ABBREVIATIONS

& A	AND	F.A.P.	FIBER REINFORCED PLASTIC
L	ANGLE	F.S.R.	FLEXIBLE SHEET ROOFING
@	AT	FT.	FOOT/FEET
℄	CENTERLINE	F.T.	FULLY TEMPERED
DIG OR ~	DIAMETER	FTG.	FOOTING
S.F.	SQUARE FOOT	FUT.	FUTURE
#	ROUND OR NUMBER	F.V.	FIELD VERIFY
±	PLUS OR MINUS		
A.B.	ANCHOR BOLT	GA.	GAUGE
A/C	AIR CONDITIONING	GALV.	GALVANIZED
ACOUST.	ACOUSTICAL	G.B.	GRAB BAR
ADJ.	ADJUSTABLE	GEN.	GENERAL
A.F.F.	ABOVE FINISH FLOOR	G.A.	GENERAL CONTRACTOR
A.F.G.	ABOVE FINISH GRADE	GL.	GLASS/GLAZING
ALUM.	ALUMINUM	GRAN.	GRANULAR
APPROX.	APPROXIMATE	G.S.M.	GALVANIZED SHEET METAL
ARCH.	ARCHITECT(URAL)	G.V.	GAS VALUE
ASPH.	ASPHALT	GYP.	GYPSUM
ATTEN.	ATTENTION	GYPWBD.	GYPSUM WALL BOARD
		GYPWBE.	
BD.	BOARD	H OR H.C.	HANDICAPPED
BIT.	BITUMINOUS	H.B.	HOSE BIBB
BLDG.	BUILDING	HDWD.	HARDWOOD
BLK.	BLOCK	HWDR.	HARDWARE
BKLG.	BLOCKING	HGT.	HEIGHT
BM.	BEAM	H.M.	HOLLOW METAL
B/O	BY OTHERS	HORIZ.	HORIZONTAL
BOT.	BOTTOM	H.P.	HIGH POINT
BRG.	BEARING	H.S.	HEAT STRENGTH
BRK.	BRICK	HTG.	HEATING
BRMTL.	BREAK METAL	HVAC	HEATING VENTILATION. A/C
B.U.R.	BUILT-UP-ROOFING	H.W.	HOT WATER
C.	CHANNEL	I.D.	INSIDE DIAMETER
CAB.	CABINET	IN.	INCHE(S)
C.B.	CATCH BASIN	INCL.	INCLUDE
C/C OR C.C	CENTER TO CENTER	INSUL.	INSULATION
CER.	CERAMIC	INT.	INTERIOR
C.I.	CAST IRON	INV.	INVER
CLG.	CEILING	I.P.S.	IRON PIPE SYSTEM
CLO.	CLOSET		
℄	CENTERLINE	J.C.	JANITOR CLOSET
C.M.U.	CONCRETE MASONRY UNIT	JAN.	JANITOR(IAL)
C.O.	CASED OPENING	JT.	JOINT
COL.	COLUMN		
COMB.	COMBINATION	KIT.	KITCHEN
COMP.	COMPACT(ED)	K.O.	KNOCKOUT
CONC.	CONCRETE		
CONST.	CONSTRUCTION	LAB.	LABORATORY
CONT.	CONTINUOUS	LAM.	LAMINATE
CORR.	CORRIDOR	LAV.	LAVATORY
C.A.	CHROME PLATED	LB.	POUND
C.W.	COLD WATER	L.L.	LIVE LOAD
C.J.	CONTROL JOINT	L.P.	LOW POINT
CLR.	CLEAR	LT.	LIGHT
		LT. WT.	LIGHT WEIGHT
		L.L.W.	LONG LEG HORIZONTAL
DBL.	DOUBLE	L.L.V.	LONG LEG VERTICAL
DEPT.	DEPARTMENT		
DIA. OR ~	DIAMETER	MAS.	MASONRY
D.A.	DRINKING FOUNTAIN	MAX.	MAXIMUM
DIV.	DIVISION	M.C.	MEDICINE CABINET
D.L.	DEAD LOAD	MECH.	MECHANICAL
DN.	DOWN	MFR.	MANUFACTURER
DO.	DITTO	M.H.	MAN HOLE
DR.	DR	MIN.	MINIMUM
D.S.	DOWNSPOUT	MISC.	MISCELLANEOUS
DTL.	DETAIL	M.O.	MASONRY OPENING
DWG.	DRAWING	M.R.	MOISTURE RESISTANT
		MTD.	MOUNTED
E	EAST	MTL.	METAL
EA.	EACH	MULL.	MULLION
E.J.	EXPANSION JOINT		
EL.	ELEVATION	N.	NORTH
ELEC.	ELECTRICAL	N.A.	NOT APPLICABLE
ELEV.	ELEVATOR	NEC'Y.	NECESSARY
EMER.	EMERGENCY	N.I.C.	NOT IN CONTRACT
ENCL.	ENCLOSURE	NO.	NUMBER
ENG.	ENGINEER	NOM.	NOMINAL
E.P.	ELECTRICAL PANEL	NON COMB.	NON COMBUSTIBLE
EQ.	EQUAL	N.T.S.	NOT TO SCALE
EQUIPT.	EQUIPMENT	O.A.	OVERALL
E.W.C.	ELECTRIC WATER COOLER	O.C.	ON CENTER
E.W.	EACH WAY	O.D.	OUTSIDE DIAMETER
EQPT.	EXISTING	O.DR.	OVERFLOW DRAIN
EXP.	EXPANSION	OFF.	OFFICE
EXT.	EXTERIOR	OPNG.	OPENING
		OPP.	OPPOSITE
		O.T.O.	OUT TO OUT+
F.A.	FIRE ALARM	PART.	PARTICLE OR PARTIAL
F.B.	FACE BRICK	PEMB.	PRE ENGINEERED METAL BUILDING
F.D.	FLOOR DRAIN	P.L.	PROPERTY LINE
FDN.	FOUNDATION	PL.	PLATE
F.A.	FIRE EXTINGUISHER	P. LAM.	PLASTIC LAMINATE
F.A.C.	FIRE EXTINGUISHER CABINET	PLAS.	PLASTER
F.H.C.	FIRE HOSE CABINET	PLBG.	PLUMBING
FIN.	FINISH	PLYWD	PLYWOOD
FLR.	FLOOR	PNL.	PANEL
FLUOR.	FLUORESCENT	PORC.	PORCELAIN
FRM.	FRAME	POR.	POUNDS PER
F.A.	FIRE RESISTANT	P.S.F.	SQUARE FOOT
F.A.T.	FIRE RETARDANT TREATED		

PR.	POINT		
P.T.	PRESSURE TREATED		
PARTN.	PARTITION		
R.	RISER		
R.A.	RETURN AIR		
ROD.	RADIUS		
RD.	ROOF DRAIN		
REC.	RECESSED		
REF.	REFERENCE		
REFR.	REFRIGERATOR		
REG.	REGISTER		
REINF.	REINFORCE(D)		
REQ'D	REQUIRED		
RES.	RESILIENT		
RM.	ROOM		
R.O.	ROUGH OPENING		
S.	SOUTH		
SCHED.	SCHEDULE		
SECT.	SECTION		
SHT.	SHEET		
SIM.	SIMILAR		
S.M.	SHEET METAL		
SPEC.	SPECIFICATION		
SQ. FT.	SQUARE FEET		
SQ.	SQUARE		
S.S.	STAINLESS STEEL		
ST.	STREET		
STOR.	STORAGE		
STRUCT.	STRUCTURAL		
SUSP.	SUSPENDED		
SYM.	SYMMETRICAL		
T.	TREAD		
TEL.	TELEPHONE		
TME.	TO MATCH EXISTING		
TEMP.	TEMPERED		
T&B	TOP AND BOTTOM		
T&G	TONGUE AND GROVE		
THRU.	THROUGH		
T.S.	TUBE STEEL		
T.V.	TELEVISION		
TYP.	TYPICAL		
T/C OR T.O.C.	TOP OF CURB/CONCRETE		
T/D OR T.O.D.	TOP OF DRAIN		
T/P OR T.O.P.	TOP OF PARAPET		
T/S OR T.O.S.	TOP OF STEEL		
T/W OR T.O.W.	TOP OF WALL		
U.N.O.	UNLESS NOTED OTHERWISE		
UR.	URINAL		
VAR.	VARIES/VARIBLE		
V.C.C.	VITRIFIED CLAY PIPE		
V.C.T.	VINYL COMPOSITION TILE		
V.B.	VAPOR BARRIER		
VERT.	VERTICAL		
V.I.F.	VERIFY IN FIELD		
W.	WEST		
W/	WITH		
W/O	WITHOUT		
W.A.	WATER CLOSET		
WD.	WOOD		
W.A.	WIDE FLANGE		
W.I.	WROUGHT IRON		
WIN.	WINDOW		
W.P.	WATERPROOF		
W.M.	WIRE MESH		
W.W.F.	WELDED WIRE FABRIC		
W.W.M.	WELDED WIRE MESH		
WATER-RES.	WATER RESISTANT		
WSCT.	WAINSCOT		
WT.	WEIGHT		
W.V.	WATER VALUE		

GENERAL NOTES

A. ALL CONTRACTORS SHALL GUARANTEE ALL WORK EXECUTED UNDER THIS CONTRACT; BOTH AS TO MATERIAL AND WORKMANSHIP, FOR A PERIOD OF TWELVE (12) MONTHS AFTER THE DATE OF WRITTEN ACCEPTANCE, UNLESS OTHERWISE SPECIFICALLY PROVIDED IN THE CONTRACT. HE SHALL REPLACE WITH NEW MATERIALS, INCLUDING THE INSTALLATION THEREOF, ANY OR ALL PARTS GIVING INDICATION OF DEFECTIVE MATERIAL, OR FAULTY WORKMANSHIP DURING SUCH TIME. ANY REPLACING REPAIRING DURING THE GUARANTEE PERIOD SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER AND AT SUCH TIME AS WILL OCCASION THE LEAST INCONVENIENCE. IN ADDITION, ANY DAMAGE TO ADJACENT AREAS/SURFACES SHALL ALSO BE REPAIRED TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.

B. ARCHITECTURAL DRAWINGS ARE TYPICALLY DRAWN TO A REPRESENTATIVE SCALE WHICH IS NOTED ON EACH INDIVIDUAL DRAWING. THIS SCALING CAUSES THE DRAWING TO BE PROPORTIONAL IN ITS REPRESENTATION OF THE WORK. DRAWING REPRODUCTION METHODS ARE NOT CONSIDERED PERFECT, HOWEVER, AND EACH SUCCESSIVE PLOT, COPY OR BLUEPRINT MAY INTRODUCE A SLIGHT ERROR TO THE DRAWINGS. FOR THIS REASON, NO PERSON SHOULD EVER USE A RULER. ARCHITECT'S SCALE OR ENGINEER'S SCALE AND ATTEMPT TO MEASURE ANY PORTION OF ANY DRAWING IN ORDER TO DETERMINE AN EXACT DIMENSION. NUMERICAL DIMENSIONS ARE GIVEN. IF THESE PROVE TO BE INSUFFICIENT OR CONTRADICTORY, THE CONTRACTOR MUST CONTACT THE ARCHITECT FOR FINAL VERIFICATION. WORK BASED UPON SCALED DIMENSIONS MAY BE SUBJECT TO REPAIR OR REPLACEMENT AS THE SOLE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.

C. WHERE APPROXIMATE DIMENSIONS ARE INDICATED (+/-), THEY SHALL BE CONSIDERED VARIABLE TO ALLOW FOR EXISTING CONDITIONS. ALL OTHER DIMENSIONS SHALL BE CONSIDERED FIXED UNLESS MODIFIED BY CHANGE ORDER OR SPECIFIC WRITTEN INSTRUCTION FROM THE ARCHITECT.

D. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY VERIFICATIONS AND/OR DISCREPANCIES FROM THE DIMENSIONS AND DETAILS SHOWN ON THESE DRAWINGS.

E. PROPOSED SUBSTITUTIONS OR CHANGES TO ITEMS SPECIFIED IN THESE DOCUMENTS ARE SUBJECT TO ARCHITECT APPROVAL. FINAL FINISHES AND PAINT COLOR SELECTIONS NOT EXPLICITLY STATED HEREIN ARE TO BE SELECTED BY OWNER.

F. PROVIDE TEMPORARY PROTECTION FOR INSTALLED PRODUCTS AND FINISHES TO PREVENT DAMAGE. ALL ITEMS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT NO COST TO THE OWNER.

G. HVAC, PLUMBING, AND ELECTRICAL SYSTEMS ARE INCLUDED IN THIS CONTRACT. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF MEP SUBCONTRACTORS WITH THE ARCHITECTURAL DRAWINGS AND TO ENSURE THAT ALL WORK DONE ON THE PREMISE SATISFIES ALL GOVERNING AGENCIES.

H. ALL PERMITS AND FEES OUTSIDE OF THE GENERAL BUILDING PERMIT ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

I. WORK DESIGNATED AS BY "G.C." OR BY "GENERAL CONTRACTOR" MAY BE DELEGATED BY G.C. TO SUBCONTRACTORS BY CONTRACT.

J. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTING FABRICATION PROCESS AND FOR TECHNIQUES OF ASSEMBLY NOT EXPLICITLY DETAILED OR DESCRIBED IN THE CONSTRUCTION DOCUMENTS.

K. CONTRACTORS SHALL VISIT THE SITE OF THE PROPOSED WORK AND PERFORM A DUE-DILIGENCE REVIEW OF CONDITIONS AND RESTRICTIONS OF THE SITE TO FULLY ACQUAINT THEMSELVES SO THAT THEY MAY FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES AND RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK. LOCATIONS OF ALL EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING EXACT LOCATIONS OF ALL UTILITY STRUCTURES AND LINES PRIOR TO THE COMMENCEMENT OF THE WORK.

L. CONTRACTOR TO PROVIDE, COORDINATE AND PAY FOR ALL TEMPORARY UTILITIES REQUIRED FOR THE EXECUTION OF THE WORK.

M. ALL CONSTRUCTION METHODS AND MATERIALS SHALL COMPLY WITH ANY AND ALL APPLICABLE CODES, REGULATIONS AND LAWS.

N. CONTRACTOR SHALL FURNISH ALL ITEMS SHOWN ON THE DRAWINGS UNLESS SPECIFICALLY NOTED OTHERWISE, EITHER ON THE DRAWINGS OR IN THE SPECIFICATIONS.

O. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FLOOR FINISH MATERIALS TO ENSURE THAT TRANSITIONS BETWEEN FLOORING MATERIALS WILL BE SMOOTH AND IN ACCORDANCE WITH THE DRAWINGS. UNLESS OTHERWISE STATED, CHANGES IN FLOORING MATERIALS SHALL OCCUR AT THE CENTERLINE OF DOORS.

P. ALL STUDS, CEILING FURRING AND FRAMING MEMBERS SHALL BE SO PLACED AS TO AVOID INTERFERENCE WITH LOCATIONS OF CASEWORK, RECESSED LIGHTING FIXTURES, PIPING, DUCTWORK, AND THE LIKE.

Q. PARTITIONS AT ALL WALL-MOUNTED MILLWORK, EQUIPMENT AND ACCESSORIES SHALL HAVE SUPPORT BLOCKING.

R. PROJECT (INTERIOR/EXTERIOR AND ENTIRE SITE IF APPLICABLE) MUST BE CLEANED PRIOR TO PUNCH-LIST INSPECTION AND MUST BE LEFT IN OR RESTORED TO CLEAN CONDITION UPON PROJECT COMPLETION. CONTRACTORS SHALL BE RESPONSIBLE FOR CLEANING ALL GLASS SURFACES AND FLOOR SURFACES PRIOR TO OCCUPANCY OF THE SPACE BY OWNER. ALL TRASH, CONSTRUCTION DEBRIS, TOOLS, ETC. SHALL BE REMOVED BY CONTRACTORS PRIOR TO OCCUPANCY. CONTRACTORS SHALL ALSO BE RESPONSIBLE FOR CLEANING UP ALL PUBLIC AREAS AND REMOVING ALL TRASH, CONSTRUCTION DEBRIS, TOOLS, ETC. UPON COMPLETION OF PROJECT.

S. PRE-ENGINEERED METAL BUILDING MANUFACTURER TO COORDINATE THEIR DESIGN WITH THESE PLANS. ALL CLEARANCES SHALL BE PROVIDED AS INDICATED ON DETAILS. ANY ALTERATIONS TO STRUCTURAL DIMENSIONS BY PEMB MANUFACTURER MUST BE SIGNIFICANTLY MADE KNOWN TO THE ARCHITECT VIA E-MAIL CONTAINING ELECTRONIC CAD FILE FOR COMPARISON AND SPECIFIC DETAILS OF THE ALTERATION.

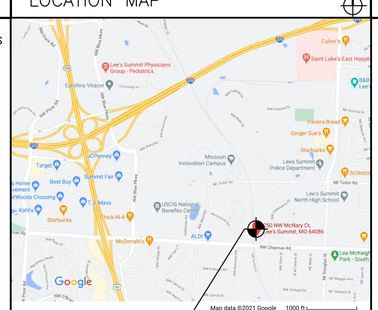
T. IF ANY CONFLICTS, ERRORS, OR OMISSIONS APPEAR IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNER, ARCHITECT, AND ENGINEERS IN WRITING OF SUCH ERRORS OR OMISSIONS IMMEDIATELY UPON DISCOVERING THE ERROR OR OMISSION.

U. SHOULD CONFLICTS OCCUR WITHIN THE CONTRACT DRAWINGS OR SPECIFICATIONS, THE HIGHER QUALITY OR LARGER QUANTITY SHALL BE ADOPTED FOR ESTIMATION PURPOSES AND SHALL BE FURNISHED AND INSTALLED.

DRAWINGS SYMBOLS

- ELEVATION DESCRIPTION / ELEV. = 100'-0" — ELEVATION
- CL — FACE OF FOUNDATION
- BLDG / A — COLUMN REFERENCE
- 1 / AX.X — SECTION REFERENCE
- 1 / AX.X — 1 4 2 3 / AX.X — ELEVATION REFERENCE
- 1 / AX.X — DETAIL REFERENCE
- BREAKLINE
- 118A — DOOR / WINDOW REFERENCE
- A — PARTITION TYPE REF. CORRESPONDS TO WALL TYPE SCHEDULE
- ROOM NAME / 100 — ROOM REFERENCE
- 8 — KEYNOTE REFERENCE
- E 00 — EQUIPMENT TAG (CORRESPONDS TO EQUIPMENT SCHEDULE)

LOCATION MAP



BUILDING LOCATION

CONTACT INFORMATION

ARCHITECT
GPD GROUP PROFESSIONAL CORPORATION
520 S. MAIN ST., SUITE 2531
AKRON, OH 44311
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OWNER
T.M. CROWLEY & ASSOCIATES
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CONTACT: CRAIG W. FORGEY
PHONE: 317-819-0116
EMAIL: cforgey@tmcrowley.com

PETSUITES CY20-Q3.0

NEW FACILITY FOR:

PetSuites of America

250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

CODE DATA

CODES:

BUILDING CODE:	2018 INTERNATIONAL BUILDING CODE
ACCESSIBILITY CODE:	2009 ICC A117.1 ACCESSIBLE STANDARDS
HVAC CODE:	2018 INTERNATIONAL MECHANICAL CODE
PLUMBING CODE:	2018 INTERNATIONAL PLUMBING CODE
ENERGY CODE:	ASHRAE 90.1 2007
ELECTRIC CODE:	2017 NATIONAL ELECTRIC CODE
FIRE CODE	2018 INTERNATIONAL FIRE CODE
FUEL GAS CODE	2018 INTERNATIONAL FUEL GAS CODE

PROJECTED DESCRIPTION

NEW 14,123 S.F. (GROSS) PET BOARDING AND DAYCARE FACILITY WITH FUTURE VETERINARY CLINIC LOCATED ON PREVIOUSLY UNDEVELOPED SITE. WORK INCLUDES NEW BUILDING SITE IMPROVEMENTS, MECHANICAL, ELECTRICAL AND PLUMBING WORK AS OUTLINED IN THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.

3,880 SQ. FT. ADJACENT FUTURE VETERINARY CLINIC WILL BE UNDER SEPARATE SUBMITTAL. INTERIOR OF SPACE IS NOT IN GPD's SCOPE OF WORK.

CHAPTER 3 – USE & OCCUPANCY CLASSIFICATION

USE GROUPS:
SECTION 302 — B (BUSINESS) PET SUITES; B (BUSINESS) FUTURE VET CLINIC (N.I.C.)

CHAPTER 5 – ALLOWABLE BUILDING HEIGHTS AND AREAS

ALLOWABLE BUILDING HEIGHT: 75'-0"
ACTUAL BUILDING HEIGHT: 27'-0"
ALLOWABLE BUILDING AREA: 92,000 SQ. FT.

PET SUITES GROSS BUILDING AREA: 10,243 SQ. FT.
ADJACENT TENANT (NOT IN SCOPE): 3,880 SQ. FT.
TOTAL GROSS BUILDING AREA: 14,123 SQ. FT.

CHAPTER 6 – TYPES OF CONSTRUCTION

II-B (UNPROTECTED)
BUILDING IS SPRINKLED

ADDITIONAL PET SUITES AREA CODE REVIEW

OCCUPANCY
TABULAR:

ANIMAL BOARDING AREAS / OFFICE / BUSINESS AREAS:
- DOG BOARDING AREAS: 7,427 SQ. FT. / 300 SQ. FT. PER = 25
- CAT BOARDING ROOM: 133 SQ. FT. / 300 SQ. FT. PER = 1
- OFFICE AND BUSINESS AREAS: 1,823 SQ. FT. / 100 SQ. FT. = 19
- ACCESSORY STORAGE AREAS / MECHANICAL EQUIPMENT ROOMS: 449 SQ. FT. / 300 SQ. FT. PER = 2

TABULAR OCCUPANCY TOTAL = 47

ACTUAL:
- PETSUITES STAFF COUNT AT PEAK SHIFT = 15
  (2) GROOMERS, (4) OFFICES, (9) DOG BOARDING
- LOBBY OCCUPANCY: 928 SQ. FT. / 100 SQ. FT. PER = 9
  PETSUITES STANDARD: OWNER + DOG-ON-LEASH REQUIRES 10'-0" CIRCULAR AREAS = 100 SF/PP)
- ACTUAL OPERATIONAL OCCUPANCY TOTAL = 21

CHAPTER 10 – MEANS OF EGRESS

EGRESS WIDTH PER OCCUPANT SERVED:
- TOTAL OCCUPANTS = 38
- REQUIRED WIDTH 0.20 PER OCCUPANT = 9.6"
- MIN. CLEAR DOOR WIDTH (ADA) = 32"

MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD:
- MINIMUM NUMBER OF EXITS = 2
- NUMBER OF EXITS PROVIDED = 5
- MAX. TRAVEL DISTANCE = 300' (PER TABLE 1017.2)

CHAPTER 29 – PLUMBING SYSTEMS

TABLE 2902.1 – MINIMUM NUMBER OF REQUIRED PLUMBING FACILITIES

MALE:
- MINIMUM WATER CLOSETS REQUIRED: 1 PER 25 FOR THE FIRST 50, 1 PER 50 AFTER FIRST 50
- ACTUAL OCCUPANCY: 48/2 = 24
  - REQUIRED: 1
  - PROVIDED: 1
- MINIMUM LAVATORIES REQUIRED: 1 PER 40 FOR THE FIRST 80, 1 PER 80 AFTER FIRST 80
- ACTUAL OCCUPANCY: 48/2 = 24
  - REQUIRED: 1
  - PROVIDED: 1

FEMALE:
- MINIMUM WATER CLOSETS REQUIRED: 1 PER 25 FOR THE FIRST 50, 1 PER 50 AFTER FIRST 50
- ACTUAL OCCUPANCY: 48/2 = 24
  - REQUIRED: 1
  - PROVIDED: 1
- MINIMUM LAVATORIES REQUIRED: 1 PER 40 FOR THE FIRST 80, 1 PER 80 AFTER FIRST 80
- ACTUAL OCCUPANCY: 48/2 = 24
  - REQUIRED: 1
  - PROVIDED: 1

DRINKING FOUNTAIN:
- MINIMUM NUMBER REQUIRED: 1 PER 100
- NUMBER PROVIDED: 1

SERVICE SINK:
- MINIMUM NUMBER REQUIRED: 1
- NUMBER PROVIDED: 2

FINISHES
A. INTERIOR FLOOR FINISHES SHALL BE CLASS II FOR COMMERCIAL APPLICATION. FIRE RATING SHALL BE CLASS II / ASTME 84, COMPLYING WITH DOC-FF-1.
B. WALL COVERING SHALL BE IN ACCORDANCE WITH ASTM E 84, CLASS A FLAME SPREAD REQUIREMENTS, SMOKE DEVELOPMENT LESS THAN 450.
C. ALL FABRIC MATERIAL NOT MEETING MINIMUM CODE REQUIREMENTS SHALL BE TREATED WITH FLAME RESISTANT COATING TO COMPLY WITH NFPA 701.
D. DECORATIVE MATERIALS, WHERE REQUIRED TO BE FLAME RESISTANT, SHALL COMPLY WITH NFPA 701 AND SHALL BE LIMTED TO 10% OF THE AGGREGATE AREA OF WALLS AND CEILINGS.
E. CEILING PANELS SHALL BE IN ACCORDANCE WITH ASTM E, 84 CLASS A FLAME SPREAD REQUIREMENTS, SMOKE DEVELOPMENT OF LESS THAN 450.

DRAWINGS INDEX

REVISION DATE: XX.XX.XX
REVISION DATE: XX.XX.XX
REVISION DATE: XX.XX.XX
REVISION DATE: XX.XX.XX

			GENERAL
		●	A0.0 COVER SHEET & PROJECT DATA
			A0.1 EQUIPMENT SCHEDULE
			A0.2 RESPONSIBILITY MATRIX
			A0.3 NATIONAL ACCOUNTS VENDOR & REQUIRED SUBMITTALS LIST
		●	A0.4 EGRESS PLAN
			CIVIL
			SEE SEPARATE CIVIL ENGINEERING PACKAGE
			STRUCTURAL
			S0.1 STRUCTURAL GENERAL NOTES
			S0.2 STRUCTURAL SPECIAL INSPECTION NOTES
			S1.0 FOUNDATION PLAN
			S1.1 ROOF FRAMING PLAN
			S2.0 FOUNDATION SECTIONS & DETAILS
			S2.1 FOUNDATION DETAILS & SECTIONS
			S2.2 FRAMING SECTIONS AND DETAILS
			S2.3 FRAMING SECTIONS AND DETAILS
			S3.0 DUMPSTER ENCLOSURE FOUNDATION SECTIONS & DETAILS
			ARCHITECTURAL
			A1.0 ARCHITECTURAL SITE PLAN
			A1.1 DUMPSTER ENCLOSURE DETAILS
			A2.0 FLOOR PLAN
			A2.1 ENLARGED PARTIAL FLOOR PLAN
			A2.2 ENLARGED PARTIAL FLOOR PLAN
			A2.3 ENLARGED PARTIAL FLOOR PLAN – OUTDOOR PLAY AREA (PART A)
			A2.4 ENLARGED PARTIAL FLOOR PLAN & DETAILS – OUTDOOR PLAY AREA (PART B)
		●	A2.5 ENLARGED FLOOR PLANS
			A3.0 REFLECTED CEILING PLAN
			A3.1 ENLARGED PARTIAL REFLECTED CEILING PLAN
		●	A4.0 ROOF PLAN
			A5.0 SLAB PENETRATION & WATER PENETRATION MITIGATION PLAN
		●	A6.0 EXTERIOR ELEVATIONS
			A7.0 BUILDING SECTIONS & DETAILS
			A7.1 WALL SECTIONS & DETAILS
			A7.2 WALL SECTIONS & DETAILS
			A7.3 WALL SECTIONS & DETAILS
			A7.4 HEAD & JAMB DETAILS
			A8.0 INTERIOR ELEVATIONS
			A8.0A INTERIOR ELEVATIONS – GRAPHICS
		●	A8.1 INTERIOR ELEVATIONS
			A8.2 INTERIOR ELEVATIONS
			A8.2A INTERIOR ELEVATIONS – GRAPHICS
			A8.3 INTERIOR ELEVATIONS
			A8.3A INTERIOR ELEVATIONS – GRAPHICS
			A8.4 INTERIOR ELEVATIONS
		●	A8.5 MILLWORK ELEVATIONS & SECTIONS
			A8.6 DETAILS
			A9.0 OUTDOOR EXERCISE AREA DETAILS
			A9.1 OUTDOOR EXERCISE AREA DETAILS
			A9.2 CAT BOARDING PLAN & CAT CONDO DETAILS
			A10.0 DOOR & WINDOW SCHEDULES & DETAILS
		●	A10.1 FINISH SCHEDULE & WALL TYPE LEGEND
			MECHANICAL
		●	M1.0 MECHANICAL FLOOR PLAN
			M2.0 MECHANICAL ENLARGED PLAN
			M3.0 MECHANICAL SCHEDULES
			M4.0 MECHANICAL DETAILS & SECTIONS
			PLUMBING
		●	P1.0 SANITARY PLUMBING FLOOR PLAN
		●	P2.0 GAS, & WATER PLUMBING FLOOR PLAN
			P3.0 SANITARY, WASTE, & VENTILATION PLUMBING ISOMETRICS
			P4.0 WATER PLUMBING ISOMETRIC
			P5.0 PLUMBING SCHEDULES & DETAILS
			FIRE PROTECTION (FOR REFERENCE ONLY)
			FP1.0 FIRE ALARM PLAN
		●	FP2.0 FIRE PROTECTION PLAN & NOTES
			ELECTRICAL
		●	E1.0 LIGHTING PLAN
		●	E2.0 POWER PLAN
			E2.1 ELECTRICAL ROOF PLAN
			E3.0 LIGHTING SCHEDULE
			E4.0 ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULES
			E5.0 ELECTRICAL SITE PLAN
			E6.0 SITE PHOTOMETRIC PLAN
			E6.1 PHOTOMETRIC FIXTURES

GPD GROUP
Professional Corporation,
A-20140411131,E-20140411105,LA-20140408814
520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

petsuites STAY • PLAY

REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET
A	02.12.21	ADDENDUM 1

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER
A-2004032558
ARCHITECT

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

COVER SHEET & PROJECT DATA

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PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO. 2020155.27

A0.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\001_A0.0 COVER SHEET & PROJECT DATA.dwg
---- - akolesar

EQUIPMENT SCHEDULE

E 00	ITEM	MATERIAL ALLOWANCE	PURCHASED BY		INSTALLED BY		MANUFACTURER	MODEL / SIZE / FINISH	UTILITY COORDINATION REQUIREMENTS						NOTES	E 00
									ELEC	WATER		WASTE		GAS		
			OWNER	G.C.	OWNER	G.C.				H	C	DIR.	IND.			
01	COMMERCIAL WASHING MACHINE		●			●	B&C TECHNOLOGIES	HE–45	●	●	●		●		PURCHASED THROUGH OWNER SELECTED LOCAL VENDOR. CONTACT RICAHRD R. DILLARD 615.927.0503	01
02	COMMERCIAL DRYER		●			●	AMERICAN DRYER	ADC AD–50V	●						PURCHASED THROUGH OWNER SELECTED LOCAL VENDOR. CONTACT RICAHRD R. DILLARD 615.927.0503	02
03	CAT CONDO VENTILATION SYSTEM			●		●	–	–	●						SEE MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION	03
04	MUSIC SYSTEM		●		●	⁎	ROCK BOT	–	●						⁎ G.C. IS RESPONSIBLE FOR COORDINATING DELIVERY & INSTALLATION WITH OWNER'S PREFERRED VENDOR	04
05	TV'S & BRACKETS		●			●	–	–	●						75" (LOBBY) / 42" (STACKED KENNEL ROOM) FLAT SCREEN TELEVISIONS. G.C. INSTALLED PER PLANS / OWNER TO VERIFY LOCATIONS. G.C. IS RESPONSIBLE FOR COORDINATING INSTALLATION W/ CABLE / DISH INSTALLER.	05
06	SECURITY SYSTEM		●			●	LIFE SAFETY SYSTEMS	–	●						G.C. IS RESPONSIBLE FOR COORDINATING INSTALLATION WITH VENDOR	06
07	DVD PLAYER (4 INSTALLED + 1 EXTRA)		●			●	–	–	●						G.C. TO COORDINATE INSTALLATION WITH OWNER	07
08	CEILING FAN			●		●	BIG ASS FANS	HAIKU 60 / AIRFOILS FINISH: WHITE, HARDWARE FINISH: WHITE	●						CONTACT: (877) 244–3267 newconstruction@bigassfan.com ORDER FAN WITH MANUFACTURER PROVIDED WALL CONTROL	08
09	DOG BOARDING KENNELS		●		●	⁎	SHOR–LINE	SEE ENLARGED FLOOR PLANS							⁎ G.C. IS RESPONSIBLE FOR COORDINATING DELIVERY & INSTALLATION WITH OWNER'S PREFERRED VENDOR	09
10	EXTERIOR PLAY YARD SHADE STRUCTURES			●		●	BY OWNER SELECTED PRE–ENGINEERED METAL BUILDING MANUFACTURER	PEMB PLAY YARD SHADE STRUCTURE (B.O.D.) 16'–0" x 22'–6" STRUCTURE COLOR: WHITE PANEL COLOR: GRAY	●						COORDINATE INSTALLATION WITH VENDOR. COORDINATE WITH LIGHTING PLAN FOR ELECTRICAL REQUIREMENTS. SEE SHEET A9.1	10
11	HOSE REELS			●		●	RAPID REEL	1041–GH			●				INSTALL AS DIRECTED BY OWNER @ ALL HOSE BIB LOCATIONS. REFER TO DETAILS SHEET A8.6	11
12	HOT/COLD WATER DISPENSER		●		●		–	–	●						VENDOR SUPPLIED AND INSTALLED WATER DISPENSER. ELECTRIC CONNECTION BY G.C.	12
13	GROOMING TABLES		●		●	⁎	SHOR–LINE	–	●						⁎ G.C. IS RESPONSIBLE FOR COORDINATING DELIVERY & INSTALLATION WITH OWNER'S PREFERRED VENDOR. INSTALL IN GROOMING ROOMS PER PLAN.	13
14	DRYING CAGES & BLOWERS		●		●	⁎	SHOR–LINE	–	●						⁎ G.C. IS RESPONSIBLE FOR COORDINATING DELIVERY & INSTALLATION WITH OWNER'S PREFERRED VENDOR. COORDINATE OUTLET LOCATIONS WITH DRYING CAGE CONFIGURATION.	14
15	CAT CONDOS		●		●	⁎	SHOR–LINE	–	●						⁎ G.C. IS RESPONSIBLE FOR COORDINATING DELIVERY & INSTALLATION WITH OWNER'S PREFERRED VENDOR	15
16	WIDE SPAN STORAGE RACKS		●		●		ULINE	72" TALL WITH WIRE DECKING							LENGTH & DEPTH VARIES – SEE PLAN FOR DIMENSIONS	16
17	REFRIGERATOR		●		●		–	–	●						BREAKROOM & LAUNDRY ROOM	17
18	BREAK ROOM TABLE & CHAIRS		●		●		–	–							–	18
19	BATHING TUBS		●			●	SHOR–LINE	904.0702.32 (RH DRAIN) OR 904.0702.33 (LH DRAIN) 904.0702.34 (RH DRAIN) OR 904.0702.35 (LH DRAIN)		●	●	●			G.C. TO INSTALL FAUCET AND TUB. SHORLINE TO VERIFY REQUIRED MODEL PER FLOOR PLAN.	19
20	MIXING VALVE IN RECESSED CABINET			●		●	SYMMONS	7230BCKMT		●	●				THERMOSTATIC MIXING VALVE PER PLUMBING DRAWINGS	20
21	3–BOWL S.S. SINK & FAUCET WITH PRE–RINSE			●		●	T & S	B.O.D. TURBO AIR MODEL #TSA–3–14–01 WITH 18" R & L DRAINBOARDS WITH 8" WALL–MOUNT PRE–RINCE & 12" ADD–ON FAUCET		●	●	●			LOCATED IN LAUNDRY ROOM WITH T&S PRE RINSE	21
22	HANDHELD SPRAY NOZZLES & HOSE			●		●	T&S	B–0950–VB ANGLE SPRAY VALVE WITH VINYL HOSE		●	●				ONE SPRAYER PER GROOMING TUB – HOT/COLD WATER MIXED THROUGH SHARED MIXING VALVE. SEE PLUMBING	22
23	DOUBLE–BOWL, UTILITY SINK & FAUCET			●		●	E. L. MUSTEE & SONS	TUB: 26F, COLOR: WHITE (UPC: 6 71031 00054 5) FAUCET: 93.600 (UPC: 6 71031 00232 7)		●	●	●			–	23
24	INTERNALLY LIT ARCHITECTURAL LED DOG GRAPHIC		●		●	⁎	INTEGRATED SIGN	–	●						INSTALLATION (INCLUDING POWER) TO BE COORDINATED BY G.C.	24
25	CEILING MOUNTED RETRACTABLE HOSE REEL			●		●	REELCRAFT	7850 OLPSW57			●				INSTALL AS DIRECTED BY OWNER & PER MANUFACTURERS INSTRUCTIONS.	28
26	EXTERIOR SIGNAGE		●		●	⁎	SEE NATIONAL ACCOUNT VENDOR SHEET	–	●						*INSTALLATION (INCLUDING POWER REQUIREMENTS) TO BE COORDINATED BY G.C.	26
27	VINYL WALL ART		●		●	⁎	ALAMO IMPRINTS	SIZE / LOCATION DETERMINED BY OWNER							⁎ WALL AREA TO BE KEPT FREE OF SWITCHES, SENSORS AND THE LIKE AT VINYL WALL ART (SEE INTERIOR ELEVATIONS). G.C. SHALL COORDINATE INSTALLATION WITH OWNER AND OWNER'S APPROVED VENDOR.	27

TEMPORARY UTILITIES BY G.C.

GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND COST OF ALL TEMPORARY UTILITIES TO THE SITE AND COORDINATE SAME WITH LOCAL UTILITIES.

GENERAL EQUIPMENT NOTES

A. G.C. SHALL COORDINATE DELIVERY AND INSTALLATION OF EQUIPMENT BY OWNER'S VENDORS WITH THE OVERALL CONSTRUCTION SCHEDULE.
B. "B.O.D." INDICATES SPECIFIED EQUIPMENT IS BASIS OF DESIGN. IF ITEM IS NOT SELECTED BY OWNER, G.C. MAY PROPOSE AN ALTERNATE PRODUCT FOR CONSTRUCTION.
C. G.C. SHALL SUBMIT CUT SHEETS FOR APPROVAL FOR ALL CONSTRACTOR–PROVIDED EQUIPMENT ITEMS.
D. G.C. TO PROVIDE REQUIRED UTILITY NEEDS FOR ALL EQUIPMENT REQUIRING POWER, GAS, SUPPLY WATER, AND DRAINS. G.C. RESPONSIBLE FOR COORDINATING ALL ITEMS WITH PLUMBING AND ELECTRICAL.
E. G.C. TO PROVIDE THE A APPROPRIATE SUBSTRATES, CONNECTIONS, BLOCKING AND FITTINGS AS REQUIRED FOR ALL ITEMS UNDER THE G.C.'S INSTALLATION SCOPE, AND AS OUTLINED THROUGHOUT THE DRAWINGS.
F. NO PIPING, WIRE, CONDUIT, ETC. SHALL BE EXPOSED MORE THAN THE MINIMUM REQUIRED TO INSTALL PROPER FITTINGS AND ESCUTCHEON PLATES.
G. ITEMS LISTED AS "OWNER" REFER TO PETSUITES' SCOPE. ITEMS LISTED AS "G.C." REFER TO DEVELOPER / GENERAL CONTRACTOR'S SCOPE.

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Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\020_A0.1 EQUIPMENT SCHEDULE.dwg
February 15, 2021 - akolesar

DIVISION	ITEM	DEVELOPER / GC			OWNER		REMARKS
		FURNISH	INSTALL	GC DIRECT BILL OWNER	FURNISH	INSTALL	
1	GENERAL REQUIREMENTS						
	PERMITS & FEES	●					DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND APPROVALS INCLUDING ALL PERMIT FEES, TAP FEES, IMPACT FEES, ETC.
	LAND ACQUISITION	●					
	CIVIL ENGINEERING SITE PLANS	●					
	ARCHITECTURAL PLANS	●					
	PHASE 1 & 2 ENVIRONMENTAL ASSESSMENTS	●					IF APPLICABLE
	GEOTECHNICAL REPORTS	●					
	ALTA SURVEY	●					
	MATERIALS TESTING	●					DEVELOPER RESPONSIBLE FOR CONTRACTING WITH A QUALIFIED MATERIALS TESTING COMPANY DURING CONSTRUCTION TO PERFORM ALL NECESSARY TESTS SOIL COMPACTION, CONCRETE, WELDS, ETC.
2	SITE WORK						
	SITE WORK	●	●				
	LANDSCAPING	●	●				
	DUMPSTER ENCLOSURE	●	●				
3	CONCRETE						
	FOOTINGS & FOUNDATIONS	●	●				
	FLATWORK	●	●				
	EXTERIOR PLAY AREA CONCRETE	●	●				
4	MASONRY						
	CMU UNIT MASONRY	●	●				
	BRICK / STONE VENEER	●	●				
5	METALS						
	MISC. STRUCTURAL STEEL	●	●				
6	WOODS AND PLASTICS						
	MILLWORK	●	●				
	RECEPTION DESK		●		●		GC TO COORDINATE DELIVERY W/ VENDOR
7	THERMAL & MOISTURE PROTECTION						
	WALL AND ROOF THERMAL INSULATION	●	●				
	MOISTURE / VAPOR BARRIER	●	●				
8	DOORS & WINDOWS						
	EXTERIOR DOORS	●	●				
	INTERIOR DOORS	●	●				
	WINDOWS	●	●				
9	FINISHES						
	PAINTING	●	●				
	FLOOR TILE	●	●				
	ARTIFICIAL TURF	●	●				

APPROVED VENDOR & NATIONAL ACCOUNT LIST

PREFERRED VENDORS

COMPANY	CONTACTS	CONTACT	REQUIRED ITEMS / REMARKS
GPD GROUP (*)	KYLE WAKE, AIA PROJECT MANAGER / PROTOTYPE ARCHITECT	P: 602.733.6204 C: 614.226.0446 E: kwake@gpdgroup.com F: 602.733.6239	ARCHITECTURAL, STRUCTURAL, MECHANICAL, & ELECTRICAL ENGINEERING
INDUSTRIAL APPLICATIONS, INC. (*)	JAY THOMASON PRESIDENT	P: 901.794.4334 C: 901.328.5642 E: jrt@iasolutions.com F: 901.328.5642	CONCRETE POLISHING / STAINING
CORONADO STONE PRODUCTS	REBECCA DRISKELL TERRITORY SALES MANAGER ROCKY MOUNTAIN REGION	P: 303.881.3836 C: 303.881.8336 E: rebeccad@coronado.com F: 927.436.8785	STONE VENEER
VILLA LIGHTING (*)	JAMES ALTO NATIONAL ACCOUNTS MANAGER	P: 314.633.0588 C: 760.898.0154 E: james.alto@villalighting.com F: 314.633.0589	ELECTRICAL SWITCH GEAR (ALSO REQUIRED VENDOR FOR INTERIOR / EXTERIOR LIGHTING)

APPROVED VENDOR & NATIONAL ACCOUNT LIST NOTES:

A. VENDORS IDENTIFIED WITH AN ASTERISKS (*) ARE VENDORS THAT PETSUITES HAS ESTABLISHED A NATIONAL ACCOUNT WITH.
B. VENDORS LISTED AS REQUIRED MUST BE UTILIZED FOR THEIR IDENTIFIED ITEMS.

REQUIRED VENDORS

COMPANY	CONTACTS	CONTACT	REQUIRED ITEMS / REMARKS
CARRIER STRATEGIC ACCOUNTS (*)	MATT MURPHY CARRIER STRATEGIC ACCOUNTS	P: 630.920.9151 C: 630.235.1615 E: Matt.Murphy@carrier.com F: 860.998.1440	ROOF MOUNTED HVAC UNITS SEE CONTACT INFORMATION ON SHEET M3.0
VILLA LIGHTING (*)	JAMES ALTO NATIONAL ACCOUNTS MANAGER	P: 314.633.0588 C: 760.898.0154 E: james.alto@villalighting.com F: 314.633.0589	INTERIOR / EXTERIOR LIGHTING
FLORIDA TILE (*)	EMILY FISCHER COMMERCIAL SALES SPECIALIST	P: 513.824.1791 E: emily.fischer@floridatile.com	WALL BASE
PERSONA SIGNS (*)	SARAH VISSER NATIONAL ACCOUNTS MANAGER	P: 800.843.9888 EXT. 209 E: svisser@personasigns.com F: 800.843.9890	BUILDING MOUNTED AWNINGS
INTEGRATED SIGN (*)	AARON ANDERKIN EXECUTIVE VICE PRESIDENT	P: 859.263.2800 C: 859.327.6624 E: aanderkin@integratedsign.com	ILLUMINATED DOG SILHOUETTE
SHOR-LINE (*)	DAVID L. WRATCHFORD CORPORATE ACCOUNTS MANAGER	P: 913.281.1500 EXT. 2205 C: 913.226.5672 E: davidw@shor-line.com F: 913.281.5339	DOG KENNELS, CAT CONDOS, BATHING TUBS, GROOMING TABLES, & DRYING CAGES
ALAMO IMPRINTS (*)	BILL NEVILL PRESIDENT	P: 210.802.2802 C: 210.722.4660 E: bill@alamoimprints.com	GRAPHICS SUPPLIER AND INSTALLER
SHERWIN-WILLIAMS (*)	CHRISTOPHER COOK AREA ARCHITECTURAL ACCOUNT EXECUTIVE	P: 1.602.220.4964 (OFFICE) C: 1.623.606.1130 E: christopher.t.cook@sherwin.com F: 1.602.244.2715	INTERIOR / EXTERIOR PAINT
ROCK BOT (*)	CHRIS TIFFANY SENIOR ENGINEER	P: 715.551.6464 C: 715.496.1517 E: Chris@sprinterit.com	INTERIOR / EXTERIOR SOUND SYSTEM
K9 FOREVER LAWN (*)	ROBB WOLF NATIONAL ACCOUNT REPRESENTATIVE	P: 330.499.8873 C: 330.606.4123 E: robb@foreverlawn.com F: 330.249.2170	ARTIFICIAL TURF
CSC SERVICE WORKS (*)	RICHARD R. DILLARD VICE PRESIDENT OF NATIONAL ACCOUNTS OPL	P: N/A C: 615.927.0503 E: rdillard@cscserviceworks.com F: N/A	COMMERCIAL WASHER & DRYER
ELKAY INTERIOR SYSTREMS (*)	COURTNEY KAZALSKI PROJECT MANAGER	P: 414.847.0715 EXT. 32115 C: 414.286.1296 E: Courtney.kazalski@elkay.com	LOBBY RECEPTION DESKS
INTEGRATED SIGN (*)	AARON ANDERKIN EXECUTIVE VICE PRESIDENT	P: 859.263.2800 C: 859.327.6624 E: aanderkin@integratedsign.com	SIGNAGE
LIFE SAFETY SYSTEMS	DAN M. KLAG PRESIDENT	P: 440.888.7960 C: 216.347.0950 E: dklag@lifesafetyllc.com F: 440.888.7961	SECURITY & FIRE ALARM SYSTEM
SPEEDPRO IMAGING LAKE COUNTY	THOMAS KMIECIAK STUDIO OWNER	P: 847.416.6640 E: mkmieciak@speedpro.com	UV WINDOW FILM
FIRE ALARM COMPANY - TBD	TBD	P: E: F:	FIRE ALARM SYSTEM

REQUIRED SHOP DRAWING SUBMITTAL LIST

REQUIRED SUBMITTALS	REQUIRED REVIEWER	
	AOR / EOR	PETSUITES
CONCRETE	●	
CONCRETE FINISH MOCKUP (SEE SPEC.)	●	●
REBAR	●	
ANCHOR BOLTS	●	
MILLWORK	●	●
DOOR & HARDWARE	●	
WINDOWS	●	
EXTERIOR FINISHES & COLORS	●	●
FOREVERLAWN K9GRASS (ARTIFICIAL TURF)	●	●
PLAY YARD SHADE STRUCTURES	●	
AWNINGS	●	●
HVAC UNITS & EXHAUST FANS	●	
ELECTRICAL SWITCHGEAR	●	
SPRINKLER	●	
FIRE ALARM	●	●
SECURITY SYSTEM	●	●

THE ITEMS ABOVE ARE REQUIRED TO BE REVIEWED BY THE AOR, EOR, AND PETSUITES AS NOTED. G.C. SHALL COORDINATE THE REQUIRED SUBMITTALS WITH THE DEVELOPER AND PETSUITES

SHOP DRAWINGS SHALL BEAR THE CONTRACTOR'S STAMP OF APPROVAL, WHICH SHALL CONSTITUTE CERTIFICATION THAT ALL FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, AND MATERIALS SPECIFIED IN THE CONTRACT DOCUMENTS HAVE BEEN VERIFIED AND EACH DRAWINGS HAS BEEN CHECKED FOR COMPLETENESS, COORDINATION, AND COMPLIANCE WITH THE CONTRACT DOCUMENTS.

COPY PETSUITES ON ALL REQUIRED SUBMITTALS

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NATIONAL ACCOUNTS VENDOR & REQUIRED SUBMITTALS LIST

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Drawing Name: O:\2020\2020155 PetSuites27_Lee Summit, MO (TM.Crowley)\4_Working Files\00_CAD\00_Dwg\022_A0.3 NATIONAL ACCOUNTS VENDOR & REQUIRED SUBMITTALS LISTS.dwg
February 15, 2021 - akdesar

ROOM SCHEDULE – SQUARE FOOT TOTALS

ROOM NAME	NUMBER	AREA
LOBBY	100	928 SQ. FT.
CAT BOARDING	101	133 SQ. FT.
UNISEX	102	56 SQ. FT.
I.T. CLOSET	104	34 SQ. FT.
OFFICE	105	89 SQ. FT.
LARGE DAYCARE GROUP BOARDING	107	901 SQ. FT.
HALLWAY	108	1,045 SQ. FT.
STORAGE ROOM	109A	40 SQ. FT.
JANITOR	109B	19 SQ. FT.
DOG BOARDING A	110	2,318 SQ. FT.
TOWNHOUSE ROOM	111	745 SQ. FT.
LAUNDRY ROOM	112	189 SQ. FT.
UNISEX	113	54 SQ. FT.
UTILITY ROOM	114	89 SQ. FT.
ELECTRICAL ROOM	114A	79 SQ. FT.
BATHING	115	98 SQ. FT.
DRYING	116	101 SQ. FT.
GROOMING	117	222 SQ. FT.
BREAKROOM	118	196 SQ. FT.
STORAGE	119	78 SQ. FT.
STACKED KENNEL ROOM	120	222 SQ. FT.
DOG BOARDING B	121	959 SQ. FT.
FLEX, PLAY, & TRAIN ROOM	122	283 SQ. FT.
SMALL DAYCARE GROUP BOARDING	123	954 SQ. FT.

OCCUPIED AREA	9,832 SQ. FT.
MISCELLANEOUS AREA (FLOOR SPACE COVERED BY WALLS)	411 SQ. FT.
GROSS BUILDING AREA (PET SUITES)	10,243 SQ. FT.
GROSS BUILDING AREA (VETERINARY CLINIC)	3,880 SQ. FT.
GROSS BUILDING AREA	14,123 SQ. FT.

GENERAL NOTES

A. ALL FURNITURE AND INTERIOR SIGNAGE/GRAPHICS FURNISHED & INSTALLED BY OWNER UNLESS NOTES OTHERWISE.
B. COORDINATE FINAL ELECTRICAL CONNECTIONS TO STORE FIXTURES, AS REQUIRED.
C. ALL GRAPHICS TO CONFORM TO JURISDICTION HAVING AUTHORITY.
D. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR TOUCH–UP PAINT AFTER FURNITURE INSTALLATION IS COMPLETED.
E. FIRE EXTINGUISHERS HAVE BEEN LOCATED FOR REFERENCE ONLY. THE LOCAL FIRE DEPARTMENT MAY REQUIRE ADDITIONAL FIRE EXTINGUISHERS AT OTHER LOCATIONS. INSTALL FIRE EXTINGUISHERS IN RECESSED CABINETS OF TYPE AND QUANTITY PER N.F.P.A. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
F. PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED AND INSTALLED BY G.C. PORTABLE FIRE EXTINGUISHERS SHALL BEAR LABEL OF AN APPROVED AGENCY, BE OF APPROVED TYPE, AND BE INSTALLED IN LOCATIONS VISIBLE AND ACCESSIBLE TO THE OCCUPANTS (MAXIMUM 75' TRAVEL DISTANCE).
G. G.C. TO INSTALL KNOX BOX PER LOCAL JURISDICTIONAL REQUIREMENTS. CAN BE SURFACE OR FLUSH MOUNT. THE KEY BOX SHALL BE OF AN APPROVED TYPE AND SHALL CONTAIN KEYS TO GAIN NECESSARY ACCESS AS REQUIRED BY THE FIRE CODE OFFICIAL. ORDER A KNOXBOX FROM KNOXBOX.COM.

(FE) PORTABLE FIRE EXTINGUISHER IN SEMI–RECESSED CABINET (SEE SPECIFICATION).

SEE THIS SHEET FOR EXIT SIGN LOCATIONS.

CEILING MOUNTED EXIT SIGN (REFER TO SHEET E1.0 FOR MOUNTING HEIGHT)

(EX) WALL MOUNTED EXIT SIGN (REFER TO DETAIL 2/A0.4 FOR MOUNTING HEIGHT)

(K) KNOX BOX PLACEMENT TO BE MADE BY THE FDC.

LEGEND

36" MIN. PATH OF EGRESS

ADA CLEARANCE

ACCESSIBILITY NOTES

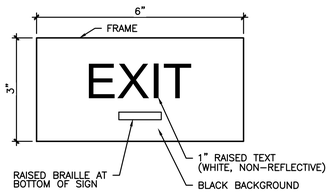
1. ALL FIXTURES AND ACCESSORIES SHALL BE MOUNTED IN ACCORDANCE WITH NATIONAL AND ALL CITY/VILLAGE HANDICAP REGULATIONS AS ADOPTED.
2. ALL THRESHOLDS MUST COMPLY WITH ACCESSIBILITY REGULATIONS.
3. ALL DOORS USED IN CONJUNCTION WITH EXITS TO BE READILY OPENED WITHOUT KEY, UNDUE FORCE OR SPECIAL KNOWLEDGE FOR EXIT OPERATION FROM THE EGRESS SIDE OF THE DOOR.
4. DOOR HANDLES MUST BE OF A SHAPE THAT IS EASY TO GRASP (NOT ROUND) AND MUST BE NO HIGHER THAN 48" ABOVE FINISHED FLOOR.
5. MAXIMUM FORCE FOR PULLING OR PUSHING ALL INTERIOR DOORS SHALL BE 5 LBF.
6. IF DOOR HAS A CLOSER, THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES THE DOOR WILL TAKE AT LEAST (3) THREE SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
7. DOOR THRESHOLDS MUST BE FLUSH WITH FLOOR OR PROTRUDE NO MORE THAN 1/2" ABOVE THE FLOOR. IF EXISTING THRESHOLDS ARE 3/4" IN WIDTH OR LESS AND HAVE BEVELED EDGE ON EACH SIDE, THRESHOLD MAY REMAIN.
8. MINIMUM CLEAR PASSAGE WITH DOOR OPEN AT 90 DEGREE ANGLE IS 32".
9. LIGHT, HEAT, VENTILATION, WINDOWS, DRAPERIES, FIRE ALARMS, AND ALL SIMILAR CONTROLS THAT ARE NEEDED OR USED MOST OFTEN MUST BE AT A MINIMUM OF 15" AND A MAXIMUM OF 48" ABOVE FINISHED FLOOR.
10. OBJECTS PROJECTING FROM WALLS WITH THEIR LEADING EDGES BETWEEN 27 INCHES AND 80 INCHES ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4 INCHES INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES.

EGRESS TRAVEL DISTANCE (PET SUITES)

EXIT PATH	TRAVEL DISTANCE
"A"	35'–9"
"B"	45'–8"
"C"	45'–10"
"D"	48'–10"
"E"	60'–3"
"F"	88'–9"
"G"	117'–7"
"H"	144'–0"
"I"	64'–9"
"J"	86'–1"
"K"	66'–2"
"L"	75'–5"
"M"	94'–0"
"N"	40'–3"

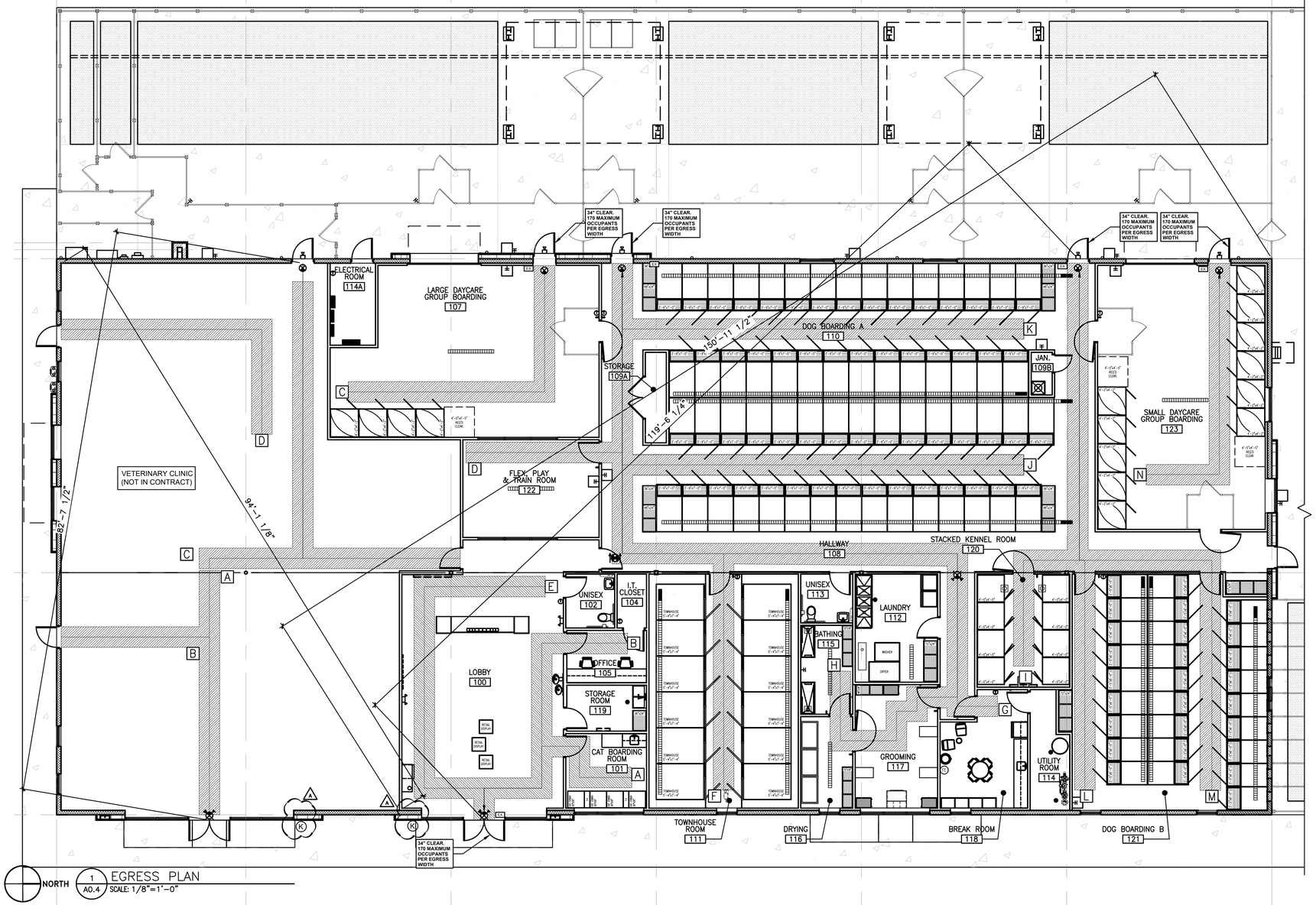
EGRESS TRAVEL DISTANCE (CLINIC)

EXIT PATH	TRAVEL DISTANCE
"A"	38'–3"
"B"	21'–8"
"C"	56'–10"
"D"	44'–8"



EXIT SIGN TO BE MOUNTED 60" A.F.F. TO BASELINE OF OF TEXT AT EACH EGRESS DOOR.

2 / A0.4 TYPICAL EXIT SIGN DETAIL
SCALE: 6"=1'–0"



NORTH

1 / A0.4 EGRESS PLAN
SCALE: 1/8"=1'–0"

GPD GROUP
Professional Corporation,
A-20140411131,E-20140411305,LA-2014040814
520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

petsuites STAY • PLAY

REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Mark S. Salopek – Architect
A-2004032558
STATE OF MISSOURI
MARK S. SALOPEK
NUMBER A-2004032558
ARCHITECT
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

EGRESS PLAN

ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO. 2020155.27

A0.4

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\030_A0.4 EGRESS PLAN.dwg
---- - akolesar

GENERAL:

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE (2018 IBC) WITH LOCAL AMENDMENTS. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES AND THE CONTRACT SPECIFICATIONS.

THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE JOB CONDITIONS AND RESTRICTIONS.

THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS, SLEEVES, CONCRETE HOUSEKEEPING PADS, INSERTS AND DEPRESSIONS. THE CONTRACTOR SHALL COORDINATE OPENINGS SHOWN ON THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

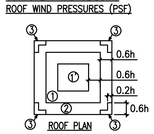
DESIGN LOADS:

A. ROOF LIVE LOAD	20 PSF
B. FLOOR LIVE LOAD (RETAIL FIRST FLOOR)	100 PSF
C. ROOF SNOW LOADS	
GROUND SNOW LOAD (Pg)	20 PSF
EXPOSURE FACTOR (Ce)	1.0
IMPORTANCE FACTOR (I)	1.0
THERMAL FACTOR (Ct)	1.0
MIN ROOF SNOW LOAD (Pf)	20 PSF
D. DEAD LOADS	ACTUAL MATERIAL WEIGHTS
E. WIND LOADS	
V (ULTIMATE)	109 MPH
V (NOMINAL) 3 SECOND GUST	84 MPH
RISK CATEGORY	II
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFF.	±.18

COMPONENT & CLADDING (ULT) DESIGN WIND PRESSURES (PSF):

ROOF			
ZONE	10 SF	50 SF	100 SF
1	16.0 PSF -28.8 PSF	16.0 PSF -27.2 PSF	16.0 PSF -26.4 PSF
2	16.0 PSF -48.4 PSF	16.0 PSF -36.6 PSF	16.0 PSF -31.3 PSF
3	16.0 PSF -72.8 PSF	16.0 PSF -44.0 PSF	16.0 PSF -31.3 PSF
OVERHANG ZONE 2	-46.1 PSF	-44.2 PSF	-43.4 PSF
OVERHANG ZONE 3	-72.8 PSF	-38.8 PSF	-24.1 PSF
WALLS:			
ZONE	10 SF	50 SF	100 SF
4	26.5 PSF -28.7 PSF	23.8 PSF -26.0 PSF	22.6 PSF -24.8 PSF
5	26.5 PSF -35.3 PSF	23.8 PSF -29.9 PSF	22.6 PSF -27.5 PSF

COMPONENT AND CLADDING ROOF WIND PRESSURES (PSF)



ROOF PLAN

COMPONENT AND CLADDING WALL WIND PRESSURES (PSF)



WALL ELEVATION

NOTES:
1. TABLE PRESSURES ARE FOR THE SQUARE FOOT (SF) TRIBUTARY AREA SHOWN. FOR OTHER TRIBUTARY AREAS, LINEARLY INTERPOLATE BETWEEN VALUES SHOWN ABOVE.
2. POSITIVE PRESSURES ACT TOWARD THE BUILDING. NEGATIVE PRESSURES ACT AWAY FROM THE BUILDING.
3. ROOF TOP EQUIPMENT PRESSURE (ULT.):
   LATERAL PRESSURE = 46.4 PSF
   VERTICAL UPLIFT PRESSURE = 36.6 PSF
4. JOIST NET UPLIFT FORCE (ASD) = (0.6D + 0.6W) = 10 PSF

F. SEISMIC LOADS	
SEISMIC IMPORTANCE FACTOR:	1.0
BUILDING OCCUPANCY CATEGORY:	II
SITE CLASS	D
Ss:	0.099
S1:	0.068
SPECTRAL RESPONSE COEFF:	
SHOR PERIOD (SDS):	0.106
1 SEC. PERIODS (SD1):	0.109
SEISMIC DESIGN CATEGORY:	B
BASIC SEISMIC-FORCE RESISTING SYSTEM:	
BASIC FRAMING SYSTEM:	LOAD BEARING WALLS
SEISMIC RESISTING SYSTEM:	ORDINARY REINFORCED MASONRY SHEAR WALLS
DEFLECTION AMPLIFICATION FACTOR (Cd):	1.75
RESPONSE MODIFICATION FACTOR (R):	2.0
OVERSTRENGTH FACTOR:	2.5
SEISMIC RESPONSE COEFF. (Cs):	0.053
ANALYSIS BY EQUIVALENT LATERAL FORCE PROCEDURE	

CONSTRUCTION AND SAFETY

1. CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.

2. ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.

3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.

FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS DESCRIBED IN THE GEOTECHNICAL ENGINEER'S REPORT BY GEOTECHNOLOGY, INC. (PROJECT #J036943.01), DATED JUNE 23, 2020. A COPY OF THE GEOTECHNICAL ENGINEER'S REPORT IS AVAILABLE AND SHALL BE INCORPORATED AS PART OF THE DOCUMENTS FOR CONSTRUCTION.

2. 3 TO 9 FEET OF FAT CLAY FILL WAS ENCOUNTERED PER GEOTECH REPORT. REFER TO RECOMMENDATIONS IN GEOTECH REPORT FOR REMOVAL AND REPLACEMENT OF FILL MATERIAL AND REMEDIATION REQUIREMENTS FOR FAT CLAY.

3. BOTTOM OF FOUNDATION ELEVATION INDICATED ARE FOR BIDDING PURPOSES AND MAY BE LOWERED TO SUIT SUB-SURFACE SOIL CONDITION. BEARING STRATA SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE. PROVIDE ENGINEERED FILL OR FLOWABLE FILL CONCRETE (500 PSI) UNDER FOUNDATIONS AT SOFT SPOTS AND FOR EXTENDING EXCAVATION TO ADEQUATE BEARING MATERIAL. INSTALL FOUNDATIONS AT DESIGNED ELEVATIONS.

4. FOOTINGS MAY BE PLACED WITHOUT SIDE FORMS IF EXCAVATED WALLS STAND APPROXIMATELY VERTICAL. A MINIMUM CLEARANCE OF 3" FOR REBAR IS REQUIRED.

5. ALL FOOTINGS SHALL BEAR ON LEVEL UNDISTURBED SOIL OR APPROVED ENGINEERED FILL. FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 2000 PSF BELOW STRIP FOOTINGS AND 2500 PSF BELOW ISOLATED COLUMN FOOTINGS. COORDINATE WITH THE GEOTECHNICAL REPORT AND THE ONSITE GEOTECHNICAL REPRESENTATIVE FOR ANY NECESSARY UNDERCUTS AND ENGINEERED BACKFILL TO ACHIEVE THE 2500 PSF ALLOWABLE BEARING CAPACITY FOR ALL FOUNDATIONS U.N.O.

6. CONTRACTOR SHALL CONTRACT UTILITY COMPANIES FOR LOCATING UNDERGROUND SERVICES AND IS RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT.

7. COMPACTION: ALL FILL MATERIALS SHALL BE APPROVED BY A GEOTECHNICAL CONSULTANT. COORDINATE ALL RECOMMENDED FILL MATERIAL AND COMPACTION CRITERIA WITH THE GEOTECHNICAL REPORT NOTED ABOVE.

8. ALL AREAS WITHIN THE FOOTPRINT OF THE BUILDING, INCLUDING UTILITY TRENCHES, MUST BE FREE OF ANY WET AND/OR SOFT AREAS PRIOR TO PLACEMENT OF FILL MATERIAL OR SLAB.

9. SEAL UTILITY TRENCH AT THE EXTERIOR FOUNDATION WALL BY USING A COMPACTED CLAYEY BACKFILL OR LEAN CONCRETE TO CREATE A DAM TO PREVENT ENTRY OF WATER.

DELEGATED DESIGN:

CONTRACTOR IS RESPONSIBLE FOR DESIGN OF THE FOLLOWING ITEMS INCLUDING DESIGN OF THE CONNECTIONS OF EACH ITEM TO THE SUPPORTING STRUCTURAL FRAMING:

- OPEN-WEB STEEL JOISTS
- CANOPIES & AWNINGS
- ROOF TOP ACCESS LADDER, FALL PROTECTION CAGE, & SECURITY GRATE
- SHORING

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR EACH ITEM LISTED ABOVE. REFER TO THE "SHOP DRAWING" SECTION UNDER THE GENERAL NOTES FOR ADDITIONAL INFORMATION.

INFORMATION SHOWN IN THE CONTRACT DOCUMENTS (E.G., DEPTHS, GAGES, SPACING, PLYS, ETC.) ARE CONSIDERED MINIMUMS AND ARE SCHEMATIC IN NATURE. INCREASED GAGE/PLYS AND/OR DECREASED SPACINGS MAY BE REQUIRED AND SHALL BE COMPLETED AT NO CHARGE TO THE OWNER.

CONCRETE

1. CONCRETE WORK AND TESTING SHALL CONFIRM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS BELOW. REPORTS FROM TESTS REQUIRED BY SECTION 1.6 OF ACI 301 SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER, ARCHITECT, OWNER, CONTRACTOR, CONCRETE SUPPLIER, AND BUILDING OFFICIAL.

2. CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306.1 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 306R "COLD WEATHER CONCRETING".

3. CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 305R "HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND VELOCITY SHALL BE ENTERED INTO THE NOMOGRAPH OF THIS REFERENCE TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.

4. CONCRETE MIX DESIGNS SHALL BE SUBMITTED FOR EACH TYPE OF CONCRETE TO THE STRUCTURAL ENGINEER FOR APPROVAL IN ACCORDANCE WITH ACI 301 SECTION 4.2.3.4 FIELD TEST DATA OR TRIAL MIXES.

5. SUBMIT SHOP DRAWINGS OF REINFORCING STEEL.

6. MATERIALS: (f'c BASED ON 28 DAY UNLESS NOTED)

6.1 CONCRETE UNLESS NOTED: f'c = 4000 PSI., NORMAL WEIGHT AGGREGATE.

6.2 CONCRETE FOR INTERIOR FLOOR SLABS: f'c = 4000 PSI AT 28 DAYS, 1800 PSI AT 3 DAYS, NORMAL WEIGHT AGGREGATE, MINIMUM PORTLAND CEMENT CONTENT PER ACI 301 TABLE 4.2.2.1, WATER NOT PERMITTED TO BE ADDED AT THE SITE, HRWR ADMIXTURE REQUIRED, MAXIMUM WATER/CEMENTITIOUS RATIO = 0.53.

6.3 CONCRETE FOR EXTERIOR FLAT WORK, WALKS, ETC.: f'c = 4000 PSI, (4.5% TO 7.5% ENTRAINED AIR), MINIMUM PORTLAND CEMENT CONTENT = 520 #/CY, MAXIMUM WATER/CEMENTITIOUS RATIO = 0.53.

6.4 CONCRETE FOR FOUNDATION WALLS AND RETAINING WALLS WITH EXTERIOR EXPOSURE: f'c = 4000 PSI, (4.5% TO 7.5% ENTRAINED AIR), MAXIMUM WATER/CEMENTITOUS RATIO = 0.53.

6.5 CONCRETE FOR FOOTINGS NOT EXPOSED TO EXTERIOR: f'c = 4000 PSI.

6.6 REINFORCING EMBEDMENT AND LAP SPLICES (INCHES) FOR 4000 PSI CONCRETE:

	OTHER		TOP*	
BAR SIZE	ANCHORAGE	SPLICE	ANCHORAGE	SPLICE
#3	15	19	19	24
#4	19	25	25	33
#5	24	31	31	41
#6	29	37	37	49

6.7 REINFORCING STEEL: ASTM A615 OR ASTM A996 (AXLE ONLY) 60 KSI YIELD DEFORMED BARS AND ASTM A1064 MESH, FLAT SHEETS ONLY.

6.8 FLY ASH, CALCIUM CHLORIDE, AND ADMIXTURES CONTAINING MORE THAN 0.05% CHLORIDE IONS ARE PROHIBITED.

6.9 GROUND GRANULATED BLAST FURNACE SLAG: ASTM C989. TOTAL GROUND GRANULATED BLAST FURNACE SLAG -TO- TOTAL CEMENTITIOUS RATIO SHALL NOT EXCEED 50% MAXIMUM.

6.10 HIGH RANGE WATER REDUCER (HRWR) ADMIXTURE: ASTM C494.

6.11 CHLORIDE CONTENT OF CONCRETE: LIMIT TOTAL CHLORIDE ION CONTENT TO AMOUNT INDICATED IN TABLE 4.3.1 OF ACI 318. ADMIXTURES CONTAINING CHLORIDE ARE NOT PERMITTED IN REINFORCED CONCRETE OR CONCRETE CONTAINING METALS.

7. SLUMP SHALL BE MEASURED PRIOR TO THE ADDITION OF HRWR.

8. BAR CLEARANCES BETWEEN ADJACENT BARS AND FORMWORK SHALL BE AS NOTED ON THE DRAWINGS OR A MINIMUM AS PER ACI REQUIREMENTS.

9. AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS, PROVIDE BENT BARS OF EQUAL SIZE AND AT THE SAME SPACING AS TYPICAL REINFORCING AROUND CORNER AND/OR INTO ABUTTING WALL OR FOOTING. BARS SHALL HAVE EMBEDMENT OF 30 DIAMETERS (18" MIN.).

10. MACHINE TROWEL FINISH FLOOR SLAB AND CURE USING A METHOD RECOMMENDED BY ACI 302.1R (GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION) INCLUDING WATER CURING, WET COVERING, APPLICATION OF IMPERVIOUS SHEETING OR APPLICATION OF "CURE AND SEAL" TYPE CURING COMPOUND MEETING ASTM C-1315. FOR APPLICATIONS EXPOSED TO SUNLIGHT USE CLASS A (NON-YELLOWING) CURING COMPOUND. COORDINATE CURING METHOD WITH ARCHITECTURAL FLOOR FINISHES THAT REQUIRE ADHESION TO THE SLAB (SUCH AS TILE) TO INSURE PROPER BOND.

11. FLOOR SLAB-ON-GRADE SHALL CONFORM TO THE FOLLOWING SURFACE PROFILE TOLERANCES PER ASTM E-1155 AND ACI 117:

	FF(FLATNESS)	FL(LEVELNESS)
SPECIFIED OVERALL VALUE	45	50

11.1 MAXIMUM GAP UNDER 10 FT. UNLEVELED STRAIGHTEDGE = 1/4".

12. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR VAPOR RETARDER REQUIREMENTS. VAPOR RETARDER, WHERE REQUIRED, SHALL BE PLACED OVER COMPACTED GRANULAR SUBBASE.

13. AT SLAB AND WALL OPENING CORNERS AND REENTRANT CORNERS, PROVIDE (1) #5 BAR IN EACH FACE PARALLEL TO EACH EDGE EXTENDING A MINIMUM OF 2'-0" PAST EDGE OF OPENING. THIS STEEL MAY BE OMITTED IF TYPICAL REINFORCING STEEL EXCEEDS THIS MINIMUM REQUIREMENT.

14. REINFORCE ALL INTERIOR SLABS ON GRADE WITH 6 x 6 - W2.9 x W2.9 (42#) MESH. LOCATE MESH 2" CLEAR BELOW TOP OF SLAB. USE FLAT SHEETS ONLY.

15. LAP WELDED WIRE FABRIC MINIMUM 1 FULL SPACE PLUS 2".

16. FINISH OF CONCRETE HANDICAP RAMPS TO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA). COORDINATE LOCATION AND PATTERN WITH ARCHITECTURAL DRAWINGS.

17. CONTROL JOINTS IN SLABS ON GROUND SHALL BE LOCATED AT 10'-0" MAXIMUM SPACING AND SHALL CREATE SECTIONS OF SLAB WITH A MAXIMUM ASPECT RATIO OF 1 TO 1. CONTROL JOINTS SHALL BE SAWN AND SHALL BE A MINIMUM OF 1/4 OF THE SLAB THICKNESS DEEP. THE CONTROL JOINT SHALL BE SAWN AS SOON AS THE SAW BLADE CAN CUT THE CONCRETE WITHOUT DISPLACING THE AGGREGATE. CUT EVERY OTHER MESH WIRE AT THE CONTROL JOINT LOCATION PRIOR TO PLACING CONCRETE. IF AN EARLY-CUTTING SAW IS TO BE USED AND A SHALLOWER DEPTH OF THE CUT IS DESIRED, CONTACT THE ENGINEER IN ADVANCE FOR APPROVAL.

CONCRETE (CONTINUED)

18. CONSTRUCTION JOINTS IN SLABS ON GROUND MAY BE LOCATED AT ANY CONTROL JOINT LOCATION. CONSTRUCTION JOINTS SHALL HAVE A KEY FORMED AT MID-DEPTH OF THE FIRST CAST SECTION. THE KEY SHALL BE 1½" DEEP AND SHALL BE ¼ OF THE SLAB THICKNESS HIGH. THE TOP AND BOTTOM OF THE KEY SHALL HAVE 1 VERTICAL TO 3 HORIZONTAL SLOPE.

19. PROVIDE ¾" CHAMFER AT CORNERS OF EXPOSED CONCRETE.

20. WHERE BRITTLE FLOOR FINISHES ARE TO BE APPLIED TO FLOOR SLABS, COORDINATE CONTROL JOINT LOCATIONS WITH FLOOR FINISH JOINT LOCATIONS AND ARCHITECT.

EXPANSION AND EPOXY ADHESIVE ANCHORS

EXPANSION ANCHORS:

1. EXPANSION ANCHORS SHALL BE MANUFACTURED BY HILTI OR ITW RAMSET / REDHEAD OR HIT-RE 500 EPOXY ADHESIVE MANUFACTURED BY THE HILTI COMPANY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBSTITUTES MAY BE CONSIDERED; SUBMIT MANUFACTURER'S DATA PRIOR TO INSTALLATION.

EPOXY ADHESIVE ANCHORS:

1. EPOXY ADHESIVE SHALL BE EPCON "CERAMIC 6" EPOXY MANUFACTURED BY ITW RAMSET / REDHEAD OR HIT-RE 500 EPOXY ADHESIVE MANUFACTURED BY THE HILTI COMPANY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBSTITUTES MAY BE CONSIDERED; SUBMIT MANUFACTURER'S DATA PRIOR TO INSTALLATION.

2. THREADED RODS SHALL BE ASTM A36. SIZES AND EMBEDMENT AS INDICATED ON THE DRAWINGS.

3. CONDUCT JOB-SITE TRAINING OF ALL CONTRACTOR'S PERSONNEL INSTALLING THIS PRODUCT FOR SAFE AND PROPER INSTALLATION, HANDLING, AND STORAGE OF THE EPOXY SYSTEM.

MASONRY

1. MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6/TMS 602)" EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.

2. COMPRESSIVE STRENGTH SHALL BE DETERMINED FOR EACH TYPE OF MASONRY BY THE UNIT STRENGTH METHOD.

2.1 CONCRETE MASONRY: f'm = 1800 PSI AT 28 DAYS.

3. SUBMITTALS SHALL BE MADE FOR THE FOLLOWING:

3.1 COLD WEATHER CONSTRUCTION PROCEDURE.

3.2 HOT WEATHER CONSTRUCTION PROCEDURE.

3.3 MANUFACTURERS LITERATURE FOR: HORIZONTAL JOINT REINFORCING, REINFORCING STEEL POSITIONERS, MOVEMENT JOINT MATERIALS, TIES & ANCHORS.

3.4 SHOP DRAWINGS SHOWING: DETAILS OF STEEL REINFORCING, AND LINTELS.

3.5 MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR SPECIFIED MASONRY UNIT, AND REINFORCING STEEL.

3.6 PROPORTIONS OF MATERIAL IN ACCORDANCE WITH REFERENCED SPECIFICATIONS OF MORTAR AND GROUT.

4. MATERIALS

4.1 CONCRETE MASONRY UNITS: MEDIUM WEIGHT MASONRY UNITS PER ASTM C90 TYPE 1.

4.2 REFER TO ARCHITECTURAL PLANS FOR CMU BLOCK FINISH AND COLOR.

4.3 MORTAR: ASTM C270 TYPE S

4.4 PORTLAND CEMENT-LINE MORTAR: PORTLAND CEMENT: TYPE I. HYDRATED LIME: TYPE S.

4.5 GROUT: ASTM C476. f'C = 2500 PSI, SLUMP 8" TO 10".

4.6 REINFORCING STEEL: ASTM A615, 60 KSI YIELD.

4.7 HORIZONTAL JOINT REINFORCING FOR SINGLE WYTHE CONCRETE MASONRY: 9 GAUGE LADDER TYPE. HOT DIPPED GALVANIZED PER ASTM A153 CLASS B. PLACE HORIZONTAL JOINT REINFORCING AT 16" CENTERS VERTICALLY FOR CONCRETE MASONRY. LAP HORIZONTAL JOINT REINFORCING 6" MINIMUM. HORIZONTAL JOINT REINFORCING SHALL BE DISCONTINUOUS ACROSS MOVEMENT JOINT.

4.8 BRICK VENEER ANCHORS FOR METAL STUD AND WOOD STUD BACKUP: DUR-O-WAL D/A 213 OR WIRE-BOND RJ-711 WITH 3/16" DIAMETER PINTLE. HOT-DIPPED GALVANIZED PER ASTM A153 CLASS B. VERTICAL DISTANCE BETWEEN HORIZONTAL PINTLE WIRE AND CLIP PLATE SHALL NOT EXCEED ⅜ INCH. (FLAT CORRUGATED TIES ARE NOT PERMITTED.) SCREWS SHALL BE MINIMUM #10 SIZE AND SHALL BE CADMIUM-PLATED OR HOT-DIPPED GALVANIZED. (STAINLESS STEEL AND COPPER-COATED SCREWS ARE NOT PERMITTED.) ANCHORS SHALL BE ATTACHED WITH FASTENERS TO THE WOOD OR STEEL FRAMING WALL STUDS. PROVIDE BRICK VENEER ANCHORS WITH MAXIMUM HORIZONTAL SPACING OF 24" AND MAXIMUM VERTICAL SPACING OF 16". BRICK VENEER ANCHORS SHALL BE EMBEDDED 2" MINIMUM INTO BRICK.

5. MORTAR PROPORTIONS MUST BE ACCURATELY MEASURED PRIOR TO MIXING. ADD TO MIX IN FULL BAG QUANTITIES. MEASURE SAND IN BOX WITH VOLUME OF ONE CUBIC FOOT AS OFTEN AS NECESSARY TO MAINTAIN CONSISTENT PROPORTIONS AND AT LEAST ONCE DAILY AND EVERY 4 HOURS OF MIXING.

