A New Project For:

Missouri Center for Oral Surgery & Implants at Wentzville

1046 Wentzville Parkway

Wentzville, MO

- **LCS, LLC**
  Design/Builder
- **Engenuity**
  Civil Engineering
- **Warren County Electric**
  Electrical Design/Builder
- **SE/Coady Architects, LLC**
  Architects
- **Jarrell Mechanical Contractors**
  MP Design/Builder
- **Crockett Engineering Consultants**
  Structural Engineers

Architectural seal limited to architectural sheets G001 - A961.

PLAN REVIEW INFORMATION

CODE INFORMATION:

- 2021 ICC INTERNATIONAL BUILDING CODES W/ AMENDMENTS
- 2021 ICC INTERNATIONAL EXISTING BUILDING CODE WITH AMENDMENTS
- 2021 ICC INTERNATIONAL FIRE CODE W/ AMENDMENTS
- 2021 ICC INTERNATIONAL MECHANICAL CODE W/ AMENDMENTS
- 2021 ICC INTERNATIONAL PLUMBING CODE
- 2020 NFPA 70 NATIONAL ELECTRICAL CODE W/ AMENDMENTS
- 2021 ICC INTERNATIONAL ENERGY CONSERVATION CODE W/ AMENDMENTS
- 2010 ADA STANDARDS FOR ACCESSIBILITY DESIGN
- ICC A117.1
- 2012 NFPA 101

NAME OF PROJECT: MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS AT WENTZVILLE
STREET ADDRESS: 1046 WENTZVILLE PARKWAY, WENTZVILLE, MO 63385

1. TYPE OF PROJECT: DENTAL / ORAL SURGERY FACILITY

2. HEIGHT / AREA (CHAPTER 5):

   USE GROUP: BUSINESS / AMBULATORY CARE

   TYPE OF CONSTRUCTION: 5B

   ALLOWABLE AREA (BUSINESS, 1 STORY, SPRINKLED): 36,000 SF

   ALLOWABLE HEIGHT (BUSINESS, SPRINKLED): 3 STORIES / 60 FT

   ACTUAL AREA: 6,497 SF

   ACTUAL HEIGHT: 1 STORY / 22'-4"

3. FIRE SUPPRESSION (CHAPTER 9):
   THROUGHOUT (OCCUPANCY REQUIREMENT): YES

4. INCIDENTAL ACCESSORY OCCUPANCIES (TABLE 509)
   LABS, NOT CLASSIFIED AS GRP. H, IN AMBULATORY CARE FACILITIES:
   1 HOUR OR AUTOMATIC SPRINKLER SYSTEM
   MEDICAL GAS STORAGE ROOM: 1 HOUR

5. MIXED USE OPTIONS: N/A

6. TABLE 601 - FIRE RATINGS OF STRUCTURAL FRAME:
   STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS AND TRUSSES: 0 HR
   BEARING WALLS
   EXTERIOR: 0 HR
   INTERIOR: 0 HR
   NON-BEARING WALLS
   EXTERIOR: 0 HR
   INTERIOR: 0 HR
   FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS: 0 HR
   ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS: 0 HR
   SEE SECTION 704 FOR REQUIREMENTS FOR PROTECTION OF STRUCTURAL MEMBERS

7. TABLE 705.5 - FIRE RATING OF EXTERIOR WALLS BASED UPON SEPARATION DISTANCE:

	(<5')	(5'TO<10')	(10'TO<30')	(30' OR MORE)
LOAD BRG.	N/A	N/A	N/A	0 HR
NON-LOAD BRG.	N/A	N/A	N/A	0 HR

8. OTHER FIRE RESISTIVE ASSEMBLIES:
   FIRE WALLS: N/A
   FIRE BARRIERS (707): N/A
   SHAFT AND VERTICAL EXIT ENCLOSURES (707, 712 AND 713): N/A
   FIRE PARTITIONS (708):
   MEDICAL GAS STORAGE ROOM: 1 HOUR
   SMOKE BARRIERS (709): N/A
   FLOOR AND ROOF ASSEMBLIES (711): SEE ITEM 6 ABOVE
   FIRE AREAS (903): N/A

9. OPENINGS, PENETRATIONS AND JOINTS:

   PENETRATIONS (714) BY METAL CONDUITS AND PIPE, PLASTIC PIPE, DUCTWORK:
   VERTICAL AND HORIZONTAL FIRE RESISTANCE RATED ASSEMBLIES (714.3 AND 714.4):
   SAME AS ASSEMBLY RATING.
   NON-FIRE RESISTANCE RATED ASSEMBLIES (CONNECTING >2 STORIES) (714.5):
   SAME AS SHAFT ENCLOSURE.

   JOINTS (715) WHERE WALLS MEET WALLS, WALLS MEET FLOORS OR WALLS MEET ROOF ASSEMBLIES TESTED IN ACCORDANCE WITH UL 2079: SAME AS ASSEMBLY RATING.

   OPENINGS (716) — ASSEMBLY TYPE: DOORS AND SHUTTERS — ASSEMBLY RATING: 1 HR — OPENING RATING: 3/4 HR
   GLAZING (716.6) — ASSEMBLY RATING: N/A — MAXIMUM GLAZING SIZE: N/A

10. INTERIOR FINISHES (T803.13):

	SPRINKLERED	UNSPRINKLERED
VERTICAL EXITS AND EXIT PASSAGEWAYS	CLASS B	N/A
EXIT ACCESS CORRIDORS AND OTHER EXITWAYS	CLASS C	N/A
ROOMS/ENCLOSED SPACES	CLASS C	N/A

11. FIRE ALARM AND DETECTION SYSTEMS (907):

	REQUIRED	NOT REQUIRED	PROVIDED
MANUAL FIRE ALARM		X	X
AUTOMATIC FIRE DETECTION		X	X
SINGLE/MULTIPLE STATION		X	X

12. OCCUPANT LOAD (1004): BUSINESS - AMBULATORY CARE FACILITY
    CALCULATED: 6,497 SF / 150 SF/OCC = 44 TOTAL ACTUAL OCCUPANTS

13. EGRESS WIDTH (PER FLOOR): STAIRWAYS — DOORS — TOTAL @ LEVEL OF EXIT DISCHARGE
    CALCULATED (T1005.1): N/A (.20) x 44 = 8.8 IN 114 IN

14. NUMBER OF EXITS:
    SPACES WITH 1 EXIT (T1006.2.1) : N/A

15. STORIES WITH ONE EXIT (1006.3.2(2)) # OF STORIES: N/A # OF OCC'S.: N/A TRAVEL DIST.: N/A
    >1 EXIT REQUIRED (1006.2.1): OCCUPANT LOAD: 44 NUMBER OF EXITS REQUIRED: 2
    NUMBER OF EXITS PROVIDED: 3

15. EXIT TRAVEL DISTANCE (1017):
    ACTUAL: 96'
    ALLOWED (T1017.2): 300' (WITH A SPRINKLER SYSTEM)

16. ATTIC AND UNDERFLOOR VENTILATION (1202.2 AND 1202.4): N/A

17. ROOF COVERING CLASS (1505.1): CLASS C.

18. RESTROOMS:
    OCCUPANT LOAD - BUSINESS / AMBULATORY CARE (2021 IBC CHAPTER 29):
    6,497 SF / 150 SF/OCC = 44 OCC. (22 MEN & 22 WOMEN)
    EMPLOYEE RESTROOMS REQUIRED: YES
    PUBLIC RESTROOMS REQUIRED: YES

	MIN. # REQUIRED FIXTURES MALE	FEMALE	ACTUAL NUMBER OF FIXTURES ALL GENDER	PRIVATE
WATER CLOSETS:	1	1	3	1
URINALS:	-	N/A	-	N/A
LAVATORIES:	1	1	3	1
SERVICE SINK:	1 REQ'D. PER FLOOR / 1 PROVIDED			
DRINKING FOUNTAINS:	1 REQ'D. PER FLOOR / 1 PROVIDED			

SITE LOCATION MAP

SITE LOCATION

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FOR ADDITIONAL INFORMATION REFERENCE HENRY SCHEIN DOCUMENTS UNDER SEPARATE COVER

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TITLE SHEET WITH CODE REVIEW

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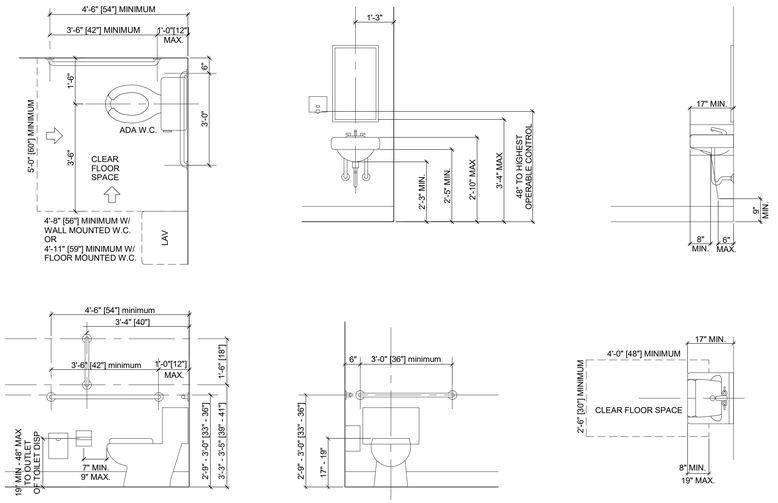
G001

STANDARD ABBREVIATIONS

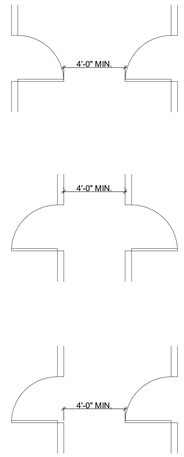
@	AT
AB	ANCHOR BOLT
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
ACOUS	ACOUSTICAL
ADJ	ADJUST/ADJACENT
AFF	ABOVE FINISH FLOOR
AL	ALUMINUM
ALT	ALTERNATE
ANCH	ANCHOR
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
ASPH	ASPHALT
AUTO	AUTOMATIC
AVG	AVERAGE
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BM	BEAM
B.M.	BENCH MARK
BRG	BEARING
BTM	BOTTOM
CAB	CABINET
CB	CHALK BOARD
CEM PL	CEMENT PLASTER
CIPC	CAST-IN-PLACE CONCRETE
CJ	CONTROL/CONSTRUCTION JOINT
CLG	CEILING
CLR	CLEAR
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
COMP	COMPRESSIBLE/COMPACTED
CONC	CONCRETE
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRUGATED
CPT	CARPET
CR	COLD ROLLED
CT	CERAMIC TILE
CTR FLSH	COUNTER FLASHING
CTR SK	COUNTER SINK
CUH	CABINET UNIT HEATER
CUV	CABINET UNIT VENTILATOR
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DNSP	DOWNSPOUT
DR	DOOR
DTL	DETAIL
DW	DRYWALL
DWG	DRAWING
DWL	DOWEL
EA	EACH
ED	ELECTRIC DRYER
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC/ELECTRICAL
ELEV	ELEVATOR
EMBED	EMBEDMENT
EMER	EMERGENCY
EP	EPOXY
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXIST	EXISTING
EXP	EXPANSION/EXPOSED
EXT	EXTERIOR
FBO	FURNISHED BY OWNER/OTHERS
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FH	FIRE HOSE
FHC	FIRE HOSE CABINET
FIN	FINISH
FLR	FLOOR
FLSH	FLASHING
FRT	FIRE RETARDANT TREATED
FUR CH	FURRING CHANNEL
FURN	FURNACE
FTG	FOOTING
GA	GAUGE
GALV	GALVENIZED
GC	GENERAL CONTRACTOR
GD	GAS DRYER
GL	GLASS
GMU	GLAZED (CONCRETE) MASONRY UNIT
GT	GLAZED TILE UNITS
GWB	GYPSUM WALL BOARD
GWH	GAS WATER HEATER
GYP PL	GYPSUM PLASTER
HB	HOSE BIB
HDNR	HARDENER
HD WD	HARD WOOD
HDWRE	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HTG	HEATING
HVAC	HEATING/VENTILATION/AIR CONDITIONING
HWH	HOT WATER HEATER
IN	INCH
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JT	JOINT
KD	KNOCK DOWN
KO	KNOCK OUT (PANEL)
LAM	LAMINATED
LAV	LAVATORY
LH	LEFT HANDED
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LVL	LEVEL
LVR	LOUVER
LVT	LUXURY VINYL TILE
MARB	MARBLE
MAS	MASONRY
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MED	MEDIUM
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MAN HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODULAR
MTL	METAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OVERHEAD
OPP	OPPOSITE
OPP HD	OPPOSITE HAND
PAV	PAVEMENT
PCC	PRECAST CONCRETE
PERM	PERMANENT
PL	PLASTIC
PL LAM	PLASTIC LAMINATE
PLMB	PLUMBING
PLT	PLATE
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
PPT	PRESSURE PRESERVATIVE TREATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
RAD	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCING
REQ	REQUIRED
RFG	ROOFING
RH	RIGHT HAND
RM	ROOM
RMF	RUBBER MAT FLOORING (REMOVABLE)
RO	ROUGH OPENING
RSF	RUBBER SHEET FLOORING
RTF	RUBBER TILE FLOORING
RTU	ROOF TOP UNIT
SC	SEALED CONCRETE
SCHED	SCHEDULE
SEC	SECTION
SF	SQUARE FOOT
SH	SHOWER
SHT	SHEET
SI	SQUARE INCH
SIM	SIMILAR
SK	SINK
SLNT	SEALANT
SOG	SLAB ON GRADE
SPC	SPACING
SPEC	SPECIFICATION(S)
SPK	SPEAKER
SPMR	SINGLE PLY MEMBRANE ROOFING
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
STD	STANDARD
STD WGT	STANDARD WEIGHT
STL	STEEL
STN	STAIN
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SVF	SHEET VINLY FLOORING
SYM	SYMMETRICAL
SYN	SYNTHETIC
TB	TACK BOARD
TERR	TERRAZZO
T&G	TONGUE AND GROOVE
T.O.	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CURB
TOFW	TOP OF FOUNDATION WALL
TOM	TOP OF MASONRY
TOS	TOP OF SLAB
TOSTL	TOP OF STEEL
TOW	TOP OF WALL
TS	TACK STRIP
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VARN	VARNISH
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VEN PL	VENEER PLASTER
VERT	VERTICAL
VWC	VINYL WALL COVERING
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WGT	WEIGHT
WP	WATERPROOF
WWF	WELDED WIRE FABRIC

ACCESSIBILITY STANDARDS

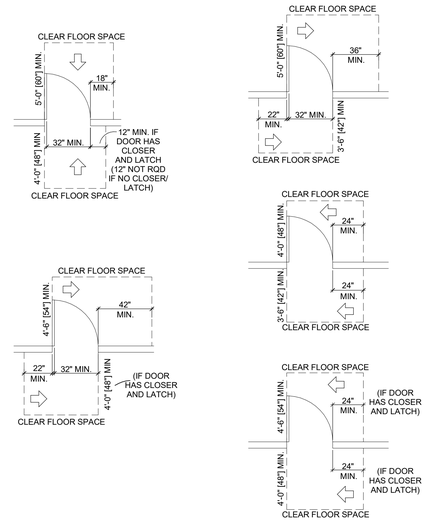
2018 ACCESSIBILITY CODE, SECTION 400, APPENDIX A, ILLUSTRATION B, PAGES 126 - 157



WATER CLOSETS / LAVATORIES



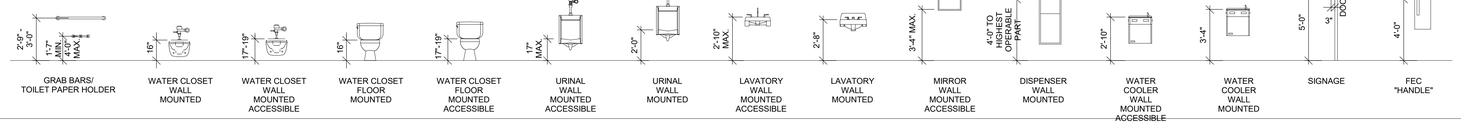
DOORS IN SEQUENCE



DOOR APPROACHES

TYPICAL MOUNTING HEIGHTS

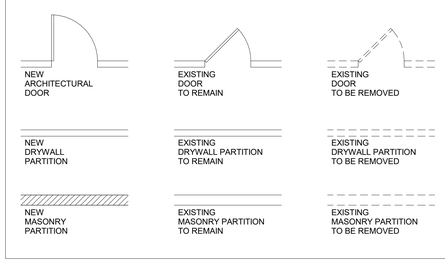
FIXTURE	HEIGHTS FROM FINISH FLOOR
LIGHT SWITCHES	44" TO CENTER (SEE ADJACENT)
ELECTRIC RECEPTACLES	15" TO BOTTOM (4" ABOVE BACKSPLASH WHEN LOCATED ABOVE COUNTERTOP)
FIRE ALARM PULL	44" TO CENTER (SEE ADJACENT)
FIRE ALARM BELL	84" TO CENTER
TOWEL DISPENSER	SEE ELEVATION BELOW
FIRE EXTINGUISHER CABINET	48" MAXIMUM TO HANDLE - MAX. 4" PROJECTION FROM WALL
DRINKING FOUNTAIN	40" TO SPOUT (STANDARD HEIGHT) / 36" TO SPOUT (ACCESSIBLE HEIGHT)
THERMOSTAT	44" TO CENTER
WALL-MOUNTED TELEPHONE	44" TO CENTER
STROBE LIGHT	80" TO TOP (OR 6" BELOW CEILING WHICHEVER IS LOWER)
GRAB BARS/HANDRAILS	33" - 36" TO CENTERLINE
TOILET PAPER DISPENSER	19" A.F.F. MIN. - 48" A.F.F. MAX. TO OUTLET OF DISPENSER
MIRROR	40" (LOWEST REFLECTIVE SURFACE)



GRAPHICAL SYMBOLS

ELEVATION / LEVEL LINE DESIGNATION	TOP OF FLOOR EL (+)1'-0"	ELEVATION HEIGHT DESCRIPTION
BUILDING SECTION	A501	BUILDING SECTION NUMBER DRAWING NUMBER
WALL SECTION	1 A501	WALL SECTION NUMBER DRAWING NUMBER
EXTERIOR ELEVATION	1 A201	EXTERIOR ELEVATION NUMBER DRAWING NUMBER
INTERIOR ELEVATION	1 4 A201 2 3	INTERIOR ELEVATION NUMBER(S) DRAWING NUMBER
DETAIL DESIGNATION	1 A501	DETAIL NUMBER DRAWING NUMBER
ROOM DESIGNATION	ROOM NAME 100	ROOM/SPACE NAME ROOM/SPACE NUMBER
DOOR DESIGNATION	100	DOOR NUMBER IS ASSIGNED TO THE ROOM IT SWINGS INTO
WINDOW DESIGNATION	W1	WINDOW NUMBER
KEY NOTE DESIGNATION	1	NOTE NUMBER
PARTITION WALL DESIGNATION	P1	PARTITION WALL TYPE NUMBER
REVISION DESIGNATION	1	REVISION NUMBER
COLUMN LINE DESIGNATION	1	COLUMN LINE IDENTIFICATION (NUMERICAL OR ALPHABETICAL)

DRAWING LEGEND



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GENERAL INFORMATION

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G002

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CONSTRUCTION DOCUMENTS FOR
MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

A TRACT OF LAND BEING LOTS 2 AND 3 OF 1053 MEYER ROAD SUBDIVISION PLAT AND ALSO PART OF THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF SECTION 24, TOWNSHIP 47 NORTH, RANGE 1 EAST AS RECORDED IN PB 45 PG 68 OF THE RECORDERS OFFICE FOR ST. CHARLES COUNTY, MISSOURI.

LEGEND

EXISTING		PROPOSED
	UTILITY POLE	
	GUY WIRE	
	LIGHT STANDARD	
	ELECTRIC BOX	
	ELECTRIC METER	
	ELECTRIC MANHOLE	
OHE	OVERHEAD ELECTRIC LINE	OHE
UE	UNDERGROUND ELECTRIC LINE	UE
	TELEPHONE BOX	
	TELEPHONE MANHOLE	
T	UNDERGROUND TELEPHONE LINE	T
	FIRE HYDRANT	
	WATER METER	
	WATER VALVE	
	WATER MANHOLE	
W	WATER LINE	W
	GAS METER	
	GAS VALVE	
	GAS DRIP	
G	GAS LINE	G
	STREET SIGN	
	BOLLARD OR POST	
	MAILBOX	
S	SANITARY SEWER	S
	STORM SEWER	
	STORM DRAIN GRATE INLET	
	STORM DRAIN AREA INLET	
	STORM DRAIN MANHOLE	
	SANITARY SEWER MANHOLE	
	FLARED END SECTION	
X	FENCE: CHAIN LINK OR WIRE	X
	FENCE: WOOD CONSTRUCTION	
	GUARDRAIL	
513	MINOR CONTOUR INTERVAL	513
510	MAJOR CONTOUR INTERVAL	510
× 101.5	SPOT ELEVATION	× 101.50
	BUSH OR SHRUB	
	TREE W/APPROXIMATE DIAMETER SIZE	
	FOUND SURVEY MONUMENT AS NOTED	
	SET SURVEY MONUMENT AS NOTED	
D.S.	CLEAN-OUT/DOWN-SPOUT	C.O. D.S.
	SWALE	
	UTILITY EASEMENT	
	ON-SITE/OFFSITE PLAN LIMITS	

ABBREVIATIONS

ADS	- ADVANCED DRAINAGE SYSTEMS, INC.	N.T.S.	- NOT TO SCALE
ATG	- ADJUST TO GRADE	O.C.	- ON CENTER
B.M.	- BENCHMARK	PAVT.	- PAVEMENT
C.I.	- CURB INLET	P.C.	- PORTLAND CEMENT
C.O.	- CLEAN OUT	PCC	- PRECAST CONCRETE
CMP	- CORRUGATED METAL PIPE	P.S.I	- POUNDS/SQUARE INCH
CONC.	- CONCRETE	PROP.	- PROPOSED
C.Y.	- CUBIC YARDS	P.U.M.I.	- PRIVATE UNDER MSD INSPECTION
D.C.I.	- DOUBLE CURB INLET	R.C.	- REINFORCED CONCRETE
DIP	- DUCTILE IRON PIPE	R.R.	- RAIL ROAD
DIA.	- DIAMETER	RCP	- REINFORCED CONCRETE PIPE
DS	- DOWNSPOUT	S.F.	- SQUARE FOOT
ELEV.	- ELEVATION	S.Y.	- SQUARE YARD
EX	- EXISTING	SAN	- SANITARY
FD	- FLOOR DRAIN	SCH	- SCHEDULE
FF	- FINISH FLOOR	SWPPP	- STORM WATER POLLUTION
FL	- FLOW LINE	TBA	- TO BE ABANDONED
G.I.	- GRATE INLET	TBR	- TO BE REMOVED
GAL.	- GALLON	TYP.	- TYPICAL
H.G.	- HYDRAULIC GRADE	UIP	- USE IN PLACE
HYD	- HYDRANT	VCP	- VITRIFIED CLAY PIPE
MAX	- MAXIMUM	YD	- YARD DRAIN
MH	- MANHOLE	WV	- WATER VALVE
MIN	- MINIMUM		

Call Before you DIG
TOLL FREE
1-800-344-7483
MISSOURI ONE-CALL SYSTEM INC.

Underground facilities, structures & utilities have been plotted from available surveys, records & information, and therefore, do not necessarily reflect the actual existence, nonexistence, size, type, number of, or location of these facilities, structures, & utilities. The Contractor shall be responsible for verifying the actual location of all underground facilities, structures, & utilities, either shown or not shown on these plans. The underground facilities, structures, & utilities shall be located in the field prior to any grading, excavation or construction of improvements. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMO.

Call BEFORE you DIG
TOLL FREE
1-800-DIG-RITE
MISSOURI ONE-CALL SYSTEM, INC.

LOCATION MAP
1" = 500'

PROPERTY INFORMATION

EXISTING OWNER:	BH3 HOLDINGS LLC
DEVELOPER:	BH3 HOLDINGS LLC
SITE ADDRESS:	1046 & 1066 WENTZVILLE PARKWAY WENTZVILLE, MISSOURI 63385
EXISTING ZONING:	C-2 GENERAL COMMERCIAL WP WENTZVILLE PARKWAY OVERLAY DISTRICT
PROPOSED ZONING:	C-2 GENERAL COMMERCIAL WP WENTZVILLE PARKWAY OVERLAY DISTRICT
SUBJECT SITE AREA:	
LOT 2	1.20 ACRES ±
LOT 3	2.42 ACRES ±
TOTAL	3.62 ACRES ±
PROPOSED BUILDING AREA:	8,400 SF ±
FUTURE BUILDING AREA:	10,000 SF ±
WENTZVILLE PARKWAY OVERLAY DISTRICT SETBACK:	FRONT = 30' SIDE = 10' (30' ON STREET SIDE OF CORNER LOT) REAR = 30'
WATER DISTRICT:	CITY OF WENTZVILLE
FIRE PROTECTION:	WENTZVILLE FIRE PROTECTION DISTRICT
SEWER DISTRICT:	CITY OF WENTZVILLE
ELECTRIC SERVICE:	AMEREN MISSOURI ELECTRIC
NATURAL GAS SERVICE	SPIRE ENERGY
SCHOOL DISTRICT:	WENTZVILLE SCHOOL DISTRICT
COMMUNICATIONS:	SPECTRUM COMMUNICATIONS
BUILDING HEIGHT:	22'
FEMA MAP NUMBER:	FEMA FIRM 29183C0205G EFFECTIVE JANUARY 20, 2016 PROPERTY IS WITHIN ZONE X, AREA OF MINIMAL FLOOD HAZARD

GENERAL NOTES:

- ALL EXTERIOR SIGNAGE WILL CONFORM WITH THE CITY'S SIGNAGE REGULATIONS AND REQUIRE SEPARATE SIGN PERMIT APPLICATION REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- ANY EXTERIOR MECHANICAL EQUIPMENT, WHETHER ROOF OR GROUND-MOUNTED, SHALL BE SCREENED TO THE HEIGHT OF THE EQUIPMENT IN ACCORDANCE WITH THE CITY'S CODE.
- ALL EXTERIOR LIGHTING WILL COMPLY WITH THE CITY'S ADOPTED LIGHTING REGULATIONS.
- A GRADING PERMIT IS REQUIRED.
- A CONSTRUCTION PERMIT WITH THE ENGINEERING DEPARTMENT IS REQUIRED.
- RETAINING WALL REQUIRES A BUILDING PERMIT. RETAINING WALLS 4 FEET OR TALLER REQUIRE CALCULATIONS BY A LICENSED ENGINEER.
- RETAINING WALLS AND APPURTENANCES SUCH AS FOOTINGS, GEOGRID AND FENCING WILL NEED TO BE LOCATED OUTSIDE OF EASEMENTS ALONG PROPERTY LINES.
- PIPE DISCHARGES TO BE LOCATED OUTSIDE OF THE INFLUENCE OF ANY PROPOSED RETAINING WALLS

SHEET INDEX	
Sheet Number	Sheet Title
C000	COVER SHEET
C001	GENERAL NOTES
C002	BOUNDARY ADJUSTMENT PLAT
C100	DEMOLITION PLAN
C200	SITE PLAN
L-1	LANDSCAPE PLAN
L-2	LANDSCAPE SCHEDULE, SPECIFICATIONS, & DETAILS
C300	GRADING PLAN
C301	ENLARGED GRADING PLAN
C302	ENLARGED GRADING PLAN
C303	ENLARGED GRADING PLAN
C304	ENTRANCE WARPING
C400	SWPPP
C401	SWPPP DETAILS
C500	UTILITY PLAN
PH100	PHOTOMETRIC PLAN
PH101	PHOTOMETRIC SCHEDULES & DETAILS
C600	SEWER PROFILES
C700	BASIN DETAILS
C701	BASIN DETAILS
C702	BASIN CROSS SECTIONS
C800	EXISTING DRAINAGE AREA PLAN
C801	PROPOSED DRAINAGE AREA PLAN-BASIN
C802	PROPOSED DRAINAGE AREA PLAN-SEWERS
C900	DETAILS

PARKING SUMMARY									
LOT 2 & LOT 3									
Section 405.580:									
General Office: Five (5) spaces per 1,000 sq. ft. of floor area									
Lot 2									
General Office Area (Assumed 80%) =		6,720	sq. ft.						
		6,720	sq. ft.	x	5	spaces	=	34	spaces required
					1000	sq. ft.			
Required =								34	spaces required
Provided =								61	spaces provided
ADA Spaces Required =								2	ADA spaces required
ADA Spaces Provided =								3	ADA spaces provided
Lot 3									
General Office Area (Assumed 80%) =		16,000	sq. ft.						
		16,000	sq. ft.	x	5	spaces	=	80	spaces required
					1000	sq. ft.			
Required =								80	spaces required
Provided =								91	spaces provided
ADA Spaces Required =								4	ADA spaces required
ADA Spaces Provided =								4	ADA spaces provided
Total Required =								114	spaces required
Total Provided =								152	spaces provided
Total ADA spaces required =								7	spaces required
Total ADA spaces provided =								7	spaces provided

ENGENUITY
BUILDING VALUE BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 100
CHESTERFIELD, MO 63005
P: 314.801.1177
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY
E2023-037304

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

CONSTRUCTION DOCUMENTS
MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE
1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No: 24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER
03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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DATE: 03/28/25
SCALE: AS NOTED

COVER SHEET

C000

CITY OF WENTZVILLE GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF WENTZVILLE STANDARD SPECIFICATIONS AND CONSTRUCTION DETAILS, CURRENT EDITION.

2. NO CONSTRUCTION ACTIVITY SHALL COMMENCE UNTIL ALL PERMITS HAVE BEEN OBTAINED FROM THE CITY OF WENTZVILLE ENGINEERING DIVISION AND A PRE-CONSTRUCTION MEETING HAS BEEN COORDINATED WITH ENGINEERING DIVISION PERSONNEL.

3. A COPY OF OF THE CITY OF WENTZVILLE STANDARD SPECIFICATIONS AND CONSTRUCTION DETAILS, MOST CURRENT EDITION, AND A COPY OF THE APPROVED IMPROVEMENT PLANS SHALL BE ON SITE AT ALL TIMES WHILE CONSTRUCTION ACTIVITY IS OCCURING.

4. CARE SHALL BE TAKEN BY THE CONTRACTOR NOT TO CAUSE ANY SOIL, MUD, EARTH, SAND, GRAVEL, ROCK, STONE, CONCRETE, OR OTHER MATERIALS OR LIQUIDS TO BE FLUNG OR DEPOSITED, DROPPED UPON OR TO ROLL, FLOW, STAND, OR WASH UPON OR OVER ANY PUBLIC STREET, STREET IMPROVEMENT, ROAD, SEWER, STORM DRAIN, WATERCOURSE OR RIGHT-OF-WAY OR ANY OTHER PUBLIC PROPERTY IN VIOLATION OF CITY ORDINANCE NUMBER 884.

5. ALL TRAFFIC CONTROL AND BARRICADING WITHIN CITY OF WENTZVILLE RIGHT-OF-WAY SHALL CONFORM TO PARY VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION). STREET CLOSURES WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL OF THE CITY OF WENTZVILLE ENGINEERING DIVISION. ALL LANE CLOSURES SHALL BE COORDINATE WITH THE ENGINEERING DIVISION 24 HOURS IN ADVANCE.

6. MODIFICATIONS TO THE APPROVED PLANS REQUIRE REVIEW AND APPROVAL BY THE CITY OF WENTZVILLE ENGINEERING DIVISION. WORK PERFORMED WITHOUT WRITTEN APPROVAL WILL REQUIRE REMOVAL AT THE OWNER'S / CONTRACTOR'S EXPENSE.

7. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK BY CONTACTING MISSOURI ONE-CALL SYSTEM, INC. OR OTHER NECESSARY ENTITIES. HOWEVER, CONTACTING MISSOURI ONE-CALL SYSTEM DOES NOT RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITY OF CHECKING WITH THE RECORDER OF DEEDS FOR OWNER / OPERATORS OF ALL UNDERGROUND UTILITIES IN THE AREA.

Call BEFORE you DIG
TOLL FREE
1-800-DIG-RITE
MISSOURI ONE-CALL SYSTEM, INC.

MODOT IS NOT A PART OF DIG-RITE. CALL MODOT @ 314-340-4100 BEFORE DIGGING.

8. ALL GRADING ACTIVITIES SHALL COMPLY WITH THE CITY OF WENTZVILLE STANDARD SPECIFICATIONS AND CONSTRUCTION DETAILS, MOST CURRENT EDITION. ALL SEDIMENT AND EROSION CONTROL BMPS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PERMIT AND THE APPROVED STORM WATER POLLUTION PREVENTION PLAN.

9. SUFFICIENT STAKING SHALL BE PROVIDED TO ENSURE PROPER LOCATION, ALIGNMENT AND GRADE OF ALL PROPOSED IMPROVEMENTS.

10. THE CONTRACTOR OR DEVELOPER SHALL NOT DISTURB ANY EXISTING SURVEY MONUMENTS OR BENCHMARKS NOTED ON THE PLANS OR FOUND DURING CONSTRUCTION. REMOVAL AND REPLACEMENT SHALL BE DONE BY A PROFESSIONAL LAND SURVEYOR LICENSE BY THE STATE OF MISSOURI ONLY.

CITY OF WENTZVILLE GRADING NOTES:

1. CONSTRUCTION ACCESS TO SITE SHALL CONSIST OF A MINIMUM 25' X 50' TEMPORARY GRAVEL WASH DOWN AREA, LOCATED ADJACENT TO PAVEMENT. ALL TRUCKS SHALL BE WASHED DOWN PRIOR TO LEAVING SITE.

2. ALL SOFT SOILS SHOULD BE REMOVED, DOWN TO FIRM MATERIAL, PRIOR TO THE PLACEMENT OF FILL MATERIAL. THE SOFT SOILS MAY BE UTILIZED AS FILL, PROVIDED THAT THE MATERIAL IS SPREAD OUT TO DRY SUFFICIENTLY AND CAN BE COMPACTED TO THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.

3. NO SLOPE SHALL BE STEEPER THAN 3 (HORIZONTAL):1(VERTICAL). ALL SLOPES SHALL BE SODDED OR SEEDED AND MULCHED.

4. CITY SHALL BE PROVIDED WITH A COPY OF GRADING COMPACTION TESTS RESULTS. IN AREAS OF PROPOSED PAVEMENT, A MINIMUM COMPACTION TO AT LEAST 90% OF MAXIMUM DRY DENSITY, AS DETERMINED BY THE MODIFIED PROCTOR TEST, OR 95% OF MAXIMUM DRY DENSITY, AS DETERMINED BY THE STANDARD PROCTOR TEST WILL BE REQUIRED, OR AS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL SOILS REPORT.

5. ANY TRASH, DEBRIS, PAVEMENT OR FOUNDATION MATERIALS FROM ANY EXISTING OR PREVIOUS ON-SITE BUILDING, STRUCTURE, OR IMPROVEMENT MUST BE REMOVED FOR PROPER DISPOSAL OFF SITE, OR AS RECOMMENDED BY THE OWNERS LICENSED PROFESSIONAL ENGINEER.

6. ANY WELLS OR SPRINGS WHICH MAY EXIST ON THE PROPERTY SHOULD BE LOCATED. WELLS SHALL BE CAPPED AND SEALED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES, AND IN A MANNER ACCEPTABLE TO THE CITY OF WENTZVILLE. SPRINGS SHALL BE HANDLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE OWNERS LICENSED PROFESSIONAL ENGINEER.

7. ANY CONTAMINATED SOILS ENCOUNTERED DURING GRADING OPERATIONS SHALL BE HANDLED IN ACCORDANCE WITH THE OWNERS LICENSED PROFESSIONAL ENVIRONMENTAL ENGINEERING REPRESENTATIVE.

8. CONTRACTOR TO CITY WITH COPY OF GRADING COMPACTION TEST RESULTS

ENGENUITY
BUILDING VALUE
BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 447
CHESTERFIELD, MO 63005
P: 314.818.1100
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY:
2022013104

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

CONSTRUCTION DOCUMENTS

Project No: 24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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DATE: 03/28/25
SCALE: AS NOTED

BOUNDARY ADJUSTMENT OF LOTS 2 AND 3 OF 1053 MEYER ROAD SUBDIVISION PLAT

A TRACT OF LAND BEING LOTS 2 AND 3 OF 1053 MEYER ROAD SUBDIVISION AS RECORDED IN PLAT BOOK 45, PAGE 68 AND BEING PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 24, TOWNSHIP 47 NORTH, RANGE 1 EAST, ST. CHARLES COUNTY, MISSOURI

CITY CERTIFICATION:

I, Kathryn Bowman, CITY CLERK FOR THE CITY OF WENTZVILLE, MISSOURI, DO HEREBY CERTIFY THAT THE ABOVE PLAT IS IN COMPLIANCE WITH ORDINANCE NO. 1076 OF THE CITY OF WENTZVILLE, MISSOURI, I HEREBY ENDORSE SAID PLAT BY MY HAND AND SEAL OF SAID CITY THIS, ON THIS 8 DAY OF January 2025.

Kathryn Bowman

KATHRYN BOWMAN, CITY CLERK

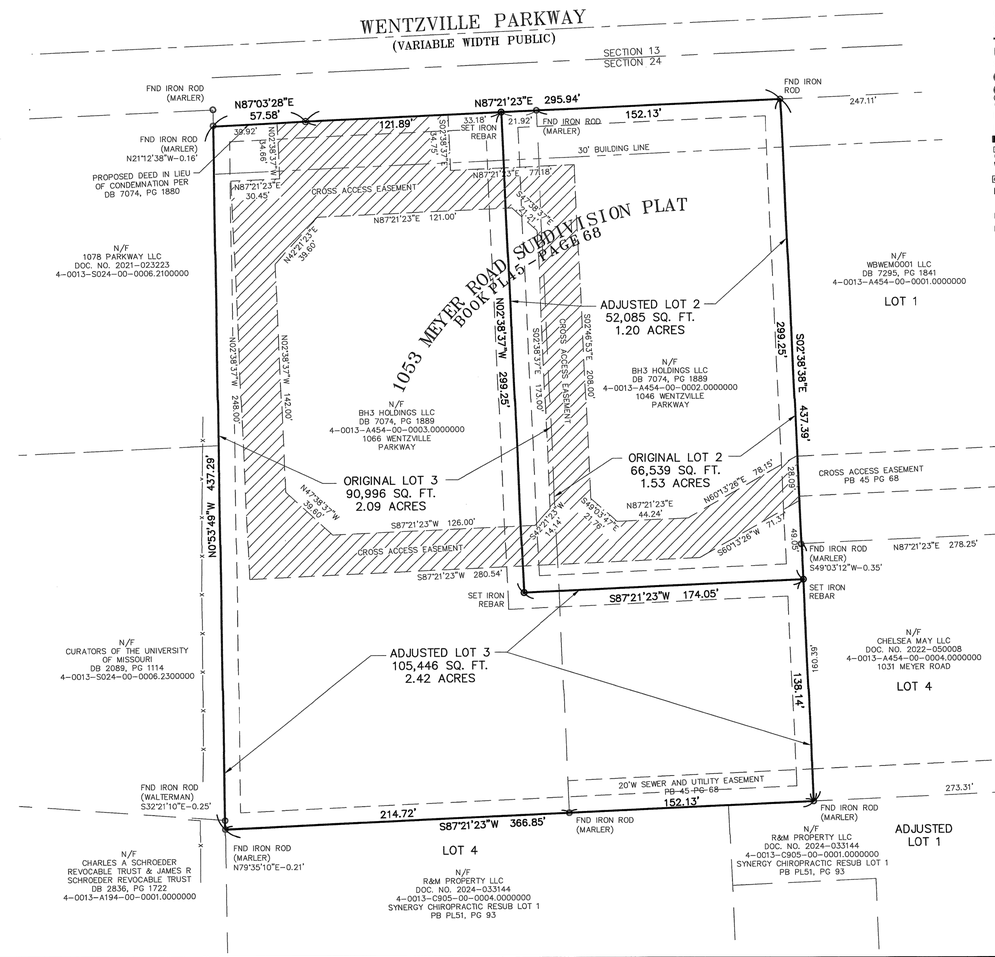
CITY OF WENTZVILLE

THIS FINAL PLAT APPROVED BY THE CITY OF WENTZVILLE COMMUNITY DEVELOPMENT DEPARTMENT

DATE: January 8, 2025

THIS APPROVAL IS BASED UPON CONFORMITY WITH THE REGULATIONS EMBODIED WITHIN THE MUNICIPAL CODE OF THE CITY OF WENTZVILLE.

2025R-001040
01/09/2025 12:39:07 PM
$ 66.00
PAGES: 1
CERTIFIED-FILED FOR RECORD
MARY E. DEMPSEY
RECORDER OF DEEDS
ST. CHARLES COUNTY, MISSOURI
BY: KJETER



W-P WENTZVILLE PARKWAY OVERLAY ZONING DISTRICT
ZONING "C-2" GENERAL COMMERCIAL

FRONT YARD SETBACK – 30 FEET
SIDE YARD SETBACK – 10 FEET
REAR YARD SETBACK – 15 FEET

1" = 40'
40 20 0 40 80
SCALE IN FEET

NORTH

GENERAL NOTES:

1. ADDRESS OF PROPERTY: 1046 & 1066 WENTZVILLE PARKWAY, WENTZVILLE, MO 63385
2. ZONING DISTRICT: "C-2" GENERAL COMMERCIAL IN "WP" WENTZVILLE PARKWAY OVERLAY
3. BASIS OF BEARINGS FOR THIS SURVEY WAS ADOPTED FROM THE MISSOURI STATE PLANE COORDINATE SYSTEM, NAD 1983, EAST ZONE.
4. THERE ARE NO BUILDINGS ON THIS PROPERTY.
5. TOTAL LAND AREA: 157,531 SF, 3.62 ACRES ±
6. A ZONING REPORT OR LETTER WAS NOT FURNISHED TO THE SURVEYOR. PURSUANT TO ITEM 6 IN TABLE A OF 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, ZONING CLASSIFICATION, REQUIREMENTS AND RESTRICTIONS MUST BE PROVIDED TO THE SURVEYOR IN THE FORM OF A REPORT OR LETTER PROVIDED BY THE CLIENT.
7. FLOOD CERTIFICATION: TO DETERMINE THE LOCATION OF FLOOD DESIGNATIONS AND BOUNDARIES, WE DETERMINED THE HORIZONTAL LOCATION OF THIS TRACT OF LAND BY SCALING THE FOLLOWING FLOOD INSURANCE RATE MAP (FIRM):

   FEMA FIRM 29183C0205G, ST. CHARLES COUNTY, MISSOURI AND INCORPORATED AREAS DATED JANUARY 20, 2016.

   THE PROPERTY IS ZONE X; AREA OF MINIMAL FLOOD HAZARD.

   THE EVALUATION PROVIDED IN THIS NOTE IS RESTRICTED TO SIMPLY INDICATING THE APPARENT HORIZONTAL LOCATION OF THE PROPERTY WITH RESPECT TO THE FEATURES DISPLAYED ON THE MAP. NO FIELD STUDY OF THE DRAINAGE CHARACTERISTICS TO WHICH THIS PROPERTY MAY BE SUBJECT TO HAS BEEN CONDUCTED AND NO REPRESENTATION CONCERNING THE INSURABILITY OF THIS PROPERTY OR THE POTENTIAL SUSCEPTIBILITY OF THIS PROPERTY TO FLOODING HAS BEEN MADE. PREMIER ENGINEERING, ARCHITECTURE & SURVEYING MAKES NO REPRESENTATION CONCERNING THE ACCURACY OF THE ABOVE LISTED REFERENCED FIRM MAP WHICH INCLUDES A NOTE THAT "THIS MAP IS FOR USE IN ADMINISTERING THE NATIONAL FLOOD INSURANCE PROGRAM. IT DOES NOT NECESSARILY IDENTIFY ALL AREA SUBJECT TO FLOODING, PARTICULARLY FROM LOCAL DRAINAGE SOURCES OF SMALL SIZE."
8. UTILITY LOCATIONS: SOURCE INFORMATION FROM PLANS AND MARKINGS WILL BE COMBINED WITH OBSERVED EVIDENCE OF UTILITIES PURSUANT TO SECTION 5.E.IV. OF THE MINIMUM STANDARDS DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. IN ADDITION, IN SOME JURISDICTIONS, 811 OR OTHER SIMILAR UTILITY LOCATE REQUESTS FROM SURVEYORS MAY BE IGNORED OR RESULT IN AN INCOMPLETE RESPONSE. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION AND/OR A PRIVATE UTILITY LOCATE REQUEST MAY BE NECESSARY.
9. THERE WAS NO OBSERVED EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS WHILE CONDUCTING THE FIELDWORK OF THIS SURVEY.
10. THERE WAS NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS WHILE CONDUCTING THE FIELDWORK OF THIS SURVEY. THE SURVEYOR IS NOT AWARE OF ANY PROPOSED CHANGES IN STREET RIGHT-OF-WAY LINES.
11. THIS PROPERTY HAS DIRECT PHYSICAL ACCESS TO WENTZVILLE PARKWAY, A DEDICATED PUBLIC STREET AND TO MEYER ROAD, A DEDICATED PUBLIC STREET VIA A CROSS ACCESS EASEMENT.
12. THIS PROPERTY IS REFERENCED IN A TITLE COMMITMENT ISSUED BY FIRST AMERICAN TITLE INSURANCE COMPANY: FILE NO. NCS-944508-OH2 WITH AN EFFECTIVE DATE OF JANUARY 28, 2019; THIS SURVEY IS SUBJECT TO THE FOLLOWING SURVEY RELATED ITEMS AS REFERENCED IN SCHEDULE B SECTION II OF THE ABOVE MENTIONED TITLE COMMITMENT.

LEGEND

- AXLE — FOUND AXLE
- CPS — FOUND SPINDLE
- MS — FOUND MAG SPIKE
- ST — FOUND STONE
- RW — FOUND ROW MARKER
- IP — FOUND IRON PIPE
- IR — FOUND IRON ROD
- FOUND CROSS
- CM — FOUND CONCRETE MONUMENT
- SET IRON REBAR – 2012007849
- S — SANITARY MANHOLE
- D — STORM DRAIN MANHOLE
- CO — CLEANOUT
- GRATE INLET
- CURB/AREA INLET
- DOUBLE GRATE INLET
- DR — DRAIN
- FLARED END SECTION
- DOUBLE CURB/AREA INLET
- GRATE INLET (SIDE INTAKE)
- GM — GAS MARKER
- FM — FIBER OPTIC MARKER
- GAS DRIP
- CATV — CABLE TV PEDESTAL
- GREASE TRAP
- BOLLARD
- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- F — FIBER OPTIC MANHOLE
- E — ELECTRIC METER
- LIGHT STANDARD
- YARD LIGHT
- MW — MONITORING WELL
- BORE OR TEST HOLE
- FIRE PROTECTION VALVE
- WATER VALVE
- W — WATER METER
- GAS VALVE
- G — GAS METER
- E — ELECTRIC UTILITY VAULT
- F — FIBER OPTIC UTILITY VAULT
- TS — TRAFFIC SIGNAL UTILITY VAULT
- W — WATER UTILITY VAULT
- C — COMMUNICATION UTILITY VAULT
- x—x— FENCE
- OHE — OVERHEAD ELECTRIC
- E — UNDERGROUND ELECTRIC
- G — EXISTING GAS
- W — EXISTING WATER
- SS — EXISTING SANITARY SEWER
- SD — EXISTING STORM SEWER
- FO — UNDERGROUND FIBER OPTIC
- P.O.C. POINT OF COMMENCEMENT
- P.O.B. POINT OF BEGINNING
- (S) SURVEYED
- (R) RECORD

OWNER'S CERTIFICATE:

THE UNDERSIGNED, OWNER(S) OF THE TRACT OF LAND HEREIN PLATTED AND FURTHER DESCRIBED IN THE FOREGOING SURVEYOR'S STATEMENT, HAVE CAUSED THE SAME TO BE SURVEYED AND SUBDIVIDED IN THE MANNER SHOWN ON THIS PLAT, WHICH SHALL HEREAFTER BE KNOWN AS "BOUNDARY ADJUSTMENT OF LOTS 2 AND 3 OF 1053 MEYER ROAD SUBDIVISION PLAT".

THE UNDERSIGNED OWNER(S) HEREBY GRANT AND DEDICATE ALL EASEMENTS SHOWN ON THE PLAT, UNLESS DESIGNATED FOR OTHER SPECIFIC PURPOSES, ARE HEREBY DEDICATED TO THE CITY OF WENTZVILLE, MISSOURI, ASSIGNS AND ALL UTILITY COMPANIES SERVING THIS AREA AS PERMITTED BY THE CITY FOR THE PURPOSE OF IMPROVING, CONSTRUCTING, MAINTAINING AND REPAIRING PUBLIC UTILITIES AND SEWER AND DRAINAGE FACILITIES WITH THE RIGHT OF TEMPORARY USE OF ADJACENT GROUNDS NOT OCCUPIED BY IMPROVEMENT FOR THE EXCAVATION AND STORAGE OF MATERIALS DURING INSTALLATION, REPAIR OR REPLACEMENT OF SAID UTILITIES, SEWERS AND DRAINAGE FACILITIES.

ALL BUILDING SETBACK LINES AS SHOWN HEREON ARE HEREBY ESTABLISHED.

BH3 HOLDINGS, LLC
BY: Mike Haight
PRINT NAME: Mike Haight
TITLE: owner
DATE: 1/9/2025

BH3 HOLDINGS LLC

STATE OF MISSOURI)
) SS
COUNTY OF ST CHARLES)

I, THE UNDERSIGNED, AUTHORITY, A NOTARY PUBLIC IN AND FOR SAID COUNTY IN SAID STATE, HEREBY CERTIFY THAT Mike Haight, WHOSE NAME IS SIGNED TO THE FOREGOING INSTRUMENT AS Owner OF BH3 Holdings LLC, AND WHO IS KNOWN TO ME, ACKNOWLEDGED BEFORE ME IN THIS DAY THAT, BEING INFORMED OF THE CONTENTS OF SAID INSTRUMENT, HE / SHE EXECUTED THE SAME VOLUNTARILY ON BEHALF OF BH3 Holdings LLC ON THE DAY THE SAME BEARS DATE.

GIVEN UNDER MY HAND AND OFFICIAL SEAL THIS THE 9th DAY OF January, 2025

IN TESTIMONY WHEREOF, I HAVE SET MY HAND AND AFFIXED MY SEAL ON THE DAY AND YEAR FIRST ABOVE WRITTEN.

MY COMMISSION EXPIRES: 5/10/27
Shauna Malloy
NOTARY PUBLIC

SHAUNA N MALLOY
NOTARY PUBLIC, NOTARY SEAL
STATE OF MISSOURI
WARREN COUNTY
COMMISSION # 23960694
MY COMMISSION EXPIRES: 05/10/2027

SCHEDULE B-II EXCEPTIONS:

1. ANY DEFECT, LIEN, ENCUMBRANCE, ADVERSE CLAIM, OR OTHER MATTER THAT APPEARS FOR THE FIRST TIME IN THE PUBLIC RECORDS OR IS CREATED, ATTACHES, OR IS DISCLOSED BETWEEN THE COMMITMENT DATE AND THE DATE ON WHICH ALL OF THE SCHEDULE B, PART I–REQUIREMENTS ARE MET.
2. RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS.
3. EASEMENTS, OR CLAIMS OF EASEMENTS, NOT SHOWN BY THE PUBLIC RECORDS.
4. ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION OR ADVERSE CIRCUMSTANCES AFFECTING TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE SURVEY OF THE LAND OR THAT COULD BE ASCERTAINED BY AN INSPECTION OF THE LAND.
5. ANY LIEN, OR RIGHT TO LIEN, FOR SERVICES, LABOR, OR MATERIAL HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS.
6. TAXES, OR SPECIAL ASSESSMENTS, IF ANY, NOT SHOWN AS EXISTING LIENS BY THE PUBLIC RECORDS.
7. THE LIEN OF THE GENERAL TAXES FOR THE YEAR 2019, AND THEREAFTER.

   GENERAL, STATE, COUNTY AND CITY TAXES AND ASSESSMENTS FOR THE YEAR 2018 IN THE AMOUNT OF $6,947.14 ARE PAID. PARCEL NO. T080100849 (LOT 2)

   GENERAL, STATE, COUNTY AND CITY TAXES AND ASSESSMENTS FOR THE YEAR 2018 IN THE AMOUNT OF $9,489.94 ARE PAID. PARCEL NO. T080100850 (LOT 3)

   GENERAL, STATE, COUNTY AND CITY TAXES AND ASSESSMENTS FOR THE YEAR 2018 IN THE AMOUNT OF $4,631.47 ARE PAID. PARCEL NO. T080100851 (LOT 4)
8. GENERAL AND/OR SPECIAL TAXES BY THE CITY OF WENTZVILLE, IF ANY.
9. SANITARY SEWER, STORM SEWER, AND UTILITY EASEMENTS, RESTRICTIONS AND SETBACK LINES AS PER PLAT, RECORDED IN PLAT BOOK 45, PAGE 68. **(AS PLOTTED)**
10. EASEMENT GRANTED THE CITY OF WENTZVILLE ACCORDING TO INSTRUMENT RECORDED IN BOOK 4950, PAGE 2471. **(AS PLOTTED)**
11. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
12. CHARGES AND ASSESSMENTS BY TRUSTEES OF SAID SUBDIVISION, SEWER SERVICE CHARGES, SEWER LATERAL CHARGES, ROADWAY MAINTENANCE ASSESSMENTS AND/OR PUBLIC WATER SUPPLY DISTRICT CHARGES AND ASSESSMENTS, IF ANY.
13. TENANCY RIGHTS, EITHER AS MONTH TO MONTH, OR BY VIRTUE OF WRITTEN LEASES OF PERSONS IN POSSESSION OF ANY PART OF THE SUBJECT PROPERTY.
14. TERMS AND CONDITIONS OF SPECIAL WARRANTY DEED BY AND BETWEEN WALGREEN CO. AND THE CITY OF WENTZVILLE, MISSOURI, DATED DECEMBER 14, 2018, RECORDED MAY 15, 2019 IN BOOK 7074, PAGE 1880. **(AS PLOTTED)**
15. TERMS AND CONDITIONS OF TEMPORARY CONSTRUCTION EASEMENT BY AND BETWEEN WALGREEN CO. AND THE CITY OF WENTZVILLE, MISSOURI, DATED DECEMBER 14, 2018, RECORDED MAY 15, 2019 IN BOOK 7074, PAGE 1880.
16. TERMS, CONDITIONS, AND RESTRICTIONS OF THE EASEMENT AGREEMENT BY AND BETWEEN WALGREEN CO. AND BH3 HOLDINGS LLC DATED MAY 14, 2019, RECORDED MAY 15, 2019 IN BOOK DE 7074, PAGE 1896
17. TERMS, CONDITIONS, AND RESTRICTIONS IN SPECIAL WARRANTY DEED FROM WALGREEN CO. TO BH3 HOLDINGS LLC DATED MAY 14, 2019, RECORDED MAY 15, 2019 IN BOOK DE 7074, PAGE 1885
18. UPON RECEIPT OF THE SEARCH RESULTS FOR TRACT 2, ADDITIONAL EXCEPTIONS OR REQUIREMENTS MAY BE ADDED TO THE COMMITMENT OR PROFORMA POLICY.

PARCEL DESCRIPTION:

A TRACT OF LAND BEING LOTS 2 AND 3 OF 1053 MEYER ROAD SUBDIVISION AS RECORDED IN PLAT BOOK 45, PAGE 68 AND BEING PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 24, TOWNSHIP 47 NORTH, RANGE 1 EAST, ST. CHARLES COUNTY, MISSOURI

LENDER'S CERTIFICATE

THE UNDERSIGNED LENDER FOR THE LAND DESCRIBED IN THE FOREGOING SURVEYOR'S CERTIFICATION, HAVE CAUSED SAID TRACT OF LAND TO BE KNOWN AS "RESUBDIVISION OF LOTS 2 AND 3 OF 1053 MEYER ROAD SUBDIVISION PLAT".

IN WITNESS WHEREOF, WE HAVE SIGNED THE FOREGOING THIS 9th DAY OF January, 2025.

MISSOURI BANK
LENDER

BY: Douglas J. Luethemeyer
NAME: Douglas J. Luethemeyer
TITLE: President

STATE OF Warren Missouri)
) SS
COUNTY OF Warren)

I, THE UNDERSIGNED AUTHORITY, A NOTARY PUBLIC IN AND FOR SAID COUNTY IN SAID STATE, HEREBY CERTIFY THAT Doug Luethemeyer, WHOSE NAME IS SIGNED TO THE FOREGOING INSTRUMENT AS President, AND WHO IS KNOWN TO ME, ACKNOWLEDGED BEFORE ME ON THIS DAY THAT, BEING INFORMED OF THE CONTENTS OF SAID INSTRUMENT, HE/SHE EXECUTED THE SAME VOLUNTARILY ON BEHALF OF The Missouri Bank ON THE DAY THE SAME BEARS DATE.

GIVEN UNDER MY HAND AND OFFICIAL SEAL THIS THE 9th DAY OF January, 2025

IN TESTIMONY WHEREOF, I HAVE SET MY HAND AND AFFIXED MY SEAL ON THE DAY AND YEAR FIRST ABOVE WRITTEN.

MY COMMISSION EXPIRES: 5/10/27
Shauna Malloy
NOTARY PUBLIC

SHAUNA N MALLOY
NOTARY PUBLIC, NOTARY SEAL
STATE OF MISSOURI
WARREN COUNTY
COMMISSION # 23960694
MY COMMISSION EXPIRES: 05/10/2027

SURVEYORS CERTIFICATION:

THIS IS TO CERTIFY THAT PREMIER DESIGN GROUP, AT THE REQUEST OF BH3 HOLDINGS, LLC, DURING THE MONTH OF NOVEMBER, 2019, PREPARED A BOUNDARY SURVEY AND DURING THE MONTH OF NOVEMBER 2024 PREPARED A BOUNDARY ADJUSTMENT PLAT OF THE ABOVE PLOTTED TRACT AND THE FACTS FOUND AT THE TIME OF SAID SURVEY ARE SHOWN HEREON TO THE BEST OF MY PROFESSIONAL ABILITY AND SAID SURVEY WAS EXECUTED IN ACCORDANCE WITH CURRENT MISSOURI STANDARDS FOR PROPERTY BOUNDARY SURVEYS FOR TYPE "URBAN" SURVEY.

DAVID W. MAXWELL, PLS#2008000726
PREMIER DESIGN GROUP
DATE:
MISSOURI C. of A. # 2012007849

STATE OF MISSOURI
DAVID MAXWELL
NUMBER PLS-2008000726
PROFESSIONAL LAND SURVEYOR

Digitally signed by David W. Maxwell
Date: 2025.01.08 08:18:15 -05'00'

THIS SURVEY HAS BEEN PREPARED SOLELY FOR THE BENEFIT OF THE PARTIES SET FORTH IN THIS SURVEYORS CERTIFICATION AND MAY NOT BE QUOTED OR RELIED UPON BY, NOR MAY COPIES BE DELIVERED TO ANY OTHER PARTY OR USED FOR ANY OTHER PURPOSE INCLUDING, WITHOUT LIMITATION, THE PREPARATION OF ZONING REPORTS OR ANY OTHER THIRD PARTY REPORTS, WITHOUT THE PRIOR WRITTEN CONSENT OF PREMIER DESIGN GROUP. PREMIER DESIGN GROUP EXPRESSLY DISCLAIMS ANY DUTY OR OBLIGATION TOWARDS ANY PARTY THAT IS NOT IDNETIFIED IN THIS SURVEYORS CERTIFICATION.

PLEASE BE ADVISED THAT PREMIER DESIGN GROUP WILL NOT INCLUDE THE PROVIDERS OF ANY THIRD PARTY REPORTS IN THE SURVEYORS CERTIFICATION.

PLAT PREPARED BY OTHERS AND IS PROVIDED FOR REFERENCE ONLY. THE ENGINEER'S SEAL ON THIS SHEET DOES NOT APPLY TO SURVEY INFORMATION.

PREMIER DESIGN GROUP
100 MIDLAND PARK DRIVE
WENTZVILLE, MO 63385

PREPARED BY:
MISSOURI CERTIFICATE OF AUTHORITY #2012007849

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

PREPARED FOR:
BH3 HOLDINGS, LLC
RESUBDIVISION PLAT OF LOTS 2 & 3 OF 1053 MEYER ROAD SUBDIVISION PLAT
1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MISSOURI 63385

DATE 11/25/2024

DESCRIPTION OF CHANGES	REVISION DATE

SHEET TITLE: BOUNDARY ADJUSTMENT

SHEET NUMBER
V1

PROJECT NO.	2408910
DRAWN BY	ES
CHECKED BY	DWM

1 OF 1

ENGENUITY
BUILDING VALUE BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 210
CHESTERFIELD, MO 63005
P: 314.469.1177
WWW.ENGENUITYSTL.COM
MISSOURI CERTIFICATE OF AUTHORITY: E2008131.004

CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE
1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No: 24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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DATE:	03/28/25
SCALE:	AS NOTED

BOUNDARY ADJUSTMENT PLAT

C002

V:\ALT-PC\Projects\2024\2408910_BH3_Wentzville MO_Boundary Adjustment Plat\SURVEY\CAD FILES\ RECORD PLAT\2408910 Re-Sub Plat.dwg

KEYED NOTES

1. FULL DEPTH SAWCUT TO THE NEAREST JOINT
2. REMOVE SIDEWALK
3. REMOVE AND RELOCATE FIRE HYDRANT
4. REMOVE TEMPORARY SLOPE DRAIN AND RISER PIPE AFTER PERMANENT STORM SEWER CONSTRUCTION.

GENERAL NOTES

A. THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS.

B. THE EXISTING SITE CONDITIONS AND TOPOGRAPHY SHOWN ARE FROM A SITE SURVEY AS PREPARED BY PREMIER DESIGN GROUP; DATED MARCH 2019.

C. IF CONTRACTOR DETERMINES THAT ACTUAL EXISTING CONDITIONS DIFFER FROM THAT SHOWN ON THESE PLANS, CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER BEFORE COMMENCING AND DEMOLITION OR CONSTRUCTION WORK.

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MISSOURI CERTIFICATE OF AUTHORITY:
E2023-017304

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

CONSTRUCTION DOCUMENTS

Project No: 24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
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NUMBER PE-2009018679
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03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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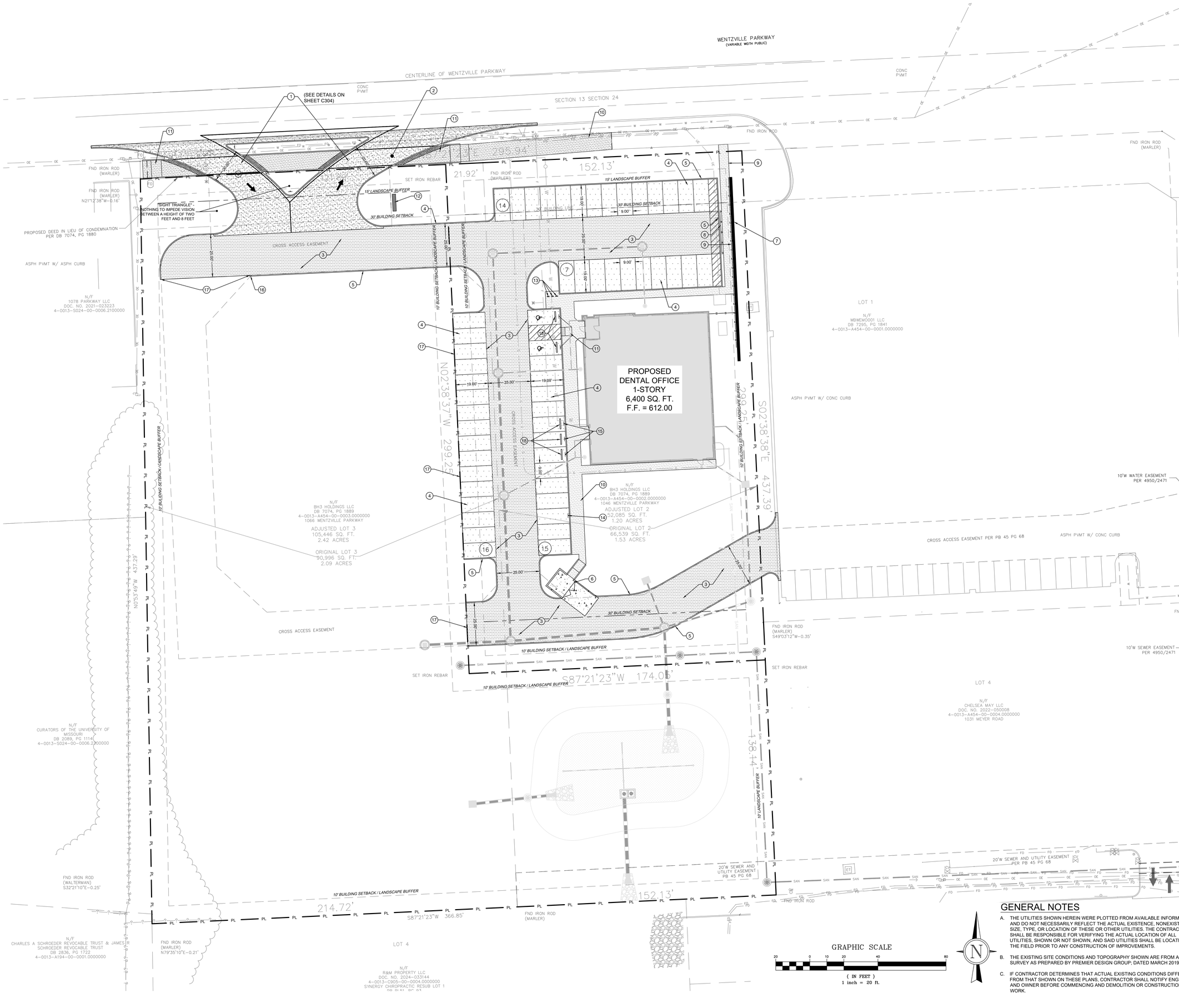
DATE: 03/28/25
SCALE: AS NOTED

DEMOLITION PLAN

C100



KEYED NOTES

1. RIGHT-IN/RIGHT-OUT ENTRANCE PER MODOT STANDARDS
2. CONCRETE PAVEMENT (SEE DETAIL #1 ON SHEET C900)
3. MEDIUM DUTY ASPHALT PAVEMENT (SEE DETAIL #2 ON SHEET C900)
4. LIGHT DUTY ASPHALT PAVEMENT (SEE DETAIL #3 ON SHEET C900)
5. 6" CONCRETE VERTICAL CURB (SEE DETAIL #4 ON SHEET C900)
6. TRASH ENCLOSURE AND CONCRETE PAVEMENT
7. RETAINING WALL (DESIGN BY OTHERS) (SEE DETAIL #5 ON SHEET C900)
8. GUARDRAIL
9. 4'H. FENCE (SEE DETAIL #6 ON SHEET C900)
10. CONCRETE SIDEWALK (SEE DETAIL #7 ON SHEET C900)
11. ADA RAMP
12. MONUMENT SIGN (EXACT SIGN, LOCATION TO BE COORDINATED)
13. BIKE RACK (SEE DETAIL #8 ON SHEET C900)
14. 'RESERVED FOR SEDATED PATIENT PICK-UP' SIGN
15. 'ADA' SIGN
16. TAPER CURB FROM 6"H TO 0"H IN 1'
17. EDGE OF PAVEMENT (NO CURB)
18. WHEEL STOP

GENERAL NOTES

A. THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS.

B. THE EXISTING SITE CONDITIONS AND TOPOGRAPHY SHOWN ARE FROM A SITE SURVEY AS PREPARED BY PREMIER DESIGN GROUP; DATED MARCH 2019.

C. IF CONTRACTOR DETERMINES THAT ACTUAL EXISTING CONDITIONS DIFFER FROM THAT SHOWN ON THESE PLANS, CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER BEFORE COMMENCING AND DEMOLITION OR CONSTRUCTION WORK.

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PREPARED FOR:
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CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No:		24-0330
No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER
03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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DATE:	03/28/25
SCALE:	AS NOTED

SITE PLAN

C200

"Little MO" says
CALL BEFORE YOU DIG!
1-800-DIG-RITE

A UNDERGROUND UTILITIES AND OSHA SAFETY NOTE:

Underground utilities and structures have been plotted from available information and therefore, their location must be considered approximate only. It is the responsibility of the individual contractors to notify the utility companies before actual construction. All O.S.H.A. rules and regulations established for the type of construction required by these plans shall be strictly followed (ie, trenching, blasting, etc.)

0 30 60 90 feet

SCALE: 1" = 30'

PLEASE NOTE:

- COORDINATE LANDSCAPE PLAN w/ IRRIGATION PLAN (By Others). IRRIGATION PLAN TO BE IRRIGATED PER THE WENTZVILLE PARKWAY OVERLAY DISTRICT STANDARDS.
- ALL LANDSCAPING TO BE PERMANENTLY MAINTAINED IN GOOD CONDITION w/ AT LEAST THE SAME QUALITY & THE SAME QUANTITY OF LANDSCAPING AS ORIGINALLY INSTALLED & APPROVED.
- ALL LAWN AREAS TO BE SODDED w/ HIGH QUALITY FESCUE SOD (See Notes)
- ALL PLANTING SHOWN ON THIS PLAN IS CONSIDERED "PHASE ONE LANDSCAPE"; LANDSCAPING REQUIRED FOR THE CORE AREA OF LOT 3 WILL BE SUBMITTED SEPARATELY FOR APPROVAL BEFORE THE PROPERTY IS DEVELOPED.
- BECAUSE MUCH OF THE AREA ON BOTH SIDES OF THE PROPERTY LINE THAT SEPARATES LOT 2 and LOT 3 CANNOT BE PLANTED FOR BUFFERING, ADDITIONAL TREES HAVE BEEN ADDED ALONG ALL FOUR OUTER PROPERTY LINES AS AN ALTERNATIVE.

TYPICAL SITE TRIANGLE

NOTE:
ALL SHRUBS/PERENNIALS TO BE MAINTAINED @ 24" MAXIMUM HEIGHT WITHIN SIGHT TRIANGLE AREAS

LANDSCAPE REQUIREMENTS:

GENERAL:
- ALL DECIDUOUS SHADE TREES SHALL BE A MIN. OF 2.5" CALIPER
- ALL EVERGREEN TREES SHALL BE A MIN. OF SIX (6') FEET HEIGHT
- ALL LANDSCAPE HEDGES/SHRUBS SHALL BE A MIN. OF (18") INCHES HEIGHT
- NO SHRUB SHALL EXCEED THREE (3') FEET IN HEIGHT WITHIN TEN (10') FEET OF DRIVE OPENINGS
- A MINIMUM OF TEN (10) SQ. FT. OF INTERIOR LANDSCAPED ISLANDS IS REQUIRED PER EACH PKG. SPACE

STREET TREES:
- ONE (1) STREET TREE PER THIRTY FIVE (35) LIN. FT. FRONTAGE ALONG R.O.W.
  - STREET FRONTAGE ALONG WENTZVILLE PARKWAY = 358.52 LF MINUS 108.09 LF FOR DRIVE OPENING = 248.43 LIN. FT., THEREFORE,
    REQUIRED NO. OF STREET TREES = 8
    STREET TREES PROVIDED = 8

SHRUBS @ R.O.W.:
- TEN (10) SHRUB PER FORTY (40) LIN. FT. FRONTAGE ALONG R.O.W.
  - STREET FRONTAGE ALONG WENTZVILLE PARKWAY = 248.43 LF
    REQUIRED NO. OF SHRUBS = 62
    SHRUBS PROVIDED = 62

TREES @ SIDE/REAR PROPERTY LINES:
- ONE (1) DECIDUOUS TREE PER ONE HUNDRED (100) LIN. FT. OF SIDE / REAR PROPERTY LINES
  - TOTAL LIN. FT. OF NEST PROPERTY LINE = 497.24
    REQUIRED NO. OF DECIDUOUS TREES = FIVE (5)
    TREES PROVIDED = FIFTEEN (15)
  - TOTAL LIN. FT. OF EAST PROPERTY LINE = 497.38
    REQUIRED NO. OF DECIDUOUS TREES = FIVE (5)
    TREES PROVIDED = TEN (10)
  - TOTAL LIN. FT. OF SOUTH PROPERTY LINE = 366.85
    REQUIRED NO. OF DECIDUOUS TREES = FOUR (4)
    TREES PROVIDED = FOURTEEN (14)

SHRUBS @ FOUNDATION WALLS (LOT 2 ONLY):
- ONE (1) SHRUB PER FIVE (5) LIN. FT. @ PUBLICLY VIEWED WALLS
  - PROPOSED BUILDING - Lot 2: TOTAL LIN. FT. OF WALL = 414.50 LIN. FT.
    REQUIRED NO. OF SHRUBS = 83
    SHRUBS PROVIDED = 90
  - PROPOSED FUTURE BUILDING - UNKNOWN AT THIS TIME
    NOTE: TREE / SHRUB PLANTING AT FUTURE BUILDING TO BE INSTALLED AT TIME OF CONSTRUCTION

PARKING LOT INTERIOR AREA:
- A MINIMUM OF TEN (10) SQUARE FEET OF INTERIOR LANDSCAPE AREA PER EACH PARKING SPACE.
  - TOTAL PARKING SPACES: 56 THEREFORE, A MINIMUM OF 560 SQUARE FEET OF LANDSCAPE AREA IS REQUIRED. THIS PLAN PROVIDES A TOTAL OF 4,938 SQUARE FEET OF INTERIOR LANDSCAPE.

WENTZVILLE PARKWAY

LOT 3
FUTURE
MEDICAL OFFICE
BUILDING
2-STORY
10,000 SQ. FT.
FOOTPRINT
F.F. = 612.00
EX. LOT 3
90,996 SQ. FT.
2.09 ACRES

LOT 2
1.22 ACRES
PROPOSED
DENTAL OFFICE
1-STORY
8,400 SQ. FT.
F.F. = 612.00
EX. LOT 2
66,539 SQ. FT
1.53 ACRES

LOT 1
77,460 SQ. FT.
1.78 ACRES

1053 MEYER ROAD
SUBDIVISION PLAT
BOOK PL45, PAGE 68

N87°03'28"E 201.38'
N87°21'23"E 295.94'
N03°32'49"W 437.29'
S87°21'23"W 640.16'
214.72'
152.13'
S02°38'37"E 45.00'
160.39'

REVISIONS	BY
10/25/2024	RAM

Landscape TECHNOLOGIES
67 Jacobs Creek Drive
St. Charles, Missouri 63304
(636) 420-1250
MO Landscape Architectural Corporation #2005008192

STATE OF MISSOURI
REGISTERED LANDSCAPE ARCHITECT
MARDIS
NUMBER 019

RANDALL K. MARDIS
MISSOURI LANDSCAPE ARCHITECT #2005008

DATE: 10/25/2024

PLANTING PLAN FOR THE PROPOSED
1046-1066 WENTZVILLE PARKWAY
WENTZVILLE, MISSOURI 63385

DRAWN
R. MARDIS
CHECKED
RAM/EL
DATE
9/27/2024
SCALE
1"=30'-0"
JOB No.
2025-143
SHEET
L-1
OF TWO SHEETS

LANDSCAPE GUIDELINE SPECS:

GENERAL:

1.) All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment usage. Contractor shall at all times protect all materials and work against injury to public.
2.) The landscape contractor shall be responsible for any coordination and sequencing with other site related work being performed by other contractors. Refer to additional drawings for further coordination of work to be done.
3.) Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the landscape contractor's responsibility to determine or verify the existence of and exact location of the above (Call 1-800-DIG-RITE in Missouri).
4.) Plant material are to be planted in the same relationship to grade as was grown in nursery conditions. All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before planting of plants. Plant groundcover to within 12" of trunk of trees or shrubs planted within the area.
5.) It shall be the landscape contractor's responsibility to:
   A.) Verify all existing and proposed features shown on the drawings prior to commencement of work.
   B.) Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
   C.) Stake the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect ten (10) days prior to installation.
6.) Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify all quantities and conditions prior to implementation of this plan. No substitutions of types or size of plant materials will be accepted without written approval from the landscape architect.
7.) Provide single-stem trees unless otherwise noted in plant schedule.
8.) All plant material shall comply with the recommendations and requirements of ANSI Z60.1 "American Standards for Nursery Stock".
9.) It shall be the contractor's responsibility to provide for inspection of the plant material by the Landscape Architect (or Owners' Representative) prior to acceptance. Inspections may take place before, during or after installation. Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscape contractor's expense.
10.) All bids are to have unit prices listed. The Owner has the option to delete any portion of the contract prior to signing the contract or beginning work. This will be a unit price contract; quotes shall be valid for 12 months.
11.) Should auger equipment be utilized in excavating any plant pits, vertical sides of plant pits shall be thoroughly scarified to avoid creation of "polished side walls" prior to plant material installation.
12.) All excess topsoil, rocks, debris and/or tainted soils shall be removed by the general contractor prior to point project is turned over to the landscape contractor to commence landscape installation.
13.) Transplanted material will not be guaranteed by the landscape contractor.
14.) Keep all plant material (except turf) a minimum of 36" clear of fire hydrants.
15.) Landscape contractor shall kill & remove all existing weeds within the project site.
16.) All tags, nursery stakes, labels, etc. shall be removed by the landscape contractor at completion of all landscape installation.
17.) Landscape contractor shall be in compliance with all federal, state and local laws / regulations relating to insect infestation and/or plant diseases.

PRUNING:

1.) Lightly prune trees at time of planting. Prune only the crossover limbs, intermingled leaders and/or any broken branches. Some interior twigs and lateral branches may be pruned. However, do not remove the terminal buds of branches that extend to the edge of the crown.
2.) All pruning shall comply with ANSI A300 standards.

INSURANCE:

1.) The landscape contractor shall submit certificates of insurance for workman's compensation and general liability.

MULCH:

1.) All mulch to be shredded oak bark mulch at 3" depth (after compaction) unless otherwise noted. Mulch shall be clean and free of all foreign materials, including weeds, mold, deleterious materials, etc.
2.) No plastic sheeting or filter fabric shall be placed beneath shredded bark mulch beds. Mirafi fabric shall be used beneath all gravel mulch beds.
3.) Edge all beds with spade-cut edge unless otherwise noted.

MAINTENANCE:

1.) Landscape Contractor shall provide a separate proposal to maintain all plants, shrubs, groundcover, perennials and annuals for a period of 12 months after acceptance.
2.) Contractor shall ensure that only competent and trained personnel shall provide such services and that such services be provided in a timely manner.

SIGHT TRIANGLES:

1.) No landscape material or other obstructions shall be placed or be maintained within the sight distance area so as not to impede the vision between a height of thirty inches (30") and ten feet (10') above the adjacent street or paving surfaces.
2.) Sight triangles at the intersection of a public street and a private access way (except for single family residences) shall also be formed by measuring from the point of intersection of the street frontage curbs and the entrance curb lines a distance of 25' and connecting the points so established to form the sight triangle area.

TURF:

1.) All disturbed lawn areas to be sodded with a high quality freshly cut Turf-Type fescue sod. Lawn areas shall be unconditionally warranted for a period of ninety (90) days from date of acceptance. Bare areas more than one square foot per any 50 square feet shall be replaced.
2.) The turf contractor shall be responsible for protection of finished grade; restore and repair any erosion or water damage and obtain owners' approval prior to seeding or sod installation.
3.) Sod shall be cut at a uniform thickness of 3/4". No broken pieces, irregular pieces or torn pieces will be accepted.
4.) All sod shall be placed a maximum of 24 hours after harvesting.
6.) Recondition existing lawn areas damaged by Contractor's operations including equipment/material storage and movement of vehicles.
7.) Sod Contractor to ensure sod is placed below sidewalk and all paved area elevations to allow for proper drainage.

TOPSOIL:

1.) Topsoil mix for all proposed landscape plantings shall be five (5) parts well-drained screened organic topsoil to one (1) part Canadian sphagnum peat moss as per planting details. Roto-till topsoil mix to a depth of 6" minimum and grade smooth.
2.) Provide a soil analysis, as requested, made by an independent soil-testing agency outlining the % of organic matter, inorganic matter, deleterious material, pH and mineral content.
3.) Any foreign topsoil used shall be free of roots, stumps, weeds, brush, stones (larger than 1"), litter or any other extraneous or toxic material. Landscape contractor shall be fully responsible for correcting all negative soil issues prior to plant installation. Killing and removal of all weeds shall be the responsibility of the landscape contractor as part of this task.
4.) Landscape contractor to apply pre-emergent herbicide to all planting beds upon completion of planting operations and before application of shredded bark mulch.
5.) Install siltation controls prior to commencement of any grading operations. Inspect and maintain all siltation fences on a weekly basis until vegetation is established.

MISC. MATERIAL:

1.) Provide stakes and deadmen of sound, new hardwood, free of knotholes and defects.
2.) Tree wrap tape shall be 4" minimum, designed to prevent borer damage and winter freezing. Additionally, only 3-ply tying material shall be used.

WARRANTY:

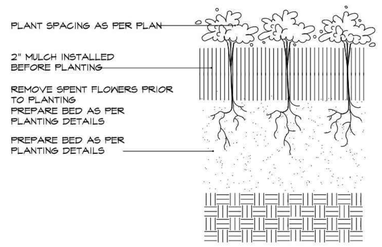
1.) All plant material (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after complete installation of all landscape material at 100% of the installed price.
2.) Any plant material found to be defective shall be removed and replaced within 30 days of notification or in growth season determined to be best for that plant.
3.) Only one replacement per tree or shrub shall be required at the end of the warranty period, unless loss is due to failure to comply with warranty.
4.) Lawn establishment period will be in effect once the lawn has been mowed three times. Plant establishment period shall commence on the date of acceptance and 100% completion.
5.) A written guarantee shall be provided to the owner per conditions outlined in #1 above.

IRRIGATION:

1.) All planting beds and lawn areas are to be irrigated with a fully automatic, in-ground irrigation system (By Others).
2.) System shall be designed for 30 gpm @ 80 PSI. Contractor to field verify actual conditions.
3.) Exact tap, backflow and controller location to be coordinated with owner or owner's representative.
4.) All control wiring to be 14 ga. Minimum 3 extra strands to be installed in each direction from the controller to the end of the mainline.
5.) All piping to be sleeved in SCH40 PVC when passing under hardscape. PVC Sleeve to be a minimum of twice the size of pipe(s) running through.
6.) Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the irrigation contractor's responsibility to determine or verify the existence of and exact location of the above (Call 1-800-DIG-RITE).
7.) It shall be the irrigation contractor's responsibility to:
   A.) Verify all existing and proposed features shown on the drawings prior to commencement of work.
   B.) Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.

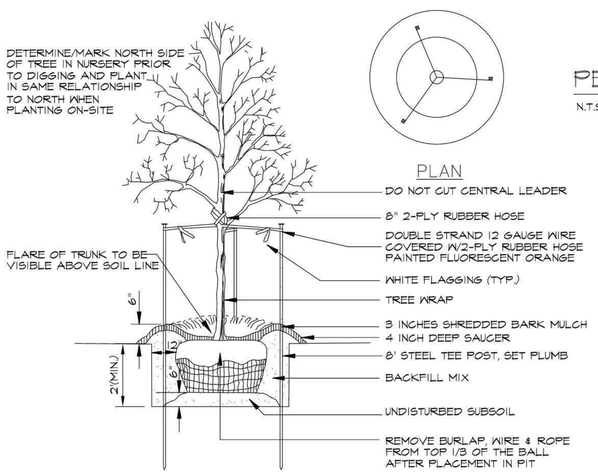
PLANT SCHEDULE

CODE	QTY	COMMON / BOTANICAL NAME	SIZE
TREES			
ALE	2	ATHENA LACEBARK ELM / ULMUS PARVIFOLIA 'EMER I'	2.5"CAL
EAEH	3	EMERALD AVENUE EUROPEAN HORNBEAM / CARPINUS BETULUS 'EMERALD AVENUE' TM	2.5"CAL
GL	3	GREENSPIRE LITTLELEAF LINDEN / TILIA CORDATA 'GREENSPIRE'	2.5"CAL.
HM	3	HEDGE MAPLE / ACER CAMPESTRE	2.5"CAL
SSMM	3	MIYABEI MAPLE / ACER MIYABEI 'STATE STREET'	2.5"CAL.
SRO	2	SHUMARD RED OAK / QUERCUS SHUMARDII	2.5"CAL
SWO	3	SWAMP WHITE OAK / QUERCUS BICOLOR	2.5"CAL.
WO	3	WILLOW OAK / QUERCUS PHELLOS	2.5"CAL.
RSM	5	'RED SUNSET' MAPLE / ACER RUBRUM 'FRANKSRED'	2.5"CAL
SHL	7	'SKYLINE' LOCUST / GLEDITSIA TRIACANTHOS 'SKYLINE'	2.5"CAL.
EVERGREEN TREES			
CBS	7	COLORADO BLUE SPRUCE / PICEA PUNGENS 'GLAUCA'	6'-7'
NS	7	NORWAY SPRUCE / PICEA ABIES	6'-7'
FLOWERING TREES			
JTL	4	IVORY SILK JAPANESE TREE LILAC / SYRINGA RETICULATA 'IVORY SILK'	2.5"CAL.
MRB	2	MERLOT REDBUD / CERCIS X 'MERLOT'	2.5"CAL.
PFC	1	PRAIRIEFIRE CRABAPPLE / MALUS 'PRAIRIEFIRE'	2"CAL.
SHRUBS			
BDPL	23	BLOOMERANG DWARF PURPLE LILAC / SYRINGA X 'SMNJRPU' TM	5 GAL.
CH	7	CHINA BOY/GIRL HOLLY / ILEX MESERVEAE 'CHINA BOY/GIRL' TM	5 GAL
DJY	13	DENSE JAPANESE YEW / TAXUS CUSPIDATA 'DENSIFORMIS'	18"-24"
GBIH	10	GEM BOX INKBERRY HOLLY / ILEX GLABRA 'GEM BOX'	5 GAL.
GTJ	35	GOLD TIP JUNIPER / JUNIPERUS CHINENSIS 'GOLD TIP'	5 GAL.
LLE	4	LEMONY LACE ELDERBERRY / SAMBUCUS RACEMOSA 'SMNSRD4' TM	5 GAL.
LQFH	14	LITTLE QUICK FIRE HYDRANGEA / HYDRANGEA PANICULATA 'LITTLE QUICK FIRE'	5 GAL
LSMA	6	LOW SCAPE MOUND CHOKEBERRY / ARONIA MELANOCARPA 'LOW SCAPE MOUND'	5 GAL
MPHYD	6	MINI PENNY HYDRANGEA / HYDRANGEA MACROPHYLLA 'MINI PENNY'	5 GAL
RCA	25	ROSE CREEK ABELIA / ABELIA X GRANDIFLORA 'ROSE CREEK'	5 GAL
SIS	5	SCENTLANDIA SWEETSPIRE / ITEA VIRGINICA 'SMNIVDFC' TM	5 GAL.
BS	26	SPRINTER® LITTLELEAF BOXWOOD / BUXUS MICROPHYLLA 'BULTHOUSE'	5 GAL.
SSH	6	STRAWBERRY SUNDAE HYDRANGEA / HYDRANGEA PANICULATA 'STRAWBERRY SUNDAE'	5 GAL
FORBS			
CI	91	COPPER IRIS / IRIS FULVA 'LOUISIANA'	2 QT. @ 18" OC
SMW	143	SWAMP MILKWEED / ASCLEPIAS INCARNATA	2 QT. @ 24" OC
GRASSES			
CALA	7	FOERSTER'S REED GRASS / CALAMAGROSTIS ACUTIFOLIA 'KARL FOERSTER'	5 GAL
ANNUALS/PERENNIALS			
LGC	33	LITTLE GOLDSTAR CONEFLOWER / RUDBECKIA FULGIDA SULLIVANTII 'LITTLE GOLDSTAR'	1 GAL
VL	19	VARIEGATED LIRIOPE / LIRIOPE MUSCARI 'VARIEGATA'	1 GAL
SYMBOL	QTY	COMMON / BOTANICAL NAME	SIZE
NATIVE GRASSES			
	94	BROWN FOX SEDGE / CAREX VULPINOIDEA	PLUG AT 18" OC
	218	GREAT GREEN BULRUSH / SCIRPUS ATROVIRENS	PLUG AT 18" OC
	122	MORNING STAR SEDGE / CAREX GRAYI	PLUG AT 18" OC
	183	PALM SEDGE / CAREX MUSKINGUMENSIS	PLUG AT 18" OC



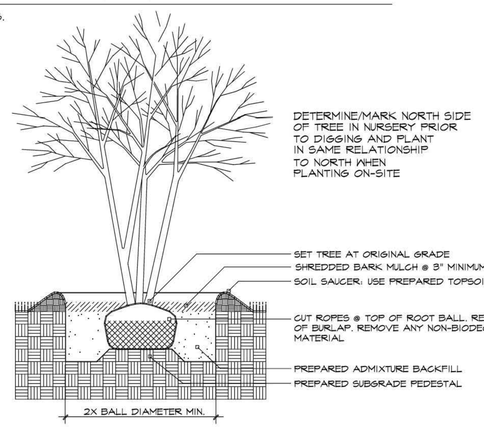
PERENNIAL PLANTING

N.T.S.



