

Market Street Center
Lee's Summit, Missouri 64082

GENERAL NOTES:

- DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT ANY DISCREPANCIES TO THE ARCHITECT FOR CLARIFICATION.
2. ALL WORK SHALL BE IN COMPLIANCE WITH THE STANDARD BUILDING RECOGNIZED INDUSTRY STANDARDS, CRAFTSMANSHIP STANDARDS IN THE AREA, ALL MANUFACTURER RECOMMENDATIONS, AND ALL OTHER APPLICABLE CODES
3. PROVIDE ACCESSIBILITY FOR THE PHYSICALLY HANDICAPPED CONFORMING TO THE AMERICANS WITH DISABILITIES ACT OF 2010. TO THE BEST OF OUR KNOWLEDGE, THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2010 IBC AND THE RULES AND REGULATIONS OF NEW CONSTRUCTION PER ADA
4. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR BUILDING THIS PROJECT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS UNLESS A WRITTEN NOTIFICATION FROM THE OWNER OR ARCHITECT TO THE CONTRARY IS RECEIVED
5. THE ARCHITECT DOES NOT GUARANTEE THE PERFORMANCE OF THE PROJECT IN ANY RESPECT OTHER THAN THAT OUR ARCHITECTURAL WORK AND JUDGEMENT RENDERED MEETS THE STANDARDS OF CARE OF OUR PROFESSION
6. THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURES SHOWN HEREON ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF SUCH, WHETHER SHOWN HEREON OR NOT, PRIOR TO ANY EXCAVATION. ANY DAMAGES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR
7. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING FOR ALL WORK DURING THE CONSTRUCTION PERIOD
8. PROVIDE ILLUMINATED EXIT SIGNS WITH BATTERY BACKUP DESIGNATING EXITS AND MAYES OF TRAVEL THERETO
9. FIRE BARRIER SHALL BE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL, FROM A FIRE BARRIER TO ANOTHER FIRE BARRIER, OR A COMBINATION THEREOF, INCLUDING CONTINUITY THROUGH ALL CONCEALED SPACES SUCH AS THOSE FOUND ABOVE A CEILING, INCLUDING INTERSTITIAL SPACES
10. PASSAGES OF PIPES, CONDUITS, BUS DUCTS, CABLES, WIRES, AIRDUCTS, PNEUMATIC DUCTS, AND SIMILAR BUILDING SERVICE EQUIPMENT THROUGH FIRE BARRIERS SHALL BE PROTECTED AS FOLLOWS
 - 10.1. THE SPACE BETWEEN PENETRATING ITEM AND FIRE BARRIER SHALL BE FILLED WITH A MATERIAL CAPABLE OF MAINTAINING THE FIRE RESISTANCE RATING OF THE FIRE BARRIER PRODUCT. PRODUCT USED MUST MEET TEST METHODS ASTM E814 OR UL 1419 FOR FIRE RATING (PER 714.3.12.4 714.4.11.2 IBC 2018)
 - 10.2. FIRE BARRIERS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH 2" STENCILING (AT 12" O.C.) ABOVE ANY DECORATIVE CEILING AND CONCEALED SPACES WITH THE FOLLOWING:
 - 10.2.1. FIRE/SMOKE BARRIER
 - 10.2.2. PROTECT ALL OPENINGS
11. PROVIDE AT LEAST 1 CLASS ABC 5 POUND FIRE EXTINGUISHER TO BE MOUNTED WHERE READILY VISIBLE AND ACCESSIBLE. ADDITIONAL UNITS MAY BE REQUIRED TO MEET A 75 FT. TRAVEL DISTANCE LIMITATION. INSTALL IN ACCORDANCE WITH NFPA 10 OR PER LOCAL AUTHORITY.
12. WHEN A BEAM OR COLUMN BECOMES PART OF A FIRE RATED WALL OR CEILING IT MUST BE PROTECTED AND BE FIRE RATED AS IS THE WALL OR CEILING.
13. SHELL MECHANICAL ROOM SHALL BE SEPARATED FROM THE REST OF THE BUILDING BY ONE HOUR RATED FIRE-RESISTIVE CONSTRUCTION WITH ALL OPENINGS PROTECTED BY 45 MINUTE LABELED FIRE DOOR ASSEMBLY.. ALL RATED WALLS, WINDOWS, AND DOORS SHALL BE CLEARLY IDENTIFIED ON ARCHITECTURAL DRAWINGS.
14. THE FLOOR ON BOTH SIDES OF A DOOR SHALL BE LEVEL, AND SHALL HAVE THE SAME ELEVATION ON BOTH SIDES OF THE DOOR, FOR A DISTANCE ON EACH SIDE EQUAL TO THE WIDTH OF THE NIDEST SINGLE DOOR.
15. DOORS IN EXITS SHALL NOT BE SUBJECT TO THE USE OF A KEY FOR OPERATION FROM THE INSIDE OF THE BUILDING.
16. EVERY INTERIOR AND EXTERIOR DOOR IN THE BUILDING SHALL BE PROVIDED WITH HANDICAP HARDWARE (LEVERS, PANIC HARDWARE, OR U-SHAPE DESIGNED DEVICES, ETC)
17. PROVIDE J-MOLDS AND CORNER BEADS AT THE EDGES OF ALL EIFS SYSTEMS AND GYPSUM BOARD.