6. MINIMUM VERTICAL REINFORCEMENT REQUIREMENTS FOR ALL MASONRY WALL.

6.1 AS A MINIMUM, ALL MASONRY SHALL BE REINFORCED FOR SECTION ACI 530 1.18.3.2.3.1

6.2 #5 VERTICAL BARS SHALL BE PLACED AT ALL CORNERS, WITHIN 16 INCHES OF EACH WALL OPENINGS, WITHIN 8 INCHES OF EACH WALL MOVEMENT JOINT AND WITHIN 8 INCHES OF THE END OF THE WALL.

6.3 HORIZONTAL JOINT REINFORCEMENT SHALL BE SPACED AT 16" MAX. WALL OPENINGS SHALL BE REINFORCED TOP AND BOTTOM OF OPENINGS AND SHALL EXTEND NOT LESS THAN 24 INCHES BEYOND PAST THE ROUGH OPENING.

6.4 SPACING OF VERTICAL REINFORCEMENT SHALL NOT EXCEED 4'-0".

7. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND SPECIFICATIONS OF FIRE RATED MASONRY.

8. PROVIDE PREFABRICATED "L" AND "T" SHAPED HORIZONTAL JOINT REINFORCING AT WALL INTERSECTIONS. ALTERNATE MESH TIES REINFORCEMENT TO BE SUBMITTED FOR REVIEW CONSIDERATION PRIOR TO CONSTRUCTION.

9. KEEP AIR SPACE BEHIND VENEER FREE OF MORTAR DROPPINGS.

10. RUNNING BOND PATTERN SHALL BE USED FOR ALL MASONRY WORK UNLESS OTHERWISE NOTED.

11. PROVIDE MOVEMENT (CONTROL AND EXPANSION) JOINTS IN WALLS WHERE INDICATED ON ARCHITECTURAL DRAWINGS. BOND BEAMS SHALL BE DISCONTINUOUS ACROSS MOVEMENT JOINTS UNLESS NOTED OTHERWISE:

11.1 MOVEMENT JOINTS IN CONCRETE BLOCK: SASH BLOCK UNIT WITH PREFORMED SHEAR KEY. CAULK BOTH FACES. ALTERNATE DETAILS FOR CONTROL JOINTS MAY BE ACCEPTABLE -- SUBMIT DETAILS FOR APPROVAL.

11.2 MOVEMENT JOINTS IN BRICK: ⅜" WIDE CLEAN JOINT FILLED WITH EXPANSION JOINT MATERIAL PER ASTM D1056, CLASS RE 41. CAULK EXTERIOR FACE.

MASONRY (CONTINUED)

11.3 PROVIDE BUILDING PAPER BOND BREAK BELOW LINTEL BEARING ADJACENT TO CONTROL JOINTS.

12. UNLESS NOTED OTHERWISE ON PLANS, UNDER LINTELS, BEARING PLATES, BEAMS, ETC.; FILL CELLS WITH GROUT, 3 COURSES MINIMUM BELOW BEARING.

13. ALL REINFORCING STEEL SHALL BE SUPPORTED AND FASTENED TO APPROVED POSITIONERS LOCATED AT 192 BAR DIAMETERS MAXIMUM SPACING AND WITH A MINIMUM OF TWO POSITIONERS PER GROUT POUR (ONE NEAR THE BOTTOM AND ONE NEAR THE TOP) TO PREVENT DISPLACEMENT DURING THE PLACEMENT OF GROUT. ALL REINFORCING BARS MUST BE FULLY GROUTED IN PLACE IN LIFTS NOT TO EXCEED 60 INCHES.

14. BAR LAPS ARE AS FOLLOWS UNLESS OTHERWISE NOTED. MINIMUM BAR LAPS SHALL NOT BE LESS THAN 48" x (BAR DIAMETER).

#4 BAR - 24" MINIMUM LAP
#5 BAR - 30" MINIMUM LAP
#6 BAR - 36" MINIMUM LAP

15. GROUT ALL CELLS BELOW GRADE SOLID.

STRUCTURAL STEEL:

GENERAL:

MATERIAL PROPERTIES:

W SHAPES:	ASTM A992 (Fy = 50 KSI)
M,S,C SHAPES:	ASTM A36 UNO
PLATE, ANGLES:	ASTM A36 UNO
PIPE:	ASTM A53, TYPE E OR S, GRADE B
TUBE:	ASTM A500 GRADE B (Fy = 46 KSI)

DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE 2016 AISC SPECIFICATIONS.

FIELD CONNECTIONS SHALL BE BOLTED, BEARING TYPE UNLESS NOTED OTHERWISE USING 3/4" HIGH STRENGTH BOLTS CONFORMING TO ASTM A325. ONE SIDED CONNECTIONS ARE NOT PERMITTED UNLESS DETAILED ON DRAWINGS

GENERAL CONTRACTOR SHALL VERIFY ALL MECHANICAL EQUIPMENT LOCATIONS, OPENING DIMENSIONS AND WEIGHTS PRIOR TO STRUCTURAL STEEL FABRICATION. NOTIFY ENGINEER IF DIFFERENT FROM THAT SHOWN ON DRAWINGS.

ALL CONNECTIONS TO TUBES AND PIPES SHALL USE THRU PLATES UNLESS NOTED OTHERWISE.

WHEN FORCES ARE NOT SHOWN, THE CONNECTION SHALL DEVELOP 1/2 OF THE ALLOWABLE UNIFORM LOAD AS SPECIFIED IN THE BEAM TABLES OF AISC (ASD). A MINIMUM OF 2 BOLTS SHALL BE USED.

ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH THE LATEST AWS SPECIFICATIONS.

PROVIDE L4x4x5/16 FRAMING AT ALL ROOF SUMP PANS AND OTHER OPENINGS TO SUPPORT EDGE OF ROOF DECK.

FIELD VERIFY ALL CONDITIONS AT AND CONNECTIONS TO THE EXISTING CONSTRUCTION BEFORE FABRICATION.

PRIME ALL STEEL NOT IN CONTACT WITH CONCRETE. DO NOT PRIME STEEL IN AREAS TO RECEIVE SLIP CRITICAL BOLTS (FRICTION BOLTS). DO NOT PRIME STEEL THAT IS TO RECEIVE FIREPROOFING.

ALL STRUCTURAL STEEL BEAMS AND COLUMNS ADJACENT TO MASONRY SHALL HAVE ADJUSTABLE MASONRY ANCHORS AT 2'-8" ON CENTER.

COLD FORM METAL FRAMING (CFMF)

COLD FORM METAL FRAMING CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "COLD FORMED STEEL DESIGN MANUAL" CURRENT EDITION. PUBLISHED BY "AMERICAN IRON AND STEEL INSTITUTE" (AISI).

1. MATERIALS:

1.1 STRUCTURAL FRAMING MEMBERS 20 GAUGE & HEAVIER: ASTM A1003, GRADE A, Fy MINIMUM = 33 KSI, GALVANIZED GRADE G 60 PER ASTM A1003.

1.2 METAL STUDS FOR BRICK VENEER BACKUP: 18 GAUGE MINIMUM THICKNESS. MEMBERS SHALL BE GALVANIZED GRADE G 90 PER ASTM A1003.

1.3 ALL TRACK & BRIDGING: Fy = 33 KSI MINIMUM, ASTM A1003 GRADE 1, GALVANIZED GRADE G60 PER ASTM A653.

1.4 WELDING ELECTRODES: E60XX, WELD SIZE AS NOTED ON STRUCTURAL DRAWINGS.

2. CUT ALL FRAMING COMPONENTS SO THEY FIT SQUARELY TOGETHER. STUDS MUST BEAR TIGHT AGAINST TRACK WEB. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED. BRACE WALL COMPONENTS AS REQUIRED DURING ERECTION TO PREVENT RACKING AND DISTORTION.

3. ALL FRAMING AND COMPONENTS SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL FOLLOW THE PRODUCT STANDARDS AND QUALITY STANDARDS AS REQUIRED BY "STEEL STUD MANUFACTURERS ASSOCIATION" (SSMA). ALL MEMBERS SHALL HAVE 1-5/8" FLANGE WIDTH UNLESS NOTED OTHERWISE ON THE PLANS. ALL STUD/JOIST MEMBERS SHALL HAVE FLANGE LIP.

4. NO OPENING OR HOLE SHALL BE PLACED IN ANY STRUCTURAL MEMBER (OTHER THAT WHAT IS INDICATED ON THE DRAWINGS) UNLESS THE LOCATION HAS BEEN APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.

5. FASTEN ALL EXTERIOR METAL WALL FRAMING TO SUPPORTING FOUNDATION WITH A MINIMUM OF ½" DIAMETER ANCHOR BOLTS SPACED AT 32" O.C. OR BY USE OF A MINIMUM OF (2) POWDER ACTUATED FASTENERS HAVING A SHANK DIAMETER OF 0.157" AND EMBEDMENT OF 1" SPACED AT 16" O.C. APPROVED FASTENER: HILTI X-U UNIVERSALKNURLED SHANK FASTENER.

6. PROVIDE SUBMITTALS FOR STRUCTURAL FRAMING SHOWING PROPOSED METHODS OF ATTACHMENT, STUD / JOIST SPACING WITH MEMBER SIZES INDICATED. SUBMITTAL SHALL INDICATE SIZE OF ALL MEMBERS, ALL CONNECTION DETAILS, BRIDGING, AND BRACING. THE ENGINEER, PRIOR TO FABRICATION & ERECTION, SHALL APPROVE SUBMITTALS.

7. PRIOR TO THE START OF INSTALLATION OF METAL FRAMING SYSTEMS, THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE INSTALLERS OF OTHER WORK INCLUDING MECHANICAL, STRUCTURAL AND ELECTRICAL WORK. REVIEW AREAS OF POTENTIAL INTERFERENCE AND CONFLICTS AND COORDINATE LAYOUT AND SUPPORT PROVISIONS FOR INTERACTING WORK.

8. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS OR WELDING. ALL WELDED CONNECTIONS SHALL BE MADE BY WELDERS CERTIFIED FOR WELDING MEMBERS OF GAUGE BEING USED PER AWS D.1.3.

9. BRIDGING OF NON-LOAD BEARING STUD FRAMING THAT RESISTS WIND LOADING ONLY CAN BE ACCOMPLISHED BY THE ATTACHMENT OF WALL SHEATHING TO BOTH SIDES OF THE STUDS. HOWEVER, IT IS RECOMMENDED DURING CONSTRUCTION (WHEN ONLY THE EXTERIOR SIDE OF THE STUDS IS SHEATHED) TO USE A MINIMUM 2" WIDE STEEL STRAP THAT RUNS HORIZONTALLY ON THE INTERIOR FLANGES AND IS ATTACHED TO EACH STUD. THE STEEL STRAP IS TO BE SPACED AT A MAXIMUM OF 6'-0" THROUGHO

SCHEDULE OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS:

SPECIAL INSPECTIONS ARE TO BE PROVIDED IN ACCORDANCE WITH IBC SECTION 1704. SPECIAL INSPECTIONS SHALL BE IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE DEPARTMENT OF BUILDING SAFETY AND SHALL NOT BE CONSTRUED TO RELIEVE THE OWNER OR HIS AUTHORIZED AGENT FROM REQUESTING THE PERIODIC AND CALLED INSPECTIONS REQUIRED BY THE BUILDING CODE. SPECIAL INSPECTION SHALL BE PAID BY THE OWNER.

REQUIRED SPECIAL INSPECTIONS:

SPECIAL INSPECTOR SHALL MEET THE QUALIFICATIONS AS STATED IN THE BUILDING CODE AND SHALL PERFORM THE DUTIES AND RESPONSIBILITIES AS OUTLINED IN THE BUILDING CODE. THE SPECIAL INSPECTOR SHALL PROVIDE INSPECTION REPORTS TO THE CODE OFFICIAL, ENGINEER AND OWNER.

IN ADDITION TO THE REGULAR INSPECTIONS, THE ADJACENT SCHEDULE WILL ALSO REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH THE BUILDING CODE.

SOILS:

VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	FIELD INSPECTION	Y	PERIODIC
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	FIELD INSPECTION	Y	PERIODIC
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	FIELD INSPECTION	Y	PERIODIC
VERIFY SITE PREPARATION COMPLIES WITH APPROVED SOILS REPORT.	FIELD INSPECTION	Y	CONTINUOUS
VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	FIELD INSPECTION	Y	CONTINUOUS
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	FIELD INSPECTION	Y	PERIODIC
VERIFY DRY-DENSITY OF COMPACTED FILL COMPLIES WITH APPROVED SOILS REPORT.	REVIEW FIELD TESTING	Y	PERIODIC

MASONRY CONSTRUCTION:

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT
(A) LEVEL 1, 2 & 3 QUALITY ASSURANCE:	————	——	————
1. VERIFY COMPLIANCE WITH APPROVED SUBMITTALS	FIELD INSPECTION	Y	PERIODIC
(B) LEVEL 2 QUALITY ASSURANCE:	————	Y	————
1. VERIFICATION OF F'M PRIOR TO CONSTRUCTION	TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD	Y	PERIODIC
(C) LEVEL 3 QUALITY ASSURANCE:	————	N	————
1. VERIFICATION OF F'M PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SF DURING CONSTRUCTION	TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD	N	PERIODIC
2. VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE	FIELD INSPECTION	N	CONTINUOUS
(D) LEVELS 2 & 3 QUALITY ASSURANCE:		Y	
1. VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) OF SELF-CONSOLIDATING GROUT AS DELIVERED TO THE PROJECT	FIELD TESTING	Y	CONTINUOUS
2. VERIFY COMPLIANCE WITH APPROVED SUBMITTALS	FIELD INSPECTION	Y	PERIODIC
3. VERIFY PROPORTIONS OF SITE-MIXED MORTAR, GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	FIELD INSPECTION	Y	PERIODIC
4. VERIFY GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS	FIELD INSPECTION	Y	PERIODIC
5. VERIFY PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS	FIELD INSPECTION	Y	LEVEL 2 – PERIODIC LEVEL 3 – CONTINUOUS
6. VERIFY PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS PRIOR TO GROUTING	FIELD INSPECTION	Y	LEVEL 2 – PERIODIC LEVEL 3 – CONTINUOUS
7. VERIFY GROUT SPACE PRIOR TO GROUTING	FIELD INSPECTION	Y	LEVEL 2 – PERIODIC LEVEL 3 – CONTINUOUS
8. VERIFY PLACEMENT OF GROUT	FIELD INSPECTION	Y	CONTINUOUS
9. VERIFY SIZE AND LOCATION OF STRUCTURAL MASONRY ELEMENTS	FIELD INSPECTION	Y	PERIODIC
10. VERIFY TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	FIELD INSPECTION	Y	LEVEL 2 – PERIODIC LEVEL 3 – CONTINUOUS
11. VERIFY WELDING OF REINFORCEMENT (SEE 1705.2.1)	FIELD INSPECTION	Y	CONTINUOUS
12. VERIFY PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 deg F) OR HOT WEATHER (TEMPERATURE ABOVE 90 deg F)	FIELD INSPECTION	Y	PERIODIC
13. PREPARE GROUT AND MORTAR SPECIMENS	FIELD TESTING	Y	LEVEL 2 – PERIODIC LEVEL 3 – CONTINUOUS
14. OBSERVE PREPARATION OF PRISMS	FIELD INSPECTION	Y	LEVEL 2 – PERIODIC LEVEL 3 – CONTINUOUS

STEEL CONSTRUCTION:

SPECIAL INSPECTION	FREQ.	REFERENCED STANARD(S)
• MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS, HIGH-STRENGTH BOLTING:	–	–
• IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	PERIODIC	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC ASD SEC. A3.4 AISC LRFD SEC. A3.3
• MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	PERIODIC	
• INSPECTION OF BEARING-TYPE CONNECTIONS.	PERIODIC	AISC LRFD SEC. M2.5
• MATERIAL VERIFICATION OF STRUCTURAL STEEL:		
• IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	–	ASTM A6 OR ASTM A568
• MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	–	
• MATERIAL VERIFICATION OF WELD FILLER MATERIALS:	–	–
• IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	–	AISC ASD SEC. A3.6 AISC LRFD SEC. A3.5
• MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	–	
• INSPECTION OF WELDING:	–	–
• STRUCTURAL STEEL:	–	–
• COMPLETE AND PARTIAL PENETRATION GROOVE WELD	CONT.	AWS D1.1
• MULTI-PASS FILLET WELDS	CONT.	
• SINGLE-PASS FILLET WELDS > 5/16"	CONT.	
• SINGLE-PASS FILLET WELDS < 5/16"	PERIODIC	
• FLOOR AND ROOF DECK WELDS	PERIODIC	AWS D1.3
• INSPECTION OF STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS:	–	–
• DETAILS SUCH AS BRACING AND STIFFENING	–	IBC 1704.3.2
• MEMBER LOCATIONS	PERIODIC	
• APPLICATION OF JOINT DETAILS AT EACH CONNECTION	–	
• INSPECTIONS FOR COLD-FORMED STEEL FLOOR AND ROOF DECK SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF SDI QA/QC.	PERIODIC	SDI QA/QC

INSPECTION OF FABRICATOR(S)

SPECIAL INSPECTION	FREQ.	REFERENCED STANARD(S)
• APPLICABLE ELEMENT (FABRICATOR CERTIFICATION REQUIREMENTS):	PERIODIC	–
• STRUCTURAL STEEL (AISC CERTIFIED FOR CONVENTIONAL STEEL BUILDING) • STEEL JOISTS/JOIST GIRDERS (SJI MEMBERS) • STEEL ROOF DECK (SDI MEMBERS)	PERIODIC	–
• NOTE: • FABRICATION 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 REFERENCE STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATORS SCOPE OF WORK.		

CONCRETE (NOT APPLICABLE TO ISOLATED SPREAD FOOTINGS OR NON-STRUCTURAL SLABS ON GRADE)

SPECIAL INSPECTION	FREQ.	REFERENCED STANARD(S)
• INSPECTION OF REINFORCING STEEL, SIZE AND PLACEMENT.	PERIODIC	ACI 318: 3.5, 7.1-7.7
• INSPECTION OF REINFORCING STEEL WELDING:		
• VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	PERIODIC	AWS D1.4: ACI 318: 3.5.2
• SHEAR REINFORCING STEEL	CONT.	
• OTHER REINFORCING STEEL	PERIODIC	
• VERIFYING USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH. 4, 5.2-5.4
• SAMPLING FRESH CONCRETE AND PERFORMING SLUMP, AIR CONTENT, AND DETERMINING THE TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS.	CONT.	ASTM C172: ASTM C31: ACI 318: 5.6, 5.8
• INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONT.	ACI 318: 5.9, 5.10
• INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 5.11-5.13
• INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE.	PERIODIC	ACI 318: 3.8.6, 8.1.3, 21.1.8

METAL BUILDING SYSTEM FOR SHADE STRUCTURE:

METAL BUILDING MANUFACTURER SHALL DESIGN THE STRUCTURE TO RESIST THE GRAVITY AND LATERAL LOADS NOTED IN THE GENERAL NOTES AND OTHER APPLICABLE STATE AND LOCAL BUILDING CODES. THE METAL BUILDING MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE METAL BUILDING THE DESIGN OF THE METAL BUILDING SYSTEM SHALL CONFORM TO THE SPECIFICATIONS, INCLUDING THE DESIGN CRITERIA AND DESIGN LOADS, AND ANY OTHER LOCAL CODE REQUIREMENTS. THE MANUFACTURER SHALL ALSO CONSIDER ANY ADDITIONAL COLLATERAL LOADS TO BE SUPPORTED BY THE STRUCTURE (I.E., CEILINGS, MECHANICAL, ELECTRICAL, ETC.).

THE METAL BUILDING MANUFACTURER SHALL BE RESPONSIBLE FOR SUPPLYING EVIDENCE OF COMPLIANCE WITH THE SPECIFICATIONS, DESIGN CRITERIA, DESIGN LOADS, AND ANY OTHER LOCAL CODE REQUIREMENTS. THE METAL BUILDING MANUFACTURER SHALL SUBMIT CALCULATIONS AND CONSTRUCTION DOCUMENTS DESIGNED AND PREPARED BY AN ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. THE DRAWINGS AND CALCULATIONS SHALL BEAR THE ENGINEERS SEAL AND BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND TO THE BUILDING OFFICIAL FOR PERMIT.

DESIGN OF THE STRUCTURE SHALL BE COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS. BUILDING COMPONENT SIZES SHALL CONFORM TO THOSE INDICATED ON THE ARCHITECTURAL DOCUMENTS. DESIGN OF THE STRUCTURE SHALL BE PERFORMED SO AS NOT TO EXCEED THE FOUNDATION DESIGN LOADS SHOWN ON THE DRAWINGS. REDESIGN OF THE FOUNDATIONS TO ACCOMMODATE LOADS GREATER THAN THOSE SHOWN WILL BE REDESIGNED BY GPD GROUP AT THE MANUFACTURER'S EXPENSE.

THE DESIGN OF THE STRUCTURE FOR LATERAL LOADS SHALL BE BASED ON THE GOVERNING BUILDING CODE AND CONSIDER SEISMIC AND WIND LOADINGS. THE DESIGN SHALL LIMIT THE DRIFT OF THE PRIMARY FRAMES PER INDUSTRY STANDARDS. BUILDING COMPONENTS SHALL BE LIMITED TO THE FOLLOWING MAXIMUM DEFLECTIONS:

TOTAL LOADS (DEAD LOAD + LIVE LOAD): 1/120 SPAN
LIVE LOADS ON ROOF PURLINS: 1/150 SPAN
LIVE LOADS ON ALL OTHER ROOF MEMBERS: 1/180 SPAN

ROOF SYSTEM SHALL MEET STANDARD METAL BUILDING REQUIREMENTS.

ANCHOR BOLTS AND EMBEDDED ITEMS REQUIRED TO ANCHOR THE BUILDING FRAME TO THE CONCRETE FOUNDATIONS AND MASONRY WALLS SHALL BE FURNISHED BY THE GC AND DESIGNED BY THE METAL BUILDING SYSTEM MANUFACTURER WITH DRAWINGS INDICATING LOCATIONS AND REQUIREMENTS.

THE METAL BUILDING MANUFACTURER SHALL BE A CERTIFIED MEMBER OF THE METAL BUILDING MANUFACTURER'S ASSOCIATION (MBMA).

OPEN-WEB STEEL JOIST

SPECIAL INSPECTION	FREQ.	REFERENCED STANARD(S)
• INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS.		
• END CONNECTIONS - WELDING OR BOLTED.	PERIODIC	SJI SPECIFICATIONS LISTED IN SECTION 2207.1.
• BRIDGING - HORIZONTAL OR DIAGONAL.	–	
• STANDARD BRIDGING.	PERIODIC	AISC LRFD SEC. M2.5
• BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1.	PERIODIC	

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petsuites STAY & PLAY

REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

John N. Kabak – Structural Engineer
PE-2011021685



PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

STRUCTURAL SPECIAL INSPECTION NOTES

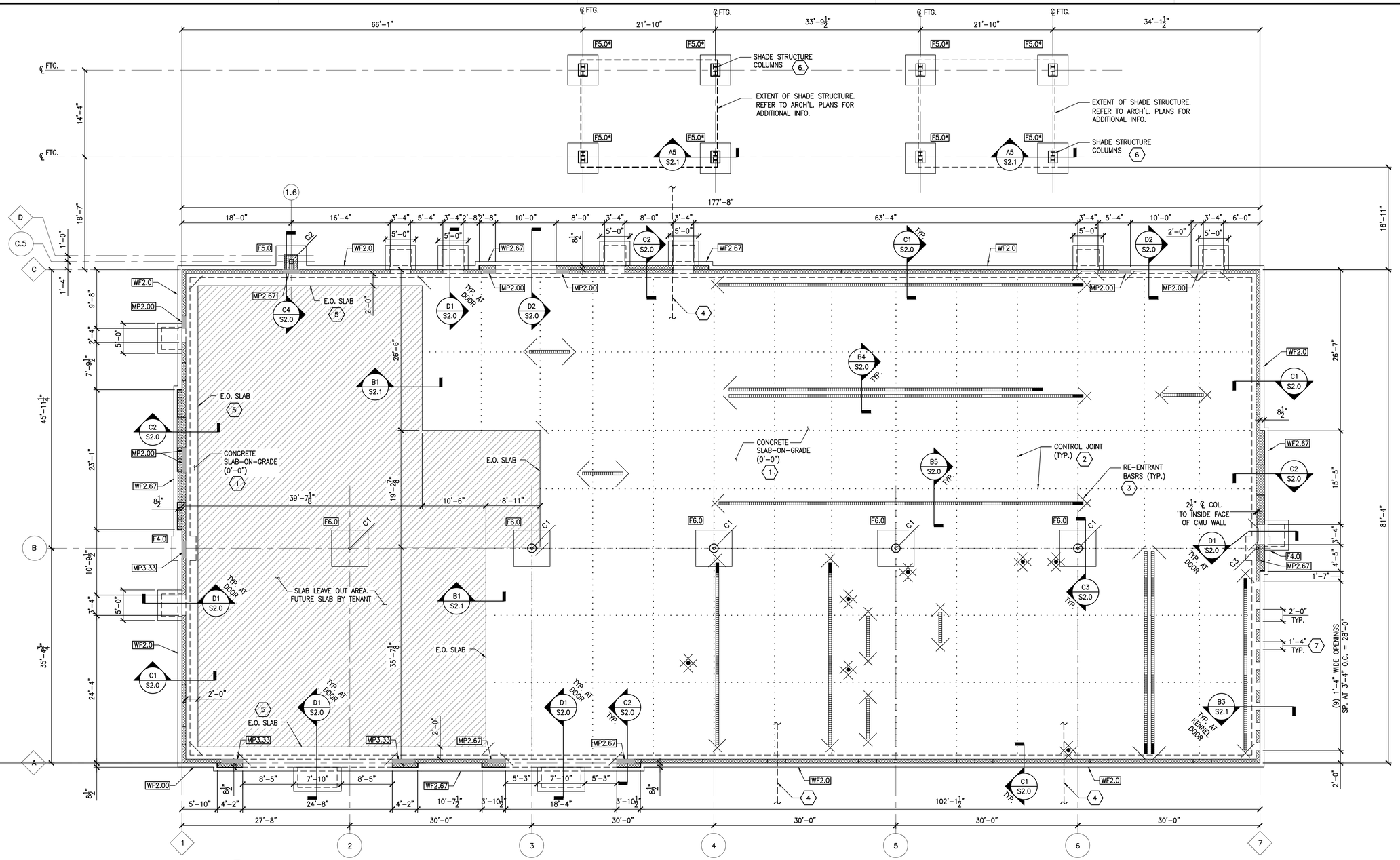
ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	SHC

JOB NO. 2020155.27

S0.2

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\101_S0.2 STRUCTURAL GENERAL NOTES.dwg
---- - akoleasr



1 S1.1 FOUNDATION PLAN
SCALE: 1/8"=1'-0"

NORTH

GENERAL SHEET NOTES

A. DO NOT SCALE DRAWINGS.
B. COORDINATE WORK WITH OTHER TRADES, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE TENANT AND LANDLORD/BUILDING OWNER, AND THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. COORDINATE THE INSTALLATION WITH OTHER TRADES AS REQUIRED TO ENSURE A NEAT AND ORDERLY INSTALLATION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE STARTING WORK.
C. GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
D. ELEVATIONS ARE REFERENCED FROM TOP OF SLAB ELEVATION = 100'-0" = 1001.00'.
E. (±0'-0") DENOTES TOP OF FOUNDATION ELEVATION REFERENCED FROM 100'-0".
F. TOP OF BUILDING FOUNDATIONS ARE (-1'-4") U.N.O.
G. SPREAD FOOTINGS SHALL BE CENTERED BELOW COLUMNS, U.N.O.
H. SEE ARCHITECTURAL DRAWINGS FOR EXTENT AND FINISH OF SLAB ON GRADE AND ANY FLOOR DEPRESSIONS.
I. ▭▭▭▭▭▭ DENOTES TRENCH DRAINS COORDINATE ALL TRENCH DRAINS WITH ARCH. DWG A5.0.
J. "MPx.xx" ▭▭▭ DENOTES MASONRY PIER MARK. REFER TO MASONRY PIER SCHEDULE AND MASONRY PIER/JAMB DETAIL A3/S2.0.
K. "WFx.xx" DENOTES CONTINUOUS WALL FOOTING MARK. REFER TO FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
L. "Fx.xx" DENOTES SPREAD FOOTING MARK. REFER TO FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
M. "Px.x" DENOTES PIER FOOTING MARK. REFER TO FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
N. "Cx" DENOTES STEEL COLUMN. REFER TO COLUMN SCHEDULE FOR ADDITIONAL INFORMATION.
O. ▭▭▭▭▭▭ DENOTES 8" MASONRY WALL. SEE MASONRY WALL REINFORCING SCHEDULE ON THIS SHEET AND SEE DETAIL A1/S2.0 FOR WALL REINFORCING SECTION AND NOTES.
M. SEE SHEETS S0.1 FOR GENERAL STRUCTURAL NOTES.
N. FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
O. REFER TO S1.1 ROOF FRAMING PLAN FOR LOCATION OF MASONRY WALL VERTICAL CONTROL JOINTS.
P. ◇ DENOTES WALL GRID LINE TO EXTERIOR FACE OF CMU WALL.
Q. ○ DENOTES GRID LINE TO CENTER OF STEEL COLUMNS.

KEYNOTES

1. 5" THICK CONCRETE SLAB-ON-GRADE REINFORCED w/W.W.F. 6x6xW2.9xW2.9 42# MESH ON A 10 MIL VAPOR RETARDER ON A MIN 6" LAYER OF WELL GRADED COMPACTED GRANULAR LAYER (REFER TO GEOTECH REPORT FOR DRAINAGE LAYER MATERIAL).
2. COORDINATE LOCATIONS OF SLAB CONTROL JOINTS WITH LAYOUTS OF FLOOR DRAINS & BOX OUTS AT COLUMN LOCATIONS (SEE COLUMN SECTIONS). SLAB JOINTS TO BE SPACED @ 10'-0" MAX. SEE A1/S2.1.
3. PROVIDE (2)-#4x4'-0" LONG BARS AT ALL FLOOR DRAINS/SINKS, END OF TRENCH DRAINS, AND AT ALL SLAB RE-ENTRANT CORNERS. REFER TO DETAIL A3/S2.1 FOR ADDITIONAL INFORMATION. NOT ALL LOCATIONS SHOWN ON PLAN.
4. UTILITY PENETRATION THRU BUILDING FOUNDATION. SEE DETAIL A4/S2.1.
5. SLAB EDGE AT SLAB LEAVE OUT. REFER TO DETAIL B2/S2.1 FOR ADDITIONAL INFORMATION.
6. PRE-ENGINEERED SHADE STRUCTURE COLUMN PROVIDED BY SUPPLIER. SEE DELEGATED DESIGN NOTES ON SHEET S0.1
7. PROVIDE #6 VERT. BAR & FTG. DOWEL IN CELL EACH SIDE OF WALL OPENING. TYP. OF 9 OPENINGS. EXTEND WALL REINFORCING TO TOP OF WALL AND GROUT CELLS SOLID. REFER: A1/S1.0 FOR ADDITIONAL INFO.

MASONRY PIER/JAMB SCHEDULE

MARK	LENGTHxWIDTH (NOMINAL)	VERT. REINF.	REMARKS
MP2.0	2'-0" x 8"	(2)-#6 VERT. EA. CELL (6 TOTAL)	SEE A3/S2.0
MP2.67	2'-8" x 8"	(2)-#6 VERT. EA. CELL (8 TOTAL)	SEE A3/S2.0
MP3.33	3'-4" x 8"	(2)-#6 VERT. EA. CELL (10 TOTAL)	SEE A3/S2.0

COLUMN SCHEDULE

MARK	COLUMN SIZE	BASE PLATE SIZE	REMARKS
C1	HSS6#x1/2	1"x12"x1'-0"	TYPE 'A'
C2	HSS8x8x5/16	3/4"x14"x1'-2"	TYPE 'B'
C3	HSS5x5x1/2	1"x11"x0'-11"	TYPE 'B'

NOTE:
SEE DETAIL D3/S2.0 FOR TYP. BASE PLATE DETAILS.

FOOTING SCHEDULE

2000 PSF STRIP FTG.
2500 PSF SPREAD FTG.

FTG#	FTG. SIZE (W x L x T)	REINFORCING	T/FTG EL.
F6.0	6'-0"x6'-0"x2'-2"	(7)-#5 BARS EACH WAY TOP AND BOTTOM	REFER NOTE 'F'
F5.0	5'-0"x5'-0"x2'-2"	(6)-#5 BARS EACH WAY TOP AND BOTTOM	REFER NOTE 'F'
F5.0*	5'-0"x5'-0"x2'-10"	(6)-#5 BARS EACH WAY TOP AND BOTTOM	-0'-8" BELOW ADJACENT GRADE
F4.0	4'-0"x4'-0"x2'-2"	(5)-#5 BARS EACH WAY TOP AND BOTTOM	REFER NOTE 'F'
WF2.0	2'-0"xCONT.x2'-2"	(3)-#5 CONT. BARS BOTTOM	REFER NOTE 'F'
WF2.67	2'-8"xCONT.x2'-2"	(3)-#5 CONT. BARS BOTTOM #5 TRANS. BARS @ 16" O.C.	REFER NOTE 'F'

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REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

John N. Kabak – Structural Engineer
PE-2011021685
STATE OF MISSOURI
JOHN N. KABAK
NUMBER PE-2011021685
PROFESSIONAL ENGINEER
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEES SUMMIT, MO 64086

FOUNDATION PLAN

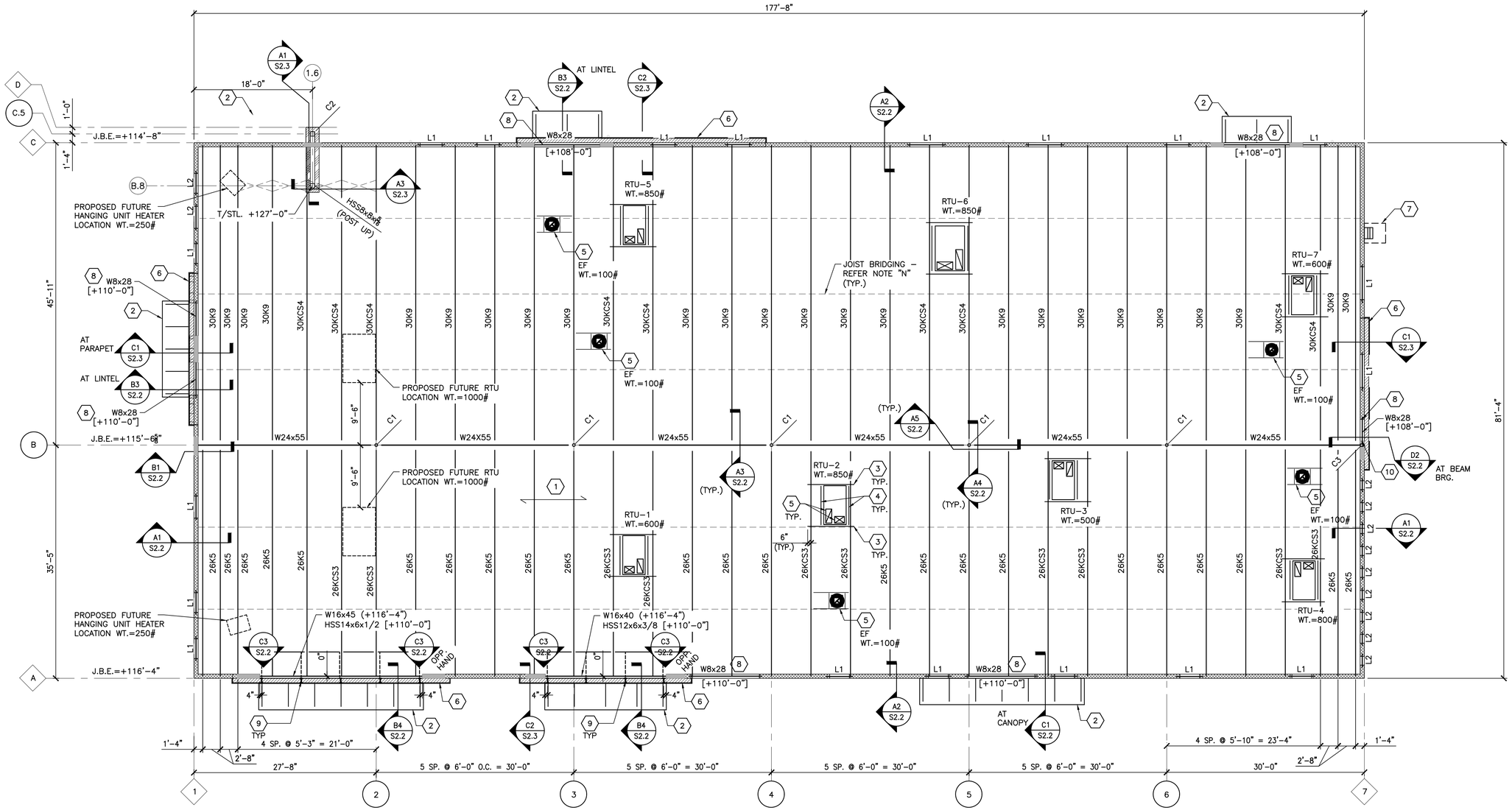
ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	SHC

JOB NO.
2020155.27

S1.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\105_S1.0 FOUNDATION PLAN.dwg
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GENERAL SHEET NOTES

A. DO NOT SCALE DRAWINGS.
B. COORDINATE WORK WITH OTHER TRADES, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE TENANT AND LANDLORD/BUILDING OWNER, AND THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. COORDINATE THE INSTALLATION WITH OTHER TRADES AS REQUIRED TO ENSURE A NEAT AND ORDERLY INSTALLATION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE STARTING WORK.
C. GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
D. FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
E. SEE SHEETS S0.1 AND S0.2 FOR GENERAL STRUCTURAL NOTES.
F. ELEVATIONS ARE REFERENCED FROM TOP OF SLAB ELEVATION = +100'-0" = 1001.0'.
G. (±x'-x") DENOTES TOP OF STEEL ELEVATION ABOVE FINISH FLOOR.
H. [±x'-x"] DENOTES BOTTOM OF STEEL ELEVATION ABOVE FINISH FLOOR.
I. JOIST SUPPLIER SHALL PROVIDE BRIDGING PER SJI REQUIREMENTS IN ADDITION TO ANY BRIDGING SHOWN OR REQUIRED FOR UPLIFT.
J. "Cx" DENOTES COLUMN MARK. SEE COLUMN SCHEDULE ON FOUNDATION PLAN, S1.0.
K. "L1" DENOTES (2) L4x3½x¼ (LLV) LOOSE LINTEL. REFER TO LOOSE LINTEL BEARING DETAIL B2/S2.2. PROVIDE (2) L3½x3½x¼ FOR WALL OPENINGS 2'-8" OR LESS.
L. "L2" DENOTES 8"x 16" MASONRY LINTEL w/(2)-#5 BAR & BOTTOM. REFER TO DETAIL D1/S2.2 FOR ADDITIONAL INFORMATION.
M. ▨ DENOTES 8" MASONRY WALL. SEE FOUNDATION PLAN FOR ADDITIONAL INFORMATION.
N. JOIST SUPPLIER SHALL PROVIDE TYPICAL JOIST AND UPLIFT BRIDGING PER STEEL JOIST INSTITUTE REQUIREMENTS. OFFSET BRIDGING WHERE REQUIRED AT ROOF TOP MECHANICAL UNITS. SEE SHEET S.01 FOR UPLIFT LOADS. REFER TO DETAILS FOR TYPICAL JOIST BRIDGING INFORMATION.
O. REFER TO ARCH'L ELEVATIONS FOR LOCATION OF VERTICAL CONTROL JOINTS IN MASONRY WALL. REFER TO DETAIL A5/S2.0 AND MASONRY NOTES ON SHEET S0.1 FOR ADDITIONAL INFORMATION.
P. ▭ DENOTES REINFORCED GROUTED MASONRY PIER/JAMB. SEE FOUNDATION PLAN FOR ADDITIONAL INFORMATION.
Q. REFER TO DETAIL D4/S2.3 FOR TYPICAL JOIST REINFORCING DETAIL.
R. REFER TO DETAIL D5/S2.3 FOR TYPICAL HANGER SUPPORT DETAIL FOR SUSPENDED EQUIPMENT.

KEYNOTES

1. MAIN ROOF DECKING: 1½" DEEP, TYPE "B" (WIDE RIB), 22 GA. GALVANIZED ROOF DECK. ROOF DECK WELD PATTERN TO SUPPORTING MEMBERS SHALL BE 36/4 PATTERN OF ⅝"ø PUDDLE WELDS. DECK SIDELAP FASTENERS SHALL BE (3)#10 TEK SCREWS PER SPAN. ATTACH DECK TO PERIMETER SUPPORTS WITH 5/8"ø PUDDLE WELDS @ 6" O.C.
2. CANOPY FRAMING STRUCTURE TO BE DESIGNED AND DETAILED BY A ENGINEER LICENSED IN THE STATE OF MISSOURI. REFER TO "DELEGATED DESIGN" NOTES FOR ADDITIONAL INFORMATION.
3. MC6x15.3 LAID FLAT WITH FLANGES TURNED DOWN BETWEEN THE DECK FLUTES TO SUPPORT MECHANICAL UNIT CURB. EXTEND MC6 CHANNEL 6" MIN. PAST BEARING END. SEE DETAIL C4/S2.3. TYPICAL BELOW ALL ROOF TOP UNITS.
4. C6x8.2 LAID FLAT BENEATH ROOF CURB.
5. PROVIDE ANGLE FRAMING DECK SUPPORT AT ALL ROOF PENETRATIONS. FRAMING NOT SHOWN FOR CLARITY. SEE DETAIL C5/S2.3 FOR ADDITIONAL INFO. TYPICAL AT ALL ROOF TOP EQUIPMENT. CONTRACTOR SHALL ENSURE WEATHER-TIGHT SEAL AROUND ALL ROOF PENETRATIONS.
6. 8"x2" FLANGE 18 GA. CFS FURRING STUDS @ 16" O.C. (12'-0" MIN. STUD LENGTH) ANCHOR EACH STUD TO CMU WALL USING SIMPSON S/MHGA10 CLIP SPACED VERTICALLY ALONG STUD AT 48" O.C. REFER TO DETAIL C1 & C2 ON SHEET S2.3.
7. PRE-FABRICATED ROOFTOP ACCESS STEEL LADDER TO BE ANCHORED TO CMU WALL PER MANUFACTURER'S SPECIFICATIONS. REFER TO DELEGATED DESIGN NOTES ON SHEET S0.1. REFER TO ARCH'L. PLANS AND SHEET A7.0 FOR ADDITIONAL INFORMATION.
8. REFER TO DETAIL C2/S2.2 FOR TYPICAL STL. BEAM LINTEL BEARING DETAIL.
9. W8x18 x 6'-0" LG. VERTICAL WALL/CANOPY BRACING AT EACH SIDE OF OPENING AND AT 6'-0" O.C. MAX. SEE DETAIL B4/S2.2.
10. ATTACH LINTEL TO COLUMN USING L3x3x3/8 x0'-6" STD. AISC SHEAR CLIP CONNECTION.

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PROFESSIONAL ENGINEER
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ROOF FRAMING PLAN

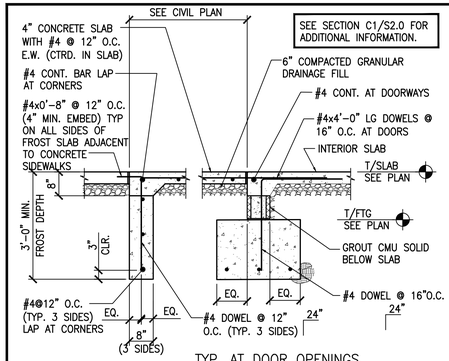
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PROJECT MANAGER	DESIGNER
KMW	SHC

JOB NO.
2020155.27

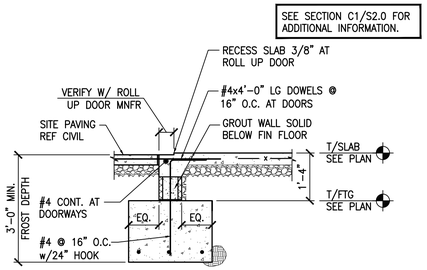
S1.1

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\105_S1.1 FRAMING PLAN.dwg
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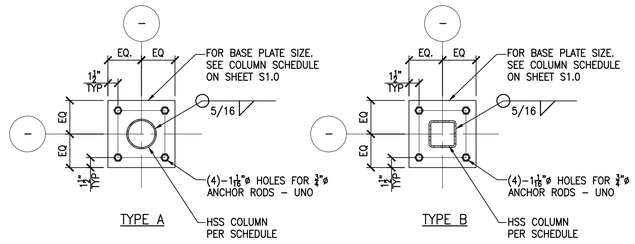
TYP. AT DOOR OPENINGS

D1 / S2.0 SECTION
SCALE: 1/2"=1'-0"

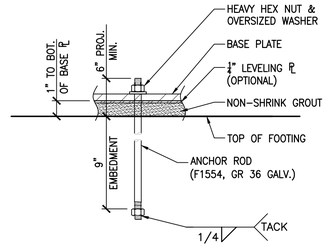


TYP. AT ROLL UP DOOR OPENINGS

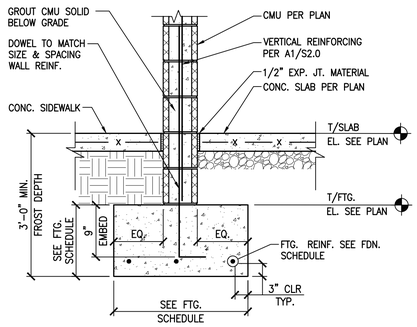
D2 / S2.0 SECTION
SCALE: 1/2"=1'-0"



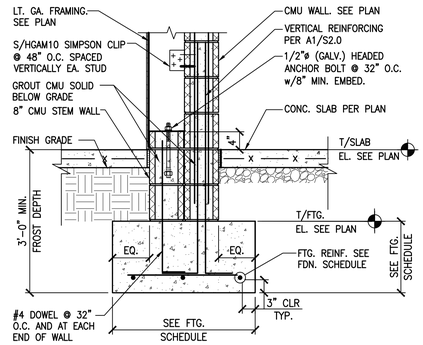
D3 / S2.0 TYP. BASE PLATE DETAILS
SCALE: 3/4"=1'-0"



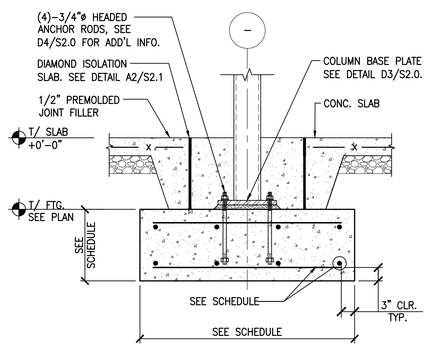
D4 / S2.0 TYP. ANCHOR ROD/BASE PLATE DETAIL
SCALE: 3/4"=1'-0"



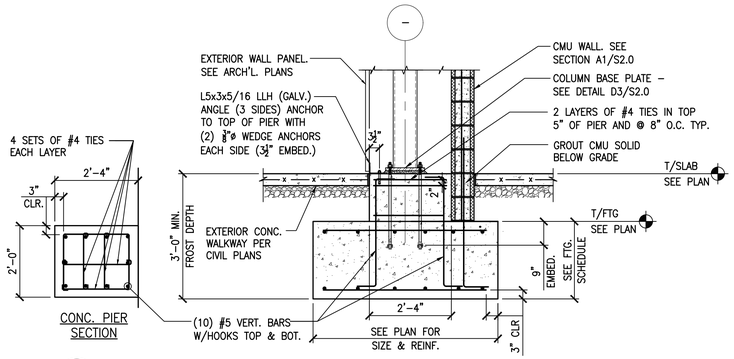
C1 / S2.0 TYP. WALL FOOTING SECTION
SCALE: 3/4"=1'-0"



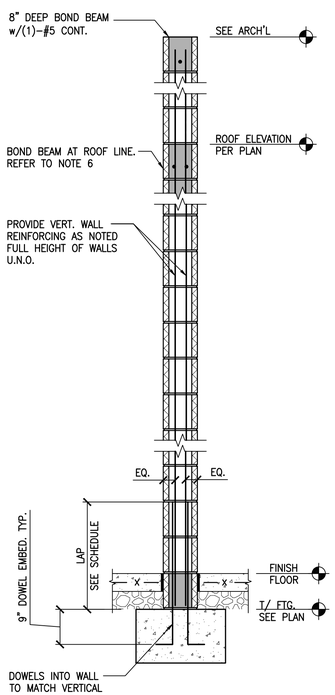
C2 / S2.0 WALL FOOTING AT FRONT ENTRY/SIDE BUMPOUT
SCALE: 1/2"=1'-0"



C3 / S2.0 COLUMN FOOTING
SCALE: 3/4"=1'-0"



C4 / S2.0 SECTION
SCALE: 1/2"=1'-0"



A1 / S2.0 TYP. MASONRY WALL REINF. SECTION
SCALE: N.T.S.

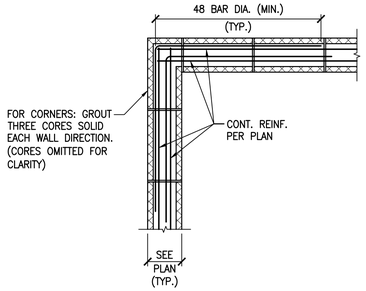
MASONRY WALL REINFORCING NOTES:

1. ALL MASONRY WALLS ARE DESIGNED AS ORDINARY REINFORCED MASONRY SHEAR WALLS AND SHALL BE DETAILED AS SUCH.
2. REINFORCING SHOWN IS THE MINIMUM REQUIRED. SEE PLANS, DETAILS, AND NOTES FOR ADDITIONAL REINFORCING REQUIRED.

   8" CMU PERIMETER WALLS VERTICAL REINFORCING:
   (1) #6 VERTICAL BAR AT 40" O.C. (CENTERED IN WALL)
3. PROVIDE (3)–VERTICAL BARS AT ALL CORNERS AND (2)–VERTICAL BARS AT ALL INTERSECTIONS AND EACH SIDE OF ALL MASONRY OPENINGS & CONTROL JOINTS, U.O.N. (REINFORCING SIZE TO MATCH VERTICAL WALL REINFORCING). PROVIDE DOWEL INTO FOOTING OF SAME SIZE, SPACING AND LOCATION AS VERTICAL REINFORCING. OMIT DOWELS AT DOORS. REFER TO DETAIL A4 & A5/S2.0 FOR ADDITIONAL INFORMATION.
4. WHERE ROOF SLOPES, STEP BOND BEAM REINFORCING TO FOLLOW ROOF LINE. LAP BOND BEAMS PER SCHEDULE WHERE BOND BEAM STEPS. PROVIDE CORNER BARS IN ALL BOND BEAMS AT ALL CORNERS AND INTERSECTIONS. LAP SPLICE BOND BEAM REINFORCING PER SCHEDULE BELOW.
5. WALLS SHALL BE GROUTED AT ALL CELLS CONTAINING HORIZONTAL AND VERTICAL REINFORCING, ALL BOND BEAMS, ALL CELLS BELOW FINISHED FLOOR OR GRADE, ALL CELLS AT PARAPET ABOVE ROOF LINE, ALL CELLS TO RECEIVE ANCHOR BOLTS OR EMBEDDED PLATES, AND ALL OTHER LOCATIONS NOTED ON THE DRAWINGS TO BE GROUTED SOLID.
6. BOND BEAM REINFORCING AT ROOF LINE AS NOTED BELOW SHALL BE CONTINUOUS THROUGH CONTROL JOINTS. SEE DETAILS B3/S2.0 FOR BOND BEAM DETAIL AT WALLS CORNERS.

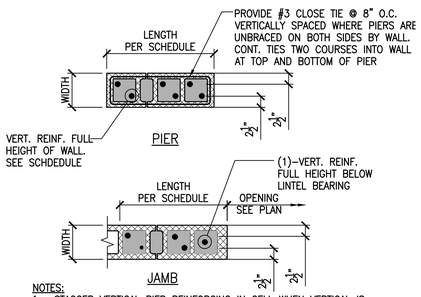
   BOND BEAM LOCATION AND REINFORCING SHALL BE AS FOLLOWS:
   A. (1)–#5 IN 8" DEEP BOND BEAM AT TOP OF CMU WALL.
   B. (2)–#5 IN 16" DEEP BOND BEAM AT MAIN BUILDING ROOF LINE
   C. (1)–#5 BELOW WINDOW SILL. EXTEND 24" MIN. PAST EACH SIDE OF OPENING.
   D. ADDITIONAL BOND BEAMS AS SHOWN IN WALL DETAILS.
7. PROVIDE CONTROL JOINTS PER DETAIL A5/S2.0.

CMU LAP SCHEDULE		
SIZE	(1)–CURTAIN REINF. CENTERED	(2)–CURTAIN REINF. CENTERED
#4	21"	34"
#5	26"	53"
#6	40"	99"



PLAN VIEW

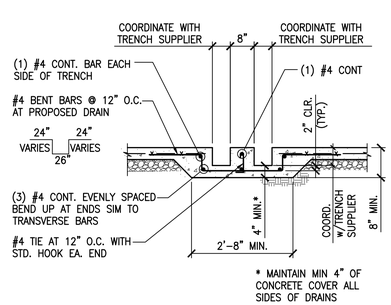
B3 / S2.0 CMU BOND BEAM AT CORNER
SCALE: 3/4"=1'-0"



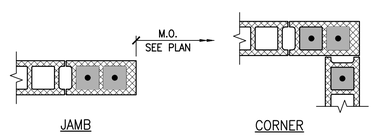
NOTES:

1. STAGGER VERTICAL PIER REINFORCING IN CELL WHEN VERTICAL IS REQUIRED IN EACH FACE OF CELL.
2. GROUT MASONRY PIER AND JAMB SOLID FROM TOP OF FOUNDATION TO TOP OF WALL.
3. LOCATE #3 CLOSED–TIES IN MORTAR JOINT.
4. SEE DETAIL A4/S2.0 FOR TYPICAL JAMB REINFORCING.

A3 / S2.0 MASONRY PIER/JAMB DETAILS
SCALE: 3/4"=1'-0"



B4 / S2.0 SECTION
SCALE: 1/2"=1'-0"

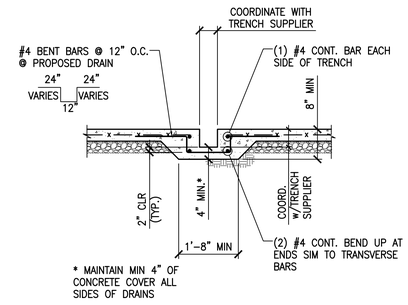


NOTES:

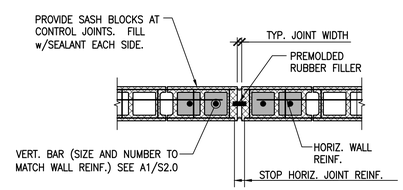
1. PROVIDE MIN. (2)–VERTICAL BARS AT ALL END OF WALLS AND (3) VERTICAL BARS AT ALL WALL CORNERS U.O.N. BAR SIZE SHALL MATCH SIZE INDICATED ON PLANS.
2. ALL INTERSECTING MASONRY CORNERS SHALL BE TIED BY MASONRY BOND.

TYP. MASONRY REINFORCING DETAILS

A4 / S2.0
SCALE: 3/4"=1'-0"



B5 / S2.0 SECTION
SCALE: 1/2"=1'-0"



NOTES:

1. COORDINATE JOINT LOCATIONS w/ ARCHITECTURAL DRAWINGS.
2. DO NOT LOCATE JOINT WITHIN REINFORCED ELEMENTS SUCH AS COLUMNS, LINTELS, PIERS, PILASTERS OR OPENING JAMBS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
3. MAX. SPACING OF JOINTS: PANEL LENGTH/HEIGHT = 1.5 MAX., 20'–0" MAX.
4. WALL REINFORCING SHALL NOT CONTINUE THROUGH JOINT EXCEPT AT BOND BEAM AT ROOF LEVEL AND TOP OF WALL.

A5 / S2.0 TYP. MASONRY WALL JOINT
SCALE: 3/4"=1'-0"

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FOUNDATION SECTIONS & DETAILS

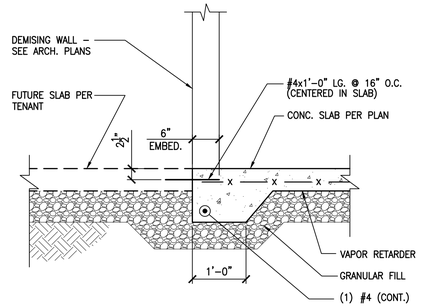
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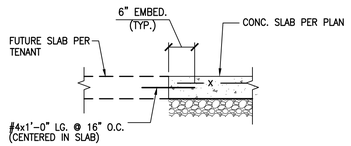
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S2.0

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February 15, 2021 - akolesar

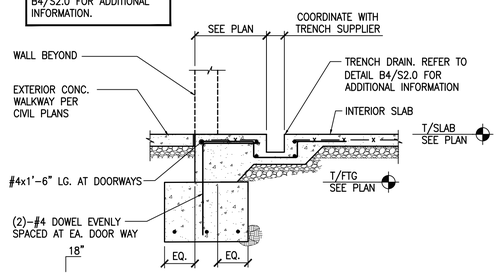


B1 / S2.1 SLAB DETAIL AT DEMISING WALL
SCALE: 3/4"=1'-0"



B2 / S2.1 SLAB DETAIL AT LEAVE OUT
SCALE: 3/4"=1'-0"

SEE SECTION C1/S2.0 & B4/S2.0 FOR ADDITIONAL INFORMATION.

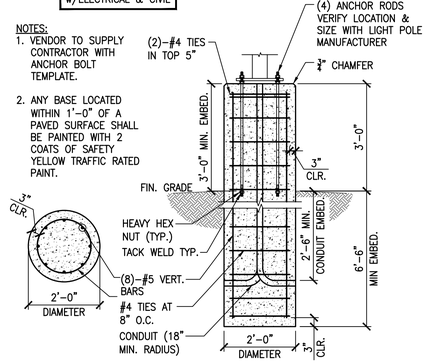


TYP. AT KENNEL DOOR OPENINGS

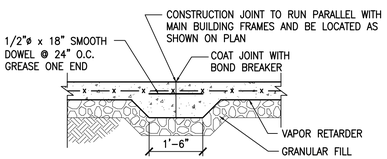
B3 / S2.1 SECTION
SCALE: 1/2"=1'-0"

COORD. LIGHT POLE FOUNDATION DETAILS w/ELECTRICAL & CIVIL

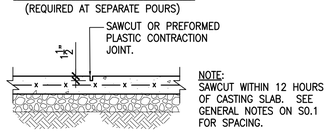
NOTES:
1. VENDOR TO SUPPLY CONTRACTOR WITH ANCHOR BOLT TEMPLATE.
2. ANY BASE LOCATED WITHIN 1'-0" OF A PAVED SURFACE SHALL BE PAINTED WITH 2 COATS OF SAFETY YELLOW TRAFFIC RATED PAINT.



B4 / S2.1 LIGHT POLE FOUNDATION
SCALE: 1/2"=1'-0"

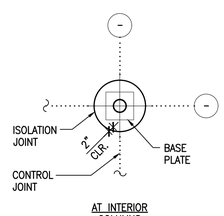


OPTIONAL CONSTRUCTION JOINT DETAIL
(REQUIRED AT SEPARATE POURS)



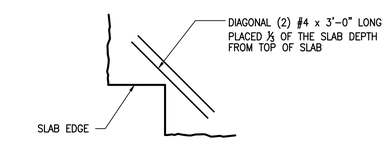
TYPICAL CONTRACTION JOINT DETAIL

A1 / S2.1 TYP. SLAB JOINT DETAIL
SCALE: 1/2"=1'-0"

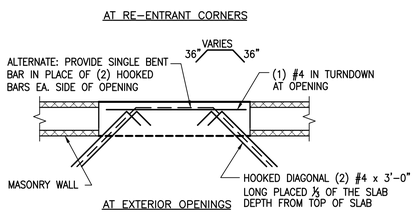


AT INTERIOR COLUMNS

A2 / S2.1 TYP. SLAB JOINT AT PIERS/COLUMNS
SCALE: N.T.S.

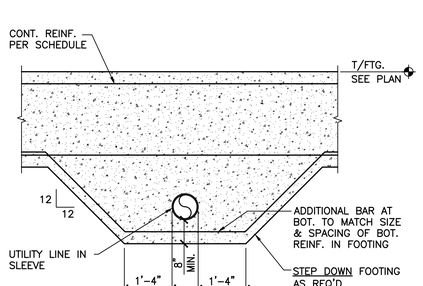


AT RE-ENTRANT CORNERS

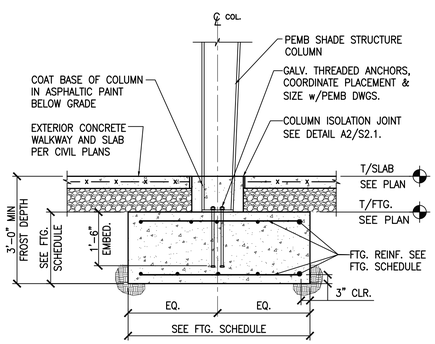


AT EXTERIOR OPENINGS

A3 / S2.1 SLAB RE-ENTRANT BARS DETAIL
SCALE: N.T.S.



A4 / S2.1 TYP. PIPE PENETRATION
SCALE: 1/2"=1'-0"



A5 / S2.1 SHADE STRUCTURE FOUNDATION
SCALE: 1/2"=1'-0"

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-	01.29.21	95% CLIENT REVIEW SET

John N. Kabak – Structural Engineer
PE-2011021685

STATE OF MISSOURI
JOHN N. KABAK
NUMBER PE-2011021685
PROFESSIONAL ENGINEER
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

FOUNDATION SECTIONS & DETAILS

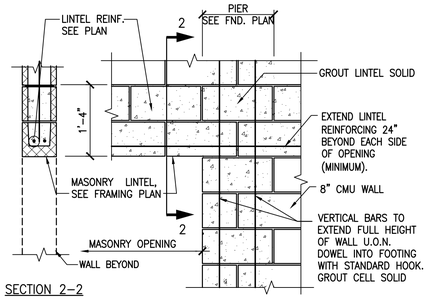
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CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KW	SC

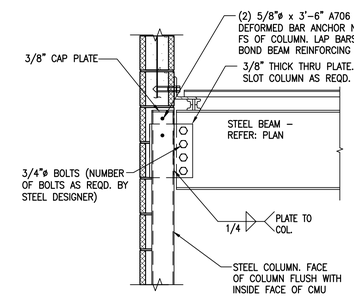
JOB NO. 2020155.27

S2.1

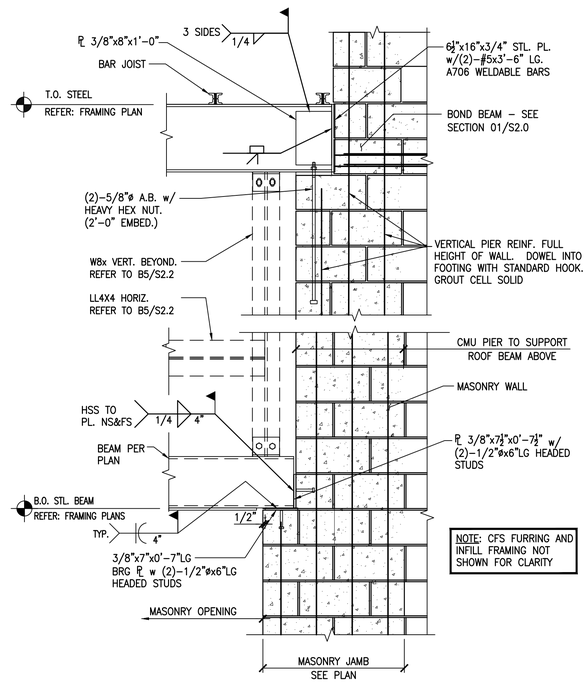
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D1 / S2.2 CMU LINTEL DETAIL
SCALE: 3/4"=1'-0"

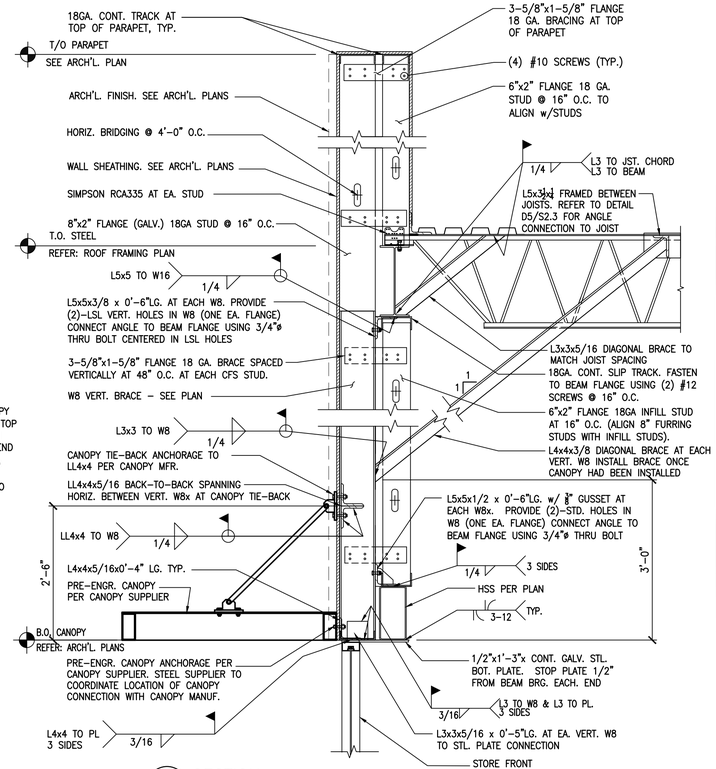


D2 / S2.2 DETAIL
SCALE: 3/4"=1'-0"

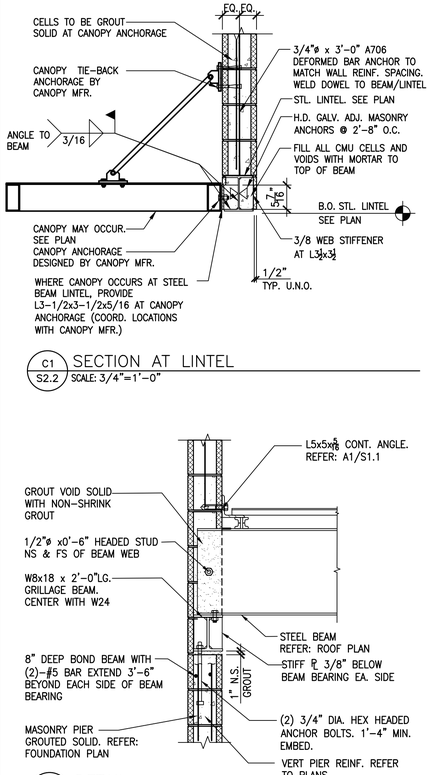


NOTE: CFS FURRING AND INFILL FRAMING NOT SHOWN FOR CLARITY

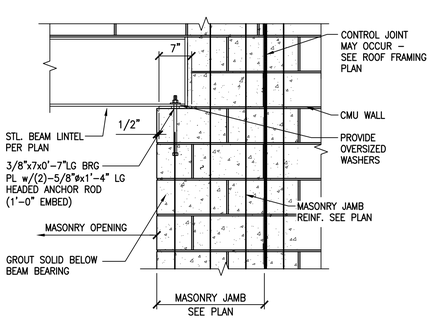
C3 / S2.2 FRAMING ELEVATION AT JAMB
SCALE: 3/4"=1'-0"



B4 / S2.2 SECTION
SCALE: 3/4"=1'-0"

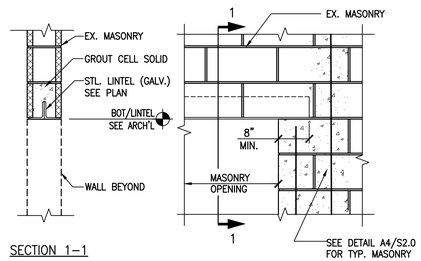


C1 / S2.2 SECTION AT LINTEL
SCALE: 3/4"=1'-0"

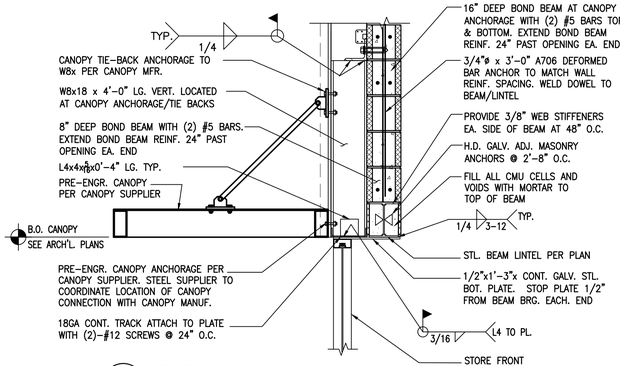


C2 / S2.3 STL. BEAM BRG. DETAIL
SCALE: 3/4"=1'-0"

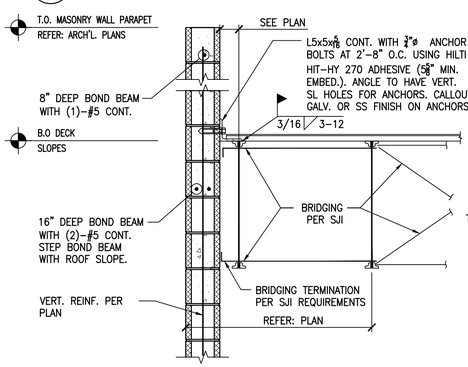
B1 / S2.2 DETAIL
SCALE: 3/4"=1'-0"



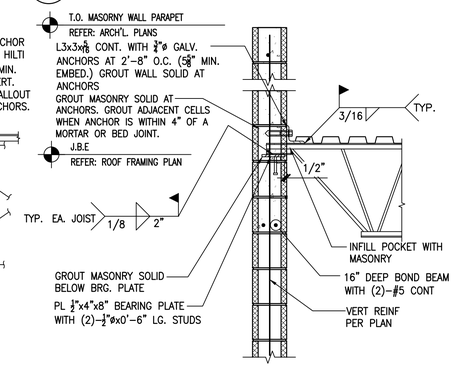
B2 / S2.2 LOOSE LINTEL DETAIL
SCALE: 3/4"=1'-0"



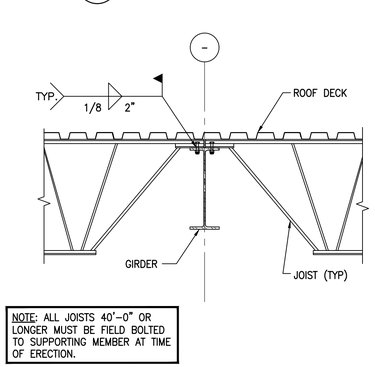
B3 / S2.2 SECTION
SCALE: 3/4"=1'-0"



A1 / S2.2 DETAIL
SCALE: 3/4"=1'-0"

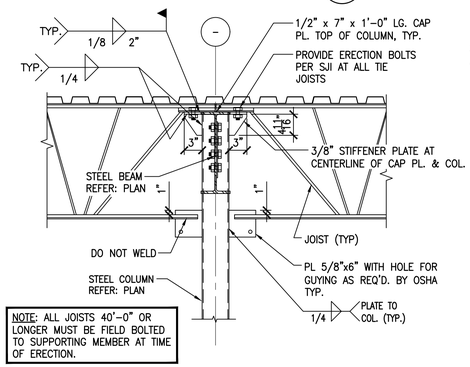


A2 / S2.2 DETAIL
SCALE: 3/4"=1'-0"



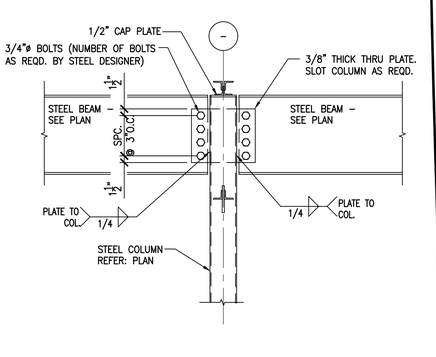
NOTE: ALL JOISTS 40'-0" OR LONGER MUST BE FIELD BOLTED TO SUPPORTING MEMBER AT TIME OF ERECTION.

A3 / S2.2 DETAIL
SCALE: 3/4"=1'-0"



NOTE: ALL JOISTS 40'-0" OR LONGER MUST BE FIELD BOLTED TO SUPPORTING MEMBER AT TIME OF ERECTION.

A4 / S2.2 DETAIL
SCALE: 3/4"=1'-0"



A5 / S2.2 TYP. BEAM TO COLUMN DETAIL
SCALE: 3/4"=1'-0"

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STATE OF MISSOURI
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NUMBER PE-2011021685
REGISTERED ENGINEER
02/16/21

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250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

FRAMING SECTIONS AND DETAILS

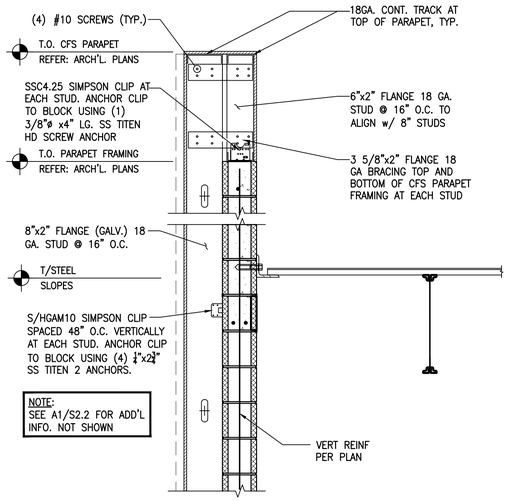
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PROJECT MANAGER	DESIGNER
KMW	SHC

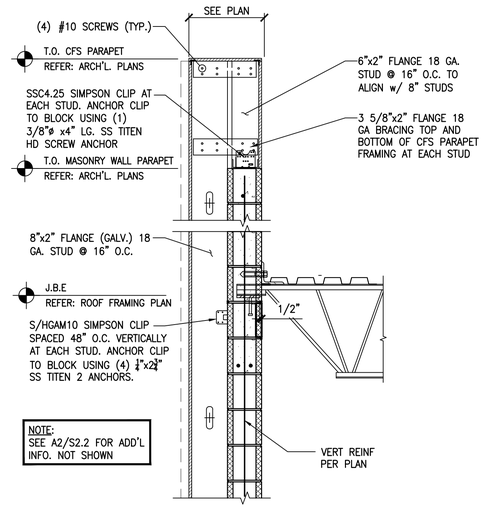
JOB NO. 2020155.27

S2.2

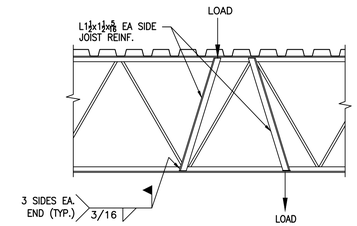
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C1 S2.3 DETAIL
SCALE: 3/4"=1'-0"

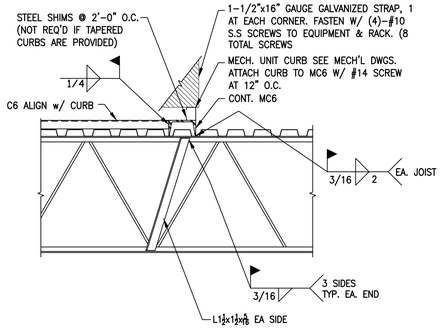


C2 S2.3 DETAIL
SCALE: 3/4"=1'-0"

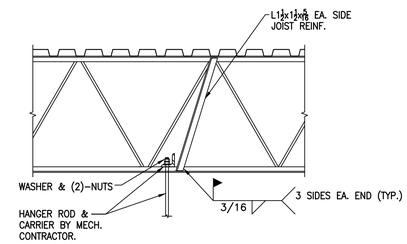


NOTE:
WHEN A CONCENTRATED LOAD OCCURS BETWEEN CHORD PANEL POINTS, PROVIDE ANGLE REINFORCEMENT AS SHOWN IF THE APPLIED LOAD EXCEEDS 100 LBS.IF MULTIPLE CONCENTRATED LOADS OCCUR BETWEEN CHORD PANEL POINTS, THE SUM OF THE CONCENTRATED LOADS SHALL NOT EXCEED 100 LBS.

D4 S2.3 TYP. JOIST REINFORCEMENT DETAIL
SCALE: 3/4"=1'-0"

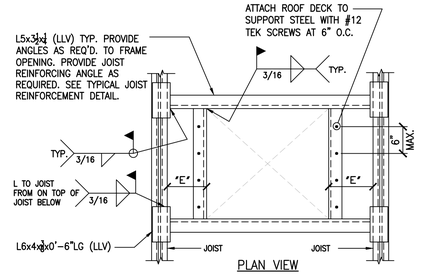


C4 S2.3 TYP. RTU SUPPORT DETAIL
SCALE: 3/4"=1'-0"



NOTE:
WHEN A CONCENTRATED LOAD OCCURS BETWEEN CHORD PANEL POINTS, PROVIDE ANGLE REINFORCEMENT AS SHOWN IF THE APPLIED LOAD EXCEEDS 100 LBS. IF MULTIPLE CONCENTRATED LOADS OCCUR BETWEEN CHORD PANEL POINTS, THE SUM OF THE CONCENTRATED LOADS SHALL NOT EXCEED 100 LBS.

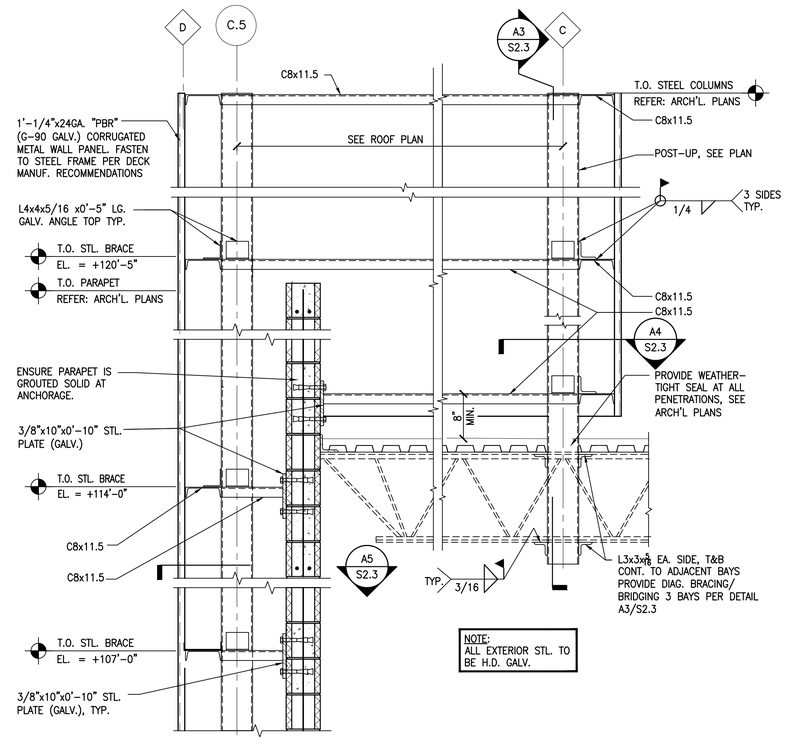
D5 S2.3 TYP. HANGER SUPPORT DETAIL
SCALE: 3/4"=1'-0"



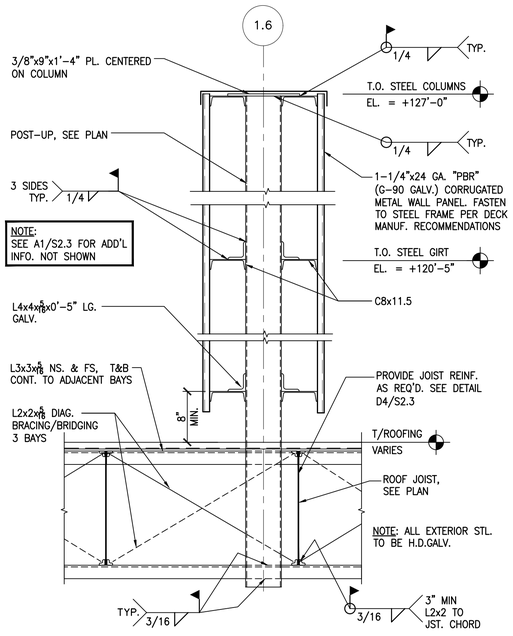
PLAN VIEW

NOTE:
TYPICAL ROOF OPENING DETAIL SHOWN APPLIES TO ALL ROOF OPENINGS WHERE LEAST DIMENSION IS 12" OR LARGER. REINFORCE ROOF OPENINGS LESS THAN 12" BY WELDING 16 GA. SHEET METAL 1'-0" WIDER THAN OPENING TO METAL ROOF DECK. WHERE DIMENSION "E" IS LESS THAN 6" ANGLE MAY BE OMITTED.

