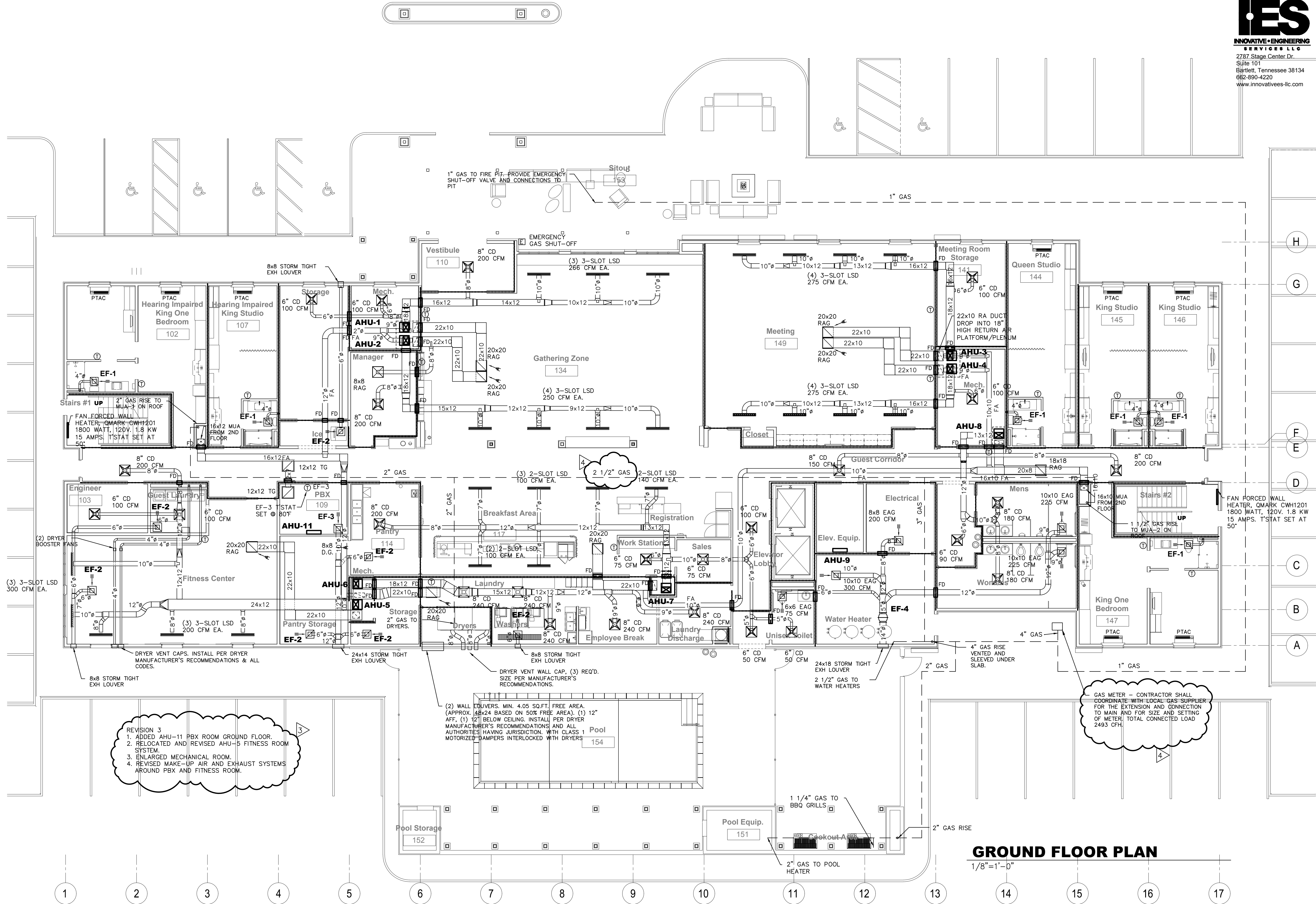




GROUND FLOOR PLAN

1/8"=1'-0"



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KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road Vicksburg, MS 39180

Drawing Title
First Floor Plan

Phase
Construction Documents

Project No.	17-051	Sheet No.	M101
Prepared by	RHP		
Checked by	RJH		
Date	MAR. 28, 2019		

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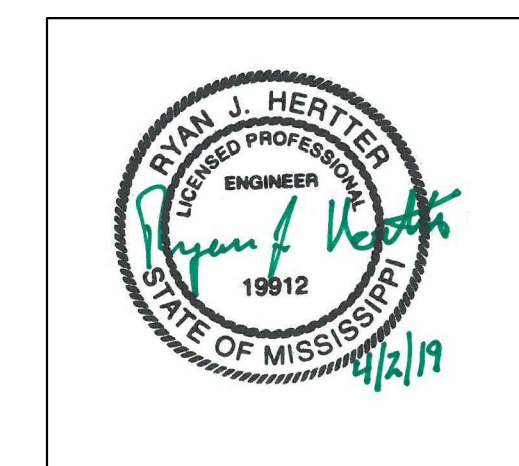
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KEY PLAN

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Vicksburg

Berryman Road
Vicksburg, MS 39180

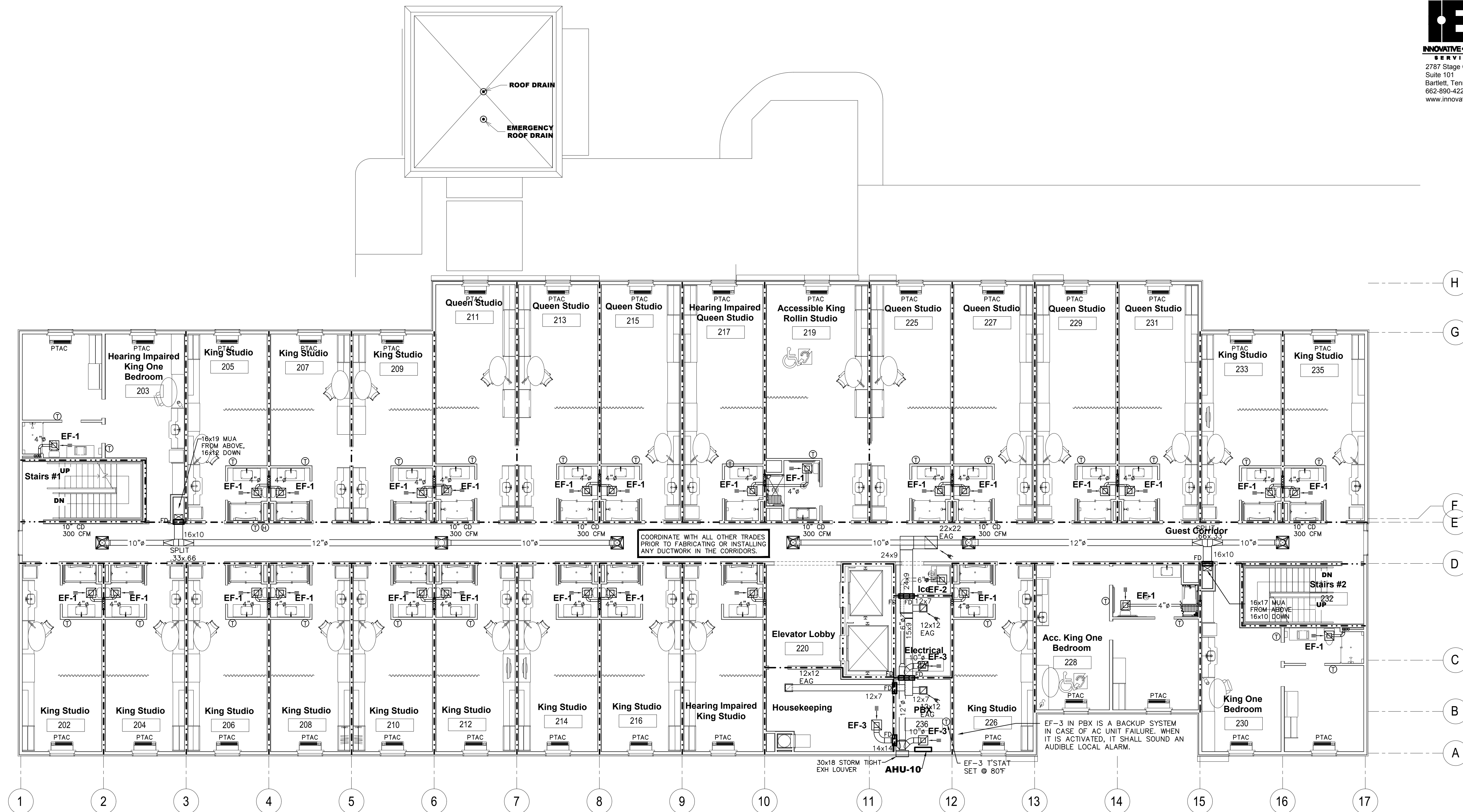
Drawing Title

Second Floor Plan

Phase
Construction Documents

Project No.	17-051	Sheet No. M102
Prepared by	RHP	
Checked by	RJH	
Date	MAR. 28, 2019	

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SECOND FLOOR PLAN

$$\overline{1/8'' = 1' - 0''}$$



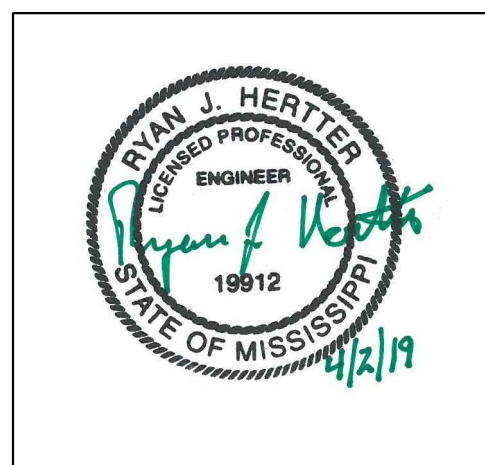
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Vicksburg

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Vicksburg, MS 39180

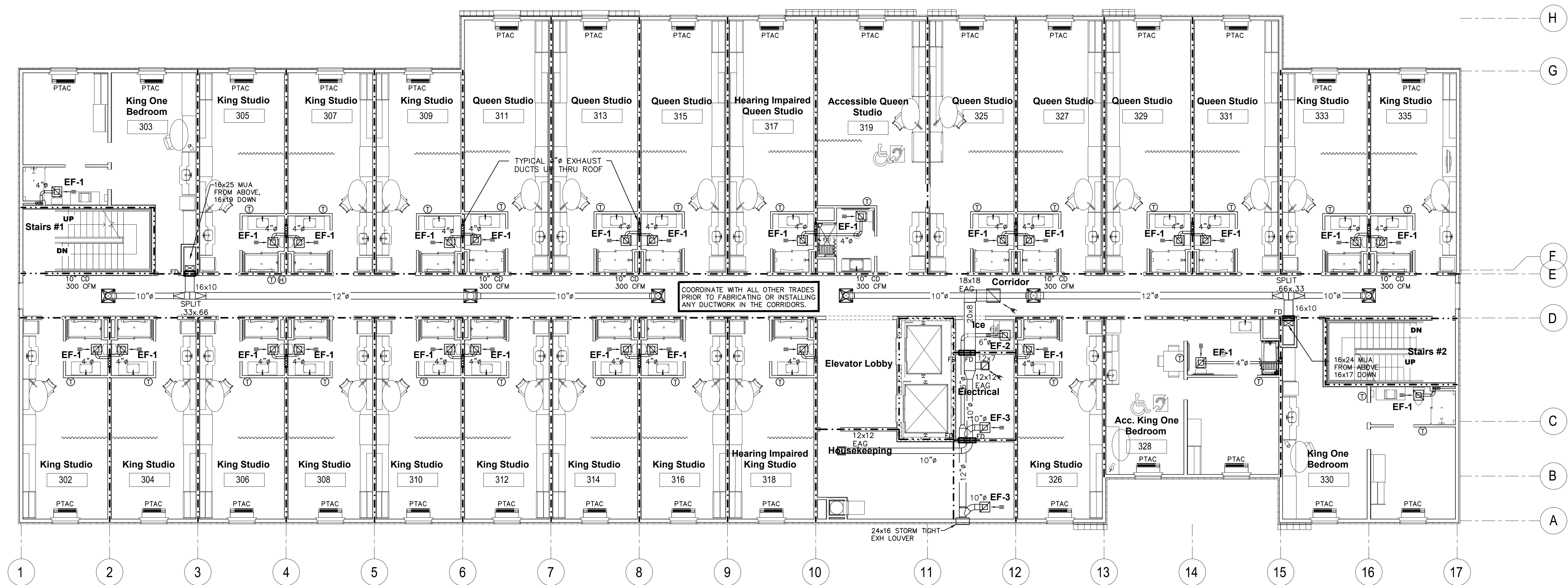
Drawing Title

Third Floor Plan

Phase
Construction Documentss

Project No.	17-051	Sheet No.
Prepared by	RHP	
Checked by	RJH	
Date	MAR. 28, 2019	
		M103

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$$\overline{1/8'' = 1' - 0''}$$



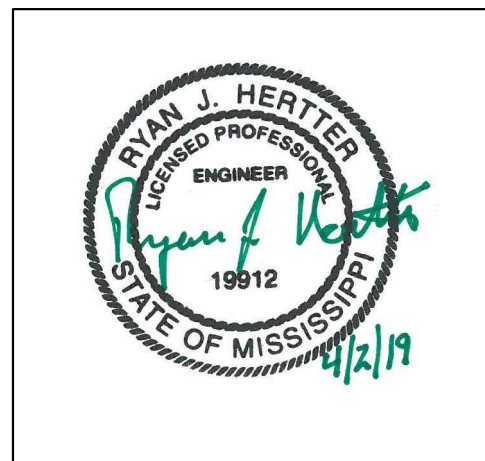
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LLC

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Vicksburg

Berryman Road
Vicksburg, MS 39180

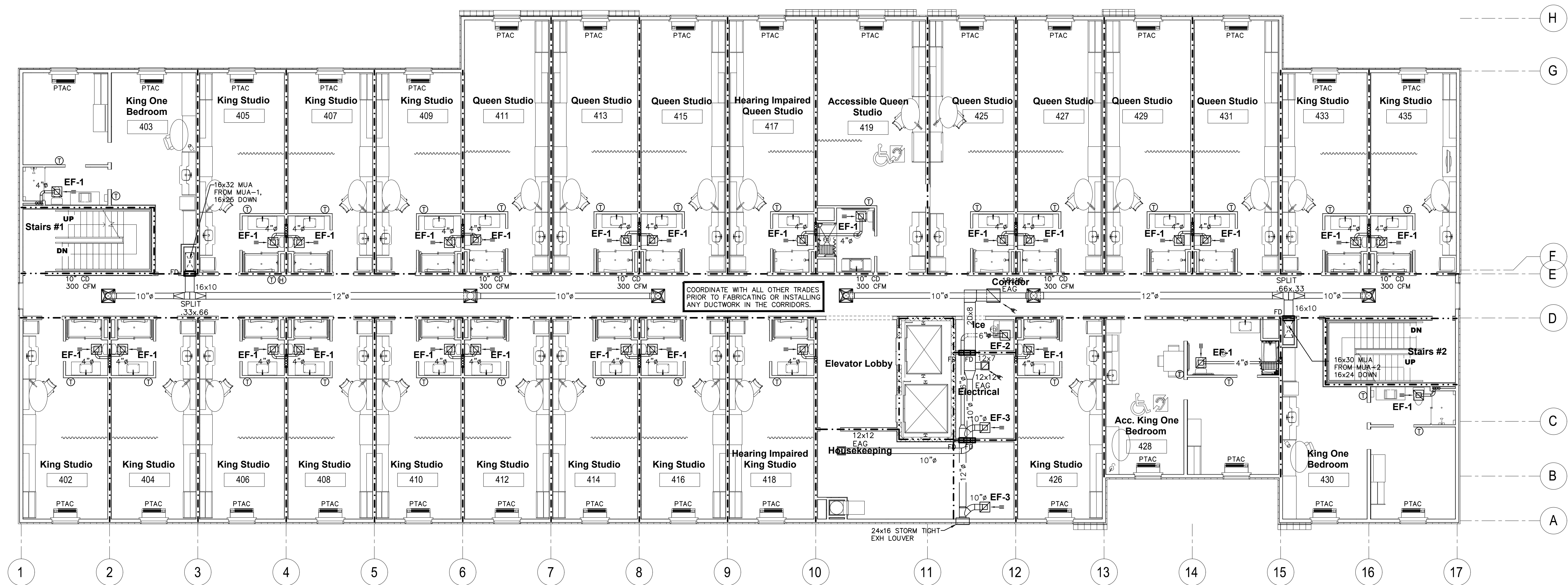
Drawing Title

Fourth Floor Plan

Phase
Construction Documentss

Project No.	17-051	Sheet No.	M104
Prepared by	RHP		
Checked by	RJH		
Date	MAR. 28, 2019		

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FOURTH FLOOR PLAN

$$1/8'' = 1' - 0''$$



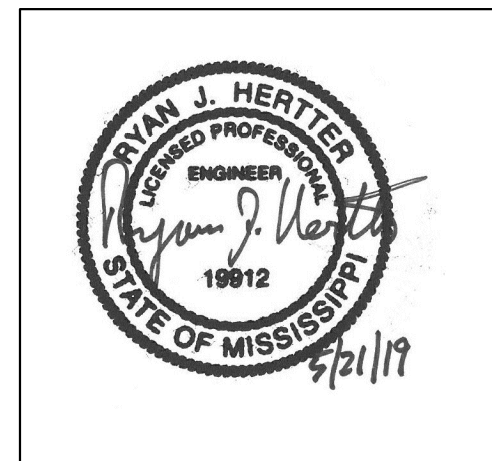
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KEY PLAN

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Vicksburg

Berryman Road
Vicksburg, MS 39180

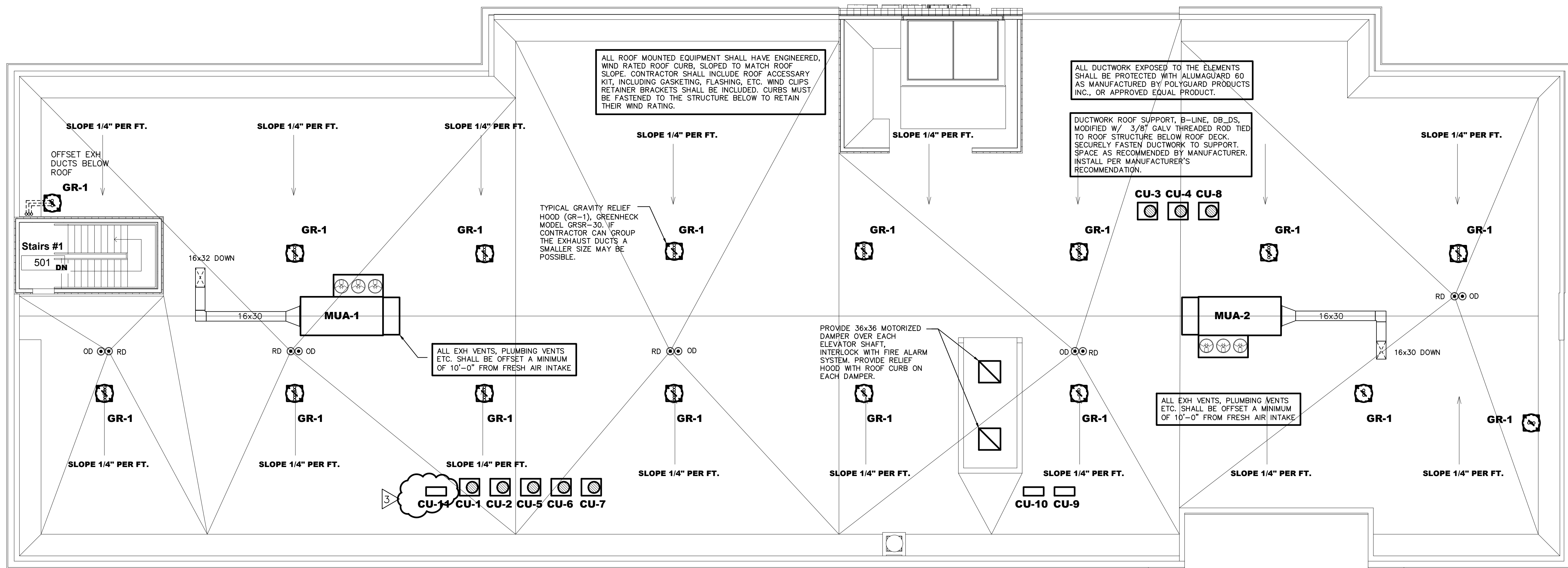
Drawing Title

Roof Plan

Phase
Construction Documentss

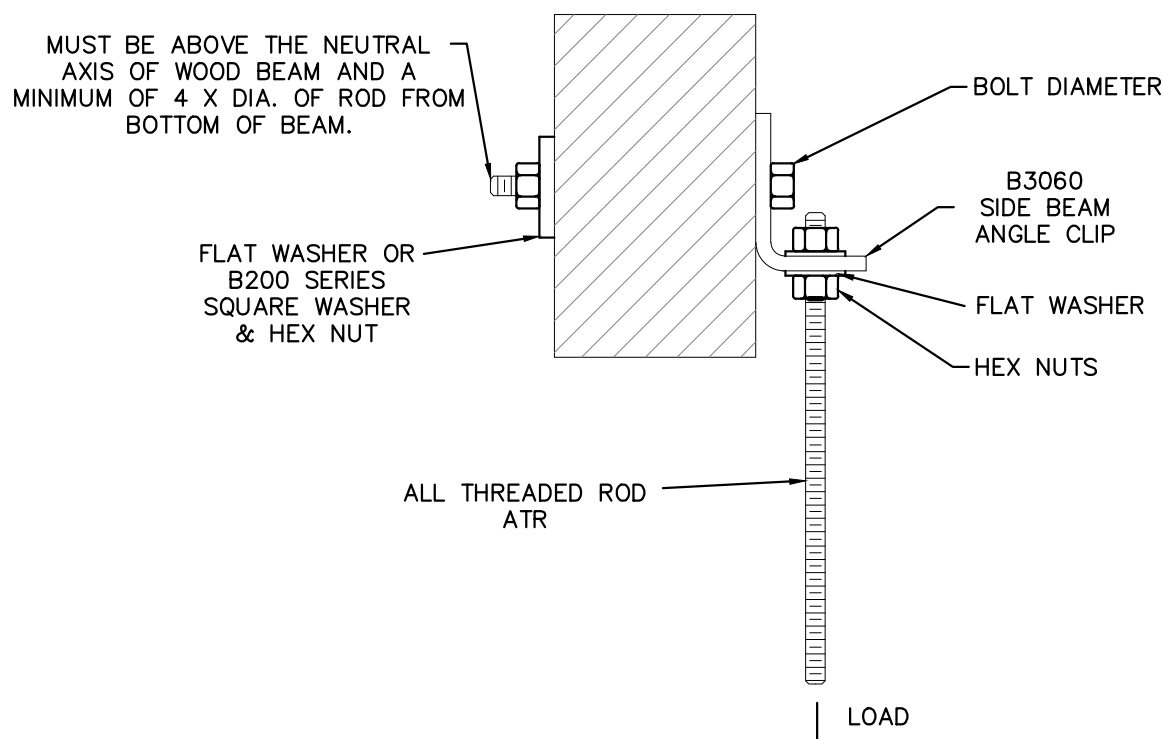
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Prepared by	RHP	
Checked by	RJH	
Date	MAR. 28, 2019	

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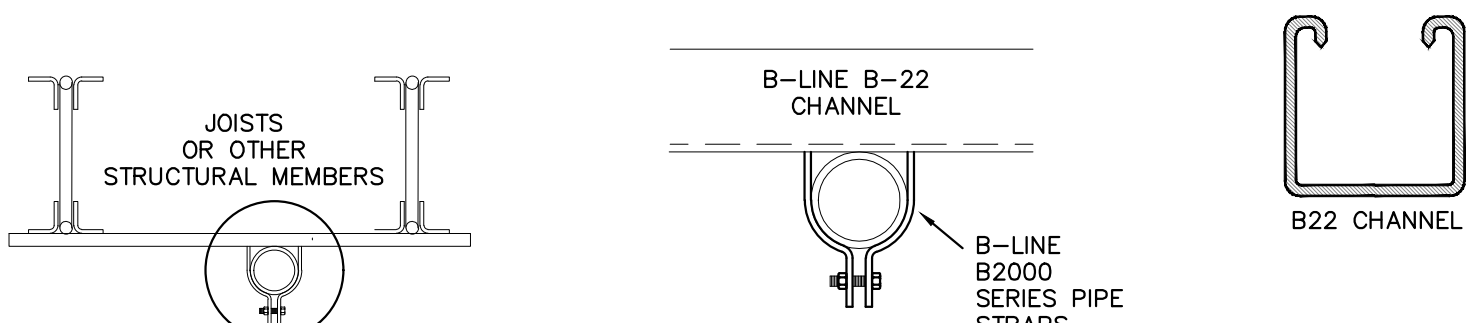


ROOF PLAN

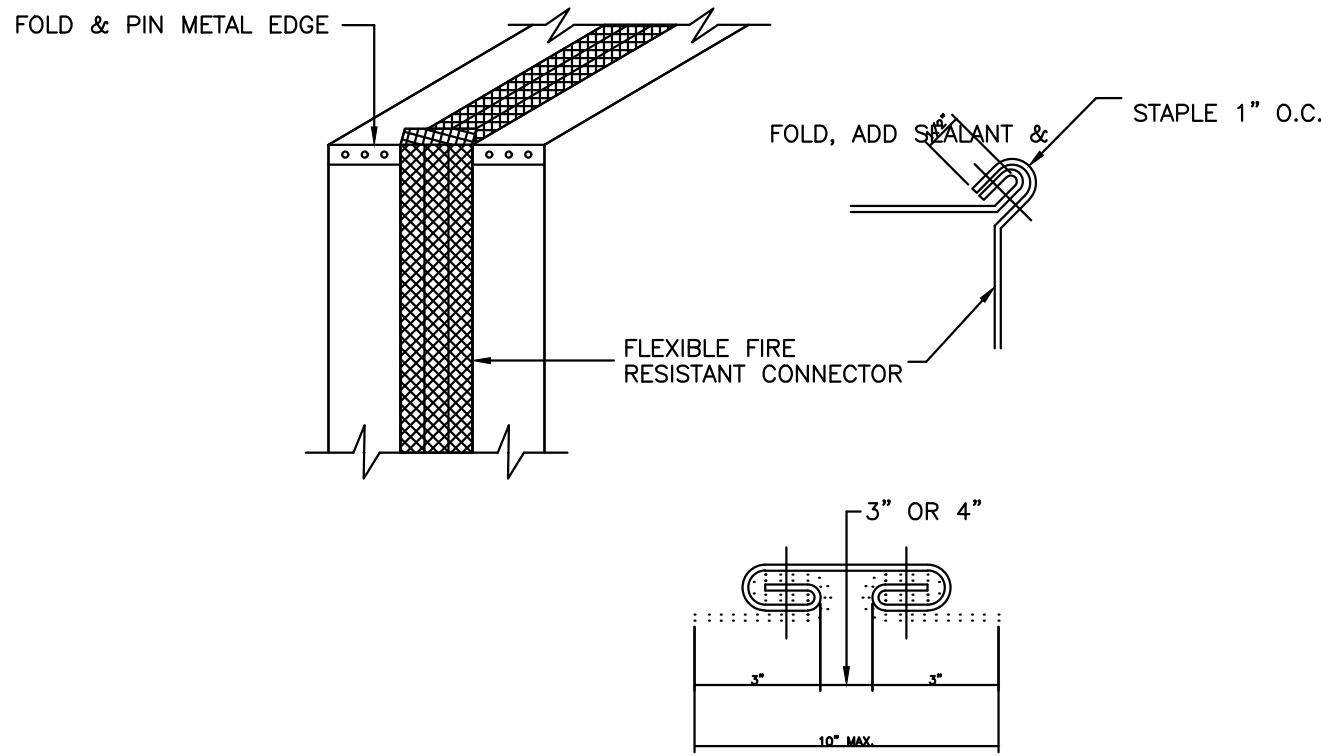
$$\overline{1/8'' = 1' - 0''}$$



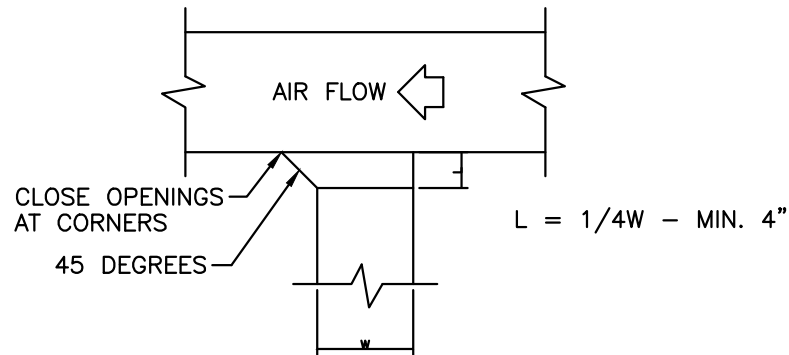
WOOD ATTACHMENTS
NO SCALE



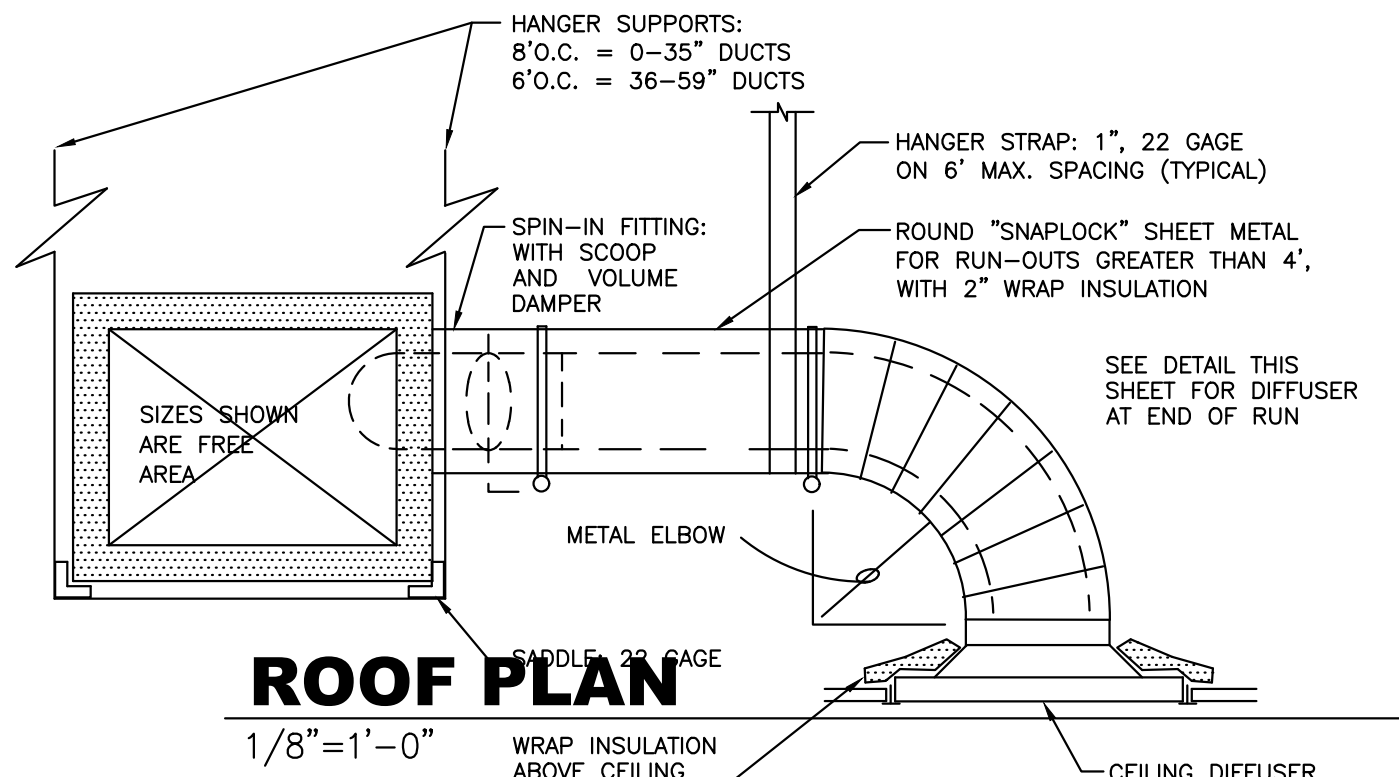
SEISMIC GAS PIPE SUPPORT DETAILS
NO SCALE



