

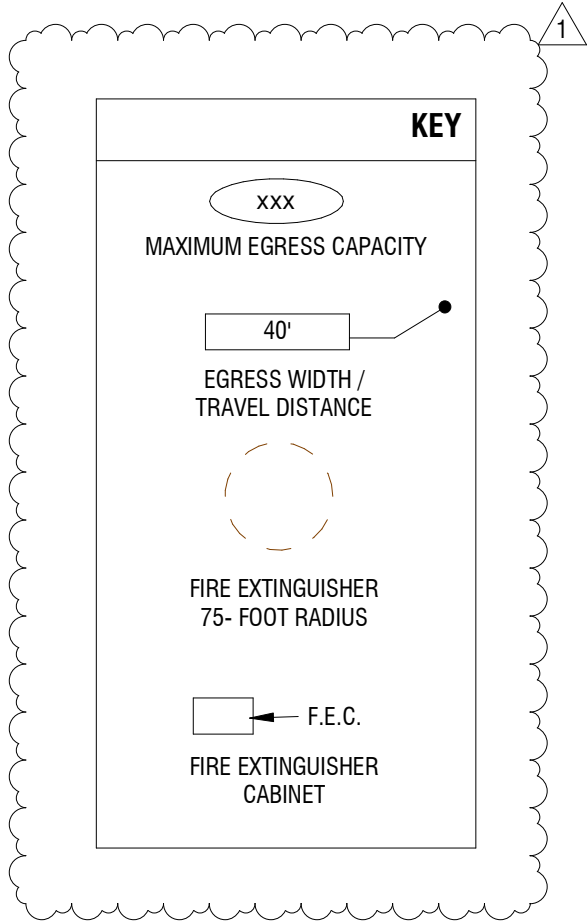
CODE INFORMATION

OCCUPANCY USE GROUP: B
TYPE OF CONSTRUCTION: V-B

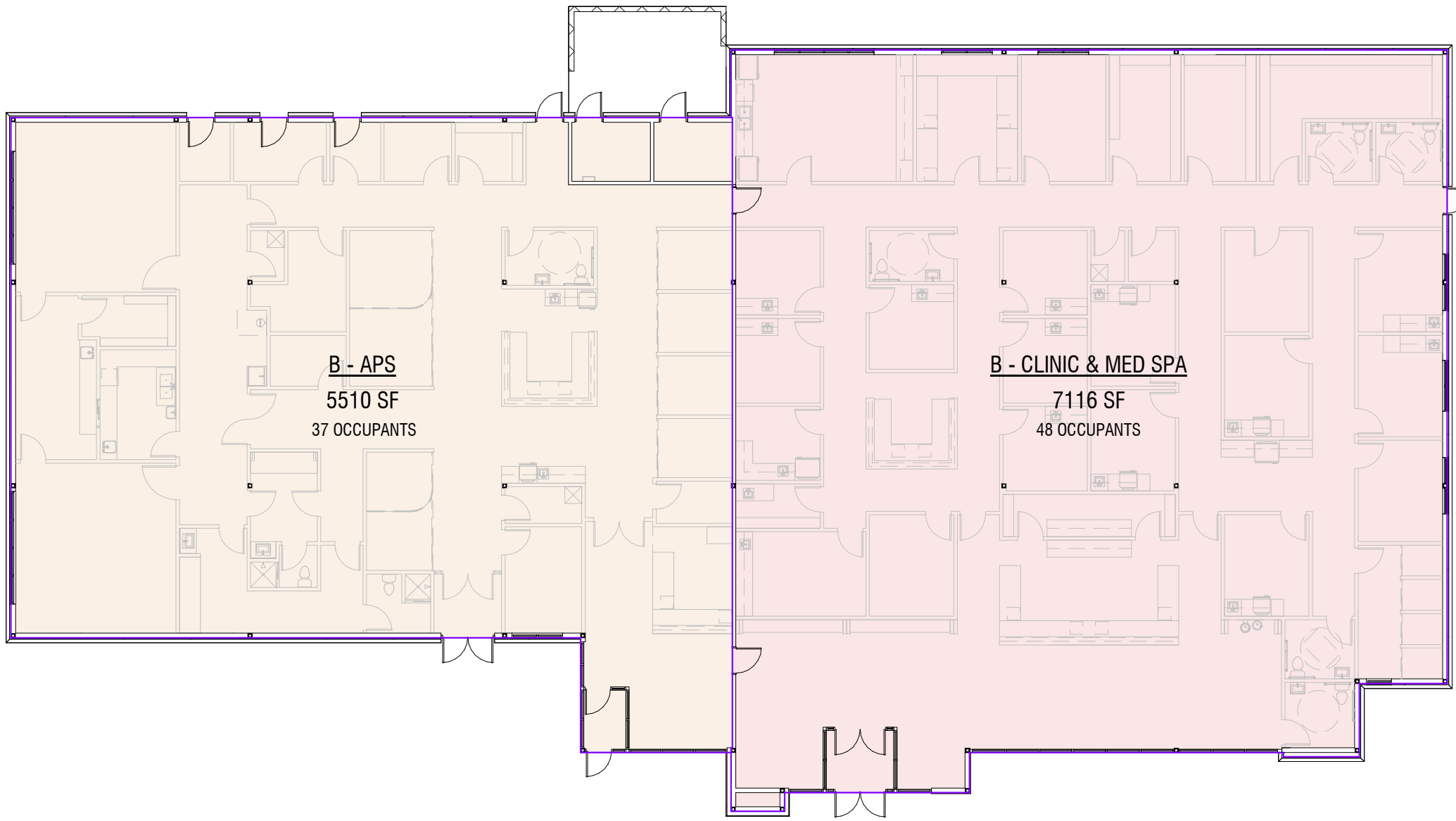
	REQUIRED/ALLOWED	PROVIDED
SQUARE FOOTAGE		
PER STORY (IBC 506.2)	36,000 SQ.FT.	12,626 SQ.FT.
TOTAL BUILDING AREA	N/A	12,626 SQ.FT.
NUMBER OF STORY (IBC 504.4)	3 STORIES	1 STORY
BUILDING HEIGHT (IBC 504.3)	60 FT.	29 FT.
BUILDING ELEMENT FIRE RESISTANCE RATING		
PRIMARY STRUCTURAL FRAME	0 HR	0 HR
BEARING WALL - EXTERIOR	0 HR	0 HR
BEARING WALL - INTERIOR	0 HR	0 HR
NONBEARING WALL AND PARTITIONS - EXTERIOR (IBC 602)	0 HR (10<X<30; X >30)	0 HR
NONBEARING WALL AND PARTITIONS - INTERIOR	0	0
FLOOR CONSTRUCTION	0 HR	0 HR
ROOF CONSTRUCTION	0 HR	0 HR
FIRE PROTECTION AND RESISTANCE REQUIREMENTS		
FIRE BARRIERS - STAIR ENCLOSURES	N/A	N/A
FIRE PARTITIONS - DEMISING WALL	1HR	1HR
FIRE PARTITIONS - HOR. ASSEMBLIES	N/A	N/A
FIRE PARTITIONS - CORRIDOR WALLS	N/A	N/A
FIRE PROTECTION SYSTEM	NFPA 13	NFPA 13
FIRE ALARM AND DETECTION (IBC 907)	FIRE & SMOKE ALARM	FIRE & SMOKE ALARM
EGRESS		
OCCUPANT LOAD	TYPE	SF/LOAD FACTOR
	ASC (BUSINESS)	5,510/150
	CLINIC & MED SPA (BUSINESS)	7,116/150
	TOTAL	85
EGRESS WIDTH - STAIRS (IBC 1005.3)	N/A	N/A
EGRESS WIDTH - OTHER (IBC 1005.3)	85 x 0.15" = 12.75" MIN.	238"
NUMBER OF EXITS - ASC	1	3
NUMBER OF EXITS - CLINIC & MED SPA	1	2
MAX. TRAVEL DISTANCE TO EXIT	250' MAX. (PER IBC 1016.2)	124'
ROOF COVER CLASSIFICATION	B	B

