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

RYAN J. HERTZER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 7/16/19

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
First Floor Plan

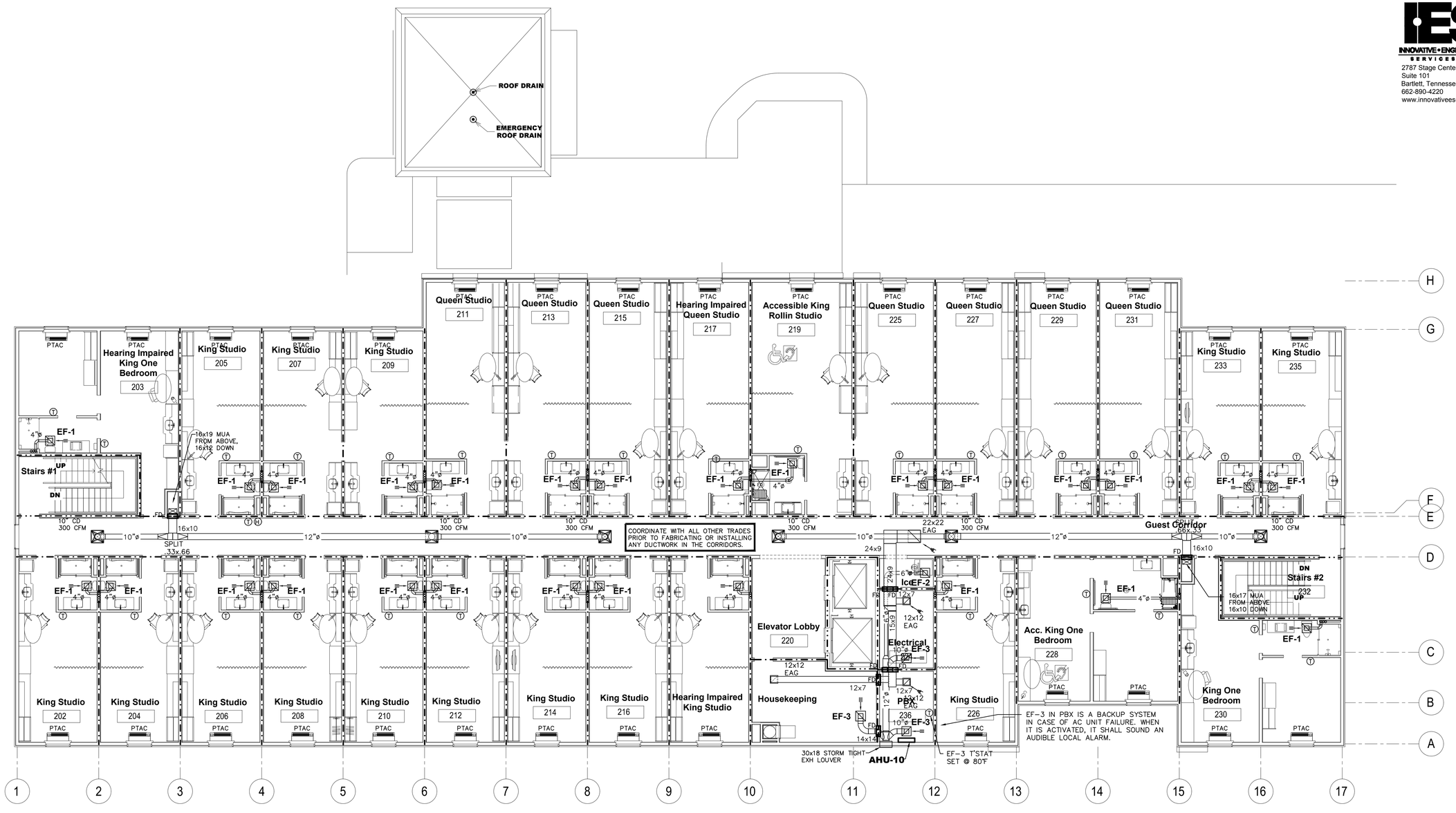
Phase
Construction Documentss

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

Sheet No. M101

14/2019 7:45:21 AM

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



SECOND FLOOR PLAN

1/8"=1'-0"

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REVISIONS		
No.	Date	Description

JORDAN J. HERTZER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 4/2/19

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

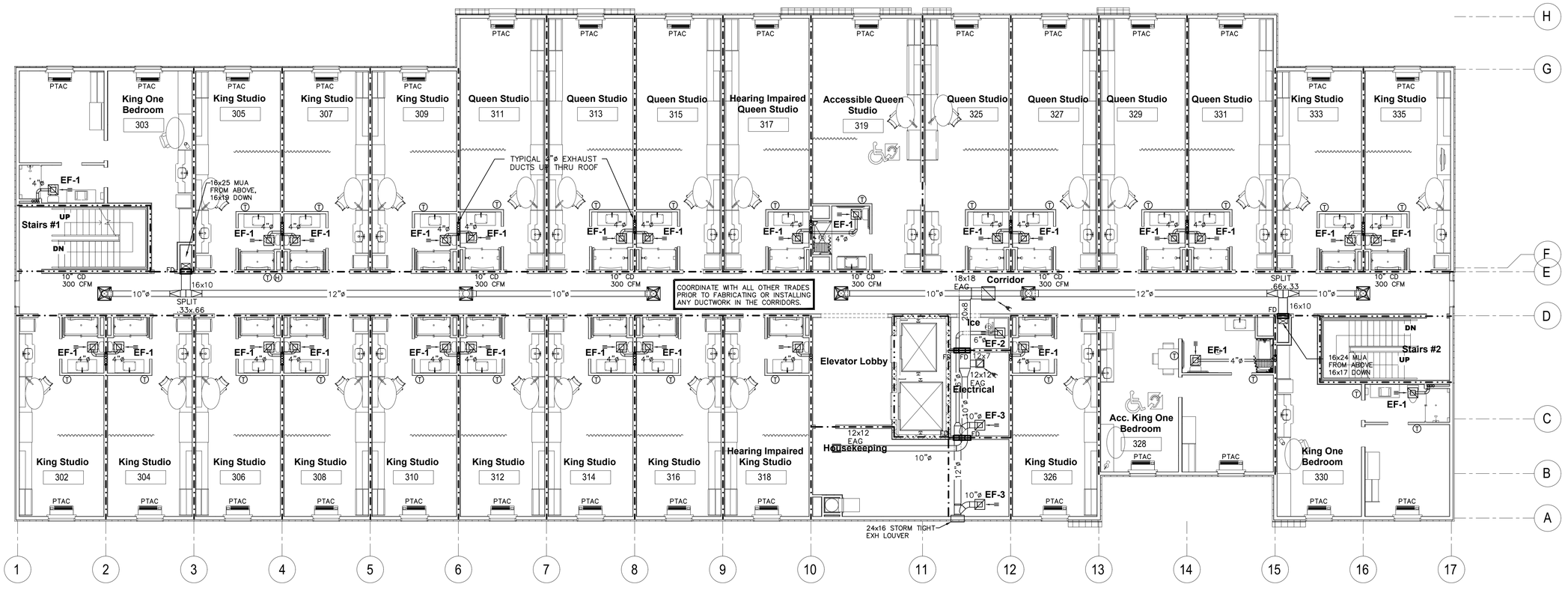
Drawing Title
Second Floor Plan

Phase
Construction Documentss

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

Sheet No.
M102

Released for



THIRD FLOOR PLAN

1/8"=1'-0"

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Third Floor Plan

Phase
Construction Documentss

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

Sheet No.
M103

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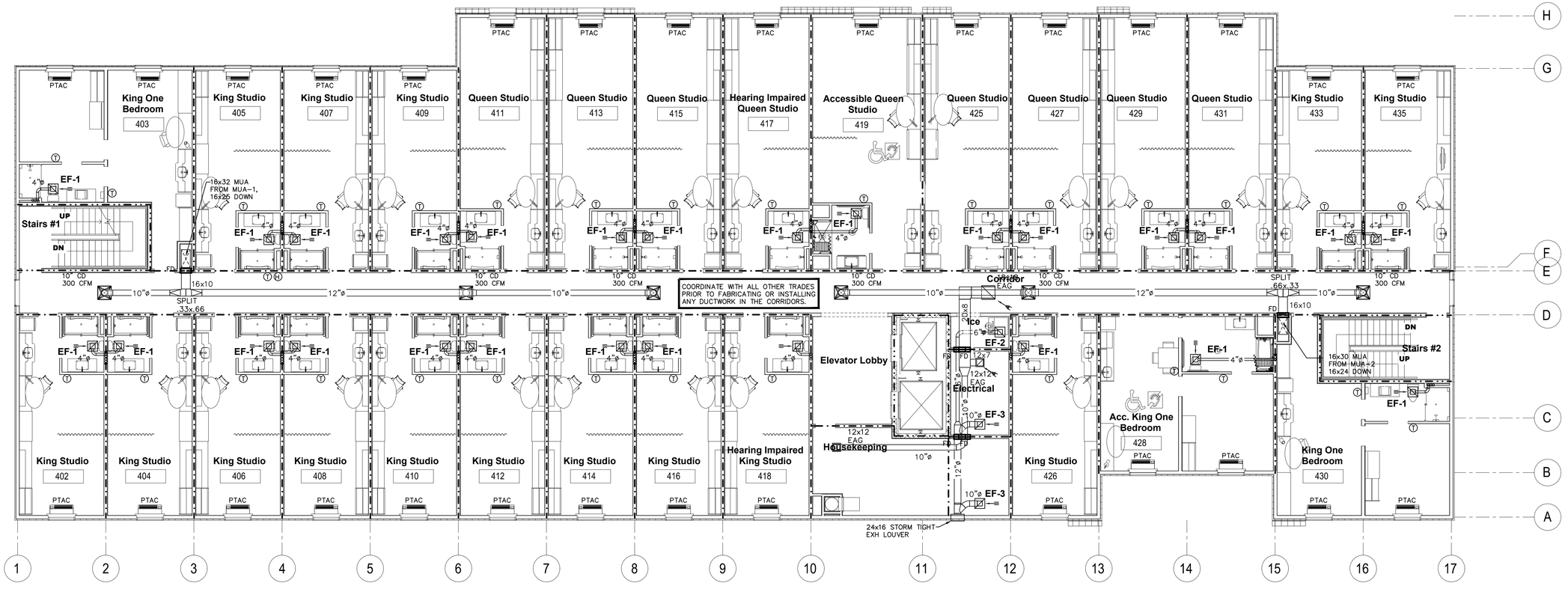

FOURTH FLOOR PLAN

1/8"=1'-0"

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Fourth Floor Plan

Phase
Construction Documentss

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

Sheet No.
M104

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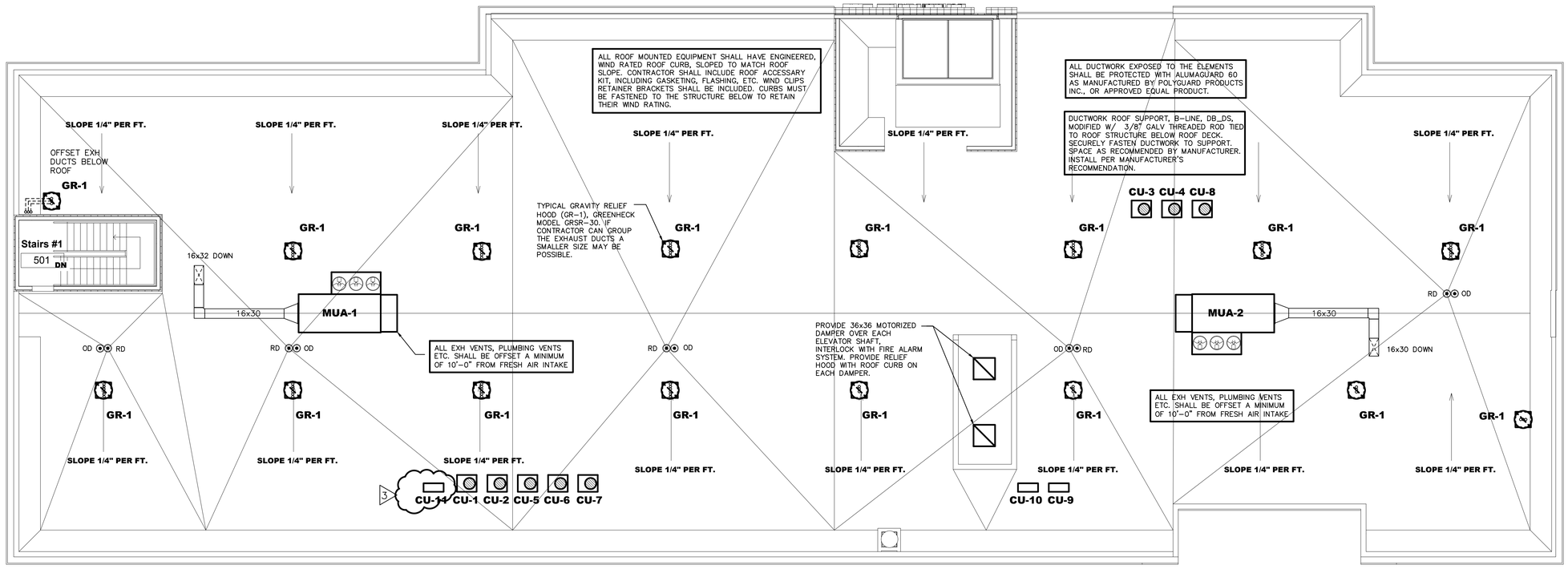

ROOF PLAN

1/8"=1'-0"

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REVISIONS		
No.	Date	Description
.	.	.
3	5/21/19	Added PB

BRYAN J. HERTTER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 5/21/19

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

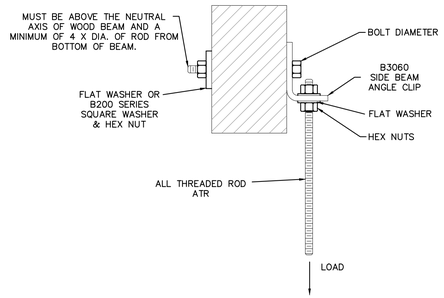
Drawing Title
Roof Plan

Phase
Construction Documentss

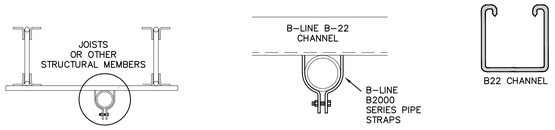
Project No.	17-051
Prepared by	RHP
Checked by	RJH
Date	MAR. 28, 2019

Sheet No.
M105

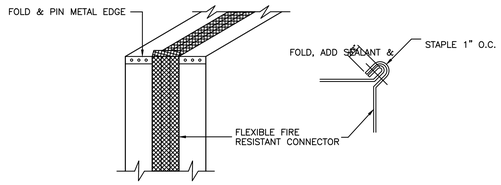
Released for

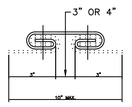


WOOD ATTACHMENTS
NO SCALE

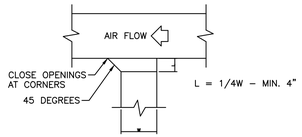


SEISMIC GAS PIPE SUPPORT DETAILS
NO SCALE

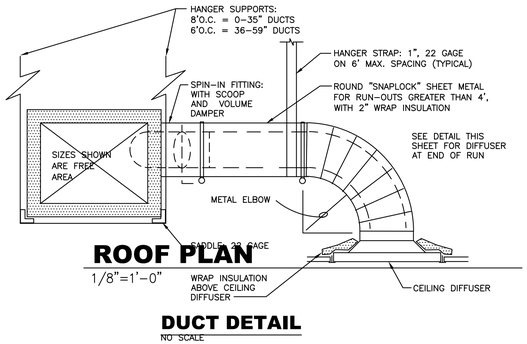




FLEXIBLE CONNECTION DETAIL
NO SCALE



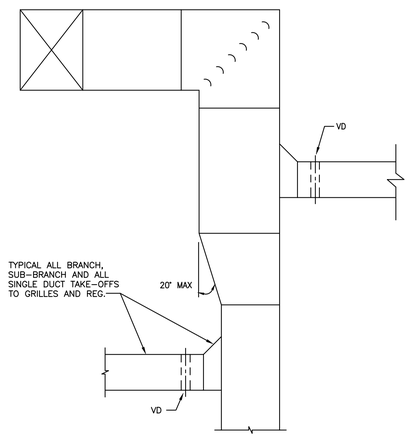
RETURN OR EXHAUST DUCT TAP DETAILS
NO SCALE



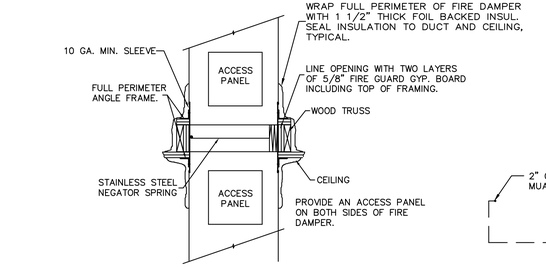
ROOF PLAN
1/8"=1'-0"

DUCT DETAIL
NO SCALE

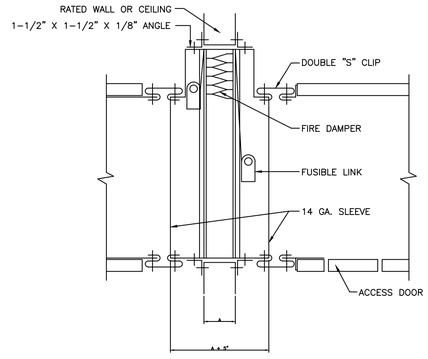
NOTES:
1. HANGER SUPPORTS SHALL BE AS NOTED ABOVE FOR DUCTS UP TO 24", AND WITH TRAPEZE HANGERS FOR DUCTS 25" AND ABOVE.
2. ELBOWS SHALL BE SQUARE NECK (SAME IN AND OUT DIMENSION) WITH 2" DOUBLE THICKNESS TURNING VANES.
3. OFFSETS SHALL NOT EXCEED 30 DEGREE ANGLE, AND SHALL NOT REDUCE THE FREE AREA OF THE DUCT.
4. TRANSITIONS SHALL NOT EXCEED 1:3 RATIO (4" TRANSITION PER FOOT SINGLE SIDED TRANSITION, AND 8" PER FOOT DOUBLE SIDED TRANSITION).
5. 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.
6. 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.
7. 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.



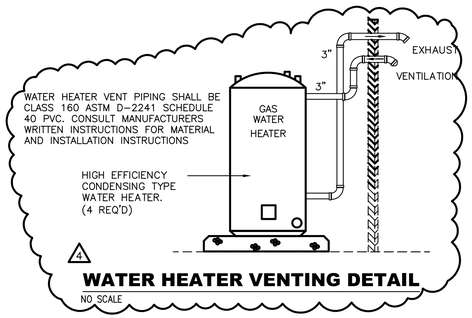
TYPICAL DUCT
NO SCALE



HORIZONTAL FIRE DAMPER DETAIL



FIRE DAMPER DETAIL
NO SCALE



WATER HEATER VENTING DETAIL
NO SCALE

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

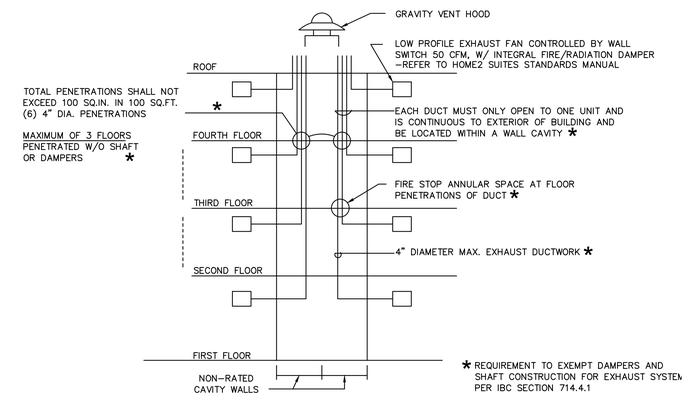
GAS APPLIANCE SCHEDULE

(2) UNIMAC UT075NRUF6A2 DRYERS 165,000 BTUH EACH	TOTAL 330 MBH
(4) STATE MODEL SUF100-199NE, WATER HEATERS, 199,000 BTUH EACH.	TOTAL 796 MBH
(8) PENTAIR MASTERTEMP 460736 POOL HEATER, 400,000 MBH	TOTAL 400 MBH
(9) KITCHENAID 740-0781 BBQ GRILLS 71,000 BTUH EACH	TOTAL 142 MBH
(1) WOODLAND FT-6000 FIRE PIT 60,000 BTUH	TOTAL 60 MBH
(2) AAON RN-025 MAKE-UP AIR UNITS (1) 270,000 BTUH, (1) 495,000 BTUH	TOTAL 765 MBH
TOTAL CONNECTED LOAD	2493 CFH

GAS PIPE SIZING METHOD

GAS	NATURAL
INLEET PRESSURE	LESS THAN 2 PSI
PRESSURE DROP	0.5 IN. W.C.
SPECIFIC GRAVITY	0.60
TOTAL EQUIV. LENGTTH	390 FT.
TOTAL CONNECTED LOAD	2493 CFH

NOTE: ALL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE. ALL CONCEALED PIPE SHALL BE WELDED. ALL EXPOSED PIPING 2" AND SMALLER MAY BE THREADED. SHALL MEET ALL CODES HAVING JURISDICTION.



TYPICAL ROOM EXHAUST DUCT RISER DETAIL
NO SCALE

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

RYAN J. HEATTER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 7/16/19

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
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Sheet No. M200

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MECHANICAL NOTES

1. THIS CONTRACTOR SHALL EXAMINE ALL OTHER SPECIFICATIONS, DRAWINGS, AND ALL FEATURES ON SITE OF CONSTRUCTION WHICH MAY AFFECT HIS WORK AND SHALL BE GOVERNED BY THESE OTHER SPECIFICATIONS, INCLUDING THE GENERAL CONDITIONS AND PARTICULAR INSTRUCTIONS TO ALL BIDDERS AND SUPPLIERS.
2. ALL WORK SHALL BE EXECUTED AND INSPECTED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND/OR STATE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS APPLICABLE TO THIS PARTICULAR CLASS OF WORK, & EACH CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL APPLICABLE MATERIAL, TOOLS, LABOR, CHARGES, FEES, PERMITS, ROYALTIES, TAXES AND OTHER SIMILAR COSTS IN CONNECTION THEREWITH.
3. PRIOR TO FABRICATION OF DUCTWORK, CONTRACTOR SHALL EXAMINE AND VERIFY ALL CONDITIONS ABOVE AND BELOW THE CEILING WHICH MAY INTERFERE WITH THE DUCT SYSTEM AND NOTIFY THE ARCHITECT OF ANY CONFLICT ENCOUNTERED. CONTRACTOR SHALL PROVIDE ALL OFFSETS, ETC. WHICH MAY BE REQUIRED, WITHOUT ADDITIONAL COST TO THE OWNER.
4. ALL SHEETMETAL DUCT CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH "SMACNA" LOW PRESSURE DUCT CONSTRUCTION STANDARDS FOR DUCT DOWN STREAM OF BOXES & MEDIUM PRESSURE CONSTRUCTION STANDARDS FOR PRIMARY AIR DUCT.
5. ALL DUCTS SHALL BE SUPPORTED WITH 1" WIDE, 16 GAUGE NON-PERFORATED GALVANIZED STEEL BANDS.
6. MAXIMUM LENGTH OF FLEXIBLE ROUND DUCT SHALL NOT EXCEED 3'-0" HORIZONTALLY, AT DIFFUSERS ONLY.
7. ALL DUCT DIMENSIONS SHOWN ON PLANS ARE NET FREE AREA, INCREASE SHEETMETAL SIZE AS REQUIRED FOR INTERNAL INSULATION.
8. ALL RECTANGULAR DUCTWORK SHALL BE INSULATED WITH CLOSED CELL ELASTOMERIC INSULATION w/MINIMUM 1/2" 1 1/2 LB. DENSITY INTERNAL DUCT LINER. (FIBERGLASS DUCT LINER IS NOT PERMITTED.) ALL ROUND DUCTWORK SHALL HAVE MINIMUM 2" BLANKET TYPE INSULATION w/FOIL BACK & ALL JOINTS LAPPED AND TAPED.
9. ALL METAL DUCT SHALL BE GALVANIZED SHEET STEEL. ALUMINUM IS NOT ACCEPTABLE. GAUGE OF METAL AND CONSTRUCTION OF DUCT SHALL BE IN ACCORDANCE WITH SMACNA MEDIUM & LOW VELOCITY DUCT STANDARDS.
10. ALL WORK SHALL BE WARRANTED FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE BY ARCHITECT. LOSS OF REFRIGERANT SHALL BE DEEMED DUE TO DEFECTIVE MATERIAL OR WORKMANSHIP.
11. CONTRACTOR SHALL PROVIDE FLEXIBLE CONNECTIONS AT ALL DUCT CONNECTIONS TO HEATING AND AIR CONDITIONING EQUIPMENT AND SHALL PROVIDE VIBRATION ISOLATION ON ALL MECHANICAL EQUIPMENT PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS.
12. CONTRACTOR SHALL COORDINATE LOCATION OF ALL SUPPLY AND RETURN AIR REGISTERS, DUCTS, GRILLES AND DIFFUSERS WITH LIGHTING AND CEILING PATTERNS.
13. INSULATE TOP OF DIFFUSERS/REGISTERS WITH 3-1/2" THICK CLOSED CELL ELASTOMERIC BATT INSULATION. SECURE INSULATION TO DIFFUSERS IN SIMILAR FASHION AS ROUND DUCT INSULATION.
14. ALL FIRE DAMPERS SHALL BE U.L. LISTED. PROVIDE ACCESS PANELS AS REQUIRED FOR SERVICE.
15. PROVIDE ARCHITECT WITH COMPLETE SET OF TEST AND BALANCE OF AIR DISTRIBUTION SYSTEM DOCUMENTATION UPON COMPLETION OF INSTALLATION.
16. CONTRACTOR SHALL FIRE STOP ALL PIPING PENETRATIONS OF FIRE, SMOKE, OR COMBINATION WALLS/PARTITIONS TO MEET THE LATEST NATIONAL BUILDING CODE REQUIREMENTS, SEE ARCH. SHT. A611.
17. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDDING TIME AND SHALL FAMILIARIZE HIMSELF W/ ALL EXISTING CONDITIONS.
18. THERMOSTATS AND ALL CONTROL DEVICES SHALL BE MOUNTED 48" A.F.F.
19. PAINT INSIDE OF RETURN AIR DUCTS BLACK BEHIND ALL RETURN AIR GRILLES.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ARCHITECTURAL DRAWINGS ALL FIRE RATED WALLS & CEILINGS AND SHALL FURNISH ALL FIRE DAMPERS/RADIATION DAMPERS REQUIRED.
21. ALL DETAILS AND NOTES ON THESE DRAWINGS SHALL BE APPLIED TO ALL OF THE DRAWINGS FOR THIS PROJECT.
22. COORDINATE WITH ELECTRICAL ALL OF THE POWER NEEDS, WIRING DEVICES ETC. AND FURNISH ALL ITEMS NOT FURNISHED UNDER THE ELECTRICAL.
23. SEISMIC MECHANICAL SUPPORTS TO BE DESIGNED BY AN ENGINEER EMPLOYED BY THE CONTRACTOR AND SUBMITTED FOR APPROVAL. COMPLY WITH SEISMIC BRACING REQUIREMENTS OF INTERNATIONAL BUILDING CODE. SEISMIC BRACING DEVICES SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. CONTRACTORS SHALL EMPLOY A REGISTERED PROFESSIONAL ENGINEER TO DESIGN SEISMIC RESTRAINTS FOR EQUIPMENT PURCHASED. SHOP DRAWINGS SHALL BEAR SEAL OF A PROFESSIONAL ENGINEER, LICENSED IN STATE, WITH MIN. 5 YEARS EXPRIENCE IN DESIGN OF SEISMIC BRACING SYSTEMS. SEISMIC DRAWINGS SHALL BE SUBMITTED TO LOCAL CODE ENFORCEMENT FOR APPROVAL PRIOR TO INSTALLATION. REFER TO STRUCTURAL ENGINEERING DOCUMENTS FOR ACCELERATION, BUILDING STRUCTURE, ETC. ALL MECHANICAL EQUIPMENT SHALL HAVE ANCHORING DEVICES INSTALLED TO MEET WINDLOAD REQUIREMENTS OF THE CURRENT FLORIDA BUIDING CODE AND FLORIDA MECHANICAL CODE.
24. ALL SYSTEMS SHALL COMPLY WITH HILTON WORLDWIDE, HOME2 STANDARDS, MOST CURRENT EDITION.

PTAC AIR CONDITIONER SCHEDULE

MARK	TOTAL CFM	O.S.A. CFM	COOLING COIL DATA				ELECTRIC HEATER		ELECTRICAL DATA (MCA)	EER	MAX. FUSE	REMARKS
			ENT. AIR		TOTAL CAPACITY	AMB	KW	VOLTAGE				
			DB F	WB F								
PTAC	270		80°F	67°F	8,900	95°F	3.5/2.9	230/208V. /1/60	19.4 208/1/60	11.5	20 AMP	AMANA PTC093G35C, WITH DIGITAL THERMOSTATS, OR APPROVED EQUAL MANUFACTURER.

ACCESSORIES:
(1) ELECTRICAL SUBBASE,
(2) CONDENSATION EVAPORATION SYSTEM AND SECONDARY DRAIN KIT, EXTEND AND CONNECT TO DRAIN PIPE PROVIDED BY PLUMBER, COORDINATE WITH PLUMBER.
(3) CONTROLS SHALL PREVENT OPERATION OF COMPRESSOR AND ELECTRIC HEAT AT THE SAME TIME,
(4) ARCHITECTURAL DECORATIVE LOUVER, AS MANUFACTURED BY RELIABLE PRODUCTS. LOUVERS SHALL BE CONSTRUCTED OF ALUMINUM WITH CUSTOM FINISH AS DIRECTED BY THE ARCHITECT,
(5) REMOTE MOUNTED THERMOSTAT'S.