18. PROVIDE CONTINUOUS BLOCKING IN ALL STUD WALLS THAT ARE TO RECEIVE GRAB BARS, TOILET PARTITIONS, ETC.
19. ALL METAL STUD GAUGE DESIGN SHALL BE AS REQUIRED BY PERFORMANCE AND AS INDICATED IN THE DRAWINGS.
20. PROVIDE SEPARATION BETWEEN ALL DISSIMILAR METALS INCLUDING SCREWS, NAILS AND OTHER FASTENING DEVICES
21. WHERE MATERIAL FASTENERS ARE NOT INDICATED, PROVIDE AS SPECIFIED BY THE MATERIAL MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES
22. USE ONLY LEAD-FREE PIPE AND SOLDER FOR DOMESTIC WATER SYSTEM (SAFE DRINKING WATER ACT OF 1986)
23. GENERAL CONTRACTOR SHALL TREAT THE SOIL BENEATH THE SUITE SPACES WITH TERMITICIDE POISON PER MANUFACTURER'S RECOMMENDATIONS
24. ALL WALLS TO BE ANCHORED BY POWER ACTUATED FASTENERS
25. ALL WOOD THAT IS IN DIRECT CONTACT WITH CEMENT, MASONRY OR EARTH SHALL BE PRESURE TREATED.
26. BUILDING SIGNAGE IS TO BE PERMITTED UNDER SEPARATE COVER
27. GYPSUM BOARD WALLS AND CEILINGS SHALL BE INSTALLED PER THE GYPSUM CONSTRUCTION HANDBOOK, 6TH EDITION. LEVELS OF FINISH PER THE FOLLOWING:

LEVEL 1:	IN CONCEALED SPACES, PLINENS ABOVE CEILINGS, SERVICE CORRIDORS AND SPACES NOT OPEN TO PUBLIC VIEW
LEVEL 2:	IN WAREHOUSE AND STORAGE SPACES
LEVEL 3:	IN AREAS TO RECEIVE HEAVY TEXTURED WALL FINISHES, COMMERCIAL GRADE HEAVY-DUTY WALL COVERING
LEVEL 4:	IN AREAS TO RECEIVE FLAT PAINTS, LIGHT TEXTURES, RESIDENTIAL (LIGHT-DUTY) WALL COVERING
LEVEL 5:	IN AREAS TO RECEIVE GLOSS, SEMI-GLOSS, OR ENAMEL PAINTS, UNTEXTURED FINISHES AND IN CRITICAL LIVING AREAS

INSULATION NOTES

1. PROVIDE FOIL-FACED BATT TYPE INSULATION IN EXTERIOR STUD WALLS TO MEET MINIMUM R-19
2. FLAMESPREAD AND SMOKE DEVELOPMENT RATINGS FOR BATT INSULATION VAPOR RETARDER SHALL BE AS FOLLOWS
 - 2.1. FLAMESPREAD: 25
 - 2.2. SMOKE DEVELOPMENT: 450