APPLICABLE BUILDING CODES

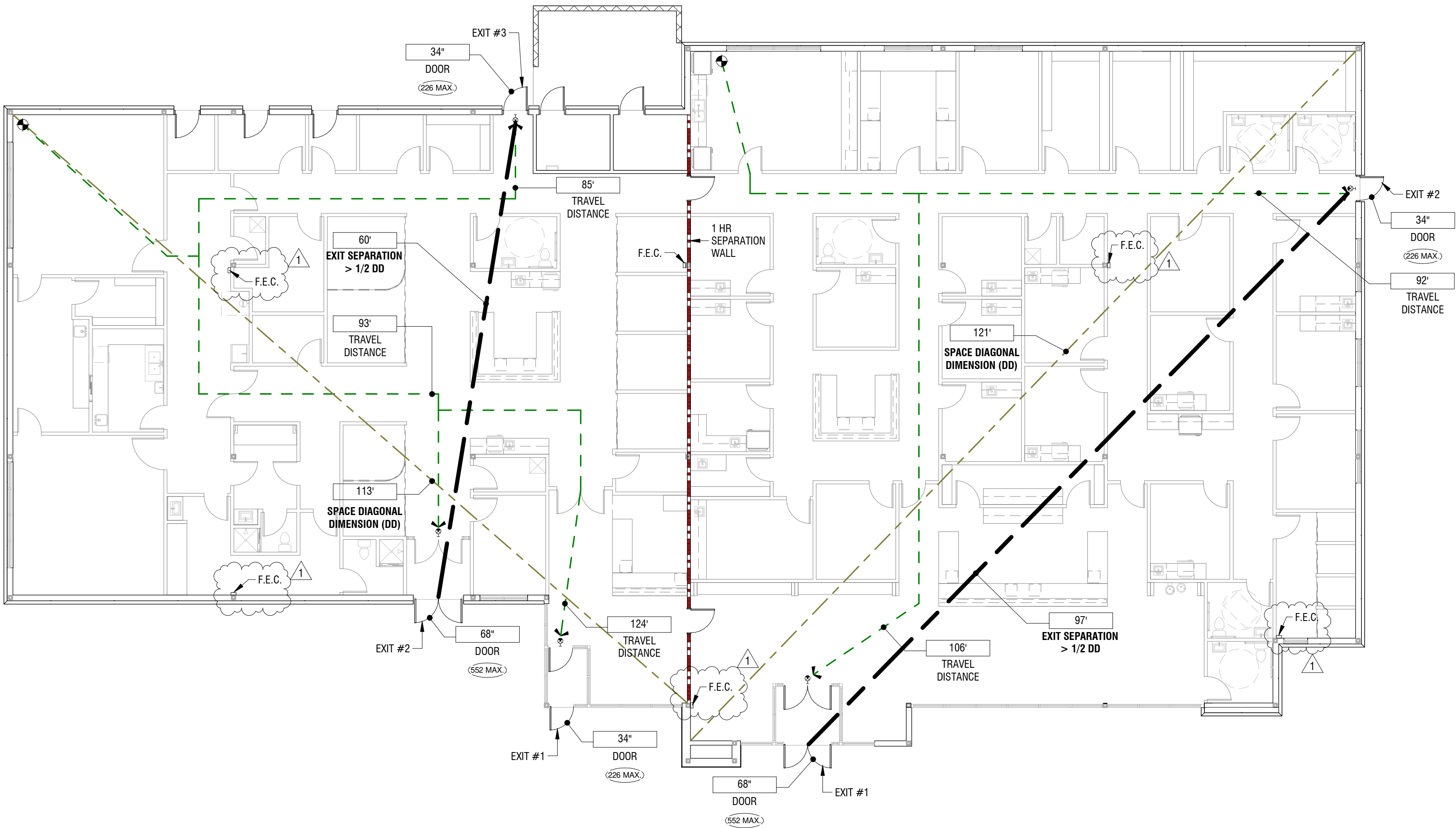
- 2018 INTERNATIONAL BUILDING CODE
- 2018 INTERNATIONAL PLUMBING CODE
- 2018 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL FUEL GAS CODE
- 2018 INTERNATIONAL FIRE CODE
- 2017 NATIONAL ELECTRICAL CODE
- ANSI A117-1-2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES



- B - APS
- B - CLINIC & MED SPA



1 OCCUPANT LOAD PLAN
1/16" = 1'-0"



2 LIFE SAFETY PLAN
3/32" = 1'-0"



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A NEW BUILDING FOR:

ASSOCIATED PLASTIC SURGEONS

I-470 BUSINESS & TECHNOLOGY CENTER
NE McBAIN DRIVE
LEE'S SUMMIT, MISSOURI



03/07/2025

PROJECT NO. 231206		
DRAWING ISSUANCE: JAN 28, 2025		
NO.	REVISION	DATE
1	Rev 01	03/07/2025

SHEET NUMBER

A0.0

PROJECT INFORMATION

DOOR SCHEDULE														
DOOR NUMBER	ELEVATION	LOCATION	SIZE			OPERATION	FIRE RATING	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	HARDWARE SET	REMARKS
			WIDTH	HEIGHT	THICKNESS									
FIN. FLR.														
01a	E	CLINIC & MED SPA ENTRANCE	6' - 0"	7' - 0"	0' - 2"	SW	NON	AF-GP	ALUM/GL	ANODIZED	ALUM	ANODIZED	1	ENTRY/EGRESS DOOR
01b	E	CLINIC & MED SPA ENTRANCE - VESTIBULE	6' - 0"	7' - 0"	0' - 2"	SW	NON	AF-GP	ALUM/GL	ANODIZED	ALUM	ANODIZED	1	ENTRY/EGRESS DOOR
02	B	CLINIC & MED SPA CORRIDOR - EXIT	3' - 0"	7' - 0"	0' - 1 5/8"	SW	NON	AF-GP	ALUM/GL	ANODIZED	HM	PAINTED	3	EGRESS DOOR
03	A	ELECTRICAL ROOM	3' - 0"	7' - 0"	0' - 1 5/8"	SW	NON	F	HM	PAINTED	HM	PAINTED	3	PROVIDE PANIC HARDWARE
04	A	FIRE ROOM	3' - 0"	7' - 0"	0' - 1 5/8"	SW	NON	F	HM	PAINTED	HM	PAINTED	4	
05	A	ASC CORRIDOR - EXIT	3' - 0"	7' - 0"	0' - 1 5/8"	SW	NON	F	HM	PAINTED	HM	PAINTED	3	EGRESS DOOR
06	A	SERVICE DOOR	3' - 0"	7' - 0"	0' - 1 5/8"	SW	NON	F	HM	PAINTED	HM	PAINTED	4	
07	A	SERVICE DOOR	3' - 0"	7' - 0"	0' - 1 5/8"	SW	NON	F	HM	PAINTED	HM	PAINTED	4	
08	A	SERVICE DOOR	3' - 0"	7' - 0"	0' - 1 5/8"	SW	NON	F	HM	PAINTED	HM	PAINTED	4	
09	E	ASC DISCHARGE	6' - 0"	7' - 0"	0' - 2"	SW	NON	AF-GP	ALUM/GL	ANODIZED	ALUM	ANODIZED	1	ENTRY/EGRESS DOOR
10a	D	ASC ENTRANCE	3' - 0"	7' - 0"	0' - 1 3/4"	SW	NON	AF-GP	ALUM/GL	ANODIZED	ALUM	ANODIZED	2	ENTRY/EGRESS DOOR
10b	D	ASC ENTRANCE - VESTIBULE	3' - 0"	7' - 0"	0' - 1 3/4"	SW	NON	AF-GP	ALUM/GL	ANODIZED	ALUM	ANODIZED	2	ENTRY/EGRESS DOOR
12														
Grand total: 12														