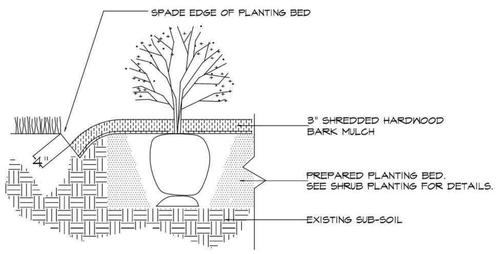
DECIDUOUS TREE PLANTING

N.T.S.



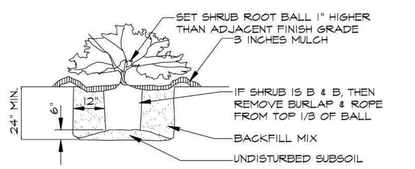
MULTI-STEM TREE PLANTING

N.T.S.



SPADE-CUT EDGE DETAIL

N.T.S.



PRUNE ANY BROKEN BRANCHES AFTER PLANTING. DAMAGED SHRUBS OR BROKEN / CRUMBLING ROOT BALLS WILL BE REJECTED.

SHRUB PLANTING

N.T.S.

REVISIONS	BY
10/25/2024	RAM

Landscape TECHNOLOGIES
67 Jacobs Creek Drive
St. Charles, Missouri 63304
MO Landscape Architectural Corporation #2006006192

RANDALL K. MARDIS
MISSOURI LANDSCAPE ARCHITECT #2006014
DATE: 10/25/2024

PLANTING PLAN FOR THE PROPOSED
1046-1066 WENTZVILLE PARKWAY
WENTZVILLE, MISSOURI 63385

DRAWN	R. MARDIS
CHECKED	RKM/EL
DATE	9/27/2024
SCALE	N.A.
JOB No.	2023-148
SHEET	L-2
	OF TWO SHEETS

SEE SHEET C304 FOR ENTRANCE WARPING

PROPOSED
DENTAL OFFICE
1-STORY
6,400 SQ. FT.
F.F. = 612.00

GENERAL NOTES

A. THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS.

B. THE EXISTING SITE CONDITIONS AND TOPOGRAPHY SHOWN ARE FROM A SITE SURVEY AS PREPARED BY PREMIER DESIGN GROUP; DATED MARCH 2019.

C. IF CONTRACTOR DETERMINES THAT ACTUAL EXISTING CONDITIONS DIFFER FROM THAT SHOWN ON THESE PLANS, CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER BEFORE COMMENCING AND DEMOLITION OR CONSTRUCTION WORK.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

ENGENUITY
BUILDING VALUE
BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 417
CHESTERFIELD, MO 63005
P: 314.439.1757
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY:
E2023-017304

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

CONSTRUCTION DOCUMENTS

Project No: 24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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DATE:	03/28/25
SCALE:	AS NOTED

GRADING PLAN

C300

SEE SHEET C304 FOR ENTRANCE WARPING

PROPOSED DENTAL OFFICE 1-STORY 6,400 SQ. FT. F.F. = 612.00

N/F 1078 PARKWAY LLC DOC. NO. 2021-023223 0013-S024-00-0006.2100000

N/F BH3 HOLDINGS LLC DB 7074, PG 1889 4-0013-A454-00-0003.0000000 1066 WENTZVILLE PARKWAY

ADJUSTED LOT 3 105,446 SQ. FT. 2.42 ACRES

ORIGINAL LOT 3 90,996 SQ. FT. 2.09 ACRES

N/F BH3 HOLDINGS LLC DB 7074, PG 1889 4-0013-A454-00-0002.0000000 1046 WENTZVILLE PARKWAY

ADJUSTED LOT 2 52,085 SQ. FT. 1.20 ACRES

ORIGINAL LOT 2 66,539 SQ. FT. 1.53 ACRES

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GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)

1 inch = 10 ft.

ENGENUITY
BUILDING VALUE
BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 400
CHESTERFIELD, MO 63005
P: 314.394.1177
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY:
2022001577-2024

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No:		24-0330
No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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03/28/25
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DATE:	03/28/25
SCALE:	AS NOTED

ENLARGED GRADING PLAN

C301

ET C304 FOR
CE WARPING

PROPOSED
DENTAL OFFICE
1-STORY
6,400 SQ. FT.
F.F. = 612.00

FF = 612.00

FF = 611.17

N/F
BH3 HOLDINGS LLC
DB 7074, PG 1889
4-0013-A454-00-0002.0000000
1046 WENTZVILLE PARKWAY

ADJUSTED LOT 2
52,085 SQ. FT.
1.20 ACRES

ORIGINAL LOT 2
66,539 SQ. FT.
1.53 ACRES

N/F
BH3 HOLDINGS LLC
DB 7074, PG 1889
4-0013-A454-00-0003.0000000
1066 WENTZVILLE PARKWAY

ADJUSTED LOT 3
105,446 SQ. FT.
2.42 ACRES

ORIGINAL LOT 3
90,996 SQ. FT.
2.09 ACRES

N/F
WBWEMO001 LLC
DB 7295, PG 1841
4-0013-A454-00-0001.0000000

ASPH. PVMT. W/ CONC. CURB

LOT 1

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

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MISSOURI CERTIFICATE OF AUTHORITY:
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CONSTRUCTION DOCUMENTS

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1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

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No	Description	Date
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DATE:	03/28/25
SCALE:	AS NOTED

ENLARGED
GRADING PLAN

C302

GENERAL NOTES

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GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

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2022021704

PREPARED FOR:
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CONSTRUCTION DOCUMENTS

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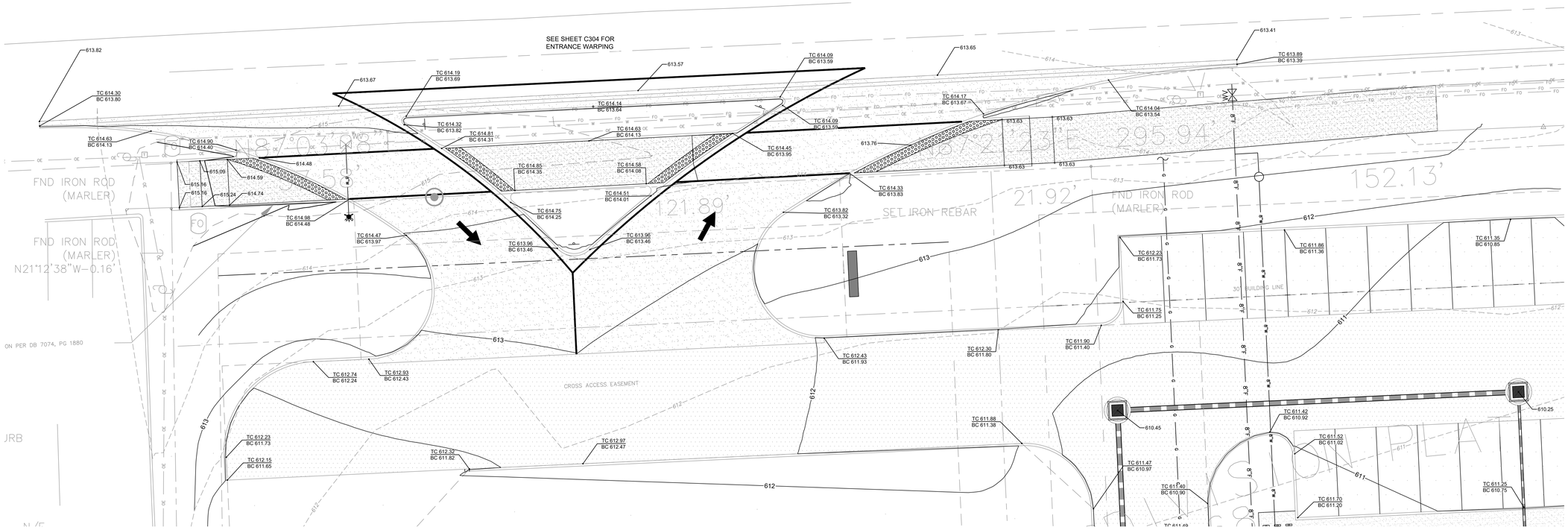
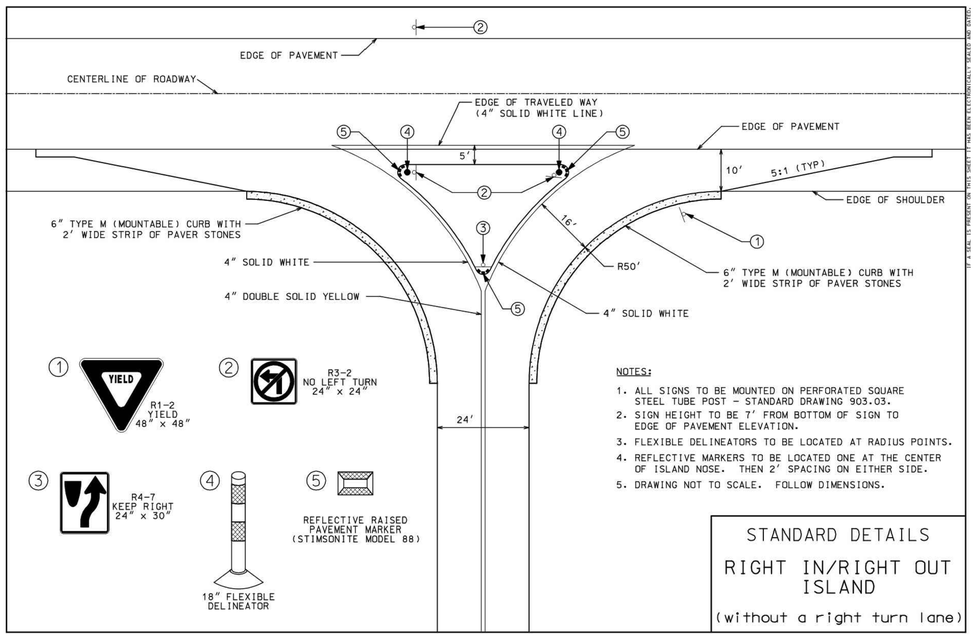
DATE:	03/28/25
SCALE:	AS NOTED

ENLARGED
GRADING PLAN

C303





NOTES:

1. ALL SIGNS TO BE MOUNTED ON PERFORATED SQUARE STEEL TUBE POST - STANDARD DRAWING 903.03.
2. SIGN HEIGHT TO BE 7' FROM BOTTOM OF SIGN TO EDGE OF PAVEMENT ELEVATION.
3. FLEXIBLE DELINEATORS TO BE LOCATED AT RADIUS POINTS.
4. REFLECTIVE MARKERS TO BE LOCATED ONE AT THE CENTER OF ISLAND NOSE. THEN 2' SPACING ON EITHER SIDE.
5. DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

STANDARD DETAILS

RIGHT IN/RIGHT OUT ISLAND

(without a right turn lane)

IF A SEAL IS PRESENT ON THIS SHEET, IT HAS BEEN ELECTRONICALLY SEALED AND DATED

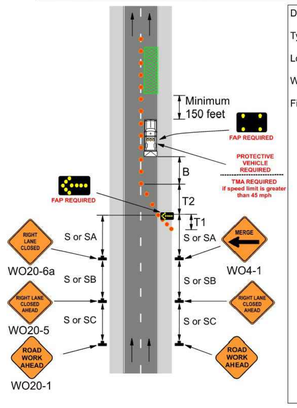
616.8.33S (TA-33S) Stationary Lane Closure on a Multi-Lane Highway

SPEED	SIGN SPACING (ft.)	TAPER LENGTH (ft.)		RECOMMENDED BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
Permanent Posted (mph)	Divided (S)	Shoulder (1) (T1)	Lane (2) (T2)		Tapers	Buffer/ Work Areas
0-35	200	70	245	250	35	40
40-45	500	150	540	360	40	80
50-55	1000	185	660	495	50	80
60-70	SA - 1000 SB - 1500 SC - 2640	235	840	730	60	120

1. Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.

TYPE OF ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' Portable 7' Post	1 Mi.
RURAL DIVIDED	1' Portable 7' Post	2 Mi.

Channelizer · Flashing Arrow Panel (FAP) · Protective Vehicle · Sign · Work Space · Truck or Trailer Mounted Attenuator (TMA)



Date:

Type of Work:

Location:

Work Zone Specialist:

Field Notes:

9/2023

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

GENERAL NOTES

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ENGENUITY
BUILDING VALUE
CIVIL · STRUCTURAL · SURVEY
17057 N. OUTER FORTY ROAD
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CHESTERFIELD, MO 63005
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WWW.THEENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY:
E2023.017534

PREPARED FOR:
S&P REALTY HOLDINGS, LLC.
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No:	24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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DATE:	03/28/25
SCALE:	AS NOTED

ENTRANCE WARPING

C304

CONSTRUCTION ENTRANCE / WASHDOWN STATION

SEE SHEET C901 FOR ENTRANCE WARPING

CONSTRUCTION PARKING

INLET PROTECTION

PROPOSED
DENTAL OFFICE
1-STORY
6,400 SQ. FT.
F.F. = 612.00

INLET PROTECTION

INLET PROTECTION

INLET PROTECTION

SILT FENCE

10' BUILDING SETBACK / LANDSCAPE BUFFER

CENTERLINE OF WENTZVILLE PARKWAY

WENTZVILLE PARKWAY
(VARIABLE WIDTH PUBLIC)

SECTION 13 SECTION 24

CROSS ACCESS EASEMENT PER PB 45 PG 68

10'W WATER EASEMENT PER 4955/2471

10'W SEWER EASEMENT PER 4950/2471

30' BUILDING LINE

MEYER ROAD
(PRIVATE ROAD)

SANITARY MANHOLE
TOP=633.14
FLN=593.27

STORM MANHOLE
TOP=598.72
FLN=588.17
FLS=588.67
FLW=588.10

CURB INLET
TOP=598.31

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY:
E2023-01-004

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MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

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SEAN M. ACKLEY
NUMBER
PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
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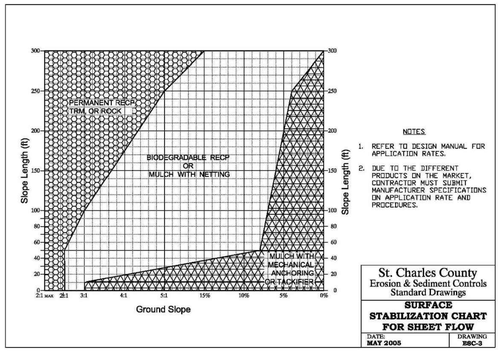
DATE: 03/28/25
SCALE: AS NOTED

SWPPP

C400



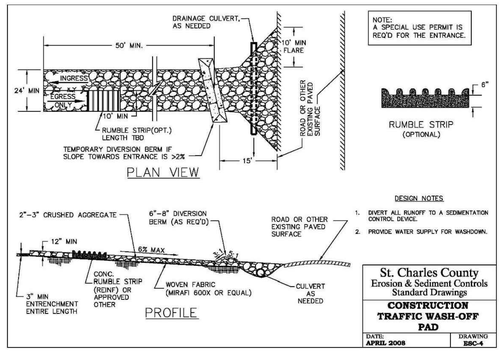
NOTES

1. REFER TO DESIGN MANUAL FOR APPLICATION RATES.
2. DUE TO THE DIFFERENT PRODUCTS ON THE MARKET, CONTRACTOR MUST SUBMIT MANUFACTURERS SPECIFICATIONS ON APPLICATION RATE AND PROCEDURES.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

SURFACE STABILIZATION CHART FOR SHEET FLOW

DATE: MAY 2005 | DRAWING ESC-3



NOTE:
A SPECIAL USE PERMIT IS REQ'D FOR THE ENTRANCE.

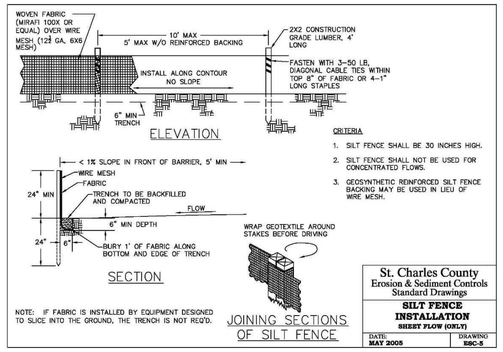
DESIGN NOTES

1. DIVERT ALL RUNOFF TO A SEDIMENTATION CONTROL DEVICE.
2. PROVIDE WATER SUPPLY FOR WASHDOWN.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

CONSTRUCTION TRAFFIC WASH-OFF PAD

DATE: APRIL 2008 | DRAWING ESC-4



NOTE: IF FABRIC IS INSTALLED BY EQUIPMENT DESIGNED TO SLICE INTO THE GROUND, THE TRENCH IS NOT REQ'D.

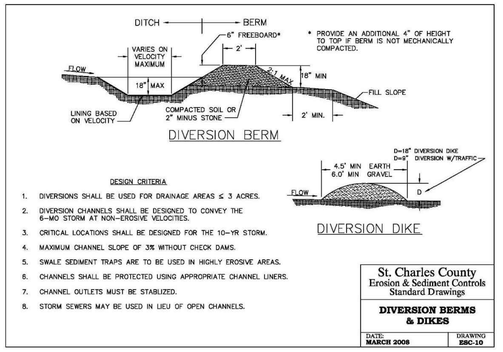
CRITERIA

1. SILT FENCE SHALL BE 30 INCHES HIGH.
2. SILT FENCE SHALL NOT BE USED FOR CONCENTRATED FLOWS.
3. GEOSYNTHETIC REINFORCED SILT FENCE BACKING MAY BE USED IN LIEU OF WIRE MESH.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

SILT FENCE INSTALLATION
SHEET FLOW (OIL?)

DATE: MAY 2005 | DRAWING ESC-5



* PROVIDE AN ADDITIONAL 4" OF HEIGHT TO TOP IF BERM IS NOT MECHANICALLY COMPACTED.

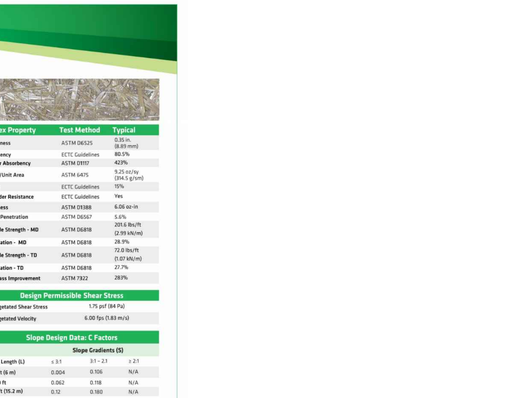
DESIGN CRITERIA

1. DIVERSIONS SHALL BE USED FOR DRAINAGE AREAS ≤ 3 ACRES.
2. DIVERSION CHANNELS SHALL BE DESIGNED TO CONVEY THE 6-MO STORM AT NON-EROSIVE VELOCITIES.
3. CRITICAL LOCATIONS SHALL BE DESIGNED FOR THE 10-YR STORM.
4. MAXIMUM CHANNEL SLOPE OF 3% WITHOUT CHECK DAMS.
5. SWALE SEDIMENT TRAPS ARE TO BE USED IN HIGHLY EROSIVE AREAS.
6. CHANNELS SHALL BE PROTECTED USING APPROPRIATE CHANNEL LINERS.
7. CHANNEL OUTLETS MUST BE STABILIZED.
8. STORM SEWERS MAY BE USED IN LIEU OF OPEN CHANNELS.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

DIVERSION BERMS & DIKES

DATE: MARCH 2008 | DRAWING ESC-10



SLOPE DRAIN SIZE	
Drainage Area (ac)	Pipe Dia.
< 1.0	12"
< 2.0	15"
< 3.0	18"
< 4.0	21"
< 5.0	24"
< 6.5	27"
6.5–10	30"

NOTE:

1. PIPE CAN BE CMP, PVC, FLEXIBLE TUBING, OR SIMILAR.
2. THIS METHOD MUST BE USED IN CONJUCTION WITH OTHER ESC DEVICES. THIS IS NOT A STAND ALONE CONTROL DEVICE.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

TEMPORARY SLOPE DRAIN

DATE: APRIL 2008 | DRAWING ESC-23

RIPRAP SIZE & APRON DIMENSION								
PIPE SIZE	VELOCITY < 5 FPS				VELOCITY < 10 FPS			
	ROCK SIZE		APRON DIM		ROCK SIZE		APRON DIM	
	dia	class	T	L	dia	class	T	L
(inch)	(inch)	(inch)	(inch)	(ft)	(inch)	(inch)	(inch)	(ft)
12	5	9	15	12	5	9	15	16
15	5	9	15	14	5	9	15	18
18-24	5	9	15	16	9	14	24	20
27-30	5	9	15	18	9	14	24	22
36-42	9	14	24	22	12	18	27	26
48-54	9	14	24	26	12	18	27	30
60-66	12	18	27	34	15	24	30	38
72-84	15	24	30	42	15	24	30	46
96	18	27	30	50	18	27	30	54

dia - NOMINAL DIAMETER
class - MAXIMUM DIAMETER
T - THICKNESS
L - LENGTH

DESIGN CRITERIA

1. FROUDE NUMBER MUST BE ≤ 2.50.
2. USE 3 TIMES PIPE DIAMETER FOR DOWNSTREAM CHANNEL WIDTH IF THERE IS NO DEFINED CHANNEL.
3. BANK PROTECTION HEIGHT TO BE 2/3 TIMES PIPE DIAMETER.
4. ROCK SLOPES SHALL BE NO STEEPER THAN 2:1.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

TEMPORARY OUTLET PIPE DISCHARGE PROTECTION

DATE: MARCH 2008 | DRAWING ESC-26

Table 60-7 Temporary Fall Seeding

Plant Species	Rate [1] (lb/acre)	Seeding Times
Side-Oats	65	8/16 – 9/30
Winter Rye	50	8/01 – 10/15
Winter Wheat	60	8/01 – 10/15
Orchard Grass	120	8/01 – 10/15
Perennial Ryegrass	80	8/01 – 10/15
Tall fescue, Smooth Brome	80	8/01 – 10/15
K-31 Fescue	120	9/01 – 11/15
Ladino Clover	2 [2]	8/15 – 9/15
Crimson Clover	6 [2]	8/15 – 9/15
Orchard Grass and Oats or Rye	15 [2] 40 [2]	8/15 – 9/15

[1] If using aerial seeding or other broadcast method to apply seed without rolling or culti-packing, increase seeding rates by 50 percent.

[2] Pure live seed (PLS)

Table 60-8 Temporary Spring Seeding

Plant Species	Rate [1] (lb/acre)	Seeding Dates
Winter Rye	50	3/15 – 5/31
Spring Oats	65	3/15 – 5/31
Annual Ryegrass	4 [2]	3/15 – 6/15
Sudangrass	16 [2]	4/15 – 6/15
K-31 Fescue	30 [2]	3/15 – 5/31
Red Clover & Oats	2 [2] 30 [2]	3/15 – 5/31

[1] If using aerial seeding or other broadcast method to apply seed without rolling or culti-packing, increase seeding rates by 50 percent.

[2] Pure live seed (PLS)

Table 60-5 Soil Stabilization Schedule

Soil Disturbance Activity or Condition	Required Stabilization Time
Soil disturbance has ceased in areas greater than 2,000 square feet.	14 days
After construction of dikes, swales, diversions, and other concentrated flow areas	5 days
When slopes are steeper than 3 horizontal to1 vertical	7 days
When slopes are greater than 3% and longer than 150 feet.	14 days
Perimeter controls around soil stockpiles.	End of workday
Stabilization or covering of inactive stockpiles.	30 days
When land disturbance is completed, permanent soil stabilization must be installed.	30 days

Table 60-6 Soil Amendment Rates

Soil Amendment Material		Application Rate (Lb per Acre)
Fertilizer	Nitrogen (N)	30 [1]
	Phosphate (P_2O_5)	90 [1]
	Potash (K_2O)	90 [1]
Lime		1,000 [2]

[1] Increase the rate by 25% for slopes steeper than 5:1.
[2] Rate is in effective neutralizing material (ENM) units.

Table 60-9 Mulching Materials

Material	Rate	Requirements	Installation/Uses
Straw	1.5-2.5 tons/ac (3-4 tons, if roller punched)	Dry, unchopped, unweathered; free of weed seeds & rot.	Spread by machine 1.5-2.5 inches deep; must be tacked or tied down.
Compost Blanket	1" thick	Double the application rate for embankments	Follow manufacturer's application method.
Wood fiber, wood cellulose, paper	1-2 tons/ac	Double the application rate in critical areas	Use with power mulcher or hydroseeder; may be used to tack straw on steep slopes. Cannot be used in hot dry weather.

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

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P: 314.394.1700
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MISSOURI CERTIFICATE OF AUTHORITY
E2005107.004

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No:	24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M. ACKLEY
MEMBER
PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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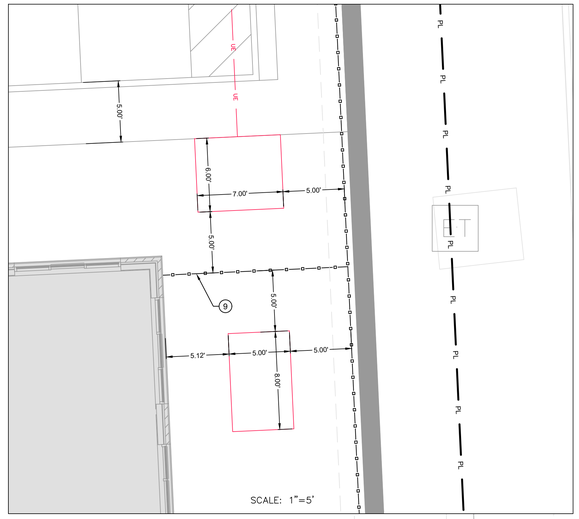
DATE:	03/28/25
SCALE:	AS NOTED

SWPPP DETAILS

C401

KEYED NOTES

1. STORM SEWER (TYP.)
2. 6" PVC SANITARY LATERAL @ 2% MIN.
3. DOMESTIC WATER LINE
4. FIRE LINE
5. ELECTRIC LINE (COORDINATE TIE-IN LOCATION W/ AMEREN AND MEP DWGS.)
6. ELECTRIC TRANSFORMER (COORDINATE W/ AMEREN & MEP DWGS.)
7. GENERATOR (CURRENLY SHOWN AS 5'X8', ACTUAL SIZE TBD) (COORDINATE W/ MEP DWGS.)
8. GAS SERVICE PER SPIRE SPECIFICATIONS
9. SIGHT PROOF FENCE W/ GATE
10. UNDERDRAIN SYSTEM
11. BIO-RETENTION
12. NEW POLE PER AMEREN



PROPOSED DENTAL OFFICE 1-STORY 6,400 SQ. FT. F.F. = 612.00

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GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

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MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

CONSTRUCTION DOCUMENTS

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SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER
03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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DATE:	03/28/25
SCALE:	AS NOTED

UTILITY PLAN

C500

WENTZVILLE PARKWAY
(VARIABLE WIDTH PUBLIC)

28+00 30+00 31+00 32+00

FUTURE
MEDICAL OFFICE
BUILDING
2-STORY
10,000 SQ. FT.
FOOTPRINT
F.F. = 612.00

, LOT 3 ,
1.22 ACRES
PROPOSED
DENTAL OFFICE
1-STORY
8,400 SQ. FT.
F.F. = 612.00

"SA" MH: 9'-0"
"SB" MH: 22'-6"
"SC" MH: 22'6"
"SD" MH: 22'-6"

PROPOSED
BIO-RETENTION

PROPOSED STORM
WATER DETENTION

PHASE II
FUTURE ADDITION
2,248 SQ. FT.

PROPOSED BUILDING
5,422 SQ. FT.=1ST LEVEL
1,100 SQ. FT.=2ND LEVEL
6,522 SQ. FT. TOTAL
F.F.=601.50

CONSTRUCTION LIMITS
(TYP)

DRIVE THRU

STOP

GENERAL NOTES - PHOTOMETRIC

1. REFER TO SHEET PH101 FOR CALCULATION SUMMARY, DETAILS, AND FIXTURE SPECIFICATIONS. LIGHT FIXTURE MOUNTING HEIGHT IS SHOWN AT EACH FIXTURE LOCATION ON THIS SHEET.
2. ALL EXTERIOR LIGHTING POLES AND FIXTURES, INCLUDING THOSE MOUNTED UPON THE BUILDING, SHALL BE BLACK IN ACCORDANCE WITH THE CITY'S ADOPTED CODE.

SITE PLAN - PHOTOMETRIC

SCALE: 1/16" = 1'-0"

ENGENUITY
BUILDING VALUE BY DESIGN
17057 N. OUTER FORTY ROAD
CHESTERFIELD, MO 63005
PHONE: (636) 530-9730
FAX: (636) 530-9731
WWW.THEENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY: ENGINEERING LC 2004

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

SITE PLAN
1046 & 1066
WENTZVILLE PARKWAY
WENTZVILLE, MO. 63385

Project No: 24-0330

No	Description	Date

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STATE OF MISSOURI
MARCUS ECKSTEIN
NUMBER PE-2010017810
PROFESSIONAL ENGINEER
09/27/2024

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DATE:	09/27/24
SCALE:	AS NOTED

SITE PLAN - PHOTOMETRIC

PH100

Project		Catalog #		Type	
Prepared by		Notes		Date	

McGraw-Edison

GLEON Galleon

Area / Site Luminaire

Product Features

LuminAire Technology · Light-Activated™ · BAA

Product Certifications

DLC · DLC Premium · 3G VIB · IP66 · CertMark · IDA · YEAR

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 4
- Product Specifications page 4
- Energy and Performance Data page 4
- Control Options page 9

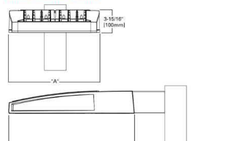
Quick Facts

- Lumen packages range from 4,200 - 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt
- Options to meet Buy American and other domestic preference requirements

Connected Systems

- WaveLinx
- Enlighted

Dimensional Details



Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Extended Arm Length [1]	"C" Quick Mount Arm Length	"D" Quick Mount Extended Arm Length
1-4	15-1/2"	7"	10"	10-5/8"	16-9/16"
5-6	21-5/8"	7"	10"	10-5/8"	16-9/16"
7-8	27-5/8"	7"	13"	10-5/8"	--
9-10	33-3/4"	7"	16"	--	--

NOTES:
For arm selection requirements and additional line set, see Mounting Details section.

NOTES:
1. Visit http://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

McGraw-Edison

GLEON Galleon

Ordering Information

SAMPLE NUMBER: **GLEON-SA4C-740-U-T4FT-GM**

Product Family [1, 2]	Light Engine: Configuration	Light Engine: Drive Current	Color Temperature	Voltage	Distribution	Mounting	Finish
GLEON-Galleon **IGA**-GLEON-Galleon, IGA American Act Compliant [3] **TAA-GW**-Galleon, Trade Agreements Act Compliant [4]	**SA**-1 Square **SA2**-2 Squares **SA3**-3 Squares **SA4**-4 Squares **SA5**-5 Squares **SA6**-6 Squares **SA7**-7 Squares [5] **SA8**-8 Squares [5] **SA9**-9 Squares [5] **SA0**-10 Squares [5]	**A**-600mA **B**-800mA **C**-1000mA [6] **D**-1200mA [6]	**727**-700K, 2700K **730**-700K, 3000K **735**-700K, 3500K **740**-700K, 4000K **750**-700K, 5000K **760**-700K, 6000K **827**-850K, 2700K **830**-850K, 3000K **840**-850K, 4000K	**U**-120-277V **1**-120V **2**-208V **3**-240V **4**-277V **5**-480V [7, 8] **6**-347V **7**-UNIV 480V Duratruk Drivers [7, 8, 9]	**T2**-Type II **T2R**-Type II Roadway **T3**-Type III **T3R**-Type III Roadway **T4FT**-Type IV Forward Throw **T4W**-Type IV Wide **SWQ**-Type V Narrow **SMQ**-Type V Square Medium **SWQ**-Type V Square Wide **SLL**-Type V Left Lumenaire **SLR**-Type V Right Lumenaire **SLA**-Type V w/Spill Control **ELL**-90° Spill Light Eliminator Left **ELR**-90° Spill Light Eliminator Right **RW**-Rectangular Wide Type I **AFL**-Automotive Frontline	(**Blank**)-Arm for Round or Square Pole **EA**-Extended Arm [9] **WA**-Wall Arm Adapter [9] **QM**-Quick Mount Arm (Standard Length) [9] **QMEA**-Quick Mount Arm (Extended Length) [9]	**AP**-Grey **BZ**-Bronze **BK**-Black **DP**-Dark Platinum **GM**-Graphite Metallic **WH**-White **RAL5X**-Custom Color

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) [10]
DIM-External 0-10V Dimming Leads [11, 12] P-Single Fused (120, 277 or 347V Specify Voltage) **PI**-Double Fuse (208, 240 or 480V Specify Voltage) **SRM**-Series SRM UL 1449 Surge Protective Device **2L**-Two Circuit [13] **HSS**-Single Height Sensor [14] **HSSD**-Installed Houside Side Shield [9] **GBSBK**-Glare Reducing Shield, Black [9] **GBSWH**-Glare Reducing Shield, White [9] **LLF**-Light Square Trim Painted to Match Housing [9] **RRD**-Factory Rotated 90° Right **NT**-Factory Installed Mesh Top **CC**-Coastal Construction finish [15] **CCOR**-Coastal Construction finish with added corrosion protection [15] **LWA**-Factory Installed Wireless Sensor, Wide Lens for 8'-16' Mounting Height [16, 17] **LWN**-Factory Installed Wireless Sensor, Narrow Lens for 16'-40' Mounting Height [16, 17] **DALI**-DALI Driver [18]	**BPC**-Button Type Photocontrol **PR**-NEMA 3-Pin Receptacle **PR7**-NEMA 7-PIN Photocontrol Receptacle [19] **SPR2**-Dimming Occupancy Sensor with Bluetooth Interface, 8' - 20' Mounting [20] **SPR4**-Dimming Occupancy Sensor with Bluetooth Interface, 21' - 40' Mounting [20] **MS-L8**-Motion Sensor for ON/OFF Operation, 8' - 20' Mounting Height [20] **MS-L40**-Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [20] **MLS-L20**-BLE Level Motion Sensor, 8' - 20' Mounting Height [20, 21] **MLS-L40**-BLE Level Motion Sensor, 21' - 40' Mounting Height [20, 21] **MLSD08-L20**-Motion Sensor for Dimming Operation, 8' - 20' Mounting Height [20, 21] **MLSD08-L40W**-Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [20, 21] **ZW**-WaveLinx-enabled 4-PIN Twistlock Receptacle [22] **ZW-3WPSXSX**-WaveLinx Pro, Dimming Motion and Daylight, Bluetooth Programmable, 8' - 20' Mounting [20, 23] **ZW-WXBSXX**-WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 8' - 20' Mounting [20, 23] **ZL-WXBSXX**-WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 8' - 20' Mounting [20, 23] **ZW-3WPSXSX**-WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 8' - 20' Mounting [20, 23] **ZL-3WPSXSX**-WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 21' - 40' Mounting [20, 23] **LWN**-LW-Enlighted Sensor, 8' - 16' Mounting Height [24] **LWW**-LW-Enlighted Sensor, 8' - 40' Mounting Height [24] **DIM10-WDLW-L20**-Synapse Occupancy Sensor (<8' Mounting) [25] **DIM10-WDLW-L30**-Synapse Occupancy Sensor (9'-20' Mounting) [25] **DIM10-WDLW-L40**-Synapse Occupancy Sensor (21'-40' Mounting) [25]	**GA/BA1016**-NEMA Photocontrol Multi-Tap -105-285V **GA/BA1027**-NEMA Photocontrol - 480V **GA/BA1201**-NEMA Photocontrol - 347V **GA/BA1013**-Photocontrol Shorting Cap **GA/BA13014**-120V Photocontrol **GA/BA1208**-NEMA Photocontrol Replacement **MA1030-XX**-Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1032-XX**-(2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1033-XX**-(3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1035-XX**-(4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**-(2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1039-XX**-(3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1041-XX**-(4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1033X-XX**-(3@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1035X-XX**-(2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1037X-XX**-(3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1103-XX**-(4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1105-XX**-(2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1107-XX**-(3@90° Tenon Adapter for 3-1/2" O.D. Tenon **FSIR-100**-Wireless Configuration Tool for Occupancy Sensor [26] **GLEON-MT1**-Field Installed Mesh Top for 1-4 Light Squares **GLEON-MT2**-Field Installed Mesh Top for 5-6 Light Squares **GLEON-MT3**-Field Installed Mesh Top for 7-8 Light Squares **GLEON-MT4**-Field Installed Mesh Top for 9-10 Light Squares **GLEON-QM**-Quick Mount Arm Kit [9] **GLEON-QMEA**-Quick Mount Extended Arm Kit [9] **LSIGBS**-Field Installed House Side Shield [9] **LSIGBSBK**-Glare Reducing Shield, Black [9, 27] **LSIGBSWH**-Glare Reducing Shield, White [9, 27] **LLFGPS**-Perimeter Shield, Black [9] **WSLC-YP-10A**-WaveLinx Outdoor Control Module [28, 29] **WDB-XX**- WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 8' - 20' Mounting [28, 30] **WSF-XX**- WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [28, 30] **3WPDXSX**-WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 8' - 20' Mounting [28, 30] **3WPDL-XX**- WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [28, 30]

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L-LumenSafe Technology	**D**-Standard Dome Camera **W**-Hi-Res Dome Camera **Z**-Telenice PTZ Camera	**C**-Cellular, No SIM **G**-Cellular, AT&T **V**-Cellular, Verizon **R**-Cellular, Sprint	**B**-Cellular, Rogers **E**-Wi-Fi Networking w/ Omni-Directional Antenna **I**-Ethernet Networking

NOTES:
1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP53001EN for additional support information.
2. Consult factory for other combinations. Some may require lead times longer than standard. Refer to our Energy and Performance Data for details.
3. Coastal construction finish salt spray tested to over 5,500 hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with HSS or MS-L8 or MS-L40 sensors.
4. Not compatible with extended quick mount arm (QMEA).
5. Not compatible with extended quick mount arm (QMEA).
6. Requires the use of an internal step down transformer when combined with certain sensor options. Not available with sensor at 1200mA.
7. Requires the use of an internal step down transformer when combined with certain sensor options or some grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems.)
8. Not available with two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm-mounting requirement table.
9. Factory installed.
10. Field installed. Sold separately.
11. Maximum 6 light squares.
12. Requires 2W or 2S receptacle.
13. Requires 2W or 2S receptacle.
14. Not available with 480V, 347V or MLSD or MLSW at 347V or 480V. Or, in SA2 through SA4 requires a larger housing, normally used for SA5 or SA6. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm-mounting requirement table.
15. Coastal construction finish salt spray tested to over 5,500 hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with HSS or MS-L8 or MS-L40 sensors.
16. Not available with Enlighted wireless sensors.
17. Cannot be used with other control options.
18. Not available with sensor options. Refer to Outside Driver.
19. Not available if any "WX" sensor is selected. Motion sensor has an integral photocell.
20. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
21. Not for use with T4FT, T4W or SLA optics. See IESTM30-15 for more information.
22. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative or Cooper Lighting Solutions for more information.
23. Replace X with number of Light Squares operating in low output mode.
24. Enlighted wireless sensors are factory installed only requiring network components in appropriate quantities.
25. White sensor shipped on all housing color options.
26. Not available with HSS or DRS options.
27. Not for use with SHQ, SHQ, SHQ or RW optics. A back trim plate is used when HSS is selected.
28. Not available with 480V, MLSD, MLSW, SPR, PR or PR7 options. Available on 120-277V only.
29. One required for each Light Square.
30. Requires PR7.
31. Requires 2W with sensor value (9W, BZ or BK).
32. WAC Gateway required to enable field configurability. Order WAC-PoE and WPOE-12S (12V to PoE injector) power supply if needed.
33. Smart device with mobile application required to change system defaults. See controls section for details.
34. Not compatible with these designated prefixes as built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Consult factory for further information.

FIXTURE TYPES SB, SC, AND SD

Project		Catalog #		Type	
Prepared by		Notes		Date	

McGraw-Edison

GWC Galleon Wall

Wall Mount Luminaire

Product Features

Light-Activated™ · BAA

Product Certifications

DLC · DLC Premium · IDA · CertMark · FC · 3G VIB · IP66 · YEAR

Interactive Menu

- Ordering Information page 2
- Product Specifications page 2
- Optical Configurations page 3
- Energy and Performance Data page 4
- Control Options page 6

Quick Facts

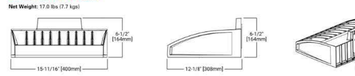
- Choice of thirteen high-efficiency, patented AccuLED Optics
- Downward and inverted wall mounting configurations
- Eight lumen packages from 3,215 up to 17,056
- Efficacies up to 154 lumens per watt

Connected Systems

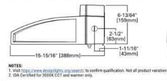
- WaveLinx
- Enlighted

Dimensional Details

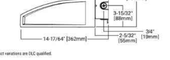
Net Weight: 17.0 lbs (7.7 kgs)



GWC with CBP option installed
(Thru Branch Back Box accessory MA1059XX)



GWC with accessory BB/GWCXX Back box installed



NOTES:
1. Visit http://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

McGraw-Edison

GWC Galleon Wall

Ordering Information

SAMPLE NUMBER: **GWC-SA2C-740-U-T4FT-GM**

Product Family [1]	Light Engine: Configuration	Light Engine: Drive Current	Color Temperature	Voltage	Distribution	Finish
GWC-Galleon Wall **BAA-GWC**-Galleon Wall, Buy American Act Compliant [2] **TAA-GWC**-Galleon Wall, Trade Agreements Act Compliant [3]	**SA**-1 Square **SA2**-2 Squares [4]	**A**-415mA **B**-600mA **D**-1200mA [5]	**727**-700K, 2700K **730**-700K, 3000K **735**-700K, 3500K **740**-700K, 4000K **750**-700K, 5000K **760**-700K, 6000K **827**-850K, 2700K **830**-850K, 3000K **840**-850K, 4000K	**U**-120-277V **1**-120V **2**-208V **3**-240V **4**-277V **5**-480V [6, 7] **6**-347V **7**-UNIV 480V Duratruk Drivers [6, 7, 8]	**T2**-Type II **T3**-Type III **T4FT**-Type IV Forward Throw **T4W**-Type IV Wide **SLA**-Type V w/Spill Control **SLL**-Type V Left Lumenaire **SLR**-Type V Right Lumenaire **RW**-Rectangular Wide Type I **SWQ**-Type V Square Narrow **SMQ**-Type V Square Medium **SWQ**-Type V Square Wide	**AP**-Grey **BZ**-Bronze **BK**-Black **DP**-Dark Platinum **GM**-Graphite Metallic **WH**-White

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) [9]
P-Single Fused (120, 277 or 347V Must Specify Voltage) PI-Double Fused (208, 240 or 480V, Must Specify Voltage) **SRM**-Series SRM UL 1449 Surge Protective Device **2L**-Two Circuit Light Engine [10] **DIM**-External 0-10V Dimming Leads [6, 9] **CBP**-Battery Pack with Back Box, Cold-Weather Rated [6, 9, 10, 11] **CBP-CEC**-Battery Pack with Back Box, Cold Weather Rated, CEC Compliant [6, 9, 10, 11] **BB**-Shipped with Back Box Accessory [10] **LNS**-Optics Rotated 90° Left **RRD**-Optics Rotated 90° Right **HSS**-Factory Installed House Side Shield [9] **GBSBK**-Factory Installed Glare Shield, Black [9, 12] **GBSWH**-Factory Installed Glare Shield, White [9, 12] **LPL**-Uplight Housing [13] **LLF**-Light Square Trim Painted to Match Housing [9] **NT**-Factory Installed Mesh Top **CC**-Coastal Construction finish [14] **CCOR**-Coastal Construction finish with added corrosion protection [14] **LWA**-Factory Installed Wireless Sensor, Wide Lens for 8'-16' Mounting Height [15, 16, 17] **LWN**-Factory Installed Wireless Sensor, Narrow Lens for 16'-40' Mounting Height [15, 16, 17]	**BPC**-Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) **PR**-NEMA 3-PIN Twistlock Photocontrol Receptacle [18] **PR7**-NEMA 7-PIN Twistlock Photocontrol Receptacle [18] **FADC**-Field Adjustable Dimming Controller [19] **SPR4**-Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting [20] **SPR2**-Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting [20] **SPR4**-Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting [20] **FSIR-100**-Wireless Configuration Tool for On/Off Operation [16, 20, 21] **WSLCSM-L8X**-Wireless Sensor for Dimming Operation [16, 20, 21] **ZW**-WaveLinx-enabled 4-PIN Twistlock Receptacle [16, 20, 21] **ZD**-WaveLinx Module with DALI driver and 4-PIN Receptacle [16, 20, 21] **SWPDXSX**-WaveLinx Sensor Only, 7'-15' [16, 20, 21] **WDB-XX**-WaveLinx Sensor with Bluetooth, 8'-20' [16, 20, 21] **WDBXX**-WaveLinx Sensor with Bluetooth, 7'-15' [16, 20, 21] **WSF-XX**-WaveLinx Sensor with Bluetooth, 15'-40' [16, 20, 21] **LWN-LW**-Enlighted Wireless Sensor, Narrow Lens for 8'-16' Mounting Height [16, 20, 21] **LWW-LW**-Enlighted Wireless Sensor, Wide Lens for 16'-40' Mounting Height [16, 20, 21]

Product Specifications

Construction
- Driver enclosure thermally isolated from optics for optimal thermal performance
- Die-cast aluminum heat sinks
- IP66 rated housing
- 1.5G vibration rated

Optics
- Patented, high-efficiency injection-molded AccuLED Optics technology
- 13 optical distributions
- IDA Certified (3000K CCT and warmer only)

Electrical
- LED driver assembly mounted for ease of maintenance
- Standard with 0-10V dimming
- Optional 10kV or 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments; Optional 50°C high ambient (HA) configuration

Mounting
- Gasketed and zinc plated rigid steel mounting attachment
- "Hook-N-Lock" mechanism for easy installation

Finish
- Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is powder coated black
- RAL and custom color matches available
- Coastal Construction (CC) option available

Typical Applications
- Exterior Wall, Walkway

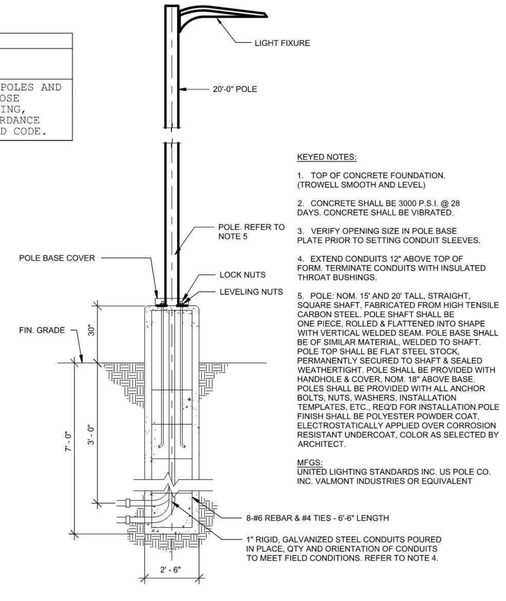
Warranty
- Five-year warranty

NOTES:
1. Consult factory for other combinations. Some may require lead times longer than standard. Refer to our Energy and Performance Data for details.
2. Coastal construction finish salt spray tested to over 5,500 hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
3. Not available with HSS or MS-L8 or MS-L40 sensors.
4. Not compatible with extended quick mount arm (QMEA).
5. Requires the use of a step down transformer. Not available in combination with certain options at 1200mA.
6. Not available with 480V, 347V or MLSD or MLSW at 347V or 480V. Or, in SA2 through SA4 requires a larger housing, normally used for SA5 or SA6. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm-mounting requirement table.
7. Not available with two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm-mounting requirement table.
8. Not available with Enlighted wireless sensors.
9. Factory installed.
10. Field installed. Sold separately.
11. Maximum 6 light squares.
12. Requires 2W or 2S receptacle.
13. Requires 2W or 2S receptacle.
14. Coastal construction finish salt spray tested to over 5,500 hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with HSS or MS-L8 or MS-L40 sensors.
15. Cannot be used with other control options.
16. Not available with Enlighted wireless sensors.
17. Not available if any "WX" sensor is selected. Motion sensor has an integral photocell.
18. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
19. Not for use with T4FT, T4W or SLA optics. See IESTM30-15 for more information.
20. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative or Cooper Lighting Solutions for more information.
21. Replace X with number of Light Squares operating in low output mode.
22. Enlighted wireless sensors are factory installed only requiring network components in appropriate quantities.
23. White sensor shipped on all housing color options.
24. Not available with HSS or DRS options.
25. Not for use with SHQ, SHQ, SHQ or RW optics. The light square trim plate is painted black when the HSS option is selected.
26. CE is not available with the 120V, DALI, LWR, MS, MS-DIM, BPC, PR or PR7 options.
27. Not available with 347V only.
28. One required for each light square.
29. Requires PR7.
30. Not for use with T4FT, T4W or SLA optics.
31. Set of 4 pcs. Once set required per Light Square.
32. Cannot be used in conjunction with additional photocontrol or other controls systems (BPC, PR, PR7, MS, LWR).
33. WAC Gateway required to enable field configurability. Order WAC-PoE and WPOE-12S (12V to PoE injector) power supply if needed.
34. Requires 2W or 2S receptacle.
35. Requires 8W with sensor value (9W, BZ or BK).
36. For BAA or TAA requirements, accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
37. Not available in 1 square configuration at 800mA or below. Not available with any control options or accessories.
38. CL not available with FC 4HS or DALI options. Controls and/or battery packs operate only one of the two circuits when ZL is specified. ZL with controls options not available with 347V or 480V.
39. Not available with CBP or CBP-CEC options.
40. Cannot be used with HVH or with emitter response control options.

FIXTURE TYPE SA

Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Description	Finish	Tag	LLF	Luminaire Lumens	Luminaire Watts	Note
○	3	GWC-SA1C-740-U-T3	Single	GWC-SA1C-740-U-T3	BLACK	SA	0.900	7556	59	ALL EXTERIOR LIGHTING POLES AND FIXTURES, INCLUDING THOSE MOUNTED UPON THE BUILDING, SHALL BE BLACK IN ACCORDANCE WITH THE CITY'S ADOPTED CODE.
○□	1	GLEON-SA4C-740-U-T4FT	Single	GLEON-SA4C-740-U-T4FT	BLACK	SB	0.900	28703	225	
○□	2	GLEON-SA4C-740-U-T4FT-HSS	Single	GLEON-SA4C-740-U-T4FT-HSS	BLACK	SC	0.900	20262	225	
○□	8	GLEON-SA4C-740-U-5WQ	Single	GLEON-SA4C-740-U-5WQ	BLACK	SD	0.900	30052	225	

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING & DRIVE CALCS	Illuminance	Fc	2.60	9.7	0.1	26.00	97.00
PROPERTY LINE CALCS	Illuminance	Fc	0.09	0.5	0.0	N.A.	N.A.



KEYED NOTES:

1. TOP OF CONCRETE FOUNDATION. (TROWELL SMOOTH AND LEVEL)

2. CONCRETE SHALL BE 3000 P.S.I. @ 28 DAYS. CONCRETE SHALL BE VIBRATED.

3. VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.

4. EXTEND CONDUITS 12" ABOVE TOP OF FORM. TERMINATE CONDUITS WITH INSULATED THROAT BUSHINGS.

5. POLE: NOM. 15' AND 20' TALL, STRAIGHT, SQUARE SHAFT, FABRICATED FROM HIGH TENSILE CARBON STEEL. POLE SHAFT SHALL BE ONE PIECE, ROLLED & FLATTENED INTO SHAPE WITH VERTICAL WELDED SEAM. POLE BASE SHALL BE OF SIMILAR MATERIAL, WELDED TO SHAFT. POLE TOP SHALL BE FLAT STEEL STOCK, PERMANENTLY SECURED TO SHAFT & SEALED WEATHERTIGHT. POLE SHALL BE PROVIDED WITH HANDHOLE & COVER, NOM. 18" ABOVE BASE. POLES SHALL BE PROVIDED WITH ALL ANCHOR BOLTS, NUTS, WASHERS, INSTALLATION TEMPLATES, ETC., REQ'D FOR INSTALLATION.POLE FINISH SHALL BE POLYESTER POWDER COAT, ELECTROSTATICALLY APPLIED OVER CORROSION RESISTANT UNDERCOAT, COLOR AS SELECTED BY ARCHITECT.

MFGS:
UNITED LIGHTING STANDARDS INC. US POLE CO. INC. VALMONT INDUSTRIES OR EQUIVALENT

1 PH101 **LIGHT STANDARD DETAIL**
NO SCALE

ENGENUITY
BUILDING VALUE BY DESIGN
17057 N. OUTER FORTY ROAD
CHESTERFIELD, MO 63005
(314) 878-2100 FAX: (314) 878-2107
WWW.THEENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY: COA#2011019564

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

SITE PLAN
1046 & 1066
WENTZVILLE PARKWAY
WENTZVILLE, MO. 63385

Project No: 24-0330

No	Description	Date

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STATE OF MISSOURI
MARCUS ECKSTEIN
NUMBER PE-2010017810
PROFESSIONAL ENGINEER
09/27/2024

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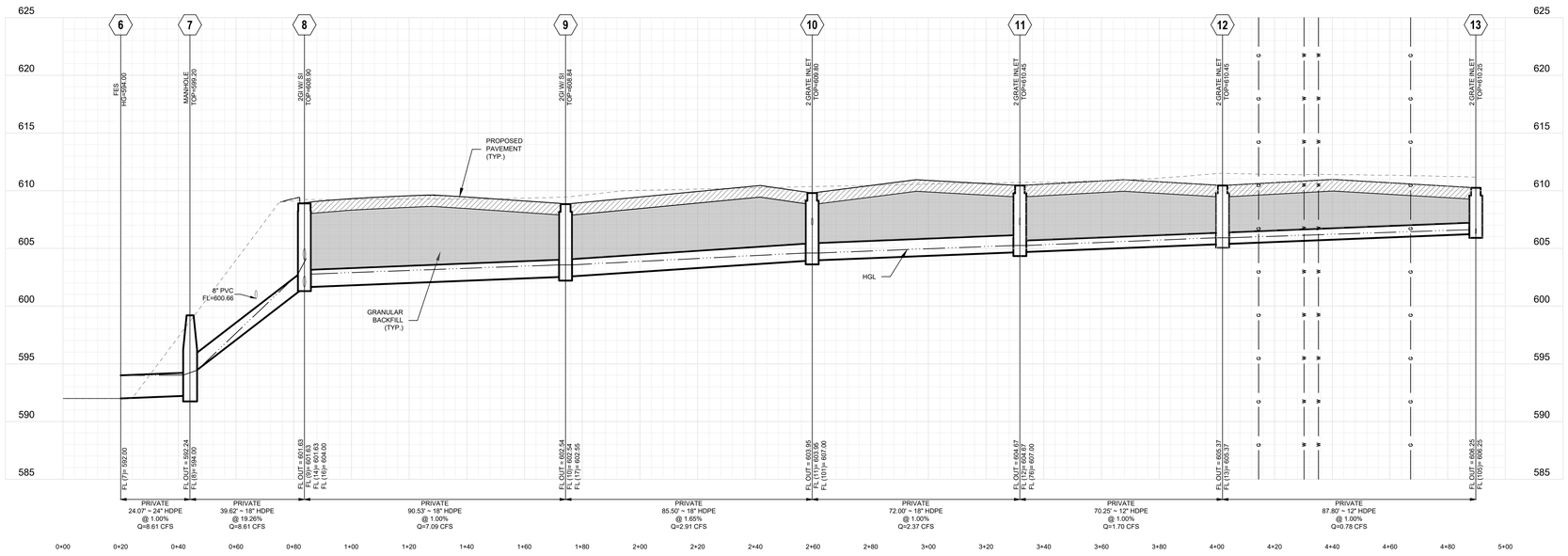
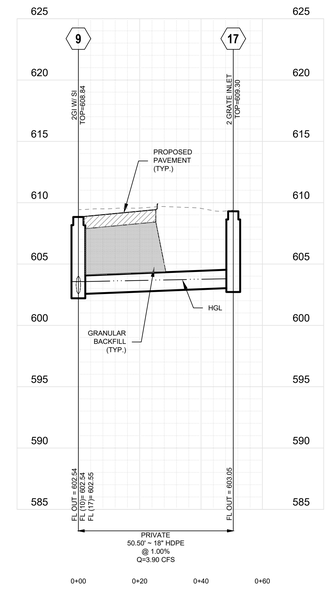
DATE: 09/27/24
SCALE: AS NOTED

PHOTOMETRIC SCHEDULES & DETAILS

PH101



STORM 1
SCALE: 1"=20' HORZ.
1"=5' VERT.



STORM 2
SCALE: 1"=20' HORZ.
1"=5' VERT.

STORM 3
SCALE: 1"=20' HORZ.
1"=5' VERT.

STORM 4
SCALE: 1"=20' HORZ.
1"=5' VERT.

STORM 5
SCALE: 1"=20' HORZ.
1"=5' VERT.

STORM 6
SCALE: 1"=20' HORZ.
1"=5' VERT.

15 Year / 20 Minute Hydraulics

LineNo.	LineID	LineSize	FlowRate	CapacityFull	InvertDn	InvertUp	LineLength	LineSlope	VelAve	Grnd/RimElev Dn	Grnd/RimElev Up	HGLDn	HGLUp	Rim-Hw	CriticalDepth	EGLDn	EGLUp	EnergyLoss	n-valuePipe
		(in)	(cfs)	(cfs)	(ft)	(ft)	(ft)	(%)	(ft/s)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
1	7-6	24.00	8.01	22.59	592.00	592.24	24.1	1.00	2.63	593.79	599.20	594.00	594.02	5.17	1.01	594.100	594.13	0.029	0.013
2	8-7	18.00	8.01	46.08	594.00	601.63	39.6	19.26	12.67	599.20	608.90	594.42	602.73	6.17	1.1	594.950	603.25	0.000	0.013
3	9-8	18.00	6.49	10.53	601.63	602.54	90.5	1.01	4.99	608.90	608.84	602.73	603.52 j	5.32	0.98	603.160	603.96	0.000	0.013
4	10-9	18.00	2.87	13.49	602.54	603.95	85.5	1.65	3.15	608.84	609.80	603.52	604.59 j	5.21	0.64	603.770	604.84	0.000	0.013
5	11-10	18.00	2.33	10.50	603.95	604.67	72.0	1.00	3.47	609.80	610.45	604.59	605.25 j	5.20	0.58	604.810	605.46	0.000	0.013
6	12-11	12.00	1.66	3.55	604.67	605.37	70.3	1.00	3.66	610.45	610.45	605.25	605.92 j	4.53	0.55	605.470	606.14	0.000	0.013
7	13-12	12.00	0.46	3.57	605.37	606.25	87.8	1.00	1.80	610.45	610.25	605.92	606.53 j	3.72	0.28	606.020	606.63	0.000	0.013
8	16-8	12.00	0.32	9.94	604.00	606.30	29.5	7.80	4.04	608.90	611.32	604.12	606.53	4.79	0.23	604.210	606.62	0.000	0.013
9	14-8	12.00	1.06	4.03	601.63	602.31	53.1	1.28	2.21	608.90	607.00	602.73	602.76	4.09	0.43	602.750	602.91	0.157	0.013
10	15-14	12.00	1.06	3.57	602.31	603.00	68.7	1.00	2.71	607.00	607.67	602.91	603.43 j	4.24	0.43	603.070	603.6	0.000	0.013
11	17-9	18.00	3.34	10.45	602.55	603.05	50.5	0.99	3.46	608.84	609.30	603.52	603.75 j	5.55	0.70	603.790	604.02	0.000	0.013
12	4-3	18.00	1.91	10.50	592.00	592.17	16.9	1.00	1.12	593.79	598.00	593.50	593.50	4.49	0.52	593.520	593.52	0.005	0.013
13	5-4	18.00	1.91	44.54	592.17	598.03	32.6	17.99	2.33	598.00	606.90	593.51	598.55 j	8.35	0.52	593.70	598.74	0.000	0.013
14	2-1	24.00	10.63	31.13	588.00	589.00	52.8	1.89	4.48	590.33	596.00	590.00	590.17 j	5.83	1.17	590.18	590.65	0.199	0.013

ENGENUITY
BUILDING VALUE BY DESIGN
17057 N. OUTER FORTY ROAD
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CHESTERFIELD, MO 63005
P: 314.801.1757
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY:
E2008101304

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No:	24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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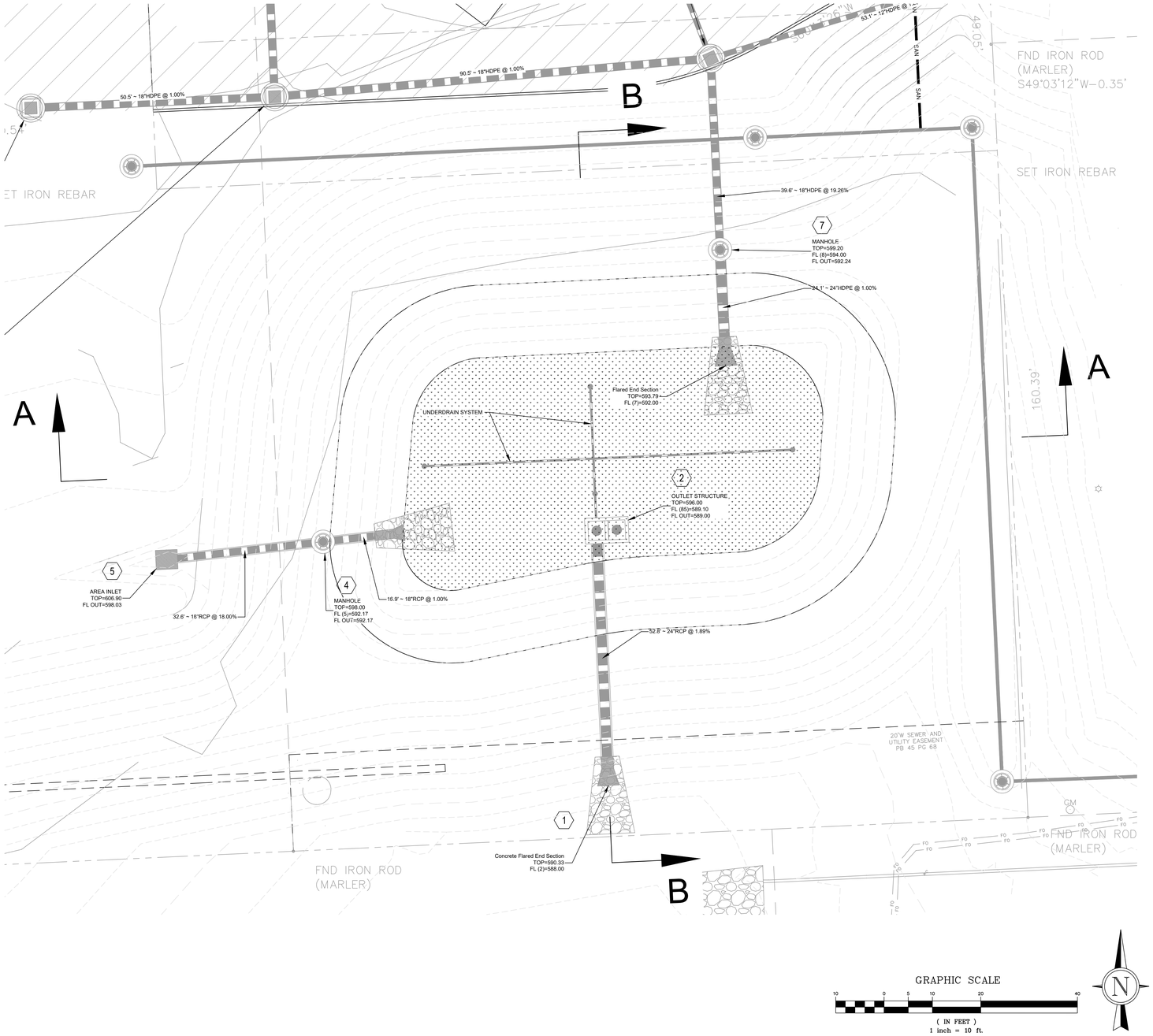
DATE:	03/28/25
SCALE:	AS NOTED

SEWER PROFILES

C600

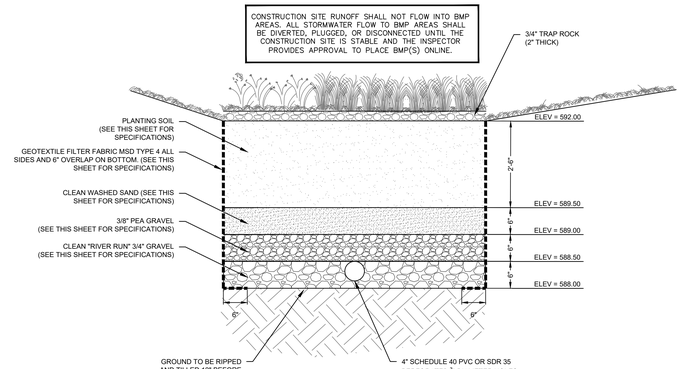


GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)

1 inch = 10 ft.



BIORETENTION BASIN DETAIL

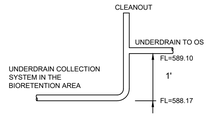
NOT TO SCALE

BIO-RETENTION

THE RAIN GARDEN IS DESIGNED TO HOLD STORM WATER RUNOFF SO IT CAN FILTER POLLUTANTS. THERE ARE SPECIAL PLANTS IN THE BEDS WHICH ACTUALLY ASSIST IN THE PROCESS OF ABSORBING THE POLLUTANTS. THE PLANTS ARE ALSO USED TO FEED AND ATTRACT BIRDS AND BUTTERFLIES.

BIO-RETENTION INFO SIGN

STANDARD 18"x12"x.080" ALUMINUM SIGN FACE WITH BLACK 0.625" SERIES 2000 STANDARD ALPHABET ON WHITE BACKGROUND GALVANIZED STEEL POST 9'6" LONG. SET BOTTOM OF SIGN 5' ABOVE GRADE. SET BOTTOM OF POST 3' BELOW GRADE.



VERTICAL ELBOW UNDERDRAIN DETAIL

NOT TO SCALE

MATERIAL	SPECIFICATION	SIZE	NOTES
PLANTINGS	SEE LANDSCAPE PLAN	N/A	PLANTINGS ARE SITE SPECIFIC
PANTINGS SOIL (2.5' TO 4.5' DEEP)	SAND MIN. OF 60%, CLAY MAX. OF 10%	N/A	USDA SOIL TYPES LOAMY SAND, SANDY LOAM OR LOAM
GEOTEXTILE	MSD TYPE 4	N/A	FOR USE ON SIDES ONLY
SAND (6" DEEP)	CLEAN ASTM C-33 FINE AGGREGATE	0.02" TO 0.04"	SAND SUBSTITUES SUCH AS DIABASE AND GRAYSTONE #10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATED OR DOLOMITIC SAND SUBSTITUES ARE ACCEPTABLE. NO "ROCK DUST" CAN BE USED FOR SAND
GRAVEL LAYER (6" DEEP)	ASTM C-33 NO. 8	¾" Ø	
UNDERDRAIN GRAVEL (6" DEEP)	ASTM C-33 NO. 6 OR 67	¾" Ø	
UNDERDRAIN PIPING	SCHEDULE 40 PVC OR SDR 35		¾" PERFORATIONS AT 12" ON CENTER, 2 HOLES PER ROW AT 5 & 7 O'CLOCK FACING DOWN,MIN. 2" OF GRAVEL UNDER PIPES

SAND SPECIFICATIONS

Washed ASTM C33 Fine Aggregate Concrete Sand is utilized for stormwater management applications. In addition to the ASTM C33 specifications, sand must meet ALL of the following conditions.

1. Sand must meet gradation requirements for ASTM C-33 Fine Aggregate Concrete Sand.
2. Sand must be silica based....no limestone based products may be used. If the material is white or gray in color, it is not acceptable.
3. Sand must be clean. Natural, unwashed sand deposits may not be used. Likewise, sand that has become contaminated by improper storage or installation practices will be rejected.
4. Manfactured sand or stone dust is not acceptable under any circumstance.

PLANTING SOIL

The planting soil should be a sandy loam or loamy sand (should contain a minimum of 60 percent sand, by volume). The clay content for these soils should be less than 10 percent by volume. A permeability of at least 1.0 feet per day (0.5 inches per hour) is required (a conservative value of 0.5 feet per day is used for design). The design rate may be increased to 2 feet/day if field observation, post-construction infiltration testing, or other equivalent testing (as determined by the District) is provided to confirm the design rate is achieved.) The soil should be free of stones, stumps, roots, or other woody material over 1 inch in diameter. For best results, brush or seeds from noxious weeds, such as Johnson grass, mugwort, nutsedge and Canadian thistle should not be present in the soils. Placement of the planting soil should be in lifts of 12 to 18 inches, loosely compacted (rubber wheeled heavy equipment and mechanical tamping devices are not recommended for compaction). The specific characteristics are presented in the following table.

Table 1: Planting Soil Characteristics.
Source: Maryland Stormwater Manual

Parameter	Value
pH range	5.2 to 8.00
Organic matter	1.5 to 5.0%
Magnesium	35 lbs. per acre, minimum
Phosphorus (P2O5)	75 lbs. per acre, minimum
Potassium (K2O)	85 lbs. per acre, minimum
Soluble salts	≤ 500 ppm

The trap rock layer plays an important role in the performance of the bioretention system. It helps maintain soil moisture and avoids surface sealing that reduces permeability. Rock helps prevent erosion and provides a microenvironment suitable for soil biota at the rock/soil interface. It also serves as a pretreatment layer, trapping the finer sediments that remain suspended after the primary pretreatment. The rock layer should be free of other materials, such as weed seeds, soil, roots, etc. The rock should be applied to a maximum depth of two inches. Grass clippings should not be used.

TABLE 3: PLANTING, WATER AND MULCH REQUIREMENTS

WATER AVAILABILITY	REQUIRED PLANTING PERIOD	MIN. CONTAINER SIZE	WATER REQUIREMENT FIRST 3 WEEKS*	WATER REQUIREMENTS AFTER 3 WEEKS*	MAX. MULCH DEPTH****
NO ABILITY TO WATER AFTER INITIAL PLANTING	LATE FEB. - APRIL ONLY	2.25" X 3.75" OR LARGER	WATER EACH PLUG IMMEDIATELY		1.5" FOR PLUGS
MANUAL WATERING WITH STANDARD SPRINKLER	LATE FEB. - EARLY JUNE, SEPT. - OCTOBER	4.5" X 5" (QUART) OR LARGER IN SUMMER & FALL	1" (60 MIN.) EVERY 4 DAYS	1" (60 MIN) EVERY 7 DAYS UNTIL PLANTS ESTABLISHED***	1.5" FOR PLUGS, 2.5" FOR QUARTS
AUTOMATIC IRRIGATION (SET TO WATER MORE FREQUENTLY THAN NORMAL DURING FIRST TWO MONTHS AFTER PLANTING)	LATE FEB. - EARLY OCT.	2.25" X 3.75" (PLUG) OR LARGER IN SPRING, 4.5" X 5" (QUART) OR LARGER IN SUMMER & FALL	.1" (60 MIN) EVERY 4 DAYS IN SPRING AND FALL, 1" (60 MIN) EVERY 3 DAYS IN SUMMER	1" (60 MIN) EVERY 7 DAYS UNTIL PLANTS ESTABLISHED***	1.5" FOR PLUGS, 2.5" FOR QUARTS

*THIS WATER AMOUNT INCLUDES NATURAL RAINFALL. IF YOU GET A ½ INCH OF NATURAL RAIN THEN YOU WILL NEED TO ADD A ½ INCH OF WATER TO MEET THE 1 INCH REQUIREMENT.

**REQUIRES TRANSPORT OF WATER TO THE PLANTING SITE IN LARGE CONTAINERS AND POURING ENOUGH WATER ONTO EACH PLANT (AFTER PLANTING) TO MOISTEN THE ENTIRE PLANTING PIT.

***PLANTS ARE ESTABLISHED WHEN ROOTS HAVE GROWN OUT OF THE CONTAINER SOIL AND INTO THE NATIVE SOIL BY 3-5 INCHES. THIS NORMALLY TAKES 3-4 MONTHS FOR MOST PERENNIALS AND GRASSES AND UP TO 6-7 MONTHS FOR TREES AND SHRUBS

****SHREDDED LEAF COMPOST IS RECOMMENDED FOR USE WITH PERENNIALS AND GRASSES. SHREDDED BARK MULCH IS RECOMMENDED FOR TREE AND SHRUB PLANTINGS AT A DEPTH OF 3 INCHES.

INFILTRATION TESTING - WHEN UTILIZING ONSITE SOILS AND/OR MIXING ON-SITE FOR PLANTING SOIL: THE IN-PLACE PERMEABILITY OF THE PLANTING SOIL SHALL BE 2.0-3.5 FT/DAY, AND VERIFIED BY AN INFILTRATION TEST PERFORMED PER THE MARYLAND STORMWATER MANUAL, APPENDIX D.1, "INFILTRATION TESTING REQUIREMENTS (FIELD TESTING REQUIRED)". A MINIMUM OF ONE PERCOLATION TEST SHALL BE PERFORMED PER FACILITY. THE MSD FIELD INSPECTOR SHALL BE ALLOWED TO SELECT THE LOCATION OF THE PERCOLATION TESTS. THE MSD FIELD INSPECTOR SHALL BE PROVIDED A COPY OF ALL TEST RESULTS, SIGNED AND SEALED BY A MISSOURI PROFESSIONAL ENGINEER. TEST RESULTS SHALL REPORT IN UNITS OF FEET/DAY. RESULTS SHALL DEMONSTRATE ACCEPTABLE PERMEABILITY PRIOR TO CONSTRUCTION APPROVAL. NOTE, THESE TESTS ARE NOT REQUIRED IF UTILIZING PREMIXED PLANTING SOIL PROVIDED BY A LOCAL MSD APPROVED SOILS SUPPLIER.

INFILTRATION BED - TO PREVENT CONSTRUCTION SEDIMENT FROM CLOGGING INFILTRATION BED, AT NO TIME MAY CONSTRUCTION SEDIMENT ENTER THESE FACILITIES. ADDITIONALLY, THESE FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL SURROUNDING AREA THAT DRAINS TO THEM IS FULLY STABLE/ESTABLISHED.

ENGENUITY
BUILDING VALUE
BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 440 S
CHESTERFIELD, MO 63005
P: 314.394.1177
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY:
E2023-037304

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No: 24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER
03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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DATE: 03/28/25
SCALE: AS NOTED

BASIN DETAILS

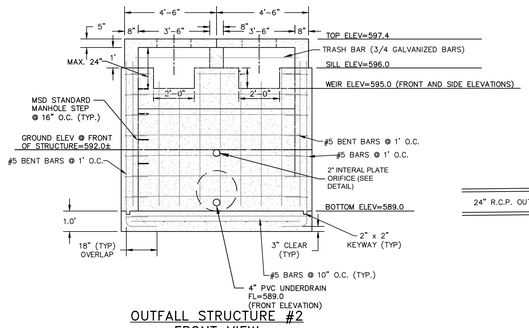
C700

Outfall Structure #2 Release Rates			
	Proposed Release Rate (cfs)		Allowable Release Rate (cfs)
2 year, 24 hour - Q	1.1	<	6.7
25 year, 24 hour - Q	17.9	<	21.4
Basin Highwater Elevations (ft)			
Berm	597.5		
2 year, 24 hour	595.1		
25 year, 24 hour	596.0		
100 year, 24 hour, LFB	596.5		
Channel Protection Volume	594.0		
Free Board	1.00		

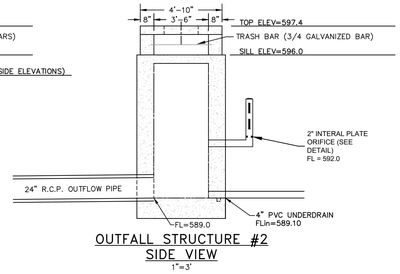
100yr LFB W.S.E = 596.5
25yr 24hr W.S.E = 596.0

2yr 24hr W.S.E = 595.1

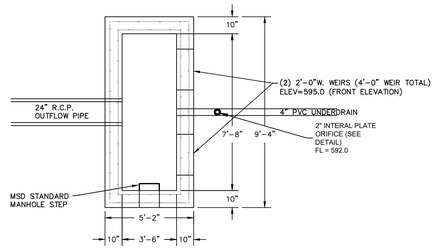
CPv W.S.E = 594.0



OUTFALL STRUCTURE #2
FRONT VIEW
1"=3'

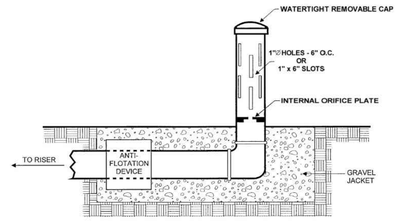


OUTFALL STRUCTURE #2
SIDE VIEW
1"=3'



OUTFALL STRUCTURE #2
PLAN VIEW
1"=3'

Detail 3 Internal Control for Orifice Protection



INTERNALLY CONTROLLED ORIFICE (NTS)

ENGENUITY
BUILDING VALUE BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 100
CHESTERFIELD, MO 63005
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MISSOURI CERTIFICATE OF AUTHORITY: E2023-017304

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

CONSTRUCTION DOCUMENTS

Project No: 24-0330

No	Description	Date
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2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M. ACKLEY
MEMBER
PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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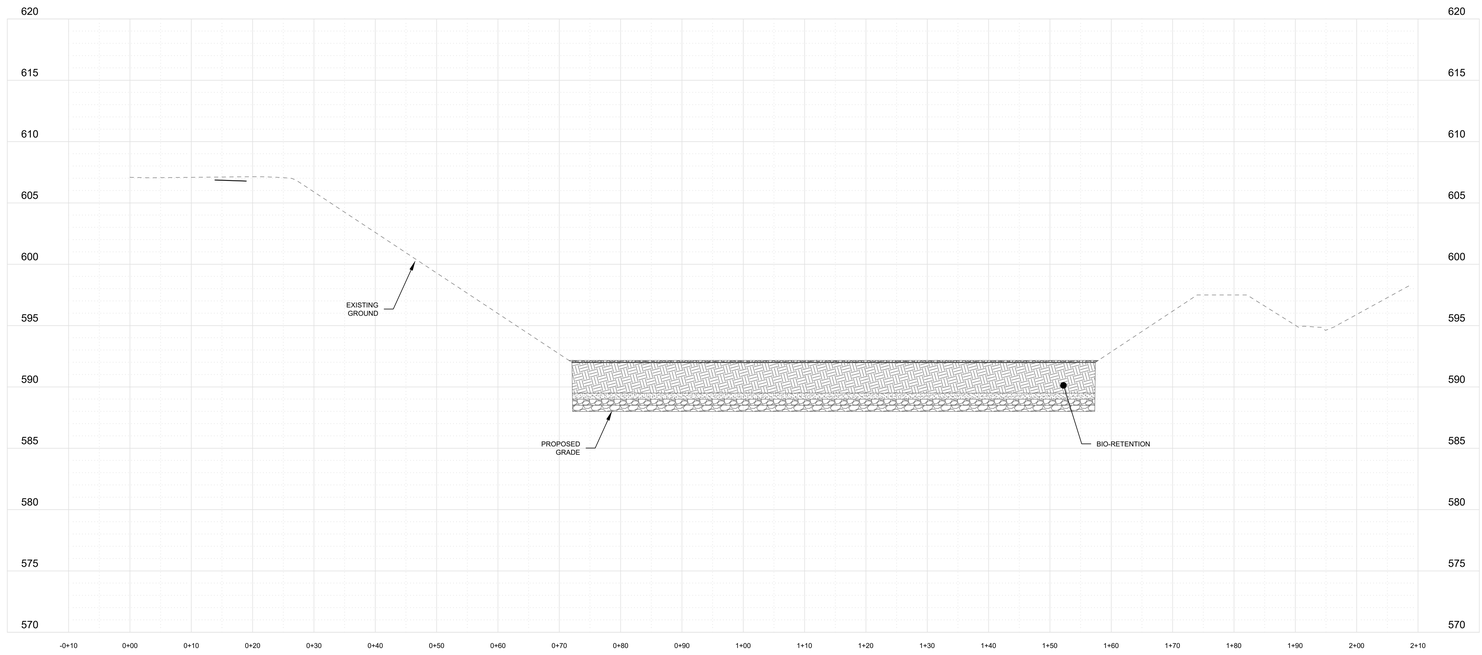
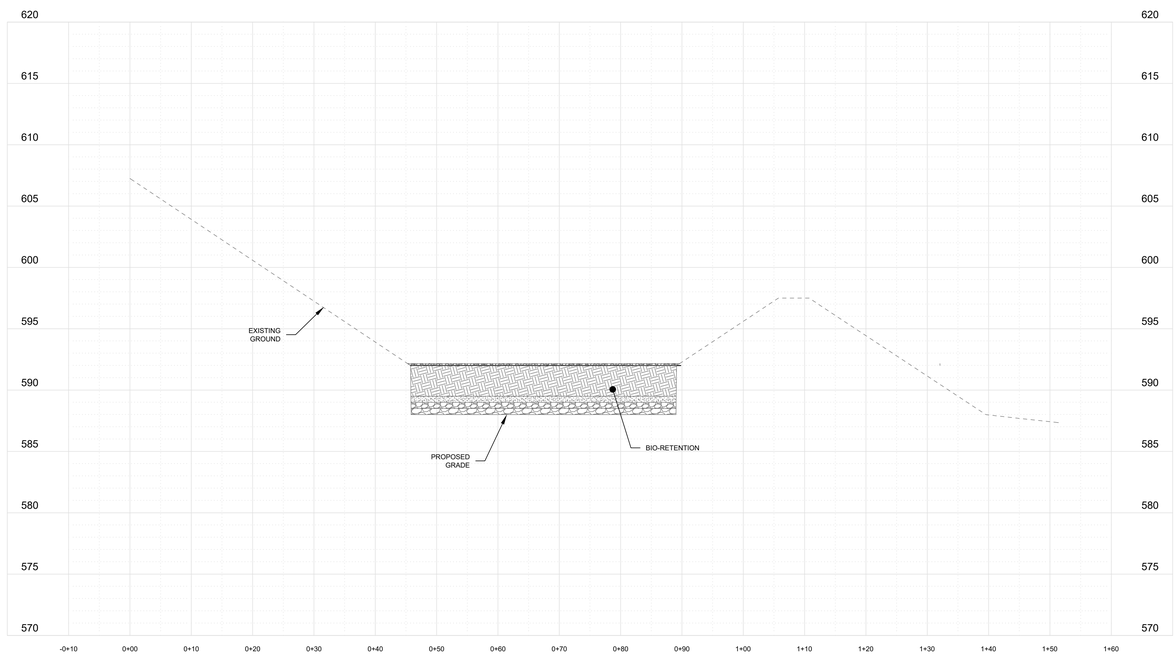
DATE:	03/28/25
SCALE:	AS NOTED

BASIN DETAILS

C701



SECTION A-A
SCALE: 1"=10' HORZ.
1"=5' VERT.



SECTION B-B
SCALE: 1"=10' HORZ.
1"=5' VERT.

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BY DESIGN
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P: 314.801.1757
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY:
E2023-017304

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

CONSTRUCTION DOCUMENTS

Project No:		24-0330
No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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SEAN M. ACKLEY
NUMBER
PE-2009018679
STATE OF MISSOURI
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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DATE:	03/28/25
SCALE:	AS NOTED

BASIN CROSS SECTIONS

C702

EXISTING DRAINAGE AREA

DRAINAGE AREA	STRUCTURE NUMBER	GRASS AREA (ACRES)	P.I. FACTOR (GRASS)	PICP AREA (ACRES)	P.I. FACTOR (PICP)	PVMT AREA (ACRES)	P.I. FACTOR (PVMT)	CONNECTED ROOF AREA (ACRES)	P.I. FACTOR (CONNECTED ROOF)	TOTAL AREA (ACRES)	TOTAL Q (CFS)
1	N/A	2.54	1.70	0.00	1.70	0.00	3.54	0.00	4.20	2.54	4.32
2	N/A	0.38	1.70	0.00	1.70	0.00	3.54	0.00	4.20	0.38	0.65
3	N/A	0.76	1.70	0.00	1.70	0.00	3.54	0.00	4.20	0.76	1.29
TOTAL		**3.68**		**0.00**		**0.00**		**0.00**		**3.68**	**6.26**

WENTZVILLE PARKWAY
(VARIABLE WIDTH PUBLIC)

CENTERLINE OF WENTZVILLE PARKWAY

CONC PVMT

SECTION 13 SECTION 24

N87°21'23"E 295.94'

N87°21'23"E 278.25'

247.11'

121.89'

21.92'

152.13'

30' BUILDING LINE

1053 MEYER ROAD SUBDIVISION PLAT
BOOK PL45 - PAGE 68

N02°38'37"W 299.25'

S02°38'38"E 437.39'

S87°21'23"W 174.05'

138.14'

160.38'

S02°52'40"E 160.46'

214.72'

S87°21'23"W 366.85'

152.12'

273.37'

LOT 1

N/F
WBWEM0001 LLC
DB 7295, PG 1841
4-0013-A454-00-0001.0000000

LOT 4

N/F
CHELSEA MAY LLC
DOC. NO. 2022-050008
4-0013-A454-00-0004.0000000
1031 MEYER ROAD

N/F
1078 PARKWAY LLC
DOC. NO. 2021-023223
4-0013-S024-00-0006.2100000

N/F
BH3 HOLDINGS LLC
DB 7074, PG 1889
4-0013-A454-00-0003.0000000
1066 WENTZVILLE PARKWAY
ADJUSTED LOT 3
105,446 SQ. FT.
2.42 ACRES
ORIGINAL LOT 3
90,996 SQ. FT.
2.09 ACRES

N/F
BH3 HOLDINGS LLC
DB 7074, PG 1889
4-0013-A454-00-0002.0000000
1046 WENTZVILLE PARKWAY
ADJUSTED LOT 2
52,085 SQ. FT.
1.20 ACRES
ORIGINAL LOT 2
66,539 SQ. FT.
1.53 ACRES

N/F
ATORS OF THE UNIVERSITY OF MISSOURI
DB 2089, PG 1114
013-S024-00-0006.2000000

N/F
IROEDER REVOCABLE TRUST & JAMES R
IROEDER REVOCABLE TRUST
DB 2836, PG 1722
013-A194-00-0001.0000000

N/F
R&M PROPERTY LLC
DOC. NO. 2024-03144
4-0013-C905-00-0004.0000000
SYNERGY CHIROPRACTIC RESUB LOT 1

EX1
2.54 AC

EX2
0.38 AC

EX3
0.76 AC

ASPH PVMT W/ CONC CURB

ASPH PVMT W/ CONC CURB

W/T W/ ASPH CURB

SANITARY MANHOLE
TOP=603.14
FL=593.37

MEYER ROAD
(VARIABLE WIDTH PUBLIC)

CURB INLET
TOP=598.21

STORM MANHOLE
TOP=594.72
FLN=588.17
FLW=589.67
FLS=588.10

ROUND PIPE
TOP=589

611.5

587.7

586.7

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

GENERAL NOTES

A. THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS.

B. THE EXISTING SITE CONDITIONS AND TOPOGRAPHY SHOWN ARE FROM A SITE SURVEY AS PREPARED BY PREMIER DESIGN GROUP; DATED MARCH 2019.

C. IF CONTRACTOR DETERMINES THAT ACTUAL EXISTING CONDITIONS DIFFER FROM THAT SHOWN ON THESE PLANS, CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER BEFORE COMMENCING AND DEMOLITION OR CONSTRUCTION WORK.

