	MODEL #	NOMINAL TONS	FAN DATA				COOLING DATA				HEATING DATA		ELECTRICAL DATA			EER / EER / SEER	HUMIDITROL	WEIG T (LBS.)	AREA SERVED	
			S.A. CFM	TOTAL S.P.	MIN. S.P.	H.P.	DRIVE KIT	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	ENTERING DB / WB	AMBIENT	GAS HTG. INPUT (MBH)	GAS HTG. OUTPUT (MBH)	VOLTAGE / PHASE / HZ	MCA					MCCP
RTU-1	LG072H5EQ1G	6	2150	425	0.76	1.5	MSAV	69.1 / 72.6	50.1 / 53.5	80.0 / 67.0	95.0	81.0 / 108.0	66.0 / 87.0	460 / 3 / 60	15.0	20	12.2 / 17.0 / -	NO	831	OFFICES / VESTIBULE
RTU-2	LG048H5EB1G	4	1750	400	0.70	1.0	ECM	47.7 / 50.4	34.5 / 37.2	80.0 / 67.0	95.0	53.0 / 65.0	43.0 / 52.0	460 / 3 / 60	13.0	15	12.8 / - / 17.0	YES	857	SALON
RTU-3	LG060H5EB1G	5	1850	425	0.75	1.5	MSAV	59.7 / 63.8	45.4 / 49.5	80.0 / 67.0	95.0	53.0 / 65.0	43.0 / 52.0	460 / 3 / 60	14.0	15	12.7 / - / 17.0	YES	858	BATHING / DRYING / RESTROOMS
RTU-4	LG120H5EM1G	10	4000	920	1.06	3.75	ECM	114.1 / 121.9	81.2 / 89.0	80.0 / 67.0	95.0	117.0 / 180.0	95.0 / 146.0	460 / 3 / 60	25.0	30	12.1 / 15.5 / -	YES	1406	FRONT
RTU-5	LG060H5EB1G	5	2150	425	0.68	1.0	ECM	59.7 / 63.8	45.4 / 49.5	80.0 / 67.0	95.0	53.0 / 65.0	43.0 / 52.0	460 / 3 / 60	14.0	15	12.7 / - / 17.0	NO	831	ADOPTIONS / HOLDING
RTU-6	LG020H5EM1G	10	4000	920	1.01	3.75	ECM	114.1 / 121.9	81.2 / 89.0	80.0 / 67.0	95.0	117.0 / 180.0	95.0 / 146.0	460 / 3 / 60	25.0	30	12.1 / 15.5 / -	NO	1386	SALES AREA LEFT REAR
RTU-7	LG120H5EM1G	10	4000	920	1.01	3.75	ECM	114.1 / 121.9	81.2 / 89.0	80.0 / 67.0	95.0	117.0 / 180.0	95.0 / 146.0	460 / 3 / 60	25.0	30	12.1 / 15.5 / -	NO	1386	SALES AREA RIGHT REAR
RTU-8	LG072H5EQ1G	6	2400	550	0.73	1.5	MSAV	69.2 / 73.2	50.9 / 54.9	80.0 / 67.0	95.0	81.0 / 108.0	66.0 / 87.0	460 / 3 / 60	15.0	20	12.2 / 17.0 / -	NO	850	RECEIVING
TOTAL			5,125		-3.950 EXHAUST AIR + #1175															

- EQUIPMENT PROVIDED BY LENNOX NATIONAL ACCOUNTS, NO SUBSTITUTES ALLOWED. CONTACT LENNOX NATIONAL ACCOUNTS FOR PRICING OR SEE SHEET F2.0 FOR ADDITIONAL INFORMATION: JANE GUNTER PHONE: 1-972-497-6869 OR CONTACT ADRIAN SOA PHONE: 1-949-439-7847, TECHNICAL SUPPORT: 1-800-367-6285, APPLICATION SUPPORT: 1-888-695-4962.
- ALL RTU'S SHALL BE FURNISHED WITH FACTORY INSTALLED RETURN AIR SMOKE DETECTOR.
 - FIELD ADJUST FAN RPM TO PROVIDE AIR QUANTITIES AS SCHEDULED ABOVE.
 - LENNOX WILL FURNISH CURBS PLUS DLPD 2010-1012-5 DIFFUSER ASSEMBLY FOR RTU-4, 6, AND 7 AND CURBS PLUS DLPD 1806-56 DIFFUSER ASSEMBLY FOR RTU-5. SEE DETAIL 11M2.0.
 - ALL FANS THAT ARE NOT DRIVEN BY 1 AUTO-TEMPERATURE SENSOR.
 - ALL RTU'S TO BE FURNISHED WITH FIELD INSTALLED NON-USED DISCONNECT SWITCH.
 - ALL RTU'S TO BE FURNISHED WITH FIELD INSTALLED 120V GFCI CONVENIENCE OUTLET, FIELD WIRED.
 - ALL RTU'S TO BE FURNISHED WITH FACTORY INSTALLED VARIABLE FREQUENCY DRIVE FOR INSA-BLOWER CONTROL.
 - ALL RTU'S TO BE FURNISHED WITH FACTORY INSTALLED DRAIN/PAN OVERFLOW SWITCH.
 - ALL RTU'S TO BE PROVIDED WITH FACTORY FURNISHED AND FIELD INSTALLED HALL GUARDS.
 - ALL RTU'S TO BE PROVIDED WITH STRUCTURAL FLOORING.
 - ALL RTU'S TO BE INSTALLED WITH FULL SIZE SUPPLY AND RETURN DROPS.
 - ALL RTU'S TO BE INSTALLED WITH HYBRID 14" ROOF CURBS.
 - ALL RTU'S TO BE PROVIDED WITH FACTORY SUPPLIED AND FIELD WIRING HUMIDITY/TEMPERATURE SENSOR LENNOX PART NUMBER 21W068.
 - ALL RTUS WITHOUT HUMIDITROL SHALL BE SUPPLIED WITH TEMPERATURE SENSOR LENNOX PART NUMBER (94L60).
 - ALL RTU'S SHALL BE FURNISHED WITH FACTORY INSTALLED GLOBAL ECONOMIZER AND BAROMETRIC RELIEF.
 - ALL RTU'S TO BE PROVIDED WITH LENNOX NATIONAL CORROSION CONTROL SYSTEMS FOR CONDENSATE DRAINAGE AND CONDENSATE DRAINAGE PIPING WITH 1/2" X 1/2" SILES OF BRASS/STAINLESS STEEL WATER, FRESH WATER, WATER, MIN.
- DESIGNER NOTE:
Verify all equipment is
available for project.

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

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

MARK	MANUFACTURER	MODEL #	FAN DATA				VOLTAGE / PHASE	AREA SERVED	OPERATION
			CFM	EXT. S.P. or KW	H.P. or DRIVE	DRIVE PPG			
EF-1	CAPITVEAIRE	DR124FA	500	0.50	0.18	DIRECT	120 / 1	ASSOCIATES / COMPUTER/COPY	CONTROLLED BY EMS
EF-2	CAPITVEAIRE	DR504FA	1650	0.50*	0.50	DIRECT	120 / 1		BATHING / DRYING
EF-3	CAPITVEAIRE	DR504FA	1300	0.50	0.50	DIRECT	120 / 1	FISH FEED /	CONTROLLED BY EMS
EF-4	CAPITVEAIRE	DR124FA	300	0.50*	0.18	DIRECT	120 / 1	ADDITIONS / HOLDING	CONTROLLED BY EMS
								RESTROOMS	CONTROLLED BY EMS

- ALL CAPTIVE/AIR FANS SHALL BE PART OF THE LENNOX EQUIPMENT PACKAGE.
- OPTIONS: GRAVITY BACKDRIFT 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.

MARK	MANUFACTURER	MODEL #	FACE	STYLE	BORDER TYPE	FINISH	DESCRIPTION
E-1	KRUEGER	6690	24x24	PERFORATED	(F23) LAY-IN	WHITE ENAMEL	STEEL, ROUND NECK. SEE PLAN FOR NECK SIZE.
E-2	KRUEGER	50690	24x24	PERFORATED	(F23) LAY-IN	WHITE ENAMEL	ALUMINUM, ROUND NECK. SEE PLAN FOR NECK SIZE.
E-3	KRUEGER	880	12x6	LOUVERED	(F22) SURFACE MOUNT	FIELD PAINT DOVER GRAY	DUCT MOUNTED, DOUBLE DEFLECTION, OPPOSED BLADE VOLUME DAMPER
E-4	KRUEGER	S580HZ	24x24	LOUVERED	(F23) LAY-IN	WHITE ENAMEL	ALUMINUM, TOP HINGED FACE WITH KNURLED KNOBS. NO SCREW HOLES. PROVIDE 1" FILTER FRAME. SEE PLAN FOR NECK SIZE.
R-1	KRUEGER	S80P	48x24	PERFORATED	(F23) LAY-IN	WHITE ENAMEL	STEEL, TOP HINGE FACE WITH KNURLED KNOBS. PROVIDE 1" FILTER FRAME. SEE PLAN FOR NECK SIZE.
R-2	KRUEGER	6690	24x24	PERFORATED	(F23) LAY-IN	WHITE ENAMEL	STEEL, ROUND NECK. SEE PLAN FOR NECK SIZE.
R-3	KRUEGER	S80H	SEE PLAN	LOUVERED	(F22) SURFACE MOUNT	WHITE ENAMEL	STEEL, RECTANGULAR NECK. 35 DEG. DEFLECTION.
S-1	KRUEGER	SH	24x24	LOUVERED	(F23) LAY-IN	WHITE ENAMEL	STEEL, ROUND NECK. SEE PLAN FOR NECK SIZE.
S-3	CURBS PLUS	SALES AREA: DLDP-2010-1012.5 RECEIVING: DLDP 1825-515	30x30	DRUM LOUVER	DUCT MOUNTED	CUSTOM COLOR TO MATCH COLOR P-1 (SEE A7.0)	4-WAY DRUM DIFFUSER SHALL BE PART OF THE LENOX EQUIPMENT PACKAGE.
S-4	KRUEGER	S80HOBDD	SEE PLAN	LOUVERED	(F22) SURFACE MOUNT	FIELD PAINT DOVER GRAY	DUCT MOUNTED, DOUBLE DEFLECTION, OPPOSED BLADE VOLUME DAMPER
S-5	KRUEGER	PTBS	48x6	LINEAR SLOT	(F23) LAY-IN	WHITE ENAMEL	(31) 1" SLOTS. ALUMINUM BLADES, INSULATED PLENUM BOX. CENTER NOTCH (CN) FOR T-BAR.
S-6	KRUEGER	5SH	24x24	LOUVERED	(F23) LAY-IN	WHITE ENAMEL	PROVIDE ALUMINUM ACCESSORIES FOR WET AREAS (BATHING AREA, DRYING AREA)
TR-1	KRUEGER	6490	24x24	PERFORATED	(F23) LAY-IN	WHITE ENAMEL	STEEL, SQUARE NECK.
TR-2	KRUEGER	S80H	SEE PLAN	LOUVERED	(F22) SURFACE MOUNT	WHITE ENAMEL	STEEL, SQUARE NECK. 35 DEG. DEFLECTION.