ABBREVIATION LEGEND

DOOR OPERATION

SW SWING
OH OVERHEAD
BF BIFOLD
PKT POCKET
SL SLIDING
BYP BYPASS

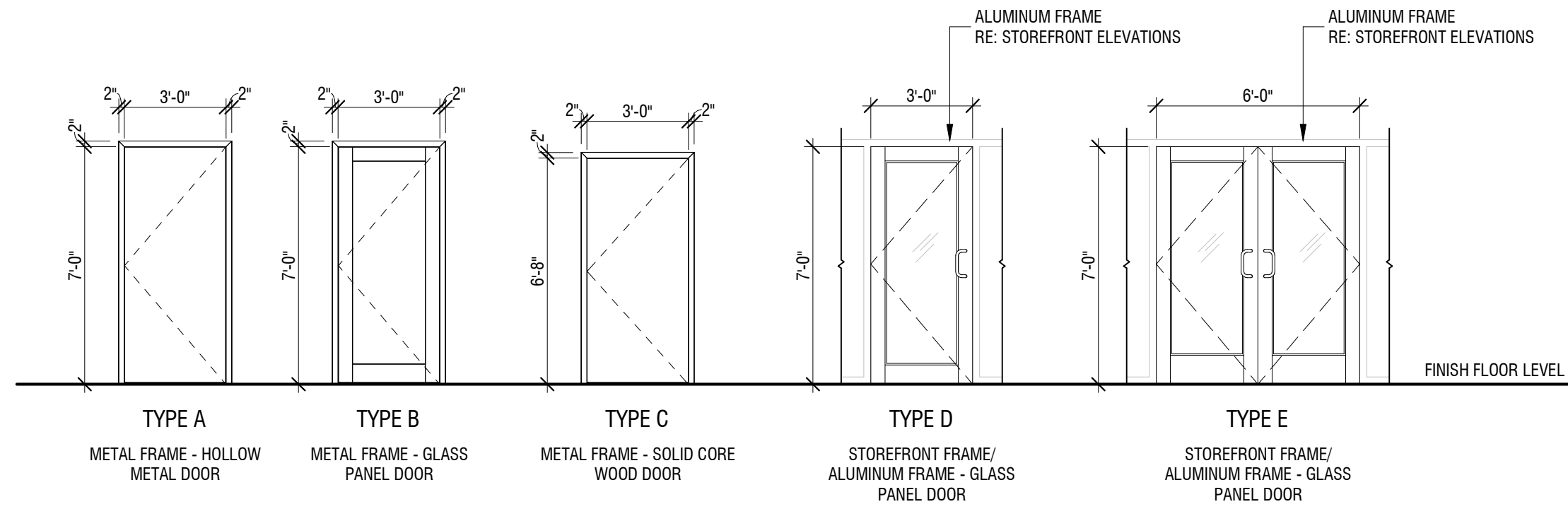
DOOR MATERIALS

WD WOOD
MTL METAL
SCW SOLID CORE WOOD
HCW HOLLOW CORE WOOD
HM HOLLOW METAL
ALUM ALUMINUM
GL GLASS

DOOR PANEL TYPE

F FLUSH PANEL
WF-GP WOOD FRAME/GLASS PANEL
AF-GP ALUMINUM FRAME/GLASS PANEL
MF-GP METAL FRAME/GLASS PANEL

DOOR ELEVATIONS



HARDWARE SCHEDULE:

SET 1
(6) BUTTS
(1) CARD READER LOCK SET
(1) FIRE EXIT/PANIC HARDWARE
(1) STOP CLOSER
THRESHOLD

SET 2
(3) BUTTS
(1) CARD READER LOCK SET
(1) FIRE EXIT/PANIC HARDWARE
(1) STOP CLOSER
THRESHOLD

SET 3
(3) BUTTS
(1) FIRE EXIT/PANIC HARDWARE
(1) STOP CLOSER
THRESHOLD

SET 4
(3) BUTTS
(1) STORAGE LOCK SET
(1) STOP CLOSER
THRESHOLD

NOTES:
1. PROVIDE MISC. ASSOCIATED HARDWARE (SILENCERS, SWEEPS) AS REQUIRED.
2. INSTALL EACH HARDWARE ITEM TO COMPLY WITH THE MANUFACTURER'S INSTRUCTIONS.
3. PROVIDE DRIP FLASHING AT ALL EXTERIOR DOORS.
4. SET THRESHOLDS FOR EXTERIOR DOORS IN FULL BED OF BUTYL RUBBER OR POLYISOBUTYLENE SEALANT.



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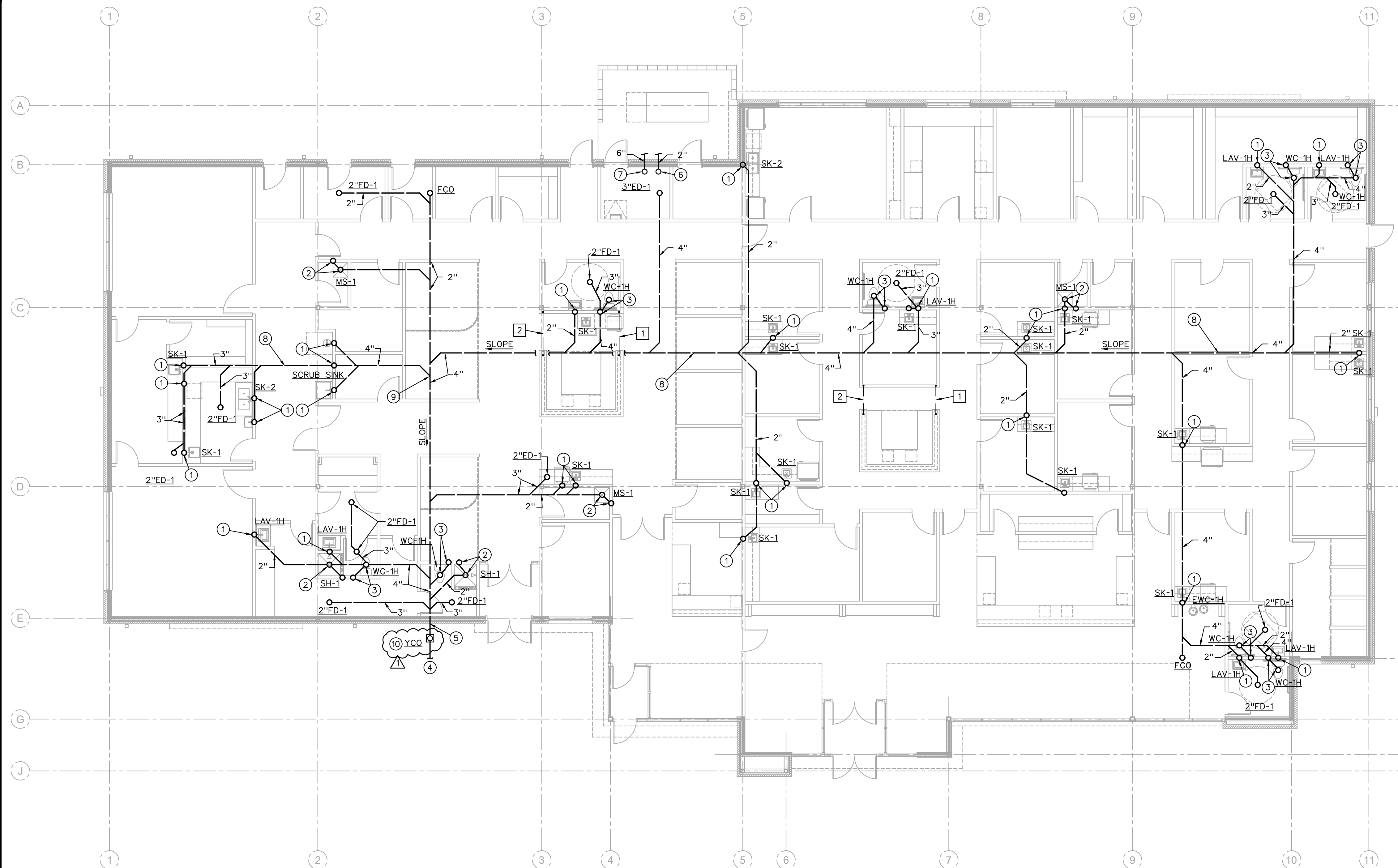
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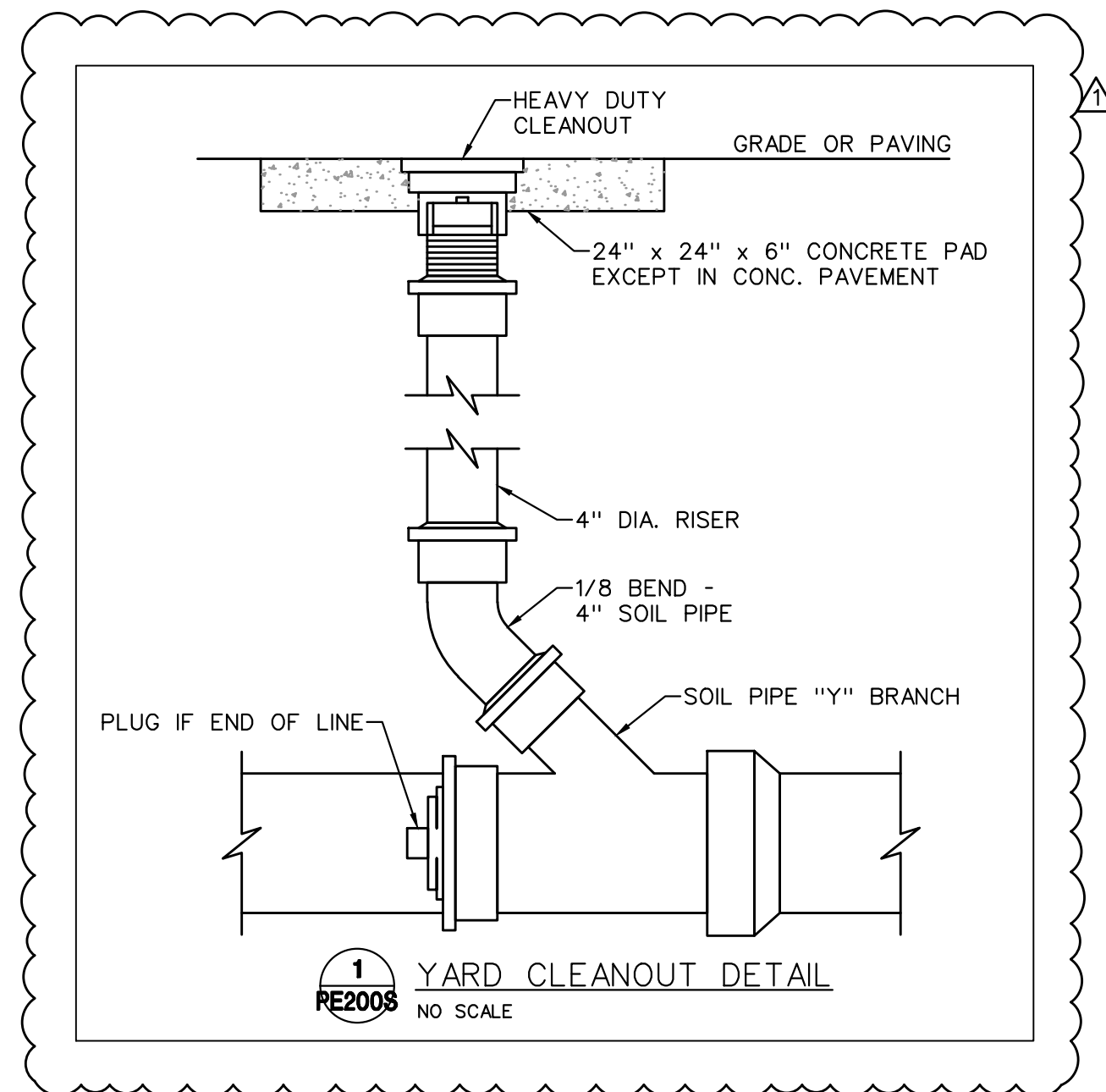
SHEET NUMBER