ENGENUITY
BUILDING VALUE BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 440 SOUTH
CHESTERFIELD, MO 63005
P: 314.827.1700
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY: E2023-01-7304

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No: 24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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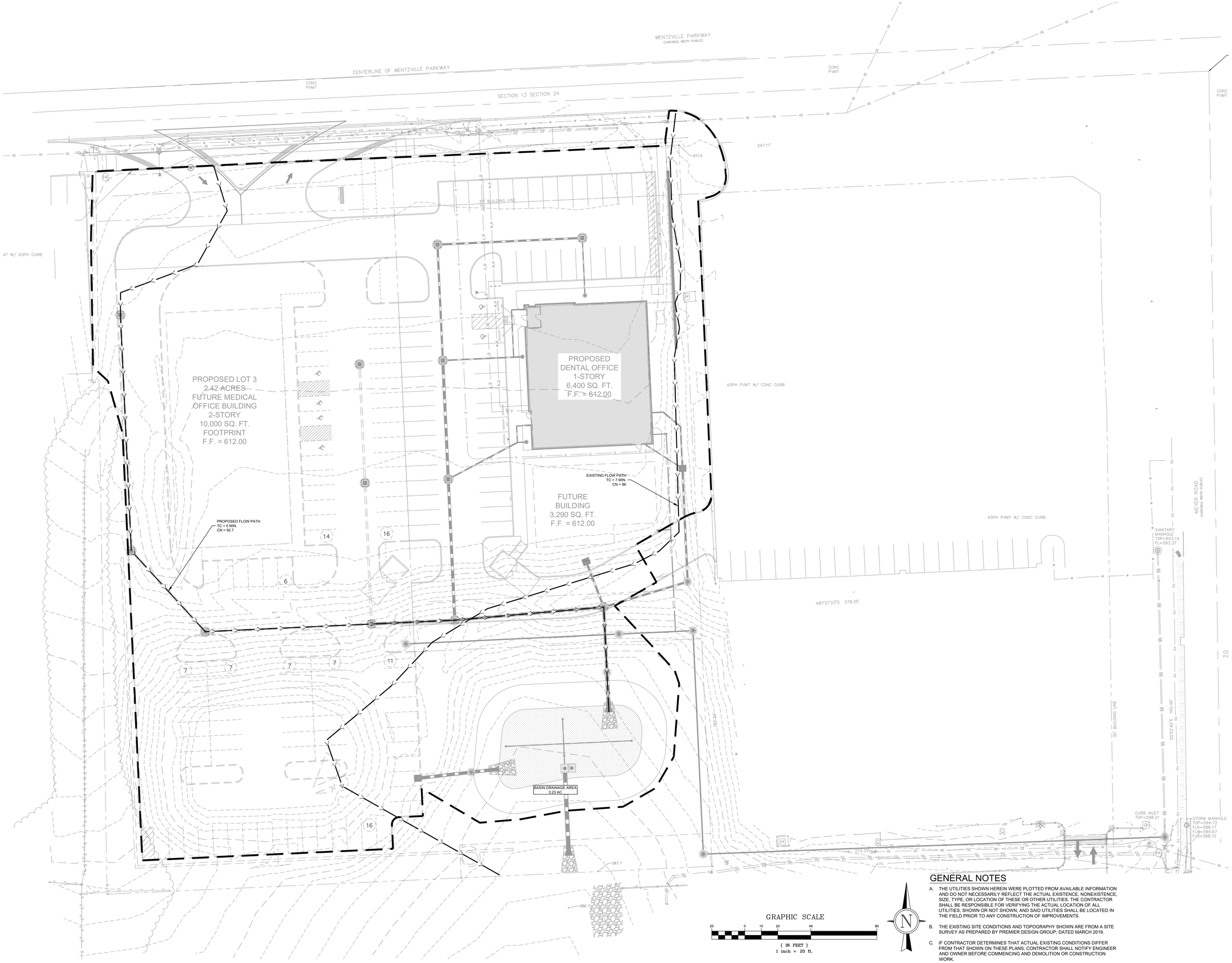
DATE: 03/28/25
SCALE: AS NOTED

EXISTING DRAINAGE AREA PLAN

C800



GENERAL NOTES

A. THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS.

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C. IF CONTRACTOR DETERMINES THAT ACTUAL EXISTING CONDITIONS DIFFER FROM THAT SHOWN ON THESE PLANS, CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER BEFORE COMMENCING AND DEMOLITION OR CONSTRUCTION WORK.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

N

ENGENUITY
BUILDING VALUE
BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 107
CHESTERFIELD, MO 63005
P: 314.880.1910
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY:
2022001137-2024

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No:		24-0330
No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
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MO# PE-2009018679

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DATE:	03/28/25
SCALE:	AS NOTED

PROPOSED
DRAINAGE AREA
PLAN-BASIN

C801

DRAINAGE AREAS-15 YEAR STORM											
DRAINAGE AREA	STRUCTURE NUMBER	GRASS AREA (ACRES)	P.I. FACTOR (GRASS)	PICP AREA (ACRES)	P.I. FACTOR (PICP)	PVMT AREA (ACRES)	P.I. FACTOR (PVMT)	CONNECTED ROOF AREA (ACRES)	P.I. FACTOR (CONNECTED ROOF)	TOTAL AREA (ACRES)	TOTAL Q (CFS)
1	13	0.00	1.70	0.00	1.70	0.22	3.54	0.00	4.20	0.22	0.78
2	12	0.00	1.70	0.00	1.70	0.26	3.54	0.00	4.20	0.26	0.92
3	11	0.00	1.70	0.00	1.70	0.13	3.54	0.05	4.20	0.18	0.67
4	10	0.00	1.70	0.00	1.70	0.13	3.54	0.02	4.20	0.15	0.54
5	9	0.00	1.70	0.00	1.70	0.08	3.54	0.00	4.20	0.08	0.28
6	17	0.00	1.70	0.00	1.70	0.79	3.54	0.23	4.20	1.02	3.76
7	16	0.00	1.70	0.00	1.70	0.03	3.54	0.05	4.20	0.08	0.32
8	15	0.00	1.70	0.00	1.70	0.18	3.54	0.10	4.20	0.28	1.06
9	8	0.00	1.70	0.00	1.70	0.04	3.54	0.00	4.20	0.04	0.14
10	5	0.00	1.70	0.00	1.70	0.52	3.54	0.00	4.20	0.52	1.84
11	2	0.39	1.70	0.00	1.70	0.00	3.54	0.01	4.20	0.40	0.71
TOTAL		**0.39**		**0.00**		**2.38**		**0.46**		**3.23**	**11.02**

WENTZVILLE PARKWAY
(VARIABLE WIDTH PUBLIC)

CENTERLINE OF WENTZVILLE PARKWAY

CONC PVMT

SECTION 13 SECTION 24

FND IRON ROD (MARLER)

FND IRON ROD (MARLER) N21°12'38"W-0.16'

DEED IN LIEU OF CONDEMNATION PER DB 7074, PG 1880

WT W/ ASPH CURB

N/F
1078 PARKWAY LLC
DOC. NO. 2021-023223
4-0013-5024-00-0006.2100000

CROSS ACCESS EASEMENT

SET IRON REBAR

15' LANDSCAPE BUFFER

30' BUILDING SETBACK

10' BUILDING SETBACK/ LANDSCAPE BUFFER

PROPOSED DENTAL OFFICE 1-STORY 6,400 SQ. FT. F.F. = 612.00

FUTURE BUILDING 3,200 SQ. FT. F.F. = 612.00

DA1 0.22 AC.
DA2 0.26 AC.
DA3 0.18 AC.
DA4 0.15 AC.
DA5 0.08 AC.
DA6 1.02 AC.
DA7 0.08 AC.
DA8 0.28 AC.
DA9 0.04 AC.
DA10 0.52 AC.
DA11 0.40 AC.

N/F
BH3 HOLDINGS LLC
DB 7074, PG 1889
4-0013-A454-00-0003.0000000
1066 WENTZVILLE PARKWAY

ADJUSTED LOT 3
105,446 SQ. FT.
2.42 ACRES

ORIGINAL LOT 3
90,996 SQ. FT.
2.09 ACRES

ADJUSTED LOT 2
52,054 SQ. FT.
1.19 ACRES

ORIGINAL LOT 2
36,936 SQ. FT.
0.85 ACRES

N/F
BH3 HOLDINGS LLC
DB 7074, PG 1889
4-0013-A454-00-0002.0000000
1046 WENTZVILLE PARKWAY

N/F
ATORS OF THE UNIVERSITY OF MISSOURI
DB 2089, PG 1114
013-5024-00-0006.2000000

N/F
IROEDER REVOCABLE TRUST & JAMES IROEDER REVOCABLE TRUST
DB 2836, PG 1722
013-A194-00-0001.0000000

FND IRON ROD (WALTERMAN) S32°21'10"E-0.25'

FND IRON ROD (MARLER) N79°35'10"E-0.21'

N/F
R&M PROPERTY LLC
DOC. NO. 2824-033144
4-0013-C905-00-0004.0000000
SYNERGY CHIROPRACTIC RESUB LOT 1
DB 6541, PG 93

LOT 1

N/F
WBWEM0001 LLC
DB 7295, PG 1841
4-0013-A454-00-0001.0000000

LOT 4

N/F
CHELSEA MAY LLC
DOC. NO. 2022-050008
4-0013-A454-00-0004.0000000
1031 MEYER ROAD

ASPH PVMT W/ CONC CURB

CROSS ACCESS EASEMENT PER PB 45 PG 68

10'W WATER EASEMENT PER 4950/2471

10'W SEWER EASEMENT PER 4950/2471

20'W SEWER AND UTILITY EASEMENT PER PB 45 PG 68

SANITARY MANHOLE TOP=603.14 FL=593.37

CURB INLET TOP=598.21

STORM MANHOLE TOP=594.72 FLN=588.17 FLW=589.67 FLS=588.10

MEYER ROAD (VARIABLE WIDTH PUBLIC)

30' BUILDING LINE

N87°21'23"E 278.25'

S87°21'23"W 174.05'

S87°21'23"W 366.85'

S87°21'23"W 280.54'

N87°21'23"E 77.18'

N87°21'23"E 121.00'

S87°21'23"W 121.00'

N87°21'23"E 295.94'

N87°21'23"E 44.23'

S87°21'23"W 30.45'

N87°21'23"E 30.45'

N02°38'37"W 299.25'

S02°38'37"E 437.66'

N02°38'37"W 142.00'

S02°49'13"E 121.00'

N03°53'49"W 437.45'

N42°21'23"E 39.89'

S42°21'23"W 39.89'

121.89'

21.92'

152.13'

214.72'

247.11'

160.46'

S5°52'40"E

273.33'

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

GENERAL NOTES

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C. IF CONTRACTOR DETERMINES THAT ACTUAL EXISTING CONDITIONS DIFFER FROM THAT SHOWN ON THESE PLANS, CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER BEFORE COMMENCING AND DEMOLITION OR CONSTRUCTION WORK.

ENGENUITY
BUILDING VALUE BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 400
CHESTERFIELD, MO 63005
P: 314.827.1700
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY: E2003151204

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO, 63385

Project No: 24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER
03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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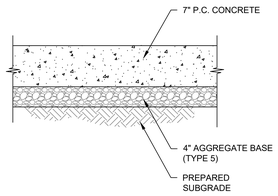
DATE: 03/28/25
SCALE: AS NOTED

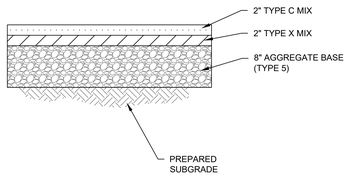
PROPOSED DRAINAGE AREA PLAN-SEWERS

C802



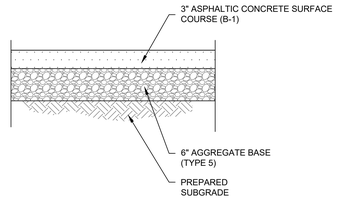
CONTRACTOR TO VERIFY/COORDINATE PAVEMENT DETAILS WITH LATEST GEOTECHNICAL REPORT

1 HEAVY DUTY CONCRETE PAVEMENT (ENTRANCE AND TRASH ENCLOSURE)
NOT TO SCALE



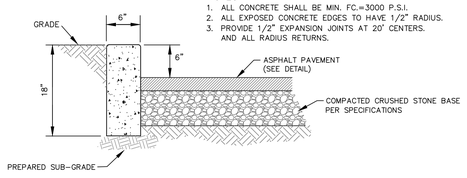
CONTRACTOR TO VERIFY/COORDINATE PAVEMENT DETAILS WITH LATEST GEOTECHNICAL REPORT

2 MEDIUM DUTY ASPHALT PAVEMENT DETAIL (DRIVE AISLES)
NOT TO SCALE

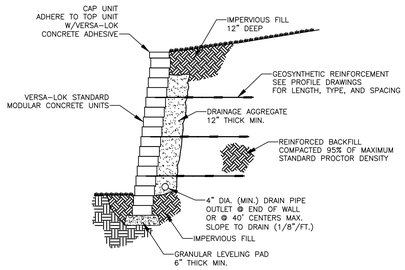


CONTRACTOR TO VERIFY/COORDINATE PAVEMENT DETAILS WITH LATEST GEOTECHNICAL REPORT

3 LIGHT DUTY ASPHALT PAVEMENT DETAIL (PARKING SPACES)
NOT TO SCALE

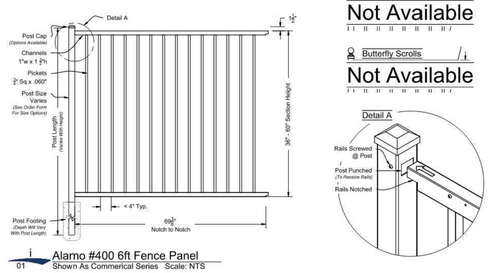


4 6in. CONCRETE VERTICAL CURB
NOT TO SCALE

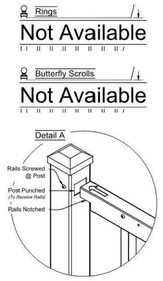


TYPICAL SECTION-REINFORCED RETAINING WALL

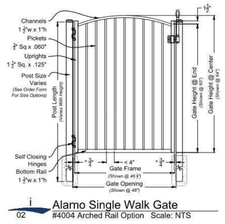
5 RETAINING WALL DETAIL
NOT TO SCALE



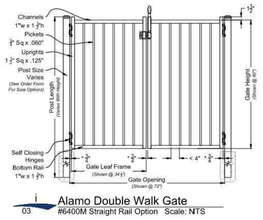
01 Alamo #400 6ft Fence Panel
Shown As Commerical Series Scale: NTS



Matching Gate Options



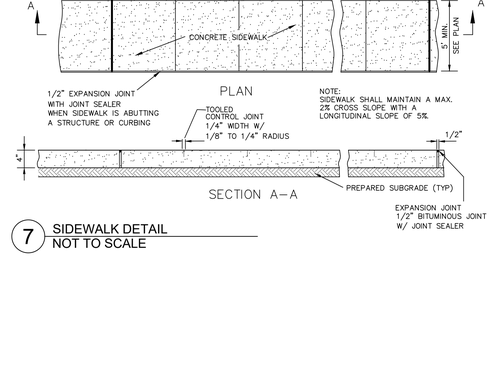
02 Alamo Single Walk Gate
#4004 Arched Rail Option Scale: NTS



03 Alamo Double Walk Gate
#6400M Straight Rail Option Scale: NTS

Alamo Fence & Gate Commercial Series #400	iDeal aluminum fence gates	DRAWING NOTES: Don't Scale From Drawings. Please See Our Fence & Gate Style Sheet For Other Options. *Other Optional Gate Hardware Available, But May Change The Hinge And Latch Clearances.	Com 400 Series Fence & Gate Details Pool Code
Approved By: iDeal Aluminum Quote #: Drawn By: JMixon Drawn Date: 26-Nov-13	2000 Brunswick Lane Deland, FL 32724 Phone: 386.736.1700 Fax: 386.822.4956		1 OF 1

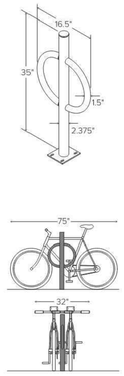
6 FENCE DETAIL
NOT TO SCALE



7 SIDEWALK DETAIL
NOT TO SCALE

DERO Cycleon | Bike Hitch™

Submittal Sheet

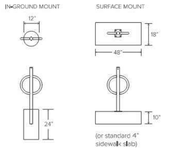


CAPACITY 2 Bikes

MATERIALS **Centerbeam:** 2" schedule 40 pipe (2.375" OD)
Ring: 1.5" OD 11 gauge tube

FINISHES
- ☐ **Galvanized** — An after fabrication hot dipped galvanized finish is our standard option.
- ☐ **Powder Coat** — Our powder coat finish assures a high level of adhesion and durability by following these steps: 1. Sandblast 2. Epoxy primer electrostatically applied 3. Final thick TGIC polyester powder coat
- ☐ **Stainless** — Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.

MOUNT OPTIONS
- ☐ **Surface** — Foot Mount has a 5" x 6" x .25" foot with four anchors per foot. Specify foot mount for this option. Tamper-resistant fasteners available upon request.
- ☐ **In-Ground** — In-ground mount is embedded into concrete base. Specify in-ground mount for this option



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8 BIKE RACK DETAIL
NOT TO SCALE

ENGENUITY
BUILDING VALUE BY DESIGN
17057 N. OUTER FORTY ROAD
SUITE 400
CHESTERFIELD, MO 63005
P: 314.439.1212
WWW.ENGENUITY.COM
MISSOURI CERTIFICATE OF AUTHORITY: E2023-037304

PREPARED FOR:
S&P REALTY HOLDINGS, LLC
1 MID RIVERS MALL DRIVE, SUITE 310
ST. PETERS, MO 63376

CONSTRUCTION DOCUMENTS

MISSOURI CENTER FOR ORAL SURGERY & IMPLANTS-WENTZVILLE

1046 & 1066 WENTZVILLE PARKWAY
WENTZVILLE, MO. 63385

Project No: 24-0330

No	Description	Date
1	CITY SUBMITTAL	03/12/2025
2	PERMIT DWGS.	03/28/2025

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STATE OF MISSOURI
SEAN M ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER

03/28/25
Sean M. Ackley
Civil Engineer
MO# PE-2009018679

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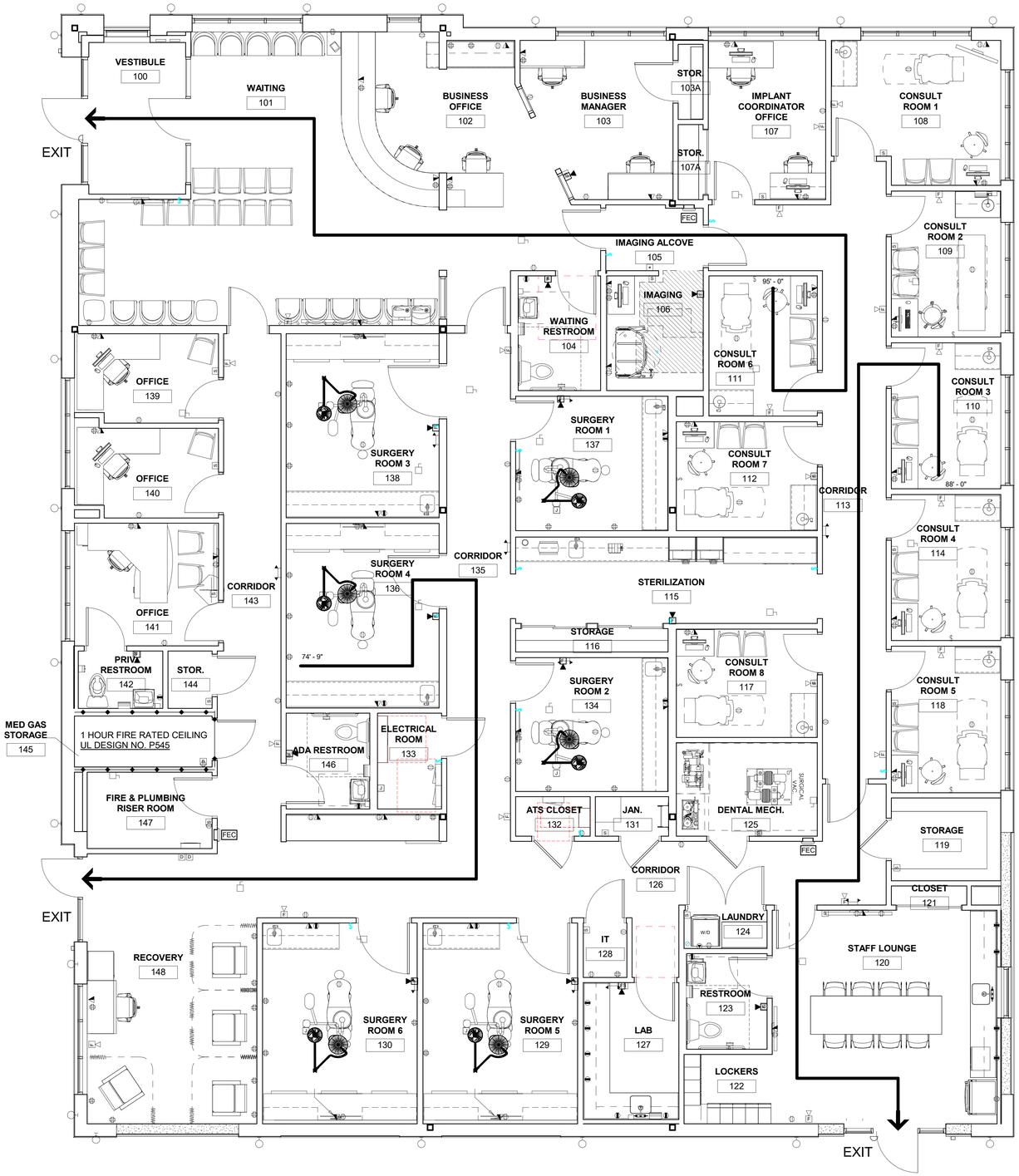
DATE:	03/28/25
SCALE:	AS NOTED

DETAILS

C900



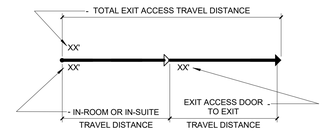
1 LS101 LIFE SAFETY PLAN
1/4" = 1'-0"

LEGEND

- S S S S — ABLE TO RESIST PASSAGE OF SMOKE
- ◆ ◆ ◆ ◆ — 1 HOUR FIRE
- ◆S ◆S ◆S — 1 HOUR FIRE / SMOKE
- ◆◆ ◆◆ ◆◆ — 2 HOUR FIRE
- ◆◆S ◆◆S — 2 HOUR FIRE / SMOKE
- ◆◆◆ ◆◆◆ — 3 HOUR FIRE
- ◆◆◆S ◆◆◆S — 3 HOUR FIRE / SMOKE
- ◆◆◆◆ ◆◆◆◆ — 4 HOUR FIRE
- ◆◆◆◆S — 4 HOUR FIRE / SMOKE
- ● ● ● ● — SMOKE BARRIER
- FEC — FIRE EXTINGUISHER CABINET
- FE — FIRE EXTINGUISHER
- FHV — FIRE HOSE VALVE CABINET OR STANDPIPE CONNECTION
- ANN — FIRE ALARM ANNUNCIATOR PANEL
- FIRE DEPARTMENT CONNECTION
- EXIT STAIR
- EXIT
- AREA OF RESCUE
- EXIT ACCESS CORRIDOR

LIMITED PROTECTION EXIT PATH. ALL WALLS TOUCHING THIS CORRIDOR SHALL BE CONSTRUCTED AS SMOKE PARTITIONS PER IBC 407.3 AND NFPA 101 18.3.6

EGRESS PATH/ TRAVEL DISTANCE



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1046 Wentzville Parkway
Wentzville, MO 63385

Revisions:

No:	Date:	Description:

Sheet Info:

LIFE SAFETY PLAN

Drawn By:	SGW
Checked By:	DGC
Commission:	025-2117
Date:	2025-03-28

LS101

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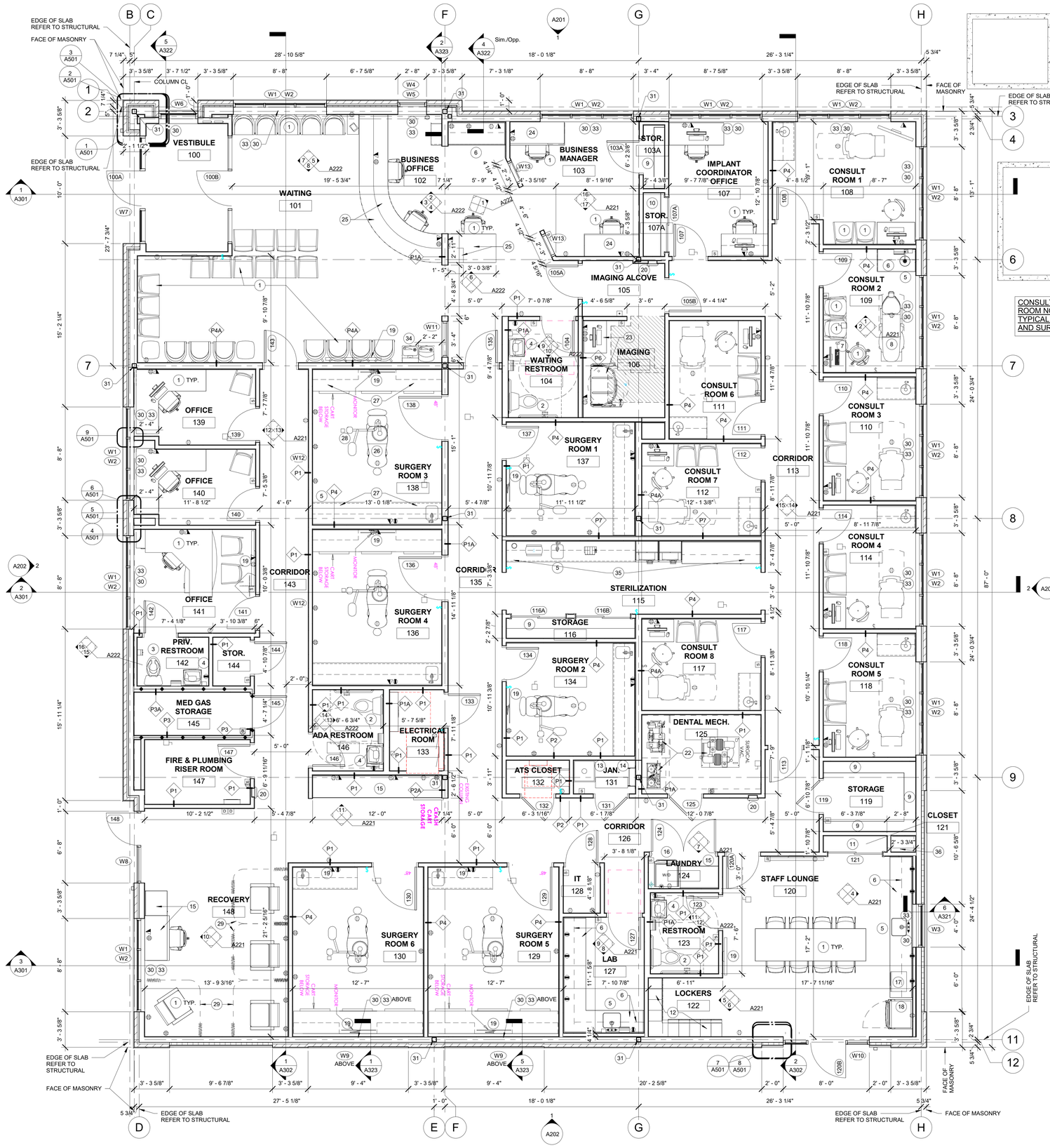

1 A101 FIRST FLOOR PLAN
1/4" = 1'-0"

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FLOOR PLAN GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO CIVIL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DOCUMENTS FOR ADDITIONAL INFORMATION.
3. INTERIOR WALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD.
4. REFER TO THE ROOM FINISH PLAN AND LEGEND, DOOR SCHEDULE AND WALL TYPES FOR ADDITIONAL INFORMATION.
5. THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
6. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS.
7. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.
8. ALL FURNITURE AND EQUIPMENT INDICATED ON PLAN IS FOR REFERENCE ONLY (OWNER PROVIDED AND INSTALLED), UNLESS OTHERWISE INDICATED.
9. THE CONTRACTOR SHALL PROVIDE WOOD BLOCKING OR HEAVY GAUGE SHEET METAL BLOCKING AS REQUIRED FOR THE INSTALLATION OF ALL MILLWORK, TOILET ACCESSORIES, HANDRAILS, EQUIPMENT, ETC.
10. PROVIDE CONTROL JOINTS ON THE STRIKE SIDE OF ALL DOOR JAMBS LOCATED IN NEW PARTITIONS. MAXIMUM SPACING FOR GWB CONTROL JOINTS TO BE 30'-0". REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL LOCATIONS.
11. PENETRATIONS THROUGH FIRE RATED WALLS/CEILINGS SHALL BE FIRESTOPPED BY THE RESPECTIVE TRADE CONTRACTOR. PROVIDE A FIRESTOPPING MATERIAL EQUAL TO THE FIRE RATING OF THE WALL, FLOOR, CEILING OR ROOF BEING PENETRATED.
12. ALL WALLS TO BE PARTITION TYPE P2 UNLESS NOTED OTHERWISE. REFER TO SHEET A601 FOR PARTITION TYPES.
13. REFER TO SPECIFICATIONS FOR REQUIRED INTERIOR SIGNAGE. COORDINATE FINAL LOCATION OF NON-ROOM SPECIFIC SIGNAGE WITH OWNER.
14. ALL PLUMBING WALLS AND EXTERIOR WINDOW HEADS/JAMBS THAT ARE TO HAVE GWB ARE TO HAVE MOISTURE RESISTANT GWB.
15. NOTATIONS IN CONSULT ROOM 109 ARE TYPICAL FOR ALL CONSULT ROOMS.NOTATIONS IN SURGERY ROOM 3 ARE TYPICAL FOR ALL SURGERY ROOMS.
16. ALL WALLS IN VESTIBULE 100 AND WAITING 101 TO HAVE A LEVEL 5 GWB FINISH. IN ALL ROOMS WITH EXTERIOR WINDOWS, THE WALLS PERPENDICULAR TO THE EXTERIOR WALLS ARE TO HAVE A LEVEL 5 GWB FINISH.

KEYED NOTES - FLOOR PLAN

1	FURNITURE. OWNER FURNISHED, OWNER INSTALLED.
2	ACCESSIBLE WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
3	STANDARD WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
4	ACCESSIBLE WALL HUNG LAVATORY. REFER TO PLUMBING DOCUMENTS.
5	SINK. REFER TO PLUMBING DOCUMENTS.
6	PLASTIC LAMINATE BASE/WALL CABINETS AND SOLID SURFACE COUNTERTOP. REFER TO THE INTERIOR ELEVATIONS.
7	PLASTIC LAMINATE WORK SURFACE. REFER TO THE INTERIOR ELEVATIONS.
8	DENTAL CHAIR, TYP. OWNER FURNISHED, OWNER INSTALLED.
9	(5) ROWS OF 12" DEEP WHITE PLASTIC LAMINATE SHELVES ON ADJUSTABLE SHELF STANDARDS. INSTALL BLOCKING AS REQUIRED.
10	(5) ROWS OF 18" DEEP WHITE PLASTIC LAMINATE SHELVES ON ADJUSTABLE SHELF STANDARDS.
11	COAT ROD W/ WHITE PLASTIC LAMINATE SHELF.
12	LOCKERS BY OWNER.
13	MOP SINK. REFER TO PLUMBING DOCUMENTS.
14	STEEL ROOF ACCESS LADDER, PAINTED. REFER TO DETAIL 2/A141.
15	PLASTIC LAMINATE BASE CABINETS AND COUNTERTOP. REFER TO THE INTERIOR ELEVATIONS.
16	STACKABLE WASHER/DRYER. REFER TO THE EQUIPMENT SCHEDULE, PLUMBING AND ELECTRICAL DOCUMENTS.
17	MICORWAVE. OWNER FURNISHED, OWNER INSTALLED.
18	REFRIGERATOR. OWNER FURNISHED, OWNER INSTALLED.
19	WALL MOUNTED MONITOR. OWNER FURNISHED, OWNER INSTALLED. INSTALL WALL BLOCKING AS REQUIRED. REFER TO ELECTRICAL DOCUMENTS.
20	SEMI RECESSED FIRE EXTINGUISHER CABINET (FPC-1) AND FIRE EXTINGUISHER (FE-1).
22	DENTAL MECHANICAL EQUIPMENT. OWNER FURNISHED, OWNER INSTALLED.
23	IMAGING EQUIPMENT AND WORKSTATION. OWNER FURNISHED, OWNER INSTALLED.
24	PLASTIC LAMINATE DESK. REFER TO THE INTERIOR ELEVATIONS.
25	PLASTIC LAMINATE RECEPTION CASEWORK WITH SOLID SURFACE TOPS. REFER TO THE INTERIOR ELEVATIONS.
26	SURGICAL CHAIR, TYP. OWNER FURNISHED, OWNER INSTALLED.
27	SURGICAL CASEWORK, TYP. OWNER FURNISHED, OWNER INSTALLED.
28	CEILING SURGICAL LIGHT, TYP. OWNER FURNISHED, OWNER INSTALLED. REFER TO REFLECTED CEILING PLAN.
29	PRIVACY CURTAINS. REFER TO THE REFLECTED CEILING PLAN.
30	SOLID SURFACE WINDOW SILL.
31	COLUMN. REFER TO STRUCTURAL DOCUMENTS.
33	WINDOW SHADES. REFER TO THE PROJECT SPECIFICATIONS.
34	HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER. REFER TO THE PLUMBING DOCUMENTS.
35	STERILIZATION CASEWORK. OWNER FURNISHED, OWNER INSTALLED.
36	STORM WATER DROP AND OVERFLOW DRAIN. REFER TO PLUMBING AND CIVIL DOCUMENTS.

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Wentzville, MO 63385

Revisions:

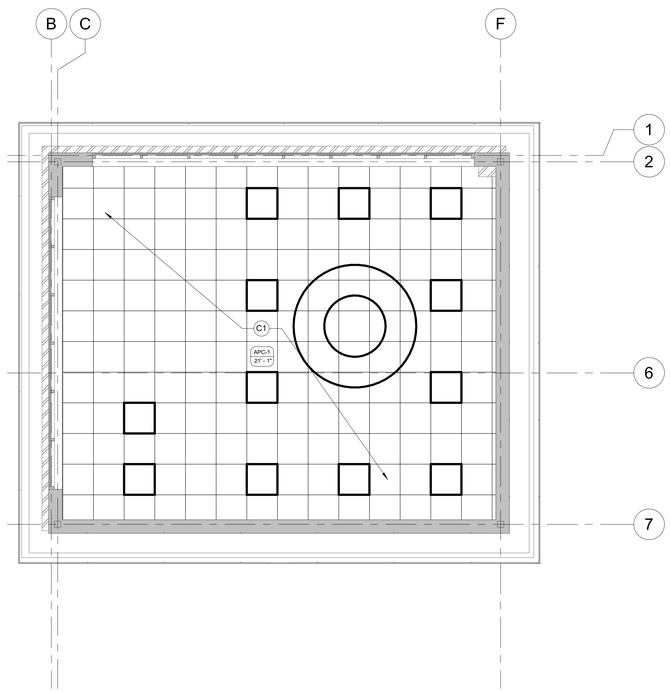
No:	Date:	Description:

Sheet Info:

FIRST FLOOR PLAN

Drawn By:	SGW
Checked By:	DGC
Commission:	025-2117
Date:	2025-03-28

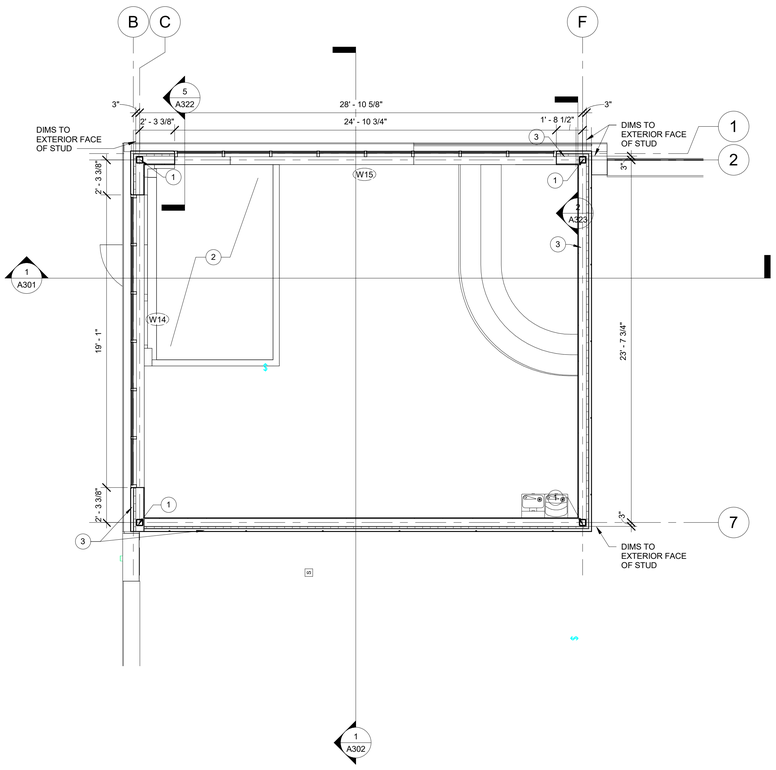
A101



2 A102 CLERESTORY CEILING PLAN
1/4" = 1'-0"

KEYED NOTES - REFLECTED CEILING PLAN

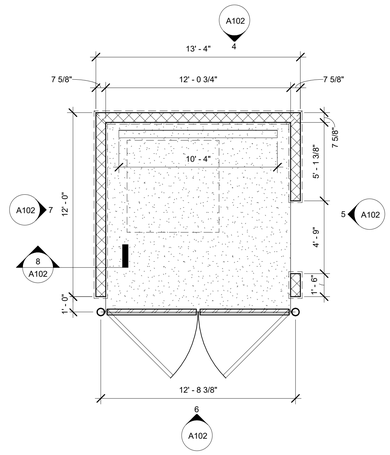
C1	2X2 ACOUSTIC PANEL CEILING TILES/GRID SYSTEM. REFER TO HVAC AND ELECTRICAL DOCUMENTS FOR LIGHTING AND DIFFUSER LOCATIONS.
C2	GWB CEILING ON THE BOTTOM OF THE TRUSSES (PAINTED). REFER TO HVAC AND ELECTRICAL DOCUMENTS FOR LIGHTING AND DIFFUSER LOCATIONS.
C3	1 HR RATED GWB CEILING ON THE BOTTOM OF THE TRUSSES (PAINTED). RATED CEILING ASSUMBLY TO BE UL DESIGN NO. P545. REFER TO HVAC AND ELECTRICAL DOCUMENTS FOR LIGHTING AND DIFFUSER LOCATIONS.
C4	GWB BULKHEAD (PAINTED). BOTTOM OF BULKHEAD TO BE 1" BELOW LOWEST ADJACENT CEILING.
C5	NEW GWB BULKHEAD (PAINTED). BOTTOM OF BULKHEAD TO BE AT 9'-2" AFF.
C6	GWB BULKHEAD (PAINTED). BOTTOM OF BULKHEAD TO BE FLUSH WITH GWB CEILING ON THE BOTTOM OF THE TRUSSES. TOP OF BULKHEAD TO EXTEND TO ROOF DECK ABOVE.
C7	PRIVACY CURTAIN/TRACK. REFER TO FINISH PLAN AND PROJECT SPECIFICATIONS.
C8	EXTEND WALL FRAMING/GWB AT ROOF ACCESS LADDER LOCATION TO FORM A SEALED/FINISHED ENCLOSURE UP TO THE ROOF DECK ABOVE. GWB TO BE PAINTED.
C9	T.O. WALL OPENING TO BE AT 7'-0" AFF.
C10	CEILING SURGICAL LIGHT. REFER TO STRUCTURAL FOR SUPPORT DETAIL.



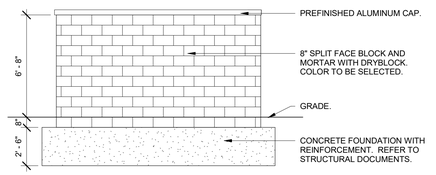
1 A102 CLERESTORY PLAN
1/4" = 1'-0"

KEYED NOTES - CLERESTORY PLAN

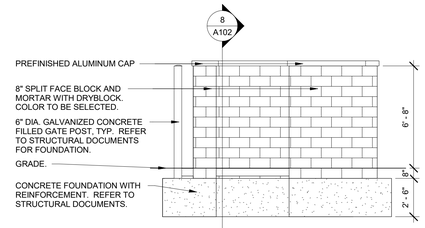
1	COLUMN. REFER TO STRUCTURAL DOCUMENTS.
2	PLATFORM ABOVE THE VESTIBULE BELOW. REFER TO THE WALL SECTIONS AND STRUCTURAL DOCUMENTS.
3	REFER TO EXTERIOR WALL SECTIONS/DETAILS FOR WALL CONSTRUCTION.



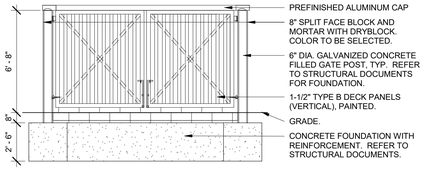
3 A102 DUMPSTER ENCLOSURE PLAN
1/4" = 1'-0"



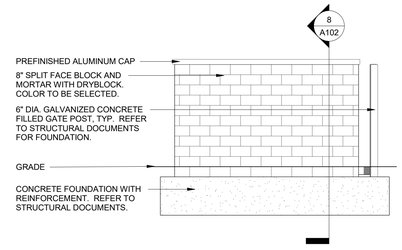
4 A102 DUMPSTER ENCLOSURE - BACK
1/4" = 1'-0"



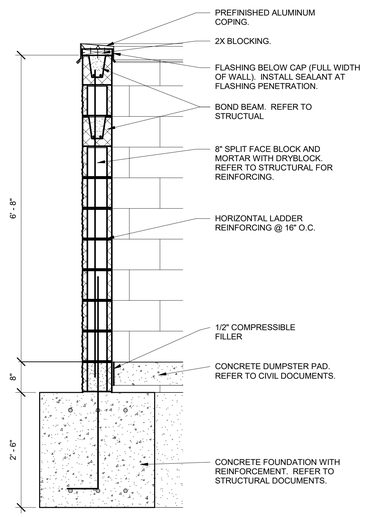
5 A102 DUMPSTER ENCLOSURE - RIGHT SIDE
1/4" = 1'-0"



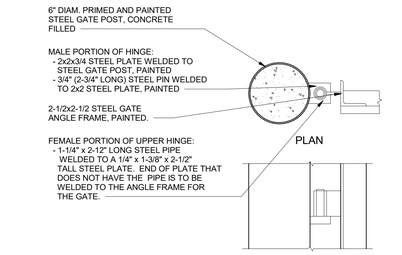
6 A102 DUMPSTER ENCLOSURE - FRONT
1/4" = 1'-0"



7 A102 DUMPSTER ENCLOSURE - LEFT SIDE
1/4" = 1'-0"



8 A102 DUMPSTER ENCLOSURE WALL SECTION
3/4" = 1'-0"



9 A102 GATE DETAILS
1/2" = 1'-0"

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Revisions:

No:	Date:	Description:

Sheet Info:
CLERESTORY PLANS AND DUMPSTER ENCLOSURE PLAN/DETAILS

Drawn By:	SGW
Checked By:	DGC
Commission:	025-2117
Date:	2025-03-28

A102

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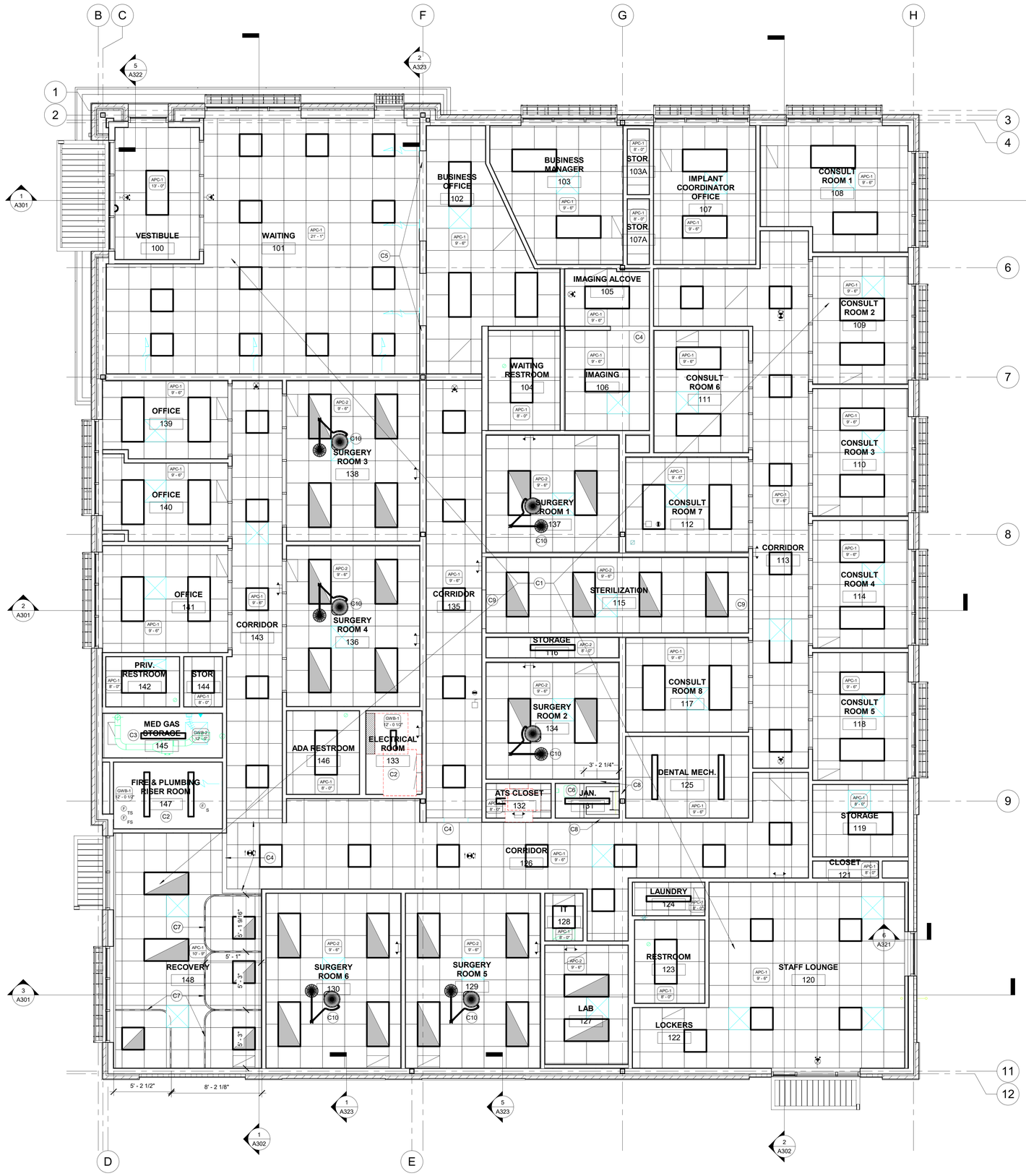


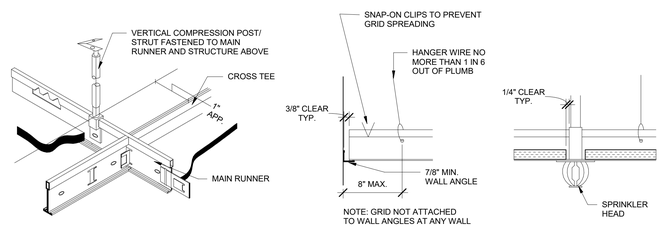
1 A121 REFLECTED CEILING PLAN
1/4" = 1'-0"

REFLECTED CEILING GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DOCUMENTS FOR ADDITIONAL INFORMATION.
3. INTERIOR WALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD.
4. REFER TO ROOM FINISH PLAN AND LEGEND FOR CEILING HEIGHTS AND TYPES.
5. THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
6. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS.
7. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.
8. PENETRATIONS THROUGH NEW FIRE RATED WALLS/CEILINGS SHALL BE FIRESTOPPED BY THE RESPECTIVE TRADE CONTRACTOR. PROVIDE A FIRESTOPPING MATERIAL EQUAL TO THE FIRE RATING OF THE WALL, FLOOR, CEILING OR ROOF BEING PENETRATED.
9. INSTALL (1) LAYER OF 5/8" TYPE "X" GWB ON THE BOTTOM OF THE ROOF TRUSSES THROUGHOUT THE BUILDING EXCEPT IN MEDGAS STORAGE 145 AND THE CLERESTORY. MEDGAS STORAGE 145 IS TO HAVE A RATED GWB CEILING ASSEMBLY. ALL JOINTS TO BE TAPED AND MUDDED TO CONTAIN THE ABOVE CEILING PLENUM.
10. ALL EXPOSED GWB CEILING AREAS TO BE LEVEL 4 FINISH (PAINTED).

KEYED NOTES - REFLECTED CEILING PLAN

C1	2X2 ACOUSTIC PANEL CEILING TILES/GRID SYSTEM. REFER TO HVAC AND ELECTRICAL DOCUMENTS FOR LIGHTING AND DIFFUSER LOCATIONS.
C2	GWB CEILING ON THE BOTTOM OF THE TRUSSES (PAINTED). REFER TO HVAC AND ELECTRICAL DOCUMENTS FOR LIGHTING AND DIFFUSER LOCATIONS.
C3	1 HR RATED GWB CEILING ON THE BOTTOM OF THE TRUSSES (PAINTED). RATED CEILING ASSUMBLY TO BE UL DESIGN NO. P545. REFER TO HVAC AND ELECTRICAL DOCUMENTS FOR LIGHTING AND DIFFUSER LOCATIONS.
C4	GWB BULKHEAD (PAINTED). BOTTOM OF BULKHEAD TO BE 1" BELOW LOWEST ADJACENT CEILING.
C5	NEW GWB BULKHEAD (PAINTED). BOTTOM OF BULKHEAD TO BE AT 9'-2" AFF.
C6	GWB BULKHEAD (PAINTED). BOTTOM OF BULKHEAD TO BE FLUSH WITH GWB CEILING ON THE BOTTOM OF THE TRUSSES. TOP OF BULKHEAD TO EXTEND TO ROOF DECK ABOVE.
C7	PRIVACY CURTAIN/TRACK. REFER TO FINISH PLAN AND PROJECT SPECIFICATIONS.
C8	EXTEND WALL FRAMING/GWB AT ROOF ACCESS LADDER LOCATION TO FORM A SEALED/FINISHED ENCLOSURE UP TO THE ROOF DECK ABOVE. GWB TO BE PAINTED.
C9	T.O. WALL OPENING TO BE AT 7'-0" AFF.
C10	CEILING SURGICAL LIGHT. REFER TO STRUCTURAL FOR SUPPORT DETAIL.



NOTE: GRID NOT ATTACHED TO WALL ANGLES AT ANY WALL

NOTES: INSTALL 4-WAY DIAGONAL 12 GA. WIRE BRACING & VERTICAL STRUT EVERY 12'-0" O.C. MAXIMUM EACH WAY ON MAIN RUNNERS, 2" MAXIMUM FROM CROSS TEES, AND WITHIN 6'-0" OF WALLS. WIRES ARE NOT SHOWN HERE FOR CLARITY. POST IS MADE UP OF 3/4" STEEL TUBING WITH .049" WALL THICKNESS . MAXIMUM UNSUPPORTED LENGTH IS 5'-2". IF MORE THAN 5'-2" IS REQUIRED, NOTIFY ARCHITECT. POST TO HAVE SPRING AND CONNECTION FITTINGS AT TOP AND BOTTOM. (APPROXIMATE ALLOWABLE VERTICAL MOVEMENT IS 1/2" UNDER SEISMIC ACTION). INSTALL ACCORDING TO MANUFACTURER'S DIRECTIONS. POST ASSEMBLIES ARE AVAILABLE FROM DONN CORPORATION.
NOTE: COMPLY WITH CISCA RECOMMENDATIONS FOR SEISMIC ZONES 0-2 (2004) AND ASCE 7-02 REQUIREMENTS FOR SEISMIC DESIGN CATEGORY C.
NOTE: PROVIDE SEISMIC BRACING FOR LIGHT FIXTURES TO MEET CODE.

2 A121 CEILING SUSPENSION DETAIL
1 1/2" = 1'-0"

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Wentzville, MO 63385

Revisions:

No:	Date:	Description:

Sheet Info:

REFLECTED CEILING PLAN

Drawn By:	SGW
Checked By:	DGC
Commission:	025-2117
Date:	2025-03-28

A121

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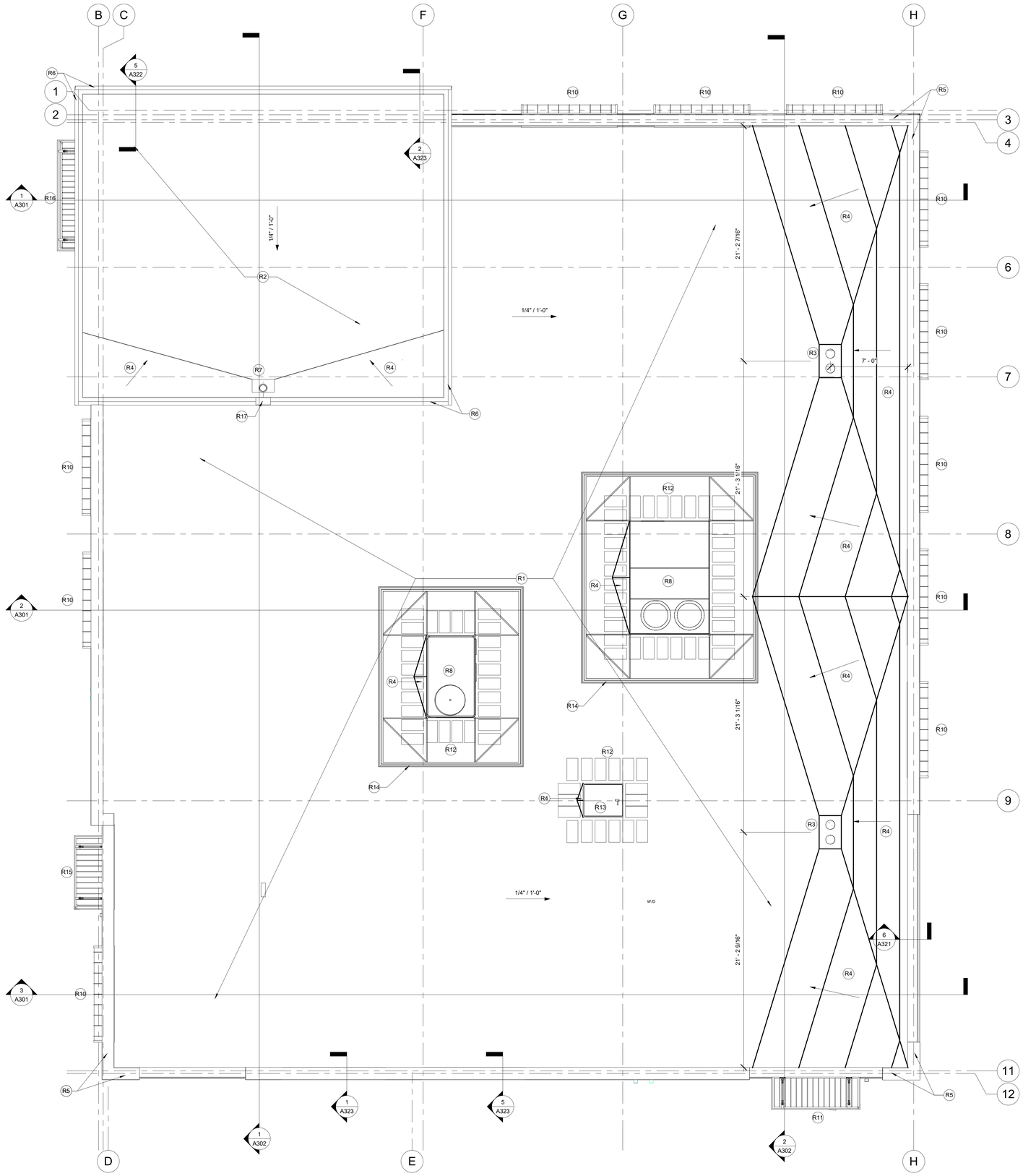


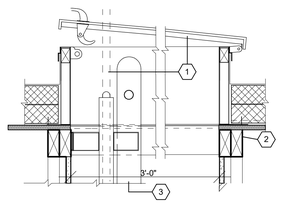
1 A141 ROOF PLAN
1/4" = 1'-0"

ROOF PLAN GENERAL NOTES

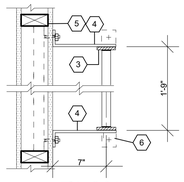
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DOCUMENTS FOR ADDITIONAL INFORMATION.
3. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS.
4. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.

KEYED NOTES - ROOF PLAN

R1	60 MIL FULLY ADHERED TPO ROOFING MEMBRANE OVER 2 LAYERS OF POLYISO INSULATION (BOTTOM LAYER 2.6" MECHANICALLY FASTENED, TOP LAYER 2.6" ADHERED - STAGGER JOINTS) - R30 TOTAL OVER 5/8" PLYWOOD DECK AND PRE-ENGINEERED WOOD TRUSSES (1/4" / 1'-0" STRUCTURAL SLOPE). REFER TO STRUCTURAL.
R2	60 MIL FULLY ADHERED TPO ROOFING MEMBRANE OVER 2 LAYERS OF POLYISO INSULATION (BOTTOM LAYER 2.6" MECHANICALLY FASTENED, TOP LAYER 2.6" ADHERED - STAGGER JOINTS) - R30 TOTAL OVER 5/8" PLYWOOD DECK AND 6" METAL JOISTS (1/4" / 1'-0" STRUCTURAL SLOPE). REFER TO STRUCTURAL.
R3	ROOF DRAIN AND OVERFLOW. ROOF DRAIN DROP TO BE ROUTED TO STORM SEWER PIPING. OVERFLOW DRAIN DROP TO BE PIPED TO SHEEPS TONGUE THAT SPILLS ON SITE. REFER TO PLUMBING AND CIVIL DOCUMENTS.
R4	POLYISO INSULATION ROOF CRICKET OVER BASE ROOF INSULATION (1/2" PER 1'-0" CRICKET SLOPE).
R5	PREFINISHED ALUMINUM COPING.
R6	PREFINISHED ALUMINUM ROOF EDGING.
R7	ROOF DRAIN FOR CLERESTORY ROOF. DRAIN LINE TO EXTEND DOWN THROUGH THE ROOF/SOFFIT. REFER TO PLUMBING DOCUMENTS. PROVIDE A SPLASH ON THE ROOF BELOW. REFER TO SECTIONS AND DETAIL FOR DOWNSPOUT ENCLOSURE.
R8	ROOFTOP UNIT. REFER TO MECHANICAL DOCUMENTS.
R10	PREFABRICATED ALUMINUM AWNING BELOW. AWNING TO BE 1'-0" DEEP X 1'-2" TALL. LENGTHS VARY (REFER TO FLOOR PLAN AND EXTERIOR ELEVATIONS. AWNING BASIS OF DESIGN: LAWRENCE LFS-SL OR APPROVED EQUAL. COLOR TO BE SELECTED.
R11	PREFABRICATED METAL CANOPY BELOW. CANOPY TO BE 3'-0" DEEP X 8'-0" LONG X 12" TALL. CANOPY BASIS OF DESIGN: LAWRENCE LFS-FLA OR APPROVED EQUAL, 12" FASCIA PROFILE, 3"X6" ALUMINUM INTERLOCKING PAN DECKING, INTEGRAL SCUPPER, 3/4" STAINLESS STEEL HANGER ROD, COLOR TO BE SELECTED.
R12	ROOF WALK PADS, TYPICAL.
R13	ROOF HATCH. REFER TO 2/A141.
R14	UNIT ATTACHED, SINGLE UNIT ROOF SCREEN. HEIGHT TO BE FROM THE HIGHEST POINT OF THE UNIT TO JUST BELOW THE TOP OF THE LOWEST PARAPET, FIELD VERIFY. PANELS TO BE HORIZONTAL LOUVERED, LINEAL BAND TOP TRIM, COLOR TO BE SELECTED.
R15	PREFABRICATED METAL CANOPY BELOW. CANOPY TO BE 3'-0" DEEP X 6'-8" LONG X 12" TALL. CANOPY BASIS OF DESIGN: LAWRENCE LFS-FLA OR APPROVED EQUAL, 12" FASCIA PROFILE, 3"X6" ALUMINUM INTERLOCKING PAN DECKING, INTEGRAL SCUPPER, 3/4" STAINLESS STEEL HANGER ROD, COLOR TO BE SELECTED.
R16	PREFABRICATED METAL CANOPY BELOW. CANOPY TO BE 4'-8" DEEP X 10'-0" LONG X 12" TALL. CANOPY BASIS OF DESIGN: LAWRENCE LFS-FLA OR APPROVED EQUAL, 12" FASCIA PROFILE, 3"X6" ALUMINUM INTERLOCKING PAN DECKING, INTEGRAL SCUPPER, 3/4" STAINLESS STEEL HANGER ROD, COLOR TO BE SELECTED.
R17	16" WIDE OVERFLOW SCUPPER. REFEER TO SECTIONS.



SECTION



PLAN

KEYED NOTES:

1. ROOF SCUTTLE - 2'-6" X 3'-0" ROOF HATCH MODEL S-20 BY BILCO CO. OR APPROVED EQUAL. SECURE SCUTTLE TO ROOF FRAMING WITH THRU BOLTS ACCORDING TO MANUFACTURER'S DIRECTIONS. HINGE PINS ARE TO BE WELDED NON-REMOVABLE.
2. REFER TO STRUCTURAL DOCUMENTS FOR GIRDER TRUSS FRAMING AT PERIMETER OF OPENING
3. 2 1/2" X 3/8" FLAT STEEL BAR SIDE RAILS, AND 1" DIA. STEEL RUNGS PUNCHED INTO RAILS 12" CENTERS AND WELDED RAILS. TO BE CAPABLE OF WITHSTANDING 300 LB. LOAD.
4. PROVIDE 2 1/2" X 3/8" THICK FLAT BENT STEEL BRACKETS AT MAX. 4'-0" CENTERS. WELD TO SIDE RAILS. ANCHOR TOP TO GIRDER TRUSS FRAMING.
5. AT WOOD STUD WALL, PROVIDE 1 1/2" C.R. STEEL REINFORCING CHANNELS WITH WELDED 3/8" THRU BOLTS TO RECEIVE BRACKETS. ANCHOR TO STUDS W/ STELL ANGLE MOUNTING BRACKETS.
6. PROVIDE 2 1/2" X 2 1/2" X 3/16" WELDED CLIP ANGLES SECURED TO CONCRETE FLOOR WITH 1/2" X 2 1/2" WEDGE "RED HEAD" OR "MOLLY" ANCHOR BOLTS.

2 A141 ROOF ACCESS HATCH AND LADDER DETAILS
1 1/2" = 1'-0"

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1046 Wentzville Parkway
Wentzville, MO 63385

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ROOF PLAN

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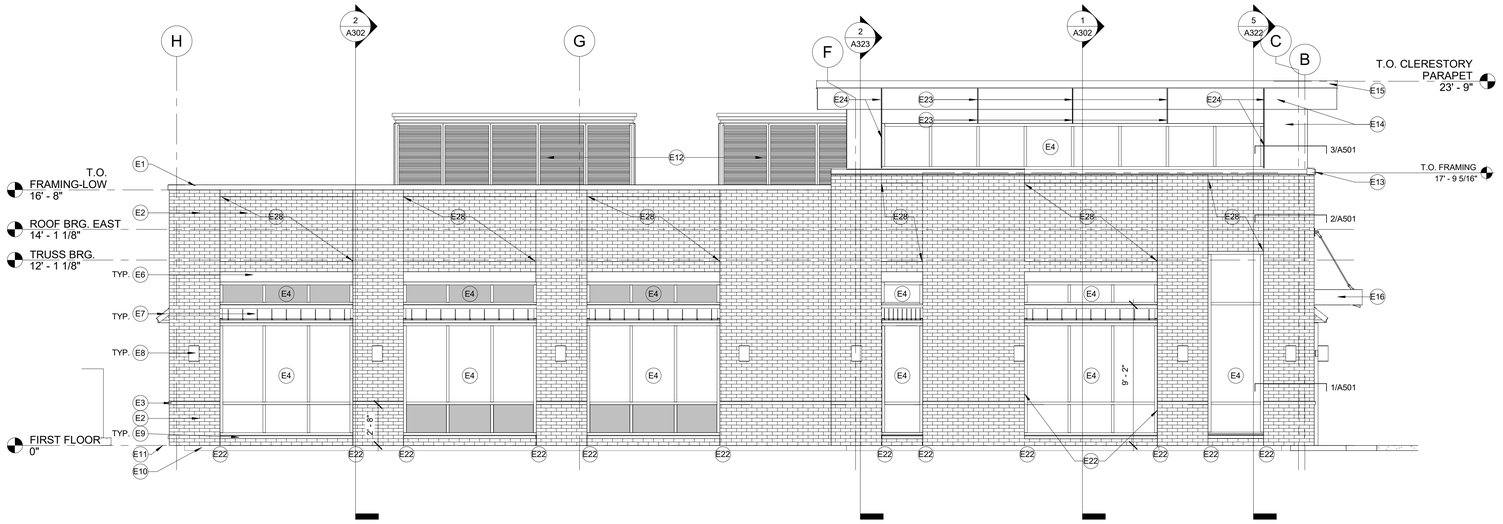
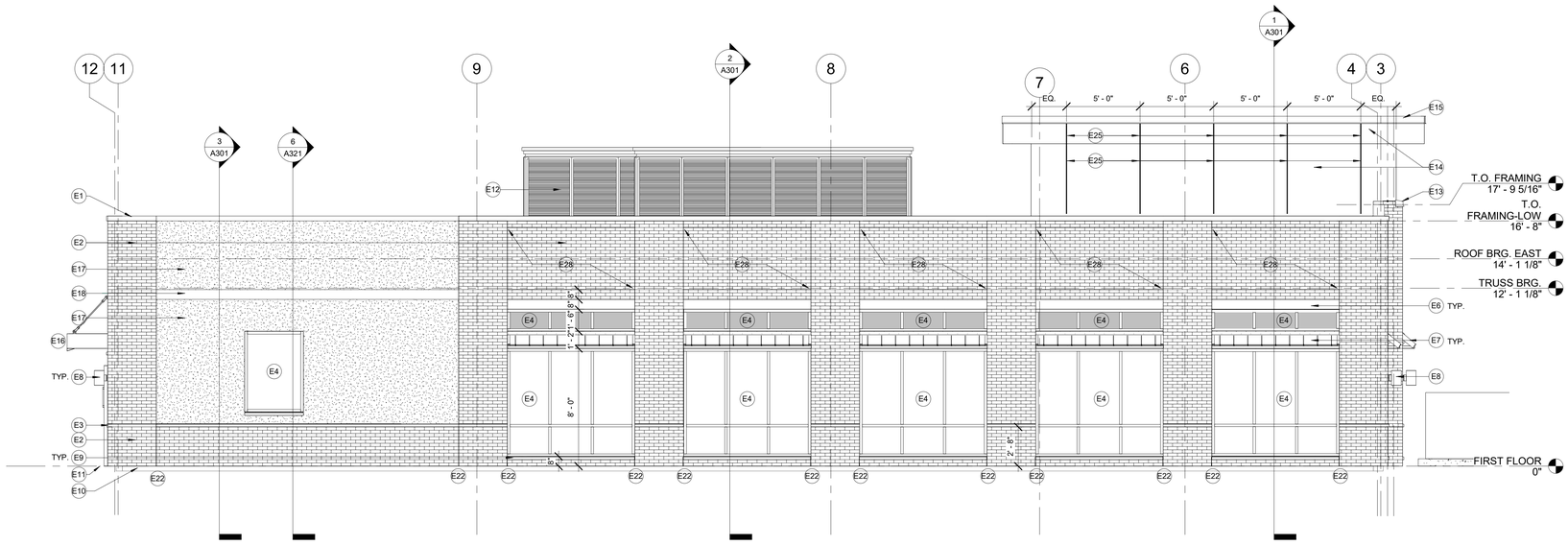


1 A201 NORTH ELEVATION
1/4" = 1'-0"



2 A201 EAST ELEVATION
1/4" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS FOR ADDITIONAL INFORMATION.
3. EXTERIOR WALL DIMENSIONS ARE FROM FACE OF MASONRY.
4. THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
5. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS AND TO PROVIDE FOR THE TIMELY INSTALLATION OF EQUIPMENT, PIPING, ETC.
6. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER SEPARATE CONTRACTS.
7. ADDRESS NUMBERS (MINIMUM 6" HIGH AND OF CONTRASTING COLOR) ARE TO BE LOCATED ON THE NORTH (WENTZVILLE PARKWAY) SIDE OF THE BUILDING. VERIFY FINAL LOCATION WITH THE FIRE DEPARTMENT.

KEYED NOTES - EXTERIOR ELEVATIONS

E1	PREFINISHED ALUMINUM COPING.
E2	FACE BRICK.
E3	CAST STONE BELT COURSE.
E4	ALUMINUM STOREFRONT WINDOW. REFER TO WINDOW TYPES, SHEET A601.
E5	ALUMINUM STOREFRONT ENTRANCE. REFER TO DOOR FRAME TYPES, SHEET A601.
E6	PREFENISHED ALUMINUM BRAKE METAL, TYP.
E7	PREFABRICATED ALUMINUM AWNING.
E8	WALL MOUNTED LIGHT FIXTURE. REFER TO ELECTRICAL DOCUMENTS.
E9	CAST STONE WINDOW SILL.
E10	CONCRETE FOUNDATION. REFER TO STRUCTURAL DOCUMENTS.
E11	GRADE.
E12	RTU MOUNTED EQUIPMENT SCREEN. REFER TO PROJECT SPECIFICATIONS AND HVAC DOCUMENTS.
E13	PREFINISHED ALUMINUM SILL FLASHING.
E14	PREFINISHED ALUMINUM COMPOSITE METAL PANELS.
E15	PREFINISHED ALUMINUM EDGE TRIM.
E16	PREFABRICATED ALUMINUM CANOPY.
E17	EXTERIOR INSULATION FINISH SYSTEM (EIFS)
E18	EXTERIOR INSULATION FINISH SYSTEM (EIFS) BAND.
E19	PREFINISHED ALUMINUM DOWNSPOUT. CONNECT TO STORM SEWER. REFER TO CIVIL DOCUMENTS.
E20	RECESSED KNOX BOX. MINIMUM SIZE TO BE THE 4400 SERIES. VERIFY FINAL LOCATION AND MOUNTING HEIGHT WITH THE FIRE DEPARTMENT.
E21	OWNER SIGNAGE. FURNISHED BY OWNER, INSTALLED BY OWNER. VERIFY FINAL LOCATION, SIZE AND MOUNTING HEIGHT WITH THE OWNER.
E22	MASONRY CONTROL JOINT.
E23	ACM JOINT. ALIGN WITH CENTER OF MULLION BELOW.
E24	ACM JOINT AT WINDOW JAMB.
E25	ACM JOINT
E26	16" WIDE OVERFLOW SCUPPER.
E27	TIE ROOF DRAIN PIPING INTO DOWNSPOUT BELOW THE SOFFIT LINE. COLOR TO MATCH ACM PANEL.
E28	1/2" DEEP BRICK RECESS.

GLAZING LEGEND

STANDARD 1" INSULATED GLAZING
REFER TO PROJECT SPECIFICATIONS

1" INSULATED SPANDREL PANEL
REFER TO PROJECT SPECIFICATIONS

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EXTERIOR ELEVATIONS

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A201

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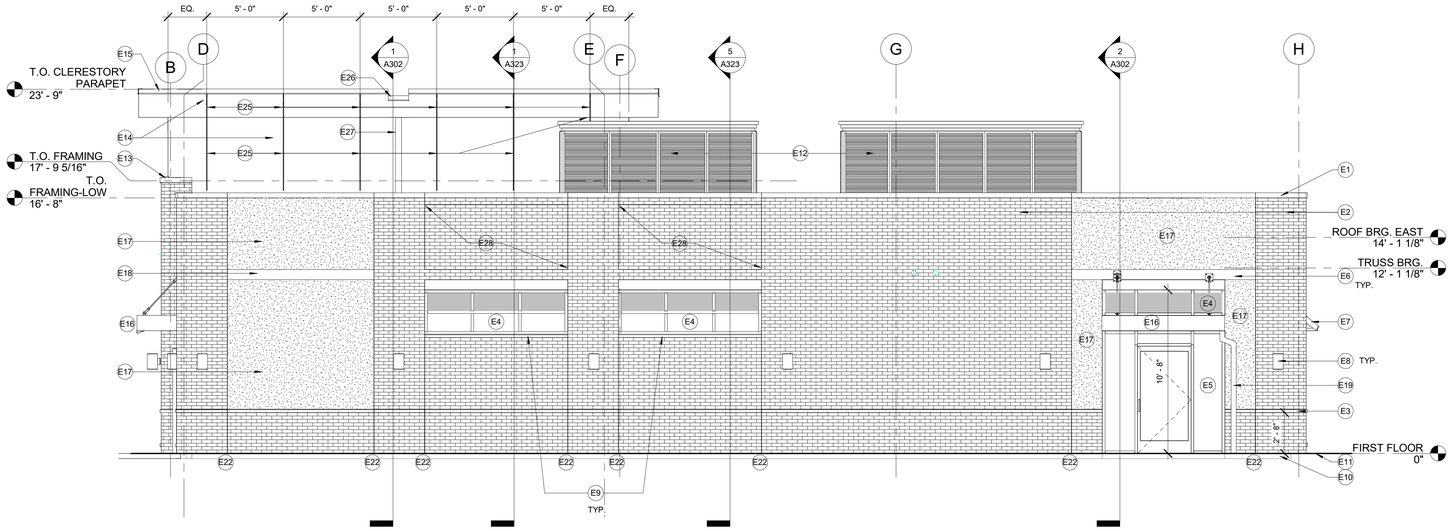
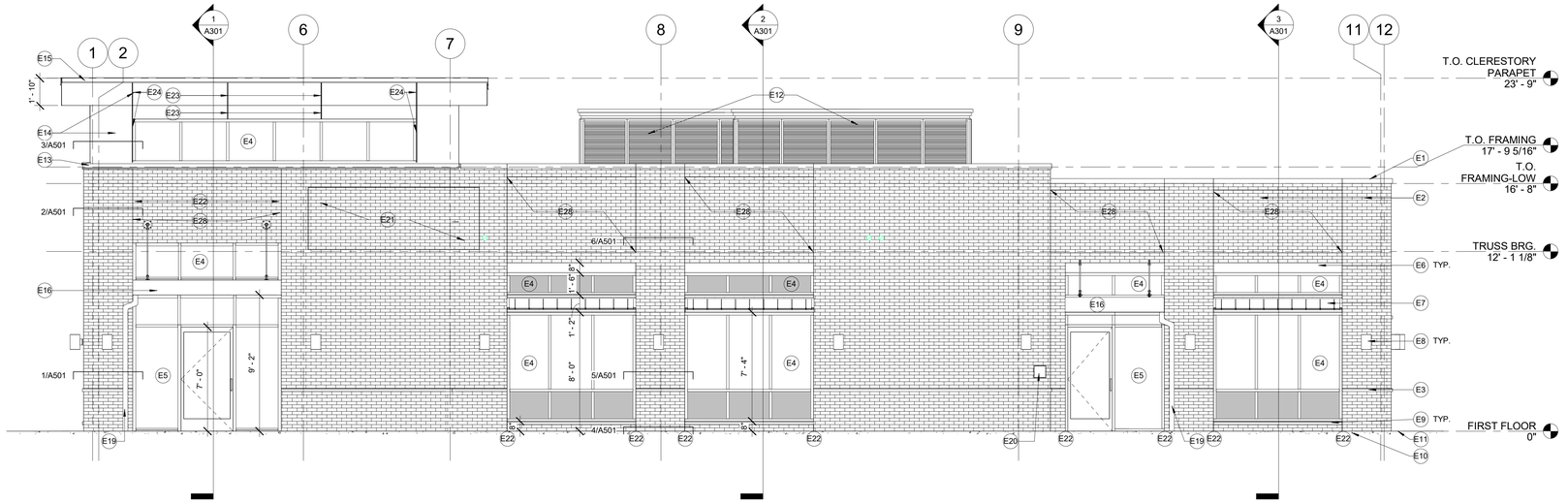


1 A202 SOUTH ELEVATION
1/4" = 1'-0"



2 A202 WEST ELEVATION
1/4" = 1'-0"

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A202

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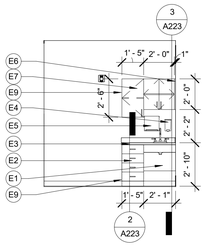
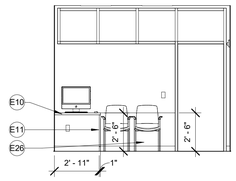


1 A221 TYP. CONSULT ROOM ELEVATION 1
1/4" = 1'-0"



2 A221 TYP. CONSULT ROOM ELEVATION 2
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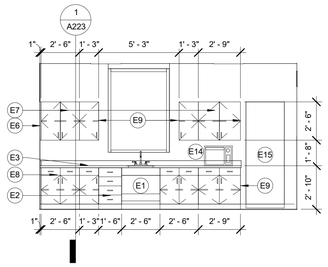

4 A221 STAFF LOUNGE 120
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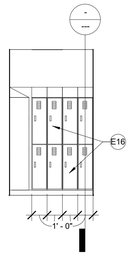

5 A221 LOCKERS 122 - WEST
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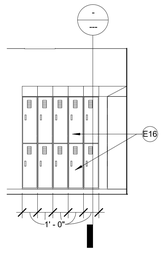

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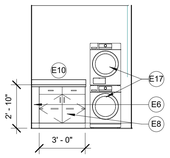
1/4" = 1'-0"



7 A221 LAUNDRY 124
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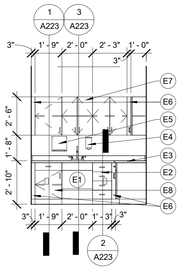
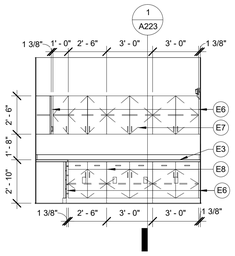


8 A221 LAB 127 - SOUTH
1/4" = 1'-0"



9 A221 LAB 127 - WEST
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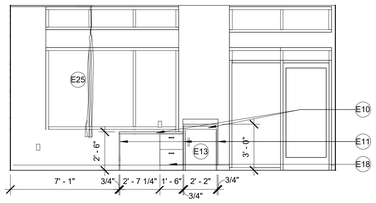

10 A221 RECOVERY 148
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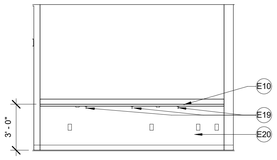
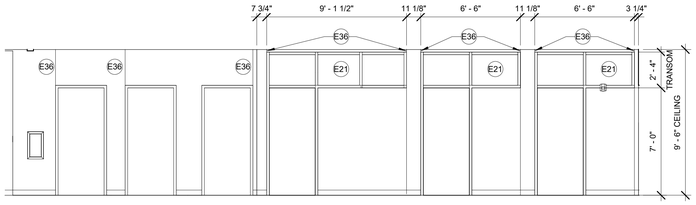


11 A221 CORRIDOR 126 - NORTH
1/4" = 1'-0"



12 A221 CORRIDOR 143 - WEST
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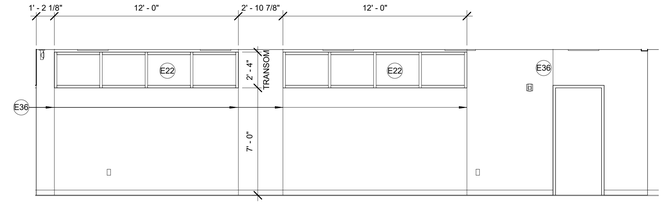

13 A221 CORRIDOR 143 - EAST
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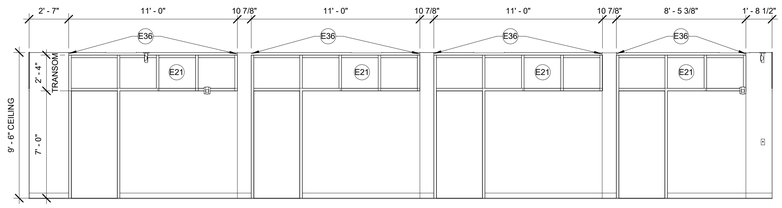

14 A221 CORRIDOR 113 - EAST
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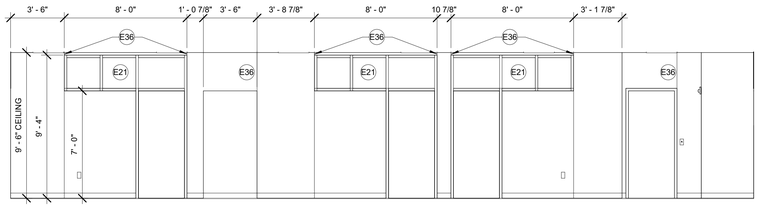
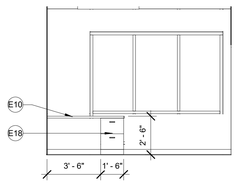


15 A221 CORRIDOR 113 - WEST
1/4" = 1'-0"



16 A221 BUSINESS MANAGER 103 - NORTH
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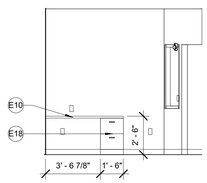

17 A221 BUSINESS MANAGER 103 - SOUTH
1/4" = 1'-0"

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INTERIOR ELEVATION GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS AND REGULATIONS.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO ANY FABRICATION OF MILLWORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.
3. ALL MILLWORK TO BE AWI "CUSTOM" GRADE.
4. ALL BASE/WALL CABINETS TO HAVE PLASTIC LAMINATE FINISH UNLESS NOTED OTHERWISE. REFER TO ROOM FINISH PLAN AND LEGEND FOR COUNTERTOP FINISH.
5. ALL FILE CABINETS ARE TO ACCOMMODATE FILE SIZE HANGING FILES. HANGING FILE RACK IS TO BE BUILT-IN.
6. ALL OUTSIDE CORNERS OF COUNTERTOPS TO HAVE A 2" RADIUS.
7. ALL BASE CABINETS AND KNEE SPACES TO HAVE VINYL BASE. PROVIDE SOLID BACKING AS REQUIRED.
8. ALL BASE CABINETS TO HAVE ONE ADJUSTABLE SHELF AND ALL WALL CABINETS TO HAVE TWO ADJUSTABLE SHELVES UNLESS NOTED OTHERWISE.
9. ALL CABINETS TO HAVE 4" WIRE PULLS.
10. PROVIDE A 3" DIA. GROMMET WITH PLASTIC INSERT AT EACH WORK SPACE / KNEE SPACE.
11. ALL OWNER PROVIDED ACCESSORIES ARE TO BE INSTALLED BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL PROVIDE FIRE RETARDANT WOOD OR HEAVY GAUGE SHEET METAL BLOCKING FOR THE INSTALLATION OF ALL MILLWORK, TOILET ACCESSORIES, HANDRAILS, ETC. AS REQUIRED.
13. PROVIDE MOLDED VINYL PIPE COVERS ON ALL EXPOSED PLUMBING AT WALL SINKS.
14. ALL COUNTERTOP SUPPORT BRACKETS TO BE PAINTED TO MATCH THE WALL COLOR UNLESS OTHERWISE NOTED.
15. OWNER PROVIDED SOAP DISPENSERS ARE TO BE INSTALLED BY THE CONTRACTOR. PROVIDE A SOAP DISPENSER AND PAPER TOWEL DISPENSER AT ALL SINKS. OTHER OWNER PROVIDED, CONTRACTOR INSTALLED ITEMS INCLUDE SHARPS CONTAINERS, PURELL DISPENSERS AND OTOSCOPES.
16. ALL COUNTERTOPS ARE TO HAVE SELF EDGE WITH COVED BACKSPLASH/ENDSPLASH.
17. REFER TO SHEET A561 FOR CASEWORK DETAILS.
18. ALL CASEWORK HINGES, SLIDES, ETC. TO BE SOFT CLOSE.
19. ALL RESTROOM DOORS TO HAVE A COAT HOOK. BASIS OF DESIGN: IVES 405.

KEYED NOTES - INTERIOR ELEVATIONS

E1	PLASTIC LAMINATE ACCESSIBLE SINK APRON TO MEET ALL CODE CLEARANCE REQUIREMENTS.
E2	PLASTIC LAMINATE DRAWER UNIT.
E3	SOLID SURFACE COUNTERTOP.
E4	SOAP DISPENSER. REFER TO EQUIPMENT SCHEDULE.
E5	PAPER TOWEL DISPENSER. REFER TO EQUIPMENT SCHEDULE.
E6	PLASTIC LAMINATE FILLER PANEL, TYP.
E7	PLASTIC LAMINATE WALL CABINETS.
E8	PLASTIC LAMINATE BASE CABINET
E9	FINISHED END.
E10	PLASTIC LAMINATE WORK SURFACE.
E11	PLASTIC LAMINATE FINISHED END / SUPPORT PANEL.
E12	UNDERCOUNTER REFRIGERATOR. REFER TO EQUIPMENT SCHEDULE.
E13	UNDERCOUNTER FREEZER. REFER TO EQUIPMENT SCHEDULE.
E14	MICROWAVE. REFER TO EQUIPMENT SCHEDULE.
E15	REFRIGERATOR. REFER TO EQUIPMENT SCHEDULE.
E16	LOCKERS BY OWNER.
E17	STACKABLE WASHER/DRYER. REFER TO EQUIPMENT SCHEDULE.
E18	PLASTIC LAMINATE FILE CABINET WITH LOCKABLE DRAWER, TYP.
E19	RAKKS CONCEALED EH-1818FM SUPPORT BRACKET. COLOR TO BE SELECTED.
E20	CRASH CART STORAGE AREA.
E21	DOOR TRANSOM/BORROWED LITE. FRAME TO BE PART OF HOLLOW METAL DOOR FRAME. REFER TO DOOR FRAME ELEVATIONS, SHEET A601.
E22	BORROWED LITE. FRAME TO BE HOLLOW METAL TO MATCH DOOR FRAMES. REFER TO WINDOW ELEVATIONS, SHEET A601.
E23	WINDOW. FRAME TO BE ALUMINUM. REFER TO WINDOW ELEVATIONS, SHEET A601.
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E25	PRIVACY CURTAIN/TRACK. REFER TO REFLECTED CEILING PLAN AND FINISH PLAN.
E26	WALL PROTECTION (WP-1). CASIS OF DESIGN: ACROVYN.
E27	POSSIBLE WALL ART LOCATION. VERIFY SIZE AND FINAL LOCATION WITH OWNER. INSTALL BLOCKING AS REQUIRED.
E28	18X36 MIRROR (MU-1). BASIS OF DESIGN:B-165.
E29	WALL HUNG LAVATORY WITH PIPE GUARDS (MOUNTED TO MEET ACCESSIBILITY REQUIREMENTS). REFER TO PLUMBING DOCUMENTS.
E30	18" GRAB BAR WITH VANDAL PROOF ANCHORS (GB-1). BASIS OF DESIGN: BOBRICK B-6806.99.
E31	36" GRAB BAR WITH VANDAL PROOF ANCHORS (GB-1). BASIS OF DESIGN: BOBRICK B-6806.99.
E32	42" GRAB BAR WITH VANDAL PROOF ANCHORS (GB-1). BASIS OF DESIGN: BOBRICK B-6806.99.
E33	TOILET TISSUE DISPENSER (TTD-1). BASIS OF DESIGN: BOBRICK B-2888.
E34	ACCESSIBLE WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
E35	STANDARD WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
E36	GWB CONTROL JOINT.
E37	SUPPLY GRILLE LOCATION. REFER TO MECHANICAL DOCUMENTS.
E38	1x3 TRIM. PAINT TO MATCH WALL COLOR.
E39	HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER.

