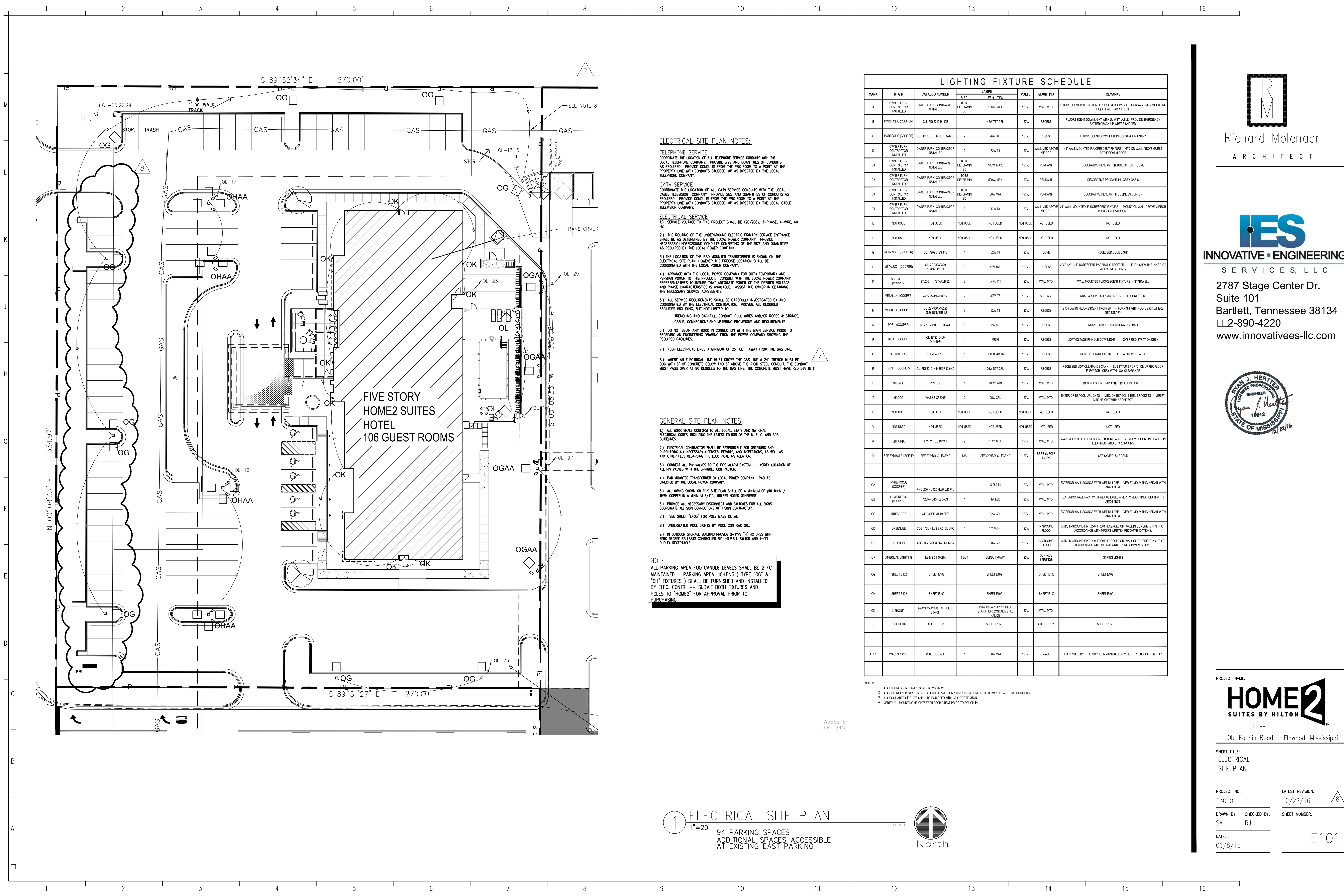




ELECTRICAL SITE PLAN NOTES:

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

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

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

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

7) KEEP ELECTRICAL LINES A MINIMUM OF 25 FEET AWAY FROM THE GAS LINE.

8) WHERE AN ELECTRICAL LINE MUST CROSS THE GAS LINE A 24" TRENCH MUST BE DUG WITH 6" OF CONCRETE BELOW AND 6" ABOVE THE RIGID STEEL CONDUIT. THE CONDUIT MUST PASS OVER AT 90 DEGREES TO THE GAS LINE. THE CONCRETE MUST HAVE RED DYE IN IT.

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 REQUIREMENTS.

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 SPRINKLER 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 THIN / THIN 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 "Y" FIXTURES WITH ZERO DEGREE BALLASTS CONTROLLED BY 1-SP.S.T. SWITCH AND 1-CP DUPLEX RECEPTACLE.

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.

LIGHTING FIXTURE SCHEDULE							
MARK	MFGOR	CATALOG NUMBER	QTY.	LAMPS		VOLTS	MOUNTING
				W. & TYPE			
A	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETERMINED	100W. MAX	120V.	WALL MTD.	FLUORESCENT WALL BRACKET IN GUEST ROOM CORRIDORS -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
B	PORTFOLIO (COOPER)	CL4P002010 H40E	1	42W TTT CFL	120V.	RECESS	FLUORESCENT DOWNLIGHT WITH UL WET LABEL -- PROVIDE EMERGENCY BATTERY BACKUP WHERE SHAD.
C	PORTFOLIO (COOPER)	CL4P002010 H40E02R24HC	2	26W DTT	120V.	RECESS	FLUORESCENT DOWNLIGHT IN GUEST ROOM ENTRY
D	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	2	32W TB	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 DETERMINED	100W. MAX.	120V.	PENDANT	DECORATIVE PENDANT FIXTURE IN RESTROOMS
D2	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETERMINED	50W. MAX.	120V.	PENDANT	DECORATIVE PENDANT IN LOBBY CASE
D3	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETERMINED	100W. MAX.	120V.	PENDANT	DECORATIVE PENDANT IN BUSINESS CENTER
D4	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	2	17W TB	120V.	WALL MTD ABOVE MIRROR	24" WALL MOUNTED FLUORESCENT FIXTURE -- MOUNT ON WALL ABOVE MIRROR IN PUBLIC RESTROOMS
E	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
F	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
G	NECARY (COOPER)	CL17602 H125 T18	1	32W TB	120V.	COVE	RECESSED COVE LIGHT
H	METALUX (COOPER)	CL43P0023A20 100V100V100	3	31W TB U	120V.	RECESS	2 X 4 LAYIN FLUORESCENT PARABOLIC TROFFER -- FURNISH WITH FLANGE KIT WHERE NECESSARY
K	SURELITES (COOPER)	STL2A "STARLITE2"	2	34W T12	120V.	WALL MTD.	WALL MOUNTED FLUORESCENT FIXTURE IN STAIRWELL
L	METALUX (COOPER)	W202A-40W-48W14	2	32W TB	120V.	SURFACE	WRAP AROUND SURFACE MOUNTED FLUORESCENT
M	METALUX (COOPER)	CL43P0023A20 100V100V100	3	32W TB	120V.	RECESS	2 X 4 LAYIN FLUORESCENT TROFFER -- FURNISH WITH FLANGE KIT WHERE NECESSARY
N	POS (COOPER)	CL4P002010 H40E	1	32W TRT	120V.	RECESS	INCANDESCENT DIRECTIONAL EYEBALL
P	HALO (COOPER)	CL4ET010400 LV14105N	1	MR16	120V.	RECESS	LOW VOLTAGE PARABOLIC DOWNLIGHT -- OVER REGISTRATION DESK
Q	DESIGN PLAN	LD44 4851G	1	LED 16-W08	120V.	RECESS	RECESS DOWNLIGHT IN SLOTT -- UL WET LABEL
R	POS (COOPER)	CL4P002010 H40E02R24HC	1	26W DTT CFL	120V.	RECESS	RECESSED LOW CLEARANCE CANN -- SUBSTITUTE FOR "C" ON UPPER FLOOR ELEVATOR LOBBY WITH LOW CLEARANCE
S	STONCO	VWALSC	1	100W. A19	120V.	WALL MTD.	INCANDESCENT VAPORITVE IN ELEVATOR PIT
T	HABCO	W482 B 072BE	2	29W CFL	120V.	WALL MTD.	EXTERIOR BEACON UPLIGHTS -- MTD ON BEACON STEEL BRACKETS -- VERIFY MTD HEIGHT WITH ARCHITECT
U	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
V	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
W	LITHONIA	FM4711 OL 10 WH	2	13W DTT	120V.	WALL MTD.	WALL MOUNTED FLUORESCENT FIXTURE -- MOUNT ABOVE DOOR ON HEAD 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	INVUE FOCUS (COOPER)	PHQ2054L120-HW-FWDPL	1	Q 250 T4	120V.	WALL MTD.	EXTERIOR WALL SCONCE WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
OB	LUMIERE RD (COOPER)	1235RD-04-LED-C3	1	4W LED	120V.	WALL MTD.	EXTERIOR WALL PACK WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
OC	NIERBRIES	WLD-32C-40T-84CIE	1	32W CFL	120V.	WALL MTD.	EXTERIOR WALL SCONCE WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
OD	GREENLEE	CDB 1700W-LVS BRZ ED MFC	1	175W MH	120V.	IN GROUND FLOOD	MTD. IN-GROUND FRT. 2'-0" FROM FLAGPOLE OR WALL IN CONCRETE IN STRICT ACCORDANCE WITH MFGRS WRITTEN RECOMMENDATIONS.
OE	GREENLEE	CDB INC PAR38 BRZ ED MFC	1	90W CFL	120V.	IN GROUND FLOOD	MTD. IN-GROUND FRT. 2'-0" FROM FLAGPOLE OR WALL IN CONCRETE IN STRICT ACCORDANCE WITH MFGRS WRITTEN RECOMMENDATIONS.
OF	AMERICAN LIGHTING	LS405-24-100BK	1 LOT	LED85-14-BWV	120V.	SURFACE STRUNGE	STRING LIGHTS
OG	SHEET E102	SHEET E102	SHEET E102	SHEET E102	SHEET E102	SHEET E102	SHEET E102
OH	SHEET E102	SHEET E102	SHEET E102	SHEET E102	SHEET E102	SHEET E102	SHEET E102
OK	LITHONIA	AWW1 150W BRHS PULSE START	1	150W CLEAR EDDY PULSE START HORIZONTAL METAL HALIDE	120V.	WALL MTD.	
OL	SHEET E102	SHEET E102	SHEET E102	SHEET E102	SHEET E102	SHEET E102	SHEET E102
FF1	WALL SCONCE	WALL SCONCE	1	100W MAX.	120V.	WALL	FURNISHED BY F.F.E. SUPPLIER - INSTALLED BY ELECTRICAL CONTRACTOR

NOTES:
1) ALL FLUORESCENT LAMPS SHALL BE WARM WHITE.
2) ALL EXTERIOR FIXTURES SHALL BE UL LISTED "WET" OR "DAMP" LOCATIONS AS DETERMINED BY THEIR LOCATIONS.
3) ALL POOL AREA CIRCUITS SHALL BE EQUIPPED WITH GFCI PROTECTION.
4) VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.

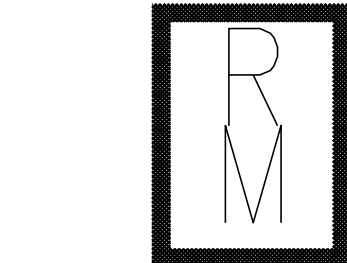
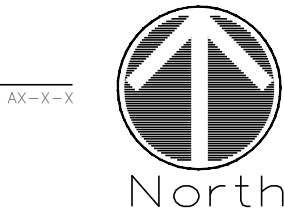
Woods of D.B. 945,

1

ELECTRICAL SITE PLAN

1"=20'

94 PARKING SPACES
ADDITIONAL SPACES ACCESSIBLE
AT EXISTING EAST PARKING



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
SITE PLAN

PROJECT NO.
13010

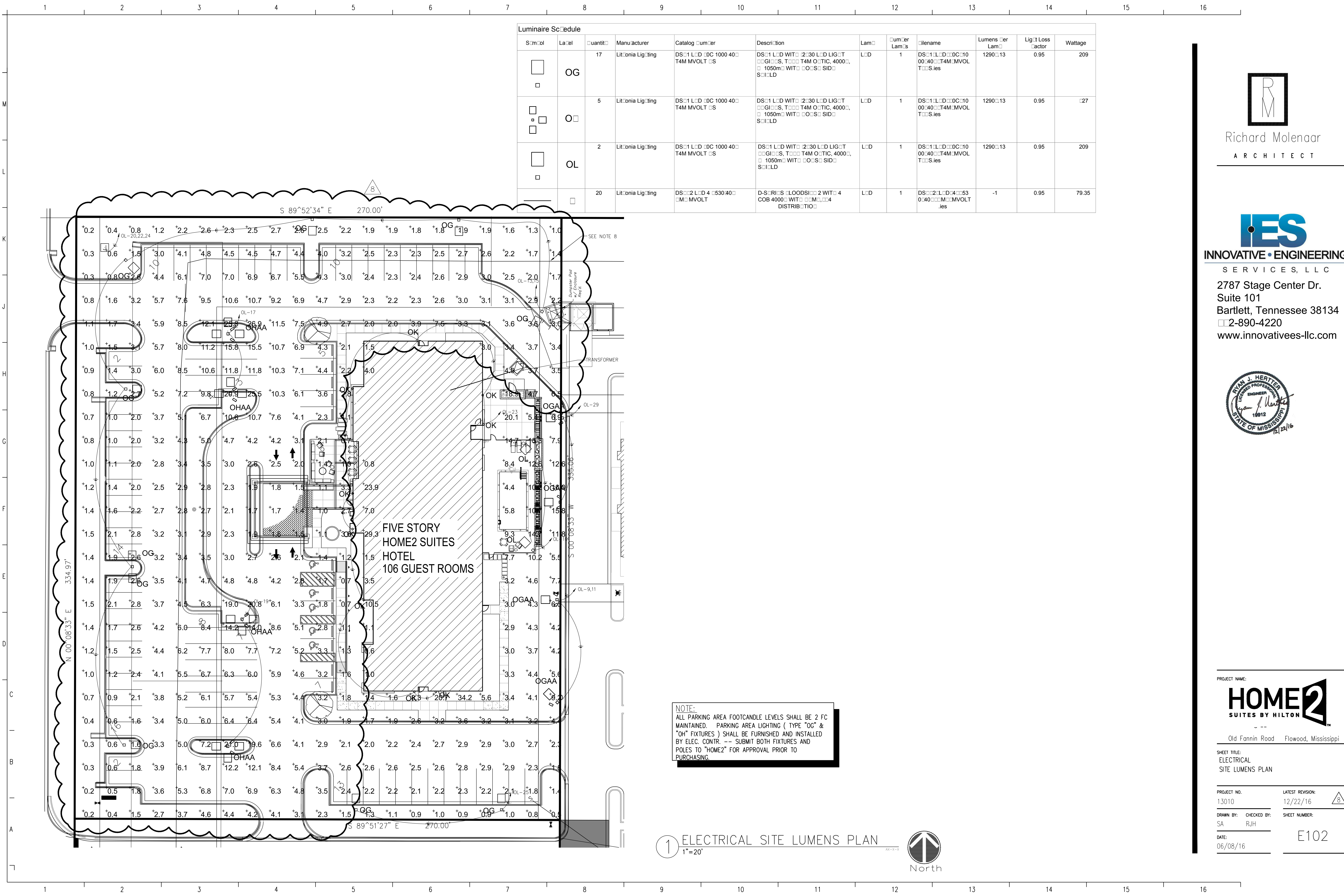
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12/22/16

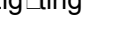
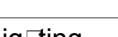
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SHEET NUMBER:

DATE:
06/8/16

E101



Luminaire Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Light Loss Factor	Wattage
	OG	17	Litonia Lighting	DS-1 LED 100 1000 40 T4M MVOLT S	DS-1 LED WIT (2:30 LED LIGHT) 100 100 100 T4M OPTIC, 4000K, 1050lm WIT 100 100 100 SID SCLD	LED	1	DS-1 LED 100 100 100 100 40 100 40 T4M MVOLT S.ies	1290 13	0.95	209
	OH	5	Litonia Lighting	DS-1 LED 100 1000 40 T4M MVOLT S	DS-1 LED WIT (2:30 LED LIGHT) 100 100 100 T4M OPTIC, 4000K, 1050lm WIT 100 100 100 SID SCLD	LED	1	DS-1 LED 100 100 100 100 40 100 40 T4M MVOLT S.ies	1290 13	0.95	27
	OL	2	Litonia Lighting	DS-1 LED 100 1000 40 T4M MVOLT S	DS-1 LED WIT (2:30 LED LIGHT) 100 100 100 T4M OPTIC, 4000K, 1050lm WIT 100 100 100 SID SCLD	LED	1	DS-1 LED 100 100 100 100 40 100 40 T4M MVOLT S.ies	1290 13	0.95	209
	OK	20	Litonia Lighting	DS-2 LED 4 530 40 100 MVOLT	D-SERIES FLOODS 2 WIT 4 COB 4000 WIT 100 100 100 4 DISTRIBUTION	LED	1	DS-2 LED 4 530 40 100 40 100 40 100 MVOLT .ies	-1	0.95	79.35

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

1 ELECTRICAL SITE LUMENS PLAN
1"=20'



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PROJECT NAME:

Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
SITE LUMENS PLAN

PROJECT NO.
13010

LATEST REVISION:
12/22/16

DRAWN BY:
SA

CHECKED BY:
RJH

SHEET NUMBER:
E102

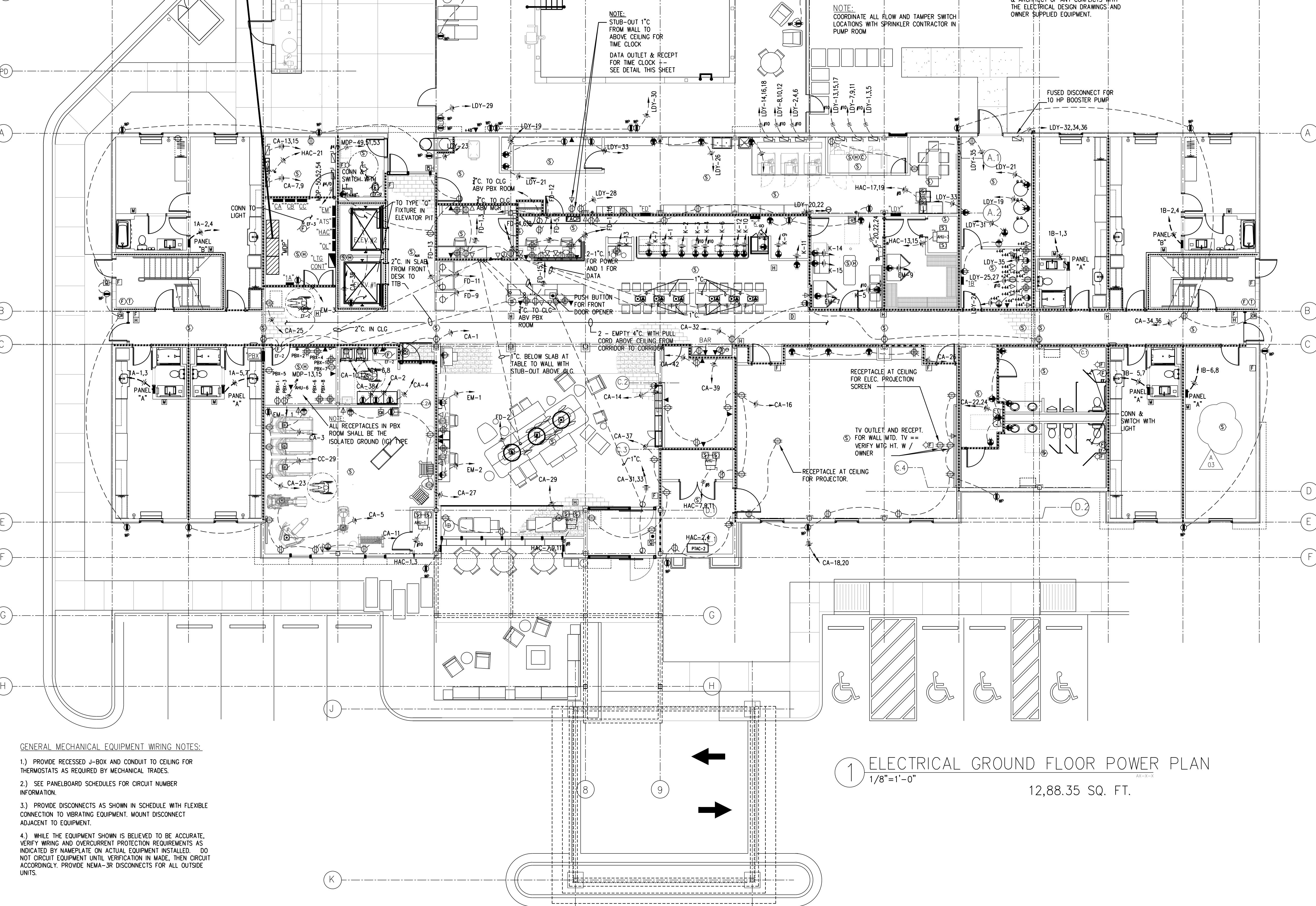
DATE:
06/08/16

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 GFC 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.

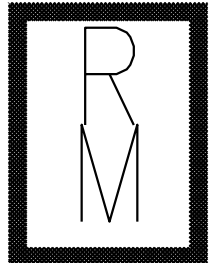


GENERAL MECHANICAL EQUIPMENT WIRING NOTES:

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

12,88.35 SQ. FT.



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CONNECT FLOW AND TAMPER SWITCHES TO FIRE ALARM SYSTEM - VERIFY EXACT LOCATIONS WITH SKRINKLER CONTRACTOR

PROJECT NAME:

HOME2
SUITES BY HILTON

Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
GROUND FLOOR POWER PLAN

PROJECT NO.
13010

LATEST REVISION:
6/8/16

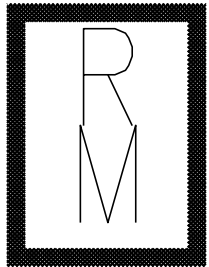
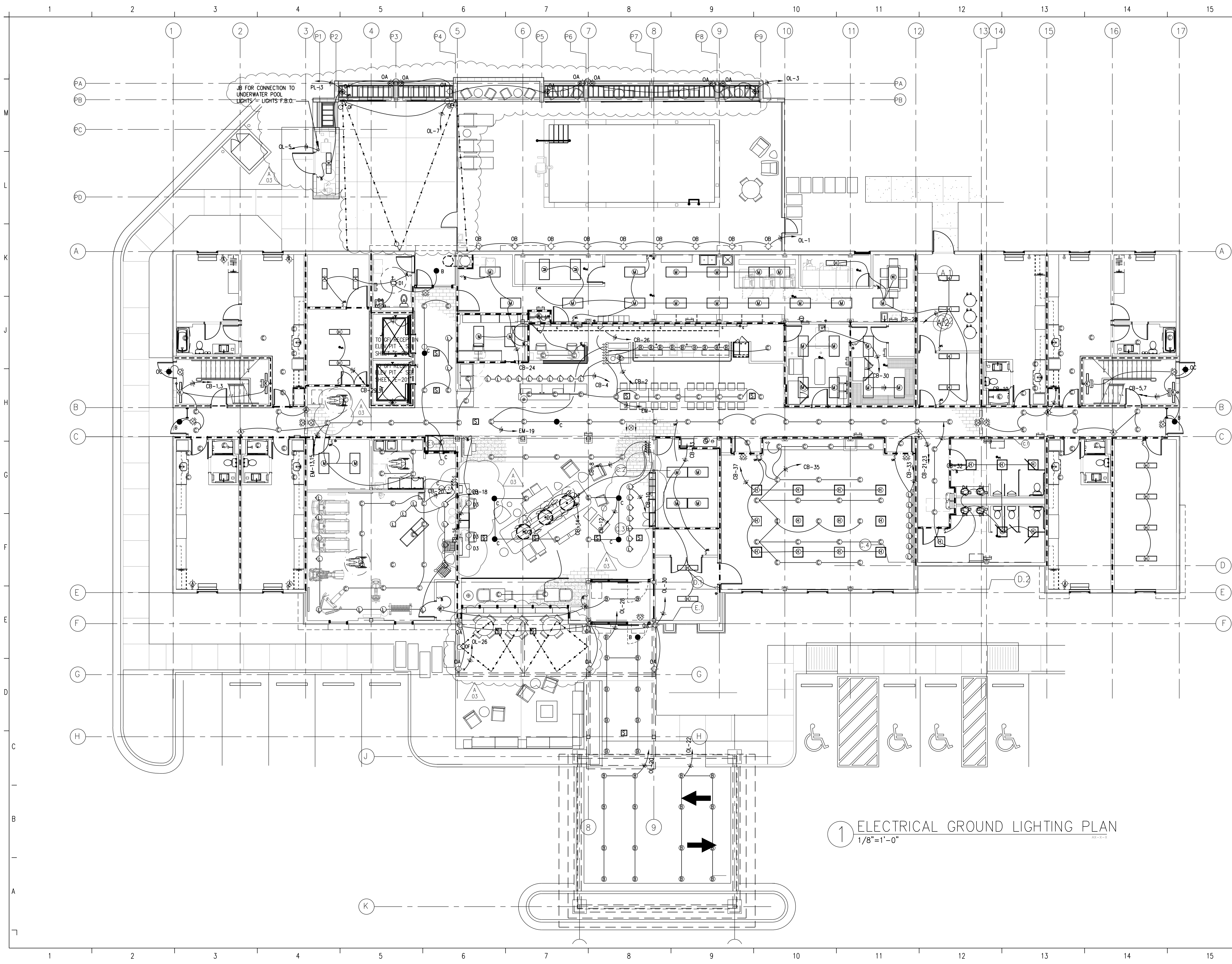
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SHEET NUMBER:

DATE:
06/08/16

E201



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PROJECT NAME:

HOME2
SUITES BY HILTON

Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
GROUND LIGHTING PLAN

PROJECT NO.

13010

LATEST REVISION:

6/8/16

DRAWN BY:

SA

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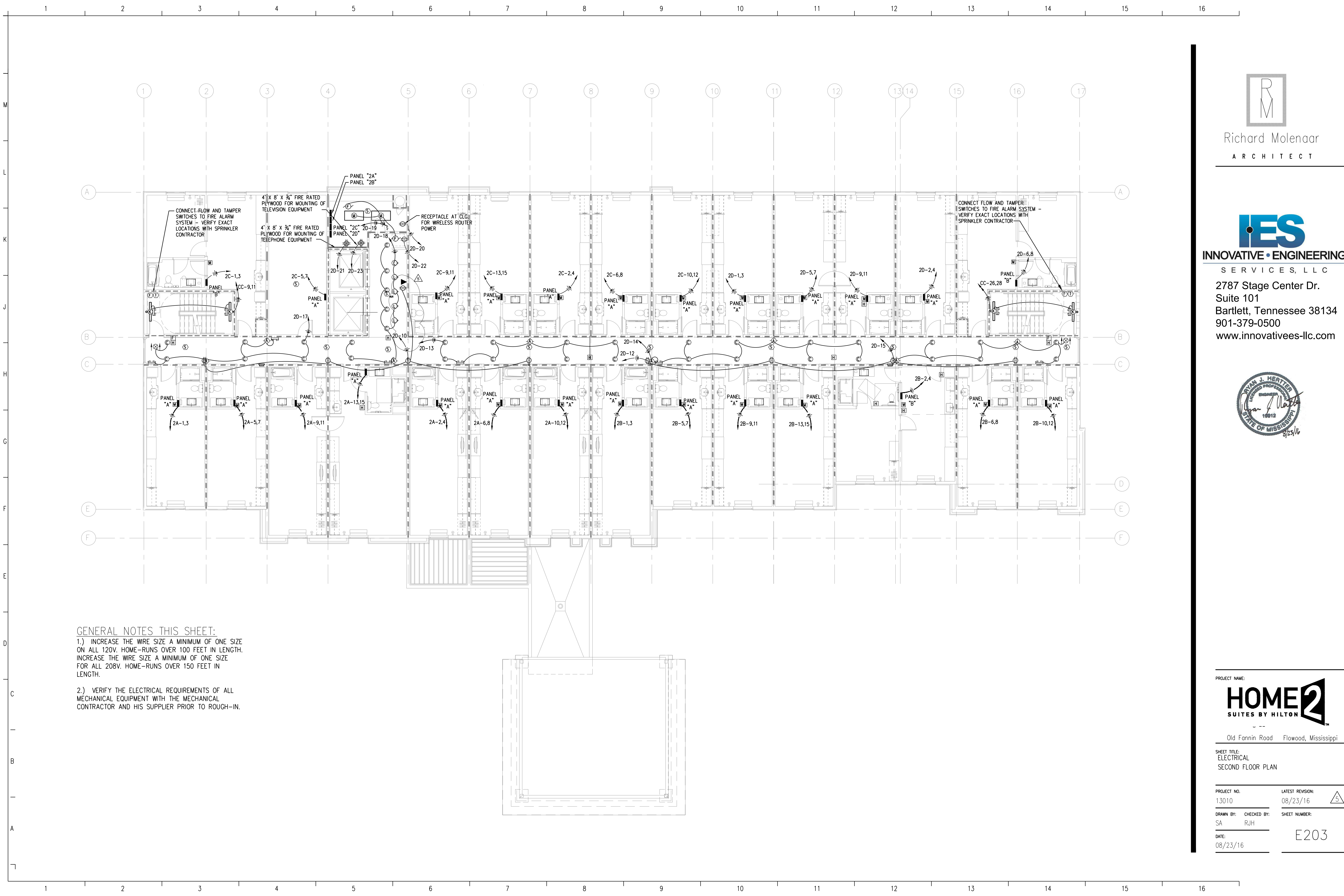
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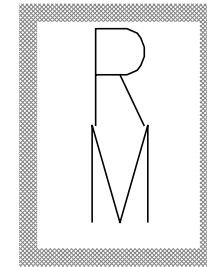
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DATE:

06/08/16



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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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
SECOND FLOOR PLAN

PROJECT NO.

13010

LATEST REVISION:

08/23/16



DRAWN BY:

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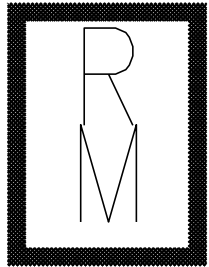
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08/23/16

E203

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

AX-3-X



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
THIRD FLOOR PALN

PROJECT NO.

13010

LATEST REVISION:

08/23/16



DRAWN BY:

PTH

CHECKED BY:

RJH

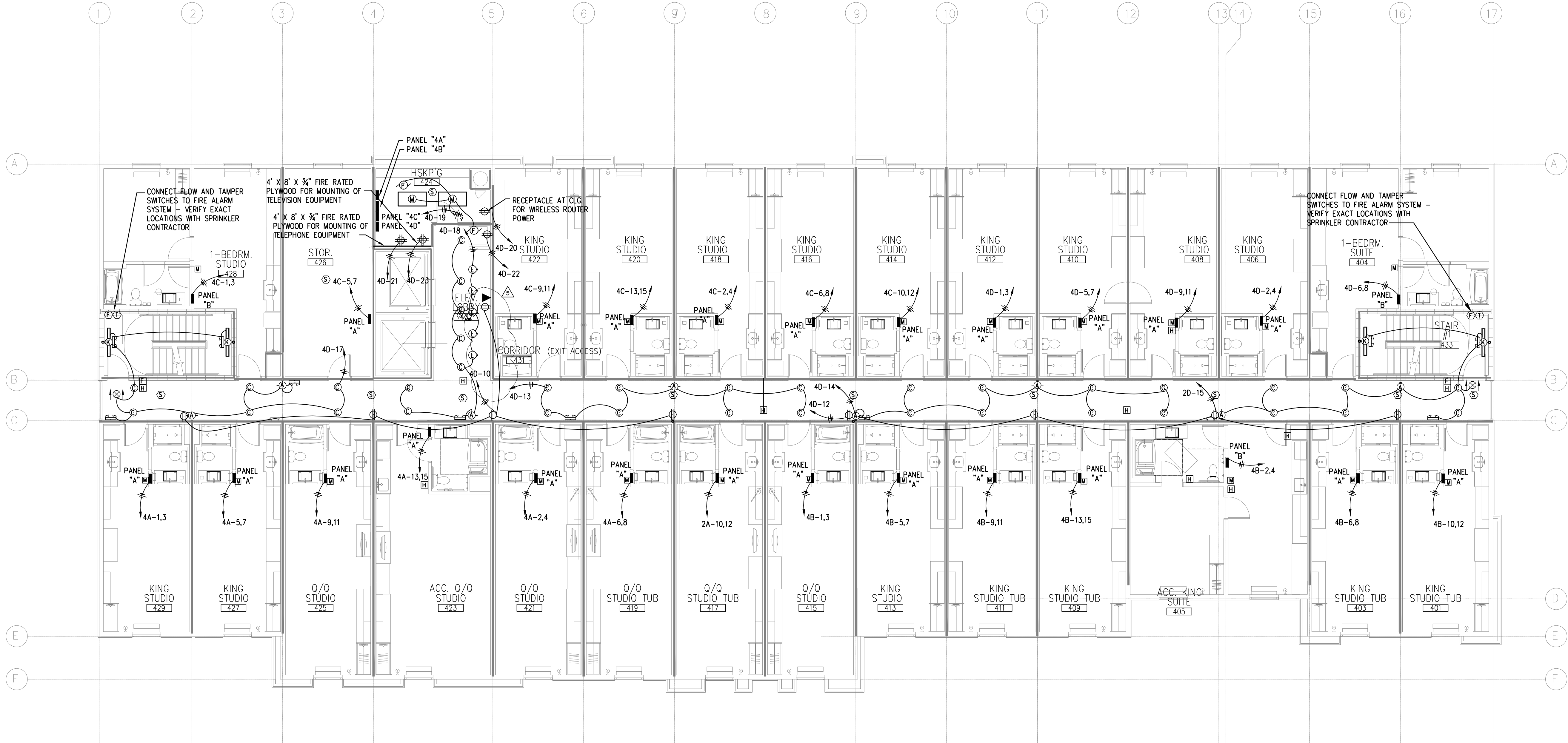
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08/23/16

E204

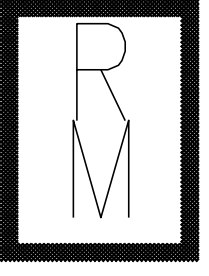
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



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.