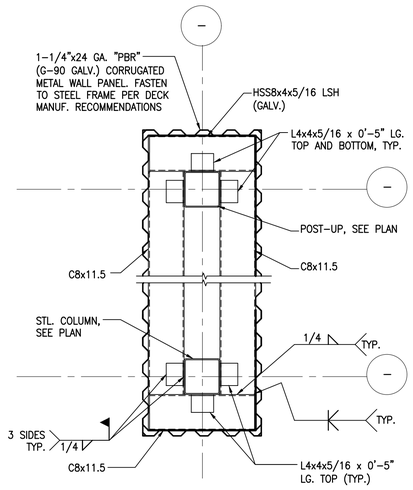
C5 S2.3 TYPICAL ROOF OPENING DETAIL
SCALE: 3/4"=1'-0"



A1 S2.3 SECTION
SCALE: 3/4"=1'-0"

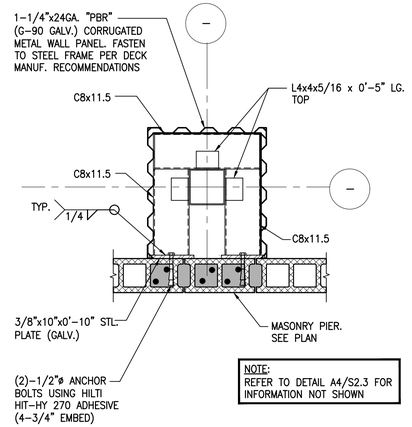


A3 S2.3 SECTION
SCALE: 3/4"=1'-0"



PLAN VIEW

A4 S2.3 SECTION
SCALE: 3/4"=1'-0"



NOTE:
REFER TO DETAIL A4/S2.3 FOR INFORMATION NOT SHOWN

PLAN VIEW

A5 S2.3 SECTION
SCALE: 3/4"=1'-0"

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KMW	SHC

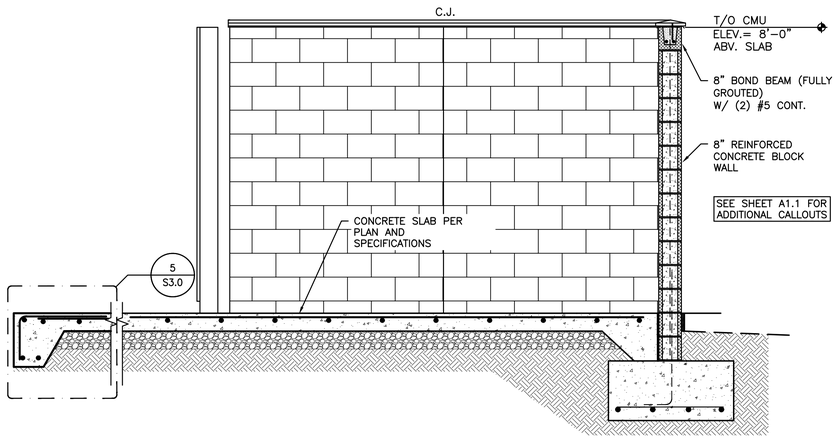
JOB NO.
2020155.27

S2.3

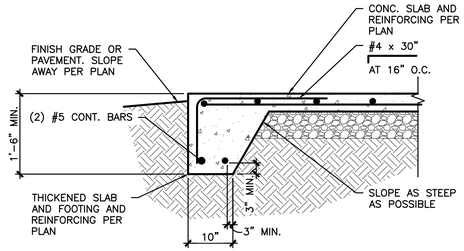
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DUMPSTER ENCLOSURE GENERAL NOTES

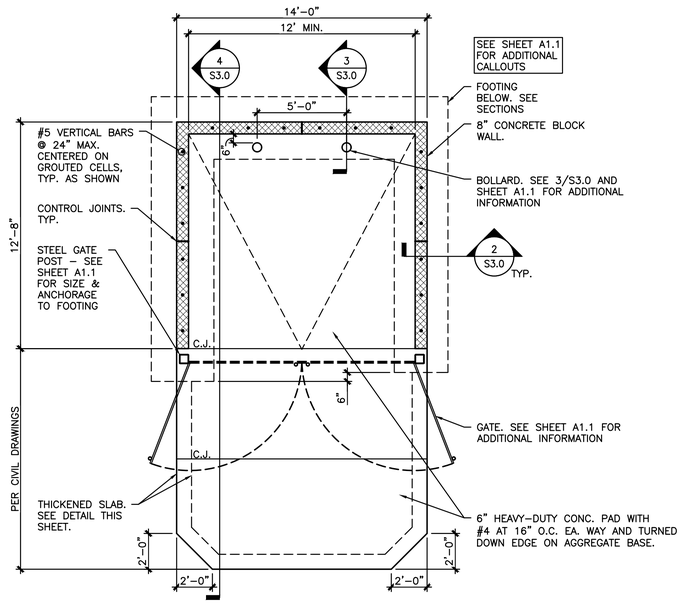
1. USE ASTM A36 FOR ALL ANGLES, PLATES, AND RODS.
2. USE ASTM A53, TYPE E OR S, GRADE B FOR PIPE.
3. ASTM A500, GRADE B (F_Y=46 KSI) FOR TUBE STEEL.
4. FINISH FOR STEEL; TO BE PAINTED OR HOT-DIPPED GALVANIZED.
5. WOOD IS TO BE OF NO. 2 GRADE OR BETTER.
6. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL INFORMATION
7. REFER TO SHEET A1.1 FOR ALL ARCHITECTURAL DUMPSTER ENCLOSURE INFORMATION.
8. REFER TO SHEET S2.0 FOR TYPICAL MASONRY WALL DETAILS.



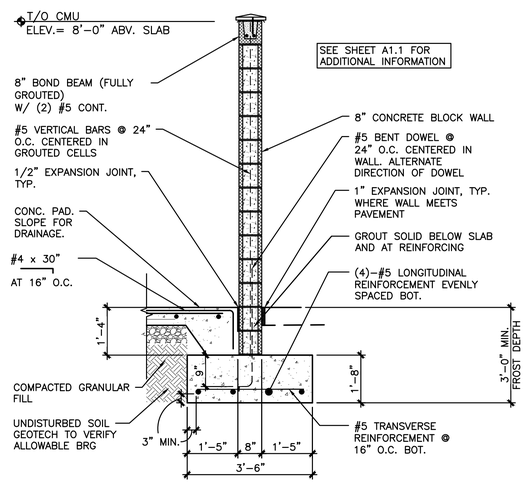
4 S3.0 SECTION
SCALE: 1/2"=1'-0"



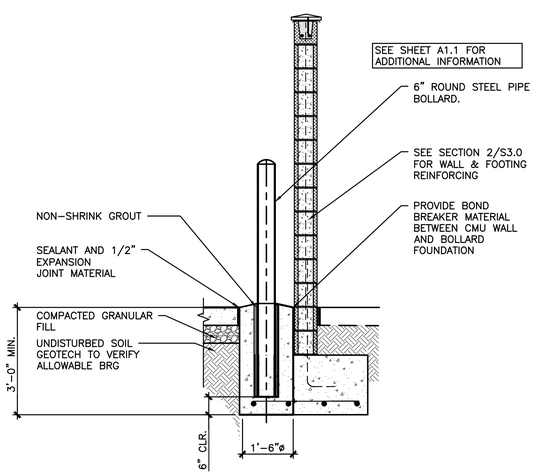
5 S3.0 DETAIL
SCALE: 3/4"=1'-0"



1 S3.0 DUMPSTER ENCLOSURE PLAN
SCALE: 1/4"=1'-0"



2 S3.0 TYPICAL DUMPSTER ENCLSOURE SECTION
SCALE: 1/4"=1'-0"



3 S3.0 SECTION
SCALE: 1/2"=1'-0"

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ENGINEER
02/16/21

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LEE'S SUMMIT, MO 64086

DUMPSTER ENCLOSURE FOUNDATION SECTIONS & DETAILS

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PROJECT MANAGER	DESIGNER
KMW	SHC

JOB NO.
2020155.27

S3.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\115_S3.0 DUMPSTER ENCLOSURE FOUNDATION SECTIONS & DETAILS.dwg
--- akobsar

GENERAL NOTES

A. DO NOT SCALE DRAWINGS.
B. SEE CIVIL SITE PLANS FOR PARKING, CURB, AND SIDEWALK CONSTRUCTION.
C. REFER TO LANDSCAPE PLAN FOR ALL PLANT MATERIALS AND INSTALLATION.

KEY NOTES

1. PROPERTY LINE, SEE CIVIL PLANS FOR FULL EXTENTS.
2. CMU DUMPSTER ENCLOSURE, SEE DETAILS S3.0 AND A1.1.
3. PYLON SIGN AND PIER FOUNDATION BY SIGN VENDOR. REFER TO ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
4. FENCED OUTDOOR PLAY AREA, SEE A2.3 AND A2.4.
5. HANDICAP PARKING SIGN, SEE CIVIL PLANS.
6. REFLECTIVE PARKING STALL STRIPING AND HANDICAP DESIGNATIONS PER LOCAL JURISDICTION REQUIREMENTS.
7. CURB RAMP, SEE CIVIL PLANS.
8. ELECTRICAL TRANSFORMER, SEE CIVIL PLANS.
9. EXTERIOR PLAY YARD SHADE STRUCTURE.
10. OPEN SLAB AREA W/ ARTIFICIAL TURF OVER COMPACTED STONE BASE, SEE A2.3 AND A2.4.
11. VINYL PRIVACY FENCE, SEE A2.3 AND A2.4.
12. SIDEWALK, SEE CIVIL.
13. LIGHT POLE AND LIGHT FIXTURE. REFER TO ELECTRICAL AND STRUCTURAL DRAWINGS.
14. GAS METER, REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION
15. BUILDING SET BACK.
16. ELECTRIC METER AND CT CABINET, SHOWN FOR REFERENCE ONLY. COORDINATE WITH ELECTRICAL SHEETS AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
17. APPROXIMATE LOCATION OF IRRIGATION CONTROLS. MOUNT TO EXTERIOR WALL. FINAL LOCATION TO BE DETERMINED BY LANDSCAPE ARCHITECT / IRRIGATION CONTRACTOR. CONFIRM WITH OWNER PRIOR TO INSTALLATION.
18. APPROXIMATE LOCATION OF POWERED ENTER / EXIT SIGNS. SEE SHEET E5.0 AND SIGNAGE SHOP DRAWINGS FOR ADDITIONAL INFORMATION.

PETSUITES
14,123 SF.
FFE: 1001.00

XFMR

1 A1.0 ARCHITECTURAL SITE PLAN
SCALE: N.T.S.

NORTH

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Mark S. Salopek – Architect
A-2004032558

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ARCHITECT

02/16/21

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PROJECT MANAGER	DESIGNER
KMW	MGP

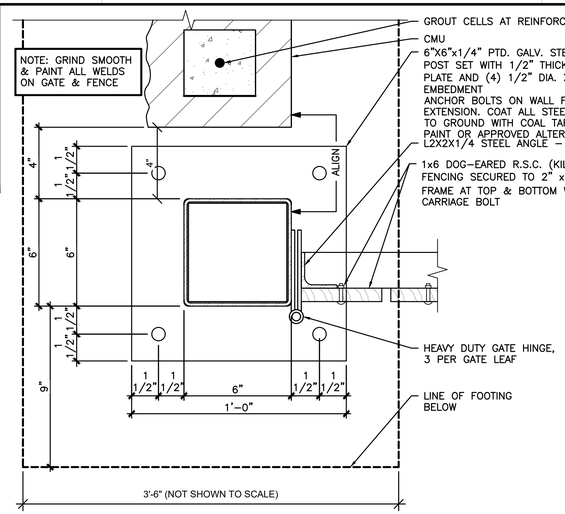
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A1.0

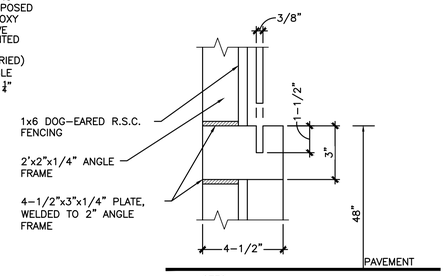
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---- - akolesar

DUMPSTER ENCLOSURE GENERAL NOTES

1. USE ASTM A36 FOR ALL ANGLES, PLATES, AND RODS.
2. USE ASTM A53, TYPE E OR S, GRADE B FOR PIPE.
3. ASTM A500, GRADE B (Fy=46 KSI) FOR TUBE STEEL.
4. FINISH FOR STEEL; TO BE PAINTED OR HOT-DIPPED GALVANIZED.
5. WOOD IS TO BE OF NUMBER TWO GRADE OR BETTER.
6. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL INFORMATION
7. REFER TO STRUCTURAL SHEETS FOR ADDITIONAL INFORMATION.

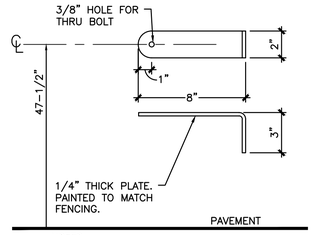


7 A1.1 GATE HINGE / POST DETAIL
SCALE: 3"=1'-0"



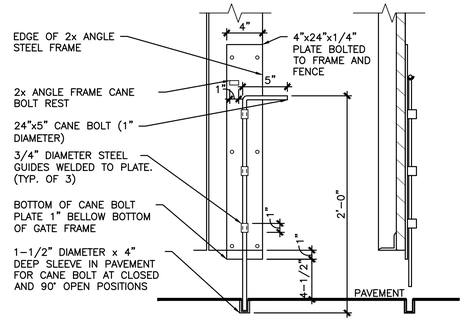
NOTES:
1. MOUNT 48" ABOVE TOP OF PAVEMENT.
2. ALIGN STOP PLATE WITH SWING LATCH.

6 A1.1 STOP PLATE DETAIL
SCALE: 3"=1'-0"

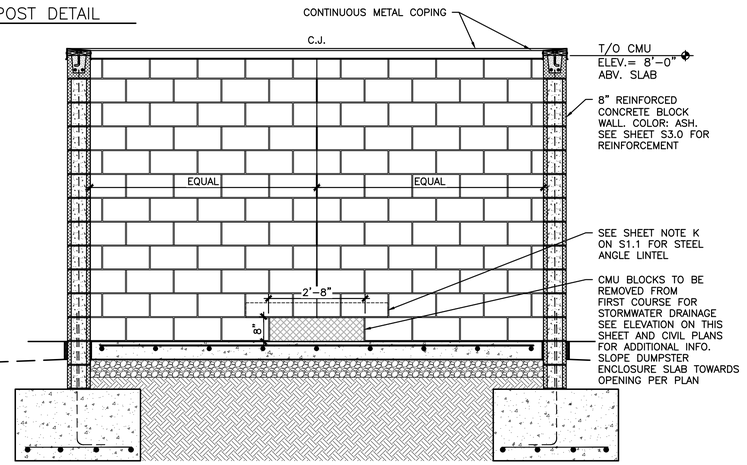


NOTES:
1. MOUNT 47-1/2" ABOVE TOP OF PAVEMENT.
2. ALIGN STOP PLATE WITH SWING LATCH.

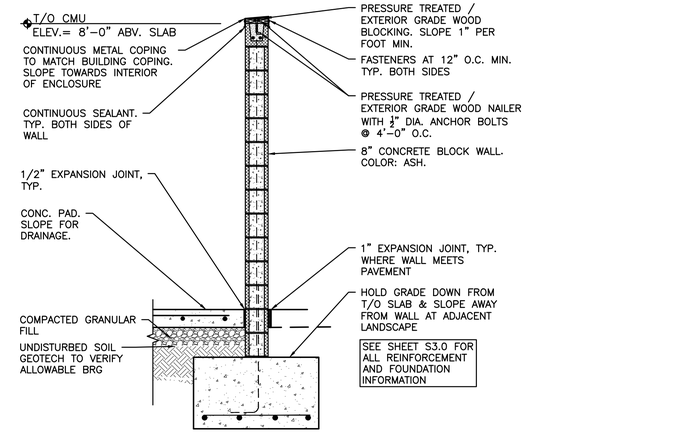
5 A1.1 SWING LATCH DETAIL
SCALE: 3"=1'-0"



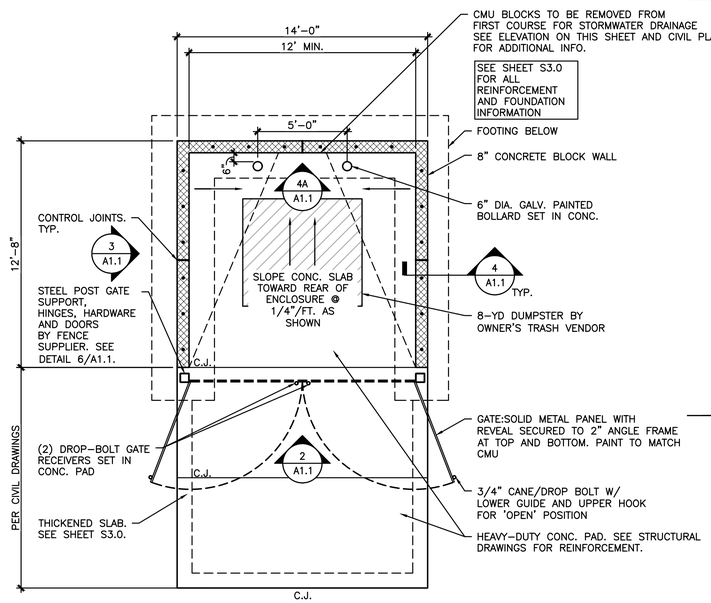
4 A1.1 CANE BOLT DETAIL
SCALE: 3"=1'-0"



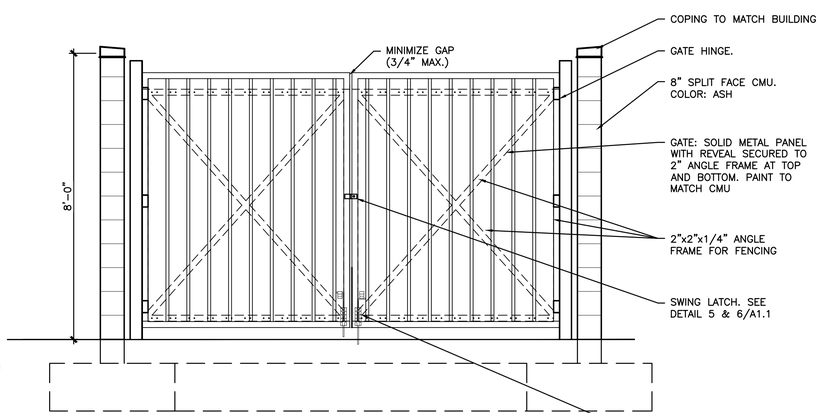
4A A1.1 SECTION
SCALE: 1/2"=1'-0"



4 A1.1 SECTION
SCALE: 1/2"=1'-0"

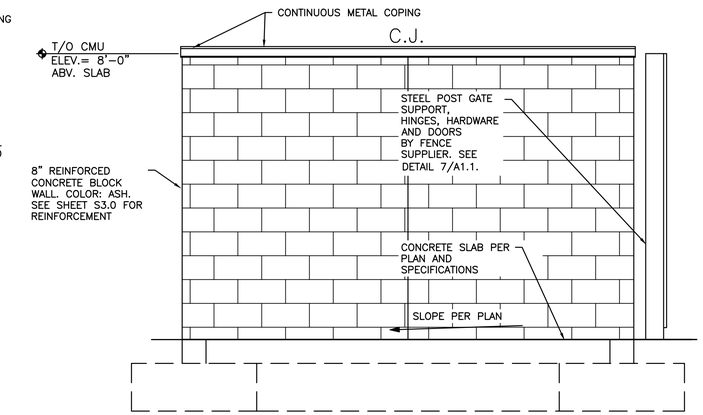


1 A1.1 DUMPSTER ENCLOSURE PLAN
SCALE: 1/4"=1'-0"



GATE POST AND BOLLARD FOUNDATIONS NOT SHOWN FOR CLARITY. SEE SHEET S3.0 FOR FOUNDATION AND REINFORCEMENT INFORMATION.

2 A1.1 DUMPSTER ENCLOSURE ELEVATION
SCALE: 1/4"=1'-0"



GATE POST AND BOLLARD FOUNDATIONS NOT SHOWN FOR CLARITY. SEE SHEET S3.0 FOR FOUNDATION AND REINFORCEMENT INFORMATION.

3 A1.1 SIDE ELEVATION
SCALE: 1/2"=1'-0"

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330.572.2100 Fax 330.572.2102

petsuites STAY & PLAY

REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER A-2004032558
ARCHITECT

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

DUMPSTER ENCLOSURE DETAILS

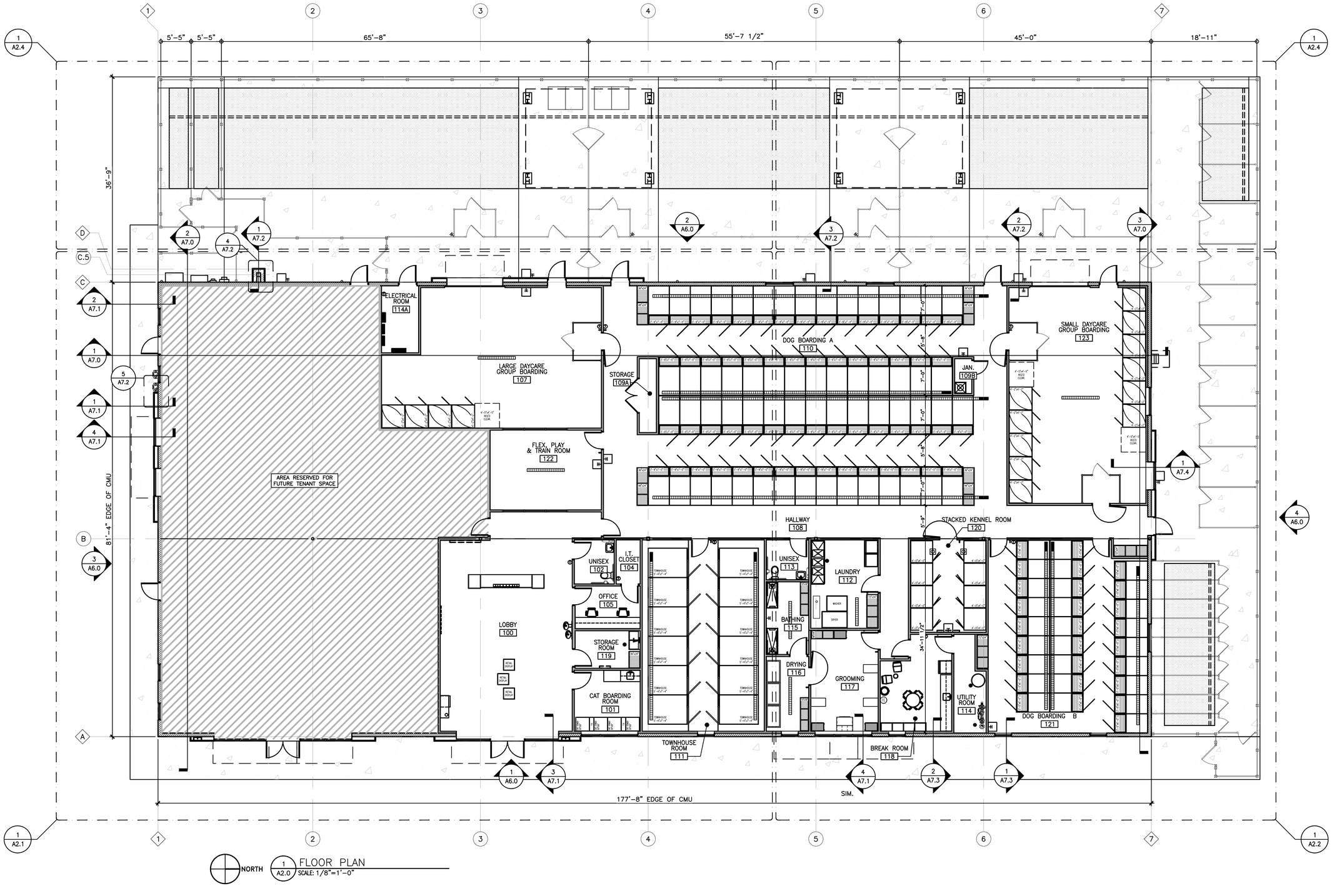
ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO. 2020155.27

A1.1

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\210_A1.1 DUMPSTER ENCLOSURE DETAILS.dwg
---- - akolesar



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FLOOR PLAN

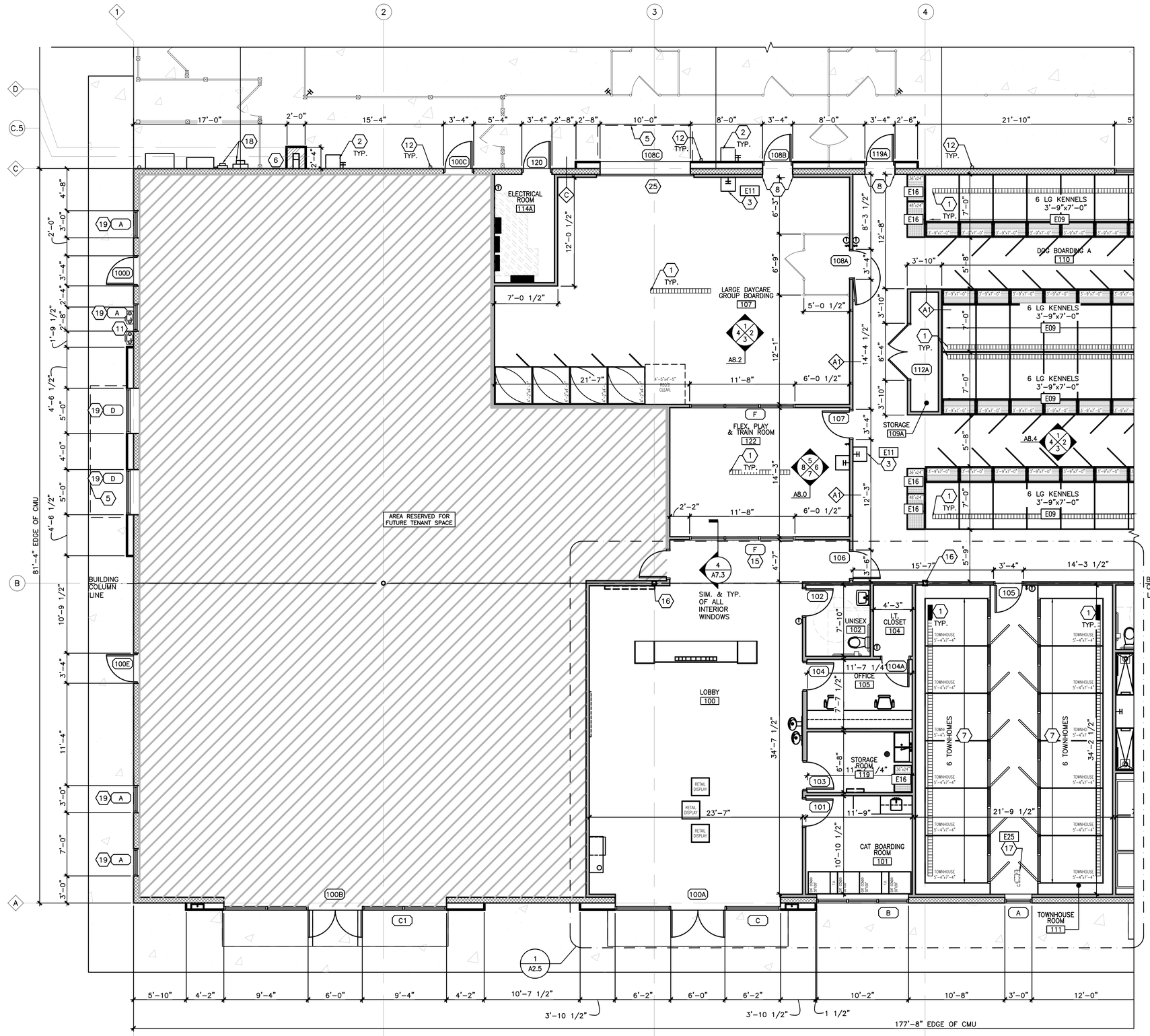
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RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

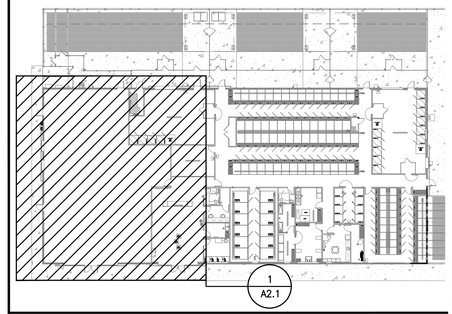
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A2.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\215_A2.0 FLOOR PLAN.dwg
---- - akolesar



KEY PLAN



GENERAL NOTES

A. FIRE EXTINGUISHERS HAVE BEEN LOCATED FOR REFERENCE ONLY. THE LOCAL FIRE DEPARTMENT MAY REQUIRE ADDITIONAL FIRE EXTINGUISHERS AT OTHER LOCATIONS. INSTALL FIRE EXTINGUISHERS IN RECESSED CABINETS OF TYPE AND QUANTITY PER N.F.P.A.
B. DIMENSIONS ON THIS PLAN ARE FACE OF FINISH, FACE OF CMU, FACE OF FOUNDATION WALL OR STRUCTURAL GRID LINE.
C. ALL DOORS TO BE LOCATED 4" FROM FACE OF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
D. ANY WALL PENETRATIONS MUST BE APPROVED BY ARCHITECT.
E. REFER TO CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
F. REFER TO SHEET A0.1 FOR EQUIPMENT SCHEDULE.

KEY NOTES (SEE A2.1 FOR UNUSED KEYNOTES)

1. MANUFACTURED TRENCH DRAIN SYSTEM W/ POLYCARBONATE GRATE, SEE SPECIFICATION.
2. EXTERIOR FREEZE PROOF, KEYLESS HOSE BIBB AT 32" ABOVE FINISH CONCRETE. RECEIVES HOSE REEL (SEE SHEET A8.6 AND EQUIPMENT SCHEDULE)
3. INTERIOR HOSE BIBB – RECEIVES HOSE REEL (SEE DETAIL SHEET A8.6 AND EQUIPMENT SCHEDULE).
4. MOP SINK. SEE PLUMBING DRAWINGS.
5. EXTENT OF METAL CANOPY OVERHANG ABOVE – SEE SECTIONS.
6. APPROXIMATE LOCATION OF IRRIGATION CONTROLS. MOUNT TO EXTERIOR WALL. FINAL LOCATION TO BE DETERMINED BY LANDSCAPE ARCHITECT / IRRIGATION CONTRACTOR. CONFIRM WITH OWNER PRIOR TO INSTALLATION.
7. TOWNHOUSE SUITE TO BE PROVIDED AND INSTALLED BY OWNER.
8. STAINLESS STEEL CORNER GUARDS. TOP INSTALLED AT 48".
9. ROOF TOP LADDER. SEE DETAIL SHEET A7.0.
10. OUTDOOR 6'-0" TALL BLACK VINYL COATED CHAIN LINK KENNELS BY GENERAL CONTRACTOR – CONCRETE TO SLOPE TOWARD GRADE.
11. GAS METER LOCATION, REFER TO PLUMBING DRAWINGS.
12. DOWNSPOUTS. SEE CIVIL PLANS & A4.0.
13. 7'-0" HIGH SOLID COMPOSITE FENCE AND GATE. TOP 3'-0" OF FENCE AND GATE TO HAVE OPEN PICKETS. REFER TO DETAIL SHEET A9.1 AND SPECIFICATIONS.
14. NOT USED.
15. APPLY REFLECTIVE FILM TO RESTRICT VIEW FROM DOG PLAY AREAS TO LOBBY OR HALLWAY. SEE WINDOW SCHEDULE. (B.O.D. CONTRAVISION REFLECTIVE / MIRRORED FILMS)
16. STEEL COLUMN WITH RECESSED BASE PLATE. REFER TO STRUCTURAL DRAWINGS.
17. RETRACTABLE HOSE – RECEIVES CEILING MOUNTED HOSE REEL. (SEE EQUIPMENT SCHEDULE AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION).
18. ELECTRIC METER AND CT CABINET, SHOWN FOR REFERENCE ONLY. COORDINATE WITH ELECTRICAL SHEETS AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
19. APPLY UV FILM NATURAL 20 TO INTERIOR SIDE OF WINDOW PER MANUFACTURERS INSTRUCTION. REFER TO SHEET A0.3 FOR VENDOR INFORMATION.
20. 7'-0" HIGH SOLID COMPOSITE FENCE. REFER TO DETAIL SHEET A9.1 AND SPECIFICATIONS.
21. 4'-0" HIGH BLACK VINYL CHAIN–LINK FENCE PET LOCK. SEE DETAIL ON SHEET A9.1 AND SPECIFICATIONS.
22. PERFORATED UNDER DRAIN TIED INTO STORM SEWER SYSTEM. REFER TO SHEET A9.0 AND CIVIL DRAWINGS FOR CONTINUATION AND ADDITIONAL INFORMATION.
23. FOREVERLAWN "K9 GRASS", ARTIFICIAL TURF, REFER TO 2/A9.0.
24. 3'–0" WIDE OPENING, 6'–0" HIGH BLACK VINYL COATED CHAIN LINK FENCE GATE. REFER TO SHEET A9.1.
25. COORDINATE STUD WALL TERMINATION WITH REQUIRED OVERHEAD DOOR HARDWARE CLEARANCES. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS.

BOARDING CALCULATION

INDOOR DOG BOARDING:

TOTAL FOLDING KENNELS (4'–2" x 4'–2"):	
LARGE DAYCARE GROUP BOARDING	2 EACH
SMALL DAYCARE GROUP BOARDING	11 EACH
FLEX PLAY & TRAIN ROOM	4 EACH
TOTAL:	17 TOTAL
TOTAL LARGE KENNELS (3'–9" x 7'–0"):	
DOG BOARDING A	51 EACH
TOTAL:	51 TOTAL
TOTAL MEDIUM KENNELS (3'–5" x 6'–0"):	
DOG BOARDING B	36 EACH
TOTAL:	36 TOTAL
TOTAL STACKED KENNELS (4'–0" x 4'–0"):	
STACKED KENNEL ROOM	16 EACH
TOTAL:	16 TOTAL
TOTAL TOWNHOMES:	
TOWNHOUSE ROOM (5'–4" x 7'–4")	12 EACH
TOTAL:	12 TOTAL

OUTDOOR DOG HOLDING:

SMALL OUTDOOR KENNEL (3'–0" X 4'–0")	4 EACH
LARGE OUTDOOR KENNEL (SEE PLAN)	12 EACH
TOTAL OUTDOOR DOG BOARDING	16 TOTAL

CAT BOARDING

CAT CONDOS	10 EACH
TOTAL CAT BOARDING:	10 TOTAL

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Mark S. Salopek – Architect
A-2004032558

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ARCHITECT
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

ENLARGED PARTIAL FLOOR PLAN

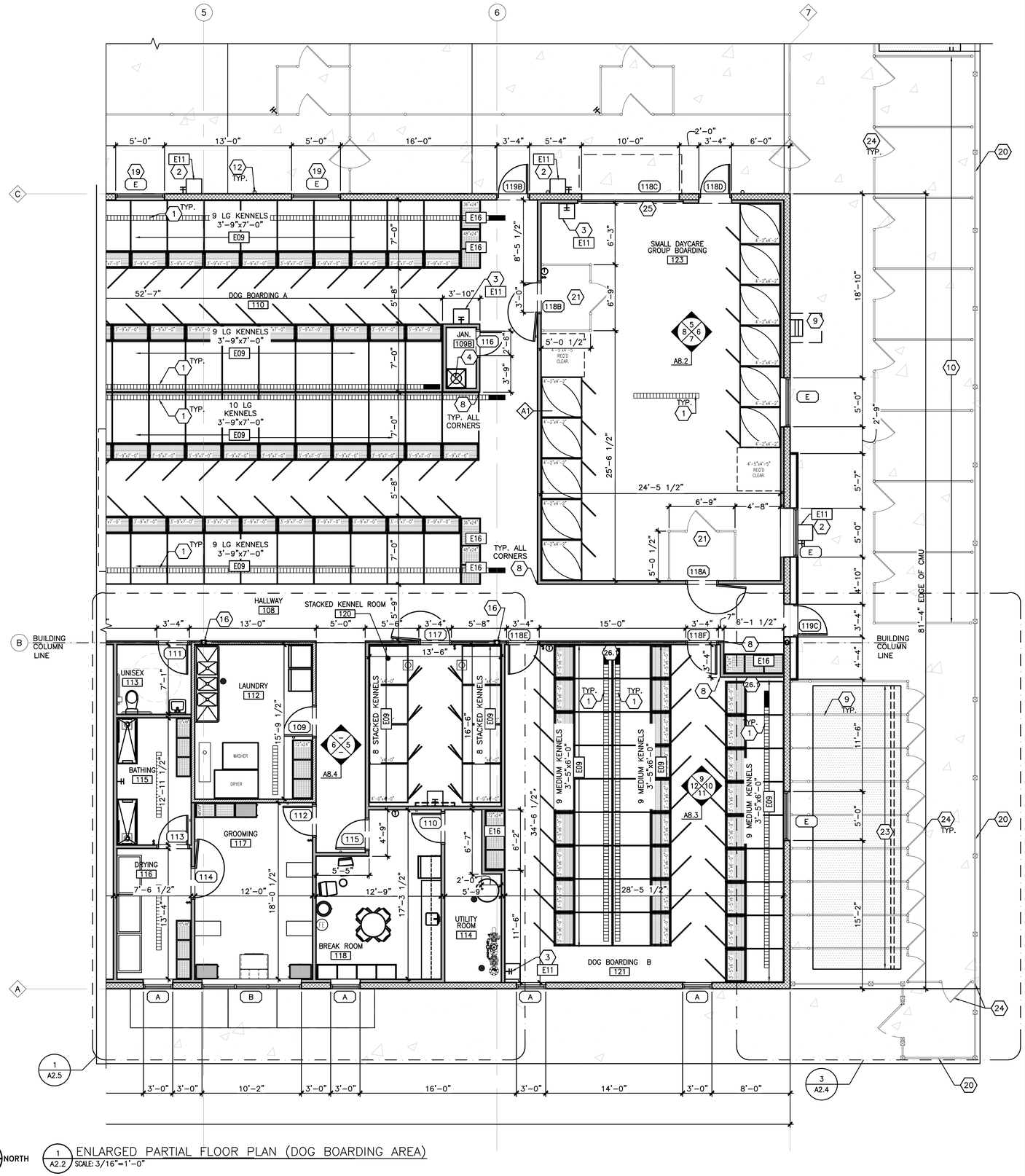
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BID	01.29.21
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PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO.
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A2.1

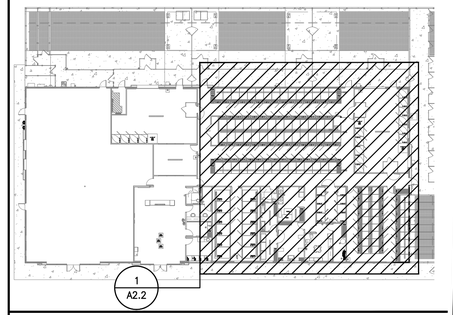
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---- - akoltesar



NORTH

1 / A2.2 ENLARGED PARTIAL FLOOR PLAN (DOG BOARDING AREA)
SCALE: 3/16"=1'-0"

KEY PLAN



1 / A2.2

GENERAL NOTES

A. FIRE EXTINGUISHERS HAVE BEEN LOCATED FOR REFERENCE ONLY. THE LOCAL FIRE DEPARTMENT MAY REQUIRE ADDITIONAL FIRE EXTINGUISHERS AT OTHER LOCATIONS. INSTALL FIRE EXTINGUISHERS IN RECESSED CABINETS OF TYPE AND QUANTITY PER N.F.P.A.
B. DIMENSIONS ON THIS PLAN ARE FACE OF FINISH, FACE OF CMU, FACE OF FOUNDATION WALL OR STRUCTURAL GRID LINE.
C. ALL DOORS TO BE LOCATED 4" FROM FACE OF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
D. ANY WALL PENETRATIONS MUST BE APPROVED BY ARCHITECT.
E. REFER TO CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
F. REFER TO SHEET A0.1 FOR EQUIPMENT SCHEDULE.

KEY NOTES (SEE A2.1 FOR UNUSED KEYNOTES)

1. MANUFACTURED TRENCH DRAIN SYSTEM W/ POLYCARBONATE GRATE, SEE SPECIFICATION.
2. EXTERIOR FREEZE PROOF, KEYLESS HOSE BIBB AT 32" ABOVE FINISH CONCRETE. RECEIVES HOSE REEL (SEE SHEET A8.6 AND EQUIPMENT SCHEDULE)
3. INTERIOR HOSE BIBB – RECEIVES HOSE REEL (SEE DETAIL SHEET A8.6 AND EQUIPMENT SCHEDULE).
4. MOP SINK. SEE PLUMBING DRAWINGS.
5. EXTENT OF METAL CANOPY OVERHANG ABOVE – SEE SECTIONS.
6. APPROXIMATE LOCATION OF IRRIGATION CONTROLS. MOUNT TO EXTERIOR WALL. FINAL LOCATION TO BE DETERMINED BY LANDSCAPE ARCHITECT / IRRIGATION CONTRACTOR. CONFIRM WITH OWNER PRIOR TO INSTALLATION.
7. TOWNHOUSE SUITE TO BE PROVIDED AND INSTALLED BY OWNER.
8. STAINLESS STEEL CORNER GUARDS. TOP INSTALLED AT 48".
9. ROOF TOP LADDER. SEE DETAIL SHEET A7.0.
10. OUTDOOR 6'-0" TALL BLACK VINYL COATED CHAIN LINK KENNELS BY GENERAL CONTRACTOR – CONCRETE TO SLOPE TOWARD GRADE.
11. GAS METER LOCATION, REFER TO PLUMBING DRAWINGS.
12. DOWNSPOUTS. SEE CIVIL PLANS & A4.0.
13. 7'-0" HIGH SOLID COMPOSITE FENCE AND GATE. TOP 3'-0" OF FENCE AND GATE TO HAVE OPEN PICKETS. REFER TO DETAIL SHEET A9.1 AND SPECIFICATIONS.
14. NOT USED.
15. APPLY REFLECTIVE FILM TO RESTRICT VIEW FROM DOG PLAY AREAS TO LOBBY OR HALLWAY. SEE WINDOW SCHEDULE. (B.O.D. CONTRAVISION REFLECTIVE / MIRRORED FILMS)
16. STEEL COLUMN WITH RECESSED BASE PLATE. REFER TO STRUCTURAL DRAWINGS.
17. RETRACTABLE HOSE – RECEIVES CEILING MOUNTED HOSE REEL. (SEE EQUIPMENT SCHEDULE AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION).
18. ELECTRIC METER AND CT CABINET, SHOWN FOR REFERENCE ONLY. COORDINATE WITH ELECTRICAL SHEETS AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
19. APPLY UV FILM NATURAL 20 TO INTERIOR SIDE OF WINDOW PER MANUFACTURERS INSTRUCTION. REFER TO SHEET A0.3 FOR VENDOR INFORMATION.
20. 7'-0" HIGH SOLID COMPOSITE FENCE. REFER TO DETAIL SHEET A9.1 AND SPECIFICATIONS.
21. 4'-0" HIGH BLACK VINYL CHAIN-LINK FENCE PET LOCK. SEE DETAIL ON SHEET A9.1 AND SPECIFICATIONS.
22. PERFORATED UNDER DRAIN TIED INTO STORM SEWER SYSTEM. REFER TO SHEET A9.0 AND CIVIL DRAWINGS FOR CONTINUATION AND ADDITIONAL INFORMATION.
23. FOREVERLAWN "K9 GRASS", ARTIFICIAL TURF, REFER TO 2/A9.0.
24. 3'-0" WIDE OPENING, 6'-0" HIGH BLACK VINYL COATED CHAIN LINK FENCE GATE. REFER TO SHEET A9.1.
25. COORDINATE STUD WALL TERMINATION WITH REQUIRED OVERHEAD DOOR HARDWARE CLEARANCES. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS.

BOARDING CALCULATION

INDOOR DOG BOARDING:

TOTAL FOLDING KENNELS (4'-2" x 4'-2"):	
LARGE DAYCARE GROUP BOARDING	2 EACH
SMALL DAYCARE GROUP BOARDING	11 EACH
FLEX PLAY & TRAIN ROOM	4 EACH
TOTAL:	17 TOTAL
TOTAL LARGE KENNELS (3'-9" x 7'-0"):	
DOG BOARDING A	51 EACH
TOTAL:	51 TOTAL
TOTAL MEDIUM KENNELS (3'-5" x 6'-0"):	
DOG BOARDING B	36 EACH
TOTAL:	36 TOTAL
TOTAL STACKED KENNELS (4'-0" x 4'-0"):	
STACKED KENNEL ROOM	16 EACH
TOTAL:	16 TOTAL
TOTAL TOWNHOMES:	
TOWNHOUSE ROOM (5'-4" x 7'-4")	12 EACH
TOTAL:	12 TOTAL

OUTDOOR DOG HOLDING:

SMALL OUTDOOR KENNEL (3'-0" X 4'-0")	4 EACH
LARGE OUTDOOR KENNEL (SEE PLAN)	12 EACH
TOTAL OUTDOOR DOG BOARDING	16 TOTAL

CAT BOARDING

CAT CONDOS	10 EACH
TOTAL CAT BOARDING:	10 TOTAL

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ENLARGED PARTIAL FLOOR PLAN

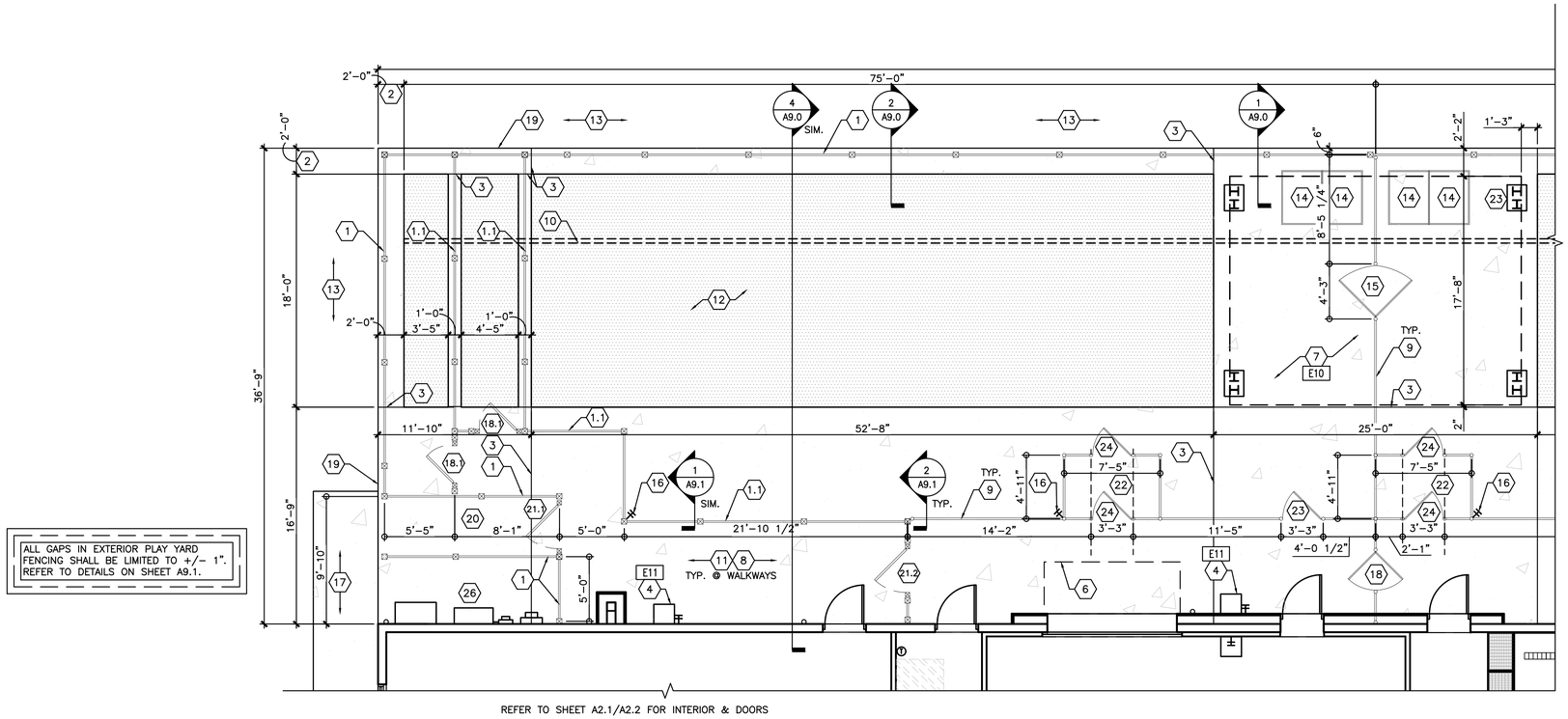
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RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO. 2020155.27

A2.2

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\220_A2.1-A2.2 ENLARGED PARTIAL FLOOR PLAN.dwg
---- akoltesar

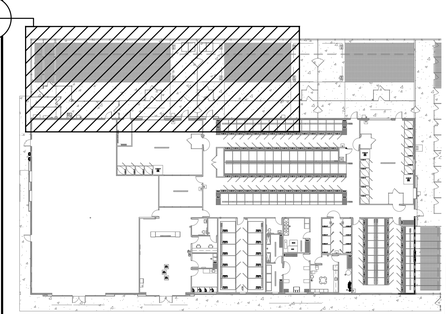


1 A2.3 ENLARGED PARTIAL FLOOR PLAN – OUTDOOR PLAY AREA (PART. A)
SCALE: 3/16"=1'-0"

NORTH

KEY PLAN

1 A2.3



GENERAL NOTES

A. FIRE EXTINGUISHER HAVE BEEN LOCATED FOR REFERENCE ONLY THE LOCAL FIRE DEPARTMENT MAY REQUIRE ADDITIONAL FIRE EXTINGUISHERS AT OTHER LOCATIONS – INSTALL FIRE EXTINGUISHERS TYPE AND QUANTITY PER N.F.P.A.
B. ALL DIMENSIONS ARE MEASURED FROM FACE OF STUD, FACE OF CMU AND/OR FACE OF FOUNDATION WALL.
C. ALL DOORS TO BE LOCATED 4" FROM FACE OF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
D. INSTALL FIRE RETARDANT TREATED WOOD BLOCKING AT ALL CABINET, COUNTERS, TOILET ROOM ACCESSORIES AND SHELVING LOCATIONS.
E. ONLY COMMERCIAL GRADE FENCING TO BE USED.
F. COORDINATE AREAS OF FENCING TO BE REMOVABLE WITH LOCAL ELECTRIC UTILITY.
G. GAPS IN PLAY YARD FENCING AND GATES SHALL NOT EXCEED 1". ADD ADDITIONAL BARS AS REQUIRED.

KEY NOTES (SEE SHEET A2.4 FOR UNUSED KEYNOTES)

1. 7'–0" HIGH PRIVACY FENCE. REFER TO SHEET A9.1 AND SPECIFICATIONS.
1.1. 6'–0" HIGH PRIVACY FENCE. REFER TO SHEET A9.1 AND SPECIFICATIONS FOR SIMILAR DETAILS.
2. 24" WIDE SMOOTH FINISH CONCRETE SLAB, 4" THICK ON COMPACTED 6" GRAVEL BASE, CORE DRILL FOR FENCE POST, MIN 30" BELOW GRADE, EPOXY FILL, COORDINATE WITH K&K FENCE AND ARCHITECT.
3. SAW–CUT CONTROL JOINT, APPROXIMATE LOCATION, MAINTAIN MINIMUM 12" FROM ALL FENCE POSTS, FILL CONTROL AND CONSTRUCTION JOINTS IN OUTSIDE PLAY AREAS WITH A SELF LEVELING URETHANE/ELASTOMETIC SEALANT. INSTALL PER MANUFACTURES RECOMMENDATIONS. ACCEPTABLE PRODUCTS INCLUDE SIKAFEX – 1c SL. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL CONTROL JOINT INFORMATION.
4. EXTERIOR FREEZE PROOF, KEYLESS HOSE BIBB AT 32" ABOVE FINISH CONCRETE. RECEIVES HOSE REEL (SEE SHEET A8.6 AND EQUIPMENT SCHEDULE)
5. OUTDOOR 6'–0" TALL BLACK VINYL COATED CHAIN LINK KENNELS BY GENERAL CONTRACTOR – CONCRETE TO SLOPE TOWARD GRADE.
6. LINE OF CANOPY ABOVE. REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION.
7. SHADE STRUCTURE. SEE EQUIPMENT SCHEDULE AND DETAILS ON SHEET A2.4 & A9.1
8. TROWEL AND LIGHT HAIR BROOM FINISHED CONCRETE. SEE SPECIFICATION.
9. 6'–0" HIGH BLACK VINYL COATED CHAIN LINK FENCE BY GENERAL CONTRACTOR, REFER TO SHEET A9.1.
10. PERFORATED UNDER DRAIN TIED INTO STORM SEWER SYSTEM. REFER TO SHEET A9.0 AND CIVIL DRAWINGS FOR CONTINUATION AND ADDITIONAL INFORMATION.
11. 4" CONCRETE SLAB ON 6" OF COMPACTED GRAVEL ON UNDISTURBED SOIL, SEE SITE SPECIFIC GEOTECH REPORT, SLAB PLAN ON SHEET A5.0, AND STRUCTURAL DRAWINGS.
12. FOREVERLAWN "K9 GRASS", ARTIFICIAL TURF, REFER TO 2/A9.0.
13. REFER TO CIVIL DRAWINGS FOR ALL OTHER SITE IMPROVEMENTS.
14. OUTDOOR KENNELS BY SHORLINE, (4) TOTAL 3' X 6'.
15. 4'–0" WIDE, 6'–0" TALL BLACK VINYL COATED CHAIN LINK GATE. SEE SHEET A9.1.
16. STUB UP HOSE BIBB (USE KEYLESS AND FREEZE PROOF BIBB AT EXTERIOR LOCATIONS). SEE PLUMBING DRAWINGS FOR DETAIL.
17. SIDEWALK, REFER TO CIVIL DRAWINGS AND SITE SPECIFIC GEOTECH REPORT.
18. 3'–0" WIDE, 6'–0" HIGH BLACK VINYL COATED CHAIN LINK FENCE GATE. CENTER IN WALKWAY. REFER TO SHEET A9.1.
18.1. 3'–0" WIDE, 6'–0" SOLID COMPOSITE FENCE AND GATE. PROVIDE OPEN PICKETS IN GATE. REFER TO SHEET A9.1 FOR SIMILAR DETAIL.
19. EDGE OF SLAB.
20. OUTDOOR PET DROP OFF AREA.
21. 7'–0" HIGH SOLID COMPOSITE FENCE AND GATE. TOP 3'–0" OF FENCE AND GATE TO HAVE OPEN PICKETS. REFER TO SHEET A9.1 AND SPECIFICATIONS.
21.1. 7'–0" HIGH SOLID COMPOSITE FENCE AND GATE. TOP 3'–0" OF FENCE AND GATE TO HAVE OPEN PICKETS. REFER TO SIMILAR DETAIL ON SHEET A9.1, SPECIFICATIONS, AND SHEET A6.0.
21.2. 6'–0" HIGH SOLID COMPOSITE FENCE AND GATE. TOP 3'–0" OF FENCE AND GATE TO HAVE OPEN PICKETS. REFER TO SHEET A9.1 AND SPECIFICATIONS FOR SIMILAR DETAILS.
22. 6'–0" HIGH BLACK VINYL COATED CHAIN–LINK FENCE "PET LOCK" AREAS. ALL CHAIN–LINK FENCING AND GATES BY G.C.
23. APPROXIMATE LOCATION OF CONDUIT PENETRATION FOR SHADE STRUCTURE LIGHTING. HOLD CONDUIT TIGHT TO PEMB STRUCTURE. COORDINATE REQUIREMENTS AND ROUTING WITH SHEET E1.0.
24. 3'–0" WIDE OPENING, 6'–0" HIGH BLACK VINYL COATED CHAIN LINK FENCE GATE. REFER TO SHEET A9.1.
25. SHOR–LINE PROVIDED DOG TRANSFER DOOR.
26. ELECTRICAL SERVICE EQUIPMENT. REFER TO ELECTRICAL AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION. MAINTAIN ALL REQURIED UTILITY COMPANY CLEARANCES.

GPD GROUP
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330.572.2100 Fax 330.572.2102

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REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER
A-2004032558
ARCHITECT
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

ENLARGED PARTIAL FLOOR PLAN - OUTDOOR PLAY AREA (PART A)

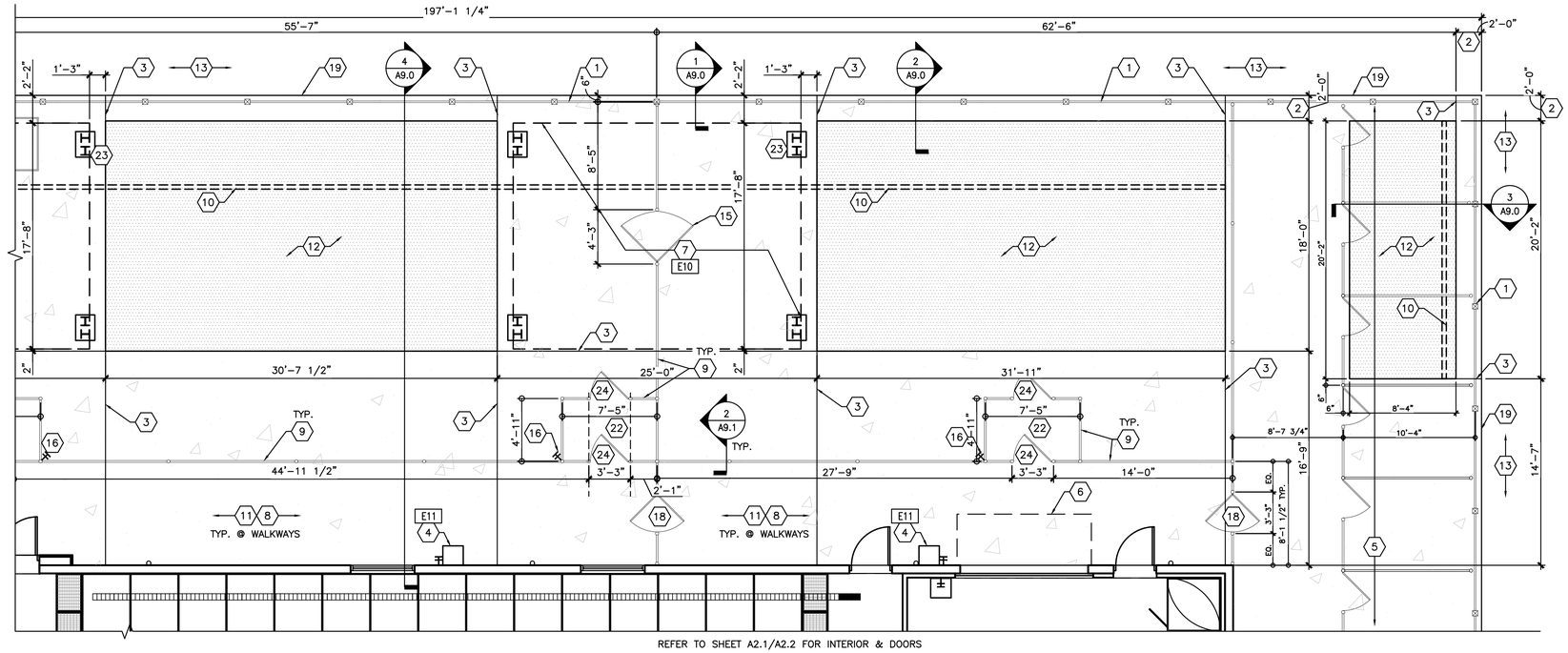
ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO.
2020155.27

A2.3

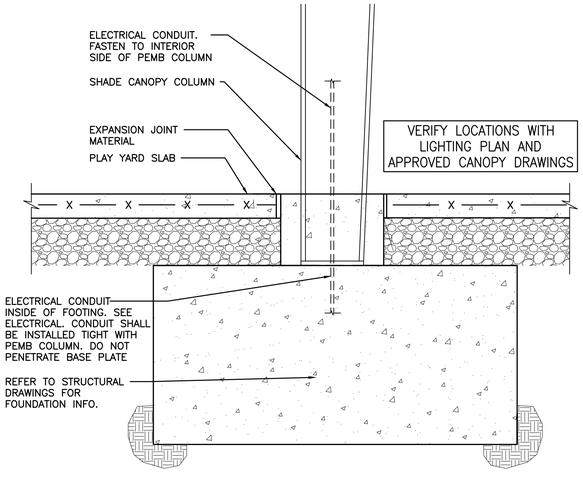
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--- akoblesar



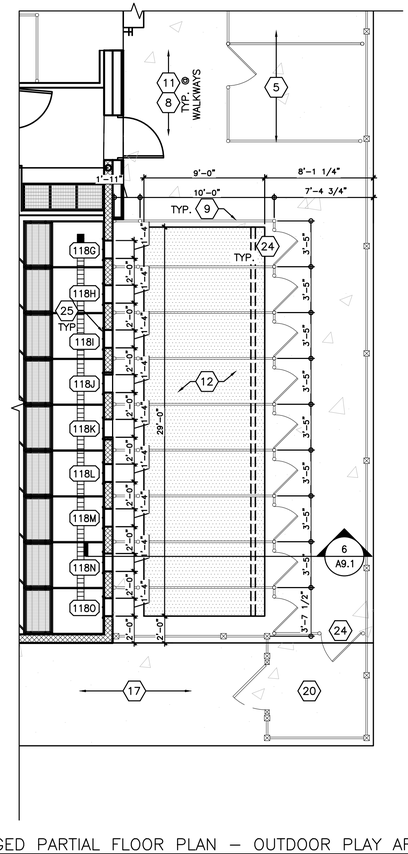
NORTH

1 A2.4 ENLARGED PARTIAL FLOOR PLAN – OUTDOOR PLAY AREA (PART B)
SCALE: 3/16"=1'-0"

ALL GAPS IN EXTERIOR PLAY YARD FENCING SHALL BE LIMITED TO +/– 1". REFER TO DETAILS ON SHEET A9.1.



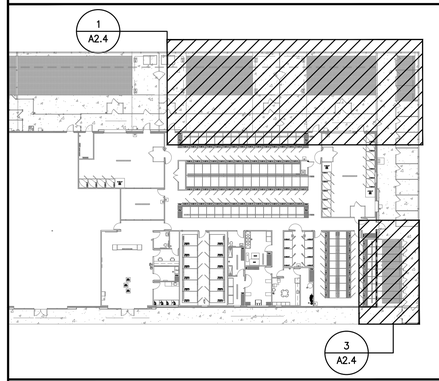
2 A2.4 SHADE STRUCTURE FOUNDATION DETAIL – ELECTRCIAL ROUTING
SCALE: 1"=1'-0"



NORTH

3 A2.4 ENLARGED PARTIAL FLOOR PLAN – OUTDOOR PLAY AREA (PART C)
SCALE: 3/16"=1'-0"

KEY PLAN



GENERAL NOTES

A. FIRE EXTINGUISHER HAVE BEEN LOCATED FOR REFERENCE ONLY THE LOCAL FIRE DEPARTMENT MAY REQUIRE ADDITIONAL FIRE EXTINGUISHERS AT OTHER LOCATIONS – INSTALL FIRE EXTINGUISHERS TYPE AND QUANTITY PER N.F.P.A.
B. ALL DIMENSIONS ARE MEASURED FROM FACE OF STUD, FACE OF CMU AND/OR FACE OF FOUNDATION WALL.
C. ALL DOORS TO BE LOCATED 4" FROM FACE OF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
D. INSTALL FIRE RETARDANT TREATED WOOD BLOCKING AT ALL CABINET, COUNTERS, TOILET ROOM ACCESSORIES AND SHELVING LOCATIONS.
E. ONLY COMMERCIAL GRADE FENCING TO BE USED.
F. COORDINATE AREAS OF FENCING TO BE REMOVABLE WITH LOCAL ELECTRIC UTILITY.
G. GAPS IN PLAY YARD FENCING AND GATES SHALL NOT EXCEED 1". ADD ADDITIONAL BARS AS REQUIRED. SEE FENCE DETAILS SHEET A9.1.

KEY NOTES (SEE SHEET A2.4 FOR UNUSED KEYNOTES)

1. 7'–0" HIGH PRIVACY FENCE. REFER TO SHEET A9.1 AND SPECIFICATIONS.
1.1. 6'–0" HIGH PRIVACY FENCE. REFER TO SHEET A9.1 AND SPECIFICATIONS FOR SIMILAR DETAILS.
2. 24" WIDE SMOOTH FINISH CONCRETE SLAB, 4" THICK ON COMPACTED 6" GRAVEL BASE, CORE DRILL FOR FENCE POST, MIN 30" BELOW GRADE, EPOXY FILL, COORDINATE WITH K&K FENCE AND ARCHITECT.
3. SAW–CUT CONTROL JOINT, APPROXIMATE LOCATION, MAINTAIN MINIMUM 12" FROM ALL FENCE POSTS, FILL CONTROL AND CONSTRUCTION JOINTS IN OUTSIDE PLAY AREAS WITH A SELF LEVELING URETHANE/ELASTOMETIC SEALANT. INSTALL PER MANUFACTURES RECOMMENDATIONS. ACCEPTABLE PRODUCTS INCLUDE SIKAFEX – 1c SL. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL CONTROL JOINT INFORMATION.
4. EXTERIOR FREEZE PROOF, KEYLESS HOSE BIBB AT 32" ABOVE FINISH CONCRETE. RECEIVES HOSE REEL (SEE SHEET A8.6 AND EQUIPMENT SCHEDULE)
5. OUTDOOR 6'–0" TALL BLACK VINYL COATED CHAIN LINK KENNELS BY GENERAL CONTRACTOR – CONCRETE TO SLOPE TOWARD GRADE.
6. LINE OF CANOPY ABOVE. REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION.
7. SHADE STRUCTURE. SEE EQUIPMENT SCHEDULE AND DETAILS ON SHEET A2.4 & A9.1
8. TROWEL AND LIGHT HAIR BROOM FINISHED CONCRETE. SEE SPECIFICATION.
9. 6'–0" HIGH BLACK VINYL COATED CHAIN LINK FENCE BY GENERAL CONTRACTOR. REFER TO SHEET A9.1.
10. PERFORATED UNDER DRAIN TIED INTO STORM SEWER SYSTEM. REFER TO SHEET A9.0 AND CIVIL DRAWINGS FOR CONTINUATION AND ADDITIONAL INFORMATION.
11. 4" CONCRETE SLAB ON 6" OF COMPACTED GRAVEL ON UNDISTURBED SOIL, SEE SITE SPECIFIC GEOTECH REPORT, SLAB PLAN ON SHEET A5.0, AND STRUCTURAL DRAWINGS.
12. FOREVERLAWN "K9 GRASS", ARTIFICIAL TURF, REFER TO 2/A9.0.
13. REFER TO CIVIL DRAWINGS FOR ALL OTHER SITE IMPROVEMENTS.
14. OUTDOOR KENNELS BY SHORLINE, (4) TOTAL 3' X 6'.
15. 4'–0" WIDE, 6'–0" TALL BLACK VINYL COATED CHAIN LINK GATE. SEE SHEET A9.1.
16. STUB UP HOSE BIBB (USE KEYLESS AND FREEZE PROOF BIBB AT EXTERIOR LOCATIONS). SEE PLUMBING DRAWINGS FOR DETAIL.
17. SIDEWALK, REFER TO CIVIL DRAWINGS AND SITE SPECIFIC GEOTECH REPORT.
18. 3'–0" WIDE, 6'–0" HIGH BLACK VINYL COATED CHAIN LINK FENCE GATE. CENTER IN WALKWAY. REFER TO SHEET A9.1.
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22. 6'–0" HIGH BLACK VINYL COATED CHAIN–LINK FENCE "PET LOCK" AREAS. ALL CHAIN–LINK FENCING AND GATES BY G.C.
23. APPROXIMATE LOCATION OF CONDUIT PENETRATION FOR SHADE STRUCTURE LIGHTING. HOLD CONDUIT TIGHT TO PEMB STRUCTURE. COORDINATE REQUIREMENTS AND ROUTING WITH SHEET E1.0.
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25. SHOR–LINE PROVIDED DOG TRANSFER DOOR.
26. ELECTRICAL SERVICE EQUIPMENT. REFER TO ELECTRICAL AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION. MAINTAIN ALL REQURIED UTILITY COMPANY CLEARANCES.

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REV.	DATE	DESCRIPTION
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-	01.29.21	95% CLIENT REVIEW SET

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER
A-2004032558
ARCHITECT
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

ENLARGED PARTIAL FLOOR PLAN & DETAILS - OUTDOOR PLAY AREA (PART B)

ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO.
2020155.27

A2.4

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\230_A2.3-A2.4 ENLARGED PARTIAL FLOOR PLAN - OUTDOOR PLAY AREA.dwg
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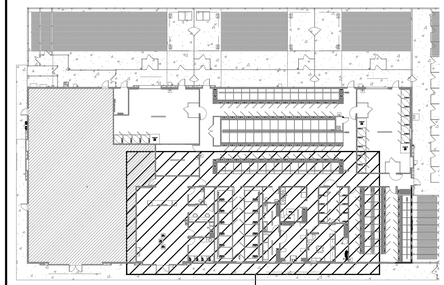
GENERAL NOTES

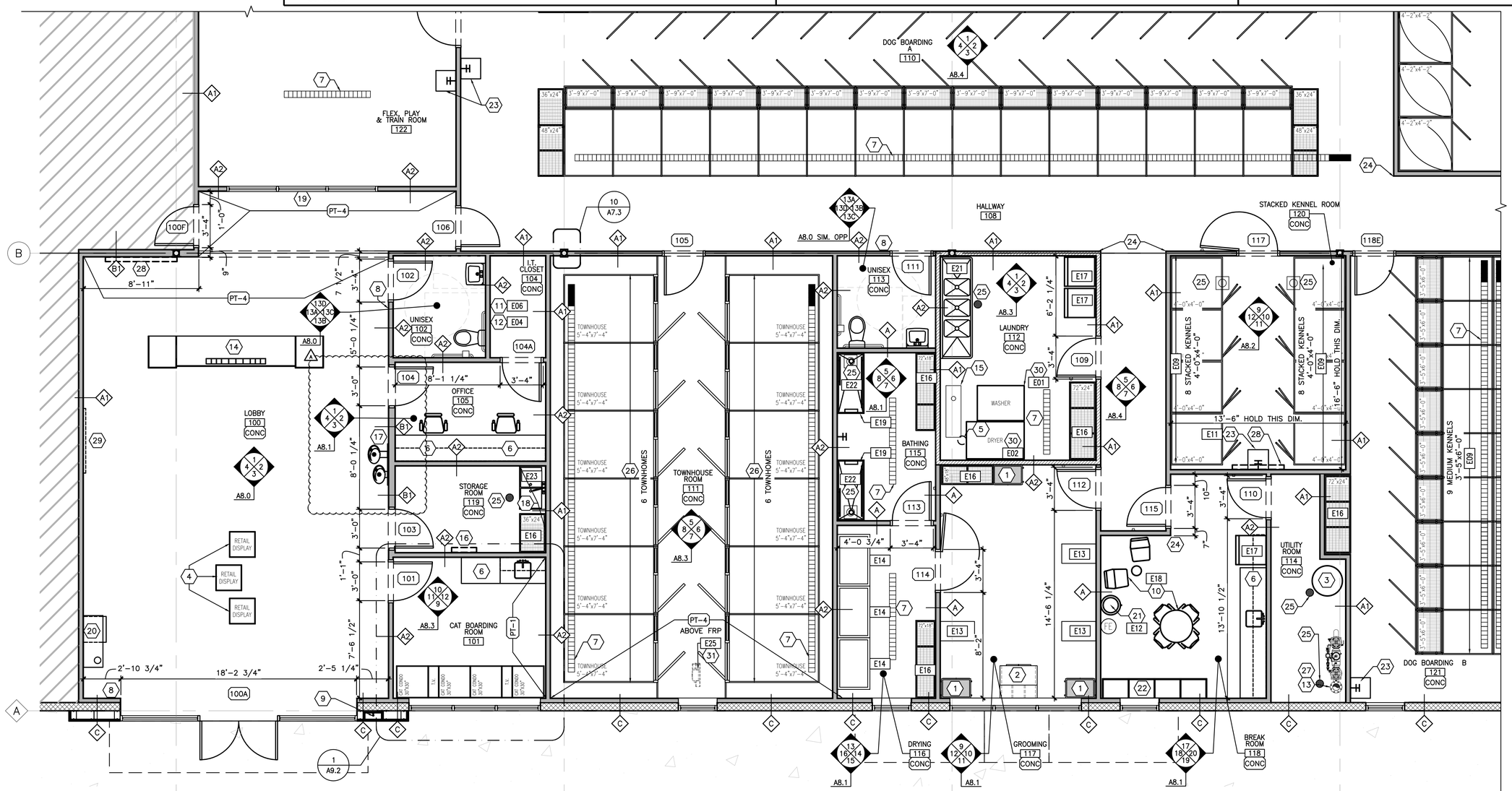
A. DO NOT SCALE DRAWINGS.
B. REFER TO OVERALL FLOOR PLAN FOR DOOR AND WINDOW DESIGNATIONS.
C. REFER TO INTERIOR ELEVATIONS FOR RESTROOM ACCESSORIES AND FIXTURE LOCATIONS.
D. WALL FINISHES NOTED ON PLANS ARE TO CLARIFY EXTENTS. REFER TO FINISH LEGEND FOR ALL FINISHES ON SHEET A10.1.
E. REFER TO SHEET A10.1 FOR WALL TYPES.
F. REFER TO SHEET A5.0 FOR DOG PRINT LOCATIONS.
C. ALL DOORS TO BE LOCATED 4" FROM FACE OF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.

KEY NOTES

1. OWNER PROVIDED GROOMING CART.
2. OWNER PROVIDED GROOMING DESK.
3. WATER HEATER, REFER TO PLUMBING DRAWINGS.
4. RETAIL DISPLAY BY OWNER.
5. COMMERCIAL DRYER VENT, PLUMB VERTICAL THROUGH ROOF.
6. CASEWORK / MILLWORK BY G.C. – SEE SHEET A8.5. COORDINATE BLOCKING REQUIREMENTS WITH SITE SPECIFIC SHOP DRAWINGS.
7. PRE–MANUF. TRENCH DRAIN SYSTEM W/ POLYCARBONATE GRATE. SEE SPECIFICATIONS. REFER TO SLAB PLAN, A5.0 FOR DESIRED LOCATIONS.
8. ADA SIGNAGE: "EXIT", "HC UNISEX RESTROOM", MOUNTED 60" TO CENTERLINE A.F.F. AT LOCATIONS INDICATED ON SHEET A0.4 AND ON ENLARGED PLAN BELOW.
9. WALL HYDRANT. REFER TO PLUMBING.
10. FURNITURE BY OWNER.
11. TELEPHONE AND SECURITY BOARD ABOVE.
12. SOUND SYSTEM SHELF AT 36" A.F.F. COORDINATE WITH OWNER APPROVED VENDOR.
13. BACKFLOW PREVENTER. REFER TO PLUMBING DRAWINGS.
14. RECEPTION DESK – SEE DETAILS ON SHEET A8.6. DESK TO BE OWNER SUPPLIED AND G.C. INSTALLED.
15. DRAIN TROUGH WITH LINT TRAP ON CONC. SLAB TO RECEIVE WASHER DRAINAGE. SEE PLUMBING DRAWINGS.
16. INVERTER FOR CANOPY FIXTURES. MOUNT AT 48" A.F.F. REFER TO ELECTRICAL DRAWINGS
17. DUEL LEVEL ADA COMPLIANT WATER FOUNTAIN. PROVIDE CANE APRON ON HIGH UNIT WHEN REQUIRED BY LOCAL JURISDICTION / ACCESSIBILITY CODE. SEE PLUMBING
18. FRP OVER MOISTURE RESISTANT GYP. FROM FLOOR TO CEILING ON INDICATED WALLS
19. APPLY REFLECTIVE FILM TO RESTRICT VIEW FROM DOG PLAY AREAS (B.O.D. CONTRAVISION REFLECTIVE / MIRRORED FILMS) TO LOBBY OR HALLWAY. SEE WINDOW SCHEDULE.
20. OWNER SUPPLIED MINI–REFRIGERATOR AND LOBBY HOSPITALITY CABINET. REFER TO SHEET A8.5.
21. OWNER SUPPLIED WATER COOLER.
22. G.C. SUPPLIED LOCKERS – SEE INTERIOR ELEVATIONS.
23. INTERIOR HOSE BIBB – RECEIVES HOSE REEL (SEE DETAIL SHEET A8.6 AND EQUIPMENT SCHEDULE).
24. STAINLESS STEEL CORNER GUARDS. TOP INSTALLED AT 48".
25. FLOOR DRAIN / FLOOR SINK. SEE PLUMBING DRAWINGS.
26. TOWNHOUSE SUITE TO BE PROVIDED BY OWNER.
27. FIRE RISER. REFER TO SHEET FP2.0.
28. TV LOCATION ABOVE. PROVIDE BLOCKING IN WALL FOR MOUNTING ATTACHMENT. SEE INTERIOR ELEVATIONS AND ELECTRICAL DRAWINGS.
29. LOCATION OF OWNER PROVIDED SLAT BOARD. COORDINATE FINAL LOCATION WITH OWNER. PROVIDE CONT. 5/8" FIRE RETARDANT PLYWOOD INSIDE WALL FOR ATTACHMENT
30. WASHER AND DRYER TO BE INSTALLED WITH OWNER PROVIDED PEDESTALS.
31. RETRACTABLE HOSE – RECEIVES CEILING MOUNTED HOSE REEL. (SEE EQUIPMENT SCHEDULE).

KEY PLAN





GPD GROUP
Professional Corporation,
A-20140411131,E-20140413S5,LA-2014040814
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Akron, OH 44311
330.572.2100 Fax 330.572.2102

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REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET
A	XX.XX.21	ADDENDUM 1

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER
A-2004032558
ARCHITECT

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

ENLARGED FLOOR PLANS

ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO.
2020155.27

A2.5

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\235_A2.5 ENLARGED FLOOR PLANS.dwg
---- - akolesar

REFLECTED CEILING PLAN LEGEND

REFER TO ELECTRICAL DRAWINGS FOR FIXTURE SPECIFICATIONS

SYMBOL	DESCRIPTION
	20"x48" SUSPENDED HIGH BAY LED LIGHT FIXTURE MOUNT BOTTOM OF FIXTURE @ 11'-0" A.F.F.
	2x4 LAY-IN LED LIGHT FIXTURE
	1x4 FIXTURE SUSPENDED FIXTURE MOUNT BOTTOM OF FIXTURE @ 11'-0" A.F.F.
	1x4 EMERGENCY FIXTURE SUSPENDED FIXTURE MOUNT BOTTOM OF FIXTURE @ 11'-0" A.F.F.
	TRACK LIGHTING BOTTOM OF TRACK LIGHTING AT 13'-6" A.F.F.
	CEILING FAN MOUNT BOTTOM OF FAN @ 11'-0" A.F.F.

SYMBOL	DESCRIPTION
	2x2 LAY-IN LED LIGHT FIXTURE
	EMERGENCY MOUNT BOTTOM OF FIXTURE @ 10'-6" A.F.F.
	EXIT SIGN / DIRECTIONAL SIGN MOUNT BOTTOM OF FIXTURE @ 10'-6" A.F.F.
	EXIT / EMERGENCY SIGN WITH EGRESS LIGHTING MOUNT BOTTOM OF FIXTURE @ 10'-6" A.F.F.
	EXTERIOR LED WALLPACK. MOUNT BOTTOM OF FIXTURE @ 10'-0" A.F.F.
	2' LED STRIP. MOUNT BOTTOM OF FIXTURE @ 8'-0" A.F.F. ON WALL
	5" LED PENDANT LIGHTING BOTTOM OF LIGHT AT 13'-6" A.F.F.

KEY NOTES

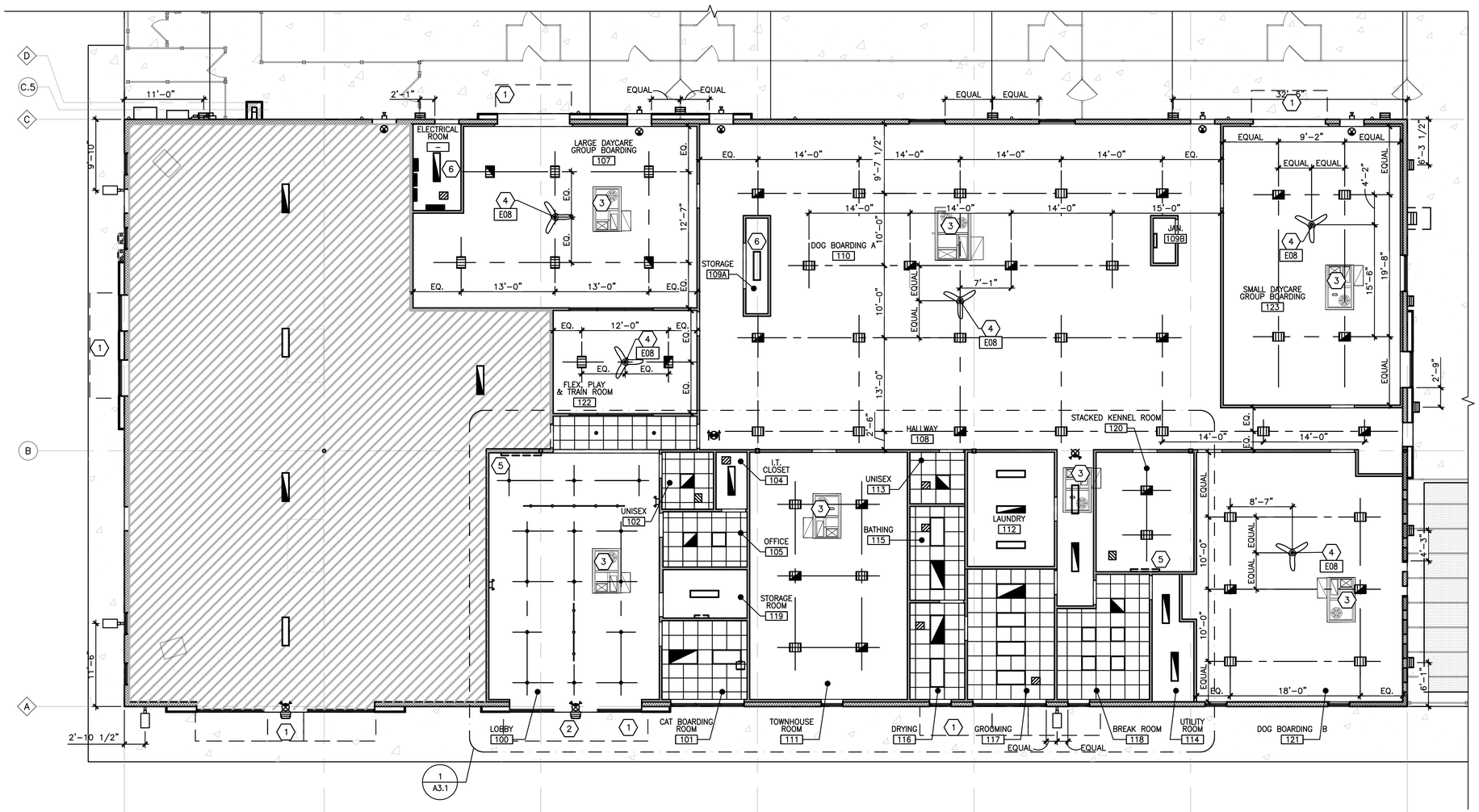
(SEE A3.1 FOR UNUSED KEYNOTES) (-)

1. LINE OF CANOPY ABOVE. SEE SHEET A4.0.
2. CENTER WALL PACK OVER DOOR.
3. HVAC UNIT ON ROOF ABOVE.
4. CEILING FAN SPACED PER DIMENSIONS. SUSPEND FROM STRUCTURE ABOVE. INSTALL PER MANUFACTURER'S SPECIFICATIONS. REFER TO ELECTRICAL DRAWINGS & SHEET A0.1.
5. WALL MOUNTED TELEVISION. REFER TO INTERIOR ELEVATIONS.
6. MOUNT LIGHT FIXTURE IN CENTER OF ROOM.

