

STONE AND MASONRY VENEER SHALL BE INSTALLED IN ACCORDANCE WITH R103.1, TABLE R103.4 AND FIGURE R103.7. THESE VENEERS INSTALLED OVER A BACKING OF WOOD SHALL BE LIMITED TO THE FIRST STORY ABOVE-GRADE AND SHALL NOT EXCEED 5 INCHES IN THICKNESS. COMPLY WITH SECTION R602.12 FOR WALL BRACING REQUIREMENTS FOR MASONRY VENEER FOR WOOD FRAMED CONSTRUCTION.

R103.6.2 SIDING TO BE PORTLAND CEMENT PLASTER APPLIED TO METAL LATH, THREE COATS - 7/8 INCH THICKNESS ON A VAPOR-PERMEABLE, WATER-RESISTANT BUILDING PAPER OVER SHEATHING AND FRAMING.

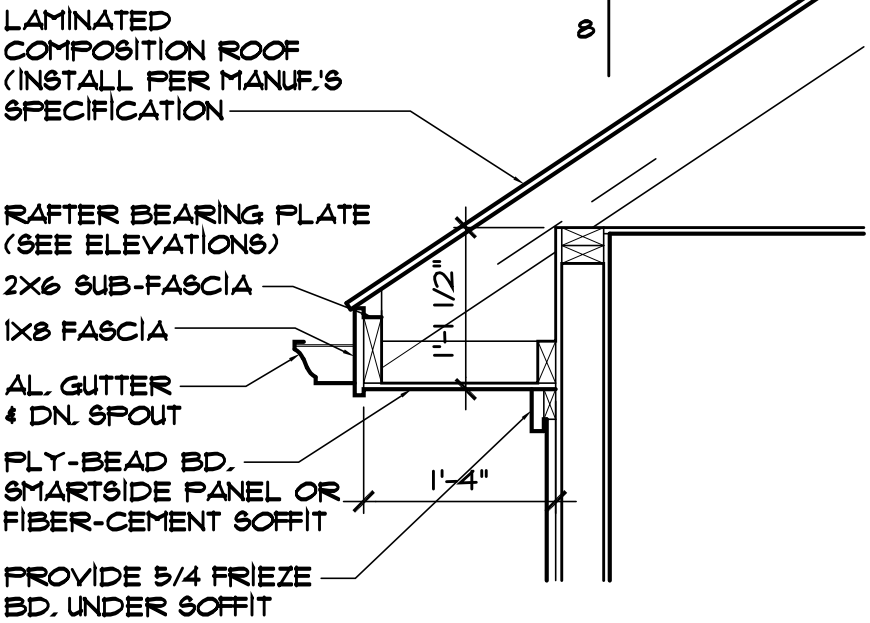
INSTALLATION OF EXTERIOR PLASTER SHALL BE IN COMPLIANCE WITH ASTM C 926 AND ASTM C 1063 AND THE PROVISIONS OF R103.6.

R103.6.1 LATH. ALL LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION-RESISTANT MATERIALS. EXPANDED METAL OR WOVEN WIRE LATH SHALL BE ATTACHED WITH 7/8" 16 GA. STAPLES SPACED 6" APART.

R103.2 WEATHER-RESISTANT SHEATHING PAPER. ASPHALT SATURATED FELT FREE FROM HOLES AND BREAKS, WEIGHING NOT LESS THAN 14 POUNDS PER 100 SQUARE FEET AND COMPLYING WITH ASTM D 226 OR OTHER APPROVED WEATHER-RESISTANT MATERIAL SHALL BE APPLIED OVER STUDS OR SHEATHING OF ALL EXTERIOR WALLS AS REQUIRED BY TABLE R103.4. SUCH FELT OR MATERIAL SHALL BE APPLIED HORIZONTALLY, WITH THE UPPER LAYER LAPPED OVER THE LOWER LAYER NOT LESS THAN 2 INCHES. WHERE JOINTS OCCUR, FELT SHALL BE LAPPED NOT LESS THAN 6 INCHES.

R103.3.1 WOOD SIDING. JOINTS IN WOOD, WOOD STRUCTURAL PANEL SIDING SHALL BE MADE AS FOLLOWS UNLESS OTHERWISE APPROVED. VERTICAL JOINTS IN PANEL SIDING SHALL OCCUR OVER FRAMING MEMBERS. UNLESS WOOD OR WOOD STRUCTURAL PANEL SHEATHING IS USED, AND SHALL BE SHIFLAPPED OR COVERED WITH A BATTEN. HORIZONTAL JOINTS IN PANEL SIDING SHALL BE LAPPED A MINIMUM OF 1 INCH OR SHALL BE SHIFLAPPED OR SHALL BE FLASHED WITH Z-FLASHING AND OCCUR OVER SOLID BLOCKING, WOOD OR WOOD STRUCTURAL PANEL SHEATHING.

FIBER-CEMENT PANELS SHALL COMPLY WITH THE REQUIREMENTS OF ASTM C1186, TYPE A, MINIMUM GRADE II. PANELS SHALL BE INSTALLED WITH THE LONG DIMENSION EITHER PARALLEL OR PERPENDICULAR TO FRAMING. VERTICAL AND HORIZONTAL JOINTS SHALL OCCUR OVER FRAMING MEMBERS AND SHALL BE SEALED WITH CAULKING, COVERED WITH BATTENS OR SHALL BE DESIGNED TO COMPLY WITH SECTION R103.1. PANEL SIDING SHALL BE INSTALLED WITH FASTENERS ACCORDING TO TABLE R103.4 OR APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS.



SOFFITS SHALL COMPLY W/ SECTION R103.3.1 OR MANUFACTURER'S INSTALLATION INSTRUCTIONS

EAVE SECTION 8:12 PITCH
SCALE: 3/4" = 1'-0"

(ISFSC) TABLE 608.1 OCCUPANT LOAD				
ROOM	NET AREA	AREA/OCCUPANT	OCCUPANCY	
EQUIPMENT/STORAGE	176 SQ. FT.	300 SQ. FT. / PERSON	1	
POOL - WADING AREA	300 SQ. FT.	8 SQ. FT. / PERSON	37	
POOL - DEEP AREA	1200 SQ. FT.	10 SQ. FT. / PERSON	120	
DECK AREA	4645 SQ. FT.	15 SQ. FT. / PERSON	313	
TOTAL OCCUPANCY			471	
MALE			236	
FEMALE			235	

609.2 NUMBER OF FIXTURES (609.2.1 WATER AREA LESS THAN 1500 SQ. FT.)				
OCCUPANT	FIXTURES	SECTION 609.2.1	REQUIRED	PROVIDED
MALE	URINAL	1	1 - REQUIRED	1
MALE	WATER CLOSETS	1	1 - REQUIRED	1
FEMALE	WATER CLOSETS	2	2 - REQUIRED	2
MALE	LAVATORIES	1	1 - REQUIRED	1
FEMALE	LAVATORIES	1	1 - REQUIRED	1
MALE	DECK SHOWER	1	1 - REQUIRED	1
FEMALE	DECK SHOWER	1	1 - REQUIRED	1

(IPC) TABLE 403.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES			
DRINKING FOUNTAIN	1 PER 1,000	1 - REQUIRED	1
SERVICE SINK		1 - REQUIRED	1

REFERENCE:
(IPC) TABLE 403.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES
(ISFSC) TABLE 608.1 OCCUPANT LOAD
(ISFSC) SECTION 609.2.1

WHISPERING WOODS POOL
1901 SW RIVER RUN DR, LEES SUMMIT, MO 64082

LEGAL DESCRIPTION:
TRACT C OF WHISPERING WOODS, 1ST PLAT

CODE REFERENCE:
2018 INTERNATIONAL BUILDING CODES
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FUEL GAS CODE
2017 NATIONAL ELECTRIC CODE NFPA 70
2018 INTERNATIONAL SWIMMING POOL AND SPA CODE
2004 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ICC/ANSI A117.1

CONSTRUCTION TYPE:
V-B (PROPOSED POOL HOUSE)
NON-SPRINKLERED, SINGLE-STORY BUILDING

OCCUPANCY TYPE: ASSEMBLY A-5 & S-1 (PROPOSED POOL HOUSE);
PARTICIPATION IN OUTDOOR ACTIVITIES

OCCUPANCY LOAD: (ISFSC) TABLE 608.1 OCCUPANT LOAD
TOTAL: 470 USERS
EQUIPMENT/STORAGE - (1 USER) 176 SQ. FT. / 300 PER USER
POOL DECK - (313 USERS) 4645 SQ. FT. / 15 S.F. PER USER
POOL WADING AREA - (37 USERS) 300 SQ. FT. / 8 S.F. PER USER
POOL DEEP AREA - (120 USERS) 1200 SQ. FT. / 10 S.F. PER USER

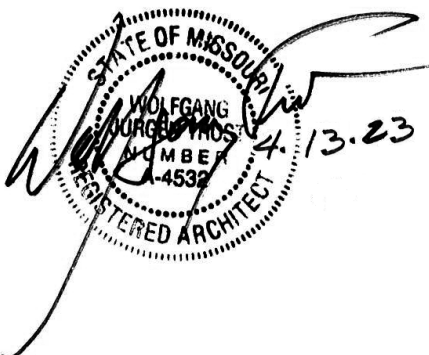
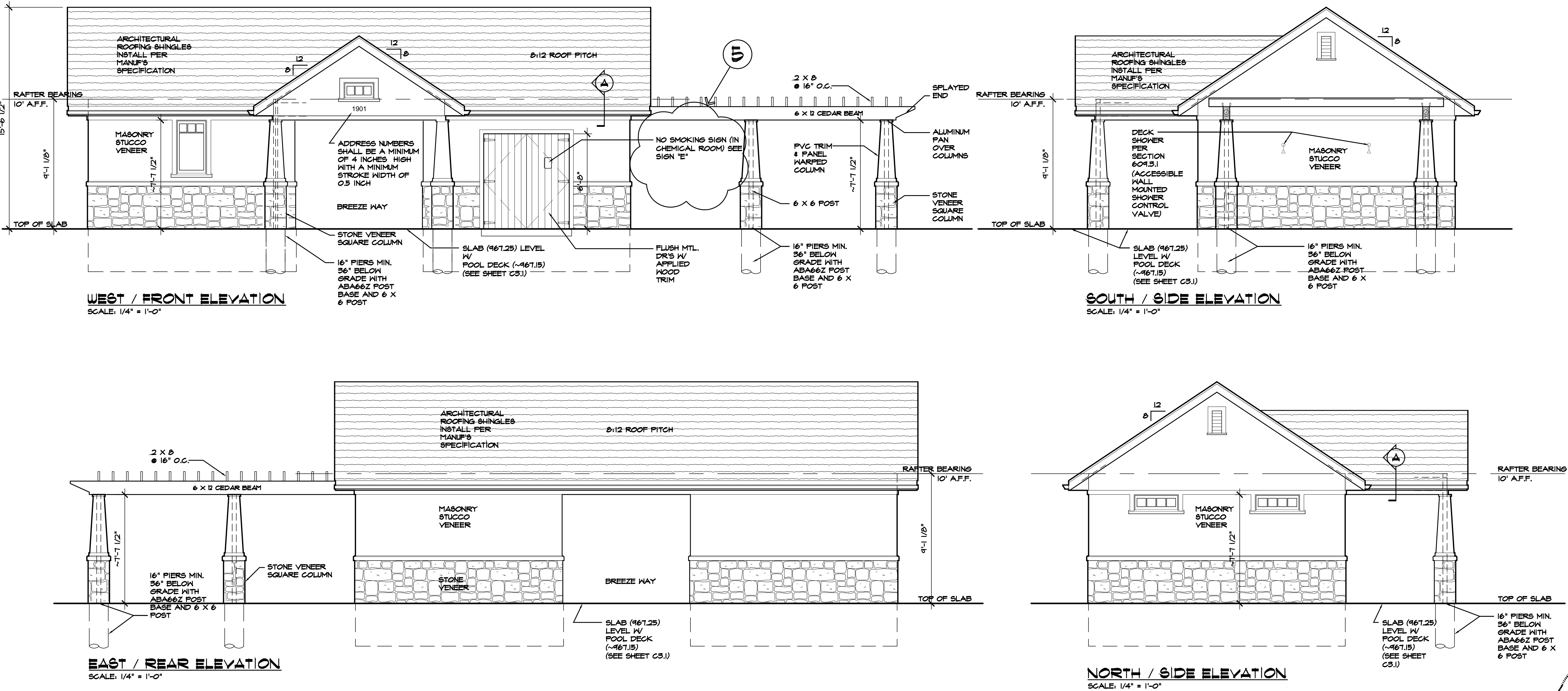
ZONING:
R-1 SINGLE FAMILY RESIDENTIAL

PARKING SPACES:
TABLE 8-1 (UNIFIED DEVELOPMENT ORDINANCE OF THE CITY OF LEE'S SUMMIT, MISSOURI)

1 FOR EVERY 16 LOTS IN SUBDIVISION OR MINIMUM OF 6 PARKINGS
TOTAL PROVIDED: 11 PARKINGS
10 - STANDARD PARKING PROVIDED
1 - VAN ACCESSIBLE PARKING PROVIDED
5 - DESIGNATED GOLF CART PARKING

ROOF SNOW LOAD: 20 POUNDS PER SQUARE FOOT
WIND SPEED: 115 MILES PER HOUR
TOPOGRAPHIC EFFECTS: NO
SEISMIC DESIGN CATEGORY: A
WEATHERING: SEVERE
FROST LINE DEPTH: 36 INCHES
TERRITORY: MODERATE TO HEAVY
DECAY: SLIGHT TO MODERATE
WINTER DESIGN TEMPERATURE: SIX DEGREES FAHRENHEIT
ICE BARRIER UNDERLAYMENT REQUIRED: YES
FLOOD HAZARDS: LATEST ADOPTED FIRM AND FBFM DOCUMENTS.
AIR FREEZING INDEX: 1000
MEAN ANNUAL TEMPERATURE: 54.7 DEGREES FAHRENHEIT

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
05/03/2023



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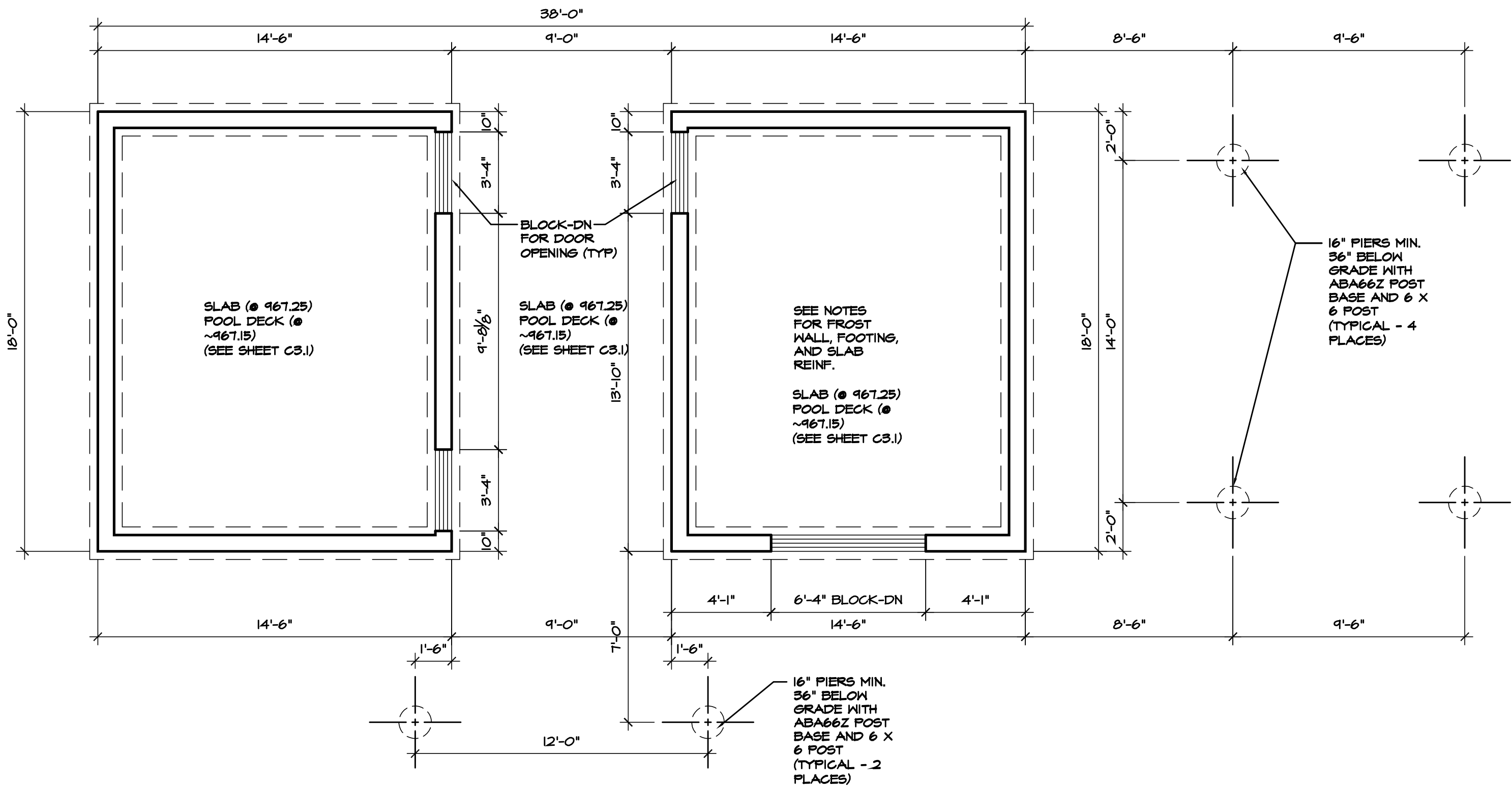
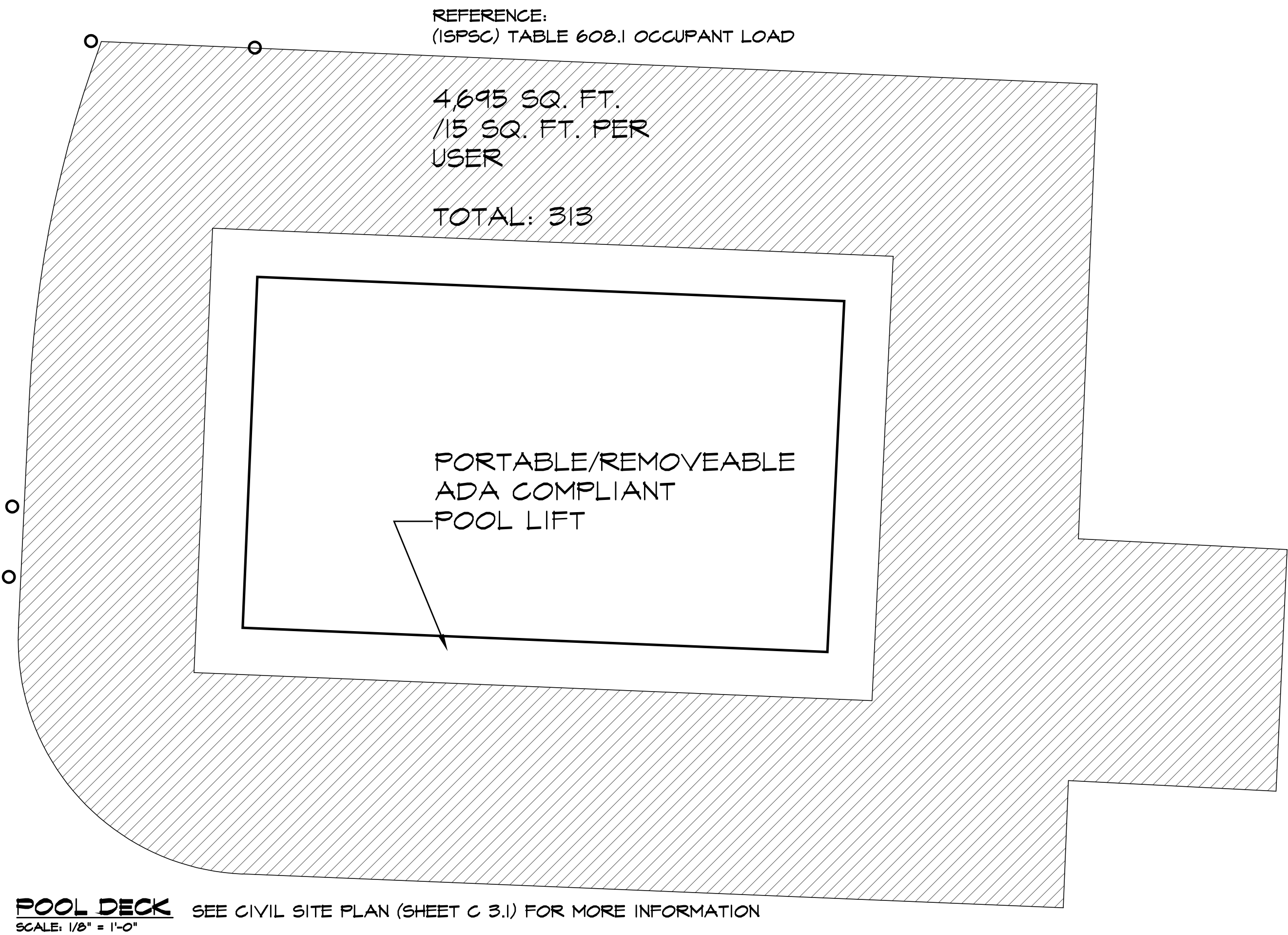
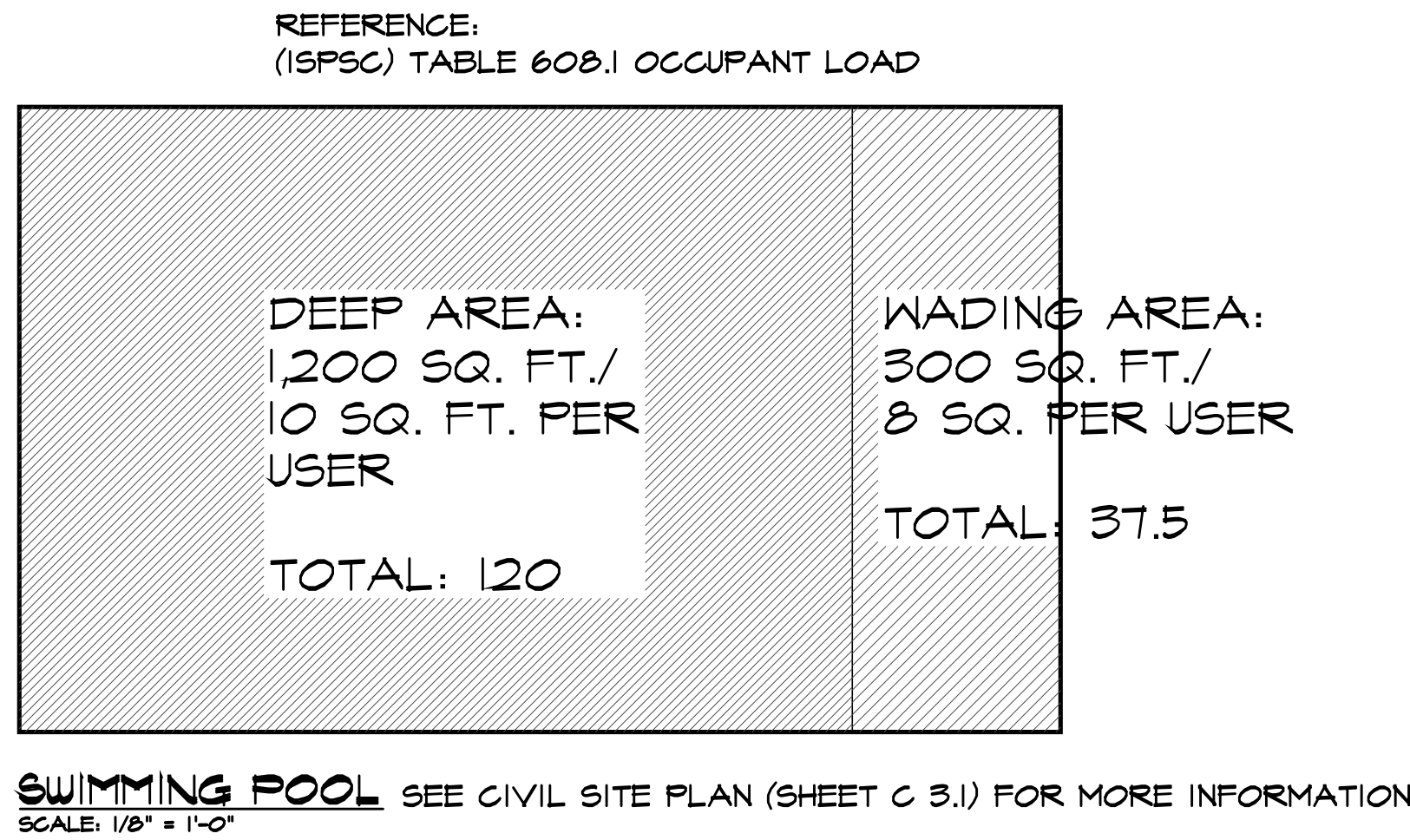
POOL HOUSE
1901 SW RIVER RUN DR
LEE SUMMIT MO

SCALE
1/4"=1'-0"