A6.0

DOOR & HARDWARE SCHEDULE



PLUMBING/ELECTRICAL UNDERFLOOR PLAN
1/8" = 1'-0"



PLUMBING PLAN NOTES

- 2" W UP TO FUTURE SINK, LAVATORY OR EQUIPMENT.
- 2" W UP TO FUTURE MOP SINK OR SHOWER, 2" V OVER AND TURN UP INTO FUTURE WALL.
- 4" S UP TO FUTURE WATER CLOSET, 2" V OVER AND TURN UP INTO FUTURE WALL.
- SEE SITE UTILITIES PLAN FOR CONTINUATION. COORDINATE WITH CIVIL DRAWINGS
- MINIMUM INVERT ELEVATION -42.125'.
- EXTEND 2" CW UP THROUGH FLOOR AND INSTALL BALL VALVE AND CAPPED CW SERVICE (FOR FUTURE EXTENSION).
- EXTEND 6" FIRE SUPPRESSOR SERVICE UP THROUGH FLOOR AND INSTALL APPROVED GATE VALVE WITH BLIND FLANGE (FOR FUTURE EXTENSION).
- SLOPE SANITARY AND WASTE PIPING A MINIMUM OF 1/8"/FT. (3" AND LARGER) AND 1/4"/FT (2-1/2" AND SMALLER).
- SLOPE FROM THIS POINT TO THE EXTERIOR WALL SHALL BE A MINIMUM OF 1/4"/FT.
- INSTALL YARD CLEANOUT WITHIN 30" OF EXTERIOR WALL. SEE DETAIL THIS SHEET.

ELECTRICAL PLAN NOTES

- 1" CONDUIT INSTALLED BELOW GRADE FOR DATA CABLES AT NURSES STATION. STUB CONDUIT UP 6" AT BOTH ENDS, INSTALL PULL-STRING AND CAP AT BOTH ENDS FOR FUTURE USE.
- 1" CONDUIT INSTALLED BELOW GRADE FOR WIRING OF RECEPTACLES AT NURSES STATION. STUB CONDUIT UP 6" AT BOTH ENDS, INSTALL PULL-STRING AND CAP AT BOTH ENDS FOR FUTURE USE.

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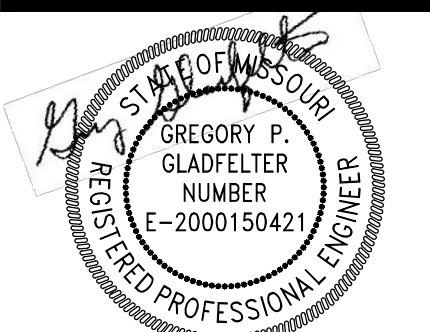
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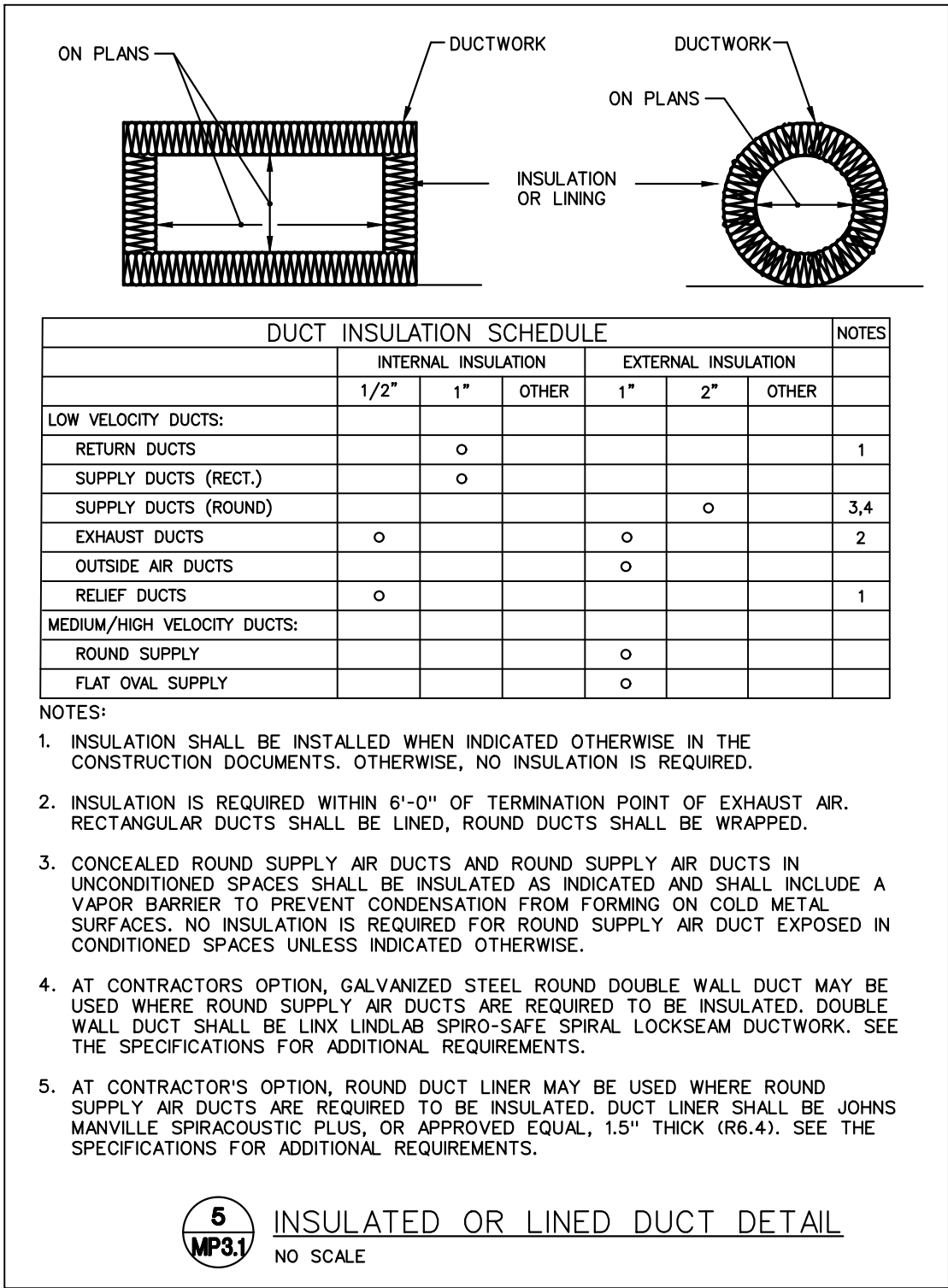
03/07/2025