MAKE-UP AIR UNIT SCHEDULE

TAG	MFR. & MODEL	TOTAL CFM	COOLING						HEATING				SUPP FAN										WEIGHT
			CAPACITY (MBH)		ENT AIR		LVG AIR		CAPACITY (MBH)		AIR TEMP		H.P.	FRPM	E.S.P.	VOLTAGE	COMP	EVAP FAN	COND FAN	M.C.A.	MOCP	EER	
			SENSIBLE	TOTAL	DB	WB	DB	WB	INPUT	OUTPUT	ENT	LVG					RLA	FLA	FLA				(LBS)
MUA-1	AAON RN-025-8-0-BA02-38B HORIZONTAL DISCHARGE	3,740	117.85	316.86	83.4	78.75	53.29	53.09	495.0	328.1	15.2	96.4	3.0	1015	1.5	208/3/60	2x48.1	10.6	3x3.4	129	175	11.3	4,000
MUA-2	AAON RN-025-8-0-BA02-38B HORIZONTAL DISCHARGE	3560	116.30	311.11	83.4	78.75	52.19	51.99	270.0	218.7	15.2	72.10	3.0	1003	1.5	208/3/60	2x48.1	10.6	3x3.4	129	175	11.3	4,000

1. FACTORY ASSEMBLED, PIPED, WIRED AND TESTED AS A SINGLE PACKAGE.
2. UNIT SHALL INCLUDE A 100% OUTSIDE AIR HOOD WITH 2 POSITION MOTORIZED DAMPER.
3. UNIT SHALL INCLUDE 2 STAGE COOLING, 2 COMPRESSOR CIRCUITS WITH INTERLACED-CIRCUIT DX COIL (HORIZONTAL SPLIT NOT ACCEPTABLE).
4. UNIT SHALL INCLUDE MODULATING NATURAL GAS HEATING WITH 304 STAINLESS STEEL HEAT EXCHANGER WITH A 25 YEAR WARRANTY (PARTS) ONLY).
5. UNIT SHALL INCLUDE HOT GAS BYPASS ON ALL REFRIGERATION CIRCUITS (FROST-STAT COMPRESSOR CYCLING NOT ACCEPTABLE).
6. UNIT SHALL INCLUDE MODULATING HOT GAS REHEAT COIL FOR DEHUMIDIFICATION (2 POSITION OR DEDICATED HEAT PUMP CIRCUIT NOT ACCEPTABLE).
7. UNIT SHALL INCLUDE STAINLESS STEEL DRAIN PAN WITH FACTORY MOUNTED/WIRED CONDENSATE OVERFLOW SWITCH.
8. UNIT SHALL INCLUDE SUPPLY FAN VFD FOR AIRFLOW BALANCING.
9. UNIT SHALL INCLUDE ALL MODULATING CONDENSER FAN MOTORS FOR CONDENSER HEAD PRESSURE CONTROL. (ON/OFF FAN CYCLING NOT ACCEPTABLE.
10. UNIT SHALL INCLUDE 4" MERV 12 FILTERS WITH 2" MERV 8 PRE-FILTERS. PROVIDE METAL MESH SCREEN ON LEAVING SIDE OF FILTER RACK TO PREVENT DIRTY FILTER COLLAPSE ONTO COIL.
11. CONTROLS: VCCX CONTROLLER WITH AMBIENT DEWPOINT SENSOR; ELECTRONIC SEQUENCING OF COMPRESSORS AND HEATING AND MODULATING HOT GAS RE-HEATING. THE INTENTION OF THIS UNIT IS TO PROVIDE CONTINUOUS DEHUMIDIFICATION OF OUTSIDE AIR WHILE ALSO PROVIDING TEMPERATURE CONTROL TO THE SPACE IT SERVES. IF HUMIDISTAT CAUSES OVERCOOLING IN THE SPACE, THE MODULATING HOT GAS REHEAT VALVE SHALL OPEN TO SATISFY THE CONDITIONED SPACE REQUIREMENT. FIELD MOUNTED CONTROLS SHALL INCLUDE A DUCT MOUNTED LEAVING AIR STAT AND A WALL MOUNTED STAT (SEE PLANS FOR LOCATION). ALL UNIT MOUNTED CONTROLS FOR COMPLETE OPERATION SHALL BE INSTALLED BY THE EQUIPMENT MANUFACTURER.
12. 2" FOAM INJECTED INSULATED (MINIMUM R13 VALUE) DOUBLE WALL CABINET CONSTRUCTION WITH INTERNAL CABINET CORROSION PROTECTION PACKAGE.
13. UNIT SHALL INCLUDE INTEGRAL NON-FUSED DISCONNECT.
14. DUCT MOUNTED SMOKE DETECTOR PROVIDED BY ELECTRICAL, INSTALLED BY MECHANICAL.
15. UNIT SHALL INCLUDE WIND RATED ROOF CURB/PLENUM WITH VIBRATION ISOLATION RAILS. HEIGHT TBD.
16. ENTIRE UNIT SHALL BE AHRI LISTED AND CERTIFIED (COIL ONLY CERTIFICATION IS NOT ACCEPTABLE).
17. COMPRESSORS SHALL HAVE 5 YEAR WARRANTY (PARTS ONLY).
18. CONTACT GORHAM/SCHAFFLER, INC. FOR INFORMATION PHONE: 1-901-345-6100.

ALL ROOF MOUNTED EQUIPMENT SHALL HAVE ENGINEERED, WIND RATED ROOF CURB, SLOPED TO MATCH ROOF SLOPE. CONTRACTOR SHALL INCLUDE ROOF ACCESSARY 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.

FAN SCHEDULE

MARK	DESCRIPTION
EF-1	GREENHECK MODEL SP-B50, CEILING MOUNTED EXHAUST FAN, WITH CEILING RADIATION DAMPER, 50 CFM @ .25" SP, 38 WATTS @ 120 VOLT. INDIVIDUAL WALL SWITCHES.
EF-2	GREENHECK MODEL SP-B90, CEILING MOUNTED EXHAUST FAN, 75 CFM @ .25" SP, 50 WATTS @ 120 VOLT.
EF-3	GREENHECK MODEL SP-A410 CEILING MOUNTED EXHAUST FAN, 350 CFM @ .25" ESP, 121 WATTS @ 120 V. COMPLETE W/ BIRDSCREEN, BACKDRAFT DAMPER, & DISCONNECT.
EF-4	GREENHECK MODEL SQ-130 CEILING MOUNTED IN-LINE EXHAUST FAN, 1025 CFM @ .5" ESP, 1/4 HP, 6.5 SONES @ 120 V. COMPLETE WITH DISCONNECT.

* ALL EXHAUST DUCT SHALL BE METAL DUCT, MIN. 26 GA. NO FLEX PERMITTED.

HEATING AND AIR CONDITIONING SCHEDULE

	AIR HANDLING UNIT										CONDENSING UNIT							
	MFR. & MODEL	TOTAL CFM	O.S.A. CFM	TOTAL COOLING	SENSIBLE COOLING	E.S.P.	VOLTAGE	H.P.	ELEC HT KW	SINGLE POINT CONNECTION MCA	MFG & MODEL	M.C.A.	COMP. R.L.A.	FAN F.L.A.	VOLTAGE	SEER	REMARKS	AREA SERVED
AHU-1	TRANE GAM5B0B36	1200	250	35,200	27,000	.7"	208/1/60	1/2	7.2	48	CU-1 TRANE 4TTA4036A3	12.0	9.0	0.77	208/3/60	14.0	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	GATHERING
AHU-2	TRANE GAM5B0B36	1200	250	35,200	27,000	.7"	208/1/60	1/2	7.2	48	CU-2 TRANE 4TTA4036A3	12.0	9.0	0.77	208/3/60	14.0	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	GATHERING
AHU-3	TRANE GAM5B0B36	1200	240	35,200	27,000	.7"	208/1/60	1/2	7.2	48	CU-3 TRANE 4TTA4036A3	12.0	9.0	0.77	208/3/60	14.0	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	MEETING
AHU-4	TRANE GAM5B0B36	1200	240	35,200	27,000	.7"	208/1/60	1/2	7.2	48	CU-4 TRANE 4TTA4036A3	12.0	9.0	0.77	208/3/60	14.0	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	MEETING
AHU-5	TRANE GAM5B0C48	1600	340	47,000	36,000	.6"	208/3/60	3/4	10.80	44	CU-5 TRANE 4TTX8048	28.0	20.4	2.8	208/1/60	18.0	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	FITNESS
AHU-6	TRANE GAM5B0B36	1200	200	35,200	27,000	.7"	208/1/60	1/2	7.2	48	CU-6 TRANE 4TTA4036A3	12.0	9.0	0.77	208/3/60	14.0	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	LAUNDRY
AHU-7	TRANE GAM5B0B36	1200	380	35,200	27,000	.7"	208/1/60	1/2	7.2	48	CU-7 TRANE 4TTA4036A3	12.0	9.0	0.77	208/3/60	14.0	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	BREAKFAST
AHU-8	TRANE GAM5B0A24	800	0	23,800	18,000	.6"	208/1/60	1/3	5.76	38	CU-8 TRANE 4TTA4024L1	14.0	10.1	0.90	208/1/60	14.0	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	RESTROOMS
AHU-9 AHU-10 AHU-11	MITSUBISHI PKA-A18HA	370	0	18,000	.	.1"	208/1/60	MCA 1		MOP 15	CU-9 CU-10 CU-11 PUY-A18NHA4				208/1/60 13 MCA	15.1	COMPLETE W/ WALL MOUNTED T'STAT, WITH TIME DELAY AND HARD START KIT. WIRED REMOTE CONTROL.	ELEVATOR EQ PBX

NOTE:
1. CONTRACTOR SHALL EXAMINE AND COORDINATE WITH ALL COMPONENTS OF BUILDING CONSTRUCTION PRIOR TO LOCATING & SETTING OF H.V.A.C. EQUIPMENT AND NOTIFY ARCHITECT OF ANY CONFLICT.
2. ALL AHU'S SHALL HAVE SMOKE DETECTORS IN THE SUPPLY AIR DUCT, TO SOUND AN AUDIBLE ALARM AND SHUT DOWN UNIT
3. ALL AHU'S TO BE SET ON RAISED PLATFORMS/PLENUMS OR HAVE THE RA DUCT TIED INTO THE AHU'S, DO NOT USE MECH ROOM FOR PLENUM.
4. ALL THERMOSTATS TO HAVE SECURITY COVERS.
5. ALL UNITS SHALL HAVE PLENUM RATED CONDENSATE OVERFLOW CONTROL SWITCH, TO SHUT-OFF SYSTEM UPON WATER RISING.
6. ALL FANS TO RUN CONTINUOUSLY.

ALL ROOF MOUNTED EQUIPMENT SHALL HAVE ENGINEERED, WIND RATED ROOF CURB, SLOPED TO MATCH ROOF SLOPE. CONTRACTOR SHALL INCLUDE ROOF ACCESSARY 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.

GRILLES, REGISTERS AND DIFFUSERS

TYPE	MFR. & MODEL	REMARKS
CD LAY-IN	PRICE ASCDA	ADJUSTABLE LOUVERED FACE, ALUMINUM CONSTRUCTION WITH 4 CONES, LAY-IN T-BAR FRAME (TYPE 3) AND OPPOSED BLADE DAMPERS.
CD SURFACE	PRICE ASCDA	ADJUSTABLE LOUVERED FACE, ALUMINUM CONSTRUCTION WITH 4 CONES, SURFACE MOUNTING FRAME (TYPE 3), 12x12 OR 24x24 AMF FRAME FOR SURFACE MOUNTING, AND VCR9 OPPOSED BLADE DAMPERS.
RAG/EAG CEILING	PRICE APDDR	FLUSH PERFORATED FACE, ALUMINUM FACEPLATE WITH MAXIMUM SQUARE NECK FOR PLENUM RETURN AND FRAME FOR LAY-IN CEILING OR SURFACE MOUNTING WITH 12x12 OR 24x24 AMF FRAME.
DG	PRICE ATG1-BF	HEAVY DUTY ALUMINUM DOOR GRILLE WITH SIGHT PROOF APPEARANCE AND FLAT BORDER FRAME BOTH SIDES. FURNISHED WITH AND INSTALLED BY THE DOOR MANUCATURER.
LOUVER	.	LOUVERS SHALL HAVE 50% FREE AREA AND FINISH TO MATCH AND/OR COMPLY WITH HILTON STANDARDS FOR HOME2 HOTELS. COORDINATED WITH ARCHITECT AND OWNER.

CONTRACTOR SHALL VERIFY CEILING TYPES AND FURNISH FRAME STYLES ACCORDINGLY.

AIR BALANCE SCHEDULE

GUEST ROOM EXHAUST	= 3,261 CFM
RR, VENDING, STORAGE	= 3,775 CFM
TOTAL EXHAUST AIR	= 7,036 CFM
MUA-1 & MUA-2	= 7,400 CFM
TOTAL MAKE-UP AIR	= 7,400 CFM
DIFFERENCE	= +364 CFM

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

1 ST FLR. AIR BALANCE SCHEDULE

1 ST GUEST ROOM	= 225 CFM
RR, VENDING, STORAGE	= 1,450 CFM
TOTAL EXHAUST AIR	= 1,675 CFM
AHU-1 THRU 5	= 1,900 CFM
TOTAL MAKE-UP AIR	= 1,900 CFM
DIFFERENCE	= +225 CFM

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

2ND FLR. AIR BALANCE SCHEDULE

2ND GUEST ROOMS	= 1,012 CFM
RR, VENDING, STORAGE	= 775 CFM
TOTAL EXHAUST AIR	= 1,787 CFM
MUA-1 & MUA-2	= 1,800 CFM
DIFFERENCE	= +13 CFM

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

3RD FLR. AIR BALANCE SCHEDULE

3RD GUEST ROOMS	= 1,012 CFM
RR, VENDING, STORAGE	= 775 CFM
TOTAL EXHAUST AIR	= 1,787 CFM
MUA-1 & MUA-2	= 1,800 CFM
DIFFERENCE	= +13 CFM

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

4TH FLR. AIR BALANCE SCHEDULE

4TH GUEST ROOMS	= 1,012 CFM
RR, VENDING, STORAGE	= 775 CFM
TOTAL EXHAUST AIR	= 1,787 CFM
MUA-1 & MUA-2	= 1,800 CFM
DIFFERENCE	= +13 CFM

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

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REVISIONS		
No.	Date	Description
.	4/16/19	.
3	5/21/19	Added PB

RYAN J. HERTTER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 5/21/19

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
Released for

Sheet No. M300

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REVISIONS		
No.	Date	Description
1	7/01/19	CITY PLAN REVIEW

RYAN J. HERTZ — LICENSED PROFESSIONAL ENGINEER — 19012 — STATE OF MISSISSIPPI
7/16/19

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
First Floor Plan

Phase
Construction Documentss

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

14/2019 7:45:21 AM

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1	4:22:19	Owner Re: uest

RYAN J. HERTTER LICENSED PROFESSIONAL ENGINEER 19612 STATE OF MISSISSIPPI 4/22/19

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
First Floor Plan

Phase
Construction Documentss

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

Sheet No. P101A

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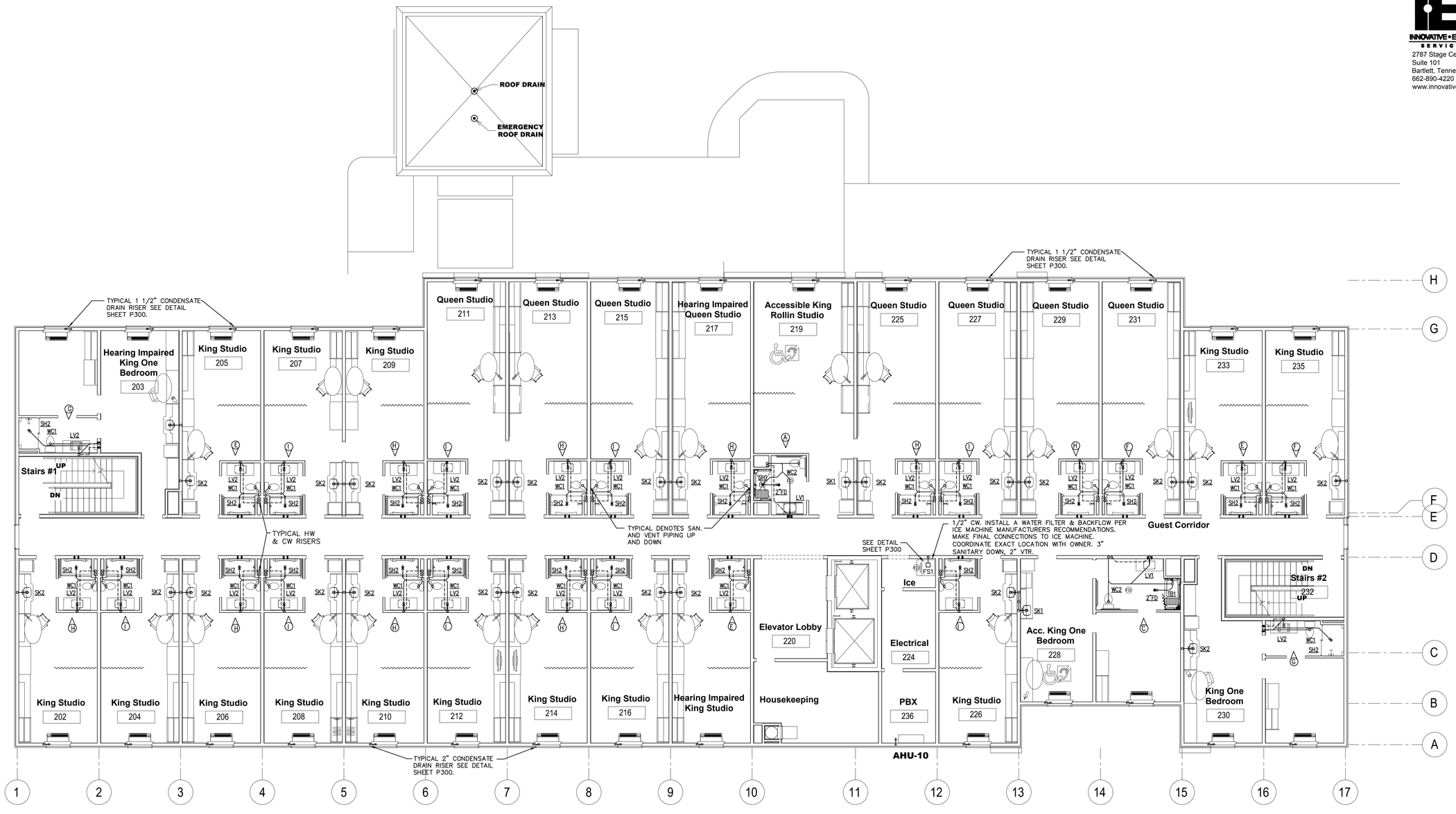

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REVISIONS		
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RYAN J. HERTZER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 4/2/19

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Second Floor Plan

Phase
Construction Documentss

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Third Floor Plan

Phase
Construction Documentss

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

Sheet No.
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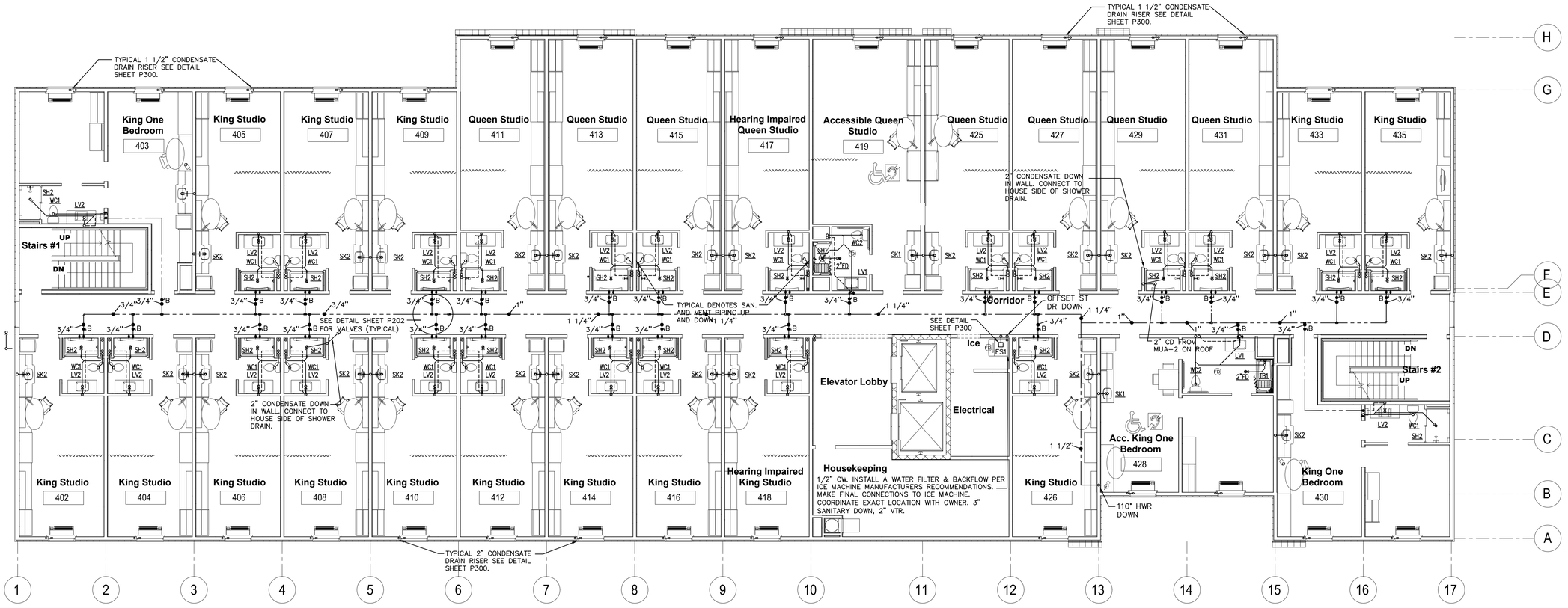

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RYAN J. HERTTER
LICENSED PROFESSIONAL
ENGINEER
19912
STATE OF MISSISSIPPI
4/2/19

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Fourth Floor Plan

Phase
Construction Documentss

Project No.	17-051
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Date	MAR. 28, 2019

Sheet No.
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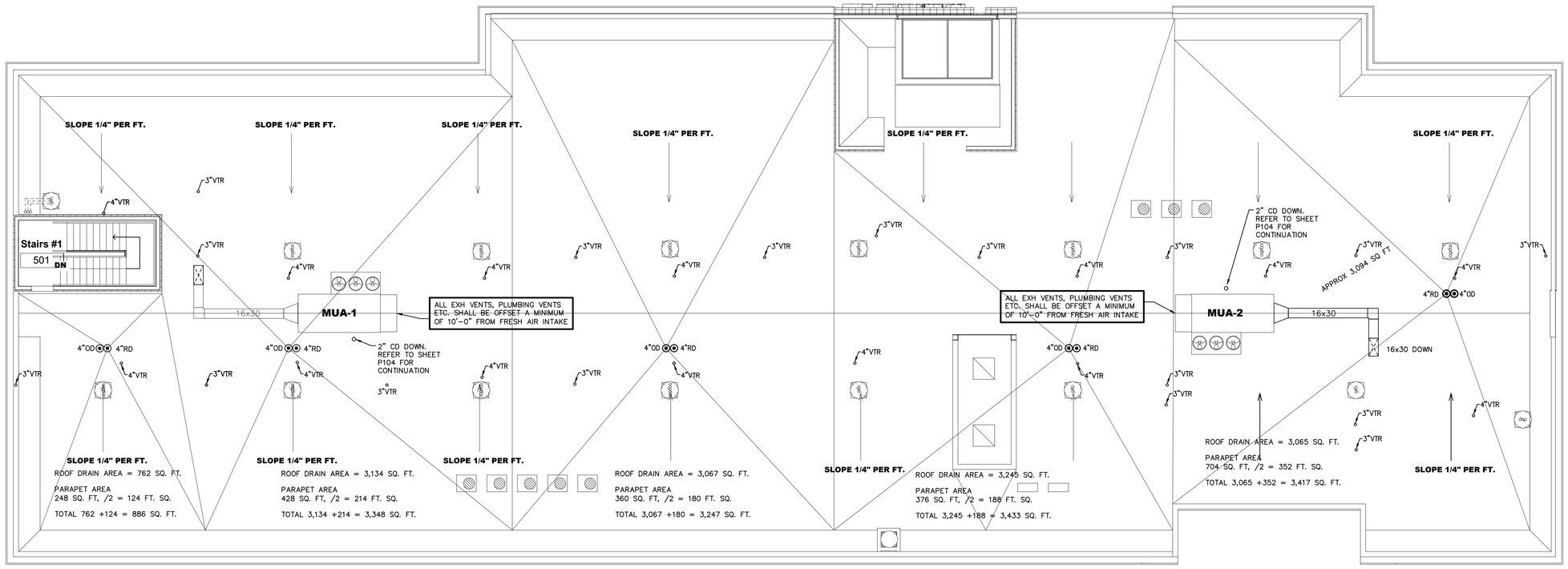

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RYAN J. HERTZER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 4/2/19

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Roof Plan

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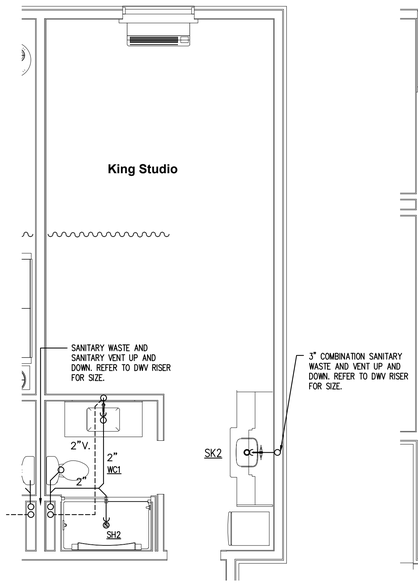
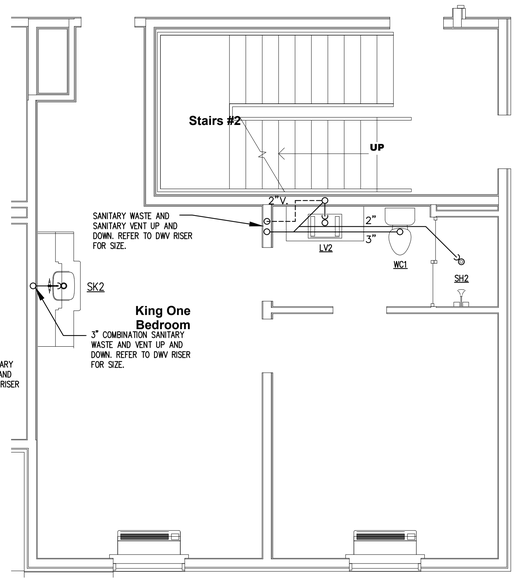
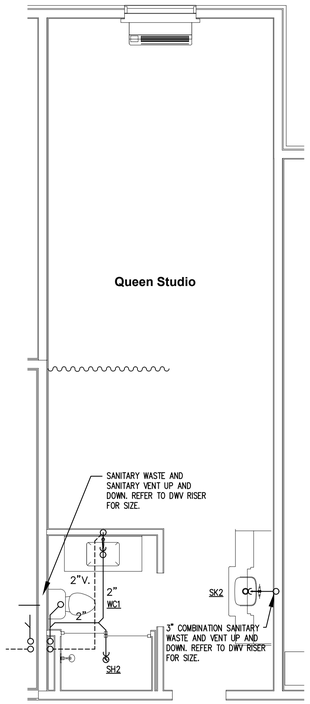
P105



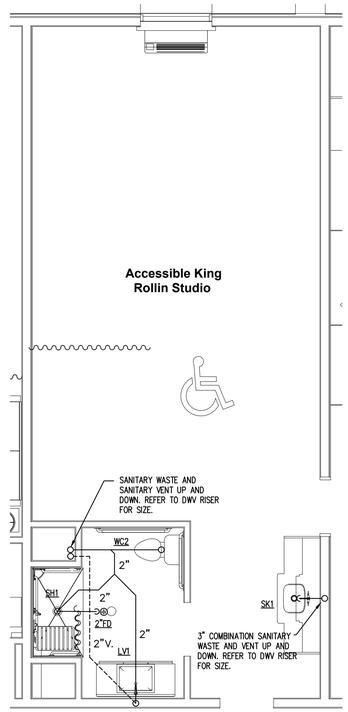
King Studio
SCALE 1/4" = 1'-0"



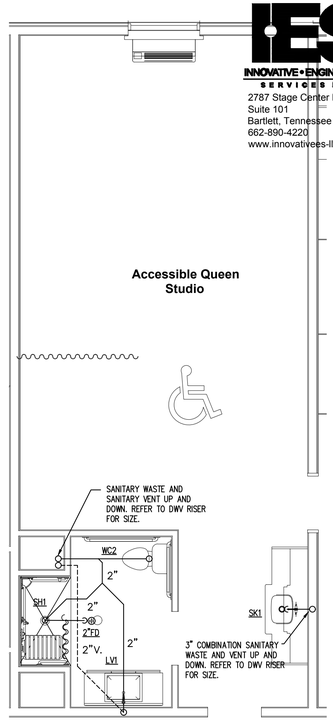
King One Bedroom
SCALE 1/4" = 1'-0"



Double Queen Studio
SCALE 1/4" = 1'-0"



Accessible King Roll-in Studio
SCALE 1/4" = 1'-0"