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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



Richard Molenaar
ARCHITECT



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
FOURTH FLOOR PLAN

PROJECT NO.
13010

LATEST REVISION:
08/23/16

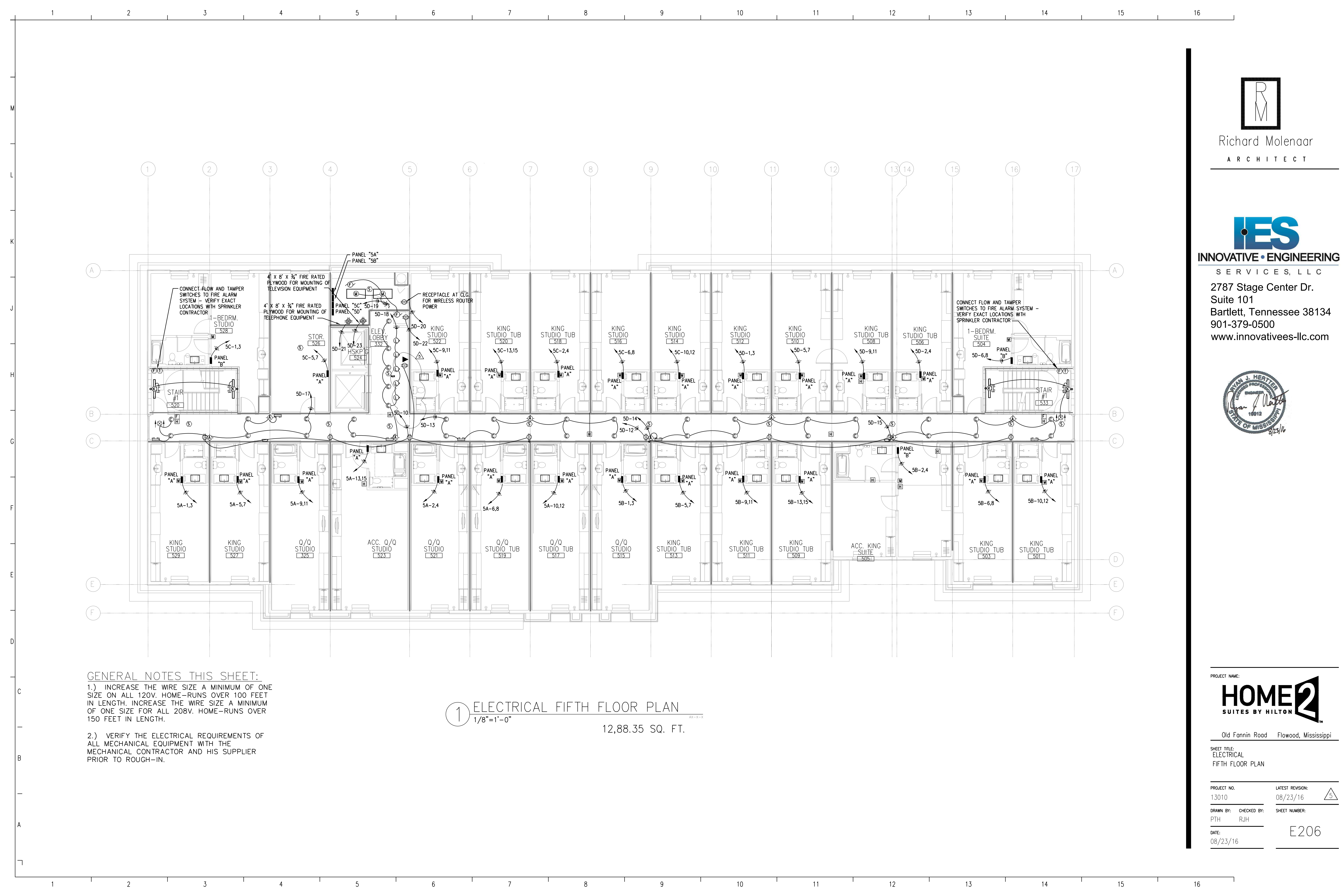
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SHEET NUMBER:

DATE:
08/23/16

E205



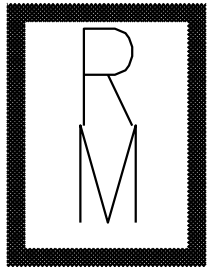
GENERAL NOTES THIS SHEET:

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.

1 ELECTRICAL FIFTH FLOOR PLAN
1/8"=1'-0" AX-X-X

12,88.35 SQ. FT.



Richard Molenaar
ARCHITECT



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
FIFTH FLOOR PLAN

PROJECT NO.

13010

LATEST REVISION:

08/23/16

5

DRAWN BY:

PTH

CHECKED BY:

RJH

SHEET NUMBER:

DATE:

08/23/16

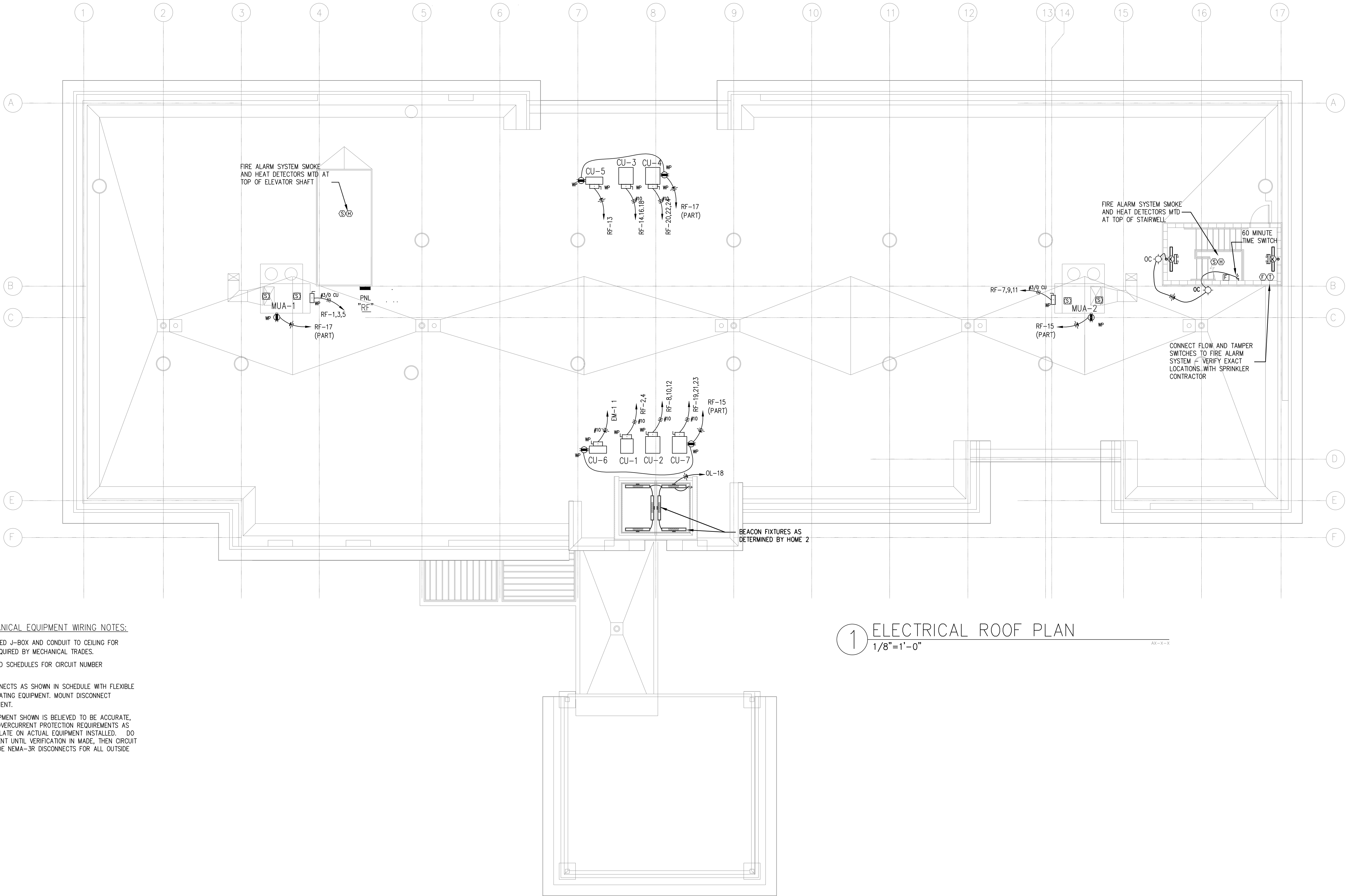
E206

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,DOWNLEADS TO GROUND,

APPROPRIATE GROUND TERMINALS, INTERCONNECTING CONDUCTORS, GROUNDED BUILDING SYSTEMS THAT WILL VCOMPLY 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.

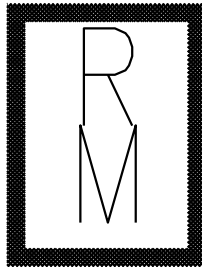
ANY COMPONENTS OR METHODS FOUND NOT IN COMPLIANCE WITH THIS SPECIFICATION SHALL BE REPAIRED OR REPLACED AT THE SATISFACTION OF THE OWNER'S REPRESENTATIVE BEFORE SUBMITTAL OF THE L.P.I. INSPECTION REPORT AND DELIVERY OF THE L.P.I. CERTIFIED SYSTEM LABEL.



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



Richard Molenaar
ARCHITECT



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SERVICES, LLC

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Suite 101
Bartlett, Tennessee 38134
901-379-0500
www.innovativees-llc.com



PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
ROOF PLAN

PROJECT NO.
13010

LATEST REVISION:



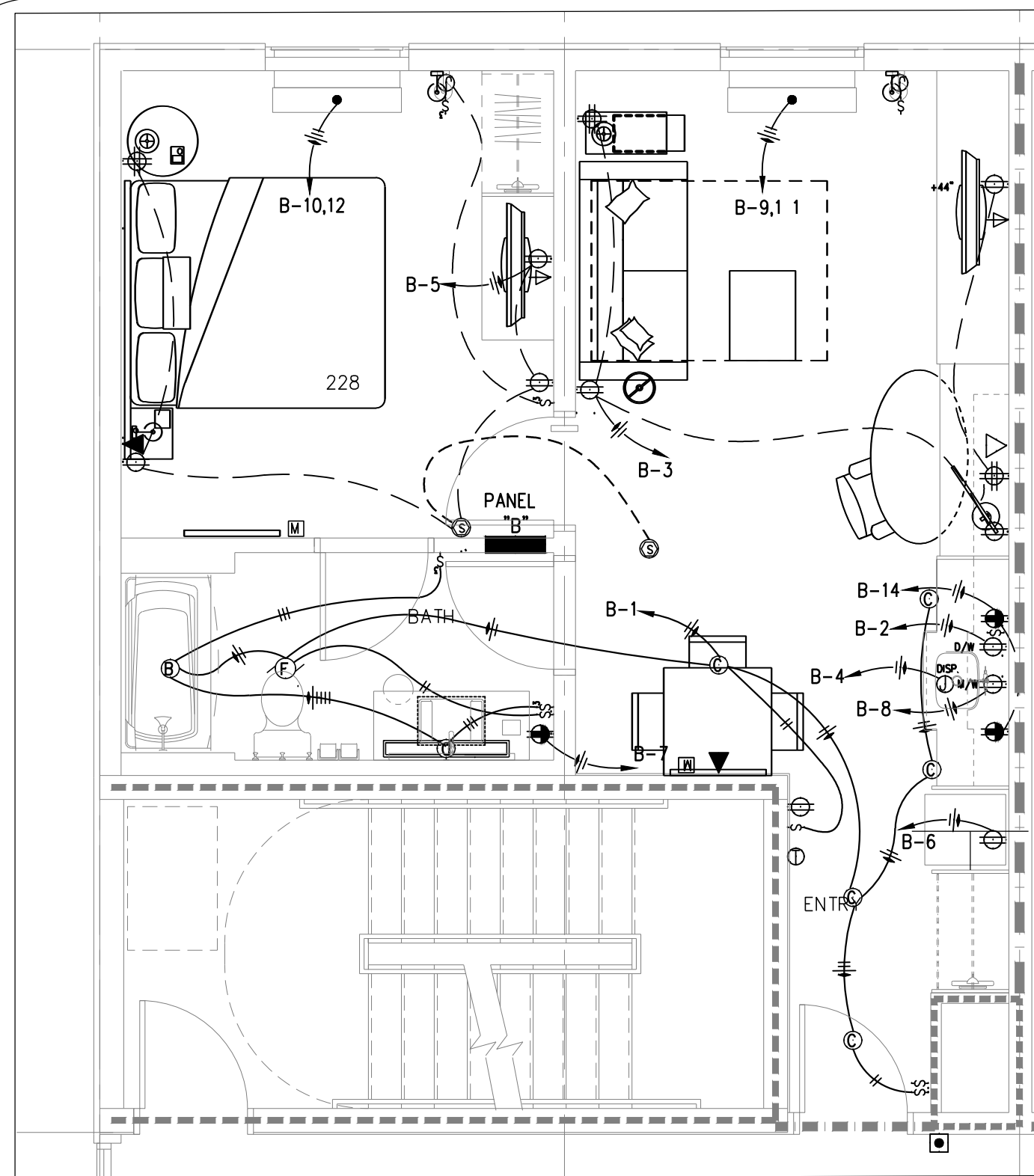
DRAWN BY:
PTH

CHECKED BY:
RJH

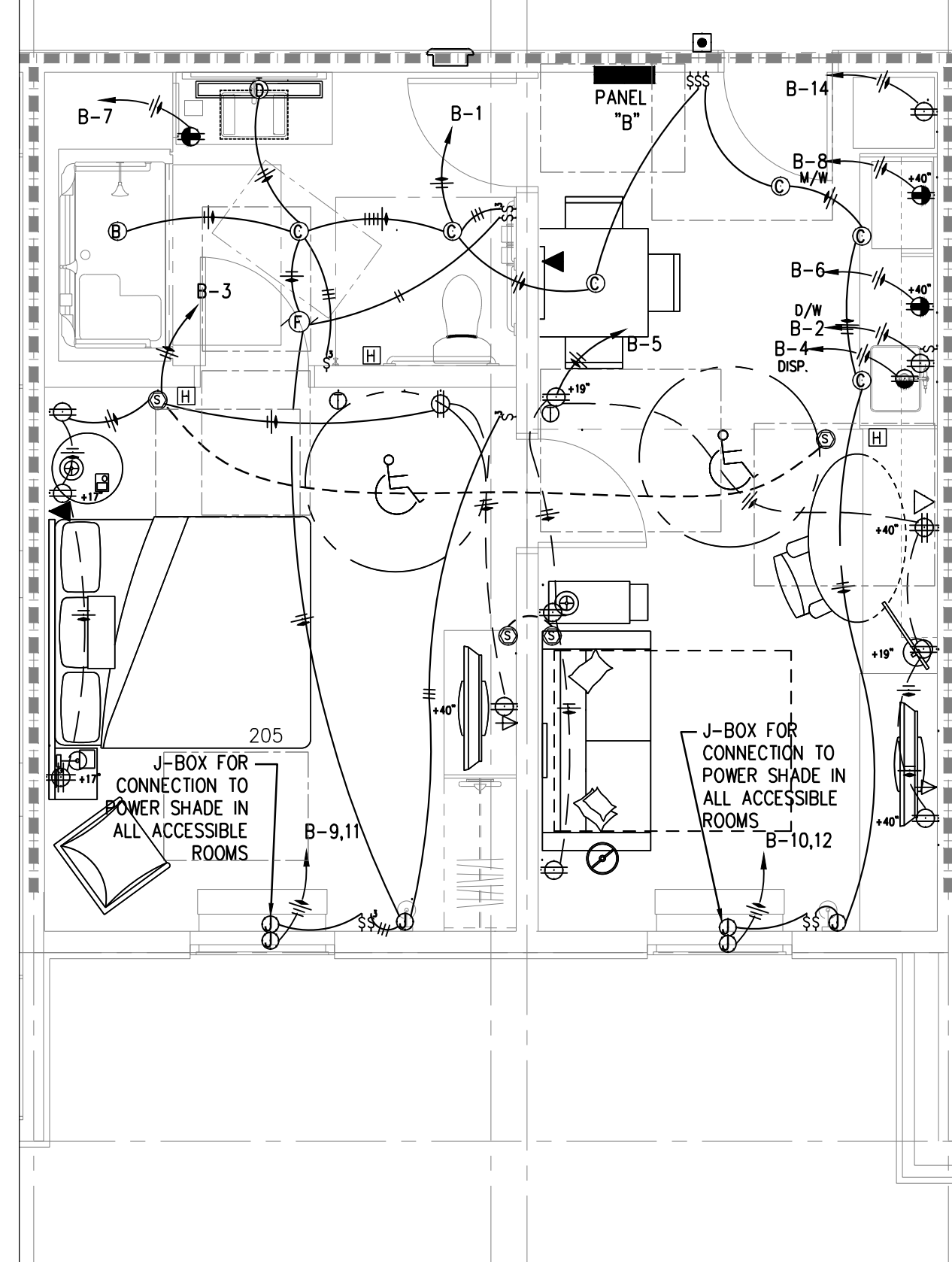
SHEET NUMBER:

DATE:
06/08/16

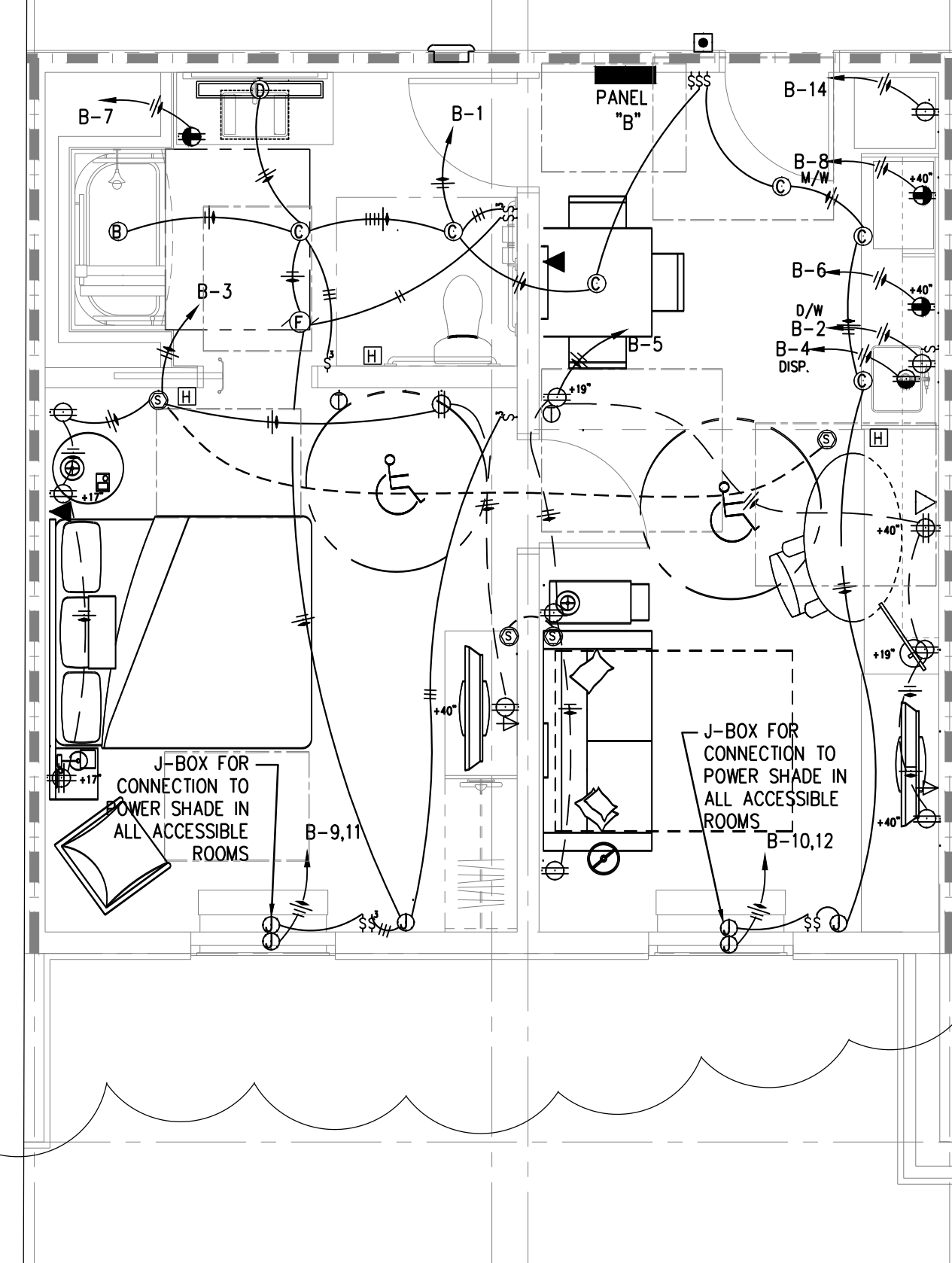
E207



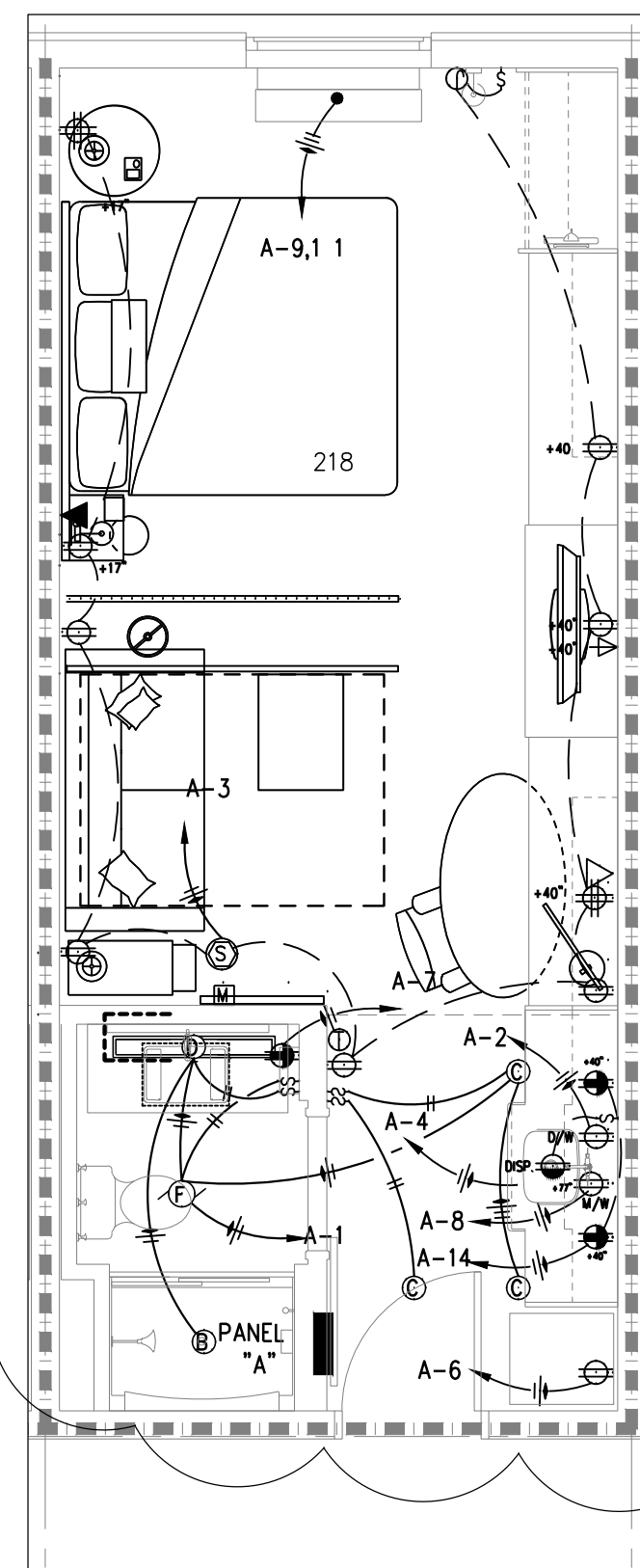
1 KING-1 BEDRM. 537 SQ. FT.
1/4"=1'-0"



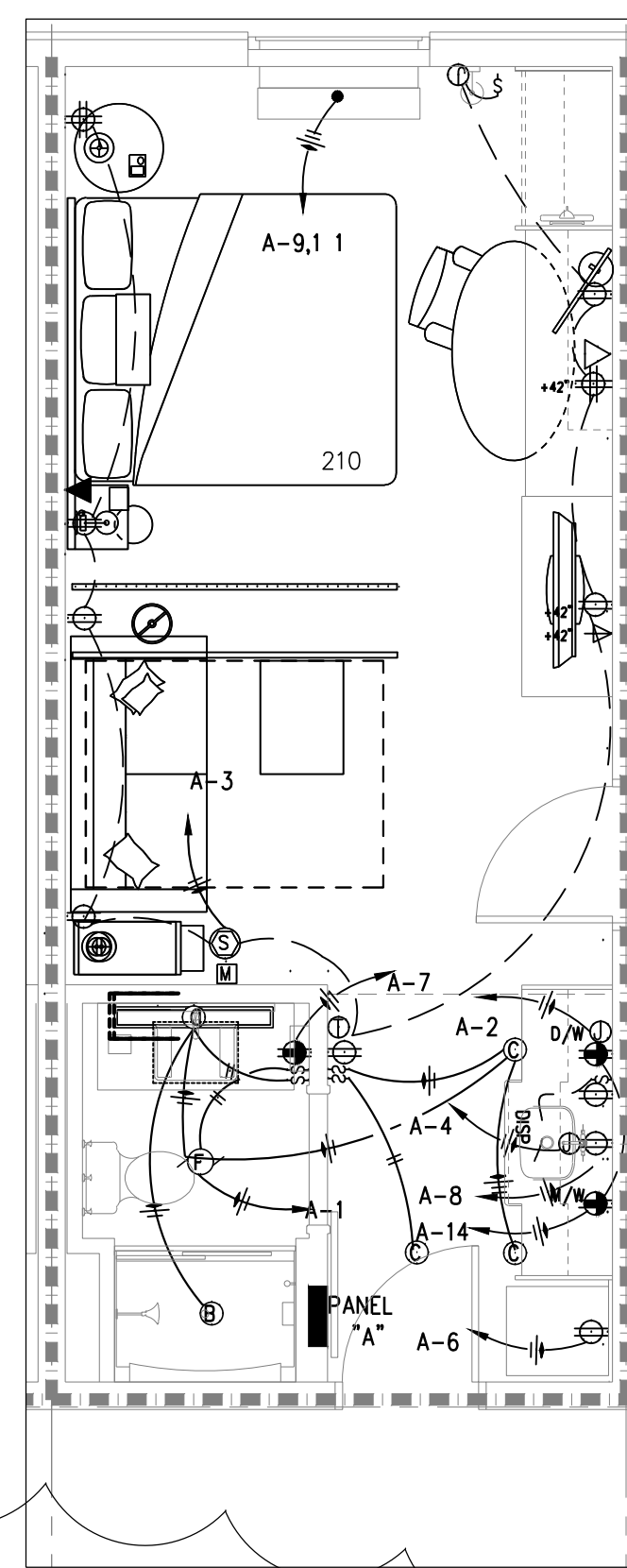
3 ACCESS. KING SUITE SHOWER
1/4"=1'-0"



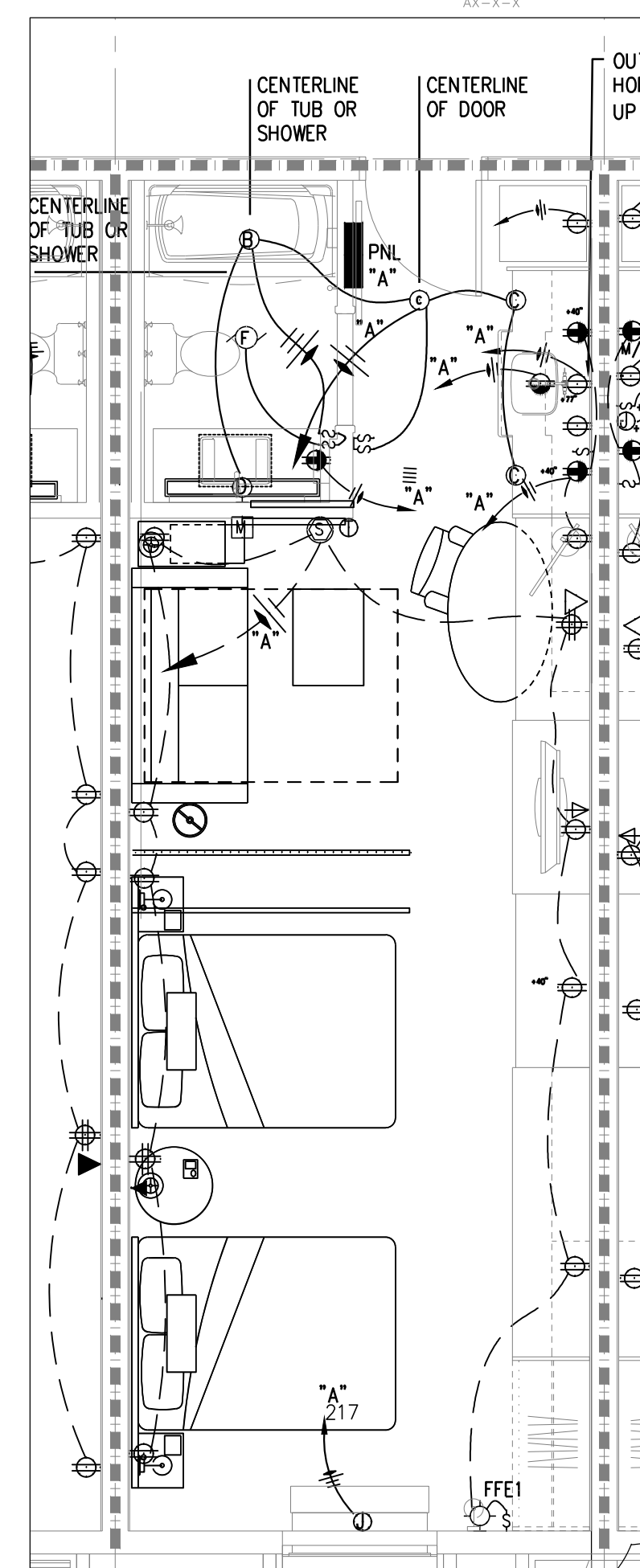
5 ACCESS. KING SUITE TUB
1/4"=1'-0"



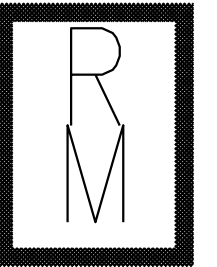
2 KING STUDIO 347 SQ. FT.
1/4"=1'-0"



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



6 Q/Q STUDIO
1/4"=1'-0"



Richard Molenaar
ARCHITECT

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PROJECT NAME:

HOME
SUITES BY HILTON

Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
KING ROOM ENLARGED

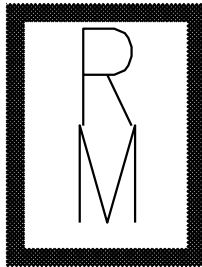
PROJECT NO.
13012

LATEST REVISION:
09/02/16

DRAWN BY: RJH
CHECKED BY: RJH

SHEET NUMBER:
E301

DATE:
08/23/16



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
QUEEN_ROOM_ENLARGED

PROJECT NO.

13010

LATEST REVISION:

09/02/16

DRAWN BY:

RJH

CHECKED BY:

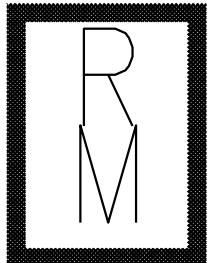
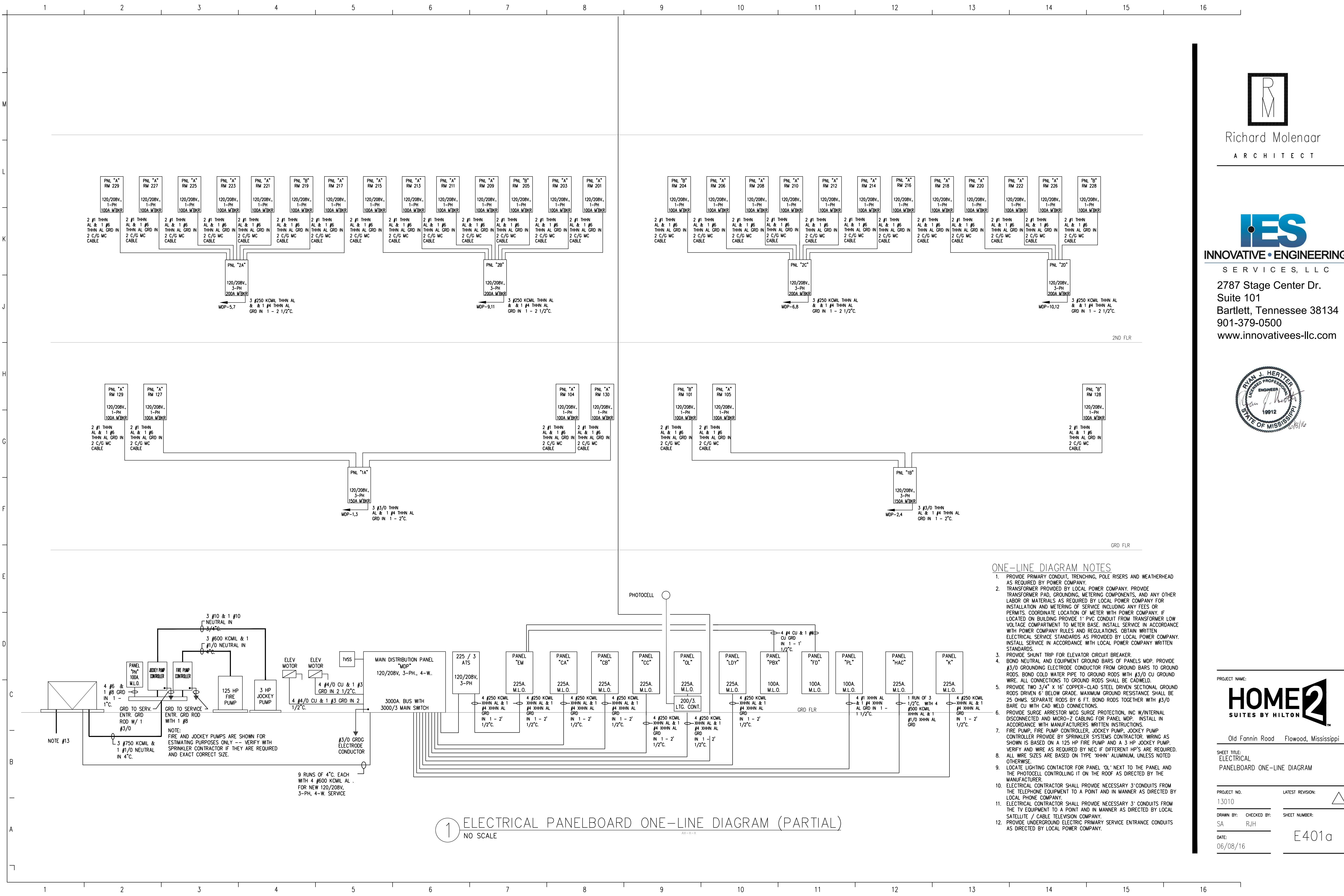
RJH

SHEET NUMBER:

DATE:

08/23/16

E302



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
PANELBOARD ONE-LINE DIAGRAM

PROJECT NO.

