HOME 2 SUITES, VICKSBURG, MS

ABBREVIATIONS

ADJ	ADJACENT	MAX.	MAXIMUM
A.F.F.	ABOVE FINISH FLOOR	MECH.	PLUMBING
ALT.	ALTERNATE	MIN. or MN.	MINIMUM
ALUM	ALUMINUM	MISC.	MISCELLANEOUS
APPROX.	APPROXIMATE	MNT.	MOUNT OR MOUNTED
ARCH.	ARCHITECT	MTL	METAL
BD.	BOARD	N.I.C.	NOT IN CONTRACT
BLDG.	BUILDING	NO.	NUMBER
C.A.	CLEAR ANODIZED	NOM.	NOMINAL
CEM.	CEMENT	N.S.F.S.	NEAR SIDE AND FAR SIDE
CER.	CERAMIC	N.T.S.	NOT TO SCALE
C.G.	CORNER GUARD	O.C.	ON CENTER
C.J.	CONTROL JOINT	OD.	OUTSIDE DIAMETER
CLG.	CEILING	O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
C.M.U.	CONCRETE MASONRY UNIT	OPP.	OPPOSITE
COL.	COLUMN	O.R.D.	OVERFLOW ROOF DRAIN
CONC.	CONCRETE	P.L. or PLAM	PLASTIC LAMINATE
CONT.	CONTINUOUS	PLYWD.	PLYWOOD
CORR.	CORRIDOR	PNT	PAINT
C.T.	CERAMIC TILE	P.S.B.	PENCIL SHARPENER BOARD
DET.	DETAIL	P.T.	PRESSURE TREATED
DIA.	DIAMETER	Q.T.	QUARRY TILE
DN.	DOWN	RAD.	RADIUS
D.S.	DOWNSPOUT	R.D.L.	ROOF DRAIN LEADER
DWG	DRAWING	REINF	REINFORCEMENT
EA.	EACH	REQD.	REQUIRED
E.I.F.S.	EXTERIOR INSULATION AND FINISH SYSTEM	RES.	RESILIENT
E.J.	EXPANSION JOINT	RM.	ROOM
ELEC.	ELECTRICITY	R.D.	ROOF DRAIN
ELEV.	ELEVATOR	R.O.	ROUGH OPENING
E.O.S.	EDGE OF SLAB	S.C.	SOLID CORE
EQ.	EQUAL	SCWD.	SOLID CORE WOOD
EXIST.	EXISTING	S.F.	SQUARE FEET
EXP.	EXPANSION	SHT.	SHEET
EXT.	EXTERIOR	SIM.	SIMILAR
F.D.	FLOOR DRAIN	ST.	STAIN
F.E.	FIRE EXTINGUISHER	STD.	STANDARD
F.E.C.	FIRE EXTINGUISHER CABINET	STG.	STAGGER TOP AND BOTTOM
F.H.C.	FIRE HOSE CABINET	STL.	STEEL
FIN.	FINISH	STOR.	STORAGE
FL.	FLOOR	STRUCT.	STRUCTURE
F.O.B.	FACE OF BRICK	SUSP.	SUSPENDED
F.O.S.	FACE OF STUD	SYNTH.	SYNTHETIC
F.R.P.	FIBER REINFORCED PANEL	T.O.S.	TOP OF STEEL
F.R.T.	FIRE RETARDANT TREATED	TEL.	TELEPHONE
F.S.	FLOOR SINK	TEMP.	TEMPERED
GALV.	GALVANIZED	THK.	THICKNESS
GL.	GLASS	TYP.	TYPICAL
GWB.	GYPSUM WALL BOARD	U.O.N. or U.N.O	UNLESS OTHERWISE NOTED
GYP.	GYPSUM	UTIL.	UTILITY
HGT	HEIGHT	V.C.T.	VINYL COMPOSITION TILE
HORIZ.	HORIZONTAL	VERT.	VERTICAL
HR.	HOUR	V.W.C.	VINYL WALL COVERING
ID.	INSIDE DIAMETER	WC.	WATER CLOSET
INSUL.	INSULATION	WD.	WOOD
JST.	JOIST	W.P.	WATER PROOFING
JT.	JOINT	WT.	WEIGHT
LAM.	LAMINATE	W.W.F.	WELDED WIRE FABRIC
M.O.	MASONRY OPENING	W/	WITH
MACH.	MACHINE	W/O	WITHOUT
		XTG.	EXISTING

FLOOR	AREA (SQUARE FEET)
First Floor:	15,358
Second Floor:	15,430
Third Floor:	15,430
Fourth Floor:	15,430
GRAND TOTAL:	61,648

TOTAL NUMBER OF ROOMS: 87
TOTAL PARKING: 96 (INCLUDING 6 HANDICAP ACCESSIBLE)
TOTAL NUMBER OF FLOORS: FOUR
OCCUPANCY CLASSIFICATION: R1
TYPE OF CONSTRUCTION: V-A; WOOD-FRAMED WITH WOOD FLOORS JOISTS (FULLY SPRINKLERED)
TOTAL SITE AREA IN ACRES: 2.2

ROOM LEGEND

GUESTROOM TYPE / FLOOR	KING STUDIO	KING ONE BEDROOM	QUEEN STUDIO	ACCESSIBLE ROLLIN KING STUDIO	ACCESSIBLE KING ONE BEDROOM	ACCESSIBLE QUEEN STUDIO	HEARING IMP. KING ONE BEDROOM	HEARING IMPAIRED KING STUDIO	HEARING IMPAIRED QUEEN STUDIO	TOTAL
FIRST FLOOR	2	1	1	0	0	0	1	1	0	6
SECOND FLOOR	14	1	7	1	1	0	1	1	1	27
THIRD FLOOR	14	2	7	0	1	1	0	1	1	27
FOURTH FLOOR	14	3	7	0	0	1	0	1	1	27
TOTAL	44	7	22	1	2	2	2	4	3	87
RATIO %	51	8	25	1	2	2	2	5	3	100

ACCESSIBLE ROLLIN KING: 1
ACCESSIBLE ROOMS: 4
TOTAL NUMBER OF ACCESSIBLE ROOMS: 5
TOTAL HEARING IMPAIRED ROOMS: 9

MATERIAL LEGEND

STEEL · CAST STONE OR STUCCO · RIGID INSULATIO N · GRAVEL POROUS FILL
CMU · FINISHED WOOD · CONCRETE · PLYWOOD
BATT INSULATION · EARTH · WOOD BLOCKING OR FRAMING · GYPSUM BOARD

GENERAL NOTES

1. THE CONTRACT DOCUMENTS CONSIST OF THIS SET OF DRAWINGS, THE PROJECT MANUAL, ADDENDA, CONSTRUCTION CHANGE DIRECTIVES, CHANGE ORDERS, THE CONTRACT BETWEEN THE OWNER AND CONTRACTOR, CONDITIONS OF THE CONTRACT AND ANY OTHER INFORMATION WRITTEN AND MUTUALLY AGREED UPON BETWEEN THE OWNER AND CONTRACTOR.

2. THIS SET OF DRAWINGS HAS AN ACCOMPANYING PROJECT MANUAL, WHICH IS AN INTEGRAL PART OF THE CONTRACT DOCUMENTS. ALL ASPECTS OF THESE DRAWINGS ARE DEPENDANT ON THE INFORMATION CONTAINED THEREIN.

3. THESE DRAWINGS ARE COMPLEMENTARY AND INTERRELATED: WORK OF ANY INDIVIDUAL TRADE IS NOT NECESSARILY CONFINED TO SPECIFIC DOCUMENTS, CHAPTERS OR LOCATIONS.

4. IF DISCREPANCIES OR INCONSISTENCIES IN THE DOCUMENTS ARE DISCOVERED, NOTIFY THE ARCHITECT IMMEDIATELY USING THE DESIGNATED"REQUEST FOR INFORMATION" PROCEDURE IDENTIFIED.

5. CONSTRUCTION TECHNIQUES, PROCEDURES, SEQUENCING AND SCHEDULING ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

6. IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO COMPLY WITH ALL CODES AND ORDINANCES IN EFFECT AT THE TIME THE PERMIT IS ISSUED. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF SUSPECTED DEVIATION.

7. ALL PENETRATIONS IN RATED CONSTRUCTION ARE TO BE SEALED WITH APPROPRIATE MATERIALS AS INDICATED BY THESE DOCUMENTS OR OTHERWISE REQUIRED BY INSPECTORS OR APPLICABLE CODES AND ORDINANCES.

8. DO NOT SCALE DRAWINGS; USE DIMENSIONS ONLY. NOTIFY ARCHITECT OF SIGNIFICANT DISCREPANCIES IMMEDIATELY UPON DISCOVERY.

9. IT IS THE INTENT OF THE DOCUMENTS TO PROVIDE A COMPLETELY WATERPROOF BUILDING ENVELOPE. REPORT TO ARCHITECT ANY CONDITION THAT WOULD PREVENT THIS IMMEDIATELY.

10/4/2019 8:51:52 AM

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T002	UL Listings
T003	UL Listings
T004	UL Penetrations
T005	ADA and Code
T006	ADA and Code

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Sheet List Architectural

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A611	Casework-Window Perch and Perch
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Sheet List Civil

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E407	Electrical-Communications Risers & Details
E408	Electrical-Details

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STRUCTURAL:
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Lexington, SC 29074
Phone: (803) 957-4008
Email: bill@weslex.com

MEP:
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2787 Stage Center Dr. Suite 101
Bartlett, TN 38134
Phone: (662) 890-4220
Web: www.innovativees-llc.com

REVISIONS

No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Cover Sheet

Phase
Construction Documentss

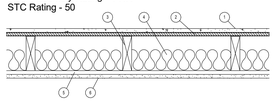
Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
T000

Released for

Home2Suites Vicksburg

ICC File No. ER-3433, Assembly 1
Floor Assembly Rating - 1 HR
STC Rating - 50



1. Gyp-Crete Gypsum Cement: Minimum 3/4" thick; density 100 pounds per cubic foot (minimum)

2. Subfloor: 5/8" plywood installed in accordance with the code

3. 2x10 wood joists at 16 o.c.

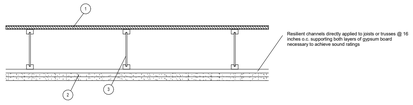
4. 2-1/2" fiberglass insulation; density, 1.5pcf (optional)

5. 1/2" deep by 1-1/2" wide, No. 25 gage resilient channels at 24" o.c. fastened to each joist with 1-1/4" long drywall screws

6. 5/8" gypsum board fastened to channel with 1" long drywall screws spaced at 12" o.c. All joints taped and sealed with compound

Note: In order to obtain 1-hour fire-resistive floor construction, the 1-1/2" wide No. 25 gage resilient channels must be fastened to each joist with 1-1/4" long Type W or S screws spaced 12" o.c. Additionally, the 5/8" Type 'X' gypsum wallboard must be fastened to channels with 1" long Type S screws.

ICC File No. ESR-1153, Assembly B, Option 2
Floor Assembly Rating - 1 HR
STC Rating - 58



1. 48/24 tongue-and-groove span rated sheathing (Exposure 1), nailed and glued to the TJI joists with construction adhesive conforming to ASTM D3498

2. Two layers of 1/2" thick Type C, or 5/8" thick Type X gypsum board

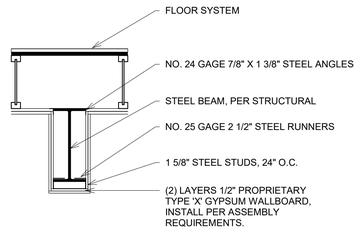
3. TJI Joist

4. Optional minimum 3-1/2" thick glass fiber insulation or glass fiber insulation rated R-30 or less, with resilient channels (not shown)

Note: In order to obtain an STC rating of 58, the assembly requires 3/4" gypsum concrete topping (minimum) and two layers of 5/8" thick Type X gypsum board with minimum 3-1/2" thick fiber insulation or glass fiber insulation rated R-30 or less.

Note: Assembly B, Option 2 has a minimum STC rating of 58 when constructed with resilient channels spaced at 16" o.c. to separate the ceiling membrane from the structural framing, and with a 3/4" floor topping of gypsum concrete recognized in a current evaluation report.

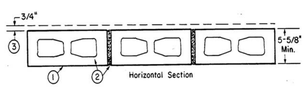
1-HOUR RATED
TYPICAL RATED STEEL BEAM SURROUND



BASED ON GA FILE NO: BM 1137
1 HOUR RATED ASSEMBLY

DESIGN NO. U906

Bearing Wall Rating--2HR. Nonbearing Wall Rating--2HR.

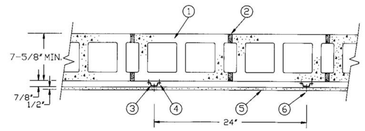


1. **Concrete Blocks* --** Nominal 6 by 8 by 16 in, hollow or solid. Classification D-2 (2 hr). **ANCHOR CONCRETE PRODUCTS INC GAGNE & SON CONCRETE BLOCK INC** Allowable compressive stress of 57% of max allowable compressive stress in accordance with the empirical design method. **BETCO BLOCK & PRODUCTS INC, DBA ARTHUR WHITCOMB WESTBROOK CONCRETE BLOCK CO INC** Allowable compressive stress of 75.6% of max allowable compressive stress in accordance with the empirical design method.
1 **Mortar --** Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
2 **Portland Cement Stucco or Gypsum Plaster --** Add 1/2 hr to Classifi\hichcation if used. Attached to concrete blocks (Item 1).
3 **Foamed Plastic* --** (Optional-Not Shown) -- 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

BPB AMERICA INC --Type Thermax *Bearing the UL Classification Mark
*Bearing the UL Classification Mark

DESIGN NO. U914

Bearing Wall Rating--3HR. Nonbearing Wall Rating--3HR.



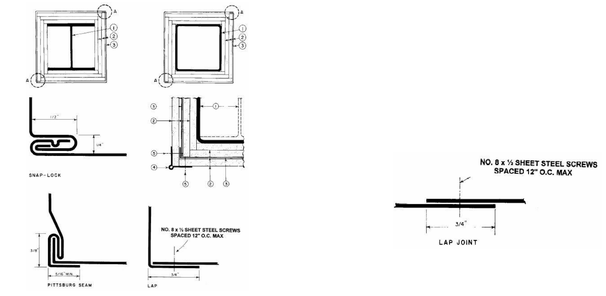
1 **Concrete Blocks* --** Various designs. Classification D-2 (2 hr). See **Concrete Blocks** category for list of eligible manufacturers.
2 **Mortar --** Blocks laid in full bed of mortar, nom 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
3 **Furring Channels --** Min 0.019 in. thick (25 gauge) galv steel, 1-3/8 in. wide on top and 2-3/4 in. wide at bottom by 7/8 in. deep. Spaced 24 in. OC perpendicular to floor with a channel parallel to and approximately 3 in. above floor and 3 in. below ceiling. Clearance between vertical and horizontal channels 1/2 in.
4 **Channel Fasteners --** 1-1/4 in. long masonry screws with 3/16 in. body and 5/16 in. diameter head. Fasteners spaced 24 in. O.C. with the fasteners staggered on each long leg of the furring channel.

4A. **Steel Framing Members* --** (Not Shown) -- Alternate method used to attach furring channels (Item 3) to concrete blocks (Item 1). Clips spaced 48 in. OC., and secured to blocks with 1/4 in. dia. By 3 in. long concrete expansion anchor (Item 4B) through the center grommet. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Furring channels are friction fitted into clips.
PAC INTERNATIONAL INC --Type RSIC-1.
4B. **Concrete Expansion Anchor --** (Not Shown) -- 1/4 in. dia. by 3 in. long carbon steel, pre-assembled, nail drive expansion anchor with mushroom head driven into the web of the concrete block. Min. embedment in concrete block of 1-3/8 in. and evaluated in accordance with ASTM E 488 to have ultimate load capacities of 980 lbs (tension) and 1400 lbs (shear) when used in 2000 psi concrete.
5. **Gypsum Board* --** 1/2 in. thick, 4 ft wide, secured to furring channels with wallboard fasteners (Item 6). Gypsum plaster not more than 1/16 in. thick may be applied to wallboard in addition to joint treatment. **AMERICAN GYPSUM CO --**Types AG-C, AGX-C. **BPB AMERICA INC --** ProRoc Type C. **BPS CANADA INC --** ProRoc Type C. **CANADIAN GYPSUM COMPANY --**Types C, IP-X2, IPC-AR. **G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP --**Type 5. **LAFARGE NORTH AMERICA INC --**Types LGFC-C, LGFC
C/A. **NATIONAL GYPSUM CO --**Types FSK-C, FSW-C, FSMR-C. **PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC --**Type PG-C.-- **STANDARD GYPSUM L L C --**Type SG-C. **TEMPLE-INLAND FOREST PRODUCTS CORP --**Type TG-C. **UNITED STATES GYPSUM CO --**Types C, IP-X2, IPC-AR. **USG MEXICO S ADE C V --**Types C, IP-X2, IPC-AR.
1 **Wallboard Fasteners --** 1 in. long, self-drilling, self-tapping steel screws with bugle heads. Fasteners attached to each furring channel and spaced 8 in. OC at butt joints and 12 in. OC in the field of the board parallel with furring channels. Clearance between fasteners and edges of wallboard 3/4 in.
2 **Joint System -- (Not shown) --** Paper tape embedded in cementitious compound over joints. Paper tape and exposed screw heads covered with two layers of compound. Edges of compound feathered out.

*Bearing the UL Classification Mark

DESIGN NO. X526

1, 2, 3 and 4 hour



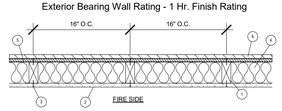
1 **Steel Column --** Min sizes of W shape and tubular steel columns in the AISC Steel Construction Manual as shown under Item 2.
2 **Gypsum Board --** Any 5/8 in. thick or 1/2 in. thick wallboard bearing the Underwriters Laboratories Inc. Fire Resistance Classification Marking. Min total thicknesses of layers in inches for the various ratings and min column sizes are as follows:

W Shape Columns Min Column Size Rating Hr Dsg Outside Flange Web In.2 Total Thkns of Dimen-Thkns Thkns Area Layers of Wallboard In. sions In. In. 1234In.
W4x13 4-1/8x4 0.345 0.280 3.82 1 1-1/2 2-1/4 -- W6x15.5 6x6 0.269 0.235 4.56 1 1-1/2 2-1/4 3-1/8 W10x49 10x10 0.558 0.340 14.4 1/2 1-1/8 1-7/8 2-1/2
Tubular Shape Columns Min Column Size Rating Hr Outside Total Thkns of Dsg Dimensions Thkns In.2 Layers of Wallboard In. In.In.Area1 2 3 4
TS4X4X0.188 4X4 0.188 2.74 1 1-5/8 2-1/2 -- TS8X6X0.250 8X8 0.250 7.48 5/8 -- -- --
Applied in layers as shown in above illustration. Each layer held together with paper masking adhesive tape during erection to allow placement of succeeding layers. For column ratings of 2 hr or less, one layer of wallboard may be applied to the outer surface of steel cover. Boards applied vertically, without horizontal joints, attached to cover with screws located 1 in. from the board edge and 8 in. OC. See **Gypsum Board (CKNX)** category for names of manufacturers. 2A. **Gypsum Board* --** As an alternate to Item 2, 3/4 in. thick applied as
described in Item 2. **CANADIAN GYPSUM COMPANY --**Type IP-X3, ULTRACODE, UTRACODE SHC OR ULTRACODE WRC. **UNITED STATES GYPSUM CO --**Type IP-X3, ULTRACODE, UTRACODE SHC OR ULTRACODE WRC. **USG MEXICO S ADE C V --**Type IP-X3, ULTRACODE, UTRACODE SHC OR ULTRACODE WRC.
1 **Steel Covers -- For seamed joints --** 0.024 in. min thickness (No. 24 MSG) uncoated, galv or stainless steel, for column ratings of 3 hr or less. For 4 hr ratings, only stainless steel cover to be used. Covers consist of two L-shaped sections with Snap-Lock or Pittsburgh sheet steel joints. Width to be determined on the basis of protection thickness and column size. Length of sections to provide 1/8 in. clearance per lineal foot of column length between cover and any restraint. For lapped joints -- (Max ratings 2 hr) -- No. 22 MSG (0.027 in. thick) uncoated or galv steel. Fasteners used at laps to be No. 8 by 1/2 in. steel sheet metal screws spaced a max of 12 in. O.C. Other details to be the same as those stated for seamed joints as shown above.
2 **Corner Bead --** For columns with outer layer of wallboard attached to outside surface of metal cover, No. 28 MSG galv steel, 1-1/4 in. legs corner beads attached to wallboard with screws spaced 12 in. O.C.
3 **Screws --** For columns with outer layer of wallboard attached to out\hichside surface of metal cover, self-drilling Phillips bugle head, 1 in. long screws for 1/2 or 5/8 in. thick wallboard (1-1/4 in. long screws for 3/4 in. thick wallboard) are used to attach wallboard to steel cover, and corner bead to wallboard.
4 **Sodium Silicate Solution --** (Not shown, optional) -- Used to adhere one layer of wallboard to inside of steel cover prior to assembly.
5 **Finishing System --** (Not shown) -- Joint compound applied over cor

ner beads to a thickness of 1/16in. *Bearing the UL Classification Mark

DESIGN NO. U356

Exterior Bearing Wall Rating - 1 Hr. Finish Rating



1. Wood Studs - Nom 2 by 4 in. spaced 16 in. OC with two 2 by 4 in. top and one 2 by 4 in. bottom plates. Studs laterally-braced by wood structural panel sheathing (Item 5).

2. Gypsum Board* - Any Classified 5/8 in. thick, 4 ft wide, applied vertically and nailed to studs and bearing plates 7 in. OC with 6d cement-coated nails, 1-7/8 in. long with 1/4 in. diam head.

3. Joints and Nailheads - (Not Shown) - Wallboard joints covered with tape and joint compound. Nail heads covered with joint compound.

4. Batts and Blankets* - Mineral fiber or glass fiber insulation, 3-1/2 in. thick, pressure fit to fill wall cavities between studs and plates.

5. Wood Structural Panel Sheathing - Min 7/16 in. thick, 4 ft wide wood structural panels, min grade "C-D" or "Sheathing".

6. Exterior Facings - Installed in accordance with the manufacturer's installation instructions. One of the following exterior facings is to be applied over the sheathing:
A. Vinyl Siding - Molded Plastic*
B. Particle Board Siding
C. Wood Structural Panel or Lap Siding
D. Cementitious Stucco
E. Brick Veneer
F. Exterior Insulation and Finish System (EIFS)
G. Siding - Aluminum or steel siding
H. Fiber-Cement Siding

* Bearing the UL Classification Mark

MISHRA ARCHITECTURE PLLC
6800 S Creek Rd, Charlotte, NC 28277
Ph:(704) 625-6554 Fax:(704) 919-5822
EMAIL:ashish@mishraarch.com
WEB: www.mishraarch.com

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101 Highpointe Court, Suite B
Brandon, MS 39042
Phone: (601) 591-1077
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Email:mikebes@bellsouth.net

STRUCTURAL:
Whisonant Engineering Services, LLC
122 Nut Tree Court
Lexington, SC 29074
Phone: (803) 957-4008
Email: bill@weslex.com

MEP:
Innovative Engineering Services
2787 Stage Center Dr. Suite 101
Bartlett, TN 38134
Phone: (662) 890-4220
Web: www.innovativees-llc.com

REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
UL Listings

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
T001

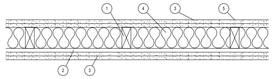
Released for

Home2Suites Vicksburg

4/8/2019 3:40:17 PM

DESIGN NO. U334

Bearing Wall Rating - 2 HR STC Rating -62 (See Item 7



1. Wood Studs - Nom 2 by 4 in., spaced 16 in OC. Studs cross braced at mid-height and effectively fire stopped at top and bottom of wall.

2. Resilient Channel - 25 MSG galv steel, nom 2-1/2 in wide by 1/2 in deep. Resilient channels placed perpendicular to studs, spaced 24 in OC, flange portion attached to each intersecting stud with 1 in long Type S steel screws.

2A. Steel Framing Members (Optional, Not Shown)* - As an alternate to Item 2, furring channels and resilient sound isolation clip as described below:
a. Furring Channels - Formed of No. 25 MSG glv steel 2-3/8 in wide by 7/8 in deep, spaced 24 in OC perpendicular to studs. Channels secured to stud as described in Item B. Ends of adjoining channels are overlapped 6 in and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in and secured together with two self-tapping #6 framing screws, min 7/16 in long at the point of overlap, with one screw on each flange of the channel.
b. Steel Framing Members* - resilient sound isolation clips used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in OC, and secured to studs with No. 8x 2 1/2 in coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC- Type PSIC-1

3. Gypsum Board* - 5/8 in. thick, 4 ft wide. Attach to furring channels: base layer with 1 in. long Type S steel screws spaced max 24 in. OC, face layer with 1-5/8 in long Type S steel screws spaced max 12 in OC. Attach to wood studs: base layer with 1-7/8 in long 6d coated nails spaced max 14 in OC, face layer with 2-3/8 in long 8d coated nails spaced 7 in OC. Base layers installed vertically. Face layers installed horizontally with butt joints offset 16 in from base layers.

AMERICAN GYPSUM CO - Types AG-C, AGX-C .
BPB AMERICA INC - ProRoc Type C.
CANADIAN GYPSUM COMPANY - Types C, IP-X2, IPC-AR.
G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP - Type 5.
LAFARGE NORTH AMERICA INC - Types LGFC-C, LGFC-C/A.
NATIONAL GYPSUM CO - Types FSK-C, FSW-C, FSW-G.
PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC - Type C or PG-C.
STANDARD GYPSUM L L C - Type SG-C.
TEMPLE-INLAND FOREST PRODUCTS CORP - Type TG-C.
UNITED STATES GYPSUM CO - Types C, IP-X2, IPC-AR.
USG MEXICO S A DE C V - Types C, IP-X2, IPC-AR.

4. Batts and Blankets* - Nom. 2 in thick mineral wool insulation, 96 in long, cut to 15 in widths, friction fitted between studs in wall cavity

THERMAFIBER L L C - Type SAFB

4A. Batts and Blankets*- Glass fiber insulation. The cavities formed by the studs friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in thick and 15-1/4 in wide. See Batts and Blankets*(BZJZ) category for names of Classified Companies.

5. Joint Tape and Compound- Vinyl, dry or premixed joint compound, applied to joints, screw heads, and nail heads (two applications); paper tape, 2 in wide, embedded in first layer of compound over all joints

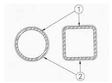
6. Caulking and Sealants- (not shown, optional) A bead of acoustical sealant applied around the partition perimeter for sound control

7. STC Rating- The STC rating of the wall assembly is 62 when it is constructed as described by Items 1 through 5, except:
a. Item 2A, above- Steel Framing Members* shall be used to attach wallboard to studs on either the acoustical source or the receiving side of the wall assembly.
b. Item 4A, above- Batts and Blankets* as described above, fiberglass insulation shall be used
c. Item 6, above- Caulking and Sealants (not shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound control

*Bearing the UL Classification Mark

Design No. Y616

Ratings -1, 1-1/2, 2 and 3 Hr. (See Item 2)



1. **Steel Column** -Steel tube (ST) or steel pipe (SP) with the minimum sizes shown in the table below. Columns shall be free of dirt, loose scale and oil. Columns shall be primed with a metal alkyd or epoxy primer at a nominal thickness of 1 mil.
2. **Mastic and Intumescent Coatings*** -Coating spray or brush applied directly from containers to desired thickness. See table below for appropriate minimum final dry thickness and applicable rating.

FOR STEEL PIPE

Steel Size	A/P	HP/A	1 Hr		1-1/2 Hr		2 Hr		3 Hr	
			in.	mm	in.	mm	in.	mm	in.	mm
SP 3 x 0.25	0.23	169	0.102	2.58	0.221	5.62	0.340	8.65	N/A	N/A
SP 5 x 0.3125	0.29	135	0.081	2.05	0.175	4.46	0.270	6.86	N/A	N/A
SP 5 x 0.375	0.35	114	0.067	1.70	0.145	3.69	0.224	5.69	N/A	N/A
SP 6 x 0.432	0.40	102	0.058	1.48	0.127	3.23	0.196	4.97	N/A	N/A
SP 4 x 0.5	0.44	93	0.053	1.35	0.115	2.94	0.178	4.52	N/A	N/A
SP 8 x 0.5	0.47	85	0.047	1.20	0.093	2.35	0.147	3.74	0.288	7.31

N/A = Not Available

FOR SQUARE AND RECTANGULAR STEEL TUBE

Steel Size	A/P	HP/A	1 Hr		1-1/2 Hr		2 Hr		3 Hr	
			in.	mm	in.	mm	in.	mm	in.	mm
ST 5x3x1/4	0.23	169	0.102	2.58	0.221	5.62	0.340	8.65	in.	mm
ST 5x3x5/16	0.29	135	0.081	2.05	0.175	4.46	0.270	6.86	N/A	N/A
ST 8x6x3/8	0.35	114	0.067	1.70	0.145	3.69	0.224	5.69	N/A	N/A
ST 6x6x7/16	0.40	102	0.058	1.48	0.127	3.23	0.196	4.97	N/A	N/A
ST 5x3x1/2	0.44	93	0.053	1.35	0.115	2.94	0.178	4.52	N/A	N/A
ST 8x8x1/2	0.47	85	0.047	1.20	0.093	2.35	0.147	3.74	0.288	7.31

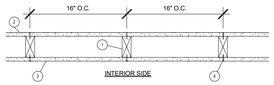
N/A = Not Available
As an alternate to the above table, the required thickness of coating (in inches) to be applied to all surfaces of steel tube (ST) and steel pipe (SP) columns may be determined from the equations listed below. The equations may only be used for the indicated hourly rating, and for the corresponding listed ranges of thickness and A/P.

Hourly Rating	Thickness Equation, in.	Thickness Range, in.	A/P Ratio Range
1	T = 0.0233t/(A/P)	0.050 to 0.102	0.23 to 0.47
1-1/2	T = 0.0508t/(A/P)	0.108 to 0.221	0.23 to 0.47
2	T = 0.0782t/(A/P)	0.167 to 0.340	0.23 to 0.47

Where T = Thickness of coating in inches, A = Cross-sectional area of the pipe in square inches, and P = Heated perimeter of steel pipe or tube section in inches.
ISOLATEK INTERNATIONAL -Type SprayFilm WB 5, Type WB 5, Investigated for Interior Conditioned Space and Interior General Purpose.

DESIGN NO. U337

Bearing Wall Rating - 1 HR. Finish Rating - See Item 2



1. Wood Studs - Nom 2 by 4 in. spaced 16 in. OC, effectively cross braced at mid-height and fire stopped at top and bottom.

2. Gypsum Board*-5/8in. thick, 4 ft wide, applied vertically. Wallboard attached to studs and bearing plates with 1-3/4in. long gavl nails wit 0.128 in diam.
shank nail 7/16 in. diam head, spaced 8 in. on center.

G-P GYPSUM CORP, SUB OF
GEORGIA-PACIFIC CORP - Type DGG (finish rating 20 min), Type DAP, DD, DS.

3. Gypsum Board*-5/8in. thick, 4 ft wide, applied vertically. Wallboard attached to studs and bearing plates with 1-3/4in. long galv. nails with 0.128 in. diam
shank and 7/16in. diam head, spaces 8 in. on center.

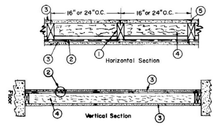
AMERICAN GYPSUM GO - Type AGX-7 (finish rating 20 min).
BEIJING NEW BUILDING MATERIALS CO LTD - Type DBX-1 (finish rating 24 min).-Type CG3-3 (finish rating 20 min), Type CG5-5 (finish rating 20 min), Type CG6-6
(finish rating 20 min), Type CG9-9 (finish rating 20 min), Type CGTC-C (finish rating 20 min)
BPB AMERICA INC - Type EGRG (finish rating 23 min).
G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP - Type 5,9,C, Type DGG (finish rating 20 min), Type GPFS2 (finish rating 24 min), Type GPFS6 (finish rating 20
min), Type DS, Type DAP, Type DD (finish rating 20 min), DA.
LAFARGE NORTH AMERICA INC - Type LGFC2 (finish rating 24 min), Type LGFC2A, Type LGFC3 (finish rating 20min), Type LGFC6 (finish rating 20 min), Type LGFC-C
(finish rating 20 min), Type LGFC6A (finish rating 34 min), Type LGFC-C/A
PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS - Type PG-9
SIAM GYPSUM INDUSTRY (SARABURI) CO LTD - Type EX-1 (finish rating 26 min).

4. Joints and Nailheads - Exposed or covered with paper tape and joint compound. For tapered, rounded-edge wallboards, joints with paper tape and joint
compound.

*Bearing the UL Classification Mark

DESIGN NO. U311

Bearing Wall Rating--1HR. Finish Rating -- 23 Min.

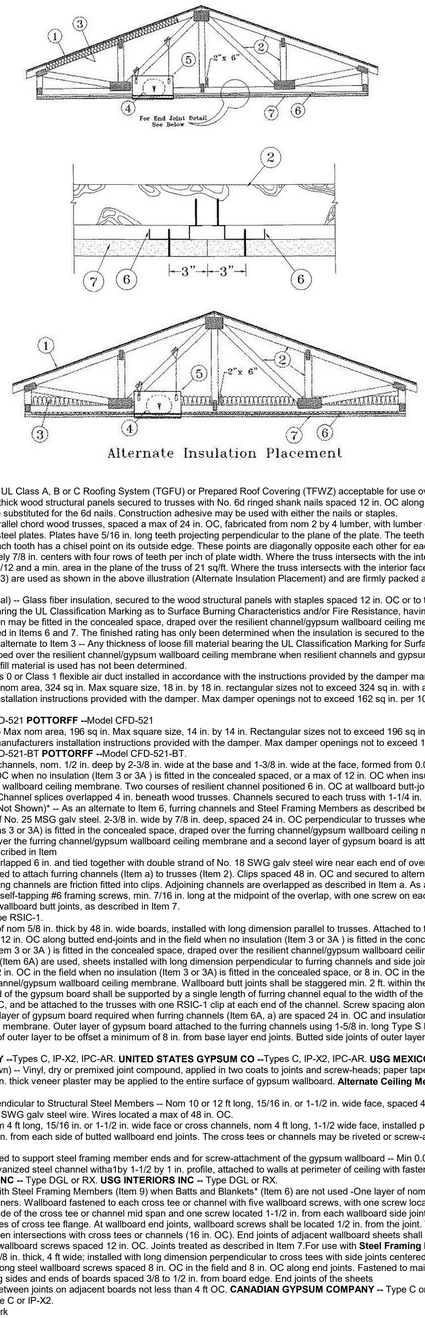


1 **Wood Studs --** Nom 2 by 4 in., spaced 16 or 24. OC. Effectively cross braced.
2 **Resilient Channel --** 25 MSG galv steel. Resilient channels spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws.

2A. **Steel Framing Members (Optional, Not Shown)* --** As an alternate to Item 2, furring channels and resilient sound isolation clip as described below:
a. **Furring Channels --** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel.
b. **Steel Framing Members* --** Resilient sound isolation clip used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in. OC. and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
PAC INTERNATIONAL INC --Type RSIC-1.
3. **Gypsum Board* --** 5/8 in. thick, 4 ft wide. Screw attached one side to furring channels with 1 in. long, self-drilling, self-tapping steel screws spaced 12 in. OC, vertical joints located midway between studs and back blocked with furring channels, attached with 1 in. long, self-drilling, self-tapping screws, spaced 12 in. OC, along each edge. Wallboard attached other side to studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws spaced 12 in. OC, vertical joints located over studs.
AMERICAN GYPSUM CO --Types AG-C, AGX-C . **BPB AMERICA INC --**Type FRPC, ProRoc Type C. **BPB CANADA INC --** ProRoc Type C. **CANADIAN GYPSUM COMPANY --**Types C, IP-X2, IPC-AR. **G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP** --Type 5. **LAFARGE NORTH AMERICA INC --**Types LGFC-C, LGFC C/A. **NATIONAL GYPSUM CO --**Types FSK-C, FSW-C, FSW-G. **PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC** --Type C or
PG-C. **STANDARD GYPSUM L L C --**Type SG-C. **TEMPLE-INLAND FOREST PRODUCTS CORP --**Type TG-C. **UNITED STATES GYPSUM CO** --Types C, IP-X2, IPC-AR. **USG MEXICO S ADE C V --**Types C, IP-X2, IPC-AR.
4. **Batts and Blankets* --** 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 4-in. face of the studs with staples placed 24 in. OC.
ROCK WOOL MANUFACTURING CO --Delta Board. **JOHNS MANVILLE INTERNATIONAL INC ROXUL INC THERMAFIBER L L C --**Type SAFB.
4A. **Glass Fiber Insulation --** (As an alternate to Item 4) -- 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to fill the interior of the wall, attached to the 4 in. face of the studs with staples placed 24 in. OC. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Class)lfied companies.
4B. **Fiber, Sprayed* --** As an alternate to Batts and Blankets (Item 4) -- Spray applied cellulose insulation material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft3.
U S GREENFIBER L L C -- Cocoon stabilized cellulose insulation.
5. **Joints and Screw heads --** Wallboard joints covered with paper tape and joint compound. Screw heads covered with joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.
*Bearing the UL Classification Mark

DESIGN NO. P522

Unrestrained Assembly Rating - 1 Hour Finish Rating - 25 Min (See Items 3 or 3A)



Alternate Insulation Placement

1 **Roofing System* --** Any UL Class A, B or C Roofing System (TGFU) or Prepared Roof Covering (TFWZ) acceptable for use over nom 15/32 in. thick wood structural panels, min. grade "C-D" or "Sheathing". Nom 15/32 in. thick wood structural panels secured to trusses with No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Construction adhesive may be used with either the nails or staples.
2 **Trusses --** Pitched or parallel chord wood trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Truss members secured together with 0.040 in. thick galv steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approximately 7/8 in. centers with four rows of teeth per inch of plate width. Where the truss intersects with the interior face of the exterior walls, the min truss depth shall be 5-1/4 in. with a min roof slope of 3/12 and a min. area in the plane of the truss of 21 sq/ft. Where the truss intersects with the interior face of the exterior walls, the min truss depth may be reduced to 3 in. if the batts and blankets (Item 3) are used as shown in the above illustration (Alternate Insulation Placement) and are firmly packed against the intersection of the bottom chords and the plywood sheathing.
3. **Batts and Blankets* --** (Optional) -- Glass fiber insulation, secured to the wood structural panels with staples spaced 12 in. OC or to the trusses with 0.090 in. diam galv steel wires spaced 12 in. OC. Any glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance, having a min density of
0.5 pcf. As an option, the insulation may be fitted in the concealed space, draped over the resilient channel/gypsum wallboard ceiling membrane when resilient channels and gypsum wallboard attachment is modified as specified in Items 6 and 7. The finished rating has only been determined when the insulation is secured to the decking.
3A. **Loose Fill Material* --** As an alternate to Item 3 -- Any thickness of loose fill material bearing the UL Classification Marking for Surface Burning Characteristics, having a min density of 0.5 pcf, fitted in the concealed space, draped over the resilient channel/gypsum wallboard ceiling membrane when resilient channels and gypsum wallboard attachment is modified as specified in Items 6 and 7. The finished rating when loose fill material is used has not been determined.
4 **Air Duct* --** Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.
5 **Ceiling Damper* --** Max nom area, 324 sq in. Max square size, 18 in. by 18 in. rectangular sizes not to exceed 324 sq in. with a max width of 18 in. Max damper height is 14 in. Installed in accordance with manufacturers installation instructions provided with the damper. Max damper openings not to exceed 162 sq in. per 100 sq ft of ceiling area.

C&S AIR PRODUCTS --Model RD-521 **POTTORFF --**Model CFD-521
5A. **Alternate Ceiling Damper* --** Max nom area, 196 sq in. Max square size, 14 in. by 14 in. Rectangular sizes not to exceed 196 sq in. with a max width of 24 in. Max overall damper height is 7 in. Installed in accordance with the manufacturers installation instructions provided with the damper. Max damper openings not to exceed 196 sq in. per 100 sq ft of ceiling area.
C&S AIR PRODUCTS --Model RD-521-BT **POTTORFF --**Model CFD-521-BT.
6. **Furring Channels --** Resilient channels, nom. 1/2 in. deep by 2-3/8 in. wide at the base and 1-3/8 in. wide at the face, formed from 0.020 in. thick galv steel. Installed perpendicular to the trusses (Item 2), spaced a max of 16 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum wallboard ceiling membrane. Two courses of resilient channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channels oriented opposite at wallboard butt-joints. Channel splices overlapped 4 in. beneath wood trusses. Channels secured to each truss with 1-1/4 in. long Type S screws.
6A. **Steel Framing Members --** (As an alternate to Item 6, furring channels and Steel Framing Members as described below:
a. **Furring Channels --** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to trusses when no insulation (Items 3 or 3A) is fitted in the concealed space or 12 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum wallboard ceiling membrane or 24 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum wallboard ceiling membrane and a second layer of gypsum board is attached as described in Item 7 for steel framing members. Channels secured to joists as described in Item
b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap.
b. **Steel Framing Members --** Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC and secured to alternating trusses with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the wallboard butt joints, as described in Item 7.
PAC INTERNATIONAL INC --Type RSIC-1.
7. **Gypsum Board* --** One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in. long Type S bugle-head screws. Screws spaced a max of 12 in. OC along butted end-joints and in the field when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or a max of 8 in. OC along butted end-joints and in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum wallboard ceiling membrane.
When **Steel Framing Members*** (Item 6A) are used, sheets installed with long dimension perpendicular to furring channels and side joints of sheet located beneath trusses. Wallboard screws are driven through channel spaced 12 in. OC in the field when no insulation (Item 3 or 3A) is fitted in the concealed space, or 8 in. OC in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum wallboard ceiling membrane. Wallboard butt joints shall be staggered min. 2 ft. within the assembly, and occur between the main furring channels. At the wallboard butt joints, each end of the gypsum board shall be supported by a single length of furring channel equal to the width of the wallboard plus 6 in. on each end. The furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to the trusses with one RSIC-1 clip at each end of the channel. Screw spacing along the butt joint to attach the wallboard to the furring channels shall be 8 in. OC. Second (outer) layer of gypsum board required when furring channels (Item 6A, a) are spaced 24 in. OC and insulation is fitted in the concealed space, draped over the furring channel/gypsum wallboard ceiling membrane. Outer layer of gypsum board attached to the furring channels using 1-5/8 in. long Type S bugle-head screws spaced 8 in. OC at butted joints and 12 in. OC in the field. Butted end joints of outer layer to be offset a minimum of 8 in. from base layer end joints. Butted side joints of outer layer to be offset minimum 18 in. from butted side joints of base layer.
CANADIAN GYPSUM COMPANY --Types C, IP-X2, IPC-AR. **USG MEXICO S ADE C V --**Types C, IP-X2, IPC-AR.
8. **Finishing System --** (Not Shown) -- Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum wallboard. **Alternate Ceiling Membrane --** Not Shown.
9. **Steel Framing Members --**
a. **Main runners --** Installed perpendicular to Structural Steel Members -- Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of Structural Steel Members with 12 SWG galv steel wire. Wires located a max of 48 in. OC.
b. **Cross tees or channels --** Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 ft long, 1-1/2 wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted wallboard end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.
c. **Wall angles or channels --** Used to support steel framing member ends and for screw-attachment of the gypsum wallboard -- Min 0.016 in. thick painted or galvanized steel angle with 1 in. legs or min. 0.016 in. thick painted or galvanized steel channel withа1by 1-1/2 by 1 in. profile, attached to walls at perimeter of ceiling with fasteners 16 in. OC.
CGC INTERIORS, DIV OF CGC INC -- Type DGL or RX. **USG INTERIORS INC --** Type DGL or RX.
10. **Gypsum Board* --** For use with Steel Framing Members (Item 9) when Batts and Blankets* (Item 6) are not used -One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to the main runners. Wallboard fastened to each cross tee or channel with five wallboard screws, with one screw located at the midspan of the cross tee or channel, one screw located 12 in. from and on each side of the cross tee or channel mid span and one screw located 1-1/2 in. from each wallboard side joint. Except at wallboard end joints, wallboard screws shall be located on alternating sides of cross tee flange. At wallboard end joints, wallboard screws shall be located 1/2 in. from the joint. Wallboard fastened to main runners with wallboard screws 1/2 in. from side joints, midway between intersections with cross tees or channels (16 in. OC). End joints of adjacent wallboard sheets shall be staggered not less than 32 in. Wallboard sheets screw attached to leg of wall angle with wallboard screws spaced 12 in. OC. Joints treated as described in Item 7.For use with **Steel Framing Members*** (Item 9) when **Batts and Blankets*** (Item 6) are used -Ratings limited to 1 Hour -5/8 in. thick, 4 ft wide; installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Fastened to cross tees with 1 in. long steel wallboard screws spaced 8 in. OC in the field and 8 in. OC along end joints. Fastened to main runners with 1 in. long wallboard screws spaced midway between cross tees. Screws along sides and ends of boards spaced 3/8 to 1/2 in. from board edge. End joints of the sheets
shall be staggered with spacing between joints on adjacent boards not less than 4 ft OC. **CANADIAN GYPSUM COMPANY --** Type C or IP-X2. **UNITED STATES GYPSUM CO --** Type C or IP-X2.
USG MEXICO S A DE C V -- Type C or IP-X2.
*Bearing the UL Classification Mark

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 35367 STATE OF MISSISSIPPI 7/31/2018

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
UL Listings

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
T002

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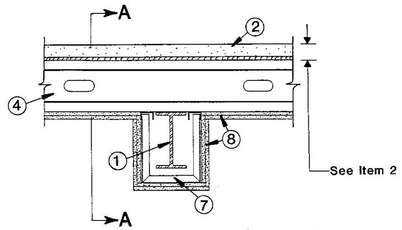
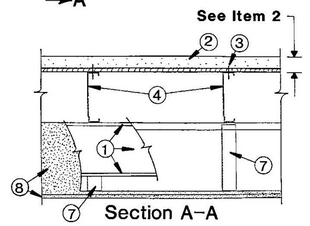
Home2Suites Vicksburg

DESIGN NO. L524

Unrestrained Assembly Rating—1Hr. Unrestrained Beam Rating—1Hr.





Section A–A

1. **Steel Beam —** W8x15, min size.
2. **Flooring Systems —** The finish flooring, vapor barrier and subflooring may consist of any of the following systems.

System No. 1 Finish Flooring — Min. nom 19/32 in. thick wood structural panels, min grade ''Underlayment'' or ''Single Floor''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. Long edges to be T&G.
System No. 2 Finish Flooring — Min. nom 19/32 in. thick wood structural panels, min grade ''Underlayment'' or ''Single Floor''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. Long edges to be T&G. **Vapor Barrier** — Commercial rosin-sized building paper, 0.010 in. thick. **Subflooring** — Min nom 15/32 in. thick plywood or 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
System No. 3 Finish Flooring — Floor Topping Mixture* — Compressive strength 1500 psi min, thickness to be 1 in. min. Refer to manufacturer's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO —Levelrock 2500, Levelrock RH **Vapor Barrier — (Optional)** — Commercial asphalt saturated felt,
0.030 in. thick. **Subflooring** — Min nom 15/32 in. thick wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Floor Mat Materials* — (Optional) — Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.
UNITED STATES GYPSUM CO — Type USG Sound Mat **Alternate Floor Mat Materials* —** (Optional) -Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.
UNITED STATES GYPSUM CO — Levelrock Brand Sound Reduction Board
System No. 4 Finish Flooring — Floor Topping Mixture* — 10-13 gal. of water to 170 lbs. of floor topping mixture to 595 lbs. of sand. Compressive strength 900 psi min. Thickness to be 3/4 in. min when used with 19/32 in. thick subflooring and 1 in. min when used with 15/32 in. thick subflooring.
ORTECRETE CORP —Type II. **Subflooring** — Min nom 15/32 in. thick wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
System No. 5 Finish Flooring — Floor Topping Mixture* — Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mix at rate of 1.4 cu ft of preformed foam to 94 lbs Type I Portland cement and 300 lbs of sand with 5-1/2 gal of water. Cast density of floor topping mixture 100 plus or minus 5 pcf. Min compressive strength 1000 psi. Thickness 1-1/2 in.
ELASTIZELL CORP OF AMERICA —Type FF. **Vapor Barrier** — (Optional)— Commercial asphalt saturated felt, 0.030 in thick. **Subflooring** — Min nom 19/32 in. thick wood structural panels min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
System No. 6 Finish Flooring — Floor Topping Mixture* — 6.8 gal of water to 80 lbs bag of floor topping mixture to 1.9 cu ft of sand. Compressive strength to be 1100 psi min. Thickness to be 3/4 in. min.
HACKER INDUSTRIES INC — Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 4010, Firm-Fill High Strength, Gyp-Span Radiant.
Floor Mat Materials* — (Optional)— Floor mat material nom 1/4 in. thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1-1/2 in. of floor-topping mixture.
HACKER INDUSTRIES INC —Type Sound-Mat. **Vapor Barrier** — (Optional) Commercial asphalt saturated felt 0.030 in. thick. **Subflooring** — Min nom 19/32 in. thick wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
System No. 7 Floor Topping Mixture* — Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through a foam nozzle. Mix at rate of 1.4 cu ft of preformed foam to 94 lbs Type I Portland Cement,
62.5 lb of Pea Gravel and 312.5 lbs of sand, with approximately 5.5 gal of water. Cast density of Floor Topping Mixture 100 (+ or -) 5 pcf. Min compressive strength 1000 psi. Thickness 1 in.
LITE-CRETE INC —Type I. **Vapor Barrier — (Optional) —** Commercial asphalt saturated felt,
0.030 in. thick. **Subflooring** — Min nom 15/32 in. thick wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
System No. 8 Finish Flooring — Floor Topping Mixture* — Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through a nozzle. Mix 94 lbs cement, 300 lbs sand, approximately 5.4 gal water,
1.2 cu ft preformed foam, 5 oz Type N fiber and 4 oz Component Z. Cast density of floor topping mixture shall be 105 (+ or -) 5 pcf with a min compressive strength of 1200 psi. Min thickness shall be 3/4 in.

ELASTIZELL CORP OF AMERICA —Type ZC. **Subflooring** — Min nom 19/32 in. thick wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
System No. 9 Finish Flooring — Floor Topping Mixture* — 5 to 8 gal of water to 80 lbs of floor topping mixture to 2.1 cu ft of sand. Min compressive strength 1000 psi. Min thickness of 3/4 in.
ULTRA QUIET FLOORS — Types UQF-A, UQF-Super Blend, UQF-Plus 2000. **Vapor Barrier — (Optional)** — Commercial asphalt saturated felt,
0.030 in. thick. **Subflooring** — Min nom 19/32 in. thick wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
System No. 10 Finish Flooring — Floor Topping Mixture* — 3 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.0 to 2.1 cu ft of sand. Compressive strength to be 1000 psi min. Thickness to be 3/4 in. min when used with 19/32 in. thick sub-flooring or 1 in. min when used with 15/32 in. thick sub-flooring.
MAXXON CORP —Type D-C, GC, GC2000, L-R or T-F. **Floor Mat Material*** — (Optional)— Floor mat material nom 1/4 in. thick adhered to sub-floor with Maxxon Floor Primer. Primer to be
applied to the surface of the mat prior to lath placement.
MAXXON CORP —Type Acousti-Mat. **Metal lath** — For use with floor mat material, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Floor topping thickness a nom 1 in. over the floor mat. **Alternate Floor Mat Materials*—(Optional)** —Floor mat material nom 1/4 in. thick loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness a min 1 in. over the floor mat.
MAXXON CORP — Type Acousti-Mat II. **Vapor Barrier — (Optional)** — Commercial asphalt saturated felt 0.030 in. thick. **Subflooring** — Min nom 15/32 in. thick wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
System No. 11 Finish Flooring — Floor Topping Mixture* — 4 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.4 to 1.9 cu ft of sand. Compressive strength to be 1200 psi min. Thickness to be 3/4 in. min when used with 19/32 in. thick sub-flooring or 1 in. min when used with 15/32 in. thick sub-flooring.
RAPID FLOOR SYSTEMS —Type RF, RFF or RFU. **Floor Mat Material*** — (Optional)— Floor mat material nom 1/4 in. thick adhered to sub-floor with Maxxon Floor Primer. Primer to be applied to the surface of the mat prior to lath placement.
MAXXON CORP —Type Acousti-Mat. **Metal lath** — For use with floor mat material, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Floor topping thickness a nom 1 in. over the floor mat. **Alternate Floor Mat Materials*—(Optional)** —Floor mat material nom 1/4 in. thick loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness a min 1 in. over the floor mat.
MAXXON CORP — Type Acousti-Mat II. **Vapor Barrier — (Optional)** — Commercial asphalt saturated felt 0.030 in. thick. **Subflooring** — Min nom 15/32 in. thick wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
System No. 12 Finish Flooring — Mineral and Fiber board*, sizes ranging from 3 ft by 4 ft to 8 ft by 12 ft, by min 1/2 in. thick. All joints to be staggered a min of 12 in. OC with adjacent sub-floor joints.
HOMASOTE CO —Type 440-32 Mineral and Fiber Board **Sub-flooring** —1in. by6in.T&G fastened diagonally to joists; or min nom 15/32 in. thick plywood or 7/16 in. oriented strand board (OSB) wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
System No. 13 Finish Flooring — Floor Topping Mixture* — Compressive strength to be 2100 psi minimum. Thickness to be 1/2 in. minimum when used with 19/32 in. thick wood structural panels; or 3/4 in. when used with 15/32 in. thick wood structural panels. Refer to manufacturer's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO —Levelrock 3500, Levelrock
Commercial RH **Vapor Barrier — (Optional) —** Commercial asphalt saturated felt 0.030 in. thick. **Sub-flooring —** 15/32 or 19/32 in. thick wood structural panels min grade ''C-D'' or ''Sheathing''. Face grain of plywood to be perpendicular to joists with joints staggered.
Floor Mat Materials* — (Optional) — Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.
UNITED STATES GYPSUM CO —Type USG Sound Mat **Alternate Floor Mat Materials* —** (Optional) -Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.
UNITED STATES GYPSUM CO — Levelrock Brand Sound Reduction Board
System No. 14 Finish Flooring — Floor Topping Mixture* — Compressive strength to be 3000 psi minimum. Thickness to be 1/2 in. minimum when used with 19/32 in. thick wood structural panels; or 3/4 in. when used with 15/32 in. thick wood structural panels. Refer to manufacturer's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO —Levelrock 4500

Vapor Barrier — (Optional) — Commercial asphalt saturated felt 0.030 in. thick. **Sub-flooring —** 15/32 or 19/32 in. thick wood structural panels min grade ''C-D'' or ''Sheathing''. Face grain of plywood to be perpendicular to joists with joints staggered.
Floor Mat Materials* — (Optional) — Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.
UNITED STATES GYPSUM CO — Type USG Sound Mat **Alternate Floor Mat Materials* —** (Optional) -Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.
UNITED STATES GYPSUM CO — Levelrock Brand Sound Reduction Board
System No. 15 Finish Flooring — Floor Topping Mixture* — Compressive strength to be 3000 psi minimum. Thickness to be 3/4 in. minimum when used with 19/32 in. thick wood structural panels; or 1 in. when used with 15/32 in. thick wood structural panels. Refer to manufacturer's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO —Levelrock SLC **Vapor Barrier — (Optional) —** Commercial asphalt saturated felt 0.030 in. thick. **Sub-flooring —** 15/32 or 19/32 in. thick wood structural panels min grade ''C-D'' or ''Sheathing''. Face grain of plywood to be perpendicular to joists with joints staggered.
Floor Mat Materials* — (Optional) — Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.
UNITED STATES GYPSUM CO —Type USG Sound Mat **Alternate Floor Mat Materials* —** (Optional) -Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.
UNITED STATES GYPSUM CO — Levelrock Brand Sound Reduction Board
System No. 16 Finish Flooring—Floor Topping Mixture* — Foam concentrate mixed
40:1 by volume with water and expanded at 100 psi through nozzle. Mix a rate of 1.2 cu ft of preformed foam to 94 lbs Type I Portland cement and 300 lbs of sand with 5-1/2 gal of water. Cast density of floor topping mixture 100 plus or minus 5 pcf. Min compressive strength of 1000 psi. Thickness 1-1/2 in.
CELLULAR CONCRETE L L C Vapor barrier — (Optional) — Commercial asphalt saturated felt,
0.030 in. thick. **Subflooring** — 15/32 or 19/32 in. thick wood structural panels, min grade ''C-D'' or ''Sheathing''. Face grain of plywood to be perpendicular to joists with joints staggered.

1. **Flooring Fasteners —** The subflooring (first layer) of each floor system or finish flooring (System No. 1) is to be fastened to the steel joists with Type S12 by 1-15/16 in. long self-drilling, pilot point, steel screws. The screws are to be spaced 6 in. OC around the perimeter of the floor and at all end (butt) joints of the subflooring panels. Spacing in the field to be 10 in. OC. For flooring system No. 2, the finish flooring is to be fastened to the subflooring with Type S12 by 2 in. long steel screws spaced 6 in. OC around the perimeter of the floor and at all end (butt) joints of the finish flooring panels. Spacing in the field to be 10 in. OC with rows of screws spaced 16 in. OC.
2. **Steel Joists —** The joists are channel-shaped, 7 in. min depth with 1-5/8 in. min width flanges and 1/2 in. long stiffening flanges. The joists are fabricated from min of No. 18 MSG, galv steel. Min yield strength of steel is either 33,000 or 40,000 psi with corresponding max working stress of 20,000 and 24,000 psi. Joists spaced max 24 in. OC. At joist splices bearing on supports, joists are overlapped a min of 3 in.
3. **Joist Stiffeners —** (Not shown.) Min No. 18 MSG, galv steel. Stiffeners are channel-shaped, 6-13/16 in. long, 3-1/2 in. deep with 1-5/8 in. flanges and 1/2 in. stiffening flanges. The joists stiffeners are used at all bearing locations of the joists.
4. **Joist Bridging —** (Not shown.) — Installed immediately after joists are erected and before construction loads are applied. The bridging consisting of cut to length joist section is placed between outer supports, adjacent to openings and at mid span with 8 ft. O.C. max spacing. Bridging channels are screw-attached at each end to joist webs using angle clips. V-bracing of 1-1/2 in. by 20-gal galvanized steel is screw-attached to bottom joist flange between bridging channels.
5. **Beam Cage —** The cage used to support the gypsum wallboard beam protection is fabricated from No. 24 MSG, electrogalvanized steel angle with 7/8 by 1-3/8 in. legs and No. 25 MSG, electrogalvanized steel channel studs, 2-1/2 in. wide with 1 in. legs. Angles are fastened to the steel joists using 1/2 in. pan head steel sheet metal screws.

8. **Gypsum Board* — For Ceiling —** Two layers of 1/2 in. thick sheets installed with long dimensions perpendicular to joists. Inner layer attached to steel joists using 1 in. long, Type S12 bugle head steel screws spaced 8 in. O.C. at the butt joints located 1/2 in. from the edges and spaced 12 in. O.C. in the field. Butt joints to occur over joists. Outer layer attached to assembly using 1-1/2 in. long, Type G bugle head steel screws at the butt joints, spaced 8 in. O.C. and located 3/4 in. from the edge, and in the field with 1-5/8 in. long, Type S12 bugle head steel screws spaced 12 in. O.C. along the joists. Butt joints of outer layer to occur between joists. Edge joints to be staggered from inner layer. **For Beam —** Two layers of 1/2 in. gypsum wallboard, inner layer fastened to beam cage using 1 in. long, Type S12 bugle head steel screws spaced 12 in. OC and outer layer fastened to cage using 1-5/8 in. long, Type S12 bugle head steel screws spaced 12 in. OC. Joints are to be staggered.
AMERICAN GYPSUM CO —Types AG-C, AGX-C. **BPB AMERICA INC** —Type FRPC, ProRoc Type C. **BPB CANADA INC** — ProRoc Type C. **CANADIAN GYPSUM COMPANY** —Type C. **G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP** —Type 5. **LAFARGE NORTH AMERICA INC** —Types LGFC-C, LGFC
C/A. **NATIONAL GYPSUM CO** —Types FSK-C, FSW-C. **PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC** —Type PG-C. **STANDARD GYPSUM L L C** —Type SG-C. **TEMPLE-INLAND FOREST PRODUCTS CORP** —Type TG-C. **UNITED STATES GYPSUM CO** —Type C. **USG MEXICO S A DE C V** —Type C.
ALTERNATE CEILING MEMBRANE — Not Shown.
9. **Hanger Wire —** For use with Item 10 -No. 12 SWG galv steel wire secured to steel joists spaced a max 48 in. OC.
10. **Steel Framing Members —** To be installed below the bottom flange of the steel beam.
a. **Main runners —** Installed perpendicular to Structural Steel Members, -Nom 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of Structural Steel Members with 12 SWG galv steel wire. Wires located a max of 48 in. OC.
b. **Cross tees or channels —** Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 ft long, 1-1/2 in. wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted wallboard end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.
c. **Wall angles or channels —** Used to support steel framing member ends and for screw-attachment of the gypsum wallboard -Painted or galvanized steel angles with 1 in. legs or channels with 1 in. legs and 1-9/16 in. deep, attached to walls at perimeter of ceiling with fasteners 16 in. OC.

CGC INTERIORS, DIV OF CGC INC — Type DGL or RX. **USG INTERIORS INC** — Type DGL or RX.
11. **Gypsum Board* —** For use with Steel Framing Members (Item 10) Two layers of nominal 1/2 in. thick by 48 in. wide boards. Inner layer installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Inner layer fastened to cross tees with 1-1/4 in. long Type S bugle-head steel screws spaced 8 in. OC along butted end joints and 12 in. OC in the field of the board. End joints of adjacent wallboard sheets shall be staggered not less than 4 ft OC. Outer layer attached to the cross tees through inner layer using 1-7/8 in. long Type S bugle-head steel screws spaced 8 in. OC at butted end joints and 12 in. OC in the field. Butted end joints to be centered along cross tees and be offset a min of 32 in. from end joints of inner layer. Rows of screws on both sides of butted end joints of each layer shall be located 3/8 to 1/2 in. from end joints. Butted side joints of outer layer to be offset a min of 18 in. from butted side joints of inner layer.
CANADIAN GYPSUM COMPANY — Type C. **UNITED STATES GYPSUM CO** — Type C. **USG MEXICO S A DE C V** — Type C.
*Bearing the UL Classification Mark

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI 7/31/2018

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
UL Listings

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
T003

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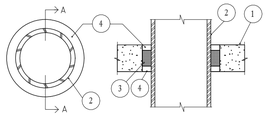
Home2Suites Vicksburg

SYSTEM NO. CAJ1015
(FORMERLY SYSTEM NO. 143)
F RATING– 2 HR.
T RATING– 0 HR.
L RATING AT AMBIENT–LESS THAN 1 CFM /sq. ft. (SEE ITEM 4)
L RATING AT 400 F–LESS THAN 1 CFM/ sq. ft. (SEE ITEM 4)



SECTION A-A

1. FLOOR OR WALL ASSEMBLY– MIN.2–1/2 in. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100–150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCK*. MAX. DIAM. OF OPENING IS 6 in. .

SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. THROUGH PENETRANTS– ONE METALLIC PIPE. , CONDUIT OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. A NOM. ANNULAR SPACE OF 3/4 in. IS REQUIRED WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE NOM. 4 in. DIAM. (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.

B. CONDUIT NOM. 4 in. DIAM. (OR SMALLER) STEEL ELECTRICAL MATALLIC TUBING OR STEEL CONDUIT.

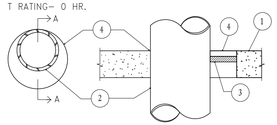
PACKING MATERIAL– MIN 1–1/2 in. THICKNESS OF MIN. 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM BOTH SURFACES OF FLOOR OR WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL

4. FILL, VOID OR CAVITY MATERIAL*–SEALANT –MIN. 1/2 in. THICKNESS OF FILL MATERIAL TO BE APPLIED AT BOTH SURFACES OF FLOOR OR WALL ASSEMBLY.

MINNESOTA MINING & MFG. CO.– TYPES FB–2000 , FB–2000+ ,FB–2003 (TOP SURFACE OF FLOORS ONLY). (NOTE: L RATINGS APPLY WHEN FB–2000+ IS USED)

* BEARING THE UL CLASSSIFICATION MARKING

SYSTEM NO. CAJ1001
(FORMERLY SYSTEM NO. 49)
F RATING– 3 HR.
T RATING– 0 HR.



SECTION A-A

1. FLOOR OR WALL ASSEMBLY– MIN 4–1/2 in THICK LIGHTWEIGHT OR NORMAL WEIGHT (100–150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM. OF CIRCULAR THROUGH OPENING IS 22–1/2"IN.

SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANFACTURERS.

1A. STEEL SLEEVE – (OPTIONAL, NOT SHOWN)– NOM 12 in. DIAM. (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO CONCRETE FLOOR OR WALL. SLEEVE TO BE FLUSH WITH OR PROJECT MAX 2 in. FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL.

2. PIPE OR CONDUIT –NOM. 20 IN. DIAM. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 6 in. DIAM. (OR SMALLER) RIGID STEEL CONDUIT OR TYPE L (OR HEAVIER) COPPER TUBE, NOM 4 in. DIAM. (OR SMALLER) CAST IRON PIPE OR STEEL EMT. MAX ONE PIPE OR CONDUIT PER THROUGH OPENING . MAX ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF THROUGH OPENING NOT TO EXCEED 2–1/2 in. MIN. ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF THROUGH OPENING IS ZERO IN. (POINT CONTACT). PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

3. PACKING MATERIAL– POLYETHYLENE BACKER ROD OR NOM 1 in. THICKNESS OF TIGHTLY–PACKED CERAMIC (ALUMINA SILICA) FIBER BLANKET. MINERAL–WOOL BATT OR GLASS FIBER INSULATION MATERIAL USED AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4). AS AN ALTERNATE WHEN MAX PIPE SIZE IS 10 in. DIAM. AND WHEN MAX ANNULAR SPACE IS 1 in. A MIN. 1 in. THICKNESS OF TIGHTLY–PACKED CERAMIC FIBER BLANKET OR MINERAL–WOOL BATT PACKING MATERIAL MAY BE RECESSED MIN 1/2 in. FROM BOTTOM SURFACE OF FLOOR OR FROM EITHER SIDE OF WALL.

4. FILL, VOID OR CAVITY MATERIALS–CAULK– APPLIED TO FILL ANNULAR SPACE TO THE MIN. THICKNESS SHOWN IN THE FOLLOWING TABLE:

MAX. PIPE DIAM. IN.	MAX ANNULAR SPACE IN	PACKING MATERIAL TYPE (a)	MIN CALUK THKNS IN
10	1	BR, CF, GF OR MW	1/2 (b)
10	1	CF OR MW	1/2 (C)
20	2–1/2	BR, CF, GF OR MW	1 (b)

(a) BR= POLYETHYLENE BACKER ROD
CF= CERAMIC FIBER BLANKET.
GF= GLASS FIBER INSULATION
MW= MINERAL–WOOL BATT

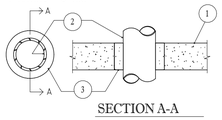
(b) CAULK INSTALLED FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL

(C) CAULK INSTALLED FLUSH WITH BOTTOM SURFACE OF FLOOR OR ONE SURFACE OF WALL

MINNESOTA MINING & MFG. CO.– –TYPE CP 25 N/S

*BEARING THE UL CLASSIFICATION MARKING

SYSTEM NO. CAJ1041
(FORMERLY SYSTEM NO. 283)
F RATING– 2 HR.
T RATING– 0 HR.



SECTION A-A

1. FLOOR OR WALL ASSEMBLY– MIN. 3–1/4 in. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100–150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCK*. MAX. DIAM. OF OPENING 6 in. .

SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANFACTURERS.

2. THROUGH PENETRANTS– ONE METALLIC PIPE, CONDUIT OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. A NOM. ANNULAR SPACE OF 3/4 in. IS REQUIRED WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE NOM. 4 in. DIAM. (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.

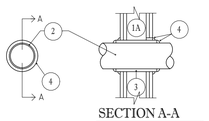
B. CONDUIT NOM. 4 in. DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL CONDUIT.

3. FILL, VOID OR CAVITY MATERIAL*–PUTTY –MIN. 3–1/4 in. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF FLOOR OR WALL.

NELSON FIRESTOP PRODUCTS– TYPE FSP PUTTY

*BEARING THE UL CLASSIFICATION MARKING

SYSTEM NO. WL2082
F RATING– 1 AND 2 HR. (SEE ITEM 1)
T RATING– 1 HR.



SECTION A-A

1. WALL ASSEMBLY– THE 1 OR 2 H FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM. 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2–1/2 IN. WIDE AND SPACED MAX 24 IN. OC.

B. WALLBOARD, GYPSUM* – ONE OR TWO LAYERS OF NOM 1/2 OR 5/8 IN. THICK GYPSUM WALLBOARD AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. THROUGH PENETRANTS – ONE NONMETALLIC PIPE TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. PIPE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES MAY BE USED:

A. POLYVINYL CHLORIDE (PVC) PIPE – NOM 2 AND 3 IN. DIAM. SCHEDULE 40 PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.

B. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE – NOM 2 AND 3 IN. DIAM. SDR17 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEM.

3. FIRESTOP DEVICE – GALV. STEEL COLLAR LINED WITH INTUMESCENT WRAP STRIPS SIZED TO FIT THE SPECIFIC DIAM. OF THE THROUGH–PENETRANT. PRIOR TO THE INSTALLATION OF THE DEVICE INTO THE OPENING, THE GYPSUM WALLBOARD IS TO BE NOTCHED ON ONE SIDE OF WALL TO ALLOW THE INSERTION OF THE DEVICE WITH THE HOSE CLAMP INTO THE OPENING. NOTCHED OPENING TO BE COMPLETELY FILLED WITH FILL, VOID OR CAVITY MATERIAL (ITEM 4). DEVICE SHALL BE INSTALLED AROUND THROUGH–PENETRANT IN ACCORDANCE WITH ACCOMPANYING INSTALLATION INSTRUCTIONS. THE DEVICE SIZE, DIAM. OF OPENING IN WALL AND ANNULAR SPACE BETWEEN PIPE AND PERIPHERY OF OPENING IS DEPENDENT UPON THE PIPE DIAM. AS SHOWN IN THE FOLLOWING TABLE:

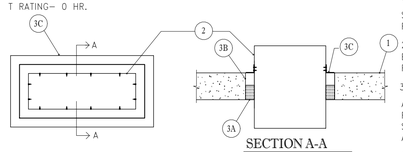
MAX. PIPE DIAM. (IN.)	DEVICE SIZE	DIAM. OF OPENING (IN.)	ANNULAR SPACE
2	TS2	3–1/2	5/8
3	TS3	4–3/4	9/16

TREMCO INC. – FYRE–CAN SLEEVE
THE FIRE CAN MANUFACTURING CO., INC. – FYRE–CAN SLEEVE

4. FILL, VOID OR CAVITY MATERIAL* – CAULK – MIN. 1/4 IN. BEAD OF FILL MATERIAL TO BE APPLIED AT THE INTERFACE OF THE GYPSUM WALL AND FIRESTOP DEVICE AND AT THE INTERFACE OF THE PIPE AND FIRESTOP DEVICE. ADDITIONAL FILL MATERIAL TO BE APPLIED TO FILL THE NOTCH CREATED FOR THE HOSE CLAMP TO THE FULL DEPTH OF THE WALLBOARD.
TREMCO INC. – TREMSTOP WBM

*BEARING THE UL CLASSIFICATION MARKING

SYSTEM NO. CAJ7010
F RATING– 2 HR.
T RATING– 0 HR.



SECTION A-A

1. FLOOR OR WALL ASSEMBLY– MIN.4–1/2 in. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100–150 PCF) CONCRETE.FLOOR OR MIN. 6 in. THICK REIFORCED LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX AREA OF OPENING IS 325 sq.in. WITH MAX DIMENSIONS OF 25 in.

SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANFACTURERS.

2. STEEL DUCT– NOM 24 BY 12 in. (OR SMALLER) NO. 28 GAUGE (OR HEAVIER) STEEL DUCT. ONE DUCT TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM WITH A NOM. 1/2 in. ANNULAR SPACE. STEEL DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

3. FIRESTOP SYSTEM– THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

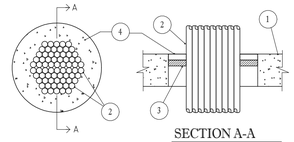
A. PACKING MATERIAL– MIN 3 in.THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR AND FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

B. FILL, VOID OR CAVITY MATERIAL*–PUTTY –MIN. 1–1/2 in. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL.

C. STEEL ANGLE– MIN. 1–1/2 in. WIDE BY 1–1/2in. HIGH BY 0.030 in. (NO. 22 MSG) THICK GALV. STEEL ANGLES CUT TO FIT THE CONTOUR OF THE DUCT WITH A 1 in. LAP ON THE TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL. LEGS OF ANGLES SECURED TO DUCT WITH MIN. NO. 12 SHEET METAL SCREWS , SPACED A MAX 4 in. oc.

*BEARING THE UL CLASSIFICATION MAKING

SYSTEM NO. CAJ3021
(FORMERLY SYSTEM NO. 240)
F RATING– 2 HR.
T RATING– 0 HR.



SECTION A-A

1. FLOOR OR WALL ASSEMBLY– MIN.4–1/2 in. THICK LIGHTWEIGHT OR NORMAL WEIGHT (100–150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCK*. MAX. DIAM. OF OPENING IS 6–1/4 in. .

SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANFACTURERS.

1A. STEEL SLEEVE – (OPTIONAL, NOT SHOWN)– NOM 4 in. DIAM. (OR SAMLLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO FLOOR OR WALL ASSEMBLY. SLEEVE TO BE FLUSH WITH FLOOR OR WALL SURFACES.

2. CABLES– MIN. 12 PERCENT TO MAX 40 PERCENT FILL AREA PER MAX 4 in. DIAM. STEEL SLEEVED THROUGH OPENING . MIN. 20 PERCENT TO MAX 40 PERCENT FILL AREA PER MAX 6–1/4 in. DIAM. UNSLEEVED THROUGH OPENING. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF CABLE MAY BE USED:

A. MAX. NO. 12 AWG MULTIPLE COPPER CONDUCTOR POWER & CONTROL CABLES WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET MATERIALS.

B. MULTIPLE FIBER OPTICAL COMMUNICATION CABLE JACKETED WITH PVC AND HAVING A MAX OUTSIDE DIAM. OF 3/4in. .

C. MAX 150 PAIR NO. 24 AWG COPPER CONDUCTOR TELEPHONE CABLES PVC INSULATION AND JACKET MATERIALS

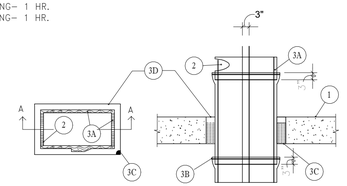
3. PACKING MATERIAL– NOM. 1 in. THICKNESS OF CERAMIC (ALUMINUM SILICA) FIBER BLANKET OR MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED MIN. 1 in. FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL.

4. FILL, VOID , OR CAVITY MATERIALS*–PUTTY– MOLDABLE PUTTY MATERIAL KNEADED BY HAND AND APPLIED TO FILL ANNULAR SPACE (AND INTERSTICES BETWEEN CABLES TO MAX EXTENT POSSIBLE) TO A MIN. DEPTH OF 1 in. FLUSH WITH TOP SURFACE OF FLOOR. IN WALL ASSEMBLIES, REQUIRED PUTTY DEPTH TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL.

MINNESOTA MINING & MFG. CO.– TYPE MPS–2 +

*BEARING THE UL CLASSIFICATION MARKING

SYSTEM NO. CAJ7013
F RATING– 1 HR.
T RATING– 1 HR.



SECTION A-A

1. FLOOR OR WALL ASSEMBLY– MIN.4–1/2 in. THICK REINFORCED NORMAL WEIGHT (140–150 PCF) CONCRETE. FLOOR OR MIN. 4–3/4 in. THICK REIFORCED NORMAL WEIGHT CONCRETE WALL. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX AREA OF OPENING IS 3069 sq.in. WITH A MAX. DIMENSION OF 93 in.

2. STEEL DUCT– MIN. 0.021 in. THICK STEEL DUCT HAVING A MAX PERIMETER DIMENSION OF 216 in. AND A MAX INDIVIDUAL DIMENSION OF 84 in. . ONE DUCT TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. IN ADDITION , FOR DUCTS WITH ANY DIMENSION GREATER THAN 39 in. A 1–1/2in. BY 1–1/2in. by 1/8in. THICK TRANSVERSE STIFFENING ANGLE APPROXIMATELY 2 in. LESS IN LENGTH THAN THE MAX. DIMENSION SHALL BE SCREW ATTACHED 8 in. O.C. TO THE DUCT, 3in. BEYOND THE TOP SURFACE OF THE FLOOR AND BOTH SURFACES OF THE WALL.

3. FIRESTOP SYSTEM– THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. DUCT WRAP MATERIALS* NOM 1–1/2 in. THICK, 6 PCF REFRACTORY CERAMIC BLANKET TOTALLY ENCAPSULATED WITHIN FOIL–SCRIM FACERS. THE STEEL DUCT SHALL BE WRAPPED WITH ONE LAYER OF DUCT WRAP INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLTION INSTRUCTIONS, MAINTAINING MIN. 3 in. TRANSVERSE AND LONGITUDINAL OVERLAPS. ALL CUT EDGES AND ENDS SHALL BE SEALED WITH 3 in. WIDE PRESSURE SENSITIVE ALUMINUM FOIL TAPE. A NOMINAL ANNULAR SPACE OF 3 in. IS REQUIRED BETWEEN THE INSULATED DUCT AND THE PERIPHERY OF THE OPENING.

*MINNESOTA MINING & MFG. CO.– FIREMASTER DUCT WRAP

B. STEEL BANDING STRAPS– 1/2in. WIDE BY 0.015 in. THICK CARBON STEEL BANDING STRAPS USED IN CONJUNCTION WITH 1/2in. WIDE BY 1 in. LONG STAINLESS STEEL CRIMP CLIPS. BANDING STRAPS SPACED A MAX 12 in. OC AND 3 in. FROM TRANSVERSE JOINTS OF DUCT WRAP.

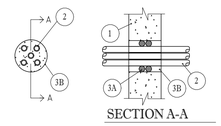
C. PACKING MATERIAL– MIN. 4–1/4 in. THICKNESS OF UNFACED SCRAP DUCT WRAP MATERIAL OR 3 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM THE TOP SURFACE OF THE FLOOR OR BOTH SURFACES OF WALL TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATEIAL.

D. FILL, VOID OR CAVITY MATERIAL*–CAULK –MIN. 1/4in. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.

*MINNESOTA MINING & MFG. CO.– FB–2000+

*BEARING THE UL CLASSIFICATION MARKING

SYSTEM NO. CAJ1036
(FORMERLY SYSTEM NO. 270)
F RATING– 2 HR.
T RATING– 1–1/2 HR.



SECTION A-A

1. FLOOR OR WALL ASSEMBLY– MIN.4–1/2 in. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100–150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX. DIAM. OF OPENING IS 8 in. .

SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANFACTURERS.

2. METALLIC PIPES– NOM. 1 in. DIAM. (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE. A MAX OF FIVE PIPES TO BE INSTALLED WITHIN THE OPENING. THE SPACE BETWEEN PIPES SHALL BE MIN. 1/2 in. THE SPACE BETWEEN PIPES AND PERIPHERY OF OPENING SHALL BE 1/2 in. MAX 3–1/2 in. PIPES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

3. FIRESTOP SYSTEM– THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. PACKING MATERIAL– MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. AS AN OPTION TO THE ABOVE. BACKER ROD AND/OR FOAMED PLASTIC BACKER MATERIAL MAY BE USED.

B. FILL, VOID OR CAVITY MATERIAL*–CAULK –MIN. 1–1/4 in. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL.

THE RECTORSEAL CORP.– METACAULK 950

*BEARING THE UL CLASSSIFICATION MARKING

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2787 Stage Center Dr. Suite 101
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Web: www.innovativees-llc.com

REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI
2018

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
UL Penetrations

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
T004

Released for

Home2Suites Vicksburg

4/8/2019 3:40:39 PM

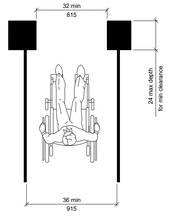


Fig. 1
Minimum Clear Width
for Single Wheelchair

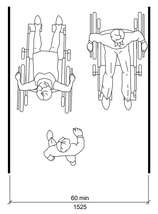
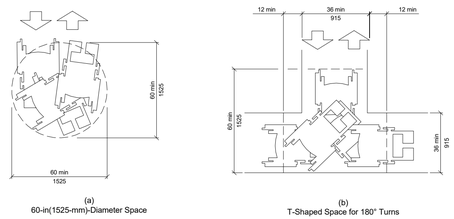


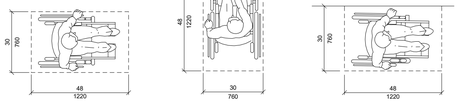
Fig. 2
Minimum Clear Width
for Two Wheelchairs



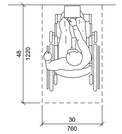
(a)
60-in(1525-mm)-Diameter Space

(b)
T-Shaped Space for 180° Turns

Fig. 3
Wheelchair Turning Space

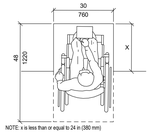


(a)
Clear Floor space

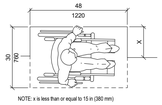


(b)
Forward approach

(c)
Parallel Approach

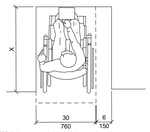


NOTE: x is less than or equal to 24 in (380 mm)

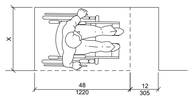


NOTE: x is less than or equal to 15 in (380 mm)

(d)
Clear Floor Space In Alcoves



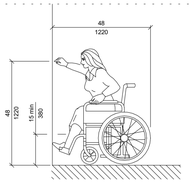
NOTE: if x is greater than 24 in(610 mm), then an additional maneuvering clearance of 6 in (150 mm)shall be provided as shown.



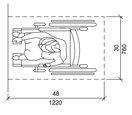
NOTE: if x is greater than 15 in(380 mm), then an additional maneuvering clearance of 12 in (305 mm)shall be provided as shown.

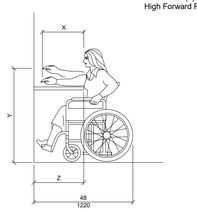
(e)
Additional Maneuvering Clearance for Alcoves

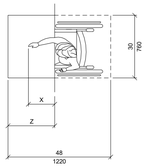
Fig. 4
Minimum Clear Floor Space for Wheelchairs



(a)
High Forward Reach Limit







NOTE: x shall be less than or equal to 25 in(635 mm); z shall be greater than or equal to x. When x is less than 20in (510 mm), then y shall be 48 in(1220 mm) maximum. When x is 20 to 25in(510 to 635mm), then y shall be 44 in (1120 mm) maximum.

(b)
Maximum forward Reach over an obstruction

Fig. 5
Forward Reach

MANEUVERING SPACE & REACH REQUIREMENTS

4.10. Elevators.

4.10.1 General. Accessible elevators shall be on an accessible route and shall comply with 4.10 and with ASME A 17.1.1990. Safety Code for Elevators and escalators. Freight elevators shall not be considered as meeting the requirements of this section unless the only elevators provided are used as combination passenger and freight elevators for the public and employees.