DATE 4-3-23
4-12-23

PERMIT NO.
PRCOM20226005

SHEET NO.
1 OF 5



BUILD IN ACCORDANCE WITH
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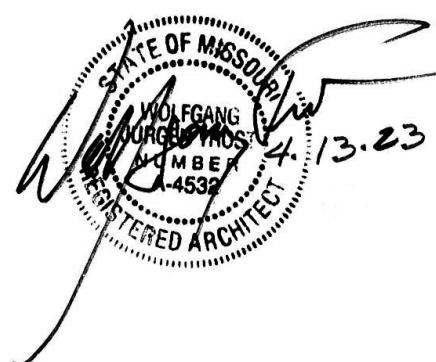
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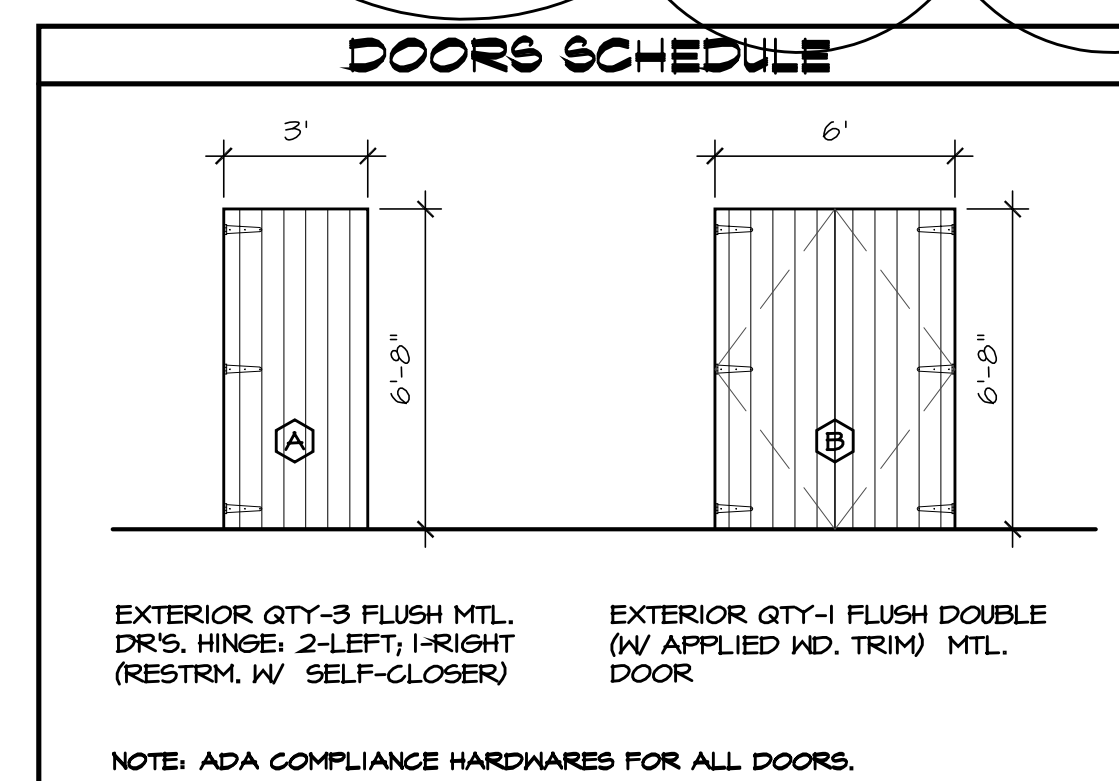
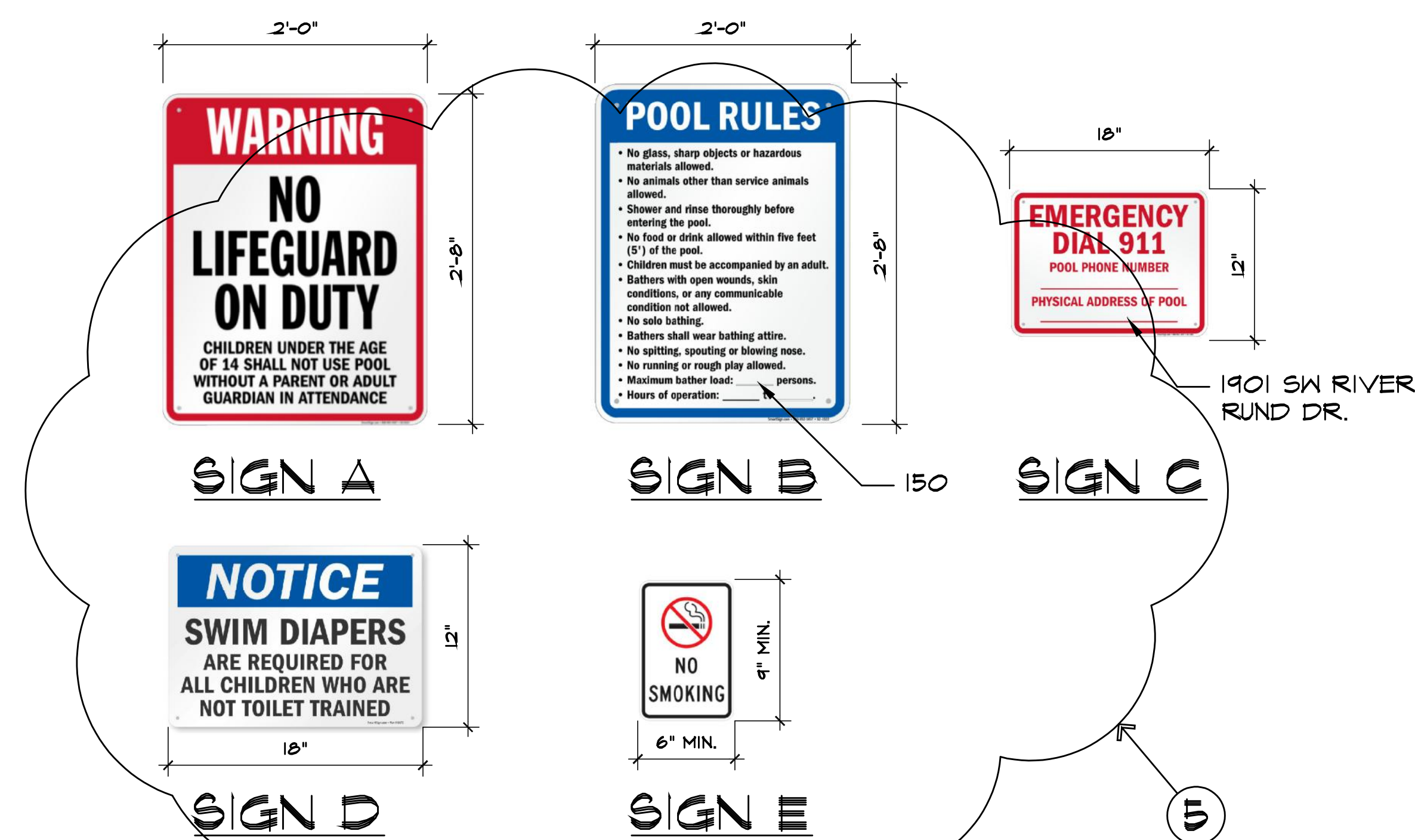
SCALE
1/4"=1-0

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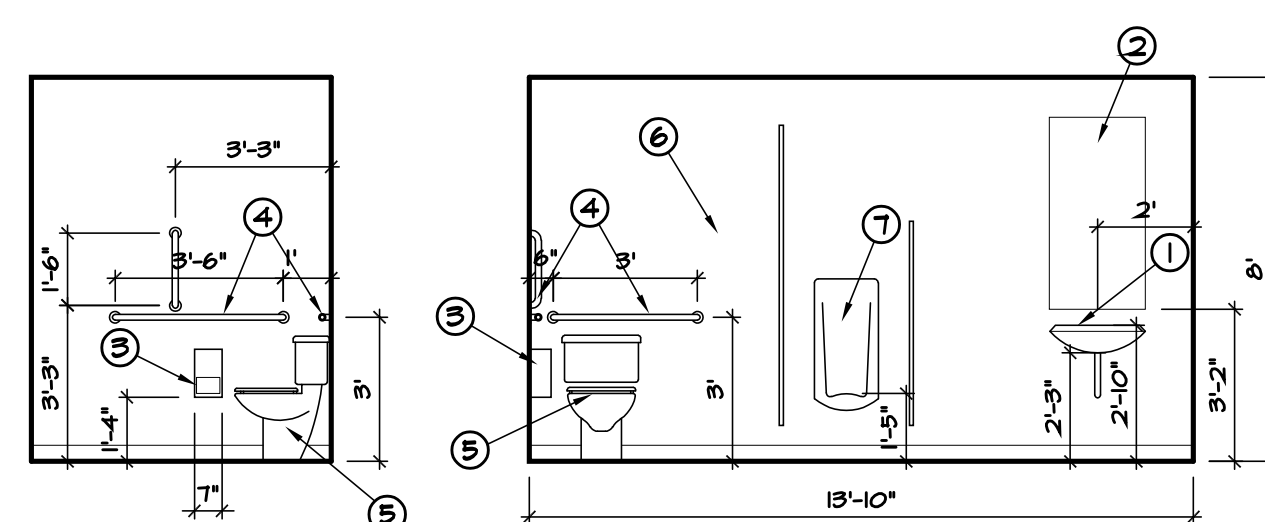
SHEET NO.
2 OF 5





RESTROOM FIXTURE LEGEND

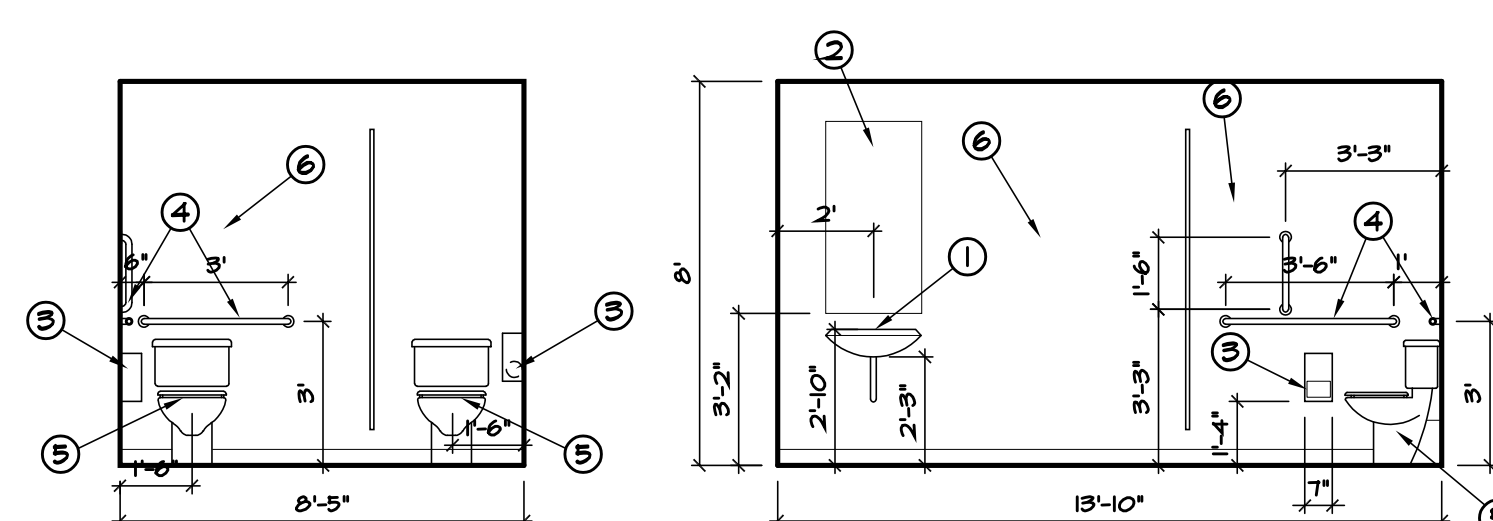
- ① WALL MOUNTED LAVATORY W/ INSULATED PIPING BELOW
 - ② MIRROR
 - ③ DUAL ROLL TOILET PAPER DISPENSER.
 - ④ STAINLESS STEEL GRAB BAR per ANSI SPEC'S.
 - ⑤ FLOOR MOUNTED ACCESSIBLE WATER CLOSET
 - ⑥ EPOXY PAINT AS REQ.
 - ⑦ WALL MOUNTED URINAL
- TOILET (ADA COMPLIANCE UNIT)
- WALL MOUNTED LAVATORY (ADA COMPLIANCE UNIT)
- WALL MOUNTED URINAL (ADA COMPLIANCE UNIT)



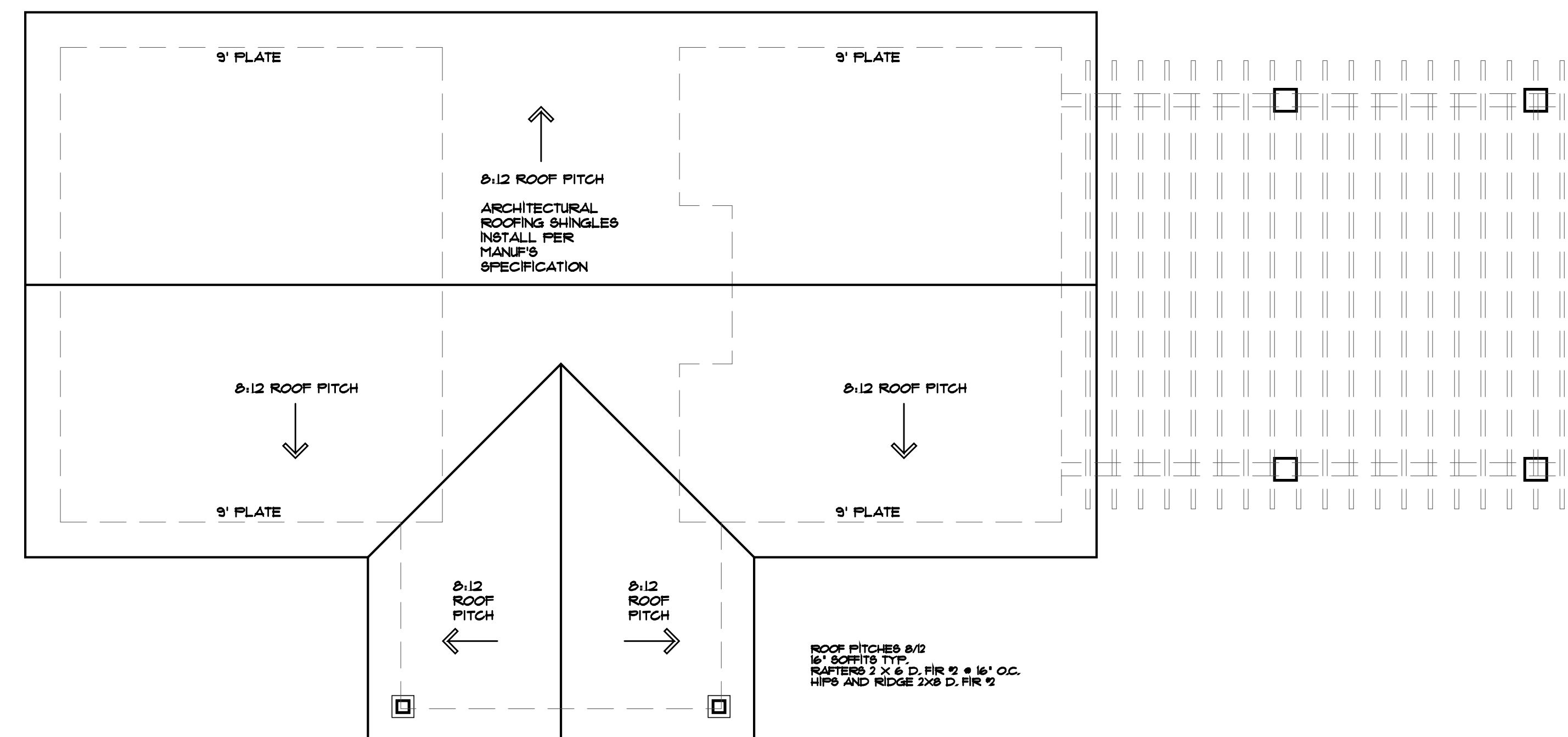
ELEVATION A **ELEVATION B**

MEN RESTROOM ELEVATIONS

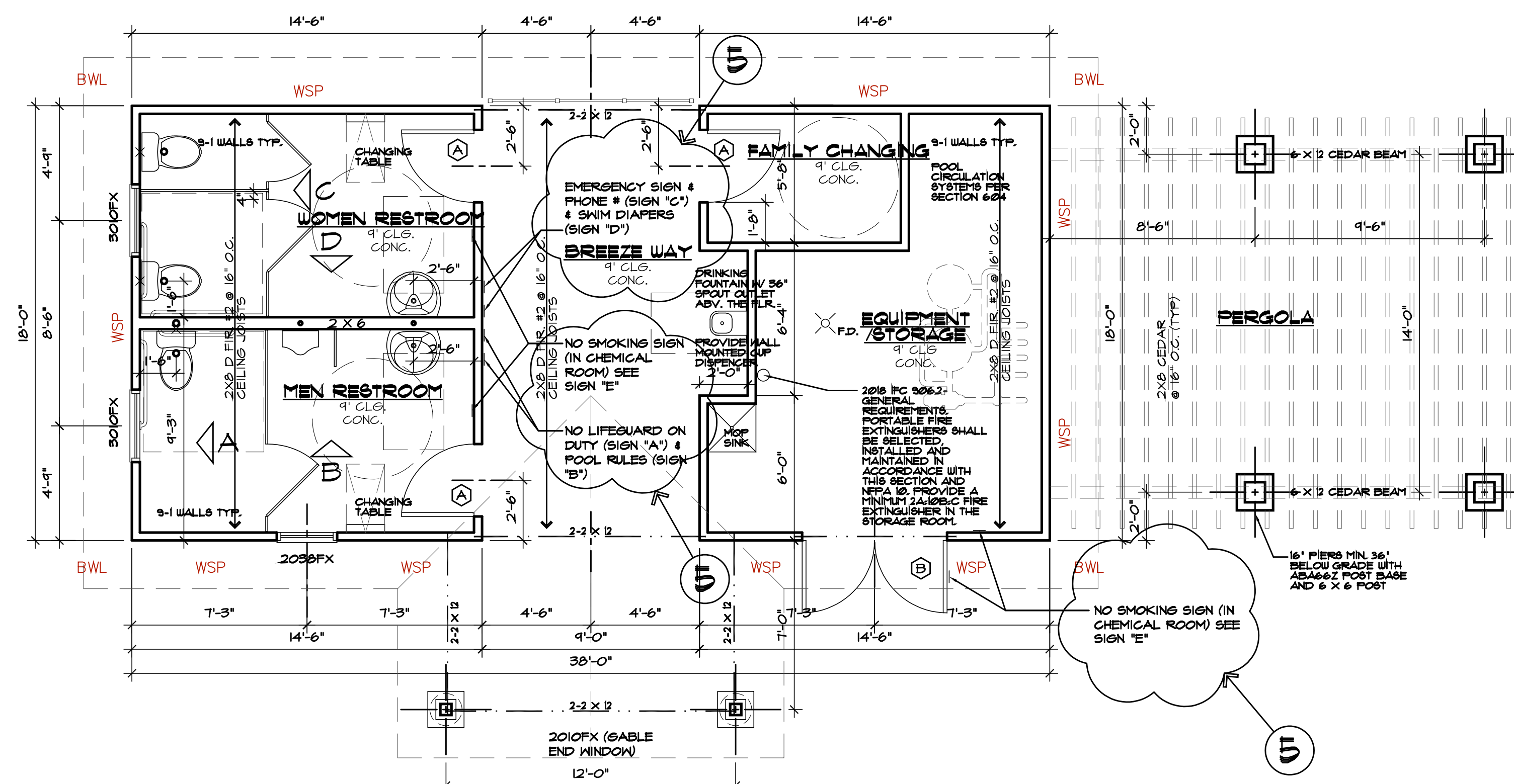
SCALE: 1/4" = 1'-0"



ELEVATION C **ELEVAT**
WOMEN RESTROOM ELEVATIONS
SCALE: 1/4" = 1'-0"



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



POOL HOUSE FLOOR PLAN SEE CIVIL SITE PLAN (SHEET C 3.1) FOR MORE INFORMATION
SCALE: 1/4" = 1'-0"

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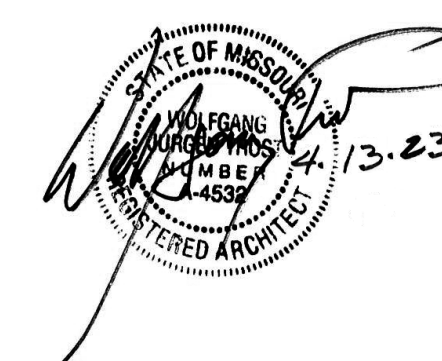
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3 OF 5



ENERGY CONSERVATION CODE
THE FOLLOWING VALUES ARE NEEDED.

R-15 IN WALLS

R-49 IN ATTICS

R-38 IN VAULTS

R-30 REDUCTION FOR VAULTS IS ONLY FOR 500 SF
PF AREA

R-19 IN FLOORS OVER UNCONDITIONED SPACES

R-10 IN CRAWL SPACE WALLS

BASEMENT WALLS R-13 CAVITY OR R-10 CONTINUOUS

SLABS SHALL BE R-10 FOR A DEPTH OF 2 FOOT

A WINDOW U FACTOR OF .35 OR BETTER

DUCTWORK NEEDS TO HAVE AN R-8 VALUE

INTERCONNECTED HARD WIRED SMOKE
DETECTORS SHALL BE INSTALLED IN EACH
BEDROOM AND OUTSIDE OF EACH BEDROOM.

ALL PLUMBING IF EXISTING SHALL BE CAPED
AND AIR TESTED PRIOR TO ROUGH-IN
INSPECTION FOR LEAK VERIFICATION

ICE & WATER SHIELD REQUIRED ON ALL
ROOFS

RAFTERS AND CEILING
JOISTS CONNECTIONS IN
ACCORDANCE IRC R602.3

DRIP EDGE AND GUTTER
1 X 8 FASCIA
OVER 2 X 6
SUBFASCIA

SOFFIT
WITH
VENTS

7/16 APA RATED SIDING OVER
WATER RESISTIVE HOUSE WRAP IN
COMPLIANCE WITH SECTION 703.2
OF THE IRC

2 X 4 TREATED PLATE OVER
SILL SEALER

1/2" X ANCHOR BOLTS AT 5-0 OC MIN. AND BE
LOCATED WITHIN 12" FROM THE ENDS OF EACH
PLATE SECTION SHALL EXTEND A MINIMUM OF
7" INTO CONCRETE

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VAULT INSULATION DETAIL

1" AIR SPACE WITH FOAM AIR
CHUTES

2 X 10 VAULT RAFTER

2 X 2 NAILED TO BOTTOM OF
RAFTERS 12" O.C. WITH 12 D
NAILS

R-38 HIGH DENSITY
INSULATION

INTERCONNECTED HARD WIRED SMOKE
DETECTORS SHALL BE INSTALLED IN EACH
BEDROOM AND OUTSIDE OF EACH BEDROOM.

ALL PLUMBING IF EXISTING SHALL BE CAPED
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PIER PADS

TYP. UNO. 3-0 X 3-0 X 12" PEIR PADS MIN.
WITH # 4 REBAR, 6 EACH WAY

STUDS OVER 10-0 SHALL HAVE
BLOCKING ALONG WALL MAX
OF 6-0 O.C.

USE LSTA24 RIDGE STRAPS
ON ALL VAULTS AT RIDGE
OR COLLAR TIES

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND PLATWORK
MUST HAVE 6% AIR ENTRAINMENT

OVER-HEAD GARAGE DOORS
MUST MEET DASHA 115 MPH
OR IRC 2018 REQUIREMENTS

EGRESS WINDOW WELL AS NEEDED
PER SECTION 308 MIN 3-0 X 3-0
WITH LADDER

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1. DWELLING / GARAGE OPENINGS BETWEEN GARAGE AND SLEEPING
PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS SHALL BE
EQUIPPED WITH SOLID WOOD OR STEEL DOORS NOT LESS THAN 1-3/8"
THICK OR 20 MINUTE RATED DOORS, WITH SELF CLOSING DEVICES
REQUIRED FOR GARAGE / DWELLING SEPARATION DOORS R302.5.1

2. WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM IS REQUIRED FOR
ANY DWELLING IN COMPLIANCE WITH IRC M 1505

3. CARBON MONOXIDE DETECTORS REQUIRED IRC R 315

4. STEEL COLUMNS SHALL BE MINIMUM SCHEDULE 40 R407.3

5. DECK SHALL BE BUILT PER TABLES 507.2, 507.2.1, 507.3, 507.6,
507.5.1(1)(4)(2), 507.5, AND 507.6

6. STUDS SHALL BE CONTINUOUS BETWEEN FLOOR, CEILING AND OR
ROOF DIAPHRAGMS R602.3

7. ADDED REQUIREMENTS FOR WINDOW FALL PROTECTION R312.2

8. NEW PROVISIONS FOR ATTACHMENT OF RAFTERS, TRUSSES AND
ROOF BEAMS R602.3.1, R602.11

9. INSULATION REQUIRED FOR ALL BASEMENT WALLS (INCLUDING
UNFINISHED BASEMENTS) N1102.1

10. EXTERIOR WINDOWS/DOORS SHALL HAVE U-FACTOR 0.35 AND
GLAZING SHALL HAVE SOLAR HEIGHT GAIN FACTOR OF 0.40 N1102.1

11. HOUSE LEAKAGE AND DUCT LEAKAGE PERFORMANCE STANDARDS
EFFECTIVE JANUARY 1, 2014. A SAMPLE TESTING PROGRAM WILL BE
IMPLEMENTED OCTOBER 1, 2012 KCBRC N1102.4.1.2 N1103.2.2

12. LIGHTING FIXTURES PENETRATING THE THERMAL ENVELOPE (E.G.
CAN LIGHTS IN ATTIC) SHALL BE IC-RATED, LEAKAGE-RATED AND
SEALED TO THE GYPSUM WALLBOARD N1102.4.4

13. PROGRAMMABLE THERMOSTAT REQUIRED N1103.1.1

14. AIR HANDLERS SHALL BE RATED FOR MAXIMUM 2 % AIR LEAKAGE
RATE N1103.2.2.1

15. BUILDING CAVITIES USED AS RETURN AIR PLenums SHALL BE
SEALED TO PREVENT LEAKAGE ACROSS THE THERMAL ENVELOPE KCBRC
N1103.2.2

16. CERTAIN HOT WATER PIPES SHALL BE INSULATED N1103.4

17. ALL EXHAUST FANS SHALL TERMINATE TO THE BUILDING EXTERIOR
M1507.2

18. MAKEUP AIR SYSTEM REQUIRED FOR KITCHEN EXHAUST HOODS
THAT EXCEED 400 CFM M1503.4

19. BUILDING CAVITIES IN A THERMAL ENVELOPE WALL (INCLUDING
THE WALL BETWEEN THE HOUSE AND GARAGE) SHALL NOT BE USED AS
RETURN AIR PLenums

20. AN AIR HANDLING SYSTEM SHALL NOT SERVE BOTH THE LIVING
SPACE AND THE GARAGE M1601.6

21. A CONCRETE- ENCASED GROUNDING ELECTRODE ("UPPER" GROUND)
CONNECTION SHALL BE PROVIDED TO THE ELECTRICAL SERVICE E3606.1

22. COMPLIANCE WITH THE REQUIREMENT AND SHOW CONNECTION AS
NEEDED FOR ROOF BEAM, TRUS, RAFTER, AND GIRDER CONNECTION FOR
ULFIFT PER IRC R602.11. ALL RAFTERS BE IN COMPLIANCE WITH IRC 502.11
MENDED BAYWORE CODE

7.5" CONCRETE WALL WITH NO 4 BARS HORT EVERY 18" OF WALL
HEIGHT WITH # 4 BAR WITHIN 6" OF TOP AND BOTTOM OF WALL.
HORT REBAR SHALL BE INSTALLED ON SOIL SIDE OF VERTICAL
REINFORCEMENT

VERTICAL REBAR SHALL BE WITHIN 8" OF THE TOP OF THE WALL,
AND POSITIONED 2" FROM THE INSIDE FACE OF WALL

VERTICAL REBAR SPACING
WALL HEIGHT IN FEET
6-0 OR LESS #4 @ 24" O.C.
8-0 # 4 @ 16" O.C.
9-0 # 4 @ 12" O.C.
10-0 # 4 @ 8" O.C.
10-0 WALL 5-9" #4 @ 12" O.C.