13010

LATEST REVISION:



DRAWN BY:

SA

CHECKED BY:

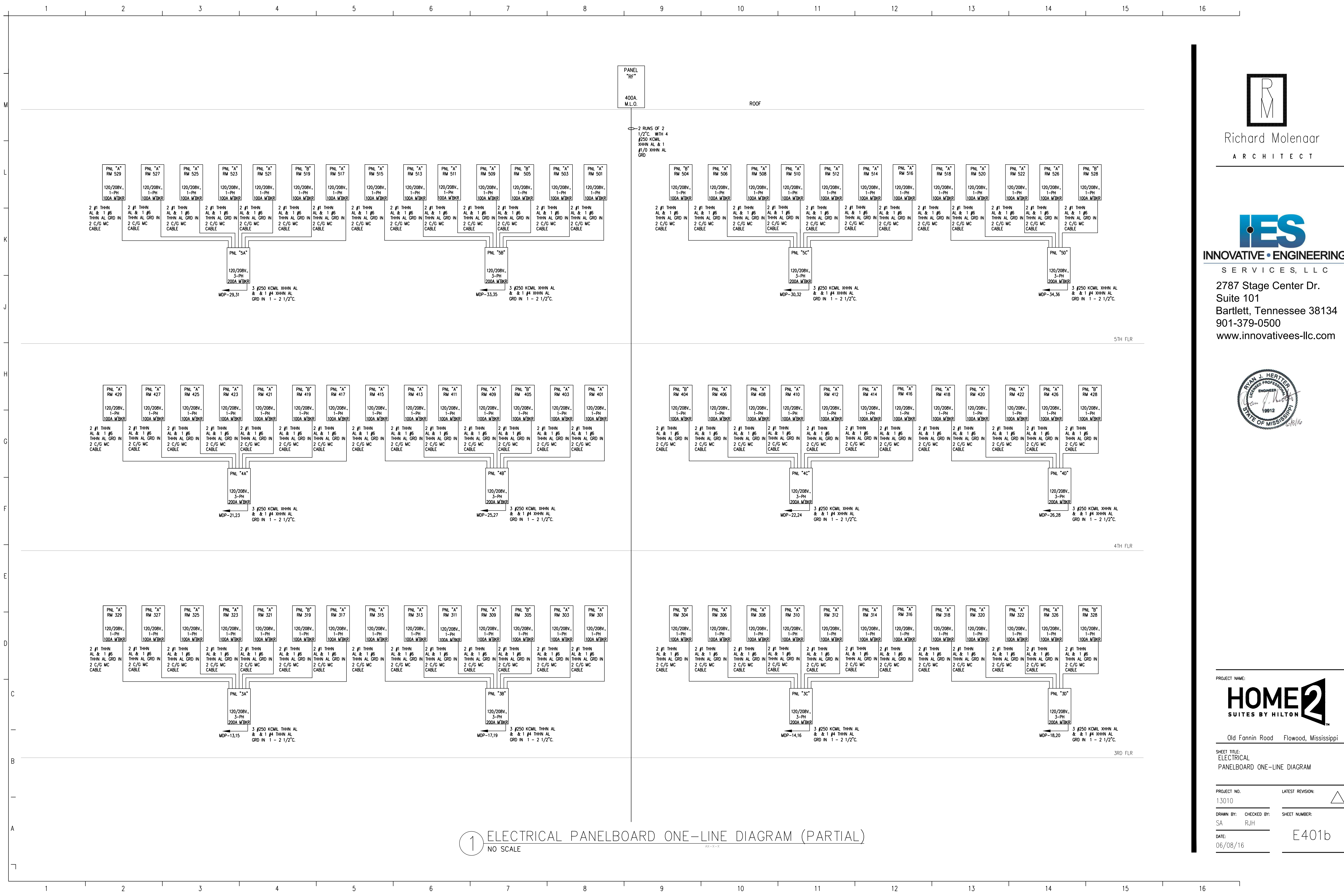
RJH

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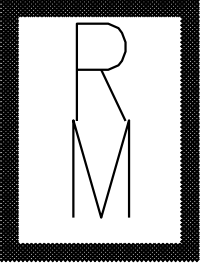
DATE:

06/08/16

E401a



1 ELECTRICAL PANELBOARD ONE-LINE DIAGRAM (PARTIAL)
NO SCALE



Richard Molenaar
ARCHITECT



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Bartlett, Tennessee 38134
901-379-0500
www.innovativees-llc.com



PROJECT NAME:
HOME2
SUITES BY HILTON
Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
PANELBOARD ONE-LINE DIAGRAM

PROJECT NO. 13010
DRAWN BY: SA
CHECKED BY: RJH
DATE: 06/08/16
LATEST REVISION:
SHEET NUMBER: E401b

ELECTRICAL PANELBOARD SCHEDULES

[illegible]

PROJECT NAME: HOME 2 - FLOWOOD, MI				AC WATTAGE: 16,000					
PANEL NAME: "CB"		PANEL NAME: M.I.D.		PANEL MFG: BLR					
PANEL VOLTAGE: 120/240V, 3-WIRE, 4-THD				ELECTRICAL EQUIPMENT ROOM					
QTY	NO.	DESCRIPTION	WIRING	PHASE	LOCATION	WIRING	DESCRIPTION	QTY	NO.
		GROUND CABLE							
	1	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	1	LIGHTING CIRCUIT	1
	2	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	2	LIGHTING CIRCUIT	2
	3	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	3	PHASE	3
	4	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	4	LIGHTING CIRCUIT	4
	5	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	5	LIGHTING CIRCUIT	5
	6	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	6	LIGHTING CIRCUIT	6
	7	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	7	LIGHTING CIRCUIT	7
	8	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	8	LIGHTING CIRCUIT	8
	9	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	9	PHASE	9
	10	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	10	LIGHTING CIRCUIT	10
	11	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	11	LIGHTING CIRCUIT	11
	12	LIGHTING CIRCUIT	200V	100V 120V	100V	200V	12	PHASE	12
	13	PHASE	200V	100V 120V	100V	200V	13	PHASE	13
	14	PHASE	200V	100V 120V	100V	200V	14	PHASE	14
	15	PHASE	200V	100V 120V	100V	200V	15	PHASE	15
	16	PHASE	200V	100V 120V	100V	200V	16	PHASE	16
	17	PHASE	200V	100V 120V	100V	200V	17	PHASE	17
	18	PHASE	200V	100V 120V	100V	200V	18	PHASE	18
	19	PHASE	200V	100V 120V	100V	200V	19	PHASE	19
	20	PHASE	200V	100V 120V	100V	200V	20	PHASE	20
	21	PHASE	200V	100V 120V	100V	200V	21	PHASE	21
	22	PHASE	200V	100V 120V	100V	200V	22	PHASE	22
	23	PHASE	200V	100V 120V	100V	200V	23	PHASE	23
	24	PHASE	200V	100V 120V	100V	200V	24	PHASE	24
	25	PHASE	200V	100V 120V	100V	200V	25	PHASE	25
	26	PHASE	200V	100V 120V	100V	200V	26	PHASE	26
	27	PHASE	200V	100V 120V	100V	200V	27	PHASE	27
	28	PHASE	200V	100V 120V	100V	200V	28	PHASE	28
	29	PHASE	200V	100V 120V	100V	200V	29	PHASE	29
	30	PHASE	200V	100V 120V	100V	200V	30	PHASE	30
	31	PHASE	200V	100V 120V	100V	200V	31	PHASE	31
	32	PHASE	200V	100V 120V	100V	200V	32	PHASE	32
	33	PHASE	200V	100V 120V	100V	200V	33	PHASE	33
	34	PHASE	200V	100V 120V	100V	200V	34	PHASE	34
	35	PHASE	200V	100V 120V	100V	200V	35	PHASE	35
	36	PHASE	200V	100V 120V	100V	200V	36	PHASE	36
	37	PHASE	200V	100V 120V	100V	200V	37	PHASE	37
	38	PHASE	200V	100V 120V	100V	200V	38	PHASE	38
	39	PHASE	200V	100V 120V	1				

[illegible]

PROJECT NAME: HORSE 2 - FLOWDOWN, MI						AC NUMBER: 16.000					
PANEL NAME: "EM"				PANEL VOLT: W.D.		PANEL VETS: SURFACE					
PANEL VOLTAGE: 12000V, 2-W, 4-W				PANEL BUS: 255A		LOCATION: ELECTRICAL EQUIPMENT ROOM					
QTY	NO	CHGCT DESCRIPTION	BUS	255A	LOAD PER PHASE A PHASE	PHASE	WIRE	SERIAL	CHGCT DESCRIPTION	QTY	NO
1	RECEPTACLE CIRCUIT	251	1200	1200			251	RECEPTACLE CIRCUIT	2	1	
1	RECEPTACLE CIRCUIT	251	1200	1200			251	SHARE	4	2	
1	RECEPTACLE CIRCUIT	251			1200	1200	251	SHARE	4	3	
1	KITCHEN EQUIPMENT	251	1200	1200			251	SHARE	6	4	
1	KITCHEN EQUIPMENT	251	1200	1200	1200	1200	251	SHARE	6	5	
1	CUL	251			1200	1200	251	SHARE	12	6	
1	LIGHTING CIRCUIT	251	1200	1200			251	SHARE	14	7	
1	LIGHTING CIRCUIT	251			1200	1200	251	SHARE	16	8	
1	LIGHTING CIRCUIT	251			1200	1200	251	SHARE	16	9	
1	LIGHTING CIRCUIT	251	1200	1200			251	SHARE	20	10	
1	LIGHTING CIRCUIT	251			1200	1200	251	SHARE	22	11	
2	SHRVE	251			6000	6000	251	SHARE	24	12	
2			6000	6000					24	13	
2					6000	6000			24	14	
2	PANEL "GT"	1000			6000	6000	1000	PANEL "GT"	24	15	
PHASE MATR TOTALS				21,450	21,450	23,300					
TOTAL WATT LOAD (A) 12000V, 2-W				25,500	25,500	TOTAL WATT LOAD (B) 12000V, 2-W					
TOTAL WATT LOAD (C) 12000V, 4-W				25,500	25,500	TOTAL AMP LOAD (A) 1000V, 2-W					

PROJECT NAME: HOME 2 - FLOODNO. 31		FAC. BATTED: 16.900	
PROJECT NAME: "GAC"		FAC. VETS: SURFACE	
FAC. VOLTAGE: 240V, 3-4W, 4W		FAC. VETS: SURFACE	
QTY NO	QTY	QTY	QTY
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
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14	14	14	14
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90	90	90	90
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92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

PROJECT NAME: HOME 2 - FLOODW.D.				AC RATING: 15.00				
PANEL NAME: "LBY"		PANEL NAME: W.D.		PANEL LOTS	SURFACE			
PANEL LOCATION: 25000-34N-14E		PANEL AREA: 252A		LOCATION: LANDWY/HOESBERRY 15E				
CH	TH	DRIFT DESCRIPTION	600	1000	1500	DRIFT DESCRIPTION	CH	TH
			A PHASE	B PHASE	C PHASE			
1	1		303	1000	1500	303	1	1
2	2	ORDER	303	1000	1500	303	2	2
3	3						3	3
4	4						4	4
5	5						5	5
6	6	ORDER	303	1000	1500	303	6	6
7	7						7	7
8	8						8	8
9	9						9	9
10	10						10	10
11	11						11	11
12	12	ORDER	303	1000	1500	303	12	12
13	13						13	13
14	14						14	14
15	15						15	15
16	16						16	16
17	17						17	17
18	18	RECEIPIABLE CROFT	303	1000	1200	201	18	18
19	19	RECEIPIABLE CROFT	303	1000	1200	201	19	19
20	20	RECEIPIABLE CROFT	303	1000	1200	201	20	20
21	21	RECEIPIABLE CROFT	303	1000	1200	201	21	21
22	22	RECEIPIABLE CROFT	303	1000	1200	201	22	22
23	23	RECEIPIABLE CROFT	303	1000	1200	201	23	23
24	24	RECEIPIABLE CROFT	303	1000	1200	201	24	24
25	25	RECEIPIABLE CROFT	303	1000	1200	201	25	25
26	26	RECEIPIABLE CROFT	303	1000	1200	201	26	26
27	27	RECEIPIABLE CROFT	303	1000	1200	201	27	27
28	28	RECEIPIABLE CROFT	303	1000	1200	201	28	28
29	29	RECEIPIABLE CROFT	303	1000	1200	201	29	29
30	30	RECEIPIABLE CROFT	303	1000	1200	201	30	30
31	31	RECEIPIABLE CROFT	303	1000	1200	201	31	31
32	32	RECEIPIABLE CROFT	303	1000	1200	201	32	32
33	33	RECEIPIABLE CROFT	303	1000	1200	201	33	33
34	34	RECEIPIABLE CROFT	303	1000	1200	201	34	34
35	35	RECEIPIABLE CROFT	303	1000	1200	201	35	35
36	36	RECEIPIABLE CROFT	303	1000	1200	201	36	36
37	37	RECEIPIABLE CROFT	303	1000	1200	201	37	37
38	38	RECEIPIABLE CROFT	303	1000	1200	201	38	38
39	39	RECEIPIABLE CROFT	303	1000	1200	201	39	39
40	40	RECEIPIABLE CROFT	303	1000	1200	201	40	40
41	41	RECEIPIABLE CROFT	303	1000	1200	201	41	41
42	42	RECEIPIABLE CROFT	303	1000	1200	201	42	42
PANEL WATTS TOTALS			15,000	15,000	15,000	PANEL WATTS TOTALS		
TOTAL WATTS LOAD ON PANEL			8,500	8,500	11,117	TOTAL WATTS LOAD ON PANEL		
TOTAL AMP LOAD @ 120V/240V, 3PH			39.58	39.58	50.91	TOTAL AMP LOAD @ 120V/240V, 3PH		

[illegible][illegible][illegible]

PROJECT NAME		HOME 2 - FLOODWIDE, MI		AC/UTG		10/06	
PANEL NAME: "TL"		PANEL NAME: "WLD"		PANEL NAME: "SURF"		PANEL NAME: "SURF"	
PANEL VOLTAGE: 208V, 3PH, 4W		PANEL SERIAL: 306A		PANEL LOCATION		PANEL EQUIPMENT ROOM	
CHG NO	CHRG DESCRIPTION	WIR SIZE	AMPAGE	LOAD PER PHASE	WIR SIZE	AMPAGE	CHRG DESCRIPTION
1	NOTHING HOT WATER HEATER	1"	570	1000	2"	200	POL. PUMP
2							
3		2-4"	620	1000	1000	1000	POL. EQUI REFRIGERATES
4		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
5		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
6		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
7		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
8		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
9		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
10		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
11		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
12		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
13		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
14		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
15		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
16		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
17		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
18		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
19		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
20		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
21		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
22		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
23		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
24		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
25		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
26		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
27		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
28		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
29		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
30		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
31		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
32		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
33		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
34		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
35		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
36		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
37		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
38		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
39		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
40		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
41		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
42		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
43		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
44		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
45		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
46		3"	580	1000	1000	1000	POL. EQUI REFRIGERATES
47		3"	580	1000	2-1"	200	POL. EQUI REFRIGERATES
48		3"	580	1000	1000	1000	P

PROJECT NAME: HOME 2 - FLOOWOOD, MI				AC RATING: 10.00			
PANEL NAME: "R1" NEMA-R		PANEL WAYS: N.E.O.	PANEL WAYS: SURFACE - NEMA-R				
PANEL VOLTAGE: 120/208V, 3PH, 4-W.		PANEL BUS: 400A.	LOCATION:		BIOS: 300		
QTY NO.	CIRCUIT DESCRIPTION	BIOS TYPE	AMPAGE	LOAD PER PHASE AMPAGE	BIOS TYPE	CIRCUIT DESCRIPTION	QTY NO.
1		1183	1080	120			1
1			1080	120			1
1	180A	1183	1080	120	1080	120	20A
1			1080	120	1080	120	20A
1	180A	1183	1080	120	1080	120	20A
1			1080	120	1080	120	20A
13	QAS	151	180	100			1
13	ROOF RECEPTACLES	147	180	100	180	100	20A
17	ROOF RECEPTACLES	201	180	100	180	100	20A
21	QAT	203	120	120	120	120	30A
21			120	120	120	120	30A
25	SPARE	201	120	120	120	120	30A
27	SPARE	201	120	120	120	120	30A
28	SPARE	201	120	120	120	120	30A
PHASE WATTS TOTAL			5475	5630	5475	PHASE WATTS TOTALS	
TOTAL WATTS LOAD OF PANEL			5630	5630	TOTAL WATTS LOAD OF PANEL		
TOTAL AMP LOAD @ 120/208V, 3PH			26.06		TOTAL AMP LOAD @ 120/208V, 3PH		

PROJECT NAME: HOME 2 - FLOOWOOD, MI				AC/FATHOR: 100/500	
PANEL NAME: "W00"		PANEL YEAR: 2000		SURFACE	
PANEL VOLTAGE: 120/208V, 3PH, 4W.		PANEL BUILD: 0000A		LOCATION: ELECTRICAL EQUIPMENT ROOM	
QTY NO.	CIRCUIT DESCRIPTION	BKLT NO.	LOAD PER PHASE		
			PHASE	PHASE	PHASE
1	PANEL 1A	2000	17,802	17,802	
2				18,317	18,317
3					18,317
4				17,802	17,802
5					18,317
6	PANEL 1A	2000		18,317	18,317
7				17,802	17,802
8					18,317
9				17,802	17,802
10					18,317
11	PANEL 1B	2000	17,802	18,064	
12				18,317	13,896
13					18,317
14				17,802	17,802
15					18,317
16	PANEL 1A	2000		18,317	18,317
17				17,802	17,802
18					18,317
19				17,802	17,802
20					18,317
21	PANEL 1B	2000	17,802	18,064	
22				18,317	13,896
23					18,317
24				17,802	17,802
25					18,317
26	PANEL 1B	2000	17,802	18,064	
27				18,317	13,896
28					18,317
29				17,802	17,802
30					18,317
31	PANEL 1A	2000		18,317	18,317
32				17,802	17,802
33					18,317
34				17,802	17,802
35					18,317
36	PANEL 1A	2000	17,802	17,802	
37				18,317	18,317
38					18,317
39				17,802	17,802
40					18,317
41	PANEL 1A	2000		18,317	18,317
42				17,802	17,802
43					18,317
44				17,802	17,802
45					18,317
46	PANEL 1A	2000	17,802	17,802	
47				18,317	18,317
48					18,317
49				17,802	17,802
50					18,317
51	PANEL 1A	2000		18,317	18,317
52				17,802	17,802
53					18,317
54				17,802	17,802
55					18,317
56	PANEL 1A	2000	17,802	17,802	
57				18,317	18,317
58					18,317
59				17,802	17,802
60					18,317
61	PANEL 1A	2000		18,317	18,317
62				17,802	17,802
63					18,317
64				17,802	17,802
65					18,317
66	PANEL 1A	2000	17,802	17,802	
67				18,317	18,317
68					18,317
69				17,802	17,802
70					18,317
71	PANEL 1A	2000		18,317	18,317
72				17,802	17,802
73					18,317
74				17,802	17,802
75					18,317
76	PANEL 1A	2000	17,802	17,802	
77				18,317	18,317
78					18,317
79				17,802	17,802
80					18,317
81	PANEL 1A	2000		18,317	18,317
82				17,802	17,802
83					18,317
84				17,802	17,802
85					18,317
86	PANEL 1A	2000	17,802	17,802	
87				18,317	18,317
88					18,317
89				17,802	17,802
90					18,317
91	PANEL 1A	2000		18,317	18,317
92				17,802	17,802
93					18,317
94				17,802	17,802
95					18,317
96	PANEL 1A	2000	17,802	17,802	
97				18,317	18,317
98					18,317
99				17,802	17,802
100					18,317

[illegible]

NOTES:

- 1.) VERIFY THE SIZE OF ELEVATOR PURCHASED. IF THERE IS ANY SIGNIFICANT DIFFERENCE, INFORM THE ARCHITECT.
- 2.) CIRCUIT BREAKERS FEEDING ELEVATOR MOTORS SHALL BE SHUNT-TRIP BREAKERS.
- 3.) MAIN DISTRIBUTION PANEL "MDP" AND ALL BREAKERS SHALL BE BRACED AND RATED FOR 100,000 KNC.
- 4.) SEE ELECTRICAL SCHEDULES FOR

[illegible]

PROJECT NAME: HONE 2 - FLOODWOOD WI										
PANEL NAME: "A"		PANEL NAME: "B"				PANEL NAME: "C"				
PANEL VOL: 120V		PANEL VOL: 120V				PANEL VOL: 120V				
NO.	DESCRIPTION	WIRING	LOAD PER PHASE		WIRING	LOAD PER PHASE		WIRING	LOAD PER PHASE	
NO.	DESCRIPTION	WIRING	PHASE	AMPS	PHASE	PHASE	AMPS	PHASE	PHASE	AMPS
1	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
2	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
3	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
4	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
5	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
6	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
7	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
8	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
9	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
10	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
11	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
12	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
13	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
14	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
15	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
16	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
17	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
18	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
19	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
20	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
21	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
22	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
23	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
24	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
25	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
26	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
27	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
28	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
29	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
30	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
31	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
32	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
33	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
34	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
35	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
36	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
37	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
38	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
39	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
40	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
41	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
42	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
43	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
44	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
45	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
46	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
47	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
48	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
49	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
50	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
51	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
52	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
53	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
54	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
55	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
56	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
57	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
58	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
59	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
60	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
61	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
62	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
63	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
64	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
65	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
66	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
67	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
68	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
69	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
70	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
71	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
72	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
73	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
74	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
75	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
76	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
77	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
78	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
79	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
80	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
81	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
82	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
83	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
84	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
85	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
86	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
87	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
88	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
89	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
90	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
91	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
92	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
93	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
94	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
95	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
96	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
97	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
98	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
99	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
100	BATH RECEPTACLE	20A	100	100	20A	100	100	20A	100	100
TOTAL WATT LOAD PER PHASE			7440		TOTAL WATT LOAD PER PHASE		7440		TOTAL WATT LOAD PER PHASE	
TOTAL MAX AMP LOAD PER PHASE			14.88		TOTAL MAX AMP LOAD PER PHASE		14.88		TOTAL MAX AMP LOAD PER PHASE	
TOTAL MAX AMP LOAD PER PHASE			14.88		TOTAL MAX AMP LOAD PER PHASE		14.88		TOTAL MAX AMP LOAD PER PHASE	

PROJECT NAME: HOME 2 - FLOWERS, W.D.				AC/ACTING: 18.000		
PANEL VOLTAGE: "120"		PANEL WIRE: N.E.D.		SURFACE		
PANEL VOLTAGE: 208Y/120V, 3PH, 4W.		PANEL BUS: 208A		LOCATION: HOUSEKEEPER (EACH FLOOR)		
QTY NO.	CIRCUIT DESCRIPTION	BUS BREAK	LOAD PER PHASE	PHASE	QTY NO.	CIRCUIT DESCRIPTION
1	PANEL A	1000	7.470 7.470	0.000 0.000	1002	PANEL A
2			0.000 0.000	0.000 0.000		
3	PANEL A	1002	0.000 0.000	7.470 7.470	1002	PANEL A
4			0.000 0.000	0.000 0.000		
5	PANEL A	1000	7.470 7.470	0.000 0.000	1002	PANEL A
6			0.000 0.000	0.000 0.000		
7	PANEL B	1002	0.000 0.000	0.000 0.000	1002	SPARE
8			0.000 0.000	0.000 0.000		
9	SPARE	201	1000 1000	1000 1000	201	SPARE
10	SPARE	201	1000 1000	1000 1000	201	SPARE
11	SPARE	201	1000 1000	1000 1000	201	SPARE
12	SPACE	-	-	-	-	SPACE
13	SPACE	-	-	-	-	SPACE
14	SPACE	-	-	-	-	SPACE
15	SPACE	-	-	-	-	SPACE
PHASE MATTERS TOTALS			01.140 00.000 01.760	PHASE MATTERS TOTALS		
TOTAL WATT LOAD ON SYSTEM			117.760	TOTAL WATT LOAD ON SYSTEM		
TOTAL CONDUCTOR AMP LOAD ON SYSTEM, 3PH			117.0	TOTAL CONDUCTOR AMP LOAD ON SYSTEM, 3PH		
TOTAL AMP LOAD & 84% DEMAND FACTOR PER NEC TABLE 310.15			127.7	TOTAL AMP LOAD & 84% DEMAND FACTOR PER NEC TABLE 310.15		

NOTES:

1.) PANEL IS TYPICAL OF ALL FOUR FLOORS; A, B, & C PANELS

[illegible]

1.) PANEL IS TYPICAL OF ALL FOUR FLOORS; D PANELS

HOME2 NOKOMIS, FLORIDA -- ELECTRICAL LOAD ANALYSIS		
GUEST ROOMS:		
LIGHTS AND RECEPTACLES		193,660 WATTS
KITCHEN CIRCUITS		318,000 WATTS
DISPOSAL CIRCUITS		84,800 WATTS
MICROWAVE CIRCUITS		159,000 WATTS
PTAC UNITS		420,000 WATTS
TOTAL LOAD =		1,175,460 WATTS
TOTAL DEMAND LOAD (23%) NEC 220-84 =		270,356 WATTS
COMMERCIAL ROOMS:		
EXTERIOR LIGHTING		49,700 WATTS
COMMERCIAL AREA LIGHTING		50,400 WATTS
COMMERCIAL AREA RECEPTACLES		65,650 WATTS
KITCHEN EQUIPMENT (65%)		34,380 WATTS
VENDING MACHINES		9,600 WATTS
HOUSE PUMPS		17,400 WATTS
JOCKEY PUMP		6,000 WATTS
ELEVATORS		141,120 WATTS
MAKE-UP AIR UNIT		64,080 WATTS
CONDENSING UNITS		28,420 WATTS
A/C UNITS		52,900 WATTS
CIRC. PUMPS AND CONTROLS		2,500 WATTS
COMMERCIAL WASHERS		13,500 WATTS
COMMERCIAL DRYERS		13,500 WATTS
COIN-OP WASHERS		3,000 WATTS
COIN-OP DRYERS		10,000 WATTS
POOL PUMP		6,000 WATTS
EXHAUST FANS		5,600 WATTS
TOTAL LOAD =		844,106 WATTS
TOTAL LOAD =		2,343 A. @ 208/3



Richard Molenaar
ARCHITECT



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PROJECT NAME:



HOME2
SUITES BY HILTON

Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
PANELBOARD SCHEDULES

PROJECT NO.	LATEST REVISION
13010	09/14/16

DRAWN BY: CHECKED BY: SHEET NUMBER:

PTH RJH

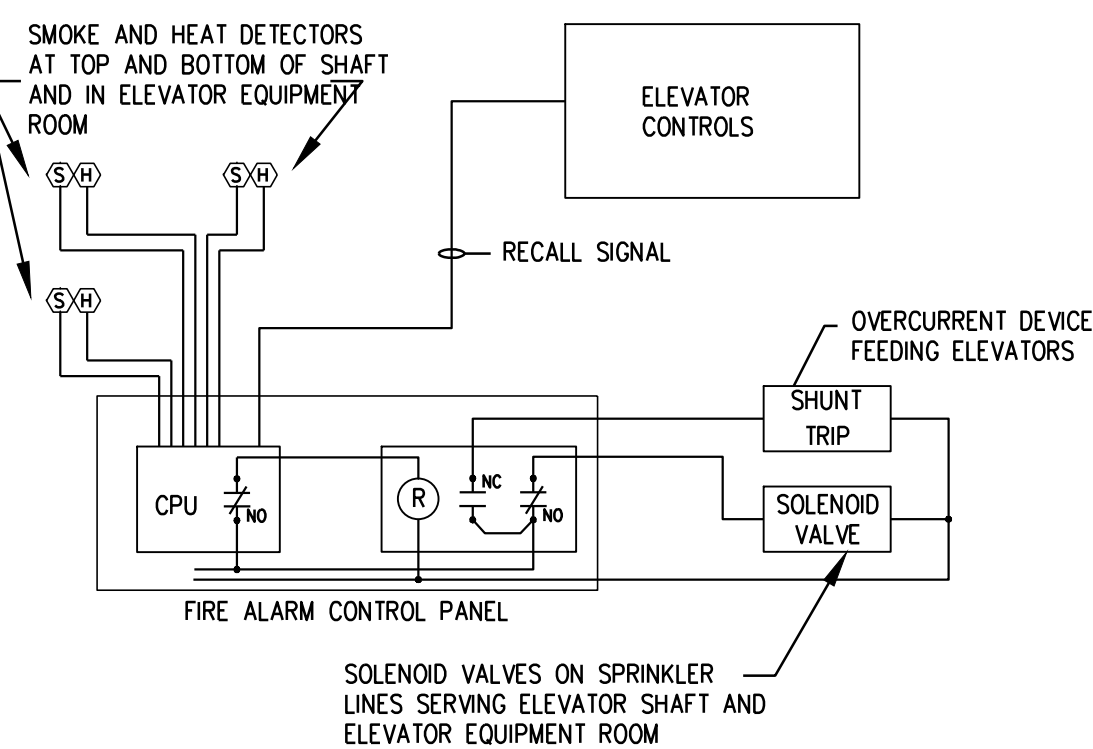
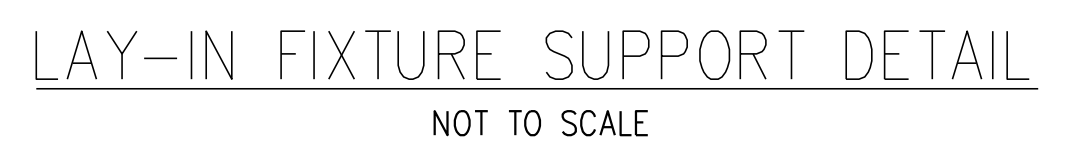
DATE:
06/08/16

E402

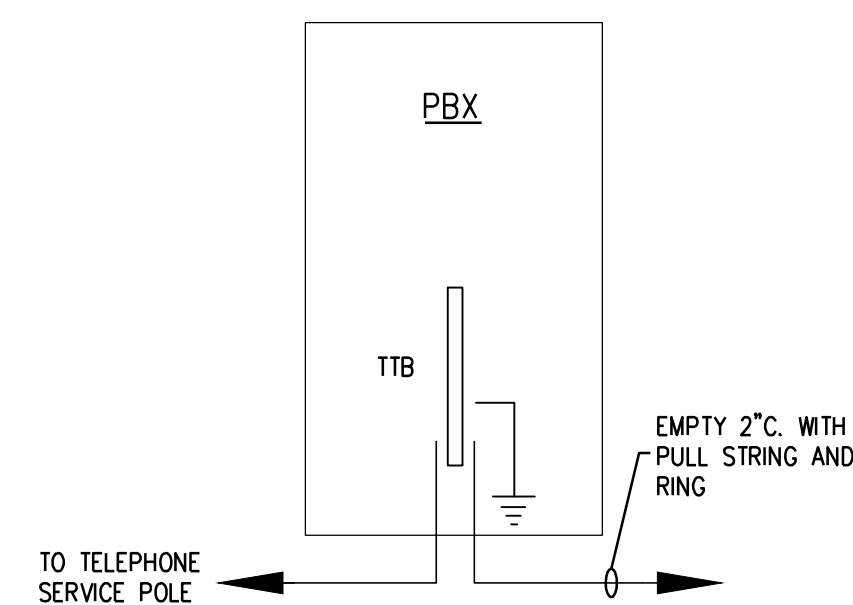
SYMBOL	D E S C R I P T I O N
	S.P.S.T. SWITCH -- MTD. UP 48" UNLESS NOTED OTHERWISE
	THREE-WAY SWITCH
	DIMMER SWITCH
	WALL SWITCH MOTION SENSOR - HUBBELL - PART NUMBER AS REQUIRED
	MOTION SENSOR - HUBBELL "OMNI" SERIES
	DUPLEX RECEPTACLE MTD UP 10" - 18" IN HANDICAPPED ROOMS
	DUPLEX RECEPTACLE -- VERIFY MTG HEIGHT
	GFI RECEPTACLE
	GFI RECEPTACLE - VERIFY MTG HEIGHT
	ISOLATED GRD. DUPLEX RECEPTACLE - ORANGE IN COLOR
	SPECIAL PURPOSE RECEPTACLE
	FLOOR OUTLET W/DUPLEX RECEPTACLE
	FLOOR OUTLET -- SPECIAL PURPOSE
	JUNCTION BOX
	WEATHERPROOF
	CLOCK OUTLET
	EXIT LIGHT -- CONNECT TO NEAREST UNSWITCHED LIGHTING CKT. -- MTD ON CLG ABOVE DOOR -- LITHONIA #LOM S W 3 R/G 120/277 EL N LED EXIT LIGHT -- BATTERY BACKUP EXIT.
	EXIT LIGHT -- CONNECT TO NEAREST UNSWITCHED LIGHTING CKT. -- MTD ON CLG OR WALL ABOVE DOOR -- LITHONIA #EQM S W 3 R/G 120/277 EL N LED EXIT LIGHT -- BATTERY BACKUP EMERGENCY EXIT & EMERGENCY LIGHT
	WALL MOUNTED FIXTURE
	FLUORESCENT STRIP FIXTURE
	FLUROESCENT FIXTURE
	EMER BATTERY BACK-UP FIXT. - CONNECT TO NEAREST UNSWITCHED LIGHT CKT -- MT ON WALL UP 84" -- LITHONIA #BELM2 IN N "QUANTUM" SERIES
	SURFACE OR RECEASED, SEE FIXTURE SCHEDULE
	SHADED FIXTURE DENOTES FLUORESCENT FIXTURE WITH EMERGENCY BATTERY BACK-UP BALLAST.
	HOME-RUN TO PANEL
	WIRING CONCEALED IN WALL OR FLOOR
	WIRING CONCEALED IN WALL OR CEILING
	WIRE IN CONDUIT -- HASH MARKS DENOTE NUMBER OF WIRES - DOT DENOTES GRD WIRE - LONG HASH DENOTES NEUTRAL NO HASH MARKS DENOTE 2#12 & 1#12 GRD, UNLESS NOTED OTHERWISE.
	LOW VOLTAGE WIRING
	NON-FUSED DISCONNECT
	FUSED DISCONNECT
	DISTRIBUTION PANEL
	LIGHTING AND APPLIANCE BRANCH CIRCUIT PANEL
	MOTOR
	BUZZER WITH LOW VOLTAGE TRANSFORMER
	PUSHBUTTON
	INTERCOM OUTLET -- 1"C. STUBBED-UP AT FRONT DESK TO INTERCOM MASTER STATION.
	INTERCOM OUTLET MASTER STATION
	TELEVISION SYSTEM OUTLET -- MTD. UP 12" WITH 3/4"C. EMT CONDUIT CHASE TO CORRIDOR.
	TELEPHONE SYSTEM OUTLET -- MTD UP 12" WITH 3/4"C. EMT CONDUIT CHASE TO CORRIDOR.
	TELEPHONE SYSTEM OUTLET IN FLOOR BOX WITH 3/4"C. TO TEL EQUIP.
	EDWARDS NO. 7005-G5 HOTEL GUESTROOM ANNUNCIATOR
	DATA SYSTEM OUTLET -- MTD UP 12" WITH 3/4" CONDUIT TO COMPUTER BACKBOARD
	DATA SYSTEM OUTLET IN FLOOR BOX WITH 3/4" C. TO COMPUTER BACK BOARD
	EDWARDS #8535 CALL FOR ASSISTANCE STATION
	THERMOSTAT MTD UP 60" - FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
	CARD READER J-BOX WITH 3/4"C. STUBBED OUT ABOVE CEILING
	SPEAKER FURNISHED AND INSTALLED BY OWNER.
	VOLUM CONTROL
	HUBBELL CEILING MTD. OCCUPANCY SENSOR AS REQUIRED.
	HUBBELL WALL MTD. OCCUPANCY SENSOR AS REQUIRED.

SYMBOL	D E S C R I P T I O N
	FIRE ALARM SYSTEM BREAKGLASS STATION -- MTD UP 48" A.F.F
	FIRE ALARM SYSTEM AUDIO / VISUAL DEVICE -- MTD UP 84" A.F.F.
	FIRE ALARM SYSTEM CONTROL PANEL
	FIRE ALARM SYSTEM HEAT DETECTOR
	FIRE ALARM SYSTEM SMOKE DETECTOR
	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR
	FIRE ALARM SYSTEM STROBE LIGHT -- MTD UP 84" A.F.F
	FIRE ALARM SYSTEM SYSTEM MINI-HORN -- MTD. UP 84"
	FIRE ALARM SYSTEM MINI-STROB IN GUESTROOM BATH- MTD UP 84"
	FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR
	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR
	FIRE ALARM SYSTEM MAGNETIC DOOR HOLDER
	FIRE ALARM SYSTEM FLOW SWITCH
	FIRE ALARM SYSTEM TAMPER SWITCH
	FIRE ALARM SYSTEM SMOKE DETECTOR W / AUXILIARY CONTACTS FOR ELEVATOR RECALL

1. PROVIDE HUBBELL BUILDING AUTOMATION OR EQUAL OCCUPANCY SENSORS AND COMPONENTS. PROVIDE ALL WIRING, ACCESSORIES, POWER PAKS, SWITCHES, RELAYS AND ADAPTORS AS REQUIRED FOR PROPER OPERATION OF EQUIPMENT. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND WIRING DIAGRAMS.
2. ALL SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS FOR SITE INSTALLATION.
3. ULTRASONIC CEILING MOUNT SENSORS SHOULD BE LOCATED A MINIMUM OF SIX FEET FROM HVAC SUPPLY/RETURN VENTS.
4. CONTRACTOR IS RESPONSIBLE FOR: PROPER SENSITIVITY & TIME DELAY SETTING (FOR NON-ADAPTIVE PRODUCTS) RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH IN RESPECT TO POWER PLACEMENT.
5. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PAKS:
 - A.) ONE POWER PAK IS REQUIRED FOR EACH CIRCUIT TO BE CONTROLLED.
 - B.) ONE POWER PAK IS REQUIRED FOR EVERY THREE SENSORS IN THE ZONE.
6. IF MULTIPLE CIRCUITS ARE TO BE CONTROLLED BY A SENSOR, AN AUXILIARY RELAY CAN BE USED IN CONJUNCTION WITH THE POWER PAK.
7. THE MAXIMUM NUMBER OF SENSORS THAT CAN BE PUT ON A POWER PAK IS TO BE REDUCED BY ONE FOR EACH SLAVE PAK USED.
8. SENSORS MOUNTED OVER THE DOOR MUST BE PLACED ONE FOOT INSIDE THE THRESHOLD.
9. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SENSOR BILL OF MATERIALS COMPLIES WITH THE SENSOR DESIGN AND LAYOUT SPECIFICATIONS.
10. CONTRACTOR IS RESPONSIBLE FOR INSTALLING FOR INSTALLING EQUIPMENT IN COMPLIANCE WITH STATE AND LOCAL CODES.