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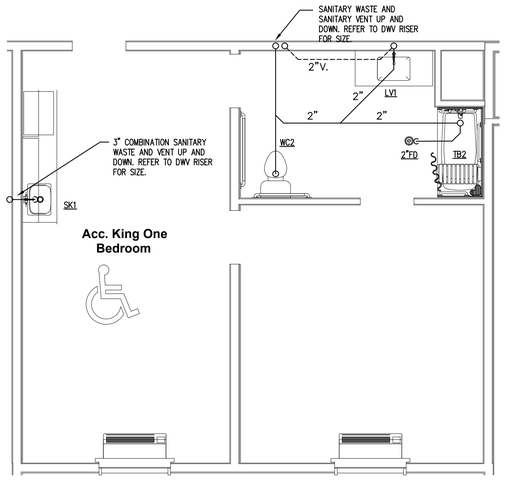
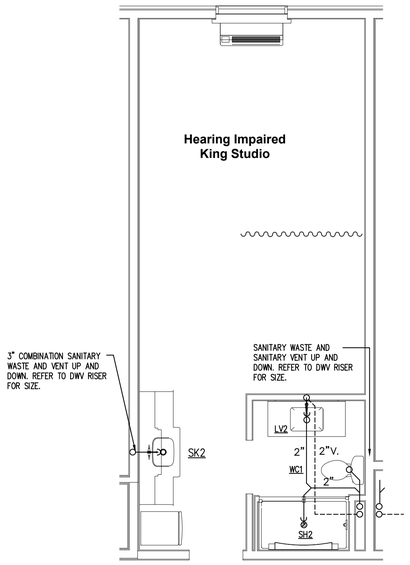
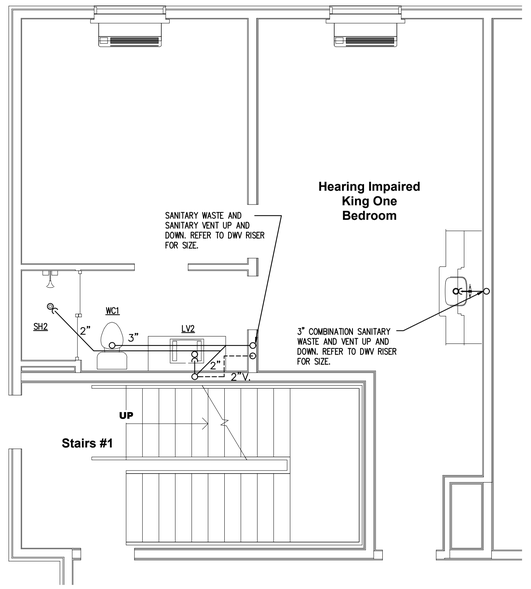


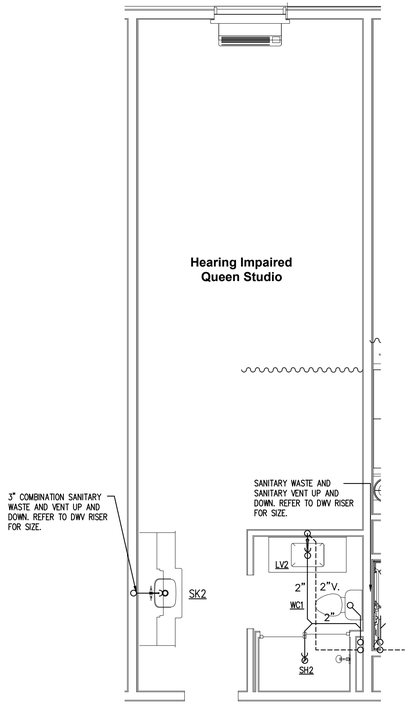
Accessible King One Bedroom
SCALE 1/4" = 1'-0"



Hearing Impaired King Studio
SCALE 1/4" = 1'-0"



Hearing Impaired King One Bedroom
SCALE 1/4" = 1'-0"



Hearing Impaired Queen Studio
SCALE 1/4" = 1'-0"

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

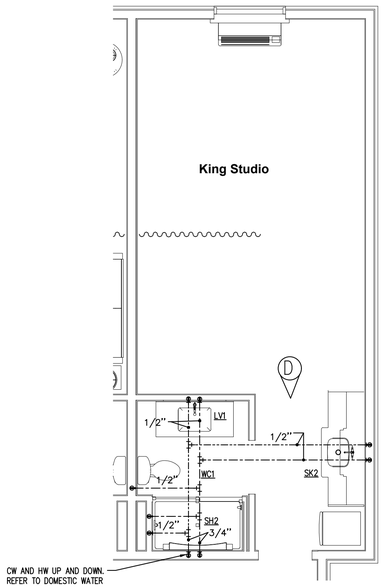
Drawing Title
Unit Plans - DWV

Phase
Construction Documentss

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

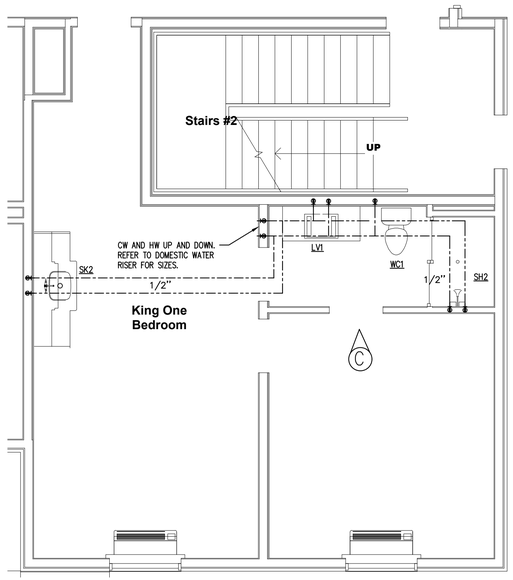
Sheet No.
P200

Released for



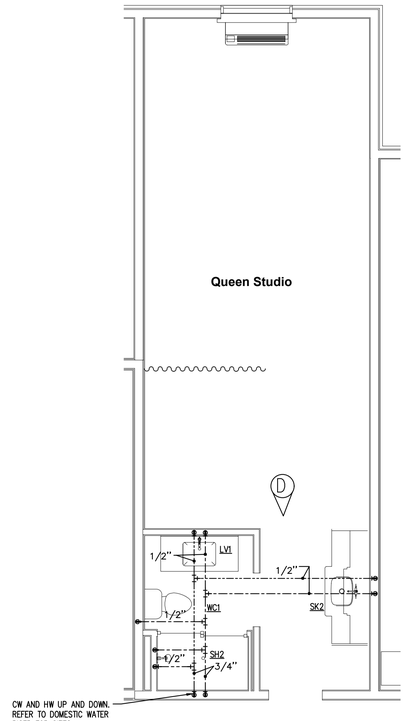
King Studio

SCALE 1/4" = 1'-0"



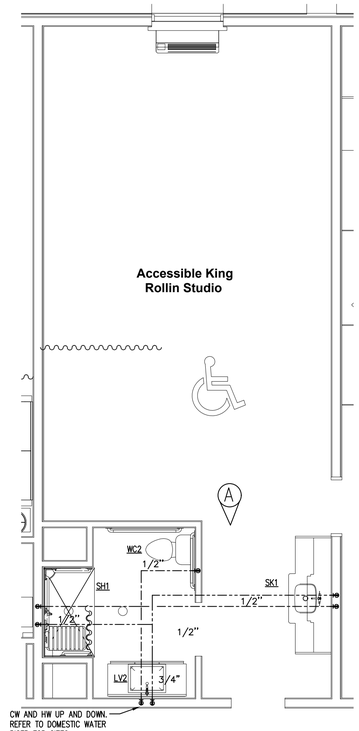
King One Bedroom

SCALE 1/4" = 1'-0"



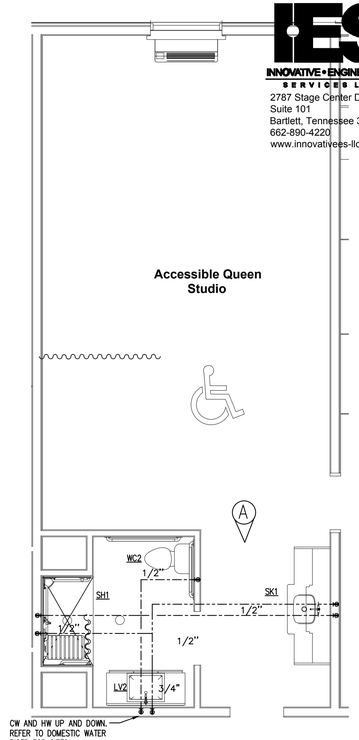
Double Queen Studio

SCALE 1/4" = 1'-0"



Accessible King Roll-in Studio

SCALE 1/4" = 1'-0"



Accessible Queen Studio

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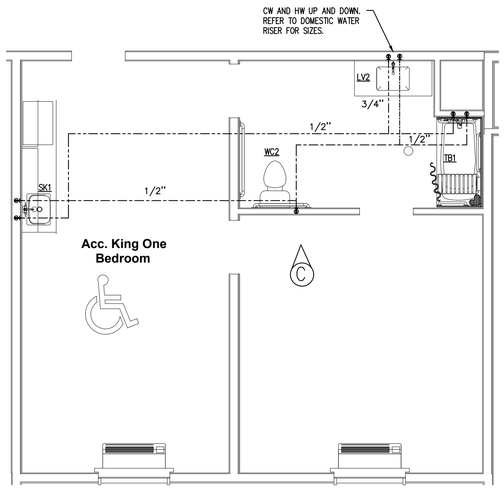
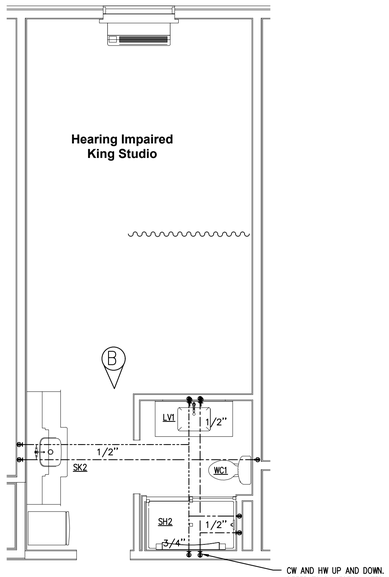


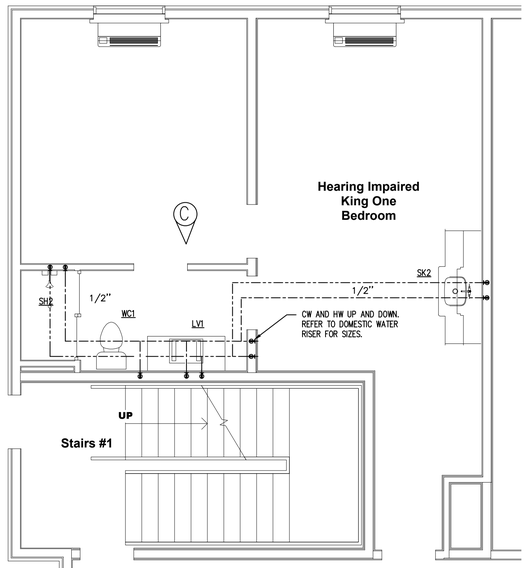
Accessible King One Bedroom

SCALE 1/4" = 1'-0"



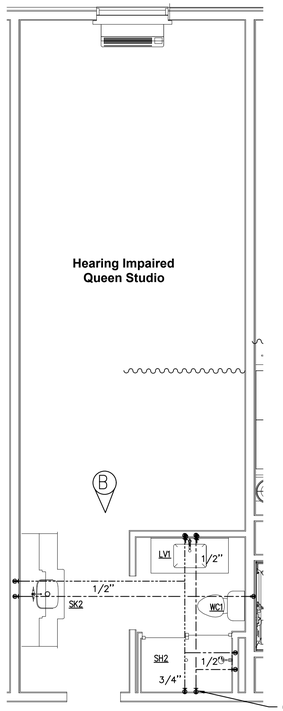
Hearing Impaired King Studio

SCALE 1/4" = 1'-0"



Hearing Impaired King One Bedroom

SCALE 1/4" = 1'-0"



Hearing Impaired Queen Studio

SCALE 1/4" = 1'-0"

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Unit Plans - Water

Phase
Construction Documentss

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

Sheet No.
P201

INNOVATIVE • ENGINEERING SERVICES LLC
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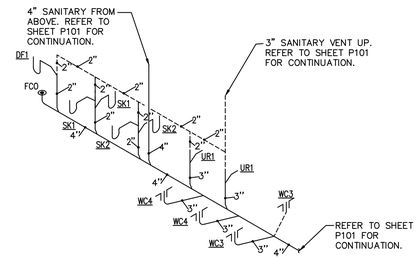

12 **DWV RISER**
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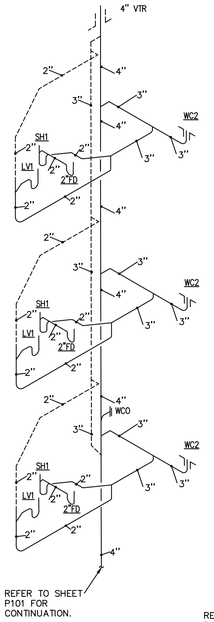

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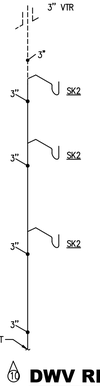

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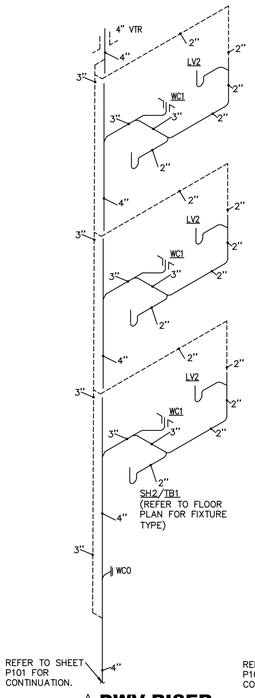

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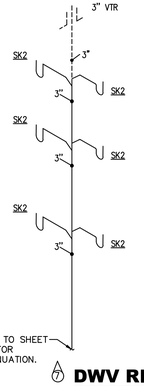
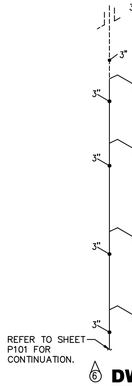
RISER NO. 9 IS A MIRROR IMAGE.



7 **DWV RISER**
NO SCALE

NOTE: COORDINATE ALL FIXTURE DESIGNATIONS WITH PLUMBING FLOOR PLANS AND ARCHITECTURAL DRAWINGS PRIOR TO ORDERING FIXTURES.



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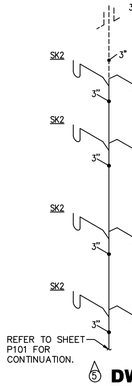

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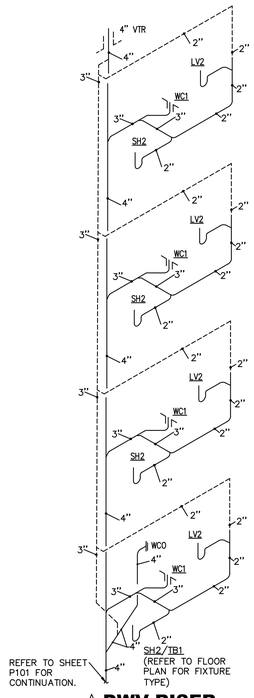

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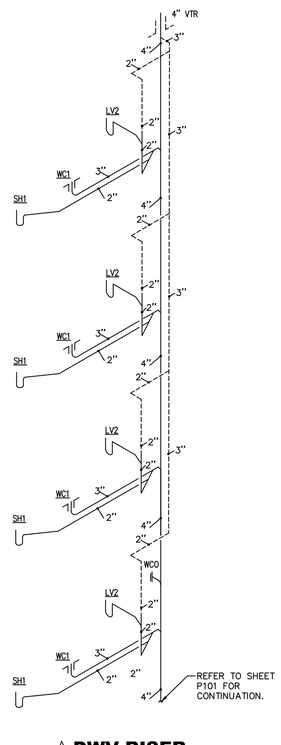

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RYAN J. HERTTER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 4/2/19

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

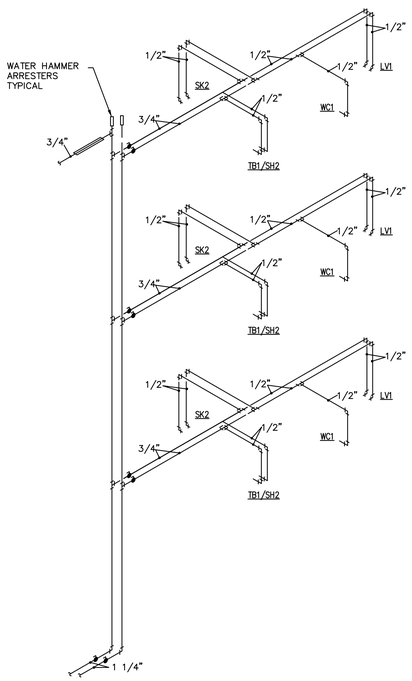
Drawing Title
Sanitary Risers

Phase
Construction Documentss

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

Sheet No.
P202

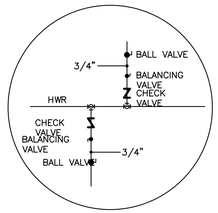
Released for



WATER RISER

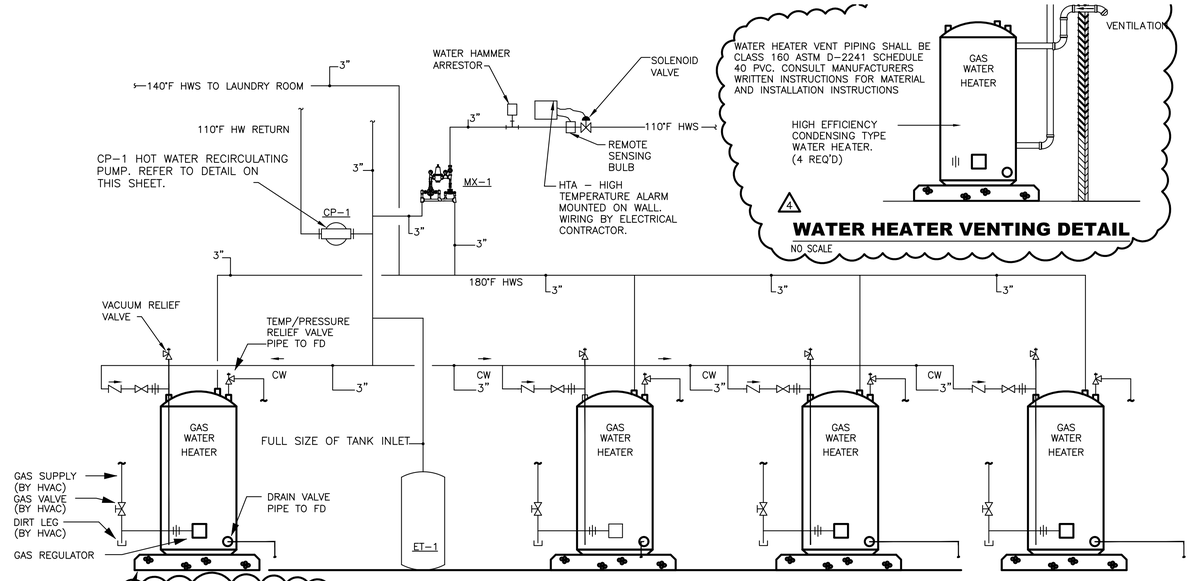
NO SCALE
"I" IS A MIRROR IMAGE

NOTE ALL BALANCING VALVES SHALL CONSIST OF A BALL VALVE FOR SERVING AND A CIRCUIT SOLVER VALVE MANUFACTURED BY THERMOMEGA TECH. SIZE TO BE DETERMINED ON THE DRAWING. (TYPICAL)



HOT WATER RETURN PIPNG DETAIL

NO SCALE



WATER HEATER VENTING DETAIL

NO SCALE

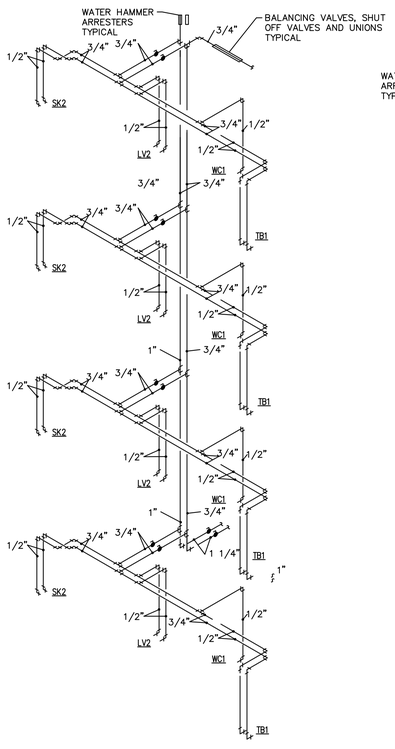
STATE SUF100-199NE(A) GAS FIRED HEATER WITH 100 GALLON STORAGE, 199,000 BTU INPUT, 3" PVC AIR INTAKE, 3" EXHAUST THROUGH EXTERIOR WALL. THIS PIPING DIAGRAM IS A SCHEMATIC ONLY. INSTALL A TRU-FLO MANIFOLD KIT PER MANUFACTURERS WRITTEN INSTRUCTIONS. (GAS PIPING BY HVAC AND ELECTRICAL CONNECTIONS BY ELECTRICAL).
ET-1 EQUAL TO WATTS PETA-140 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

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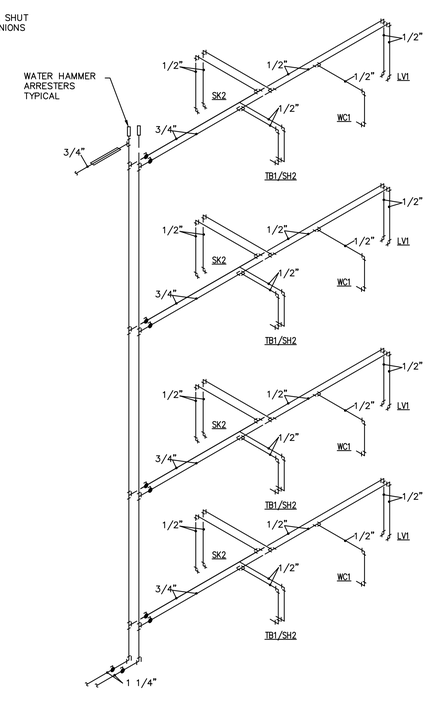

WATER RISER

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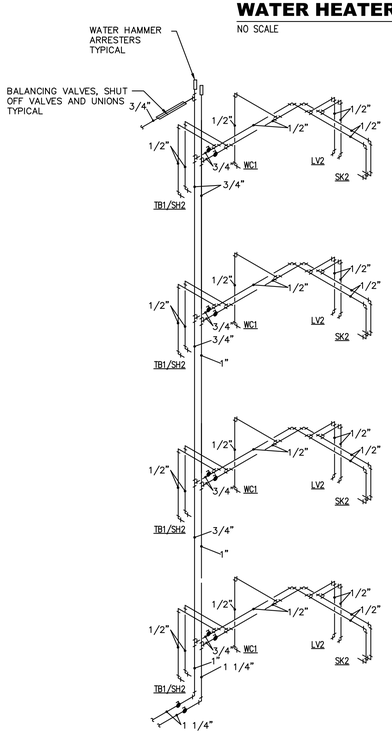

WATER RISER

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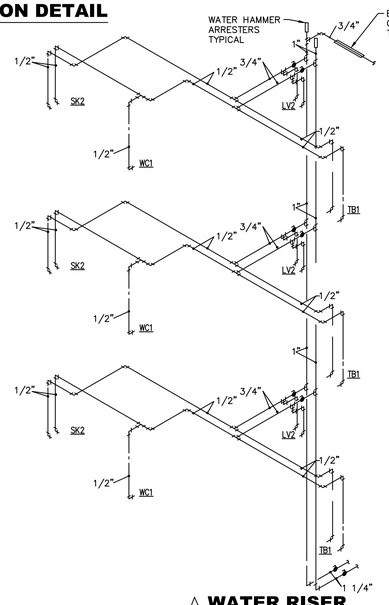
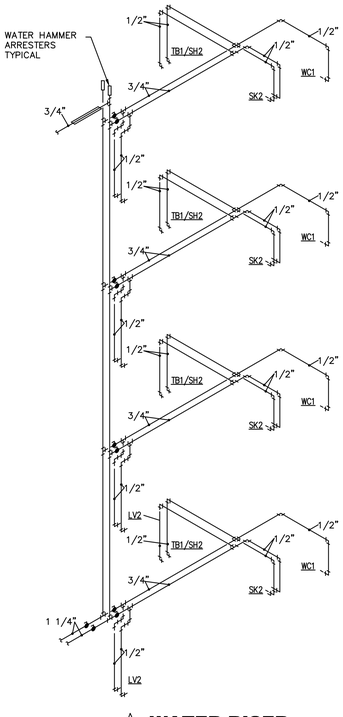


