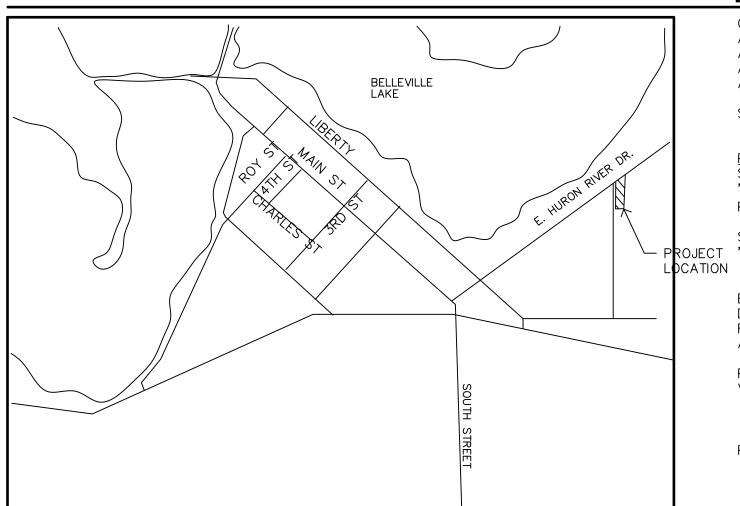
LOCATION MAP



PROJECT NORTH

ZONING ANALYSIS

CURRENT Z ADJACENT ADJACENT	ZONING	 		B- B- R-
ADJACENT ADJACENT				R-2 B-3

SITE AREA =21,844 SF OR .501 ACRES

PROPOSED USE SECTION 3.1.8_B_PRINCIPAL PERMITTED USES_ITEM XVIII "OTHER USES WHICH ARE SIMILAR TO THE ABOVE USES, AS DETERMINED BY THE PLANNING COMMISSION".

SECTION 3.1.8_B_PRINCIPAL PERMITTED USES_ITEM VIII ROJECT "PROFESSIONAL AND ADMINISTRATIVE USES" VETERINARY HOSPITAL AND DANCE SCHOOL

> BECAUSE THE ORDINANCE DOES NOT ADDRESS A VETERINARY HOSPITAL OR A DANCE SCHOOL, WE ARE ASKING THE PLANNING COMMISSION TO RECOGNIZE BOTH FUNCTIONS AS SIMILAR TO A PROFESSIONAL AND ADMINISTRATIVE USE WHICH IS A PRINCIPAL PERMITTED USE IN THE B-3 DISTRICT.

PETS ARE DROPPED OFF FOR MEDICAL CARE FROM A PROFESSIONAL VETERINARIAN.

PROPOSED AREA OF BUILDING (GFA) =5,100 SF TOTAL =2,590 SF VETERINARY HOSPITAL =2,510 SF DANCE SCHOOL

MAXIMUM BUILDING HEIGHT: =30' OR THREE STORIES HEIGHT PROVIDED =23'-2"

REQUIRED FRONT YARD SETBACK: 40 FT PROVIDED

5.33 FT

REQUIRED REAR YARD BUILDING SETBACK: 20 FT PROVIDED

58.33 FT

REQUIRED SIDEYARD SETBACK: O FT PROVIDED 27.66 FT

MAXIMUM LOT COVERAGE: NO RESTRICTION PROVIDED 23.6%

MINIMUM WIDTH NO RESTRICTIONS

MINIMUM LOT SIZE:

NO RESTRICTIONS PARKING CALCULATIONS PER GFA MINIMUM PARKING REQUIRED FOR HOSPITAL =1/ EVERY 100 SF IN WAITING AREA + 1/EXAM ROOM

=816/100 = 9 SPACES =3 EXAM ROOMS = 3 SPACES=TOTAL 12 SPACES MINIMUM PARKING REQUIRED FOR SCHOOL =1/ 2 TEACHERS AND 1/ 10 STUDENTS =3 TEACHERS = 2 SPACE

=60 STUDENTS = 6 SPACES=TOTAL 8 SPACES TOTAL REQUIRED SPACES

=20 SPACES

PARKING PROVIDED =21 SPACES (INCLUDING 2 BARRIER FREE SPACES)

PARKING DIMENSIONS = 9' X 20'

AISLE DIMENSIONS = 20'

LOADING PROVIDED: 1 SPACE AT 20' X 50'

<u>EMPLOYEES</u> NUMBER OF EMPLOYEES HOSPITAL LARGEST SHIFT: HOURS OF OPERATION

NUMBER OF EMPLOYEES SCHOOL LARGEST SHIFT: HOURS OF OPERATION

INTERIOR RENOVATIONS TO THE ANIMAL FRIENDS VETERINARY HOSPITAL 500 E HURON RIVER DRIVE, BELLEVILLE, MI 48111

DIRECTORY

ARCHITECT HOPPE DESIGN 47032 McBRIDE BELLEVILLE, MI 48111 734-218-2492

APPLICANT AND OWNER HEATHER KRULACK HKRULACK@GMAIL.COM 734.787.0018

4 PEOPLE 8 AM - 6 PM M-F 3 PEOPLE

4 PM - 9 PM M-F

DF	YA	WI	NG	IND	EX

DT	TITLE SHEET
	RAL STRUCTURAL NOTES SPECIAL INSPECTIONS STRUCTURAL FLOOR PLAN
ARCHITEC A001 A002 A101 A102 A103 A501	TURAL MATERIAL SPECIFICATION CODE ANALYSIS FLOOR PLAN REFLECTED CEILING AND INTERIOR ELEVATION DEMOLITION PLAN SCHEDULES
MECHANIC M101	AL HVAC PLANS
PLUMBING	

P101

P102

E101

ELECTRICAL

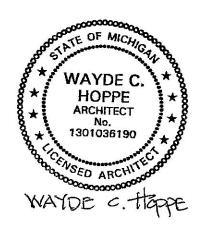
SANITARY PLUMBING PLAN

SUPPLY PLUMBING PLAN

LIGHTING PLAN

E102 POWER PLAN

PC SUBMITTAL **PROJECT NUMBER: 2202** DATE: 3/3/22





REVISIONS

PROJECT: 2202 DATE: 7.15.22 DRAWN: JPH CHECKED: WCH





DESCRIPTION	MANUFACTURER	MODEL	STYLE	FINISH	COLOR	STA NDARD S/ RESPON SIBILITY	COMMENTS	NIRMITAL
				DIVISIO	DN 3		<u> </u>	
FOUNDATIONS, BASEMENT WALLS, EXTERIOR WALLS, PIERS, COLUMNS,	3500 PSI AT 28 DAYS; .45 WATE RICE MENT RATIO; 1" MAX COARSE AGGREGATE; 564 LBSICY CE MENT				N/A		AGGREGATE MAX. NOT TO EXCEED 1/4 OF SLAB THICKNESS; NP CALCIUM CHLORIDE AD DITIVES	Х
FRAMING	CONTENT; 5-7% AIR ENTRAINMENT BY VOL; 3" SLUMP							
DRIVEWAYS, GARAGE FLOORS, PORCHES, PATIOS, STAIRS,	4000 PSI AT28 DAYS; 45 WATER/CEMENT RATIO; 1" MAX COARSE AGGREGATE; 584 LBS/CY CEMENT				N/A		AGGREGATE MAX. NOT TO EXCEED 1/4 OF SLAB THIC KNESS. FLOOR LEVEL TO BE 1/8" IN 10"MAX; NO CALCIUM CHLORIDE AD DITIVES. SAW CUT CON TROL JOINTS WITHIN	Х
SIDEWALKS, CURBS	and the second						24 HOURS OF INSTALLATION OF CONCRETE	
STEEL REINFORCING			GRADE 60		N/A	ACI, ASTMA615; CR SI		Х
	FLAT SHEETS; 6X6 W1.4 X W1.4 UNO SONNEBORN		FUGITIVE		N/A N/A	ASTMA18554T	PROVIDE CHAIRS AND BOLSTERS; STAGGER OVERLAPS 2 FULL MESH TWO COATS ON SLABS. VERIFY	
L'anne anne anne anne anne anne anne anne	L&MCONSTRUCTION CHEMICALS	L&MCURE R/R2	DYE		N/A	ASTM-C-309 TYPE 1 AND 2	COMPATIBILITY WITH FLOORING.	
				DIVISIO				
MORTAR: TYPE M-	PORTLAND CEMENT				NA	ASTMC-270, 2500 PSI	NO WELL OR LAKE WATER IN	X
BELOW GRADE MORITAR: TYPE S	PORTLAND CEMENT		fm 2000		BYOWNER		MOR TAR NO WELL OR LAKE WATER IN	X
	PORTLAND CEMENT		PSI		BYOWNER	·····	NORTAR NO WELL OR LAKE WATER IN	x
BRICK MASONRY GROUT	0.0425			N/A	NIA	ASTMC-476, 3000 PSI	NOR TAR ROD OR VIBRATE: LOW LIFT GROUT	X
FLASHING WEEPS	GRACE DUR-O-WALL	PERM-A- BARRIER D/A 1006	40 MIL		N/A N/A		SELFADHERING WITH PRIMER	X
TIES	HOLIVAN AND BARNARD	DW 10/ VWT TIE: ADJUSTABLE		GALV.	NA		TWO PIECE, 12 X 32, 18 X 21 OR 16 X 24 (W X H) TIES WITHIN 8" OF OPENINGS, ANGLES AND JOINTS. MECH PLAY. 02" TO .05". NO DRIPS. 05" DEFLECTION UNDER 100LBS TEN SION OR COMPRESSION. 9GA. WIRE, 4 1/2" MAX CAVITY DEPTH, WL7 MAX AREA PER TIE = 267 SF	X
MOISTURE BARRIER		378 OR RB			N/A			X
	AND BARNARD	STO OK NB		N/A	NIA		POLYETHYLENE, 8 MIL SLAB, 4 MIL WALLS, 2'-0" OVERLAP BENEATH	
							SLABS	
				DIVISIO				
STRUCTURAL STEEL		Fy= 50 KSI Fy= 50 KSI			N/A N/A		HOLES TO BE DRILLED NOT BURNED	X X
CHANNELS, ANGLES, PLATES HSS RECTANGULAR,		Fy= 36 KSI Fy= 46 KSI			N/A N/A	ASTMA36 ASTMA500		X X
SQUARE BOLTS: STRUCTURAL		TYPE B			N/A	STRENGTH: F 1554	3/4" UNO; PROVIDE WASHERS BENEATH TURNED ELEMENTS	х
NUTS BOLTWASHERS					n/A N/A	ASTMA-563 ASTMF-436; A-36	HARDENED; HOT DIPPED	
STEEL LINTELS			G 60		BYOWNER		GALVANIZED ALL EXTERIOR LINTELS TO BE GALVANIZED AND PAINTED.	X
STEEL BARS,		Fy= 33 KSI	G 60		N/A	A36/36M	INTERIOR LINTELS TO BE PAINTED.	
SHAPES, CLIPS WELDING ELECTRODES		TYPE 1 HIGH STRENGTH	E-70 SERIES		NA	AWS D1.1 SPECIFICATIONS; ASTM233		
Sector and the sector of the s	L&MCONSTRUCTION CHEMICALS	CRYSTEX 5000 PSI	NON- METALLIC, NON- SHRINK	N/A	NIA	ASTMC1107	PRE-MXED	Х
STEEL STUDS: 12, 14, 16 GA	CLARK DIETRICH	Fy= 50 KSI	CP 60 COATING		N/A	ASTMC955	16"OCUNO	
STEEL STUDS: 18, 20 GA. STEEL TRACS AND	CLARK DIETRICH	Fy= 33 KSI Fy= 33 KSI	CP 60 COATING CP 60		N/A N/A	ASTM C955 ASTM C955	16"OC UNO 16"OC UNO	
	CLARK DIETRICH	1 1/4"	COATING		N/A	A653		
CHANNEL: 25 GA PRIMER	TRUSCON	FLANGE 3/4" DEPTH 57 BAR OX	LEAD/ CHROMAT		RED		NON-ASPHALTIC, RUST INHIBITING	X
ALUMINUM BREAK METAL	ALCOA		E FREE 0.032	FACTORY	BYOWNER	8	ALUMINUM IS NOT BE IN CONTACT WITH TREATED LUMBER OR	
							MORTAR	
				DIVISIO				
FRAMINGLUMBER		S4S 19% MAX MOISTURE CONT.		N/A	N/A		STRUCTURAL SOUTHERN PINE, HEM-FIR NO 2	
					NA	AWPA UC 4A	80% RETENTION; AMONIA FREE	
TREATED LIMBER; BELOW GRADE					<u>.</u>		:	:
BELOW GRADE TREATED LIMBER; ABOVE GRADE	SIMPSON	G-185			nia Nia	AWPA UC3B	80% RETENTION; AMONIA FREE HOT DIPPED GALVANIZED OR	X
BELOW GRADE TREATED LIMBER; ABOVE GRADE	SIMPSON	G-185						X
BELOW GRADE TREATED LIMBER; ABOVE GRADE TREATED LUMBER HARDWARE TREATED LUMBER IN CONTACT WITH CONCRETE BOLTS FOR WOOD	SIMPSON	SAE GRADE 2					HOT DIPPED GALVANIZED OR STAINLESS STEEL	*
BELOW GRADE TREATED LIMBER; ABOVE GRADE TREATED LUMBER HARDWARE TREATED LUMBER IN CONTACT WITH	SIMPSON	SAE GRADE 2 OR 5 Fb= 2600 P SI, Fv= 285 P SI					HOT DIPPED GALVANIZED OR STAINLESS STEEL	
BELOW GRADE TREATED LIMBER; ABOVE GRADE TREATED LUMBER HARDWARE TREATED LUMBER IN CONTACT WITH CONCRETE BOLTS FOR WOOD CONSTRUCTION I JOISTS AND LVLS	SIMP SON	SAE GRADE 2 OR 5 Fb= 2600 PSI,					HOT DIPPED GALVANIZED OR STAINLESS STEEL	
BELOW GRADE TREATED LIMBER; ABOVE GRADE TREATED LUMBER HARDWARE TREATED LUMBER IN CONTACT WITH CONCRETE BOLTS FOR WOOD CONSTRUCTION IJOISTS AND LVLS		SAE GRADE 2 OR 5 Fb= 2600 PSI, Fv= 285 PSI UNO			NA	AWPA C2	HOT DIPPED GALVANIZED OR STAINLESS STEEL	X

ARC SPOT WELDS (PUDDLE WELDS) TO SUPPORTS SHALL HAVE A DIAMETER OF 5/2" MINIMUM OR AN ELONGATED WELD O AND ¾" MINIMUM LENGTH. WELD METAL SHALL PENETRATE ALL LAYERS OF DECK MATERIAL AT END LAPS AND HAVE AD SUPPORTING MEMBERS. WELDING SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STANDARD " WELDING SHEET STEEL IN STRUCTURES" AWS D1.3. UNITS SHALL BE FASTENED TO THE STEEL SUPPORTS AT THE END OF THE UNITS AND AT INTERMEDIATE SUPPORTS AND SUPPORTS AT THE SIDE BOUNDARIES BY $rac{3}{2}$ " DIAMETER PUDDLE WELDS AT 12" OC. SHEAR STUDS WELDED THROUGH DECK PLACE OF $\frac{3}{4}$ DIAMETER PUDDLE WELDS. THE SIDE LAPS OF ADJACENT UNITS SHALL BE FASTENED BETWEEN SUPPORTS BY BUTTON PUNCHING AT 24" OC UNO. STRUCTURAL STEEL UNLESS OTHERWISE NOTED, ALL BEAMS AND LINTELS BEARING ON MASONRY SHALL HAVE A MINIMUM BEARING LENGTH (A MINIMUM OF TWO BLOCK COURSES AT 32" LONG OF SOLID MASONRY UNDER THE BEARING SURFACE. WHERE STEEL CONNECTIONS ARE NOT FULLY DETAILED ON THE DESIGN DRAWINGS (WITH ALL REQUIREMENTS FOR BOLTS, DIMENSIONS, ETC SHOWN) CONNECTIONS SHALL BE DESIGNED BY THE STEEL CONTRACTOR UNDER THE SUPERVISION OF STATE THAT HAS JURISDICTION OVER THE PROJECT. WHERE TYPICAL OR INCOMPLETE CONNECTIONS ARE SHOWN ON THE DESIGN DRAWINGS, THOSE DETAILS SHALL BE USED CONNECTION DESIGN TO BE COMPLETED BY THE CONTRACTOR. ALTERNATE CONNECTIONS DESIGNED BY THE STEEL CON PROVIDED IF REQUIRED DESIGN FORCES CANNOT BE ACHIEVED BY THE TYPICAL OR EXAMPLE CONNECTION, OR IF AUTHOF DETAIL IS PROVIDED BY THE DESIGN ENGINEER. WHERE CONNECTION FORCES ARE INDICATED ON THE DRAWINGS, PROVIDE CONNECTIONS DESIGNED TO RESIST THE FORCE WHERE CONNECTION FORCES ARE NOT INDICATED ON THE DRAWINGS. PROVIDE CONNECTIONS DESIGNED TO RESIST FORCE FOR SHEAR CONNECTIONS IN NON-COMPOSITE MEMBERS, DESIGN CONNECTIONS TO RESIST 50% OF THE TOTAL ALLOWABI IN THE TABLES IN PART 3 OF THE AISC MANUAL OF STEEL CONSTRUCTION. FOR SHEAR CONNECTIONS IN COMPOSITE MEMBERS, DESIGN CONNECTIONS TO RESIST 75% OF THE TOTAL ALLOWABLE UN THE TABLES IN PART 3 OF THE AISC MANUAL OF STEEL CONSTRUCTION. FOR MOMENT CONNECTIONS, DESIGN CONNECTIONS TO RESIST 100% OF MOMENT CAPACITY OF THE MEMBER. ALL FULLY TENSIONED A490 BOLTS SHALL HAVE WASHERS BENEATH BOTH NUT AND HEAD. PROVIDE TEMPLATES TO LOC BASE PLATES. SHOP AND FIELD CONNECTIONS SHALL BE MADE BY WELDING OR HIGH STRENGTH BOLTING. BOLTED CONNECTIONS SHALL A325-X USING LOAD INDICATOR WASHERS (LIW) OR LOAD INDICATOR BOLTS (LIB). BEAM CONNECTIONS SHALL PROVIDE SUPPORT A REACTION R EQUAL TO HALF THE SHEAR CAPACITY OF BEAM. USE 칼 DIA BOLTS, E70XX 칼 WELD AND 흄 . ALL WELDING SHALL BE PERFORMED USING THE ELECTRIC ARC METHOD IN ACCORDANCE WITH THE LATEST REVISION OF ELECTRODES CONFORMING TO AWS A5.1 OR A5.5 SHALL BE USED FOR SHIELDED METAL ARC METHOD AND FX7-ECXX EI TO AWS F5.17 FOR SUBMERGED ARC METHOD. FOOTING BOTTOM ALL WELDS SHALL BE PROVIDED AS SHOWN IN THE STRUCTURAL DETAILS UNLESS THICKER WELD IS REQUIRED DUE TO METAILED IN NOT DETAILED, WELD SHALL BE DESIGNED BY A LICENSED ENGINEER RETAINED BY THE CONTRACTOR TO COLUMNS, BEAMS AND FORMED SURFACES IN DIRECT CONTACT WITH SOIL OR EXPOSED TO THE WEATHER, EXCEPT SLABS. 2" DECK SLAB TO TOP CAPACITY REQUIREMENTS LISTED ABOVE. WELD SIZES SHALL BE INCREASED AS NEEDED TO MEET THE FOLLOWING MINIM 1 J" DECK SLAB TO BOTTOM REQUIREMENTS BASED ON THE SMALLER MATERIAL THICKNESS OF THE PIECES OF STEEL BEING WELDED TOGETHER: INTERIOR FACES OF WALLS AND SLABS NOT EXPOSED TO WEATHER ₹" INTERIOR SLABS MATERIAL THICKNESS MIM FILLET WELD SIZE (PROVIDE LARGER WELD IF REQUIRED FOR STRESS) ¼" AND UNDER OVER ¼" TO ½" OVER ½" TO ¾" over ¾" IF PENETRATIONS THROUGH WEBS OF STEEL BEAMS WILL BE REQUIRED, CONTRACTOR TO NOTIFY ENGINEER OF RECORD. SEE ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS AND NON-STRUCTURAL STEEL. STEEL JOISTS PROVIDE AND INSTALL BRIDGING IN ACCORDANCE WITH STEEL JOISTS INSTITUTE STANDARDS. ALL ENDS OF BRIDGING LIN PROVIDE AND INSTALL BRIDGING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHI MASONRY WALLS SHALL BE ANCHORED THERETO IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WH TERMINATE AT A MASONRY WALL, THE FIRST AND SECOND BAYS FROM THE END OF THE BRIDGING IS TO BE DIAGONAL MANUFACTURER TO PROVIDE ADDITIONAL BRIDGING AS REQUIRED TO SATISFY SJI UPLIFT REQUIREMENTS. WHERE STEEL JOISTS SUPPORT MOVEABLE PARTITIONS, JOIST MANUFACTURER SHALL DESIGN JOIST FOR A MAXIMUM LIVE OF THE SMALLER OF $\frac{1}{2}$ " AND L/360. JOIST MANUFACTURER SHALL LIMIT JOIST DEFLECTION DUE TO LIVE/SNOW LOAD TO L/360. THE ENDS OF STEEL JOIST SHALL BEAR A MINIMUM DISTANCE OF 2½ INCHES OVER STEEL SUPPORTS AND 4 INCHES OVE THE ENDS SHALL BE FASTENED BY BOLTING AND OR WELDING. ERECTION OF JOISTS AND JOIST BRIDCING SHALL CONFORM TO ALL REQUIREMENTS OF OSHA AND JOIST MANUFACTURER. ALL LUMBER IN CONTACT WITH MASONRY OR STEEL TO BE PRESERVATIVE TREATED. ALL FLUSH FRAMED CONNECTIONS ARE TO MADE USING JOIST HANGERS DESIGNED FOR THE SPECIFIC CONDITION UNLESS ARE PROVIDED. SHOP DRAWINGS SHALL BE PROVIDED FOR ALL ENGINEERED WOOD MATERIAL INDICATING PRODUCTS, DETAILS, CONNECTIO REQUIRED BY THE MANUFACTURE TO MEET PROJECT LOADING REQUIREMENTS. OBSERVE ALL CODE REQUIREMENTS FOR BRIDGING, BORING, AND NOTCHING OF STUDS AND JOISTS. FOR BRIDGING, BORING ENGINEERED WOOD PRODUCTS OBSERVE ALL MANUFACTURER REQUIREMENTS. BRIDGING SHALL BE PROVIDED FOR ALL ROOF RAFTERS. ALL ROOF RAFTERS ARE TO BE 24" ON CENTER UNLESS OTHERWISE NOTED.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION TO ACCOUNT FOR ALL FORCES,