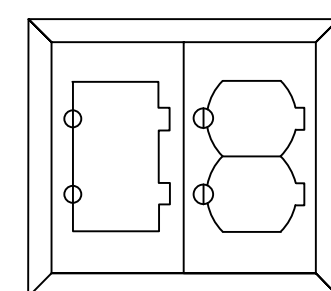
SCHEMATIC -- NO SCALE



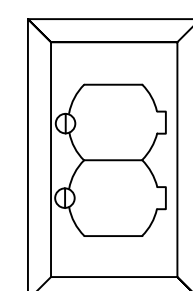
2.) PROVIDE A #6 BARE COPPER GROUND WIRE FROM MAIN SERVICE GROUND TO BASE OF TELEPHONE TERMINAL BOARD (TTB).

3.) COORDINATE THE NEW TELEPHONE SERVICE WITH THE TELEPHONE COMPANY. PROVIDE AN UNDERGROUND 4" PVC CONDUIT TO THE SERVICE POLE OR POINT. PROVIDE ALL LABOR AND MATERIALS AS REQUIRED BY TELEPHONE COMPANY TO ESTABLISH NEW PHONE SERVICE.

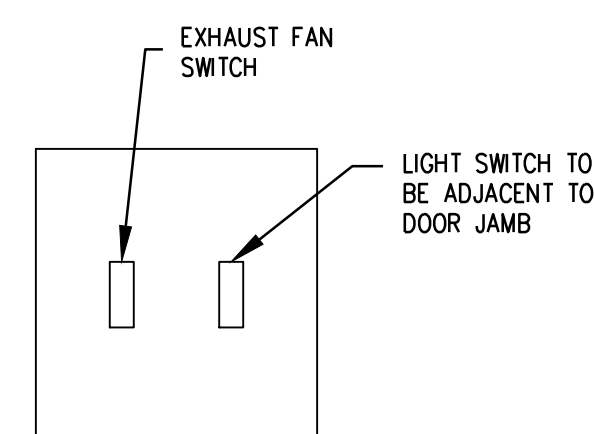
NO SCALE



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



- 1.) PROVIDE HUBBELL #B2436 CAST IRON BOX WITH # SB3083 CARPET FLANGE IF REQUIRED.
- 2.) US NEMA 5-20R RECEPTACLE FOR POWER.
- 3.) PROVIDE HUBBELL #S3825 COVER PLATE FOR POWER.
- 4.) PROVIDE HUBBELL #S3826 COVER PLATE FOR DATA OR TELEPHONE.



NO SCALE



FLOOR BOX DETAIL



FLOOR BOX DETAIL



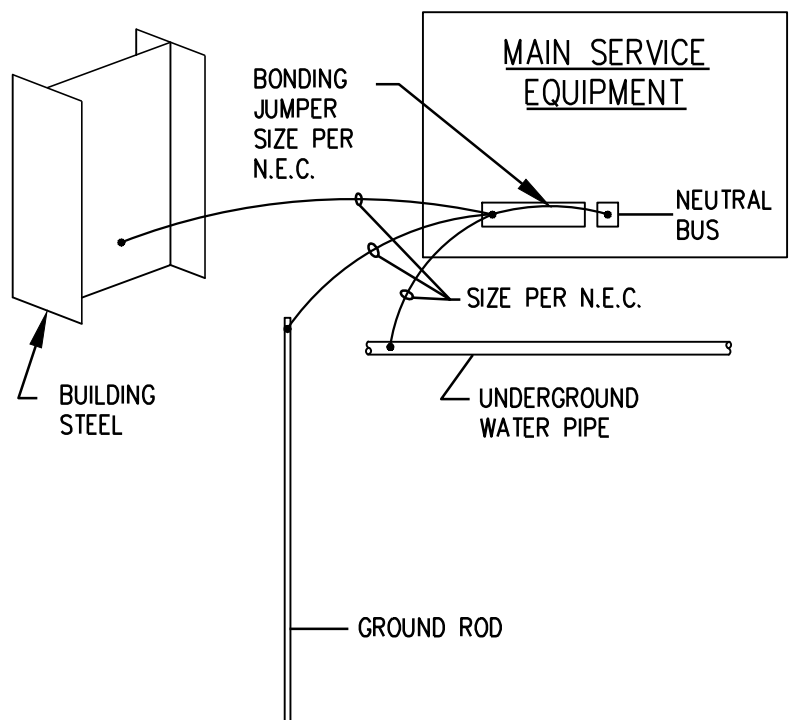
F403

SPECIFICATIONS & NOTES

1. **GENERAL:** FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR A COMPLETE INSTALLATION OF ELECTRICAL WIRING. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXISTING, GENERAL CHARACTER, AND THE APPROXIMATE LOCATION OF THE WORK TO BE PERFORMED. OMISSIONS OF THE DETAILS OF WORK, MOUNTING HARDWARE, FITTING, J-BOXES, OUTLET BOXES, PULL BOXES, SUPPORTS, CONNECTORS, ACCESSORIES, AND/OR ADAPTORS WHICH ARE EVENTUALLY 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 EQUIPMENT 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 MOCIP 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 CONCERNING 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. 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 COMPLETE 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 PHILIPS. FLUORESCENT BALLASTS SHALL BE HIGH FREQUENCY ELECTRONIC TYPE BY MAGNETIC TRIAD, LUTRON, OSRAM-SYLVANIA OR MOTOROLA AND SHALL HAVE A 5 YEAR WARRANTY. BF SHALL BE GREATER THAN .9, THD SHALL BE LESS THAN 20%, CF GREATER THAN 1.7 AND PF GREATER THAN .93. HID LAMP 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 WIRE & 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 CONDUIT SHALL BE CONTINUOUS FROM OUTLET TO OUTLET. ALL CONDUITS SHALL HAVE FINISHING 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. **DEVICES 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.

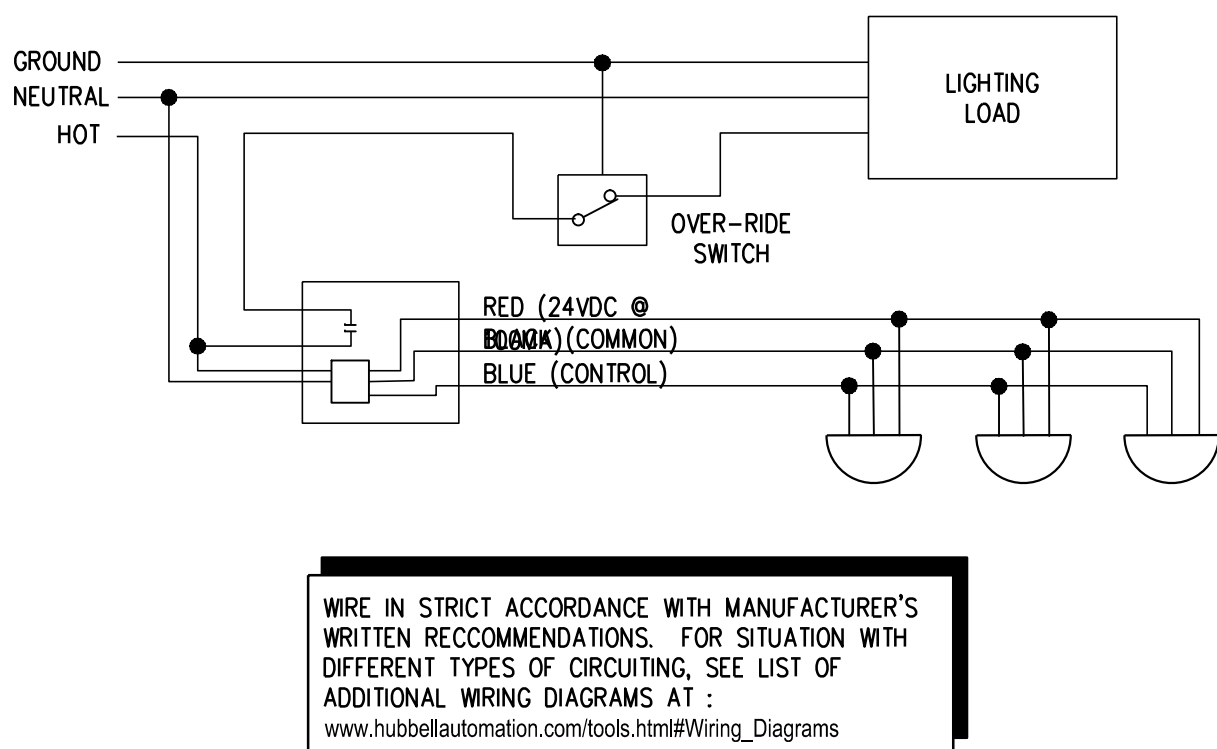
SPECIFICATIONS & NOTES

16. **FUSES:** CLASS RK-1 TIME DELAY FUSE FOR PROTECTING CIRCUIT BREAKERS. BUSSMAN LIMTRON OR EQUAL. CLASS RK-5 TIME DELAY FUSE FOR PROTECTION OF MOTORS AND TRANSFORMERS. BUSSMAN FUSEIRON 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 CONDUCTORS 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 CONNECTING EQUIPMENT. ALL RECEPTACLES IN TOILETS, WITHIN 6 FT. OF SINKS. IN COMMERCIAL KITCHENS AND IN EXTERIORS 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 BREAKERS SHALL BE QUICK-MAKE, QUICK-BREAK, THERMAL MAGNETIC TRIPS INDICATING AND SHALL HAVE COMMON TRIP ON ALL MULTIPOLAR BREAKERS. CONNECTION TO THE BUSS SHALL BE BOLT ON. TERMINALS FOR FEEDER CONDUCTORS TO THE PANELBOARD MAINS AND NEUTRAL SHALL BE UL LISTED AS SUITABLE FOR THE TYPE OF CONDUCTOR SPECIFIED. TERMINALS FOR BRANCH CIRCUIT WIRING, BOTH BREAKER AND NEUTRAL, SHALL BE UL LISTED AS SUITABLE FOR THE CONDUCTOR SPECIFIED. PANELBOARDS NOT SHOWN TO BE RATED FOR SERVICE ENTRANCE SHALL BE EQUIPPED WITH AN ISOLATED NEUTRAL AND A GROUNDING BUSS. THE PANELBOARD FRONT SHALL BE OF HINGED FRONT TYPE WITH DOORS EQUIPPED WITH FLUSH BRUSHED STEEL, CYLINDER TUMBLER-TYPE LOCKS WITH CATCHES AND SPRING-LOADED DOOR PULLS. THE FLUSH LOCK SHALL NOT PROTRUDE BEYOND THE FRONT OF THE DOOR. ALL PANELBOARD LOCKS SHALL BE KEYS 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 NOTES, 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. **NOT USED:** NOT USED -- DELETED
27. **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.
28. **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.
29. **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.
30. **UNDERGROUND INSTALLATIONS:** WHERE CONDUIT IS INSTALLED BELOW GRADE, THE MINIMUM BURIAL DEPTH SHALL BE 24" UNLESS INSTALLED UNDER BUILDING SLAB (WHERE THERE IS NO MINIMUM BURIAL DEPTH). WHERE RIGID CONDUIT IS INSTALLED BELOW GRADE, COAT CONDUIT AND COUPLINGS WITH (2) COATS OF ASPHALT 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.
31. **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.
32. **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.
33. **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.



ELECTRICAL SYSTEM GROUNDING AND BONDING

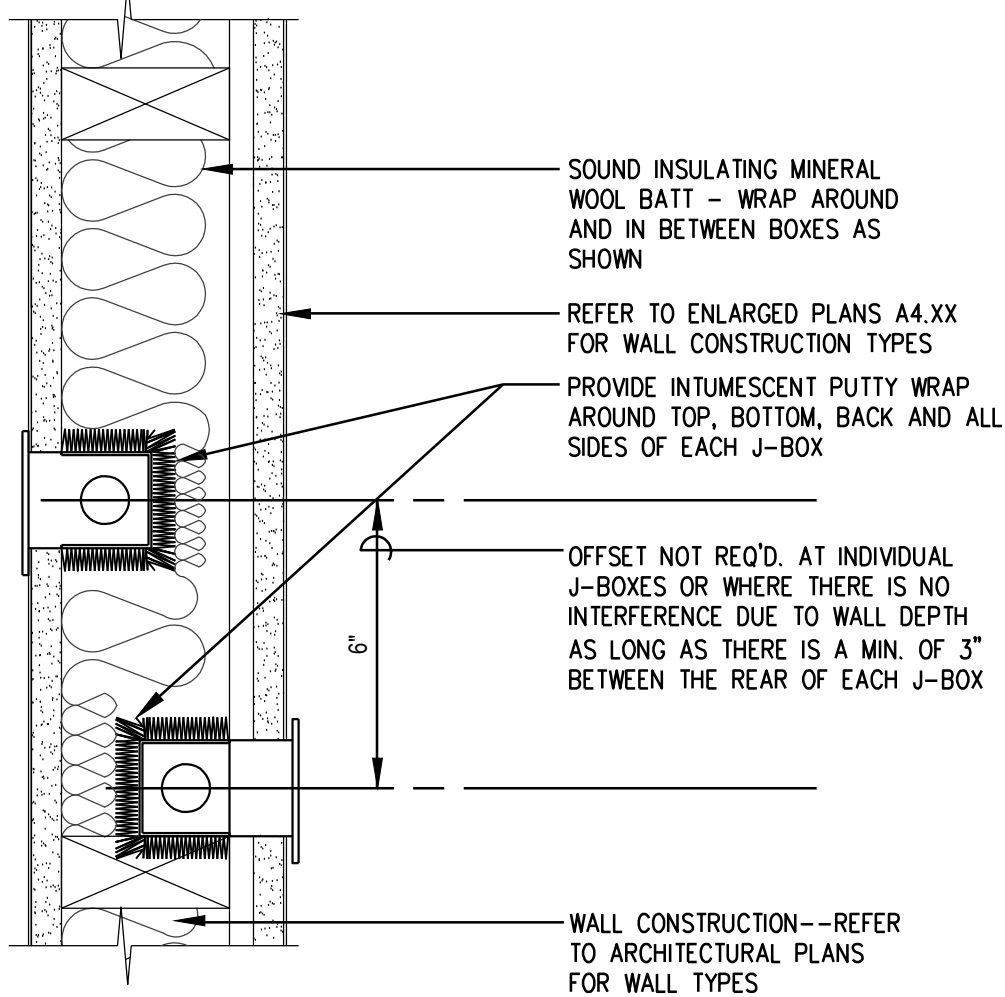
NOT TO SCALE



TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM

SCHEMATIC -- NO SCALE

THIS DETAIL IS INTENDED TO SHOW THE SPECIALIZED OFFSET CONDITION REQ'D AT "BACK-TO-BACK" JUNCTION BOX LOCATIONS IN WOOD STUD WALLS BETWEEN TWO GUEST ROOMS-- JUNCTION BOXES MUST BE COORDINATED WITH APPROPRIATE OPENINGS IN CASEWORK -- REFER TO ROOM TYPE PLANS ELEVATIONS FOR MOUNTING HEIGHTS

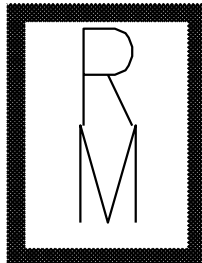


PLAN DETAIL AT TYPICAL J-BOX OFFSET

NO SCALE

ELECTRICAL SYSTEM GROUNDING & BONDING

1. THE GROUNDING ELECTRODE CONDUCTOR AT THE MAIN SERVICE EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-50 OF THE N.E.C. AND AS SHOWN ON THE ADJACENT SKETCH.
2. THE MAIN BONDING JUMPER AT THE MAIN SERVICE EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-102 OF THE N.E.C. AND AS SHOWN ON THE ADJACENT SKETCH.
3. EQUIPMENT GROUNDING CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS MAY BE A COPPER OR CORROSION RESISTANT CONDUCTOR, RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, ELECTRICAL METALLIC TUBING, OR THE METALLIC SHEATH OR COMBINED METALLIC SHEATH AND GROUNDING CONDUCTORS OF TYPE MC CABLE.
4. WHERE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IT SHALL BE SIZED IN ACCORDANCE WITH THE 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 ARTICLE 250 OF THE N.E.C.



Richard Molenaar
ARCHITECT



INNOVATIVE • ENGINEERING
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2787 Stage Center Dr.
Suite 101
Bartlett, Tennessee 38134
901-379-0500
www.innovativees-llc.com



PROJECT NAME:

HOME2
SUITES BY HILTON

Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
DETAILS

PROJECT NO.

13010

LATEST REVISION:



DRAWN BY:

CHECKED BY:

SHEET NUMBER:

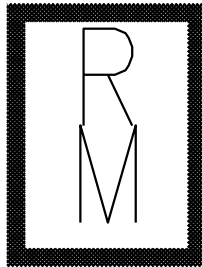
SA

RJH

DATE:

06/08/16

E404



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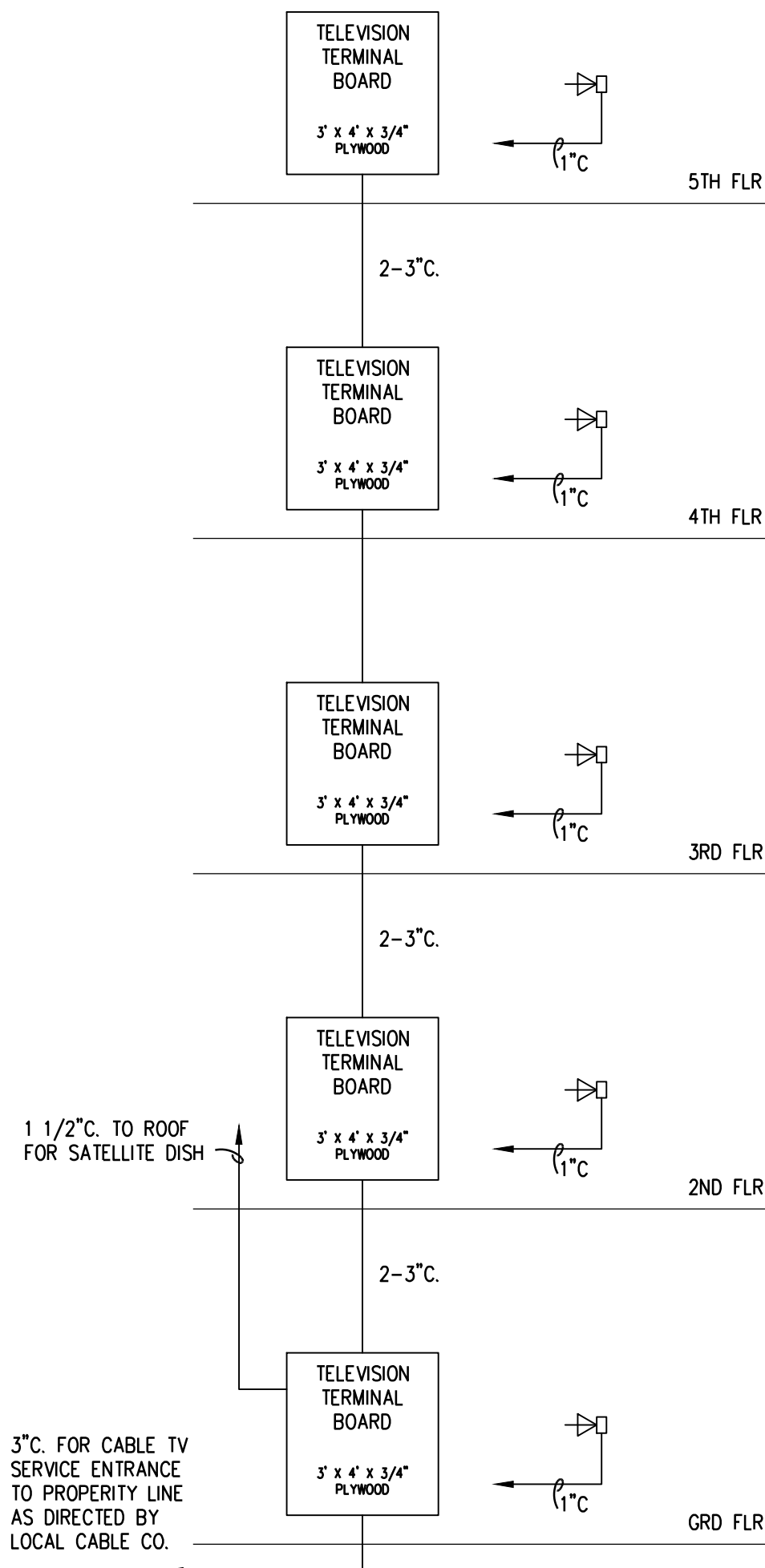
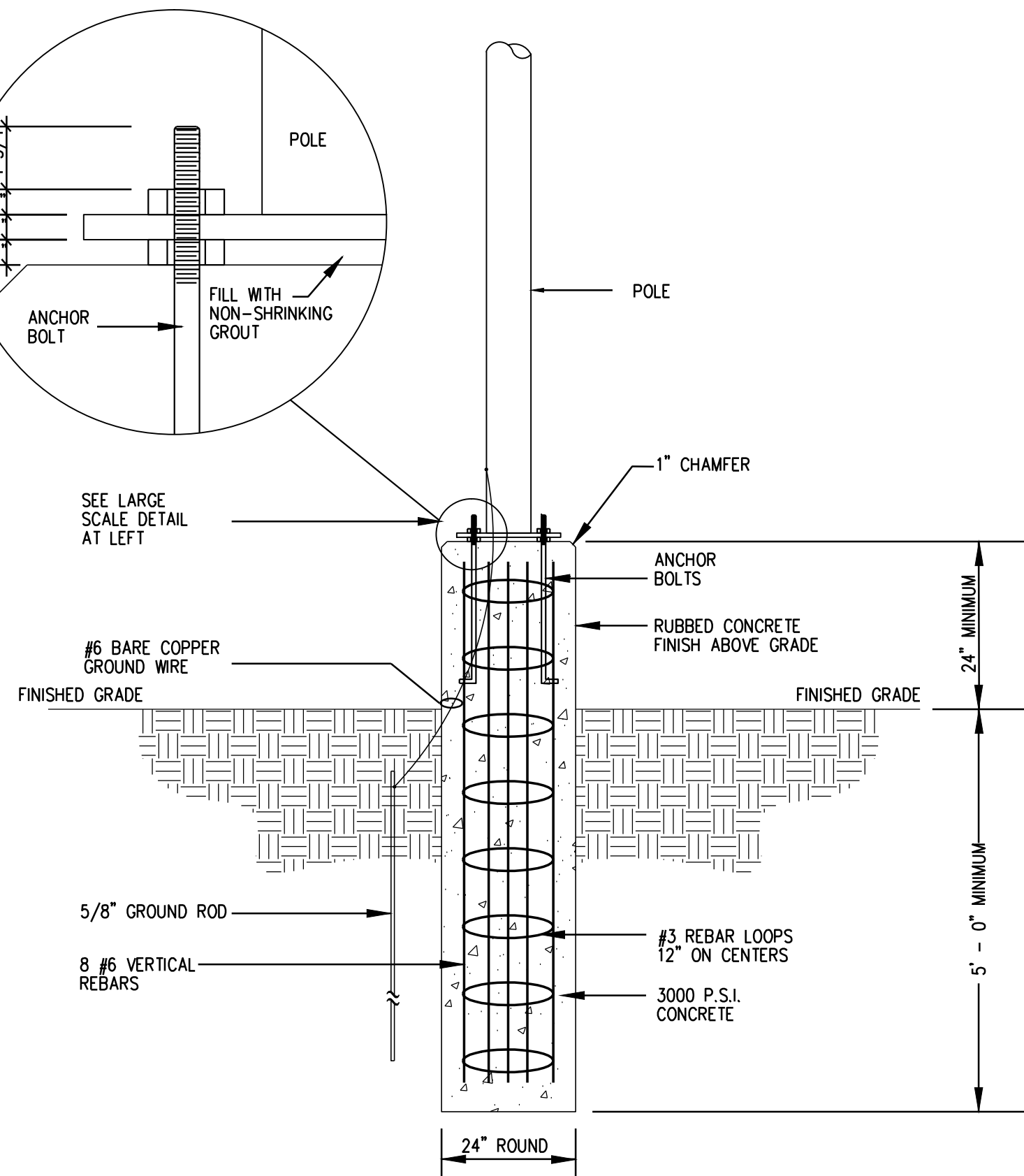


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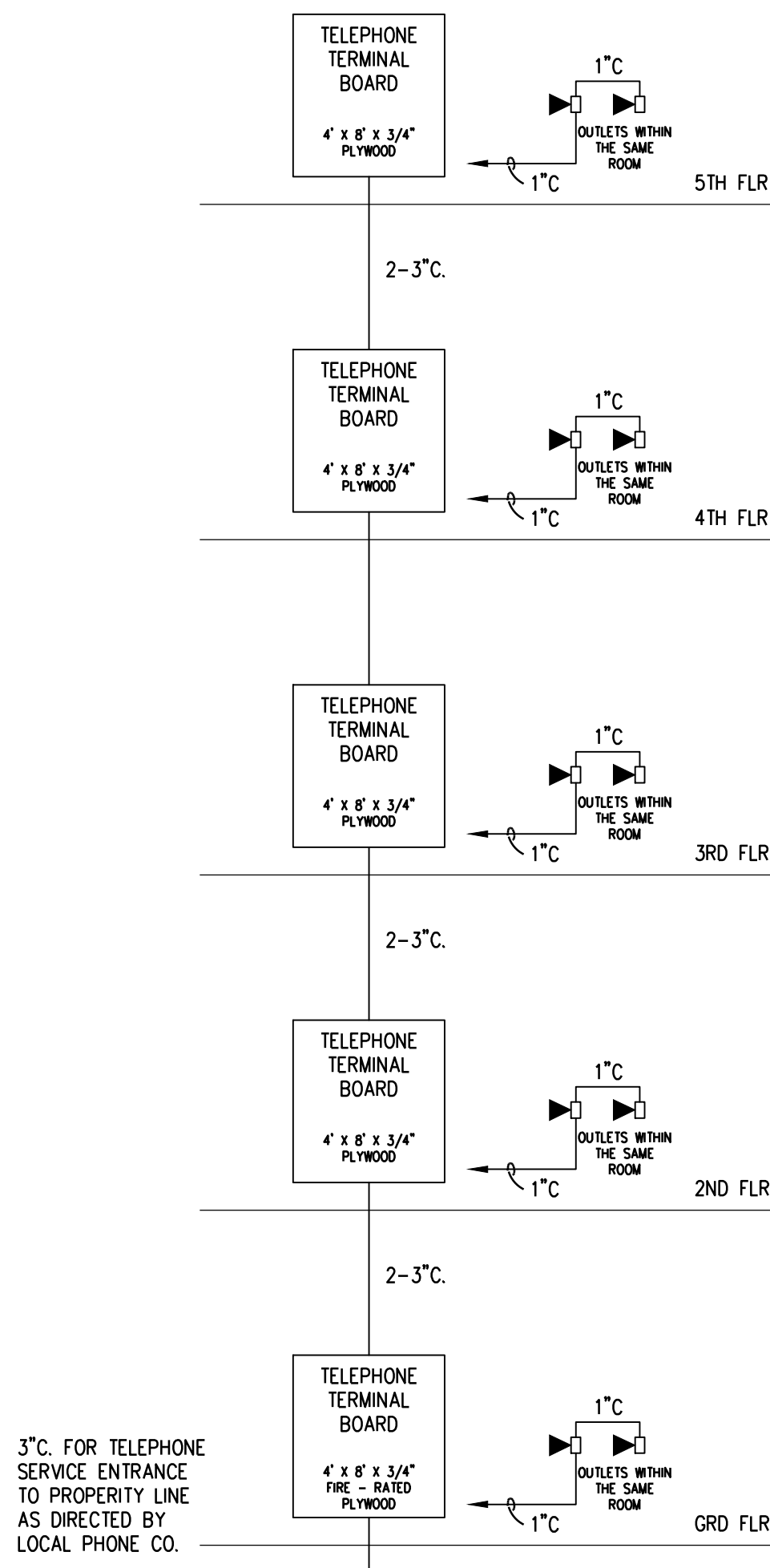
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POLE BASE DETAIL
NO SCALE



TELEVISION CONDUIT DIAGRAM
SCHEMATIC ---- NO SCALE



TELEPHONE CONDUIT DIAGRAM
SCHEMATIC ---- NO SCALE

PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:
ELECTRICAL
DETAILS

PROJECT NO.
13010

LATEST REVISION:

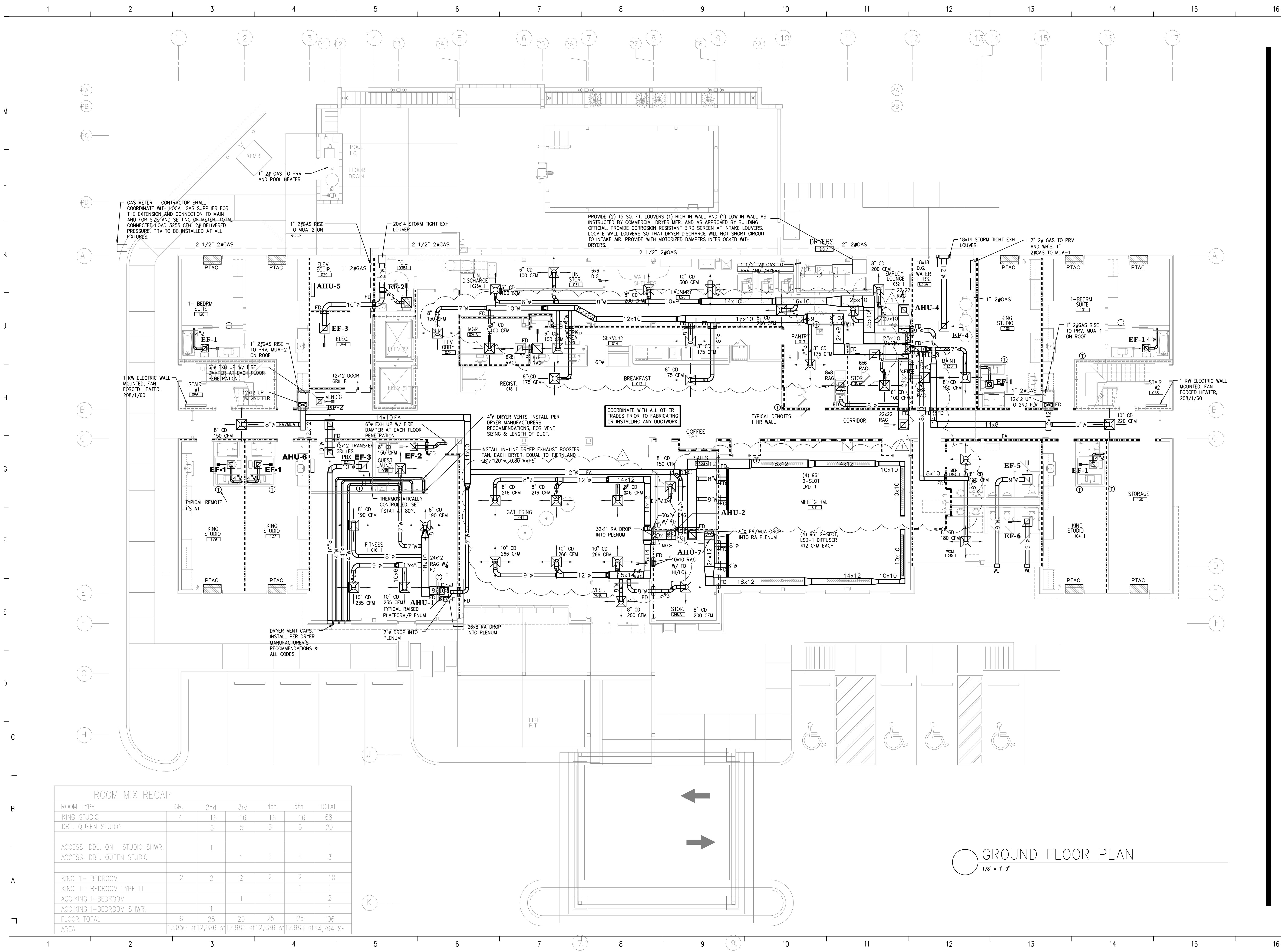


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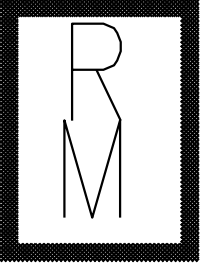
DATE:
06/08/16

E405



ROOM MIX RECAP						
ROOM TYPE	GR.	2nd	3rd	4th	5th	TOTAL
KING STUDIO	4	16	16	16	16	68
DBL. QUEEN STUDIO		5	5	5	5	20
ACCESS. DBL. QN. STUDIO SHWR.		1				1
ACCESS. DBL. QUEEN STUDIO			1	1	1	3
KING 1- BEDROOM	2	2	2	2		10
KING 1- BEDROOM TYPE III					1	1
ACC.KING 1-BEDROOM			1	1		2
ACC.KING 1-BEDROOM SHWR.						1
FLOOR TOTAL	6	25	25	25	25	106
AREA	12,850 SF	12,986 SF	12,986 SF	12,986 SF	12,986 SF	64,794 SF

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



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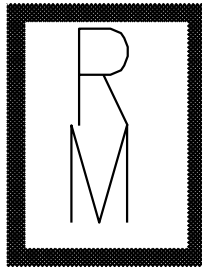
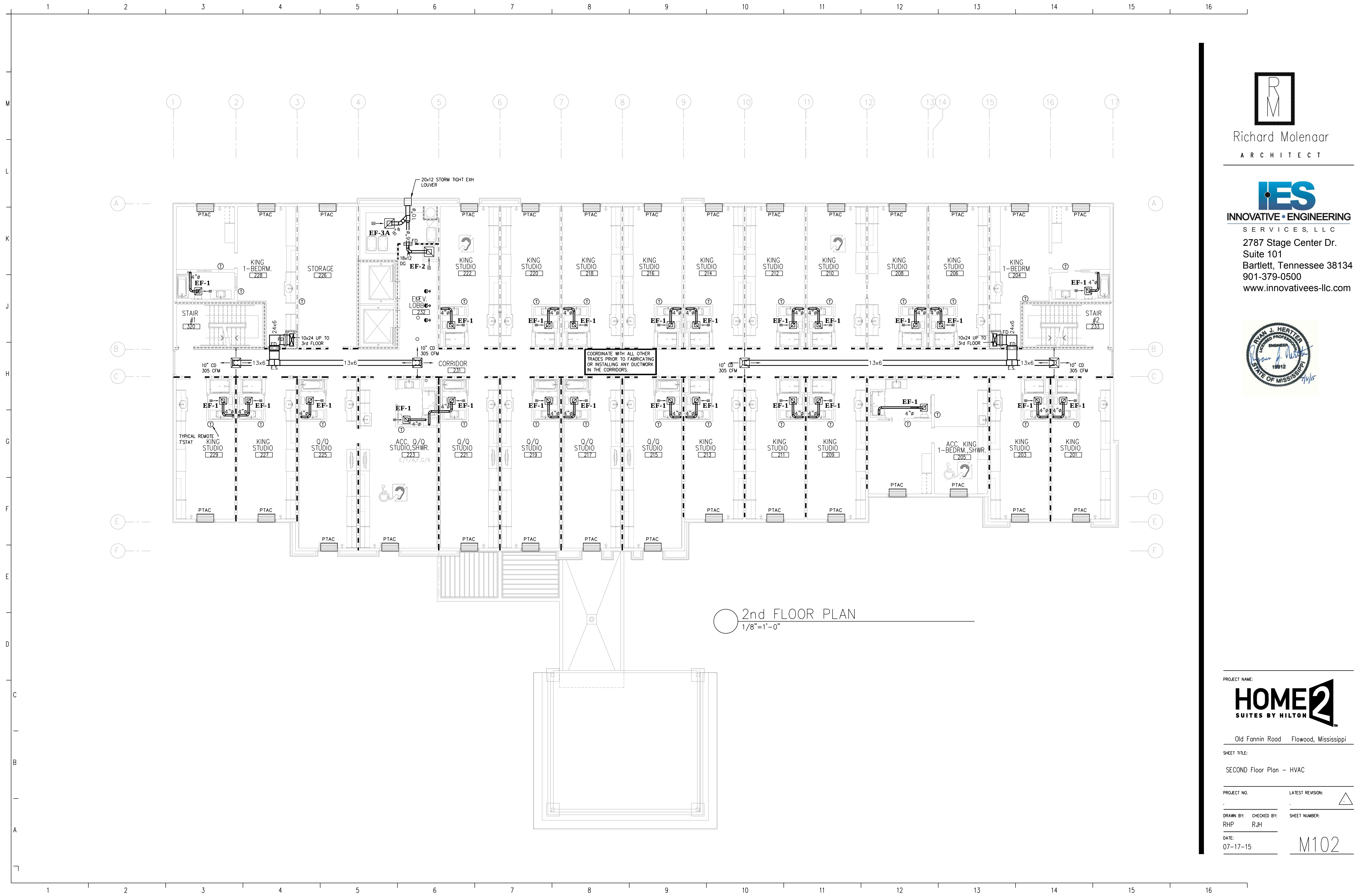
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PROJECT NAME:
HOME2
SUITES BY HILTON
Old Fannin Road Flowood, Mississippi

SHEET TITLE:
Ground Floor Plan - HVAC

PROJECT NO.:
DATE: 07/17/15
DRAWN BY: RHP
CHECKED BY: RUH
LATEST REVISION: 09/14/16
SHEET NUMBER: M101



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:

SECOND Floor Plan – HVAC

PROJECT NO.