4.10.2 Automatic Operation. Elevator operation shall be automatic. Each car shall be equipped with a self-leveling feature that will automatically bring the car to floor landings within a tolerance of 1/2 in (13 mm) under rated loading to zero loading conditions. This self-leveling feature shall be automatic and independent of the operating device and shall correct the overtravel or undertravel.

4.10.3 Hall Call Buttons. Call buttons in elevator lobbies and halls shall be centered at 42 in (1065 mm) above the floor. Such call buttons shall have visual signals to indicate when each call is registered and when each call is answered. Call buttons shall be a minimum of 3/4 in (19 mm) in the smallest dimension. The button designating the up direction shall be on top. (see fig. 20) Buttons shall be raised or flush. Objects mounted beneath hall call buttons shall not project into the elevator lobby more than 4 in (100 mm).

4.10.4 Hall Lanterns. A visible and audible signal shall sound once for the top direction and twice for the down direction or shall have verbal announcers say up or down. Visible signs shall have the following features.

(1) Hall lantern fixtures shall be mounted so that their centerline is at least 72 in (1830 mm) above the lobby floor (see fig 20).

(2) Visual elements shall be at least 2 1/2 in (54 mm) in the smallest dimension.

(3) Signals shall be visible from the vicinity of the hall call button (see fig. 20). In-car lanterns located in cars, visible from the vicinity of hall call buttons, and conforming to the above requirements, shall be acceptable.

4.10.5 Raised and Braille Characters on Hoistway Entrances. All elevator hoistway entrances shall have raised and Braille floor designations provided on both jambs. The centerline of the characters shall be 60" (1525 mm) above finish floor. Such Characters shall be 2" (50 mm) high and shall comply with 4.30.4. Permanently applied plates are acceptable if they are permanently fixed to the jambs. (see fig. 20).

4.10.6 Door Protective And Reopening Device. Elevator doors shall open and close automatically. They shall be provided with a reopening device that will stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or person. The device shall be capable of completing these operations without requiring contact for an obstruction passing through the opening at heights of 5 in and 29 in (125 mm and 735 mm) above finish floor (see fig. 20). Door reopening devices shall remain effective for at least 20 seconds. After such an interval, doors may close in accordance with the requirements of ASME A17.1-1990.

4.10.7* Door and Signal Timing for Hall Calls. The minimum acceptable time from notification that a car is answering until the doors of that car start to close shall be calculated from the following equation:

T = D/(1.5 ft/s) or T = D/(445 mm/s)

where T = total time in seconds and D = Distance (in feet or mm) from a point in the lobby or corridor 60" (1525 mm) directly in front of the farthest call button controlling that car to the centerline o fits hoistway door (see fig. 21). For cars with in-car lanterns, T begins when the lantern is visible from the vicinity of hall call buttons and an audible signal is sounded. The minimum acceptable notification time shall be 5 seconds.

4.10.8 Door Delay for Car Calls. The minimum time for elevator doors to remain fully open in response to a car call shall be 3 seconds.

4.10.9 Floor Plan of Elevator Cars. The floor area of elevator cars shall provide space for wheelchair users to enter the car, maneuver with in reach of controls, and exit from the car. Acceptable door opening and inside dimensions shall be as shown in Fig 22. The clearance between the car platform sill and the edge of any hoistway landing shall be no greater than 1 1/4"(32mm).

4.10.10 Floor Surfaces. Floor surfaces comply with 4.5.

4.10.11 Illumination Levels. The level of Illumination at the car controls, platform, and car threshold and landing sill shall be at least 5 footcandles (53.8 lux.)

4.10.12* Car Controls. Elevator control panels shall have the following features:

(1) Buttons. All control buttons shall be at least 3/4"(19mm) in their smallest dimension. They shall be raised or flush.

(2) Tactile. Braille, and visual control Indicators. All control buttons shall be designated by Braille and by raised standard alphabet characters for letters, Arabic characters for numerals, or standard symbols as shown in fig.23 (a), and as required in ASME A 17.1-1990. Raised and Braille characters and symbols shall comply with 4.30. The call button for the main entry floor shall be designated by a raised star at the left of the floor designation (see Fig.23 (a)). All raised designations for control buttons shall be placed immediately to the left of the button to which they apply. Applied plates, permanently attached, are an acceptable means to provide raised control designations. Floor buttons shall be provided with visual indicators to show when each call is registered. The visual indicators shall be extinguished when each call is answered.

(3) Height. All floor buttons shall be no higher than 54" (1370mm) above the finish floor for side approach and 48" (1220mm) for front approach. Emergency controls, including the emergency alarm and emergency stop, shall be grouped at the bottom of the panel and shall have their centerlines no less than 35"(890mm) above the finish floor (see fig.23 (a) and (b)).

(4) Location. Controls shall be located on a front wall if cars have center opening doors, and at the side wall or at the front wall next to the door if cars have side opening doors (see fig.23 (c) and (d)).

4.10.13* Car Position Indicators. In elevator cars, a visual car position indicator shall be provided above the car control panel or over the door to show the position of the elevator in the hoistway. As the car passes or stops at a floor served by the elevators the corresponding numerals shall illuminate, and an audible signal shall sound. Numerals shall be a minimum of 1/2"(13mm) high. The audible signal shall be no less than 20 decibels with a frequency no higher than 1500Hz. An automatic verbal announcement of the floor number at which a car stops or which a car passes may be substituted for the audible signal.

4.10.14* Emergency Communications. If provided, emergency two-way communication systems between the elevator and a point outside the hoistway shall comply with ASME A 17.1-1990. The highest operable part of a two-way communication system shall be a maximum of 48"(1220mm) from the floor of the car. It shall be identified by a raised symbol and lettering complying with 4.30 and located adjacent to the device. If the uses a handset then the length of the cord from the panel to the handset shall be at least 29"(735mm). If the system is located in a closed compartment, the compartment door hardware shall conform to 4.27, Controls and Operating Mechanisms. The emergency intercommunication system shall not require voice communication.

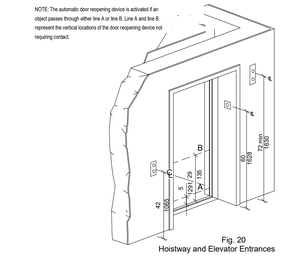


Fig. 20
Hoistway and Elevator Entrances

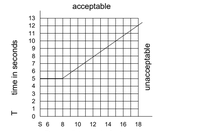
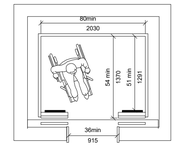
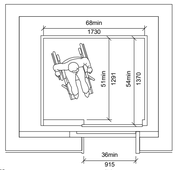


Fig. 21
Graph of Timing Equation

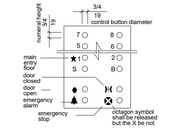


(a)

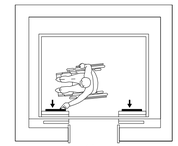


(b)

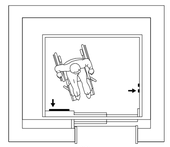
Fig. 22
Minimum Dimensions of Elevator Cars



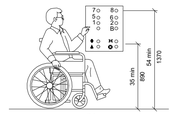
(a)
PAnel Detail



(c)
Alternate Locations of Panel
With Center Opening Door



(d)
Alternate Locations of Panel
With Side Opening Door



(b)
Car Control Height

Fig. 23
Car Controls

ELEVATORS

4.2 Space allowance and Reach Ranges.

4.2.1* Wheelchair Passage Width. The minimum clear width for single wheelchair (815mm) and 36 in.(915 mm) continuously (see fig. 1 and 24 (e)).

4.2.2 Width for Wheelchair Passing. The minimum width for two wheelchairs to pass is 60 in. (1525 mm) (see fig. 2).

4.2.3* Wheelchair turning space. The space required for a wheelchair to make a 180 degree turn is a clear space of 60 in.(1525 mm) diameter (see fig.3 (a)) or a T-shaped space (see fig. 3 (b)).

4.2.4* Clear floor or Ground Space for Wheelchairs.

4.2.4.1 Size and Approach. The minimum clear floor or ground space required to accommodate a single, stationary wheelchair and occupant is 30 in. by 48 in.(760mm by 1220 mm)(see fig.4 (a)). The minimum clear floor or ground space for wheelchairs may be positioned for forward or parallel approach to an object. (see fig.4 (b) and (c)). Clear floor or ground space for wheelchairs may be part of the knee space required under some objects.

4.2.4.2 Relationship of Maneuvering Clearance to Wheelchair Spaces. One full unobstructed side of the clear floor or ground space for a wheelchair shall adjoin or overlap an accessible route or adjoin another wheelchair clear floor space. If a clear floor space is located in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearances shall be provided as shown in fig. 4 (d) and (e).

4.2.4.3. Surfaces for Wheelchair Spaces. Clear floor or ground spaces for wheelchairs shall comply with 4.5.

4.2.5* Forward Reach. If the clear floor space only allows forward approach to an object, the maximum high forward reach allowed shall be 48 in.(1220 mm) see fig.5 (a). The minimum low forward reach is 15 in.(380 mm). If the high forward reach is over an obstruction, reach and clearances shall be as shown in fig. 5(b).

4.2.6* Side Reach. If the clear floor space allows parallel approach by a person in a wheelchair, the maximum high side reach allowed shall be 54 in 91370mm) and the low side reach shall be no less than 9 in.(230 mm) above the floor (fig.6 (a) and (b)). If the side reach is over an obstruction, the reach and clearances shall be as shown in fig.6 (c).

4.3 Accessible Route.

4.3.1* General. All walks, halls, corridors, aisles, skywalks, tunnels, and other spaces that are part of an accessible route shall comply with 4.3.

4.3.2 Location.
(1) At least one accessible route within the boundary of the site shall be provided from public transportation shops, accessible parking, and accessible passenger loading zones, and public streets or sidewalks to the accessible building entrance they serve. The accessible route shall, to the maximum extent feasible coincide with the route for the general public.

(2) At least one accessible shall connect accessible buildings, facilities, elements, and spaces that are on the same Site.

(3) At least one accessible route shall connect accessible building or facility entrances with all accessible spaces and elements and with all accessible dwelling units within the building or facility.

(4) An accessible route shall connect at least one accessible entrance of each accessible dwelling unit with those exterior and interior spaces and facilities that serve the accessible dwelling unit.

4.3.3 Width. The minimum clear width of an accessible route shall be 36 in.(915 mm) except at doors (see 4.13.5 and 4.13.6). Obstruction, the minimum clear width of the accessible route shall be as shown in fig.7 (a) and (b).

4.3.4 Passing Space. If an accessible route has less than 60 in. 91525mm) clear width, then passing spaces at least 60 in. by 60 in.(1525mm by 1525mm) shall be located at reasonable intervals not to exceed 200 ft. (61 m), A T-intersection of two corridors or walks is an acceptable passing place.

4.3.5 Head Room. Accessible routes shall comply with 4.4.2.

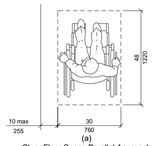
4.3.6 Surface Textures. The surface of an accessible route shall comply with 4.5.

4.3.7 Slope. An accessible route with running slope greater than 1:20 is a ramp and shall comply with 4.8. Nowhere shall the cross slope of an accessible route exceed 1:50.

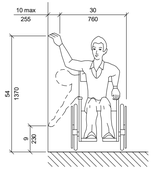
4.3.8 Changes in Levels. Changes in levels along an accessible route shall comply with 4.5.2. If an accessible route has changes in level greater than 1/2"(13mm), then a curb ramp, ramp, elevator, or platform lift (as permitted in 4.1.3 and 4.1.6) shall be provided that complies with 4.7, 4.8, 4.10, or 4.11, respectively. An accessible route does not include stairs, steps, or escalators. See definition of "egress, means of" in 3.5.

4.3.9 Doors. Doors along an accessible route shall comply with 4.13.

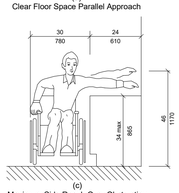
4.3.10 Egress. Accessible routes serving any accessible space or element shall also serve as a means of egress for emergencies or connect to an accessible area of rescue assistance.



(a)
Clear Floor Space Parallel Approach

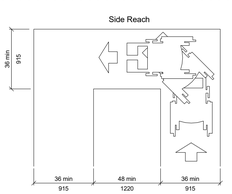


(b)
High and Low Side Reach LImits



(c)
Maximum Side Reach Over Obstruction

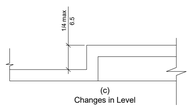
Fig. 6



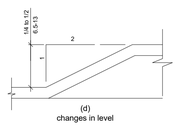
(a)
90°Turn

NOTE: Dimensions Shown apply When x less than 48 in (1220 mm).

(b)
Turns around an Obstruction



(c)
Changes in Level



(d)
changes in level

Flg. 7
Accessible Route

SPACE ALLOWANCES & REACH RANGES

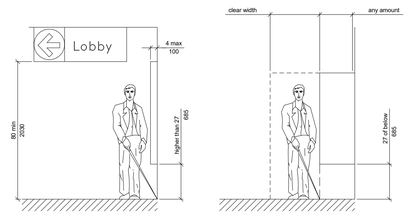


Fig. 8 (a)
Walking Perpendicular to a wall

Fig. 8(b)
Walking Perpendicular to a Wall

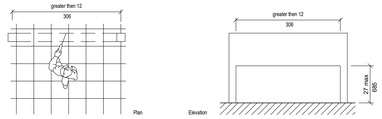


Fig. 8 (c) Free-Standing Overhanging Objects

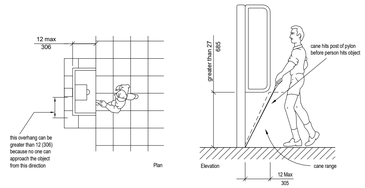


Fig. 8 (d)
Objects Mounted On Posts or Pylons

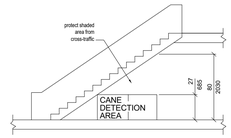


Fig. 8 (c-1) Overhead Hazards

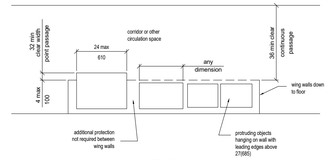


Fig. 8 (e)
Example of Protection around Wall-Mounted Objects and Measurements of Clear Widths

PROTRUDING OBJECTS

MISHRA
ARCHITECTURE PLLC
6800 S Creek Rd, Charlotte, NC 28277
Ph:(704) 625-6554 Fax:(704) 919-5822
EMAIL:ashish@mishraarch.com
WEB: www.mishraarch.com

CIVIL:
Benchmark Engineering and Surveying
101 Highpointe Court, Suite B
Brandon, MS 39042
Phone: (601) 591-1077
Fax: (601) 591-0177
Email:mikebes@bellsouth.net

STRUCTURAL:
Whisonant Engineering Services, LLC
122 Nut Tree Court
Lexington, SC 29074
Phone: (803) 957-4008
Email: bill@weslex.com

MEP:
Innovative Engineering Services
2787 Stage Center Dr. Suite 101
Bartlett, TN 38134
Phone: (662) 890-4220
Web: www.innovativees-llc.com

REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ADA and Code

Phase
Construction Documentss

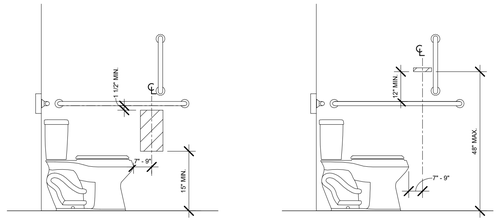
Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Released for

Sheet No.
T005

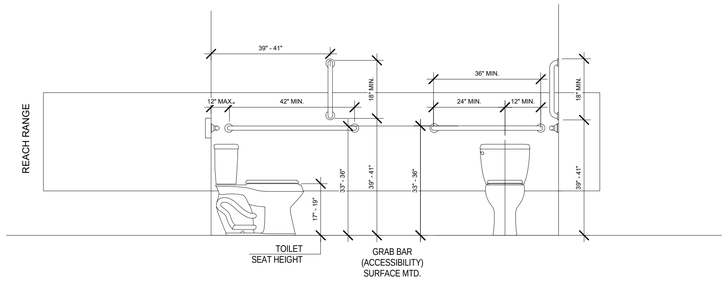
Home2Suites Vicksburg

4/8/2019 3:40:43 PM

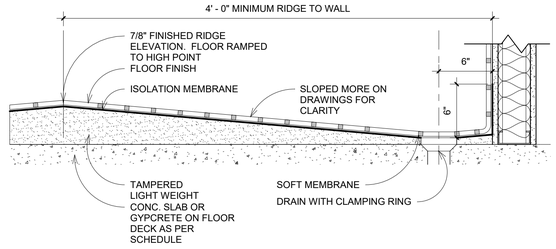


BELOW GRAB BAR ABOVE GRAB BAR

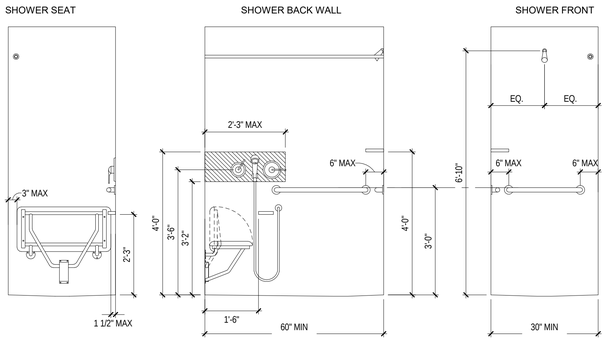
ADA DISPENSERS

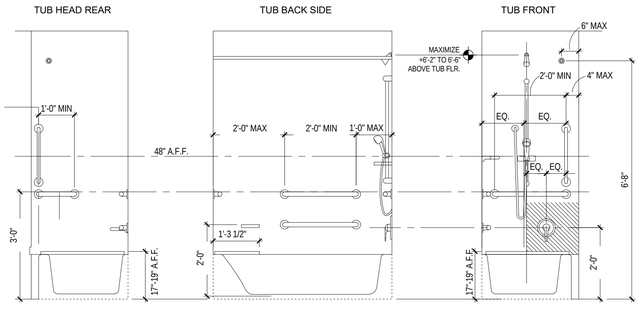


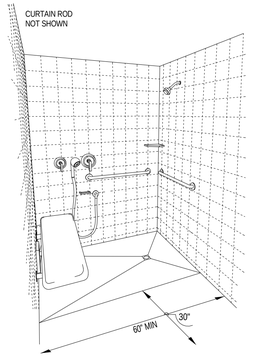
ALL EQUIPMENT CONTROLS SHOULD BE WITHIN REACH RANGE



ADA ROLLIN SHOWER DETAIL

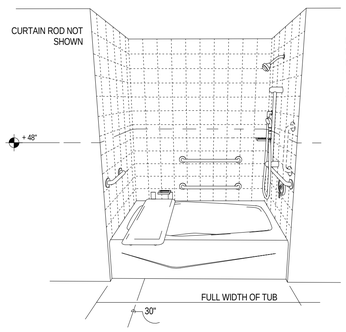






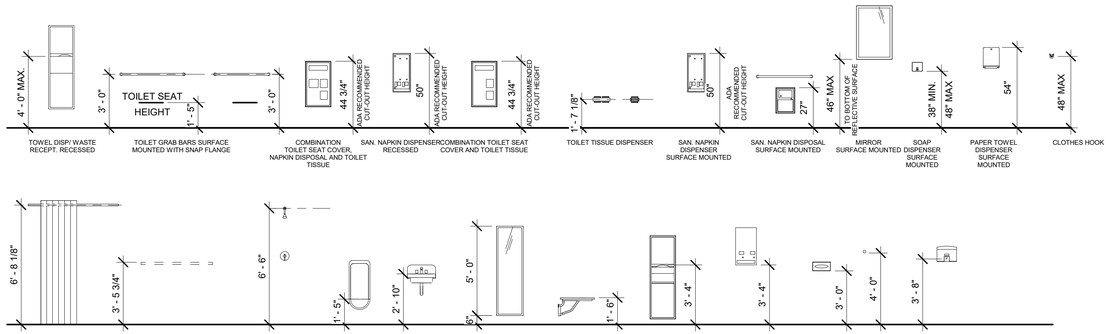
PROVIDE BLOCKING IN WALL AS NECESSARY. ALL GRAB BARS AND SEATS MUST BE BLOCKED/REINFORCED TO WITHSTAND ACCESSIBILITY LOAD LIMITS

SLOPE TILE TO FLOOR DRAIN: SLOPE NOT TO EXCEED 1:48

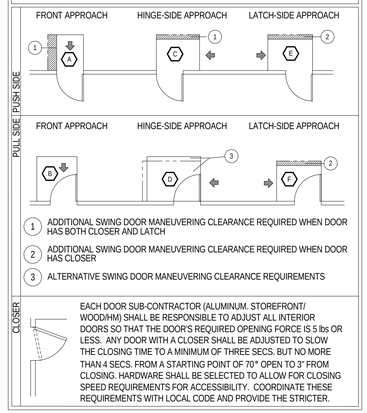


PROVIDE BLOCKING IN WALL AS NECESSARY. ALL GRAB BARS AND SEATS MUST BE BLOCKED/REINFORCED TO WITHSTAND ACCESSIBILITY LOAD LIMITS

SLOPE TILE TO FLOOR DRAIN: SLOPE NOT TO EXCEED 1:48



Swing Door Maneuvering Clearances



1. ADDITIONAL SWING DOOR MANEUVERING CLEARANCE REQUIRED WHEN DOOR HAS BOTH CLOSER AND LATCH
2. ADDITIONAL SWING DOOR MANEUVERING CLEARANCE REQUIRED WHEN DOOR HAS CLOSER
3. ALTERNATIVE SWING DOOR MANEUVERING CLEARANCE REQUIREMENTS

CLOSER

EACH DOOR SUB-CONTRACTOR (ALUMINUM. STOREFRONT/ WOOD/HM) SHALL BE RESPONSIBLE TO ADJUST ALL INTERIOR DOOR'S SO THAT THE DOOR'S REQUIRED OPENING FORCE IS 5 lbs OR LESS. ANY DOOR WITH A CLOSER SHALL BE ADJUSTED TO SLOW THE CLOSING TIME TO A MINIMUM OF THREE SECS. BUT NO MORE THAN 4 SECS. FROM A STARTING POINT OF 70° OPEN TO 3° FROM CLOSING. HARDWARE SHALL BE SELECTED TO ALLOW FOR CLOSING SPEED REQUIREMENTS FOR ACCESSIBILITY. COORDINATE THESE REQUIREMENTS WITH LOCAL CODE AND PROVIDE THE STRICTER.

Accessible Clearance Legend

- (A) DOOR MANEUVERING SPACE: FRONT APPROACH, PUSH SIDE CLEAR FLOOR SPACE = DOOR WIDTH x 48"" (1) 12" BEYOND DOOR WIDTH AT LATCH SIDE WHEN DOOR HAS LATCH AND CLOSER
- (B) DOOR MANEUVERING SPACE: FRONT APPROACH, PULL SIDE CLEAR FLOOR SPACE = DOOR WIDTH + 18" x 60"
- (C) DOOR MANEUVERING SPACE: HINGE SIDE APPROACH, PUSH SIDE CLEAR FLOOR SPACE = DOOR + 22" x 42", (1) PUSH SIDE CLEAR FLOOR SPACE = DOOR + 22" x 4'-0" (WHEN DOOR HAS LATCH AND CLOSER)
- (D) DOOR MANEUVERING SPACE: HINGE SIDE APPROACH, PULL SIDE CLEAR FLOOR SPACE = DOOR WIDTH + 42" x 54" (3) ALTERNATIVE PERMISSIBLE CLEAR FLOOR SPACE = DOOR WIDTH + 36" x 60"
- (E) DOOR MANEUVERING SPACE: LATCH SIDE APPROACH, PUSH SIDE CLEAR FLOOR SPACE = DOOR WIDTH + 24" x 42" (2) PUSH SIDE CLEAR FLOOR SPACE = DOOR WIDTH + 24" x 48" (WHEN DOOR HAS CLOSER)
- (F) DOOR MANEUVERING SPACE: LATCH SIDE APPROACH, PULL SIDE CLEAR FLOOR SPACE = DOOR WIDTH + 24" x 48" (2) PUSH SIDE CLEAR FLOOR SPACE = DOOR WIDTH + 24" x 54" (WHEN DOOR HAS CLOSER)
- (G) AREA OF REFUGE: 30" x 48" CLEAR FLOOR SPACE
- (M) TURNING SPACE: 5'-0" DIAMETER TURNING AREA (T-SHAPED SPACE ALSO ALLOWED PER ACCESSIBILITY REQUIREMENTS)
- (J) ACCESSIBLE ROUTE: 36" WIDE AISLE x LENGTH OF ACCESSIBLE PIECE OF EQ. OR FURNITURE (48" MIN.)
- (K) WATER CLOSET CLEARANCE: 56" x 60"
- (L) CLEAR DECK SPACE: PARALLEL TO POOL LIFTS 36" X 48"
- (M) WATER CLOSET CLEARANCE: 59" x 60" (FLOOR MOUNTED IN A COMPARTMENT)
- (N) CLEAR FLOOR SPACE: FRONT OR SIDE APPROACH 30" x 48"

CLEAR FLOOR SPACE — DESIGNATED REQUIRED CLEAR FLOOR SPACE (CFS) PER ACCESSIBILITY REQUIREMENTS. REFER TO DIAGRAM ON THIS SHEET AND SHEET A10.01 IN REFERENCE TO APPROACH CLEARANCES. VERIFY REQ. CLEAR FLOOR SPACE FOR ALL ACCESSIBLE EQUIPMENT, FURNITURE AND AREAS REQUIRED TO BE ACCESSIBLE. REFER TO HADG FOR FURTHER INFORMATION.

DOOR SIZES TO BE 3'-0" WIDE (UNLESS NOTED OTHERWISE) OR DOOR WITH 2'-8" CLEAR WHEN DOOR IS OPEN AT 90°. INFORMATION ON THIS SHEET IS INTENDED TO DEMONSTRATE CLEAR FLOOR AREA AND DOOR CLEARANCE REQUIREMENTS FOR ACCESSIBILITY AS DESIGNED IN THIS PROTOTYPE SET. THE ARCHITECT OF RECORD IS REQUIRED TO CONFORM TO ALL STATE AND LOCAL CODES IN ADDITION TO THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER ALSO TO SHEET A10.01 FOR DOOR CLEARANCE REQUIREMENTS. ENLARGED PLAN REFERENCES CONTAIN CLEAR FLOOR AREA INFORMATION ON THOSE SHEETS, INCLUDING REQUIREMENTS FOR PLUMBING FIXTURE CLEARANCES.

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI 7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ADA and Code

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No. T006

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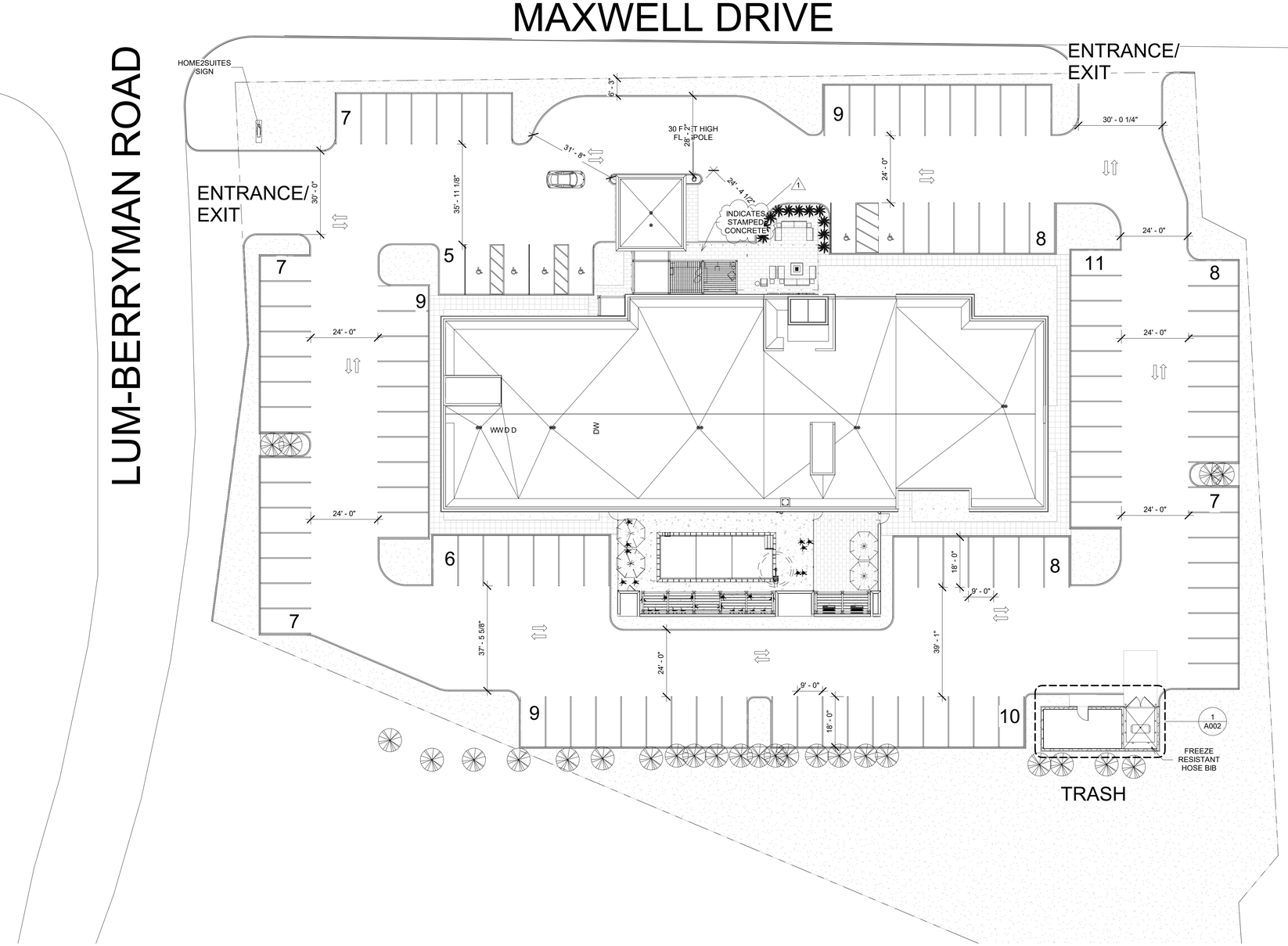

1 Site
1" = 20'-0"

4/8/2019 3:27:06 PM

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT ASHISH VISHRA 3536 STATE OF MISSISSIPPI
7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Site Plan

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A001

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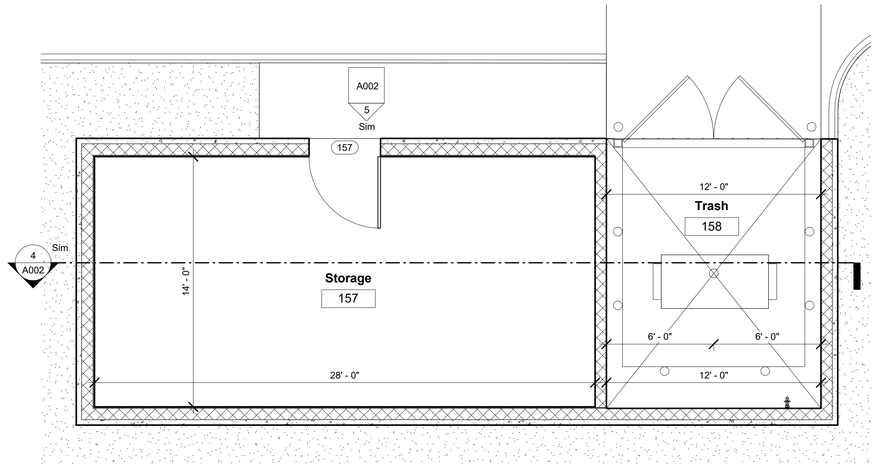
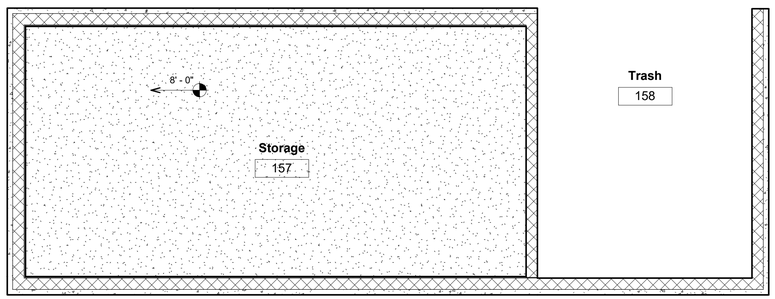


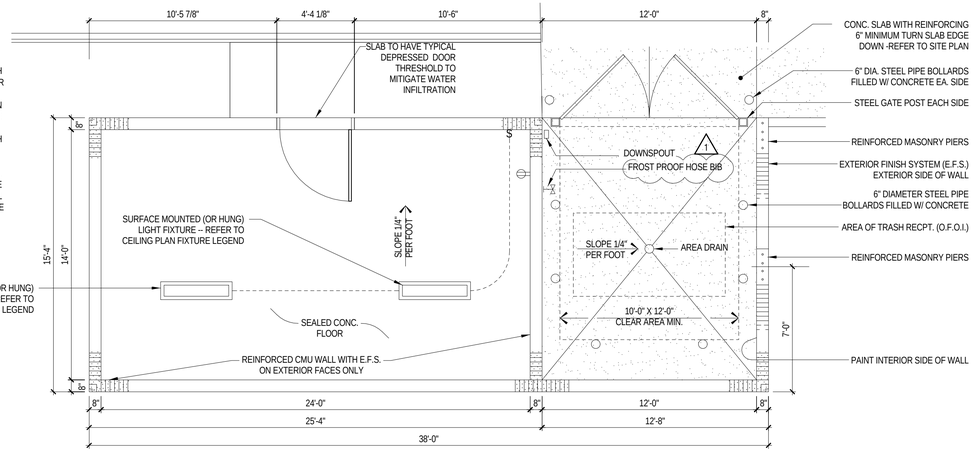
1 Storage and Trash Area
1/4" = 1'-0"



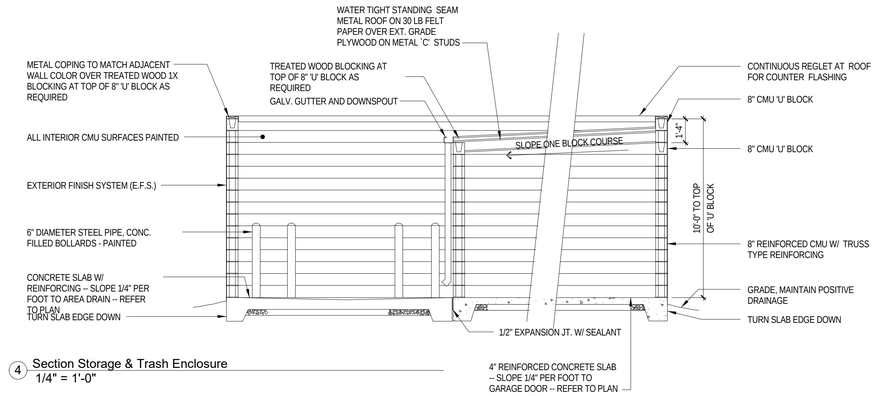
2 Level 1 Reflected Ceiling Plan - Storage Area
1/4" = 1'-0"

NOTES:

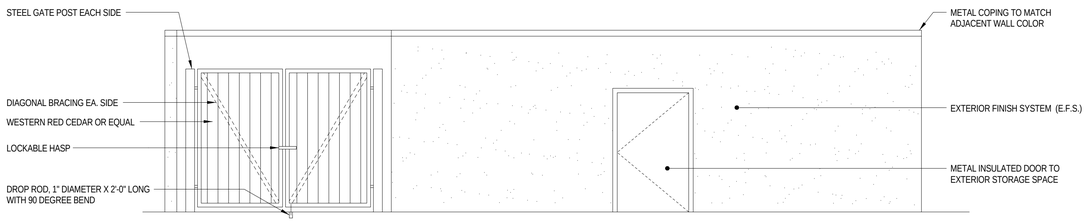
1. VERIFY DRAINAGE REQUIREMENTS WITH HEALTH INSPECTOR
2. PROVIDE CEILING MOUNTED LIGHT AND DUPLEX OUTLET IN STORAGE
3. DUMPSTER ENCLOSURE EXTERIOR FINISH TO MATCH FINISH OF MAIN HOTEL /
4. ADDITIONAL SPACE MAY BE NEEDED FOR RECYCLING. DESIGNER TO COORDINATE REQUIREMENTS WITH LOCAL SERVICE
5. INTERIOR WALLS AND CEILINGS PAINTED FINISH AT MINIMUM



3 Plan Storage and Trash Enclosure
1/4" = 1'-0"



4 Section Storage & Trash Enclosure
1/4" = 1'-0"



5 Elevation Storage and Trash Enclosure
1/4" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
7/31/18
STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Site Details

Phase
Construction Documentss

Project No. 17-051
Prepared by Author
Checked by Checker
Date July 31, 2018

Sheet No.
A002

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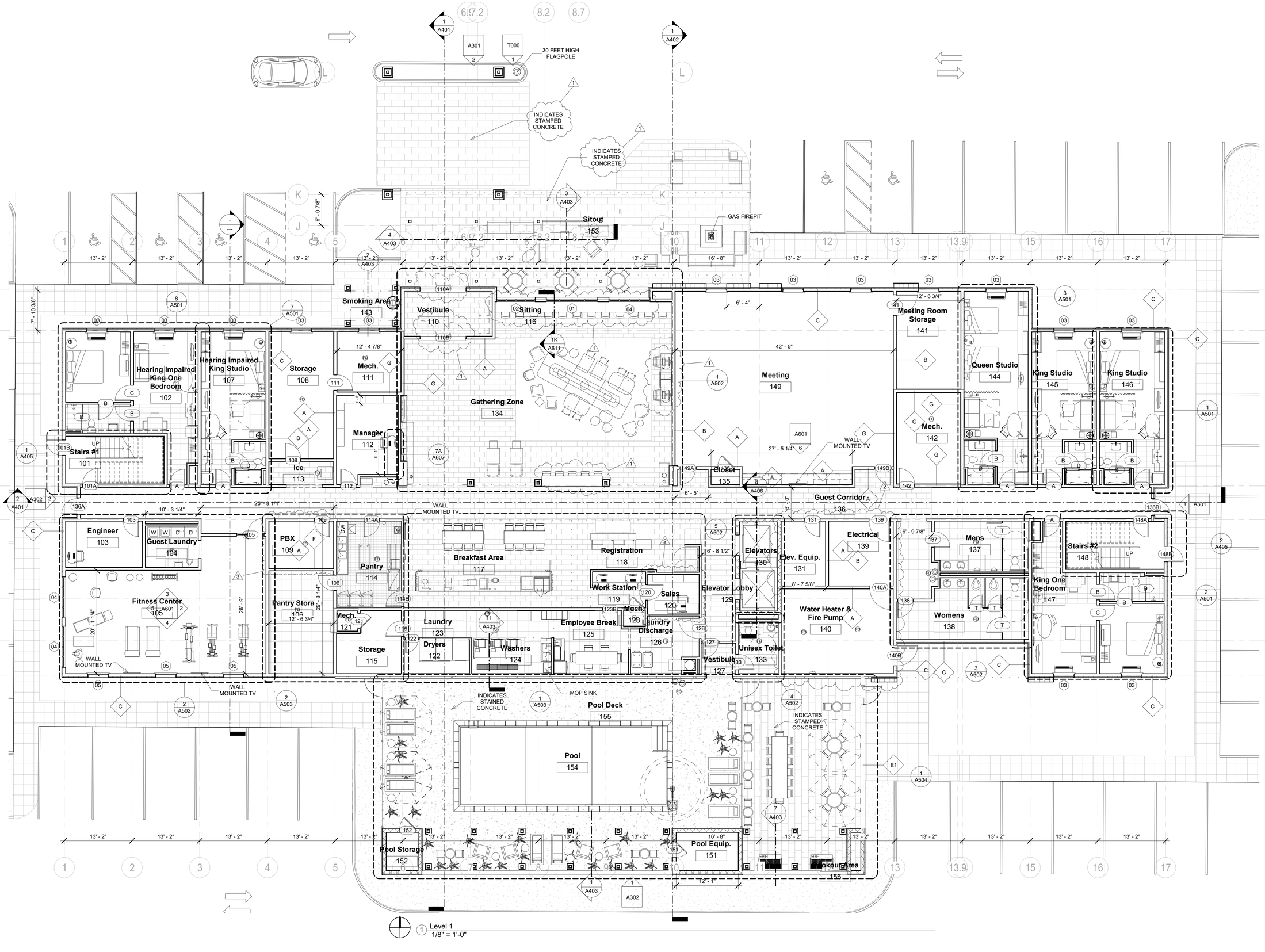
Home2Suites Vicksburg



1 Level 1
1/8" = 1'-0"

10/4/2019 8:44:46 AM

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review
2	4/1/19	Owner request
3	5/13/19	Owner request

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
First Floor Plan

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A101

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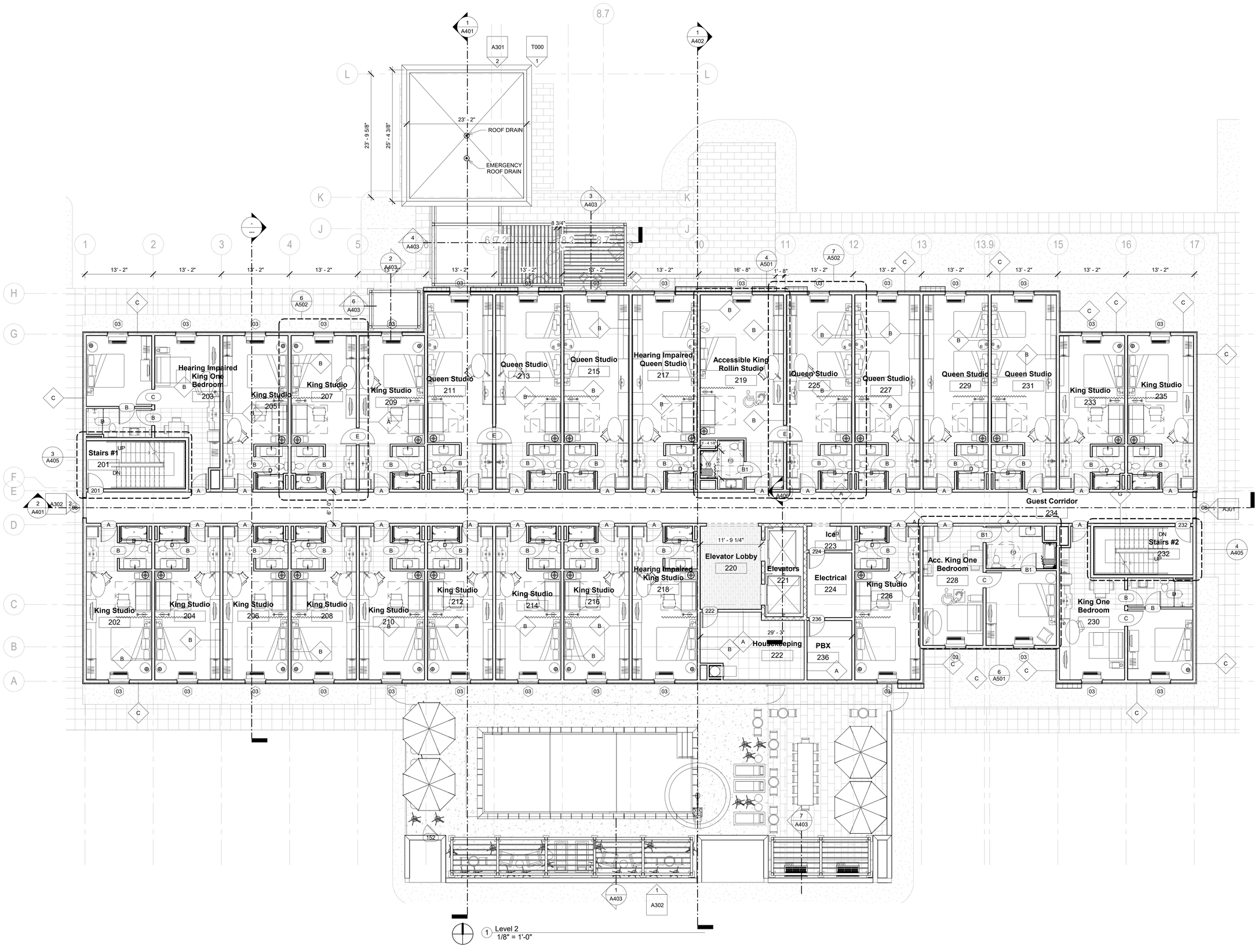

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REVISIONS

No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Second Floor Plan

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
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Date	July 31, 2018

Sheet No.
A102

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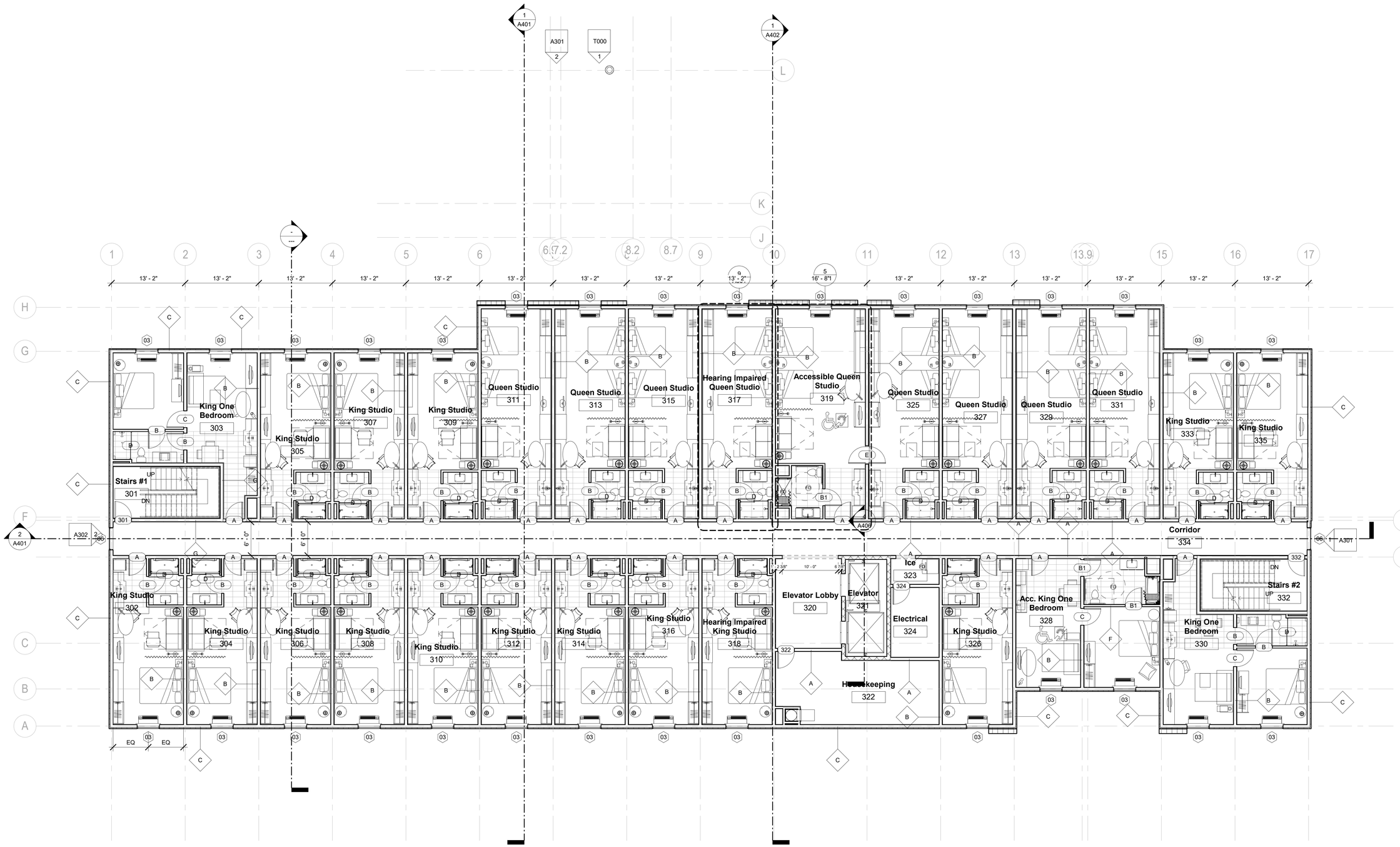

1 Level 3
1/8" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH VISHWAKARMA 3536 STATE OF MISSISSIPPI 7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Third Floor Plan

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A103

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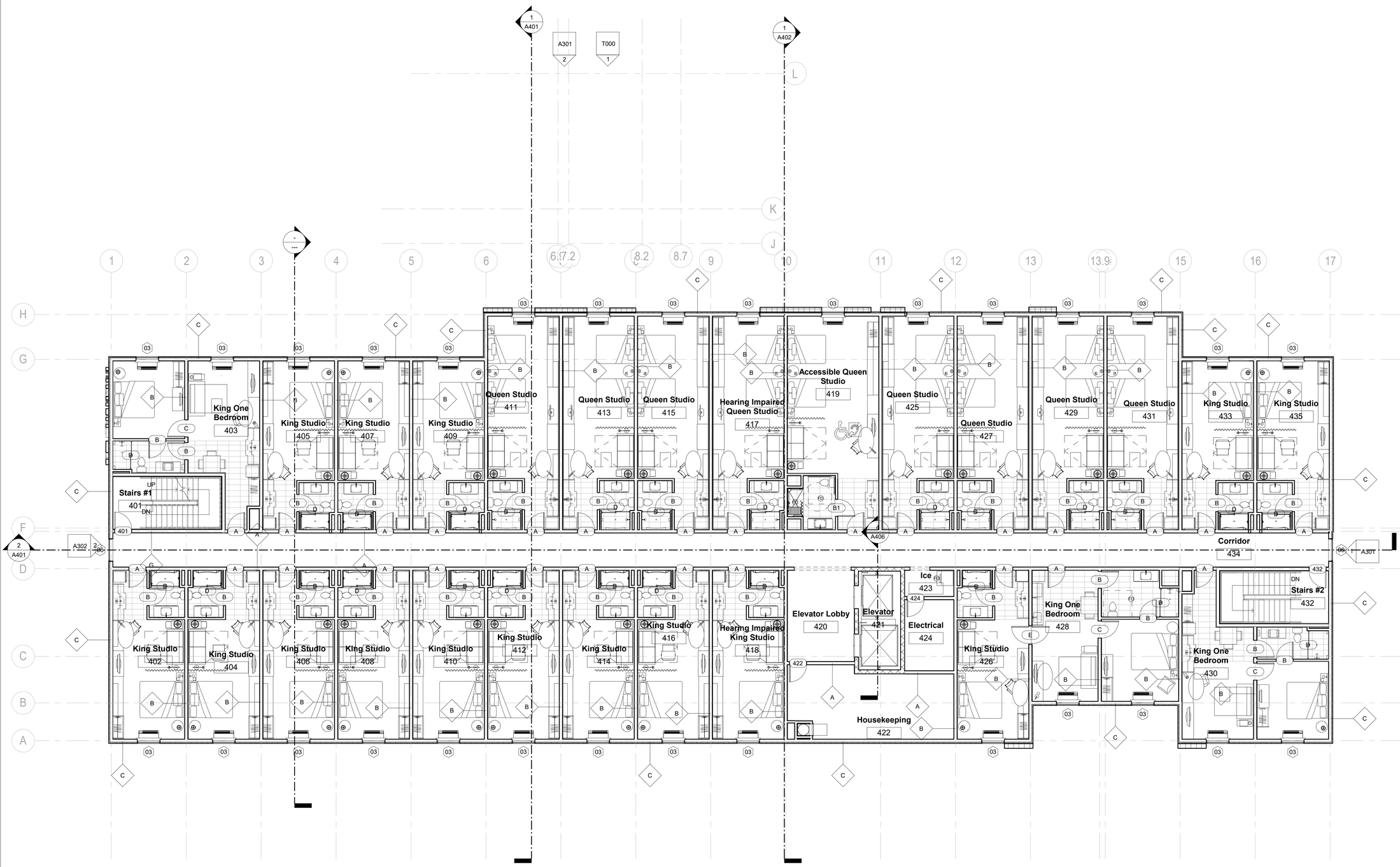

1 Level 4
1/8" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Fourth Floor Plan

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A104

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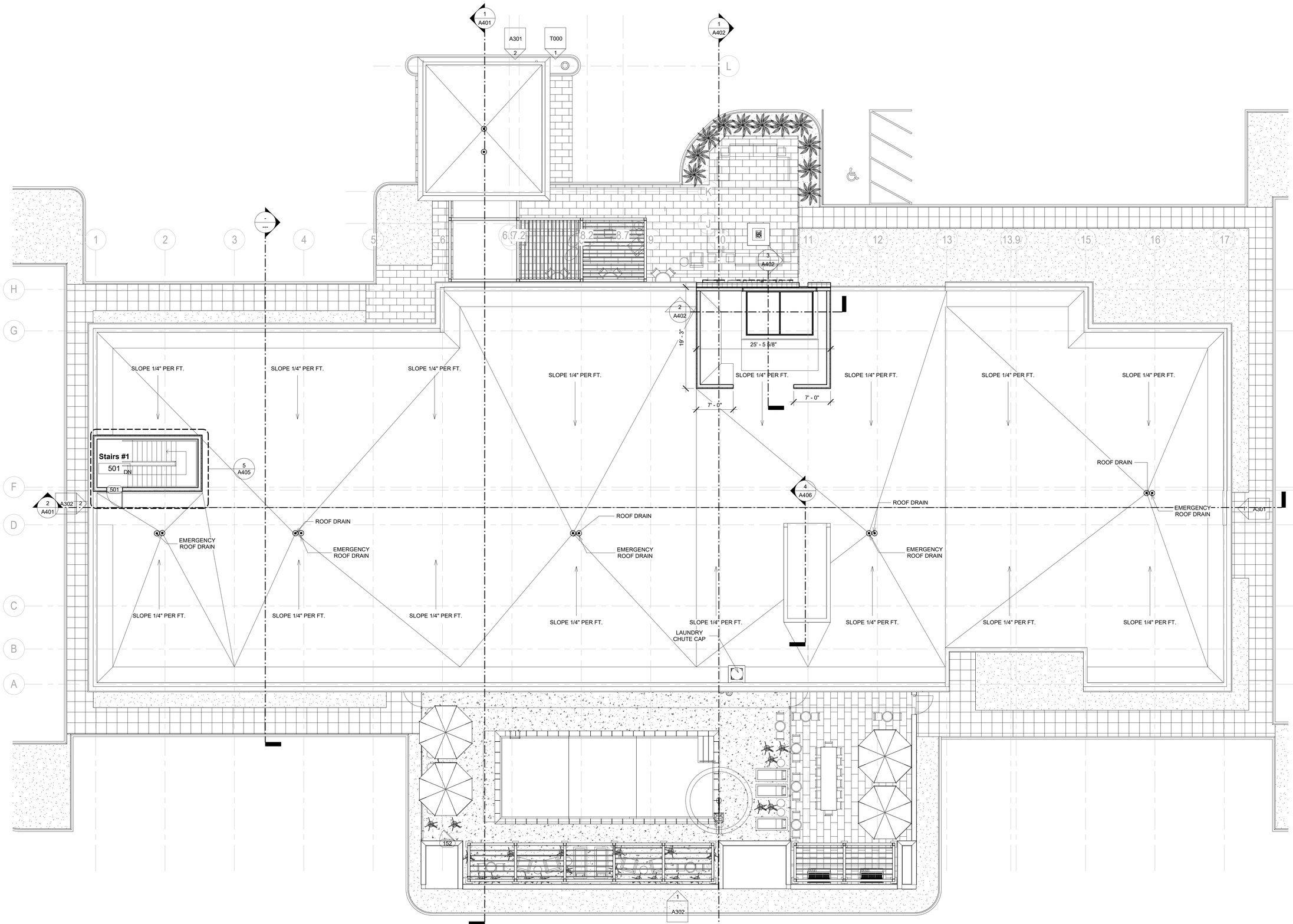

1 Level BO Roof
1/8" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 23536 STATE OF MISSISSIPPI 7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Roof Plan

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
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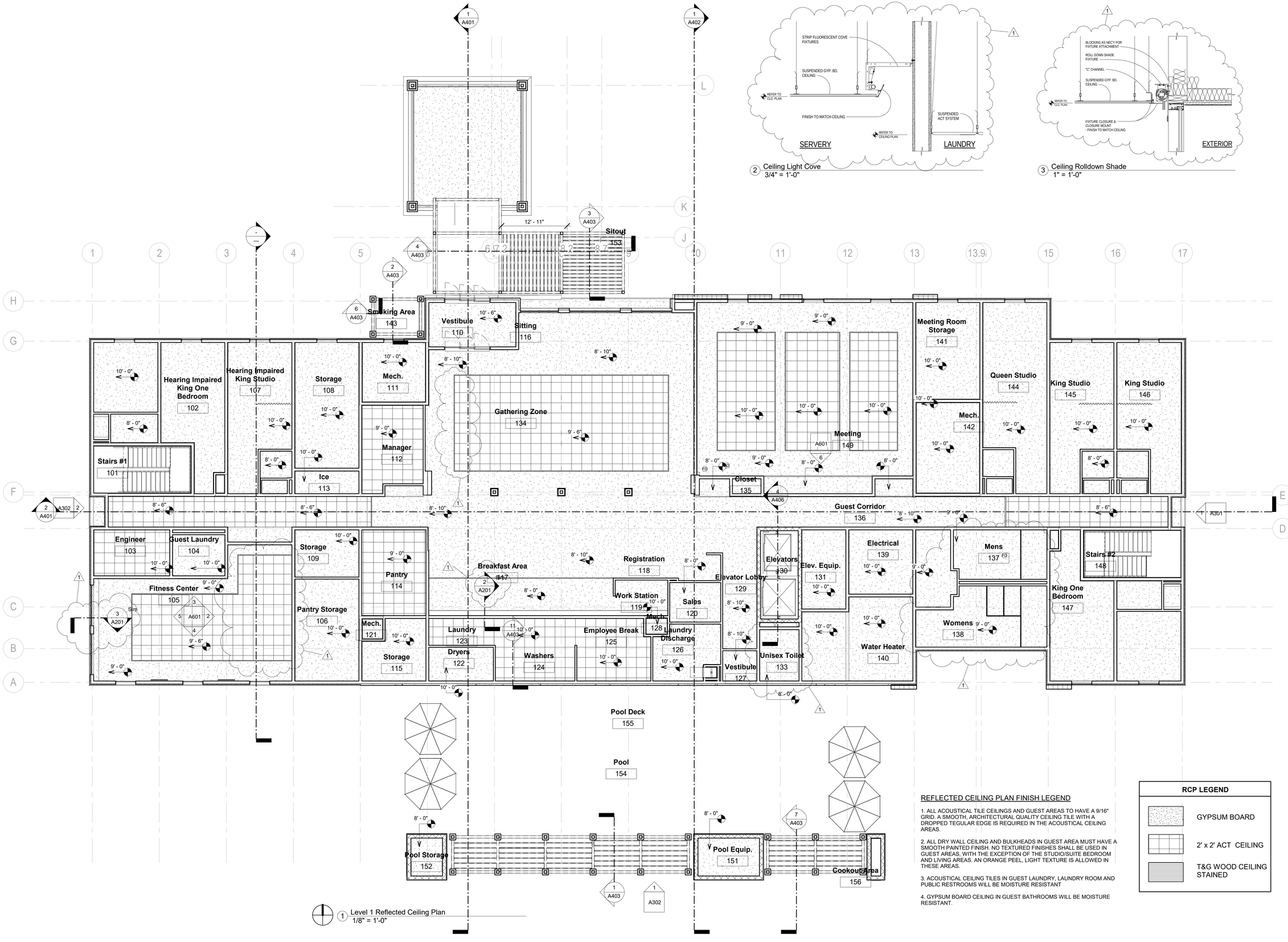

1 Level 1 Reflected Ceiling Plan
1/8" = 1'-0"

2 Ceiling Light Cove
3/4" = 1'-0"

3 Ceiling Rolldown Shade
1" = 1'-0"

REFLECTED CEILING PLAN FINISH LEGEND

1. ALL ACOUSTICAL TILE CEILINGS AND GUEST AREAS TO HAVE A 9/16" GRID. A SMOOTH, ARCHITECTURAL QUALITY CEILING TILE WITH A DROPPED TEGULAR EDGE IS REQUIRED IN THE ACOUSTICAL CEILING AREAS.

2. ALL DRY WALL CEILING AND BULKHEADS IN GUEST AREA MUST HAVE A SMOOTH PAINTED FINISH. NO TEXTURED FINISHES SHALL BE USED IN GUEST AREAS, WITH THE EXCEPTION OF THE STUDIO/SUITE BEDROOM AND LIVING AREAS. AN ORANGE PEEL, LIGHT TEXTURE IS ALLOWED IN THESE AREAS.

3. ACOUSTICAL CEILING TILES IN GUEST LAUNDRY, LAUNDRY ROOM AND PUBLIC RESTROOMS WILL BE MOISTURE RESISTANT

4. GYPSUM BOARD CEILING IN GUEST BATHROOMS WILL BE MOISTURE RESISTANT.

RCP LEGEND

- GYPSUM BOARD
- 2' x 2' ACT CEILING
- T&G WOOD CEILING STAINED

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
First Floor Reflected Ceiling Plan

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No. A201

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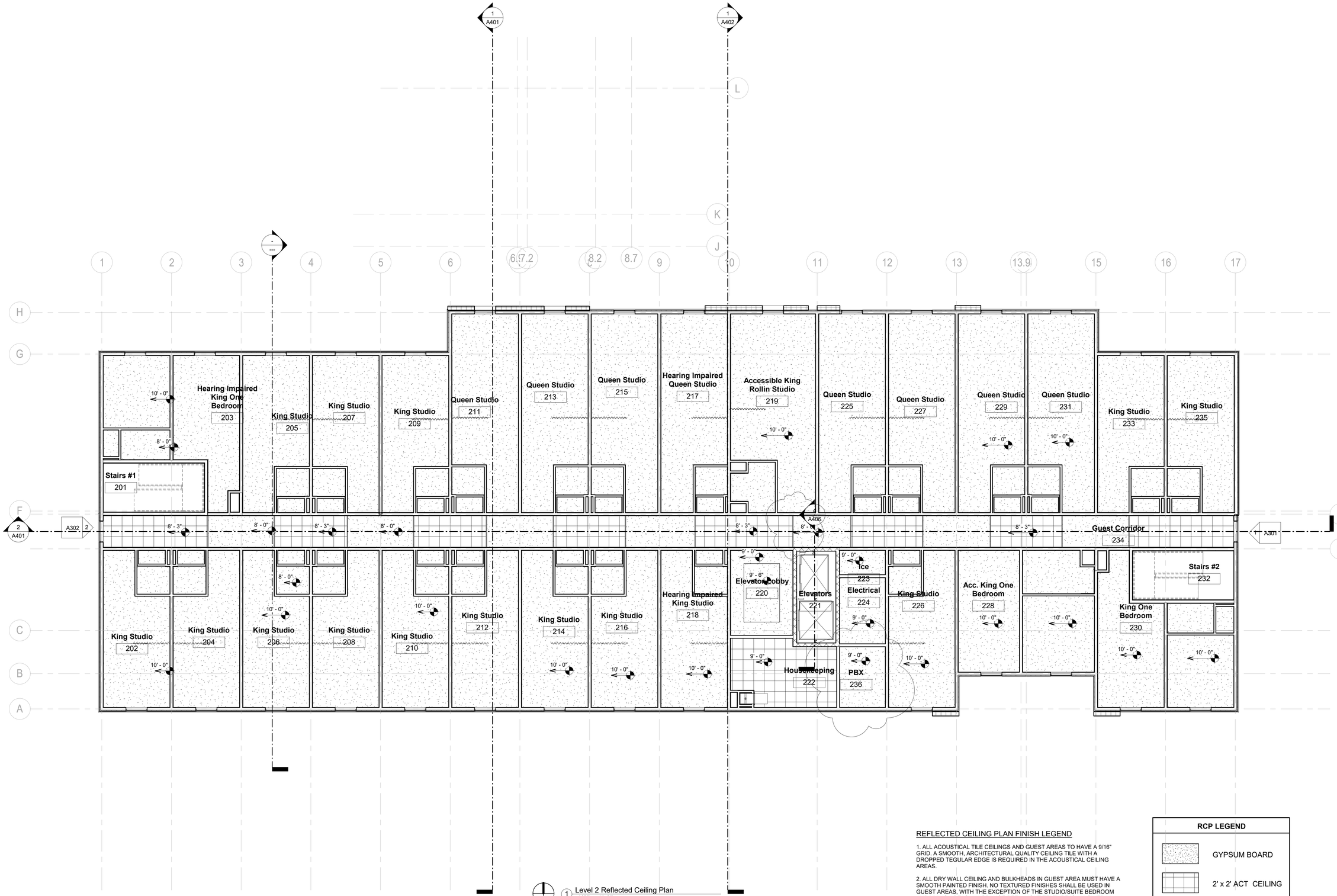

1 Level 2 Reflected Ceiling Plan
1/8" = 1'-0"

REFLECTED CEILING PLAN FINISH LEGEND

1. ALL ACOUSTICAL TILE CEILINGS AND GUEST AREAS TO HAVE A 9/16" GRID. A SMOOTH, ARCHITECTURAL QUALITY CEILING TILE WITH A DROPPED TEGULAR EDGE IS REQUIRED IN THE ACOUSTICAL CEILING AREAS.

2. ALL DRY WALL CEILING AND BULKHEADS IN GUEST AREA MUST HAVE A SMOOTH PAINTED FINISH. NO TEXTURED FINISHES SHALL BE USED IN GUEST AREAS, WITH THE EXCEPTION OF THE STUDIO/SUITE BEDROOM AND LIVING AREAS. AN ORANGE PEEL, LIGHT TEXTURE IS ALLOWED IN THESE AREAS.

3. ACOUSTICAL CEILING TILES IN GUEST LAUNDRY, LAUNDRY ROOM AND PUBLIC RESTROOMS WILL BE MOISTURE RESISTANT

4. GYPSUM BOARD CEILING IN GUEST BATHROOMS WILL BE MOISTURE RESISTANT.

RCP LEGEND	
░	GYPSUM BOARD
▦	2' x 2' ACT CEILING
▤	T&G WOOD CEILING STAINED

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

ASHISH MISHRA
3536
7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Second Floor Reflected Ceiling Plan

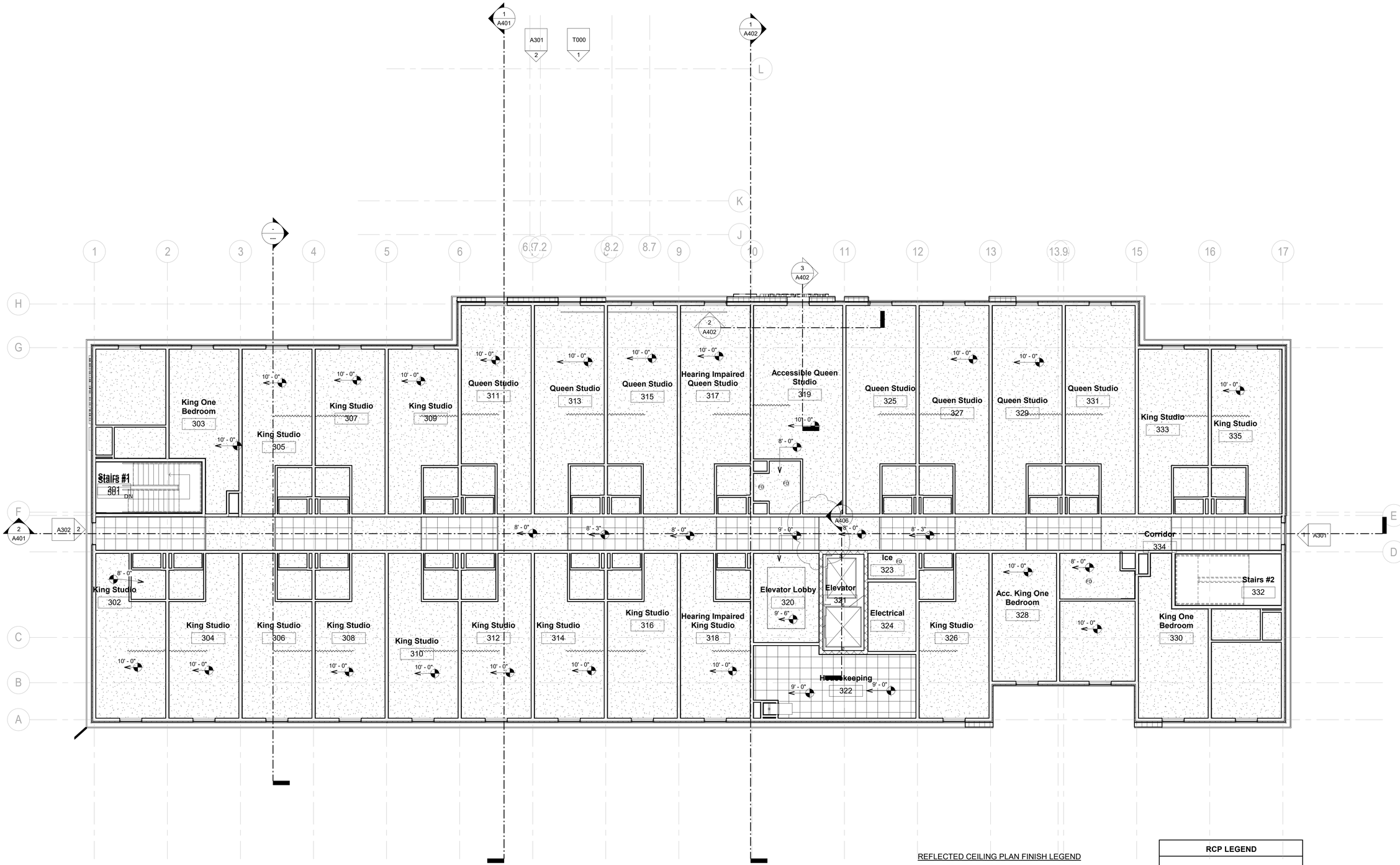
Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A202

Released for

Home2Suites Vicksburg



1 Level 3 Reflected Ceiling Plan
1/8" = 1'-0"

REFLECTED CEILING PLAN FINISH LEGEND

1. ALL ACOUSTICAL TILE CEILINGS AND GUEST AREAS TO HAVE A 9/16" GRID. A SMOOTH, ARCHITECTURAL QUALITY CEILING TILE WITH A DROPPED TEGULAR EDGE IS REQUIRED IN THE ACOUSTICAL CEILING AREAS.

2. ALL DRY WALL CEILING AND BULKHEADS IN GUEST AREA MUST HAVE A SMOOTH PAINTED FINISH. NO TEXTURED FINISHES SHALL BE USED IN GUEST AREAS, WITH THE EXCEPTION OF THE STUDIO/SUITE BEDROOM AND LIVING AREAS. AN ORANGE PEEL, LIGHT TEXTURE IS ALLOWED IN THESE AREAS.

3. ACOUSTICAL CEILING TILES IN GUEST LAUNDRY, LAUNDRY ROOM AND PUBLIC RESTROOMS WILL BE MOISTURE RESISTANT

4. GYPSUM BOARD CEILING IN GUEST BATHROOMS WILL BE MOISTURE RESISTANT.

RCP LEGEND

- GYPSUM BOARD
- 2' x 2' ACT CEILING
- T&G WOOD CEILING STAINED

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

ASHISH MISHRA 3536 REGISTERED ARCHITECT STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Third Floor Reflected Ceiling Plan

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A203

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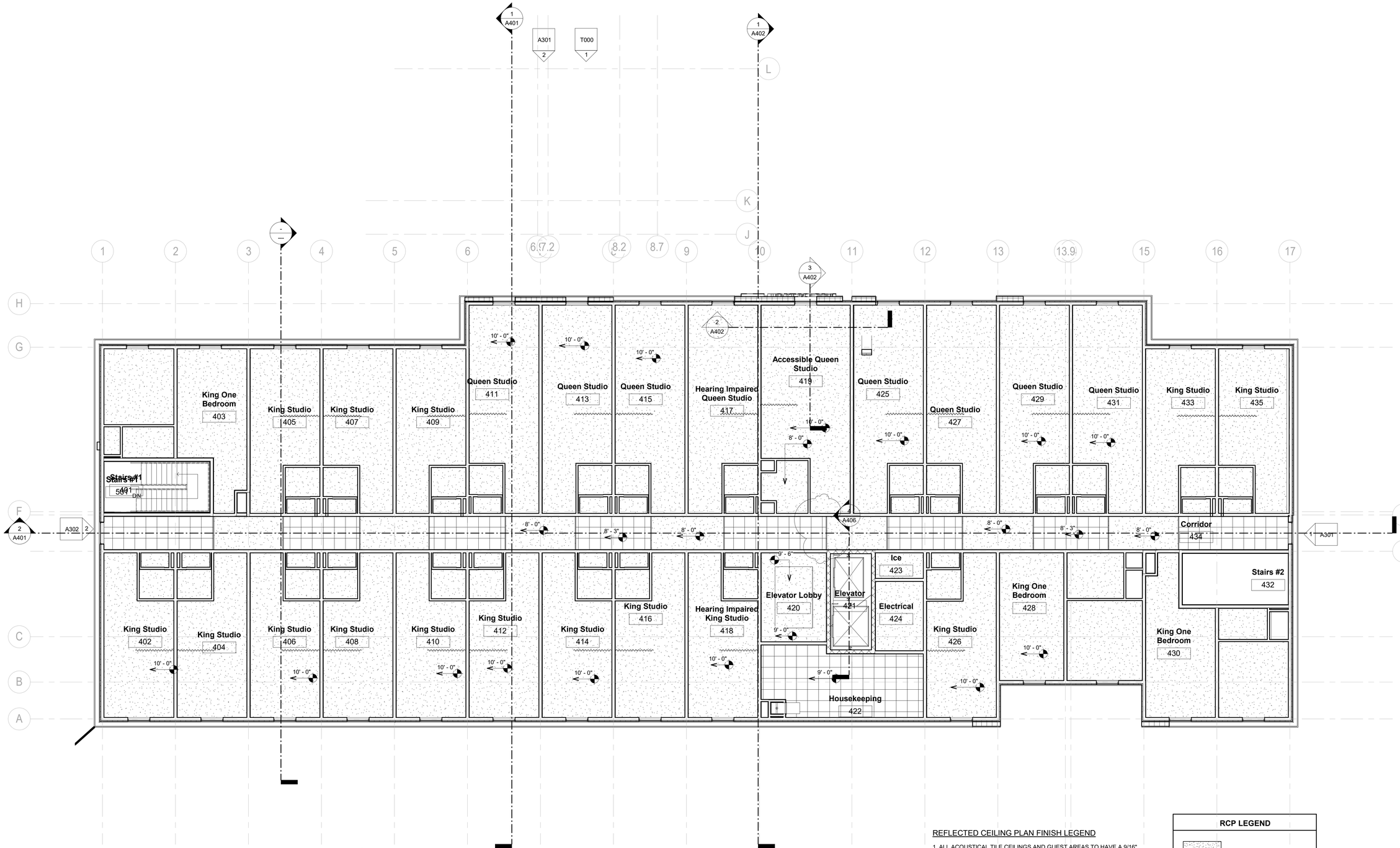

1 Level 4 Reflected Ceiling Plan
1/8" = 1'-0"

REFLECTED CEILING PLAN FINISH LEGEND

1. ALL ACOUSTICAL TILE CEILINGS AND GUEST AREAS TO HAVE A 9/16" GRID. A SMOOTH, ARCHITECTURAL QUALITY CEILING TILE WITH A DROPPED TEGULAR EDGE IS REQUIRED IN THE ACOUSTICAL CEILING AREAS.

2. ALL DRY WALL CEILING AND BULKHEADS IN GUEST AREA MUST HAVE A SMOOTH PAINTED FINISH. NO TEXTURED FINISHES SHALL BE USED IN GUEST AREAS, WITH THE EXCEPTION OF THE STUDIO/SUITE BEDROOM AND LIVING AREAS. AN ORANGE PEEL, LIGHT TEXTURE IS ALLOWED IN THESE AREAS.