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Missouri Center for Oral Surgery & Implants at Wentzville

1046 Wentzville Parkway
Wentzville, MO 63385

Revisions:

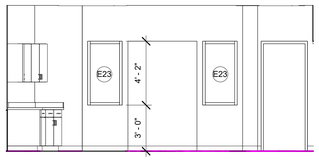
No:	Date:	Description:

Sheet Info:

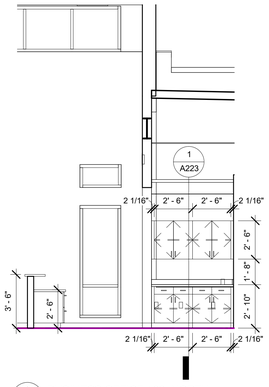
INTERIOR ELEVATIONS

Drawn By:	SGW
Checked By:	DGC
Commission:	025-2117
Date:	2025-03-28

A221



1 A222 BUSINESS OFFICE 102 - EAST
1/4" = 1'-0"



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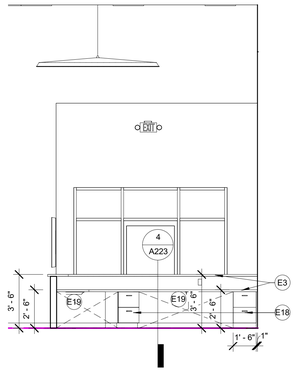

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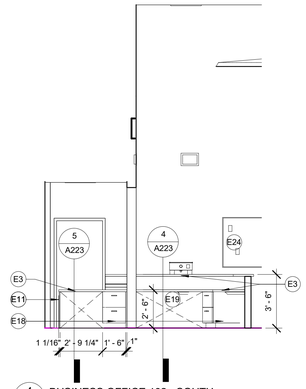

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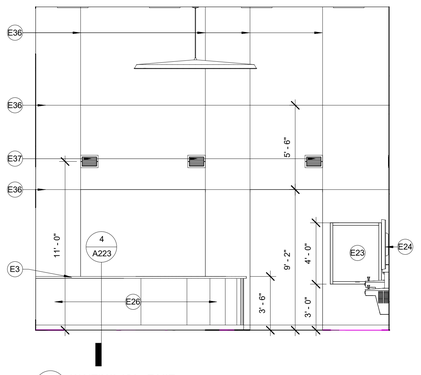
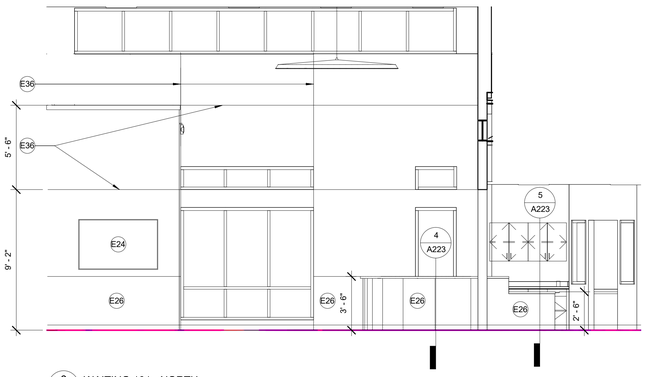


5 A222 WAITING 101 - EAST
1/4" = 1'-0"



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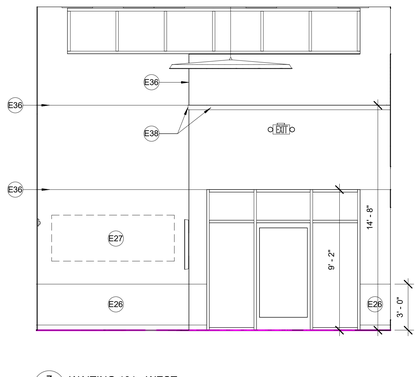

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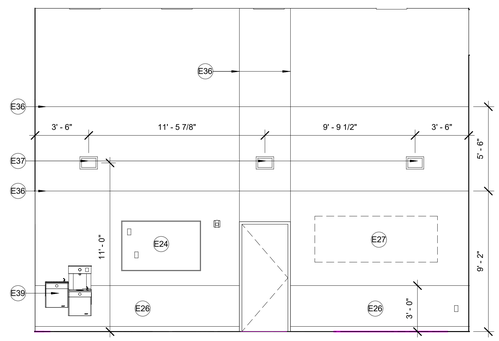

8 A222 WAITING 101 - SOUTH
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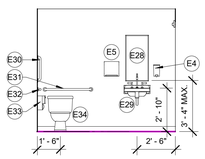

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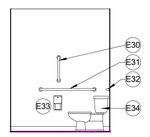

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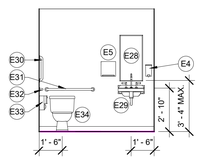

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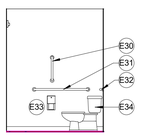

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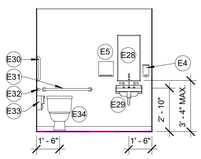

13 A222 RESTROOM 146 - EAST
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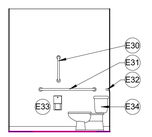

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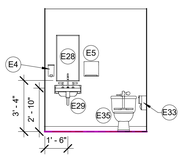
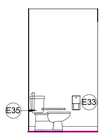


15 A222 PRIVATE RESTROOM 142 - SOUTH
1/4" = 1'-0"



16 A222 PRIVATE RESTROOM 142 - WEST
1/4" = 1'-0"

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E38	1x3 TRIM. PAINT TO MATCH WALL COLOR.
E39	HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER.

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Missouri Center for Oral Surgery & Implants at Wentzville

1046 Wentzville Parkway
Wentzville, MO 63385

Revisions:

No:	Date:	Description:

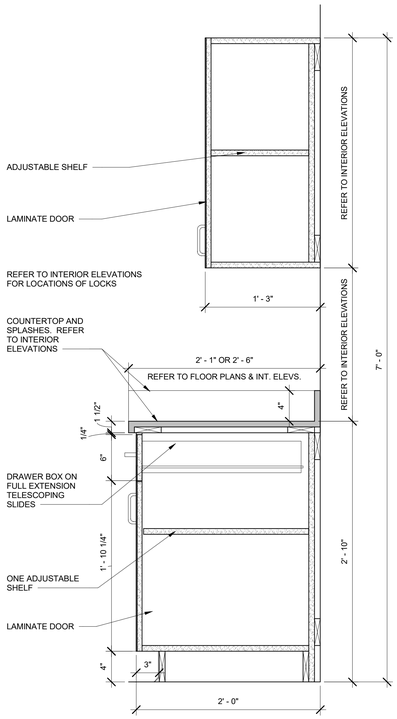
Sheet Info:

INTERIOR ELEVATIONS

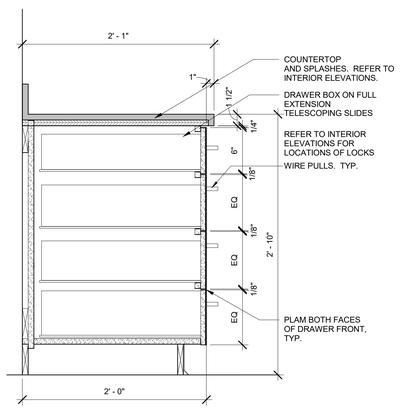
Drawn By:	SGW
Checked By:	DGC
Commission:	025-2117
Date:	2025-03-28

A222

3/28/2025 1:37:47 PM



1 A223 STANDARD CASEWORK SECTION
1 1/2" = 1'-0"



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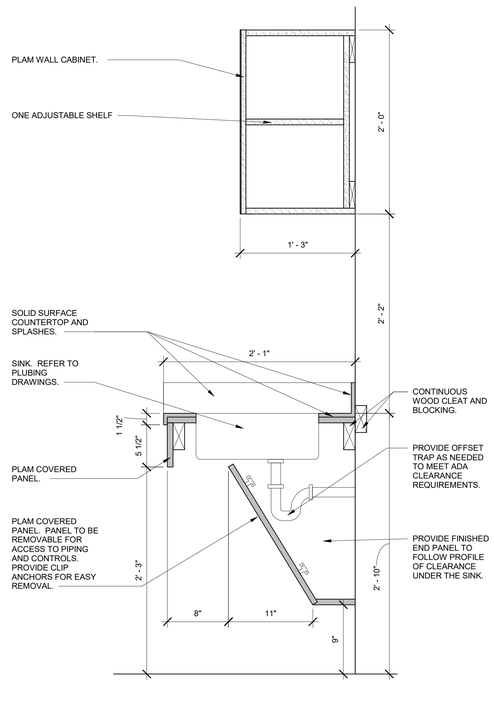

3 A223 SINK APRON CASEWORK SECTION
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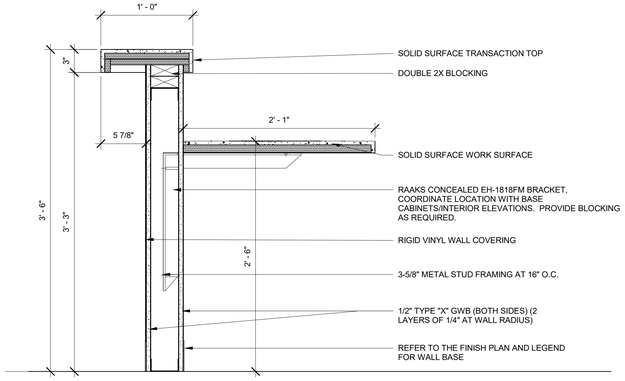

4 A223 RECEPTION TRANSACTION COUNTER SECTION
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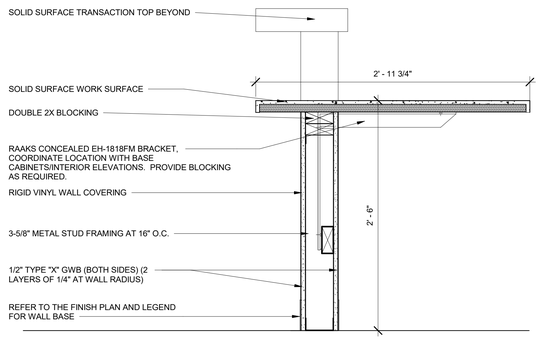

5 A223 RECEPTION LOW COUNTER SECTION
1 1/2" = 1'-0"

3/28/2025 1:37:48 PM

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www.secoady-architects.com

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Missouri Center for Oral Surgery & Implants at Wentzville

1046 Wentzville Parkway
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Revisions:

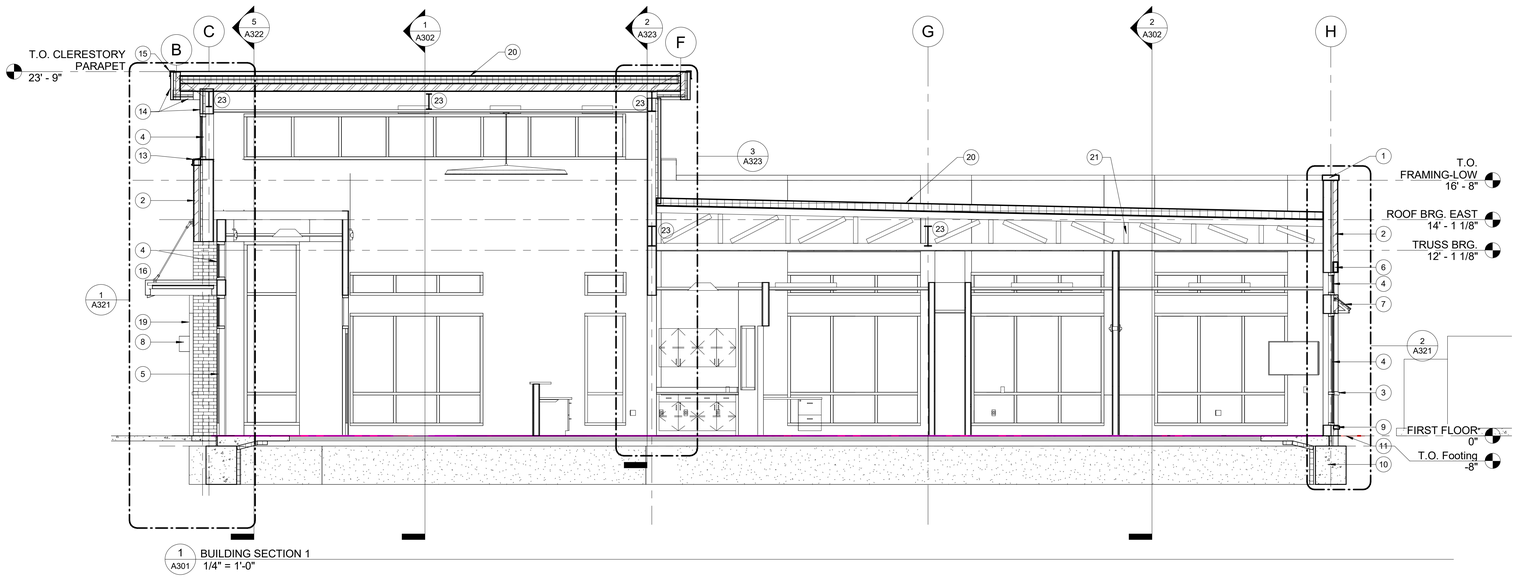
No:	Date:	Description:

Sheet Info:

CASEWORK DETAILS

Drawn By:	SGW
Checked By:	DGC
Commission:	025-2117
Date:	2025-03-28

A223



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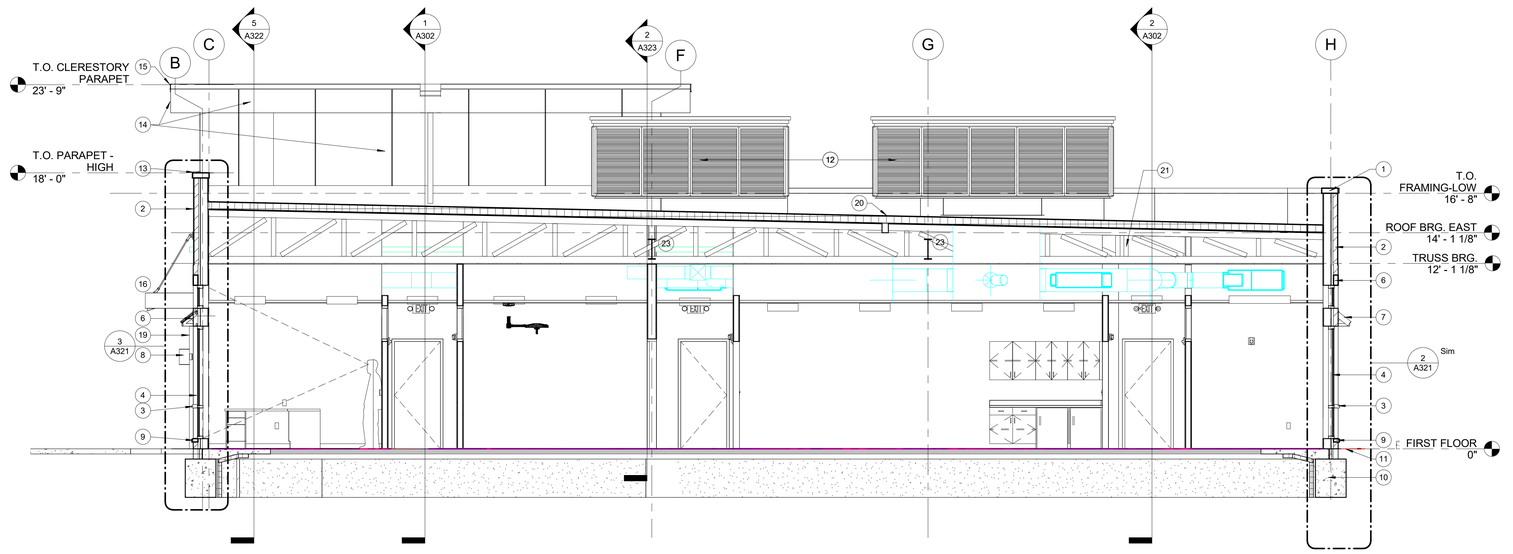

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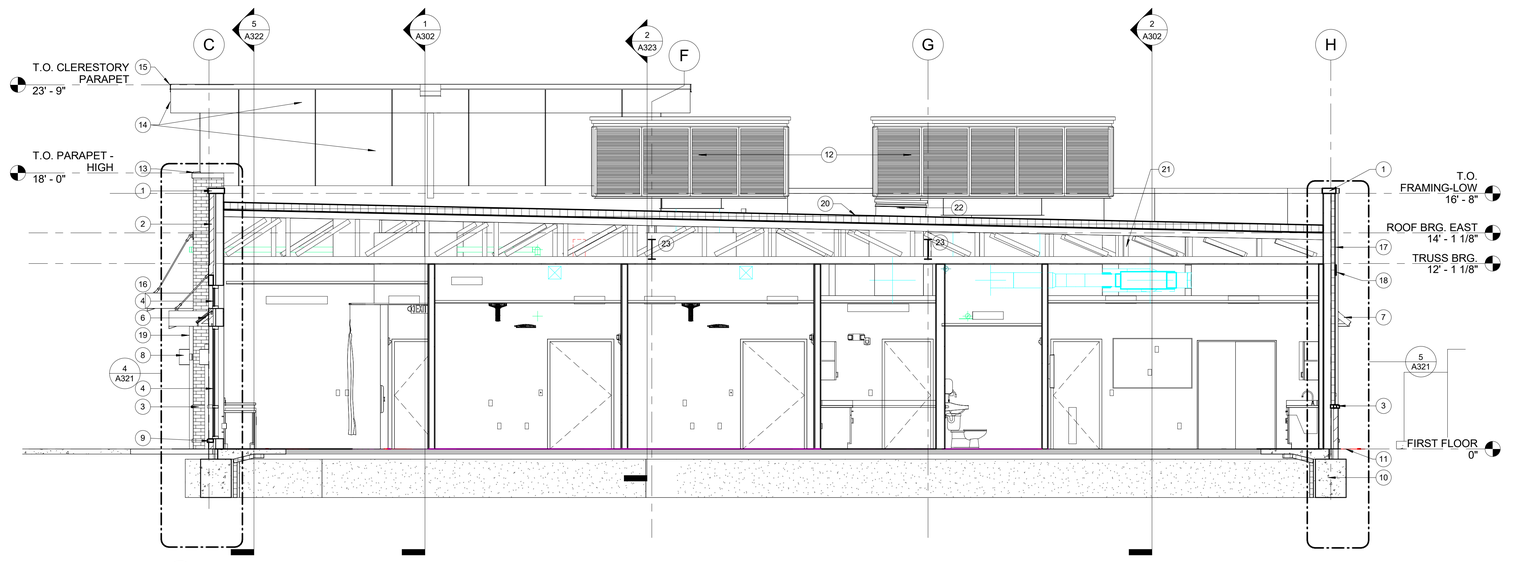

3 A301 BUILDING SECTION 3
1/4" = 1'-0"

BUILDING SECTION GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS FOR ADDITIONAL INFORMATION.
3. EXTERIOR WALL DIMENSIONS ARE FROM FACE OF MASONRY.
4. THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
5. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS AND TO PROVIDE FOR THE TIMELY INSTALLATION OF EQUIPMENT, PIPING, ETC.
6. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.

KEYED NOTES - BUILDING SECTIONS

1	PREFINISHED ALUMINUM COPING.
2	FACE BRICK.
3	LIMESTONE BELT COURSE.
4	ALUMINUM STOREFRONT WINDOW. REFER TO WINDOW TYPES, SHEET A601.
5	ALUMINUM STOREFRONT ENTRANCE. REFER TO DOOR FRAME TYPES, SHEET A601.
6	PREFENISHED ALUMINUM BREAKMETAL, TYP.
7	PREFABRICATED ALUMINUM AWNING.
8	WALL MOUNTED LIGHT FIXTURE. REFER TO ELECTRICAL DOCUMENTS.
9	LIMESTONE WINDOW SILL.
10	FOUNDATION. REFER TO STRUCTURAL DOCUMENTS.
11	GRADE.
12	RTU MOUNTED EQUIPMENT SCREEN. REFER TO PROJECT SPECIFICATIONS AND HVAC DOCUMENTS.
13	PREFINISHED ALUMINUM SILL FLASHING.
14	PREFINISHED ALUMINUM COMPOSITE METAL PANELS.
15	PREFINISHED ALUMINUM EDGE TRIM.
16	PREFABRICATED ALUMINUM CANOPY.
17	EXTERIOR INSULATION FINISH SYSTEM (EIFS)
18	EXTERIOR INSULATION FINISH SYSTEM (EIFS) BAND.
19	PREFINISHED ALUMINUM DOWNSPOUT. CONNECT TO STORM SEWER. REFER TO CIVIL DOCUMENTS.
20	60 MIL FULLY ADHERED TPO ROOFING MEMBRANE OVER 2 LAYERS OF POLYISO INSULATION
21	PRE-ENGINEERED WOOD TRUSSES @ 16" O.C. REFER TO STRUCTURAL.
22	ROOF HATCH. REFER TO ROOF PLAN.
23	STEEL BEAM. REFER TO STRUCTURAL.

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A301

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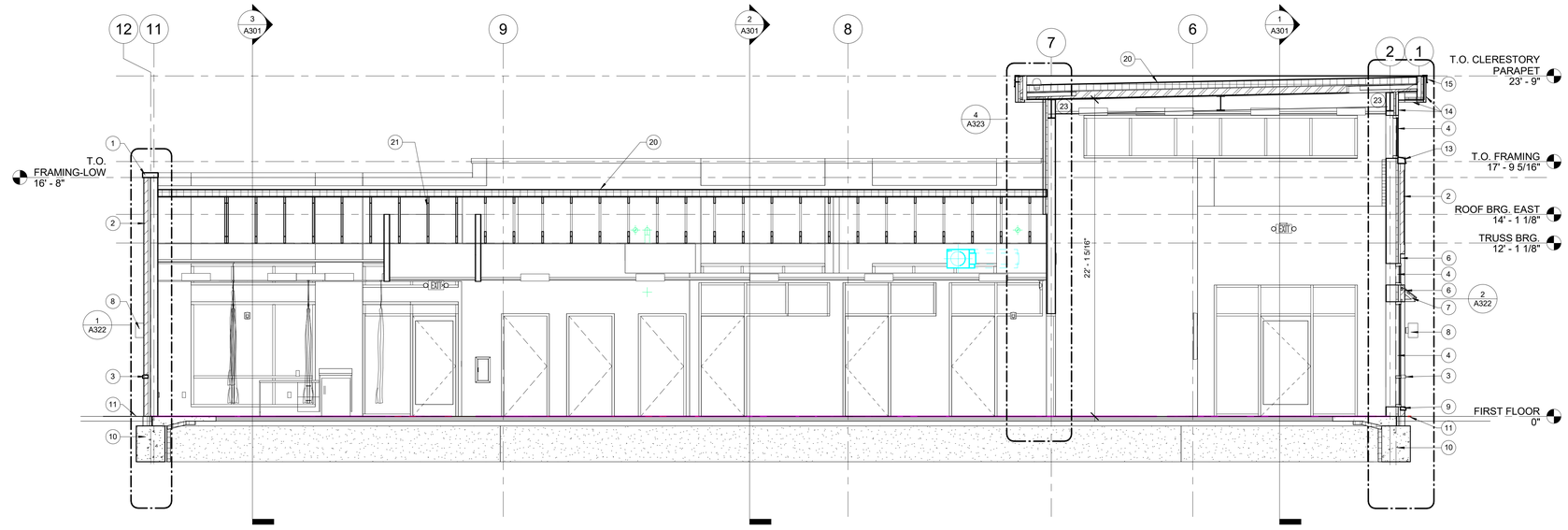

1 A302 BUILDING SECTION 4
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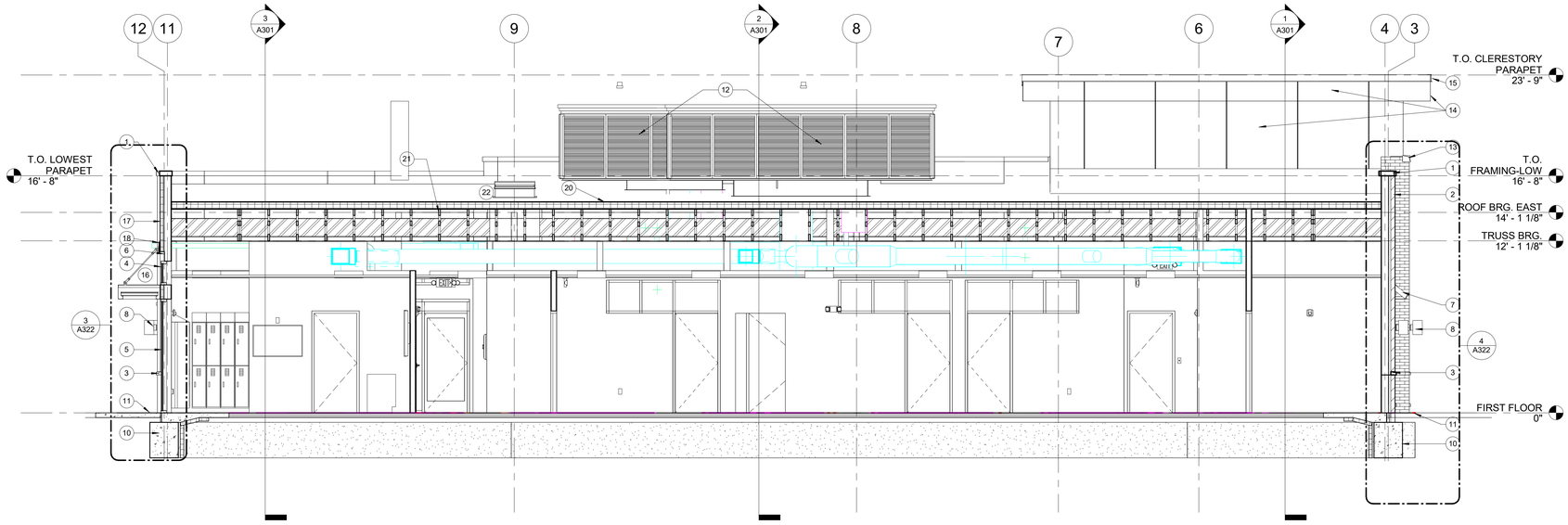

2 A302 BUILDING SECTION 5
1/4" = 1'-0"

BUILDING SECTION GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS FOR ADDITIONAL INFORMATION.
3. EXTERIOR WALL DIMENSIONS ARE FROM FACE OF MASONRY.
4. THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
5. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS AND TO PROVIDE FOR THE TIMELY INSTALLATION OF EQUIPMENT, PIPING, ETC.
6. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.

KEYED NOTES - BUILDING SECTIONS

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3	LIMESTONE BELT COURSE.
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5	ALUMINUM STOREFRONT ENTRANCE. REFER TO DOOR FRAME TYPES, SHEET A601.
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15	PREFINISHED ALUMINUM EDGE TRIM.
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17	EXTERIOR INSULATION FINISH SYSTEM (EIFS)
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22	ROOF HATCH. REFER TO ROOF PLAN.
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A302

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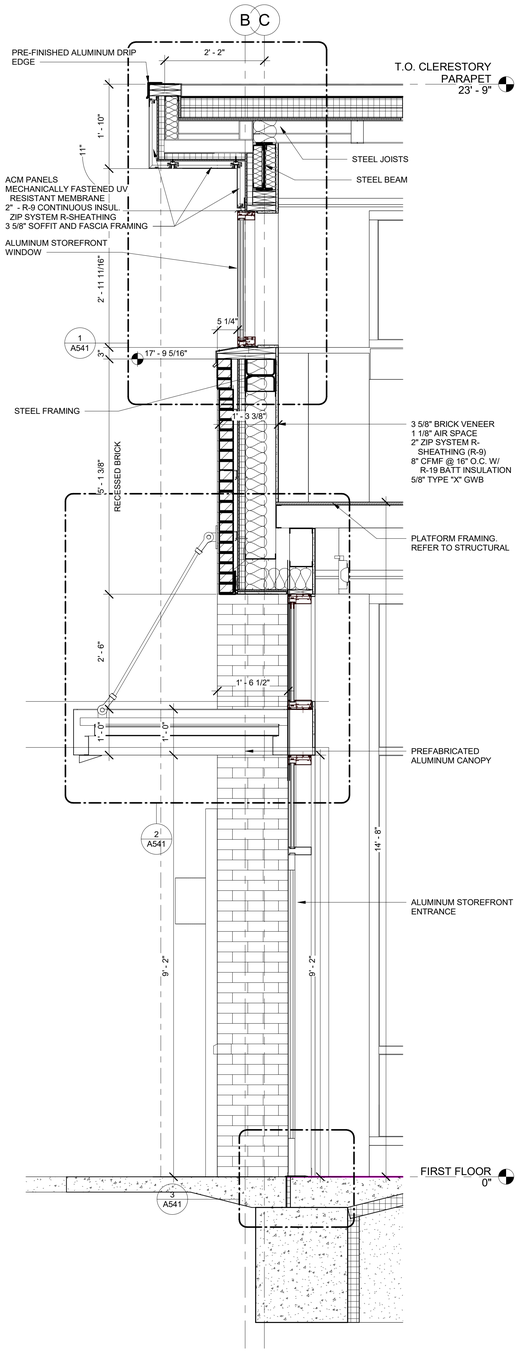

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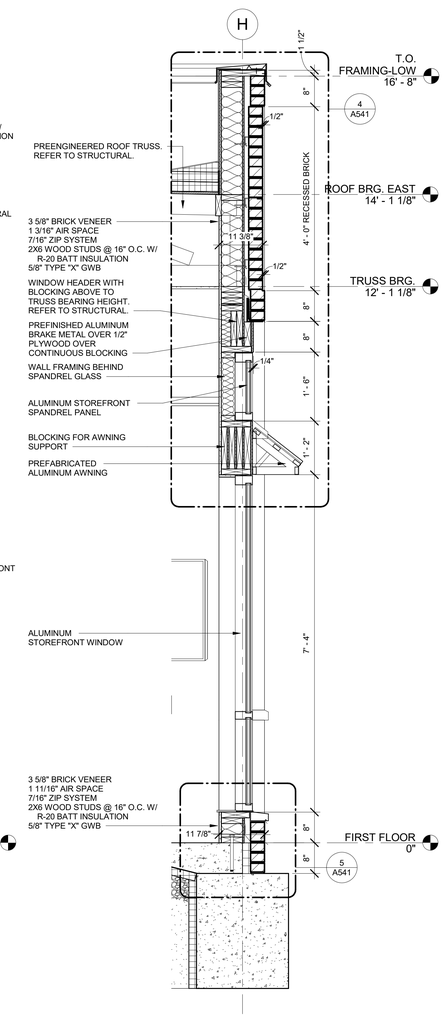

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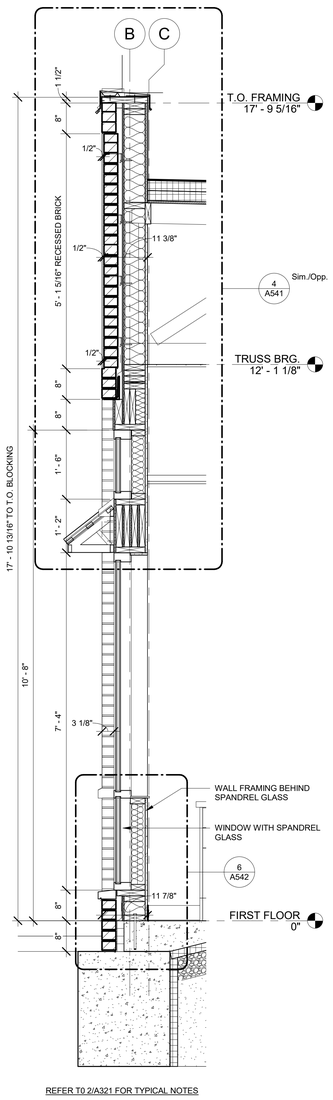

REFER TO 2/A321 FOR TYPICAL NOTES

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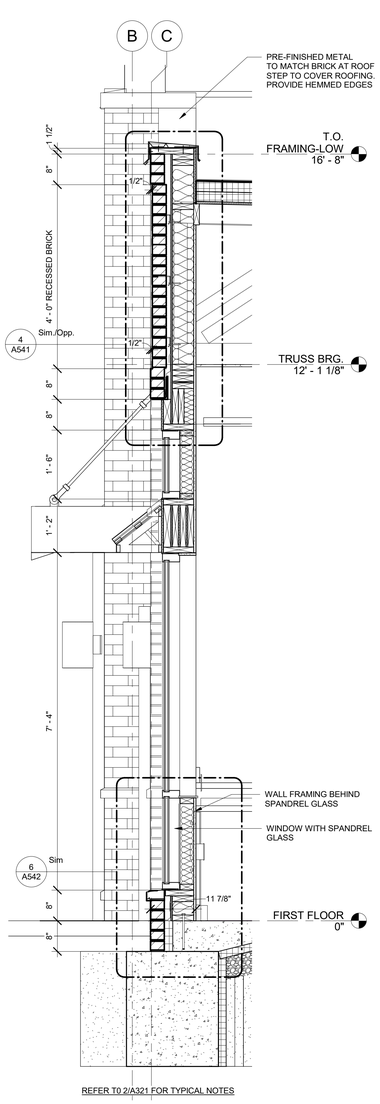

REFER TO 2/A321 FOR TYPICAL NOTES

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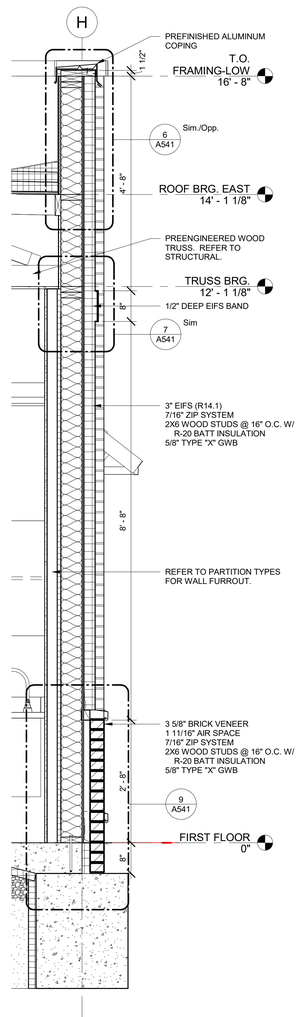

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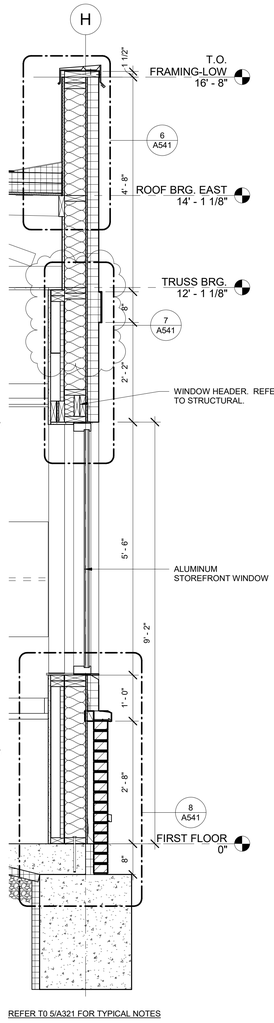

REFER TO 5/A321 FOR TYPICAL NOTES

6 A321 WALL SECTION 3/4" = 1'-0"

3/28/2025 1:37:53 PM

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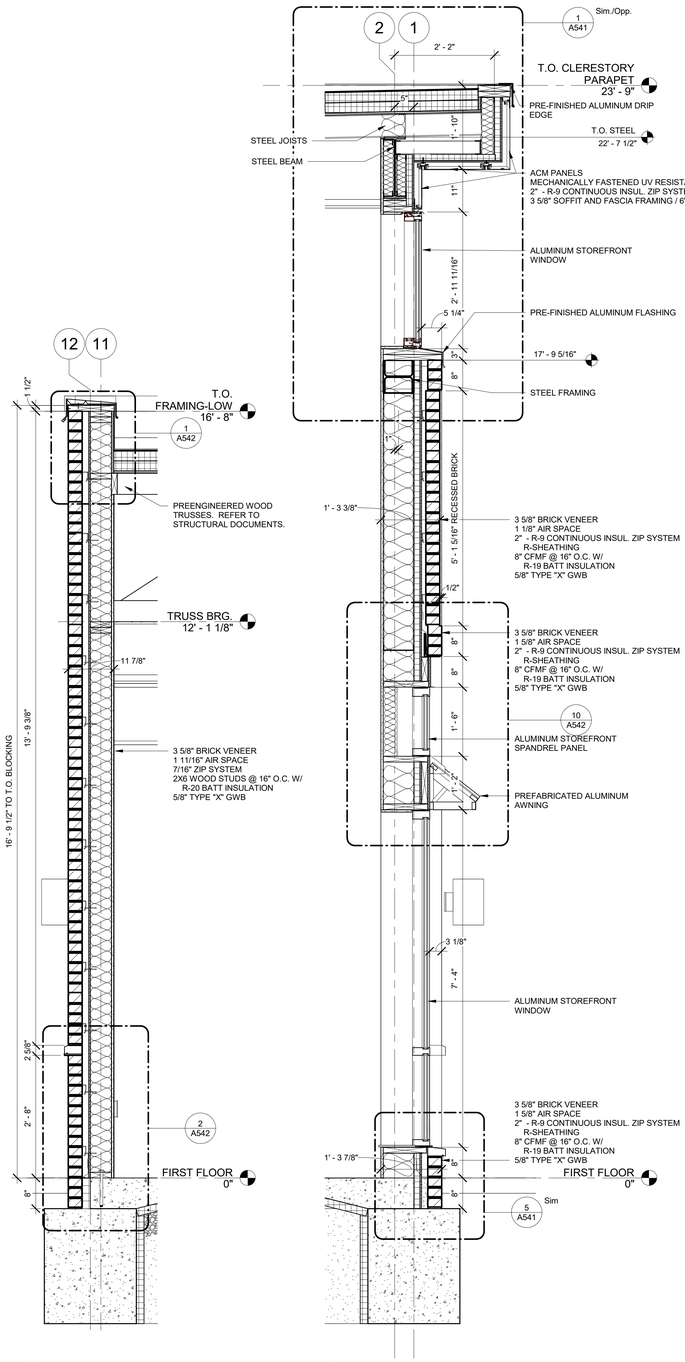

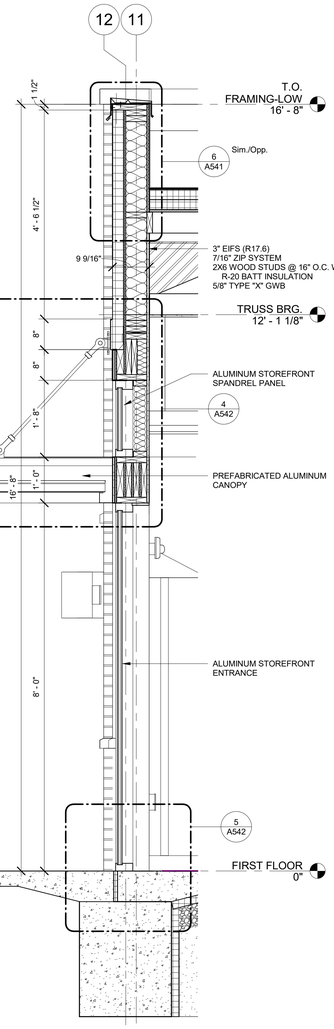

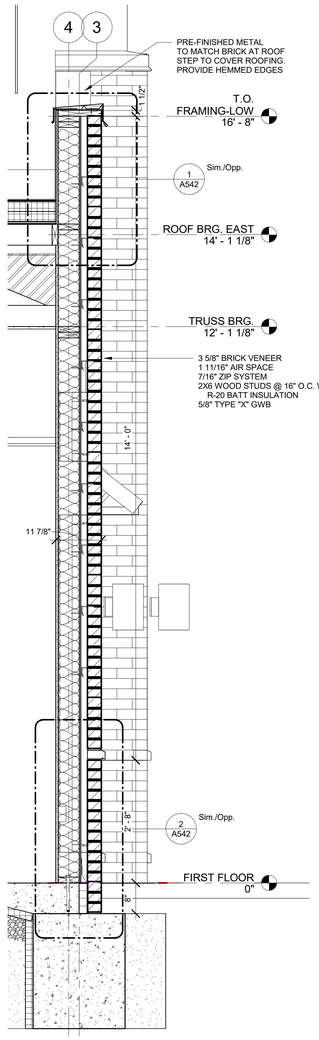

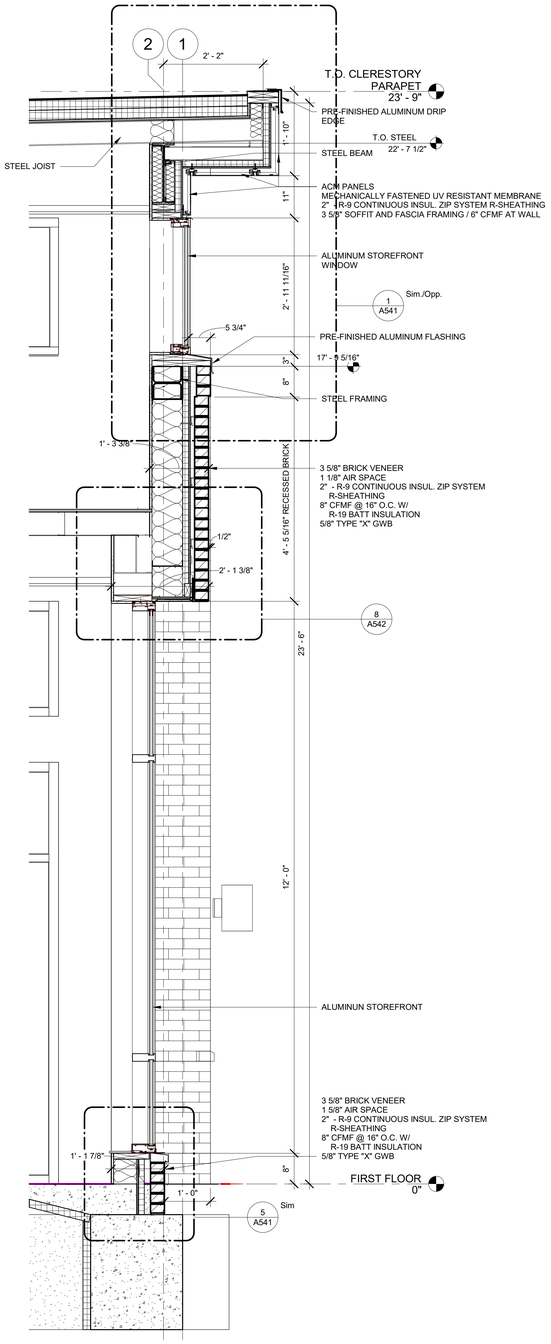

1 A322 WALL SECTION 3/4" = 1'-0"

2 A322 WALL SECTION 3/4" = 1'-0"

3 A322 WALL SECTION 3/4" = 1'-0"

4 A322 WALL SECTION 3/4" = 1'-0"

5 A322 WALL SECTION 3/4" = 1'-0"

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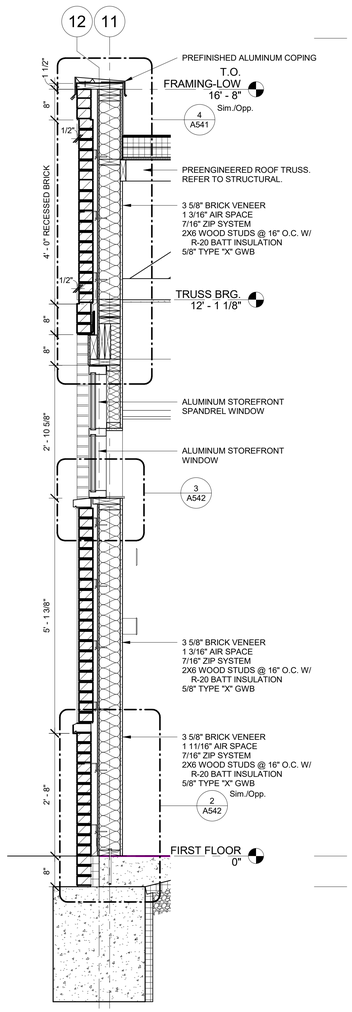

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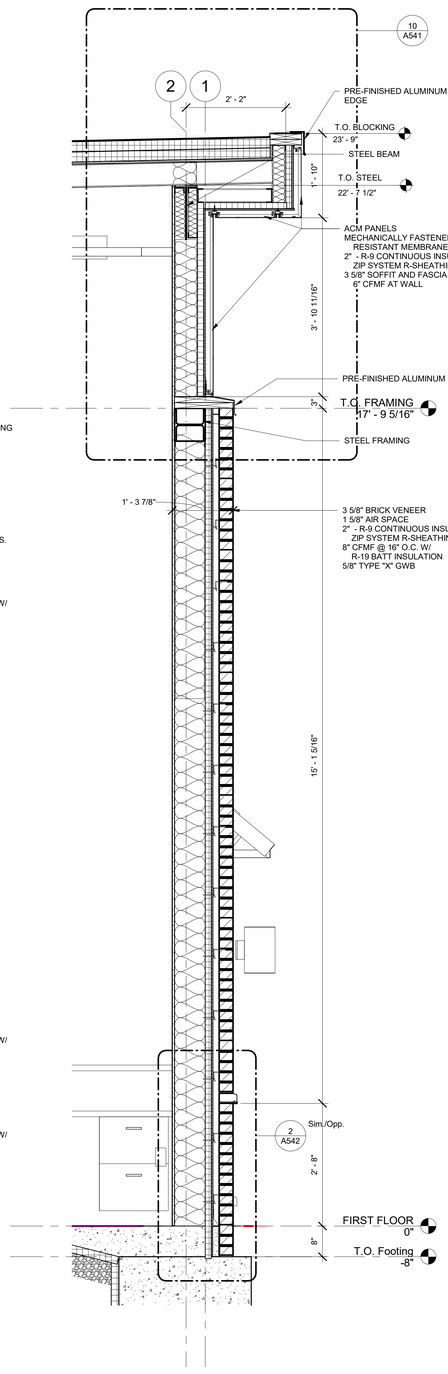

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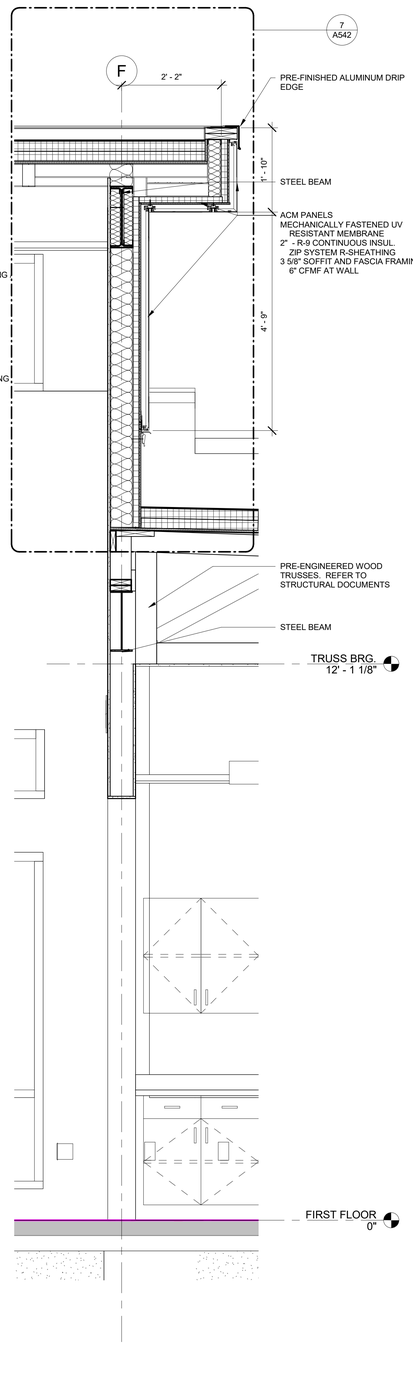

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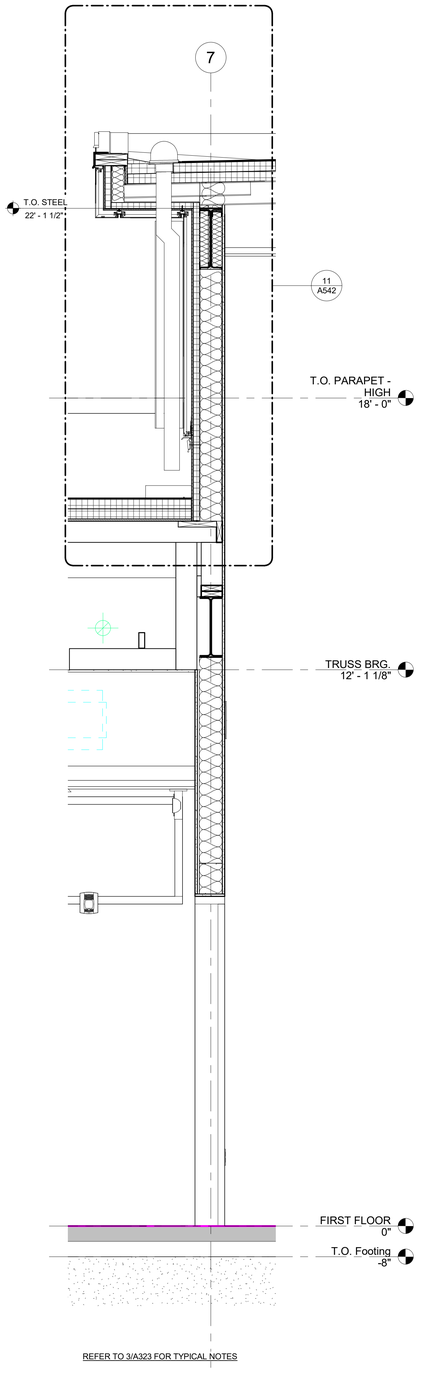

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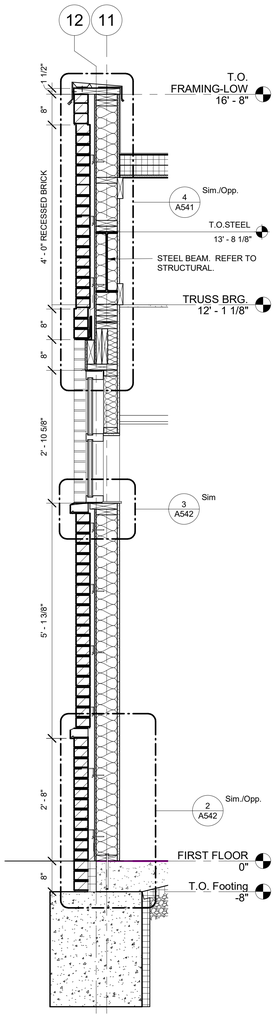

5 A323 WALL SECTION
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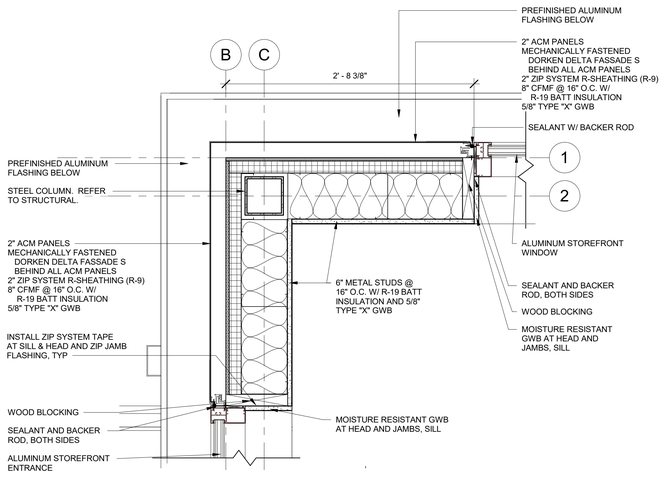

3 A501 ENTRY COLUMN DETAIL - UPPER
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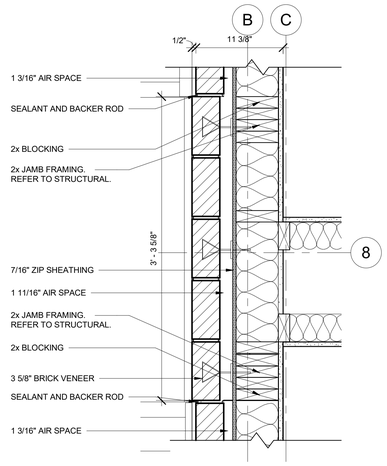

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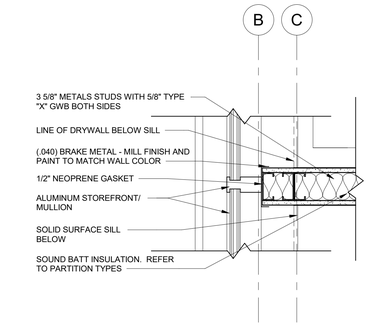

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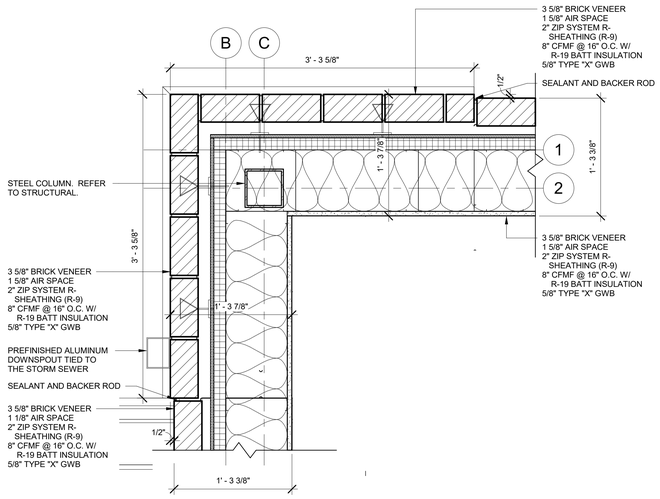

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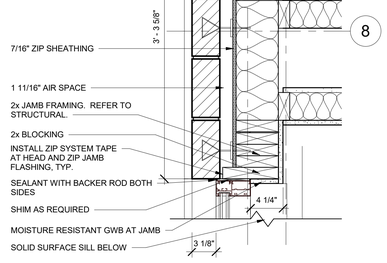

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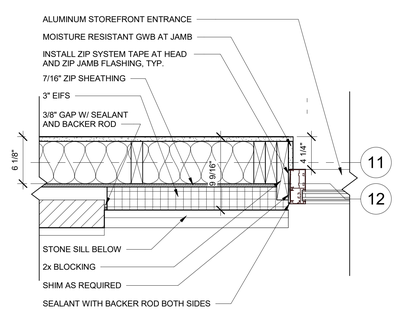

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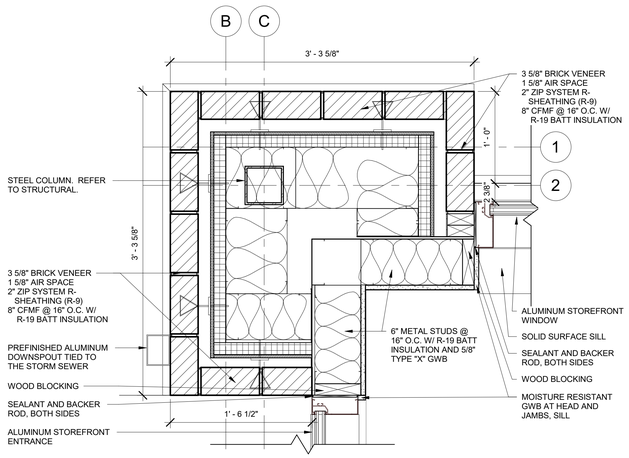

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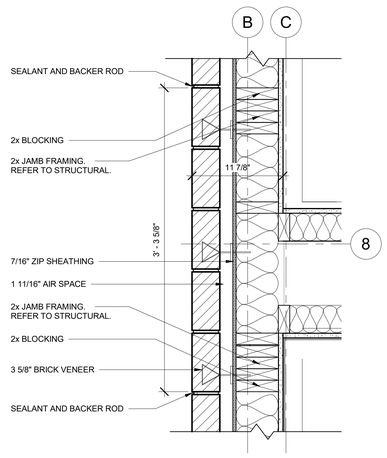

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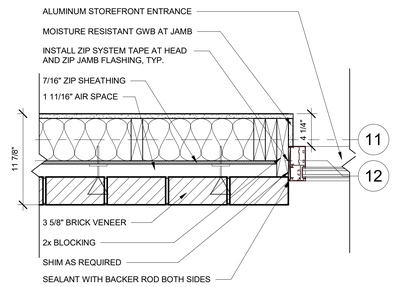

7 A501 SOUTH ENTRY JAMB DETAIL - LOWER
1 1/2" = 1'-0"

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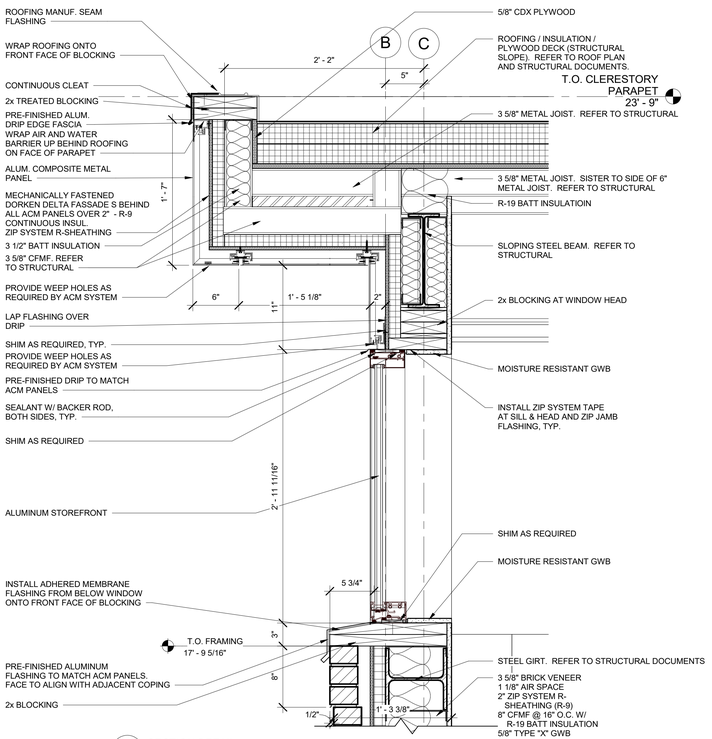

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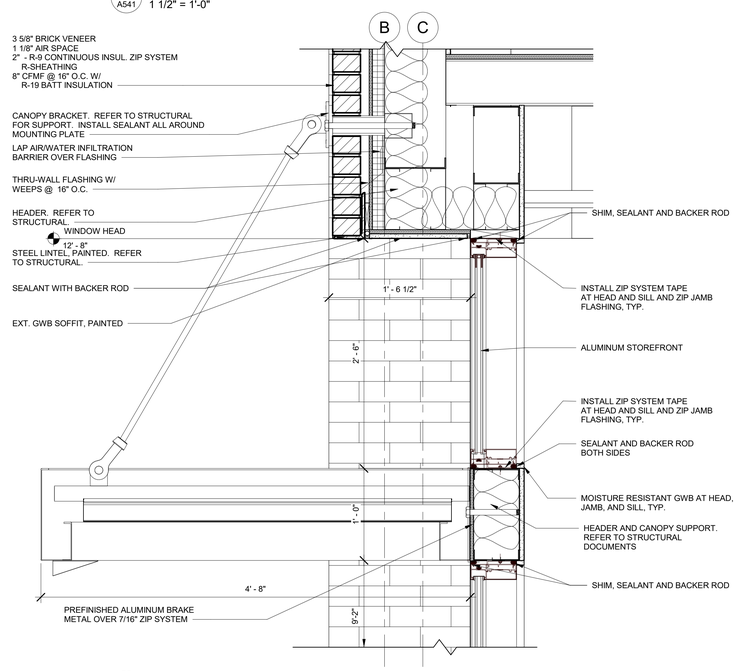

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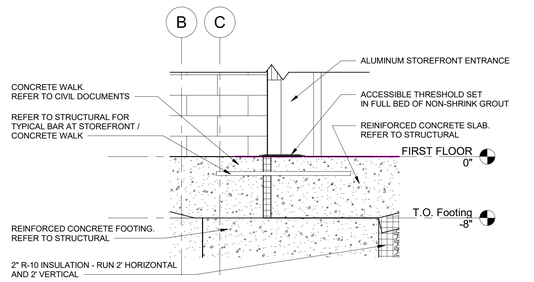

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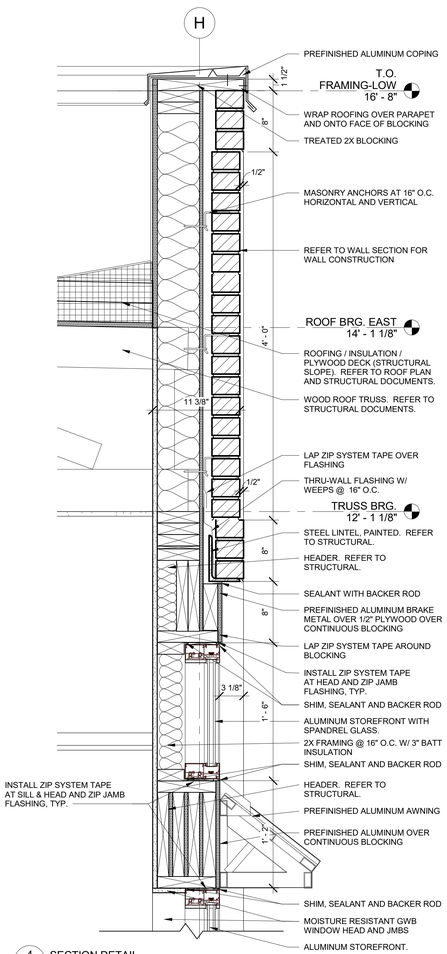

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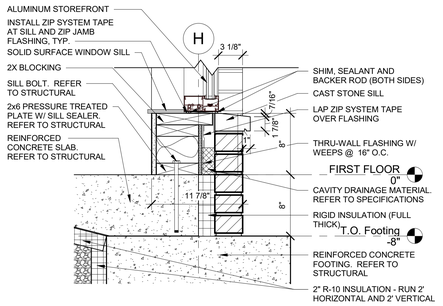

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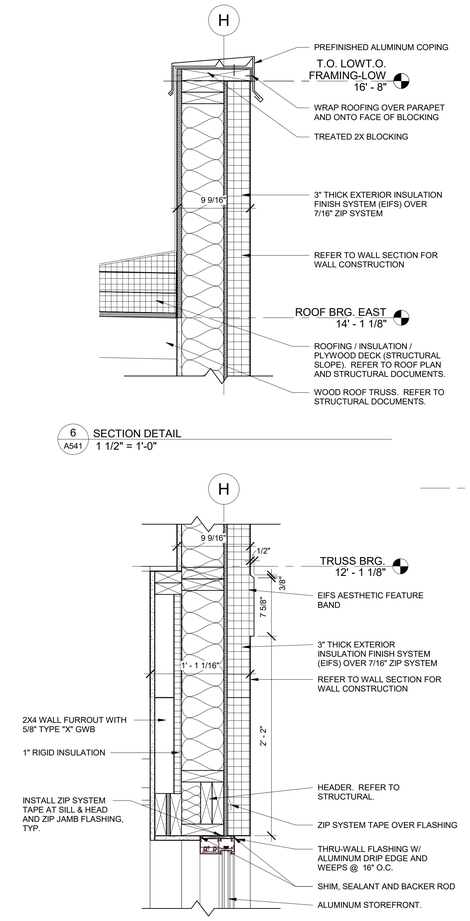

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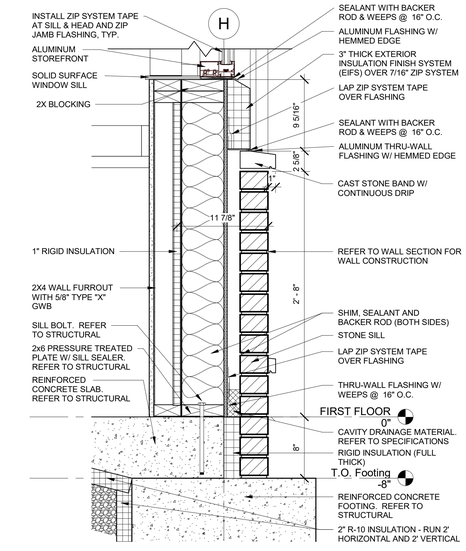

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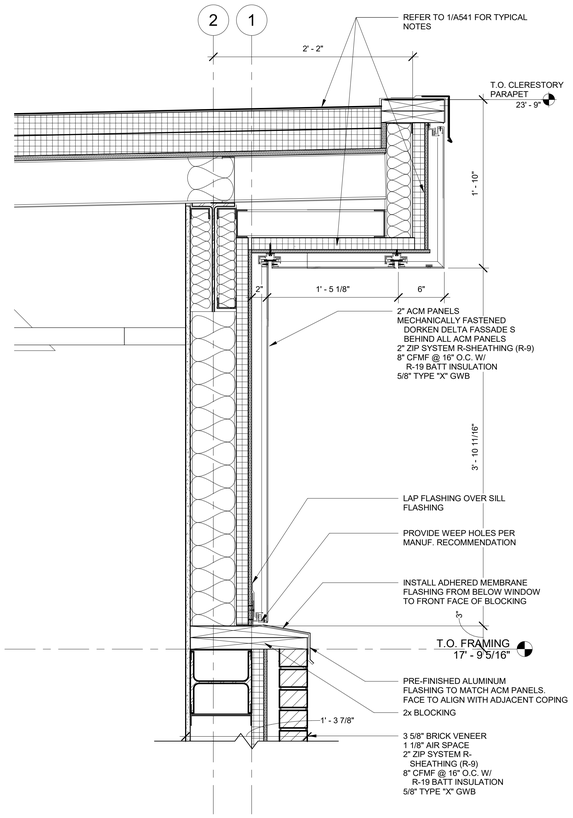

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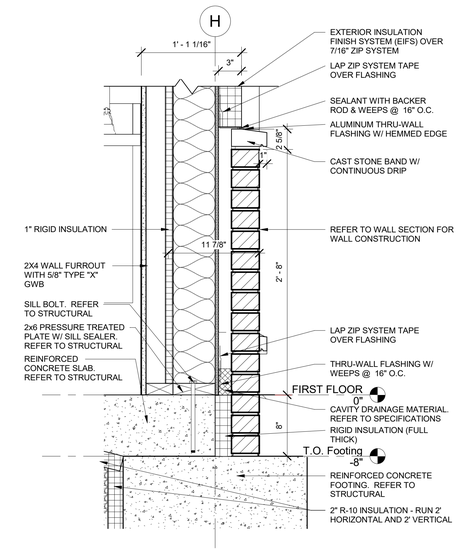

9 A541 SECTION DETAIL 1 1/2" = 1'-0"

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Missouri Center for Oral Surgery & Implants at Wentzville
1046 Wentzville Parkway
Wentzville, MO 63385

Revisions:

No:	Date:	Description:

Sheet Info:

SECTION DETAILS

Drawn By:	SGW
Checked By:	DGC
Commission:	025-2117
Date:	2025-03-28

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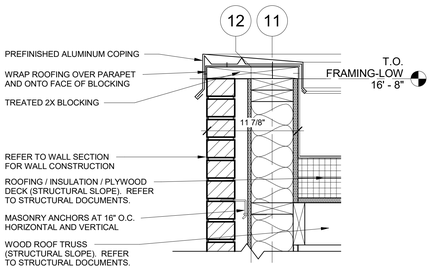
5 A322



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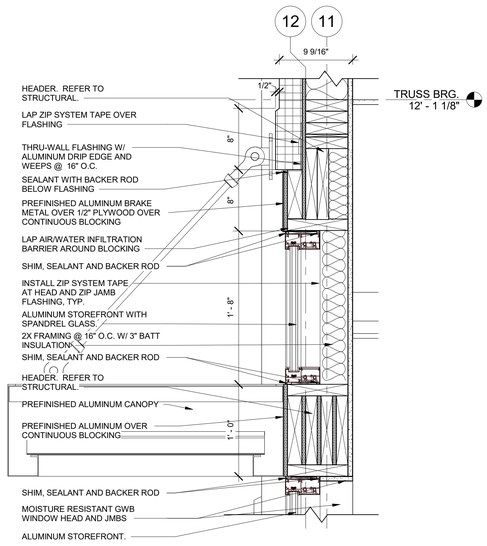

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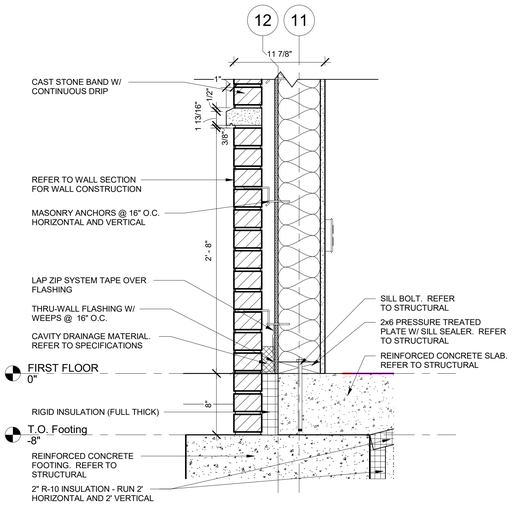

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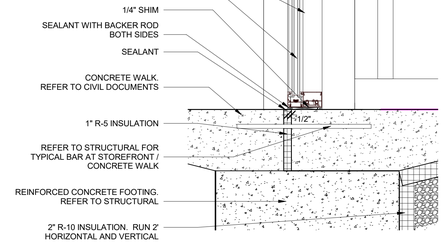

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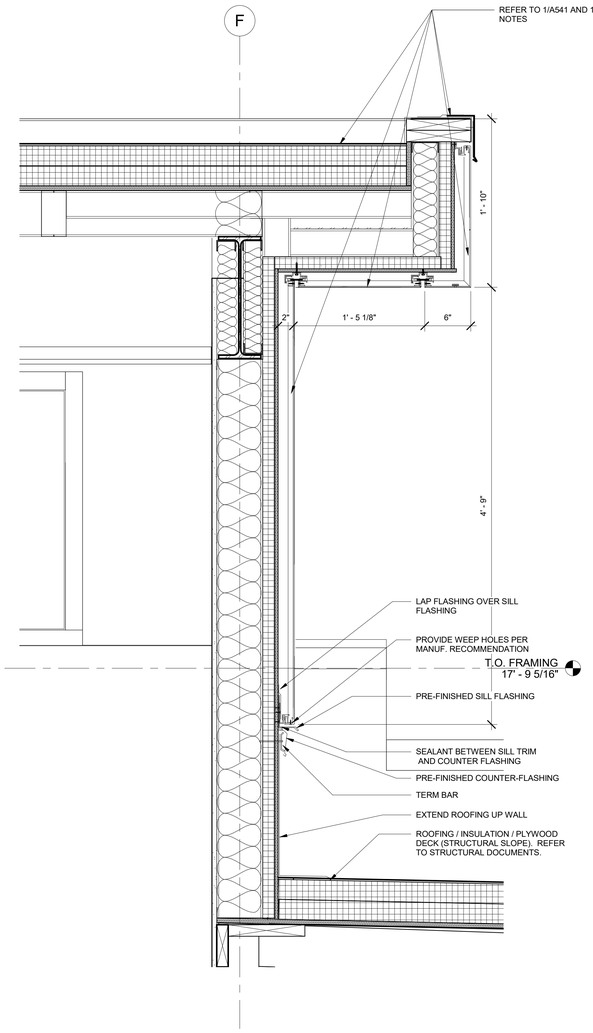

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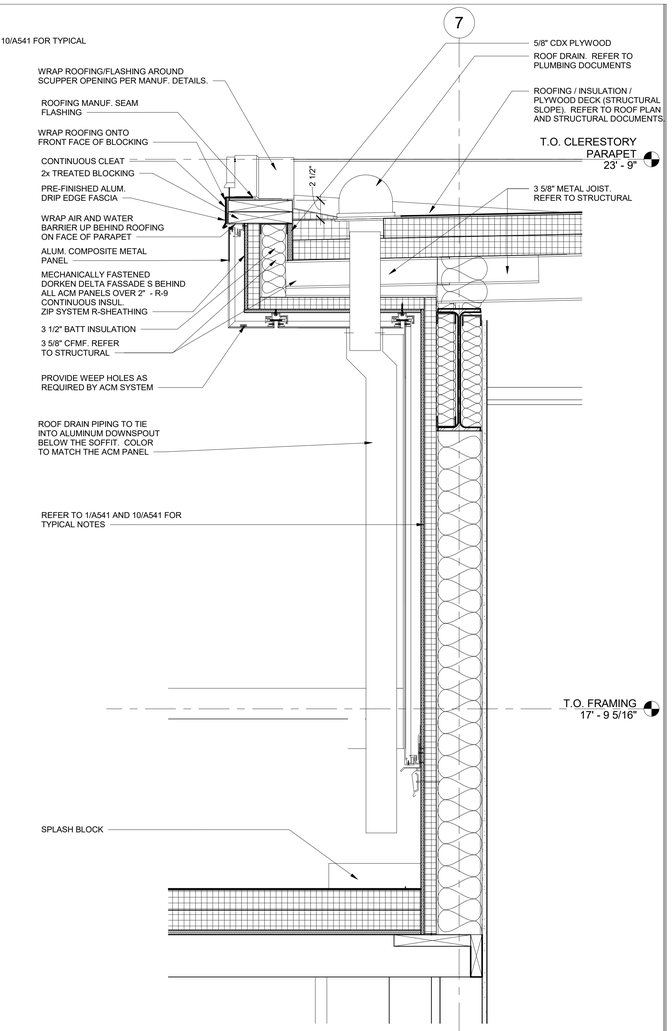

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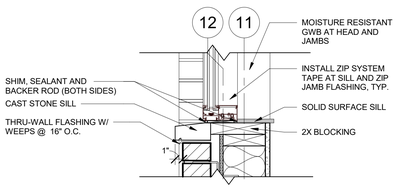

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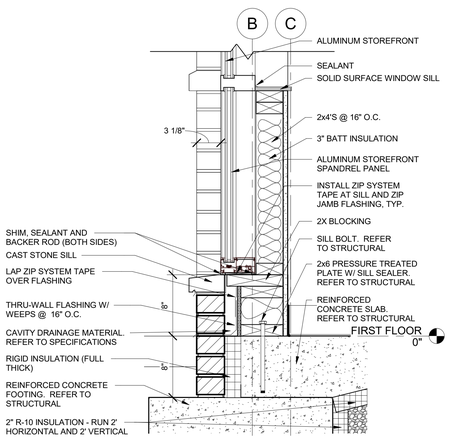

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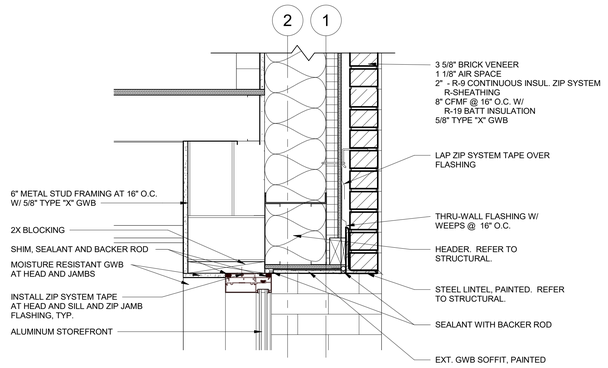

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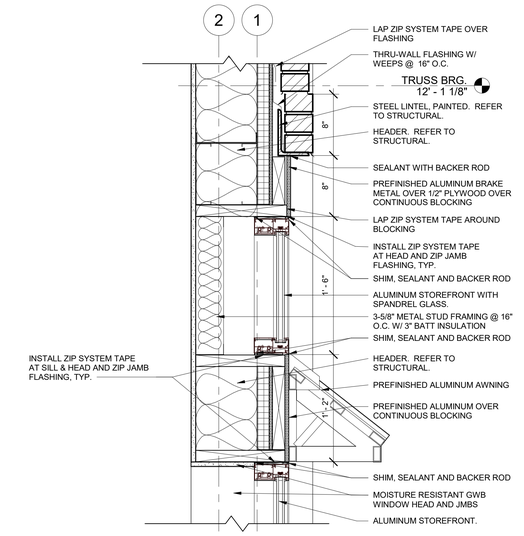

10 A542 SECTION DETAIL
1 1/2" = 1'-0"

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DOOR SCHEDULE

DOOR NUMBER	DOOR TYPE	DOOR MATERIAL	DOOR WIDTH	DOOR QUANTITY	DOOR HEIGHT	DOOR THICKNESS	GLASS TYPE	FRAME TYPE	FRAME MATERIAL	FRAME HEAD	FRAME JAMB	FIRE RATING	DOOR HARDWARE	REMARKS
100A	D4	ALUM	3' - 6"	SINGLE	7' - 0"	1 3/4"	FG	F4	ALUM			--	10	
100B	D4	ALUM	3' - 6"	SINGLE	7' - 0"	1 3/4"	FG	F4	ALUM			--	09	
103A	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	06	
104	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	01	
105A	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	06	
105B	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	04	
107	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	03	
107A	D3	WD	5' - 0"	(2) 2' - 6 1/2"	7' - 0"	1 3/8"	--	F3	--			--	07	
108	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	04	
109	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F7	HM			--	04	
110	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F7	HM			--	04	
111	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F9	HM			--	04	
112	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F9	HM			--	04	
113	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	04	
114	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F7	HM			--	04	
116A	D3	WD	5' - 0"	(2) 2' - 6 1/2"	7' - 0"	1 3/8"	--	F3	--			--	07	
116B	D3	WD	5' - 0"	(2) 2' - 6 1/2"	7' - 0"	1 3/8"	--	F3	--			--	07	
117	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F9	HM			--	04	
118	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F8	HM			--	04	
119	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	02	
120A	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	04	
120B	D4	ALUM	3' - 6"	SINGLE	7' - 0"	1 3/4"	FG	F5	ALUM			--	11	
121	D3	WD	5' - 0"	(2) 2' - 6 1/2"	7' - 0"	1 3/8"	--	F3	--			--	07	
123	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	01	
124	D2	WD	6' - 0"	(2) 3' - 0"	7' - 0"	1 3/4"	--	F2	HM			--	08	
125	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	02	
127	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	06	
128	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	02	
129	D1	WD	4' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	05	
130	D1	WD	4' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	05	
131	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	02	
132	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	02	
133	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	02	
134	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	04	
135	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	06	
136	D1	WD	4' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	05	
137	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	04	
138	D1	WD	4' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	05	
139	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F10	HM			--	03	
140	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F10	HM			--	03	
141	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F11	HM			--	03	
142	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	01	
143	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	06	
144	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	02	
145	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			45 MIN	02	
146	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	01	
147	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	--	F1	HM			--	02	
148	D4	ALUM	3' - 0"	SINGLE	7' - 0"	1 3/4"	FG	F6	ALUM			--	11	

DOOR SCHEDULE REMARKS

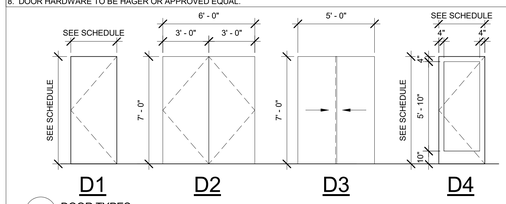
1	
2	

DOOR SCHEDULE ABBREVIATIONS

ALUM	ALUMINUM	HM	HOLLOW METAL	VG	VISION GLASS
EX	EXISTING	PLAM	PLASTIC LAMINATE	WOOD	WOOD

DOOR SCHEDULE NOTES

1. REFER TO FLOOR PLAN FOR DOOR SWING DIRECTIONS.
2. EXIT DOORS: DURING BUSINESS HOURS EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT USE OF A KEY. HARDWARE FOR HANDICAPPED SHALL CONFORM TO LOCAL BUILDING CODES AND ANSI A 4.13.10 AS RULES APPLY.
3. DOOR SIGNAGE (ALL INTERIOR DOORS) SHALL BE "ASI TACTILE PLAQUE SIGNS" OR EQUIVALENT. SIGNAGE SHALL BE 8"x8" WITH THE ROOM NAME AND NUMBER SHOWN. REFER TO THE ROOM FINISH SCHEDULE FOR ROOM NAMES AND NUMBERS. ROOM NUMBERS ARE TO BE COORDINATED WITH THE OWNER. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. MOUNTING HEIGHT SHALL BE 60" AFF TO THE CENTERLINE OF THE SIGN.
4. ALL LOCKS ARE TO BE KEYED TO THE OWNER'S REQUIREMENTS.
5. KICK PLATES SHALL BE STAINLESS STEEL 16 GAUGE WITH US26D FINISH. 10" HIGH AND 2" LESS THAN THE DOOR WIDTH.
6. ALL HOLLOW METAL DOORS AND FRAMES TO BE PRIMED AND PAINTED.
7. HOLLOW METAL DOOR FRAMES TO BE 16 GA. MINIMUM THICKNESS, FULL PROFILE WELDED, PRIMED FOR PAINTING.
8. DOOR HARDWARE TO BE HAGER OR APPROVED EQUAL.

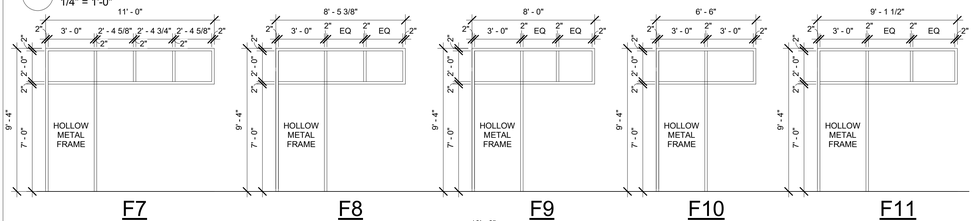


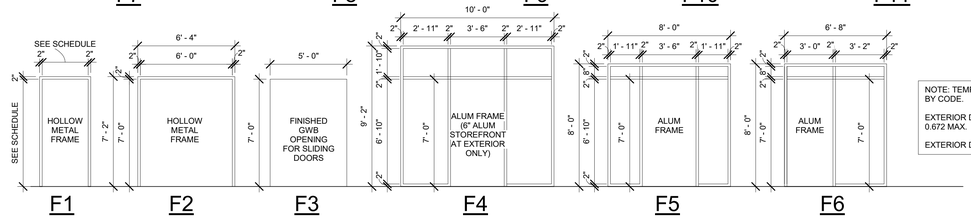
NOTE: TEMPERED GLASS AS REQUIRED BY CODE.

EXTERIOR DOOR U-FACTOR TO BE 0.672 MAX.

EXTERIOR DOOR SHGC TO BE 0.23 MAX.

DOOR TYPES
1/4" = 1'-0"



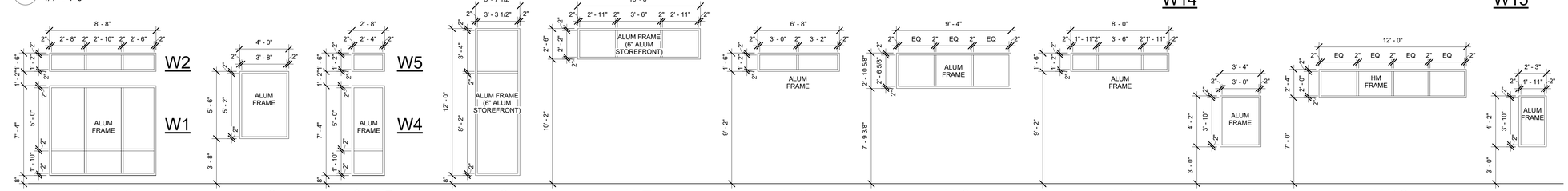


NOTE: TEMPERED GLASS AS REQUIRED BY CODE.

EXTERIOR DOOR U-FACTOR TO BE 0.672 MAX.

EXTERIOR DOOR SHGC TO BE 0.23 MAX.

DOOR FRAME TYPES
1/4" = 1'-0"



WINDOW TYPES
1/4" = 1'-0"

HARDWARE GROUP NO. 01

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	PRIVACY LOCK (ADA LEVER)	3540 WTN	US26D	HAGER
1 EA.	CLOSER	5200 MLT FC (MOUNT ON PULL SIDE)	ALUM	HAGER
1 EA.	CONCAVE WALL STOP	236W	US26D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

NOTE: NO CLOSER ON DOOR 142.

HARDWARE GROUP NO. 02

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	STOREROOM LOCK (ADA LEVER)	3580 WTN	US26D	HAGER
1 EA.	PANIC DEVICE (133 ONLY)	4701 RIM 47KN WTN TW	US32D	HAGER
1 EA.	CLOSER (133 & 145 ONLY)	5200 MLT FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
	GASKETING 145 ONLY)	722	CHAR	HAGER
1 EA.	CONCAVE WALL STOP (147 ONLY)	236W	US26D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 03

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	OFFICE LOCK (ADA LEVER)	3550 WTN	US26D	HAGER
1 EA.	OVERHEAD STOP (107 ONLY)	6016 SRF SZ2	US32D	HAGER
1 EA.	CONCAVE WALL STOP (139 & 140 ONLY)	236W	US26D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 04

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	PASSAGE LOCK (ADA LEVER)	3510 WTN	US26D	HAGER
1 EA.	CLOSER (105B, 113 & 120A ONLY)	5200 MLT FC (MOUNT ON PULL SIDE)	ALUM	HAGER
1 EA.	CONCAVE WALL STOP	236W	US26D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 05

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HEAVY WEIGHT HINGE	BB1199 4-1/2X4-1/2	US26D	HAGER
1 EA.	PASSAGE LOCK (ADA LEVER)	3510 WTN	US26D	HAGER
1 EA.	OVERHEAD STOP (136 & 138 ONLY)	6016 SRF SZ2	US32D	HAGER
1 EA.	CONCAVE WALL STOP (129 & 130 ONLY)	236W	US26D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 06

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	CLASSROOM LOCK (ADA LEVER)	3570 WTN	US26D	HAGER
1 EA.	CLOSER (105A & 135 ONLY)	5200 MLT FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
1 EA.	CLOSER W/ STOP ARM (143 ONLY)	5200 MLT FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
1 EA.	CONCAVE WALL STOP (ALL EXCEPT 143)	236W	US26D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 07

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
1 EA.	BYPASS SLIDING DOOR HDWR	9611CS 60"	ALUM	HAGER
2 EA.	ADA DOOR PULL	27N	US32D	HAGER

HARDWARE GROUP NO. 08

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
6 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
2 EA.	DUMMY TRIM (ADA LEVER)	3517 WTN	US26D	HAGER
2 EA.	ROLLER LATCH	320R	US26D	HAGER

HARDWARE GROUP NO. 09

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	ALUM. MANUF. STANDARD	ALUM	
1 EA.	PUSH/PULL SET	ALUM. MANUF. STANDARD	ALUM	
1 EA.	CLOSER	ALUM. MANUF. STANDARD	ALUM	

HARDWARE GROUP NO. 10

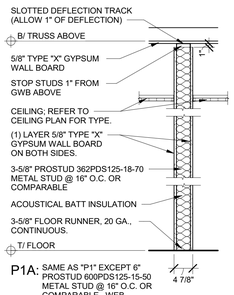
QTY	DESCRIPTION	MODEL	FINISH	MANUF.
1 SET	OFFSET PIVOTS W/ INTERMEDIATE PIVOT	ALUM. MANUF. STANDARD	ALUM	
1 EA.	DEADLOCK	MS-1850	ALUM	ADRIT
1 EA.	CYLINDER	4036	ALUM	ADRIT
1 EA.	ADA THUMBTURN	09-900 XB11-720 B502-292	626	SCH
1 EA.	PUSH/PULL SET	ALUM. MANUF. STANDARD	ALUM	
1 EA.	CLOSER			
	WEATHERSTRIPPING	ALUM. MANUF. STANDARD	ALUM	
1 EA.	DOOR SWEEP	ALUM. MANUF. STANDARD	ALUM	
1 EA.	THRESHOLD			

HARDWARE GROUP NO. 11

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
1 SET	OFFSET PIVOTS W/ INTERMEDIATE PIVOT	ALUM. MANUF. STANDARD	ALUM	
1 EA.	PANIC DEVICE W/ LEVER TRIM		ALUM	
1 EA.	CYLINDER	4036	ALUM	
1 EA.	CLOSER			
	WEATHERSTRIPPING	ALUM. MANUF. STANDARD	ALUM	
1 EA.	DOOR SWEEP	ALUM. MANUF. STANDARD	ALUM	
1 EA.	THRESHOLD			

DOOR HARDWARE TO BE HAGER OR APPROVED EQUAL.

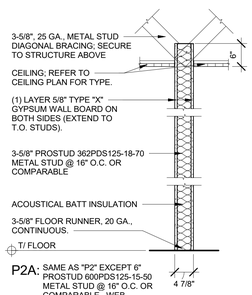
NOTE: WALL IS A NON-COMPOSITE WALL.



P1A: SAME AS "P1" EXCEPT 6" PROSTUD 600PDS125-15-50 METAL STUD @ 16" O.C. OR COMPARABLE. WEB STIFFENERS RQD AT BEARING POINTS

P1 A601 PARTITION TYPE "P1"
3/4" = 1'-0"

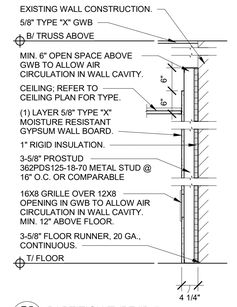
NOTE: WALL IS A NON-COMPOSITE WALL AND IS BRACED BY THE KICKER BRACING AT THE TOP.



P2A: SAME AS "P2" EXCEPT 6" PROSTUD 600PDS125-15-50 METAL STUD @ 16" O.C. OR COMPARABLE. WEB STIFFENERS RQD AT BEARING POINTS.