LATEST REVISION:

DRAWN BY:

CHECKED BY:

SHEET NUMBER:

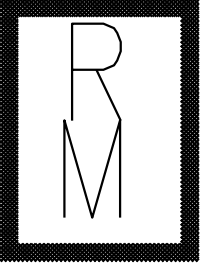
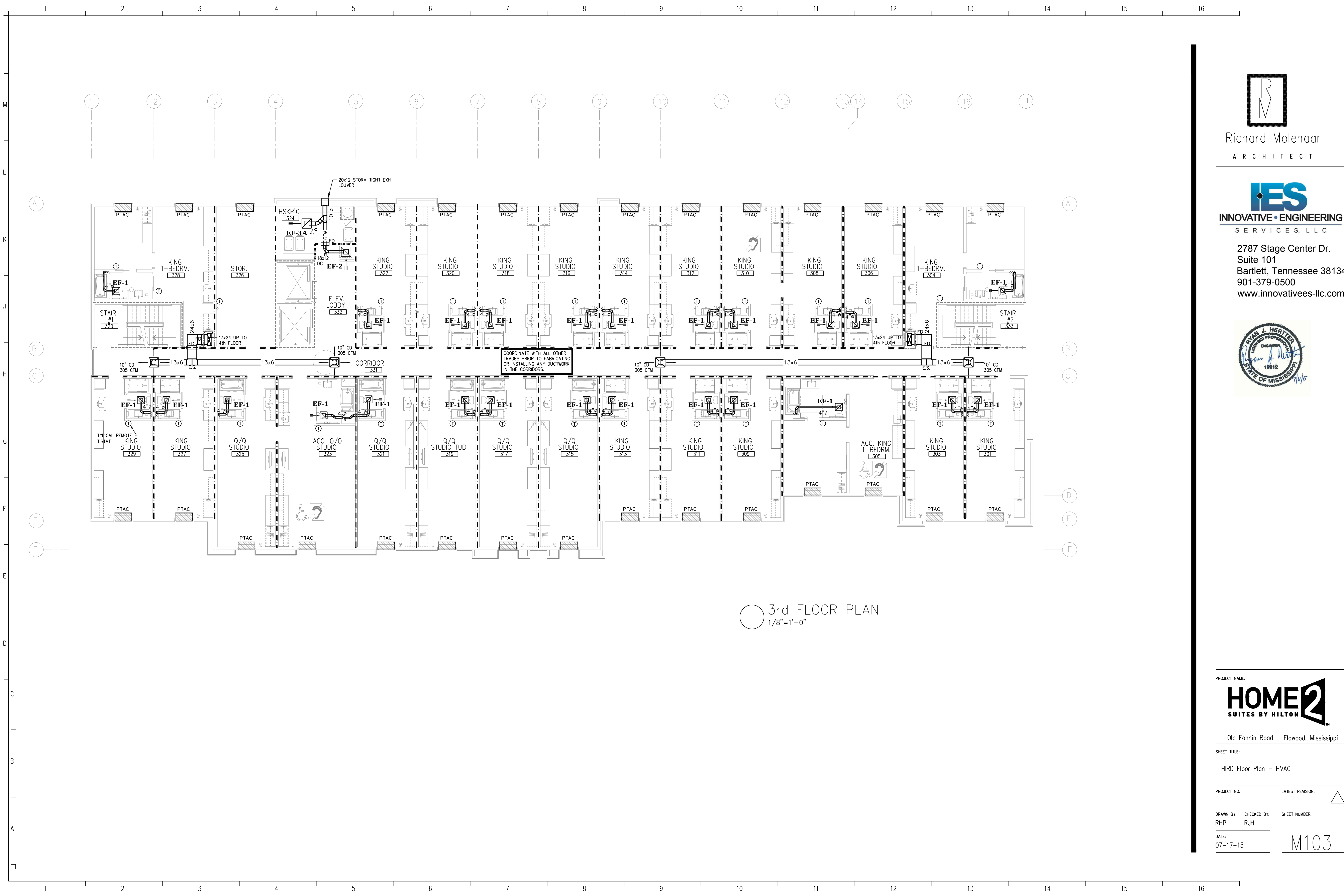
RHP

RJH

DATE:

07-17-15

M102



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3rd FLOOR PLAN
1/8"=1'-0"

PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:

THIRD Floor Plan - HVAC

PROJECT NO.

LATEST REVISION:

DRAWN BY:

CHECKED BY:

SHEET NUMBER:

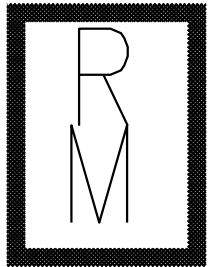
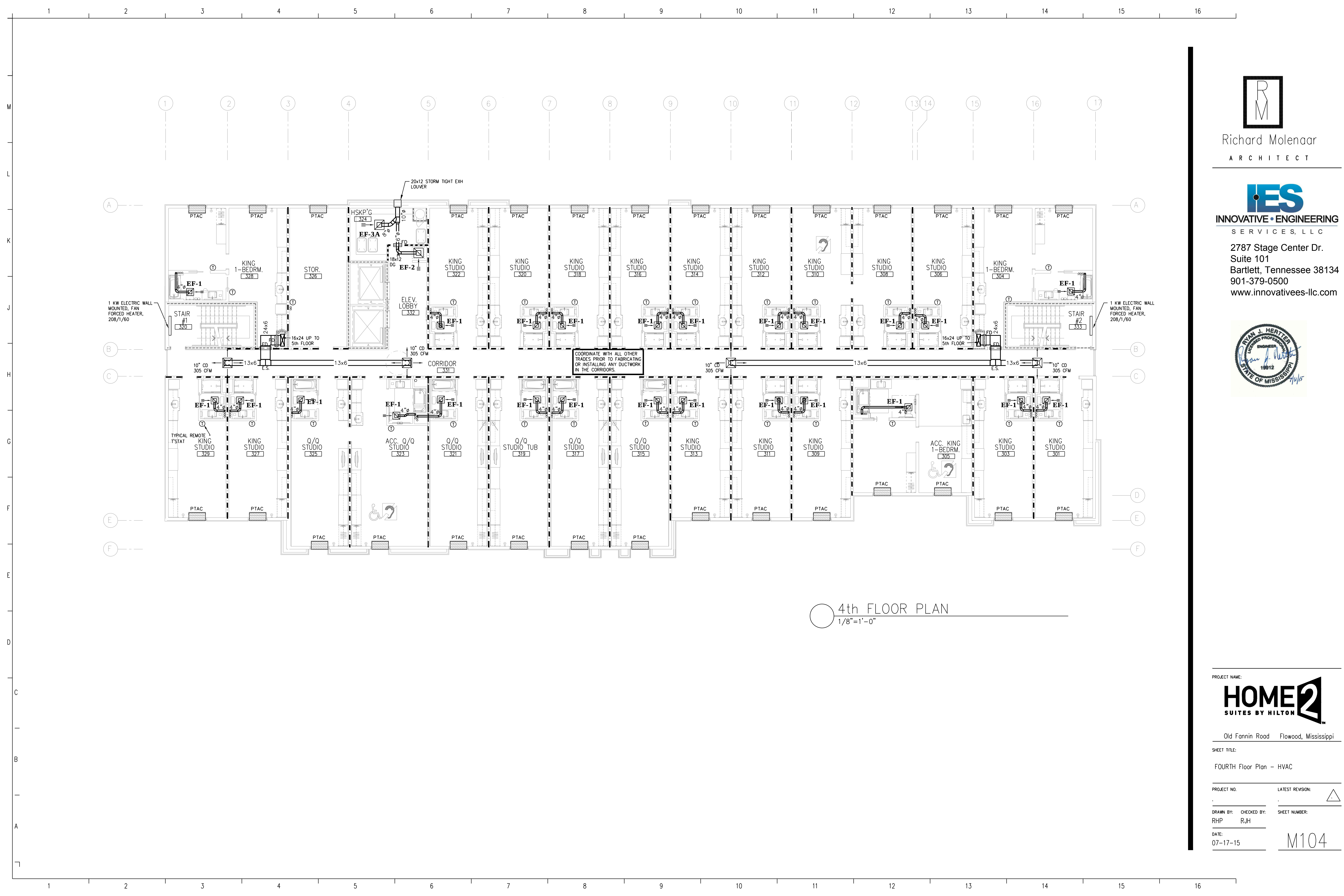
RHP

RJH

DATE:

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4th FLOOR PLAN
1/8"=1'-0"

PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:

FOURTH Floor Plan – HVAC

PROJECT NO.

LATEST REVISION:

DRAWN BY:

CHECKED BY:

SHEET NUMBER:

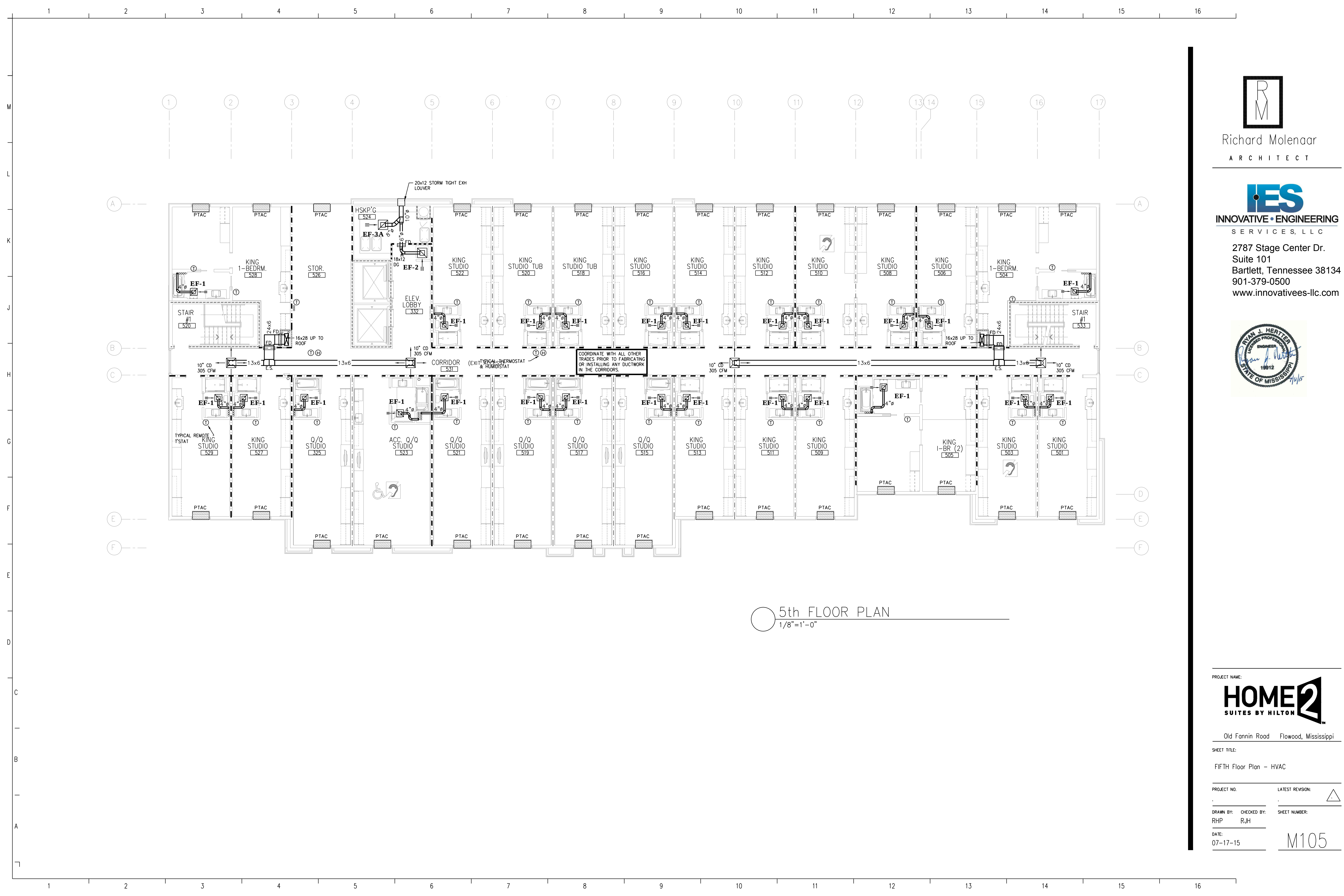
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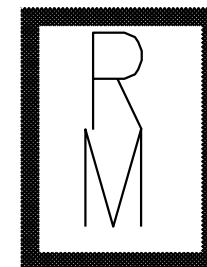
DATE:

07-17-15

M104



5th FLOOR PLAN
1/8"=1'-0"



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:

FIFTH Floor Plan - HVAC

PROJECT NO.

LATEST REVISION:

DRAWN BY:

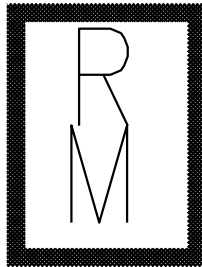
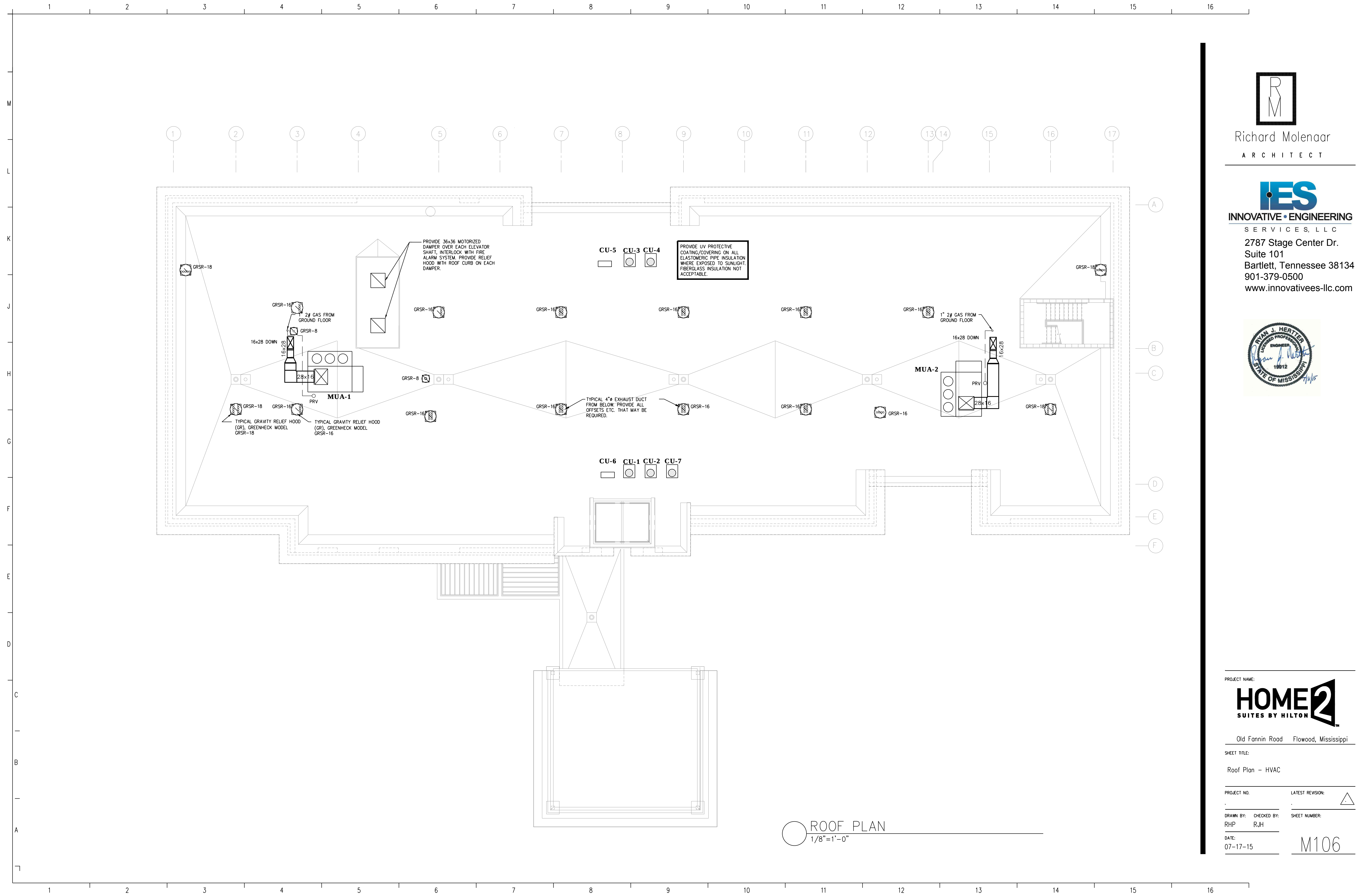
CHECKED BY:

SHEET NUMBER:

DATE:

07-17-15

M105



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:

Roof Plan - HVAC

PROJECT NO.

LATEST REVISION:

DRAWN BY:

CHECKED BY:

SHEET NUMBER:

DATE:

07-17-15

M106

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. 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 EXPERIENCE 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.
24. ALL SYSTEMS SHALL COMPLY WITH HILTON WORLDWIDE, HOME2 STANDARDS, MOST CURRENT EDITION.

FAN SCHEDULE

MARK	DESCRIPTION
EF-1	GREENHECK MODEL SP-A90, CEILING MOUNTED EXHAUST FAN, WITH CEILING RADIATION DAMPER, 50 CFM @ .25" SP, 29.4 WATTS @ 120 VOLT. INDIVIDUAL WALL SWITCHES.
EF-2	GREENHECK MODEL SP-B90, CEILING MOUNTED EXHAUST FAN, 75 CFM @ .25" SP, 50 WATTS @ 120 VOLT. TERMINATION AS INDICATED ON THE DRAWINGS.
EF-3	GREENHECK MODEL SP-A410 CEILING MOUNTED EXHAUST FAN, 350 CFM @ .25" ESP, 121 WATTS @ 120 V. COMPLETE W/ WALL CAP, BIRDSCREEN, BACKDRAFT DAMPER, & DISCONNECT. WL WALL LOUVER.
EF-3A	GREENHECK MODEL SP-A200 CEILING MOUNTED EXHAUST FAN, 200 CFM @ .25" ESP, 48.2 WATTS @ 120 V. COMPLETE W/ BIRDSREEN, BACKDRAFT DAMPER, & DISCONNECT. WL WALL LOUVER.
EF-4	GREENHECK MODEL SP-A700 CEILING MOUNTED EXHAUST FAN, 600 CFM @ .25" ESP, 350 WATTS @ 120 V. COMPLETE W/ WALL CAP, BIRDSREEN, BACKDRAFT DAMPER, & DISCONNECT. THERMOSTAT CONTROLLED.
EF-5	GREENHECK MODEL SP-A290 CEILING MOUNTED EXHAUST FAN, 225 CFM @ .375" ESP, 80.7 WATTS @ 120 V. COMPLETE W/ WALL CAP, BIRDSREEN, BACKDRAFT DAMPER, & DISCONNECT. WL WALL LOUVER.
EF-6	

- * ALL EXHAUST DUCT SHALL BE METAL DUCT. NO FLEX PERMITTED.
- * ALL EXTERIOR WALL CAPS TO BE PVC.

MAKE-UP AIR UNIT SCHEDULE

	MFR. & MODEL	TOTAL CFM	COOLING						HEATING				SUPP FAN			VOLTAGE	COMP	EVAP FAN	COND FAN	M.C.A.	MOCP	WEIGHT
			CAPACITY (MBH)		ENT AIR		LVG AIR		CAPACITY (MBH)		AIR TEMP		H.P.	FRPM	E.S.P.							
			SENSIBLE	TOTAL	DB	WB	DB	WB	INPUT	OUTPUT	ENT	LVG										
MUA-1 MUA-2	AAON RN-020-8-0-BA02-349 OR APPROVED EQUAL	3,200	95,660	255,820	83.5	78.70	55.11	54.91	270,000	218,700	17.10	80.30	3.0	1009	1.5"	208/3/60	(2)@30.1	10.6	(2)@7.0	92.0	110	(LBS) 3,500

NOTES:

1. FACTORY ASSEMBLED, PIPED, WIRED AND TESTED AS A SINGLE PACKAGE.
2. R410A REFRIGERANT
3. MODULATING GAS HEATING(MINIMUM 10:1 TURNDOWN), WITH 304 SERIES STAINLESS HEAT EXCHANGER W/ A 25 YEAR WARRANTY (PARTS ONLY),.
4. 100% OUTSIDE AIR HOOD WITH 2 POSITION MOTORIZED DAMPER AND METAL MESH PRE-FILTER.
5. 2" MERV 12 FILTERS AND A 2" MERV 7 PRE-FILTERS.
6. HOT GAS BY-PASS ON ALL REFRIGERATION CIRCUITS. (FROST-STAT COMPRESSOR CYCLING NOT ACCEPTABLE).
7. MODULATING HOT GAS RE-HEAT COIL FOR DE-HUMIDIFICATION (2-POSITION OR DEDICATED HEAT PUMP CIRCUIT NOT ACCEPTABLE).
8. MANUAL RESET HIGH PRESSURE SWITCHES & AUTO RESET LOW PRESSURE SWITCHES.
9. 2-STAGE COOLING, 2 COMPRESSOR CIRCUITS WITH INTERLACED-CIRCUIT DX COIL. (HORIZONTAL SPLIT NOT ACCEPTABLE).
10. SIGHT GLASS AND STAINLESS STEEL DRAIN PAN.
11. INTEGRAL NON-FUSED DISCONNECT.
12. CONTROLS: WATMASTER/ORION VOWX CONTROLLER WITH AMBIENT DEWPOINT SENSOR; ELECTRONIC SEQUENCING OF COMPRESSORS, 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 THIS CAUSES OVER-COOLING IN THE SPACE, THE MODULATING HOT GAS REHEAT VALVE SHALL OPEN TO SATISFY THE CONDITIONED SPACE REQUIREMENT. FIELD MOUNTED CONTROLS INCLUDE A DUCT MOUNTED LEAVING AIR STAT AND A WALL MOUNTED STAT. ALL UNIT MOUNTED CONTROLS FOR COMPLETE OPERATION SHALL BE INSTALLED BY THE EQUIPMENT MANUFACTURER.
16. ECM CONDENSER FAN MOTORS FOR CONDENSER HEAD PRESSURE CONTROL.
17. 2" FOAM INJECTED INSULATED (MINIMUM R13 VALUE) DOUBLE WALL CABINET CONSTRUCTION
18. SINGLE POINT POWER CONNECTION.
19. UNIT SHALL BE AHRI LISTED AND CERTIFIED. (COIL ONLY CERTIFICATION IS NOT ACCEPTABLE)
20. 30" HIGH FACTORY ASSEMBLED AND INSULATED ROOF CURB/PLENUM WITH VIBRATION ISOLATION RAILS.
21. COMPRESSORS SHALL HAVE 5 YEAR WARRANTY. (PARTS ONLY).
22. DUCT MOUNTED SMOKE DETECTOR PROVIDED BY ELECTRICAL, INSTALLED BY MECHANICAL.
19. THIS IS AN AAON/HILTON NATIONAL ACCOUNT. FOR PRICING, PHONE: 1-901-345-6100.

NOTE:

ALL EQUIPMENT, AIR DISTRIBUTION, FILTRATION, THERMOSTATS AND DEVICES, ETC. SHALL FULLY COMPLY WITH ALL CODE AUTHORITIES HAVING JURISDICTION AND WITH THE LATEST EDITION OF HILTON/HOME2 STANDARDS, WHETHER SHOWN ON THESE DRAWINGS OR NOT. CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH THESE STANDARDS, AND BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/OWNER.

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	290		80°F	67°F	9,000	95°F	3.5 @ 240V. 2.9 @ 208V.	230/208V. /1/60	19.5 208/1/60	11.5	20 AMP	AMANA PTC093G35C, WITH DIGITAL UNIT MOUNTED CONTROLS, AND ELECTRONIC REMOTE MOUNTED THERMOSTATS, 2-SPEED FAN CONTROL, WALL SLEEVE, OR APPROVED EQUAL MANUFACTURER.

ACCESSORIES: (1) ELECTRICAL SUBBASE, (2) CONDENSATE REMOVAL KIT, 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) WIRED ELECTRONIC DIGITAL REMOTE MOUNTED THERMOSTAT. (6) ELECTRICAL SUB-BASE KIT.

HEATING AND AIR CONDITIONING SCHEDULE

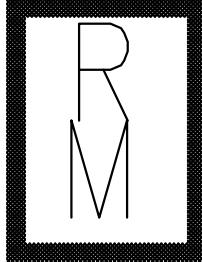
AIR HANDLING UNIT											CONDENSING UNIT						
	MFR. & MODEL	TOTAL CFM	O.S.A. CFM	TOTAL COOLING	SENSIBLE COOLING	E.S.P.	VOLTAGE	H.P.	ELEC HT KW	SINGLE POINT CONNECTION MCA	MFG & MODEL	M.C.A.	COMP. R.L.A.	FAN F.L.A.	VOLTAGE	REMARKS	EER
AHU-1	TRANE GAM5A0A36M31SA	1000	160	35,900	26,600	.5"	208/1/60	1/3	5.76	40	CU-1 TRANE 4TTB4024H1	18.0	13.5	0.9	208/1/60	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	14.0
AHU-2	TRANE GAM5A0C60M51SA	2000	285	59,700	43,400	.6"	208/3/60	1.0	10.8	46	CU-2 TRANE 4TTA4060D3	21.0	15.6	1.2	208/3/60	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	14.0
AHU-3	TRANE GAM5A0C48M41SA	1600	270	47,800	34,800	.6"	208/3/60	1.0	7.2	32	CU-3 TRANE 4TTA4048D3	18.0	13.7	1.2	208/3/60	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	14.0
AHU-4	TRANE GAM5A0B42M31SA	1400	270	35,900	26,600	.6"	208/1/60	1/2	5.76	40	CU-4 TRANE 4TTA4042B3	14.0	10.4	0.56	208/3/60	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	14.0
AHU-5	MITSUBISHI PKA-A12HA4	290	0	12,000	9,720	.1"	115/1/60	30W			CU-5 MITSUBISHI PUY-A12NHA4		12.0	0.35	115/1/60	COMPLETE W/ WALL MOUNTED T'STAT, WITH TIME DELAY AND HARD START KIT.	14.0
AHU-6	MITSUBISHI PKA-A12HA4	290	0	12,000	9,720	.1"	115/1/60	30W			CU-6 MITSUBISHI PUY-A12NHA4		12.0	0.35	115/1/60	COMPLETE W/ WALL MOUNTED T'STAT, WITH TIME DELAY AND HARD START KIT.	14.0
AHU-7	TRANE GAM5A0C48M41SA	1650	285	48,800	34,800	.6"	208/3/60	1.0	7.2	32	CU-7 TRANE 4TTA4048D3	18.0	13.7	1.2	208/3/60	COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT.	14.0

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 RETURN 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 BE 7 DAY PROGRAMMABLE AND HAVE SECURITY COVERS.
5. AHU-5 & AHU-6 RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD- SUPPLIED INTERCONNECTED WIRING.
6. ALL AHU'S SHALL HAVE A MINIMUM MERV 8 FILTERS, FULLY SYNTHETIC MEDIA WITHOUT PAPER FRAMES.
7. PROVIDE UV PROTECTIVE COATING ON ALL REFRIGERANT PIPE INSULATION EXPOSED TO SUNLIGHT
8. MINIMUM EER OF 13 ON ALL AIR CONDITIONING EQUIPMENT..

NOTE:

SMOKE DETECTORS SHALL BE PROVIDED ON THE RETURN PLENUM ON EACH FURNACE. EACH DETECTOR SHALL HAVE BOTH AN AUDIBLE AND VISUAL ALARM WITH TEST BUTTON. EACH DETECTOR SHALL SHUT-DOWN ALL UNITS ID ACTIVATED. THE INSTALLATION SHALL MEET ALL THE REQUIREMENTS OF NFPA 90A AND NFPA 72.



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ARCHITECT



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:

HVAC Schedules & Details

PROJECT NO.

LATEST REVISION:

09/14/16

DRAWN BY:

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RHP

RJH

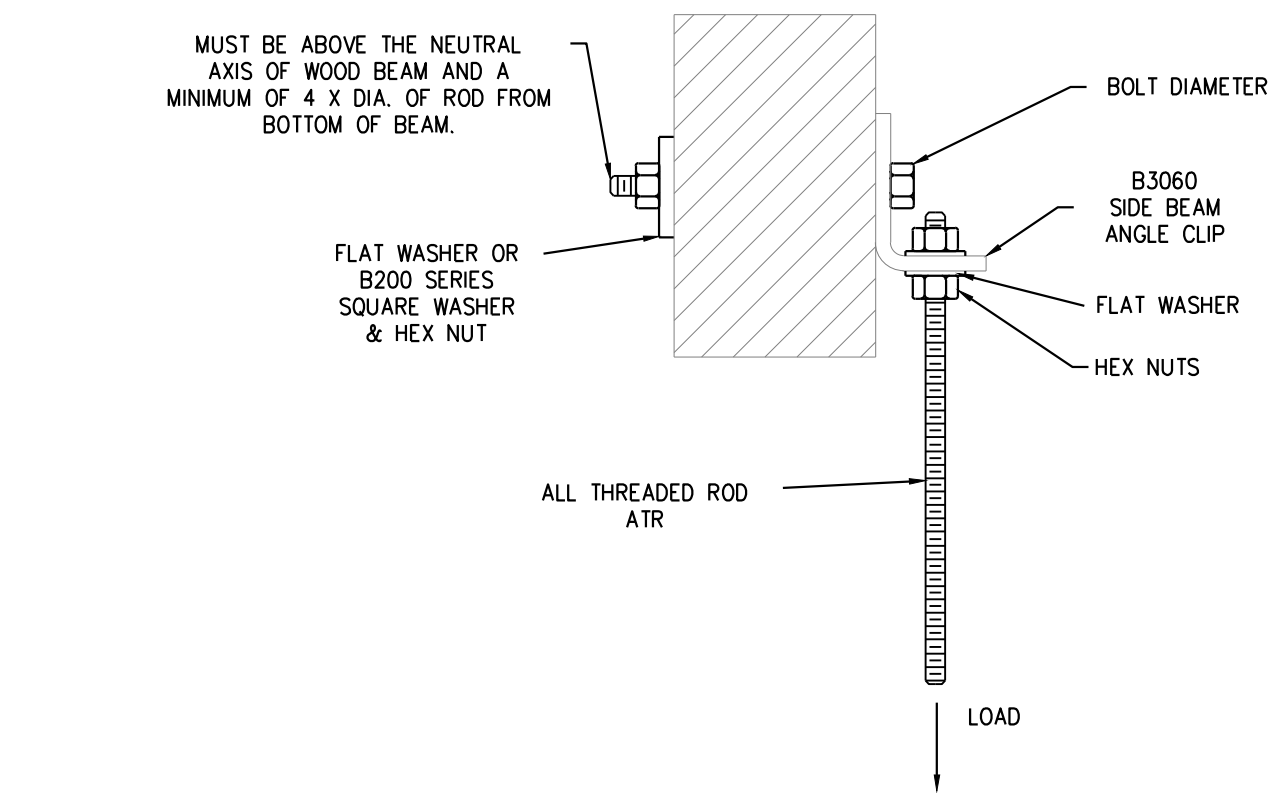
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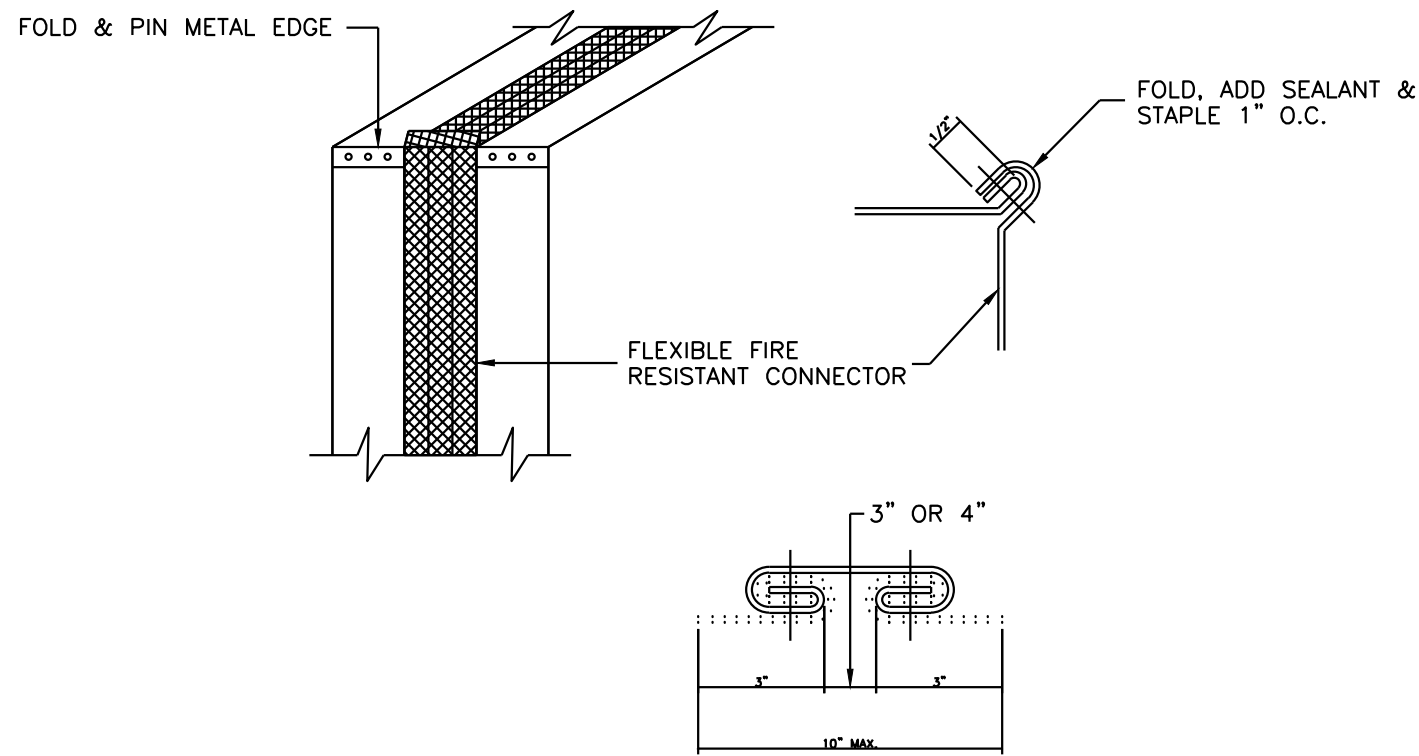
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M300