INCLUDING BUT NOT LIMITED TO FORCES FROM GRAVITY, EARTH, WIND AND UNBALANCED FORCES DUE TO CONSTRUCTION SEQUENCES. THE STRUCTURAL INTEGRITY OF THE BUILDING SHOWN ON THESE PLANS IS DEPENDENT UPON COMPLETION ACCORDING TO PLANS AND FOUNDATIONS THE BOTTOMS OF ALL EXTERIOR FOOTINGS SHALL BE 3'-6" MINIMUM BELOW FINISHED GRADE. IF THE BUILDING WILL BE UNDER CONSTRUCTION BRACING OR UNDERPINNING AS REQUIRED OR LEAVE FOOTING ELEVATION AS DESIGNED AND PROVIDE CONTINUED PROTECTION AND HEAT TO PREVENT FORMATION OF FROST BELOW FOOTING AND ADJACENT TO FOOTING. PRETREAT EXCAVATIONS WITH TERMITICIDE AND INSPECT EXCAVATIONS PRIOR TO POURING CONCRETE. TEMPORARY BRACING MUST BE PROVIDED TO RESIST ALL LATERAL FORCES UNTIL STRUCTURAL SYSTEM IS SELF SUPPORTING. INSPECT ALL REINFORCING BEFORE POURING CONCRETE. MASONR' CONSTRUCTION" BY THE COUNCIL FOR MASONRY WALL BRACING AND ALSO NCMA TEK 304B "BRACING CONCRETE MASONRY WALLS DURING THE DISCONTINUOUS ENDS OF ALL MASONRY WALLS SHALL BE SOLIDLY GROUTED A MINIMUM OF 8" OR ONE BLOCK CELL AND REINFORCED FOR PROVIDE REINFORCING CHANNELS, STANDARD CLOSURES, CANT STRIPS, SUMP PANS, FINISH STRIPS, POUR STOPS, AND OTHER ACCESSORIES AS TO SUPPORT METAL DECKS AS REQUIRED. FASTEN STEEL DECK UNITS TO STRUCTURAL SUPPORTS USING HEX WASHER HEAD TEK SCREWS OR ARC SPOT WELDS ACCORDING TO

SPECIFICATIONS. STRUCTURAL MEMBERS ARE NOT SELF BRACING AND SHALL BE SHORED AND/OR BRACED BY THE CONTRACTOR AS NECESSARY FIELD MEASURE AND VERIFY ALL DIMENSIONS AND ELEVATIONS BEFORE FABRICATION. ANTICIPATED BEARING CAPACITY FOR APPROPRIATE RE-DESIGN OR LOWERING OF FOOTING. SUCH ADDITIONAL FOOTING DEPTH WILL CAUSE UNDERMINING OF ADJACENT EXISTING FOOTINGS OR STRUCTURES, PROVIDE APPROPRIATE SHORING, STRUCTURES, PAVEMENTS AND UTILITIES. PROVIDE 🖥 CONCRETE COVER MINIMUM FROM TOP OF SLAB TO SLAB REINFORCING AND LAP ALL STEEL FABRIC SPLICES 6" MIN. REINFORCING SHALL BE CENTERED IN SLAB. REINFORCING MASONRY WALLS ARE TO BE ADEQUATELY BRACED DURING CONSTRUCTION. SEE "STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION" FOR RECOMMENDATIONS REGARDING BRACING. THEIR FULL HEIGHT WITH ONE #5 BAR UNO. AT GROUTED CELLS LIFTS OF GROUT SHALL BE KEYED 4" INTO THE COURSE OF MASONRY BELOW. ALL CMU BOND BEAMS TO HAVE (2) #4 BARS CONTINUOUS. PROVIDE (2) #4 L BARS AT EVERY CORNER LAPPED 3'-0" WITH CONTINUOUS. BARS. VERTICAL CONTROL JOINTS IN CMU WALLS TO HAVE A MINIMUM 3/3" GAP AND SHALL BE LOCATED BY THE ARCHITECT, BUT NOT MOVE THAN BRICK TIES SHALL BE GALVANIZED ADJUSTABLE 2-PIECE WIRE TIES OF NOT LESS THAN 9 GAGE AND SHALL BE SPACED AT 16" OC VERTICALLY WHERE MASONRY MEETS STRUCTURAL MEMBERS SUBJECT TO VERTICAL DEFLECTION, PROVIDE ALLOWANCE FOR VERITICAL MOVEMENT OF L/240 PROVIDE A 24" LAP AT FOUNDATION DOWELS. UNLESS OTHERWISE NOTED, ALL METAL DECK HAS BEEN DESIGNED TO BE CONTINUOUS OVER 3 SPANS MINIMUM AND SHALL BEAR AT LEAST 2"

UNTIL STABILIZED BY VIRTUE OF COMPLETED CONNECTIONS. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL, HAVING A MINIMUM SAFE BEARING CAPACITY. THE TESTING AND INSPECTION AGENCY SHALL VERIFY SOIL BEARING CAPACITY AT EACH FOOTING PRIOR TO INSTALLATION OF FOOTING. NOTIFY ENGINEER OF ANY VARIATION FROM DURING FREEZING WEATHER, ALL INTERIOR FOUNDATIONS SHALL BE DEPRESSED 3'-6" BELOW CONSTRUCTION GRADE FOR FROST PROTECTION. IF THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS AND ADJACENT STRUCTURES, PAVEMENTS, AND UTILITIES. ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL SHORING, BRACING, AND DEWATERING THAT IS REQUIRED TO PROPERLY CONSTRUCT THE FOUNDATIONS AND PROTECT ADJACENT CONCRETE SLABS PLUMBING AND ELECTRICAL CONTRACTORS ARE TO PROVIDE ALL REQUIRED UNDERSLAB WORK PRIOR TO POURING THE FLOOR SLAB. SLOPE SLABS TO FLOOR DRAINS. VERIFY DEPRESSIONS AND FLOOR FINISHES. GRANULAR BASE TO BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY UNDER ALL SLABS ON GRADE. MINIMUM CONCRETE COVERING SHALL BE: PLACE LADDER TYPE HORIZONTAL JOINT REINFORCING WITH PREFORMED LAPPED CORNER REINFORCING. 20**'**--0" OC. AND HORIZONTALLY. OF STRUCTURAL MEMBER. BOND BEAM REINFORCING TO BE CONTINUOUS ACROSS CONTROL JOINTS. AIR TEMPERATURE AT TIME OF MASONRY INSTALLATION SHALL BE 40<T<90 DEGREES F. METAL DECK ON STEEL SUPPORTS. FOR ONE OR TWO SPAN CONDITIONS, THE CONTRACTOR SHALL PROVIDE SHORING AS REQUIRED OR FURNISH HIGHER GAGE DECK AS REQUIRED TO SUPPORT ALL THE APPLICABLE LOADS. CONTRACTOR SHALL SUBMIT ALTERNATE FOR APPROVAL. REQUIRED FOR PROPERLY FINISHED JOB, EVEN IF NOT SPECIFICALLY SHOWN ON THE DRAWINGS. PROVIDE BEARING ANGLES WELDED TO COLUMNS

MANUFACTURER'S SPECIFICATIONS AND IN CONFORMANCE WITH THE STEEL DECK INSTITUTES SPECIFICATION SECTION 4.4.

METAL STUD SIZING

ALLOWABLE HEIGHTS STUD SIZE 3 $\frac{1}{2}$ " OR 4" X 20 GA 3 $\frac{1}{2}$ " OR 4" X 18 GA 3 $\frac{1}{2}$ " OR 4" X 16 GA	16" OC/ 33 KSI ** 13'-11" 18'-2" 19'-6"
5 ½" OR 6" X 20 GA	23'-11"
5 ½" OR 6" X 18 GA	27'-2"
5 ½" OR 6" X 16 GA	30'-0"

** HEIGHTS BASED ON 16" OC STUD SPACING, 5 PSF LATERAL LOAD, L/240 DEFLECTION, NON-STRUCTURAL APPLICATION. BRIDGING AT MIDPOINTS OR 8'-0" MAX

STUD SIZE 3 $\frac{1}{2}$ " OR 4" X 20 GA 3 $\frac{1}{2}$ " OR 4" X 18 GA 3 $\frac{1}{2}$ " OR 4" X 16 GA	11'-0" 12'-0"	12" OC/33 KSI*** 12'-3" 13'-3" 14'-3"
5 $\frac{1}{2}$ " OR 6" X 20 GA 5 $\frac{1}{2}$ " OR 6" X 18 GA 5 $\frac{1}{2}$ " OR 6" X 16 GA 5 $\frac{1}{2}$ " OR 6" X 12 GA	18'-0"	18'-0" 19'-8" 21'-3" 28'-0"
	20'-6" 22'-6" 24'-3" 28'-9"	22'-8" 24'-9" 26'-8" 31'-8"
STUD SIZE 3 <u>1</u> " OR 4" X 20 GA 3 <u>1</u> " OR 4" X 18 GA 3 <u>1</u> " OR 4" X 16 GA	12'-0" 13'-3"	12" OC/50 KSI*** 13'-6" 14'-8" 15'-8"
5 $\frac{1}{2}$ " OR 6" X 20 GA 5 $\frac{1}{2}$ " OR 6" X 18 GA 5 $\frac{1}{2}$ " OR 6" X 16 GA 5 $\frac{1}{2}$ " OR 6" X 12 GA	19'-8"	20'-0" 21'-8" 23'-4" 31'-0"
	22'-6" 24'-9" 26'-8" 31'-8"	25'-0" 27'-3" 29'-4" 34'-9"

*** HEIGHTS BASED ON 20 PSF LATERAL LOAD, L/240 DEFLECTION, STRUCTURAL APPLICATION. BRIDGING AT $\frac{1}{3}$ POINTS OR 8'-0" MAX.

ROOF DESIGN NOTES: A. VERTICAL WEB MEMBERS FOR ALL GABLE END TRUSSES SHALL BE DESIGNED TO RESIST A HORIZONTAL WIND LOAD

DESIGNED WIND SPEED WITHOUT EXCEEDING THE DEFLECTION LIMIT OF L/600 OF THEIR RESPECTIVE VERTICAL SPANS BRIDGING FOR BOTTOM CHORDS SHALL BE DESIGNED TO DISTRIBUTE THE HORIZONTAL WIND LOAD PROPOSED ON THE SHEAR WALLS AND SHALL BE DESIGNED FOR A TOTAL IMPOSED WIND LOAD ON BUILDING INCLUDING WINDWARD PRESSURE FROM THE DESIGNED WIND SPEEDS.

MASONRY LINTEL SCHEDULE

PROVIDE 8" MIN. BEARING EA. END WITH (3) COURSES BENEATH BEARING GROUTED SOLID

- ALL LINTELS TO BE 3/8" MIN. AND EXTERIOR LINTELS ARE TO BE GALVANIZED AND PAINTED

HORIZONTAL LEGS 4" MASONRY: ONE 3 1/2" 6" MASONRY: TWO 2 1/2" 8" MASONRY: TWO 3 1/2" 10" MASONRY: TWO 4" 12" MASONRY: TWO 5"

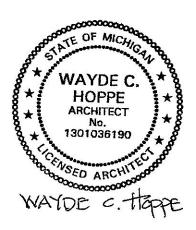
VERTICAL LEGS SPANS LESS THAN 4'-0'': 3 1/2'' MIN. SPANS 4'-0" TO 6'-8": 5" MIN. SPANS OVER 6'-8" SEE PLANS OR CONTACT ARCHITECT FOR SIZING

NOTES: PROVIDE BRICK SOLIDS AT ALL SILL ENDS.

RETURN BRICK AT WINDOWS ADJACENT TO SIDING ALL BRICK LINTELS TO BE GALVANIZED.

OF %" MINIMUM WIDTH ADEQUATE FUSION TO THE " SPECIFICATION FOR						
		Г)ES			
ND TO THE STEEL	TABLE 1604.5					
CK MAY BE USED IN			WIN			
	FIGURE 1609.3.1	V	BAS			
	SECTION 1609.4.3		EXF			
OF 7 🖁 AND SHALL HAVE		lw	IMP ADJ			
OF 7 2 AND SHALL HAVE			SNO			
S, PLATES, WELDS,	FIGURE 1608.2	Pg	GR			
A P.E. LICENSED IN THE		ls	IMP			
		Се	EXF			
) AS A BASIS FOR NTRACTOR WILL BE		Ct	THE			
ORIZATION TO ALTER THE			ROO			
			CEI			
CE SHOWN.			тот			
CES AS FOLLOWS: BLE UNIFORM LOAD SHOWN			LOA			
BLE UNIFORM LOAD SHOWN			soi			
INIFORM LOAD SHOWN IN			SEL			
			(MIN PRE			
DCATE ANCHOR BOLTS AND			SEI			
L CONFORM TO ACTN	TABLE 1604.5		RIS			
L CONFORM TO ASTM SHEAR CAPACITY TO		l _e	SEL			
ANGLE THICKNESS.	FIGURE 1613.3.1(1)	S_{S}	MAF RES			
THE AWS D1.1. E70XX	FIGURE 1613.3.1(2)		MAF			
ELECTRODE CONFORMING		S ₁	RES			
MATERIAL THICKNESSES.	SECTION 1613.3.2 SECTION 1613.3.4		SITI			
O MEET CONNECTION	SECTION 1013.3.4	\mathbf{S}_{DS}	RES			
IMUM WELD SIZE	SECTION 1613.3.4	ODS	ON			
		S_{D1}	RE			
	SECTION 1613.3.3, TABLE 1613.3.3(2)	-				
	SECTION 1613.3.3,	F _A	-			
	TABLE 1613.3.3(2)	F_{V}				
		S _{MS}	F _A S			
		S _{M1}	F _√ S			
	SECTION 1613.3.1	SDC	SEI			
			NO SEI			
LINES TERMINATING AT HERE BRIDGING DOES NOT			ALL			
X-BRIDGING.			MOI			
			OF .			
/E/SNOW LOAD DEFLECTION						
			<u>RE</u>			
	STRUCTURAL LOADS		ASC			
VER ALL OTHER SUPPORTS.	CONCRETE		ACI			
			ACI			
R.						
			ACI			
			POF			
S OTHER CONNECTIONS			"DE			
	MASONRY		ACI			
IONS AND ACCESSORIES AS			ACI			
DING AND NOTOUING OF						
RING AND NOTCHING OF			CO			
	BRICK		BIA			
	STEEL		AIS			
			STF			
	WELDING		AME			
D RESULTING FROM THE NS.	STEEL JOISTS		D1. STE			
THE COMPLETE BUILDING TO			SPE			
RD AND LEEWARD	METAL DECK		STE			
	WOOD		"NA FOF			

	Г	ESIGN LOADS	
TABLE 1604.5			
TIDEE 1004.0			
		WIND	
FIGURE 1609.3.1	V	BASIC WIND SPEED (MPH)	115
SECTION 1609.4.3		EXPOSURE CATEGORY	В
	lw	IMPORTANCE FACTOR	1
		ADJUSTMENT FACTOR	1.12
		SNOW	
FIGURE 1608.2	Pg	GROUND SNOW (PSF)	25.00
	ls	IMPORTANCE FACTOR	1.00
	Ce	EXPOSURE FACTOR	1.00
	Ct	THERMAL FACTOR	1.00
		ROOF DEAD LOAD (PSF)	20.00
		CEILING DEAD LOAD (PSF)	5.00
		TOTAL UNFACTORED DESIGN ROOF	
		LOAD (PSF)	
		25 + 20 + 5 =	50
		SOILS	
		SELF SUPPORTING FOUNDATION	3000
		PRESSURE IN PSF)	
		SEISMIC	
TABLE 1604.5		RISK CATEGORY	
	l _e		1.00
FIGURE 1613.3.1(1)		MAPPED TWO SECOND SPECTRAL	4
	S _S		.1g
FIGURE 1613.3.1(2)		MAPPED ONE SECOND SPECTRAL	
	S ₁	RESPONSE ACCELERATION	.04g
SECTION 1613.3.2		SITE CLASS	D
SECTION 1613.3.4		SHORT PERIOD DESIGN SPECTRAL	
	S _{DS}	RESPONSE ACCELERATION	0.1
SECTION 1613.3.4	-	ONE SECOND DESIGN SPECTRAL	0.00
	S _{D1}	RESPONSE ACCELERATION	0.08
SECTION 1613.3.3,	_		4.0
TABLE 1613.3.3(2)	F _A		1.6
SECTION 1613.3.3,	-		24
TABLE 1613.3.3(2)	F _V	5.0	2.4
	S _{MS}	F _A S _S	0.16
	S _{M1}		0.12
SECTION 1613.3.1	SDC	SEISMIC DESIGN CATEGORY	A
		NO SPECIAL ANALYSIS REQUIRED FOR	
		SEISMIC DESIGN CATEGORY A	
		ALL LOADS ARE SUBJECT TO	
		MODIFICATION PER REQUIREMENTS	
		OF ASCE-7	
	ŀ	REFERENCES	
STRUCTURAL LOADS		ASCE-7	2010
CONCRETE		ACI 301	
		ACI 318 BUILDING CODE	2010
		REQUIREMENTS FOR REINFORCED	
		ACI SP 66	0044
		PORTLAND CEMENT ASSOCIATION	2011
		"DESIGN AND CONTROL OF CONCRETE MIXTURE"	
MASONRY		ACI 530/ASCE 5	2013
		ACI 530.1/ASCE 5	2010
		NCMA TEK 3-4B " BRACING CONCRETE	2005
		MASONRY WALLS DURING	2000
		CONSTRUCTION"	
BRICK		BIA "TECHNICAL NOTES ON BRICK	
		CONSTRUCTION"	
STEEL		AISC "SPECIFICATION FOR	13TH
		STRUCTURAL STEEL BUILDINGS"	EDITION
WELDING		AMERICAN WELDING SOCIETY AWS	2015
		D1.1/D1.1M	-
STEEL JOISTS		STEEL JOISTS INSTITUTE "STANDARD	2015
		SPECIFICATION"	
		STEEK DECK INSTITUTE	1987
METAL DECK		"NATIONAL DESIGN SPECIFICATION	2015
METAL DECK WOOD		I NATIONAL DESIGN SPECIFICATION I	2010
		FOR WOOD CONSTRUCTION"	2013
			2010





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PROJECT: 2202 DATE: 7.15.22 DRAWN: JPH CHECKED: WCH





STATEMENT OF SPECIAL INSPECTIONS

STATEMENT OF SPECIA	AL INS	PEC	TIONS		3) SHEAR REINFORCEMENT	Х				
	FREQ	UENCY	REFERENCE CRITE	RIA	4) OTHER REINFORCING		Х			
STEEL CONSTRUCTION (TABLE 1704.3)		PERI-		IBC REF'RENCE	STEEL 6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE		Х			
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS,					WITH APPROVED CONSTUCTION DOCUMENTS:					
AND WASHERS: A. IDENTIFICATION MARKINGS		Х	APPLICABLE ASTM		A. DETAILS SUCH AS BRACING AND STIFFENING		Х	-		1704.3.2
TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE			MATERIAL SPECIFICATIONS; AISC		B. MEMBER LOCATIONS		Х			
APPROVED CONSTRUCTION			360, SECTION A3.3		C. APPLICATION OF JOINT DETAILS AT EACH		Х			
DOCUMENTS B. MANUFACTURER'S		Х			CONNECTION					
CERTIFICATE OF COMPLIANCE REQUIRED										
2. INSPECTION OF HIGH- STRENGTH BOLTING					REQUIRED VERIFICATION AND INSPECTION OF CONCRETE	INOUS	PERI- ODIC	REFERENCE	D STANDARD	IBC SECTION
A. SNUG TIGHT JOINTS		Х			CONSTRUCTION (TABLE 1704.4) 1. INSPECTION OF REINFORCING		Х	ACI 318: 3	3.5, 7.1-7.7	1913.4
B. SLIP-CRITICAL CONNECTIONS WITH	Х	Х			STEEL AND PLACEMENT 2. INSPECTION OF REINFORCING			AWS	6 D1.4	
MATCHMARKING, TWIST OFF					STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5B			ACI 31	8: 3.5.2	
BOLT OR DIRECT TENSION			AISC 360, SECTION M2.5	1704.3.3	3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR	Х		ACI 318: 8	3.13, 21.2.8	1911.5, 1912.1
C. SLIP-CRITICAL CONNECTIONS WITHOUT	Х				TO AND DURING PLACEMENT OF					1912.1
MATCHMARKING OR CALIBRATED WRENCH					CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED					
METHODS 3. MATERIAL VERIFICATION OF STRUCTURAL STEEL					4. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE		Х	ACI 318;3.8.6	8, 8.1.3, 21.2.8	1912.1
A. IDENTIFICATION MARKINGS TO CONFORM TO AISC 360		Х	AISC 360, SECTION M5.5		5. VERIFYING USE OF REQUIRED DESIGN MIX		Х	ACI 318: C	H. 4, 5.2-5.4	1904.3, 1913.2,
B. FOR OTHER STEEL		Х	APPLICABLE ASTM MATERIAL STANDARDS		6. AT THE TIME FRESH CONRETE	Х		ASTⅣ	1 C 172	1913.3 1913.1
TO CONFORM TO ASTM					IS SAMPLED TO FABRICATE SPECIFIMENS FOR STRENGTH				∕I C 31 ∷ 5.6, 5.8	
STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION					TESTS, PERFORM SLUMP AND AIR				. 0.0, 0.0	
DOCUMENTS C. MANUFACTURER'S		х			CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE					
CERTIFIED MILL TEST REPORTS 4. MATERIAL VERFICATION OF					7. INSPECTION OF CONCRETE PLACEMENT FOR PROPER	Х		ACI 318:	5.9, 5.10	1913.6, 1913.7,
WELD FILLER MATERIALS A. IDENTIFICATION MARKINGS		Х	AISC 360, SECTION A3.5		APPLICATION TECHNIQUES					1913.8
TO CONFORM TO AWS		Λ	AND APPLICABLE AWS A5	_	8. INSPECTION FOR MAINTENANCE OF SPECIFIED		Х	ACI 318:	5.11-5.13	1913.9
SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS			DOCUMENTS		CURING TEMPERATURE AND TECHNIQUES 9. INSPECT FORMWORK FOR		Х	ACI 31	8: 6.1.1	
MANUFACTURER'S CERTIFICATE OF COMPLIANCE		Х			SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE					
REQUIRED					MEMBER BEING FORMED					
5. INSPECTION OF WELDING A. STRUCTURAL STEEL AND						FREG	QUENCY	REF	ERENCE CRIT	ERIA
COLD FORMED STEEL DECK 1) COMPLETE AND	Х				LEVEL 1 SPECIAL INSPECTION (TABLE 1704.5.1)	CONT-	PERI- ODIC	OBC SECTION	ACI 530/ ASCE 5/	ACI 530.1/ ASCE 6/
PARTIAL PENETRATION	^				INSPECTION TASK				TMS 402	TMS 602
GROOVE WELDS 2) MULTIPASS FILLET	Х				1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL					
WELDS 3) SINGLE-PASS FILLET	х		AWS D1.1	1704.3.1	BE VERIFIED TO ENSURE COMPLIANCE:					
WELDS < 5/16" 4) PLUG AND SLOT WELDS	X				A. PROPORTIONS OF SITE- PREPARED MORTAR		Х			ART. 2.6a
, ,					B. CONSTRUCTION OF MORTAR JOINTS		Х			ART. 3.3B
5) SINGLE-PASS FILLET WELDS < 5/16"		Х			C. LOCATION OF		Х			ART. 3.4,
5) FLOOR AND ROOF DECK WELDS		Х	AWS D1.3		REINFORCEMENT, CONNECTORS AND					3.6A
B. REINFORCING STEEL:1) VERIFICATION OF		х			ANCHORAGES 2. THE INSPECTION PROGRAM					
WELDABILITY OF		Χ			SHALL VERIFY: A. SIZE AND LOCATION OF		х			ART. 3.3F
REINFORCING STEEL OTHER THAN ASTM A 706					STRUCTURAL ELEMENTS					74111 J. JI
2) REINFORCING STEEL- RESISTING FLEXURAL AND	Х				B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING		Х		SEC. 1.2.2(E),	
AXIAL FORCES IN INTERMEDIATE AND					OTHER DETAILS OF ANCHORAGE OF MASONRY TO				1.16.1	
SPECIAL MOMENT			AWS D1.4 ACI 318: 3.5.2	—	STRUCTURAL MEMBERS, FRAMES OR OTHER					
FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL					CONSTRUCTION					
REINFORCED CONCRETE SHEAR WALLS AND SHEAR					C. SPECIFIED SIZE, GRADE AND TYPE OF		Х	_	SEC. 1.15	ART. 2.4, 3.4
REINFORCEMENT					REINFORCEMENT					