ALL REBAR
GRADE 40 TYP.

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND PLATWORK
MUST HAVE 6% AIR ENTRAINMENT

OVER-HEAD GARAGE DOORS
MUST MEET DASHA 115 MPH
OR IRC 2018 REQUIREMENTS

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EGRESS WINDOW WELL

BUILD IN ACCORDANCE WITH
2018 INTERNATIONAL
BUILDING CODE AND LOCAL
CODES

POOL HOUSE
1901 SW RIVER RUN DR
LEE SUMMIT MO

SCALE
1/4"=1'-0

DATE 4-3-23
4-12-23

PERMIT NO.
PRCOM20226005

SHEET NO.
5 OF 5

4051 AQUATIC VENUE REGULATIONS.

AQUATIC VENUES SHALL BE LICENSED AND INSPECTED PURSUANT TO THIS SECTION. (ORD. 50005, EFF. 05/05/2017)

40511 OPERATING PERMIT.

- A. NO PERSON SHALL OPERATE ANY AQUATIC VENUE UNLESS THE FACILITY HOLDS A VALID OPERATING PERMIT FROM THE HEALTH OFFICER FOR EACH AQUATIC VENUE BEING OPERATED.
B. ALL APPLICANTS FOR AN OPERATING PERMIT OF AN AQUATIC VENUE SHALL PROVIDE PROOF OF THE LICENSED AQUATIC VENUE OPERATOR WHO WILL SUPERVISE THAT FACILITY.
C. EACH OPERATING PERMIT SHALL BE ISSUED FOR ONE YEAR FROM THE DATE OF ISSUANCE.
D. NO OPERATING PERMIT SHALL BE TRANSFERABLE.
E. EACH OPERATING PERMIT SHALL BE CONSPICUOUSLY POSTED AT THE PERMITTED FACILITY.

40512 PLANS AND SPECIFICATIONS.

- A. NO PERSON SHALL BEGIN CONSTRUCTION, INSTALLATION OR STRUCTURAL RENOVATION OF ANY AQUATIC VENUE WITHOUT FIRST HAVING SUBMITTED PLANS TO THE HEALTH OFFICER FOR REVIEW.
B. PLANS SHALL INCLUDE THE FOLLOWING:
I. ILLUSTRATIONS SHOWING THE AQUATIC VENUE, BATHHOUSE, AND EQUIPMENT ROOMS.
II. SPECIFICATIONS AND LAYOUT OF ALL TREATMENT EQUIPMENT.
III. SPECIFICATIONS FOR THE WATER SUPPLY AND WASTEWATER DISPOSAL SYSTEMS AND
VI. CERTIFICATION BY A PROFESSIONAL ENGINEER, ARCHITECT, OR OTHER PROFESSIONAL.
C. NO PERMIT FOR OPERATION OF AN AQUATIC VENUE SHALL BE ISSUED UNTIL AN INSPECTION OF THE VENUE CONSTRUCTED PRIOR TO THE EFFECTIVE DATE OF THIS SECTION MAY CONTINUE IN USE SO LONG AS EQUIPMENT, WATER QUALITY, SAFETY, SUPERVISION, OPERATION, AND MAINTENANCE CAN COMPLY WITH THIS CHAPTER.

40513 VARIANCES.

- A. A VARIANCE FROM A REQUIREMENT OF THIS CHAPTER MAY BE CONSIDERED AND GRANTED BY THE HEALTH OFFICER IF THE VARIANCE DOES NOT JEOPARDIZE PUBLIC HEALTH OR SAFETY.
B. ANY REQUEST FOR VARIANCE MUST BE SUBMITTED IN WRITING TO THE HEALTH OFFICER.

40514 SHOWER ROOMS, SHOWERS, TOILETS, AND LAVATORIES.

- A. SHOWER FACILITIES ARE REQUIRED FOR ALL CATEGORY I AQUATIC VENUES.
B. SHOWERS SHALL BE SUPPLIED WITH HOT AND COLD RUNNING WATER FROM AN APPROVED SOURCE.
C. THE NUMBER OF SHOWERS, TOILETS, DRINKING FOUNTAINS, AND LAVATORIES SHALL COMPLY WITH APPLICABLE BUILDING PERMIT REQUIREMENTS.
D. AT ALL AQUATIC VENUES, IF A SHOWER ROOM, THEY SHALL BE MAINTAINED IN GOOD REPAIR, IN A CLEAN CONDITION AT ALL TIMES, WITH SANITARY SUPPLIES PROVIDED, AND FREE FROM DIRT, STAIN, AND/OR ALGAE.
E. IF TOILETS ARE PROVIDED, THEY SHALL BE THOROUGHLY WASHED WITH DETERGENT AND WATER, RINSED, DRIED, AND STORED IN A CLEAN PLACE.

40515 LICENSED AQUATIC VENUE OPERATORS.

- A. LICENSING SHALL BE ACHIEVED BY SUCCESSFULLY COMPLETING A HEALTH OFFICER APPROVED COURSE EXAMINATION AND PAYMENT OF AN APPLICABLE FEE.
B. ANY LICENSE SHALL BE VALID FOR NOT MORE THAN FIVE (5) YEARS FROM THE DATE OF ISSUANCE.
C. A LICENSE MAY BE SUSPENDED OR REVOKED BY THE HEALTH OFFICER IF:
I. THE AQUATIC VENUE THAT THE LICENSED AQUATIC VENUE OPERATOR IS SUPERVISING IS CLOSED BY THE HEALTH OFFICER TWO OR MORE TIMES WITHIN A 365-DAY PERIOD; OR
II. THE LICENSED AQUATIC VENUE OPERATOR IS NOT READILY AVAILABLE, REACHABLE BY PHONE GENERALLY WITHIN 30 MINUTES, AT THE TIME OF HEALTH OFFICER'S INSPECTION.

40516 SUPERVISION.

- A. EACH AQUATIC VENUE SHALL BE UNDER THE SUPERVISION OF A LICENSED AQUATIC VENUE OPERATOR WHO SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THIS CHAPTER. THE LICENSED AQUATIC VENUE OPERATOR IS NOT REQUIRED TO BE PRESENT AT ALL TIMES. STAIRS OR RAMPS SHALL BE INSTALLED ON EACH SIDE OF THE FACILITY IS OPEN. THE LICENSED AQUATIC VENUE OPERATORS CONTACT INFORMATION MUST BE POSTED IN A CONSPICUOUS PLACE AT THE PERMITTED FACILITY. THE LICENSED AQUATIC VENUE OPERATOR SHALL HAVE HIGHER LICENSE READILY ACCESSIBLE AT THE TIME OF INSPECTION. IF AN AQUATIC VENUE VIOLATES THIS CHAPTER, THE HEALTH OFFICER MAY REQUIRE THE LICENSED AQUATIC VENUE OPERATOR BE PRESENT ON SITE DURING ALL TIMES THE AQUATIC VENUE IS OPEN.
B. EACH CATEGORY I AQUATIC VENUE MUST PROVIDE QUALIFIED LIFEGUARDS. WHEN QUALIFIED LIFEGUARDS ARE USED THE STAFFING PLAN SHALL INCLUDE DIAGRAMMED ZONE OF PATRON SURVEILLANCE FOR EACH AQUATIC VENUE SUCH THAT:
I. A QUALIFIED LIFEGUARD IS CAPABLE OF VIEWING THE ENTIRE AREA OF THE ASSIGNED ZONE OF PATRON SURVEILLANCE;
II. A QUALIFIED LIFEGUARD IS ABLE TO REACH THE FURTHEST EXTENT OF THE ASSIGNED ZONE OF PATRON SURVEILLANCE WITHIN 20 SECONDS;
III. THE DIAGRAM SHALL IDENTIFY WHETHER EACH QUALIFIED LIFEGUARD IS IN AN ELEVATED STAND, WALKING, IN-WATER, AND/OR OTHER APPROVED POSITION;
IV. THE DIAGRAM SHALL IDENTIFY TAKEN MUST BE DOCUMENTED AND SUBMITTED TO THE HEALTH OFFICER.
C. EACH CATEGORY II AQUATIC VENUE IS RECOMMENDED TO HAVE LIFEGUARD SERVICES BUT IT IS NOT REQUIRED. IF NO LIFEGUARD IS PRESENT, A PROPER WARNING NO LIFEGUARD ON DUTY SIGNAGE SHALL BE PLACED THROUGHOUT THE POOL.
D. THE MINIMUM QUALIFICATIONS FOR A LIFEGUARD MUST BE SATISFACTORY COMPLETION AND CURRENT CERTIFICATION FROM A NATIONALLY RECOGNIZED LIFEGUARD TRAINING PROGRAM. EACH LIFEGUARD SHALL HAVE CURRENT CPR AND FIRST AID CERTIFICATION.
E. ALL LIFEGUARDS SHALL WEAR DISTINGUISHING SUBMITS OR EMBLEM'S WHILE ON DUTY.
F. EACH CATEGORY I AND CATEGORY II AQUATIC VENUE THAT HAS A WATER SURFACE AREA IN EXCESS OF 20000 SQUARE FEET, AND A DEPTH OF SIX FEET SHALL PROVIDE AT LEAST ONE ELEVATED LIFEGUARD CHAIR OR PLATFORM, ONE (1) ADDITIONAL ELEVATED LIFEGUARD CHAIR OR PLATFORM SHALL BE PROVIDED FOR EACH ADDITIONAL 20000 SQUARE FEET OF WATER SURFACE AREA AND A DEPTH OF SIX FEET.
G. EACH CATEGORY II AQUATIC VENUE LIFEGUARD SERVICE IS NOT REQUIRED OR CONTINUOUSLY PROVIDED, SHALL DISPLAY A WARNING SIGN STATING: "NO LIFEGUARD ON DUTY" IN LETTERS AT LEAST FOUR (4) INCHES HIGH THAT SHALL BE CONSPICUOUSLY PLACED AT THE ENTRANCE TO THE VENUE.
H. EACH CATEGORY I AND II AQUATIC VENUE SHALL HAVE POOL SPA RULES POSTED IN A CONSPICUOUS PLACE, WHICH RULES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
I. NO PERSON WITH OPEN CUTS, SORES, LESIONS, INFECTIONS, OBVIOUS COMMUNICABLE DISEASE, OR DIARRHEA SHALL USE THE SWIMMING POOL;
II. ANIMALS ARE NOT ALLOWED IN OR AROUND THE SWIMMING POOL, EXCEPT THAT SERVICE ANIMALS AS DEFINED BY THE AMERICANS WITH DISABILITIES ACT MAY BE ALLOWED ON POOL DECKS AND ANY OTHER PLACES THE PUBLIC IS ALLOWED; SERVICE ANIMALS ARE NOT ALLOWED IN THE WATER, ON DIVING BOARDS, ON WATER SLIDES, OR FLATATION RIFTS, ETC;
III. GLASS CONTAINERS ARE NOT ALLOWED IN OR AROUND THE SWIMMING POOL;
IV. CHILDREN WHO ARE NOT TOILET TRAINED SHALL WEAR TIGHT FITTING PLASTIC UNDERWEAR OR SWIM DIAPERS THAT WILL PREVENT LEAKAGE;
V. NO DIVING (AT SWIMMING POOLS WITHOUT AN APPROVED DIVING WELL CONSTRUCTION).
VI. CHILDREN, AS DEFINED BY THE AQUATIC VENUE, SHALL BE ACCOMPANIED BY AN ADULT.
VII. THE FOLLOWING ONLY APPLY TO SPAS, HOT-TUBS AND WHIRLPOOL.
(1) DUE TO HIGH TEMPERATURE AND HUMIDITY THE SPA CAN BE DANGEROUS TO YOUR HEALTH, SO CONSULT YOUR PHYSICIAN BEFORE USE.
(2) OBSERVE REASONABLE TIME LIMITS NO LONGER THAN 15 MINUTES, THEN LEAVE THE WATER AND ALLOW YOUR BODY TO RETURN TO NORMAL TEMPERATURE.
VIII. EACH CATEGORY III AQUATIC VENUE SHALL DISPLAY "SPRAY GROUND RULES" POSTED IN A CONSPICUOUS PLACE, WHICH RULES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
I. NO PERSON WITH OPEN CUTS, SORES, LESIONS, INFECTIONS, OBVIOUS COMMUNICABLE DISEASE, OR DIARRHEA SHALL USE THE SPRAY GROUND;
II. ANIMALS ARE NOT ALLOWED IN OR AROUND THE SPRAY GROUND;
III. GLASS CONTAINERS ARE NOT ALLOWED IN OR AROUND THE SPRAY GROUND;
IV. CHILDREN WHO ARE NOT TOILET TRAINED SHALL WEAR TIGHT FITTING PLASTIC UNDERWEAR OR SWIM DIAPERS THAT WILL PREVENT LEAKAGE;
V. SPRAY FEATURES USE RECIRCULATED WATER, DO NOT DRINK THE WATER.
VI. CHILDREN SHALL BE ACCOMPANIED BY AN ADULT.
VII. EACH CATEGORY I AND II AQUATIC VENUE SHALL POST ITS THOROUGH DESIGN PATRON LOAD AND SHALL NOT EXCEED MORE PATRONS THAN INDICATED. PATRON LOAD SHALL BE CALCULATED AS FOLLOWS:
(1) ONE (1) PERSON PER 20 SQUARE FEET OF WATER SURFACE AREA FOR SWIMMING POOLS AND AQUATIC PLAY FEATURES;
(2) ONE (1) PERSON PER 10 SQUARE FEET OF WATER SURFACE AREA FOR SPAS, HOT-TUBS, AND WHIRLPOOL BATHS.

40517 SAFETY REQUIREMENTS.

- A. THE FOLLOWING SHALL BE PROVIDED AT EACH CATEGORY I AND CATEGORY II AQUATIC VENUE:
I. A LINE POLE OR SHERMERS CROOK 8-FEET LONG OR A REACH BEYOND HALF THE DISTANCE OF THE WIDTH OF THE POOL.
II. A RING BUOY, COAST GUARD APPROVED OR EQUIVALENT, FITTED WITH A 1/2 INCH DIAMETER LINE ATTACHED WITH A LENGTH OF 15 TIMES THE MAXIMUM WIDTH OF THE SWIMMING POOL OR 50 FEET, WHICHEVER IS LESS;
III. A BLANKET AND
IV. A FIRST AID KIT WITH THE FOLLOWING MINIMUM SUPPLIES:
CHARTER 40-21-10/02/2020
(1) TRIANGULAR BANDAGES
(2) ONE ROLL 1-INCH TAPE
(3) ONE ROLL 2-INCH TAPE
(4) ONE ROLL 2-INCH GAUZE BANDAGES
(5) ONE TUBE OR BOTTLE OF ANTISEPTIC
(6) FIRST AID BOOK
(7) SCISSORS AND
(8) ASSORTED BAND-AIDS.
B. ALL LIFESAVING EQUIPMENT SHALL BE MOUNTED IN A CONSPICUOUS PLACE, READILY ACCESSIBLE, AND IN A CONDITION READY FOR USE EXCEPT THAT THE BLANKET AND FIRST AID KIT MAY BE KEPT IN A DESIGNATED PLACE APPROVED BY THE HEALTH OFFICER.
C. EACH CATEGORY I AND II AQUATIC VENUE SHALL HAVE A READILY ACCESSIBLE EMERGENCY TELEPHONE OR OTHER MEANS OF EMERGENCY COMMUNICATION THAT IS OPERATIONAL AND ONLY FOR EMERGENCY USE. DIRECTIONS FOR USE OF THE EMERGENCY TELEPHONE SHALL BE CLEARLY POSTED. EMERGENCY PHONE NUMBERS ALONG WITH THE VENUE'S ADDRESS MUST BE PROMINENTLY POSTED.
D. ALL CHEMICALS USED IN AN AQUATIC VENUE'S MAINTENANCE SHALL BE STORED UNDER CONDITIONS WHERE THEY ARE ONLY ACCESSIBLE TO AUTHORIZED PERSONS, IN A DRY, WELL-VENTILATED STORAGE ROOM ACCORDING TO MANUFACTURERS INSTRUCTIONS. THE FOLLOWING ADDITIONAL REQUIREMENTS SHALL BE OBSERVED:
I. CHEMICALS SHALL BE STORED IN THEIR ORIGINAL CONTAINERS, TIGHTLY CLOSED.
II. ALL CHEMICAL CONTAINERS, DRUMS, BOXES, AND BAGS SHALL BE STORED AT LEAST 6 INCHES OFF THE FLOOR OR IN A HANGAR TO ELIMINATE CONTACT WITH STANDING WATER OVERHEAD STORAGE OF CHEMICALS IS PROHIBITED.
III. NONFLAMMABLE CHEMICALS SHALL BE STORED AWAY FROM EACH OTHER IN SPECIFICALLY IDENTIFIED LOCATIONS IN THE CHEMICAL STORAGE ROOM.
IV. NO SMOKING SIGNS SHALL BE POSTED IN THE CHEMICAL STORAGE ROOM.
V. SWIMMING POOL, CHEMICALS AND TEST KIT REAGENTS SHALL BE STORED OUT OF DIRECT SUNLIGHT.
E. IN EACH CATEGORY I AND CATEGORY II AQUATIC VENUE THE DEPTH OF THE WATER SHALL BE AT LEAST 4 FEET ON OR ABOVE THE WATER SURFACE ON THE VERTICAL WITH THE AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS.
F. WHERE DEPTH MARKERS CANNOT BE PLACED ON THE VERTICAL WALLS ABOVE THE WATER LEVEL, OTHER MEANS SHALL BE USED SO THAT MARKERS SHALL BE PLACED VISIBLE TO PERSONS IN THE AQUATIC VENUE. MARKERS SHALL BE AT LEAST 4-INCH HIGH, NUMBERED, AND OF A COLOR CONTRASTING WITH THE BACKGROUND. DEPTH MARKERS SHALL BE:
I. LOCATED AT THE POINTS OF MAXIMUM AND MINIMUM DEPTHS;
II. ON BOTH SIDES AND BOTH ENDS OF THE AQUATIC VENUE;
III. SPACED SO THAT THE DISTANCE BETWEEN ADJACENT MARKERS IS NOT GREATER THAN 20 FEET WHEN HEADMARKERS ARE USED;
IV. AT APPROPRIATE POINTS AS TO DENOTE WATER DEPTH IN DIVING AREAS, IF THE SWIMMING POOL IS DESIGNED FOR DIVING (SWIMMING POOLS WITHOUT AN APPROVED DIVING WELL CONFIGURATION SHALL ALSO HAVE NO DIVING INCLUDED IN THE POSTED POOL RULES).

- F. THE POINT OF TRANSITION WITH AN ABRUPT CHANGE BETWEEN THE DEEP AND THE SHALLOW AREAS SHALL BE IDENTIFIED BY A BUOYED LINE THAT SEPARATES THE DEEP AREA FROM THE SHALLOW AREA AND IS LOCATED 2 FEET TOWARD THE SHALLOW END. THE POINT OF TRANSITION OR A LINE OF TRANSITION SHALL BE IDENTIFIED BY THE POOL, PRESENT AT THE POINT OF TRANSITION.
G. IF NIGHT SWIMMING IS PERMITTED, DECK AND UNDERWATER LIGHTING SHALL BE PROVIDED TO ILLUMINATE ALL UNDERWATER AREAS SO THAT WATER CLARITY REQUIREMENTS WILL BE MAINTAINED.
H. ELECTRICAL EQUIPMENT AND WIRING IN OR ADJACENT TO ANY AQUATIC VENUE SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE (NEC 10), ARTICLE 680 AND ANY ADDITIONAL LOCAL REQUIREMENTS.
I. STEPS, LADDERS, STAIRS, OR RAMPS SHALL BE PROVIDED AT THE SHALLOW AND DEEP ENDS OF THE AQUATIC VENUE. IF THE AQUATIC VENUE IS OVER 30 FEET DEEP STEPS, LADDERS, STAIRS, OR RAMPS SHALL BE PROVIDED AT EACH END. STEPS SHALL NOT EXCEED A SLOPE OF 1:2. HANDRAILS SHALL BE PROVIDED FOR USE WITH ALL LADDERS, STEPS, AND STAIRS. HANDRAILS SHALL BE MAINTAINED IN SOUND WORKING CONDITION.
J. ALL STEPS, RAMPS, AND DIVING BOARDS ARE TO BE OF NON-SLIP CONSTRUCTION OR BE COVERED WITH NON-SLIP MATERIAL.
K. AN AQUATIC VENUE SHALL BE IMMEDIATELY CLOSED AND THE SWIMMERS REMOVED FROM THE WATER WHEN ANY OF THE FOLLOWING OCCURS: CLOSURE RESULTING FROM AN EMERGENCY SITUATION OR A HAZARDOUS CONDITION THAT MAY CREATE AN IMMEDIATE DANGER TO THE HEALTH OR SAFETY.
L. THE HEALTH OFFICER SHALL CONDUCT SUCH INSPECTIONS AS OFTEN AS DEEMED NECESSARY TO ENSURE COMPLIANCE WITH ALL THE PROVISIONS OF THIS CHAPTER AND HE/SHE SHALL HAVE RIGHT OF ENTRY AT ANY REASONABLE TIME TO THE AQUATIC VENUE. I. INSPECTIONS.
M. UPON INVESTIGATION OR INSPECTION OF AN AQUATIC VENUE, THE HEALTH OFFICER DETERMINES THAT CONDITIONS EXIST THAT WARRANT THE CLOSING OF THE FACILITY, THE HEALTH OFFICER SHALL ISSUE A WRITTEN CLOSING ORDER TO THE OWNER OR OPERATOR OF THE AQUATIC VENUE. THE CLOSING ORDER SHALL BE CONSPICUOUSLY PLACED AT THE ENTRANCE TO THE FACILITY. IT SHALL BE UNLAWFUL FOR ANY PERSON TO REMOVE A NOTICE OF CLOSURE SIGN UNLESS AUTHORIZED TO DO SO BY THE HEALTH OFFICER. THE OWNER OR OPERATOR, THEREAFTER SHALL BE RESPONSIBLE FOR REMOVAL OF ANY PERSON FROM THE FACILITY UNTIL THE VIOLATIONS HAVE BEEN ABATED. IF THE HEALTH OFFICER NOTES VIOLATIONS WHICH DO NOT WARRANT CLOSING THE FACILITY, A WRITTEN NOTICE SHALL BE PROVIDED TO THE OWNER OR OPERATOR WITH REASONABLE TIMES FOR CORRECTION. THE NOTICE SHALL BE NOT ABATED WITHIN THE TIME SET FORTH IN THE NOTICE. THE FACILITY SHALL THEN BE AUTOMATICALLY CLOSED UNLESS THE HEALTH OFFICER UPON GOOD CAUSE, EXTENDS THE TIME FOR COMPLIANCE.
N. THE FOLLOWING VIOLATIONS SHALL WARRANT IMMEDIATE CLOSURE BY THE HEALTH OFFICER: CLOSURE RESULTING FROM AN INSPECTION WILL REQUIRE A RE-INSPECTION BEFORE THE AQUATIC VENUE BEGINS OPERATIONS AGAIN.
O. ANY HAZARDOUS CONDITION THAT MAY CREATE AN IMMEDIATE DANGER TO THE HEALTH OR SAFETY.
P. FAILURE OF THE AQUATIC VENUE'S EQUIPMENT OR STRUCTURE THAT MAY JEOPARDIZE THE HEALTH OR SAFETY OF THE PERSONS USING OR OPERATING IT;
Q. FAILURE TO MEET REQUIRED DISINFECTANT CONCENTRATIONS;
R. FAILURE TO MEET WATER CLARITY REQUIREMENTS;
S. FAILURE TO MEET MAIN DRAIN IS WORKING OR BROKEN;
T. FAILURE TO MEET LIFEGUARD REQUIREMENTS;
U. A RECIRCULATION OR FILTER PUMP IS NON-OPERATIONAL;
V. REELECTRIFICATION OF THE WATER IS NON-OPERATIONAL;
W. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
X. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
Y. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
Z. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AA. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AB. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AC. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AD. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AE. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AF. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AG. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
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AL. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AM. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AN. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AO. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AP. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AQ. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AR. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AS. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AT. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AU. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AV. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
AW. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
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AY. A RECALCULATED OR FILTER PUMP IS NON-OPERATIONAL;
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MARK	AREA SERVED	MANUFACTURER	MODEL	TYPE	CFM	ESP (IN)	DRIVE	POWER	OPERATION	ELECTRICAL		WEIGHT
										VOLTS	PHASE	
EF-1	MEN R.R.	PANASONIC	FV-08-11VFL5	CEILING	110	0.25	DIRECT	26.5w	LIGHT SWITCH	120	1	12
EF-2	WOMEN R.R.	PANASONIC	FV-08-11VFL5	CEILING	110	0.25	DIRECT	26.5w	LIGHT SWITCH	120	1	12
EF-3	EQUIPMENT ROOM	FANTECH	FR-160	IN-LINE	225	0.5	DIRECT	125w	BREAKER	120	1	8