3. ACOUSTICAL CEILING TILES IN GUEST LAUNDRY, LAUNDRY ROOM AND PUBLIC RESTROOMS WILL BE MOISTURE RESISTANT

4. GYPSUM BOARD CEILING IN GUEST BATHROOMS WILL BE MOISTURE RESISTANT.

RCP LEGEND

- GYPSUM BOARD
- 2' x 2' ACT CEILING
- T&G WOOD CEILING STAINED

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT ASHISH VISHWAKARMA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Fourth Floor Reflected Ceiling Plan

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No. A204

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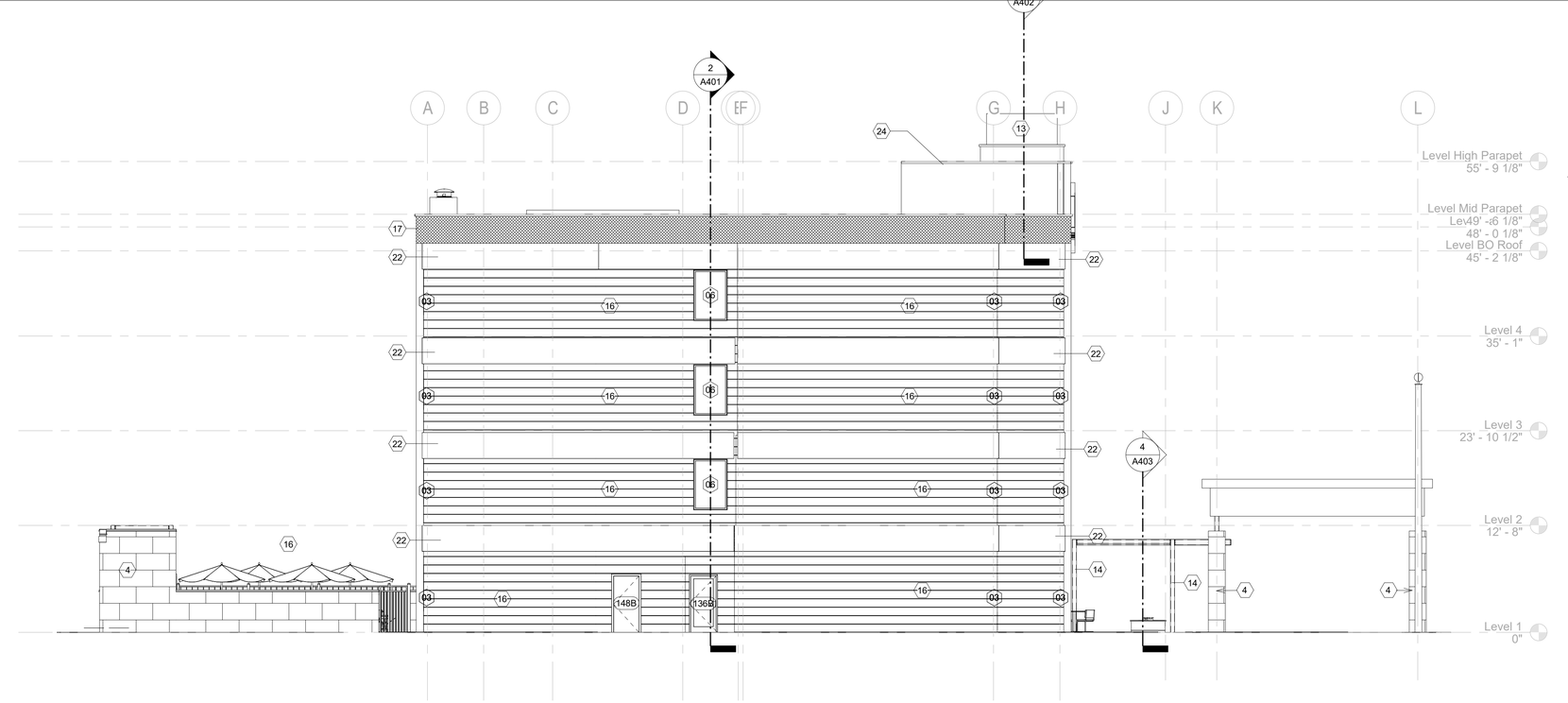
EXTERIOR FINISH LEGEND

1. APPROXIMATE LINE OF GRADE
2. ABOVE GRADE EXPOSED FOUNDATION WALL
3. MASONRY OR TILE - BASE
4. MASONRY OR TILE - FIELD - ASHLAR PATTERN,
5. CONCRETE FOOTING AND FOUNDATION WALL AS REQUIRED PER LOCAL FROST DEPTHS
6. OCULUS
8. ALUMINUM FIXED WINDOW W/ THERMAL BROKEN FRAME, INSULATED GLAZING WITH INTEGRAL ALUMINUM LOUVER AT PTAC UNITS
9. ALUMINUM STOREFRONT SYSTEM W/ THERMAL BROKEN FRAME AND INSULATED GLAZING
11. EXHAUST, REFER TO MECHANICAL DRAWINGS
12. ALUMINUM SLIDING ENTRY DOOR W/ INSULATED GLAZING
13. BEACON - BEAM - REFER TO STYLE GUIDE
14.
15. PAINTED TUBE STEEL CANOPY W/ STAINED WOOD TRELLIS
16. TONGUE N GROOVE WOOD PLANK CEILING, STAINED
17. ENVELOPE - CORE FINISH -REFER TO STYLE GUIDE
18. ENVELOPE - WRAP FINISH -REFER TO STYLE GUIDE
19. FINISH CONTROL JOINT
20. OVERFLOW SCUPPER -BASIS OF DESIGN NESCO MFG INC. - MODEL # SCT914R -- REFER ALSO TO DETAIL 6J/A6.12
21. TAMPER RESISTANT, RECESSED HOSE BIB - MOUNT TOP AT +12" A.F.F.
22. ENVELOPE - ACCENT FINISH -REFER TO STYLE GUIDE
23. ENVELOPE - ACCENT FINISH -REFER TO STYLE GUIDE
24. SIGNAGE --REFER TO EXTERIOR SIGNAGE SPECIFICATIONS
25. KYNAR FINISH ALUMINUM COPING SYSTEM --COLOR TO MATCH ADJACENT MATERIAL
26. KYNAR FINISH ALUMINUM GRAVEL STOP --COLOR TO MATCH ADJACENT MATERIAL
27. REVIEW ALL VIEWS AROUND PROPERTY BEFORE LOCATING ALL ROOF TOP MECHANICAL UNITS. VERIFY ALL EQUIPMENT IS ADEQUATELY SCREENED.
28. BEACON -- REFER TO SECTIONS FOR MORE INFORMATION
29. PAINTED ALUMINUM OUTSIDE CORNER BY FRY REGLET, COLOR TO MATCH ADJACENT ENVELOPE - CORE FINISH
30.
31. EXHAUST VENT -- COLOR TO MATCH ADJACENT MATERIAL
32. LIGHT FIXTURE --REFER TO CEILING PLAN
34. EXPANSION JOINT @ FLOOR LINE W/ BACKER ROD AND SEALANT
35. ALUMINUM LOUVER -- COLOR TO MATCH ADJACENT MATERIAL MATCHING ADJACENT WALL
36. CONCRETE PAD --REFER TO AREA DEVELOPMENT PLAN
37. ACCESS OPENING INTO BEACON
38. ALUMINUM GUTTER AND DS. COLOR TO MATCH ADJ. MATERIAL
39. ACCESSIBLE KEY CARD READER WIRED TO ELECTRIC STRIKE IN DOOR - TOP OF READER AT 48" MAX. HEIGHT

POOL PERIMETER FENCE AS REQUIRED BY CODE W/ 3'-0" GATE

PRECAST COPING



1 East Elevation
1/8" = 1'-0"

2 North Elevation
1/8" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Exterior Elevations

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A301

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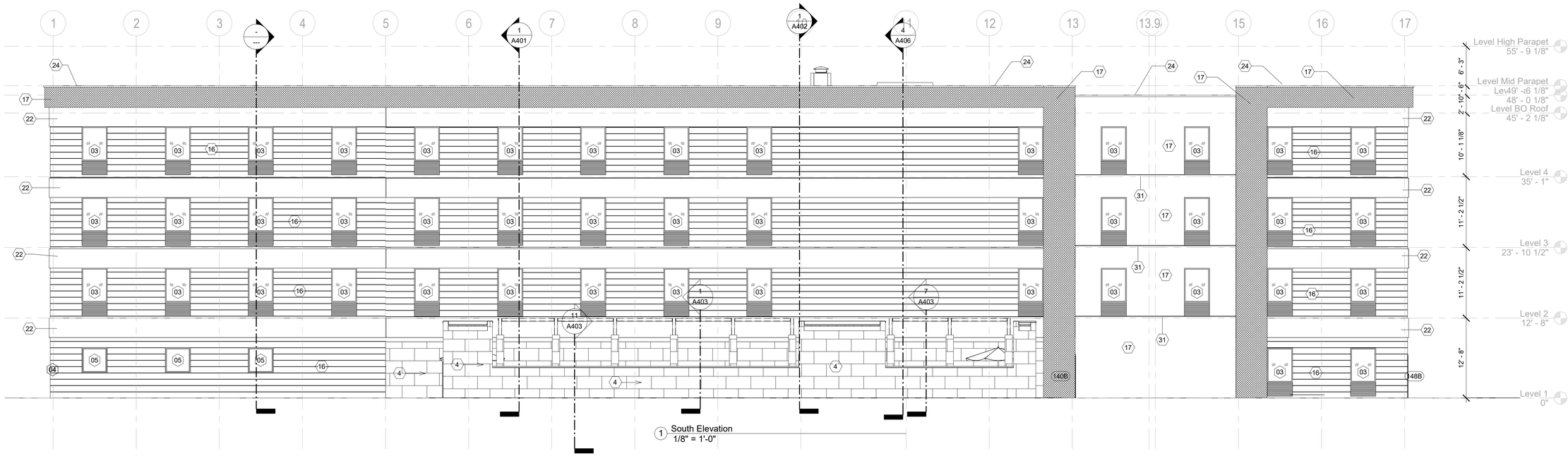

1 South Elevation
1/8" = 1'-0"

EXTERIOR FINISH LEGEND

1. APPROXIMATE LINE OF GRADE
2. ABOVE GRADE EXPOSED FOUNDATION WALL
3. MASONRY OR TILE - BASE
4. MASONRY OR TILE - FIELD - ASHLAR PATTERN,
5. CONCRETE FOOTING AND FOUNDATION WALL AS REQUIRED PER LOCAL FROST DEPTHS
6. OCULUS
8. ALUMINUM FIXED WINDOW W/ THERMAL BROKEN FRAME, INSULATED GLAZING WITH INTEGRAL ALUMINUM LOUVER AT PTAC UNITS
9. ALUMINUM STOREFRONT SYSTEM W/ THERMAL BROKEN FRAME AND INSULATED GLAZING
11. EXHAUST, REFER TO MECHANICAL DRAWINGS
12. ALUMINUM SLIDING ENTRY DOOR W/ INSULATED GLAZING
13. BEACON - BEAM - REFER TO STYLE GUIDE
14. PAINTED TUBE STEEL CANOPY W/ STAINED WOOD TRELLIS
15. TONGUE N GROOVE WOOD PLANK CEILING, STAINED
16. ENVELOPE - CORE FINISH -REFER TO STYLE GUIDE
17. ENVELOPE - WRAP FINISH -REFER TO STYLE GUIDE
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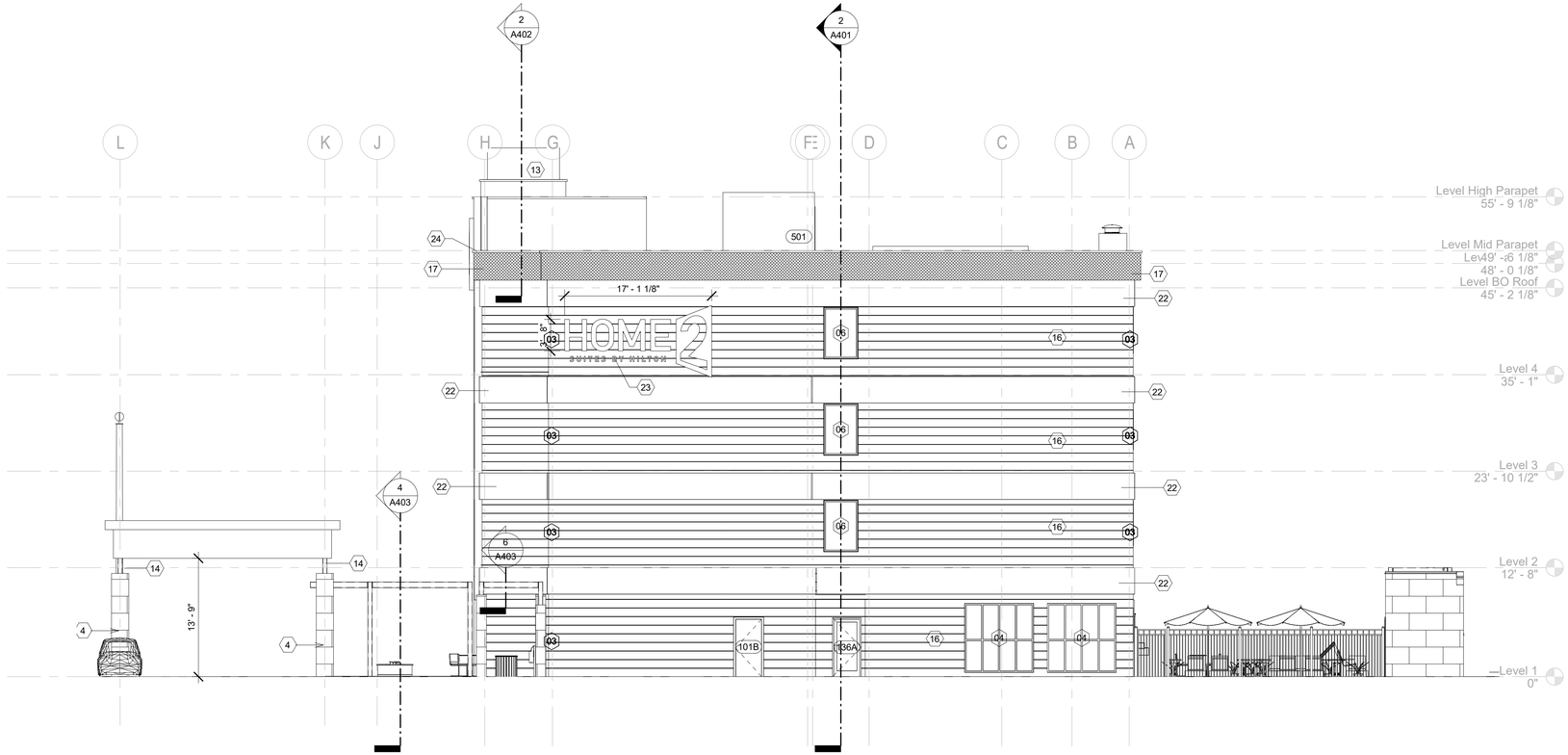
37. ACCESSIBLE KEY CARD READER WIRED TO ELECTRIC STRIKE IN DOOR - TOP OF READER AT 48" MAX. HEIGHT
38. POOL PERIMETER FENCE AS REQUIRED BY CODE W/ 3'-0" GATE
39. PRECAST COPING



2 West Elevation
1/8" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Exterior Elevations

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018
Released for	

Sheet No.
A302

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Home2Suites Vicksburg

TYPICAL FLOOR/CEILING ASSEMBLY:
ONE HOUR RATED ASSEMBLY

3/4" GYPCRETE ON SEALANT OVER 23/32" STRUCTURAL PANELS ON WOOD TRUSSES OR JOISTS AS PER STRUCTURAL DRAWNGS
5/8" F.C. GYP. BD. ON #26 MSG. RESILIENT CHANNELS @ 16" O.C.

ALL ACOUSTICAL CEILING TILE TO BE INSTALLED BELOW THE ONE-HOUR RATED FLOOR/CEILING ASSEMBLY WITHOUT COMPROMISING
ON THE ASSEMBLY RATING. ALL PENETRATIONS TO BE FIRE-CAULKED AS
PER UL STANDARDS TO PROVIDE ONE-HOURS FLOOR/CEILING ASSEMBLY ON ALL FLOORS.

TYPICAL ROOF CONSTRUCTION:
ONE HOUR RATED ASSEMBLY AS PER U.L. DESIGN P-522

- 60 MIL FULLY ADHERED TPO (THERMOPLASTIC OLEFIN) WHITE ROOFING MEMBRANE
- 4.5" MINIMUM RIGID INSULATION ON ROOF DECK.
- 5/8" GYP. BD. WITH 6" R-19 BATT INSULATION MIN. ON 2 1/2" FURRING CHANNELS @ 24" O.C. ON CEILING SIDE-SEE STRUCTURAL DRAWINGS FOR DETAILS

ROOF ASSEMBLY SHALL BE CLASS B OR BETTER TESTED IN ACCORDANCE WITH ASTM E108 OR UL790

TYPICAL PARAPET CONSTRUCTION:

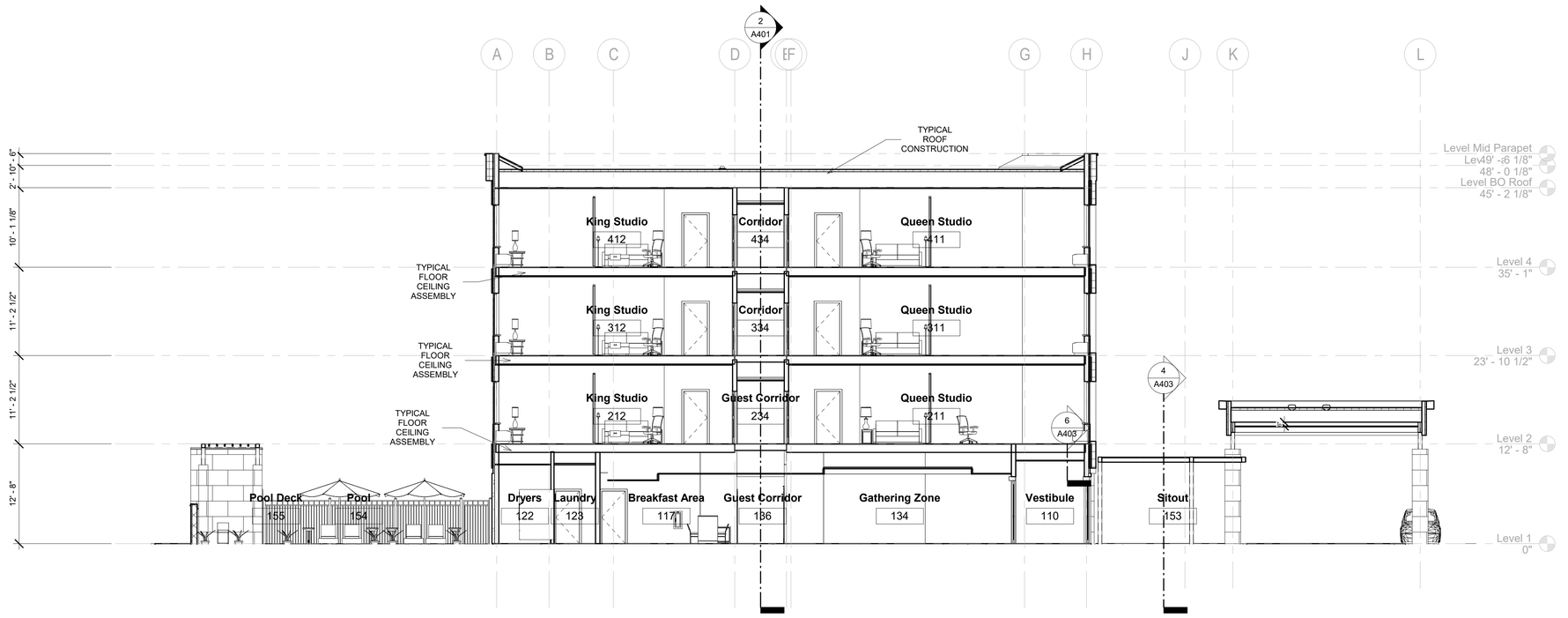
-PREFINISHED METAL COPING ON TREATED BLOCKING.
-ROOF MEMBRANE ALONG INSIDE FACE, UP AND OVER TOP OF PARAPET WALL
-PLYWOOD (FIRE TREATED) NAILER PANEL AT INSIDE FACE OF WALL-SEE DETAIL

TYPICAL EIFS WALL CONSTRUCTION:

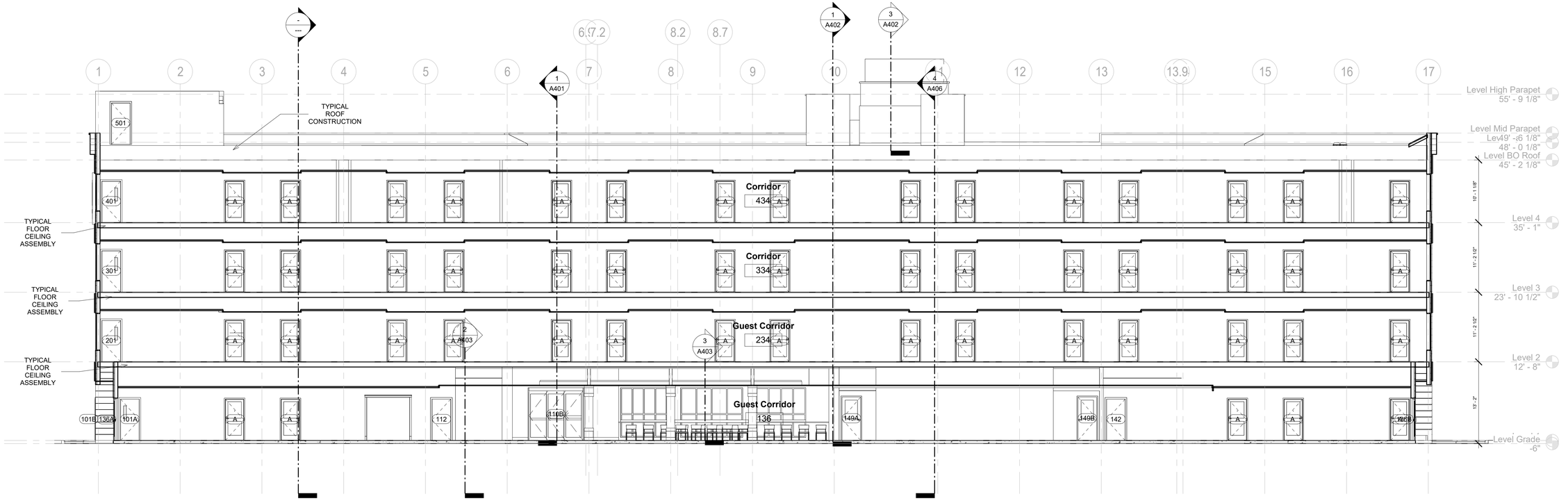
-5/8" GYPSUM ON 6" WOOD STUDS @ 16" O.C. W/ UNFACED R-13 BATT INSULATION
-5/8" PLYWOOD SHEATHING
-2" DRAINABLE EIFS

TYPICAL EXTERIOR MASONRY WALL W/ WOOD STUDS

ADHERED CONCRETE MASONRY VENEER WITH MORTAR SCRATCH COAT ON METAL LATH ON EXTERIOR SHEATHING 6" WOOD STUDS W/ BATT INSULATION AND ONE LAYER 5/8" GYP BD. ON INSIDE. SEE STRUCTURAL DRAWINGS FOR SHEATHING AND WOOD STUDS SIZES AND SPACING.



1 Section N-S thru canopy
1/8" = 1'-0"



2 Section E-W
1/8" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Sections

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A401

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TYPICAL EIFS WALL CONSTRUCTION:

-5/8" GYPSUM ON 6" WOOD STUDS @ 16" O.C. W/ UNFACED R-13 BATT INSULATION
-5/8" PLYWOOD SHEATHING
-2" DRAINABLE EIFS

TYPICAL EXTERIOR MASONRY WALL W/ WOOD STUDS

ADHERED CONCRETE MASONRY VENEER WITH MORTAR SCRATCH COAT ON METAL LATH ON EXTERIOR SHEATHING 6" WOOD STUDS W/ BATT INSULATION AND ONE LAYER 5/8" GYP BD. ON INSIDE. SEE STRUCTURAL DRAWINGS FOR SHEATHING AND WOOD STUDS SIZES AND SPACING.

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ON THE ASSEMBLY RATING. ALL PENETRATIONS TO BE FIRE-CAULKED AS
PER UL STANDARDS TO PROVIDE ONE-HOURS FLOOR/CEILING ASSEMBLY ON ALL FLOORS.

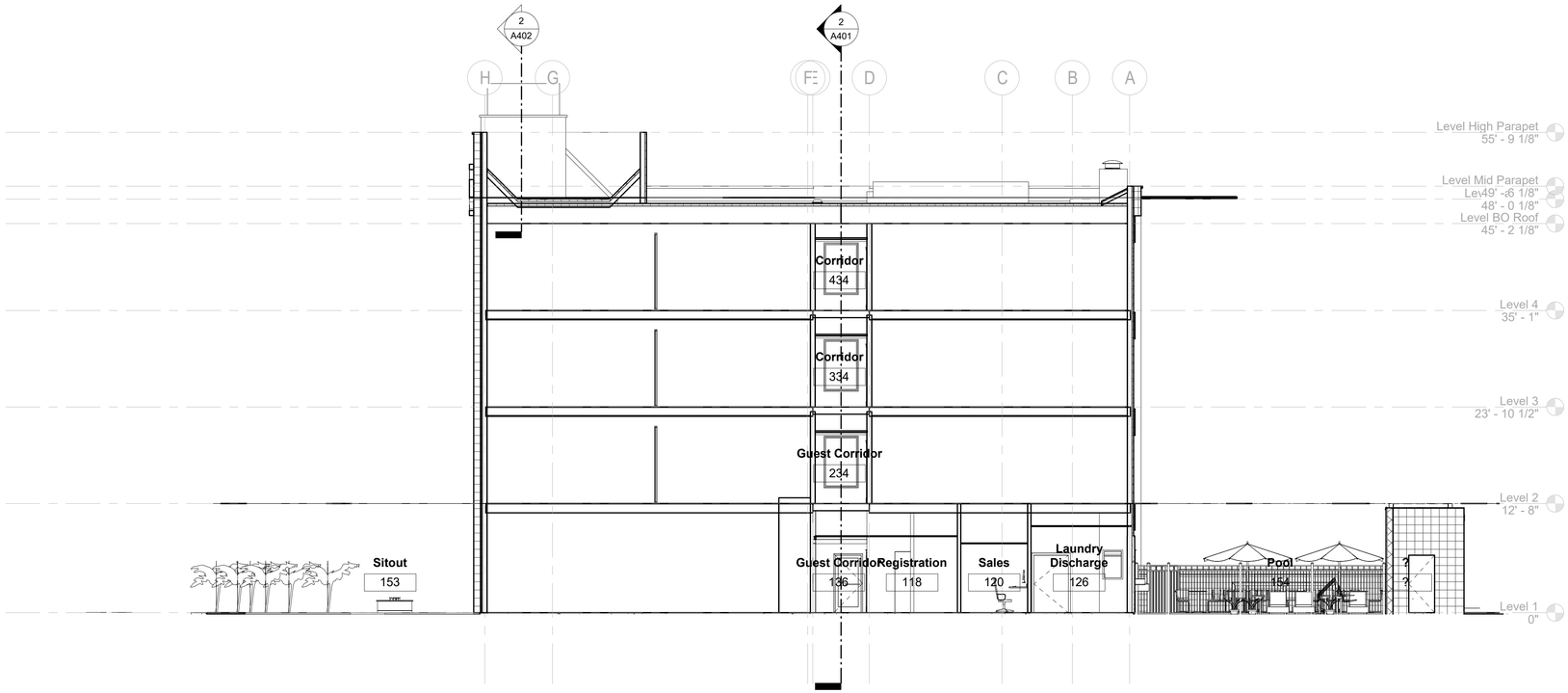
TYPICAL ROOF CONSTRUCTION:
ONE HOUR RATED ASSEMBLY AS PER U.L. DESIGN P-522

- 60 MIL FULLY ADHERED TPO (THERMOPLASTIC OLEFIN) WHITE ROOFING MEMBRANE
- 4.5" MINIMUM RIGID INSULATION ON ROOF DECK.
- 5/8" GYP. BD. WITH 6" R-19 BATT INSULATION MIN. ON 2 1/2" FURRING CHANNELS @ 24" O.C. ON CEILING SIDE-SEE STRUCTURAL DRAWINGS FOR DETAILS

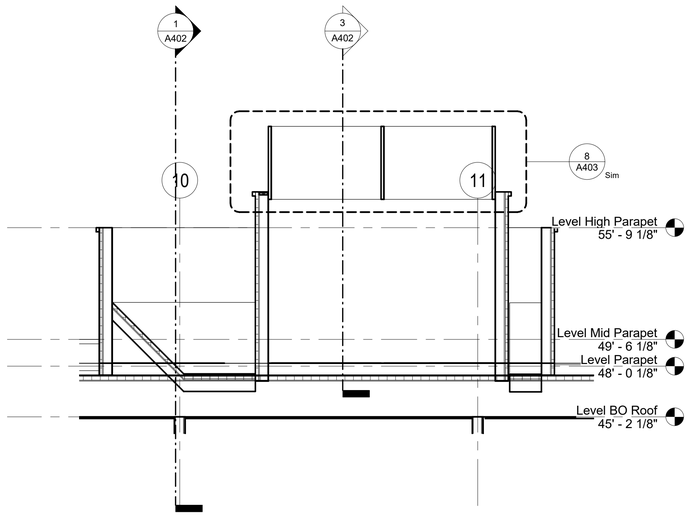
ROOF ASSEMBLY SHALL BE CLASS B OR BETTER TESTED IN ACCORDANCE WITH ASTM E108 OR UL790

TYPICAL PARAPET CONSTRUCTION:

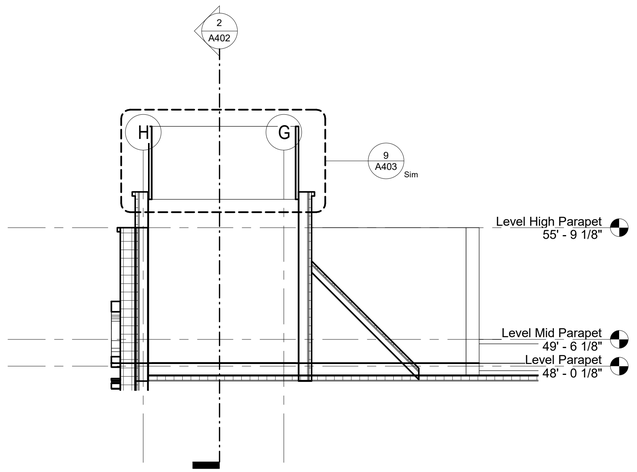
-PREFINISHED METAL COPING ON TREATED BLOCKING.
-ROOF MEMBRANE ALONG INSIDE FACE, UP AND OVER TOP OF PARAPET WALL
-PLYWOOD (FIRE TREATED) NAILER PANEL AT INSIDE FACE OF WALL-SEE DETAIL



1 Section North-South
1/8" = 1'-0"



2 Beacon Section Longitudinal
1/4" = 1'-0"



3 Beacon Section Traverse
1/4" = 1'-0"

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STRUCTURAL:
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2787 Stage Center Dr. Suite 101
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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3535
STATE OF MISSISSIPPI
7/31/2018

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Sections

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A402

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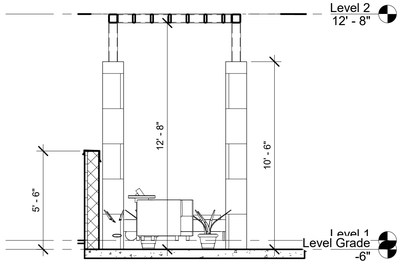
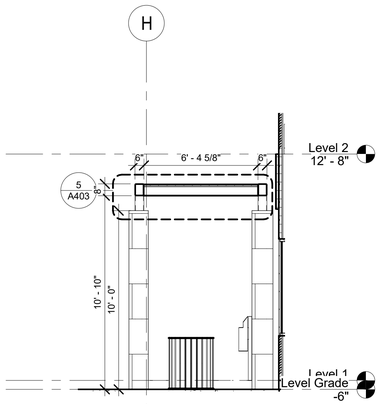
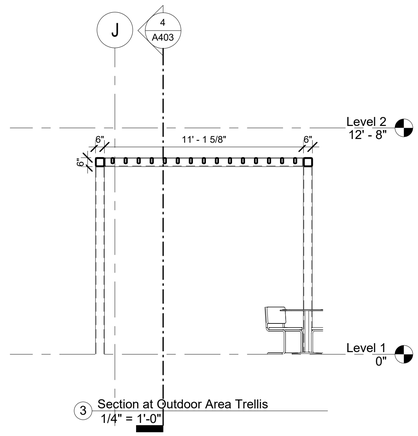
Home2Suites Vicksburg



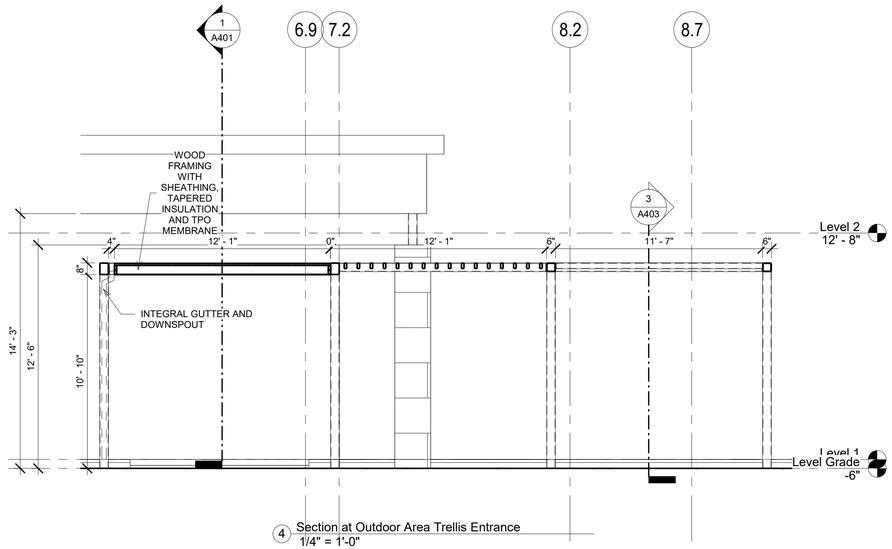
1 Section @ Pool Trellis
1/4" = 1'-0"



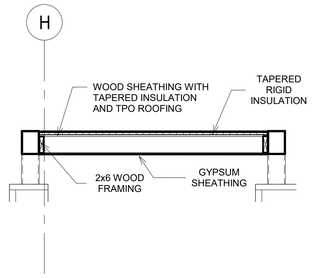
2 Section @ Smoking Area
1/4" = 1'-0"



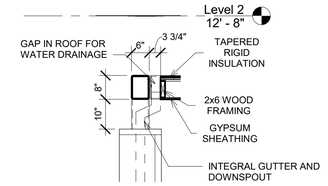
3 Section at Outdoor Area Trellis
1/4" = 1'-0"



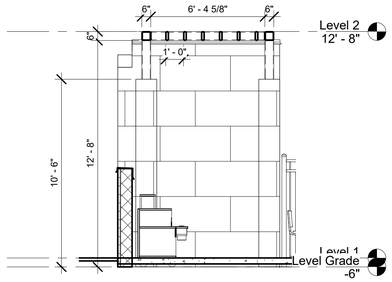
4 Section at Outdoor Area Trellis Entrance
1/4" = 1'-0"



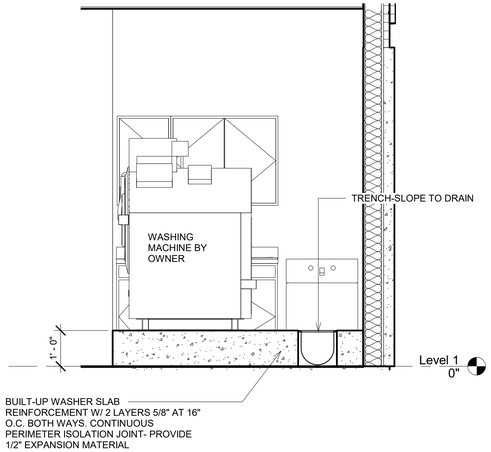
5 Framing @ Smoking Area
1/2" = 1'-0"



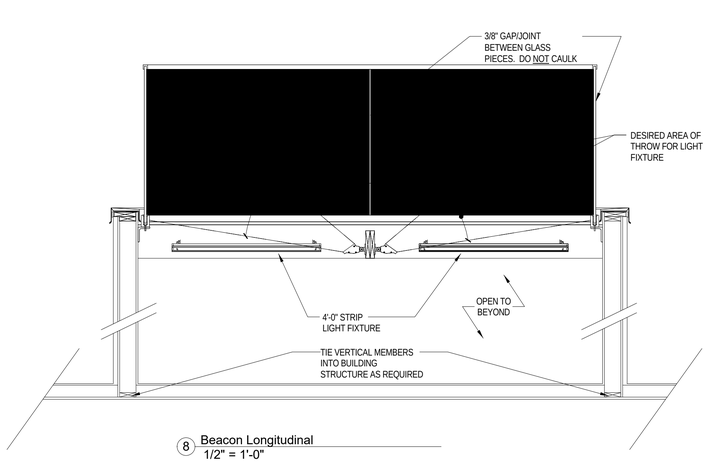
6 Section Smoking Area Framing
1/2" = 1'-0"



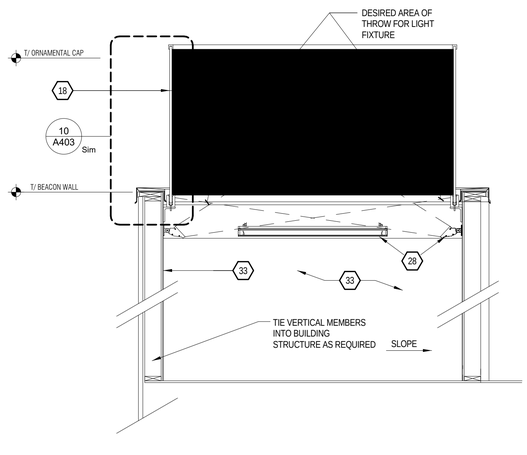
7 Section at Outdoor Grill Trellis
1/4" = 1'-0"



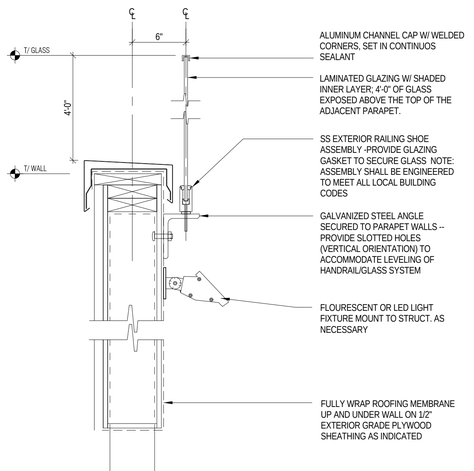
11 Section at Laundry Slab
1/2" = 1'-0"



8 Beacon Longitudinal
1/2" = 1'-0"



9 Beacon Traverse
1/2" = 1'-0"



10 Beacon connection
1 1/2" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI
7/31/2018

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Section and Details

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A403

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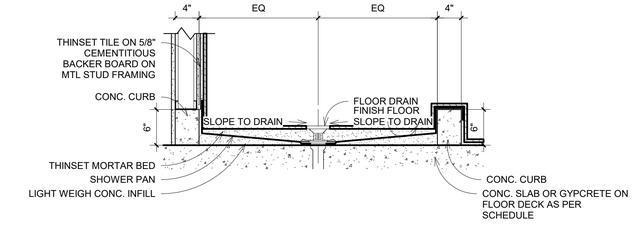
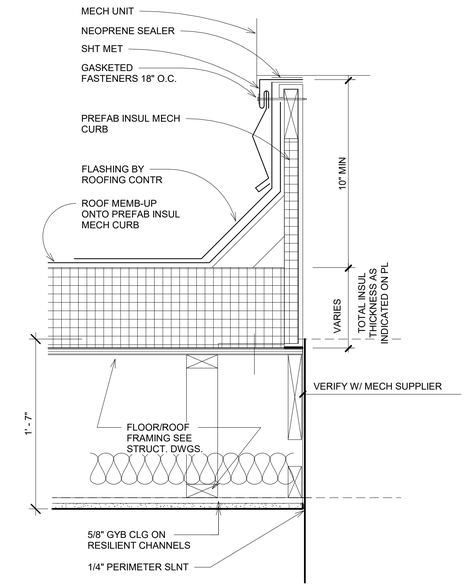
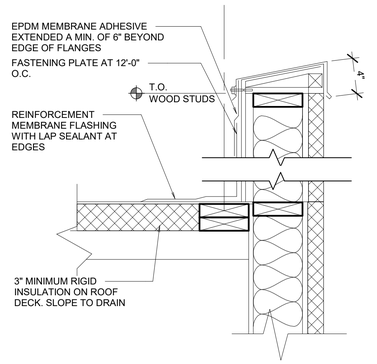


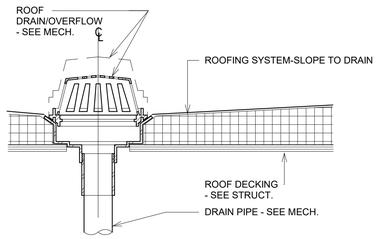
1 Shower Pan Detail
1" = 1'-0"



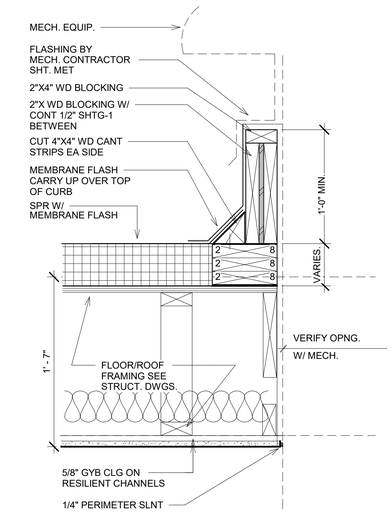
2 Roof AHU Curb
1 1/2" = 1'-0"



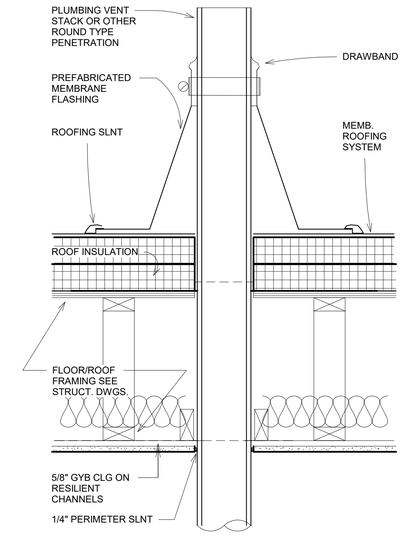
3 Typical Parapet Detail
1 1/2" = 1'-0"



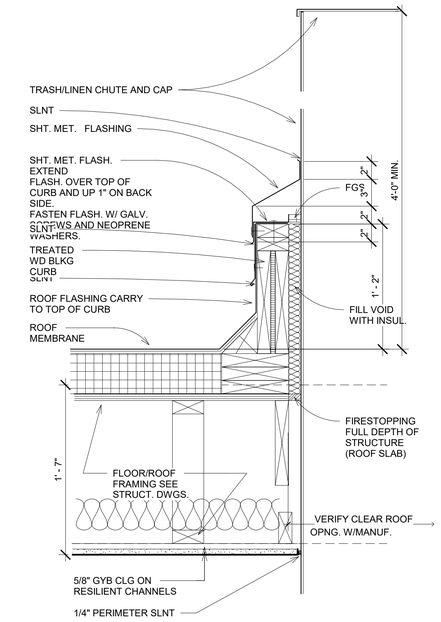
4 Roof Drain Detail
1 1/2" = 1'-0"



5 Roof Equipment Curb
1 1/2" = 1'-0"



6 Roof Vent Detail
1 1/2" = 1'-0"



7 Roof Flashing at Linen Chute
1 1/2" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI
7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Section and Details

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
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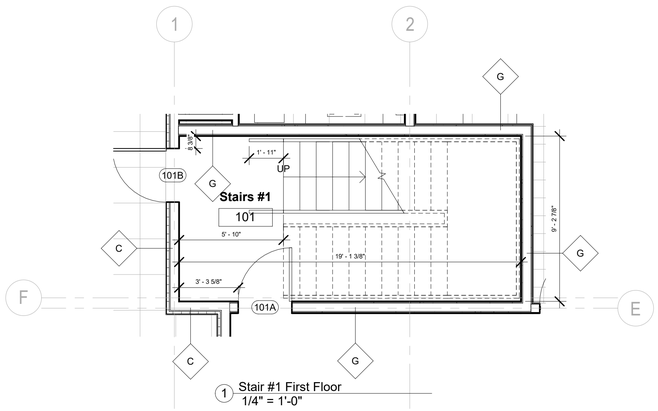
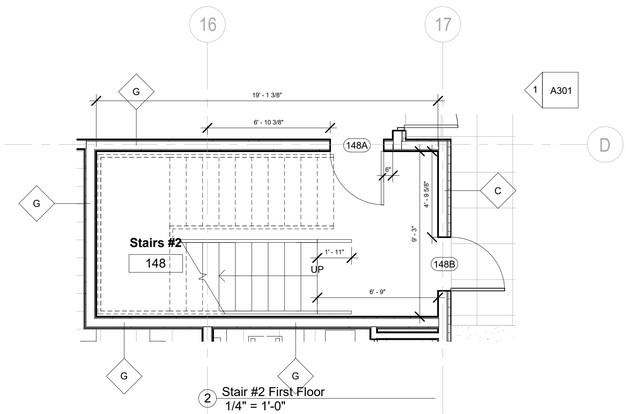
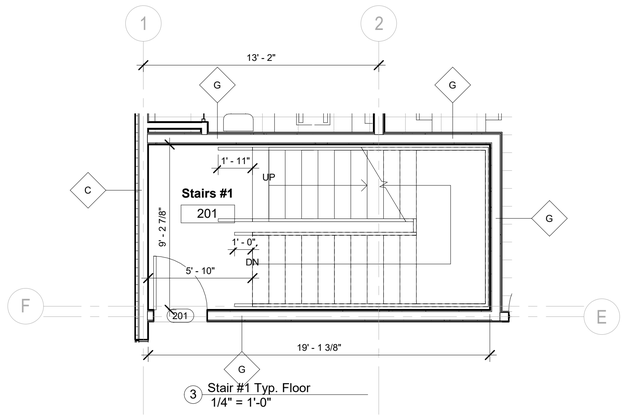
Home2Suites Vicksburg



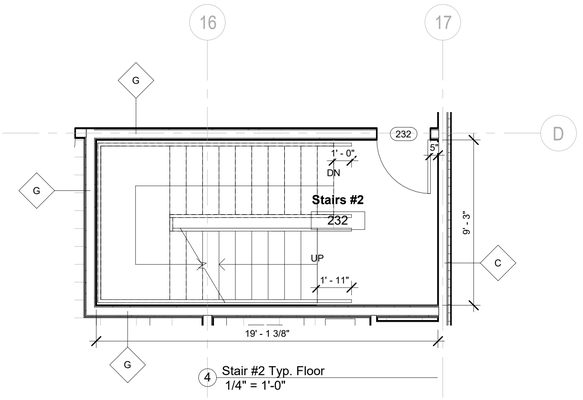
1 Stair #1 First Floor
1/4" = 1'-0"



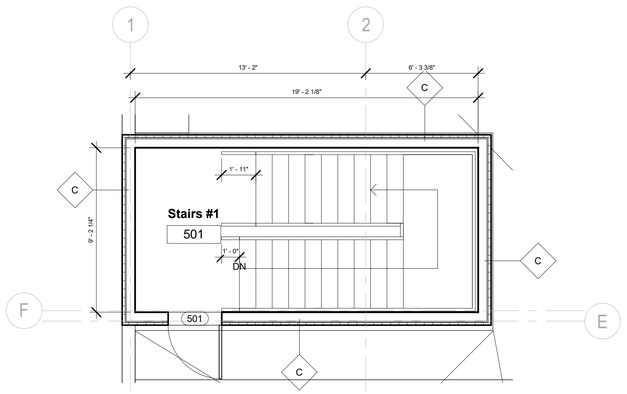
2 Stair #2 First Floor
1/4" = 1'-0"



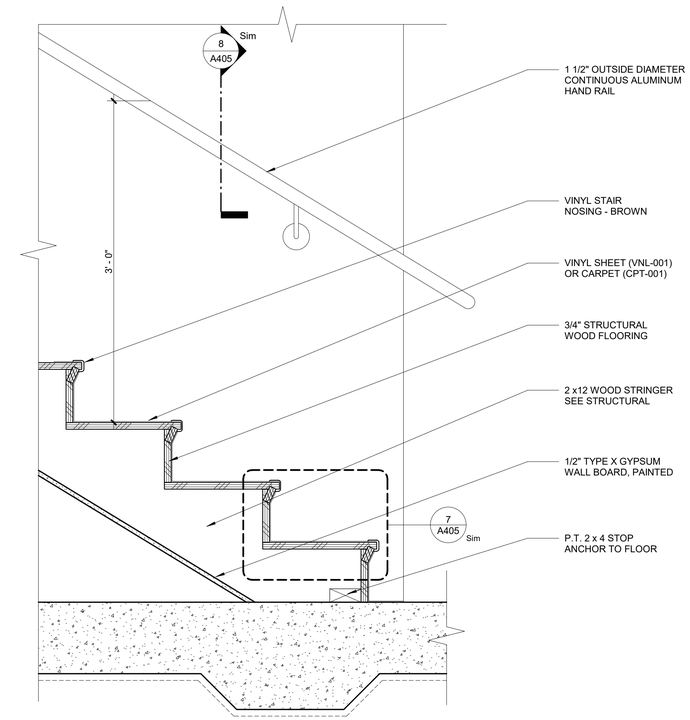
3 Stair #1 Typ. Floor
1/4" = 1'-0"



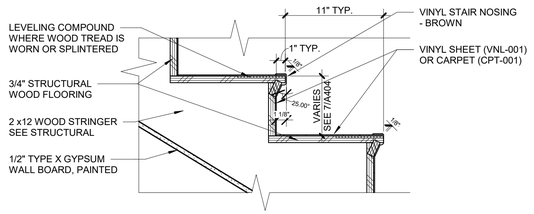
4 Stair #2 Typ. Floor
1/4" = 1'-0"



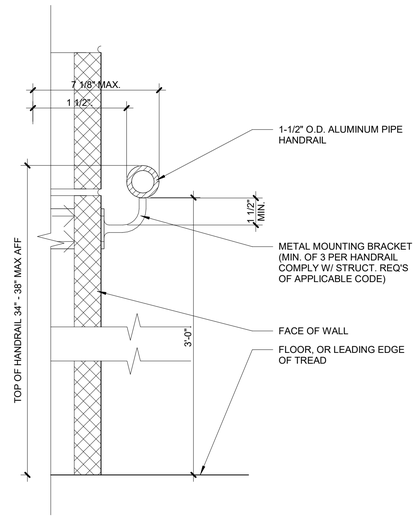
5 Stair #1 Roof Level
1/4" = 1'-0"



6 Stair Section
1 1/2" = 1'-0"



7 Stair Nosing Detail
1 1/2" = 1'-0"



8 Stair-Wall mounted handrail
3" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI 7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Stair Details

Phase
Construction Documentss

Project No.	17-051
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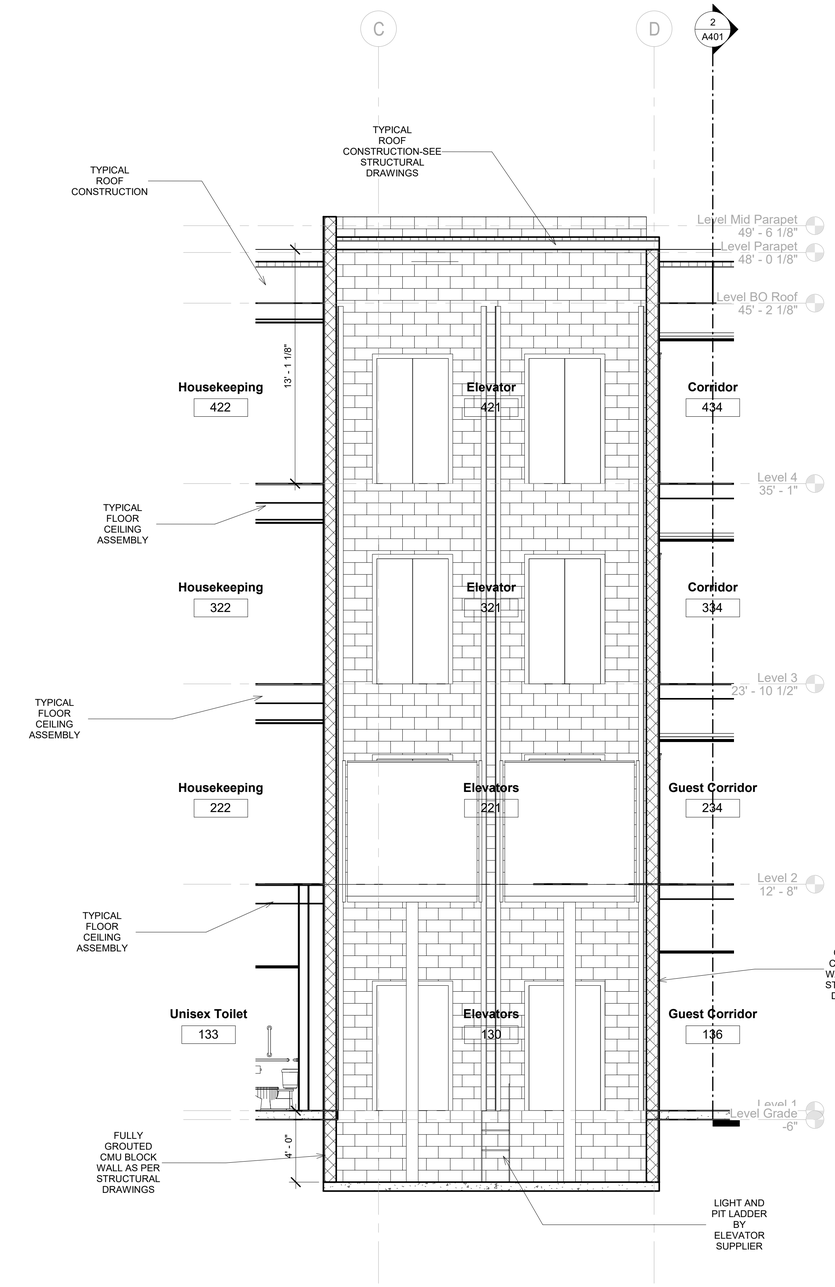
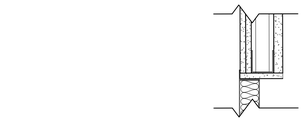


4 Section @ Elevator Shaft
1/4" = 1'-0"



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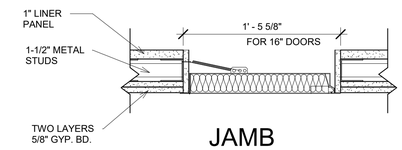

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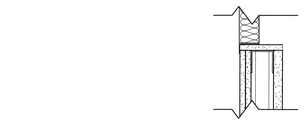
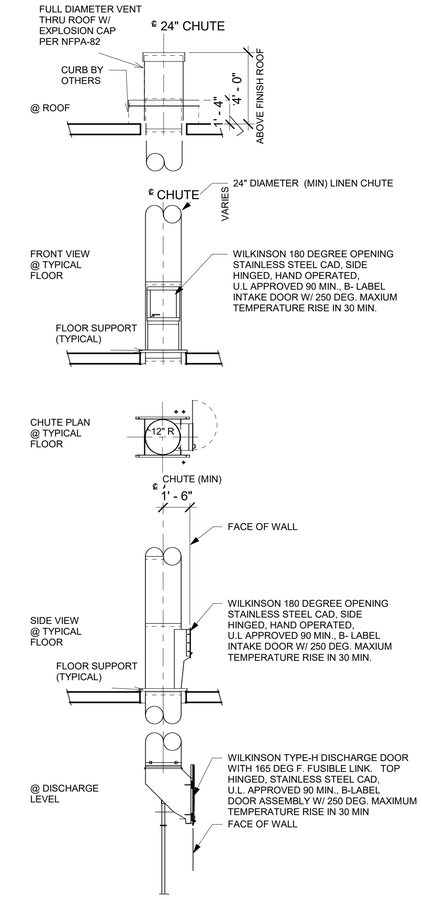
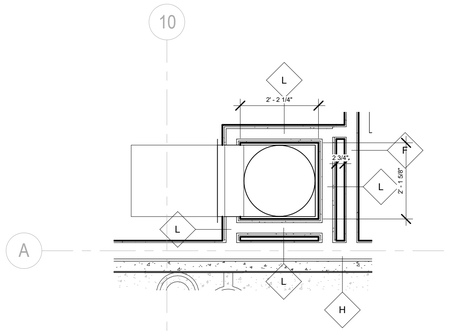


SILL

2 Laundry Chute Door
1 1/2" = 1'-0"



1 Laundry Chute Detail
1/4" = 1'-0"



3 Laundry Chute Plan
1/2" = 1'-0"

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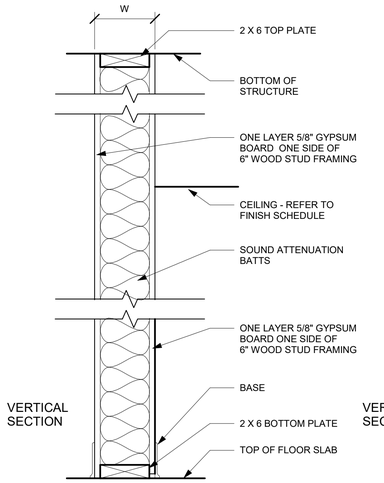


PARTITION TYPE

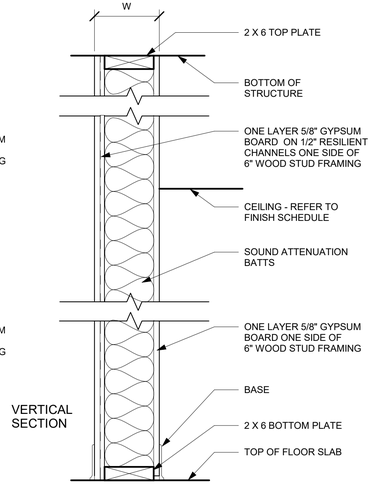
A

STC 45-49 UL: U337

DESCRIPTION

1 HOUR RATED BEARING WALL

W = AS PER 2X6 STUD SIZE



PARTITION TYPE

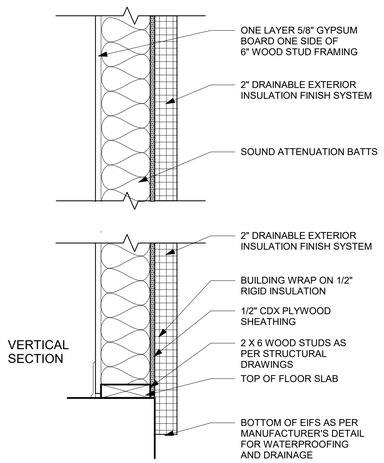
B

STC 50- 54 UL: U311

DESCRIPTION

1 HOUR RATED BEARING WALL

W = AS PER 2X6 STUD SIZE



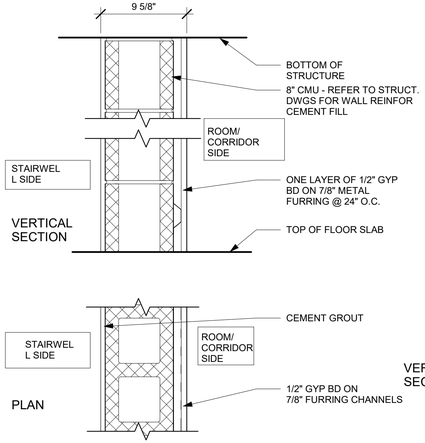
EXTERIOR MASONRY WALL

C

UL: U356 1 HOUR RATED BEARING WALL

DESCRIPTION

EXTERIOR MASONRY WALL WITH EIFS. HEIGHT OF MASONRY VARIES. SEE ELEVATIONS.



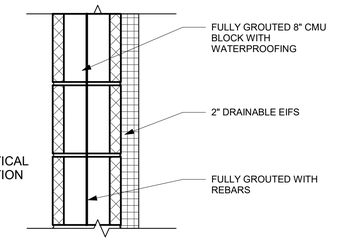
PARTITION TYPE

D

U.L. DESIGN U914 CONCRETE MASONRY UNIT WALL

DESCRIPTION

3 HOUR RATED INTERIOR CMU WALL



EXTERIOR MASONRY WALL

E

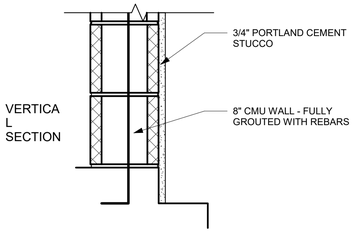
UL: U906: CMU WITH EIFS BEARING WALL - 2HOUR

E1

DESCRIPTION

EXTERIOR MASONRY ON CMU WALL WITH EIFS.

EXTERIOR MASONRY ON CMU WALL WITH EIFS SCORED AS TILE



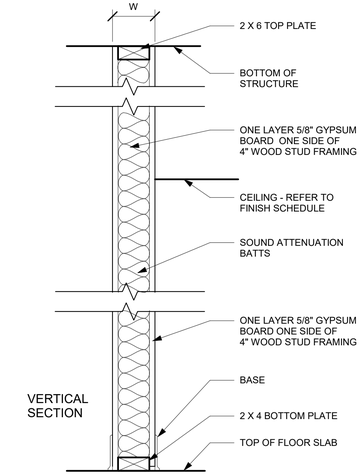
EXTERIOR MASONRY WALL

M

U-906 BEARING WALL 2 HOUR RATED

DESCRIPTION

EXTERIOR MASONRY ON CMU WALL WITH STUCCO. HEIGHT OF MASONRY VARIES. SEE ELEVATIONS.



PARTITION TYPE

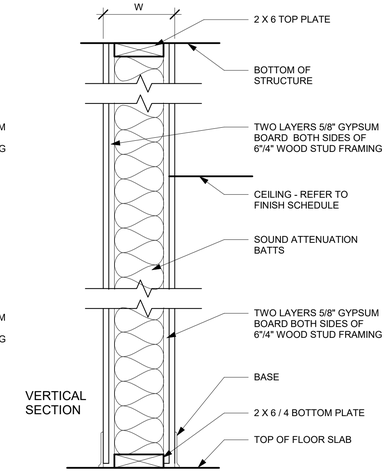
F1(4"), F2(6") F3(8")

STC 45-49 UL: U337

DESCRIPTION

1 HOUR RATED PARTITION

W = AS PER 2X4, 2X6, 2X8 STUD SIZE



PARTITION TYPE

G(6") & L(4")

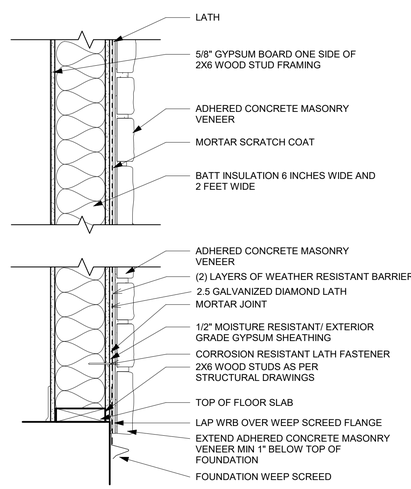
STC 45-49 UL: U334

DESCRIPTION

2 HOUR RATED PARTITION

W = AS PER 6" STUD SIZE

W = AS PER 4" STUD SIZE



EXTERIOR MASONRY WALL

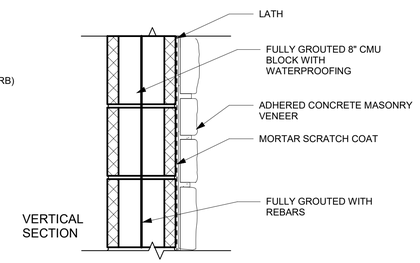
H

UL: U356

DESCRIPTION

EXTERIOR MASONRY WALL.

1 HOUR FIRE RATED EXTERIOR LOAD BEARING WALL



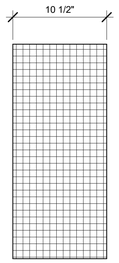
EXTERIOR MASONRY WALL

J

UL: U906: CMU WITH STONE BEARING WALL - 2HOUR

DESCRIPTION

EXTERIOR MASONRY ON CMU WALL WITH STONE



EXTERIOR BUILT UP EIFS WALL

K

DESCRIPTION

BUILT UP EIFS WALL

1 HOUR FLOOR RATING BASED ON ICC ER-3433 AND ICC ESR-1153
1 HOUR ROOF RATING BASED ON UL P522

FIRE PROTECTION FEATURES:

STRUCTURAL ELEMENT	**FIRE RATING REQD.**	**FIRE RATING PROVIDED**
- STRUCTURAL FRAMING	1 HOUR	1 HOUR (UL X526)
- BEARING WALLS EXTERIOR	1 HOUR	1 HOURS (UL U356)
- BEARING WALLS INTERIOR	1 HOUR	1 HOUR (UL U337)
- FLOOR CONSTRUCTION	1 HOUR	1 HOUR (ER--3433; ESR 1153))
- ROOF CONSTRUCTION	1 HOUR	1 HOUR (P522)
FIRE BARRIER	**FIRE RATING REQD.**	**FIRE RATING PROVIDED**
- STAIR WALLS	2 HOUR	2 HOURS (UL U334)
- ELEVATOR SHAFT	2 HOUR	2 HOURS (UL U914,U906,U902)
FIRE PARTITION	**FIRE RATING REQD.**	**FIRE RATING PROVIDED**
- CORRIDOR	1 HOUR	1 HOUR (UL U337)
- GUESTROOM SEPARATION	1 HOUR	1 HOUR (UL U311)

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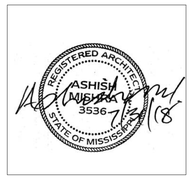

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Wall Types

Phase
Construction Documentss

Project No. 17-051
Prepared by Author
Checked by Checker
Date July 31, 2018

Sheet No. A407

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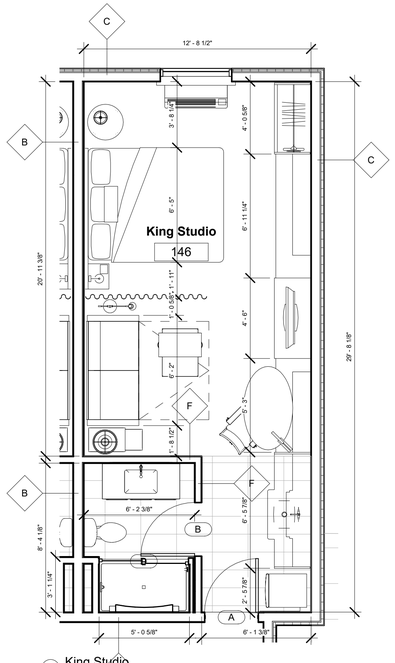
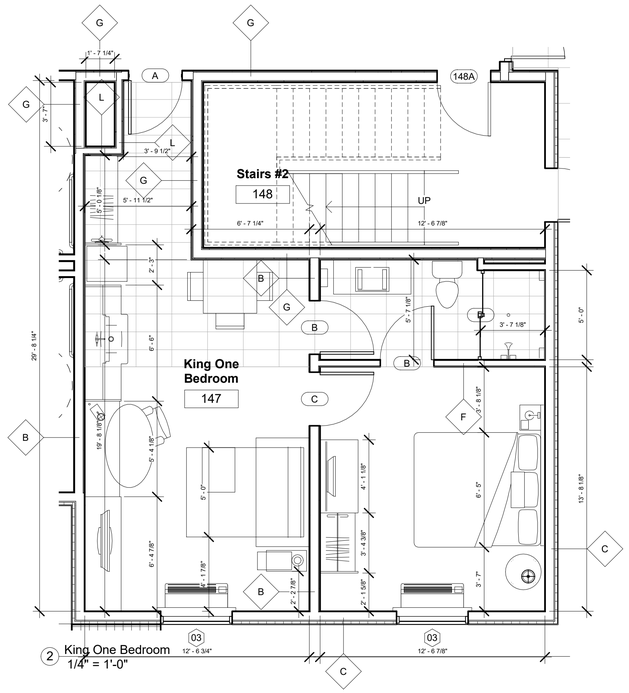
4/8/2019 3:31:06 PM

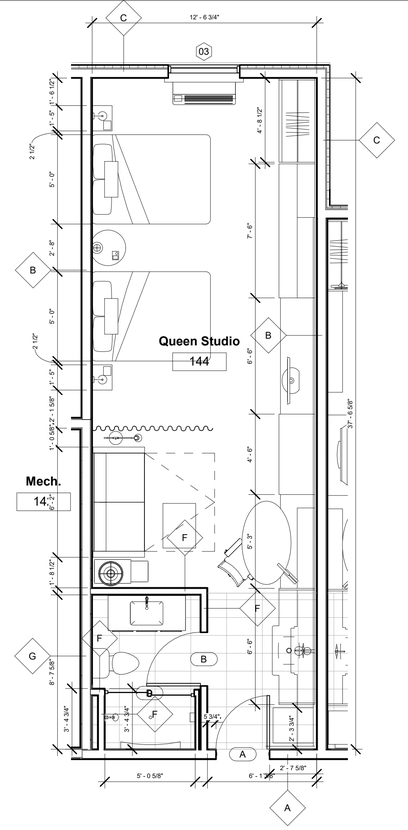
Home2Suites Vicksburg



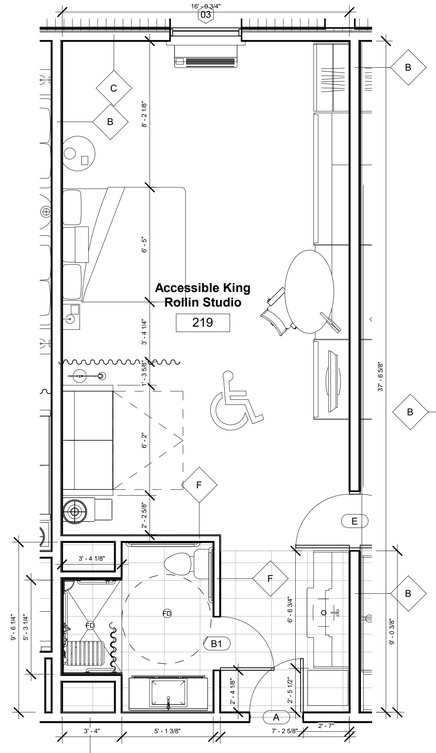
1 King Studio
1/4" = 1'-0"



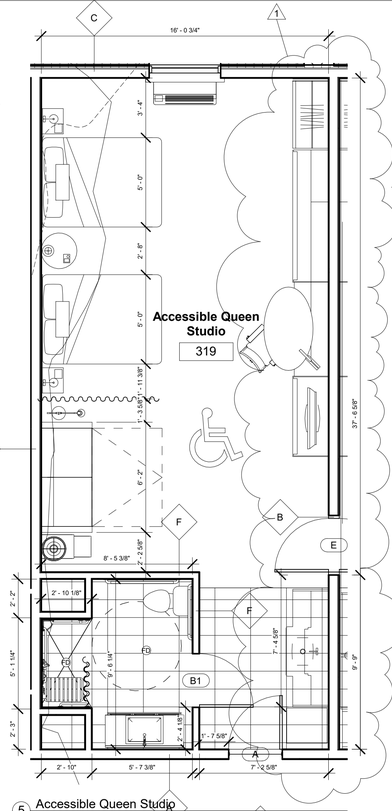
2 King One Bedroom
1/4" = 1'-0"



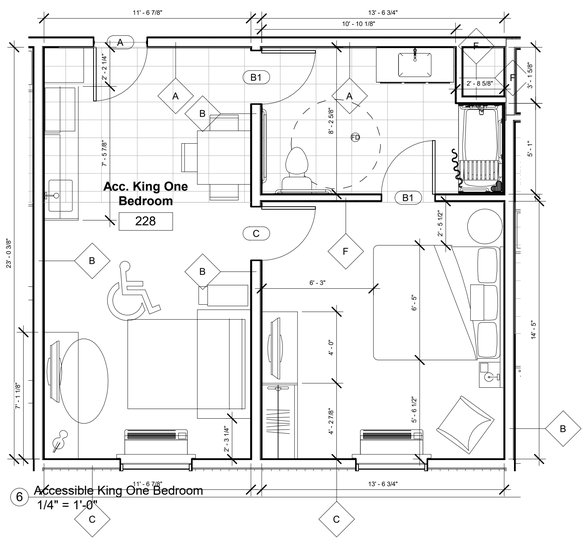
3 Double Queen Studio
1/4" = 1'-0"



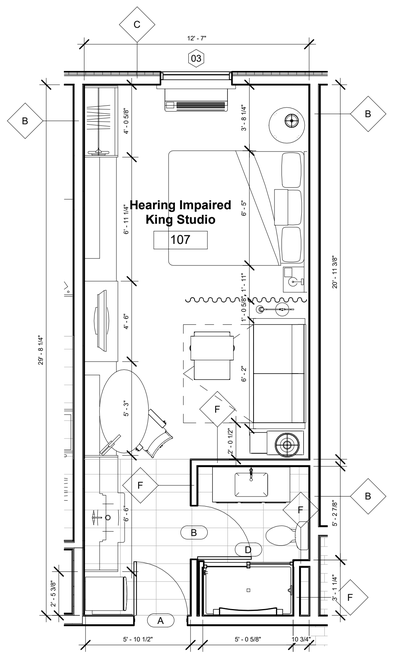
4 Accessible King Rollin Studio
1/4" = 1'-0"



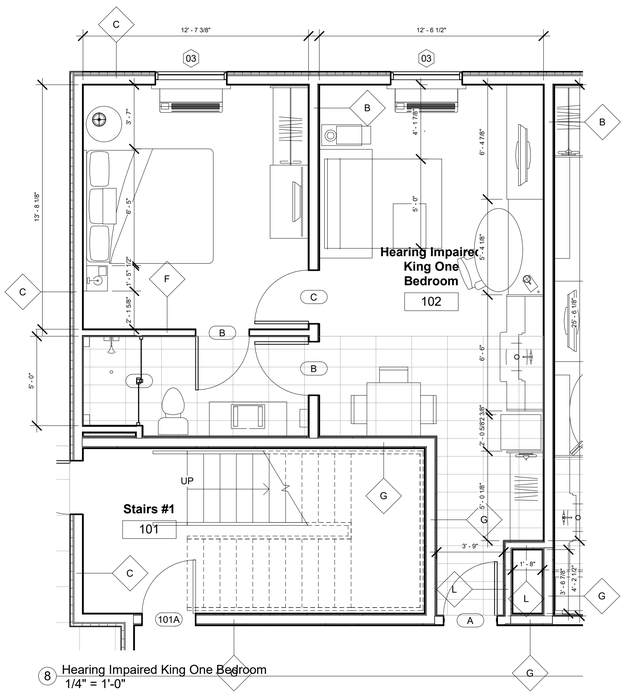
5 Accessible Queen Studio
1/4" = 1'-0"



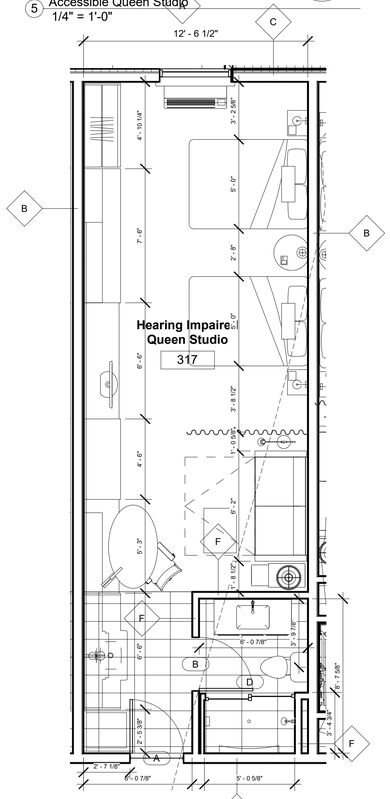
6 Accessible King One Bedroom
1/4" = 1'-0"



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



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



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

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Room Layouts

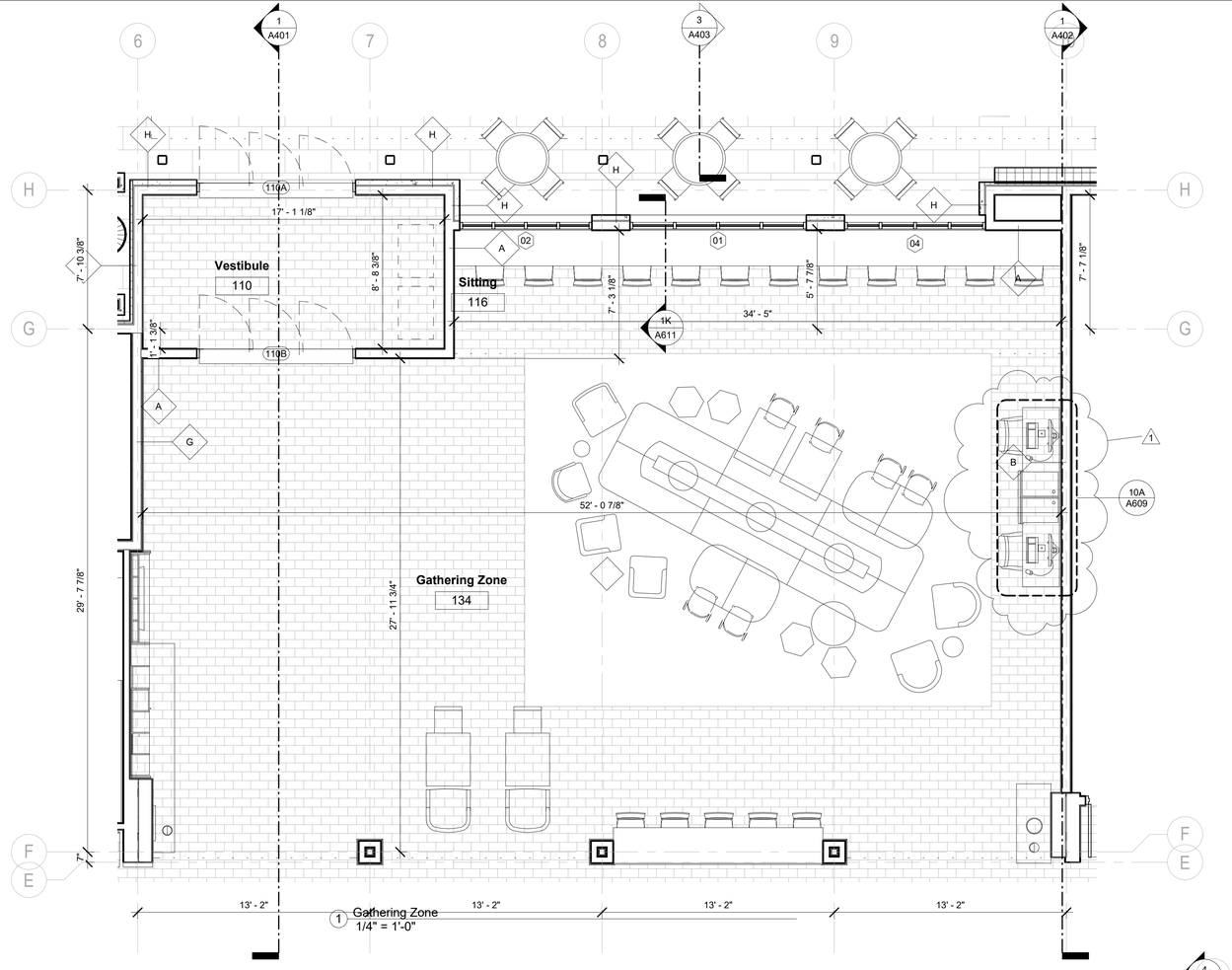
Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018
Released for	

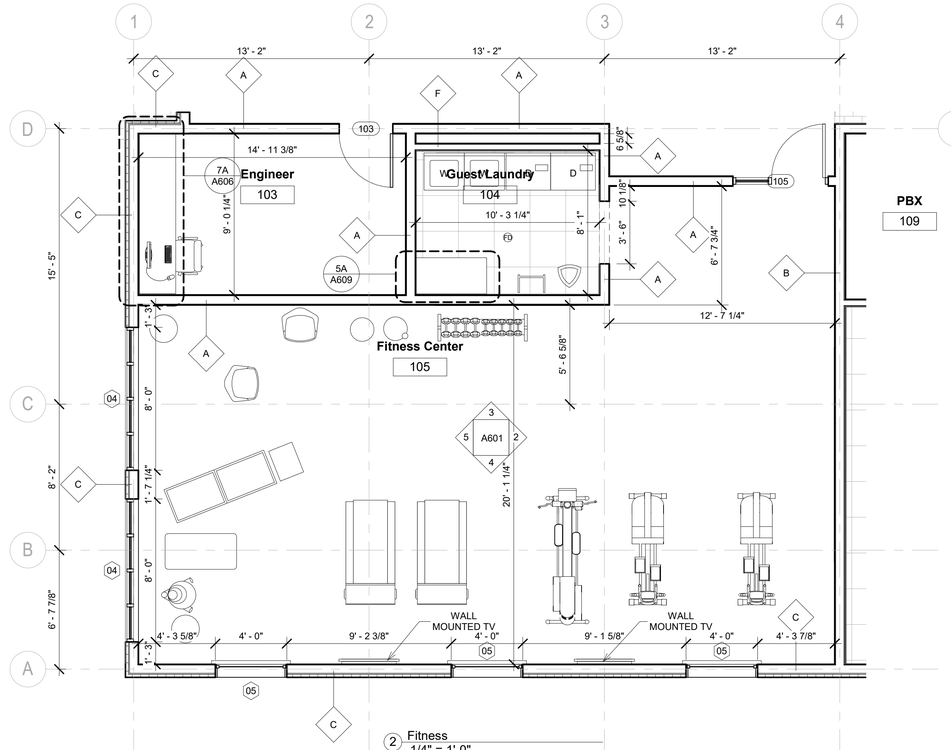
Sheet No. A501

Home2Suites Vicksburg

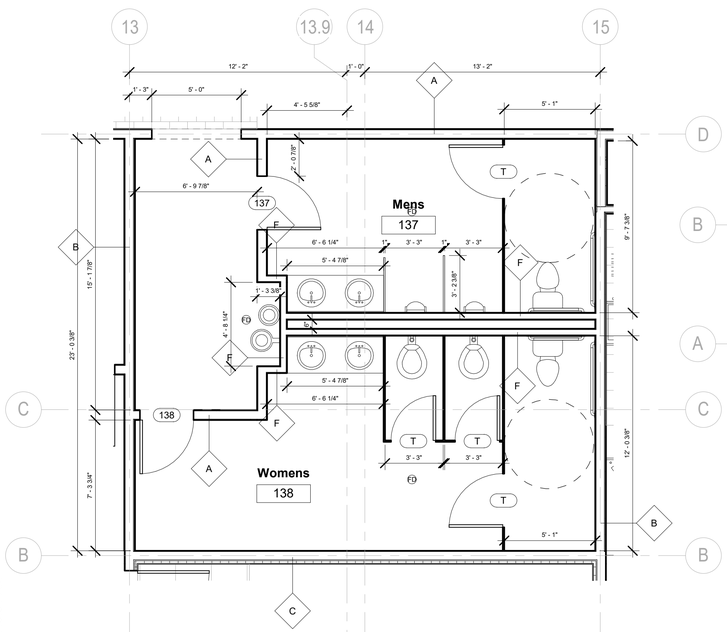
10/4/2019 8:44:59 AM



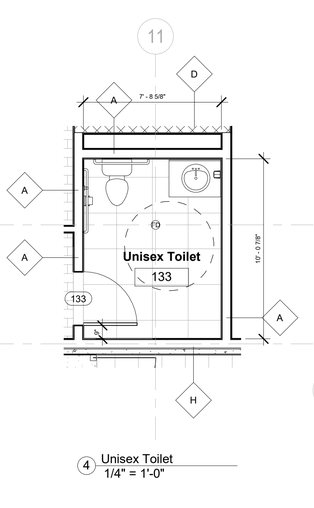
1 Gathering Zone
1/4" = 1'-0"



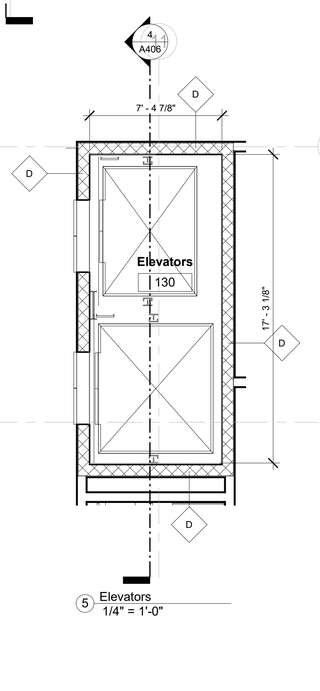
2 Fitness
1/4" = 1'-0"



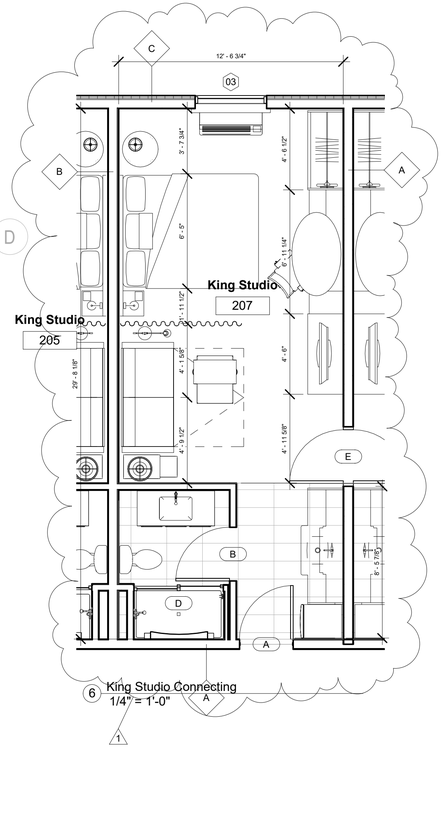
3 Public Restrooms
1/4" = 1'-0"



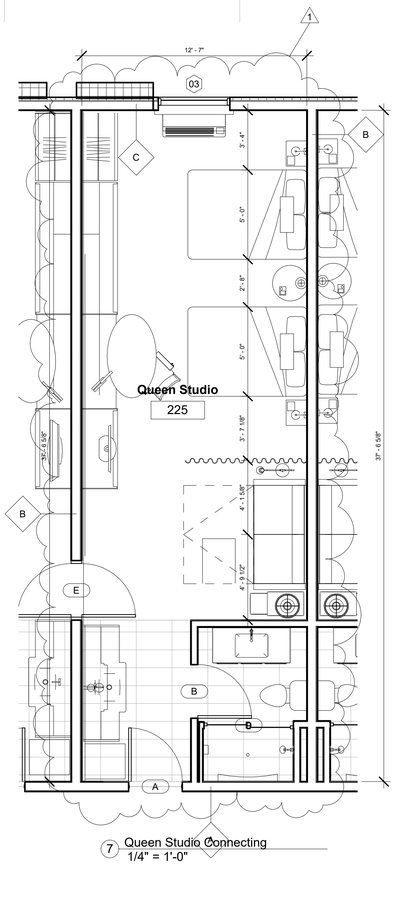
4 Unisex Toilet
1/4" = 1'-0"



5 Elevators
1/4" = 1'-0"



6 King Studio Connecting
1/4" = 1'-0"



7 Queen Studio Connecting
1/4" = 1'-0"

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI
10/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Room Layouts

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A502

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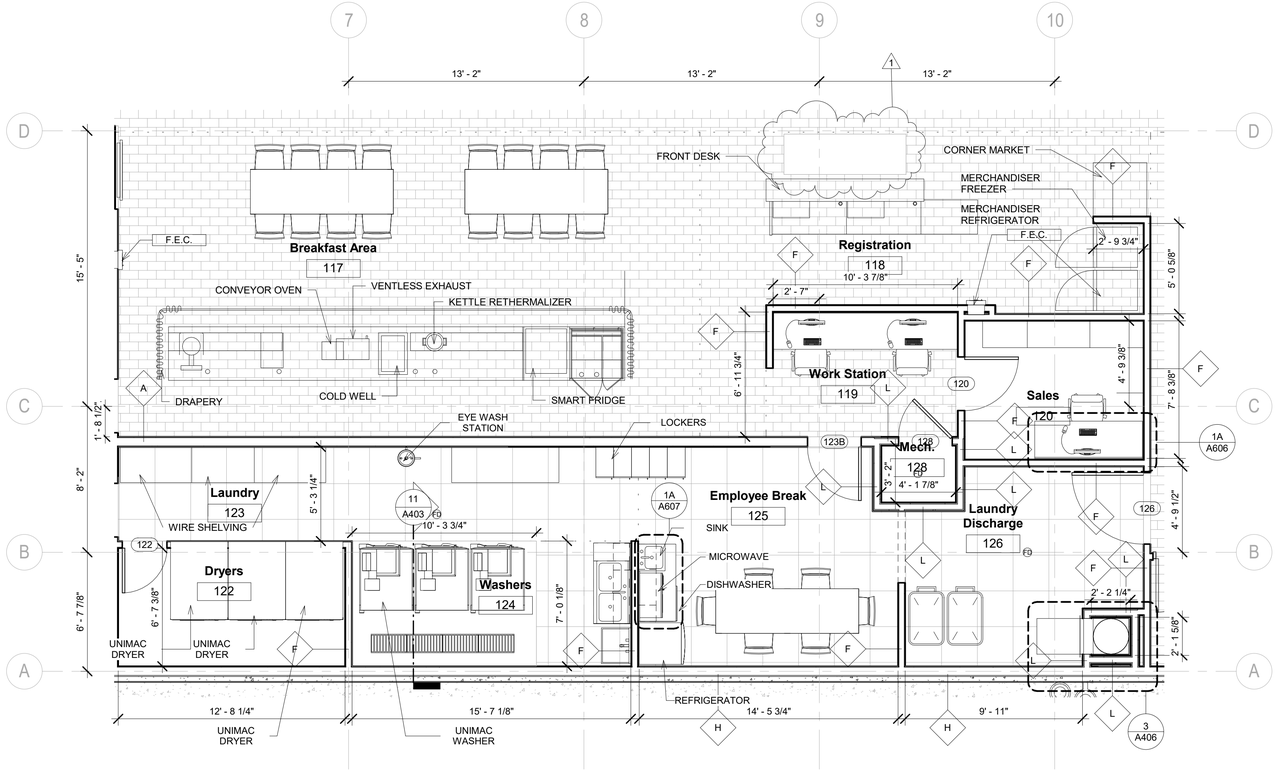
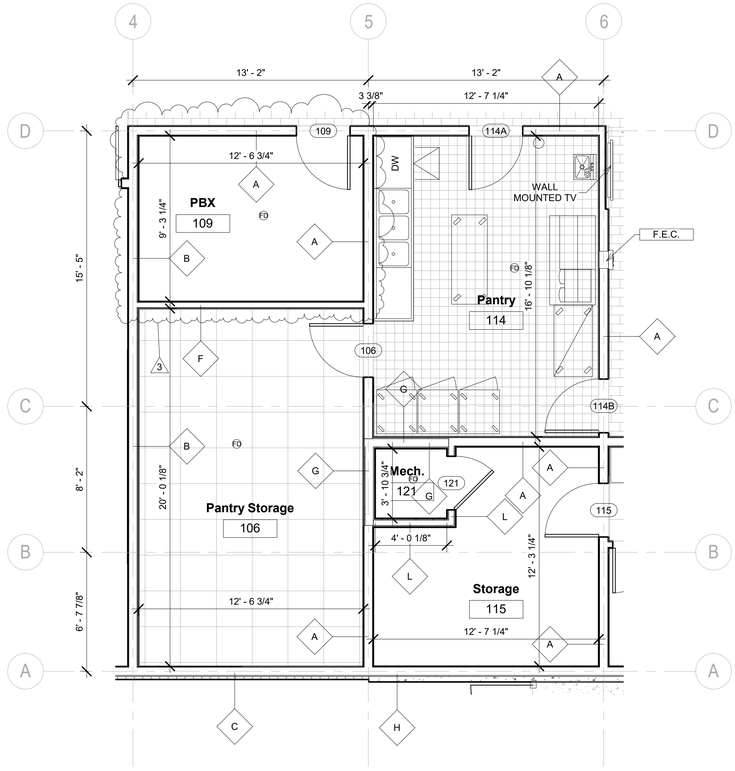


1 Back of House
1/4" = 1'-0"



2 Pantry
1/4" = 1'-0"

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No.	Date	Description
1	10/09/18	Hilton review
3	5/13/19	Owner request

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI
7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Room Layouts-Public Areas

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
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Date	July 31, 2018

Sheet No.
A503

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GENERAL NOTES

1. HANDRAIL AND LADDER SHALL BE 1 1/2" DIA. STAINLESS STEEL.

2. THE POOL DRAWINGS & RELATED SPECS. ARE TO BE CONSIDERED AS MINIMUM REQUIREMENTS. THE G.C. & POOL CONTRACTOR ARE RESPONSIBLE FOR THE IMPLEMENTATION OF ALL APPLICABLE CODES ASSOCIATED WITH THE CONSTRUCTION TECHNIQUE OF THE POOL AREA & THE POOL EQUIPMENT ROOM.