FLEXIBLE CONNECTION DETAIL
NO SCALE

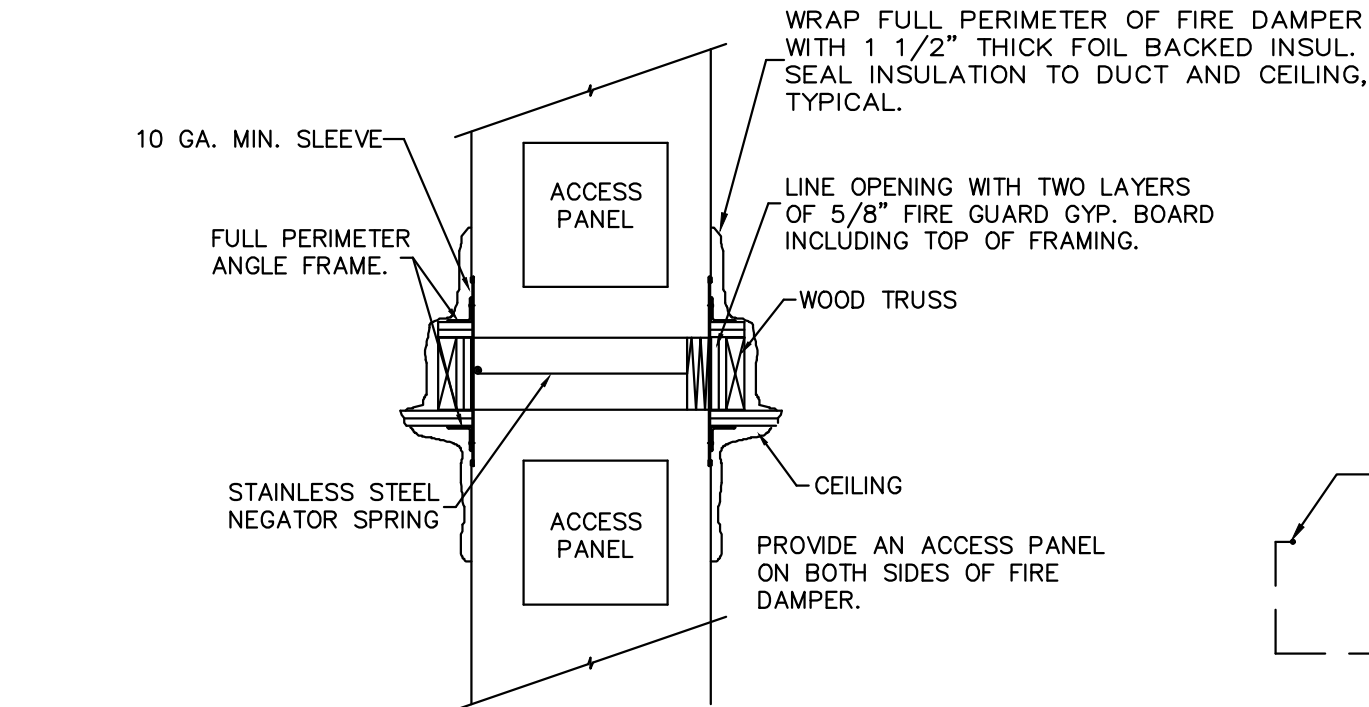


RETURN OR EXHAUST DUCT TAP DETAILS
NO SCALE

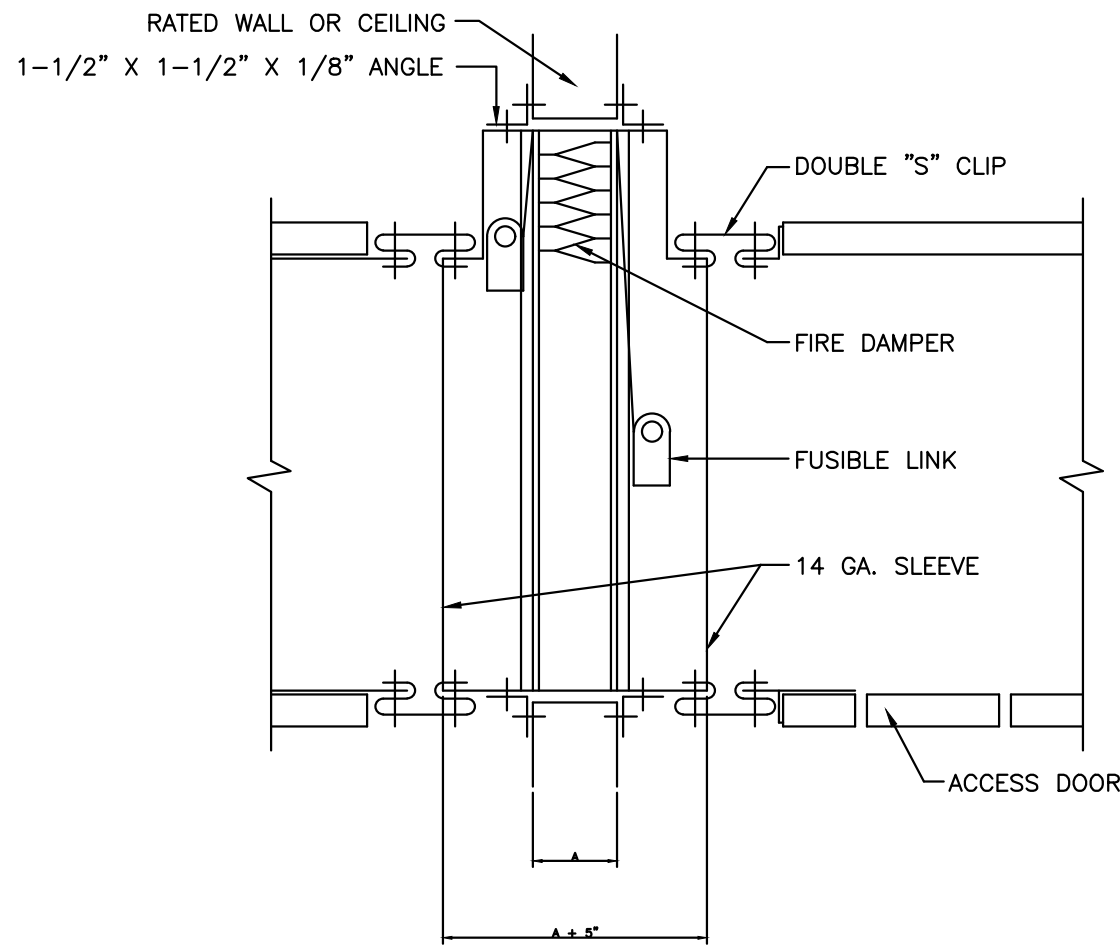


ROOF PLAN
1/8"=1'-0"
DUCT DETAIL
NO SCALE

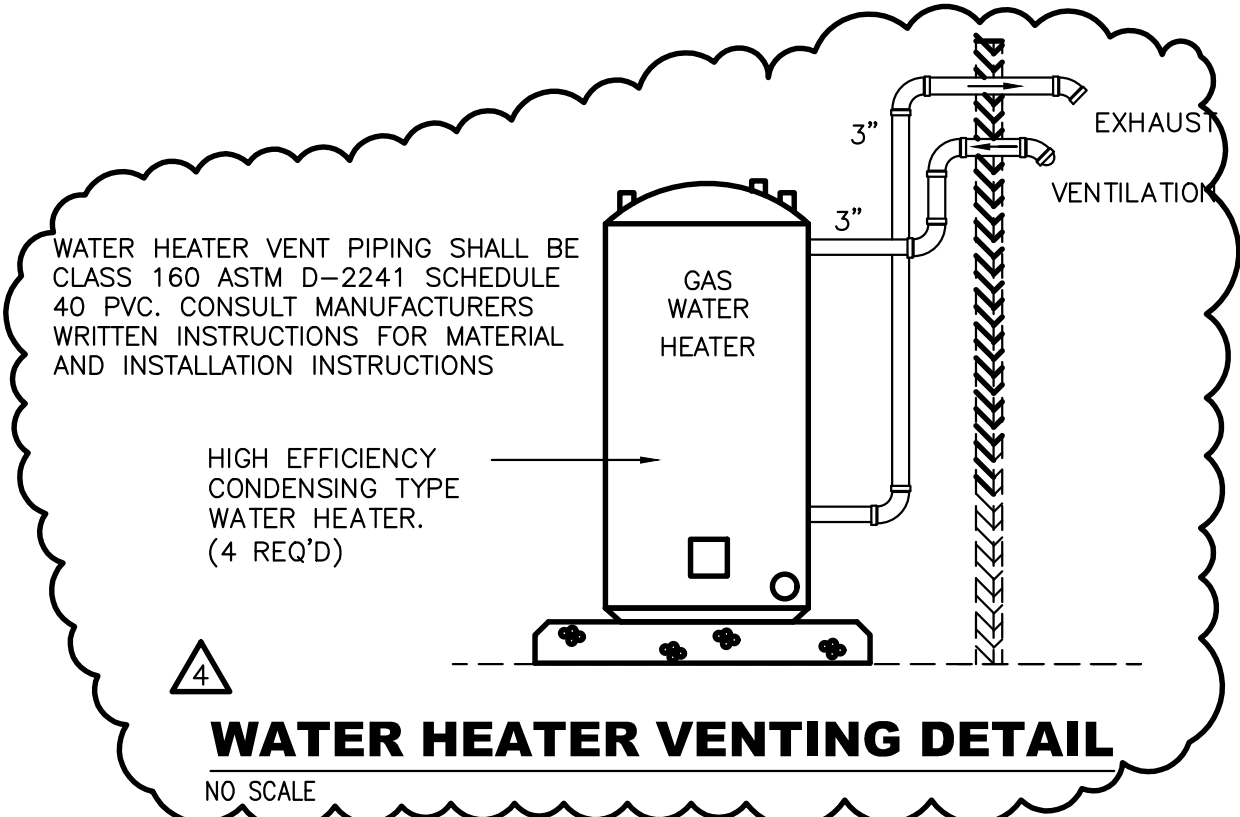
- NOTES:
- HANGER SUPPORTS SHALL BE AS NOTED ABOVE FOR DUCTS UP TO 24", AND WITH TRAPEZE HANGERS FOR DUCTS 25" AND ABOVE.
 - ELBOWS SHALL BE SQUARE NECK (SAME IN AND OUT DIMENSION) WITH 2" DOUBLE THICKNESS TURNING VANES.
 - OFFSETS SHALL NOT EXCEED 30 DEGREE ANGLE, AND SHALL NOT REDUCE THE FREE AREA OF THE DUCT.
 - TRANSITIONS SHALL NOT EXCEED 1:3 RATIO (4" TRANSITION PER FOOT SINGLE SIDED TRANSITION, AND 8" PER FOOT DOUBLE SIDED TRANSITION).
 - RECTANGULAR BRANCH CONNECTIONS SHALL BE 45 DEGREE ENTRY TYPE, WITH METAL SLEEVE AND CLINCH LOCK CONNECTION. ENTRY LENGTH SHALL BE 25% OF BRANCH DUCT WIDTH.
 - ROUND BRANCH DUCT CONNECTIONS SHALL BE WITH "FLEXMASTER" FLDE SPIN-IN FITTINGS, WITH SCOOP, DAMPER AND HANDLE. WHERE ROUND BRANCH DIA. EQUALS VERTICAL DIM. OF DUCT USE FLEXMASTER STO OR STOCK FITTING.
 - FLEXIBLE ROUND DUCT SHALL INCLUDE: HELIX COIL FLEXIBLE DUCTING, A 1-1/2" BLANKET INSULATION WITH MINIMUM 6.0 R VALUE, AND A ALUMINUM FOIL OUTER VAPOR BARRIER, AND BE UL-181 APPROVED, 25 OR LESS FLAME SPREAD AND 50 OR LESS SMOKE DEVELOPED. EQUAL TO "FLEXMASTER" TYPE 3M.



HORIZONTAL FIRE DAMPER DETAIL



FIRE DAMPER DETAIL
NO SCALE

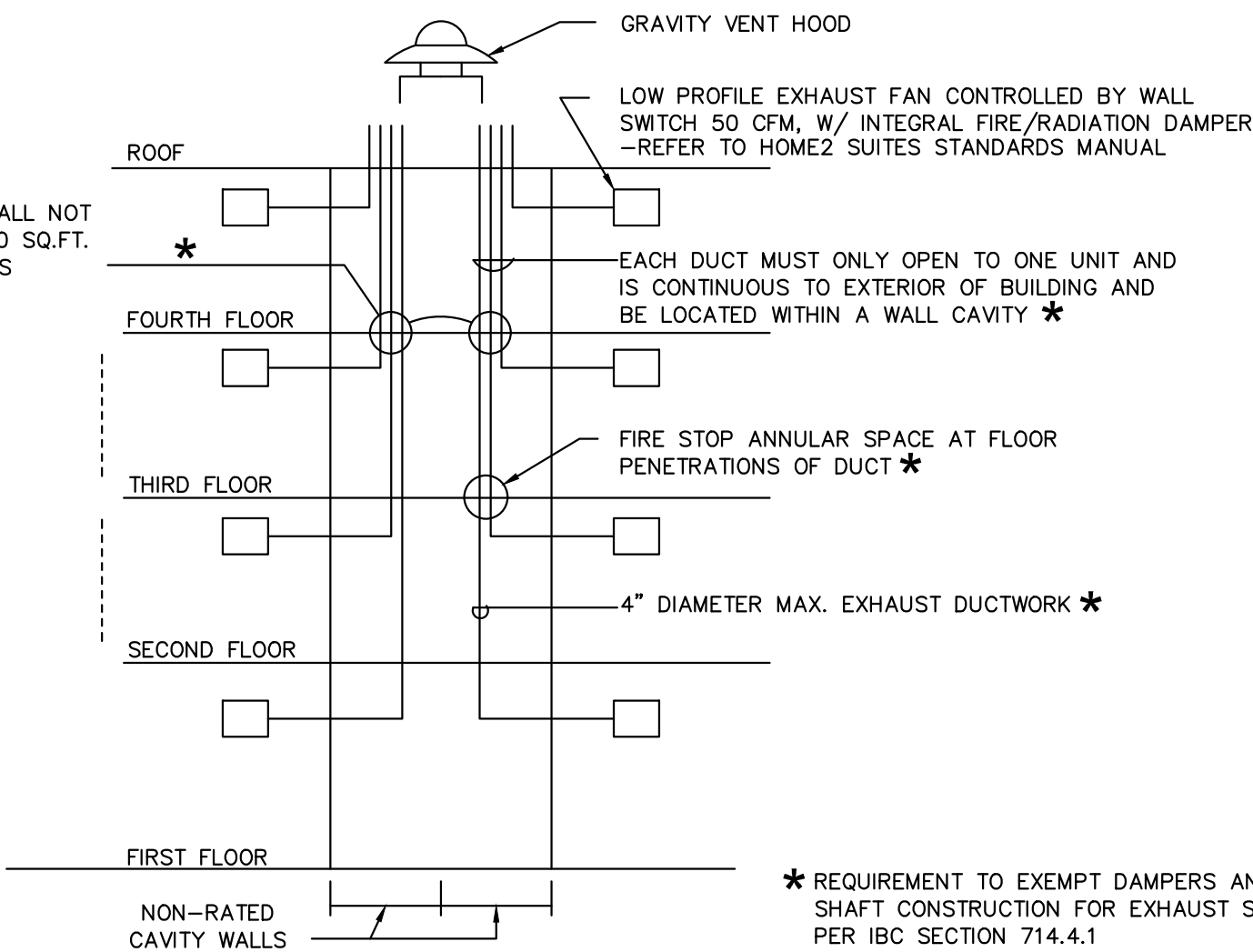


WATER HEATER VENTING DETAIL
NO SCALE

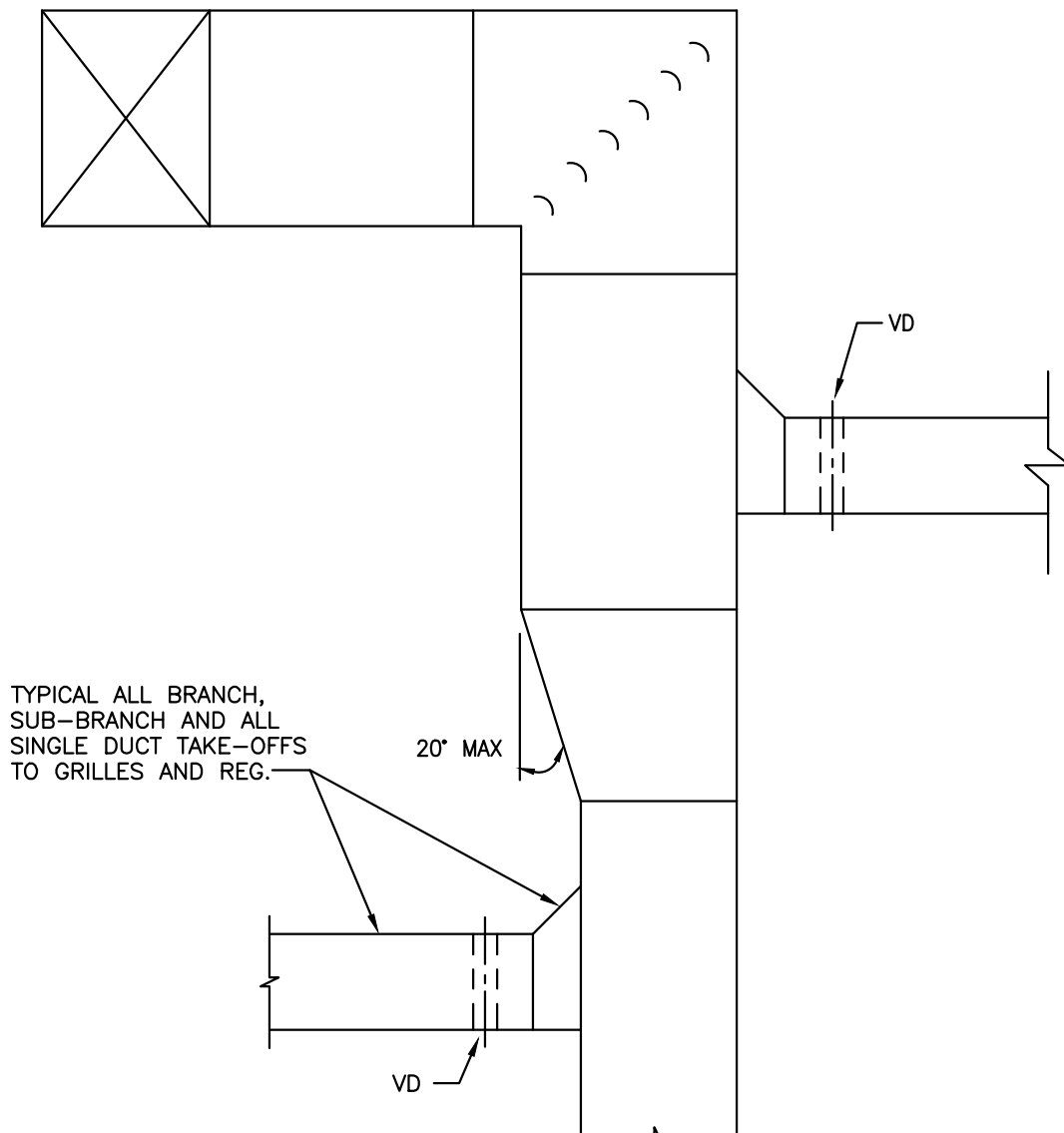
GAS PIPING SCHEMATIC
1/16" = 1'-0"

TOTAL PENETRATIONS SHALL NOT EXCEED 100 SQ.IN. IN 100 SQ.FT. (6) 4" DIA. PENETRATIONS

MAXIMUM OF 3 FLOORS PENETRATED W/O SHAFT OR DAMPERS *



TYPICAL ROOM EXHAUST DUCT RISER DETAIL
NO SCALE



TYPICAL DUCT
NO SCALE

IES
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EMAIL:ashish@mishraarch.com
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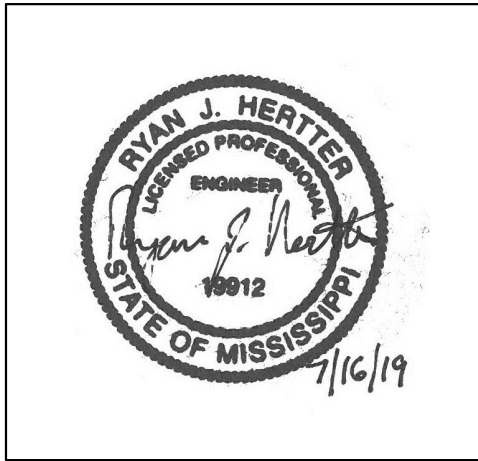
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4	7/01/19	CITY PLAN REVIEW

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KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road Vicksburg, MS 39180

Drawing Title

Roof Plan

Phase Construction Documentss

Project No. 17-051
Prepared by RHP
Checked by RJH
Date MAR. 28, 2019

Sheet No. M200

Released for

ALL ROOF MOUNTED EQUIPMENT SHALL HAVE ENGINEERED, WIND RATED ROOF CURB, SLOPED TO MATCH ROOF SLOPE. CONTRACTOR SHALL INCLUDE ROOF ACCESSORY KIT, INCLUDING GASKETING, FLASHING, ETC. WIND CLIPS RETAINER BRACKETS SHALL BE INCLUDED. CURBS MUST BE FASTENED TO THE STRUCTURE BELOW TO RETAIN THEIR WIND RATING.

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CONTRACTOR SHALL VERIFY CEILING TYPES AND FURNISH FRAME STYLES ACCORDINGLY.

- * 75% OF TOTAL TAKEN FOR DIVERSITY. GUEST ROOMS HAVE INDIVIDUAL EXH FANS

75% OF TOTAL TAKEN FOR DIVERSITY. GUEST ROOMS HAVE INDIVIDUAL EXH FANS

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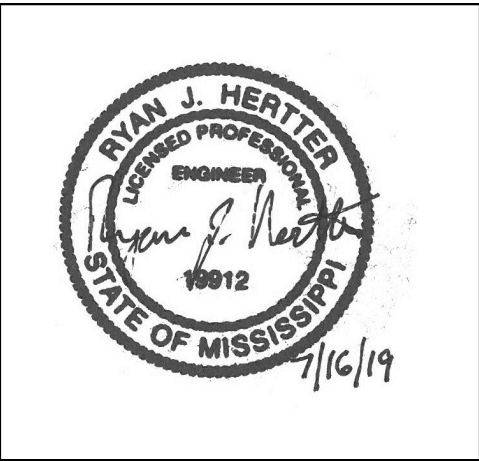
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KEY PLAN

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Home2Suites Vicksburg

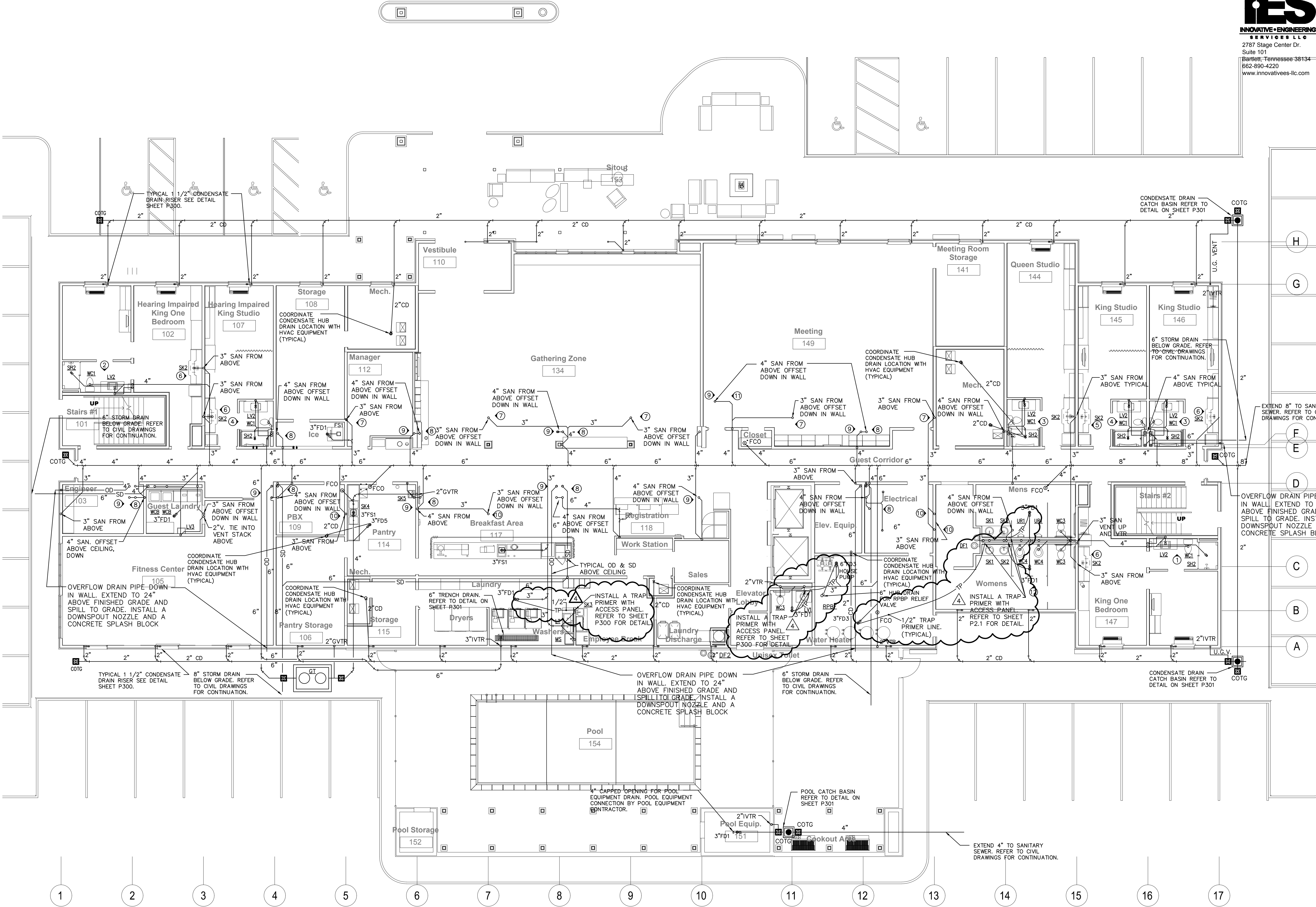
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Drawing Title
First Floor Plan

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Construction Documents

Project No.	17-051	Sheet No.	P101
Prepared by	RHP		
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Date	MAR. 28, 2019		

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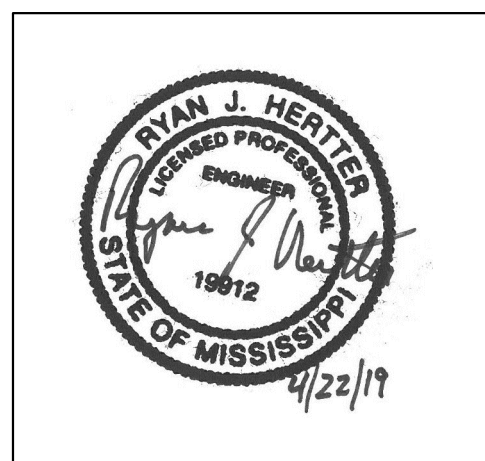
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KEY PLAN

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LLC

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Vicksburg

Berryman Road
Vicksburg, MS 39180

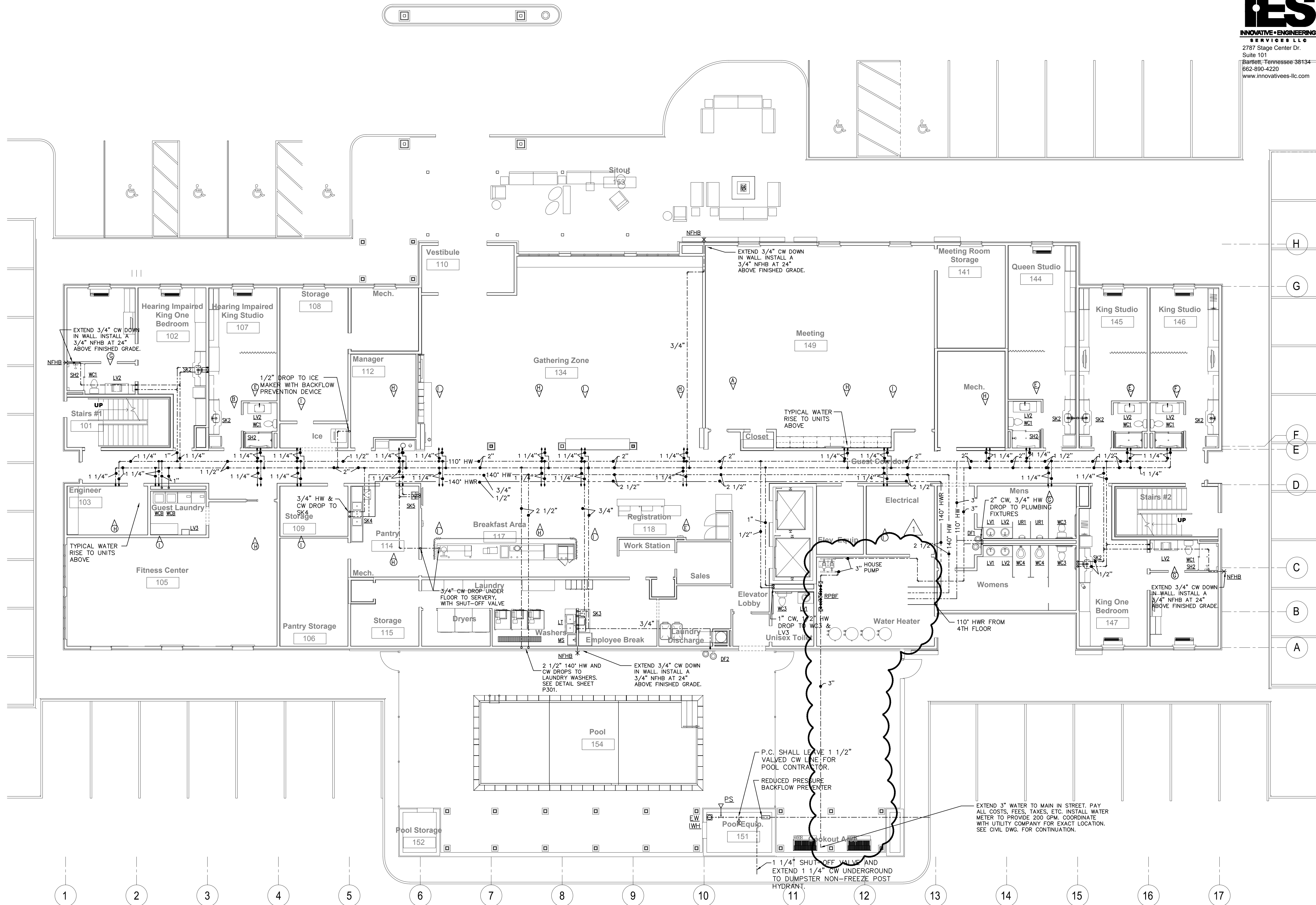
Drawing Title

First Floor Plan

Phase
Construction Documentss

Project No.	17-051	Sheet No. P101A
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14/2019 7:45:21 AM



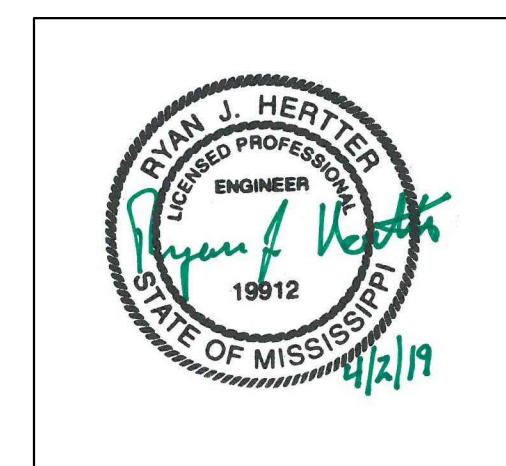
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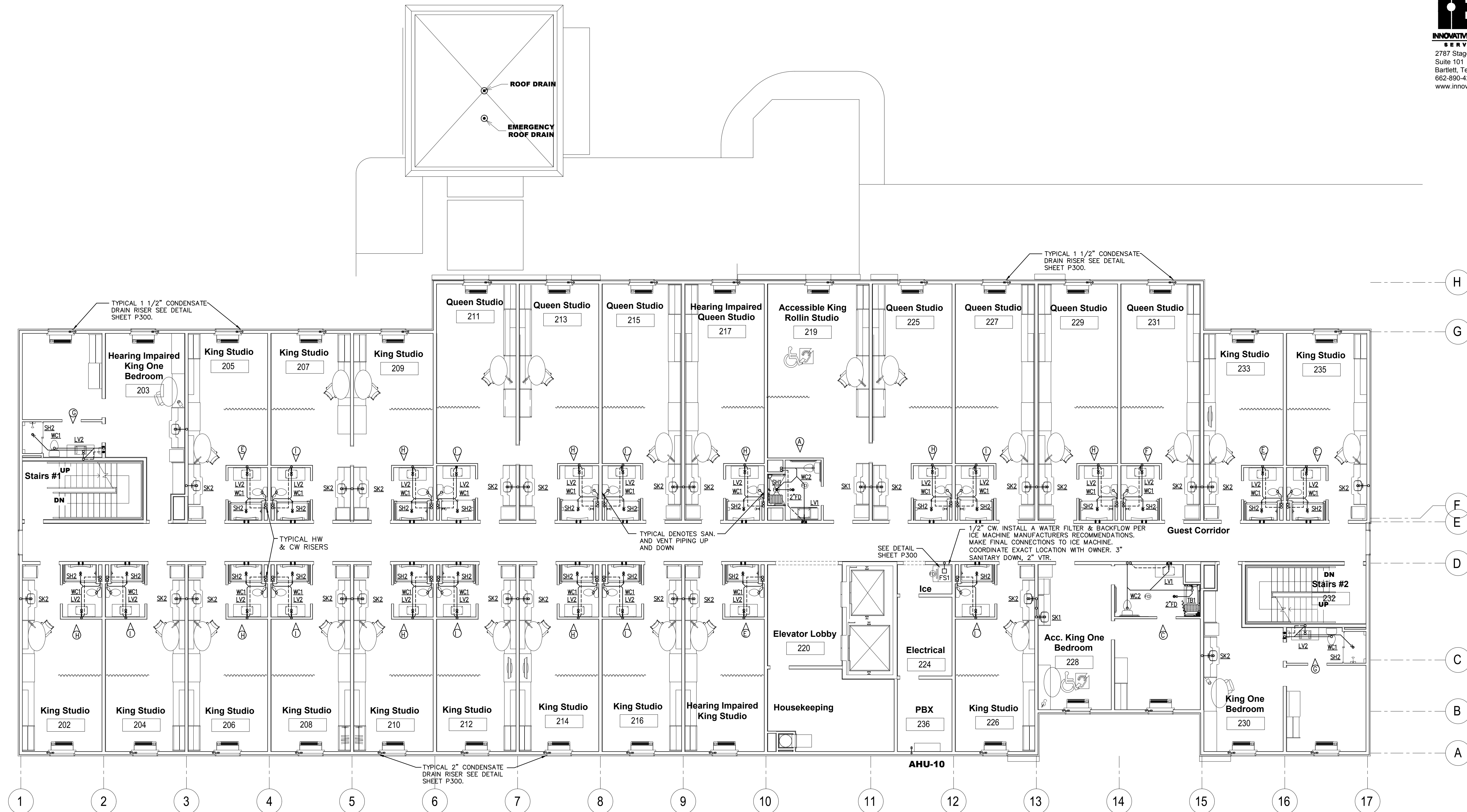
Drawing Title

Second Floor Plan

Phase
Construction Documentss

Project No.	17-051	Sheet No. P102
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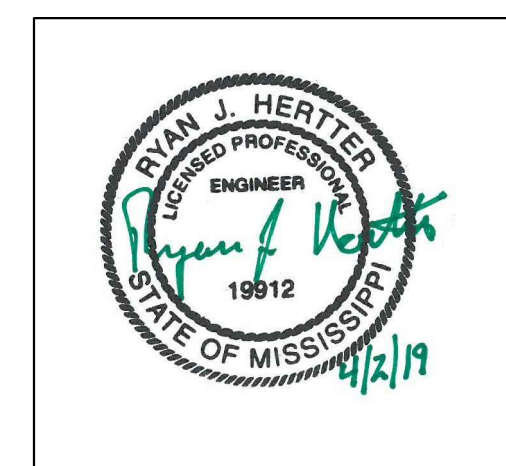
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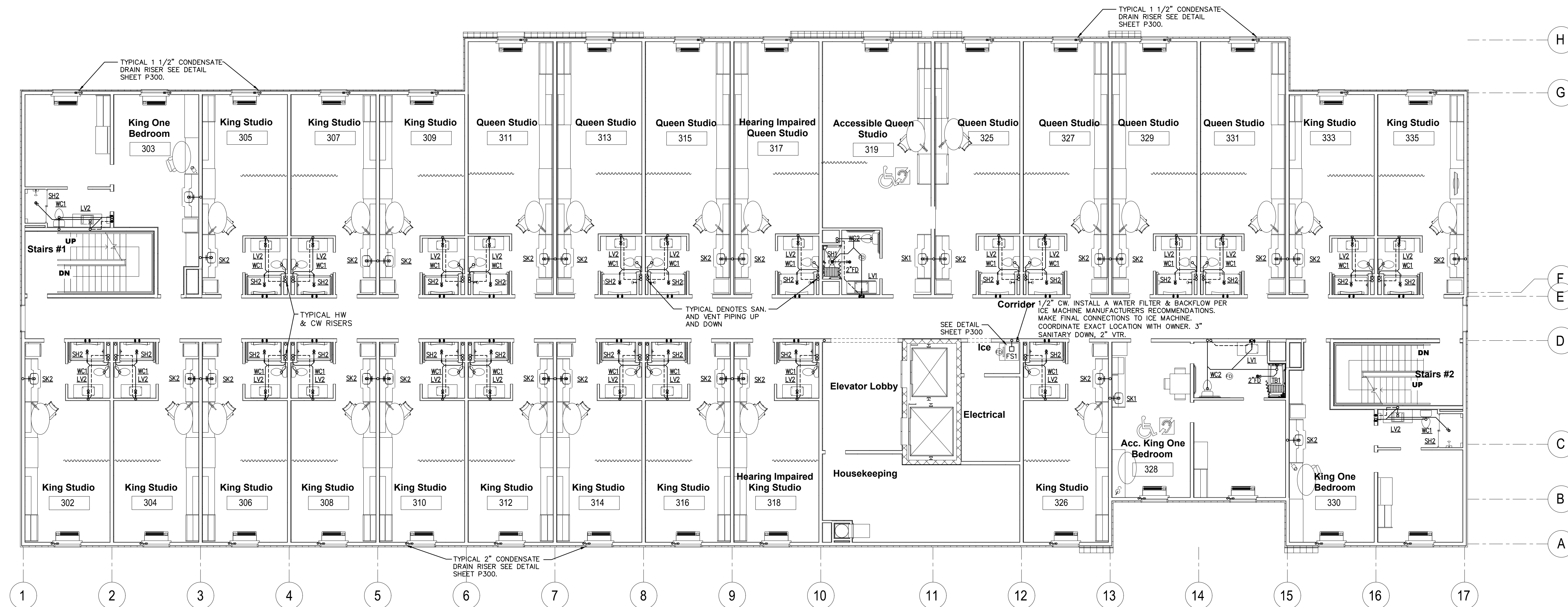
Drawing Title