MECHANICAL & PLUMBING SPECIFICATIONS

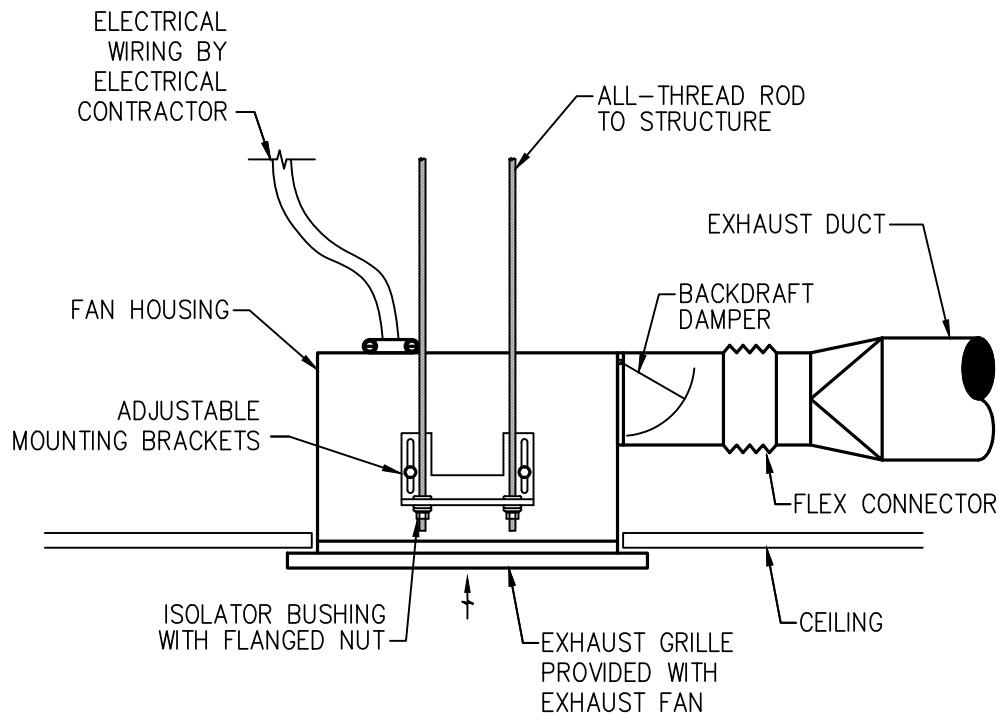
1. GENERAL PROVISIONS:
- PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE PLUMBING SYSTEMS OUTLINED.
 - OBTAIN ALL PERMITS, FEES, LICENSES, INSPECTIONS, AND CERTIFICATIONS OF COMPLIANCE OR APPROVAL AS REQUIRED BY AUTHORITIES.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS OF THE GOVERNMENTAL BODIES HAVING JURISDICTION OVER THE SITE.
 - PROVIDE ALL NECESSARY CUTTING AND PATCHING OF WALLS, FLOORS, CEILINGS, AND ROOFS AS NECESSARY. PATCH AROUND ALL OPENINGS SHALL MATCH ADJACENT AREA. COORDINATE ALL ROOFING WORK WITH OWNER OR RESPONSIBLE PARTY, SO THAT THE EXISTING ROOFING WARRANTY WILL BE MAINTAINED.
 - CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS AGAINST DEFECT FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE.
 - INSPECTION OF THE SITE: THIS CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE MEP DRAWINGS, SPECIFICATIONS, DETAIL, AND THE SITE. THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY SPECIAL OR UNUSUAL PROBLEMS, CONFLICTS, OR OBSTRUCTIONS THAT AFFECT HIS BID.
 - FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS AND FITTINGS REQUIRED FOR INSTALLATION. DO NOT SCALE DRAWINGS. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DATA AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE MECHANICAL WORK INTERFACES WITH OTHER TRADES.
 - INCLUDE ALL BASIC MATERIALS AND CONSTRUCTION METHODS INCLUDING PIPES, PIPE FITTINGS, AND SPECIALTIES AND SUPPORTING DEVICES, VALVES, PIPE AND VALVE IDENTIFICATION, PUMPS, VIBRATION ISOLATION, ETC.
2. PLUMBING
- PROVIDE AND APPROVED WATER HAMMER ARRESTOR FOR EACH PLUMBING FIXTURE SUPPLY AS REQUIRED BY FIXTURE MANUFACTURER.
 - ALL EXPOSED PIPE SHALL BE CHROME PLATED BRASS PIPE, NO FERROUS PIPE.
 - PROVIDE CLEANOUTS AT EACH CHANGE IN DIRECTION AND AT 100 FOOT INTERVALS IN STRAIGHT RUNS.
 - PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES AND TRAPS.
 - CLEANOUTS:
 - UNFINISHED FLOOR (FCO):JR SMITH #4020, OR EQUAL.
 - WALL (WCO):JR SMITH #4472, OR EQUAL, 24" ABOVE THE FLOOR.
 - GRADE (GCO):JR SMITH #4256, OR EQUAL, WITH HEAVY DUTY CAST IRON BODY AND COVER.
 - PROVIDE DIELECTRIC UNIONS WITH APPROPRIATE END CONNECTION TO MATCH THE PIPE SYSTEM IN WHICH INSTALLED (SCREWED, SOLDERED, OR FLANGED). PROVIDE DIELECTRIC UNIONS ON ALL PIPING CONNECTIONS TO HOT WATER HEATERS AND EXPANSION JOINTS.
 - ALL SEWER PIPING LOCATED INSIDE THE BUILDING SHALL BE INSTALLED WITH THE FOLLOWING SLOPES.
 - INSTALL 2-1/2" AND SMALLER PIPE AT 1/4" PER FOOT FALL.
 - INSTALL 3" AND LARGER PIPE AT 1/8" PER FOOT FALL.
 - ALL SEWER PIPING LOCATED EXTERIOR TO THE BUILDING SHALL BE INSTALLED WITH THE FOLLOWING SLOPES.
 - INSTALL 4" AND SMALLER PIPE AT A MINIMUM OF 2% SLOPE.
 - INSTALL 6" AND LARGER PIPE AT A MINIMUM OF 1% SLOPE.
3. PIPING
- DOMESTIC COLD, AND HOT.
 - TYPE L HARD DRAWN COPPER TUBING, ASTM B-88 WITH WROUGHT BRONZE SOLDERED FITTINGS.
 - BALL VALVE: CRANE #932 OR EQUAL.
 - SANITARY SEWER AND VENTS.
 - SCHEDULE 40 PVC SOLID PLASTIC PIPE WITH DWV FITTINGS.
4. INSULATION:
- ALL INSULATIONS AND ACCESSORIES SHALL HAVE A FIRE HAZARD CLASSIFICATION WITH A FLAME SPREAD RATING OF NOT OVER 25, A FUEL CONTRIBUTION RATING OF NOT OVER 50, AND A SMOKE DEVELOPMENT RATING OF NOT OVER 50, IN ACCORDANCE WITH NFPA.
 - PIPE INSULATION (ABOVE GRADE):
 - THE PIPE INSULATION USED SHALL HAVE A THERMAL CONDUCTIVITY OF 0.27 BTU PER IN./HR*SQ-FT*F OR LESS.
 - FLEXIBLE CLOSED CELL ELASTOMERIC THERMAL INSULATION, UNSUT OR PRESUT WITH PRESSURE SENSITIVE ADHESIVE SYSTEM FOR CLOSURE AND VAPOR SEALING, EQUAL TO ARMSTRONG AP ARMAFLEX OR ARMAFLEX 2000.
 - INSULATION SCHEDULE:
 - DOMESTIC HOT WATER: 1"
5. TESTING, BALANCING AND CLEANING:
- ALL PIPING SHALL BE TESTED FOR LEAKS BEFORE BEING CONCEALED IN WALL CONSTRUCTION OR COVERED WITH INSULATION.
 - SEWER AND VENT PIPING SHALL BE HYDROSTATICALLY TESTED WITH NO LESS THAN 10 FEET OF HEAD FOR A PERIOD OF NOT LESS THAN 15 MINUTES, PER THE LOCAL PLUMBING CODE, WITH NO LEAKS.
 - DOMESTIC WATER PIPING SHALL BE HYDROSTATICALLY TESTED AT A PRESSURE OF NOT LESS THAN 1-1/2 TIMES THE OPERATING PRESSURE, BUT NOT LESS THAN 60 PSI, FOR A PERIOD OF NOT LESS THAN 2 HOURS, WITH NO LEAKS.

GENERAL NOTES

- DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- COORDINATE INSTALLATION OF MECHANICAL SYSTEM WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION AND AVOID CONFLICTS. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. VERIFY DUCT SPACE AVAILABLE ABOVE ALL CEILINGS PRIOR TO ANY FABRICATION OF INSTALLATION.
- ALL ROOF AND WALL PENETRATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PROVIDE ALL REQUIRED SLEEVES, FLASHINGS, CURBS, REINFORCED ANGLES, SUPPORTING FRAMES, ETC. UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
- THE ELECTRICAL SYSTEM DESIGN IS BASED IN PART ON THE SPECIFIED HVAC EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE ELECTRICAL REQUIREMENTS OF THE HVAC EQUIPMENT BEING FURNISHED. ANY CHANGES TO THE ELECTRICAL SYSTEM DUE TO HVAC EQUIPMENT OTHER THAN THE SPECIFIED EQUIPMENT BEING FURNISHED SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

KEYED PLAN NOTES

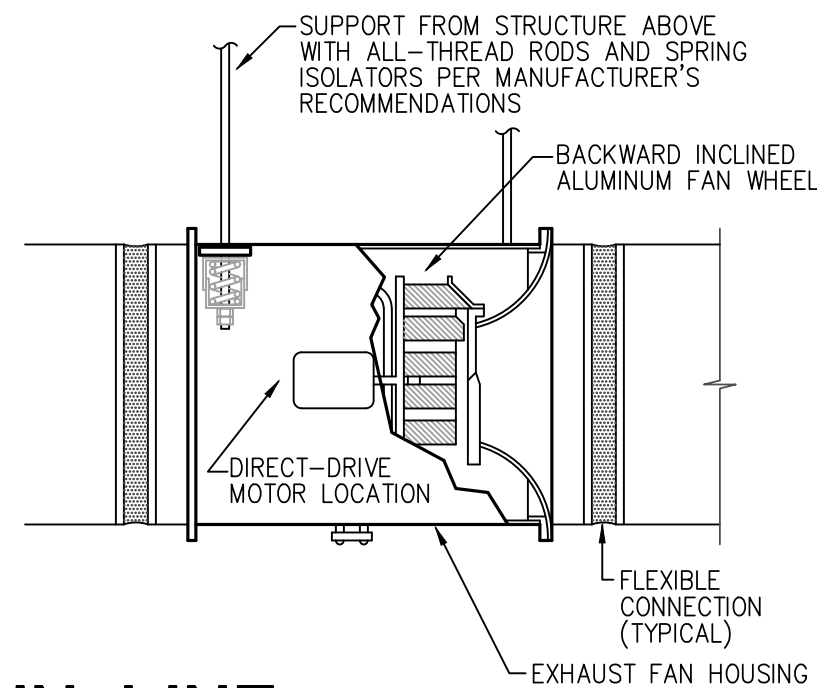
- CEILING MOUNT EXHAUST FAN WITH 4"Ø DUCT UP THROUGH ROOF. DUCT SHALL TERMINATE 16" ABOVE ROOF WITH WEATHERPROOF RAIN CAP. SEAL ROOF PENETRATION WEATHER TIGHT.
- 6"Ø PVC EXHAUST DUCT UP THROUGH ROOF. DUCT SHALL TERMINATE 16" ABOVE ROOF WITH PVC WEATHER CAP.
- 6"Ø PVC EXHAUST DUCT DOWN. TERMINATE EXHAUST DUCT 12" A.F.F. COVER OPENING WITH 1/4"x1/4" WIRE MESH SCREEN. COORDINATE LOCATION WITH POOL CONSULTANT.
- LOUVERED DOOR BY GENERAL CONTRACTOR.



CEILING MOUNTED EXHAUST FAN

SCALE : NO SCALE

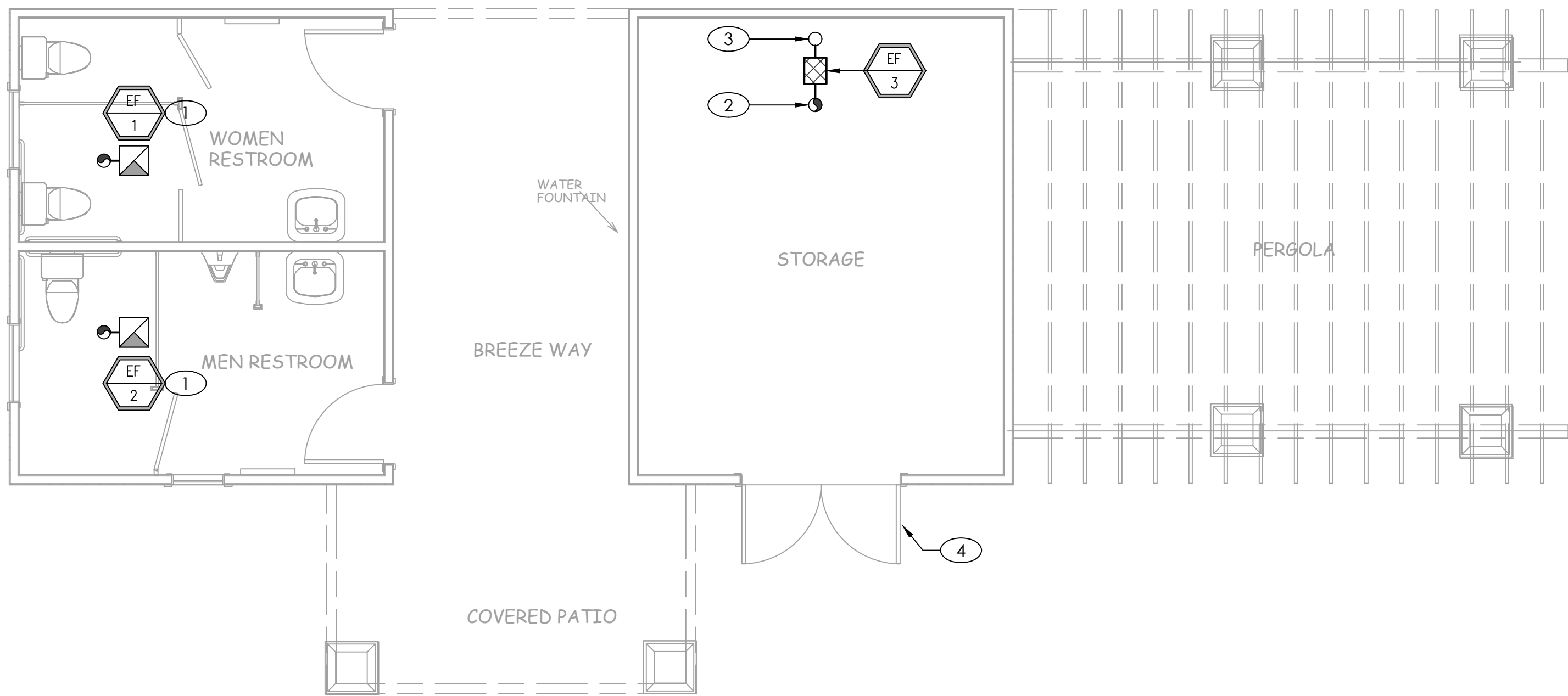
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IN-LINE EXHAUST FAN

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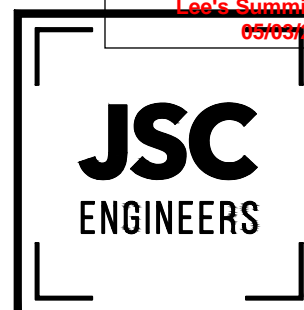
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MECHANICAL PLAN

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

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MECHANICAL PLAN
AND
SPECIFICATIONS

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JOB NO.: 22-133

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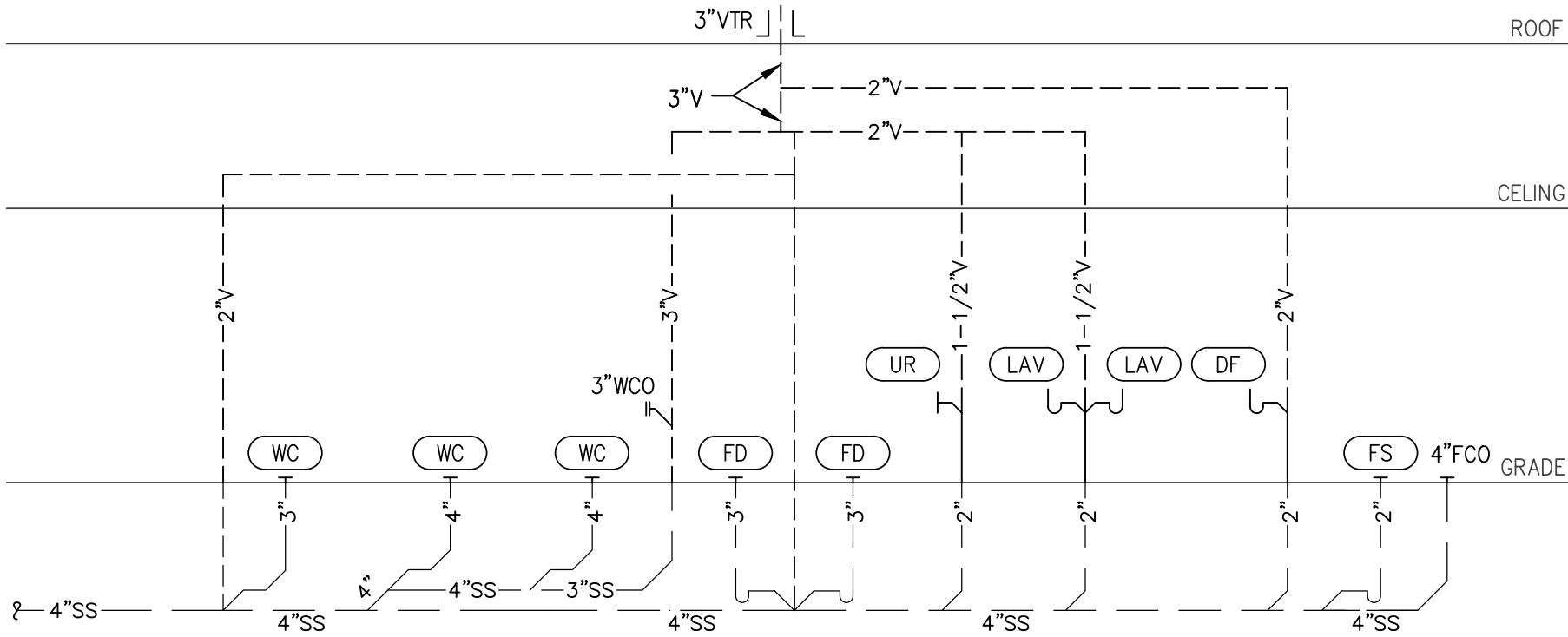
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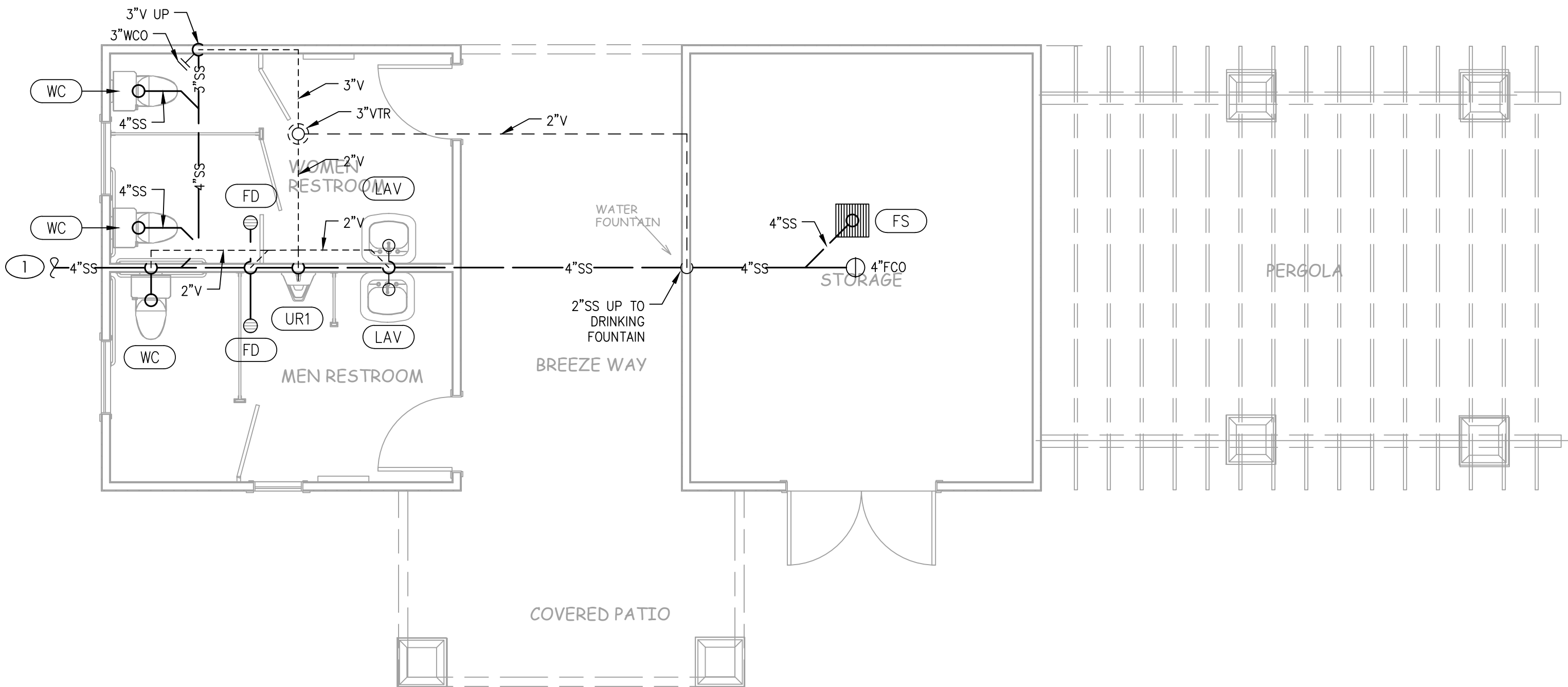
PLUMBING FIXTURE SCHEDULE	
LAV	HANDICAP ACCESSIBLE WALL MOUNT LAVATORY WITH CARRIER, PROFLO MODEL PF5411WH, VITREOUS CHINA, WHITE, SELF-RIMMING COUNTER TOP, PROFLOW PFWS3006 ADA COMPLIANT FAUCET, SS FLEX SUPPLY RISERS WITH CHROME PLATED STOP VALVES, P-TRAP WITH CLEANOUT AND ESCUTCHEONS. INSULATE WITH "HANDI-LAV-GUARD" MODEL 102, OR EQUAL.
WC	FLOOR-MOUNTED ADA WATER CLOSET: PROFLO MODEL PF1503WH, HANDICAP ACCESSIBLE, VIREOUS CHINA, 1.28 GPF, ELONGATED BOWL, FLOOR MOUNTED, WHITE, VITREOUS CHINA TANK AND COVER CONTAINING FLUSHOMETER/TANK WITH BUILT-IN PRESSURE REGULATOR AND BACKFLOW PREVENTER, WHITE OPEN FRONT SEAT, CHROME STOPS, C.P. FLEXIBLE RISER TUBE, BOLT CAPS, AND ESCUTCHEON
FD	FLOOR DRAIN: SOUIX CHIEF 842-3PNR, FLOOR DRAIN, PVC BODY AND CLAMPING COLLAR, ADJUSTABLE 5-1/2" ROUND NICKEL BRONZE STRAINER. PROVIDE WITH PROSET SYSTEMS "TRAP GUARD" INSERT FOR ACTUAL FLOOR DRAIN MODEL AND SIZE PROVIDED.
FS	FLOOR SINK, JOSAM 49420-LF-NB SERIES SQUARE CAST IRON 12-1/4" DEEP SUPER FLO-SEPTOR® FLOOR SINK WITH ACID-RESISTING INTERIOR, BOTTOM OUTLET, ALUMINUM INTERNAL DOME STRAINER, NIKALOY SANITARY SLOPED RIM AND NIKALOY, LIGHT-DUTY, ANTI-TILTING, SUPER-FLO® GRATE. 16x16 SQUARE TOP, 4" OUTLET.
DF	DRINKING FOUNTAIN. ELKAY EZH2O. ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION. ADA COMPLIANT. COLOR BY OWNER/ARCHITECT. MOUNT AT HEIGHT DETERMINED BY ARCHITECT. 115V/1PH, 4.2 FLA, 370 WATTS, 71 LBS.
RPZ1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER: 1", WATTS # LF009QT, MEETING ASSE 1013, LEAD FREE CAST BRONZE BODY, QUARTER TURN TESTING COCKS, QUARTER TURN BALL VALVES, AND # 909AG AIR GAP FITTING.
RPZ2	REDUCED PRESSURE ZONE BACKFLOW PREVENTER: 3/4", WATTS # LF009QT, MEETING ASSE 1013, LEAD FREE CAST BRONZE BODY, QUARTER TURN TESTING COCKS, QUARTER TURN BALL VALVES, AND # 909AG AIR GAP FITTING.
FPWH	FREEZE-PROOF WALL HYDRANT: PRIER PRODUCTS HC-6341, 3/4" FPT INET, 3/4" THREADED HOSE CONNECTION, LOOSE KEY HANDLE HYDRANT LENGTH AS REQUIRED FOR INSTALLED WALL THICKNESS, ADJUSTABLE WALL CLAMP, BRASS BOX WITH SATIN NICKEL PLATED FINISH AND INTEGRAL ASSE 1052 DOUBLE CHECK VACUUM BREAKER.
UR1	URINAL: SLOAN WEUS1000.1001, WHITE, VITREOUS CHINA, WASHOUT WALL URINAL, 0.1 GALLONS PER FLUSH, 27"H X 17"W, FURNISH WITH FLUSHOMETER, VANDAL RESISTANT CHROME PLATED HOUSING, ADJUSTABLE TAILPIECE AND VANDAL RESISTANT OUTLET STRAINER. MOUNT NON-ADA AT 24" FROM FINISHED FLOOR, MOUNT ADA URINAL 17" FROM FINISHED FLOOR. TRIM: SUITABLE CARRIER WITH STANCHIONS TO FLOOR.
EW1	ELECTRIC WATER HEATER, EEMAX, MODEL SP2412, 2.4KW, 20 AMP, 110 VOLT, POINT OF USE WATER HEATER. SET HW SUPPLY TEMP SET TO 110F.
EW2	ELECTRIC WATER HEATER, EEMAX, MODEL SP2412, 2.4KW, 20 AMP, 110 VOLT, POINT OF USE WATER HEATER. SET HW SUPPLY TEMP SET TO 110F.