- AIR DEVICES SHALL BE KRUEGER UNLESS OTHERWISE SPECIFIED IN SCHEDULE, NO SUBSTITUTIONS.
- ALL AIR DISTRIBUTION DEVICES LOCATED IN BATHING/DRYING AREA SHALL BE ALUMINUM CONSTRUCTION.
- ROUND CONNECTION TO MATCH ROUND DUCT DIMENSION AS SHOWN ON FLOOR PLAN, REFER TO 2/62.0, MANUFACTURER SUPPLIED TRANSITIONS ARE NOT ACCEPTABLE.
- FOR ALL GRILLE, THE CONTRACTOR IS TO PROVIDE TWO (2) 20X1/8" PLATED FILTERS AND FOUR (4) SETS OF KNURLED KNOBS TAPPED TO THE INSIDE OF THE GRILLE. PROVIDE TWO (2) ADDITIONAL FILTERS FOR ATTIC STACK.
- PROVIDE R-8 RIGID INSULATION BLANKET, WITH VAPOR BARRIER, ON THE BACK OF ALL CEILING MOUNTED AIR DEVICES.
- FOR ALL CONTRACTOR TO PROVIDE TWO (2) 20X1/8" PLATED FILTERS AND FOUR (4) SETS OF KNURLED KNOBS TAPPED TO THE INSIDE OF THE GRILLE.
- PROVIDE ONE (1) ADDITIONAL SET OF KNURLED KNOBS TAPPED TO THE INSIDE OF THE GRILLE.

BUILDING ENVELOPE I-FACTORS:

ROOF: INSULATION DESIGN TEMP. SEE CHART ON SHEET M1.0 AT 50% R.H.
WALLS: 0.09 FOR BOTH SUMMER AND WINTER
GLASS: 0.38 ASSUMED SINGLE GLAZING
1" INSULATED LOW-E "GLASS IS TYPICAL USE 1" INSULATED LOW-E"
GLASS IN GEOPOLARIZATION FILM BETWEEN SOUTH AND SOUTHWEST
AND NORTHWEST (VERIFY WITH PETSMART).

WEATHER:
PROTOTYPE IS DESIGNED FOR INDIANAPOLIS. IN WEATHER CONDITIONS OF THE 2018 ASHRAE
WEATHER DATA: 1% COOLING FOR COOLING, 99% COOLING FOR HEATING.

INTERNAL LOADS:
GENERAL HEAT GAIN FROM PEOPLE : 250 BTU/H SENSIBLE, 200 BTU/H LATENT
GENERAL HEAT GAIN FROM ANIMALS / 164 LBS / 564 S.M DOGS 230 BTU/H TALL DOGS
164 LBS / 1 PERSON / 100' FLOOR AREA
LIGHTS - COUNT PER ELECTRICAL PANEL VOLTAGE FLAT VALUES AS PER LISTED BUDGET
EQUIPMENT - SEE LIST BELOW FOR VALUES USED PER ZONE.

SALES	PEOPLE	EQUIPMENT	VENTILATION (OUTDOOR AIR)	EXHAUST
TOILETS	1	500 WATTS	7.5 / 10 PEOPLE / AREA CFM	
ASSOC. RESOURCE	4	2500 WATTS	50 CFM / WATER CLOSET/JURAL	
BATHING	4		5.0 / 6 PEOPLE / AREA CFM	
DRYING	4	400 WATTS	7.5 / 10 PEOPLE / AREA CFM	0.9 CFM/PSF
	1	1200 WATTS	7.5 / 10 PEOPLE / AREA CFM	0.9 CFM/PSF
OFFICE	1	1200 WATTS	5.0 / 6 PEOPLE / AREA CFM	
VEHICULE			0.06 CFM / PERSON	
TELEPHOTOCOPY	1	2000 WATTS	20 CFM / PERSON	350 CFM
VAULT	1		5.0 / 6 PEOPLE / AREA CFM	
HALL			0.06 CFM / SQ FT	
RECEIVING (STORAGE)	3	6750 WATTS	10.12 CFM / SQ FT	
HOLDING			7.5 / 10 PEOPLE / AREA CFM	0.9 CFM/PSF
ISOLATION			7.5 / 10 PEOPLE / AREA CFM	0.9 CFM/PSF
RECEIVING EQUIPMENT	1	2500 WATTS	10.12 CFM / SQ FT	
ADOPTIONS	2		7.5 / 10 PEOPLE / AREA CFM	0.9 CFM/PSF

- | 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 VENTILATED BY CODE TO MAINTAIN 1 CFM/SF.

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

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

Humiditrol

Lennox Industries Humiditrol Map

VARIABLE ZONES

- Zone #5 - 60°F to 80°F wet bulb - Humidity required for OA 25% and higher.
- Zone #4 - 70°F to 75°F wet bulb - Humidity required for OA 25% and higher.
- Zone #3 - 70°F to 75°F wet bulb - Humidity required for OA 35% and higher.
- Zone #2 - 70°F to 75°F wet bulb - Humidity required for OA 35% and higher.
- Zone #1 - 70°F to 75°F wet bulb - Humidity required for OA 35% and higher.
- Zone #0 - 60°F to 65°F wet bulb - Humidity required for OA 45% and higher.
- Zone #6 - 60°F to 65°F wet bulb - Humidity not required.

IN/DO/OUTSIDE

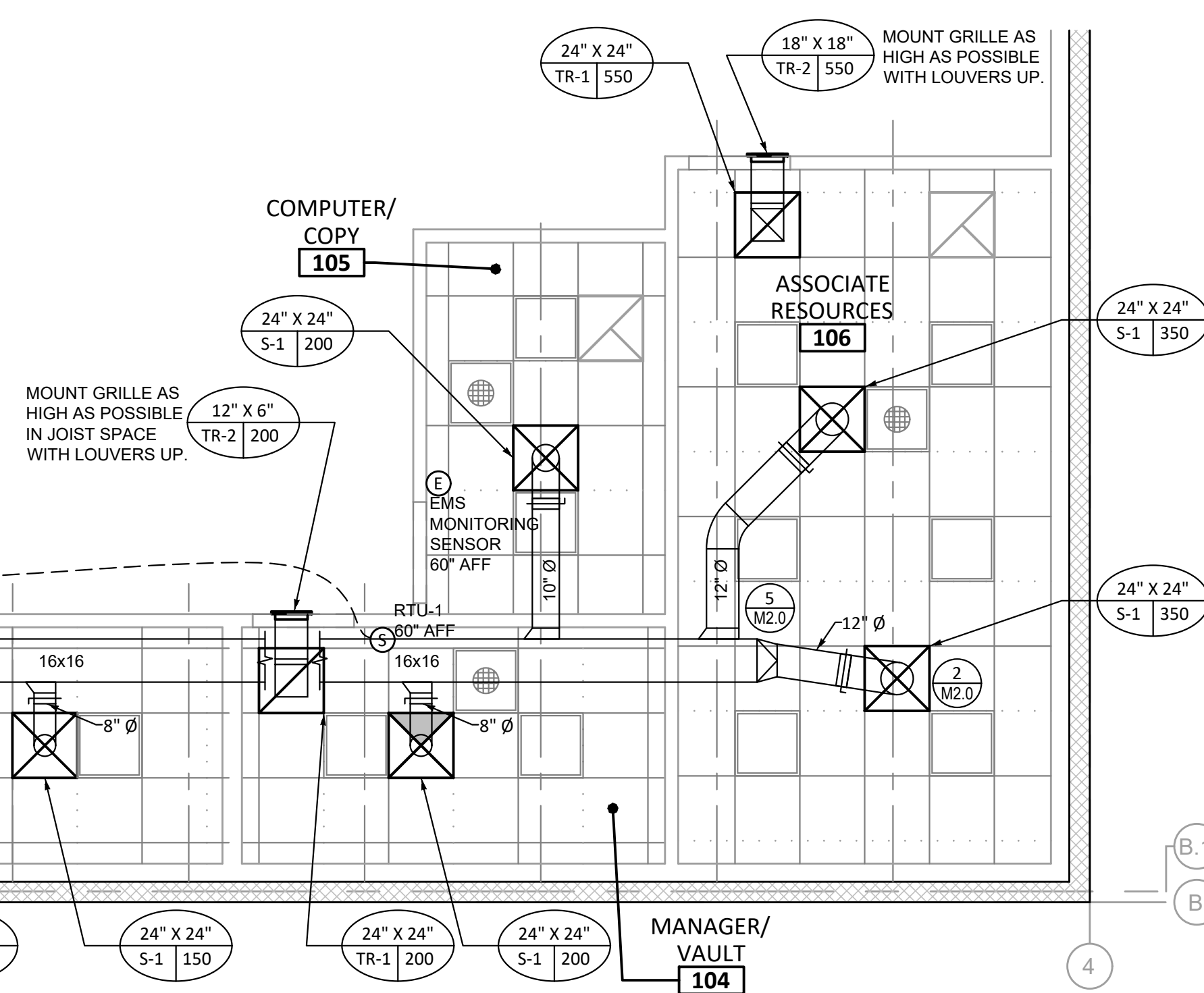
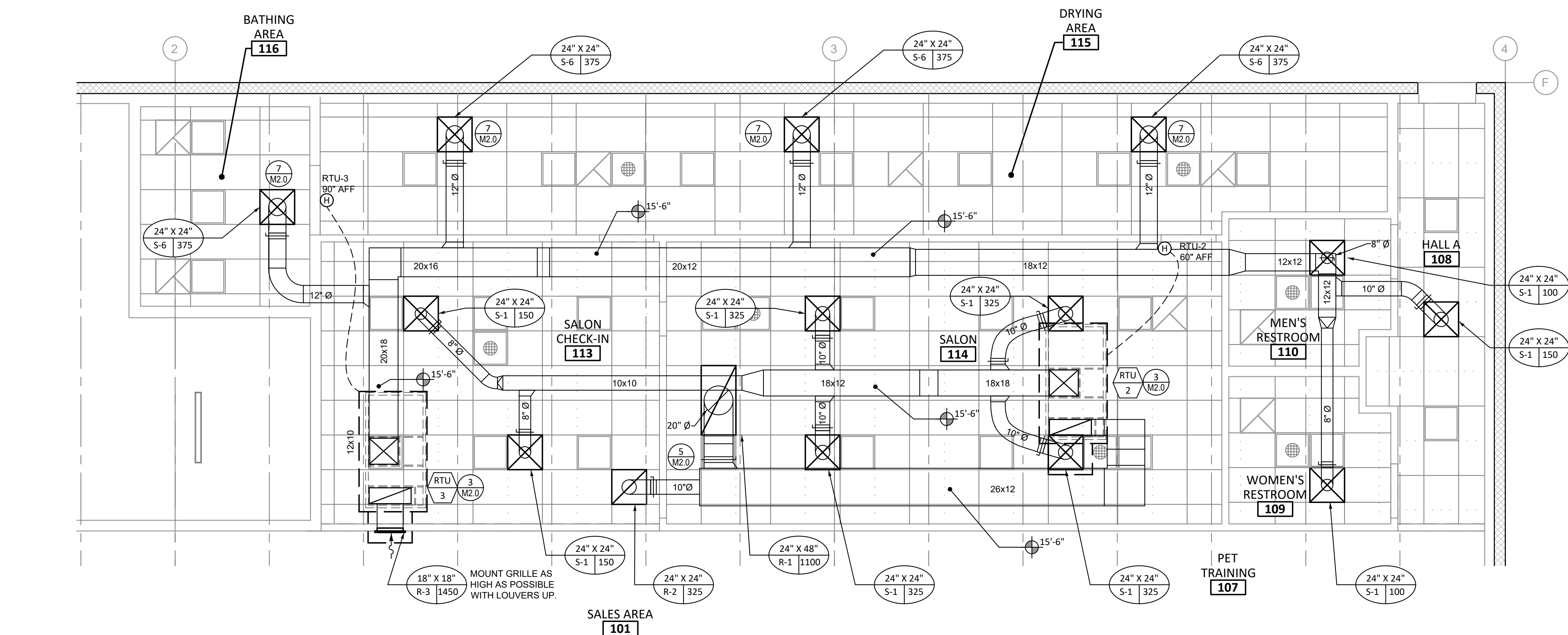
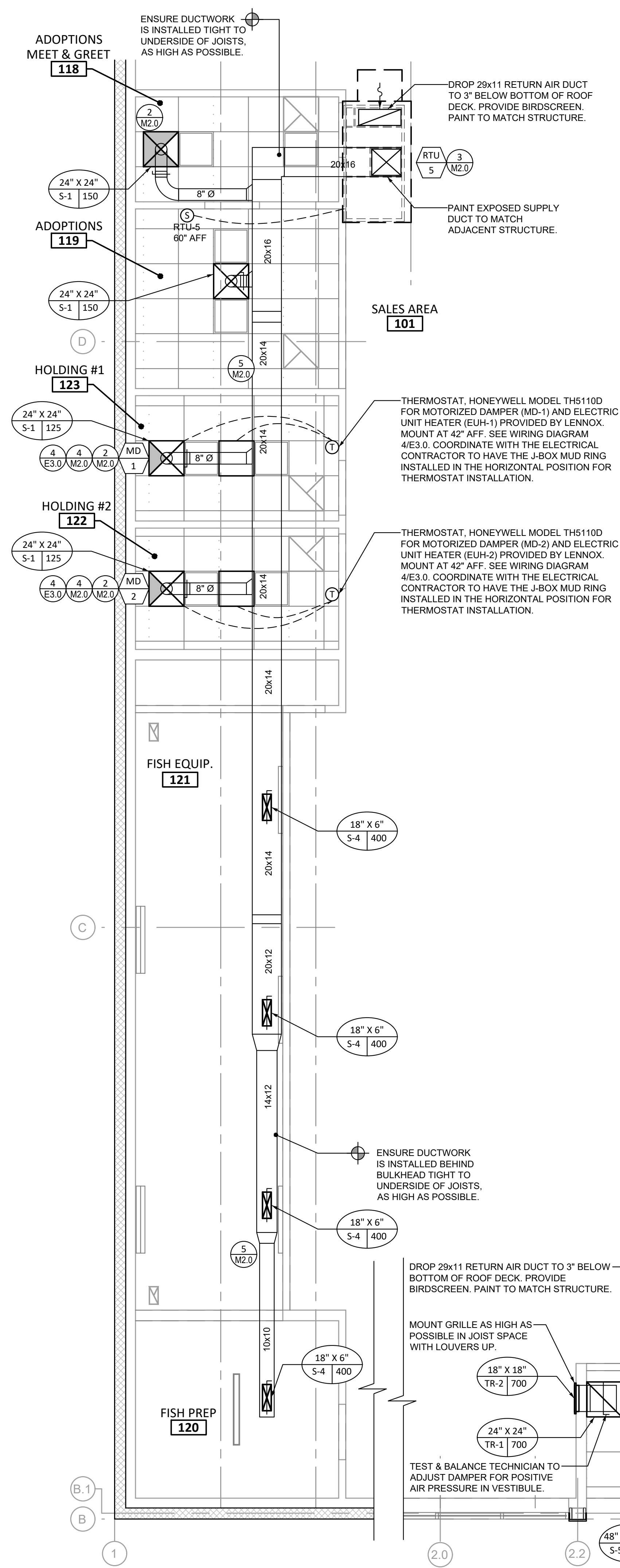
CLIMATE DATA