Third Floor Plan

Phase
Construction Documentss

Project No. 17-051
 Prepared by RHP
 Checked by RJH
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KEY PLAN

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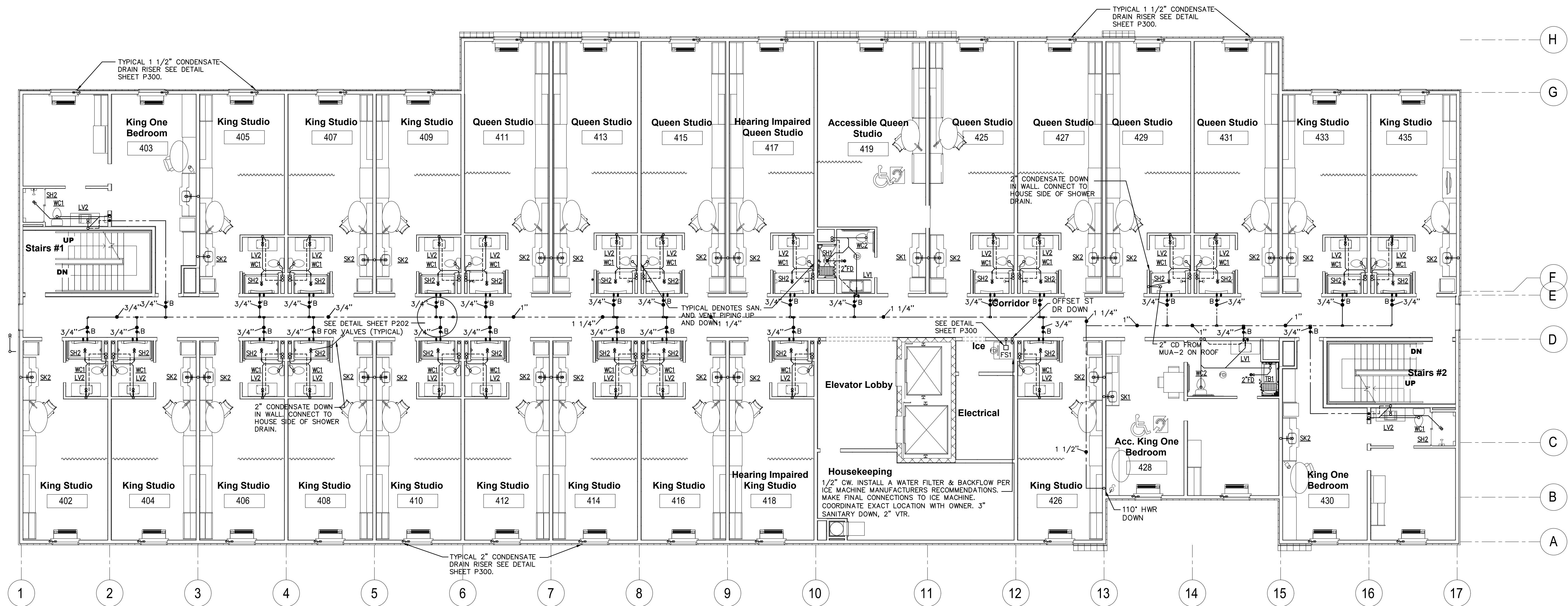
Drawing Title

Fourth Floor Plan

Phase
Construction Documentss

Project No.	17-051	Sheet No. P104
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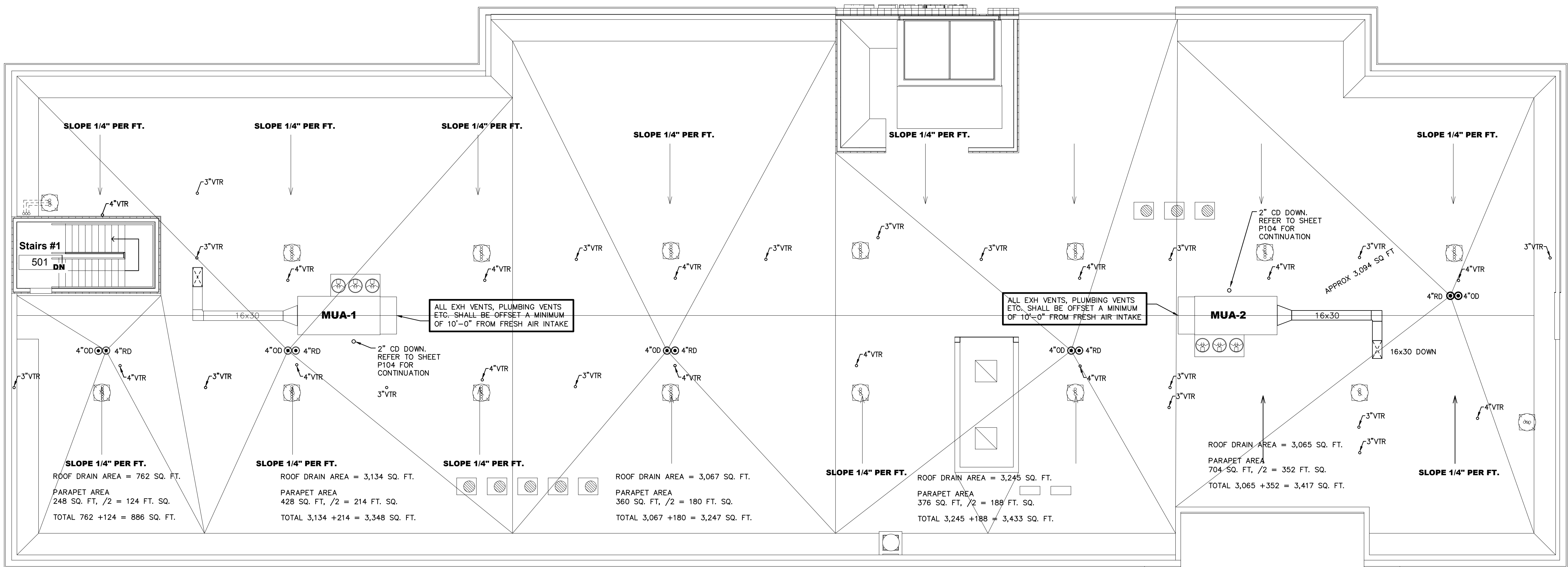


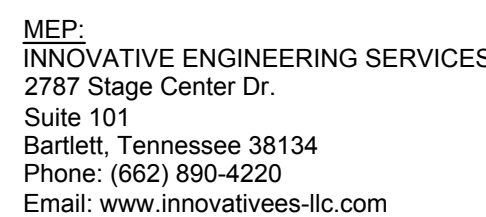
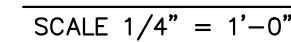
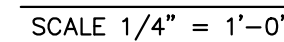
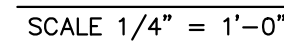
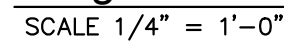
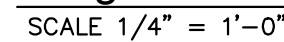
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Project No.	17-051	Sheet No. P105
Prepared by	RHP	
Checked by	RJH	
Date	MAR. 28, 2019	

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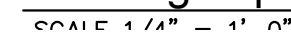
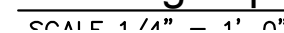
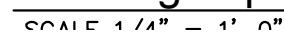
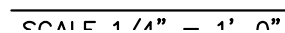


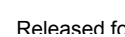
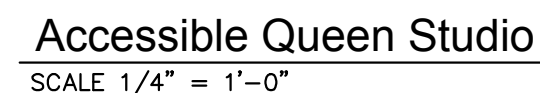
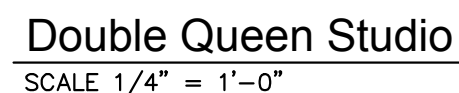
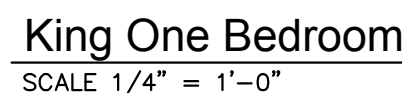
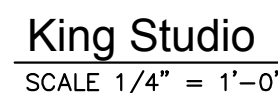
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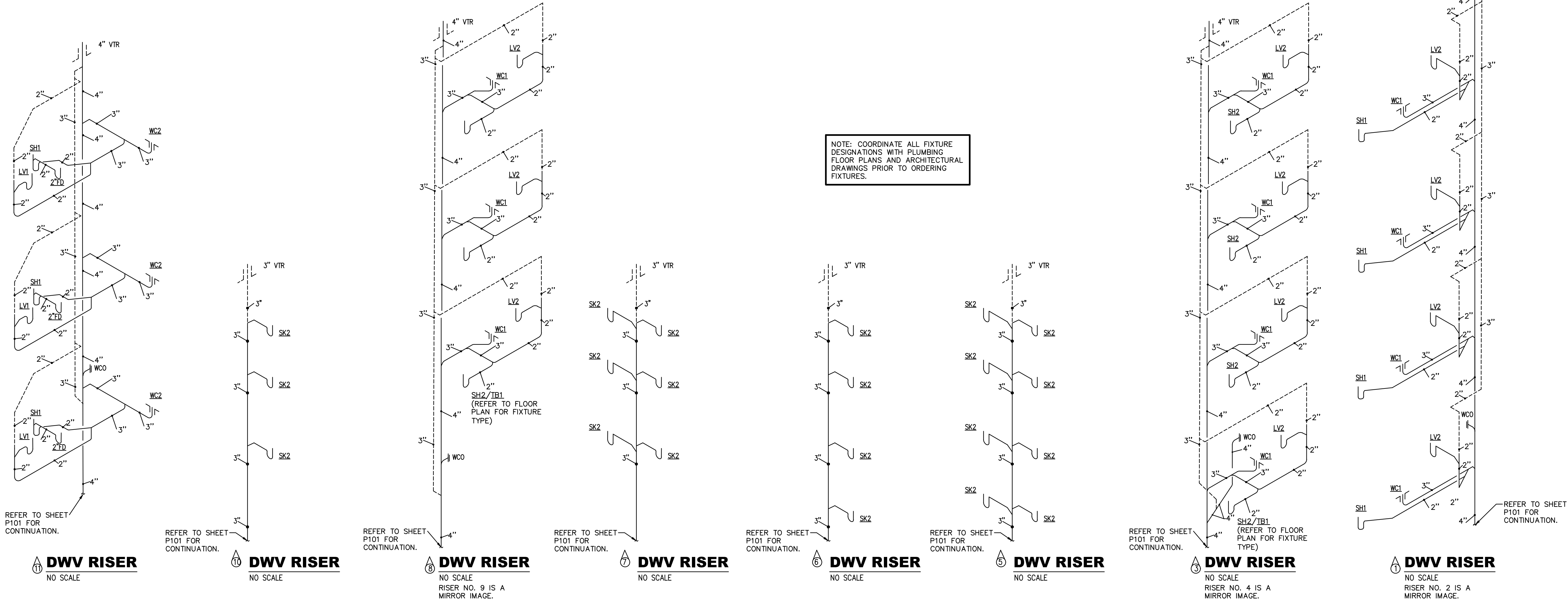


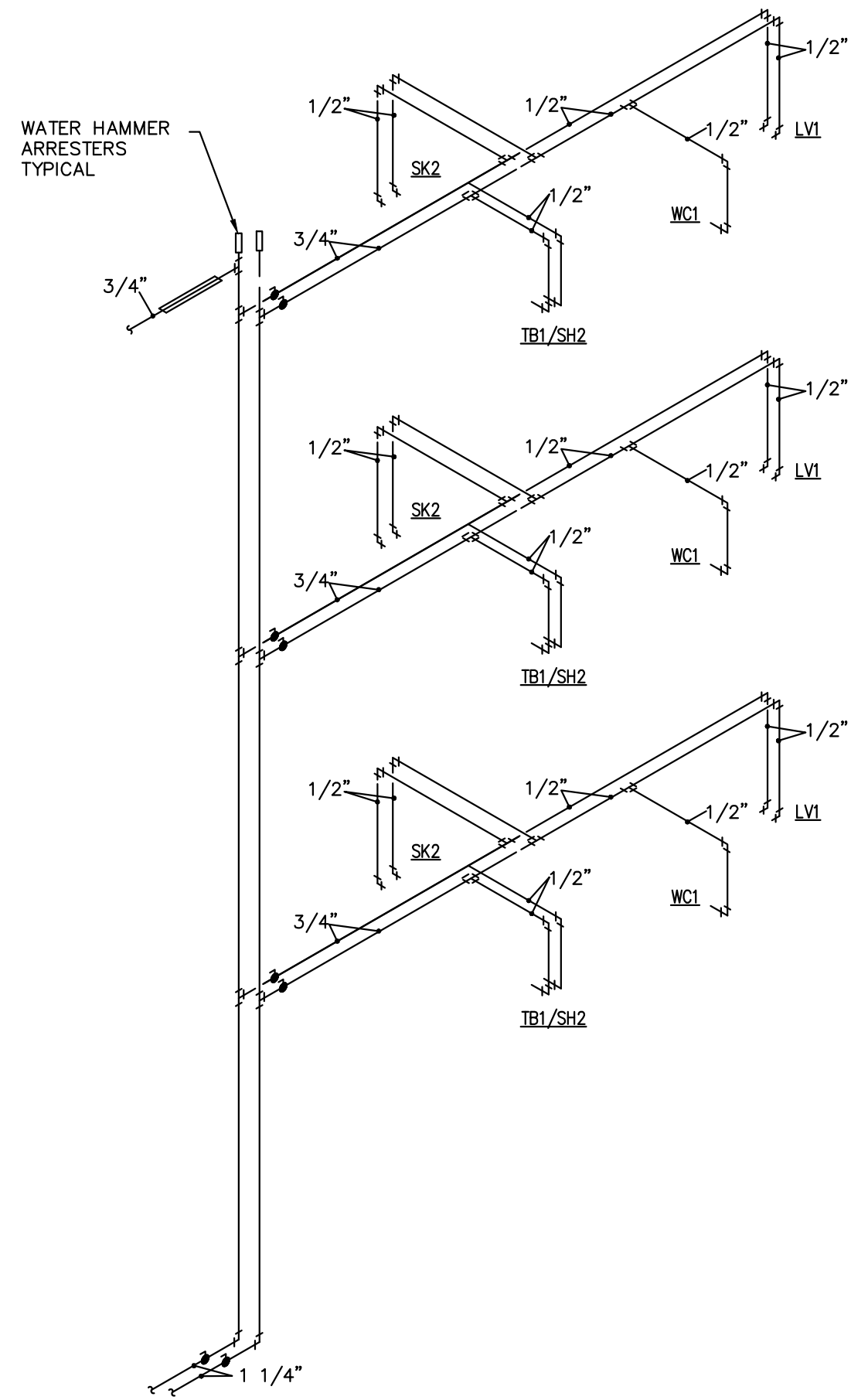
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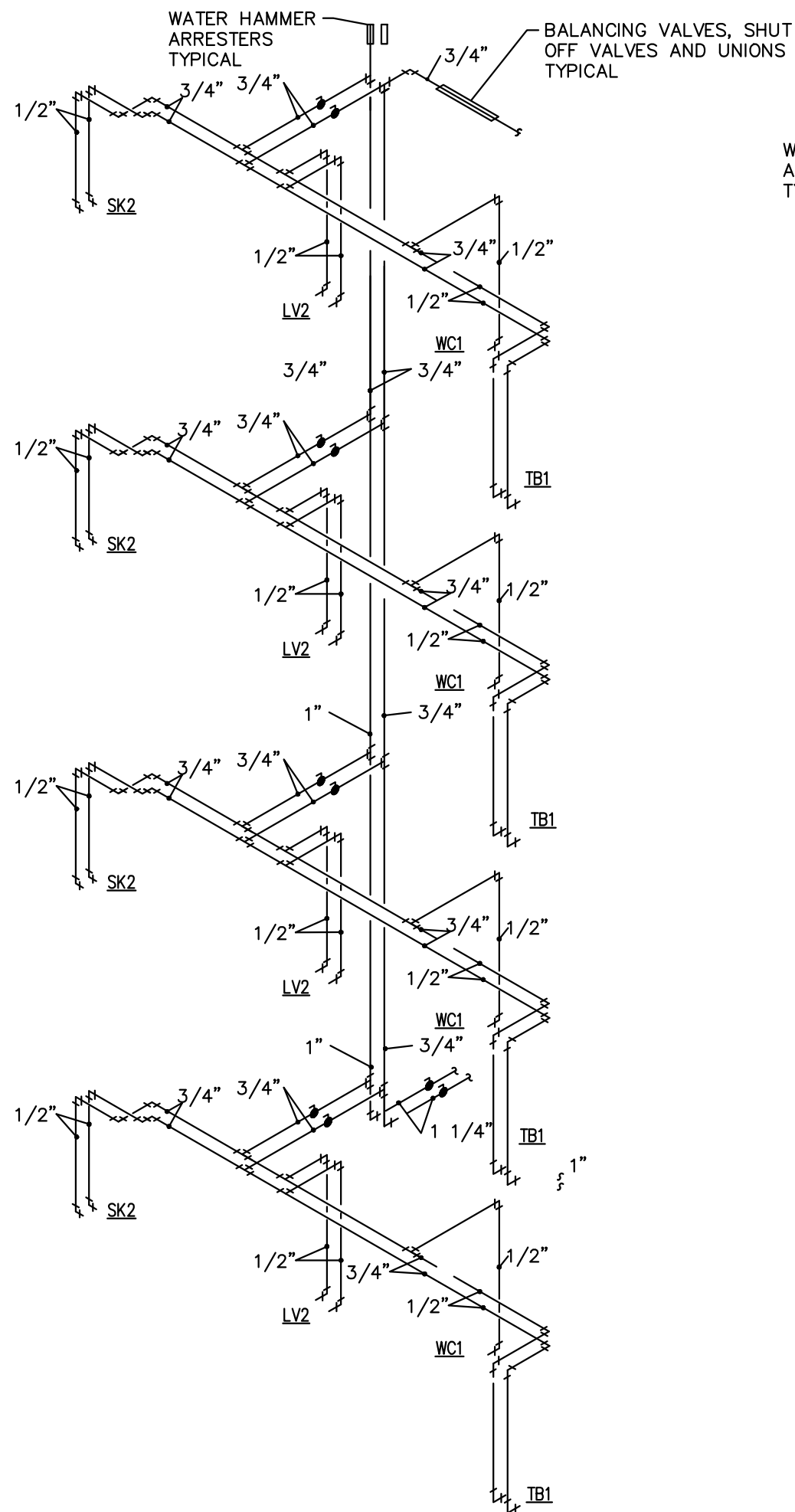
Project No.	17-051	Sheet No. P202
Prepared by	RHP	
Checked by	RJH	
Date	MAR. 28, 2019	

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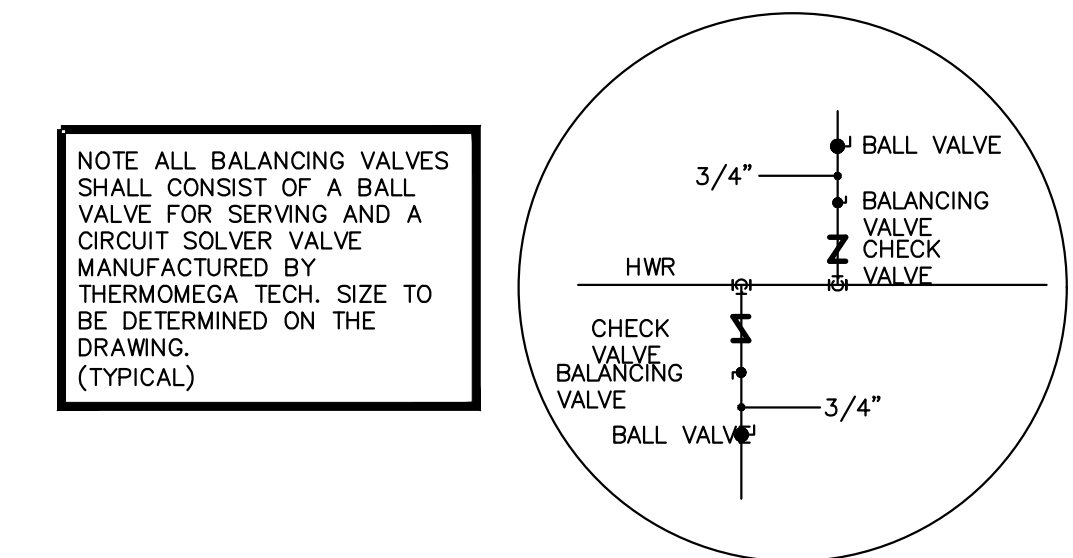




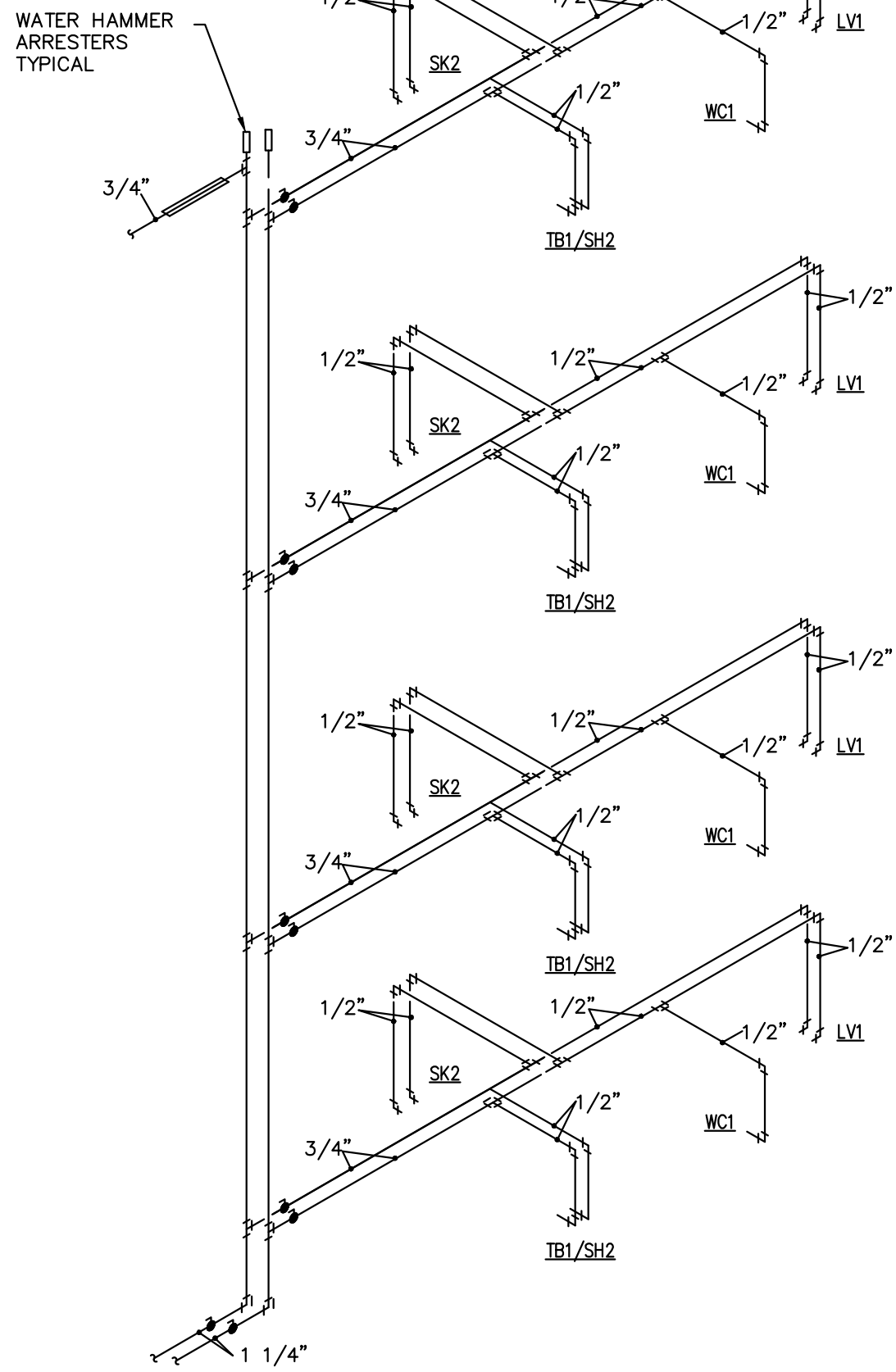
WATER RISER
NO SCALE
"A" IS A MIRROR IMAGE



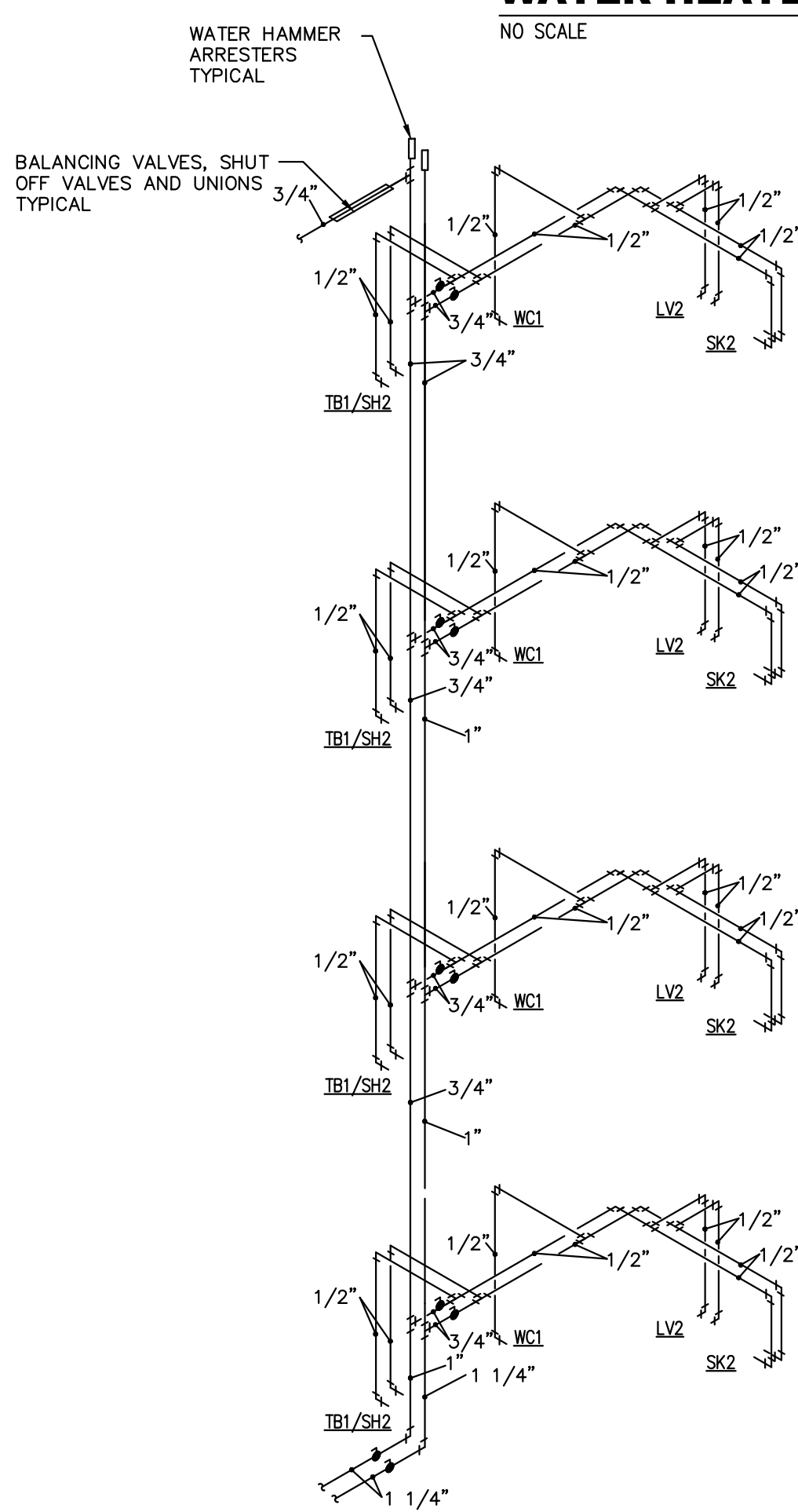
WATER RISER
NO SCALE



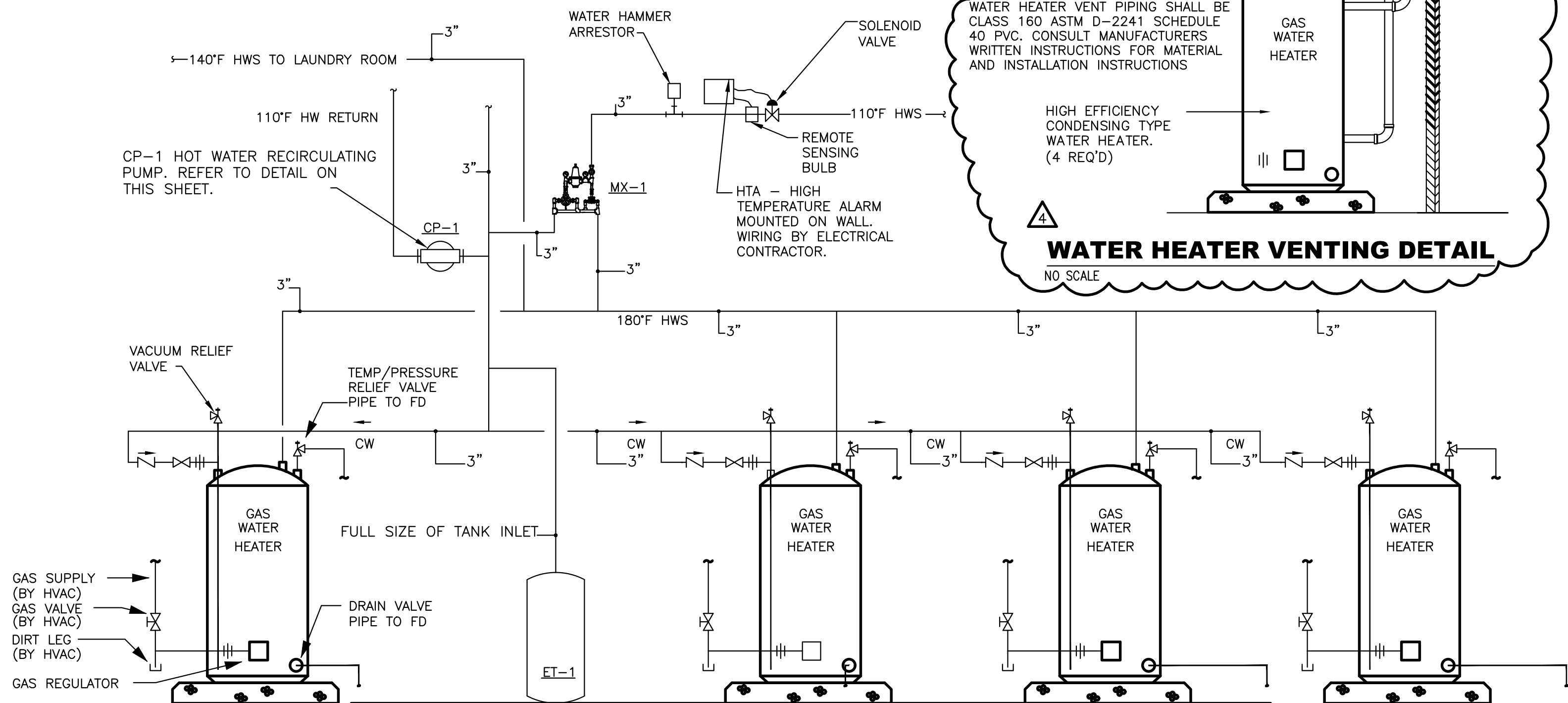
HOT WATER RETURN PIPNG DETAIL
NO SCALE



WATER RISER
NO SCALE



WATER RISER
NO SCALE



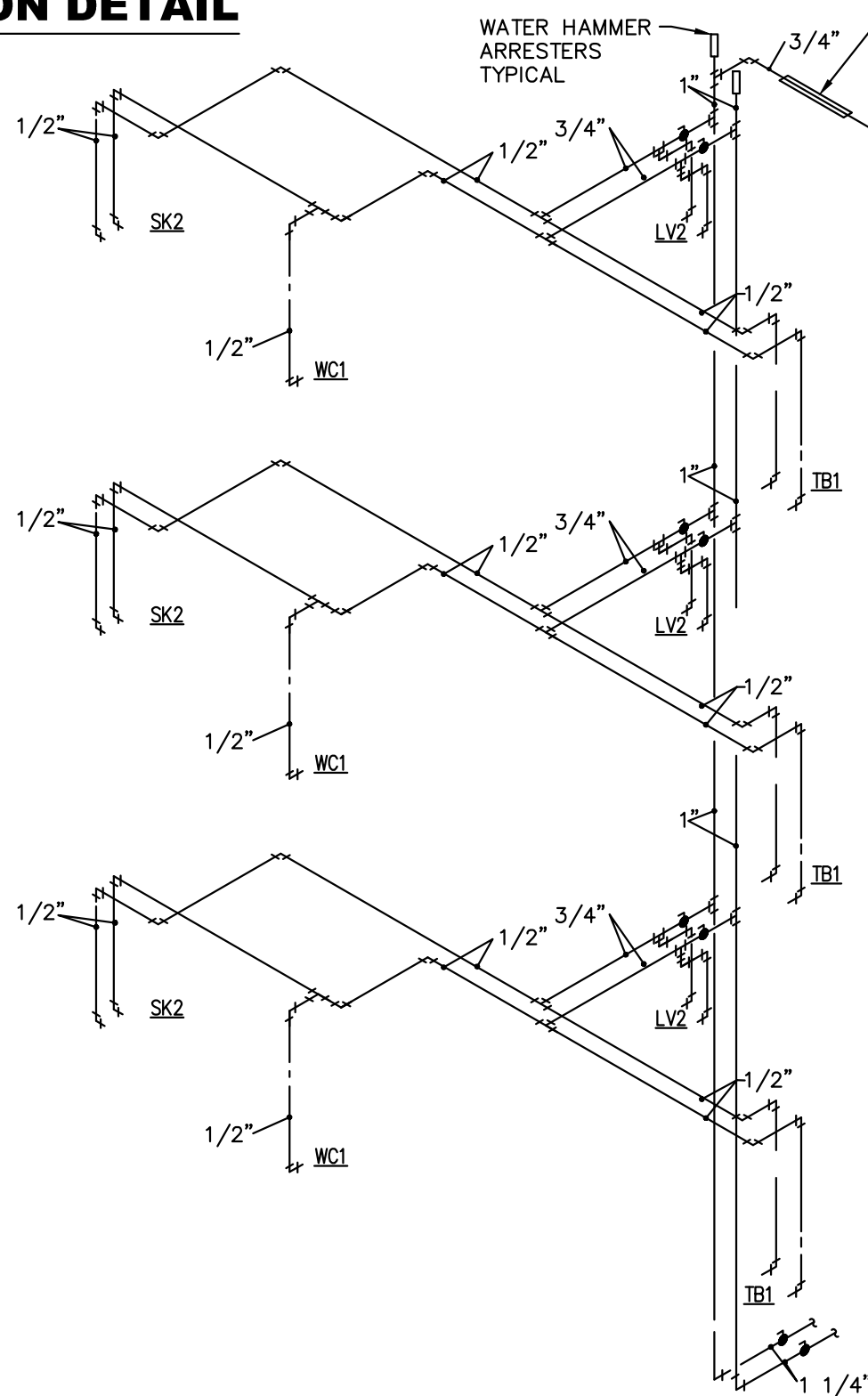
STATE SUF100-199NE(A) GAS FIRED HEATER WITH 100 GALLON STORAGE, 199,000 BTU INPUT, 3" PVC AIR INTAKE, 3" EXHAUST THROUGH EXTERIOR WALL. THIS PIPING DIAGRAM IS A SCHEMATIC ONLY. INSTALL A TRU-FLO MANIFOLD KIT PER MANUFACTURERS WRITTEN INSTRUCTIONS. (GAS PIPING BY HVAC AND ELECTRICAL CONNECTIONS BY ELECTRICAL).
ET-1 EQUAL TO WATTS ET-100 ASME THERMAL EXPANSION TANK.
CP-1 EQUAL TO GRUNDFOS UP 43-75 BF, 20 GPM AT 15 FT HEAD, 1/6 HP AT 120 VOLTS.
MX-1 EQUAL TO LEONARD 2" HIGH-LOW MIXING VALVE WITH A MINIMUM FLOW OF 1/2 GPM.