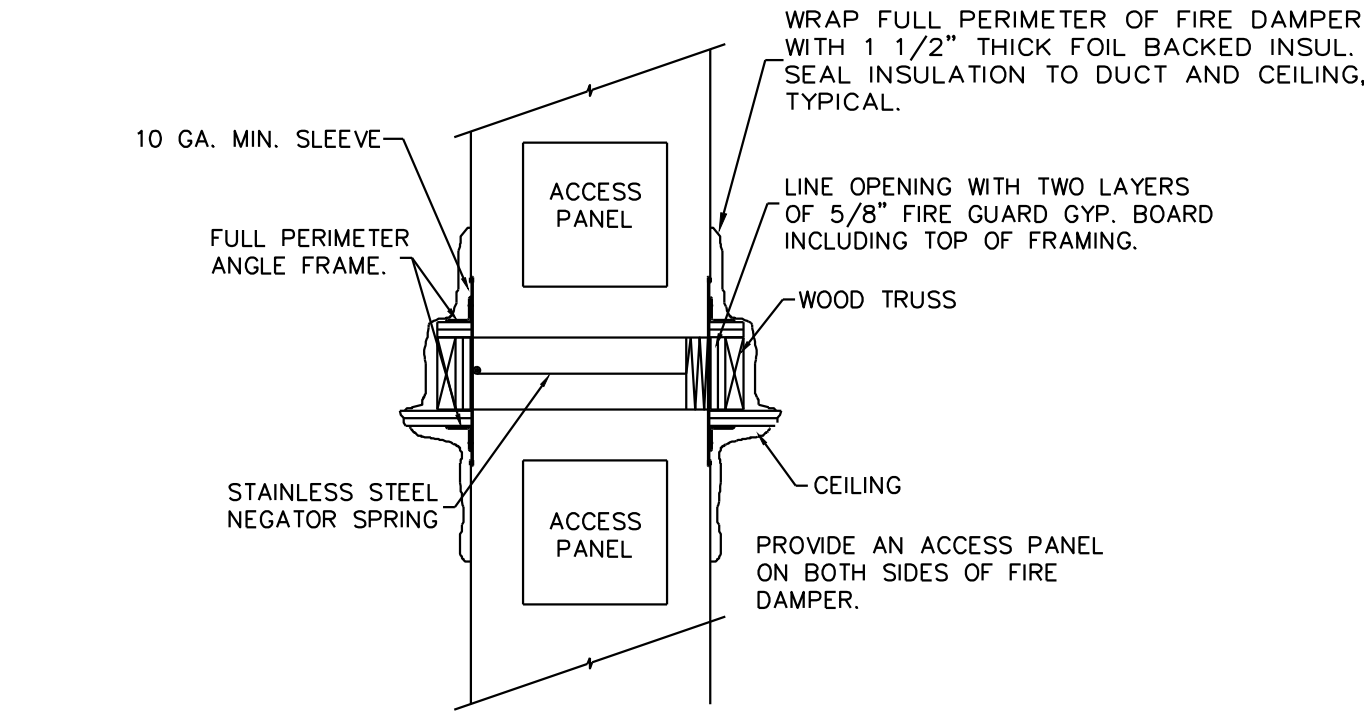
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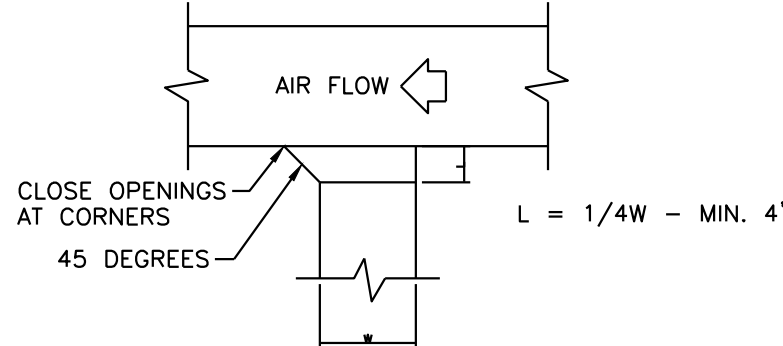
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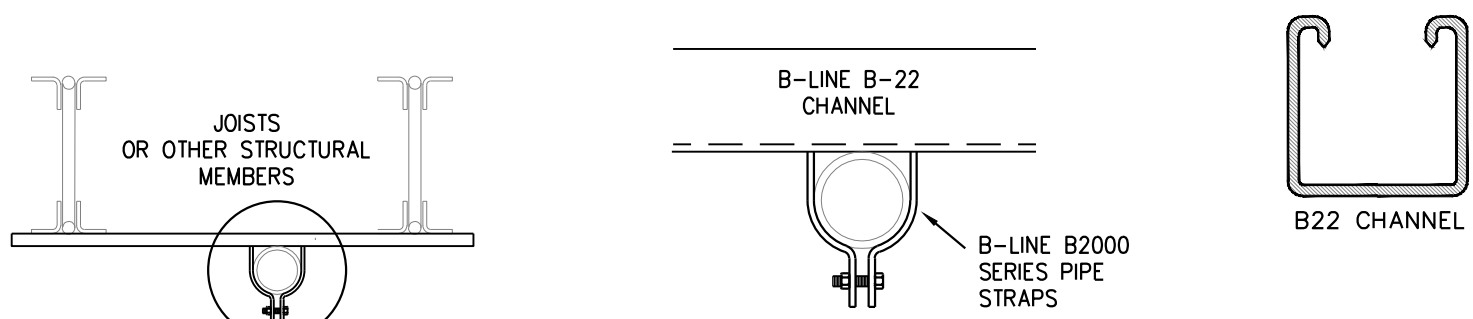
HORIZONTAL FIRE DAMPER DETAIL



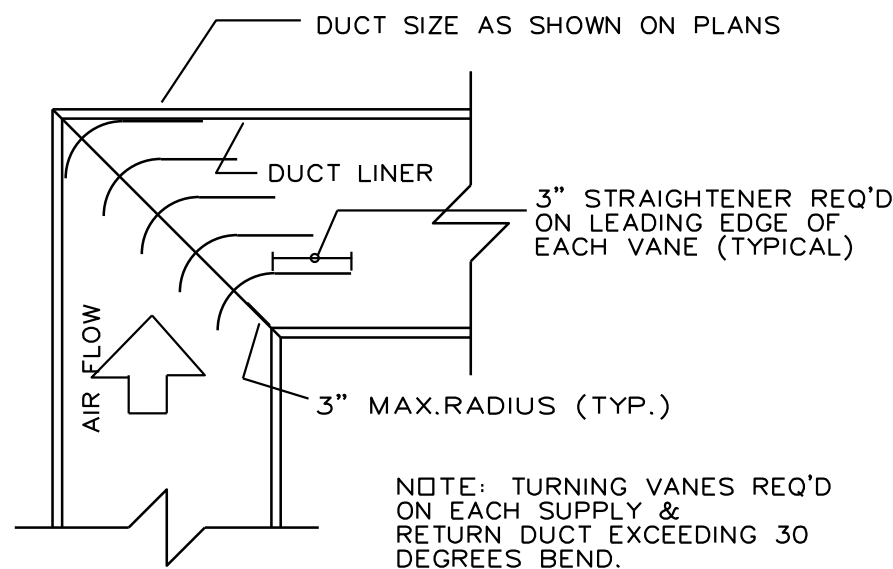
RETURN OR EXHAUST
DUCT TAP DETAILS
NO SCALE



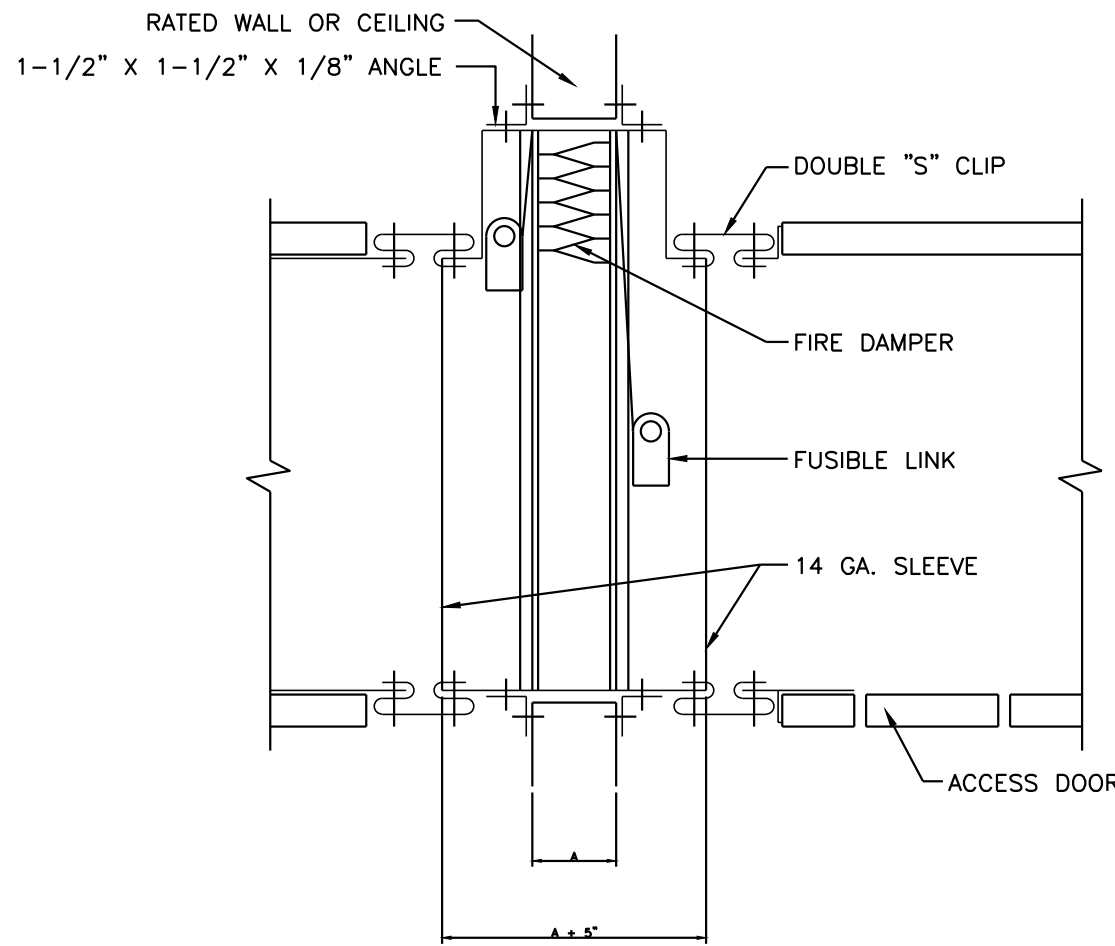
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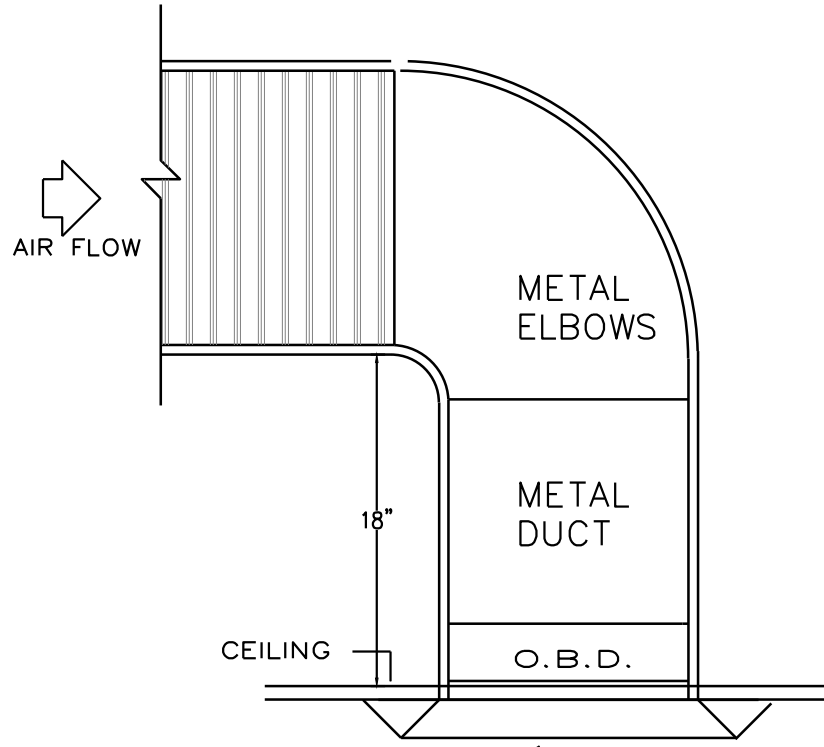
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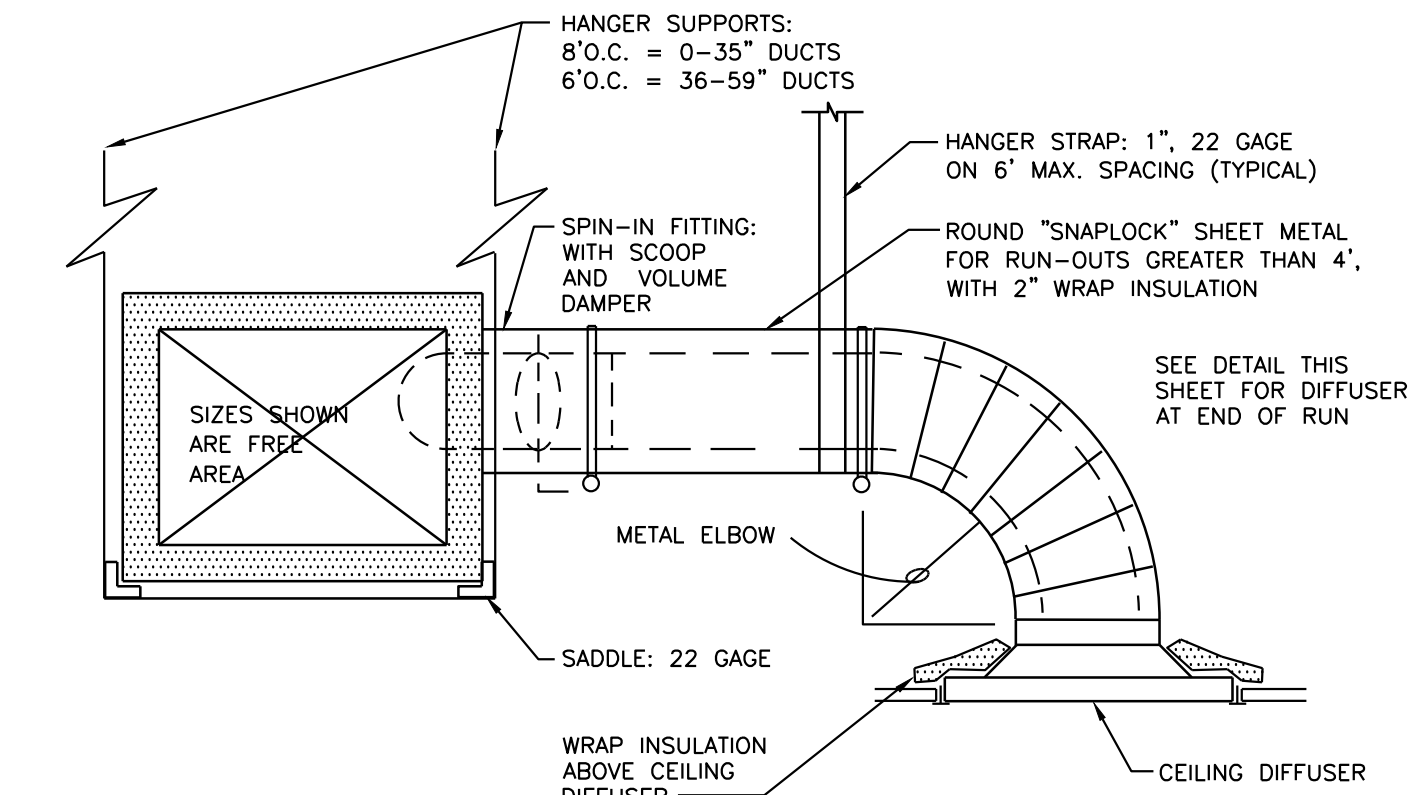
FIRE DAMPER DETAIL
NO SCALE



DIFFUSER AT END OF DUCT
NO SCALE

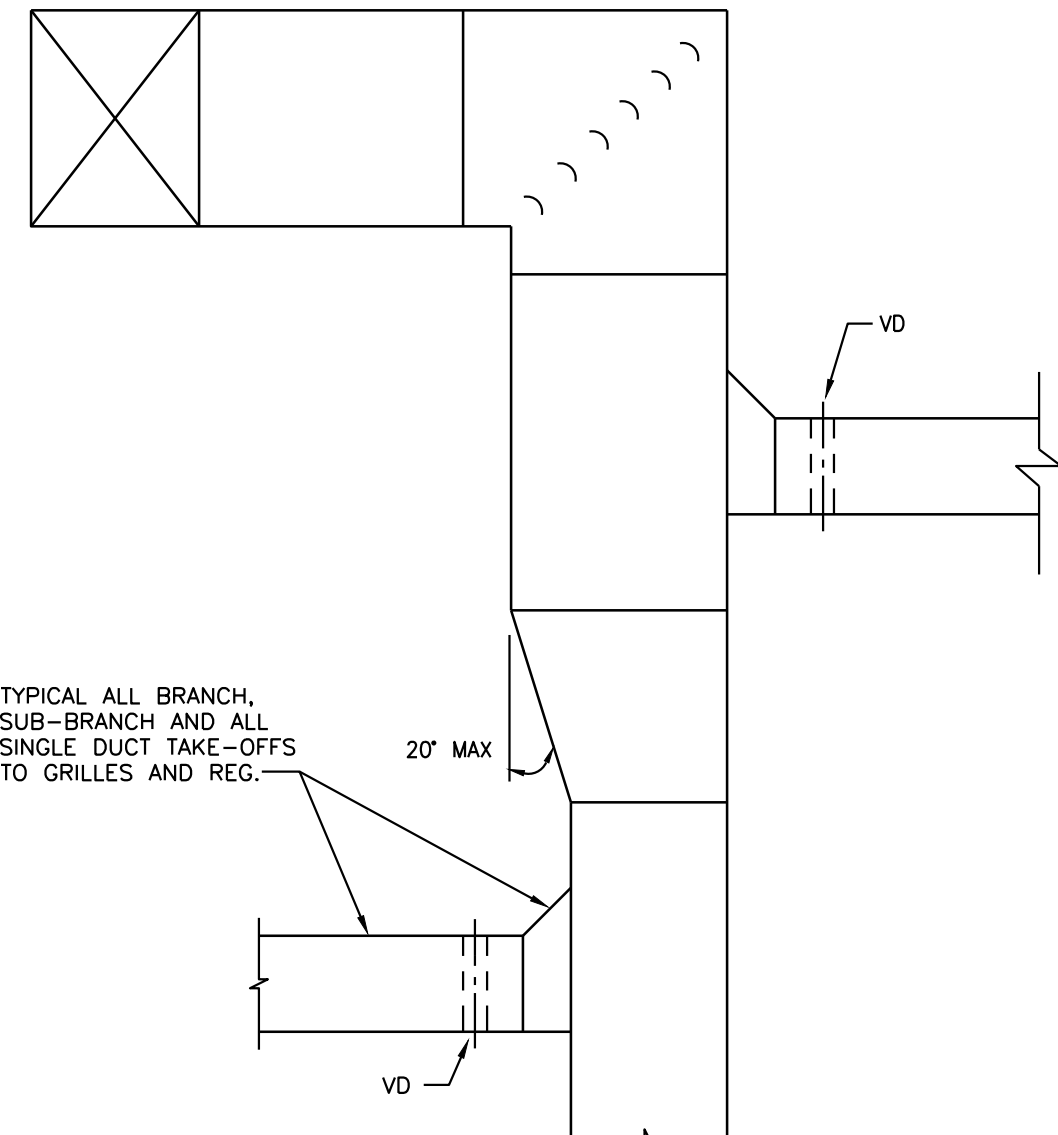


DUCT DETAIL
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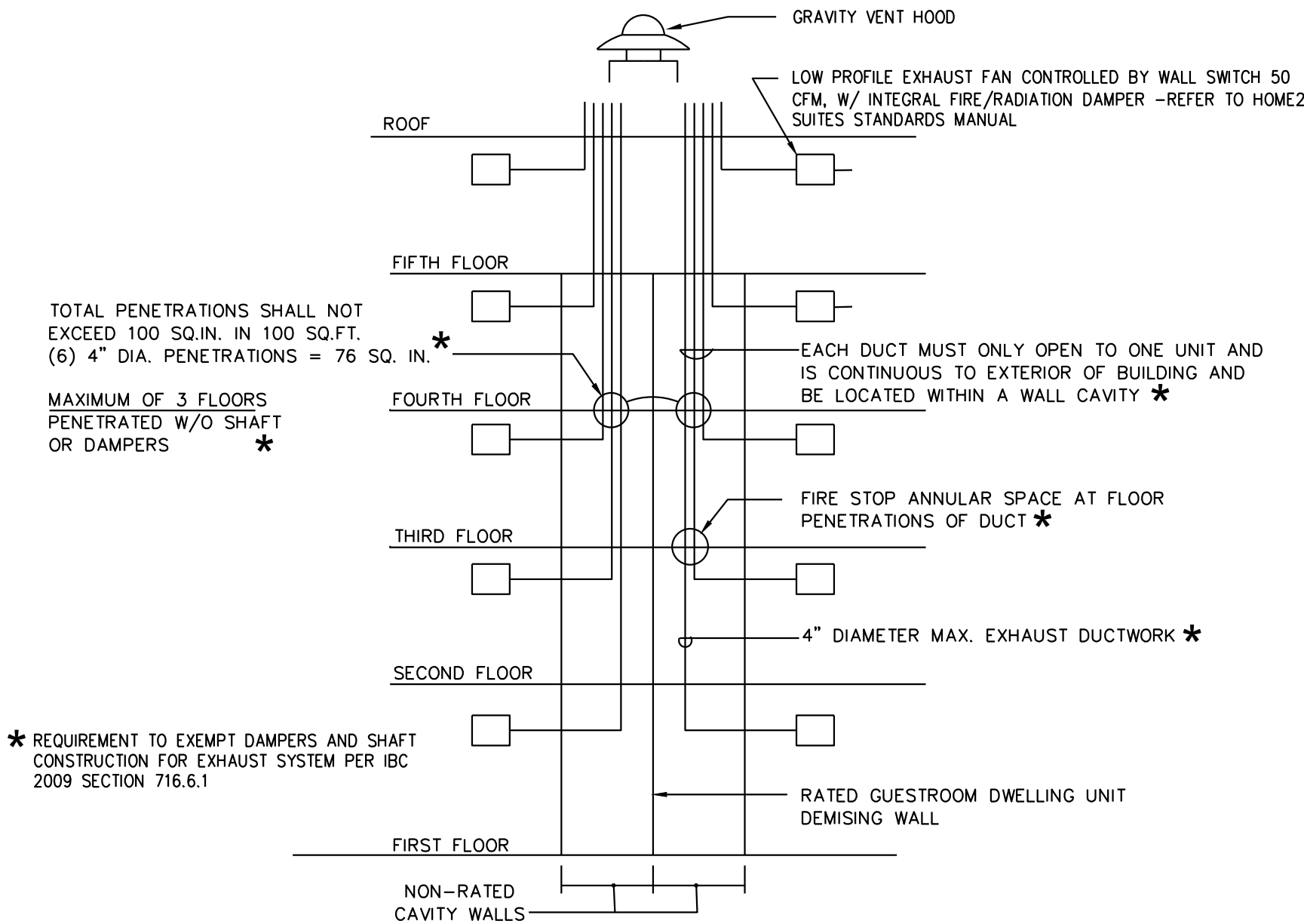


- NOTES:
1. HANGER SUPPORTS SHALL BE AS NOTED ABOVE FOR DUCTS UP TO 24", AND WITH TRAPEZE HANGERS FOR DUCTS 25" AND ABOVE.
 2. ELBOWS SHALL BE SQUARE NECK (SAME IN AND OUT DIMENSION) WITH 2" DOUBLE THICKNESS TURNING VANES.
 3. OFFSETS SHALL NOT EXCEED 30 DEGREE ANGLE, AND SHALL NOT REDUCE THE FREE AREA 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



TYPICAL ROOM EXHAUST DUCT RISER DETAIL
NO SCALE



PROJECT NAME:

HOME2
SUITES BY HILTON

Old Fannin Road Flowood, Mississippi

SHEET TITLE:

HVAC Schedules & Details

PROJECT NO.

LATEST REVISION:

DRAWN BY:

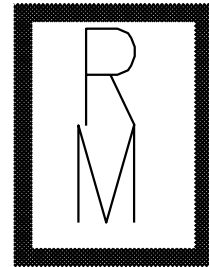
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07-17-15

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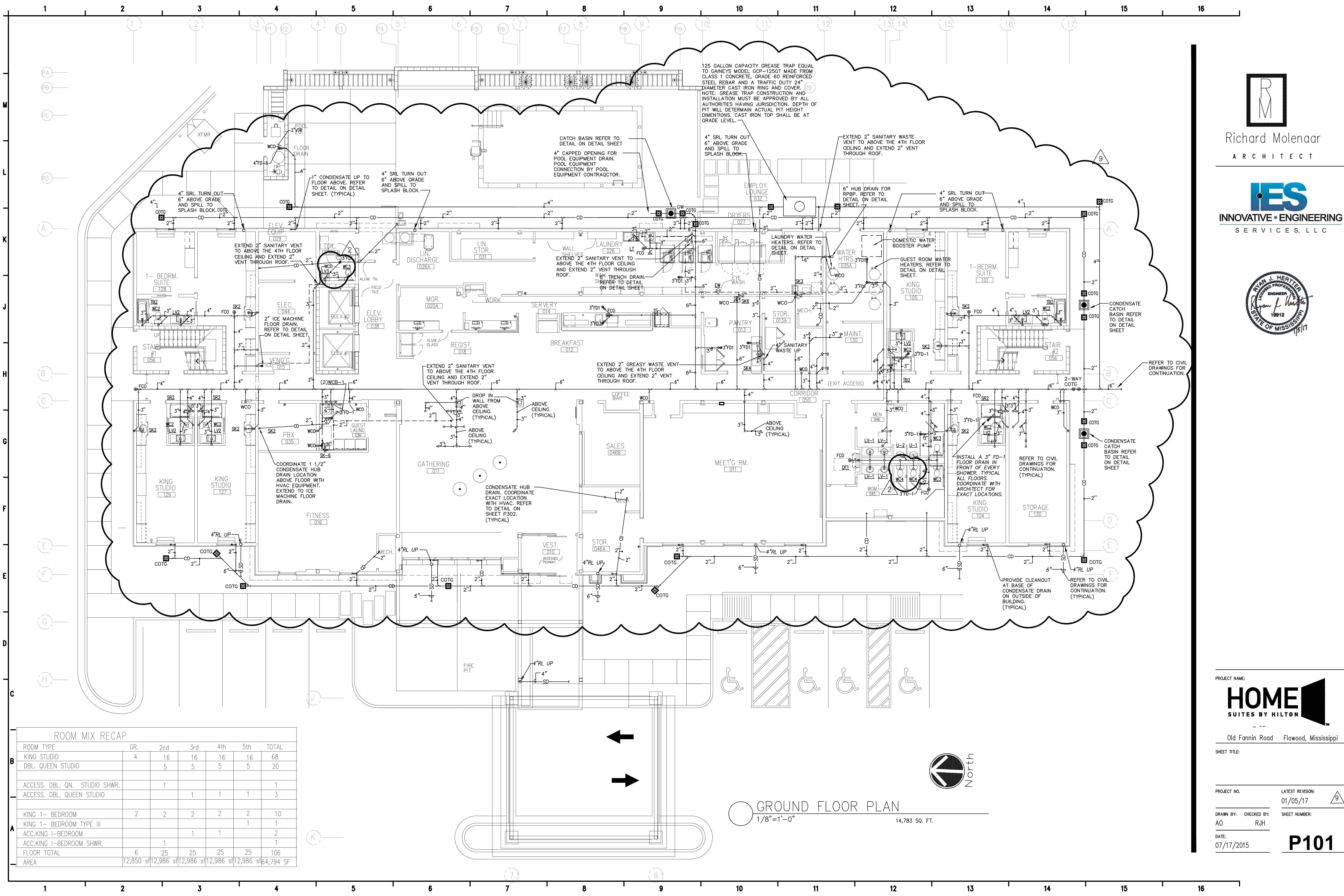
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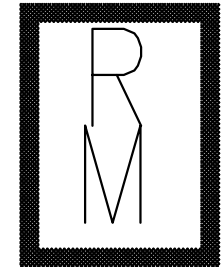
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901-379-0500
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ROOM MIX RECAP						
ROOM TYPE	GR.	2nd	3rd	4th	5th	TOTAL
KING STUDIO	4	16	16	16	16	68
DBL. QUEEN STUDIO		5	5	5	5	20
ACCESS. DBL. QN. STUDIO SHWR.		1				1
ACCESS. DBL. QUEEN STUDIO			1	1	1	3
KING 1- BEDROOM	2	2	2	2	2	10
KING 1- BEDROOM TYPE III					1	1
ACC.KING 1-BEDROOM			1	1		2
ACC.KING 1-BEDROOM SHWR.		1				1
FLOOR TOTAL	6	25	25	25	25	106
AREA	12,850 SF	12,986 SF	12,986 SF	12,986 SF	12,986 SF	64,794 SF

GROUND FLOOR PLAN
1/8"=1'-0" 14,783 SQ. FT.



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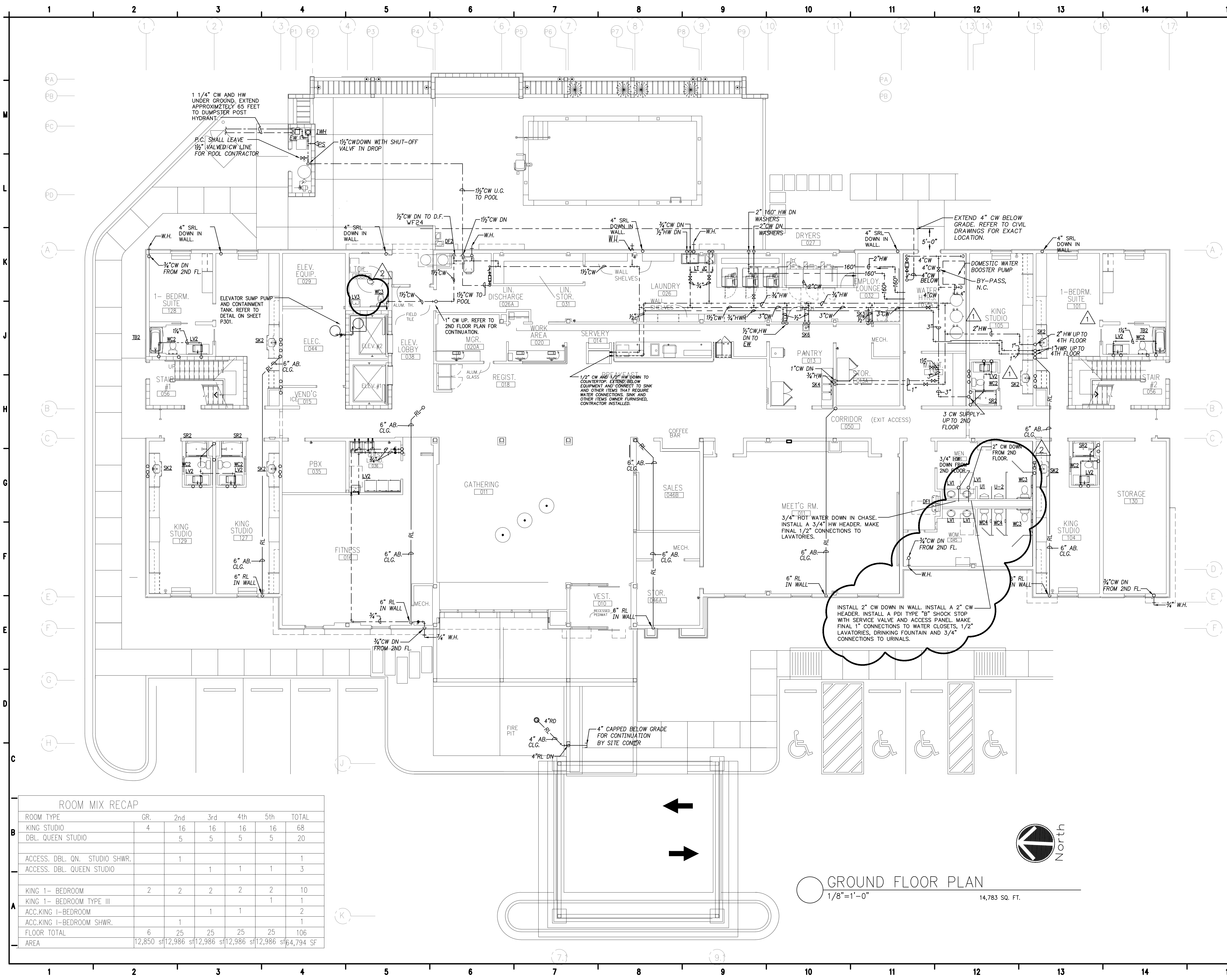


PROJECT NAME:
HOME SUITES BY HILTON
Old Fannin Road Flowood, Mississippi

SHEET TITLE:

PROJECT NO. LATEST REVISION: 01/05/17
DRAWN BY: AO CHECKED BY: RJH SHEET NUMBER:
DATE: 07/17/2015

P101



ROOM MIX RECAP						
ROOM TYPE	GR.	2nd	3rd	4th	5th	TOTAL
KING STUDIO	4	16	16	16	16	68
DBL. QUEEN STUDIO		5	5	5	5	20
ACCESS. DBL. QN. STUDIO SHWR.		1				1
ACCESS. DBL. QUEEN STUDIO			1	1	1	3
KING 1- BEDROOM	2	2	2	2	2	10
KING 1- BEDROOM TYPE III					1	1
ACC.KING 1-BEDROOM			1	1		2
ACC.KING 1-BEDROOM SHWR.		1				1
FLOOR TOTAL	6	25	25	25	25	106
AREA	12,850 sf	12,986 sf	12,986 sf	12,986 sf	12,986 sf	64,794 SF

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PROJECT NAME:

HOME2

SUITES BY HILTON

Old Fannin Road

Flowood, Mississippi

SHEET TITLE:

PROJECT NO.