[illegible]

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

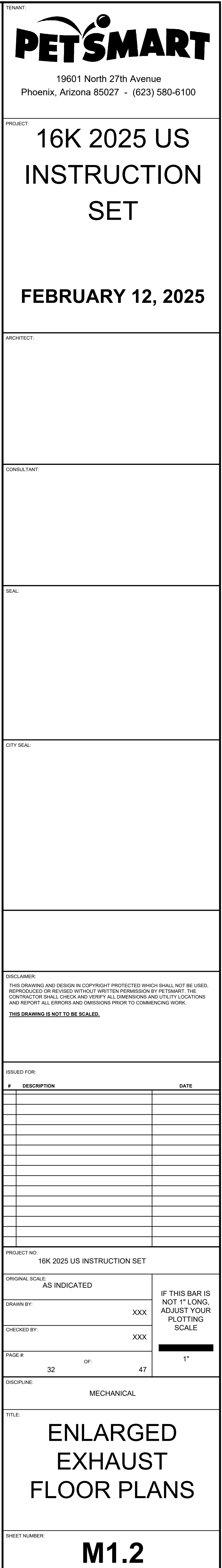
- ALL MOTORIZED DAMPERS SHALL BE PART OF THE LENNOX EQUIPMENT PACKAGE.
- DAMPER SHALL BE DIRECTLY CONNECTED TO THE DIFFUSER NECK.
- FULLY INSULATE DIFFUSER AND DAMPER. SEE DETAIL ON SHEET M2.0.
- SEE WIRING DIAGRAM ON SHEET M2.0 FOR ADDITIONAL INFORMATION ABOUT CONTROLLING DAMPER AND HEATER.
- MECHANICAL CONTRACTOR SHALL PROVIDE A 24VAC TRANSFORMER, DUCT THERMOSTAT WITH TEMPERATURE PROBE AND TWO (2) CONTROL RELAYS FOR EACH DAMPER.

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

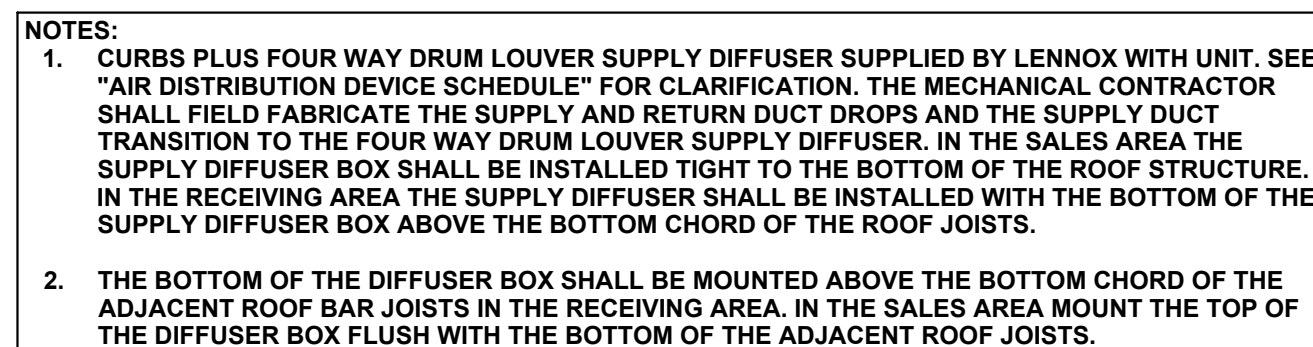


- ## NOTES TYPICAL FOR ALL DUCTWORK
- A. EXPOSED SUPPLY/RETURN DUCTWORK SHALL BE INTERNALLY LINED (NO DUCT WRAP INSULATION FOR EXPOSED DUCTWORK).
 - B. ALL CONCEALED SUPPLY AIR DUCTWORK (ABOVE T-BAR CEILINGS) IS TO BE THERMALLY INSULATED, INCLUDING FLEXIBLE SPIRAL DUCTING.
 - C. ALL VERTICAL SUPPLY AIR 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 VOLUME DAMPERS MUST HAVE FLUORESCENT TAPE FLAGGING TO IDENTIFY LOCATIONS FOR BALANCER.





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



DISCLAIMER:
THIS DRAWING AND DESIGN IN COPYRIGHT PROTECTED WHICH SHALL NOT BE USED OR 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.

[illegible]

PROJECT NO: 16K 2025 US INSTRUCTION SET

ORIGINAL SCALE:
AS INDICATED

DRAWN BY:

CHECKED BY _____

PAGE #:

MECHANICAL

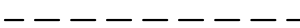
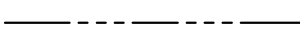
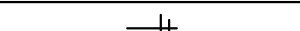
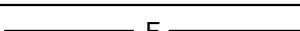
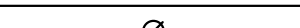
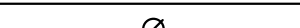
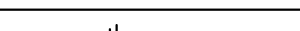
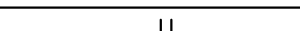
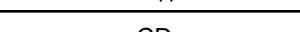
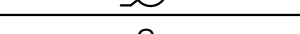
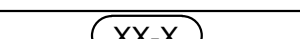
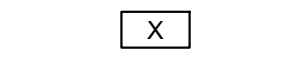
TITLE:

MECHANICAL DETAILS AND SYMBOLS

SHEET NUMBER

M2.0

PLUMBING FIXTURE SCHEDULE											
FIXTURE DATA						PLUMBING FIXTURE SPECIFICATION					
MARK	DESCRIPTION	LOCATION	MANUFACTURER	MODEL #	CONNECTION						
					CW	HW	TRAP	WASTE	VENT	GAL.	
DBP-1	DOMESTIC WATER BOOSTER PUMP	RECEIVING	TOWLE WHITNEY	TW1000-20W-40	1-1/2"	-	-	-	-	-	FLOOR MOUNT ADJACENT TO THE RPZ BACKFLOW PREVENTER ASSEMBLY WHERE SHOWN. BOOSTER PUMP ASSEMBLY PIPING CONNECTIONS TO THE 1-1/2" DOMESTIC WATER RISER SHALL INCLUDE A 1-1/2" QUARTER TURN BALL VALVE BY-PASS ASSEMBLY SHALL OPERATE AT 480V/3 PHASE AND SHALL BE A FACTORY ASSEMBLED, WIRED, AND TESTED PACKAGE PRESSURE BOOSTING SYSTEM. THE BOOSTER SYSTEM SHALL BE A FULCRUM PUMP CONTROL PACKAGE WITH A FULCRUM FREQUENCY DRIVE WITH TRANSDUCER, A PRE-PIPED 5 GALLON HYDRO-PNEUMATIC STORAGE TANK, PRESSURE GAUGE, RELIEF AND CHECK VALVES, TANK TEE, BRASS NIPPLE AND COPPER FITTINGS. THE SYSTEM SHALL BE SHIPPED WITH ALL COMPONENTS. SOME ASSEMBLY MAY BE REQUIRED. FOLLOW THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR PROPER ASSEMBLY. THE SYSTEM SHALL BE UL AND NSF61 LISTED. THE PUMP SHALL BE SIZED FOR 30 GPM WITH A 30 PSI BOOST. ELECTRICAL DESIGN IS BASED ON A SINGLE 3/4 HP PUMP. COORDINATE WITH THE ELECTRICAL CONTRACTOR IF PUMP HORSEPOWER IS DIFFERENT. PUMP PRESSURE TO BE SET AT 60 PSI.
EWC-1	ELECTRIC WATER COOLER	HALL A	OASIS	PG8ACSL-U	1/2"	-	1-1/4"	2"	1-1/2"	-	TWO STATION WALL MOUNT WATER COOLER. ADA. FRONT ONLY EASY TOUCH CONTROL. HIGH UNIT ON LEFT.
ET-1	EXPANSION TANK	RECEIVING	AMTROL	ST-25V	3/4"	--	-	-	-	-	WALL MOUNTED THERMAL EXPANSION TANK. INSTALL PER MANUFACTURER'S INSTRUCTIONS. FOR TWO TANK WATER HEATER SYSTEM.
FD-1	FLOOR DRAIN	RECEIVING, RESTROOMS	ZURN	ZN415B-3NH-P	-	-	3"	3"	1-1/2"	-	CAST IRON BODY WITH 3" NO-HUB BOTTOM OUTLET. COMBINATION CLAMP AND COLLAR WITH SEEPAGE SLOTS, 5" DIA. ADJUSTABLE NICKEL BRONZE STRAINER AND 1/2" TRAP PRIMER CONNECTION. PROVIDE WITH DEEP SEAL P-TRAP.
FD-2	FLOOR DRAIN	RECEIVING	ZURN	Z505-4NH-HP-P-VP	-	-	4"	4"	2"	-	CAST IRON BODY WITH 4" NO-HUB BOTTOM OUTLET, 12" DIA. CAST IRON TOP. SEEPAGE PAN AND COMBINATION MEMBRANE FLASHING CLAMP AND FRAME FOR HEAVY DUTY DEEP FLANGE SLOTTED GRATE. HEEL-PROOF GRATE, 1/2" TRAP PRIMER CONNECTION AND VANDAL-PROOF SECURED TOP. PROVIDE WITH DEEP SEAL P-TRAP.
HB-1	HOSE BIBB	EXTERIOR OF BUILDING	ZURN	Z1321	3/4"	-	-	-	-	-	EXPOSED ECOLOTROL "ANTI-SIPHON" AUTOMATIC DRAINING WALL HYDRANT WITH INTEGRAL BACKFLOW PREVENTER, COPPER CASING. ALL BRONZE INTERIOR PARTS WITH 1/2 TURN CERAMIC DISC CARTRIDGE AND COMBINATION 3/4" FEMALE SOLDER AND 3/4" MALE PIPE THREAD INLET, STAINLESS STEEL FACE WITH OPERATING KEY LOCK. ALL SOLDER CONNECTIONS ARE LEAD FREE.
HT-1	HAIR INTERCEPTOR	BATHING AREA	J.R. SMITH	8790	-	-	-	4"	-	-	HAIR INTERCEPTOR WITH YOKE TYPE COVER. TO BE INSTALLED IN MINIMUM 12X16 VAULT WITH NON-SLIP FLOOR FASTENED COVER.
L-1	LAVATORY	MEN'S/WOMEN'S RESTROOMS	KOHLER	K-2032 GREENWICH	-	-	-	2"	1-1/2"	-	20"x18" WALL MOUNT ADA COMPLIANT VITREOUS CHINA LAVATORY WITH FRONT OVERFLOW AND FAUCET HOLES ON 4" CENTERS. PROVIDE ZURN Z1231-EZ BACK-TO-BACK FLOOR MOUNTED IN-WALL FIXTURE CARRIER TO SUPPORT BOTH L-1 FIXTURES WITH ONE CARRIER.
LF-1	LAVATORY FAUCET	MEN'S/WOMEN'S RESTROOMS	ZURN	Z744-XL SIERRA	1/2"	1/2"					PROVIDE WITH LEAD-FREE BRUSHED NICKEL BRASS CENTERSET SINGLE CONTROL LEVER FAUCET W/ INTEGRAL SPOUT, CERAMIC DISC CARTRIDGE, AND 0.5 GPM VANDAL-RESISTANT SPRAY OUTLET.
LTW-1	LAVATORY TRAP WRAP	MEN'S/WOMEN'S RESTROOMS	TRUEBRO	LAV GUARD KIT #102							
MPS-1	MULTIPURPOSE SINK	HOLDING #1 HOLDING #2 FISH PREP	MUSTEE	15F UTILATUB	-	-	1-1/2"	1-1/2"	1-1/2"	-	SINGLE COMPARTMENT 19 GALLON SINK ONE-PIECE MOLDED CONSTRUCTION. ACCOMMODATES DUEL HANDLE FAUCET WITH 4" CENTER. HEAVY GAUGE STEEL LEGS WITH BUILT-IN LEVELERS. SECURE LEGS TO FLOOR.
MPSF-1	MULTIPURPOSE SINK FAUCET	HOLDING #1 HOLDING #2 FISH PREP	ZURN	Z-812M4	1/2"	1/2"					PROVIDE FAUCET WITH INTEGRAL VACUUM BREAKER, 3/4" THREADED OUTLET, PAIL HOOK AND WALL BRACE.
MS-1	MOP SINK	RECEIVING	ZURN	Z1986-24	-	-	-	3"	1-1/2"	-	MOP SERVICE BASIN 24"x24"x12" DEEP, MOLDED HIGH DENSITY COMPOSITE BASIN, PVC DRAIN BODY, STAINLESS STEEL STRAINER AND GASKETED OUTLET CONNECTION. PROVIDE 3 POSITION MOP BASIN HOSE HANGER, 3" WIDE X 26" LONG S.S. MOP HANGER WITH 3 RUBBER TOOL GRIP FITTINGS (ZURN MODEL Z1986-MH).
MSF-1	MOP SINK FAUCET	RECEIVING	ZURN	Z843M1-XL	3/4"	3/4"					PROVIDE FAUCET WITH INTEGRAL VACUUM BREAKER, 3/4" THREADED OUTLET, PAIL HOOK AND ADJUSTABLE WALL BRACE. INSTALL FAUCET AT 40" AFF.
MV-1	MIXING VALVE	RECEIVING	POWERS	HYDROGUARD LFMM434-1	1-1/4"	1-1/4"	-	-	-	-	LEAD FREE THERMOSTATIC MIXING VALVE WITH ROUGH BRONZE BODY, STANDARD TEMPERATURE RANGE, PARRAFIN-BASED THERMAL ACTUATION, DIRT AND LIME RESISTANT POPPETS AND SEATS, VIRTUAL SHUT-OFF ON LOSS OF INCOMING PRESSURE, VANDAL-RESISTANT LOCKING MECHANISM, ROTATABLE UNIFORM TRIPLE DUTY CHECKSTOPS, 1-1/4" INLETS AND 1-1/2" OUTLET. SET DISCHARGE TEMPERATURE AT 110 DEG. F. INSTALL MIXING VALVE PIPING CONNECTIONS TO THE WATER HEATERS PER THE PLANS FOR A TWO TANK WATER HEATER SYSTEM.
RH-1	ROOF HYDRANT	ROOF	WOODFORD	SRH-MS	3/4"	-	-	-	-	-	NON-FREEZE ROOF HYDRANT WITH 3/4" NPT INLET, WELL SEAL, RUBBER BOOT, AND MOUNTING SYSTEM CONSISTING OF: CAST IRON HYDRANT SUPPORT, CAST IRON SHIM, CAST IRON UNDER DECK FLANGE, AND MOUNTING BOLTS, NUTS, AND WASHERS. PROVIDE WITH MODEL 50HF ASSE 1052 DUAL CHECK - AUTO DRAIN BACKFLOW PREVENTER. SEE DETAIL ON SHEET P2.0.
RP-1	RECIRCULATION PUMP	RECEIVING	BELL & GOSSETT	NBF 22U	-	3/4"	-	-	-	-	DOMESTIC HOT WATER RECIRCULATION PUMP WITH BRONZE BODY. SYSTEM LUBRICATED CIRCULATOR, 92 WATTS, 115 V, 1 PHASE, 3000 RPM/AND 4 GPM @ 12 F.O.W.
RPA-1	RECIRCULATION PUMP AQUASTAT	RECEIVING	BELL & GOSSETT	AOS-3/4		3/4"					
RPZ-1	BACKFLOW PREVENTOR	RECEIVING	WATTS	LF009M2QT	1-1/2"	-	-	-	-	-	REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSEMBLY WITH BRONZE BODY CONSTRUCTION. QUARTER-TURN BALL VALVES, AND REPLACEABLE SEATS. MOUNT IN HORIZONTAL POSITION. PROVIDE WITH WATTS MODEL 908AGC AIR GAP FITTING. EXTEND DISCHARGE PIPING FULL SIZE AND WITHOUT TRAP TO DISCHARGE INTO FLOOR DRAIN.
S-1	SINK	SEE LOCATIONS ON DRAWINGS	ELKAY	PSRADQ191955L-3	-	-	1-1/2"	2"	1-1/2"	-	20 GAUGE 19-1/2" x 19" SINGLE COMPARTMENT 304 S.S. SINK WITH 16"x13-1/2" x 5-1/4" DEEP BOWL AND 3 HOLES. PROVIDE LK-35 STRAINER. PROVIDE P-TRAP WITH CLEANOUT PLUG.
SF-1	SINK FAUCET	SEE LOCATIONS ON DRAWINGS	ZURN	Z831C4-XL-2F	1/2"	1/2"					PROVIDE FAUCET WITH SWINGS SPOUT & 2.2 GPM VANDAL-RESISTANT PRESSURE COMPENSATING FEMALE AERATOR.
SST-1	WALL FAUCET	BATHING AREA	ZURN	Z843L1-90-Y-J	3/4"	3/4"	-	-	-	-	POLISHED CHROME 8" WASH DOWN FAUCET W/ VACUUM BREAKER SPOUT, INTEGRAL HOSE THREADED SPOUT, VANDAL RESISTANT COLOR CODED LEVER HANDLES AND SPLIT RING WALL BRACE.
TD-1	TRENCH DRAIN	DRYING AREA / BATHING AREA	ZURN	PERMA-TRENCH Z-886-HFP-GL-(2) E1-U4-DB			4"	4"	2"	-	6" WIDE PRE-SLOPED TRENCH DRAIN WITH INTEGRAL TOP FRAME, INTERLOCKING ENDS AND RADIUSED BOTTOM, PM886HPP HEEL-PROOF POLYETHYLENE GRATE, 4" NO-HUB BOTTOM OUTLET. LENGTH OF DRAIN PER DIMENSIONS ON A-2.0 SHEET. PROVIDE WITH BOTTOM DOME STRAINER.
TD-2	TRENCH DRAIN	FISH EQUIPMENT	ZURN	PERMA-TRENCH Z-886-(2) E1-US-SPECIAL	-	-	3"	3"	1-1/2"	-	8806N SECTION 10" W/ REBAR CLIPS @ CENTER WITHOUT GRATE. 6"x10"x8" DEEP. GRATE TO BE FLUSH WITH FIN. FLOOR. NO-LIP.
TG-1	TEMPERATURE GAUGE	RECEIVING	MILJOCO	B299951-2W	-	1/4"	-	-	-	-	TEMPERATURE GAUGE, 2-1/2" DIAMETER DIAL, STEEL CASE, ACRYLIC LENS, WHITE ALUMINUM DIAL WITH BLACK MARKINGS, BRASS MOVEMENT WITH PRECISION-MILLED TEETH, 1/4" NPT BOTTOM OUTLET, +/-3-2-3% ACCURACY, -40 TO 150 DEG. F PROCESS TEMPERATURE. INSTALL ACCESSIBLE ABOVE THE CEILING AT THE DISCHARGE OF THE SELF DGO WASH MIXING VALVE.
TP-1	TRAP PRIMER	SEE LOCATIONS ON DRAWINGS	PPP	P1-500 W/ TAPPED P-TRAP ADAPTER	1/2"	-	-	-	-	-	TRAP PRIMER VALVE WITH INTEGRAL BACKFLOW PREVENTER & VACUUM BREAKER PORT. PROVIDE DISTRIBUTION UNIT AS REQUIRED. ROUTE 1/2" PEX POLYETHYLENE TUBING DOWN IN WALL AND BELOW SLAB TO P-TRAP. PLUG UNUSED DISTRIBUTION UNIT PORTS.
U-1	URINAL	MEN'S RESTROOM	ZURN	Z5755-U	3/4"	-	2"	2"	2"	-	VITREOUS CHINA, WALL HUNG, INTEGRAL TRAP, WASH DOWN URINAL COMPLETE WITH 3/4" TOP SPUD CONNECTION, CONCEALED UNIVERSAL RETROFIT WALL BRACKET, 2" OUTLET CONNECTION AND VANDAL RESISTANT OUTLET STRAINER.
UF-1	URINAL FLUSH VALVE	MEN'S RESTROOM	ZURN	Z6003-WS1-YB	3/4"						PROVIDE WITH URINAL FLUSH VALVE - ZURN MODEL Z-6003-WS1-YB.
WB-1	ICE MAKER OUTLET BOX	ASSOCIATE RESOURCES	SIOUX CHIEF	696 SERIES "OX" BOX	1/2"	-	-	-	-	-	ABS OUTLET BOX WITH FRAME AND BRACKET. PROVIDE BALL VALVE WITH WATER HAMMER ARRESTOR AND 1/4" OUTLET. PROVIDE WATTS SERIES 7 DUAL CHECK VALVE AND BALL VALVE SHUT-OFF IN 1/2" CW SUPPLY LINE.
WC-1	WATER CLOSET	MEN'S/WOMEN'S RESTROOMS	MANSFIELD	148-122 - ADA	1/2"	-	-	4"	2"	-	FLOOR MOUNTED VITREOUS CHINA 1.6 GALLON FLUSH, WITH POLISHED CHROME LEVER HANDLE ACTUATOR, SMARTHEIGHT ELONGATED FRONT TWO PIECE, PRESSURE-ASSIST WATER CLOSET, 12" ROUGH-IN, WITH VANDAL RESISTANT KIT. PROVIDE CHURCH OPEN FRONT SEAT. LOW CONSUMPTION FIXTURE.
WH-1 WH-2	WATER HEATER	RECEIVING	BRADFORD WHITE	E32-80R-3-3H135	1-1/4"	1-1/4"	-	-	-	80	80 GALLON ELECTRIC WATER HEATER WITH THREE (3) 4.5KW ELEMENTS CAPABLE OF SIMULTANEOUS OPERATION FOR TOTAL INPUT OF 13.5KW, 208 VOLT/3 PHASE AND A MINIMUM RECOVERY OF 58 GPM @ 100°F TEMPERATURE RISE. THE WATER HEATER TANK SHALL BE HEAVY GAUGE ROLLED, FORMED, AND WELDED STEEL WITH VITRAGLAS ENAMEL LINING. 1-1/4" NPT FACTORY INSTALLED TRUE DIELECTRIC FITTINGS AND LOW RESTRICTION BRASS DRAIN VALVE, INSULATED WITH 2" NON-CFC FOAM INSULATION. PROVIDE UNIT WITH FACTORY INSTALLED HEAT TRAPS, FACTORY INSTALLED HYDROJET TOTAL PERFORMANCE SYSTEM, FULLY AUTOMATIC CONTROLS, PROTECTIVE MAGNESIUM ANODE ROD AND AN ASME RATED T & P RELIEF VALVE. THE ENTIRE INSTALLATION SHALL BE MADE IN COMPLIANCE WITH STATE AND LOCAL CODES AND ORDINANCES. THE T&P RELIEF LINE SHALL BE TERMINATED OVER THE FLOOR DRAIN (FD-1) FLOOR RIM WITH A MINIMUM 2" AIR GAP. SET WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
WH-1 WH-2	WATER HEATER	RECEIVING	BRADFORD WHITE	E32-80R-3-3L135	1-1/4"	1-1/4"	-	-	-	80	80 GALLON ELECTRIC WATER HEATER WITH THREE (3) 4.5KW ELEMENTS CAPABLE OF SIMULTANEOUS OPERATION FOR TOTAL INPUT OF 13.5KW, 208 VOLT/3 PHASE AND A MINIMUM RECOVERY OF 58 GPM @ 100°F TEMPERATURE RISE. THE WATER HEATER TANK SHALL BE HEAVY GAUGE ROLLED, FORMED, AND WELDED STEEL WITH VITRAGLAS ENAMEL LINING. 1-1/4" NPT FACTORY INSTALLED TRUE DIELECTRIC FITTINGS AND LOW RESTRICTION BRASS DRAIN VALVE, INSULATED WITH 2" NON-CFC FOAM INSULATION. PROVIDE UNIT WITH FACTORY INSTALLED HEAT TRAPS, FACTORY INSTALLED HYDROJET TOTAL PERFORMANCE SYSTEM, FULLY AUTOMATIC CONTROLS, PROTECTIVE MAGNESIUM ANODE ROD AND AN ASME RATED T & P RELIEF VALVE. THE ENTIRE INSTALLATION SHALL BE MADE IN COMPLIANCE WITH STATE AND LOCAL CODES AND ORDINANCES. THE T&P RELIEF LINE SHALL BE TERMINATED OVER THE FLOOR DRAIN (FD-1) FLOOR RIM WITH A MINIMUM 2" AIR GAP. SET WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
WH-1 WH-2	WATER HEATER	RECEIVING	BRADFORD WHITE	E32-80R-3-3H18	1-1/4"	1-1/4"	-	-	-	80	80 GALLON ELECTRIC WATER HEATER WITH THREE (3) 6KW ELEMENTS CAPABLE OF SIMULTANEOUS OPERATION FOR TOTAL INPUT OF 18KW, 208 VOLT/3 PHASE AND A MINIMUM RECOVERY OF 74 GPM @ 100°F TEMPERATURE RISE. THE WATER HEATER TANK SHALL BE HEAVY GAUGE ROLLED, FORMED, AND WELDED STEEL WITH VITRAGLAS ENAMEL LINING. 1-1/4" NPT FACTORY INSTALLED TRUE DIELECTRIC FITTINGS AND LOW RESTRICTION BRASS DRAIN VALVE, INSULATED WITH 2" NON-CFC FOAM INSULATION. PROVIDE UNIT WITH FACTORY INSTALLED HEAT TRAPS, FACTORY INSTALLED HYDROJET TOTAL PERFORMANCE SYSTEM, FULLY AUTOMATIC CONTROLS, PROTECTIVE MAGNESIUM ANODE ROD AND AN ASME RATED T & P RELIEF VALVE. THE ENTIRE INSTALLATION SHALL BE MADE IN COMPLIANCE WITH STATE AND LOCAL CODES AND ORDINANCES. THE T&P RELIEF LINE SHALL BE TERMINATED OVER THE FLOOR DRAIN (FD-1) FLOOR RIM WITH A MINIMUM 2" AIR GAP. SET WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
WH-1 WH-2	WATER HEATER	RECEIVING	BRADFORD WHITE	E32-80R-3-3L18	1-1/4"	1-1/4"	-	-	-	80	80 GALLON ELECTRIC WATER HEATER WITH THREE (3) 6KW ELEMENTS CAPABLE OF SIMULTANEOUS OPERATION FOR TOTAL INPUT OF 18KW, 208 VOLT/3 PHASE AND A MINIMUM RECOVERY OF 74 GPM @ 100°F TEMPERATURE RISE. THE WATER HEATER TANK SHALL BE HEAVY GAUGE ROLLED, FORMED, AND WELDED STEEL WITH VITRAGLAS ENAMEL LINING. 1-1/4" NPT FACTORY INSTALLED TRUE DIELECTRIC FITTINGS AND LOW RESTRICTION BRASS DRAIN VALVE, INSULATED WITH 2" NON-CFC FOAM INSULATION. PROVIDE UNIT WITH FACTORY INSTALLED HEAT TRAPS, FACTORY INSTALLED HYDROJET TOTAL PERFORMANCE SYSTEM, FULLY AUTOMATIC CONTROLS, PROTECTIVE MAGNESIUM ANODE ROD AND AN ASME RATED T & P RELIEF VALVE. THE ENTIRE INSTALLATION SHALL BE MADE IN COMPLIANCE WITH STATE AND LOCAL CODES AND ORDINANCES. THE T&P RELIEF LINE SHALL BE TERMINATED OVER THE FLOOR DRAIN (FD-1) FLOOR RIM WITH A MINIMUM 2" AIR GAP. SET WATER HEATER TEMPERATURE CONTROL AT 160 DEG. F.
NOTE: G.C. TO PURCHASE ALL PLUMBING FIXTURES BY NATIONAL VENDOR, NO SUBSTITUTIONS.											