HVAC DUCTS IN EXPOSED CEILING AREAS SHALL BE MOUNTED AS TIGHT AS POSSIBLE TO PEMB STRUCTURE WITH DIFFUSERS TERMINATING AS HIGH AS POSSIBLE. IN NO CASE SHALL DIFFUSERS TERMINATE BELOW LIGHT FIXTURES AND CEILING FANS

GENERAL NOTES

A. LOCATE ALL FIXTURES, APPLIANCES ND EQUIPMENT PER ARCHITECTURAL DRAWINGS UNLESS NOTED OTHERWISE.
B. SEE ELECTRICAL DRAWINGS FOR FIXTURES SPECIFICATIONS, WIRING AND SWITCHING.
C. CENTER CEILING GRID IN ROOM UNLESS NOTED OTHERWISE.
D. EXPOSED CEILING, STEEL STRUCTURE, DUCTWORK, CONDUIT, PIPING, AND ANY EXPOSED BLOCKING / UNISTRUTS / FRAMING IN EXPOSED CEILING AREAS TO BE PAINTED PT-6. SEE SPECIFICATIONS AND SHEET A10.1.
E. BACK-LAY 3 1/2" BATT INSULATION ABOVE CEILING IN ROOMS 100 (IN RESTROOM HALLWAY), 101, 102, 105, 106, 113, 115, 116, 117, & 118.



1 A3.0 REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"

NORTH

GPD GROUP
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petsuites STAY • PLAY

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PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO. 2020155.27

A3.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\245_A3.0 REFLECTED CEILING PLAN.dwg
---- - akoleasr

REFLECTED CEILING PLAN LEGEND

REFER TO ELECTRICAL DRAWINGS FOR FIXTURE SPECIFICATIONS

SYMBOL	DESCRIPTION
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	1x4 FIXTURE SUSPENDED FIXTURE MOUNT BOTTOM OF FIXTURE @ 11'–0" A.F.F.
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	EMERGENCY MOUNT BOTTOM OF FIXTURE @ 10'–6" A.F.F.
	EXIT SIGN / DIRECTIONAL SIGN MOUNT BOTTOM OF FIXTURE @ 10'–6" A.F.F.
	EXIT / EMERGENCY SIGN WITH EGRESS LIGHTING MOUNT BOTTOM OF FIXTURE @ 10'–6" A.F.F.
	EXTERIOR LED WALLPACK. MOUNT BOTTOM OF FIXTURE @ 10'–0" A.F.F.
	2' LED STRIP. MOUNT BOTTOM OF FIXTURE @ 8'–0" A.F.F. ON WALL
	5" LED PENDANT LIGHTING BOTTOM OF LIGHT AT 13'–6" A.F.F.

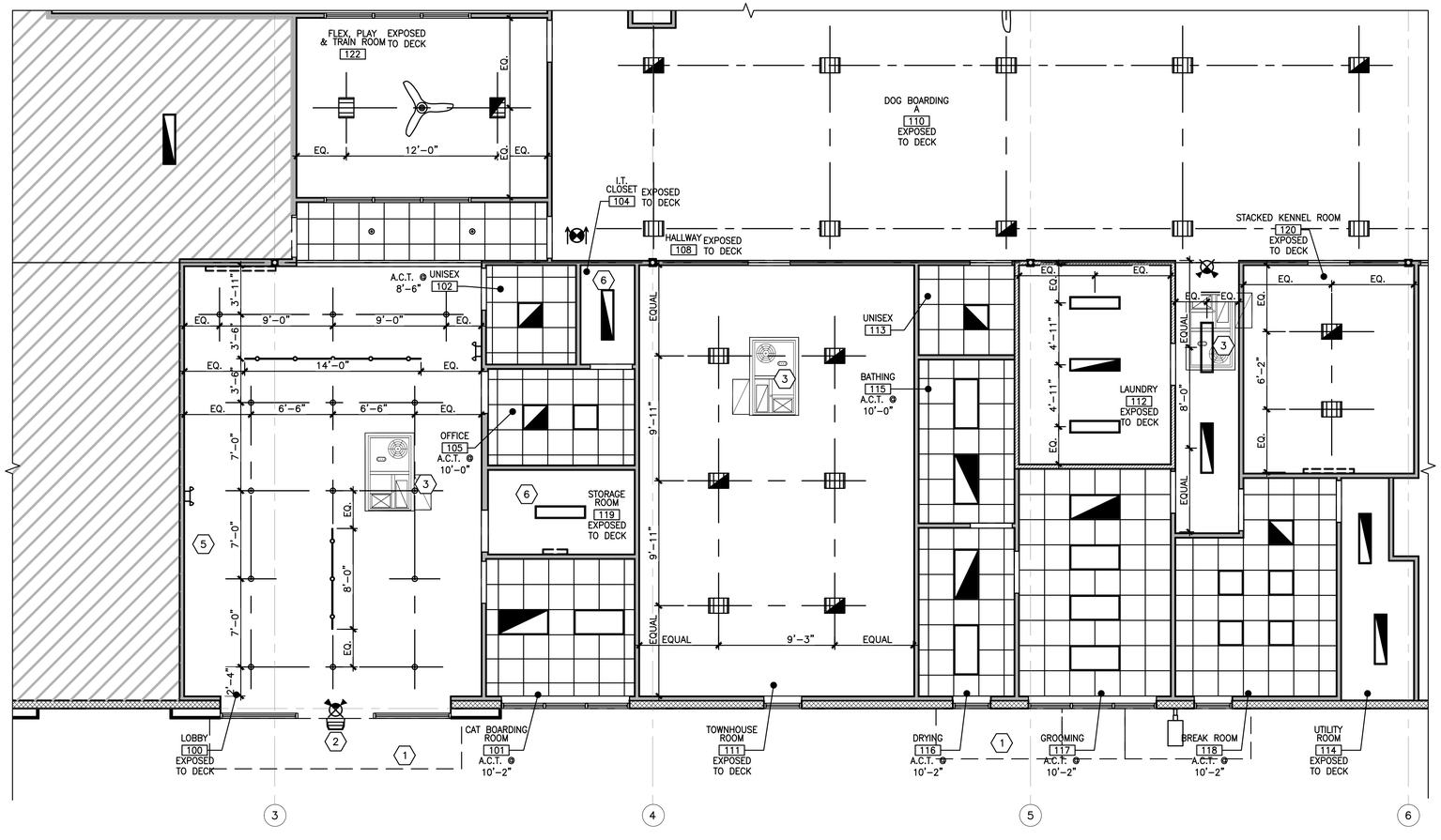
KEY NOTES (SEE A3.1 FOR UNUSED KEYNOTES)

1. LINE OF CANOPY ABOVE. SEE SHEET A4.0.
2. CENTER WALL PACK OVER DOOR.
3. HVAC UNIT ON ROOF ABOVE.
4. CEILING FAN SPACED PER DIMENSIONS. SUSPEND FROM STRUCTURE ABOVE. INSTALL PER MANUFACTURER'S SPECIFICATIONS. REFER TO ELECTRICAL DRAWINGS & SHEET A0.1.
5. WALL MOUNTED TELEVISION. REFER TO INTERIOR ELEVATIONS.
6. MOUNT LIGHT FIXTURE IN CENTER OF ROOM.

HVAC DUCTS IN EXPOSED CEILING AREAS SHALL BE MOUNTED AS TIGHT AS POSSIBLE TO PEMB STRUCTURE WITH DIFFUSERS TERMINATING AS HIGH AS POSSIBLE. IN NO CASE SHALL DIFFUSERS TERMINATE BELOW LIGHT FIXTURES AND CEILING FANS

GENERAL NOTES

A. LOCATE ALL FIXTURES, APPLIANCES ND EQUIPMENT PER ARCHITECTURAL DRAWINGS UNLESS NOTED OTHERWISE.
B. SEE ELECTRICAL DRAWINGS FOR FIXTURES SPECIFICATIONS, WIRING AND SWITCHING.
C. CENTER CEILING GRID IN ROOM UNLESS NOTED OTHERWISE.
D. EXPOSED CEILING, STEEL STRUCTURE, DUCTWORK, CONDUIT, PIPING, AND ANY EXPOSED BLOCKING / UNISTRUTS / FRAMING IN EXPOSED CEILING AREAS TO BE PAINTED PT–6. SEE SPECIFICATIONS AND SHEET A10.1.
E. BACK–LAY 3 1/2" BATT INSULATION ABOVE CEILING IN ROOMS 100 (IN RESTROOM HALLWAY), 101, 102, 105, 106, 113, 115, 116, 117, & 118.



1 / A3.1 ENLARGED PARTIAL REFLECTED CEILING PLAN – FRONT OF HOUSE
SCALE: 3/16"=1'–0"

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-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER A-2004032558
ARCHITECT
02/16/21

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250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

ENLARGED PARTIAL REFLECTED CEILING PLAN

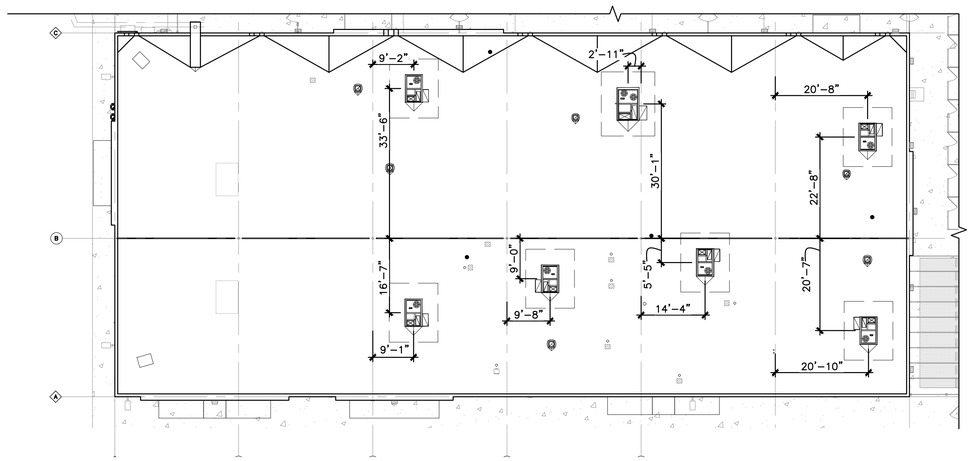
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BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO.
2020155.27

A3.1

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\250_A3.1 ENLARGED PARTIAL REFLECTED CEILING PLAN (FRONT OF HOUSE).dwg
Date: 1/29/2021 7:48:58 AM
User: dalbestar

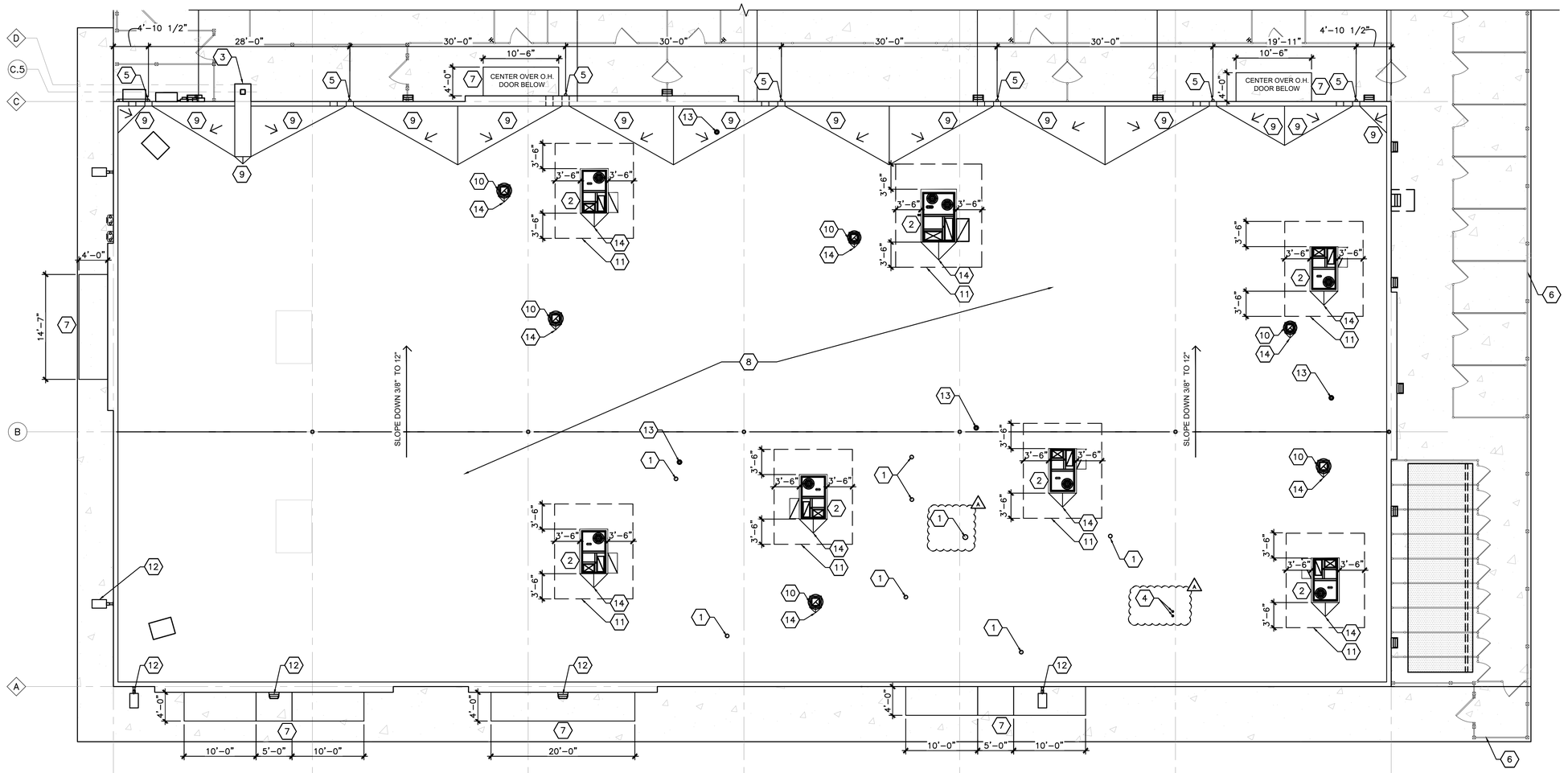


1 A4.0 HVAC LOCATION PLAN
SCALE: N.T.S.

ALL DIMENSIONS ARE FROM CENTER LINE OF UNIT TO COLUMN LINE

KEY NOTES

1. EXHAUST DUCT UP THRU ROOF A MINIMUM OF 10'-0" FEET AWAY FROM AIR INTAKE. COORDINATE AND PROVIDE ROOF CAP PER MECHANICAL PLANS. PAINT TO MATCH ROOF.
2. ROOF TOP HVAC UNIT. MANUFACTURER TO PROVIDE CURB. COORDINATE WITH MECHANICAL PLANS AND SCHEDULES.
3. BLADE STRUCTURE. REFER TO SHEET A7.3 AND STRUCTURAL DRAWINGS.
4. VENT AND COMBUSTION AIR INTAKE / EXHAUST FOR HOT WATER TANK. REFER TO MECHANICAL PLANS.
5. METAL DOWNSPOUT. CONNECT TO STORM SYSTEM – SEE CIVIL. COLOR TO MATCH EXTERIOR FINISH & HOLD TIGHT TO ADJACENT STRUCTURE.
6. PLAY YARD FENCE BELOW – SEE A9.0 & A9.1.
7. CANOPY BY GENERAL CONTRACTOR. SEE DETAIL A7.3 AND REQUIRED VENDOR SHEET A0.3 FOR ADDITIONAL INFORMATION.
8. MEMBRANE ROOF. REFER TO SPECIFICATION.
9. DIVERTERS FOR ROOF TOP EQUIPMENT / OBSTRUCTIONS BY ROOFING CONTRACTOR.
10. ROOF MOUNTED EXHAUST FAN ON INSULATED 12" HIGH ROOF CURB FOR EXHAUST FAN DISCHARGE UP THRU ROOF. COORDINATE WITH MECHANICAL PLANS. ROOFING CONTRACTOR TO PROVIDE DIVERTER.
11. REQUIRED SERVICE CLEAR. FOR RTU. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
12. INSTALL LIGHTING FIXTURE BELOW CANOPY. REFER TO LIGHTING PLAN.
13. SANITARY VENTING THROUGH ROOF. SEE PLUMBING PLANS.
14. DIVERTERS FOR ROOF TOP EQUIPMENT



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1 A4.0 ROOF PLAN
SCALE: 1/8"=1'-0"

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-	01.29.21	95% CLIENT REVIEW SET
A	02.12.21	ADDENDUM 1

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MARK S. SALOPEK
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ROOF PLAN

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RECORD	-

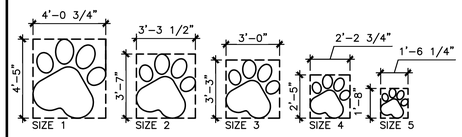
PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO.
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A4.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\255_A4.0 ROOF PLAN.dwg
---- - akolesar

CONCRETE STAIN PAW PRINT STENCIL LEGEND



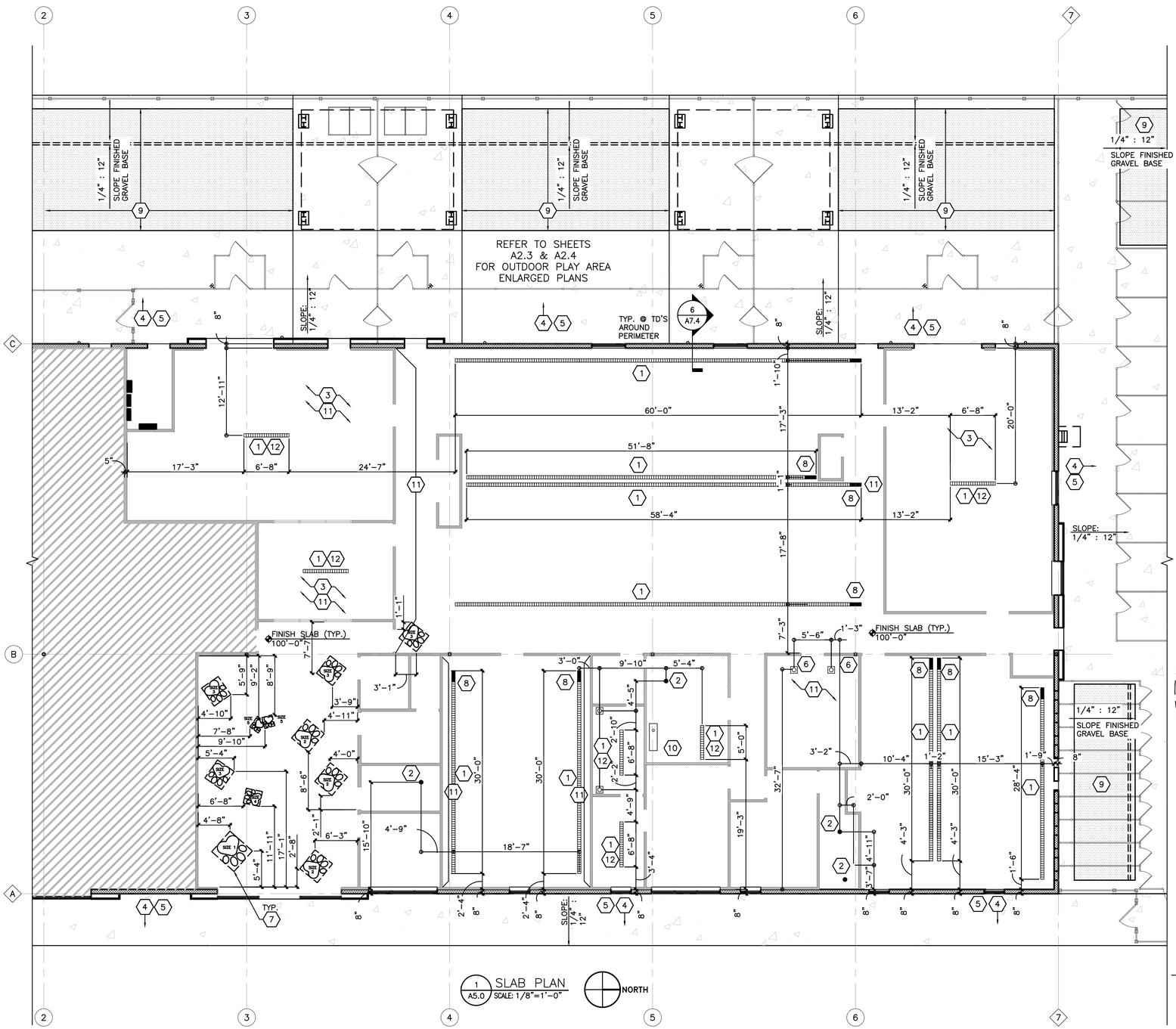
***DASHED SQUARE BORDER AROUND THE PAW PRINTS ARE FOR PAW SIZING AND PLACEMENT REFERENCE ONLY. THE SQUARE BORDER SHALL NOT BE PART OF THE FINAL STAINED PATTERN.

GENERAL NOTES

A. DIMENSIONS THIS PLAN ARE TO STRUCTURAL GRID LINE, FACE OF CMU EDGE OF CONCRETE, EDGE OR CENTERLINE OF DRAIN.
B. CONTRACTOR TO FIELD VERIFY SIZES AND DIMENSIONS OF TRENCHES IN CONCRETE SLAB AND SPACING OF KENNELS. GRATES TO BE PLANED SMOOTH BY G.C., CUT IN FIELD AND INSTALLED AFTER KENNELS ARE POSITIONED. GRATES MUST BE REMOVABLE WITHIN EACH KENNEL UNIT. BRACE TRENCH DRAINS DURING CONCRETE POUR AND CURE TIME TO AVOID TRENCH PINCH AND ENSURE THAT GRATES FIT.
C. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR SLAB DETAILS, CONTROL JOINTS AND REINFORCING. CONTROL JOINTS ARE TO BE 12" MIN. AWAY FROM CHAIN LINK FENCE POST.
D. DASHED SQUARE BORDER AROUND THE PAW PRINTS ARE FOR PAW SIZING AND PLACEMENT REFERENCE ONLY. THE SQUARE BORDER SHALL NOT BE PART OF THE FINAL STAINED PATTERN.

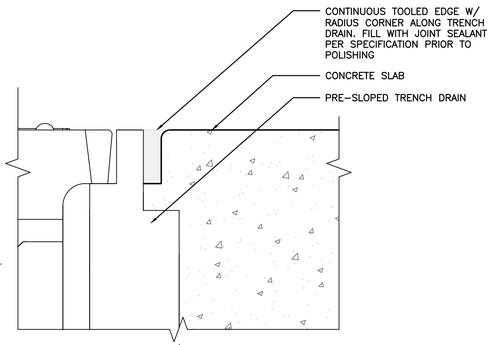
KEY NOTES

1. CONTINUOUS TRENCH DRAIN WITH GRATE. REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS.
2. FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
3. PLAY AREA SLAB – SMOOTH FINISH.
4. SLOPE EXTERIOR CONCRETE WALKWAY 1/4" PER FOOT AWAY FROM BUILDING. LIGHT BROOM FINISH BETWEEN BUILDING AND YARDS.
5. TROWEL AND LIGHT HAIR BROOM FINISH CONCRETE. REFER TO SPECIFICATION
6. FLOOR SINK. REFER TO PLUMBING DRAWINGS.
7. DECORATIVE STAINED PAW PRINTS. SEE SHEET A10.1 AND SPECIFICATION.
8. CATCH BASIN WITH SEDIMENT BUCKET– REFER TO PLUMBING PLANS.
9. OPENING IN SLAB TO RECEIVE K–9 GRASS AND SUBGRADE ASSEMBLY. SEE A9.0.
10. INDIRECT DRAIN TO RECEIVE WASHER DISCHARGE FROM TROUGH. SURFACE MOUNT ON SLAB. SEE SHEET A2.5 AND PLUMBING DRAWINGS.
11. NOTED SPACE / WALL LENGTH SHALL RECEIVE WALL BASE CONDITION AS SHOWN ON DETAIL 2 ON THIS SHEET. REFER TO FINISH SCHEDULE / INTERIOR ELEVATIONS FOR ROOM SPECIFIC INTERIOR FINISHES.
12. PROVIDE CHANNEL SEDIMENT BASKET: ZURN Z886–86 STAINLESS STEEL MESH SCREEN BODY CHANNEL SEDIMENT BUCKET WITH STAINLESS STEEL HANDEL AND FRAME.

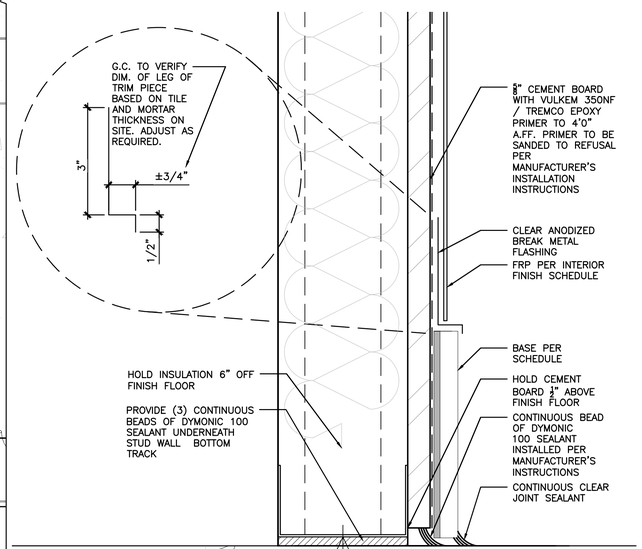


1 A5.0 SLAB PLAN SCALE: 1/8"=1'–0"

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3 A5.0 TRENCH DRAIN EDGE DETAIL SCALE: 6"=1'–0"



2 A5.0 WATER PENETRATION MITIGATION WALL DETAIL SCALE: 6"=1'–0"

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Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER A-2004032558
ARCHITECT
02/16/21

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SLAB PENETRATION & WATER PENETRATION MITIGATION PLAN

ISSUED FOR:	
PERMIT	01.29.21
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PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO. 2020155.27

A5.0

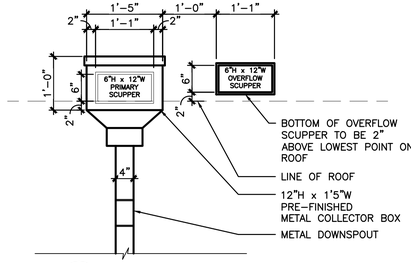
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GENERAL NOTES

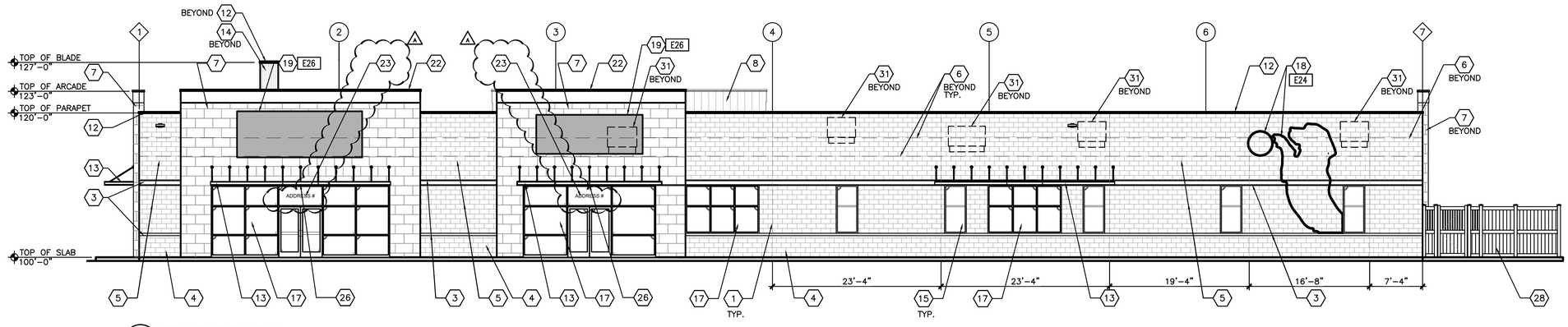
1. ELEVATIONS ARE BASED ON 100'–0" = ELEVATION OF MAIN FLOOR SLAB. REFER TO CIVIL SITE DRAWINGS FOR ELEVATION RELATIVE TO THE SITE.
2. SEE SCHEDULE ON A0.1 FOR EQUIPMENT TAG REFERENCES.
3. ALL BUILDING SIGNAGE WILL REQUIRE A SEPARATE PERMIT SUBMITTED BY OTHERS.
4. ROOF TOP EQUIPMENT SHALL BE SCREENED FROM THE PUBLIC VIEW.

KEY NOTES

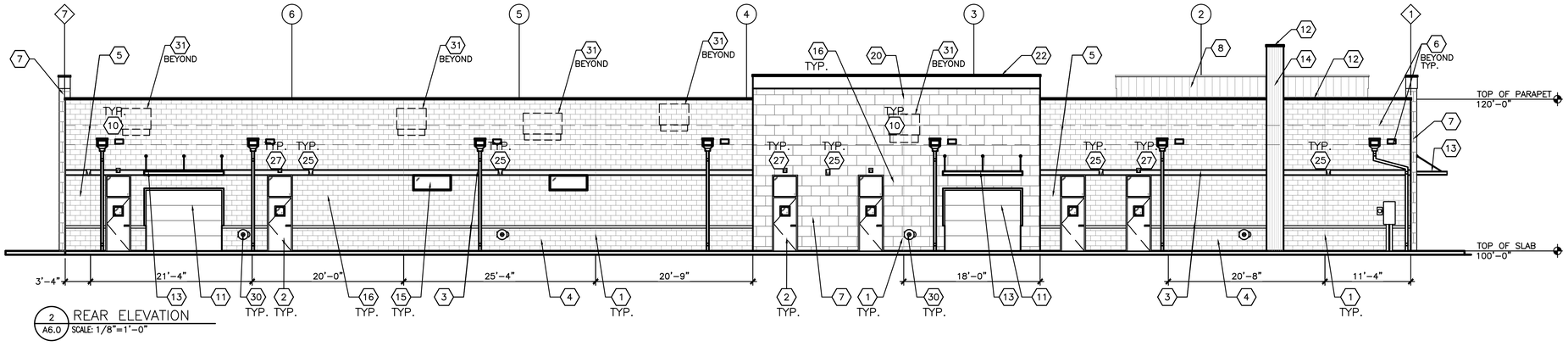
1. CMU CONTROL JOINT. COORDINATE WITH STRUCTURAL GENERAL NOTES. CAULK.
2. GALVANIZED HEAVY–DUTY DOOR AND HARDWARE, TYP. FROM DOG BOARDING AREA – SEE DOOR SCHEDULE. PAINT EXTERIOR GREY PER SPECIFICATION.
3. GROUND FACE CONCRETE MASONRY UNIT ACCENT, COLOR ASH CHARCOAL.
4. B.O.D. ECHELON MESASTONE SPLIT FACE CONCRETE MASONRY UNIT WATER TABLE, COLOR: ASH.
5. B.O.D. ECHELON MESASTONE TEXTURED CONCRETE MASONRY UNIT, COLOR ASH CHARCOAL.
6. MEMBRANE ROOF. SEE SPECIFICATION.
7. CORONADO SAND CANYON FLAGSTONE, 1" LIGHT TAN GROUT BETWEEN STONES – VERIFY COLOR WITH ARCHITECT PRIOR TO INSTALL. COLOR: DESERT BEIGE.
8. TPO MEMBRANE AND REAR SIDE OF PARAPET – SEE WALL SECTIONS AND SPECIFICATIONS.
9. DOG TRANSFER DOOR. B.O.D. MASON FIBERGALSS INSULATED TRANSFER DOOR. SEE DOOR SCHEDULE.
10. SCUPPER AND OVERFLOW. SEE SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.
11. ROLLING OVERHEAD DOOR. B.O.D. CLOPAY 3718 FLUSH PANEL DOOR (STUCCO EMBOSSED) COLOR: WHITE. SEE DOOR SCHEDULE.
12. METAL COPING. COLOR (TYP.):DARK GREY. COORDINATE FINAL COLOR SELECTION WITH ARCHITECT COLOR (AT BLADE): MATCH ADJACENT FINISH
13. CANOPY BY GENERAL CONTRACTOR, MANUFACTURER: PERSONA. COLOR: PETSUITES LIME GREEN. SEE DETAIL A7.3.
14. METAL WALL PANEL (BLADE). COLOR: PETSUTIES LIME GREEN. B.O.D. MBCI PBD METAL PANEL (VERTICAL ORIENTATION) – ORDER TO RECEIVE PAINT IN FIELD.
15. CLEAR GLASS WINDOW. SEE WINDOW SCHEDULE.
16. DOWNSPOUT. COLOR TO MATCH ADJACENT PANEL – REFER TO ROOF PLAN FOR ALL LOCATIONS.
17. CLEAR STOREFRONT WINDOW. SEE WINDOW SCHEDULE.
18. INTERNALLY LIT ARCHITECTURAL LED DOG GRAPHIC. G.C. TO PROVIDE BLOCKING.
19. SIGNAGE BY PETSUITES
20. CMU CONTROL JOINT AT CMU BEHIND STONE VENEER. TERMINATE STONE VENEER AT JOINT LINE TO PREVENT CRACKING OF THE STONE. COORDINATE WITH STRUCTURAL GENERAL NOTES. CAULK.
21. 563–C PR PARAPET RETURN (B.O.D.) OR OWNER APPROVED EQUIVALENT ROOF TOP LADDER WITH SECURITY GATE. SEE DETAILS A7.0. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
22. BREAK METAL TRIM CORNICE (1'10" IN HEIGHT). COLOR: DARK BRONZE. SEE DETAIL SHEET A7.2.
23. ADDRESS ABOVE DOOR MOUNTED ON CENTER PANE OF GLASS. ADDRESS TO BE 10"–12" VINYL CUT NUMBERS. COLOR: BLACK W/ WHITE OUTLINES AND A MINIMUM STROKE OF .5".
24. EXTERIOR WALL PACK. SEE SHEET A3.0 FOR LOCATION AND LIGHTING SCHEDULE E3.0 FOR TYPE.
25. EXTERIOR WALL PACK NESTED IN CANOPY PER MANUFACTURER'S RECOMMENDATIONS. SEE SHEET A3.0 FOR LOCATION AND LIGHTING SCHEDULE E3.0 FOR TYPE.
26. EMERGENCY LIGHTING FIXTURE BOTTOM @ 10'–2" A.F.F. SEE SHEET A3.0 AND LIGHTING SCHEDULE ON E3.0 FOR TYPE.
27. 7'–0" HIGH SOLID COMPOSITE PRIVACY FENCE. REFER TO SHEET A9.1 AND SPECIFICATIONS. B.O.D. WEATHERABLES AUGUSTA PRIVACY FENCE, COLOR: GRAY.
28. WALL HYDRANT. SEE PLUMBING.
29. HOSE REEL. SEE EQUIPMENT SCHEDULE AND PLUMBING DRAWINGS.
30. RTU BEYOND. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
31. OUTDOOR PEMB CANOPY WITH METAL ROOF. STRUCTURE COLOR: WHITE, PANEL COLOR: CHARCOAL GRAY.



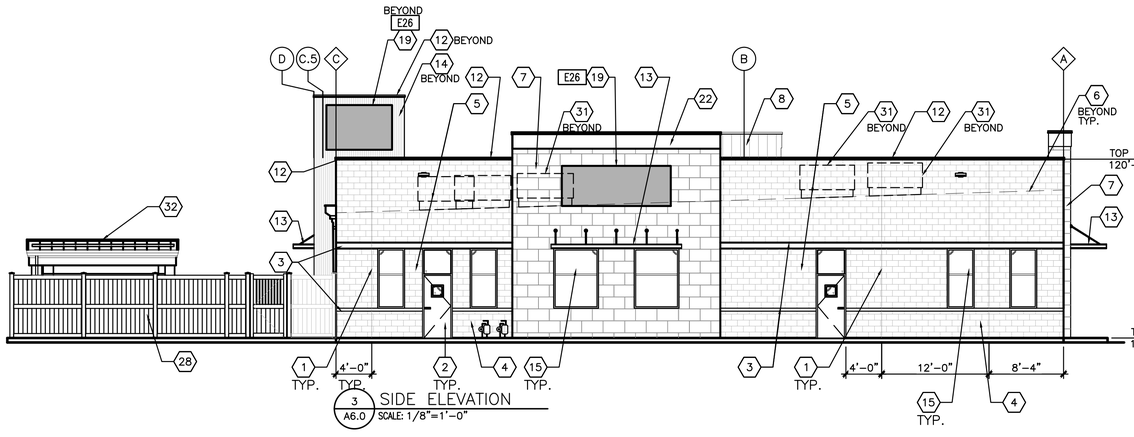
5 A6.0 SCUPPER ELEVATION
SCALE: 3/4"=1'–0"



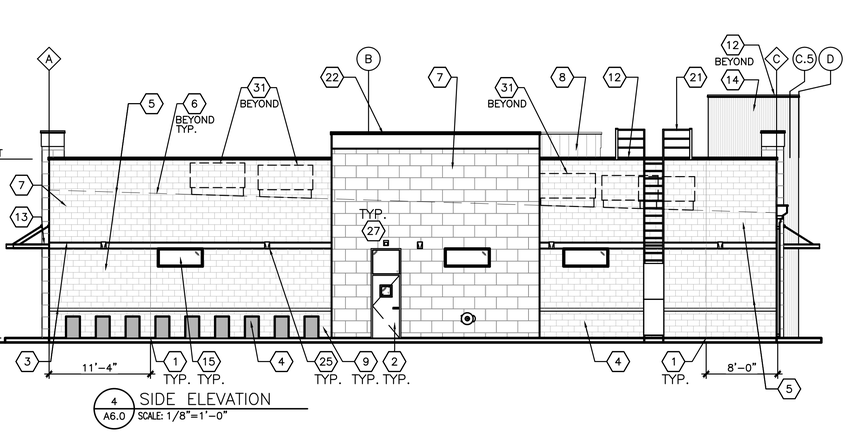
1 A6.0 FRONT ELEVATION
SCALE: 1/8"=1'–0"



2 A6.0 REAR ELEVATION
SCALE: 1/8"=1'–0"



3 A6.0 SIDE ELEVATION
SCALE: 1/8"=1'–0"



4 A6.0 SIDE ELEVATION
SCALE: 1/8"=1'–0"

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EXTERIOR ELEVATIONS

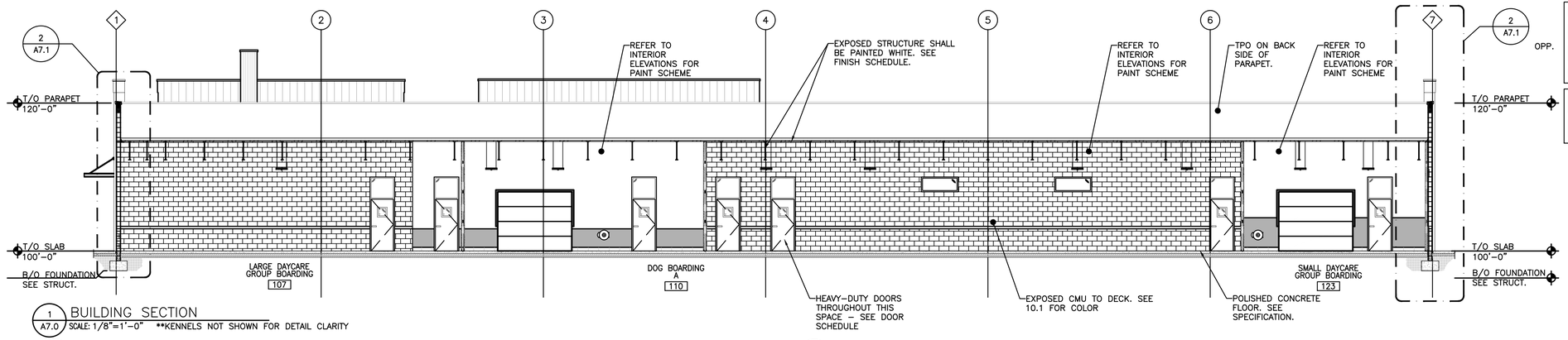
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PROJECT MANAGER	DESIGNER
KMW	AMK

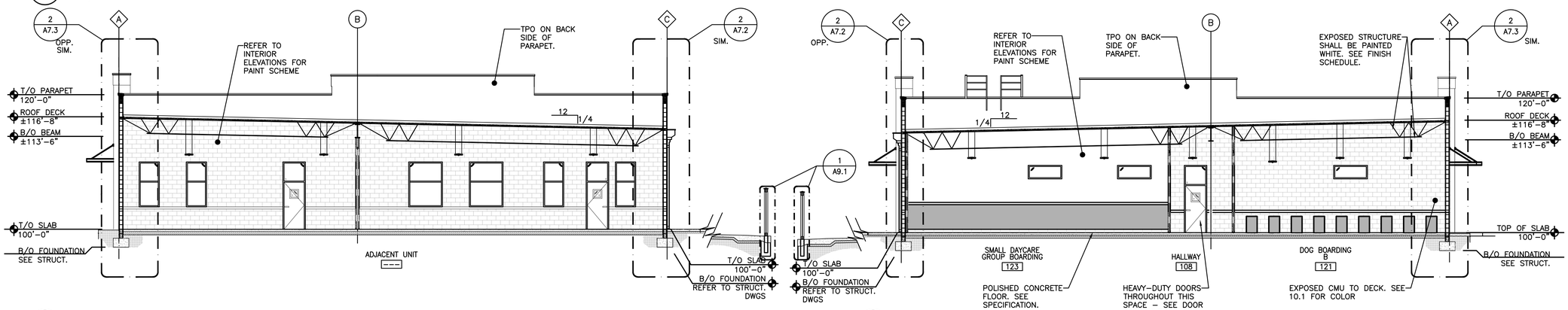
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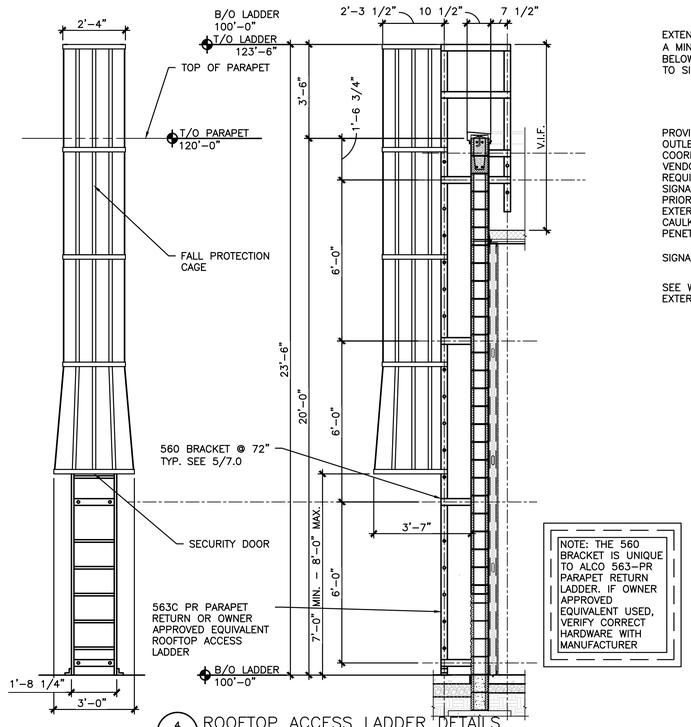


1 A7.0 BUILDING SECTION
SCALE: 1/8"=1'-0" **KENNELS NOT SHOWN FOR DETAIL CLARITY



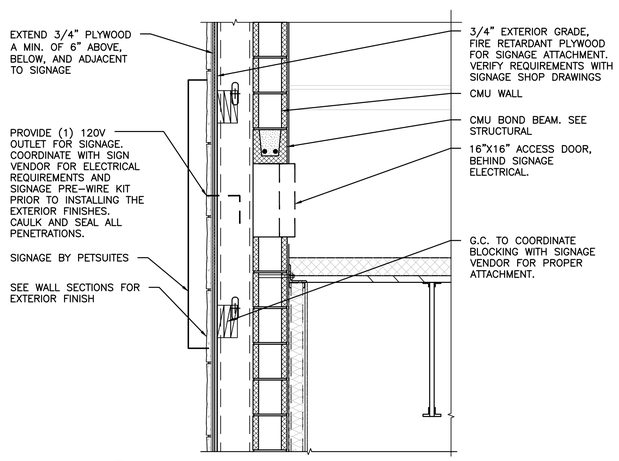
2 A7.0 BUILDING SECTION
SCALE: 1/8"=1'-0" **KENNELS NOT SHOWN FOR DETAIL CLARITY

3 A7.0 BUILDING SECTION
SCALE: 1/8"=1'-0" **KENNELS NOT SHOWN FOR DETAIL CLARITY

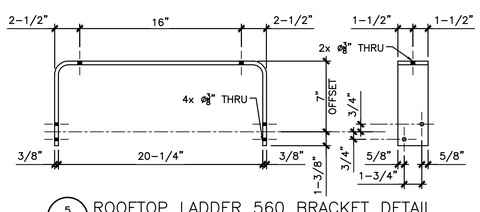


4 A7.0 ROOFTOP ACCESS LADDER DETAILS
SCALE: 3/8"=1'-0"

NOTE: THE 560 BRACKET IS UNIQUE TO ALCO 563-PR PARAPET RETURN LADDER. IF OWNER APPROVED EQUIVALENT USED, VERIFY CORRECT HARDWARE WITH MANUFACTURER



6 A7.0 SIGNAGE BLOCKING / ELECTRICAL DETAIL
SCALE: 3/4"=1'-0"



5 A7.0 ROOFTOP LADDER 560 BRACKET DETAIL
SCALE: N.T.S.

ALL EXPOSED STRUCTURAL STEEL, ELECTRICAL CONDUITS AND BOXES, EXPOSED PVC VENT LINES AND EXPOSED HVAC DUCTWORK TO BE PAINTED WHITE, REFER TO FINISH LEGEND AND SPECIFICATIONS.

REFER TO SHEET A10.1 FOR REQUIRED SITE SPECIFIC, ENERGY CODE COMPLIANT INSULATION SYSTEM.

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LEE'S SUMMIT, MO 64086

BUILDING SECTIONS & DETAILS

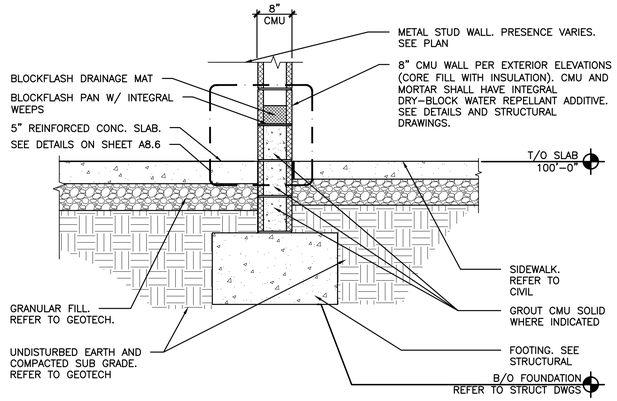
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PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

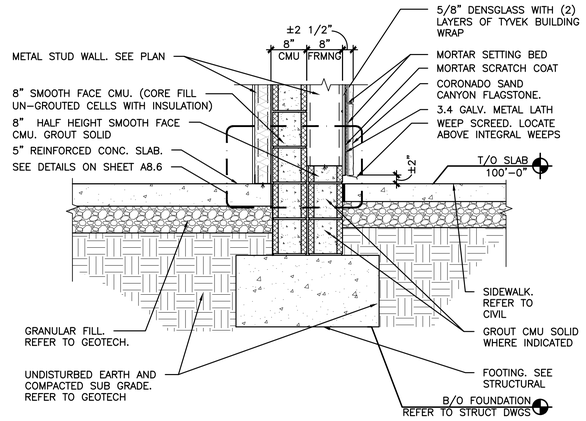
JOB NO.
2020155.27

A7.0

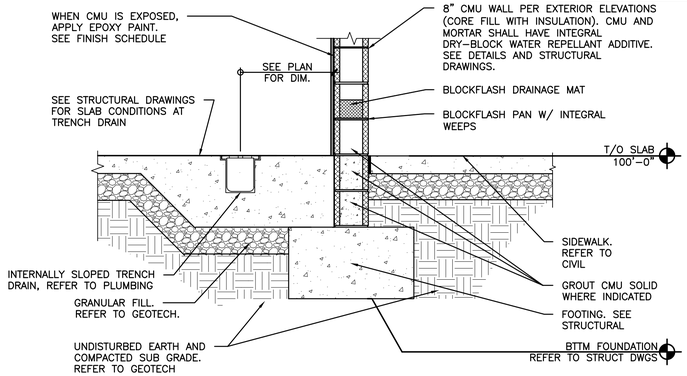
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---- - skotesar



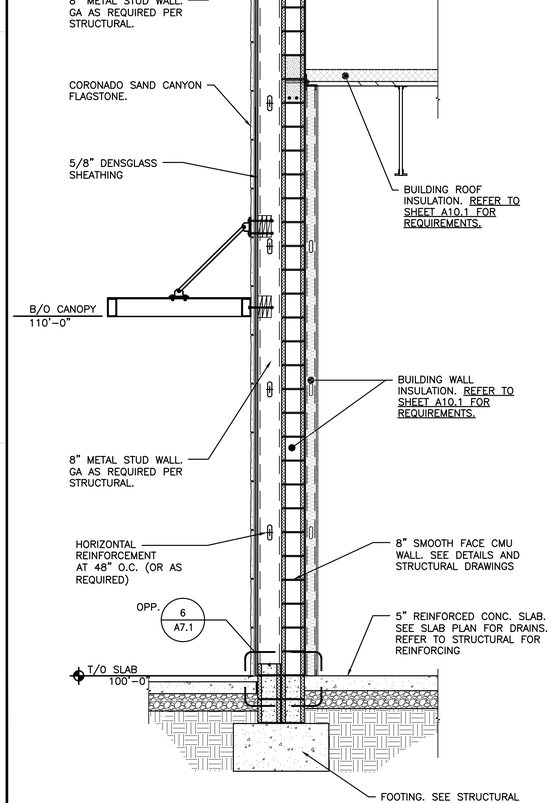
7 A7.1 FOUNDATION DETAIL @ CMU
SCALE: 3/4"=1'-0"



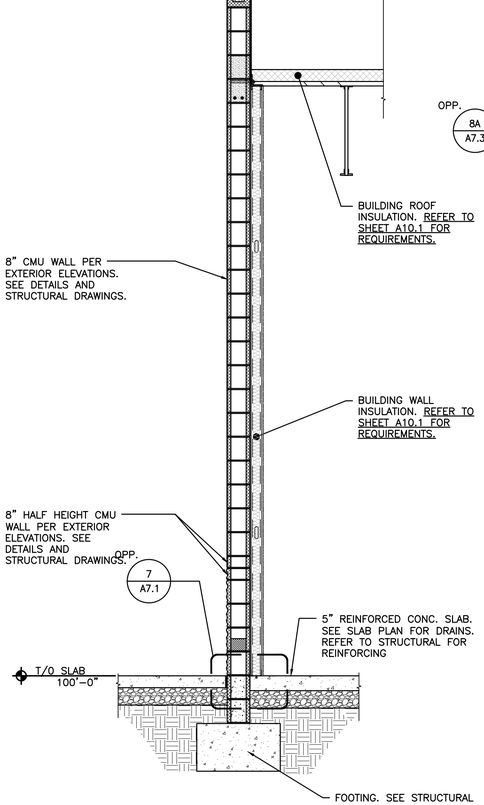
6 A7.1 FOUNDATION DETAIL @ SAND CANYON FLAGSTONE
SCALE: 3/4"=1'-0"



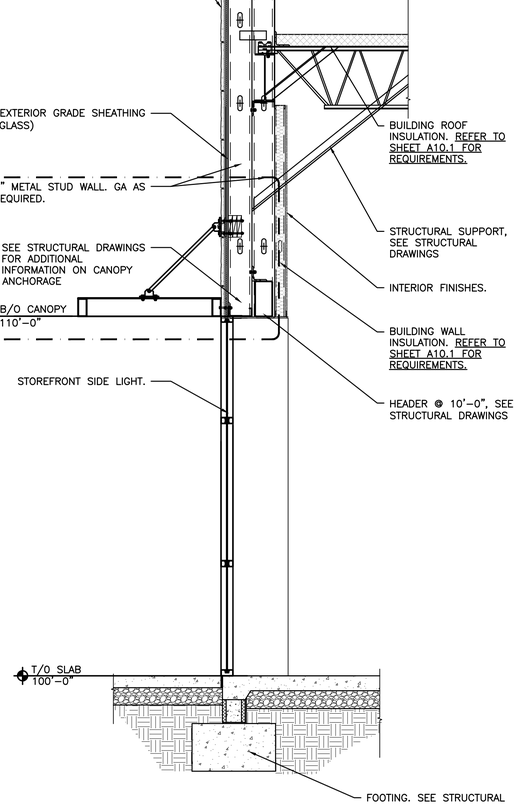
5 A7.1 PARTIAL WALL SECTION @ TRENCH
SCALE: 1/2"=1'-0"



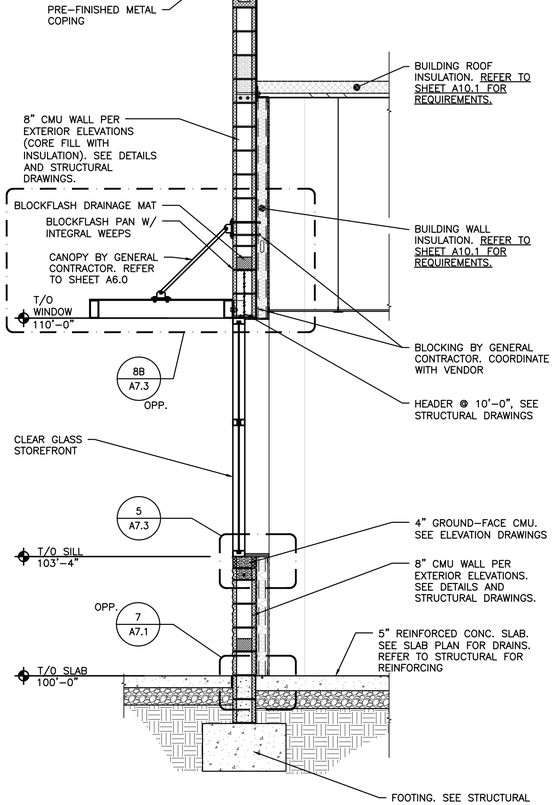
1 A7.1 WALL SECTION
SCALE: 1/2"=1'-0"



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



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



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

REFER TO SHEET A10.1 FOR REQUIRED SITE SPECIFIC, ENERGY CODE COMPLIANT INSULATION SYSTEM.

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A-2004032558

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ARCHITECT
02/16/21

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WALL SECTIONS & DETAILS

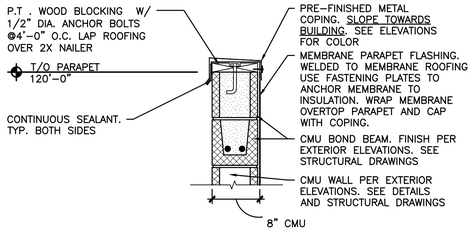
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PROJECT MANAGER	DESIGNER
KMW	MGP

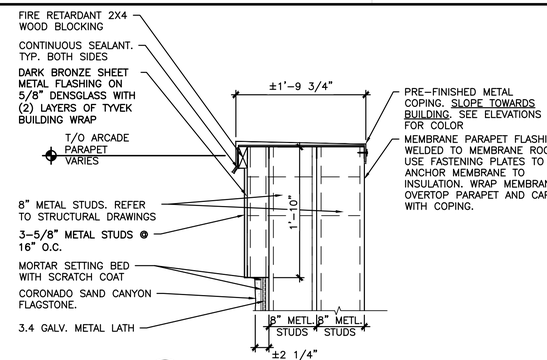
JOB NO. 2020155.27

A7.1

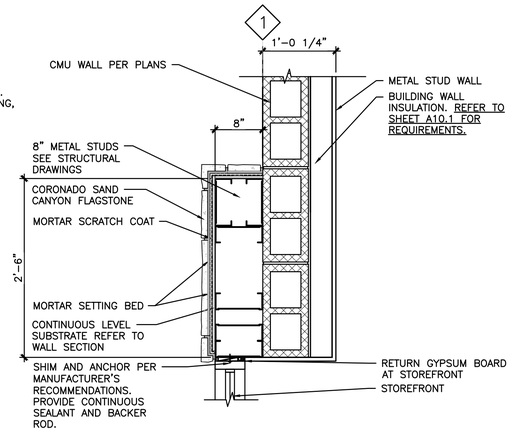
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---- - akolesar



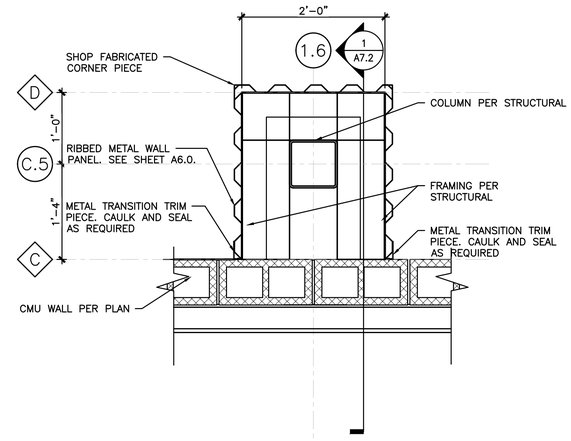
7 A7.2 WALL DETAIL – PARAPET (TYP.)
SCALE: 1"=1'-0"



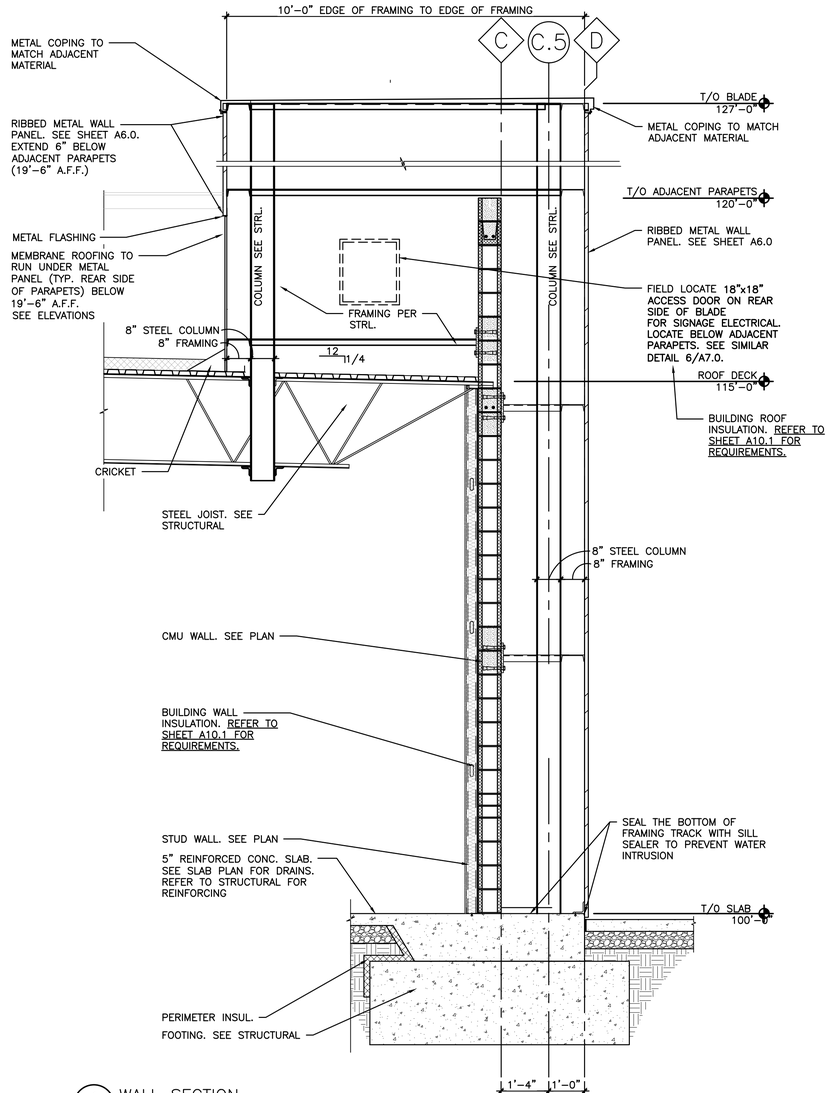
6 A7.2 WALL DETAIL – PARAPET @ ARCADE
SCALE: 1"=1'-0"



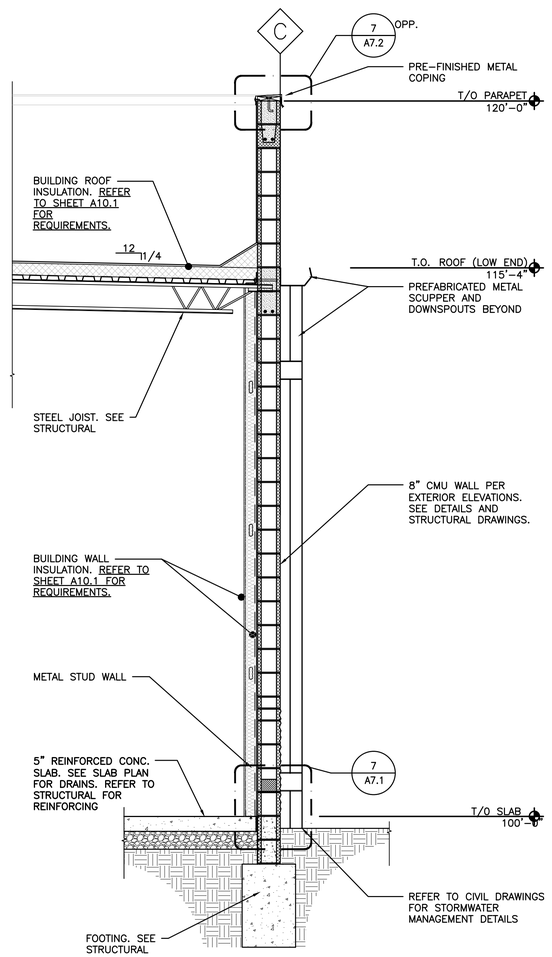
5 A7.2 WALL DETAIL
SCALE: 1-1/2"=1'-0"



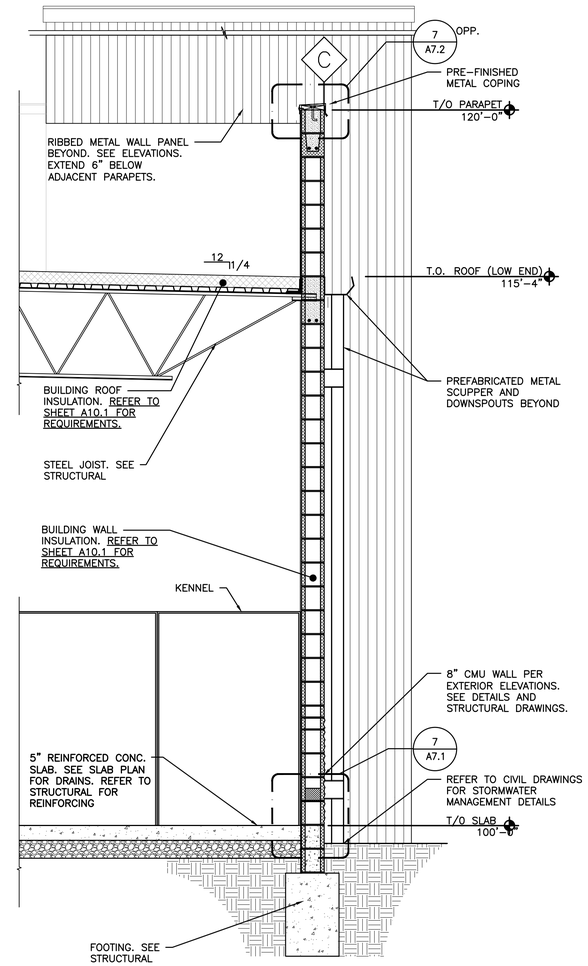
4 A7.2 WALL DETAIL BELOW 3'-0" AF.F.
SCALE: 1"=1'-0"



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



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



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

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WALL SECTIONS & DETAILS

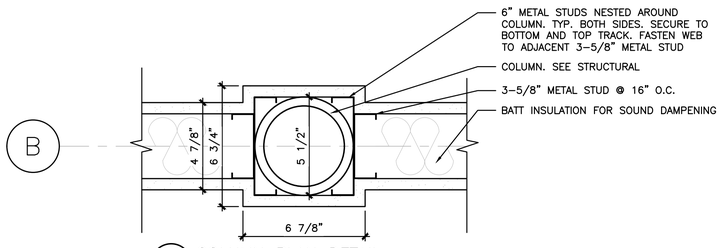
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PROJECT MANAGER	DESIGNER
KMW	DGB

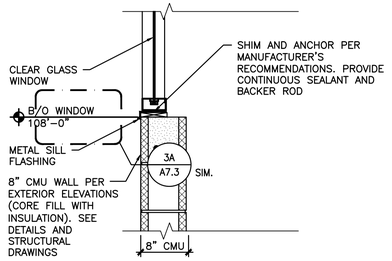
JOB NO.
2020155.27

A7.2

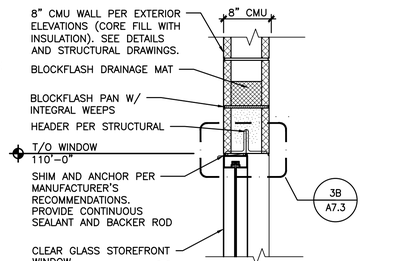
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---- - akolesar



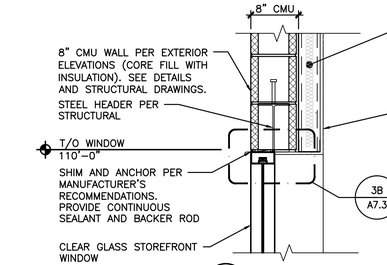
10 A7.3 COLUMN PLAN DETAIL
SCALE: 3"=1'-0"



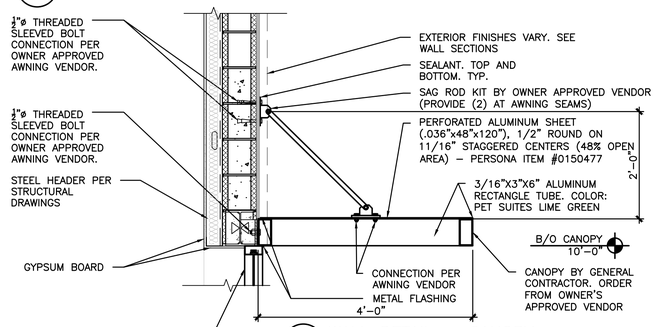
9 A7.3 WALL DETAIL – SILL
SCALE: 1"=1'-0"



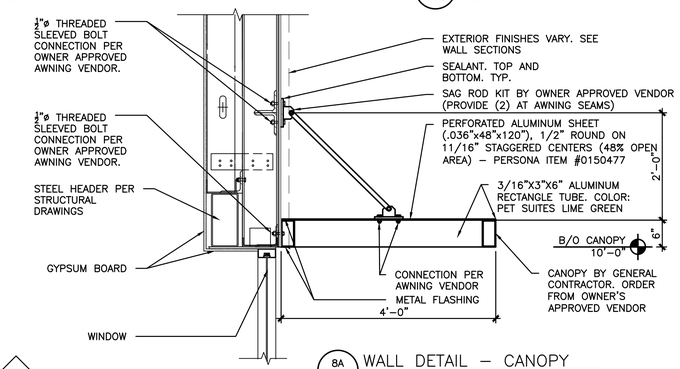
7 A7.3 WALL DETAIL – HEAD
SCALE: 1"=1'-0"



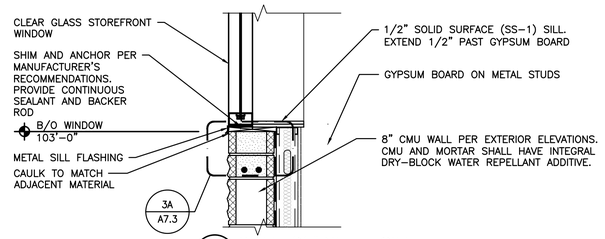
6 A7.3 WALL DETAIL – HEAD
SCALE: 1"=1'-0"



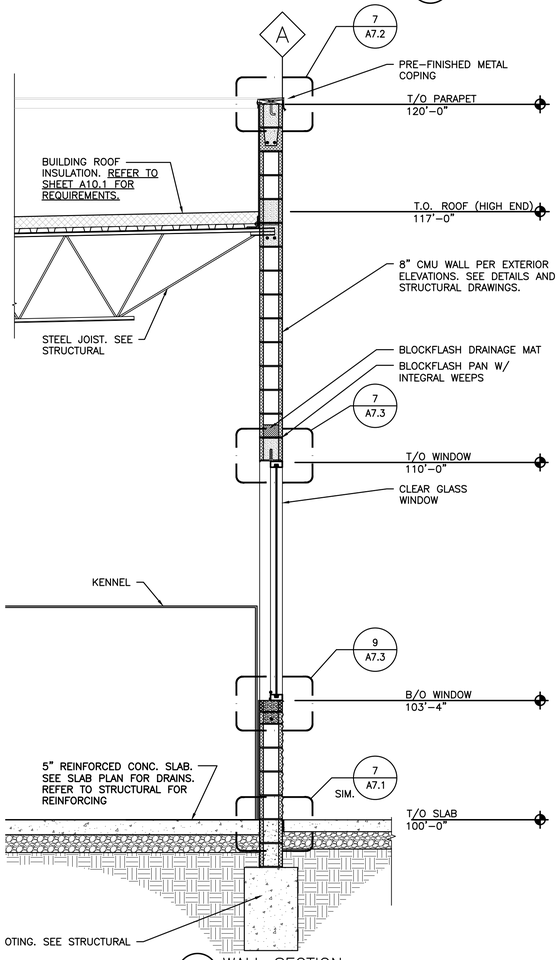
8B A7.3 WALL DETAIL – CANOPY
SCALE: 3/4"=1'-0"



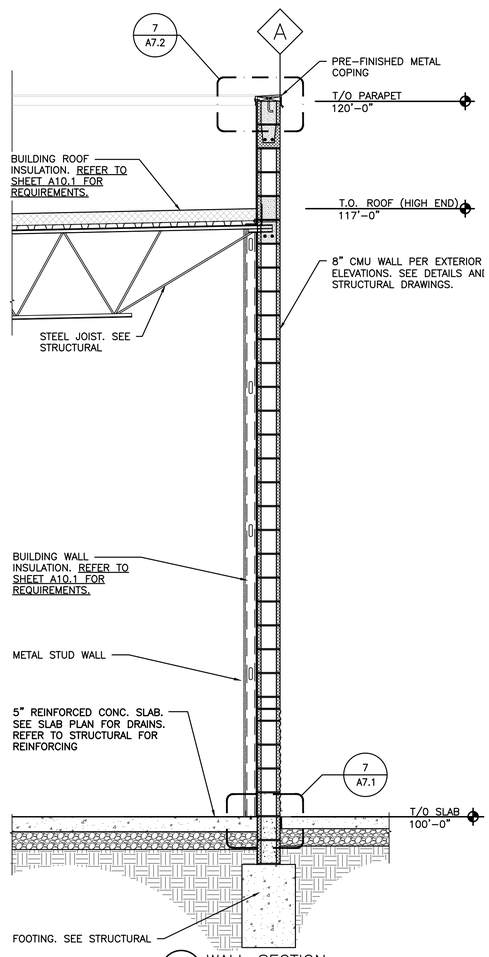
8A A7.3 WALL DETAIL – CANOPY
SCALE: 3/4"=1'-0"



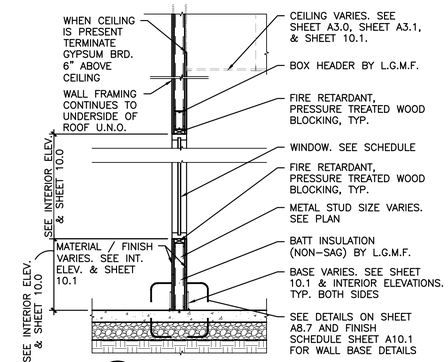
5 A7.3 WALL DETAIL – SILL
SCALE: 1"=1'-0"



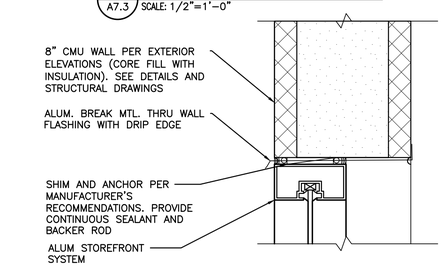
1 A7.3 WALL SECTION
SCALE: 1/2"=1'-0"



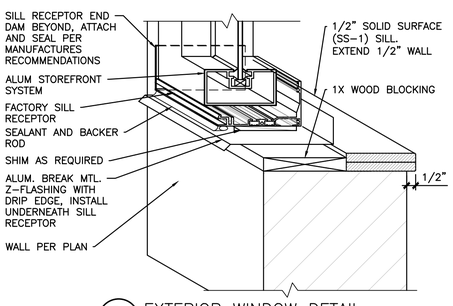
2 A7.3 WALL SECTION
SCALE: 1/2"=1'-0"



4 A7.3 INTERIOR WINDOW SECTION
SCALE: 1/2"=1'-0"



3B A7.3 EXTERIOR WINDOW DETAIL
SCALE: 3"=1'-0"



3A A7.3 EXTERIOR WINDOW DETAIL
SCALE: 3"=1'-0"

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WALL SECTIONS & DETAILS

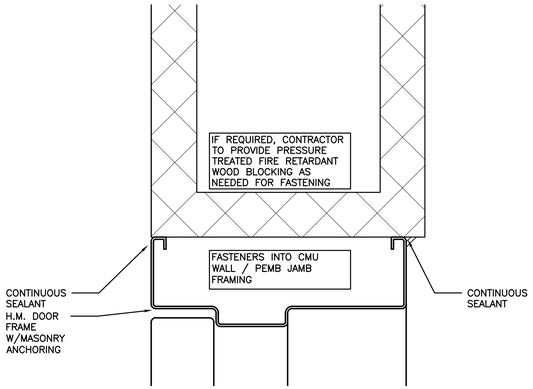
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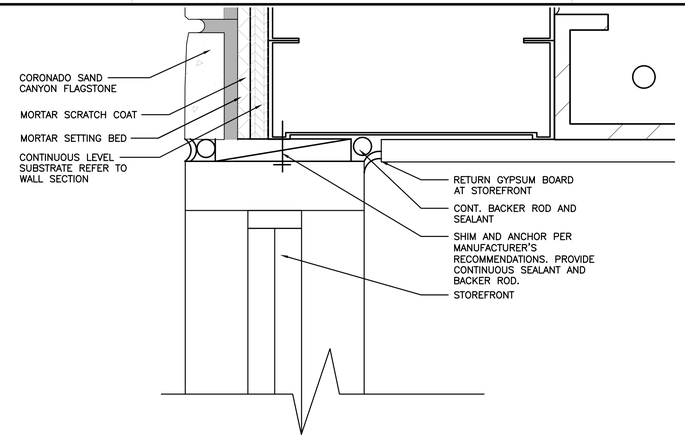
JOB NO.
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A7.3

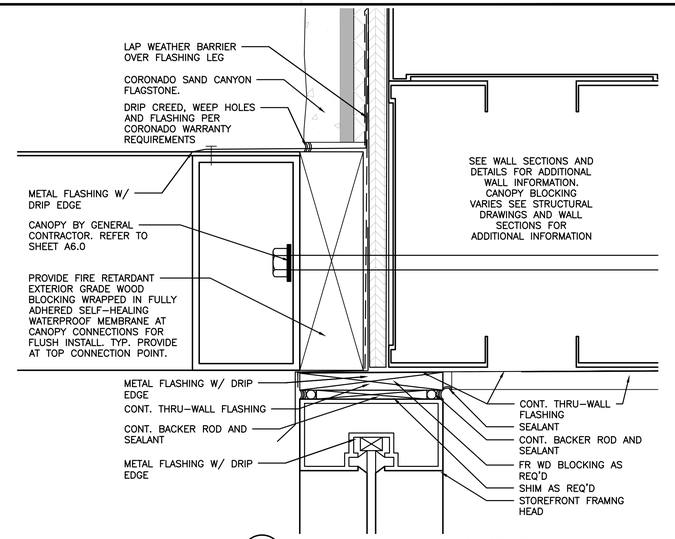
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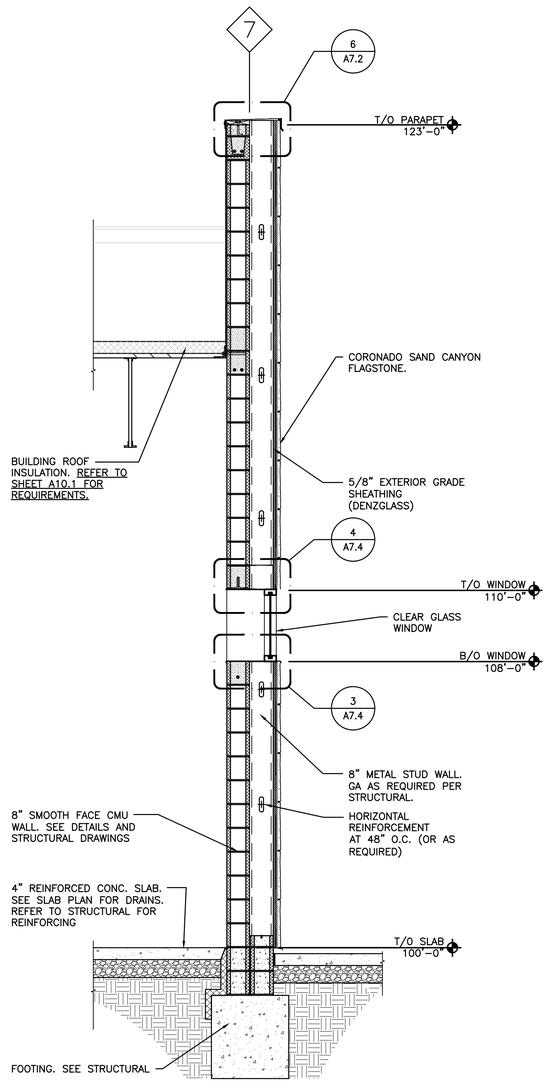
7 A7.5 H.M.JAMB DETAIL
SCALE: 6"=1'-0"



6 A7.5 ALUM. JAMB DETAIL @ CORONADO STONE
SCALE: 6"=1'-0"

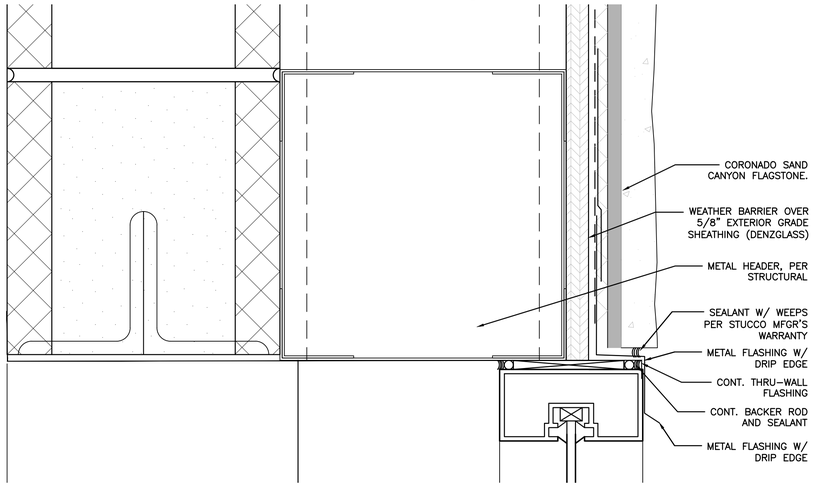


5 A7.5 ALUM. HEAD DETAIL @ CORONADO STONE
SCALE: 6"=1'-0"

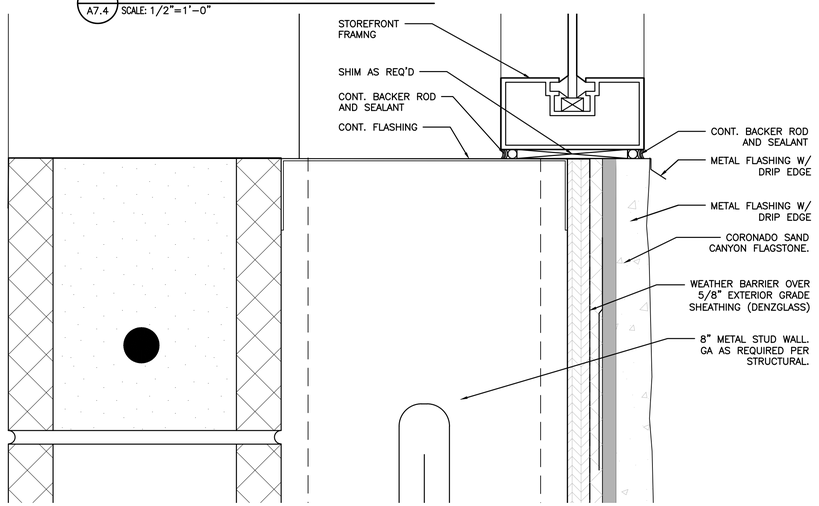


1 A7.4 WALL SECTION
SCALE: 1/2"=1'-0"

2 A7.4 NOT USED
SCALE: 1/2"=1'-0"



4 A7.4 WINDOW HEAD DETAIL
SCALE: 1/2"=1'-0"



3 A7.4 WINDOW SILL DETAIL
SCALE: 1/2"=1'-0"

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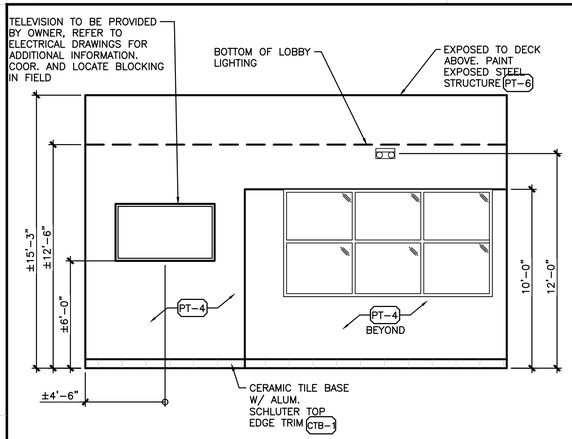
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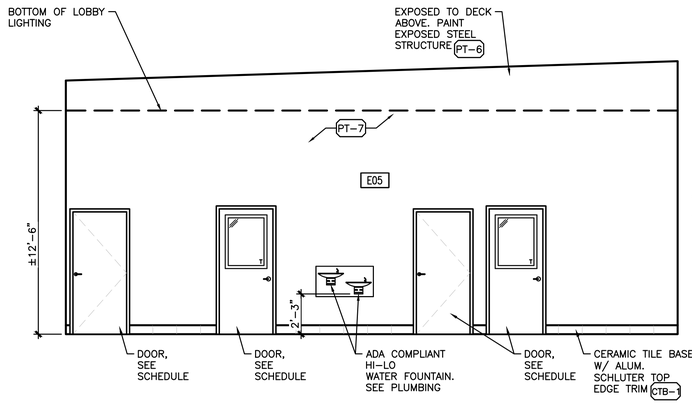
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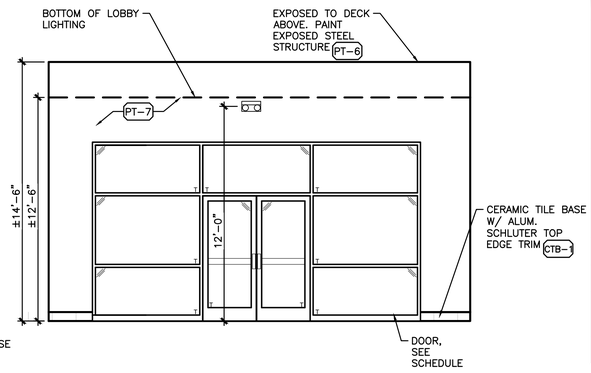
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---- - akotesar



1 A8.0 LOBBY ELEVATION
SCALE: 1/4"=1'-0"



2 A8.0 LOBBY ELEVATION
SCALE: 1/4"=1'-0"

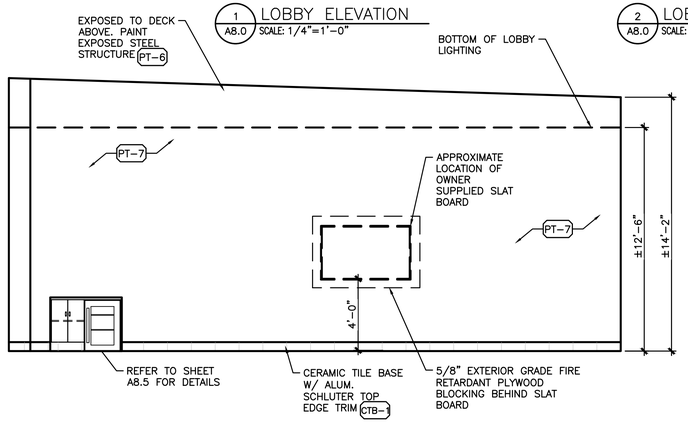


3 A8.0 LOBBY ELEVATION
SCALE: 1/4"=1'-0"

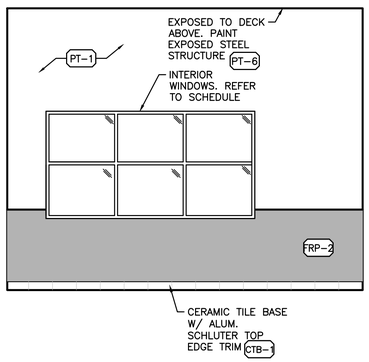
RESTROOM ACCESSORIES

BOBRICK OR EQUAL, U.N.O.