WATER RISER

NO SCALE
"B" IS A MIRROR IMAGE



WATER RISER

NO SCALE

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

RYAN J. HERTZER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI
7/16/19

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

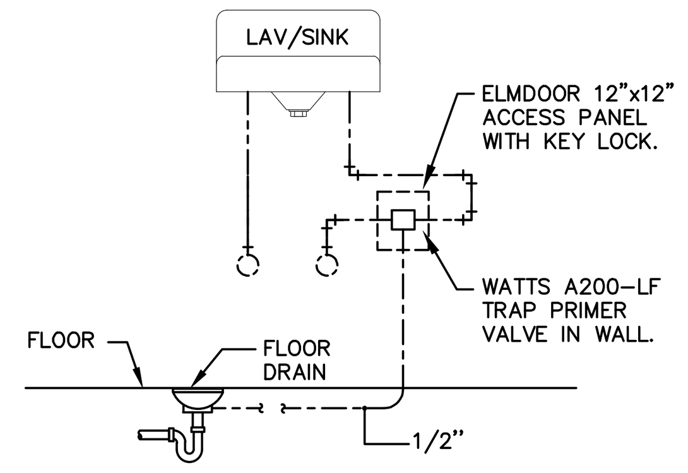
Drawing Title
Water Risers

Phase
Construction Documentss

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

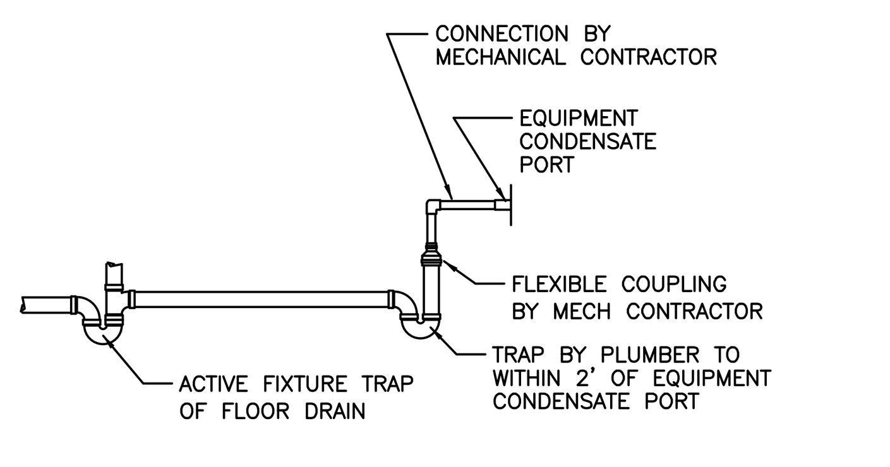
Sheet No.
P203

Released for



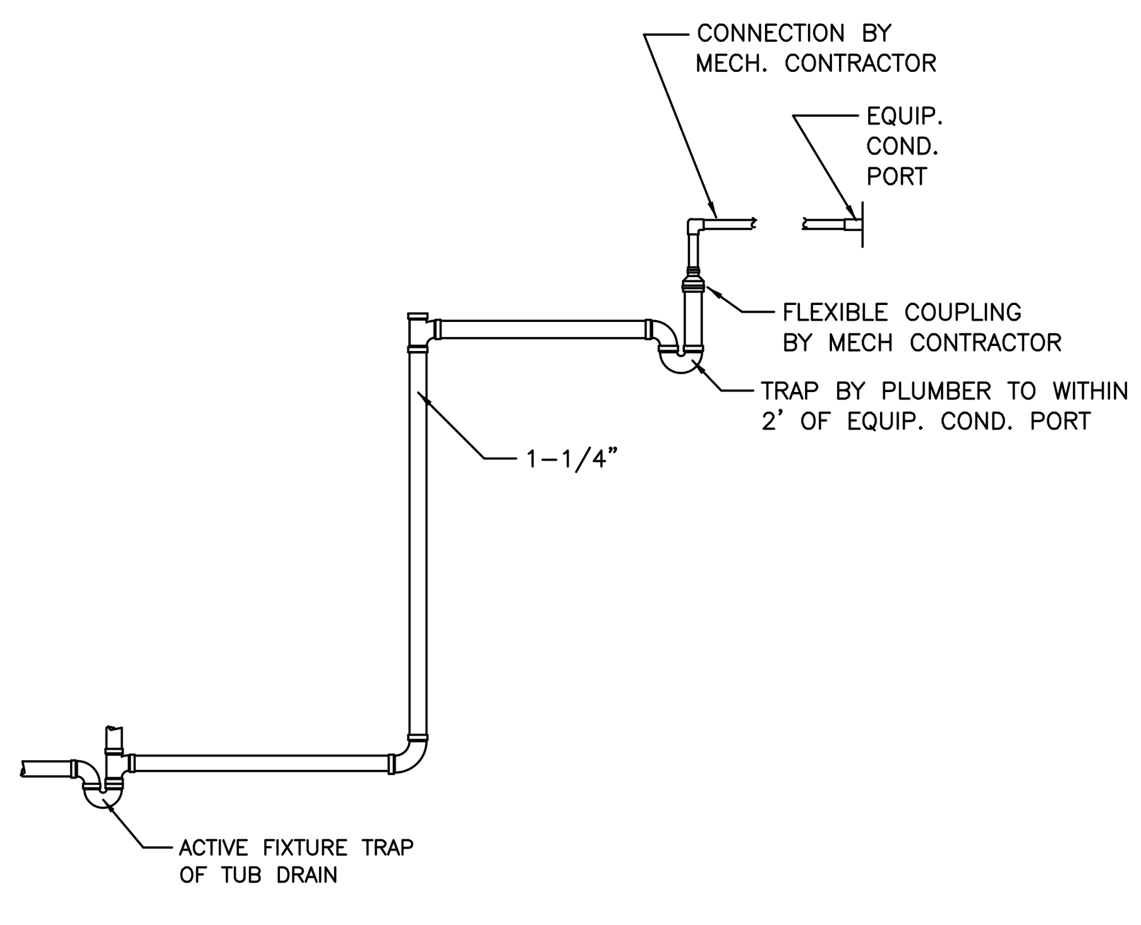
TRAP PRIMER AT LAVATORY OR SINK

SCALE: NONE



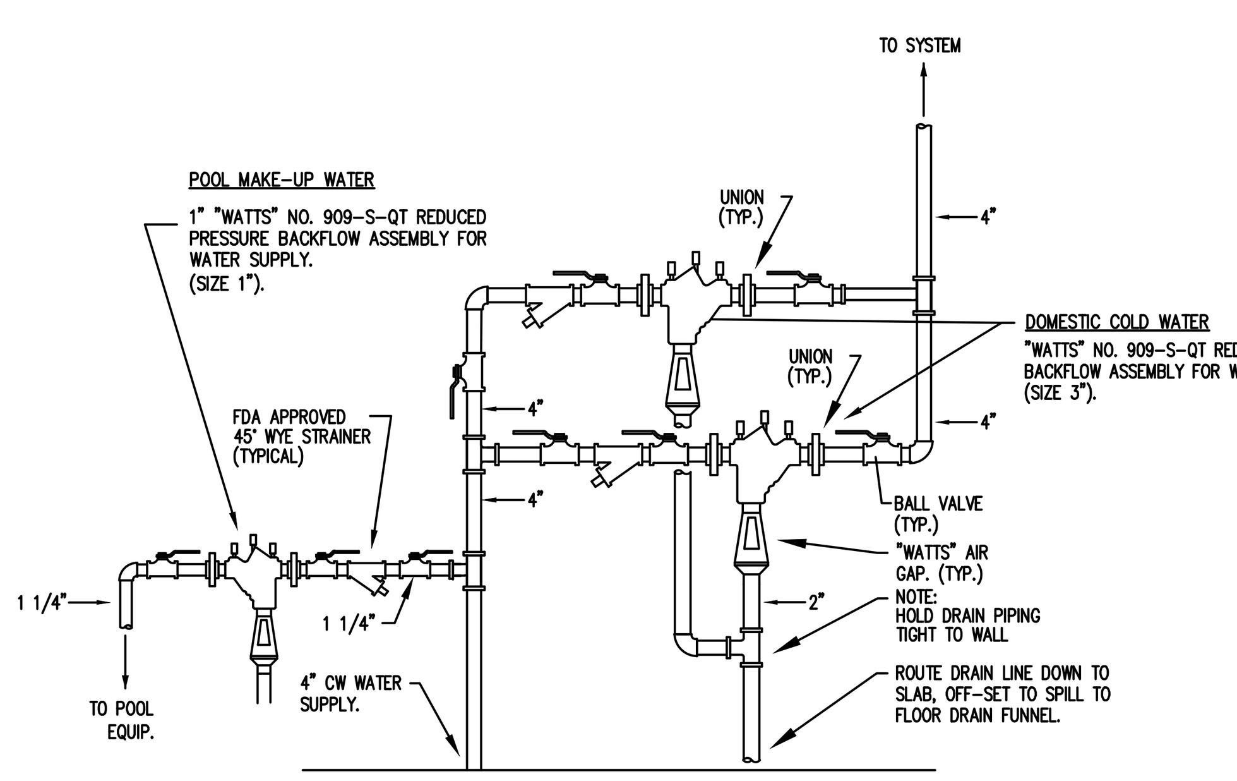
CONDENSATE HUB DRAIN AT FLOOR DRAIN

SCALE: NONE



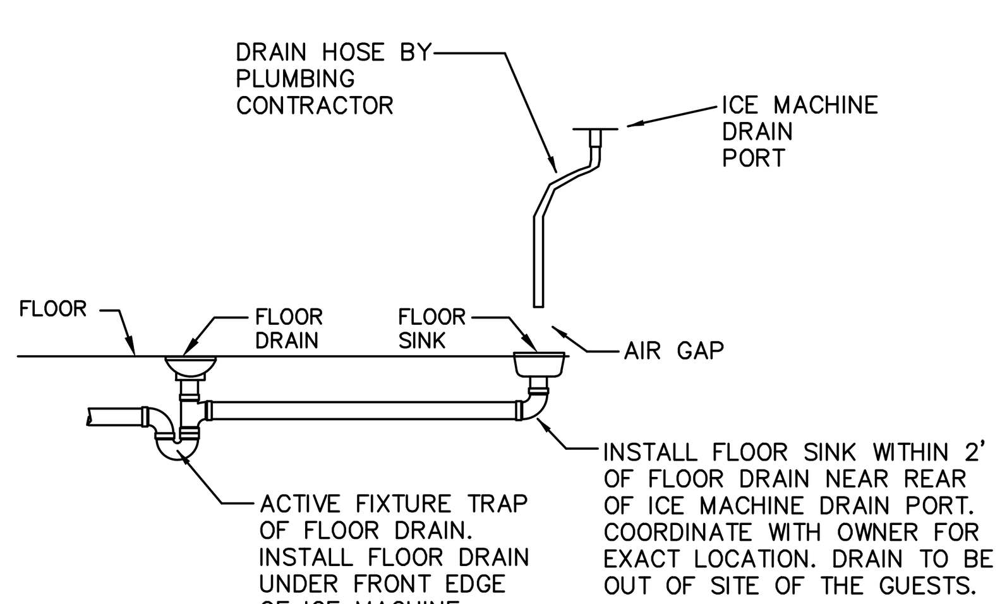
CONDENSATE HUB DRAIN AT WALL UNIT

SCALE: NONE



RP BACKFLOW ASSEMBLIES - DETAIL

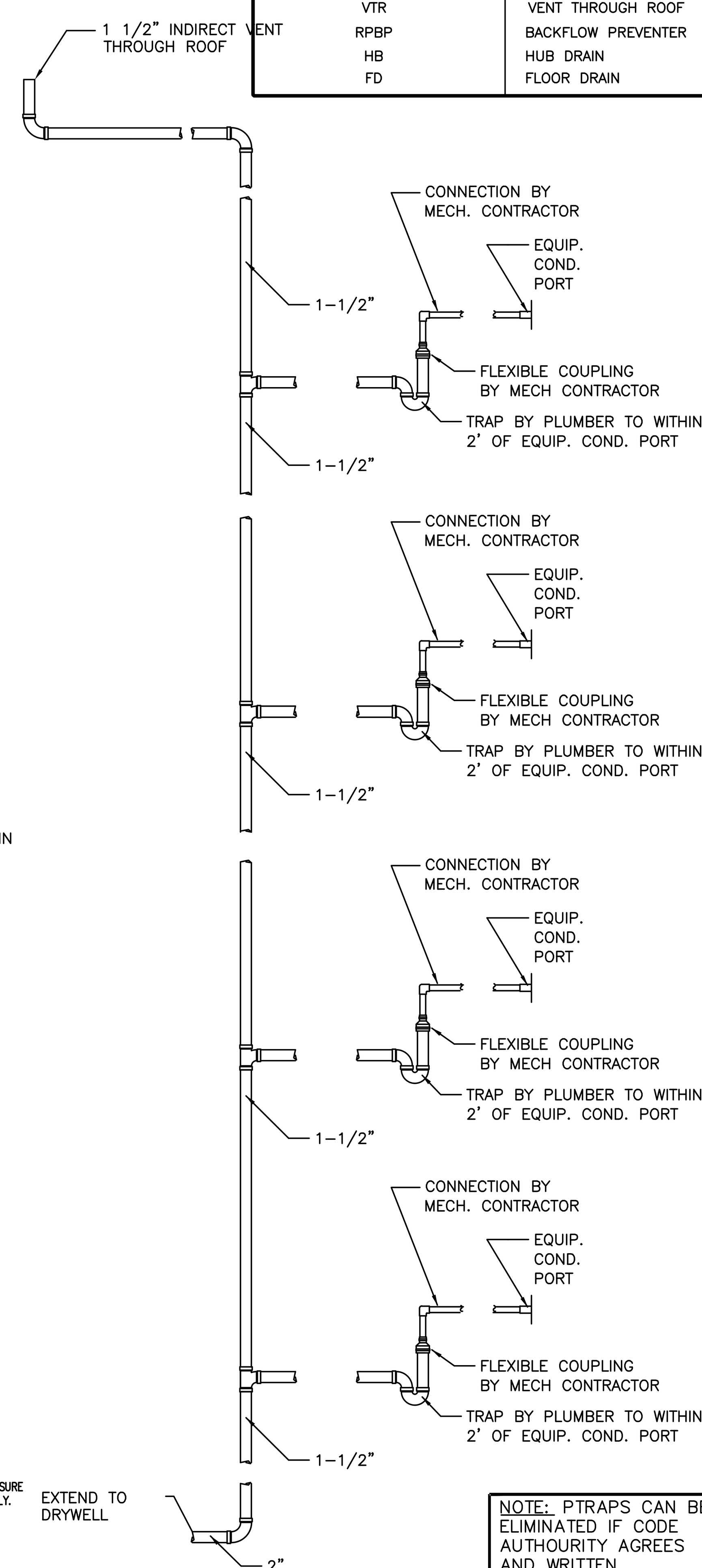
SCALE: NONE



ICE MACHINE HUB DRAIN AT FLOOR DRAIN

SCALE: NONE

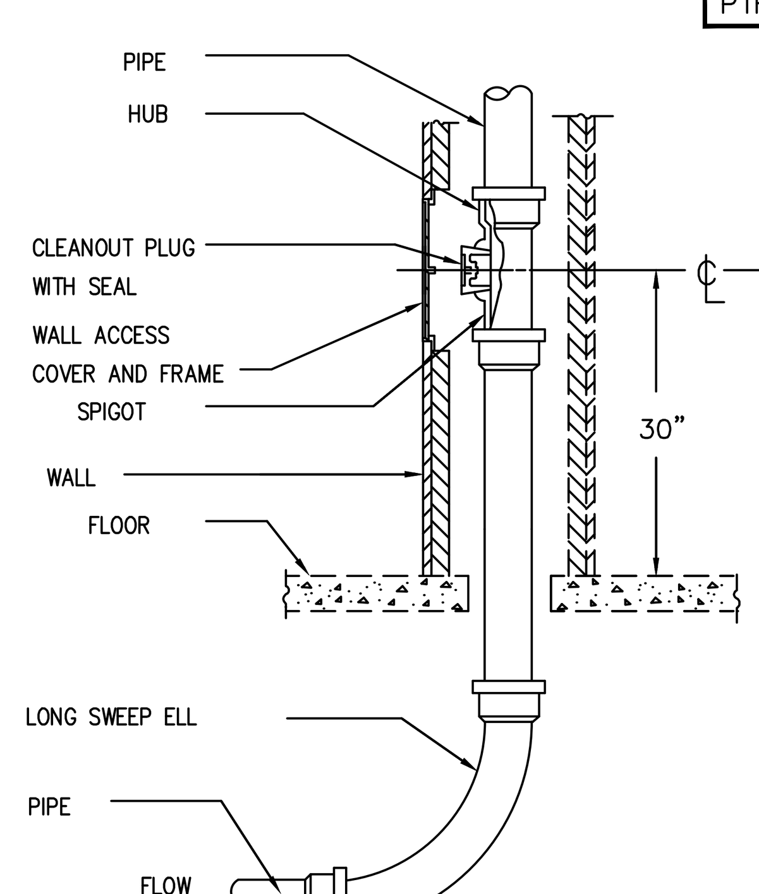
PLUMBING LEGEND	
(solid line)	SANITARY DRAIN, WASTE,
(dashed line)	VENT
——IW——	INDIRECT WASTE (IW)
(dashed line)	COLD WATER (CW)
——CD——	CONDENSATE WASTE (CD)
(dashed line)	HOT WATER (HW)
(dashed line)	HOT WATER RETURN (HWR)
(valve symbol)	BACKFLOW PREVENTER
COTG	CLEANOUT TO GRADE
FCO	FLOOR CLEANOUT
VTR	VENT THROUGH ROOF
RPBP	BACKFLOW PREVENTER
HB	HUB DRAIN
FD	FLOOR DRAIN



NOTE: PTRAPS CAN BE ELIMINATED IF CODE AUTHOURITY AGREES AND WRITTEN INSTRUCTIONS FROM PTAC MANUFACTURER ALLOW THE UNITS TO CONNECTED WITHOUT PTRAPS.

CONDENSATE DRAIN

SCALE: NONE



WALL CLEANOUT

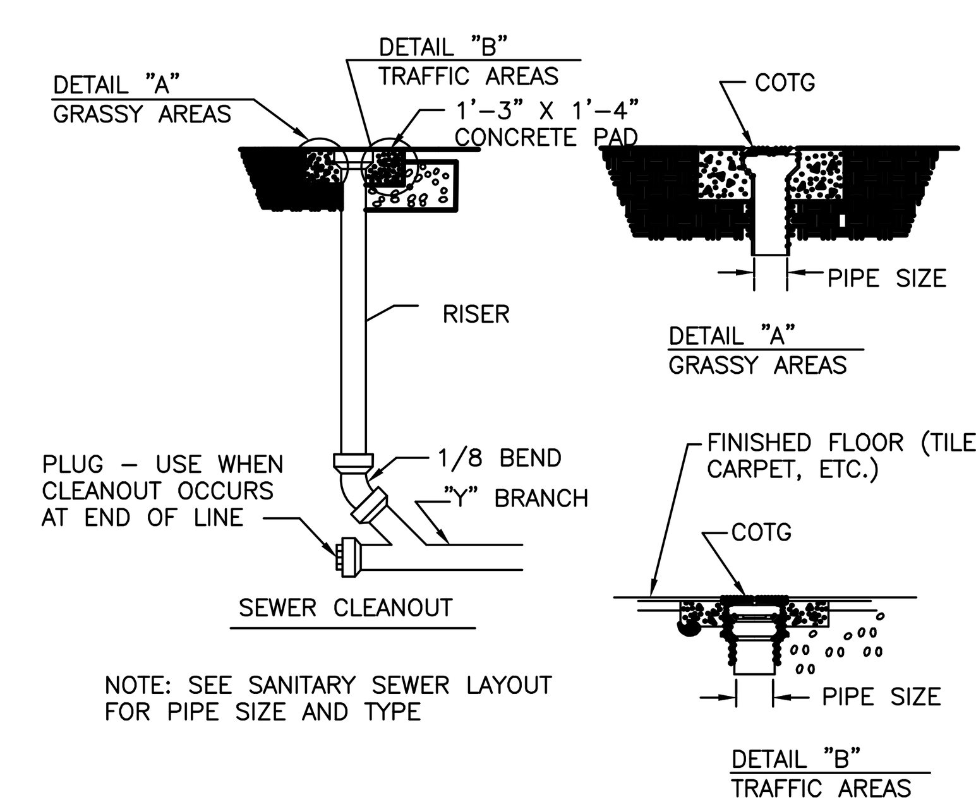
SCALE: NONE

NOTE: ALL FLOOR, GRADE AND WALL CLEANOUT SHALL BE INSTALLED AT LOCATIONS AS REQUIRED BY CODE.

DRAIN, CLEANOUT AND HOSE BIBB SCHEDULE

MARK	TYPE	SPECIFICATION
FD-1	FLOOR DRAIN	WATTS FD-1100-A CAST IRON EPOXY COATED, ADJUSTABLE FLOOR DRAIN WITH SECURED GRATE, FLANGE, WEEPHOLES, INTEGRAL REVERSIBLE CLAMPING COLLAR AND TYPE 6" DIA. NICKEL BRONZE STRAINER.
FD-2	FLOOR DRAIN	WATTS FD-100-B CAST IRON EPOXY COATED, ADJUSTABLE FLOOR DRAIN WITH SECURED GRATE, FLANGE, WEEPHOLES, INTEGRAL REVERSIBLE CLAMPING COLLAR, REMOVABLE SEDIMENT BUCKET AND TYPE 6" DIA. NICKEL BRONZE STRAINER.
FD-3	FLOOR DRAIN	WATTS FD-100-B CAST IRON EPOXY COATED, ADJUSTABLE FLOOR DRAIN WITH SECURED GRATE, FLANGE, WEEPHOLES, INTEGRAL REVERSIBLE CLAMPING COLLAR, REMOVABLE SEDIMENT BUCKET AND TYPE 8" DIA. PAINTED CAST IRON STRAINER.
FD-5	FLOOR DRAIN	WATTS FD-100-B CAST IRON EPOXY COATED, ADJUSTABLE FLOOR DRAIN WITH SECURED GRATE, FLANGE, WEEPHOLES, INTEGRAL REVERSIBLE CLAMPING COLLAR, REMOVABLE SEDIMENT BUCKET AND TYPE 8" DIA. NICKEL BRONZE STRAINER.
NFHB	NON-FREEZE WALL HYDRANT	WATTS HY-725, 3/4" NON FREEZE WALL HYDRANT WITH STRAIGHT INLET CONNECTIONS, NICHOL BRONZE FACE AND ANTI SIPHON BACKFLOW PREVENTER. LENGTH TO BE DETERMINED WITH INSTALLATION LOCATION. COORDINATE WITH ARCHITECT FOR EXACT LOCATION.
HB-1	HOSE BIBB INSIDE WALL HYDRANT	WATTS SC8-4 3/4" NON FREEZE WALL HYDRANT WITH STRAIGHT INLET CONNECTIONS, ANTI SIPHON BACKFLOW PREVENTER. COORDINATE WITH ARCHITECT FOR EXACT LOCATION.
WCO	WALL CLEANOUT	WATTS CO-590-RD THREADED BRASS CLEANOUT PLUG WITH COUNTERSUNK HEAD, STAINLESS STEEL ACCESS COVER, AND VANDAL PROOF STAINLESS STEEL SCREW.
FCO	FLOOR CLEANOUT	WATTS CO-200-R EPOXY COATED CAST IRON FLOOR CLEANOUT WITH 5 IN. DIAMETER ADJUSTABLE GASKETED NICKEL BRONZE TOP, REMOVABLE GAS TIGHT GASKETED BRASS CLEANOUT PLUG.
GCO	GRADE CLEANOUT	WATTS CO-200-RX EPOXY COATED CAST IRON CLEANOUT WITH 5 IN. DIAMETER ADJUSTABLE GASKETED HEAVY DUTY NICKEL BRONZE TOP AND REMOVABLE GAS TIGHT GASKETED BRASS CLEANOUT PLUG. INSTALL IN A 12" X 12" X 6" THICK CONCRETE PAD.
FS-1	FLOOR SINK	WATTS FS-730 12 IN SQUARE X 6 IN DEEP SANITARY FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, (NO GRATE), ALUMINUM DOME BOTTOM STRAINER, AND NO HUB OUTLET.
RD-1	ROOF DRAIN	WATTS DRAINAGE RD-300 EPOXY COATED CAST IRON ROOF DRAIN WITH FLASHING CLAMP WITH INTEGRAL GRAVEL STOP, SELF-LOCKING POLYETHYLENE DOME, AND NO HUB (STANDARD) OUTLET.
OD-1	ROOF DRAIN	WATTS DRAINAGE RD-300-R EPOXY COATED CAST IRON ROOF DRAIN WITH 2" HIGH EXTERNAL DAM, FLASHING CLAMP WITH INTEGRAL GRAVEL STOP, SELF-LOCKING POLYETHYLENE DOME, AND NO HUB (STANDARD) OUTLET.

PROVIDE TRAP PRIMERS ON ALL FLOOR AND FLOOR SINK DRAIN TRAPS ON ALL FLOOR DRAINS



NOTE: SEE SANITARY SEWER LAYOUT FOR PIPE SIZE AND TYPE

CLEANOUT TO FLOOR OR GRADE

SCALE: NONE

* SHOWER HEADS IN ALL TUBS AND SHOWERS SHALL BE LOCATED 6'-6" ABOVE FLOOR OF TUBS AND SHOWERS. THIS DISTANCE IS FROM FLOOR OF TUB OR SHOWER TO THE LOWEST PART OF THE SHOWER HEAD.

NOTE: ALL EXPOSED WATER AND DRAIN PIPNG AT FIXTURES SHALL HAVE CHROME FINISH.

1. PROVIDE 1.8 GPM FLOW SHOWER HEADS ON ALL SHOWERS AND 0.5 GPM FLOW RESTRICTORS ON ALL LAVATORIES, OR PER CODE, IF MORE RESTRICTIVE.
2. INSULATE ALL TRAPS AND SUPPLIES ON HANDICAPPED LAVATORIES WITH TRUEBRO, INC. MODEL #102W OR #105W.
3. MOUNT ALL HANDICAPPED FIXTURES AT HEIGHT AS REQUIRED BY CODES & PER ARCHITECTURAL DETAILS, ADVISE ARCHITECT IF CONFLICTS OCCUR BETWEEN CODES AND PLANS.
4. VERIFY CODE SPACE REQUIREMENTS PRIOR TO INSTALLATION OF PIPING AND FIXTURES.
5. ALL FIXTURES ARE WHITE OR STAINLESS STEEL, UNLESS NOTED OTHERWISE.
6. VERIFY THAT ALL SINKS WILL FIT INTO COUNTERTOP SPACE PRIOR TO ORDERING SAME.
7. WALL OUTLET ROUGH-IN FOR SHOWER HEADS SHALL BE LOCATED 6'-11" ABOVE THE CONCRETE SLAB, MOUNT BOTTOM OF ALL SHOWER HEADS AT 6'-6" HEIGHT ABOVE TUB FLOOR, PER ARCHITECTURAL DRAWINGS.
8. WATER SUPPLY FOR TANK WATER CLOSETS SHALL BE ROUGHED-IN AT 10" A.F.F.
9. MOUNT THE BOTTOM OF THE HAND HELD SHOWER SLIDE BARS AT 42" ABOVE FLOOR.
10. ALL SHOWER AND TUB VALVES SHALL HAVE BUILT-IN STOPS.
11. PROVIDE HOT AND COLD WATER INDICATORS AT ALL FAUCETS, (BATHTUBS, SINKS ETC.
12. ALL FIXTURES SHALL HAVE INDIVIDUAL SHUT OFF VALVES.
13. ALL FIXTURES SHALL BE SUBMITTED TO HILTON - HOME2 SUITES AND OWNER PRIOR TO ORDERING, FOR APPROVAL.
14. THE MAXIMUM WATER TEMPERATURE DELIVERED TO THE GUEST ROOMS, SHALL NOT EXCEED 110° F.
15. THE TEMPERATURE LIMIT STOP SCREW ON BATHTUBS, SHOWERS AND LAVATORY FAUCETS, SHALL BE SET AT A MAXIMUM TEMPERATURE OF 110° F.
16. MOEN FAUCETS SHALL BE CONSIDERED AS EQUAL, IF OWNER AND HILTON - HOME2 APPROVE SAME.
17. PRIOR TO ORDERING FIXTURES, CONTRACTOR SHALL COORDINATE WITH ARCHITECT/OWNER AND ARCHITECTURAL FLOOR PLANS, FOR FIXTURE TYPES, SIZES AND MILLWORK, ETC.

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PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	SOIL	WASTE	VENT	H.W.	C.W.	REMARKS
WC1	WATER CLOSET GUEST ROOM	3"	—	2"	—	1/2"	STERLING #402027 "ROCKTON" TWO PIECE ELONGATED DUAL FLUSH WATER CLOSET, 1.6 GPF, BEMIS #170, ELONGATED CLOSED SEAT AND COVER, CLOSET BOLTS AND COMPRESSION STOPS.
WC2	HANDICAP WATER CLOSET GUEST ROOM	3"	—	2"	—	1/2"	KOHLER #3519-0 WATER CLOSET ADA COMPLIANT, 1.1 GPF, PRESSURE ASSISTED, KOHLER #4664, STAINLESS STEEL BOLTS, SELF SUSTAINING HINGE, ELONGATED CLOSED SEAT, WITH COVER, CLOSET BOLTS, AND COMPRESSION STOPS.
WC3	HANDICAP WATER CLOSET PUBLIC AREA	3"	—	2"	—	1"	KOHLER K-96057-B-0, FLUSH VALVE WATER CLOSET, 1.6 GPF, BEMIS 1055, STAINLESS STEEL CHECK HINGE, OPEN FRONT ELONGATED SEAT, CLOSET BOLTS AND COMPRESSION STOPS. SLOAN ROYAL 111-1.6 FLUSH VALVE.
TB1	HANDICAP BATHTUB GUEST ROOM	—	1 1/2"	1 1/2"	1/2"	1/2"	STERLING #71041112, "PERFORMA" 60:x29", HIGH GLOSS VIKRELL TUB ONLY, WITH TILTING FLANGE AND FRONT APRON, MOEN #S6335EPBN SHOWER HEAD, MOEN #123815BN 8" SHOWER ARM AND FLANGE, MOEN #T2131BN SINGLE LEVER VALVE, #3853BN DIVERTER TUB SPOUT, #62390 ROUGH-IN VALVE, #T4171BN DIVERTER VALVE TRIM, #3372 TRANSFER VALVE, A730ST BRACKET, A725BN DROP ELBOW, #3636EPBN HAND HELD SHOWER HEAD HOSE ASSEMBLY, LIFT & TURN WASTE CONNECTION, BRUSHED NICKEL TRIM.
LV1	HANDICAP LAVATORY GUEST ROOM	—	1 1/4"	1 1/2"	1/2"	1/2"	LENOVA #PU-01-W, 19 ½ X15 ½ UNDERMOUNT RECTANGULAR VITREOUS CHINA LAVATORY, MOEN #L4621-BC FAUCET, SINGLE LEVER, BRUSHED NICKEL FAUCET, COMPRESSION STOPS, 1 ¼ P-TRAP TRUBRO #102W ADA INSULATION KIT, IN GUEST ROOMS WITH FLOOR DRAINS IN TOILET AREA, FURNISH P-TRAP WITH PRIMER CONNECTION AND ½" PRIMER LINE TO FLOOR DRAIN. OMNI ½ GPM OR EQUAL FLOW RESTRICTOR.
LV2	LAVATORY GUEST ROOM	—	1 1/4"	1 1/2"	1/2"	1/2"	SAME AS LV-2, LESS INSULATION AND TRAP PRIMER HIT.
LV3	HANDICAP WALL HUNG LAVATORY	—	1 1/4"	1 1/2"	1/2"	1/2"	KOHLER #K2084, 20x18 WALL HUNG ADA APPROVED LAVATORY AND CHAIR CARRIER, K-2084, K-8998-CP. MOEN 6400BN SINGLE LEVER BRUSHED NICKEL FAUCET, GRID DRAIN, P-TRAP AND TRUBRO ADA INSULATION KIT. OMNI 1/2 GPM OR EQUAL FLOW RESTRICTOR. WATTS SERIES LFUSG-B UNDER SINK THERMOSTATICE MIXING VALVE SET AT 110°F.
SH1	ROLL-IN ADA SHOWER STALL	—	2"	1 1/2"	1/2"	1/2"	STERLING MODEL 62060103, SHOWER UNIT WITH MATCHING WALL SURROUNDS, SYMMONS 9605-X-PLR-2.0 SHOWER SYSTEM AND 552SH-STN SHOWER HEAD, SINGLE LEVER VALVE, ROUGH-IN VALVE, OATEY 42213 DRAIN, OATEY 42018 STRAINER SATIN NICKEL TRIM. AND SHOWER PAN.
* SH2	SHOWER UNIT	—	2"	1 1/2"	1/2"	1/2"	STERLING #722270106, 60"x 34" FOUR PIECE HIGH GLOSS VIKRELL SHOWER WITH SIMULATED TILE BACK WALL SET WITH GRAB BAR AND FRAMELESS SLIDING SHOWER DOOR, PVC SHOWER DRAIN, BRUSHED NICKEL MOEN #123815BN 8" SHOWER ARM WITH FLANGE, MOEN #T2131BN SINGLE LEVER VALVE AND #62390 POSI-TEMP ROUGH-IN VALVE.
SK1	HANDICAP KITCHEN SINK GUEST ROOM	—	1 1/2"	1 1/2"	1/2"	1/2"	ELKAY #ELUHAD211545PD UNDERMOUNT STAINLESS STEEL ADA SINK, MOEN #7425BC SINGLE LEVER KITCHEN FAUCET IN BRUSHED NICKEL TO MATCH BATH FIXTURE FAUCETS. COMPRESSION STOPS, P-TRAP, INSINKERATOR BADGER1 1/3 HP GARBAGE DISPOSAER AND OMNI ½ GPM OR EQUAL FLOW RESTRICTOR.
SK2	KITCHEN SINK GUEST ROOM	—	1 1/2"	1 1/2"	1/2"	1/2"	KOHLER #K-3182-NA 16"x20"x8" UNDERMOUNT SS SINK, MOEN #7425BC SINGLE LEVER KITCHEN FAUCET IN BRUSHED NICKEL FINISH TO MATCH BATH FIXTURE FAUCETS. COMPRESSION STOPS, 1 ½" P-TRAP AND INSINKERATOR BADGER1, 1/3 HP DISPOSAL UNIT. OMNI ½ GPM OR EQUAL FLOW RESTRICTOR.
SK3	BREAK ROOM KITCHEN SINK	—	1 1/2"	1 1/2"	1/2"	1/2"	STERLING #UCL1515-NA, 15"x15" UNDERMOUNT SS SINK, KOHLER BRUSHED NICKEL #K-15171-F-CP SINK FAUCET, K-8801-CP BASKET STRAINER, COMPRESSION STOPS, 1 ½" P-TRAP AND INSINKERATOR BADGER1, 1/3 HP DISPOSAL UNIT. OMNI ½ GPM OR EQUAL FLOW RESTRICTOR.
SK4	3-COMP SINK BY OWNER	—	(3) 1 1/2"	1 1/2"	(2) 1/2"	(2) 1/2"	STAINLESS STEEL SINK & FAUCETS PROVIDED BY OWNER, CONTRACTOR SHALL INSTALL SINK AND FAUCET & PROVIDE ROUGH-IN WITH ALL RELATED PIPING WITH SHUT-OFF VALVES AT WALL.
SK5	WALL HUNG HANDWASH SINK	—	1 1/2"	1 1/2"	1/2"	1/2"	ELKAY #CHSB1716C SINK WITH FAUCET, 5" DEEP SS SINK WITH 7" BACKSPLASH, BRUSHED NICKEL FAUCET, P-TRAP, ANGLE STOPS AND CHAIR CARRIER.
LT	DOUBLE BOWL LAUNDRY TUB	—	2"	1 1/2"	1/2"	1/2"	PRO FLO PFLT4024 MOLDED STONE DOUBLE BOWL LAUNDRY SINK WITH LEGS, LAUNDRY TRAY, PRO FLO PFX7002M FAUCET, P-TRAP AND ANGLE STOPS HARDWARE PACKAGE.
DF1	ELECTRIC DRINKING FOUNTAIN	—	2"	2"	1/2"	—	ELKAY MODEL NO EZSTL8LC BI-LEVEL COOLER, MCGUIRE 8872 P-TRAP, MCGUIRE 165 SUPPLY AND STOP, WATTS CA-431-1 CARRIER.
DF2	DRINKING FOUNTAIN	—	2"	2"	1/2"	—	MOST DEPENDABLE FOUNTAIN MODEL NO. MDF-475-WM, HIGH/LOW COOLER, MCGUIRE 8872 P-TRAP, MCGUIRE 165 SUPPLY AND STOP. PROVIDE IN WALL P-TRAPS, CUTOFF VALE AND DRAIN VALVE ALL IN ACCESSABLE PANEL.
PS	POOL SHOWER	—	—	—		1/2"	DELTA #R10000UNWS ROUGH-IN VALVE, DELTA #T13H163 SHOWER TRIM WITH FIXED VANDAL RESISTANT HEAD.
MS	MOP SINK	—	3"	1 1/2"	3/4"	3/4"	FIAT #TSB 3000 24" X 24" X 12" DEEP FLOOR MOUNTED MOP BASIN, T & S BRASS B-0665-BSTR WALL MOUNTED SINK FAUCET W/ V.B. SS MOP HANGER, HOSE & BRACKET, WITH SS WALL GUARDS.
EW	WALL HUNG EYE WASH	—	1 1/4"	1 1/2"	1/2"	1/2"	BRADLEY #S19224 WITH YELLOW PLASTIC EYE/FACE WASH HEADS, WITH DUST COVERS. ½" NPT CHROME PLATED BRASS STAY OPEN BALL VALVE WITH SS PUSH HANDLE, DRAIN TAIL PIECE TO WITHIN 6" OF FINISHED FLOOR AND IN-LINE STRAINER. BRADLEY S19-2000 MIXING VALVE SET FOR 85° WATER.
WCB	WASHER CONNECTION BOX	—	2"	1 1/2"	3/4"	3/4"	GUY GRAY #82048 WITH WATER HAMMER ARRESTOR. INSTALL BACKFLOW CHECK VALVES FOR VALVES IN HW & CW LINES WITH ACCESS PANEL.
DW	GUEST ROOM DISHWASHER (BY OWNER)	—	1"	—	1/2"	—	OWNER TO FURNISH DISHWASHERS FOR GUEST ROOMS, CONTRACTOR TO INSTALL WITH HW CONNECTION AND DRAIN CONNECTION TO DISPOSAL UNIT AT THE KITCHEN SINK, PROVIDE HW SHUT-OFF VALVE.
KDW	KITCHEN DISHWASHER IN PANTRY (BY OWNER)	—	2"	1 1/2"	3/4"	—	OWNER TO FURNISH DISHWASHER IN PANTRY, CONTRACTOR TO INSTALL ALL WATER CONNECTIONS AND DRAIN CONNECTION AS REQUIRED BY LOCAL CODES.
IWH	INSTANTANEOUS WATER HEATER	—	—	+	1/2"	1/2"	EEMAX #EX012240T, 120 VOLT, 11.5 KW, 48 AMPS, 31° TEMP. RISE @ 2.5 GPM.