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	W	DRAIN OR WASTE
	V	VENT PIPING
	CW	COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
	RWL	RAIN WATER LEADER
	S.O.V.	SHUT-OFF VALVE
	C.V.	CHECK VALVE
	VTR	VENT THRU ROOF
	-	UNION
	HB	HOSE BIBB W/ VACUUM BREAKER
	F	FIRE SPRINKLER LINE
	FD	FLOOR DRAIN
	FCO	FLOOR CLEANOUT
	GCO	GRADE CLEANOUT
	WCO	WALL CLEANOUT
	C/O	STORM PIPE CLEANOUT
	CD	CONDENSATE DRAIN PIPING
	R	GAS REGULATOR
	BV	CALIBRATED BALANCING VALVE
	G	GAS PIPING
	-	GAS SHUT-OFF/COCK VALVE (AT RTU)
	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.T.	NATIONAL PIPE THREAD
	N.S.T.	NATIONAL STANDARD THREADS
	N.T.S.	NOT TO SCALE
	XX-X	PLUMBING FIXTURE DESIGNATION
	XXX-X	HVAC EQUIPMENT DESIGNATION (FOR REFERENCE ONLY)
	-	CONN. TO EXISTING PIPING / ELEVATION
	-	PLUMBING KEYED NOTE