JOINTS AND SEALANT NOTES

1. PROVIDE CONTINUOUS WATERPROOFING SILICONE BASED SEALANT AND BACKER ROD AT ALL STOREFRONT AND MASONRY JUNCTIONS AND TERMINATIONS. SEALANT SHALL MATCH STOREFRONT
2. PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT ALL JUNCTIONS BETWEEN DISSIMILAR MATERIALS, I.E. BRICK TO EIFS ETC. DOWNCORNING #140
3. THE METAL EDGE SECUREMENT, EXCEPT GUTTER, SHALL BE INSTALLED AS TESTED IN ACCORDANCE WITH MOST CURRENT VERSION OF THE ANGLISPIRI EX-I, AMERICAN NATIONAL STANDARD FOR EDGE SYSTEMS USED WITH LOW-SLOPE ROOFING SYSTEMS
4. PROVIDE STANDING SEAM JOINTS AT ALL COPING SLICES FOR THERMAL EXPANSION. ALL SEAMS SHALL BE SEALED WITH DOWNCORNING #145 TYP.
5. PROVIDE CLOSURE END CAPS AND 90 DEGREE TRANSITIONS AT ALL EXPANSION JOINTS AND END WALL CAPS AT GRAVELSTOPS, TYP.
6. ALL METAL VENTS AND FLUES SHALL BE FLASHED WITH 'PORTALS PLUS' FLASHING BOOT, TYP. SEAL ALL METAL TO METAL CONNECTIONS WITH DOWNCORNING #145 (NOTE: NO CLEAR SILICONE SEALANT SHALL BE ALLOWED)
7. ANCHOR ALL PRESSURE TREATED WOOD BLOCKING AT TOP OF MASONRY WALLS UNDER COPING WITH 3/8" DIA. HOT DIPPED GALVANIZED ANCHORS AT 36" O.C.
8. ALL EXTERIOR JOINTS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF AIR LEAKS SHALL BE CAULKED, GASKETED, WEATHER STRIPPED, OR OTHERWISE SEALED IN ACCORDANCE WITH SPECIFICATIONS
9. PROVIDE CONTROL JOINTS IN GYPSUM BOARD PER ASTM C-840 AND GA-216-10.

SYNOPSIS:

THE SCOPE OF WORK CONSISTS OF A FIRST GENERATION TENANT BUILD-OUT WITHIN AN EXISTING SHELL BUILDING, LOCATED IN LEE'S SUMMIT, MO. THE STRUCTURE INCLUDES, BUT IS NOT LIMITED TO, A 4" THICK CONCRETE SLAB, WOOD STUD FRAMING WITH EIFS/BRICK EXTERIOR VENEER WITH STEEL COLUMNS, WOOD JOISTS AND TPO ROOF SYSTEM ON PLYWOOD ROOF DECKING. INTERIOR CONSTRUCTION WILL COMPRISE OF METAL STUD FRAMING. ALL NEW CONSTRUCTION WILL MATCH THAT ALLOWED IN TYPE II-B CONSTRUCTION.

BUILDING CONSTRUCTION:

CONSTRUCTION TYPE: TYPE V-B
SPRINKLERED: NO
FIRE ALARM: NO

TENANT AREA:

4,200 SQ. FT. (GROSS SQUARE FOOTAGE)
4,066 SQ. FT. (NET SQUARE FOOTAGE)

OCCUPANT LOAD & EGRESS WIDTHS:

4,066 SQ. FT. / 150 SF/PERSON = 27.11 PERSONS
28 PERSONS * 0.2 IN/PERSON = 5.6 INCHES REQUIRED, 68 INCHES
PROVIDED

PLUMBING CALCULATIONS

PLUMBING CALCULATIONS							
OCCUPANCY: B (BUSINESS)	WATER CLOSETS		LAVATORIES		BATHTUBS/ SHOWERS	DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE			
	1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50		1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80				
# REQUIRED					----		1 SERVICE SINK
# PROVIDED					----		1 SERVICE SINK, 1 UNISEX RESTROOM