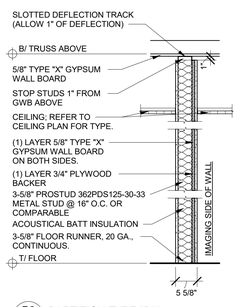
P2 A601 PARTITION TYPE "P2"
3/4" = 1'-0"

NOTE: WALL IS A NON-COMPOSITE WALL.



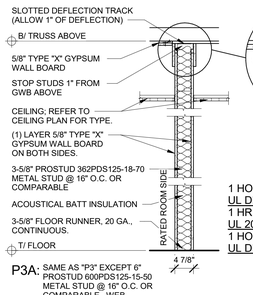
P5 A601 PARTITION TYPE "P5"
3/4" = 1'-0"

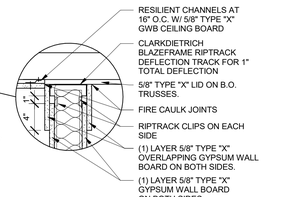
NOTE: WALL IS A NON-COMPOSITE WALL.



P6 A601 PARTITION TYPE "P6"
3/4" = 1'-0"

NOTE: WALL IS A NON-COMPOSITE WALL.



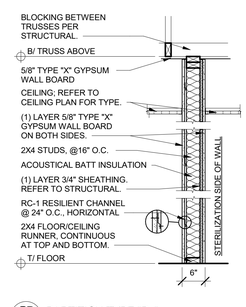


P3A: SAME AS "P3" EXCEPT 6" PROSTUD 600PDS125-15-50 METAL STUD @ 16" O.C. OR COMPARABLE. WEB STIFFENERS RQD AT BEARING POINTS

P3 A601 PARTITION TYPE "P3"
3/4" = 1'-0"

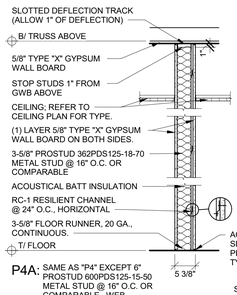
1 HOUR FIRE RATED PARTITION
UL DESIGN NO. U419
1 HR HEAD OF WALL JOINT SYSTEM
UL 2079, 5TH ED, HW-D-0823
1 HOUR FIRE RATED CEILING
UL DESIGN NO. P545

NOTE: WALL IS A NON-COMPOSITE WALL.



P7 A601 PARTITION TYPE "P7"
3/4" = 1'-0"

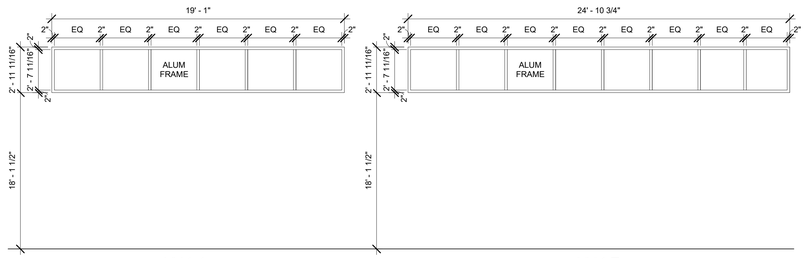
NOTE:
1. WALL IS A NON-COMPOSITE WALL.
2. PROVIDE ACOUSTICAL SEALANT AT PERIMETER OF WALL ON BOTH SIDES, AT ELECRICAL OUTLETS, DATA, PENETRATIONS, ETC.



STC = 49

P4A: SAME AS "P4" EXCEPT 6" PROSTUD 600PDS125-15-50 METAL STUD @ 16" O.C. OR COMPARABLE. WEB STIFFENERS RQD AT BEARING POINTS

P4 A601 PARTITION TYPE "P4"
3/4" = 1'-0"



NOTE: TEMPERED GLASS AS REQUIRED BY CODE.

EXTERIOR WINDOW U-FACTOR TO BE 0.433 MAX.

EXTERIOR WINDOW SHGC TO BE 0.34 MAX.

REFER TO EXTERIOR ELEVATIONS FOR SPANDREL PANEL LOCATIONS.

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DOOR & WINDOW INFORMATION AND PARTITION TYPES

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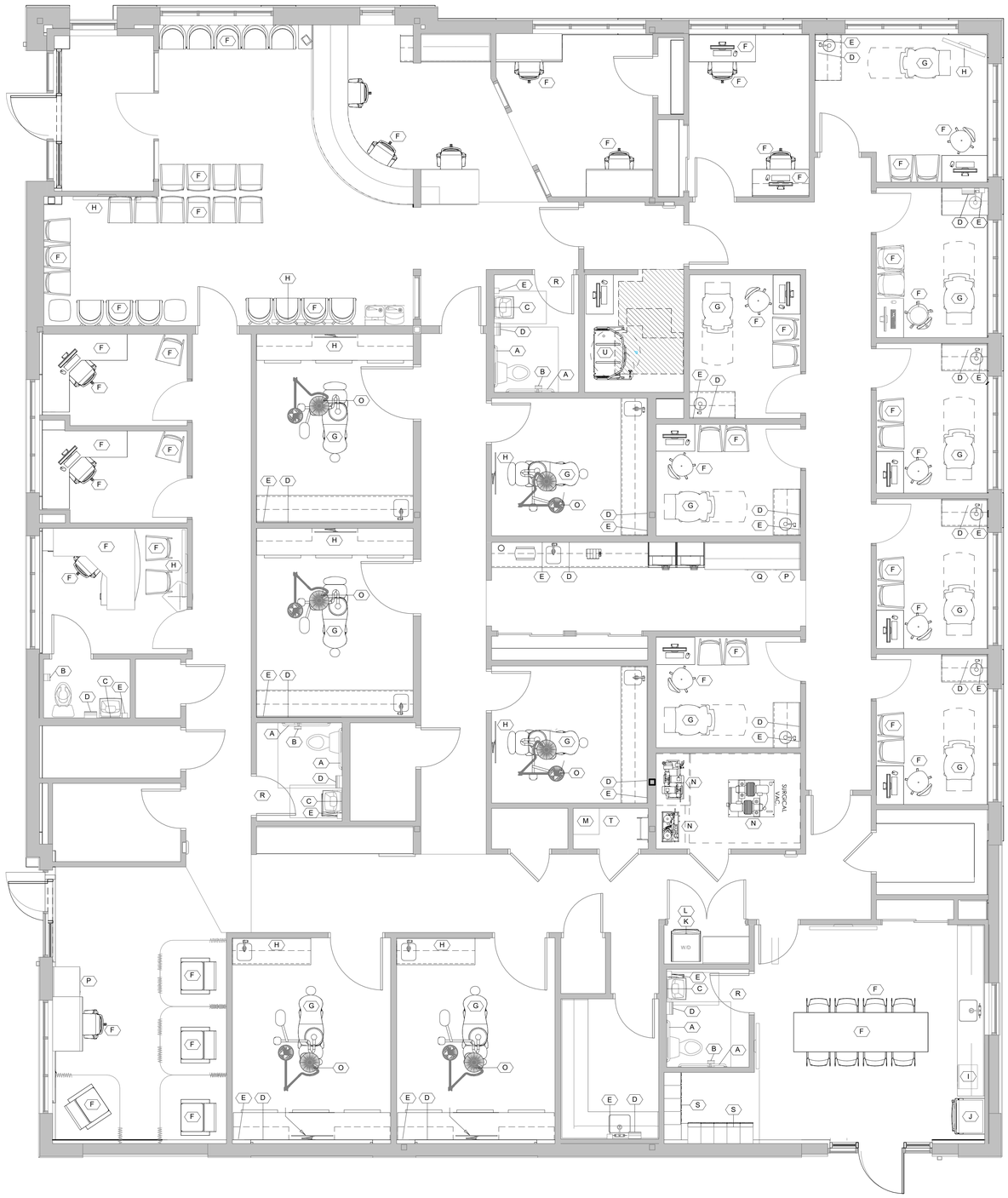

1 EQUIPMENT PLAN
A602 1/4" = 1'-0"

EQUIPMENT SCHEDULE

ITEM	ITEM DESCRIPTION	OWNER SPEC	OWNER FURNISH	OWNER INSTALL	CONTRACTOR ARCH SPEC	CONTRACTOR FURNISH	CONTRACTOR INSTALL	COMMENTS
A	GRAB BARS				X	X	X	CONTRACTOR TO PROVIDE BLOCKING
B	TOILET PAPER DISPENSER				X	X	X	CONTRACTOR TO PROVIDE BLOCKING
C	WALL MIRROR				X	X	X	CONTRACTOR TO PROVIDE BLOCKING
D	PAPER TOWEL DISPENSER						X	CONTRACTOR TO PROVIDE BLOCKING
E	SOAP DISPENSER	X	X				X	CONTRACTOR TO PROVIDE BLOCKING
F	CHAIR/FURNITURE	X	X	X				
G	DENTAL EXAM CHAIR	X	X	X				
H	TELEVISION	X	X				X	CONTRACTOR TO PROVIDE BLOCKING
I	MICROWAVE	X	X	X				
J	REFRIGERATOR	X	X	X				
K	DRYER	X	X	X				
L	WASHER	X	X	X				
M	MOP HOLDER AND SURROUND				X	X	X	CONTRACTOR TO PROVIDE BLOCKING
N	DENTAL MECHANICAL EQUIPMENT	X	X	X				
O	SURGICAL LIGHT	X	X	X				CONTRACTOR TO PROVIDE REQUIRED SUPPORT FRAMING
P	UNDERCOUNTER FREEZER	X	X	X				
Q	UNDERCOUNTER REFRIGERATOR	X	X	X				
R	DOOR MOUNTED COAT HOOK				X	X	X	
S	LOCKERS				X	X	X	
T	JANITOR CART	X	X	X				
U	IMAGING EQUIPMENT	X	X	X				
V	MULTI-FUNCTION DEVICE	X	X	X				
W	WIPE DISPENSER	X	X				X	
X	GLOVE DISPENSER	X	X				X	
Y	HAND SANITIZER	X	X				X	
Z	SHARPS CONTAINER	X	X				X	

EQUIPMENT SCHEDULE GENERAL NOTES

1. COORDINATE WITH OWNER FOR BLOCKING REQUIREMENTS FOR OWNER SUPPLIED EQUIPMENT.

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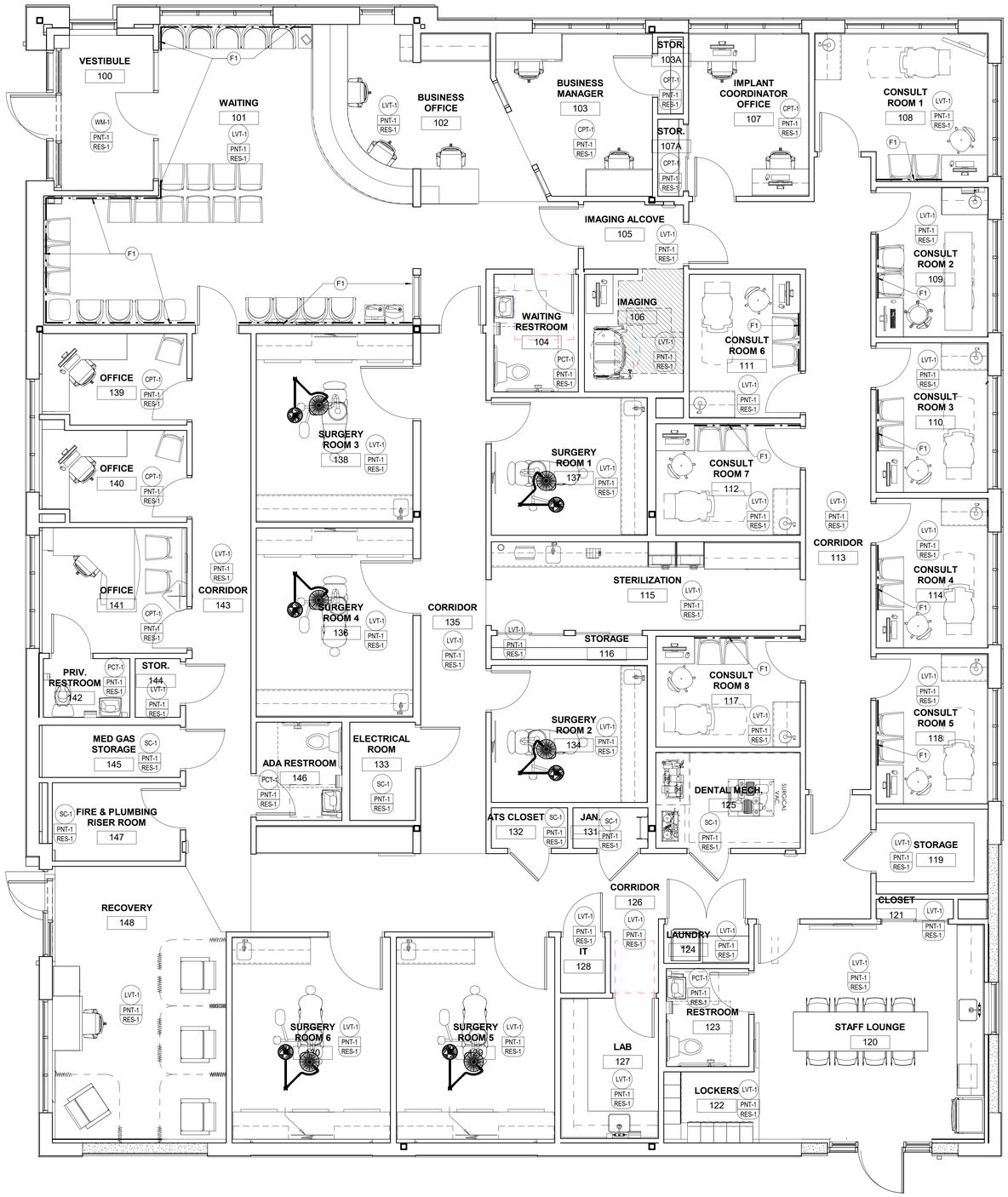


1 A961 ROOM FINISH PLAN
1/4" = 1'-0"

FINISH LEGEND

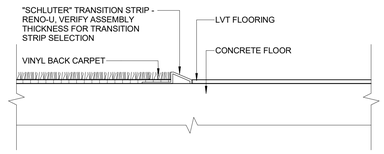
Symbol		Specification Section	Manufacturer	Series/Pattern	Color	Remarks
Acoustical Panel Ceiling						
APC-1	Acoustical Panel Ceiling	095113	USG or approved equal.	Olympia Micro	White	2'x2'x3/4", SLT edge, 0.60 NRC, USG DX grid.
APC-2	Acoustical Panel Ceiling	095113				
APC-2	Acoustical Panel Ceiling	095113	USG or approved equal.	Mars Healthcare	White	2'x2'x7/8", SLT edge, 0.85 NRC, USG DX grid.
Carpet						
CPT-1	Carpet	096813	To be selected	To be selected	To be selected	
Existing						
E	Existing		To be selected	To be selected	To be selected	
High Pressure Laminate						
HPL-1	High Pressure Laminate	064023	To be selected	To be selected	To be selected	
HPL-2	High Pressure Laminate	064023	To be selected	To be selected	To be selected	
Luxury Vinyl Tile						
LVT-1	Luxury Vinyl Tile	096519	To be selected	To be selected	To be selected	
Paint						
PT-1	Paint	099123	To be selected	To be selected	To be selected	
Porcelain Tile						
PCT-1	Porcelain Tile	093013	To be selected	To be selected	To be selected	
Resilient Base						
RES-1	Resilient Base	096513	To be selected	To be selected	To be selected	
Sealed Concrete						
SC-1	Sealed Concrete	099300	To be selected	To be selected	To be selected	
Solid Surface						
SS-1	Solid Surface	064023	To be selected	To be selected	To be selected	
SS-2	Solid Surface	064023	To be selected	To be selected	To be selected	
Walk Off Mat						
WM-1	Walk Off Mat	096813	To be selected	To be selected	To be selected	
Wall Protection						
WP-1	Wall Protection	102600	To be selected	To be selected	To be selected	

FINISH PLAN GENERAL NOTES

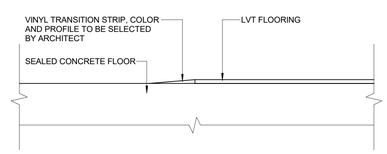
1	REFER TO FINISH PLANS FOR EXTENT AND TYPE OF FLOOR AND WALL FINISHES.
2	REFER TO REFLECTED CEILING PLANS FOR EXTENT OF CEILING TYPES.
3	REFER TO INTERIOR ELEVATIONS FOR EXTENT AND TYPE OF MILLWORK FINISHES.
4	WHERE FLOOR FINISHES CHANGE AT CASED OPENINGS, THE FINISH CHANGE SHALL OCCUR AT THE CENTERLINE OF THE CASED OPENING. WHERE FLOOR FINISHES CHANGE AT DOORWAYS, THE FINISH CHANGE SHALL OCCUR AT THE CENTERLINE OF THE DOOR IN THE CLOSED POSITION.
5	FLOOR TRANSITIONS BETWEEN MATERIALS SHOULD BE FLUSH. FEATHER SUBFLOOR TO MAKE FLUSH TRANSITION AS REQUIRED..
6	ALL HOLLOW METAL FRAMES TO BE PAINTED. REFER TO FINISH LEGEND FOR COLOR.

FINISH PLAN KEYED NOTES

F1	PROVIDE WALL PROTECTION ON DESIGNATED WALLS. (WP-1). REFER TO INTERIOR ELEVATIONS.



2 A961 TRANSITION - CARPET/LVT
6" = 1'-0"



3 A961 TRANSITION - LVT/SEALED CONCRETE
6" = 1'-0"

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ROOM FINISH PLAN AND LEGEND

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A961

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Missouri Center for Oral Surgery & Implants at Wentzville

Wentzville, St. Charles County, Missouri

GENERAL NOTES

ELEVATION DATUM
SEE ARCHITECTURAL DRAWINGS OR SITE PLAN FOR FINISH FLOOR ELEVATIONS

DESIGN SPECIFICATIONS
2021 INTERNATIONAL BUILDING CODE

EARTHWORK
EARTHWORK OPERATIONS SHALL BE PERFORMED UNDER THE DIRECTION OF A PROFESSIONAL TESTING AGENCY TO ASSURE COMPLIANCE WITH THE RECOMMENDATIONS OF THE SOILS REPORT GEOTECHNICAL REPORT BY JACOBI GEOTECHNICAL ENGINEERING INC. DATED APRIL 23, 2019.

CONCRETE

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 305 SPECIFICATIONS FOR HOT WATER CONCRETE, AND ACI 306 SPECIFICATIONS FOR COLD WEATHER CONCRETE, WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

1. CONCRETE SHALL DEVELOP THE FOLLOWING 28-DAY MINIMUM COMPRESSIVE STRENGTH:
   - FOUNDATIONS – 3,000 PSI
   - CAST-IN-PLACE WALLS – 3,500 PSI
   - FLOOR SLAB – 4,000 PSI
   - EXTERIOR SLABS, WALLS AND CURBS – 4,000 PSI
2. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL.
3. CHLORIDE- BASED ADMIXTURES ARE PROHIBITED IN ALL REINFORCED CONCRETE.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A615, A616, OR A617, GRADE 60.
5. ALL CONTINUOUS REINFORCING STEEL THAT MEETS AT A CORNER SHALL BE TIED TOGETHER WITH A CORNER BAR THAT HAS SUFFICIENT LAP DISTANCE IN EACH DIRECTION
6. CONTINUOUS REINFORCING BARS LAP LENGTH SHALL BE A MINIMUM OF 48 BAR DIAMETERS UNLESS NOTED OTHERWISE
7. CONCRETE SLUMP SHALL BE A MAXIMUM OF 4" +/- 1" (ASTM C- 143) AS DELIVERED IN THE FIELD. CONTRACTOR MAY USE CHEMICAL ADMIXTURES TO ATTAIN A MAXIMUM SLUMP OF 8" FOR WORKABILITY. NO WATER MAY BE ADDED TO THE CONCRETE MIX ON SITE UNLESS WATER IS WITHHELD AT THE BATCHING FACILITY. IF WATER IS WITHHELD AT THE BATCHING FACILITY IT SHOULD BE REFLECTED ON THE LOAD TICKET. THE TOTAL AMOUNT OF WATER IN THE MIX SHALL NOT EXCEED WHAT IS NOTED ON THE APPROVED MIXED. THIS SHALL BE NOTED IN THE SPECIAL INSPECTOR'S RECORDS.
8. CONCRETE EXPOSED TO WEATHER, VEHICLES, AND/OR DEICING CHEMICALS SHALL BE AIR-ENTRAINED WITH 6% (+/-) 1.5% ENTRAINED AIR BY VOLUME AT POINT OF DISCHARGE. DO NOT ALLOW AIR CONTENT OF TROWELED FINISHED FLOORS TO EXCEED 3%.
9. SUBMIT CONCRETE MIX PROPORTIONS PRIOR TO START OF WORK. DO NOT BEGIN CONCRETE PRODUCTION UNTIL MIXES HAVE BEEN REVIEWED AND ARE ACCEPTABLE TO THE ENGINEER.
10. READY MIX CONCRETE SHALL COMPLY WITH REQUIREMENTS OF ASTM C94.
11. CONCRETE WORK EXECUTION
    - A. CONSTRUCT FORMS TO CORRECT SIZE, SHAPE, ALIGNMENT, ELEVATION AND POSITION; AND TO SUPPORT VERTICAL AND LATERAL LOADS.
    - B. POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE, UNLESS NOTED OTHERWISE ON THE DRAWINGS:
      - CAST AGAINST AND EXPOSED TO EARTH.....3 INCHES
      - EXPOSED TO EARTH OR WEATHER.....2 INCHES
      - NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH.....1 ½ INCHES
    - C. PROVIDE CONTROL JOINTS IN SLABS-ON-GRADE AT NOT GREATER THAN 15 FEET ON CENTER IN EACH DIRECTION. SAW CUT CONTROL JOINTS MINIMUM ¼ OF SLAB DEPTH, AS SOON AFTER SLAB FINISHING WITHOUT DISLODGING AGGREGATE.
    - D. STEEL TROWEL FINISH ALL INTERIOR CONCRETE SLABS, BROOM FINISH ALL EXTERIOR CONCRETE SLABS.
    - E. CURE ALL CONCRETE IN COMPLIANCE WITH ACI 301, USING A LIQUID TYPE MEMBRANE, NON-RESIDUAL, CURING COMPOUND COMPLYING WITH ASTM C309. ASSURE COMPATIBILITY WITH FINISH FLOOR COVERING.

STRUCTURAL STEEL

1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AND CURRENT OSHA STANDARDS.
2. WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992. STRUCTURAL TUBES SHALL CONFORM TO ASTM A500 GRADE B. ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.
3. BOLTS, UNLESS OTHERWISE SHOWN, SHALL CONFORM TO ASTM A325-N, SIZE AS PER PLAN.
4. ANCHOR BOLTS, UNLESS OTHERWISE SHOWN, SHALL CONFORM TO ASTM F1554 GRADE 36.
5. SPLICING OF STRUCTURAL STEEL IS PROHIBITED EXCEPT AS DETAILED.
6. ALL STRUCTURAL AND MISCELLANEOUS STEEL ITEMS SHALL RECEIVE ONE COAT OF "IRONCLAD RETARDO RUST INHIBITIVE PAINT 163" (BENJAMIN MOORE) OR APPROVED EQUAL UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS. ALL STEEL SURFACES EMBEDDED IN CONCRETE SHALL NOT BE PAINTED. PREPARATION OF STEEL SURFACES SHALL MEET THE REQUIREMENTS OF THE STEEL STRUCTURES PAINTING COUNCIL (SSPC-SP1) AND THE REMOVAL OF GREASE AND OIL BY SOLVENT CLEANING (SSPC-SP1) AND THE REMOVAL OF MILL SCALE, RUST, WELD FLUX AND SLAG BY HAND TOOL CLEANING (SSPC-SP2). PRIMER SHALL BE APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE BUT NOT LESS THAN ONE GALLON PER 400 SQ.FT. THEREBY DEPOSITING A DRY FILM THICKNESS OF NOT LESS THAN 1.5 MILS. ANY SCARRED AREAS SHALL BE TOUCHED UP WITH THE SAME PAINT AFTER ERECTION.
7. ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS IN ACCORDANCE WITH THE CURRENT EDITION OF THE AWS STRUCTURAL WELDING CODE. WELDING ELECTRODES SHALL BE E70XX.

POST-INSTALLED ANCHORS

1. ALL POST-INSTALLED ANCHORS SHALL MEET THE REQUIREMENTS OF THE CODE-CITED EDITION OF ACI 318, APPENDIX "D", AND SHALL BE ACCEPTABLE FOR BOTH CRACKED AND UNCRACKED CONCRETE.
2. EXPANSION ANCHORS HAVE BEEN DESIGNED AS HILTI KWIK BOLT TZ ANCHORS, UNLESS NOTED OTHERWISE.
3. ADHESIVE ANCHORS HAVE BEEN DESIGNED TO USE HILTI HIT HY 200 ADHESIVE IN CONCRETE OR SOLID MASONRY, UNLESS NOTED OTHERWISE.
4. EQUIVALENT ANCHORS MAY BE SUBMITTED FOR THE ENGINEER'S APPROVAL. SUBMITTALS ARE THE CONTRACTOR'S RESPONSIBILITY AND MUST INCLUDE EVALUATION REPORTS FROM THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO).
5. EMBEDMENT DEPTH IS DEFINED AS THE DISTANCE FROM THE SURFACE OF THE LOAD-BEARING BASE MATERIAL TO THE DEEPEST PART OF THE ANCHOR AFTER THE ANCHOR HAS BEEN DRIVEN INTO THE HOLE BUT NOT YET EXPANDED.
6. ADHESIVE ANCHORS SHALL BE ACCEPTABLE FOR LONG-TERM LOADING. WHEN BASE MATERIAL TEMPERATURES ARE BELOW 40 DEG F, ONLY NON-EPOXY-BASED ADHESIVES SHALL BE USED.
7. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLANE ANCHORS. CARE SHALL BE TAKEN TO AVOID CONFLICTS WITH EXISTING REINFORCING BARS. HOLES SHALL BE DRILLED AND CLEANED PER ANCHOR MANUFACTURER'S SPECIFICATIONS.
8. STAINLESS STEEL ANCHORS ARE REQUIRED AT ALL PERMANENTLY EXPOSED WEATHER CONDITIONS.

COLD-FORMED METAL FRAMING

1. ALL PRODUCTS TO BE MANUFACTURED BY CURRENT MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION.
2. ALL GALVANIZED STUDS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE AISI STANDARDS. Fy= 33 KSI UNLESS NOTED OTHERWISE.
3. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE AISI SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AND SHALL CONFORM TO ASTM C955.
4. FASTENING OF COMPONENTS SHALL BE WITH CORROSION RESISTANT SELF-DRILLING SCREWS, OR WELDS COMPLYING WITH AWS STANDARDS. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH ZINC-RICH PAINT. WELDERS SHALL BE QUALIFIED PER AWS D1.3.
5. SLIP TRACK IS EXPECTED AT ROOF TO WALL CONNECTIONS @ INTERIOR WHEN WALLS ARE GROUND SUPPORTED.

TIMBER

TIMBER WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT ANSI/AF&PA NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION, WITH THE FOLLOWING SUPPLEMENTAL REQUIREMENTS:

1. FOR COMMON MEMBER SIZES, THE SPECIES AND GRADES SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
   - A. 2X4 SPF No.1/No.2
   - B. 2X6 SPF No.1/No.2
   - C. 2X8 DF-L No.2
   - D. 2X10 DF-L S.S.
   - E. 2X12 DF-L S.S.

   EQUIVALENT (OR BETTER) GRADES & SPECIES MAY BE SUBMITTED FOR THE ENGINEER'S APPROVAL.
2. SIZES SHOWN FOR LUMBER ARE NOMINAL SIZES.
3. TIMBER EXPOSED TO WEATHER OR GROUND, OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-IMPREGNATED BY AN APPROVED PROCESS AND PRESERVATIVE.
4. SPLICING OF JOISTS, STUDS, OR HEADERS IS PROHIBITED EXCEPT AS SHOWN.
5. BOLTS SHALL CONFORM TO ASTM A307. HOLES SHALL BE DRILLED PER SECTION 11.1.2 OF THE 2005 ANSI/AF&PA NDS FOR WOOD CONSTRUCTION.
6. LAG SCREWS AND WOOD SCREWS SHALL BE INSTALLED PER SECTIONS 11.1.3 AND 11.1.4, RESPECTIVELY, OF THE 2005 ANSI/AF&PA NDS FOR WOOD CONSTRUCTION.
7. COMMON NAILS SHALL BE USED, UNLESS NOTED OTHERWISE. IN ADDITION, NAILS SHALL BE GALVANIZED, IF EXPOSED TO WEATHER OR MOISTURE. TOE-NAILS SHALL BE DRIVEN PER SECTION 11.1.5.4 OF THE 2005 ANSI/AF&PA NDS FOR WOOD CONSTRUCTION.
8. FASTENING SHALL BE PER THE IBC MINIMUM FASTENING SCHEDULE, TABLE 2304.9.1, UNLESS NOTED OTHERWISE.
9. CONNECTIONS/CONNECTORS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

BRICK LINTELS

1. ALL STEEL LINTELS TO BE A36 STEEL, A992 GRADE 50, OR A500 GRADE B. ALL LINTELS TO BE HOT DIPPED GALVANIZED.

PREFABRICATED WOOD TRUSSES

1. FLOOR & ROOF TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE (TPI) DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES, AND THE ANSI/NF&PA NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION.
2. PROVIDE TEMPORARY AND PERMANENT BRACING ON ALL TRUSSES, AS REQUIRED TO PROVIDE MEMBER AND TRUSS STABILITY.
3. FLOOR & ROOF TRUSSES SHALL BE DESIGNED AND CONSTRUCTED FOR A MAXIMUM TOTAL LOAD DEFLECTION OF L/360 AND TO SAFELY SUPPORT THE FOLLOWING LOADS:
   - A. DEAD, LIVE, SNOW, WIND, EARTHQUAKE: SEE PROJECT DESIGN DATA ON COVER SHEET.
   - B. MECHANICAL PIPE LOAD: TRUSSES SHALL BE DESIGNED FOR A CONCENTRATED LOAD OF 250 LBS HUNG ANYWHERE ALONG THE BOTTOM CHORD.
   - C. OVER-FRAMING LOAD: TRUSSES SHALL ALSO BE DESIGNED TO SUPPORT ADDITIONAL OVERBUILD FRAMING, SUCH AS THAT WHICH FORMS VALLEYS AND HIPS ON ROOFS.
   - D. DRIFTED SNOW LOAD: TRUSSES SHALL BE DESIGNED TO SUPPORT DRIFTED SNOW LOADS IN ACCORDANCE WITH THE APPROPRIATE BUILDING CODE.
   - E. IN-PLANE LATERAL LOADS: TRUSSES SHALL BE DESIGNED TO SUPPORT ANY LATERAL LOADS CARRIED AXIALLY IN THE PLANE OF THE TRUSS, AS SHOWN ON THE PLANS.
4. GABLED END TRUSSES SHALL HAVE VERTICAL MEMBERS SPACED AT 16" O.C. MAXIMUM.
5. SUBMITTALS SHALL INCLUDE THE FOLLOWING:
   - A. SHOP DRAWINGS PREPARED UNDER THE SUPERVISION OF, AND SIGNED AND SEALED BY, A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS BUILT. THESE DRAWINGS SHALL INDICATE SPECIES, GRADE, AND SIZES OF LUMBER TO BE USED; PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING FOR EACH TYPE OF TRUSS REQUIRED; TYPE, SIZE, MATERIAL, FINISH, AND LOCATION OF METAL CONNECTOR PLATES; AND BEARING DETAILS. SHOW TRUSS LAYOUT AND ALL REQUIRED TEMPORARY AND PERMANENT BRACING AFFECTING THE STRUCTURAL CAPACITY OF THE TRUSSES.

PROVIDE COMPLETE ENGINEERING DESIGN CALCULATIONS THAT INCLUDE DESIGN VALUES, DESIGN ANALYSIS INDICATING LOADING, ASSUMED ALLOWABLE STRESSES, STRESS DIAGRAMS, AND CALCULATIONS, AND ANY OTHER INFORMATION NEEDED FOR REVIEW. THE CALCULATIONS SHALL HAVE BEEN SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER WHO IS REGISTERED IN THE STATE WHERE THE PROJECT IS BUILT AND WHO IS RESPONSIBLE FOR PREPARATION OF THE CALCULATIONS.

SLOTTED CHANNEL FRAMING

1. MANUFACTURERS
   - a. ALL COLD-FORMED CHANNEL AND FITTINGS SHALL BE A MANUFACTURED BY:
     - i. UNISTRUT CORPORATION
     - ii. HILTI SUPPORT AND INSTALLATION SYSTEMS
2. MATERIALS
   - a. CHANNEL: ALL COLD-FORMED CHANNEL MEMBERS SHALL BE FABRICATED FROM STRUCTURAL GRADE STEEL CONFORMING TO ONE OF THE FOLLOWING ASTM SPECIFICATIONS: A1011 SS GR 33 OR A653 GR 33. CHANNEL SHALL BE 1-5/8" FRAMING SYSTEM 12 GAGE. MINIMUM YIELD STRENGTH SHALL BE 33 KSI.
   - b. FITTINGS: ALL COLD-FORMED FITTINGS SHALL BE FABRICATED FROM STEEL CONFORMING TO ONE OF THE FOLLOWING ASTM SPECIFICATIONS: A575, A576, A36, OR A653. MINIMUM FITTING THICKNESS SHALL BE ¼" WITH PHYSICAL REQUIREMENTS PER A1011. MINIMUM YIELD STRENGTH SHALL BE 33 KSI.
   - c. CHANNEL NUTS: ALL CHANNEL NUTS SHALL BE FABRICATED FROM STEEL CONFORMING TO ASTM SPECIFICATION A1011 SS GR 33.
   - d. BOLTS AND FASTENERS: ALL BOLTS AND FASTENERS USED IN CONNECTIONS SHALL BE MINIMUM SAE GRADE 5, EG FINISH.
   - e. HOT ROLLED STRUCTURAL STEEL: ASTM A36 MINIMUM.
3. FINISHES
   - a. ALL COLD-FORMED CHANNEL AND/OR FITTING MEMBERS SHALL BE FINISHED IN ACCORDANCE WITH ONE OF THE FOLLOWING STANDARDS:
     - i. PERMA-GREEN II (GR): RUST INHIBITIVE ACRYLIC ENAMEL PAINT FINISH APPLIED BY ELECTRO-DEPOSITION, AFTER CLEANING AND PHOSPHATING, AND THOROUGHLY BAKED. COLOR PER FEDERAL STANDARD 595A COLOR NUMBER 14109 (DARK LIMIT V-). FINISH PAINT SHALL WITHSTAND MINIMUM 400 HOURS SALT SPRAY (SCRIBED), AND 600 HOURS SALT SPRAY (UNSCRIBED), WHEN TESTED IN ACCORDANCE WITH ASTM B117. OR APPROVED EQUAL PAINT FINISH.
     - ii. ELECTRO-GALVANIZED (EG): ELECTROLYTICALLY ZINC COATED PER ASTM B633 TYPE III SC 1
     - iii. PRE-GALVANIZED (PG): ZINC COATED BY HOT-DIPPED PROCESS PRIOR TO ROLL FORMING. THE ZINC WEIGHT SHALL BE G90 CONFORMING TO ASTM A653.

SPECIAL INSPECTIONS

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.

- a. CONCRETE GROUT DESIGN MIX (PERIODIC)
- b. PLACING OF CONCRETE AND REINFORCING STEEL (CONTINUOUS OF CONCRETE SAMPLING / PERIODIC OF REINFORCING)
- c. BOLTS & ANCHORS EMBEDDED IN CONCRETE (PERIODIC)
- d. STRUCTURAL STEEL FABRICATIONS (UNLESS AISC APPROVED) (PERIODIC)
- e. STRUCTURAL STEEL BOLTING & WELDING (PERIODIC)
- f. POST INSTALLED ANCHORS IN CONCRETE (CONTINUOUS)
- g. IN-SITU SOILS, EXCAVATIONS, FILLING & COMPACTION (PERIODIC)
- h. WOOD FRAMING:
  - h.a. SHEAR WALLS; WALL SIZE, CONFIGURATION, BLOCKING, PANEL GRADE, PANEL THICKNESS, AND FASTENING. (PERIODIC)
  - h.b. DIAPHRAGMS (FLOOR AND ROOF SHEATHING); SIZE, CONFIGURATION, BLOCKING, PANEL GRADE, PANEL THICKNESS, AND FASTENING. (PERIODIC)
  - h.c. FRAMING MEMBERS AND DETAILS (PERIODIC)
  - h.d. MATERIAL GRADE (PERIODIC)
  - h.e. CONNECTIONS; HANGERS, HOLD DOWNS, BUILT-UP COLUMNS, BUILT-UP BEAMS (PERIODIC)
  - h.f. PRE-ENGINEERED TRUSSES; FRAMING, CONNECTIONS, BRIDGING (PERIODIC)
- i. COLD-FORMED FRAMING:
  - i.a. STRAP BRACING. (PERIODIC)
  - i.b. DIAPHRAGMS (FLOOR); SIZE, CONFIGURATION, BLOCKING, PANEL GRADE, PANEL THICKNESS, AND FASTENING. (PERIODIC)
  - i.c. FRAMING MEMBERS AND DETAILS (PERIODIC)
  - i.d. MATERIAL GRADE (PERIODIC)
  - i.e. CONNECTIONS; HANGERS, HOLD DOWNS, BUILT-UP COLUMNS, BUILT-UP BEAMS (PERIODIC)
  - i.f. PRE-ENGINEERED TRUSSES; FRAMING, CONNECTIONS, BRIDGING (PERIODIC)

THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE ITEMS LISTED ABOVE PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF THE WORK.

DESIGN DATA

2021 INTERNATIONAL BUILDING CODE / ASCE 7-16

BUILDING OCCUPANCY CATEGORY	II
ROOF LOAD DATA	
LIVE LOAD	20
ASPHALT SHINGLES + FELT	3.0
5/8" OSB ROOF SHEATHING	2.5
PRE-ENGINEERED WOOD TRUSSES @ 2'-0" O.C.	3.0
INSULATION (BLOWN)	1.0
MECHANICAL ALLOWANCE	4.0
5/8" GYP. CEILING	1.5
SOLAR	5.0
TOTAL TO TRUSSES	40 lbs/sq.ft
RAIN LOADING	
15 MINUTE RAIN INTENSITY	6.9 in/hr
60 MINUTE RAIN INTENSITY	3.23 in/hr
ROOF SNOW LOAD DATA* (*UNBALANCED & DRIFTING SNOW TO BE DETERMINED IN ADDITION TO UNIFORM LOAD, WHERE APPLICABLE)	
P_g =	20 lbs/sq.ft
C_e =	1.0
I_s =	1.0
C_t =	1.0
p_f =	14.00 lbs/sq.ft
WIND DESIGN DATA	
V_{ult} =	115 M.P.H. (3-SECOND GUST)
RISK CATEGORY	II
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT =	± 0.18
DIRECTIONAL PROCEDURE (MWFRS - ASCE 7, CH 27; C&C - ASCE 7, CH 30, PART 4)	
MAXIMUM COMPONENTS & CLADDING WIND	+/-33.76 lbs/sq.ft
EARTHQUAKE DESIGN DATA	
RISK CATEGORY	II
I_E =	1.0
S_{DS} =	0.288
S_1 =	0.129
SITE CLASS	C
S_{DS} =	0.25
S_{D1} =	0.129
SEISMIC DESIGN CATEGORY	C
BASIC SEISMIC-FORCE-RESISTING SYSTEM = LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE/ LIGHT-FRAME (COLD-FORMED STEEL) WALL SYSTEMS USING FLAT STRAP BRACING	
R =	6.5 /4
Ω_o =	3.0 /2
C_d =	4.0 /3.5
DESIGN BASE SHEAR	$V = 0.038W$ /0.063W
EQUIVALENT LATERAL FORCE PROCEDURE	
NET ALLOWABLE SOIL BEARING	2,000 lbs/sq.ft**

(**PER GEOTECHNICAL REPORT BY JACOBI GEOTECHNICAL ENGINEERING INC. DATED APRIL 23, 2019)

INDEX OF SHEETS

COVER / GENERAL STRUCTURAL DATA	S100
FOUNDATION PLAN	S200
FOUNDATION DETAILS	S210
ROOF FRAMING PLAN	S300
ROOF FRAMING DETAILS	S310 - S312

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#2005001013

STATE OF MISSOURI
GREGORY L. LINNEMAN
NUMBER PE-2005001013
3/28/25
GREGORY L. LINNEMAN - PE
MO LICENSE - 2005001013

Missouri Center for Oral Surgery & Implants at Wentzville
1046 Wentzville Parkway
Wentzville, MO 63385

Revisions:

No.	Date	Description
	03-28-25	PERMIT

Sheet Info:

GENERAL STRUCTURAL DATA

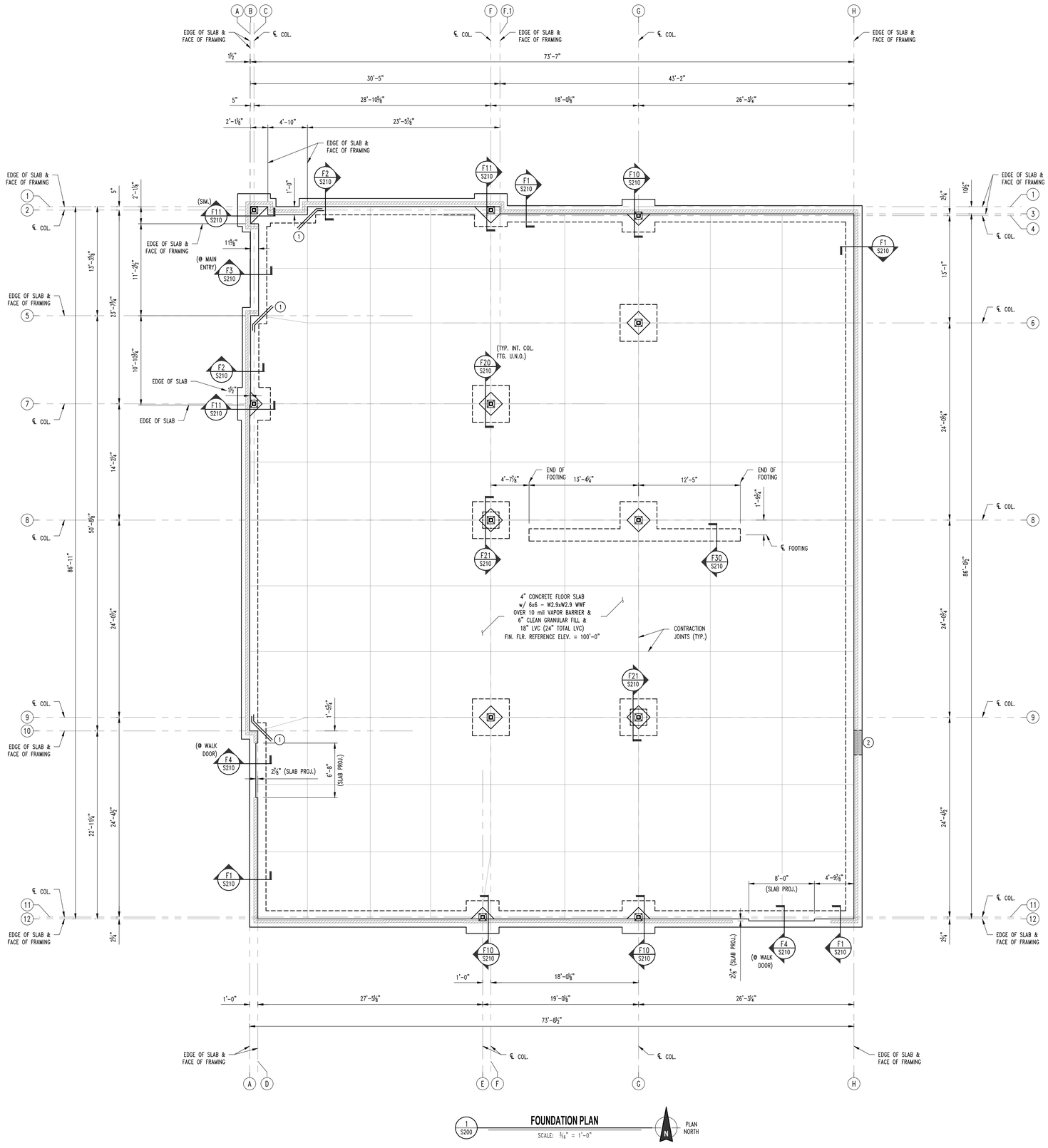
Drawn By:	RCA
Checked By:	GLL
Commission:	
Date:	2025-03-28

S100

NOTE:
ALL DIMENSIONS ARE FROM FACE OF FOUNDATION WALL OR FRAMING; EDGE OF SLAB OR TRUSS/RAFTER; OR CENTERLINE OF COLUMN, BEAM, OR JOIST UNLESS NOTED OTHERWISE.

FOUNDATION NOTES

1. REENTRANT CORNER BARS, REFER TO TYPICAL CRACK CONTROL REINFORCING DETAIL S210.
2. NOTCH FOOTING FOR ELECTRICAL CONDUIT, REFER TO MEP FOR SIZE AND LOCATION.



1 S200 **FOUNDATION PLAN**
SCALE: 3/16" = 1'-0"
PLAN NORTH

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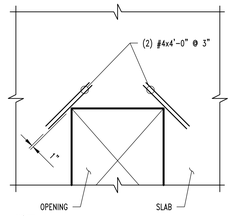
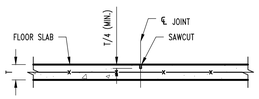
Commission:	
Date:	2025-03-28

S200

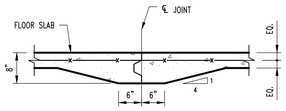


NOTE:
TYPICAL AT ALL REENTRANT CORNERS FOR SLAB-ON-GRADE & STRUCTURAL SLAB. REINFORCING TO BE CENTERED IN SLAB THICKNESS.

CRACK CONTROL REINFORCING



CONTRACTION JOINT



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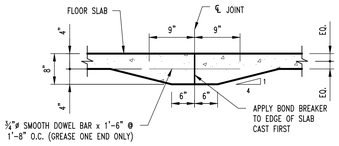

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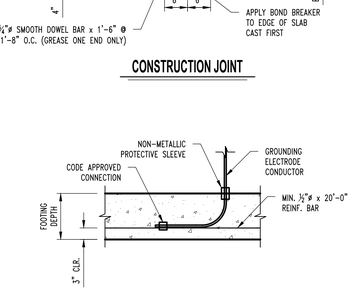
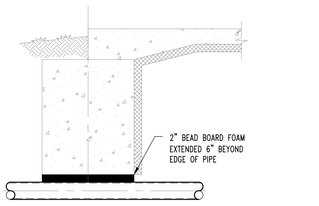
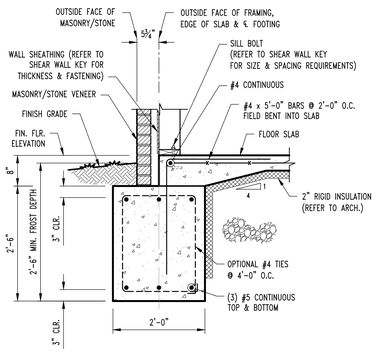


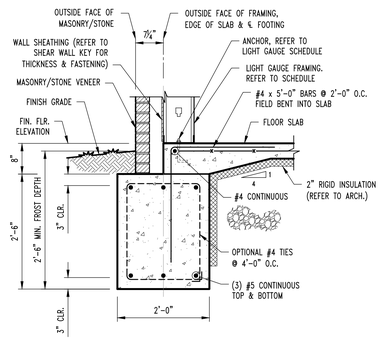
TYP. ELECTRICAL GROUNDING DETAIL @ FOOTING



TYP. PLUMBING COORDINATION DETAILS



F1 S200 **CONT. FOOTING SECTION**
SCALE: ¾" = 1'-0"



F2 S200 **CONT. FOOTING SECTION**
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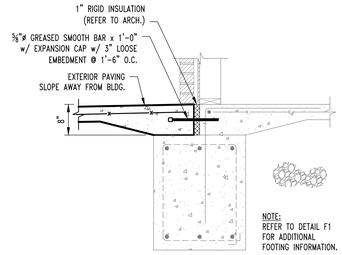

F3 S200 **CONT. FOOTING SECTION @ MAIN ENTRY**
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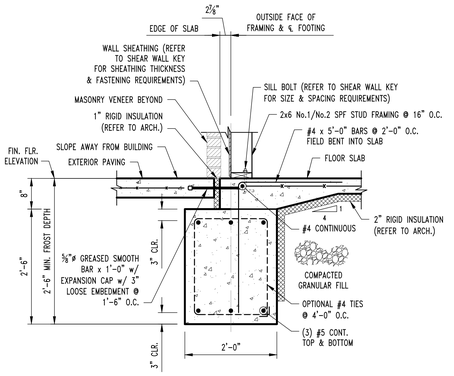

F4 S200 **CONT. FOOTING SECTION @ WALK DOOR**
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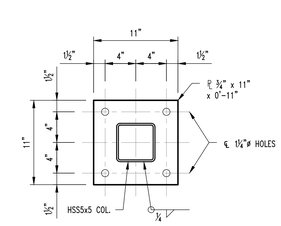
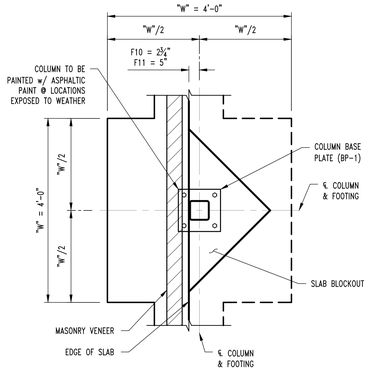
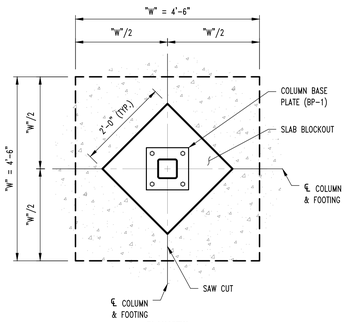


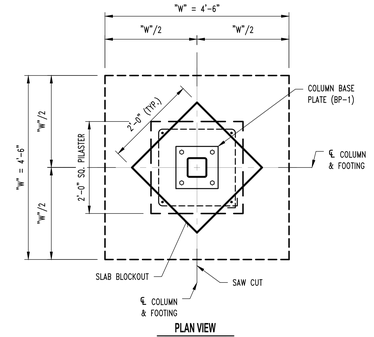
BASE PLATE (BP-1)



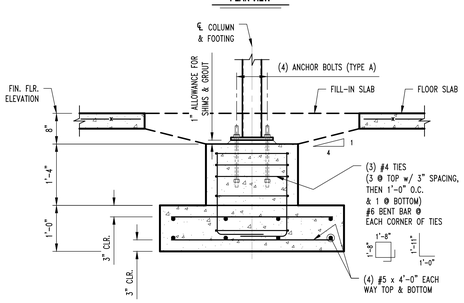
PLAN VIEW



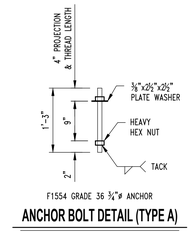
PLAN VIEW



PLAN VIEW

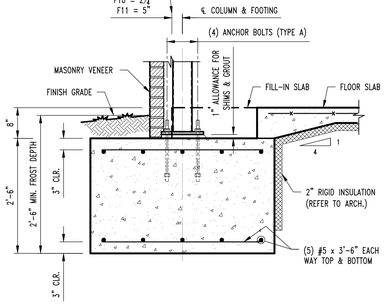


F21 S200 **COLUMN FOOTING SECTION**
SCALE: ¾" = 1'-0"



F1554 GRADE 36 ¾"ø ANCHOR

ANCHOR BOLT DETAIL (TYPE A)



F10 S200 F11 S200 **COLUMN FOOTING SECTION**
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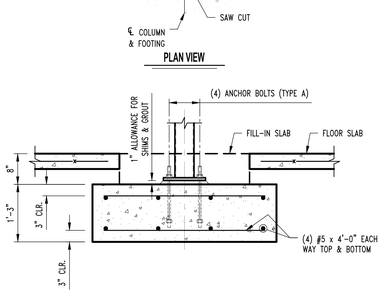

F20 S200 **COLUMN FOOTING SECTION**
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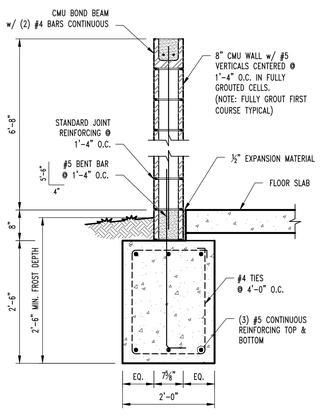
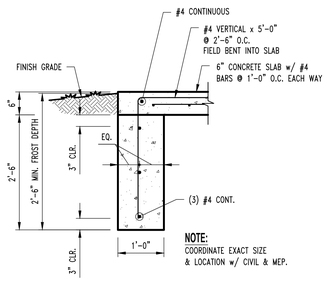
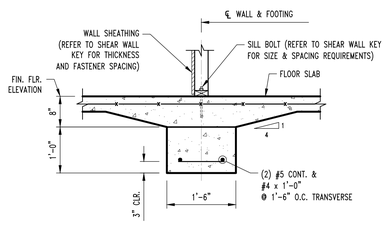


TYP. DUMPSTER WALL SECTION



TYP. GENERATOR FOUNDATION SECTION



F30 S200 **CONT. INTERIOR FOOTING SECTION**
SCALE: ¾" = 1'-0"

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	03-28-25	PERMIT

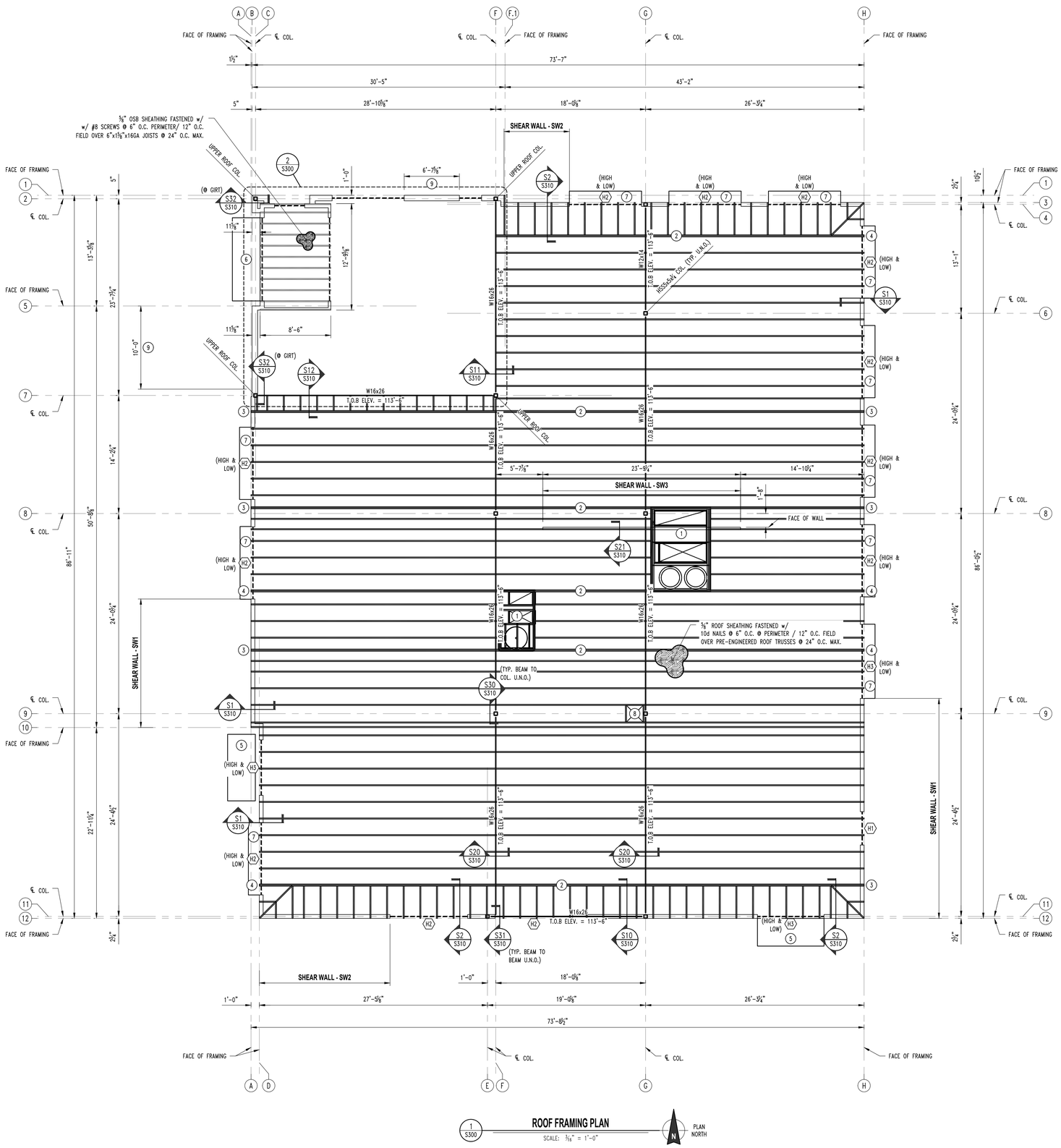
Sheet Info:

FOUNDATION DETAILS

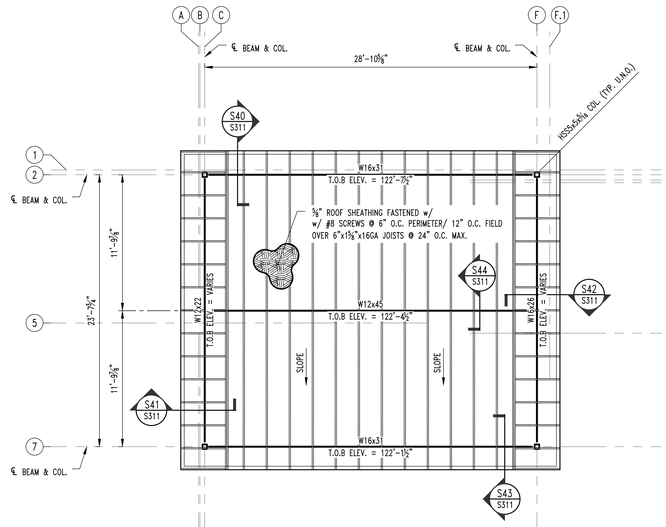
Drawn By:	RCA
Checked By:	GLL
Commission:	
Date:	2025-03-28

S210

NOTE:
ALL DIMENSIONS ARE FROM FACE OF FOUNDATION WALL OR FRAMING;
EDGE OF SLAB OR TRUSS/RAFTER; OR CENTERLINE
OF COLUMN, BEAM, OR JOIST UNLESS NOTED OTHERWISE.



ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"



UPPER ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"

ROOF FRAMING NOTES

1. RTU, COORDINATE WITH MEP DRAWINGS FOR EXACT SIZE, WEIGHT, & LOCATION.
2. GIRDER TRUSS
3. INSTALL 3-PLY STUD BENEATH GIRDER TRUSS w/ SIMPSON LTTP2 HOLDDOWN @ THE BASE FASTENED w/ (12) 10d NAILS TO STUDS & ⅝"ø A307 THREADED ROD w/ 14" EPOXY EMBEDMENT.
4. REFER TO TYP. GIRDER TO HEADER DETAIL ON SHEET S312.
5. PRE-MANUFACTURED CANOPY (BY OTHERS). REFER TO DETAIL S50/S311.
6. PRE-MANUFACTURED CANOPY (BY OTHERS). REFER TO DETAIL S51/S311.
7. PRE-MANUFACTURED CANOPY (BY OTHERS). REFER TO DETAIL S52/S312.
8. ROOF HATCH, COORDINATE SIZE AND LOCATION w/ ARCH.
9. REFER TO FULL HEIGHT STRAP BRACING DETAIL ON SHEET S312 FOR ADDITIONAL INFORMATION.

HEADER SCHEDULE

LABEL	HEADER	CRIPPLE/JACK	JAMB/KING
"H1"	2 Ply 2x6 SPF #2	Single Ply 2x4 SPF #2	3 Ply 2x6 SPF #2
"H2"	3 Ply 2x10 Doug Fir Sel. Struct.	2 Ply 2x6 SPF #2	4 Ply 2x6 SPF #2
"H3"	3 Ply 2x10 Doug Fir Sel. Struct.	2 Ply 2x6 SPF #2	3 Ply 1.75x5.5 MicroLam 2.0E

LINTEL SCHEDULE

LENGTH OF SPAN	MEMBER SIZE (GALVANIZED)
4'-6" & LESS	L4x4x1/4 WITH 6" BEARING EACH END
9'-0" & LESS	L8x4x7/16 (LLV) WITH 6" BEARING EACH END
12'-0" & LESS	L8x6x1/2 (LLV) WITH 12" BEARING EACH END & WITH 1/2" Ø A307 BOLT @ EACH END INTO JAMB

SHEAR WALL KEY

SW1 SHEAR WALL
- 7/16" OSB SHEATHING FASTENED WITH 8D NAILS @ 4" O.C. @ PERIMETER / 12" O.C. FIELD
- 1/2" DIAMETER F1554 GRADE 36 STANDARD "J" BOLTS W/ 7" EMBEDMENT @ 1'-6" O.C.
- REQUIRES SIMPSON HDU8-SDS2.5 HOLDOWN FASTENED TO 3-PLY STUDS W/ 7/8" DIAMETER A307 THREADED ROD W/ 16" TOTAL (8" INTO FOOTING) SIMPSON "AT-XP" EPOXY EMBEDMENT AT EACH END OF THE SHEAR WALL

SW2 SHEAR WALL
- 7/16" OSB SHEATHING FASTENED WITH 8D NAILS @ 2" O.C. @ PERIMETER / 12" O.C. FIELD (**NOTE:** THIS SHEET FASTENING PATTERN REQUIRES 3X OR DOUBLE 2X FRAMING MEMBERS WHERE SHEETS MEET)
- 1/2" DIAMETER F1554 GRADE 36 STANDARD "J" BOLTS W/ 7" EMBEDMENT @ 1'-0" O.C.
- REQUIRES SIMPSON HDU14-SDS2.5 HOLDOWN FASTENED TO S-PLY STUDS W/ 1" DIAMLTER A307 THREADED ROD W/ HEAVY HEX NUT AND 17" TOTAL (9" INTO FOOTING) SIMPSON "AT-XP" EPOXY EMBEDMENT AT EACH END OF THE SHEAR WALL

SW3 SHEAR WALL
- 3/4" OSB SHEATHING FASTENED WITH 10D NAILS @ 2" O.C. @ PERIMETER / 12" O.C. FIELD (**NOTE:** THIS SHEET FASTENING PATTERN REQUIRES 3X OR DOUBLE 2X FRAMING MEMBERS WHERE SHEETS MEET)
- 1/2" DIAMETER F1554 GRADE 36 STANDARD "J" BOLTS W/ 7" EMBEDMENT @ 1'-0" O.C.
- REQUIRES SIMPSON HD9B HOLDOWN FASTENED TO 3-PLY STUDS W/ (3) 7/8" Ø BOLTS TO THE STUD & W/ 7/8" DIAMETER A307 THREADED ROD W/ HEAVY HEX NUT AND 17" TOTAL (9" INTO FOOTING) SIMPSON "AT-XP" EPOXY EMBEDMENT AT EACH END OF THE SHEAR WALL

TYPICAL WALL UNLESS NOTED
- 7/16" OSB SHEATHING FASTENED WITH 8D NAILS @ 4" O.C. @ PERIMETER / 12" O.C. FIELD
- 1/2" DIAMETER F1554 GRADE 36 STANDARD "J" BOLTS W/ 7" EMBEDMENT @ 3'-0" O.C.
- NO HOLDDOWNS REQUIRED

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STATE OF MISSOURI
GREGORY L. LINNEMAN
NUMBER PE-2005001013
3/28/25
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Missouri Center for Oral Surgery & Implants at Wentzville

1046 Wentzville Parkway
Wentzville, MO 63385

Revisions:

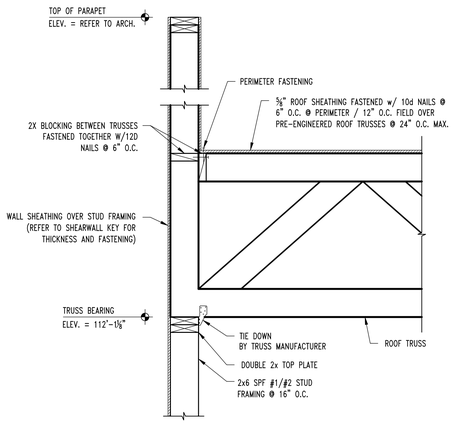
No.	Date	Description
	03-28-25	PERMIT

Sheet Info:

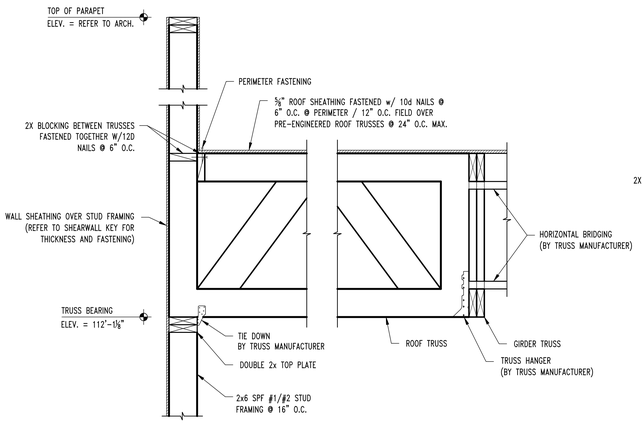
ROOF FRAMING PLAN

Drawn By:	RCA
Checked By:	GLL
Commission:	
Date:	2025-03-28

S300



S1 / S300 **ROOF FRAMING SECTION**
SCALE: 1" = 1'-0"



S2 / S300 **ROOF FRAMING SECTION**
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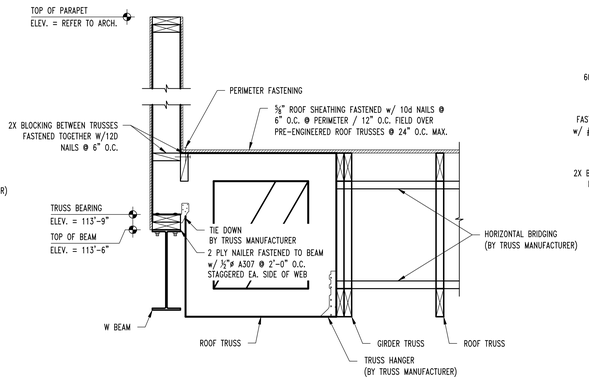

S10 / S300 **ROOF FRAMING SECTION**
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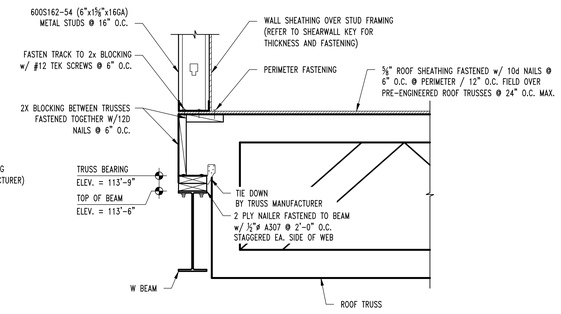

S11 / S300 **ROOF FRAMING SECTION**
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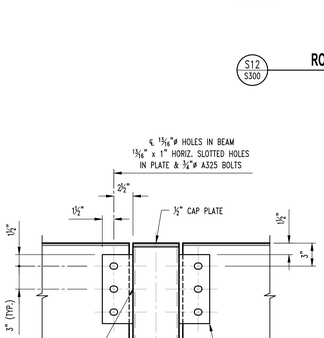
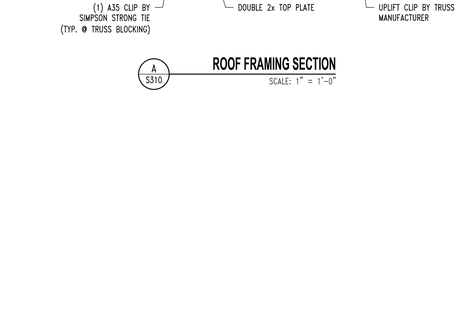
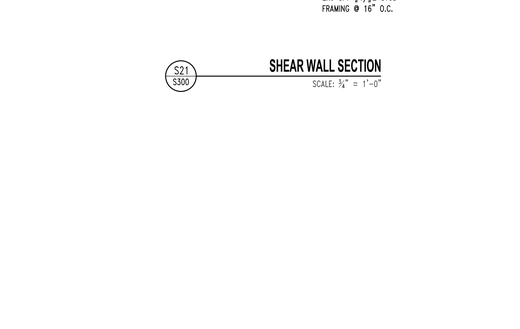


S12 / S300 **ROOF FRAMING SECTION**
SCALE: 1" = 1'-0"

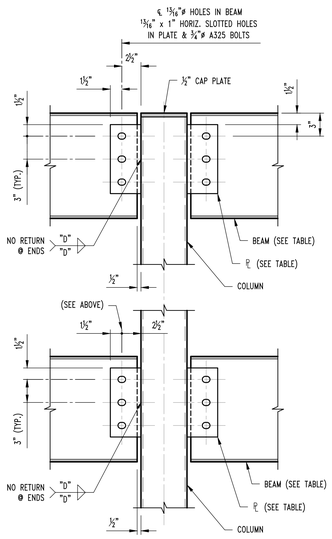
S20 / S300 **ROOF FRAMING SECTION**
SCALE: 1" = 1'-0"



A / S310 **ROOF FRAMING SECTION**
SCALE: 1" = 1'-0"

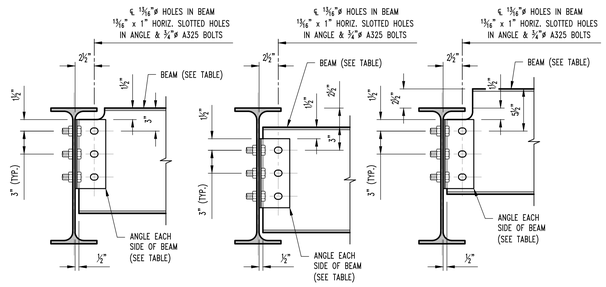


S21 / S300 **SHEAR WALL SECTION**
SCALE: ¾" = 1'-0"



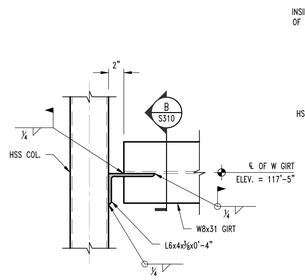
BEAM SIZE	No. OF BOLTS "N"	PLATE SIZE	WELD SIZE "D"
W12	3	5⁄16x4x0'-9"	¼"
W16	4	5⁄16x4x1'-0"	¼"

S30 / S300 **TYP. BEAM TO COLUMN SECTION**
SCALE: 1½" = 1'-0"

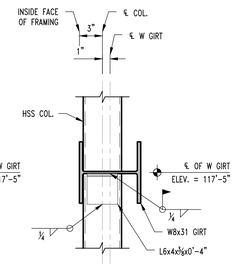


BEAM SIZE	No. OF BOLTS "N"	ANGLE SIZE
W12	3	L4x4x¼x0'-9"
W16	4	L4x4x¼x1'-0"

S31 / S300 **TYP. BEAM TO BEAM CONNECTION**
SCALE: 1½" = 1'-0"



S32 / S300 **TYP. GIRT TO COLUMN SECTION**
SCALE: 1½" = 1'-0"



SECTION "B"

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3/28/25
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ROOF FRAMING DETAILS

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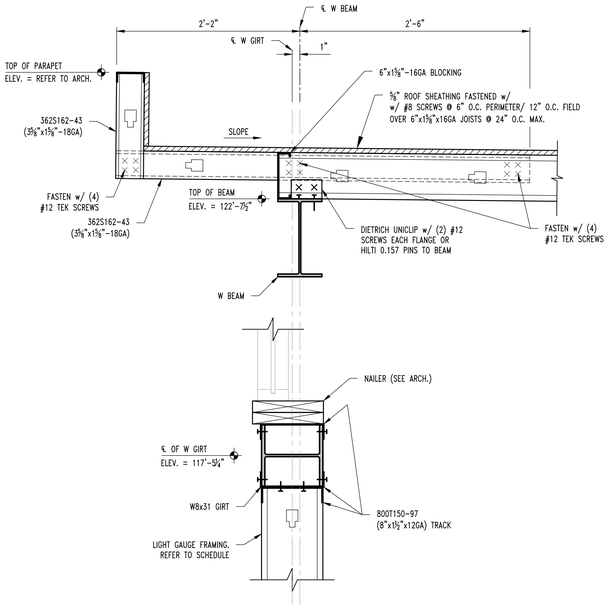
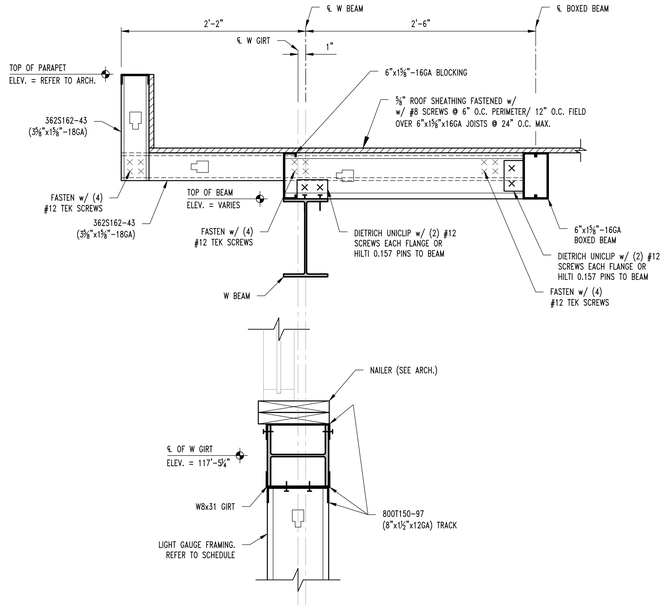
Checked By:	GLL
Commission:	
Date:	2025-03-28

S310



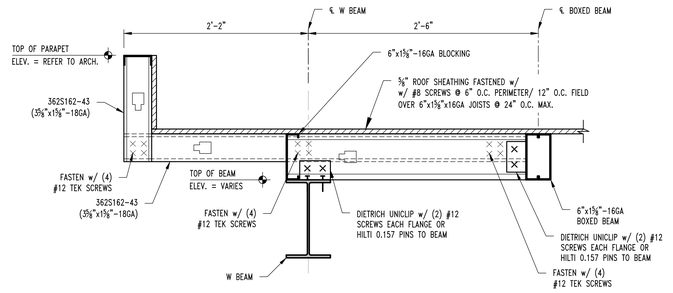
S40 / S300 **ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"



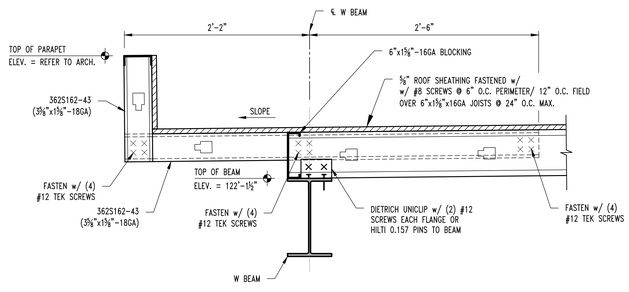
S41 / S300 **ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"



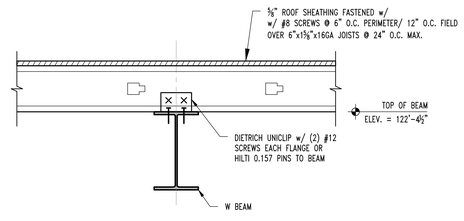
S42 / S300 **ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"



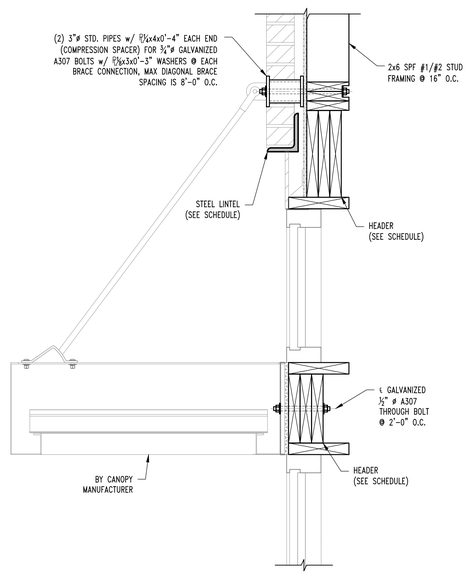
S43 / S300 **ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"



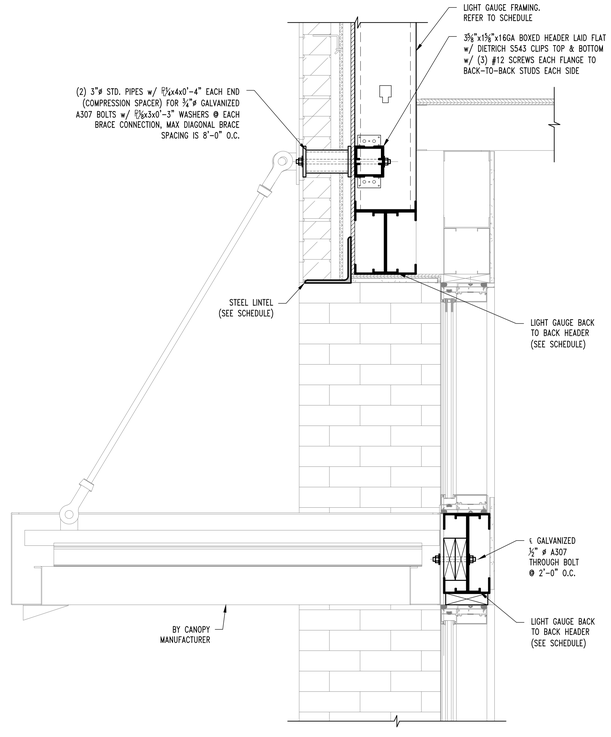
S44 / S300 **ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"



S50 / S300 **CANOPY FRAMING SECTION**

SCALE: 1½" = 1'-0"



S51 / S300 **CANOPY FRAMING SECTION**

SCALE: 1½" = 1'-0"

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ROOF
FRAMING DETAILS

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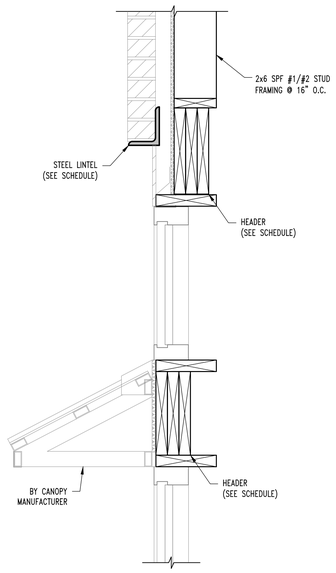
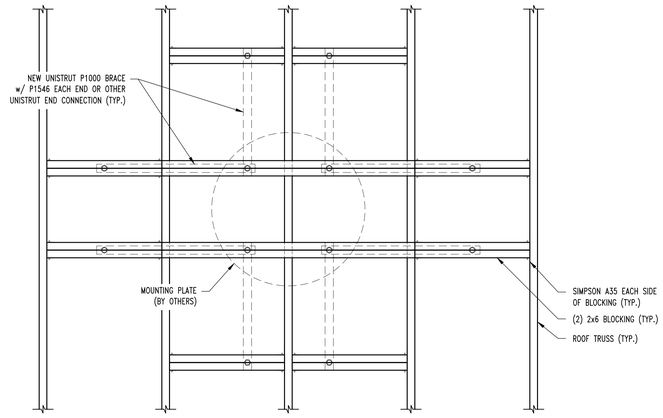
Commission:	
Date:	2025-03-28

S311

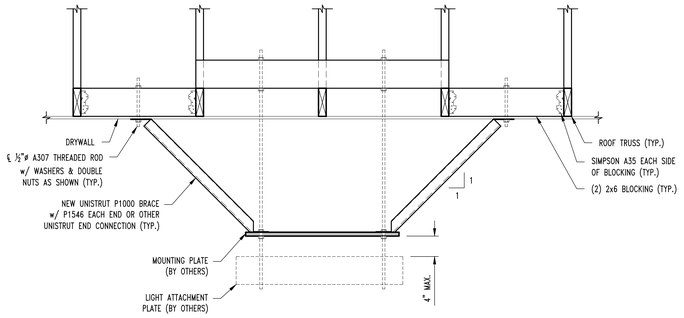


S52 / S300 **CANOPY FRAMING SECTION**

SCALE: 1½" = 1'-0"

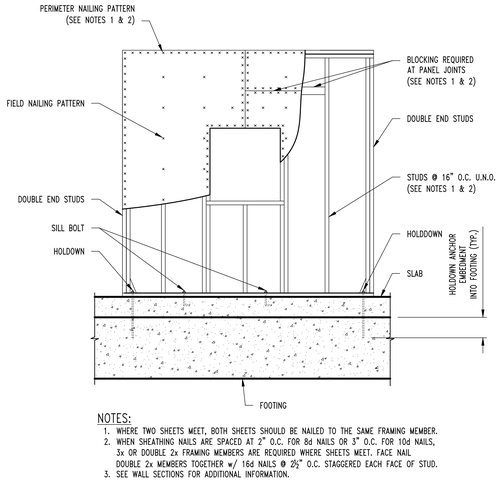


PLAN VIEW



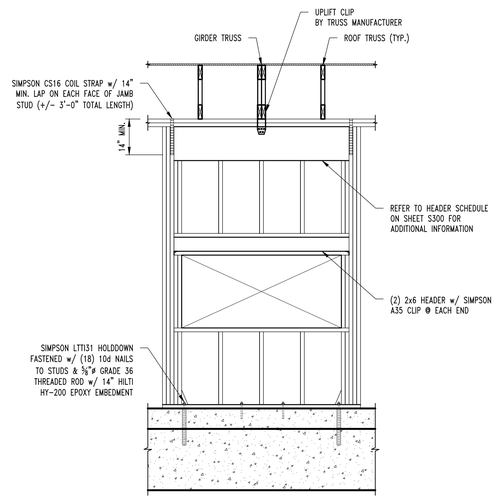
TYP. SURGICAL LIGHT MOUNTING DETAIL

NOTE:
VERIFY SURGICAL LIGHT LOCATIONS w/ ARCH.

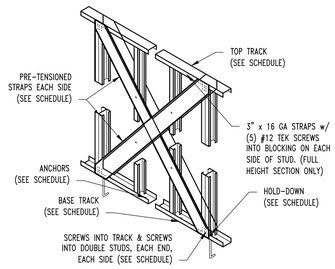


NOTES:
1. WHERE TWO SHEETS MEET, BOTH SHEETS SHOULD BE NAILED TO THE SAME FRAMING MEMBER.
2. WHEN SHEATHING NAILS ARE SPACED AT 2" O.C. FOR 8d NAILS OR 3" O.C. FOR 10d NAILS, 3x OR DOUBLE 2x FRAMING MEMBERS ARE REQUIRED WHERE SHEETS MEET. FACE NAIL DOUBLE 2x MEMBERS TOGETHER w/ 16d NAILS @ 2½" O.C. STAGGERED EACH FACE OF STUD.
3. SEE WALL SECTIONS FOR ADDITIONAL INFORMATION.

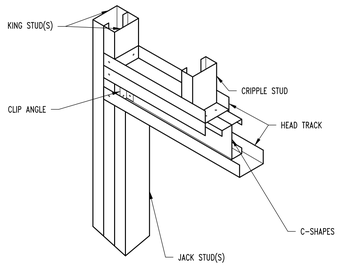
TYP. SHEAR WALL DETAIL



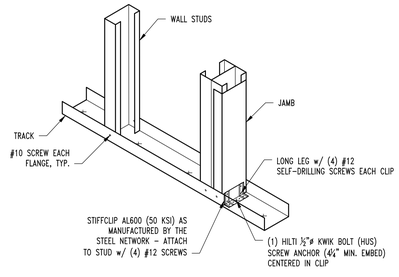
TYP. GIRDER TO HEADER DETAIL



FULL HEIGHT BRACING DETAIL

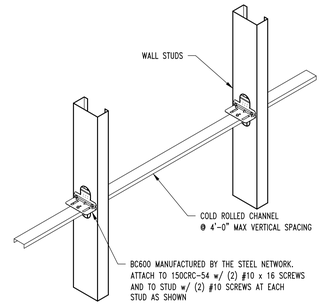


BACK-TO-BACK HEADER DETAIL

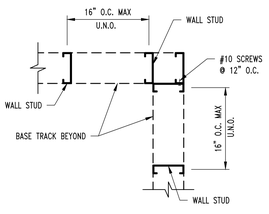


JAMB-TO-FLOOR ATTACHMENT DETAIL

NOTE:
FOR OPENINGS AT BASE, PROVIDE ADDITIONAL CLOSURE TRACK 1'-0" LONG FOR CLIP ATTACHMENT AT FACE OF JAMB OPPOSITE OPENING



WALL BRIDGING DETAIL



TYP. STUD WALL CORNER FRAMING SECTION

STRAP	STRAP SCREWS (EACH END EACH STRAP)	BACK-TO-BACK STUDS	TOP AND BOTTOM TRACK AT BRACE	BASE CONNECTION	END CONNECTION
4 INCH X 16 GA EACH FACE OF WALL	(8)-#12 TEK SCREWS IN TRACK (8) #12 TEK SCREWS IN DOUBLE STUD	800S162-97	800T150-97	1/2" Ø X 4" TITEN HD SCREW ANCHORS @ 2'-0" O.C.	SIMPSON SHDU9 HOLDDOWN W/ (18) #14 TEK SCREWS TO STUD & 7/8" Ø A307 THREADED ROD W/ 18" EPOXY EMBEDMENT INTO FOOTING (24" TOTAL)

HEADER SCHEDULE

HEADER LENGTH	HEADER	SILL/UNDER HEADER SILL	CRIPPLE/JACK	JAMB/KING	JAMB/KING ATTACHMENT TO STRUCTURE	JAMB TO SLAB CONNECTION
4'-0" & LESS	600S162-43 BACK-TO-BACK HEADER (6"x1 5/8x18GA)	SINGLE 800T150-43 (6"x1 1/2"x18GA)	SINGLE 800S162-43 (6"x1 5/8"x18GA)	BACK TO BACK 800S162-43 (6"x1 5/8"x18GA)	DIETRICH E975 W/ 4-#12 SCREWS EACH LEG	DIETRICH D685 W/ 3-#12 SCREWS & 1/2" DIAMETER EXPANSION ANCHOR W/ 3" EMBEDMENT
8'-0" & LESS	600S162-43 BACK-TO-BACK HEADER (6"x1 5/8x18GA)	SINGLE 800T150-54 (6"x1 1/2"x16GA)	SINGLE 800S162-97 (6"x1 5/8"x12GA)	BACK TO BACK 800S162-54 (6"x1 5/8"x12GA)	DIETRICH E975 W/ 4-#12 SCREWS EACH LEG	DIETRICH D685 W/ 3-#12 SCREWS & 1/2" DIAMETER EXPANSION ANCHOR W/ 3" EMBEDMENT
12'-0" & LESS	600S162-43 BACK-TO-BACK HEADER (6"x1 5/8x18GA)	SINGLE 800T150-54 (6"x1 1/2"x16GA)	SINGLE 800S162-97 (6"x1 5/8"x12GA)	BACK TO BACK 800S162-97 (6"x1 5/8"x12GA)	DIETRICH E975 W/ 4-#12 SCREWS EACH LEG	DIETRICH D685 W/ 3-#12 SCREWS & 1/2" DIAMETER EXPANSION ANCHOR W/ 3" EMBEDMENT

NOTE: TYPICAL STUDS 800S162-43 (8"x1 5/8"x18GA) @ 16" O.C. WITH BRIDGING @ 60" O.C. WITH DEFLECTION TRACK 600T150-97 (6"x1 1/2"x12GA) FASTENED WITH #12 TEK SCREWS TO BEAM AT 16" O.C. EACH FACE, SILL TRACK FASTENED TO SLAB WITH 1/4" DIAMETER x 1 1/2" CONCRETE SCREWS AT 16" O.C.