3. DRAINAGE FOR THE DECK AREA MUST BE PROVIDED BY TRENCH DRAIN OR SLOPING DECK TOWARDS LANDSCAPED AREA. CONTRACTOR TO PROVIDE TWO POOL DRAINS.

4. AN EMERGENCY HOUSE PHONE MUST BE PROVIDED AT THE POOL. IT MUST BE IN A WEATHER TIGHT ENCLOSURE. WHEN THE RECEIVER IS LIFTED, THE PHONE MUST AUTOMATICALLY DIAL THE FRONT DESK. THE TOP OF THE PHONE MUST BE MOUNTED NO HIGHER THAN 48" FROM THE FLOOR.

5. GENERAL CONTRACTOR TO PROVIDE UNDERWATER LIGHTS AND CONNECTIONS TO POOL DRAINS.

6. PROVIDE PROFESSIONALLY DESIGNED AND MANUFACTURED INTERNATIONAL NO DIVING EMBLEM AND DEPTH MARKINGS AS DESCRIBED BELOW. (PAINTED DEPTH MARKINGS ARE NOT PERMITTED)
-DEPTH MARKINGS: DEPTH MUST BE CLEARLY SHOWN ON BOTH THE TOP AND SIDE (ABOVE THE WATER LINE) OF THE SWIMMING POOL COPING. DEPTH MARKINGS MUST BE COMMERCIAL GRADE AND INDICATE BOTH FEET AND METERS ON THE TOP OF THE POOL COPING AND FEET ON THE SIDE OF THE POOL COPING. PAINTED DEPTH MARKINGS ARE NOT PERMITTED; SLIP PROOF TILES ARE REQUIRED.
-NO DIVING: COMMERCIAL GRADE "NO DIVING" AND THE INTERNATIONAL SYMBOL MUST BE DISPLAYED ON THE TOP SIDE OF THE POOL COPING NEAR THE DEPTH MARKINGS. THE WORDS AND SYMBOL MUST BE DISPLAYED IN CONTRASTING COLORS TO THE BACKGROUND.

7. THE 2010 ADA STANDARDS REQUIRE THAT ALL POOLS OFFER ONE OR MORE ACCESSIBLE MEANS OF ENTRY (AS DEFINED BY THE 2010 ADA STANDARDS) FOR DISABLED GUESTS, DEPENDING ON THE SIZE OF THE POOL. TO THE EXTENT A POOL LIFT IS PROVIDED TO SATISFY THIS REQUIREMENT, THE LIFT MUST BE OPERABLE BY THE GUEST WITHOUT ASSISTANCE. REFER TO 2010 ADA STANDARDS FOR ALL NEW REQUIREMENTS. SUBMIT LOCATION OF POOL LIFT AT THE POOL AND SHOW THE REQUIRED MANEUVERING CLEARANCES.

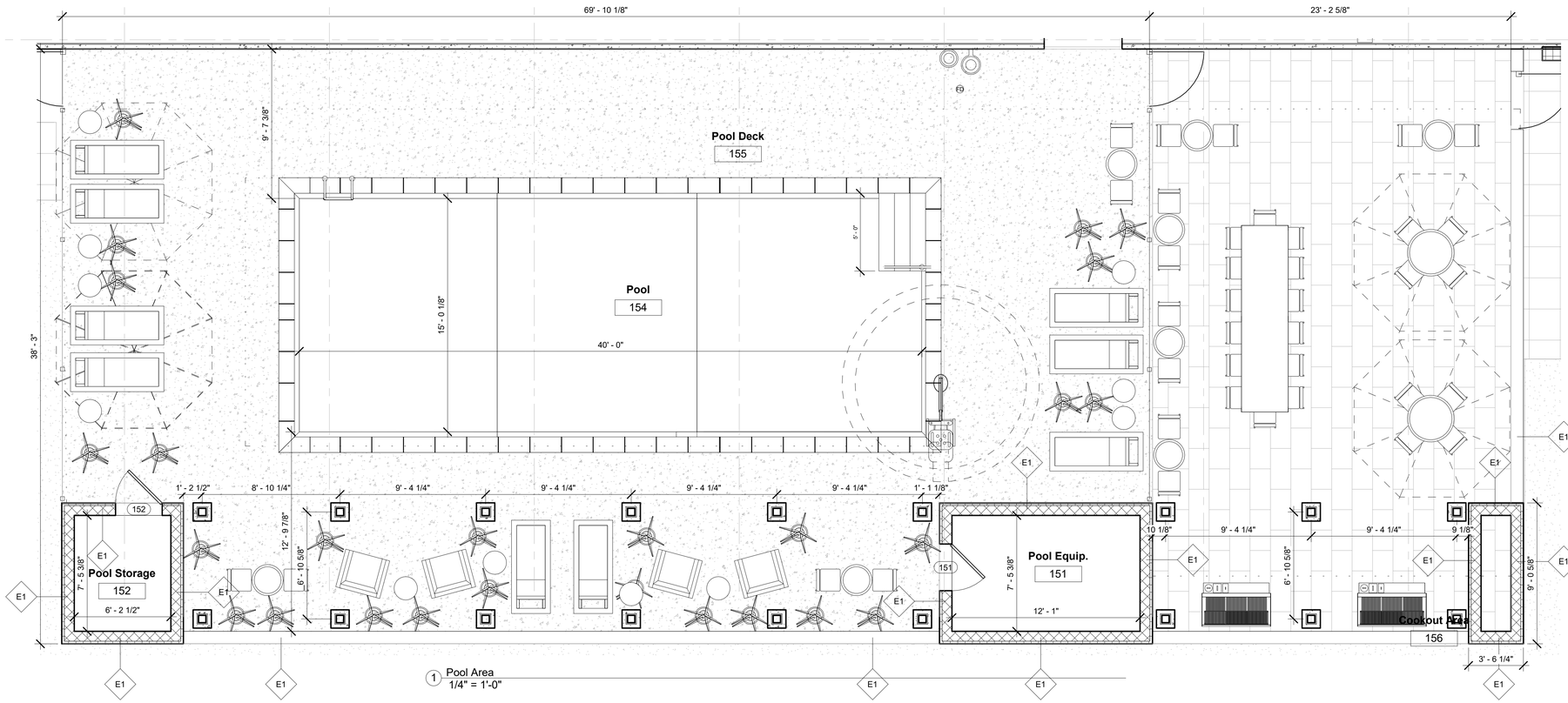
8. PROVIDE THE REQUIRED POOL ACCESSORIES INCLUDING: SHEPHERD'S HOOK, RING, ROPE, ETC. SEE BRAND STANDARDS FOR COMPLETE LIST.

9. PROVIDE THE REQUIRED SIGNAGE AND COORDINATE WITH THE HOTEL'S OVERALL SIGNAGE PACKAGE. PERMANENTLY INSTALLED "POOL RULES" AND "HOURS OF OPERATION" SIGNAGE IS REQUIRED.

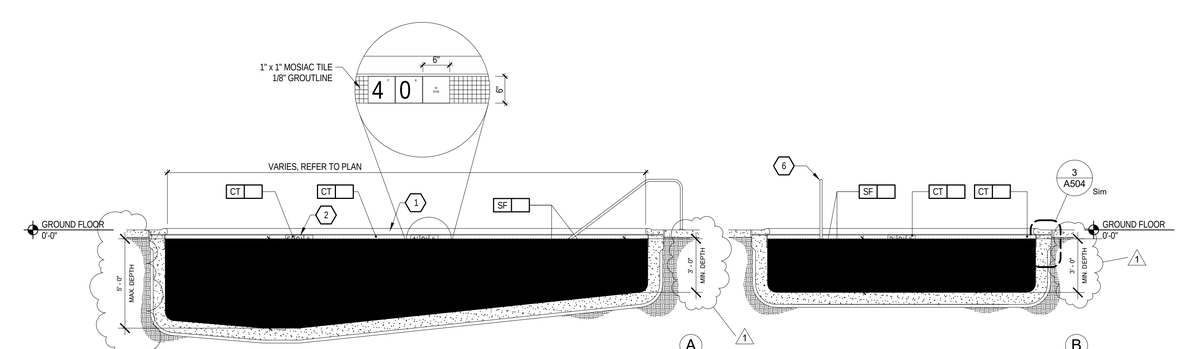
10. RECOMMEND A MAXIMUM POOL DEPTH OF 5'-0". FLOATER LINES ARE REQUIRED AT EITHER THE 5'-0" DEPTH LINE IN POOLS DEEPER THAN 5'-0" OR ALTERNATELY 1'-0" BEFORE THE POINT WHERE THE SWIMMING POOL SLOPES TOWARDS THE DEEP END.

11. SUBMIT POOL DESIGN DRAWINGS SHOWING THE FURNISHINGS, FINISH SELECTIONS AND SPECIFICATIONS PRIOR TO INSTALLATION. POOL DECK MUST BE DECORATIVELY SURFACED WITH A FINISH THAT PROVIDES A MINIMUM COEFFICIENT OF FRICTION, WET & DRY, OF 0.6. DECK FINISH MAY BE CERAMIC/PORCELAIN TILE, PATTERNED SYNTHETIC CEMENT TOPPING OR A DECORATIVELY PATTERNED AND SEALED CONCRETE SURFACE.

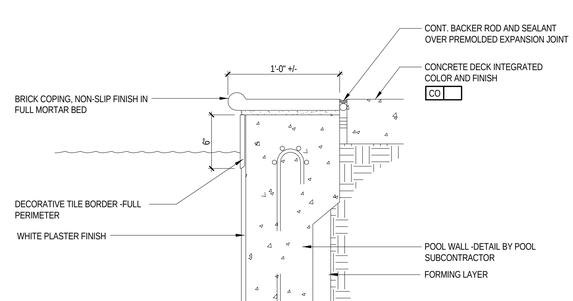
12. DEPTH MARKERS MUST BE IN IMPERIAL AND METRIC UNITS.



1 Pool Area
1/4" = 1'-0"



2 Pool Section
1/4" = 1'-0"



3 Pool Coping Section
1 1/2" = 1'-0"

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT ASHISH VASHI 3536 STATE OF MISSISSIPPI
10/9/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Pool Layout and Details

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
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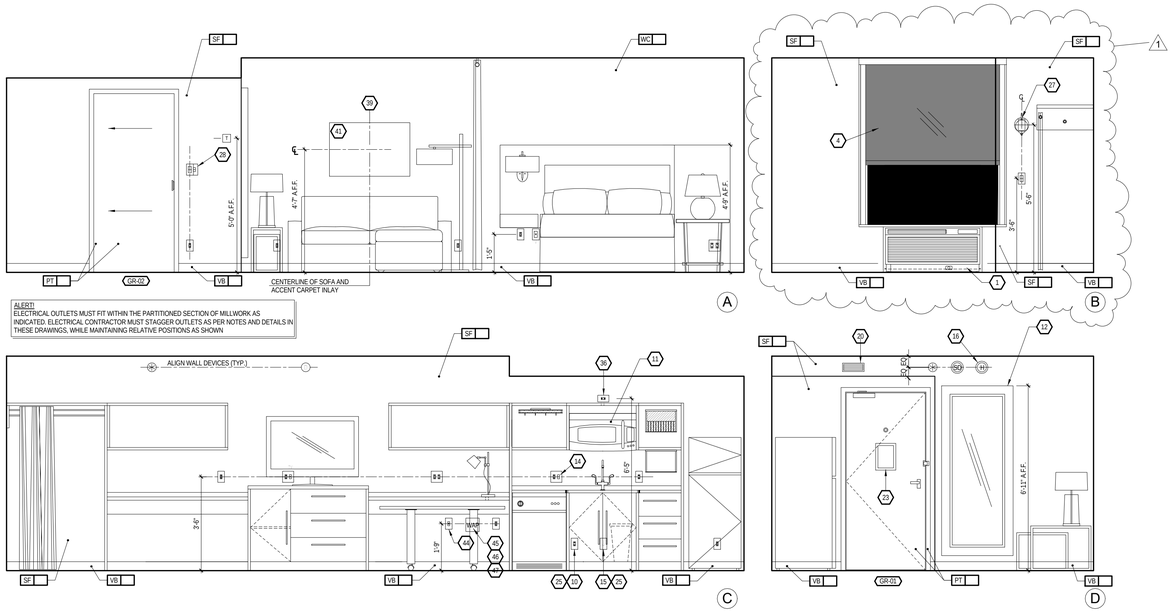
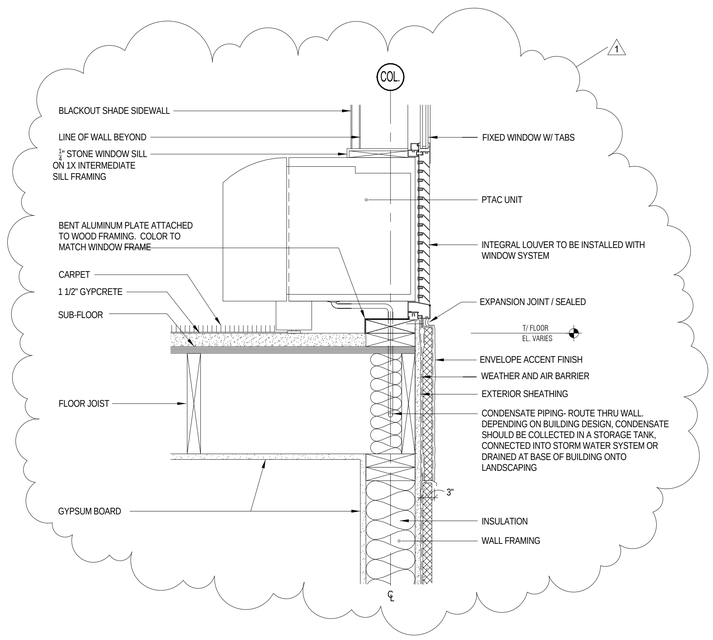
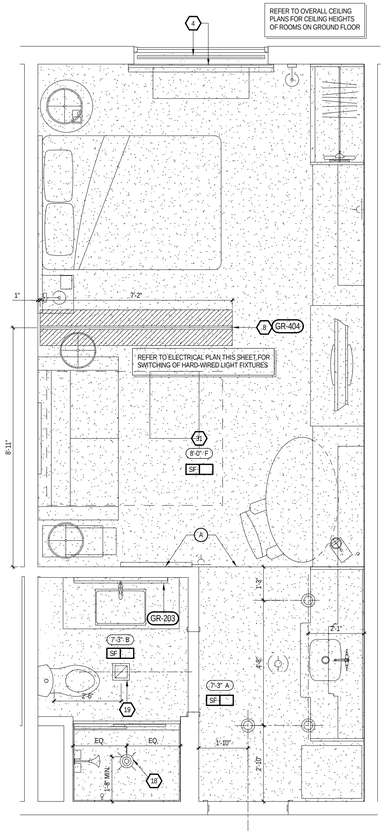


INTERIOR ELEVATIONS - QUEEN STUDIO
3 3/8" = 1'-0"



4 Typ. Guestroom Window Sill
1 1/2" = 1'-0"



2 CEILING PLAN
3/8" = 1'-0"

1 CONSTRUCTION PLAN
3/8" = 1'-0"

KEY NOTES: DESIGN DEVELOPMENT

1. PTAC UNIT
2. DESIGNATED REQ'D CLEAR FLOOR SPACE PER ACCESSIBILITY REQ'S. SEE DETAIL ON SHEET A10.01 IN REFERENCE TO APPROACH CLEARANCES. VERIFY REQ'D CLEAR FLOOR SPACE FOR ALL ACCESSIBLE EQUIPMENT & AREAS AS DEFINED BY ACCESSIBILITY. REFER TO HADG FOR FURTHER INFO
3. IN BATHROOM LOCATIONS ONLY, LIGHT SWITCH EQUIPPED WITH NIGHTLIGHT - MAINTAIN 2" DISTANCE FROM ALL OTHER DEVICES. MOUNTED SO TOP OF SWITCH IS 48" MAX A.F.F.
4. BLACK OUT ROLLER SHADE
5. SHOWER ENCLOSURE W/ TEMPERED GLASS DOOR
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23. ROOM SIGNAGE
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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT ASHISH VISHEN 3536 STATE OF MISSISSIPPI
7/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Room Layouts

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No. A505

Released for

Home2Suites Vicksburg

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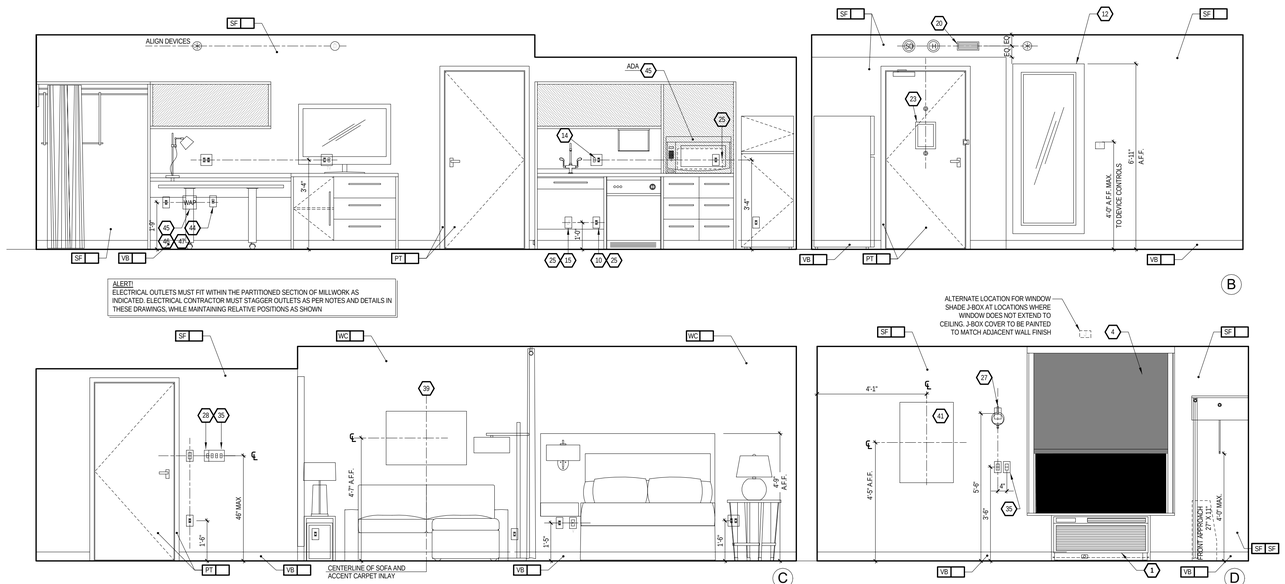
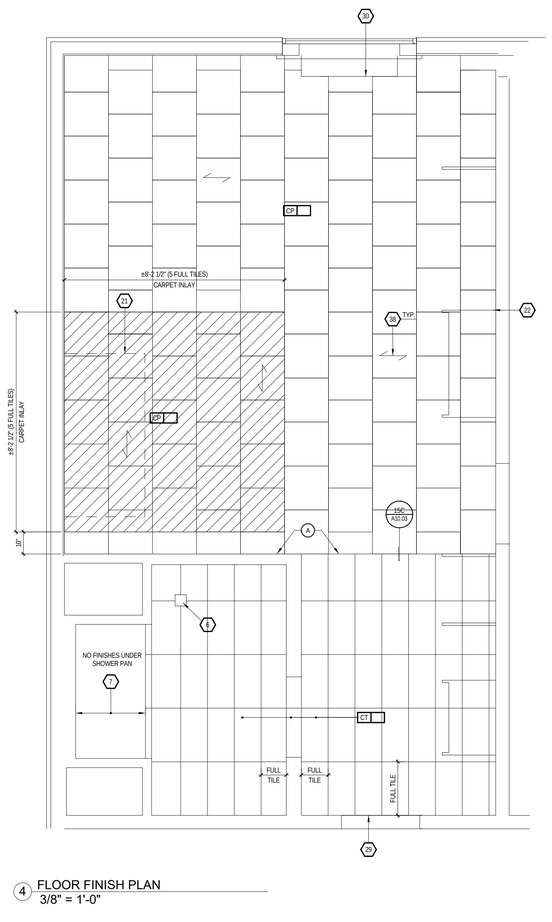
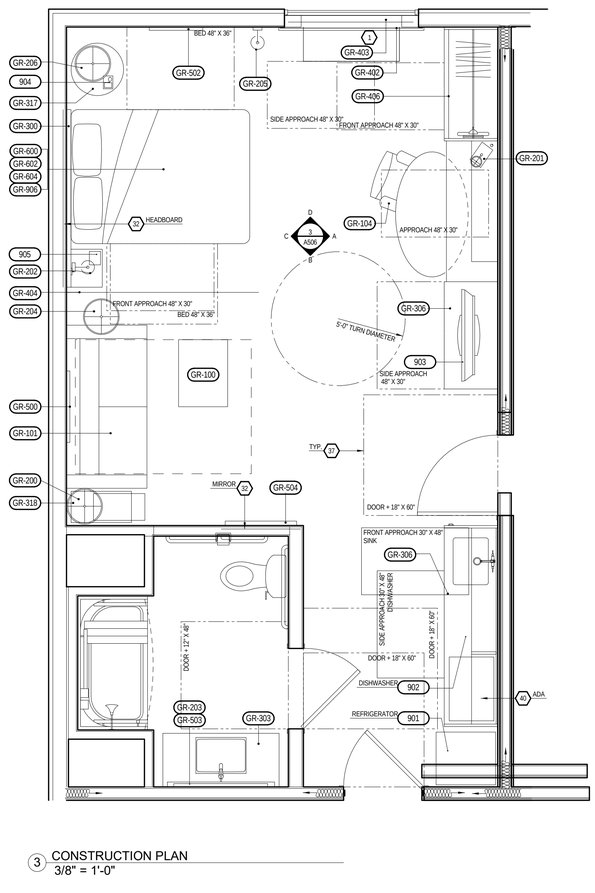


5 INTERIOR ELEVATIONS - QUEEN STUDIO - ACCESSIBLE
3/8" = 1'-0"



4 FLOOR FINISH PLAN
3/8" = 1'-0"



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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Room Layouts

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No. A506

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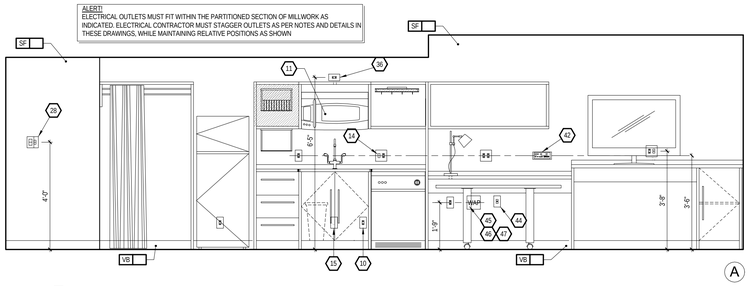
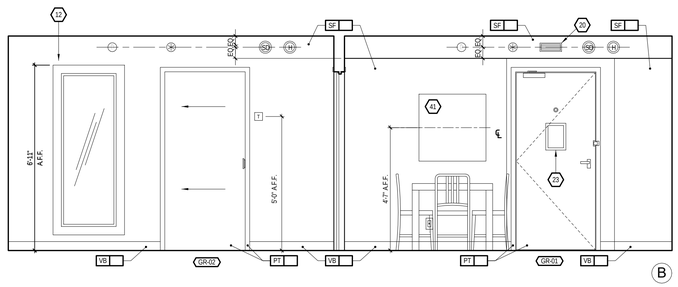
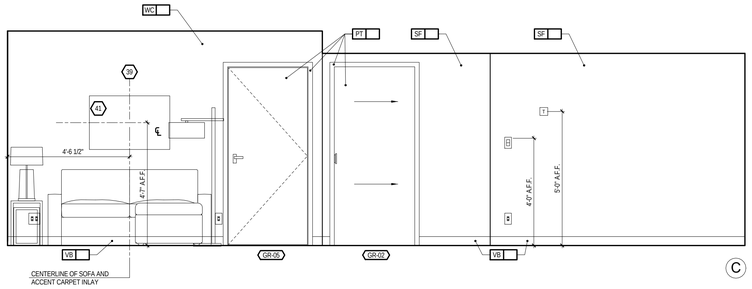
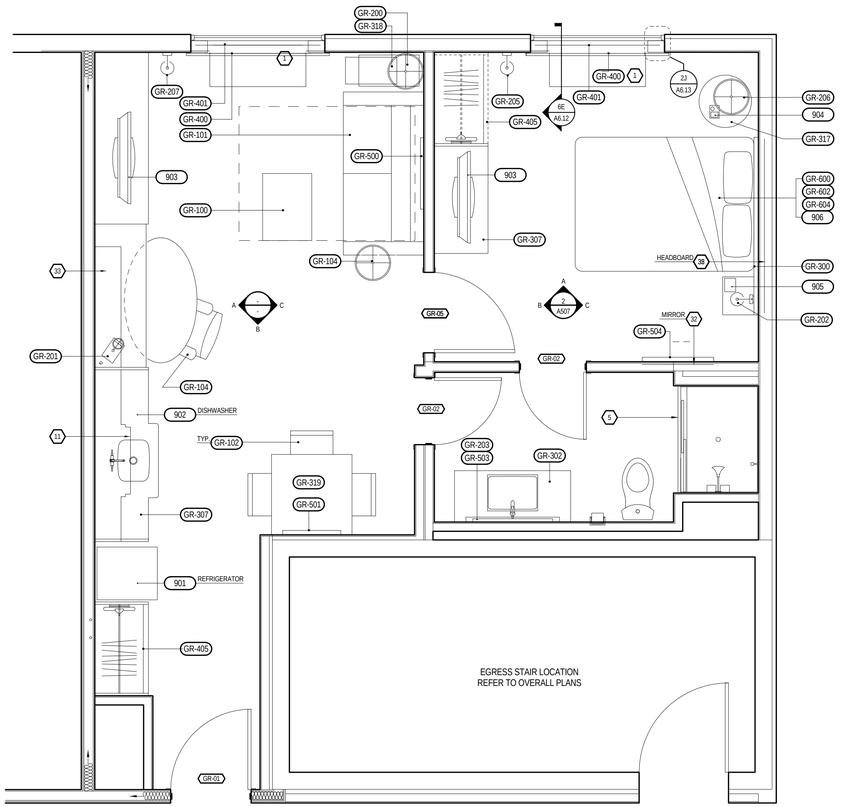
Home2Suites Vicksburg







INTERIOR ELEVATIONS - QUEEN ONE BEDROOM
2 3/8" = 1'-0"



CONSTRUCTION PLAN
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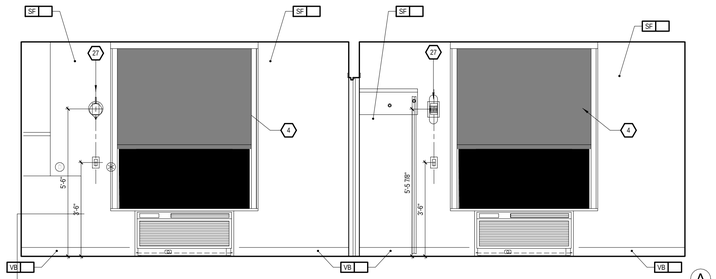
10/4/2019 8:51:07 AM

Home2Suites Vicksburg



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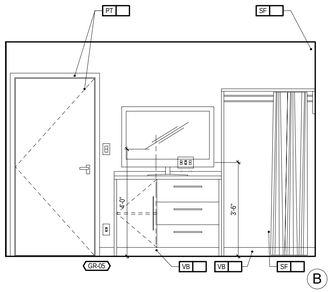

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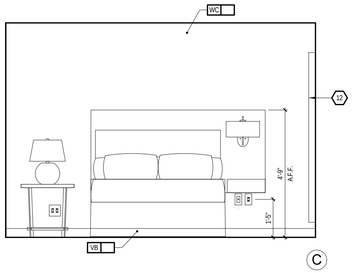

C

2 INTERIOR ELEVATIONS - QUEEN ONE BEDROOM
3/8" = 1'-0"

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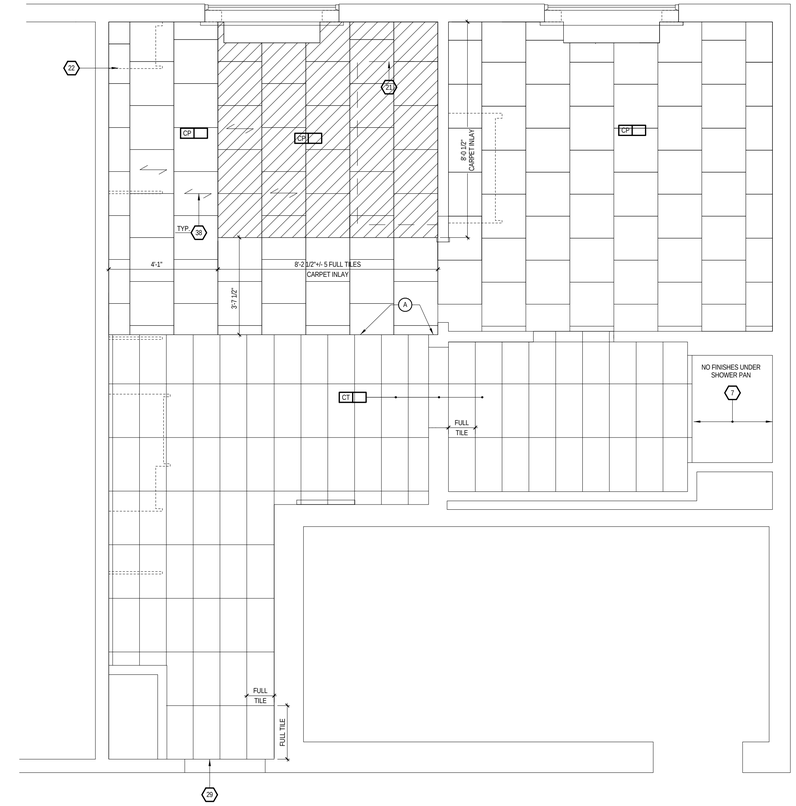

1 FLOOR FINISH PLAN
3/8" = 1'-0"

KEY NOTES: DESIGN DEVELOPMENT

1. PTAC UNIT
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3. IN BATHROOM LOCATIONS ONLY, LIGHT SWITCH EQUIPPED WITH NIGHTLIGHT - MAINTAIN 2" DISTANCE FROM ALL OTHER DEVICES. MOUNTED SO TOP OF SWITCH IS 48" MAX A.F.F.
4. BLACK OUT ROLLER SHADE
5. SHOWER ENCLOSURE W/ TEMPERED GLASS DOOR
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7. PRE-MANUFACTURED SHOWER PAN
8. CEILING MOUNTED DRAPERY ROD--PROVIDE BLOCKING AS REQ'D
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47. COORDIANTE WAP LOCATION WITH CASEGOODS TO AVOID CONFICT

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GR-104	TASK CHAIR
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MISHRA ARCHITECTURE PLLC

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Fax: (601) 591-0177
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Email: bill@weslex.com

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Room Layouts

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A508

Released for

10/4/2019 8:51:11 AM

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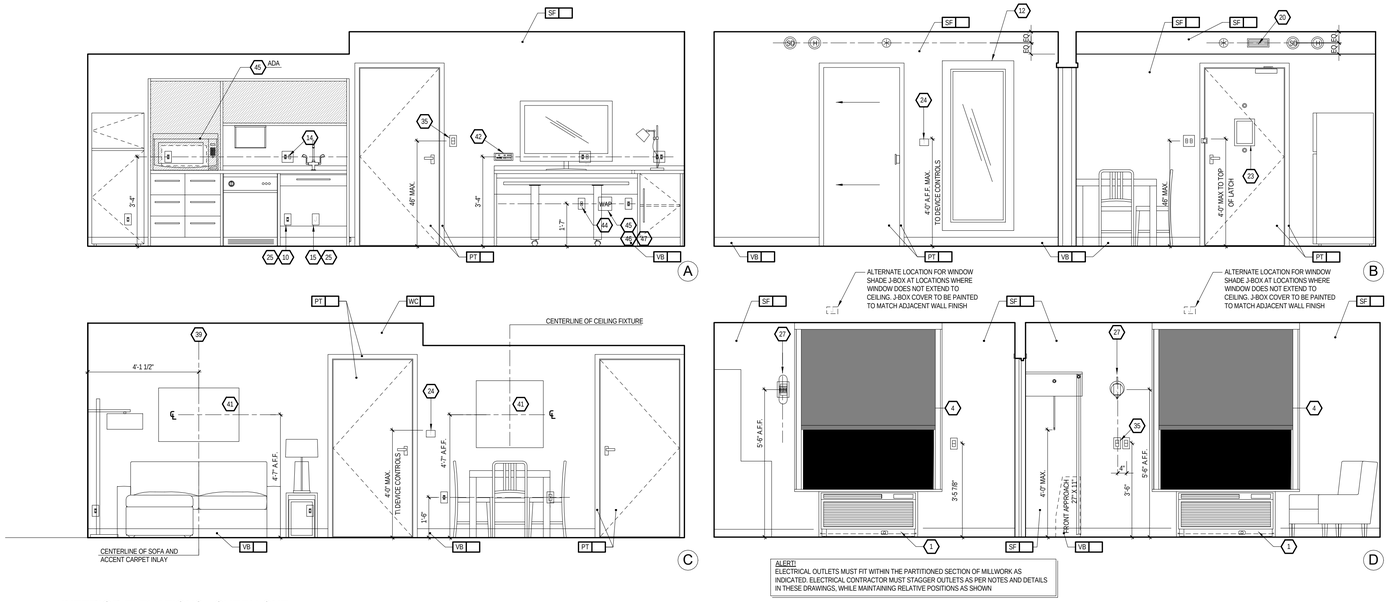

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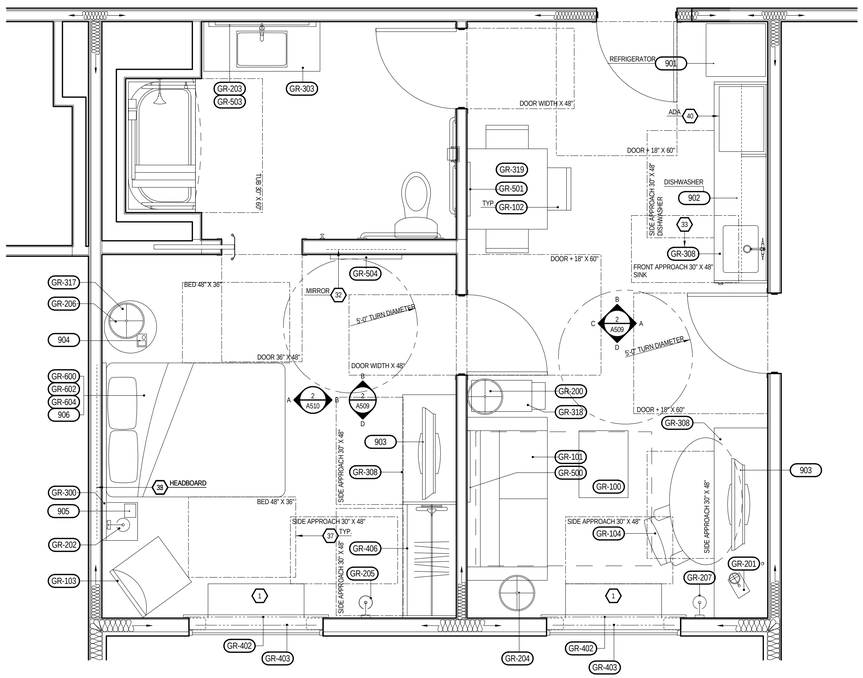
ALERT: ACCESSIBLE GUESTROOM TO RECEIVE ROLL IN SHOWER ON 1ST AND 3RD FLOORS AND BATH TUB ON 2ND AND 4TH FLOORS--REFER TO DETAIL - / -



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KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

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Vicksburg, MS 39180

Drawing Title
Room Layouts

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A509

Released for

Home2Suites Vicksburg

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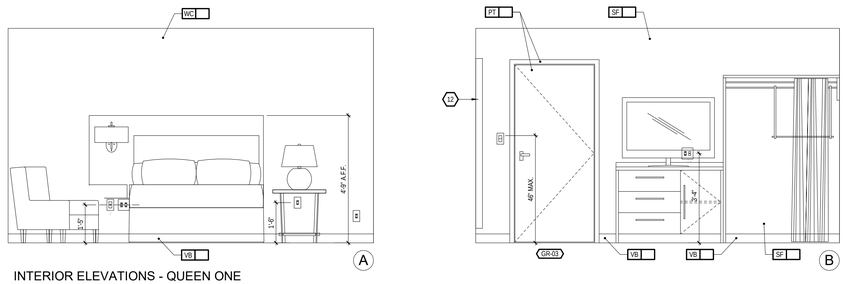

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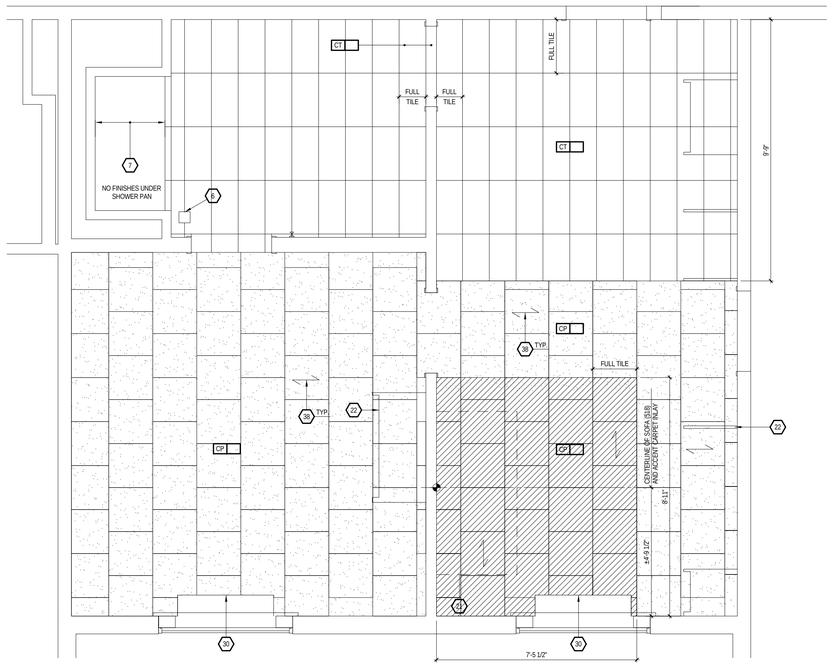

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GR-602	QUEEN BED BASE
GR-603	KING BED BASE
GR-604	QUEEN COVERLET
GR-605	KING COVERLET
901	REFRIGERATOR
902	DISHWASHER
903	TELEVISION
904	CLOCK/RADIO
905	TELEPHONE
906	QUEEN MATTRESS & BOXSPRING
907	KING MATTRESS & BOXSPRING
908	SHOWER CURTAIN ROD
909	SHOWER CURTAIN

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Room Layouts

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No. A510

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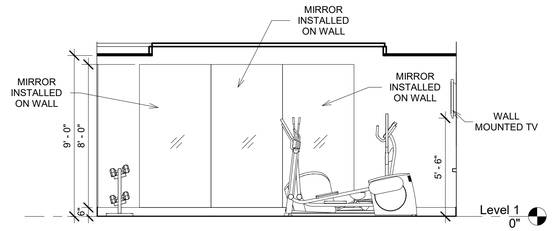
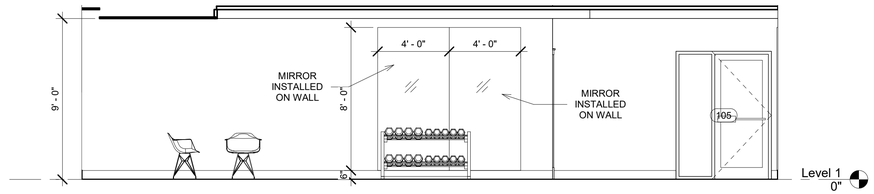
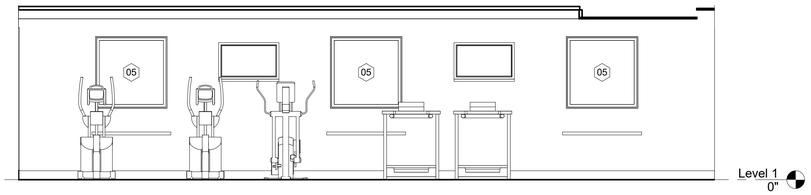
Home2Suites Vicksburg



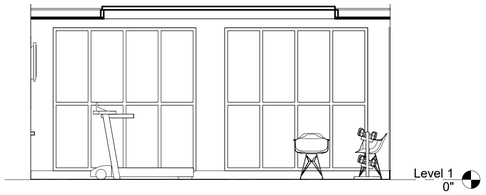
2 Fitness East
1/4" = 1'-0"



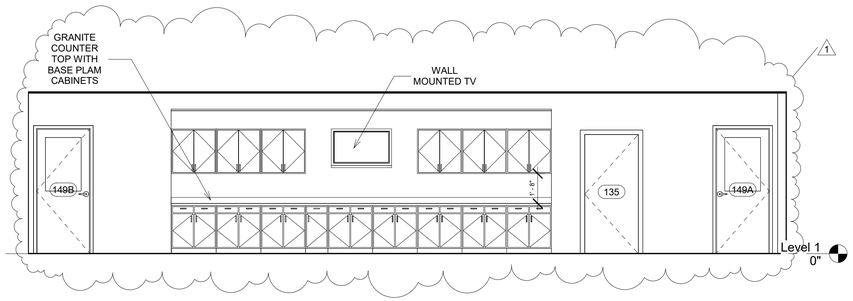
3 Fitness North
1/4" = 1'-0"



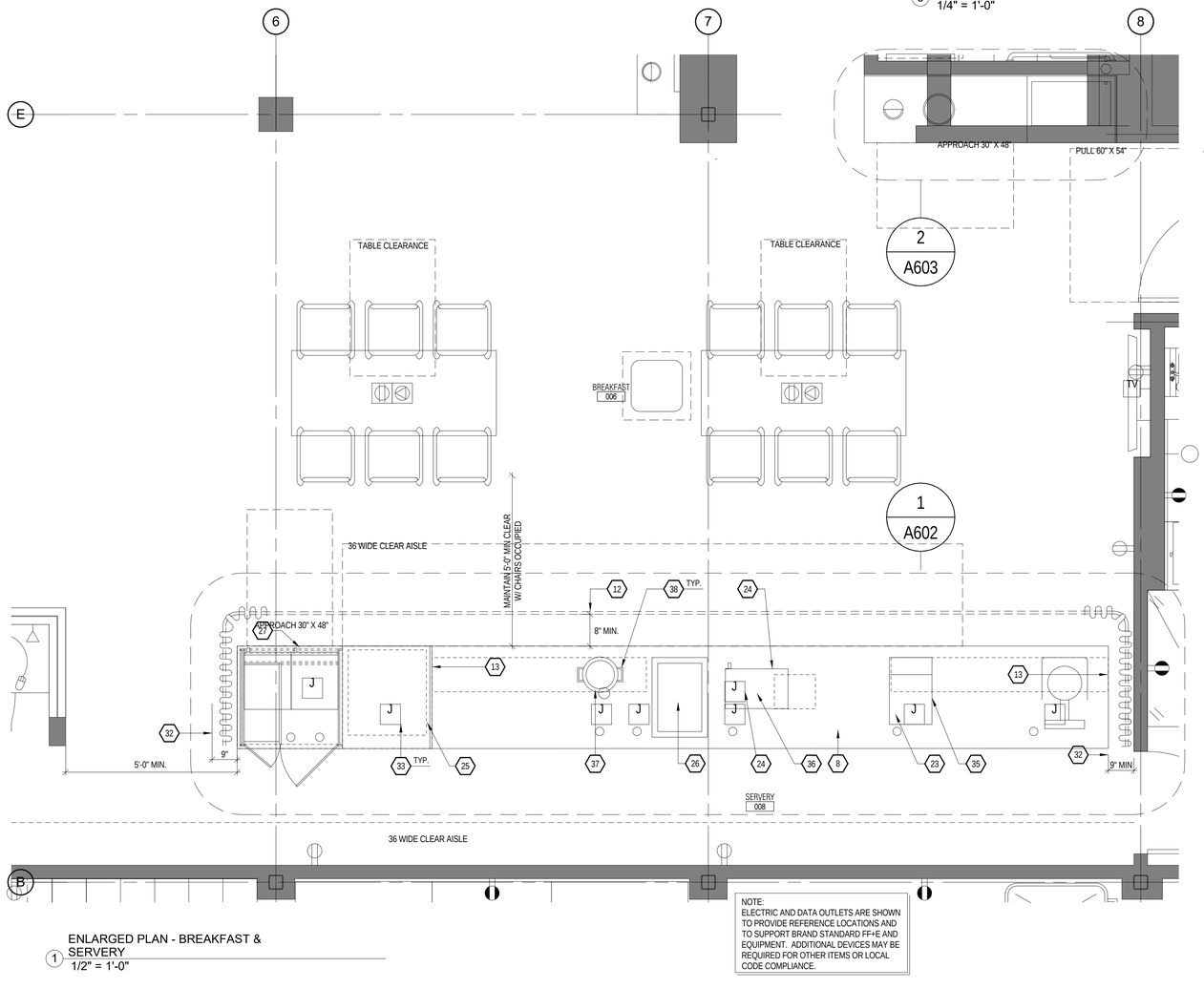
4 Fitness South
1/4" = 1'-0"



5 Fitness West
1/4" = 1'-0"



6 Int. Elev. Meeting S
1/4" = 1'-0"



1 ENLARGED PLAN - BREAKFAST & SERVERY
1/2" = 1'-0"

NOTE:
ELECTRIC AND DATA OUTLETS ARE SHOWN TO PROVIDE REFERENCE LOCATIONS AND TO SUPPORT BRAND STANDARD FF+E AND EQUIPMENT. ADDITIONAL DEVICES MAY BE REQUIRED FOR OTHER ITEMS OR LOCAL CODE COMPLIANCE.

KEY NOTES:

1. WALL MOUNTED GRAB BARS
2. ACCESSIBLE LOW-FLOW TOILET
3. TOWEL DISPENSER / TRASH CAN
4. TOILET PAPER HOLDER
5. FLOOR DRAIN WITH TRAP PRIMER IN DISH RECESS
6. VANITY AND MIRROR (VANITY MUST NOT ENCROACH INTO CLEAR FLOOR SPACE FOR ACCESSIBLE TOILET)
7. PHONE RACK
8. BREAKFAST COUNTER; REACH RANGES FOR OPERABLE PARTS TO MEET ACCESSIBILITY REQUIREMENTS. SEE HADG FOR FURTHER INFORMATION.
9. PTAC
10. FLOOR DRAIN WITH TRAP PRIMER -- MAINTAIN ACCESSIBLE SLOPE TO DRAIN
11. CHANGING TABLE
12. 8" MINIMUM FROM EDGE OF WORK SURFACE TO CENTERLINE OF RAIL
13. UPPER CABINETS -- PROVIDE BLOCKING AS REQUIRED AT SOFFIT
14. NOT USED
15. NOT USED
16. NOT USED
17. FIRE EXTINGUISHER
18. LEVER INDICATED ON THE SIDE OF TANK NEAREST THE MANEUVERABILITY CLEARANCE INDICATION. TYPICAL
19. MATV RACK
20. OnQ RACK
21. 4' x 8' PLYWOOD SHEET
22. COFFEE MAKER
23. TOASTER OVEN
24. MICROWAVE - COORDINATE W/ ELECTRICAL & CASEWORK
25. REFRIGERATOR - COORDINATE W/ ELECTRICAL & CASEWORK
26. DROP IN COLD WELL - COORDINATE W/ ELECTRICAL & CASEWORK
27. JUICE DISPENSER - COORDINATE W/ ELECTRICAL & CASEWORK
28. NOT USED
29. PROVIDE FLOOR DRAIN FOR REFRIGERATION WALL
30. UTILIZE ELEVATION INDICATED FOR FINISH REFERENCE ONLY
31. NOT USED
32. MAINTAIN MIN. 9" CLEAR FOR DRAPERIES - BOTH SIDES
33. ELECTRICAL INTEGRATED INTO CASEWORK -REFER TO CASEWORK DRAWINGS
34. JUNCTION BOX AND SWITCH FOR GARBAGE DISPOSAL
35. DEDICATED DUPLEX OUTLET FOR TOASTER OVEN
36. DEDICATED DUPLEX OUTLET FOR (2) MICROWAVES
37. KETTLE RETHERMALIZER
38. ALL SELF SERVICE DISPENSERS AND OTHER AMENITIES MUST BE LOCATED WITHIN 48" AFF REACH HEIGHT. IF ITEMS ARE DEEPER THAN 10" FROM THE FRONT OF THE BASE CABINET, PROVIDE DISPENSERS AT 46" MAX AFF.

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI 10/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Interior Elevations and Details

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A601

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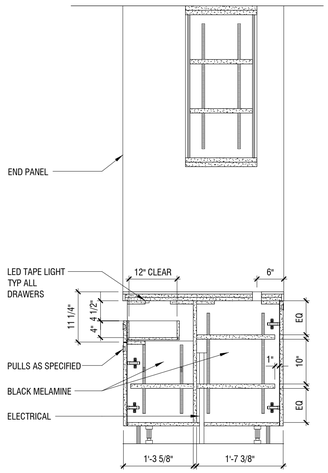
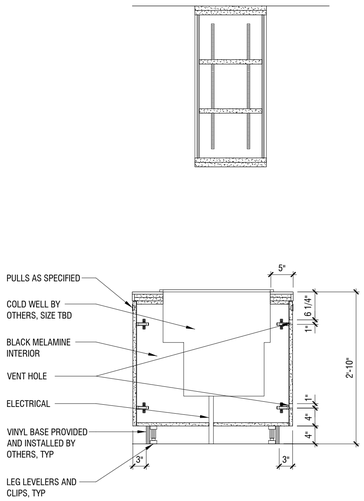
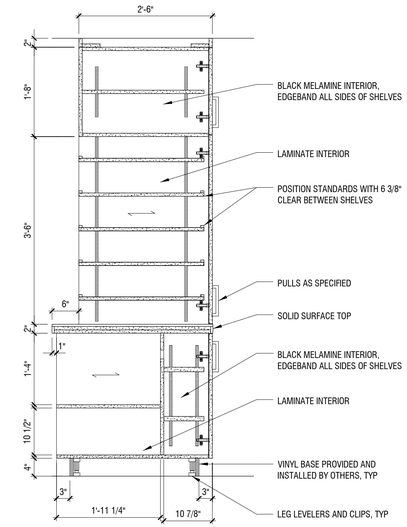
Home2Suites Vicksburg



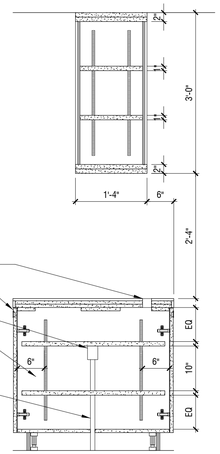
5 SECTION
3/4" = 1'-0"



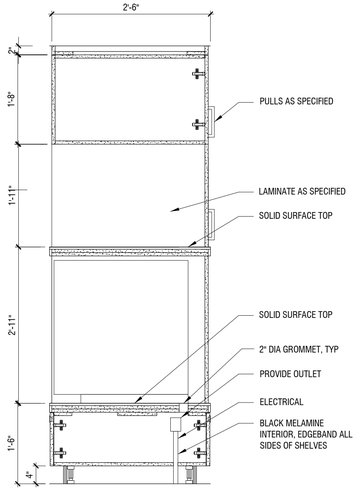
6 SECTION
3/4" = 1'-0"



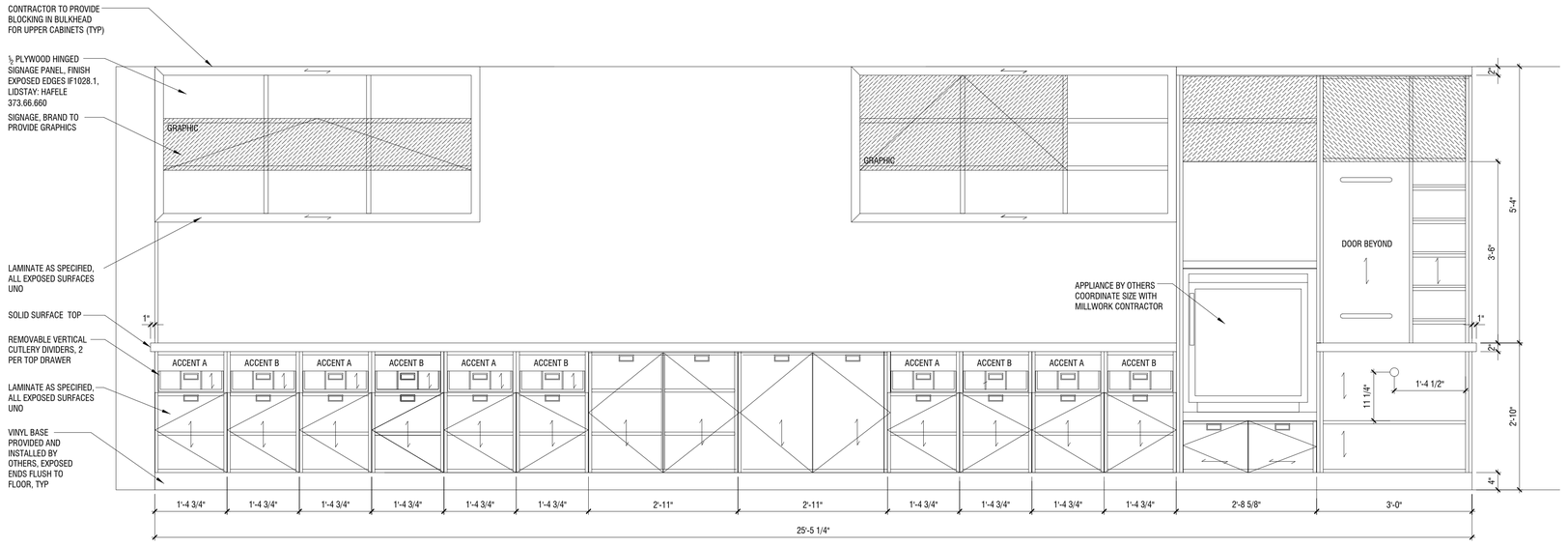
7 SECTION
3/4" = 1'-0"



4 SECTION
3/4" = 1'-0"



3 SECTION
3/4" = 1'-0"



2 ELEVATION (GUEST SIDE)
3/4" = 1'-0"

1 PLAN - BREAKFAST SERVING COUNTER
3/4" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI
7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Interior Elevations and Details

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Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A602

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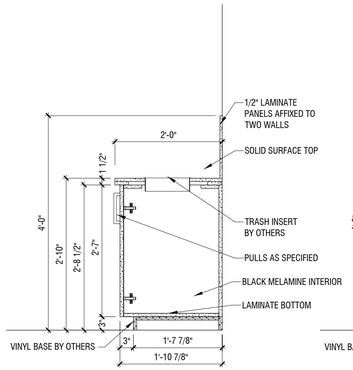
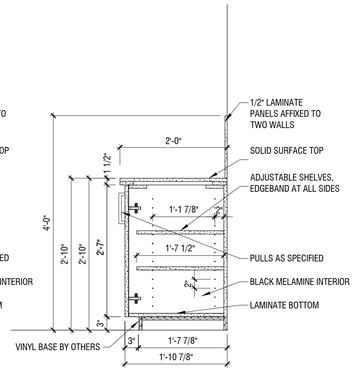


5 SECTION - BUSSING STATION
3/4" = 1'-0"



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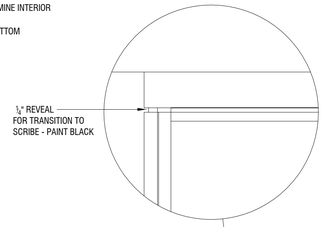
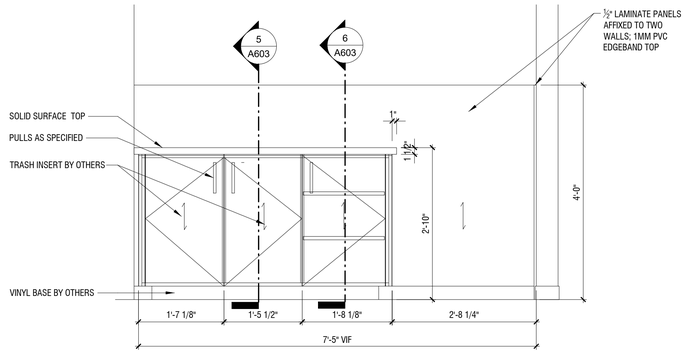
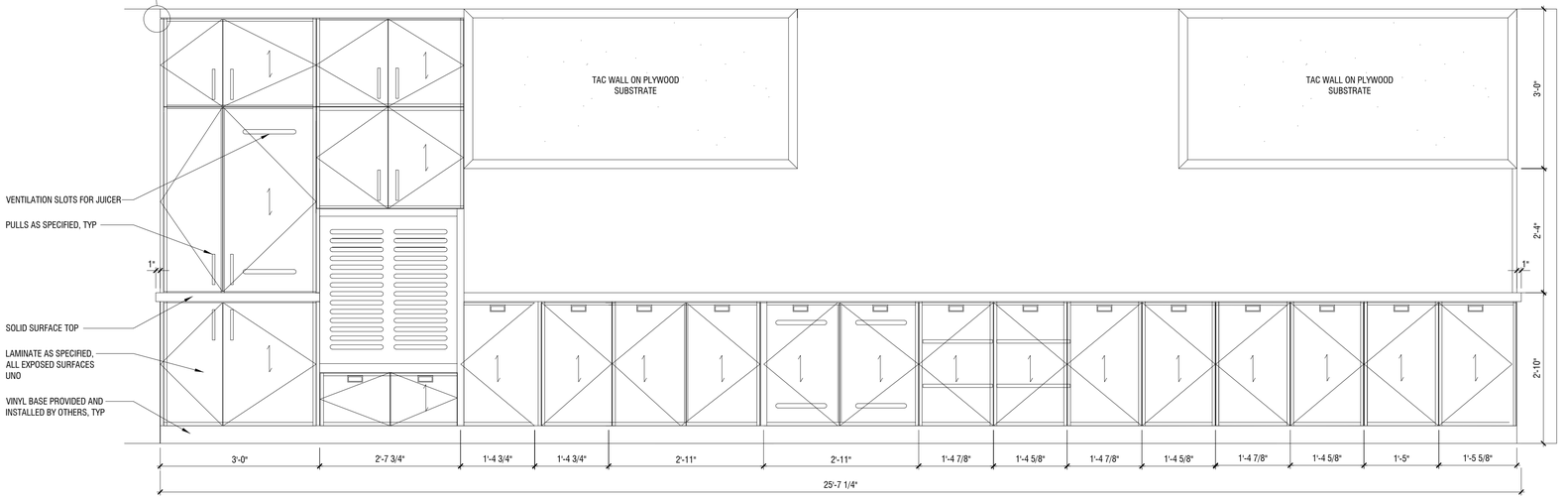
3/4" = 1'-0"

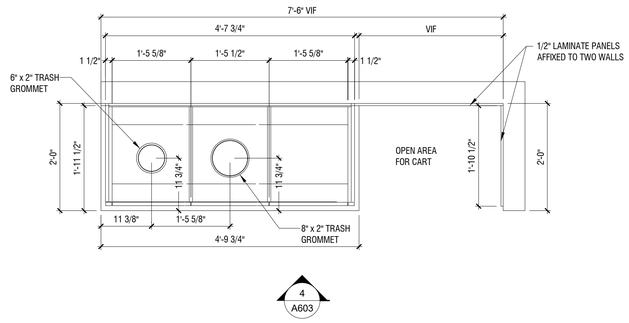




4 ELEVATION - BUSSING STATION
3/4" = 1'-0"

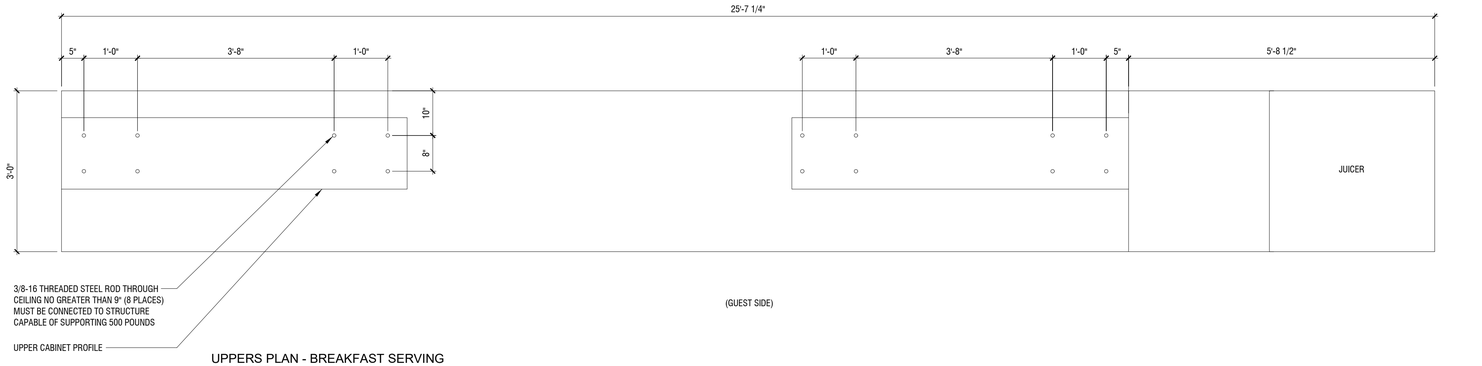


3 A4.71_7E-ELEVATION (SERVICE SIDE)
3/4" = 1'-0"



2 PLAN - BUSSING STATION
3/4" = 1'-0"

(SERVICE SIDE)



(GUEST SIDE)

1 UPPERS PLAN - BREAKFAST SERVING COUNTER
3/4" = 1'-0"

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REVISIONS		
No.	Date	Description

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Interior Elevations and Details

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Project No.	17-051
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Sheet No.
A603

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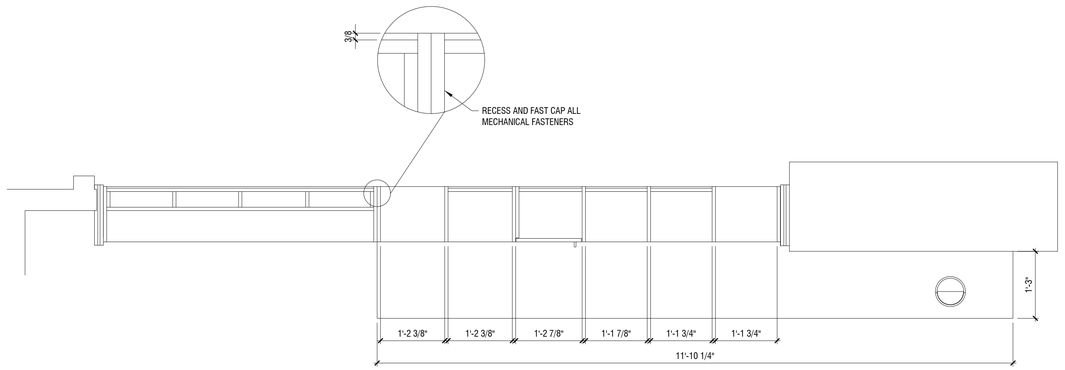
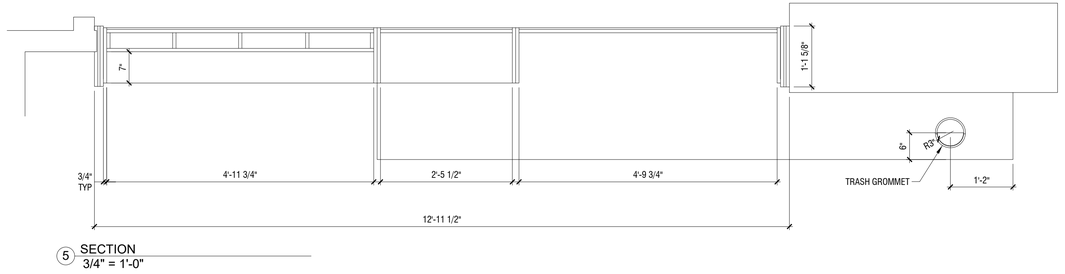
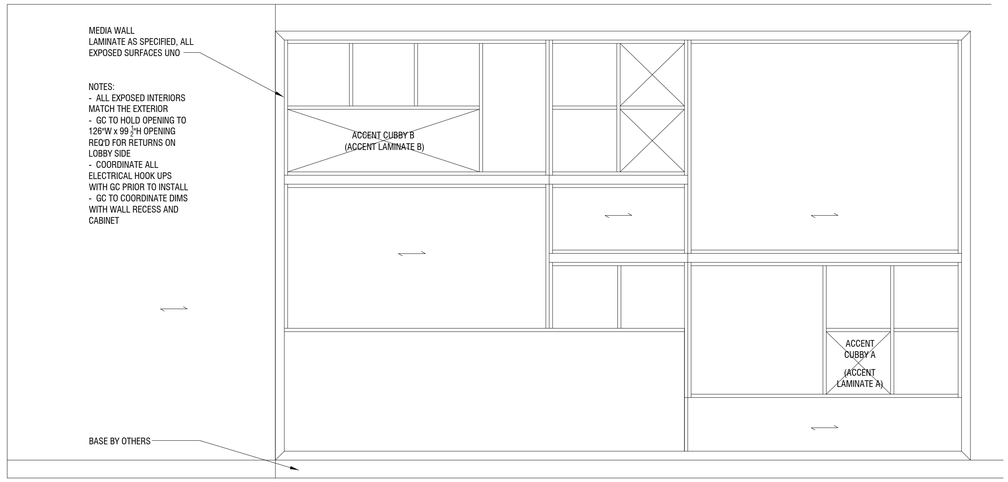


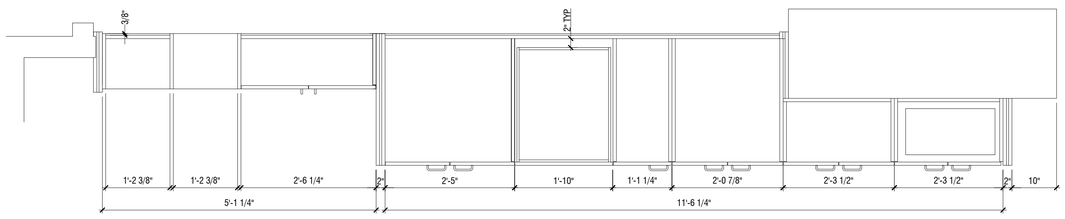
6 SECTION
3/4" = 1'-0"



5 SECTION
3/4" = 1'-0"

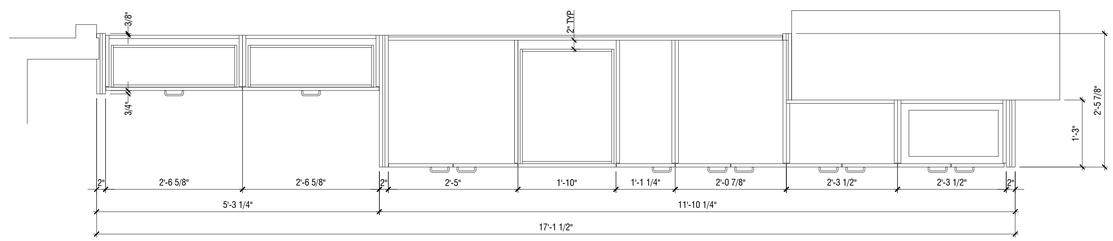


3 REAR ELEVATION
3/4" = 1'-0"



4 SECTION
3/4" = 1'-0"

3
A604



1
A604

2 SECTION
3/4" = 1'-0"

SPECIFICATIONS:

REFER TO FF&E SPECIFICATIONS IF-302 FOR BALANCE OF INFORMATION

RECESSED DOCK OR MEDIA BOX

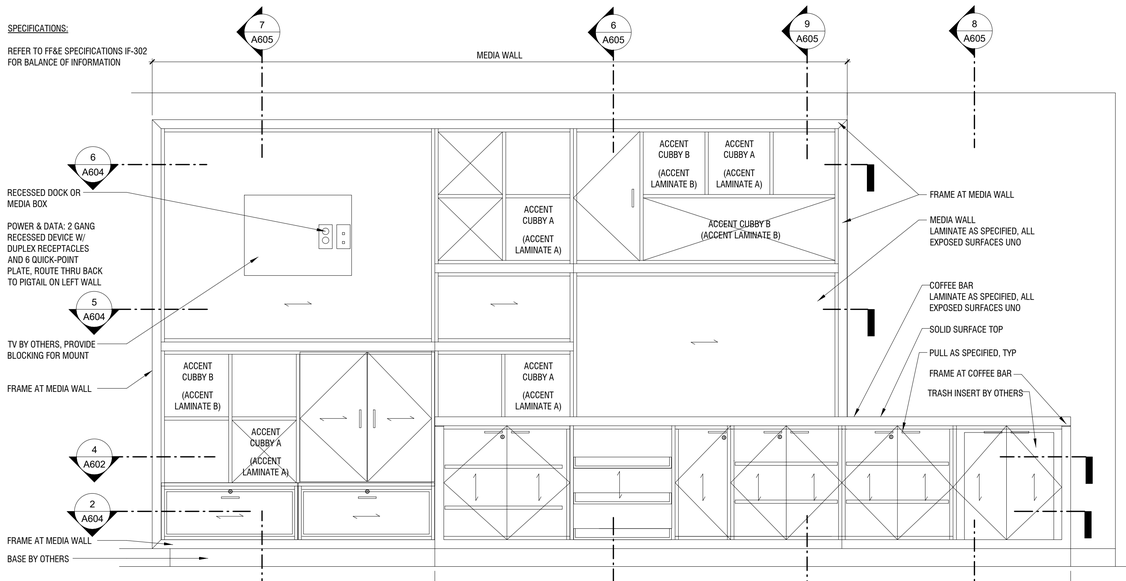
POWER & DATA: 2 GANG RECESSED DEVICE W/ DUPLEX RECEPTACLES AND 6 QUICK-POINT PLATE, ROUTE THRU BACK TO PIGTAIL ON LEFT WALL

TV BY OTHERS, PROVIDE BLOCKING FOR MOUNT

FRAME AT MEDIA WALL

FRAME AT MEDIA WALL

BASE BY OTHERS



FRONT ELEVATION - MEDIA WALL AND COFFEE BAR
1 3/4" = 1'-0"

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REGISTERED ARCHITECT
ASHISH MISHRA
3536
7/31/18
STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

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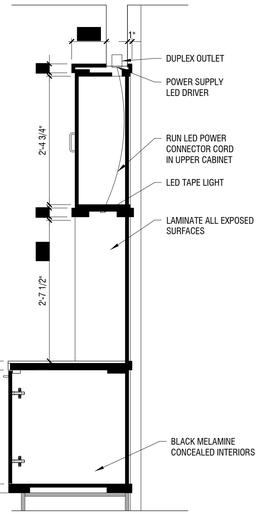
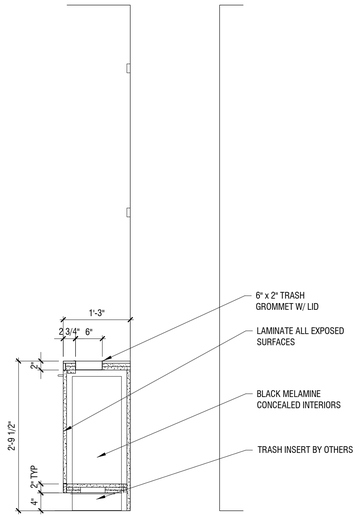
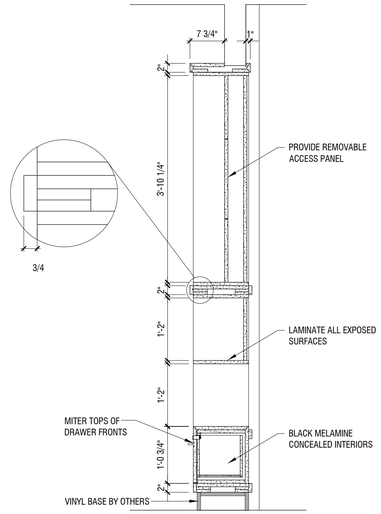


9 SECTION
3/4" = 1'-0"



8 SECTION - MEDIA-COFFEE
3/4" = 1'-0"



7 SECTION
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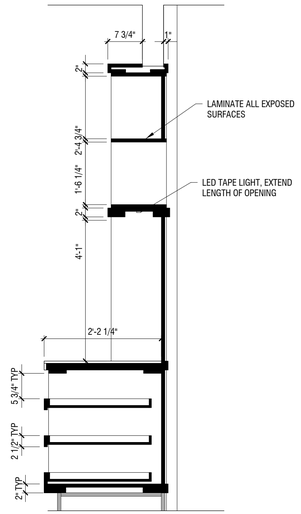
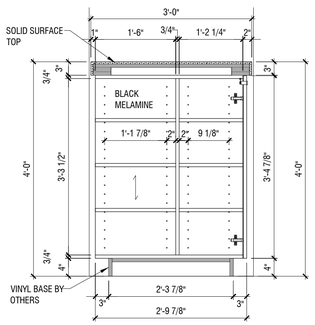


6 SECTION
3/4" = 1'-0"



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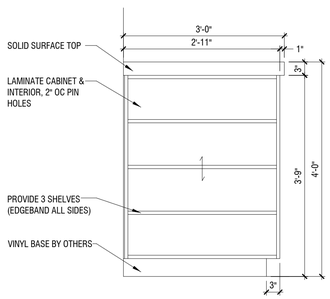
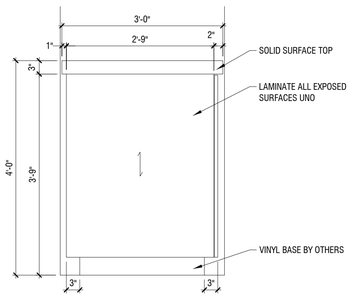


4 ELEVATION
3/4" = 1'-0"



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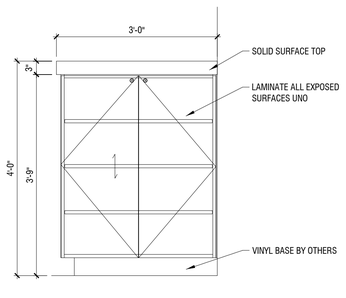
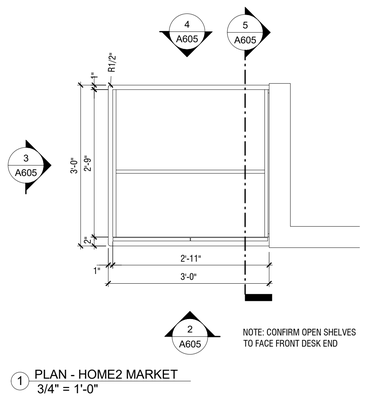


2 ELEVATION
3/4" = 1'-0"



1 PLAN - HOME2 MARKET
3/4" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH VISHRAY
3536
STATE OF MISSISSIPPI
7/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Interior Elevations and Details

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A605

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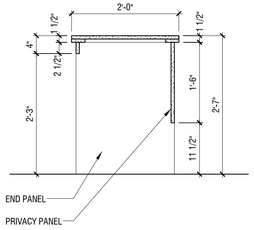
4/8/2019 3:37:38 PM

Home2Suites Vicksburg



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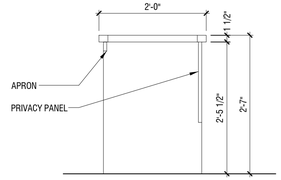
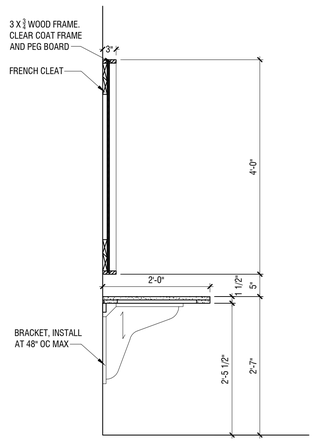
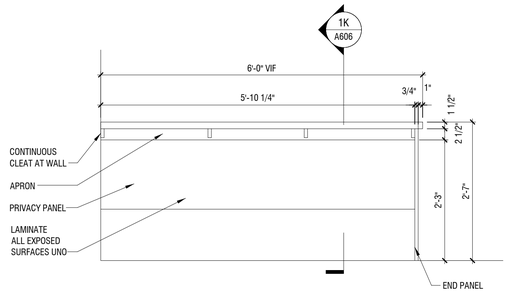
3/4" = 1'-0"



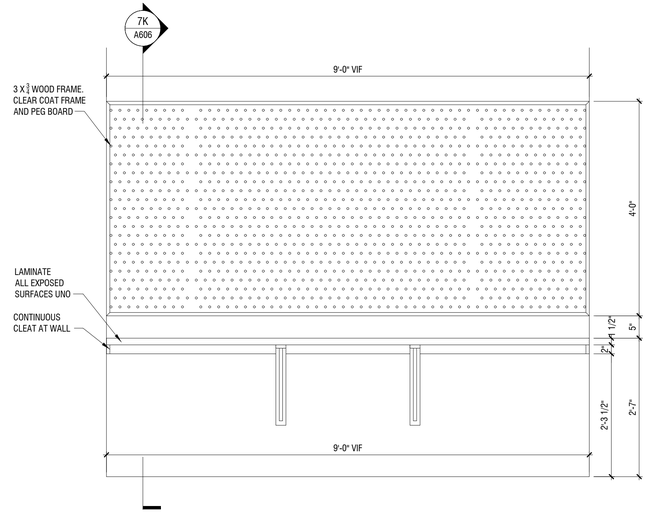
4K ELEVATION
3/4" = 1'-0"



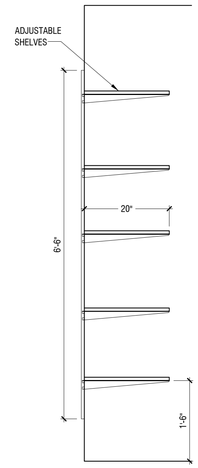
7K SECTION
3/4" = 1'-0"



1E ELEVATION
3/4" = 1'-0"



7E ELEVATION
3/4" = 1'-0"



SPECIFICATIONS:

SHELVES: 3/4" WHITE MELAMINE

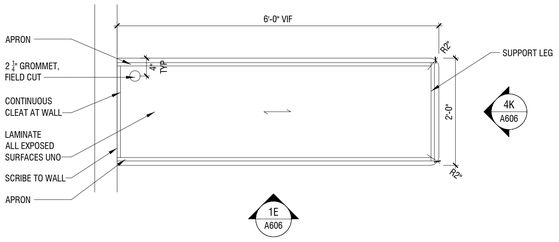
HARDWARE
MFR: KV
STANDARDS: 82 STANDARDS
BRACKETS: 182 BRACKETS - WHITE

13E SECTION
3/4" = 1'-0"

SPECIFICATIONS:

PLASTIC LAMINATE PL-16
MFR: WILSONART
COLOR: BLOND ECHO #7939-38

GROMMETS
MFR: DOUG MOCKETT
STYLE: MG3-94
NOTE: 2 1/2" HOLE WITH SILVER METAL LINER



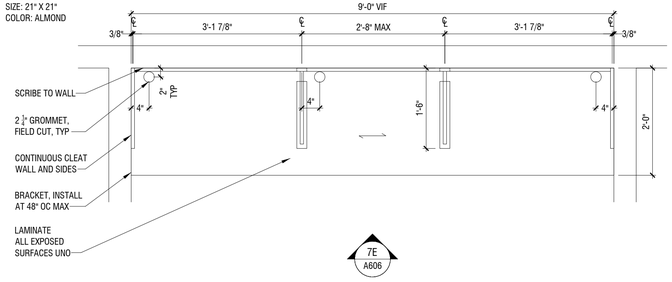
1A PLAN - SALES OFFICE
3/4" = 1'-0"

SPECIFICATIONS:

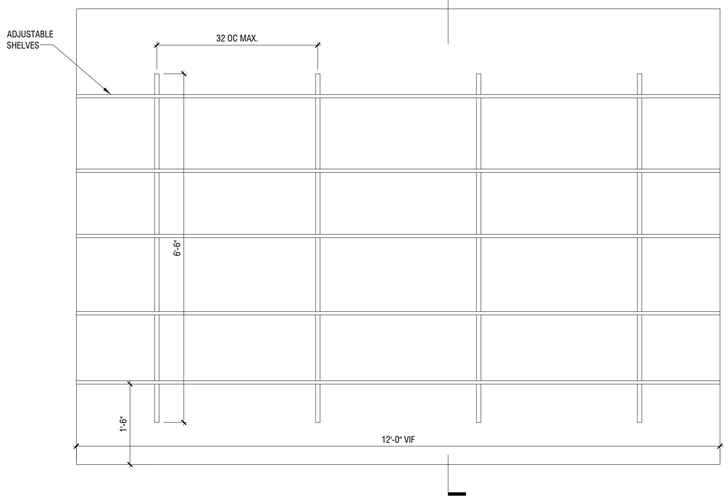
PLASTIC LAMINATE PL-16
MFR: WILSONART
COLOR: BLOND ECHO #7939-38

GROMMETS
MFR: DOUG MOCKETT
STYLE: MG3-94
NOTE: 2 1/2" HOLE WITH SILVER METAL LINER

BRACKET
MFR: A & M
SIZE: 21" X 21"
COLOR: ALMOND



7A PLAN - ENGINEER'S OFFICE
3/4" = 1'-0"