PLUMBING RISER DIAGRAM

SCALE : NO SCALE

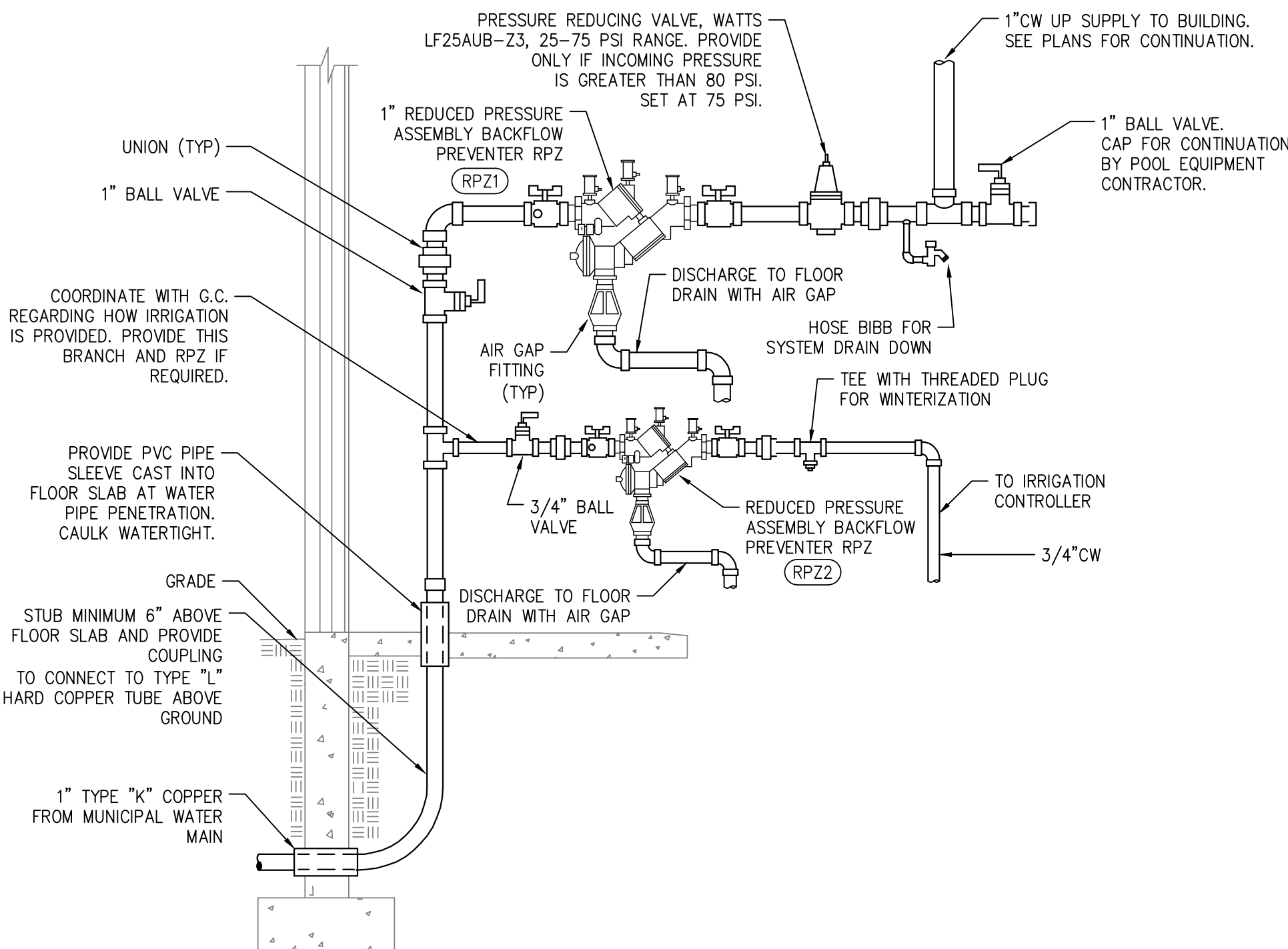
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WASTE & VENT PLAN

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

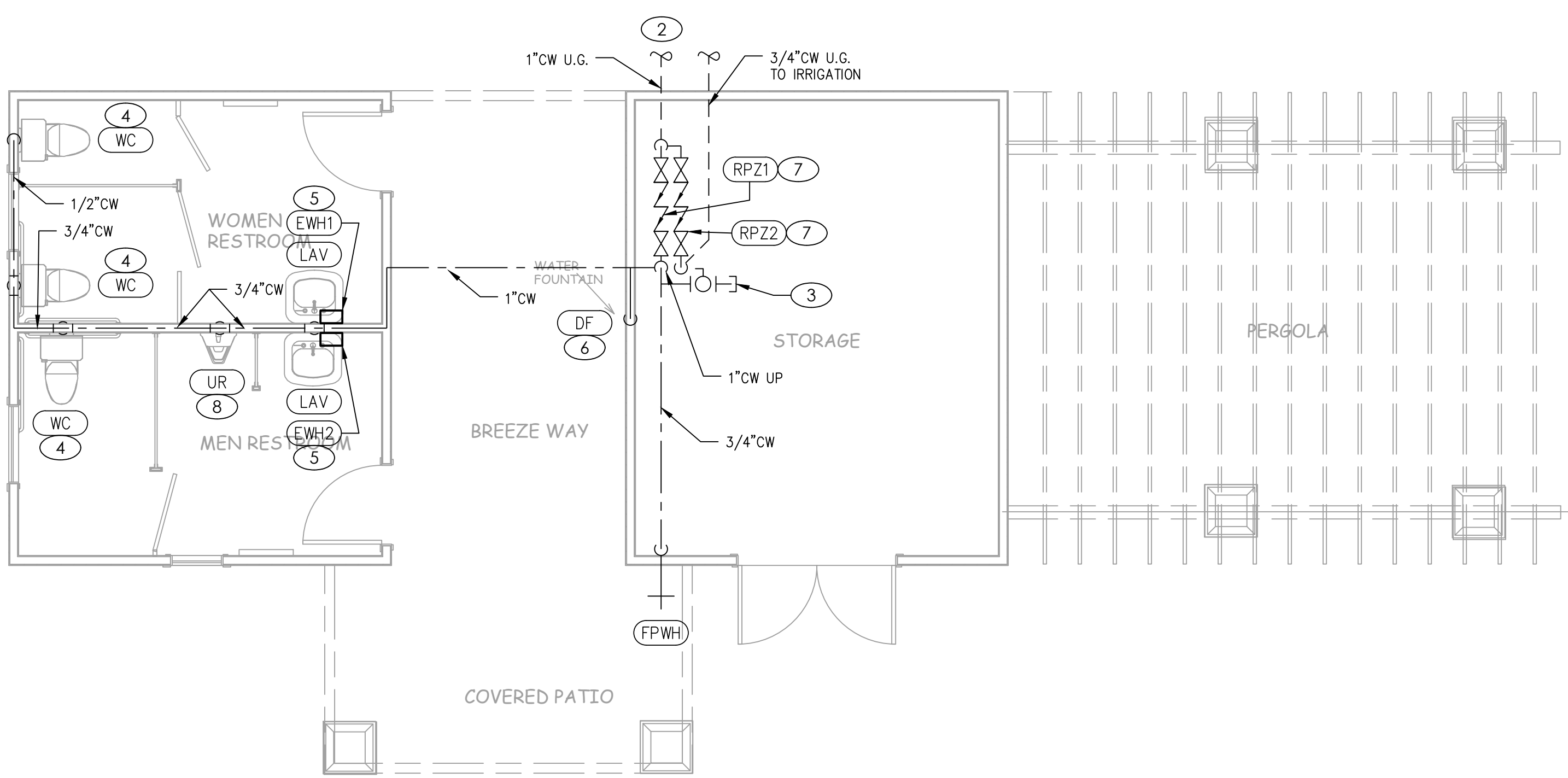
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DOMESTIC WATER ENTRY

SCALE : NONE

4



WATER PLAN

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

1



KEYED PLAN NOTES

- 4" SANITARY TO UTILITY SERVICE. CONTRACTOR SHALL WORK WITH LOCAL WASTE WATER AUTHORITY FOR INSTALLATION OF A NEW SEWER LINE CONNECTING INTO THE SEWER MAIN FOR A COMPLETE INSTALLATION. REFER TO CIVIL PLANS FOR CONTINUATION. COORDINATE INVERT ELEVATION WITH SITE CIVIL CONTRACTOR PRIOR TO START OF WORK.
- 1" DOMESTIC COLD WATER TO UTILITY SERVICE. CONTRACTOR SHALL WORK WITH THE WATER COMPANY FOR THE INSTALLATION OF A NEW WATER MAIN ENTRANCE, INCLUDING TAP, METER, METER PIT, PIPING, ETC. FOR A COMPLETE INSTALLATION. REFER TO CIVIL PLANS FOR CONTINUATION.
- 1" CW VALVED AND CAPPED FOR FUTURE USE BY POOL EQUIPMENT.
- 1/2" CW TO WATER CLOSET.
- 1/2" CW DOWN IN WALL. PROVIDE 1/2" CW TO LAV AND 1/2" CW TO INSTANTANEOUS WATER HEATER UNDER SINK. CONTINUE WITH 1/2" HW TO LAV. SET HW SUPPLY TEMPERATURE TO 110F.
- 1/2" CW TO DRINKING FOUNTAIN.
- COORDINATE PLACEMENT OF RPZ WITH POOL CONSULTANT PRIOR TO INSTALLATION. ALSO COORDINATE WITH ELECTRICAL CONTRACTOR. DO NOT ROUTE PIPING ABOVE OR WITHIN WORKING SPACE OF ELECTRICAL PANEL.
- 3/4" CW DOWN TO URINAL.

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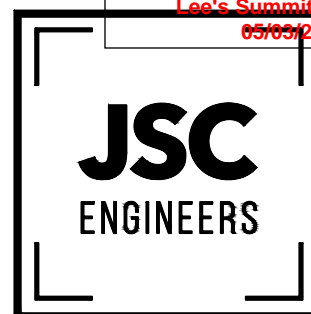
PLUMBING PLANS

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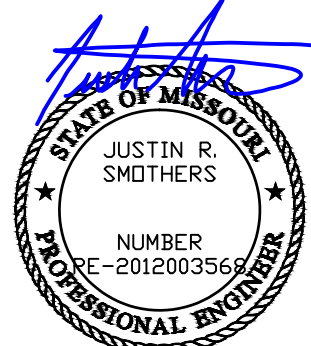
JOB NO.: 22-133

SHEET:

MP1.2



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ELECTRICAL SPECIFICATIONS

DATE: 05.20.2022

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SYMBOLS LEGEND

NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ETC, ARE NECESSARILY USED ON THE DRAWINGS.

LIGHTING FIXTURES – SYMBOL/LETTER INDICATES LIGHT FIXTURE AS INDICATED ON FIXTURE SCHEDULE

- LED FIXTURE (SEE LIGHTING FIXTURE SCHEDULE)
- FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT TRACK LIGHT
- DOWNLIGHT FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT
- WALL MOUNTED FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT
- PENDANT MOUNTED FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT
- DOWNLIGHT FIXTURE
- WALL MOUNTED FIXTURE
- PENDANT MOUNTED FIXTURE
- WALL WASHER
- SINGLE FACE EXIT SIGN – UNIVERSAL MOUNTED
- SINGLE FACE EXIT SIGN W/ DIRECTIONAL ARROWS – UNIVERSAL MTD
- DOUBLE FACE EXIT SIGN W/ DIRECTIONAL ARROWS – UNIVERSAL MTD
- DUAL HEADED EMERGENCY UNIT
- COMBO DUAL HEADED EMERGENCY AND EXIT SIGN UNIT

LIGHTING CONTROLS

- SINGLE POLE SWITCH @ +48" UNLESS NOTED
- SWITCH BANK @ +48" UNLESS NOTED, LOWER CASE LETTER INDICATES FIXTURE CONTROLLED.
- 3-WAY SWITCH @ +48" UNLESS NOTED
- 4-WAY SWITCH @ +48" UNLESS NOTED
- DIMMER SWITCH – SIZE AS REQUIRED @ +48" UNLESS NOTED
- MANUAL MOTOR STARTER
- WALL SWITCH WITH OCCUPANCY SENSOR, DIGITAL LOW VOLTAGE WALL SWITCH, SWITCH @ +48" UNLESS NOTED.
- TWO BUTTON DIGITAL LOW VOLTAGE WALL SWITCH, PROVIDES ON/OFF/0-10V DIMMING, SWITCH @ +48" UNLESS NOTED, PROVIDE EXTRA CONTROL CABLES NEEDED TO FIXTURE CONTROLLED.
- LIGHTING CONTROLS CEILING MOUNT OCCUPANCY SENSOR
- LIGHTING CONTROLS POWER PACK
- PHOTOCELL
- TIMECLOCK

POWER DISTRIBUTION

- SWITCHBOARD, MOTOR CONTROL CENTER OR DISTRIBUTION BOARD
- 277/480V, 3 PHASE, 4 WIRE PANELBOARD, UNO
- 120/208V, 3 PHASE, 4 WIRE PANELBOARD, UNO
- 120/240V, 1 PHASE, 3 WIRE PANELBOARD, UNO
- TRANSFORMER

POWER DEVICES

- SPECIAL HEAVY DUTY RECEPTACLE – SIZE AS NOTED, @ +18" UNLESS NOTED
- 1/2 SWITCHED RECEPTACLE @ +18" UNLESS NOTED
- FIRE RATED POKE THRU WITH TYPE INDICATED
- FLUSH FLOOR BOX WITH TYPE INDICATED
- SINGLE RECEPTACLE @ +18" UNLESS NOTED
- DUPLEX RECEPTACLE @ +18" UNLESS NOTED
- DOUBLE DUPLEX RECEPTACLE @ +18" UNLESS NOTED
- DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP
- GFCI-RATED DUPLEX RECEPTACLE
- ARC FAULT RATED DUPLEX RECEPTACLE
- TAMPER RESISTANT RATED DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE WITH WEATHERPROOF COVERPLATE @ 18" UNLESS NOTED
- JUNCTION BOX
- DISCONNECT SWITCH – SIZE AND TYPE NOTED
- COMBINATION FUSED STARTER DISCONNECT SWITCH FUSE SIZE AS INDICATED, STARTER SIZE '1"

AUXILIARY SYSTEMS

- MECHANICAL EQUIP. CONNECTION, SEE SCHED. ON MECH. PLAN
- TELEPHONE OUTLET @ +18" UNLESS NOTED
- DATA OUTLET @ +18" UNLESS NOTED
- COMBINATION TELEPHONE/DATA OUTLET @ +18" UNLESS NOTED
- TELEVISION OUTLET @ +60" UNLESS NOTED
- SMOKE DETECTOR
- HEAT DETECTOR
- DUCT SMOKE DETECTOR
- REMOTE TEST STATION WITH INDICATING LIGHT, MOUNT AT 48" AFF UNO.
- AUXILIARY SYSTEM TERMINAL CABINET

GENERAL

- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING
- CONDUIT RUN BELOW FLOOR OR GRADE

P1-3,5,7 HOMERUN TO PANELBOARD, INFORMATION AT ARROWS ARE CIRCUIT NUMBERS AND PANELBOARD FOR TERMINATION, REFER TO ASSOCIATED NOTE FOR BRANCH CIRCUIT CONDUCTOR SIZES.

INDICATES 1/2" CONDUIT CONCEALED IN CEILING OR WALL WITH (3) CONDUCTORS. (1) PHASE, (1) NEUTRAL AND (1) GROUND WIRE. ALL ARE #12 AWG UNLESS NOTED OTHERWISE.

(E) OR ETR: DENOTES EXISTING ITEM/EQUIPMENT TO REMAIN

ELECTRICAL SPECIFICATIONS

PART I – GENERAL

A. CONDITIONS

- FURNISH AND INSTALL A COMPLETELY WIRED AND OPERATIONAL ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN, INCLUDING BUT NOT LIMITED TO, THESE MAJOR ITEMS.
A. LIGHTING FIXTURES AS INDICATED AND SPECIFIED ON THE PLANS.
B. ELECTRICAL PANELS, SERVICE, CONDUIT, WIRING, ETC., FOR ALL OUTLETS AND EQUIPMENT.
C. TELEPHONE, TELEVISION, AND FIRE ALARM. OUTLETS AND CONDUIT AS INDICATED.
- OBTAIN AND REVIEW ALL OTHER DRAWINGS INCLUDING REFLECTED CEILING PLAN, INTERIOR AND EXTERIOR ELEVATIONS, FURNITURE PLANS AND ALL MILL WORK DRAWINGS. COORDINATE INSTALLATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT PRIOR TO ROUGH-IN.
- OBTAIN SUBMITTAL AND SHOP DRAWINGS FROM OTHER TRADES AND EQUIPMENT TO COORDINATE INSTALLATION ACCORDINGLY.
- INSTALLATION SHALL COMPLY WITH ALL CURRENT APPLICABLE CODES AND GOVERNING AGENCIES HAVING JURISDICTION.
- FIRE ALARM SYSTEM, IF REQUIRED PER IBC, SHALL BE DESIGN-BUILD BY OWNER'S/OC'S FIRE ALARM CONTRACTOR. DESIGN SHALL BE IN ACCORDANCE WITH NFPA 72. FIRE ALARM CONTRACTOR SHALL SUBMIT STAMPED DRAWINGS TO AHJ FOR REVIEW AND APPROVAL. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR TESTING AND VERIFYING THAT THE AUDIBILITY OF THE FIRE ALARM SYSTEM MEETS A MINIMUM OF 15 DBA ABOVE AMBIENT NOISE LEVELS. ADD HORNS WHERE REQUIRED TO MAINTAIN MINIMUM LEVELS.
- PROVIDE FIRE STOP ON ALL PIPING THAT PENETRATES RATED WALLS. METHOD OF FIRE STOP SHALL MEET WALL RATING. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE RATED WALLS. THIS CONTRACTOR SHALL PROVIDE FIRE RATED ENCLOSURES AROUND ALL ROUGH-IN BOXES, PANELS, ETC. THAT ARE LOCATED IN FIRE RATED WALLS AND SHALL FIRE CAULK ALL OPENINGS IN RATED ASSEMBLIES.

B. RELATED WORK BY OTHERS

- THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, TRENCH, AND BACKFILL FOR ELECTRICAL SERVICE ENTRANCE FROM THE MAIN SERVICE TO UTILITY POINT OF ELECTRICAL SERVICE. ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ELECTRICAL SERVICE ENTRANCE WITH SERVING UTILITY COMPANY.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, TRENCH, AND BACKFILL FOR PRIMARY PHONE AND CATV SERVICE FROM THE TELEPHONE TERMINAL BOARD OR CABINET TO THE PHONE COMPANY AND CATV COMPANY POINT OF SERVICE COORDINATE WITH LOCAL UTILITY COMPANIES.

C. CODES, REGULATIONS, AND STANDARDS

- THE INSTALLATION SHALL COMPLY WITH APPLICABLE LOCAL AND STATE CODES AND ORDINANCES, WITH THE REGULATIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE AND WITH THE REQUIREMENTS OF THE POWER, TELEPHONE, AND CATV COMPANIES FURNISHING SERVICES TO THIS INSTALLATION.
- THE LATEST EDITIONS OF THE FOLLOWING INDUSTRY STANDARDS, SPECIFICATIONS, AND CODES ARE MINIMUM REQUIREMENTS:
A. THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION STANDARDS.
B. THE NATIONAL ELECTRICAL CODE, INCLUDING LOCAL AMENDMENTS.
C. UNDERWRITER LABORATORIES INCORPORATED STANDARDS.
D. AMERICAN NATIONAL STANDARDS INSTITUTE.
E. INTERNATIONAL BUILDING CODE.

D. INSPECTION OF SITE

- PRIOR TO SUBMITTING A BID FOR ELECTRICAL WORK, THE CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED CONSTRUCTION AND SHALL THOROUGHLY ACQUAINT HIMSELF WITH EXISTING UTILITIES, AND WORKING CONDITIONS TO BE ENCOUNTERED, ETC. ALLOWANCE WILL NOT BE MADE FOR NONCOMPLIANCE WITH THIS CONDITION AFTER BIDDING.
- ELECTRICAL INSTALLATION SHALL MEET THE EXISTING CONDITIONS.

E. STORAGE AND HANDLING OF MATERIAL

- DELIVER MATERIALS AND EQUIPMENT TO THE PROJECT IN THE MANUFACTURER'S ORIGINAL, UNOPENED, LABELED CONTAINERS. PROTECT AGAINST MOISTURE, TAMPERING, OR DAMAGE FROM IMPROPER HANDLING OR STORAGE. CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR ANY DAMAGE TO WORK OR MATERIALS UNTIL FINAL ACCEPTANCE BY THE OWNER, AND SHALL MAKE GOOD WITHOUT COST TO THE OWNER, ANY DAMAGE OR LOSS THAT MAY OCCUR DURING THIS PERIOD.
- ARRANGE FOR TIMELY DELIVERY OF MATERIALS AND EQUIPMENT TO THE JOB SITE IN ORDER TO MINIMIZE THE LENGTH OF TIME BETWEEN DELIVERY AND INSTALLATION.
- COVER AND PROTECT ANY MATERIAL WHICH MAY BE AFFECTED BY THE WEATHER WHILE IN TRANSIT OR STORED AT THE PROJECT SITE. ANY MATERIAL FOUND DEFECTIVE OR NOT INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS MAY BE REJECTED BY THE ENGINEER.

F. CLEANUP

- KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS, OR RUBBISH CAUSED BY EMPLOYEES OR WORK UNDER THIS DIVISION OF THE SPECIFICATIONS. AT THE COMPLETION OF THE WORK REMOVE ALL SURPLUS MATERIALS, TOOLS, ETC., AND LEAVE THE PREMISES BROOM-CLEAN.

G. EXCAVATION, CUTTING, AND FITTING

- PERFORM ALL EXCAVATION AND BACK FILLING REQUIRED FOR WORK PERFORMED UNDER THIS DIVISION OF THE SPECIFICATIONS. USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OFF SITE MATERIALS ARE DEEMED NECESSARY.
- PERFORM THE EXCAVATION, CUTTING, FITTING, REPAIRING, AND FINISHING OF THE WORK NECESSARY FOR THE INSTALLATION OF THE EQUIPMENT OF THIS SECTION. HOWEVER, NO CUTTING OF THE WORK OF OTHER TRADES OR OF ANY STRUCTURAL MEMBERS SHALL BE DONE WITHOUT THE CONSENT OF THE ARCHITECT.

H. DRAWINGS

- THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATIONS OF THE ELECTRICAL WORK DATA PRESENTED ON THESE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT FIELD VERIFICATION OF ALL DIMENSIONS, LOCATIONS, LEVELS, ETC., TO SUIT FIELD CONDITIONS IS REQUIRED. REVIEW ALL ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS SHOWN. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DISCREPANCIES BETWEEN DIFFERENT PLANS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR REGULATIONS AND CODES GOVERNING THE INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE THE DATE OF BID OPENING. IF DISCREPANCIES ARE NOT REPORTED, THE CONTRACTOR SHALL BID THE GREATER QUANTITY OR BETTER QUALITY, AND APPROPRIATE ADJUSTMENTS WILL BE MADE AFTER CONTRACT AWARD. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD MEASURE AND CONFIRM MOUNTING HEIGHTS AND LOCATION OF ELECTRICAL EQUIPMENT WITH RESPECT TO COUNTERS, RADIATION, ETC. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS, USE ACTUAL BUILDING DIMENSIONS.

I. COOPERATION WITH OTHER CONTRACTORS

- COOPERATE WITH THE OTHER TRADES SO THAT THE INSTALLATION OF THE ELECTRICAL OUTLETS AND EQUIPMENT WILL BE PROPERLY COORDINATED. CONDUIT, LIGHTING FIXTURES, AND OTHER EQUIPMENT LOCATIONS SHALL BE VERIFIED WITH OTHER TRADES TO AVOID CONFLICT WITH THE PIPING, DUCTWORK, STEEL, BEAMS, OR OTHER OBSTRUCTIONS.
- CAREFULLY VERIFY THE LOCATIONS OF THE OUTLET BOXES AND DETERMINE THAT THEY HAVE NOT BEEN DISTURBED DURING THE INSTALLATION OF MATERIALS OF OTHER TRADES.
- COORDINATE THE LOCATION OF THE TRENCHES AND CONDUITS FOR ELECTRICAL AND TELEPHONE UTILITY SERVICES WITH THE GENERAL CONTRACTOR.
- COORDINATE HVAC AND PLUMBING EQUIPMENT CONNECTION REQUIREMENTS WITH HVAC AND PLUMBING CONTRACTORS.

J. RECORD DRAWINGS

- THE ELECTRICAL CONTRACTOR SHALL MAINTAIN A SET OF DRAWINGS AT THE JOB SITE FOR THE EXCLUSIVE PURPOSE OF MAINTAINING A RECORD OF ALL WORK INSTALLED AND TO SHOW ANY DEVIATIONS FROM THE WORK INDICATED ON THE DRAWINGS.
- AT THE COMPLETION OF THE PROJECT, ONE SET OF REPRODUCIBLE DRAWINGS, SHOWING ALL RECORD CONDITIONS, SHALL BE DELIVERED TO THE OWNER FOR ACCEPTANCE PRIOR TO FINAL PAYMENT.

PART II – PRODUCTS AND EXECUTION

A. MATERIALS

- ALL MATERIALS SHALL BE NEW AND OF QUALITY AS SPECIFIED ON THE PLANS OR SPECIFICATIONS AND MUST CARRY THE UNDERWRITER'S LABORATORIES APPROVAL COVERING THE PURPOSE FOR WHICH THEY ARE USED, IN ADDITION TO MEETING ALL REQUIREMENTS OF THE CURRENT APPLICABLE CODES AND REGULATIONS.

B. SHOP DRAWINGS AND APPROVALS

- THE ITEMS SPECIFIED HEREIN AND ON DRAWINGS ARE USED AS A STANDARD OF QUALITY. ANY MATERIALS OF EQUAL QUALITY AND AESTHETIC VALUE WILL BE GIVEN CONSIDERATION AS A SUBSTITUTE FOR THE MATERIALS SPECIFIED. NO APPROVAL WILL BE GIVEN TO A SPECIFIC CATALOG NUMBER, MODEL, OR TYPE OF EQUIPMENT, PRIOR TO BIDDING. AFTER BIDDING, THE DECISION OF THE ARCHITECT AND/OR ENGINEER DETERMINING EQUAL MATERIALS WILL BE FINAL.
- THE CONTRACTOR SHALL SUBMIT SEVEN (7) IDENTICAL BOUND SETS OF SHOP DRAWINGS ON THE FOLLOWING ITEMS:
A. LIGHTING FIXTURE CUTS AND PERFORMANCE DATA.
B. OUTLINE DRAWINGS AND DATA SHEETS OF EACH PANELBOARD, LOAD CENTERS, AND DISTRIBUTION PANELS.
C. OUTLINE DRAWINGS OF ALL SWITCH GEAR COMPONENTS.
D. WIRING DEVICES AND COVERPLATES.
E. ALL CIRCUIT BREAKERS INSTALLED IN PANELBOARDS, LOAD CENTERS, AND DISTRIBUTION PANELS.
SUBMIT ITEMS AT ONE TIME IN A NEAT AND ORDERLY MANNER WITHIN 15 DAYS OF AWARD OF CONTRACT. PARTIAL SUBMITTALS WILL NOT BE ACCEPTABLE.