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

NOTE:
CONSTRUCTION TRADES MUST USE THE 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 2018 INTERNATIONAL PLUMBING CODE AND ALL APPLICABLE LOCAL AMENDMENTS.
B.	PLUMBING CONTRACTOR SHALL FIELD COORDINATE EXACT PIPE ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.
C.	<u>UTILITIES NOTES:</u>
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 PETSMAST 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 JUSTIFICATION FOR ANY EXTRA CHARGES.
D.	ALL FLOOR CLEANOUTS AT MAIN SALES FLOOR ARE TO BE LOCATED A MINIMUM OF 4" FROM FACE OF PALLET RACKS BUT NOT BENEATH - SEE PICTURE PLAN F1.0 FOR COORDINATION WITH RACKING.
E.	ALL FIRE AND DOMESTIC WATER PIPING SHALL BE INSTALLED ABOVE THE BOTTOM CHORD OF JOIST THROUGHOUT THE STAIRWELL AND HALLWAYS. ALL WATER FIXTURES SHALL HAVE A SHUT OFF VALVE AT ALL SUPPLY BRANCHES. BRANCH SHUT-OFF VALVES SHALL BE INSTALLED NO HIGHER THAN 12 INCHES ABOVE THE 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 OR 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 LARGER SIZE). SHALL BE FILLED WITH FINISH SURFACE OF WALL, WASTE/VENT. HIGHER SHOULD BE ROUGH-IN TO BE CENTERED 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 FICTIO INCORPORATED (A.F.I.) BEFORE INSTALLING CLEANOUT. LOWER CLEANOUT IF REQUIRED TO AVOID CONFLICT. <u>NEO PLASTICS ALLOWED IN ACROVYN WALL PANEL OR CERAMIC TILE.</u>
H.	ALL FAUCETS CAPABLE SHALL RECEIVE PLASTIC SLEEVES/INSERT TO ALLOW FAUCET SWIVEL.
I.	PRIOR TO SUBMITTING A BID THE PLUMBING CONTRACTOR SHALL VERIFY WITH LOCAL CODE OFFICIALS THAT PEX PIPING IS APPROVED FOR WATER DISTRIBUTION SYSTEMS. IF PEX PIPING IS APPROVED, ALL WATER PIPING 2" AND SMALLER (U.O.N.) SHALL BE PE3 POLYETHYLENE TUBING. LARGER WATER PIPING SHALL BE COPPER. INSTALL PEX TUBING PER MANUFACTURERS INSTRUCTIONS. <u>DO NOT STORE PEX TUBING AND FITTINGS IN DIRECT OR INDIRECT SUNLIGHT.</u>
J.	REFER TO SCHEMATIC GAS, WATER AND WASTE PIPING DIAGRAMS ON SHEETS P3.0 FOR ALL PIPE SIZE INFORMATION.
K.	PLUMBING CONTRACTOR SHALL FLUSH ALL SANITARY LINES AT THE END OF THE PROJECT TO ENSURE A FREE FLOWING SYSTEM AND VIDEO ALL LINES AND PROVIDE FINAL VIDEO TO PETSMAST CAT AT TURNOVER.
L.	IF THE STATIC WATER PRESSURE IS BELOW 60 PSI, AN ALTERNATE BOOSTER PUMP BID IS REQUIRED. IF THE STATIC WATER PRESSURE IS ABOVE 80 PSI, A PRESSURE REDUCING VALVE IS REQUIRED AND SHALL BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DOMESTIC WATER METER AND REDUCED PRESSURE ZONE (RP) BACKFLOW PREVENTER ASSEMBLIES ON THE INCOMING DOMESTIC WATER SERVICE LINE. SEE THE PLUMBING FIXTURE SCHEDULE ON SHEET P1.0 AND DETAIL 3P2.0 FOR CLARIFICATION.
M.	ALL PEX ROUGH-IN STUBS THRU WALL SHALL TRANSITION TO COPPER AT WALL PENETRATION AND CONTINUE TO THE 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 SHUT-OFF AT THE FIXTURE CONNECTIONS.
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 INSTALLATIONS.
S.	ALL SINK S-P TRAPS TO BE SUPPLIED WITH CLEANOUT PLUG.
T.	ALL PIPING IN AREAS WITH NO CEILINGS / OPEN TO CEED, 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.

PETSMART

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

PROJECT:

16K 2025 US INSTRUCTION SET

FEBRUARY 12, 2025

ARCHITECT:

CONSULTANT:

SEAL:

DESIGNER NOTE:
FOR THE PROJECT, BUILDING CODES SHALL BE USED ABOVE THE BOTTOM CHORD OF THE POLE THROUGHOUT THE STORE.

CITY SEAL:

DESIGNER NOTE:
FOR THE PROJECT, BUILDING CODES SHALL BE USED ABOVE THE BOTTOM CHORD OF THE POLE THROUGHOUT THE STORE.

DISCLAIMER:
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:

#	DESCRIPTION	DATE

PROJECT NO:
16K 2025 US INSTRUCTION SET

ORIGINAL SCALE: AS INDICATED	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE
DRAWN BY: XXX	
CHECKED BY: XXX	
PAGE # 34 OF: 47	
DISCIPLINE: PLUMBING	

TITLE:

PLUMBING NOTES & SCHEDULE

SHEET NUMBER:
P0.1

[illegible]

DESIGNER NOTE:
ON A PROJECT SPECIFIC BASIS, THE DESIGNER DOES NOT RECOGNIZE THE MODIFICATIONS REQUIRED TO LOCATE THE TRIP LEVER FOR LEFT HAND TRIP LEVER OR RIGHT HAND TRIP LEVER.

DESIGNER NOTE:
NORTHERN CLIMATES:
ROUND WATER TEMPERATURE
LESS THAN 52 DEG. F
USE WATER HEATERS WITH
CHECK ELEMENTS.
OF 18KW
PROVIDE 200
2-800

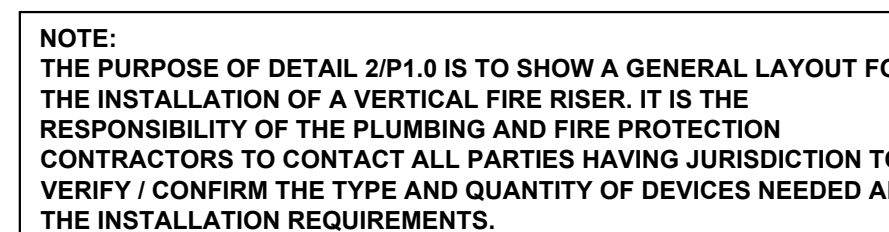
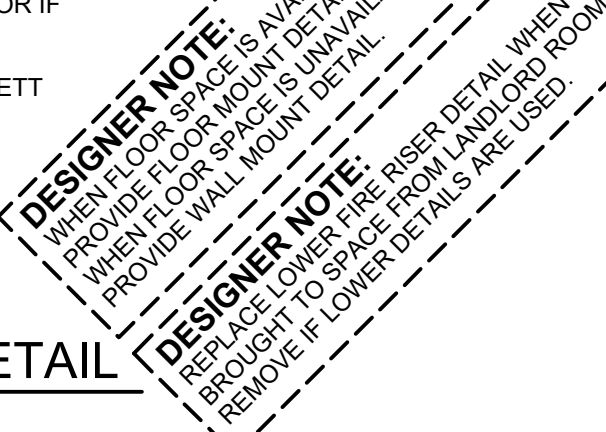
DESIGNER NOTE:
REMOVE URINAL FOR
PROJECTS WITHOUT URINALS.

DESIGNER NOTE:
OFFICIAL CALLS FOR THE ADDITION
OF A HAIR TRAP REMOVE FROM
SCHEDULE IF NOT REQUESTED.

SIGNER NOTE:
REMOVE WHEN WATER PRESSURE IS 60 PSI OR LOWER. WATER ENGINEER PROVIDES
PUMP WHEN PRESSURE WILL WORK
AND 80 PSI. MOUNTED ON THE
CLOCKFLOW PREVENTS
FLOOR SPACE

DESIGNER NOTE:
ON A PROJECT SPECIFIC BASIS,
STORE DESIGN INCLUDES A
PETSOTEL, REQUEST PETSOTEL
TOTYPE, FROM PETSOTEL
PORTE APPLICABLE
FIXTURES, EQUIPMENT,
AND SPECIFICATIONS AS

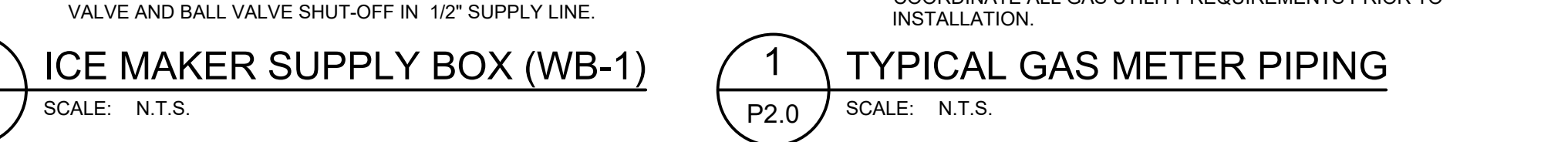
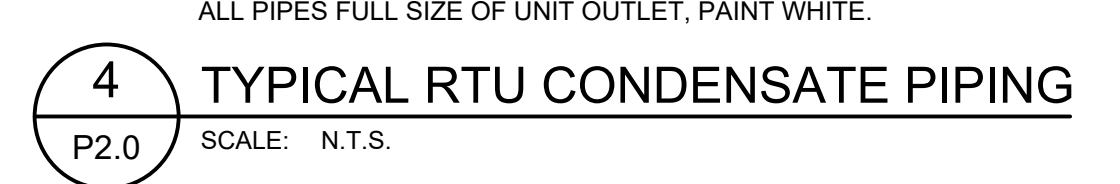
DESIGNER NOTE:
DO NOT DEViate FROM THE ORIGINAL
AND BASIC CONTENT OF THE KEY
NOTES. ADD NEW NOTES TO BOTTOM
NOTES THAT DO NOT APPLY TO
PARTICULAR PROJECT SHALL BE
NOTED TO 'NOT USED'.