DESIGN CODES

TENANT

HEARTLAND DENTAL
1200 NETWORK CENTRE DRIVE
EFFINGHAM, IL 62401
DESIGN/PERMIT CONTACT:
ANDREA HUGHES/NICOLE DESENDER
PHONE: (636) 454-0430/(513) 910-7716
CONSTRUCTION CONTACT: MICHAEL VELASCO
PHONE: (912) 872-0887

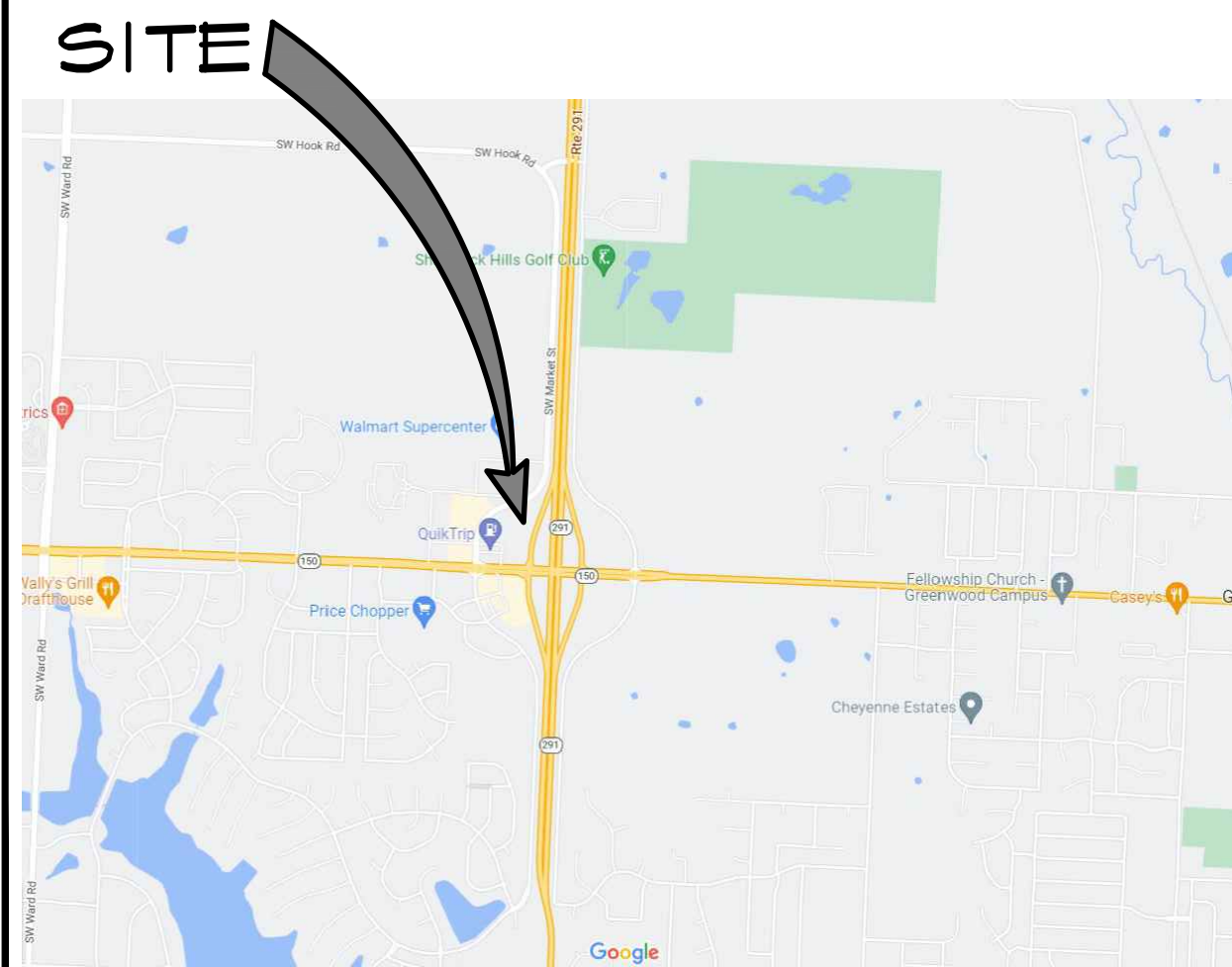
ARCHITECT

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3680 PLEASANT HILL ROAD
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DULUTH, GA 30096
CONTACT: BRAD MCCULLOUGH, R.A.
PHONE: (770) 622-9858