C. SYSTEM GROUNDING

- GROUNDING SHALL COMPLY WITH REQUIREMENTS OF ARTICLE 250. ALL EXPOSED NONCURRENT CARRYING METALLIC PARTS OF ELECTRICAL EQUIPMENT, METALLIC RACEWAY SYSTEMS, METALLIC CABLE ARMOR, GROUNDING CONDUCTOR OF NONMETALLIC SHEATHED CABLES, GROUNDING CONDUCTOR IN NONMETALLIC RACEWAYS, AND GROUNDED CONDUCTORS OF THE WIRING SYSTEM SHALL BE GROUNDED.
- GROUNDING CONDUCTOR (NEUTRAL) OF THE WIRING SYSTEM SHALL BE CONNECTED TO THE SYSTEM GROUNDING CONDUCTOR AT A SINGLE PLACE IN EACH SYSTEM BY REMOVABLE BONDING JUMPERS, SIZED ACCORDING TO THE APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL CODE. THE GROUNDED CONDUCTOR (NEUTRAL) TO THE GROUNDING CONDUCTOR CONNECTION SHALL BE LOCATED IN THE ENCLOSURE FOR THE SYSTEM'S OVERCURRENT PROTECTION OR WHERE OTHERWISE INDICATED ON THE PLANS OR SPECIFICATION.
- A GROUND BUS SEPARATE FROM THE NEUTRAL BUS SHALL BE PROVIDED IN ALL DISTRIBUTION PANELS AND PANELBOARDS. PROPER TORQUE ON GROUND BUS SHALL BE VERIFIED, PER MANUFACTURER'S RECOMMENDATIONS, PRIOR TO ENERGIZING EQUIPMENT.
- GROUND BUSES AND NEUTRAL BUSES IN ALL DISTRIBUTION PANELS, LOAD CENTERS, PANELBOARDS, AND THOSE PROVIDED IN ANY EQUIPMENT SHALL BE ISOLATED EXCEPT WHERE REQUIRED TO BE CONNECTED AS SPECIFIED ABOVE FOR THE SERVICE ENTRANCE.
- WHEN INDICATED ON THE DRAWINGS, EQUIPMENT GROUNDING CONDUCTORS SHALL BE EXTENDED FROM THE GROUND BUS IN THE DISTRIBUTION EQUIPMENT TO THE RECEPTACLE, FIXTURE OR DEVICE LUGS WHERE THEY ARE PROVIDED. WHERE LUGS ARE NOT PROVIDED, EQUIPMENT GROUNDING CONDUCTORS SHALL BE CONNECTED TO EQUIPMENT ENCLOSURES. THE CONNECTIONS SHALL BE ARRANGED SUCH THAT REMOVAL OF THE RECEPTACLE, EQUIPMENT GROUND CONDUCTORS, OR GROUND JUMPERS FROM GROUND BUSING SHALL NOT AFFECT THE GROUND SYSTEM.
- CONDUITS SHALL NOT BE USED AS A GROUNDING CONDUCTOR FOR POWER AND LIGHTING CIRCUITS. ALL CONDUIT SHALL HAVE SEPARATE CODE SIZED GREEN GROUND WIRE INSTALLED IN THE CONDUIT TO INSURE A CONTINUOUS GROUNDING PATH.
- IN INACCESSIBLE LOCATIONS, MAKE CONNECTIONS BY EXOTHERMIC WELD PROCESS.
- IN ACCESSIBLE LOCATIONS, CONNECTIONS SHALL BE MADE WITH BOLTED THROUGH, APPROVED SOLDERLESS BRONZE GROUNDING DEVICES.

D. WIRE

- CONDUCTOR SIZES SHOWN ON THE DRAWINGS ARE BASED ON COPPER WIRE. UNLESS OTHERWISE SPECIFIED, ALL WIRE SHALL BE TYPE XHHW OR SE FOR FEEDERS OR BRANCH CIRCUITS LARGER THAN 4 AWG, TYPE THHN/THWN INSULATION FOR FEEDERS AND BRANCH CIRCUITS 4 AWG AND SMALLER. ALL BRANCH CIRCUIT WIRING SHALL BE COPPER.
- ALUMINUM CONDUCTORS MAY BE UTILIZED FOR SERVICE ENTRANCE AND PANEL FEEDERS. CONDUCTORS SHALL BE ALUMINUM ALLOW AA-8000 SERIES.
- THE WIRES SHALL BE MARKED WITH COLOR TO SIMPLIFY CIRCUIT IDENTIFICATION. UNLESS OTHERWISE REQUIRED BY LOCAL ORDINANCES GROUND WIRES SHALL BE GREEN, NEUTRAL WIRES SHALL BE 120V-WHITE, AND LIVE WIRES 208Y/120V AND 120/240V SHALL BE BLACK (PHASE A), RED (PHASE B), AND BLUE (PHASE C). CIRCUIT SHALL BE LABELED IN EACH J-BOX.
- ALL CONDUCTORS SHALL BE RATED 600 VOLT.
- SPLICES IN EXTERIOR PULL BOXES AND MANHOLES SHALL BE WEATHERPROOF USING "SCOTCHCAST" SPULCE KIT OR APPROVED EQUAL. SEAL ENDS OF CONDUITS AND DUCTS WITH "DUCTSEAL" OR APPROVED EQUAL.
- PROVIDE SOLID CONDUCTOR FOR 12 AWG AND SMALLER.
- ALL WIRING WITHIN RESIDENTIAL UNITS ONLY MAY BE TYPE NM CABLE.
- NO WIRE SHALL BE INSTALLED IN THE CONDUIT SYSTEM UNTIL THE CONDUIT SYSTEM IS COMPLETE. USE MINERALAC NO. 100 OR EQUIVALENT AS A LUBRICANT TO FACILITATE THE INSTALLATION OF THE CONDUCTORS IN THE CONDUIT SYSTEM.
- MC CABLE WITH COPPER CONDUCTORS AND GROUND WIRE MAY BE USED WHERE PERMITTED.

E. CONDUIT

- ALL WIRING SHALL BE INSTALLED IN LISTED METALLIC CONDUIT EXCEPT AS PERMITTED IN OTHER SECTIONS. RGS, WITH A 20 MIL PVC COATING WILL BE USED WHEN IN CONTACT WITH EARTH. IMC MAY BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH THE EARTH. EMT MAY BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH EARTH, NOT IN CONCRETE SLABS OR WALLS AND NOT SUBJECT TO DAMAGE. PVC MAY BE USED IN OR BELOW CONCRETE AND DIRECT BURIED IN EARTH. FLEXIBLE STEEL CONDUIT SHALL BE USED FOR INDOOR FINAL CONNECTIONS TO EQUIPMENT IN LENGTHS NOT TO EXCEED 72". LIQUID-TIGHT FLEXIBLE STEEL CONDUIT SHALL BE FOR OUTDOOR FINAL CONNECTIONS TO EQUIPMENT NOT TO EXCEED 48".
- WHERE CONDUIT ENTERS OUTLET BOXES, FIXTURES OR CABINETS, FIRMLY FASTEN WITH STEEL SET SCREW, COMPRESSION CONNECTORS, OR DOUBLE LOCKNUTS FOR GRC. ALL CONNECTIONS SHALL HAVE BUSHINGS OR INSULATED THROAT CONNECTORS. FIRMLY FASTEN CONDUIT TO THE BUILDING CONSTRUCTION. RUN EXPOSED CONDUIT PARALLEL TO THE BUILDING LINES, SUPPORTED BY APPROPRIATE HANGERS (UNISTRUT, T & B OR APPLETON, OR EQUAL).
- COVER METALLIC CONDUIT IN CONTACT WITH EARTH WITH POLYETHYLENE TAPED SPIRAL WRAPPED, 1/2 LAPPED TO PROVIDE 20 MIL THICKNESS. TAPE SHALL BE SCOTCH NO. 50 TAPE. CONDUIT AND DUCTS NOT UNDER BUILDINGS AND FEEDER DUCTS SHALL BE INSTALLED PER N.E.C. 300-5. MAKE JOINTS WITH COMPOUND TO BE WATERTIGHT.
- SCHEDULE 40 PVC CONDUIT SHALL BE PERMITTED UNDERGROUND WITH PROPER FITTINGS, ALL UL APPROVED AND CEMENTED JOINTS. PENETRATIONS THROUGH FLOOR SLABS AND BENDS GREATER THAN 22" SHALL BE WRAPPED RIGID GALVANIZED STEEL ELBOWS.
- FITTINGS AND CONDUIT BODIES SHALL BE STEEL. DIECAST FITTINGS ARE NOT ACCEPTABLE. CONDUIT SIZES SHALL BE AS REQUIRED BY CODE AND AS INDICATED OR SPECIFIED.
- ALL EMPTY CONDUIT SYSTEMS SHALL HAVE A 200 LB. TEST NYLON PULL STRING TO FACILITATE INSTALLATION OF FUTURE WIRE.
- WIRING, CONDUITS, AND OUTLETS SHALL BE CONCEALED WITH THE BUILDING STRUCTURE, EXCEPT THAT CERTAIN MOTOR AND LIGHTING FEEDER CONDUITS MAY BE RUN EXPOSED IN CERTAIN AREAS AS INDICATED ON THE DRAWINGS.
- CONDUIT PENETRATION THROUGH ROOF SHALL HAVE ROOF FLASHING WITH CAULK TYPE COUNTER FLASHING SLEEVE. INSTALLATION SHALL BE WATERTIGHT.
- CONDUITS SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE STRUCTURE.

F. OUTLET, PULL, AND JUNCTION BOXES

- EACH SWITCH, LIGHT, RECEPTACLE OR OTHER OUTLET, INSTALLED IN RESIDENTIAL UNITS, SHALL BE PROVIDED WITH A CODE SIZED, PLASTIC OUTLET BOX. JUNCTION AND PULL BOXES SHALL BE CODE SIZED, PLASTIC OR METAL OUTLET BOX. ALL OTHER OUTLET BOXES SHALL BE STEEL.
- BOXES INSTALLED IN POURED CEMENT FLOORS SHALL BE FLUSH TYPE CAST IRON OR STEEL WITH WATERTIGHT GASKETED COVERS. WHERE BOXES ARE INSTALLED IN FLOORS WITH TILE OR CARPET FLOOR COVERING, COVERS SHALL BE OF THE RECESSED TYPE TO ACCOMMODATE THE FLOOR COVERING. BOXES INSTALLED FOR THE ALARM, COMPUTER, AND SECURITY SYSTEM SHALL BE PROVIDED WITH APPROPRIATE COVER PLATES.
- BOXES FOR TELEPHONE, COMPUTER, T.V., FIRE ALARM, SECURITY, AND SIMILAR SYSTEMS SHALL BE MINIMUM 2-1/8" DEEP.

G. WIRING DEVICES

- WALL SWITCHES SHALL BE SPECIFICATION GRADE AC SILENT TYPE SWITCHES, 20A 120/277 VOLT. RECEPTACLES SHALL BE SPECIFICATION GRADE, DUPLEX TYPE. NEMAS-20R, 20 AMPERE, 120VOLT GROUNDED TYPE. SPECIAL APPLICATION RECEPTACLES SHALL BE INDICATED ON PLANS. MOUNT WITH THE GROUND DOWN.
- DEVICE PLATES SHALL BE EQUAL TO SIERRA SMOOTH-LINE PLASTIC WALL PLATES. COLOR SHALL BE WHITE, UNLESS OTHERWISE NOTED.
- RECEPTACLES IN OUTDOOR AND WET LOCATIONS SHALL BE INSTALLED WITH A HINGED OUTLET COVER/ENCLOSURE CLEARLY MARKED AND U.L. LISTED SUITABLE FOR WET LOCATIONS WHILE IN USE, EQUAL TO TAYMAC SPECIFICATION GRADE.

H. SERVICE ENTRANCE SECTION

- THE SERVICE ENTRANCE EQUIPMENT SHALL BE AS INDICATED ON THE DRAWINGS. EQUIPMENT SHALL CARRY THE U.L. LABEL AND SHALL CONFORM TO THE POWER COMPANY REGULATIONS.
- SERVICE ENTRANCE EQUIPMENT SHALL BE PROVIDED WITH A FULLY RATED COPPER OR ALUMINUM BUS. HORIZONTALLY TAPERED BUSSING SHALL NOT BE ALLOWED.

I. DISTRIBUTION PANELS

- DISTRIBUTION PANELS SHALL BE PROVIDED WITH FULLY RATED COPPER OR ALUMINUM BUS. HORIZONTAL TAPERED BUSSING SHALL NOT BE ALLOWED.
- ACCEPTABLE MANUFACTURERS – CUTLER HAMMER, SIEMENS, SQUARE D OR GENERAL ELECTRIC
- FACTORY ASSEMBLED DEAD FRONT, METAL ENCLOSED, AND SELF-SUPPORTING SWITCH BOARD ASSEMBLY CONFORMING T NEMA PB 2 AND UL 891, AND COMPLETE FROM INCOMING LINE TERMINALS TO LOAD SIDE TERMINATIONS.
- LINE AND LOAD TERMINATIONS: ACCESSIBLE FROM FRONT ONLY OF THE SWITCH BOARD. SUITABLE FOR CONDUCTOR MATERIALS AND NUMBER OF CONDUCTORS USED.
- BUS CONNECTIONS: BOLTED, ACCESSIBLE FROM FRONT FOR MAINTENANCE. PROVIDE BELLEVILLE WASHERS FOR PROPERLY TORQUE ALL CONNECTIONS
- PROVIDE FULLY-RATED NEUTRAL BUS AND FULLY RATED GROUND BUS MATCHING MATERIAL USED FOR MAIN BUS.
- FUTURE PROVISIONS: FULLY EQUIP SPACES FOR FUTURE DEVICES WITH BUSSING AND BUS CONNECTIONS SUITABLY INSULATED AND BRACED FOR SHORT CIRCUIT CURRENTS. CONTINUOUS CURRENT RATING AS INDICATED ON DRAWINGS.
- ALL CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE.

J. PANEL BOARDS

- CIRCUIT BREAKER TYPE AS INDICATED ON DRAWINGS, UNLESS INDICATED OTHERWISE, ALL PANELS SHALL HAVE PANEL HAVE PANEL BOARD TYPE CONSTRUCTION WITH BOLT-ON CIRCUIT BREAKERS FOR 3ø PANELS
- MANUFACTURERS SHALL BE GENERAL ELECTRIC, SQUARE D, SIEMENS, CUTLER-HAMMER WITH VOLTAGE, SIZES, AND RATINGS AS INDICATED ON DRAWINGS.
- THE CIRCUIT BREAKERS SHALL BE OPERABLE IN ANY POSITION AND BE REMOVABLE FROM THE FRONT OF THE PANEL BOARD WITHOUT DISTURBING THE ADJACENT UNITS. BRANCH BREAKERS SHALL BE OF SUCH DESIGN THAT COMBINATION OF SINGLE-POLE, DOUBLE-POLE, AND THREE-POLE BREAKERS CAN BE ASSEMBLED ON THE SAME PANEL. EACH BRANCH CIRCUIT SHALL BE CLEARLY NUMBERED. BRANCH AND MAIN TERMINALS SHALL BE SOLDERLESS TYPE. HANDLE TIES TO FORM MULTI-POLE BREAKERS NOT ACCEPTABLE.

K. LOAD CENTER

- CIRCUIT BREAKER TYPE AS INDICATED ON DRAWINGS. MANUFACTURERS SHALL BE GENERAL ELECTRIC, SQUARE D, SIEMENS, CUTLER-HAMMER/EATON WITH VOLTAGE, SIZES, AND RATINGS AS INDICATED ON DRAWINGS.
- THE CIRCUIT BREAKERS SHALL BE OPERABLE IN ANY POSITION AND BE REMOVABLE FROM THE FRONT OF THE PANEL BOARD WITHOUT DISTURBING THE ADJACENT UNITS. BRANCH BREAKERS SHALL BE OF SUCH DESIGN THAT COMBINATION OF SINGLE-POLE AND DOUBLE-POLE BREAKERS CAN BE ASSEMBLED ON THE SAME PANEL. EACH BRANCH CIRCUIT SHALL BE CLEARLY NUMBERED. BRANCH AND MAIN TERMINALS SHALL BE OF THE SOLDERLESS TYPE. HANDLE TIES TO FORM MULTI-POLE BREAKERS NOT ACCEPTABLE.
- A CIRCUIT BREAKERS SHALL BE PLUG-IN TYPE
- WIRE TERMINATION FOR PANEL BOARDS AND CIRCUIT BREAKERS SHALL BE LISTED AS SUITABLE FOR 75 DEGREES C.
- PROVIDE A TYPEWRITTEN CIRCUIT INDEX BEHIND CLEAR PLASTIC COVER ON INSIDE OF DOOR. INFORMATION SHALL INCLUDE ROOM AND TYPE LOAD SERVED. ALL CIRCUIT BREAKERS SHALL BE IDENTIFIED, INCLUDING SPARES. INDEX CARD FRAME SHALL BE METAL, SECURED TO DOOR.
- PANEL BOARDS/LOAD CENTERS TO BE PROVIDED WITH COPPER BUSSING ONLY.

L. LIGHTING FIXTURES

- PROVIDE ALL LIGHTING FIXTURES, WIRED AND CONNECTED. THE DRAWINGS INDICATE THE FIXTURES FOR EACH LOCATION. PROVIDE LAMPS FOR ALL FIXTURES. THE LAMPS SHALL BE BY THE SAME MANUFACTURER. VERIFY CEILING CONSTRUCTION BEFORE ORDERING RECESSED UNITS. PROVIDE PLASTER FRAMES AND HANGERS AS REQUIRED. CEILING CONSTRUCTION, ARCHITECTURAL ACCESSORIES, VOLTAGE, AND BALLASTS TO MEET THE EXISTING CEILING CONDITION.

M. LIGHTING CONTROL

- FURNISH AND INSTALL TIME SWITCHES, PHOTOCELLS, CONTRACTORS AND FULL LIGHTING CONTROL SYSTEMS AS REQUIRED FOR LIGHTING CONTROLS INDICATED ON THE DRAWINGS.
- TIME SWITCHES SHALL BE EQUAL TO PARAGON, GENERAL ELECTRIC, TORK, OR INTERMATIC AND SHALL HAVE SIZE AND NUMBER OF POLES AS REQUIRED.
- PHOTOCELLS SHALL BE EQUAL TO TORK OR INTERMATIC WITH VOLTAGE AS INDICATED.

N. TELEPHONE AND CABLE TELEVISION SYSTEMS

- TELEPHONE WALL OUTLETS SHALL CONSIST OF STANDARD BOXES MOUNTED 18" ABOVE THE FLOOR UNLESS OTHERWISE INDICATED. PROVIDE A TERMINAL MOUNTING BOARD FOR THE INCOMING SERVICE CABLE.
- CABLE TELEVISION OUTLETS SHALL CONSIST OF STANDARD BOXES MOUNTED 18" ABOVE THE FLOOR UNLESS OTHERWISE INDICATED. PROVIDE A TERMINAL MOUNTING BOARD FOR THE INCOMING SERVICE CABLE.

O. GUARANTEE

- GUARANTEE ALL MATERIAL FURNISHED AND ALL WORKMANSHIP PERFORMED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF WORK. ANY DEFECTS DEVELOPING WITHIN THIS PERIOD, TRACEABLE TO MATERIAL FURNISHED AS A PART OF THIS SECTION OR WORKMANSHIP PERFORMED HEREUNDER, SHALL BE MADE GOOD AT NO EXPENSE TO THE OWNER.

7

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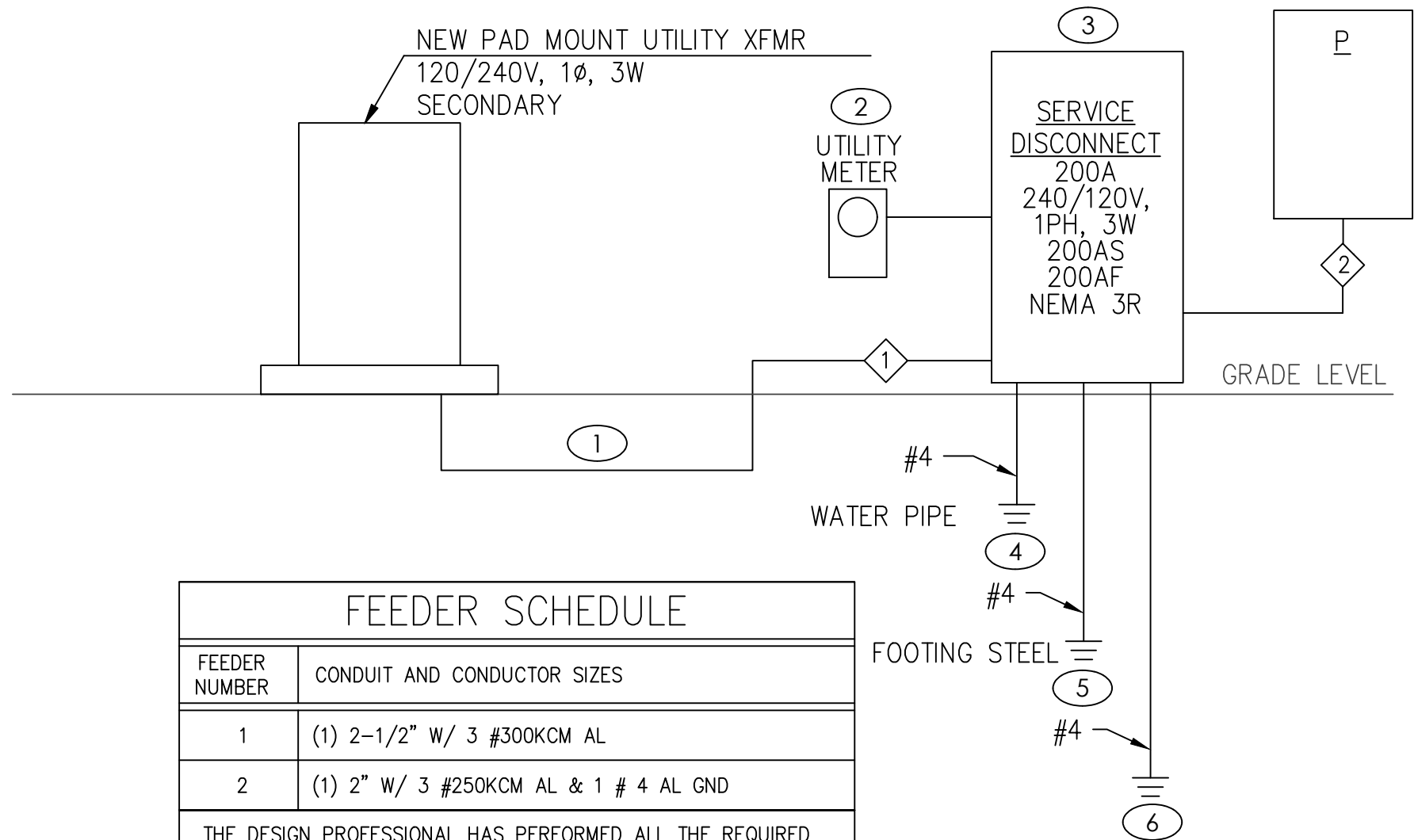
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ELECTRICAL LIGHTING SCHEDULE

FIXTURE TYPE	MANUFACTURER		VOLT AMPS	MOUNTING	LAMP TYPE	REMARKS	VOLT
	NAME	CATALOG NUMBER					
A	LITHONIA	VAP-600LM-FST-MD-MVOLT-40K-80CRI-VAP5MB-WLF-DL-STSL-MS102L3VWL	50	SURFACE CEILING	INCLUDED LED 4000K	VANDAL RESISTANT LED 4' DAMP LOCATION STRIP LUMINAIRE	120
B	LITHONIA	LDN6-30/15-L06-LSS-MVOLT-30K	17.5	RECESSED CEILING	INCLUDED LED 3000K	6' LED RECESSED DOWNLIGHT - WET LOCATION LISTED	120
W	EXTERIOR SCONCE	OWNER SELECTED	60	WALL SURFACE	INCLUDED LED 3000K	WET LOCATION RATED SCONCE - MAX 60W/FIXTURE	120
	LITHONIA	WLTU LED	5	SURFACE CEILING	INCLUDED	LED COMBO EXIT SIGN EMERGENCY LUMINAIRE WITH 90 MIN BATT. PACK WET LOCATION	120
	LITHONIA	ELA LED TWP M12	3	WALL	INCLUDED	OUTDOOR DOUBLE REMOTE HEAD EMERGENCY EGRESS LUMINAIRE	120



SINGLE LINE DIAGRAM

SCALE: NO SCALE

4

ELECTRICAL LIGHTING PLAN

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

2



GENERAL NOTES

- REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHT FIXTURE TYPES AND REQUIREMENTS.
- CONNECT ALL EXIT SIGNS AND EMERGENCY LIGHTING UNITS TO THE INDICATED CIRCUIT WITH A SEPARATE AND UN-SWITCHED CONDUCTOR BYPASSING ALL CONTROLS AND CONTACTORS. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR PROPER INSTALLATION AND TESTING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT COORDINATION AND CONFLICT ISSUES BE RESOLVED PRIOR TO INSTALLATION OF LIGHT FIXTURES.
- ROUTE ALL EXPOSED, RIGID CONDUIT TIGHT TO STRUCTURE, PARALLEL TO BUILDING LINES AND IN UNISTRUT CABLE/PIPE TRAY WHERE POSSIBLE. COORDINATE CONDUIT ROUTING AND INSTALLATION WITH OTHER TRADES PRIOR TO ROUGH-IN. SUPPORT CONDUIT FROM STRUCTURE NOT ROOF DECK. MAINTAIN 2" MIN SPACING FROM BOTTOM OF ROOF DECK TO PREVENT ROOFING SCREWS FROM PENETRATING CONDUITS.
- THROUGH WIRING OF RECESSED LIGHT FIXTURES, IN SUSPENDED CEILINGS, IS NOT PERMITTED. CONNECT EACH LIGHT FIXTURE BY A WHIP TO A JUNCTION BOX. PROVIDE CABLE WHIPS OF SUFFICIENT LENGTH TO ALLOW FOR RELOCATING EACH LIGHT FIXTURE WITHIN A 5-FOOT RADIUS OF ITS INSTALLED LOCATION, BUT NOT EXCEEDING 6 FEET IN UNSUPPORTED LENGTH.
- ALL INTERNALLY ILLUMINATED SIGNS SHALL BE PROVIDED WITH AN ACCESSIBLE DISCONNECTION MEANS. VERIFY EACH SIGN IS FURNISHED WITH AN INTEGRAL DISCONNECT SWITCH. PROVIDE WEATHERPROOF DISCONNECT SWITCHES WITHIN SIGHT OF ALL SIGNS AS REQUIRED. MAKE FINAL CONNECTION AS REQUIRED.