- SHEET NUMBER: _____

P1.0





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

LIGHTING SYMBOLS

ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT

 	• 4 1/2" x 49" TYPE 'A4' LED LIGHT. • 4 1/2" x 97" TYPE 'A8' LED LIGHT. • 24" x 24" LED LIGHT. • 24" x 24" NIGHT LED LIGHT. • 48" LINEAR WALL MOUNTED LED LIGHT. • EXTERIOR RECESSED LED DOWN LIGHT. • EXTERIOR WALL MOUNTED FIXTURE. • EXIT SIGNS (PENDANT MOUNTED). • EXIT SIGNS (WALL / BULKHEAD MOUNTED). • TWO-HEAD EMERGENCY FIXTURE MOUNT TO STRUCTURE (UNDERSIDE OF JOIST) IN SALES & RECEIVING. CEILING MOUNT IN ROOMS WITH LAY-IN CEILINGS. • TWO-HEADED EMERGENCY EGRESS FIXTURE. • EMERGENCY EGRESS FIXTURE BATTERY UNIT. • SINGLE POLE TOGGLE SWITCH MOUNTED AT 42" A.F.F. TO CENTER OR AS NOTED HUBBELL #1221, 20A, 120/277V, (WHITE). • SINGLE POLE DIMMER SWITCH MOUNTED AT 42" A.F.F. TO CENTER OR AS NOTED LUTRON #0W5WH, 8A, 120/277V, (WHITE). PROVIDE PURPLE AND GRAY WIRES TO LIGHTS CONTROLLED. • THREE WAY TOGGLE SWITCH MOUNTED AT 42" A.F.F. TO CENTER OR AS NOTED HUBBELL #1223, 20A, 120/277V, (WHITE). • CEILING MOTION SENSOR - "SENSOR SWITCH" MODEL #OAC-OT, LINE VOLTAGE - MICROSET DUAL TECH • NIGHT LIGHT WIRED TO AN UNSWITCHED CIRCUIT. • EMERGENCY LIGHT WIRED TO AN UNSWITCHED CIRCUIT.
--	---

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

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

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

UTILITY X.F.M.R. SECONDARY:	20,056 A.I.C.
FUSED DISCONNECT SWITCH:	17,955 A.I.C.
MAIN DISTRIBUTION PANEL:	17,800 A.I.C.
PANEL "HA":	16,070 A.I.C.
PANEL "LDP":	7,187 A.I.C.
LIGHTING CONTACTORS:	9,171 A.I.C.
PANEL "LA":	6,640 A.I.C.
PANEL "LB":	1,776 A.I.C.
PANEL "FC":	4,479 A.I.C.
PANEL "GA":	2,848 A.I.C.
RTU-8 (NEAREST RTU/HIGHEST AVAILABLE FAULT CURRENT)	3,610 A.I.C.

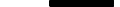
ELECTRICAL GENERAL NOTES

1. ALL LED AND/OR FLUORESCENT LAMPS NOT INCLUDED WITH FIXTURES ARE FURNISHED BY THE GENERAL CONTRACTOR THROUGH NATIONAL ACCOUNT VENDOR.
2. PROVIDE FIXTURE SAFETY CHAINS WHERE REQUIRED.
3. ALL LAY-IN FIXTURES SHALL BE FURNISHED WITH "FIXTURE SUPPORT CLIPS" PER NEC SECTION 410.
4. OFFSET LIGHT FIXTURES AS NEEDED TO CLEAR STRUCTURAL BRIDGING ACROSS STORE.
5. ALL LIGHT SWITCHES SHALL BE LOCATED AS CLOSE AS POSSIBLE TO ADJACENT DOOR FRAMES AT A.D.A. HEIGHTS. COORDINATE LOCATIONS WITH ALL FIXTURES/EQUIPMENT.
6. ALL LIGHTING SHALL BE CIRCUITED AS SHOWN TO ALLOW MULTI-LEVEL SWITCHING FOR ENERGY MANAGEMENT CONTROL, SEE SHEET EM2.
7. CONDUIT AND PIPING SHALL BE ROUTED PARALLEL WITH WALLS IN MAIN SALS AND RECEIVING. RUNS SHALL BE GROUPED TOGETHER WHERE PRACTICAL & HOLD AS HIGH AS POSSIBLE AND SUSPEND TIGHT TO UNDERSIDE OF THE TOP CORO OF JOIST. ENTIRE INSTALLATION SHALL BE INSTALLED PER THE NEC.
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 NEC.
11. GENERAL CONTRACTORS SHALL CONTACT NATIONAL ACCOUNT VENDOR FOR BID PRICING ON FIRE AND BURGLAR ALARM SYSTEMS - SEE SPECIFICATIONS.
12. PROVIDE (2) PULL STRINGS IN EACH EMPTY CONDUIT FOR DATA & PHONE BOXES.
13. REFER TO ENERGY MANAGEMENT SHEETS EM1 & EM2 FOR SENSOR MOUNTING.
14. SEE ARCHITECTURAL ELEVATION DRAWINGS FOR EXACT PLACEMENT OF OUTLETS.
15. E.C. TO VERIFY EXACT CONDUIT SIZE PRIOR TO ROUGH-IN OF BOXES FOR PHONE AND DATA.
16. WHERE CONDUITS, DEVICE BOXES, ETC. ARE SURFACE MOUNTED, SEAL ALL PENETRATIONS WITH SIKKA, SIKAFLEX 1A POLYURETHANE SEALANT.
17. ALL LIGHT FIXTURES DESIGNATED 'EM' OR 'NL' TO BE UNSWITCHED. UNO.
18. SEE SHEET ED 1 FOR ONE LINE DIAGRAM KEYED NOTES.
19. PROVIDE CONDUIT FOR LOW VOLTAGE WIRING WHEN REQUIRED BY CODE. TERMINATE PHONE & DATA WIRING AT PETSMART SERVER LOCATION.
20. ALARM PACKAGE: THE ALARM PACKAGE WILL REQUIRE AN AVERAGE OF 15 CONDUIT DROPS WITH BOXES, AND 35 BACK BOXES (ONLY) FOR CEILING MOUNTED DEVICES - THIS IS SUBJECT TO CHANGE BASED ON LOCAL REQUIREMENTS AND FINAL STORE DESIGN. ALL CEILING MOUNTED ALARM & INTRUSION DEVICES WILL REQUIRE A BACK BOX PROVIDED BY THE E.C. ANY QUESTIONS, CONTACT NATIONAL ACCOUNT VENDOR - ADT COMMERCIAL (864) 235-6411. SEE ARCHITECTURAL DRAWING F2.0 PRODUCT SCHEDULE.
21. LED CIRCUIT: WHEN USING MULTI-BRANCH WIRE CIRCUITS WITH A SHARED NEUTRAL, DO NOT OPERATE ANY CIRCUIT WITH THE NEUTRAL OPEN. ALSO ENSURE ALL NEUTRAL CONNECTIONS ARE SECURE BEFORE ENERGIZING THE CIRCUIT. AN OPEN NEUTRAL CAN CAUSE AN OVERVOLTAGE CONDITION AT THE LUMINAIRE POWER SUPPLY.
22. E.C. IS RESPONSIBLE TO OBTAIN QUOTES FROM NATIONAL ACCOUNTS VENDOR.

2. THE INTEGRATED POWER CENTER (IPC) SHALL BE DELIVERED IN TWO (2) SHIPPING SPLITS. SEE ELEVATION 6163 FOR ADDITIONAL INFORMATION. INSURE THAT ALL INTERNAL CONDUCTORS ARE ESTIMATED PROPERLY. CONNECT CABINET SECTIONS FOR A COMPLETE INSTALLATION. SEE NOTE 11 BELOW.
3. PROVIDE A MAXIMUM OF 10'-0" PRODUCE WALK TO MEET THE FOOTPRINT REQUIREMENTS (INCLUDES N.E.C. CODE CLEARANCE).
3. TOP LIFT PROVISIONS FOR EASE OF LIFTING AND SETTING THE INTEGRATED POWER CENTER (IPC) AGAINST BUILDING WALL. THE INTEGRATED POWER CENTER (IPC) WEIGHT IS 1800 LBS.
4. THE INTEGRATED POWER CENTER (IPC) WILL BE DELIVERED WITH THE TRANSFORMER LOOSE.
5. E.C. SHALL BE RESPONSIBLE FOR THE PURCHASE OF NATIONAL ACCOUNTS VENDOR'S INTEGRATED POWER CENTER (IPC) AND LOOSE PANELS INDICATED. E.C. SHALL PROVIDE PURCHASE ORDER TO NATIONAL ACCOUNTS VENDOR A MINIMUM OF 6 WEEKS PRIOR TO DELIVERY REQUIREMENTS TO GUARANTEE A MANUFACTURING SLOT IN THE SCHEDULE TO MEET REQUESTED DELIVER DATE. CONTACT NATIONAL ACCOUNTS VENDOR 2 WEEKS PRIOR TO DELIVERY AND PRODUCT COORDINATION REQUIREMENTS. SEE SHEET F2.0 FOR NATIONAL ACCOUNT VENDORS CONTACT INFORMATION. NOTE: CONTACT NATIONAL ACCOUNTS VENDOR 2 WEEKS PRIOR TO DELIVERY OF THE INTEGRATED POWER CENTER (IPC) TO OBTAIN ELECTRICAL DRAWINGS (FINAL EQUIPMENT LOCATIONS - STUB-UP COORDINATION).
6. E.C. RESPONSIBLE TO RE-TORQUE ALL PRE-WIDED FEEDER/BRANCH CIRCUIT TERMINATIONS UPON DELIVERY OF THE INTEGRATED POWER CENTER (IPC).
6. E.C. RESPONSIBLE FOR OFF LOADING AND SETTING THE PREFABRICATED INTEGRATED POWER CENTER (IPC) WHEN IT ARRIVES ON SITE.
8. IT IS THE E.C.'S RESPONSIBILITY TO OBTAIN QUOTES FROM NATIONAL ACCOUNT VENDOR(S).
9. E.C. IS RESPONSIBLE TO GIVE NATIONAL ACCOUNTS VENDOR A 6 WEEK WRITTEN REQUEST OF THE REQUIRED ON-SITE DATE. SEE CONTACT INFORMATION FOR FURNISHING IN 45 ABOVE.
10. E.C. IS TO CONTACT NATIONAL ACCOUNTS VENDOR TO OBTAIN SITE SPECIFIC DRAWINGS. DRAWINGS IN THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. NATIONAL ACCOUNTS VENDOR WILL PROVIDE A SET OF ELECTRICAL DRAWINGS TO THE E.C. SO ACCURATE ROUGH-IN COORDINATION CAN BE COMPLETED.
11. IT IS THE RESPONSIBILITY OF THE E.C. TO DETERMINE IF AN EXTERIOR MEANS OF DISCONNECT IS REQUIRED. IF SO, PLEASE REFER TO THE OPTIONS SECTION IN THE NATIONAL ACCOUNTS VENDOR PROPOSAL TO CHOOSE THE PRICE ADDER FOR A SHUNT TRIP OR FUSIBLE DISCONNECT.