NOTES:

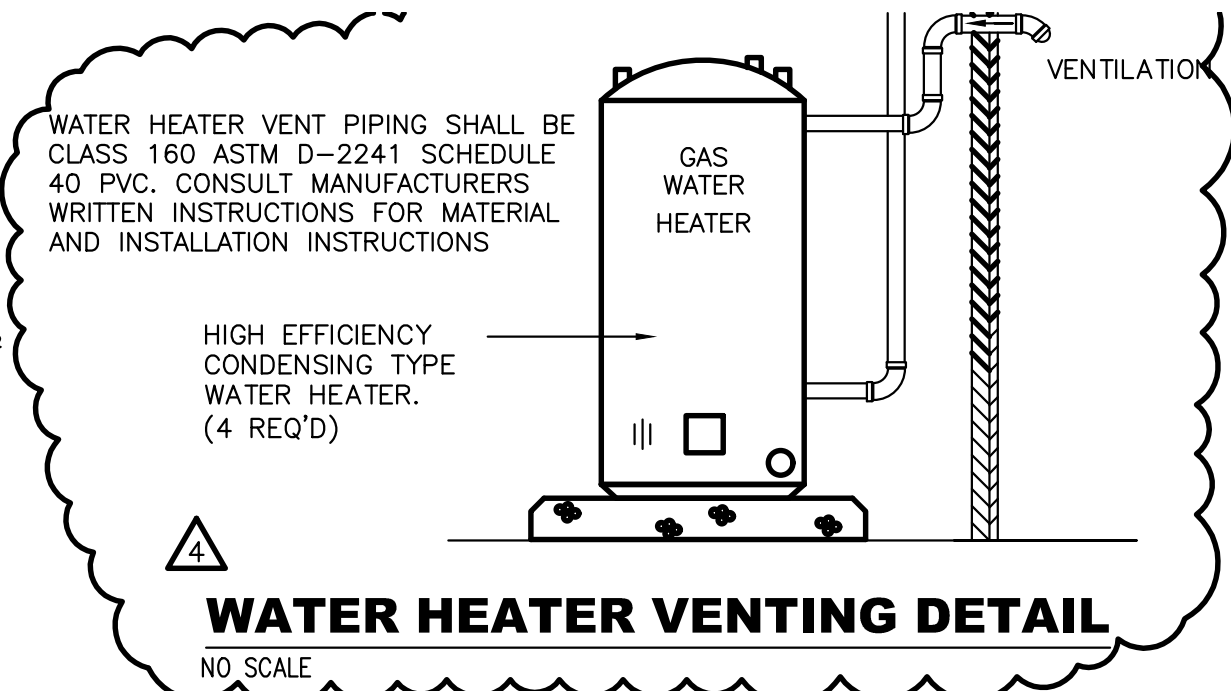
1. INSTALL A JOHNSON CONTROLS MODEL A19DAC-1 REMOTE BULB THERMOSTAT IN WATER HEATER ROOM. STRAP BULB TO HOT WATER RETURN PIPE ON INTAKE SIDE OF PUMP. SET THERMOSTAT TO TURN PUMP ON AT 105 DEGREES AND OFF AT 110 DEGREES. WIRING BY DIVISION 16 ELECTRICAL.
HTA - HIGH TEMPERATURE ALARM: POWERS MODEL# 460 COMPLETE WITH THERMOSTAT SOLENOID, 120 TO 24 VOLT TRANSFORMER, SHOCK ABSORBER AND CONTROL PANEL (WIRING BY DIVISION -16 ELECTRICAL)
2. IF ALARM PANEL CAUSES THE SOLENOID TO STOP THE FLOW OF WATER, THEN THE RECIRCULATING PUMP SHALL ALSO BE STOPPED.

WATER HEATER CONNECTION DETAIL

NO SCALE

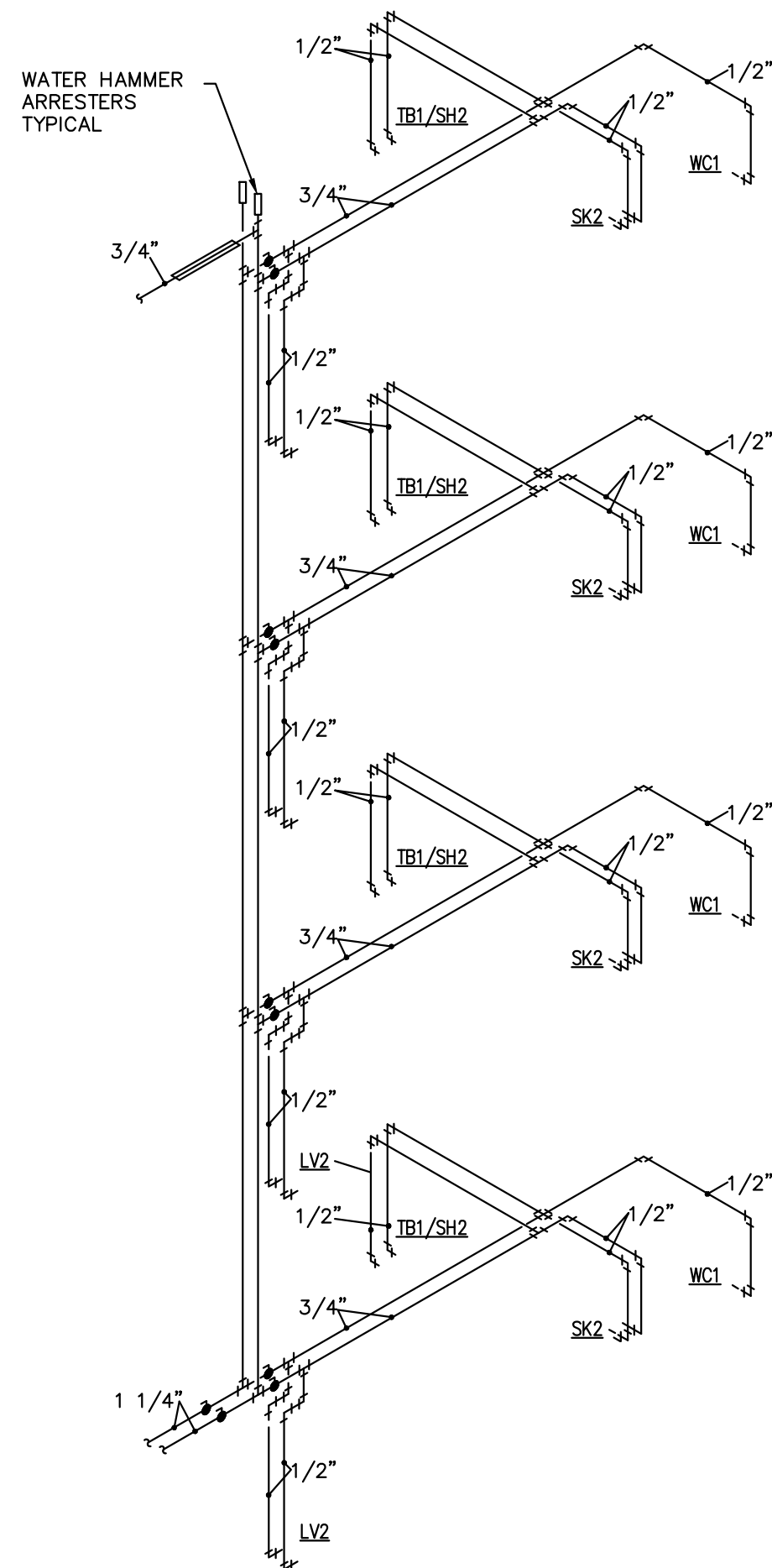


WATER RISER
NO SCALE



WATER HEATER VENTING DETAIL

NO SCALE



WATER RISER
NO SCALE
"B" IS A MIRROR IMAGE

IES
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REVISIONS		
No.	Date	Description
4	7/01/19	CITY PLAN REVIEW

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KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Water Risers

Phase
Construction Documentss

Project No.	17-051	Sheet No.	P203
Prepared by	RHP		
Checked by	RJH		
Date	MAR. 28, 2019		

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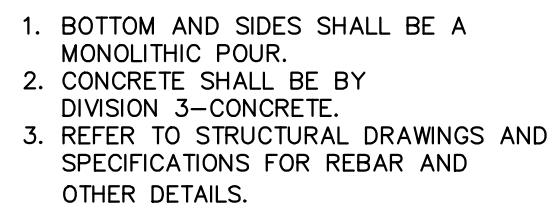


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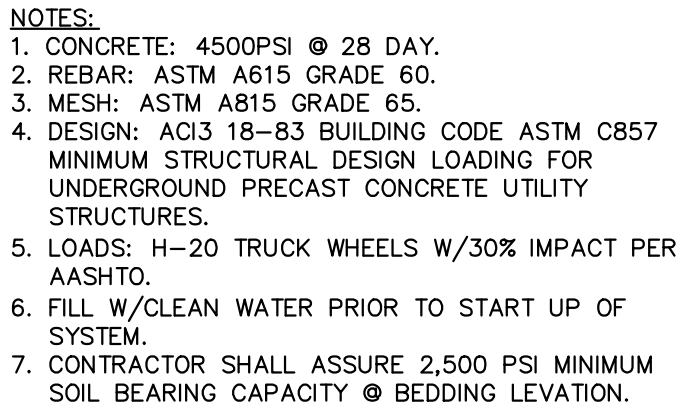
RYAN J. HERTZ
LICENSED PROFESSIONAL
ENGINEER
99812
STATE OF MISSISSIPPI
4/2/19

Project No.	17-051	Sheet No. P301
Prepared by	RHP	
Checked by	RJH	
Date	MAR. 28, 2019	



TRENCHES SHALL HAVE 12" MINIMUM AND 24" MAXIMUM CLEARANCE ON ALL SIDES. UNIFORM SLOPE SO THAT THE PIPING IS UNIFORMLY SUPPORTED THROUGHOUT ITS ENTIRE LENGTH OF UNDISTURBED SOIL. WHEN NECESSARY, TRENCHES SHALL BE UNDERCUT TO A DEPTH REQUIRED TO REACH STABLE SOIL AND FILLED TO THE FLOW LINE DEPTH WITH COMPACTED SAND.

MATERIAL AND CLOS. BACKFILL AND TAMP IN 4" LAYERS TO A HEIGHT AT LEAST 2" ABOVE PIPE. THE REMAINDER OF BACKFILL SHALL BE BROUGHT TO GRADE AND COMPACTED TO DENSITY OF SURROUNDING SOIL.



SCALE: NONE

3. LICENSED PLUMBING CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED BY LOCAL CODES.
2. WATER SUPPLY SYSTEM AND SEWER SYSTEM SHALL BE PERMITTED AND INSPECTED BY LOCAL AUTHORITIES PRIOR TO BUILDING OCCUPANCY AND PROJECT CLOSEOUT.
3. THE WORK UNDER PLUMBING SECTION SHALL INCLUDE ALL LABOR, SERVICES, MATERIALS, EQUIPMENT, AND PERFORMANCE OF ALL WORK REQUIRED FOR THE INSTALLATION OF ALL PLUMBING WORK, AS SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED.
4. SHOULD THERE BE ANY DISCREPANCIES OR A QUESTION OF INTENT, REFER THE MATTER TO THE ENGINEER FOR A DECISION BEFORE ORDERING ANY EQUIPMENT OR MATERIALS, OR BEFORE STARTING ANY RELATED WORK.
5. WHERE WORK CONNECTS TO THAT OF ANOTHER TRADE OR TO PIPING OR EQUIPMENT IN PLACE, FIELD MEASUREMENTS SHALL BE MADE TO MAKE CONNECTING WORK COME TRUE AND LINE UP WITH THE ITEM BEING CONNECTED.
6. WHERE WORK OF OTHER TRADES CONNECTS TO EQUIPMENT WHICH IS A PART OF THIS TRADE PROVIDE PROPER CONNECTION(S) TO SUCH EQUIPMENT.
7. MINOR ITEMS AND ACCESSORIES OR DEVICES REASONABLY INFERRED AS NECESSARY TO THE COMPLETE AND PROPER INSTALLATION AND OPERATION OF ANY SYSTEM SHALL BE PROVIDED BY THE CONTRACTOR FOR SUCH SYSTEM, WHETHER OR NOT THEY ARE SPECIFICALLY CALLED FOR BY THE SPECIFICATIONS AND DRAWINGS.
8. CAREFULLY CHECK AND COORDINATE THE LOCATION AND LEVEL OF ALL PIPES, DUCT, ETC. RUN PRELIMINARY LEVELS AND CHECK WITH ALL OTHER CONTRACTORS SO THAT CONFLICTS IN ALL LOCATIONS MAY BE AVOIDED.
9. ALL WORK SHALL BE EXECUTED AND INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL FEDERAL, STATE, AND LOCAL CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS, AND OSHA REQUIREMENTS APPLICABLE TO THE PARTICULAR CLASS OF WORK. ALL PERMITS AND FEES FOR PLUMBING WORK SHALL BE PAID BY THE PLUMBING CONTRACTOR AND SHALL BE INCLUDED IN HIS BID.
10. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS ON THE PROJECT IN ORDER THAT THERE BE NO DELAY IN THE PROPER INSTALLATION AND COMPLETION OF THE WORK. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF HIS WORK WITH THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND ALL OTHER TRADES ON THE PROJECT, AND SHALL FIT HIS WORK TO AVOID INTERFERENCE. ANY RELOCATION OF DUCTWORK, EQUIPMENT, PIPING, VALVES, ETC., REQUIRED BECAUSE OF AN INTERFERENCE SHALL BE MADE AT THIS CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COST TO THE OWNER.
11. ALL PIPE, TUBE, AND FITTINGS SHALL COMPLY WITH THE LATEST ISSUED CODE AND STANDARDS, UNLESS INDICATED OTHERWISE BY LOCAL CODES.
12. WELDING PROCEDURES, WELDERS, AND OPERATORS SHALL BE CERTIFIED IN ACCORDANCE WITH ASME B 3.11 OR ASME B 31.9, AS APPLICABLE, FOR SHOP AND PROJECT SITE WELDING OF PIPE WORK.
13. CERTIFY WELDING OF PIPING WORK USING STANDARD PROCEDURE SPECIFICATIONS BY, AND WELDERS TESTED UNDER SUPERVISION OF, NATIONAL CERTIFIED PIPE WELDING BUREAU (NCPWB).
14. WHERE PLASTIC PIPE IS INDICATED TO TRANSPORT POTABLE WATER, PROVIDE PIPES AND PIPE FITTINGS BEARING APPROVAL LABEL BY NATIONAL SANITATION FOUNDATION (NSF).
15. COPPER TUBE AND FITTINGS

- A. COPPER TUBE: ASTM B 88 TYPE (WALL THICKNESS), AS INDICATED, FOR EACH SERVICE: HAD-DRAWN OR SOFT-DRAWN TEMPER, AS INDICATED, EXCEPT AS OTHERWISE INDICATED.
 - B. CAST COPPER SOLDER JOINT FITTINGS: ANSI B16.18.
 - C. WROUGHT COPPER SOLDER JOINT FITTINGS: ANSI B16.22.
16. BRASS PIPE FITTINGS
- A. RED BRASS PIPE: ASTM B 43 IN REGULAR WEIGHT.
 - B. CAST BRONZE THREADED FITTINGS: ANSI B16.15, CLASS 150 OR 250, AS REQUIRED.
 - C. CAST BRONZE THREADLESS FITTINGS: ASTM B 61.
17. PLASTIC PIPES AND FITTINGS
- A. POLYVINYL CHLORIDE PIPE (PVC): ASTM D 1785, IN SCHEDULE WEIGHT, AS INDICATED ON THE DRAWINGS.
 - B. POLYVINYL CHLORIDE WATER PIPE (PVC): AWWA C 900 IN.
 - C. POLYVINYL CHLORIDE SEWER PIPE (PVC): ASTM D 2729.
 - D. POLYVINYL CHLORIDE DRAIN, WASTE AND VENT PIPE (PVC-DWV): ASTM D 2685.
 - E. POLYVINYL CHLORIDE TYPE PSM SEWER PIPE: ASTM D 3034.
 - F. PVC FITTINGS
- 1. SCHEDULE 40 SOCKET: ASTM D 2466
 - 2. SCHEDULE 80 SOCKET: ASTM D 2467
 - 3. SCHEDULE 80 THREADED: ASTM D 2464
 - 4. DWV SOCKET: ASTM D 2685
 - 5. SEWER SOCKET: ASTM D 2729
 - 6. SOLVENT CEMENT: ASTM D 2564
 - 7. SOLVENT CEMENT (TO JOIN PVC TO ABS): ASTM D 3138

18. INSULATION

Suite 101
Bartlett, Tennessee 38134

A. MANUFACTURER'S - ARMACEL INTERNATIONAL OR APPROVED EQUAL, 4.2 PER INCH R VALUE, INSULATE DRAIN, PUMP BODY, OVERFLOW DRAIN, DRAIN, DRAIN, DRAIN, DRAIN, DRAIN, DRAIN, DOMESTIC COLD, HOT AND HOT WATER RETURN PIPING SYSTEMS WITH ARMACEL INTERNATIONAL; MODEL AP ARMAFLEX OR APPROVED EQUAL, 4.2 PER INCH R VALUE, PREFORMED FLEXIBLE ELASTOMER CLOSED-CELL RUBBER INSULATION COMPLYING WITH ASTM A1334 TYPE 1. USE ADDED TUBULAR MATERIAL WHEREVER POSSIBLE AND HAVE WATERPROOF VASTOR BARRIER ADHESIVE. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. INSULATE ENTIRE SYSTEM INCLUDING FITTINGS, VALVES, UNIONS, FLANGES, STRAINERS, FLEXIBLE CONNECTIONS, PUMP BODIES, AND EXPANSION JOINTS. USE OVERSIZED HANGERS TO ALLOW THE INSULATION TO PASS THROUGH THE HANGER WITHOUT CUTTING OR PIERCING. MAINTAIN A CONTINUOUS VAPOR BARRIER. INSULATION SHALL BE APPLIED TO THE FOLLOWING PIPING SYSTEM WITH THICKNESS AS INDICATED. ALL INSULATION SHALL COMPLY WITH THE CURRENT IECC CODES.

C. PIPING SYSTEM, PIPE SIZE, THICKNESS
DOMESTIC COLD WATER, ALL SIZES, 1/2" - 1"

D. FURNISH AND INSTALL ZESTON 2030 PRO TO PVC INSULATED FITTING COVERS ON ALL PIPE FITTINGS, FLANGES, VALVES, AND PIPE TERMINATIONS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

E. PIPE INSULATION SHALL RUN CONTINUOUS THROUGH NON-RATED WALLS AND PARTITIONS, EXCEPT WHERE PIPE PASSES THROUGH FIRE RATED WALLS, PENETRATION OF FIRE RATED WALL SHALL BE ACCOMPLISHED BY MEANS OF FIRE RATED PIPE PENETRATIONS, AS DETAILED BY U.L.

19. SANITARY SEWER UNDERBUILD INSIDE BUILDING CAST IRON. (OWNERS MAY DIRECT USE OF PVC INSIDE CAST IRON AT THEIR OWN RISK.) SANITARY SEWER SHALL BE DWV SCHEDULE 40 PVC AS ALLOWED BY SANITARY SEWER ABOVE FLOOR MAY BE SCHEDULE 40 SOLID CORE PVC DEPENDENT ON CODES. CELLULOSE CORE PVC PIPING IS NOT ACCEPTABLE. SANITARY SEWER OUTSIDE THE BUILDING MAY BE DWV SCHEDULE 40 PVC AS ALLOWED BY LOCAL CODE.

20. GENERAL CONTRACTOR WILL PROVIDE OPENINGS IN ROOF, FLOORS AND EXTERIOR WALLS FOR PLUMBING EQUIPMENT AND PIPE PENETRATIONS.
21. INSULATE ALL ABOVE GRADE DOMESTIC WATER PIPE AND COLD CONDENSATE DRAIN PIPES.
22. SHOCK ABSORBERS (SA) SHALL BE WADE #10, WATTS #SG-050, OR EQUAL.
23. WALL HYDRANTS SHALL BE WATTS #HY-420, OR EQUAL.
24. DOMESTIC WATER PIPING BELOW GRADE SHALL BE TYPE "K" SOFT DRAWN COPPER PIPE WRAPPED WITH VINYL TAPE. NO JOINTS BELOW FLOOR SLAB.
25. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE HARD DRAWN TYPE "L" COPPER WITH WROUGHT SWEAT SOLDER JOINTS OR COMBINED COPPER-PEX-A SYSTEM PER HILTON HOTEL STANDARD SPECIFICATIONS.
26. VALVES SHALL BE FULL PORT BALL VALVES, NIBCO, OR EQUAL.
27. SEISMIC RESTRAINTS (WHERE REQUIRED BY CODE)

PIPE SIZE: 1" 1 1/4" 1 1/2" 2" 2 1/2" 3" 4" 6" 8"

MAX TRANSVERSE
SPACING (FT.):

14	16	18	20	24	26	28	34	38
----	----	----	----	----	----	----	----	----

MAX. LONGITUDINAL SPACING (FT.)	28	32	36	44	48	52	56	68	76
------------------------------------	----	----	----	----	----	----	----	----	----

SOIL PIPING WITH NO-HUB AND BELL AND SPIGOT CAST IRON SOIL PIPE SHALL HAVE TRANSVERSE BRACING 10'-0" O.C. MAXIMUM AND LONGITUDINAL BRACING 20'-0" O.C. MAXIMUM.

C. PLUMBING CONTRACTOR SHALL PROVIDE SEISMIC RESTRAINT CALCULATIONS FOR PLUMBING PIPING AND EQUIPMENT CONNECTED TO THE BUILDING STRUCTURE. CALCULATIONS MUST BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT LOCATION.

D. SEISMIC RESTRAINT MATERIALS SHALL BE AS MANUFACTURED BY MASON INDUSTRIES, B-LINE SYSTEMS OR AN APPROVED EQUAL.

28. PIPE PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROVIDED WITH U.L. FIRE RATED PIPE SLEEVE ASSEMBLIES AND SEALED AS REQUIRED BY LOCAL AND STATE CODES AND ORDINANCES.
29. PIPE PENETRATIONS THROUGH SMOKE BARRIERS (1 HOUR FIRE RESISTANT RATING REQUIRED FOR SMOKE BARRIERS.) SHALL BE PROVIDED WITH U.L. FIRE RATED PIPE SLEEVE ASSEMBLIES AND SEALED AS REQUIRED BY LOCAL AND STATE CODES AND ORDINANCES.
30. PIPE PENETRATIONS THROUGH SMOKE PARTITIONS SHALL BE SEALED TO PREVENT PASSAGE OF SMOKE AS REQUIRED BY LOCAL, AND STATE CODES AND ORDINANCES.
31. IF PVC DRAINAGE PIPE IS USED ABOVE GUEST ROOMS OR ANY OTHER PUBLIC AREA, THE PIPES SHALL BE INSULATED FOR SOUND CONTROL.
32. PLUMBING CONTRACTOR SHALL HAVE IN POSSESSION A COPY OF "FURNISHING & CONSTRUCTION STANDARDS", FOR USE BY HOME2 SUITES BY HILTON ONLY, LATEST EDITION AND COMPLY WITH DIRECTIVE, UNLESS INSTRUCTED OTHERWISE BY THE OWNER.
33. ALL ITEMS RELATED TO THE PLUMBING SYSTEMS MUST HAVE THE APPROVAL OF HILTON HOTELS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS.



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KEY PLAN

Pramukh Vicksburg,
LLC

Home2Suites
Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title

Details and Specs

Phase
Construction Documents

Project No.	17-051	Sheet No.	P302
Prepared by	RHP		
Checked by	RJH		
Date	MAR. 28, 2019		

Released in

TELEPHONE SERVICE
COORDINATE THE LOCATION OF ALL TELEPHONE SERVICE CONDUITS WITH THE
LOCAL TELEPHONE COMPANY. PROVIDE SIZE AND QUANTITIES OF CONDUITS
AS REQUIRED. PROVIDE CONDUITS FROM THE PBX ROOM TO A POINT AT THE
PROPERTY LINE WITH CONDUITS STUBBED-UP AS DIRECTED BY THE LOCAL
TELEPHONE COMPANY.

CATV SERVICE

COORDINATE THE LOCATION OF ALL CATV SERVICE CONDUITS WITH THE LOCAL CABLE TELEVISION COMPANY. PROVIDE SIZE AND QUANTITIES OF CONDUITS AS REQUIRED. PROVIDE CONDUITS FROM THE PBX ROOM TO A POINT AT THE PROPERTY LINE WITH CONDUITS STUBBED-UP AS DIRECTED BY THE LOCAL CABLE TELEVISION COMPANY.

ELECTRICAL SERVICE

1.) SERVICE VOLTAGE TO THIS PROJECT SHALL BE 120/208V, 3-PHASE, 4-WIRE, 60 HZ.

2.) THE ROUTING OF THE UNDERGROUND ELECTRIC PRIMARY SERVICE ENTRANCE SHALL BE AS DETERMINED BY THE LOCAL POWER COMPANY. PROVIDE NECESSARY UNDERGROUND CONDUITS CONSISTING OF THE SIZE AND QUANTITIES AS REQUIRED BY THE LOCAL POWER COMPANY.

3.) THE LOCATION OF THE PAD MOUNTED TRANSFORMER IS SHOWN ON THE ELECTRICAL SITE PLAN, HOWEVER THE PRECISE LOCATION SHALL BE COORDINATED WITH THE LOCAL POWER COMPANY.

4.) ARRANGE WITH THE LOCAL POWER COMPANY FOR BOTH TEMPORARY AND PERMANENT POWER TO THIS PROJECT. CONSULT WITH THE LOCAL POWER COMPANY REPRESENTATIVES TO INSURE THAT ADEQUATE POWER OF THE DESIRED VOLTAGE AND PHASE CHARACTERISTICS IS AVAILABLE. ASSIST THE OWNER IN OBTAINING THE NECESSARY SERVICE AGREEMENTS.

5.) ALL SERVICE REQUIREMENTS SHALL BE CAREFULLY INVESTIGATED BY AND COORDINATED BY THE ELECTRICAL CONTRACTOR. PROVIDE ALL REQUIRED FACILITIES INCLUDING, BUT NOT LIMITED TO:

TRENCHING AND BACKFILL, CONDUIT, PULL WIRES AND/OR ROPES & STRINGS,
CABLE, CONNECTIONS, AND METERING PROVISIONS AND REQUIREMENTS.

6.) DO NOT BEGIN ANY WORK IN CONNECTION WITH THE MAIN SERVICE PRIOR TO RECEIVING AN ENGINEERING DRAWING FROM THE POWER COMPANY SHOWING THE REQUIRED FACILITIES.

1.) ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND NATIONAL ELECTRICAL CODES, INCLUDING THE LATEST EDITION OF THE N. E. C. AND ADA GUIDELINES.

2.) ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PURCHASING ALL NECESSARY LICENSES, PERMITS, AND INSPECTIONS, AS WELL AS ANY OTHER FEES REGARDING THE ELECTRICAL INSTALLATION.

3.) CONNECT ALL PIV VALVES TO THE FIRE ALARM SYSTEM. -- VERIFY LOCATION OF ALL PIV VALVES WITH THE SPRINKLE CONTRACTOR.

4.) PAD MOUNTED TRANSFORMER BY LOCAL POWER COMPANY. PAD AS DIRECTED BY THE LOCAL POWER COMPANY.

5.) ALL WIRING SHOWN ON THIS SITE PLAN SHALL BE A MINIMUM OF #10 THHN / THWN COPPER IN A MINIMUM 3/4" C., UNLESS NOTED OTHERWISE.

6.) PROVIDE ALL NECESSARY DISCONNECT AND SWITCHES FOR ALL SIGNS -- COORDINATE ALL SIGN CONNECTIONS WITH SIGN CONTRACTOR.

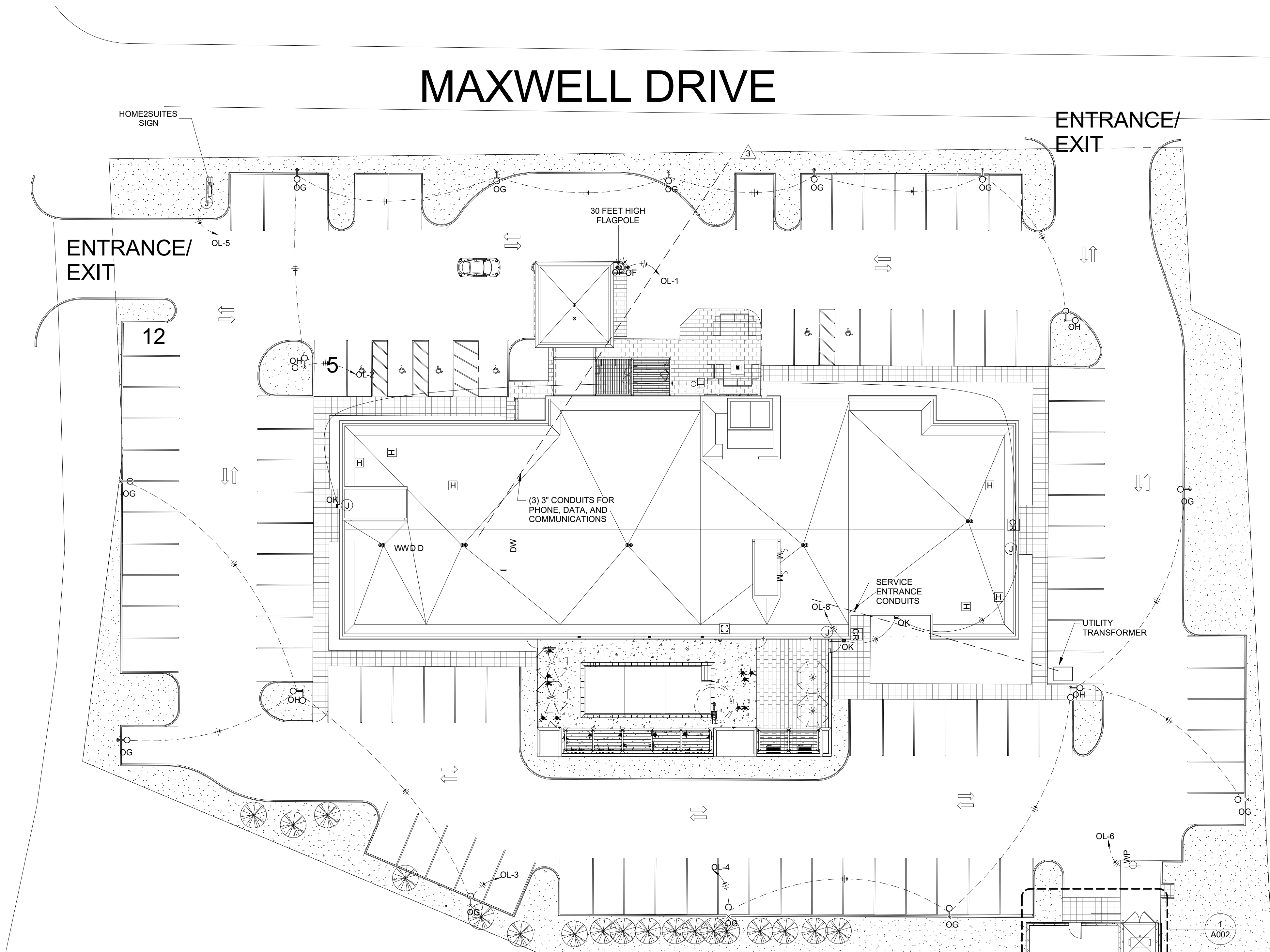
7.) SEE SHEET "E405" FOR POLE BASE DETAIL.

8.) UNDERWATER POOL LIGHTS BY POOL CONTRACTOR.

9.) IN OUTDOOR STORAGE BUILDING PROVIDE 2-TYPE "H" FIXTURES WITH ZERO DEGREE BALLASTS CONTROLLED BY 1-S.P.S.T. SWITCH AND 1-GFI DUPLEX RECEPTACLE. ALL FEED FROM CIRCUITS "CC-16 & 18".

① ELECTRICAL SITE PLAN
1" = 20'-0"

NOTE:
ALL PARKING AREA FOOTCANDLE LEVELS SHALL BE 2 FC MAINTAINED. PARKING AREA LIGHTING (TYPE "OG" & "OH" FIXTURES) SHALL BE FURNISHED AND INSTALLED BY ELEC. CONTR. -- SUBMIT BOTH FIXTURES AND POLES TO "HOME2" FOR APPROVAL PRIOR TO PURCHASING.



1 ELECTRICAL SITE PLAN
1" = 20'-0"

NOTE:
ALL PARKING AREA FOOTCANDLE LEVELS SHALL BE 2 FC MAINTAINED. PARKING AREA LIGHTING (TYPE "OG" & "OH" FIXTURES) SHALL BE FURNISHED AND INSTALLED BY ELEC. CONTR. -- SUBMIT BOTH FIXTURES AND POLES TO "HOME2" FOR APPROVAL PRIOR TO PURCHASING.