LATEST REVISION:

08/16/2016

DRAWN BY:

CHECKED BY:

AO

RJH

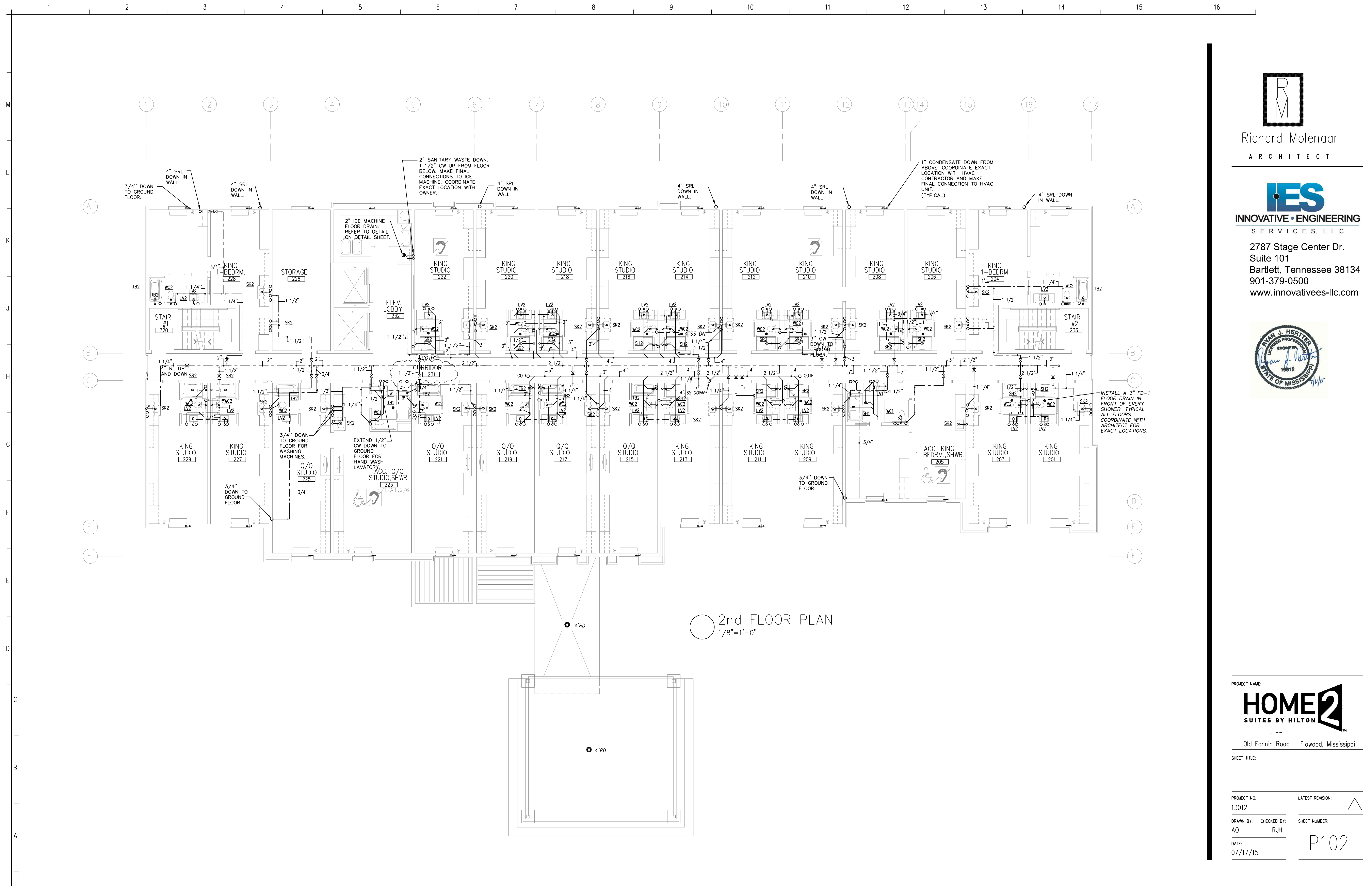
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07/17/2015

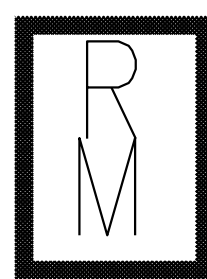
SHEET NUMBER:

P101A

GROUND FLOOR PLAN
1/8"=1'-0" 14,783 SQ. FT.



2nd FLOOR PLAN
1/8"=1'-0"



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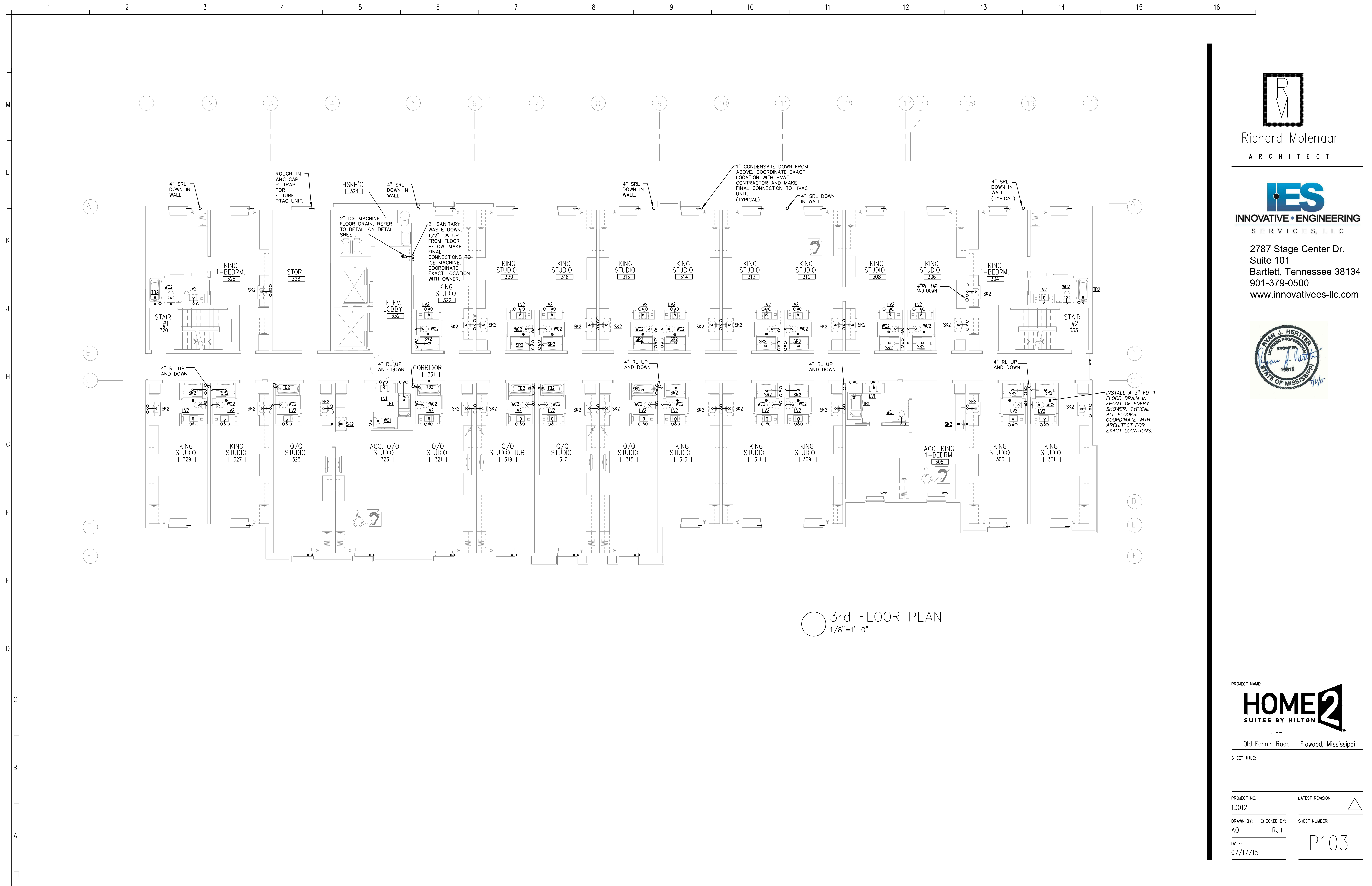
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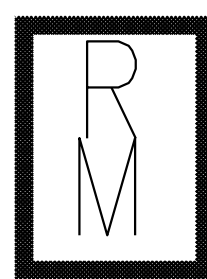
Old Fannin Road Flowood, Mississippi

SHEET TITLE:

PROJECT NO.	13012	LATEST REVISION:	△
DRAWN BY:	AO	CHECKED BY:	RJH
DATE:	07/17/15	SHEET NUMBER:	P102



3rd FLOOR PLAN
1/8"=1'-0"



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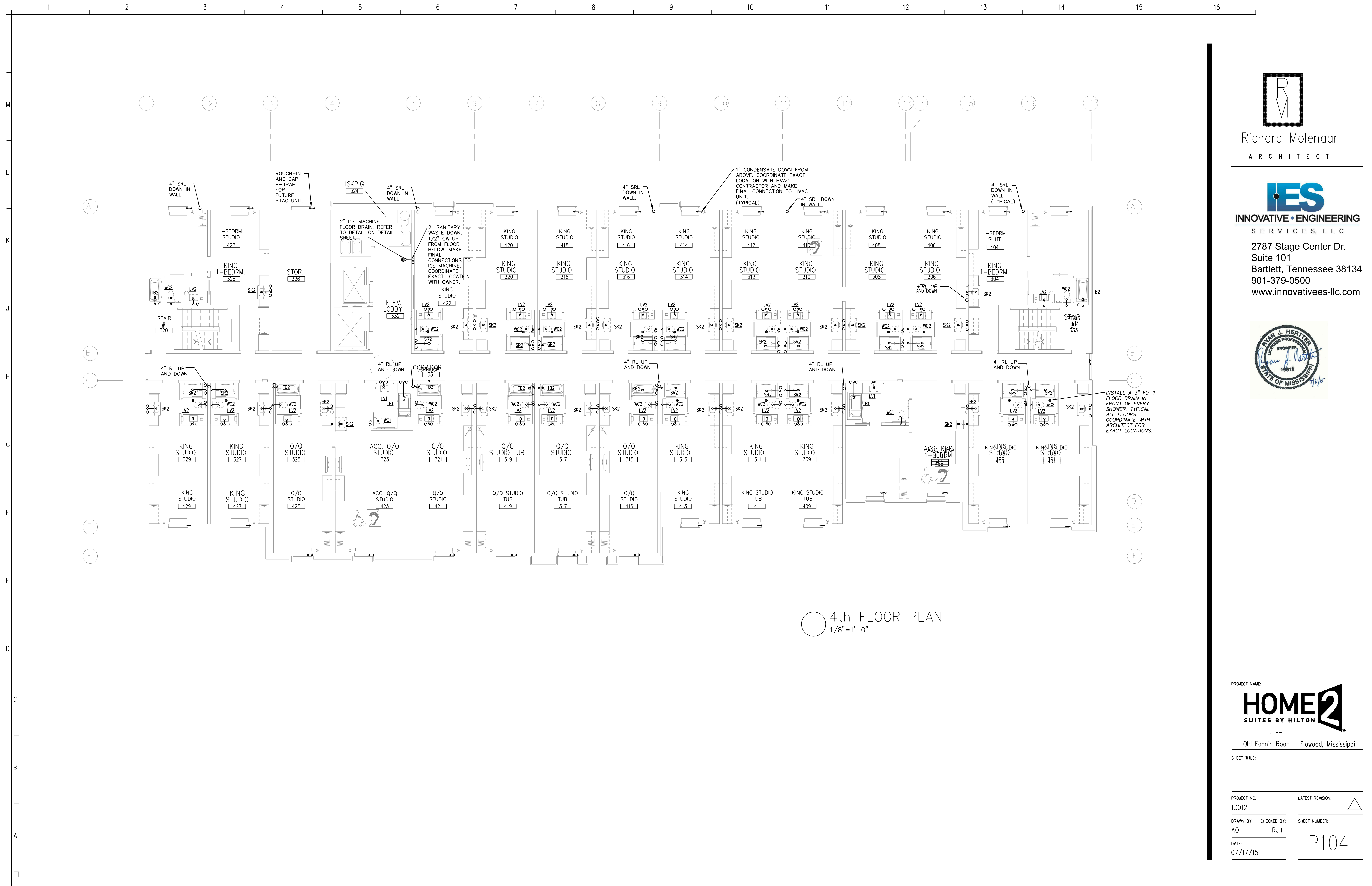
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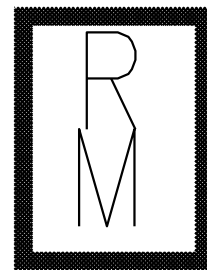
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PROJECT NO. 13012	LATEST REVISION: △
DRAWN BY: AO	CHECKED BY: RJH
DATE: 07/17/15	SHEET NUMBER: P103



4th FLOOR PLAN
1/8"=1'-0"



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Old Fannin Road Flowood, Mississippi

SHEET TITLE:

PROJECT NO.
13012

LATEST REVISION:

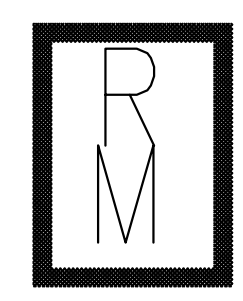
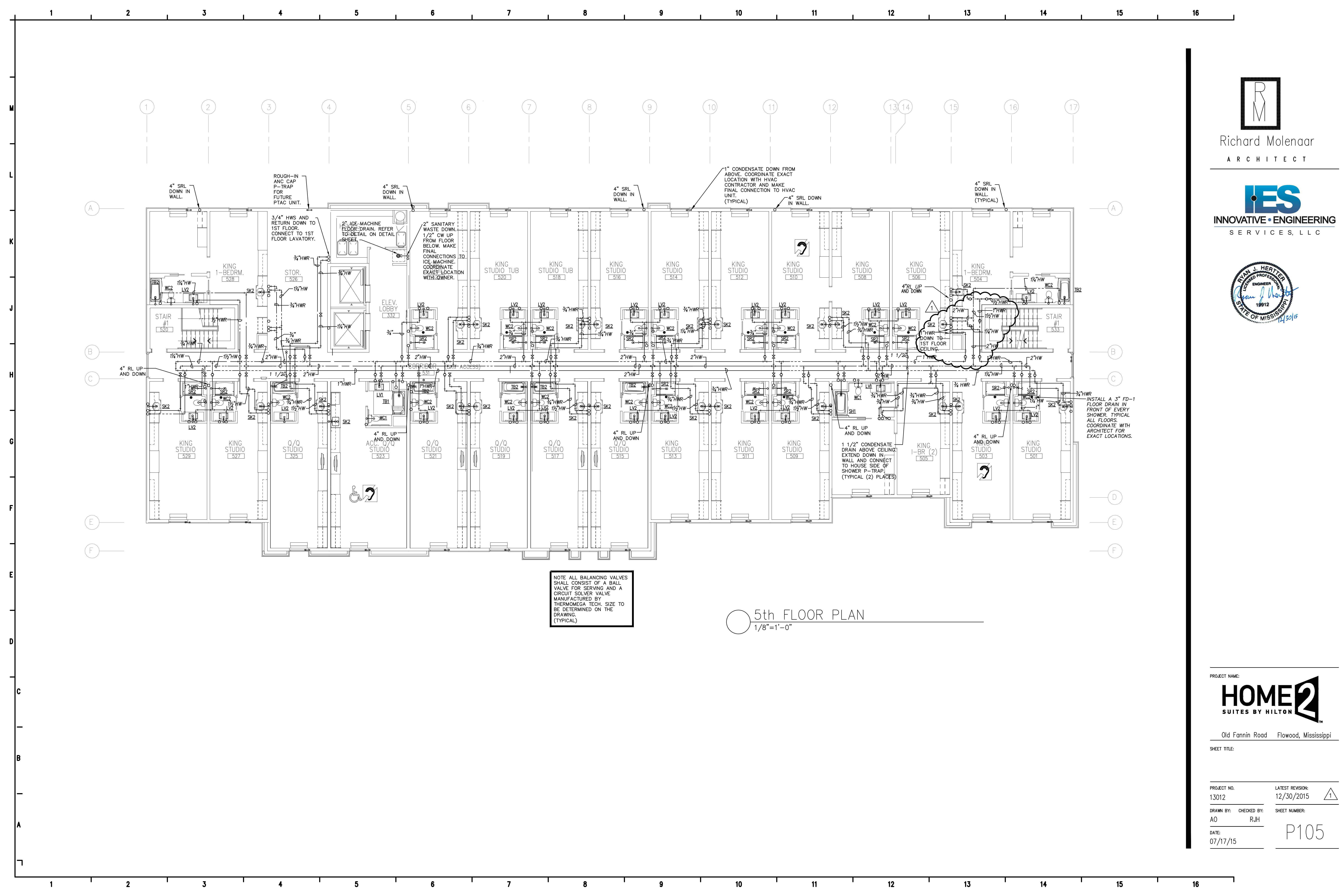
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CHECKED BY:
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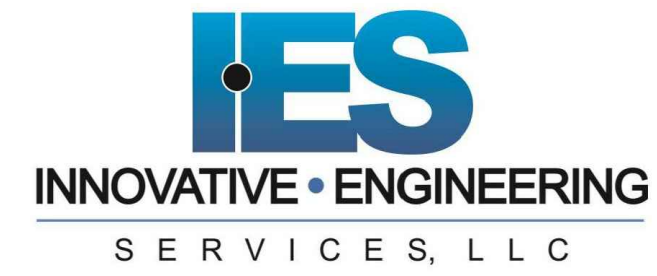
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DATE:
07/17/15

P104



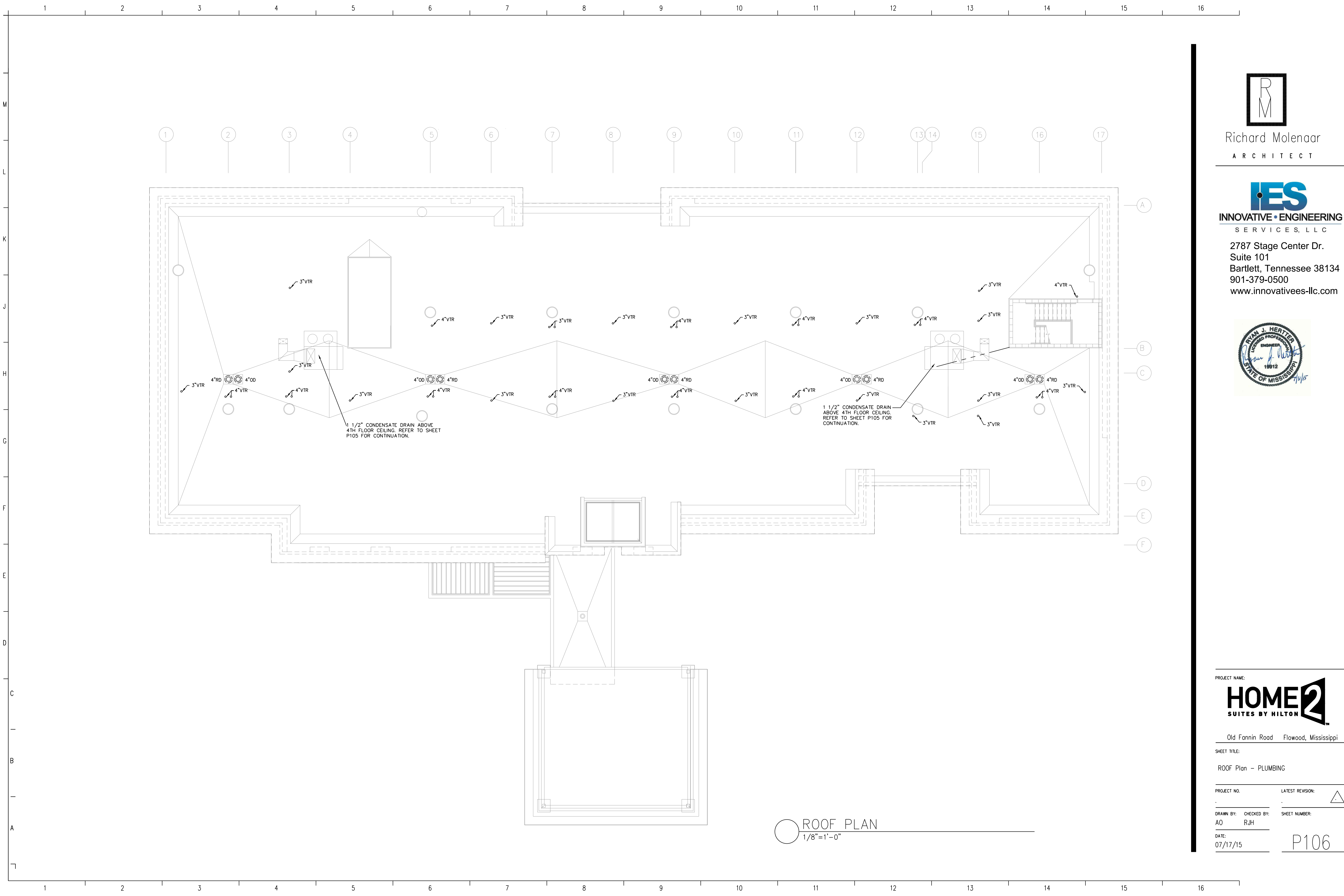
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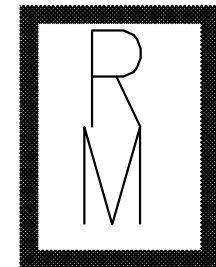
Old Fannin Road Flowood, Mississippi

SHEET TITLE:

PROJECT NO. 13012	LATEST REVISION 12/30/2015	1
DRAWN BY: AO	CHECKED BY: RJH	SHEET NUMBER: P105
DATE: 07/17/15		



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



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:

ROOF Plan – PLUMBING

PROJECT NO.

LATEST REVISION:



DRAWN BY:

CHECKED BY:

SHEET NUMBER:

A0

RJH

DATE:

07/17/15

P106

DOMESTIC WATER BOOSTER PUMP SCHEDULE

PUMP	MODEL	ELECTRICAL	FLOW	HEAD	PRV	TMPELLER	PUMP PACKAGE
BP-1	6800	10 H.P. 208/3/60	232 GPM	165 FT. H ₂ O	—	—	ARMSTRONG MODEL 6800 VARIABLE SPEED DRIVE

DESIGN ENVELOPE DOMESTIC WATER BOOSTER SYSTEM

PROVIDE AN ARMSTRONG DESIGN ENVELOPE PACKAGED BOOSTER SYSTEM INCLUDING FRAME, PUMPS, MOTORS, PRESSURE TANK, CONTROL PANEL AND PIPING. THE DESIGN ENVELOPE SHALL BE CAPABLE OF SUPPLYING 232.0 USGPM AT 165 FEET OF HEAD.

PUMPS

EACH VERTICAL MULTISTAGE (VMS) PUMP WITH PUMP CHARACTERISTICS WHICH PROVIDE RISING HEADS TO SHUT OFF, SHALL BE SUPPLIED WITH A 10 HP, ODP, 208/3/60, NEMA PREMIUM EFFICIENCY MOTOR AND AN ARMSTRONG UL TYPE-12 ENCLOSURE VARIABLE SPEED DRIVE, WHICH SHALL BE INTEGRATED WITH THE MOTOR. DRIVES SHALL NOT BE ENCLOSED WITHIN THE CONTROL PANEL.

VARIABLE SPEED DRIVES SUPPLIED SHALL HAVE THE FOLLOWING FEATURES: VVC-PWM TYPE PROVIDING NEAR UNITY DISPLACEMENT POWER FACTOR WITHOUT THE NEED FOR EXTERNAL POWER FACTOR CORRECTION CAPACITORS AT ALL LOADS AND SPEEDS, DC LINK CHOKES FOR THE REDUCTION OF MAINS BORNE HARMONIC CURRENTS, UL AND C-UL LISTED & CE MARKED SHOWING COMPLIANCE WITH BOTH THE EMC DIRECTIVE 89/336/EEC AND THE LOW VOLTAGE DIRECTIVE 72/23/EEC, RFI FILTERS INCORPORATED WITHIN THE DRIVE TO ENSURE IT MEETS THE EMISSION AND IMMUNITY REQUIREMENTS OF EN61000-3 TO THE 1ST ENVIRONMENT CLASS C1 (EN5011 UNRESTRICTED SALES CLASS B), 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.

PUMP SEQUENCING SHALL BE PER THE MANUFACTURERS RECOMMENDATIONS

PLUMBING SPECIFICATIONS

- LICENSED PLUMBING CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED BY LOCAL CODE.
- WATER SUPPLY SYSTEM AND SEWER SYSTEM SHALL BE PERMITTED AND INSPECTED BY LOCAL AUTHORITIES PRIOR TO BUILDING OCCUPANCY AND PROJECT CLOSEOUT.
- 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.
- 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.
- 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.
- WHERE WORK OF OTHER TRADES CONNECTS TO EQUIPMENT WHICH IS A PART OF THIS TRADE PROVIDE PROPER CONNECTION(S) TO SUCH EQUIPMENT.
- 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 OR DRAWINGS.
- CAREFULLY CHECK AND COORDINATE THE LOCATION AND LEVEL OF ALL PIPES, DUCTS, ETC. RUN PRELIMINARY LEVELS AND CHECK WITH ALL OTHER CONTRACTORS SO THAT CONFLICTS IN ALL LOCATIONS MAY BE AVOIDED.
- 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 PLBG. CONTRACTOR AND SHALL BE INCLUDED IN HIS BID.
- THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS ON THE JOB IN ORDER THAT THERE BE NO DELAY IN THE PROPER INSTALLATION AND COMPLETION OF SEVERAL PARTS 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 JOB, 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.
- ALL PIPE, TUBE, AND FITTINGS SHALL COMPLY WITH LATEST ISSUED CODE AND STANDARDS, UNLESS INDICATED OTHERWISE BY LOCAL CODES.
- WELDING PROCEDURES, WELDERS, AND OPERATORS SHOULD 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.
- CERTIFY WELDING OF PIPING WORK USING STANDARD PROCEDURE SPECIFICATIONS BY, AND WELDERS TESTED UNDER SUPERVISION OF, NATIONAL CERTIFIED PIPE WELDING BUREAU (NCPWB).
- WHERE PLASTIC PIPING IS INDICATED TO TRANSPORT POTABLE WATER, PROVIDE PIPES AND PIPE FITTINGS BEARING APPROVAL LABEL BY NATIONAL SANITATION FOUNDATION (NSF).
- COPPER TUBE AND FITTINGS
 - 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.
 - CAST COPPER SOLDER JOINT FITTINGS: ANSI B16.18.
 - WROUGHT COPPER SOLDER JOINT FITTINGS: ANSI B16.22.
- BRASS PIPE FITTINGS
 - RED BRASS PIPE: ASTM B 43 IN REGULAR WEIGHT.
 - CAST BRONZE THREADED FITTINGS: ANSI B16.15, CLASS 150, OR 250, AS REQUIRED.
 - CAST BRONZE THREADED FITTINGS: ASTM B 61.
- PLASTIC PIPES AND PIPE FITTINGS
 - POLYVINYL CHLORIDE PIPE (PVC): ASTM D 1785, IN SCHEDULE WEIGHT, AS INDICATED ON THE DRAWINGS.
 - POLYVINYL CHLORIDE WATER PIPE (PVC): AWWA C 900 IN
 - POLYVINYL CHLORIDE SEWER PIPE (PVC): ASTM D 2729.
 - POLYVINYL CHLORIDE DRAIN, WASTE, AND VENT PIPE (PVC-DWV): ASTM D 2665.
 - POLYVINYL CHLORIDE TYPE PSM SEWER PIPE: ASTM D 3034.
 - PVC FITTINGS:
 - SCHEDULE 40 SOCKET: ASTM D 2466
 - SCHEDULE 80 SOCKET: ASTM D 2467
 - SCHEDULE 80 THREADED: ASTM D 2464
 - DWV SOCKET: ASTM D 2665
 - SEWER SOCKET: ASTM D 2729
 - SOLVENT CEMENT: ASTM D 2564
 - SOLVENT CEMENT (TO JOIN PVC TO ABS): ASTM D 3138

DOMESTIC HW CIRCULATOR PUMP SCHEDULE

MARK	GPM	HEAD	MOTOR	REMARKS
CP-1	10 GPM	25 FT. H ₂ O	1/6 H.P. 115/1/60	GRUNDFOS MODEL #UP-26-99BF

PLUMBING FIXTURE SCHEDULE (CONT.)

MARK	FIXTURE	SOIL	WASTE	VENT	H.W.	C.W.	REMARKS
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 WITH HW CONNECTION AND DRAIN CONNECTION AS REQUIRED BY LOCAL CODES.
WH	INSTANTANEOUS WATER HEATER	—	—	—	1/2"	1/2"	EEMAX #EX012240T, 120 VOLT, 11.5 KW, 48 AMPS, 31° TEMP. RISE @ 2.5 GPM.

* 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 PIPING AT FIXTURES SHALL HAVE CHROME FINISH.

- 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.
- INSULATE ALL TRAPS AND SUPPLIES ON HANDICAPPED LAVATORIES WITH TRUEBOR, INC. MODEL #102W OR #105W.
- MOUNT ALL HANDICAPPED FIXTURES AT HEIGHT AS REQUIRED BY CODES & PER ARCHITECTURAL DETAILS, ADVISE ARCHITECT IF CONFLICTS OCCUR BETWEEN CODES AND PLANS.
- VERIFY CODE SPACE REQUIREMENTS PRIOR TO INSTALLATION OF PIPING AND FIXTURES.
- ALL FIXTURES ARE WHITE OR STAINLESS STEEL, UNLESS NOTED OTHERWISE.
- VERIFY THAT ALL SINKS WILL FIT INTO COUNTERTOP SPACE PRIOR TO ORDERING SAME.
- 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.
- WATER SUPPLY FOR TANK WATER CLOSETS SHALL BE ROUGHED-IN AT 10" A.F.F.
- MOUNT THE BOTTOM OF THE HAND HELD SHOWER SLIDE BARS AT 42" ABOVE FLOOR.
- ALL SHOWER AND TUB VALVES SHALL HAVE BUILT-IN STOPS.
- PROVIDE HOT AND COLD WATER INDICATORS AT ALL FAUCETS, (BATHTUBS, SINKS ETC).
- ALL FIXTURES SHALL HAVE INDIVIDUAL SHUT OFF VALVES.
- ALL SUBSTITUTIONS SHALL BE SUBMITTED TO HOME2 SUITES PRIOR TO ORDERING, FOR APPROVAL.
- THE MAXIMUM WATER TEMPERATURE DELIVERED TO THE GUEST ROOMS, SHALL NOT EXCEED 110° F.
- THE TEMPERATURE LIMIT STOP SCREW ON BATHTUBS, SHOWERS AND LAVATORY FAUCETS, SHALL BE SET AT A MAXIMUM TEMPERATURE OF 110° F.
- MOEN FAUCETS SHALL BE CONSIDERED AS EQUAL, IF OWNER AND HOME2 APPROVE SAME.

ROOF DRAIN SCHEDULE

MARK	BODY	DOME OR STRAINER	REMARKS
3RD #1	C.I.	CAST IRON DOME WITH FLOW CONTROL ASSEMBLY	J.R. SMITH #1085-R-C-WR2 RAINTRNOL ROOF DRAIN WITH SLUMP RECEIVER, AND UNDER DECK CLAP WITH TWO WEIR OPENING PER DRAIN

GAS FIRED WATER HEATER SCHEDULE

MARK	TYPE	STORAGE	RECOVERY	BTU/HR	REMARKS
* GWH-1 THRU GWH-6	GAS-FIRED POWER BURNER SEALED COMBUSTION SYSTEM	100 GALLON EACH	270 GPM @ 110°F RISE	NATURAL GAS 199,000 BTU/HR	STATE SUS100-199NE WITH 3" PVC AIR INTAKE, 3" EXHAUST THROUGH EXTERIOR WALL.

* INSTALL A TRI-FLO MANIFOLD KIT PER MANUFACTURERS WRITTEN INSTRUCTIONS. (GAS PIPING BY HVAC AND ELECTRICAL CONNECTIONS BY ELECTRICAL).
ET-1 EQUAL TO WATTS DETA 100 ASME THERMAL EXPANSION TANK.
WX-1 EQUAL TO LEONARD 2" HIGH-LOW MIXING VALVE WITH A MINIMUM FLOW OF 1/2 GPM.

FLOOR DRAIN SCHEDULE

MARK	BODY	GRATE OR STRAINER	REMARKS
FD #1	C.I.	7" DIA. NICKEL BRONZE	J.R. SMITH #3510-F1107NB-PO50 WITH TRAP PRIMER CONNECTION
FD #2	C.I.	7" DIA. NICKEL BRONZE	J.R. SMITH #2005-A07NB-PO50 WITH TRAP PRIMER CONNECTION
FD #3	C.I.	7" DIA. NICKEL BRONZE STRAINER WITH 4" FUNNEL	J.R. SMITH #3510-F1107NB-PO50 WITH 4" FUNNEL DRAIN
FD #4	C.I.	7" DIA. NICKEL BRONZE RECESSED ANTI-FLOOD RIM	J.R. SMITH #2005-F37-NB
FD #5	C.I.	8" C.I. TRACTOR GRATE WITH SEDIMENT BUCKET	J.R. SMITH #2120-B
FD #6	C.I.	STAINLESS STEEL SCREEN DOME	J.R. SMITH #2671-G4

NOTE: FURNISH ALL FLOOR DRAINS WITH DEEP SEAL TRAPS.

PLUMBING HYDRANT SCHEDULE

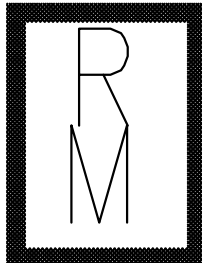
MARK	DESCRIPTION	SOIL	WASTE	VENT	CW	HW	REMARKS
WH	NON FREEZE HOSE BIBB	—	—	—	3/4"	—	ZURN NO. Z-1310, WITH INTEGRAL VACUUM BREAKER, SELF DRAINING, LOOSE KEY OPERATING HANDLE.