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Commission:	
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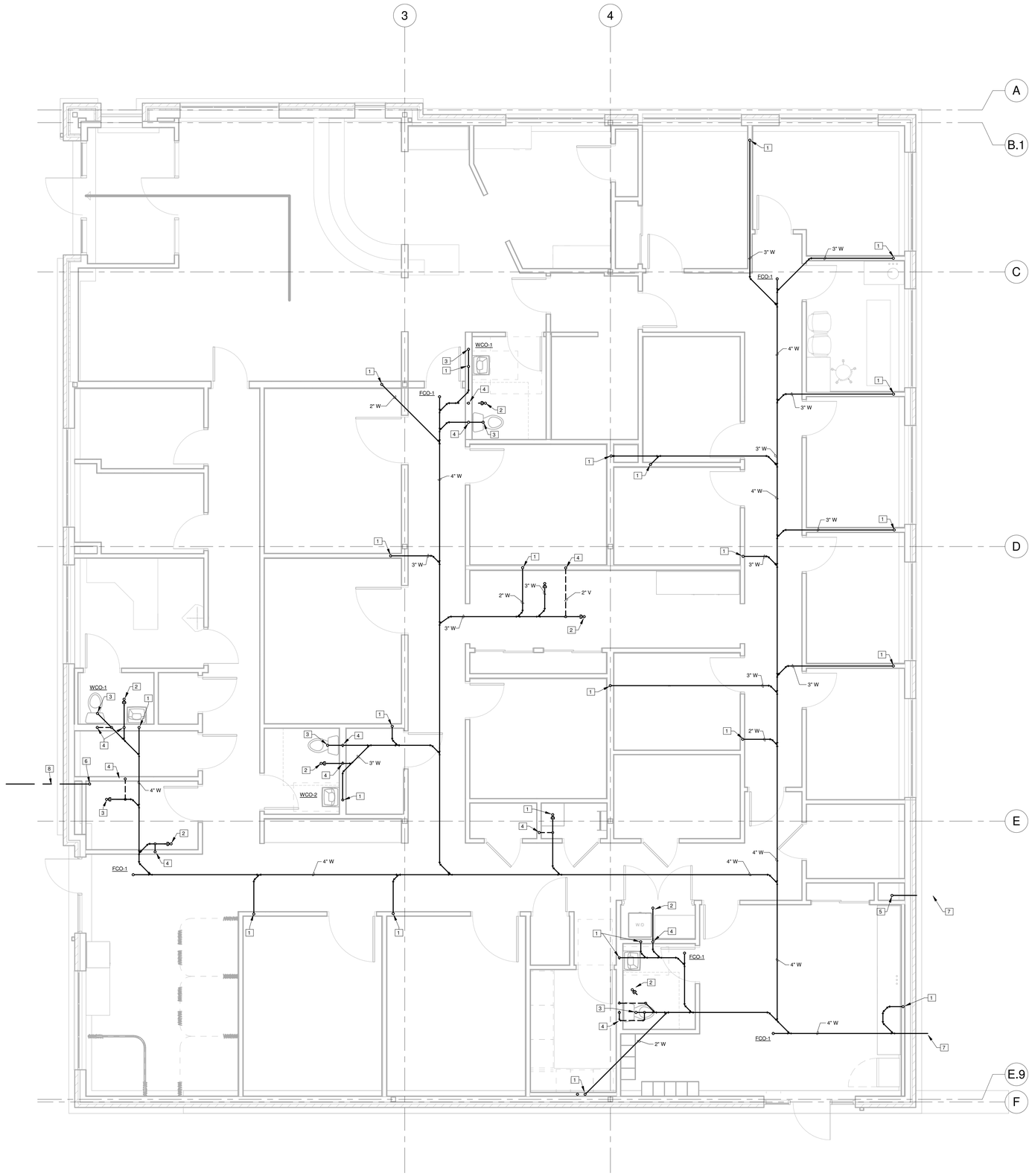
S312



1 PLUMBING - BELOW SLAB PLAN
P1.00 1/4" = 1'-0"

PLUMBING KEYED NOTES:

1. 2" W UP
2. 3" W UP
3. 4" W UP
4. 2" V UP
5. 8" ST UP
6. 2" CW UP
7. 8" ST CONT. BY CIVIL CONTRACTOR
8. 2" CW CONT. BY CIVIL CONTRACTOR

0' 2'-0" 4'-0" 8'-0"
1/4" =1'-0"

Revisions		
Number	Description	Date

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REGISTERED PROFESSIONAL ENGINEER

Wentzville Oral Surgery

Wentzville, Missouri

PLUMBING - BELOW SLAB PLAN

Drawn By	Author
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Proj. Mgr.	Checker
Scale	1/4" = 1'-0"

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Date	03/28/25
Job No.	025-2117
Sheet	P1.00

PLUMBING KEYED NOTES:

1. 1/2" CW DN, 1/2" HW DN, 2" V DN
2. 2" V DN
3. CONNECT LINE FROM RO SYSTEM TO SINK
4. 3/4" CW DN, 2" V DN
5. 6" ST UP
6. 8" ST DN
7. DROP 6" STORM BELOW 6" OVERFLOW STORM
8. 3" V.T.R
9. 4" V.T.R
10. 1-1/2" CW DN AND 1-1/2" HW DN TO DWH-1
11. ROUTE 1/2" RO PIPE FROM RO SYSTEM TO ROF-1. RO SYSTEM BY OTHERS.
12. ROUTE 1/2" CW THROUGH 1/2" BFP BELOW SINK. EXTEND 1/2" NON-POTABLE CW FROM DOWNSTREAM SIDE OF BFP TO RO SYSTEM. RO SYSTEM BY OTHERS.
13. 1/2" CW DN, 2" V DN.

1 P2.00 PLUMBING - FIRST FLOOR PLAN
1/4" = 1'-0"

0" 2'-0" 4'-0" 8'-0"
1/4" =1'-0"

Revisions

Number	Description	Date

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STATE OF MISSOURI
DEWAYNE JEFFERSON
NUMBER
2626?
PROFESSIONAL ENGINEER

Wentzville Oral Surgery

Wentzville, Missouri

PLUMBING - FIRST FLOOR PLAN

Drawn By	Author
Proj. Engr.	Designer
Proj. Mgr.	Checker
Scale	1/4" = 1'-0"

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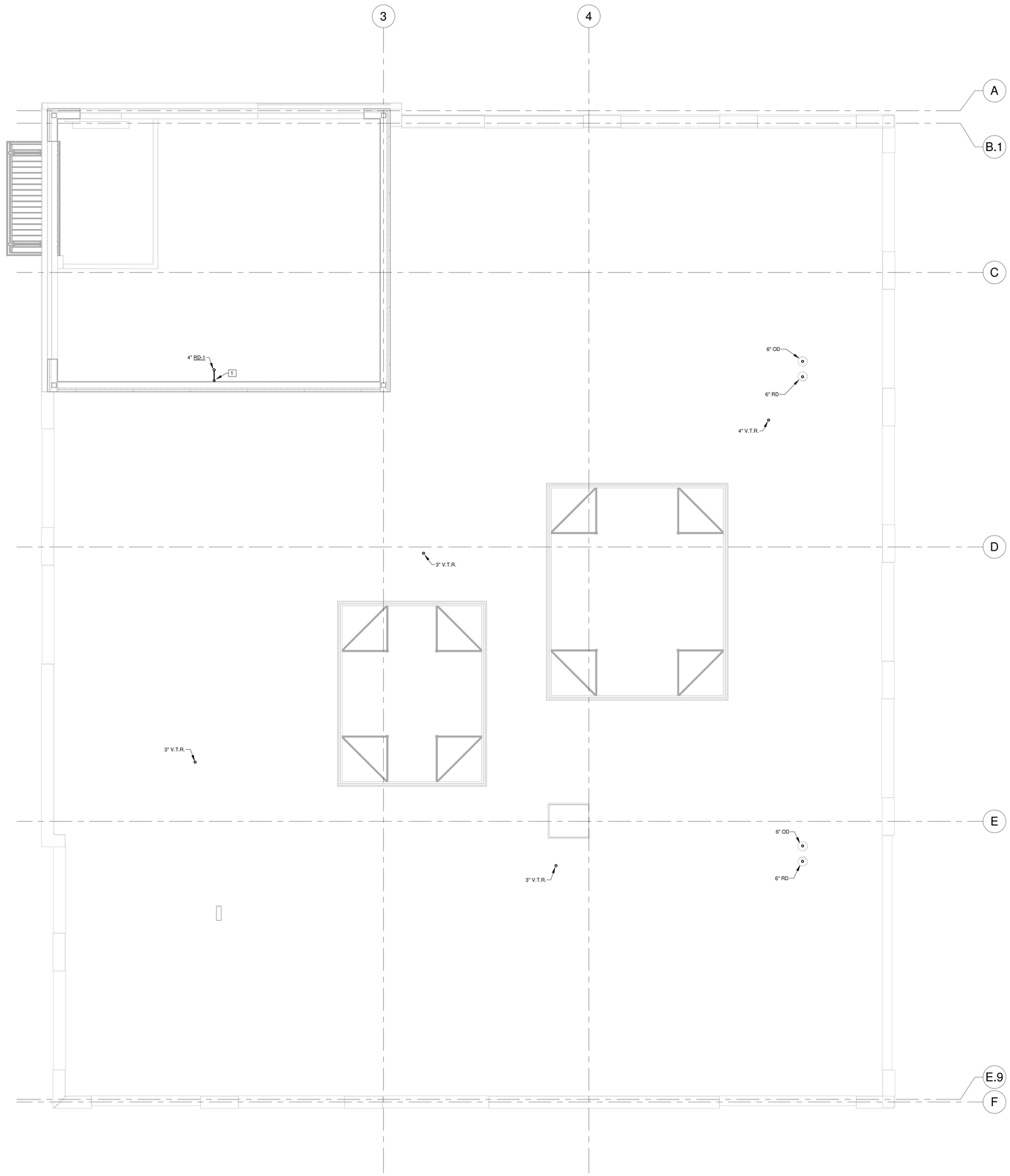
Date	03/28/25
Job No.	025-2117
Sheet	P2.00



1 P3.00 PLUMBING - ROOF PLAN
1/4" = 1'-0"

PLUMBING KEYED NOTES:

1 PIPE 4" STORM FROM UPPER ROOF DOWN THRU SOFFIT AND DOWN EXTERIOR WALL TO SPLASH BLOCK. PIPING COVERING SHALL BE FURNISHED AND INSTALLED BY OTHERS. SPLASHBLOCK BY OTHERS.

0" 2'-0" 4'-0" 8'-0"
1/4" =1'-0"

Revisions

Number	Description	Date

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DEWAYNE JEFFERSON
NUMBER
A-26262
REGISTERED PROFESSIONAL ARCHITECT
3/28/25

Wentzville Oral Surgery

Wentzville, Missouri

PLUMBING - ROOF PLAN

Drawn By: Author
Proj. Engr.: Designer
Proj. Mgr.: Checker
Scale: 1/4" = 1'-0"

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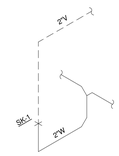
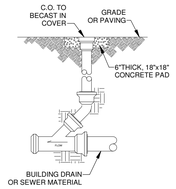
Date: 03/28/25
Job No.: 025-2117
Sheet: P3.00



6 P4.00 TYPICAL SINK ISO.

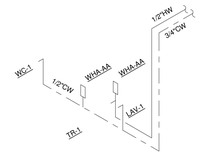
NO SCALE



EXTERIOR CLEANOUT

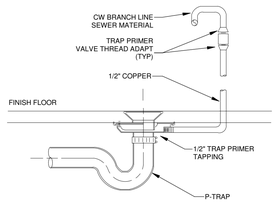
1 P4.00 CLEANOUT DETAIL

NO SCALE



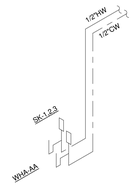
7 P4.00 TYPICAL RESTROOM ISO.

NO SCALE



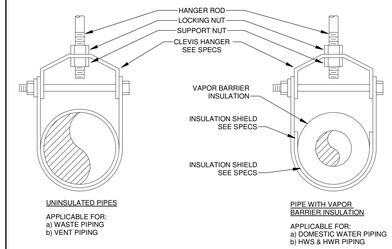
2 P4.00 FLOOR DRAIN W/ TRAP PRIMER

NO SCALE



8 P4.00 TYPICAL SINK ISO.

NO SCALE



UNINSULATED PIPES

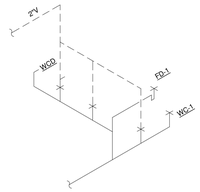
APPLICABLE FOR:
a) WASTE PIPING
b) VENT PIPING

PIPE WITH VAPOR BARRIER INSULATION

APPLICABLE FOR:
a) DOMESTIC WATER PIPING
b) HWS & HWR PIPING

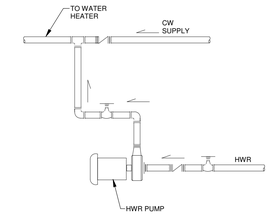
3 P4.00 PIPE HANGER DETAIL

NO SCALE



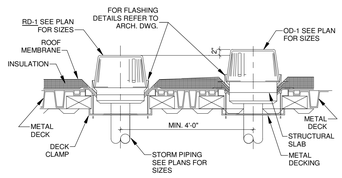
9 P4.00 TYPICAL RESTROOM ISO.

NO SCALE



4 P4.00 HWR PUMP DETAIL

NO SCALE



5 P4.00 ROOF DRAIN W/ OVERFLOW DRAIN

NO SCALE

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STATE OF MISSOURI
DEWAYNE J. JEFFERSON
NUMBER
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PROFESSIONAL ENGINEER

Wentzville Oral Surgery

Wentzville, Missouri

PLUMBING - DETAILS

Drawn By	Proj. Engr.	Proj. Mgr.	Scale
Author	Designer	Checker	

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Date	Job No.	Sheet
03/28/25	025-2117	P4.00

PLUMBING FIXTURE SCHEDULE

DESIGNATION	TYPE	FIXTURE UNITS			WASTE PIPING	VENT PIPING	WATER		SPECIFICATIONS	MANUFACTURERS	MODEL	
		DRAIN	COLD	HOT			COLD	HOT	Note: All fixtures and equipment must meet NAFTA		NAME	NUMBER
WC - 1	WATER CLOSET	6	2.5	-	4"	2"	1/2"	*	KOHLER TALL TWO PIECE ELONGATED TOILET 1.28 GPF	KOHLER	HIGHLINE	K-25224-0
L - 1	LAVATORY	3	1.5	1.5	2"	2"	1/2"	1/2"	WALL-MOUNT BATHROOM SINK	KOHLER CHICAGO FAUCETS	KINGSTON CHICAGO FAUCETS	K-2007 410-E2805ABCP
SK - 1	COUNSULT ROOM SINK	3	1.5	1.5	2"	2"	1/2"	1/2"	UNDER-MOUNT OVAL BASIN WITH UNGLASZED UNDERSIDE	KOHLER CHICAGO FAUCETS	CAXTON OVAL CHICAGO FAUCETS	K-2211 3511-4E2805AB
SK-2	COUNSULT ROOM SINK	3	1.5	1.5	2"	2"	1/2"	1/2"	UNDER-MOUNT STAINLESS STEEL 14" SINGLE BOWL ADA SINK	ELKAY CHICAGO FAUCETS	LUSTERTONE CLASSIC CHICAGO FAUCETS	ELUHAD111650 786-245ABCP
SK-3	LOUNGE/LAB SINK	3	1.5	1.5	2"	2"	1/2"	1/2"	UNDERMOUNT CLASSIC STAINLESS STEEL 23" SINGLE BOWL	ELKAY CHICAGO FAUCETS	LUSTERTONE CLASSIC CHICAGO FAUCETS	ELUHAD211545 786-245ABCP
MB-1	MOP BASIN	3	2	2	2"	2"	1/2"	1/2"	BASIN IN WHITE WITH PVC STRAINER	PROFLO CHICAGO FAUCETS	PROFLO CHICAGO FAUCETS	4203178 897-PCF
WMB-1	WASHING MACHINE OUTLET BOX	3	1.5	1.5	2"	2"	1/2"	1/2"	SIOUX CHIEF OUTLET BOX ALLOWS FOR MOUNTING WITH SUPPLY LINES FROM TOP OR BOTTOM	SIOUX CHIEF	SIOUX CHIEF	696 SERIES
ROF-1	REVERSE OSMOSIS FAUCET	3	1.5	1.5	2"	2"	1/2"	1/2"	WATTS PURE WATER FAUCET NICKEL	WATTS	PURE WATER	PWFCT303CHA
EWC-1	ELECTRIC WATER COOLER	2	1	-	2"	2"	1/2"	-	ENHANCED EZH20 BOTTLE FILLING STATION	ELKAY	ELKAY	LZS8WSLP

INSULATION MATERIALS SPECIFICATION

(NOT ALL SYSTEMS MAY BE REQUIRED ON THIS PROJECT)

TYPE OF MATERIAL	NOTES	TYPE OF SERVICE: HORIZONTAL STORM ABOVE CEILINGS	ROOF DRAIN BODY AND VERT. DROP TO HORIZ	PIPING EXPOSED TO WEATHER	PIPING EXPOSED TO CLIMATIC ELEMENTS	DOMESTIC WATER PIPING - 2" & LARGER	DOMESTIC WATER PIPING - 2" & SMALLER	HW & HWR PIPING ONLY
1-1/2" FIBERGLASS WITH A.S.J. & 0.016 ALUMINUM JACKET, WEATHERPROOF (PIPE ELECTRICALLY TRACED PRIOR TO INSULATING)								
1-1/2" FIBERGLASS WITH A.S.J. (PIPE ELECTRICALLY TRACED PRIOR TO INSULATING)	PRE-FORMED FITTING COVERS							
1" FIBERGLASS WITH ALL-SERVICE JACKET								
1" FIBERGLASS WITH ALL-SERVICE JACKET	PRE-FORMED FITTING COVERS	X	X	X	X	X	X	X
1/2" THICK ELASTOMERIC CLOSED CELL INSULATION - ASTM E-84								

PLUMBING MATERIALS SPECIFICATION

(NOT ALL SYSTEMS MAY BE REQUIRED ON THIS PROJECT)

TYPE OF MATERIAL	TYPE OF SERVICE: BURIED BUILDING SANITARY & VENT	ABOVE GRADE SANITARY & VENT	ABOVE GRADE WASTE TO TANK	BURIED DOMESTIC WATER IN BUILDING	SANITARY & STORM IN R.A. CEILING PLENUM
SCHEDULE 40 PVC W/ SOLVENT CEMENTED DRAINAGE PATTERN FITTINGS ASTM D-2665 (SOLID CORE)	X	X			
COPPER PIPE - SOFT DRAWN TYPE "K" ASTM B88, SOLDERED JOINT				X	
COPPER PIPE - HARD DRAWN TYP "L" ASTM B88, SOLDERED JOINT			X		
COPPER PIPE - HARD DRAWN TYP "L" ASTM B88, PROPRESS FITTINGS			X		
STANDARD WEIGHT NO-HUB CAST IRON ASTM B88				X	
CPVC SR 11 COPPER TUBE SIZE (CTS) PIPE & FITTINGS. ANSI/NSF STANDARDS 14 & 16 (FLOW GUARD GOLD)					
CPVC SCHEDULE 80 PIPE SIZE (IPS) PIPE & FITTINGS. ANSI/NSF STANDARDS 14 & 16 (CORZAN)					

DOMESTIC WATER HEATER FIXTURE SCHEDULE

PLAN MARK	TYPE	QUANTITY	RECOVERY @ 90 DEGREE (GPH)	STORAGE CAPACITY	ELECTRICAL REQUIREMENTS	MANUFACTURERS DESCRIPTION	ROOM LOCATIONS
DWH-1	ELECTRIC	1	55	50	12.3KW	AO SMITH DSE-50A	147

NOTES: PROVIDE AMTROL EXPANSION TANK (ST-5) - 2 GALLON

PUMP SCHEDULE

PLAN MARK	MANUFACTURER	GPM	FT. HEAD	RPM	IMP SIZE	HP	VOLT/PH.	REMARKS
RCP-1	Bell & Gossett	4	-	2800	-	-	115/1	NBF-9UI/LW

NOTES:

DRAIN SCHEDULE

MARK	TYPE	SIZE	MANUFACTURER	MODEL	NOTES
FD-1	FLOOR DRAIN	3"	SIOUX CHIEF	832-36PNRV	-
FD-2	FLOOR DRAIN	4"	SIOUX CHIEF	832-4HNR	-
TP-1	TRAP PRIMER	-	SIOUX CHIEF	695-01	-

NOTES:

Revisions		
Number	Description	Date

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STATE OF MISSOURI
DEWAYNE JEFFERSON
NUMBER
A-26262
REGISTERED
PROFESSIONAL ENGINEER

Wentzville Oral Surgery

Wentzville, Missouri

PLUMBING - SCHEDULES

Drawn By	Proj. Engr.	Proj. Mgr.	Scale
Author	Designer	Checker	

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Date	Job No.	Sheet
03/28/25	025-2117	P5.00

KEYED NOTES:

1. 68"x26" SA DUCT DROP WITH 1" LINING.
2. 76"x22" RA DUCT DROP WITH 1" LINING.
3. 34"x18" SA DUCT DROP WITH 1" LINING.
4. 34"x18" RA DUCT DROP WITH 1" LINING.
5. 6"Ø EA DOWN TO 12" AFF. COVER DUCT OPENING WITH W.M.S.
6. 4"Ø EA UP THROUGH ROOF.
7. PROVIDE DRYER WALL BOX (DRYERBOX DB-350). EXTEND 4"Ø DRYER VENT UP THROUGH ROOF WITH 90 DEG. ROOF JACK. PAINT TO MATCH.
8. PROVIDE 8"Ø8" EA DUCT THROUGH RATED DRYWALL CEILING ON BOTTOM OF JOISTS WITH CEILING RADIATION DAMPER. SEE DETAIL 1/SM1.01.
9. EXHAUST FAN TO BE CONTROLLED BY WALL SWITCH BY E.C.
10. EXHAUST FAN TO RUN CONTINUOUSLY.
11. 8"Ø EA UP THROUGH ROOF.
12. 8"x 12" TRANSFER DUCT WITH 1/2" LINING. PROVIDE (2) 18"x 10" OPENINGS ON TOP OF DUCT. COVER OPENINGS WITH W.M.S.

1 MECHANICAL - FIRST FLOOR PLAN
M2.01 1/4" = 1'-0"

0" 2'-0" 4'-0" 8'-0"
1/4" = 1'-0"

Revisions		
Number	Description	Date

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STATE OF MISSOURI — JOSEPH A. DEPPE — NUMBER A-2006012782 — REGISTERED ARCHITECT — 6.2.92

Wentzville Oral Surgery
Wentzville, Missouri

MECHANICAL - FIRST FLOOR PLAN

Drawn By	
Author	
Proj. Engr.	
Designer	
Proj. Mgr.	
Checker	
Scale	1/4" = 1'-0"

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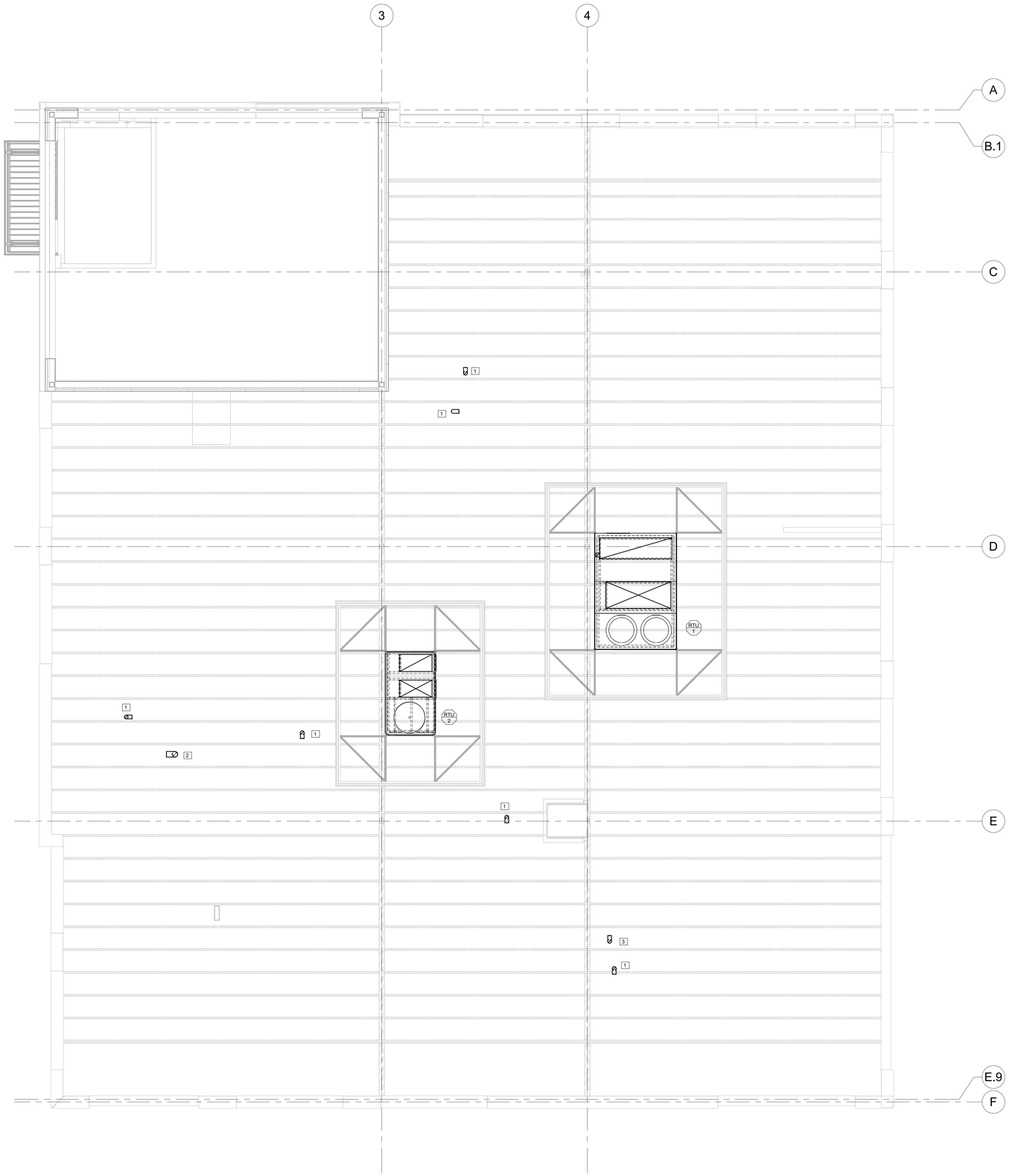
Date	03/28/25
Job No.	025-2117
Sheet	M2.01



KEYED NOTES:

1 4"Ø EA THROUGH ROOF WITH 90 DEGREE ELBOW AND WALL CAP. SEE DETAIL 17/M4.01.

2 6"Ø EA THROUGH ROOF WITH 90 DEGREE ELBOW AND WALL CAP. SEE DETAIL 17/M4.01.

3 4"Ø DRYER VENT THROUGH ROOF WITH 90 DEGREE ELBOW AND WALL CAP. SEE DETAIL 17/M4.01.

1 M2.02 MECHANICAL - ROOF PLAN
1/4" = 1'-0"

0' 2'-0" 4'-0" 8'-0"
1/4" =1'-0"

Revisions

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STATE OF MISSOURI
DEWAYNE JEFFERSON
NUMBER 26262
REGISTERED PROFESSIONAL ENGINEER

Wentzville Oral Surgery

Wentzville, Missouri

MECHANICAL - ROOF PLAN

Drawn By: Author
Proj. Engr.: Designer
Proj. Mgr.: Checker
Scale: 1/4" = 1'-0"

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Date: 03/28/25
Job No.: 025-2117
Sheet: M2.02

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STATE OF MISSOURI
DEWAYNE A. PETERSON
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Wentzville Oral Surgery

Wentzville, Missouri

MECHANICAL PIPING - FIRST FLOOR PLAN

Drawn By	Author
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Designer	
Proj. Mgr.	
Checker	
Scale	1/4" = 1'-0"

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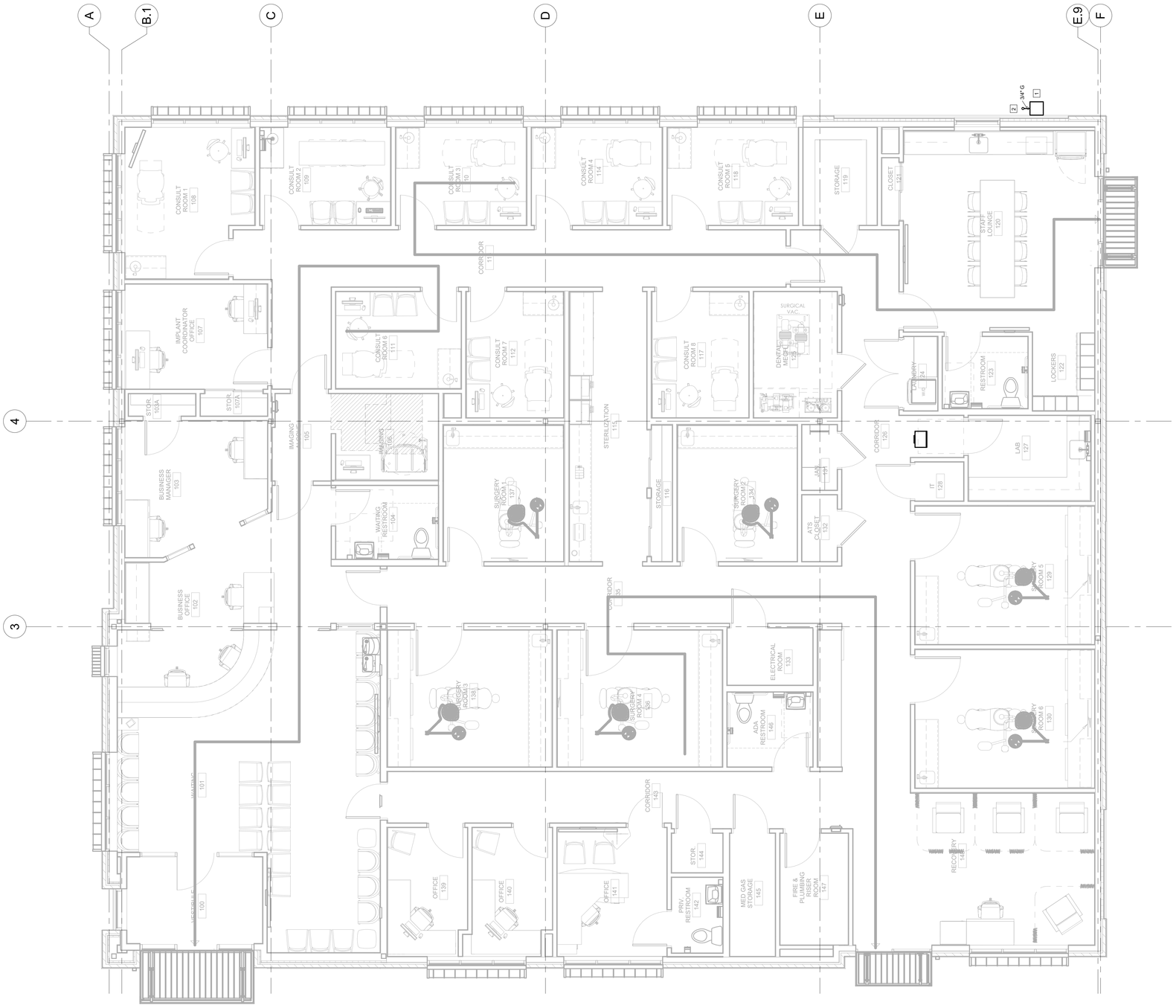
Date	03/28/25
Job No.	025-2117
Sheet	M3.01

0' 2'-0" 4'-0" 8'-0"
1/4" = 1'-0"

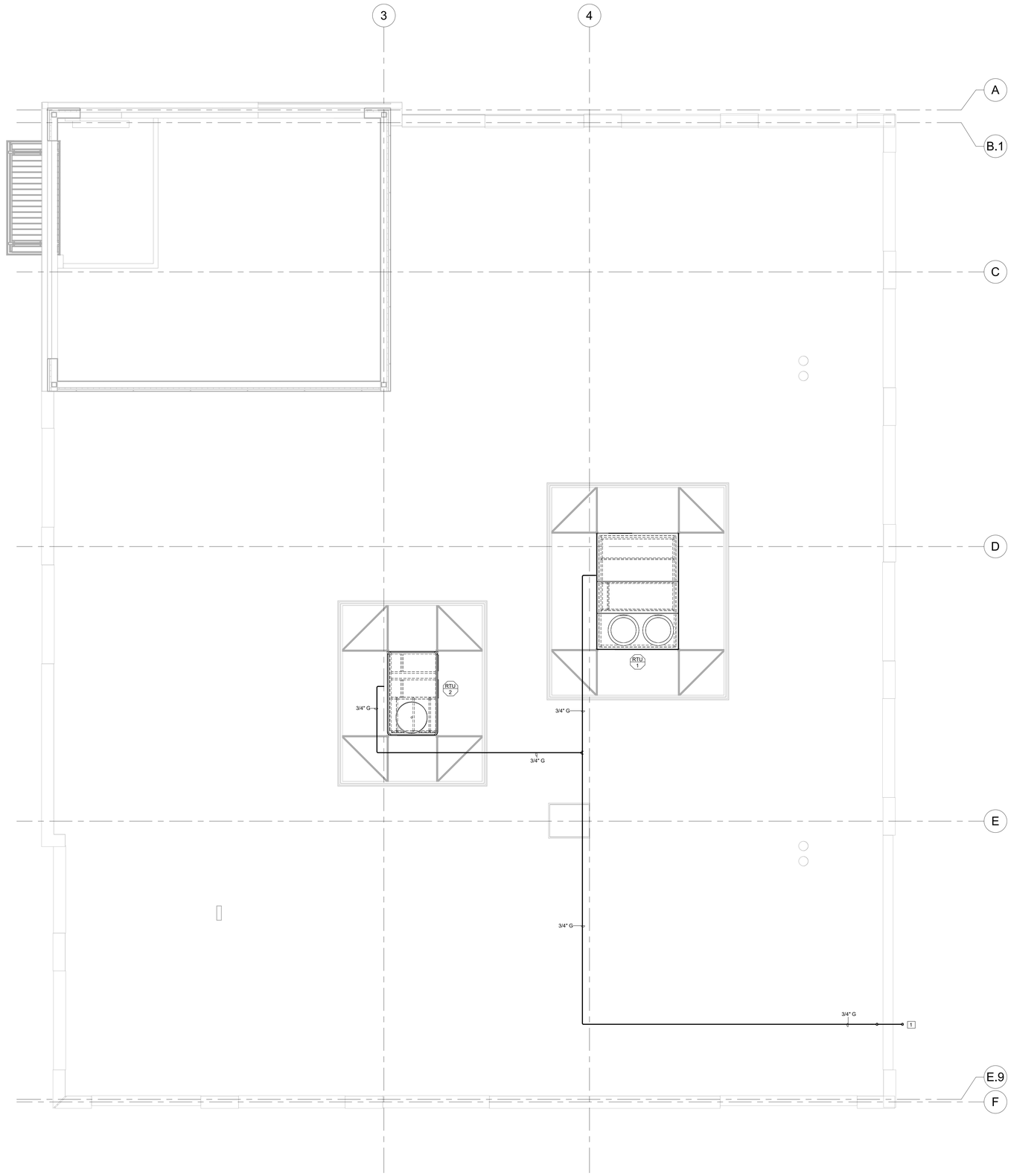
KEYED NOTES:

1 GAS METER AND 2 LB GAS SERVICE BY UTILITY COMPANY.

2 3/4"Ø UP EXTERIOR WALL TO ROOF.



1 MECHANICAL PIPING - FIRST FLOOR PLAN
M3.01 1/4" = 1'-0"



KEYED NOTES:

1 3/4"G DOWN EXTERIOR WALL TO GAS METER.

1 MECHANICAL PIPING - ROOF PLAN
M3.02 1/4" = 1'-0"

0' 2'-0" 4'-0" 8'-0"
1/4" =1'-0"

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STATE OF MISSOURI
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Wentzville Oral Surgery
Wentzville, Missouri

MECHANICAL PIPING - ROOF PLAN

Drawn By	Author
Proj. Engr.	Designer
Proj. Mgr.	Checker
Scale	1/4" = 1'-0"

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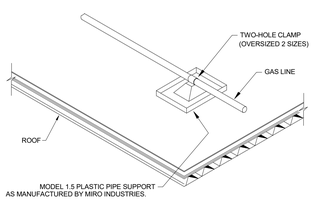
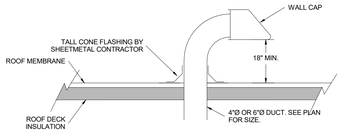
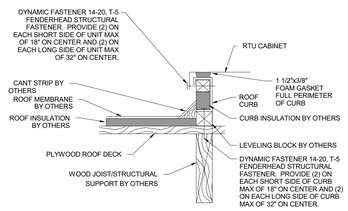
Date	03/28/25
Job No.	025-2117
Sheet	M3.02



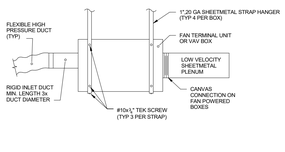
16 M4.01 GAS PIPE SUPPORT DETAIL
NO SCALE



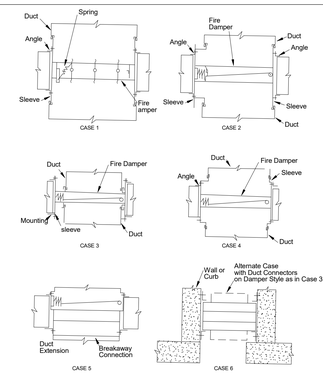
17 M4.01 EXHAUST FAN AND DRYER VENT THRU ROOF
NO SCALE



18 M4.01 RTU CURB SEISMIC DETAIL
NO SCALE



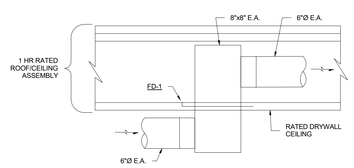
19 M4.01 VAV BOX SUPPORT DETAIL
NO SCALE



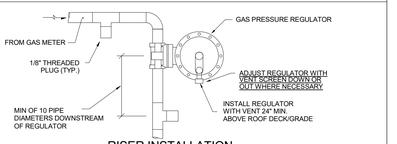
NOTE: In cases 4 and 5, retaining angle fasteners must not intefere with operation of damper blades

S Slip connectors are illustrated: see pages 8 and 9 for range of approved types of connections.

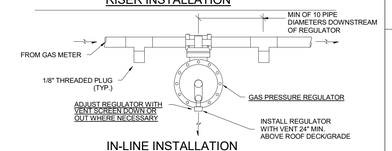
12 M4.01 HORIZONTAL FIRE DAMPER INSTALLATION
NO SCALE



13 M4.01 E.A. THRU RATED CEILING DETAIL
NO SCALE

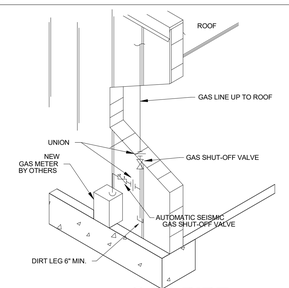


RISER INSTALLATION



IN-LINE INSTALLATION

14 M4.01 REGULATOR INSTALL. DETAIL
NO SCALE



15 M4.01 GAS PIPE CONNECTION AT METER
NO SCALE

Typical Installation Details
(A) Retaining Angles
Minimum 1 1/2"x 1 1/2" x 0.054 (16ga.)
Retaining Angles must tap structural opening
1" minimum and cover corners of openings

(B) Clearance 1/8" Per Linear Foot
Both Dimensions (See Note 1 below)

(C) Steel Sleeve. See Schedule 2

(D) Approved Fire Damper (curtain or blade type)

(E) Secure Retaining Angles To Sleeve Only. On 8" Centers With:
1. 1/2" long Welds. Or
2. 1/4" Bolts and Nuts. Or
3. No. 10 Steel Screws. Or
4. Minimum 3/16" Steel Rivets

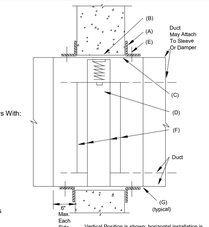
(F) Secure Damper To Sleeve On 8" Centers With:
1. 1/2" long Welds. Or
2. 1/4" Bolts and Nuts in Holes Provided. Or
3. No. 10 Steel Screws. Or
4. Minimum 3/16" Steel Rivets

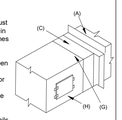
(G) Connect Duct To Sleeve As Shown On Figure 2 and as outlined by Schedule 2.

(H) Install access door or panel as shown in Figure

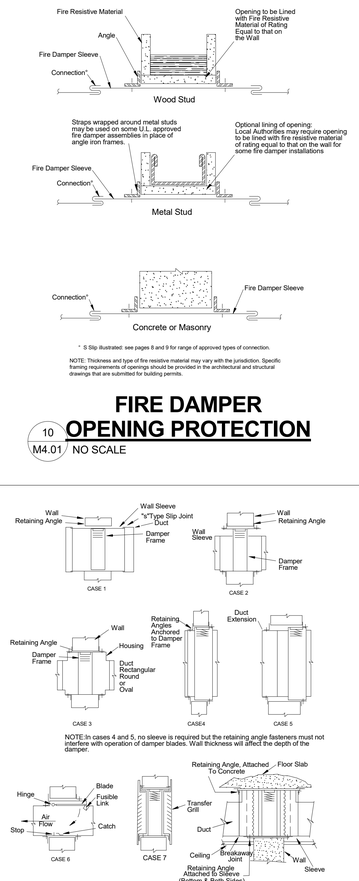
NOTES:
1. FIRE DAMPER SLEEVE CLEARANCE WITHIN WALL OPENING:
Clearance requirements for damper sleeves within a wall opening is based on 1/8" per foot of width (or height) unless otherwise stated in the listing of the assembly. The sleeve may rest on the bottom of the opening, and need not be centered. (Fractional dimensions shall be taken as the next largest whole foot.)
Example: a 30 inch x 24 inch fire damper sleeve is installed in a wall opening. The opening shall be 30-3/8 inches wide (1/8 inch x 3 feet) by 24-1/4 inches high (1/8 inch x 2 feet.)
The sleeve is retained in the wall opening by the use of steel retaining angles (A). These must over-lap the edge of the framing by a minimum of one (1) inch over and beyond all material in the opening. This means that the minimum width of the retaining angle would be 1-3/16 inches (good practice calls for an additional safety factor by making the angle in this case 1-1/2 inches wide.)
The dimensions required for the opening shall be those remaining after the opening has been framed and fire resistive materials materials provided where required (see Fire Damper Opening Protection Detail). The fire resistive materials shall be equal to the requirements for fire resistive materials used in the constructed wall so that a continuous rating exists at the wall penetration. The contractor erecting the wall is responsible for providing the fire resistive material and correct size openings to achieve the required clearance.

2. MANUFACTURERS' INSTALLATION DETAILS: The fire manufacturers" installation details and instructions as tested and approved by U.L. must be used in leu of the above details where applicable.





9 M4.01 BASIC FIRE DAMPER INSTALLATION DETAILS
NO SCALE



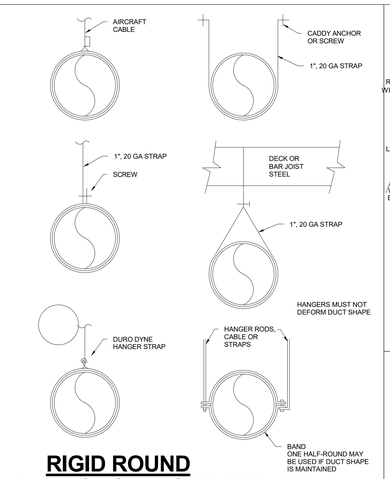
* S Slip illustrated: see pages 8 and 9 for range of approved types of connection.

NOTE: In cases 4 and 5, no sleeve is required but the retaining angle fasteners must not interfere with operation of damper blades. Wall thickness will affect the depth of the damper.

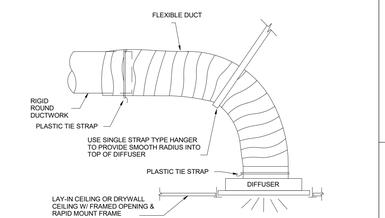
NOTE: Thickness and type of fire resistive material may vary with the jurisdiction. Specific framing requirements of openings should be provided in the architectural and structural drawings that are submitted for building permits.

10 M4.01 FIRE DAMPER OPENING PROTECTION
NO SCALE

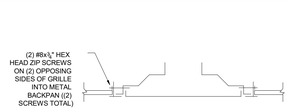
11 M4.01 VERTICAL FIRE DAMPER INSTALLATIONS
NO SCALE



6 M4.01 RIGID ROUND DUCT SUPPORT DETAIL
NO SCALE

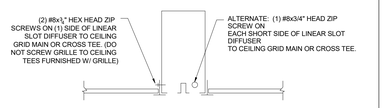


7 M4.01 TYPICAL LAY-IN DIFFUSER CONNECTION
NO SCALE

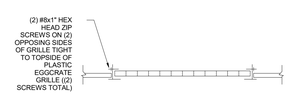


LAY-IN GRILLE≤ 20# W/ SHEETMETAL BACK OR PLENUM

LAY-IN GRILLE≤ 10# W/OUT SHEETMETAL BACK OR PLENUM

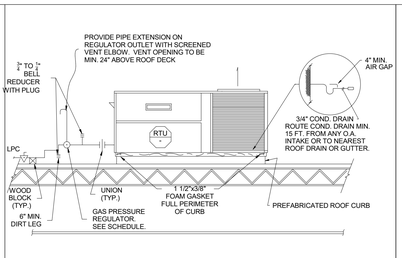


LAY-IN LINEAR SLOT DIFFUSER 20#

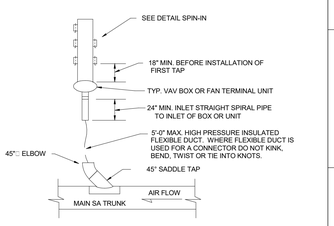


LAY-IN PLASTIC EGGCRATE RETURN GRILLE 5#

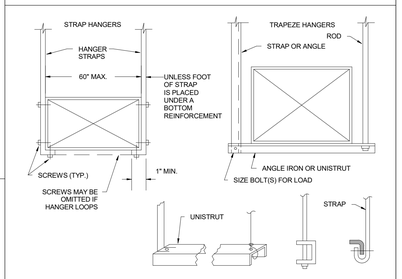
8 M4.01 TYPICAL LAY-IN AIR DEVICE INSTALLATION DETAIL
NO SCALE



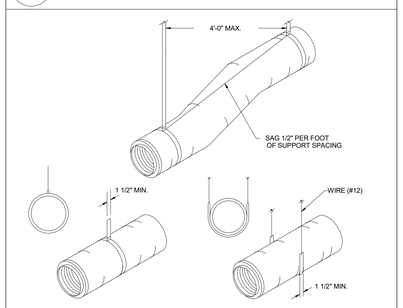
1 M4.01 ROOFTOP UNIT GAS FIRED 2# PRESSURE
NO SCALE



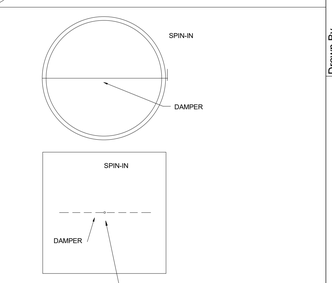
2 M4.01 FAN TERMINAL UNIT OR VAV BOX TYPICAL INSTALLATION
NO SCALE



3 M4.01 RECTANGULAR DUCT SUPPORT DETAIL
NO SCALE



4 M4.01 FLEXIBLE DUCT SUPPORT
NO SCALE



5 M4.01 SPIN IN W/ DAMPER
NO SCALE

Revisions

Number	Description	Date

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STATE OF MISSOURI
DEWAYNE JEFFERSON
NUMBER
2626?
REGISTERED
PROFESSIONAL ENGINEER

Wentzville Oral Surgery
Wentzville, Missouri
DETAILS

Drawn By	Author
Proj. Engr.	Designer
Proj. Mgr.	Checker
Scale	

JARRELL MECHANICAL CONTRACTORS
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1208 RIDER TRAIL NORTH
EARTH CITY, MISSOURI 63045

Date 03/28/25
Job No. 025-21117
Sheet M4.01

SEISMIC CODE BLOCK

OCCUPANCY CATEGORY (II)

SEISMIC DESIGN CATEGORY (C)

LISTING OF EQUIPMENT & SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC.		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
					ON CONST. DOCUMENTS	SUBSEQUENT SUBMITTAL		
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	PLAN SPECS PAGE(S)	SHOP DRAWINGS	SEPARATE PERMIT & PLANS	
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS								
ROOFTOP UNITS		X		X				EXEMPT PER ASCE 7-10, SECTION 13.1.4.5, Ip = 1, DESIGN CATEGORY C
VAV BOXES		X		X				EXEMPT PER ASCE 7-10, SECTION 13.1.4.5, Ip = 1, DESIGN CATEGORY C
AIR DEVICES		X		X				EXEMPT PER ASCE 7-10, SECTION 13.1.4.5, Ip = 1, DESIGN CATEGORY C
IN-LINE EXHAUST FAN		X		X				EXEMPT PER ASCE 7-10, SECTION 13.1.4.5, Ip = 1, DESIGN CATEGORY C
CEILING MOUNTED EXHAUST FAN		X		X				EXEMPT PER ASCE 7-10, SECTION 13.1.4.5, Ip = 1, DESIGN CATEGORY C
DUCTWORK		X		X				EXEMPT PER ASCE 7-10, SECTION 13.1.4.5, Ip = 1, DESIGN CATEGORY C
ELECTRIC DUCT HEATERS		X		X				EXEMPT PER ASCE 7-10, SECTION 13.1.4.5, Ip = 1, DESIGN CATEGORY C
NATURAL GAS PIPING		X		X				SEISMIC GAS VALVE PROVIDED. SEE DETAIL 15/M4.01

VAV ELECTRIC REHEAT BOX SCHEDULE

PLAN MARK	COOLING CFM	MIN COOLING CFM	HEATING CFM	MORNING WARM UP CFM	PD "W.G.	HAND	INLET SIZE	OUTLET SIZE	KW / STAGES	FLA	VOLTAGE	EQUAL TO TRANE MODEL	UCM #
VAV-1	1150	165	510	1035	0.35"	LH	10"Ø	14"x12"	7.0 2	19.4	208/3/60	VCEF 10	
VAV-2	280	60	140	245	0.35"	RH	6"Ø	11"x10"	1.5 1	4.2	208/3/60	VCEF 06	
VAV-3	390	105	180	335	0.35"	LH	6"Ø	11"x10"	2.0 1	5.6	208/3/60	VCEF 06	
VAV-4	945	165	600	1040	0.35"	LH	10"Ø	14"x12"	8.0 2	22.2	208/3/60	VCEF 10	
VAV-5	1155	240	600	1355	0.35"	LH	10"Ø	14"x12"	8.0 2	22.2	208/3/60	VCEF 10	
VAV-6	510	105	360	470	0.35"	LH	8"Ø	11"x10"	5.0 1	13.9	208/3/60	VCEF 08	
VAV-7A	1200	240	800	1310	0.35"	LH	10"Ø	14"x12"	11.0 2	30.5	208/3/60	VCEF 10	
VAV-7B	1160	240	580	1025	0.35"	LH	10"Ø	14"x12"	8.0 2	22.2	208/3/60	VCEF 10	
VAV-8	1290	240	515	1250	0.35"	LH	10"Ø	14"x12"	7.0 2	19.4	208/3/60	VCEF 10	

FURNISH VAV BOXES COMPLETE WITH 1/2" MATTE FACED INSULATION, SLIP & DRIVE DUCT CONNECTIONS, DDC CONTROL, DISCONNECT SWITCH, AIR FLOW SENSOR, AND REMOTE SENSOR

ELECTRIC WALL HEATER

TYPE OF EQUIPMENT	ELECTRIC WALL HEATER
PLAN REFERENCE	EWH-1
QUANTITY	1
WATTAGE	4,000
F.L.A.	19.2
VOLTAGE	208/1/60
EQUAL TO MAKE	QMARK
MODEL	AWH440BF
ACCESSORIES	1,2,3.

ACCESSORIES:
1. - BUILT-IN DISCONNECT SWITCH
2. - BUILT-IN THERMOSTAT
3. - RECESSED MOUNTING

FIRE DAMPER SCHEDULE

PLAN MARK	DUCT SIZE	WALL/ FLOOR THICKNESS	ORIENTATION (VERT. OR HORIZ.)	RATING (HRS)	ACCESS DOOR (Y/N)	VELOCITY (FT/MIN)	STYLE	LOCATION
FD-1	6"ø	4"	VERT.	1-1/2	Y	204	A	MED GAS STOR 145
FD-2	12"x12"	4"	VERT.	1-1/2	N	40	A	MED GAS STOR 145

DUCT CONNECTION:
TDF - TDF CONNECTION SHIPPED LOOSE ON NON-ACCESS DOOR END
S&D - SLIP & DRIVE CONNECTION SHIPPED LOOSE ON NON-ACCESS DOOR END
NONE - NO CONNECTIONS PROVIDED
N/A - NOT APPLICABLE

STYLE:
A - BLADES IN AIRSTREAM
B - BLADES OUT OF AIRSTREAM
CR - ROUND WITH BLADES OUT OF AIRSTREAM
CO - OVAL WITH BLADES OUT OF AIRSTREAM
OW - OUT OF FLOOR/WALL (TYPE A)
TR - TRUE ROUND (24"ø MAX.)
TL - THIN LINE
GA1 - GRILLE ACCESS 1 SIDE
GA2 - GRILLE ACCESS 2 SIDES

GENERAL:
1. PROVIDE ONE-SIDED ANGLES ON ALL FIRE DAMPERS
2. EXTEND SLEEVE 4" BEYOND WALL/FLOOR ON SIDE WITHOUT ACCESS DOOR
3. B, CR & CO STYLE DAMPERS HAVE WALL/FLOOR OPENINGS LARGER THAN DUCT SIZE
4. FIELD VERIFY FIRE DAMPER BEFORE ORDERING

CEILING RADIATION DAMPERS

PLAN MARK	SIZE	UL ASSY	FUSIBLE LINK TEMPERATURE (°F)	RATING (HOURS)	EQUAL TO RUSKIN MODEL
CRD-1	8"x8"	P545	165	1	CFD7T

SHOP FABRICATED/FIELD INSTALLED SLEEVE FOR CEILING RADIATION DAMPER. FIELD VERIFY DIMENSIONS BEFORE ORDERING.

AIR DEVICE SCHEDULE

PLAN MARK	MAKE/MODEL	ACCES.	MATL.	FINISH	NOTES
S1	TITUS/#TMS	-	ST	BWE	24"x24" LAY-IN, NECK SIZE ON DWG
S2	TITUS/#300RS	-	ST	BWE	SURFACE MOUNT, NECK SIZE ON DWG
S3	TITUS/#PAS	-	ST	BWE	24"x12" LAY-IN, NECK SIZE ON DWG
R1	TITUS/#PAR	-	ST	BWE	24"x12" LAY-IN, 22"x12" NECK
R2	TITUS/#PAR	-	ST	BWE	24"x24" LAY-IN, 22"x22" NECK
E1	TITUS/#PAR	-	ST	BWE	24"x12" LAY-IN, NECK SIZE ON DWG

MATERIAL:
ST -STEEL
AL -ALUMINUM
PL -PLASTIC
STD-STANDARD

ACCESSORIES:
VD -VOLUME DAMPER
APC-AIR PATTERN CONTROLLER
I - INSULATED PLENUM
SB - SECTORIZING BAFFLE
RMF - RAPID MOUNT DRYWALL FRAME
TB - INLET SIDE T-BAR
IB - INSULATED BLANKET

FINISH:
BWE-BAKED WHITE ENAMEL
CA -CLEAR ANODIZED
PC -PRIME COAT FOR FIELD PAINTING BY THE GENERAL CONTRACTOR
BLK - BLACK
GALV - GALVANIZED

ROOFTOP UNITS

TYPE OF EQUIPMENT	ROOFTOP UNIT ELEC. COOL/GAS HEAT	ROOFTOP UNIT ELEC. COOL/GAS HEAT
PLAN REFERENCE	RTU-1	RTU-2
QUANTITY	1	1
NOMINAL TONNAGE	17.5	8.5
DESIGN AMBIENT (°F)	95	95
TOTAL COOLING CAP. (MBH)	199.27	101.58
SENS. COOLING CAP. (MBH)	162.2	77.83
HTG. CAP. MBH IN/OUT	320.0/259.20	150.0/121.5
E.A.T. DB/WB	76.3/62.8	77.8/63.8
L.A.T. DB/WB	52.8/51.9	51.0/50.5
CFM (MIN/MAX)	6485/1350	2725/
E.S.P.	1.7"	0.75"
OUTSIDE AIR CFM	705	560
BHP/RPM/HP	3.897/1584/6.0 (2 x 3.0)	1.185/1202/3.0
M.C.A./M.O.C.P.	95.0/125	53.0/70
VOLTAGE	208/3/60	208/3/60
OPERATING WEIGHT LBS.	2750#	1300#
EQUAL TO MAKE	TRANE	TRANE
MODEL	YSK210	YSK102
ACCESSORIES	1 - 8	1, 3 - 7, 8

ACCESSORIES:
1. - PREFABRICATED ROOF CURB
2. - MULTI ZONE VAV
3. - ECONOMIZER DRY BULB 0-100% W BAROMETRIC RELIEF
4. - THROUGH THE BASE ELECTRICAL W/ NON-FUSED DISCONNECT AND POWERED GFCI
5. - 2ND - 5TH YEAR COMPRESSOR (PARTS ONLY) WARRANTY
6. - 1 YEAR WHOLE UNIT (PARTS ONLY) WARRANTY
7. - SINGLE ZONE CONSTANT VOLUME
8. - MODULATING HOT GAS REHEAT

GAS PRESSURE REGULATORS

EQUIPMENT SERVING	CAPACITY (CFH)	INLET PRESSURE MIN.	INLET PRESSURE MAX.	OUTLET PRESSURE MIN.	OUTLET PRESSURE MAX.	SIZE FINISH	EQUAL TO MAKE/MODEL
RTU-1	320	1#	2#	4" WC	14" WC	3/4"	ITRON #B42R
RTU-2	150	1#	2#	4" WC	14" WC	3/4"	ITRON #B42R

EXHAUST FANS

TYPE OF EQUIPMENT	EXHAUST FAN	EXHAUST FAN	EXHAUST FAN
PLAN REFERENCE	EF-1 THRU 4, EF-6	EF-5	EF-7
QUANTITY	5	1	1
SERVES	BATHROOMS, J.C.	MED GAS STOR	IT CLOSET
CFM	80	50	200
SP	0.25"	0.5"	0.25"
WATTS	11.8	27	68
FAN RPM	-	-	1153
HP	-	-	-
VOLTAGE	120/1/60	120/1/60	120/1/60
OPERATING WEIGHT LBS.	10#	15#	29#
EQUAL TO MAKE	DELTA BREEZ	COOK	COOK
MODEL	SIG80-110	QN-128	QN-422
ACCESSORIES	1,2,3	2 - 5	2,4,5

ACCESSORIES:
1. - 6" TO 4" REDUCER
2. - BUILT-IN BACKDRAFT DAMPER
3. - 4"ø WALL CAP
4. - PRE-WIRED FAN SPEED CONTROLLER
5. - NEMA 1 DISCONNECT

ELECTRIC DUCT HEATER

TYPE OF EQUIPMENT	ELECTRIC DUCT HEATER	ELECTRIC DUCT HEATER	ELECTRIC DUCT HEATER	ELECTRIC DUCT HEATER
PLAN REFERENCE	EDH-1	EDH-2	EDH-3,4	EDH-5,6
QUANTITY	1	1	1	2
CFM/E.A.T	215	130	175	530
KW	2.0	2.0	2.0	5
F.L.A.	5.6	5.6	5.6	13.9
VOLTAGE	208/3/60	208/3/60	208/3/60	208/3/60
STAGES OF HEAT	SCR	SCR	SCR	SCR
DUCT SIZE	10"x10"	10"x10"	10"x10"	10"x10"
EQUAL TO MAKE	NEPTRONIC	NEPTRONIC	NEPTRONIC	NEPTRONIC
ACCESSORIES				

TYPE OF EQUIPMENT	ELECTRIC DUCT HEATER
PLAN REFERENCE	EDH-7
QUANTITY	1
CFM/E.A.T	970
KW	10.0
F.L.A.	27.8
VOLTAGE	208/3/60
STAGES OF HEAT	SCR
DUCT SIZE	16"x10"
EQUAL TO MAKE	NEPTRONC
ACCESSORIES	

FURNISH ELECTRIC DUCT HEATERS COMPLETE WITH MAGNETIC CONTACTORS, 24 VOLT COIL, AIR FLOW SWITCH, NON-FUSED NON-INTERLOCKING DISCONNECT SWITCH AND FUSING PER N.E.C. REQUIREMENTS.

PIPING SPECIFICATION

Condensate Drain Piping

Condensate drain piping shall be SCHEDULE 40 PVC. Fittings shall be SCHEDULE 40 PVC. Joints shall be cleaned and glued together. Condensate drain piping in air plenums shall be TYPE "M" copper pipe with wrought copper fittings and joints made with a good grade of 50/50 solder and flux. Provide drain trap with minimum 2" air gap on all draw-through equipment. Add 4" tall vent after trap.

Condensate drain piping from rooftop equipment shall be routed a minimum of 15 ft away from the outside air intake of any rooftop equipment, operable windows or any other outside air intake to the building. Condensate shall be piped to a section of the roof that slopes to the roof drain, gutter or scupper and does not pool. At no time shall the open condensate drainage across the roof come with in 15 ft of any outside air intake to the building.

Gas Piping

Gas piping pipe size 2" and down to be Schedule 40 black "A-53B" T&C pipe.

Fittings for pipe sizes 2" and down shall be standard 150# black malleable iron threaded fittings.

As an option, gas piping size through 4" may be joined with mechanical pressfit fittings. Cold press mechanical joint fittings shall conform to ASTM A420 or ASME B16.3. Sealing elements for press fittings shall be HBNR. Sealing elements shall be factory installed or as an alternative supplied by the fitting manufacturer. Fittings shall be approved for use with natural gas and comply with ASTM F3226.

Gas line shall come above grade before entering building.

Unions shall be installed at all gas equipment connections. Unions shall be all iron class 150.

Dirt legs shall be installed at all gas equipment connections. Dirt legs shall be a minimum of six inches.

A lubricated gas cock shall be installed at all gas equipment connections up stream of gas regulator in the two pound gas line.

A gas regulator shall be installed at all gas equipment connections. Gas regulator shall be either an "ITRON" or "MAXITROL" non-venting regulator or approved equal.

All gas piping exposed to the weather shall be painted with "Rustoleum" paint by the general contractor per Section 2.6.6 of the 1996 Edition of N.F.P.A. 54.

All gas piping to be installed in accordance with N.F.P.A. 54 latest edition.

Refrigerant Piping - Split Systems

Refrigerant suction and liquid piping (RS, RL) shall be ASTM B88, Type "L" ACR hard drawn seamless copper (dehydrated-nitrogen) pipe with wrought copper fittings. Joints shall be made with a good grade of 6% sil-fos brazing alloy.

All refrigerant piping shall be installed in accordance with good installation procedures; i.e. (dry-nitrogen shall be introduced into piping as the brazing process is being done).

Pitch refrigerant piping in direction of refrigerant flow. A minimum of pitch in the horizontal to be 1" *(inch)* every 20' (feet).

Utilize long radius wrought copper fittings and wrought copper fittings to match building conditions to minimize refrigeration piping pressure losses.

After installation of the refrigerant piping the mechanical contractor shall pressurize the system to 250 pounds with dry-nitrogen and check for leaks then fix and repair as necessary.

The mechanical contractor will then evacuate system to a minimum of 500 microns and hold fora minimum of 8 hours. Then charge system with refrigerant as specified by the unit manufacturer.

The mechanical contractor is then to start-up equipment and provide a one year labor and material warranty on the equipment and piping system.

Preinsulated linesets may be used at the contractor's option.

Hanger and Supports

a. Pipe shall be supported by split ring adjustable type or other approved hangers, or roof supports.
b. Brackets or clamps may be used where pipe runs along walls, columns or ceilings, but must allow for expansion and contraction.
c. Radial supports shall be rigid type. If wall brackets or longitudinal supports are used on straight lengths over 20 feet long, they shall be of the flexible type to provide for thermal expansion and contraction.
d. Hangers shall be properly isolated to prevent noise transmission (with a then layer of resilient material between the pipe and support).
e. Hangers and supports shall be placed within 2 feet from each change in direction.
f. Maximum hanger spacing and minimum hanger rod sizes:

Nom. Pipe Size (Inch)	Max Span (Feet)	Min. Rod Diam. (Inch)
Up to 1"	7'	3/8"
1 1/4" & 1 1/2"	9'	3/8"
2"	10'	3/8"
2 1/2"	10'	1/2"
3"	12'	1/2"
4"	14'	5/8"
5"	16'	5/8"
6"	17'	3/4"
8" through 12"	19'	7/8"

g. When pipes are to be insulated, the size and position of hanger shall bear on the outside of the insulation.
h. All hangers supporting copper pipe shall be copper plated.

Roof, Floor, and Wall Penetrations

The contractor shall be responsible for the sealing of all roof, wall and floor penetrations required by the contractor in the performance of this work. This shall include all insulated and uninsulated piping installed by the contractor. For the uninsulated piping the contractor shall apply a minimum of three linear feet of 2" thick piping covering to the piping on each side of a wall, roof or floor.

Connection of Dissimilar Metals

Provide dielectric unions or Mahoney kits at the connection of dissimilar metals.

SHEETMETAL SPECIFICATION

1. All sheetmetal ductwork shall be furnished and installed in accordance with the latest edition of SMACNA, ASHRAE and the International Mechanical Code.

1A. Duct Static Pressure Classification: Except where otherwise indicated, construct duct systems to the following pressure classifications:

System	S.A. Ductwork Downstream of Unit	S.A. Ductwork Downstream of FTU/AV Boxes	R.A. Ductwork	E.A. Ductwork
RTU-1	2" W.C.	1" W.C.	1" W.C.	--
RTU-2	2" W.C.	--	1" W.C.	--
EXAUST FANS	--	--	--	1" W.C.

1B. Rectangular Duct Construction Requirements

a. 1" W.C. Static Pressure:

Duct Dimension	Gage	Transverse Connector Spacing (feet)	Transverse Connector Width Type	Transverse Connector Width Reinf.	Transverse Connector Tie Rods	Transverse Connector Depth Type	Transverse Connector Depth Reinf.	Intermediate Duct Reinforcement Spacing (feet)	Intermediate Duct Reinforcement Width Type	Intermediate Duct Reinforcement Tie Rods	Intermediate Duct Reinforcement Depth Type
0"-20"	26	5'-0"	SS	--	--	D	--	0'-0"	--	--	--
21"-28"	26	5'-0"	STS c	--	--	SDS c	--	0'-0"	--	--	--
29"-30"	26	5'-0"	STS d	--	--	SDS d	--	0'-0"	--	--	--
31"-42"	24	5'-0"	TDF	--	--	TDF	--	0'-0"	--	--	--
43"-54"	22	5'-0"	TDF	--	--	TDF	--	0'-0"	--	--	--
55"-60"	22	5'-0"	TDF	--	M	TDF	--	2'-6"	--	M	--
61"-72"	22	5'-0"	TDF	--	M	TDF	--	2'-6"	--	M	--
73"-84"	22	5'-0"	TDF	--	M	TDF	--	2'-6"	--	(2) M	--
85"-96"	22	5'-0"	TDF	--	M	TDF	--	2'-6"	--	(2) M	--
97"-120"	18	5'-0"	TDF	--	(2) M	TDF	--	2'-6"	I	--	I

b. 2" W.C. Static Pressure:

Duct Dimension	Gage	Transverse Connector Spacing (feet)	Transverse Connector Width Type	Transverse Connector Width Reinf.	Transverse Connector Tie Rods	Transverse Connector Depth Type	Transverse Connector Depth Reinf.	Intermediate Duct Reinforcement Spacing (feet)	Intermediate Duct Reinforcement Width Type	Intermediate Duct Reinforcement Tie Rods	Intermediate Duct Reinforcement Depth Type
0"-18"	26	5'-0"	SS	--	--	D	--	0'-0"	--	--	--
19"-20"	26	5'-0"	STS c	--	--	SDS c	--	0'-0"	--	--	--
21"-26"	26	5'-0"	STS d	--	--	SDS d	--	0'-0"	--	--	--
27"-30"	24	5'-0"	TDF	--	--	TDF	--	0'-0"	--	--	--
31"-42"	24	5'-0"	TDF	--	--	TDF	--	0'-0"	--	--	--
43"-54"	22	5'-0"	TDF	--	--	TDF	--	0'-0"	--	--	--
55"-60"	22	5'-0"	TDF	--	M	TDF	--	2'-6"	--	M	--
61"-84"	22	5'-0"	TDF	--	M	TDF	--	2'-6"	--	(2) M	--
85"-96"	20	5'-0"	TDF	--	M	TDF	--	2'-6"	--	(2) M	--
97"-108"	18	5'-0"	TDF	--	(2) M	TDF	--	2'-6"	J	--	J
109"-120"	18	5'-0"	TDF	--	(2) M	TDF	--	2'-6"	K	--	K

c. Legend:

Transverse Connector			HxT	Intermediate Duct Reinforcement	
T-1	D	Drive Slip	Minimum 24 ga	A	1/8" Bar
T-2 b	SDS b	Standing Drive	1-1/8"X26 ga	B	3/16" Bar
T-2 c	SDS c	Standing Drive	1-1/8"X22 ga	C	C-1"X16 ga or C-3/4"X1/8" 'L'
T-2 d	SDS d	Standing Drive	1-1/8"X18 ga	D	C-1"x1/8" or H-3/4"x1/8" 'L'
T-5	SS	"S" Slip	Minimum 24 ga	E	C-1/4"x12 ga or C-1"x1/8" 'L'
T-10 b	STS b	Standing "S" Slip	1"x26 ga	F	H-1-1/4"x1/8" 'L'
T-10 c	STS c	Standing "S" Slip	1"x22 ga	G	1-1/2"x1/8" 'L'
T-10 d	STS d	Standing "S" Slip	1-1/8"x22 ga	H	1-1/2"x3/16" or 2"x1/8" 'L'
T-10 e	STS e	Standing "S" Slip	1-1/8"x18 ga	I	C-2"x3/16" or 2-1/2"x1/8" 'L'
T-10 f	STS f	Standing "S" Slip	1-5/8"x22 ga x (A)1/8" Bar	J	C-2"x1/4" or 2-1/2"x1/8" 'L'
T-10 g	STS g	Standing "S" Slip	1-5/8"x20 ga x (A)1/8" Bar	K	2-1/2"x3/16" 'L'
T-10 h	STS h	Standing "S" Slip	1-5/8"x18 ga x (A)1/8" Bar	L	2-1/2"x1/4" 'L'
T-10 I	STS I	Standing "S" Slip	2-1/8"x20 ga x (A)1/8" Bar	M	1/2" RC Conduit (900#)
T-10 j	STS j	Standing "S" Slip	2-1/8"x20 ga x (A)3/16" Bar	N	3/4" RC Conduit (1340#)
T-24	TDF	Transverse Duct Former (Gasket w/8" Clips on 15" Centers)	--	O	1" RC Conduit (1980#)
T-24	MFTD	Manufactured (Ductmate or Ward Connectors)	--	--	No Reinforcement C = Cold Formed H = Hot Rolled

1C . Round Spiral Seam Duct Construction Requirements:

a. All Pressure Classes:

Duct Diameter	Gage
0"-14"	26
15"-26"	24
27"-36"	22
37"-50"	20
51"-84"	18

b. All fittings to be double-lipped u-shaped gasket fittings.

1D. Seam and Joint Sealing - Seal duct seams and joints as follows:

a. Pressure Classification 4" W.G. and greater: All transverse joints, longitudinal seams, and duct wall penetrations: Seal Class A.

b. Pressure Classification 3" W.G.: All transverse joints and longitudinal seams: Seal Class B.

c. Pressure Classification less than 2" W.G.: Transverse joints only: Seal Class C.

d. Seal externally insulated ducts prior to insulation installation.

2. Sheetmetal ductwork dimensions are outside diameter.

3. - Indicates 1" thick rotary duct lining insulation.

4. All high pressure supply air flexible duct shall be THERMAFLEX "S-LP-10" flexible ductwork or equal.

5. Upon fabrication, all ductwork openings shall be covered with plastic.

6. All low pressure supply air flexible duct shall be THERMAFLEX "KP" low pressure insulated flexible ductwork with fiberglass insulation and vapor barrier or equal. Ductwork covering shall conform to the requirements of 2021 International Mechanical Code Section 604.

7. Exhaust air flexible ductwork shall be THERMAFLEX "S-LD" non-insulated flexible ductwork or equal.

8. Maximum length of flexible ductwork shall not exceed Code allowance.

9. All hard round low velocity supply air ductwork to diffusers to be rigid round galvanized ductwork minimum 26 gauge.

10. All round joints shall be pan-dult strapped and duct-taped together with fire rated duct tape.

11. All medium velocity medium pressure supply air ductwork and all exhaust air ductwork joints and longitudinal seams shall be sealed air tight with AIRSEAL 22 water based duct sealant, or equal.

12. Fire dampers shall be installed per "SMACNA" 1Sd fire damper guide or approved "U.L." installation instructions and the 2021 International Mechanical Code Section 607. Fire dampers shall comply with the requirements UL555 and shall be labeled for installation in dynamic systems as required in accordance with UL555.

13. All manual volume dampers shall be equal to RUSKIN "MD25" with locking quadrants.

14. After installation of pipe or duct through floors and fire rated walls, fill space around pipes or duct with chase foam sealant as manufactured by Chase Foam Technology Corporation or equal. Assembly shall be installed in accordance with manufacturers written instructions and in accordance with U.L. Listing. Rating of fire stopping shall meet or exceed the rating of the floors and fire walls in which it is used.

15. All ductwork shall be supported from bottom chord of structural steel and/or sides of pan deck flutes per detail. No hanging will be allowed from bottom of deck.

16. Provide flexible canvas connections at all supply air, return air, fresh air and exhaust air duct connections at all vibrating equipment i.e. RTU, EF, TEF, VF, and FTU etc.

ABBREVIATIONS

PIPING

CWS - CHILLED WATER SUPPLY
CWR - CHILLED WATER RETURN
CHWS - CHILLED HOT WATER SUPPLY
CHWR - CHILLED HOT WATER RETURN
CDWS - CONDENSER WATER SUPPLY
CDWR - CONDENSER WATER RETURN
HWS - HEATING HOT WATER SUPPLY
HWR - HEATING HOT WATER RETURN
HPWS - HEAT PUMP WATER SUPPLY
HPWR - HEAT PUMP WATER RETURN
RS - REFRIGERANT SUCTION
RL - REFRIGERANT LIQUID
RHG - HOT GAS
D - CONDENSATE DRAIN
G - NATURAL GAS
CW - COLD WATER MAKE-UP
CA - COMPRESSED AIR
HPS - HIGH PRESSURE STEAM
MPS - MEDIUM PRESSURE STEAM
MPCR - MEDIUM PRESSURE CONDENSATE RETURN
LPS - LOW PRESSURE STEAM
LPCR - LOW PRESSURE CONDENSATE RETURN
V - MEDICAL VACUUM
O - MEDICAL OXYGEN
N O - MEDICAL NITROUS OXIDE
A - MEDICAL AIR
N - NITROGEN

SHEETMETAL

S.A. - SUPPLY AIR
R.A. - RETURN AIR
O.A. - OUTSIDE AIR
E.A. - EXHAUST AIR
T.E. - TOILET EXHAUST
K.E. - KITCHEN EXHAUST
D.E. - DRYER EXHAUST
T.A. - TRANSFER AIR
M.V.D. - MANUAL VOLUME DAMPER
W.M.S. - WIRE MESH SCREEN
B.O.D. - BOTTOM OF DUCT
A.F.F. - ABOVE FINISH FLOOR
N.T.S. - NOT TO SCALE
N.I.C. - NOT IN CONTRACT
G.C. - GENERAL CONTRACTOR
E.C. - ELECTRICAL CONTRACTOR
P.C. - PLUMBING CONTRACTOR
M.C. - MECHANICAL CONTRACTOR
L.D. - LOUVERED DOOR

SYMBOLS

- BALL VALVE
- GATE VALVE
- BUTTERFLY VALVE
- CIRCUIT SETTER
- CHECK VALVE
- GLOBE VALVE
- TRIPLE DUTY VALVE
- GAS COCK
- LUBRICATED GAS COCK
- UNION
- F & T TRAP
- BUCKET TRAP
- PRESSURE/TEMPERATURE TEST PLUG
- CONTROL VALVE
- THREE-WAY CONTROL VALVE
- PRESSURE GAUGE
- THERMOMETER
- MANUAL AIR VENT
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- EQUIPMENT TAG (SEE SCHEDULE)
- AIR DEVICE TAG (SEE SCHEDULE)
- SECTION DETAIL
- FIRE DAMPER (FD)
- FIRE/SMOKE DAMPER COMBINATION (F/SD)
- THERMOSTAT
- TEMPERATURE SENSOR
- STATIC PRESSURE SENSOR
- HUMIDISTAT/HUMIDITY SENSOR
- CARBON DIOXIDE SENSOR
- CARBON MONOXIDE SENSOR

GENERAL MECHANICAL NOTES

1 . - * - INDICATES UNDERCUT DOORS BY THE GENERAL CONTRACTOR; (MIN. 1").

2 . - ALL LINTELS, FRAMING, FURRING, PATCHING & PAINTING REQUIRED SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.

3 . - THE GENERAL CONTRACTOR SHALL PROVIDE A UNIFORM LEVEL SUPPORT INCLUDING FRAMING FOR ALL ROOF MOUNTED EQUIPMENT.

4 . - ALL POWER, INTERLOCK WIRING, DISCONNECT SWITCHES, CONVENIENCE OUTLETS, FUSES AND MOTOR STARTERS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL AUXILIARY ELECTRIC HEATING EQUIPMENT I.E. (ELEC. WALL HEATERS, ELEC. BASEBOARD ETC.) SHALL BE FURNISHED BY THE MECHANICAL HVAC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL EQUIPMENT IS TO HAVE SINGLE POINT POWER WIRING CONNECTIONS UNLESS NOTED OTHERWISE.

5 . - ALL AIR DISTRIBUTION SYSTEMS AND EQUIPMENT UTILIZING RETURN AIR AND HANDLING A DESIGN CAPACITY GREATER THAN 2000 CUBIC FEET PER MINUTE OF AIR AND ALL MULTIPLE AIR-HANDLING SYSTEMS WHICH SHARE COMMON SUPPLY OR RETURN AIR DUCTS OR PLENUMS HAVING A COMBINED DESIGN CAPACITY GREATER THAN 2,000 CUBIC FEET PER MINUTE, WILL HAVE A SMOKE DETECTOR WIRED TO SHUT-DOWN THAT PIECE OF EQUIPMENT IN CASE OF FIRE. THE SMOKE DETECTOR WILL BE LOCATED IN THE RETURN AIR DUCTWORK OR PLENUM UPSTREAM OF ANY FILTERS, EXHAUST AIR CONNECTIONS, OUTDOOR AIR CONNECTIONS, OR DECONTAMINATION EQUIPMENT IN ACCORDANCE WITH SECTION 606 OF THE 2021 INTERNATIONAL MECHANICAL CODE.

6 . - THE ACTUATION OF A SMOKE DETECTOR SHALL ACTIVATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION IN ACCORDANCE WITH THE 2021 INTERNATIONAL MECHANICAL CODE, SECTION 606.4. ALARMS, SIGNALING AND WIRING TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

7 . - ALL PIPING, DUCTWORK AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE 2021 INTERNATIONAL BUILDING CODE SECTION 1613 WITH REGARDS TO SEISMIC RESTRAINTS.

8 . - ALL THERMOSTAT LOCATIONS TO BE 4'-0" TO CENTER A.F.F.

9 . - ALL AIR ACCESSORIES MUST BE MADE IN THE UNITED STATES. YELLOW LABEL IS ACCEPTABLE FOR COMMERCIAL BUILDINGS AND BLUE LABEL FOR RESIDENTIAL BUILDINGS

MEDICAL GAS PIPING SPECIFICATION

Medical Vacuum Piping (Below Floor Slab)

Medical vacuum piping below the floor slab shall be SCHEDULE 40 PVC. Fittings shall be SCHEDULE 40 PVC. Joints shall be cleaned and glued together. Vacuum lines shall be sloped 1/4" for every 10' of horizontal run back towards the vacuum pump(s). Horizontal piping shall include no sags or low points that will permit fluids or debris to accumulate. 45 degree fittings shall be used for turns. 90 degree elbows SHALL NOT be used.

Medical Vacuum Piping (In Ceiling Plenums)

Medical vacuum piping in ceiling plenums shall be Type "L" ASTM B88 copper pipe. Fittings shall be wrought copper. Joints will be made with a good grade of 6% sil-fos brazing alloy. Vacuum lines shall be sloped 1/4" for every 10' of horizontal run back towards the vacuum pump(s). Horizontal piping shall include no sags or low points that will permit fluids or debris to accumulate. 45 degree fittings shall be used for turns. 90 degree elbows SHALL NOT be used.

Medical Air, Oxygen and Nitrous Oxide (In Ceiling Plenums)

Medical gas piping installed in ceiling plenums shall be Type "L", ASTM B88 copper pipe. Fittings shall be wrought copper. Joints shall be made with a good grade of 15% silver solder or similar high melting point brazing metal of at least 1000 degree Fahrenheit. Run outs from horizontal piping shall be taken off above the centerline of the main or branch pipe and riser vertically at an angle of not more than 45 degree from vertical.

Medical gas and Vacuum Piping Hangers and Supports

a. Piping shall be

ELECTRICAL SPECIFICATIONS

SCOPE OF WORK

A. APPLICABLE REQUIREMENTS OF BIDDING INSTRUCTIONS AND INFORMATION AND OTHER PROVISIONS OF THE GENERAL CONTRACT WORK SPECIFICATIONS SHALL APPLY TO THIS DIVISION OF THE WORK.

B. GENERALLY, WORK SHALL CONSIST OF A NEW CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL MAKE A DETAILED SITE INSPECTION TO ACQUAINT THEMSELF WITH PRESENT CONDITIONS, INCLUDING THE STRUCTURE AND ANY OBSTACLES WHICH MAY BE ENCOUNTERED IN THE EXECUTION OF THE WORK.

C. IT IS THE SPECIFIC INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO INCLUDE ALL ELECTRICAL WORK ITEMS OF ANY NATURE WHICH ARE NECESSARY AND ARE REQUIRED TO MAKE THE SYSTEMS OPERATE IN A SATISFACTORY AND COMPLETE CONDITION. THE ELECTRICAL CONTRACTOR, THEREFORE, MUST REVIEW THESE DOCUMENTS AND FAMILIARIZE THEMSELF FULLY AS TO CONDITIONS SURROUNDING OR EFFECTING THIS WORK.

D. THE WORK TO BE DONE SHALL COMPLY WITH NFPA 70, THE 2020 NATIONAL ELECTRICAL CODE (NEC) AS WELL AS ALL APPLICABLE LOCALLY-ENFORCED CODES, ORDINANCES, AMENDMENTS, STATE LAWS AND FEDERAL LAWS. WHERE A CONFLICT EXISTS BETWEEN CODES, THE MOST STRINGENT SHALL APPLY.

E. FURNISH ALL LABOR, MATERIALS, HARDWARE AND EQUIPMENT TO PROVIDE COMPLETE SYSTEMS FOR NEW EQUIPMENT, CONDUIT, OUTLETS, JUNCTION BOXES AND ALL WIRING SYSTEMS AS SHOWN ON CONTRACT DOCUMENTS.

F. PROVIDE COORDINATION OF AUXILIARY SYSTEMS WIRING AND EQUIPMENT (ROUGH-IN ONLY) AS INDICATED ON THE CONTRACT DOCUMENTS.

GUARANTEE

A. ELECTRICAL CONTRACTOR SHALL GUARANTEE EACH UNIT AND ALL ACCESSORIES FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE AGAINST FAULTY MATERIALS AND WORKMANSHIP AND FOR CONFORMING TO SPECIFICATIONS.

B. IF ANY UNIT DOES NOT OPERATE SATISFACTORILY, OR IF ANY PARTS SHOULD SHOW UNDUE WEAR DURING THE ONE YEAR PERIOD, THE ELECTRICAL CONTRACTOR WILL BE NOTIFIED AND WILL BE REQUIRED TO REMEDY THE DEFECTS PROMPTLY AND MAKE THE UNIT OPERATE IN A MANNER SATISFACTORY TO THE ARCHITECT/ENGINEER. DEFECTIVE PARTS WILL BE RETURNED TO THE CONTRACTOR ONLY AT HIS OWN REQUEST AND EXPENSE.

UNDERWRITER'S LABORATORIES APPROVAL

A. ELECTRICAL CONTRACTOR SHALL UNDERSTAND THE PRODUCT, MEANS AND METHODS OF INSTALLATION. ALL CONDUCTORS AND EQUIPMENT SHALL BE APPROVED AND LISTED BY A NRTL (NATIONALLY RECOGNIZED TESTING LABORATORY). LISTED AND LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING AND LABELING IN ADDITION TO THE WRITTEN INSTALLATION INSTRUCTIONS AND METHODS OF INSTALLATION AS PUBLISHED BY THE MANUFACTURER OF THE EQUIPMENT OR MATERIAL PROVIDER. THE ELECTRICAL CONTRACTOR SHALL OBTAIN THE INSTALLATION INSTRUCTIONS AND REQUIREMENTS PRIOR TO BID. ALL RFI AND CLARIFICATIONS OF SCOPE PRESENTED DURING CONSTRUCTION WHERE THE CONTRACTOR HAS NOT PREVIOUSLY OBTAINED THIS INFORMATION FOR BIDDING PURPOSES WILL NOT BE CAUSE FOR ADDITIONAL COSTS OR PROJECT DELAY.

B. ALL EQUIPMENT SHALL BE UNDERWRITER'S LABORATORIES LISTED AND SHALL BEAR THE U/L LABEL.

PERMITS, FEES AND CERTIFICATES

A. ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND LICENSES REQUIRED BY CITY ORDINANCES AND AFTER COMPLETION OF THE WORK SHALL FURNISH TO THE OWNER A CERTIFICATE OF FINAL INSPECTION AND APPROVAL. ALL FEES IN CONNECTION WITH INSPECTIONS, PERMITS, LICENSES AND APPROVAL SHALL BE PAID BY THE ELECTRICAL CONTRACTOR.

COORDINATION

A. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EQUIPMENT AND MATERIALS PRIOR TO ROUGH-IN INSTALLATION.

B. REFER TO ARCHITECTURAL PLANS AND FIELD VERIFY ALL DIMENSIONS. REFER TO ARCHITECTURAL PLANS FOR ALL LOCATIONS OF EXPANSION JOINTS AND FIRE RATED WALLS.

C. SURFACE MOUNT CONDUITS TIGHT TO STRUCTURE IN ALL AREAS WHERE CONDUITS ARE EXPOSED IN A NEAT AND WORKMANSHIP LIKE MANNER, PARALLEL AND PERPENDICULAR TO BUILDING LINES.

D. ALL BRANCH CIRCUIT WIRING SHALL BE MINIMUM #12 AWG (UNLESS OTHERWISE NOTED). FOR LENGTHS EXCEEDING 50 FEET, WIRING SHALL BE MINIMUM #10AWG.

E. ALL BRANCH CIRCUIT WIRING SHALL BE IN 1/2" C MINIMUM CONDUIT (UNLESS OTHERWISE NOTED). HOMERUNS SHALL BE 3/4" C MINIMUM. MINIMUM SIZE RACEWAY OF CONDUIT BELOW GRADE SHALL BE 1" MINIMUM.

F. UTILIZE EXTENSION RINGS WITH WALL TYPE AS REQUIRED TO ASSURE THAT BOXES ARE FLUSH WITH THE FINISHED SURFACE.

G. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TEMPORARY POWER AND LIGHTING FOR THE DURATION OF THE PROJECT WHICH SHALL MEET OSHA STANDARDS, STATE LAW, LOCAL ORDINANCES AND AHJ REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY INFRASTRUCTURE AT THE COMPLETION OF THE PROJECT. PROVIDE POWER TO JOB-SITE TRAILERS AS REQUIRED, IN COORDINATION WITH GENERAL CONTRACTOR.