3) SHEAR	Х		
REINFORCEMENT			
4) OTHER REINFORCING		Х	
STEEL			
SPECTION OF STEEL FRAME		Х	
DETAILS FOR COMPLIANCE			
APPROVED CONSTUCTION			
JMENTS:			
. DETAILS SUCH AS		Х	1704.3.2
RACING AND STIFFENING			 1704.3.2
. MEMBER LOCATIONS		Х	
. APPLICATION OF JOINT		Х	
ETAILS AT EACH			

D. WELDING OF REINFORCING BARS	Х
E. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEG F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEG F)	
3. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:	
A. GROUT SPACE IS CLEAN B. PLACEMENT OF REINFORCEMENT AND CONNECTORS	
C. PROPORTIONS OF SITE- PREPARED GROUT	
D. CONSTRUCTION OF MORTAR JOINTS	
4. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE	Х
COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS	
5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED	
6. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND	
THE APPROVED SUBMITTALS SHALL BE VERIFIED	
SHALL BE VERIFIED REQUIRED VERIFICATION AND INSPECTION OF SOILS (TABLE	FREQU CONT- INOUS
SHALL BE VERIFIED	CONT-
 SHALL BE VERIFIED REQUIRED VERIFICATION AND INSPECTION OF SOILS (TABLE 1704.7) VERIFICATION AND INSPECTION 1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY 2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER 	CONT-
 SHALL BE VERIFIED REQUIRED VERIFICATION AND INSPECTION OF SOILS (TABLE 1704.7) VERIFICATION AND INSPECTION 1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY 2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL 3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL 	CONT-
 SHALL BE VERIFIED REQUIRED VERIFICATION AND INSPECTION OF SOILS (TABLE 1704.7) VERIFICATION AND INSPECTION 1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY 2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL 3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS 4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING 	CONT-
 SHALL BE VERIFIED REQUIRED VERIFICATION AND INSPECTION OF SOILS (TABLE 1704.7) VERIFICATION AND INSPECTION 1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY 2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL 3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS 4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT 	CONT-INOUS

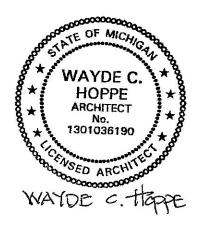
VERIFY ALL DIMENSIONS IN FIELD

 X	 SEC. 2104.3, 2104.4	SEC. 2.1.9.7.2, 3.3.3.4(B) 	–– ART. 1.8C, 1.8D
X X		 SEC. 1.13	ART. 3.2D ART 3.4
Х			ART. 2.6B
Х			ART . 3.3B
			ART 3.5
	SEC. 2105.2.2, 2105.3		ART. 1.4
Х			ART. 1.5

QUENCY PERI-ODIC

- Х
- Х Х
- ____
- Х

S VETERINARY HOSPITAL INTERIOR RENOVATION 500 E. HURON RIVER DRIVE, BELLEVILLE, MI 48111 FRIENDS ANIMAL



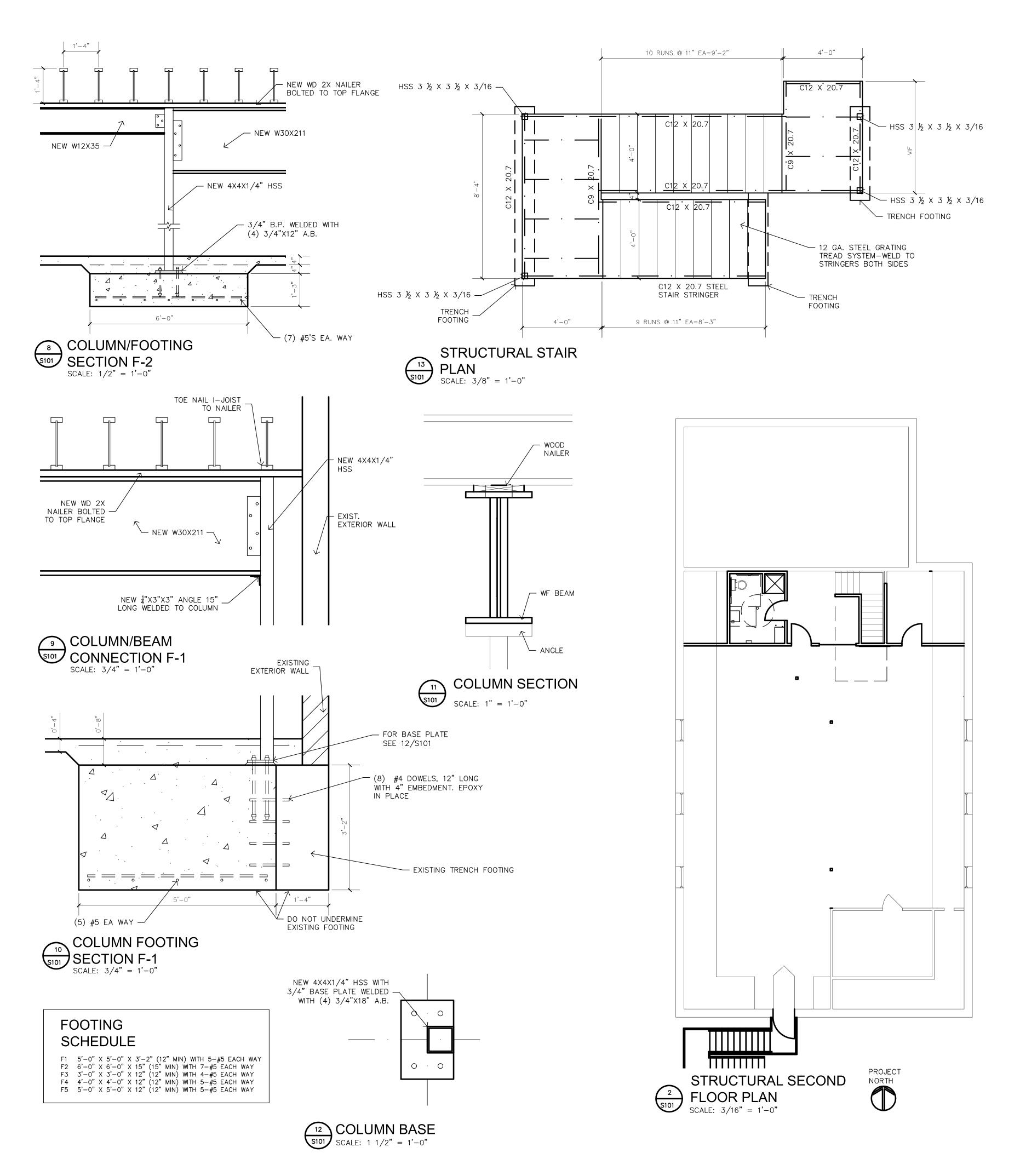


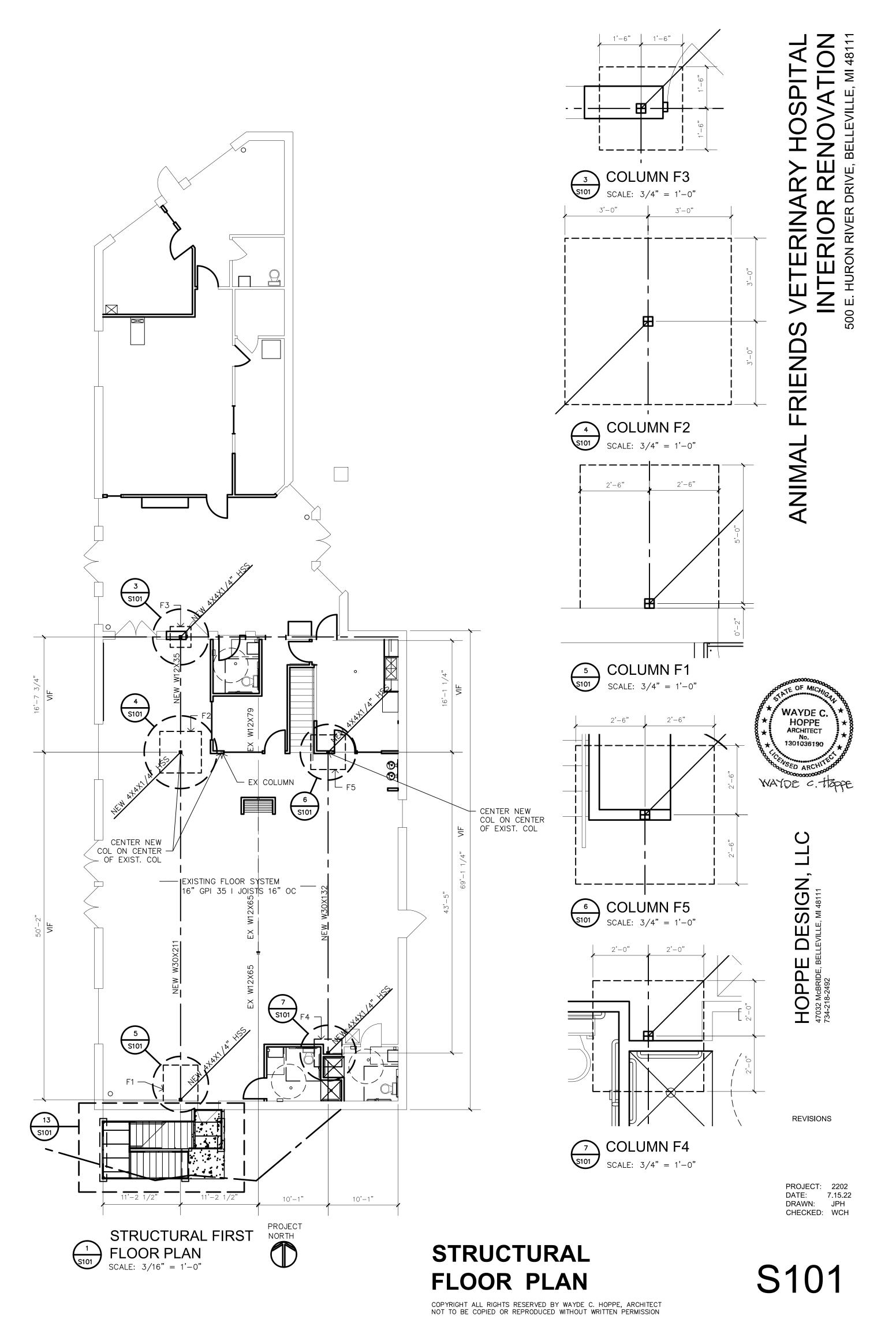
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PROJECT: 2202 DATE: 7.15.22 DRAWN: JPH CHECKED: WCH

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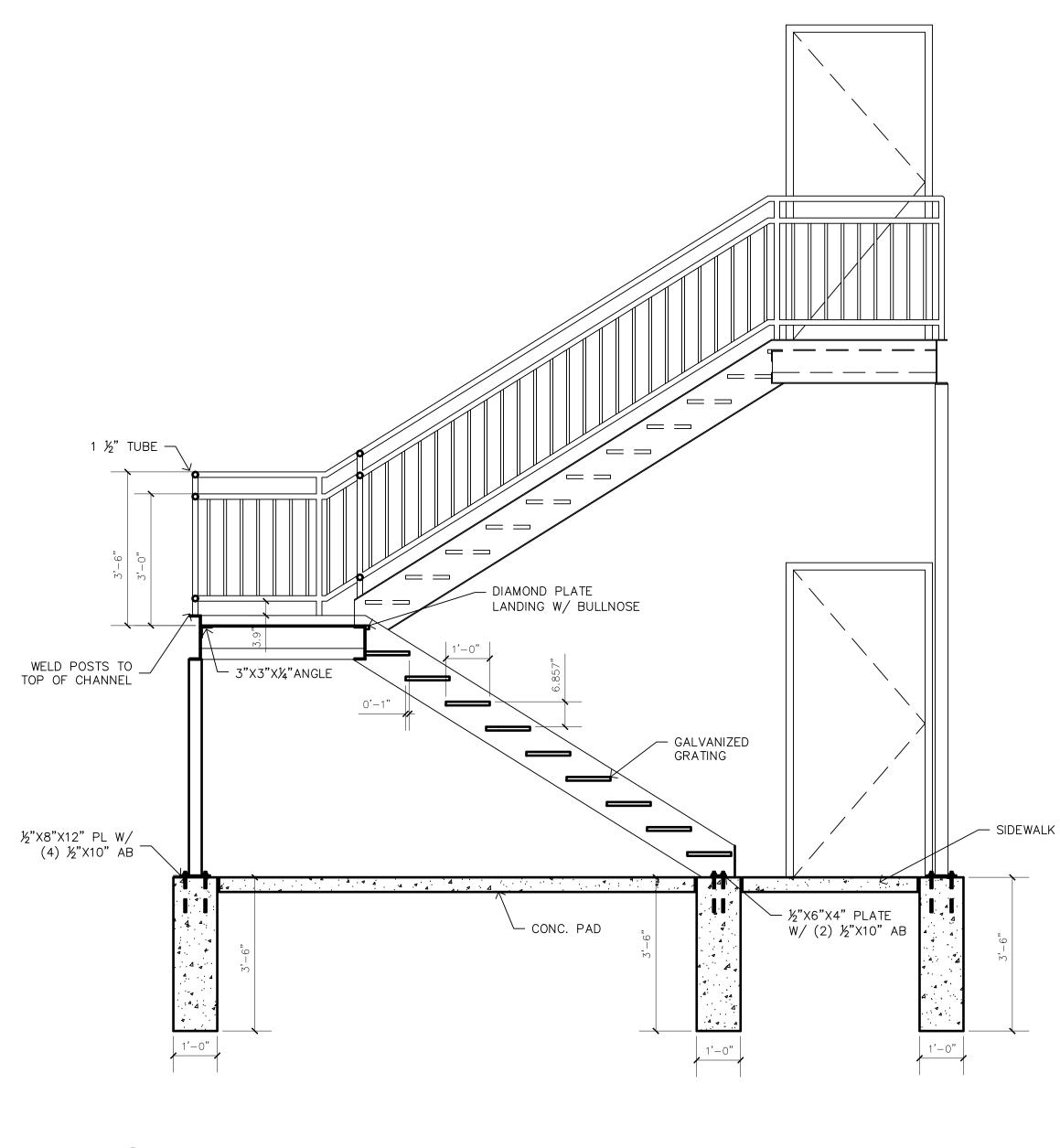
SPECIAL INSPECTIONS





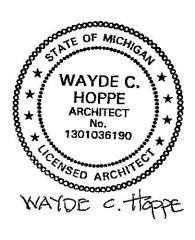
	MANUFACTURER	MODEL	STYLE	FINISH	COLOR	POWER	STANDARDS/ RESPONSIBILITY	COMMENT S	CUDMITTAL
	:	1		DIVISK	ON 6	:	i i i i i i i i i i i i i i i i i i i	1	
WOOD BASE				CUSTOM		N/A	AWI/ AM	BIRCH AT STAIN LOCATIONS, POPLAR AT PAINTED LOCATIONS: FINISH TO BE EITHER CONVERSION VARNISH OR POST-CATALIZED LACQUER	
CABINET HARDWARE	KNAPE AND VOGT							STEEL SLIDES, BALL BEARING NYLON ROLLERS WITH 100 LB LOAD	
CLOSET ROD/SHELF TREPLACE: MANTLE	CLOSETMAID SEE DRAWING	MAPLE		FACTORY		N/A N/A		FINISH TO BE EITHER CONVERSION VARNISH OR POST-CATALIZED LACQUER	
IREPLACE: SURROUND	ASHLAR FLAG STONE TILE	NY BLUESTONE		•		N/A			
FIREPLACE: HEARTH	ASHLAR FLAG STONE	SELECT NY BLUESTONE SELECT	1" THICKNES S			N/A		SINGLE SLAB CUIT TO SHAPE	
		SELECT	<u>э</u>	DIVISK	ON 7				
									t
IN SULATION, FIBERGLASS, WALL	OWENS CORNING		R-21	N/A	N/A	N/A	HH-I-S21; ASTM C665; FLAME SPREAD OF 25 MAX; ASTN E84		
INSULATION, FIBERGLASS, SOUND ATTENUATION	USG	THERMAFIBE R	3' MIN	N/A	N/A	N/A	HH-I-521E; ASTM C665; FLAME SPREAD OF 25 MAX;		
INSULATION, FIBERGLASS, CEILING	OWENS CORNING		R-38	N/A	N/A	N/A		PROVIDE STYROFOAM VENT BAFFLES	
NSULATION, RIGID, PERIMETER	STYROFOAM		2" RIGID X 24"	N/A	N/A	N/A			
SEALANT, EXTERIOR	THIOKAL CHEMICAL	POLYSULFID				N/A	TT-C 598 USIAA116.1 CLASS	1 PART POLYMERIZED RUBBER COMPOUND TWO COMPONENT POLYSULFIDE W/	
EALANT, EXTERIOR		E	LATEX			N/A	B; TT-S227B	BACKER ROD: NON-SAGGING 100% LIQUID POLYMER: NON-	
ENT FLASHING	CORP AZTEC WASHER CO.			FACTORY	and the second second	N/A	NRCA	SAGGIN <mark>G</mark> MATCH ROOF COLOR	
					SHINGLES				
	l		1	DIVISIO	N 10	1			
REPLACE	SUPERIOR		BYOWNER	BY OWNER				OUTSIDE AIR KIT, SCREEN PANELS, TWIN PANE CERAMIC GLASS DOORS, FORCED AIR FAN KIT, GAS SUPPLIES, REMOTE CONTROL, DIRECT VENTZERO CLEARANCE CHIMNEY; INSULATE CHIMNEY	
FOILET PAPER DISP PAPER TOWEL	BOBRICK	B2888 B-369				N/A N/A		LOCATE IN ALL BATHROOMS	
DISPENSER/ DISPOSAL									
SANITARY DISPOSAL SOAP DISPENSER	BOBRICK BOBRICK	270 2112		*	· �	N/A N/A		ONE PER EACH STALL ONE PER LAV	
HOWER SEAT	BOBRICK	5181			CHROME	N/A			
TILT MIRROR RAMED MIRROR HANDRAIL HARDWARE	BOBRICK BOBRICK	293 290			CHROME	N/A N/A N/A		16" X 30" AT EACH BF RESTROOM 24" X 36"	
GRAB BARS	BOBRICK	6206.99X52			CHROME	N/A		PROVIDE 2 X6 WOOD BLOCKING BEHIND GRAPBARS	
IREEXTINGUISHER	J.L. INDUSTRIES	3A: 40B	2 1/2 GAL	N/A	N/A	N/A			
	:		:	DIVISIO	N 11				
DISHWASHER		BYOWNER	BYOWNER	BY OWNER	BYOWNER				
MCROWAVE REFRIGERATOR		BYOWNER BYOWNER	÷	BY OWNER BY OWNER	BYOWNER BYOWNER	15A		DEDICATED CIRCUIT ICE MAKER, WATER DISPENSER, WATER SUPPLY	
SAR BAGE DISPOSAL	ISE	PRO 333	N/A.	N/A	N/A	1 HP, 120/1/80			
	<u>!</u>			DIVISIO	N 12	!			
CABINETS- BREAK	MASTERPIECE	BYOWNER	BY OWNER	FACTORY	BYOWNER	N/A	AWI 400/ KC <mark>MA; AMI</mark>	PROVIDE HARDWARE, DRAWERS, DMDERS AND ADJUSTABLE SHELVES : FULL OVERLAY	
	MASTERPIECE	205 PULLS		FACTORY	SATIN CHROME	N/A			
CABINET HARDWARE- BREAK ROOM CABINETS- BATHROOM	MASTERPIECE	BYOWNER	BY OWNER	FACTORY	BYOWNER	N/A	AW1 400/ KC MA; AMI	PROVIDE HARDWARE, DRAWERS, DMDERS AND ADJUSTABLE	
BREAK ROOM CABINETS- BATHROOM	MASTER PIECE		BY OWNER			N/A N/A	AW1 400/ KCMA; AMI		

VERIFY ALL DIMENSIONS IN FIELD



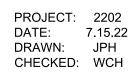




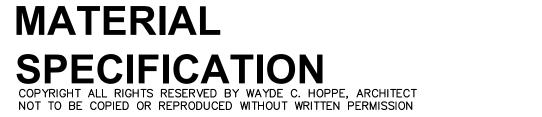




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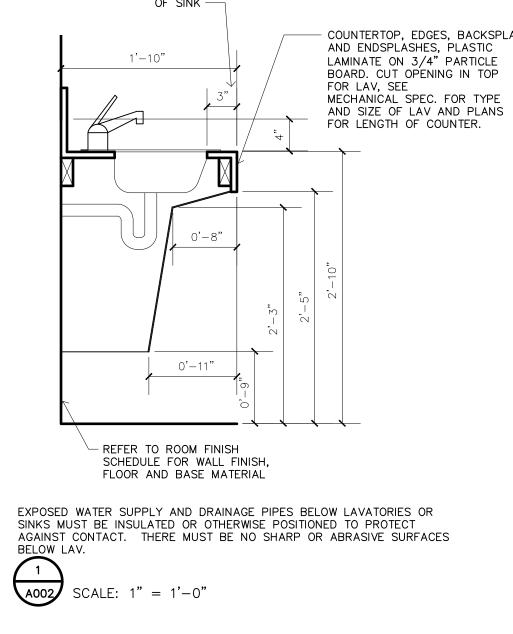