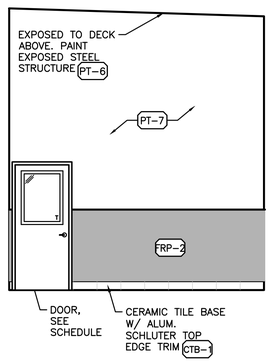
P-1	WALL HUNG SINK & FAUCET BY AMERICAN STANDARD (ADA COMPLIANT), PROVIDE A.D.A. SAFETY COVERS FOR ALL PLUMBING & SUPPLY LINES
P-2	FLOOR MOUNTED WATER CLOSET BY AMERICAN STANDARD OR EQUAL (ADA COMPLIANT IN UNISEX 102).
TA-1	KEYLESS TISSUE ROLL DISPENSER. (A&J WASHROOM UX141-SF B.O.D.)
TA-2	SOAP DISPENSER (BOBRICK B-2111)
TA-3	TOWEL DISPENSER (BOBRICK B-262)
TA-4	36" GRAB BAR
TA-5	42" GRAB BAR
TA-6	2'-6" x 3'-0" CHANNEL FRAME MIRROR
TA-7	2'-0" x 1'-6" STAINLESS STEEL PANEL UNDER TOWEL DISPENSER.
TA-8	18" VERITCAL GRAB BAR



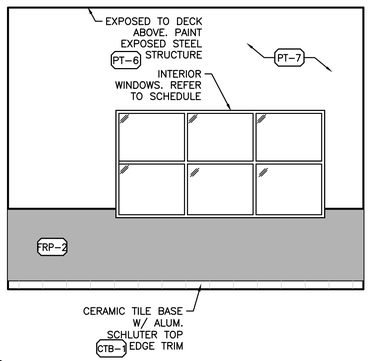
4 A8.0 LOBBY ELEVATION
SCALE: 1/4"=1'-0"



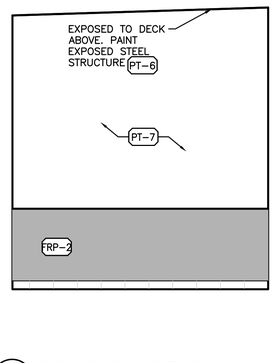
5 A8.0 FLEX ROOM ELEVATION
SCALE: 1/4"=1'-0"



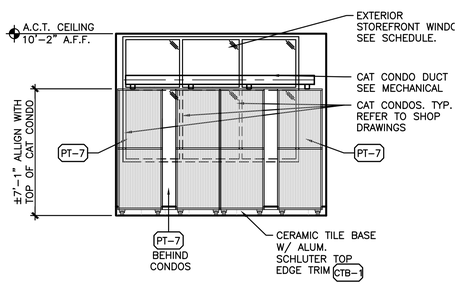
6 A8.0 FLEX ROOM ELEVATION
SCALE: 1/4"=1'-0"



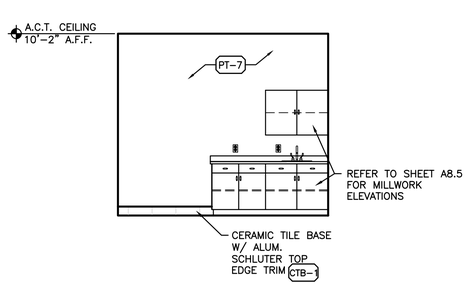
7 A8.0 FLEX ROOM ELEVATION
SCALE: 1/4"=1'-0"



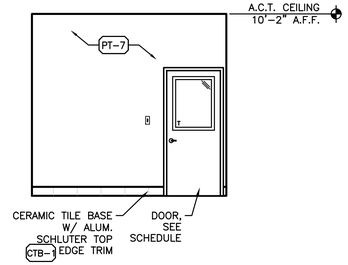
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SCALE: 1/4"=1'-0"



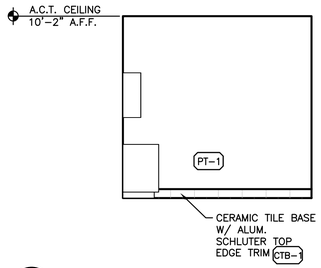
9 A8.0 CAT BOARDING ROOM ELEVATION
SCALE: 1/4"=1'-0"



10 A8.0 CAT BOARDING ROOM ELEVATION
SCALE: 1/4"=1'-0"

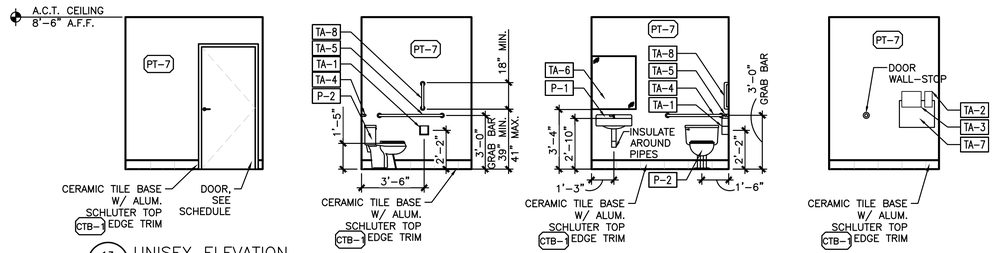


11 A8.0 CAT BOARDING ROOM ELEVATION
SCALE: 1/4"=1'-0"



12 A8.0 CAT BOARDING ROOM ELEVATION
SCALE: 1/4"=1'-0"

ELEVATION A ELEVATION B ELEVATION C ELEVATION D



13 A8.0 UNISEX ELEVATION
SCALE: 1/4"=1'-0"

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520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

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REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER
A-2004032558
ARCHITECT
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

INTERIOR ELEVATIONS

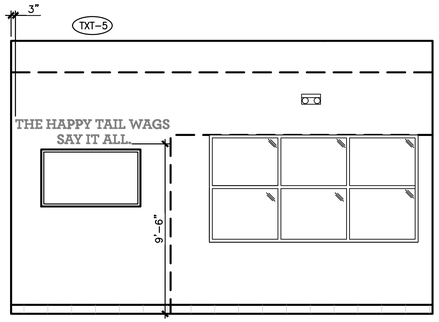
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CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

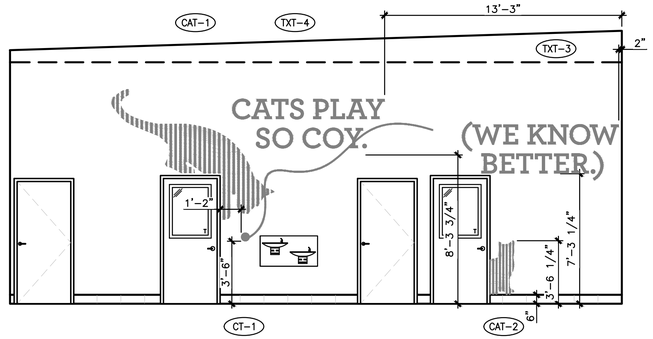
JOB NO.
2020155.27

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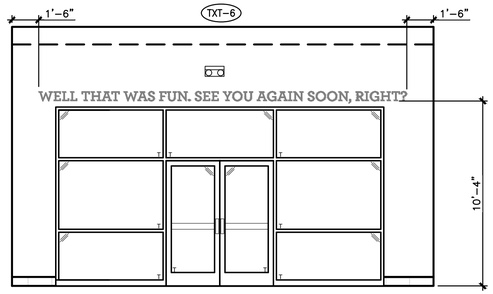
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---- - akolesar



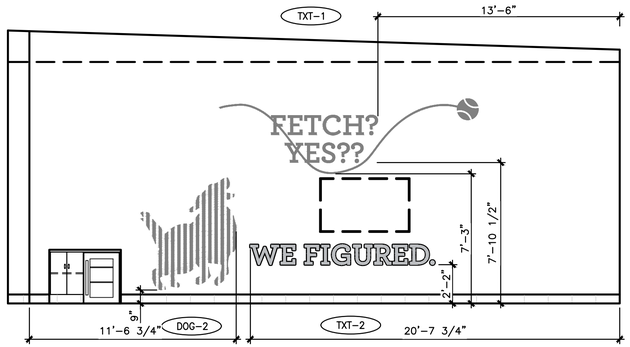
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A8.0A SCALE: 1/4"=1'-0"



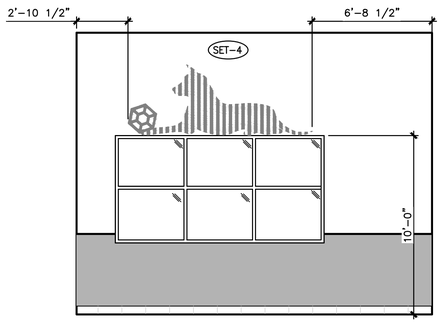
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A8.0A SCALE: 1/4"=1'-0"

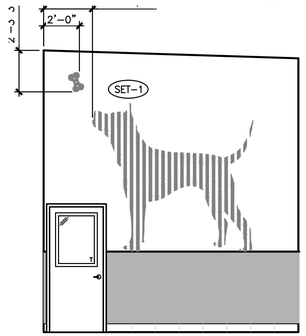


3 LOBBY ELEVATION
A8.0A SCALE: 1/4"=1'-0"



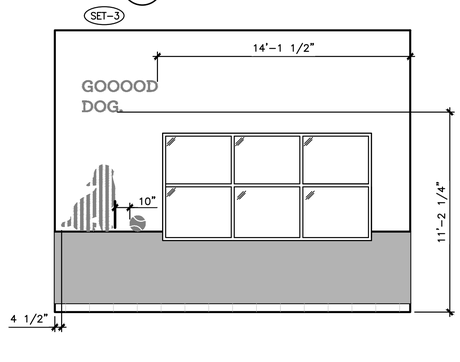
4 LOBBY ELEVATION
A8.0A SCALE: 1/4"=1'-0"

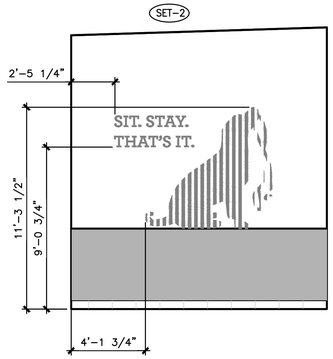


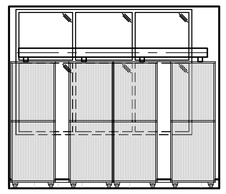


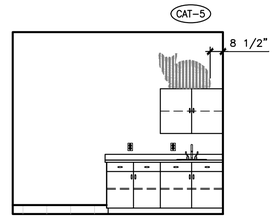
5 FLEX ROOM ELEVATION
A8.0A SCALE: 1/4"=1'-0"

6 FLEX ROOM ELEVATION
A8.0A SCALE: 1/4"=1'-0"







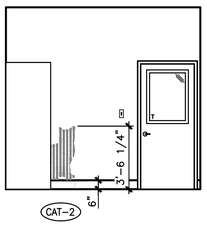


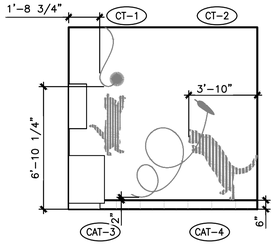
7 FLEX ROOM ELEVATION
A8.0A SCALE: 1/4"=1'-0"

8 FLEX ROOM ELEVATION
A8.0A SCALE: 1/4"=1'-0"

9 CAT BOARDING ROOM ELEVATION
A8.0A SCALE: 1/4"=1'-0"

10 CAT BOARDING ROOM ELEVATION
A8.0A SCALE: 1/4"=1'-0"





11 CAT BOARDING ROOM ELEVATION
A8.0A SCALE: 1/4"=1'-0"

12 CAT BOARDING ROOM ELEVATION
A8.0A SCALE: 1/4"=1'-0"

DESIGNER NOTE:
COORDINATE VINYL WALL ART WITH PET SUITES AND REQUIRED VENDOR. SEE EQUIPMENT TAG #27

NOTE:

VINYL WALL ART IS TO BE INSTALLED BY PETSUITES PREFERRED VENDOR. SEE SCHEDULE ON SHEET A8.3A FOR ADDITIONAL INFORMATION

GPD GROUP
Professional Corporation,
A-2014041131,E-2014041305,LA-2014040814
520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

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Mark S. Salopek – Architect
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STATE OF MISSOURI
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ARCHITECT

02/16/21

PETSUITES OF AMERICA
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INTERIOR ELEVATIONS
GRAPHICS

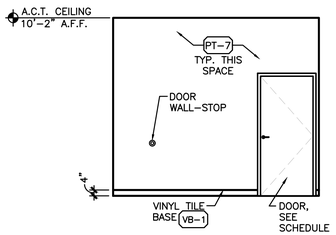
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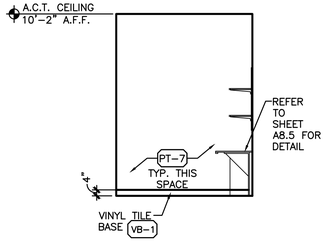
JOB NO.
2020155.27

A8.0A

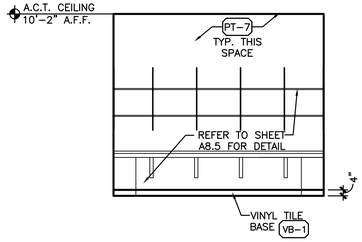
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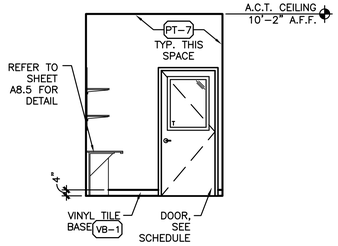
1 A8.1 OFFICE ELEVATION
SCALE: 1/4"=1'-0"



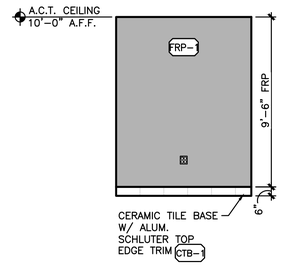
2 A8.1 OFFICE ELEVATION
SCALE: 1/4"=1'-0"



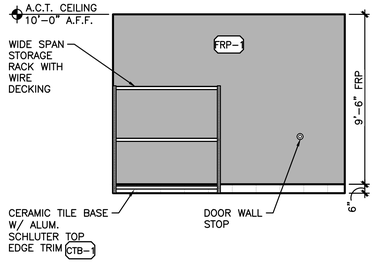
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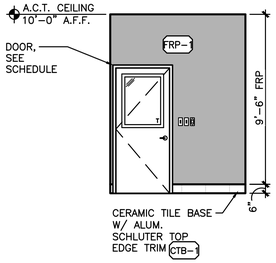
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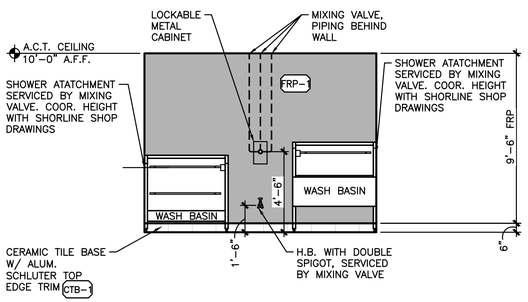
5 A8.1 BATHING ELEVATION
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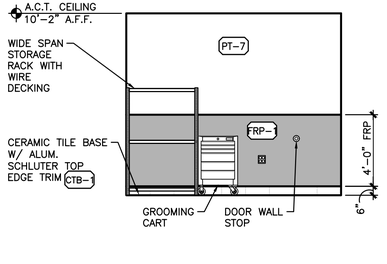
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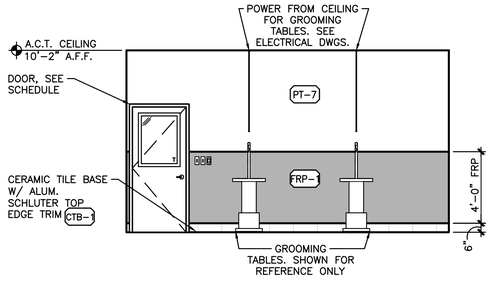
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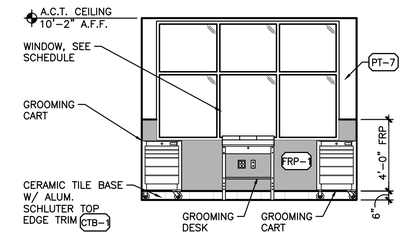
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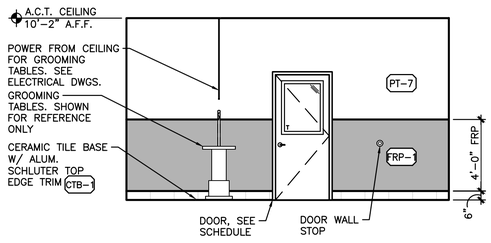
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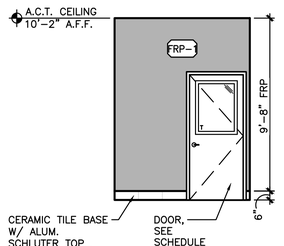
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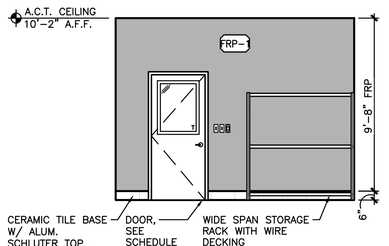
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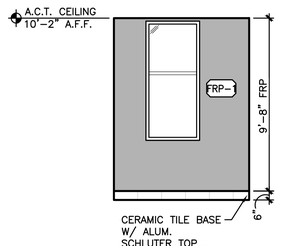
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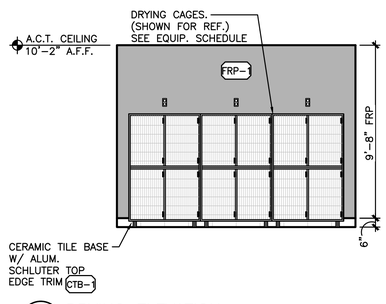
13 A8.1 DRYING ELEVATION
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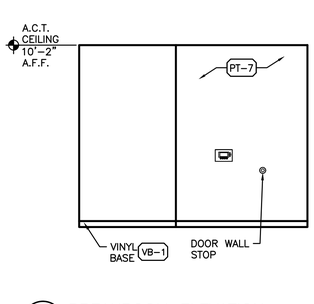
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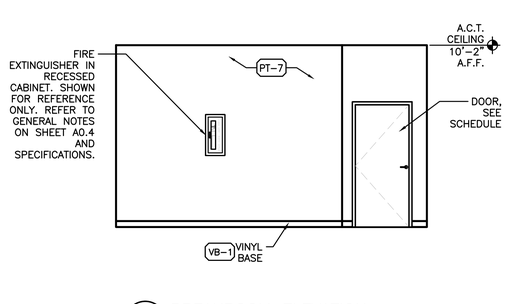
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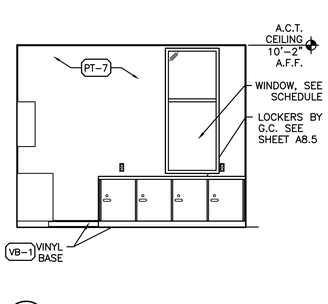
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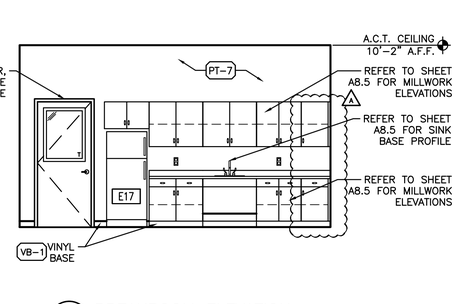
17 A8.1 BREAKROOM ELEVATION
SCALE: 1/4"=1'-0"



18 A8.1 BREAKROOM ELEVATION
SCALE: 1/4"=1'-0"



19 A8.1 BREAKROOM ELEVATION
SCALE: 1/4"=1'-0"



20 A8.1 BREAKROOM ELEVATION
SCALE: 1/4"=1'-0"

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petsuites STAY & PLAY

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A	02.XX.21	ADDENDUM 1

Mark S. Salopek – Architect
A-2004032558

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MARK S. SALOPEK
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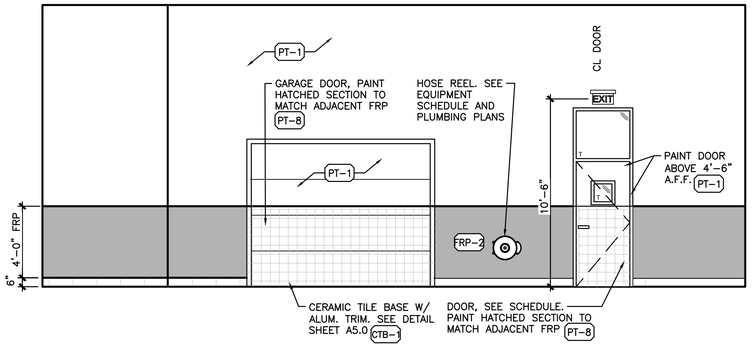
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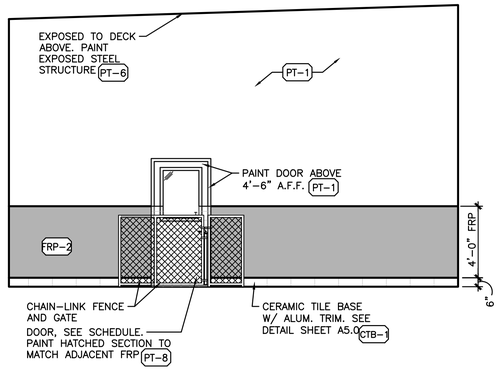
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A8.1

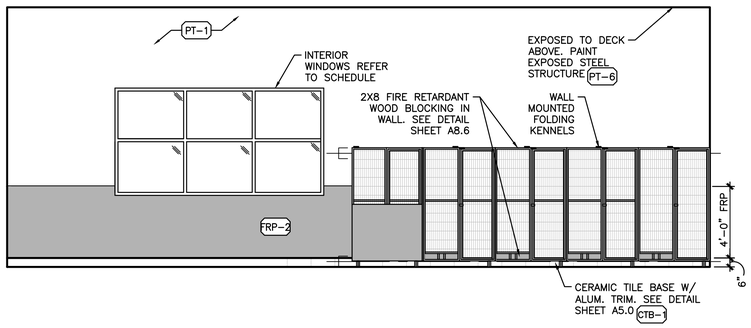
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---- - akoleasr



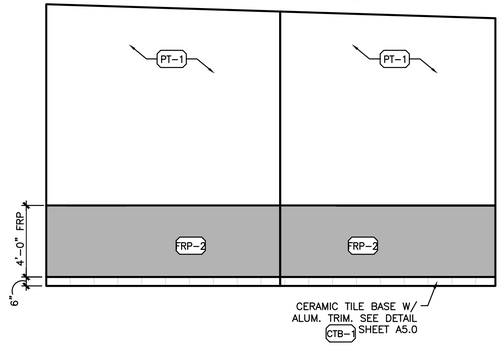
1 A8.2 LARGE DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



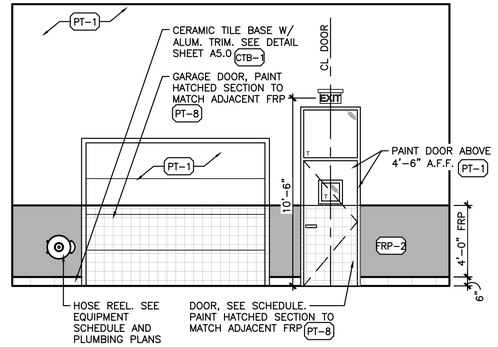
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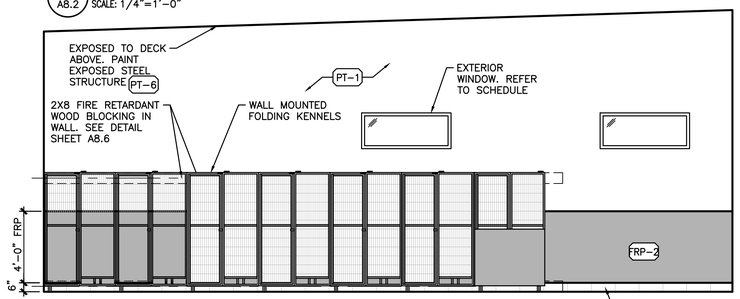
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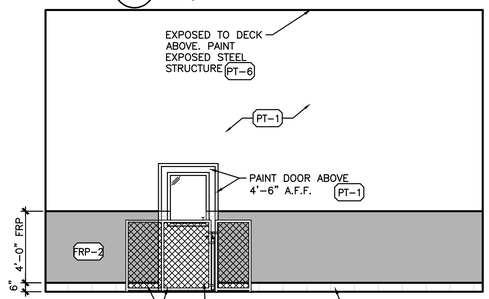
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SCALE: 1/4"=1'-0"



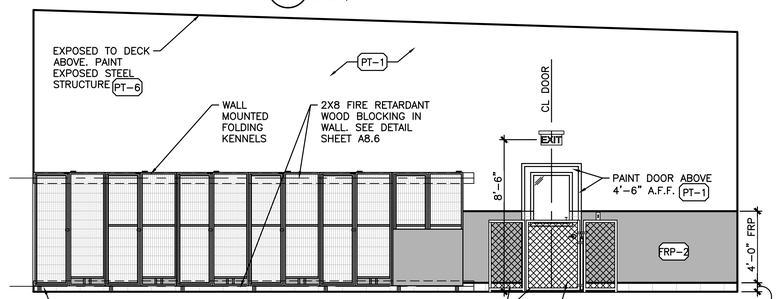
5 A8.2 SMALL DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



3 A8.2 LARGE DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



4 A8.2 LARGE DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

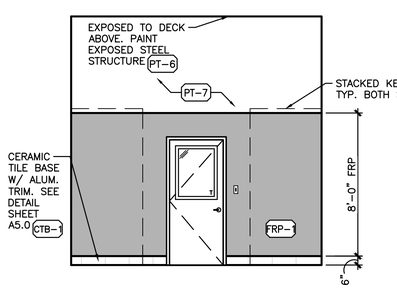


5 A8.2 SMALL DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

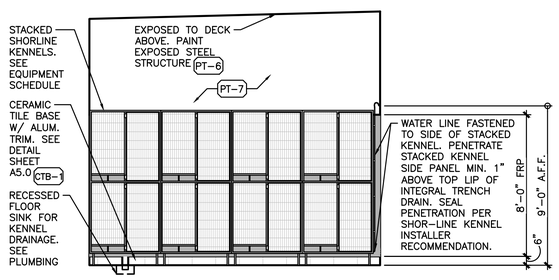
6 A8.2 SMALL DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

7 A8.2 SMALL DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

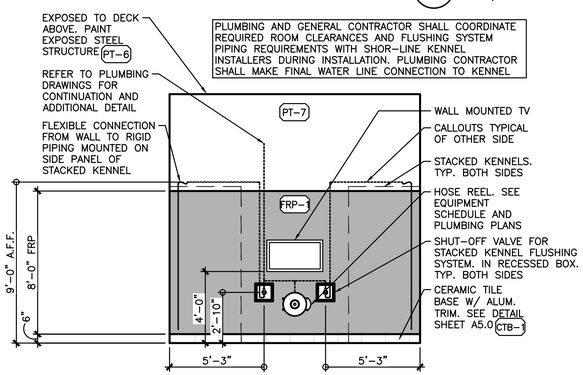
8 A8.2 SMALL DAYCARE BOARDING INTERIOR ELEVATION
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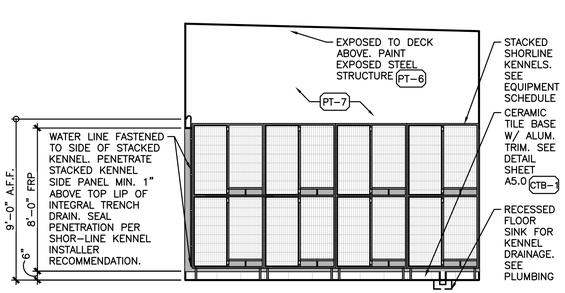
9 A8.2 STACKED KENNEL ROOM ELEV.
SCALE: 1/4"=1'-0"



10 A8.2 STACKED KENNEL ELEV.
SCALE: 1/4"=1'-0"



11 A8.2 STACKED KENNEL ELEV.
SCALE: 1/4"=1'-0"



12 A8.2 STACKED KENNEL ELEV.
SCALE: 1/4"=1'-0"

GPD GROUP
Professional Corporation,
A-20140411131,E-20140413S5,LA-2014004814
520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

petsuites STAY • PLAY

REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER
A-2004032558
ARCHITECT
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

INTERIOR ELEVATIONS

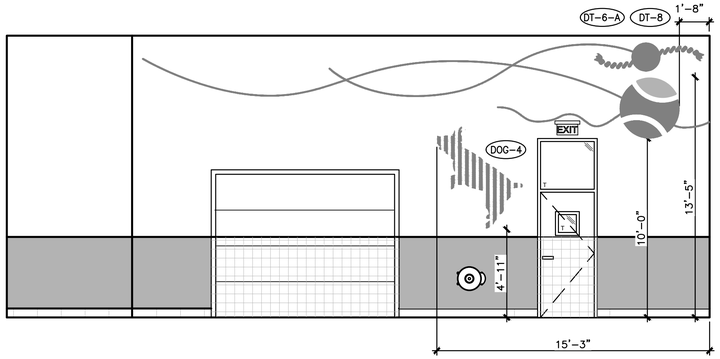
ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

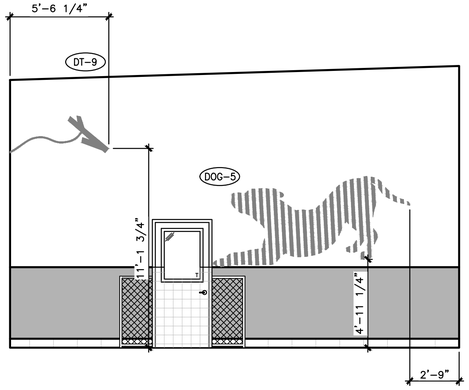
JOB NO.
2020155.27

A8.2

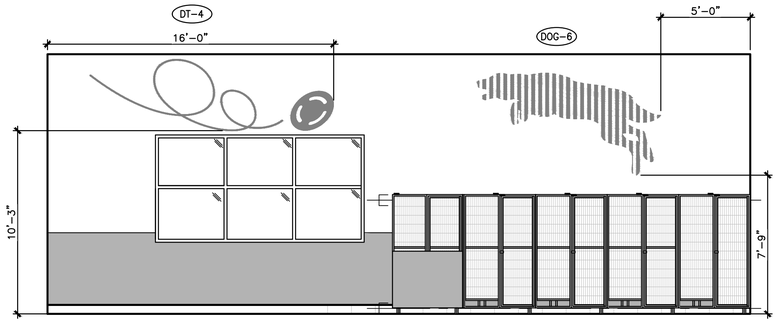
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---- - akolesar

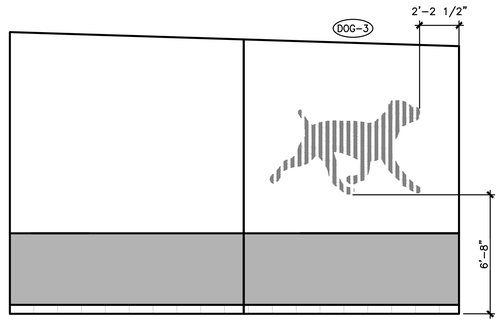


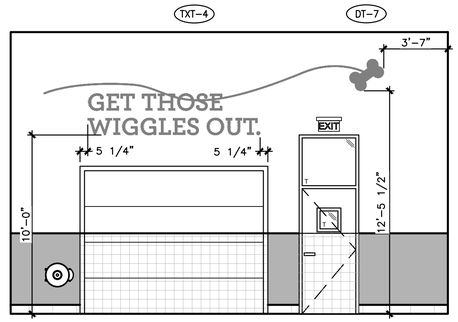
1 A8.2A LARGE DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



2 A8.2A LARGE DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



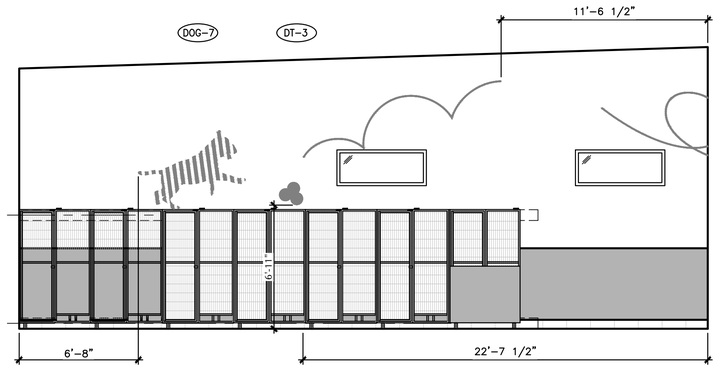


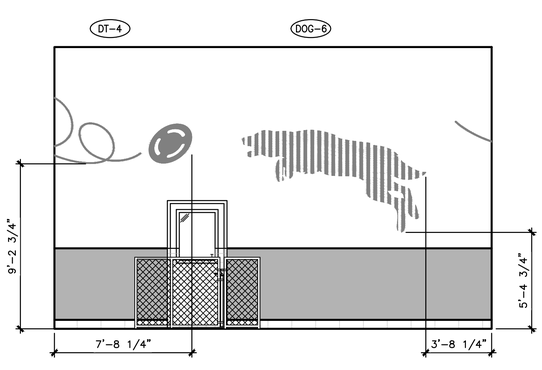


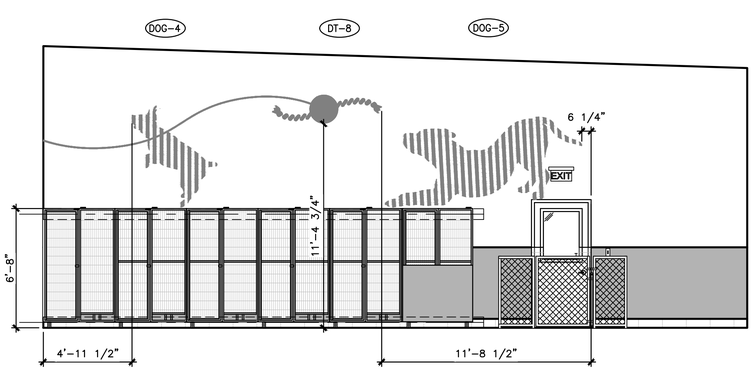
3 A8.2A LARGE DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

4 A8.2A NOT USED
SCALE: 1/4"=1'-0"

5 A8.2A NOT USED
SCALE: 1/4"=1'-0"







6 A8.2A SMALL DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

7 A8.2A SMALL DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

8 A8.2A SMALL DAYCARE BOARDING INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

DESIGNER NOTE:
COORDINATE VINYL WALL ART WITH PET SUITES AND REQUIRED VENDOR. SEE EQUIPMENT TAG #27

NOTE:

VINYL WALL ART IS TO BE INSTALLED BY PETSUITES PREFERRED VENDOR. SEE SCHEDULE ON SHEET A8.3A FOR ADDITIONAL INFORMATION

GPD GROUP
Professional Corporation,
A-2014041131,E-2014041305,LA-2014040814
520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

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REV.	DATE	DESCRIPTION
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Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER
A-2004032558
ARCHITECT

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

INTERIOR ELEVATIONS
GRAPHICS

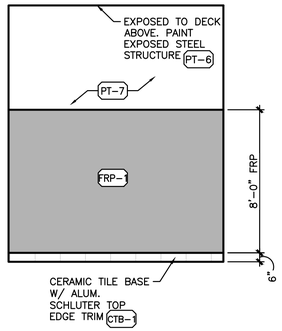
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RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

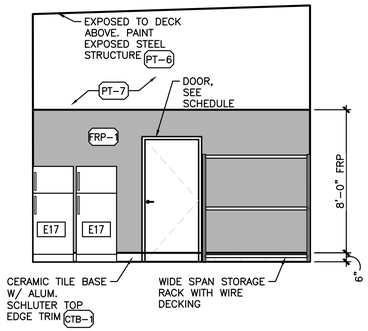
JOB NO.
2020155.27

A8.2A

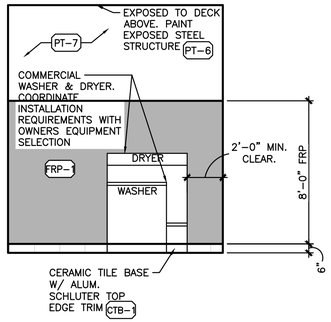
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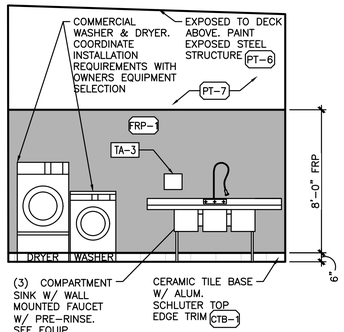
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SCALE: 1/4"=1'-0"



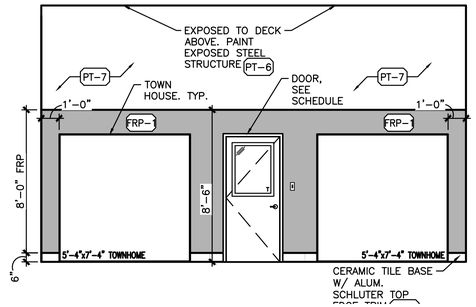
2 A8.3 LAUNDRY ELEVATION
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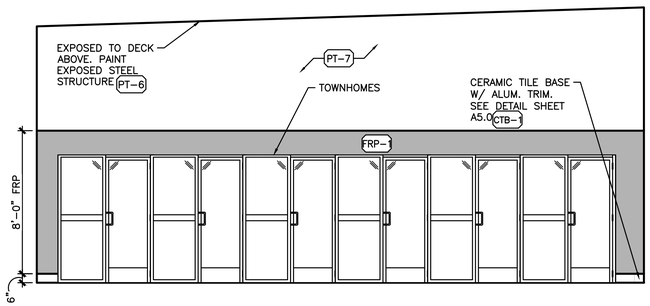
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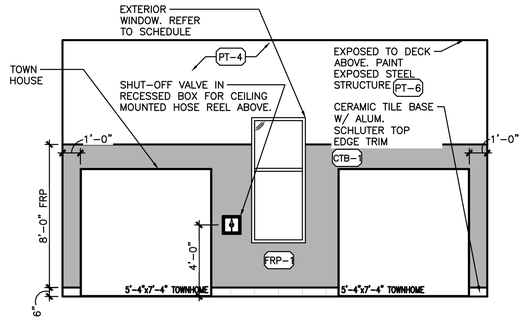
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SCALE: 1/4"=1'-0"



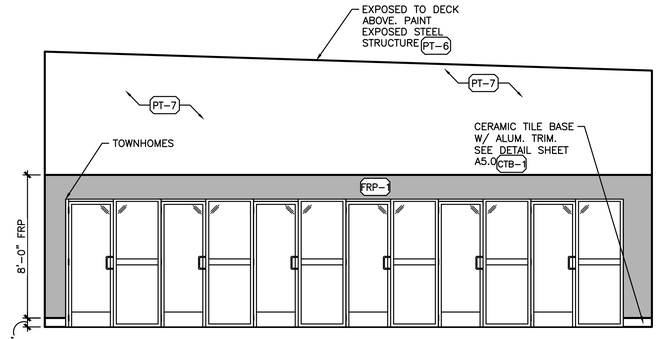
5 A8.3 TOWNHOUSE ELEVATION
SCALE: 1/4"=1'-0"



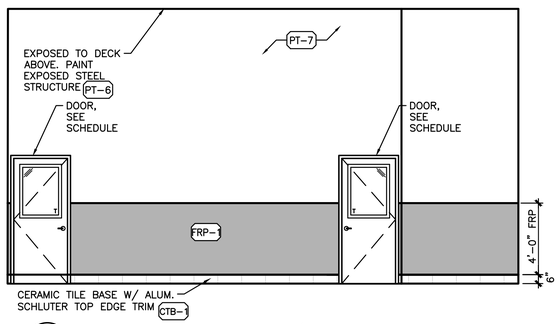
6 A8.3 TOWNHOUSE ELEVATION
SCALE: 1/4"=1'-0"



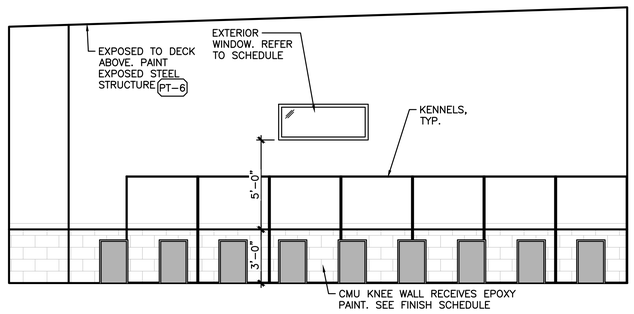
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SCALE: 1/4"=1'-0"



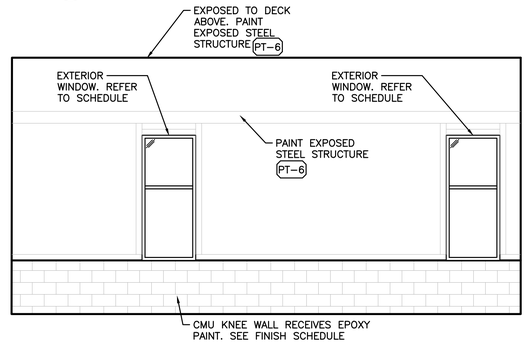
8 A8.3 TOWNHOUSE ELEVATION
SCALE: 1/4"=1'-0"



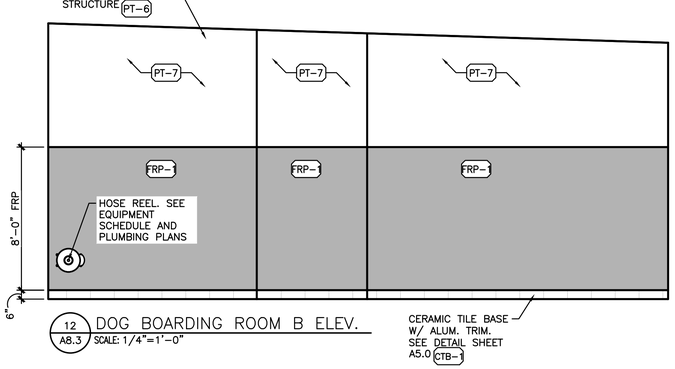
9 A8.3 DOG BOARDING ROOM B / HALLWAY ELEV.
SCALE: 1/4"=1'-0"



10 A8.3 DOG BOARDING ROOM B ELEV.
SCALE: 1/4"=1'-0"



11 A8.3 DOG BOARDING ROOM B ELEV.
SCALE: 1/4"=1'-0"



12 A8.3 DOG BOARDING ROOM B ELEV.
SCALE: 1/4"=1'-0"

ACCESSORIES

BOBRICK OR EQUAL, U.N.O.

TA-3	TOWEL DISPENSER (SUPPLIED BY TOILET ACCESSORY MANUFACTURER.)

GPD GROUP
Professional Corporation,
A-2014041131,E-2014041305,LA-2014040814
520 South Main Street
Akron, OH 44311
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petsuites STAY • PLAY

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Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
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ARCHITECT
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PETSUITES OF AMERICA
250 NW MCNARY CT.
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INTERIOR ELEVATIONS

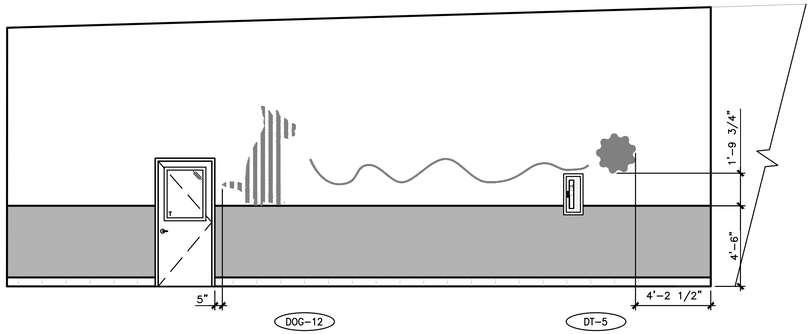
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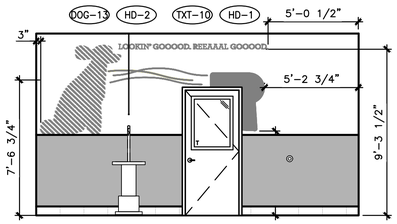
JOB NO. 2020155.27

A8.3

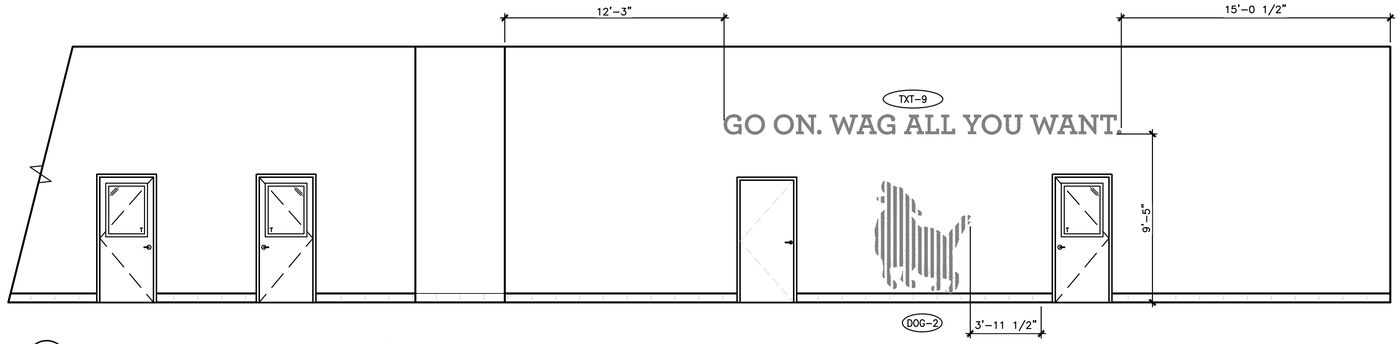
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---- - akolesar



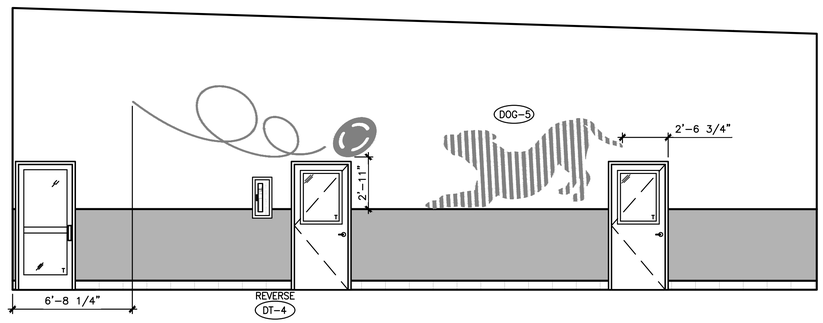
1 / A8.3A LG KENNEL ROOM INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



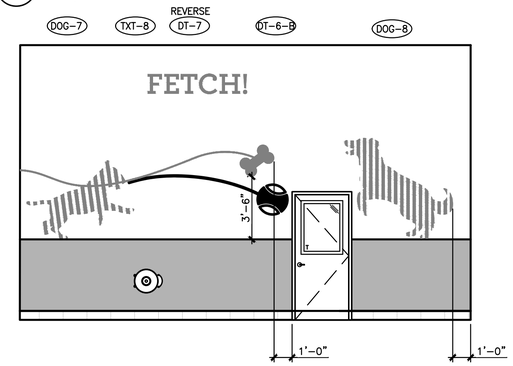
2 / A8.3A GROOMING ROOM INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



3 / A8.3A LG KENNEL ROOM INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



4 / A8.3A LG KENNEL ROOM INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



5 / A8.3A SMALL DAYCARE BOARDING GROUP AT HALLWAY
SCALE: 1/4"=1'-0"

DESIGNER NOTE:
COORDINATE VINYL WALL ART WITH PET SUITES AND REQUIRED VENDOR. SEE EQUIPMENT TAG #27

NOTE:
VINYL WALL ART IS TO BE INSTALLED BY PETSUITES PREFERRED VENDOR.

VINYL GRAPHIC SCHEDULE

NO.	DESCRIPTION	WIDTH	COLOR	REMARKS
TXT-1	FETCH? YES??	6'-0"	GREY	
TXT-2	WE FIGURED.	10'-3"	GREY	
TXT-3	(WE KNOW BETTER.)	8'-9"	GREY	
TXT-4	CATS PLAY SO COY.	8'-6"	GREY	
TXT-5	HAPPY TAIL WAGS SAY IT ALL.	8'-7"	WHITE	
TXT-6	WELL THAT WAS FUN. SEE YOU AGAIN SOON RIGHT?	20'-7"	GREY	
TXT-7	GET THOSE WIGGLES OUT.	12'-10"	GREY	
TXT-8	FETCH!	5'-7"	GREY	
TXT-9	GO ON. WAG ALL YOU WANT. (ONE LINE OF TEXT)	22'-2"	GREY	
TXT-10	LOOKIN' GOOOD. REEAAAL GOOOOD.	8'-5"	GREY	
DOG-1	JUMPING DOG	13'-0"	PLUM	
DOG-2	HOPPING DOG	5'-4"	PLUM	
DOG-3	PRANCING DOG	8'-5"	PLUM	
DOG-4	DOG ON HIND LEGS A	4'-9"	PLUM	
DOG-5	CROUCHING DOG	11'-0"	PLUM	
DOG-6	LEAPING DOG A	10'-3"	PLUM	
DOG-7	DOG ON HIND LEGS B	6'-0"	PLUM	
DOG-8	DOG ON HIND LEGS C	6'-0"	PLUM	
DOG-9	LEAPING DOG B	3'-0"	PLUM	
DOG-10	SHAKING DOG	6'-8"	PLUM	
DOG-11	SITTING DOG A	1'-6"	PLUM	
DOG-12	SITTING DOG B	3'-3"	PLUM	
DOG-13	GROOMING DOG	5'-0"	PLUM	
GRS-C	GRASS GRAPHIC**	VARIES	LIME GREEN	

NO.	DESCRIPTION	WIDTH	COLOR	REMARKS
CAT-1	BENT OVER CAT	9'-1"	PLUM	
CAT-2	PEEPING CAT	1'-5"	PLUM	
CAT-3	CAT ON HIND LEGS	2'-0"	PLUM	
CAT-4	LEANING CAT	3'-10"	PLUM	
CAT-5	LAYING CAT	2'-0"	PLUM	
CT-1	FUZZ CAT TOY	2'-1"	YELLOW	
CT-2	FEATHER TOY	4'-8"	YELLOW	
DT-1	SMALL BALL DOG TOY	10'-9"	YELLOW	
DT-2	BOUNCING TENNIS BALL DOG TOY	14'-6"	YELLOW	
DT-3	BOUNCING DOG TOY	12'-5"	YELLOW	
DT-4	FRISBEE DOG TOY	13'-8"	YELLOW	
DT-5	DIMPLED DOG TOY	18'-3"	YELLOW	
DT-6-A	FLYING TENNIS BALL – LARGE	30'-0"	YELLOW	
DT-6-B	FLYING TENNIS BALL – SMALL	8'-11"	YELLOW	
DT-7	BONE DOG TOY	19'-0"	YELLOW	
DT-8	ROPE & BALL DOG TPY	21'-0"	YELLOW	
DT-9	BRANCH DOG TOY	17'-5"	YELLOW	
SET-1	LARGE DOG & BONE	10'-4"	VARIED	
SET-2	DOG W/ LEASH & 'STAY. SIT. THAT'S IT.'	8'-10"	VARIED	
SET-3	SMALL DOG, TENNIS BALL & 'GOOOD DOG.' TEXT	6'-2"	VARIED	
SET-4	LAYING DOG & HEX DOG DOY	10'-4"	VARIED	
SET-5	DOG ON HIND LEGS & ROPE TOY	5'-11"	VARIED	
HD-1	HAIR DRYER	3'-1"	PLUM	
HD-2	HAIR DRYER AIR	3'-1"	PLUM	

USE THE KEY BELOW TO DECIPHER THE GRAPHIC ID TAGS:
REVERSE X-# (REVERSE)
TXT – INDICATES TEXT GRAPHICS
DOG – INDICATES DOG GRAPHICS
CAT – INDICATES CAT GRAPHICS
DT – INDICATES DOG TOY GRAPHIC
CT – INDICATES CAT TOY GRAPHIC
SET – INDICATES GROUPED SET OF GRAPHICS
REVERSE – INDICATED GRAPHICS TO BE "MIRRORED" OR "REVERSED"
C – CUSTOM SIZE, REFER TO A8.0 FOR DIMENSION

GENERAL NOTE:
ALL GRAPHICS TO BE INSTALLED BY TENANT VENDOR

** GRASS GRAPHICS VARY PER SITE CONDITIONS THAT MAY VARY FROM THE DRAWING. GRAPHICS VENDOR TO CONFIRM FENCE LAYOUT WITH GC & PRODUCE GRAPHICS PER SITE CONDITIONS.

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-	01.29.21	95% CLIENT REVIEW SET

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER
A-2004032558
ARCHITECT
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

INTERIOR ELEVATIONS
GRAPHICS

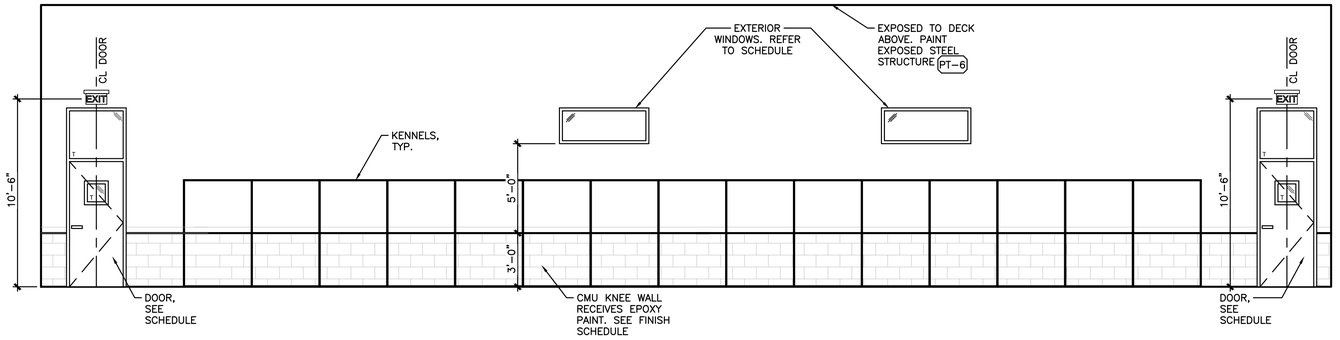
ISSUED FOR:	
PERMIT	01.29.21
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RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

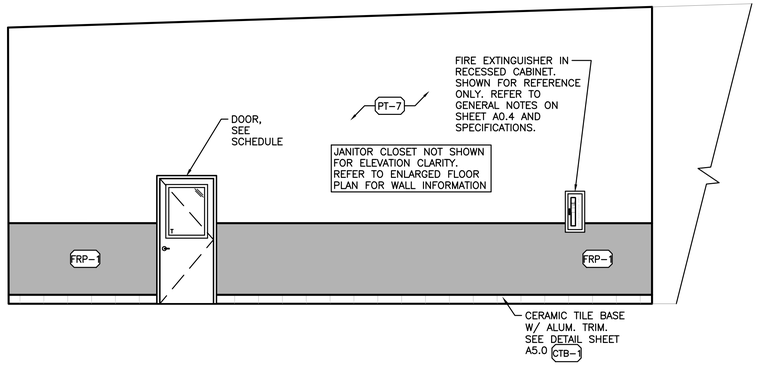
JOB NO.
2020155.27

A8.3A

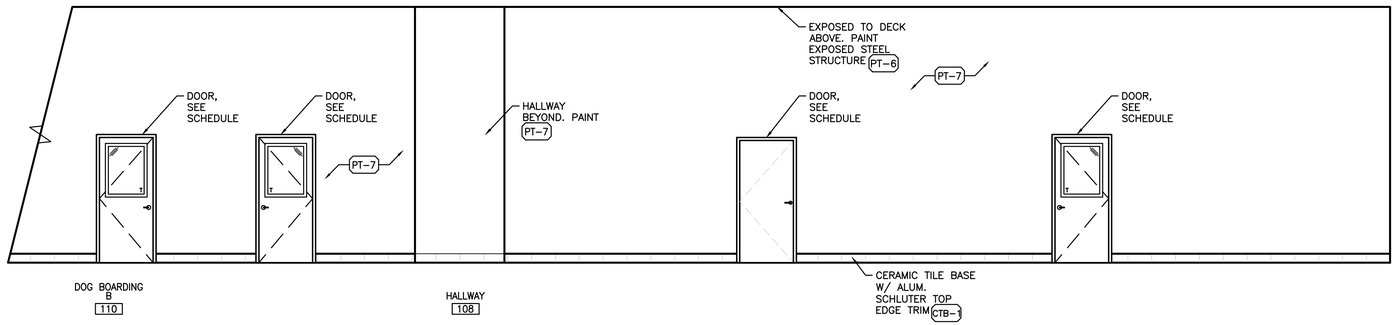
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---- - akottesar



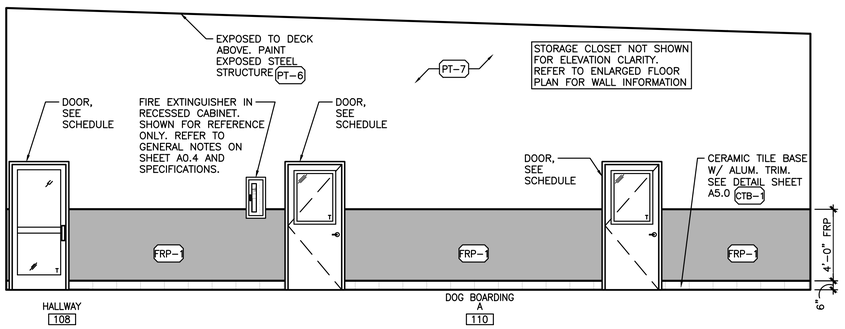
1 A8.4 DOG BOARDING ROOM A ELEV.
SCALE: 1/4"=1'-0"



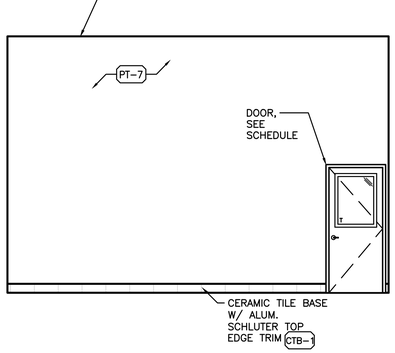
2 A8.4 DOG BOARDING ROOM A / HALLWAY ELEV.
SCALE: 1/4"=1'-0"



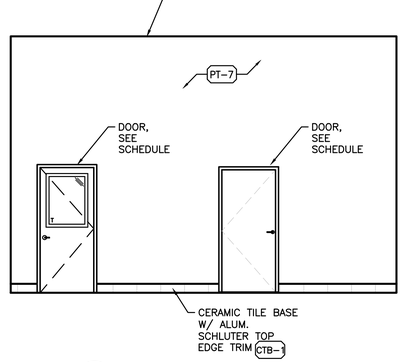
3 A8.4 DOG BOARDING ROOM A / HALLWAY ELEV.
SCALE: 1/4"=1'-0"



4 A8.4 DOG BOARDING ROOM A / HALLWAY ELEV.
SCALE: 1/4"=1'-0"



5 A8.4 HALLWAY ELEV.
SCALE: 1/4"=1'-0"



6 A8.4 HALLWAY ELEV.
SCALE: 1/4"=1'-0"

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ARCHITECT
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LEE'S SUMMIT, MO 64086

INTERIOR ELEVATIONS

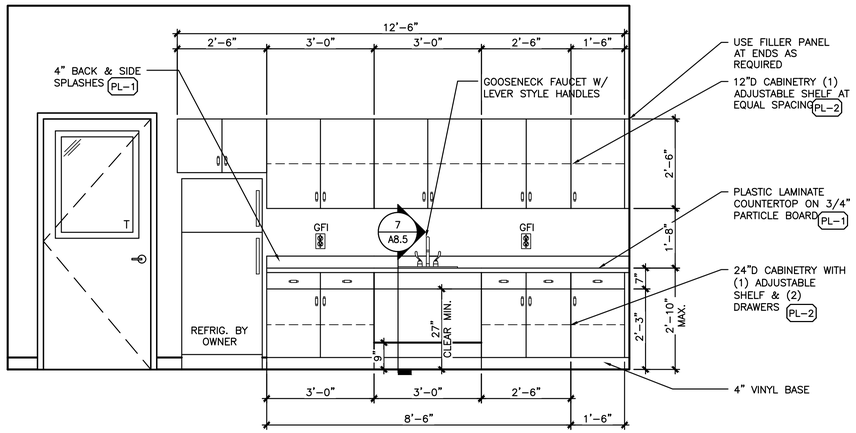
ISSUED FOR:	
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CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO.
2020155.27

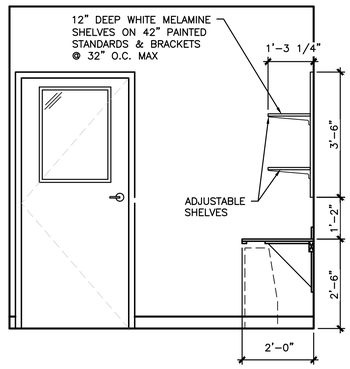
A8.4

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---- - akobesar



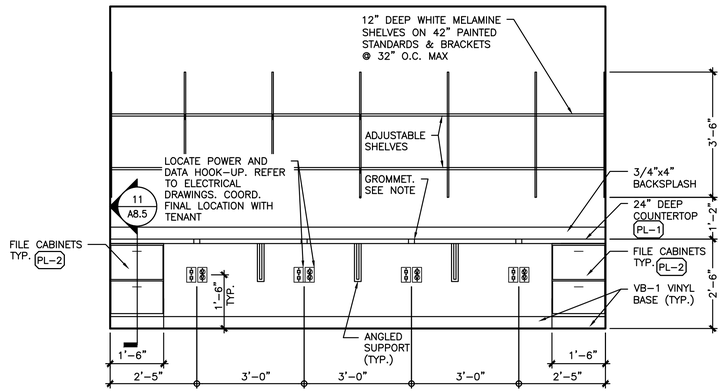
1 A8.5 BREAK ROOM CABINETRY ELEVATION
SCALE: 1/2"=1'-0"

NOTE: COORDINATE REQUIRED BLOCKING WITH MILLWORK SHOP DRAWINGS



2 A8.5 OFFICE CABINETRY ELEVATION
SCALE: 1/2"=1'-0"

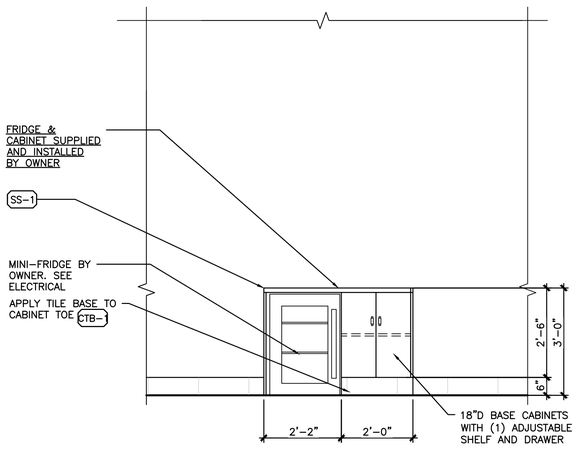
NOTE: COORDINATE REQUIRED BLOCKING WITH MILLWORK SHOP DRAWINGS



3 A8.5 OFFICE CABINETRY ELEVATION
SCALE: 1/2"=1'-0"

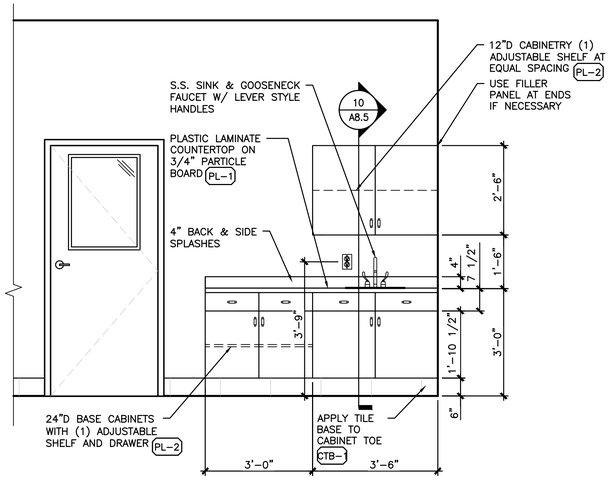
NOTE: SUPPLY 2" DIA. GROMMETS @ 4" OFF WALL O.C., PLACE @ 36" O.C. ALONG WALL

COORDINATE REQUIRED BLOCKING WITH MILLWORK SHOP DRAWINGS



4 A8.5 LOBBY CABINETRY ELEVATION
SCALE: 1/2"=1'-0"

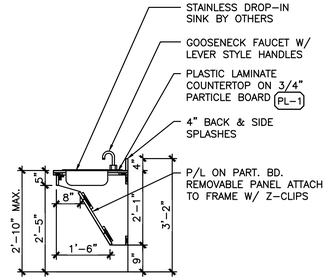
*NOTE: FINISH ALL ENDS W/ MATCHING LAMINATE ON 3/4" PARTICLE BOARD



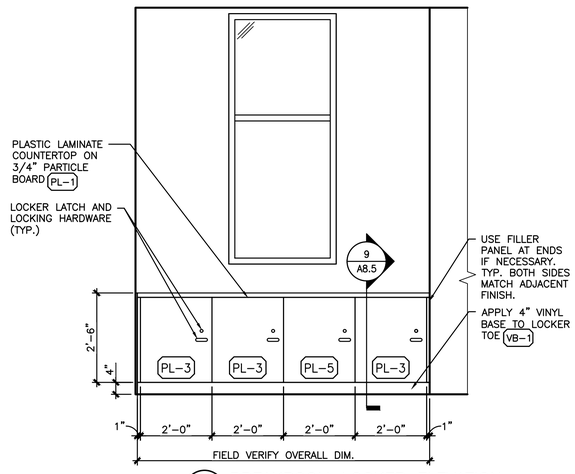
5 A8.5 CAT BOARDING CABINETRY ELEVATION
SCALE: 1/2"=1'-0"

NOTE: COORDINATE REQUIRED BLOCKING WITH MILLWORK SHOP DRAWINGS

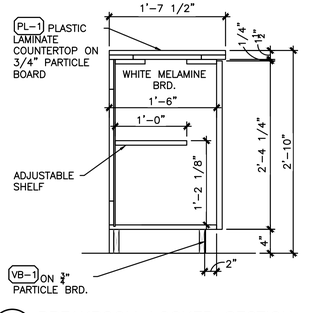
6 A8.5 NOT USED
SCALE: 1/2"=1'-0"



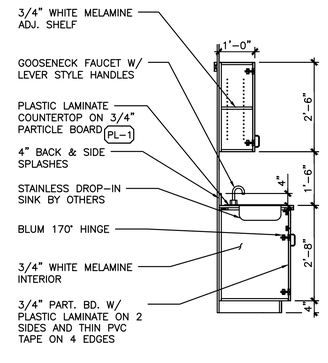
7 A8.5 BREAK ROOM SINK BASE PROFILE
SCALE: 1/2"=1'-0"



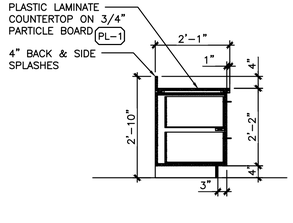
8 A8.5 BREAKROOM LOCKER ELEVATION
SCALE: 1/2"=1'-0"



9 A8.5 BREAKROOM LOCKER SECTION
SCALE: 1"=1'-0"



10 A8.5 CAT BOARDING CABINETRY SECTION
SCALE: 1/2"=1'-0"



11 A8.5 FILE CABINET SECTION
SCALE: 1/2"=1'-0"

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A	XX.XX.21	ADDENDUM 1

Mark S. Salopek – Architect
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MILLWORK ELEVATIONS & SECTIONS

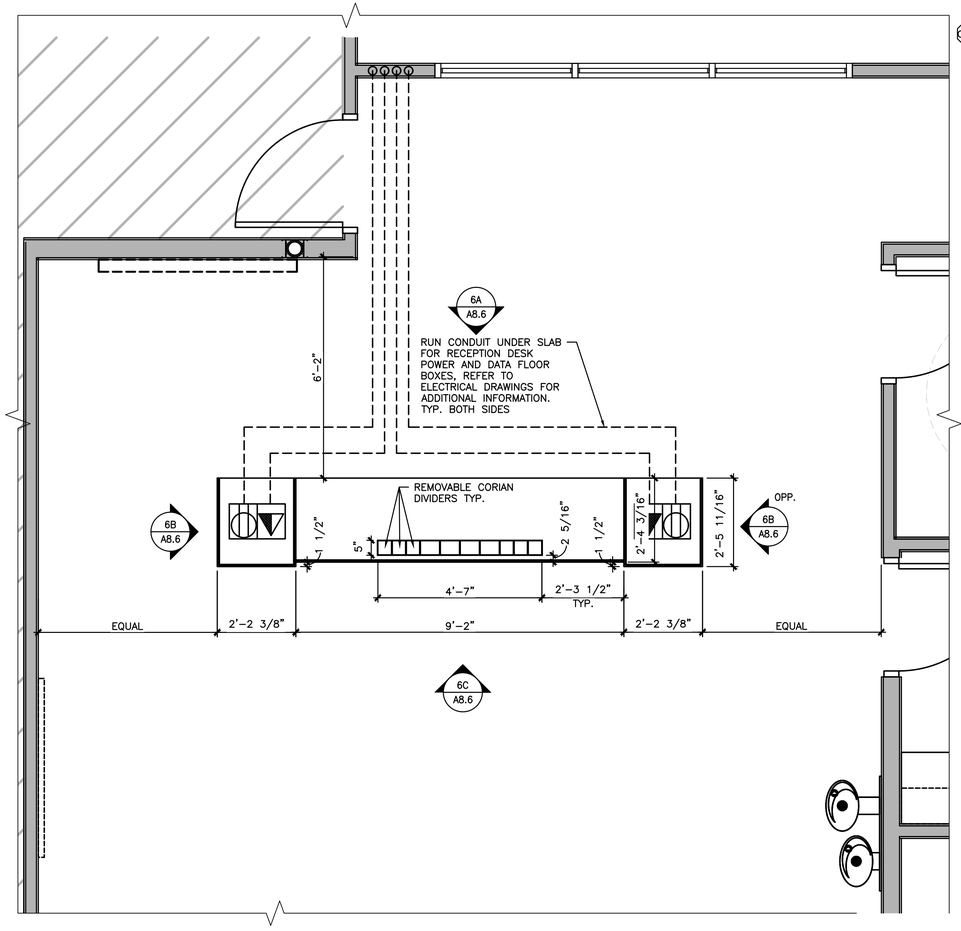
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PROJECT MANAGER	DESIGNER
KMW	MGP

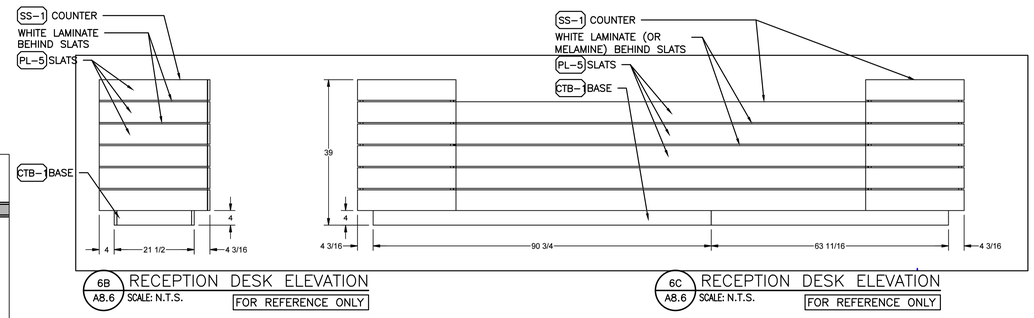
JOB NO.
2020155.27

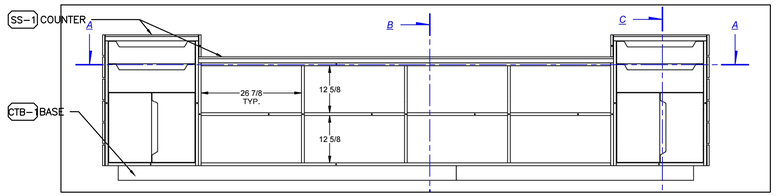
A8.5

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM.Crowley)\4_Working Files\00_CAD\00_Dwg\312_A8.5 MILLWORK ELEVATIONS & SECTIONS.dwg
---- - akoleasr

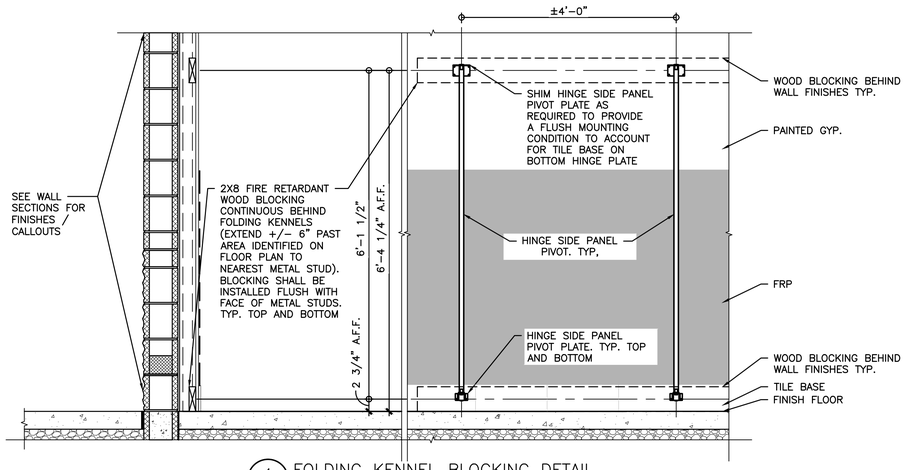


5 A8.6 RECEPTION DESK ENLARGED PLAN
SCALE: 1/4"=1'-0"



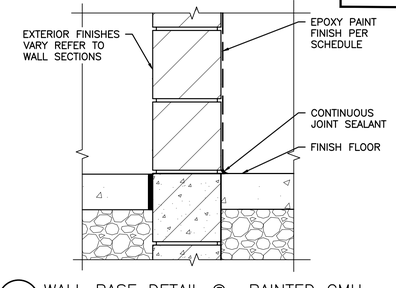


RECEPTION DESK NOTES:
- PL-5 SLATS TO HAVE LAMINATE ON FACE, TOP, & BOTTOM, TYP.
- COUNTER TOPS TO BE INSET / CAPTURED ON FRONT / SIDES BY PL-5 SLATS, TYP.