H. PROVIDE UNSWITCHED BRANCH CIRCUIT CONNECTION TO FIXTURES WITH EMERGENCY DRIVERS, BATTERIES OR EXIT SIGNS. THE CONNECTION SHALL BE FROM THE SAME NORMAL BRANCH CIRCUIT THAT SERVES THE AREA

I. ALL POWER PACKS FOR OCCUPANCY SENSORS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS.

ELECTRICAL ABBREVIATIONS

1PH	SINGLE PHASE (LINE-LINE)	JB	JUNCTION BOX
3PH	3 PHASE (L1-L2-L3)	kVA	KILOVOLT AMPERE(S)
3R	NEMA 3R	KW	KILOWATT(S)
A	AMPERE(S)	MC	MECHANICAL WORK CONTRACTOR
AIC	AMPERES INTERRUPTING CAPACITY	MIN	MINIMUM
AFCI	ARC FLASH CIRCUIT INTERRUPTER	MCA	MINIMUM CIRCUIT AMPERES
AFF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AHJ	AUTHORITY HAVING JURISDICTION	MLO	MAIN LUGS ONLY
AL	ALUMINUM	MOCP	MAXIMUM OVERCURRENT PROTECTION
ALT	ALTERNATE	NC	NORMALLY CLOSED
AWG	AMERICAN WIRE GAUGE	NF	NON FUSED
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CLG	CEILING	PC	PLUMBING WORK CONTRACTOR
COND	CONDUCTOR	PH	PHASE
C	CONDUIT	PVC	POLYVINYL CHLORIDE
CU	COPPER	T	TELEPHONE
CT	CURRENT TRANSFORMER	TC	TIMECLOCK
(E)	EXISTING	TEB	TELEPHONE EQUIPMENT BOARD
EC	ELECTRICAL WORK CONTRACTOR	TYP	TYPICAL
EMT	ELECTRICAL METALLIC TUBING	UNV	UNIVERSAL
FV	FIELD VERIFY	UON	UNLESS OTHERWISE NOTED
GC	GENERAL CONTRACTOR	V	VOLT(S)
GFI	GROUND FAULT INTERRUPTER	VA	VOLTAMP(S)
GND	GROUND	W	WATT(S)
GRS	GALVANIZED RIGID STEEL CONDUIT	WP	WEATHERPROOF
IG	ISOLATED GROUND	XFMR	TRANSFORMER
IMC	INTERMEDIATE METALLIC CONDUIT		

ELECTRICAL SYMBOLS

- NEMA 5-20R SINGLE RECEPTACLE (+18")
- NEMA 5-20R DUPLEX RECEPTACLE (+18")
- NEMA 5-20R QUADPLEX RECEPTACLE (+18")
- WP — NEMA 5-20R WEATHERPROOF, GFI TYPE RECEPTACLE
- NEMA 5-20R DUPLEX GFI TYPE RECEPTACLE
- USB — USB CHARGER RECEPTACLE DUPLEX WITH (2) TYPE A USB PORTS
- NEMA 5-20R SWITCHED RECEPTACLE
- FB — FLOOR BOX
- SPECIAL PURPOSE OUTLET.
- VOICE/DATA OUTLET BOX
- CATV OUTLET BOX
- CCTV CAMERA
- J — JUNCTION BOX
- SPEAKER
- $ — SINGLE POLE SWITCH (+44")
- $3 — 3-WAY SWITCH (+44")
- S — WALL SWITCH OCCUPANCY SENSOR (+44")
- D — DIMMER SWITCH (+44")
- DOS — DIMMER SWITCH W/INTEGRAL OCCUPANCY SENSOR (+44")
- (OS) — CEILING MOUNTED OCCUPANCY SENSOR
- RECESSED DOWN LIGHT
- WALL MOUNTED LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- 1X4 / 2x2 / 2x4 LIGHT FIXTURE
- CRITICAL CIRCUIT LIGHT FIXTURE
- EXIT SIGN
- EMERGENCY EGRESS LIGHT W/ BATTERY
- SITE LIGHTING FIXTURE
- DISCONNECT SWITCH
- PUSHBUTTON
- BRANCH CIRCUIT PANELBOARD
- XX / XX — EQUIPMENT CALLOUT
- # — KEYED NOTE SYMBOL
- # — REVISION SYMBOL
- CONCEALED CONDUIT
- CONDUIT BELOW FLOOR OR GRADE
- CONDUIT EXPOSED
- GROUND WIRE
- P1-2,4,6 — HOMERUN. PHASE WIRE SHOWN AS SHORT LINE, NEUTRAL WIRE SHOWN AS LONG LINE, GROUND WIRE SHOWN WITH DOT.

NUMBERS INDICATE SOURCE PANELBOARD AND CIRCUIT.

(+XX") — MOUNTING HEIGHT TO CENTERLINE OF SWITCH OR DEVICE

FIRE ALARM SYMBOLS

- F — MANUAL PULL STATION
- F — AUDIO/VISUAL NOTIFICATION DEVICE (+80-96")
- F — STROBE LIGHT ONLY (+80-96")
- F_S — SMOKE DETECTOR (CEILING MTD.)
- F_T — THERMAL DETECTOR (CEILING MTD.)
- F_{CO} — CARBON MONOXIDE DETECTOR
- F_{SA} — SUPPLY AIR SMOKE DETECTOR
- F_{RA} — RETURN AIR SMOKE DETECTOR w/ SAMPLING TUBE
- F_{SR} — R.T.U./A.H.U. SHUTDOWN RELAY
- F_{RTS} — R.A. DUCT MTD. SMOKE DETECTOR REMOTE TEST STATION WITH KEY LOCK
- F_{DH} — DOOR HOLDER
- F_{CM} — CONTROL MODULE
- F_{MM} — MONITOR MODULE
- F_{FS} — FLOW SWITCH
- F_{TS} — TAMPER SWITCH
- C — C SUBSCRIPT - DENOTES CEILING MOUNTED
- F.A.P. — FIRE ALARM ANNUNCIATOR PANEL
- F.A.C.P. — FIRE ALARM CONTROL PANEL
- G.A.P. — GENERATOR ANNUNCIATOR PANEL

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WARREN COUNTY Electric

Missouri Center for Oral Surgery & Implants

1046 Wentzville Parkway
Wentzville, MO 63385

Project No: 25-0014

No	Description	Date

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STATE OF MISSOURI
MARCUS ECKSTEIN
NUMBER PE-2019017810
PROFESSIONAL ENGINEER

Marcus A. Eckstein
MO# PE-2019017810

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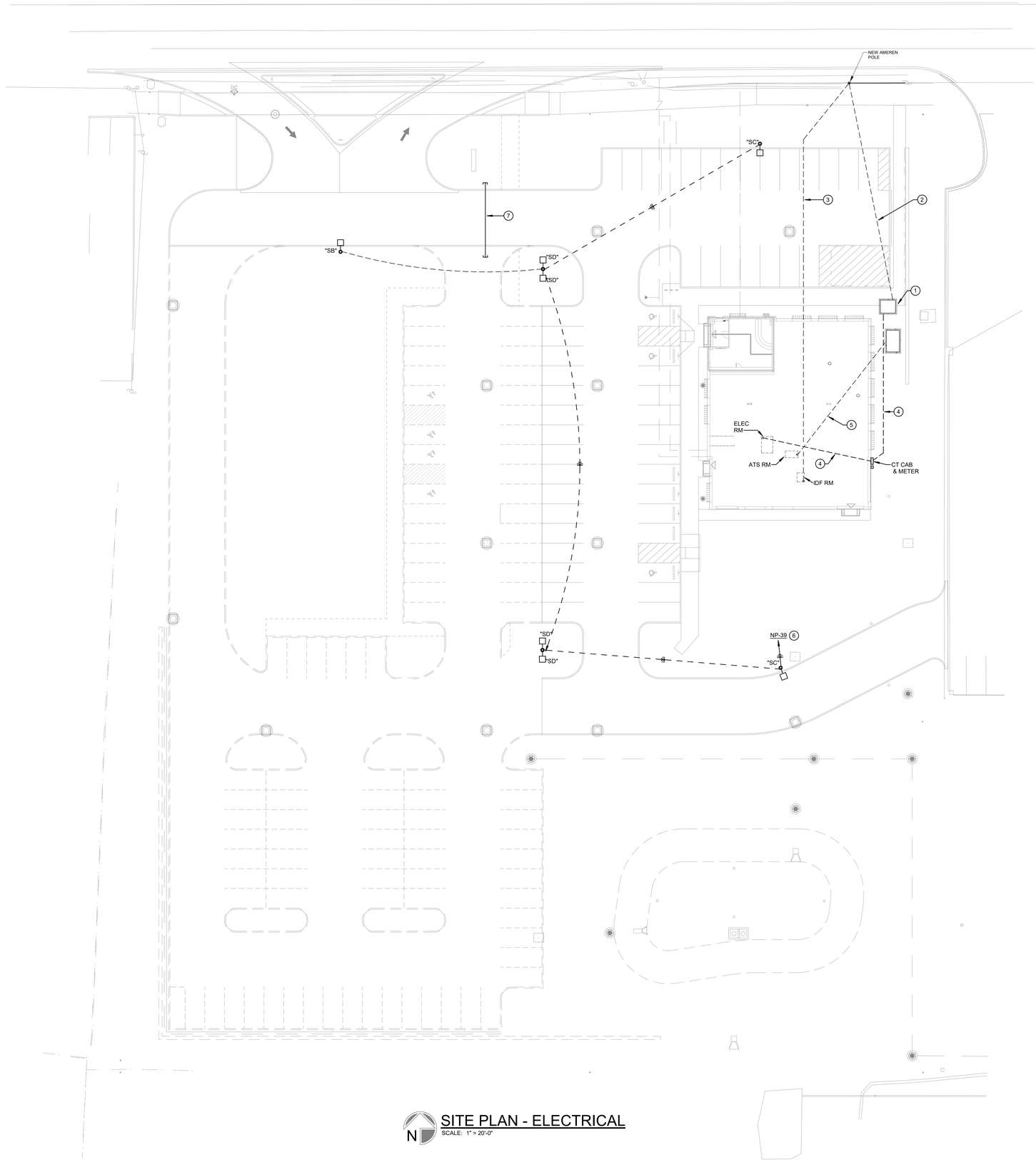
DATE:	03-28-25
SCALE:	AS NOTED

ELECTRICAL SYMBOLS AND ABBREVIATIONS

E-000

3/21/2025 10:28:20 AM



KEYED NOTES

1. INSTALL UTILITY TRANSFORMER PAD PER AMEREN STANDARDS.
2. INSTALL (1) 4" PVC, 36" BELOW GRADE FOR PRIMARY CONDUIT TO OH POLE. TURN UP POLE PER AMEREN UE STANDARDS.
3. PROVIDE (1) 2"C FOR TELECOM SERVICE TO BUILDING. TURN UP POLE PER AMEREN UE/TELECOM STANDARDS.
4. SECONDARY SERVICE TO BUILDING. REFER TO RISER DIAGRAM.
5. FEEDERS FOR GENERATOR POWER. REFER TO RISER DIAGRAM. IN ADDITION, PROVIDE (2) 1"C FOR CONTROLS TO ATS.
6. ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR.
7. PROVIDE (1) 4" SLEEVE ACROSS DRIVEWAY.

N

SITE PLAN - ELECTRICAL

SCALE: 1" = 20'-0"

3/21/2025 10:28:21 AM

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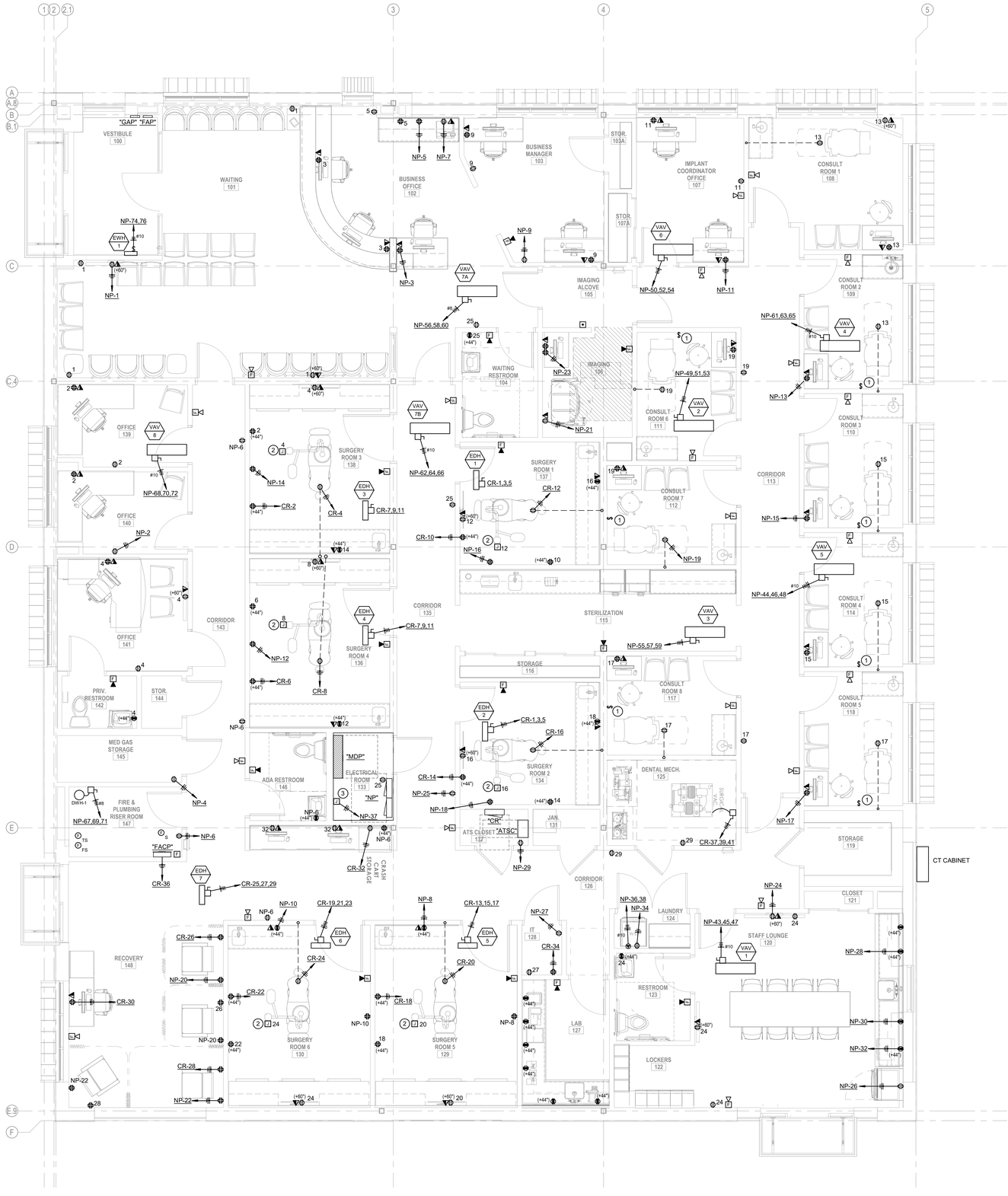
DATE:	03-28-25
SCALE:	AS NOTED

SITE PLAN

E-100



FIRST FLOOR PLAN - POWER & SYSTEMS

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

KEYED NOTES

1. SWITCH TO TURN ON/OFF SUCTION VALVE AT WALL.
2. PROVIDE POWER TO CEILING MOUNTED LIGHT.
3. PROVIDE 4-POLE LIGHTING CONTACTOR WITH TIMECLOCK AND PHOTOCELL ON ROOF FOR CONTROL OF EXTERIOR LIGHTING.

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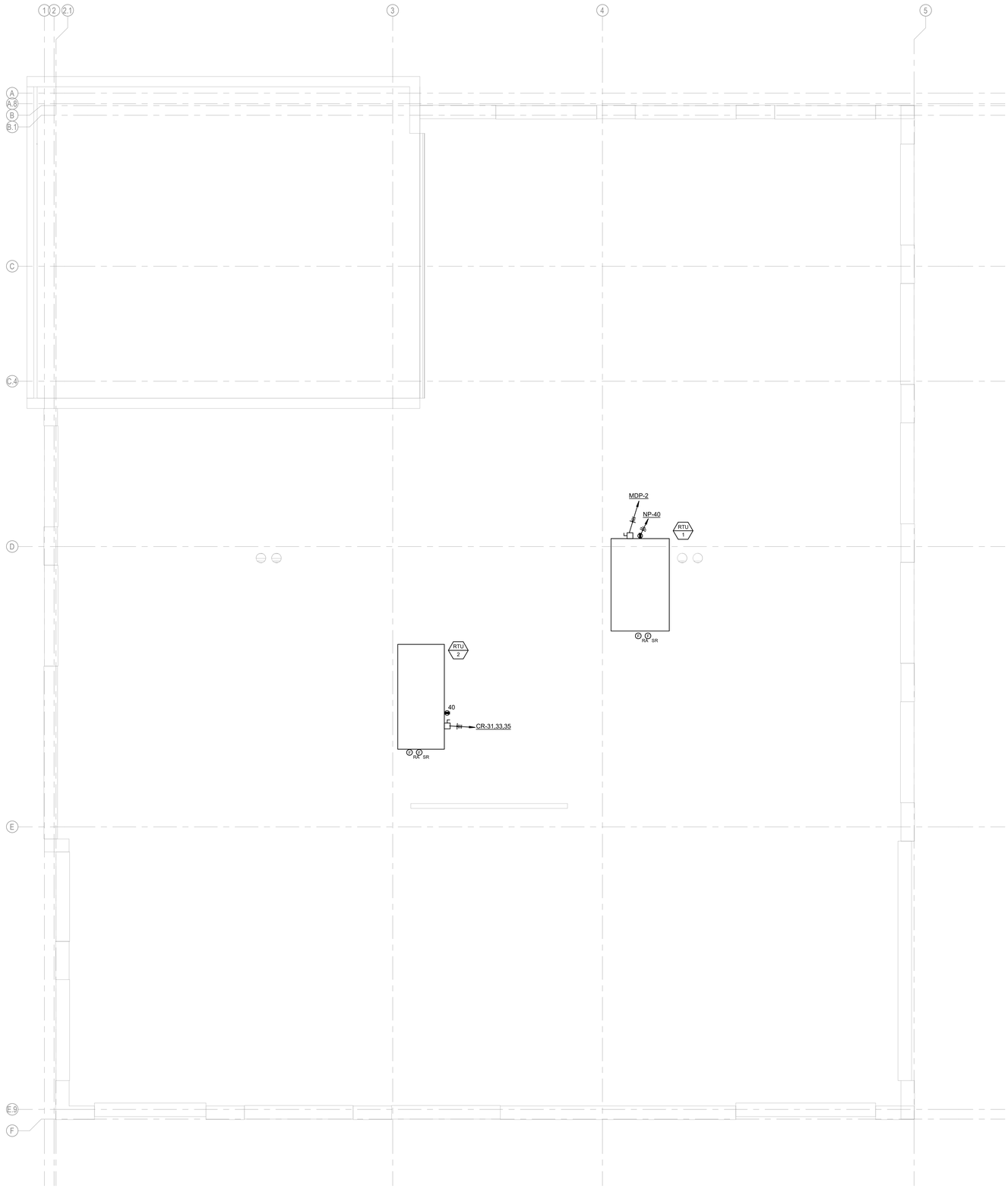
DATE:	03-28-25
SCALE:	AS NOTED

FIRST FLOOR PLAN

E-201

3/21/2025 10:28:24 AM



ROOF PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

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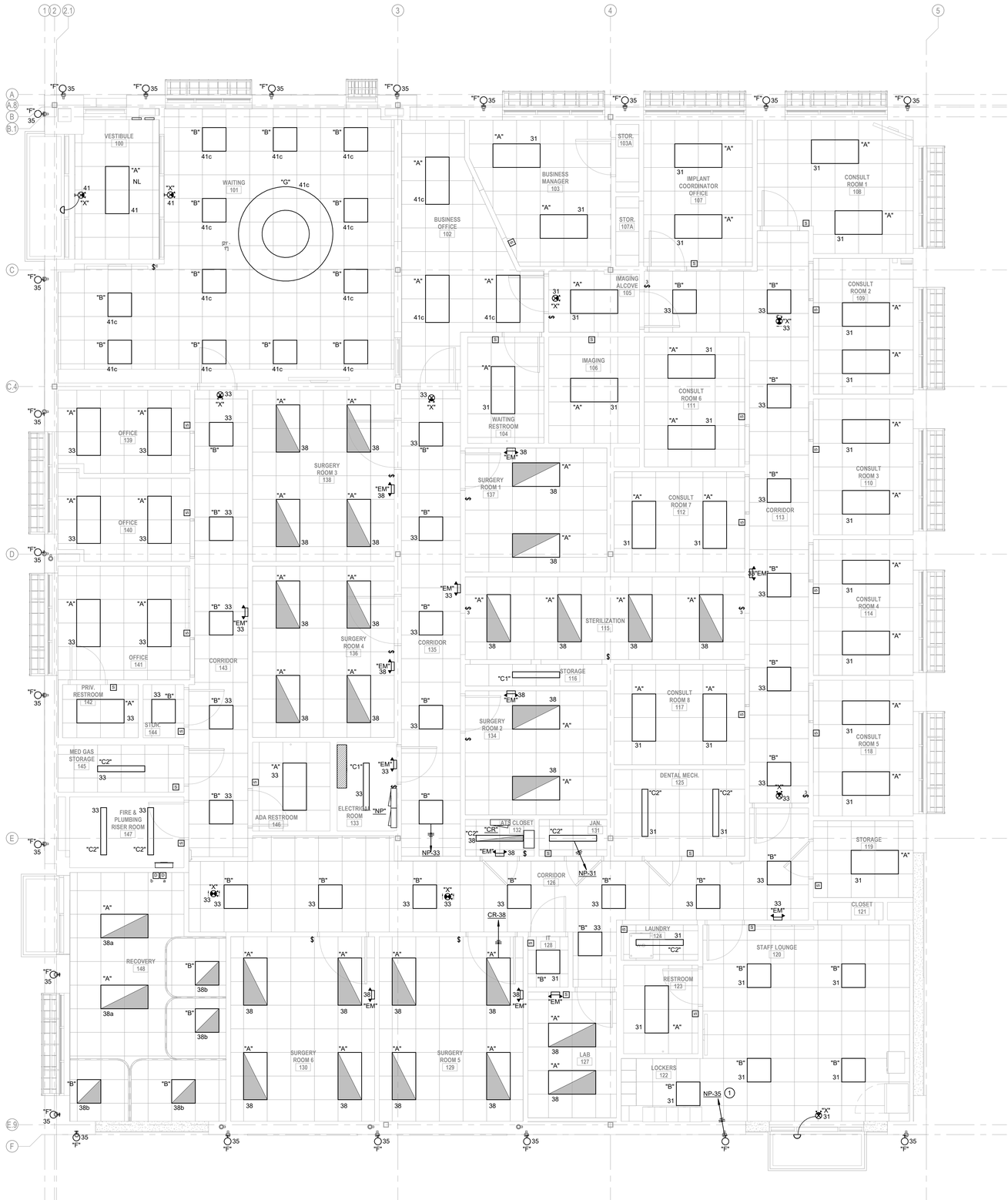
DATE:	03-28-25
SCALE:	AS NOTED

ROOF PLAN

E-206



KEYED NOTES

1. ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR.

FIRST FLOOR CEILING PLAN - LIGHTING

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

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DATE:	03-28-25
SCALE:	AS NOTED

FIRST FLOOR CEILING PLAN

E-301

3/21/2025 10:28:27 AM

208Y/120V
3-PHASE, 4-WIRE + GROUND

BUS: **800 AMPS**
MAINS: **MLO**

PANEL NAME: **MDP**
FED FROM:
MOUNTING:

OPTIONS:

N	DESCRIPTION	ID	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	OCPD SIZE			OCPD SIZE	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	ID	DESCRIPTION	N
	ATS-CR	G	21,974			400/3	1	2	400/3	31,000			G	PANEL NP	
	----------	G		21,974		-	3	4	-		31,000		G	-	
	----------	G			21,974	-	5	6	-			31,000	G	-	
	RTU-1	M	11,400			125/3	7	8	100/3					SPARE	
	----------	M		11,400		-	9	10	-					-	
	----------	M			11,400	-	11	12	-					-	
							13	14							
							15	16							
							17	18							
							19	20							
							21	22							
							23	24							
							25	26							
							27	28							
							29	30							
							31	32							
							33	34							
							35	36							
							37	38							
							39	40							
							41	42							

CONNECTED LOAD (Downstream Loads Included)	
TOTAL PHASE "A" VA	64,374
TOTAL PHASE "B" VA	64,374
TOTAL PHASE "C" VA	64,374
TOTAL CONNECTED VA	193,122
TOTAL CONNECTED AMPS	537

NOTES:

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	DEMAND	CALCULATED VA	AMPS @ 208Y/120V
LIGHTING	0	125%	0	0
RECEPT	0	100%	0	0
RECEPT	0	50%	0	0
MOTOR	34200	100%	34200	95
LRGST MTR	0	125%	0	0
MISC/GENERAL	158922	100%	158922	442
KITCHEN	0		0	0
ELEC HEAT	0	125%	0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
TOTAL	**193122**		**193122**	**537**

LUMINAIRE SCHEDULE

TAG	MANUFACTURER	DESCRIPTION	INSTALLATION METHOD	LUMENS	VOLTAGE	WATTS	KELVIN	FEATURES/OPTIONS
A	LITHONIA	CPX 2X4 AL08 80CRI-SWW7-SWL	C/R	4900	UNV	35	4000K	
B	LITHONIA	CPX 2X2 AL07 80CRI-SWW7-SWL	C/R	3500	UNV	26	4000K	
C1	LITHONIA	CSS-L48-AL03-MV-SWW3-5000	C/S	5900	UNV	42	4000K	
C2	LITHONIA	CSS-L48-AL03-MV-SWW3-4000LM	C/S	4200	UNV	35	4000K	
EM	LITHONIA	EU2L	W/S	-	UNV	5	-	
F								
G	SPI	ZYNN 4-RING TIERED CHANDELIER	C/P		UNV			
SB	LITHONIA	DSXW1-LED-P6-40K-R4-MV-SPA-DBLXD	POLE	30000	UNV	225	4000K	20'-0" SSS POLE
SC	LITHONIA	DSXW1-LED-P6-40K-R4-HS-MV-SPA-DBLXD	POLE	30000	UNV	225	4000K	20'-0" SSS POLE
SD	LITHONIA	DSXW1-LED-P6-40K-R5-MV-SPA-DBLXD	POLE	30000	UNV	225	4000K	20'-0" SSS POLE
X	LITHONIA	LHQM	UNV	-	UNV	5	-	

ABBREVIATIONS:
UNV UNIVERSAL 120-277V
C/P CEILING PENDANT
C/R CEILING RECESSED
C/S CEILING SURFACE
W/S WALL SURFACE

ORDERING NOTES:
1
2
3

208Y/120V
3-PHASE, 4-WIRE + GROUND

BUS: **400 AMPS**
MAINS: **MLO**

PANEL NAME: **NP**
FED FROM:
MOUNTING:

OPTIONS:

N	DESCRIPTION	ID	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	OCPD SIZE			OCPD SIZE	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	ID	DESCRIPTION	N
	WAITING RM RECEPTS	R	900			20/1	1	2	20/1	1,080			R	OFFICE 139/140 RECEPTS	
	RECEPTION DESK	R		1,080		20/1	3	4	20/1		1,080		R	OFFICE 141/MED GAS RECEPTS	
	BUSINESS OFFICE RECEPTS	R			900	20/1	5	6	20/1			720	R	CORRIDR/ELEC/FIRE RECEPT	
	BUSINESS PRINTER	R	500			20/1	7	8	20/1	540			R	SURGERY ROOM 5 RECEPT	
	BUSINESS MANAGER RECEPTS	R		1,080		20/1	9	10	20/1		540		R	SURGERY ROOM 6 RECEPT	
	IMPLANT OFFICE	R			900	20/1	11	12	20/1			540	R	SURGERY ROOM 4 RECEPT	
	CONSULT ROOM 1, 2 RECEPTS	R	1,260			20/1	13	14	20/1	540			R	SURGERY ROOM 3 RECEPT	
	CONSULT ROOM 3, 4 RECEPTS	R		1,080		20/1	15	16	20/1		540		R	SURGERY ROOM 1 RECEPT	
	CONSULT ROOM 5, 8 RECEPTS	R			1,080	20/1	17	18	20/1			540	R	SURGERY ROOM 2 RECEPT	
	CONSULT ROOM 6, 7 RECEPTS	R	1,080			20/1	19	20	20/1	720			R	RECOVERY RECEPTS	
	IMAGING ROOM MACHINE	R		1,500		20/1	21	22	20/1		720		R	RECOVERY RECEPTS	
	IMAGINE MONITOR	R			720	20/1	23	24	20/1			720	R	BREAK ROOM RECEPTS	
	CORRIDOR/ELEC RM/RR RECEPTS	R	900			20/1	25	26	20/1	900			R	BREAK RM REFRIGERATOR	
	IT ROOM RECEPT	R		360		20/1	27	28	20/1		360		R	BREAK ROOM COUNTER	
	CORR RECEPTS	R			540	20/1	29	30	20/1			900	R	BREAK ROOM APPLIANCE	
	LIGHTING	L	1,181			20/1	31	32	20/1	1,500			R	BREAK ROOM MICROWAVE	
	LIGHTING	L		1,132		20/1	33	34	20/1		1,500		R	WASHING MACHINE	
	EXTERIOR FACADE LIGHTING	L			249	20/1	35	36	30/2			2,500	R	DRYER	
	LIGHTING CONTACTOR	L	200			20/1	37	38	-	2,500			R	-	
	SITE LIGHTING	L		1,350		20/1	39	40	20/1		360		R	ROOFTOP RECEPTS	
	LOBBY LIGHTING	L			774	20/1	41	42	20/1					SPARE	
	VAV-1	E	2,333			30/3	43	44	30/3	2,666			E	VAV-5	
	-	E		2,333		-	45	46	-		2,666		E	-	
	-	E			2,333	-	47	48	-			2,666	E	-	
	VAV-2	E	500			20/3	49	50	20/3	1,666			E	VAV-6	
	-	E		500		-	51	52	-		1,666		E	-	
	-	E			500	-	53	54	-			1,666	E	-	
	VAV-3	E	666			20/3	55	56	40/3	3,666			E	VAV-7A	
	-	E		666		-	57	58	-		3,666		E	-	
	-	E			666	-	59	60	-			3,666	E	-	
	VAV-4	E	2,666			30/3	61	62	30/3	2,666			E	VAV-7B	
	-	E		2,666		-	63	64	-		2,666		E	-	
	-	E			2,666	-	65	66	-			2,666	E	-	
	DWH-1	G	4,100			50/3	67	68	30/3	2,333			E	VAV-8	
	-	G		4,100		-	69	70	-		2,333		E	-	
	-	G			4,100	-	71	72	-			2,333	E	-	
	SPARE					20/1	73	74	30/2	2,000			E	EWH-1	
	SPARE					20/1	75	76	-		2,000		E	-	
	SPARE					20/1	77	78	20/1					SPARE	
	SPARE					20/1	79	80	20/1					SPARE	
	SPARE					20/1	81	82	20/1					SPARE	
	SPARE					20/1	83	84	20/1					SPARE	

CONNECTED LOAD (Downstream Loads Included)	
TOTAL PHASE "A" VA	39,063
TOTAL PHASE "B" VA	37,944
TOTAL PHASE "C" VA	34,345
TOTAL CONNECTED VA	111,352
TOTAL CONNECTED AMPS	309

NOTES:

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	DEMAND	DESIGN VA	AMPS @ 208Y/120V
LIGHTING	4252	125%	5315	15
RECEPT	10,000	100%	10000	28
RECEPT	22320	50%	11160	31
MOTOR	0	100%	0	0
LRGST MTR	0	125%	0	0
MISC/GENERAL	12300	100%	12300	34
KITCHEN	0		0	0
ELEC HEAT	57486	125%	71858	200
USER DEFINED	0		0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
TOTAL	**106358**		**110633**	**307**

208Y/120V
3-PHASE, 4-WIRE + GROUND

BUS: **400 AMPS**
MAINS: **MLO**

PANEL NAME: **CR**
FED FROM:
MOUNTING:

OPTIONS:

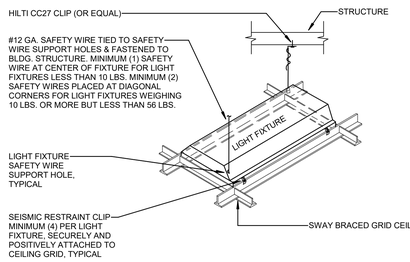
N	DESCRIPTION	ID	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	OCPD SIZE			OCPD SIZE	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	ID	DESCRIPTION	N
	EDH-1, EDH-2	E	1,332			20/3	1	2	20/1	720			R	SURGERY RM 3 RECEPTS	
	-	E		1,332		-	3	4	20/1		600		R	SURGERY RM 3 CHAIRLT/MONITOR	
	-	E			1,332	-	5	6	20/1			720	R	SURGERY RM 4 RECEPTS	
	EDH-3, EDH-4	E	1,332			20/3	7	8	20/1	600			R	SURGERY RM 4 CHAIRLT/MONITOR	
	-	E		1,332		-	9	10	20/1		720		R	SURGERY RM 1 RECEPTS	
	-	E			1,332	-	11	12	20/1			600	R	SURGERY RM 1 CHAIRLT/MONITOR	
	EDH-5	E	1,666			20/3	13	14	20/1	720			R	SURGERY RM 2 RECEPTS	
	-	E		1,666		-	15	16	20/1		600		R	SURGERY RM 2 CHAIRLT/MONITOR	
	-	E			1,666	-	17	18	20/1			720	R	SURGERY RM 5 RECEPTS	
	EDH-6	E	1,666			20/3	19	20	20/1	600			R	SURGERY RM 5 CHAIRLT/MONITOR	
	-	E		1,666		-	21	22	20/1		720		R	SURGERY RM 5 RECEPTS	
	-	E			1,666	-	23	24	20/1			600	R	SURGERY RM 5 CHAIRLT/MONITOR	
	EDH-7	E	3,333			40/3	25	26	20/1	720			R	RECOVERY RECEPTS	
	-	E		3,333		-	27	28	20/1		720		R	RECOVERY RECEPTS	
	-	E			3,333	-	29	30	20/1			360	R	RECOVERY NURSE DESK	
	RTU-2	M	6,360			70/3	31	32	20/1	540			R	CRASH CART / MONITORS	
	-	M		6,360		-	33	34	20/1		360		R	IT DATA RACK	
	-	M			6,360	-	35	36	20/1			300	R	FIRE ALARM CONTROL PANEL	
	DENTAL VACUUM	M	840			20/3	37	38	20/1	1,119			L	SURGERY/RECOVERY/LAB LTG	
	-	M		840		-	39	40	20/1					SPARE	
	-	M			840	-	41	42	20/1					SPARE	
	SPARE					20/1	43	44	20/1					SPARE	
	SPARE					20/1	45	46	20/1					SPARE	
	SPARE					20/1	47	48	20/1					SPARE	
	SPARE					20/1	49	50	20/1					SPARE	
	SPARE					20/1	51	52	20/1					SPARE	
	SPARE					20/1	53	54	20/1					SPARE	
	SPARE					20/1	55	56	20/1					SPARE	
	SPARE					20/1	57	58	20/1					SPARE	
	SPARE					20/1	59	60	20/1					SPARE	

CONNECTED LOAD (Downstream Loads Included)			
TOTAL PHASE "A" VA	21,548		
TOTAL PHASE "B" VA		20,249	
TOTAL PHASE "C" VA			19,829
TOTAL CONNECTED VA	61,626		
TOTAL CONNECTED AMPS	171		

NOTES:

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	DEMAND	DESIGN VA	AMPS @ 208Y/120V
LIGHTING	1119	125%	1399	4
RECEPT	10,000	100%	10000	28
RECEPT	920	50%	460	1
MOTOR	21600	100%	21600	60
LRGST MTR	0	125%	0	0
MISC/GENERAL	0	100%	0	0
KITCHEN	0		0	0
ELEC HEAT	27987	125%	34984	97
USER DEFINED	0		0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
TOTAL	**61626**		**68443**	**190**



NOTES:
1. SUPPORT WIRES FOR FIXTURES WEIGHTING LESS THAN 56 LBS. MAY BE INSTALLED SLACK. ALL OTHER SUPPORT WIRES SHALL BE INSTALLED TAUT WITH A MINIMUM OF 3 TIGHT TURNS AROUND ITSELF.

2. LIGHT FIXTURES WEIGHING 56 LBS OR MORE SHALL BE INDEPENDENTLY SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE, BY APPROVED HANGERS.

EXCEPTION:
LIGHT FIXTURES THAT ARE NOT COMPONENTS OF A STANDBY OR EMERGENCY LIGHTING SYSTEM AND WEIGH LESS THAN 20 POUNDS AND ARE POWERED USING FLEXIBLE CABLE CONNECTIONS NOT LESS THAN 3 FT. LONG CONNECTED TO THE FIXTURES, ARE NOT REQUIRED TO HAVE THE ADDITIONAL SUPPORT WIRE(S) DESCRIBED ABOVE. SUCH FIXTURES ARE REQUIRED TO BE POSITIVELY ATTACHED TO THE CEILING GRID AS DESCRIBED ABOVE.

1 / E-500 RECESSED LIGHTING FIXTURE SUPPORT DETAIL
NO SCALE

GENERAL NOTES:

TOP OF CONCRETE FOUNDATION SHALL BE TROWELLED SMOOTH AND LEVEL

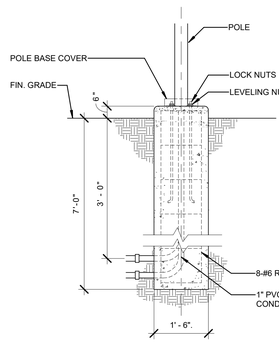
CONCRETE SHALL BE 3000 P.S.I. @ 28 DAYS. CONCRETE SHALL BE VIBRATED.

VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.

EXTEND CONDUITS 12" ABOVE TOP OF FORM. TERMINATE CONDUITS WITH INSULATED THROAT BUSHINGS.

POLE: 20'-0", STRAIGHT, SQUARE SHAFT, FABRICATED FROM HIGH TENSILE CARBON STEEL. POLE SHAFT SHALL BE ONE PIECE, ROLLED & FLATTENED INTO SHAPE WITH VERTICAL WELDED SEAM. POLE BASE SHALL BE OF SIMILAR MATERIAL, WELDED TO SHAFT. POLE TOP SHALL BE FLAT STEEL STOCK, PERMANENTLY SECURED TO SHAFT & SEALED WEATHERTIGHT. POLE SHALL BE PROVIDED WITH HANDHOLE & COVER, 18" ABOVE BASE. POLES SHALL BE PROVIDED WITH ALL ANCHOR BOLTS, NUTS, WASHERS, INSTALLATION TEMPLATES, ETC., REQD FOR INSTALLATION. POLE FINISH SHALL BE POLYESTER POWDER COAT, ELECTROSTATICALLY APPLIED OVER CORROSION RESISTANT UNDERCOAT, COLOR AS SELECTED BY ARCHITECT.

SUGGESTED MANUFACTURERS:
UNITED LIGHTING STANDARDS INC.
US POLE CO. INC.
VALMONT INDUSTRIES
OR EQUAL



2 / E-500 LIGHTING POLE FOUNDATION DETAIL
NO SCALE

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Missouri Certificate of Authority #2007001752
E2025101752A

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Project No: 25-0014

No	Description	Date

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STATE OF MISSOURI
MARCUS ECKSTEIN
NUMBER PE-2019017810
PROFESSIONAL ENGINEER

Marcus A. Eckstein
MO# PE-2019017810

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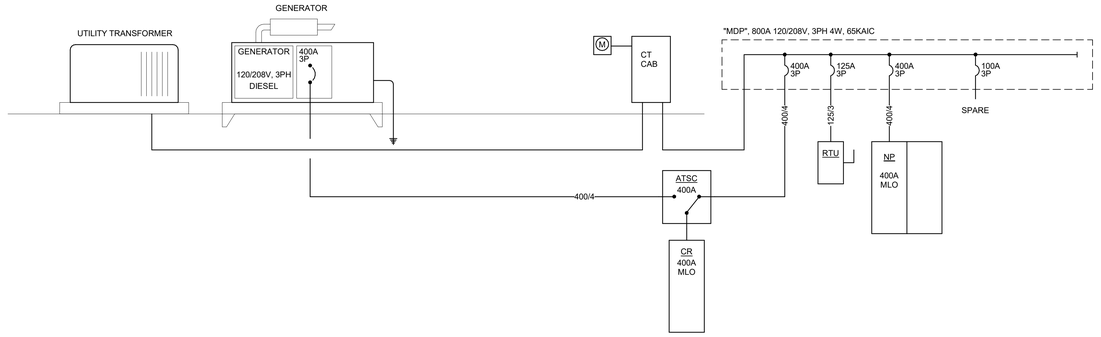
DATE: 03-28-25
SCALE: AS NOTED

ELECTRICAL SCHEDULES & DETAILS

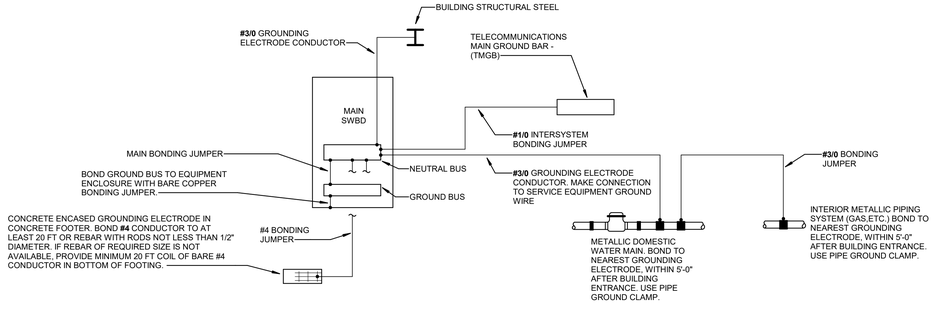
E-500

FEEDER SCHEDULE - ALUMINUM CONDUCTORS WITH COPPER GROUND

FEEDER ID	AMPS	PHASE WIRES (AWG)	NEUTRAL WIRES (AWG)	GND (AWG)	MIN. CONDUIT SIZE	FEEDER ID	AMPS	PHASE WIRES (AWG)	NEUTRAL WIRES (AWG)	GND (AWG)	MIN. CONDUIT SIZE
CU-30/3	30	(3) #10		#10	3/4"	400/3	400	(6) 250 KCMIL		(2) #2	(2) 2-1/2"
CU-30/4	30	(3) #10	(1) #10	#10	3/4"	400/4	400	(6) 250 KCMIL	(2) 250 KCMIL	(2) #2	(2) 2-1/2"
CU-40/3	40	(3) #8		#10	3/4"	500/3	500	(6) 350 KCMIL		(2) #2	(2) 2-1/2"
CU-40/4	40	(3) #8	(1) #8	#10	3/4"	500/4	500	(6) 350 KCMIL	(2) 350 KCMIL	(2) #2	(2) 3"
CU-50/3	50	(3) #6		#10	1	600/3	600	(6) 500 KCMIL		(2) #1	(2) 3"
CU-50/4	50	(3) #6	(1) #6	#10	1-1/4"	600/4	600	(6) 500 KCMIL	(2) 500 KCMIL	(2) #1	(2) 3-1/2"
CU-60/3	60	(3) #4		#10	1-1/4"	700/3	700	(9) 350 KCMIL		(2) #1/0	(3) 3-1/2"
CU-60/4	60	(3) #4	(1) #4	#10	1-1/4"	700/4	700	(9) 350 KCMIL	(3) 350 KCMIL	(2) #1/0	(3) 3"
CU-70/3	70	(3) #4		#8	1-1/4"	800/3	800	(9) 400 KCMIL		(3) #1/0	(3) 3"
CU-70/4	70	(3) #4	(1) #4	#8	1-1/4"	800/4	800	(9) 400 KCMIL	(3) 400 KCMIL	(3) #1/0	(3) 3"
CU-90/3	90	(3) #2		#8	1-1/4"	1000/3	1000	(12) 350 KCMIL		(3) #2/0	(4) 3"
CU-90/4	90	(3) #2	(1) #2	#8	1-1/4"	1000/4	1000	(12) 350 KCMIL	(4) 350 KCMIL	(3) #2/0	(4) 3"
100/3	100	(3) #1		6	1-1/4"	1200/3	1200	(12) 500 KCMIL		(4) #3/0	(4) 3"
100/4	100	(3) #1	(1) #1	6	1-1/2"	1200/4	1200	(12) 500 KCMIL	(4) 500 KCMIL	(4) #3/0	(4) 3-1/2"
125/3	125	(3) #2/0		4	2"	1500/3	1500	(15) 500 KCMIL		(4) #4/0	(5) 3"
125/4	125	(3) #2/0	(1) #2/0	4	2"	1500/4	1500	(15) 500 KCMIL	(5) 500 KCMIL	(4) #4/0	(5) 3-1/2"
150/3	150	(3) #3/0		4	2"	1600/3	1600	(18) 400 KCMIL		(5) #4/0	(6) 3"
150/4	150	(3) #3/0	(1) #3/0	4	2"	1600/4	1600	(18) 400 KCMIL	(6) 400 KCMIL	(5) #4/0	(6) 3"
175/3	175	(3) #4/0		4	2"	2000/3	2000	(21) 500 KCMIL		(7) 250 KCMIL	(7) 3"
175/4	175	(3) #4/0	(1) #4/0	4	2-1/2"	2000/4	2000	(21) 500 KCMIL	(7) 500 KCMIL	(7) 250 KCMIL	(7) 3-1/2"
200/3	200	(3) 250 KCMIL		4	2-1/2"	2500/3	2500	(27) 500 KCMIL		(9) 350 KCMIL	(9) 3-1/2"
200/4	200	(3) 250 KCMIL	(1) 250 KCMIL	4	3"	2500/4	2500	(27) 500 KCMIL	(9) 500 KCMIL	(9) 350 KCMIL	(9) 3-1/2"
225/3	225	(3) 300 KCMIL		4	2-1/2"	3000/3	3000	(30) 500 KCMIL		(10) 400 KCMIL	(10) 3-1/2"
225/4	225	(3) 300 KCMIL	(1) 300 KCMIL	4	3"	3000/4	3000	(30) 500 KCMIL	(10) 500 KCMIL	(10) 400 KCMIL	(10) 3-1/2"
250/3	250	(3) 350 KCMIL		4	2-1/2"	3200/3	3200	(33) 500 KCMIL		(11) 500 KCMIL	(11) 3-1/2"
250/4	250	(3) 350 KCMIL	(1) 350 KCMIL	4	3"	3200/4	3200	(33) 500 KCMIL	(11) 500 KCMIL	(11) 500 KCMIL	(11) 4"
300/3	300	(3) 500 KCMIL		4	3"	4000/3	4000	(33) 750 KCMIL		(11) 750 KCMIL	(11) 4"
300/4	300	(3) 500 KCMIL	(1) 500 KCMIL	4	3-1/2"	4000/4	4000	(33) 750 KCMIL	(11) 750 KCMIL	(11) 750 KCMIL	(11) 4"
350/3	350	(6) #4/0		2	(2) 2"						
350/4	350	(6) #4/0	(2) #4/0	2	(2) 2-1/2"						



2 E-501 RISER DIAGRAM / ONE LINE DIAGRAM
NO SCALE



GROUNDING AND BONDING NOTES

1. COMPLETE GROUNDING INSTALLATION SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
2. ALL CONDUCTORS ARE BARE STRANDED COPPER, UNLESS NOTED OTHERWISE.
3. ALL UNDERGROUND CONNECTIONS AND CONNECTIONS IN INACCESSIBLE LOCATIONS SHALL BE EXOTHERMIC WELD TYPE. UL LISTED MECHANICAL CONNECTORS CAN BE USED ABOVE GRADE IN ACCESSIBLE LOCATIONS, WHERE ALLOWABLE BY NEC.
4. PROVIDE SUPPLY-SIDE BONDING JUMPERS IN ALL SERVICE EQUIPMENT BETWEEN LINE SIDE CONDUIT GROUNDING BUSHINGS AND NEUTRAL/EQUIPMENT GROUND BUS. WIRE SIZE SHALL BE EQUIVALENT TO THE MAIN BONDING JUMPER AND SERVICE EQUIPMENT GROUND WIRE SIZE AS NOTED ON THE RISER DIAGRAM AND/OR ONE-LINE DIAGRAM.

1 E-501 SERVICE ENTRANCE GROUNDING
NO SCALE

3/21/2025 10:28:29 AM

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1046 Wentzville Parkway
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Project No:	25-0014

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STATE OF MISSOURI
MARCUS ECKSTEIN
NUMBER PE-2019017810
PROFESSIONAL ENGINEER

Marcus A. Eckstein
MO# PE-2019017810

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DATE:	03-28-25
SCALE:	AS NOTED

ELECTRICAL RISER DIAGRAM

E-501

PREPARED FOR:

MISSOURI CENTER FOR ORAL SURGERY

GENERAL NOTES & CONDITIONS (ALL TRADES)

1. DEFINITIONS

HENRY SCHEIN, HENRY SCHEIN INC., HENRY SCHEIN DENTAL, OR HSD INC. REFERS TO THE EQUIPMENT SUPPLIER FOR THIS PROJECT ENGAGED BY THE OWNER UNDER A SEPARATE CONTRACT.

E.S. - "EQUIPMENT & TECHNOLOGY SPECIALIST" IS A HENRY SCHEIN EMPLOYEE THAT SPECIALIZES IN THE MANAGEMENT OF EQUIPMENT AND/OR TECHNOLOGY SALES AND INSTALLATIONS AND HAS ASSISTED THE OWNER IN THE PREPARATION OF DRAWINGS AND SPECIFICATIONS FOR THE CONSTRUCTION OF THE PROPOSED FACILITIES.

THE "**GENERAL CONTRACTOR**", ALSO KNOWN AS THE "**G.C.**" IS REFERRED TO AS THE PERSON(S) OR ENTITY WHO HAS ENTERED INTO A CONTRACTUAL AGREEMENT WITH THE OWNER FOR THE WORK DEFINED IN SUCH AGREEMENT. THE G.C. IS RESPONSIBLE FOR ALL WORK CARRIED OUT BY THEIR SUBCONTRACTORS OR SUBTRADES. IF THE CONSTRUCTION OF THE PROJECT IS LET UNDER SEPARATE CONTRACTS BY THE OWNER, THE RESPONSIBILITIES STIPULATED BELOW SHALL APPLY TO EACH CONTRACTOR.

THE "**OWNER**" IS REFERRED TO AS THE PERSON(S) OR ENTITY WHO OWNS OR LEASES THE PREMISES FOR WHICH A CONSTRUCTION AGREEMENT HAS BEEN ENTERED UPON WITH THE GENERAL CONTRACTOR. WHERE THE OWNER, AS REFERRED TO ABOVE, LEASES THE PREMISES THE ENTITY WHO HAS OWNERSHIP OF THE PROPERTY WILL BE REFERRED TO AS THE LANDLORD.

THE "**OWNER'S AGENT**" IS A REPRESENTATIVE OF THE AGENT ACTING ON THEIR BEHALF AND MAY HAVE THE AUTHORITY TO MAKE DECISIONS IN THEIR ABSENCE. THIS MAY BE AN OFFICE MANAGER, AN ARCHITECT, AN ENGINEER, OR A PROJECT MANAGER HIRED BY THE OWNER.

2. DRAWINGS

THESE DRAWINGS ARE PREPARED BY HENRY SCHEIN AS DENTAL CONSULTANTS FOR ASSISTING AN ARCHITECT/CONTRACTOR TO PRODUCE CONSTRUCTION DOCUMENTS & BUILD A DENTAL OFFICE. THEY DO NOT CONSTITUTE A COMPLETE SET OF CONSTRUCTION DOCUMENTS. ITEMS REQUIRED FOR BUILDING PERMITS OR CONSTRUCTION MAY NOT APPEAR ON THESE DRAWINGS. IF THESE DRAWINGS ARE BEING SUBMITTED FOR BUILDING PERMIT, IT REMAINS THE OWNER AND/OR GENERAL CONTRACTOR'S RESPONSIBILITY RETAIN THE PROPER CONSULTANTS TO PREPARE COMPLETE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.

DOOR SPECIFICATIONS, LIGHTING DESIGN, FINAL REFLECTED CEILING PLANS, AND OTHER SPECIFICATIONS NOT COVERED IN THESE DRAWINGS ARE BY OTHERS.

RETENTION OF OTHER CONSULTANTS SUCH AS AN ARCHITECT, M.E.P. ENGINEERS, OR SECURITY CONSULTANT, ARE THE RESPONSIBILITY OF THE OWNER AND/OR GENERAL CONTRACTOR.

3. HENRY SCHEIN, INC. RESPONSIBILITIES

HENRY SCHEIN, INC. WILL ISSUE DETAILED DRAWINGS SHOWING CRITICAL LOCATIONS & REQUIREMENTS OF ALL DENTAL-SPECIFIC EQUIPMENT. THE E.S. WILL BE AVAILABLE FOR PERIODIC FIELD VISITS. VISITS WILL BE LIMITED TO A PRE-CONSTRUCTION ON-SITE MEETING, LAYOUT CHECKS AND INSTRUCTIONS TO THE VARIOUS TRADES IN THE CRITICAL ASPECTS OF THE WORK PERTAINING TO DENTAL AND ALLIED EQUIPMENT. ALL REQUESTS FOR FIELD VISITS SHALL ALLOW REASONABLE ADVANCED NOTICE. HENRY SCHEIN, INC. AND ITS REPRESENTATIVES WILL NOT ASSUME ANY RESPONSIBILITIES FOR DEVIATIONS FROM THESE DRAWINGS WITHOUT PRIOR WRITTEN CONSENT.

PRIOR TO CONSTRUCTION, THE E.S. WILL VERIFY THE SITE DIMENSIONS OF THE SPACE PRIOR TO ENSURE THEY COINCIDE WITH THE DETAILED DRAWINGS. DURING CONSTRUCTION, THE E.S. WILL CHECK THE JOBSITE PERIODICALLY AS REQUIRED. THE E.S. WILL BE AVAILABLE TO ASSIST THE CONTRACTOR(S)AND THE OWNER IN THE INTERPRETATION OF THESE DRAWINGS AND SPECIFICATIONS. PRIOR TO ENCLOSING WALLS, THE GENERAL CONTRACTOR AND/OR THE FRAMING SUBCONTRACTOR IS REQUIRED TO COORDINATE WITH THE E.S. AND THE HENRY SCHEIN INSTALLATION TECHNICIAN. THIS INSPECTION IS CRITICAL TO ENSURE THAT THE WALL AND/OR CEILING SUPPORTS FOR DENTAL EQUIPMENT WILL MATCH WITH ANY CHANGES THAT MAY HAVE OCCURRED WITH THE OWNER'S EQUIPMENT ORDER. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE PLUMBING, ELECTRICAL, SUPPORT BACKING, AND LEAD INSTALLATION APPROVED BY MUNICIPAL INSPECTORS BEFORE POURING SLABS, ENCLOSING PARTITIONS AND CEILING.

HENRY SCHEIN WILL NOT BE RESPONSIBLE FOR ANY UNFORESEEN CONDITIONS ARISING OUT OF, OR DURING THE COURSE OF, CONSTRUCTION NOR FOR ANY DEVIATIONS FROM DRAWINGS AND/OR SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT.

EQUIPMENT INSTALLATION
A PRE-CONSTRUCTION MEETING IS REQUIRED WITH THE GENERAL CONTRACTOR, PLUMBER, ELECTRICIAN, CABINET MAKER, AND THE E.S. ALL TEMPLATES CRITICAL TO EQUIPMENT INSTALLATION WILL BE DISTRIBUTED AT THIS MEETING.

THE E.S. WILL INSPECT PREMISES PRIOR TO THE INSTALLATION OF ITS EQUIPMENT AT WHICH TIME ALL FINISHES (CEILINGS, FLOORING, AND PAINTING) AND MECHANICAL WORK MUST BE COMPLETED. RESPONSIBILITIES FOR THE INSTALLATION AND/OR HOOKUP OF DENTAL EQUIPMENT WILL BE DEFINED IN THE SPECIFICATIONS FOR EACH TRADE. HENRY SCHEIN DENTAL REQUIRES THAT ALL APPLICABLE TRADES BE REPRESENTED AT THE TIME OF INSTALLATION.

4. GENERAL CONTRACTOR (G.C.) - RESPONSIBILITIES

ALL ITEMS LISTED OR NOTED HEREIN ARE FOR GUIDANCE ONLY AND DO NOT NECESSARILY CONSTITUTE THE ENTIRE EXTENT OF THE WORK TO BE CARRIED OUT UNDER THE CONTRACT. THE GENERAL CONTRACTOR IS RESPONSIBLE TO DEFINE AND PROVIDE ALL THE WORK REQUIRED TO COMPLETE THIS PROJECT TO THE TRUE INTENT OF THE CONTRACT WHETHER OR NOT IT IS SPECIFICALLY SHOWN OR SPECIFIED. WHERE THESE DOCUMENTS DO NOT PROVIDE ALL THE INFORMATION NECESSARY FOR THE COMPLETE INSTALLATION OF ANY ITEM, THEN THE MANUFACTURER'S INSTRUCTIONS FOR THE ITEM SHALL BE STRICTLY FOLLOWED.

THE GENERAL CONTRACTOR SHALL, SUPPLY AND INSTALL ALL ITEMS, ARTICLES, MATERIALS, INCLUDE ALL LABOR, EQUIPMENT AND TOOLS NECESSARY TO COMPLETE THIS PROJECT AND ALL SYSTEMS SHOWN. TEST AND VERIFY ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT AND INSTRUCT THE OWNER OR OWNER'S AGENT IN THE OPERATION OF THE EQUIPMENT.

THE G.C. SHALL THOROUGHLY FAMILIARIZE HIM/HERSELF WITH THE DRAWINGS, SPECIFICATIONS, AND CONDITIONS COVERING THIS JOB. THE G.C. SHALL ADVISE THE OWNER AND THE E.S. OF ANY CONFLICT BETWEEN THESE DRAWINGS AND THE FIELD CONDITIONS BEFORE PROCEEDING WITH THE WORK.

THE G.C. SHALL COMPLY WITH ALL STATE AND MUNICIPAL LAWS, ORDINANCES, RULES, AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION. ALL WORK MUST MEET OR EXCEED THE CURRENT BUILDING CODE UNDER THE JURISDICTION FOR WHICH THIS PROJECT IS LOCATED. THE G.C. SHALL FILE ALL NECESSARY APPLICATIONS AND OBTAIN AND PAY FOR ALL PERMITS, AND CERTIFICATES OF APPROVAL PERTAINING TO THE CONSTRUCTION OF THE PREMISES, INCLUDING THE FINAL INSPECTION FOR OCCUPANCY PERMIT, UNLESS OTHERWISE STATED. PERMITS OBTAINED SHALL INCLUDE THE CONNECTIONS TO ALL DENTAL EQUIPMENT AND FIXTURES WHICH ARE TO BE COMPLETED BY THE GENERAL CONTRACTOR. HVAC, SPRINKLER DRAWINGS, CORRESPONDING SPECIFICATIONS OR ANY OTHER DRAWINGS AND SPECIFICATIONS THAT MAY BE REQUIRED FOR LICENSES AND PERMITS ARE TO BE PROVIDED BY OTHERS. HENRY SCHEIN INC. WILL NOT PROVIDE OR PAY FOR THESE SERVICES OR ANY OTHER DRAWINGS AND SPECIFICATIONS THAT MAY BE REQUIRED FOR LICENSES AND PERMITS.

ALL MEASUREMENTS SHALL BE CHECKED AT THE JOB SITE. THE GENERAL CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR THE ACCURACY OF FIELD MEASUREMENTS AND CONDITIONS. THEY ARE ALSO RESPONSIBLE FOR THE PROPER MODIFICATIONS TO ANY EXISTING, OR PREVIOUSLY INSTALLED WORK, WRITTEN APPROVAL MUST BE OBTAINED FROM THE E.S. BEFORE ANY CHANGES AND/OR DEVIATIONS FROM DRAWINGS AND SPECIFICATIONS ARE MADE.

THE G.C. SHALL ASSUME FULL RESPONSIBILITY FOR THE EXECUTION OF HIS/HER WORK AND FOR ANY CHANGES AND/OR DEVIATIONS FROM DRAWINGS OR SPECIFICATIONS MADE WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER AND/OR THE E.S.. THE COST OF CORRECTIONS RESULTING FROM CHANGES AND/OR DEVIATIONS SHALL BE BORNE BY THE GENERAL CONTRACTOR.

A COMPLETE SET OF UP-TO-DATE DRAWINGS MUST BE KEPT AT THE JOB SITE AT ALL TIMES AND ANY CHANGES MUST BE NOTED THEREON AND INITIALED.

THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND THE OWNER'S AGENT FROM AND AGAINST ALL CLAIMS FOR DAMAGE TO PERSON AND/OR PROPERTY SUFFERED AS A RESULT OF THE PERFORMANCE OF WORK, WHETHER OR NOT, CAUSED BY NEGLIGENCE, AND PAY ANY EXPENSES (INCLUDING, WITHOUT LIMITATIONS, ATTORNEY'S FEES, AND DISBURSEMENTS) INCURRED IN THE CONNECTION THEREWITH.

OTHER REQUIREMENTS
THE G.C. SHALL PARTICIPATE AT JOB COORDINATION MEETINGS WITH THE HENRY SCHEIN REPRESENTATIVE AND ENSURE ATTENDANCE OF THE APPROPRIATE TRADES.

ALL TRADES SHALL DO THEIR OWN CUTTING. THE GENERAL CONTRACTOR SHALL DO ALL PATCHING TO CONFORM TO MATERIAL, TEXTURE, AND SURFACE ALIGNMENT WITH THE ADJOINING SURFACE AND FINAL TOUCH UP OF ALL FINISHED SURFACES.

THE GENERAL CONTRACTOR SHALL ENSURE THE PROTECTION OF ALL EQUIPMENT FURNISHED UNDER HIS/HER CONTRACT AND BY OTHERS.

THE G.C. SHALL REVIEW ALL CUSTOM CABINETRY, SUCH AT THE RECEPTION DESK, LABORATORY, AND STERILIZATION, WITH THE E.S. FOR ANY DENTAL EQUIPMENT INCOPRORATION.
THE G.C. SHALL REMOVE ANY RUBBISH FROM THE CONSTRUCTION SITE AND ENSURE THAT ALL PUBLIC SPACES ARE FREE OF CONSTRUCTION MATERIALS AND DEBRIS THROUGHOUT THE DURATION OF THE CONTRACT. THE G.C. IS RESPONSIBLE FOR THE TOTAL CLEAN UP OF THE JOB SITE UPON COMPLETION OF THEIR WORK.

THE GENERAL CONTRACTOR SHALL ISSUE A WRITTEN ONE-YEAR WARRANTY CERTIFICATE ON ALL WORKMANSHIP AND MATERIALS FROM THE DATE OF OCCUPANCY, UNLESS NOTED OTHERWISE IN THE CONSTRUCTION AGREEMENT BETWEEN THE OWNER AND THE G.C.. THIS CERTIFICATE SHALL BIND THE GENERAL CONTRACTOR TO PROMPTLY CORRECT, REPAIR, OR REPLACE, ANY DEFECTIVE EQUIPMENT OR WORKMANSHIP THAT WAS THE RESPONSIBILITY OF THE G.C., WITHOUT COST TO THE OWNER.

5. SEPARATE CONTRACTS BY OWNER

THE OWNER RESERVES THE RIGHT TO PERFORM WORK RELATED TO THE PROJECT WITH HIS/HER OWN FORCES, AND TO AWARD SEPARATE CONTRACTS IN CONNECTION WITH OTHER PORTIONS OF THE PROJECT OR ON OTHER WORK ON THE SITE UNDER THESE OR SIMILAR CONDITIONS OF CONTRACT. IF THE GENERAL CONTRACTOR CLAIMS THAT DELAY OR ADDITIONAL COST IS INVOLVED BECAUSE OF SUCH ACTION BY THE OWNER, THE G.C. MUST ENSURE THAT THEIR CLAIM WAS ORIGINALLY PART OF THEIR CONTRACT AGREEMENT.

THE G.C. SHALL AFFORD THE OWNER AND SEPARATE CONTRACTORS REASONABLE OPPORTUNITY FOR THE INTRODUCTION AND STORAGE OF THEIR MATERIALS AND EQUIPMENT AND THE EXECUTION OF THEIR WORK. THE G.C. SHALL CONNECT AND COORDINATE THEIR WORK WITH OTHERS AS REQUIRED BY THE CONTRACT DOCUMENTS. ANY COSTS CAUSED BY DEFECTIVE AND/OR ILL-TIME WORK SHALL BE BORNE BY THE PARTY RESPONSIBLE.

SEE OWNER OR OWNER'S AGENT FOR NON-DENTAL ITEMS AND AREAS NOT DETAILED IN THESE DRAWINGS (SUCH AS RECEPTION, BUSINESS AREA, OFFICES, STAFF LOUNGE, STORAGE ROOMS, OFFICE-WIDE SOUND SYSTEMS, CONTROLS, ETC.).

GENERAL NOTES

1. THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PRODUCED FOR THIS SPECIFIC PROJECT ONLY, AND SHALL REMAIN THE EXCLUSIVE PROPERTY OF HENRY SCHEIN INC. THESE DRAWINGS AND SPECIFICATIONS MAY NOT BE REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT EXPRESSED WRITTEN CONSENT AND FULL PAYMENT OF ANY ASSOCIATED FEES TO HENRY SCHEIN, INC.
2. ALL COMMUNICATIONS AND COORDINATION WITH TRADES SHALL BE THE RESPONSIBILITY OF THE G.C. UNLESS STATED OTHERWISE IN THE CONTRACT AGREEMENT.
3. THE G.C. MUST SIGN THIS SHEET STIPULATING THAT HE/SHE UNDERSTANDS AND WILL COMPLY WITH ALL SPECIFICATIONS BEFORE THE WORK WILL START. A SIGNED COPY OF THE PLANS ARE TO BE RETURNED TO THE OWNER AND HENRY SCHEIN DENTAL.
4. IT IS THE RESPONSIBILITY OF A SUBCONTRACTOR TO READ AND UNDERSTAND ALL NOTES AND ILLUSTRATIONS PERTAINING TO THEIR TRADE AND HOW THEIR WORK AFFECTS OTHER TRADES.
5. THE SUPPLY AND INSTALL OF THE CABINETS AND COUNTERTOPS, OTHER THAN THOSE SPECIFIED AND/OR CONTRACTED BY HENRY SCHEIN, INC., IS THE RESPONSIBILITY OF THE G.C..
6. THE OWNER SHALL MAKE ARRANGEMENTS FOR INSTALLATION OF NON-DENTAL SYSTEMS UNDER A SEPARATE CONTRACT BEFORE WALLS ARE ENCLOSED.
7. ROUGH-IN AND FINISH WORK FOR DENTAL EQUIPMENT IS TO BE ACCORDING TO TEMPLATES FURNISHED BY THE MANUFACTURERS OF EQUIPMENT BEING INSTALLED. THE E.S. WILL POSITION THE TEMPLATES IN THEIR PROPER LOCATIONS, AT WHICH TIME ALL SPECIFICATIONS ON THE PLANS WILL BE EXPLAINED TO THE GENERAL CONTRACTOR OR SUBCONTRACTOR(S). ALL SPECIFIED SIZES OF PIPES, TUBING, FITTINGS, ETC., AS WELL AS PROPER HEIGHTS MARKED, MUST BE STRICTLY FOLLOWED. ANY DEVIATIONS ON SIZES OR HEIGHTS OF PIPES, TUBING, AND/OR FITTINGS MUST BE CORRECTED BEFORE THE EQUIPMENT CAN BE INSTALLED, AND ANY SUCH EXTRA EXPENSE WILL BE THE RESPONSIBILITY OF G.C. AND/OR THE SUBTRADE.
8. THE G.C. SHALL SEAL ANY/ALL FLOOR AND FIRE PENETRATIONS MADE BY HENRY SCHEIN INSTALLERS AT THE FINISHING STAGES WITH THE APPROPRIATE MATERIAL.
9. THE G.C. SHALL PROVIDE DOOR THRESHOLDS & DOOR SEALS NECESSARY FOR DENTAL EQUIPMENT SOUND ATTENUATION.
10. THE GENERAL CONTRACTOR SHALL SUPPLY FASTENERS, ANCHORS, ACCESSORIES AND ADHESIVES REQUIRED FOR FABRICATION AND ERECTION OF THE WORK. KEEP EXPOSED FASTENERS TO A MINIMUM, NEATLY LAID OUT AND EVENLY SPACED. FLOOR FINISHES ARE TO BE CONTINUOUS UNDERNEATH MILLWORK AND EQUIPMENT. TRANSITIONS AND VARIATIONS BETWEEN FLOOR FINISHES TO BE SMOOTH AND LEVEL TO REDUCE INJURY WITH USE. PROVIDE 3/4" (19MM) PLYWOOD SUPPORT BETWEEN STUDS FOR ALL WALLS TO SUPPORT UPPER CABINETRY AND SHELVING, INCLUDING RECEPTION AND ALL TREATMENT ROOMS. WOOD SUPPORTS ABOVE THE CEILING MAY NEED TO BE FIRE RATED, FOLLOW LOCAL CODES.
11. PRIOR TO POURING THE CONCRETE FLOOR AND ENCLOSING ALL WALLS, THE GENERAL CONTRACTOR SHALL CONTACT THE E.S. AND INSTALLATION TECHNICIAN FOR FINAL INSPECTION OF PLUMBING, ELECTRICAL AND WOOD SUPPORTS.
12. ALL LABOR AND MATERIAL NECESSARY FOR CHANGES IN EXISTING PLUMBING, CARPENTRY, AND ELECTRICAL WORK MUST BE DONE AND SUPPLIED BY THE GENERAL CONTRACTOR AND IS NOT INCLUDED IN THE COST OF EQUIPMENT.
13. ALL PLUMBING AND ELECTRICAL LINES ARE TO BE CONCEALED UNLESS OTHERWISE SPECIFIED.
14. THE ELECTRICAL PANEL SHALL BE CONVENIENT AND ACCESSIBLE, MEET ELECTRICAL CODE REQUIREMENTS, AND BE LOCATED IN THE SUITE. LOCATION TO BE APPROVED BY THE OWNER AND LANDLORD. THE G.C. SHALL REVIEW THE LOCATION WITH THE E.S., AS WELL AS THE LOCATIONS OF THE TELEPHONE SYSTEM AND SERVER.
15. HENRY SCHEIN, INC. SHALL NOT BE HELD RESPONSIBLE FOR SUPPLYING UL/ULC OR CSA APPROVAL CERTIFICATES. THE G.C. MAY CONTACT THE MANUFACTURER IF REQUIRED.
16. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE SPECIFIED TERMINATION BOXES, RECEPTACLES AND ANY HARDWIRE CIRCUITS LOCATED IN CUSTOM DENTAL CABINETRY. THEY ARE ALSO RESPONSIBLE FOR SUPPLYING GFCI RECEPTACLES WHERE REQUIRED BY CODE.
17. THE G.C. IS TO MAKE ARRANGEMENTS FOR TEMPORARY POWER AND/OR DISCONNECTION OF ELECTRICAL AND MECHANICAL SYSTEMS IF AND WHEN REQUIRED.
18. IF MULTIMEDIA SYSTEMS, SUCH AS ENTERTAINMENT TVS, MONITORS, OR NETWORK COMPUTER SYSTEMS, OR SECURITY SYSTEMS ARE SUPPLIED AND INSTALLED BY HENRY SCHEIN, INC., THEN THESE SYSTEMS WILL BE THEIR RESPONSIBILITY. WHEN THESE SYSTEMS, OR OTHER SYSTEMS, ARE NOT PROVIDED BY HENRY SCHEIN, INC., HENRY SCHEIN, INC. SHALL NOT BE HELD RESPONSIBLE FOR THEIR INSTALLATION OR COMMISSIONING.
19. HENRY SCHEIN, INC. WILL ASSEMBLE EQUIPMENT AND, WHERE SPECIFIED WITHIN THESE DRAWINGS, CONNECT TO UTILITIES PROVIDED, SUCH CONNECTIONS BY OTHER TRADES ARE SUPPLIED CORRECTLY AND COMPLETELY (WITH PROPER SHUT-OFF VALVES/FITTINGS/ OUTLETS/TERMINATIONS). VERIFY ALL CONTRACTOR RESPONSIBILITIES FOR FINAL CONNECTIONS WITH THESE DRAWINGS AND HENRY SCHEIN DENTAL E.S.. DIRECT ANY QUESTIONS REGARDING CONTRACTOR RESPONSIBILITIES TO HENRY SCHEIN DENTAL E.S. PRIOR TO CONSTRUCTION.
20. WHEN APPLICABLE, THE G.C. SHALL BE RESPONSIBLE FOR PROCURING A PLUMBING SUB-CONTRACTOR THAT IS CERTIFIED TO INSTALL NITROUS OXIDE–OXYGEN CONSCIOUS SEDATION SYSTEMS AS DETAILED IN THESE PLANS. HENRY SCHEIN DENTAL IS A NITROUS OXIDE SYSTEM END USER COMPONENT SUPPLIER AND DOES NOT MANUFACTURE OR DESIGN ANY OF THESE SYSTEMS. ANY SYSTEM DESIGN SHOWN ON THESE PLANS BY HENRY SCHEIN DENTAL IS TO BE USED AS AN ILLUSTRATION ONLY FOR THE PURPOSE OF LOCATING END USER OUTLET STATIONS. CYLINDER ROOM MANIFOLD, AND ALARM PANEL. THE FINAL TRUNK SYSTEM INSTALLATION SHALL ADHERE TO THE MECHANICAL ENGINEERING DRAWINGS PREPARED BY A THIRD PARTY.
21. PLUMBING SUBCONTRACTOR SHALL PROVIDE GAS CERTIFICATION CREDENTIALS IN ACCORDANCE WITH ANY REQUESTS BY THE OWNER, GENERAL CONTRACTOR, BUILDING DEPARTMENT, OR HENRY SCHEIN DENTAL PRIOR TO COMMENCING WORK IF ANY TYPE OF NITROUS–OXIDE SYSTEM IS BEING INCORPORATED INTO THE PROJECT.

PRIOR TO POURING THE CONCRETE FLOOR AND ENCLOSING ALL WALLS AND CEILINGS, THE GENERAL CONTRACTOR SHALL CONTACT THE E.S. AND INSTALLATION TECHNICIAN FOR FINAL INSPECTION OF PLUMBING, ELECTRICAL AND WOOD SUPPORTS.

EQUIPMENT SPECIALIST (E.S.): LUKE MATZ **TELEPHONE:** (574) 274-3474

INSTALLATION TECHNICIAN: _____ **TELEPHONE:** _____

SHEET INDEX

SHEET	TITLE
SCV	COVER SHEET
SA.0	DENTAL EQUIPMENT FLOOR PLAN
SA.1	DENTAL DIMENSION & REINFORCEMENT PLAN
SP.1	DENTAL PLUMBING SPECIFICATIONS
SE.1	DENTAL ELECTRICAL SPECIFICATIONS
SED.1	DENTAL EQUIPMENT DETAILS
SED.2	DENTAL EQUIPMENT DETAILS

HENRY SCHEIN®
INTEGRATED DESIGN STUDIO
16515 BELOIT RD., NEW BERLIN, WI 53151
henryscheinintegrateddesign.com

PROJECT: **MISSOURI CENTER FOR ORAL SURGERY**
LOCATION: WENTZVILLE PARKWAY WENTZVILLE, MO

HENRY SCHEIN REP: LUKE MATZ
REGION: MISSOURI
PHONE #: (574) 274-3474

-IMPORTANT NOTE-
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PROJECT NUMBER: 24-2042
PROJECT START DATE: 10/30/2024
FINALS START DATE: 03/27/2025
DRAWN BY: ARCH.
FINALS BY: TAS
CHECKED BY: CAM

REVISIONS:

03/19/2025	TLT
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INT.SQ.FT.= PER ARCH.
SCALE: N/A
SHT. SIZE: 24 x 36

COVER SHEET

SCV

P:\ ALL REGIONS\MO Missouri\Wentzville Parkway Dental\Wentzville Parkway 1G-D

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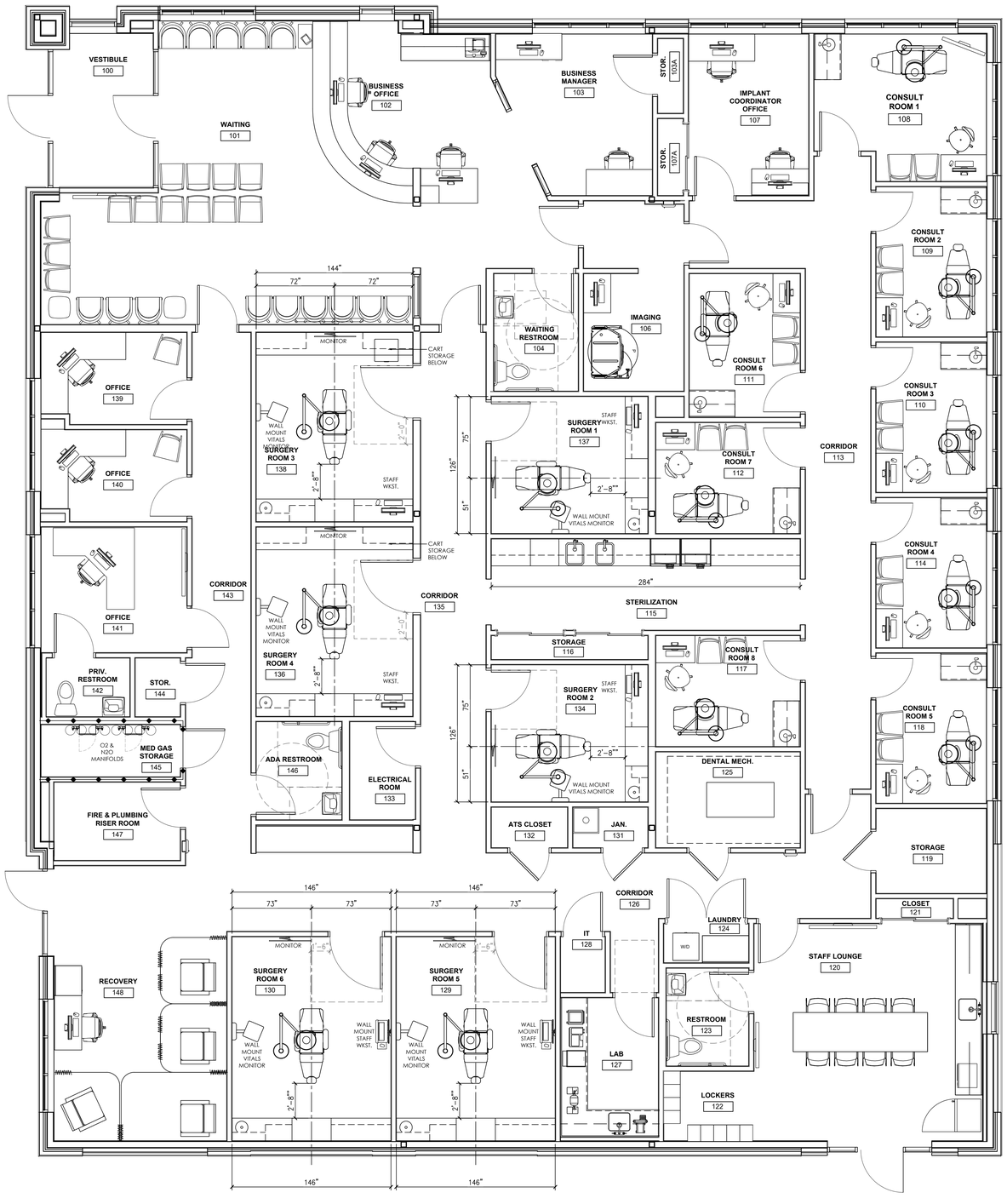

PROPOSED FLOOR PLAN

1/4"=1'-0"

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henryscheinintegrateddesign.com

PROJECT:
MISSOURI CENTER FOR ORAL SURGERY

LOCATION:
WENTZVILLE PARKWAY
WENTZVILLE, MO

HENRY SCHEIN REP:
LUKE MATZ

REGION:
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INT.SQ.FT.= PER ARCH.

SCALE: 1/4"=1'-0"
SHT. SIZE: 42 x 30

FLOOR PLAN

SA.0

P:_ALL REGIONS\MO Missouri\Wentzville Parkway Dental\Wentzville Parkway-1G-F

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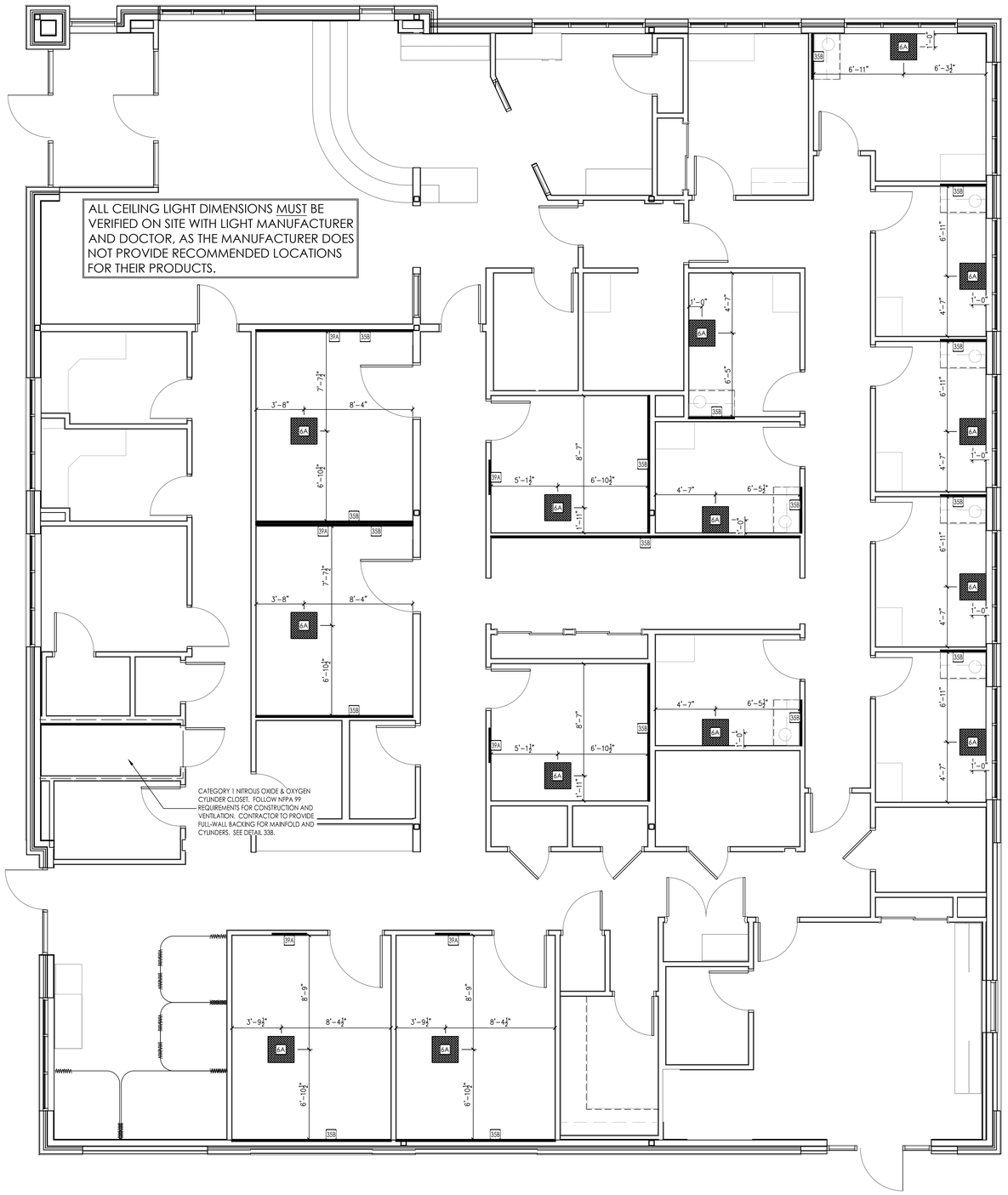


DIMENSIONS & REINFORCEMENT SPECIFICATIONS

1/4"=1'-0"

REINFORCEMENT SPECIFICATIONS

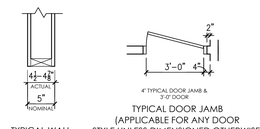
QUANTITY	SPEC. NUMBER	DESCRIPTION	DETAIL
		PLEASE NOTE: A LICENSED CONTRACTOR IS RESPONSIBLE FOR PROVIDING EQUIPMENT BLOCKING. ALL REQUIREMENTS TO BE VERIFIED BY MANUFACTURER'S SPEC SHEETS PROVIDED BY HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. MANUFACTURER'S SPECS SUPERSEDE ANY AND ALL INFORMATION CONTAINED HEREIN.	
14	6A	DENTAL CEILING LIGHT - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. BLOCKING AND ELECTRICAL BY CONTRACTOR(S).	6A
17	33B	BLOCKING - UPPER SUPPORT - CONTRACTOR TO SUPPLY AND INSTALL BACKING FOR WALL MOUNTED DENTAL UNITS & WALL HUNG CABINETS. SEE HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST FOR EXACT LOCATION.	33B
6	39A	WALL MOUNTED MONITOR - BLOCKING AND ELECTRICAL BY CONTRACTOR(S). EXACT LOCATION PER OWNER AND HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST.	39A

GENERAL NOTES

1. THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN. THE FLOOR PLANS ENCLOSED HEREIN ARE SUGGESTIONS FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR CONSTRUCTION.

2. VERIFY ALL DIMENSIONS WITH HENRY SCHEIN DENTAL REP. ON JOBSITE. ON SITE MODIFICATIONS MAY NEED TO BE DONE BY CONTRACTOR, BUT SHOULD BE VERIFIED BY ALL PARTIES INVOLVED.

3. 5/8" GYPSUM WALLBOARD IS RECOMMENDED THROUGHOUT THE OFFICE TO PROVIDE SOUND ATTENUATION & ADDITIONAL PROTECTION AGAINST X-RAY SCATTER RADIATION.



TYPICAL WALL

TYPICAL DOOR JAMB (APPLICABLE FOR ANY DOOR STYLE UNLESS DIMENSIONED OTHERWISE)

WALL LEGEND

NEW REINFORCEMENT PLACED FOR WALL-MOUNTED EQUIPMENT. SEE "REINFORCEMENT SPECIFICATION SCHEDULE" FOR MORE INFORMATION.

NEW REINFORCEMENT PLACED FOR CEILING-MOUNTED EQUIPMENT. SEE "REINFORCEMENT SPECIFICATION SCHEDULE" FOR MORE INFORMATION.

SEE SHEETS SED.1 & SED.2 FOR DENTAL EQUIPMENT DETAILS

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LOCATION: WENTZVILLE PARKWAY WENTZVILLE, MO

HENRY SCHEIN REP: LUKE MATZ

REGION: MISSOURI

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FINALS BY: TAS
CHECKED BY: CAM

REVISIONS:

03/19/2025	TLT
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INT.SQ.FT.= PER ARCH.