MEP ENGINEERING

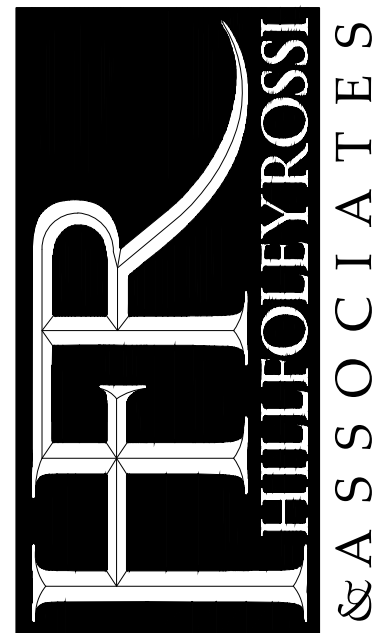
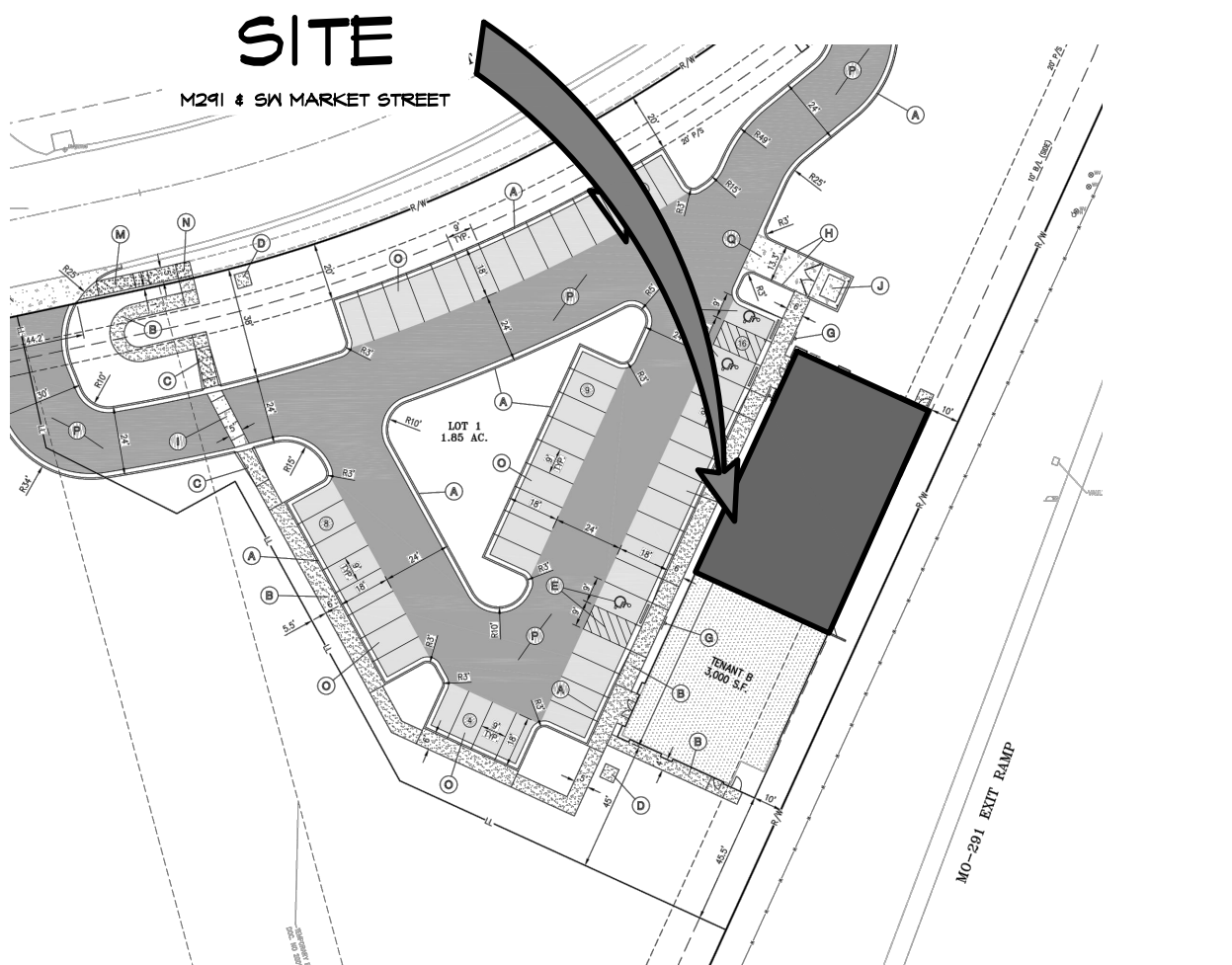
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4855 RIVER GREEN PARKWAY
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VICINITY PLAN