DRAWING NOTES

A. PLEASE REFER TO SHEET E000 FOR PROJECT NOTES, LEGEND
SCHEDULES, & DETAILS



IES
INNOVATIVE • ENGINEERING
SERVICES, LLC



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KEY PLAN

Pramukh Vicksburg.
LLC

HOME2suites
Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title

ELECTRICAL - SITE PLAN

Phase
Construction Document

Project No.	19005
Prepared by	PTH
Checked by	RJH
Date	04/02/19

Sheet No.

E101

Released for

HOME2suires Vicksburg

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HOME2suits
Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title

**ELECTRICAL - SITE
PHOTOMETRICS**

Phase
Construction Documents

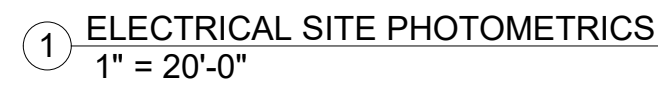
Project No. 19005

Prepared by PTH

Checked by RJH

Date 04/02/19

Released for



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE PLAN	+	2.8 fc	19.3 fc	0.0 fc	N/A	N/A
POOL PLAN	+	5.5 fc	25.2 fc	0.7 fc	36.0:1	7.9:1

POOL EQUIPMENT:

ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS & ELECTRICAL REQUIREMENTS OF ALL POOL EQUIPMENT INCLUDING, BUT NOT LIMITED TO: POOL PUMP OR PUMPS, SPA PUMP OR PUMPS, UNDERWATER POOL LIGHTS, TRANSFORMERS, DEHUMIDIFIERS, CONDENSING UNITS, ETC. PRIOR TO THE ROUGH-IN OF ANY ELECTRICAL EQUIPMENT. ELECTRICAL CONTRACTOR SHALL NOTIFY THE OWNER & ARCHITECT OF ANY CONFLICTS WITH THE ELECTRICAL DESIGN DRAWINGS AND THE EQUIPMENT FURNISHED BY THE OWNER AND THE POOL CONTRACTOR. ALL POOL AREA LIGHTING, EQUIPMENT, AND RECEPTACLE CIRCUITS SHALL HAVE GFCI PROTECTION.

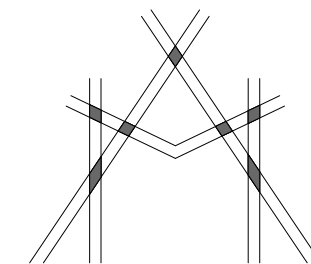
LAUNDRY EQUIPMENT:

ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS & ELECTRICAL REQUIREMENTS OF ALL LAUNDRY EQUIPMENT INCLUDING, BUT NOT LIMITED TO:

COMMERCIAL WASHERS & DRYERS, GUEST WASHERS & DRYERS, WATER SOFTENERS, MOTORIZED LOUVERS, SOAP DISPENSERS, ETC. PRIOR TO THE ROUGH-IN OF ANY ELECTRICAL EQUIPMENT. ELECTRICAL CONTRACTOR SHALL NOTIFY THE OWNER & ARCHITECT OF ANY CONFLICTS WITH THE ELECTRICAL DESIGN DRAWINGS AND OWNER SUPPLIED EQUIPMENT.



INNOVATIVE • ENGINEERING
SERVICES, LLC



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REVISIONS		
No.	Date	Description
1	04/22/19	Owner Request
2	05/06/19	Hilton Comments
3	05/21/19	Added PBX

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KEY PLAN

Pramukh Vicksburg, LLC

HOME2suites
Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title

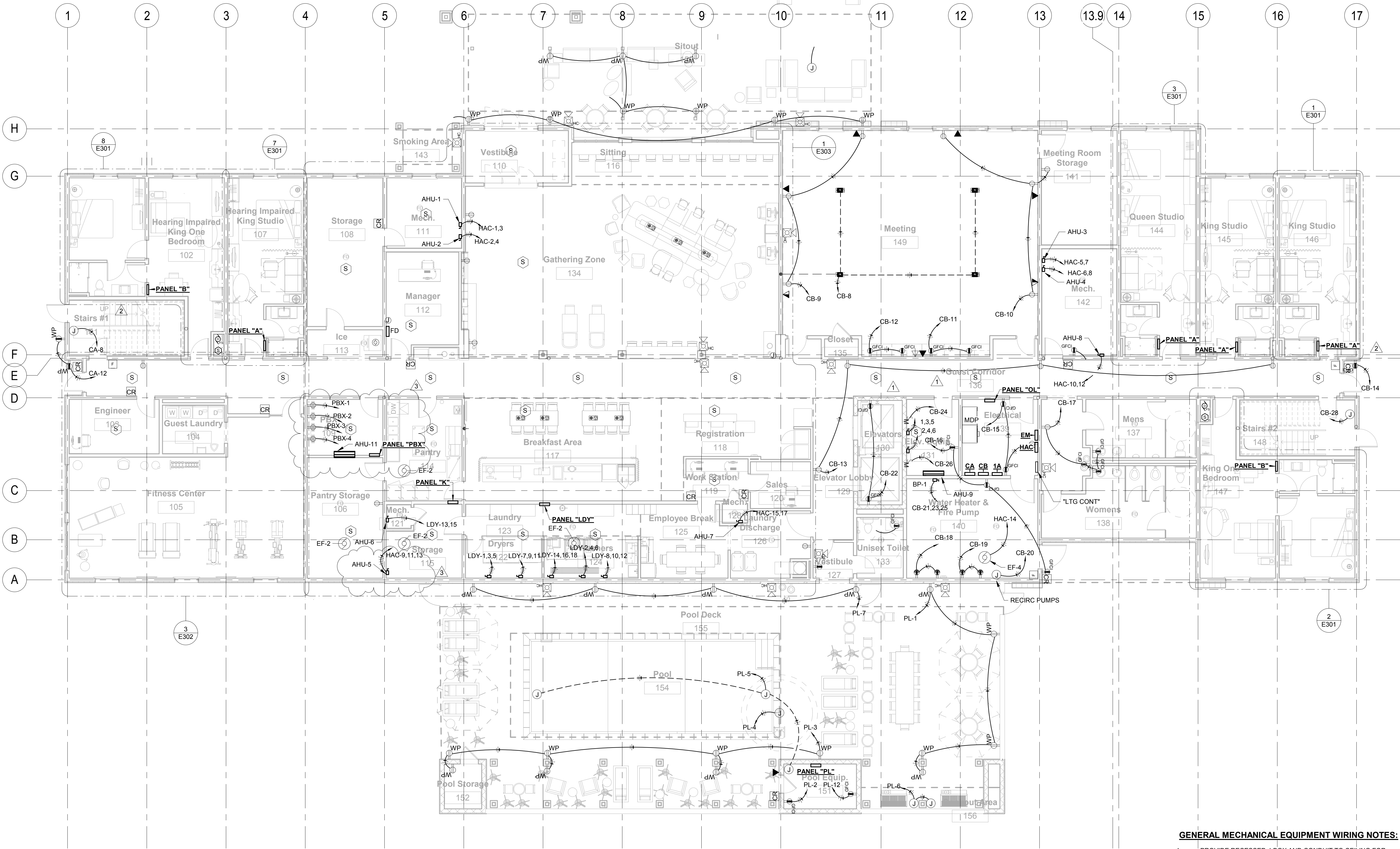
**ELECTRICAL - FIRST
FLOOR POWER PLAN**

Phase
Construction Documents

Project No. 19005
Prepared by PTH
Checked by RJH
Date 04/02/19

Sheet No.
E201

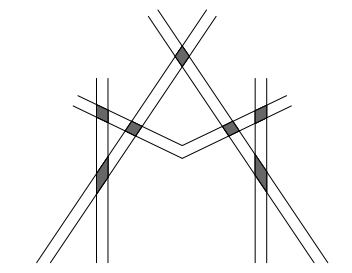
Released for



① FIRST FLOOR PLAN - POWER
1/8" = 1'-0"

GENERAL MECHANICAL EQUIPMENT WIRING NOTES:

- PROVIDE RECESSED J-BOX AND CONDUIT TO CEILING FOR THERMOSTATS AS REQUIRED BY MECHANICAL TRADES.
- SEE PANELBOARD SCHEDULES FOR CIRCUIT NUMBER INFORMATION.
- PROVIDE DISCONNECTS AS SHOWN IN SCHEDULE WITH FLEXIBLE CONNECTION TO VIBRATING EQUIPMENT. MOUNT DISCONNECT ADJACENT TO EQUIPMENT.
- WHILE THE EQUIPMENT SHOWN IS BELIEVED TO BE ACCURATE, VERIFY WIRING AND OVERCURRENT PROTECTION REQUIREMENT AS INDICATED BY NAMEPLATE ON ACTUAL EQUIPMENT INSTALLED. DO NOT CIRCUIT EQUIPMENT UNTIL VERIFICATION IS MADE, THEN CIRCUIT ACCORDINGLY. PROVIDE NEMA 3R DISCONNECTS FOR ALL OUTSIDE UNITS.

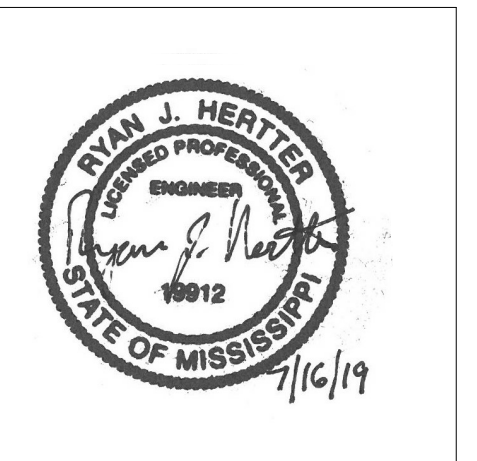


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icksburg, MS 39180

ELECTRICAL - FIRST
LOOR LIGHTING PLAN

Project No.	19005
Prepared by	PTH
Checked by	RJH
Date	04/02/19

Sheet No.
E202

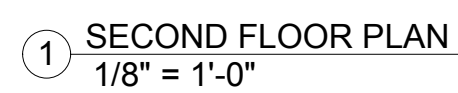
released for

HOME2suits Vicksburg



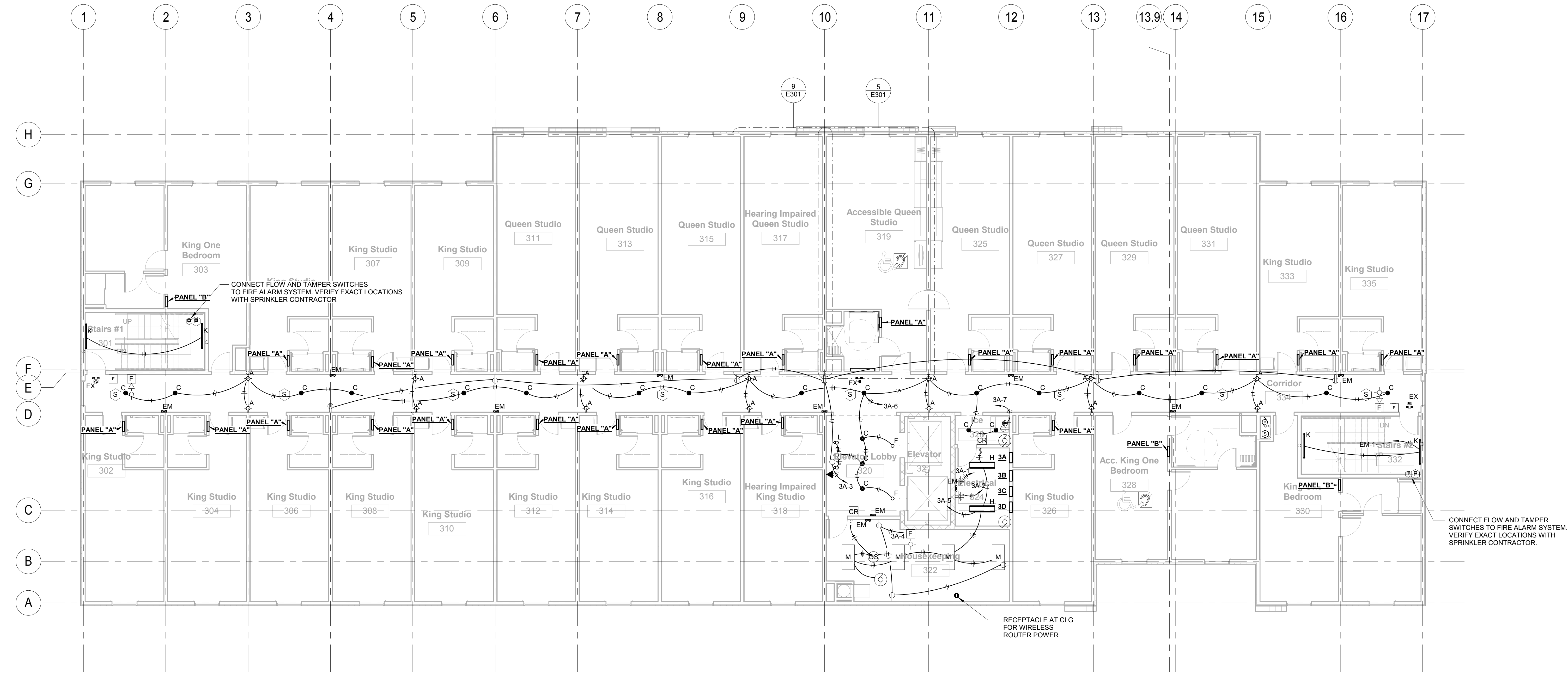
7/17/2019 8:07:16 PM

1. INCREASE THE WIRE SIZE A MINIMUM OF ONE SIZE ON ALL 120V. HOME-RUNS OVER 100 FEET IN LENGTH. INCREASE THE WIRE SIZE A MINIMUM OF ONE SIZE FOR ALL 208V. HOME-RUNS OVER 150 FEET IN LENGTH.
2. VERIFY THE ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR AND HIS SUPPLIER PRIOR TO ROUGH-IN.
3. EMERGENCY LIGHTS IN CORRIDOR SHALL BE WIRED ON A SINGLE CIRCUIT PER FLOOR.
4. WHERE EXIT SIGNS ARE MOUNTED FROM THE CEILING, THERE SHALL ALSO BE LOW LEVEL EXIT SIGNS. THE BOTTOM OF THE SIGN SHALL BE NOT LESS THAN 10" & NO MORE THAN 12" ABOVE THE FLOOR LEVEL. THE SIGN SHALL BE FLUSH MOUNTED TO THE DOOR OR WALL. WHERE MOUNTED ON THE WALL, THE EDGE OF THE SIGN SHALL BE WITHIN 4" OF THE DOOR FRAME ON THE LATCH SIDE.



GENERAL NOTES THIS SHEET:

1. INCREASE THE WIRE SIZE A MINIMUM OF ONE SIZE ON ALL 120V. HOME-RUNS OVER 100 FEET IN LENGTH. INCREASE THE WIRE SIZE A MINIMUM OF ONE SIZE FOR ALL 208V. HOME-RUNS OVER 150 FEET IN LENGTH.
2. VERIFY THE ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR AND HIS SUPPLIER PRIOR TO ROUGH-IN.
3. EMERGENCY LIGHTS IN CORRIDOR SHALL BE WIRED ON A SINGLE CIRCUIT PER FLOOR.
4. WHERE EXIT SIGNS ARE MOUNTED FROM THE CEILING, THERE SHALL ALSO BE LOW LEVEL EXIT SIGNS. THE BOTTOM OF THE SIGN SHALL BE NOT LESS THAN 10" & NO MORE THAN 12" ABOVE THE FLOOR LEVEL. THE SIGN SHALL BE FLUSH MOUNTED TO THE DOOR OR WALL. WHERE MOUNTED ON THE WALL, THE EDGE OF THE SIGN SHALL BE WITHIN 4" OF THE DOOR FRAME ON THE LATCH SIDE.



1 THIRD FLOOR PLAN
1/8" = 1'-0"

REVISIONS		
No.	Date	Description

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KEY PLAN

Pramukh Vicksburg, LLC

HOME2suites
Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title

ELECTRICAL - THIRD
FLOOR PLAN

Phase

Construction Documents

Project No. 19005

Prepared by PTH

Checked by RJH

Date 04/02/19

Released for

Sheet No.

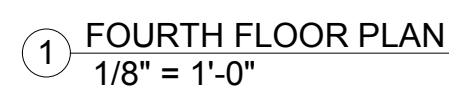
E204

Released for

RYAN J. HEATTER
ENGINEER
LICENSED PROFESSIONAL
19912
STATE OF MISSISSIPPI
4/2/19

Released for

1. INCREASE THE WIRE SIZE A MINIMUM OF ONE SIZE ON ALL 120V. HOME-RUNS OVER 100 FEET IN LENGTH. INCREASE THE WIRE SIZE A MINIMUM OF ONE SIZE FOR ALL 208V. HOME-RUNS OVER 150 FEET IN LENGTH.
2. VERIFY THE ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR AND HIS SUPPLIER PRIOR TO ROUGH-IN.
3. EMERGENCY LIGHTS IN CORRIDOR SHALL BE WIRED ON A SINGLE CIRCUIT PER FLOOR.
4. WHERE EXIT SIGNS ARE MOUNTED ON THE CEILING, THERE SHALL ALSO BE LOW LEVEL EXIT SIGNS. THE BOTTOM OF THE SIGN SHALL BE NOT LESS THAN 10" & NO MORE THAN 12" ABOVE THE FLOOR LEVEL. THE SIGN SHALL BE FLUSH MOUNTED TO THE FLOOR OR WALL. WHERE MOUNTED ON THE WALL, THE EDGE OF THE SIGN SHALL BE WITHIN 4" OF THE DOOR FRAME ON THE LATCH SIDE.

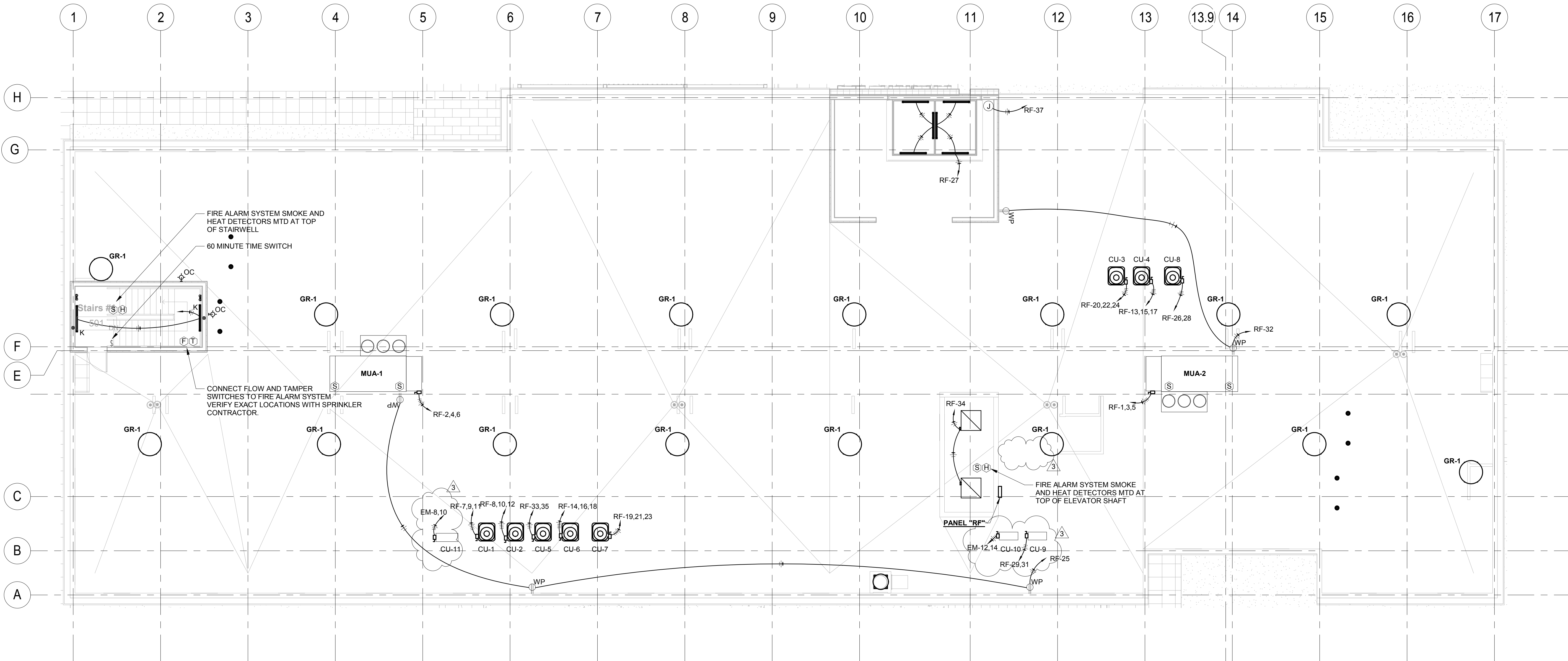


LIGHTNING PROTECTION SYSTEM:

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES TO PROVIDE A COMPLETE LIGHTNING PROTECTION SYSTEM ON THIS BUILDING. THE SYSTEM SHALL INCLUDE ROOF MOUNTED AIR TERMINALS, INTERCONNECTING CONDUCTORS, DOWN CONDUCTORS TO GROUND,

APPROPRIATE GROUND TERMINALS, INTERCONNECTING CONDUCTORS, GROUNDED BUILDING SYSTEMS THAT WILL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION LIGHTNING CODE NO. 78. A REPRESENTATIVE OF THE OWNER AND THE INSTALLING CONTRACTOR SHALL COMPLETE THE LIGHTNING PROTECTION INSTITUTE INSPECTION REPORT DURING CONSTRUCTION.

ANY COMPONENTS OR METHODS FOUND NOT IN COMPLIANCE WITH THIS SPECIFICATION SHALL BE REPAIRED OR REPLACED AT THE SATISFACTION OF THE OWNER'S REPRESENTATIVE BEFORE SUBMITTAL OF THE L.P.I. INSPECTION REPORT AND DELIVERY OF THE L.P.I. CERTIFIED SYSTEM LABEL.



1. PROVIDE RECESSED J-BOX AND CONDUIT TO CEILING FOR THERMOSTATS AS REQUIRED BY MECHANICAL TRADES.
2. SEE PANELBOARD SCHEDULES FOR CIRCUIT NUMBER INFORMATION.
3. PROVIDE DISCONNECTS AS SHOWN IN SCHEDULE WITH FLEXIBLE CONNECTION TO VIBRATING EQUIPMENT. MOUNT DISCONNECT ADJACENT TO EQUIPMENT.
4. WHILE THE EQUIPMENT SHOWN IS BELIEVED TO BE ACCURATE, VERIFY WIRING AND OVERCURRENT PROTECTION REQUIREMENTS AS INDICATED BY NAMEPLATE ON ACTUAL EQUIPMENT INSTALLED. DO NOT CIRCUIT EQUIPMENT UNTIL VERIFICATION IS MADE, THEN CIRCUIT ACCORDINGLY. PROVIDE NEMA 3R DISCONNECTS FOR ALL OUTSIDE UNITS.

1 ROOF PLAN
1/8" = 1'-0"

REVISIONS		
No.	Date	Description
3	05/21/19	Added PBX

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Pramukh Vicksburg, LLC

HOME2suites
Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL ROOF PLAN

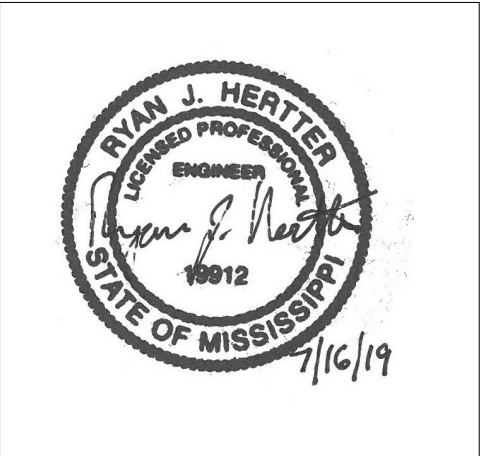
Phase
Construction Documents

Project No.	19005	Sheet No.	E206
Prepared by	PTH		
Checked by	RJH		
Date	04/02/19		

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REVISIONS		
No.	Date	Description
4	07/16/19	Code Response

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KEY PLAN

Pramukh Vicksburg.
LLC

HOME2suites
Vicksburg

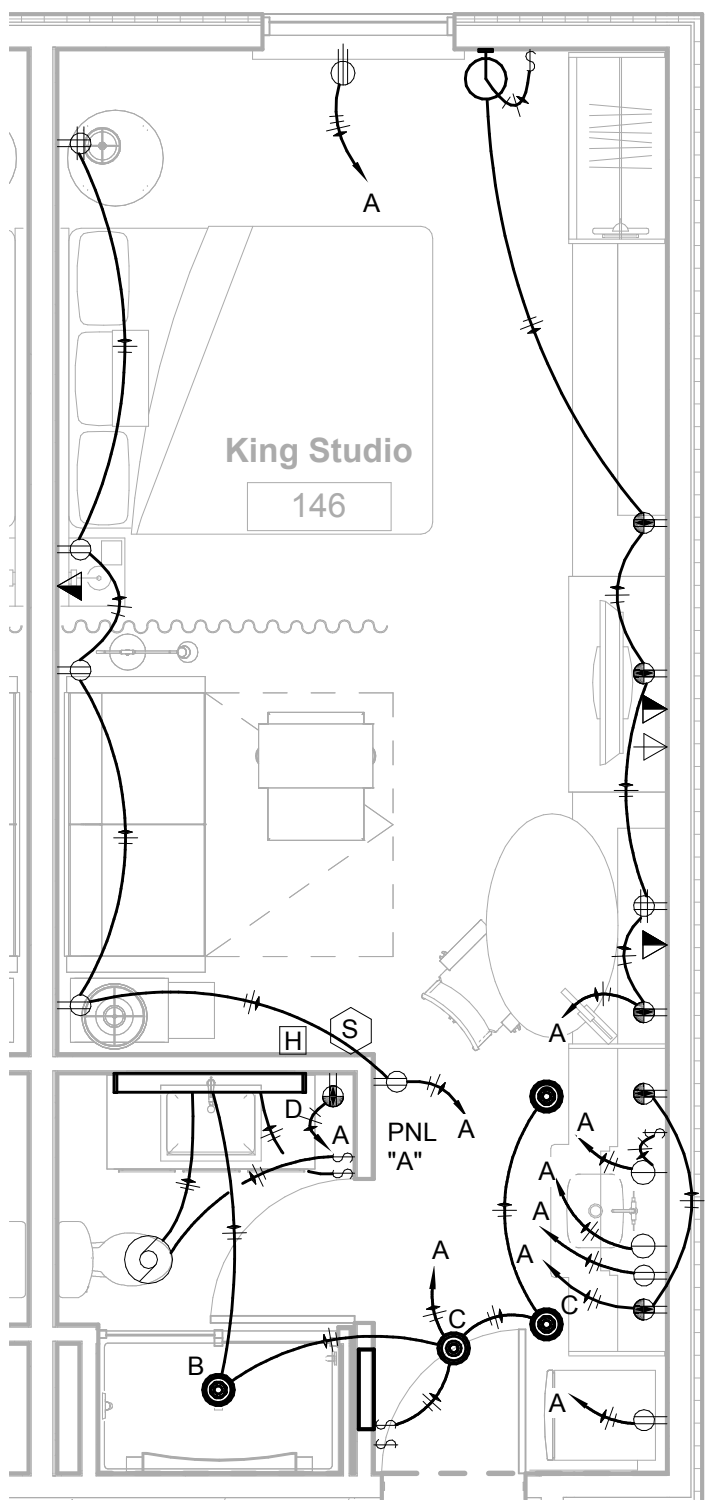
Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL TYPICAL
ROOM ENLARGED

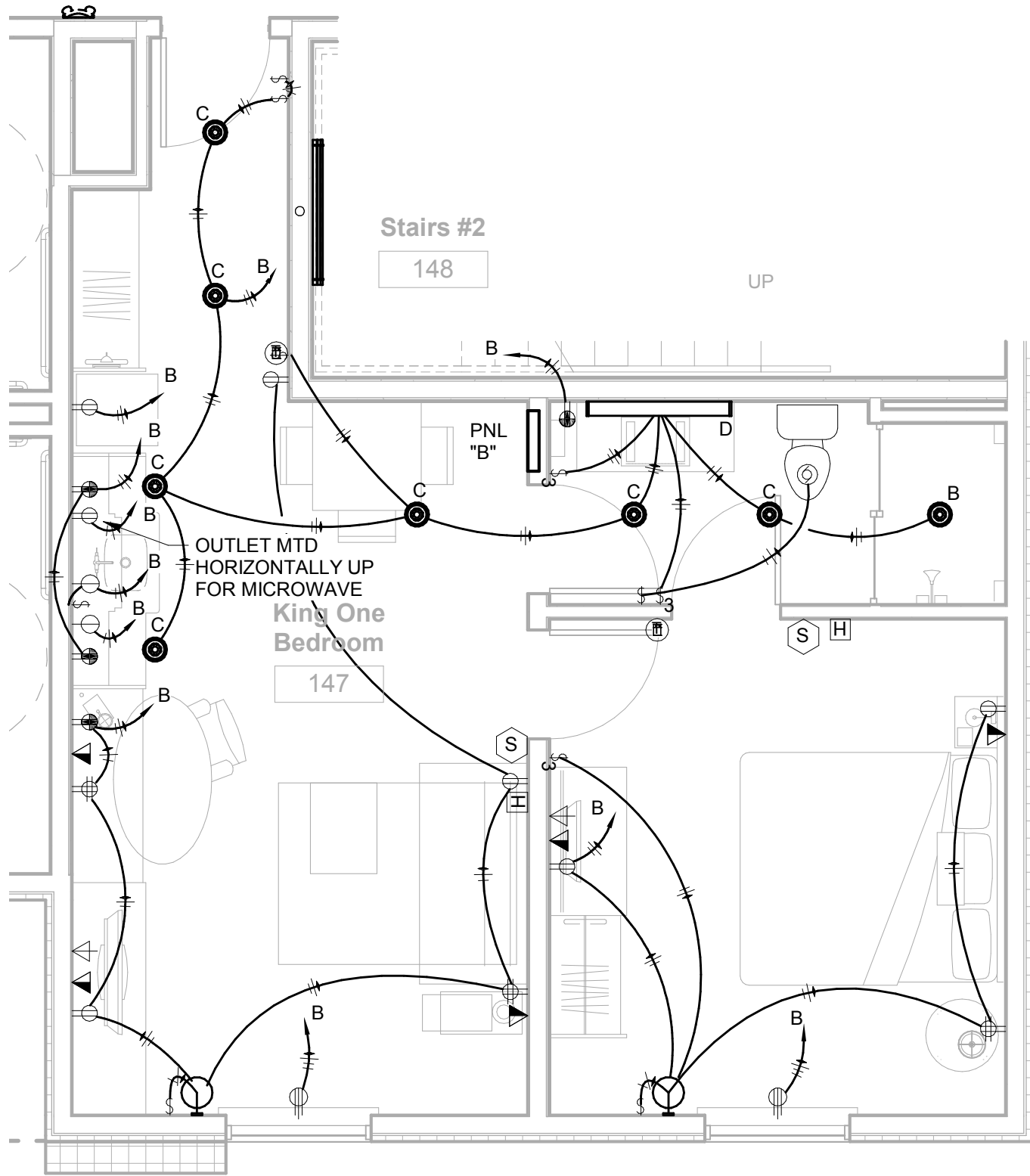
Phase
Construction Documents

Project No.	19005	Sheet No.	E301
Prepared by	PTH		
Checked by	RJH		
Date	04/02/19		

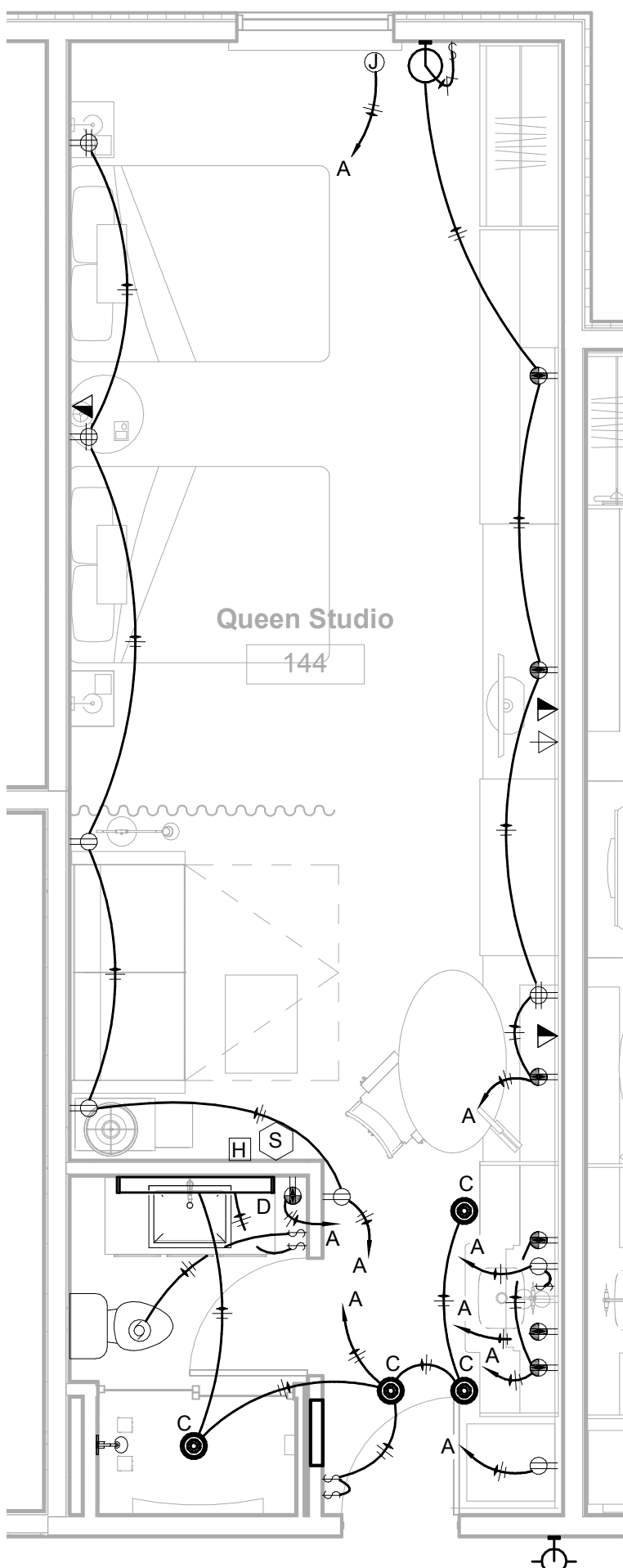
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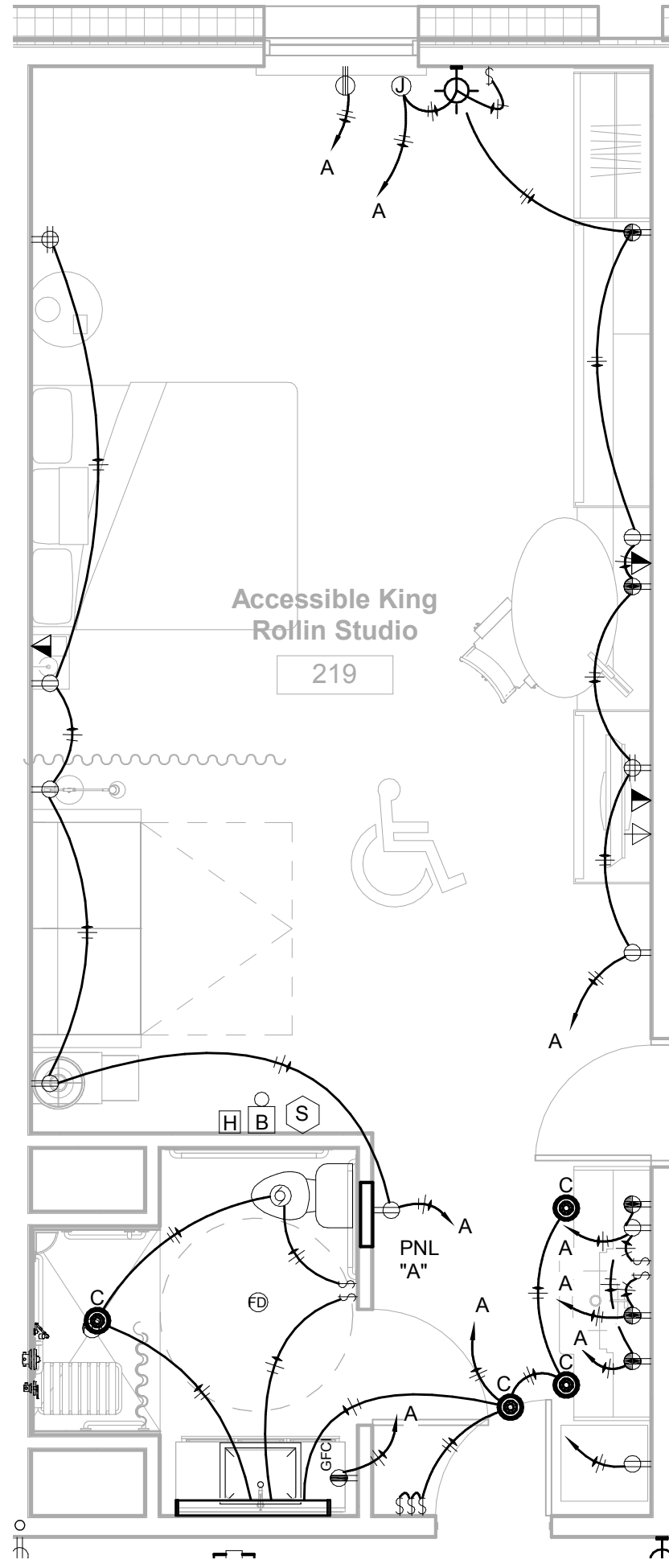
1 KING STUDIO
1/4" = 1'-0"