PROJECT NO. 231206

DRAWING ISSUANCE
09/27/2024 BUILDING SHELL PERMIT
02/03/2025 BUILDING SHELL PERMIT
03/07/2025 REVISION #1 CITY COMMENTS

SHEET NUMBER

PE200S
FLOOR PLAN



PLUMBING SPECIFICATION

1. INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL PLUMBING CODE, NFPA 90A AND 101 AND ALL STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
2. ALL WATER BEARING PIPING SHALL BE SLOPED FOR DRAINAGE WITH BALL DRAIN VALVES AT LOW POINTS.
3. DRAINAGE PIPING SHALL BE SLOPED IN ACCORDANCE WITH CODE, BUT NOT LESS THAN 1/8" PER FOOT FOR 3" AND LARGER PIPING AND 1/4" PER FOOT FOR 2-1/2" AND SMALLER PIPING. ALL INVERT ELEVATIONS SHALL BE COORDINATED WITH THE STRUCTURAL FOOTINGS.
4. PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS.
5. CAULK AND SEAL ALL DUCT AND PIPING PENETRATIONS OF EXTERIOR OR DEMISING WALLS.
6. ABOVE GROUND WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH SOLVENT CEMENT JOINTS, EXCEPT USE STANDARD WEIGHT NO-HUB CAST IRON IN AIR PLENUMS. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL WITH SCREWED JOINTS. PAINT ALL EXTERIOR PIPING WITH UV RESISTANT PAINT.
7. ABOVE GROUND WATER PIPING SHALL BE COPPER.
8. SERVICE VALVES FOR WATER PIPING SYSTEMS UP THRU 2" SHALL BE 1/4 TURN, 150 LB. BALL VALVE WITH BRONZE CHROME PLATED BALL AND TFE SEATS, NIBCO S-585-70.
9. COPPER DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" FIBERGLASS WITH ALL SERVICE JACKET OR COMPARABLE UNICELLULAR INSULATION WITH SMOKE/FLAME RATING OF 25/50. WHEN INSTALLED WITHIN A CHASE ALONG AN EXTERIOR WALL, THE INSULATION SHALL BE 1-1/2" FIBERGLASS AND THE PIPING SHALL BE LOCATED ON THE INTERIOR SIDE OF THE BUILDING WALL INSULATION.
10. NATURAL GAS PIPING (ABOVE GROUND) SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED JOINTS. CONNECT USING JOINT COMPOUND SUITABLE FOR NATURAL GAS PIPING. ALL EXPOSED BLACK STEEL NATURAL GAS PIPING SHALL BE PROTECTED WITH A RUST INHIBITING COATING IN ACCORDANCE WITH THE PLUMBING CODE.
11. SERVICE VALVES FOR WATER PIPING SYSTEMS UP THRU 2" SHALL BE 1/4 TURN, 150 LB. BALL VALVE WITH BRONZE CHROME PLATED BALL AND TFE SEATS, NIBCO S-585-70.
12. GAS SERVICE VALVES TO BE LUBRICATED PLUG COCKS, ROCKWELL 142 OR 143. CONNECTIONS TO EQUIPMENT SHALL HAVE SERVICE VALVES, 6" MINIMUM DIRT LEG AND UNION OR AT CONTRACTOR OPTION, UL LISTED APPLIANCE FLEXIBLE CONNECTORS MAY BE USED.
13. PROVIDE PLUMBING DRAINAGE FIXTURES AS SCHEDULED OR SELECTED BY OWNER WITH ALL REQUIRED TRIM AND ACCESSORIES FOR A COMPLETE WORKING AND CODE COMPLIANT INSTALLATION. REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATION OF THE DRAINAGE FIXTURES.
14. TEST AND CLEAN PIPING SYSTEMS PER INDUSTRY STANDARDS. PRESSURE TEST OF PRESSURE PIPING SHALL BE AT 1-1/2 TIMES THE ANTICIPATED OPERATING PRESSURE, BUT NOT LESS THAN 50 PSIG FOR 2 HOURS. NON-PRESSURIZED SYSTEMS SHALL BE TESTED WITH 10' WATER COLUMN ABOVE NORMAL OPERATING CONDITIONS OR 5 PSI FOR 2 HOURS. THERE SHALL BE NO MEASURABLE DROP DURING THE TEST PERIOD.

MECHANICAL SPECIFICATION

1. INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL AND FUEL GAS CODES, NFPA 90A AND 101 AND ALL STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
2. COORDINATE EXACT LOCATIONS AND ORIENTATION OF EQUIPMENT WITH ARCHITECTURAL AND STRUCTURAL REQUIREMENTS. EQUIPMENT SHALL BE SCREENED IN ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENTS AND AS SHOWN ON ARCHITECTURAL DRAWINGS.
3. DUCTWORK FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH SMACNA STANDARDS.
4. ALL DUCTWORK SHALL BE SHEET METAL, CONSTRUCTED TO SMACNA STANDARDS, MINIMUM OF 2" WG PRESSURE CLASS AND SEAL CLASS 'C' MINIMUM. ALL LONGITUDINAL AND TRANSVERSE JOINTS TO BE SEALED, EXCEPT AS OTHERWISE NOTED. ROUND AND FLEX DUCT CONNECTIONS SHALL BE MADE WITH SPIN COLLARS WITH EXTRACTORS AND VOLUME DAMPERS.
5. RECTANGULAR DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR SHALL INCLUDE AN ALLOWANCE FOR 1" DUCT LINER IN LOW VELOCITY DUCTS WHERE APPLICABLE. CONCEALED ROUND DUCTS SHALL BE INSULATED WITH 2" DUCT WRAP. EXPOSED ROUND DUCTS DO NOT NEED TO BE INSULATED.
6. PROVIDE FLEXIBLE FABRIC CONNECTORS AT ALL DUCTWORK CONNECTIONS TO ROTATING EQUIPMENT. CONNECTORS EXPOSED TO SUNLIGHT SHALL BE MADE OF UV RESISTANT MATERIAL.
7. TRAP ALL CHILLED CONDENSATE DRAINS AS DETAILED OR AS REQUIRED. PROVIDE A TRAP DEPTH 1" GREATER THAT SYSTEM FAN DEVELOPED STATIC PRESSURE. INSURE AND CERTIFY THAT CONDENSATE DRAINS ARE POSITIVELY SLOPED AT 1"/20' MINIMUM IN DIRECTION OF FLOW.
8. ALL ROOF MOUNTING, FLASHINGS AND PENETRATION WORK ASSOCIATED WITH MECHANICAL AND PLUMBING WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE ROOFING MANUFACTURER'S WARRANTY REQUIREMENTS.
9. TEST AND CLEAN PIPING SYSTEMS PER INDUSTRY STANDARDS. PRESSURE TEST OF PRESSURE PIPING SHALL BE AT 1-1/2 TIMES THE ANTICIPATED OPERATING PRESSURE, BUT NOT LESS THAN 50 PSIG FOR 2 HOURS. NON-PRESSURIZED SYSTEMS SHALL BE TESTED WITH 10' WATER COLUMN ABOVE NORMAL OPERATING CONDITIONS OR 5 PSI FOR 2 HOURS. THERE SHALL BE NO MEASURABLE DROP DURING THE TEST PERIOD.
10. TEST AND BALANCE ALL SYSTEMS.