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

1. POWER COMPANY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH UTILITY COMPANY. VERIFY SERIES OF FUSES AND FUSE RATING. VERIFY THAT THEIR A.I.C. RATING IS GREATER THAN AVAILABLE FAULT. SEE FAULT CALCULATION THIS SHEET.
2. PRIMARY SERVICE: PAD; SIZE PER UTILITY COMPANY PRIMARY FEED.
3. TRANSFORMER PAD: MINIMUM CONCRETE, PER UTILITY COMPANY REQUIREMENTS.
4. 400A ELECTRICAL SERVICE, TWO (2) SETS OF 3" C. WITH (4) 3/4" (XHW) PER UTILITY COMPANY REQUIREMENTS.
5. EXTENSION OF FUSES AND FUSE RATING PER UTILITY COMPANY REQUIREMENTS.
6. UTILITY COMPANY METER, PER UTILITY COMPANY REQUIREMENTS.
7. ENERGY MONITORING METER, SMARTCELL PHASE LOSS MONITOR KW PULSE METER PROVIDED, INSTALLED, & WIRED BY NATIONAL ACCOUNTS VENDOR IN INTEGRATED POWER CENTER (IPC) ENCLOSURE.
8. E.M.S. CONTROLLER, TO (E.M.S.) CONTROLLER, CONTRACTOR TO COORDINATE WITH EQUIPMENTS WITH NATIONAL ACCOUNTS VENDOR.
9. MAIN BONDING JUNCTION: #2/0 CU (VERIFY).
10. GROUND BOND: #2/0 CU BOND TO COLD WATER MAIN AND BUILDING STEEL, EXTEND SYSTEM CONDUIT TO SPRINKLER.
11. GROUND ROD: THREE (3) 3/4" x 10' LONG COPPER CLAD STEEL RODS 10' AT SPART. PER N.E.C. 250.52 (3).
12. M.D. SEE MDP SCHEDULE.
13. PHASE LOSS MONITOR PROVIDED: (3) BY NATIONAL ACCOUNTS VENDOR - INSTALLED WITHIN THE INTEGRATED POWER CENTER (IPC). (1) 2 CONDUCTOR 18 GA. TO EMS NATIONAL ACCOUNTS VENDOR CONTROL.
14. PHASE LOSS FEEDER: PROVIDE (3) #12 THN CU, 1/2" TO PHASE LOSS MONITOR. SEE SHEET EMD FOR CONNECTION REQUIREMENT.



PROJECT	
---------	--

16K 2025 US INSTRUCTION SET

FEBRUARY 12, 2025

ARCHITECT

CONSULTANT

SEAI =

CITY SEAL:

DISCLAIMER

THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR

[illegible]

PROJECT N

ORIGINAL SCALE:

10

100

10

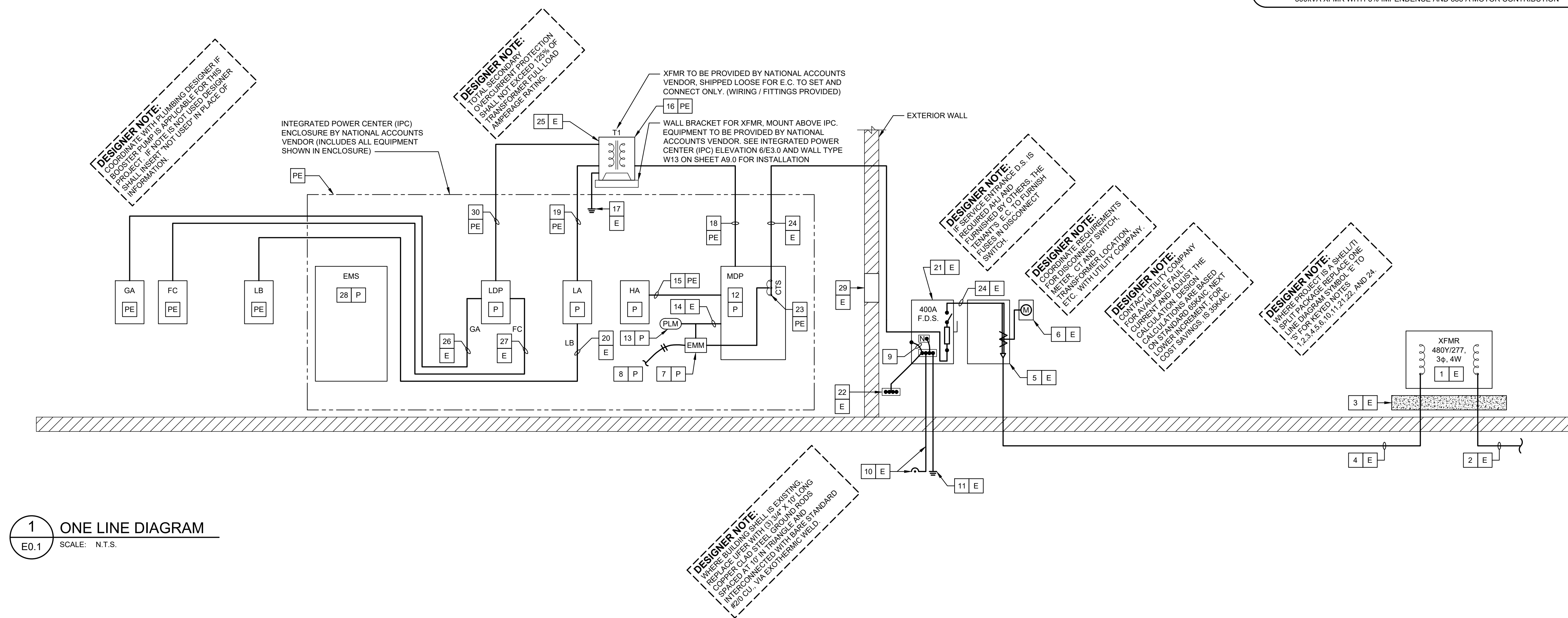
ELECTRICAL

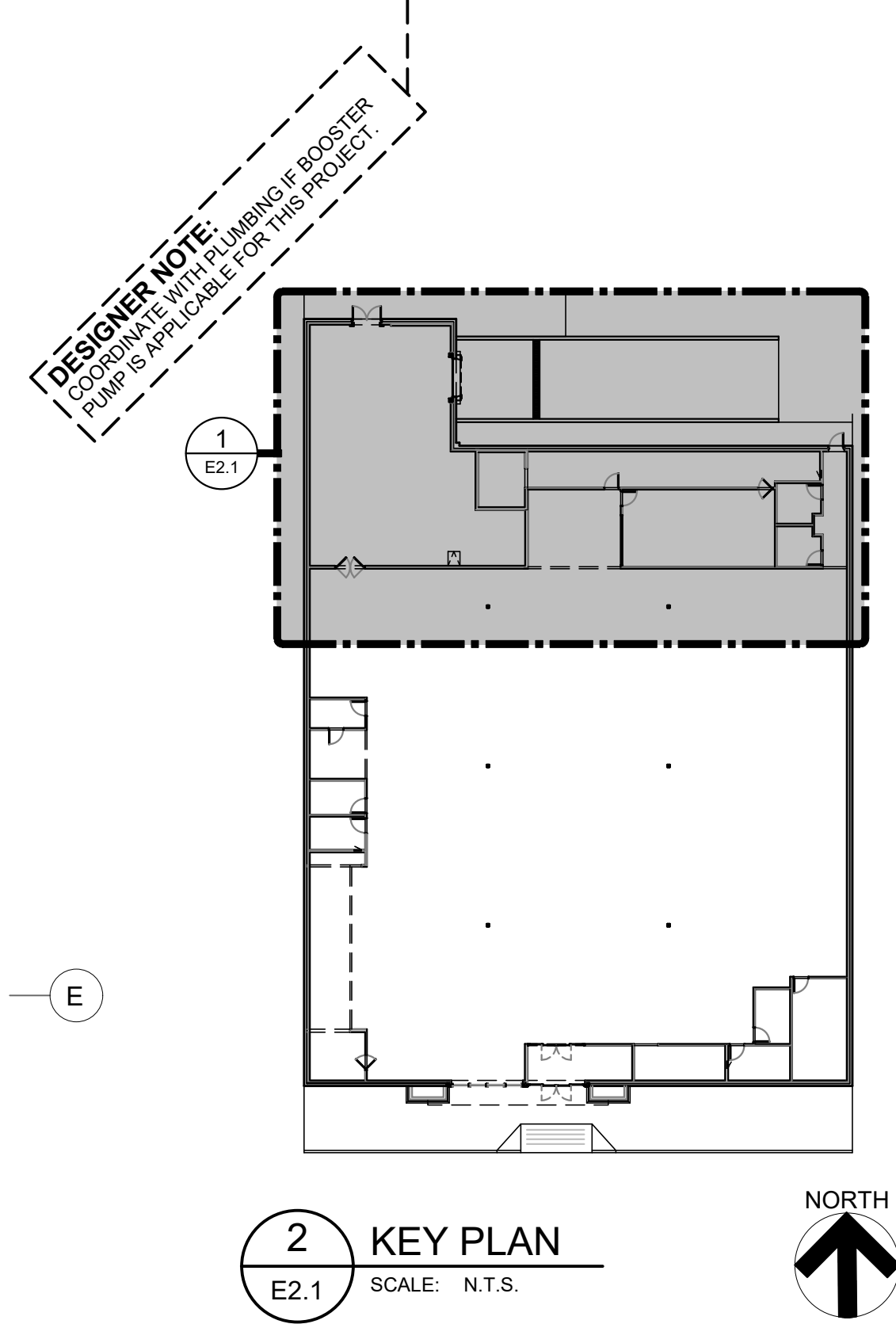
TITLE:

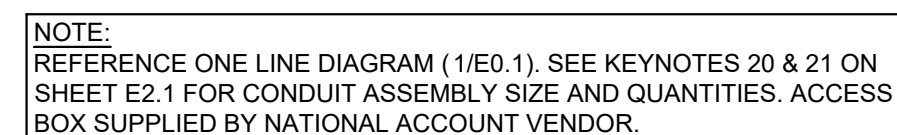
ELECTRICAL NOTES AND ONE-LINE DIAGRAM

SHEET NUMBER

E0.1



[illegible]



E3.0 SCALE: N.T.S.



THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR

[illegible]

PROJECT NO: 16K 2025 US INSTRUCTION SET

ORIGINAL SCALE:
AS INDICATED

DRAWN BY:

CHECKED BY _____

1

1

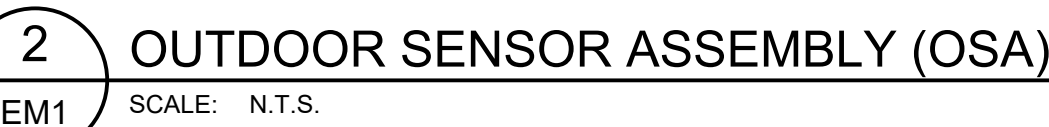
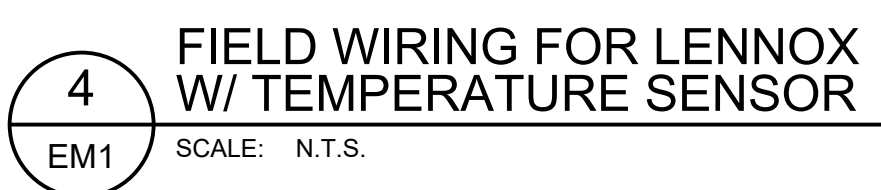
DISCIPLINE

TITLE:

ELECTRICAL POWER DETAILS

SHEET NUM

E3.0



EM1