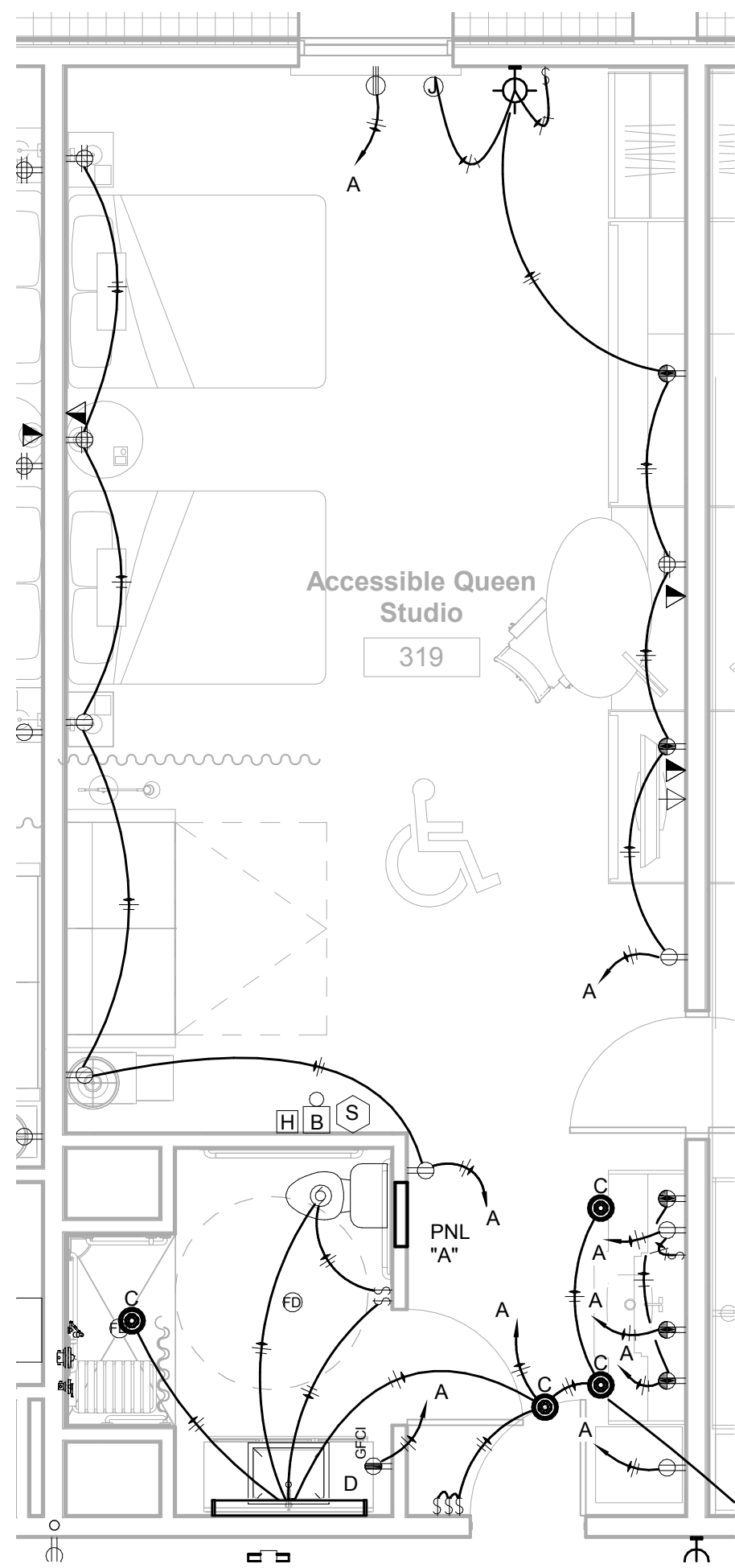
2 KING ONE BEDROOM
1/4" = 1'-0"



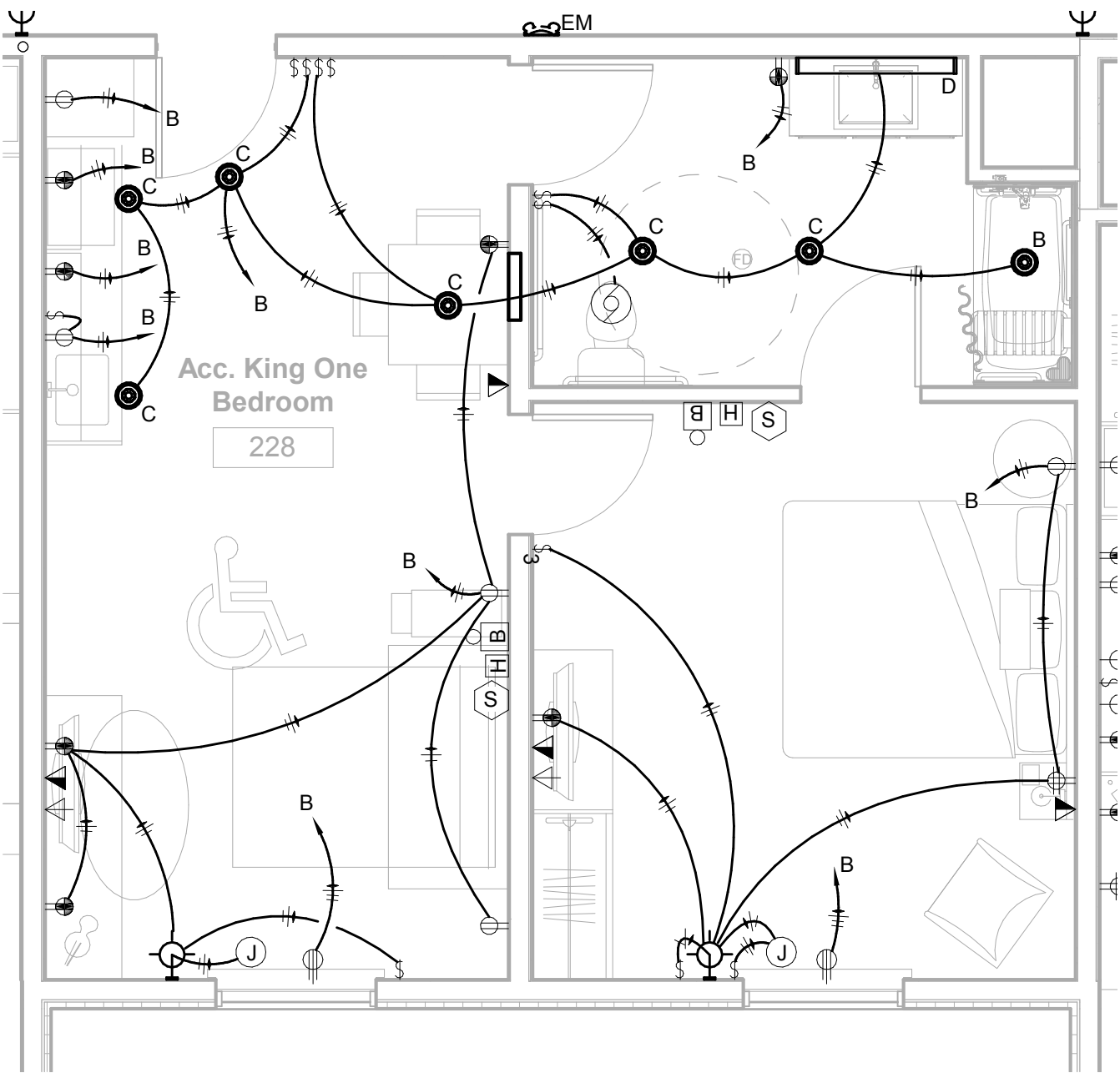
3 DOUBLE QUEEN STUDIO
1/4" = 1'-0"



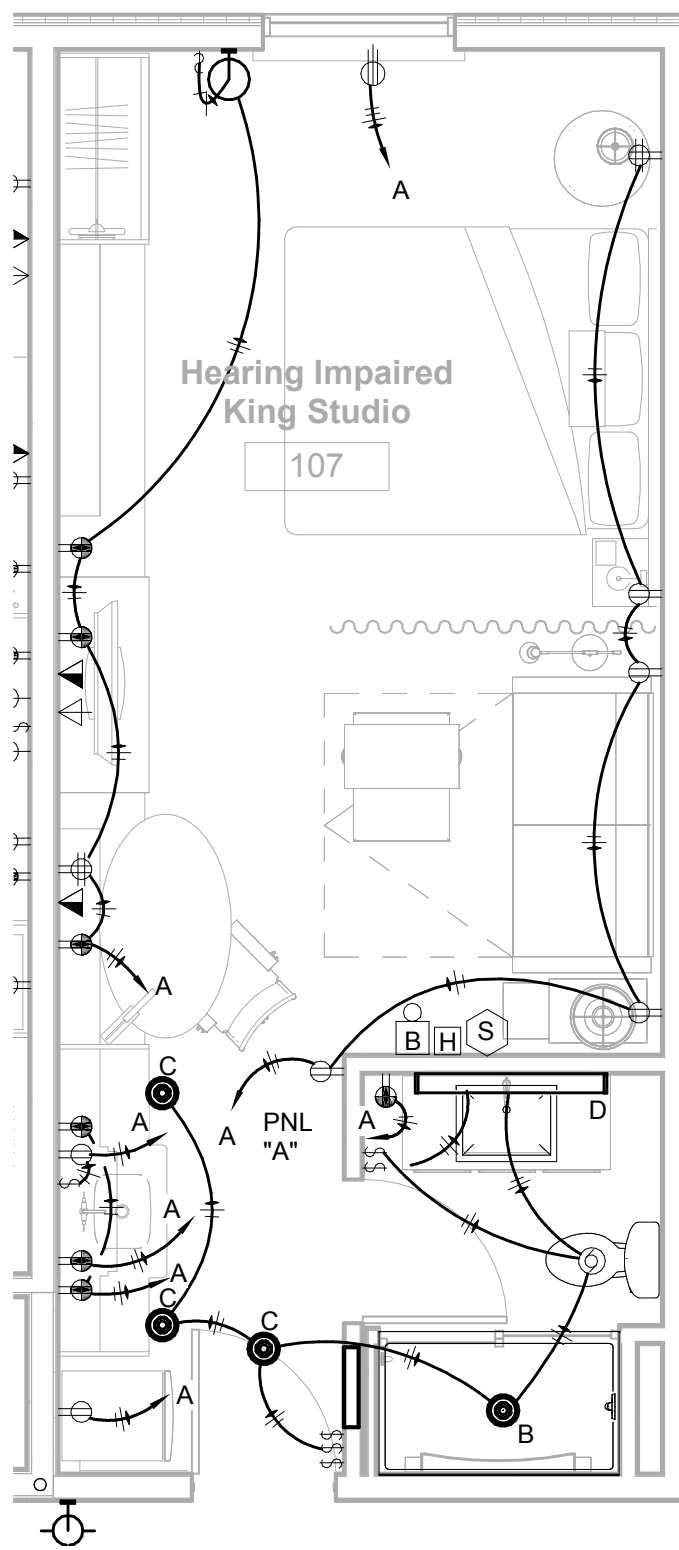
4 ACCESSIBLE KING ROLLIN STUDIO
1/4" = 1'-0"



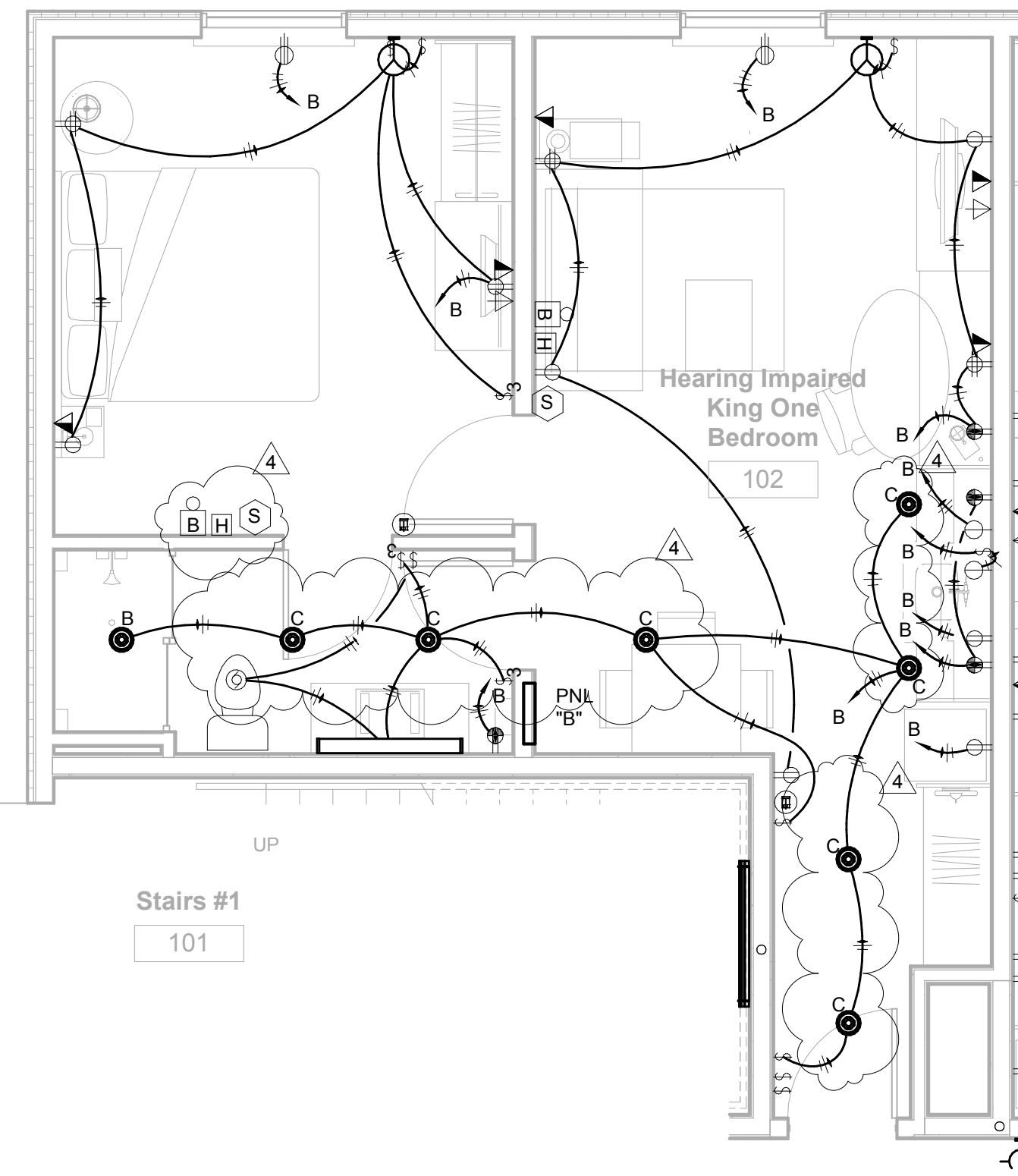
5 ACCESSIBLE QUEEN STUDIO
1/4" = 1'-0"



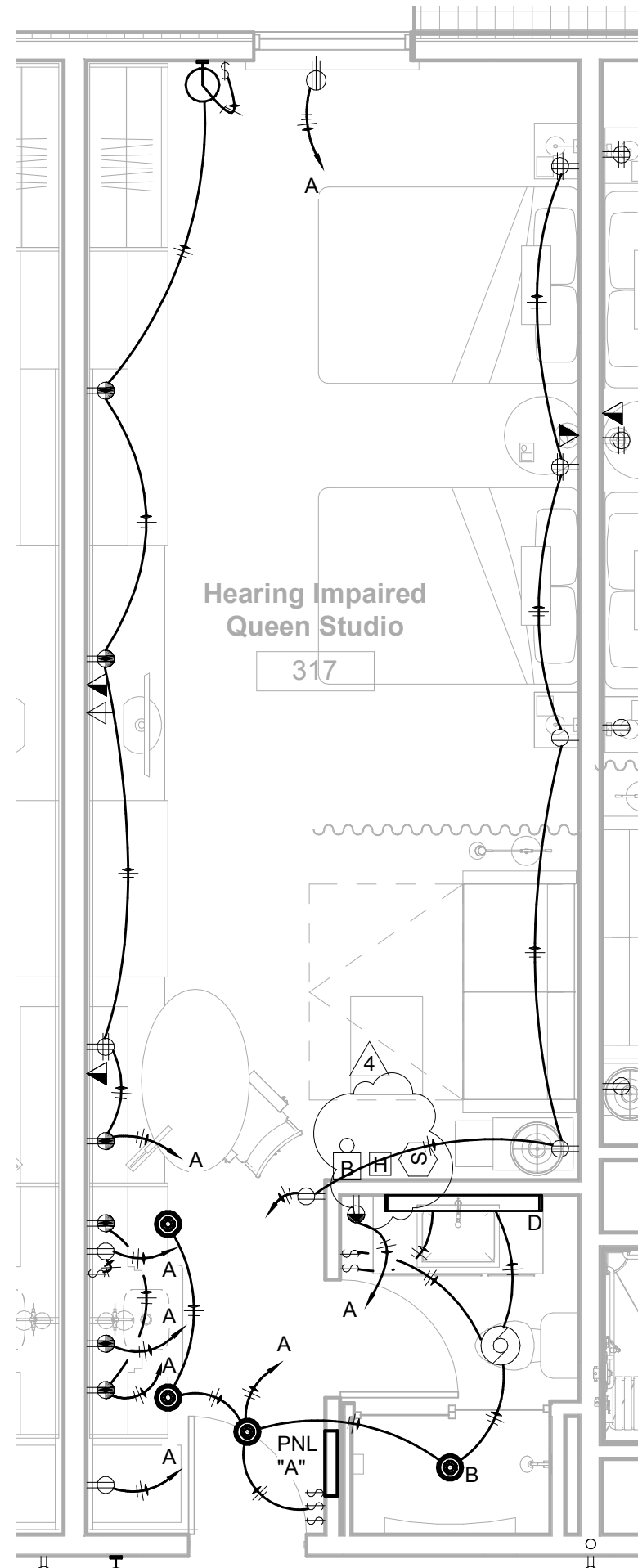
6 ACCESSIBLE KING ONE BEDROOM
1/4" = 1'-0"



7 HEARING IMPAIRED KING STUDIO
1/4" = 1'-0"



8 HEARING IMPAIRED KING ONE
BEDROOM (HI)
1/4" = 1'-0"



9 HEARING IMPAIRED QUEEN STUDIO
1/4" = 1'-0"

REVISIONS		
No.	Date	Description
4	07/16/19	Code Response

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KEY PLAN

Pramukh Vicksburg.
LLC

HOME2suites
Vicksburg

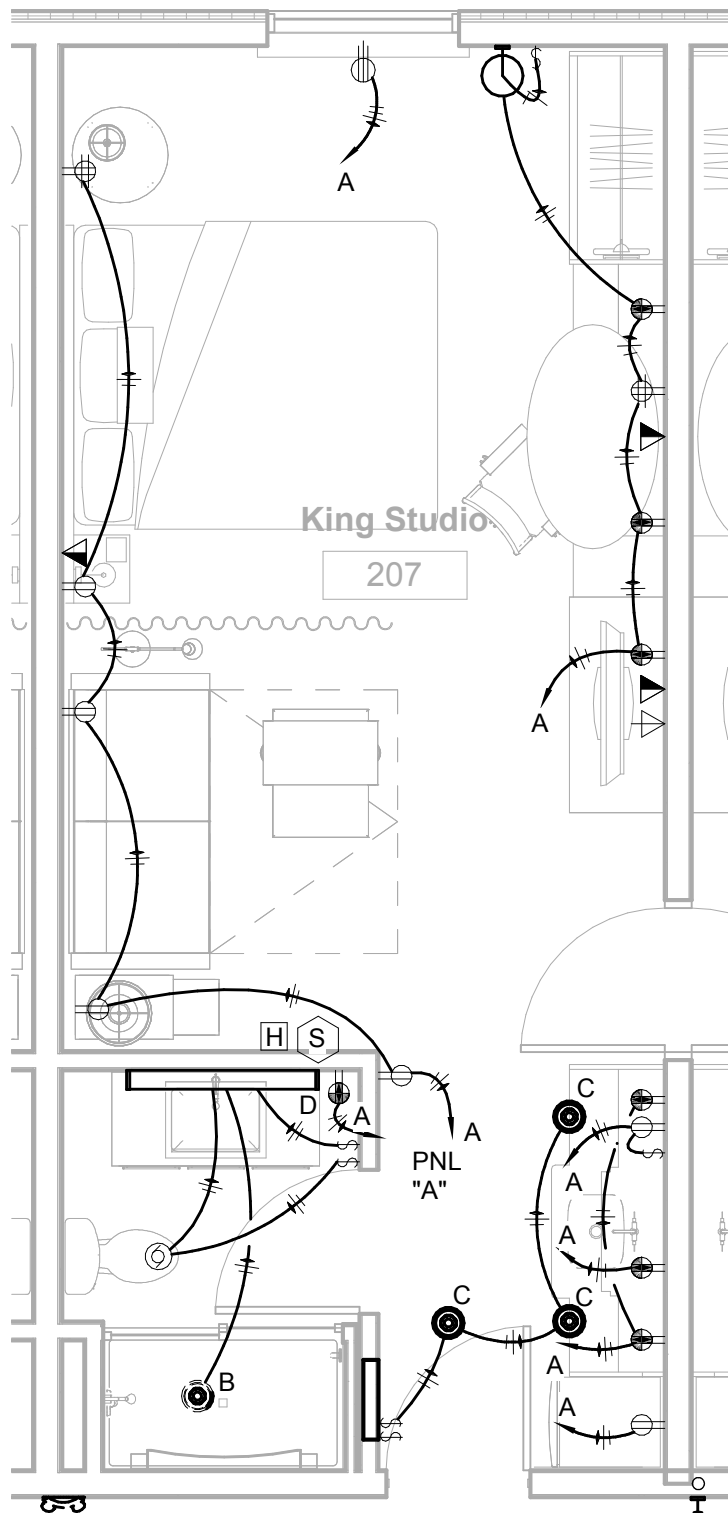
Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL TYPICAL
ROOM ENLARGED

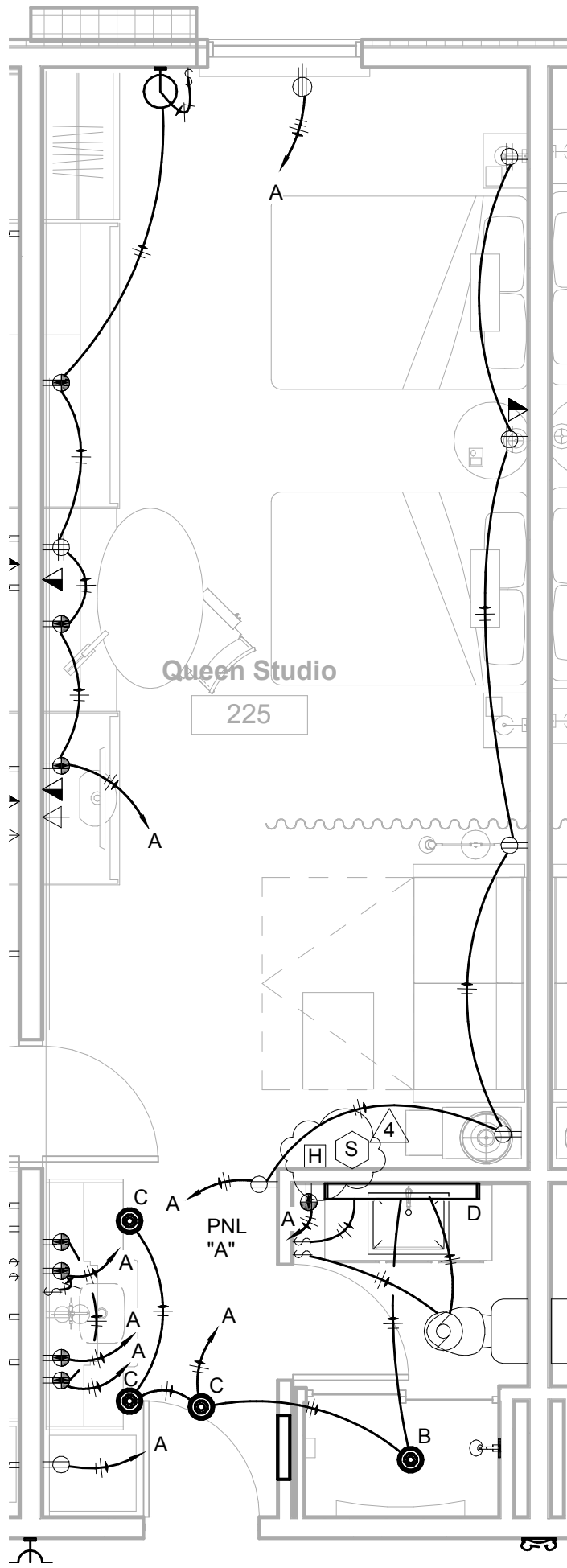
Phase
Construction Documents

Project No.	19005	Sheet No.	E302
Prepared by	PTH		
Checked by	RJH		
Date	04/02/19		

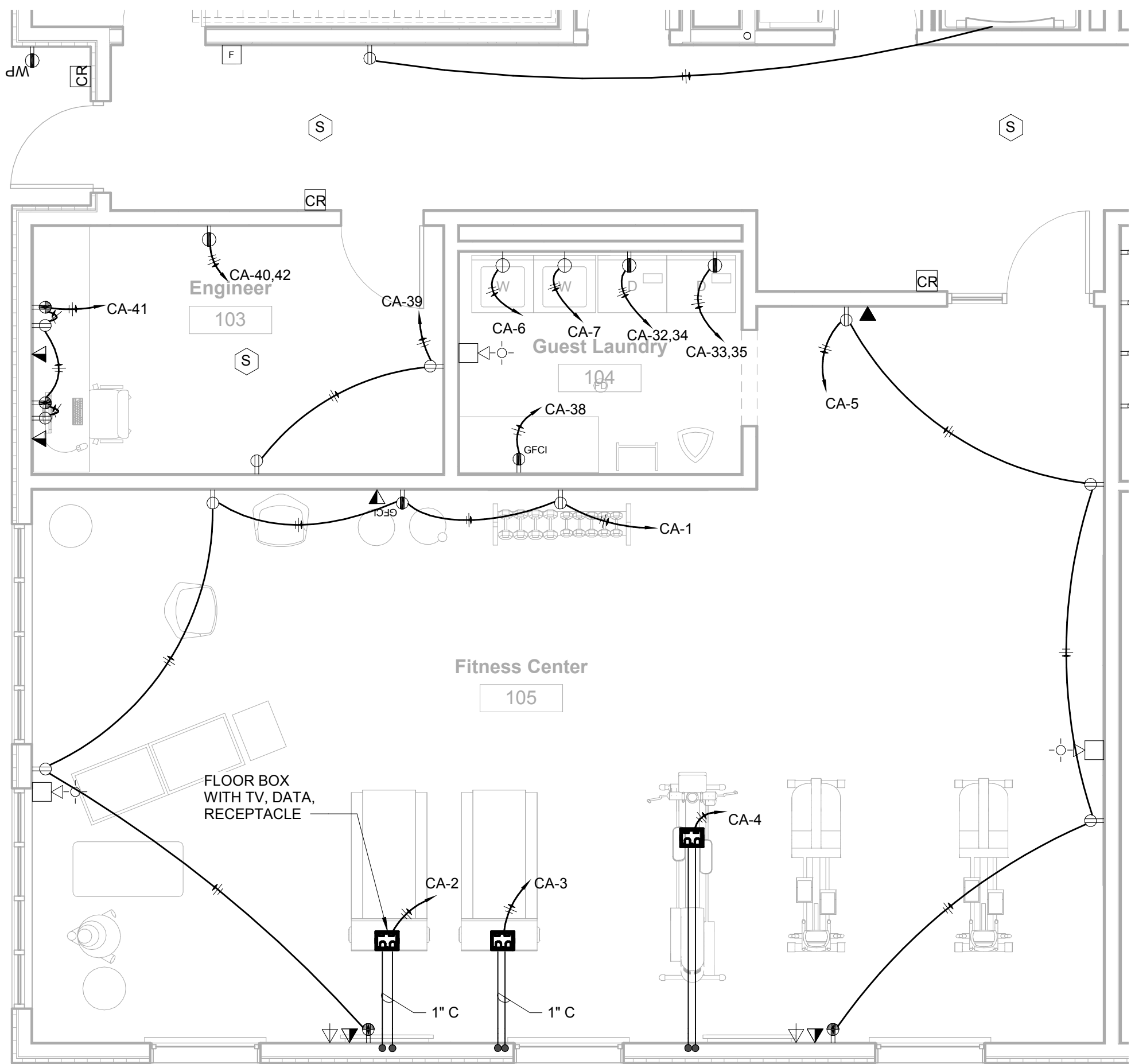
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1 KING STUDIO CONNECTING
1/4" = 1'-0"