13A ELEVATION - HOUSE LAUNDRY
3/4" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Casework-House Laundry, Engineer's Office & Sales Office

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A606

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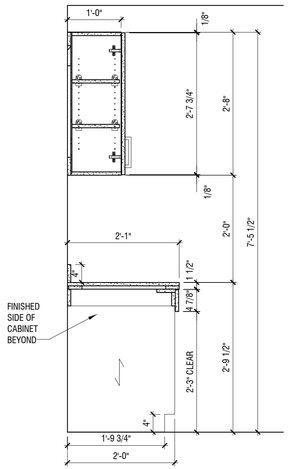
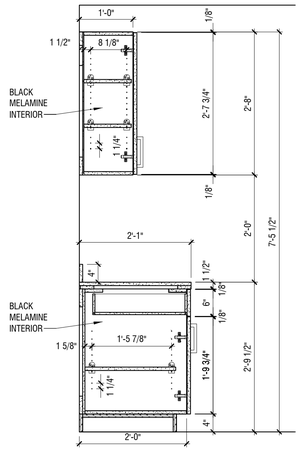
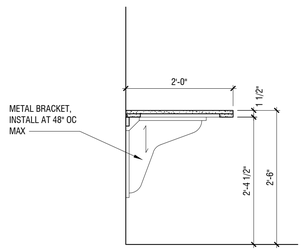
Home2Suites Vicksburg



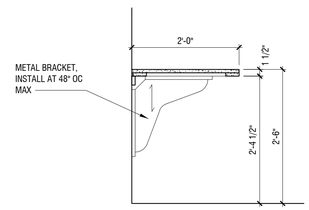
1K SECTION
3/4" = 1'-0"



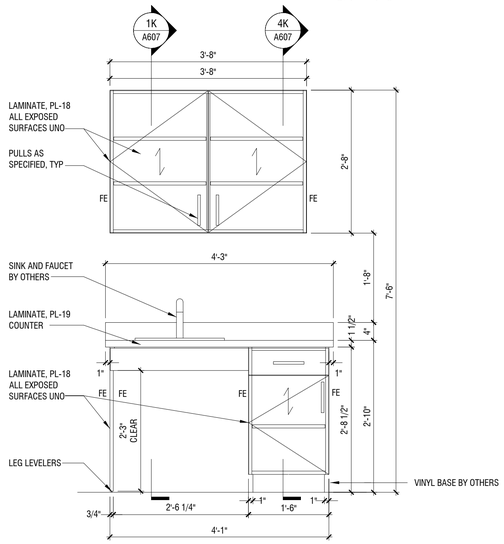
4K SECTION
3/4" = 1'-0"



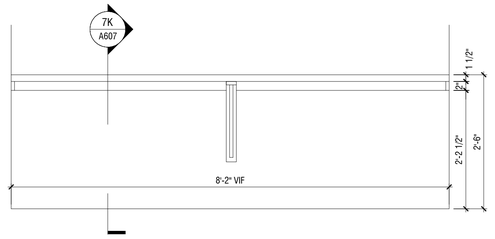
7K SECTION
3/4" = 1'-0"



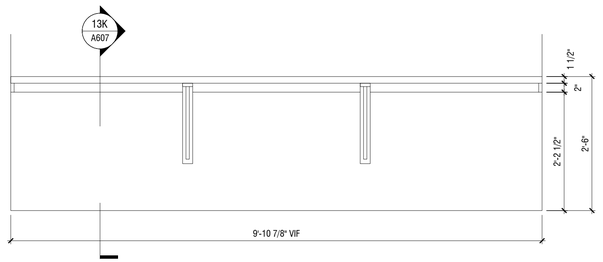
13K SECTION
3/4" = 1'-0"



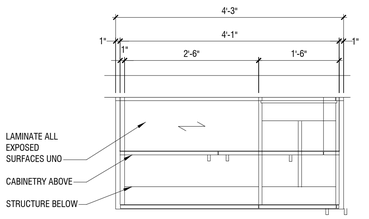
1E ELEVATION
3/4" = 1'-0"



7E ELEVATION
3/4" = 1'-0"



13E ELEVATION
3/4" = 1'-0"



SPECIFICATIONS:

PLASTIC LAMINATE PL-16
MFR: WILSONART
COLOR: BLOND ECHO #7939-38

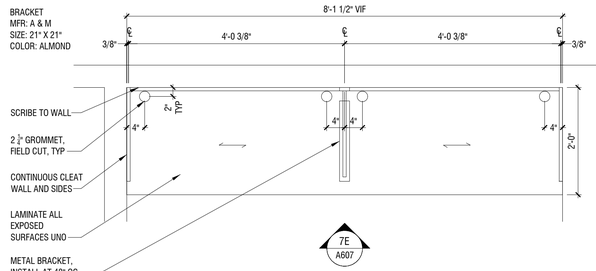
PLASTIC LAMINATE PL-17
MFR: WILSONART
COLOR: EVENING TIGRIS #4674-60

HINGES
MFR: BLUM
STYLE:BP7175590/BP173H9100

SHELF PINS
MFR: PROGRESSIVE
STYLE: IF739NP

PULLS
MFR: BERENSON
STYLE: 6131-2SC-P

1A PLAN - EMPLOYEE BREAK ROOM
3/4" = 1'-0"



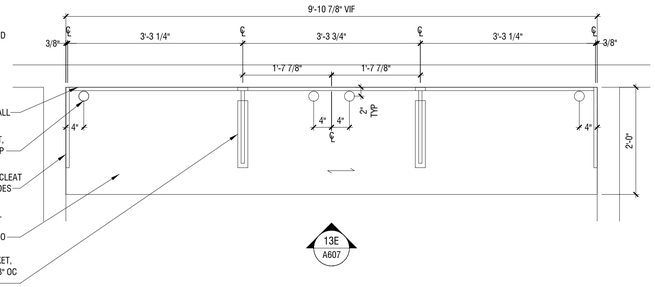
SPECIFICATIONS:

PLASTIC LAMINATE PL-16
MFR: WILSONART
COLOR: BLOND ECHO #7939-38

GROMMETS
MFR: DOUG MOCKETT
STYLE: MG3-94
NOTE: 2 1/4" HOLE WITH SILVER METAL LINER

BRACKET
MFR: A & M
SIZE: 21" X 21"
COLOR: ALMOND

7A PLAN - MANAGER'S WORK SURFACE
3/4" = 1'-0"



SPECIFICATIONS:

PLASTIC LAMINATE PL-16
MFR: WILSONART
COLOR: BLOND ECHO #7939-38

GROMMETS
MFR: DOUG MOCKETT
STYLE: MG3-94
NOTE: 2 1/4" HOLE WITH SILVER METAL LINER

BRACKET
MFR: A & M
SIZE: 21" X 21"
COLOR: ALMOND

13A PLAN - WORK STATION.
3/4" = 1'-0"

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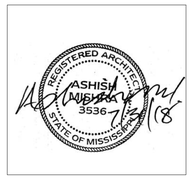
REVISIONS		
No.	Date	Description



KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Casework-Workstation, Manager's Work Surface & Employee Breakroom

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A607

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Home2Suites Vicksburg

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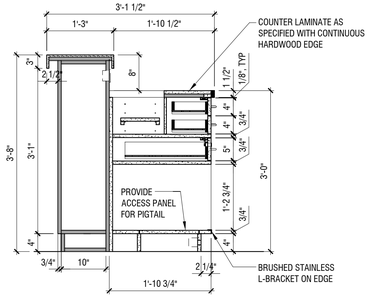
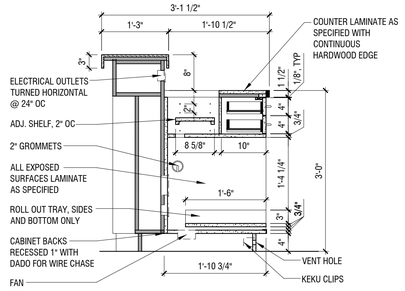
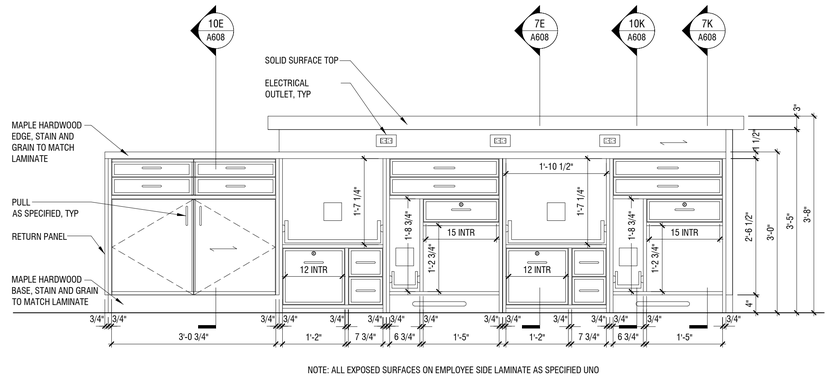


7K SECTION
3/4" = 1'-0"



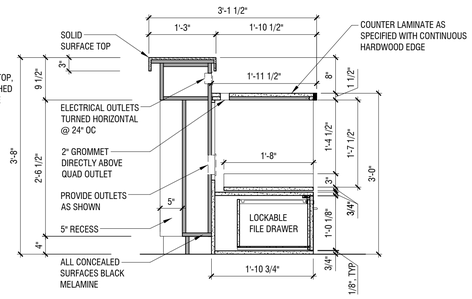
10K SECTION
3/4" = 1'-0"



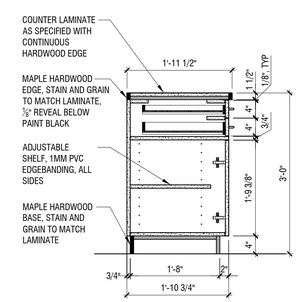
NOTE: ALL EXPOSED SURFACES ON EMPLOYEE SIDE LAMINATE AS SPECIFIED UNO

13K ELEVATION
3/4" = 1'-0"

1E PLAN - UPPER COUNTER
3/4" = 1'-0"



7E SECTION
3/4" = 1'-0"



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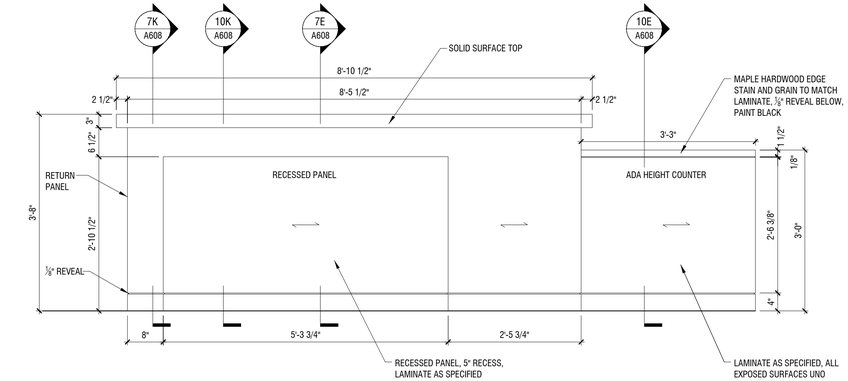
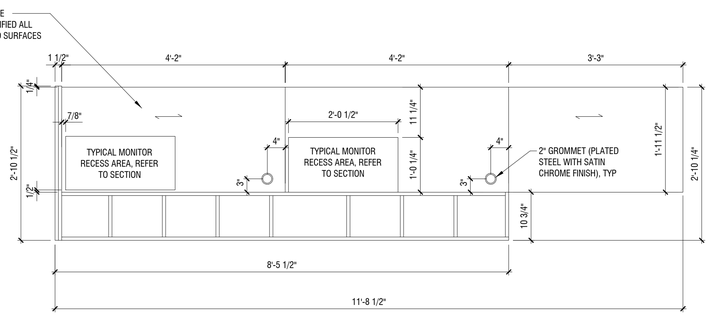
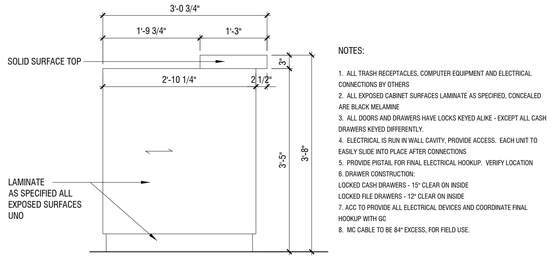
3/4" = 1'-0"



13E ELEVATION
3/4" = 1'-0"



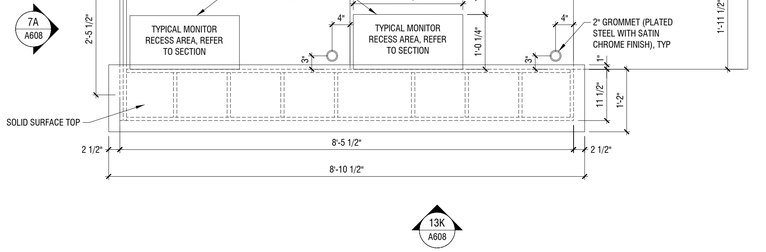
1A PLAN - LOWER COUNTER
3/4" = 1'-0"



NOTES:

1. ALL TRASH RECEPTACLES, COMPUTER EQUIPMENT AND ELECTRICAL CONNECTIONS BY OTHERS
2. ALL EXPOSED CABINET SURFACES LAMINATE AS SPECIFIED, CONCEALED ARE BLACK MELAMINE
3. ALL DOORS AND DRAWERS HAVE LOCKS KEYED ALIKE - EXCEPT ALL CASH DRAWERS KEYED DIFFERENTLY.
4. ELECTRICAL IS RUN IN WALL CAVITY, PROVIDE ACCESS. EACH UNIT TO EASILY SLIDE INTO PLACE AFTER CONNECTIONS
5. PROVIDE PIGTAIL FOR FINAL ELECTRICAL HOOKUP. VERIFY LOCATION
6. DRAWER CONSTRUCTION:
LOCKED CASH DRAWERS - 15" CLEAR ON INSIDE
LOCKED FILE DRAWERS - 12" CLEAR ON INSIDE
7. ACC TO PROVIDE ALL ELECTRICAL DEVICES AND COORDINATE FINAL HOOKUP WITH GC
8. MC CABLE TO BE 84" EXCESS, FOR FIELD USE.

7A ELEVATION
3/4" = 1'-0"



13A A4.74_13A-PLAN - FRONT DESK
3/4" = 1'-0"

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Fax: (601) 591-0177
Email:mikebes@bellsouth.net

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REVISIONS		
No.	Date	Description

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Casework-Front Desk

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A608

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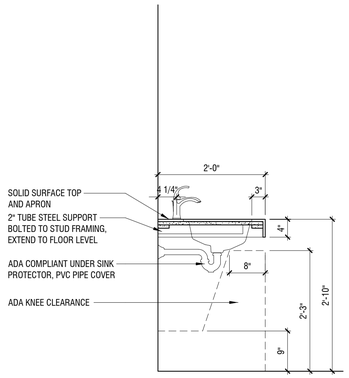
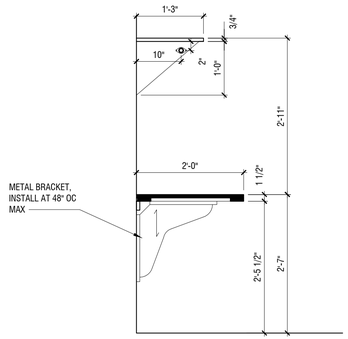
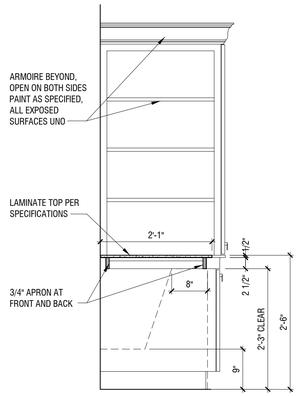
Home2Suites Vicksburg



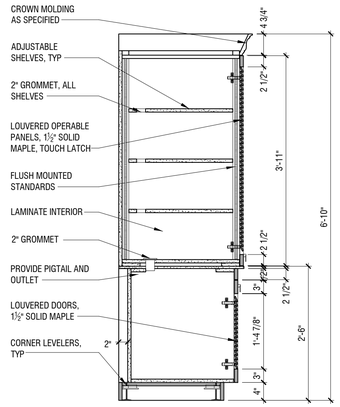
1K SECTION
3/4" = 1'-0"



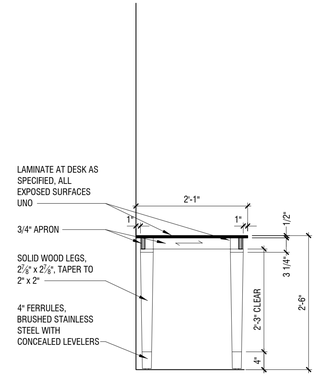
5K SECTION
3/4" = 1'-0"



10K SECTION
3/4" = 1'-0"



13K SECTION
3/4" = 1'-0"



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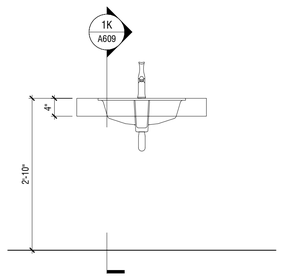
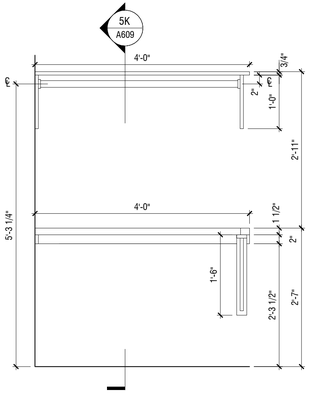
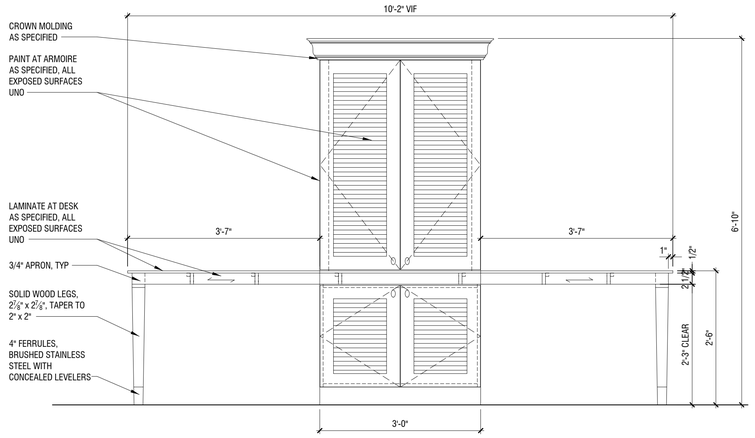


1E ELEVATION
3/4" = 1'-0"



5E ELEVATION
3/4" = 1'-0"

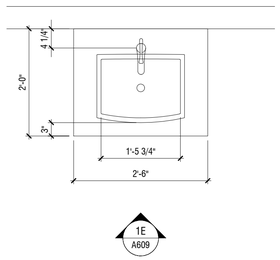


10E ELEVATION
3/4" = 1'-0"

SPECIFICATIONS:

SOLID SURFACE ST-01

MRF: DUPONT
PRODUCT: ZODIAQ QUARTZ
COLOR: SNOW FLURRY



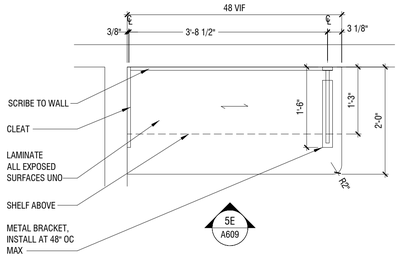
1A PLAN - VANITY
3/4" = 1'-0"

SPECIFICATIONS:

PLASTIC LAMINATE PL-18
MRF: WILSONART
COLOR: BLOND ECHO #793938

END PANEL
FINISH: CHROME

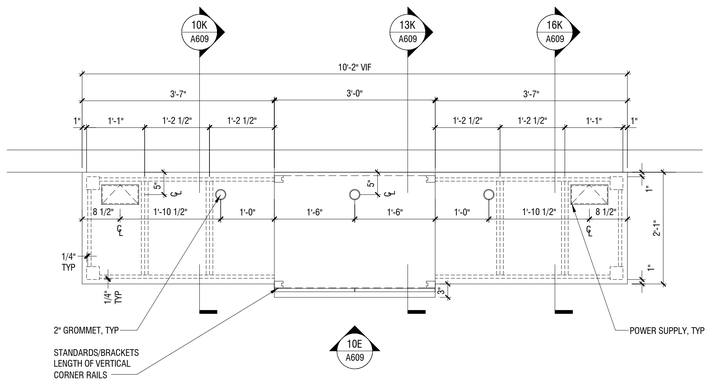
ROD
FINISH: CHROME



5A PLAN - GUEST LAUNDRY
3/4" = 1'-0"

SPECIFICATIONS:

REFER TO FF&E SPECIFICATIONS IF-306
FOR BALANCE OF INFORMATION



10A PLAN - BUSINESS CENTER A
3/4" = 1'-0"

MISHRA
ARCHITECTURE PLLC
6800 S Creek Rd, Charlotte, NC 28277
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WEB: www.mishraarch.com

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STRUCTURAL:
Whisonant Engineering Services, LLC
122 Nut Tree Court
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Phone: (803) 957-4008
Email: bill@weslex.com

MEP:
Allied Consulting Engineers
2905-D Queen City Drive
Charlotte, NC 28208
Phone: (704) 399-3943
Email: dbelk@allied-engineers.com

REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI
7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Casework-Business Center, Guest Laundry & Vanity

Phase
Construction Documentss

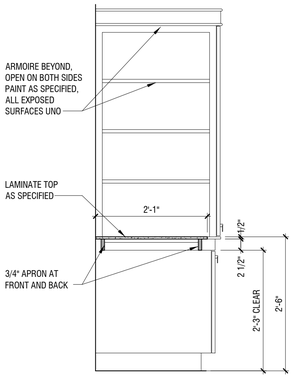
Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A609

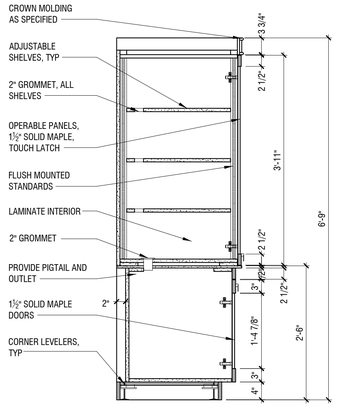
Released for

10/4/2019 8:51:37 AM

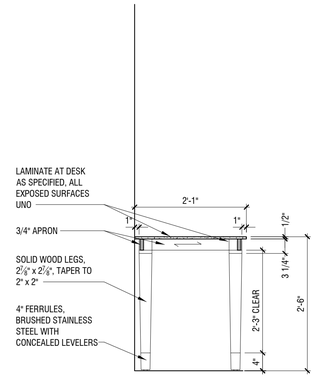
Home2Suites Vicksburg



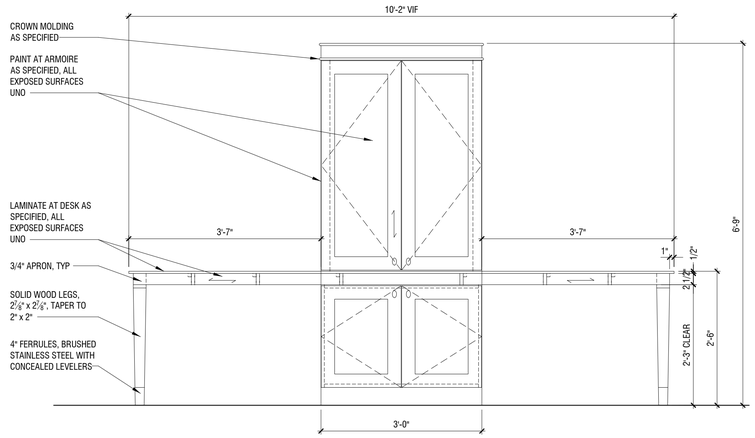
10K SECTION
3/4" = 1'-0"



13K SECTION
3/4" = 1'-0"



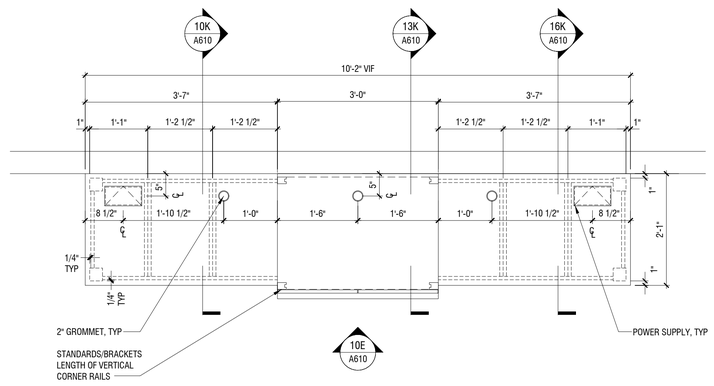
16K SECTION
3/4" = 1'-0"



10E ELEVATION
3/4" = 1'-0"

SPECIFICATIONS:

REFER TO FF&E SPECIFICATIONS IF-306 FOR BALANCE OF INFORMATION



10A PLAN BUSINESS CENTER B
3/4" = 1'-0"

10/4/2019 8:51:42 AM

MISHRA ARCHITECTURE PLLC
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Allied Consulting Engineers
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Charlotte, NC 28208
Phone: (704) 399-3943
Email: dbelk@allied-engineers.com

REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Casework-Business Center

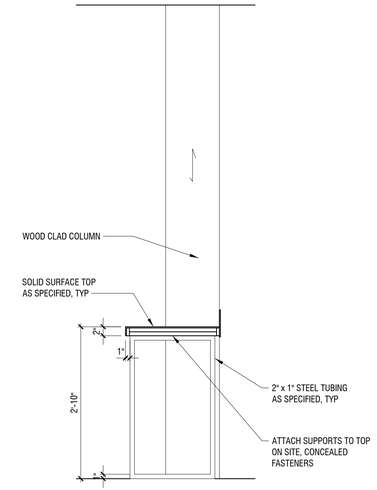
Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

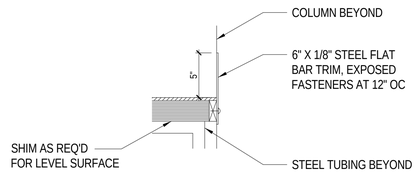
Sheet No.
A610

Released for

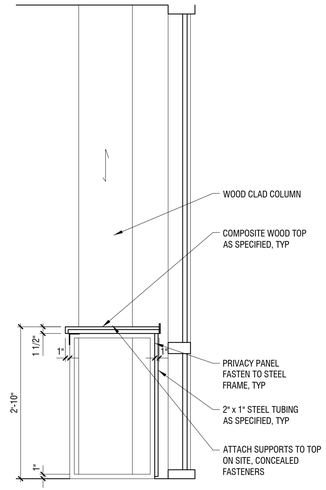
Home2Suites Vicksburg



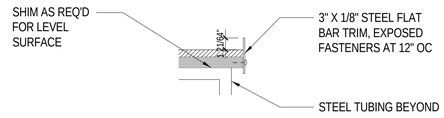
1K SECTION - PERCH
3/4" = 1'-0"



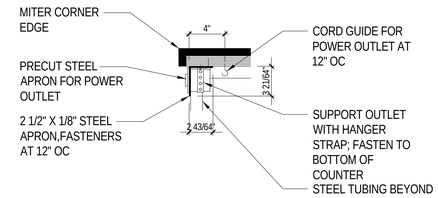
4K PERCH DETAIL
1 1/2" = 1'-0"



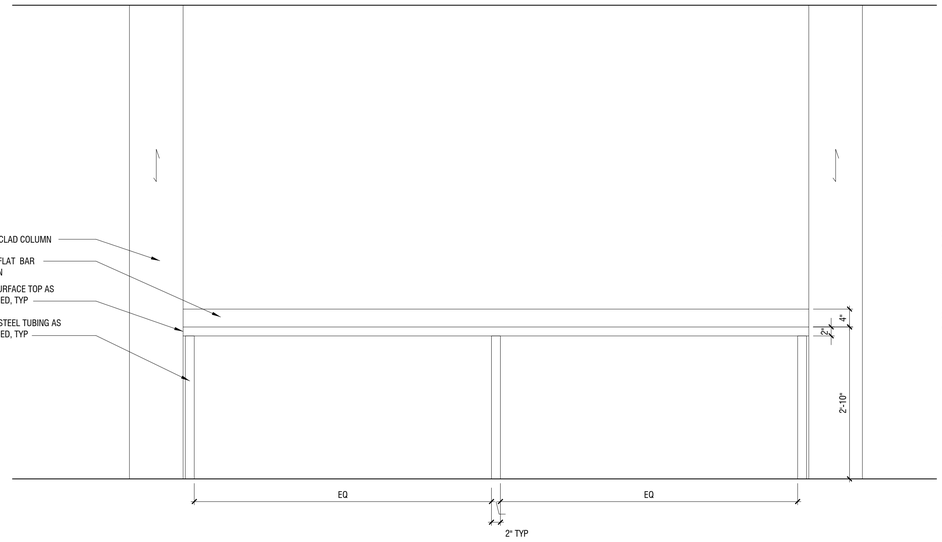
10K SECTION - WINDOW PERCH
3/4" = 1'-0"



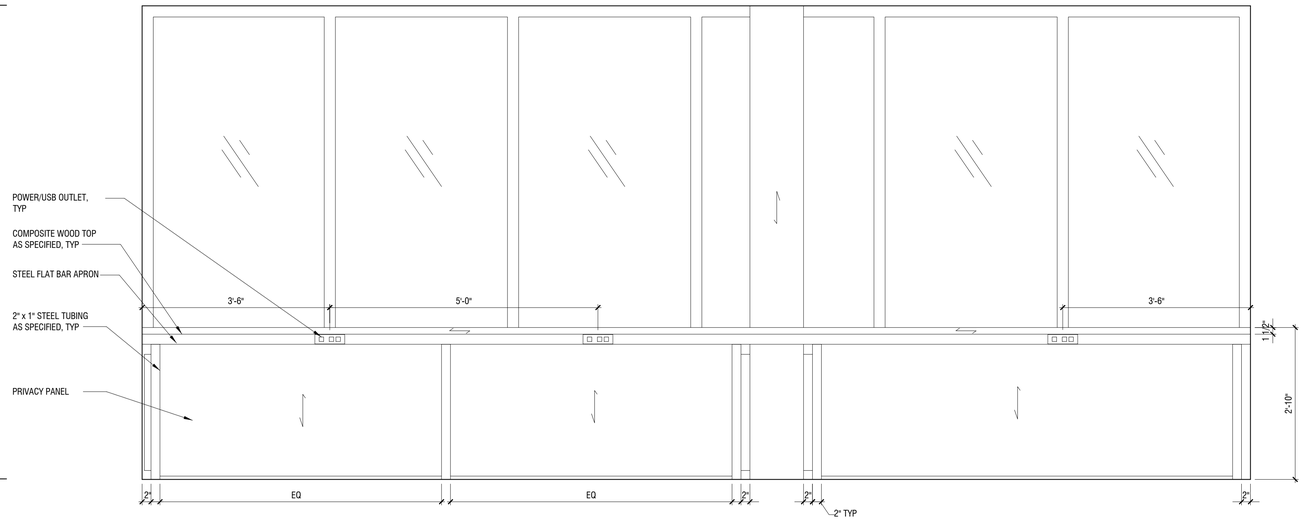
4KA PERCH DETAIL
1 1/2" = 1'-0"



14K PERCH DETAIL
1 1/2" = 1'-0"



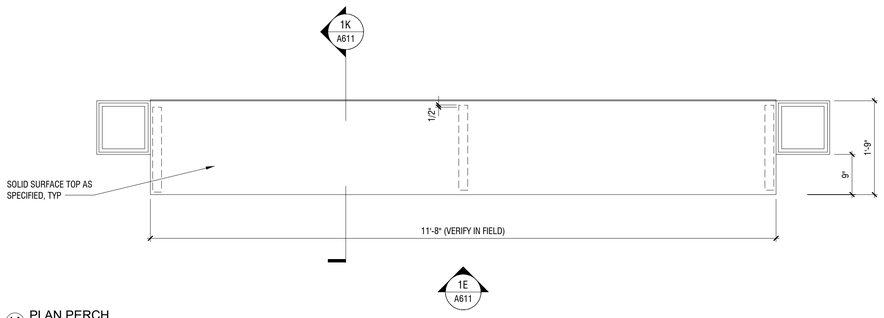
1E ELEVATION - PERCH
3/4" = 1'-0"



10E ELEVATION - WINDOW PERCH
3/4" = 1'-0"

SPECIFICATIONS:

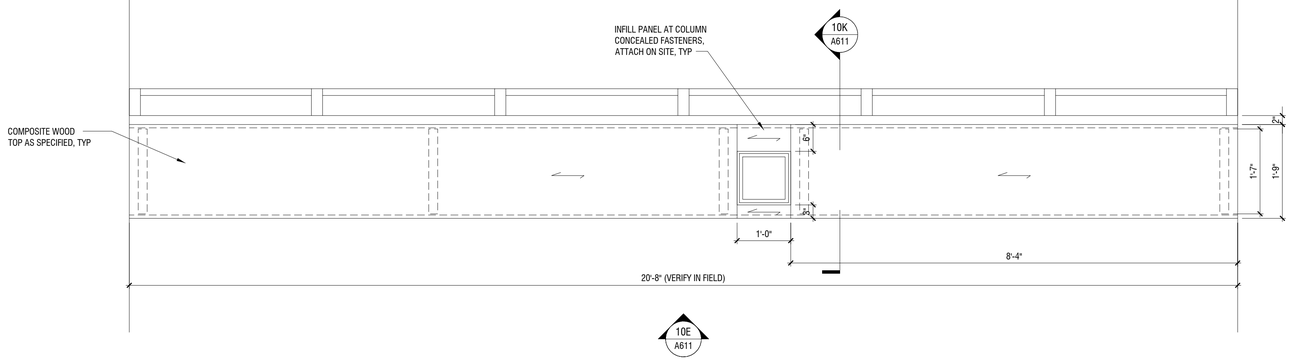
REFER TO FF&E SPECIFICATIONS IF-308
FOR BALANCE OF INFORMATION



1A PLAN PERCH
3/4" = 1'-0"

SPECIFICATIONS:

REFER TO FF&E SPECIFICATIONS IF-307
FOR BALANCE OF INFORMATION



10A PLAN - WINDOW PERCH
3/4" = 1'-0"

10/4/2019 8:51:46 AM

MISHRA
ARCHITECTURE PLLC

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Charlotte, NC 28208
Phone: (704) 399-3943
Email: dbelk@allied-engineers.com

REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT
ASHISH MISHRA
3536
STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Casework-Window Perch and Perch

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A611

Released for

Home2Suites Vicksburg

Room Schedule

Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Comments
101	Stairs #1	Carpet	Vinyl	Ptd. Gyp. Bd.		9'-0"	
102	Hearing Impaired King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
103	Engineer	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	A.C.T.	10'-0"	
104	Guest Laundry	Porcelain Tile	Por. Tile	VWC	Ptd. Gyp. Bd.	10'-0"	
105	Fitness Center	Resilient	Resilient	VWC	Ptd. Gyp. Bd./ACT	9'-0"/9'-6"	
106	Pantry Storage	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
107	Hearing Impaired King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
108	Storage	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
109	Storage	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
110	Vestibule	Porcelain Tile	Por. Tile	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-6"	
111	Mech.	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
112	Manager	Carpet	Wood	Ptd. Gyp. Bd.	A.C.T.	10'-0"	
113	Ice	Porcelain Tile	Por. Tile	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
114	Pantry	Quarry Tile	Quarry Tile	Ptd. Gyp. Bd.	A.C.T.	9'-0"	WALLS TO HAVE EPOXY PAINT AND CEILING TO BE WASHABLE ACT
115	Storage	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
116	Sitting	Stamped Conc.			Ptd. Gyp. Bd.	8'-10"	
117	Breakfast Area	Porcelain Tile	Wood	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	8'-10"	
118	Registration	Porcelain Tile	Wood	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	8'-10"	
119	Work Station	Carpet	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	8'-0"	
120	Sales	Carpet	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	8'-0"	
121	Mech.	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
122	Dryers	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
123	Laundry	Cer. Tile	Cer. Tile	Ptd. Gyp. Bd.	A.C.T.	10'-0"	
124	Washers	Sealed Conc.		Ptd. Gyp. Bd.	A.C.T.	10'-0"	
125	Employee Break	Porcelain Tile	Vinyl	Ptd. Gyp. Bd.	A.C.T.	10'-0"	
126	Laundry Discharge	Porcelain Tile	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
127	Vestibule	Porcelain Tile	Cer. Tile	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	8'-10"	
128	Mech.	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
129	Elevator Lobby	Porcelain Tile	Wood	VWC	Ptd. Gyp. Bd.	8'-10"	
130	Elevators	Porcelain Tile	Wood	Panels	Decorative		
131	Elev. Equip.	Carpet	Wood	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
132	Elev. Equip.	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
133	Unisex Toilet	Porcelain Tile	Cer. Tile	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	8'-0"	
134	Gathering Zone	Porcelain Tile	Wood	Ptd. Gyp. Bd.	Ptd. Gyp. Bd./ACT	8'-10"/9'-6"	
135	Closet	Carpet	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	8'-0"	
136	Guest Corridor	Porcelain Tile	Wood	VWC	Ptd. Gyp. Bd./ACT	8'-10"/8'-6"	
137	Mens	Porcelain Tile	Cer. Tile	VWC	Ptd. Gyp. Bd.	9'-0"	PORCELAIN TILE ON PLUMBING FIXTURE WALLS
138	Womens	Porcelain Tile	Cer. Tile	VWC	Ptd. Gyp. Bd.	9'-0"	PORCELAIN TILE ON PLUMBING FIXTURE WALLS
139	Electrical	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
140	Water Heater	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
141	Meeting Room Storage	Porcelain Tile	Cer. Tile	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
142	Mech.	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"	
143	Smoking Area						
144	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
145	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
146	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
147	King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
148	Stairs #2	Carpet	Vinyl	Ptd. Gyp. Bd.			
149	Meeting	Carpet	Synth.	VWC	Ptd. Gyp. Bd./ACT	9'-0"/10'-0"	4 INCH BASE TO BE THROUGH BODY SYNTHETIC
151	Pool Equip.	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	8'-0"	
152	Pool Storage	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	8'-0"	
153	Sitout						
154	Pool						
155	Pool Deck						
156	Cookout Area						
157	Storage	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.			
158	Trash						
201	Stairs #1	Carpet	Vinyl	Ptd. Gyp. Bd.			
202	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
203	Hearing Impaired King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
204	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
205	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
206	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
207	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
208	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
209	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
210	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
211	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
212	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
213	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
214	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
215	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
216	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
217	Hearing Impaired Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
218	Hearing Impaired King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
219	Accessible King Rollin Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
220	Elevator Lobby	Porcelain Tile	Por. Tile	VWC	Ptd. Gyp. Bd.	9'-0"/9'-6"	
221	Elevators	Porcelain Tile	Wood	Panels	Decorative		
222	Housekeeping	Porcelain Tile	Vinyl	Ptd. Gyp. Bd.	A.C.T.	9'-0"	
223	Ice	Porcelain Tile	Por. Tile	VWC	Ptd. Gyp. Bd.	9'-0"	
224	Electrical	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	9'-0"	
225	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
226	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
227	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
228	Acc. King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
229	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
230	King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	

Room Schedule

Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Comments
231	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
232	Stairs #2	Carpet	Vinyl	Ptd. Gyp. Bd.			
233	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
234	Guest Corridor	Carpet	Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd./ACT	8'-0"/8'-3"	
235	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
236	PBX	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	9'-0"	
301	Stairs #1	Carpet	Vinyl	Ptd. Gyp. Bd.			
302	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
303	King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
304	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
305	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
306	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
307	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
308	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
309	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
310	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
311	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
312	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
313	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
314	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
315	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
316	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
317	Hearing Impaired Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
318	Hearing Impaired King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
319	Accessible Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
320	Elevator Lobby	Porcelain Tile	Por. Tile	VWC	Ptd. Gyp. Bd.	9'-0"/9'-6"	
321	Elevator	Porcelain Tile	Wood	Panels	Decorative		
322	Housekeeping	Porcelain Tile	Por. Tile	Ptd. Gyp. Bd.	A.C.T.	9'-0"	
323	Ice	Porcelain Tile	Por. Tile	VWC	Ptd. Gyp. Bd.	9'-0"	
324	Electrical	Sealed Conc.	Vinyl	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	9'-0"	
325	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
326	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
327	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
328	Acc. King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
329	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
330	King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
331	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
332	Stairs #2	Carpet	Vinyl	Ptd. Gyp. Bd.			
333	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
334	Corridor	Carpet	Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd./ACT	8'-0"/8'-3"	
335	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
401	Stairs #1	Carpet	Vinyl	Ptd. Gyp. Bd.			
402	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
403	King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
404	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
405	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
406	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
407	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
408	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
409	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
410	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
411	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
412	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
413	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
414	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
415	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
416	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
417	Hearing Impaired Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
418	Hearing Impaired King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
419	Accessible Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
420	Elevator Lobby	Porcelain Tile	Por. Tile	VWC	Ptd. Gyp. Bd.	9'-0"/9'-6"	
421	Elevator	Porcelain Tile	Wood	Panels	Decorative		
422	Housekeeping	Porcelain Tile	Por. Tile	Ptd. Gyp. Bd.	A.C.T.	9'-0"	
423	Ice	Porcelain Tile	Por. Tile	VWC	Ptd. Gyp. Bd.	9'-0"	
424	Electrical	Sealed Conc.	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	9'-0"	
425	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
426	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
427	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
428	King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
429	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
430	King One Bedroom	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
431	Queen Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
432	Stairs #2	Carpet	Vinyl	Ptd. Gyp. Bd.			
433	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
434	Corridor	Carpet	Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd./ACT	8'-0"/8'-3"	
435	King Studio	Tile/Carpet	Tile/Carpet	Ptd. Gyp. Bd.	Ptd. Gyp. Bd.	10'-0"/8'-0"	
501	Stairs #1						

TYPICAL FINISH LEGEND NOTES

1. THE PATIO AND OUTDOOR LOUNGE MUST BE EXPOSED AGGREGATE WITH LIGHT SANDBLAST OR WITH A CONCRETE FINISH CURING PRODUCT. THE FINISH MUST BE COMFORTABLE TO WALK ON WITH BARE FEET. DECORATIVE CONCRETE FINISH MUST BE INTEGRAL WITH THE SLAB.

2. ELEVATOR WALLS WILL BE PLASTIC LAMINATE PANELS. CEILING TO BE DECORATIVE WITH LIGHTING.

3. GUEST ROOMS CEILING TO HAVE SMOOTH OR LIGHT ORANGE PEEL FINISH. GUESTROOM BATHROOM TO BE PORCELAIN TILE WITH MINIMUM 3 INCHES PORCELAIN TILE BASE. GUEST BATHROOM WALLS TO BE VINYL WALL COVERING (VWC). ACRYLIC KNOCKDOWN PERMITTED ABOVE PREFABRICATED SURROUNDS ONLY.

4. FRONT DESK BACK WALL WILL BE WITH BROAD SUSTAINABLE WOOD BAND PANELS AND SIGNATURE GREEN GLASS WINDOW WITH BRAND LOGO.

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REVISIONS

No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT ASHISH V. MISHRA 3536 7/31/2018 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Finish Schedule

Phase
Construction Documentss

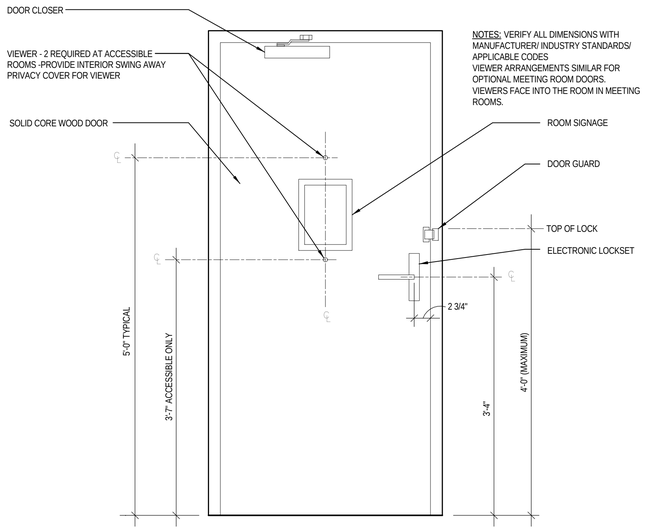
Project No. 17-051
Prepared by Author
Checked by Checker
Date July 31, 2018

Sheet No.
A701

Released for

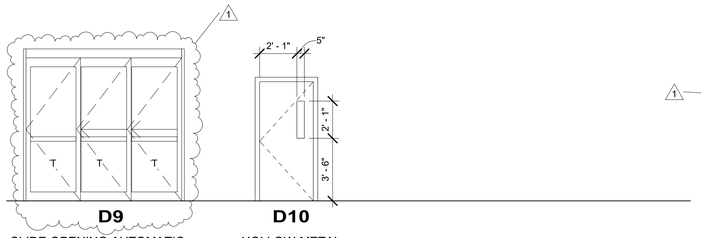
Home2Suites Vicksburg

4/8/2019 3:37:44 PM



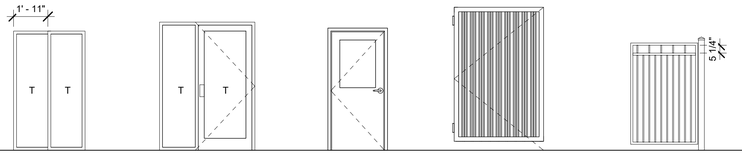
NOTES: VERIFY ALL DIMENSIONS WITH MANUFACTURER/ INDUSTRY STANDARDS/ APPLICABLE CODES
VIEWER ARRANGEMENTS SIMILAR FOR OPTIONAL MEETING ROOM DOORS. VIEWERS FACE INTO THE ROOM IN MEETING ROOMS.

ELEVATION AT GUEST ROOM ENTRY DOOR
1 1/4" = 1'-0"



D9
SLIDE OPENING AUTOMATIC ALUMINUM DOOR W/ EMERGENCY SWING OUT

D10
HOLLOW METAL PAINTED WITH VISION GLASS



D12
SLIDING ALUM FRAME GLASS SHOWER DOOR

D13
ALUM. STOREFRONT W TEMPERED GLASS

D14
ALUM. STOREFRONT W TEMPERED GLASS

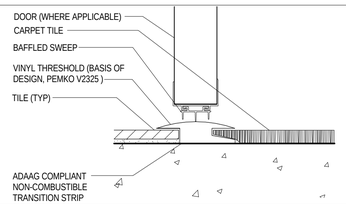
D15
METAL WITH PRIVACY PANEL DUMPSTER AREA DOOR

D16
PREFINISHED METAL POOL FENCE DOOR SELF-LATCHING AND LOCKABLE GATE

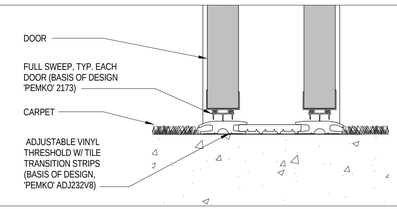
Door Schedule

Mark	Width	Height	Door Types	Door Material	Frame Material	Thickness	Fire Rating	Comments
101A	3' - 0"	6' - 8"	D10	S.C. WOOD	H.M.	1 3/4"	90 MINS.	PANIC HARDWARE
101B	3' - 0"	6' - 8"	D1	H.M.	H.M.	1 3/4"		CARD KEY AND PANIC HARDWARE, INSULATED
103	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	LOCK SET
105	3' - 0"	7' - 0"	D13	ALUM.	ALUM.		20 MINS.	CARD KEY AND PANIC HARDWARE, TEMPERED GLASS
106	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"		LOCK SET
108	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	LOCK SET
109	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	LOCK SET
110A	9' - 0"	8' - 6"	D9	ALUM.	ALUM.			PANIC HARDWARE
110B	9' - 0"	8' - 6"	D9	ALUM.	ALUM.			CARD KEY AND PANIC HARDWARE
111	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	90 MINS.	LOCK SET
112	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	KEYPAD LOCK
114A	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	LOCK SET
114B	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"		KICKPLATE
115	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	LOCK SET
120	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"		KEYPAD LOCK
121	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	90 MINS.	LOCK SET
122	2' - 6"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"		
123B	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	CARD KEY
126	4' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	KEYPAD LOCK
127	3' - 0"	6' - 8"	D4	ALUM.	ALUM.			CARD KEY AND PANIC HARDWARE, TEMPERED GLASS
128	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	90 MINS.	LOCK SET
131	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	KEYPAD LOCK
133	3' - 0"	6' - 8"	D1	H.M.	H.M.	1 3/4"		CARD KEY AND PRIVACY LOCK, INSULATED
135	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"		
136A	3' - 0"	6' - 8"	D4	ALUM.	ALUM.			CARD KEY AND PANIC HARDWARE
136B	3' - 0"	6' - 8"	D4	ALUM.	ALUM.			CARD KEY AND PANIC HARDWARE
137	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	
138	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	
139	4' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	KEYPAD LOCK
140A	4' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	
140B	4' - 0"	6' - 8"	D1	H.M.	H.M.	1 3/4"	20 MINS.	LOCKSET AND PANIC HARDWARE, INSULATED
141	4' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	
142	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	90 MINS.	LOCK SET
148A	3' - 0"	6' - 8"	D10	S.C. WOOD	H.M.	1 3/4"	90 MINS.	PANIC HARDWARE
148B	3' - 0"	6' - 8"	D1	H.M.	H.M.	1 3/4"		CARD KEY AND PANIC HARDWARE, INSULATED
149A	3' - 0"	7' - 0"	D14	S.C. WOOD	H.M.	1 3/4"		LOCKSET AND PANIC HARDWARE
149B	3' - 0"	7' - 0"	D14	S.C. WOOD	H.M.	1 3/4"		LOCKSET AND PANIC HARDWARE
151	3' - 0"	6' - 8"	D1	H.M.	H.M.	1 3/4"		LOCK SET, INSULATED
152	3' - 0"	6' - 8"	D1	H.M.	H.M.	1 3/4"		LOCK SET, INSULATED
157	4' - 0"	6' - 8"	D1	H.M.	H.M.	1 3/4"		LOCK SET, INSULATED
201	3' - 0"	6' - 8"	D10	S.C. WOOD	H.M.	1 3/4"	90 MINS.	PANIC HARDWARE
222	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	LOCK SET
224	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	LOCK SET
232	3' - 0"	6' - 8"	D10	S.C. WOOD	H.M.	1 3/4"	90 MINS.	PANIC HARDWARE
236	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"		LOCK SET
301	3' - 0"	6' - 8"	D10	S.C. WOOD	H.M.	1 3/4"	90 MINS.	PANIC HARDWARE
322	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	LOCK SET
324	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	LOCK SET
332	3' - 0"	6' - 8"	D10	S.C. WOOD	H.M.	1 3/4"	90 MINS.	PANIC HARDWARE
401	3' - 0"	6' - 8"	D10	S.C. WOOD	H.M.	1 3/4"	90 MINS.	
422	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	
424	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	20 MINS.	
432	3' - 0"	6' - 8"	D10	S.C. WOOD	H.M.	1 3/4"	90 MINS.	
501	3' - 0"	6' - 8"	D1	H.M.	H.M.	1 3/4"	90 MINS.	
A	3' - 0"	6' - 8"	D2	S.C. WOOD	H.M.	1 3/4"	20-Minute	CARD KEY
B	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"		PRIVACY LOCK
B1	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"		PRIVACY LOCK
C	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"		PRIVACY LOCK
D	5' - 0"	6' - 8"	D12	GLASS	ALUM.			
E	3' - 0"	6' - 8"	D1	S.C. WOOD	H.M.	1 3/4"	45 MINS.	DOUBLE DOOR DEAD BOLT FROM BOTH SIDES
T		6' - 8"				1 3/4"		TOILET PARTITION DOOR AS PER MANUFACTURER'S SPECS.

Threshold Detail at Guestroom Entry Door



Threshold Detail at Connecting Door



Door Schedule "REMARKS" Key

a. PROVIDE (2) DOORS FOR EACH COMMUNICATING DOOR LOCATION

b. SLIDING AUTOMATIC ENTRANCE: BASIS OF DESIGN IS BESAM UNISLIDE OC-S, OVERHEAD CONCEALED FIXED SIDELITE, NARROW STILE SINGLE SLIDE DOOR SYSTEM

c. ALUMINUM DOOR WITHIN STOREFRONT FRAME BASIS OF DESIGN IS KAWNEER 500 WIDE STILE DOORS. DOORS & FRAMES TO BE PAINTED, ALL HARDWARE & TRIM TO BE CLEAR ANODIZED ALUMINUM OR US32D. REFER TO ELEVATIONS.

d. DOORS ON MAGNETIC HOLD OPENS TO TIED INTO FIRE ALARM SYSTEM AND TO RELEASE WHEN ALARM IS ACTUATED

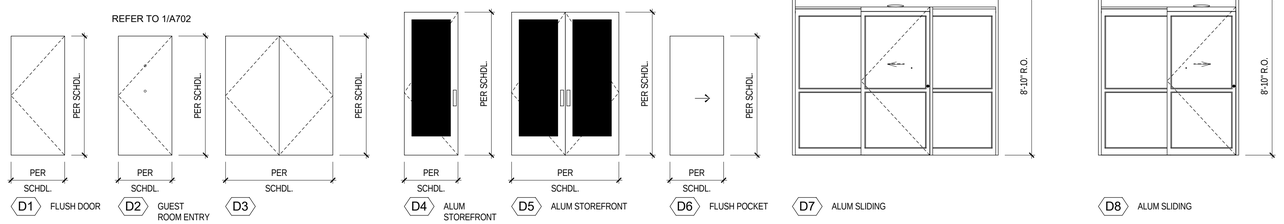
e. POCKET DOOR KIT - BASIS OF DESIGN IS JOHNSON DOOR KIT MODEL 2000

f. POCKET DOOR KIT - BASIS OF DESIGN IS JOHNSON DOOR KIT MODEL 2060

g. PROVIDE (1) REMOTE READER AND (1) INTERCOM/BUZZER--REFER TO HARDWARE SET #8/A10.01 FOR MANUFACTURER AND MODEL

h. SLIDING POCKET DOORS MUST HAVE A CLEAR OPENING WIDTH OF 32" WHEN FULLY OPEN - HARDWARE MAY NOT PROTRUDE INTO CLEAR OPENING

Door Types



Only Front Desk System
Front Desk, Guest Cards,2 Day Training

Set #1: Guestroom Entry Door
1.5 PR Hinges
1 Advance Card Lock - Wing Lever
1 Door Closer - w/ 90° Stop
1 Perimeter Gasketing
1 Vinyl Threshold
1 Door Bottom - Notched
1 Door Sweep
1 Privacy Latch
1 One Way Viewer ((2) @ Accessible Rooms)
Smoking Guestroom Entry Doors (substitute the following)
1 Door Bottom - Unnotched

Set #2: Bathroom Pocket Doors
1 Pocket Door Kit
1 Privacy Lock
1 Finger Pull
Accessible Bathroom Pocket Doors
1 Pocket Door Kit
1 Sliding Dr Pull w/Latch

Set #3: Connecting Doors
2 PR Spring Hinge
1 PR Hinges
2 Connecting Latch
2 Conn. DR Deadbolt
2 Perimeter Gasketing
1 Vinyl Threshold
2 Door Bottom - Unnotched
2 Door Sweeps
2 Door Guard w/ Edge
2 Wall Stop

Set #4: Bedroom Door
1.5 PR Hinges
1 Privacy Set
1 Wall Stop

Set #5: Bathroom Swing Door
1.5 PR Hinges
1 Privacy Set
1 Roller Bumper

Set #6: Sliding Glass Entry Door
1 Remote Reader
1 Intercom/Buzzer
1 Security Camera
Balance Of Hardware part of Door Unit

Set #7: Aluminum Exercise Room
1 Advance Card Lock - Wing Lever
1 Continuous Hinge
1 Door Closer

Set #8: Exterior Aluminum Vestibule Swinging Doors
1 Remote Reader
1 Intercom/Buzzer
2 Continuous Hinges
2 Panic Devices
2 Push/Pulls
2 Door Closers
1 Threshold
2 Door Sweeps
1 Weatherstrip

Set #9: Aluminum Pool Lobby
1 Remote Reader
1 Continuous Hinges
1 Panic Devices
1 Push/Pulls
1 Door Closers

Set #10: Interior Aluminum Vestibule Swinging Doors
2 Continuous Hinges
2 Panic Devices
2 Push/Pulls
2 Door Closers
1 Threshold
2 Door Sweeps
1 Weatherstrip

Set #11: Hollow Metal Elevator Equipment Door
1.5 PR Hinges
1 Store Room Lock
1 Door Closer
1 Weatherstrip
1 Threshold
1 Door Sweep
1 Rain Drip

Set #12: Exterior Aluminum Egress Door
1 Rim Panic Interface
1 Continuous Hinges
1 Panic Devices
1 Push/Pulls
1 Door Closers
1 Threshold
1 Door Sweeps
1 Weatherstrip

Set #13:
3 PR Hinges
1 Store Room Lock
2 Flush Bolt
1 Door Closer
1 Weatherstrip

Set #14:
1.5 PR Hinges
1 Store Room Lock
1 Door Closer
1 Weatherstrip
1 Wall Stop

Set #15:
1.5 PR Hinges
1 Rim Exit Device
1 Door Closer
1 Weatherstrip
1 Wall Stop

Set #16:
1.5 PR Hinges
1 Rim Panic Interface
1 Rim Exit Device
1 Door Closer
1 Weatherstrip
1 Threshold
1 Door Sweep
1 Rain Drip Cap

Set #17:
1.5 PR Hinges
1 Advance Cardlock - Wing Lever
1 Door Closer
1 Weatherstrip
1 Wall Stop

Set #18:
1.5 PR Hinges
1 Office Lock
1 Wall Stop

Set #19:
2 PR Hinges
1 Advance Cardlock - Wing Lever
1 Door Closer
1 Weatherstrip
1 Wall Stop

Set #20:
1.5 PR Hinges
1 Advance Cardlock - Wing Lever
1 Door Closer
1 Weatherstrip
1 Wall Stop

Set #21:
1.5 PR Hinges
1 Privacy Set
1 Weatherstrip
1 Wall Stop
2 Kick Plate

Set #22:
1.5 PR Hinges
1 Rim Exit Device
1 Door Closer
1 Weatherstrip
1 Magnetic Hold Open

Set #23:
4 PR Swing Clr Hinges
1 Latchset
2 Wd Auto Flush Bolt
1 Coordinator
2 Door Closer
1 Weatherstrip
1 Magnetic Hold Open

Set #24:
2 PR Hvy Wt Hinges
1 Advance Cardlock - Wing Lever
1 Door Closer
1 Weatherstrip
1 Wall Stop

Set #25:
2 PR Hinges
1 Latchset
1 Door Closer
1 Weatherstrip
1 Magnetic Hold Open

Set #26:
1.5 PR Hinges
1 Store Room Lock
1 Wall Stop

Set #27:
1.5 PR Hinges
1 Advance Cardlock - Wing Lever w/ Weather Pack
1 Door Closer
1 Weatherstrip
1 Threshold
1 Door Sweep
1 Rain Drip

GENERAL DOOR NOTES:

1. ALL DOOR HARDWARE SHALL BE US 32D FINISH (U.N.O.)
2. ALL DOOR CYLINDERS TO BE IC CORE FORMAT TO MATCH PROPERTY STANDARDS.
3. REFER TO SHEET A10.02 FOR DOOR HEAD & JAMB INFO.
4. REFER TO SHEET A10.03 FOR WALL TYPES - CROSS REFERENCE AGAINST DOOR FRAME THROAT THICKNESS
5. ALL DOORS SHALL BE PRE-FINISHED (SHOP OR FACTORY)
6. TOPS, BOTTOMS & SIDES OF ALL DOORS SHALL BE PAINTED OR STAINED TO MATCH DOOR.
7. PROVIDE CONSTRUCTION CYLINDERS DURING CONSTRUCTION. FOR DOORS REQ'D TO BE LOCKED REPLACE CONSTRUCTION CYLINDERS PRIOR TO HOTEL OPENING. COORDINATE W/ GENERAL CONTRACTOR.
8. ALL DOORS TO BE MASTER KEYED. COORDINATE KEYING W/ OWNER.
9. ALL LOCKSETS & CYLINDERS ARE SUPPLIED W/ FINAL CORES. PERMANENT KEYING BY DOOR SUBCONTRACTOR.
10. ALL 'EXIT' DOORS MUST BE OPERABLE FROM THE INSIDE WOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT.
11. ALL INTERIOR DOOR GLAZING & SIDELITES SHALL BE CLEAR TEMPERED GLASS (U.N.O.)
12. GLAZING AT EXTERIOR DOORS & SIDELITES SHALL BE INSULATED TEMPERED LITES – REFER TO ELEVATIONS
13. ALL DOOR HARDWARE SHALL COMPLY W/ ACCESSIBILITY REQ'S FOR ACCESSIBILITY – FEDERAL, STATE & LOCAL ACCESSIBILITY CODE(S).
14. ALL FULL/HALF VISION DOORS SHALL BE A MEDIUM STILE (U.N.O.)
15. ALL RATED DOORS SHALL BE PROVIDED W/ MIN. REQ'D DOOR HARDWARE REGARDLESS IF NOT SHOWN ON SCHEDULE. IF DIRECTION INDICATED OR NOTED IS SPECIFICALLY IN CONTRADICTION TO WHAT IS REQ'D. IN RATED DOORS, CONTACT ARCHITECT.
16. WHERE UNDERCUT NOT SPECIFIED, STANDARD UNDERCUT OF 3/4" FOR HM & WOOD DOORS.
17. 1 1/2" PAIR BUTT HINGES PER DOOR LEAF UP TO 7'-0". SOLID CORE WOOD OR HM DOORS FROM 7'-0" TO 10'-0" PROVIDE 2 PAIR BUTT HINGES PER DOOR LEAF. DOORS 10'-1" TO 14'-0" IN HEIGHT, PROVIDE 2 1/2 PAIR HINGES PER DOOR LEAF.
18. PROVIDE (3) SILENCERS IN SINGLE LEAF DOORS, (2) SILENCERS IN DOUBLE LEAF DOORS UNLESS PAIR OF DOORS HAS MIDDLE MULLION THEN PROVIDE A TOTAL (6) SILENCERS
19. LOCKSET SHALL OPERATE WHERE TURNING KEY UNLATCHES DOOR WHEN PUSHBUTTON IS ENGAGED & TURNED. KEY OPERATION WILL BE REQ'D @ ALL TIMES. RELEASING PUSHBUTTON UNLOCKS DOOR.
20. REFER TO INTERIOR ELEVATIONS FOR DOOR FINISHES. DOORS SPECIFIED W/ A MILLWORK FINISH SHALL BE FINISHED BY MILLWORK CONTRACTOR TO MATCH MILLWORK IN THAT ROOM/AREA.
21. PROVIDE REMOTE CARD READERS @ ALL EXTERIOR DOORS, INCLUDING MAIN ENTRY, & @ EXERCISE ROOM, INDOOR POOL, GUEST LAUNDRY & @ LINEN STORAGE ROOMS.
22. ALL EXTERIOR HOLLOW METAL DOORS SHALL BE GALVANIZED & INSULATED.
23. ALL EXTERIOR DOORS SHALL BE PROVIDED W/ AN ALUMN. DRIP EDGE ANCHORED TO UNDERSIDE OF WALL CONSTRUCTION (DOORS AS PART OF AN ALUMN. STOREFRONT SYSTEM W/ A TRANSOM LITE DO NOT REQUIRE DRIP EDGE - NOR DO DOORS THAT ARE PROTECTED UNDER CANOPIES.
24. ALL EXTERIOR DOORS SHALL HAVE THE TOP OF THE DOOR SLAB CONSTRUCTED IN SUCH A WAY TO SHED & THEREFORE PREVENT WATER FROM COLLECTING/SITTING WITH THE TOP OF THE DOOR SLAB. JOINTS SHALL BE MINIMIZED @ THE TOP OF DOOR SLAB, ANY CONSTRUCTION JOINTS SHALL BE FULLY WEATHER TIGHT.
25. GLAZING @ EXTERIOR DOORS & SIDELITES SHALL BE INSULATED TEMPERED LIGHTS – REFER TO ELEVATIONS & WINDOW SCHEDULE(S) FOR GLASS COLOR & SPECS.
26. SIGNAGE SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF DOORS. CENTERLINE OF SIGN SHALL BE 60"A.F.F. TO THE CENTERLINE OF THE SIGN AS INDICATED.
27. REFER TO HOME 2 SUITES BY HILTON STANDARDS MANUAL FOR ADDITIONAL INFO REGARDING DOOR & DOOR HARDWARE REQ'S.
28. ALL DOOR HARDWARE SETS LISTED ARE RECOMMENDED ITEMS. REFER TO THE STANDARDS MANUAL FOR REQ'S.
29. ALL DOORS MUST HAVE A 32" MIN. CLEAR WIDTH OPENING WHEN DOOR IS FULLY OPEN.
30. THRESHOLDS @ ACCESSIBLE DOORS TO MEET ALL APPROPRIATE ACCESSIBILITY REQS. ACCESSIBLE DOORS INCLUDE ALL PUBLIC ACCESS SPACES, ALL PUBLIC EXTERIOR DOORS, ALL EGRESS DOORS, & EMPLOYEE DOORS THAT ARE INDICATED W/ A CLEAR FLOOR AREA.
31. EXTERIOR DOORS MUST HAVE WEATHER-STRIPPING W/ THE APPROPRIATE TYPE OF THRESHOLD.
32. OUT-SWINGING EXTERIOR METAL DOORS MUST HAVE CLOSED TOPS.
33. ALL ROOFTOP EXITS (DOORS & HATCHES) MUST BE EQUIPPED W/ A PANIC BAR OR OTHER RELEASING DEVICE, LATCHING HARDWARE, & ALARM THAT IS MONITORED IN THE SECURITY DISPATCH OFFICE OR PBX. THESE DOORS MUST HAVE A SIGN ON THE INSIDE FACE INDICATING THE DOOR IS ALARMED & TO BE USED IN EMERGENCY SITUATIONS ONLY, IF ACCESSIBLE TO THE PUBLIC.

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT ASHISH MISHRA 23536 STATE OF MISSISSIPPI 7/31/18

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Door Schedule

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No. A702

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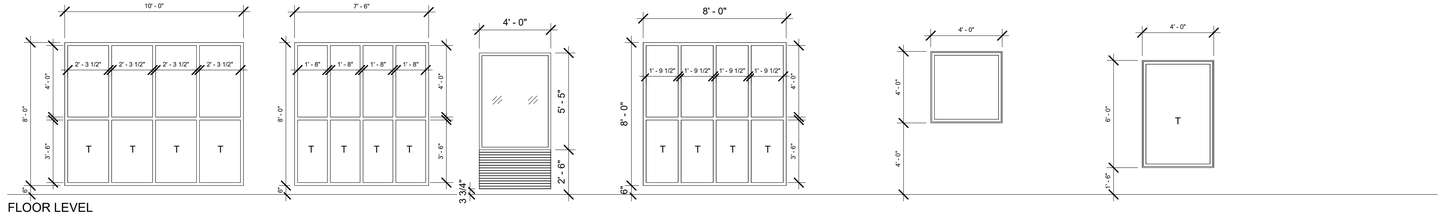
Home2Suites Vicksburg

Window Schedule					
Level	Type Mark	Width	Height	Sill Height	Count
Level 1	01	10' - 0"	8' - 0"	6"	1
Level 1	02	7' - 6"	8' - 0"	6"	1
Level 1	03	4' - 0"	5' - 5"	2' - 6"	14
Level 1	04	8' - 0"	8' - 0"	6"	3
Level 1	05	4' - 0"	4' - 0"	4' - 0"	3
Level 2	03	4' - 0"	5' - 5"	2' - 6"	30
Level 2	06	4' - 0"	6' - 0"	1' - 10"	2
Level 3	03	4' - 0"	5' - 5"	2' - 6"	30
Level 3	06	4' - 0"	6' - 0"	1' - 10"	2
Level 4	03	4' - 0"	5' - 5"	2' - 6"	30
Level 4	06	4' - 0"	6' - 0"	1' - 10"	2

Grand total: 118



01
INSULATING CLEAR FLOAT GLASS FIXED

02
INSULATING CLEAR FLOAT GLASS FIXED

03
INSULATING CLEAR FLOAT GLASS FIXED

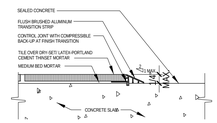
04
INSULATING CLEAR FLOAT GLASS FIXED

05
INSULATING CLEAR FLOAT GLASS FIXED ALUMINUM FRAME

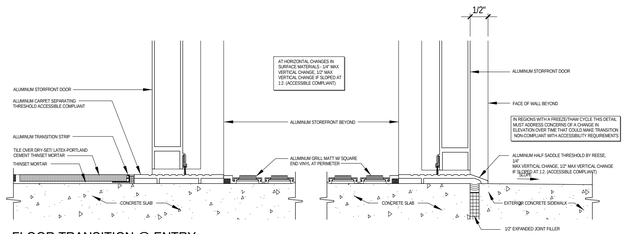
06
INSULATING CLEAR FLOAT GLASS FIXED ALUMINUM FRAME

WINDOW LEGEND:

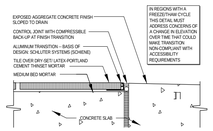
1. ALL WINDOW FRAMES TO HAVE THERMAL BREAK.
2. PTAC UNITS, EXTERIOR LOUVERS TO BE INTEGRAL WITH THE WINDOW FRAMES.
3. GUEST ROOM WINDOWS TO HAVE DOUBLE-GLAZED.
4. CONTRACTOR TO SUBMIT WINDOW SUBMITTAL FOR REVIEW BY ARCHITECT.
5. WINDOW FRAME AND GLAZING TO BE ABLE TO WITHSTAND WINDSPEED OF 115 MPH
6. "T" DESIGNATION ON GLAZING REPRESENTS TEMPERED GLASS



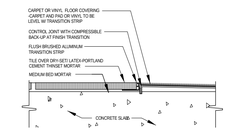
2 FLOOR TRANSITION
6" = 1'-0"



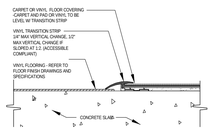
1 FLOOR TRANSITION @ ENTRY VESTIBULE
6" = 1'-0"



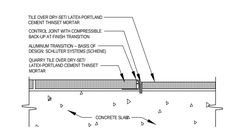
4 FLOOR TRANSITION
6" = 1'-0"



7 FLOOR TRANSITION
6" = 1'-0"



5 FLOOR TRANSITION
6" = 1'-0"



6 FLOOR TRANSITION
6" = 1'-0"

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Window Schedule

Phase
Construction Documentss

Project No.	17-051
Prepared by	Author
Checked by	Checker
Date	July 31, 2018

Sheet No.
A703

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OCCUPANT LOAD CALCULATIONS

Level	Space	Area Sq. Ft.	Occupancy Classification	Area/Occupant Load	Occupant Load
1ST	DINING	555	A-2	15	37
1ST	FITNESS/LOBBY OTHER ASSEMBLY	4,912	A-3	50	98
1ST	STORAGE/MECH.	2,530	S-2	300	8
1ST	LAUNDRY	242	F-1	100	2
1ST	OFFICE	535	B	100	5
1ST	KITCHEN	212	F-1	100	2
1ST	RESIDENTIAL	6,372	R-1	200	32
2ND	RESIDENTIAL	15,001	R-1	200	75
2ND	STORAGE/MECH.	429	S-2	300	1
3RD	RESIDENTIAL	14,982	R-1	200	75
3RD	STORAGE	448	S-2	300	1
4TH	RESIDENTIAL	14,982	R-1	200	75
4TH	STORAGE	448	S-2	300	1

FIRST FLOOR OCCUPANT LOAD: 185
SECOND FLOOR OCCUPANT LOAD: 76
THIRD FLOOR OCCUPANT LOAD: 76
FOURTH FLOOR OCCUPANT LOAD: 76
TOTAL OCCUPANT LOAD ALL FLOORS: 415

1 Level 1 Firewall Plan
1/8" = 1'-0"

FIRE WALL LEGEND

INDICATES ONE HOUR FIRE RATED WALL CONSTRUCTION AS PER UL STANDARDS

INDICATES TWO HOUR FIRE RATED WALL CONSTRUCTION AS PER UL STANDARDS

NOTE:
1. ALL FIRE-RATED WALLS TO EXTEND TO STRUCTURE ABOVE AS PER FIRECODE. ALL OPENINGS NEED TO MEET REQUIREMENTS.
2. ALL TOILET EXHAUST CHASE TO BE TWO-HOUR FIRE RATED WITH FIRE DAMPER AS PER CODE.
3. ALL MECHANICAL ROOMS, ELEVATOR EQUIPMENT ROOM TO BE TWO-HOUR FIRE RATED AS PER CODE.

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REVISIONS

No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 35356 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
First Floor Fire Wall Plan

Phase
Construction Documentss

Project No. 17-051
Prepared by Author
Checked by Checker
Date July 31, 2018

Sheet No. A801

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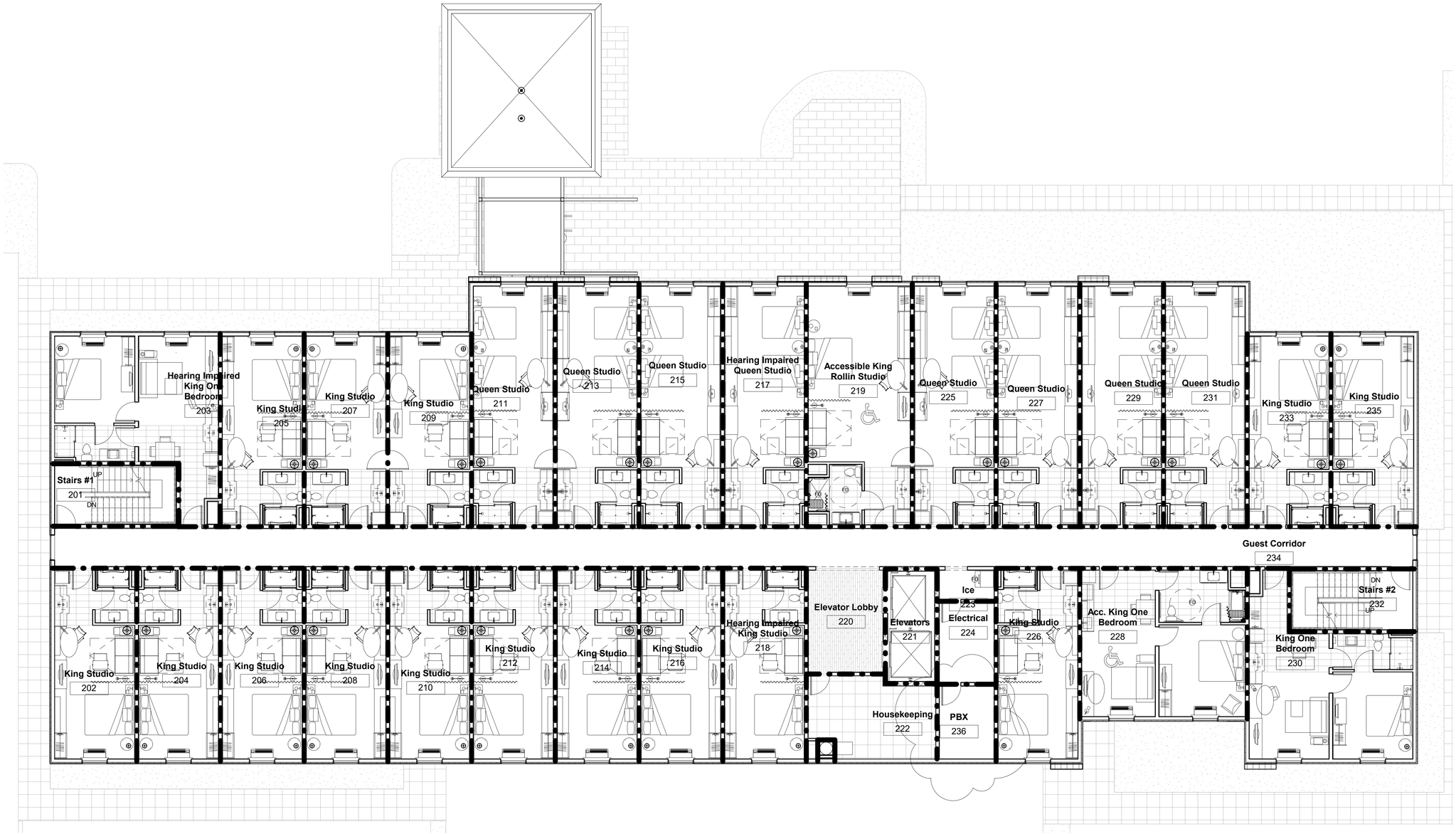
4/8/2019 3:38:12 PM



OCCUPANT LOAD CALCULATIONS

Level	Space	Area Sq. Ft.	Occupancy Classification	Area/Occupant Load	Occupant Load
1ST	DINING	555	A-2	15	37
1ST	FITNESS/LOBBY OTHER ASSEMBLY	4,912	A-3	50	98
1ST	STORAGE/MECH.	2,530	S-2	300	8
1ST	LAUNDRY	242	F-1	100	2
1ST	OFFICE	535	B	100	5
1ST	KITCHEN	212	F-1	100	2
1ST	RESIDENTIAL	6,372	R-1	200	32
2ND	RESIDENTIAL	15,001	R-1	200	75
2ND	STORAGE/MECH.	429	S-2	300	1
3RD	RESIDENTIAL	14,982	R-1	200	75
3RD	STORAGE	448	S-2	300	1
4TH	RESIDENTIAL	14,982	R-1	200	75
4TH	STORAGE	448	S-2	300	1

FIRST FLOOR OCCUPANT LOAD: 185
SECOND FLOOR OCCUPANT LOAD: 76
THIRD FLOOR OCCUPANT LOAD: 76
FOURTH FLOOR OCCUPANT LOAD: 76
TOTAL OCCUPANT LOAD ALL FLOORS: 415

1 Level 2 Firewall Plan
1/8" = 1'-0"

FIRE WALL LEGEND

INDICATES ONE HOUR FIRE RATED WALL CONSTRUCTION AS PER UL STANDARDS

INDICATES TWO HOUR FIRE RATED WALL CONSTRUCTION AS PER UL STANDARDS

NOTE:
1. ALL FIRE-RATED WALLS TO EXTEND TO STRUCTURE ABOVE AS PER FIRECODE. ALL OPENINGS NEED TO MEET REQUIREMENTS.
2. ALL TOILET EXHAUST CHASE TO BE TWO-HOUR FIRE RATED WITH FIRE DAMPER AS PER CODE.
3. ALL MECHANICAL ROOMS, ELEVATOR EQUIPMENT ROOM TO BE TWO-HOUR FIRE RATED AS PER CODE.

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REVISIONS		
No.	Date	Description
1	10/09/18	Hilton review

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Second Floor Fire Wall Plan

Phase
Construction Documentss

Project No. 17-051
Prepared by Author
Checked by Checker
Date July 31, 2018

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Home2Suites Vicksburg

1 Level 3 Firewall Plan
1/8" = 1'-0"

OCCUPANT LOAD CALCULATIONS

Level	Space	Area Sq. Ft.	Occupancy Classification	Area/Occupant Load	Occupant Load
1ST	DINING	555	A-2	15	37
1ST	FITNESS/LOBBY OTHER ASSEMBLY	4,912	A-3	50	98
1ST	STORAGE/MECH.	2,530	S-2	300	8
1ST	LAUNDRY	242	F-1	100	2
1ST	OFFICE	535	B	100	5
1ST	KITCHEN	212	F-1	100	2
1ST	RESIDENTIAL	6,372	R-1	200	32
2ND	RESIDENTIAL	15,001	R-1	200	75
2ND	STORAGE/MECH.	429	S-2	300	1
3RD	RESIDENTIAL	14,982	R-1	200	75
3RD	STORAGE	448	S-2	300	1
4TH	RESIDENTIAL	14,982	R-1	200	75
4TH	STORAGE	448	S-2	300	1

FIRST FLOOR OCCUPANT LOAD: 185
SECOND FLOOR OCCUPANT LOAD: 76
THIRD FLOOR OCCUPANT LOAD: 76
FOURTH FLOOR OCCUPANT LOAD: 76
TOTAL OCCUPANT LOAD ALL FLOORS: 415

FIRE WALL LEGEND

INDICATES ONE HOUR FIRE RATED WALL CONSTRUCTION AS PER UL STANDARDS

INDICATES TWO HOUR FIRE RATED WALL CONSTRUCTION AS PER UL STANDARDS

NOTE:
1. ALL FIRE-RATED WALLS TO EXTEND TO STRUCTURE ABOVE AS PER FIRECODE. ALL OPENINGS NEED TO MEET REQUIREMENTS.
2. ALL TOILET EXHAUST CHASE TO BE TWO-HOUR FIRE RATED WITH FIRE DAMPER AS PER CODE.
3. ALL MECHANICAL ROOMS, ELEVATOR EQUIPMENT ROOM TO BE TWO-HOUR FIRE RATED AS PER CODE.