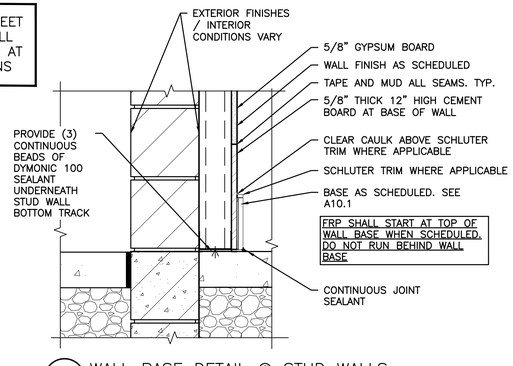


4 A8.6 FOLDING KENNEL BLOCKING DETAIL
SCALE: 3/4"=1'-0"

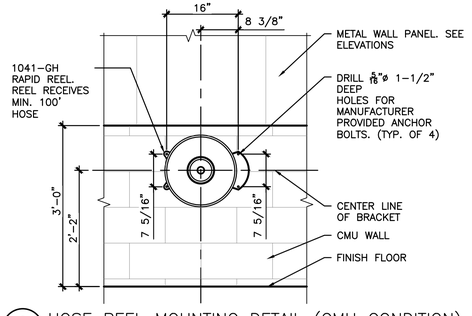
REFER TO SHEET A5.0 FOR WALL BASE DETAILS AT WET LOCATIONS



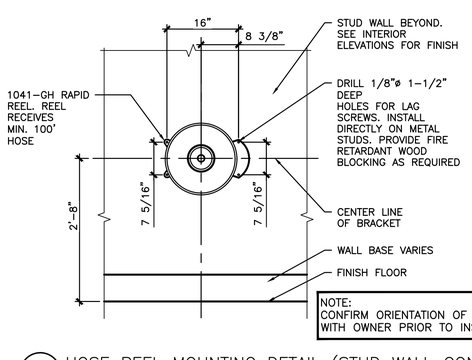
1A A8.6 WALL BASE DETAIL @ PAINTED CMU
SCALE: 1-1/2"=1'-0"



1B A8.6 WALL BASE DETAIL @ STUD WALLS
SCALE: 1-1/2"=1'-0"



2 A8.6 HOSE REEL MOUNTING DETAIL (CMU CONDITION)
SCALE: 3/4"=1'-0"



NOTE:
CONFIRM ORIENTATION OF HOSE REEL WITH OWNER PRIOR TO INSTALLATION

3 A8.6 HOSE REEL MOUNTING DETAIL (STUD WALL CONDITION)
SCALE: 3/4"=1'-0"

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DETAILS

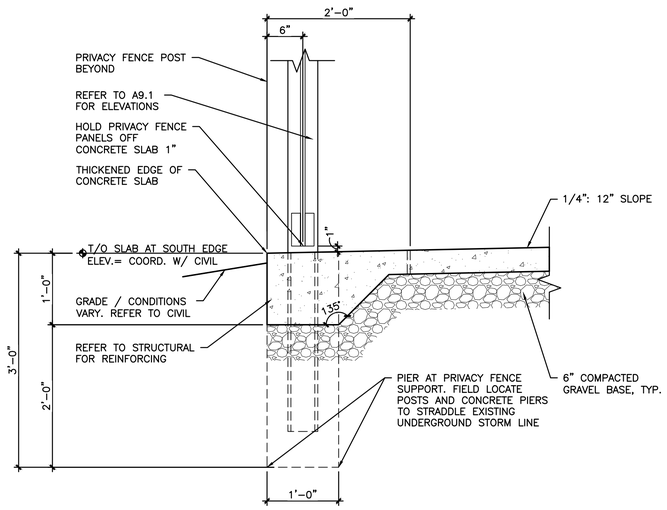
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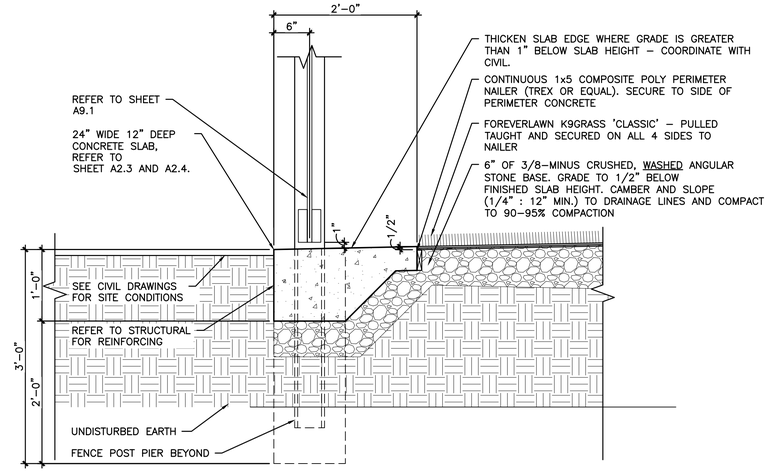
JOB NO.
2020155.27

A8.6

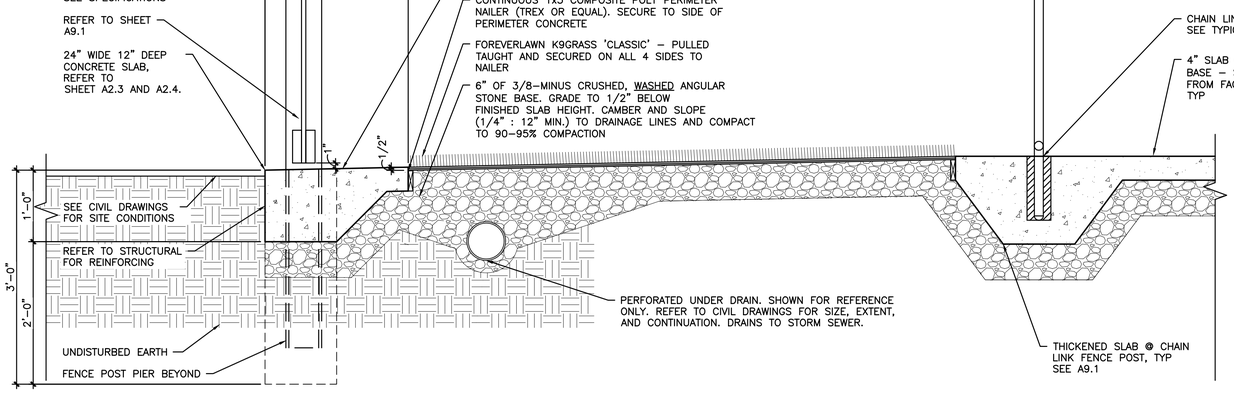
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---- - akotesar



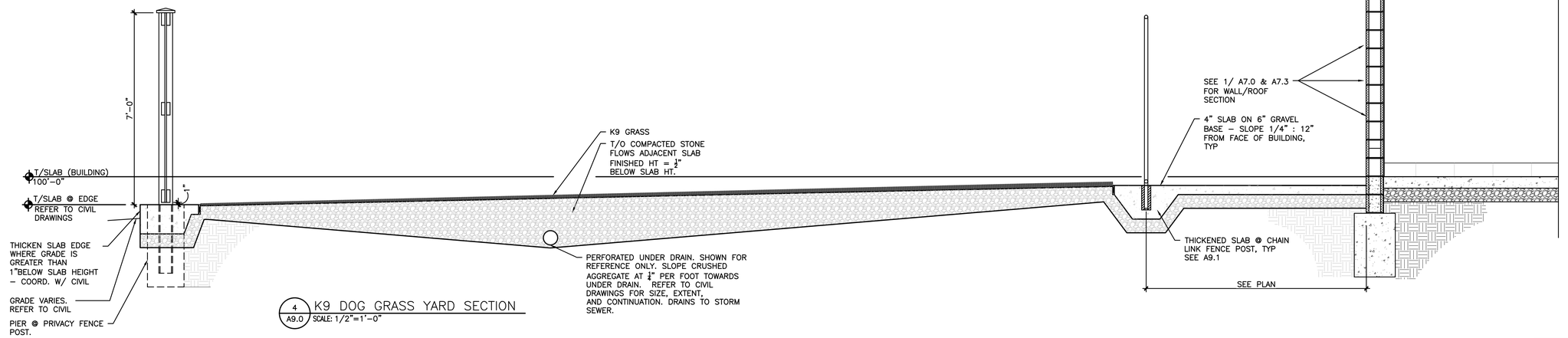
1 A9.0 CONCRETE PLAY / FENCE DETAIL
SCALE: 1"=1'-0"



2 A9.0 K9 DOG GRASS DRAINAGE DETAIL
SCALE: 1"=1'-0"



3 A9.0 K9 PET WALK SECTION DETAIL
SCALE: 1"=1'-0"



4 A9.0 K9 DOG GRASS YARD SECTION
SCALE: 1/2"=1'-0"

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OUTDOOR EXERCISE AREA DETAILS

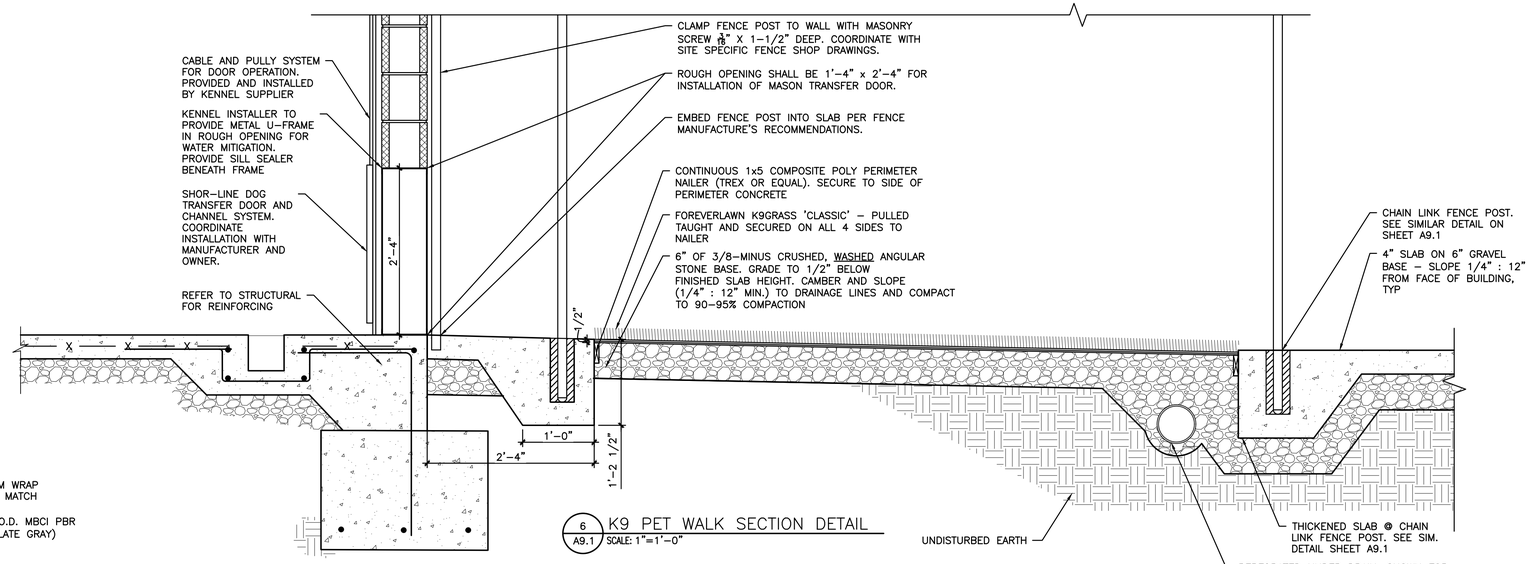
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KMW	MGP

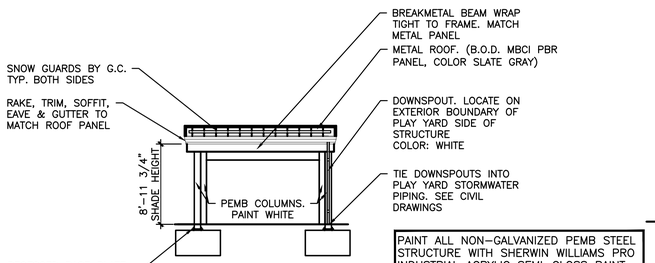
JOB NO.
2020155.27

A9.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\315_A9.0 OUTDOOR EXERCISE AREA DETAILS.dwg
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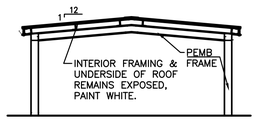


6 A9.1 K9 PET WALK SECTION DETAIL
SCALE: 1"=1'-0"

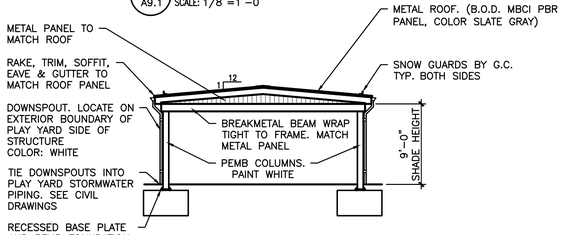


5B A9.1 SHADE STRUCTURE ELEVATION
SCALE: 1/8"=1'-0"

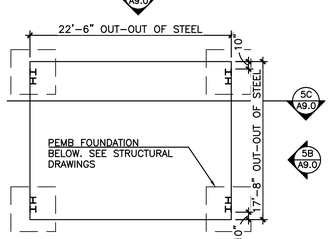
PAINT ALL NON-GALVANIZED PEMB STEEL STRUCTURE WITH SHERWIN WILLIAMS PRO INDUSTRIAL ACRYLIC SEMI-GLOSS PAINT, COLOR: WHITE. REFER TO MANUFACTURERS SPECIFICATIONS FOR APPLICATION PROCEDURES.



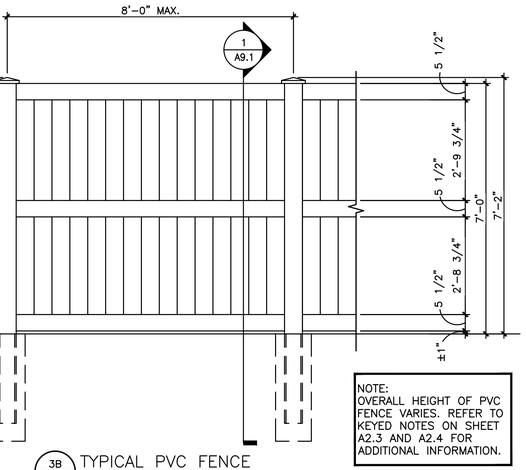
5C A9.1 SHADE STRUCTURE SECTION
SCALE: 1/8"=1'-0"



5A A9.1 SHADE STRUCTURE ELEVATION
SCALE: 1/8"=1'-0"

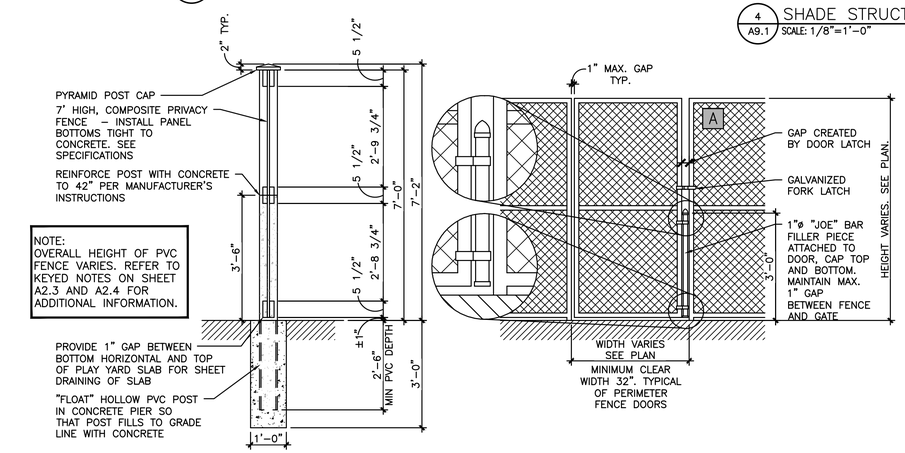


4 A9.1 SHADE STRUCTURE PLAN
SCALE: 1/8"=1'-0"



NOTE:
OVERALL HEIGHT OF PVC FENCE VARIES. REFER TO KEYED NOTES ON SHEET A2.3 AND A2.4 FOR ADDITIONAL INFORMATION.

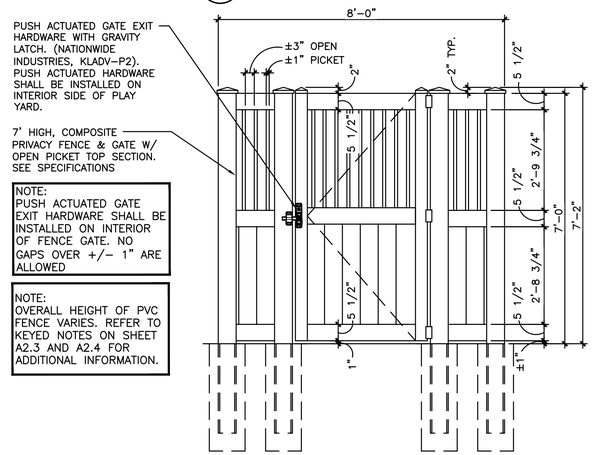
3B A9.1 TYPICAL PVC FENCE
SCALE: 1/2"=1'-0"



NOTE:
ALL CHAIN-LINK FENCING AND GATES TO BE BLACK VINYL COATED AND FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.

1 A9.1 PVC SOLID PRIVACY FENCE
SCALE: 1/2"=1'-0"

2 A9.1 TYPICAL CHAIN LINK FENCING
SCALE: 1/2"=1'-0"



3A A9.1 PVC FENCE W/ OPEN PICKETS
SCALE: 1/2"=1'-0"

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REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER
A-2004032558
ARCHITECT
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

OUTDOOR EXERCISE AREA DETAILS

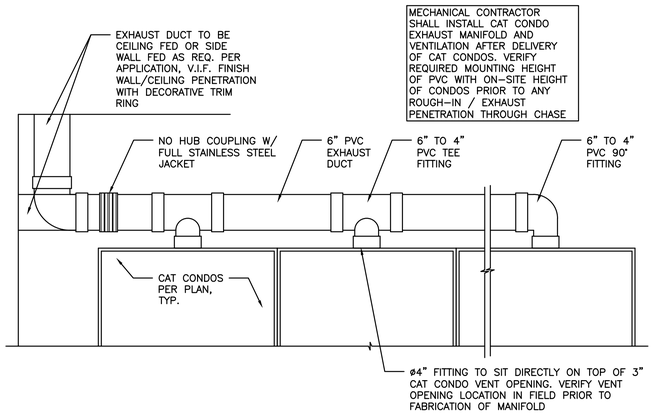
ISSUED FOR:	
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BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO.
2020155.27

A9.1

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\317_A9.1 OUTDOOR EXERCISE AREA DETAILS.dwg
---- - akolesar



3 / A9.2 CAT CONDO EXHAUST MANIFOLD
SCALE: 1"=1'-0"

GENERAL NOTES

A. REFER TO APPROVED SHOR-LINE CAT CONDO DRAWINGS FOR ADDITIONAL INFORMATION
B. EXTERIOR WINDOW OPENINGS AND COLUMN ENCLOSURES TO BE FIELD MEASURED. INFILL ELEMENTS TO BE CUSTOM FIT PER FIELD CONDITIONS.
C. SEE INTERIOR ELEVATIONS ON SHEET A8.2 FOR ADDITIONAL INFORMATION.
D. SEE SHEET M2.0 FOR CAT CONDO VENTILATION DETAILS.
E. SEE ENLARGED FLOOR PLAN ON SHEET A2.5 FOR ADDITIONAL INFORMATION.

BOARDING CALCULATION

INDOOR DOG BOARDING:

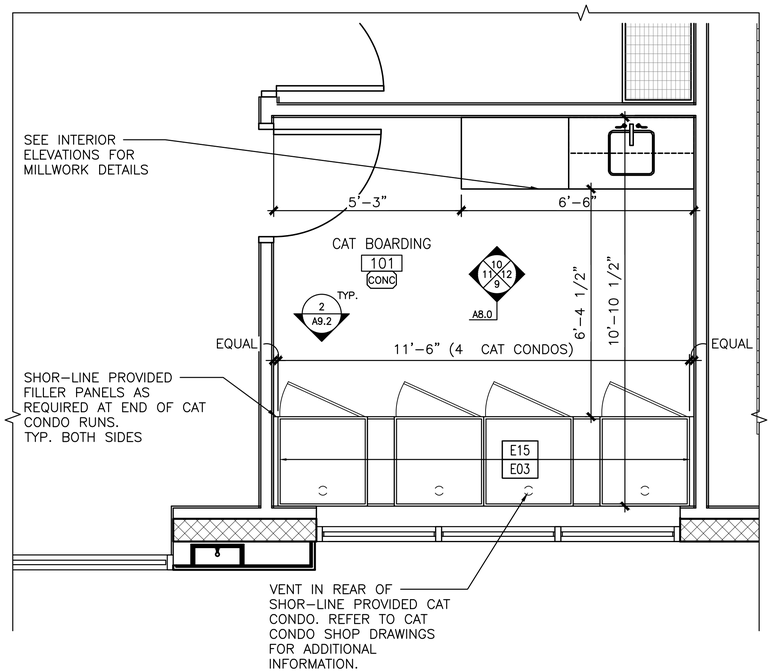
TOTAL FOLDING KENNELS (4'-2" x 4'-2"):	
LARGE DAYCARE GROUP BOARDING	2 EACH
SMALL DAYCARE GROUP BOARDING	11 EACH
FLEX PLAY & TRAIN ROOM	4 EACH
TOTAL:	17 TOTAL
TOTAL LARGE KENNELS (3'-9" x 7'-0"):	
DOG BOARDING A	51 EACH
TOTAL:	51 TOTAL
TOTAL MEDIUM KENNELS (3'-5" x 6'-0"):	
DOG BOARDING B	36 EACH
TOTAL:	36 TOTAL
TOTAL STACKED KENNELS (4'-0" x 4'-0"):	
STACKED KENNEL ROOM	16 EACH
TOTAL:	16 TOTAL
TOTAL TOWNHOMES:	
TOWNHOUSE ROOM (5'-4" x 7'-4")	12 EACH
TOTAL:	12 TOTAL

OUTDOOR DOG HOLDING:

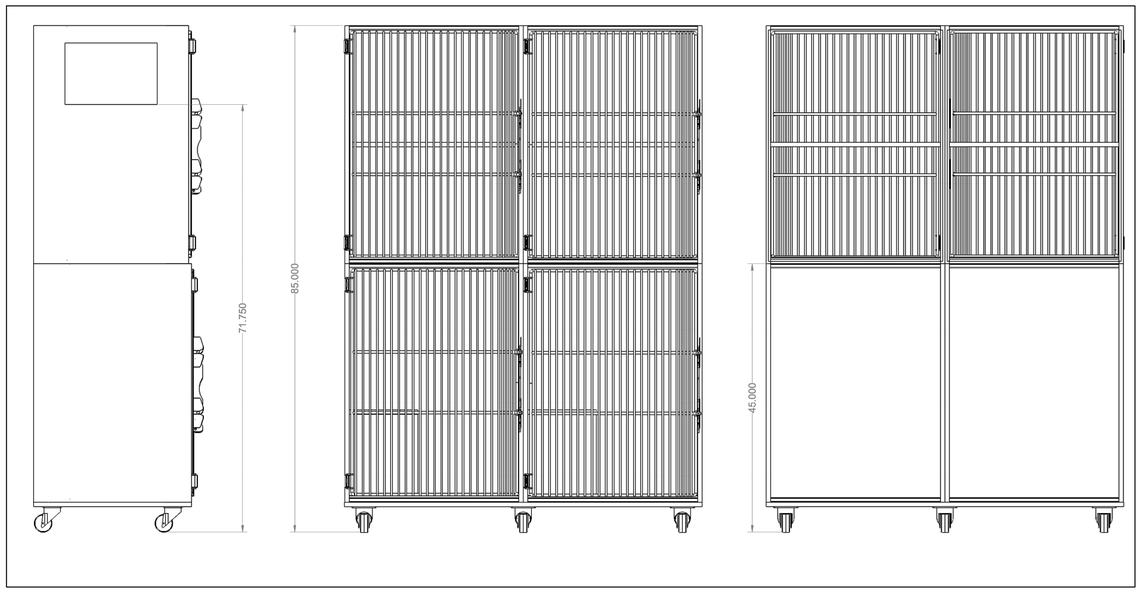
SMALL OUTDOOR KENNEL (3'-0" X 4'-0")	4 EACH
LARGE OUTDOOR KENNEL (SEE PLAN)	12 EACH
TOTAL OUTDOOR DOG BOARDING	16 TOTAL

CAT BOARDING

CAT CONDOS	10 EACH
TOTAL CAT BOARDING:	10 TOTAL



1 / A9.2 ENLARGED CAT CONDO PLAN
SCALE: 1/2"=1'-0"



2 / A9.2 CAT CONDO SHOP DRAWING - ELEVATION (FOR REFERENCE ONLY)
SCALE: N.T.S.

*NOTE: DRAWING ABOVE IS FOR REFERENCE ONLY. CONFIRM CAT CONDO DIMENSIONS WITH SITE SPECIFIC SHOP DRAWINGS
**NOTE: CAT CONDOS AND ASSOCIATED SHOP DRAWINGS TO BE PROVIDED BY SHOR-LINE

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CAT BOARDING PLAN & CAT CONDO DETAILS

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A9.2

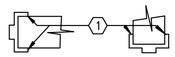
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---- - akoltesar

ABBREVIATIONS

AL	ALUMINUM	HM	HOLLOW METAL
ANOD	ANODIZED	SC	SOLID CORE
CLR	CLEAR	STL	STEEL
T	TEMPERED GLAZING	SV	STAINED AND VARNISHED
GHM	GALVANIZED HOLLOW METAL	WD	WOOD
		BWE	BAKED WHITE ENAMEL
GL	GLASS		

GENERAL NOTES

1. CAULK ALL DOOR JAMB/HEADS AT EDGE ADJOINING GYP. BD. WALL



2. ALL INTERIOR DOORS (W/O CLOSERS ONLY) TO BE EQUIPPED W/ DOOR BUMPERS, AND 1 ½" PAIR BUTT HINGES UNLESS OTHERWISE NOTED.
3. ALL DOOR HARDWARE TO BE LEVER TYPE CONFORMING TO ALL ADA REQUIREMENTS, UNLESS OTHERWISE NOTED.
4. ALL DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90°, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12" FROM THE LATCH IS 5 SECONDS MINIMUM.
5. ALL HOLLOW METAL FRAMES SHALL BE KNOCKDOWN TYPE.

HARDWARE SCHEDULE

HIGHEST GRADE HEAVY DUTY HARDWARE IN DOG BOARDING. SEE SPECIFICATIONS FOR SPECIFIC PRODUCT TYPES

NO.	SET	DESCRIPTION
H-1	ENTRANCE SET	KEYED LOCK TYPE PANIC BAR INSIDE/PULL HANDLE OUTSIDE W/ QUICK RELEASE LATCHING DEVICE WHICH CAN BE DOGGED FOR DAYTIME USE – WITH CLOSER.
H-2	OFFICE SET	PUSH BUTTON LOCKING. PUSH BUTTON LOCKS OUTSIDE LEVER UNTIL UNLOCKED BY A KEY OR BY ROTATING INSIDE LEVER. INSIDE LEVER ALWAYS FREE.
H-3	PRIVACY SET	PUSH BUTTON LOCKING. CAN BE OPENED FROM OUTSIDE WITH SMALL SCREWDRIVER. TURNING INSIDE LEVER OR CLOSING DOOR RELEASES BUTTON.
H-4	PASSAGE SET	BOTH LEVERS RETRACT LATCH BOLT, BOTH LEVERS ALWAYS OPERABLE.
H-5	PUSH / PULL	PUSH BAR / PULL HANDEL W/ CLOSER.
H-6	STOREROOM SET	OUTSIDE LEVER LOCKED OR LEFT UNLOCKED BY KEY. INSIDE LEVER ALWAYS OPERABLE.
H-7	ENTRANCE SET	KEYED LOCK TYPE PANIC BAR INSIDE/PULL HANDLE OUTSIDE W/ QUICK RELEASE LATCHING DEVICE WHICH CAN BE DOGGED FOR DAYTIME USE – WITH CLOSER.
H-8	OVERHEAD DOOR SET	MANUAL ROLLING OVERHEAD DOOR. PROVIDE PULL STRING FOR MANUAL OPERATION. DO NOT INSTALL POWER

GENERAL NOTES:
1. PROVIDE WALL/FLOOR STOPS AS REQUIRED. SEE DOOR SCHEDULE THIS SHEET.
2. ALL EXTERIOR DOORS TO HAVE A THRESHOLD & WEATHER STRIPING
3. KEYED TO BE DETERMINED BY DOOR SCHEDULE KEY LOG (K-1, K-2, ECT...)

DOOR AND HARDWARE SCHEDULE

DOOR NO.	LOCATION	DOOR SIZE	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLASS	DOOR HARDWARE	KEYED ALIKE BY NUMBER	FRAME MAT.	FRAME TYPE	FRAME FINISH	ACCESSORIES CLOSER	ACCESSORIES THRESHOLD	ACCESSORIES SWEEPS	SOUND INSULATION SEALS	PLASTIC SCRATCH GUARD (SIDE)	KICK PLATE (SIDE)	DOOR STOP	REMARKS
100A	LOBBY	(2)3'-0" x 7'-0"	D2	GL/AL	ANOD. AL	TEMPRD	H-1	K-1	AL	C / C1	ANODIZED	YES	YES	YES	–	–	LOBBY	–	DOOR PART OF STOREFRONT SYSTEM.
100B	LOBBY	(2)3'-0" x 7'-0"	D2	GL/AL	ANOD. AL	TEMPRD	H-1	K-2	AL	C / C1	ANODIZED	YES	YES	YES	–	–	LOBBY	–	DOOR PART OF STOREFRONT SYSTEM. VERIFY HARDWARE / KEYING REQUIREMENTS WITH FUTURE TENANT.
100C–E	FUTURE TENANT	3'-0" x 7'-0"	D8	GHM/GL	PAINT PT-7**	TEMPRD	H-7	K-2	GHM	F2	PAINT PT-7**	YES	YES	YES	–	–	BOTH	–	VERIFY HARDWARE / KEYING REQUIREMENTS WITH FUTURE TENANT.
100F	LOBBY	3'-0" x 7'-0"	D4	GL/AL	ANOD. AL	TEMPRD	H-5	K-2	AL	F1	ANODIZED	YES	–	–	YES	–	–	YES	VERIFY HARDWARE / KEYING REQUIREMENTS WITH FUTURE TENANT.
101	CAT BOARDING	3'-0" x 7'-0"	D3	SC MAPLE/GL	CLEAR STAIN	TEMPRD	H-4	–	HM	F1	PAINT PT-7**	YES	–	–	–	–	–	YES	
102	UNISEX (RM.102)	3'-0" x 7'-0"	D1	SC MAPLE	CLEAR STAIN	–	H-3	–	HM	F1	PAINT PT-7**	YES	–	–	–	–	–	YES	1" UNDERCUT FOR AIRFLOW
103	STORAGE (RM.103)	3'-0" x 7'-0"	D1	SC MAPLE	CLEAR STAIN	–	H-6	K-5	HM	F1	PAINT PT-7**	–	–	–	–	–	–	YES	1" UNDERCUT FOR AIRFLOW
104	OFFICE	3'-0" x 7'-0"	D3	SC MAPLE/GL	CLEAR STAIN	TEMPRD	H-2	K-3	AL	F1	ANODIZED	–	–	–	YES	–	–	YES	
104A	IT CLOSET	3'-0" x 7'-0"	D1	SC MAPLE	CLEAR STAIN	–	H-6	K-4	HM	F1	PAINT PT-7**	–	–	–	–	–	–	YES	1" UNDERCUT FOR AIRFLOW
105	TOWNHOUSE ROOM*	3'-0" x 7'-0"	D3	GHM/GL	PAINT PT-7**	TEMPRD	H-4	–	GHM	F1	PAINT PT-7**	YES	–	YES	YES	–	–	YES	FULLY OPEN DOOR SWING PER PLAN. CLOSER SHALL BE PROVIDED WITH 180° HOLD-OPEN POSITION.
106	VESTIBULE	3'-0" x 7'-0"	D4	GL/AL	ANOD. AL	TEMPRD	H-5	–	AL	F1	ANODIZED	YES	–	–	YES	–	–	YES	
107	FLEX PLAY*	3'-0" x 7'-0"	D3	GHM/GL	PAINT PT-7**	TEMPRD	H-4	–	GHM	F1	PAINT PT-7**	YES	–	YES	YES	–	–	YES	
108A	LARGE DAYCARE GROUP BOARD*	3'-0" x 7'-0"	D3	GHM/GL	PAINT PT-7**	TEMPRD	H-4	–	GHM	F1	PAINT PT-7**	YES	–	YES	YES	–	–	–	FULLY OPEN DOOR SWING PER PLAN. CLOSER SHALL BE PROVIDED WITH 180° HOLD-OPEN POSITION.
108B	LARGE DAYCARE GROUP BOARD*	3'-0" x 7'-0"	D8	GHM/GL	PAINT PT-7**	TEMPRD	H-7	K-1	GHM	F2	PAINT PT-7**	YES	YES	YES	–	–	BOTH	–	
108C	LARGE DAYCARE GROUP BOARD.	10'-0" x 8'-0"	D7	STL	PAINTED**	–	H-8	–	–	–	–	–	–	YES	–	–	–	–	B.O.D. CLOPAY 3718 FLUSH PANEL MANUAL OPERATED DOOR (STUCCO EMBOSSED). PROVIDE PULL STRING FOR MANUAL OPERATION. COLOR: SEE INTERIOR ELEVATIONS FOR PAINT COLOR** & SEE SHEET A6.0.
109	LAUNDRY*	3'-0" x 7'-0"	D1	GHM	PAINT PT-7**	–	H-4	–	GHM	F1	PAINT PT-7**	–	–	–	–	–	–	YES	DOOR TO BE ¾ HOUR FIRE RATED
110	UTILITY ROOM*	3'-0" x 7'-0"	D1	GHM	PAINT PT-7**	–	H-4	–	GHM	F1	PAINT PT-7**	–	–	–	–	–	–	YES	1" UNDERCUT FOR AIRFLOW
111	UNISEX (RM.113)*	3'-0" x 7'-0"	D1	GHM	PAINT PT-7**	–	H-3	–	GHM	F1	PAINT PT-7**	YES	–	–	–	–	–	YES	1" UNDERCUT FOR AIRFLOW
112	GROOMING*	3'-0" x 7'-0"	D3	GHM/GL	PAINT PT-7**	TEMPRD	H-4	–	GHM	F1	PAINT PT-7**	YES	–	–	YES	–	–	YES	
113	BATHING*	3'-0" x 7'-0"	D3	GHM/GL	PAINT PT-7**	TEMPRD	H-4	–	GHM	F1	PAINT PT-7**	YES	–	–	YES	–	–	YES	
114	DRYING*	3'-0" x 7'-0"	D3	GHM/GL	PAINT PT-7**	TEMPRD	H-4	–	GHM	F1	PAINT PT-7**	YES	–	–	YES	–	–	YES	FULLY OPEN DOOR SWING PER PLAN. CLOSER SHALL BE PROVIDED WITH 180° HOLD-OPEN POSITION.
115	BREAK ROOM*	3'-0" x 7'-0"	D3	GHM/GL	PAINT PT-7**	TEMPRD	H-4	–	GHM	F1	PAINT PT-7**	–	–	–	YES	–	–	YES	
116	JANITOR CLOSET	2'-6" x 7'-0"	D1	GHM	PAINT PT-7**	–	H-6	–	GHM	F1	PAINT PT-7**	YES	–	–	–	–	–	YES	
117	STACKED KENNEL*	3'-0" x 7'-0"	D3	GHM/GL	PAINT PT-7**	TEMPRD	H-4	–	GHM	F1	PAINT PT-7**	YES	–	YES	YES	–	–	YES	FULLY OPEN DOOR SWING PER PLAN. CLOSER SHALL BE PROVIDED WITH 180° HOLD-OPEN POSITION.
118A–B	SMALL DAYCARE GROUP BOARD*	3'-0" x 7'-0"	D3	GHM/GL	PAINT PT-7**	TEMPRD	H-4	–	GHM	F1	PAINT PT-7**	YES	–	YES	YES	–	–	YES	FULLY OPEN DOOR SWING PER PLAN. CLOSER SHALL BE PROVIDED WITH 180° HOLD-OPEN POSITION.
118C	SMALL DAYCARE GROUP BOARD*	10'-0" x 8'-0"	D7	STL	PAINTED**	–	H-8	–	–	–	–	–	–	YES	–	–	–	–	B.O.D. CLOPAY 3718 FLUSH PANEL MANUAL OPERATED DOOR (STUCCO EMBOSSED). PROVIDE PULL STRING FOR MANUAL OPERATION. COLOR: SEE INTERIOR ELEVATIONS FOR PAINT COLOR** & SEE SHEET A6.0.
118D	SMALL DAYCARE GROUP BOARD*	3'-0" x 7'-0"	D8	GHM/GL	PAINT PT-7**	TEMPRD	H-7	K-1	GHM	F2	PAINT PT-7**	YES	YES	YES	–	–	BOTH	–	
118E–F	DOG BOARDING B	3'-0" x 7'-0"	D3	GHM/GL	PAINT PT-7**	TEMPRD	H-4	–	GHM	F1	PAINT PT-7**	YES	–	YES	YES	–	–	YES	
118G–O	DOG BOARDING B	1'-5" x 2'-4"	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	DOOR AND ASSOCIATED HARDWARE TO BE PROVIDED AND INSTALLED BY SHOR-LINE
119A–C	HALLWAY*	3'-0" x 7'-0"	D8	GHM/GL	PAINT PT-7**	TEMPRD	H-7	K-1	GHM	F2	PAINT PT-7**	YES	YES	YES	–	–	BOTH	–	
120	ELECTRICAL ROOM	3'-0" x 7'-0"	D1	GHM/GL	PAINT PT-7**	–	H-6	K-6	GHM	F1	PAINT PT-7**	–	–	–	–	–	–	–	

* GALVANIZED, SUPER HEAVY DUTY, COMMERCIAL GRADE DOOR.
** USE IMPACT RESISTANT PRO INDUSTRIAL PAINT PER SPECIFICATION. PAINT PT-7 ON INTERIOR U.N.O ON INTERIOR ELEVATIONS. REFER TO EXTERIOR ELEVATIONS FOR EXTERIOR PAINT FINISH.

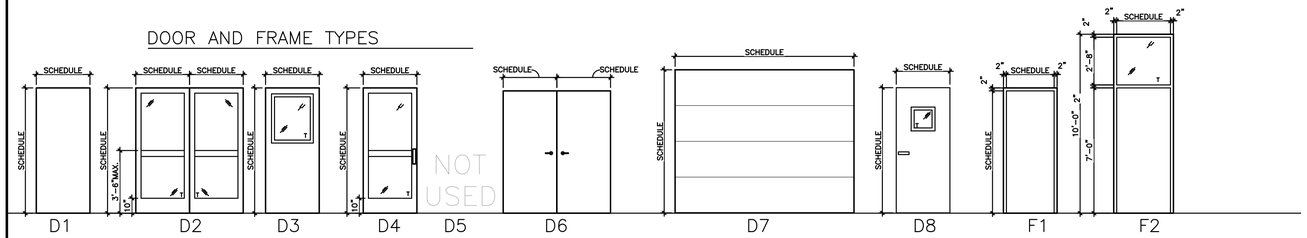
WINDOW SCHEDULE

NO.	SIZE	TYPE	MATERIAL	FINISH	DETAILS HEAD	DETAILS SILL	DETAILS JAMB	REMARKS
A	3'-0" X 6'-8" (NOMINAL)	FIXED	ALUM.	ANODIZED	–	–	–	CLEAR ANODIZED
B	10'-2" X 6'-8" (NOMINAL)	FIXED	ALUM.	ANODIZED	–	–	–	CLEAR ANODIZED
C	18'-4" X 10'-0" (NOMINAL)	STOREFRONT	ALUM.	ANODIZED	–	–	–	CLEAR ANODIZED
C1	24'-8" X 10'-0" (NOMINAL)	STOREFRONT	ALUM.	ANODIZED	–	–	–	CLEAR ANODIZED
D	5'-0" X 6'-8" (NOMINAL)	FIXED	ALUM.	ANODIZED	–	–	–	CLEAR ANODIZED
E	5'-0" X 2'-0" (NOMINAL)	FIXED	ALUM.	ANODIZED	–	–	–	CLEAR ANODIZED
F	SEE ELEVATION	FIXED	ALUM.	ANODIZED	–	–	–	CLEAR ANODIZED, KEYNOTE A

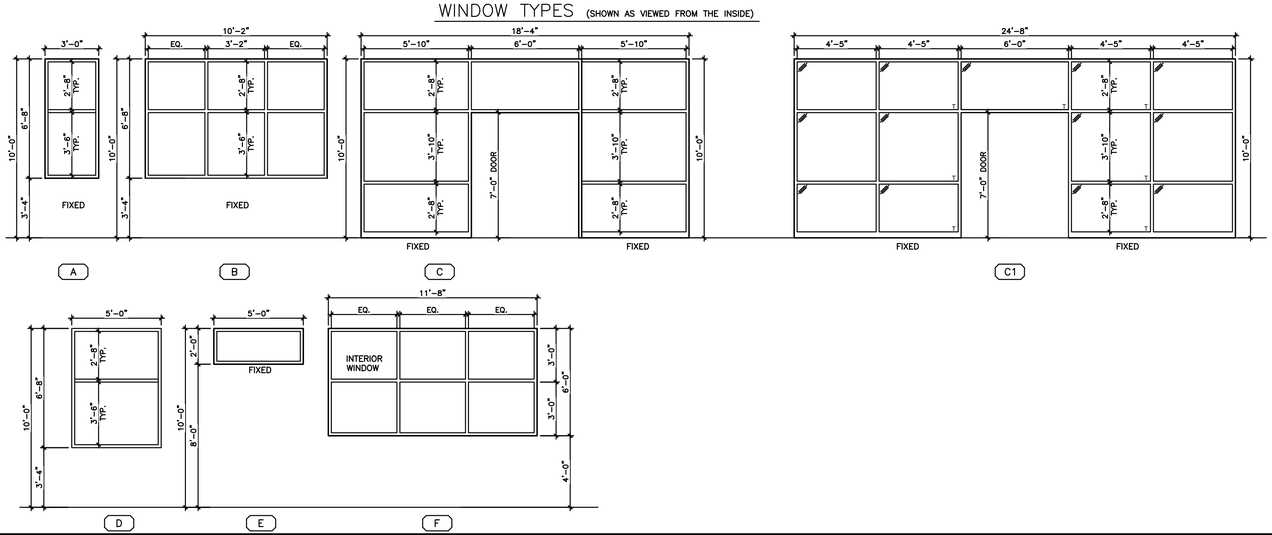
GENERAL NOTES:
1. ALL EXTERIOR WINDOWS SHALL BE DOUBLE PANE ALUMINUM WINDOWS U.N.O. WINDOW THERMAL VALUE SHALL MEET OR EXCEEDED MINIMUM U-VALUE AND SHGC VALUE AS REQUIRED BY GOVERNING ENERGY CODE.
2. ALL INTERIOR WINDOWS SHALL BE ALUMINUM CLEAR ANODIZED U.N.O.
3. SEE EXTERIOR AND INTERIOR ELEVATIONS FOR LOCATIONS OF TEMPERED GLASS.
4. SELECT EXTERIOR WINDOWS RECEIVE UV FILM NATURAL 20. REFER TO SHEET A2.1 AND A2.2 FOR LOCATIONS AND SHEET A0.3 FOR REQUIRED VENDOR.

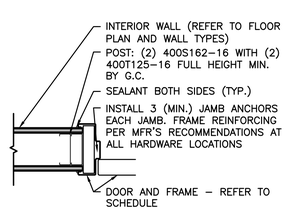
KEYED NOTES:
A. SELECT INTERIOR WINDOWS RECEIVE ONE-WAY REFLECTIVE FILM TO RESTRICT VIEW FROM INDOOR PLAY AREAS TO PUBLIC AREAS (B.O.D. CONTRAVISION REFLECTIVE / MIRRORED FILMS). SEE ENLARGED PLANS FOR WINDOWS AFFECTED.

DOOR AND FRAME TYPES

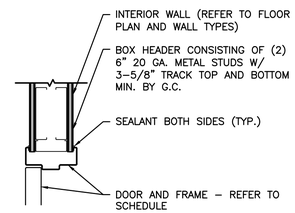


WINDOW TYPES (SHOWN AS VIEWED FROM THE INSIDE)





1 A10.0 TYP. JAMB DETAIL (INTERIOR)
SCALE: 1-1/2"=1'-0"



2 A10.0 TYP. HEAD DETAIL (INTERIOR)
SCALE: 1-1/2"=1'-0"

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Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\330_A10.0 DOOR & HARDWARE SCHEDULE & DETAILS.dwg
---- - skoltesar

FINISH LEGEND

SECTION	ABBREVIATION	PRODUCT MANUFACTURE/DESCRIPTION	MODEL/COLOR	NOTES
WALLS	PT–1	SHERWIN WILLIAMS	PETSUITES LIME GREEN	SHERWIN WILLIAMS NATIONAL ACCOUNT CUSTOM COLOR / PAINT TO BE EPOXY WHEN USED ON CMU WALL
	PT–2	SHERWIN WILLIAMS	PETSUITES DARK GREEN	SHERWIN WILLIAMS NATIONAL ACCOUNT CUSTOM COLOR
	PT–3	SHERWIN WILLIAMS	PETSUITES YELLOW	SHERWIN WILLIAMS NATIONAL ACCOUNT CUSTOM COLOR / PAINT TO BE EPOXY WHEN USED ON CMU WALL
	PT–4	SHERWIN WILLIAMS	PETSUITES MODERN PLUM	SHERWIN WILLIAMS NATIONAL ACCOUNT CUSTOM COLOR / PAINT TO BE EPOXY WHEN USED ON CMU WALL
	PT–6	SHERWIN WILLIAMS	DRY–FALL PAINT AT EXPOSED STEEL STRUCTURE, SW 7005 PURE WHITE	FOR EXPOSED PRE–ENGINEERED METAL BUILDING, DUCT WORK, CONDUIT, PIPING, AND ANY EXPOSED BLOCKING / UNISTRUTS / FRAMING IN EXPOSED CEILING AREAS
	PT–7	SHERWIN WILLIAMS	SW 7656 RHINESTONE	WALLS & TRIM / PAINT TO BE EPOXY PAINT WHERE USED ON CMU WALL
	PT–8	SHERWIN WILLIAMS	SW 6255 MORNING FOG	REFER TO PLAY AREA INTERIOR ELEVATIONS
ACOUSTICAL CEILING TILE	ACT–1	USG INTERIORS	FROST CLIMAPLUS, #414 – 2' X 2' – REVEAL – WHITE	REFER TO FINISH SCHEDULE FOR LOCATIONS
	ACT–2	USG INTERIORS	RADAR CLIMAPLUS, #2220 – 2' X 2' – SQUARE – WHITE	REFER TO FINISH SCHEDULE FOR LOCATIONS
GYPSUM WALL BOARD	GYP	–	–	LEVEL 5 FINISH
POLISHED CONCRETE SLAB	CONC.	SEE SPECIFICATIONS	–	REFER TO SLAB PLAN FOR ELEVATION, SLOPE AND FINISH.
CONCRETE STAIN	ST–1	INCRETE SYSTEMS	VIBRA–STAIN / CHARCOAL	STAIN FOR PAW PRINTS IN LOBBY. SEE A5.0
FLOORING	CT–1	FLORIDA TILE THROUGH BODY PORCELAIN TILE	AVENTIS: FTIAT1RA, ASK, 24" X 24"	FLOOR TILE MAY NOT USED BASED ON PROJECT LOCATION, AND IS PROVIDED FOR REFERENCE TO THE CERAMIC TILE BASE. USE TEC 'LIGHT PEWTER' TILE GROUT.
	CTB–1	FLORIDA TILE THROUGH BODY PORCELAIN TILE	6"X24" TILE BASE, TO BE CUT FROM AVENTIS: FTIAT1RA, ASK, 12" X 24"	CUT IN FIELD. PROVIDE SCHLUTER QUADEC EDGE TRIM (ANODIZED ALUMINUM FINISH) AT TOP OF CUT TILES. SEE DETAIL 9/A8.1. USE TEC 'LIGHT PEWTER' TILE GROUT. SEE FINISH PLAN FOR LOCATIONS
	VB–1	JOHNSONITE VINYL BASE	4"X1/8" TRADITIONAL VINYL COVE BASE – #48 GREY	INSTALL PER MANUFACTURER'S REQUIREMENTS. SEE FINISH PLAN FOR LOCATIONS.
PLASTIC LAMINATE	PL–1	FORMICA	WHITE 949	COUNTERTOPS & BACKSPLASH. SEE INTERIOR ELEVATIONS.
	PL–2	FORMICA	AMBER MAPLE 7012–58	BASE AND WALL CABINETS. SEE INTERIOR ELEVATIONS.
	PL–3	NEVAMAR	LIMEADE SV7410T	LOCKERS. SEE INTERIOR ELEVATIONS.
	PL–4	NOT USED		
	PL–5	FORMICA	CHROME YELLOW 1485–90	LOCKERS & RECEPTION DESK. SEE INTERIOR ELEVATIONS.
CONCRETE MASONRY UNIT	CMU	–	CONCRETE BLOCK	SEE PLANS AND MASONRY STRUCTURAL NOTES.
FIBERGLASS REINFORCED PANELS	FRP–1	–	SMOOTH, WHITE	SEE NOTES IN WALL TYPE LEGEND FOR SUBSTRATE INFORMATION
	FRP–2	KAL–LITE	SMOOTH, THICK PEWTER	SEE NOTES IN WALL TYPE LEGEND FOR SUBSTRATE INFORMATION
SOLID SURFACE	SS–1	CORIAN SOLID SURFACE 1/2"	DESIGNER WHITE / D354SL	INTERIOR SILLS
EXPOSED STRUCT.	EXP	–	–	–

FINISH NOTES

A. SEE INTERIOR ELEVATION FOR LAMINATE CASEWORK.
B. STUD WALLS AROUND SINK AREA RECEIVE FRP–1 FULL–HEIGHT OVER MOISTURE RESISTANT GYP BOARD. SEE WALL BASE DETAIL ON SHEET A8.7 FOR ADDITIONAL INFORMATION.
C. EPOXY PAINT ON MOISTURE RESISTANT GYP WBD. (AT RESTROOM WALLS, WET WALL LOCATIONS, AND WATER CLOSET SIDE WALL AT MINIMUM).
D. SEE SPECIFICATIONS FOR CUSTOM PAINT COLOR FORMULAS

2007 ASHRAE BUILDING ENVELOPE COMPLIANCE

NEW BUILDING ENVELOPE COMPONENTS SHALL BE PROVIDED WITH THE MINIMUM VALUES SHOWN BELOW. REFER TO COM CHECK FOR ADDITIONAL INFORMATION / REQUIREMENTS.

ROOF INSULATION	NEW ROOF CONTINUOUS INSULATION SHALL BE R-21 MINIMUM.
SLAB INSULATION	NA
WALL INSULATION	NEW CMU BUILDING ENVELOPE WALLS W/ ADJACENT METAL STUD WALLS: PROVIDE INJECTION FOAM INSULATION IN **MEDIUM WEIGHT** CMU WALLS **B.O.D. CFI FOAM INC** MASONRY INJECTION FOAM PROVIDE MIN. R-15 CAVITY INSULATION IN 3-5/8" METAL STUD WALLS ADJACENT TO EXTERIOR CMU **MAXIMUM U-VALUE OF WALL ASSEMBLY .088.** NEW CMU BUILDING ENVELOPE WALLS W/O ADJACENT METAL STUD WALLS: PROVIDE INJECTION FOAM INSULATION IN **MEDIUM WEIGHT** CMU WALLS **B.O.D. CORE FILL 500 INJECTION FOA**M **MAXIMUM U-VALUE OF ASSEMBLY .150.**
EXTERIOR DOORS	NEW OPAQUE EXTERIOR DOORS SHALL HAVE A MAXIMUM U-FACTOR OF 0.37 NEW STOREFRONT ENTRY DOOR ASSEMBLIES SHALL HAVE A MAXIMUM U-FACTOR OF 0.830, SHGC OF 0.25, AND VISIBLE TRANSMITTANCE OF 0 .27
WINDOWS	NEW FIXED WINDOW ASSEMBLIES SHALL HAVE A MAXIMUM U-FACTOR OF 0.540, SHGC OF 0.25, AND VISIBLE TRANSMITTANCE OF 0 .27
SKYLIGHT	NA

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	FLOOR BASE	WALLS MATERIAL	WALLS FINISH PLAN NORTH	WALLS FINISH PLAN EAST	WALLS FINISH PLAN SOUTH	WALLS FINISH PLAN WEST	CEILING MATERIAL	CEILING HEIGHT	CEILING FINISH	REMARKS
100	LOBBY	CONC.	POLISHED	CTB–1	GYP	PT–7	PT–4	PT–7	PT–7	EXPOSED	–	PT–6	2, 3
101	CAT BOARDING	CONC.	POLISHED	CTB–1	GYP	PT–7	PT–7	PT–1	PT–7	ACT–1	10'–2"	–	2
102	UNISEX	CONC.	POLISHED	CTB–1	GYP	PT–7	PT–7	PT–7	PT–7	ACT–1	8'–6"	–	2
103	NOT USED												
104	I.T. CLOSET	CONC.	POLISHED	VB–1	GYP	PT–7	PT–7	PT–7	PT–7	EXPOSED	–	–	2
105	OFFICE	CONC.	POLISHED	VB–1	GYP	PT–7	PT–7	PT–7	PT–7	ACT–1	10'–0"	–	2
106	NOT USED												
107	LARGE DAYCARE GROUP BOARDING	CONC.	POLISHED	CTB–1	GYP / FRP	FRP–2 / PT–1	FRP–2 / PT–1	FRP–2 / PT–1	FRP–2 / PT–1	EXPOSED	–	PT–6	2
108	HALLWAY	CONC.	POLISHED	CTB–1	GYP	PT–7	PT–7	PT–7	PT–7	EXPOSED	–	PT–6	2
109A	STORAGE ROOM	CONC.	POLISHED	VB–1	GYP	PT–7	PT–7	PT–7	PT–7	EXPOSED	–	–	2, 4
109B	JANITOR	CONC.	POLISHED	VB–1	GYP	FRP–1 / PT–7	FRP–1 / PT–7	FRP–1 / PT–7	FRP–1 / PT–7	EXPOSED	–	–	2, 4
110	DOG BOARDING A	CONC.	POLISHED	VARIES SEE INTERIOR ELEV.	GYP / FRP / CMU	PTD. CMU	FRP–1 / PT–7	FRP–1 / PT–7	FRP–1 / PT–7	EXPOSED	–	PT–6	2
111	TOWNHOUSE ROOM	CONC.	POLISHED	CTB–1	GYP / FRP	FRP–1 / PT–7	FRP–1 / PT–7	FRP–1 / PT–4	FRP–1 / PT–7	EXPOSED	–	PT–6	2
112	LAUNDRY ROOM	CONC.	POLISHED	CTB–1	GYP / FRP	FRP–1 / PT–7	FRP–1 / PT–7	FRP–1 / PT–7	FRP–1 / PT–7	EXPOSED	–	–	1, 2
113	UNISEX	CONC.	POLISHED	CTB–1	GYP	PT–7	PT–7	PT–7	PT–7	ACT–1	8'–6"	–	2
114	UTILITY ROOM	CONC.	POLISHED	VB–1	GYP	PT–7	PT–7	PT–7	PT–7	EXPOSED	–	–	2
114A	ELECTRICAL ROOM	CONC.	POLISHED	VB–1	GYP	PT–7	PT–7	PT–7	PT–7	EXPOSED	–	–	2
115	BATHING	CONC.	POLISHED	CTB–1	FRP	FRP–1 / PT–7	FRP–1 / PT–7	FRP–1 / PT–7	FRP–1 / PT–7	ACT–2	10'–0"	–	2
116	DRYING	CONC.	POLISHED	CTB–1	FRP	FRP–1	FRP–1	FRP–1	FRP–1	ACT–2	10'–2"	–	1, 2
117	GROOMING	CONC.	POLISHED	CTB–1	FRP	FRP–1	FRP–1	FRP–1	FRP–1	ACT–2	10'–2"	–	2
118	BREAKROOM	CONC.	POLISHED	VB–1	GYP	PT–7	PT–7	PT–7	PT–7	ACT–1	10'–2"	–	2
119	STORAGE	CONC.	POLISHED	VB–1	GYP	FRP–1	FRP–1	PT–7	PT–7	EXPOSED	–	–	2
120	STACKED KENNEL ROOM	CONC.	POLISHED	CTB–1	GYP / FRP	FRP–1 / PT–7	FRP–1 / PT–7	FRP–1 / PT–7	FRP–1 / PT–7	EXPOSED	–	PT–6	2
121	DOG BOARDING B	CONC.	POLISHED	VARIES SEE INTERIOR ELEV.	GYP / FRP / CMU	FRP–1 / PT–7	FRP–1 / PT–7	PTD. CMU	FRP–1 / PT–7	EXPOSED	–	PT–6	2
122	FLEX, PLAY, & TRAIN ROOM	CONC.	POLISHED	CTB–1	GYP / FRP	FRP–2 / PT–1	FRP–2 / PT–7	FRP–2 / PT–7	FRP–2 / PT–7	EXPOSED	–	PT–6	2
123	SMALL DAYCARE GROUP BOARDING	CONC.	POLISHED	CTB–1	GYP / FRP	FRP–2 / PT–1	FRP–2 / PT–1	FRP–2 / PT–1	FRP–2 / PT–1	EXPOSED	–	PT–6	2

INTERIOR METAL STUD SCHEDULE

SIZE	GA.	16" O.C. MAX UNSUPPORTED HEIGHT. NOTES 1, 2, & 3	24" O.C. MAX UNSUPPORTED HEIGHT. NOTES 1, 2, & 3
362S125-18	25	16'–2"	13'–2"
362S125-27	22	20'–9"	16'–6"
362S125-33	20	21'–11"	19'–2"
362S162-43	18	23'–5"	20'–6"
600S137-33	20	28'–7"	23'–4"
600S162-33	20	30'–9"	25'–1"

NOTES:

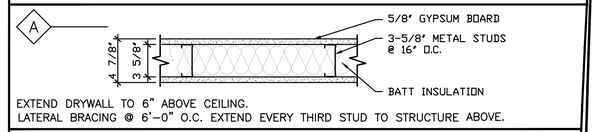
1. BASED ON INTERIOR NONBEARING PARTITIONS WITH ONE LAYER OF GYPSUM BOARD EACH SIDE; USE GAUGE, TYPE AS SCHEDULED UNLESS NOTED OTHERWISE ON DRAWINGS.
2. RUNNER TRACK GAUGE TO MATCH STUD.
3. ALL WALLS SHALL HAVE 1–1/2" X16 GA, COLD ROLLED CHANNEL HORIZONTAL BRIDGING SPACED AT 6'–0" U.N.O.
4. ALLOWABLE SPANS ARE BASED ON DEFLECTION LIMITED TO L/120 AND DO NOT APPLY TO WALLS CLAD WITH TILE OR OTHER BRITTLE FINISHES.

FINISH SCHEDULE REMARKS

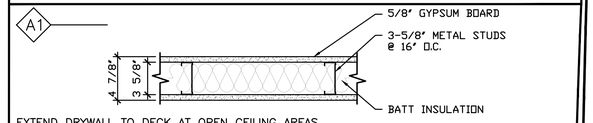
1. STUD WALLS AROUND SINK AREA RECEIVE FRP–1. SEE WALL BASE DETAILS AND INTERIOR ELEVATIONS.
2. REFER TO SHEET A8.6 AND A5.0 FOR WALL BASE DETAILS.
3. LOBBY HALLWAY WALLS SHALL BE PAINTED PT–3.
4. PROVIDE 8'–0" OF FRP ABOVE BASE ON INTERIOR OF CLOSET WALLS. PROVIDE 4'–0" OF FRP ABOVE BASE ON EXTERIOR SIDE OF CLOSET WALLS.

WALL TYPE LEGEND

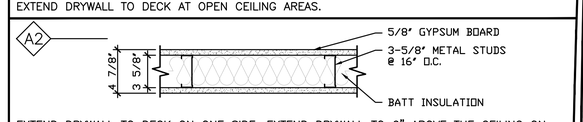
NOTES
– INSTALL CEMENT BOARD TO 4'–0" A.F.F. BEHIND FRP AT INDICATED LOCATIONS WITH A MIN. OF 4'–0" OF MOISTURE RESISTANT GYPSUM BOARD ABOVE CEMENT BOARD. SEE SHEET A5.0 FOR LOCATIONS. USE MOISTURE RESISTANT GYPSUM BOARD BEHIND FRP IN ALL OTHER LOCATIONS.
– USE CEMENT BOARD BEHIND TILE BASE WHEN PRESENT.
– SEE WALL BASE DETAILS ON SHEET A8.6.
– WHERE WALLS ARE HATCHED [ ] USE STEEL STUDS FABRICATED FROM A MIN 25MSG CORROSION–PROTECTED STEEL, SPACED A MAX OF 24" O.C. ; GYPSUM BOARD VERTICAL JOINT CENTERED OVER STUDS AND STAGGERED ON STUD CAVITY. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING (UL U419 WALL ASSEMBLY)



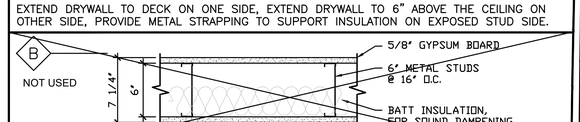
EXTEND DRYWALL TO 6" ABOVE CEILING.
LATERAL BRACING @ 6'–0" O.C. EXTEND EVERY THIRD STUD TO STRUCTURE ABOVE.



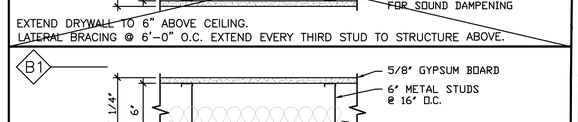
EXTEND DRYWALL TO DECK AT OPEN CEILING AREAS.



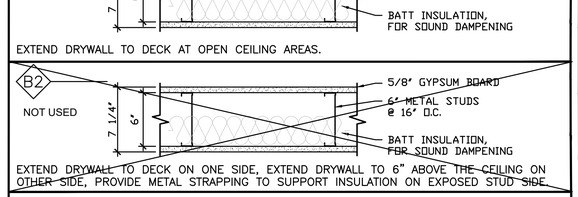
EXTEND DRYWALL TO DECK ON ONE SIDE, EXTEND DRYWALL TO 6" ABOVE THE CEILING ON OTHER SIDE, PROVIDE METAL STRAPPING TO SUPPORT INSULATION ON EXPOSED STUD SIDE.



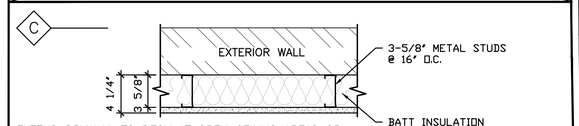
EXTEND DRYWALL TO 6" ABOVE CEILING.
LATERAL BRACING @ 6'–0" O.C. EXTEND EVERY THIRD STUD TO STRUCTURE ABOVE.



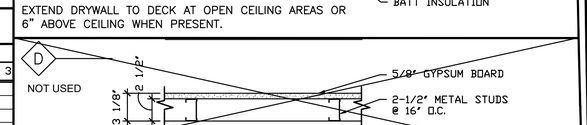
EXTEND DRYWALL TO DECK AT OPEN CEILING AREAS.



EXTEND DRYWALL TO DECK ON ONE SIDE, EXTEND DRYWALL TO 6" ABOVE THE CEILING ON OTHER SIDE, PROVIDE METAL STRAPPING TO SUPPORT INSULATION ON EXPOSED STUD SIDE.



EXTEND DRYWALL TO DECK AT OPEN CEILING AREAS OR 6" ABOVE CEILING WHEN PRESENT.



EXTEND DRYWALL TO 6" ABOVE THE CEILING ON ONE SIDE, EXPOSED STUDS ON OTHER SIDE.

GPD GROUP
Professional Corporation,
A-2014041131,E-2014041305,LA-2014040814
520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

petsuites STAY • PLAY

REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Mark S. Salopek – Architect
A-2004032558

STATE OF MISSOURI
MARK S. SALOPEK
NUMBER
A-2004032558
ARCHITECT
02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

FINISH SCHEDULE & WALL TYPE LEGEND

ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	MGP

JOB NO. 2020155.27

A10.1

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\330_A10.1 FINISH SCHEDULE & WALL TYPE LEGEND.dwg
---- - akolesar

GENERAL NOTES

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. EXACT LOCATIONS OF DEVICES AND ROUTING OF DUCTWORK SHALL BE DETERMINED BY CONTRACTOR AFTER COORDINATION WITH ALL OTHER TRADES AND FIELD DETERMINATION OF FINAL CONSTRUCTION DETAILS. MINOR ADJUSTMENTS TO DUCT ROUTING AND CONFIGURATION TO AVOID CONFLICT WITH BUILDING STRUCTURE OR OTHER TRADES SHALL BE INCLUDED IN CONTRACTORS PRICE. CONTRACTOR SHALL OBTAIN ENGINEERS APPROVAL IN WRITING FOR ANY MODIFICATIONS TO SYSTEM DESIGN PRIOR TO INSTALLATION.
2. ALL EXPOSED MATERIALS AND EQUIPMENT SHALL BE INSTALLED AND SUPPORTED IN A FIRST-CLASS AND WORKMANLIKE FASHION. CONDUIT SHALL RUN PARALLEL AND/OR PERPENDICULAR TO MAIN BUILDING STRUCTURE. ANY WORK THAT IS NOT DONE IN A FIRST-CLASS OR WORKMANLIKE FASHION, IN THE ARCHITECTS OPINION, SHALL BE REDONE AT THE CONTRACTORS EXPENSE.
3. DO NOT SCALE THE DRAWINGS. DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT AND SYSTEMS. THEY ARE NOT INTENDED TO SHOW EVERY OFFSET, FITTING AND COMPONENT. DO NOT USE THE PLANS FOR EXACT LOCATION OF EQUIPMENT, FIXTURES OR ARCHITECTURAL ITEMS SUCH AS WALLS, WINDOWS, SOFFITS, AND PILASTERS. SPECIFIC LOCATIONS, MOUNTING HEIGHTS AND OVERALL DIMENSIONS OF DEVICES AND FIXTURES ARE TO BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS AND DETAILS WHEN AVAILABLE.
4. ALL DUCT JOINTS, SEAMS AND CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED. DUCTS SHALL BE SUPPORTED WITH APPROVED HANGERS AT INTERVALS NOT EXCEEDING TEN FEET. DUCT COVERINGS AND LININGS SHALL HAVE A FLAME-SPREAD INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX NOT MORE THAN 50.
5. PROVIDE VOLUME DAMPERS AT ALL ROUND BRANCH DUCT TAKE-OFFS THAT ARE ACCESSIBLE. PROVIDE TURNING VANES AT ALL 90 DEGREE SQUARE ELBOWS IN SUPPLY AND RETURN AIR DUCTS. PROVIDE 45 DEGREE HEEL AT ALL RECTANGULAR SUPPLY AND RETURN BRANCH DUCT TAKE-OFFS.
6. CONTRACTOR TO LINE EXPOSED, SUPPLY DUCTWORK WITH DUCT LINER INSTALLED WITH ADHESIVE AND MECHANICAL FASTENERS U.N.O. OMIT EXTERNAL INSULATION ON LINED DUCT. LINED DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
7. OUTDOOR AIR INTAKES SHALL BE 10'-0" MINIMUM AWAY FROM ANY EXHAUST AND PLUMBING VENT OUTLET.
8. CONTRACTOR TO WIRE UP ALL LOW VOLTAGE (24V) THERMOSTATS AND THEIR REMOTE SENSORS. PROVIDE LOCKING PLASTIC BOX OVER ALL THERMOSTATS.
9. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL PIPES, DUCTWORK, UNITS, ETC. WITH ALL OTHER TRADES AND SHIFT LOCATIONS OR OFFSET WHERE NECESSARY. PROVIDE TRANSITIONS IN DUCTWORK TO AVOID CONFLICT WITH BEAMS, ROOF JOISTS AND OTHER STRUCTURES.
10. CONTRACTOR SHALL COORDINATE ALL AIR DEVICES WITH ELECTRICAL AND ARCHITECTURAL REFLECTED CEILING PLANS.
11. REFER TO SHEETS A3.0 AND A3.1 FOR DUCT AND DIFFUSER MOUNTING HEIGHTS.
12. PAINT CEILING ITEMS TO MATCH CEILING COLOR. ROOF ITEMS TO MATCH ROOF COLOR. REFER TO ARCHITECTURAL PLAN.

SEQUENCE OF OPERATION

1. ROOFTOP UNITS: RTU-1 THRU 7; WHEN ENERGIZED, THE EVAPORATOR FAN SHALL RUN CONTINUOUSLY, A PROGRAMMABLE AUTOMATIC CHANGE-OVER THERMOSTAT SHALL CYCLE THE UNIT IN THE HEATING AND COOLING MODE TO MAINTAIN ROOM TEMPERATURE.
2. EXHAUST FANS EF-2 AND 9 SHALL BE ENERGIZED WITH THE LIGHTING CIRCUIT OF THE RESTROOM OR AS SHOWN ON THE ELECTRICAL DRAWINGS.
3. EXHAUST FANS EF-6, 7 AND 8 SHALL BE ENERGIZED MANUALLY THRU A WALL SWITCH OR AS SHOWN ON THE ELECTRICAL DRAWINGS.
4. EXHAUST FANS EF-1 AND 11 SHALL BE ENERGIZED BY A 30-MINUTE MANUAL TIMER OR AS SHOWN ON THE ELECTRICAL DRAWINGS.
5. EXHAUST FANS EF-3 AND 10 SHALL BE ENERGIZED BY A ROOM THERMOSTAT SET AT 80 DEGREES F IN THE SPACE. WHEN THE SPACE TEMPERATURE IN THE ROOM RISES TO 80 DEGREES, THE EXHAUST FAN SHALL START AND DRAW AIR FROM THE BUILDING SPACE TO COOL THE ROOM.
6. EXHAUST FANS EF-4, 5, 12 THRU EF-15 SHALL BE ENERGIZED BY A PROGRAMMABLE TIMER WITH A MANUAL OVERRIDE. THE TIMER WILL ALSO SEND A SIGNAL TO OPEN THE CORRESPONDING ROOFTOP HVAC UNIT OUTSIDE AIR DAMPER TO PROVIDE THE MAKEUP AIR NEEDED FOR THE EXHAUST.

VENTILATION SEQUENCE OF OPERATION

1. ALL ROOFTOP UNITS WILL BE PROGRAMMED TO OPERATE IN THE OCCUPIED AND UNOCCUPIED MODES OF OPERATION BY THEIR PROGRAMMABLE THERMOSTATS FOR THEIR INDIVIDUAL SPACES.
2. WHENEVER THE ROOFTOP UNITS ARE IN THEIR OCCUPIED MODE, THE OUTSIDE AIR DAMPER WILL AUTOMATICALLY OPEN TO THE MINIMUM SETTING FOR THE REQUIRED VENTILATION FOR THE ZONE, AND CLOSE WHEN THE SPACE GOES INTO AN UNOCCUPIED MODE.
3. UNITS RTU-2, 4, 5 AND 6 ARE EQUIPPED WITH AN ECONOMIZER CONTROL THAT IN THE OCCUPIED MODE, WHEN THE OUTDOOR AIR IS AT A TEMPERATURE AND HUMIDITY TO PROVIDE FREE COOLING, THE DAMPER WILL OPEN TO 100% TO ALLOW OUTSIDE AIR TO COOL THE SPACE INSTEAD OF THE MECHANICAL COOLING EQUIPMENT. THE UNITS WILL BE ALSO EQUIPPED WITH A BAROMETRIC RELIEF TO PREVENT THE SPACES FROM BEING OVER PRESSURIZED.
4. UNITS RTU-2, 4, 5, 6 AND 7 ARE TO BE EQUIPPED WITH A MOTORIZED OUTDOOR AIR DAMPER INTERLOCKED WITH THE PURGE TIMER AND ASSOCIATED EXHAUST FAN FOR THEIR RESPECTIVE SPACES. THE TIMER WILL INITIATE A TIMED PURGE OF THE SPACE WITH THE ACTIVATION OF THE SPACE'S EXHAUST FAN AND THE OPENING OF THE CORRESPONDING ROOFTOP OUTSIDE AIR DAMPER TO PROVIDE THE VENTILATION AIRFLOW REQUIRED BY THE MECHANICAL CODE. SEE SHEET M3.0 FOR THE VENTILATION REQUIREMENTS FOR THE SPACES.

KEY NOTES

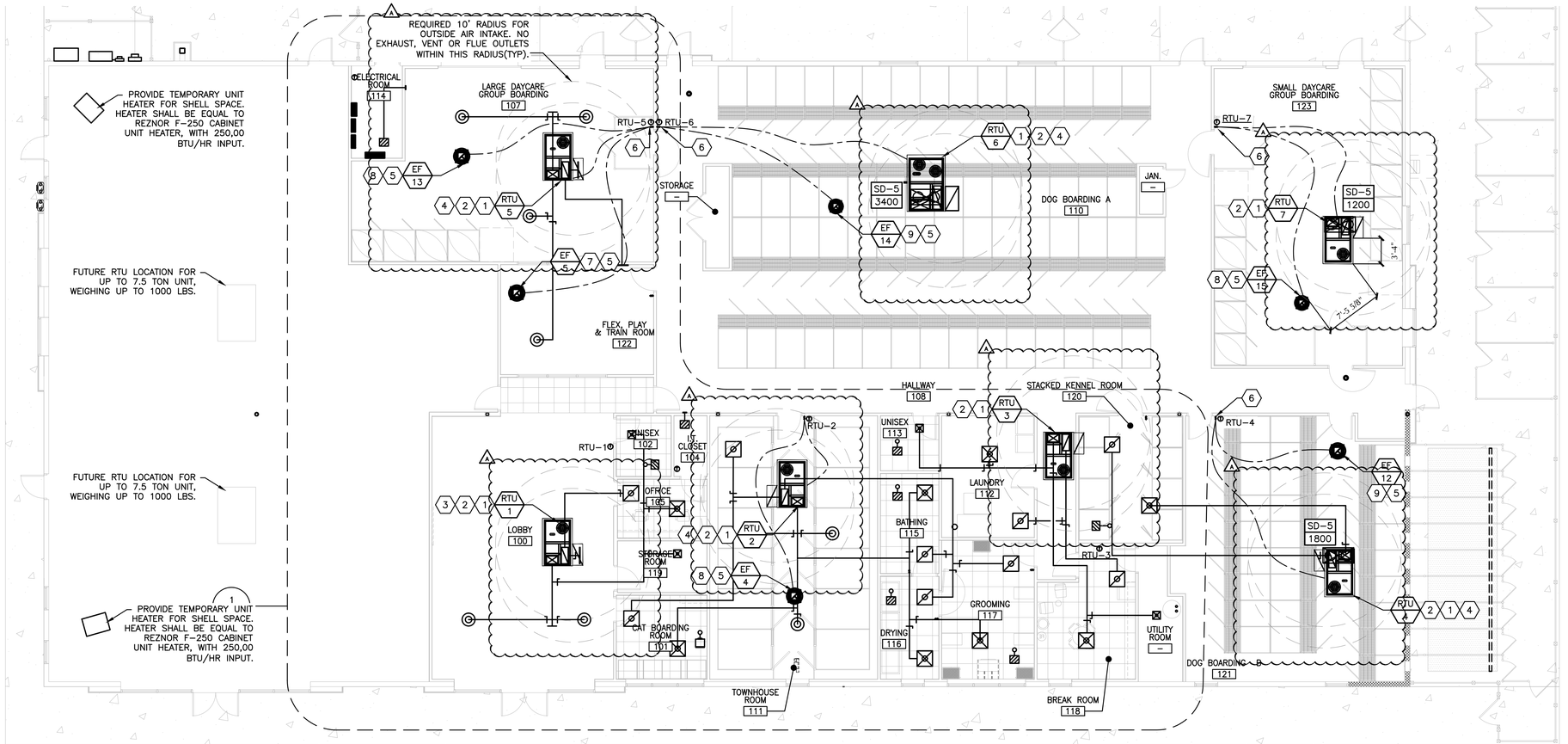
1. INSTALL ROOFTOP UNIT ON FACTORY ROOF CURB. MAINTAIN MINIMUM REQUIRED CLEARANCE AROUND UNIT FOR SERVICING AND PROPER AIRFLOW.
2. PROVIDE MINIMUM 1" DIA. ROOFTOP UNIT CONDENSATE DRAIN LINE FROM UNIT TO SPLASH PAD. SEE DETAIL ON SHEET M4.0
3. PROVIDE 1" ACOUSTICAL DUCT LINING IN THE FIRST 10'-0" OF DUCTWORK FROM THE ROOFTOP UNIT TO THE LOBBY.
4. PROVIDE AND INSTALL DUCT SMOKE DETECTOR EQUAL TO SYSTEM SENSOR DH400-ACDCIHT WITH RESET IN RETURN AIR DUCTWORK. ONCE ACTIVATED, DETECTOR SHALL SHUT DOWN THE AIR DISTRIBUTION SYSTEM. SMOKE DETECTOR TO BE CONNECTED TO FIRE ALARM SYSTEM. SEE FIRE ALARM SHEETS FOR DETAILS.
5. INSTALL EXHAUST FAN ON ROOF CURB SUPPORTED BY THE PEMB ROOF STRUCTURE. MAINTAIN MINIMUM REQUIRED CLEARANCE AROUND UNIT FOR SERVICE AND PROPER AIRFLOW. MAINTAIN A MINIMUM 10'-0" SEPARATION FROM ANY ROOFTOP UNIT'S AIR INTAKE.
6. 30 MINUTE PROGRAMMABLE TIMER, WITH MANUAL OVERRIDE, BY E.C. TO CONTROL OPERATION OF EXHAUST FAN AND ROOFTOP UNIT OUTDOOR AIR INTAKE DAMPER ACTUATOR.
7. 10"x10" EXHAUST DUCT DOWN FROM FAN WITH 3/4" MESH SCREEN OVER THE OPENING. EXTEND DUCT 36" DOWN FROM THE UNDERSIDE OF STRUCTURE.
8. 12"x12" EXHAUST DUCT DOWN FROM FAN WITH 3/4" MESH SCREEN OVER THE OPENING. EXTEND DUCT 36" DOWN FROM THE UNDERSIDE OF STRUCTURE.
9. 14"x14" EXHAUST DUCT DOWN WITH 3/4" MESH SCREEN OVER THE OPENING. EXTEND DUCT 36" DOWN FROM THE UNDERSIDE OF STRUCTURE. TRANSITION AS NEEDED TO CONNECT TO FAN.

INSULATION/LINER REQUIREMENTS:

EXPOSED SUPPLY DUCTWORK SHALL BE INTERNALLY LINED.

CONCEALED SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED, EXCEPT WHERE INDICATED BY NOTE 3 ON M1.0.

OMIT INSULATION, WHERE INTERNAL LINING IS USED.



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

NORTH

GPD GROUP
Professional Corporation,
A-20140411131,E-20140413551,LA-2014004814
520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

petsuites STAY • PLAY

REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET
A	01.12.21	ADDENDUM 1

Brandon M. Marzley - Mechanical Engineer
PE-2014027249

STATE OF MISSOURI
BRANDON M. MARZLEY
NUMBER PE-2014027249
PROFESSIONAL ENGINEER

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

MECHANICAL FLOOR PLAN

ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	JDF

JOB NO.
2020155.27

M1.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\400_M1.0 MECHANICAL FLOOR PLAN.dwg
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KEY NOTES

1. SUPPORT ROOFTOP UNIT ON FACTORY ROOF CURB. DUCTWORK CONNECTIONS TO THE ROOFTOP UNITS TO INCLUDE FLEXIBLE CONNECTORS. ROUTE CONDENSATE LINE TO SPLASH PAD ON THE ROOF. COORDINATE LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
2. MAINTAIN MINIMUM REQUIRED CLEARANCE AROUND UNIT FOR SERVICING AND PROPER AIRFLOW.
3. EXHAUST DUCT UP THRU ROOF WITH ROOF CAP. MINIMUM 10'-0" FEET AWAY FROM AIR INTAKE. SEE DETAIL ON SHEET M4.0.
4. 8" GALVANIZED SHEET METAL DRYER VENT, MINIMUM 26 GA., UP THRU THE ROOF WITH A THIMBLE AND DISCHARGE ELBOW. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS. DRYER IS PROVIDED WITH A BACKDRAFT DAMPER IN THE MACHINE. SEE DETAIL ON SHEET M4.0.
5. INSTALL 3" PVC VENT AND COMBUSTION AIR INTAKE PIPE TO GAS WATER HEATER IN ACCORDANCE WITH NATIONAL FUEL GAS CODE. SLOPE VENT PIPE MINIMUM 1/4" PER FOOT. ROUTE UP THROUGH ROOF AND TERMINATE WITH CONCENTRIC VENT COMBUSTION AIR CAP. MAINTAIN 10'-0" SEPARATION FROM OUTDOOR AIR INTAKES. SEE DETAIL ON SHEET M4.0.
6. 6X6X4 PVC SCH. 40 DWV REDUCING TEE, 4" PIPE AND ELBOW TO COVER 3" OPENING PER CAGE FROM MAIN DUCT. PIPE LOCATION TO BE AT TOP (BACK) OF EACH CAGE. SEE SHEET A9.2 FOR ADDITIONAL INFORMATION.
7. SUSPEND INLINE EXHAUST FAN FROM BUILDING STRUCTURE AND PROVIDE FLEXIBLE DUCT CONNECTIONS ON INLET AND OUTLET OF FAN.
8. MANUAL WALL SWITCH TO ACTIVATE EXHAUST SYSTEM FOR ROOM AS NEEDED BY STAFF.
9. INSTALL EXHAUST FAN ON ROOF CURB SUPPORTED BY THE PEMB ROOF STRUCTURE. MAINTAIN MINIMUM REQUIRED CLEARANCE AROUND UNIT FOR SERVICE AND PROPER AIRFLOW. MAINTAIN A MINIMUM 10'-0" SEPARATION FROM ANY ROOFTOP UNIT'S AIR INTAKE.
10. 10"X10" EXHAUST DUCT DOWN FROM FAN WITH 3/4" MESH SCREEN OVER THE OPENING. EXTEND DUCT 36" DOWN FROM THE UNDERSIDE OF STRUCTURE.
11. 30-MINUTE MANUAL TIMER TO ACTIVATE EXHAUST SYSTEM FOR ROOM AS NEEDED BY STAFF.
12. FERNCO PROFLEX MODEL 3000-66 6" PVC TO 6" PVC STAINLESS STEEL COUPLING WITH NEOPRENE GASKET MATERIAL, STAINLESS STEEL SHIELD AND CLAMPS.
13. SHOR-LINE CAT CONDOS. PROVIDE ALL WORK FOR EXHAUST SYSTEM, INCLUDING EXHAUST FAN, DUCTWORK AND PIPING TO CAGES IN CAT BOARDING ROOM 101. COORDINATE INSTALLATION WITH CAT CAGE PROVIDER. ADJUST FAN SPEED CONTROL TO MAINTAIN MINIMUM 120 CFM EXHAUST IN THE SYSTEM.
14. 30 MINUTE PROGRAMMABLE TIMER, WITH MANUAL OVERRIDE, BY E.C. TO CONTROL OPERATION OF EXHAUST FAN AND ROOFTOP UNIT OUTDOOR AIR INTAKE DAMPER ACTUATOR.
15. 1-HOUR FIRE RATED WALL. COORDINATE WITH THE ARCHITECT AND PROVIDE FIRE DAMPERS AS INDICATED.

MECHANICAL CONTRACTOR SHALL INSTALL CAT CONDO EXHAUST MANIFOLD AND VENTILATION AFTER DELIVERY OF CAT CONDOS. VERIFY REQUIRED MOUNTING HEIGHT OF PVC WITH ON-SITE HEIGHT OF CONDOS PRIOR TO ANY ROUGH-IN / EXHAUST PENETRATION THROUGH CHASE

1 / M2.0 ENLARGED CEILING PLAN – MECHANICAL
SCALE: 1/4"=1'-0"

NORTH

GPD GROUP
Professional Corporation,
A-2014041131,E-2014041305,LA-2014040814
520 South Main Street
Akron, OH 44311
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petsuites STAY • PLAY

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Brandon M. Marzley - Mechanical Engineer
PE-2014027249

STATE OF MISSOURI
BRANDON M. MARZLEY
NUMBER PE-2014027249
PROFESSIONAL ENGINEER

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

MECHANICAL ENLARGED PLAN

ISSUED FOR:	
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CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	JDF

JOB NO. 2020155.27

M2.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\405_M2.0 MECHANICAL ENLARGED PLAN.dwg
---- - akolesar

ROOFTOP HVAC UNIT SCHEDULE

MARK	MANUFACTURER MODEL NUMBER	APPLICATION	NOMINAL TONS	COOLING			SUPPLY FAN						GAS HEAT			MIN. O.A. CFM	ELECTRICAL	MCA	MOCP	WEIGHT (lbs.)	REMARKS
				TOTAL (MBH)	SENS (MBH)	SEER/ EER	TYPE	E.S.P. (IN W.G.)	CFM	RPM	BHP	MOTOR HP	INPUT (MBH)	OUTPUT (MBH)	AFUE		VOLTS–PHASE–HERTZ				
RTU 1	CARRIER 48FCEA04A2M5	LOBBY/OFFICE	3.0	35.1	25.4	14/–	CENT	.50	1200	1600	.30	.75	82 / –	65 / –	80	175	208–3–60	24	30	600	①④
RTU 2	CARRIER 48FCFM07B2M5	CARE ROOMS	6.0	72.4	55.6	–/11	CENT	0.8	2400	2380	1.43	2.0	120 / 150	96 / 120	80	360	208–3–60	33	50	850	①②③④
RTU 3	CARRIER 48VG–A300605	BREAK/HALL	2.5	29.6	19.7	15/–	CENT	.20	1000	1050	.24	.50	60 / –	49 / –	81	115	208–3–60	16.2	20	500	①④
RTU 4	CARRIER 48FCFA06A2M5	MED KENNELS	5.0	59.3	44.7	14/–	CENT	.60	2000	2013	.85	1.0	120 / 150	96 / 120	80	300	208–3–60	35	50	800	①②③④
RTU 5	CARRIER 48FCFA06A2M5	MED KENNELS	5.0	59.3	44.7	14/–	CENT	.60	2000	2013	.85	1.0	120 / 150	96 / 120	80	325	208–3–60	35	50	800	①②③④
RTU 6	CARRIER 48HCRE09B2A5	DOG BOARDING	8.5	98.7	72.6	–/11	CENT	0.8	3400	850	2.4	3.0	120 / 180	98 / 148	80	730	208–3–60	41	50	850	①②③④
RTU 7	CARRIER 48FCEA04A2M5	SM DAYCARE	3.0	35.1	25.4	14/–	CENT	.50	1200	1600	.30	.75	82 / 110	65 / 93	80	240	208–3–60	24	30	600	①③

1. PROVIDE UNIT WITH NON–FUSED DISCONNECT, CONVENIENCE OUTLET, CONDENSER COIL HAIL GUARD, FACTORY ROOF CURB AND TIME GUARD II COMPRESSOR DELAY, 2" PLEATED MERV 7 AIR FILTERS.
2. PROVIDE UNIT WITH AN ENTHALPY ECONOMIZER CYCLE CONTROL AND RETURN AIR SMOKE DETECTOR.
3. PROVIDE UNIT WITH STAINLESS STEEL HEAT EXCHANGER AND MODULATING OUTSIDE AIR DAMPER INTERLOCK WITH EXHAUST FAN.
4. PROVIDE UNIT WITH HONEYWELL T7350 COMMERCIAL PROGRAMMABLE THERMOSTAT AND CLEAR PLASTIC LOCKING COVER TG512A.