2 QUEEN STUDIO CONNECTOR
1/4" = 1'-0"



3 FITNESS CENTER & GUEST LAUNDRY
1/4" = 1'-0"

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LLC

HOME2suits
Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title

ELECTRICAL ENLARGED
FIRST FLOOR COMMON
AREA

Phase
Construction Documents

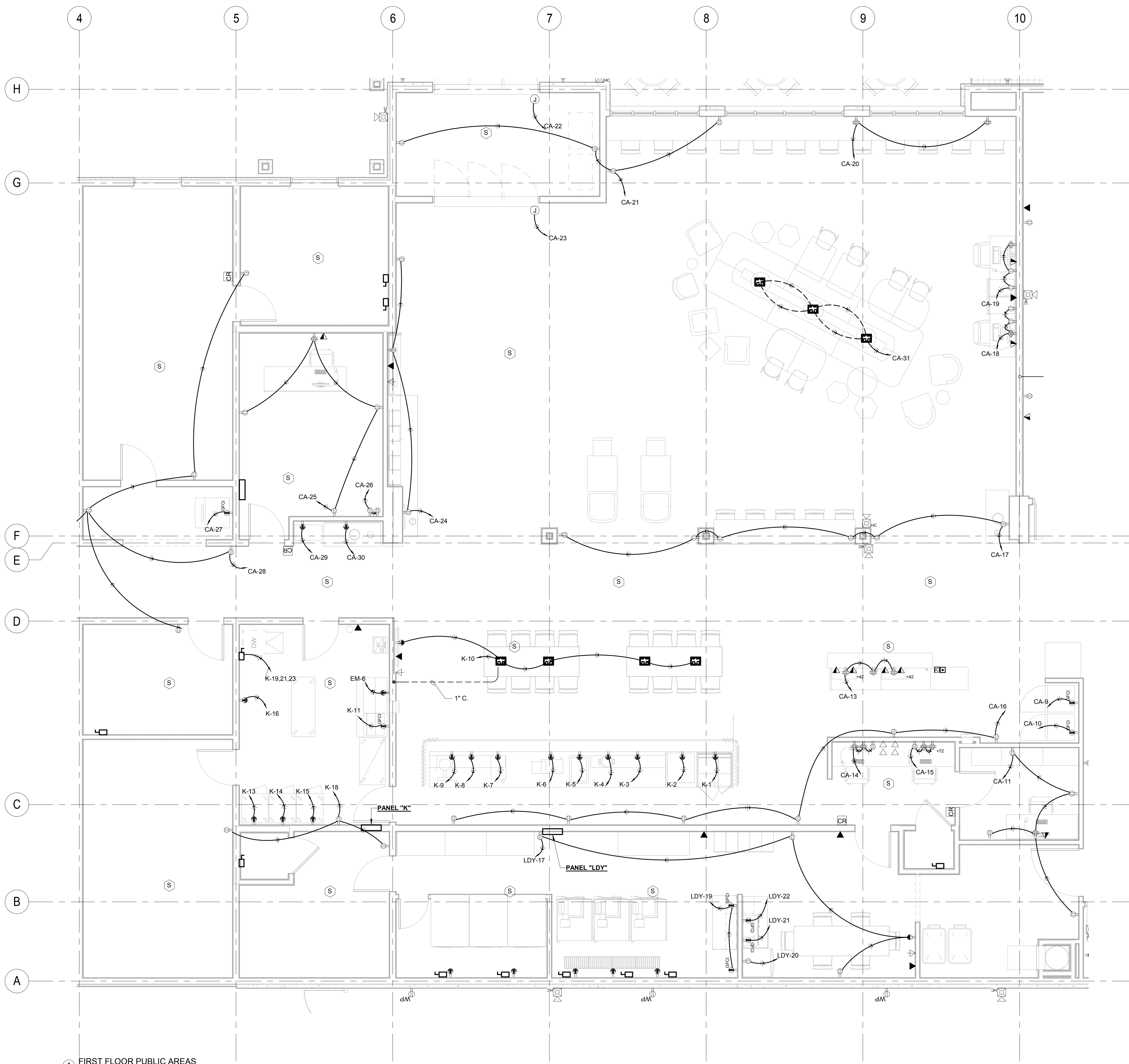
Project No. 19005

Prepared by	BTH
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Checked by	P III
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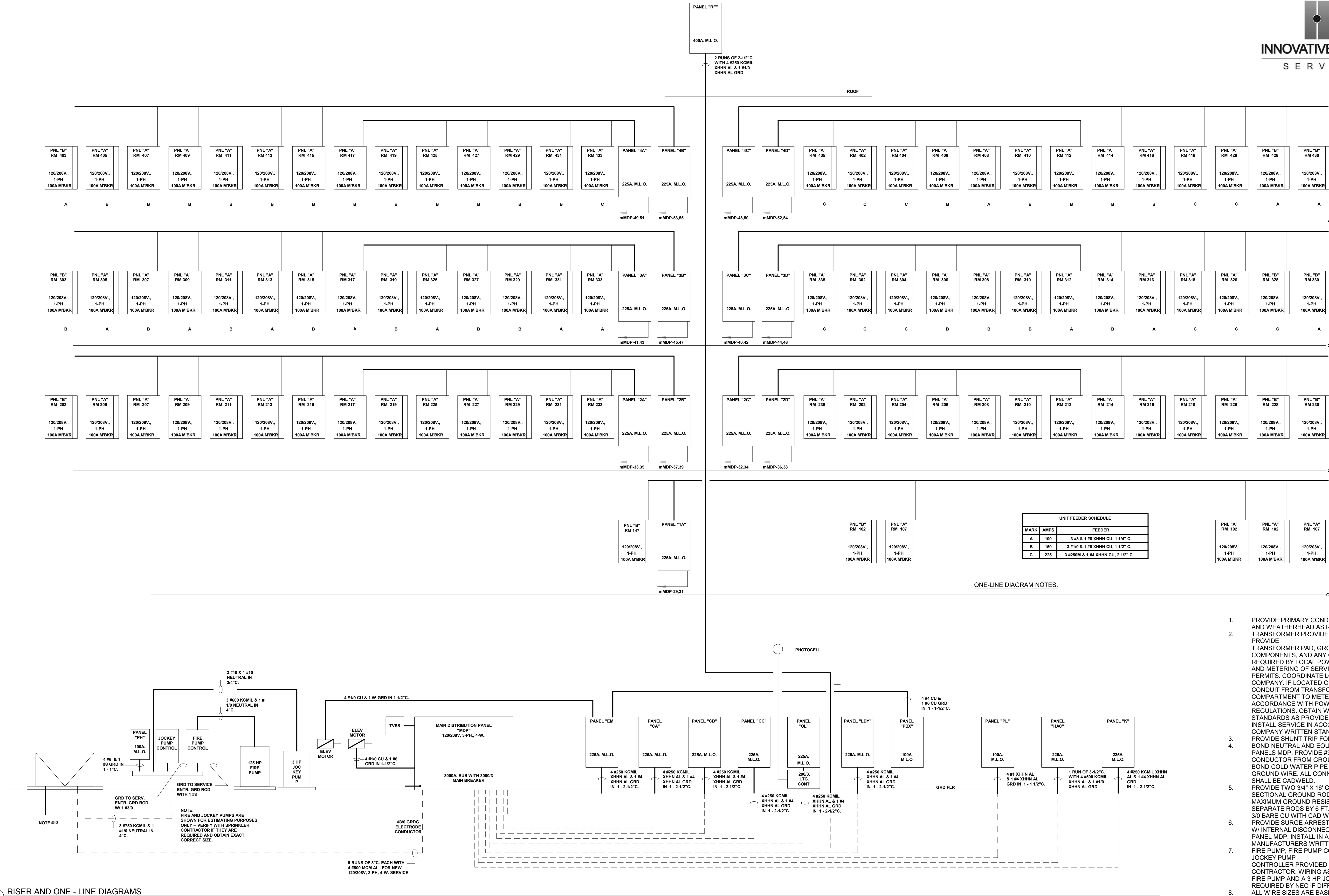
Date	04/08/18
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Released for



1 FIRST FLOOR PUBLIC AREAS
1/4" = 1'-0"

1 RISER AND ONE - LINE DIAGRAMS
N.T.S.



REVISIONS		
No.	Date	Description

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KEY PLAN

Pramukh Vicksburg, LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - ONE LINE DIAGRAM

Phase
Construction Documents

Project No	19005	Sheet No.	E401
Prepared by	PTH		
Checked by	RJH		
Date	04/02/19		

Released for

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Pramukh Vicksburg.
LLC

HOME2suites
Vicksburg

Drawing Title

Phase
Construction Documents

Project No.	19005	Sheet No.	E402
Prepared by	PTH		
Checked by	RJH		
Date	04/02/19		

HOME2suites Vicksburg

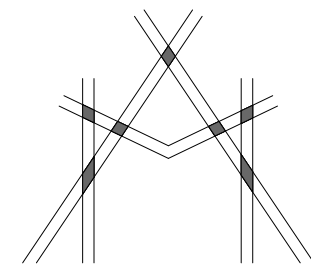
Notes:

Notes:

HOME2 - WICKSBURG, MS -- ELECTRICAL LOAD ANALYSIS	
GUEST ROOMS:	87 / 51,337 FT2
LIGHTS AND RECEPTACLES	154,011 VA
KITCHEN CIRCUITS	261,000 VA
DISPOSAL CIRCUITS	104,440 VA
MICROWAVE CIRCUITS	104,440 VA
PTAC UNITS	294,000 VA
TOTAL LOAD =	917,891 VA
TOTAL DEMAND LOAD (23%) NEC 220-84 =	211,115 VA
COMMERCIAL ROOMS:	10,311 FT2
EXTERIOR LIGHTING	3,600 VA
COMMERCIAL AREA LIGHTING	12,000 VA
COMMERCIAL AREA RECEPTACLES	20,600 VA
KITCHEN EQUIPMENT (65%)	37,245 VA
VENDING MACHINES	9,600 VA
HOUSE PUMPS	26,640 VA
JOCKEY PUMP	6,000 VA
ELEVATORS	141,120 VA
MAKE-UP AIR UNIT	93,000 VA
CONDENSING UNITS	40,056 VA
A/C UNITS	73,640 VA
CIRC. PUMPS AND CONTROLS	2,500 VA
COMMERCIAL WASHERS	13,500 VA
COMMERCIAL DRYERS	9,000 VA
COIN-OP WASHERS	3,000 VA
COIN-OP DRYERS	10,000 VA
POOL PUMP	6,000 VA
EXHAUST FANS	4,270 VA
TOTAL LOAD =	503,131 VA
GRAND TOTAL LOAD =	1,984 A @ 208/3

Notes:

Notes:



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[illegible]

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KEY PLAN

Pramukh Vicksburg.
LLC

HOME2suits
Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title

**ELECTRICAL - PANEL
SCHEDULES**

Phase
Construction Documents

Project No.	19005
Prepared by	PTH
Checked by	RJH
Date	04/02/19

Released for

[illegible]

Branch Panel: PANEL "K"

Location: Pantry 114

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 22K

Mains Type:

Mains Rating: 250 A

MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	
K-1	Receptacle	20 A	1	180 VA	180 VA					1	20 A	Receptacle	K-2	
K-3	Receptacle	20 A	1			180 VA	180 VA			1	20 A	Receptacle	K-4	
K-5	Receptacle	20 A	1					180 VA	180 VA	1	20 A	Receptacle	K-6	
K-7	Receptacle	20 A	1	180 VA	180 VA					1	20 A	Receptacle	K-8	
K-9	Receptacle	20 A	1			180 VA	180 VA			1	20 A	Other	K-10	
K-11	Receptacle	20 A	1					180 VA					K-12	
K-13	Receptacle	20 A	1	180 VA	180 VA					1	20 A	Receptacle	K-14	
K-15	Receptacle	20 A	1			180 VA	180 VA			1	20 A	Receptacle	K-16	
K-17		20 A	1					678 VA	540 VA	1	20 A	Receptacle	K-18	
K-19	Power	20 A	3	8000...		8000...							K-20	
K-21													K-22	
K-23								8000...						K-24
K-25														K-26
K-27														K-28
K-29														K-30
K-31														K-32
K-33														K-34
K-35														K-36
K-37														K-38
K-39														K-40
K-41														
Total Load:				9080 VA		9080 VA		9742 VA						
Total Amps:				76 A		76 A		81 A						

Legend:

Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals		
Lighting - Dwelling Unit				480 VA		100.00%		480 VA				
Other				0 VA		0.00%		0 VA				
Receptacle				3240 VA		100.00%		3240 VA		Total Conn. Load: 27901 VA		
Power				24000 VA		100.00%		24000 VA		Total Est. Demand: 27953 VA		
Lighting				205 VA		125.00%		256 VA		Total Conn.: 77 A		
										Total Est. Demand: 78 A		

Notes:

Branch Panel: PANEL "LDY"

Location: Laundry 123

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 22K

Mains Type:

Mains Rating: 250 A

MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT				
LDY-1	DRYER	30 A	3	1500...	1500...					3	30 A	WASHER	LDY-2				
LDY-3						1500...	1500...						LDY-4				
LDY-5								1500...	1500...				LDY-6				
LDY-7				1500...	1500...								LDY-8				
LDY-9	DRYER	30 A	3			1500...	1500...			3	30 A	WASHER	LDY-10				
LDY-11								1500...	1500...				LDY-12				
LDY-13													LDY-14				
LDY-15				4990...	1500...								LDY-16				
LDY-17	AHU-6	60 A	2			4990...	1500...			3	30 A	WASHER	LDY-18				
LDY-19				20 A	1			720 VA	1500...				LDY-20				
LDY-21				20 A	1	360 VA	615 VA						LDY-22				
LDY-23				20 A	1			180 VA	180 VA				LDY-24				
LDY-25	Receptacle									1	20 A	Refrigerator Receptacle	LDY-26				
LDY-27													LDY-28				
LDY-29													LDY-30				
LDY-31													LDY-32				
LDY-33													LDY-34				
LDY-35													LDY-36				
LDY-37													LDY-38				
LDY-39													LDY-40				
LDY-41													LDY-42				
Total Load:				13465 VA		12850 VA		8220 VA									
Total Amps:				118 A		113 A		69 A									

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	1440 VA	100.00%	1440 VA	Total Conn. Load: 34535 VA	Total Est. Demand: 34535 VA
Power	32480 VA	100.00%	32480 VA		
Refrigerator	615 VA	100.00%	615 VA		
				Total Conn.: 96 A	Total Est. Demand: 96 A

Notes:

Branch Panel:"OL"

Location: Electrical 139

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 22K

Mains Type:

Mains Rating: 150 A

MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
OL-1	Lighting	20 A	1	0 VA	3600...					1	20 A	Lighting - Exterior	OL-2
OL-3	Lighting - Exterior	20 A	1			2000...	2400...			1	20 A	Lighting - Exterior	OL-4
OL-5	Power	20 A	1					500 VA	180 VA	1	20 A	Receptacle	OL-6
OL-7		20 A	1	812 VA	0 VA					1	20 A	Lighting	OL-8
OL-9		20 A	1			700 VA							OL-10
OL-11													OL-12
OL-13													OL-14
OL-15													OL-16
OL-17													OL-18
OL-19													OL-20
OL-21													OL-22
OL-23													OL-24
OL-25													OL-26
OL-27													OL-28
OL-29													OL-30
Total Load:				4388 VA		5100 VA		680 VA					
Total Amps:				41 A		47 A		6 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Dwelling Unit	820 VA	100.00%	820 VA		
Lighting - Exterior	8000 VA	125.00%	10000 VA	Total Conn. Load:	10137 VA
Receptacle	180 VA	100.00%	180 VA	Total Est. Demand:	12303 VA
Power	500 VA	100.00%	500 VA	Total Conn.:	28 A
Lighting	697 VA	125.00%	871 VA	Total Est. Demand:	34 A

Notes:

Branch Panel: PANEL "RF"

Location:

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating:

Mains Type:

Mains Rating: 400 A

MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
RF-1	MUA-1	175 A	3	1550...	1550...			3	175 A	MUA-2
RF-3					1550...	1550...				
RF-6						1550...	1550...			
RF-7	CU-1	20 A	3	1440...	1440...			3	20 A	CU-2
RF-9					1440...	1440...				
RF-11						1440...	1440...			
RF-13	CU-4	20 A	3	1440...	1440...			3	20 A	CU-6
RF-15					1440...	1440...				
RF-17						1440...	1440...			
RF-19	CU-7	20 A	3	1440...	1440...			3	20 A	CU-3
RF-21					1440...	1440...				
RF-23						1440...	1440...			
RF-25	Roof Receptacles	20 A	1	540 VA	1456...			2	20 A	CU-8
RF-27	Roof Lighting	20 A	1		144 VA	1456...				
RF-29	CU-9	20 A	2			1350...	0 VA	1	20 A	Spare
RF-31				1350...	360 VA			1	20 A	Roof Receptacles
RF-33					2912...	400 VA		1	20 A	Motorized Dampers
RF-35	CU-5	20 A	2			2912...	1350...			
RF-37	Sign	20 A	1	500 VA	1350...			2	20 A	CU-10
RF-39	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare
RF-41	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare
Total Load:				45196 VA	44552 VA	45252 VA				
Total Amps:				377 A	371 A	378 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Other	400 VA	100.00%	400 VA	
Receptacle	900 VA	100.00%	900 VA	Total Conn. Load: 135000 VA
Power	133556 VA	100.00%	133556 VA	Total Est. Demand: 135036 VA
Lighting	144 VA	125.00%	180 VA	Total Conn.: 375 A
				Total Est. Demand: 375 A

Notes:

Branch Panel: 1A

Location: Electrical 139

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 10K

Mains Type: MLO

Mains Rating: 250 A

MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1A-1	PANEL "B"	20 A	2	1113...	7605...					2	20 A	PANEL "A"	1A-2
1A-3						9530...	6875...						1A-4
1A-5	PANEL "A"	20 A	2					7605...	7605...	2	20 A	PANEL "A"	1A-6
1A-7				6875...	6875...								1A-8
1A-9	PANEL "A"	20 A	2			7605...	1019...			2	20 A	PANEL "B" KO	1A-10
1A-11								6875...	1046...				1A-12
1A-13													1A-14
1A-15													1A-16
1A-17													1A-18
1A-19													1A-20
1A-21													1A-22
1A-23													1A-24
1A-25													1A-26
1A-27													1A-28
1A-29													1A-30
1A-31													1A-32
1A-33													1A-34
1A-35													1A-36
1A-37													1A-38
1A-39													1A-40
1A-41													1A-42
Total Load:				32490 VA		34209 VA		32551 VA					
Total Amps:				271 A		285 A		271 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	48000 VA	100.00%	48000 VA	
Motor	584 VA	105.18%	614 VA	
Other	0 VA	0.00%	0 VA	Total Conn. Load: 99250 VA
Receptacle	22320 VA	72.40%	16160 VA	Total Est. Demand: 85942 VA
Lighting	1298 VA	125.00%	1623 VA	
Refrigerator	3690 VA	75.00%	2768 VA	
Dishwasher	9000 VA	75.00%	6750 VA	
Microwave	7200 VA	75.00%	5400 VA	
				Total Conn.: 275 A
				Total Est. Demand: 239 A

Notes:

Branch Panel: 2D

Location: Electrical 224

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 10K

Mains Type:

Mains Rating: 250 A

MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
2D-1	PANEL "A"	20 A	2	7605...	7605...					2	20 A	PANEL "A"	2D-2
2D-3						6875...	6875...						2D-4
2D-5	PANEL "A"	20 A	2	6875...	6875...			7605...	7605...	2	20 A	PANEL "A"	2D-6
2D-7													2D-8
2D-9	PANEL "A"	20 A	2			7605...	7605...			2	20 A	PANEL "A"	2D-10
2D-11								6875...	6875...				2D-12
2D-13	PANEL "A"	20 A	2	7605...									2D-14
2D-15						6875...							2D-16
2D-17													2D-18
2D-19													2D-20
2D-21													2D-22
2D-23													2D-24
2D-25													2D-26
2D-27													2D-28
2D-29													2D-30
2D-31													2D-32
2D-33													2D-34
2D-35													2D-36
2D-37													2D-38
2D-39													2D-40
2D-41													2D-42
Total Load:				36566 VA		35836 VA		28961 VA					
Total Amps:				314 A		307 A		241 A					

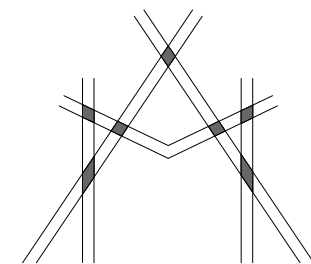
Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	42000 VA	100.00%	42000 VA		
Motor	847 VA	103.57%	877 VA	Total Conn. Load:	101363 VA
Other	0 VA	0.00%	0 VA	Total Est. Demand:	85165 VA
Receptacle	25620 VA	69.52%	17810 VA	Total Conn.:	281 A
Lighting	1328 VA	125.00%	1660 VA	Total Est. Demand:	236 A
Refrigerator	4305 VA	75.00%	3229 VA		
Dishwasher	10500 VA	75.00%	7875 VA		
Microwave	8400 VA	75.00%	6300 VA		

Notes:

PER NEC 220.84, THE DEMAND FACTOR FOR 6-7 MULTIFAMILY DWELLING UNITS IS 44%. THE CONNECTED LOAD AT 44% IS WELL BELOW THE 225A PANEL RATING. PANEL SCHEDULE IS TYPICAL FOR 3D & 4D.

[illegible][illegible]



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RYAN J. HETTLER
LICENSED PROFESSIONAL
ENGINEER
19012
STATE OF MISSISSIPPI
7/6/19

KEY PLAN

Pramukh Vicksburg.
LLC

HOME2suites
Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title

**ELECTRICAL - LEGEND,
NOTES, & SPECS**

Phase
Construction Documents

Project No.	19005	Sheet No.	E406
Prepared by	PTH		
Checked by	RJH		
Date	04/02/19		

Released for

ELECTRICAL LEGEND

FIRE ALARM

F  FIRE ALARM SPEAKER & ADA SIGNAL LIGHT (80" MH)

F  FIRE ALARM HORN & ADA SIGNAL LIGHT (80" MH)

F  FIRE ALARM CHIME & ADA SIGNAL LIGHT (80" MH)

L FIRE ALARM ADA VISUAL SIGNAL LIGHT (80" MH)

FS CEILING MOUNTED FIRE ALARM SPEAKER & SIGNAL LIGHT

F CEILING MOUNTED FIRE ALARM HORN & SIGNAL LIGHT

F CEILING MOUNTED FIRE ALARM SPEAKER

L CEILING MOUNTED FIRE ALARM ADA VISUAL SIGNALING LIGHT

F FIRE ALARM SIGNAL PULL STATION (46" MH)

S CEILING MOUNTED SMOKE DETECTOR

H WALL MOUNTED HORN/STROBE

S DUCT MOUNTED SMOKE DETECTOR

SR DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT, WALL MOUNTED AT 80" MH, UNLESS NOTED OTHERWISE.

D ELECTROMAGNETIC DOOR HOLDER (WALL MOUNTED)

R FIRE ALARM CONTROLLED PROGRAMMABLE RELAY

V VALVE TAMPER SWITCH

SD SMOKE DAMPER

FS FIRE SHUTTER

ANNP ANNUNCIATOR PANEL

COMMUNICATIONS

	DATA OUTLET WITH 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE
	TELEPHONE OUTLET WITH 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE
	COMBINATION TELEPHONE/DATA OUTLET IN FLOOR WITH 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE
	MICROPHONE OUTLET IN WALL
	MICROPHONE OUTLET IN FLOOR
	CEILING MOUNTED SPEAKER
	DOORBELL 

ELECTRICAL ABBREVIATIONS

SYMBOL	DESCRIPTION
A	AMPERE
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AI	AMPERES INTERRUPTING CURRENT
ANN	ANNUNCIATOR
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CU	CURRENT LIMITING PANEL
CT	CURRENT TRANSFORMER
CO	COPPER
DISC	DISCONNECT
EDF	ELECTRIC DRINKING FOUNTAIN
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
G	FULL-LOAD AMPS
GL	GROUND
GFI	GROUND FAULT CURRENT
HP	INTERUPTER
HZ	HORSEPOWER
Hz	HERTZ
KVA	THOUSAND CIRCULAR MILS
KV	KILOVOLT-AMPERE
LED	KILOWATT
MCC	LIGHT EMITTING DIODE
MLO	MOTOR ONLY CENTER
N	MAIN LUGS ONLY
NEC	NEUTRAL
PF	NATIONAL ELECTRIC CODE
SOBW	POWER FACTOR
VGW	SPACE ONLY WITH BUS
VA	UNDERGROUND ELECTRICAL
VP	VOLT
VPD	VOLT-AMPERE
WFD	VARIABLE FREQUENCY DRIVE
W/TH PRF	WEATHER PROOF
3P	TRANSFORMER
3P	THREE POLE
3P	THREE PHASE
4W	FOUR WIRE
3/0	30 AMPERE 3-POL F.

GENERAL PROJECT NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH DIVISION 26 SPECIFICATIONS, NATIONAL ELECTRICAL CODE, AND ALL OTHER APPLICABLE STANDARDS AND REGULATIONS ENFORCED BY THE AUTHORITY HAVING JURISDICTION.
2. ALL ABOVE GROUND EXTERIOR CONDUIT SHALL BE GALVANIZED RIGID STEEL CONDUIT WITH CORROSION RESISTANT FITTINGS, CLAMPS AND SUPPORT. INTERIOR EXPOSED CONDUIT ABOVE GROUND SHALL BE EMT.
3. IN THE EVENT OF CONFLICTS BETWEEN THE DRAWINGS, SPECIFICATIONS, CODES AND REGULATIONS, NOTIFY THE ARCHITECT IN WRITING FOR ENGINEER OF RECORD'S OPINION PRIOR TO INSTALLATION.
4. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL AND TO THE ENGINEER FOR REVIEW.
5. SMACNA SEISMIC RESTRAINT MANUAL, THIRD EDITION 2008, OR LATEST REVISION MAY BE USED AS A GUIDE FOR GENERAL SEISMIC SUPPORT DETAIL AND SUPPORT SPACING RECOMMENDATIONS.
6. COORDINATE LOCATION OF ALL LIGHTING FIXTURES, MECHANICAL EQUIPMENT AND ACCESS PANELS WITH OTHER DISCIPLINES PRIOR TO ROUGH-IN.
7. WHILE GREAT EFFORT HAS BEEN MADE TO IDENTIFY EXISTING CIRCUITS THAT ARE TO BE REMOVED OR REPLACED, THE INFORMATION MAY NOT BE ACCURATE.
8. ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGE AND AMP DRAW FOR ALL NEW EQUIPMENT.

LIGHTING FIXTURE SCHEDULE							INNOVATIVE • ENGINEER SERVICES, L L C
MARK	MFG'R	CATALOG NUMBER	LAMPS		VOLTS	MOUNTING	REMARKS
			QTY.	W. & TYPE			
A	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE ETER-MIN ED	100W. MAX	120V.	WALL MTD.	FLOUORESCENT WALL BRACKET IN GUEST ROOM CORRIDORS -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
B	LITHONIA LIGHTING	LDN6 35/15 L06AR 120		LED	120V.	RECESS	LED DOWNLIGHT WITH UL WET LABEL - PROVIDE EMERGENCY BATTERY BACK-UP WHERE SHADED.
C	LITHONIA LIGHTING	LDN6 35/15 L06AR 120		LED	120V.	RECESS	LED DOWNLIGHT IN GUESTROOM ENTRY
D	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	2	32W T8	120V.	WALL MTD ABOVE MIRROR	48" WALL MOUNTED FLOUORESCENT FIXTURE -- MTD ON WALL ABOVE GUEST BATHROOM MIRROR
D1	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE TERMIN ED	100W. MAX.	120V.	PENDANT	DECORATIVE PENDANT FIXTURE IN RESTROOMS
D2	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE TERMIN ED	500W. MAX	120V.	PENDANT	DECORATIVE PENDANT IN LOBBY OASIS
D3	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE TERMIN ED	100W MAX.	120V.	PENDANT	DECORATIVE PENDANT IN BUSINESS CENTER
D4	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	2	17W T8	120V.	WALL MTD ABOVE MIRROR	24" WALL MOUNTED. FLOUORESCENT FIXTURE -- MOUNT ON WALL ABOVE MIRROR IN PUBLIC RESTROOMS
EH	COOPER SURE-LITES	APLC7R6	N/A	LED	120V.	WALL MTD.	COMBINATION EXIT SIGN AND TWIN HEAD EMERGENCY LIGHT
EM	LITHONIA	EU2L-M12	N/A	LED	120V.	WALL MTD.	TWIN HEAD EMERGENCY LIGHT
ER	LITHONIA	ECC-R-REM-M6	N/A	LED	120V.	WALL MTD.	WEATHERPROOF REMOTE-MOUNT EMERGENCY LIGHT
EX	LITHONIA	ERE-GY-SGL-WP	N/A	LED	120V.	WALL MTD.	EXIT SIGN, SINGLE OR DOUBLE FACE, ARROWS AS REQUIRED
G	MARK LIGHTING	SPRL 4 G9 N35AS FA NX 120		LED	120V.	COVE	RECESSED LED COVE LIGHT
H	LITHONIA LIGHTING	2GTL4 LP835		LED	120V.	RECESS	2 X 2 LAY-IN FLOUORESCENT PARABOLIC TROFFER -- FURNISH WITH FLANGE KIT WHERE NECESSARY
K	LITHONIA LIGHTING	WL4 41L D43 LP835 N80 NSPD77 DIM50		LED	120V.	WALL MTD.	WALL MOUNTED FLOUORESCENT FIXTURE IN STAIRWELL
L	LITHONIA LIGHTING	LBL4 LP835		LED	120V.	SURFACE	WRAP AROUND SURFACE MOUNTED FLOUORESCENT
M	LITHONIA LIGHTING	2MPL3N G A 3 32 18LD MVOLT 1/3 GEB10PS PWS1836 LP835		LED	120V.	RECESS	2 X 4 LAY-IN FLOUORESCENT TROFFER -- FURNISH WITH FLANGE KIT WHERE NECESSARY
N	LITHONIA LIGHTING	LDN6 35/15 L06AR 120		LED	120V.	RECESS	LED DIRECTIONAL EYEBALL
P	HALO (COOPER)	CLHET2010400 LV-1419SN	1	MR16	120V.	RECESS	LOW VOLTAGE PINHOLE DOWNLIGHT -- OVER REGISTRATION DESK
Q	DESIGN PLAN	LD6-L 4SS1G	1	LED 1F-1WX6	120V.	RECESS	RECESS DOWNLIGHT IN SOFFIT -- UL WET LABEL
R	LITHONIA LIGHTING	LDN6 35/15 L06AR 120		LED	120V.	RECESS	RECESSED LOW CLEARANCE CANN -- SUBSTITUTE FOR "C" ON UPPER FLOOR ELEVATOR LOBBY WITH LOW CLEARANCE
S	LITHONIA LIGHTING	OLVTWM		LED	120V.	WALL MTD.	LED VAPORTITE IN ELEVATOR PIT
T	HADCO	WAB2 B CF226E	2	25W CFL	120V.	WALL MTD.	EXTERIOR BEACON UPLIGHTS -- MTD. ON BEACON STEEL BRACKETS -- VERIFY MTG HEIGHT WITH ARCHITECT
W	LITHONIA	FM4711 GL 10 WH	2	13W, DTT	120V.	WALL MTD.	WALL MOUNTED FLOUORESCENT FIXTURE -- MOUNT ABOVE DOOR ON HEADER IN EQUIPMENT AND STORE ROOMS
X	SEE SYMBOLS LEGEND	SEE SYMBOLS LEGEND	N/A	SEE SYMBOLS LEGEND	120V.	SEE SYMBOLS LEGEND	SEE SYMBOLS LEGEND
OA	HYDREL	TPS1 18LED WHT41K MFL YMBL MVOLT WMTL LP		LED	120V.	WALL MTD.	LED EXTERIOR WALL SCONCE WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
OB	BEGA	3308LED		LED	120V.	WALL MTD.	LED EXTERIOR WALL PACK WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
OC	LITHONIA LIGHTING	WST LED 1 10A700/40K SR4 MVOLT DDBXD		LED	120V.	WALL MTD.	LED EXTERIOR WALL SCONCE WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
OD	HYDREL	M9710 A 18LED WKT41K MVOLT MFL FLC20 34B		LED	120V.	IN GROUND FLOOD	MTD. IN-GROUND FIXT. 2'-0" FROM FLAGPOLE OR WALL IN CONCRETE IN STRICT ACCORDANCE WITH MFG'RS WRITTEN RECOMMENDATIONS.
OE	HYDREL	M9710 A 18LED WKT41K MVOLT MFL FLC20 34B		LED	120V.	IN GROUND FLOOD	MTD. IN-GROUND FIXT. 2'-0" FROM FLAGPOLE OR WALL IN CONCRETE IN STRICT ACCORDANCE WITH MFG'RS WRITTEN RECOMMENDATIONS.
OF	AMERICAN LIGHTING	LS-MS-24-100BK	1 LOT	LEDBS14-8WW	120V.	SURFACE STRING	STRING LIGHTS
OG	LITHONIA LIGHTING	DSX0 LED 40C 1000 40K T4M MVOLT SPA DDBXD		LED	208V.	POLE	1-LED ARCHITECTURAL ARM MTD. CUTOFF LUMINAIRE -- PROVIDE 20 FT. POLE -- POLE FINISH TO MATCH FIXTURE -- POLE SHALL MEET 120 MPH WIND REQUIREMENTS -- MT. ON CONCRETE BASE 3FT THAT
OH	LITHONIA LIGHTING	DSX0 LED 40C 1000 40K T4M MVOLT SPA DDBXD		LED	208V.	POLE	3-LED ARCHITECTURAL ARM MTD. CUTOFF LUMINAIRE -- PROVIDE 20 FT. POLE -- POLE FINISH TO MATCH FIXTURE -- POLE SHALL MEET 120 MPH WIND REQUIREMENTS -- MT. ON CONCRETE BASE 3FT THAT
OK	LITHONIA LIGHTING	DSXW1LED 20C 700 40K T4M MVOLT DDBXD		LED	120V.	WALL MTD.	LED EXTERIOR WALL SCONCE WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
FFE1	WALL SCONCE	WALL SCONCE	1	100W MAX.	120V.	WALL	FURNISHED BY F.F.E. SUPPLIER - INSTALLED BY ELECTRICAL CONTRACTOR

NOTES:

- 1.) INTERIOR COLOR TEMPERATURE SHALL BE WARM WHITE.
- 2.) ALL EXTERIOR FIXTURES SHALL BE LABELED "WET" OR "DAMP" LOCATIONS AS DETERMINED BY THEIR LOCATIONS
- 3.) ALL POOL AREA CIRCUITS SHALL BE EQUIPPED WITH GFC PROTECTION.
- 4.) VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.