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REVISIONS

No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Third Floor Fire Wall Plan

Phase
Construction Documentss

Project No. 17-051
Prepared by Author
Checked by Checker
Date July 31, 2018

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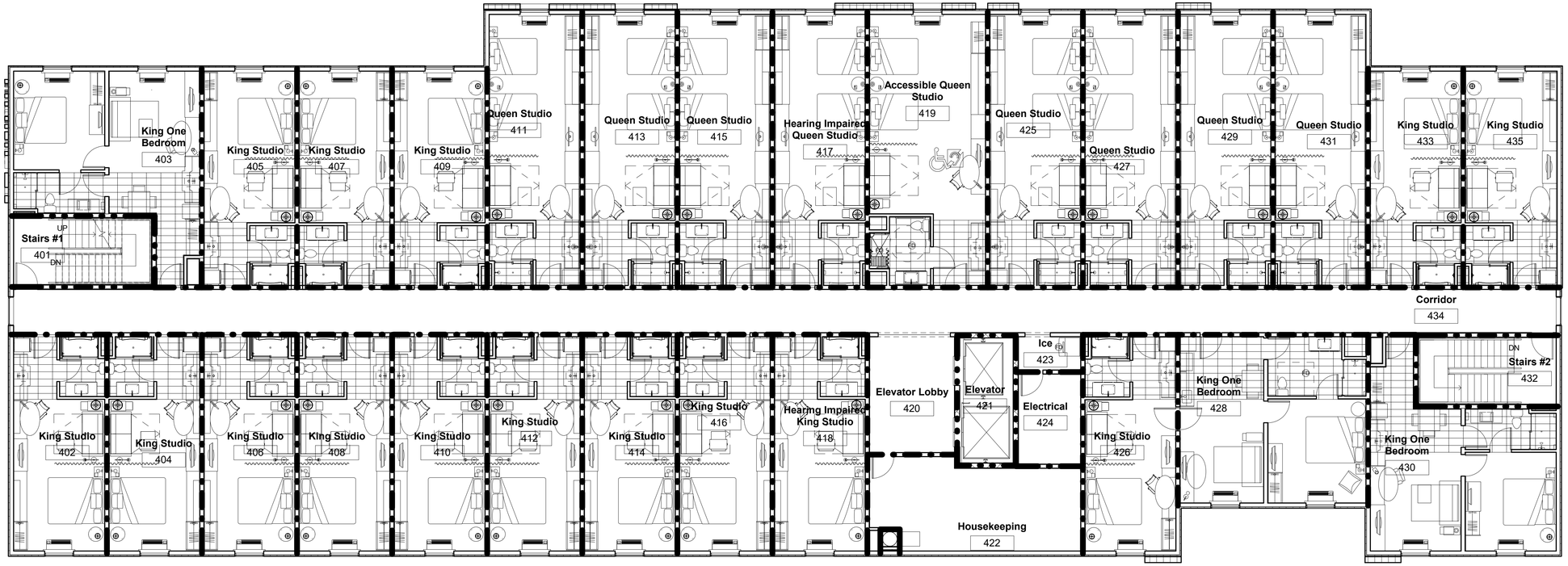
Home2Suites Vicksburg



1 Level 4 Firewall Plan
1/8" = 1'-0"

OCCUPANT LOAD CALCULATIONS

Level	Space	Area Sq. Ft.	Occupancy Classification	Area/Occupant Load	Occupant Load
1ST	DINING	555	A-2	15	37
1ST	FITNESS/LOBBY OTHER ASSEMBLY	4,912	A-3	50	98
1ST	STORAGE/MECH.	2,530	S-2	300	8
1ST	LAUNDRY	242	F-1	100	2
1ST	OFFICE	535	B	100	5
1ST	KITCHEN	212	F-1	100	2
1ST	RESIDENTIAL	6,372	R-1	200	32
2ND	RESIDENTIAL	15,001	R-1	200	75
2ND	STORAGE/MECH.	429	S-2	300	1
3RD	RESIDENTIAL	14,982	R-1	200	75
3RD	STORAGE	448	S-2	300	1
4TH	RESIDENTIAL	14,982	R-1	200	75
4TH	STORAGE	448	S-2	300	1

FIRST FLOOR OCCUPANT LOAD: 185
SECOND FLOOR OCCUPANT LOAD: 76
THIRD FLOOR OCCUPANT LOAD: 76
FOURTH FLOOR OCCUPANT LOAD: 76
TOTAL OCCUPANT LOAD ALL FLOORS: 415

FIRE WALL LEGEND

INDICATES ONE HOUR FIRE RATED WALL CONSTRUCTION AS PER UL STANDARDS

INDICATES TWO HOUR FIRE RATED WALL CONSTRUCTION AS PER UL STANDARDS

NOTE:
1. ALL FIRE-RATED WALLS TO EXTEND TO STRUCTURE ABOVE AS PER FIRECODE. ALL OPENINGS NEED TO MEET REQUIREMENTS.
2. ALL TOILET EXHAUST CHASE TO BE TWO-HOUR FIRE RATED WITH FIRE DAMPER AS PER CODE.
3. ALL MECHANICAL ROOMS, ELEVATOR EQUIPMENT ROOM TO BE TWO-HOUR FIRE RATED AS PER CODE.

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REVISIONS		
No.	Date	Description

REGISTERED ARCHITECT ASHISH MISHRA 3536 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Fourth Floor Fire Wall Plan

Phase
Construction Documentss

Project No. 17-051
Prepared by Author
Checked by Checker
Date July 31, 2018

Sheet No. A804

Released for

4/8/2019 3:39:00 PM

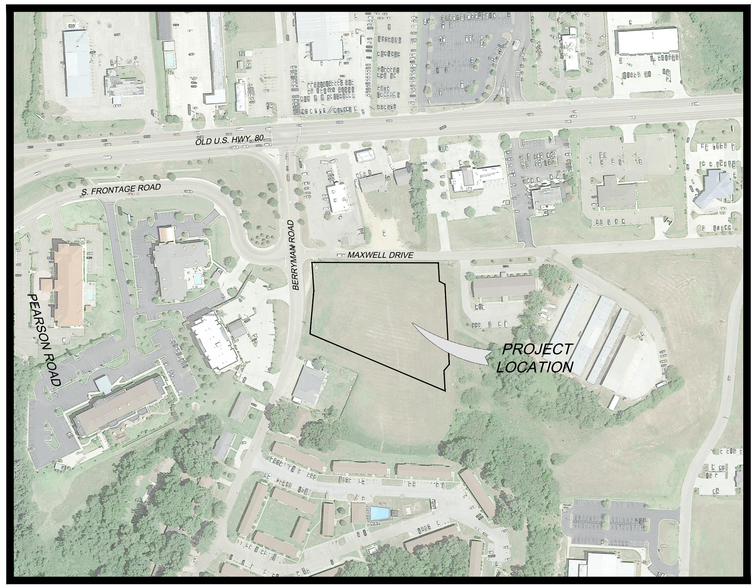
Home2Suites Vicksburg

CONSTRUCTION PLANS FOR:

HOME2SUITES

LOCATION:

CITY LIMITS OF VICKSBURG
WARREN COUNTY, MISSISSIPPI
MAY, 2019



VICINITY MAP

DRAWING INDEX

FOR CONSTRUCTION

GREGORY ALLEN BONDS
REGISTERED PROFESSIONAL
ENGINEER
16335
STATE OF MISSISSIPPI

Gregory A. Bonds — 05/10/19

Gregory A. Bonds, P.E.
Mississippi License No. 16335

Date

OWNER:
NEW VISION VENTURE
200 RIVERWIND EAST DR. SUITE 200
PEARL, MS 39208

BENCHMARK
ENGINEERING & SURVEYING, LLC
101 Highpointe Court, Suite B, Brandon, Mississippi 39042
Office: 601-591-1077 Fax: 601-591-0711
E-mail: gbonds@benchmarkms.net

SHEET NUMBER
C100

PROJECT NUMBER
B-5657

GENERAL CONSTRUCTION NOTES:

1. IT IS NOT THE INTENT OF THESE CONSTRUCTION DRAWINGS, NOTES OR DETAILS TO COVER ALL OF THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
2. ALL ELEMENTS AND ITEMS NEEDED FOR THE COMPLETE INSTALLATION OF THE IMPROVEMENTS SHOWN IN THESE PLANS THAT ARE NOT SHOWN AS A SEPARATE PAY ITEM SHALL BE CONSIDERED AN ABSORBED COST.
3. THE CONTRACTOR SHALL PROVIDE REASONABLE ACCESS TO ALL PROPERTIES IN THE PROJECT AREA THROUGHOUT CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTAL ITEMS NEEDED TO PROVIDE ADEQUATE CONSTRUCTION SIGNING, BARRICADES, TRAFFIC CONTROL DEVICES AND OTHER RELATED ITEMS FOR THE PROJECT AREA, DURING THE CONSTRUCTION PERIOD. MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK IS TO BE CONSIDERED AN INCIDENTAL ITEM AND THE COST OF THIS ITEM IS TO BE INCLUDED IN OTHER PAY ITEMS.
5. THE CONTRACTOR SHALL FURNISH ALL EFFORT, LABOR, EQUIPMENT AND MATERIALS REQUIRED TO PROPERLY, SAFELY AND ACCEPTABLY COMPLETE THE WORK IN A TIMELY MANNER. ALL WORK AND CONSTRUCTION PROCEDURES ARE SUBJECT TO THE APPROVAL OF THE ENGINEER/CITY OF VICKSBURG/OWNER. THE CONTRACTOR WILL BE EXPECTED TO PROGRESS DILIGENTLY AND CONSISTENTLY ITS ACTIVITIES AND OPERATION ON ALL WORKING DAYS WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE THEREFOR. THE CONTRACTOR SHALL WARRANT HIS WORKMANSHIP AND MATERIALS APPLIED AND INSTALLED FROM THE DATE OF SUCH APPLICATION AND INSTALLATION UNTIL ONE YEAR AFTER ACCEPTANCE OF THE WORK BY THE OWNER.
6. ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE UTILITY OWNER'S TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES (POWER, TELEPHONE, GAS, WATER, SEWER, ETC.) LOCATED IN THE PROJECT AREA PRIOR TO CONSTRUCTION AND COMPARE HIS FINDINGS AGAINST THE PROPOSED IMPROVEMENTS REQUIRED IN THESE PLANS. SHOULD ANY DISCREPANCIES BE FOUND BETWEEN THE EXISTING CONDITIONS AND PROPOSED IMPROVEMENTS THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING AND AWAIT FURTHER INSTRUCTION.
7. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE UTILITY OWNER BY THE CONTRACTOR. THIS INCLUDES ALL SERVICE LATERALS OF ANY KIND.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE INTEGRITY AND OPERATIONS OF ALL ABOVE AND BELOW GROUND UTILITY FACILITIES AT ALL TIMES. THE CONTRACTOR SHALL CONDUCT ITS ACTIVITIES AND OPERATIONS TO INSURE THE FUNCTIONAL INTEGRITY OF EACH UTILITY FACILITY LOCATED WITHIN THE WORK SITE. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN THE CONSTRUCTION LIMITS WHETHER SHOWN ON THE PLANS OR NOT AND SHALL COORDINATE REPAIR, REPLACEMENT OR RELOCATION WITH THE APPROPRIATE UTILITY COMPANY AT NO COST TO THE OWNER.
9. THE CONTRACTOR IS REQUIRED BY LAW TO NOTIFY MISSISSIPPI ONE CALL @ 811 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO LOCATE ALL EXISTING UTILITIES ON ONSITE.
10. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR DEMOLISHING OR REMOVING ANY EXISTING ABOVE OR BELOW GROUND TELEPHONE, CABLE, POWER, OR GAS LINES BUT SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH ALL LOCAL UTILITY COMPANIES.
11. THE CONTRACTOR SHALL VERIFY ALL SHOWN DIMENSIONS AND ELEVATIONS (EXISTING AND PROPOSED) IN THE FIELD AND SHALL SATISFY HIMSELF AS TO THE ACCURACY BETWEEN WORK SET FORTH ON THESE PLANS AND THE WORK REQUIRED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
12. THE CONTRACTOR SHALL MARK THE CONSTRUCTION LIMITS AND REVIEW WITH THE ENGINEER/OWNER PRIOR TO PERFORMING ANY CLEARING OPERATIONS.
13. THE CONTRACTOR SHALL CAREFULLY PROTECT AND PRESERVE ALL SURVEY MARKERS OR MONUMENTS ENCOUNTERED DURING CONSTRUCTION.
14. THE CONTRACTOR SHALL UTILIZE TEMPORARY FENCING AS REQUIRED BY LOCAL, STATE AND FEDERAL CODES TO PROTECT AND INSURE A SAFE WORK AREA.
15. ALL MATERIAL THAT IS CONSIDERED UNSUITABLE FOR FILL MATERIAL SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
16. THE CONTRACTOR SHALL ESTABLISH A VEGETATIVE COVER (TEMPORARY AND/OR PERMANENT) IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS ON ALL AREAS WHERE THE EXISTING VEGETATION WAS REMOVED OR DISTURBED DURING CONSTRUCTION.
17. ALL TESTING SHALL BE DONE BY AN APPROVED TESTING LABORATORY AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COPIES OF ALL TEST RESULTS TO THE ENGINEER. IF TESTING IS NOT A PAY ITEM IT SHALL BE ABSORBED.
18. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO MATCH PRE–CONSTRUCTION CONDITION OR BETTER PRIOR TO COMPLETION OF THE PROJECT.
19. THE CONTRACTOR SHALL PLACE ALL EXCAVATED MATERIAL IN LOCATIONS TO PREVENT EROSION INTO DRAINAGEWAYS. ALL AREAS DISTURBED BY EXCAVATED MATERIAL PLACEMENT TO BE RESTORED TO ITS ORIGINAL CONDITION.
20. ALL EXCAVATIONS ARE TO BE BACKFILLED AT THE END OF EACH WORK DAY.
21. ALL FENCING, SIDEWALKS, CURBS, FLOWER BEDS, PLANTERS, ETC. THAT IS DAMAGED DURING CONSTRUCTION WILL BE REPLACED AND RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
22. THE CONTRACTOR SHALL KEEP ALL ROADS CLEAN OF MUD AND DEBRIS AT ALL TIMES. CONTRACTOR MUST ENSURE THAT ROADS ARE CLEAN PRIOR TO LEAVING THE SITE FOR THE DAY. ALL CLEANING AND MAINTENANCE SHALL BE ABSORBED.
23. THE CONTRACTOR SHALL CAREFULLY REMOVE, STORE AND REINSTALL ALL CITY/COUNTY/STATE OWNED SIGNS WHOSE REMOVAL IS REQUIRED BY HIS CONSTRUCTION WORK IN THE PROJECT AREA. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR THE APPROPRIATE AGENCY TO INSPECT ALL SIGNS SCHEDULED TO BE REMOVED PRIOR TO THEIR REMOVAL. ONCE SAID SIGNS HAVE BEEN REMOVED, IT WILL BE ASSUMED THAT THEY WERE IN GOOD CONDITION AT THE TIME OF REMOVAL. ANY SIGNS DAMAGED OR LOST BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE APPROPRIATE AGENCY.
24. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY AND ALL EXISTING STRUCTURES NECESSARY FOR COMPLETION OF WORK DESCRIBED IN THESE PLANS UNLESS OTHERWISE NOTED.
25. ALL GRADING WORK SHALL BE PERFORMED IN A MANNER TO PROMOTE POSITIVE DRAINAGE AND KEEP THE EXISTING DRAINAGE PATTERNS. NO GRADING WORK SHALL ADVERSELY AFFECT ADJACENT PROPERTY OWNERS.
26. PRIOR TO SUBMISSION OF ITS BID THE CONTRACTOR SHALL REVIEW THESE PLANS, THE ESTIMATED QUANTITIES FOR THE PRINCIPAL ITEMS OF WORK ON WHICH PAYMENT IS TO BE BASED, AND THE DOCUMENTS REFERENCED HEREIN. SUBMISSION OF ITS BID SHALL BE DEEMED A POSITIVE INDICATION THAT THE CONTRACTOR FOUND ALL OF SAME ADEQUATE FOR SUBMISSION OF A UNIT PRICE BID AND FOR INSTALLATION AND/OR CONSTRUCTION OF THE WORK.
27. STATIONING AND LENGTHS SHOWN (STREET AND UTILITY) IS HORIZONTAL STATIONING MEASURED ON A LEVEL PLANE. ACTUAL LENGTH SHALL BE DETERMINED BY MEASUREMENT ALONG THE SLOPE OR CURVE.
28. THE CONTRACTOR SHALL PROCURE ALL REQUIRED PERMITS AND LICENSES; PAY ALL FEES, CHARGES AND TAXES (INCLUDING SALES AND USE TAXES); GIVE ALL REQUIRED NOTICES; MAINTAIN AN ORDERLY AND SAFE FLOW OF TRAFFIC; MAINTAIN PROPER STORMWATER DRAINAGE; LOCATE AND AVOID DISRUPTING ALL EXISTING UTILITIES; TRANSPORT ALL EQUIPMENT AND MATERIALS AS REQUIRED BY ANY AGENCY HAVING JURISDICTION OVER ANY ROAD USE THEREOF; TRANSPORT, HANDLE AND INSTALL ALL MATERIALS IN ACCORDANCE WITH THEIR RESPECTIVE MANUFACTURER'S RECOMMENDATIONS AND PROJECT SPECIFICATIONS; PROPERLY BACKFILL ALL TRENCHES AND EXCAVATIONS; MAINTAIN A CLEAN AND ORDERLY WORK SITE; PROMPTLY REMOVE ALL EQUIPMENT, DEBRIS AND EXCESS SOILS AND/OR MATERIALS ON COMPLETION OF THE WORK; AND RESTORE TO SUBSTANTIALLY THE SAME OR BETTER CONDITIONS ALL DISTURBED PAVEMENTS AND GROUND SURFACES.
29. NO ACTIVITY REQUIRED FOR THE ACCOMPLISHMENT OF THE WORK IS TO BE PERFORMED WHEN SOIL CONDITIONS ARE NOT CONDUCIVE THEREFOR. DRAINAGE SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL CONDUCT ITS OPERATIONS AND ACTIVITIES IN SUCH A MANNER AS TO MINIMIZE THE EROSION OF SOILS AND THE DEPOSITION OF SEDIMENTS INTO EXISTING DRAINAGE COURSES DOWNSTREAM OF PROJECT WORK SITE OR ONTO ADJACENT PROPERTIES.
30. ELEVATIONS ARE BASED ON M.S.L. DATUM (NAVD 88).

SITE GRADING AND PAVING NOTES:

1. TECHNICAL SPECIFICATION FOR MATERIALS AND CONSTRUCTION METHODS FOR PAVING AND EARTHWORK FOR THIS PROJECT SHALL CONFORM TO THE LATEST EDITION OF MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THESE PLANS AND SPECIFICATIONS AND THE GEOTECHNICAL REPORT. SHOULD THERE BE ANY CONFLICTS BETWEEN THE NOTES STATED HEREIN, THE PROJECT SPECIFICATIONS, THE GEOTECHNICAL REPORT AND THE RFERENCED MDOT STANDARDS, THE GEOTECHNICAL REPORT SHALL GOVERN, FOLLOWED BY THE MDOT STANDARDS. ANY CONFLICTS NOT RESOLVED BY EITHER OF THESE DOCUMENTS SHALL BE DECIDED BY ARCHITECT/ENGINEER TO REFLECT HIS INTENTION.
2. EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING, AND THE STOCKPILING OF TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENTS, NON–STRUCTURAL FILLS, FINAL SHAPING AND TRIMMING TO THE LINES, GRADES AND CROSS SECTIONS SHOWN ON THE PLANS. ALL UNSUITABLE OR EXCESS MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER.
3. AS AN INITIAL STEP OF SITE PREPARATION, TREES AND VEGETATION WITHIN THE CONSTRUCTION LIMITS SHOULD BE REMOVED. TREE AND VEGETATION REMOVAL (CLEARING AND GRUBBING) WILL INCLUDE STUMPS AND ROOT SYSTEMS. HOLES CREATED BY TREE AND STUMP REMOVAL SHOULD BE BACKFILLED WITH SELECT FILL SOILS AND COMPACTED PER SPECIFICATIONS/AS DIRECTED BY ENGINEER.
4. AFTER CLEARING AND GRUBBING, STRIPPING (12" MINIMUM DEPTH) SHOULD BE PERFORMED TO A SUFFICIENT DEPTH WITHIN CONSTRUCTION AREAS TO REMOVE ORGANIC–LADEN SURFICIAL SOILS, VEGETATION, DEBRIS, BRUSH AND ROOTS (TOPSOIL). TOPSOIL EXCAVATED SHALL BE STOCKPILED ON THE SITE IN AREAS DESIGNATED BY THE ENGINEER UNTIL SUCH TIME THAT THIS TOPSOIL CAN BE USED FOR FINAL GRADING. THIS IS NOT A PAY ITEM, BUT SHALL BE AN ABSORBED COST.
5. ONCE CLEARING, GRUBBING, AND STRIPPING HAS BEEN COMPLETED THE CONTRACTOR SHALL EXCAVATE AREAS THAT ARE TO BE CUT TO REACH PLAN GRADE. CONTRACTOR SHALL THEN NOTIFY THE ENGINEER FOR A FIELD INSPECTION OF THE SUBGRADE PRIOR TO PLACEMENT OF ANY SELECT FILL. CONTRACTOR SHALL HAVE EQUIPMENT AVAILABLE TO PERFORM A PROOF ROLL OR FOR FURTHER EXCAVATION SHOULD THE ENGINEER DEEM NECESSARY. FINE–GRAINED SOILS EXPOSED AFTER STRIPPING, EXCAVATION AND UNDERCUTTING ARE SUSCEPTIBLE TO PUMPING AND/OR BECOMING UNSTABLE AND RUTTING EXCESSIVELY UNDER WET CONDITIONS. THE CONSTRUCTION TECHNIQUES, TYPES OF EQUIPMENT UTILIZED AND SITE DRAINAGE PROVIDED DURING CONSTRUCTION WILL HAVE A GREAT EFFECT ON THE PERFORMANCE OF THE FINE–GRAINED SOILS THROUGHOUT THE PROJECT. THE ROUTING OF RUBBER–TIRED EQUIPMENT SHOULD BE CONTROLLED TO MINIMIZE TRAFFIC OVER THE SITE. ALL TRAFFIC SHOULD BE DISCOURAGED DURING PERIODS OF INCLEMENT WEATHER.
6. UNDERCUTTING AND BACKFILLING WILL BE REQUIRED TO REMOVE EXPANSIVE CLAYS (CH) **IF PRESENT** AND CREATE THE RECOMMENDED SOIL BUFFER DESCRIBED BELOW AT BUILDING STRUCTURE LOCATIONS AS DIRECTED BY THE OWNER AND AT ALL PAVEMENT AND SIDEWALK LOCATIONS.
7. IMPORT SELECT FILL MATERIAL (PARKING & ACCESS DRIVES) SHALL CONSIST OF SELECT, NON–ORGANIC AND DEBRIS–FREE SILTY CLAYS (CL) HAVING A PLASTICITY INDEX (PI) WITHIN THE RANGE OF 8 TO 22 AND A LIQUID LIMIT LESS THAN 40. TO BE CLASSIFIED AS SILTY CLAYS (CL) THE FILL MATERIALS MUST HAVE MORE THAN 70% FINES PASSING THE NUMBER 200 SIEVE.
7. IMPORT SELECT, STRUCTURAL FILL MATERIAL SHALL CONSIST OF SELECT, NON–ORGANIC AND DEBRIS–FREE SILTY CLAYS (CL) HAVING A PLASTICITY INDEX (PI) WITHIN THE RANGE OF 8 TO 20 AND A LIQUID LIMIT LESS THAN 40. TO BE CLASSIFIED AS SILTY CLAYS (CL) THE FILL MATERIALS MUST HAVE MORE THAN 70% FINES PASSING THE NUMBER 200 SIEVE.
8. RECOMMENDED SOIL BUFFER FOR THE BUILDINGS TO EXTEND LATERALLY NOT LESS THAN 3' BEYOND THE STRUCTURE LIMITS.
9. RECOMMENDED SOIL BUFFER FOR PAVEMENT AND SIDEWALK IS TO BE 3' THICK AND EXTEND LATERALLY NOT LESS THAN 3' BEYOND PAVEMENT, SIDEWALK EDGES.
10. FILL SOILS SHOULD BE COMPACTED IN LIFTS NOT EXCEEDING 8" IN LOOSE THICKNESS TO NOT LESS THAN 98% OF THE STANDARD PROCTOR DENSITY (ASTM D–698–91) AT MOISTURE CONTENTS WITHIN 2 PERCENTAGE POINTS OF THE OPTIMUM WATER CONTENT. STABILITY MUST BE EVIDENT DURING COMPACTION OF EACH LIFT BEFORE ANY SUBSEQUENT LIFTS OF FILL MATERIAL ARE ADDED.
11. FIELD MOISTURE/DENSITY TESTS SHALL BE PERFORMED FREQUENTLY IN THE SCARIFIED AND COMPACTED ON–SITE SOILS AND IN EACH COMPACTED LIFT OF FILL MATERIAL. TESTS TO BE PERFORMED A MINIMUM OF ONE TEST PER LIFT FOR EACH 2,000 S.F. OF SURFACE AREA FOR THE BUILDING PAD CONSTRUCTION AND ONE TEST PER LIFT FOR EACH 5,000 S.F. OF SURFACE AREA FOR THE PARKING LOT AND DRIVEWAYS. TEST RESULTS TO BE FAXED TO BENCHMARK ENGINEERING & SURVEYING, LLC AT 601–591–0711. A PROOF ROLL OF THE SUB–GRADE FOR THE CURB AND PARKING LOT IS ALSO REQUIRED PRIOR TO PLACEMENT OF CURB & GUTTER AND ASPHALT BASE. CONTRACTOR SHALL NOTIFY ENGINEER AT A MINIMUM OF 48 HOURS PRIOR.
12. THE GRADING AND CONSTRUCTION OF THE SITE IMPROVEMENTS SHALL NOT CAUSE THE PONDING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE. POSITIVE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.
13. THE CONTRACTOR SHALL TAKE SPECIAL CARE IN GRADING NEAR TREES, BUSHES AND SHRUBS WHICH ARE NOT TO BE REMOVED SO AS NOT TO CAUSE INJURY TO ROOTS OR TRUNKS.
14. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATION NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO THESE EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
15. PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED ITEMS (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS SHOWN.
16. STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND IF DAMAGED, SHALL BE REPLACED PROMPTLY.

WATER & SEWER NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS AND PROJECT SPECIFICATIONS.
2. THE CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND APPURTENANCES NECESSARY FOR THE COMPLETE INSTALLATION OF THE WATER AND SEWER UTILITIES.
3. THE CONTRACTOR SHALL MAKE ALL TIES TO EXISTING UTILITIES AND COORDINATE THEM WITH THE CITY OF VICKSBURG PUBLIC WORKS DEPARTMENT.
4. ALL MANHOLES, FIRE HYDRANTS, VALVE BOXES, ETC. LOCATED IN PROJECT AREA SHALL BE ADJUSTED TO PROPER LINE AND FINISHED GRADE BY THE CONTRACTOR AFTER PLACING OF PAVEMENT AND BEFORE FINAL ACCEPTANCE.
5. TRENCHING AND EMBEDMENT WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS AND SHALL FOLLOW THE TYPICAL CROSS–SECTION DETAIL FOR TRENCHING. UNLESS SPECIFIED OTHERWISE, BACKFILL MATERIAL SHALL BE COMPACTED TO 96% DENSITY OF STANDARD PROCTOR IN ACCORDANCE WITH ASTM D–698. ALL BACKFILL MATERIAL SHALL BE COMPACTED IN 6" LAYERS.
6. THE END OF WATER AND SEWER SERVICE LINES SHALL BE TIGHTLY CAPPED OR PLUGGED AND MARKED UNTIL SUCH TIME AS SERVICE CONNECTIONS ARE MADE OR LINES OR EXTENDED.
7. ALL WATER AND SANITARY SEWER LINES SHALL BE INSTALLED WITH A MINIMUM OF THREE FEET (3') OF COVER OVER THE TOP OF THE PIPE AT FINISHED GRADE OR AS SHOWN OR NOTED OTHERWISE. WHERE INSTALLED IN A ROADWAY SECTION THE MINIMUM COVER OVER THE TOP OF THE PIPE SHALL BE FOUR FEET (4'). BACKFILL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 98% STANDARD PROCTOR DENSITY.
8. WATER LINE SHALL BE INSTALLED TO MAINTAIN A MINIMUM CLEARANCE OF 12" BELOW OR ABOVE EXISTING OR PROPOSED STORM DRAIN PIPING AND STRUCTURES THAT ARE PARALLEL TO OR INTERSECT THE WATER MAIN WHILE MAINTAINING THE MINIMUM COVER REQUIREMENTS.
9. TEN FEET (10') OF HORIZONTAL CLEARANCE IS REQUIRED BETWEEN ALL WATER AND SEWER LINES. AT LOCATIONS WHERE THE WATER AND SEWER LINES MUST CROSS EACH OTHER THERE SHALL BE A MINIMUM CLEARANCE OF 18" WITH THE WATER PASSING OVER THE SEWER. IF THESE SEPARATIONS CANNOT BE MET, THE SEWER LINE SHALL BE CONSTRUCTED TO THE SAME SPECIFICATIONS AS THE WATER LINE AND BE WATER TIGHT UNTIL SUCH A POINT WHERE MINIMUM SEPARATION CAN BE MET. WHERE GRAVITY FLOW SEWERS CROSS ABOVE WATER LINES, THE SEWER PIPE FOR A DISTANCE OF TEN (10') FEET, EACH SIDE OF THE CROSSING, EITHER SHALL BE DUCTILE IRON PRESSURE PIPE WITHOUT ANY JOINT CLOSER THAN THREE (3') FEET TO THE CROSSING, OR SHALL BE FULLY ENCASED IN CONCRETE.
10. ALL SANITARY SEWER SERVICES SHALL BE MARKED WITH A "Y" CUT INTO THE FACE OF THE CURB.
11. ALL WATER SERVICE LINES SHALL BE INSTALLED 10' TO THE UPHILL SIDE OF THE SEWER SERVICE LINE UNLESS OTHERWISE SHOWN. SERVICE LINE LOCATION TO BE MARKED WITH A "W" CUT INTO THE FACE OF THE CURB.
12. FIRE HYDRANT MAKE AND MODEL SHALL BE APPROVED BY THE CITY OF VICKSBURG PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLATION. FIRE HYDRANTS SHALL BE PAINTED WHITE.
13. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING THE WATER AND SEWER SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL NOTIFY THE ENGINEER AND THE CITY OF VICKSBURG PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF PERFORMING ANY TESTS. A COPY OF ALL TEST RESULTS SHALL BE FAXED TO BENCHMARK ENGINEERING & SURVEYING, LLC @ 601–591–0711.
14. FITTINGS SHALL BE OF MECHANICAL JOINT TYPE AND SHALL BE RESTRAINED BY THE USE OF MEGA–LUGS AND CONCRETE THRUST BLOCKING. MEGA–LUGS AND THRUST BLOCKS ARE ABSORBED IN THE PER FOOT OF PIPE OR IN THE FITTINGS PAY ITEM.
15. THE LENGTHS OF THE SANITARY SEWER LINES ARE MEASURED FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
16. FITTINGS FOR ALL APPLICATIONS OF WATER AND SEWER LINES WHICH ARE NOT AN ITEMIZED PAY ITEM SHALL BE AN ABSORBED COST.
17. ALL DISCONNECTIONS OR CONNECTIONS TO EXISTING WATER AND SEWER SYSTEM SHALL BE MADE DURING OFF–PEAK PERIODS AND COORDINATED WITH THE CITY OF VICKSBURG.

STORM DRAIN NOTES:

1. TECHNICAL SPECIFICATIONS FOR STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE LATEST EDITION OF MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION.
2. JOINTS SHALL BE CONSTRUCTED AND JOINTED TOGETHER IN SUCH A MANNER THAT NO SPILL THROUGH OF BACKFILL WILL OCCUR.
3. ALL CORRUGATED PLASTIC PIPE (C.P.P.) SHALL BE HP PIPE AS MANUFACTURED BY ADS OR APPROVED EQUAL.
4. CONTRACTOR SHALL PROVIDE DRAIN HOLES OR BLOCK OUTS AT ALL CURB INLETS (TO BE GROUTED IN WHEN FINAL SURFACE COURSE IS APPLIED).
5. THE LENGTH OF THE STORM DRAIN LINES ARE MEASURED FROM THE CENTER OF THE INLET/JUNCTION BOX TO THE CENTER OF THE INLET/JUNCTION BOX.
6. OPEN OUTLET ENDS OF CORRUGATED PLASTIC PIPE TO BE ANCHORED SECURELY INTO GROUND.
7. INLET/JUNCTION BOX SIZES TO BE DETERMINED BY CONTRACTOR OR MANUFACTURER BASED ON THE PIPE SIZES AND THE ENTRY/EXIT ANGLE OF THE CULVERTS.
8. CURB INLET TOPS SHALL MATCH THE LONGITUDINAL SLOPE OF THE ROADWAY/CURB WHEN COMPLETE.
9. CURB INLET TOPS SHALL NOT BE SECURED/POURED UNTIL THE CURB HAS BEEN INSTALLED. JUNCTION BOX AND GRATE INLET TOPS SHALL NOT BE SECURED UNTIL FINAL GRADING HAS TAKEN PLACE.
10. JUNCTION BOX AND GRATE INLET TOPS TO BE FIELD ADJUSTED ONCE FINAL GRADING HAS TAKEN PLACE.

EROSION CONTROL NOTES:

1. "TEMPORARY EROSION CONTROL" PAY ITEM INCLUDES ALL ITEMS SHOWN ON THE CONTRACT DRAWINGS AND ALL ITEMS REQUIRED TO STAY IN COMPLIANCE WITH THE REQUIREMENTS OF THE CITY OF VICKSBURG AND THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ).
2. EROSION CONTROL ITEMS DEPICTED ON THE CONTRACT DRAWINGS ARE THE MINIMUM REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO INSTALL ADDITIONAL ITEMS AS NEEDED TO MEET ABOVE MENTIONED REQUIREMENTS.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO CONTROL EROSION AND STORM WATER POLLUTION THROUGHOUT THE CONSTRUCTION PERIOD IN ACCORDANCE WITH THE REQUIREMENTS OF THE MDEQ. THIS INCLUDES BUT IS NOT LIMITED TO PROPER INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT MEASURES, INSPECTIONS, INSPECTION REPORTS, AND UPDATES TO EROSION CONTROL PLAN SHOWING FAILURES, REPAIRS AND ADDITIONAL MEASURES TAKEN.
4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE ANY CONSTRUCTION ACTIVITIES BEGIN.
5. CLEARING AND GRUBBING SHALL BE HELD TO THE MINIMUM WIDTH NECESSARY TO ACCOMMODATE IMPROVEMENTS.
6. EMBANKMENTS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED TO MINIMIZE EROSION.
7. WATTLE EROSION CHECKS, SILT FENCING OR OTHER APPROVED BMPS SHALL BE USED ALONG THE TOE OF FILL SLOPES, IN DITCHES, AND IN OTHER AREAS WHERE EROSION IS A PROBLEM AND SILT LADEN RUNOFF MAY ENTER A STREAM, DITCH OR ADJACENT PROPERTY.
8. ANY STOCKPILED SOIL OR FILL MATERIAL SHALL BE LOCATED AND TREATED IN A MANNER TO PREVENT SILT FROM ENTERING STREAMS, DITCHES OR ADJACENT PROPERTY. NO EXCAVATED MATERIAL SHALL BE DISCHARGED FROM THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL IN A LOCATION APPROVED BY THE ENGINEER.
9. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONTINUALLY MAINTAINED. THE CONTRACTOR SHALL KEEP ALL AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION FREE OF MUD AND DEBRIS.
10. CONTRACTOR SHALL COMPLY WITH THE EROSION CONTROL REQUIREMENTS OF THE CITY OF VICKSBURG AND THE REQUIREMENTS OF THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY.
11. CONTRACTOR TO UTILIZE APPROVED BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL.
12. ALL DISTURBED AREAS NOT PAVED SHALL BE SEEDED, MULCHED, FERTILIZED AND WATERED AS REQUIRED TO PREVENT EROSION.
13. ALL EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE DISTURBED UPSTREAM AREA HAS BEEN INSPECTED BY THE ENGINEER AND APPROVAL HAS BEEN GIVEN FOR REMOVAL.
14. CONTRACTOR WILL PROVIDE A STORAGE AREA FOR ALL POTENTIALLY TOXIC MATERIALS THAT ARE TO BE STORED ON SITE. THE LOCATION OF THIS AREA SHALL BE COORDINATED WITH THE ENGINEER/CITY OF VICKSBURG.
15. FUEL AND MATERIAL STORAGE AREAS SHALL BE LOCATED AS FAR AWAY FROM ANY DITCHES OR STREAMS AS POSSIBLE. A 60MIL POLYETHYLENE LINER IS REQUIRED UNDER FUEL TANKS.
16. CONTRACTOR WILL BE RESPONSIBLE FOR ANY REPAIRS OR REPLACEMENT REQUIRED TO RESTORE AREAS TO THEIR ORIGINAL CONDITION WHERE EROSION CONTROL MEASURES FAILED.

FOR CONSTRUCTION

STANDARD ABBREVIATIONS, SYMBOLS & LINETYPES

ABBREVIATIONS

#	POUND
ASSY.	ASSEMBLY
AVG.	AVERAGE
B.F.E.	BASE FLOOD ELEVATION
BLDG.	BUILDING
BM	BENCHMARK
C	CHORD LENGTH
℄	CENTERLINE
CI	CURB INLET
CONC.	CONCRETE
CONST.	CONSTRUCTION
C.M.P.	CORRUGATED METAL PIPE
C.P.P.	CORRUGATED PLASTIC PIPE
C.Y.	CUBIC YARD
DIA.	DIAMETER
D.I.P.	DUCTILE IRON PIPE
DBL.	DOUBLE
DWG	DRAWING
EA.	EACH
EASE.	EASEMENT
EP	EDGE OF PAVEMENT
EX.	EXISTING
EXIST.	EXISTING
EXT.	EXTENSION
E.W.	EACH WAY
F.E.S.	FLARED END SECTION
F.F.E.	FINISHED FLOOR ELEVATION
FL	FLOWLINE (EQUALS INVERT)
FM	SANITARY SEWER FORCE MAIN
GV	GATE VALVE
GI	GRATE INLET
HORIZ.	HORIZONTAL
HWY.	HIGHWAY
HYD.	HYDRANT
INV.	INVERT (EQUALS FLOWLINE)
JB	JUNCTION BOX
LB	POUND
L.F.	LINEAR FEET (HORIZONTAL)
MAX.	MAXIMUM
MH	SANITARY SEWER MANHOLE
MIN.	MINIMUM
MJ	MECHANICAL JOINT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
PC	POINT OF CURVATURE
PERM.	PERMANENT
PI	POINT OF INTERSECTION
PROP.	PROPOSED
PT	POINT OF TANGENCY
R	RADIUS
R.C.P.	REINFORCED CONCRETE PIPE
R.C.A.P.	REINFORCED CONCRETE ARCH PIPE
RD.	ROAD
REQ'D.	REQUIRED
RET. WALL	RETAINING WALL
R.O.W./ROW	RIGHT OF WAY
RR	RAILROD
SD	STORM DRAIN
SHLDR.	SHOULDER
SS	SANITARY SEWER
STA.	STATION
STD.	STANDARD
S.Y.	SQUARE YARD
T	TANGENT LENGTH
TBC	TOP BACK OF CURB
TBM	TEMPORARY BENCHMARK
TEMP.	TEMPORARY
TOE	TOE OF SLOPE
TOP	TOP OF BANK
TP	TOP OF PAVEMENT (ALL TYPES)
TPL.	TRIPLE
TS	TOP OF SIDEWALK
TYP.	TYPICAL
VERT.	VERTICAL

SYMBOLS

●	PROP. SS MH
○ C.O.	PROP. SS CLEANOUT
⊡	PROP. CI (SINGLE)
⊡	PROP. CI (SINGLE EXT.)
⊡	PROP. CI (DBL. EXT.)
▦	PROP. GRATE INLET
◎	PROP. JB
✱	PROP. FIRE HYDRANT ASSY.
GV	PROP. GATE VALVE ASSY.
304.60 TW	PROP. SPOT ELEV. TOP OF WALL
304.60	PROP. SPOT ELEV.
TBM	TEMP. BM
WM	PROP. WATER METER ASSY.
BF	PROP. BACKFLOW ASSY.
○ PP	EX. POWER POLE
SS	EX. SS MH
LS	EX. SS LIFT STATION
⋈	EX. GATE VALVE ASSY.
WM	EX. WATER METER ASSY.
○ S.I.P.	SET IRON PIN
○ F.I.P.	FOUND IRON PIN
BH–1	BORE HOLE LOCATION
⊡	EX. CI
⊡	EX. CI (SINGLE EXT.)
⊡	EX. CI (DBL. EXT.)
▦	EX. GRATE INLET
MH–3	PROP. SS MH LABEL
CI–3	PROP. SD STRUCTURE LABEL
✱	EX. FIRE HYDRANT ASSY.
◁	PROP. F.E.S.
◁	EX. F.E.S.
◡	PROP. WATTLE
▨	F.E.S. INLET PROTECTION
▬	PROP. CI PROTECTION ON SLOPE
▬	PROP. CI PROTECTION IN SAG
◉	PROP. GI PROTECTION

HATCHES

▢	FLOOD ZONE AE
■	FLOOD ZONE X
▨	LIGHT DUTY ASPHALT
▨	HEAVY DUTY ASPHALT
▨	BLDG.
▨	CONC.
▨	RIP–RAP
▨	CONST. ROAD
▨	GRASS SEED REQ'D.

LINETYPES

— – – —	EX. ADJACENT PROPERTY LINE
— ATT —	EX. AT&T LINE
— — —	EX. BLDG. LINE
— - — -	EX. ℄ ROAD
— UGC —	EX. COMCAST UNDERGROUND
– – – –	EX. CONC.
=======	EX. CULVERT
=======	EX. CURB
—— – ——	EX. DITCH ℄
– – – –	EX. EASE.
– – – –	EX. EDGE OF GRAVEL
– – – –	EX. EP
—×—×—	EX. FENCE BARBED WIRE
— X —	EX. FENCE CYCLONE
—○—○—	EX. FENCE WROUGHT IRON
—□—□—	EX. FENCE WOOD
— FOC —	EX. FIBER OPTIC
— GAS —	EX. GAS LINE
— 300 —	EX. GROUND CONTOUR LINE
– – – –	EX. LANDSCAPING
— OHP —	EX. POWER (OVERHEAD)
— UGP —	EX. POWER (UNDERGROUND)
— — · —	EX. RET. WALL
—·—·—	EX. R.O.W.
┼┼┼┼	EX. RR TRACKS
– – – –	EX. SIDEWALK
— EXSS —	EX. SS
——	EX. STRIPING
— TOE —	EX. TOE SLOPE
— TOP —	EX. TOP BANK
⌒⌒⌒⌒	EX. TREE LINE
— ··· —	EX. WATER'S EDGE
— EXW —	EX. WATER LINE
— BFE 300 —	BASE FLOOD ELEVATION LINE & ELEV.
— FW —	FLOODWAY LINE
—··—··—	FLOOD ZONE LINE
——	PROP. EP
—▭—	PROP. CASING
—— – ——	PROP. CENTERLINE
—— – – ——	PROP. CLEARING LIMITS
═══	PROP. CURB
– – – –	PROP. EASE.
—×—×—	PROP. FENCE BARBED WIRE
— X —	PROP. FENCE CYCLONE
—○—○—	PROP. FENCE WROUGHT IRON
—□—□—	PROP. FENCE WOOD
— 300 —	PROP. FINISHED GRADE CONTOUR LINE
— · — · —	PROP. SHOULDER
— GAS —	PROP. GAS LINE
—— - - ——	PROP. PHASE LINE
— P/L —	PROP. PROPERTY
—^—^—	PROP. RET. WALL
——	PROP. R.O.W.
═══	PROP. SD CULVERT
—··—··—	PROP. SETBACKS
——	PROP. SIDEWALK
— SF —	PROP. SILT FENCE
— FM —	PROP. SS FM
— 8SS —	PROP. SS LINE
S ——	PROP. SS SERVICE LINE
— ·· —►	PROP. SWALE/DRAIN PATH
— — · —	PROP. WATER EDGE
— 8W —	PROP. WATER LINE
W — - - —	PROP. WATER SERVICE LINE

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REVISIONS:

DATE: 05/03/19
DRAWN: BCB
CHECKED: GAB
SCALE: 1"=1'
REF C/L:
EG SURFACE:
FG SURFACE:

PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

PROJECT:
HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS:
GENERAL CONSTRUCTION NOTES

SHEET NUMBER
C101

PROJECT NUMBER
B-5657

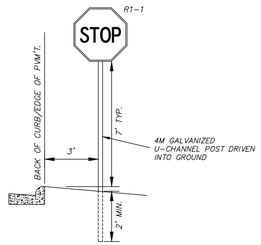
FOR CONSTRUCTION

VAN ACCESSIBLE(GREEN AND BLUE ON WHITE)

NOTES:

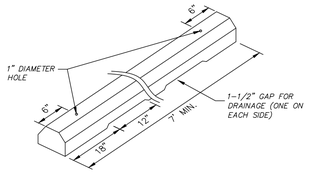
1. ALL PAVEMENT MARKINGS SHALL BE BLUE. (CURB FACE OR PARKING BLOCKS SHALL BE PAINTED BLUE.)
2. PARKING BLOCKS REQUIRED WHERE NO CURB EXIST TO PROTECT SIGN.
3. ALL STRIPING AND SIGNAGE (HEIGHT, LOCATION, COLORS, ETC.) TO MEET ADA & CITY REQUIREMENTS.

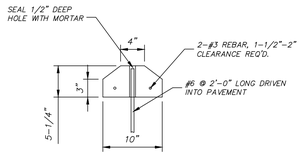
TYPICAL HANDICAPPED SIGNAGE DETAIL



TRAFFIC SIGN INSTALLATION

N.T.S.



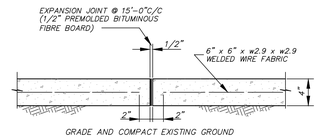


NOTES:

1. CONCRETE SHALL BE 4,000psi AT 28 DAYS
2. WHEEL STOPS SHALL BE 7' OR 8' IN LENGTH
3. WHEEL STOPS REQUIRED ON ALL PARKING SPACES ADJACENT TO PROPOSED CONCRETE PAVED DITCH.
4. ADDITIONAL DESIGNS WILL BE CONSIDERED BUT MUST BE SUBMITTED FOR APPROVAL PRIOR TO BIDDING.

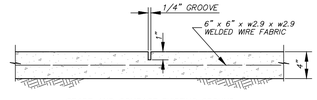
PRECAST CONCRETE WHEEL STOP

N.T.S.



SIDEWALK EXPANSION JOINT DETAIL

N.T.S.



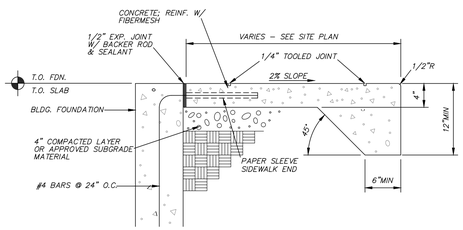
SIDEWALK CONTRACTION JOINT DETAIL

N.T.S.

NOTE: SIDEWALK TO BE SLOPED AWAY FROM BUILDING

SIDEWALK JOINT LAYOUT DETAIL

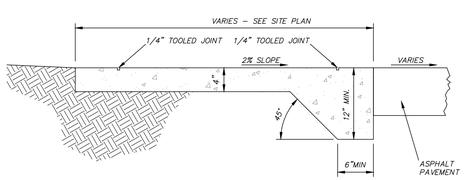
N.T.S.



NOTE: TOOLED JOINTS TO BE EQUALLY SPACED

SIDEWALK AT BACK OF BUILDING

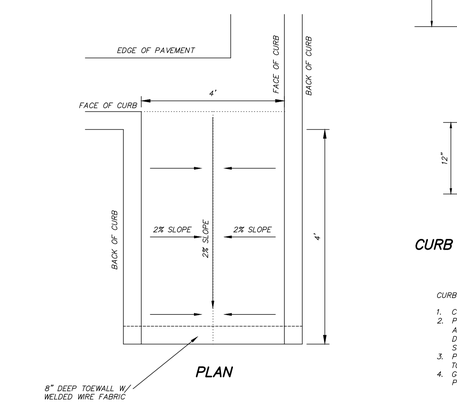
N.T.S.



NOTE: TOOLED JOINTS TO BE EQUALLY SPACED

SIDEWALK FLUSH w/ ASPHALT PAVEMENT

N.T.S.



PLAN

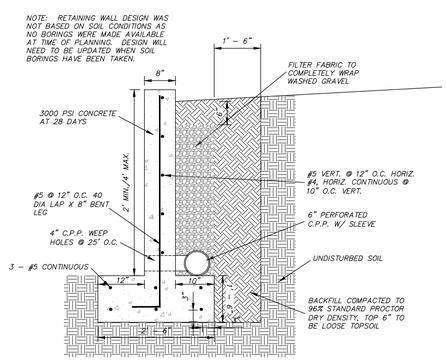
8" DEEP TOEWALL W/ WELDED WIRE FABRIC

PAVED FLUME NOTES:

1. CONCRETE SHALL BE A MINIMUM OF 3000psi (28 DAY COMPRESSIVE STRENGTH)..
2. ALL CONCRETE CONSTRUCTION AND MATERIALS SHALL MEET THE APPLICABLE REQUIREMENTS OF THE MISSISSIPPI STANDARD SPECIFICATIONS OF ROAD AND BRIDGE CONSTRUCTION.
3. NO CURB TO BE INSTALLED ON FLUMES AT TIE IN TO GREENFIELD ROAD. TRANSITIION CURB IN RADIUS PER DETAIL ON SHEET C1.1.

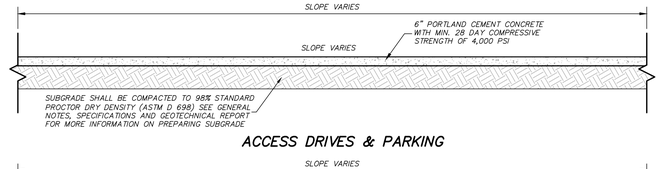
PAVED FLUME

N.T.S.

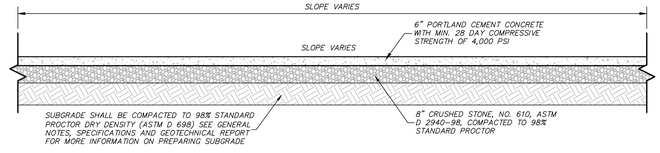


RETAINING WALL

N.T.S.



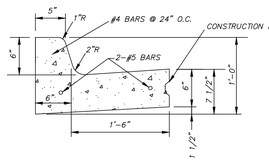
ACCESS DRIVES & PARKING



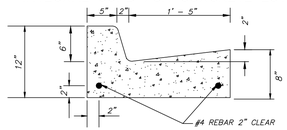
DUMPSTER PAD

NOTE: CONCRETE PAVING SHALL BE NON-REINFORCED PORTLAND CEMENT CONCRETE WITH A MINIMUM 28-DAY FLEXURAL STRENGTH OF 650 PSI AND A COMPRESSIVE STRENGTH OF 4,000 PSI. JOINT SPACING, JOINT CONFIGURATION, MIX DESIGN, MIX PLACEMENT, AND CURING SHOULD CONFORM TO THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI) AND THE PORTLAND CEMENT ASSOCIATION (PCA).

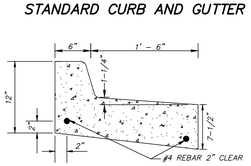
TYPICAL SECTION OF RIGID PAVEMENT STRUCTURE FOR PARKING LOT & DUMPSTER PAD



INTEGRAL CURB FOR CONCRETE LOTS



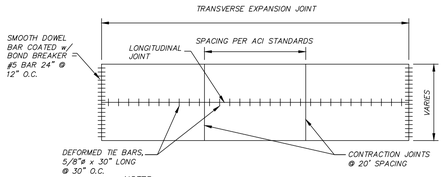
STANDARD CURB AND GUTTER



CURB AND REVERSED GUTTER, STANDARD CURB - MODIFIED

CURB AND GUTTER NOTES:

1. CURB AND GUTTER SHALL BE 3000 PSI MINIMUM CONCRETE.
2. PROVIDE EXPANSION JOINTS WITH 1/2" EXPANSION MATERIAL AT INTERVALS NOT TO EXCEED SIXTY (60') FEET. TWO 3/4" DOWEL BARS HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS, 15" IN LENGTH REQ'D. AT EXPANSION JOINTS.
3. PROVIDE CONTRACTION JOINTS IN THE CURB AND GUTTER TOOLED 1/4" AT INTERVALS NOT TO EXCEED TEN (10') FEET.
4. GUTTER SECTION TO MATCH CROSS SLOPE OF ADJACENT PAVEMENT TO PROMOTE POSITIVE DRAINAGE.

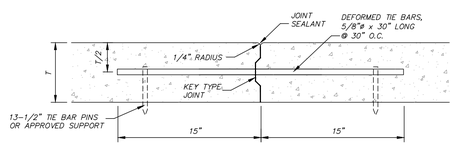


NOTES:

1. LONGITUDINAL JOINTS REQUIRED ON PAVEMENT THAT IS 24' OR WIDER AND IS TO BE CENTERED.
2. SEE DETAILS FOR MORE INFORMATION OF JOINT CONSTRUCTION AND DOWEL BARS.
3. KEY TYPE JOINT SHALL BE USED ON ALL LONGITUDINAL JOINTS WHEN ADJACENT LANE IS NOT POURED AT THE SAME TIME.

TYPICAL JOINT SPACING FOR RIGID PAVEMENT

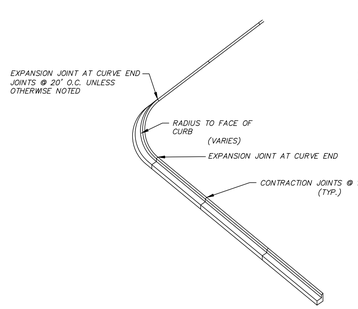
N.T.S.



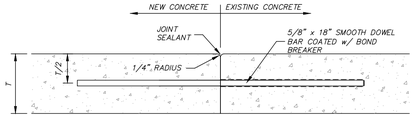
NOTES:

1. KEY TYPE JOINT SHALL BE USED ON ALL LONGITUDINAL CONSTRUCTION JOINTS WHEN ADJACENT LANE IS NOT POURED AT THE SAME TIME
2. ALTERNATIVE METHODS FOR KEY TYPE JOINT SHALL BE PRESENTED TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

CONSTRUCTION JOINT DETAIL



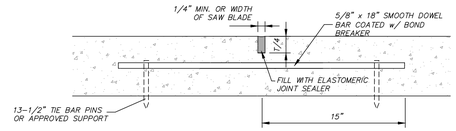
CURBING DETAILS ISLANDS AND ANGLES



NOTES:

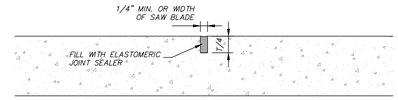
1. REQUIRED AT ALL LOCATIONS WHERE PROPOSED PAVEMENT TIES TO EXISTING PAVEMENT UNLESS OTHERWISE NOTED.
2. DRILL HOLE INTO EX. CONCRETE PAVEMENT TO LENGTH REQUIRED, USE CHEMICAL ADHESIVE TO BAR TO EXISTING CONCRETE
3. DOWEL BAR LOCATION TO MATCH TIE BAR SPACING WHERE APPLICABLE, MINIMUM SPACING OF 18".
4. 1/4" RADIUS NOT REQ'D. ON EXISTING CONCRETE IF NOT ALREADY THERE.
5. SEE DETAILS FOR PAVEMENT THICKNESS.

PROPOSED CONCRETE PAVEMENT TO EXISTING CONCRETE PAVEMENT DETAIL



LONGITUDINAL JOINT DETAIL

N.T.S.

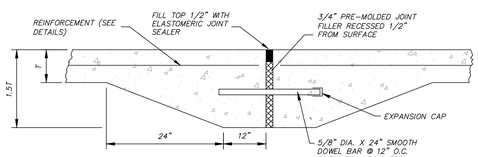


NOTE:

1. CONTRACTION JOINTS TO BE SAWED, MAXIMUM 20' INTERVAL

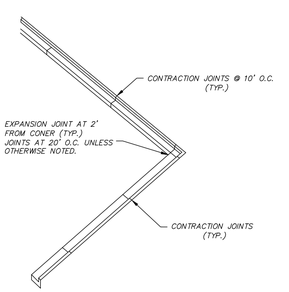
CONTRACTION JOINT DETAIL

N.T.S.



TRANSVERSE EXPANSION JOINT DETAIL

N.T.S.



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REVISIONS:

DATE: 05/03/19
DRAWN: BCB
CHECKED: GAB
SCALE: 1"=1'
REF C/L:
EG SURFACE:
FG SURFACE:

PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

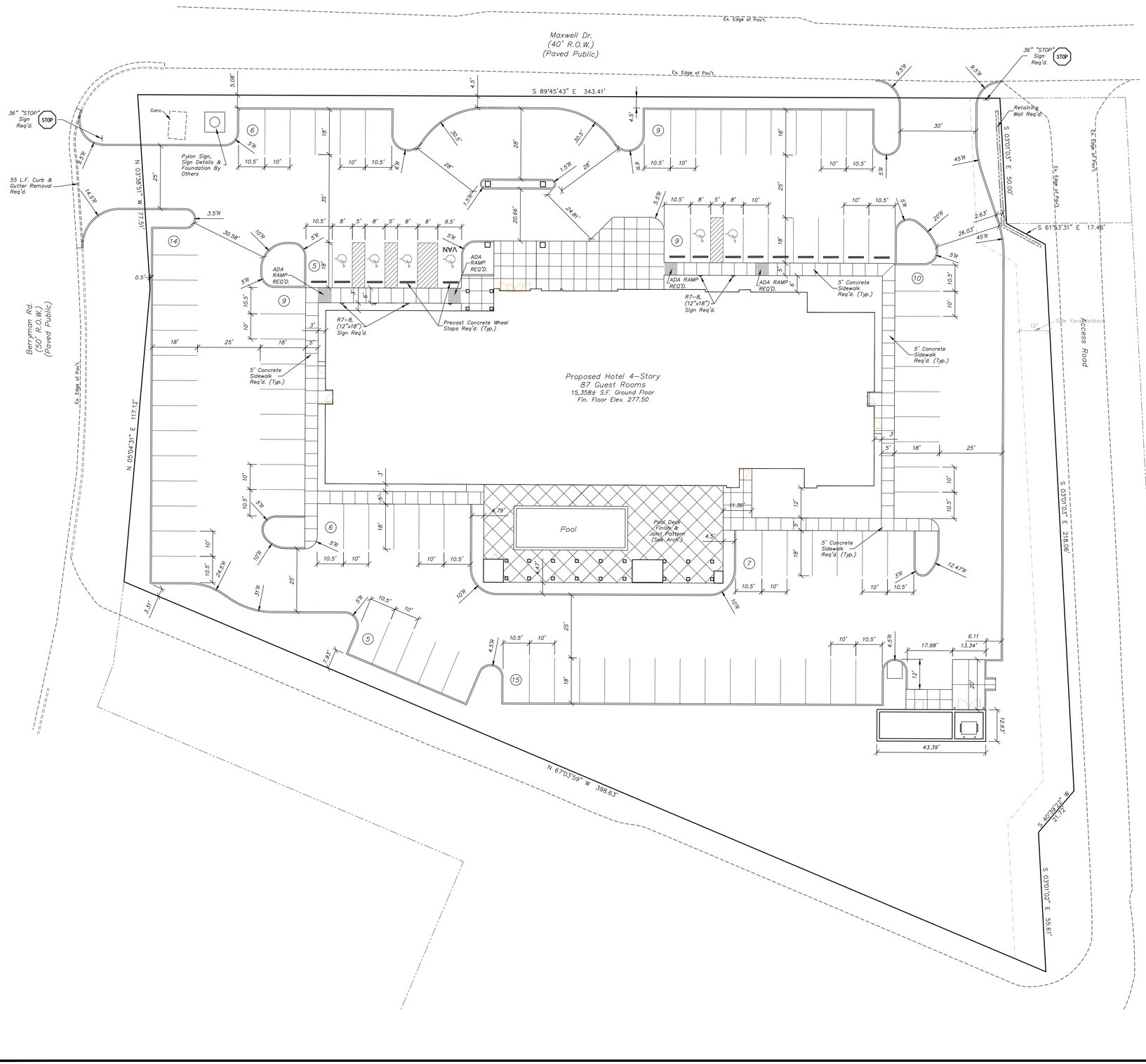
PROJECT:
HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS:
TYPICAL SECTION & MISCELLANEOUS DETAILS

SHEET NUMBER
C102

PROJECT NUMBER
B-5657

FOR CONSTRUCTION



PROJECT SITE INFORMATION:

CURRENT ZONING – C-4, GENERAL COMMERCIAL DISTRICT

MINIMUM SETBACK REQUIREMENTS:

FRONT = 0', SIDE = 12', REAR = 0'

TOTAL ACREAGE: 2.26 ac (98,524.34 ± s.f.)

ACREAGE BREAKDOWN:

BUILDING – 0.379 ac (16,516± s.f.), 16.763%
SIDEWALKS – 0.185 ac (8,070± s.f.), 8.191%
NEW DRIVES/PARKING – 1.076 ac (46,852± s.f.), 47.554%
GREEN AREA – 0.622 ac (27,086.34± s.f.), 27.492%

PARKING COUNT – 95 INCLUDING 6 HANDICAPPED

NOTES:

1. RADIAL DIMENSIONS ARE MEASURED FROM THE BACK OF CURB OR EDGE OF PAVEMENT IF NO CURB REQUIRED.
2. PARKING LOT DIMENSIONS ARE TO THE FACE OF CURB OR EDGE OF PAVEMENT IF NO CURB REQUIRED.
3. SEE ARCHITECTURAL PLANS FOR MORE DETAILS ON THE BUILDINGS.
4. PARKING SPACE STRIPING SHALL BE 4" MINIMUM WIDTH.
5. ALL STRIPING SHALL BE FAST DRYING SOLVENT BASED TRAFFIC PAINT FOR USE ON BITUMINOUS AND PORTLAND CEMENT CONCRETE PAVEMENT. PAINT SHALL MEET THE REQUIREMENTS OF SECTION 710 OF THE LATEST EDITION OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. PAINT SHALL BE APPLIED WITH MECHANICAL EQUIPMENT TO PRODUCE PAVEMENT MARKINGS, OF DIMENSIONS AND COLORS INDICATED, WITH UNIFORM STRAIGHT EDGES. APPLY AT MANUFACTURER'S RECOMMENDED RATES TO PROVIDE A MINIMUM WET FILM THICKNESS OF 15 MILS AND ONLY AT MANUFACTURER'S RECOMMENDED AMBIENT AND SURFACE TEMPERATURES.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

BENCHMARK
ENGINEERING & SURVEYING, LLC
101 Highpointe Court, Suite B, Brandon, Mississippi 39042
Office: 601-591-1077 Fax: 601-591-0711
E-mail: gbonis@benchmarkms.net

REVISIONS:

DATE: 07/31/19 | DRAWN: BCB
CHECKED: GAB | SCALE: 1"=20'
REF C/L:
EG SURFACE:
FG SURFACE:

PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

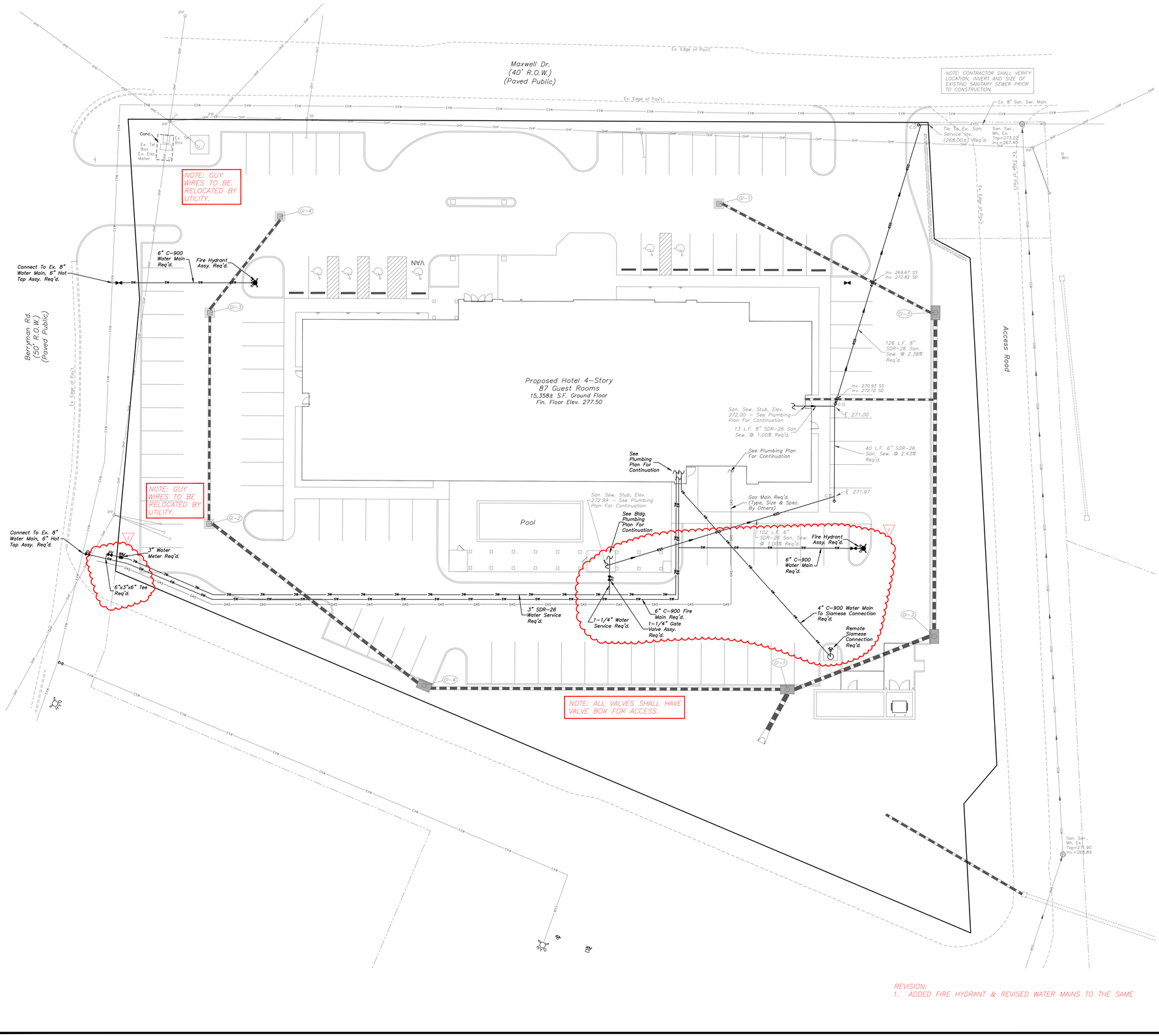
PROJECT:
HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS:
GEOMETRIC LAYOUT

SHEET NUMBER
C200

PROJECT NUMBER
B-5657

FOR CONSTRUCTION



NOTES:

1. SEE CONSTRUCTION NOTES ON SHEET C101 & PROJECT SPECIFICATIONS FOR MORE INFORMATION.
2. EXISTING UTILITIES SHOWN SHALL BE CONSIDERED APPROXIMATE. ADDITIONAL UTILITY LINES THAT ARE NOT SHOWN ON THE DRAWING MAY LIE WITHIN THE PROJECT AREA. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL AT 811 FOR A UTILITY LOCATE PRIOR TO BEGINNING CONSTRUCTION.
3. CONTRACTOR TO VERIFY EXISTING LOCATION AND ELEVATION OF ALL UTILITY INFRASTRUCTURE REQUIRED FOR COMPLETION OF THIS PROJECT IN FULL PRIOR TO BEGINNING ANY ASPECT OF CONSTRUCTION. THIS INCLUDES ALL ON-SITE AND OFF-SITE UTILITIES AS REQUIRED. SHOULD ANY DISCREPANCIES BE FOUND THEY SHALL BE IMMEDIATELY BROUGHT TO THE ENGINEER'S ATTENTION IN WRITING TO RECEIVE FURTHER INSTRUCTION.
4. CONTRACTOR SHALL COORDINATE ALL WORK DIRECTLY INVOLVING, CROSSING OR IN THE VICINITY OF AN EXISTING UTILITY LINE WITH UTILITY PROVIDER/OWNER.
5. WATER AND SANITARY SEWER LINES TO BE INSTALLED ACCORDING TO THE PROJECT DETAILS AND SPECIFICATIONS.
6. CLEANOUTS SHALL BE PLACED AS SHOWN OR AS REQUIRED BY PLUMBING CODE/DIRECTED BY ENGINEER.
7. CONTRACTOR TO COMPARE THE PROPOSED SIZE AND PROPOSED BUILDING TIE-IN LOCATION OF ALL WATER AND SANITARY SEWER LINES WITH THE BUILDING/PLUMBING PLANS PRIOR TO CONSTRUCTION.
8. TRACER WIRE REQUIRED ON ALL WATER LINES INCLUDING SERVICE LINES. ALL WIRE SHALL BE INSTALLED IN SUCH A MANNER AS TO BE ABLE TO PROPERLY TRACE ALL MAINS WITHOUT LOSS OR DETERIORATION OF SIGNAL OR WITH THE TRANSMITTED SIGNAL MIGRATING OFF THE TRACER WIRE. CONTRACTOR MAY USE TRACER WIRE ACCESS BOXES IF REQUIRED TO ACHIEVE SUCH.

REVISION:
1. ADDED FIRE HYDRANT & REVISED WATER MAINS TO THE SAME

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
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REVISIONS:

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CHECKED: GAB
SCALE: 1"=20'
REF C/L:
EG SURFACE:
FG SURFACE:

PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

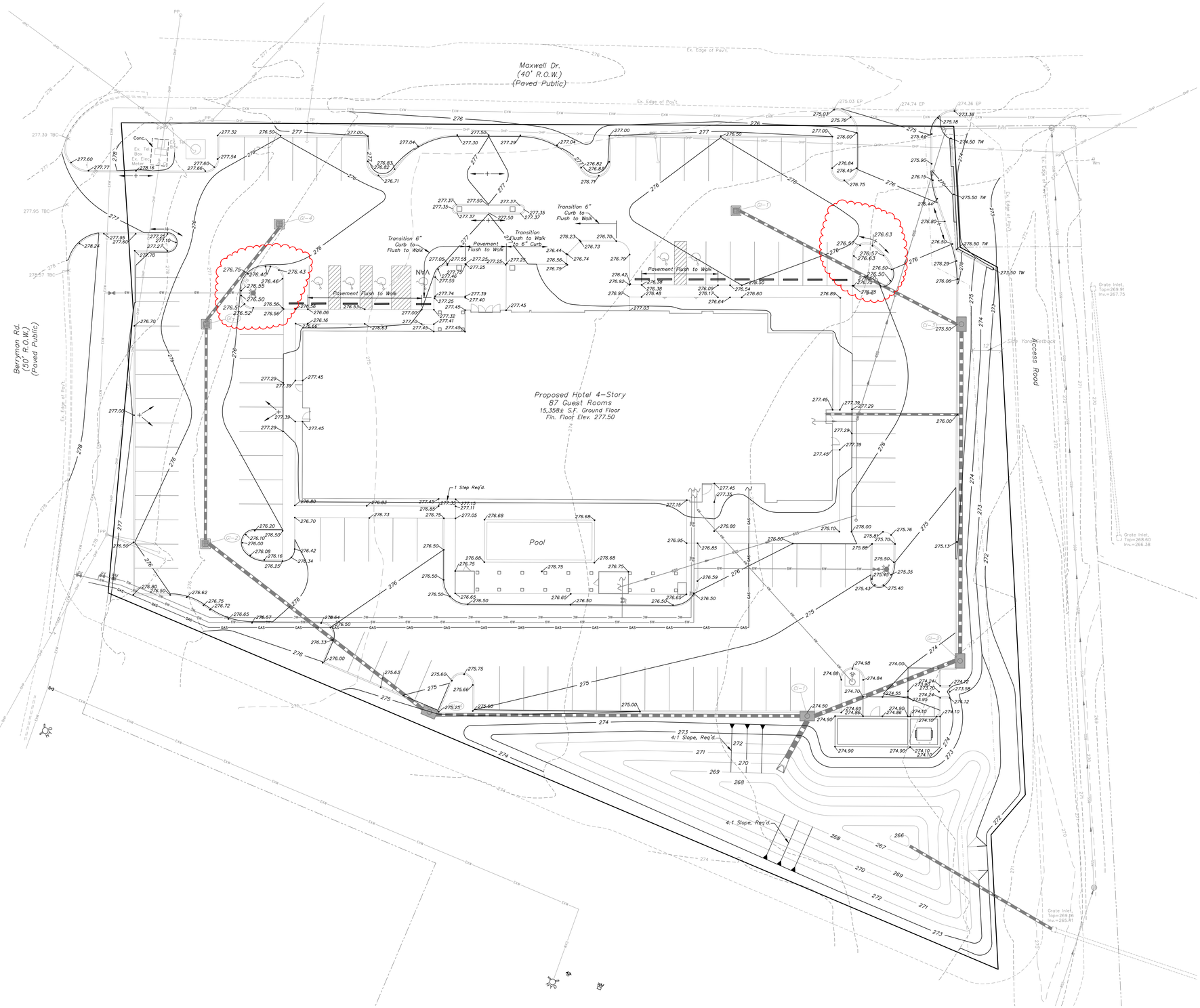
PROJECT:
HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS:
UTILITY LAYOUT

SHEET NUMBER
C300

PROJECT NUMBER
B-5657

FOR CONSTRUCTION



NOTES:

1. SEE NOTES ON SHEET C101 FOR MORE INFORMATION.
2. ALL EXISTING UTILITIES ARE SHOWN AS THEY WERE PROVIDED BY OTHERS AND SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL AT 601-362-4374 FOR A LOCATE PRIOR TO BEGINNING CONSTRUCTION TO VERIFY LOCATIONS.
3. SLOPES THAT ARE GREATER THAN 3:1 SHALL RECEIVE SOLID SOD UNLESS OTHERWISE NOTED.
4. NOT ALL UTILITY INFRASTRUCTURE REQUIRED OF THIS PROJECT IS SHOWN ON THIS SHEET FOR CLARITY PURPOSES. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE CONTRACT DRAWINGS AND ALL THAT IS REQUIRED OF THEM.
5. PRIOR TO ORDERING MATERIALS FOR THE PROJECT, THE CONTRACTOR SHALL POTHOLE EXISTING UTILITY LINES IN AREAS WHERE PROPOSED UTILITIES (WATER, SEWER, STORM DRAIN) OR DRAINAGE SWALES ARE PROPOSED TO CROSS AND NOTIFY ENGINEER IMMEDIATELY IF CONFLICT IS DISCOVERED.
6. ALL DISTURBED AREAS THAT ARE OUTSIDE THE PROJECT SCOPE/LIMITS SHALL BE REPAIRED TO AS GOOD AS THE ORIGINAL CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE. PICTURE DOCUMENTATION OF THESE AREAS SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO DISTURBING TO SERVE AS PROOF OF THE PRE-EXISTING CONDITION..
7. CONTRACTOR SHALL ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT FOR ALL ASPECTS OF SITE PREPARATION. SHOULD THERE BE ANY CONFLICTS BETWEEN THE GEOTECHNICAL REPORT AND THE REQUIREMENTS OF THESE DRAWINGS AND SPECIFICATIONS THE GEOTECHNICAL REPORT SHALL GOVERN.
8. MAINTAIN SLOPE IN HANDICAPPED STALLS AT 2% MAXIMUM.
9. THIS PARCEL IS LOCATED IN FLOOD ZONE X (NOT SHADED) ACCORDING TO FLOOD INSURANCE RATE MAP NO. 28149C0304E, COMMUNITY PANEL NO. 280176C 0304 E, EFFECTIVE DATE: JUNE 16, 2013.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
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REF C/L: | EG SURFACE:
FG SURFACE:

PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

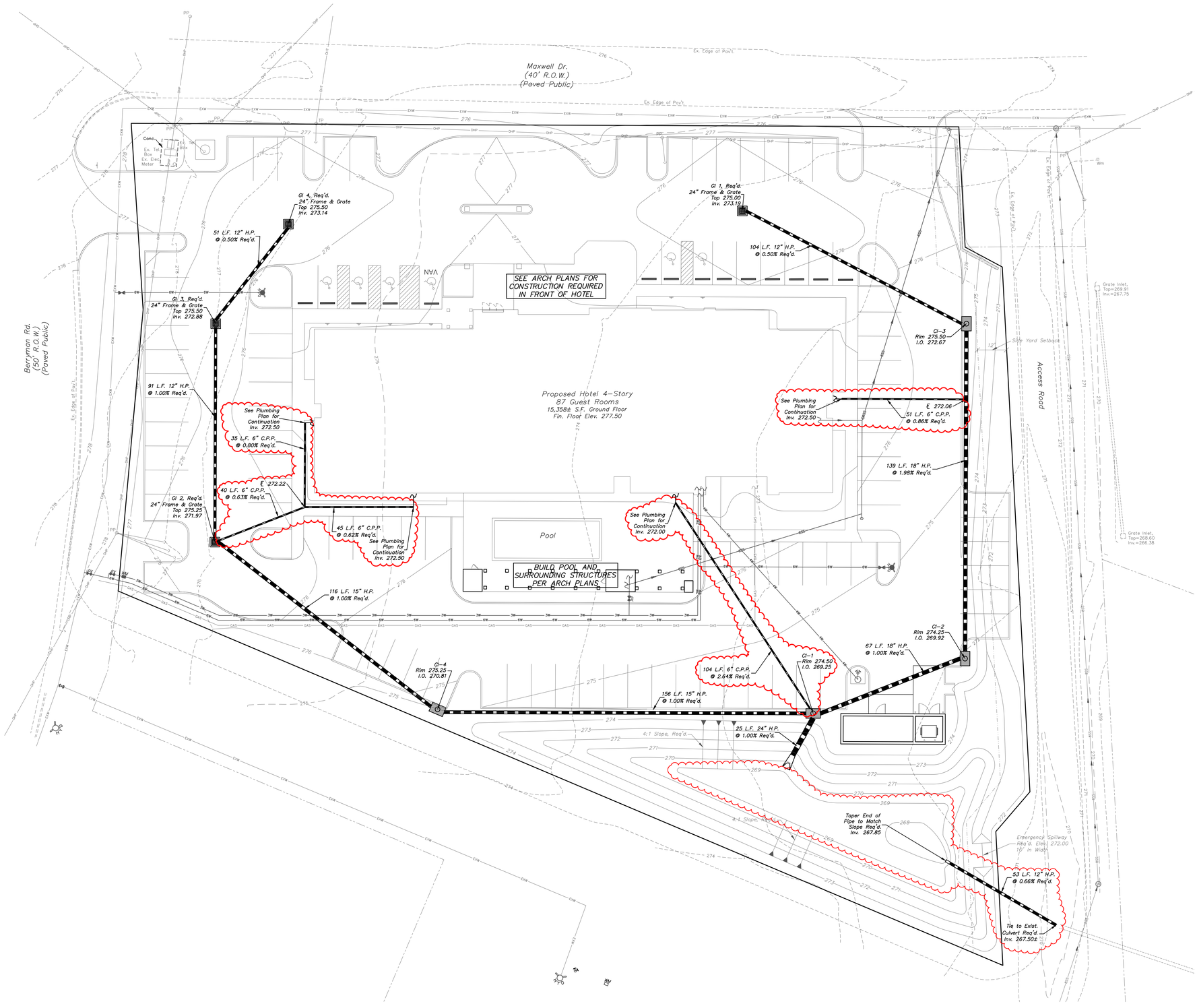
PROJECT:
HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS:
GRADING LAYOUT

SHEET NUMBER
C301

PROJECT NUMBER
B-5657

FOR CONSTRUCTION



RETENTION BASIN STORAGE PROVIDED

ELEV.	SURFACE AREA (S.F.)	INC. STORAGE (C.F.)	CUM. STORAGE (C.F.)
267.85	5	0	0
268.00	261	15.1	15.1
269.00	1,977	985	1,000
270.00	3,259	2,591	3,592
271.00	4,834	4,020	7,612
272.00	6,632	5,705	13,316
273.00	9,048	7,803	21,120

PRE & POST RUNOFF:

	2-YR	5	10	25	50	100
PRE	4.999	6.039	6.920	8.109	8.994	9.886
POST	4.228	4.570	4.839	5.192	5.371	5.546
PEAK ELEV.	270.15	270.42	270.65	270.98	271.15	271.33

NOTES:

1. SEE NOTES ON SHEET C101 FOR MORE INFORMATION.
2. ALL EXISTING UTILITIES ARE SHOWN AS THEY WERE PROVIDED BY OTHERS AND SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL AT 601-362-4374 FOR A LOCATE PRIOR TO BEGINNING CONSTRUCTION TO VERIFY LOCATIONS.
3. NOT ALL UTILITY INFRASTRUCTURE REQUIRED OF THIS PROJECT IS SHOWN ON THIS SHEET FOR CLARITY PURPOSES. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE CONTRACT DRAWINGS AND ALL THAT IS REQUIRED OF THEM.
4. PRIOR TO ORDERING MATERIALS FOR THE PROJECT, THE CONTRACTOR SHALL POTHOLE EXISTING UTILITY LINES IN AREAS WHERE PROPOSED UTILITIES (WATER, SEWER, STORM DRAIN) OR DRAINAGE SWALES ARE PROPOSED TO CROSS AND NOTIFY ENGINEER IMMEDIATELY IF CONFLICT IS DISCOVERED.
5. INVERT ELEVATIONS SHOWN ON THE PLANS FOR THE STORM DRAIN STRUCTURES AND CULVERTS REPRESENT THE FLOW LINE. CONTRACTOR TO ACCOUNT FOR PIPE OR STRUCTURE THICKNESS WHEN INSTALLING.
6. ALL HP PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR PROPOSED APPLICATION.
7. ALL STORM DRAIN STRUCTURE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR PROPOSED APPLICATION.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
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FG SURFACE:

PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

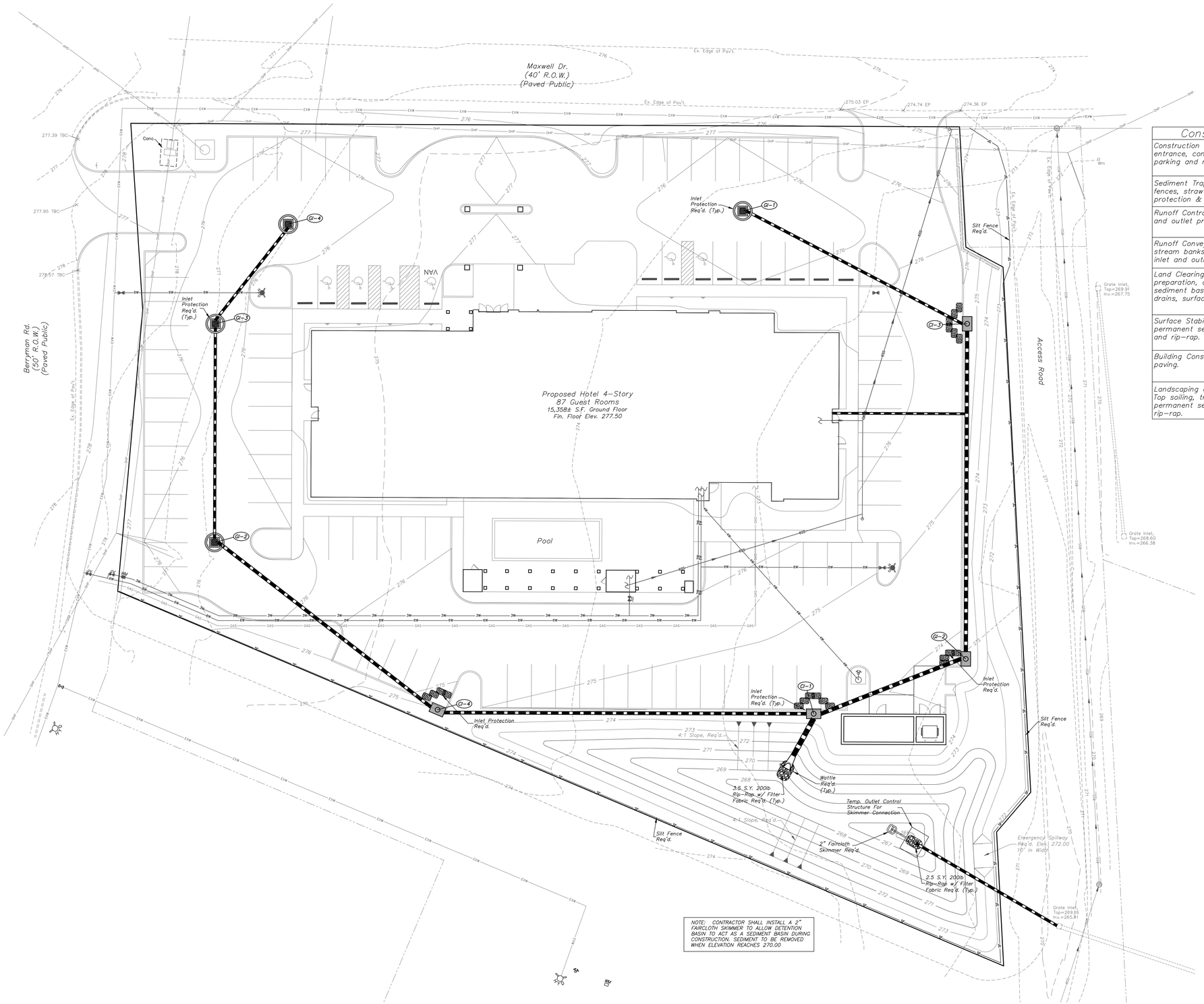
PROJECT:
HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS:
DRAINAGE LAYOUT

SHEET NUMBER
C302

PROJECT NUMBER
B-5657

FOR CONSTRUCTION



NOTE: CONTRACTOR SHALL INSTALL A 2" FAIRCLOTH SKIMMER TO ALLOW DETENTION BASIN TO ACT AS A SEDIMENT BASIN DURING CONSTRUCTION. SEDIMENT TO BE REMOVED WHEN ELEVATION REACHES 270.00

CONSTRUCTION SEQUENCE

Construction Activity	Schedule Consideration
Construction Access: Construction entrance, construction routes, equipment parking and materials storage area.	First land-disturbing activity, stabilize bare areas immediately with gravel and temporary vegetation as construction takes place, construct equipment and materials staging area. Install temporary sanitary facilities & trash containers.
Sediment Traps and Barriers: Sediment fences, straw bale barriers, inlet protection & sediment basins	Install principal basins after construction site is accessed. Install additional traps and barriers as needed during grading.
Runoff Control. Diversions, water bars, and outlet protection.	Install key practices after principal sediment traps and before land grading. Install additional runoff-control measures during grading.
Runoff Conveyance System. Stabilize stream banks, storm drains, channels, inlet and outlet protection, slope drains.	Where necessary, stabilize stream banks as early as possible. Install principal runoff conveyance with runoff control measures. Install remainder of system after grading.
Land Clearing and Grading. Site preparation, cutting, filling and grading, sediment basins, barriers, diversions, drains, surface roughening.	Begin major clearing and grading after principal sediment and key runoff control measures are installed. Clear borrow and disposal areas only as needed. Install additional control measures as grading progressed. Don't allow equipment or personnel within drip line of marked trees.
Surface Stabilization. Temporary and permanent seeding, mulching, sodding, and rip-rap.	Apply temporary or permanent stabilization measures immediately on all disturbed areas where work is delayed or complete.
Building Construction. Buildings, utilities, paving.	Install necessary erosion and sedimentation control practices as work takes place. Install a sealable materials storage container in staging area, construct a temporary concrete washout area.
Landscaping and Final Stabilization. Top soiling, trees and shrubs, permanent seeding, mulching, sodding, rip-rap.	Last construction phase - remove temporary concrete washout area, stabilize all open areas, including borrow and spoil areas. Remove and stabilize all temporary control measures.