CONTACT CARRIER STRATEGIC ACCOUNTS FOR INFORMATION:
FOR QUESTIONS OR QUOTATIONS, CONTACT DEBBIE JOBIN (debbie.jobin@carrier.com – 315.432.7942)
FOR GENERAL ACCOUNT NEEDS, CONTACT MATT MURPHY (matt.murphy@corrier.com – 630.920.9151)

AIR BALANCE SCHEDULE

UNIT NO.	NORMAL O.A. CFM	NORMAL E.A. CFM	BLDG PRESSURE	PURGE O.A. CFM	PURGE E.A. CFM	BLDG PRESSURE
RTU–1	175	–	–	175	–	–
RTU–2	360	–	–	1500	–	–
RTU–3	115	–	–	115	–	–
RTU–4	300	–	–	1500	–	–
RTU–5	325	–	–	1500	–	–
RTU–6	730	–	–	3000	–	–
RTU–7	240	–	–	1000	–	–
EF–2,9	–	140	–	–	140	–
EF–1,6,7,8,11	–	725	–	–	725	–
EF–3,10	–	300	–	–	300	–
EF–4,12,13	–	–	–	–	2465	
EF–5,14,15	–	–	–	–	4005	
TOTAL	+2245	–1165	+1080	8790	–7635	+1155

BASIS OF DESIGN: GREENHECK

EXHAUST FAN SCHEDULE

TAG	MODEL#	LOCATION	CFM	ESP	FRPM	HP/W	VOLTAGE	SOUND		REMARKS
								dBA	SONES	
EF–1	CSP–B150–QD	CAT BOARD 101	120	0.50	906	91W	115/60/1	34	1.9	A,B,D
EF–2,9	SP–B110–QD	UNISEX 102/113	70	0.375	729	80W	115/60/1	32	1.5	A,C
EF–3,10	SP–B150–QD	IT 104/ELECT 114	150	0.25	1025	128W	115/60/1	42	3.5	I,E
EF–4	G–95–D–QD	TOWNHOUSE 111	725	0.375	1550	1/8	115/60/1	57	8.8	F,H
EF–5	G–90–D–QD	FLEX PLAY 122	375	0.375	1550	1/15	115/60/1	54	7.4	F,H
EF–6,7	SP–B150–QD	BATH 115/DRY 116	100	0.375	756	128W	115/60/1	35	2.2	A,G
EF–8	SP–B200–QD	GROOMING 117	200	0.375	1008	172W	115/60/1	46	4.7	A,G
EF–11	SP–A200–QD	STACK KENNELS 120	205	0.375	888	49W	115/60/1	42	3.4	A,D
EF–12	G–123–A–QD	MED KENNELS 121B	880	0.375	1725	1/2	115/60/1	69	16.7	F,H
EF–13	G–103–A–QD	LG DAYCARE 107	860	0.375	1276	1/4	115/60/1	54	6.9	F,H
EF–14	G–133–A–QD	LG KENNEL 110A	2760	0.375	1725	1/2	115/60/1	68	16.3	F,H
EF–15	G–103–A–QD	SM DAYCARE 123	870	0.375	1276	1/4	115/60/1	54	6.9	F,H

REMARKS
A. PROVIDE FLEXIBLE CONNECTION AT FAN OUTLET, BACKDRAFT DAMPER, PLUG–IN DISCONNECT, SPEED CONTROLLER, ROOF JACK AND HANGER RODS WITH VIBRATION ISOLATORS.
B. INLINE FAN ARRANGEMENT ABOVE THE CEILING, FLEXIBLE CONNECTION ON THE FAN INLET.
C. EXHAUST FAN TO BE WIRED TO THE LIGHTING CIRCUIT FOR THE ROOM FIXTURES.
D. EXHAUST FAN TO BE WIRED TO OPERATE WITH MANUAL 30 MINUTE TIMER. SEE M1.0 SHEET FOR LOCATION.
E. EXHAUST FAN TO BE WIRED TO OPERATE WHEN ROOM THERMOSTAT SENSES THE ROOM TEMPERATURE EXCEEDS 80 DEG. F.
F. PROVIDE AUTOMATIC BACKDRAFT DAMPER, BIRDSCREEN, ECM MOTOR AND NEMA 3R DISCONNECT SWITCH.
G. EXHAUST FAN TO BE WIRED TO MANUAL SWITCH IN ROOM TO BE OPERATED BY STAFF.
H. EXHAUST FAN TO BE WIRED TO OPERATE WITH PROGRAMMABLE 30 MINUTE TIMER, WITH MANUAL OVERRIDE. SEE M1.0 SHEET FOR LOCATION. SEE DETAIL 4/E4.0 FOR ADDITIONAL INFORMATION.
I. PROVIDE FLEXIBLE CONNECTION AT FAN OUTLET, BACKDRAFT DAMPER, PLUG–IN DISCONNECT, SPEED CONTROLLER AND HANGER RODS WITH VIBRATION ISOLATORS.

BASIS OF DESIGN: TITUS

AIR DEVICE SCHEDULE

TAG	MODEL	PANEL	NECK SIZE	REMARKS
SD–1	TMSA	12x12 LAY–IN	SAME AS BRANCH OR AS NOTED	1,2
SD–2	TMSA	24x24 LAY–IN	SAME AS BRANCH OR AS NOTED	1,2
SD–3	TMR	22 DIA.	SAME AS BRANCH OR AS NOTED	1,2
SD–4	TMR	26 DIA.	SAME AS BRANCH OR AS NOTED	1,2
SD–5	CDS–20	24x48 CONCENTRIC	AS NOTED	1,3,4
RG–1	50F	24x24 LAY–IN PERF.	SAME AS BRANCH OR AS NOTED	1,3
RG–2	50F	–	SAME AS BRANCH OR AS NOTED	1,3

REMARKS
1. COLOR SHALL BE # 26 WHITE.
2. PROVIDE DAMPERS IN TAKEOFFS WHERE ACCESSIBLE. WHERE DAMPERS ARE NOT ACCESSIBLE, PROVIDE AG–75 OPPOSED BLADE DAMPER AT DIFFUSER.
3. OPPOSED BLADE DAMPER.
4. PROVIDE S.M. ADAPTER AT GRILLE NECK WHERE ROUND CONN. IS SHOWN.

VENTILATION AIR SCHEDULE based on ANSI/ASHRAE Standard 62.1-2010

Job# and Name: PetSuite 1019 Prototype

Vbz=Az x Ra + Rp x Pz

Room #	Room Name	Az sqft	Table 6-1 Occupancy Category	Rp cfm/P	Ra cfm/sqft	Pz people	People Rp x Pz cfm	Area Az x Ra cfm	OA (cfm) Vbz	Air Eff Ez	Voz= Vbz/Ez	SA (cfm) Vpz	Zp=Voz/Vpz	Ev	EA=(Az x Ev)
100	Lobby	928	Lobby	5	0.06	10	50	56	106	0.8	132	900	-	-	-
102	Unisex	57	Public Restrooms	-	70 EA	-	-	-	-	-	-	50	-	-	70
103	Storage	80	Storage	-	0.12	0	0	10	10	0.8	12	50	0.24		
104	IT Closet	35	Electrical Equip. Rm	-	0.12	0	0	4	4	0.8	5	0	0.00		
105	Office	90	Office	5	0.06	2	10	5	15	0.8	19	200	-	-	-
	RTU-1	1,190				12			135		169	1,200	0.14		70
101	Cat Boarding	129	Pet Shops (animal areas)	7.5	0.18	1	8	23	31	0.8	38	450	0.09	0.90	116
111	Townhouse	746	Pet Shops (animal areas)	7.5	0.18	2	15	134	149	0.8	187	850	0.22	0.90	671
115	Bathing	98	Pet Shops (animal areas)	7.5	0.18	1	8	18	25	0.8	31	120	0.26	0.90	88
116	Drying	101	Pet Shops (animal areas)	7.5	0.18	1	8	18	26	0.8	32	450	0.07	0.90	91
117	Grooming	216	Pet Shops (animal areas)	7.5	0.18	2	15	39	54	0.8	67	400	0.17	0.90	194
	RTU-2	1,290				8			285		356	2,270	0.59		1,427
108	Hallway	470	Corridors	0	0.06	0	0	28	28	0.8	35	250	0.14	-	-
112	Laundry	189	Equipment Rm	0	0.12	0	0	23	23	0.8	28	350	0.08	-	-
113	Unisex	55	Public Restrooms	-	70 EA	-	-	-	-	-	-	50	-	-	70
118	Break Room	197	Break Rm	5	0.06	2	10	12	22	0.8	27	350	-	-	-
119	Storage	90	Storage	0	0.12	0	0	11	11	0.8	14	0	0.00	-	-
	RTU-3	1,001				2			84		104	1,000	0.10		70
120	Stacked Kennels	223	Pet Shops (animal areas)	7.5	0.18	1	8	40	48	0.8	60	200	0.30	0.90	201
121B	Medium Kennels B	976	Pet Shops (animal areas)	7.5	0.18	2	15	176	191	0.8	238	850	0.28	0.90	878
	RTU-4	1,199				2			238		298	1,050	1		1,079
122	Flex Play	283	Pet Shops (animal areas)	7.5	0.18	1	7.5	51	58	0.8	73	600	0.12	0.90	255
114	Electrical Rm	79	Electrical Rm	0	0.12	0	0	9	9	0.8	12	0	0.00	-	-
107	Large Daycare	902	Pet Shops (animal areas)	7.5	0.18	3	23	162	185	0.8	231	1,800	0.13	0.90	812
	RTU-5	1,264				4			253		316	2,400	0.44		1,067
110	Large Kennel	3,060	Pet Shops (animal areas)	7.5	0.18	4	30	551	581	0.8	726	2,400	0.30	0.90	2,754
	RTU-6	3,060				4			581		726	2,400	0		2,754
123	Small Daycare	944	Pet Shops (animal areas)	7.5	0.18	2	15	170	185	0.8	231	2,400	0.10	0.90	850
	RTU-7	944				2			185		231	3,000	0.28		850

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petsuites STAY • PLAY

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PE-2014027249

STATE OF MISSOURI
BRANDON M. MARZLEY
NUMBER PE-2014027249
PROFESSIONAL ENGINEER

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

MECHANICAL SCHEDULES

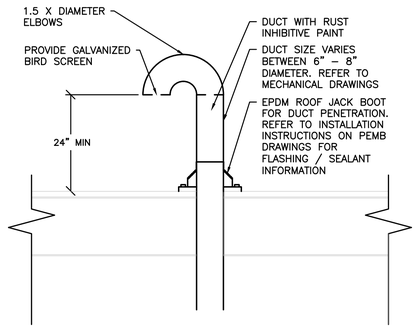
ISSUED FOR:	
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RECORD	-

PROJECT MANAGER	DESIGNER
KMW	JDF

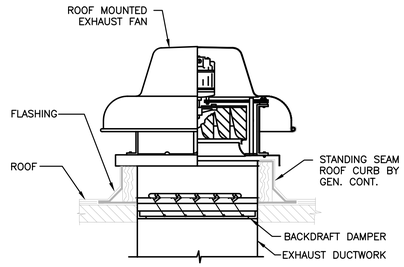
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M3.0

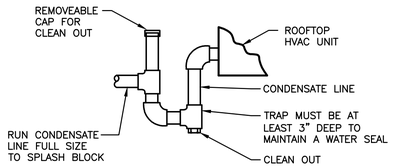
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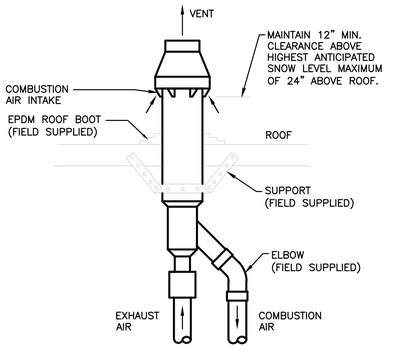
8 M4.0 EXHAUST DUCT DETAIL
SCALE: 3/4" = 1'–0"



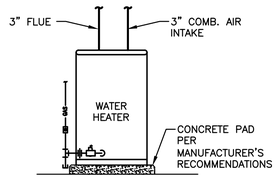
7 M4.0 ROOF–MOUNTED EXHAUST FAN DETAIL
SCALE: N.T.S.



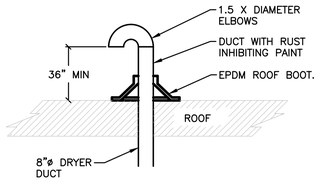
6 M4.0 CONDENSATE DRAIN PIPING DETAIL
SCALE: N.T.S.



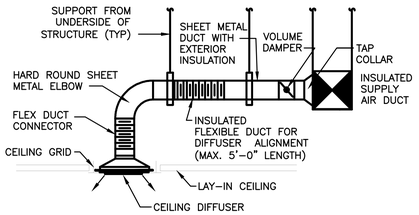
5 M4.0 WATER HEATER CONCENTRIC VENT
SCALE: N.T.S.



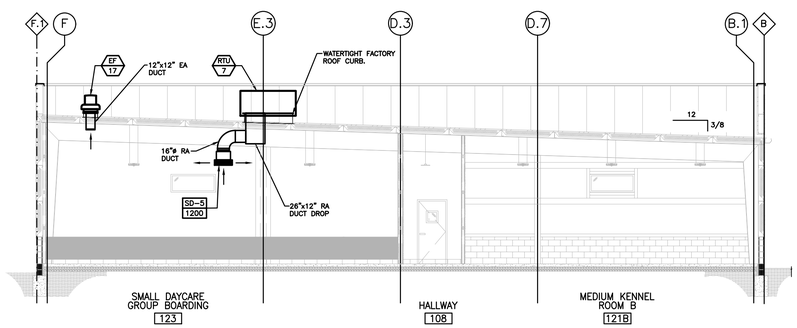
4 M4.0 GAS–FIRED WATER HEATER DETAIL
SCALE: N.T.S.



3 M4.0 DRYER VENT EXHAUST DUCT DETAIL
SCALE: N.T.S.



2 M4.0 CEILING DIFFUSER TAKE OFF DUCT DETAIL
SCALE: N.T.S.



1 M4.0 BUILDING SECTION
SCALE: 1/8"=1'–0"

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Brandon M. Marzley - Mechanical Engineer
PE-2014027249

STATE OF MISSOURI
BRANDON M. MARZLEY
NUMBER PE-2014027249
PROFESSIONAL ENGINEER

02/16/21

PETSUITES OF AMERICA
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LEE'S SUMMIT, MO 64086

MECHANICAL DETAILS & SECTIONS

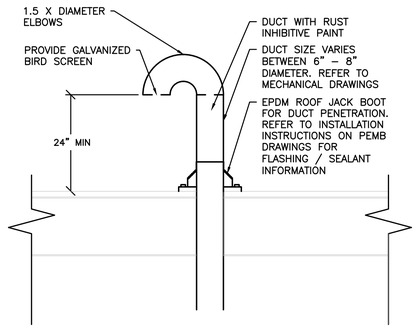
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PROJECT MANAGER	DESIGNER
KMW	JDF

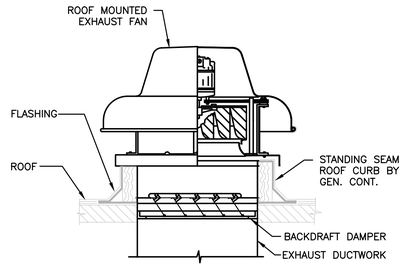
JOB NO. 2020155.27

M4.0

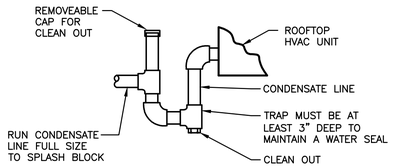
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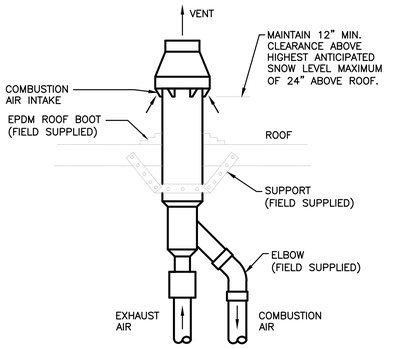
8 M4.0 EXHAUST DUCT DETAIL
SCALE: 3/4" = 1'–0"



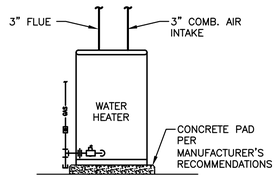
7 M4.0 ROOF–MOUNTED EXHAUST FAN DETAIL
SCALE: N.T.S.



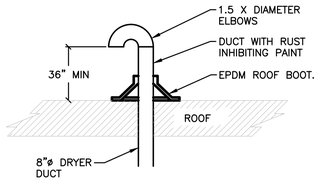
6 M4.0 CONDENSATE DRAIN PIPING DETAIL
SCALE: N.T.S.



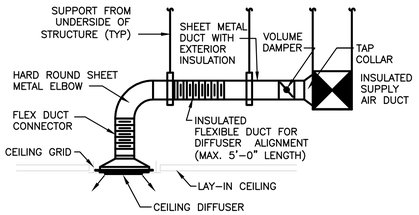
5 M4.0 WATER HEATER CONCENTRIC VENT
SCALE: N.T.S.



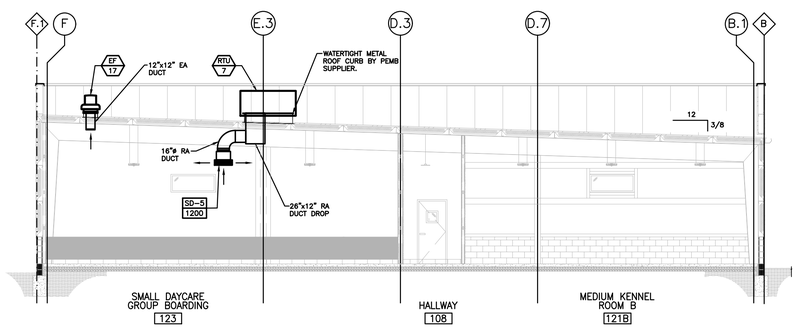
4 M4.0 GAS–FIRED WATER HEATER DETAIL
SCALE: N.T.S.



3 M4.0 DRYER VENT EXHAUST DUCT DETAIL
SCALE: N.T.S.



2 M4.0 CEILING DIFFUSER TAKE OFF DUCT DETAIL
SCALE: N.T.S.



1 M4.0 BUILDING SECTION
SCALE: 1/8"=1'–0"

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MECHANICAL DETAILS & SECTIONS

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PROJECT MANAGER	DESIGNER
XXX	XXX

JOB NO.
2020155.27

M4.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\415_M4.0 MECHANICAL DETAILS & SECTIONS_recover.dwg
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PIPE MATERIALS SCHEDULE

DOMESTIC WATER	COLD WATER	TYPE "L" HARD DRAWN COPPER TUBING ASTM B88, WITH WROUGHT COPPER SWEAT FITTINGS, ANSI B16.22 WITH 1" THICK MANVILLE MICRO-LOK HP INSULATION, LEAD FREE SOLDER. REFER TO NSF 61 & 2018 IPC 605.4 TABLE 605.4 FOR ADDITIONAL COMPLIANCE REQUIREMENTS.
	BELOW GRADE	TYPE 'K' SOFT ANNEALED COPPER ENCASED WITHIN A MINIMUM OF 10 MIL POLYESTHYLENE PLASTIC SLEEVE SEALED WATER TIGHT WITH POLYVINYL CLORIDE TAPE. REFER TO NSF 61 & 2018 IPC 605.4 TABLE 605.4 FOR ADDITIONAL COMPLIANCE REQUIREMENTS.
	HOT WATER	TYPE 'L' HARD DRAW N COPPER TUBING ASTM B88, W ITH WROGHT COPPER SW EAT FITTINGS, ANSI B16.22, WITH 1" THICK MANVILLE MICRO-LOK HP INSULATION, LEAD-FREE SOLDER, AND 5 FT/S MAX VELOCITY. REFER TO NSF 61 & 2018 IPC 605.4 TABLE 605.4 FOR ADDITIONAL REQUIREMENTS.
SANITARY WASTE	ABOVE FLOOR	NO-HUB CAST IRON PIPE AND FITTINGS, ASPHALTUM COATED, ASTM A-888 OR ASTM A-74 W ITH HUSKY SD-4000 HEAVY DUTY BAND STAINLESS STEEL COUPLINGS. ALTERNATE MATERIAL: PVC SCHEDULE 40 CONFORMING TO ASTM D2665 W HERE SPECIFICALLY PERMITTED BY A.H.J. SEE 2018 IPC 702.2 TABLE 702.2 FOR ADDITIONAL COMPLIANCE REQUIREMENTS.
	BELOW GRADE	NO-HUB CAST IRON PIPE AND FITTINGS, ASPHALTUM COATED, ASTM A-888 OR ASTM A-74 W ITH HUSKY SD-4000 HEAVY DUTY BAND STAINLESS STEEL COUPLINGS. ALTERNATE MATERIAL: PVC SCHEDULE 40 CONFORMING TO ASTM D2665 W HERE SPECIFICALLY PERMITTED BY A.H.J. SEE 2018 IPC 702.2 TABLE 702.2 FOR ADDITIONAL COMPLIANCE REQUIREMENTS.
SANITARY VENT	ABOVE FLOOR	NO-HUB CAST IRON PIPE AND FITTINGS, ASPHALTUM COATED, ASTM A-888 OR ASTM A-74 WITH ANACO STANDARD DUTY BAND STAINLESS STEEL COUPLINGS, CISPI-310 AND ASTM C-564.. ALTERNATE MATERIAL: PVC SCHEDULE 40 CONFORMING TO ASTM D2665 W HERE SPECIFICALLY PERMITTED BY A.H.J.SEE 2018 IPC 702.2 TABLE 702.2 FOR ADDITIONAL COMPLIANCE REQUIREMENTS.
	BELOW GRADE	NO-HUB CAST IRON PIPE AND FITTINGS, ASPHALTUM COATED, ASTM A-888 OR ASTM A-74 W ITH ANACO STANDARD DUTY BAND STAINLESS STEEL COUPLINGS, CISPI-310 AND ASTM C-564.. ALTERNATE MATERIAL: PVC SCHEDULE 40 CONFORMING TO ASTM D2665 W HERE SPECIFICALLY PERMITTED BY A.H.J. SEE 2018 IPC 702.2 TABLE 702.2 FOR ADDITIONAL COMPLIANCE REQUIREMENTS.
CONDENSATE/ INDIRECT WASTE DRAIN	WITHIN BUILDING	NTYPE 'L' HARD DRAW N COPPER TUBING ASTM B88, W ITH W ROUGHT COOPER SW EAT FITTINGS, ANSI B16.22. W ITH 1" THICK MANVILLE MICRO-LOK HP INSULATION
CORROSION PROTECTION	BELOW GRADE	ALL METALLIC PIPING SHALL E ENCASED W ITH10 MIL. MINIMUM POLYETHYLENE PLASTIC SLEEVE. ALL FITTINGS, VALVES, ETC. THAT ARE NOTE ABLE TO BE ENCASED WITHING SLEEVES SHALL BE PROVIDED A HEAVY COAD OF 'HENRY'S' OIL. BASE ROOF MASTIC OVER ENTIRE SURFACE AND W RAPPED ENTIRE COMPONENT BY 10 MIL FERGUSON POLYETHYLENE W RAP WITH OVERLAPPED 50% OF THE CIRCUMFERENCE. SECURE ENDS AND SEAMS BY 3M SCOTCH, 10 MIL, 2" WIDE PIPE W RAP SEALING TAPE
NATURAL GAS	INTERIOR/ EXTERIOR	BLACK STEEL SCHEDULE 40, ASTME B36.10, 10M OR ASTMA 53/A53M OR ASTM A 106 COMPLIANT. PROVIDE WEATHER-PROOF COATING ON ALL EXPOSED GAS PIPING IN ORDER TO PROTECT FROM CORROSION.

PLUMBING LEGEND

G	GAS PIPING
SAN	UNDERGROUND SANITARY PIPING
SAN	ABOVE GROUND SANITARY DRAIN PIPING
V	SANITARY VENT PIPING
W	UNDERGROUND COLD WATER PIPING
CW	DOMESTIC COLD WATER PIPING
HW	DOMESTIC HOT WATER PIPING
HWR	DOMESTIC HOT WATER RETURN PIPING
SD	BELOW FLOOR STORM DRAINAGE PIPING
SSD	SUB-SOIL DRAIN OR FOOTING DRAIN PIPING
	GATE VALVE
	CHECK VALVE
	BALL VALVE
	BALANCING VALVE
CD	CONDENSATE DRAIN PIPING
CO	CLEAN OUT
GCO	GRADE CLEAN OUT
FD	FLOOR DRAIN
HD	HUB DRAIN
FS	FLOOR SINK
AD	AREA DRAIN
TD	TRENCH DRAIN
1	DRAWING NOTE SYMBOL
	ELBOW DOWN
VTR	VENT THROUGH ROOF
FWH	FROSTPROOF WALL HYDRANT
FYH	FROSTPROOF YARD HYDARANT
HB	HOSE BIBB
CB	CATCH BASIN
WH	WATER HEATER

GENERAL NOTES:

A. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK. VERIFY ALL DIMENSIONS. DRAWINGS ARE ILLUSTRATIVE AND MAY NOT REFLECT EXACT CONDITIONS OR DIMENSIONS.

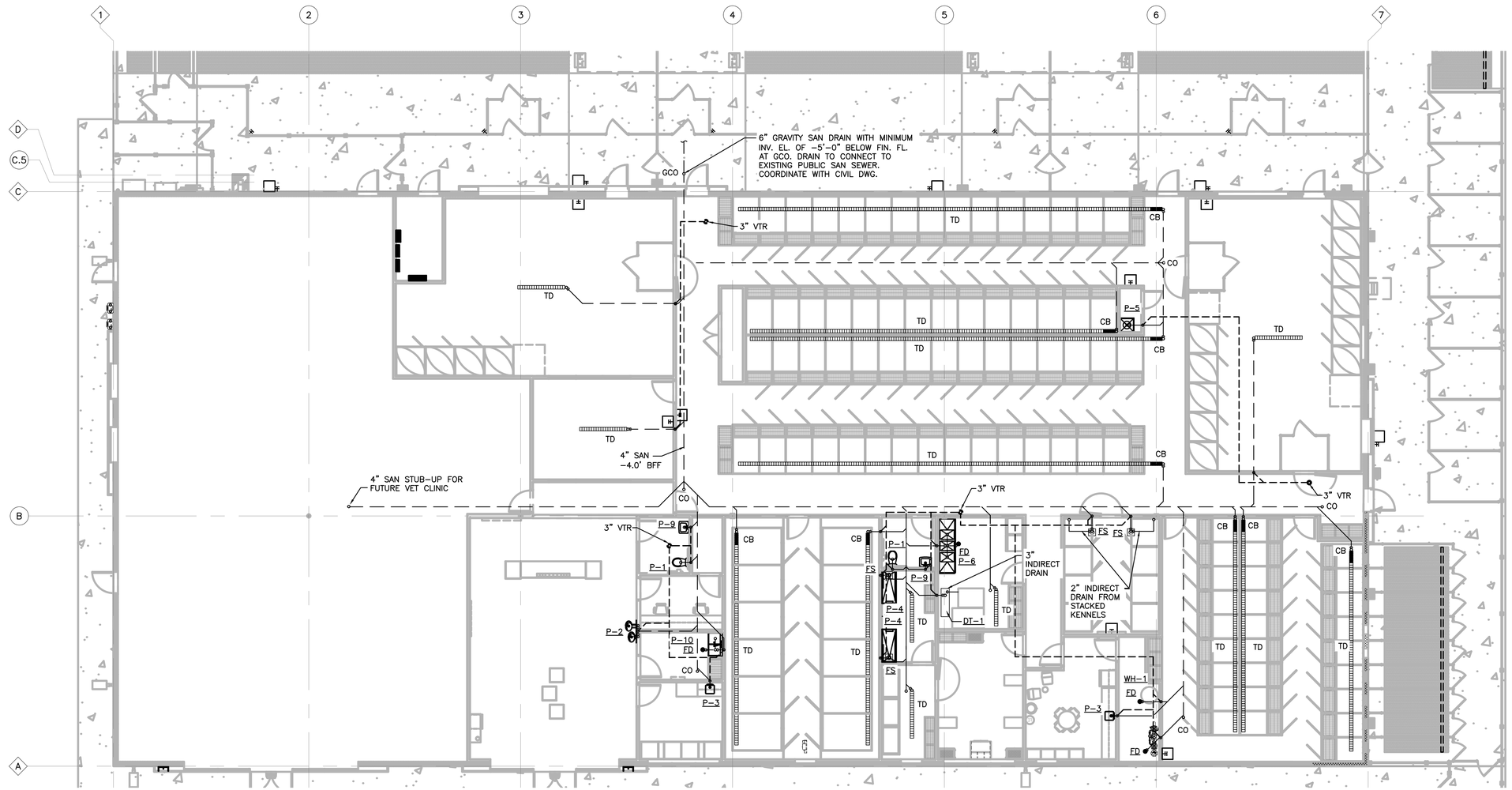
B. THE GENERAL ARRANGEMENT OF EQUIPMENT AND SYSTEMS ONLY ARE SHOWN, THEY ARE NOT INTENDED TO SHOW EVERY OFFSET, FITTING AND COMPONENT. DO NOT USE THE PLANS FOR EXACT LOCATION OF EQUIPMENT, FIXTURES OR ARCHITECTURAL ITEMS SUCH AS WALLS, WINDOWS, SOFFITS, AND PILASTERS. SPECIFIC LOCATIONS, MOUNTING HEIGHTS AND OVERALL DIMENSIONS OF DEVICES ARE TO BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS AND DETAILS WHEN AVAILABLE.

C. DRAWINGS SPECIFIC TO THIS TRADE DO NOT LIMIT THE RESPONSIBILITY OR WORK REQUIRED BY THIS CONTRACTOR. REFER TO ALL OF THE CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS OF OTHER TRADES FOR A COMPLETE SCOPE OF WORK FOR THIS CONTRACTOR PRIOR TO BID.

D. WHERE CONFLICTS EXIST AMONG DRAWINGS, SPECIFICATIONS AND EQUIPMENT SCHEDULES, THE MORE STRINGENT SHALL APPLY. NOTIFY THE ENGINEER OF ALL CONFLICTS FOR RESOLUTION OR INTERPRETATION.

E. NOTIFY THE OWNER IN WRITING AND FIELD VERIFY CONDITIONS BEFORE PERFORMING ANY SAW CUTTING, TRENCHING, CORING OR ANY OTHER STRUCTURAL MODIFICATIONS. INSURE THAT NO ADVERSE EFFECT TO THE BUILDING'S STRUCTURAL INTEGRITY WILL OCCUR.

F. ANY EXISTING CONDITION DISCOVERED DURING DEMOLITION OR CONSTRUCTION PROCESS WHICH, BY GENERALLY ACCEPTED CONSTRUCTION PRACTICES, SHOULD BE REMEDIED, SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER/ARCHITECT IMMEDIATELY, IN WRITING.



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A	02.12.21	ADDENDUM 1

Brandon M. Marzley - Mechanical Engineer
PE-2014027249

STATE OF MISSOURI
BRANDON M. MARZLEY
NUMBER PE-2014027249
PROFESSIONAL ENGINEER

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

SANITARY PLUMBING FLOOR PLAN

ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	CJR

JOB NO. 2020155.27

P1.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\500_P1.0 SANITARY PLUMBING FLOOR PLAN.dwg
---- - akolesar

REFER TO SHEET P1.0 FOR PIPE MATERIALS SCHEDULE

NATURAL GAS SERVICE TO EXISTING GAS UTILITY MAIN IN STREET. COORDINATE WITH CIVIL PLAN.

PROVIDE (2) NATURAL GAS METERS.
PET SUITES GAS LOAD IS A MINIMUM 994 CFH CAPACITY.
FUTURE VET CLINIC ESTIMATED GAS LOAD IS 620 CFH CAPACITY.
PROVIDE GAS SERVICES AT 7" W.C.

ROUTE GAS PIPING FROM METER OUTLET INTO WALL CAVITY AND UP TO ROOF. COORDINATE WITH OTHER TRADES AND LOCAL CODE REQUIREMENTS.

GUH 2 — 250 MBH TEMPORARY HEATING

GUH 1 — 250 MBH TEMPORARY HEATING

RTU 2 V — 250 MBH FUTURE FOR VET CLINIC

RTU 1 V — 250 MBH FUTURE FOR VET CLINIC

120 MBH FUTURE FOR VET CLINIC WATER HEATER, OR MISC

CONTRACTOR SHALL CONFIRM WALL HYDT LOCATION WITH OWNER PRIOR TO PERFORMING WORK.

PROVIDE 1-1/4" TAP WITH SHUT-OFF FOR FUTURE VET CLINIC

3/4" CW DOWN FROM ABOVE TO REELCRAFT MODEL 7850 OLPSW57 AUTOMATIC WATER HOSE REEL. MOUNT SOV IN ADJACENT WALL AS SHOWN. SEE ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.

ROUTE 1-1/4" BRANCH MAIN CLOSE TO BOTTOM OF STRUCTURE FOR FUTURE VET CLINIC

WATTS MODEL LF007-M2QT DOUBLE CHECK BACKFLOW PREVENTER.

1-1/2" RPZ WATTS MODEL 009-M2QT BACKFLOW PREVENTER FOR PET SUITES OF AMERICA

1-1/4" RPZ WATTS MODEL 009-M2QT BACKFLOW PREVENTER FOR FUTURE VET CLINIC

6" FIRE SPRINKLER SERVICE TO EXISTING WATER MAIN. COORDINATE WITH CIVIL PLAN.

2" WATER SERVICE TO EXISTING WATER MAIN AND REMOTE WATER METER COORDINATE WITH CIVIL PLAN.

3/4" CW AND HW DOWN IN WALL.

P-4 WASH BASIN BY OWNER, INSTALL BY PLMG. CONT. TYP. FOR 2

CW UNDER GRADE BELOW FROST

CW UNDER FLOOR

CW ABOVE FLOOR

ELECTRICAL ROOM 114

LARGE DAYCARE GROUP BOARDING 107

RTU 5 — 150 MBH

STORAGE —

DOG BOARDING A 110

RTU 6 — 150 MBH

JAN. —

P-5

SMALL DAYCARE GROUP BOARDING 123

RTU 7 — 110 MBH

FLEX, PLAY & TRAIN ROOM 122

HALLWAY 108

I.T. CLOSET 104

RTU 2 — 150 MBH

UNISEX 102

OFFICE 105

LOBBY 100

RTU 1 — 82 MBH

STORAGE ROOM 119

CAT BOARDING ROOM 101

TOWNHOUSE ROOM 111

UNISEX 113

LAUNDRY 112

BATHING 115

RTU 3 — 60 MBH

STACKED KENNEL ROOM 119

GROOMING 117

DRYING 116

BREAK ROOM 118

UTILITY ROOM —

RTU 4 — 150 MBH

WH-1 — 120 MBH

PMP-1

DOG BOARDING B 121

1 P2.0 FLOOR PLAN – PLUMBING – GAS & WATER
SCALE: 1/8"=1'-0"

NORTH

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GAS & WATER PLUMBING FLOOR PLAN

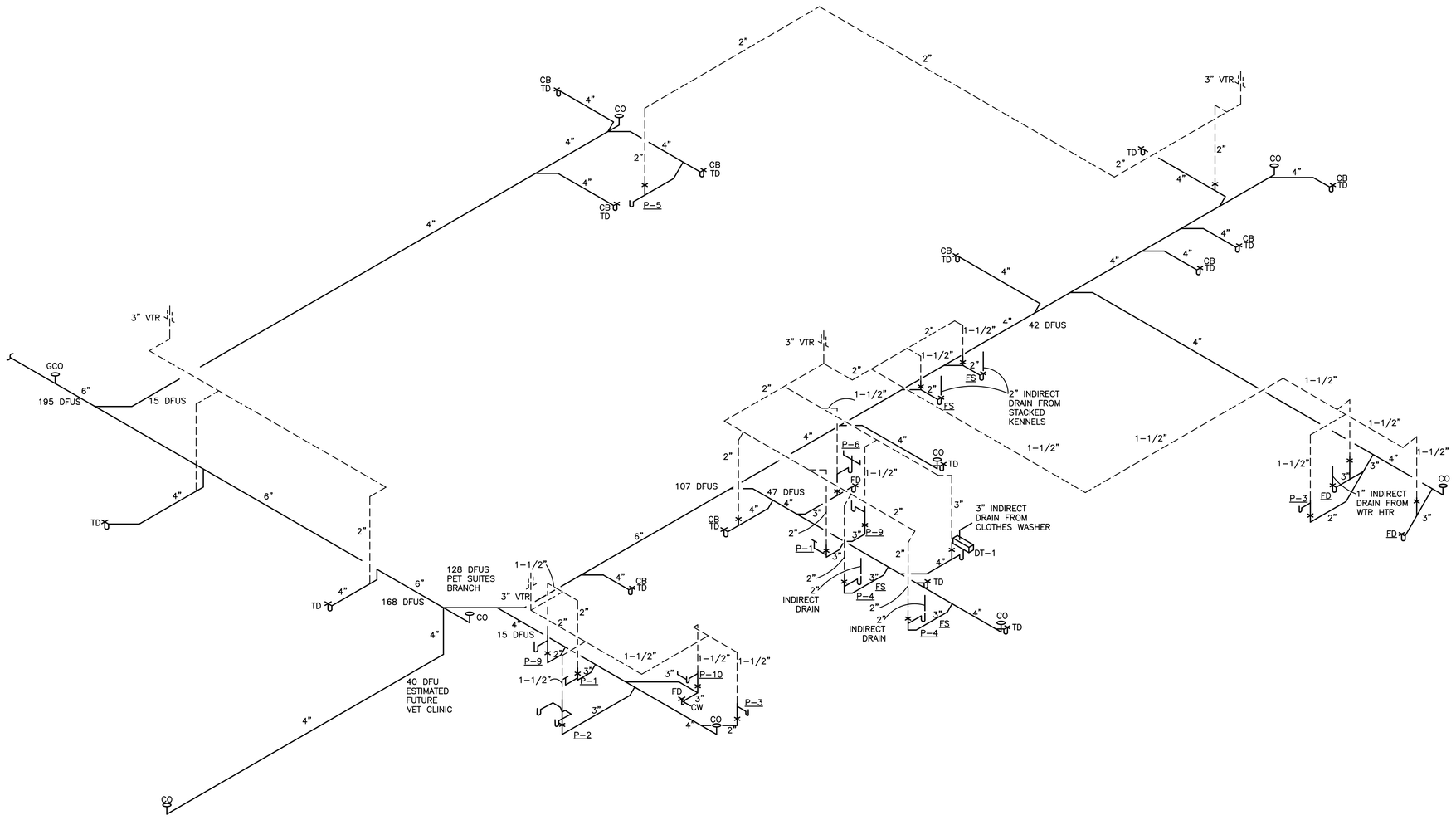
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P2.0

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akelsear



1 P3.0 PLUMBING – SANITARY AND VENTILATION ISOMETRC
SCALE: N.T.S.

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SANITARY, WASTE, & VENTILATION PLUMBING ISOMETRICS

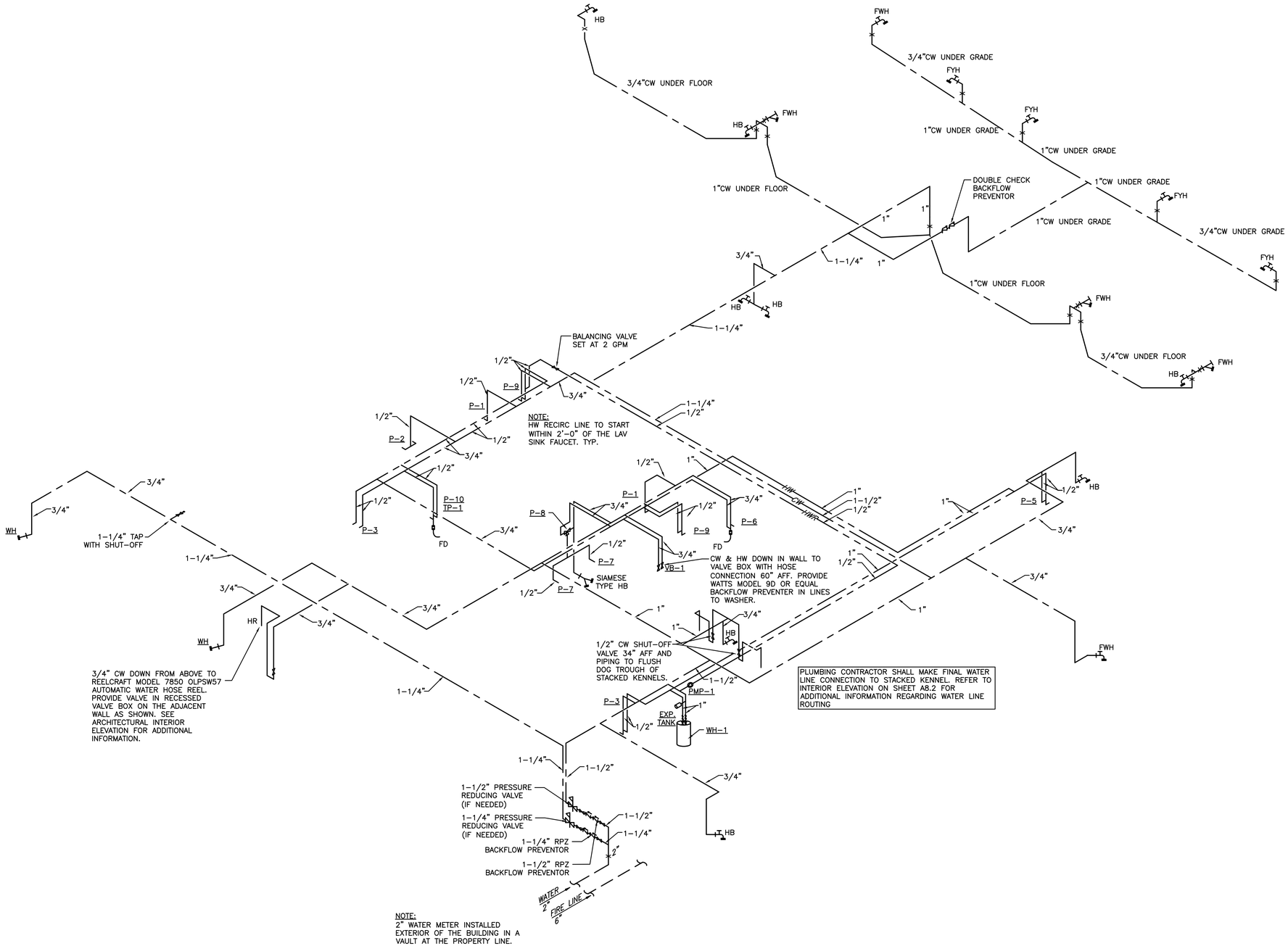
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2020155.27

P3.0

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User: akostear



1 P4.0 PLUMBING – DOMESTIC WATER ISOMETRIC
SCALE: N.T.S.

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WATER PLUMBING ISOMETRIC

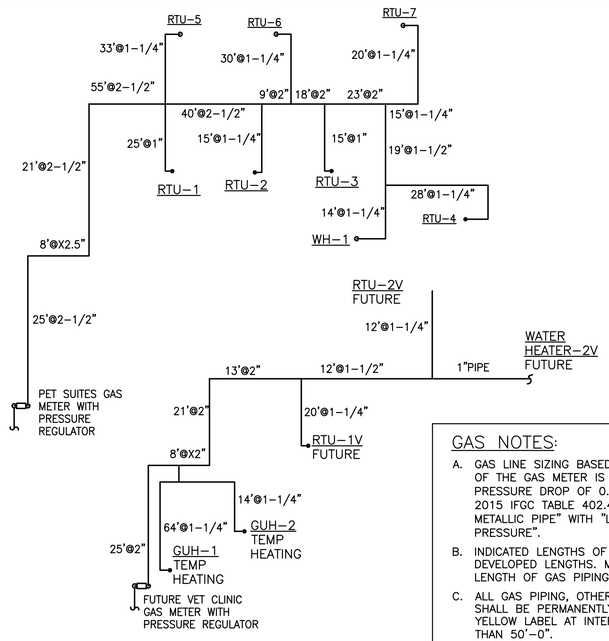
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1 P5.0 GAS RISERS
SCALE: N.T.S.

GAS NOTES:

A. GAS LINE SIZING BASED ON PRESSURE OUT OF THE GAS METER IS AT 7.0" W.C. AND A PRESSURE DROP OF 0.5" W.C. P.D. PER THE 2015 IFGC TABLE 402.4(2) "SCHEDULE 40 METALLIC PIPE" WITH "LESS THAN 2 PSI INLET PRESSURE".

B. INDICATED LENGTHS OF PIPE ARE EQUIVALENT DEVELOPED LENGTHS. MAXIMUM DEVELOPED LENGTH OF GAS PIPING IS 160'-0".

C. ALL GAS PIPING, OTHER THAN BLACK STEEL, SHALL BE PERMANENTLY IDENTIFIED BY A YELLOW LABEL AT INTERVALS OF NOT MORE THAN 50'-0".

D. ALL OUTSIDE EXPOSED GAS PIPING SHALL BE COATED WITH A RUST INHIBITOR TO PREVENT ATMOSPHERIC CORROSION.

E. GAS PIPING SHALL BE INSPECTED AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF IFGC 406.1, NFPA 54 AND ANSI B 31.2.

F. MAINTAIN PIPING A MINIMUM OF 3'-0" AWAY FROM ELECTRIC LINES.

WATER DESIGN CRITERIA:

1. WATER SUPPLY FIXTURE UNITS FOR THE PROJECT'S PLUMBING FIXTURES TOTAL 60 FIXTURE UNITS WITH PREDOMINATELY FLUSH TANKS FOR AN ESTIMATED DEMAND LOAD OF 32 GPM ACCORDING TO THE 2015 IPC Table E103.3(3).
2. INTERNAL PIPING FOR THE PROJECT IS 250' OF RUN, SO WITH A PRESSURE RANGE OF 40 TO 60 PSI AVAILABLE, A 1" METER AND SERVICE LINE AND A 1-1/2" DISTRIBUTION LINE WILL SUPPORT 78 FIXTURE UNITS WITH A 250' RUN ACCORDING TO THE 2015 IPC TABLE E201.1 FOR "MINIMUM SIZE OF WATER METERS, MAINS AND DISTRIBUTION PIPING".
3. GALLONS PER DAY FOR THE PROJECT IS ESTIMATED WITH GPD FIGURES ASSIGNED BASED ON USAGE, AS FOLLOWS: 10 GPD IS ASSIGNED TO EACH ANIMAL CAGE AND 20 GPD IS ASSIGNED FOR EVERY EMPLOYEE. THERE ARE 157 CAGES SHOWN ON THE DRAWINGS FOR THE PROJECT AND 12 EMPLOYEES. THEREFORE:

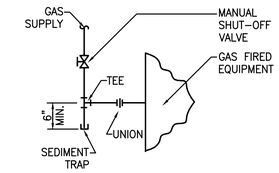
   157 CAGES x 10 GPD/CAGE + 12 EMPLOYEES x 20 GPD/EMPLOYEE = 1810 GPD. THAT IS THE ESTIMATED DEMAND LOAD FOR THE FACILITY.

FUTURE VET GAS LOADS

EQUIPMENT	MBH
WH-1	120
GUH-1 OR RTU-1	250
GUH-2 OR RTU-2	250
TOTAL	620 MBH

PET SUITES GAS LOADS

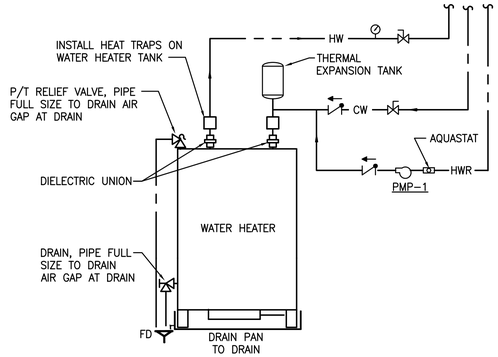
EQUIPMENT	MBH
WH-1	120
RTU-1	82
RTU-2	150
RTU-3	60
RTU-4	150
RTU-5	150
RTU-6	180
RTU-7	110
TOTAL	1002 MBH



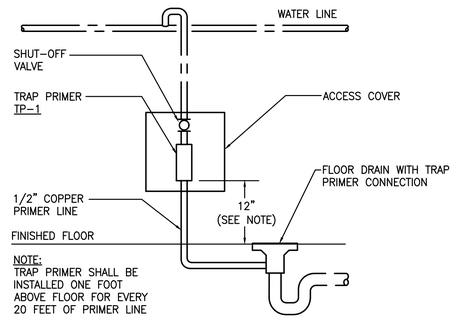
2 P5.0 EQUIPMENT GAS PIPING
SCALE: N.T.S.

PLUMBING FIXTURE SCHEDULE

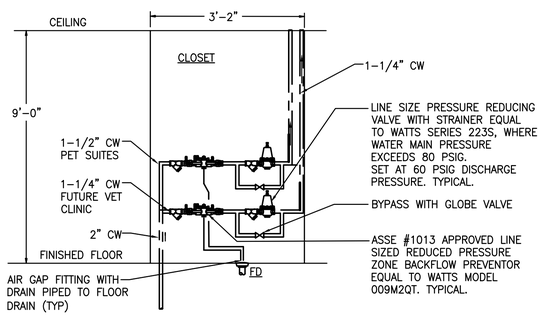
MARK	DESCRIPTION	SAN	VENT	CW	HW
P-1	WATER CLOSET: EQUAL TO AMERICAN STANDARD "CADET" RIGHT HEIGHT MODEL 2467.016, WHITE, FLOOR MOUNTED, ELONGATED BOWL, PRESSURE ASSISTED, 1.6 GPF; SEAT: BEMIS MODEL 1955C, WHITE OPEN FRONT LESS COVER; CHROME PLATED SUPPLY STOP, MEETS ADA REQUIREMENTS	4"	2"	1/2"	–
P-2	BI-LEVEL DRINKING FOUNTAIN: EQUAL TO HALSEY TAYLOR OVL-II SEBP, STAINLESS STEEL BASIN, NON-FILTERED, NON-REFRIGERATED MODEL 7434004883, WITH DOUBLE BUBBLER FRONT BUTTON, WALL MOUNTING TYPE, TWO STATION FIXTURE, INSTALLATION SHALL COMPLY WITH ALL CURRENT ADA REQUIREMENTS. HIGH SPOUT SHALL BE MOUNTED AT 42" AFF AND LOW SPOUT AT 36" AFF. DIMENSIONS: 38.5"Lx19"Wx22"H, WEIGHT IS 55 LBS.	1-1/2"	1-1/2"	1/2"	–
P-3	SINK: 20"x17"x7"DEEP, 20 GA. 304 18-8 STAINLESS STEEL, (3) HOLE PUNCH EQUAL TO JUST SL-2017-B-GR WITH FAUCET EQUAL TO AMERICAN STANDARD "COLONY" 4175.700.F15, 1.5 GPM, 8" CENTERS WITH SWING SPOUT, DRAIN EQUAL TO JUST J-35-FS STAINLESS STEEL CUP STRAINER, SUPPLIES & TRAP.	1-1/2"	1-1/2"	1/2"	1/2"
P-4	WASH BASIN: OWNER FURNISHED AND CONTRACTOR INSTALLED. PROVIDE AN INDIRECT DRAIN TO F.S.	1-1/2"	–	–	–
P-5	MOP SINK: 24"x24X10", MOLDED FIBERGLASS FLOOR MOUNTED EQUAL TO E.L. MUSTEE MODEL #63M WITH WALL MOUNTED FAUCET MODEL #63.600A WITH INTEGRAL VACUUM BREAKER, SERVICE HOSE MODEL #65.700 AND MOP HANGER MODEL#65.600.	1-1/2"	1-1/2"	1/2"	1/2"
P-6	THREE COMPARTMENT SINK: TURBO AIR MODEL TSA-3-14-D1, 18 GA. TYPE 304 STAINLESS STEEL, TWO 18" DRAIN BOARDS, 18"x18"x14" SIZE BOWLS, WALL MOUNT FAUCET: T&S MODEL B-0231 WITH 8" CENTERS AND T&S MODEL B-3950 WASTE VALVES WITH TWIST HANDLES.	2"	1-1/2"	1/2"	1/2"
P-7	SPRAY NOZZLE AND HOSE: T&S MODEL B-0950-VB MANUAL ANGLED SPRAY VALVE & 6' FLEXIBLE STAINLESS STEEL HOSE, ASSE 1001 LISTED WITH VACUUM BREAKER. FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.	–	–	1/2"	–
P-8	MIXING VALVE: MOUNT RECESSED IN WALL IN VALVE CABINET EQUAL TO SYMMONS 7230BCKMT.	–	–	3/4"	3/4"
P-9	LAVATORY SINK: 20"x18" WHITE VITREOUS CHINA, WALL HUNG, 4" CENTERS, FRONT OVERFLOW EQUAL TO AMERICAN STANDARD "LUCERNE" MODEL 0355.012 WITH SINGLE LEVER FAUCET EQUAL TO AMERICAN STANDARD "COLONY" 2175.504 WITH 0.50 GPM AERATOR, CHROME PLATED GRID DRAIN, 1-1/4"x 1-1/2" TRAP & SUPPLIES, INSULATION EQUAL TO TRUEBRO "LAV GUARD" TRAP & SUPPLY INSULATORS AND CARRIER EQUAL TO J.R. SMITH FIG. 0700. ASSE 1070 TEMPERING ANTI-SCALD VALVE – SET TO 110°F EQUAL TO POWERS HYDROGUARD e480. MOUNT AT BARRIER-FREE HEIGHT. MEETS ADA GUIDELINES.	1-1/2"	1-1/2"	1/2"	1/2"
P-10	UTILITY SINK: 24"x40" DOUBLE BOWL, MOLDED FIBERGLASS FLOOR MOUNTED WITH LEGS EQUAL TO MUSTEE MODEL #26F AND DECK MOUNTED FAUCET EQUAL TO MUSTEE MODEL #93.600 WITH 2.2 GPM AERATOR	1-1/2"	1-1/2"	1/2"	1/2"
FD	FLOOR DRAIN: CAST IRON BODY, FLASHING COLLAR, NICKEL BRONZE ADJUSTABLE STRAINER, EQUAL TO WATTS MODEL FD-100-A.	SEE PLAN	–	–	–
CO	FLOOR CLEANOUT: CAST IRON BODY, NICKEL BRONZE ADJUSTABLE TOP EQUAL TO WATTS CO5 SERIES. WALL CLEANOUT: CAST IRON BODY, STAINLESS STEEL COVER EQUAL TO WATTS MODEL CO48 SERIES. GRADE CLEANOUT: CAST IRON BODY AND ADJUSTABLE CAST IRON TOP EQUAL TO WATTS MODEL CO6 SERIES. INSTALL IN 12"x12"x4" CONCRETE PAD.	–	–	–	–
FWH	ANTI-SIPHON, FREEZELESS, WALL HYDRANT: EQUAL TO WOODFORD MODEL 17C3-24-MH WITH WHEEL HANDLE.	–	–	3/4"	–
FYH	ANTI-SIPHON, FREEZELESS, YARD HYDRANT: EQUAL TO WOODFORD MODEL Y30BR WITH SUFFICIENT DEPTH BELOW FROST. INSTALL WATTS MODEL 9D-M2 OR EQUAL BACKFLOW PREVENTOR ON SUPPLY LINE INSIDE BUILDING.	–	–	3/4"	–
HB	ANTI-SIPHON HOSE BIBB: EQUAL TO WOODFORD MODEL 17CC, POLISHED CHROME FINISH WITH WHEEL HANDLE.	–	–	3/4"	–
WH-1	WATER HEATER: EQUAL TO A.O. SMITH BTH-120, 60 GALLON STORAGE TANK, 138 GPH @ 100°F TEMPERATURE RISE, 120 MBH NATURAL GAS INPUT, ENERGY FACTOR 0.82, WITH T&P RELIEF VALVE WITH FULL SIZE DISCHARGE. INSTALL 4-1/2 GALLON EXPANSION TANK, EQUAL TO AMTROL ST-12, IN COLD WATER SUPPLY TO WATER HEATER. 3" FLUE AND COMBUSTION AIR INTAKE CONNECTIONS.	–	–	1"	1"
PMP-1	HOT WATER RECIRCULATING PUMP: EQUAL TO BELL & GOSSETT MODEL NBF25 INLINE, ALL BRONZE, 5 GPM @ 15' HEAD, 125 WATTS, 120V-1PH WITH B&G MODEL AQS-3/4 AQUASTAT TO AUTOMATICALLY START AND STOP PUMP WHEN HOT WATER SYSTEM IS IN USE.	–	–	–	3/4"
DT-1	DRAIN TROUGH: EQUAL TO HM COMPANY DRAIN TROUGH WITH LINT FILTER, 48"Lx12"Wx10"H.	4"	–	–	–
VB-1	VALVE BOX: OATEY MODA 2-VALVE BOX #37392 WITH FACEPLATE. PROVIDE WITH #37500/37501 H/C VALVES AND #37516 3/4" COPPER TAILPIECE ADAPTER.	–	–	3/4"	3/4"
TP-1	TRAP PRIMER, AUTOMATIC, ALL BRONZE BODY WITH INTEGRAL VACUUM BREAKER, NON-LINING INTERNAL OPERATING ASSEMBLY WITH GASKETED BRONZE COVER, 1/2" IP FEMALE CONNECTION SERVES 1 TO 8 FLOOR DRAIN TRAPS. PPP INC. MODEL OREGON NO. 1. PROVIDE SUPPLY TUBE MODEL SS-8 FOR 2 TO 4 DRAINS.	–	–	1/2"	–
FS	FLOOR SINK: ACID RESISTANT PORCELAIN ENAMEL CAST IRON BODY, LOOSE SET ACID RESISTANT PORCELAIN ENAMEL COATED CAST IRON 3/4 GRATE, 12"x12"x6" DEEP, SEDIMENT BUCKET EQUAL TO WADE MODEL FS-730.	4"	–	–	–
WH	NON-FREEZE ENCLOSED WALL HYDRANT: EQUAL TO WOODFORD MODEL B65P, CHROME PLATED BRASS AND COPPER CONSTRUCTION, WITH VACUUM BREAKER, DRAIN AND KEYED ACCESS.	–	–	1/2"	–
HR	CEILING MOUNTED HOSE REEL: REELCRAFT MODEL 7850 OLPSW57 AUTOMATIC WATER HOSE REEL WITH VALVE MOUNTED TO BUILDING STRUCTURE.	–	–	3/4"	–
TD	TRENCH DRAIN: ZURN Z886 PERMA-TRENCH PRE-SLOPED POLYPROPYLENE TRENCH DRAIN SYSTEM WITH POLYPROPYLENE FRAME AND SEDIMENT BASKET (SEE SB1 AND CB1), P6-HPP (STANDARD) POLYPROPYLENE GRATE (COLOR: GRAY). FINISHED GRATE SURFACE MUST BE SMOOTH AND WITHOUT TEXTURE OR RAISED TREAD. FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.	SEE PLAN	–	–	–
SB1	CHANNEL SEDIMENT BASKET: ZURN Z886-86 STAINLESS STEEL MESH SCREEN BODY CHANNEL SEDIMENT BUCKET WITH STAINLESS STEEL HANDEL AND FRAME – SEE PLAN FOR LOCATIONS. FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.	SEE PLAN	–	–	–
SB2	CATCH BASIN SEDIMENT BASKET: Z817 CARBON STEEL SEDIMENT BASKET (PART #568830014 / ITEM ID: CB-Y-6X20) WITH HANDEL – SEE PLAN FOR LOCATIONS. FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.	SEE PLAN	–	–	–
CB1	CATCH BASINS: ZURN Z887-6 HIGH DENSITY POLYETHYLENE CATCH BASIN (6"w x 20"l x 22"d) WITH P6-HPP (STANDARD) POLYPROPYLENE GRATE (COLOR: GRAY) AND SEDIMENT BASKET – SEE PLAN FOR LOCATIONS. FINISHED GRATE SURFACE MUST BE SMOOTH AND WITHOUT TEXTURE OR RAISED TREAD. FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.	SEE PLAN	–	–	–



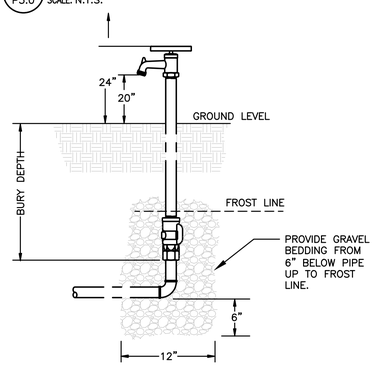
3 P5.0 WATER HEATER DETAIL
SCALE: N.T.S.



4 P5.0 TRAP PRIMER DETAIL
SCALE: N.T.S.



5 P5.0 WATER SERVICE ELEVATION
SCALE: N.T.S.



6 P5.0 FROST PROOF YARD HYDRANT DETAIL
SCALE: N.T.S.

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REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Brandon M. Marzley - Mechanical Engineer
PE-2014027249

STATE OF MISSOURI
BRANDON M. MARZLEY
NUMBER PE-2014027249
PROFESSIONAL ENGINEER

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

PLUMBING SCHEDULES & DETAILS

ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	CJR

JOB NO.
2020155.27

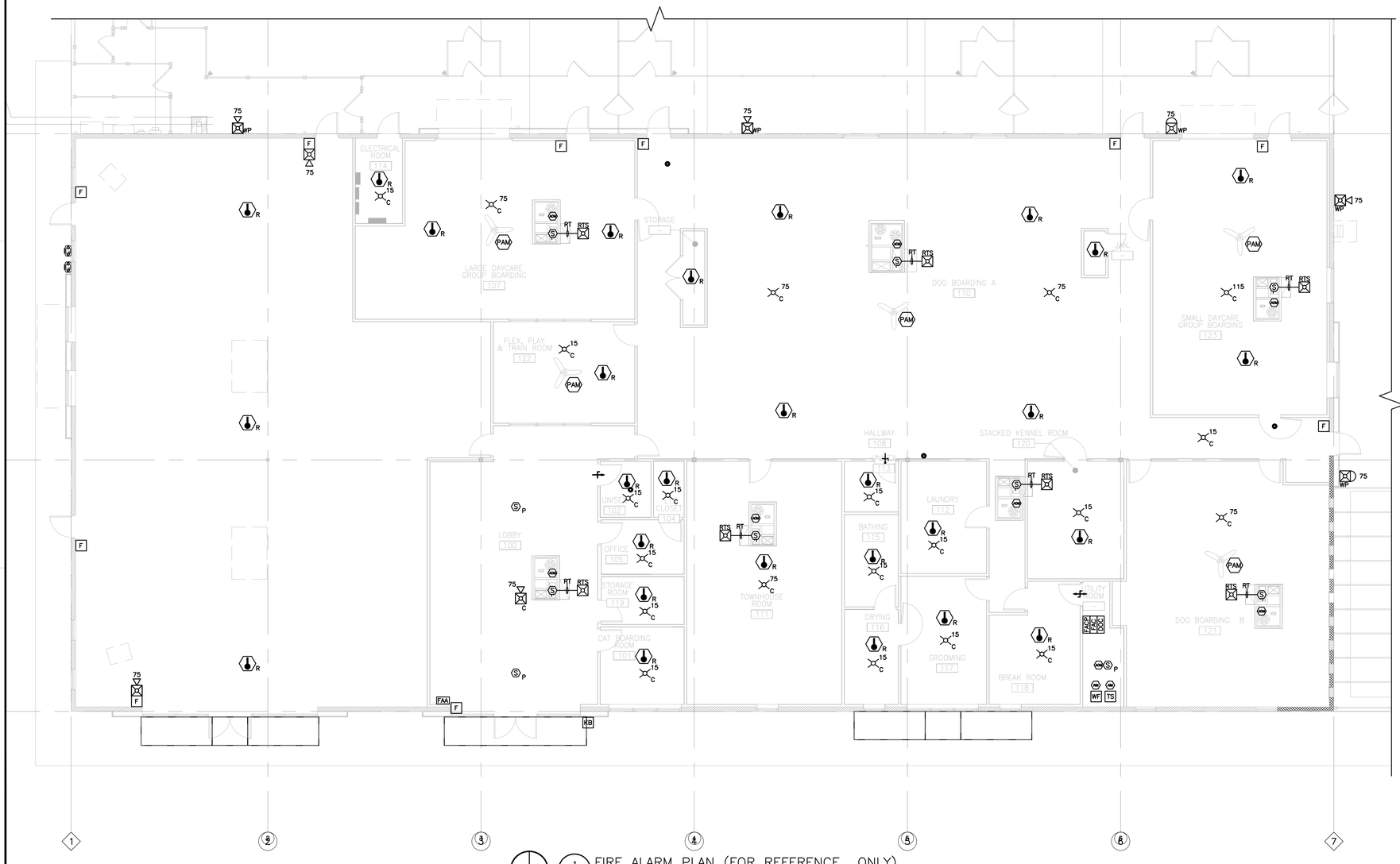
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GENERAL NOTES

1. FIRE ALARM DEVICES ARE SHOWN FOR REFERENCE ONLY. FINAL DESIGN SHALL BE PERFORMED BY A NICET CERTIFIED DESIGNER PER THE CURRENT NFPA FOR APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION
2. E.C. SHALL PROVIDE AND INSTALL A MINIMUM SIZE OF 3/4" EMPTY CONDUIT WITH PULLSTRING WHERE CONDUIT IS REQUIRED. COORDINATE WITH FIRE ALARM VENDOR PRIOR TO BID. SEE GENERAL NOTES ON SHEET E2.0 FOR ADDITIONAL INFORMATION.
3. FIRE ALARM SHALL BE A SILENT KNIGHT FARENHYT SYSTEM.

- BASE BID: CONTRACTORS BID TO INCLUDE PRICING FOR OWNER'S PREFERRED FIRE ALARM VENDOR TO PROVIDE COMPLETE FIRE ALARM SYSTEM.
- ALTERNATE BID: CONTRACTORS BID TO INCLUDE PRICING FOR ELECTRICAL CONTRACTOR TO PROVIDE COMPLETE FIRE ALARM SYSTEM.



NORTH 1 FP1.0 FIRE ALARM PLAN (FOR REFERENCE ONLY)
SCALE: 1/8"=1'-0"

FIRE ALARM DEVICE LEGEND

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
FAC	FIRE ALARM COMMUNICATOR
DOC	FIRE ALARM DOCUMENT BOX
S P	SMOKE DETECTOR – PHOTOELECTRIC
R	HEAT DETECTOR – RATE OF RISE ONLY
F	FIRE ALARM PULL STATION
AIM	ADDRESSABLE INPUT MODULE
AOM	ADDRESSABLE OUTPUT MODULE
PAM	PAM RELAY
S	SMOKE DETECTOR – DUCT
RTS	REMOTE ALARM INDICATING AND TEST SWITCH
C	HORN / STROBE – CEILING MOUNT
WP	HORN / STROBE – WALL MOUNT – WEATHERPROOF
WP	STROBE – WALL MOUNT – WEATHERPROOF
C	STROBE – CEILING MOUNT
EOL RE	END OF LINE – RESISTOR
	CIRCUIT CONTINUATION
KB	KNOX BOX
WF	SPRINKLER WATERFLOW SWITCH
TS	SPRINKLER TAMPER SWITCH

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REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

FOR REFERENCE ONLY

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

FIRE ALARM PLAN

ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	RMB

JOB NO.
2020155.27

FP1.0

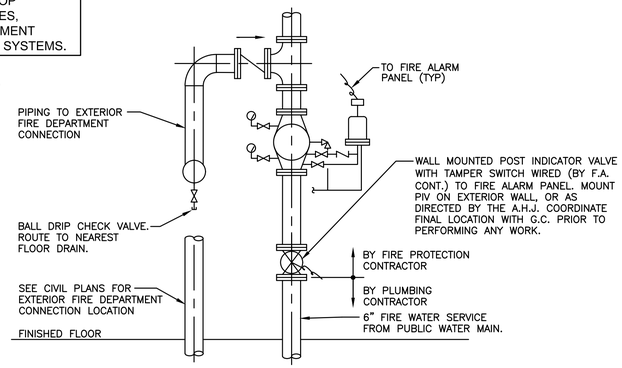
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---- - akoltesar

DESIGNER NOTE:
CONFIRM FIRE SUPPRESSION SYSTEM IS REQUIRED BY AHJ AND CLIENT PRIOR TO INCLUDING THESE SYSTEMS INTO THE DESIGN. COORDINATE REQUIREMENTS WITH ARCHITECT

DESIGNER NOTE:
COORDINATE WITH FIRE ALARM PLAN SHOP DRAWINGS / VENDOR FOR FLOW SWITCHES, SUPERVISED VALVES, AND OTHER EQUIPMENT REQUIRED TO BE INTEGRATED BETWEEN SYSTEMS.

FIRE PLAN REVIEW COMMENTS

1. 2018 IFC 907.1.1 CONSTRUCTION DOCUMENTS. CONSTRUCTION DOCUMENTS FOR FIRE ALARM SYSTEMS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO SYSTEM INSTALLATION. CONSTRUCTION DOCUMENTS SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL OF THE FOLLOWING:
   1.1. A FLOOR PLAN WHICH INDICATES THE USE OF ALL ROOMS.
   1.2. LOCATIONS OF ALARM–INITIATING AND NOTIFICATION APPLIANCES.
   1.3. ALARM CONTROL AND TROUBLE SIGNALING EQUIPMENT.
   1.4. ANNUNCIATION.
   1.5. POWER CONNECTION.
   1.6. BATTERY CALCULATIONS.
   1.7. CONDUCTOR TYPE AND SIZES.
   1.8. VOLTAGE CROP CALCULATIONS.
   1.9. MANUFACTURERS, MODEL NUMBERS AND LISTING INFORMATION FOR EQUIPMENT, DEVICES AND MATERIALS.
   1.10. DETAILS OF CEILING HEIGHT AND CONSTRUCTION.
   1.11. THE INTERFACE OF FIRE SAFETY CONTROL FUNCTIONS.
2. SEE ARCHITECTURAL SHEETS FOR 2018 IFC 505.1 ADDRESS NUMBERS REQUIREMENTS.
3. SEE ARCHITECTURAL SHEETS FOR 2018 IFC 506.1 STRUCTURE ACCESS.
4. 2018 IFC 901.2 CONSTRUCTION DOCUMENTS. THE FIRE OFFICIAL SHALL HAVE THE AUTHORITY TO REQUIRE CONSTRUCTION DOCUMENTS AND CALCULATIONS FOR ALL FIRE PROTECTION SYSTEMS AND TO REQUIRE PERMITS BE ISSUED FOR THE INSTALLATION, REHABILITATION OR MODIFICATION OF ANY FIRE PROTECTION SYSTEM. CONSTRUCTION DOCUMENTS FOR FIRE PROTECTION SYSTEMS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO SYSTEM INSTALLATION. PROVIDE PE STAMPED ELECTRONIC SHOP DRAWINGS TO MIKE.WEISSENBACH@CITYOFLS.NET.
5. 2018 IFC 901.5 – INSTALLATINO ACCEPTANCE TESTING. FIRE DETECTION AND ALARM SYSTEMS, FIRE–EXTINGUISHING SYSTEMS, FIRE HYDRANT SYSTEMS, FIRE STANDPIPE SYSTEMS, FIRE PUMP SYSTEMS, PRIVATE FIRE SERVICE MAINS AND ALL OTHER FIRE PROTECTION SYSTEMS AND APPURTENANCES THERETO SHALL BE SUBJECT TO ACCEPTANCE TESTS AS CONTAINED IN THE INSTALLATION STANDARDS AND AS APPROVED BY THE FIRE CODE OFFICIAL. THE FIRE CODE OFFICIAL SHALL BE NOTIFIED BEFORE ANY REQUIRED ACCEPTANCE TESTING. THE FIRE CODE OFFICIAL SHALL BE NOTIFIED 48 HOURS BEFORE ANY REQUIRED ACCEPTANCE TEST. CALL (816) 969–1300 TO SCHEDULE TESTING.



NOTE:
1. ALARM CHECK VALVE, TRIM, AND INSTALLATION SHALL CONFORM TO NFPA 13 AND THE MANUFACTURER'S RECOMMENDATION.
2. CONTRACTOR SHALL PROVIDE A MEANS TO FORWARD FLOW TEST BACKFLOW PREVENTER TO ENSURE PROPER OPERATION IN ACCORDANCE WITH NFPA 13, SECTION 10.10.2.5.1/25.2.5.1.

1 / FP2.0 WET PIPE SPRINKLER RISER DETAIL
SCALE: N.T.S.

GENERAL NOTES

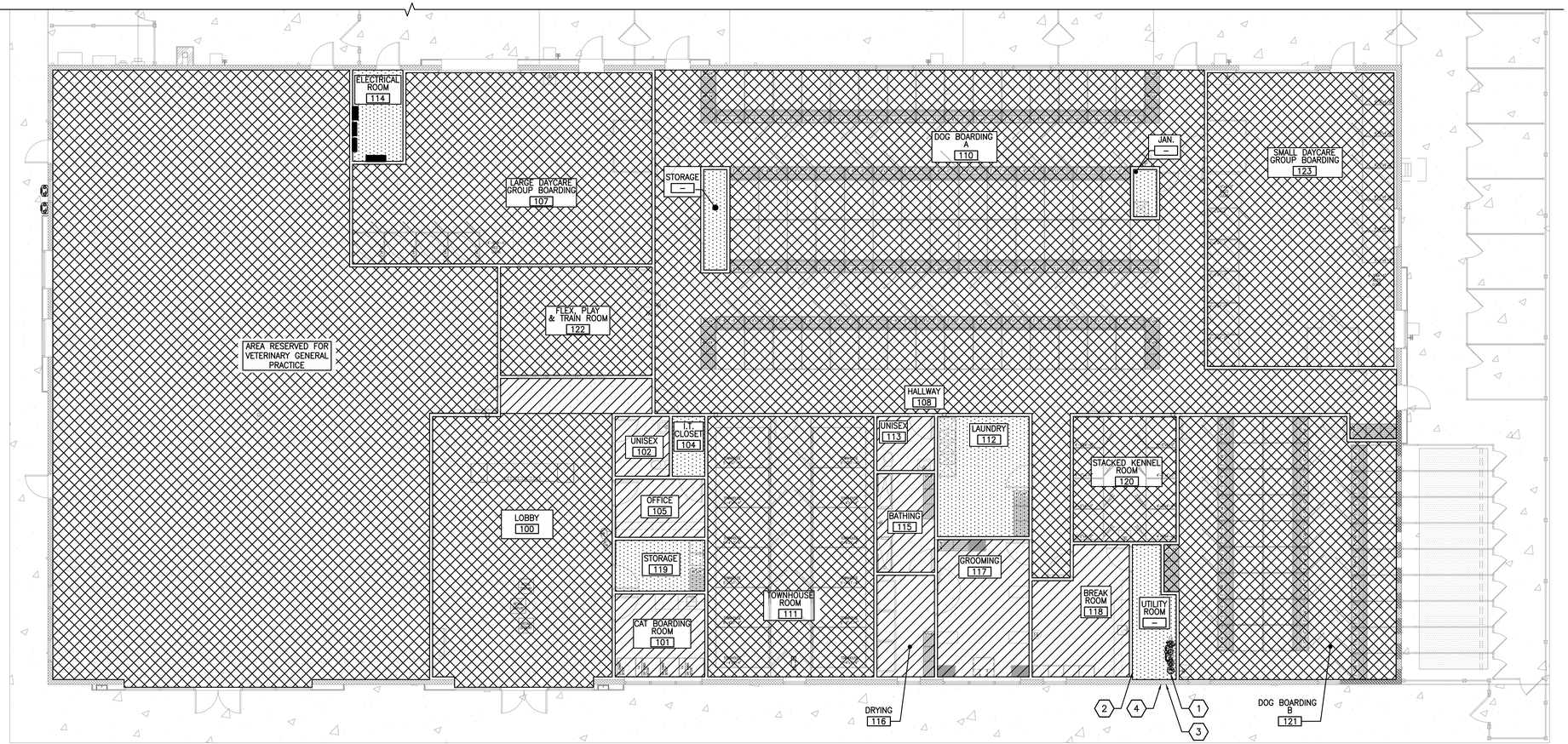
1. PROVIDE COVERAGE PER NFPA 13 REQUIREMENTS FOR AREAS DESIGNATED BY HATCH PATTERN IN LEGEND.
2. PROVIDE DESIGN–BUILD SYSTEM TO MEET REQUIREMENTS SHOWN AND REQUIRED BY NFPA 13. PREPARE HYDRAULIC CALCULATIONS AND DESIGN CONSTRUCTION DRAWINGS FOR SUBMITTAL TO AHJ FOR PERMIT. OBTAIN ALL PERMITS, INSPECTIONS AND APPROVALS.
3. PROVIDE WET PIPE SPRINKLER RISER FOR BUILDING IN THE GROOMING CLOSET 117A TO SERVE THE SPRINKLER SYSTEM FOR THE BUILDING.
4. PROVIDE FIRE STOPPING AT ALL RATED WALL PENETRATIONS. REFER TO ARCHITECTURAL PLANS FOR WALL RATINGS.
5. PROVIDE SPRINKLER TYPES AS INDICATED ON THIS SHEET'S LEGEND. ALL SPRINKLERS IN FINISHED AREAS SHALL HAVE A WHITE FINISH. SPRINKLERS IN UNFINISHED AREAS SHALL HAVE ROUGH BRASS FINISH.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS, MECHANICAL PLANS, LIGHTING PLANS, ETC. FOR COORDINATION AND PLACEMENT OF SPRINKLER HEADS AND PIPING IN ACOUSTICAL CEILING. PARTICIPATE IN COORDINATION DRAWING PREPARATION.
7. SPRINKLER HEADS THAT ARE LOCATED IN THE ACOUSTICAL PANELS OF THE CEILING GRID SHALL BE IN THE CENTER OF THE PANEL. THE EXACT LOCATION OF THE SPRINKLER HEADS SHALL BE DETERMINED AFTER CEILING GRID IS INSTALLED. DO NOT USE THE CEILING GRID PLANS TO DETERMINE THE LOCATION OF THE SPRINKLER HEADS.
8. THE COMPLETE INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL STATE, LOCAL AND NATIONAL CODES, ALL APPLICABLE SECTIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION, AND DIVISION 13 SPECIAL CONSTRUCTION. NOTE: THE MOST STRINGENT SPECIFICATION REQUIREMENTS APPLY.
9. ALL ELECTRICAL CIRCUITS REQUIRED FOR SPRINKLER SYSTEM, WATER FLOW SWITCH AND VALVE TAMPER SWITCHES SHALL BE CHECKED BY THE FIRE PROTECTION CONTRACTOR TO ENSURE PROPER OPERATION. SPRINKLER SUPERVISORY DEVICES WILL BE COMPATIBLE WITH FIRE ALARM SYSTEM.
10. SEE CIVIL SITE UTILITY PLAN FOR WATER SERVICE TO BUILDING, FIRE DEPARTMENT CONNECTION, EXTERIOR BACKFLOW PREVENTER LOCATION, NEAREST FIRE HYDRANT AND CITY WATER FLOW TEST INFORMATION.

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION
	WET PIPE SPRINKLER SYSTEM, LIGHT HAZARD, CONCEALED HEADS.
	WET PIPE SPRINKLER SYSTEM, LIGHT HAZARD, UPRIGHT HEADS.
	WET PIPE SPRINKLER SYSTEM ORDINARY HAZARD GROUP I. UPRIGHT HEADS.
○	FIRE SUPPRESSION RISER

SHEET KEYNOTES

1. 6" FIRE WATER SERVICE FOR WET PIPE SPRINKLER SYSTEM AVAILABLE AT BLIND FLANGE 12" AFF. PROVIDE ALARM CHECK VALVE AND COMPLETE WET PIPE SPRINKLER SYSTEM FOR BUILDING IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13. INTERNAL WATER LINES SHALL BE SIZED TO MEET FIRE FLOW OF 1500 GPM, PER A.H.J.
2. 2" DOMESTIC WATER SERVICE.
3. COORDINATE AND PROVIDE THE WALL MOUNTED POST INDICATOR VALVE AT A LOCATION APPROVED BY THE G.C. AND THE AUTHORITY HAVING JURISDICTION FOR THE BUILDING.
4. COORDINATE THE LOCATION OF THE EXTERIOR FIRE DEPARTMENT CONNECTION WITH THE AUTHORITY HAVING JURISDICTION AND CIVIL ENGINEER.