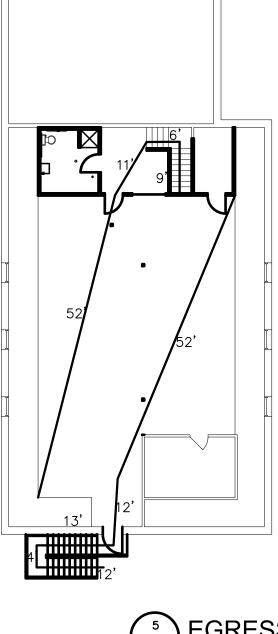


	APPLICABLE CODES		
	BUILDING	2015 MICHIGAN REHABILITATION CODE	
		FOR EXISTING BUILDINGS	
	ACCESSIBILITY	2009 ICC/ANSI A117.1 - ACCESSIBLE AND	
		USABLE BUILDINGS AND FACILITIES	
	ENERGY CODE	2010 AMERICANS WITH DISABILITIES ACT	
	MECHANICAL	ASHRAE 90.1 2013; IECC 2015 2015 INTERNATIONAL MECHANICAL CODE	
	PLUMBING	2015 INTERNATIONAL PLUMBING CODE	
	ELECTRICAL	2017 NFPA 70 NATIONAL ELE CTRICAL CODE	
SECTION #	CHAPTER 1		
107.3. <mark>4</mark>	REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE		WAYDE HOPPE
107.3.4.1	THE FOLLOWING ITEMS ARE DEFERRED		
	SUBMITTALS. DESIGN OF THESE ITEMS WILL BE SUBMITTED AFTER THE AWARD OF		
	CONTRACT		
SECTION #	CHAPTER 3		
304.1	USE AND OCCUPANCY CLASSIF OCCUPANCY CLASSIFICATION		
504.1	GROUP CLASSIFICATION	GROUP B	
	USE CLASSIFICATION	PROFESSIONAL SERVICES	VETERINA RIAN SERVICES
304. <mark>1</mark>		BUSINESS GROUP B	
	GROUP CLASSIFICATION USE CLASSIFICATION	TRAINING AND SKILL DEVELOPMENT	DANCE STUDIO
SECTION #	CHAPTER 5	REQUIRED	PROVIDED
	BUILDING AREA		
	TYPE IIIB CONSTRUCTION TYPE	TABULAR ALLOWABLE AREA PER FLR	
TABLE 506.2	BASIC TABULAR AREA FOR USE GROUP B WITHOUT SPRINKLER SYSTEM (NS)	19,000 SF	5,100 SF FIRST FLOOR: 2018 SF SECOND FLOOR: ALL FLOORS < 19,000
	nondene skanster i njevr - na konservanjevru i 1955. U tel se vijet se osobolje Martina Ko		SF
SECTION #	CHAPTER 6	REQUIRED	PROVIDED
	BUILDING CONSTRUCTION TYP CONSTRUCTION TYPE	E IIIB	IIB
TABLE 601	FIRE RESISTANCE RATINGS		
TABLE 601 TABLE 601	STRUCTURAL FRAME EXTERIOR BEARING WALLS	0 HOURS 2 HOURS	0 HOURS 2 HOURS
TABLE 601	INTERIOR BEARING WALLS	0 HOURS	0 HOURS
TABLE 601 TABLE 601	EXTERIOR NON-BEARING WALLS/PARTITIONS	0 HOURS 0 HOURS	0 HOURS 0 HOURS
TABLE 601	FLOOR CONSTRUCTION	0 HOURS	0 HOURS
TABLE 601 TABLE 602	ROOF CONSTRUCTION EXTERIOR WALL FIRE RATING	0 HOURS 0 HOURS	0 HOURS 0 HOURS
SECTION #	CHAPTER 7	REQUIRED	PROVIDED
SECTION #	FIRE AND SMOKE PROTECTION		PROVIDED
	FIRE-RESISTANCE RATED CONSTRUCTION		
SECTION 705.8.1	EXTERIOR WALL OPENINGS		UNLIMITED PER EXCEPTION 1
EXCEPTION 2 TABLE 706.4	FIRE WALL RATING		NOT APPLICABLE
TABLE 707.3.10	FIRE BARRIER RATING		NOT A PPLICABLE
SECTION 707.3.1 SECTION 708	SHAFT ENCLOSURES FIRE PARTITIONS		NOT APPLICABLE
SECTION 709	SMOKE BARRIERS		NOT A PPLICABLE
SECTION 710	SMOKE PARTITIONS	DEGUNDED	NOT A PPLICABLE
SECTION #	INTERIOR FINISHES	REQUIRED	PROVIDED
	OCCUPANCY	B BUSINESS	B BUSINESS
		CLASS A (0-25 FLAME SPREAD INDEX: 0-	
	EXIT ENCLOSURES/ PASSAGEWAYS	450 SM OKE DEVELOPED INDEX)	0-450 SMOKE DEVELOPED INDEX)
	CORRIDORS	CLASS B (25-75 FLAME SPREAD INDEX: .450 SMOKE DEV ELOPED INDEX)	CLASS B (25-75 FLAME SPREAD INDEX: .450 SMOKE DEVELOPED
	ROOM S AND ENCLOSED SPACES	CLASS C (76-200 FLAME SPREAD INDEX:	CLASS C (76-200 FLAME SPREAD
SECTION #	CHAPTER 9	.450 SMOKE DEVELOPED INDEX) REQUIRED	INDEX: .450 SMOKE DEVELOPED PROVIDED
SECTION #	FIRE PROTECTION SYSTEMS	REQUIRED	PROVIDED
	GROUP B BUSINESS	NON REQUIRED	NONE PROVIDED
SEC TION 907.2.1	FIRE ALARM AND DETECTION SYSTEM	NOT REQUIRED	NOT PROVIDED
SECTION 906.1	FIRE EXTINGUISHERS	REQUIRED	PROVIDED
SECTION #	OCCUPANT LOAD	REQUIRED	PROVIDED
	EXISTING BUILDING AREA FIRST FLOOR		
TABLE 1004.1.1	BUSINESS EXERCISE	100 (GROSS) 50 (GROSS)	679 / 100 = 7 2243 / 50 = 45
TABLE 1004.1.1	UNCONCENTRATED (TABLES AND CHAIRS)	15 (NET)	1206 / 15 = 81
TABLE 1004.1.1	MECHANICAL/ ACCESSORY STORAGE TOTAL FIRST FLOOR	300 (GROSS)	283/ 300 = 1 135
	EXISTING BUILDING AREA SECOND FLOOR		
TABLE 1004.1.1 TABLE 1004.1.1	EXERCISE MECHANICAL/ ACCESSORY STORAGE	50 (GROSS) SECOND FLOOR 300 (GROSS)	1598 / 50 = 32 598 / 300 = 2
	TOTAL SECOND FLOOR		34
	MEANS OF EGRESS		
	B BUSINESS		
	STAIRWAYS OTHER EGRESS COMPONENTS: .2"/PERSON	NA 165 PEOPLE X.2"/PERSON = 33 INCHES	N/A 108 INCHES
ABLE 1017.2	TRAVEL DISTANCE B NON SPRINKLED	200'	107 FIRST FLOOR: 92 SECOND FLOOR
SECTION 1020.2 TABLE 1020.1	CORRIDOR WIDTH CORRIDOR RATING B NON SPRINKLED	44 INCHES (MIN.) 1 HOUR	NOT A PPLICABLE NOT A PPLICABLE
TABLE 1006.2.1	SPACES WITH ONE EXIT EGRESS (SECOND	MAX OCC LOAD = 49: OCC LOAD < OR	SECOND FLOOR OCC LOAD = 34:
	FLOOR)	EQUAL TO 30 THEN TRAVEL DISTANCE = 100' MAX	TRAVEL DISTANCE IS 92': TWO EXIT ACCESS REQUIRED
ABLE 1006.3.1	NUMBER OF EXITS	1 MIN	3 PROVIDED
SECTION #	CHAPTER 11	REQUIRED	PROVIDED
SECTION 1104.4 EXCEPTION 1	ACCESSIBILITY AN ACCESSIBLE ROUTE IS NOT REQUIRED TO STORIES < 3000 SF	NO ELEVATOR REQUIRED	NO ELEVATOR PROVIDED
SECTION #	MICHIGAN PLUMBING CODE	REQUIRED	PROVIDED
	B BUSINESS		
	WATER CLOSETS	1:25 FOR FIRST 50, THEN 1:50 FOR THE REMAINDER	50/25 = 2: 135-50 = 85: 85/50 = 2: 2 + 2 = 3 REQUIRED: 4 PROVIDED
		1:40 FOR FIRST 50, THEN 1:80 FOR	50/40 = 2: 135-50=85: 85/80 = 2: 2 + 2 = 4
	LAVATORIES	REMAINDER	REQUIRED: 4 PROVIDED.
	DRINKING FOUNTAIN	1/100	165/100 = 2 REQUIRED: 2 PROVIDED

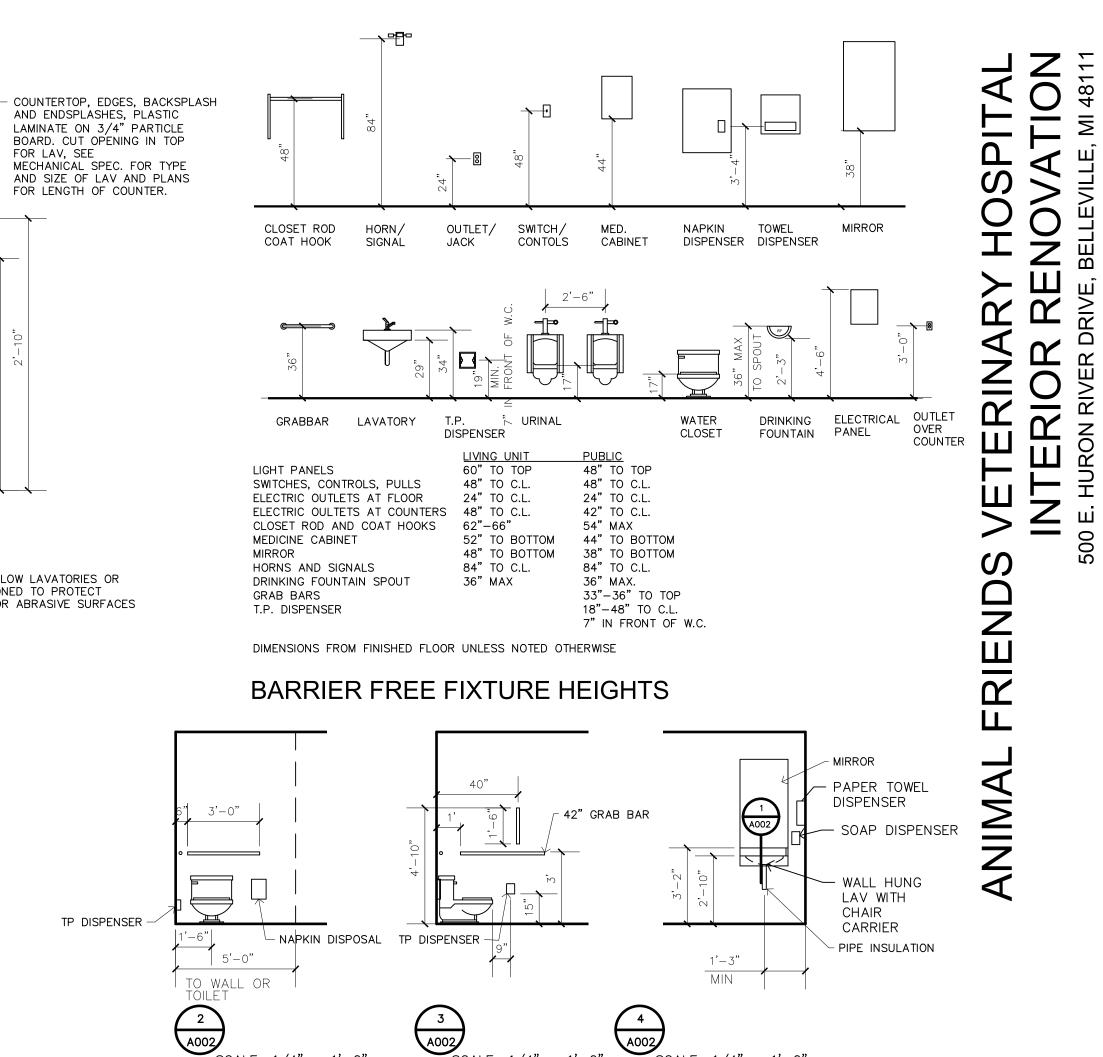
	MICHIGAN REHABILITATION CODE FOR EXISTING		
SECTION #	BUILDINGS	REQUIRED	PROVIDED
SECTION #	CHAPTER 4	REQUIRED	PROVIDED
	WORK AREA METHOD		
403	ALTERATIONS SHALL COM PLY WITH THE MBC		SEE MBC REVIEW ABOVE
410.1	WHEN THERE IS A CHANGE IN USE GROUP OR OCCUPANCY LOAD THEN CHANGES MUST BE ACCESSIBLE		
SECTION #	CHAPTER 7	REQUIRED	PROVIDED
	ALTERATIONS LEVEL 1		
SECTION #	CHAPTER 8	REQUIRED	PROVIDED
	ALTERATIONS LEVEL 2		ALTERATION IS LESS THAN 50% OF THE BUILDING AREA (1894/5100 = 37%)
803.2.1	OPENING ENCLOSURE EXCEPTIONS		
	1. WHERE NO ENCLOSURE OF VERTICAL		
	OPENINGS IS REQUIRED BY THE MBC		
	4. A 30 MIN ENCLOSURE IS TO BE PROVIDED		
	TO PROTECT ALL VERTICAL OPENINGS LESS		
- Tellor follolor orange	THAN OR EQUAL TO THREE STORIES		
803.4	MEET THE INTERIOR FINISH REQUIREMENTS OF THE MBC		PROVIDED
803.5	GUARDS TO BE PROVIDED PER THE MBC		
804.4	FIRE ALARM	NOT REQUIRED	NOT PROVIDED
805.3	THE NUMBER OF EXITS IS TO BE DETERMINED BY THE OCCUPANT LOAD PER THE MBC		PROVIDED
805.4.4	IF OCCUPANT LOAD IS GREATER THAN 100 OR WHERE WORK AREA IS GREATER THAN 50% OF THE FLOOR AREA PROVIDE PANIC HARDWARE		
805.6	DEAD ENDS LIMITED TO 35		NONE PROVIDED
805.8	EXIT SIGNS		PROVIDED
805.9	HANDRAILS		PROVIDED
805.11	GUARDS PER THE MBC		PROVIDED
806.1	COMPLY WITH ACCESSIBILITY OF 410		
410.3	ACCESSIBLITY GREATER THAN WHAT IS REQUIRED FOR NEW CONSTRUCTION IS NOT REQUIRED		NO ELEVATOR PROVIDED
410.6, EXCEPTION	ACCESSIBLE MEANS OF EGRESS NOT		
2	REQUIRED IN AN EXISTING BUILDING		

3" MAX MEASURED FROM FRONT OF COUNTER TO DROP-OFF POINT OF SINK -----



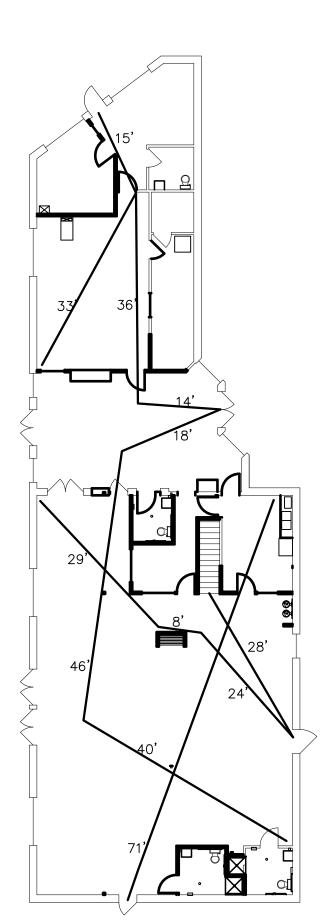


TOTAL AREA FIRST FLOOR 5100 SF SECOND FLOOR 2018 SF



A002

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



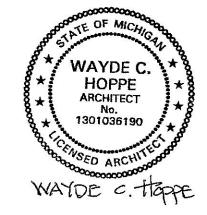
SCALE: 1/4" = 1'-0"

A002

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





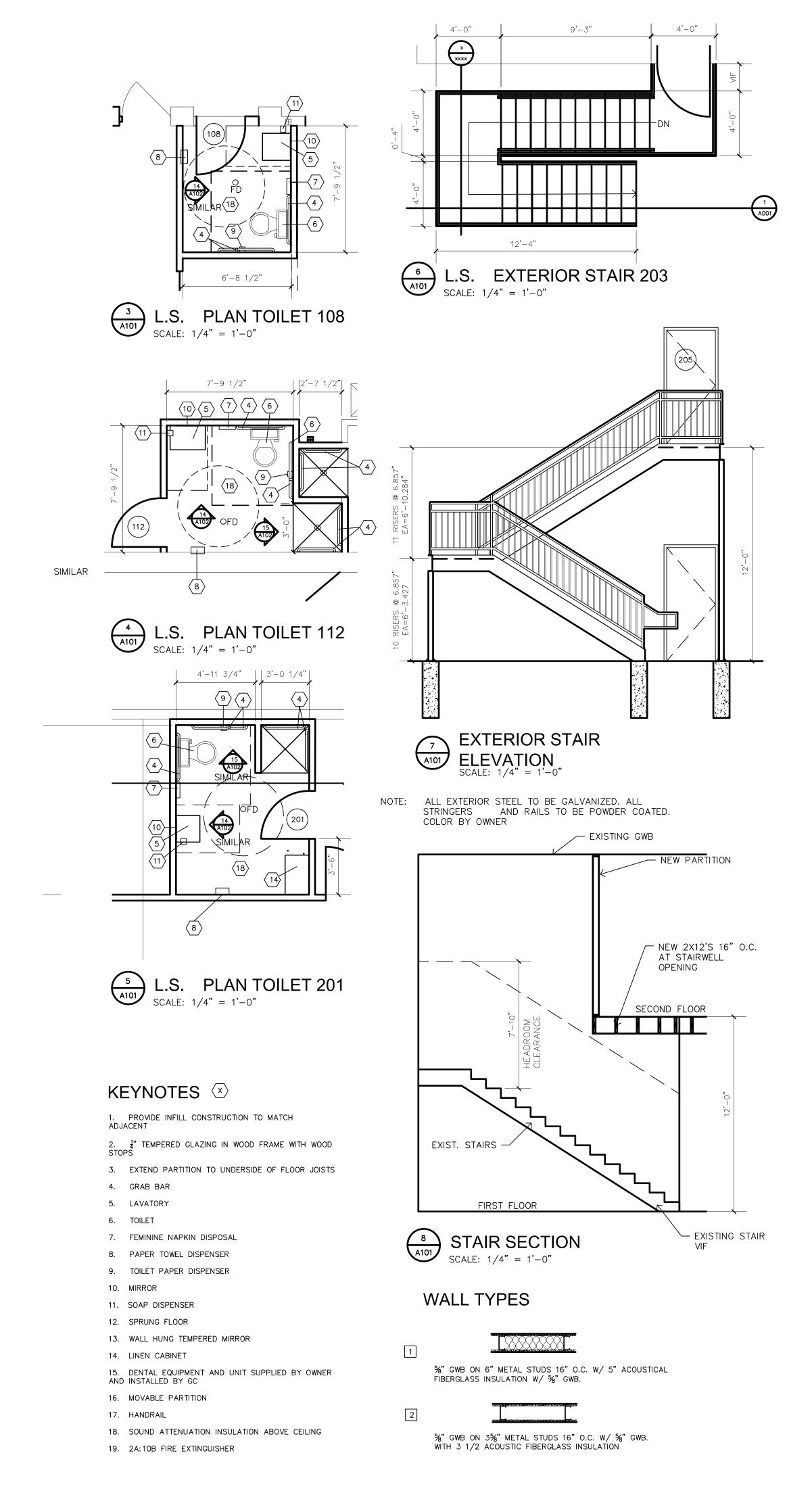


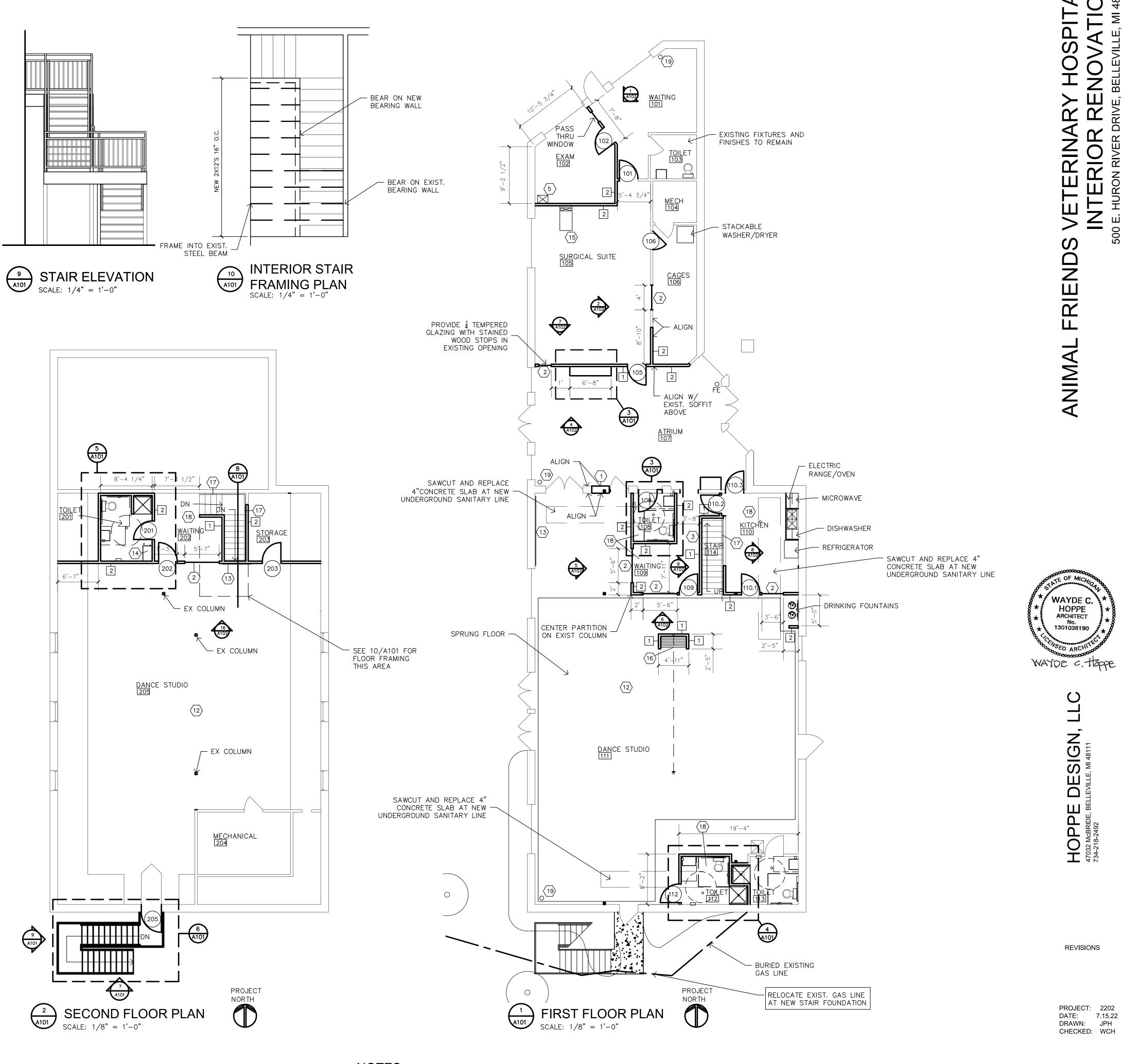


REVISIONS

PROJECT: 2202 DATE: 7.15.22 DRAWN: JPH CHECKED: WCH







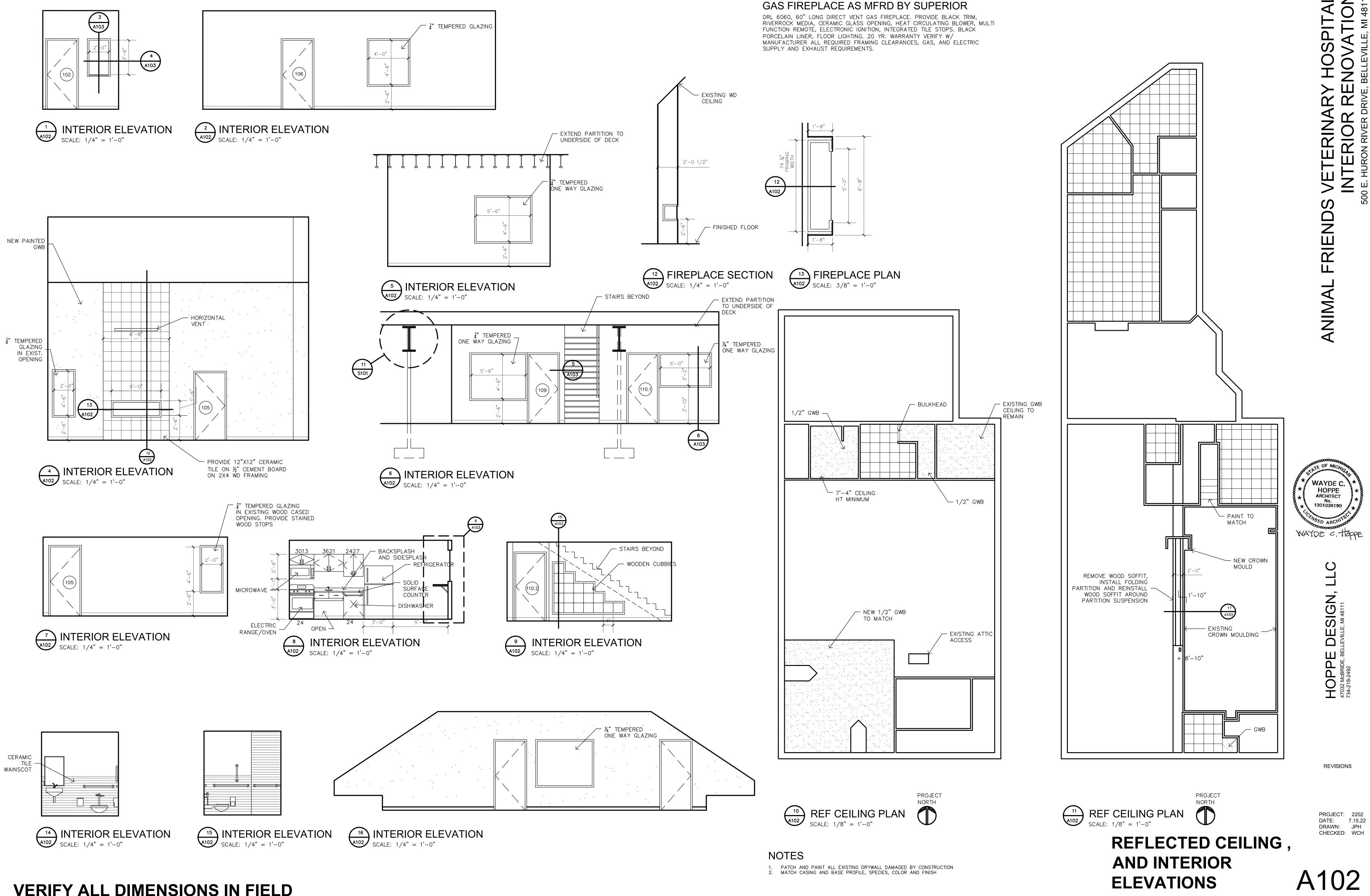
NOTES

PROVIDE FINISHED FLOOR FINISH TO MATCH EXISTING ADJACENT FLOORING IN AREAS OF NEW CONCRETE SLAB DETERMINE LOCATION OF UNDERGROUND SANITARY IN FIELD DETERMINE EXACT LOCATION OF BURIED GAS LINE PRIOR TO EXCAVATION DOOR THRESHOLDS TO BE RAISED TO ACCOMMODATE SPRUNG FLOOR SPRUNG FLOOR TO BE PROPRIETARY PRODUCT SELECTED BY OWNER. PROVIDE UNIT PRICE IN PROPOSAL