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REVISIONS		
No.	Date	Description
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RYAN J. HERTTER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 4/2/19

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

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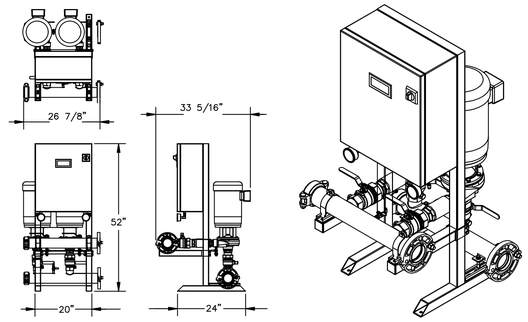
Vicksburg, MS 39180

Drawing Title
Schedules and Details

Phase
Construction Documentss

Project No.	17-051
Prepared by	RHP
Checked by	RJH
Date	MAR. 28, 2019
Sheet No.	P300

Released for



DOMESTIC WATER BOOSTER PUMP SCHEDULE

PUMP	MODEL	ELECTRICAL	FLOW	HEAD	PRV	IMPELLER	PUMP PACKAGE
BP-1	56XXX	7.5 H.P. EACH 208/3/60	200 GPM	60 FT. H_2O	———	———	QUANTUMFLOW EINSTINE VARIABLE SPEED DRIVE

NOTE: CONTRACTOR MUST OBTAIN A CURRENT FLOW TEST PRIOR TO ORDERING PUMPS, AND VERIFY PUMP SIZING. SIZE SHOWN IS MINIMUM PUMP REQUIRED.

DESIGN ENVELOPE DOMESTIC WATER BOOSTER SYSTEM

PROVIDE AN QUANTUMFLOW "EINSTINE" DESIGN ENVELOPE PACKAGED BOOSTER SYSTEM INCLUDING FRAME, PUMPS, MOTORS, CONTROL PANEL AND PIPING. THE DESIGN ENVELOPE SHALL BE CAPABLE OF SUPPLYING 213 USGPM AT 43 FEET OF HEAD.

PUMPS
EACH PUMP SHALL BE STAINLESS STEEL, WITH PUMP CHARACTERISTICS WHICH PROVIDE RISING HEADS TO SHUT OFF, SHALL BE SUPPLIED WITH A 5 HP, ODP, 208/3/60 , NEMA EFFICIENCY MOTOR AND A VARIABLE SPEED DRIVE, WHICH SHALL BE INTEGRATED WITH THE MOTOR. DRIVES SHALL NOT BE ENCLOSED WITHIN THE CONTROL PANEL.

PUMPS SHALL BE STATICALLY AND DYNAMICALLY BALANCE ROTATING PARTS AND OPERATE AT 3450 RPM MAXIMUM.

PUMP PACKAGE SHALL BE FACTORY TESTED AND PRE-SET TO SITE CONDITIONS AS WELL AS HYDROSTATICALLY TESTED. THE TESTING LABORATORY SHALL BE AN NSF 61 CERTIFIED CLOSED LOOP TESTING SYSTEM CAPABLE OF PRESSURIZED SUCTION AND SUPPLY PRESSURE CONDITION SIMULATION. THE TEST LABORATORY SHALL FEATURE PROCEDURES DETAILING AN UNBROKEN CHAIN OF CALIBRATIONS AS REQUIRED BY NIST. OPEN ATMOSPHERIC TESTING EQUIPMENT OR DEVICES ARE NOT COMPLIANT. THE SPECIFIED FLOW CONDITIONS SHALL BE TESTED AND VERIFIED AS WELL AS SPECIFIED SUPPLY PRESSURE PER PLANS AND SPECIFICATIONS. THE FACTORY TO PROVIDE A CERTIFIED PERFORMANCE TEST INDICATING PRESSURE AND FLOW FROM ZERO TO 100% CAPACITY. CERTIFIED "NSF/ANSI 61" DOCUMENTATION SHALL BE SUBMITTED TO THE SPECIFYING ENGINEER.

PUMP SEAQUENCING SHALL BE PER THE MANUFACTURERS RECOMENDATIONS

PERFORMANCE REQUIREMENTS SYSTEM MUST COMPLY WITH ANSI/ASHRAE/IES 90.1, ENERGY STANDARD FOR BUILDINGS, EXCEPT LOW-RISE RESIDENTIAL BUILDINGS. THIS STANDARD, WHICH AFFECTS ALL PROJECTS AFTER OCTOBER 2013 REQUIRES THE USE OF A REMOTE SENSOR AT THE TOP OF THE SYSTEM OR SOFTWARE WHICH SIMULATES THE EFFECT OF A REMOTE SENSOR IN ORDER TO RECOVER FRICTION LOSSES.

IN LIEU OF A REMOTE SENSOR, AND IN ACCORDANCE WITH ANSI/ASHRAE/IES 90.1, ENERGY STANDARD FOR BUILDINGS, LOGIC MAY BE EMPLOYED IN THE CONTROLLER WHICH AUTOMATICALLY REDUCES THE PRESSURE BY THE AMOUNT OF RECOVERED LOSSES WHEN FLOW DICTATES AND RESETS THE SET POINT WHEN DEMAND INCREASES ENOUGH TO REQUIRE THE HIGHER SET POINT. IN NO CASE SHALL THE SYSTEM INCREASE THE SPEED OF THE MOTOR, CONSUMING ADDITIONAL POWER, IN ORDER TO FACILITATE SHUTDOWN AS THIS IS COUNTER-INTUITIVE TO THE CODE.

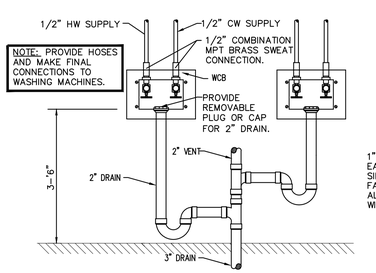
DRIVE
AND MOTOR PROTECTION SHALL INCLUDE: MOTOR PHASE TO PHASE FAULT, MOTOR PHASE TO EARTH FAULT, LOSS OF SUPPLY PHASE, OVER VOLTAGE, UNDER VOLTAGE, MOTOR OVER TEMPERATURE, INVERTER OVERLOAD, OVER CURRENT.

CONTROL PANEL: THE PUMPING SYSTEM CONTROL PANEL SHALL INCORPORATE THE FOLLOWING ELEMENTS, AND CRITERIA:

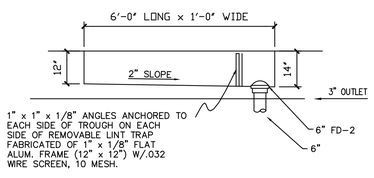
THE PUMP CONTROLLER, AND ALL ITS COMPONENTS SHALL BE HOUSED IN A NEMA 1 OR 3R, UL 508A LISTED, VENTILATED CONTROL ENCLOSURE WITH A NEMA 4, 256 COLOR, 6" TOUCH SCREEN INTERFACE. THE CONTROLLER SHALL HAVE A MAIN POWER DISCONNECT SWITCH, WITH ENCLOSURE DOOR INTERLOCK, WHICH SHALL REQUIRE OPENING THE DISCONNECT SWITCH BEFORE THE CONTROL CABINET MAY BE OPENED. THE SYSTEM SHALL PROVIDE FOR A SINGLE POINT ELECTRICAL CONNECTION, WITH ALL POWER, BOTH PRIMARY, AND SECONDARY TO BE DE-ACTIVATED BY OPENING THE MAIN DISCONNECT SWITCH, SHALL UTILIZE A PROGRAMMABLE LOGIC CONTROLLER WITH NON-VOLATILE MEMORY BACK-UP,24 VOLT SECONDARY SYSTEM,
SHALL PROVIDE ALL PUMP STAGING ALL SECONDARY CONTROL CIRCUIT WIRING SHALL BE , AC/DC, OR LESS, TO INCLUDE ALL PILOT LIGHTS, SELECTOR SWITCHES, PANEL METERS, HMI, PLC AND ALARM DEVICES. THE PRIMARY MOTOR BRANCH CIRCUITS SHALL HAVE THERMAL MAGNETIC CIRCUIT BREAKER PROTECTION, (FUSES SHALL NOT BE ACCEPTABLE). THERE SHALL BE NO PART OF THE INTERIOR OF THE CONTROL ENCLOSURE, WHICH SHALL PRODUCE A BARE HANDED SHOCK HAZARD EVEN WITH THE CONTROLLER POWERED UP. THERE SHALL BE NO EXCEPTIONS TO THIS REQUIREMENT, RS485 COMMUNICATIONS INCLUDING THE ABILITY TO MONITOR SYSTEM DATA VIA BAS THROUGH DISCREET DATA TRANSMISSION (2-WIRE). PROVIDE THREE PHASE LIGHTNING PROTECTION FOR ENTIRE CONTROL PANEL.

START-UP INITIAL FACTORY START-UP, AND OWNER TRAINING SHALL BE PERFORMED BY A QUALIFIED FACTORY TRAINED TECHNICIAN. A FACTORY CERTIFIED START-UP REPORT MUST BE PROVIDE TO THE OWNER, DATED AND SIGNED BY THE FACTORY TECHNICIAN PRIOR TO WARRANTY BEING ACTIVATED.

NOTE: ALL COMPONENTS SHALL BE OF STANDARD MANUFACTURE, AND NOT BE OF PROPRIETARY SOLE SOURCE. MANUFACTURER WILL HAVE THESE SPARE PARTS AVAILABLE EITHER THROUGH LOCAL PRODUCT REPRESENTATION OR DIRECTLY FROM THE MANUFACTURER VIA NEXT DAY SHIPPING.

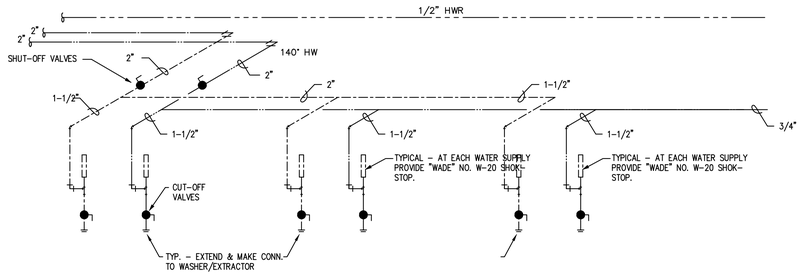


GUEST WASHING MACHINE BOX
SCALE: NONE

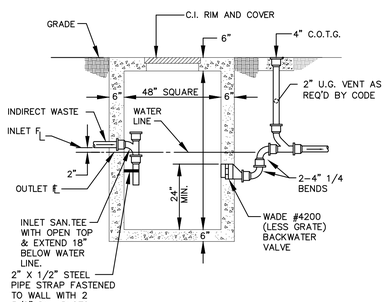


WASHER TRENCH DETAIL
SCALE: NONE

NOTE:
SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR EXACT DIMENSIONS OF TRENCH.

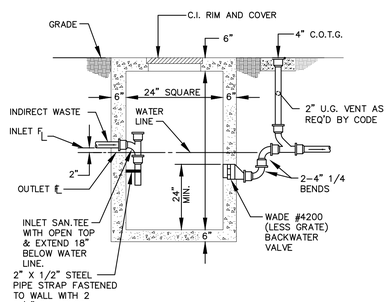


WASHER/EXTRACTOR WATER CONNECTION DETAIL
NOT TO SCALE



POOL CATCH BASIN
SCALE: NONE

NOTES:
1. BOTTOM AND SIDES SHALL BE A MONOLITHIC POUR.
2. CONCRETE SHALL BE BY DIVISION 3-CONCRETE.
3. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR REBAR AND OTHER DETAILS.



CONDENSATE CATCH BASIN
SCALE: NONE

NOTES:
1. BOTTOM AND SIDES SHALL BE A MONOLITHIC POUR.
2. CONCRETE SHALL BE BY DIVISION 3-CONCRETE.
3. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR REBAR AND OTHER DETAILS.

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Details

Phase
Construction Documentss

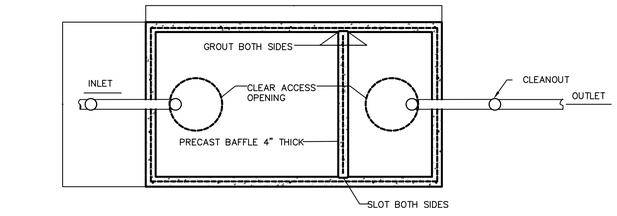
Project No.	17-051
Prepared by	RHP
Checked by	RJH
Date	MAR. 28, 2019

Sheet No.
P301

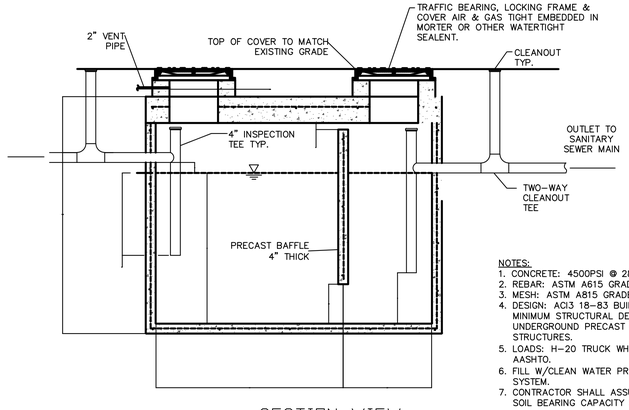
Released for

TRENCHING AND BACKFILLING

1. TRENCHES SHALL HAVE 12" MINIMUM AND 24" MAXIMUM CLEARANCE ON ALL SIDES.
2. 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.
3. MATERIAL AND CLODS. 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.



PLAN VIEW



SECTION VIEW

NOTES:
1. CONCRETE: 4500PSI @ 28 DAY.
2. REBAR: ASTM A615 GRADE 60.
3. MESH: ASTM A815 GRADE 65.
4. DESIGN: ACI3 18-83 BUILDING CODE ASTM C857 MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES.
5. LOADS: H-20 TRUCK WHEELS W/30% IMPACT PER AASHTO.
6. FILL W/CLEAN WATER PRIOR TO START UP OF SYSTEM.
7. CONTRACTOR SHALL ASSURE 2,500 PSI MINIMUM SOIL BEARING CAPACITY @ BEDDING LEVATION.

750 GALLON GREASE INTERCEPTOR

SCALE: NONE

PLUMBING SPECIFICATIONS

1. 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 RELOCATIONS 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 31.1 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 PIPING 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: HARD-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 2665.
    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 2665
5. SEWER SOCKET: ASTM D 2729
6. SOLVENT CEMENT: ASTM D 2564
7. SOLVENT CEMENT (TO JOIN PVC TO ABS): ASTM D 3138

PLUMBING SPECIFICATIONS CONT.

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18. INSULATION
    A. MANUFACTURER'S – ARMACELL INTERNATIONAL OR APPROVED EQUAL.
    B. INSULATE STORM DRAIN, ROOF DRAIN BODIES, OVERFLOW DRAIN, CONDENSATE DRAIN, DOMESTIC COLD, HOT AND HOT WATER RETURN PIPING SYSTEMS WITH ARMACELL INTERNATIONAL; MODEL AP ARMAFLEX OR APPROVED EQUAL, 4.2 PER INCH R VALUE, PREFORMED FLEXIBLE ELASTOMERIC CLOSED-CELL RUBBER INSULATION COMPLYING WITH ASTM C 534 TYPE 1. USE MOLDED TUBULAR MATERIAL WHEREVER POSSIBLE AND HAVE WATERPROOF VAPOR 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"
       DOMESTIC HOT WATER, 2" AND SMALLER, 1"
    D. FURNISH AND INSTALL ZESTON 2000 OR PROTO 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 WALLS SHALL BE ACCOMPLISHED BY MEANS OF FIRE RATED PIPE PENETRATIONS, AS DETAILED BY U.L.
19. SANITARY SEWER UNDERGROUND INSIDE BUILDING CAST IRON. (OWNERS MAY DIRECT USE OF PVC INSTEAD OF 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 DEPENDING ON CODES. CELLULAR 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 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)
    A. THIS CONTRACTOR SHALL PROVIDE SEISMIC RESTRAINTS FOR PLUMBING PIPING AND EQUIPMENT IN ACCORDANCE WITH THE STANDARD BUILDING CODE 1997, SECTION 1607.
    B. PROVIDE TRANSVERSE AND LOGITUDINAL BRACING AS FOLLOWS UNLESS INDICATED OTHERWISE BY LOCAL 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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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Details and Specs

Phase
Construction Documentss

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

Sheet No.
P302

Released for

ELECTRICAL SITE PLAN NOTES:

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 PERMIAN 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.

GENERAL SITE PLAN NOTES

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.

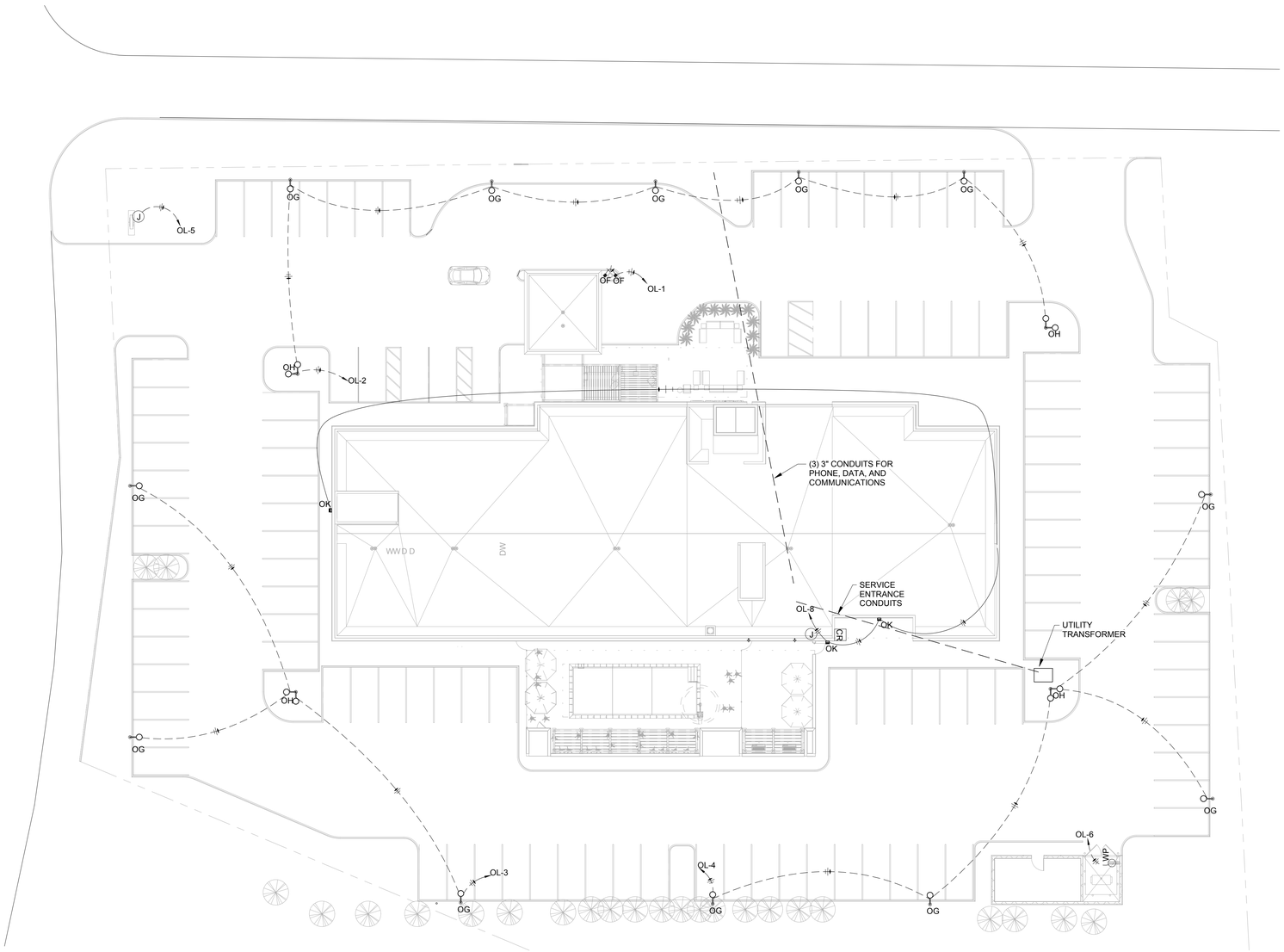
5.) ALL WIRING SHOWN ON THIS SITE PLAN SHALL BE A MINIMUM OF #10 THHN / THWN COPPER IN A MINIMUM 3/4"C., UNLESS NOTED OTHERWISE.

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.

DRAWING NOTES

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

INNOVATIVE • ENGINEERING SERVICES, LLC

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - SITE PLAN

Phase
Construction Documents

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

Released for

Sheet No.
E101

HOME2suites Vicksburg

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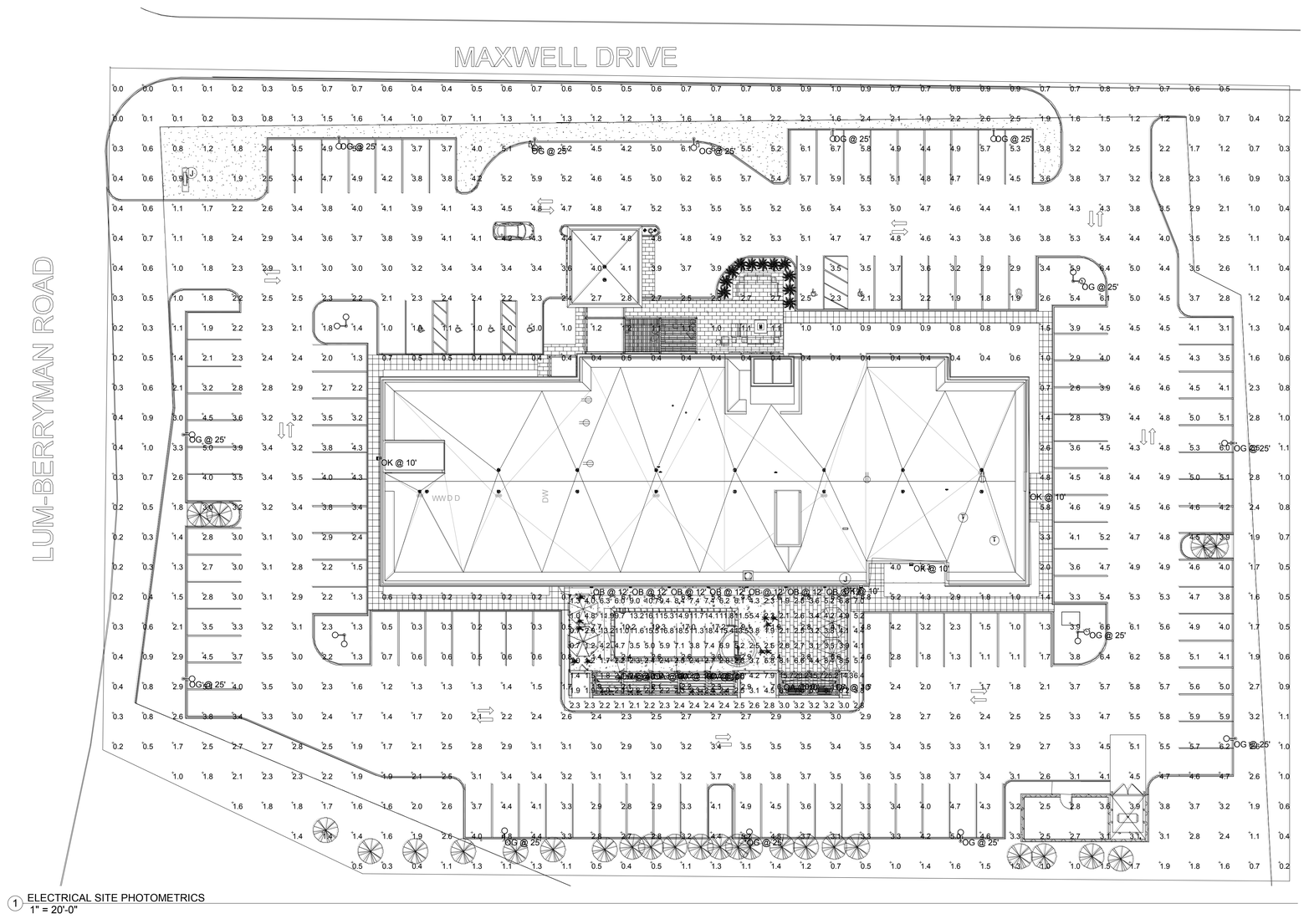

1 ELECTRICAL SITE PHOTOMETRICS
1" = 20'-0"

OUTDOOR LIGHT FIXTURE SCHEDULE

Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Lumens Per Lamp	Light Loss Factor	Wattage
OA	8	Hydrel	TPS1 18LED WHT41K MFL FLC	AXIAL LED FLOODLIGHT 8.4" OD X 10.5" LONG	18 CHIP LED ARRAY	2581	1	34
OB	7	BEGA Converted by LUMCat V 08.09.2017 / H.R.		33 308 K3	LED 2,1W	66	1	3
OF	2	Hydrel	M9700 22LED WHT53K MFL	M9700 LAMP MODULE, 9"DIA. X 3"DEPTH WITH 18 WHITE 53K LED WITH MFL OPTICS. TEMPERED CLEAR FLAT LENS. TEMP 53.2C	ONE 20.5-WATT LED, AIMED UP POS.	Absolute	1	20.5
OG	14	Lithonia Lighting	DSX1 LED 60C 1000 40K T4M MVOLT HS	DSX1 LED with 60 LEDs @ 1000 mA , 4000K , TYPE 4 MEDIUM OPTICS WITH HOUSE-SIDE SHIELD	LED	17084	1	209
OH	0	Lithonia Lighting	DSX1 LED 60C 1000 40K T4M MVOLT HS	DSX1 LED with 60 LEDs @ 1000 mA , 4000K , TYPE 4 MEDIUM OPTICS WITH HOUSE-SIDE SHIELD	LED	17084	1	418
OL	0	Lithonia Lighting	DSXF2 LED 4 A530/40K HMF MVOLT	D-SERIES FLOOD SIZE 2 WITH 4 COB, 4000K, (HMF) DISTRIBUTION, NEMA TYPE 6HX4V	LED	Absolute	1	79.35
OK	4	Lithonia Lighting	DSXW1 LED 20C 700 40K T4M MVOLT	DSXW1 LED WITH 2 LIGHT ENGINES, 20 LED's, 700mA DRIVER, 4000K LED, TYPE 4 MEDIUM OPTIC	LED	4430	1	47