KEYED PLAN NOTES

- PROVIDE NEW CONDUCTORS TO UTILITY SOURCE. VERIFY EXACT LOCATION AND REQUIREMENTS WITH UTILITY PRIOR TO ROUGH-IN.
- PROVIDE NEW UTILITY METER PER UTILITY REQUIREMENTS.
- NEW DISCONNECT PER UTILITY REQUIREMENTS.
- PROVIDE NEW GROUND PER NEC 250.52(A)(1).
- PROVIDE NEW GROUND PER NEC 250.52(A)(2).
- PROVIDE NEW GROUND PER NEC 250.52(A)(3).
- PROVIDE MOTOR RATED SWITCH DESIGNED TO OPERATE CONTINUOUSLY.
- PROVIDE MOTOR RATED SWITCH DESIGNED TO OPERATE CONTINUOUSLY. CONNECT TO LIGHTING CIRCUIT FOR SIMULTANEOUS OPERATION.
- CONNECT TO INSTA-HOT PER MECHANICAL PLANS AND MANUFACTURER REQUIREMENTS.
- (1) 1/2" C W/ 2 #10 & 1 #12 GND.
- MOUNT RECEPTACLE TO PERGOLA STRUCTURE AND ROUTE CONDUIT IN DISCRETE MANNER FOR AVAILABILITY FOR PLUG-IN PERGOLA LIGHTING. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT.
- PROVIDE PHOTOCELL MOUNTED TO ROOF STRUCTURE AND POINTED NORTH. COORDINATE EXACT LOCATION WITH ARCHITECT. ROUTE CIRCUIT THROUGH PHOTOCELL EN ROUTE TO BREAKER TERMINATION.
- NORMALLY-CLOSED OVERRIDE SWITCHES FOR EXTERIOR CANOPY LIGHTING (CKT P-4) AND PLUG-IN CANOPY LIGHTING (CKT P-10). ROUTE CIRCUITS THROUGH RESPECTIVE OVERRIDE SWITCHES EN ROUTE TO BREAKER TERMINATION.
- PROVIDE CONDUIT UNDERGROUND TO JUNCTION BOX FOR FUTURE SITE POLE BY OTHERS. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO CONSTRUCTION.

PANEL: P				VOLTAGE: 240/120V				1PH, 3W				CIRCUIT CODES: 1=(CONTINUOUS LOAD)					
LOCATION: EQUIPMENT ROOM				BUS: 200 AMPS								2=(NON-CONTINUOUS LOAD)					
SHEET/1 LINE: E1.1				MAIN: M.L.O								3=(RECEPTACLES)					
AIC RATING: 42,000				MOUNTING: SURFACE								4=(KITCHEN EQUIPMENT)					
CKT	CB	LOAD DESIGNATION				LOAD		PHASES		LOAD		LOAD DESIGNATION				CB	CKT
NO.	TRIP	POLE	DESCRIPTION	MISC	REC	LITE	VA	A	B	VA	LITE	REC	MISC	DESCRIPTION	POLE	TRIP	NO.
1	2	30	1 EWH-1	X			2400	2914	////	514	X			INDOOR LIGHTING/EXHAUST FANS	1	20	1
2	3	30	1 EWH-2	X			2400	////	2800	400	X			OUTDOOR LIGHTING	1	20	1
3	2	1	RESTROOM/BREEZWAY OUTLETS	X			360	730	////	370	X			"GF" RCPT - DRINKING FOUNTAIN	1	20	1
7	1	15	1 EF-3	X			72	////	612	540	X			EQUIPMENT ROOMS OUTLETS	1	20	3
9			SPACE					500	////	500	X			RCPT - PERGOLA STRING LIGHTS	1	20	2
11			SPACE					////	500	500	X			PWR - SITE FIXTURE	1	20	2
13			SPACE					0	////					SPARE	1	20	2
15			SPACE					////	0					SPACE			2
17			SPACE					0	////					SPACE			2
19			SPACE					////	0					SPACE			2
21			SPACE					0	////					SPACE			2
23			SPACE					////	0					SPACE			2
25			SPACE					0	////					SPACE			2
27			SPACE					////	0					SPACE			2
29			SPACE					0	////					SPACE			2
31			SPACE					////	0					SPACE			2
33			SPACE					0	////					SPACE			2
35			SPACE					////	0					SPACE			2
37			SPACE					0	////					SPACE			2
39			SPACE					////	0					FUTURE POOL PANEL			100
41			SPACE					0	////					(/SHUNT TRIP TYPE BREAKER)	2		2
TOTAL							4144	3912									
NOTES:																	
"GF" = GFCI TYPE BREAKER																	
CONNECTED KVA 8.1																	
CONN.KVA (CODE 1) 1.4																	
CONN.KVA (CODE 2) 5.8																	
CONN.KVA (CODE 3) 0.9																	
CONN.KVA (CODE 4) 0.0																	
FEEDER DEMAND KVA 8.4																	
FEEDER DEMAND AMPS 35.0																	
JOB NAME: LSMO POOLHOUSE																	
ISSUE DATE: 05.18.22																	

PANELBOARD SCHEDULES

SCALE: NO SCALE

3

ELECTRICAL POWER PLAN

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

1



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05-20-2022

PROJECT: POOL HOUSE STRUCTURE
LEE'S SUMMIT, MO

REVISIONS: DATE / DESCRIPTION

1		
2		
3		
4		
5		

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ISSUED:

PERMIT

SHEET TITLE:

ELECTRICAL
PLANS

DATE: 05.20.2022

JOB NO.: 22-133

SHEET:

E1.1

WHISPERING WOODS POOL

1901 SW. RIVER RUN DR.

PROJECT INFORMATION

STATE: MISSOURI
COUNTY: JACKSON
CITY: LEE'S SUMMIT
TYPE: INGROUND POOL
CONSTRUCTION METHOD: CAST-IN-PLACE
SANITATION: CHLORINE
HEATED: NO

GENERAL NOTES

- ANY CHANGES IN CONSTRUCTION PLANS OR EQUIPMENT MUST BE APPROVED BY THE GOVERNING HEALTH DEPARTMENT. CHANGES MAY REQUIRE ADDITIONAL PLAN CHECK FEES AND RE-SUBMITTAL.
- POOL PLAN APPROVAL DOES NOT AUTHORIZE THE VIOLATION OF ANY LAW, ORDINANCE, OR REGULATION AND FINAL APPROVAL IS SUBJECT TO FIELD INSPECTION.
- ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- ALL EQUIPMENT AND MATERIALS NOT SHOWN OR SPECIFIED ON THESE PLANS, BUT REQUIRED TO COMPLETE THIS PROJECT, SHALL BE SUPPLIED BY THE POOL CONTRACTOR AS PART OF THIS CONTRACT WORK.
- REINFORCING STILL OF ALL AQUATIC FEATURES SHALL BE BONDED WITH #3 COPPER WIRE. TIED BOND TO EACH MECHANICAL SYSTEM AND ALL RAIL ANCHORS AND METAL WITHIN 5 FT OF POOL EDGE.
- CRUSHED ROCK BELOW POOL FLOOR TO BE 1/2" CLEAN MINIMUM OF 4" DEPTH.
- ALL STEEL TO BE GRADE 40, #4 BAR AND A MINIMUM OF 12" ON CENTER EACH WALL HORIZONTAL AND VERTICAL. BELOW 6" WATER DEPTH REBAR SHALL BE 6" EACH WALL IN THE WALL.
- REINFORCING STEEL TO BE PLACED A MINIMUM OF 2" BELOW EXPOSED FACE OF CONCRETE.

LOCATION MAP



PROJECT LOCATION

POOL DATA

PERIMETER: 160'-0"
SURFACE AREA: 1500-SQFT
APPROXIMATE VOLUME: 42,200 GALLONS
MINIMUM TURN OVER: 6-HOURS
MINIMUM FLOW RATE: 116-GPM
MAXIMUM FLOW RATE: 60-GPM
MINIMUM DEPTH OF POOL: 1'-0"
MAXIMUM DEPTH OF POOL: 5'-0"

GENERAL AREAS

POOL	1500 SF/
POOL DECK	6225 SF/
COVERED CABANA	360 SF/
LAVATORIES	400 SF/
EQUIPMENT ROOM	240 SF/

POOL CLASSIFICATION, CLASS B PUBLIC POOL
BATHER LOAD (PER 2018 ISPCS TABLE 403.1):

- WATER SURFACE AREA = 1500 SF
- BATHER LOAD 1500/10 = 150 PERSONS

POOL WATER MAINTAINED BY A LICENSED CPO/AFO OPERATOR
- TEST KIT MUST READ CHLORINE TO 10 ppm

SHEET INDEX

P0.0 COVER SHEET
P1.0 POOL PLAN
P2.0 EQUIPMENT SCHEDULE
P2.1 FLOW CALCULATIONS
P3.0 POOL PLUMBING LAYOUT
P3.1 EQUIPMENT ROOM LAYOUT
P4.0 DETAILS
P4.1 DETAILS
P4.2 DETAILS
P4.3 DETAILS
P5.0 SAFETY PLAN
P5.1 SIGN DETAILS

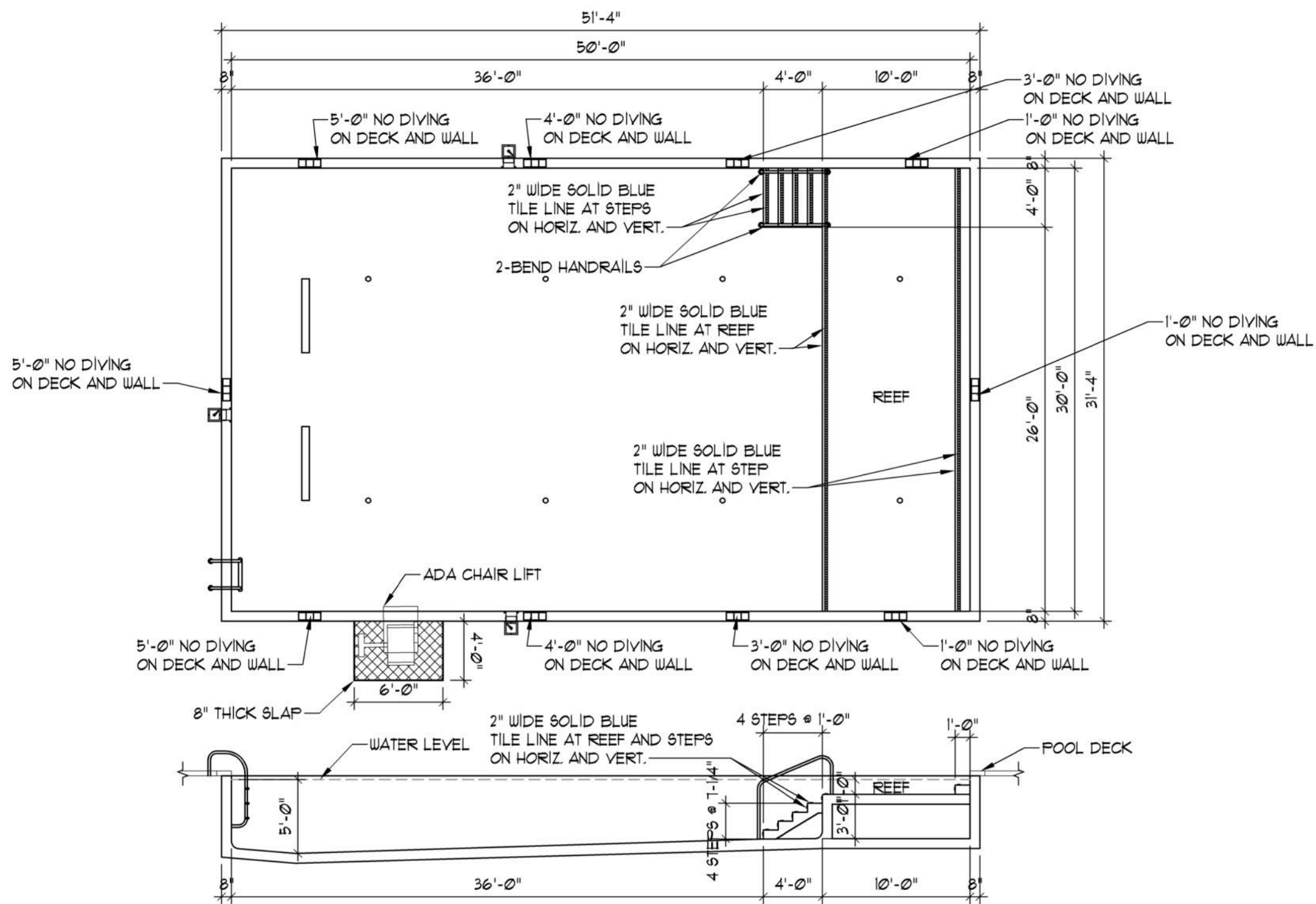
CODE COMPLIANCE

- ANSI POOL AND SPA STANDARD TO PREVENT SUCTION ENTRAPMENT
- VIRGINIA GRAEME BAKER SAFETY ACT
- LEE'S SUMMIT BUILDING CODE
- BONDING SHALL BE PERFORMED IN ACCORDANCE WITH NEC



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SWIMMING POOL FOR:
WHISPERING WOODS
1901 SW. RIVER RUN DR.
LEE'S SUMMIT, MISSOURI



SWIMMING POOL LAYOUT PLAN
SCALE: 1/8"=1'-0"



SITE PLAN FOR:

WHISPERING WOODS

1901 SW. RIVER RUN DR.
LEE'S SUMMIT, MISSOURI

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EQUIPMENT						
EQUIPMENT NAME	MANUFACTURER PART #	WAREHOUSE PART #	QTY.	POWER REQUIREMENTS	HOOP UP RESPONSIBILITY	NOTES
BADU PRO UVS 4 HP PUMP	015583		1	110/230 V	POOL CONTRACTOR-PLUMBING ELECTRICIAN-HIGH VOLTAGE	
TRITON II SAND FILTER	TR 60 CP		1	NA	POOL CONTRACTOR	
FLOVIS FLOW GAUGE	FV-C		1	NA	POOL CONTRACTOR	
SKIMMER	SP1082		3	NA	POOL CONTRACTOR	
PENTAIR MICROBRITE LED WHITE LIGHT			8	15W 12V	POOL CONTRACTOR	
300W TRANSFORMER	PX300		1	300W	POOL CONTRACTOR	
MAIN DRAIN SUCTION FITTING VGB APPROVED	25506-320		1	NA	POOL CONTRACTOR	
STAINLESS STEEL ENTRY LADDER	SR SMITH PLF-245-4C-MG		1	NA	POOL CONTRACTOR	
HANDRAIL	SR SMITH 316 STAINLESS CUSTOM RAILING		2	NA	POOL CONTRACTOR	



EQUIPMENT SCHEDULE FOR:
WHISPERING WOODS
1901 SW. RIVER RUN DR.
LEE'S SUMMIT, MISSOURI

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JOB: [Signature]
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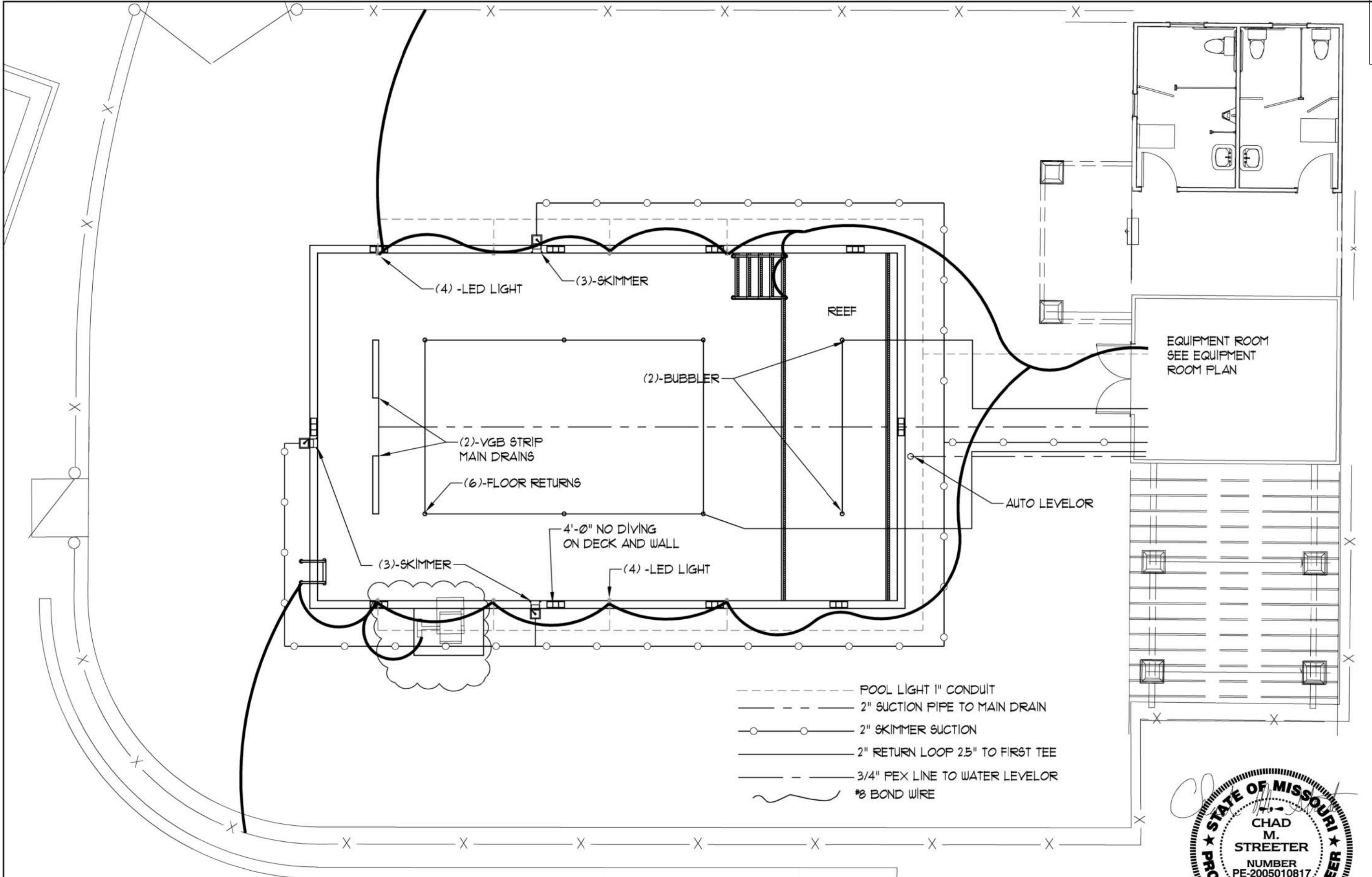
FLOW CALCULATIONS		
PUMP (S)	1	PENTAIR LINTELLIFLOW
POOL CAPACITY GALLONS	42,200	
REQUIRED TURN OVER (6 HOURS OR 4 TIMES PER DAY)	4	
REQUIRED GALLONS PER 24 HOURS	168,800	
REQUIRED GALLONS PER HOUR	7030	
REQUIRED GALLONS PER MINUTE	117	
REQUIRED PER PUMP	60	
FILTER (S)	2	
FILTER SQ. FT. (EACH)	520	
FILTER RATE PER GALLON	13	
FILTER RATE AT MAX. PUMP (SQ. FT. PER GALLON)	8.66	
MAX. PUMP FLOW GPM	120	FROM PUMP CHART
MAX. PUMP VELOCITY SUCTION ALLOWED	6 FPS	
MAX. VELOCITY AT MAX. PUMP FLOW FEET PER SECOND (SUCTION)	5.74	
MAX. VELOCITY RETURN REQUIRED	8 FPS	
MAX. VELOCITY AT MAX. (RETURN)	5.74	
MINIMUM PIPE SIZE SUCTION	3"	
MINIMUM PIPE SIZE RETURN	2.5"	
MINIMUM PIPE SIZE SUCTION (AFTER FIRST TEE ON SUCTION)	2"	
MINIMUM PIPE SIZE RETURN (AFTER FIRST TEE ON RETURN)	2"	
MAX. FLOW REQUIREMENTS FOR MAIN DRAIN SPECIFIED	60	
FLOOR GALLONS PER MINUTE	309	
WALL GALLONS PER MINUTE	212	



FLOW CALCULATIONS FOR:
WHISPERING WOODS
1901 SW. RIVER RUN DR.
LEE'S SUMMIT, MISSOURI

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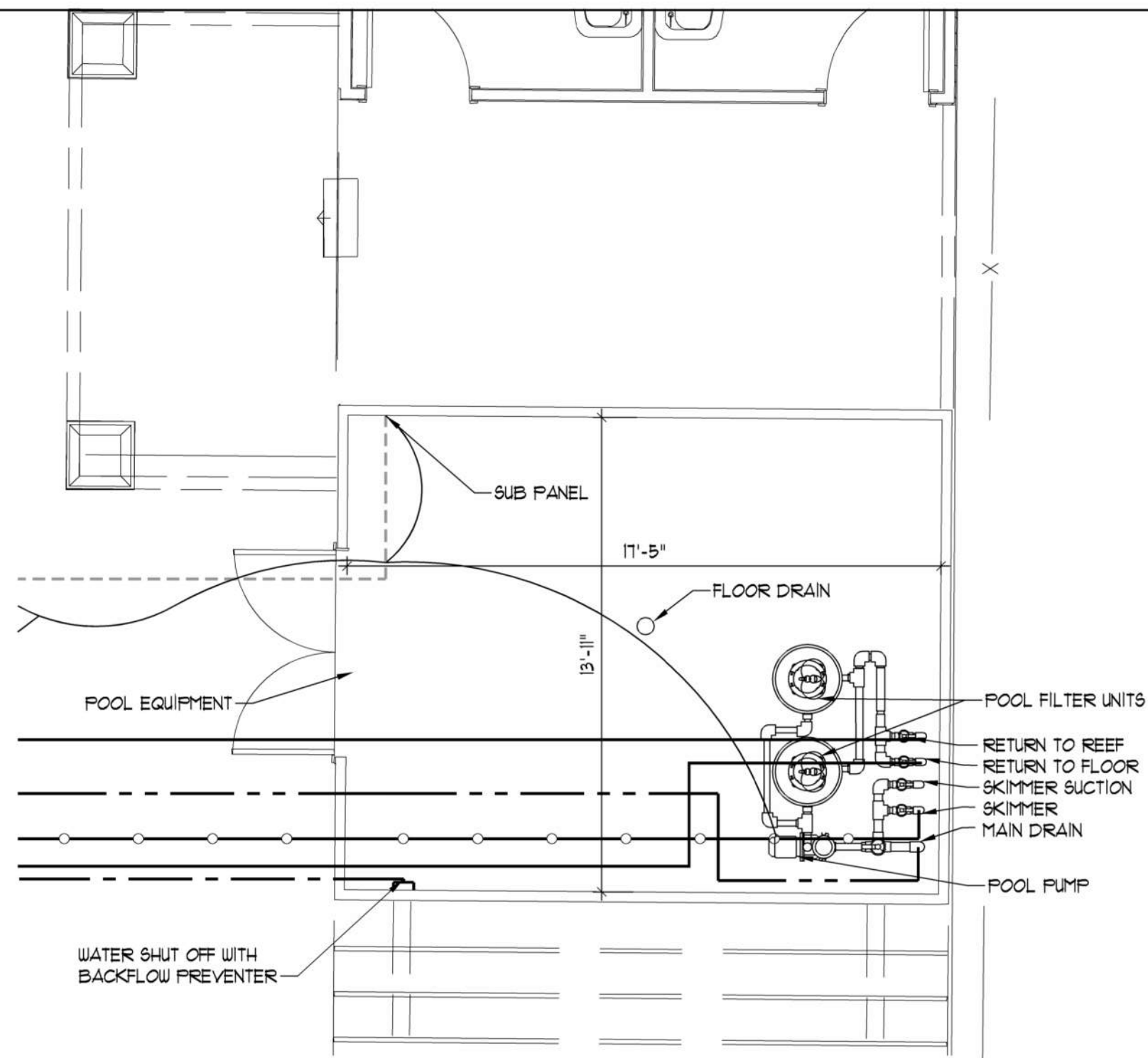
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SWIMMING POOL PLUMBING PLAN
SCALE: 1/8"=1'-0"



POOL PLUMBING PLAN FOR:
WHISPERING WOODS
1901 SW. RIVER RUN DR.
LEE'S SUMMIT, MISSOURI



- 3/4" PEX LINE TO WATER LEVELOR
- POOL LIGHT 1" CONDUIT
- 2" SUCTION PIPE TO MAIN DRAIN
- 2" SKIMMER SUCTION
- 2" RETURN LOOP 2.5" TO FIRST TEE
- #8 BOND WIRE