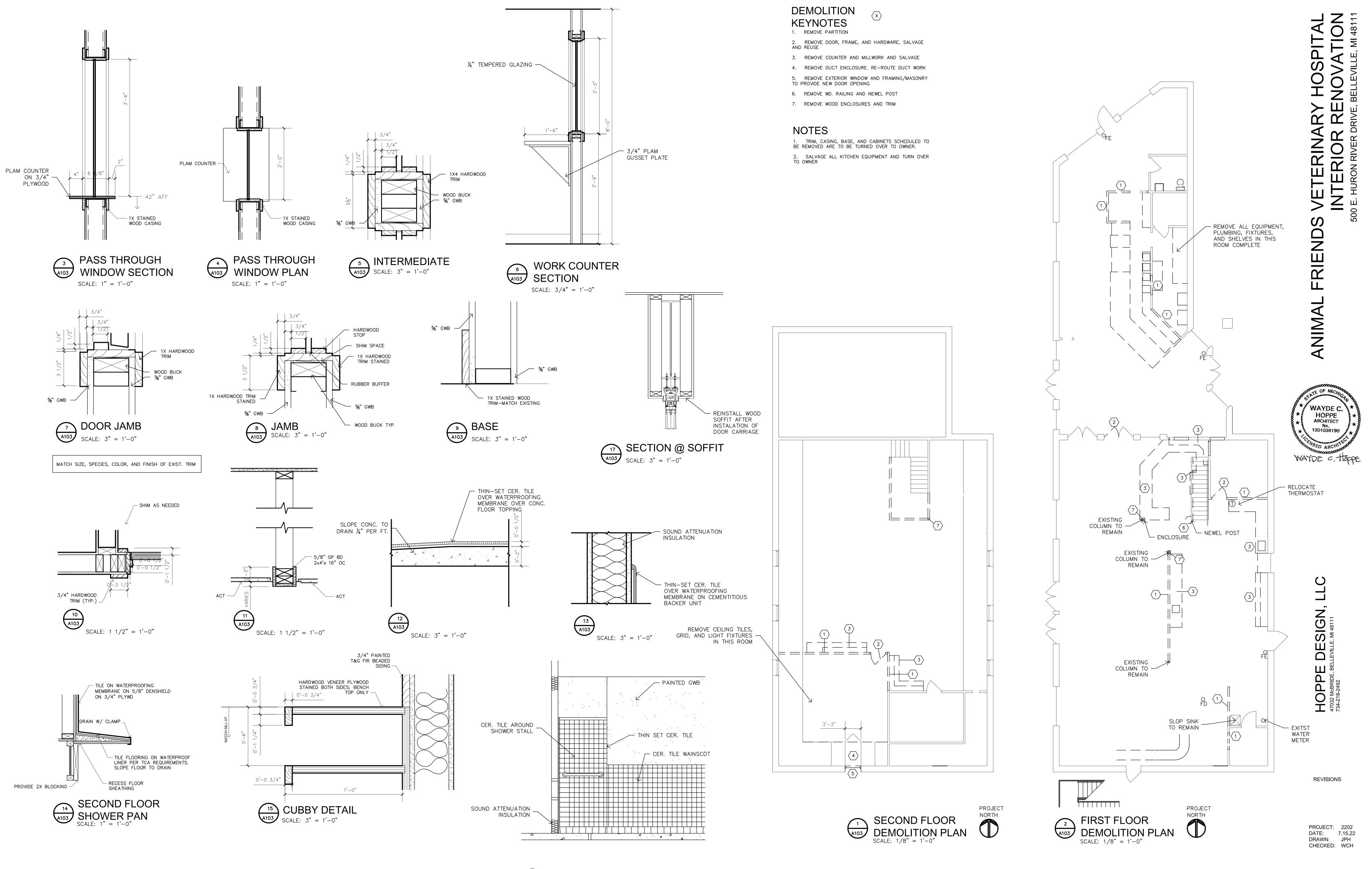
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FLOOR PLAN

A101











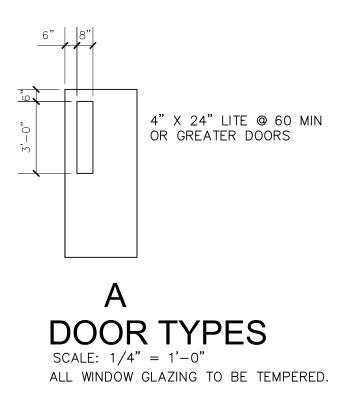
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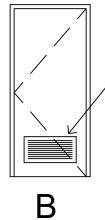
DEMOLITION PLAN

				THE A DOC OF			RESPON SIBL TY	
		PC, SCL,	CLEAR	DIVISION FACTORY	8	N⊮A		ARCHITECTURAL STAN GRA
WOOD		OR STV SQLID	CHERRY	FINISHED				CHERRY, PLAIN SLICED: CO MATCH CABINETS
DOOR: IN TERIOR METAL	STEELCRAFT	CONVERCIAL GRADE	18 GA	FACTORY FINISHED	BYOWNER	NA		16 GAUGE STEEL FRAMES Y WELDED CORNERS AND FR REINFORCEMENT. ALL JOIN WELDED AND GROUND SM(
								THREEFRAME ANCHORSM JAM B; RUBBER BUMPERS
	STEELCRAFT, THERMA				BYOWNER	N/A		18 GASTIFF ENERS 6" OC; O
		INSULATIO N	STEEL	GALVANZED A TEXTERIOR				ROLLED; PREFABRICATED B FRAME AND TRIM; 16 GAUGE FRAMES WITH WELDED COR AND FRAME REINFORCEMEN JOINTS WELDED AND GROU SMOOTH. THREE FRAME AN
HARDWARE: Security	AD AMS RITE	4590/4591	BOLT		US26D SATIN CHROME			MIN. PER JAMB LATCH PADDLE
HARDWARE:LOCK		EXT D 53PD RH0 626			US26D SATN CHROME			PROVIDE CONSTRUCTION OF
HARDWARE: OFFICE	SCHLAGE	ND SERIES	ATHENS	LIFETIME	US26D SATN	N/A		OCCUPANCY
HARD WARE:	SCHLAGE	ND SERIES	LEVER	LIFETIME	CHROME US26D SATIN	NITA .		
PASSAGE			LEVER		CHROME	N/A		
HARDWARE: STORAGE	SCHLAGE	ND SERIES	ATHENS LEVER	LIFETIME	US26D SATN CHROME	NłA		
HARDWARE: EN TRY	SCHLAGE	ND SERIES	ATHENS	LIFETIME	U S26D SATIN	N/A		ENTRYLOCK, DEADBOLT,
HARDWARE: EXIT	VON DUPRIN	9927L X	LEVER	US28D		N∕A		DEAD BOLT ESCUTCHEON PANIC HARD WARE
HARDWARE:	LCN	9921.06	<u> </u>	ALUM	CHROME BYOWNER	N/A	<u> </u>	KEY VALVES FOR BACKCHE
CLOSER HARDWARE: HINGES	HAGER	BB1279NRP	4 1/2 X 4		US26D SATIN	NA		SPEED AND LATCHING CONCEALED BALL BEARING
		AND A DECK	1/2		CHROME			EXTERIOR DOORSUSE NON REMOVEABLE PINS: LOCKAS THE FULL OPEN POSITION: ; WITH SEXBOLTS
	NATIONAL GUARD	513 ALUM	<u> </u>		BYOWNER	N/A		ADA
THRESHOLD HARDWARE:	NATIONAL GUARD	601A			BYOWNER	N/A		
HARDWARE:WALL			WALL		US26D SATIN			PROVIDE2 X10 WOOD BLOO
		190V	MOUNTED	N∕A	CHROME BYOWNER	N/A		
WEATHER STRIPPING HARDWARE: STRIKE	LOCKSET PROVIDER	EXTENDED	MATCH	MATCH	BYOWNER	NA		EXTENDED STRIKE PLATE A
WNDOWGLAZING		SOLAR BAN	acu 941	ane 10.545.1	a sources	N/A	SIGMA; IGC; ASTM	JAVIB SEALED; LOW E; IN SULATED
SAFETY GLAZING	10050	60 BRONZE TEMPERED					E774 CLASS B AN SI 297.1	GAS
				DIVI SID N	9			
GYPSUM BOARD	USGYPSUM		5/81	PRIME AND	EVOUNIED	NA		GLUE AND SCREW: 114" S
	USGYPSUM			PAINT				LENG TH MIN
GYPSUM GREENBOARD	USGTPSUM		5/8'	PANT		N/A		GLUE AND SCREW: PROVID BEHIND WALL TILE
GYPSUM EXTERIOR	USGYPSUM		5/81	PRIME AND PAINT	BYOWNER	N∦A		GLUE AND SCREW
GYPSUM CEMENT BOARD	USGYPSUM		5/81		BYOWNER	N⊮A		GLUE AND SCREW
CARPET TILE		03164	2 X 2	FAINT				POURED ON PAD, MOISTUR
	LLCIDUPONT							BARRIER, DIRECT GLUEWI COMMERCIALON LOW VOC ADHESIVE; SOLUTION DYED LIFETIME WARRANTY ON FIE
CARPET AD HESIVE	TANDUS US LL CIDU PON T	C-EX						MOISTURE CONTENT TESTI PRIOR TO CARPET INSTALL
								36 FLOOR PRIMER PRIOR TO ADHERING CARPETING
VINYL FLOOR TILE	ARMSTRONG	EXCELON	12" X 12": COMPOSITI		BYOWNER	N/A		
RUBBER STAR	ROPPE	#92	ONI		BYOWNER	NA		STAIR TREAD RUBBER ADH
TREAD		SQUARE NOSE LOW PROFILE RAISED CIRCULAR DESIGN						EPO XY NO SING ADHESIVE
LAMINATEWOOD	PERGO OR EQUAL				EASTLAKEOAK	N⊮A		
FLOORING LAY-IN CELING TILE	USG	CLIMAPLUS	24" X 24"X	MILLENNIA	WHITE	N/A	ASTM E1374: ASSTM	SQ EDGE: NRC .5565: STC
LAY-IN CELING GRID	ARMSTRONG, DONN	MARS PRELUDE	3/4" DX-DXL-24			N/A	E84 ASTM C635	FLAME SPREAD 0-25 16 GA, 1 1/2" MAIN CHANNEL
TILE WALL	DALTILE	XL 15/16"	1/4" THICK	GLAZED		N/A	SUSPENSION ANSI 137.1	PROVIDEEDGE MOULDING, AND ACOUSTIC SEALANT LATEX THIN SET ADHESNE
CONT						101 P		ONE PIECE INSIDE/OUTSIDE CORNERS
	POLYBLEND, LATICRETE					N/A		LATEX GROUT
TILE FLOOR	DALTILE		ABRASNE	UNGLAZED: 2 CO ATS SEALER		N/A	ANSI 137.1	LATEX THIN SET ADHESIVE; N TEGRIAL COVE BASE; PAT FACE AND CUSHIONED EDG
	POLYBLEND					N∕A		LATEXGROUT
	RADIUSCAP 2' X6' LATICRETE			ļ		N/A N/A		LATEX AD HESIVE
		63	4"			N/A		COVEAT VCT AND STRAIGH
	Sherwin Williams, Benjamn Moore		LATEX EN AVIEL	EGG SHELL		WA		CARPET LATEXDRYWALL PRIMER. S BLOCKING PRIMER ON STAI TWO COATS LOW LUSTER L ESGSHELL
	Sher win Williams	PRO MAR	latex Enamel	STAIN		NA		ONE COAT STAIN, ONE COAT VARNISH, ONE COAT SATIN SAND LIGHTLY BETWEEN C
		ļ		 		N⊮A		THOROUGH LY CLEAN AND
STAIN-WOOD INTERIOR PAINT-ZINC COATED METAL	DEVOE							POWDERYOXIDE, GALVANIZ METAL PRIMER, TWO COATS
INTERIOR PAINT-ZINC COATED	DEVOE				BYOWNER	NA		

																			ROO	DM	FINIS	SHS	CHE	EDUL	E									
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	3'-0'' X 6'-8'' X 1 3/4''	v (2) 2'-6'' X 6'-8'' X 1 3/4''	ω <mark>2'-8'' X 6'-8'' X 1 3/4''</mark>	_		on (∠) 3 -0 ∧ 5 -8 ∧ 1 3/4	ТҮРЕ	MODEL	WOOD STAINED	WOOD PAINTED			_		- WOOD STAINED	WOOD PAINTED				5		JAMB	HEAD	SILL	DOOP AND ERAME FIRE PATING										PASSAGE	PRIVACY	STOREROOM	OFFICE	ADAMS RITE	VONDILPRIN	1 1/2 PAIR	2 PAIR	3 PAIR: SFI F CLOSING	CN 4011 H TRWMS PIILL VERIEV	HANDING	LCN 4111_H_TBWMS PUSH VERIFY	HANDING	12" BRONZE	18" BRONZE	WALL BALDWIN 4045	FLOOR BALDWIN 4510	PUSH PLATE IVES 8200 3" X 12"		DEADBOLT	THRESHOLD	BI-FOLD	SYLINDER	WEATHERSTRIPPING	POCKET	
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- AIR TRANSFER

GRILLE

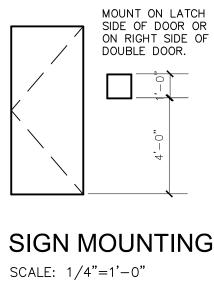
VERIFY ALL DIMENSIONS IN FIELD

1. ALL HARDWARE @ ALUM DOORS BY ALUM DOOR SUPPLIER. HARDWARE BASED ON "KAWNEER"; MFG TO SUPPLY CYLINDER. ALUM DOOR HARDWARE SHALL MATCH DOOR FINISH. ALUM DOORS AND DOOR FRAMES SHALL BE KAWNEER "HEAVY WALL" OR EQUAL, 0.188" WALL THICKNESS.

4. ALUM DOORS AND FRAMES SHALL BE GLAZED WITH TEMPERED GLASS. EXTERIOR DOORS AND FRAMES SHALL BE 1" INSULATED GLASS. 5. ALL HM OR WOOD DOORS AND FRAMES SHALL BE GLAZED WITH TEMPERED GLASS, EXCEPT FIRE RATED DOORS AND FRAMES.

6. FIRE RATED DOORS AND FRAMES SHALL BE GLAZED WITH LABELED FIRE/SAFETY RATED GLASS TO MATCH FIRE RATING AND AS FOLLÓWS: 20 & 45 MIN - 1296 SQ IN MAX GLASS SIZE. 60 & 90 MIN - 100 SQ IN MAX GLASS SIZE.

7. FIRE RATED DOORS TO HAVE STEEL BALL BEARING HINGES. 8. WOOD DOORS TO BE 134" THICK.



HINGE SIDE APPROACH

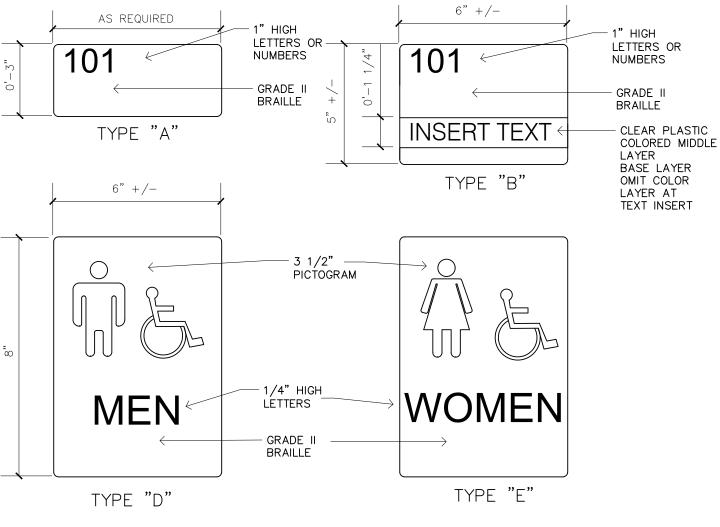
SCALE: 1/4"=1'-0"

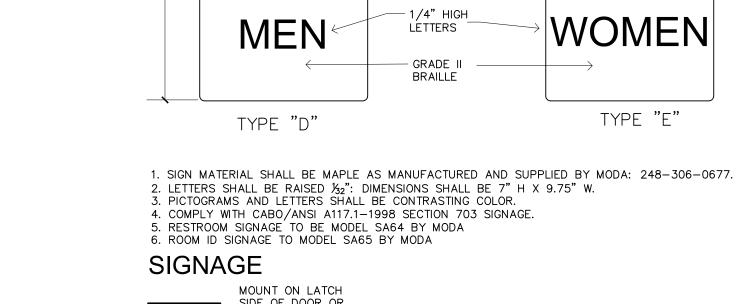


SEE SCHED 2"

С

NOTES 1. PROVIDE DENS SHIELD BOARD BEHIND ALL TILE APPLICATIONS. 2. PROVIDE WATER RESISTANT GREEN BOARD AT ALL BATHROOM APPLICATIONS.

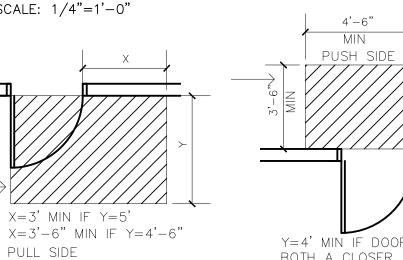


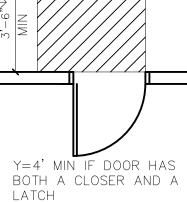


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SIGN MOUNTING LOCATION

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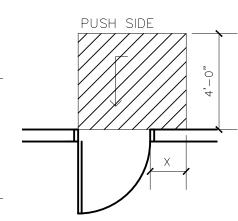




- SIGN LOCATION

HINGE SIDE APPROACH

PULL SIDE



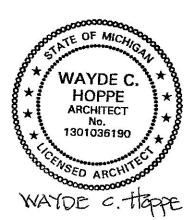
FRONT APPROACH

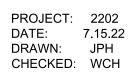
FRONT APPROACH

BARRIER FREE DOOR APPROACH



SINGLE	DOORS		PAIRS (OF DOORS
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RH]	DR D	
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RHRB	LHRB LEFT HAND		RIGHT HAND REVERSE BEVEL	DLHR LEFT HAND REVERSE BEVEL
BEVEL	REVERSE BEVEL		ACTIVE	ACTIVE





REVISIONS



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		CHECK VALVE	EXCEED 6' MAXIMUM LENGTH.			
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SUPPORT 1.5" WIDE SHEET METAL STRAP WITH HEMMED EDGES, SUPPORT FROM STRUCTURE						
1.5" WIDE SHEET METAL STRAP WITH HEMMED EDGES, SUPPORT FROM STRUCTURE						
WITH HEMMED EDGES, SUPPORT FROM STRUCTURE			SUPPORT			
WITH HEMMED EDGES, SUPPORT FROM STRUCTURE				- 1.5" WIDE SHEET METAL STRAP		
				WITH HEMMED EDGES, SUPPORT FROM STRUCTURE		

CORE.