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

4/3/2019 6:43:40 PM

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites 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

Sheet No. E102

HOME2suites Vicksburg

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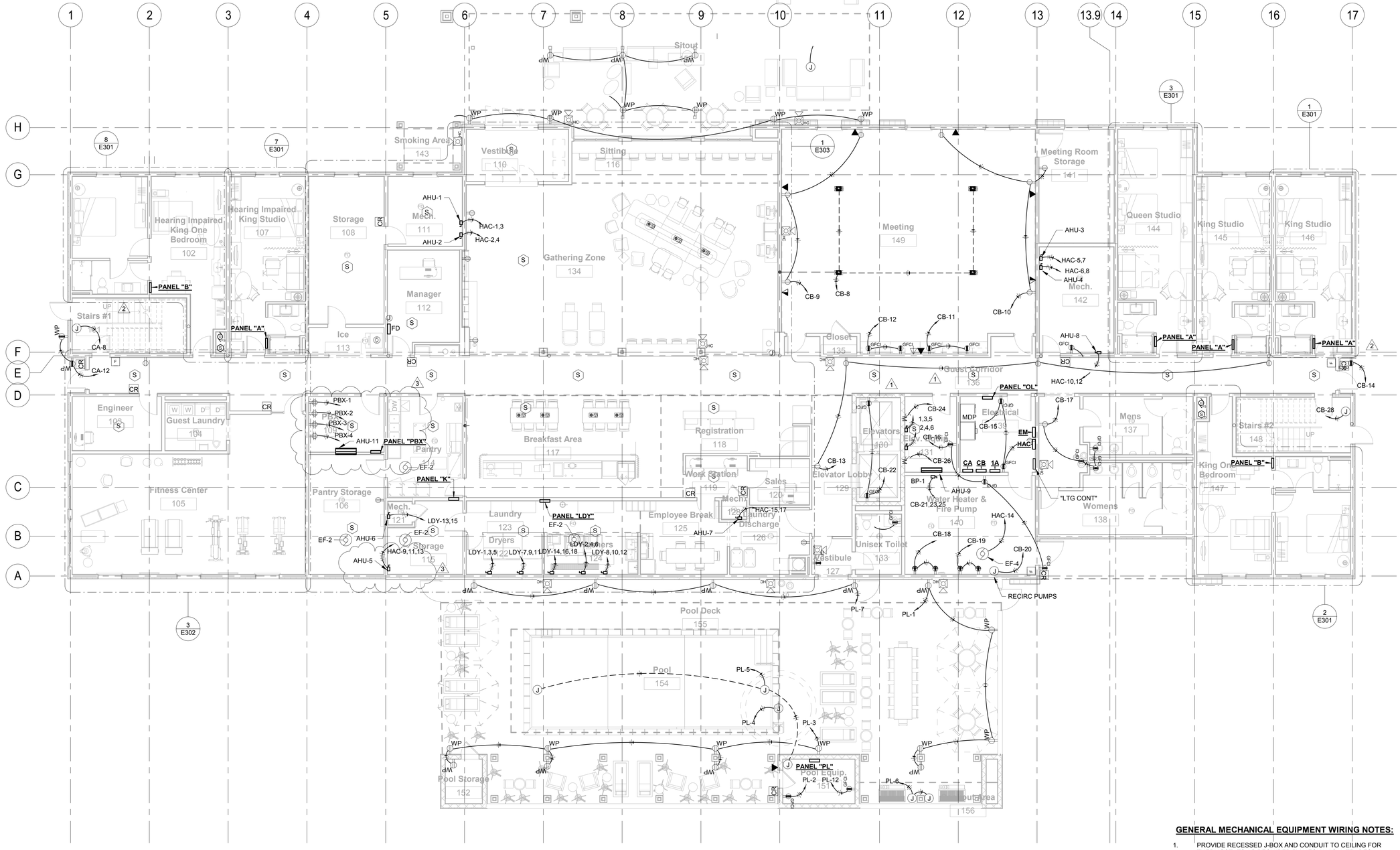
POOL EQUIPMENT:

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.



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

GENERAL MECHANICAL EQUIPMENT WIRING NOTES:

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 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.

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

RYAN J. HERTTER REGISTERED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI
5/21/19

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

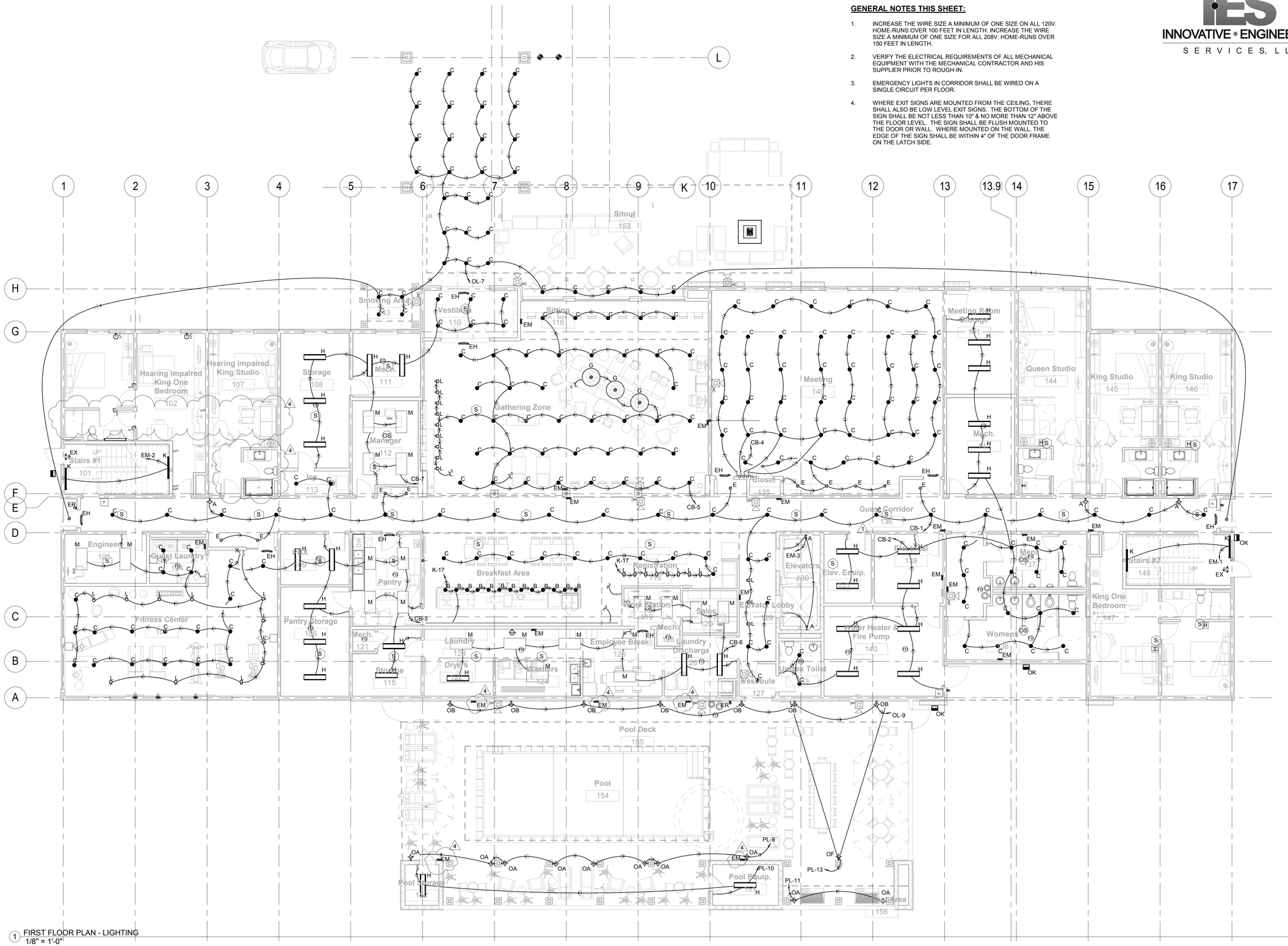
Released for

5/24/2019 7:22:38 PM

HOME2suites Vicksburg

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

7/17/2019 8:07:16 PM

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REVISIONS		
No.	Date	Description
1	04/22/19	Owner Request
4	07/16/19	Code Response

RYAN J. HERTTER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 7/16/19

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - FIRST FLOOR LIGHTING PLAN

Phase
Construction Documents

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

Sheet No. E202

Released for

HOME2suites Vicksburg

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.
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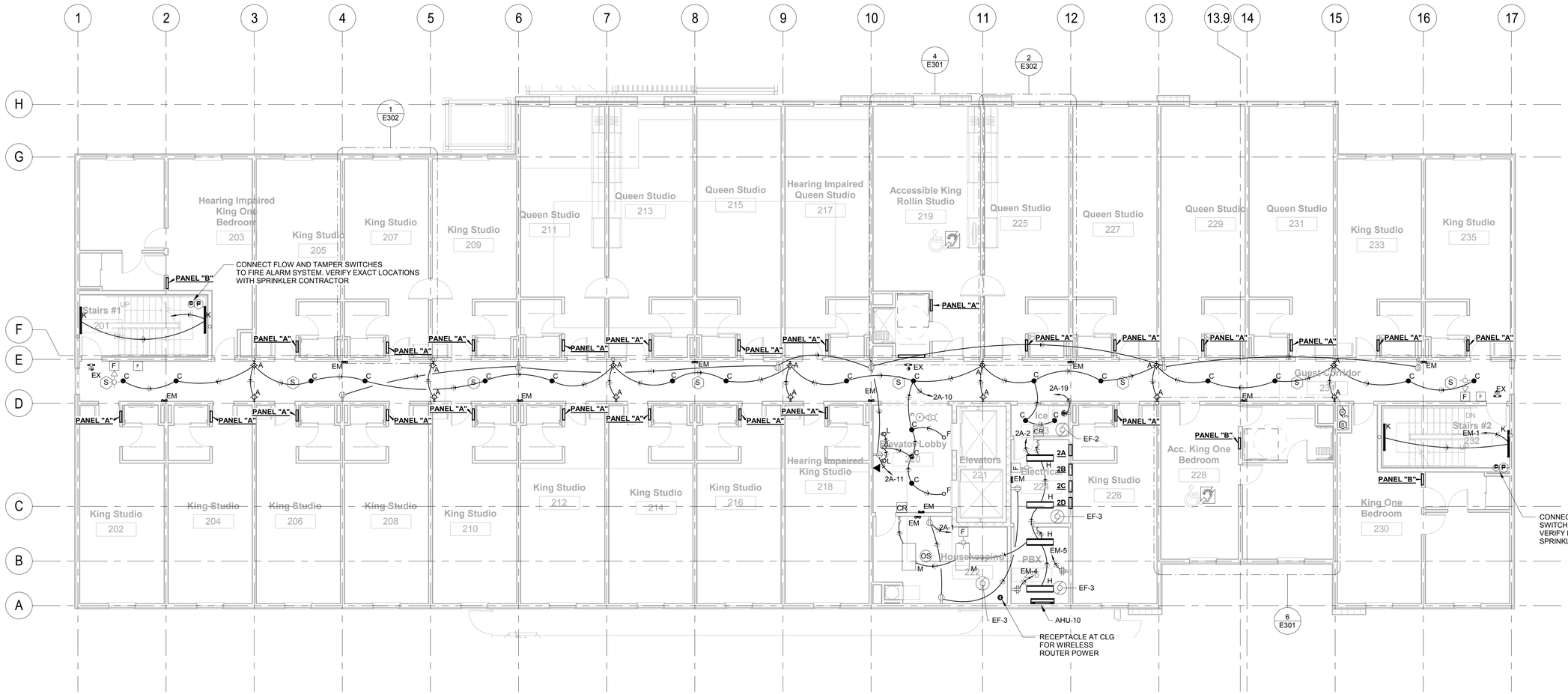

1 SECOND FLOOR PLAN
1/8" = 1'-0"

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - SECOND FLOOR PLAN

Phase
Construction Documents

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

Sheet No.
E203

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HOME2suites Vicksburg

4/3/2019 6:45:11 PM

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.
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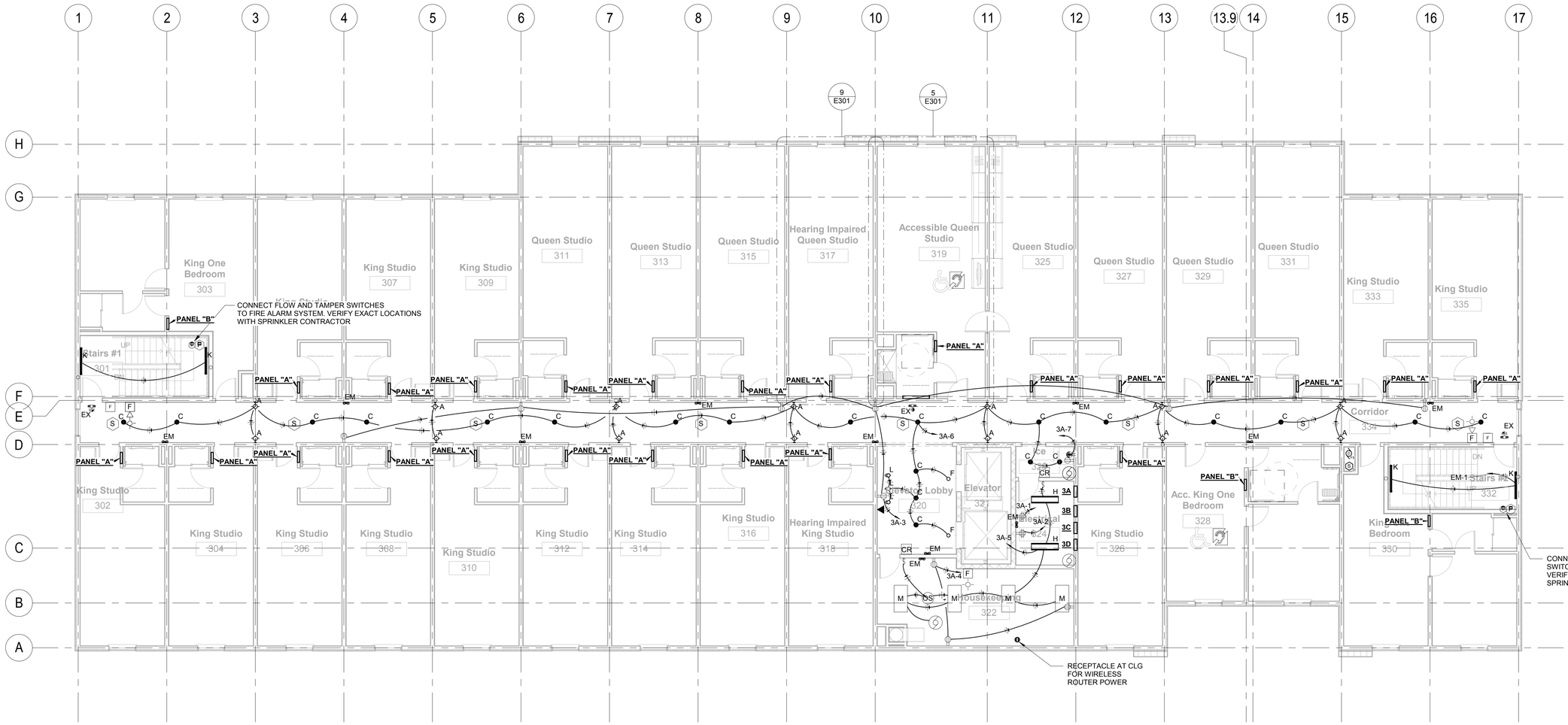

1 THIRD FLOOR PLAN
1/8" = 1'-0"

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REVISIONS		
No.	Date	Description

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

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

Sheet No.
E204

Released for

4/3/2019 6:45:23 PM

HOME2suites Vicksburg

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.
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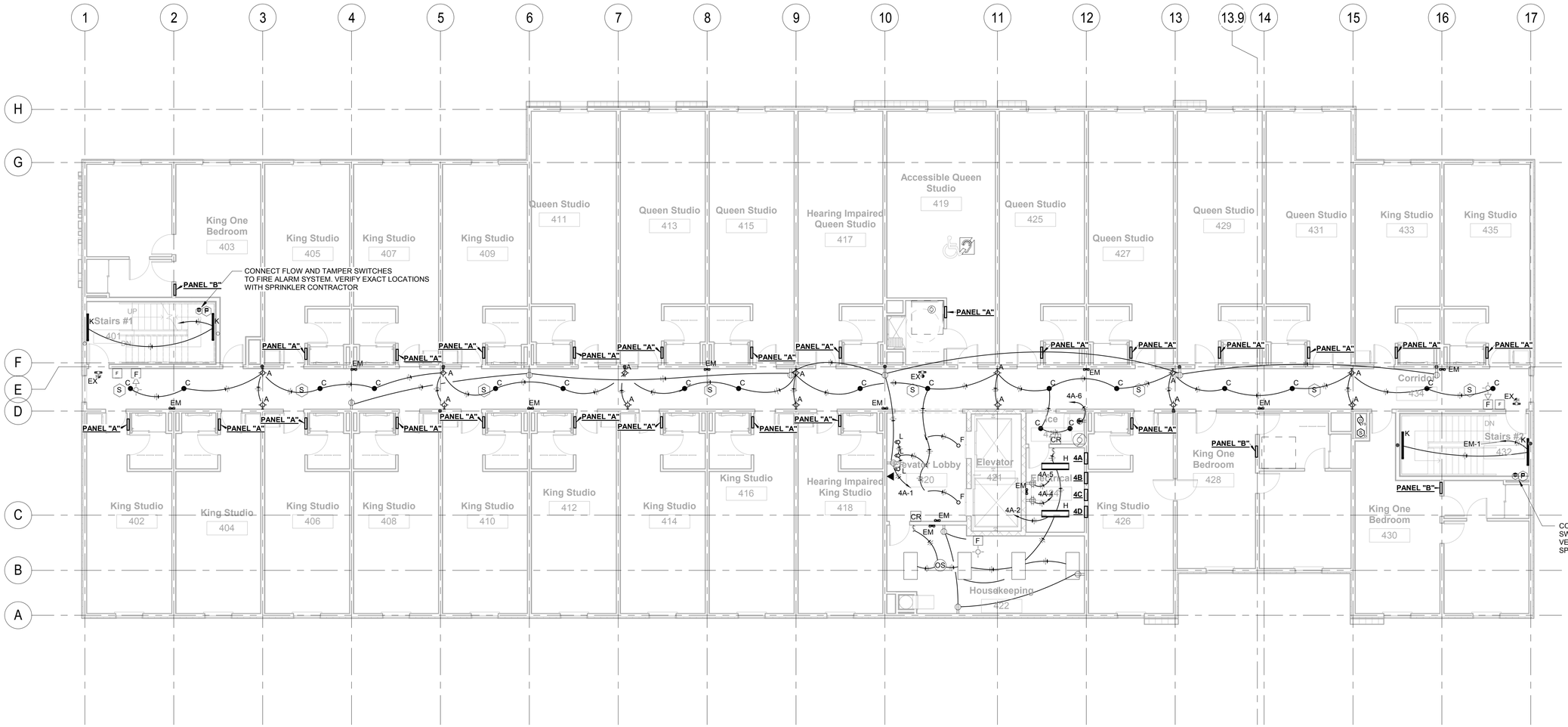

1 FOURTH FLOOR PLAN
1/8" = 1'-0"

CONNECT FLOW AND TAMPER SWITCHES TO FIRE ALARM SYSTEM. VERIFY EXACT LOCATIONS WITH SPRINKLER CONTRACTOR.

KEY PLAN

INNOVATIVE • ENGINEERING SERVICES, LLC

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REVISIONS		
No.	Date	Description

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

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - FOURTH FLOOR PLAN

Phase
Construction Documents

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

Sheet No. E205

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4/3/2019 6:45:34 PM

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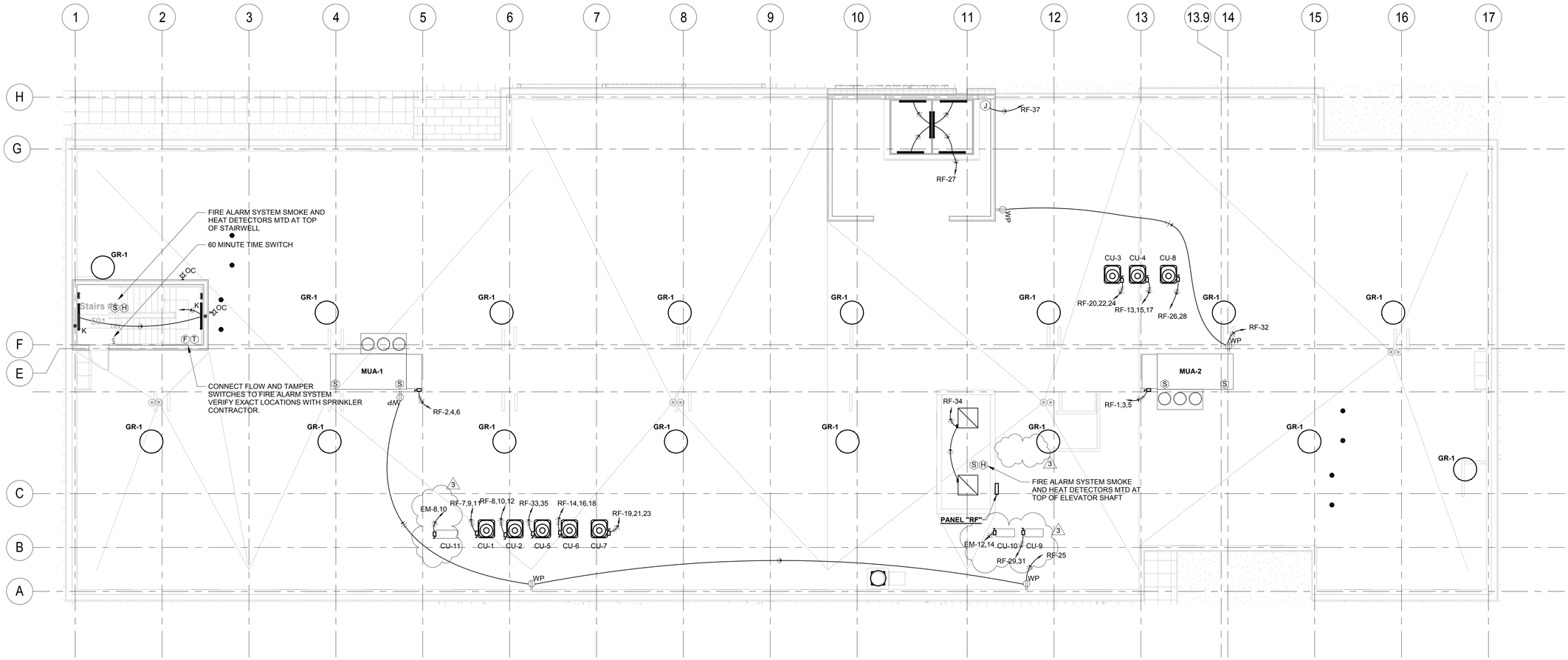
LIGHTNING PROTECTION SYSTEM:

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 DISCONECTS 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

RYAN J. HERTTER REGISTERED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 5/21/19

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL ROOF PLAN

Phase
Construction Documents

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

Sheet No.
E206

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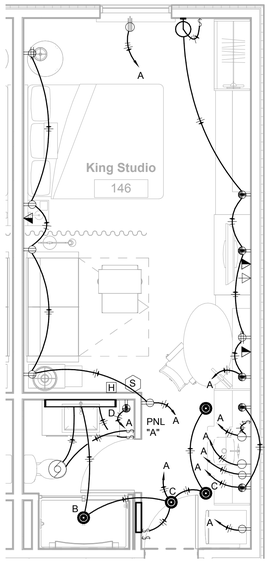
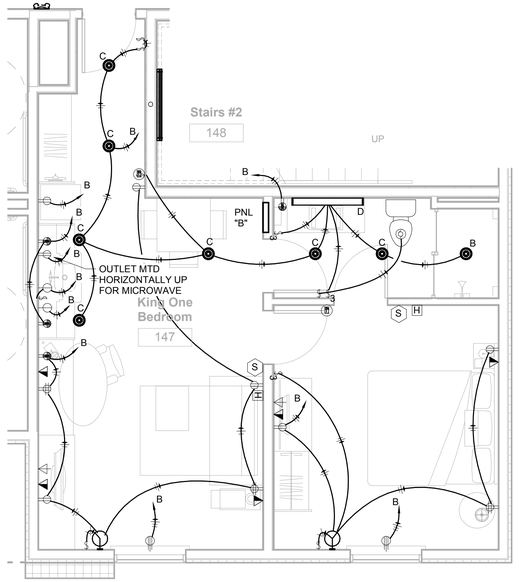
5/24/2019 7:21:19 PM

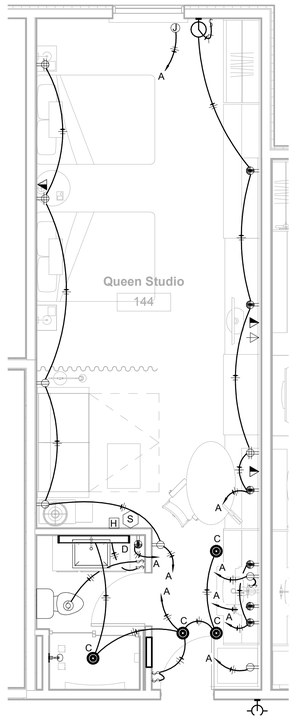
HOME2suites Vicksburg



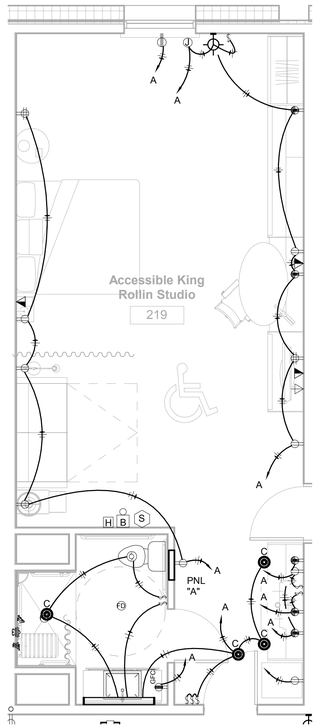
1 KING STUDIO
1/4" = 1'-0"



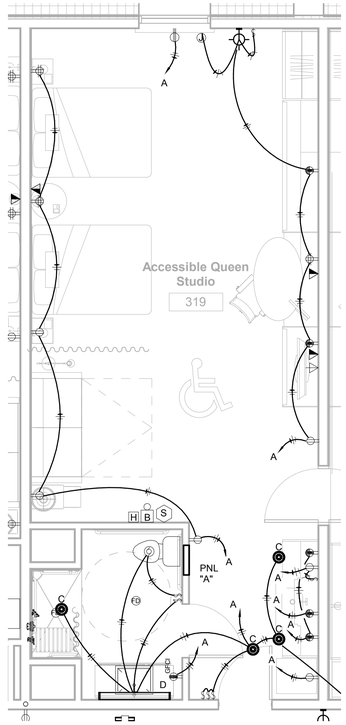
2 KING ONE BEDROOM
1/4" = 1'-0"



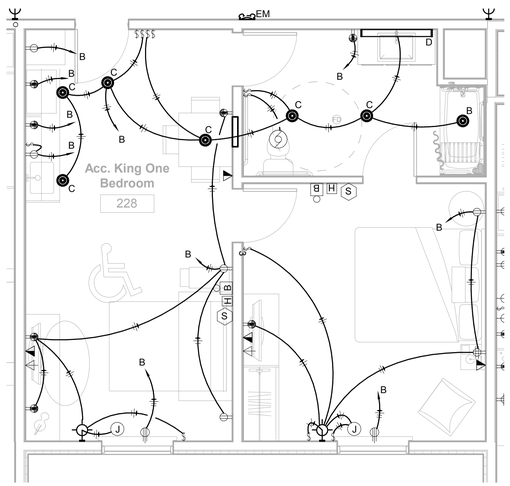
3 DOUBLE QUEEN STUDIO
1/4" = 1'-0"



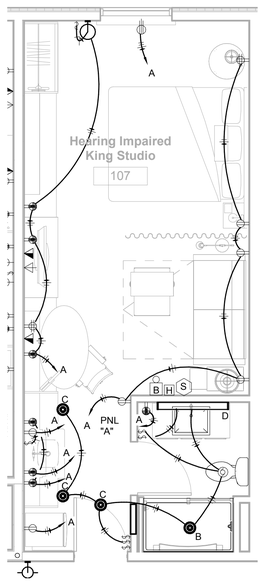
4 ACCESSIBLE KING ROLLIN STUDIO
1/4" = 1'-0"