SCALE: 1/4"=1'-0" | SHT. SIZE: 42 x 30

REINFORCEMENT PLAN

SA.1

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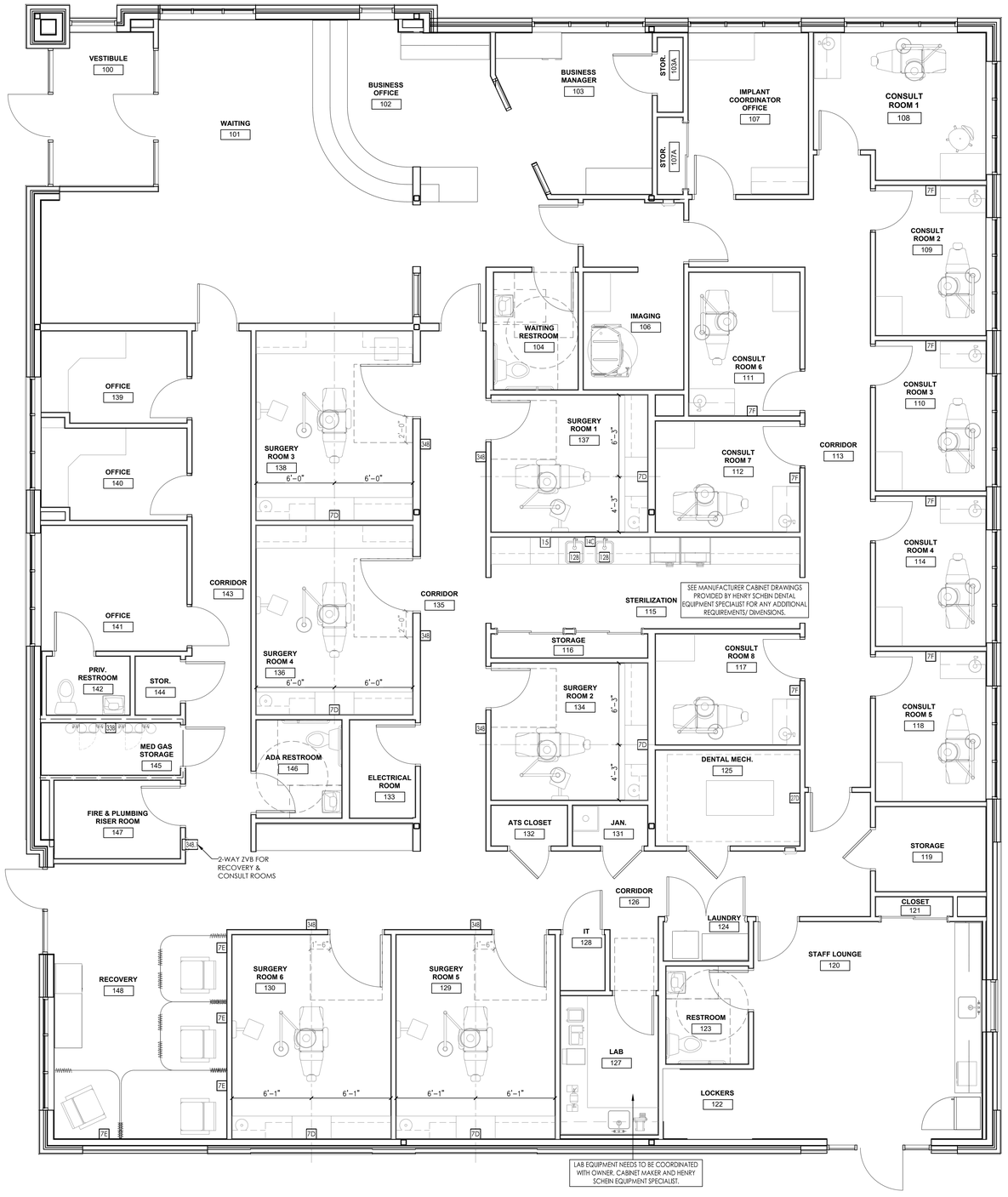
P:_ALL REGIONS\MO Missouri\Wentzville Parkway Dental\Wentzville Parkway-1G-F



PROPOSED PLUMBING PLAN

1/4"=1'-0"

CATEGORY 1 MEDICAL GAS & MEDICAL VACUUM SYSTEM NOTES

1. MEDICAL GAS OUTLETS INSTALLED IN ROOMS WHERE DEEP SEDATION OR GENERAL ANESTHESIA ARE ADMINISTERED, ALONG WITH THE CORRESPONDING SYSTEMS THAT SUPPLY THEM, MUST COMPLY WITH THE CODES GOVERNING CATEGORY 1 MEDICAL GAS SYSTEMS AS OUTLINED IN THE LOCALLY ADOPTED VERSION OF NFPA 99.

2. MEDICAL GAS OUTLETS/TERMINATIONS IN ROOMS WHERE MINIMAL TO MODERATE SEDATION IS BEING ADMINISTERED MUST COMPLY WITH THE CODES GOVERNING THESE SYSTEMS AS OUTLINED IN THE LOCALLY ADOPTED VERSION OF NFPA 99. WHERE APPLICABLE, THESE COMPONENTS MAY TIE INTO THE CATEGORY 1 MEDICAL GAS SYSTEMS REFERENCED IN NOTE 1.

3. THE MEDICAL VACUUM SYSTEM (27D) SHALL ONLY SUPPLY SURGICAL SUCTION AND/OR GAS SCAVENGING FOR ROOMS WHERE CATEGORY 1 MEDICAL GAS OUTLETS ARE SPECIFIED (7D, 7E, ETC.). WHERE APPLICABLE, ANY DENTAL VACUUM LINES NOT DESIGNATED AS MEDICAL CONNECT TO THE THE DENTAL VACUUM SYSTEM (26, 27).

ALL NOTES, SPECIFICATIONS, AND DETAILS REFERENCING MEDICAL GAS AND MEDICAL VACUUM SYSTEMS APPROVED FOR USE IN AREAS WHERE DEEP SEDATION OR GENERAL ANESTHESIA ARE PERFORMED ARE FOR ILLUSTRATIVE AND INFORMATIONAL PURPOSES ONLY. IT IS THE ARCHITECT'S RESPONSIBILITY TO ENSURE THAT ALL APPLICABLE CODE REQUIREMENTS ARE MET, REGARDLESS OF THE INFORMATION PROVIDED IN THIS DOCUMENT.

PLUMBING NOTES

1. THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN. THE FLOOR PLANS ENCLOSED HEREIN ARE SUGGESTIONS FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR CONSTRUCTION.

2. EXACT EQUIPMENT LOCATIONS MUST BE JOB SITE VERIFIED BY THE HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST.

3. FOLLOW MANUFACTURER'S TEMPLATES FOR EXACT REQUIREMENTS FOR ANY EQUIPMENT SUPPLIED BY HENRY SCHEIN DENTAL. CONSULT WITH HENRY SCHEIN DENTAL REP FOR ADDITIONAL INFORMATION.

4. DENTAL AIR IS SUPPLIED THROUGH USE OF A DENTAL AIR COMPRESSOR/SUPPLY SYSTEM AND IS PERMITTED TO BE USED AS A SUPPORT GAS FOR DRIVING DENTAL TOOLS AND SUPPLYING AIR-DRIVEN EQUIPMENT AS DESCRIBED WITHIN NFPA 99. DENTAL AIR IS NOT A MEDICAL GAS.

5. WATER PRESSURE MUST NOT EXCEED 50 PSI AT ALL DENTAL UNITS.

6. ALL PLUMBING MUST CONFORM TO LOCAL PREVAILING CODES.

7. REFER TO ARCHITECT'S DRAWINGS FOR PLUMBING REQUIREMENTS IN ALL AREAS NOT INDICATED ON THIS PLAN.

ALL DIMENSIONS NOTED ON PLAN ARE TO THE CENTERLINE OF PLUMBING OR UTILITY CENTER (UNLESS SHOWN OTHERWISE)

SEE SHEETS SED.1 & SED.2 FOR DENTAL EQUIPMENT DETAILS

PLUMBING SPECIFICATIONS

PLEASE NOTE: A LICENSED PLUMBING CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED UTILITIES. ALL REQUIREMENTS TO BE VERIFIED BY MANUFACTURER'S SPEC SHEETS PROVIDED BY HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. MANUFACTURER'S SPECS SUPERSEDE ANY AND ALL INFORMATION CONTAINED HEREIN.

QUANTITY	SPEC. NUMBER	DESCRIPTION	UTILITIES: COLD WATER	HOT WATER	DRAIN	DENTAL AIR	DENTAL VAC/SCRM	NATURAL GAS	NITROUS OXIDE	OXYGEN	NITROGEN	MEDICAL AIR	MEDICAL VACUUM	WAGD	VENT	DETAIL
6	7D	CATEGORY 1 N2O, O2, (2) MEDICAL VAC & WAGD GAS OUTLETS – OUTLETS PROVIDED BY HENRY SCHEIN DENTAL. 1/2" ASTM B-819 TYPE K OR L BRAZED COPPER N2O, & O2 GAS LINES, ¾" FOR MEDICAL VAC & WAGD. SUPPLIED AND INSTALLED BY ASSE 6010 CERTIFIED INSTALLER. ALL ASPECTS OF SYSTEM MUST CONFORM WITH THE CURRENTLY ACCEPTED VERSION OF NFPA 99 CODES RELATING TO CATEGORY 1 DENTAL OFFICES. SEE DETAILS & MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.							•	•			2	•		7D
4	7E	CATEGORY 1 O2 & MEDICAL VAC GAS OUTLETS – OUTLETS PROVIDED BY HENRY SCHEIN DENTAL. 1/2" ASTM B-819 TYPE K OR L BRAZED COPPER O2 GAS LINE, ¾" VAC LINE SUPPLIED AND INSTALLED BY ASSE 6010 CERTIFIED INSTALLER. ALL ASPECTS OF SYSTEM MUST CONFORM WITH THE CURRENTLY ACCEPTED VERSION OF NFPA 99 CODES RELATING TO CATEGORY 1 DENTAL OFFICES. SEE DETAILS & MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.								•			•			7E
7	7F	CATEGORY 1 MEDICAL VAC GAS OUTLET – OUTLET PROVIDED BY HENRY SCHEIN DENTAL. ¾" VAC LINE SUPPLIED AND INSTALLED BY ASSE 6010 CERTIFIED INSTALLER. ALL ASPECTS OF SYSTEM MUST CONFORM WITH THE CURRENTLY ACCEPTED VERSION OF NFPA 99 CODES RELATING TO CATEGORY 1 DENTAL OFFICES. SEE DETAILS & MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.											•			7F
2	12B	WATER POWERED TAP MASTER FAUCET CONTROL - FROM (12B) TO (11) OR (11A). SUPPLIED BY HENRY SCHEIN DENTAL. INSTALLED BY PLUMBER.														12B
1	14C	MODULAR STERILIZATION CENTER - STERI-CENTER SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. CONTRACTOR TO PROVIDE UTILITIES PER MANUFACTURER'S SPECIFICATIONS. EXACT LOCATIONS TO BE CONFIRMED ON-SITE BY HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. FINAL CONNECTIONS BY CONTRACTOR(S).	•	•	•										•		14C
1	15	ULTRASONIC CLEANER - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. UTILITIES BY CONTRACTOR(S).		•													15
1	27D	MEDICAL VACUUM SYSTEM - SUPPLIED BY HENRY SCHEIN DENTAL. ¾" VACUUM LINE (ASTM B-819 TYPE L OR K COPPER) FROM VACUUM OUT TO ZONE VALVE (34B) THEN ON TO (7D, 7E) LOCATIONS INDICATED ON PLAN BY ASSE 6010 CERTIFIED INSTALLER. COPPER EXHAUST LINE (TYPE K OR L) TO OUTSIDE. SIZE OF VACUUM & EXHAUST LINES BASED ON LENGTH OF RUN PER MANUFACTURER SPECIFICATIONS. 230V POWER FEED SUPPLIED BY ELECTRICIAN FROM THE EQUIPMENT BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER). FINAL CONNECTIONS BY LICENSED INSTALLERS. SEE DETAILS AND MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.			•								•		•	27D
1	33B	CATEGORY 1 NITROUS OXIDE & OXYGEN MEDICAL GAS SYSTEM/MANIFOLD – MANIFOLD SUPPLIED BY HENRY SCHEIN DENTAL. INSTALLED BY ASSE 6010 CERTIFIED INSTALLER. ½" ASTM B-819 TYPE K OR L BRAZED COPPER GAS LINES TO THE MED-GAS ZONE VALVE (34B) THEN TO ALL (7), (7A), (7B), (7C), (7D) AND/OR (7E) LOCATIONS ON SHEET SP.1. POWER MUST BE SUPPLIED FROM THE EQUIPMENT BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM. ALL ASPECTS OF SYSTEM & CYLINDER CLOSET MUST FOLLOW NFPA 99 CODES FOR CATEGORY 1 DENTAL OFFICES. SEE DETAILS & MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.							•	•				•	33B
6	34B	CATEGORY 1 MEDICAL GAS SYSTEM ZONE VALVE BOX (N2O, O2 & VAC) – BOX SUPPLIED BY HENRY SCHEIN DENTAL. GAS LINE CONNECTIONS & SIGNAL WIRING BACK TO ALARM BY ASSE 6010 CERTIFIED INSTALLER. ALL ASPECTS OF SYSTEM & CYLINDER CLOSET MUST FOLLOW NFPA 99 CODES FOR CATEGORY 1 DENTAL OFFICES. SEE DETAILS & MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.							•	•		•			34B
1	34B.1	CATEGORY 1 MEDICAL GAS SYSTEM ZONE VALVE BOX (O2 & VAC) – BOX SUPPLIED BY HENRY SCHEIN DENTAL. GAS LINE CONNECTIONS & SIGNAL WIRING BACK TO ALARM BY ASSE 6010 CERTIFIED INSTALLER. ALL ASPECTS OF SYSTEM & CYLINDER CLOSET MUST FOLLOW NFPA 99 CODES FOR CATEGORY 1 DENTAL OFFICES. SEE DETAILS & MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.								•		•			34B.1

HENRY SCHEIN®
INTEGRATED DESIGN STUDIO
1615 BELOIT RD., NEW BERLIN, WI 53151
henryscheinintegrateddesign.com

PROJECT: **MISSOURI CENTER FOR ORAL SURGERY**

LOCATION: WENTZVILLE PARKWAY WENTZVILLE, MO

HENRY SCHEIN REP: LUKE MATZ

REGION: MISSOURI

PHONE #: (574) 274-3474

-IMPORTANT NOTE-
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PROJECT NUMBER: 24-2042

PROJECT START DATE: 10/30/2024

FINALS START DATE: 03/27/2025

DRAWN BY: ARCH.
FINALS BY: TAS
CHECKED BY: CAM

REVISIONS:

03/19/2025	TLT
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INT.SQ.FT.= PER ARCH.

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

SHT. SIZE: 42 x 30

DENTAL PLUMBING PLAN

SP.1

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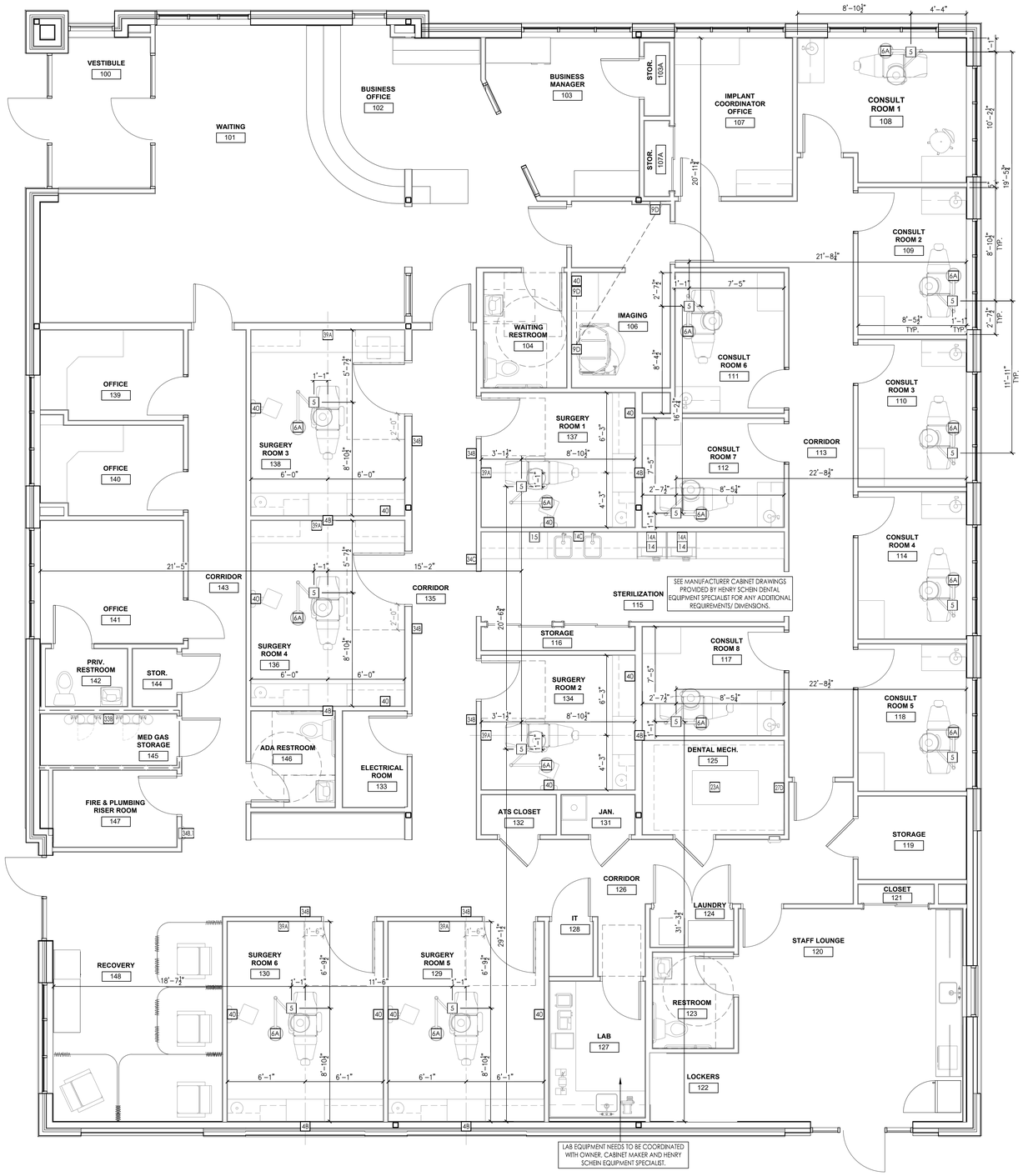
P:_ALL REGIONS\MO Missouri\Wentzville Parkway Dental\Wentzville Parkway-1G-F



PROPOSED ELECTRICAL PLAN

1/4"=1'-0"

ELECTRICAL NOTES

1. THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN. THE FLOOR PLANS ENCLOSED HEREIN ARE SUGGESTIONS FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR CONSTRUCTION.

2. EXACT EQUIPMENT LOCATIONS MUST BE JOB SITE VERIFIED BY THE HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST.

3. FOLLOW MANUFACTURER'S TEMPLATES FOR EXACT REQUIREMENTS FOR ANY EQUIPMENT SUPPLIED BY HENRY SCHEIN DENTAL. CONSULT WITH HENRY SCHEIN DENTAL REP FOR ADDITIONAL INFORMATION.

4. GFCI PROTECTION OR REDUNDANT GROUND IN DENTAL CHAIR RECEPTACLES, DENTAL UTILITY CABINETS AND ANY OTHER AREAS REQUIRED BY LOCAL CODE IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

5. ADDITIONAL CONVENIENCE OUTLETS REQUIRED ON JOBSITE ARE THE RESPONSIBILITY OF ELECTRICAL CONTRACTORS. FOLLOW LOCAL CODE RESTRICTIONS.

6. ALL CONDUIT LOCATIONS SHOULD BE VERIFIED WITH OWNER AND HENRY SCHEIN REP PRIOR TO ROUGH-IN.

7. ALL COMPUTER NETWORKING AND WORKSTATIONS MUST BE SPECIFIED BY CUSTOMER'S COMPUTER SUPPLIER. IF HENRY SCHEIN WILL BE SUPPLYING THE COMPUTERS & NETWORKING COMPONENTS, SEE SHEET SE.2 FOR THE OFFICE TECHNOLOGY PLAN.

8. CONTRACTOR TO PROVIDE AND INSTALL ALL EXIT SIGNS, EMERGENCY LIGHTING AND FIRE SUPPRESSION & DETECTION SYSTEMS AS PER ARCHITECT'S DRAWINGS AND LOCAL CODE.

9. REFER TO ARCHITECT'S DRAWINGS FOR ELECTRICAL REQUIREMENTS IN ALL AREAS NOT INDICATED ON THIS PLAN.

ALL DIMENSIONS NOTED ON PLAN ARE TO THE CENTERLINE OF RECEPTACLE OR UTILITY CENTER (UNLESS SHOWN OTHERWISE)

*SPECIFICATIONS MAY INCLUDE DATA, SEE ELECTRICAL SCHEDULE THIS SHEET

SEE SHEETS SED.1 & SED.2 FOR DENTAL EQUIPMENT DETAILS

ELECTRICAL SPECIFICATIONS

PLEASE NOTE: A LICENSED ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED UTILITIES. ALL REQUIREMENTS TO BE VERIFIED BY MANUFACTURER'S SPEC SHEETS PROVIDED BY HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. MANUFACTURER'S SPECS SUPERSEDE ANY AND ALL INFORMATION CONTAINED HEREIN.

QUANTITY	SPEC. NUMBER	DESCRIPTION	UTILITIES: POWER	DEDICATED CIRCUIT	LOW VOLTAGE CONTROL	DATA DROP	DETAIL
6	4B	2" VERTICAL CONDUIT - VERTICAL CONDUIT WITH PULL-STRING SUPPLIED AND INSTALLED BY ELECTRICIAN. RUN FROM ABOVE CEILING DOWN TO SINGLE-GANG MUD RING OR BOX AT SILL PLATE.					4B
14	5	DENTAL CHAIR OUTLET - SUPPLIED & INSTALLED BY ELECTRICIAN.	115V				5
14	6A	DENTAL CEILING LIGHT - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. BLOCKING AND ELECTRICAL BY CONTRACTOR(S).	115V				6A
3	9D	I-CAT CONE BEAM UNIT, CONTROL BOX & WORKSTATION - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. ELECTRICIAN TO SUPPLY AND INSTALL POWER REQUIREMENTS AND 1.5" PIPE CHASE WITH PULL-STRING BETWEEN I-CAT AND CONTROL BOX IN HALL & 1" PIPE CHASE BETWEEN I-CAT AND WORKSTATION. SEE DETAIL.	115V	20A	•		9D
2	14	STERILIZER (SINGLE CASSETTE) - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. POWER BY ELECTRICIAN.	115V	20A	•		14A
2	14A	STERILIZER (AUTOCLAVE) - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. POWER BY ELECTRICIAN.	115V	20A	•		14A
1	14C	MODULAR STERILIZATION CENTER - STERI-CENTER SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. CONTRACTOR TO PROVIDE UTILITIES PER MANUFACTURER'S SPECIFICATIONS. EXACT LOCATIONS TO BE CONFIRMED ON-SITE BY HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. FINAL CONNECTIONS BY CONTRACTOR(S).	SEE MFR. SPECS	•			
1	15	ULTRASONIC CLEANER - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. UTILITIES BY CONTRACTOR(S).	115V				15
1	23A	EXHAUST FAN FOR DENTAL MECHANICAL CLOSET - SUPPLIED AND INSTALLED BY CONTRACTOR. A THERMOSTAT CONTROLLED FAN IS REQUIRED TO KEEP ROOM TEMPERATURE WITHIN THE EQUIPMENT MANUFACTURER'S RECOMMENDED OPERATING TEMPERATURE RANGE. FAN OUTPUT (CFM) TO BE DETERMINED BY ARCHITECT/ENGINEER. VENT TO OUTSIDE.	115V	•			
1	27D	MEDICAL VACUUM SYSTEM - SUPPLIED BY HENRY SCHEIN DENTAL. ¾" VACUUM LINE (ASTM B-819 TYPE L OR K COPPER) FROM VACUUM OUT TO ZONE VALVE (34B) THEN ON TO (7D, 7E) LOCATIONS INDICATED ON PLAN BY ASSE 6010 CERTIFIED INSTALLER. COPPER EXHAUST LINE (TYPE K OR L) TO OUTSIDE. SIZE OF VACUUM & EXHAUST LINES BASED ON LENGTH OF RUN PER MANUFACTURER SPECIFICATIONS. 230V POWER FEED SUPPLIED BY ELECTRICIAN FROM THE EQUIPMENT BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER). FINAL CONNECTIONS BY LICENSED INSTALLERS. SEE DETAILS AND MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.	230V 3-PHASE EES*	20A	•		27D
1	33B	CATEGORY 1 NITROUS OXIDE & OXYGEN MEDICAL GAS SYSTEM/MANIFOLD – MANIFOLD SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY ASSE 6010 CERTIFIED INSTALLER. ½" ASTM B-819 TYPE K OR L BRAZED COPPER GAS LINES TO THE MED-GAS ZONE VALVE (34B) THEN TO ALL (7), (7A), (7B), (7C), (7D) AND/OR (7E) LOCATIONS ON SHEET SP.1. POWER MUST BE SUPPLIED FROM THE EQUIPMENT BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM. ALL ASPECTS OF SYSTEM & CYLINDER CLOSET MUST FOLLOW NFPA 99 CODES FOR CATEGORY 1 DENTAL OFFICES. SEE DETAILS & MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.	115V EES*	(2) 20A	•		33B
6	34B	CATEGORY 1 MEDICAL GAS SYSTEM ZONE VALVE BOX (N2O, O2 & VAC) – BOX SUPPLIED BY HENRY SCHEIN DENTAL. GAS LINE CONNECTIONS & SIGNAL WIRING BACK TO ALARM BY ASSE 6010 CERTIFIED INSTALLER. ALL ASPECTS OF SYSTEM & CYLINDER CLOSET MUST FOLLOW NFPA 99 CODES FOR CATEGORY 1 DENTAL OFFICES. SEE DETAILS & MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.			•		34B
1	34B.1	CATEGORY 1 MEDICAL GAS SYSTEM ZONE VALVE BOX (O2 & VAC) – BOX SUPPLIED BY HENRY SCHEIN DENTAL. GAS LINE CONNECTIONS & SIGNAL WIRING BACK TO ALARM BY ASSE 6010 CERTIFIED INSTALLER. ALL ASPECTS OF SYSTEM & CYLINDER CLOSET MUST FOLLOW NFPA 99 CODES FOR CATEGORY 1 DENTAL OFFICES. SEE DETAILS & MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION.			•		34B.1
1	34C	CATEGORY 1 MEDICAL GAS ALARM PANEL – ALARM SUPPLIED BY HENRY SCHEIN DENTAL. ASSE 6010 CERTIFIED INSTALLER SHALL PROVIDE AND ALL SIGNAL WIRING FROM ALL SENSORS AT ZONE VALVE (34B) TO THE ALARM PANEL. 115V POWER FEED SUPPLIED BY ELECTRICIAN FROM THE EQUIPMENT BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER). CONDUIT AND OTHER PROTECTIONS FOR ALARM WIRING SHALL BE USED AS REQUIRED BY NFPA 70.	115V EES*	20A	•		34C
6	39A	WALL MOUNTED MONITOR - BLOCKING AND ELECTRICAL BY CONTRACTOR(S). EXACT LOCATION PER OWNER AND HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST.	SEE MFG. SPECS				39A
13	40	COMPUTER CIRCUIT - DUPLEX OUTLET & DATA DROP PROVIDED BY ELECTRICIAN. 1-4 OUTLETS PER DEDICATED CIRCUIT. HEIGHT SPECIFIED BY HENRY SCHEIN EQUIPMENT REP OR AS NOTED.	115V	20A	•		

*POWER FEED SUPPLIED BY ELECTRICIAN FROM THE EQUIPMENT BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER).

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FINALS BY: TAS
CHECKED BY: CAM

REVISIONS:

03/19/2025	TLT
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INT.SQ.FT.= PER ARCH.

SCALE: 1/4"=1'-0" | SHT. SIZE: 42 x 30

DENTAL ELECTRICAL PLAN

SE.1

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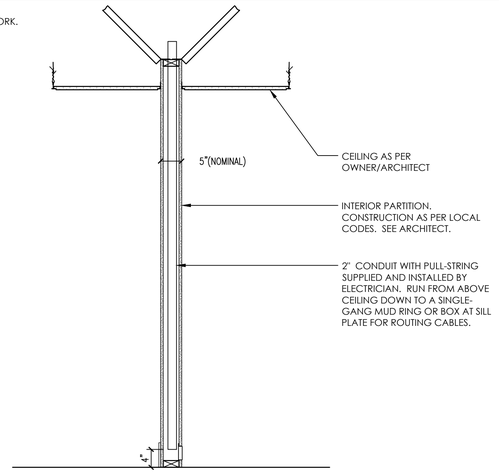
P:_ALL REGIONS\MO Missouri\Wentzville Parkway Dental\Wentzville Parkway-10-F

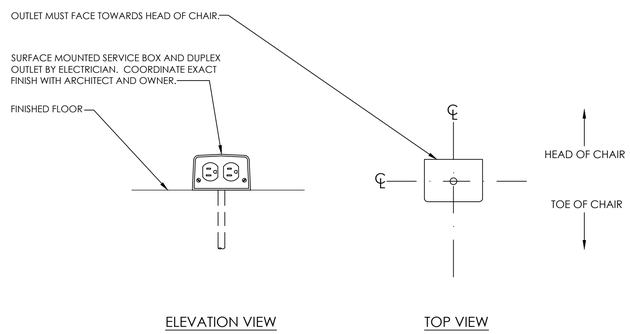
FOLLOW LOCAL CODES FOR ALL WORK.



4B VERTICAL CONDUIT

NOT TO SCALE

NOTES:
1. INSTALLATION MUST CONFORM TO ALL LOCAL ELECTRICAL CODES.
2. ALL UTILITIES HEREIN TO BE SUPPLIED & INSTALLED BY LICENSED CONTRACTORS. FINAL CONNECTIONS TO EQUIPMENT BY HENRY SCHEIN DENTAL.



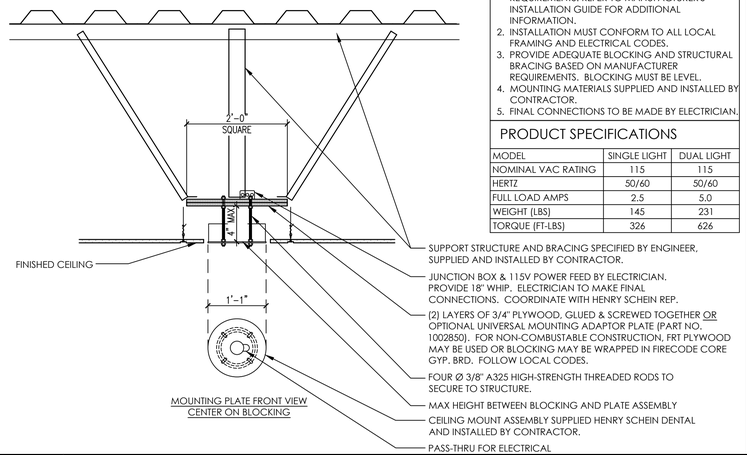
5 SURFACE MOUNTED CHAIR OUTLET

NOT TO SCALE

NOTES:
1. DETAIL PROVIDED FOR BLOCKING & UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.
2. INSTALLATION MUST CONFORM TO ALL LOCAL FRAMING AND ELECTRICAL CODES.
3. PROVIDE ADEQUATE BLOCKING AND STRUCTURAL BRACING BASED ON MANUFACTURER REQUIREMENTS. BLOCKING MUST BE LEVEL.
4. MOUNTING MATERIALS SUPPLIED AND INSTALLED BY CONTRACTOR.
5. FINAL CONNECTIONS TO BE MADE BY ELECTRICIAN.

PRODUCT SPECIFICATIONS

MODEL	SINGLE LIGHT	DUAL LIGHT
NOMINAL VAC RATING	115	115
HERTZ	50/60	50/60
FULL LOAD AMPS	2.5	5.0
WEIGHT (LBS)	145	231
TORQUE (FT-LBS)	326	626



6A MEDICAL ILLUMINATION MI 1000 SURGICAL LIGHT

NOT TO SCALE

FOLLOW LOCAL CODES FOR ALL WORK.

DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.

ASSE 6010 CERTIFIED INSTALLER TO PROVIDE 1/2" N_2O BRANCH LINE (ASTM B-819 TYPE L OR K COPPER) FROM MAIN TRUNK LINE. LINE MAY BE ROTATED 360° DEPENDING ON SITE CONDITIONS.

ASSE 6010 CERTIFIED INSTALLER TO PROVIDE 1/2" O_2 BRANCH LINE (ASTM B-819 TYPE L OR K COPPER) FROM MAIN TRUNK LINE. LINE MAY BE ROTATED 360° DEPENDING ON SITE CONDITIONS.

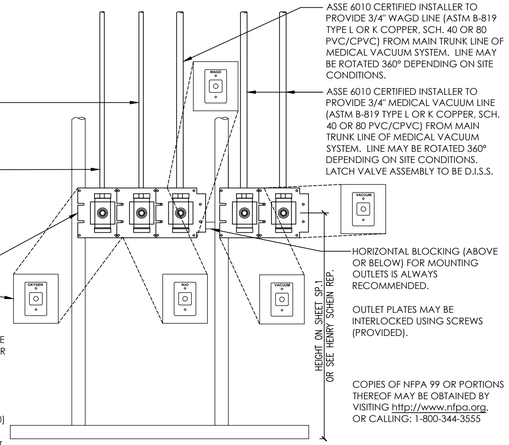
MEDICAL GAS QUICK CONNECT OUTLET ROUGH-IN ASSEMBLIES SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY ASSE 6010 CERTIFIED INSTALLER. SECURE TO FRAMING DURING PLUMBING ROUGH-IN, INSTALL LATCH VALVE & FACEPLATE AT FINISH. SEE SHEET SP.1 OR HENRY SCHEIN REP FOR HEIGHTS.

GAS-SPECIFIC LATCH VALVE ASSEMBLY AND FACEPLATE INSTALLED AT FINISH.

NOTES REGARDING CATEGORY 1 PIPED GAS & VACUUM SYSTEMS (DENTAL):

ALL ASPECTS OF THIS SYSTEM MUST COMPLY WITH THE CURRENTLY ACCEPTED VERSION OF NFPA 99 IN YOUR STATE/MUNICIPALITY. THESE INCLUDE BUT ARE NOT LIMITED TO:
-MATERIALS/INSTALLATION METHODS
-INSTALLER CERTIFICATIONS (ASSE 6010)
-CYLINDER STORAGE CLOSET REQUIREMENTS
-SYSTEM VERIFICATION & CERTIFICATIONS (ASSE 6030)
-SYSTEM COMPONENT LABELING STANDARDS

IT IS THE ARCHITECT'S RESPONSIBILITY TO ENSURE THAT ALL APPLICABLE CODES ARE MET WITHIN THE CONSTRUCTION DOCUMENTS RELATING TO THE PIPED GAS SYSTEM.



7D N_2O, O_2, (2) MED VAC, WAGD PIPED GAS OUTLETS

NOT TO SCALE

FOLLOW LOCAL CODES FOR ALL WORK.

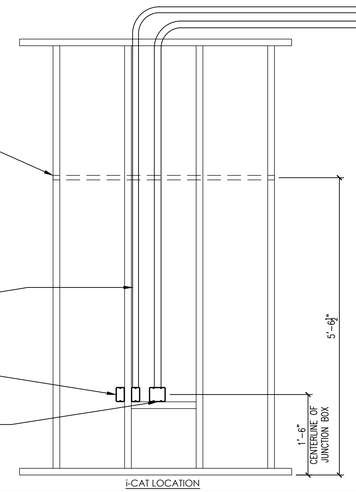
DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.

MOUNTING BRACKET SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL AT FINISH.

SINGLE-GANG JUNCTION BOX & 1" CONDUIT WITH PULL STRING CONTINUOUS ABOVE CEILING TO COMPUTER WORKSTATION BY CONTRACTOR.

SINGLE-GANG JUNCTION BOX W/ 115V,20A SINGLE OUTLET ON DEDICATED CIRCUIT BY ELECTRICIAN. MAX DRAW:10A.

TWO-GANG BOX AND 1½" CONDUIT WITH PULL STRING FOR INTERCONNECT CABLE BY CONTRACTOR. RUN CONTINUOUS TO CONTROL BOX.

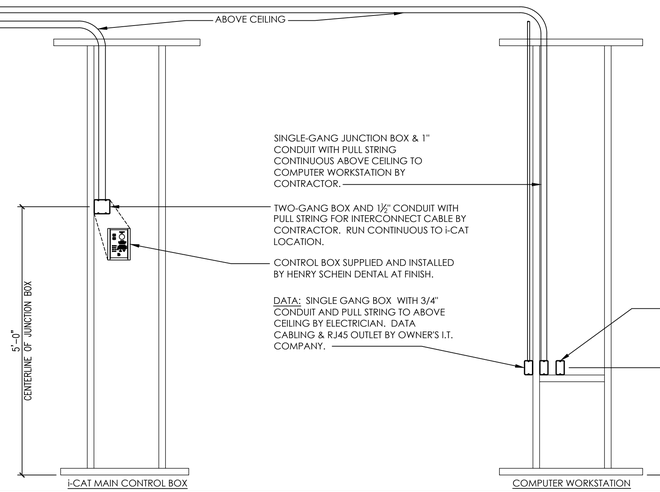


SINGLE-GANG JUNCTION BOX & 1" CONDUIT WITH PULL STRING CONTINUOUS ABOVE CEILING TO COMPUTER WORKSTATION BY CONTRACTOR.

TWO-GANG BOX AND 1½" CONDUIT WITH PULL STRING FOR INTERCONNECT CABLE BY CONTRACTOR. RUN CONTINUOUS TO i-CAT LOCATION.

CONTROL BOX SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL AT FINISH.

DATA: SINGLE GANG BOX WITH 3/4" CONDUIT AND PULL STRING TO ABOVE CEILING BY ELECTRICIAN. DATA CABLING & RJ45 OUTLET BY OWNER'S I.T. COMPANY.



*STATE RADIATION GUIDELINES MAY REQUIRE AN INTERLOCK SYSTEM (DOOR ACTIVATED SWITCH) AND/OR A WARNING SYSTEM (LIGHT OR ALARM IN HALLWAY). THESE COMPONENTS & WIRING ARE AVAILABLE UPON REQUEST.

9D i-CAT CONE BEAM X-RAY

NOT TO SCALE

FOLLOW LOCAL CODES FOR ALL WORK.

DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.

ASSE 6010 CERTIFIED INSTALLER TO PROVIDE 3/4" VACUUM LINE (ASTM B-819 TYPE L OR K COPPER, SCH. 40 OR 80 PVC/CPVC) FROM MAIN TRUNK LINE OF MEDICAL VACUUM SYSTEM. LINE MAY BE ROTATED 360° DEPENDING ON SITE CONDITIONS. LATCH VALVE ASSEMBLY TO BE D.I.S.S.

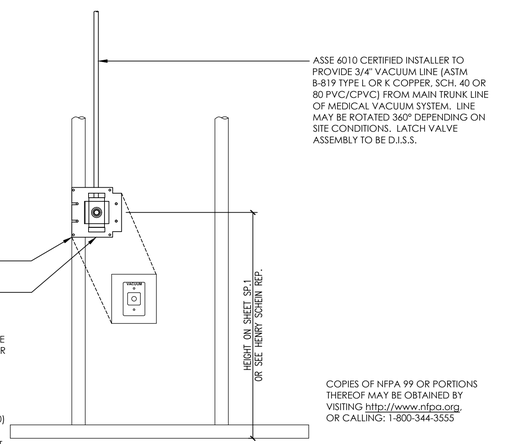
MEDICAL GAS QUICK CONNECT OUTLET ROUGH-IN ASSEMBLIES SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY ASSE 6010 CERTIFIED INSTALLER. SECURE TO FRAMING DURING PLUMBING ROUGH-IN, INSTALL LATCH VALVE & FACEPLATE AT FINISH. SEE SHEET SP.1 OR HENRY SCHEIN REP FOR HEIGHTS.

GAS-SPECIFIC LATCH VALVE ASSEMBLY AND FACEPLATE INSTALLED AT FINISH.

NOTES REGARDING CATEGORY 1 PIPED GAS & VACUUM SYSTEMS (DENTAL):

ALL ASPECTS OF THIS SYSTEM MUST COMPLY WITH THE CURRENTLY ACCEPTED VERSION OF NFPA 99 IN YOUR STATE/MUNICIPALITY. THESE INCLUDE BUT ARE NOT LIMITED TO:
-MATERIALS/INSTALLATION METHODS
-INSTALLER CERTIFICATIONS (ASSE 6010)
-CYLINDER STORAGE CLOSET REQUIREMENTS
-SYSTEM VERIFICATION & CERTIFICATIONS (ASSE 6030)
-SYSTEM COMPONENT LABELING STANDARDS

IT IS THE ARCHITECT'S RESPONSIBILITY TO ENSURE THAT ALL APPLICABLE CODES ARE MET WITHIN THE CONSTRUCTION DOCUMENTS RELATING TO THE PIPED GAS SYSTEM.

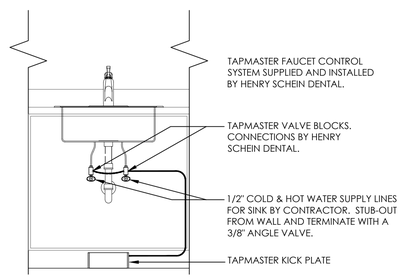


7F MEDICAL VAC PIPED GAS OUTLET

NOT TO SCALE

FOLLOW LOCAL CODES FOR ALL WORK.

DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.



12B TAPMASTER FAUCET CONTROL (SINK CABINET)

NOT TO SCALE

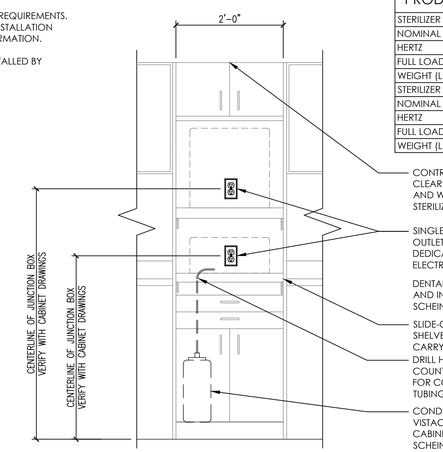
FOLLOW LOCAL CODES FOR ALL WORK.

DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.

CABINETRY SUPPLIED AND INSTALLED BY CONTRACTOR.

PRODUCT SPECIFICATIONS

STERILIZER - AUTOCLAVE	
NOMINAL VAC RATING	115/230
HERTZ	50/60
FULL LOAD AMPS	10A - 15A
WEIGHT (LBS)	73 - 117
STERILIZER - STATIM	
NOMINAL VAC RATING	100-240
HERTZ	50/60
FULL LOAD AMPS	5A
WEIGHT (LBS)	SEE MANUF.



14A STERILIZER TOWER

NOT TO SCALE

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PHONE #: (574) 274-3474

-IMPORTANT NOTE-
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PROJECT NUMBER: 24-2042

PROJECT START DATE: 10/30/2024

FINALS START DATE: 03/27/2025

DRAWN BY: ARCH.
FINALS BY: TAS
CHECKED BY: CAM

REVISIONS:

03/19/2025	TLT
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INT.SQ.FT.= PER ARCH.

SCALE: SEE DETAIL

SHT. SIZE: 24 x 36

DENTAL EQUIP. DETAILS

SED.1

P:_ALL REGIONS\MO Missouri\Wentzville Parkway Dental\Wentzville Parkway-1-D

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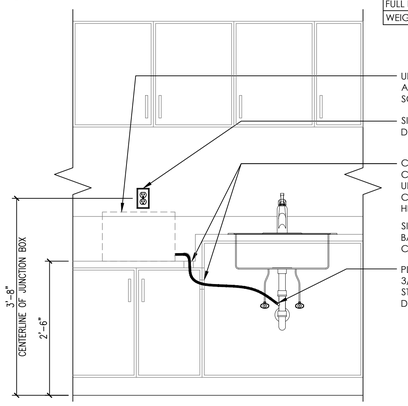
15 ULTRASONIC CLEANER (DROP-DOWN)

NOT TO SCALE

FOLLOW LOCAL CODES FOR ALL WORK.

DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.



PRODUCT SPECIFICATIONS	
NOMINAL VAC RATING	110
HERTZ	60
FULL LOAD AMPS	11A
WEIGHT (LBS)	46 - 73

27D TRI-TECH DMV2CL60SH MEDICAL VACUUM SYSTEM

NOT TO SCALE

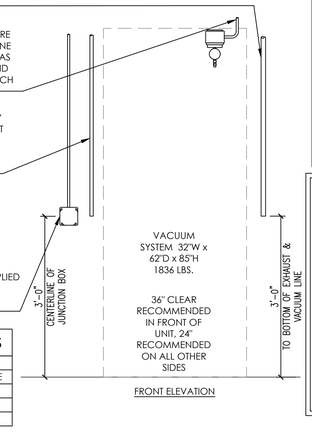
1 1/2" COPPER VACUUM TRUNK LINE (ASTM B-819 TYPE L OR K COPPER) OUT TO ZONE VALVES (34B, 34B.1) INDICATED ON PLAN BY ASSE 6010 CERTIFIED PLUMBER. SIZE MAY VARY BASED ON LENGTH OF RUN PER MANUFACTURER SPECIFICATIONS. TERMINATE IN MECH. ROOM 36" A.F.F.

ELECTRICIAN TO RUN 22 AWG TWISTED PAIR SHIELDED CABLE BETWEEN PRESSURE SWITCH ON MAIN VACUUM SOURCE LINE IN MECHANICAL CLOSET AND PIPED GAS NOTIFICATION ALARM WITHIN 3/4" RIGID CONDUIT. LEAVE 12" OF CABLE ON EACH END FOR FINAL CONNECTIONS.

COPPER PIPE (TYPE L) EXHAUST VENT BY INSTALLER. RUN TO EXTERIOR. PROTECT EXTERIOR PIPING FROM OUTDOOR ELEMENTS AS NEEDED. SIZE BASED ON LENGTH OF EXHAUST RUN PER MANUFACTURER SPECIFICATIONS.

THE VACUUM EXHAUST VENT MUST BE LOCATED AWAY FROM MEDICAL AIR INTAKES, DOORS, AND OPENINGS IN THE BUILDINGS TO MINIMIZE POSSIBLE CONTAMINATION TO THE FACILITY, IN ACCORDANCE WITH NFPA 99.

208V POWER FEED & DUPLEX BOX SUPPLIED BY ELECTRICIAN FROM THE EQUIPMENT BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER).



FRONT ELEVATION

NOTES:
1. DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.
2. INSTALLATION MUST CONFORM TO ALL LOCAL ELECTRICAL AND PLUMBING CODES.
3. FINAL CONNECTIONS TO BE MADE BY ASSE 6010 CERTIFIED INSTALLER.
4. MECHANICAL ROOM MUST BE KEPT BETWEEN 40°-105° F. A THERMOSTAT CONTROLLED EXHAUST FAN IS RECOMMENDED. SPECIFICATIONS PER MECHANICAL ENGINEER.
5. PROVIDE A BUCK-BOOST TRANSFORMER IF FACILITY SERVICE DOES NOT FALL WITHIN THE RECOMMENDED SUPPLY VOLTAGE FLUCTUATION OF ± 10% OF NOMINAL VOLTAGE RATINGS LISTED. VERIFY SUPPLIER OF BUCK-BOOST TRANSFORMER WITH HENRY SCHEIN EQUIPMENT SPECIALIST.

NOTES REGARDING CATEGORY 1 PIPED GAS & VACUUM SYSTEMS (DENTAL):

ALL ASPECTS OF THIS SYSTEM MUST COMPLY WITH THE CURRENTLY ACCEPTED VERSION OF NFPA 99 IN YOUR STATE/MUNICIPALITY. THESE INCLUDE BUT ARE NOT LIMITED TO:
-MATERIALS/INSTALLATION METHODS
-INSTALLER CERTIFICATIONS (ASSE 6010)
-CYLINDER STORAGE CLOSET CONSTRUCTION & VENTILATION REQUIREMENTS
-SYSTEM VERIFICATION CERTIFICATIONS (ASSE 6030)
-SYSTEM COMPONENT LABELING STANDARDS
IT IS THE ARCHITECT'S RESPONSIBILITY TO ENSURE THAT ALL APPLICABLE CODES ARE MET WITHIN THE CONSTRUCTION DOCUMENTS RELATING TO THE CATEGORY 1 PIPED GAS & VACUUM SYSTEMS (DENTAL).
COPIES OF NFPA 99 OR PORTIONS THEREOF MAY BE OBTAINED BY VISITING http://www.nfpa.org, OR CALLING: 1-800-344-3555

PRODUCT SPECIFICATIONS	
# OF MOTORS	2
NOMINAL VAC RATING	208V, 3-PHASE
VOLTAGE MIN/MAX	198/242
FULL LOAD AMPS	14
BTU PER HOUR	5,100

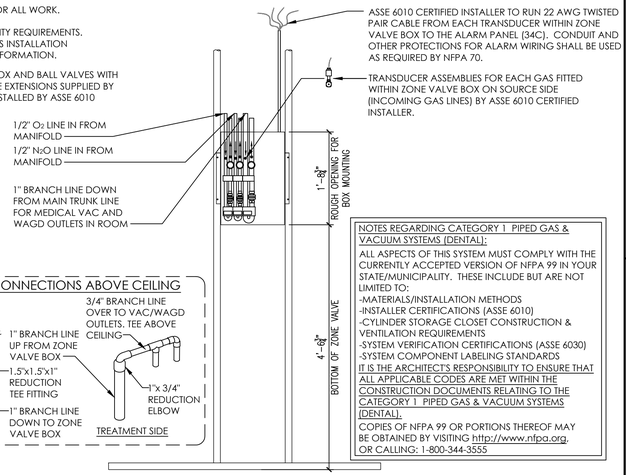
34B TRI-TECH EV ZONE VALVE BOX (3 GAS)

NOT TO SCALE

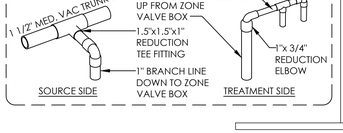
FOLLOW LOCAL CODES FOR ALL WORK.

DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.

PIPED GAS ZONE VALVE BOX AND BALL VALVES WITH LEFT & RIGHT COPPER TUBE EXTENSIONS SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY ASSE 6010 CERTIFIED INSTALLER.



MED. VAC LINE CONNECTIONS ABOVE CEILING



NOTES REGARDING CATEGORY 1 PIPED GAS & VACUUM SYSTEMS (DENTAL):

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33B TRI-TECH PIPED GAS SYSTEM N2O & O2 MANIFOLDS

NOT TO SCALE

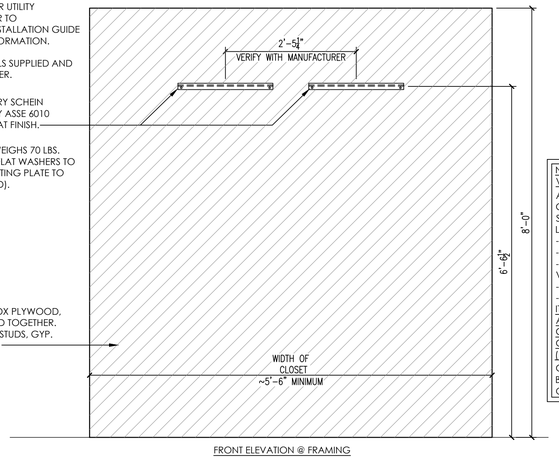
FOLLOW LOCAL CODES FOR ALL WORK.

DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.

MOUNTING MATERIALS SUPPLIED AND INSTALLED BY INSTALLER.

"Z" BRACKETS BY HENRY SCHEIN DENTAL, INSTALLED BY ASSE 6010 CERTIFIED INSTALLER AT FINISH.

**EACH MANIFOLD WEIGHS 70 LBS. USE (2) 3/8" BOLTS & FLAT WASHERS TO SECURE EACH MOUNTING PLATE TO WALL (NOT PROVIDED).



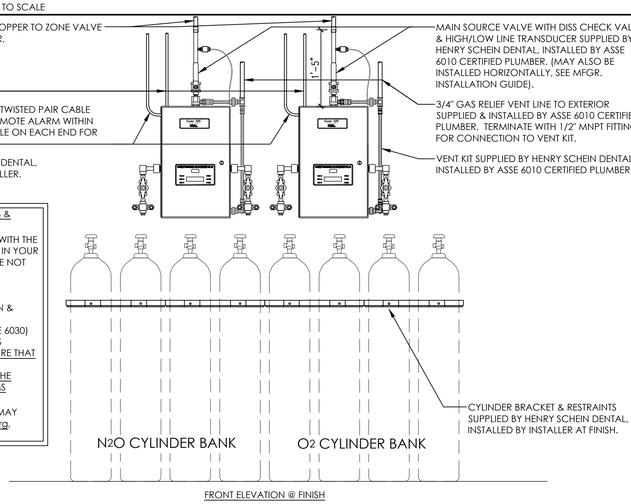
FRONT ELEVATION @ FRAMING

3/4" HARD DRAWN SEAMLESS TYPE "K" COPPER TO ZONE VALVE BOXES BY ASSE 6010 CERTIFIED INSTALLER.

120V POWER FEED SUPPLIED BY ELECTRICIAN FROM THE EQUIPMENT BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER).

ELECTRICIAN TO RUN 3 SETS OF 22 AWG TWISTED PAIR CABLE BETWEEN EACH GAS MANIFOLD AND REMOTE ALARM WITHIN 3/4" RIGID CONDUIT. LEAVE 24" OF CABLE ON EACH END FOR FINAL CONNECTIONS.

MANIFOLDS SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY ASSE 6010 CERTIFIED INSTALLER.



FRONT ELEVATION @ FINISH

NOTES REGARDING CATEGORY 1 PIPED GAS & VACUUM SYSTEMS (DENTAL):

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COPIES OF NFPA 99 OR PORTIONS THEREOF MAY BE OBTAINED BY VISITING http://www.nfpa.org, OR CALLING: 1-800-344-3555

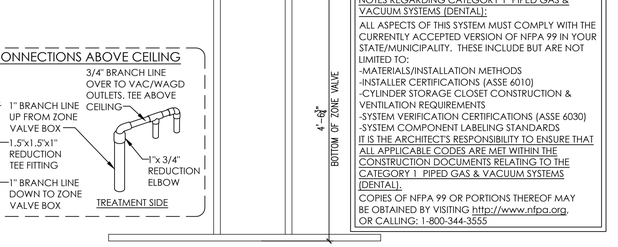
34B.1 TRI-TECH EV ZONE VALVE BOX (2 GAS)

NOT TO SCALE

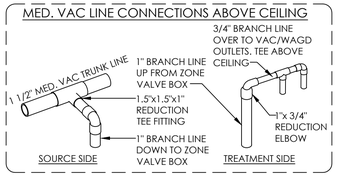
FOLLOW LOCAL CODES FOR ALL WORK.

DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.

PIPED GAS ZONE VALVE BOX AND BALL VALVES WITH LEFT & RIGHT COPPER TUBE EXTENSIONS SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY ASSE 6010 CERTIFIED INSTALLER.



MED. VAC LINE CONNECTIONS ABOVE CEILING



NOTES REGARDING CATEGORY 1 PIPED GAS & VACUUM SYSTEMS (DENTAL):

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34C TRI-TECH ALARM PANEL

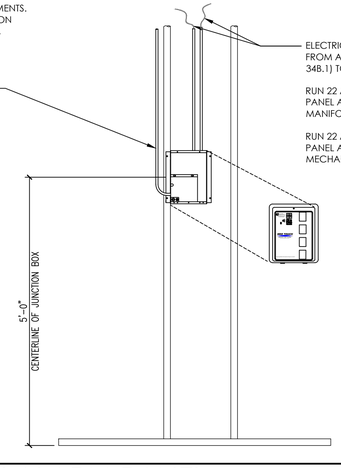
NOT TO SCALE

FOLLOW LOCAL CODES FOR ALL WORK.

DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.

120V POWER FEED SUPPLIED BY ELECTRICIAN FROM THE EQUIPMENT BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER).

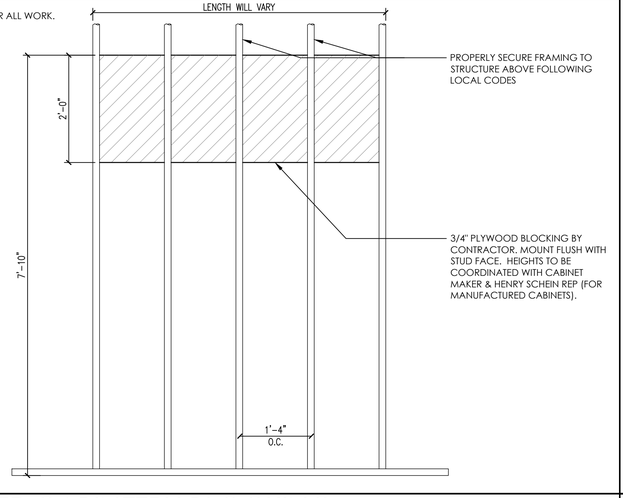
ALARM BOX & PANEL SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY ASSE 6010 CERTIFIED INSTALLER.



35B UPPER CABINETRY BLOCKING

NOT TO SCALE

FOLLOW LOCAL CODES FOR ALL WORK.

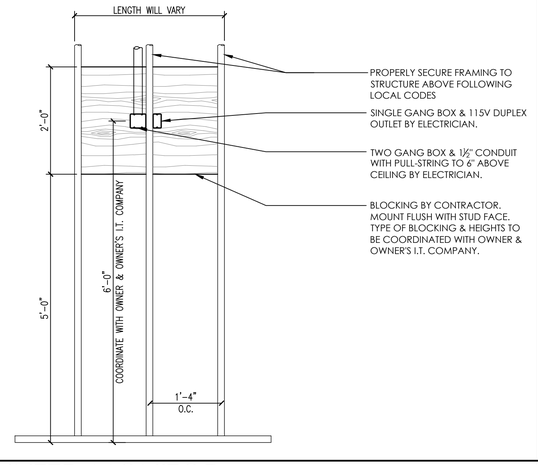


39A WALL MOUNTED MONITOR

NOT TO SCALE

PRODUCT SPECIFICATIONS	
NOMINAL VAC RATING	100/110 - 120/220
HERTZ	50/60
FULL LOAD AMPS	SEE MANUF.
WEIGHT (LBS)	55
TORQUE (FT-LBS)	203

FOLLOW LOCAL CODES FOR ALL WORK.



HENRY SCHEIN®
INTEGRATED DESIGN STUDIO
14515 BELOIT RD., NEW BERLIN, WI 53151
henryscheinintegrateddesign.com

PROJECT: **MISSOURI CENTER FOR ORAL SURGERY**

LOCATION: WENTZVILLE PARKWAY WENTZVILLE, MO

HENRY SCHEIN REP: LUKE MATZ

REGION: MISSOURI

PHONE #: (574) 274-3474

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PROJECT NUMBER: 24-2042

PROJECT START DATE: 10/30/2024

FINALS START DATE: 03/27/2025

DRAWN BY: ARCH.
FINALS BY: TAS
CHECKED BY: CAM

REVISIONS:

03/19/2025	TLT
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INT.SQ.FT.= PER ARCH.

SCALE: SEE DETAIL
SHT. SIZE: 24 x 36

DENTAL EQUIP. DETAILS

SED.2

P:\ ALL REGIONS\MO Missouri\Wentzville Parkway Dental\Wentzville Parkway 1G-D

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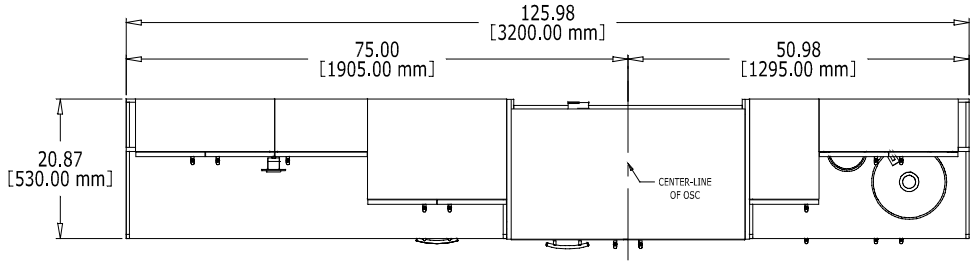
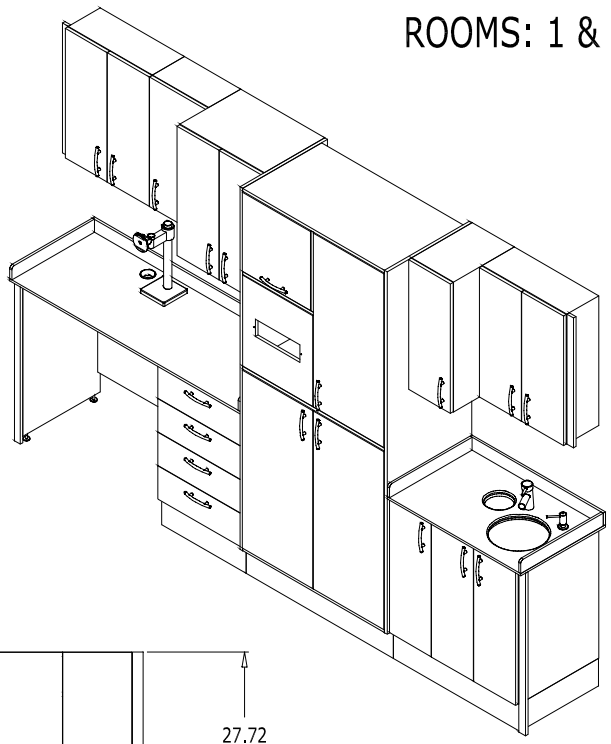
NON PASS-THRU/UNFINISHED BACK

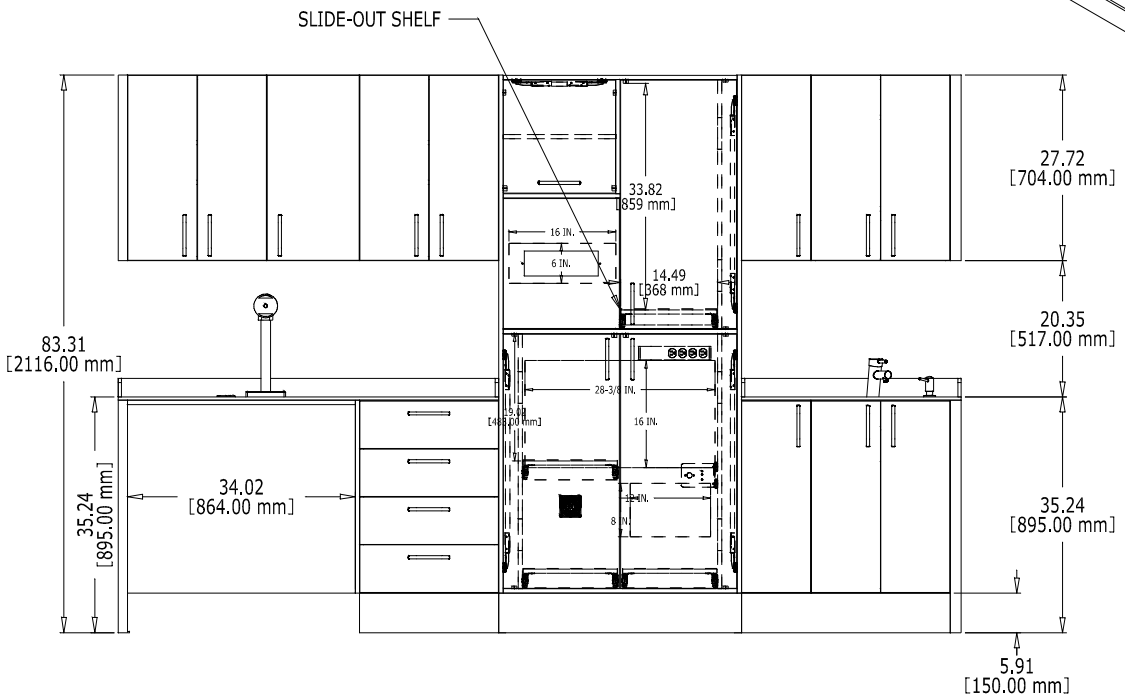
REV	DESCRIPTION	DRW BY	DATE
A	FIRST RELEASE	JBT	021325
B	RVSD OSC TWR	JBT	030525
C	RVSD OSC TWR	JBT	031025
D	COMPLETE REVISION	JBT	031925
E	RVSD UPPER, DESK, RMV GLOVES	JBT	031925



BASE:
ACCENT:
COUNTERTOP:
GROMMETS/VENTS:

ROOMS: 1 & 2





QUANTITY: 2

PLEASE REVIEW CAREFULLY AND SIGN FOR ORDER CONFIRMATION

SERIOUS OR FATAL CRUSHING INJURIES CAN OCCUR FROM CABINETRY TIP-OVER: INSTALLER TO ENSURE ALL CABINETRY IS PROPERLY SECURED TO WALL AND/OR FLOOR

CUSTOMER SIGNATURE: X

PRODUCTION NUMBER: .

PREPARED BY: BETH HULST

BIOTEC
652 E.MAIN AVE.
ZEELAND,MI. 49464
(616) 772-2133
FAX (616) 772-4320

This drawing is the sole property of Royal Dental and remains so until an agreement is made for the sale of products shown.

DEALER: HENRY SCHEIN, CHESTERFIELD

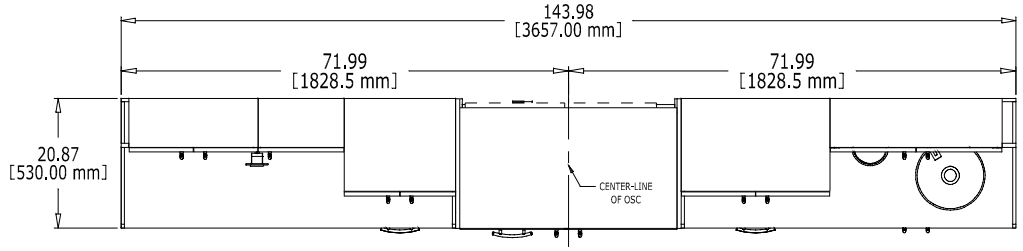
FOR: WENTZVILLE ORAL SURGERY

UNIT TYPE: C2100

QUOTE/DRAWING NUMBER: 6296-01

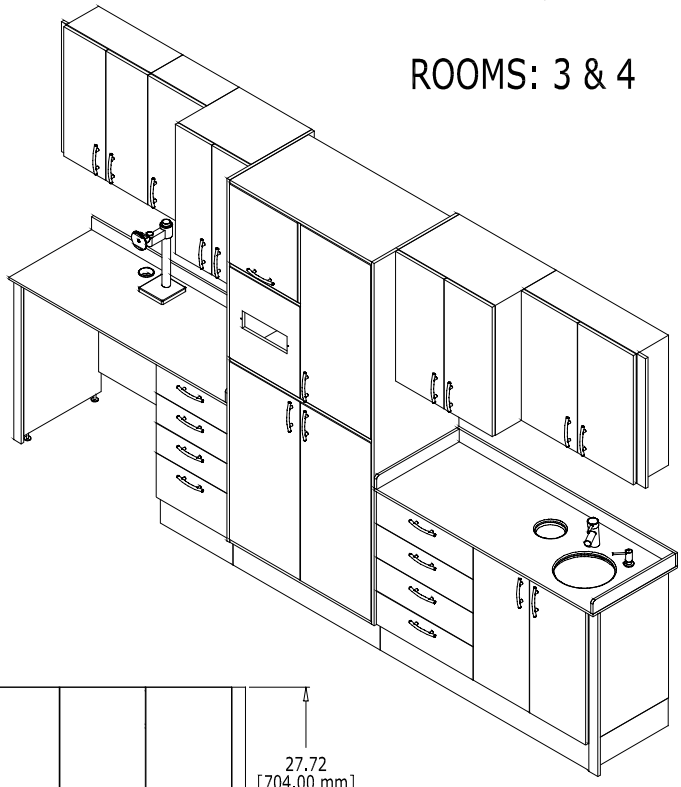
NON PASS-THRU/UNFINISHED BACK

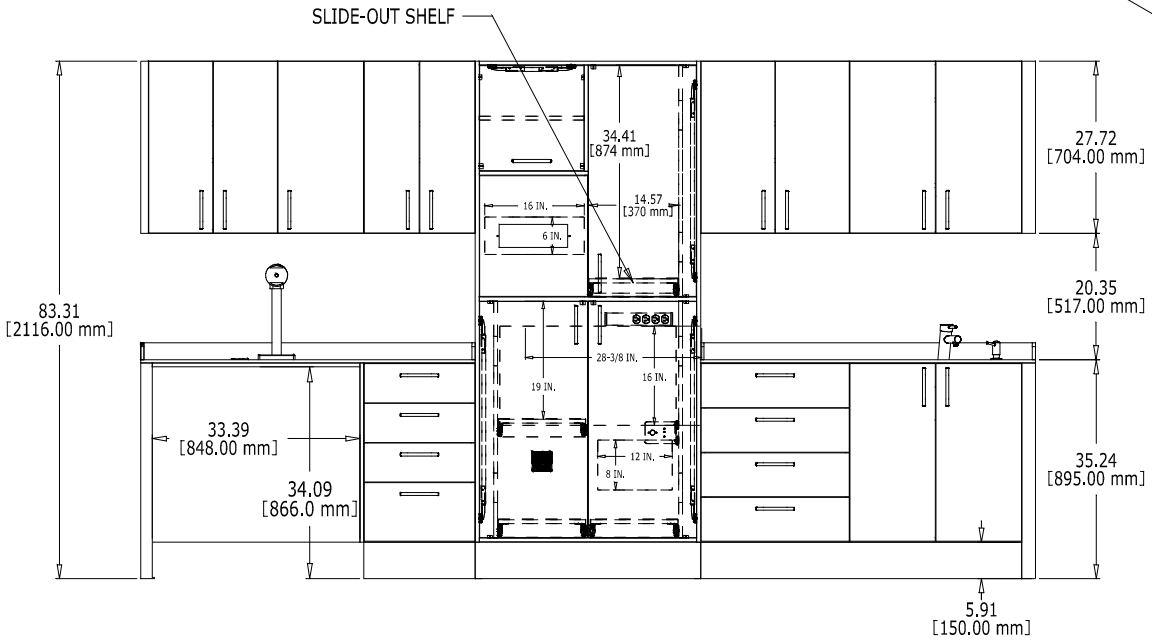
REV	DESCRIPTION	DRW BY	DATE
A	FIRST RELEASE	JBT	021325
B	RVSD OSC TWR	JBT	030525
C	RVSD OSC TWR	JBT	031025
D	COMPLETE REVISION	JBT	032025
E	RVSD DESK, UPPERS & RMVD GLOVES	JBT	032025



BASE:
ACCENT:
COUNTERTOP:
GROMMETS/VENTS:

ROOMS: 3 & 4





QUANTITY: 2

PLEASE REVIEW CAREFULLY AND SIGN FOR ORDER CONFIRMATION

SERIOUS OR FATAL CRUSHING INJURIES CAN OCCUR FROM CABINETRY TIP-OVER: INSTALLER TO ENSURE ALL CABINETRY IS PROPERLY SECURED TO WALL AND/OR FLOOR

CUSTOMER SIGNATURE: X

PRODUCTION NUMBER: .

PREPARED BY: BETH HULST

BIOTEC
652 E.MAIN AVE.
ZEELAND, MI. 49464
(616) 772-2133
FAX (616) 772-4320

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DEALER: HENRY SCHEIN, CHESTERFIELD

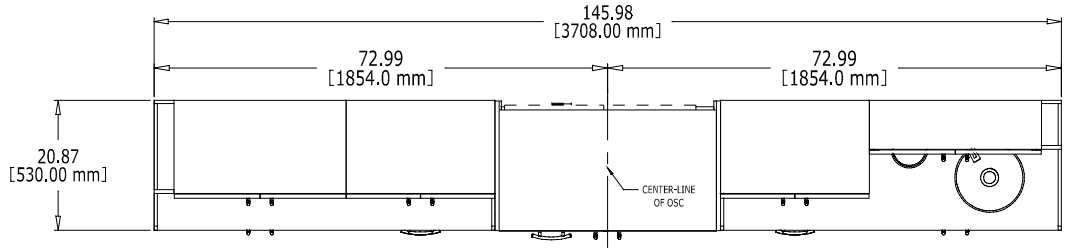
FOR: WENTZVILLE ORAL SURGERY

UNIT TYPE: C2100

QUOTE/DRAWING NUMBER: 6296-02

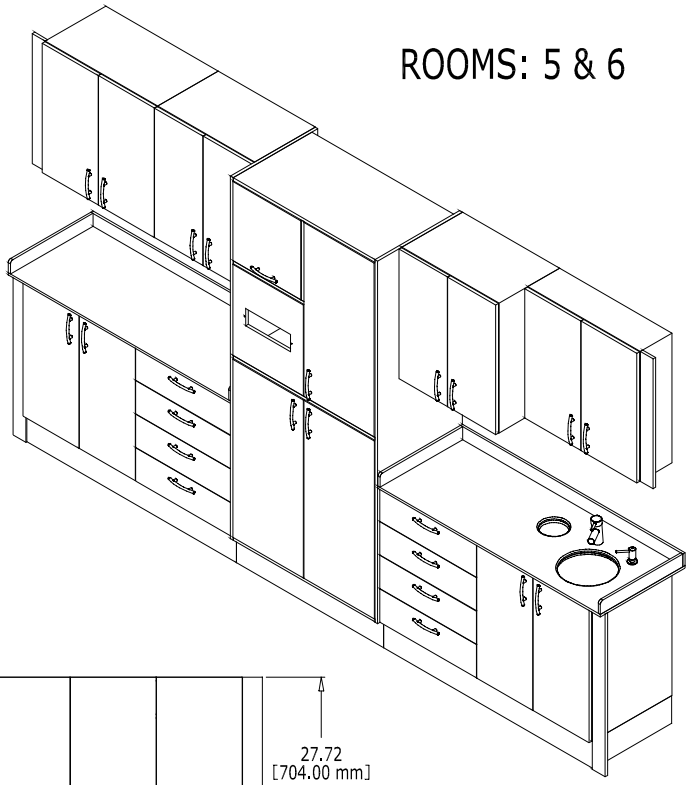
NON PASS-THRU/UNFINISHED BACK

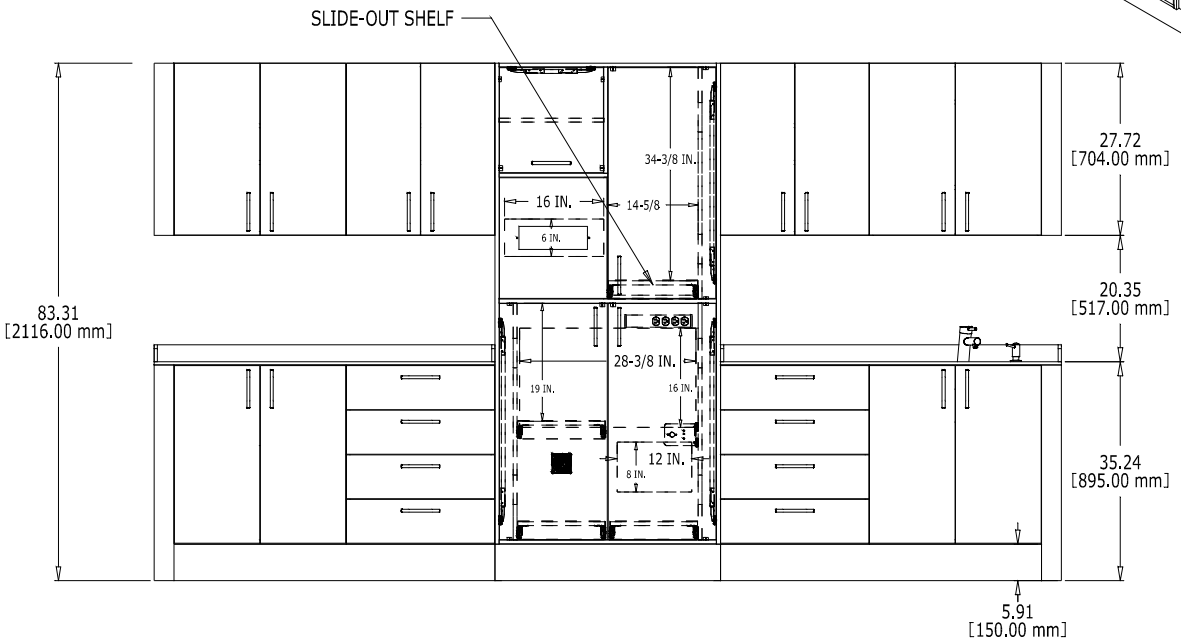
REV	DESCRIPTION	DRW BY	DATE
A	FIRST RELEASE	JBT	021325
B	RVSD OSC TWR	JBT	030525
C	RVSD OSC TWR	JBT	031025
D	COMPLETE REVISION	JBT	032025
E	RMVD GLOVES, RVSD LEFT SIDE	JBT	032725



BASE:
ACCENT:
COUNTERTOP:
GROMMETS/VENTS:

ROOMS: 5 & 6





QUANTITY: 2

PLEASE REVIEW CAREFULLY AND SIGN FOR ORDER CONFIRMATION

SERIOUS OR FATAL CRUSHING INJURIES CAN OCCUR FROM CABINETRY TIP-OVER: INSTALLER TO ENSURE ALL CABINETRY IS PROPERLY SECURED TO WALL AND/OR FLOOR

CUSTOMER SIGNATURE: X

PRODUCTION NUMBER: .

PREPARED BY: BETH HULST

BIOTEC
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ZEELAND, MI. 49464
(616) 772-2133
FAX (616) 772-4320

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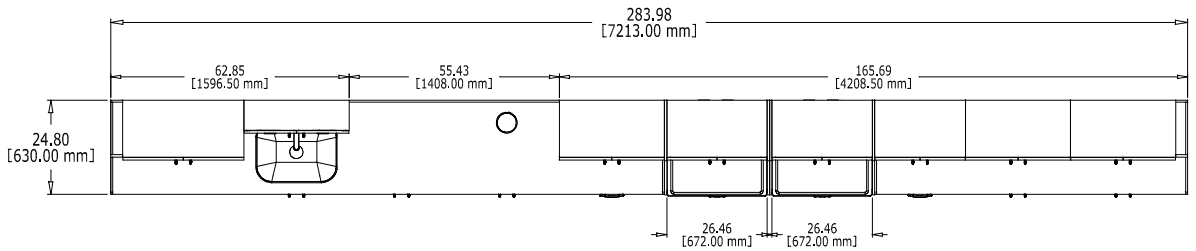
DEALER: HENRY SCHEIN, CHESTERFIELD

FOR: WENTZVILLE ORAL SURGERY

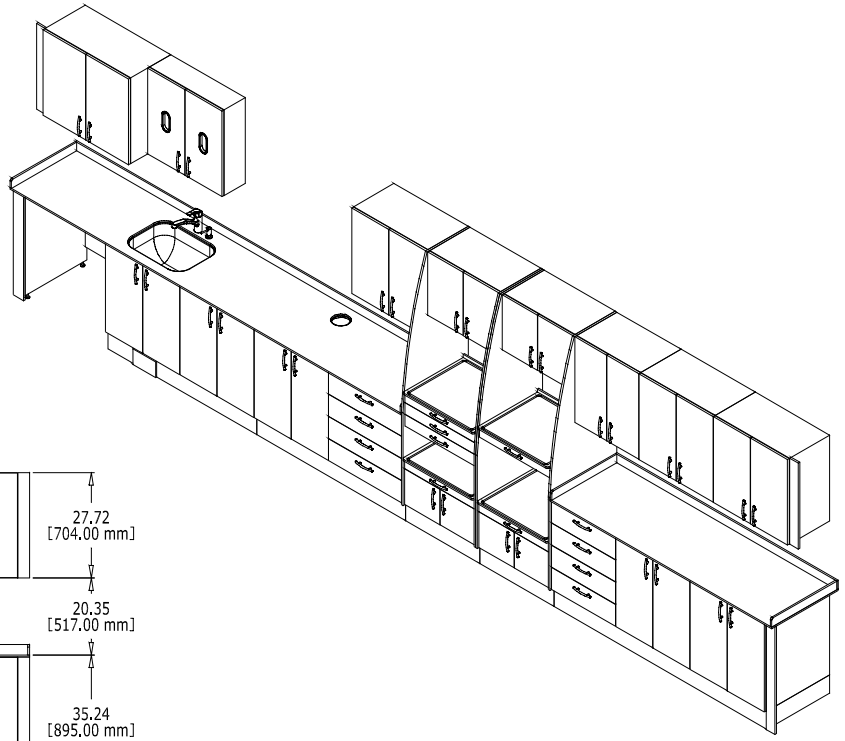
UNIT TYPE: C2100

QUOTE/DRAWING NUMBER: 6296-03

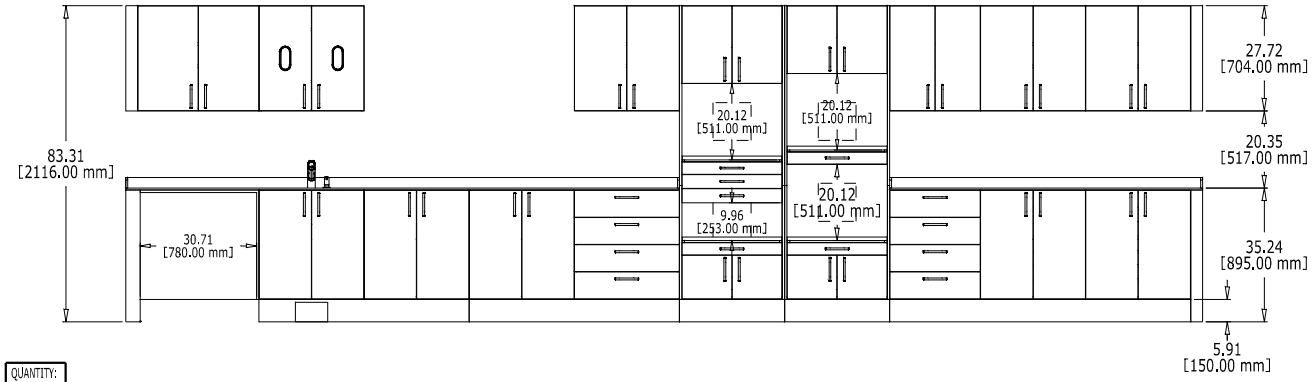
REV	DESCRIPTION	DRW BY	DATE
A	FIRST RELEASE	JBT	021425
B	ADD DESK AREA	JBT	032025
C	COMPLETE REVISION	JBT	032825



BASE:
ACCENT:
COUNTERTOP:
GROMMETS/VENTS:



CABINET MUST BE SECURED
TO WALL TO ENSURE STABILITY



QUANTITY: 1

BIOTEC
852 E. MAIN AVE.
ZEELAND, MI. 49464
(616) 772-2133
FAX (616) 772-4320

This drawing is the sole property of Royal Dental and remains so until an agreement is made for the sale of products shown.

DEALER:	HENRY SCHEIN, CHESTERFIELD
FOR:	WENTZVILLE ORAL SURGERY
UNIT TYPE:	C2400
QUOTE/DRAWING NUMBER:	6296-04

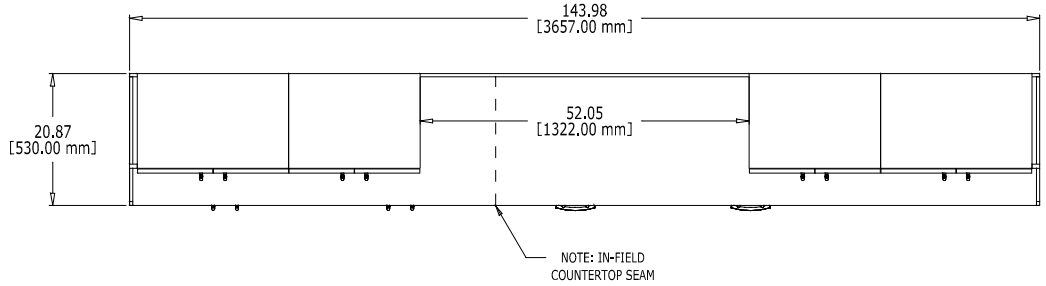
PLEASE REVIEW CAREFULLY AND
SIGN FOR ORDER CONFIRMATION

SERIOUS OR FATAL CRUSHING INJURIES CAN OCCUR FROM CABINETRY TIP-OVER: INSTALLER TO ENSURE ALL CABINETRY IS PROPERLY SECURED TO WALL AND/OR FLOOR

CUSTOMER SIGNATURE:
X

PRODUCTION NUMBER:	PREPARED BY:
.	BETH HULST

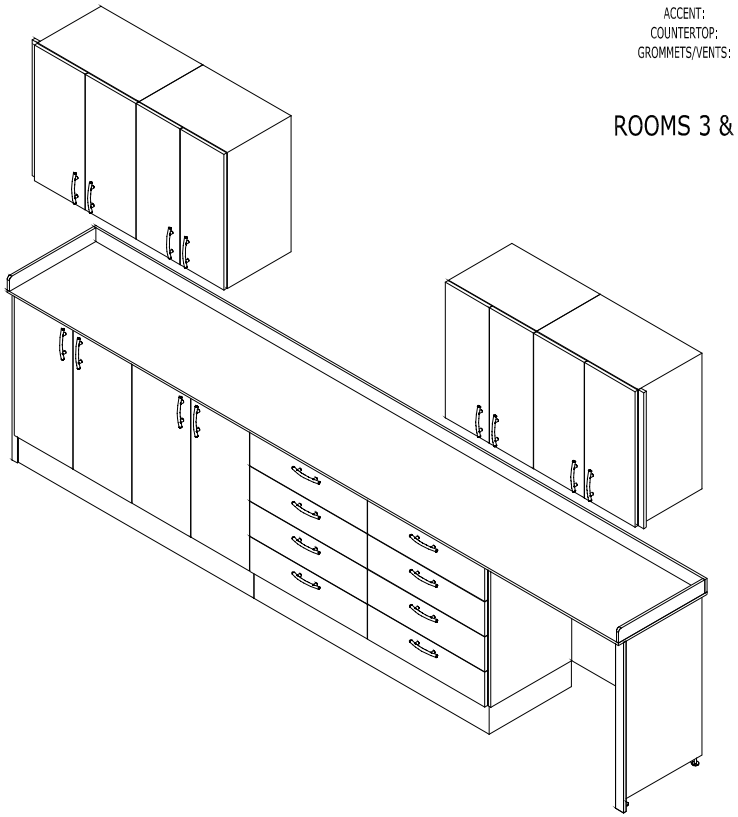
NOTICE: DEALER PROVIDED IN-FIELD SEAM REQUIRED



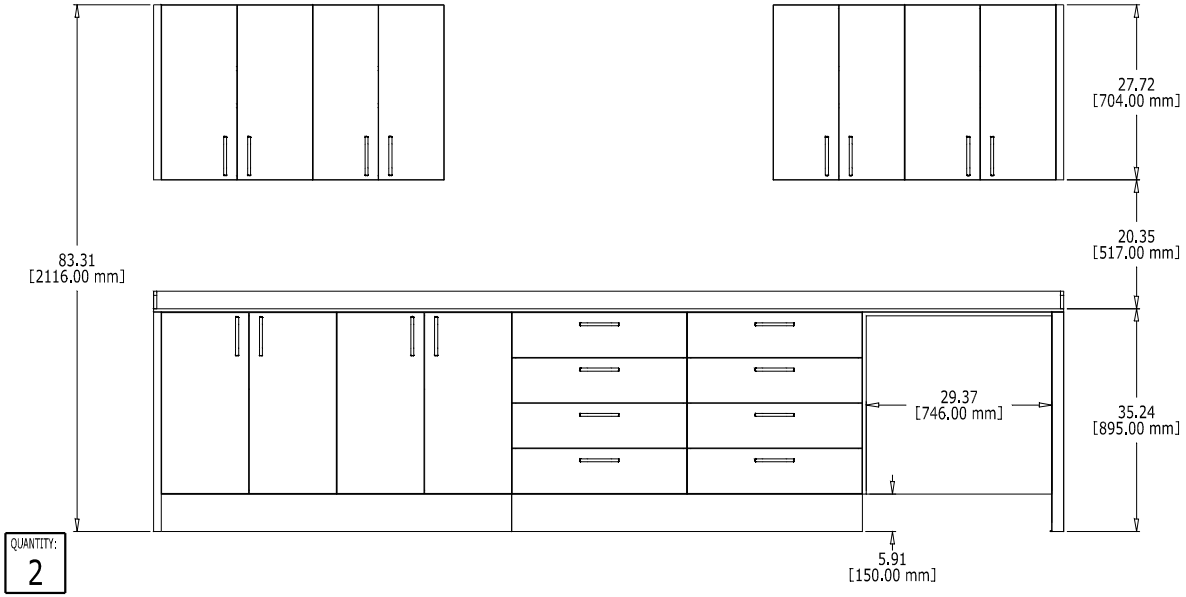
REV	DESCRIPTION	DRW BY	DATE
A	FIRST RELEASE	JBT	030525
B	COMPLETE REVISION	JBT	032025
C	RVSD STORAGE	JBT	032725

BASE:
ACCENT:
COUNTERTOP:
GROMMETS/VENTS:

ROOMS 3 & 4



ALL WALL-MOUNTED CABINET LOCATIONS
TO BE DETERMINED IN-FIELD



QUANTITY: 2

PLEASE REVIEW CAREFULLY AND
SIGN FOR ORDER CONFIRMATION

SERIOUS OR FATAL CRUSHING INJURIES CAN OCCUR FROM CABINETRY TIP-OVER:
INSTALLER TO ENSURE ALL CABINETRY IS PROPERLY SECURED TO WALL AND/OR FLOOR

CUSTOMER SIGNATURE: X

PRODUCTION NUMBER: .

PREPARED BY: BETH HULST

BIOTEC
652 E. MAIN AVE.
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(616) 772-2133
FAX (616) 772-4320

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DEALER: HENRY SCHEIN, CHESTERFIELD
FOR: WENTZVILLE ORAL SURGERY
UNIT TYPE: C2300
QUOTE/DRAWING NUMBER: 6296-06