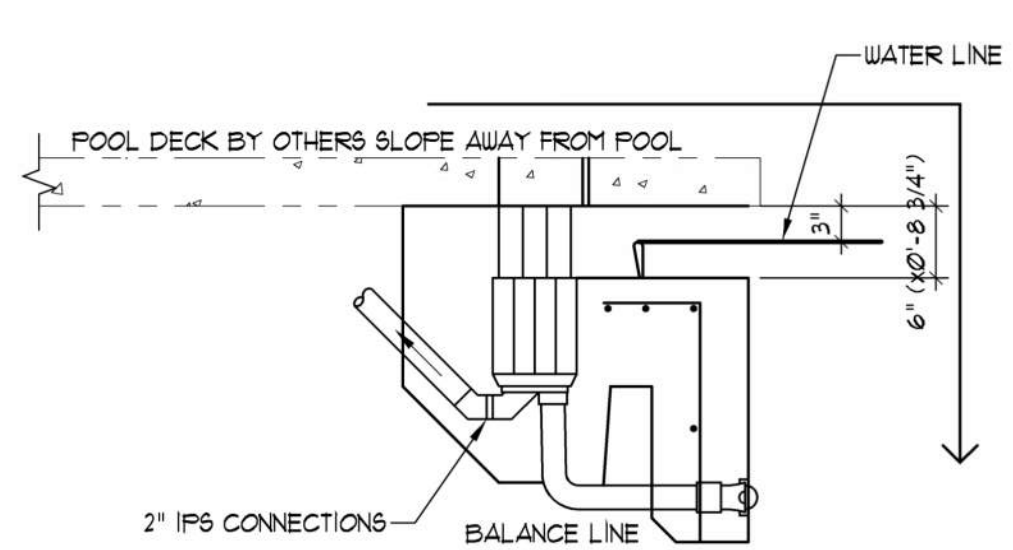
SWIMMING POOL EQUIPMENT LAYOUT PLAN
SCALE: 1/4"=1'-0"



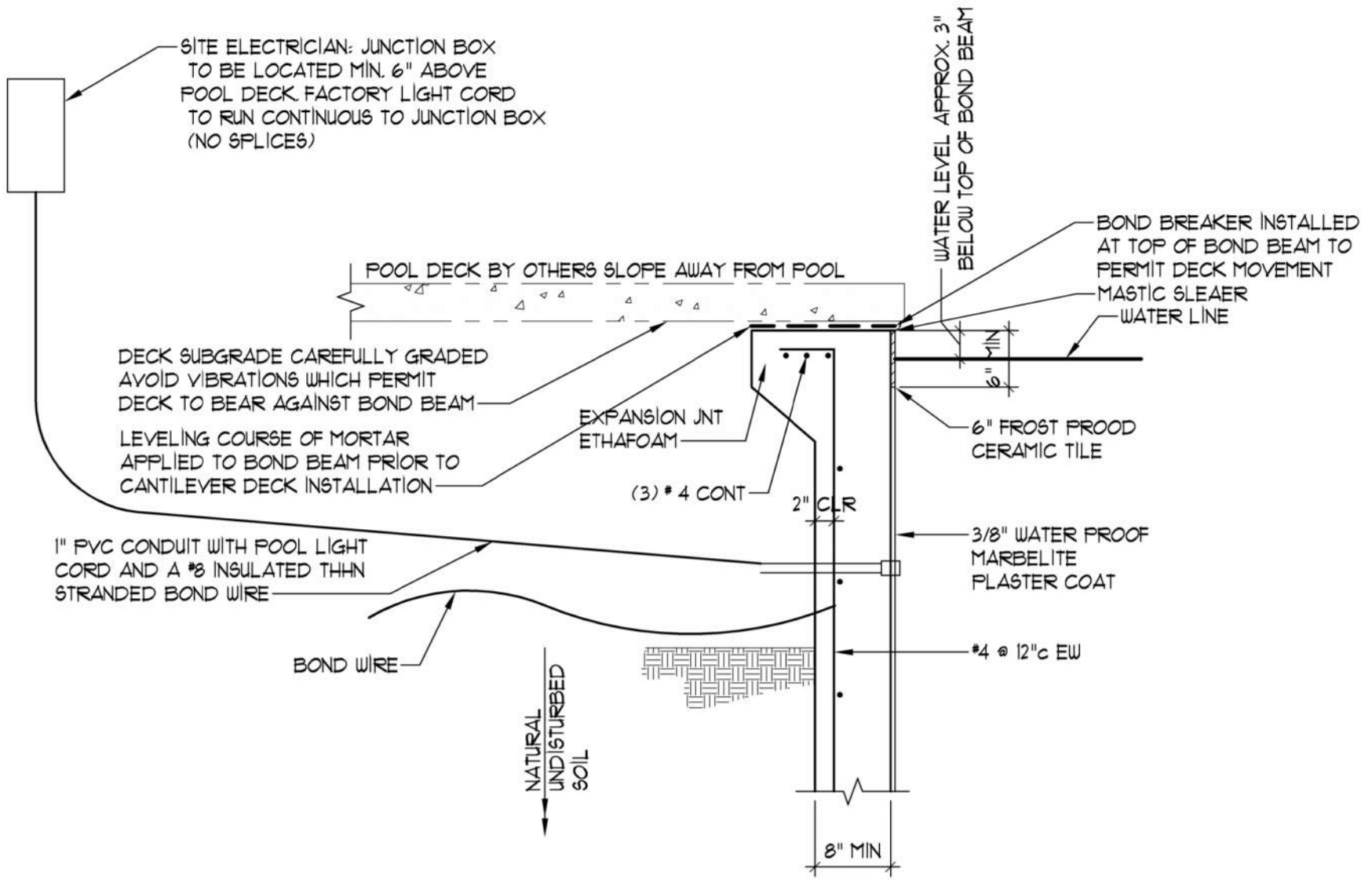
EQUIPMENT ROOM LAYOUT FOR:
WHISPERING WOODS
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LEE'S SUMMIT, MISSOURI

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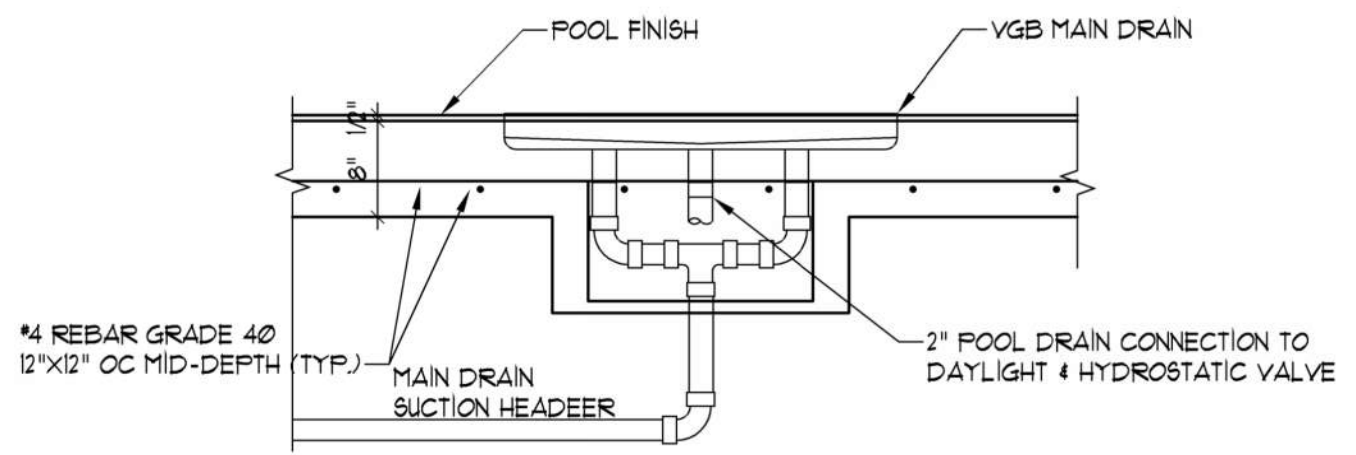
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JOB: P3
SHEET: 3



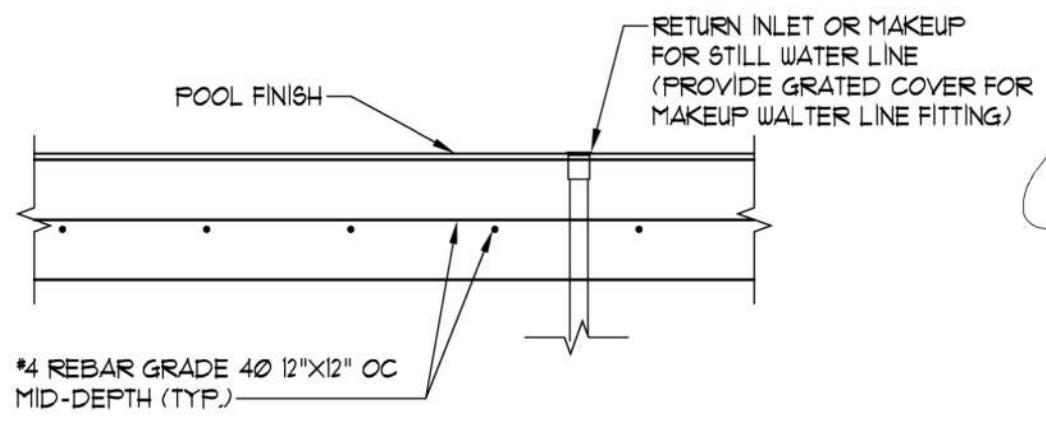
POOL TYPICAL SKIMMER SECTION
SCALE: 3/4"=1'-0"



POOL TYPICAL WALL SECTION
SCALE: 3/4"=1'-0"



POOL MAIN DRAIN SECTION
SCALE: 3/4"=1'-0"



POOL FLOOR RETURN INLET SECTION
SCALE: 3/4"=1'-0"



DETAILS FOR:
WHISPERING WOODS
1901 SW. RIVER RUN DR.
LEE'S SUMMIT, MISSOURI

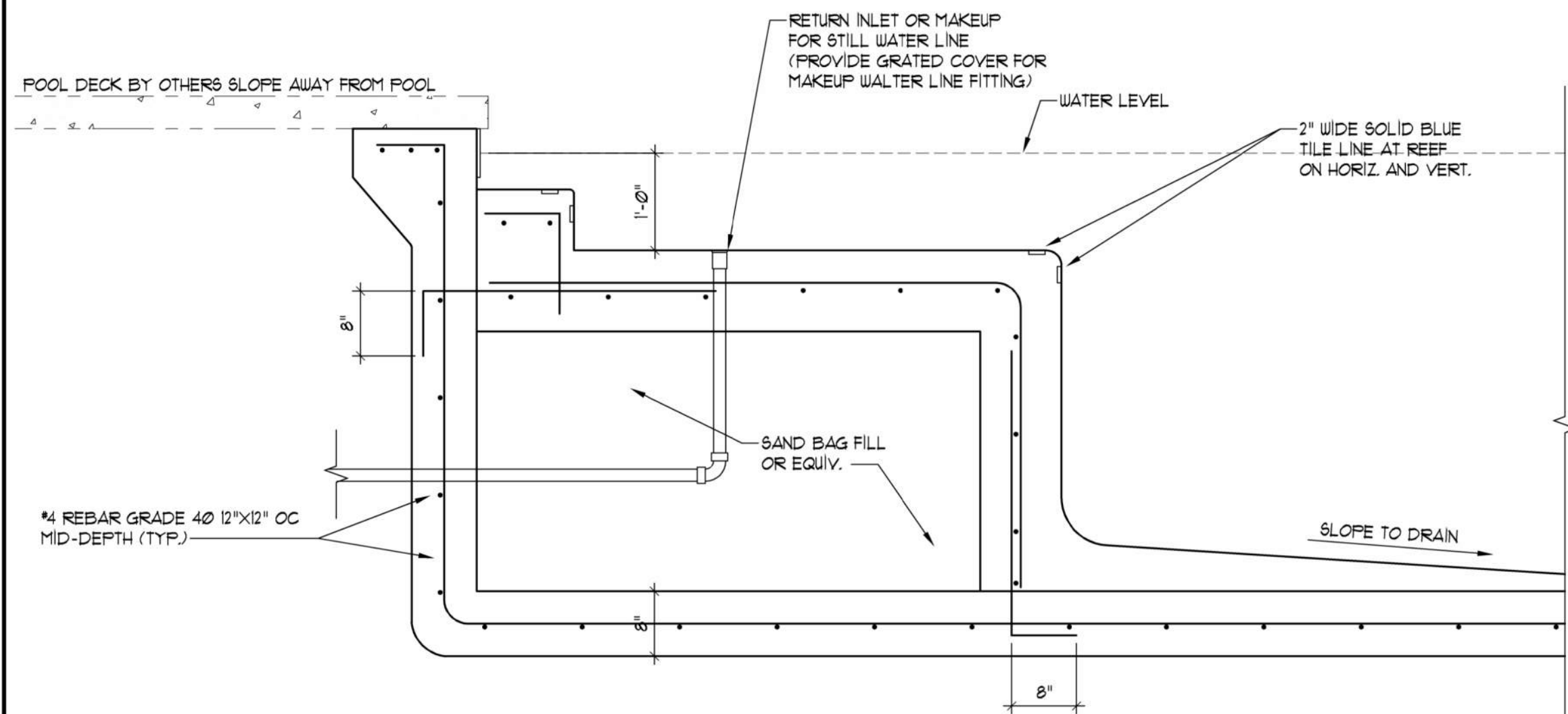
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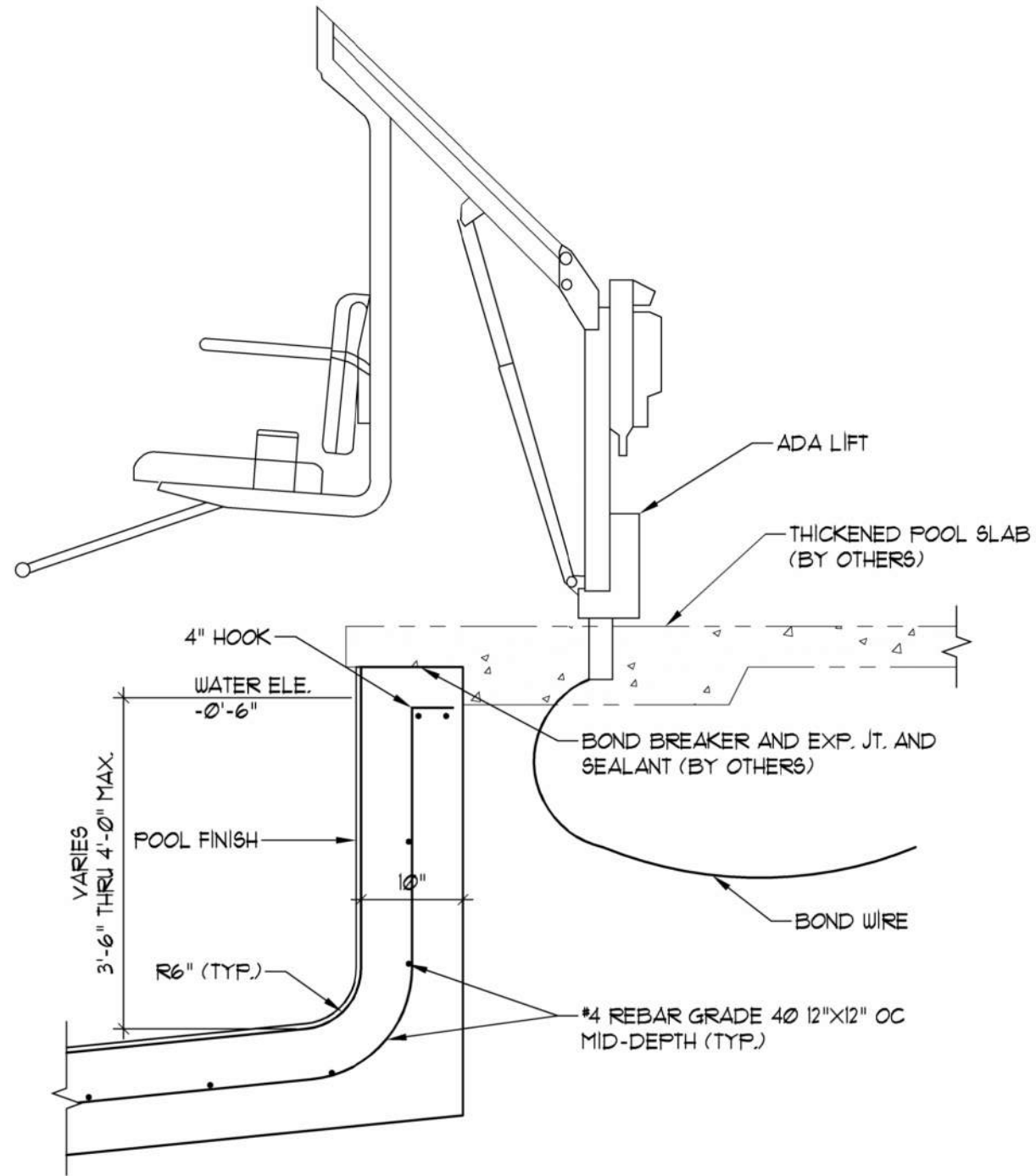
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JOB: SHEET N
SHEET N 4
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POOL REEF SECTION
SCALE: 3/4" = 1'-0"



DETAILS FOR:
WHISPERING WOODS
1901 SW. RIVER RUN DR.
LEE'S SUMMIT, MISSOURI



POOL ADA LIFT SECTION
 SCALE: 3/4"=1'-0"

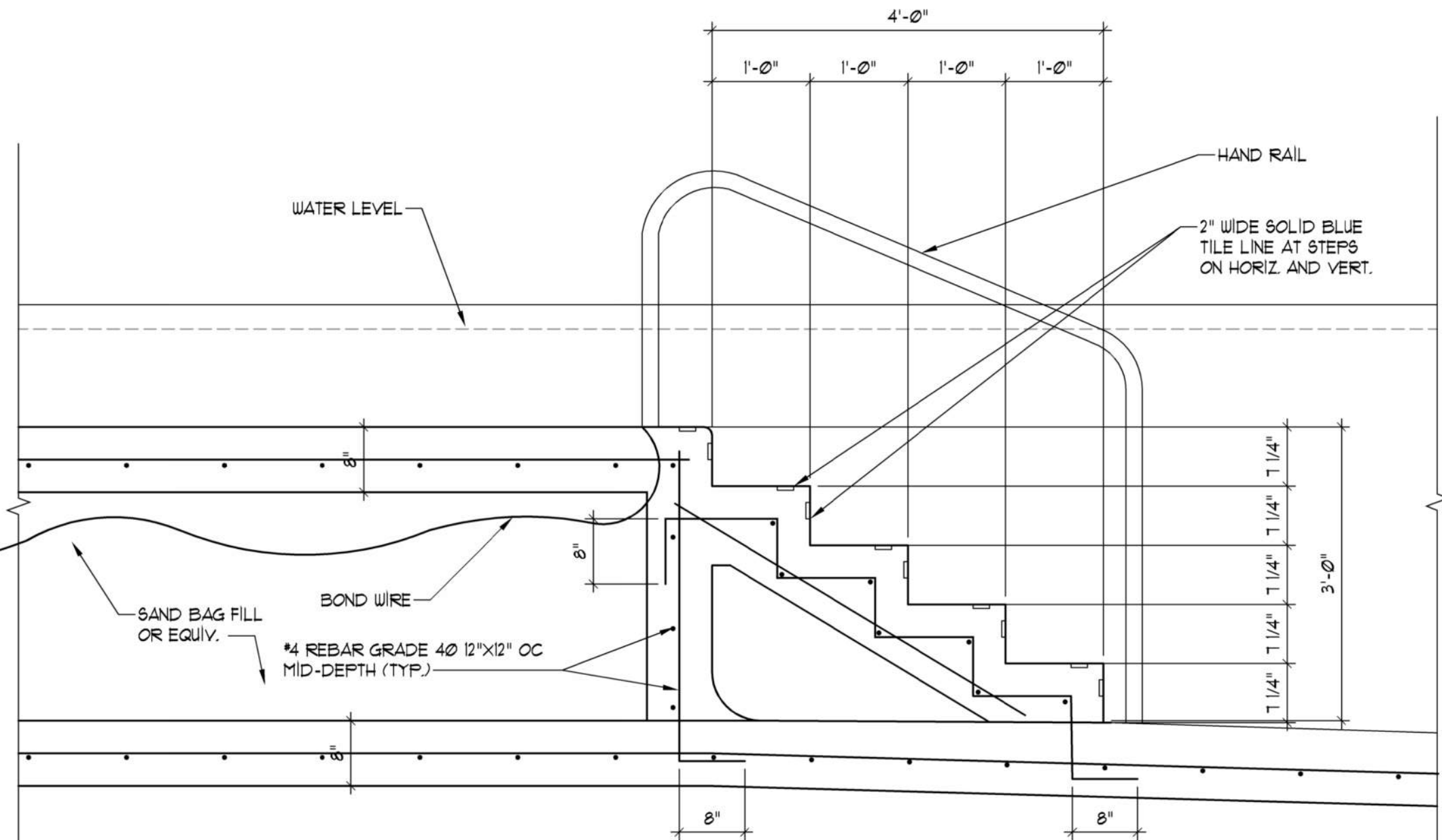


DETAILS FOR:
WHISPERING WOODS
 1901 SW. RIVER RUN DR.
 LEE'S SUMMIT, MISSOURI

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POOL STEP SECTION
SCALE: 3/4"=1'-0"



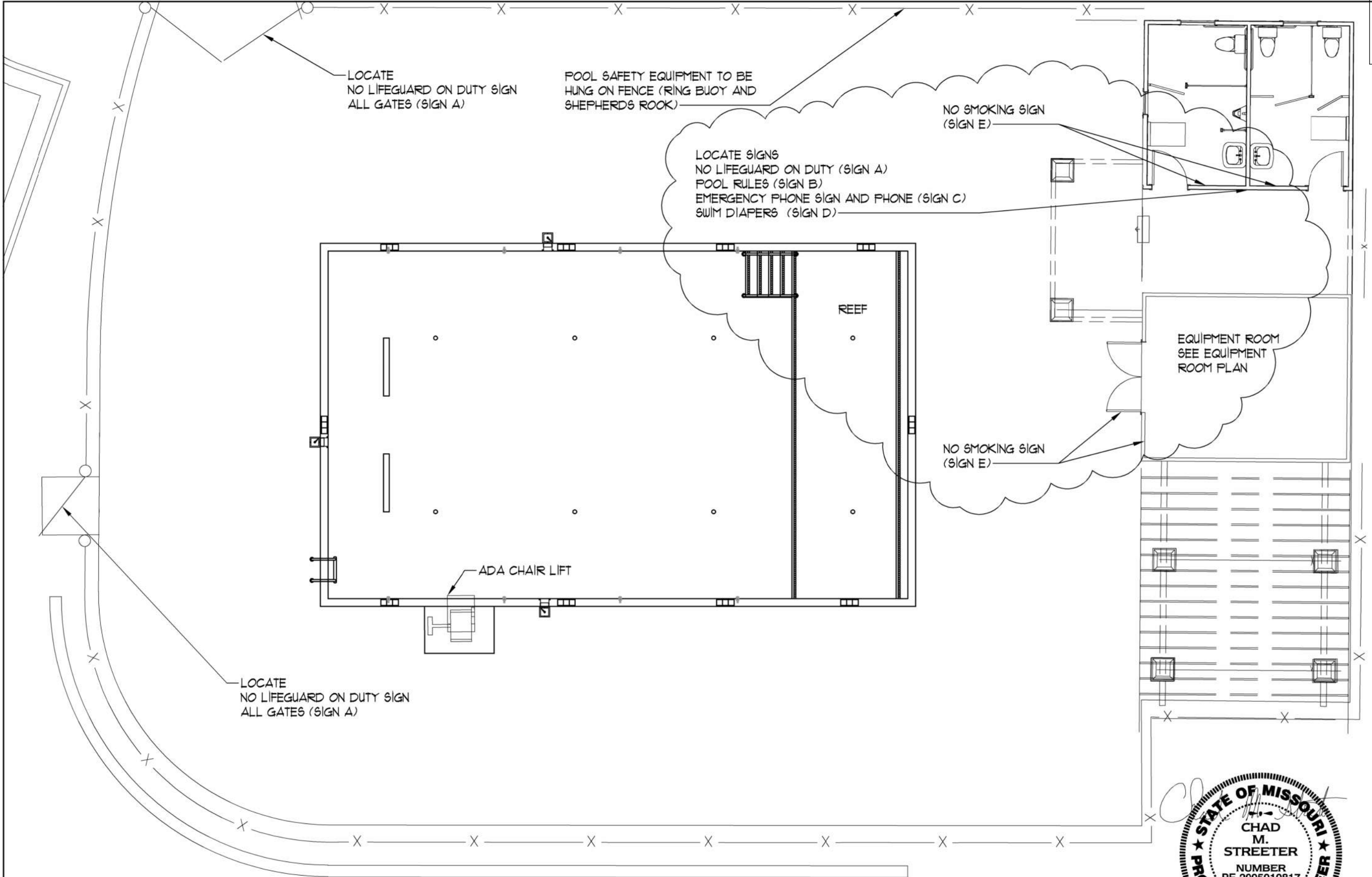
DETAILS FOR:
WHISPERING WOODS
1901 SW. RIVER RUN DR.
LEE'S SUMMIT, MISSOURI

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BY: MJS
JOB: P50
SHEET NO.



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SWIMMING POOL SAFETY EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"



SAFETY PLAN FOR:
WHISPERING WOODS
1901 SW. RIVER RUN DR.
LEE'S SUMMIT, MISSOURI

DATE: 05/03/2023
BY: MJ
JOB: 1901 SW RIVER RUN DR
SHEET NO. 25

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2'-0"

2'-8"

WARNING

NO LIFEGUARD ON DUTY

CHILDREN UNDER THE AGE OF 14 SHALL NOT USE POOL WITHOUT A PARENT OR ADULT GUARDIAN IN ATTENDANCE

SIGN A

2'-0"

2'-8"

POOL RULES

- No glass, sharp objects or hazardous materials allowed.
- No animals other than service animals allowed.
- Shower and rinse thoroughly before entering the pool.
- No food or drink allowed within five feet (5') of the pool.
- Children must be accompanied by an adult.
- Bathers with open wounds, skin conditions, or any communicable condition not allowed.
- No solo bathing.
- Bathers shall wear bathing attire.
- No spitting, spouting or blowing nose.
- No running or rough play allowed.
- Maximum bather load: _____ persons.
- Hours of operation: _____ to _____.

SIGN B

18"

12"

EMERGENCY DIAL 911

POOL PHONE NUMBER

PHYSICAL ADDRESS OF POOL

1901 SW, RIVER RUN DR

SIGN C

18"

12"

NOTICE

SWIM DIAPERS ARE REQUIRED FOR ALL CHILDREN WHO ARE NOT TOILET TRAINED

SIGN D

9" MIN

6" MIN

NO SMOKING

SIGN E

STATE OF MISSOURI

CHAD M. STREETER

NUMBER PE-2005010817

PROFESSIONAL ENGINEER

4/12/2023

SAFETY PLAN FOR:
WHISPERING WOODS
1901 SW, RIVER RUN DR.
LEE'S SUMMIT, MISSOURI