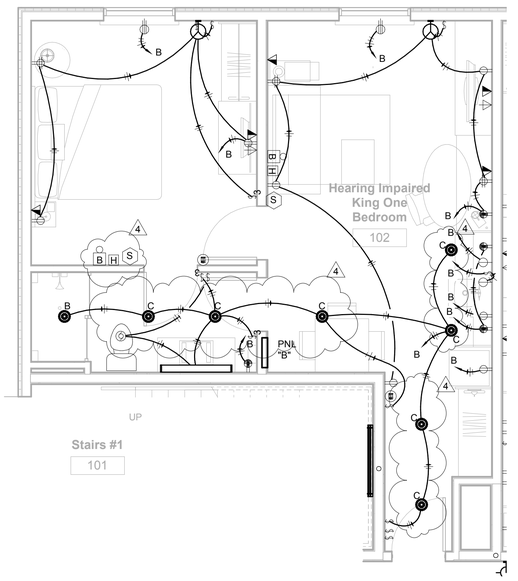
5 ACCESSIBLE QUEEN STIDIO
1/4" = 1'-0"



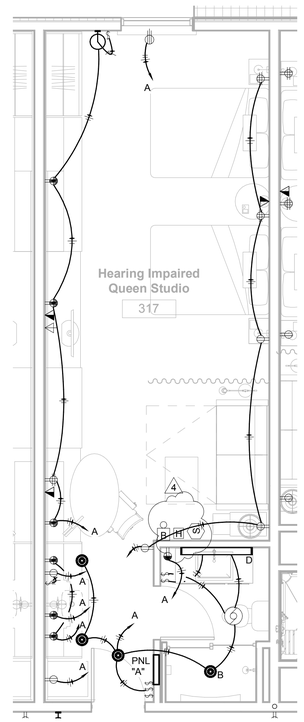
6 ACCESSIBLE KING ONE BEDROOM
1/4" = 1'-0"



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



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



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

INNOVATIVE • ENGINEERING SERVICES, LLC

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

RYAN J. HERTTER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 7/16/19

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL TYPICAL ROOM ENLARGED

Phase
Construction Documents

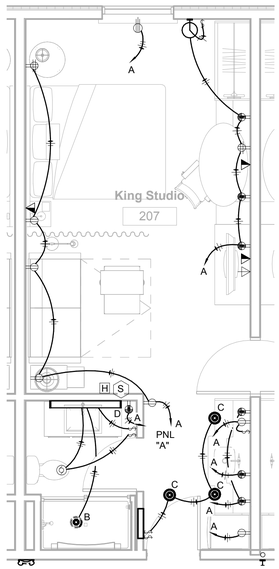
Project No.	19005
Prepared by	PTH
Checked by	RJH
Date	04/02/19

Sheet No.
E301

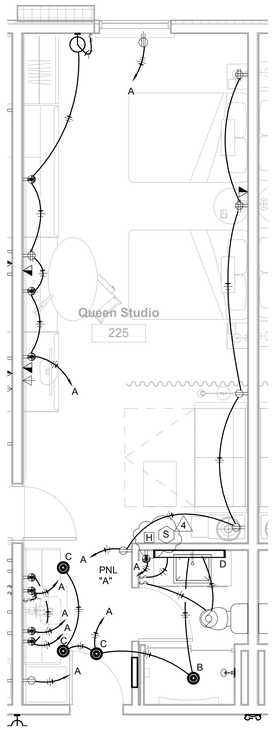
Released for

HOME2suites Vicksburg

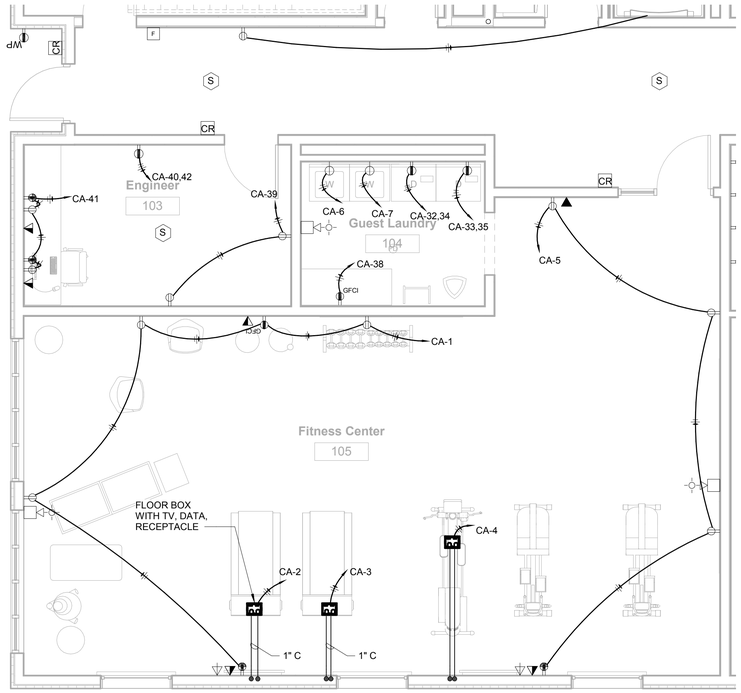
7/17/2019 8:07:30 PM



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"

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

RYAN J. HERTTER
LICENSED PROFESSIONAL ENGINEER
19912
STATE OF MISSISSIPPI
7/16/19

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL TYPICAL ROOM ENLARGED

Phase
Construction Documents

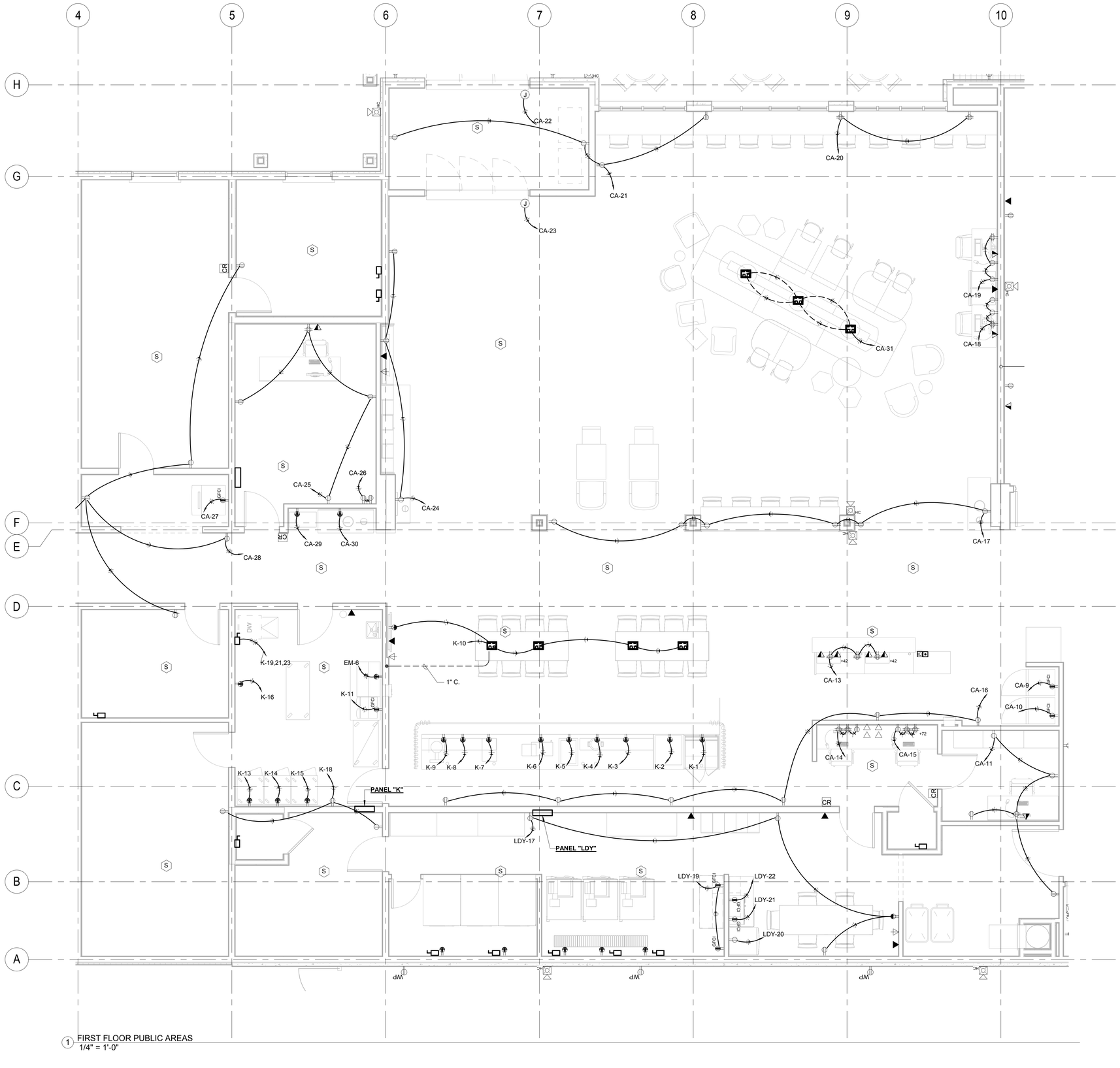
Project No.	19005
Prepared by	PTH
Checked by	RJH
Date	04/02/19

Released for

Sheet No.
E302

HOME2suites Vicksburg

7/17/2019 8:07:34 PM



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

4/3/2019 6:46:27 PM

INNOVATIVE • ENGINEERING SERVICES, LLC

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL ENLARGED FIRST FLOOR COMMON AREA

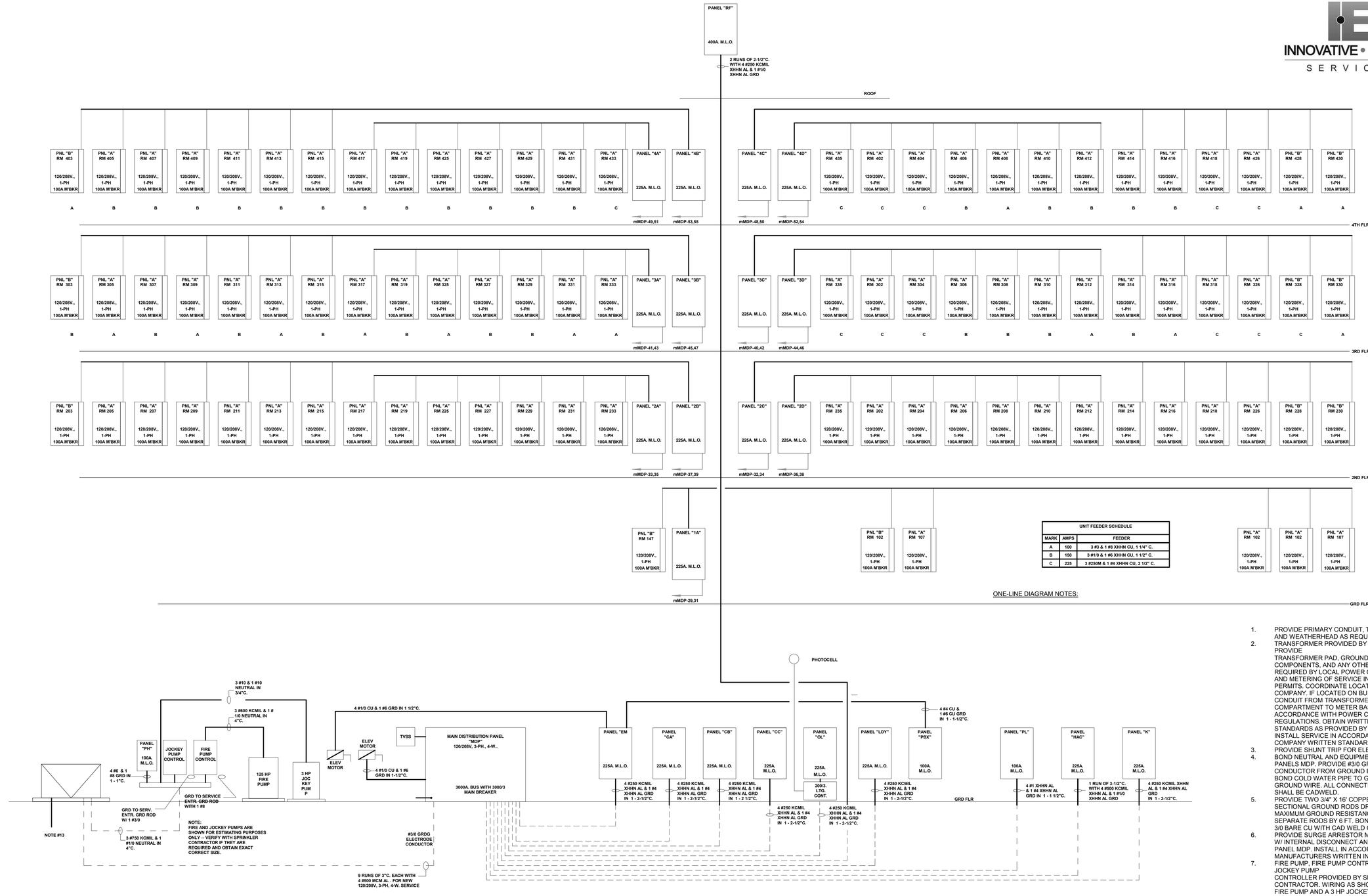
Phase
Construction Documents

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

Sheet No.
E303

Released for

HOME2suites Vicksburg



UNIT FEEDER SCHEDULE		
MARK	AMPS	FEEDER
A	100	3 #3 & 1 #8 XHHN CU, 1 1/4" C.
B	150	3 #1/0 & 1 #6 XHHN CU, 1 1/2" C.
C	225	3 #250M & 1 #4 XHHN CU, 2 1/2" C.

ONE-LINE DIAGRAM NOTES:

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

1. PROVIDE PRIMARY CONDUIT, TRENCHING, POLE RISERS AND WEATHERHEAD AS REQUIRED BY POWER COMPANY.
2. TRANSFORMER PROVIDED BY LOCAL POWER COMPANY. PROVIDE TRANSFORMER PAD, GROUNDING, METERING COMPONENTS, AND ANY OTHER LABOR OR MATERIALS AS REQUIRED BY LOCAL POWER COMPANY FOR INSTALLATION AND METERING OF SERVICE INCLUDING ANY FEES OR PERMITS. COORDINATE LOCATION OF METER WITH POWER COMPANY. IF LOCATED ON BUILDING PROVIDE 1" PVC CONDUIT FROM TRANSFORMER LOW VOLTAGE COMPARTMENT TO METER BASE. INSTALL SERVICE IN ACCORDANCE WITH POWER COMPANY RULES AND REGULATIONS. OBTAIN WRITTEN ELECTRICAL SERVICE STANDARDS AS PROVIDED BY LOCAL POWER COMPANY. INSTALL SERVICE IN ACCORDANCE WITH LOCAL POWER COMPANY WRITTEN STANDARDS.
3. PROVIDE SHUNT TRIP FOR ELEVATOR CIRCUIT BREAKER.
4. BOND NEUTRAL AND EQUIPMENT GROUND BARS OF PANELS MDP. PROVIDE #3/0 GROUNDING ELECTRODE CONDUCTOR FROM GROUND BARS TO GROUND RODS. BOND COLD WATER PIPE TO GROUND RODS WITH #3/0 CU GROUND WIRE. ALL CONNECTIONS TO GROUND RODS SHALL BE CADWELD.
5. PROVIDE TWO 3/4" X 16' COPPER-CLAD STEEL DRIVEN SECTIONAL GROUND RODS DRIVEN 6" BELOW GRADE. MAXIMUM GROUND RESISTANCE SHALL BE 25 OHMS. SEPARATE RODS BY 6 FT. BOND RODS TOGETHER WITH # 3/0 BARE CU WITH CAD WELD CONNECTIONS.
6. PROVIDE SURGE ARRESTOR MCG SURGE PROTECTION, INC W/ INTERNAL DISCONNECT AND MICRO - Z CABLING FOR PANEL MDP. INSTALL IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
7. FIRE PUMP, FIRE PUMP CONTROLLER JOCKEY PUMP, JOCKEY PUMP CONTROLLER PROVIDED BY SPRINKLER SYSTEMS CONTRACTOR. WIRING AS SHOWN IS BASED ON A 125 HP FIRE PUMP AND A 3 HP JOCKEY PUMP. VERIFY AND WIRE AS REQUIRED BY NEC IF DIFFERENT HP'S ARE REQUIRED.
8. ALL WIRE SIZES ARE BASED ON TYPE "XHHN" ALUMINUM, UNLESS NOTED OTHERWISE.
9. LOCATE LIGHTING CONTRACTOR FOR PANEL "OL" NEXT TO THE PANEL AND THE PHOTOCELL CONTROLLING IT ON THE ROOF AS DIRECTED BY THE MANUFACTURER.
10. ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY 3" CONDUITS FROM THE TELEPHONE EQUIPMENT TO A POINT AND IN MANNER AS DIRECTED BY LOCAL PHONE COMPANY.
11. ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY 3" CONDUITS FROM THE TV EQUIPMENT TO A POINT AND IN MANNER AS DIRECTED BY LOCAL SATELLITE/ CABLE TELEVISION COMPANY.
12. PROVIDE UNDERGROUND ELECTRIC PRIMARY SERVICE ENTRANCE CONDUITS AS DIRECTED BY LOCAL POWER COMPANY.
13. AIC RATINGS ARE BASED ON A 500KVA UTILITY PROVIDED TRANSFORMER. CONTRACTOR TO VERIFY AVAILABLE FAULT CURRENT PRIOR TO ORDERING.
14. MDP MAIN BREAKER SHALL HAVE ENERGY REDUCTION CAPABILITIES IF IT IS NOT INSTANTANEOUS TRIP.

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REVISIONS		
No.	Date	Description

RYAN J. HERTTER REGISTERED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI
4/2/19

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - ONE LINE DIAGRAM

Phase
Construction Documents

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

Sheet No.
E401

Released for

4/3/2019 6:46:31 PM

HOME2suites Vicksburg

Branch Panel: MDP

Location: Electrical 139
Supply From:
Mounting: Recessed
Enclosure: TYPE 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 100KA
Mains Type:
Mains Rating: 3000 A
MCB Rating: 3000 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				1200... 1200...						2
3	ELEVATOR	200 A	3		1200... 1200...		3	200 A	ELEVATOR	4
5						1200... 1200...				6
7				6974... 1024...						8
9	PANEL "CB"	225 A	3		8677... 1250...		3	225 A	PANEL "CA"	10
11						6868... 1126...				12
13				2577... 2499...						14
15	PANEL "HAC"	225 A	3		2420... 2520...		3	225 A	PANEL "1A"	16
17						2420... 2505...				18
19				4388... 3220...						20
21	PANEL "OL"	100 A	3		5100... 2490...		3	225 A	PANEL "EM"	22
23						680 VA 1790...				24
25				9080... 1346...						26
27	PANEL "K"	225 A	3		9080... 1285...		3	225 A	PANEL "LDY"	28
29						9742... 8220...				30
31				2906... 3315...						32
33	PANEL "2B"	225 A	3		2833... 3283...		3	225 A	PANEL "2A"	34
35						2296... 2836...				36
37				2906... 2505...						38
39	PANEL "2D"	225 A	3		2833... 2405...		3	225 A	PANEL "2C"	40
41						2296... 2614...				42
43				0 VA 1470...						44
45	PANEL "3B"	225 A	3		0 VA 1800...		3	225 A	PANEL "3A"	46
47						0 VA 1700...				48
49				0 VA 0 VA						50
51	PANEL "3D"	225 A	3		0 VA 0 VA		3	225 A	PANEL "3C"	52
53						0 VA 0 VA				54
55				0 VA 1260...						56
57	PANEL "4B"	225 A	3		0 VA 2045...		3	225 A	PANEL "4A"	58
59						0 VA 1110...				60
61				0 VA 0 VA						62
63	PANEL "4D"	225 A	3		0 VA 0 VA		3	225 A	PANEL "4C"	64
65						0 VA 0 VA				66
67				1895... 4374...						68
69	PANEL "PL"	100 A	3		2532... 4455...		3	400 A	PANEL "RF"	70
71						2871... 4380...				72
73										74
75										76
77										78
79										80
81										82
83										84
	Total Load:			286677 VA	288270 VA	261644 VA				
	Total Amps:			2421 A	2434 A	2180 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	114000 VA	100.00%	114000 VA		
Lighting - Dwelling Unit	9780 VA	54.94%	5373 VA	**Total Conn. Load:**	836587 VA
Lighting - Exterior	8000 VA	125.00%	10000 VA	**Total Est. Demand:**	708449 VA
Motor	4268 VA	103.10%	4401 VA	**Total Conn.:**	2322 A
Other	3400 VA	100.00%	3400 VA	**Total Est. Demand:**	1966 A
Receptacle	184830 VA	52.71%	97415 VA		
Power	352391 VA	100.00%	352391 VA		
Lighting	11289 VA	125.00%	14111 VA		
Refrigerator	20910 VA	75.00%	15683 VA		
Dishwasher	49500 VA	75.00%	37125 VA		
Microwave	39600 VA	75.00%	29700 VA		

Notes:

Branch Panel: CA

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: MLO
Mains Rating: 250 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
CA-1	Receptacle	20 A	1	900 VA 0 VA			1	20 A	Other	CA-2
CA-3	Other	20 A	1		0 VA 0 VA		1	20 A	Other	CA-4
CA-5	Receptacle	20 A	1			720 VA 180 VA	1	20 A	Receptacle	CA-6
CA-7	Receptacle	20 A	1	180 VA 1800...			1	20 A	EWH Stairs #1	CA-8
CA-9	Receptacle	20 A	1		180 VA 180 VA		1	20 A	Receptacle	CA-10
CA-11	Receptacle	20 A	1			1080... 360 VA	1	20 A	Receptacle - Exterior	CA-12
CA-13	Receptacle	20 A	1	1080... 900 VA			1	20 A	Receptacle	CA-14
CA-15	Receptacle	20 A	1		900 VA 1080...		1	20 A	Receptacle	CA-16
CA-17	Receptacle	20 A	1			1080... 720 VA	1	20 A	Receptacle	CA-18
CA-19	Receptacle	20 A	1	720 VA 720 VA			1	20 A	Receptacle	CA-20
CA-21	Receptacle	20 A	1		720 VA 500 VA		1	20 A	Power	CA-22
CA-23	Power	20 A	1			500 VA 540 VA	1	20 A	Receptacle	CA-24
CA-25	Receptacle	20 A	1	900 VA 360 VA			1	20 A	Receptacle	CA-26
CA-27	Receptacle	20 A	1		180 VA 900 VA		1	20 A	Receptacle	CA-28
CA-29	Receptacle	20 A	1			180 VA 180 VA	1	20 A	Receptacle	CA-30
CA-31	Other	20 A	1	0 VA 2500...			2	20 A	Receptacle	CA-32
CA-33	Receptacle	20 A	2		2500... 2500...					CA-34
CA-35						2500...				CA-36
CA-37					180 VA		1	20 A	Receptacle	CA-38
CA-39	Receptacle	20 A	1		360 VA 2500...		2	20 A	Receptacle	CA-40
CA-41	Receptacle	20 A	1			720 VA 2500...				CA-42
	Total Load:			10240 VA	12500 VA	11260 VA				
	Total Amps:			85 A	105 A	95 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 VA	0.00%	0 VA		
Receptacle	31200 VA	66.03%	20600 VA	**Total Conn. Load:**	34000 VA
Power	2800 VA	100.00%	2800 VA	**Total Est. Demand:**	23400 VA
				Total Conn.:	94 A
				Total Est. Demand:	65 A

Notes:

Branch Panel: CB

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: MLO
Mains Rating: 250 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
CB-1	Guest Corridor Lights	20 A	1	1477... 308 VA			1	20 A	Maintenance/RR Lights	CB-2
CB-3	Fintess Center Lights	20 A	1		1057... 1132...		1	20 A	Meeting Room Lights	CB-4
CB-5	Lobby Lights	20 A	1			1570... 0 VA	1	20 A	Laundry Lights	CB-6
CB-7	Entrance/Storage Lights	20 A	1	123 VA 0 VA			1	20 A	Other	CB-8
CB-9	Receptacle	20 A	1		540 VA 720 VA		1	20 A	Receptacle	CB-10
CB-11	Receptacle	20 A	1			360 VA 360 VA	1	20 A	Receptacle	CB-12
CB-13	Receptacle	20 A	1	540 VA 180 VA			1	20 A	Receptacle - Exterior	CB-14
CB-15	Receptacle	20 A	1		540 VA 540 VA		1	20 A	Receptacle	CB-16
CB-17	Receptacle	20 A	1			720 VA 360 VA	1	20 A	Receptacle	CB-18
CB-19	Receptacle	20 A	1	360 VA 500 VA			1	20 A	Power	CB-20
CB-21					2005... 360 VA		1	20 A	Receptacle	CB-22
CB-23	Booster Pump	30 A	3			2005... 1500...	1	20 A	Elevator lights, fan, controls	CB-24
CB-25				2005... 1500...			1	20 A	Elevator lights, fan, controls	CB-26
CB-27	Spare	20 A	1		0 VA 1800...		1	20 A	EWH - Stairs #2	CB-28
CB-29	Spare	20 A	1			0 VA 0 VA	1	20 A	Spare	CB-30
CB-31										CB-32
CB-33										CB-34
CB-35										CB-36
CB-37										CB-38
CB-39										CB-40
CB-41										CB-42
	Total Load:			6974 VA	8677 VA	6868 VA				
	Total Amps:			58 A	72 A	57 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Dwelling Unit	2280 VA	100.00%	2280 VA		
Other	3000 VA	100.00%	3000 VA	**Total Conn. Load:**	22519 VA
Receptacle	5580 VA	100.00%	5580 VA	**Total Est. Demand:**	23380 VA
Power	8315 VA	100.00%	8315 VA	**Total Conn.:**	63 A
Lighting	3447 VA	125.00%	4308 VA	**Total Est. Demand:**	65 A

Notes:

HOME2 - VICKSBURG, 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

Branch Panel: EM

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: MLO
Mains Rating: 250 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
EM-1	Lighting	20 A	1	0 VA 0 VA			1	20 A	Lighting	EM-2
EM-3		20 A	1		160 VA 360 VA		1	20 A	Receptacle	EM-4
EM-5	Receptacle	20 A	1			360 VA 180 VA	1	20 A	Receptacle	EM-6
EM-7				720 VA 1250...						EM-8
EM-9	PANEL "PBX"	100 A	3		720 VA 1250...		2	20 A	CU-11	EM-10
EM-11						0 VA 1250...				EM-12
EM-13				1250...			2	20 A	CU-10	EM-14
EM-15										EM-16
EM-17										EM-18
EM-19										EM-20
EM-21										EM-22
EM-23										EM-24
EM-25										EM-26
EM-27										EM-28
EM-29										EM-30
EM-31										EM-32
EM-33										EM-34
EM-35										EM-36
EM-37										EM-38
EM-39										EM-40
EM-41										EM-42
	Total Load:			3220 VA	2490 VA	1790 VA				
	Total Amps:			28 A	22 A	15 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 VA	0.00%	0 VA		
Receptacle	2340 VA	100.00%	2340 VA	**Total Conn. Load:**	7500 VA
Power	5000 VA	100.00%	5000 VA	**Total Est. Demand:**	7540 VA
Lighting	160 VA	125.00%	200 VA	**Total Conn.:**	21 A
				Total Est. Demand:	21 A

Notes:

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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

RYAN J. HERTTER — LICENSED PROFESSIONAL ENGINEER — 19912 — STATE OF MISSISSIPPI — 5/21/19

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites 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

Sheet No. E402

Released for

HOME2suites Vicksburg

5/24/2019 7:22:50 PM

Branch Panel: HAC

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:** MLO | **Mains Rating:** 250 A | **MCB Rating:** 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
HAC-1	AHU-1	60 A	2	4990...	4990...					2	60 A	AHU-2	HAC-2
HAC-3						4990...	4990...						HAC-4
HAC-5	AHU-3	60 A	2					4990...	4990...	2	60 A	AHU-4	HAC-6
HAC-7				4990...	4990...								HAC-8
HAC-9	AHU-5	60 A	3			5280...	3950...			2	50 A	AHU-8	HAC-10
HAC-11								5280...	3950...				HAC-12
HAC-13				5280...	530 VA					1	20 A	EF-4	HAC-14
HAC-15	AHU-7	60 A	2			4990...							HAC-16
HAC-17								4990...					HAC-18
HAC-19													HAC-20
HAC-21													HAC-22
HAC-23													HAC-24
HAC-25													HAC-26
HAC-27													HAC-28
HAC-29													HAC-30
HAC-31													HAC-32
HAC-33													HAC-34
HAC-35													HAC-36
HAC-37													HAC-38
HAC-39													HAC-40
HAC-41													HAC-42
		Total Load:		25770 VA		24200 VA		24200 VA					
		Total Amps:		215 A		202 A		202 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	530 VA	125.00%	663 VA		
Power	73640 VA	100.00%	73640 VA	**Total Conn. Load:**	74170 VA
				Total Est. Demand:	74303 VA
				Total Conn.:	206 A
				Total Est. Demand:	206 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					1500...	1500...							LDY-2
LDY-3	DRYER	30 A	3			1500...	1500...			3	30 A	WASHER	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	AHU-6	60 A	2	4990...	1500...								LDY-14
LDY-15						4990...	1500...			3	30 A	WASHER	LDY-16
LDY-17	Receptacle	20 A	1					720 VA	1500...				LDY-18
LDY-19	Receptacle	20 A	1	360 VA	615 VA					1	20 A	Refrigerator	LDY-20
LDY-21	Receptacle	20 A	1			180 VA	180 VA			1	20 A	Receptacle	LDY-22
LDY-23													LDY-24
LDY-25													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		
Power	32480 VA	100.00%	32480 VA	**Total Conn. Load:**	34535 VA
Refrigerator	615 VA	100.00%	615 VA	**Total Est. Demand:**	34535 VA
				Total Conn.:	96 A
				Total Est. Demand:	96 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				1550...	1550...								RF-2
RF-3	MUA-1	175 A	3			1550...	1550...			3	175 A	MUA-2	RF-4
RF-5								1550...	1550...				RF-6
RF-7				1440...	1440...								RF-8
RF-9	CU-1	20 A	3			1440...	1440...			3	20 A	CU-2	RF-10
RF-11								1440...	1440...				RF-12
RF-13				1440...	1440...								RF-14
RF-15	CU-4	20 A	3			1440...	1440...			3	20 A	CU-6	RF-16
RF-17								1440...	1440...				RF-18
RF-19				1440...	1440...								RF-20
RF-21	CU-7	20 A	3			1440...	1440...			3	20 A	CU-3	RF-22
RF-23								1440...	1440...				RF-24
RF-25	Roof Receptacles	20 A	1	540 VA	1456...					2	20 A	CU-8	RF-26
RF-27	Roof Lighting	20 A	1			144 VA	1456...						RF-28
RF-29	CU-9	20 A	2					1350...	0 VA	1	20 A	Spare	RF-30
RF-31				1350...	360 VA					1	20 A	Roof Receptacles	RF-32
RF-33	CU-5	20 A	2			2912...	400 VA			1	20 A	Motorized Dampers	RF-34
RF-35								2912...	1350...	2	20 A	CU-10	RF-36
RF-37	Sign	20 A	1	500 VA	1350...								RF-38
RF-39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	RF-40
RF-41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	RF-42
		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: 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				8000...									K-20
K-21	Power	20 A	3			8000...							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													K-42
		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	**Total Conn. Load:**	27901 VA
Receptacle	3240 VA	100.00%	3240 VA	**Total Est. Demand:**	27953 VA
Power	24000 VA	100.00%	24000 VA	**Total Conn.:**	77 A
Lighting	205 VA	125.00%	256 VA	**Total Est. Demand:**	78 A

Notes:

Branch Panel: 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: 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	**Total Conn. Load:**	99250 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	85942 VA
Receptacle	22320 VA	72.40%	16160 VA	**Total Conn.:**	275 A
Lighting	1298 VA	125.00%	1623 VA	**Total Est. Demand:**	239 A
Refrigerator	3690 VA	75.00%	2768 VA		
Dishwasher	9000 VA	75.00%	6750 VA		
Microwave	7200 VA	75.00%	5400 VA		

Notes:

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites 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

Sheet No. E403

Released for

4/3/2019 6:46:36 PM

HOME2suites Vicksburg

Branch Panel: 2A

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
2A-1	Receptacle	20 A	1	540 VA	0 VA					1	20 A	Lighting	2A-2
2A-3	Receptacle	20 A	1			360 VA	79 VA			1	20 A	Lighting	2A-4
2A-5	Receptacle	20 A	1					1080...	360 VA	1	20 A	Lighting	2A-6
2A-7	Receptacle	20 A	1	180 VA	1175...					1	20 A	Lighting	2A-8
2A-9	Receptacle	20 A	1			180 VA	1600...			1	20 A	Lighting	2A-10
2A-11	Receptacle	20 A	1					1260...	79 VA	1	20 A	Lighting	2A-12
2A-13	Receptacle	20 A	1	900 VA	180 VA					1	20 A	Lighting	2A-14
2A-15	Receptacle	20 A	1			1080...	180 VA			1	20 A	Lighting	2A-16
2A-17	Receptacle	20 A	1					180 VA	360 VA	1	20 A	Receptacle	2A-18
2A-19	Ice Maker	20 A	1	750 VA	360 VA					1	20 A	Receptacle	2A-20
2A-21	PANEL "B"	100 A	2			1019...	7605...			2	100 A	PANEL "A"	2A-22
2A-23								1046...	6875...				2A-24
2A-25	PANEL "A"	100 A	2	7605...	7605...					2	100 A	PANEL "A"	2A-26
2A-27						6875...	6875...						2A-28
2A-29									7605...	2	100 A	PANEL "A"	2A-30
2A-31	PANEL "A"	100 A	2	7605...	6875...								2A-32
2A-33						6875...							2A-34
2A-35	PANEL "A"	100 A	2					7605...					2A-36
2A-37				6875...									2A-38
2A-39													2A-40
2A-41													2A-42
		Total Load:		40651 VA		41832 VA		35869 VA					
		Total Amps:		345 A		355 A		299 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	48000 VA	100.00%	48000 VA		
Lighting - Dwelling Unit	1700 VA	100.00%	1700 VA	**Total Conn. Load:**	118351 VA
Motor	876 VA	103.45%	906 VA	**Total Est. Demand:**	97581 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	329 A
Receptacle	34830 VA	64.36%	22415 VA	**Total Est. Demand:**	271 A
Power	0 VA	0.00%	0 VA		
Lighting	1469 VA	125.00%	1836 VA		
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 3A & 4A.