- TWO WRAPS OF DUCT TAPE AND DRAWBAND OR METAL

SCREW CLAMP AROUND DUCT

45 DEGREE CHANGE IN DIRECTION _ SHOWN ON PLANS

MITERED ELBOW WITH TURNING VANES -

45 DEGREE BRANCH DUCT FITTING

VERIFY ALL DIMENSIONS IN FIELD

FLEX DUCT

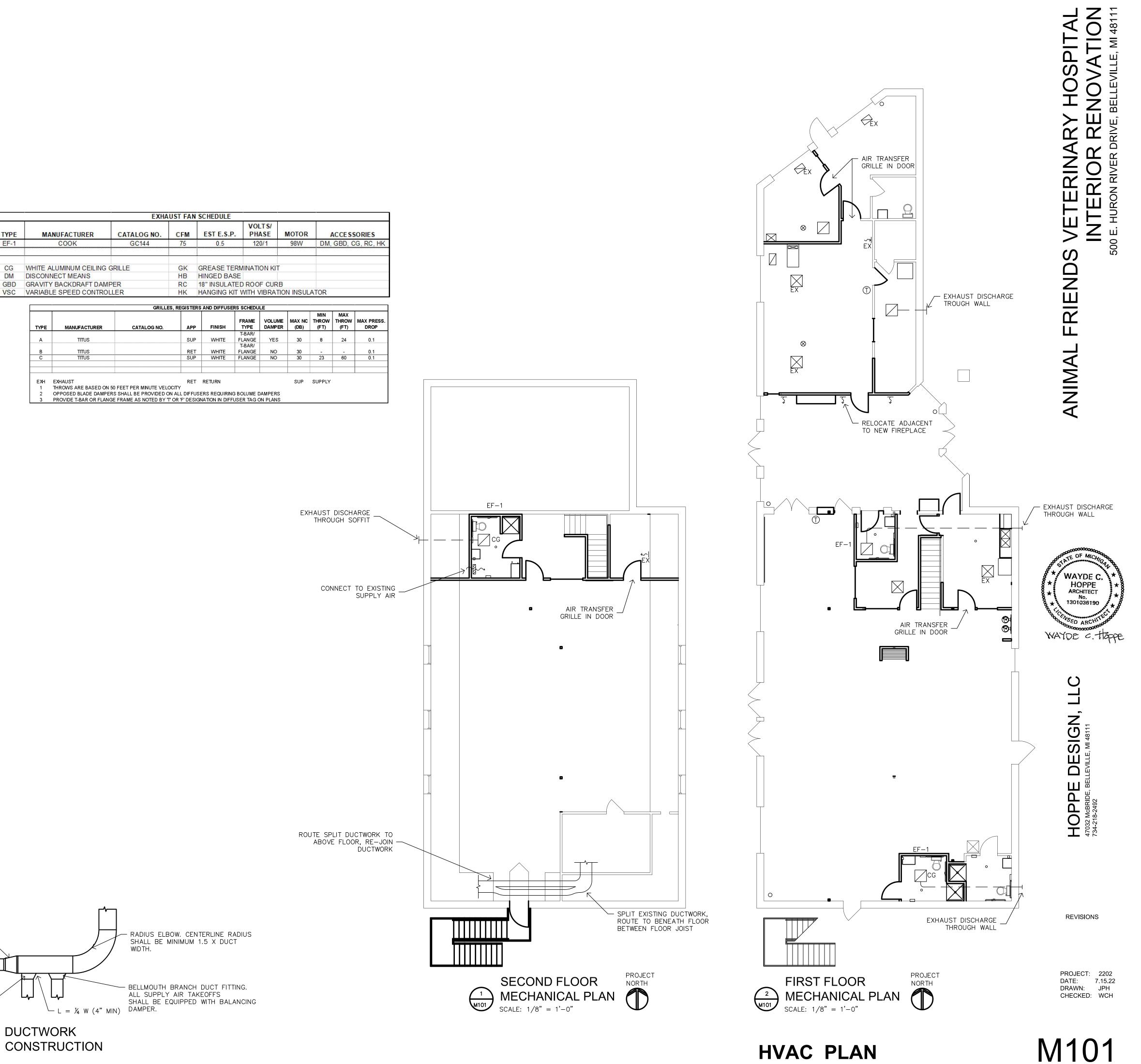
INSTALLTION

MAXIMUM DUCT LENGTH SHALL

EXTENSION DUCT COLLAR —

TWO WRAPS OF DUCT TAPE AND DRAWBAND OR METAL SCREW CLAMP AROUND DUCT CORE.

BE 6'-0"



		LIG	HT FIXTUR	RE SCHEDULE		
TYPE	MANUFACTURER	CATOLOG NUMBER	LAMPS	NO-WATTS	MOUNTED	REMARKS
A	BY OWNER	SELECTION BY OWNER	LED		PENDANT	3500K 80 CRI
В	LITHONIA	EPANL 2X2 3400LMHE 80CRI 35K MIN1	LED		SUSPENDED, LAY IN, SURFACE	POLYCARBONATE LENS
С	LITHONIA	MDP BNP (SHADE SELECTION BY OWNER)	LED		132" PENDANT	3500K 80 CRI
D	SHIPLIGHTS	H-12 MILK, BRASS, INTERIOR, NAUTICAL	LED		SCONCE	8' MOUNTING HEIGHT
E	JUNO	R600L NFL BL TLENS4 NFLD	LED		TRACK	35K
F	LITHONIA	LDN6 35 L06 WR LD MVOLT	LED		RECESSED	
EM	SURE LIGHTS	APEL	LED		WALL/CEILING	
XEM	SURE LIGHTS	APCH7R W/ APWR REMOTE HEAD	LED		WALL/CEILING	

VERIFY FIXTURE SELECTIONS WITH OWNER

CEILING FAN TO BE SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR

LEGEND

S _D	SWITCH ON RHEOSTAT
S	THREE WAY SWITCH
S _₽	SWITCH WITH PILOT

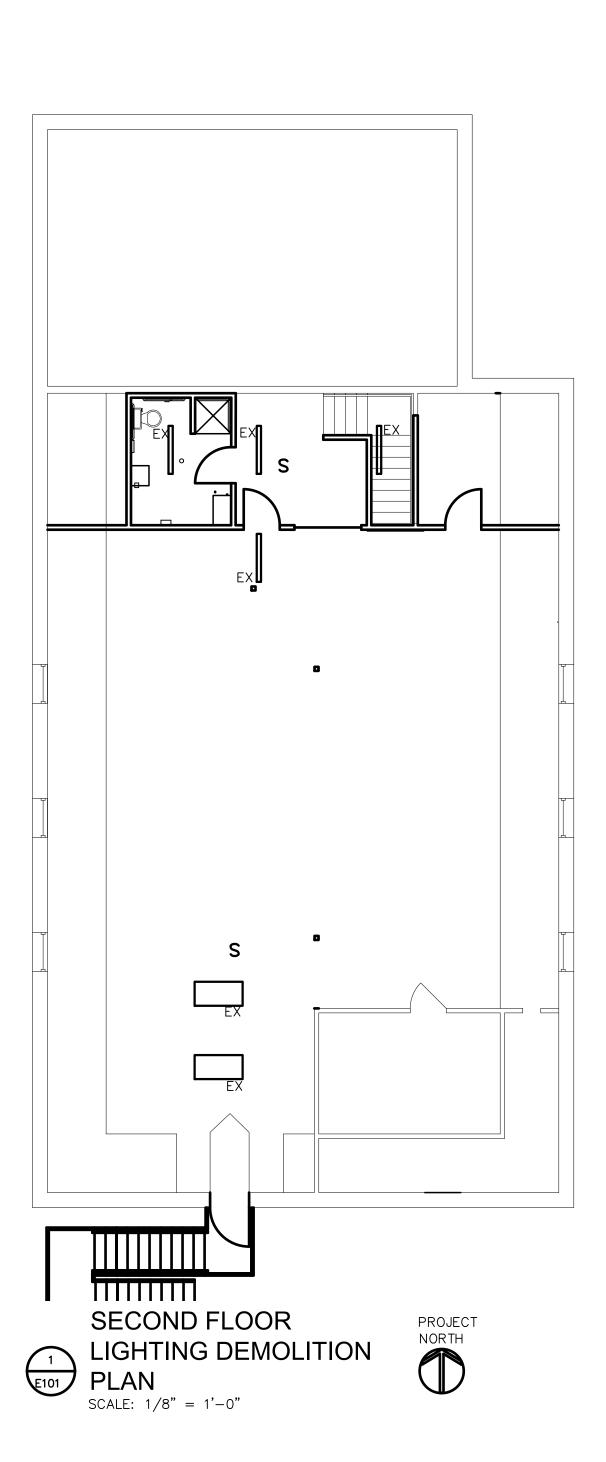
- SWITCH
- SPECIAL OUTLET
- DUPLEX OUTLET
- QUAD OUTLET
- ← WEATHERPROOF OUTLET
- GROUND FAULT INTERUPTER
- ▼ TELEPHONE / COMPUTER
- 0 SMOKE DETECTOR
- Y TELEVISION / CABLE
- -O- CEILING MOUNTED LIGHT FIXTURE
- **-O**-CEILING MOUNTED LIGHT FIXTURE RECESSED
- <u>-</u>ଦ୍-WALL MOUNTED LIGHT FIXTURE

SCONCE

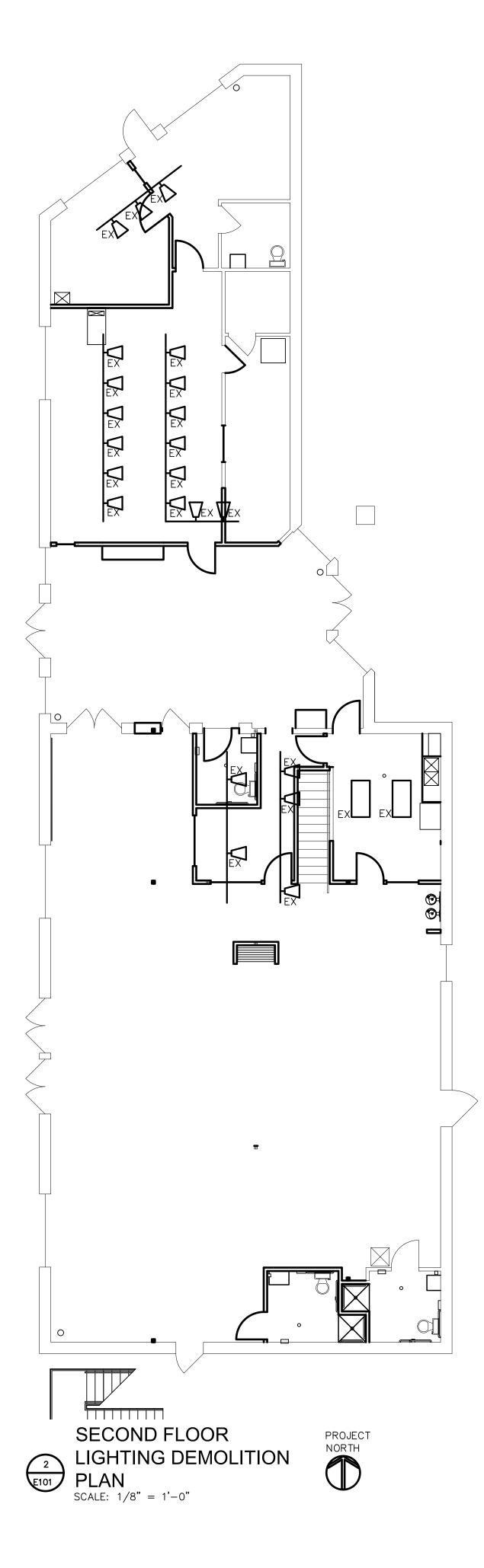
- **O** MOTOR, ONE PHASE
- GROUND MNTD
- EXT. LIGHTING
- 2x4 LAY IN LIGHT FIXTURE
- 1 X 4 LIGHT FIXTURE
- O PENDANT MOUNTED OVERSIZED FIXTURE
- EXIT SIGN
- EXIT SIGN/ EMERGENCY LIGHT
- FIRE ALARM PS PULL STATION
- HORN/ STROBE
- COMPUTER JACK
- RATE OF RISE HEAT DETECTOR
- DISCONNECT SWITCH
- DISCONNECT SWITCH WITH FUSE
- AUDIO JUNCTION BOX-PRE-WIRE PER DIRECTION OF OWNER

ELECTRICAL $\langle \bar{x} \rangle$

- **KEYNOTES**
- 1. OCCUPANCY SENSOR EQUAL TO WATTSTOPPER ST-200 2. EXHAUST FAN TO BE CONTROLLED WITH LIGHTS BY
- OCCUPANCY SENSOR. 3. INSTALL REMOTE EMERGENCY FIXTURE ABOVE DOOR.



VERIFY ALL DIMENSIONS IN FIELD



ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE N.E.C., COUNTY AND LOCAL CODES, ORDINANCES, AND REGULATIONS INCLUDING MIOSHA. 2. COORDINATE ALL UNDERGROUND WORK WITH NEW AND EXISTING UNDERGROUND UTILITES BEFORE

INSTALLATIONS. 3. THE SECONDARY UNDERGROUND CONDUIT AND WIRE SHALL MEET THE REQUIREMENTS OF THE ELECTRIC UTILITY COMPANY.

4. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A 1/4" DIA. POLYPROPYLENE FISH LINE. 5. ALL UNDERGROUND CONDUITS SHALL BE INSTALLED 24" MINIMUM BELOW GRADE (UNLESS OTHERWISE SHOWN ON PLAN).

6. ALL EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL, INSTALLED WITH WATERTIGHT CONDUIT FITTINGS. EXPANSION FITTINGS SHALL BE PROVIDED AT ALL TRANSITIONS FROM UNDERGROUND TO EXPOSED CONDUIT.

8. ALL THREADED ELECTRICAL EQUIPMENT (CONDUIT, FITTINGS, BOLTS, SCREWS, ETC.) INSTALLED AT EXTERIOR SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION. 9. ALL WEATHERPROOF (W.P.) DUPLEX RECEPTACLES SHALL BE INSTALLED SUCH THAT COVER DOORS

OPEN UPWARD. 10. HAND DIG WHERE REQUIRED TO LOCATE EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW UNDERGROUND CONDUITS FOR POWER AND LIGHTING.

11. PROVIDE A GREEN GROUND CONDUCTOR IN ALL SYSTEM CONDUITS, EXCEPT INSTRUMENT SIGNAL AND ALARM CONDUITS, INCLUDING BRANCH CIRCUIT CONDUITS FOR LIGHTING AND RECEPTACLES. GROUND CONDUCTOR SIZING SHALL BE PER N.E.C. TABLE 250.122 (MINIMUM) WHERE NOT SIZED ON THE DRAWINGS.

12. WIRE SIZE SHALL BE #12 (MINIMUM) AND CONDUIT SIZE SHALL BE 3/4" (MINIMUM) FOR ALL POWER AND LIGHTING CIRCUITS WHERE NOT SIZED ON THE DRAWINGS. 13. INSTALL SEPARATE GROUNDING CONDUCTOR TO ALL ISOLATED GROUND RECEPTACLES.

14. LOCATE JUNCTION BOXES PER MANUFACTURER'S REQUIREMENTS.

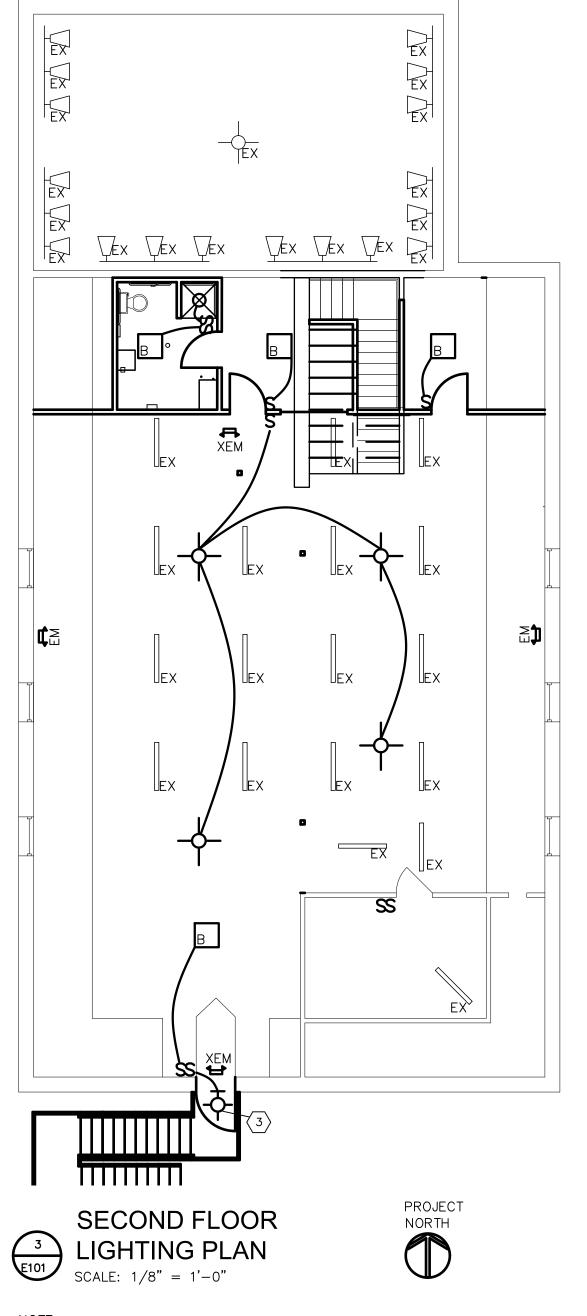
15. EXHAUST FANS TO BE PROVIDED WITH SPEED CONTROL LOCATED ABOVE THE CEILING. PROVIDE

A SWITCH WITH A PILOT LIGHT. 16. VERIFY LOCATION OF ALL POWER, PHONE, AND DATA JUNCTION BOXES WITH THE OWNER.

21. ELECTRICAL CONTRACTOR TO COMPLY WITH NEC SECTION 110-C(A) AND (B) AND ALL TERMINATION CODE REQUIREMENTS.

22. EC TO SIZE ALL WIRING, CIRCUITING, JB'S, BREAKERS, SUB PANELS, ETC., TO PROVIDE A COMPLETE SYSTEM. 23. ELECTRICAL DRAWINGS ARE SCHEMATIC ONLY. EC IS RESPONSIBLE TO DETERMINE THE FINAL

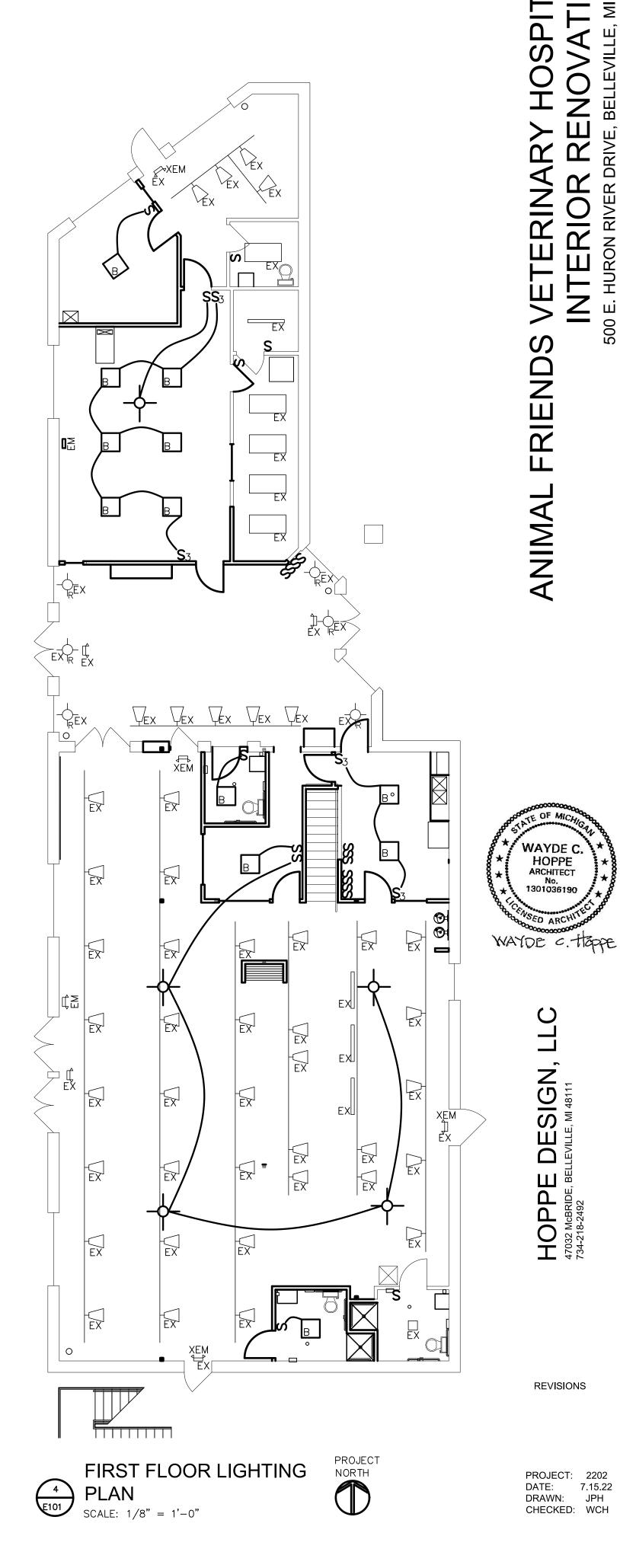
CONDUIT AND WIRING LAYOUT.