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SPECIFICATIONS & NOTES

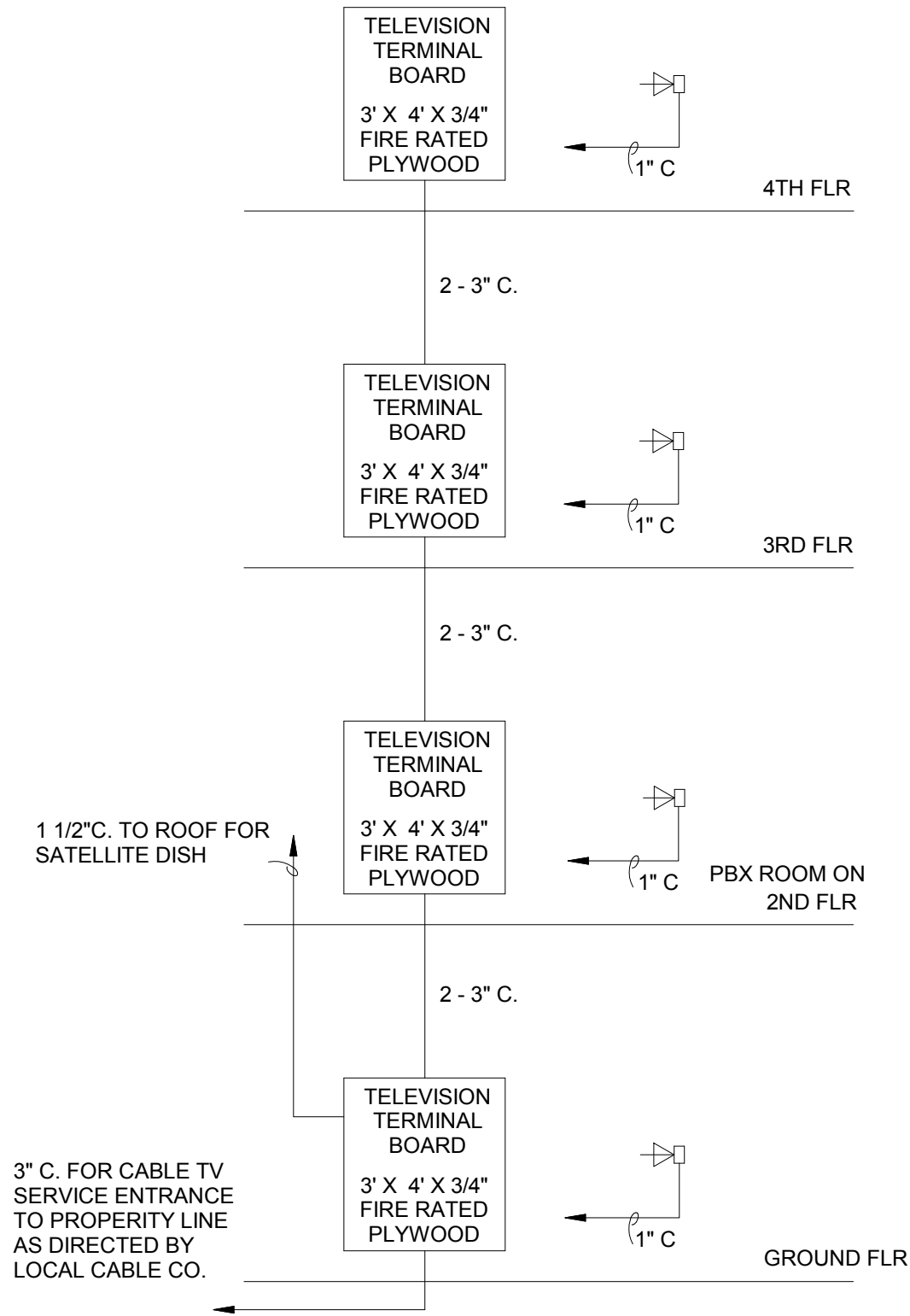
- GENERAL:** FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR A COMPLETE INSTALLATION OF ELECTRICAL WIRING. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT, GENERAL CHARACTER, AND THE APPROXIMATE LOCATION OF THE WORK TO PERFORMED. OMISSIONS OF THE DETAILS OF WORK, MOUNTING HARDWARE, FITTING, J-BOXES, OUTLET BOXES, PULL BOXES, SUPPORTS, CONNECTORS, ACCESSORIES, AND/OR ADAPTORS WHICH ARE EVIDENTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, SHALL BE PROVIDED. CONNECT ALL ELECTRICAL EQUIPMENT WHETHER FURNISHED BY ELECTRICAL CONTRACTOR OR BY OTHERS AND WHETHER SHOWN ON PLANS OR NOT. INSTALL AND CONNECT ALL STARTERS FURNISHED BY THIS CONTRACTOR OR OTHERS. FURNISH, INSTALL, AND CONNECT DISCONNECTS AND SAFETY SWITCHES FOR ALL ELECTRICAL EQUIPMENT WHETHER FURNISHED BY THIS CONTRACTOR OR OTHERS AND WHERE REQUIRED BY NEC. BEFORE INSTALLING RACEWAYS FOR MOTORS, APPLIANCES, HVAC AND/OR OTHER EQUIPMENT PROVIDED BY OTHERS VERIFY LOCATIONS AND ARRANGE RACEWAYS ACCORDINGLY. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL PLANS BEFORE ROUGHING IN LIGHT SWITCHES. WHERE NO RACEWAY SIZES OR WIRE SIZES ARE SHOWN INSTALL AS REQUIRED BY NEC. VERIFY POWER AND CONNECTION REQUIREMENTS FOR ALL EQUIPMENT BEFORE INSTALLATION. WIRE AS REQUIRED BY EQUIPMENT MANUFACTURER AND IN COMPLIANCE WITH NEC. OBTAIN MOCP AND MCA INFORMATION FROM ACTUAL EQUIPMENT BEING INSTALLED AND CIRCUIT ACCORDINGLY. ALL CIRCUIT BREAKERS SUPPLYING HVAC EQUIPMENT SHALL BE HACR TYPE. ALL WORK SHALL COMPLY WITH APPLICABLE LAWS OF THE COMMUNITY AND WITH THE NEC. OBTAIN AND PAY FOR ALL PERMITS REQUIRED. OBTAIN APPROVAL FOR ALL WORK INDICATED ON PLANS AND IN SPECIFICATIONS FROM ALL AGENCIES AND AUTHORITIES HAVING JURISDICTION. AFTER COMPLETION OF THE WORK, SUBMIT CERTIFICATE OF FINAL INSPECTION AND APPROVAL FROM THE LOCAL ELECTRICAL INSPECTOR AND LOCAL FIRE DEPARTMENT AUTHORITIES CERTIFYING THAT THE INSTALLATION COMPLIES WITH ALL REGULATIONS GOVERNING THE SAME. ALL MATERIALS SHALL BE NEW AND UL LISTED. EXECUTE ALL WORK IN A WORKMANLIKE MANNER SO AS TO PRESENT A NEAT AND MECHANICAL APPEARANCE WHEN COMPLETED.
- COORDINATION:** COORDINATE WORK SO AS TO CONFORM TO THE PROGRESS OF THE WORK OF THE OTHER TRADES, AND COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE CONDITION OF THE BUILDING PERMITS. SOME SAFETY DISCONNECT SWITCHES MAY BE PROVIDED BY THE MECHANICAL CONTRACTOR BUT INSTALLED AND CONNECTED BY THE ELECTRICAL CONTRACTOR. THE WORK SHALL BE COORDINATED BY THE ELECTRICAL CONTRACTOR.
- INTERFERENCE:** IN THE EVENT THAT INTERFERENCES OR CONFLICTS DEVELOP, THE ARCHITECT SHALL DECIDE WHICH EQUIPMENT SHALL BE RELOCATED AT NO COST TO OWNER REGARDLESS OF WHICH WAS FIRST INSTALLED.
- CUTTING AND PATCHING:** PROVIDE CUTTING AND PATCHING, UNDER THE SUPERVISION OF THE GENERAL CONTRACTOR, AS REQUIRED FOR ELECTRICAL WORK. COORDINATE WITH OTHER TRADES AS WORK PROGRESSES SO CUTTING AND PATCHING WILL NOT BE REQUIRED OR BE MINIMAL.
- SUBMITTALS:** WITHIN TWENTY (20) DAYS AFTER AWARD OF CONTRACT, SUBMIT SIX (6) COPIES OF MANUFACTURER'S DRAWINGS TO THE ARCHITECT FOR REVIEW OF THE FOLLOWING ITEMS: PANELBOARDS, LIGHT FIXTURES, DISCONNECT SWITCHES, FIRE ALARM SYSTEM (COMPLETE WITH PLAN SHOWING WIRING/ CONDUIT).
- TESTING:** UPON COMPLETION OF THE WORK, CONDUCT A THOROUGH TEST IN THE ARCHITECT'S PRESENCE, AND SHOW THE ENTIRE SYSTEM TO BE IN PERFECT WORKING CONDITION.
- GUARANTEE:** GUARANTEE THAT ALL WORK EXECUTED UNDER THESE SPECIFICATIONS AND PLANS WILL BE FREE FROM DEFECTS OF WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THIS WORK. PROMPTLY REPAIR, REPLACE, OR OTHERWISE MAKE GOOD, UPON NOTIFICATION, ANY DEFECT BECOMING APPARENT DURING THIS PERIOD, AT NO COST TO THE OWNER.
- TEMPORARY SYSTEMS:** THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING EQUIPMENT AND MATERIALS NECESSARY FOR PROVIDING ELECTRICAL POWER WHERE NEEDED FOR THE CONSTRUCTION OF THE PROJECT IN ACCORDANCE WITH ALL OSHA REGULATIONS.
- SITE VISIT:** BEFORE SUBMITTING A BID, VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS. MAKE SUCH ADJUSTMENTS TO WORK AS REQUIRED BY THE ACTUAL CONDITIONS ENCOUNTERED.
- SERVICE ENTRANCE:** IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO VERIFY THAT THE LOCATION, ARRANGEMENT, VOLTAGE, PHASE AND CONNECTIONS TO UTILITY SERVICE, AS WELL AS THE REQUIRED METERING EQUIPMENT, ARE COORDINATED WITH AND IN ACCORDANCE WITH REQUIREMENTS OF THE LOCAL POWER COMPANY. IF THE REQUIREMENTS ARE AT VARIANCE WITH THESE DRAWINGS OR SPECIFICATIONS, THE CONTRACT PRICE SHALL INCLUDE ANY ADDITIONAL COST NECESSARY TO MEET THOSE REQUIREMENTS WITHOUT EXTRA COST TO THE OWNER AFTER THE CONTRACT IS ENTERED INTO. NOTIFY ARCHITECT OF ANY CHANGES REQUIRED BEFORE PROCEEDING WITH WORK. ANY CHARGES BY THE UTILITY COMPANY FOR THE ELECTRICAL SERVICE TO THE FACILITY SHALL BE INCLUDED IN THE BID PRICE.
- CONDUIT PENETRATIONS:** WHERE CONDUITS AND OTHER ELECTRICAL EQUIPMENT RACEWAYS PASS THROUGH FIRE PARTITIONS, FIRE WALLS, OR FLOORS, INSTALL A FIRE STOP THE PROVIDES AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FIRE, SMOKE, AND GASES AND WHICH MAINTAINS THE FIRE RATING OF THE WALL WHICH HAS BEEN PENETRATED. WHERE EXTERIOR WALLS OR FLOORS ARE PENETRATED PROVIDE COMPLETELY WEATHERPROOFING OF PENETRATION. FURNISH ROOF FLASHING FOR ALL CONDUIT OR EQUIPMENT WHICH PENETRATES ROOF.
- LIGHT FIXTURES:** IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT TYPE CEILING, TYPE FIXTURE MOUNTING AND TRIM, AND RECESSING DEPTH OF ALL RECESSED FIXTURES PRIOR TO PURCHASING ANY FIXTURES. REGARDLESS OF PART NUMBERS IDENTIFIED ON THE LIGHT FIXTURE SCHEDULE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE PROPER OPERATING VOLTAGE OF LIGHT FIXTURES ACCORDING TO THE PLANS PRIOR TO PURCHASING ANY FIXTURES. EQUIVALENT FIXTURES SUBSTITUTES BY LITHONIA, COOPER LIGHTING, AND HUBBELL WILL BE ACCEPTED. PROVIDE LAMPS FOR ALL FIXTURES. LAMPS SHALL BE MANUFACTURED BY GE, OSRAM- SYLVANIA, OR PHILIPS. FLUORESCENT BALLASTS SHALL BE HIGH FREQUENCY ELECTRONIC TYPE BY MAGNETIC TRIAD, LUTRON, OSRAM- SYLVANIA OR MOTOROLA AND SHALL HAVE A 5 YEAR WARRANTY. BF SHALL BE GREATER THAN .9, THD SHALL BE LESS THAN 20%, CF GREATER THAN 1.7 AND PF GREATER THAN .93. HID LAMPS BALLASTS SHALL BE HIGH POWER FACTOR (.90 OR GREATER) TYPE. HID LAMPS SHALL BE CERAMIC TYPE. PROVIDE ALL MOUNTING HARDWARE, ADAPTORS, AND ACCESSORIES AS REQUIRED. UOM, CENTER ALL DOWNLIGHTS AND WALLWASHERS ON CEILING TILE.
- BUILDING WIRES & CABLE:** INTERIOR WIRE SHALL BE COPPER THHN, #12 AWG MINIMUM TYPE "XHHW" COPPER SHALL BE USED EXTERIOR OR UNDERGROUND. CONDUCTORS #10 AND #12 SHALL BE SOLID. LARGER SIZES SHALL BE STRANDED. CONTROL AND SIGNAL WIRE SHALL BE TYPE "TFF" COPPER, MINIMUM SIZE #16. JOINTS AND SPLICES IN WIRE SHALL BE MADE WITH SOLDERLESS CONNECTORS, AND COVERED SO THAT INSULATION IS EQUAL TO CONDUCTOR INSULATION. WIRE NUTS SHALL NOT BE USED FOR CONDUCTOR #8 AND LARGER. NO SPLICES SHALL BE PULLED INTO CONDUIT. BOTH IN CONNECTORS AND CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET. ALL CONDUITS SHALL HAVE DUSHING WITH SMOOTH BEVELED THROATS INSTALLED AT BOTH ENDS PRIOR TO INSTALLING CONDUCTORS. CIRCUITS MAY BE COMBINED IF CONDUIT SIZES ARE ADJUSTED WHERE NECESSARY AND NEC DERATING FACTORS ARE OBSERVED. BRANCH CIRCUIT WIRE GAUGES SHALL BE INCREASED AS REQUIRED FOR A MAXIMUM OF 3% VOLTAGE DROP. TYPE MC CABLE MAY BE USED AS PERMITTED BY ARTICLE 330 OF NEC.
- CONDUIT:** ALL WIRING SHALL BE IN RACEWAYS, MINIMUM 1/2" DIAMETER. USE EMT FOR GENERAL INTERIOR WORK. RIGID GALVANIZED STEEL OR INTERMEDIATE METAL CONDUIT SHALL BE USED IN FLOOR SLABS, WHERE EMBEDDED IN CONCRETE, AREAS EXPOSED TO MOISTURE, AREAS IN DANGER OF MECHANICAL INJURY AND HAZARDOUS AREAS. PVC SCHEDULE 40 (3/4" MINIMUM DIAMETER) SHALL BE USED BELOW GRADE WITH STEEL TRANSITIONS THRU SLABS. USE FLEXIBLE METAL CONDUIT CONNECTIONS TO MOTORS, TRANSFORMERS AND OTHER VIBRATING EQUIPMENT. EXTERIOR FLEW SHALL BE LIQUIDTIGHT. EMT CONDUIT FITTINGS SHALL BE SET-SCREW TYPE. ALL EXPOSED CONDUIT SHALL BE PAINTED TO MATCH SURFACE UPON WHICH IT IS INSTALLED. INTERIOR WIRING AS SHOWN ON PLANS WILL, TYPICALLY BE CONCEALED IN CEILINGS WALLS OR FLOORS EXCEPT IN MECHANICAL/ ELECTRICAL ROOMS, JANITOR CLOSETS, UNFINISHED ROOMS AND OTHER SUCH ROOM WHERE CONDUITS ARE TYPICALLY EXPOSED. WHERE NO RACEWAY SIZES OR WIRE SIZES ARE SHOWN ON PLAN PROVIDE AND INSTALL AS REQUIRED BY NEC.
- DEVICE PLATES:** COVER PLATES SHALL BE SMOOTH NYLON W/ COLOR MATCHING DEVICES. VERIFY COLOR W/ FF&E FINISH SCHEDULE. FOR UNFINISHED AREAS EXPOSED CONDUIT, COVER PLATES SHALL BE GALVANIZED STEEL WITH BEVELED EDGES.

1 SPECIFICATIONS & NOTES
1/8" = 1'-0"

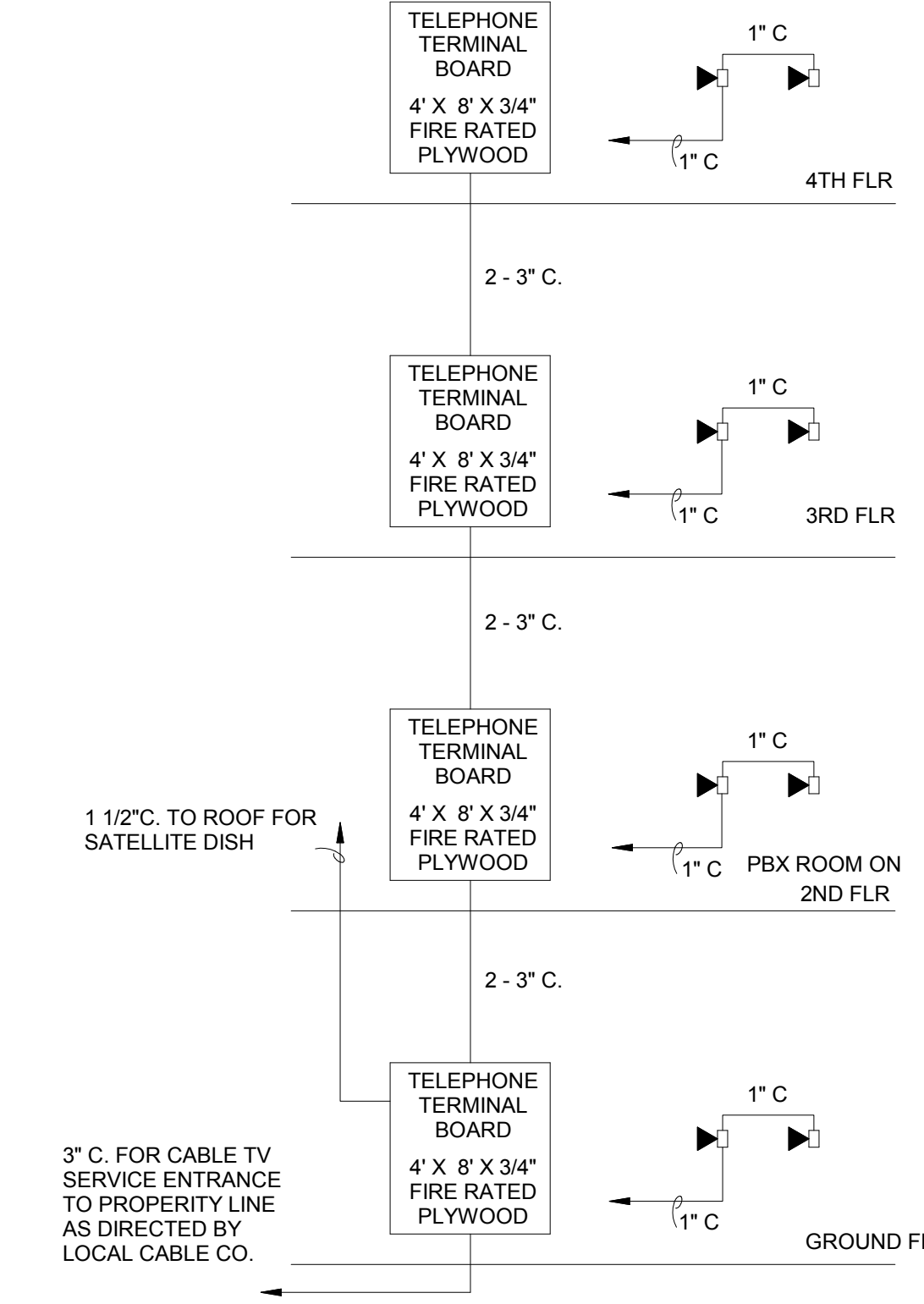
SPECIFICATIONS & NOTES

- FUSES: CLASS RK-1 TIME DELAY FUSE FOR PROTECTING CIRCUIT BREAKERS. BUSSMAN LITRON OR EQUAL. CLASS RK-5 TIME DELAY FUSE FOR PROTECTION OF MOTORS AND TRANSFORMERS. BUSSMAN FUSETRON OR EQUAL. 200K AIC AT RATED VOLTAGE.
- OUTLET BOXES: EXCEPT AS NOTED, BOXES SHALL BE STANDARD GALVANIZED OR SHERADIZED AT LEAST 1 1/2 INCHES DEEP OR AS NOTED IN PLANS. OF METAL AT LEAST 1 1/16 INCH THICK, SIZED TO ACCOMMODATE DEVICES AND CONDUCTOR AS PER NEC ARTICLE 370. COORDINATE DEPTH WITH WALL CONSTRUCTION. BOXES USED WITH EXPOSED CONDUIT SHALL BE 4-INCH SQUARE UTILITY BOXES. EXTERIOR BOXES SHALL BE GALVANIZED CAST-IRON WITH GASKETS AND APPROPRIATE FITTINGS. BOXES SHALL BE PROVIDED WITH APPROVED 3/8" FIXTURE STUDS WHERE REQUIRED. EXCEPT WHERE LOCATED IN CONCRETE BLOCK, SWITCH AND RECEPTACLE BOXES SHALL BE 4" SQUARE FOR SINGLE GANG INSTALLATION. APPROPRIATE GANG BOXES SHALL BE USED FOR MOUNTING GANGED SWITCHES.
- WIRING DEVICES: SWITCHES SHALL BE A.C. TYPE AS MADE BY HUBBELL, P & S, G.E. OR LEVITON. RECEPTACLES SHALL BE HUBBELL, BRYANT, P & S, G.E. OR LEVITON. COLOR SHALL BE SELECTED BY FF&E FINISH SCHEDULE. PROVIDE MATCHING PLUGS FOR SPECIAL PURPOSE RECEPTACLES WHEN REQUIRED FOR CONNECTION EQUIPMENT. ALL RECEPTACLES IN TOILETS, WITHIN 6 FT. OR SINKS, IN COMMERCIAL KITCHENS AND IN EXTERIOR LOCATIONS SHALL BE GFI TYPE. EXTERIOR RECEPTACLES SHALL HAVE WEATHERPROOF AND GASKETED COVERS. ALL RECEPTACLES IN GUEST ROOMS SHALL BE TAMPERPROOF.
- PANELBOARDS: PANELBOARDS SHALL BE OF A DEAD-FRONT SAFETY TYPE EQUIPPED WITH THERMAL MAGNETIC CASE CIRCUIT BREAKERS WITH FRAME AND TRIP RATINGS AS SHOWN ON THE SCHEDULE. CIRCUIT BREAKER SHALL BE QUICK-BREAK, QUICK-BREAK THERMAL MAGNETIC TRIPS INDICATING AND SHALL HAVE COMMON TRIP ON ALL MULTIPOLAR BREAKERS. CONNECTION TO THE BUSS SHALL BE BOLT ON. TERMINALS FOR FEEDER CONDUCTORS TO THE PANELBOARD MAINS AND NEUTRAL SHALL BE UL LISTED AS SUITABLE FOR THE TYPE OF CONDUCTOR SPECIFIED. TERMINALS FOR BRANCH CIRCUIT WIRING, BOTH BREAKER AND NEUTRAL, SHALL BE UL LISTED AS SUITABLE FOR THE CONDUCTOR SPECIFIED. PANELBOARDS NOT SHOWN TO BE RATED FOR SERVICE ENTRANCE SHALL BE EQUIPPED WITH AN ISOLATED NEUTRAL AND A GROUNDING BUSS. THE PANELBOARD FRONT SHALL BE OF HINGED FRONT TYPE WITH DOORS EQUIPPED WITH FLUSH-BRUSHED STEEL, CYLINDER TUMBLER-TYPE LOCKS WITH CATCHES AND SPRING-LOADED DOOR PULLS. THE FLUSH LOCK SHALL NOT PROTRUDE BEYOND THE FRONT OF THE DOOR. ALL PANELBOARD LOCKS SHALL BE KEYPED ALIKE. A CIRCUIT DIRECTORY FRAME AND CARD WITH CLEAR PLASTIC COVERING SHALL BE PROVIDED ON THE INSIDE OF THE DOOR. PANELBOARDS SHALL BE RATED FOR USE AS SERVICE ENTRANCE EQUIPMENT WHERE REQUIRED BY NEC. FOR ALL FLUSH INSTALLED PANELBOARDS, LEAVE EMPTY 3/4" CONDUITS STUBBED TO THE ABOVE CEILING SPACE. PANELBOARDS SHALL BE BY GENERAL ELECTRIC, SQUARE "D", OR CUTLER-HAMMER. LOAD CENTERS SHALL NOT BE USED UNLESS INDICATED ON PLANS.
- SAFETY SWITCHES/DISCONNECTS: SAFETY SWITCHES AND DISCONNECT SWITCHES SHALL BE TYPE "D" OR GENERAL ELECTRIC. DISCONNECTS SHALL BE LOCATED AT DISCONNECTS ADJACENT TO EQUIPMENT ON SUITABLE STRUCTURE. A DISCONNECT SHALL NOT BE REQUIRED OTHER THAN THE CB WHICH PROVIDES POWER TO EQUIPMENT WHEN THE EQUIPMENT IS WITHIN SIGHT AND NOT GREATER THAN 50 FEET FROM CB. VERIFY DISCONNECT SIZE FROM EQUIPMENT NAMEPLATE DATA. MOUNT DISCONNECTS FOR OUTSIDE HVAC UNITS NO HIGHER THAN HEIGHT OF UNIT. PROVIDE CLEARANCES AS REQUIRED BY NEC 110.26.
- GROUNDING: ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH LOCAL REGULATIONS AND NATIONAL ELECTRICAL CODE. INSTALL A GREEN EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS.
- COLOR CODING OF CONDUCTORS: COLOR CODE CONDUCTORS IN ACCORDANCE WITH THE NEC AND WITH STANDARD AND ACCEPTED TRADE PRACTICES.
- OUTLET BOX MOUNTING HEIGHTS: UNLESS OTHERWISE NOTED, WALL SWITCHES (GENERAL): 48" AFF. RECEPTACLES: 18" AFF. TELEPHONE WALL OUTLETS: 48" AFF. THERMOSTATS: 48" AFF.
- OUTLETS AND CONDUIT FOR OTHER TRADES: PROVIDE CONCEALED 4" SQUARE (OR SMALLER WHEN REQUIRED) JET BOXES WITH EMPTY PLUMBING CONTRACTORS. COORDINATE REQUIREMENTS WITH EACH CONTRACTOR. WHETHER SHOWN ON PLANS OR NOT, PROVIDE A WP, GFI RECEPTACLE LOCATED WITHIN 25" OF ALL EXTERIOR HVAC EQUIPMENT.
- VERIFY: THE WORD "VERIFY" WHEN USED IN PLANS SHALL MEAN TO VERIFY LOCATION AND WIRING REQUIREMENTS BEFORE CIRCUITING AND CIRCUIT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN COMPLIANCE WITH NEC.
- DATA, CABLE TV, TELEPHONE: FOR CABLE TV OUTLETS, DATA OUTLETS, AND TELEPHONE OUTLETS THE WIRING, JACKS, AND FACEPLATES WILL BE PROVIDED BY OTHERS UNLESS OTHERWISE NOTED. MOUNT INDIVIDUAL DATA OUTLETS, TELEPHONE OUTLETS AND CABLE TV OUTLETS AT EXACTLY THE SAME HEIGHT AS RECEPTACLES UNLESS NOTED OTHERWISE.
- NEC: "NEC" REFERS TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE WHICH HAS BEEN ADOPTED INTO LOCAL BUILDING CODE BY AGENCIES AND AUTHORIZES HAVING JURISDICTION.
- EXTERIOR ENCLOSURES: ALL EXTERIORS ENCLOSURES OR ENCLOSURES EXPOSED TO MOIST CONDITIONS SHALL BE RATED NEMA 3R OR RATED FOR USE IN DAMP OR WET CONDITIONS AS EACH CASE REQUIRES.
- UNDERGROUND INSTALLATIONS: WHERE CONDUIT IS INSTALLED BELOW GRADE, THE MINIMUM BURIAL DEPTH SHALL BE 24" UNLESS INSTALLED UNDER BUILDING SLAB (WHERE THERE IS NO MINIMUM BURIAL DEPTH). WHERE RIGID CONDUIT IS INSTALLED BELOW GRADE, COAT CONDUIT AND COUPLINGS WITH (2) COATS OF ASPHALTUM PAINT. UNDERGROUND PRIMARY CONDUIT INSTALLED IN COORDINATION WITH POWER COMPANY SHALL BE INSTALLED AT DEPTH AS DIRECTED BY POWER COMPANY. AVOID ALL EXISTING UTILITIES. ANY EXISTING UTILITIES DAMAGED SHALL BE REPAIRED AT CONTRACTORS EXPENSE AND AS DIRECTED BY ARCHITECT. RESTORE ANY DAMAGE PAVING TO MATCH EXISTING.
- IDENTIFICATION: PROVIDE 1" HIGH LAMINATE PHENOLIC NAMEPLATES PERMANENTLY INSTALLED (WITH 3/8" HIGH WHITE LETTERS ON BLACK) ON THE FRONT OF ALL DISCONNECT SWITCHES, CB ENCLOSURES, PANELBOARDS, CONTACTORS, TRANSFORMERS, TRANSIENT VOLTAGE SURGE SUPPRESSORS AND STARTERS.
- CLEANING UP: DURING THE PROGRESS OF WORK, KEEP THE OWNER'S PREMISE IN A NEAT AND ORDERLY CONDITION, FREE FROM ACCUMULATION OF DEBRIS RESULTING FROM THIS WORK. AT THE COMPLETION OF THE WORK, REMOVE ALL MATERIAL, SCRAP, ETC. NOT A PART OF THIS CONTRACT.
- OPERATING & MAINTENANCE INSTRUCTIONS: TURN OVER TO THE ARCHITECT ONE SET OF ALL EQUIPMENT CATALOGS AND MAINTENANCE DATA. EXPLAIN AND DEMONSTRATE THE ELECTRICAL SYSTEMS TO OWNER AND/OR OWNER'S REPRESENTATIVE.

2 CABLE RISER
1/8" = 1'-0"



3 TELEPHONE RISER
1/8" = 1'-0"



REVISIONS		
No.	Date	Description

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KEY PLAN

Pramukh Vicksburg, LLC

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Berryman Road Vicksburg, MS 39180

Drawing Title	
ELECTRICAL - COMMUNICATIONS RISERS & DETAILS	
Phase	
Construction Documents	

Project No.	19005	Sheet No.	
Prepared by	PTH	E407	
Checked by	RJH		
Date	04/02/19		

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HOME2suits
Vicksburg

Drawing Title

ELECTRICAL - DETAILS

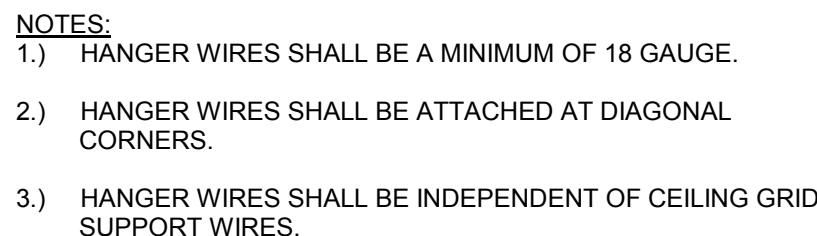
Phase
Construction Documents

Project No.	19005	Sheet No. E408
Prepared by	PTH	
Checked by	RJH	
Date	04/02/19	

Released fo

PROVIDE SMOKE DETECTORS AND HEAT DETECTORS IN THE ELEVATOR EQUIPMENT ROOM AND ELEVATOR SHAFT (AT THE TOP AND BOTTOM OF THE ELEVATOR SHAFT) AS REQUIRED BY THE LOCAL ELEVATOR INSPECTOR AND THE LOCAL FIRE MARSHALL. THE SMOKE DETECTORS SHALL INITIATE THE ELEVATOR RECALL CONTROLS. THE HEAT DETECTORS SHALL BE SUPPLIED POWER BY A SUPERVISED CIRCUIT FROM THE FIRE ALARM CONTROL PANEL. THE HEAT DETECTORS SHALL ACTIVATE T HE SPRINKLER SYSTEM SOLENOID VALVE AND ALSO AUTOMATICALLY TRIP THE OVER CURRENT DEVICE SUPPLYING THE MAIN POWER TO THE ELEVATOR EQUIPMENT.

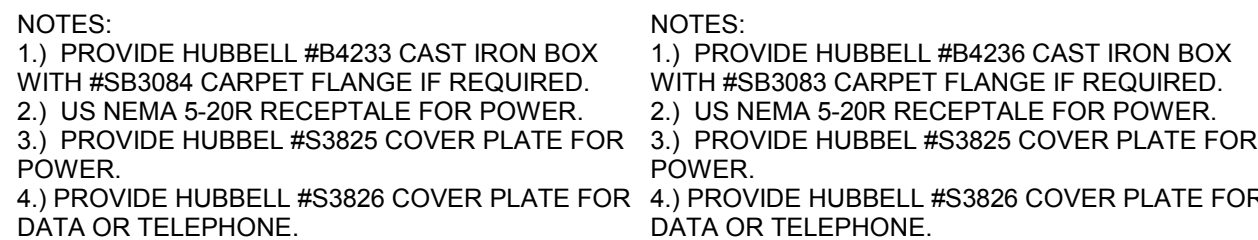
THE SMOKE DETECTORS IN THE ELEVATOR LOBBIES SHALL ALSO INITIATE THE ELEVATOR RECALL CONTROLS.



The diagram illustrates the electrical connections for a fire alarm control panel. At the top, three smoke and heat detectors are shown, labeled "SMOKE AND HEAT DETECTORS AT TOP AND BOTTOM OF SHAFT AND IN ELEVATOR EQUIPMENT ROOM". Each detector is represented by a circle with "S" and "H" inside. Wires from these detectors connect to the "CPU" (Central Processing Unit) of the "FIRE ALARM CONTROL PANEL". The panel also includes a "RECALL SIGNAL" input, a "SHUNT TRIP" input, and a "SOLENOID VALVE" output. The panel is connected to an "ELEVATOR CONTROLS" unit. A "FIRE ALARM CONTROL PANEL" label points to the main unit. A "SOLENOID VALVES ON SPRINKLER LINES SERVING ELEVATOR SHAFT AND ELEVATOR EQUIPMENT ROOM" label points to the solenoid valve output. The panel also includes a "SHUNT TRIP" and a "SOLENOID VALVE" output. The panel is connected to an "ELEVATOR CONTROLS" unit. A "FIRE ALARM CONTROL PANEL" label points to the main unit. A "SOLENOID VALVES ON SPRINKLER LINES SERVING ELEVATOR SHAFT AND ELEVATOR EQUIPMENT ROOM" label points to the solenoid valve output.

ELEVATOR CIRCUIT BREAKER AND SOLENOID VALVE CONTROLS

SCHEMATIC -- NO SCALE
ELEVATOR CIRCUIT BREAKER AND
SOLENOID VALVE CONTROLS
② 1/8" = 1'-0"

SYMBOL

FLOOR BOX DETAIL

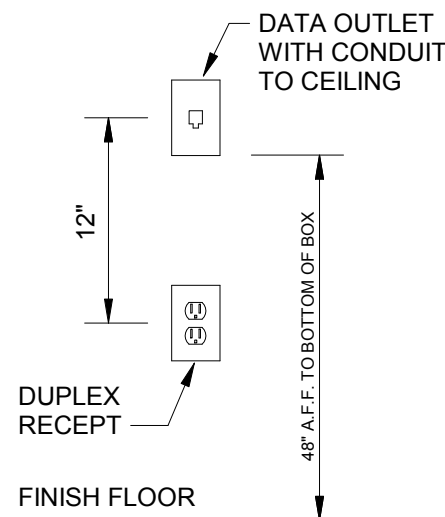
SCHEMATIC -- NO SCALE

4 FLOOR BOX DETAIL - UPDATED
1/8" = 1'-0"

SYMBOL

FLOOR BOX DETAIL

SCHEMATIC -- NO SCALE

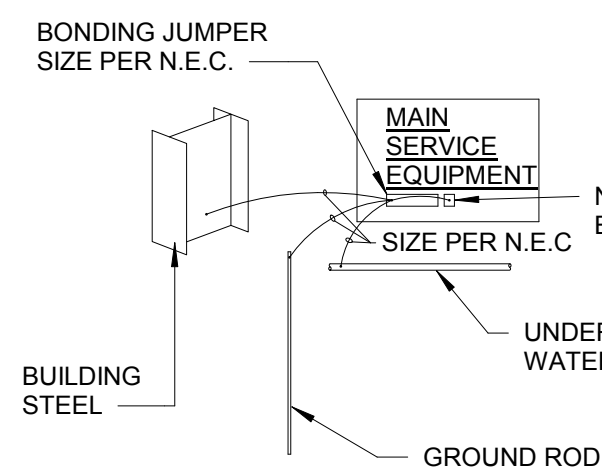


5 WALL SWITCH DETAIL
N.T.S.

TIME CLOCK
OUTLET DETAIL

NOT TO SCALE

⑥ TIME CLOCK OUTLET

$$1/8'' = 1'-0''$$


ELECTRICAL SYSTEM GROUNDING & BONDING

1. THE GROUNDING ELECTRODE CONDUCTOR AT THE MAIN SERVICE EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-50 OF THE N.E.C. AND AS SHOWN ON THE ADJACENT SKETCH.

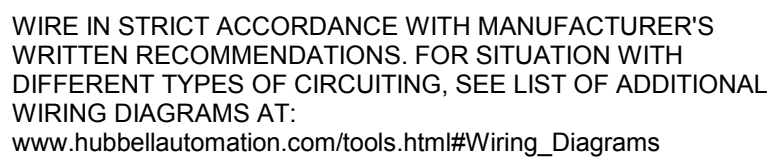
2. THE MAIN BONDING JUMPER AT THE MAIN SERVICE EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-102 OF THE N.E.C. AND AS SHOWN ON ADJACENT SKETCH.

3. EQUIPMENT GROUNDING CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS MAY BE A COPPER OR CORROSION RESISTANT CONDUCTOR, RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, ELECTRICAL METALLIC TUBING, OR THE METALLIC SHEATH OR COMBINED METALLIC SHEATH AND GROUNDING CONDUCTORS OF TYPE MC CABLE.

4. WHERE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-122 OF THE N.E.C. AND THE FOLLOWING TABLE:

AMPERE SETTING OF OVERCURRENT DEVICE AHEAD OF CIRCUIT	MINIMUM COPPER WIRE SIZE
15	14
20	12
30	10
40	10
60	10
100	8
200	6
300	4
400	3
500	2
600	1
800	2/0
1000	2/0
1200	3/0
1600	4/0

5. GROUND SERVICE TO WATER PIPE, GROUND ROD, AND CONCRETE ENCASED ELECTRODE WITH ARTILCE 250 OF THE N.E.C.



TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM

SCHEMATIC – NO SCALE
TYPICAL OCCUPANCY SENSOR WIRING
DRAWING
1/8" = 1'-0"

7 GROUNDING & BONDING
N.T.S.