Branch Panel: 2B

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
2B-1	PANEL "A"	20 A	2	7605...	7605...					2	20 A	PANEL "A"	2B-2
2B-3						6875...	6875...						2B-4
2B-5	PANEL "A"	20 A	2					7605...	7605...	2	20 A	PANEL "A"	2B-6
2B-7				6875...	6875...								2B-8
2B-9	PANEL "A"	20 A	2			7605...	7605...			2	20 A	PANEL "A"	2B-10
2B-11								6875...	6875...				2B-12
2B-13					7605...					2	20 A	PANEL "A"	2B-14
2B-15							6875...						2B-16
2B-17													2B-18
2B-19													2B-20
2B-21													2B-22
2B-23													2B-24
2B-25													2B-26
2B-27													2B-28
2B-29													2B-30
2B-31													2B-32
2B-33													2B-34
2B-35													2B-36
2B-37													2B-38
2B-39													2B-40
2B-41													2B-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 3B & 4B.

Branch Panel: 2C

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
2C-1	PANEL "A"	20 A	2	7605...	7605...					2	20 A	PANEL "A"	2C-2
2C-3						6875...	6875...						2C-4
2C-5	PANEL "A"	20 A	2					7605...	1019...	2	20 A	PANEL "B"	2C-6
2C-7				6875...	1046...								2C-8
2C-9	PANEL "B"	20 A	2			1019...	7605...			2	20 A	PANEL "A"	2C-10
2C-11								1046...	6875...				2C-12
2C-13										2	20 A	PANEL "A"	2C-14
2C-15													2C-16
2C-17													2C-18
2C-19													2C-20
2C-21													2C-22
2C-23													2C-24
2C-25													2C-26
2C-27													2C-28
2C-29													2C-30
2C-31													2C-32
2C-33													2C-34
2C-35													2C-36
2C-37													2C-38
2C-39													2C-40
2C-41													2C-42
		Total Load:		32551 VA		31554 VA		35145 VA					
		Total Amps:		273 A		263 A		294 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	**Total Conn. Load:**	99250 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	85942 VA
Receptacle	22320 VA	72.40%	16160 VA	**Total Conn.:**	275 A
Lighting	1298 VA	125.00%	1623 VA	**Total Est. Demand:**	239 A
Refrigerator	3690 VA	75.00%	2768 VA		
Dishwasher	9000 VA	75.00%	6750 VA		
Microwave	7200 VA	75.00%	5400 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 3C & 4C.

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					7605...	7605...	2	20 A	PANEL "A"	2D-6
2D-7				6875...	6875...								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.

Branch Panel: PANEL "A"

Location: King Studio 146 | **Supply From:** 1A | **Mounting:** Surface | **Enclosure:** NEMA 1
Volts: 120/240 Single | **Phases:** 1 | **Wires:** 3
A.I.C. Rating: 10K | **Mains Type:** MCB | **Mains Rating:** 100 A | **MCB Rating:** 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
A-1	Suite Lights	20 A	1	211 VA	1500 VA			1	20 A	Kitchenette Receptacles	A-2
A-3	Suite Receptacles	20 A	1			995 VA	1500 VA	1	20 A	Dishwasher	A-4
A-5	Suite Receptacles	20 A	1	1080 VA	615 VA			1	20 A	Refrigerator	A-6
A-7	Bathroom Receptacle	20 A	1			180 VA	1200 VA	1	20 A	Microwave	A-8
A-9	PTAC	20 A	2	3000 VA	1200 VA			1	20 A	Garbage Disposal	A-10
A-11						3000 VA	0 VA	1	20 A	Spare	A-12
		Total Load:		7605 VA		6875 VA					
		Total Amps:		63 A		57 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	6000 VA	100.00%	6000 VA		
Motor	121 VA	125.00%	151 VA	**Total Conn. Load:**	14480 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	14557 VA
Receptacle	3660 VA	100.00%	3660 VA	**Total Conn.:**	60 A
Lighting	190 VA	125.00%	237 VA	**Total Est. Demand:**	61 A
Refrigerator	615 VA	100.00%	615 VA		
Dishwasher	1500 VA	100.00%	1500 VA		
Microwave	1200 VA	100.00%	1200 VA		

Notes:

Branch Panel: PANEL "B"

Location: King One Bedroom 147 | **Supply From:** 1A | **Mounting:** Surface | **Enclosure:** NEMA 1
Volts: 120/240 Single | **Phases:** 1 | **Wires:** 3
A.I.C. Rating: 10K | **Mains Type:** MCB | **Mains Rating:** 100 A | **MCB Rating:** 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
B-1	Suite Lighting	20 A	1	120 VA	1200 VA			1	20 A	Garbage Disposal	B-2
B-3	Kitchenette Receptacles	20 A	1			1500 VA	615 VA	1	20 A	Refrigerator	B-4
B-5	Bathroom Receptacle	20 A	1	180 VA	1500 VA			1	20 A	Dishwasher	B-6
B-7	Suite Receptacles	20 A	1			1535 VA	816 VA	1	20 A	Bedroom Receptacles	B-8
B-9	Suite PTAC	20 A	2	3000 VA	1200 VA			1	20 A	Microwave	B-10
B-11						3000 VA	3000 VA	2	20 A	Bedroom PTAC	B-12
B-13	Spare	20 A	1	0 VA	3000 VA						B-14
B-15	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	B-16
B-17	Space	--	--	0 VA	0 VA			--	--	Space	B-18
		Total Load:		10199 VA		10465 VA					
		Total Amps:		85 A		87 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	12000 VA	100.00%	12000 VA		
Motor	50 VA	125.00%	63 VA	**Total Conn. Load:**	20664 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	20741 VA
Receptacle	3840 VA	100.00%	3840 VA	**Total Conn.:**	86 A
Lighting	270 VA	125.00%	337 VA	**Total Est. Demand:**	86 A
Refrigerator	615 VA	100.00%	615 VA		
Dishwasher	1500 VA	100.00%	1500 VA		
Microwave	1200 VA	100.00%	1200 VA		

Notes:

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REVISIONS

No.	Date	Description

RYAN J. HERTTER — REGISTERED PROFESSIONAL ENGINEER — 19912 — STATE OF MISSISSIPPI — 4/2/19

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites 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

Sheet No. E404

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ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING
A	LED TROFFER (LETTER REFERENCES FIXTURE SCHEDULE)
	LED EMERGENCY LIGHTING TROFFER
A	LED RECESSED OR SURFACE FIXTURE (LETTER REFERENCES FIXTURE SCHEDULE)
	LED RECESSED OR EMERGENCY LIGHTING FIXTURE
A	LED RECESSED FIXTURE (LETTER REFERENCES FIXTURE SCHEDULE)
	WALL MOUNTED LIGHTING FIXTURE
	POLE MOUNTED LIGHTING FIXTURE
	EXIT SIGN (FURNISH WITH DUAL FACES AND DIRECTIONAL ARROWS WHERE INDICATED)
	EMERGENCY LIGHTING UNIT
	REMOTE EMERGENCY TWIN LIGHTING HEAD
	SERVICE AND DISTRIBUTION
	SWITCHBOARD
	DISTRIBUTION PANEL
	BRANCH CIRCUIT PANEL
	TRANSFORMER
G	MOTOR CONNECTION
G	GENERATOR CONNECTION
	DISCONNECT SWITCH (FUSED AS REQUIRED)
	MOTOR CONTROLLER (SPECIFIED IN OTHER THAN DIV. 26)
	COMBINATION MOTOR CONTROLLER & DISCONNECT SWITCH (SPECIFIED IN OTHER THAN DIV. 26)
	EQUIPMENT NOT FURNISHED UNDER DIV. 26 (SPECIFIED IN OTHER THAN DIV. 26)
A	EQUIPMENT ELECTRICAL CONNECTION
M	AMMETER
R	ELECTRIC METER
CB	RELAY
LC	CIRCUIT BREAKER
PC	LIGHTING CONTACTOR
T	PHOTOCELL
	THERMOSTAT
	BASIC MATERIALS
1	BRANCH CIRCUIT WIRE & CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING, HOME RUN TO PANELBOARD. A NUMERAL, IF PRESENT AT ARROW HEAD, INDICATES CIRCUIT NUMBER. ANY BRANCH CIRCUIT SHOWN WITHOUT SLASH MARKS INDICATES A CONDUIT CONTAINING (3) #12 AWG CONDUCTORS (HOT, NEUTRAL & GROUND). SLASH MARKS, IF PRESENT, INDICATE THE FOLLOWING:
	HOT (ENERGIZED) CONDUCTOR
	NEUTRAL CONDUCTOR
	GROUND CONDUCTOR
	WIRE & CONDUIT RUN EXPOSED
	WIRE & CONDUIT RUN IN OR UNDER FLOOR
UE	UNDERGROUND ELECTRICAL DUCTBANK OR CONDUIT
	WIRE & CONDUIT TURNED UP
	WIRE & CONDUIT TURNED DOWN
LV	LOW VOLTAGE WIRING RUN IN CONDUIT
	ELECTRICAL CONNECTION REQUIRED
	EXISTING LIGHT FIXTURE OR ELECTRICAL DEVICE BE REMOVED AND/OR RELOCATED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED. UNO, LINE TYPE TYPICAL FOR ALL DEVICES TO BE REMOVED AND/OR RELOCATED.
	DISCONNECT SWITCH
J	JUNCTION BOX
	PUSHBUTTON
S_M	MANUAL MOTOR STARTER SWITCH
S	SINGLE-POLE, SINGLE-THROW (S.P.S.T.) WALL SWITCH
S_K	KEYED WALL SWITCH
S_D	WALL BOX DIMMER CONTROL
S_3	SINGLE-POLE, DOUBLE-THROW (S.P.D.T.) WALL SWITCH
	SINGLE RECEPTACLE IN WALL (NEMA 5-20R)
	DUPLEX RECEPTACLE IN WALL (NEMA 5-20R)
GFCI	G.F.I. TYPE DUPLEX RECEPTACLE IN WALL 44" A.F.F. (NEMA 5-20R)
	DUPLEX RECEPTACLE IN WALL, EMERGENCY CIRCUIT (NEMA 5-20R)
	DUPLEX RECEPTACLE IN FLOOR (NEMA 5-20R)
	DOUBLE DUPLEX RECEPTACLE IN WALL (NEMA 5-20R)
WP	G.F.I. TYPE DUPLEX RECEPTACLE OUTDOORS (WEATHER PROOF)
	HIGH VOLTAGE RECEPTACLE (NEMA 14-30R)

SYMBOL	DESCRIPTION
	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
FS	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 4
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
M	MICROPHONE OUTLET IN WALL
M	MICROPHONE OUTLET IN FLOOR
S	CEILING MOUNTED SPEAKER
B	DOORBELL 4

ELECTRICAL ABBREVIATIONS

SYMBOL	DESCRIPTION
A	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERES INTERRUPTING CURRENT
ANN	ANNUNCIATOR
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLP	CURRENT LIMITING PANEL
CT	CURRENT TRANSFORMER
CU	COPPER
DISC	DISCONNECT
EDF	ELECTRIC DRINKING FOUNTAIN
FAAP	FIRE ALARM ANNUNNICATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
G	GROUND
GFI	GROUND FAULT CURRENT
HP	INTERRUPTER
HZ	HORSEPOWER
KCMIL	HERTZ
KVA	THOUSAND CIRCULAR MILS
KW	KILOVOLT-AMPERE
LED	KILOWATT
MCC	LIGHT EMITTING DIODE
MLO	MOTOR CONTROL CENTER
N	MAIN LUGS ONLY
NEC	NEUTRAL
PF	NATIONAL ELECTRIC CODE
SOWB	POWER FACTOR
UGW	SPACE ONLY WITH BUS
V	UNDERGROUND ELECTRICAL
VA	VOLT
VFD	VOLT-AMPERE
WP	VARIABLE FREQUENCY DRIVE
XFMR	WEATHER PROOF
3P	TRNASFORMER
3PH	THREE POLE
4W	THREE PHASE
30/3	FOUR WIRE
	30 AMPERE, 3-POLE

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

MARK	MFG'R	CATALOG NUMBER	LAMPS QTY.	LAMPS W. & TYPE	VOLTS	MOUNTING	REMARKS
A	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETER-MINED	100W. MAX	120V.	WALL MTD.	FLUORESCENT WALL BRACKET IN GUEST ROOM CORRIDORS -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
B	LITHONIA LIGHTING	LDN6 35/15 LO6AR 120		LED	120V.	RECESS	LED DOWNLIGHT WITH UL WET LABEL - PROVIDE EMERGENCY BATTERY BACK-UP WHERE SHADED.
C	LITHONIA LIGHTING	LDN6 35/15 LO6AR 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 FLUORESCENT FIXTURE -- MTD ON WALL ABOVE GUEST BATHROOM MIRROR
D1	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETERMIN ED	100W. MAX.	120V.	PENDANT	DECORATIVE PENDANT FIXTURE IN RESTROOMS
D2	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETERMIN ED	500W. MAX	120V.	PENDANT	DECORATIVE PENDANT IN LOBBY OASIS
D3	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETERMIN 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. FLUORESCENT FIXTURE -- MOUNT ON WALL ABOVE MIRROR IN PUBLIC RESTROOMS 4
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 FLUORESCENT PARABOLIC TROFFER -- -- FURNISH WITH FLANGE KIT WHERE NECESSARY
K	LITHONIA LIGHTING	WL4 41L D43 LP835 N80 NSPDT7 DIM50		LED	120V.	WALL MTD.	WALL MOUNTED FLUORESCENT FIXTURE IN STAIRWELL
L	LITHONIA LIGHTING	LBL4 LP835		LED	120V.	SURFACE	WRAP AROUND SURFACE MOUNTED FLUORESCENT
M	LITHONIA LIGHTING	2MPL3N G A 3 32 18LD MVOLT 1/3 GEB10PS PWS1836 LP835		LED	120V.	RECESS	2 X 4 LAY-IN FLUORESCENT TROFFER -- -- FURNISH WITH FLANGE KIT WHERE NECESSARY
N	LITHONIA LIGHTING	LDN6 35/15 LO6AR 120		LED	120V.	RECESS	LED DIRECTIONAL EYEBALL
P	HALO (COOPER)	CLI-ET2010400 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 LO6AR 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 FLUORESCENT 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.) ALLEXTERIOR FIXTURES SHALL BE LABLED "WET" OR "DAMP" LOCATIONS AS DETERMINED BY THEIR LOCATIONS.
3.) ALLPOOL AREA CIRCUITS SHALL BE EQUIPPED WITH GFIC PROTECTION.
4.) VERIFY ALL MOUNTING HEIGHTS WITH ARCHICTECT PRIOR TO ROUGH-IN.

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

RYAN J. HERTTER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 7/16/19

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
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Drawing Title
ELECTRICAL - LEGEND, NOTES, & SPECS

Phase
Construction Documents

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

Sheet No. E406

Released for

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SPECIFICATIONS & NOTES

1. 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.

2. 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.

3. 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.

4. 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.

5. 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).

6. 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.

7. 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.

8. 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.

9. 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.

10. 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.

11. 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 COMPLETER WEATHERPROOFING OF PENETRATION. FURNISH ROOF FLASHING FOR ALL CONDUIT OR EQUIPMENT WHICH PENETRATES ROOF.

12. 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 PHILLIPS. 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. UON, CENTER ALL DOWNLIGHTS AND WALLWASHERS ON CEILING TILE.

13. 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 CONNECTORS AND CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET. ALL CONDUITS SHALL HAVE BUSHING 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.

14. 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.

15. 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.

SPECIFICATIONS & NOTES

16. FUSES: CLASS RK-1 TIME DELAY FUSE FOR PROTECTING CIRCUIT BREAKERS. BUSSMAN LIMITRON OR EQUAL. CLASS RK-5 TIME DELAY FUSE FOR PROTECTION OF MOTORS AND TRANSFORMERS. BUSSMAN FUSETRON OR EQUAL. 200K AIC AT RATED VOLTAGE.

17. 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.

18. 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.

19. 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-MAKE, QUICK-BREAK, THERMAL MAGNETIC TRIPS INDICATING AND SHALL HAVE COMMON TRIP ON ALL MULTIPOLE 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 KEYED 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 INSTALLS FIVE SPARE 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.

20. SAFETY SWITCHES/DISCONNECTS: SAFETY SWITCHES AND DISCONNECT SWITCHES SHALL BE TYPE HD BY CUTLER-HAMMER, SQUARE "D" OR GENERAL ELECTRIC. LOCATE 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.

21. 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.

22. COLOR CODING OF CONDUCTORS: COLOR CODE CONDUCTORS IN ACCORDANCE WITH THE NEC AND WITH STANDARD AND ACCEPTED TRADE PRACTICES.

23. OUTLET BOX MOUNTING HEIGHTS: UNLESS OTHERWISE NOTED, WALL SWITCHES (GENERAL): 48" AFF, RECEPTACLES: 18" AFF, TELEPHONE WALL OUTLETS: 48" AFF, THERMOSTATS: 48" AFF.

24. OUTLETS AND CONDUIT FOR OTHER TRADES: PROVIDE CONCEALED 4" SQUARE (OR SMALLER WHEN REQUIRED) OUTLET 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.

25. 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.

26. 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.

27. 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.

28. 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.

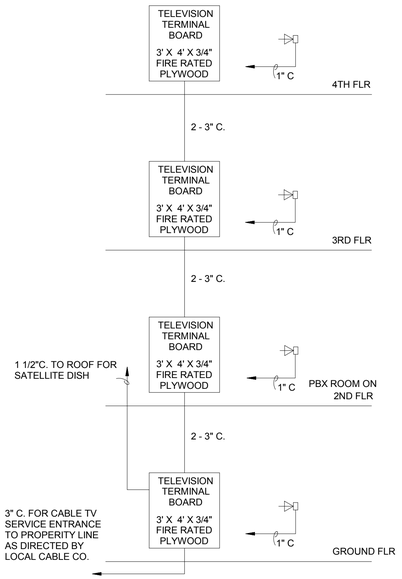
29. UNDERGROUND INSTALLATIONS: WHERE CONDUIT IN INSTALLED BELOW GRADE, THE MINIMUM BURIAL DEPTH SHALL BE 24" UNLESS INSTALLED UNDER BUILDING SLAB (WHERE THERE IS NO MINIMUM BURIAL DEPTH). WHERE RIGID CONDUIT IS INSTALLED BELOW GRADE, COAT CONDUIT AND COUPLINGS WITH (2) COATS OF ASPHALTUM PAINT. UNDERGROUND 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.

30. 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.

31. 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.

32. 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.

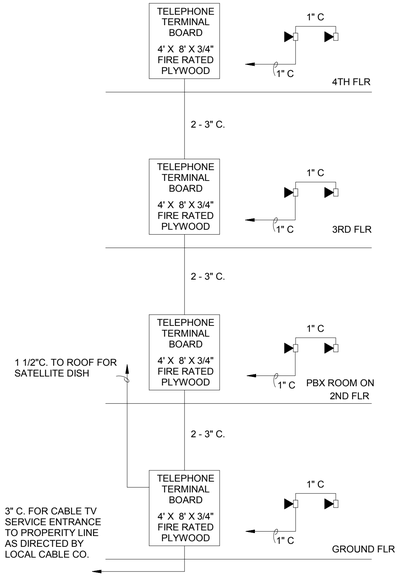
1 SPECIFICATIONS & NOTES
1/8" = 1'-0"



TELEVISION CONDUIT DIAGRAM

SCHEMATIC --- NO SCALE

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



TELEPHONE CONDUIT DIAGRAM

SCHEMATIC --- NO SCALE

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

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REVISIONS		
No.	Date	Description

RYAN J. HERTTER REGISTERED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI 4/2/19

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - COMMUNICATIONS RISERS & DETAILS

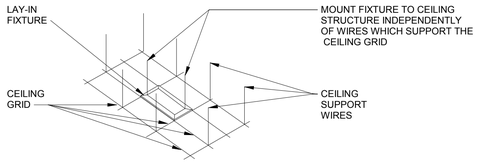
Phase
Construction Documents

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

Sheet No.
E407

Released for

HOME2suites Vicksburg



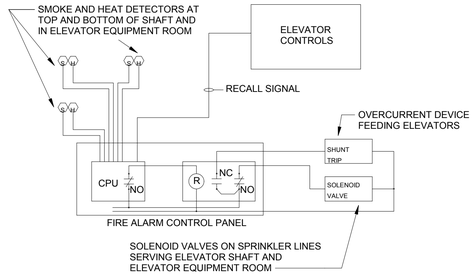
NOTES:
1.) HANGER WIRES SHALL BE A MINIMUM OF 18 GAUGE.
2.) HANGER WIRES SHALL BE ATTACHED AT DIAGONAL CORNERS.
3.) HANGER WIRES SHALL BE INDEPENDENT OF CEILING GRID SUPPORT WIRES.

1 LAY-IN FIXTURE SUPPORT
N.T.S.

NOTE:

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.

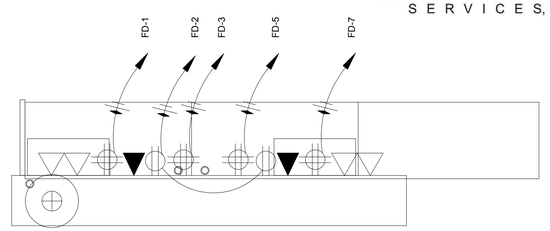
THE SMOKE DETECTORS IN THE ELEVATOR LOBBIES SHALL ALSO INITIATE THE ELEVATOR RECALL CONTROLS.



ELEVATOR CIRCUIT BREAKER AND SOLENOID VALVE CONTROLS

SCHEMATIC -- NO SCALE

2 ELEVATOR CIRCUIT BREAKER AND SOLENOID VALVE CONTROLS
1/8" = 1'-0"

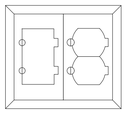


NOTE:
SEE ARCHITECTURAL INTERIOR INTERIOR PLANSFOR ELEVATION VIEW OF OUTLETS AND FOR EXACT LOCATIONS AND HEIGHTS OF OUTLETS IN FRONT DESK.

LARGE SCALE
FRONT DESK PLAN

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

3 LARGE SCALE FRONT DESK PLAN
1/4" = 1'-0"

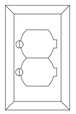


NOTES:
1.) PROVIDE HUBBELL #B4233 CAST IRON BOX WITH #SB3084 CARPET FLANGE IF REQUIRED.
2.) US NEMA 5-20R RECEPTALE FOR POWER.
3.) PROVIDE HUBBEL #S3825 COVER PLATE FOR POWER.
4.) PROVIDE HUBBELL #S3826 COVER PLATE FOR DATA OR TELEPHONE.

SYMBOL

FLOOR BOX DETAIL

SCHEMATIC -- NO SCALE



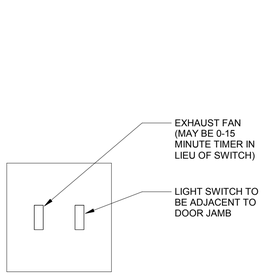
NOTES:
1.) PROVIDE HUBBELL #B4236 CAST IRON BOX WITH #SB3083 CARPET FLANGE IF REQUIRED.
2.) US NEMA 5-20R RECEPTALE FOR POWER.
3.) PROVIDE HUBBEL #S3825 COVER PLATE FOR POWER.
4.) PROVIDE HUBBELL #S3826 COVER PLATE FOR DATA OR TELEPHONE.

SYMBOL

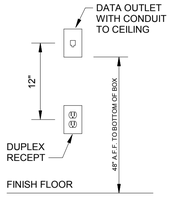
FLOOR BOX DETAIL

SCHEMATIC -- NO SCALE

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



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

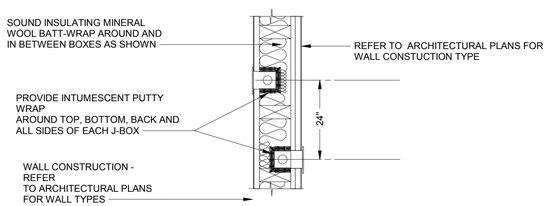
1. THE GROUNDING ELECTODE CONDUCTOR AT THE MAIN SERVICE EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-50 OF THE N.E.C. AND AS SHOWN ON THE ADJACENT SKETCH.
2. THE MAIN BONDING JUMPER AT THE MAIN SERVICE EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-102 OF THE N.E.C. AND AS SHOWN ON 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 SEPERATE 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

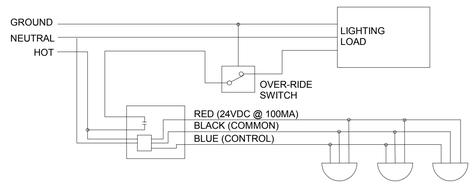
5. GROUND SERVICE TO WATER PIPE, GROUND ROD, AND CONCRETE ENCASED ELECTRODE WITH ARTILCE 250 OF THE N.E.C.

7 GROUNDING & BONDING
N.T.S.

THIS DETAIL IS INTENDED TO SHOW THE SPECIALIZED OFFSET CONDTION REQ'D AT "BACK-TO-BACK" JUNCTION BOX LOCATIONS IN WOOD STUD WALLS BETWEEN 1 HOUR FIRE RATED WALL



8 JBOX - BACK TO BACK 1HR FIRE WALL
N.T.S.



WIRE IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. FOR SITUATION WITH DIFFERENT TYPES OF CIRCUITING, SEE LIST OF ADDITIONAL WIRING DIAGRAMS AT:
www.hubbellautomation.com/tools.html#Wiring_Diagrams

TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM

SCHEMATIC -- NO SCALE

9 TYPICAL OCCUPANCY SENSOR WIRING DRAWING
1/8" = 1'-0"

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REVISIONS		
No.	Date	Description

RYAN J. HERTTER
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4/2/19

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - DETAILS

Phase
Construction Documents

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

Sheet No.
E408

Released for

HOME2suites Vicksburg

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