1 / FP2.0 FIRE SPRINKLER FLOOR PLAN
SCALE: 1/8"=1'-0"

NORTH

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petsuites STAY & PLAY

REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET
A	02.12.21	ADDENDUM 1

FOR REFERENCE ONLY

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

FIRE PROTECTION PLAN & NOTES

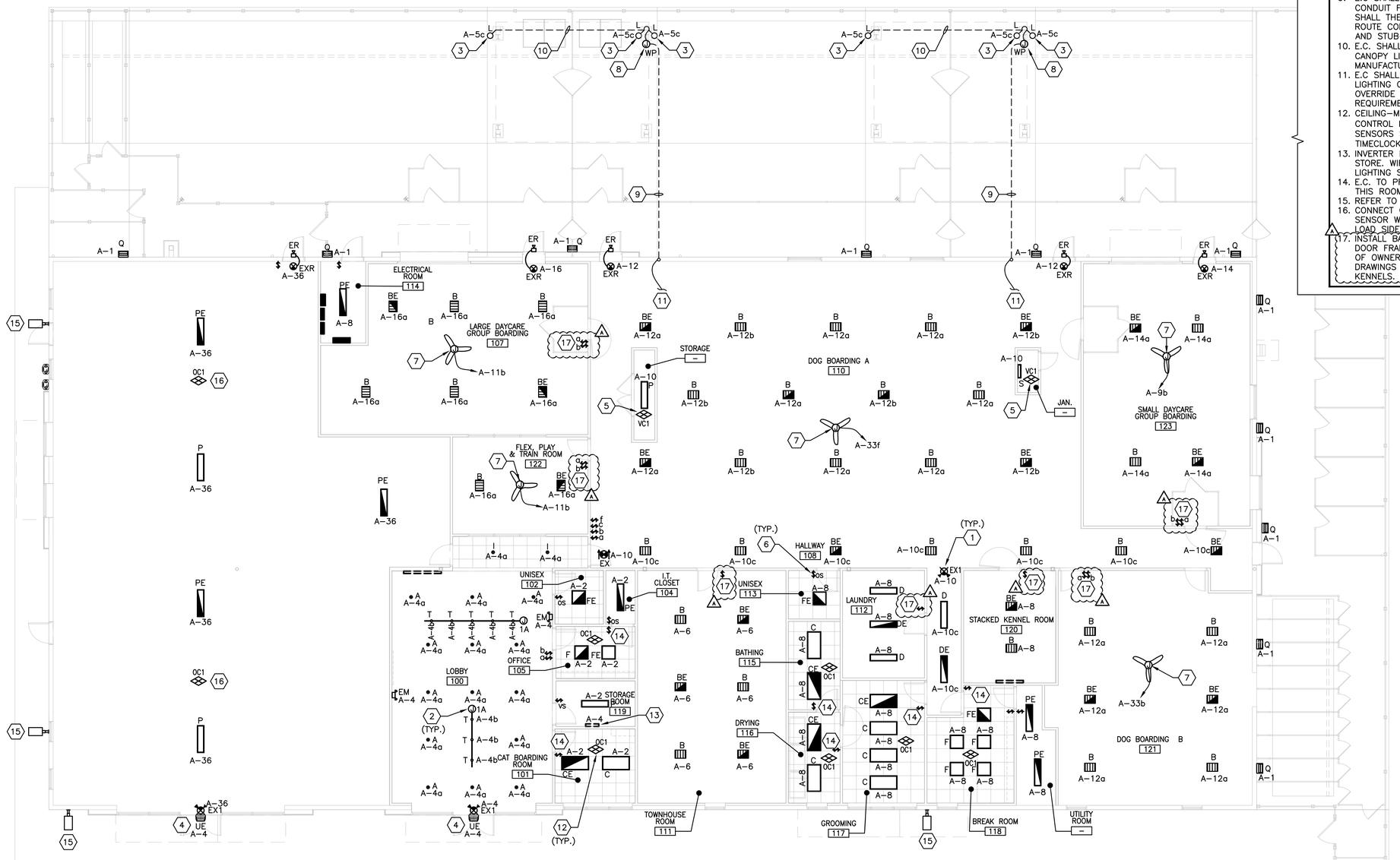
ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	CJR

JOB NO.
2020155.27

FP2.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\595_FP2.0_FIRE PROTECTION PLAN AND NOTES (INCLUDE IF REQUIRED).dwg
--- akoliesar



1 E1.0 CEILING PLAN – LIGHTING
SCALE: 1/8"=1'-0"

NORTH

KEY NOTES

1. WIRE AHEAD OF LOCAL SWITCHING PER N.E.C.
2. PROVIDE AND INSTALL CURRENT LIMITING DEVICE FOR TRACK LIGHTING. AMPERAGE OF CURRENT LIMITING DEVICE AS INDICATED AS SHOWN.
3. E.C. SHALL PROVIDE LOW VOLTAGE POWER SUPPLY FOR CANOPY ACCENT LIGHTS. E.C. TO VERIFY WITH MANUFACTURER ON DETAILS AND EXACT REQUIREMENTS.
4. PROVIDE ADDITIONAL HOT CONDUCTOR AHEAD OF SWITCHING AND CONTROLS FOR EMERGENCY BATTERY.
5. WALL MOUNTED VACANCY SENSOR SWITCH FOR LIGHTING CONTROL OF SMALL JANITOR CLOSET AND STORAGE. SET SENSOR TO MANUAL "ON", AUTOMATIC "OFF" AS MANUFACTURED BY LUTRON CAT #MS–VPS2–XX.
6. WALL MOUNTED OCCUPANCY SENSOR FOR LIGHTING CONTROL OF ROOM.
7. E.C SHALL PROVIDE AND INSTALL NEW JUNCTION BOX FOR NEW CEILING MOUNTED FAN. SEE EQUIPMENT SCHEDULE ON SHEET A0.1 FOR ADDITIONAL INFORMATION.
8. E.C SHALL PROVIDE SINGLE GANG W.P JUNCTION BOX MOUNTED AT ±18" A.F.F AT BASE OF CANOPY COLUMN FOR CANOPY LIGHTING.
9. E.C SHALL PROVIDE AND INSTALL (1)–3/4" UNDER SLAB PVC CONDUIT FROM CANOPY W.P JUNCTION BOX TO EXTERIOR WALL. E.C SHALL THEN STUB UP CONDUIT IN WALL, TRANSITION TO EMT AND ROUTE CONDUIT INTO CEILING SPACE. E.C SHALL VERIFY ROUTING AND STUB–UP LOCATION PRIOR TO BID.
10. E.C. SHALL PROVIDE AND INSTALL (1)–3/4" RIGID CONDUIT FOR CANOPY LIGHTING. E.C SHALL VERIFY CONDUIT ROUTING WITH CANOPY MANUFACTURER PRIOR TO BID.
11. E.C SHALL ROUTE BRANCH CIRCUITRY TO PANEL AS INDICATED. LIGHTING CONTROLS TO BE ROUTED TO LIGHTING CONTACTOR AND OVERRIDE SWITCH AS SHOWN ON PLANS. VERIFY EXACT REQUIREMENTS AND LOCATION WITH OWNER PRIOR TO BID.
12. CEILING–MOUNTED, LINE VOLTAGE, OCCUPANCY/VACANCY SENSOR TO CONTROL LIGHTING IN THIS ROOM. LIGHTS CONTROLLED VIA OC/VC SENSORS SHALL BE OMITTED FROM CONNECTION TO TIMECLOCK/CONTACTORS.
13. INVERTER MOUNTED ON WALL FOR TYPE UE FIXTURES AT FRONT OF STORE. WIRE PER MFG INSTRUCTIONS & REQUIREMENTS. REFER TO LIGHTING SCHEDULE FOR ADDITIONAL DETAILS.
14. E.C. TO PROVIDE 0–10V DIMMER SWITCH FOR GENERAL LIGHTS IN THIS ROOM.
15. REFER TO E5.0 FOR WIRING OF THIS LIGHT FIXTURE.
16. CONNECT OCCUPANCY SENSORS IN PARALLEL SO THAT EITHER SENSOR WILL ACTIVATE THE LIGHTS. CONNECT SENSORS ON THE LOAD SIDE OF THE SWITCH.
17. INSTALL BACKBOXES FOR SWITCHING DEVICES AND OUTLETS TIGHT TO DOOR FRAME – VERIFY DEVICES DO NOT FALL WITHIN FOOTPRINT OF OWNER PROVIDED KENNELS. COORDINATE WITH KENNEL SHOP DRAWINGS AND ARCHITECTURAL FLOOR PLAN FOR LOCATIONS OF KENNELS.

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REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET
A	02.12.21	ADDENDUM 1

Steven P. Schaub - Electrical Engineer
PE-2013005424

STATE OF MISSOURI
STEVEN P. SCHAUB
NUMBER PE-2013005424
PROFESSIONAL ENGINEER

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

LIGHTING PLAN

ISSUED FOR:	
PERMIT	01.29.21
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PROJECT MANAGER	DESIGNER
KMW	RMB

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ELECTRICAL LEGEND

⇒	DUPLEX RECEPTACLE	▭	LED FIXTURE
⇒GFCI	GFCI TYPE DUPLEX RECEPTACLE	◪	EMERGENCY LIGHT
⇒	DOUBLE DUPLEX RECEPTACLE	○	CAN TYPE FIXTURE
⇒	SPECIAL RECEPTACLE	⊗	EXIT LIGHT FIXTURE
▼	PHONE JACK WITH 1" CONDUIT STUBBED TO ABOVE CEILING	⊗	EXIT LIGHT FIXTURE WITH DIRECTIONAL ARROWS
▼	DATA / PHONE JACK WITH 1" CONDUIT STUBBED TO ABOVE CEILING	⊡	DISCONNECT SWITCH (HEAVY DUTY ONLY)
———	CONDUIT AND WIRE ABOVE CLG. OR IN WALL	WP⊡	WEATHERPROOF DISC SWITCH (HEAVY DUTY ONLY)
– – –	CONDUIT BELOW FLOOR OR GRADE	$ OS	OCCUPANCY SENSOR
⌒	HOME RUN TO PANEL WITH CIRCUIT NUMBER	$	SINGLE POLE SWITCH
⟨#⟩	KEYNOTE	$3	3 POLE SWITCH
		$4	4 POLE SWITCH
WP	WEATHER PROOF	◇OC1	CEILING–MOUNTED OCCUPANCY SENSOR
Ⓣ	TV DATA JACK	TV	TWO COMPARTMENT FLOOR BOX

GENERAL NOTES

A. THE INTENT IS FOR THE ELECTRIC CONTRACTOR TO PROVIDE CONDUIT SYSTEMS TO ALL ELECTRICAL SYSTEMS, EVEN IF THE SYSTEM IS NOT IN HIS CONTRACT, i.e. THE FIRE ALARM, DATA, & MUSIC SYSTEMS ETC. THE CONTRACTOR SHALL INSTALL A MINIMUM ¾" CONDUIT WITH A PULLWIRE TO ALL TERMINAL DEVICES SHOWN ON THE DRAWINGS. IN WALLS, OPEN, OR EXPOSED AREAS: ALL SYSTEMS TO BE IN CONDUIT. IN CONCEALED AREAS WHERE THE CEILING IS ACCESSIBLE: OPEN CABLING IS PERMITTED – IF ALLOWED BY BUILDING, FIRE, & ELECTRICAL CODE AND THE LOCAL JURISDICTION.

B. ALL CONDUITS TO BE RIGID AND INSTALLED WHILE THE BLOCK IS BEING LAID.

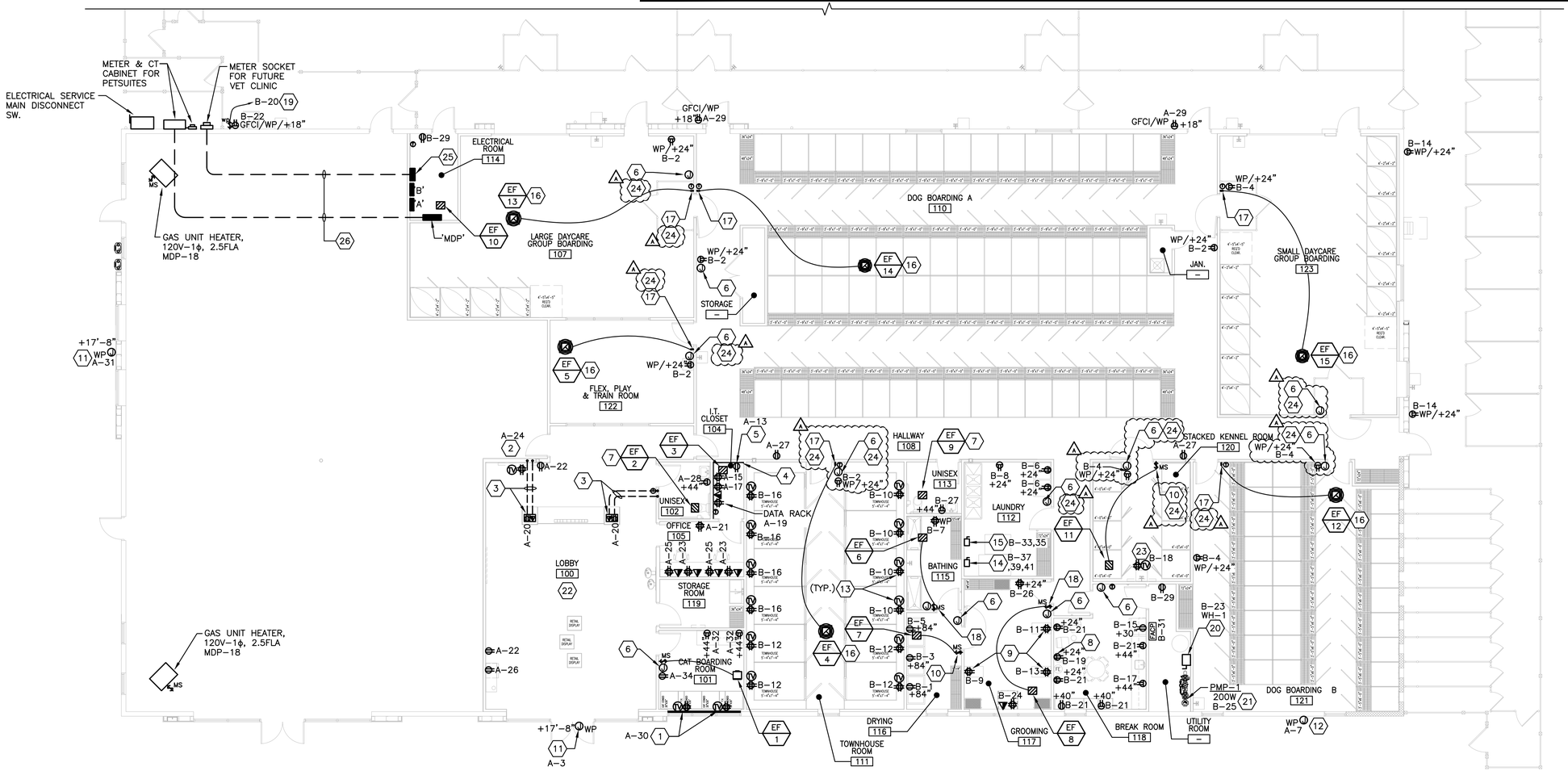
C. SURFACE MOUNTED CONDUITS WILL NOT BE ALLOWED ON THE BUILDING EXTERIOR.

D. CONTRACTOR NOT TO PENETRATE THE BUILDINGS SIDING.

E. SEE MECHANICAL CONNECTION SCHEDULE FOR EXHAUST FAN INFORMATION.

KEY NOTES

1. POWER AND DATA FOR CAT CONDO MILLWORK TELEVISIONS SHALL BE FED FROM WALL MOUNTED (2) COMPARTMENT WIREMOLD @ 24" A.F.F. FIELD LOCATE RECEPTACLES ALONG WIREMOLD AS REQUIRED. COORDINATE WITH THE ARCHITECTURAL DRAWINGS AND THE GENERAL CONTRACTOR.
2. MOUNT DATA/POWER RECEPTACLE FOR TELEVISIONS IN LOBBY @ ±91" A.F.F.
3. PROVIDE (2)–1"C. TO FLOOR BOX FOR POWER AND DATA. STUB CONDUIT UP IN WALL TO ABOVE ACCESSIBLE CEILING AND ROUTED OVERHEAD TO PANEL INDICATED. RUN CONDUITS UNDER SLAB, SCHEDULE 40 PVC, RIGID CONDUIT FOR ELBOWS. PROVIDE (2) TWO COMPARTMENT FLOOR BOXES MOUNTED BELOW COUNTER FOR POWER AND DATA, LOCATED IN THE FAR LEFT AND FAR RIGHT CORNERS 4" FROM THE INSIDE FACE OF THE RECEPTION DESK AND CENTERED LEFT TO RIGHT. FLOOR BOXES SHALL BE WIREMOLD "Omnibox" CAT #880S2, WITH 827T TILE FLANGE, 828R DUPLEX COVER PLATE AND 829STC COMMUNICATION COVER PLATE. POWER SECTION SHALL HAVE (1) DUPLEX RECEPTACLE. COMMUNICATIONS SECTION SHALL BE USED FOR UP TO (6) DATA KEYSTONES.
4. PROVIDE 4'X8'X3/4" THICK PLYWOOD BACKBOARD WITH FIRE RETARDANT PAINT IN A COLOR TO MATCH THE SURROUNDING WALLS FOR TELEPHONE/DATA/SECURITY EQUIPMENT. STUB UP COMMUNICATIONS CONDUITS DIRECTLY BELOW EQUIPMENT BOARD. E.C SHALL PROVIDE (1) DEDICATED QUADPLEX AND (1) #6 INSULATED CU. GROUND WIRE TO THE GROUND ELECTRODE AS REQUIRED PER N.E.C. VERIFY EXACT LOCATION WITH CONSTRUCTION MANAGER PRIOR TO ROUGH–IN.
5. SECURITY ALARM EQUIPMENT. VERIFY EXACT REQUIREMENTS AND LOCATION WITH OWNER PRIOR TO ROUGH–IN.
6. PROVIDE AND INSTALL (1) 3/4" EMPTY CONDUIT AND (1) SINGLE GANG JUNCTION BOX WITH PULL STRING FOR AUDIO. STUB CONDUIT UP IN WALL TO ABOVE ACCESSIBLE CEILING. PROVIDE INSULATING BUSHING ON THE END OF THE CONDUIT. MOUNT AT SAME HEIGHT AS ADJACENT LIGHTING CONTROLS. COORDINATE LOCATIONS WITH FINAL AUDIO DESIGN.
7. EXHAUST FAN TIED INTO LIGHTING CIRCUIT AND CONTROL IN THIS ROOM.
8. COORDINATE HEIGHT OF RECEPTACLE FOR WATER DISPENSER UNIT PRIOR TO INSTALLATION.
9. PROVIDE 20A DROP CHORD DOWN FROM CEILING TO GROOMING TABLE. DROP CHORD SHALL EXTEND 5' DOWN FROM CEILING.
10. E.C SHALL PROVIDE AND INSTALL 120V. 20A., 1PH MOTOR RATED 30MIN TIMER SWITCH FOR EXHAUST FAN CONTROL. COORDINATE WITH MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BID. E.C SHALL PROVIDE FINAL CONNECTION IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS. PROVIDE CORD SETS AND CONTROL WIRING FOR EQUIPMENT AS REQUIRED.
11. JUNCTION BOX FOR EXTERIOR SIGNAGE. COORDINATE WITH VENDOR ON EXACT MOUNTING HEIGHT, LOCATION, AND REQUIREMENTS.
12. JUNCTION BOX FOR EXTERIOR BACKLIT ARTWORK. COORDINATE WITH VENDOR ON EXACT MOUNTING HEIGHT, LOCATION, AND REQUIREMENTS.
13. TOWNHOUSE POWER/DATA RECEPTACLES SHALL BE MOUNTED AT ±60" A.F.F. E.C SHALL COORDINATE EXACT MOUNTING HEIGHTS WITH LOW VOLTAGE DATA VENDOR PRIOR TO INSTALLATION. (TYP).
14. E.C. SHALL PROVIDE AND INSTALL 240 VOLT, 100 AMP, 3 POLE, NEMA 1, N.F. DISCONNECT SWITCH. MOUNT AT +72" A.F.F. E.C SHALL WIRE WITH (3)#1'S CU., (1)#8 CU., E.G., 1–1/2"C.
15. E.C. SHALL PROVIDE AND INSTALL 240 VOLT, 30 AMP, 2 POLE, NEMA 1, N.F. DISCONNECT SWITCH. MOUNT AT +72" A.F.F. E.C SHALL WIRE WITH (2)#12'S CU., (1)#12 CU., E.G., 3/4"C.
16. EXHAUST FAN MOUNTED ON ROOF. REFER TO ROOF PLAN FOR POWER CONNECTION INFORMATION.
17. E.C SHALL PROVIDE AND INSTALL NEW, PROGRAMMABLE, DIGITAL FAN CONTROL UNIT W/ MANUAL OVERRIDE FOR EXHAUST FAN CONTROLS. INTERLOCK TO ROOFTOP UNIT AS REQUIRED. REFER TO DETAIL 4 FOR EXHAUST FAN CONTROL WIRING DIAGRAM ON SHEET E4.0 FOR ADDITIONAL INFORMATION. COORDINATE WITH MECHANICAL PLANS FOR EXACT LOCATION OF DIGITAL FAN CONTROL UNIT AND REQUIREMENTS PRIOR TO BID.
18. E.C SHALL PROVIDE AND INSTALL 120V, 20 A, 1PH, MOTOR–RATED TOGGLE SWITCH FOR EXHAUST FAN CONTROL. COORDINATE WITH MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BID.
19. E.C. TO PROVIDE 20A SWITCH IN NEMA3R ENCLOSURE FOR IRRIGATION CONTROLLER. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCH. & OWNER.
20. E.C. SHALL PROVIDE AND INSTALL 240 VOLT, 30 AMP, 2 POLE, NEMA 1 DISCONNECT. MOUNT AT +72" A.F.F.
21. E.C. SHALL PROVIDE 20A MOTOR–RATED SWITCH.
22. RECEPTACLES IN THIS ROOM SHALL BE TAMPER RESISTANT.
23. MOUNT DATA/POWER RECEPTACLE FOR TELEVISIONS IN STACKED KENNEL ROOM @ ±5'–6" A.F.F.
24. INSTALL BACKBOXES FOR SWITCHING DEVICES AND OUTLETS TIGHT TO DOOR FRAME – VERIFY DEVICES DO NOT FALL WITHIN FOOTPRINT OF OWNER PROVIDED KENNELS. COORDINATE WITH KENNEL SHOP DRAWINGS AND ARCHITECTURAL FLOOR PLAN FOR LOCATIONS OF KENNELS.
25. 400A–3P MAIN CIRCUIT BREAKER FOR FUTURE TENANT ELECTRICAL SERVICE.
26. CONDUITS FROM METER AND/OR CT CABINETS SHALL BE RUN UNDER THE SLAB.



1 E2.0 ELECTRICAL POWER PLAN
SCALE: 1/8"=1'–0"

NORTH

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petsuites STAY • PLAY

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A	02.12.21	ADDENDUM 1

Steven P. Schaub - Electrical Engineer
PE-2013005424

STATE OF MISSOURI
STEVEN P. SCHAUB
NUMBER PE-2013005424
PROFESSIONAL ENGINEER

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
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POWER PLAN

ISSUED FOR:	
PERMIT	01.29.21
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CONSTRUCTION	-
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PROJECT MANAGER	DESIGNER
KMW	RMB

JOB NO. 2020155.27

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Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\605_E2.0 POWER PLAN.dwg
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MECHANICAL EQUIPMENT CONNECTION SCHEDULE

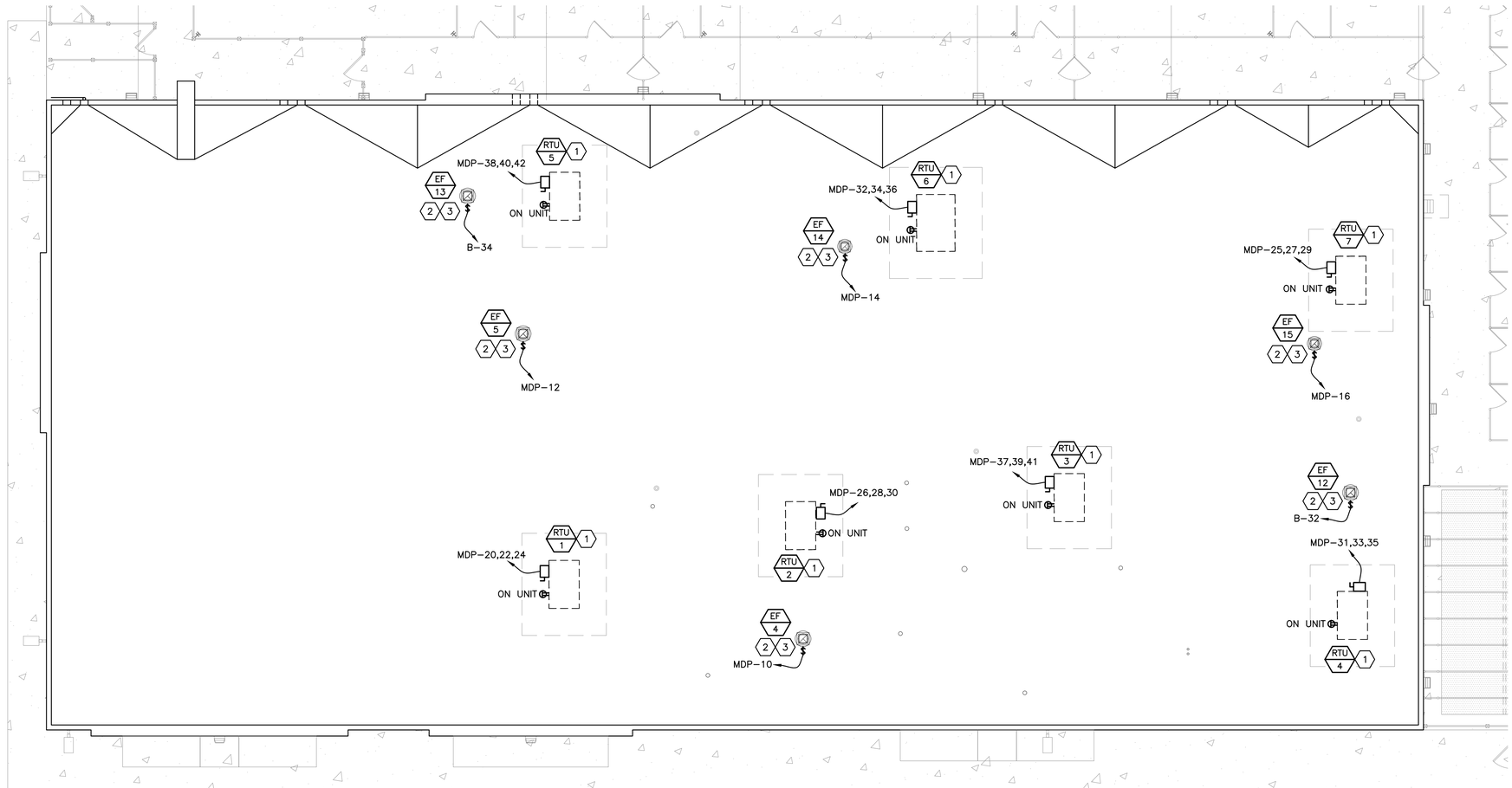
EQUIPMENT TAG	EQUIPMENT DESCRIPTION	POWER REQUIREMENTS	VOLTAGE	PHASE	PANEL	CIRCUIT #	CIRCUIT BREAKER/ FUSE SIZE	DISCONNECT	CONDUIT & WIRING INFORMATION
RTU - 1	ROOFTOP UNIT	24 MCA	208	3	MDP	20, 22, 24	30/3	INTEGRAL	3#10, 1#10(G), 3/4" C.
RTU - 2	ROOFTOP UNIT	33 MCA	208	3	MDP	26, 28, 30	50/3	INTEGRAL	3#6, 1#10(G), 3/4" C.
RTU - 3	ROOFTOP UNIT	16.2 MCA	208	3	MDP	37, 39, 41	20/3	INTEGRAL	3#12, 1#12(G), 3/4" C.
RTU - 4	ROOFTOP UNIT	35 MCA	208	3	MDP	31, 33, 35	50/3	INTEGRAL	3#6, 1#10(G), 3/4" C.
RTU - 5	ROOFTOP UNIT	33 MCA	208	3	MDP	38, 40, 42	50/3	INTEGRAL	3#6, 1#10(G), 3/4" C.
RTU - 6	ROOFTOP UNIT	33 MCA	208	3	MDP	32, 34, 36	50/3	INTEGRAL	3#6, 1#10(G), 3/4" C.
RTU - 7	ROOFTOP UNIT	24 MCA	208	3	MDP	25, 27, 29	30/3	INTEGRAL	3#10, 1#10(G), 3/4" C.
EF - 1	EXHAUST FAN	91W	120	1	MDP	4	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 2	EXHAUST FAN	80W	120	1	MDP	6	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 3	EXHAUST FAN	128W	120	1	MDP	8	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 4	EXHAUST FAN	3.8A	120	1	MDP	10	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 5	EXHAUST FAN	2.0A	120	1	MDP	12	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 6	EXHAUST FAN	128W	120	1	MDP	3	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 7	EXHAUST FAN	128W	120	1	MDP	5	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 8	EXHAUST FAN	172W	120	1	MDP	7	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 9	EXHAUST FAN	80W	120	1	MDP	9	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 10	EXHAUST FAN	128W	120	1	MDP	11	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 11	EXHAUST FAN	49W	120	1	MDP	13	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 12	EXHAUST FAN	9.8A	120	1	B	32	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 13	EXHAUST FAN	5.8A	120	1	B	34	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 14	EXHAUST FAN	9.8A	120	1	MDP	14	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.
EF - 15	EXHAUST FAN	5.8A	120	1	MDP	16	20/1	INTEGRAL	2-#12, 1#12(G), 3/4" C.

GENERAL NOTES

A. THE INTENT IS FOR THE ELECTRIC CONTRACTOR TO PROVIDE CONDUITS SYSTEMS TO ALL ELECTRICAL SYSTEMS, EVEN IF THE SYSTEM IS NOT IN HIS CONTRACT, i.e. THE FIRE ALARM, ETC. THE CONTRACTOR SHALL INSTALL A MINIMUM ¾" CONDUIT WITH A PULLWIRE TO ALL TERMINAL DEVICES SHOWN ON THE DRAWINGS. IN OPEN OR EXPOSED AREAS, ALL SYSTEMS TO BE IN CONDUIT. IN CONCEALED AREAS WHERE THE CEILING IS ACCESSIBLE, THE CONTRACTOR IS NOT RESPONSIBLE FOR CONDUIT CARRYING LOW VOLTAGE CABLING.
B. ALL CONDUITS TO BE RIGID AND INSTALLED WHILE THE BLOCK IS BEING LAID.
C. SURFACE MOUNTED CONDUITS WILL NOT BE ALLOWED ON THE BUILDING EXTERIOR.
D. CONTRACTOR NOT TO PENETRATE THE BUILDINGS SIDING.
E. SEE MECHANICAL CONNECTION SCHEDULE FOR EXHAUST FAN INFORMATION.

KEY NOTES

1. ROOFTOP UNIT IS PROVIDED WITH INTEGRAL DISCONNECT SWITCH AND POWERED WEATHERPROOF GFCI RECEPTACLE. SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION. E.C SHALL SHALL MAKE FINAL CONNECTIONS TO BRANCH CIRCUITS AS INDICATED. REFER TO MECHANICAL CONNECTION SCHEDULE ON THIS SHEET FOR ADDITIONAL ELECTRICAL INFORMATION.
2. EXHAUST FAN IS PROVIDED WITH INTEGRAL DISCONNECT SWITCH. SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION. E.C SHALL SHALL MAKE FINAL CONNECTIONS TO BRANCH CIRCUITS AS INDICATED. REFER TO MECHANICAL CONNECTION SCHEDULE ON THIS SHEET FOR ADDITIONAL ELECTRICAL INFORMATION.
3. E.C SHALL PROVIDE AND INSTALL NEW DIGITAL FAN CONTROL UNIT FOR EXHAUST FAN CONTROLS. PROVIDE AUX CONTACTS FOR INTERLOCKING TO ROOFTOP UNIT AS REQUIRED. REFER TO DETAIL 4 FOR EXHAUST FAN CONTROL WIRING DIAGRAM ON SHEET E4.0 FOR ADDITIONAL INFORMATION. COORDINATE WITH MECHANICAL PLANS FOR EXACT LOCATION OF DIGITAL FAN CONTROL UNIT AND REQUIREMENTS PRIOR TO BID.



1 E2.1 ELECTRICAL ROOF PLAN
SCALE: 1/8"=1'-0"

NORTH

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petsuites STAY & PLAY

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ELECTRICAL ROOF PLAN

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LUMINAIRE FIXTURE SCHEDULE

GENERAL LIGHTING

Symbol	Fixture	Watts	Lamp	Voltage	Location	Dimming (Y,N)	Dimmer	Notes
A	Manufacturer: IDEOLI Description: 5"D LED CYLINDER - 3000K - WIDE FLOOD BEAM SPREAD - WHITE FINISH Model: CP9107-D-5-ST-30-90-DIM-WFL-WH-WH	17W	INTEGRATED	120V	LOBBY	Y	0-10V	
B	Manufacturer: COOPER LTG METALUX Description: LED HIGHBAY 9000 LUMENS 4000 KELVIN Model: VHB-9-W-UNV-L840-CD-MP-U / BKYT18-063-120K / MC6	65W	INTEGRATED	UNIV	KENNEL & INDOOR PLAY AREA	Y	0-10V	
BE	Manufacturer: COOPER LTG METALUX Description: LED HIGHBAY 9000 LUMENS 4000 KELVIN W/ EMERGENCY BACKUP Model: VHB-9-W-L840-EL20W-REM-CD-MP-U / BKYT18-063-120K / MC6	65W	INTEGRATED	UNIV	KENNEL & INDOOR PLAY AREA	Y	0-10V	
C	Manufacturer: COOPER LTG METALUX Description: 2X4 LED FLAT PANEL Model: 24FP4740C	41.4W	INTEGRATED	UNIV	PET CARE SPACES / BREAKROOM	Y	0-10V	
CE	Manufacturer: COOPER LTG METALUX Description: 2X4 LED FLAT PANEL W/ EMERGENCY BACKUP Model: 24FP4740C-EM (EBPLED7W - FIELD INSTALLED)	41.4W	INTEGRATED	UNIV	PET CARE SPACES / BREAKROOM	Y	0-10V	
D	Manufacturer: COOPER LTG METALUX Description: 1X4 LED FLAT PANEL Model: 14FP4240C	38.5W	INTEGRATED	UNIV	HALLWAYS / STORAGE / MAINTENANCE AREAS	Y	0-10V	USE WHEN DROP CEILING IS PRESENT
DE	Manufacturer: COOPER LTG METALUX Description: 1X4 LED FLAT PANEL W/ EMERGENCY BACKUP Model: 14FP4240C-EM (EBPLED7W - FIELD INSTALLED)	38.5W	INTEGRATED	UNIV	HALLWAYS / STORAGE / MAINTENANCE AREAS	Y	0-10V	USE WHEN DROP CEILING IS PRESENT
F	Manufacturer: COOPER LTG METALUX Description: 2X2 LED FLAT PANEL Model: 22FP4240C	30.1W	INTEGRATED	UNIV	OFFICE SPACES / RESTROOMS	Y	0-10V	
FE	Manufacturer: COOPER LTG METALUX Description: 2X2 LED FLAT PANEL W/ EMERGENCY BACKUP Model: 22FP4240C-EM (EBPLED7W - FIELD INSTALLED)	30.1W	INTEGRATED	UNIV	OFFICE SPACES / RESTROOMS	Y	0-10V	
I	Manufacturer: INTENSE Description: 6" LED DOWNLIGHT Model: SS6G4DR-L2-408 / I200 / IC630C	13W	INTEGRATED	120V	HALLWAYS	Y	0-10V	
L	Manufacturer: VISTA Description: LANDSCAPE UP & ACCENT LIGHT LED BLACK FINISH Model: GR-3106-B-9.5-35-WF	9.5W	INTEGRATED	UNIV	OUTDOOR PLAYYARD (MOUNT ON CANOPY POLES WHERE INDICATED)	N	NON-DIM	REQUIRES REMOTE TRANSFORMERS - TBD BY LOCATION.
P	Manufacturer: COOPER LTG METALUX Description: 4' LED STRIP Model: 4SNLED-LD5-34SL-LN-UNV-L835-CD1-U / AY-CHAIN-SET	25W	INTEGRATED	UNIV	HALLWAYS / STORAGE / MAINTENANCE AREAS	Y	0-10V	USE WHEN AREA IS EXPOSED TO DECK.
PE	Manufacturer: COOPER LTG METALUX Description: 4' LED STRIP W/ EMERGENCY BACKUP Model: 4SNLED-LD5-34SL-LN-UNV-EL14W-L835-CD1-U / AY-CHAIN-SET	25W	INTEGRATED	UNIV	HALLWAYS / STORAGE / MAINTENANCE AREAS	Y	0-10V	USE WHEN AREA IS EXPOSED TO DECK & EMERGENCY LIGHTING IS NEEDED.
Q	Manufacturer: RAB Description: EXTERIOR LED WALLPACK 3000K WHITE FINISH Model: SLIM-12-Y-W	15W	INTEGRATED	UNIV	EXTERIOR WALL PACKS	N	NON-DIM	
S	Manufacturer: COOPER LTG Description: 2' LED STRIP Model: 2SNLED-LD5-22SL-LC-UNV-L830-CD1-U / AY-CHAIN-SET	22W	INTEGRATED	UNIV	SM. JANITORS CLOSETS / STORAGE	Y	0-10V	USE WHEN AREA IS EXPOSED TO DECK.
T	Manufacturer: Amerlux Description: LED Track Head White Finish Wide Flood 3000K Model: SPEQ-S-A17-15-WT-CT-120-WF-30-LE/TE	15W	INTEGRATED	120V	LOBBY	Y	TRIAC/ELV	USE WITH JUNO SINGLE CIRCUIT 'T' TRACK
UE	Manufacturer: Cree Description: Exterior surface mounted Wall pack. (Mounted to canopies - With Inverter back-up. (See notes). Model: XSPW-B-WM-3ME-4L-40K-UL-SV	42W	INTEGRATED	N	EXTERIOR	N	NON-DIM	USE WITH IOTA 125W INVERTER TO SUPPLY REMOTE POWER FOR 'UE' FIXTURES
EM	Manufacturer: EXITRONIX Description: LED EM BUGEYE HIGH OUTPUT WHITE W/ SELF-TEST/SELF-DIAGNOSTICS Model: LED-52-WH-G2	2 x 2W	INTEGRATED	UNIV	VARIOUS	N	NON-DIM	INTERIOR FIXTURE
EX	Manufacturer: EXITRONIX Description: THERMOPLASTIC EXIT SIGN W/ RED LETTERS WHITE HOUSING Model: VEX-U-BP-WB-WH	1.5W	INTEGRATED	UNIV	VARIOUS	N	NON-DIM	INTERIOR FIXTURE
EX1	Manufacturer: EXITRONIX Description: THERMOPLASTIC EXIT SIGN / EM COMBO W/ RED LETTERS WHITE HOUSING Model: VLED-U-WH-EL90	2.2W	INTEGRATED	UNIV	VARIOUS	N	NON-DIM	INTERIOR FIXTURE
EX2	Manufacturer: EXITRONIX Description: THERMOPLASTIC EXIT SIGN / RED LETTERS WHITE HOUSING Model: VEX-WP-1-WB-WH-G2	2.2W	INTEGRATED	UNIV	VARIOUS	N	NON-DIM	EXTERIOR FIXTURE
EXR	Manufacturer: EXITRONIX Description: THERMOPLASTIC EXIT/EM COMBO RED LETTERS WHITE HOUSING - REMOTE CAPABLE Model: VLED-U-WH-EL90-R6	8.2W	INTEGRATED	UNIV	VARIOUS	N	NON-DIM	WILL PROVIDE POWER TO TYPE ER FIXTURES
ER	Manufacturer: EXITRONIX Description: EXTERIOR RATED REMOTE EMERGENCY HEAD Model: MLED1-G-WP	1.5W	INTEGRATED	6V	VARIOUS	N	NON-DIM	EXTERIOR @ EXIT DOORS. POWER PROVIDED BY TYPE EXR FIXTURES.
SA	Manufacturer: HUBBELL Description: LED SITE LIGHTING Model: VPL-64L-135-4K7-4-UNV-A-DB	131W	INTEGRATED	UNIV	SITE LIGHTING	N	NON-DIM	INCLUDES 25' POLE - DARK BRONZE FINISH HUBBELL # SSSH25-50B-1-S2-DB
WM-SA	Manufacturer: HUBBELL Description: LED SITE LIGHTING Model: VPL-64L-135-4K7-4-UNV-WB-DB	131W	INTEGRATED	UNIV	SITE LIGHTING	N	NON-DIM	WALL MOUNTED AT 18'-6" A.F.G.

Notes:
1. GC to field verify ceiling heights for stem/cord mounted fixtures.
2. Luminaires & Lamps Furnished By Villa Lighting Supply:
James A. Alto
2929 Chouteau Ave
St. Louis, MO 63103
Tel: 314-633-0588/Cell: 760.898-0154
Email: james.alto@villalighting.com
3. All fixture types may not be used.
4. Refer to architectural exterior elevations for fixture mounting heights.
5. The electrical contractor shall be responsible for receiving, storage, installation and Wiring of light fixtures.
6. The electrical contractor shall report any damaged light fixtures or missing parts to Villa Lighting Within 48 hours of receipt of light fixture package.

GPD GROUP
Professional Corporation,
A-2014041131,E-2014041305,LA-2014040814
520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

petsuites STAY • PLAY

REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Steven P. Schaub - Electrical Engineer
PE-2013005424

STATE OF MISSOURI
STEVEN P. SCHAUB
NUMBER PE-2013005424
PROFESSIONAL ENGINEER

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

LIGHTING SCHEDULE

ISSUED FOR:	
PERMIT	01.29.21
BID	01.29.21
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	RMB

JOB NO.
2020155.27

E3.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\610_E3.0 LIGHTING SCHEDULE.dwg
---- - akolesar

NEW PANEL : MDP , 120/208V, 3PH, 4 WIRE, 600 AMP BUSSING, MLO ( ), MCB (X), SURFACE (X), FLUSH ( ), FEED-THRU LUGS ( ), ISO GND (X)

CKT #	LOAD K	M	HV	R	L	DESCRIPTION	NOTE	POLE	AMP	TOTAL PER PHASE IN KW A	B	C	CKT #	AMP	POLE	NOTE	DESCRIPTION	LOAD L	R	HV	M	K
1						SPARE		1	20	0.00			2	20	1		SPARE					
3			0.13			EF-6	1,5	1	20		0.22		4	20	1	1,3	EF-1			0.09		
5			0.13			EF-7	1,5	1	20			0.13	6	20	1		SPARE					
7			0.17			EF-8	1,5	1	20	0.30			8	20	1	1,4	EF-3			0.13		
9						SPARE		1	20		0.35		10	20	1	1,2	EF-4			0.35		
11			0.13			EF-10	1,4	1	20			0.18	12	20	1	1,2	EF-5			0.05		
13			0.05			EF-11	1,3	1	20	1.17			14	20	1	1,2	EF-14			1.12		
15						SPARE		1	20		0.70		16	20	1	1,2	EF-15			0.70		
17						SPARE		1	20			0.60	18	20	1	1	UNIT HTRS - FUTURE TENANT SPACE			0.60		
19						SPARE		1	20	2.88			20							2.88		
21						SPARE		1	20		2.88		22	30	3	1,2	RTU-1			2.88		
23						SPARE		1	20			2.88	24							2.88		
25			2.88							6.84			26							3.96		
27			2.88			RTU-7	1,2	3	30		6.84		28	50	3	1,2	RTU-2			3.96		
29			2.88									6.84	30							3.96		
31			4.20							9.12			32							4.92		
33			4.20			RTU-4	1,2	3	50		9.12		34	50	3	1,2	RTU-6			4.92		
35			4.20									9.12	36							4.92		
37			1.94							5.90			38							3.96		
39			1.94			RTU-3	1,2	3	20		5.90		40	50	3	1,2	RTU-5			3.96		
41			1.94									5.90	42							3.96		
43						SPARE		1	20	0.00			44	20	1		SPARE					
45						SPARE		1	20		0.00		46	20	1		SPARE					
47						SPARE		1	20			0.00	48	20	1		SPARE					
49		0.16		2.52	4.90					23.69			50					3.42	1.12	11.58		
51		1.40		2.52	3.48	PANEL A		3	200		25.61		52	200	3		PANEL B	5.86	0.70	11.65		
53		0.40		2.34	3.53							23.00	54					3.90	0.00	12.83		
PANEL SHALL BE SERIES RATED FOR 65KAIC									TOTAL =	49.90	51.61	48.65						150.16 TOTAL CONN KW				
COORDINATE WITH POWER COMPANY PRIOR TO ORDERING																		417.12 TOTAL CONN AMPS				

SERVING (PANEL MDP)	CONN LOAD		DIVERSITY		DEMAND LOAD	
LIGHTING	L =	11.90 KW	X 1.25 =	14.88	KW	
FIRST 10KW RECEPTACLES	R =	10.00 KW	X 1.00 =	10.00	KW	
REMAINING RECEPTACLES	R =	10.56 KW	X .50 =	5.28	KW	
HVAC EQUIP	HV =	79.68 KW	X 1.00 =	79.68	KW	
25% OF LARGEST MOTOR	HV =	12.60 KW	X .25 =	3.15	KW	
MISCELLANEOUS	M =	38.02 KW	X 1.00 =	38.02	KW	
KITCHEN EQUIPMENT	K =	0.00 KW	X 0.65 =	0.00	KW**	
(** KITCHEN LOAD PER 2017 NEC TABLE 220.56)	TOTAL =	150.16 KW	TOTAL =	151.01	KW	
	TOTAL =	417.12 AMPS	TOTAL =	419.46	AMPS	

NOTES:
1. HACR CIRCUIT BREAKER
2. EXH FAN WIRED TO AND CONTROLLED VIA PROGRAMABLE TIMER. SEE DETAIL 4 ON E4.0. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO BID.
3. EXH FAN WIRED TO AND CONTROLLED BY 120V, 20A, 1PH MOTOR RATED 30MIN TIMER SWITCH.
4. EXH FAN WIRED TO AND CONTROLLED BY THERMOSTAT AS REQUIRED.
5. EXH FAN WIRED TO AND CONTROLLED BY MANUAL SWITCH.

PetSuites Lees Summit, MO 2020155.27

NEW PANEL : A , 120/208V, 3PH, 4 WIRE, 200 AMP BUSSING, MLO (X), MCB ( ), SURFACE (X), FLUSH ( ), FEED-THRU LUGS ( ), ISO GND (X)

CKT #	LOAD K	M	HV	R	L	DESCRIPTION	NOTE	POLE	AMP	TOTAL PER PHASE IN KW A	B	C	CKT #	AMP	POLE	NOTE	DESCRIPTION	LOAD L	R	HV	M	K
1					0.12	LTG - EXTERIOR WALL PACKS	4	1	20	0.50			2	20	1	4	LTG - CAT BRD / UNISEX / STOR / I.T / OFF	0.30			0.08	
3					1.20	EXTERIOR SIGNAGE	4	1	20		1.86		4	20	1	4	LTG - LOBBY / EXT CANOPY / VESTIBULE	0.66				
5					0.06	LTG - EXTERIOR CANOPY ACCENTS		1	20			0.48	6	20	1	4	LTG - TOWNHOUSE	0.42				
7					1.20	EXTERIOR ART BACKLIGHT	4	1	20	1.88			8	20	1	4	LTG - LDRY/ELEC/RR/BATH/DRY/GROOMBREAK	0.60			0.08	
9		0.40				CEILING FANS - SM DAYCARE BOARDING		1	20		0.93		10	20	1	4	LTG - DOG BOARDING HALL / JAN	0.53				
11		0.40				CEILING FANS - LRG DAYCARE BRD / FLEXTRAIN		1	20			1.66	12	20	1	4	LTG - DOG BOARDING A & B	1.26				
13				0.18		REC - IT CLOSET SECURITY EQUIPMENT	5	1	20	0.46			14	20	1	4	LTG - SM DAYCARE BRD	0.28				
15				0.36		REC - IT CLOSET CABLE TV / STEREO	5	1	20		0.99		16	20	1	4	LTG - LRG DAYCARE BRD / FLEX TRAIN	0.63				
17				0.36		REC - IT CLOSET TMB	5	1	20			0.56	18	20	1		LIGHTING CONTROLS	0.20				
19				0.36		REC - IT CLOSET DATA RACK	5	1	20	0.72			20	20	1	5	REC - ISO DESK		0.36			
21				0.36		REC - OFFICE GENERAL		1	20		0.72		22	20	1		REC - GENERAL LOBBY		0.36			
23				0.72		REC - OFFICE DESK		1	20			1.08	24	20	1		REC - LOBBY TVS		0.36			
25				1.08		REC - OFFICE DESK	5	1	20	1.26			26	20	1		REC - LOBBY MINI FRIDGE		0.18			
27				1.08		REC - GENERAL HALLWAY / CORRIDORS		1	20		1.26		28	20	1		REC - UNISEX A		0.18			
29				0.18		REC - EXTERIOR WP/GFCI		1	20			0.90	30	20	1		PLUGMOLD - CAT BOARDING RM		0.72			
31					1.20	EXTERIOR SIGNAGE	4	1	20	1.56			32	20	1		REC GFCI - COUNTER CAT BOARDING RM		0.36			
33		1.00				CEILING FAN - DOG BOARDING A & B		1	20		1.18		34	20	1		REC - GENERAL CAT BOARDING RM		0.18			
35					1.00	LTG - DIRECTIONAL SIGNS	4	1	20			1.13	36	20	1		LTG - FUTURE TENANT SPACE	0.13				
37					1.20	LTG - EXTERIOR PYLON SIGN	4	1	20	1.20			38				SPACE					
39					0.46	LTG - EXTERIOR PARKING LOT	4	2	20		0.46		40				SPACE					
41					0.46							0.46	42				SPACE					
PANEL SHALL BE SERIES RATED FOR 42KAIC									TOTAL =	7.58	7.40	6.27						21.24 TOTAL CONN KW				
COORDINATE WITH POWER COMPANY PRIOR TO ORDERING																		59.00 TOTAL CONN AMPS				

SERVING (PANEL A)	CONN LOAD		DIVERSITY		DEMAND LOAD	
LIGHTING	L =	11.90 KW	X 1.25 =	14.88	KW	
FIRST 10KW RECEPTACLES	R =	7.38 KW	X 1.00 =	7.38	KW	
REMAINING RECEPTACLES	R =	0.00 KW	X .50 =	0.00	KW	
HVAC EQUIP	HV =	0.00 KW	X 1.00 =	0.00	KW	
25% OF LARGEST MOTOR	HV =	0.00 KW	X .25 =	0.00	KW	
MISCELLANEOUS	M =	1.96 KW	X 1.00 =	1.96	KW	
KITCHEN EQUIPMENT	K =	0.00 KW	X 0.65 =	0.00	KW**	
(** KITCHEN LOAD PER 2017 NEC TABLE 220.56)	TOTAL =	21.24 KW	TOTAL =	24.22	KW	
	TOTAL =	59.00 AMPS	TOTAL =	67.26	AMPS	

NOTES:
1. 5mA GFCI CIRCUIT BREAKER
2. HACR CIRCUIT BREAKER
3. PROVIDE WITH LOCK-ON DEVICE.
4. ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR. SEE SHEET E4.0 FOR LIGHTING CONTACTORS AND CONTROL WIRING.
5. POS SYSTEM, CPU, MONITORS, CREDIT CARD & MODEM TO BE ON ISOLATED GROUND.

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NEW PANEL : B , 120/208V, 3PH, 4 WIRE, 200 AMP BUSSING, MLO (X), MCB ( ), SURFACE (X), FLUSH ( ), FEED-THRU LUGS ( ), ISO GND ( )

CKT #	LOAD K	M	HV	R	L	DESCRIPTION	NOTE	POLE	AMP	TOTAL PER PHASE IN KW A	B	C	CKT #	AMP	POLE	NOTE	DESCRIPTION	LOAD L	R	HV	M	K
1			1.20			REC DRYER - DRYING RM		1	20	2.28			2	20	1		REC CONV - BRD / KNLS A&B / PLAY		1.08			
3			1.20			REC DRYER - DRYING RM		1	20		1.74		4	20	1		REC CONV - SM BRD / STK KNL / KNLS A & B		0.54			
5			1.20			REC DRYER - DRYING RM		1	20			2.20	6	20	1		REC REFRIGERATOR - LAUNDRY RM				1.00	
7				0.36		REC GENERAL GFCI - BATHING RM	1	1	20	0.72			8	20	1		REC GENERAL - LAUNDRY RM		0.36			
9				0.36		REC DESK - GROOMING RM		1	20		1.80		10	20	1		REC GENERAL - TOWNHOUSE		1.44			
11				0.36		REC GFCI - GROOMING RM	1	1	20			1.80	12	20	1		REC GENERAL - TOWNHOUSE		1.44			
13				0.72		REC GFCI - GROOMING RM	1	1	20	1.08			14	20	1		REC CONV - DOG ACTIVITY AREA		0.36			
15				1.00		REC REFRIGERATOR - BREAK RM	1	1	20		2.44		16	20	1		REC GENERAL - TOWNHOUSE		1.44			
17				1.20		REC MICROWAVE - BREAK RM		1	20			1.56	18	20	1		REC - STK KNL TV		0.36			
19				0.18		REC WATER DISPENSER - BREAK RM	1	1	20	0.28			20	20	1		IRRIGATION CONTROLLER				0.10	
21				0.72		REC GENERAL - BREAK RM		1	20		0.90		22	20	1		REC - WP, GFCI EXTERIOR SERVICE		0.18			
23		0.18				WH-1 - STORAGE RM		1	20			0.54	24	20	1		REC DESK - GROOMING RM		0.36			
25		0.30				PMP-1 - STORAGE RM		1	20	0.66			26						3.96			
27				0.18		REC GFCI - UNISEX B		1	20		0.18		28						SPACE			
29				0.18		REC GENERAL - ELEC RM / UTILITY RM		1	20			0.18	30						SPACE			
31		0.50				FACP	3	1	20	1.62			32	20	1	2,4	EF-12		1.12			
33		0.97				WASHER - LAUNDRY RM		2	15		1.67		34	20	1	2,4	EF-13		0.70			
35		0.97										0.97	36						SPACE			
37		9.48								9.48			38						SPACE			
39		9.48				DRYER - LAUNDRY RM		3	100		9.48		40						SPACE			
41		9.48										9.48	42						SPACE			
PANEL SHALL BE SERIES RATED FOR 42KAIC									TOTAL =	16.12	18.21	16.73						51.06 TOTAL CONN KW				
COORDINATE WITH POWER COMPANY PRIOR TO ORDERING																		141.83 TOTAL CONN AMPS				

SERVING (PANEL B)	CONN LOAD		DIVERSITY		DEMAND LOAD	
LIGHTING	L =	0.00 KW	X 1.25 =	0.00	KW	
FIRST 10KW RECEPTACLES	R =	10.00 KW	X 1.00 =	10.00	KW	
REMAINING RECEPTACLES	R =	3.18 KW	X .50 =	1.59	KW	
HVAC EQUIP	HV =	1.81 KW	X 1.00 =	1.81	KW	
25% OF LARGEST MOTOR	HV =	0.00 KW	X .25 =	0.00	KW	
MISCELLANEOUS	M =	36.06 KW	X 1.00 =	36.06	KW	
KITCHEN EQUIPMENT	K =	0.00 KW	X 0.65 =	0.00	KW**	
(** KITCHEN LOAD PER 2017 NEC TABLE 220.56)	TOTAL =	51.06 KW	TOTAL =	49.47	KW	
	TOTAL =	141.83 AMPS	TOTAL =	137.41	AMPS	

NOTES:
1. 5mA GFCI CIRCUIT BREAKER
2. HACR CIRCUIT BREAKER
3. PROVIDE WITH LOCK-ON DEVICE.
4. EXH FAN WIRED TO AND CONTROLLED VIA PROGRAMABLE TIMER. SEE DETAIL 4 ON E4.0. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO BID.

PetSuites Lees Summit, MO 2020155.27

FAULT CURRENT CALCULATIONS

FOR BID PRUPPOSES ONLY, CONTRACTOR SHALL COORDINATE ACTUAL FAULT CURRENT W/ UTILITY AND VERIFY AIC RATINGS PER FIELD CONSTRUCTION CONDITIONS.
THE FOLLOWING CALCULATIONS ARE BASED ON THE "POINT-BY-POINT" METHOD WHERE:

Isc = Isc x M Mr 1/(1+f) f = 1.73 x L x I / C x E X/RMR: IP(sca)= IP(sca)x Vp x%Z / 100,000xKVA IS(sca)= Vp x M x IS(sca) / Vs

(ALL CALCULATIONS UTILIZE ALUMINUM CONDUCTORS)

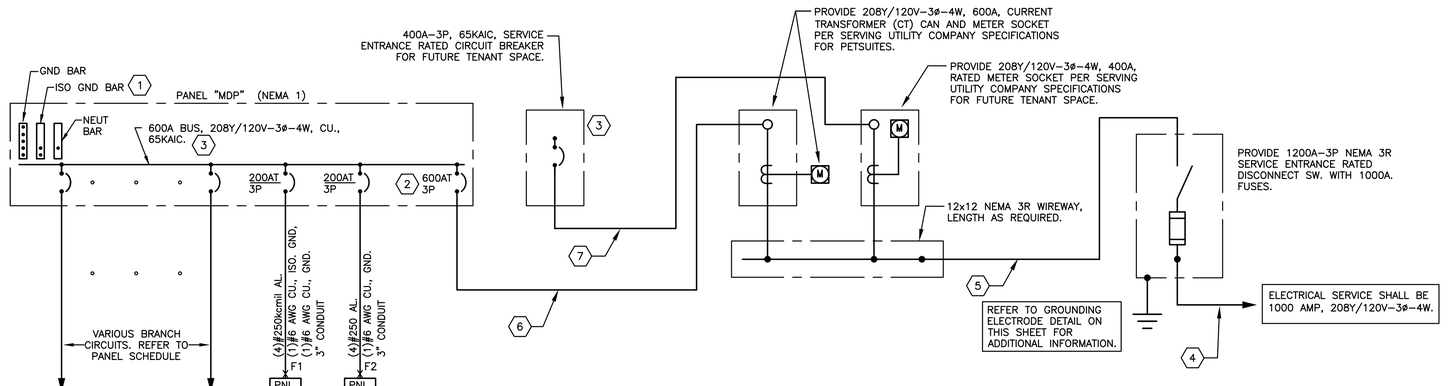
Fault Point	Panel / Transformer	Source (Fault Point)	Source I (amps)	Conduit Type	Wire/Bus Size	'C' value	E (volts)	L (length)	X'FMR KVA	X'FMR Z	f	M	Isc
1	MAIN 600A DISC. SW (VERIFY W/POWER CO.)		65,000										65,000
2	NEW PANEL 'A'	1	65,000	NM	1 Set(s) of 250 KCMIL	12862	208	31			1.305	0.43	28,205
3	NEW PANEL 'B'	1	65,000	NM	1 Set(s) of 250 KCMIL	12862	208	34			1.431	0.41	26,741

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4 E4.0 EXHAUST FAN CONTROL WIRING DIAGRAM
SCALE: NOT TO SCALE

* RESTROOM EXHAUST FANS TO BE CONTROLLED WITH RESTROOM LIGHTING.

NOTE:
1. E.C. SHALL COORDINATE MOUNTING AND POWER/LOW VOLTAGE REQUIREMENTS WITH MANUFACTURER SPECIFICATIONS. COORDINATE WITH OWNER FOR MOUNTING LOCATION.
2. E.C. SHALL PROGRAM CONTROLS TO ACTIVATE FAN AND DAMPERS 3 TIMES A DAY FOR 30 MIN. COORDINATE WITH OWNER FOR DESIRED TIMES. COORDINATE WITH MANUFACTURER INSTRUCTIONS FOR PROGRAMING.
3. E.C. SHALL PROVIDE STEP DOWN TRANSFORMERS FROM EXHAUST FANS TO CONTROL UNIT IF REQUIRED.
4. CONNECT DIGITAL FAN CTL UNIT TO RTU AUX CONTACTS. COORDINATE WITH MECHANICAL PLANS FOR ADDITIONAL INFOR.



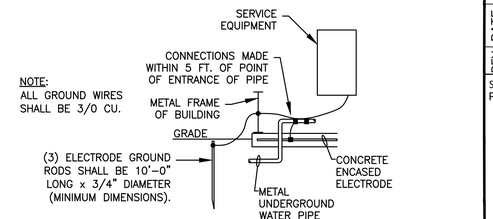
5 E4.0 SINGLE LINE RISER DIAGRAM
SCALE: NOT TO SCALE

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY REGARDING THE ELECTRIC SERVICE REQUIREMENTS, ROUTING AND LOCATION OF TRANSFORMER (THIS INFORMATION CAN ONLY BE VERIFIED BY THE ELECTRICAL CONTRACTOR WITH UTILITY, AS REQUIRED BY UTILITY).
B. THIS PLAN SHOWS THE MINIMUM THAT IS REQUIRED. UTILITY MAY HAVE ADDITIONAL REQUIREMENTS. THIS CONTRACTOR SHALL MEET ALL UTILITY, NEC, AND LOCAL REQUIREMENTS IN ORDER TO PROVE A 600A, 120/208V. 3P. 4W. SERVICE. ANY VARIANCE FROM WHAT IS SHOWN SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER FOR APPROVAL PRIOR TO ROUGH–IN.
C. FINAL "AS–BUILT" ELECTRIC SITE PLAN SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
D. ELECTRIC EQUIPMENT TO BE SERIES RATED FOR THE MAXIMUM AVAILABLE SHORT CIRCUIT RATING OF THE UTILITY TRANSFORMER USED (COORDINATE WITH UTILITY). EQUIPMENT RATING SHALL BE DETERMINED BY THE SHORT CIRCUIT RATING AT THE SERVICE ENTRANCE (PROVIDE SHORT CIRCUIT CALCULATIONS WITH ELECTRIC PANEL SHOP DRAWINGS). SERIES RATED BREAKERS SHALL BE SPECIFIES BY VENDORS P.E.
E. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH POWER COMPANY, DETERMINE AVAILABLE SHORT CIRCUIT CURRENT AND ARC FLASH VALUE, AND PROVIDE RATED EQUIPMENT AND LABELS PER N.E.C.

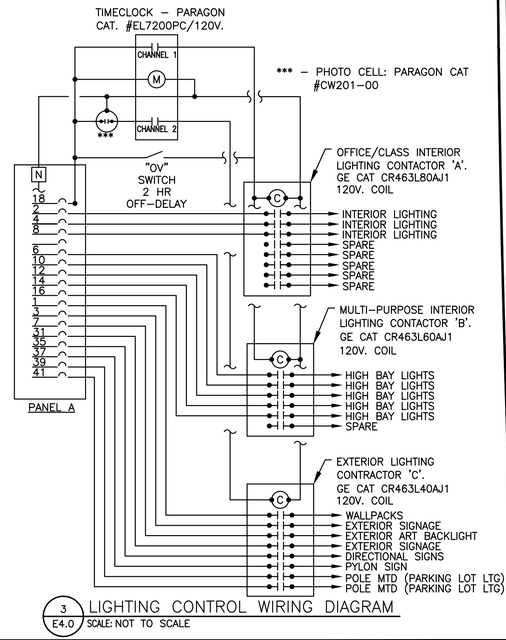
SINGLE LINE KEY NOTES

1. WIRE ISOLATED GROUND TO ISOLATED GROUND BUS IN PANEL AND LAND ISOLATED GROUND TO SINGLE POINT GROUND. "DO NOT COMBINE COMMON GND TO ISOLATED GROUND".
2. MAIN CIRCUIT BREAKER FOR THIS SERVICE PER NEC ARTICLE 230.
3. VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH THE UTILITY CO. AND CONFIRM 65 KAIC RATED EQUIPMENT IS SUFFICIENT.
4. INSTALL UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER SERVING UTILITY COMPANY SPECIFICATIONS. 4#600kcmil XHHW–2 AL. IN EACH OF (3) 3" CONDUITS TO PAD MOUNT TRANSFORMER – BURIED AT MIN DEPTH OF 36" UNLESS OTHERWISE SPECIFIED BY UTILITY. G.C / ELECT. CONTRACTOR SHALL COORDINATE SERVICE POLES PER LOCAL UTILITY CODE.
5. INSTALL SECONDARY SERVICE FEEDERS FROM DISCONNECT SWITCH TO THE WIREWAY, 4#600kcmil XHHW–2 AL., 1#3/0 CU. (G) IN EACH OF (3) 3"C.
6. INSTALL UNDERGROUND SECONDARY SERVICE FEEDER TO PANEL 'MDP', 4#500kcmil AL., 1#1(G), 1#1(IG) IN EACH OF (2) 3" CONDUITS.
7. INSTALL UNDERGROUND SECONDARY SERVICE FEEDER TO 400A–3P CIRCUIT BREAKER FOR FUTURE TENANT SPACE, 4#250kcmil AL., 1#3(G), IN EACH OF (2) 2–1/2" CONDUITS.



NOTE:
ALL GROUND WIRES SHALL BE 3/0 CU.

1 E4.0 GROUNDING ELECTRODE DETAIL
SCALE: NOT TO SCALE



3 E4.0 LIGHTING CONTROL WIRING DIAGRAM
SCALE: NOT TO SCALE

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A-201404113 1, E-201404130 0, LA-201404081 4
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REV.	DATE	DESCRIPTION
-	01.18.21	50% CLIENT REVIEW SET
-	01.29.21	95% CLIENT REVIEW SET

Steven P. Schaub - Electrical Engineer
PE-2013005424

STATE OF MISSOURI
STEVEN P. SCHAUB
NUMBER PE-2013005424
PROFESSIONAL ENGINEER

02/16/21

PETSUITES OF AMERICA
250 NW MCNARY CT.
LEE'S SUMMIT, MO 64086

ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULES

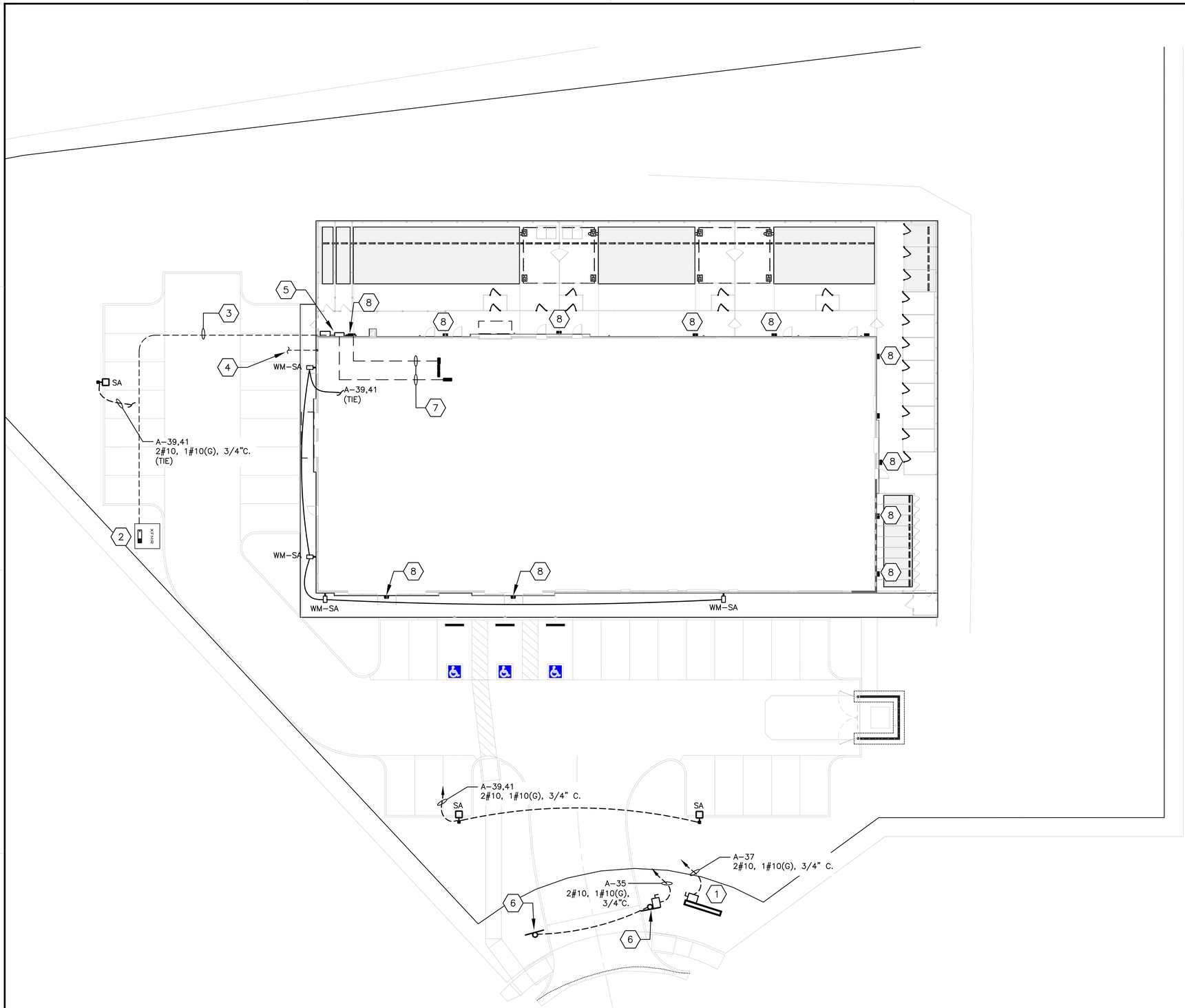
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BID	01.29.21
CONSTRUCTION	-
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PROJECT MANAGER	DESIGNER
KMW	RMB

JOB NO. 2020155.27

E4.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\615_E4.0 ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULES - B.dwg
User: akloesar



KEY NOTES

1. PYLON SIGN. E.C. SHALL PROVIDE A 30A/1P/120V/N3R/NF DISCONNECT SWITCH. COORDINATE REQUIREMENTS WITH MANUFACTURER SPECIFICATIONS.
2. PAD MOUNTED TRANSFORMER. SEE CIVIL PLANS FOR MORE INFORMATION.
3. UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
4. UNDERGROUND TELEPHONE SERVICE. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
5. WIREWAY, C.T. CABINET AND METERS.
6. DIRECTIONAL SIGN(S). E.C. SHALL PROVIDE A 30A/1P/120V/N3R/NF DISCONNECT SWITCH. COORDINATE REQUIREMENTS WITH MANUFACTURER SPECIFICATIONS.
7. CONDUITS FROM METERS AND C.T. CABINET TO FUTURE TENANT MAIN BREAKER AND PETSUITES MDP SHALL BE RUN FROM THE WIREWAY ON THE BACK OF THE BUILDING . REFER TO THE SINGLE–LINE DIAGRAM ON E4.0.
8. REFER TO E1.0 FOR WIRING OF THIS LIGHT FIXTURE.

1 E5.0 ELECTRICAL SITE PLAN
SCALE: N.T.S.

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ELECTRICAL SITE PLAN

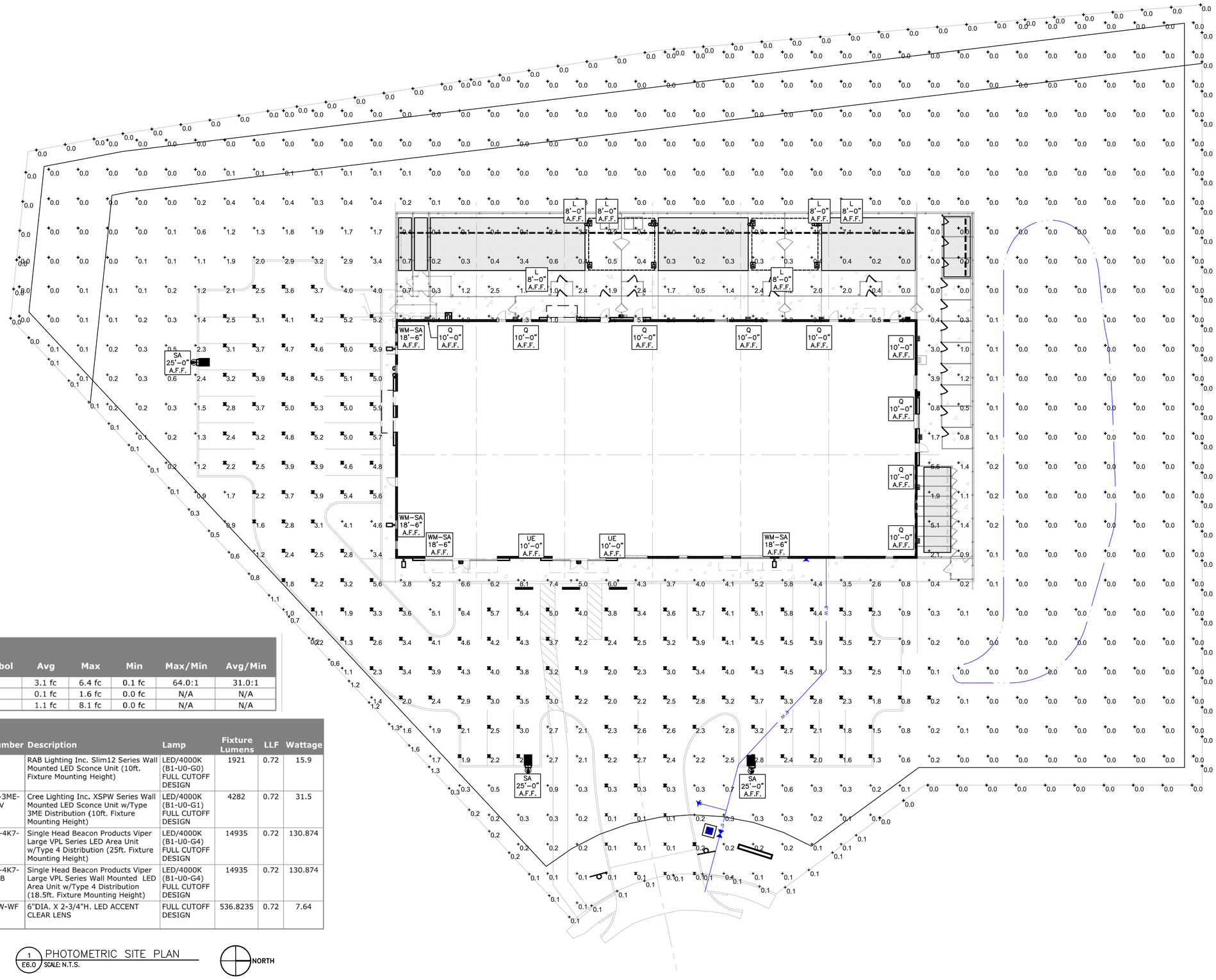
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KMW	RMB

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E5.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\620_E5.0 ELECTRICAL SITE PLAN.dwg
---- - akoliesar



Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot Light Levels	✳	3.1 fc	6.4 fc	0.1 fc	64.0:1	31.0:1
Property Line Light Levels	+	0.1 fc	1.6 fc	0.0 fc	N/A	N/A
Site Light Levels	+	1.1 fc	8.1 fc	0.0 fc	N/A	N/A

Schedule

Symbol	Label	Qty	Catalog Number	Description	Lamp	Fixture Lumens	LLF	Wattage
	Q	8	SLIM12Y	RAB Lighting Inc. Slim12 Series Wall Mounted LED Sconce Unit (10ft. Fixture Mounting Height)	LED/4000K (B1-U0-G0) FULL CUTOFF DESIGN	1921	0.72	15.9
	UE	2	XSPW-B-WM-3ME-4L-40K-UL-SV	Cree Lighting Inc. XSPW Series Wall Mounted LED Sconce Unit w/Type 3ME Distribution (10ft. Fixture Mounting Height)	LED/4000K (B1-U0-G1) FULL CUTOFF DESIGN	4282	0.72	31.5
	SA	3	VPL-64L-135-4K7-4-UNV-A-DB	Single Head Beacon Products Viper Large VPL Series LED Area Unit w/Type 4 Distribution (25ft. Fixture Mounting Height)	LED/4000K (B1-U0-G4) FULL CUTOFF DESIGN	14935	0.72	130.874
	WM-SA	4	VPL-64L-135-4K7-4-UNV-WB-DB	Single Head Beacon Products Viper Large VPL Series Wall Mounted LED Area Unit w/Type 4 Distribution (18.5ft. Fixture Mounting Height)	LED/4000K (B1-U0-G4) FULL CUTOFF DESIGN	14935	0.72	130.874
	L	5	3106-X-9.5-W-WF	6"DIA. X 2-3/4"H. LED ACCENT CLEAR LENS	FULL CUTOFF DESIGN	536.8235	0.72	7.64

1 E6.0 PHOTOMETRIC SITE PLAN
SCALE: N.T.S.

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SITE PHOTOMETRIC PLAN

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CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
KMW	AWC

JOB NO.
2020155.27

E6.0

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\625_E6.0-E6.1 PHOTOMETRIC SITE PLAN.dwg
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PROFESSIONAL OUTDOOR LIGHTING

Type:

Model:

Project:

SPECIFICATION SHEET

MODEL 3106 Landscape Series • Up & Accent Lights

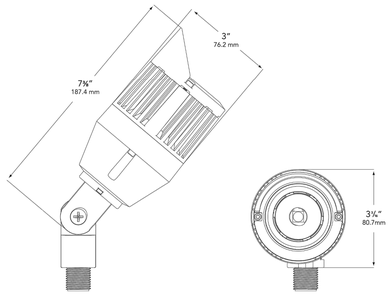
FIXTURE SPECIFICATIONS:

HOUSING:
Die-cast, copper-free aluminum.
SHROUD:
Die-cast, copper-free aluminum fitted to housing with a closed-cell molded silicone gasket – providing a superior weather-tight seal. Door is designed to shed water from the lens surface.
FINISH:
Durable powder coat finish available in Black, Architectural Bronze, Dark Bronze, Granite, White, Architectural Brick, Light Bronze, Special Bronze, Glossy Gray, Rust, Hunter Green, Weathered Bronze, Weathered Iron, Graphite Metallic, Verde, Pewter, Mocha and Olde Finish. Custom Powder coat finishes available on request.
LENS:
Clear, tempered, shock and heat-resitant, soda-lime glass lens.
LAMP TYPE:
LED Lamp Only - Cree® MT-G2 High Density Array (HDA) driven at 4.5-watts, 9.5-watts, or 13-watts. Color temperature available in 27 - (2700K),W - Warm (3000K), 35 - (3500K), N - Neutral (4000K), C - Cool (5000K).
ELECTRICAL:
Input voltage range 9 - 15V AC.

OPTICS:
Available in VNS - Very Narrow Spot, SP - Spot, MF - Medium Flood, or WF - Wide Flood.
MOUNTING:
Injection-molded composite adjustable knuckle with ½" NPS thread. Fixture may be mounted into threaded hubs in junction boxes, ground stakes (GR), tree mount boxes (TR), or mounting canopies (WR).
FASTENERS:
All fasteners are stainless steel.
WIRING:
Prewired with a 36" pigtail of 18-2 direct-burial cable and underground connectors for a secure connection to supply cable.

All Vista luminaires are MADE IN U.S.A.

DIMENSIONS:



Vista Professional Outdoor Lighting reserves the right to modify the design and/or construction of the fixture shown without further notification.

1625 Surveyor Avenue • Simi Valley, CA 93063 • (805) 527-0987 • (800) 766-VISTA (8478)
FAX: (888) 670-VISTA (8478) • email@vistapro.com • www.vistapro.com

XSP Series

XSPW™ LED Wall Mount Luminaire featuring Cree TrueWhite® Technology



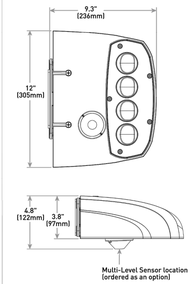
Product Description

The XSPW™ LED wall mount luminaire has a slim, low profile design intended for outdoor wall mounted applications. The rugged lightweight aluminum housing and mounting box are designed for installation over standard single gang J-Boxes and mud ring single gang J-Boxes. The luminaire allows for through-wired or conduit entry from the top, bottom, sides and rear. The housing design is intended specifically for LED technology including a weathertight LED driver compartment and thermal management. Optic design features industry-leading NanoOptic® Precision Delivery Grid™ system in multiple distributions.
Applications: General area and security lighting

Performance Summary

- NanoOptic® Precision Delivery Grid™ optic
- Assembled in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)
- **CCT:** 3000K, 4000K, 5000K, 5700K
- **Limited Warranty*:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

* See http://lighting.cree.com/warranty for warranty terms



Accessories

Field-Installed	
Beauty Plate WM-PLT12** - 12" [305mm] Square WM-PLT14** - 14" [356mm] Square - Covers holes left by incumbent wall packs	**Hand-Held Remote** XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

** Must specify color

Lumen Package	Weight
2L, 4L, 6L	11.0 lbs. (5.0kg)
8L	11.8 lbs. (5.4kg)

Ordering Information

Example: XSPW-B-WM-2ME-2L-30K-UL-BK

XSPW	B	WM						
Product	**Version**	**Mounting**	**Optic**	**Lumen Package***	**CCT**	**Voltage**	**Color Options**	**Options**
XSPW	B	**WM** Wall	**2ME** Type II Medium **3ME** Type III Medium **4ME** Type IV Medium	**2L** 2,490 lumens **4L** 4,270 lumens **6L** 6,100 lumens **8L** 8,475 lumens	**30K** 3000K - 70 CRI **40K** 4000K + 70 CRI **50K** 5000K - 90 CRI **57K** 5700K - 70 CRI	**UL** Universal: 120-277V **UH** Universal: 347-480V **347** 347V - For use with P option only	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**ML** **Multi-Level** - Refer to ML spec sheet for details - Available with UL voltage only **P** **Button Photocell** - Not available with ML or PML option - Available with UL and 34 voltages only **PML** **Programmable Multi-Level** - Refer to PML spec sheet for details - Available with UL voltage only

* Lumen Package selection codes identify approximate light output only. Actual lumen output levels may vary depending on CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values
** Consult factory for availability

Rev. Date: VersionB V2 01/03/2019

US: lighting.cree.com T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

SLIM12Y

RAB | Outdoor



12, 18 and 26 Watt SLIM wall packs are ultra efficient and deliver impressive light distribution with a compact low-profile design that's super easy to install as a downlight or uplight.

Weight: 4.5 lbs

Project:

Type:

Prepared By:

Date:

Driver Info		LED Info	
Type	Constant Current	Watts	12.00W
120V	0.12A	Color Temp	3000K (Warm)
208V	0.08A	Color Accuracy	71 CRI
240V	0.07A	L70 Lifespan	100,000
277V	0.06A	Lumens	1,922
Input Watts	15.50W	Efficacy	120.9 LPW
Efficiency	75%		

Technical Specifications

Listings

UL Listed:
Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

ADA Compliant:
SLIM™ is ADA Compliant

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Listed:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: P0000171L

Construction

IP Rating:
Ingress Protection rating of IP66 for dust and water

Cold Weather Starting:
Minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature:
Suitable for use in 40°C (104°F)

Housing:
Precision die-cast aluminum housing

Mounting:
Heavy-duty mounting bracket with hinged housing for easy installation

Recommended Mounting Height:
Up to 8 ft

Lens:
Tempered glass lens

Reflector:
Specular thermoplastic

Gaskets:
High-temperature silicone

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

LED Characteristics

LED:
Multi-chip, long-life LED

Lifespan:
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Color Consistency:
3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:
LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period

Need help? Tech help line: **(888) 722-1000** Email: **custserv@rablighting.com** Website: **www.rablighting.com**
Copyright © 2019 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

VIPER L

optics STRIKE

LARGE VIPER LUMINAIRE

Cat.#

Job

Type

BEACON design. performance. technology

Approvals

SPECIFICATIONS

Intended Use:
The Beacon Viper luminaire is available in two sizes with a wide choice of different LED wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

Construction:
- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and microcellular polyurethane foam gasket ensures a weather-proof seal around each individual optic.

Electrical:
- Luminaire accepts 100V through 277V, 50 Hz to 60 Hz (UNV), 347V, or 480V input.
- Power factor is ≥ .90 at full load.
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls.
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components and shall be provided with a push-button terminal block for AC power connections.
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Ambient operating temperature -40°C to 40°C
- Surge protection - 20kA.
- Lifeshield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

Controls/Options:
- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the motion response system reduces the wattage to factory preset level, reducing the light level accordingly. When motion is detected by the PIR sensor, the luminaire returns to full wattage and full light output. Please contact Beacon Products if project requirements vary from standard configuration.
- Available with Energent for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night (see www.beaconproducts.com/products/energent).
- In addition, Viper can be specified with **SiteSync™** wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7. For more details, see ordering information or visit: www.hubbelllighting.com/sitesync

Installation:
- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

Finish:
- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

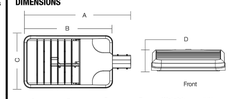
Certifications/Ratings:
- DesignLights Consortium (DLC) qualified, consult DLC website for more details: http://www.designlights.org/QPL
- Certified to UL 1598, UL 8750, and CSA C22.2
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://www.beaconproducts.com/products/viper_large

Warranty:
Five year limited warranty for more information visit: www.hubbelllighting.com/resources/warranty

PRODUCT IMAGE(S)

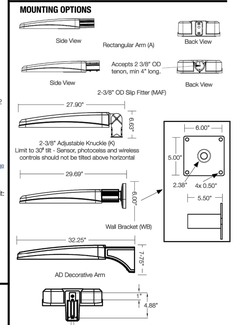


DIMENSIONS



A	B	C	D	Weight:	EPA
29.9" (741 mm)	24.19" (614 mm)	14.25" (362 mm)	4.13" (105 mm)	25.0 lbs (11.3 kg)	1.2 ft²

MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS

*3000K and warmer CCTs only

BEACON design. performance. technology
Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928
Due to our continued efforts to improve our products, product specifications are subject to change without notice.
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HUBBELL Lighting

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PHOTOMETRIC FIXTURES

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RECORD	-

PROJECT MANAGER	DESIGNER
KMW	AWC

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E6.1

Drawing Name: O:\2020\2020155 PetSuites\27_Lee Summit, MO (TM Crowley)\4_Working Files\00_CAD\00_Dwg\625_E6.0-E6.1 PHOTOMETRIC SITE PLAN.dwg
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