SHEET	DRAWING NAME	FOR CONSTRUCTION 01-22-2022	REVISION # 10-25-2022						
ARCHITECTURAL									
A001	COVER SHEET	●							
A002	SPECIFICATIONS	●							
A003	SPECIFICATIONS	●							
A004	SPECIFICATIONS	●							
A005	SPECIFICATIONS	●							
A006	U.L. DETAILS	●							
A007	GENERAL NOTES, DOOR & WINDOW SCHEDULES	●							
A008	LIFE SAFETY PLAN, DETAILS & NOTES	●							
A009	ACCESSIBILITY STANDARDS	●							
A101	FLOOR PLAN	●							
A102	TREATMENT ROOM DETAILS	●							
A103	TREATMENT SUITE AND HYGIENE DETAILS	●							
A201	EXTERIOR ELEVATIONS	●							
A501	RESTROOM PLAN, DETAILS & ELEVATIONS	●							
A502	INTERIOR ELEVATIONS	●							
A503	INTERIOR ELEVATIONS	●	●						
A504	INTERIOR ELEVATIONS	●							
A505	INTERIOR ELEVATIONS	●							
A601	REFLECTED CEILING PLAN	●							
A602	REFLECTED CEILING PLAN DETAILS	●							
A801	ROOM FINISH PLAN, DETAILS & SCHEDULES	●							
A802	ROOM FINISH DETAILS	●							
F101	EQUIPMENT PLAN	●							
F102	DECOR AND FURNISHING PLAN	●							
F103	EQUIPMENT SCHEDULES	●							
F104	BLOCKING DETAILS	●							
F105	BLOCKING DETAILS	●							
MECHANICAL / ELECTRICAL / PLUMBING									
MEP1	UTILITIES SUMMARY & ZONE PLAN	●							
MECHANICAL									
M001	MECHANICAL NOTES & LEGENDS	●							
M002	MECHANICAL SCHEDULES	●							
M003	MECHANICAL DETAILS	●							
M101	MECHANICAL FLOOR PLAN	●							
ELECTRICAL									
E001	ELECTRICAL SPECIFICATIONS & SYMBOLS	●							
E101	ELECTRICAL FLOOR PLAN - LIGHTING	●							
E102	ELECTRICAL FLOOR PLAN - POWER	●							
E500	ELECTRICAL SCHEDULES	●							
E511	ELECTRICAL DETAILS	●							
PLUMBING									
P001	PLUMBING NOTES & SPECIFICATIONS	●							
P002	PLUMBING SCHEDULES	●							
P003	PLUMBING DETAILS	●							
P004	PLUMBING DETAILS	●							
P005	PLUMBING DETAILS	●							
P006	PLUMBING RISER DIAGRAM	●							
P101	PLUMBING FLOOR PLAN - WASTE & VENT	●							
P102	PLUMBING FLOOR PLAN - WATER	●							
P103	PLUMBING FLOOR PLAN - MEDICAL GAS	●							
P104	PLUMBING FLOOR PLAN - NATURAL GAS	●							

KEY PLAN



**ARCHITECTURE
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sealed: 07-22-22



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Market Street Center
Lee's Summit, Missouri 64082

For: Heartland Dental
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Effingham, IL 62401

	10/25/22	Permit Comments
	07/22/22	For Construction
mk	date	issue

Cover Sheet

A001

HFR 22.911