NOTE 1. ALL EXISTING AND NEW DUPLEX OUTLETS IN KITCHEN AND

TOILET ROOM TO BE ON GFI PROTECTED CIRCUIT. 2. VERIFY HEIGHT OF ALL TV AND SIGNAGE JUNCTION BOXES AND POWER WITH CLIENT

3. PROVIDE POWER TO EXHAUST FANS

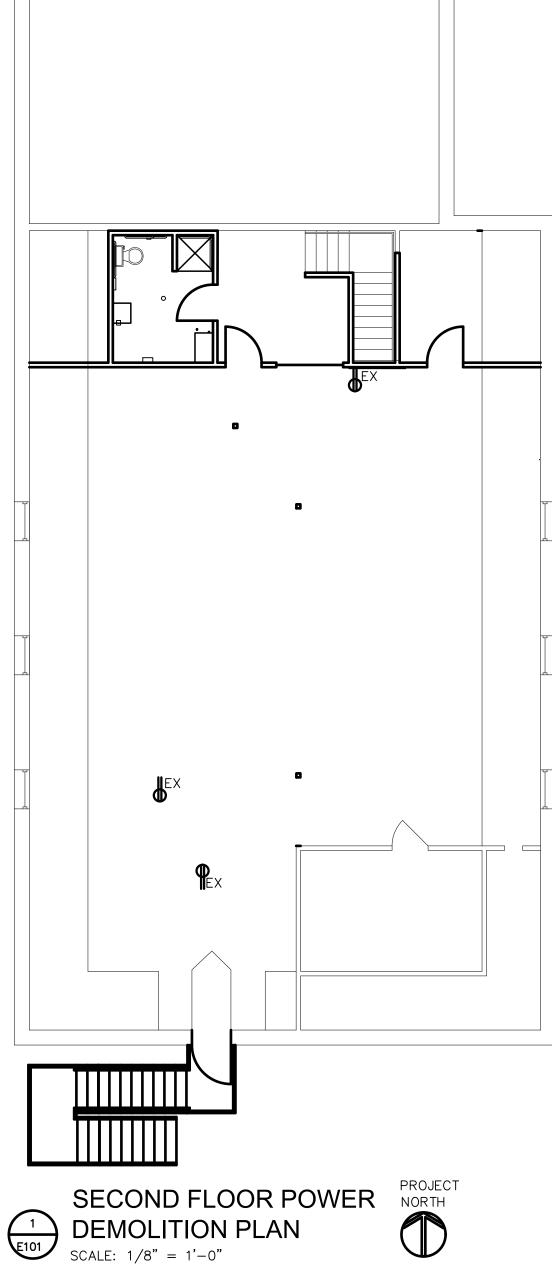




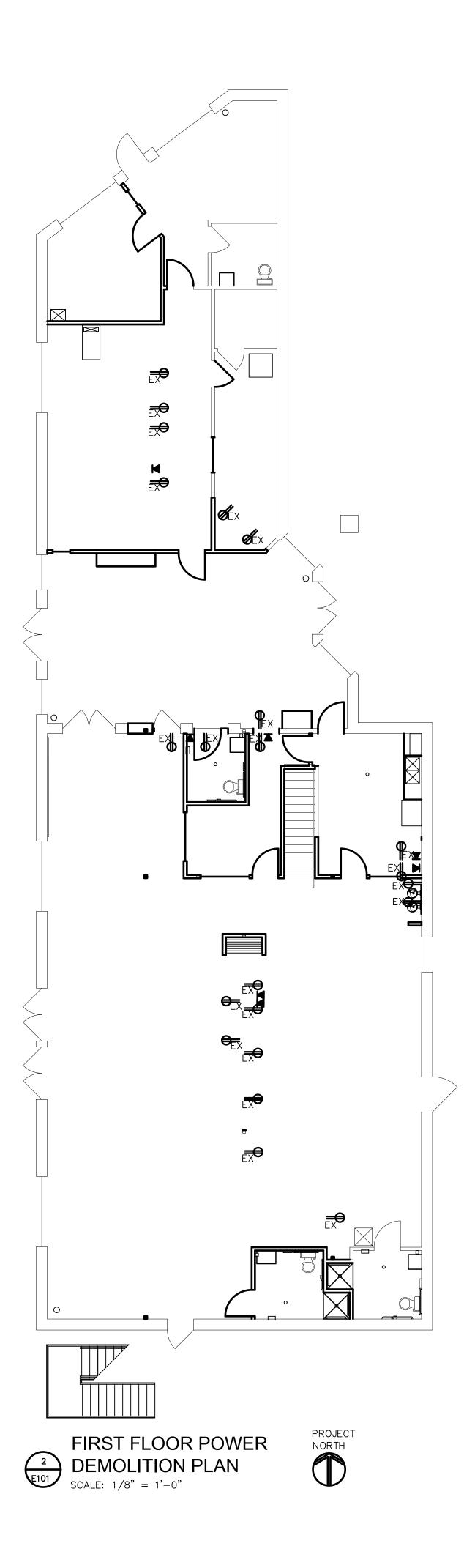
LIGHTING PLAN

VERIFY FIXTURE SELECTIONS WITH OWNER

LE	GEND					
S	SWITCH ON RHEOSTAT					
S	THREE WAY SWITCH					
S _P	SWITCH WITH PILOT					
S	SWITCH					
© =	SPECIAL OUTLET					
€=	DUPLEX OUTLET					
●=	QUAD OUTLET					
O WP	WEATHERPROOF OUTLET					
€=	GROUND FAULT INTERUPTER					
¥	TELEPHONE/ COMPUTER					
۲	SMOKE DETECTOR					
M	TELEVISION/ CABLE					
-ф-	CEILING MOUNTED LIGHT FIXTURE					
$-\mathbf{c}$	CEILING MOUNTED LIGHT FIXTURE RECESSED					
-\$-	WALL MOUNTED LIGHT FIXTURE					
	CEILING FAN/ LIGHT					
ا م	SCONCE					
Q	MOTOR, ONE PHASE					
Ą	GROUND MNTD EXT. LIGHTING					
	2×4 LAY IN LIGHT					
	JFIXTURE		₽		\	
0	PENDANT MOUNTED OVERSIZED FIXTURE			<u> </u>	<u> </u>	[
-	EXIT SIGN			o		
무	EXIT SIGN/ EMERGENCY LIGHT					
D PS	FIRE ALARM PULL STATION				c	
Ā	HORN/ STROBE					
	COMPUTER JACK					
٩	RATE OF RISE HEAT DETECTOR					
C	DISCONNECT SWITCH					
D	DISCONNECT SWITCH WITH FUSE					
۵	AUDIO JUNCTION BOX- PRE-WIRE PER DIRECTION					
	OF OWNER		d	EX D	E	3
ELF					T	
KEY	NOTES			P EX		
ST–	UPANCY SENSOR EQUAL TO WATTSTOPPER 200 AUST FAN TO BE CONTROLLED WITH LIGHTS					
BY 3. INS	OCCUPANCY SENSOR. TALL REMOTE EMERGENCY FIXTURE ABOVE					
DOC	DR.					



VERIFY ALL DIMENSIONS IN FIELD



ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE N.E.C., COUNTY AND LOCAL CODES, ORDINANCES, AND REGULATIONS INCLUDING MIOSHA.

2. COORDINATE ALL UNDERGROUND WORK WITH NEW AND EXISTING UNDERGROUND UTILITES BEFORE INSTALLATIONS.

3. THE SECONDARY UNDERGROUND CONDUIT AND WIRE SHALL MEET THE REQUIREMENTS OF THE ELECTRIC UTILITY COMPANY.

4. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A 1/4" DIA. POLYPROPYLENE FISH LINE.

5. ALL UNDERGROUND CONDUITS SHALL BE INSTALLED 24" MINIMUM BELOW GRADE (UNLESS OTHERWISE SHOWN ON PLAN).

6. ALL EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL, INSTALLED WITH WATERTIGHT CONDUIT FITTINGS. EXPANSION FITTINGS SHALL BE PROVIDED AT ALL TRANSITIONS FROM UNDERGROUND TO EXPOSED CONDUIT.

8. ALL THREADED ELECTRICAL EQUIPMENT (CONDUIT, FITTINGS, BOLTS, SCREWS, ETC.) INSTALLED AT EXTERIOR SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.

9. ALL WEATHERPROOF (W.P.) DUPLEX RECEPTACLES SHALL BE INSTALLED SUCH THAT COVER DOORS OPEN UPWARD.

10. HAND DIG WHERE REQUIRED TO LOCATE EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW UNDERGROUND CONDUITS FOR POWER AND LIGHTING. 11. PROVIDE A GREEN GROUND CONDUCTOR IN ALL SYSTEM CONDUITS, EXCEPT INSTRUMENT SIGNAL AND ALARM CONDUITS, INCLUDING BRANCH CIRCUIT CONDUITS FOR

LIGHTING AND RECEPTACLES. GROUND CONDUCTOR SIZING SHALL BE PER N.E.C. TABLE 250.122 (MINIMUM) WHERE NOT SIZED ON THE DRAWINGS.

12. WIRE SIZE SHALL BE #12 (MINIMUM) AND CONDUIT SIZE SHALL BE 3/4" (MINIMUM) FOR ALL POWER AND LIGHTING CIRCUITS WHERE NOT SIZED ON THE DRAWINGS. 13. INSTALL SEPARATE GROUNDING CONDUCTOR TO ALL ISOLATED GROUND RECEPTACLES.

14. LOCATE JUNCTION BOXES PER MANUFACTURER'S REQUIREMENTS.

THE FINAL CONDUIT AND WIRING LAYOUT.

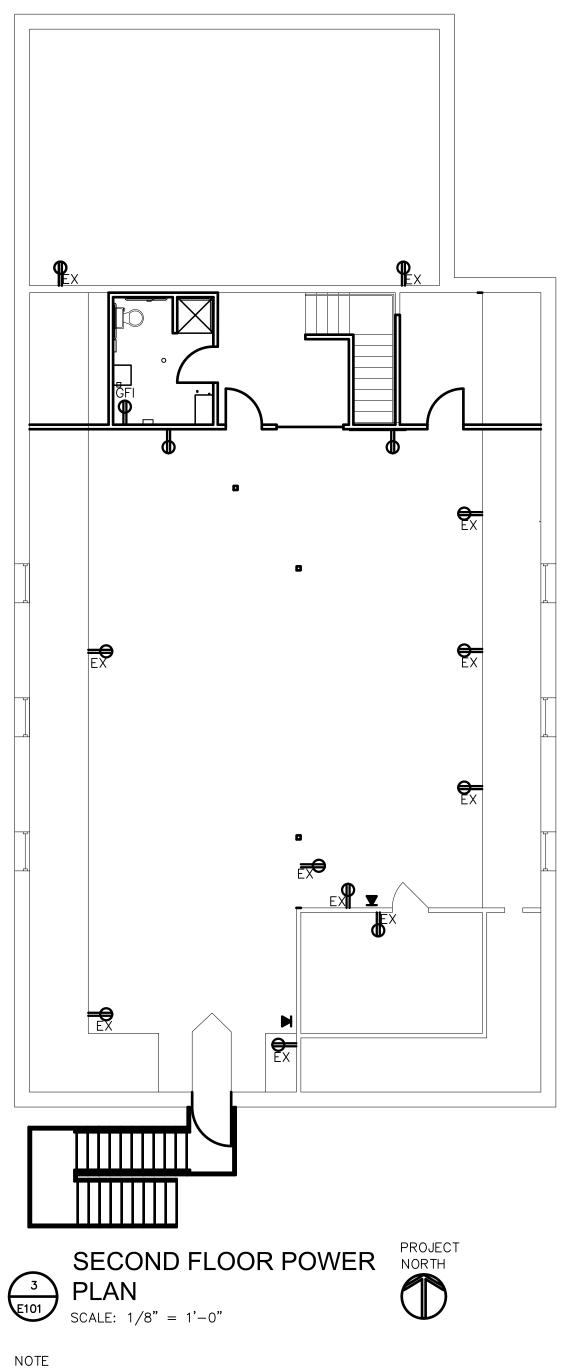
15. EXHAUST FANS TO BE PROVIDED WITH SPEED CONTROL LOCATED ABOVE THE CEILING. PROVIDE A SWITCH WITH A PILOT LIGHT.

16. VERIFY LOCATION OF ALL POWER, PHONE, AND DATA JUNCTION BOXES WITH THE OWNER.

21. ELECTRICAL CONTRACTOR TO COMPLY WITH NEC SECTION 110-C(A) AND (B) AND ALL TERMINATION CODE REQUIREMENTS.

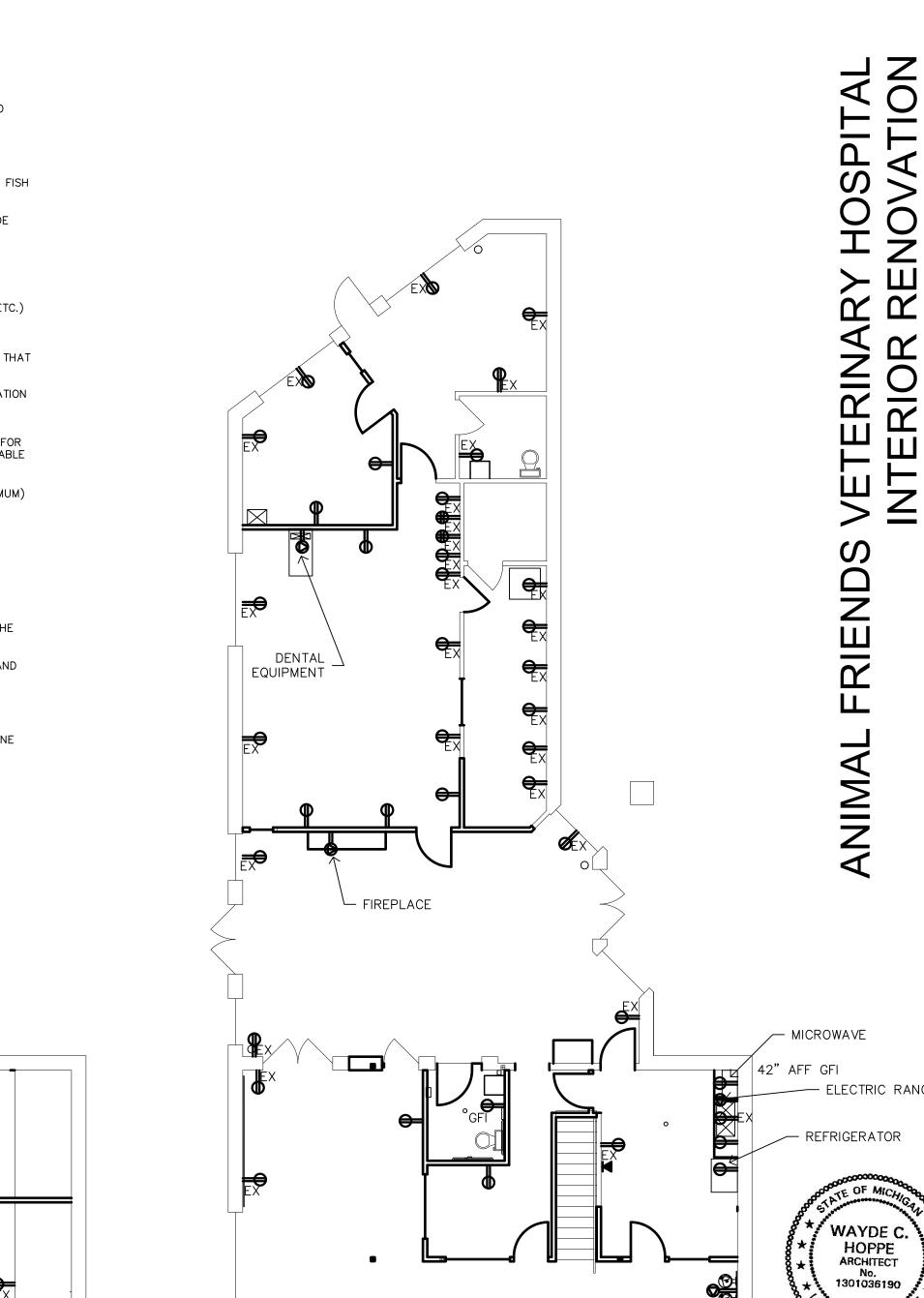
22. EC TO SIZE ALL WIRING, CIRCUITING, JB'S, BREAKERS, SUB PANELS, ETC., TO

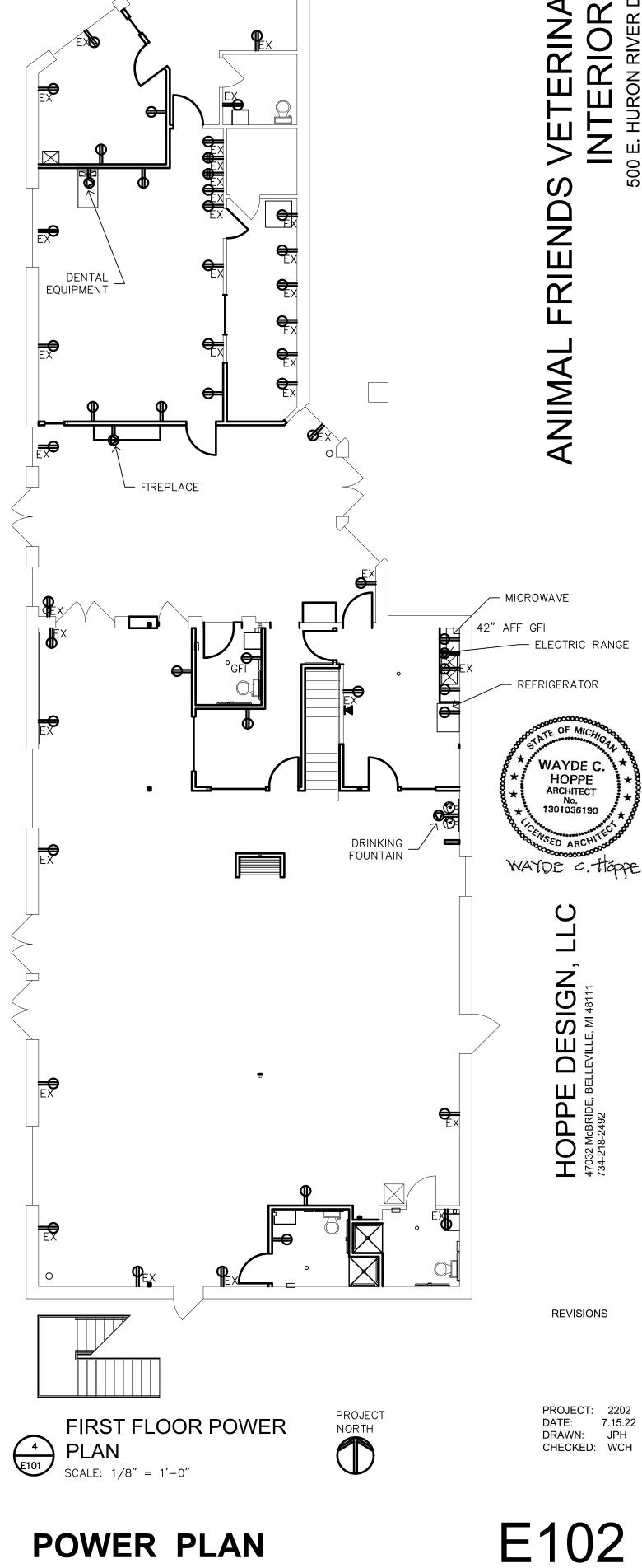
PROVIDE A COMPLETE SYSTEM. 23. ELECTRICAL DRAWINGS ARE SCHEMATIC ONLY. EC IS RESPONSIBLE TO DETERMINE



ALL EXISTING AND NEW DUPLEX OUTLETS TO BE ON GFI PROTECTED CIRCUIT.
 VERIFY HEIGHT OF ALL TV AND SIGNAGE JUNCTION BOXES AND

POWER WITH CLIENT 3. PROVIDE POWER TO RTU'S, ROOFTOP COOLER COMPRESSOR, AND EXHAUST FANS





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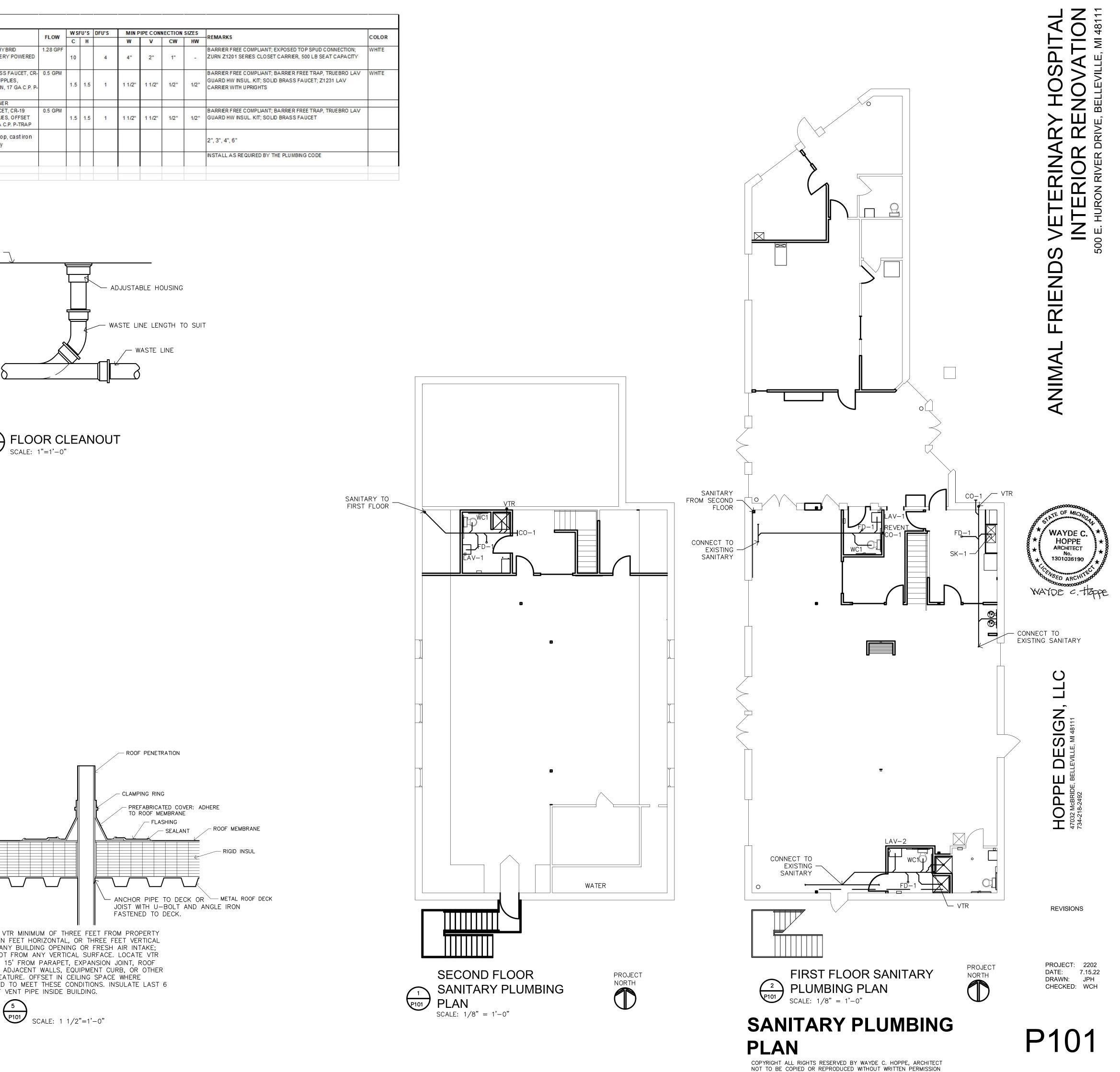
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LEGEND

			PLU									
	— \	GATE VALVE	TAG									
	—Þxx}—	GLOBE VALVE	WC1									
	<u> </u>	BALL VALVE	LAV-2									
		CHECK VALVE										
	—☆—	2-WAY CONTROL VALVE	FD-1 SK-1									
		3-WAY CONTROL VALVE	CO-1									
	&	LUBRICATED PLUG VALVE										
	{&} MS	WHA										
	k/	CIRCUIT SETTER										
-		PRESSURE REDUCING VALVE										
	<u>T</u> PT	PRESSURE TEMP. TEST PORT PRESSURE GAUGE THERMOMETER EXPANSION JOINT W/ GUIDES										
	?											
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	AV											
												
		PIPE FLEXIBLE CONNECTOR	R									
		CONN. TO EXIST.										
/		DUCT FLEXIBLE CONNECTO	R									
	$- \neg \neg$	EXIST. FIRE DAMPER NEW FIRE DAMPER EXIST. SMOKE DAMPER NEW SMOKE DAMPER EXIST. COMB. FIRE SMOKE DMPR										
	O											
MAR		NEW COMB. FIRE/SMOKE DMPR										
		SUPPLY DIFFUSER										
	\square	RETURN GRILLE										
		EXHAUST GRILLE										