PLUMBING DRAINAGE FIXTURE SCHEDULE

- A. INSTALL PLUMBING FIXTURES AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S DRAWINGS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WATER-CONSERVING FIXTURES AND APPURTENANCES IF/AS REQUIRED BY LOCAL AUTHORITIES. CONFIRM ALL LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS. CAULK FIXTURES TO WALLS/FLOORS. SET COUNTER MOUNTED SINKS AND LAVATORIES IN A BED OF CAULK. THE SPECIFIED PLUMBING FIXTURES, OR APPROVED EQUALS, SHALL BE USED UNLESS OTHERWISE NOTED OR INDICATED.
- B. ROOF DRAINS (RD-1) WADE #3000-32CAST IRON ROOF DRAIN WITH FLANGE, FLASHING RING WITH GRAVEL STOP AND POLY LOCKING DOME STRAINER. J.R. SMITH FIGURE 1010-YE OR 1010-E (OR APPROVED EQUAL) WITH UNDERDECK CLAMP (WHERE REQUIRED), SUMP RECEIVER, EXTENSION SLEEVE (FOR INSULATED ROOFS), SECONDARY FLASHING DEVICE (IF REQUIRED) AND 16" DIAMETER ROUND TOP.
- C. OVERFLOW ROOF DRAINS (OD-1) WADE #3000-32-D CAST IRON ROOF DRAIN WITH FLANGE FLASHING RING WITH GRAVEL STOP, 2" HIGH DAM AND POLY LOCKING DOME STRAINER. J.R. SMITH FIGURE 1080-YE OR 1080-E (OR APPROVED EQUAL), WITH UNDERDECK CLAMP (WHERE REQUIRED), SUMP RECEIVER, EXTENSION SLEEVE (FOR INSULATED ROOFS), SECONDARY FLASHING DEVICE (IF REQUIRED) AND 16" DIAMETER ROUND TOP.
- D. DOWNSPOUT NOZZLES (DS-1) WADE #3940-3 ROUGH BRONZE DOWNSPOUT NOZZLE WITH FLANGE TO SECURE NOZZLE TO SECURE TO WALL. THREADED CONNECTIONS.
- E. FINISHED FLOOR CLEANOUTS: (FFCO) WADE #6000-1-2-5 CAST IRON FLOOR CLEANOUT WITH FLANGE, PLASTIC TAPERED PLUG AND SQUARE NICKEL BRONZE ADJUSTABLE TOP. PROVIDE WITH CARPET CLEANOUT MARKER WHEN CLEANOUT IS LOCATED BELOW CARPET. COORDINATE WITH ARCHITECTURAL PLANS.
- F. FINISHED WALL CLEANOUTS: (FWCO) WADE #B560, W/ 8304-85-6 CAST IRON CLEANOUT TEE WITH BRASS PLUG AND 6" ROUND STAINLESS STEEL ACCESS COVER. J.R. SMITH FIGURE 4530. PROVIDE DUCO CAST IRON WALL CLEANOUT TEE WITH COUNTERSUNK PLUG. DELETE COVER PLATE IF CLEANOUT IS IN EXPOSED LOCATION.

HVAC SYSTEM SAFETY CONTROLS

1. DUCT SMOKE DETECTORS SHALL BE FURNISHED BY THE HVAC CONTRACTOR. SEE ELECTRICAL FOR INTEGRATION OF ALL SMOKE DETECTION AND SHUTDOWN OF EQUIPMENT. ALL HVAC EQUIPMENT IN EXCESS OF 2000 CFM SHALL BE EQUIPPED WITH SMOKE DETECTORS IN THE RETURN AIR STREAM OF THE UNIT, WHERE MULTIPLE HVAC UNIT FANS SHARE A COMMON RETURN AIR PLENUM (IN EXCESS OF 2,000 CFM COMBINED). ALL HVAC UNITS (INCLUDING VAV BOX FANS OR OTHER FANS ASSOCIATED WITH THE PLENUM) SHALL BE PROVIDED WITH A SMOKE DETECTOR. WHERE DUCT MOUNTED DETECTORS ARE SHOWN OR REQUIRED, USE DUCT INSERTION TUBE TYPE DETECTORS. IF FIRE ALARM SYSTEM IS INSTALLED, COORDINATE TYPE OF SMOKE DETECTOR WITH THE FIRE ALARM CONTRACTOR. IF A FIRE ALARM SYSTEM IS NOT PROVIDED, COORDINATE INSTALLATION OF A STROBE/HORN WITH THE ELECTRICAL CONTRACTOR TO NOTIFY OCCUPANTS OF THE SENSING OF SMOKE AT A SMOKE DETECTOR.

RTU ROOFTOP UNIT SCHEDULE (GAS-FIRED)																																	
MARK NO.	LOCATION	MANUFACTURER	MODEL NO.	ARRANGEMENT	DISCHARGE	DRY BULB ECONOMIZER	SUPPLY						COOLING										HEATING			ELECTRICAL					WEIGHT	REMARKS	
							CFM	MIN. O.A.	EXT. S.P. IN. W.G.	FAN TYPE	FAN SIZE	RPM	EVAP. HP	AMBIENT °F	EDB °F	EWB °F	LDB °F	LWB °F	TOTAL MBH	SENS. MBH	MAX FPM	STAGES	UNIT EER	INPUT MBH	OUTPUT MBH	STAGES	VOLT	ø	HZ	MCA			MOCP
RTU-1	ROOF	TRANE	YHK036A4SOL	HORIZ.	DOWN	Y	1325	-	1.0	-	-	879	1.0	105	72.3	64.5	57.8	55.8	33.4	19.8	-	-	13.0	80	64.8	2	480	3	60	11.0	15.0	807	1-7,9
RTU-2	ROOF	TRANE	YHK036A4SOL	HORIZ.	DOWN	Y	1340	-	1.0	-	-	884	1.0	105	72.4	64.7	58.1	56.1	33.6	18.7	-	-	13.0	80	64.8	2	460	3	60	11.0	15.0	807	1-7,9
RTU-3	ROOF	TRANE	YSK150A4SOL	HORIZ.	DOWN	Y	4000	-	0.5	-	-	1341	5.0	105	84.2	69.7	60.3	58.4	137.2	95.3	-	-	10.8	150	121.5	2	460	3	60	33	45	1326	1-9
RTU-4	ROOF	TRANE	YHK036A4SOL	HORIZ.	DOWN	Y	1390	-	0.5	-	-	901	0.75	105	77.7	65.7	59.3	57.28	34.9	26.47	-	-	13.0	80	64.8	2	460	3	60	11.0	15.0	807	1-7
RTU-5	ROOF	TRANE	YSK150A4SOL	HORIZ.	DOWN	Y	5235	-	0.50	-	-	1686	5.0	105	77.0	64.8	59.8	56.71	135.11	100.7	-	-	10.8	150	121.5	2	460	3	60	33	45	1451	1-8
RTU-6	ROOF	TRANE	YHK048A4SOL	HORIZ.	DOWN	Y	1650	-	0.50	-	-	725	3.0	105	76.8	66.3	57.8	56.5	45.50	30.60	-	-	13.0	80	64.8	2	460	3	60	16	20	1052	1-8
RTU-7	ROOF	TRANE	YSK150A4SOL	HORIZ.	DOWN	Y	4330	-	0.50	-	-	1432	5.0	105	78.5	66.3	59.26	56.46	138.01	93.6	-	-	10.8	150	121.5	2	460	3	60	33	45	1451	1-8
RTU-8	ROOF	TRANE	YSK102A4SOL	HORIZ.	DOWN	Y	3315	-	0.50	-	-	1233	3.0	105	80	67	58.5	57.3	102.9	75.7	-	-	11.0	120	97.2	2	480	3	60	26	35	1091	1-8

- NOTES:
1. PROVIDE 2' MERV 8 THROWAWAY AIR FILTERS.
2. PROVIDE 14" HIGH INSULATED ROOF CURB.
3. PROVIDE WITH ENTHALPY ECONOMIZER.
4. PROVIDE WITH 7 DAY PROGRAMMABLE THERMOSTAT WITH STAGED HEATING AND COOLING CAPABILITY AS REQUIRED FOR OPERATION OF AUXILIARY HEATING, COOLING AND ECONOMIZER CONTROLS.
5. PROVIDE FLEXIBLE DUCT CONNECTORS AT ALL DUCT TO UNIT CONNECTIONS.
6. PROVIDE FUSED DISCONNECT SWITCH.
7. MINIMUM OA SETTING SHALL BE DETERMINED DURING TENANT IMPROVEMENT PHASE.
8. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL SMOKE DETECTORS IN SUPPLY AIR AND RETURN AIR DUCTS..
9. PROVIDE LOW AMBIENT CONTROL TO 0 DEGREES F.
10. DISABLE ECONOMIZER IF ONE EXISTS. OA VOLUME CALCULATED PER "MO DEPARTMENT OF HEALTH AND SENIOR SERVICES" REQUIREMENTS.
11. INFORMATION FROM ORIGINAL CONSTRUCTION DOCUMENTS FOR THIS SPACE USED TO POPULATE THIS SCHEDULE. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPENCY.