EROSION CONTROL NOTES:

1. SEE NOTES ON SHEET C101 FOR MORE INFORMATION.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILL OUT A LARGE CONSTRUCTION NOTICE OF INTENT (LCNOI). A COPY OF THE LCNOI MUST BE KEPT READILY AVAILABLE AT THE JOB SITE. ALL REQUIREMENTS OF THE LCNOI ARE THE CONTRACTOR'S RESPONSIBILITY INCLUDING BUT NOT LIMITED TO ALL REQUIRED INSPECTIONS, WEEKLY REPORTS AND MAINTENANCE OF THE SITE.
3. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES THAT DISTURB EXISTING GROUND.
4. CONTRACTOR IS TO EVALUATE ALL STORM WATER MANAGEMENT CONTROLS A MINIMUM OF ONCE PER WEEK AND AFTER RAINFALL EVENTS TO DETERMINE EFFECTIVENESS OF THE EROSION AND SILTATION CONTROL MEASURES. ADDITIONAL MEASURES TO BE INSTALLED AS NEEDED TO CONTROL SEDIMENT (ABSORBED). INSPECTION REPORTS TO BE FILLED OUT ONCE PER WEEK NOTING ALL ACTIONS (IF ANY) REQUIRED.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN AND REPAIR ALL TEMPORARY EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION. NO SEPARATE PAYMENT SHALL BE MADE FOR MAINTENANCE OR REPLACEMENT OF ANY TEMPORARY EROSION CONTROL MEASURES.
6. TEMPORARY EROSION CONTROL MEASURES DEPICTED ON THIS DRAWING ARE MINIMUM REQUIREMENTS TO BE UTILIZED IN DEVELOPMENT OF THE SITE-SPECIFIC STORMWATER POLLUTION PREVENTION PLAN AND ARE NOT MEANT TO ADDRESS ALL OF THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT.
7. IT IS THE INTENT OF THE SPECIFICATIONS THAT THE WORK SHALL PROCEED IN A MANNER AND SEQUENCE TO ENSURE THAT ESTABLISHMENT OF PERMANENT EROSION CONTROL ITEMS ARE ACCOMPLISHED IMMEDIATELY AFTER FINISH GRADING.
8. EFFECTIVE USE OF TEMPORARY MEASURES, INCLUDING TEMPORARY SEEDING, SHALL BE MADE SO AS TO PREVENT OR MINIMIZE EROSION AND SILTATION UNTIL PERMANENT MEASURES ARE ESTABLISHED.
9. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL @ 601-362-4374 AT LEAST 48 HOURS BEFORE IMPROVEMENTS ARE MADE.
10. CONTRACTOR SHALL BE REQUIRED TO FURNISH ALL MATERIALS AND PERFORM ALL WORK FOR THE PROPER INSTALLATION, MAINTENANCE, AND REMOVAL OF TEMPORARY EROSION CONTROL MEASURES TO CONTROL SILTATION.
11. SEE THE EROSION CONTROL DETAIL SHEET FOR MORE DETAIL ON THE INSTALLATION OF THE REQUIRED EROSION CONTROL MEASURES.
12. ONCE THE PERMANENT EROSION CONTROL MEASURES ARE IN PLACE A FINAL SITE INSPECTION IS TO BE COORDINATED BY THE CONTRACTOR WITH THE ENGINEER AND THE OWNER. ONCE SITE MEETS ALL PARTIES SPECIFICATIONS THE CONTRACTOR WITH BE RELIEVED OF THE RESPONSIBILITIES OF THIS CONTRACT.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EROSION CONTROL MEASURES SHOULD, TO THE EXTENT PRACTICABLE:

   A. DIVERT UP-SLOPE WATER AROUND DISTURBED AREAS OF THE SITE
   B. LIMIT THE EXPOSURE OF DISTURBED AREAS TO THE SHORTEST AMOUNT OF TIME POSSIBLE
   C. MINIMIZE THE AMOUNT OF SURFACE AREA THAT MUST BE DISTURBED
   D. IMPLEMENT BEST MANAGEMENT PRACTICES TO MITIGATE ADVERSE IMPACTS FROM STORM WATER RUNOFF
   E. REMOVE SEDIMENT THAT WOULD CONTRIBUTE TO OR CAUSE ADVERSE IMPACTS TO STATE WATERS FROM STORM WATER BEFORE IT LEAVES THE SITE

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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FG SURFACE:

PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

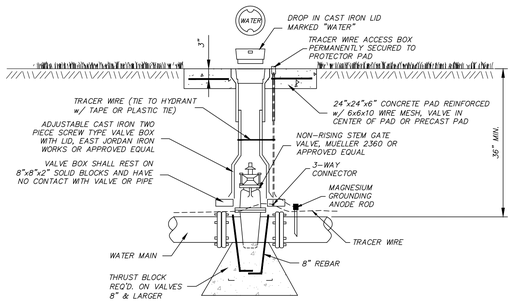
PROJECT:
HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS:
EROSION CONTROL LAYOUT

SHEET NUMBER
C303

PROJECT NUMBER
B-5657

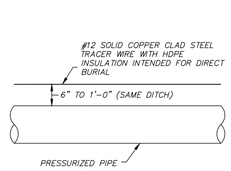
FOR CONSTRUCTION



GATE VALVE ASSEMBLY NOTES:

1. GATE VALVE SHALL MATCH SIZE OF LINE ON WHICH IT IS INSTALLED UNLESS OTHERWISE NOTED.
2. VALVE BOX SHALL BE SET PLUMB AND CENTERED ABOVE THE VALVE NUT.
3. **THRUST BLOCKS REQUIRED ON ALL GATE VALVES** AND SHALL BE PLACED ON TAMPED SOIL MEETING SPECIFICATIONS FOR BEDDING MATERIAL OR ON CRUSHED LIMESTONE.
4. ALL TRACER WIRE CONNECTORS SHALL BE AS REQUIRED BY THE CITY AND SHALL BE WATERTIGHT TO PROVIDE ELECTRICAL CONDUCTIVITY.
5. ALL BOLTS SHALL BE POLY WRAPPED TO REMAIN FREE OF CONCRETE AND SHALL BE FULLY ACCESSIBLE.
6. CONCRETE PROTECTOR PADS REQUIRED ON ALL VALVES INCLUDING HYDRANT VALVES (ABSORBED).

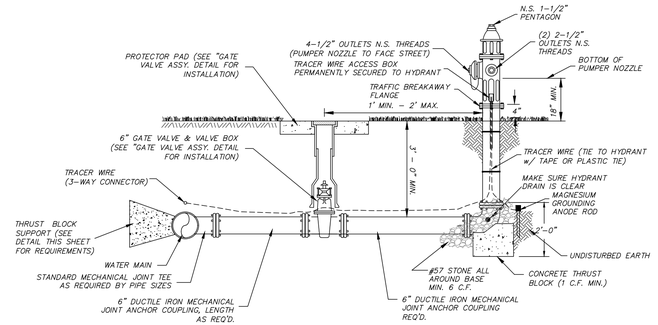
GATE VALVE ASSEMBLY
N.T.S.



TRACER WIRE DETAIL
(REQUIRED ON ALL PRESSURIZED PVC LINES)
N.T.S.

TRACER WIRE NOTE:

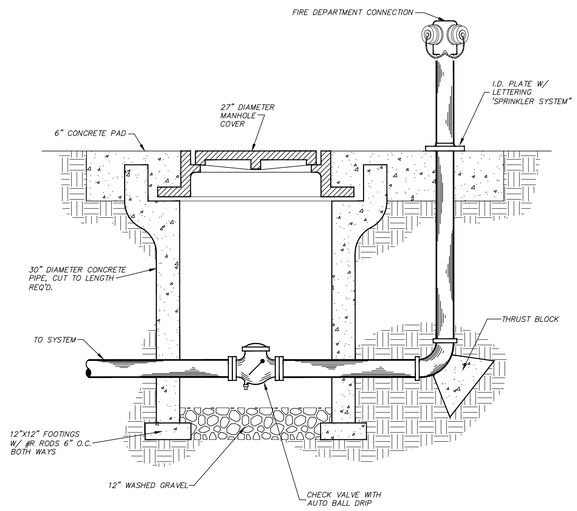
1. TRACER WIRE SHALL BE ABSORBED IN THE PER FOOT COST OF THE PRESSURIZED LINE.
2. TRACER WIRE COLOR SHALL BE BLUE FOR WATER CONSTRUCTION AND GREEN FOR WASTEWATER CONSTRUCTION.
3. ALL TRACER WIRE SHALL BE INSTALLED AS A COMPLETE SYSTEM, COMPLETE WITH CONNECTORS, MAGNESIUM ANODE GROUND RODS, AND TERMINAL STATIONS AT EACH FIRE HYDRANT, WATER VALVE, AND TERMINATION LOCATIONS.
4. TRACER WIRE SHALL BE COPPERHEAD 1230-HS OR APPROVED EQUAL BY CITY.
5. ALL ACCESSORIES SHALL BE COPPERHEAD OR APPROVED EQUAL BY CITY.
6. TRACER WIRE WILL BE TESTED BY CITY AND ALL AREAS NOT ABLE TO BE LOCATED USING TYPICAL LOW FREQUENCY LINE TRACING EQUIPMENT SHALL BE REPAIRED BY CONTRACTOR PRIOR TO ACCEPTANCE.



FIRE HYDRANT ASSEMBLY NOTES:

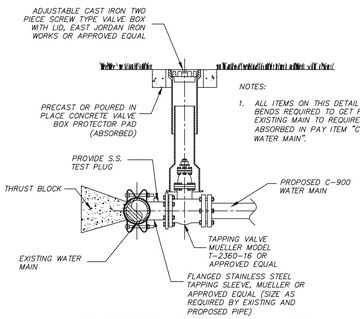
1. FIRE HYDRANTS SHALL BE PAINTED WHITE.
2. ALL FIRE HYDRANT ASSEMBLIES TO INCLUDE GATE VALVES.
3. CONTRACTOR TO USE MEGA-LUGS ON ALL RESTRAINED JOINTS.
4. FIRE HYDRANT TO MATCH EXISTING (IF ANY) OR BE MUELLER A-423, OR APPROVED EQUAL (MUST BE APPROVED BY CITY OF VICKSBURG).
5. SEE GATE VALVE ASSEMBLY DETAIL FOR MORE INFORMATION ON INSTALLATION.
4. ALL TRACER WIRE CONNECTORS SHALL BE AS REQUIRED BY THE CITY AND SHALL BE WATERTIGHT TO PROVIDE ELECTRICAL CONDUCTIVITY.
5. ALL ITEMS SHOWN ON THIS DETAIL (INCLUDING VALVE) ARE ABSORBED IN FIRE HYDRANT ASSEMBLY ITEM.

FIRE HYDRANT ASSEMBLY
N.T.S.



REMOTE SIAMESE CONNECTION
N.T.S.

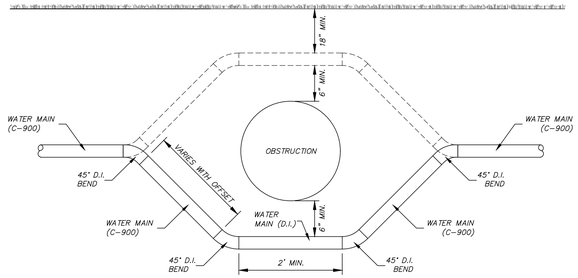
NOTE: CONCRETE PROTECTOR PAD IN PAVED AREAS SHALL BE 12"x12"x6" WITH 6x6x10 WELDED WIRE FABRIC AND THE CLEANOUT CENTERED IN PAD.



NOTES:

1. ALL ITEMS ON THIS DETAIL IN ADDITION TO ALL BENDS REQUIRED TO GET FROM ELEVATION OF EXISTING MAIN TO REQUIRED ELEVATION SHALL BE ABSORBED IN PAY ITEM "CONNECT TO EXISTING WATER MAIN".

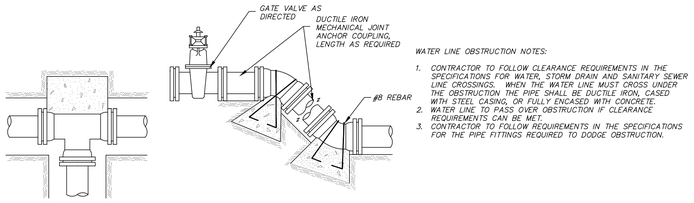
CONNECTION TO EXSTING WATER MAIN
N.T.S.



WATER LINE OBSTRUCTION NOTES:

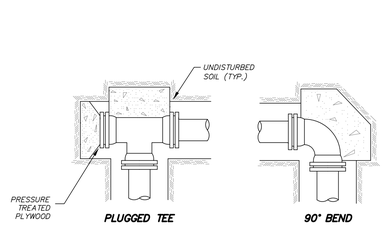
1. CONTRACTOR TO FOLLOW CLEARANCE REQUIREMENTS IN THE SPECIFICATIONS FOR WATER, STORM DRAIN AND SANITARY SEWER LINE CROSSINGS. WHEN THE WATER LINE MUST CROSS UNDER THE OBSTRUCTION THE PIPE SHALL BE DUCTILE IRON, CASED WITH STEEL CASING, OR FULLY ENCASED WITH CONCRETE.
2. WATER LINE TO PASS OVER OBSTRUCTION IF CLEARANCE REQUIREMENTS CAN BE MET.
3. CONTRACTOR TO FOLLOW REQUIREMENTS IN THE SPECIFICATIONS FOR THE PIPE FITTINGS REQUIRED TO DODGE OBSTRUCTION.
4. SAME SPECIFICATIONS APPLY FOR SANITARY SEWER FORCE MAIN OBSTRUCTIONS.
5. WORK & MATERIALS REQUIRED FOR WATER LINE OBSTRUCTION SHALL BE AN ABSORBED COST.

TYPICAL WATER LINE OBSTRUCTION DETAIL



WATER LINE OBSTRUCTION NOTES:

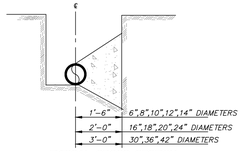
1. CONTRACTOR TO FOLLOW CLEARANCE REQUIREMENTS IN THE SPECIFICATIONS FOR WATER, STORM DRAIN AND SANITARY SEWER LINE CROSSINGS. WHEN THE WATER LINE MUST CROSS UNDER THE OBSTRUCTION THE PIPE SHALL BE DUCTILE IRON, CASED WITH STEEL CASING, OR FULLY ENCASED WITH CONCRETE.
2. WATER LINE TO PASS OVER OBSTRUCTION IF CLEARANCE REQUIREMENTS CAN BE MET.
3. CONTRACTOR TO FOLLOW REQUIREMENTS IN THE SPECIFICATIONS FOR THE PIPE FITTINGS REQUIRED TO DODGE OBSTRUCTION.



NOTES:

1. ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH.
2. PLACE BOARD IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCKS.
3. POUR THRUST BLOCKS AGAINST UNDISTURBED SOIL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE SOIL AND EXTEND THRUST BLOCKS TO UNDISTURBED SOIL.
4. IN BACK FILLING, ANY MUCK ENCOUNTERED SHALL BE REMOVED AND REPLACED WITH ACCEPTABLE MATERIAL.
5. WRAP ALL FITTINGS WITH 8-MIL POLYETHYLENE ENCASEMENT.
6. BACK FILL MATERIAL SHALL NOT INCLUDE ROCK OR BOULDERS.
7. ALL CONCRETE SHALL BE MINIMUM 2500 PSI.
8. THRUST BLOCKS SHALL BE AN ABSORBED COST.
9. MEGA LUG RESTRAINS OR APPROVED EQUAL REQUIRED ON ALL MECHANICAL JOINT FITTINGS.

TYPICAL THRUST BLOCK
N.T.S.



TYPICAL CROSS SECTION

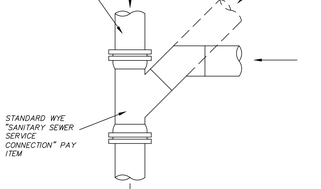
BEARING AREA IN SQ. FT.

NORMAL PIPE DIAMETER (IN.)	DEAD END, TEE, PLUG	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4" OR LESS	2	2	2	1	1
6	3	4	3	2	2
8	5	7	4	2	2
10	8	12	6	3	3
12	12	16	9	5	3
14	14	18	11	6	4
16	16	20	12	7	6

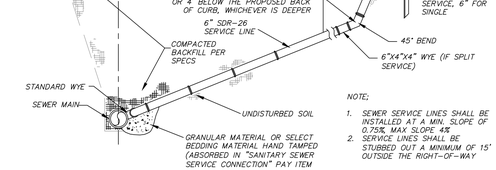
VERTICAL BENDS

4" OR LESS	–	–	6.0(.22)	4.0(.15)	4.0(.15)
6	–	–	14.0(.52)	6.0(.22)	4.0(.15)
8	–	–	27.0(1.0)	9.0(.33)	6.0(.22)
10	–	–	46.0(2.0)	16.0(.67)	7.5(.30)
12	–	–	68.0(2.5)	22.0(.80)	9.0(.33)
14	–	–	80.0(3.0)	40.0(1.5)	14.0(.52)
16	–	–	90.0(3.3)	52.0(1.9)	18.0(.67)

VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT. (CU. YDS.)



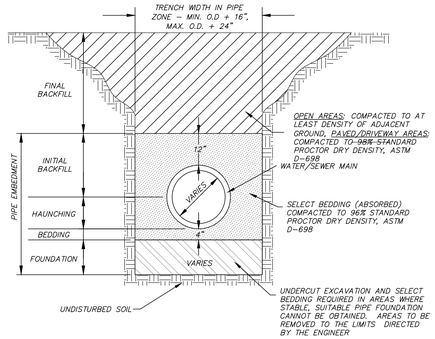
STANDARD WYE
N.T.S.



NOTE;

1. SEWER SERVICE LINES SHALL BE INSTALLED AT A MIN. SLOPE OF 0.75% MAX SLOPE 4%
2. SERVICE LINES SHALL BE STUBBED OUT A MINIMUM OF 15' OUTSIDE THE RIGHT-OF-WAY

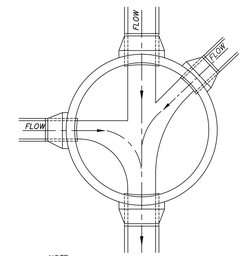
SANITARY SEWER SERVICE ASSEMBLY - SINGLE OR SPLIT
N.T.S.



TYPICAL TRENCH NOTES:

1. UNDERCUT EXCAVATION MAY BE REQUIRED IF MATERIAL AT PLANNED GRADE WILL NOT PROVIDE STABLE TRENCH BOTTOM FOR PIPE LAYING
2. THE MINIMUM REQUIRED BEDDING MATERIAL SHALL BE A SAND/GRAVEL MIX.
3. FINAL BACKFILL SHALL BE NATIVE MATERIAL IN OPEN AREAS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. FINAL BACKFILL SHALL BE SELECT MATERIAL IN ALL TRENCHES CONSTRUCTED UNDER ROADWAYS, CURBED OR PAVED AREAS. MATERIAL SHALL EXTEND 5' BEYOND THE EDGE OF PAVING STRUCTURE(S).
5. TRENCH SETTLEMENT REPAIR IS THE CONTRACTOR'S RESPONSIBILITY DURING WARRANTY PERIOD.
6. BEDDING, HAUNCHING AND INITIAL BACKFILL SHALL BE SELECT BEDDING MATERIAL AND SHALL BE ABSORBED IN THE PER FOOT COST OF THE PIPE.
7. CONTRACTOR SHALL PROVIDE TEST RESULTS THAT SHOW NATIVE MATERIAL PROPOSED TO BE USED AS SELECT BEDDING MEETS THE SPECIFICATIONS FOR SELECT BEDDING MATERIAL.
8. FOUNDATION SELECT BEDDING AND UNDERCUT EXCAVATION WILL BE PLACED AS DIRECTED BY THE ENGINEER AND PAID FOR BY THE CUBIC YARD AS NOTED ON THE BID SCHEDULE. CONTRACTOR SHALL NOT REMOVE UNSUITABLE MATERIAL WITHOUT ENGINEER'S APPROVAL.

TYPICAL TRENCH DETAIL FOR SANITARY SEWER & WATER SYSTEM MAIN LINES AND SERVICE LINES
N.T.S.



NOTE:
IF MANHOLE HAS ONLY ONE INFLUENT PIPE WHICH IS APPROXIMATELY 90 DEGREES TO EFFLUENT PIPE, THEN CONTRACTOR SHALL MAINTAIN A CHANNEL OF SAME WIDTH AS INFLUENT PIPE.

FLOW CHANNEL & PIPE CONNECTION DETAIL
N.T.S.

BENCHMARK
ENGINEERING & SURVEYING, LLC
101 Highpointe Court, Suite B, Brandon, Mississippi 39042
Office: 601-591-1077 Fax: 601-591-0711
E-mail: gibson@benchmarkms.net

REVISIONS:

DATE: 05/03/19 | DRAWN: BCB
CHECKED: GAB | SCALE: 1"=1'
REF C/L: | EG SURFACE:
FG SURFACE:

PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

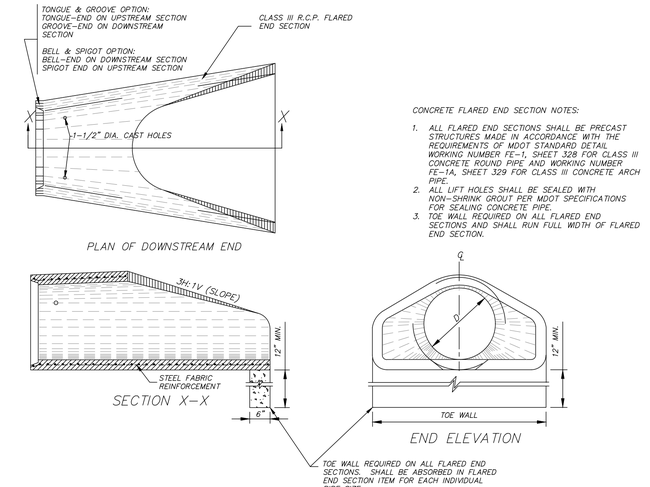
PROJECT:
HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS:
WATER & SANITARY SEWER SYSTEM DETAILS

SHEET NUMBER
C400

PROJECT NUMBER
B-5657

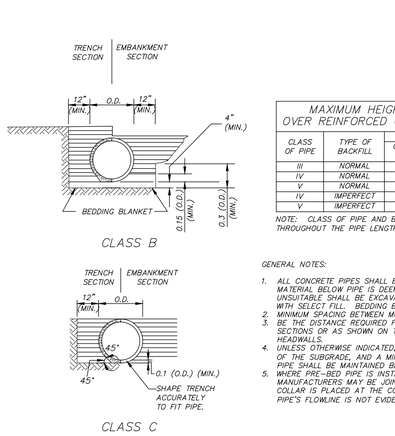
FOR CONSTRUCTION



CONCRETE FLARED END SECTION NOTES:

1. ALL FLARED END SECTIONS SHALL BE PRECAST STRUCTURES MADE IN ACCORDANCE WITH THE REQUIREMENTS OF MDOT STANDARD DETAIL WORKING NUMBER FE-1, SHEET 328 FOR CLASS III CONCRETE ROUND PIPE AND WORKING NUMBER FE-1A, SHEET 329 FOR CLASS III CONCRETE ARCH PIPE.
2. ALL LIFT HOLES SHALL BE SEALED WITH NON-SHRINK GROUT PER MDOT SPECIFICATIONS FOR SEALING CONCRETE PIPE.
3. TOE WALL REQUIRED ON ALL FLARED END SECTIONS AND SHALL RUN FULL WIDTH OF FLARED END SECTION.

CONCRETE FLARED END SECTION
N.T.S.



MAXIMUM HEIGHT OF FILL OVER REINFORCED CONCRETE PIPE

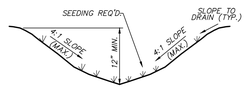
CLASS OF PIPE	TYPE OF BACKFILL	MAXIMUM COVER (ft) CLASS "C" BEDDING	MAXIMUM COVER (ft) CLASS "B" BEDDING
III	NORMAL	16'	
IV	NORMAL	23'	28'
V	NORMAL	30'	36'
IV	IMPERFECT	--	90'
V	IMPERFECT	--	115'

NOTE: CLASS OF PIPE AND BEDDING TO BE CONSISTENT THROUGHOUT THE PIPE LENGTH.

GENERAL NOTES:

1. ALL CONCRETE PIPES SHALL BE INSTALLED WITH CLASS C BEDDING UNLESS MATERIAL BELOW PIPE IS DEEMED UNSUITABLE BY ENGINEER. IN SUCH CASE UNSUITABLE SHALL BE EXCAVATED AS DIRECTED BY ENGINEER AND REPLACED WITH SELECT FILL. BEDDING BLANKET AS REQUIRED BY ENGINEER.
2. MINIMUM SPACING BETWEEN MULTIPLE LINES OF PARALLEL PIPE SHALL BE THE DISTANCE REQUIRED FOR INSTALLING THE ADJACENT FLARED END SECTIONS OR AS SHOWN ON THE HEADWALL DRAWINGS FOR CONDUITS REQUIRING HEADWALLS.
3. UNLESS OTHERWISE INDICATED, THE TOP OF THE PIPE SHALL BE BELOW THE TOP OF THE SUBGRADE, AND A MINIMUM OF 12" OF COVER OVER THE TOP OF THE PIPE SHALL BE MAINTAINED BETWEEN THE SHOULDER LINES.
4. WHERE PRE-BED PIPE IS INSTALLED, FLARED END SECTIONS FROM OTHER MANUFACTURERS MAY BE JOINED TO PRE-BED PIPE PROVIDED A CONCRETE COLLAR IS PLACED AT THE CONTRACTORS EXPENSE AND A DEFORMATION TO THE PIPE'S FLOWLINE IS NOT EVIDENT ON FINAL PLACEMENT.

CONCRETE PIPE INSTALLATION
N.T.S.



SWALE SECTION

BENCHMARK
ENGINEERING & SURVEYING, LLC
101 Highpointe Court, Suite B, Brandon, Mississippi 39042
Office: 601-591-1077 Fax: 601-591-0711
E-mail: gbonds@benchmarkms.net

REVISIONS:

DATE: 05/03/19
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SCALE: 1"=1'
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EG SURFACE:
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PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

PROJECT:
HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS:
STORM DRAIN DETAILS

SHEET NUMBER
C401

PROJECT NUMBER
B-5657

FOR CONSTRUCTION

GENERAL DATA												
SS-2 INLET SIZE	WALL THICKNESS	INSIDE DIMENSION		OUTSIDE DIMENSION		BASE HEIGHT	RISER HEIGHT	WEIGHTS				
	WT	IW	IL	OW	OL	B	R	BOTTOM	BASE/RISER INLET TOP	EXTENSION	EXTENSION TOP	
FEET	INCHES	INCHES		INCHES		3" INCREMENTS		LB	LB/FT	LB	LB	LB
3 X 5	5	36	60	46	70	24-54	18-48	1125	1114	1880	1865	1070

3' x 5' WALL REINFORCEMENT (SQ. IN. PER LIN. FT.)												
DEPTH OF INSTALLATION	BASE		TOP RISER		INTERIOR RISER #1		INTERIOR RISER #2		INTERIOR RISER #3		INTERIOR RISER #4	
	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT
0-8	0.30	36.969	0.24	29.575	–	–	–	–	–	–	–	–
0-12	0.60	78.867	0.24	29.575	0.60	78.867	–	–	–	–	–	–
0-16	0.88	110.005	0.24	29.575	0.60	78.867	0.74	95.338	–	–	–	–
0-20	1.18	139.340	0.24	29.575	0.60	78.867	0.74	95.338	1.06	124.672	–	–
0-24	1.44	176.008	0.24	29.575	0.60	78.867	0.74	95.338	1.06	124.672	1.20	146.673

CONCRETE QUANTITIES				
SS-2 INLET SIZE	BOTTOM C.Y.	RISER C.Y./FT	TOP C.Y.	EXTENSION C.Y.
3X5	0.279	0.275	0.464	0.724

NOTES: CONCRETE CUBIC YARDS PER INLET = BOTTOM + (TOTAL RISER HEIGHT (FT) x C.Y./FT) + TOP EXTENSION INCLUDES CURB INLET UNIT + TOP + EXTENSIONS- ANY HOLE OPENINGS EXTENSION BLOCKOUT OPENINGS

CAST-IN-PLACE COLLAR REQUIRED AT ALL PIPE CONNECTIONS. FILLING THE AREA AROUND PIPE IS TO BE INCLUDED IN THE COLLAR. REINFORCEING STEEL MUST EXTEND OUT OF THE BASE/RISER WHEN CAST-IN-PLACE TOP IS USED.

BOTTOM/TOP/EXTENSION REINFORCEMENT				
SS-2 INLET SIZE	BOTTOM REINFORCEMENT	BOTTOM LB/STEEL	TOP LB/STEEL	EXTENSION LB/STEEL
3X5	#4 @ 9" EW	38.550	116.496	38.305

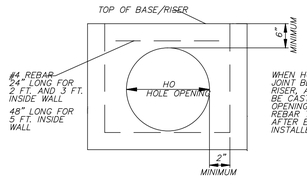
NOTE: *EXTENSION INCLUDES CURB INLET UNIT PLUS TOP

MINIMUM PIPE DEPTH WITHOUT EXTENSION TOP OF CURB UNIT TO PIPE INVERT TABLE A			
ROUND RCP SIZE	DEPTH INCHES	ARCH RCP SIZE	DEPTH INCHES
–	–	–	–
–	–	–	–
12	36	–	–
15	39.5	18x11	32.5
18	42	22x13	34.5
21	44.5	–	–
24	49	29x18	39.5
27	53.5	–	–
30	55	36x23	44.5

MINIMUM PIPE DEPTH WITH EXTENSION TOP OF CURB UNIT TO PIPE INVERT TABLE B			
ROUND RCP SIZE	DEPTH INCHES	ARCH RCP SIZE	DEPTH INCHES
–	–	–	–
–	–	–	–
12	55	–	–
15	58	18x11	55
18	61	22x13	58
21	64	–	–
24	67	–	–
27	72	–	–
30	–	–	–

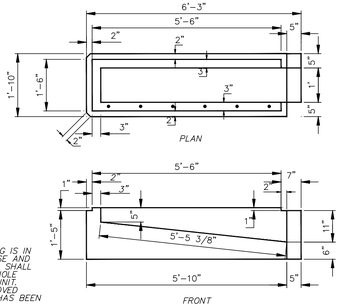
NOTE: BLANK SPACES IN TABLES INDICATE PIPE WILL NOT FIT INTO SIDE OF BOX OR PIPE SIZE IS NOT AVAILABLE.

HOLE OPENING									
ROUND RCP		OPENING			ARCH RCP		OPENING		
		INCHES		CONCRETE DEDUCTION PER OPENING (C.Y.)			INCHES		CONCRETE DEDUCTION PER OPENING (C.Y.)
SIZE	T	HO	OP		SIZE	T	HO	OP	
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
12	2	20	4	0.017	–	–	–	–	–
15	2.25	24	4.5	0.032	18x11	2.25	25.5x18.5	1.5	0.015
18	2.5	26	4	0.045	22x13	2.5	30x21	1.5	0.045
21	2.75	28	3.5	0.060	–	–	–	–	–
24	3	32	4	0.076	29x18	3	38x27	1.5	0.073
27	3.25	40	6.5	0.095	–	–	–	–	–
30	3.5	40	5	0.116	36x23	3.5	46x33	1.5	0.108

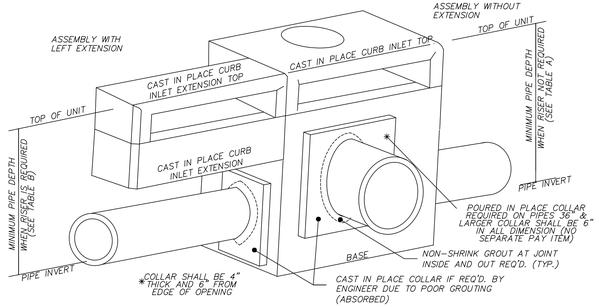


DETAIL FOR HOLE OPENING

WHEN HOLE OPENING IS IN JOINT BETWEEN BASE AND RISER, A #4 REBAR SHALL BE CAST ACROSS HOLE OPENING IN EACH UNIT. REBAR TO BE REMOVED AFTER EACH UNIT HAS BEEN INSTALLED.

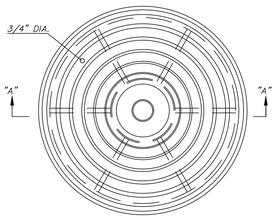


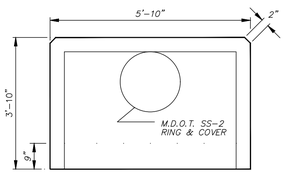
CURB INLET EXTENSION LEFT/RIGHT

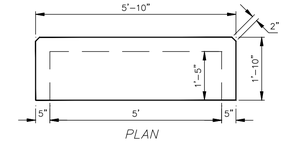


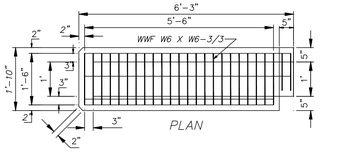
ISOMETRIC VIEW OF PRECAST UNIT

COVER TO READ "NO DUMPING – DRAINS TO RIVER"

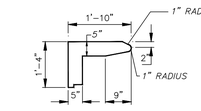




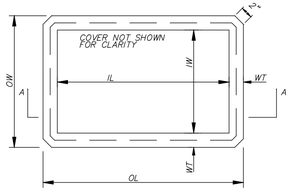




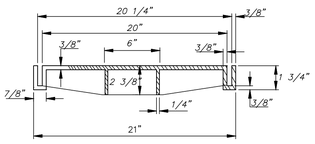
REINFORCEMENT CURB INLET EXTENSION LEFT/RIGHT



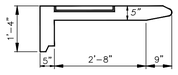
CURB INLET EXTENSION TOP LEFT/RIGHT



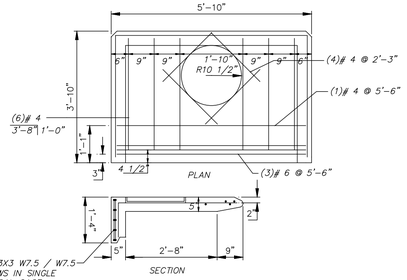
PLAN FOR BASE/RISER INLET/JUNCTION BOX



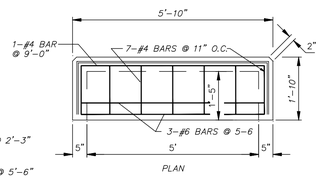
MDOT SS-2 RING AND COVER 79 LBS

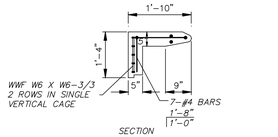


CURB INLET TOP

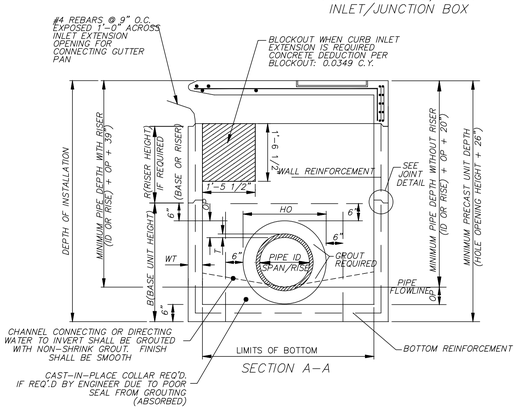


REINFORCEMENT CURB INLET TOP

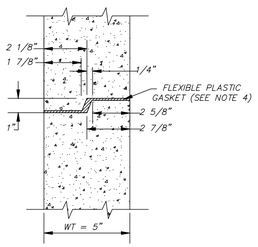




REINFORCEMENT CURB INLET EXTENSION TOP LEFT/RIGHT



SECTION A-A



JOINT DETAIL

GENERAL NOTES:

1. CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 4000 PSI MINIMUM AT 28 DAYS.
2. REINFORCING FOR BOTTOM AND WALLS MAY BE WELDED WIRE FABRIC, ASTM A-185, AND OF THE AREA AS SHOWN IN TABLE.
3. REINFORCING FOR COVER SHALL BE ASTM A615/A AND OF THE SIZE AS SHOWN IN TABLE AND DRAWINGS
4. JOINT TO BE SEALED WITH FLEXIBLE PLASTIC GASKET FOR JOINT CONDUIT, AASHTO SPECIFICATION M-198 OR MDOT SPECIFICATION.
5. 2 1/2" LIFTING HOLES TO BE LOCATED ON EACH SIDE OF BOX SECTIONS FOR HANDLING AND SHALL SEALED WATERTIGHT WITH NON-SHRINK GROUT INSIDE AND OUT.
6. GROUT FOR JOINING PIPE TO PRECAST UNITS WILL BE A COMMERCIAL, NON-SHRINK, MASONRY GROUT MEETING MDOT SPECIFICATIONS. ALL VOIDS SHALL BE FILLED WITH PIECES OF BLOCKS OR BRICKS PRIOR TO GROUTING. GROUTING REQUIRED INSIDE AND OUT. **PIPE CONNECTIONS TO INLETS SHALL NOT BE BACKFILLED WITHOUT ENGINEER'S INSPECTION AND APPROVAL.**
7. WHEN INTERIOR RISER UNITS ARE REQUIRED, UNITS SHALL BE MARKED TO IDENTIFY EACH UNIT.
6. INLET TOPS MAY BE PRECAST OR CAST IN PLACE AND SHALL MATCH THE LONGITUDINAL SLOPE OF THE CURB. POURED IN PLACE AND PRECAST STRUCTURES SHALL HAVE REBAR EXTENDED AND EXPOSED FOR CONNECTION WITH POURED IN PLACE TOPS.
7. INLETS WILL BE MEASURED FOR PAYMENT ON A PER EACH BASIS AS EITHER A SINGLE, SINGLE w/ EXTENSION, SINGLE w/ DOUBLE EXTENSION OR A DOUBLE INLET. ALL ASPECTS REQUIRED TO COMPLETELY INSTALL EACH INLET STRUCTURE SHALL BE INCLUDED EACH PAY ITEM.
8. CURB INLET TOP & CURB INLET EXTENSION TOP SHALL BE PLACED AT THE SAME GRADE AND CROSS SLOPE REQUIRED ON THE ROADWAY PLANS.

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REVISIONS:

DATE: 00/00/15 DRAWN: GAB
CHECKED: GAB SCALE: 1"=1'
REF C/L: EG SURFACE:
FG SURFACE:

PROJECT LOCATION: BERRYMAN ROAD VICKSBURG, MISSISSIPPI

CLIENT: NEW VISION VENTURE 200 RIVERWIND EAST DR. SUITE 200 PEARL, MS 39208

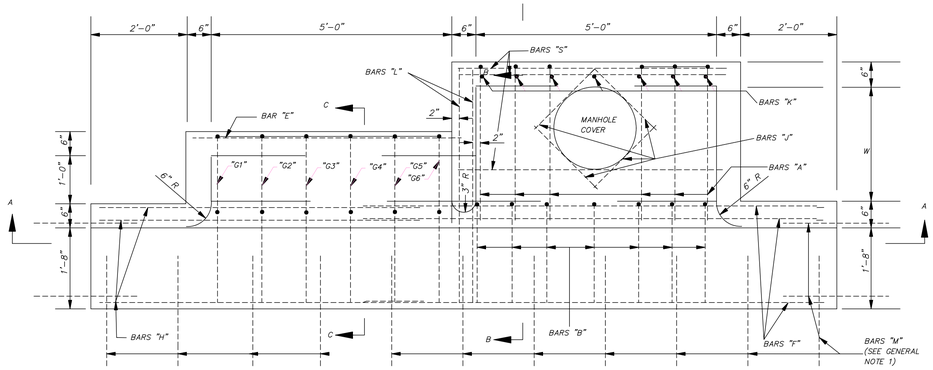
PROJECT: HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS: SS-22 CURB INLET - PRECAST

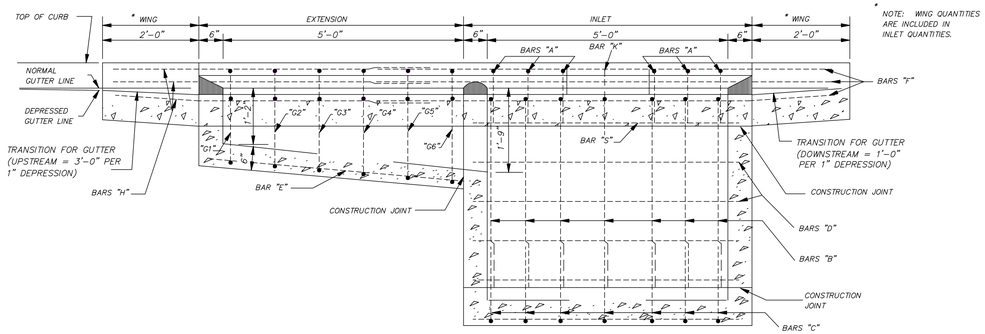
SHEET NUMBER C402

PROJECT NUMBER B-5657

FOR CONSTRUCTION

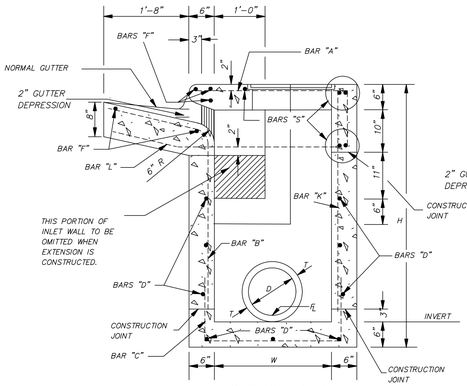


PLAN

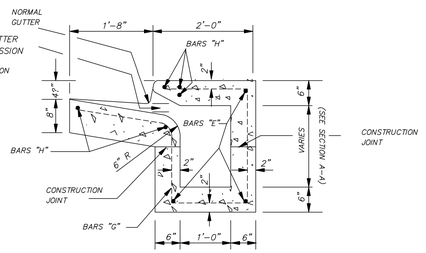


SECTION A–A

* NOTE: WING QUANTITIES ARE INCLUDED IN INLET QUANTITIES.

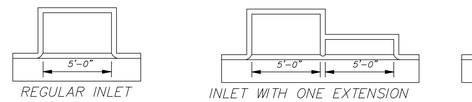


SECTION B–B



SECTION C–C

ADD. CONCRETE PER FOOT OF H		ADD. CONCRETE PER FOOT OF W	
W	yd3/ft	H	yd3/ft
2'–6"	0.315	3'–6"	0.315
3'–0"	0.333	4'–0"	0.333
3'–6"	0.352	4'–6"	0.352
4'–0"	0.371	5'–0"	0.370
4'–6"	0.389	5'–6"	0.389
5'–0"	0.408	6'–0"	0.408
5'–6"	0.426	6'–6"	0.426
6'–0"	0.445	7'–0"	0.445
6'–6"	0.463	7'–6"	0.463
7'–0"	0.481	8'–0"	0.482
		8'–6"	0.500

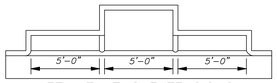


REGULAR INLET

5'–0" INLET
STEEL = 8.68W + 9.35Y + 3.79W' + 7.57H' + 121
CONC. = (WY + 5.5W + 6Y + 14.611)/27

INLET WITH ONE EXTENSION

10'–0" INLET
STEEL = 8.68W + 9.35Y + 3.79W' + 7.57H' + 231
CONC. = (WY + 5.5W + 6Y + 38.641)/27



INLET WITH TWO EXTENSIONS

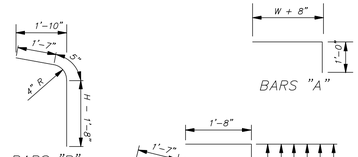
15'–0" INLET
STEEL = 8.68W + 9.35Y +3.79W' + 7.57H' +341
CONC = (WY + 5.5W + 6Y + 62.671)/27

PLAN OF INLET AND EXTENSIONS

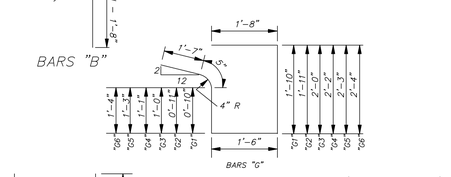
QUANTITIES FOR ONE EXTENSION					
BAR	SIZE	LENGTH	SPACING	NUMBER	WEIGHT
"E"	#4	5'–8"	AS SHOWN	3	11
"G"	#4	SEE SCHEDULE	0'–11"	6	34
"H"	#6	6'–9"	AS SHOWN	5	51
"L"	#6	4'–9"	AS SHOWN	2	14
TOTAL STEEL FOR ONE EXTENSION = 110 lbs					
TOTAL CONCRETE FOR ONE EXTENSION = 0.89 yd					

NOTE: WHERE EXTENSION IS USED WITH CONCRETE PAVEMENT, ADD 27 lbs OF STEEL FOR BARS "M".

BAR "G" SCHEDULE	
BAR "G"	LENGTH
"G1"	7'–10"
"G2"	8'–0"
"G3"	8'–2"
"G4"	8'–5"
"G5"	8'–8"
"G6"	8'–10"



BARS "A" BARS "B"



BARS "C" BARS "G" BARS "K"

BAR DETAILS

NOTES:
1. W AND H ARE EXPRESSED IN DECIMAL FEET.
2. W' = W ROUNDED TO NEAREST WHOLE FOOT.
3. Y = (H–0.5).
4. H'= (H – 2.08) ROUNDED TO NEAREST WHOLE FOOT.
5. NO DEDUCTIONS ARE MADE FOR PIPE OPENINGS IN FORMULAS.

NOTE;

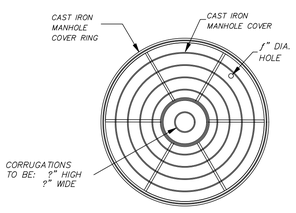
ALL INLET AND STORM MANHOLE CASTING LIDS SHALL STATE "NO DUMPING, DRAINS TO RIVER".

W=2'–6"	BILL OF REINFORCING STEEL FOR 1–5'–0" INLET																
H	BAR "A" L = 4'–2" #4 @ 9"		BAR "C" L = 5'–8" #4 @ 9"		BAR "S" L = 5'–8" #4 @ 12"		BAR "D" L = 5'–8" #4 @ 12"±		BAR "F" L=9'–8" #6		BAR "J" L=2'–3" #4		BAR "B" #4 @ 9"		BAR "K" #4 @ 9"±		•TOTAL STEEL	TOTAL CONC.
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	LGTH.	NO.	LGTH.	NO.	lbs	lbs	yd3
3'–6"	6	17	7	27	5	19	5	19	5	73	4	6	3'–10"	7	18	2'–7"	7	12	190	1.99
4'–0"	6	17	7	27	5	19	7	26	5	73	4	6	4'–4"	7	20	3'–1"	7	14	202	2.15
4'–6"	6	17	7	27	5	19	7	26	5	73	4	6	4'–10"	7	23	3'–7"	7	17	207	2.31
5'–0"	6	17	7	27	5	19	9	34	5	73	4	6	5'–4"	7	25	4'–1"	7	19	219	2.47
5'–6"	6	17	7	27	5	19	9	34	5	73	4	6	5'–10"	7	27	4'–7"	7	21	224	2.62
6'–0"	6	17	7	27	5	19	11	42	5	73	4	6	6'–4"	7	30	5'–1"	7	24	238	2.78
6'–6"	6	17	7	27	5	19	11	42	5	73	4	6	6'–10"	7	32	5'–7"	7	26	240	2.94
7'–0"	6	17	7	27	5	19	13	49	5	73	4	6	7'–4"	7	34	6'–1"	7	28	253	3.10
7'–6"	6	17	7	27	5	19	13	49	5	73	4	6	7'–10"	7	37	6'–7"	7	31	257	3.25

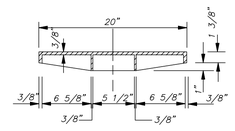
W=3'–0"	BILL OF REINFORCING STEEL FOR 1–5'–0" INLET																
H	BAR "A" L = 4'–8" #4 @ 9"		BAR "C" L = 6'–2" #4 @ 9"		BAR "S" L = 5'–8" #4 @ 12"		BAR "D" L = 5'–8" #4 @ 12"±		BAR "F" L=9'–8" #6		BAR "J" L=2'–3" #4		BAR "B" #4 @ 9"		BAR "K" #4 @ 9"±		•TOTAL STEEL	TOTAL CONC.
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	LGTH.	NO.	LGTH.	NO.	lbs	lbs	yd3
3'–6"	6	19	7	29	5	19	5	19	5	73	4	6	3'–10"	7	18	2'–7"	7	12	194	2.15
4'–0"	6	19	7	29	5	19	7	26	5	73	4	6	4'–4"	7	20	3'–1"	7	14	206	2.32
4'–6"	6	19	7	29	5	19	7	26	5	73	4	6	4'–10"	7	23	3'–7"	7	17	211	2.49
5'–0"	6	19	7	29	5	19	9	34	5	73	4	6	5'–4"	7	25	4'–1"	7	19	223	2.65
5'–6"	6	19	7	29	5	19	9	34	5	73	4	6	5'–10"	7	27	4'–7"	7	21	228	2.82
6'–0"	6	19	7	29	5	19	11	42	5	73	4	6	6'–4"	7	30	5'–1"	7	24	240	2.99
6'–6"	6	19	7	29	5	19	11	42	5	73	4	6	6'–10"	7	32	5'–7"	7	26	245	3.15
7'–0"	6	19	7	29	5	19	13	49	5	73	4	6	7'–4"	7	34	6'–1"	7	28	257	3.32
7'–6"	6	19	7	29	5	19	13	49	5	73	4	6	7'–10"	7	37	6'–7"	7	31	262	3.49

W=3'–6"	BILL OF REINFORCING STEEL FOR 1–5'–0" INLET																
H	BAR "A" L = 5'–2" #4 @ 9"		BAR "C" L = 6'–8" #4 @ 9"		BAR "S" L = 5'–8" #4 @ 12"		BAR "D" L = 5'–8" #4 @ 12"±		BAR "F" L=9'–8" #6		BAR "J" L=2'–3" #4		BAR "B" #4 @ 9"		BAR "K" #4 @ 9"±		•TOTAL STEEL	TOTAL CONC.
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	LGTH.	NO.	LGTH.	NO.	lbs	lbs	yd3
3'–6"	6	21	7	31	5	19	6	23	5	73	4	6	3'–10"	7	18	2'–7"	7	12	202	2.31
4'–0"	6	21	7	31	5	19	8	30	5	73	4	6	4'–4"	7	20	3'–1"	7	14	214	2.49
4'–6"	6	21	7	31	5	19	8	30	5	73	4	6	4'–10"	7	23	3'–7"	7	17	219	2.66
5'–0"	6	21	7	31	5	19	10	38	5	73	4	6	5'–4"	7	25	4'–1"	7	19	231	2.84
5'–6"	6	21	7	31	5	19	10	38	5	73	4	6	5'–10"	7	27	4'–7"	7	21	236	3.01
6'–0"	6	21	7	31	5	19	12	45	5	73	4	6	6'–4"	7	30	5'–1"	7	24	248	3.19
6'–6"	6	21	7	31	5	19	12	45	5	73	4	6	6'–10"	7	32	5'–7"	7	26	253	3.37
7'–0"	6	21	7	31	5	19	14	53	5	73	4	6	7'–4"	7	34	6'–1"	7	28	265	3.54
7'–6"	6	21	7	31	5	19	14	53	5	73	4	6	7'–10"	7	37	6'–7"	7	31	270	3.72

* NOTE: WHERE INLET IS USED WITH CONCRETE PAVEMENT, ADD 73 lbs OF STEEL FOR BARS "M".



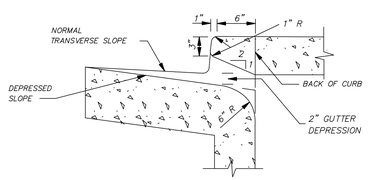
PLAN



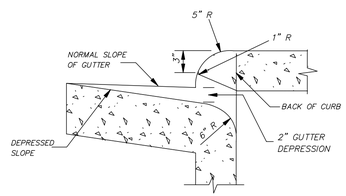
SECTION THRU MANHOLE COVER

GENERAL NOTES:

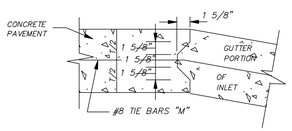
1. WHERE INLET WITH EXTENSION(S) IS USED WITH CONCRETE PAVEMENT WITH INTEGRAL CURB, THE PAVEMENT IS TO BE BLOCKED OUT TO THE DIMENSIONS AS SHOWN FOR THE GUTTER PORTIONS OF THE INLET WITH EXTENSION(S). THE PORTION BLOCKED OUT SHALL BE PLACED INTEGRAL WITH THE TOP OF THE INLET OR INLET WITH EXTENSION(S). #8 DEFORMED BARS 30" LONG SHALL BE PLACED ON 18" CENTERS AT THE CENTER OF THE PAVEMENT. THESE BARS SHALL EXTEND INTO THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSION(S) 15". THE CONSTRUCTION JOINT BETWEEN THE CONCRETE PAVEMENT AND THE INLET OR INLET WITH EXTENSION(S) SHALL BE A KEYED JOINT AS SHOWN. A SMOOTH CONSTRUCTION JOINT WILL NOT BE PERMITTED. QUANTITIES FOR BLOCKED OUT AREA OF PAVEMENT SHALL BE INCLUDED IN QUANTITIES FOR THE INLET OR INLET WITH EXTENSION(S).
2. THE STANDARD SPECIFICATIONS ADOPTED BY THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION SHALL APPLY TO ALL ITEMS ON THIS SHEET.
3. THE QUANTITIES SHOWN, MINUS VOLUMETRIC DISPLACEMENT OF CONCRETE BY PIPE CULVERTS THROUGH INLET WALLS, WILL BE USED AS THE BASIS OF FINAL PAYMENT UNLESS THIS PLAN IS MODIFIED.
4. FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLE ARE INCREMENTS OF 6", BUT ANY DEPTHS OTHER THAN THESE SHOWN MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS, FALLING WITHIN THE LIMITS OF THE TABLE, MAY BE FOUND BY INTERPOLATION.
5. FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE STORM SEWER. NO DEDUCTIONS ARE TO BE MADE IN STEEL QUANTITIES.
6. INLET TOPS MAY BE PRECAST OR CAST IN PLACE AND SHALL MATCH THE LONGITUDINAL SLOPE OF THE CURB. PRECAST AND POURED IN PLACE STRUCTURES SHALL HAVE REBAR EXTENDED AND EXPOSED FOR CONNECTION WITH POURED IN PLACE TOPS.
7. ALL ASPECTS REQUIRED TO COMPLETELY INSTALL EACH INLET STRUCTURE SHALL BE INCLUDED IN THE ASSOCIATED PAY ITEMS.
8. INLETS WILL BE MEASURED FOR PAYMENT ON A PER EACH BASIS AS EITHER A SINGLE, SINGLE w/ EXTENSION, SINGLE w/ DOUBLE EXTENSION OR A DOUBLE INLET.



THROAT DETAIL OF BARRIER CURB

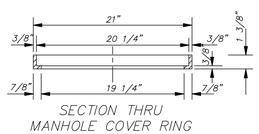


THROAT DETAIL OF ROLLED CURB



DETAIL OF KEYED CONSTRUCTION JOINTS

NOTE: FIELD BEND BARS "L" TO CENTER OF GUTTER SECTION



SECTION THRU MANHOLE COVER RING

NOTE: WEIGHT OF RING & COVER = 79 lbs

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REVISIONS:

DATE: 05/03/19 | DRAWN: BCB | SCALE: 1"=1"
CHECKED: GAB | REF C/L:
EG SURFACE:
FG SURFACE:

PROJECT LOCATION: BERRYMAN ROAD VICKSBURG, MISSISSIPPI

CLIENT: NEW VISION VENTURE 200 RIVERWIND EAST DR. SUITE 200 PEARL, MS 39208

PROJECT: HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS: SS-2 CURB INLET - POURED IN PLACE

SHEET NUMBER C403

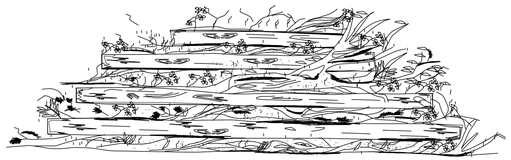
PROJECT NUMBER B-5657

Species	Seeding Rate/Ac	Planting Time	Desired pH Range	Fertilization Rate/Ac	Method of Establishing
Common Bermuda	15 lbs. alone 10 lbs. mixture	Mar 1 – July 15 Sept 1 – Nov 30	6.0 – 7.0	600 lbs. 13–13–13	Seed
Bahia	40 lbs. alone 30 lbs. mixture	Mar 1 – July 15 Sept 1 – Nov 30	6.0 – 7.0	600 lbs. 13–13–13	Seed
Fescue	40 lbs. alone 30 lbs. mixture	Sept 1 – Nov 30	6.0 – 7.0	600 lbs. 13–13–13	Seed
Sericea Lespedeza	40 lbs. alone	Mar 1 – July 15 Sept 1 – Nov 30	6.0 – 7.0	400 lbs. 6–24–24	Seed
*Wheat	90 lbs.	Sept 1 – Nov 30	6.0 – 7.0	600 lbs. 13–13–13	Seed
*Ryegrass	30 lbs.	Sept 1 – Nov 30	6.0 – 7.0	600 lbs. 13–13–13	Seed
*White Clover	5 lbs.	Sept 1 – Nov 30	6.0 – 7.0	400 lbs. 6–24–24	Seed
*Crimson Clover	15 lbs.	Sept 1 – Nov 30	6.0 – 7.0	400 lbs. 6–24–24	Seed
*Hairy Vetch	30 lbs.	Sept 1 – Nov 30	6.0 – 7.0	400 lbs. 6–24–24	Seed
*Browntop Millet	40 lbs. alone 15 lbs. mixture	Apr 1 – Aug 30	6.0 – 7.0	600 lbs. 13–13–13	Seed

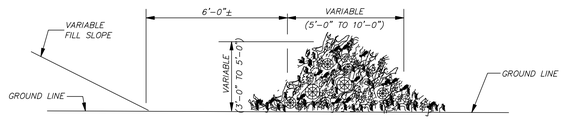
*ANNUAL

NOTES:
1. FOR PERMANENT SEEDING, ANNUALS CAN ONLY BE USED IN A MIXTURE WITH PERENNIALS.
2. SPECIES THAT ARE TO BE SPREAD AS SOLID SOD ARE NOT LISTED (i.e. ST. AUGUSTINE, CENTIPEDE, CARPET GRASS, & ZOYSIA)
3. DURING THE MONTHS OF DECEMBER THROUGH FEBRUARY MULCHING IS THE ONLY OPTION ALLOWED.

GENERAL RECOMMENDATIONS FOR TEMPORARY/PERMANENT SEEDING



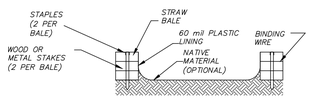
FRONT ELEVATION



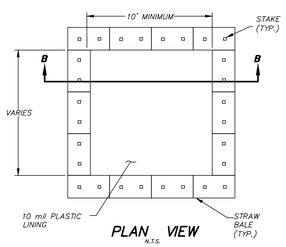
SIDE ELEVATION

NOTES:
1. BRUSH BARRIER TO BE USED WHERE NATURAL GROUND COVER IS LEVEL OR SLOPING AWAY FROM PROJECT.
2. PLACE BRUSH, LOG AND TREE LAPS APPROXIMATELY PARALLEL TO TOE OF FILL SLOPE WITH SOME OF THE HEAVIER MATERIALS BEING PLACED ON TOP TO PROPERLY SECURE THE BARRIER AS DETAILED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. TO ALLOW WATER TO FLOW THROUGH THE BRUSH BARRIER, INTERMINGLE THE BRUSH, LOG AND TREE LAPS SO AS NOT TO FROM A SOLID DAM.

TEMPORARY BRUSH BARRIER
N.T.S.



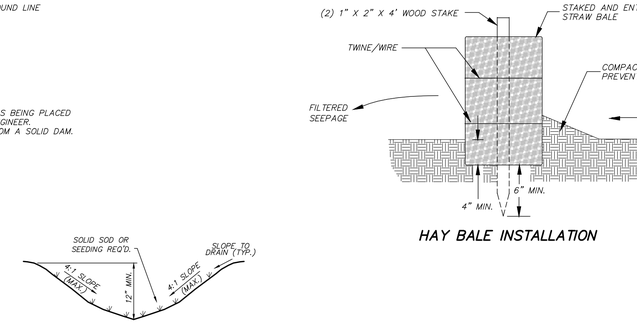
SECTION B–B
N.T.S.



PLAN VIEW
N.T.S.

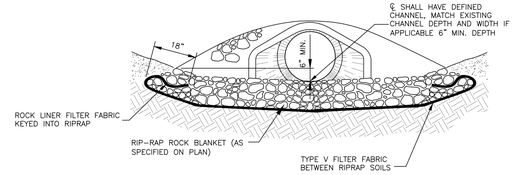
STRAW BALE CONCRETE WASHOUT AREA

NOTES:
1. LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY THE ENGINEER OR ENGINEER'S REPRESENTATIVE.
2. IF CONCRETE WASHOUT AREA EXHIBITS LEAKAGE OR PROVES TO BE INADEQUATE FOR IT'S INTENDED PURPOSE, THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE.
3. IF REQUIRED BY ENGINEER OR C.O.J., AREAS IMMEADIATELY DOWNSTREAM/DOWNSLOPE SHALL INCLUDE A SECONDARY STORMWATER RUNOFF POLLUTION PREVENTION MEASURE.
4. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE APPROVED STORMWATER MANAGEMENT PLAN.

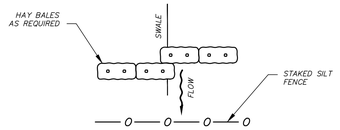


NOTES:
1. VEHICLE TRACKING MAT SHALL BE LOCATED AT EVERY ENTRANCE/EXIT TO THE CONSTRUCTION SITE.
2. VEHICLE TRACKING MAT SHALL BE MAINTAINED BY CONTRACTOR AS NEEDED TO PREVENT ANY MATERIAL FROM BEING TRACKED ONTO CITY STREET.
3. SEDIMENT AND OTHER MATERIAL SPILLED, DROPPED OR TRACKED ONTO CITY STREET SHALL BE IMMEDIATELY REMOVED BY CONTRACTOR.

TEMPORARY CONSTRUCTION ENTRANCE DETAIL



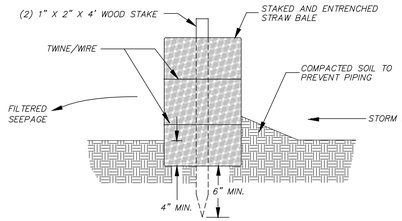
TYPICAL RIP-RAP SECTION AT STORM DRAIN CULVERT



PLAN

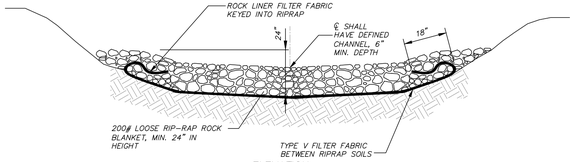
ELEVATION

HAY BALE INSTALLATION NOTES:
1. HAY BALES SHALL BE TRENCHED 3" TO 4" AND STAKED WITH (2) 1"X2"X4" WOOD STAKES PER BALE.
2. SILT FENCE SHALL BE DOWN STREAM OF HAY BALES.
3. ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FROM PASSING.

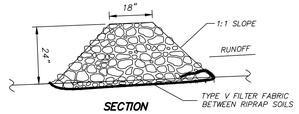


HAY BALE INSTALLATION

SWALE SECTION
N.T.S.

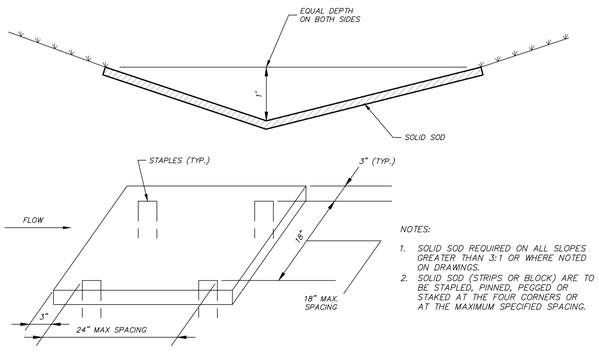


ELEVATION



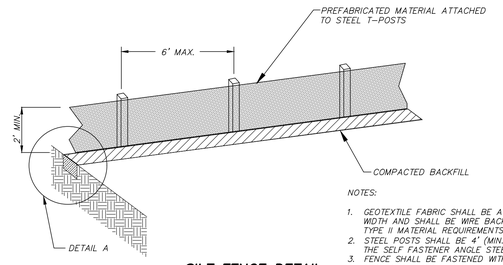
SECTION

RIP–RAP BERM DETAIL
N.T.S.



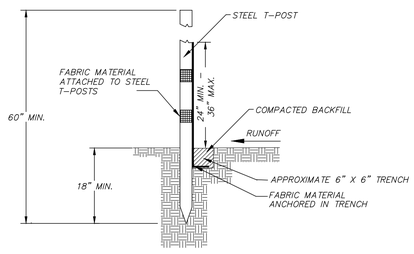
NOTES:
1. SOLID SOD REQUIRED ON ALL SLOPES GREATER THAN 3:1 OR WHERE NOTED ON DRAWINGS.
2. SOLID SOD (STRIPS OR BLOCK) ARE TO BE STAPLED, PINNED, PEGGED OR STAKED AT THE FOUR CORNERS OR AT THE MAXIMUM SPECIFIED SPACING.

SOLID SOD TREATMENT



SILT FENCE DETAIL

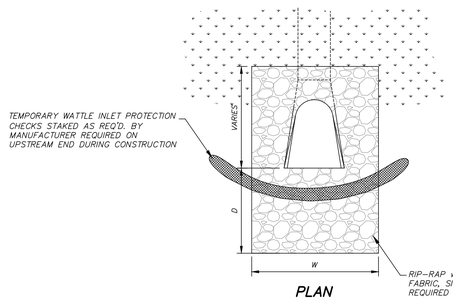
NOTES:
1. GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE WIRE BACKED OR MEET MDOT TYPE II MATERIAL REQUIREMENTS.
2. STEEL POSTS SHALL BE 4' (MIN.) IN HEIGHT AND OF THE SELF FASTENER ANGLE STEEL TYPE.
3. FENCE SHALL BE FASTENED WITH NOT LESS THAN 9 GAGE STAPLES 1" LONG FOR WOODEN POSTS AND 3/4" FOR WOODEN STAKES.
4. ALLOW A 6" OVERLAP OF FABRIC AT JOINTS.



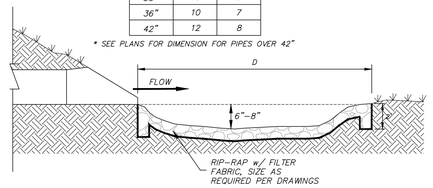
SILT FENCE DETAILS

TYPICAL RIP–RAP TREATMENT DIMENSIONS		
PIPE	D	W
15"	5	4
18"	6	4
24"	8	5
30"	10	6
36"	10	7
42"	12	8

* SEE PLANS FOR DIMENSION FOR PIPES OVER 42"



PLAN



DOWNSTREAM ELEVATION

NOTES:
1. RIP–RAP TREATMENT REQUIRED AT ALL CULVERTS UPSTREAM AND DOWNSTREAM ENDS.
2. RIP–RAP TREATMENT ON UPSTREAM AND DOWNSTREAM ENDS SHALL TOTALLY SURROUND CULVERT TO A MINIMUM OF 12" ABOVE THE TOP OF THE PIPE.
3. SEE CHART FOR DIMENSIONS FOR D & W UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
4. EROSION CONTROL BLANKETS OR OTHER MEANS FOR PROTECTION MAY BE USED WITH APPROVAL OF ENGINEER.
5. RIP–RAP WILL BE PAID FOR BY THE SQUARE YARD.
6. RIP–RAP DIMENSIONS SHOWN ON THE SCHEDULE ARE TYPICAL AND MAY BE ADJUSTED BY ENGINEER AT NO COST TO THE OWNER.

CULVERT RIP–RAP OUTLET PROTECTION

BENCHMARK
ENGINEERING & SURVEYING, LLC
101 Highpointe Court, Suite B, Brandon, Mississippi 39042
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E-mail: gbonds@benchmarkms.net

REVISIONS:

DATE: 05/03/19 | DRAWN: BCB
CHECKED: GAB | SCALE: 1"=1'
REF C/L: | EG SURFACE:
FG SURFACE:

PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

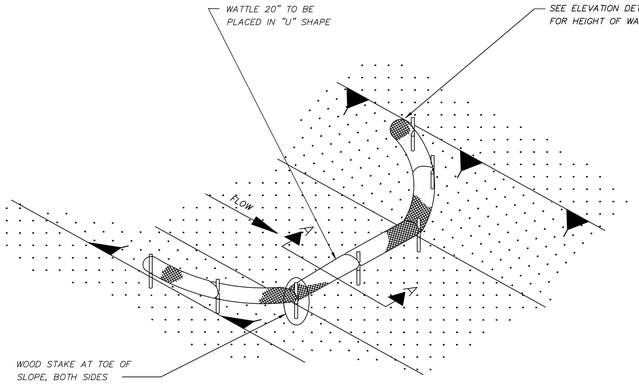
CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

PROJECT:
HOME2SUITES - VICKSBURG, MS

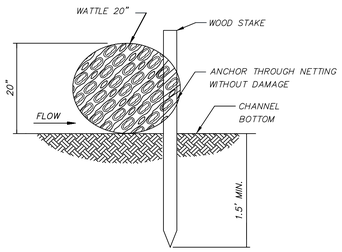
SHEET CONTENTS:
EROSION CONTROL DETAILS

SHEET NUMBER
C404

PROJECT NUMBER
B-5657



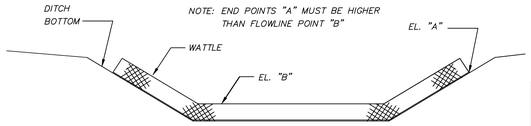
DETAIL (DITCH CHECK)



SECTION A–A

NOTES:

1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON ECD–4
2. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, DRIVEN, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET. ALL NON–DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.
4. WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.

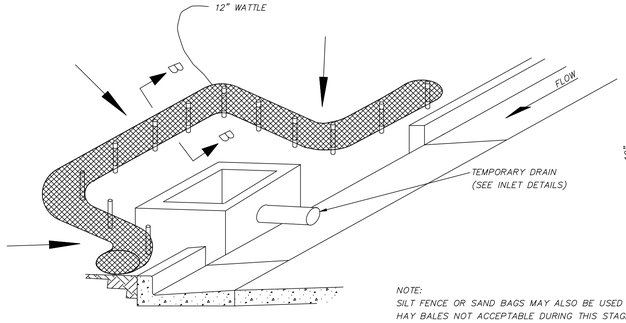


ELEVATION DETAIL

WATTLE DITCH CHECK SELECTION GUIDELINES

WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.

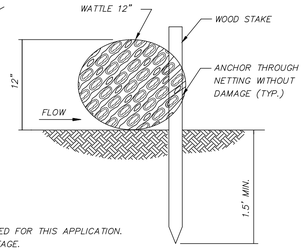
WATTLE DITCH CHECK



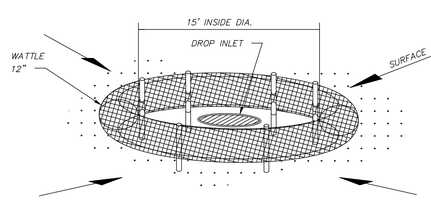
NOTE:
SILT FENCE OR SAND BAGS MAY ALSO BE USED FOR THIS APPLICATION.
HAY BALES NOT ACCEPTABLE DURING THIS STAGE.

CURB INLET PROTECTION (STAGE 2)

SINGLE OR DOUBLE WING INLET



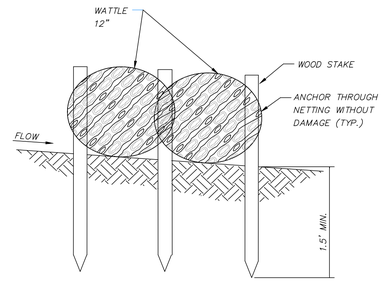
SECTION B–B



DROP INLET PROTECTION

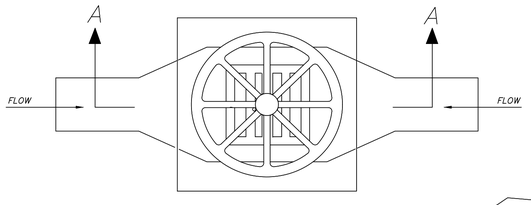
NOTES:

1. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
2. OVERLAP ENDS OF WATTLES PER MANUFACTURERS RECOMMENDATIONS (1"MIN.,3"MAX.).
3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.

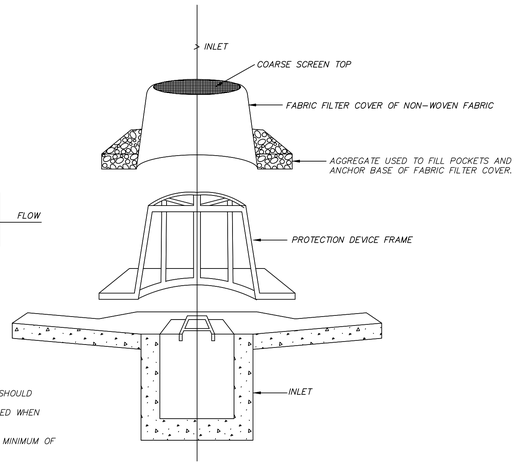


SECTION A–A

WATTLE INLET PROTECTION



PLAN

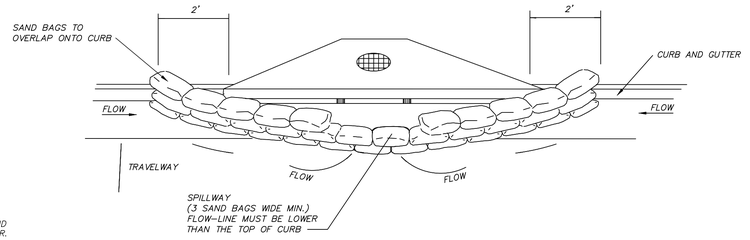


SECTION "A–A"

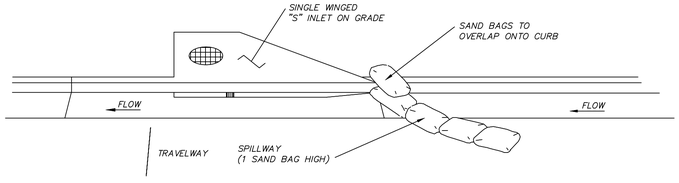
NOTES:

1. FRAMES WITH EITHER SQUARE OR CIRCULAR BASES MAY BE USED. SELECTED FRAME BASE SHOULD PROVIDE BEST SEAL AROUND INLET AS DIRECTED BY THE ENGINEER.
2. FILL POCKETS AROUND BASE OF FILTER COVER WITH #57 STONE OR SOIL. STONE IS REQUIRED WHEN ANCHORING THE MANUFACTURED INLET PROTECTION DEVICE OVER PAVED DITCH OR FLUME.
3. USE ONLY DURING STAGE 3 OR STAGE 4 INLET CONSTRUCTION.
4. FOR MEDIAN INLET PROTECTION, THE ELEVATION OF THE COARSE SCREEN TOP SHOULD BE A MINIMUM OF 6" BELOW THE ELEVATION OF THE OUTSIDE EDGE OF THE INSIDE SHOULDER.

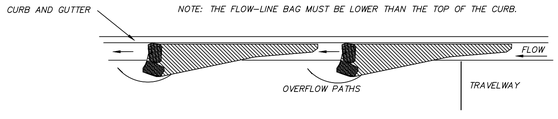
MANUFACTURED INLET PROTECTION DEVICE



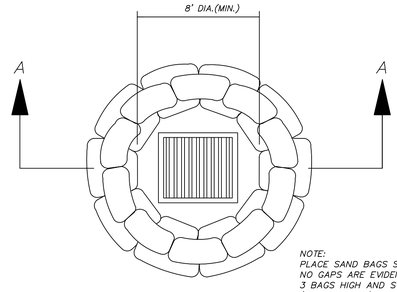
TYPICAL (SAND BAG) PROTECTION FOR INLET IN SAG



TYPICAL (SAND BAG) PROTECTION FOR INLET ON GRADE



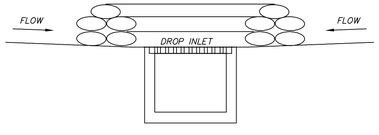
CURB AND GUTTER SEDIMENT CONTAINMENT SYSTEM



NOTE:
PLACE SAND BAGS SO THAT NO GAPS ARE EVIDENT.
3 BAGS HIGH AND STAGGERED.
(80 BAGS MIN.)

DROP INLET

PLAN VIEW



SECTION A–A

SAND BAG BARRIER

CURB INLET PROTECTION NOTES:

1. THIS CURB INLET PROTECTION METHOD CAN BE USED DURING ANY STAGE OF BASE AND PAVEMENT CONSTRUCTION.
2. BAG HEIGHT AND NUMBER OF BAGS SHOULD BE BASED ON CURB HEIGHT AND USE OF TRAVELWAY.
3. SEDIMENT SHOULD BE CONTROLLED PRIOR TO ENTERING GUTTER. GUTTER CHECKS AND INLET PROTECTION ARE FOR SECONDARY CONTROL.
4. REMOVE ACCUMULATED SEDIMENT AFTER EVERY RAINFALL. SWEEP SEDIMENT FROM HARD SURFACES AND DISPOSE OF APPROPRIATELY AWAY FROM INLETS AND/OR WATER BODIES.
5. IF DENUDED AREAS EXIST BEHIND THE INLET, A SEDIMENT BARRIER SHOULD BE INSTALLED AROUND IT'S PERIMETER TO CONTROL SEDIMENT.