TAG ITEM	MFR	R MODEL NAME AND DESCRIPTION F	FITTINGS	FLOW	WSF	0.2	DFU'S	MIN P	MIN PIPE CONNECTION SIZES		SIZES	REMARKS	COLOR
	MILK				C H			W	w v		HW	TREMARKS	
WATER CLOSET	KOHLER		the statement of the second statement and shares as shown in the statement of the second statement of the second	1.28 GPF						4=			WHITE
					10		4	4	2		-		
LAVATORY	KOHLER			0.5 GPM									WHITE
		WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVE	OFFSET GRID DRAIN, 17 GA C.P. P-		1.5	1.5	1	1 1/2"	1 1/2"	<mark>1/2</mark> "	<mark>1/2</mark> "	CARRIER WITH UPRIGHTS	
FLOOR DRAIN	ZURN	Z415	5" DIA. N.B. STRAINER					a a					+
SINK	ELKAY	LRAD291865	LKD2437BHC FAUCET, CR-19 STOPS AND SUPPLIES, OFFSET	0.5 GPM	1.5	1.5	1	1 1/2"	1 1/2"	1/2"	1/2"		
1			GRID DRAIN, 17 GA C.P. P-TRAP		10.00								
FLOOR CLEAN OUT	ZURN	ZN1400-3NH-5BZ1 cast iron cleanout with 5" round nickel bronze adjustable top up to 1-1/4 of vertical post pour adjustment, tilt correction	Nickel Bronze top, cast iron					u				2", 3", 4", 6"	
		shims and rough-in cover											
WATER HAMMER ARRESTOR	ZURN	1250	COPPER									INSTALL AS REQUIRED BY THE PLUMBING CODE	
1	FLOOR DRAIN SINK FLOOR CLEAN OUT	LAVATORY KOHLER FLOOR DRAIN ZURN SINK ELKAY FLOOR CLEAN OUT ZURN WATER HAMMER ZURN	BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE. LAVATORY KOHLER K-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVE FLOOR DRAIN ZURN Z415 SINK ELKAY LRAD291865 FLOOR CLEAN OUT ZURN ZN 1400-3NH-5BZ1 cast iron cleanout with 5" round nickel bronze adjustable top up to 1-1/4 of vertical post pour adjustment, tilt correction shims and rough-in cover WATER HAMMER ZURN 1250	BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE.TOUCHLESS BATTERY POWERED FLUSH VALVELAVATORYKOHLERK-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVEK-13460 TOUCHLESS FAUCET, CR- 19 STOPS, AND SUPPLIES, OFFSET GRID DRAIN, 17 GA C.P. P- TRAPFLOOR DRAINZURNZ4155" DIA. N.B. STRAINERSINKELKAYLRAD291865LKD2437BHC FAUCET, CR-19 STOPS AND SUPPLIES, OFFSET GRID DRAIN, 17 GA C.P. P-TRAPFLOOR CLEAN OUTZURNZN 1400-3NH-5BZ1 cast iron cleanout with 5" round nickel bronze adjustable top up to 1-1/4 of vertical post pour adjustment, tilt correction shims and rough-in coverNickel Bronze top, cast iron body	BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE.TOUCHLESS BATTERY POWERED FLUSH VALVELAVATORYKOHLERK-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVEK-13460 TOUCHLESS FAUCET, CR. 19 STOPS, AND SUPPLES, OFFSET GRID DRAIN, 17 GA C.P. P- TRAP0.5 GPMFLOOR DRAINZURNZ4155" DIA. N.B. STRAINER0.5 GPMSINKELKAYLRAD291865LKD2437BHC FAUCET, CR-19 STOPS AND SUPPLIES, OFFSET GRID DRAIN, 17 GA C.P. P-TRAP0.5 GPMFLOOR CLEAN OUTZURNZN 1400-3NH-5BZ1 cast iron cleanout with 5" round nickel bronze adjustable top up to 1-1/4 of vertical post pour adjustment, tilt correction shims and rough-in coverNickel Bronze top, cast iron body	WATER CLOSETKOHLERK-84325-L WALL HUNG ELONGATED WATER CLOSET WITH EXPOSED BATTERY SENSOR FLUSH VALVE WITH OVER-RDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE.K-7531 EXPOSED HYBRD TOUCHLESS BATTERY POWERED FLUSH VALVE1.28 GPFLAVATORYKOHLERK-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVEK-13460 TOUCHLESS FAUCET, CR- 19 STOPS, AND SUPPLIES, OFFSET GRID DRAIN, 17 GA C.P. P- TRAP0.5 GPM 1.5FLOOR DRAINZURNZ415S" DIA. N.B. STRAINER1.5SINKELKAYLRAD291865LKD2437BHC FAUCET, CR-19 STOPS AND SUPPLIES, OFFSET GRID DRAIN, 17 GA C.P. P-TRAP0.5 GPM 1.5FLOOR CLEAN OUTZURNZN1400-3NH-5BZ1 cast iron cleanout with 5" round nickel bronze adjustable top up to 1-1/4 of vertical post pour adjustment, tilt correction shims and rough-in coverNickel Bronze top, cast iron bodyNickel Bronze top, cast iron body	WATER CLOSETKOHLERK-84325-L WALL HUNG ELONGATED WATER CLOSET WITH EXPOSED BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE.K-7531 EXPOSED HYBRID TOUCHLESS BATTERY POWERED1.28 GPF 10LAVATORYKOHLERK-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVEK-13460 TOUCHLESS FAUCET, CR- 19 STOPS, AND SUPPLIES, OFFSET GRID DRAIN, 17 GA C.P. P- TRAP0.5 GPM 1.51.5FLOOR DRAINZURNZ4155" DIA. N.B. STRAINERSINKELKAYLRAD291865LKD2437BHC FAUCET, CR-19 STOPS AND SUPPLIES, OFFSET GRID DRAIN, 17 GA C.P. P-TRAP0.5 GPM 1.51.5FLOOR CLEAN OUTZURNZN 1400-3NH-5BZ1 cast iron cleanout with 5" round nickel bronze adjustable top up to 1-1/4 of vertical post pour adjustment, tilt correction shims and rough-in coverNickel Bronze top, cast iron bodyNickel Bronze top, cast iron bodyNickel Bronze top, cast iron body	WATER CLOSETKOHLERK-84325-L WALL HUNG ELONGATED WATER CLOSET WITH EXPOSED BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE.K-7531 EXPOSED HYBRID TOUCHLESS BATTERY POWERED FLUSH VALVE1.28 GPF 10104LAVATORYKOHLERK-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVEK-13460 TOUCHLESS FAUCET, CR- 19 STOPS, AND SUPPLIES, OFFSET GRID DRAIN, 17 GA C.P. P- TRAP0.5 GPM 1.51.51.51FLOOR DRAINZURNZ4 155" DIA. N.B. STRAINERSINKELKAYLRAD29 1865LKD2 168650.5 GPM STOPS AND SUPPLIES, OFFSET GRID DRAIN, 17 GA C.P. P- TRAP0.5 GPM 1.51.51.51FLOOR CLEAN OUTZURNZUN 41400-3NH-5BZ1 cast iron cleanout with 5" round nickel bronze adjustable top up to 1-1/4 of vertical post pour adjustment, tilt correction shims and rough-in coverNickel Bronze top, cast iron bodyNickel Bronze top, cast iron body	WATER CLOSETKOHLERK-84325-L WALL HUNG ELONGATED WATER CLOSET WITH EXPOSED BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE.K-7531 EXPOSED HYBRID TOUCHLESS BATTERY POWERED1.28 GPF 10144"LAVATORYKOHLERK-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVEK-13460 TOUCHLESS FAUCET, CR- 19 STOPS, AND SUPPLES, OFFSET GRID DRAIN, 17 GA C.P. P-0.5 GPM 1.51.5111/2"FLOOR DRAINZURNZ4155" DIA. N.B. STRAINER1.51.5111/2"FLOOR CLEAN OUTLKAYLRAD291865LKD2437BHC FAUCET, CR-19 STOPS AND SUPPLES, OFFSET GRID DRAIN, 17 GA C.P. P-TRAP0.5 GPM 1.51.5111/2"FLOOR CLEAN OUTZURNZUN1400-3NH-5BZ1 cast iron cleanout with 5" round nickel bronze adjustable top up to 1-1/4 of vertical post pour adjustment, till correction shims and rough-in coverNickel Bronze top, cast iron bodyNickel Bronze top, cast iron body11WATER HAMMERZURN1250COPPER </td <td>WATER CLOSET KOHLER K-84325-L WALL HUNG ELONGATED WATER CLOSET WITH EXPOSED BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE. K-7531 EXPOSED HYBRID TOUCHLESS BATTERY POWERED 1.28 GPF 10 4 4" 2" LAVATORY KOHLER K-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVE K-13460 TOUCHLESS FAUCET, CR- 19 STOPS, AND SUPPLES, OFFSET GRID DRAIN, 17 GA C.P. P. 0.5 GPM 1.5 1 11/2" 11/2" 11/2" FLOOR DRAIN ZURN Z415 5" DIA. N.B. STRAINER 0.5 GPM 1.5 1 11/2" 11/2" 11/2" FLOOR CLEAN OUT ZURN ZN1400-3NH-5BZ1 cast iron cleanout with 5" round nickel bronze adjustable top up to 1-1/4 of vertical post pour adjustment, tilt correction shims and rough-in cover Nickel Bronze top, cast iron body 0.5 GPM 1.5 1 11/2" 11/2"</td> <td>WATER CLOSET KOHLER K-84325-L WALL HUNG ELONGATED WATER CLOSET WITH EXPOSED BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE. K-7531 EXPOSED HYBRID TOUCHLESS BATTERY POWERED FLUSH VALVE 1.28 GPF 10 4 4" 2" 1" LAVATORY KOHLER K-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVE K-13460 TOUCHLESS FAUCET, CR- 19 STOPS, AND SUPPLES, OFFSET GRID DRAIN, 17 GA C.P. 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K-7531 EXPOSED HYBRD TOUCHLESS BATTERY POWERED 1.0 4 4" 2" 1" - BARRER FREE COMPLIANT; EXPOSED TO P SPUD CONNECTION; ZURN Z1201 SERIES CLOSET CARRER, 500 LB SEAT CAPACITY LAVATORY KOHLER KOHLER K.1721 WALL HUNG SINK WITH GRD DRAIN, 17 GAD CP.P. TRAP 0.5 GPM 1.5 1.5 1 11/2" 11/2" 11/2" BARRER FREE COMPLIANT; BARRER FREE TRAP, TRUEBRO LAV FLOOR DRAIN ZURN Z15 STOPS, AND SUPPLES, OFFSET GRD DRAIN, 17 GA C.P. P. TRAP 0.5 GPM 1.5 1.5 1 11/2" 11/2" 11/2" BARRER FREE COMPLIANT; BARRER FREE TRAP, TRUEBRO LAV SINK ELKAY LRAD291865 STOLA. N.B. STRAINER 0.5 GPM 1.5 1.5 1 11/2" 11/2" 12" BARRER FREE COMPLIANT; BARRER FREE TRAP, TRUEBRO LAV SINK ELKAY LRAD291865 KL02437BHC FAUCET, CR-19 STOPS AND SUPPLES, OFFSET GRID DRAIN, 17 GA C.P. P.TTRAP 0.5 GPM 1.5 1 11/2" 11/2" 12" BARRER FREE COMPLIANT; BARRER FREE TRAP, TRUEBRO LAV GUARD HW INSUL. KIT; SOLD BRASS FAUCET <</td>	WATER CLOSET KOHLER K-84325-L WALL HUNG ELONGATED WATER CLOSET WITH EXPOSED BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE. K-7531 EXPOSED HYBRID TOUCHLESS BATTERY POWERED 1.28 GPF 10 4 4" 2" LAVATORY KOHLER K-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVE K-13460 TOUCHLESS FAUCET, CR- 19 STOPS, AND SUPPLES, OFFSET GRID DRAIN, 17 GA C.P. P. 0.5 GPM 1.5 1 11/2" 11/2" 11/2" FLOOR DRAIN ZURN Z415 5" DIA. N.B. 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P- TRAP 0.5 GPM 1.5 1 11/2"	WATER CLOSETKOHLERK-84325-L WALL HUNG ELONGATED WATER CLOSET WITH EXPOSED BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WHITE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE.K-7531 EXPOSED HYBRD TOUCHLESS BATTERY POWERED FLUSH VALVE1.28 GPF 101.444"2"1"-LAVATORYKOHLERK-1721 WALL HUNG SINK WITH GRID DRAIN; P-TRAP; STOP SUPPLY KIT; TRAP WRAP AND ASSE 1070 THERMOSTATIC MIXING VALVEK-13460 TOUCHLESS FAUCET, CR- 19 STOPS, AND SUPPLIES, OFFSET GRID DRAIN, 17 GA C.P. P.0.5 GPM 1.51.5111/2"11/2"11/2"1/2"FLOOR DRAINZURNZ4155" DIA. N.B. STRAINER5" DIA. N.B. STRAINER5" DIA. N.B. STRAINER5" DIA. N.B. STRAINER5.5 GPM 1.51.5111/2"<	WATER CLOSET KOHLER K-84325-L WALL HUNG ELONGATED WATER CLOSET WITH EXPOSED BATTERY SENSOR FLUSH VALVE WITH OVER-RIDE, WITHE OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE. K-7531 EXPOSED HYBRD TOUCHLESS BATTERY POWERED 1.0 4 4" 2" 1" - BARRER FREE COMPLIANT; EXPOSED TO P SPUD CONNECTION; ZURN Z1201 SERIES CLOSET CARRER, 500 LB SEAT CAPACITY LAVATORY KOHLER KOHLER K.1721 WALL HUNG SINK WITH GRD DRAIN, 17 GAD CP.P. TRAP 0.5 GPM 1.5 1.5 1 11/2" 11/2" 11/2" BARRER FREE COMPLIANT; BARRER FREE TRAP, TRUEBRO LAV FLOOR DRAIN ZURN Z15 STOPS, AND SUPPLES, OFFSET GRD DRAIN, 17 GA C.P. P. TRAP 0.5 GPM 1.5 1.5 1 11/2" 11/2" 11/2" BARRER FREE COMPLIANT; BARRER FREE TRAP, TRUEBRO LAV SINK ELKAY LRAD291865 STOLA. N.B. STRAINER 0.5 GPM 1.5 1.5 1 11/2" 11/2" 12" BARRER FREE COMPLIANT; BARRER FREE TRAP, TRUEBRO LAV SINK ELKAY LRAD291865 KL02437BHC FAUCET, CR-19 STOPS AND SUPPLES, OFFSET GRID DRAIN, 17 GA C.P. P.TTRAP 0.5 GPM 1.5 1 11/2" 11/2" 12" BARRER FREE COMPLIANT; BARRER FREE TRAP, TRUEBRO LAV GUARD HW INSUL. KIT; SOLD BRASS FAUCET <







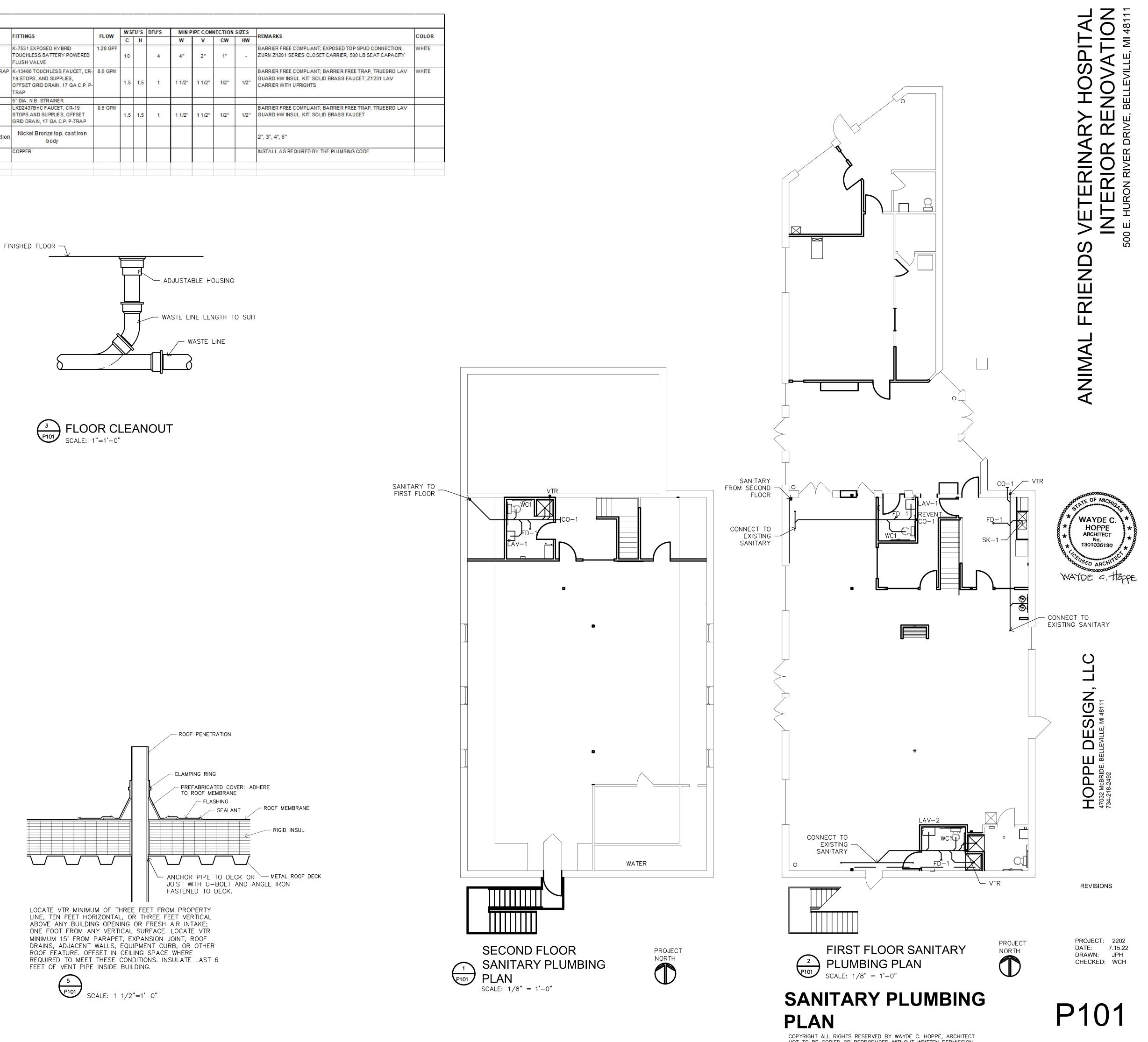
- 1. PLUMBING CONTRACTOR RESPONSIBLE TO SIZE ALL WASTE, SUPPLY, VENTS, DRAINS, TRAPS, ETC TO PROVIDE COMPLETE SYSTEM THAT IS IN COMPLIANCE
- WITH ALL CODES AND REGULATIONS. 2. THE PLUMBING DRAWINGS ARE SCHEMATIC ONLY. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE FINAL LAYOUT AND ROUTING OF PIPING.
- NO PLUMBING PIPING SHALL BE ROUTED OVER ELECTRICAL PANELS.
 PLUMBING CONTRACTOR SHALL CONTACT THE SERVICE PROVIDER AND ARRANGE
- FOR NEW GAS SERVICE CONNECTION. 5. PLUMBING CONTRACTOR SHALL CONTACT THE MUNICIPAL AUTHORITY TO
- ARRANGE FOR NEW WATER SERVICE CONNECTION. 6. PROVIDE CLEANOUTS AT THE BASE OF ALL BASE STACKS, CHANGES IN
- DIRECTION GREATER THAN 45 DEGREES, AND 50 FEET ON CENTER FOR STRAIGHT RUNS.
- ALL PLUMBING SHALL COMPLY WITH BARRIER FREE REQUIREMENTS.
 PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS.
 WRAP ALL WATER PIPING WITH INSULATED PIPE WRAP.
- 10. ALL LAMBS TONGUE DISCHARGE TO BE 36" ABOVE ADJACENT GRADE. 11. PLUMBING CONTRACTOR TO VERIFY MICHIGAN PLUMBING CODE AND COUNTY

HEALTH DEPARTMENT REQUIREMENT FOR BACKFLOW PREVENTERS, CHECK VALVES, VACUUM BREAKERS, AND INDIRECT WASTEWATER CONNECTIONS. PLUMBING PIPING REQUIREMENTS

	HW	CW	WASTE
WATER CLOSET TANK	_	$\frac{1}{2}$ "	3"
WATER CLOSET FLUSH VALVE	_	ī"	3"-4"
URINALS	_	<u>3</u> " 4	2"
SERVICE SINK	<u>3</u> " 4	<u>3</u> "	3"
ELECTRIC WATER COOLER	_	$\frac{1}{2}$	1 <u>1</u> "
WASH BASIN	<u>3</u> " 4	<u>3</u> "	$1 \frac{1}{2}$ "
SINKS/LAVATORIES	1" 2	<u>1</u> " 2	1] "
SHOWER STALLS	<u>3</u> "	-3" -4	3"
FLOOR DRAIN	·	•	3"

NOTE: PIPE SIZES SHOWN ARE MINIMUM STANDARD. PC SHALL VERIFY VARIANCES ON PLAN.

VERIFY ALL DIMENSIONS IN FIELD





LEGEND

——————————————————————————————————————	GATE VALVE
	GLOBE VALVE
δ	BALL VALVE
	CHECK VALVE
—ÿ—	2-WAY CONTROL VALVE
<u> </u>	3-WAY CONTROL VALVE
\$	LUBRICATED PLUG VALVE
{&} MS	BAL. BALL VALVE W/ MEMORY STOP
₩	CIRCUIT SETTER
	PRESSURE REDUCING VALVE
<u>T</u> PT	PRESSURE TEMP. TEST PORT
Ŷ	PRESSURE GAUGE
Q	THERMOMETER
	EXPANSION JOINT W/ GUIDES
AV	AIR VENT
	Y–STRAINER
<u> </u>	PIPE FLEXIBLE CONNECTOR
	CONN. TO EXIST.
	DUCT FLEXIBLE CONNECTOR
$- \bigtriangledown$	EXIST. FIRE DAMPER
	NEW FIRE DAMPER
∽	EXIST. SMOKE DAMPER
4 •	NEW SMOKE DAMPER
O	EXIST. COMB. FIRE SMOKE DMPR
•	NEW COMB. FIRE/SMOKE DMPR
MARK CFM	SUPPLY DIFFUSER
	RETURN GRILLE

EXHAUST GRILLE

PLUMBING NOTES

- 1. PLUMBING CONTRACTOR RESPONSIBLE TO SIZE ALL WASTE, SUPPLY, VENTS, DRAINS, TRAPS, ETC TO PROVIDE COMPLETE SYSTEM THAT IS IN COMPLIANCE
- WITH ALL CODES AND REGULATIONS. 2. THE PLUMBING DRAWINGS ARE SCHEMATIC ONLY. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE FINAL LAYOUT AND ROUTING OF PIPING.
- NO PLUMBING PIPING SHALL BE ROUTED OVER ELECTRICAL PANELS.
 PLUMBING CONTRACTOR SHALL CONTACT THE SERVICE PROVIDER AND ARRANGE FOR NEW GAS SERVICE CONNECTION.
- 5. PLUMBING CONTRACTOR SHALL CONTACT THE MUNICIPAL AUTHORITY TO ARRANGE FOR NEW WATER SERVICE CONNECTION. 6. PROVIDE CLEANOUTS AT THE BASE OF ALL BASE STACKS, CHANGES IN
- DIRECTION GREATER THAN 45 DEGREES, AND 50 FEET ON CENTER FOR STRAIGHT RUNS.
- ALL PLUMBING SHALL COMPLY WITH BARRIER FREE REQUIREMENTS.
 PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS.
 WRAP ALL WATER PIPING WITH INSULATED PIPE WRAP.
- 10. ALL LAMBS TONGUE DISCHARGE TO BE 36" ABOVE ADJACENT GRADE.
- 11. PLUMBING CONTRACTOR TO VERIFY MICHIGAN PLUMBING CODE AND COUNTY HEALTH DEPARTMENT REQUIREMENT FOR BACKFLOW PREVENTERS, CHECK VALVES, VACUUM BREAKERS, AND INDIRECT WASTEWATER CONNECTIONS.

PLUMBING PIPING REQUIREMENTS

	HW	CW	WASTE
WATER CLOSET TANK	_	$\frac{1}{2}$ "	3"
WATER CLOSET FLUSH VALVE	_	1"	3"-4"
URINALS	_	<u>3</u> " 4	2"
SERVICE SINK	<u>3</u> " 4	<u>3</u> " 4	3"
ELECTRIC WATER COOLER	_	$\frac{1}{2}$ "	1 <u>1</u> "
WASH BASIN	<u>3</u> " 4	<u>3</u> " 4	1 <u>1</u> "
SINKS/LAVATORIES	<u>1</u> "	<u>1</u> "	1 <u>1</u> "
SHOWER STALLS	<u>3</u> " 4	<u>3</u> " 4	3"
FLOOR DRAIN			3"

NOTE: PIPE SIZES SHOWN ARE MINIMUM STANDARD. PC SHALL VERIFY VARIANCES ON PLAN.

VERIFY ALL DIMENSIONS IN FIELD