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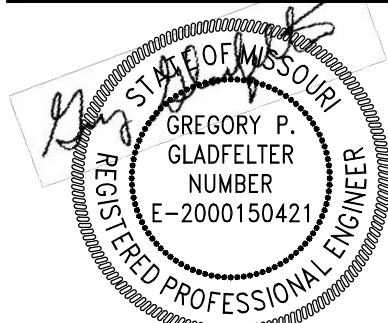
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A NEW BUILDING FOR:

ASSOCIATED PLASTIC SURGEONS

1-470 BUSINESS & TECHNOLOGY CENTER
NE McBAIN DRIVE
LEE'S SUMMIT, MISSOURI



03/07/2025

PROJECT NO. 231206

DRAWING ISSUANCE

09/27/2024 BUILDING SHELL PERMIT
02/03/2025 BUILDING SHELL PERMIT
03/07/2025 REVISION #1 CITY COMMENTS

SHEET NUMBER

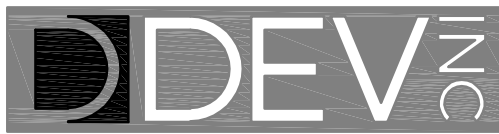
MP300S
FLOOR PLAN

ELECTRICAL SYMBOLS

	BRANCH CIRCUIT CONCEALED IN CEILING OR WALL. ARROWS INDICATE HOMERUNS TO PANEL. ALL CONDUCTORS ARE #12 EXCEPT AS NOTED.
	CONDUIT RUN UNDERGROUND OR BENEATH FLOOR SLAB.
	GROUNDING CONDUCTOR #12 EXCEPT AS NOTED.
	WALL MOUNTED JUNCTION BOX.
	CEILING MOUNTED JUNCTION BOX.
	PANELBOARD (SURFACE MOUNTED). INSTALL W/TOP 6'-0" AFF.
	DISTRIBUTION PANEL (SURFACE MOUNTED).
	DISCONNECT SWITCH. SIZED AS NOTED.
	COMBINATION EXIT/EMERGENCY LIGHT FIXTURE WITH (2) HEADS
	CEILING OR WALL MOUNTED EMERGENCY LIGHTING UNIT WITH (2) HEADS.
	LED STRIP FIXTURE.
	WALL MOUNTED LIGHT FIXTURE.
	REMOTE WEATHERPROOF EMERGENCY LIGHT FIXTURE.
	SINGLE POLE SWITCH. +3'-10" AFF.
	THREE-WAY SWITCH +3'-10" AFF.
	OCCUPANCY SENSOR. +3'-10" AFF.
	DUPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED.
	DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP.
	DUPLEX RECEPTACLE WITH WEATHERPROOF PLATE. HEIGHT AS NOTED.
	DUPLEX RECEPTACLE W/GROUND FAULT PROTECTION. +1'-6" AFF OR AS NOTED.
	FOURLEX RECEPTACLE. +1'-6" AFF OR AS NOTED.
	COMBINATION VOICE/DATA OUTLET WITH 3/4" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. +1'-6" AFF OR AS NOTED.
	COMBINATION VOICE/DATA OUTLET WITH 3/4" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. INSTALLED ABOVE COUNTERTOP.
+3'-10"	HEIGHT TO CENTERLINE OF OUTLET BOX ABOVE FINISHED FLOOR.
RTU-1	ROOF TOP UNIT AND NUMBER.
AFF	ABOVE FINISH FLOOR.
EC	ELECTRICAL CONTRACTOR.
TTB	TELEPHONE TERMINAL BOARD
AFC	AVAILABLE FAULT CURRENT
EGC	EQUIPMENT GROUNDING CONDUCTOR (EQUIPMENT GROUNDS)
GEC	GROUNDING ELECTRODE CONDUCTOR (SERVICE GROUNDS)
MBJ	MAIN BONDING JUMPER

ELECTRICAL GENERAL NOTES

- A) CONTRACTOR SHALL COORDINATE INSTALLATION REQUIREMENTS AND SCHEDULING OF ALL WORK WITH ARCHITECT AND GENERAL CONTRACTOR.
- B) INSTALLATION SHALL COMPLY WITH LATEST EDITION OF N.E.C. AND LOCAL AUTHORITY HAVING JURISDICTION.
- C) CONTRACTOR SHALL BE LICENSED TO PERFORM WORK IN MUNICIPALITY WHERE PROJECT IS LOCATED.
- D) ALL WIRING SHALL BE INSTALLED IN CONDUIT. EMT CONDUIT WITH SET SCREW FITTINGS MAY BE UTILIZED WHERE PERMITTED BY CODE. MINIMUM CONDUIT SIZE SHALL BE 1/2".
- E) ALL WIRING SHALL BE COPPER WITH 600 VOLT INSULATION AND COLOR CODED, UNLESS NOTED OTHERWISE.
- F) ALUMINUM WIRING SHALL ONLY BE USED FOR FEEDERS FROM TRANSFORMER TO MAIN DISTRIBUTION PANEL. ALUMINUM CONDUCTORS SHALL BE ALCAN STABLOY AA-8000 SERIES, 600 VOLT INSULATION.
- G) CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMIT AND INSPECTION FEES.
- H) MC CABLE MAY BE INSTALLED WHERE PERMITTED BY CODE. CONDUCTORS SHALL BE MINIMUM #12 GAUGE AND COPPER.
- I) INSTALL BLANK COVER PLATE ON ALL PULL BOXES AND JUNCTION BOXES.
- J) TYPEWRITTEN PANELBOARD DIRECTORY SHALL BE PROVIDED FOR PANELBOARD AND CORRECTLY FILLED OUT.
- K) CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL WORK WITH ALL OTHER TRADES INVOLVED WITH CONSTRUCTION OF PROJECT.
- L) ALL WIRING DEVICES SHALL BE RATED 20 AMP, OR AS NOTED ON DRAWINGS. COORDINATE LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- M) CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING OF ALL CONDUITS TO NEW EQUIPMENT.
- N) FURNISH MATERIALS AND LABOR FOR A COMPLETE AND OPERATIONAL ELECTRICAL INSTALLATION.
- O) MATERIAL AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE 'UL' LABELS AS REQUIRED.
- P) CONTRACTOR SHALL COORDINATE INSTALLATION OF EQUIPMENT FURNISHED BY OTHERS.
- Q) PANELBOARD, TRANSFORMERS, MAIN DISTRIBUTION PANEL AND DISCONNECT SWITCHES SHALL BE MANUFACTURED BY ITE/SIEMENS OR EQUAL.
- R) ALL CONCRETE PADS AND POLE BASES ARE PROVIDED AND INSTALLED BY OTHERS.
- S) PVC (SCHEDULE 40) CONDUIT MAY BE USED FOR CONDUITS INSTALLED BELOW FINISHED GRADE OR CONCRETE FLOOR SLAB. PROVIDE WITH APPROVED FITTINGS.
- T) DISCONNECT SWITCHES SHALL BE MANUFACTURED BY ITE/SIEMENS OR EQUAL. NEMA 1 FOR INDOOR INSTALLATION AND NEMA 3R FOR OUTDOOR INSTALLATION.
- U) ALL LIGHT FIXTURES AND DEVICES MOUNTED IN CEILING SHALL BE BRACED TO RESIST SEISMIC FORCES IN ACCORDANCE WITH IBC, NEC, AND LOCAL AUTHORITY HAVING JURISDICTION.
- V) THERMOSTAT OUTLET BOXES SHALL BE PROVIDED AND INSTALLED WITH 3/4" CONDUIT STUBBED UP OUT TOP OF BOX TO ABOVE ACCESSIBLE CEILING. PROVIDE BUSHING ON END OF CONDUIT.
- W) EMERGENCY AND EXIT LIGHT FIXTURES SHALL BE PROVIDED WITH BATTERY BACK-UP FOR MINIMUM OF (90) MINUTES. EMERGENCY AND EXIT LIGHT FIXTURES SHALL BE CONNECTED TO HOT LEG OF CIRCUIT, NOT SWITCHED.