TRENCHING AND BACKFILLING:

- TRENCHES SHALL HAVE 12" MINIMUM AND 24" MAXIMUM CLEARANCE ON ALL SIDES.
- UNIFORM SLOPE SO THAT THE PIPING IS UNIFORMLY SUPPORTED THROUGHOUT ITS ENTIRE LENGTH OF UNDISTURBED SOIL. WHEN NECESSARY, TRENCHES SHALL BE UNDERCUT TO A DEPTH REQUIRED TO REACH STABLE SOIL AND FILLED TO THE FLOW LINE DEPTH WITH COMPACTED SAND.
- MATERIAL AND CLOS. BACKFILL AND TAMP IN 4" LAYERS TO A HEIGHT AT LEAST 2" ABOVE PIPE. THE REMAINDER OF BACKFILL SHALL BE BROUGHT TO GRADE AND COMPACTED TO DENSITY OF SURROUNDING SOIL.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	SOIL	WASTE	VENT	H.W.	C.W.	REMARKS
WC1	HANDICAP WATER CLOSET GUEST ROOM	3"	—	2"	—	1/2"	STERLING #402088 "ROCKTON" TWO PIECE ELONGATED DUAL FLUSH WATER CLOSET ADA COMPLIANT, 1.1 GPF, BEMIS #1900SS, STAINLESS STEEL BOLTS, SELF SUSTAINING HINGE, ELONGATED CLOSED SEAT, WITH COVER, CLOSET BOLTS, AND COMPRESSION STOPS.
WC2	WATER CLOSET	3"	—	2"	—	1/2"	STERLING #402027 "ROCKTON" TWO PIECE ELONGATED DUAL FLUSH WATER CLOSET 1.6 GPF, BEMIS #1900SS, SELF SUSTAINING ELONGATED SEAT AND COVER, CLOSET BOLTS AND COMPRESSION STOPS.
WC3	HANDICAP WATER CLOSET PUBLIC AREA	3"	—	2"	—	1"	KOHLER K-4405, ADA, ELONGATED FLOOR MOUNTED WATER CLOSET, K-13517 MANUAL, 1.28 GPF, WC FLUSHOMETER FLUSH VALVE BEMIS 9400SSCT, SELF SUSTAINING STAINLESS STEEL CHECK HINGE, OPEN FRONT ELONGATED SEAT, NO COVER, CLOSET BOLTS AND COMPRESSION STOPS.
WC4	WATER CLOSET PUBLIC AREA	3"	—	2"	—	1"	KOHLER K-4406, ELONGATED FLOOR MOUNTED WATER CLOSET, K-13517 MANUAL, 1.28 GPF, WC FLUSHOMETER FLUSH VALVE BEMIS 9400SSCT, SELF SUSTAINING STAINLESS STEEL CHECK HINGE, OPEN FRONT ELONGATED SEAT, NO COVER, CLOSET BOLTS AND COMPRESSION STOPS.
U-1	URINAL	2"	—	2"	3/4"	—	KOHLER K-4989 T BOWL, ZURN Z-6003-WS-1 (1.0 GPF) FLUSH VALVE, ZURN MODEL NO. Z-1222 CARRIER.
U-2	URINAL HANDICAPPED	2"	—	2"	3/4"	—	KOHLER K-4989 T BOWL, ZURN Z-6003-WS-1 (1.0 GPF) FLUSH VALVE, ZURN MODEL NO. Z-1222 CARRIER, MOUNT AT HANDICAPPED HEIGHT.
* IB1	HANDICAP BATHTUB GUEST ROOM	—	1 1/2"	1 1/2"	1/2"	1/2"	STERLING #710401112, "PERFORMA" 60"x29", HIGH GLOSS VIKRELL TUB ONLY, WITH TILTING FLANGE AND FRONT APRON, #104239BN ROTHBURY SHOWER HEAD, MOEN #12315BN 8" SHOWER ARM AND FLANGE, MOEN #712131BN SINGLE LEVER VALVE, TEMP. SET AT 110°F. #3853 DIVERTER TUB SPOUT, #62370 ROUGH-IN VALVE, #74171BN DIVERTER VALVE TRIM, #3372 TRANSFER VALVE, A730ST BRACKET, A725BN DROP ELBOW #A726ST HAND HELD SHOWER HOSE, #128875BN HAND HELD SHOWER HEAD, LIFT & TURN WASTE CONNECTION, BRUSHED NICKEL TRIM.
* IB2	BATHTUB GUEST ROOM	—	1 1/2"	1 1/2"	1/2"	1/2"	STERLING #710401112, "PERFORMA" 60"x29", HIGH GLOSS VIKRELL TUB ONLY, #104239BN ROTHBURY SHOWER HEAD, MOEN #12315BN 8" SHOWER ARM AND FLANGE, MOEN #712131BN SINGLE LEVER VALVE, TEMP. SET AT 110°F. #3853 DIVERTER TUB SPOUT, #62370 ROUGH-IN VALVE, 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 1/2 X15 1/2 UNDERMOUNT RECTANGULAR VITREOUS CHINA LAVATORY MODEL #6400BN EVA SINGLE LEVER, BRUSHED NICKEL FAUCET, ASSE 1070 THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV 1/2", SELECTABLE TEMPERATURE SET AT 110°F. COMPRESSION STOPS, 1 1/2" P-TRAP TRUEBOR#102W ADA INSULATION KIT, IN GUEST ROOMS WITH FLOOR DRAINS IN TOILET AREA, FURNISH P-TRAP WITH PRIMER CONNECTION AND 2" PRIMER LINE TO FLOOR DRAIN. OMNI 1/2 GPM OR EQUAL FLOW RESTRICTOR.
LV2	LAVATORY GUEST ROOM	—	1 1/4"	1 1/2"	1/2"	1/2"	LENOVA #PU-01-W, 19 1/2 X15 1/2 UNDERMOUNT RECTANGULAR VITREOUS CHINA LAVATORY MODEL #6400BN EVA SINGLE LEVER, BRUSHED NICKEL FAUCET, ASSE 1070 THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV 1/2", SELECTABLE TEMPERATURE SET AT 110°F. COMPRESSION STOPS, 1 1/2" P-TRAP.
LV3	HANDICAP WALL HUNG LAVATORY	—	1 1/4"	1 1/2"	1/2"	1/2"	KOHLER #K102154 BN, 20x18 WALL HUNG ADA APPROVED LAVATORY AND CHAIR CARRIER, K-2084, K-8998-CP KOHLER "FORTE" SINGLE LEVER BRUSHED NICKEL FAUCET, ASSE 1070 THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV THERMOSTATIC MIXING VALVE, 1/2", SELECTABLE TEMPERATURE SET TO 110°F. OUTLET TEMPERATURE P-TRAP AND TRUEBOR ADA INSULATION KIT. OMNI 1/2 GPM OR EQUAL FLOW RESTRICTOR.
* SR1	HANDICAP SHOWER STALL	—	2"	1 1/2"	1/2"	1/2"	#104239BN ROTHBURY SHOWER HEAD, BRUSHED NICKEL MOEN #12131BN SHOWER VALVE #3853 DIVERTER TUN SPOUT #62370 POSI-TEMP VALVE #14171BN DIVERTER VALVE TRIM #3372 TRANSFER VALVE #A726ST HAND HELD SHOWER HOSE AND MOEN #128875 BN HAND HELD SHOWER UNIT. TEMP. SET AT 110°F.
* SR2	SHOWER UNIT	—	2"	1 1/2"	1/2"	1/2"	STERLING #72260100 "ACCORD" 48"x36" FOUR PIECE HOGH GLOSS VIKRELL SHOWER WITH SIMULATED TILE BACK WALL SET, PVC SHOWER DRAIN, BRUSHED NICKEL MOEN #104239BN 8" SHOWER ARM WITH FLANGE, MOEN #12131 SINGLE LEVER VALVE AND #62370 POSI-TEMP ROUGH-IN VALVE. TEMP. SET AT 110°F.
SK1	HANDICAP KITCHEN SINK GUEST ROOM	—	1 1/2"	1 1/2"	1/2"	1/2"	ELKAY #ELUHAD21154SPD UNDERMOUNT STAINLESS STEEL ADA SINK, MOEN #7423 SINGLE LEVER KITCHEN FAUCET IN BRUSHED NICKEL TO MATCH BATH FIXTURE FAUCETS. ASSE 1070 THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV THERMOSTATIC MIXING VALVE, 1/2", SELECTABLE TEMPERATURE SET TO 110°F. OUTLET TEMPERATURE COMPRESSION STOPS, P-TRAP, AND WHIRLAWAY #9191PC 3/4 HP DISPOSAL UNIT. OMNI 1/2 GPM OR EQUAL FLOW RESTRICTOR.
SK2	KITCHEN SINK GUEST ROOM	—	1 1/2"	1 1/2"	1/2"	1/2"	KOHLER #K-3182 "SPRINGDALE" 16"x20"x8" UNDERMOUNT SS SINK, MOEN #7423 SINGLE LEVER KITCHEN FAUCET IN BRUSHED NICKEL TO MATCH BATH FIXTURE FAUCETS. ASSE 1070 THERMOSTATIC MIXING VALVE, 1/2", SELECTABLE TEMPERATURE SET TO 110°F. OUTLET TEMPERATURE COMPRESSION STOPS, 1 1/2" P-TRAP AND WHIRLAWAY #9191PC 3/4 HP DISPOSAL UNIT. OMNI 1/2 GPM OR EQUAL FLOW RESTRICTOR.
SK3	BREAK ROOM KITCHEN SINK	—	1 1/2"	1 1/2"	1/2"	1/2"	STERLING #JUL1515, 15"x15" UNDERMOUNT SS SINK, KOHLER BRUSHED NICKEL #K-15172-XP-CP SINK FAUCET, K-8801-CP BASKET STRAINER, ASSE 1070 THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV THERMOSTATIC MIXING VALVE, 1/2", SELECTABLE TEMPERATURE SET TO 110°F. OUTLET TEMPERATURE COMPRESSION STOPS, 1 1/2" P-TRAP AND WHIRLAWAY #9191PC 3/4 HP DISPOSAL UNIT. OMNI 1/2 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	KITCHEN SINK BY OWNER	—	1 1/2"	1 1/2"	1/2"	1/2"	KITCHEN SINK & FAUCETS PROVIDED BY OWNER, CONTRACTOR SHALL INSTALL SINK AND FAUCET ASSE 1070 THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV THERMOSTATIC MIXING VALVE, 1/2", SELECTABLE TEMPERATURE SET TO 110°F. OUTLET TEMPERATURE & PROVIDE ROUGH-IN WITH ALL RELATED PIPING WITH SHUT-OFF VALVES AT WALL.
SK6	WALL HUNG HANDWASH SINK	—	1 1/2"	1 1/2"	1/2"	1/2"	ADVANCE TABCO #7-PS-65, 14"x10"x5" DEEP SS SINK WITH 7" BACKSPLASH, BRUSHED NICKEL FAUCET, ASSE 1070 THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV THERMOSTATIC MIXING VALVE, 1/2", SELECTABLE TEMPERATURE SET TO 110°F. OUTLET TEMPERATURE P-TRAP, ANGLE STOPS AND CHAIR CARRIER.
LI	DOUBLE BOWL LAUNDRY TUB	—	2"	1 1/2"	1/2"	1/2"	FIAT #FL1D1 MOLDED STONE DOUBLE BOWN LAUNDRY SINK WITH LEGS, LAUNDRY TRAY, A-1 FAUCET, ASSE 1070 THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV THERMOSTATIC MIXING VALVE, 1/2", SELECTABLE TEMPERATURE SET TO 110°F. OUTLET TEMPERATURE P-TRAP AND ANGLE STOPS HARDWARE PACKAGE.
DF1	ELECTRIC DRINKING FOUNTAIN	—	2"	2"	1/2"	—	ELKAY MODEL NOL2SLBC (DUAL) COOLER, MCGUIRE 8872 P-TRAP, MCGUIRE 165 SUPPLY AND STOP, ZURN Z-1223 CARRIER.
DF2	DRINKING FOUNTAIN	—	2"	2"	1/2"	—	MOST DEPENDABLE FOUNTAIN MODEL NO. 475 (DUAL) COOLER, MCGUIRE 8872 P-TRAP, MCGUIRE 165 SUPPLY AND STOP, PROVIDE IN WALL P-TRAPS, CUTOFF VALVE AND DRAIN VALVE ALL IN ACCESSABLE PANEL.
PS	POOL SHOWER	—	—	—	—	1/2"	DELTA #R-10000-UNWS ROUGH-IN VALVE, DELTA #13H163 SHOWER TRIM WITH FIXED VANDAL RESISTANT HEAD.
JS	MOP SINK	—	3"	1 1/2"	3/4"	3/4"	FIAT #ITSB 3000 24" X 24" X 12" DEEP FLOOR MOUNTED MOP BASIN, T & S BRASS B-665-BSTR WALL MOUNTED SINK FAUCET, ASSE 1070 THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV THERMOSTATIC MIXING VALVE, 1/2", SELECTABLE TEMPERATURE SET TO 110°F. OUTLET TEMPERATURE 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"	GUARDIAN #G1814P WITH YELLOW PLASTIC EYE/FACE WASH HEADS, WITH DUST COVERS, 1/2" NPT CHROME PLATED BRASS STAY OPEN BALL VALVE WITH SS PUSH HANDLE, DRAIN TAIL PIECE TO WITHIN 4" OF FINISHED FLOOR AND IN-LINE STRAINER. GUARDIAN G3600 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.



Richard Molenaar

ARCHITECT



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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

SHEET TITLE:

Notes and Schedules – PLUMBING

PROJECT NO.

LATEST REVISION:

08/16/16

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CHECKED BY:

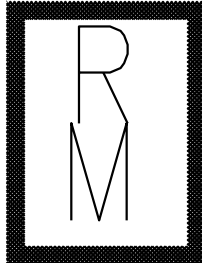
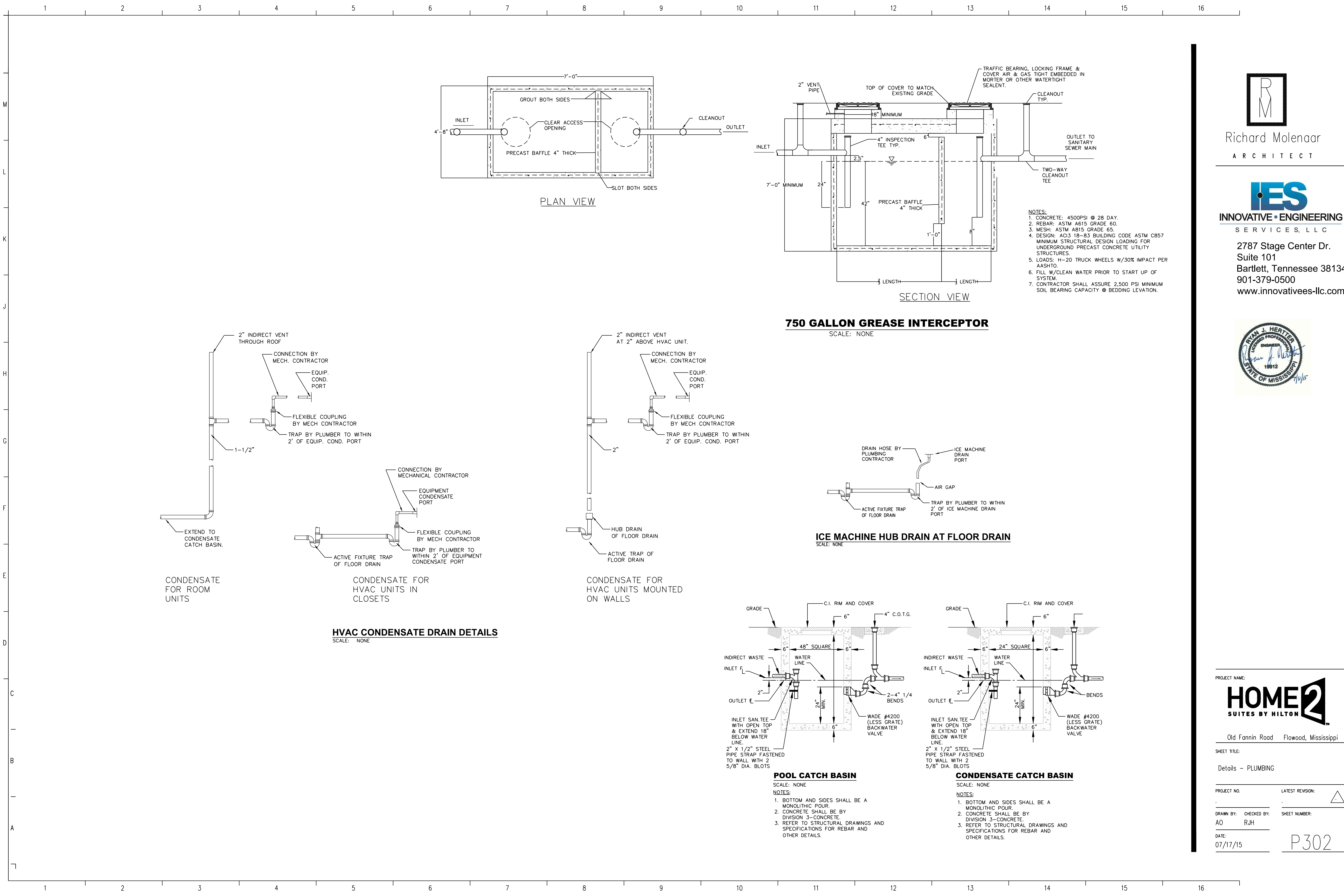
SHEET NUMBER:

AO R/JH

DATE:

07/17/15

P301



Richard Molenaar
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PROJECT NAME:



Old Fannin Road Flowood, Mississippi

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Details - PLUMBING

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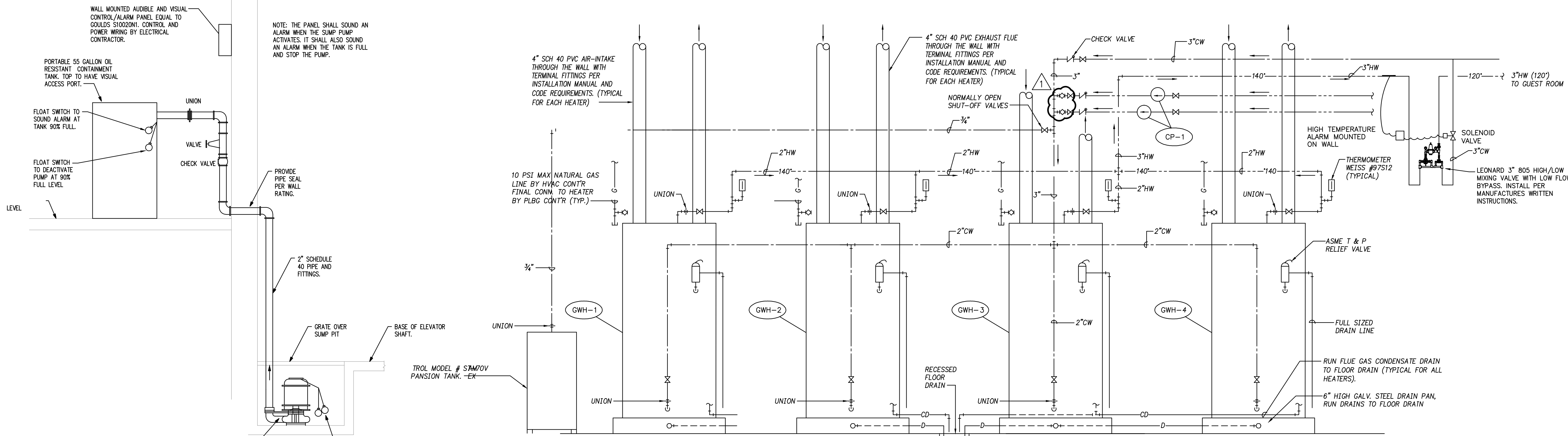
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07/17/15

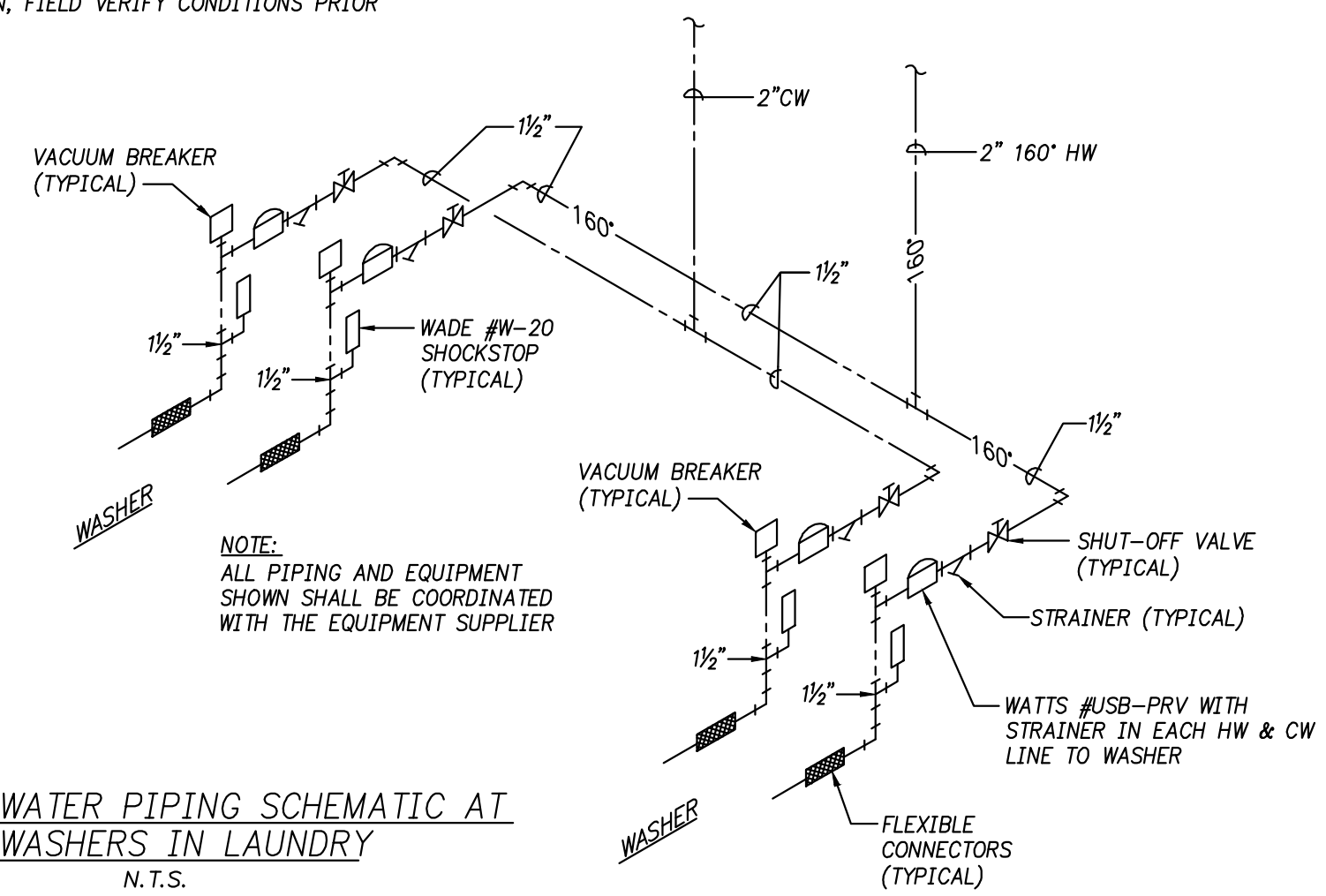
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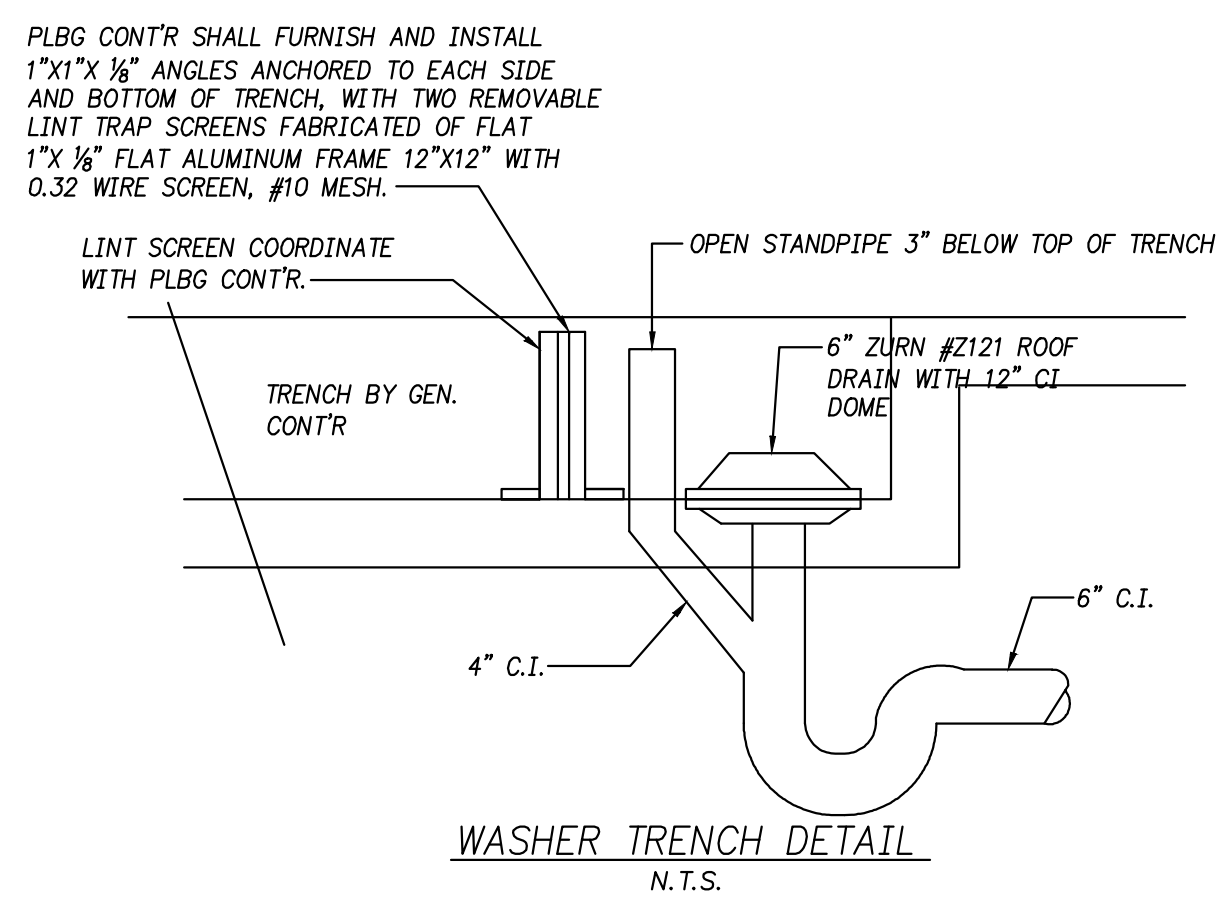
SCHEMATIC FOR GUEST ROOM WATER HEATERS
N.T.S.

ECIAL NOTE:
TER LINES MAY ACTUALLY BE ROUTED IN WALL FROM
POSITE DIRECTION, FIELD VERIFY CONDITIONS PRIOR
INSTALLATION.

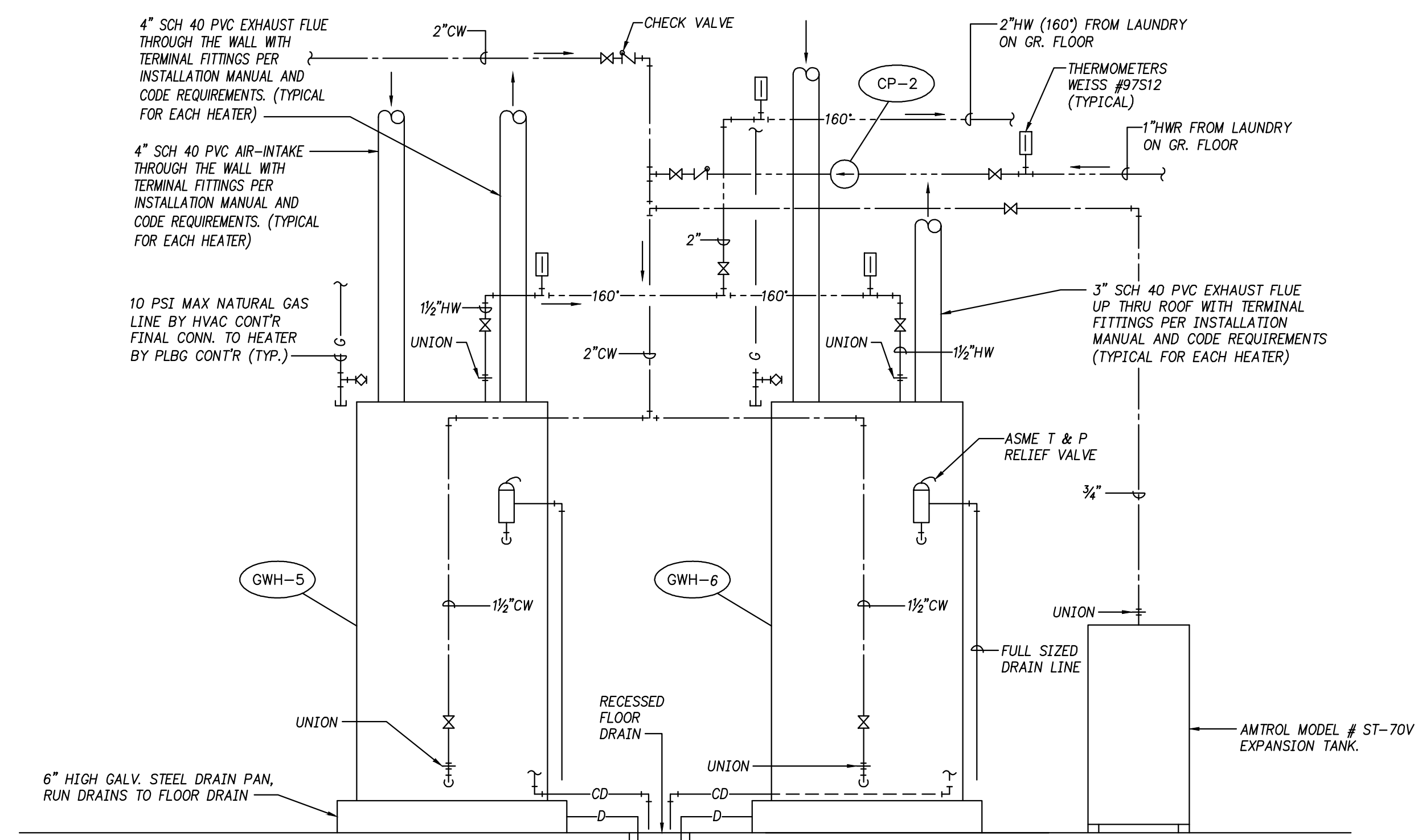
ELEVATOR SUMP PUMP DETAIL
NOT TO SCALE



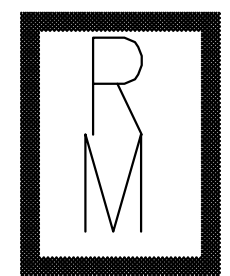
WATER PIPING SCHEMATIC AT
WASHERS IN LAUNDRY
N.T.S.



WASHER TRENCH DETAIL
N.T.S.



SCHEMATIC FOR LAUNDRY WATER HEATERS
N.T.S.



Richard Molenaar
ARCHITECT



PROJECT NAME:



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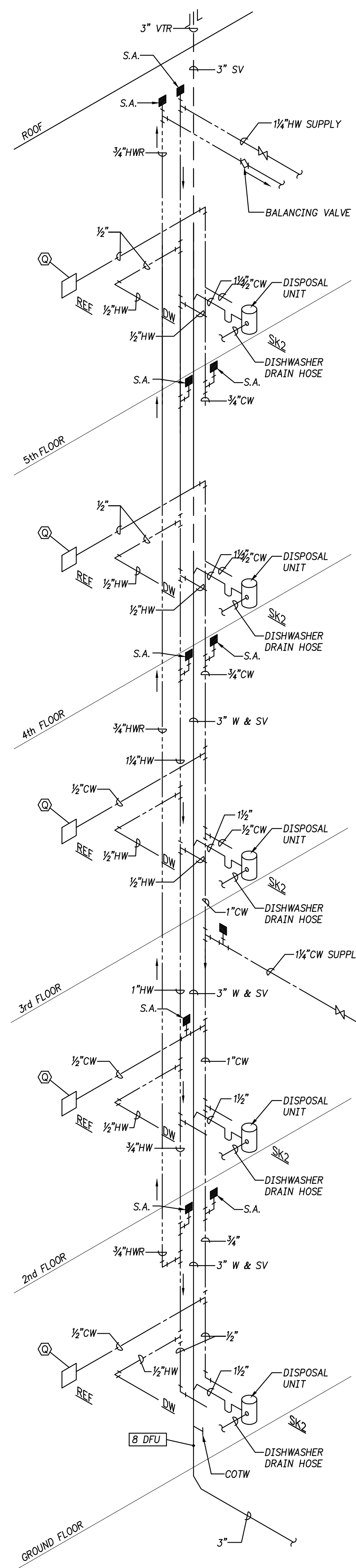
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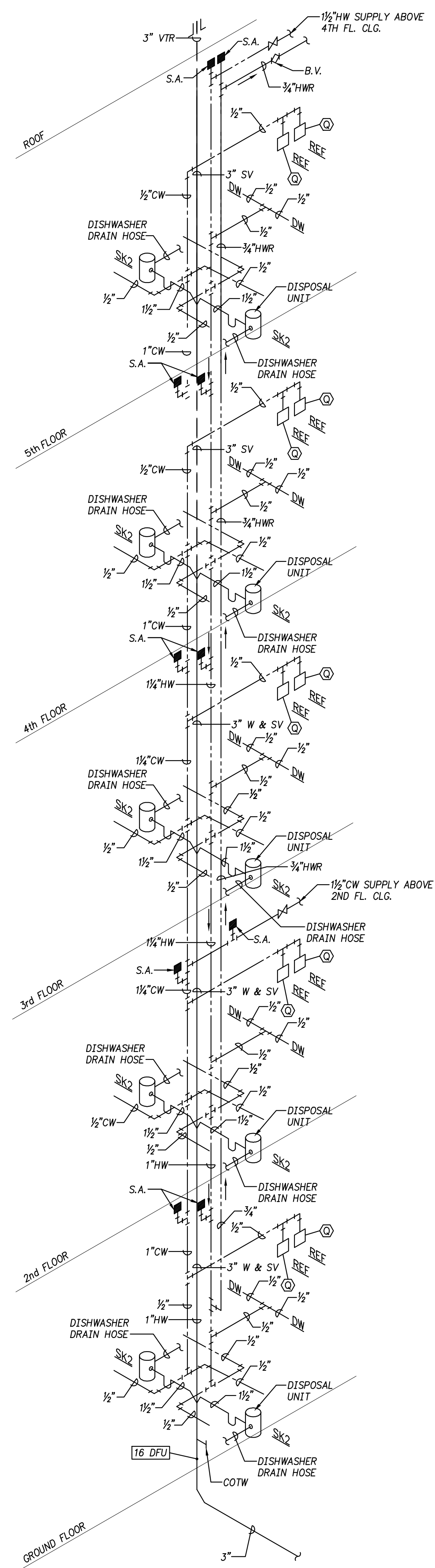
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07-17-15

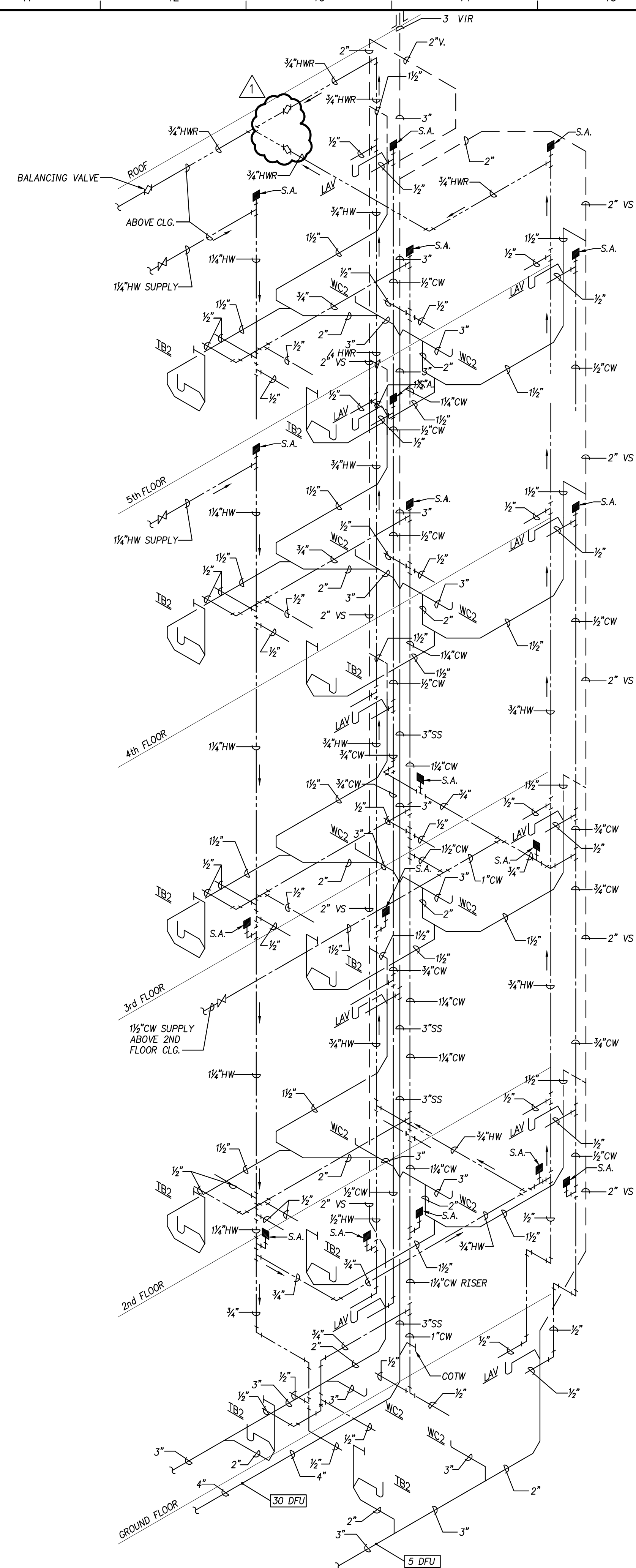
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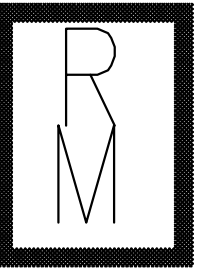
TYPICAL SINGLE GUEST ROOM KITCHEN SINK PIPING RISE
N.T.S.



TYPICAL BACK TO BACK GUEST ROOM
KITCHEN SINK PIPING RISER
N.T.S.



TYPICAL BACK TO BACK GUEST ROOM
TOILET PIPING RISER
N.T.S.



Richard Molenaar

A R C H I T E C T



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PROJECT NAME:

HOME 2
SUITES BY HILTON

Old Fannin Road Flowood, Mississippi

SHEET TITLE:

ROOF Plan - PLUMBING

PROJECT NO.

LATEST REVISION:

12/30/2015

DRAWN BY: CHECKED BY:

SHEET NUMBER:

DATE: _____

P304