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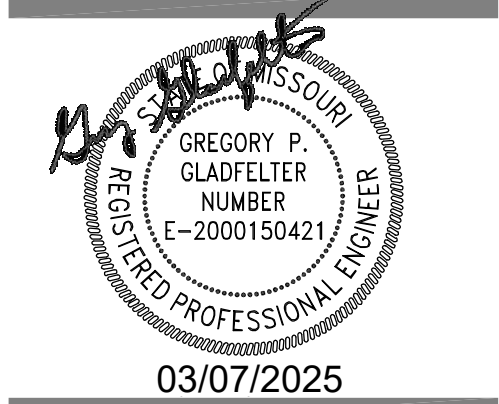
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ASSOCIATED PLASTIC SURGEONS

A NEW BUILDING FOR:

I-470 BUSINESS & TECHNOLOGY CENTER
NE McBAIN DRIVE
LEE'S SUMMIT, MISSOURI



03/07/2025

PROJECT NO. 231206

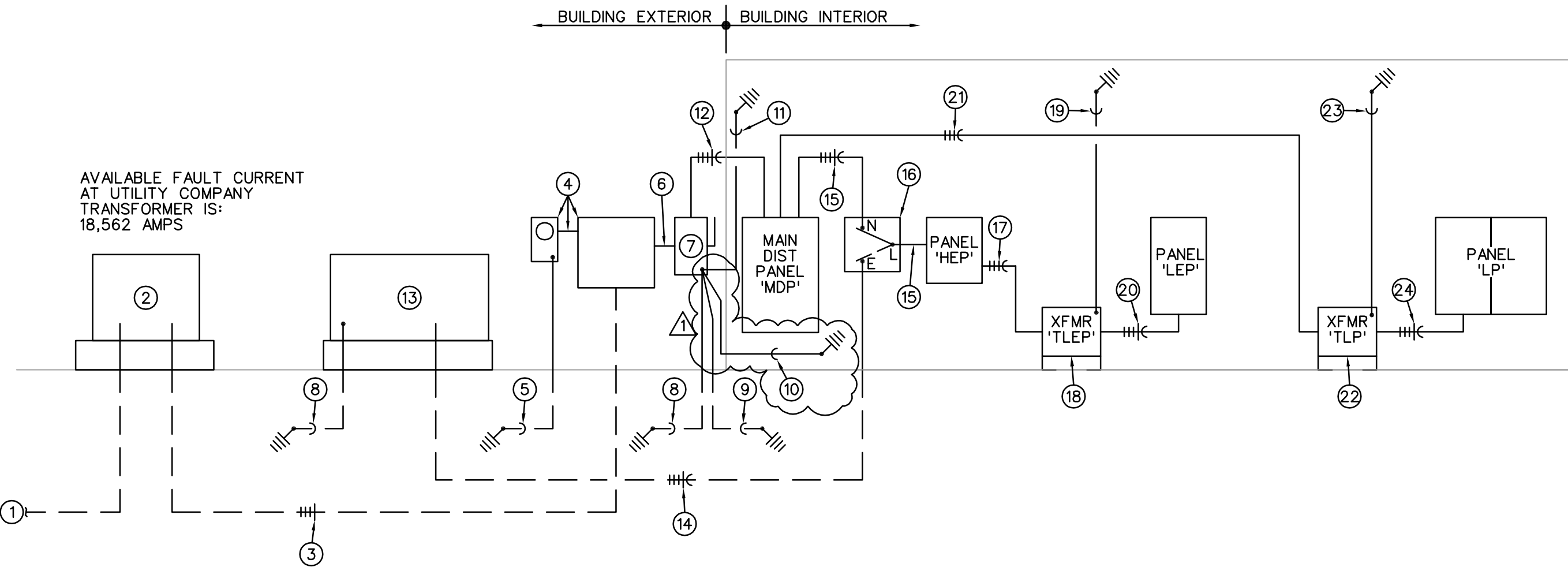
DRAWING ISSUANCE

08/27/2024
03/07/2025

SHELL PERMIT
CITY COMMENTS

SHEET NUMBER

E3.0S
RISER/NOTES

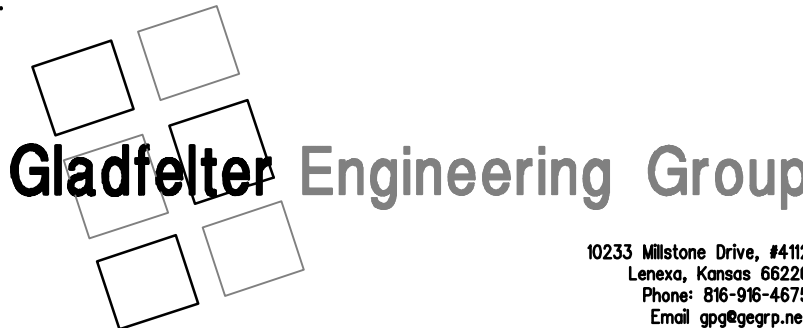


ELECTRICAL RISER DIAGRAM

NO SCALE

ELECTRICAL RISER DIAGRAM NOTES

- TWO (2) 4" PVC CONDUITS FOR PRIMARY SERVICE CABLES. TERMINATE AT PROPERTY LINE. INSTALL CONDUITS WITH TOP MINIMUM OF 3'-6" BELOW FINISHED GRADE.
- UTILITY COMPANY PAD MOUNT TRANSFORMER WITH 480Y/277V PRIMARY. INSTALL CONCRETE PAD PER UTILITY COMPANY STANDARDS.
- THREE (3) SETS OF 3" PVC CONDUIT WITH 4-#400KCMIL (AL) IN EACH. INSTALL CONDUITS WITH TOP MINIMUM OF 3'-6" BELOW FINISHED GRADE.
- UTILITY COMPANY CT CABINET, METER CAN/SOCKET AND 1-1/4" CONDUIT FOR METERING CABLES. INSTALL PER UTILITY COMPANY REQUIREMENTS.
- 3/4" CONDUIT WITH 1-#6 (CU) GROUNDING ELECTRODE CONDUCTOR. CONNECT TO 5/8" ROUND x 10'-0" LONG COPPER CLAD STEEL DRIVEN GROUND ROD.
- THREE (3) SETS OF 3" CONDUIT WITH 4-#400KCMIL (AL) IN EACH.
- 800A/3P, FUSED, NEMA 3R DISCONNECT SWITCH WITH (3) 800A FUSES.
- 3/4" CONDUIT WITH 1-#6 (CU) GROUNDING ELECTRODE CONDUCTOR. CONNECT TO 3/4" ROUND x 12'-0" LONG COPPER CLAD STEEL DRIVEN GROUND ROD.
- 3/4" CONDUIT WITH 1-#4 (CU) GROUNDING ELECTRODE CONDUCTOR. CONNECT TO 20'-0" LONG COPPER CLAD STEEL CONDUCTOR IN CONCRETE BUILDING FOOTING.
- 3/4" CONDUIT WITH 1-#2/0 (CU) GROUND WIRE. CONNECT TO COLD WATER SERVICE PIPE, AHEAD OF MAIN SHUT-OFF.
- 3/4" CONDUIT WITH 1-#2/0 (CU) GROUND WIRE. CONNECT TO BUILDING STEEL.
- THREE (3) SETS OF 3" CONDUIT WITH 4-#400KCMIL (AL) AND 1-#1/0 (CU) EQUIPMENT GROUNDING CONDUCTOR IN EACH.
- 100KW/125KVA, 277/480V, 3-PHASE, 4-WIRE EMERGENCY GENERATOR WITH 150A/3P OUTPUT CIRCUIT BREAKER. NEMA 3R ENCLOSURE.
- 2" PVC CONDUIT WITH 4-#1/0 (CU) AND 1-#6 (CU) EQUIPMENT GROUNDING CONDUCTOR IN EACH.
- 2" CONDUIT WITH 4-#1/0 (CU) AND 1-#6 (CU) EQUIPMENT GROUNDING CONDUCTOR IN EACH.
- 150A/3P/SN AUTOMATIC TRANSFORMER SWITCH. NEMA 1 ENCLOSURE.
- 1-1/4" CONDUIT WITH 3-#3 (CU) AND 1-#8 (CU) EQUIPMENT GROUNDING CONDUCTOR.
- 75KVA TRANSFORMER WITH 480VOLT DELTA PRIMARY - 208Y/120V, 3-PHASE, 4W SECONDARY. INSTALL ON VIBRATION ISOLATION PAD.
- 3/4" CONDUIT WITH 1-#2 (CU) GROUNDING ELECTRODE CONDUCTOR. CONNECT TO BUILDING STEEL.
- 2" CONDUIT WITH 4-#3/0 (CU) AND 1-#6 (CU) EQUIPMENT GROUNDING CONDUCTOR.
- 2-1/2" CONDUIT WITH 3-#250KCMIL (CU) AND 1-#4 (CU) EQUIPMENT GROUNDING CONDUCTOR.
- 150KVA TRANSFORMER WITH 480VOLT DELTA PRIMARY - 208Y/120V, 3-PHASE, 4W SECONDARY. INSTALL ON VIBRATION ISOLATION PAD.
- 3/4" CONDUIT WITH 1-#2 (CU) GROUNDING ELECTRODE CONDUCTOR. CONNECT TO BUILDING STEEL.
- TWO (2) SETS OF 2" CONDUITS WITH 4-#3/0 (CU) AND 1-#3 (CU) EQUIPMENT GROUNDING CONDUCTOR IN EACH.



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