SAND BAG INLET PROTECTION

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E-mail: gbonds@benchmarkms.net

REVISIONS:

DATE: 05/03/19
CHECKED: GAB
DRAWN: BCB
SCALE: 1"=1'
REF C/L:
EG SURFACE:
FG SURFACE:

PROJECT LOCATION:
BERRYMAN ROAD
VICKSBURG, MISSISSIPPI

CLIENT:
NEW VISION VENTURE 200 RIVERWIND EAST DR.
SUITE 200 PEARL, MS 39208

PROJECT:
HOME2SUITES - VICKSBURG, MS

SHEET CONTENTS:
EROSION CONTROL DETAILS

SHEET NUMBER
C405

PROJECT NUMBER
B-5657

STRUCTURAL NOTES

BASIS OF DESIGN
IBC 2015
ASCE 7–10

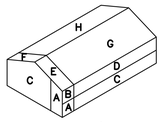
DESIGN LOADS

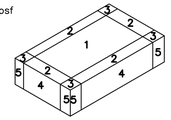
DL1. LIVE LOADS
a. FIRST FLOOR 100 psf
b. TYPICAL FLOOR 40 psf
c. CORRIDORS SERVING ROOMS 40 psf
d. MECHANICAL ROOMS EQUIPMENT WEIGHT NOT LESS THAN 125 psf

DL2. ROOF 20 psf

DL3. GROUND SNOW LOAD 10 psf
a. SNOW EXPOSURE FACTOR Ce 0.9
b. THERMAL FACTOR Ct 1.0
c. SNOW IMPORTANCE FACTOR I 1.0
d. FLAT ROOF SNOW LOAD 0.7*pg*Ce*Ct*I 6.3 psf

DL4. WIND LOAD
a. WIND SPEED 90 mph
b. WIND SPEED 115 mph ULTIMATE
c. WIND IMPORTANCE FACTOR 1.00
d. RISK CATEGORY II
e. WIND EXPOSURE C
f. INTERNAL PRESSURE COEFFICIENT – ASD
ZONE A 19.9 psf
ZONE B –10.4 psf
ZONE C 13.2 psf
ZONE D –10.0 psf
ZONE E –24.0 psf
ZONE F –13.7 psf
ZONE G –16.7 psf
ZONE H –10.6 psf
OVERHANG
ZONE Eoh –33.6 psf Goh –26.3 psf
PARAPET LOAD –38.2 psf





g. COMPONENTS AND CLADDING
ZONE 1 10.0 psf –22.7 psf
ZONE 2 10.0 psf –38.0 psf
ZONE 3 10.0 psf –57.3 psf
ZONE 4 22.7 psf –24.6 psf
ZONE 5 22.7 psf –30.4 psf
ROOF OVERHANG ZONE 2 –32.7 psf
ZONE 3 –55.9 psf

h. WIND BASE SHEAR
Vxult= 105 kips Vyult = 249 kips
Vxasd= 64 kips Vyasd =152 kips

DL5. SEISMIC DESIGN DATA

a. SEISMIC IMPORTANCE FACTOR 1.00
b. MAPPED SPECTRAL RESPONSE ACCELERATION Ss=0.156
S1=0.086
c. SITE CLASS D
d. SPECTRAL RESPONSE COEFFICIENTS Sds=0.167
Sd1=0.138
e. SEISMIC DESIGN CATEGORY C
f. BASIC SEISMIC FORCE RESISTING SYSTEM
LIGHT FRAMED WALLS SHEATHED WITH WOOD
g. DESIGN BASE SHEAR 42 KIPS
h. RESPONSE MODIFICATION FACTORS R=6.5
i. SEISMIC RESPONSE COEFFICIENT Cd=4.0
j. ANALYSIS PROCEDURE –– EQUIVALENT FORCE METHOD

DL6. DESIGN DEAD LOADS

a. FLOOR DEAD LOAD

WOOD FRAMING	=	5 psf
3/4" T&G PLYWOOD	=	2 psf
1½" GYPSUM TOPPING	=	14 psf
5/8" DRYWALL CEILING	=	2 psf
WALLS	=	8 psf
MECHANICAL DUCTS & PIPING	=	4 psf
TOTAL DEAD LOAD	=	35 psf

b. ROOF DEAD LOAD

WOOD FRAMING	=	5 psf
5/8" PLYWOOD	=	2 psf
5/8" DRYWALL CEILING	=	2 psf
MECHANICAL DUCTS & LIGHTING	=	4 psf
6" INSULATION AVERAGE	=	2 psf
ROOFING	=	10 psf
TOTAL DEAD LOAD	=	25 psf

FOUNDATIONS

FD1. SOIL BEARING PRESSURE 2,100 psf WALL FOOTINGS
2,400 psf COLUMN FOOTINGS

GEOTECHNICAL INVESTIGATION REPORT PREPARED BY:
GEOTECHNICAL ASSOCIATES NETWORK, LLC
110 BEECHTREE ROAD
VICKSBURG, MISSISSIPPI 39183–7464

FD2. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL INVESTIGATION REPORT FOR RECOMMENDATIONS FOR SUB–GRADE BUILDING PAD AND FOUNDATION BEARING PREPARATIONS. CONTRACTOR SHALL FOLLOW REPORTS RECOMMENDATIONS FOR BUILDING PAD AND OPEN FOUNDATION PROTECTION FROM WEATHER. EXTERIOR AND PERIMETER BUILDING FOUNDATION SHALL NOT BEAR ABOVE THE LOCAL FROST LINE. REFER TO ARCHITECTURAL DRAWINGS FOR PERIMETER SLAB/FOUNDATION INSULATION REQUIREMENTS.

FD3. BACK FILL

CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO BRACE WALLS DURING BACKFILLING. CARE SHALL BE TAKEN DURING PLACEMENT OF BACKFILL ALONG THE WALL SO AS TO NOT OVERLOAD THE WALL DUE TO HEAVY EQUIPMENT. ONLY LIGHTWEIGHT (A MAXIMUM OF ONE TON TOTAL WEIGHT) EQUIPMENT SHALL BE PERMITTED WITHIN THE CRITICAL ZONE DEFINED AS BEGINNING AT THE BASE OF THE WALL ON A 1:1 SLOPE.

STRUCTURAL CONCRETE

CO1. CONCRETE SHALL BE IN ACCORDANCE WITH ACI MANUAL 315 AND STANDARD 318. CONCRETE SHALL BE OF REGULAR AGGREGATE AND SHALL HAVE DESIGN COMPRESSIVE STRESS AT 28 DAYS AS FOLLOWS:

a. f'c = 3,000 psi FOR FOUNDATIONS AND FOUNDATION WALLS.
b. f'c = 3,000 psi FOR SLAB ON GRADE
c. f'c = 3,500 psi AIR ENTRAINED FOR EXTERIOR CONCRETE
d. f'c = 4,000 psi FOR ELEVATED SLABS

CO2. PROVIDE AIR ENTRAINED CONCRETE FOR CONCRETE EXPOSED TO WEATHER.

CO3. SLAB ON GRADE
a. PROVIDE A 5" CONCRETE SLAB WITH #4@12" o.c. EACH WAY OVER 8 MIL POLY VAPOR RETARDER.

CO4. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ALL MOLDS, GROOVES, ETC. AND FOR LOCATIONS OF SLEEVED AND INSERTS TO BE CAST IN CONCRETE SLABS AND FLOORS.

CO5. FOR SIZE, NUMBER AND LOCATIONS OF ALL SLAB OPENINGS AND MECHANICAL HOUSEKEEPING PADS SEE ARCHITECTURAL AND MECHANICAL DRAWINGS. PROVIDE MECHANICAL HOUSEKEEPING PADS AS REQUIRED AND REINFORCE WITH #4@12" EACH WAY U.N.O. DOWEL PADS INTO SUPPORTING SLAB.

CO6. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. DETAILING SHALL BE IN ACCORDANCE WITH ACI MANUAL 315 AND STANDARD 318. LAP SPLICES IN CONCRETE SHALL BE IN ACCORDANCE WITH CHAPTER 12 OF ACI 318–08. REINFORCING STEEL SHALL HAVE A MINIMUM CONCRETE COVER AS TABULATED BELOW UNLESS OTHERWISE NOTED:

a. WALLS 1 1/2"
b. FOUNDATIONS 2" FOR FORMED CONCRETE
c. 3" WHERE CONCRETE IS CAST AGAINST GROUND

CO7. MINIMUM SPLICE & EMBEDMENT LENGTHS

BAR SIZE	MIN EMBEDMENT, (IN) MIN LAP (IN) OTHER–TOP	STRAIGHT OTHER–TOP	STD HOOK ALL BARS
#3	12 – 14	12 – 14	6
#4	15 – 19	15 – 19	7
#5	18 – 24	18 – 23	9
#6	22 – 28	22 – 28	10
#7	25 – 33	25 – 33	12
#8	29 – 37	29 – 37	14

MASONRY

MA1. REINFORCED MASONRY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION FOR LOAD BEARING CONCRETE MASONRY PUBLISHED BY THE NATIONAL CONCRETE MASONRY ASSOCIATION.

MA2. REINFORCED BRICK LINTELS SHALL BE IN ACCORDANCE WITH THE TECHNICAL NOTES 17TH PUBLISHED BY THE BRICK INSTITUTE OF AMERICA, AND "BUILDING CODE REQUIREMENTS FOR ENGINEERED BRICK MASONRY", BY STRUCTURAL CLAY PRODUCTS INSTITUTE.

MA3. ALL CONCRETE HOLLOW BLOCK UNITS SHALL BE NORMAL WEIGHT 2 CELL UNITS AND CONFORM TO ASTM C–90. ALL UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF f'm = 1,350 psi.

MA4. COURSE GROUT SHALL CONFORM TO THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRESS OF 3000 psi AT 28 DAYS.

MA5. MORTAR SHALL BE TYPE M OR TYPE S. MORTAR SHALL NOT BE USED FOR GROUT FILL.

MA6. ALL CONCRETE HOLLOW BLOCK UNITS SHALL BE LAID IN A RUNNING BOND PATTERN.

MA7. LAP ALL REINFORCING BARS IN MASONRY 40 BAR DIAMETERS AT SPLICES.

MA8. HORIZONTAL REINFORCING BARS SHALL BE IN BOND BEAM BLOCKS AT FLOORS AND ROOF. WHERE HORIZONTAL REINFORCING BARS ARE REQUIRED BETWEEN FLOORS, BARS SHALL BE IN INTERMEDIATE (OPEN BOTTOM) BOND UNITS.

MA9. HORIZONTAL JOINT REINFORCING SHALL BE CONTINUOUS AROUND ALL CORNERS AND INTERSECTIONS AND SHALL BE LAPPED 8" AT SPLICES. HORIZONTAL JOINT REINFORCING SHALL BE TRUSS TYPE NO. 9 WIRE, GALVANIZED AND SPACED AT 16" o.c.

MA10. FILL ALL CMU AND CAVITY BETWEEN INTERIOR AND EXTERIOR WYTHE BELOW FINISH FLOOR WITH GROUT OR MORTAR.

MA11. PROVIDE BOND BEAMS AT TOPS OF ALL WALLS WITH 2 #5 CONT. AND WHERE WALLS ARE TO UNDERSIDE OF ROOF, GROUT TIGHT TO ROOF.

MA12. FOR WALLS GREATER THAN 12'–0" HIGH PROVIDE BOND BEAMS AT 8'–0" ON CENTER WITH 2 #5 CONT.

STRUCTURAL STEEL

ST1. STRUCTURAL STEEL SHALL BE IN ACCORDANCE AISC 360–10:
a. ALL STRUCTURAL A992
b. MISC STEEL, CHANNELS, ANGLES, PLATES A36
c. STEEL TUBING ASTM A500 GRADE B
d. SHOP AND FIELD WELDS E70XX ELECTRODES
e. BOLTS (3/4" DIAMETER MIN) A325 HIGH STRENGTH BEARING TYPE CONNECTIONS – SNUG TIGHT.
f. ANCHOR BOLTS F1554 GR. 36
g. COLUMN BASE PLATES 3/4" BENT UNO 5" PROJECTION + 9" EMBED + 3" BEND
h. WOOD SILL PLATES LOAD BEARING & SHEARWALLS 5/8" BENT UNO 5" PROJECTION + 7" EMBED + 3" BEND WITH 1/4"x3"x3" PLATE WASHER
i. NON–LOAD BEARING 5/8" BENT UNO 5" PROJECTION + 7" EMBED + 3" BEND WITH STANDARD WASHER

ST2. CONTRACTOR MAY USE EXPANSION BOLTS OR EPOXY BOLTS IN LIEU OF ANCHOR BOLTS FOR WOOD SILL PLATES. USE 5/8" EXPANSION BOLTS w/ 4" EMBED w/ 1/4"x3"x3" PLATE WASHER AT SAME SPACING.

ST3. CONTRACTOR MAY EPOXY ALL THREAD BOLTS FOR COLUMN BASE PLATE ANCHOR BOLTS. EMBEDMENT TO BE 9".

ST4. EPOXY SHALL BE HILTI HY–200, SIMPSON STRONG TIE ET–HP OR SIMPSON STRONG TIE SET OR PRE–APPROVED EQUAL.

ST5. GROUT UNDER BASE AND BEARING PLATES SHALL BE NON–SHRINK, NON–METALLIC.

ST6. ANCHOR BOLTS, BASE PLATES AND COLUMNS SHALL BE PROTECTED FROM DIRECT CONTRACT w/ THE GROUND. COAT HEAVILY AND VOID FREE WITH ASPHALTIC MASTIC.

ST7. ALL WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) BY CERTIFIED WELDERS.

ST8. HOLES SHALL NOT BE CUT THROUGH BEAMS UNLESS INDICATED OR APPROVED BY THE ENGINEER.

ST9. PRIME STRUCTURAL AND MISC. STEEL WITH MANUFACTURES STANDARD IRON OXIDE PRIMER –– COLOR GRAY. PRIMER SHALL BE COMPATIBLE WITH FINISH COAT OF PAINT WHEN PROVIDED.

ST10. STRUCTURAL STEEL DETAILING, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC "MANUAL OF STEEL CONSTRUCTION".

ST11. HSS TUBES SHALL HAVE ONE–QUARTER INCH END PLATES.

ST12. FIELD TORCH CUTTING OF COLUMN BASE PLATES FOR MISS LOCATED ANCHOR BOLTS IS NOT ALLOWED. HOLES CAN BE DRILLED IN THE PROPER LOCATIONS OR NEW STRAIGHT ANCHOR BOLTS CAN BE DRILLED AND EPOXIED INTO PLACE SEE NOTE ST3 ABOVE.

ST13. WHERE ANCHOR BOLT EXTENSION IS INSUFFICIENT TO FULLY ENGAGE THE BOLT THREADS THE ANCHOR BOLT MAY BE WELDED TO THE BASE PLATE WITH 1/4" WELD ALL ROUND.

WOOD FRAMING

WD1. WOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.

WD2. STRUCTURAL LUMBER SHALL BE HEM FIR, SPRUCE PINE IFIR OR DOUGLAS FIR NO.2 OR PRE–APPROVED EQUAL. FLOOR SHEATHING TO BE GLUED (PL400) AND FASTENED TO FRAMING LUMBER. FINGER JOINTED MEMBERS ARE ALLOWED IF MATERIAL PROPERTIES ARE EQUAL OR BETTER.

WD3. HOLES IN FRAMING (JOISTS AND WALL STUDS) SHALL NOT EXCEED 1/3 TO DEPTH OF THE MATERIAL AND LOCATED IN THE MIDDLE THIRD. HOLES SHALL BE AT LEAST 2" APART. NOTCHES IN FRAMING LUMBER SHALL NOT EXCEED 1/6 OF THE DEPTH NOR LONGER THAN 1/3 OF THE DEPTH AND SHALL NEVER BE LOCATED IN THE MIDDLE THIRD OF FRAMING MEMBERS. NOTCHES AT THE END OF FRAMING MEMBERS SHALL NOT EXCEED 1/4 THE DEPTH.

WD4. FRAMING LUMBER FRAMING SHALL BEAR A MINIMUM OF 1 1/2" AND HAVE SOLID BLOCKING BETWEEN FRAMING.

WD5. PROVIDE SOLID BLOCKING IN FLOOR AND ROOF FRAMING AS REQUIRED BY CODE.

WD6. ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED.

WD7. ALL METAL CONNECTORS, TIES, AND STRAPS IN CONTACT WITH CONCRETE, MASONRY OR TREATED LUMBER SHALL BE G185 HOT DIPPED GALVANIZED.

WD8. PROVIDE SOLID HORIZONTAL BLOCKING AT SHEATHING JOINTS IN EXTERIOR WALLS.

WD9. PROVIDE SOLID HORIZONTAL BLOCKING FOR ALL FIRST FLOOR BEARING AND EXTERIOR WALLS (1st TO ROOF) AT 48" o.c.

WOOD I–JOIST FRAMING

WI1. ENGINEERED WOOD PRODUCTS (WOOD I–JOISTS & LAMINATED VENEER LUMBER – LVL SHOWN ON THE DRAWINGS ARE MANUFACTURED BY AN APPROVE MANUFACTURER FOR THE DESIGN LOADS INDICATED. WHETHER SHOWN OR NOT, PROVIDE ACCESSORY ITEMS (BLOCKS, CLIPS, STIFFENERS, STRAPS, ETC.) DESIGNED BY THE MANUFACTURER, FOR A COMPLETE SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATING REQUIREMENTS AND PROVIDE I–JOISTS ACCORDINGLY. PROVIDE I–JOISTS THAT COMPLY WITH UL570 FOR MINIMUM CHORD AND WEB SIZES FOR RATED ASSEMBLY. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND USE.

WI2. FRAMING CONNECTORS, ANCHORS, AND HANGERS SHOWN ON THE DRAWINGS ARE PRODUCTS OF SIMPSON STRONG–TIE AND ARE DESIGNATED BY MANUFACTURER'S STANDARD PRODUCT NUMBERS. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND USE.

WI3. CUTTING I–JOISTS ABOVE DEMISING WALLS OR CORRIDOR WALLS AND WHERE JOISTS ARE IN NON–BENDING INSTALLATIONS IS PERMITTED PROVIDED THE DRAFT STOPPING IF REQUIRED IS RESTORED.

WI4. FLOOR SHEATHING TO BE GLUED (PL400) AND FASTENED TO I–JOIST.

WI5. DEFLECTION CRITERIA L/480 LIVE LOAD, L/360 TOTAL LOAD.

WI6. MANDATORY PRE–CONSTRUCTION MEETING – PRIOR TO I–JOIST INSTALLATION THE GENERAL CONTRACTOR SHALL HOLD A PRE–CONSTRUCTION MEETING WITH ALL TRADES TO COORDINATE PLACEMENT OF I–JOISTS TO AVOID INTERFERENCES AND LIMITATIONS ON CUTTING HOLES IN JOISTS WEBS. MINUTES OF THE MEETING SHALL BE SUBMITTED TO THE EOR.

WOOD TRUSS FRAMING

WT1. WOOD TRUSS FRAMING SHALL BE DESIGNED IN ACCORDANCE WITH TPI DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES.

WT2. LIMIT TOTAL LOAD DEFLECTION TO L/360.

WT3. FLOOR SHEATHING TO BE GLUED (PL400) AND FASTENED TO FLOOR TRUSSES.

WT4. MANDATORY PRE–CONSTRUCTION MEETING – PRIOR TO TRUSS INSTALLATION THE GENERAL CONTRACTOR SHALL HOLD A PRE–CONSTRUCTION MEETING WITH ALL TRADES TO COORDINATE PLACEMENT OF TRUSSES TO AVOID INTERFERENCES. MINUTES OF THE MEETING SHALL BE SUBMITTED TO THE EOR.

GENERAL

GN1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOBSITE WITH ARCHITECTURAL AND OTHER TRADE DRAWINGS.

GN2. UNLESS OTHERWISE SHOWN, ALL TYPICAL DETAILS (WHERE APPLICABLE) SHALL BE USED.

GN3. THIS PROJECT HAS BEEN DESIGNED FOR THE WEIGHTS OF THE MATERIALS INDICATED ON THE DRAWINGS FOR THE LIVE LOADS INDICATED IN THE DESIGN LOADS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSEWORK, FORMWORK, STAGING, BRACING, SHEETING AND SHORING, ETC

GN4. WATERPROOFING, FLASHING, CAULKING AND FIREPROOFING REQUIREMENTS ARE NOT THE RESPONSIBILITY OF THESE STRUCTURAL DRAWINGS. ANY REFERENCE OR NOTES RELATED TO THESE MATERIALS ARE FOR INFORMATION ONLY AND THE GENERAL CONTRACTOR SHALL REFER TO OTHER PLANS AND SPECIFICATIONS FOR THESE MATERIALS.

SUBMITTALS

SB1. SUBMITTALS SHALL BE PROVIDED THROUGH THE ARCHITECT IN ACCORDANCE WITH THE GENERAL CONDITIONS.

SB2. GENERAL CONTRACTOR TO SCHEDULE SUBMITTALS TO ALLOW TIME FOR REVIEW WITHOUT IMPEDING CONSTRUCTION. SCHEDULE A MINIMUM OF FOURTEEN CALENDAR DAYS FOR THE RETURN OF SUBMITTALS.

SB3. SHOP DRAWINGS ARE THE GENERAL CONTRACTORS MEANS AND METHODS OF PROVIDING WHAT IS INDICATED ON THESE STRUCTURAL DRAWINGS THEREFORE ARE NOT SUBJECT TO APPROVAL BY THE EOR. THE SHOP DRAWINGS LISTED BELOW ARE SUBJECT TO REVIEW BY THE EOR.

SB4. REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION GIVEN IN THE CONSTRUCTION DOCUMENTS. CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THE REVIEW DO NOT RELIEVE THE GENERAL CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. REVIEW OF A SPECIFIC ITEM SHALL NOT INCLUDE REVIEW OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. THE CONTRACTOR IS RESPONSIBLE FOR THE DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOBSITE; INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESSES AND PROCEDURES OF THE CONSTRUCTION; COORDINATION OF THE WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING ALL WORK IN A SAFE AND SATISFACTORY MANNER.

SB5. REVIEW OF SHOP DRAWINGS DOES NOT WARRANT OR REPRESENT THAT THE INFORMATION WITHIN THE SUBMITTAL IS EITHER ACCURATE OR COMPLETE. SOLE RESPONSIBILITY FOR CORRECT DESIGN, DETAILS, DIMENSIONS AND QUANTITIES SHALL REMAIN WITH THE GENERAL CONTRACTOR.

SB6. CHANGES/SUBSTITIONS SHOWN ON SHOP DRAWINGS AND SUBMITTED TO AND REVIEWED BY THE EOR REMAIN NON–COMPLIANT WITH THE CONTRACT DOCUMENTS. CHANGES/SUBSTITUTIONS TO THE CONTRACT DOCUMENTS MUST BE DOCUMENTED SEPARATELY FROM SHOP DRAWINGS.

SB7. REQUIRED SUBMITTALS – (SUBMITTALS OTHER THAN THOSE LISTED SHALL NOT BE REVIEWED):

SB8. SUBMIT FOR REVIEW:
a. CONCRETE DESIGN MIX – EACH TYPE
b. MORTAR DESIGN MIX – EACH TYPE
c. GROUT MIX – COURSE AND FINE
d. STRUCTURAL STEEL ERECTION DRAWINGS
e. METAL DECK LAYOUT PLANS
f. WOOD TRUSS
i1. TRUSS LAYOUT INDICATING DESIGN LOADS
i2. STATEMENT OF DEFLECTION CRITERIA COMPLIANCE
i3. STATEMENT THAT TRUSS LAYOUT HAS BEEN COORDINATED WITH PLUMBING AND HVAC FLOOR/ROOF PENETRATIONS
g. WOOD I–JOIST
j1. JOIST LAYOUT INDICATING DESIGN LOADS
j2. STATEMENT OF DEFLECTION CRITERIA COMPLIANCE
j3. STATEMENT THAT I–JOIST LAYOUT HAS BEEN COORDINATED WITH PLUMBING AND HVAC FLOOR/ROOF PENETRATIONS

DRAWING INDEX

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WILLIAM O. WHISONANT LICENSED No. 21020 07/31/18 STATE OF FLORIDA PROFESSIONAL ENGINEER

NO.	DATE	REVISION

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RELEASED FOR:
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■ CONSTRUCTION
DATE : 07–31–18

DRAWING TITLE:
STRUCTURAL NOTES

SCALE:
PROJECT NO: 0171012
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WOW

SHEET NO:
S001

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SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	–	X
2. Verify excavations are extended to proper depth and have reached proper material.	–	X
3. Perform classification and testing of compacted fill materials.	–	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	–
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	–	X

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. Inspection of reinforcing steel, including prestressing tendons, and placement.	–	X	ACI 318: 3.5, 7.1–7.7
2. Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5b.	–	–	AWS D1.4 ACI 318: 3.5.2
3. Inspection of bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased or where strength design is used.	X	–	ACI 318: 8.1.3, 21.2.8
4. Inspection of anchors installed in hardened concrete.	–	X	ACI 318: 3.8.6, 8.1.3, 21.2.8
5. Verifying use of required design mix.	–	X	ACI 318: Ch. 4, 5.2–5.4
6. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	–	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8
7. Inspection of concrete and shotcrete placement for proper application techniques.	X	–	ACI 318: 5.9, 5.10
8. Inspection for maintenance of specified curing temperature and techniques.	–	X	ACI 318: 5.11, 5.13
9. Inspection of prestressed concrete:			
a. Application of prestressing forces.	N/A	–	ACI 318: 18.20 ACI 318: 18.18.4
b. Grouting of bonded prestressing tendons in the seismic–force–resisting system.	N/A	–	
10. Erection of precast concrete members.	N/A	–	ACI 318: Ch. 16
11. Verification of in–situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs.	N/A	–	ACI 318: 6.2
12. Inspect formwork for shape, location and dimensions of the concrete member being formed.	N/A	–	ACI 318: 6.1.1

LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCED FOR CRITERIA	
	CONTINUOUS	PERIODIC	TMS 402/ACI 530/ASCE 5	TMS 602/ACI 530.1/ASCE 6
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	–	X	–	Art. 1.5
2. Verification of f'_m and f'_{AAC} prior to construction except where specifically exempted by this code.	–	X	–	Art. 1.4B
3. Verification of slump flow and visual stability index (VSI) as delivered to the site for self–consolidating grout.	X	–	–	Art. 1.5B.1.b.3
4. As masonry construction begins, the following shall be verified to ensure compliance:				
a. Proportions of site–prepared mortar.	–	X	–	Art. 2.6A
b. Construction of mortar joints.	–	X	–	Art. 3.3B
c. Location of reinforcement, connectors, prestressing tendons and anchorages.	–	X	–	Art. 3.4, 3.6A
d. Prestressing technique.	–	X	–	Art. 3.6B
e. Grade and size of prestressing tendons and anchorages.	–	X	–	Art. 2.4B, 2.4H
5. During construction the inspection program shall verify:				
a. Size and location of structural elements.	–	X	–	Art. 3.3F
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	–	X	Sec. 1.2.2(e) 1.16.1	–
c. Specified size, grade and type of reinforcement, anchor bolts, prestressing tendons and anchorages.	–	X	Sec. 1.15	Art. 2.4, 3.4
d. Welding of reinforcing bars.	X	–	Sec. 2.1.9.7.2 3.3.3.4(b)	–
e. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	–	X	–	Art. 1.8C, 1.8D
f. Application and measurement of prestressing force.	X	–	–	Art. 3.6B
6. Prior to grouting, the following shall be verified to ensure compliance:				
a. Grout space is clean.	–	X	–	Art. 3.2D
b. Placement of reinforcement and connectors, and prestressing tendons and anchorages.	–	X		Art. 3.4
c. Proportions of site–prepared grout and prestressing grout for bonded tendons.	–	X	–	Art. 2.6B
d. Construction of mortar joints.	–	X	–	Art. 3.3B
7. Grout placement shall be verified to ensure compliance:	X	–	–	Art. 3.5
a. Grouting of prestressing bonded tendons.	X	–	–	Art. 3.6C
8. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	–	X	–	Art. 1.4

REQUIRED VERIFICATION AND INSPECTION OF WOOD CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
1. Verify wood species, grade, size and spacing for studs and sheathing.	–	X
2. Verify fastener size, length, spacing of mechanical connectors, floor, roof and shear wall sheathing.	–	X
3. Verify horizontal blocking in load bearing and shear walls.	–	X
4. Verify size of spacing of attachment to the foundation.	–	X
5. Verify location of shear walls.	–	X
6. For wood truss spans greater than 59 feet verify temporary and permanent restraint/bracing is installed in accordance with the manufacturers requirements.	–	X

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. Material verification of high–strength bolts, nuts and washers:			
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	–	X	AISC 360, Section A3.3 and applicable ASTM material standards
b. Manufacturer's certificate of compliance required.	–	X	–
2. Inspection of high–strength bolting:			
a. Snug–tight joints.	–	X	AISC 360, Section M2.5
b. Pretensioned and slip–crtitical joints using turn–of–nut with matchmaking, twist–off bolt or direct tension indicator methods of installation.	–	X	
c. Pretensioned and slip–critical joints using turn–of–nut without matchmarking or calibrated wrench methods of installation.	X	–	
3. Material verification of structural steel and cold formed steel deck:			
a. For structural steel, identification markings to conform to AISC 360.	–	X	AISC 360, Section M5.5
b. For other steel, identification markings to conform to ASTM standards specified in the approved construction documents.	–	X	Applicable ASTM material standards
c. Manufacturer's certified test reports.	–	X	–
4. Material verification of weld filler materials:			
a. Identification markings to conform to AWS specifications in the approved construction documents.	–	X	AISC 360, Section A3.5 and applicable AWS A5 documents
b. Manufacturer's certificate of compliance required.	–	X	–
5. Material verification of load bearing metal stud:			
a. Verify metal strength, size, gage and spacing for studs, lintels and track.	–	X	–
b. Verify fastener size, length, spacing of mechanical connectors, floor, roof and shear wall sheathing.	–	X	–
c. Verify lateral bracing in load bearing walls and verify lintel stiffeners.	–	X	–
d. Verify size of spacing of attachment to the foundation.	–	X	–
e. Verify location of shear walls.	–	X	–
6. Inspection of welding:			
a. Structural steel and cold–formed steel deck:			
1) Complete and partial joint penetration groove welds.	X	–	AWS D1.1
2) Multipass fillet welds.	X	–	
3) Single–pass fillet welds > $\frac{5}{16}$"	X	–	
4) Plug and slot welds.	X	–	
5) Single–pass fillet welds ≤ $\frac{5}{16}$"	–	X	
6) Floor and roof deck welds.	–	X	AWS D1.3
b. Reinforcing steel:			
1) Verification of weld ability of reinforcing steel other than ASTM A 706.	–	X	AWS D1.4 ACI 318: Section 3.5.2
2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement.	X	–	
3) Shear reinforcement.	X	–	
4) Other reinforcing steel.	–	X	
7. Inspection of steel frame joint details for compliance:			
a. Details such as bracing and stiffening.	–	X	–
b. Member locations.	–	X	–
c. Application of joint details at each connection.	–	X	–

SPECIAL INSPECTIONS:

1. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT
2. SPECIAL INSPECTION SHALL BE IN ACCORDANCE WITH THE REFERENCED CRITERIA OF CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
3. SPECIAL INSPECTIONS SHALL BE DONE AS THE WORK PROGRESSES.
4. FOR EACH CONSTRUCTION ACTIVITY LISTED FOR INSPECTION THE INSPECTOR SHALL BE ON SITE PERIODICALLY OR CONTINUOUSLY AS INDICATED WHILE THE WORK IS BEING PERFORMED.
5. NON–COMPLIANT WORK SHALL REPORTED BY THE SPECIAL INSPECTOR AND CORRECTED BY THE GENERAL CONTRACTOR. A FOLLOW UP INSPECTION SHALL BE PERFORMED TO CONFIRM COMPLIANCE OF THE CORRECTIVE ACTION.
6. THE SPECIAL INSPECTOR SHALL PERFORM A FINAL INSPECTION ONCE THE ACTIVITY IS COMPLETED TO CONFIRM COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.

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WILLIAM O. WHISONANT LICENSE No. 74020 07/31/18 STATE OF FLORIDA PROFESSIONAL ENGINEER

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DATE : 07–31–18

DRAWING TITLE:
STRUCTURAL SPECIAL INSPECTIONS

SCALE:
PROJECT NO: 017P02
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WLOW

SHEET NO:
S002

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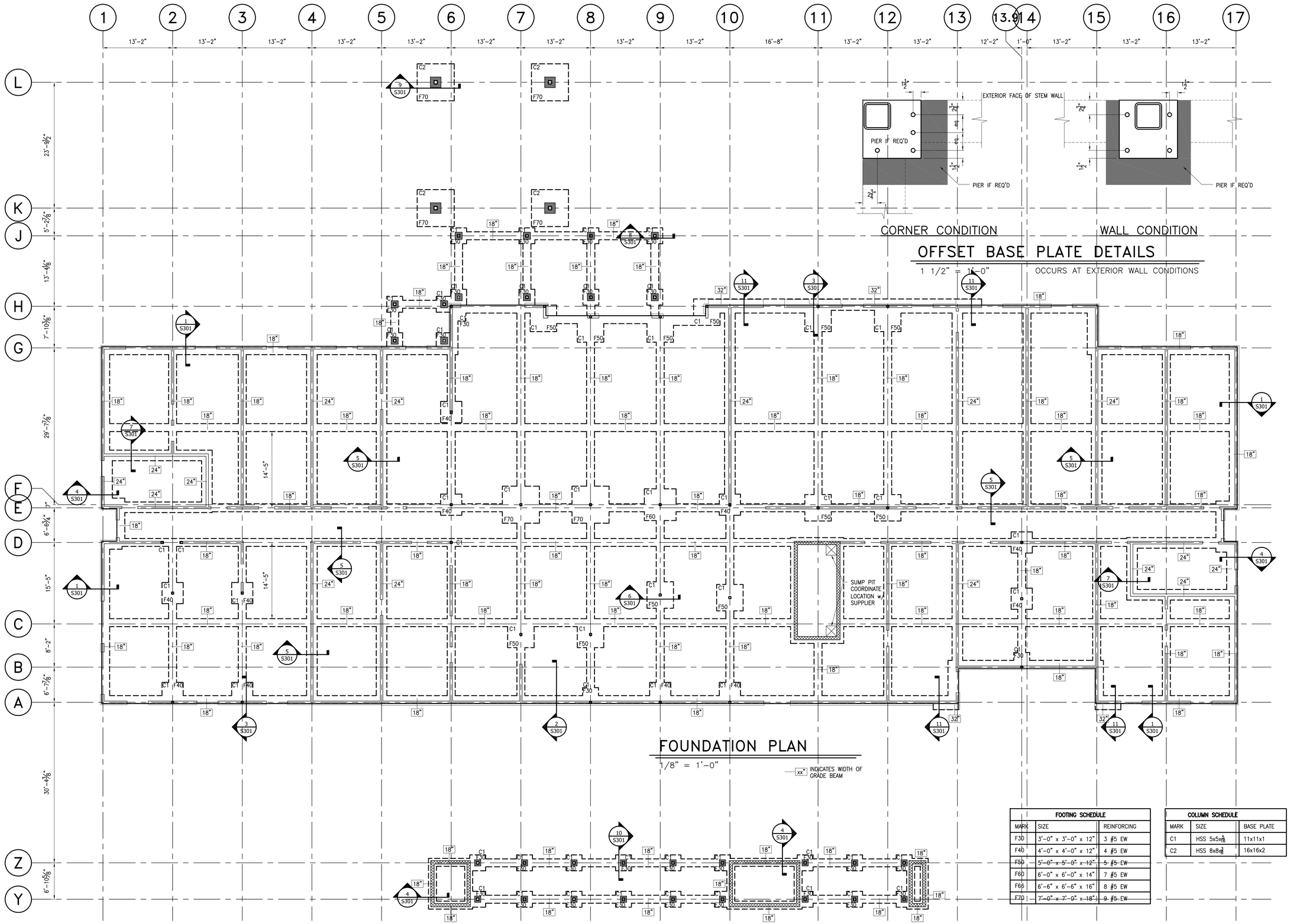

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F30	3'-0" x 3'-0" x 12"	3 #5 EW
F40	4'-0" x 4'-0" x 12"	4 #5 EW
F50	5'-0" x 5'-0" x 12"	5 #5 EW
F60	6'-0" x 6'-0" x 14"	7 #5 EW
F66	6'-6" x 6'-6" x 16"	8 #5 EW
F70	7'-0" x 7'-0" x 18"	9 #5 EW

COLUMN SCHEDULE		
MARK	SIZE	BASE PLATE
C1	HSS 5x5x⅝	11x11x1
C2	HSS 8x8x⅝	16x16x2

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DATE : 07-31-18

DRAWING TITLE:
FOUNDATION PLAN

SCALE: AS SHOWN
PROJECT NO: 037P02
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WOW

SHEET NO:
S101

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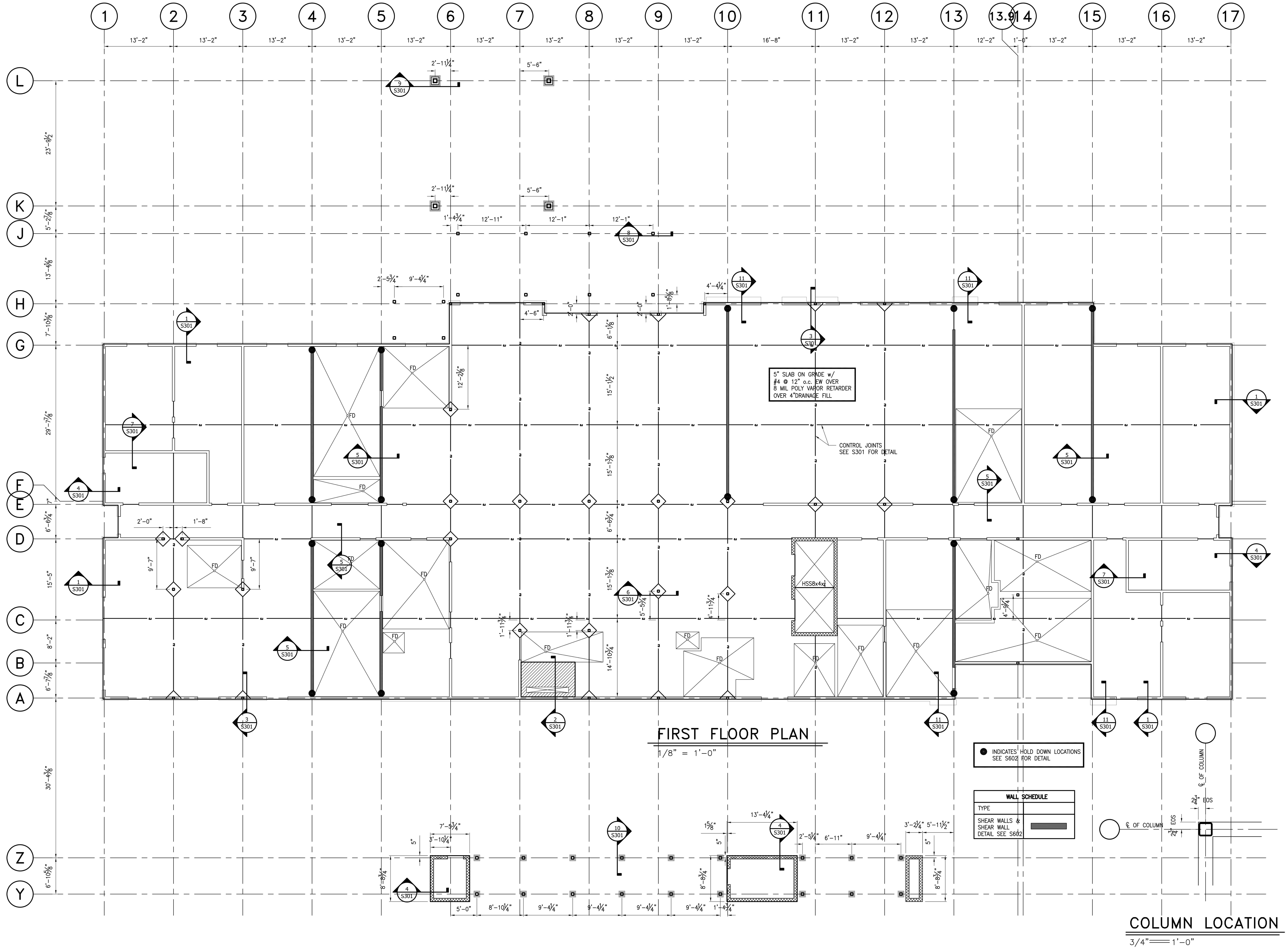

FIRST FLOOR PLAN

1/8" = 1'-0"

COLUMN LOCATION

3/4" = 1'-0"

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BERRYMAN ROAD
VICKSBURG, MS 39180

WES WHISONANT ENGINEERING SERVICES, LLC
122 Nut Tree Court
Lexington, South Carolina 29072
(803) 957-4008
Email: bill@weslex.com

STAMP: WILLIAM O. WHISONANT LICENSE No. 71020 07/31/18 STATE OF FLORIDA PROFESSIONAL ENGINEER

NO.	DATE	REVISION

RELEASED FOR:
- ☐ PRELIMINARY ONLY
- ☐ BIDDING/PRICING
- ■ PERMIT
- ■ CONSTRUCTION

DATE : 07-31-18

DRAWING TITLE:

FIRST FLOOR PLAN

SCALE:	AS SHOWN
PROJECT NO:	037P02
DATE:	07-31-18
DRAWN BY:	HVS
CHECKED BY:	WOW

SHEET NO:

S102

8/14/2018 2:20:19 PM

SECOND FLOOR FRAMING PLAN

1/8" = 1'-0" FINISHED FLOOR +12'-8"

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22 Nut Tree Court
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WILLIAM O. WHISONANT LICENSE NO. 24020 07/31/18 STATE OF FLORIDA PROFESSIONAL ENGINEER

NO.	DATE	REVISION

HOME 2 SUITES
BERRYMAN ROAD
VICKSBURG, MS 39180

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- ■ PERMIT
- ■ CONSTRUCTION

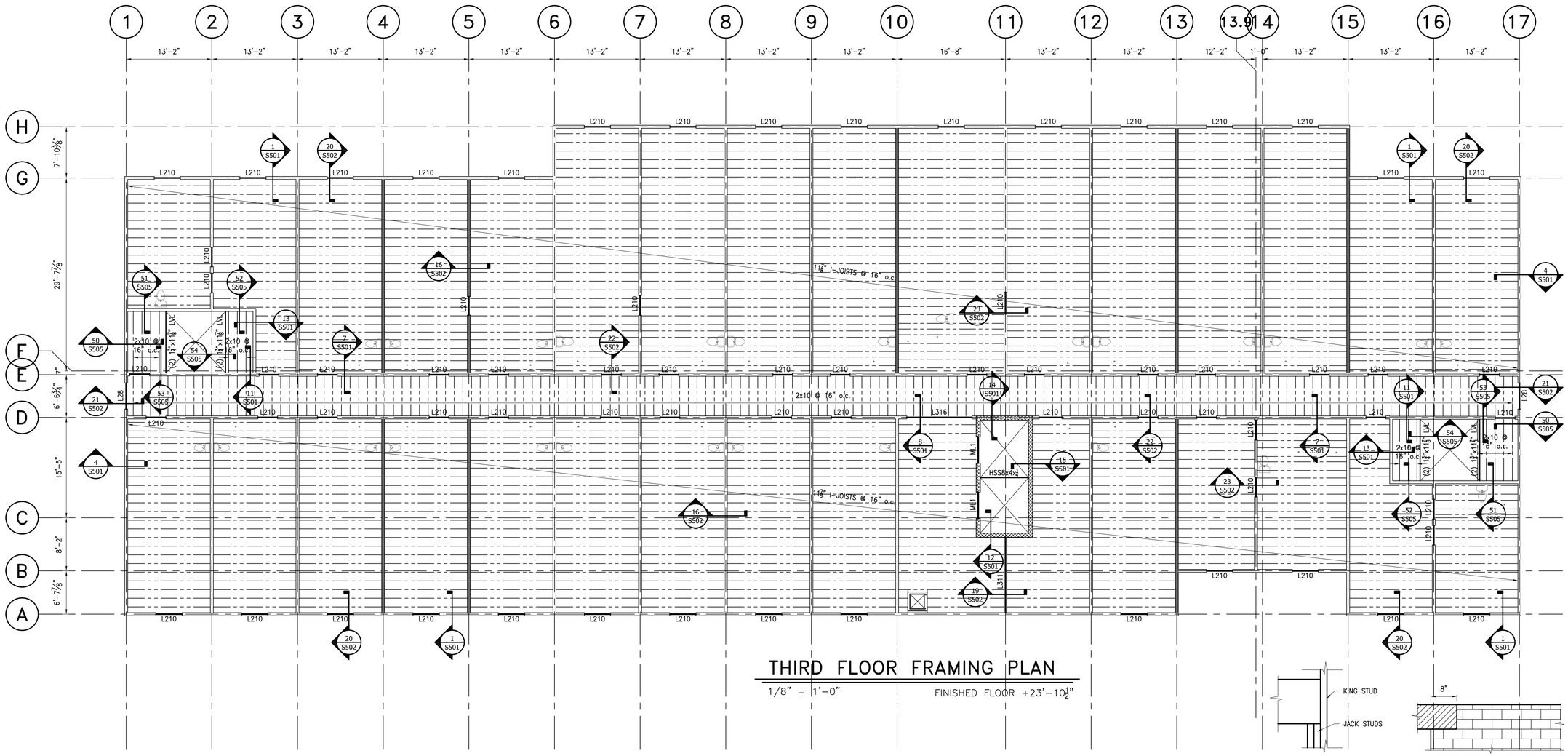
DATE : 07-31-18

DRAWING TITLE:
SECOND FLOOR FRAMING PLAN

SCALE:	AS SHOWN
PROJECT NO:	037P02
DATE:	07-31-18
DRAWN BY:	HVS
CHECKED BY:	WOW

SHEET NO:
S201

8/14/2018 2:20:20 PM



THIRD FLOOR FRAMING PLAN

1/8" = 1'-0" FINISHED FLOOR +23'-10½"

BEARING TYPE 1
ADD ONE KING POST AT FIRST FLOOR OPENINGS TO THOSE LISTED IN SCHEDULE

BEARING TYPE 2

LINTEL SCHEDULE

MARK	SIZE	DETAIL	BEARING TYPE	SUPPORT
L28	(2) 2x8		1	2 JACK STUDS 1 KING STUD
L210	(2) 2x10		1	2 JACK STUDS 1 KING STUD
L310	(3) 2x10	(2) ½" PLYWOOD	1	2 JACK STUDS 1 KING STUD
	NONE LOAD BEARING LINTELS	(2) 2x8	1	1 JACK STUD 1 KING STUD
L311	(3) 1¾"x11⅞" LVL	¼" LUAN	1	2 JACK STUDS 1 KING STUD
L316	(3) 1¾"x16" LVL	¼" LUAN	1	4 JACK STUDS 2 KING STUDS
ML1	8F8-1B CAST CRETE		2	

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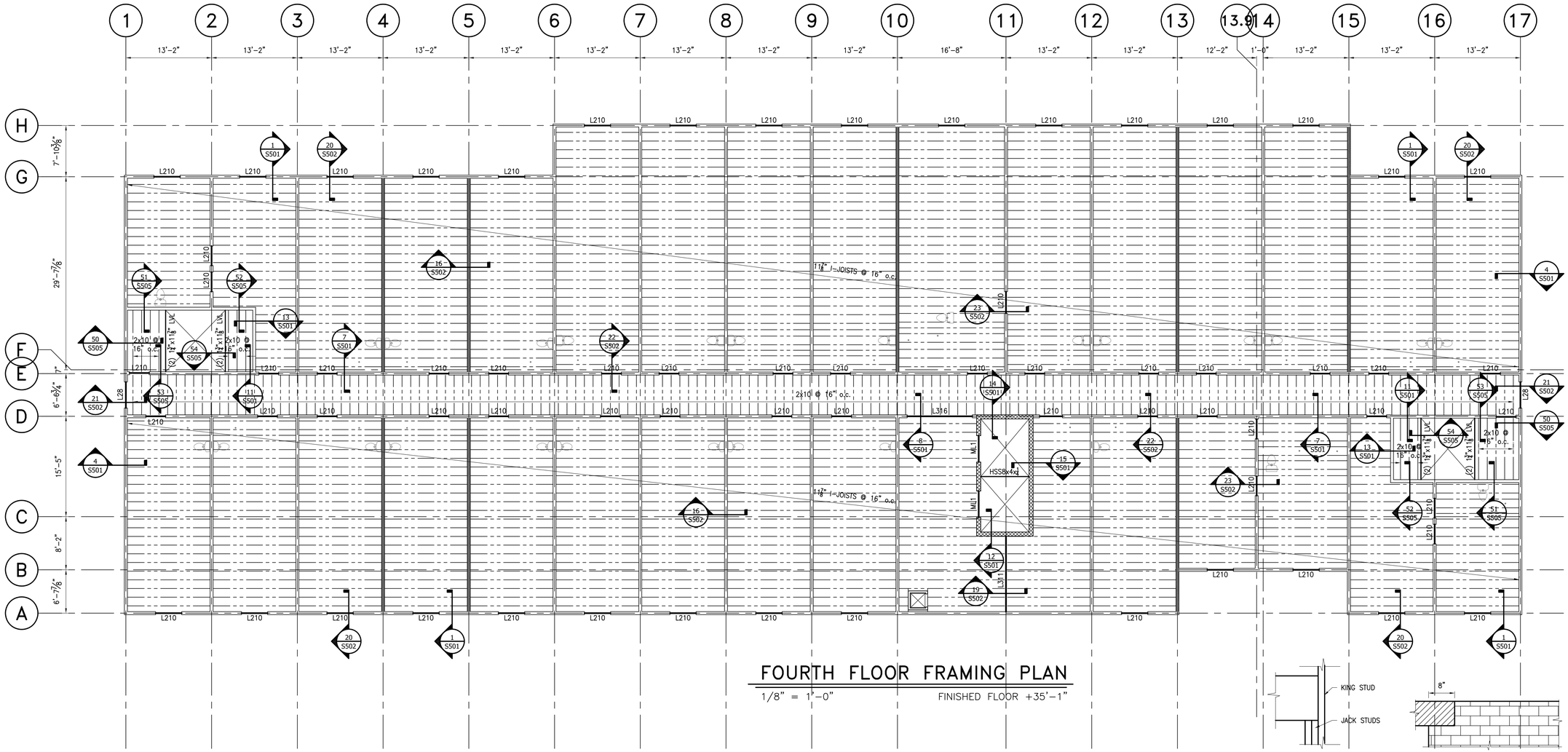
■PERMIT
■CONSTRUCTION
DATE : 07-31-18

DRAWING TITLE:
THIRD FLOOR FRAMING PLAN

SCALE: AS SHOWN
PROJECT NO: 037P02
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WCOE
SHEET NO:
S202



FOURTH FLOOR FRAMING PLAN

1/8" = 1'-0" FINISHED FLOOR +35'-1"

BEARING TYPE 1
ADD ONE KING POST AT FIRST FLOOR OPENINGS TO THOSE LISTED IN SCHEDULE

BEARING TYPE 2

LINTEL SCHEDULE

MARK	SIZE	DETAIL	BEARING TYPE	SUPPORT
L28	(2) 2x8		1	2 JACK STUDS 1 KING STUD
L210	(2) 2x10		1	2 JACK STUDS 1 KING STUD
L310	(3) 2x10	(2) ½" PLYWOOD	1	2 JACK STUDS 1 KING STUD
	NONE LOAD BEARING LINTELS	(2) 2x8	1	1 JACK STUD 1 KING STUD
L311	(3) 1¾"x11⅞" LVL	½" LUAN	1	2 JACK STUDS 1 KING STUD
L316	(3) 1¾"x16" LVL	½" LUAN	1	4 JACK STUDS 2 KING STUDS
ML1	8F8-1B CAST CRETE		2	

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NO.	DATE	REVISION

HOME 2 SUITES
BERRYMAN ROAD
VICKSBURG, MS 39180

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- ■ PERMIT
- ■ CONSTRUCTION

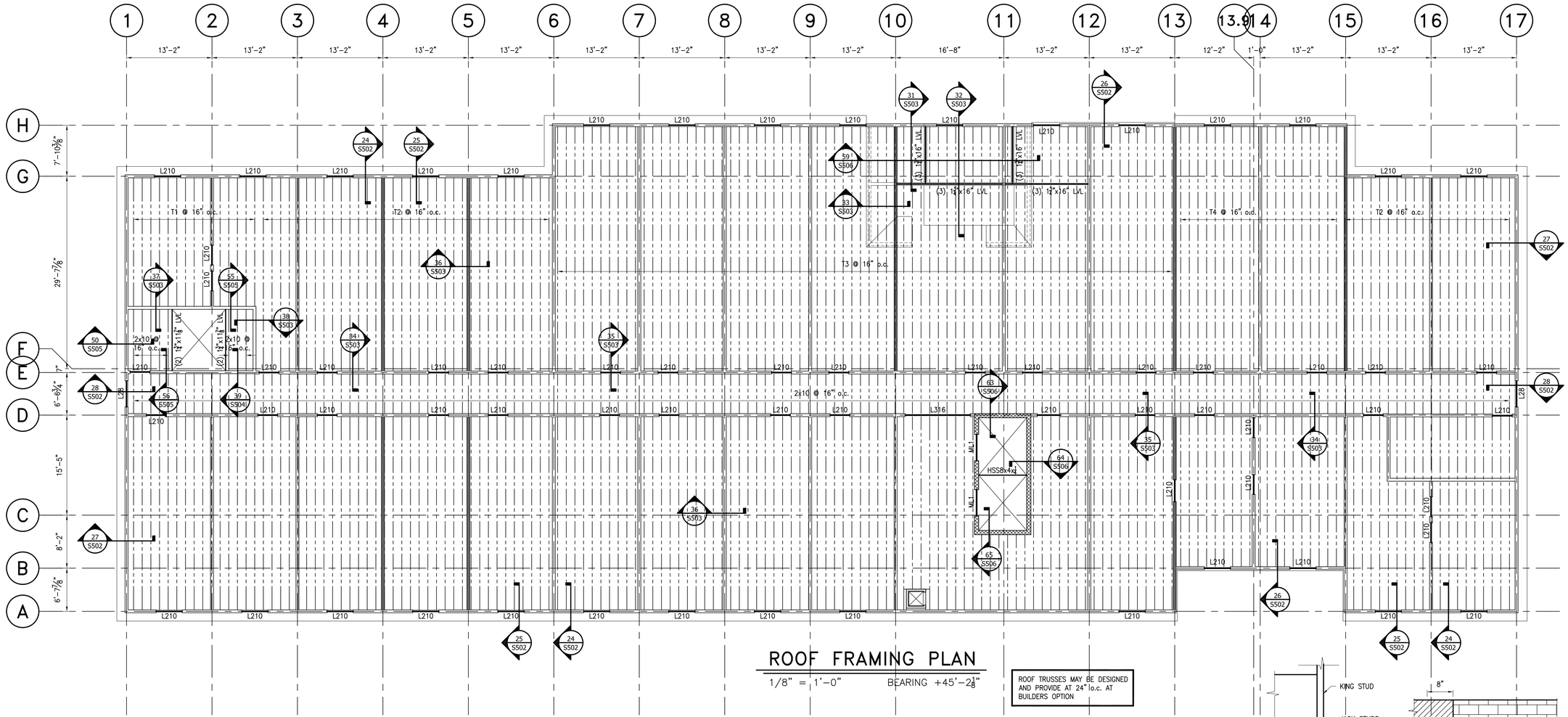
DATE : 07-31-18

DRAWING TITLE:
FOURTH FLOOR FRAMING PLAN

SCALE: AS SHOWN
PROJECT NO: 037P02
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WOW

SHEET NO:
S203

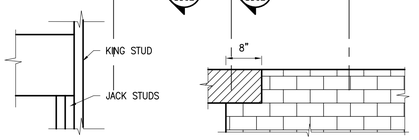
8/14/2018 2:20:23 PM



ROOF FRAMING PLAN

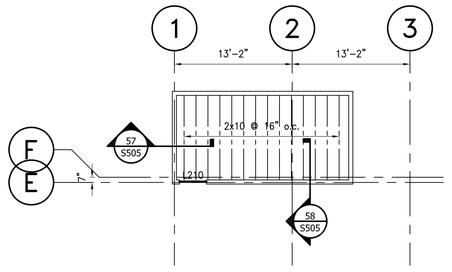
1/8" = 1'-0" BEARING +45'-2⅛"

ROOF TRUSSES MAY BE DESIGNED AND PROVIDE AT 24" l.o.c. AT BUILDERS OPTION



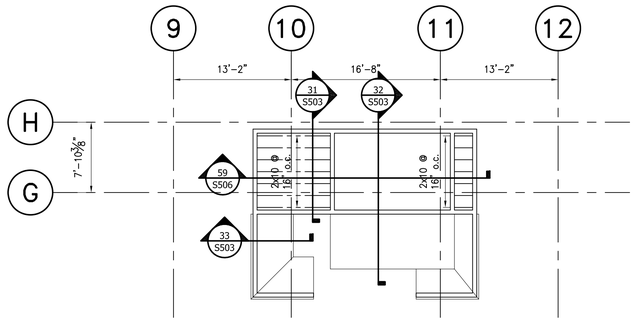
BEARING TYPE 1
ADD ONE KING POST AT FIRST FLOOR OPENINGS TO THOSE LISTED IN SCHEDULE

BEARING TYPE 2



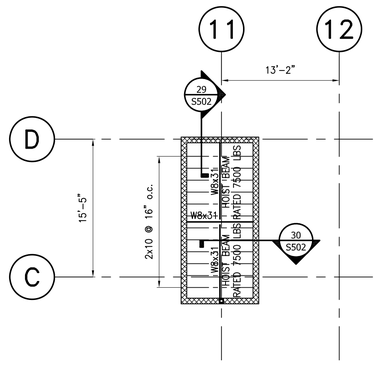
HIGH ROOF FRAMING PLAN

1/8" = 1'-0" G.C. VERIFY BEARING w/ ARCH



HIGH ROOF FRAMING PLAN

1/8" = 1'-0" G.C. VERIFY BEARING w/ ARCH



HIGH ROOF FRAMING PLAN

1/8" = 1'-0" G.C. VERIFY BEARING w/ ARCH

LINTEL SCHEDULE

MARK	SIZE	DETAIL	BEARING TYPE	SUPPORT
L28	(2) 2x8		1	2 JACK STUDS 1 KING STUD
L210	(2) 2x10		1	2 JACK STUDS 1 KING STUD
L310	(3) 2x10	(2) ½" PLYWOOD	1	2 JACK STUDS 1 KING STUD
	NONE LOAD BEARING LINTELS	(2) 2x8	1	1 JACK STUD 1 KING STUD
L311	(3) 1¾"x11⅞" LVL	¼" LUAN	1	2 JACK STUDS 1 KING STUD
L316	(3) 1¾"x16" LVL	¼" LUAN	1	4 JACK STUDS 2 KING STUDS
ML1	8F8-1B CAST CRETE		2	

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NO.	DATE	REVISION

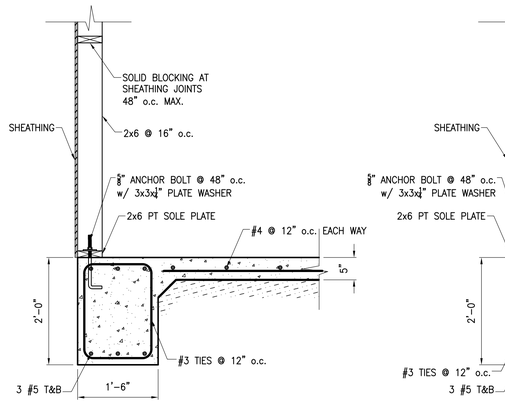
HOME 2 SUITES
BERRYMAN ROAD
VICKSBURG, MS 39180

RELEASED FOR:
□PRELIMINARY ONLY
□BIDDING/PRICING
■PERMIT
■CONSTRUCTION
DATE : 07-31-18

DRAWING TITLE:
ROOF FRAMING PLAN

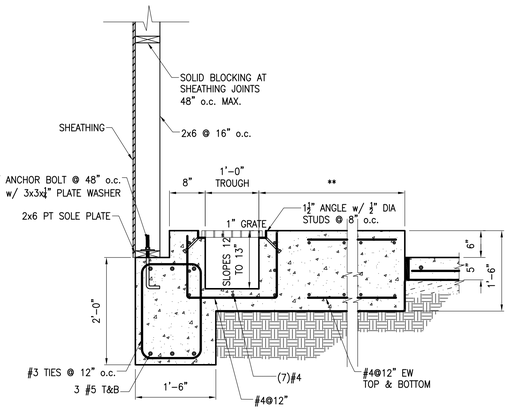
SCALE: AS SHOWN
PROJECT NO: 017P02
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WLOW
SHEET NO:
S204

8/14/2018 2:20:24 PM



1 S301 SECTION

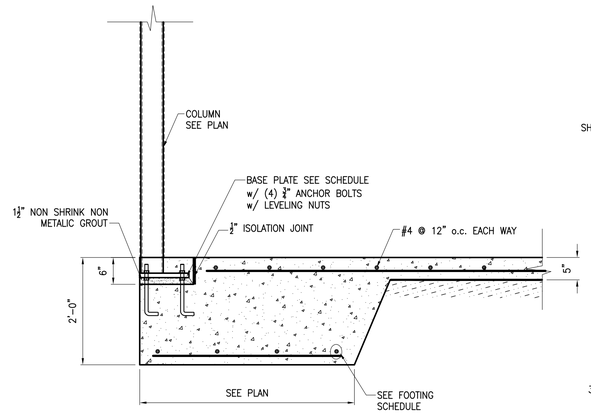
3/4" = 1'-0"



2 S301 SECTION

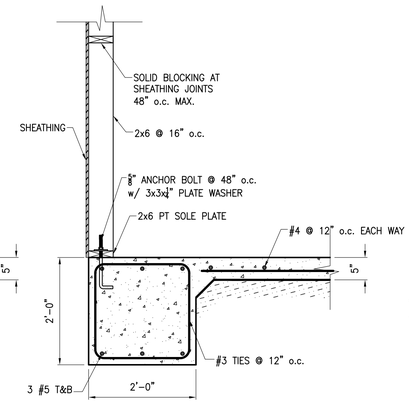
3/4" = 1'-0"

** COORDINATE SIZE OF WASHING MACHINE PAD AND ANCHOR BOLT SIZES AND LOCATIONS WITH WASHING MACHINE MANUFACTURER.



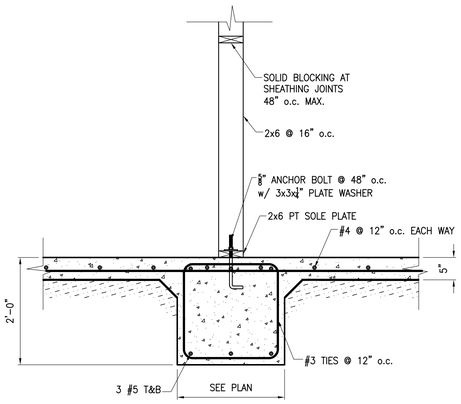
3 S301 SECTION

3/4" = 1'-0"



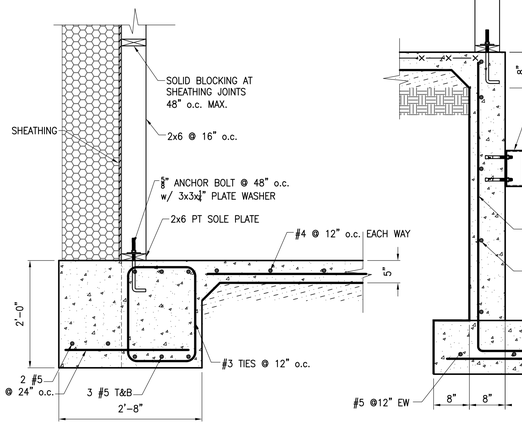
4 S301 SECTION

3/4" = 1'-0"



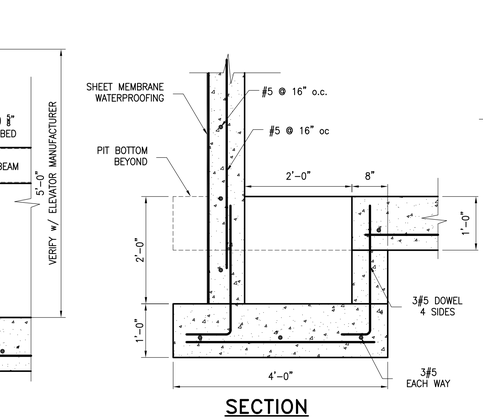
5 S301 SECTION

3/4" = 1'-0"



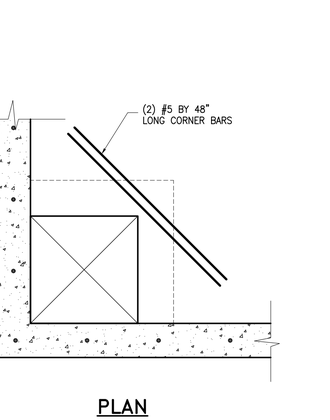
6 S301 SECTION

3/4" = 1'-0"



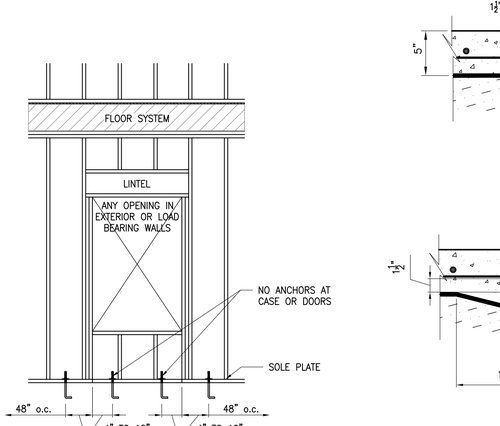
7 S301 SECTION

3/4" = 1'-0"



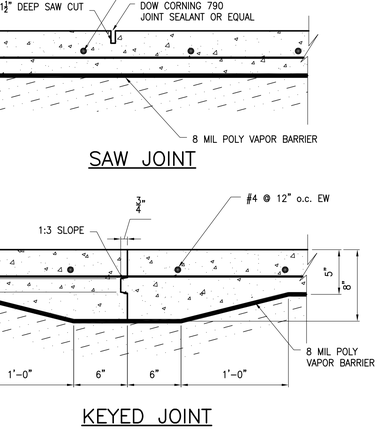
8 S301 SECTION

3/4" = 1'-0"



9 S301 SECTION

3/4" = 1'-0"



10 S301 SECTION

3/4" = 1'-0"

11 S301 SECTION

3/4" = 1'-0"

ELEVATOR PIT SECTION

SECTION

PLAN

ELEVATOR SUMP PIT DETAIL

3/4" = 1'-0" G.C. TO COORDINATE LOCATION

ANCHOR BOLTS AT OPENINGS

3/8"=1'-0" IBC 2308.6

SAW JOINT

KEYED JOINT

CONTROL JOINT DETAIL – OPTIONS

1 1/2" = 1'-0" EITHER SAWED OR KEYED JOINT MAY BE USED FOR CONTROL JOINTS SHOWN PROVIDE KEYED JOINT ONLY AT POUR STOPS

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NO.	DATE	REVISION

HOME 2 SUITES
BERRYMAN ROAD
VICKSBURG, MS 39180

RELEASED FOR:
- ☐ PRELIMINARY ONLY
- ☐ BIDDING/PRICING
- ■ PERMIT
- ■ CONSTRUCTION

DATE : 07-31-18

DRAWING TITLE:

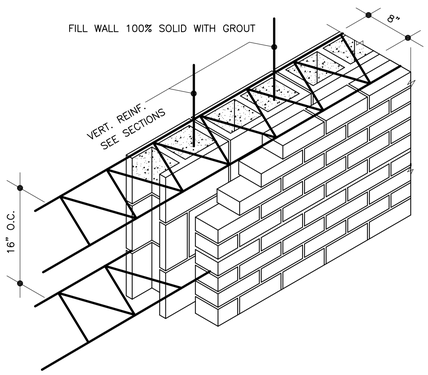
FOUNDATION SECTIONS

SCALE:	AS SHOWN
PROJECT NO:	037P02
DATE:	07-31-18
DRAWN BY:	HVS
CHECKED BY:	WLOW

SHEET NO:

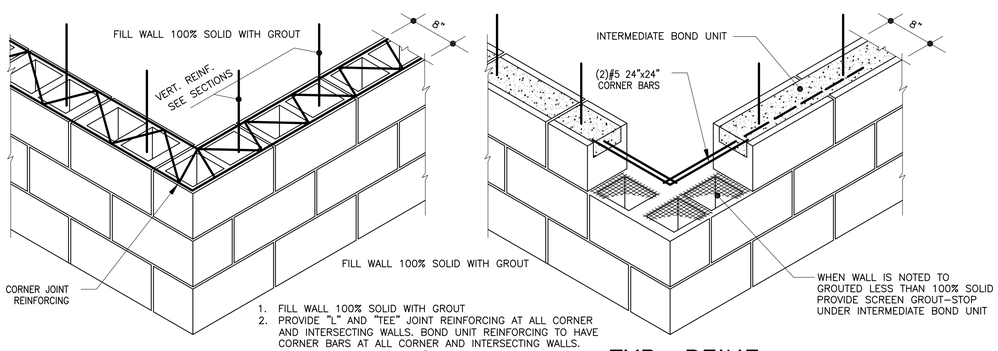
S301

8/14/2018 2:20:26 PM



TYP. JOINT REINF. 8" C.M.U. WALLS

NO SCALE



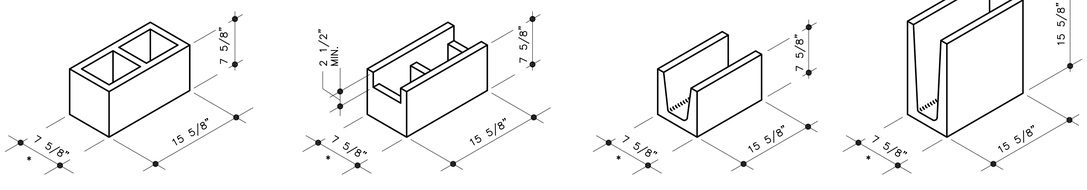
1. FILL WALL 100% SOLID WITH GROUT
2. PROVIDE "L" AND "TEE" JOINT REINFORCING AT ALL CORNER AND INTERSECTING WALLS. BOND UNIT REINFORCING TO HAVE CORNER BARS AT ALL CORNER AND INTERSECTING WALLS.
3. JOINT REINFORCING TO BE $\frac{9}{16}$" DIAMETER WIRE – GALVANIZED

TYP. JOINT REINF. 8" C.M.U. WALLS

NO SCALE

TYP. REINF. (VERT. & HORIZ.) 8" C.M.U. WALLS

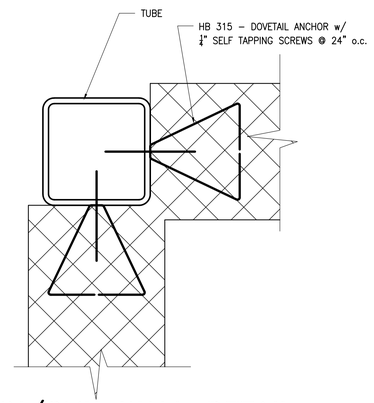
NO SCALE



8" C.M.U.

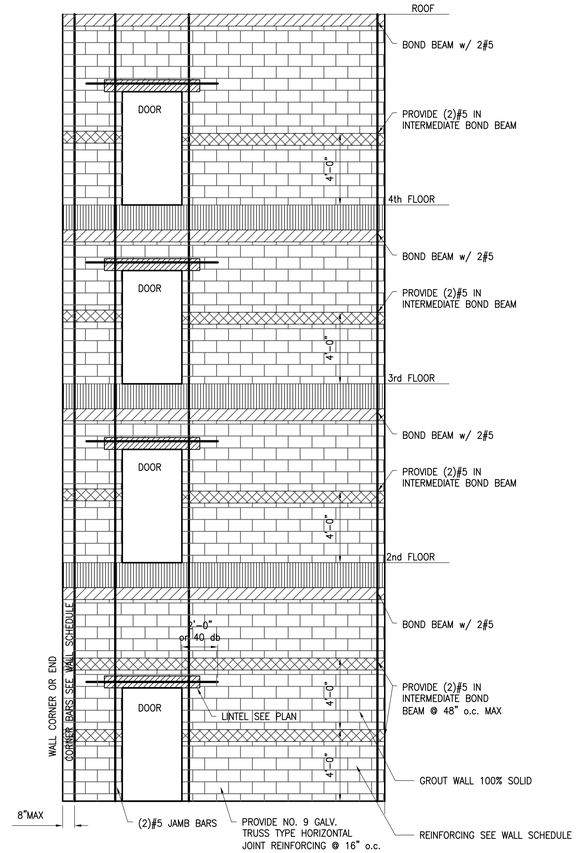
NO SCALE

* 5 5/8" FOR 6" C.M.U.
* 9 5/8" FOR 10" C.M.U.
* 11 5/8" FOR 12" C.M.U.



COLUMN/CMU WALL DETAIL

3"═══1'–0"



CMU SHEAR WALL REINFORCING

SCALE: NOT TO SCALE

WALL REINFORCING SCHEDULE

LEVEL	WALL MATERIAL	ELEVATOR	
4TH	8" CMU GROUT 100% SOLID	(1) #5@24" CORNER BARS (3) #7	BOND BEAM (2)#5 AT TOP OF WALL SEE DETAILS SHT S401
3RD	8" CMU GROUT 100% SOLID	(1) #5@24" CORNER BARS (3) #7	BOND BEAM (2)#5 AT TOP OF WALL SEE DETAILS SHT S401
2ND	8" CMU GROUT 100% SOLID	(2) #5@24" CORNER BARS (3) #7	BOND BEAM (2)#5 AT TOP OF WALL SEE DETAILS SHT S401
1ST	8" CMU GROUT 100% SOLID	(2) #5@24" CORNER BARS (3) #7	BOND BEAM (2)#5 AT TOP OF WALL SEE DETAILS SHT S401
	LAP #5 24" LAP #7 42"	CORNER BARS LAYOUT	

GC HAS THE OPTION OF USING REBAR COUPLERS FOR #7 BARS – DAYTON D250SCA – 7.

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NO.	DATE	REVISION

HOME 2 SUITES
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VICKSBURG, MS 39180

RELEASED FOR:
□PRELIMINARY ONLY
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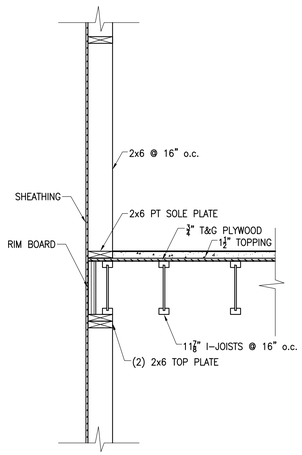
■PERMIT
■CONSTRUCTION
DATE : 07–31–18

DRAWING TITLE:
MASONRY DETAILS

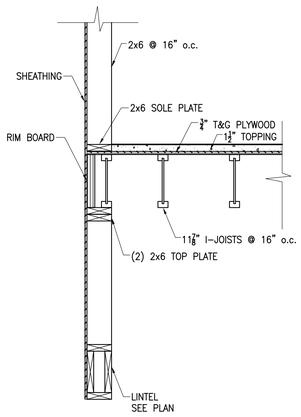
SCALE: AS SHOWN
PROJECT NO: 0371N2
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WLW

SHEET NO:
S401

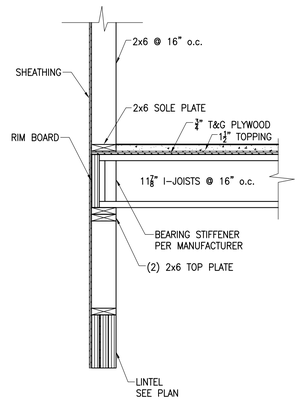
8/14/2018 2:20:27 PM



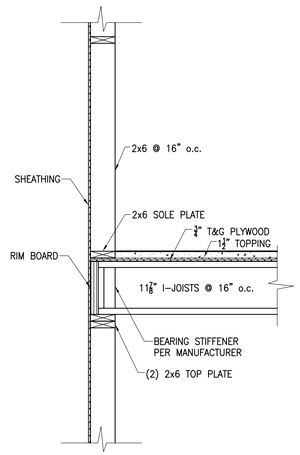
1 SECTION
S501 — 3/4" = 1'-0"



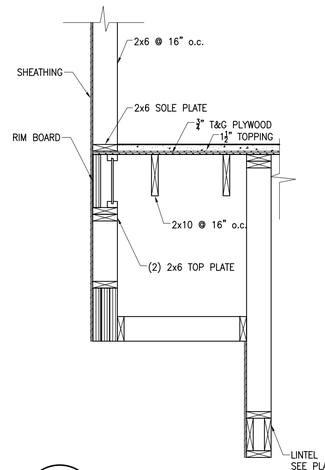
2 SECTION
S501 — 3/4" = 1'-0"



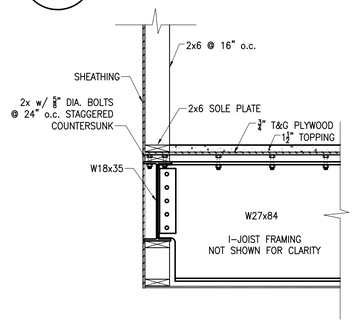
3 SECTION
S501 — 3/4" = 1'-0"



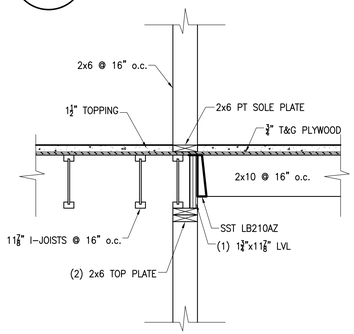
4 SECTION
S501 — 3/4" = 1'-0"



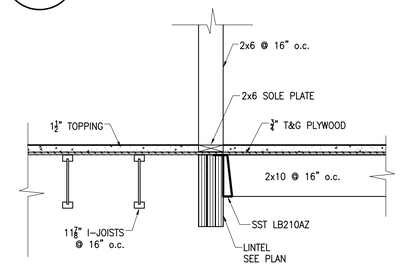
5 SECTION
S501 — 3/4" = 1'-0"



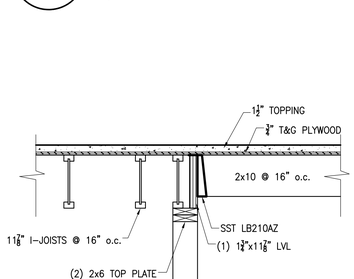
6 SECTION
S501 — 3/4" = 1'-0"



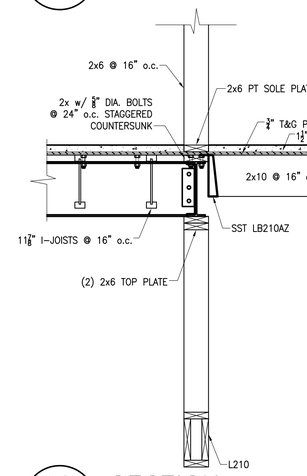
7 SECTION
S501 — 3/4" = 1'-0"



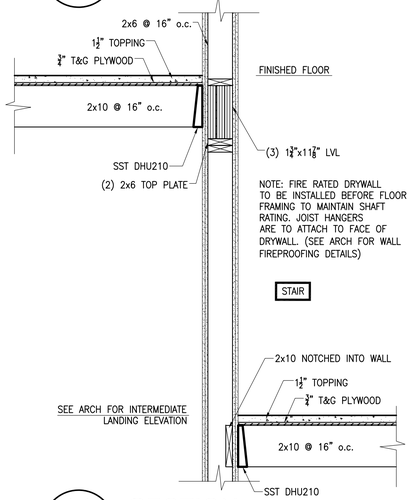
8 SECTION
S501 — 3/4" = 1'-0"



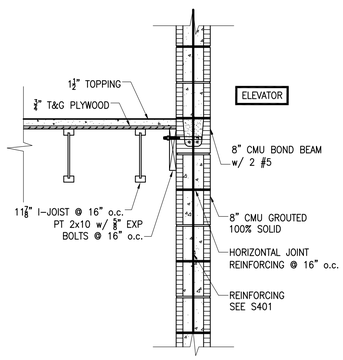
9 SECTION
S501 — 3/4" = 1'-0"



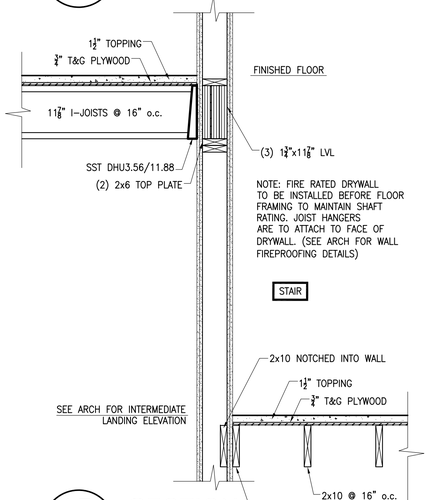
10 SECTION
S501 — 3/4" = 1'-0"



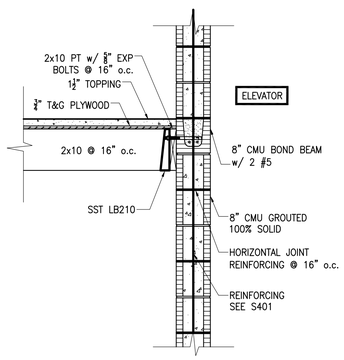
11 SECTION
S501 — 3/4" = 1'-0"



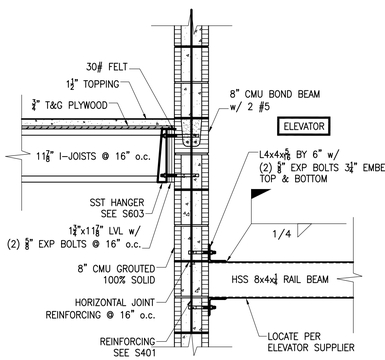
12 SECTION
S501 — 3/4" = 1'-0"



13 SECTION
S501 — 3/4" = 1'-0"



14 SECTION
S501 — 3/4" = 1'-0"



15 SECTION
S501 — 3/4" = 1'-0"

WHISONANT ENGINEERING SERVICES, LLC
22 Nut Tree Court
Lexington, South Carolina 29072
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Email: bill@wesisc.com

WILLIAM O. WHISONANT LICENSE NO. 71020 07/31/18 STATE OF FLORIDA PROFESSIONAL ENGINEER

NO.	DATE	REVISION

HOME 2 SUITES
BERRYMAN ROAD
VICKSBURG, MS 39180

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■CONSTRUCTION
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SCALE: AS SHOWN
PROJECT NO: 037P02
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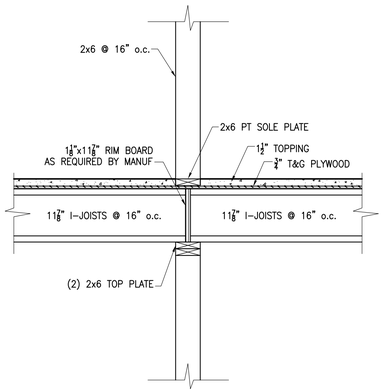
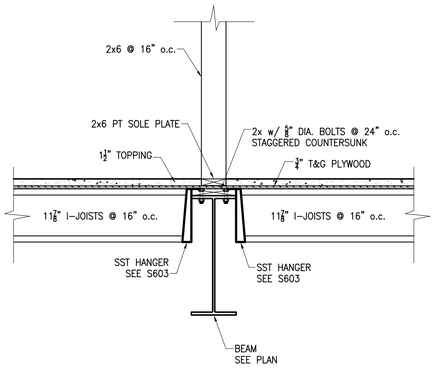
DRAWN BY: HVS
CHECKED BY: WOW

SHEET NO:
S501

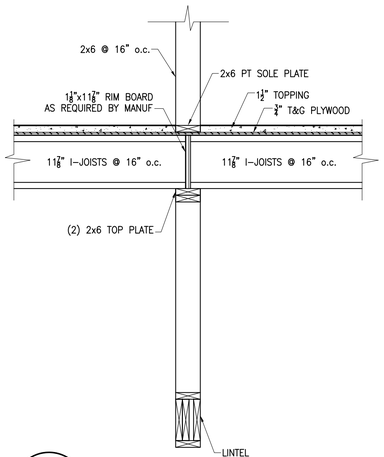
8/14/2018 2:20:28 PM



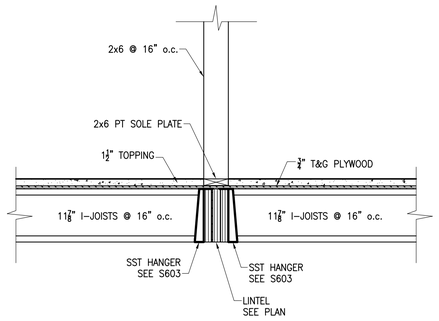
16 S502 **SECTION** 3/4" = 1'-0"



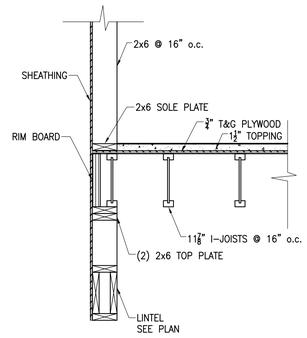
17 S502 **SECTION** 3/4" = 1'-0"



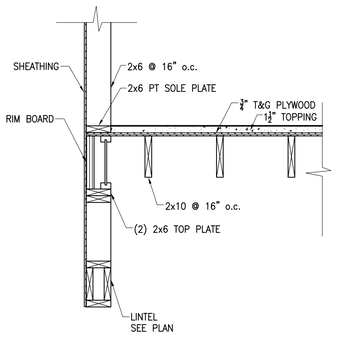
18 S502 **SECTION** 3/4" = 1'-0"



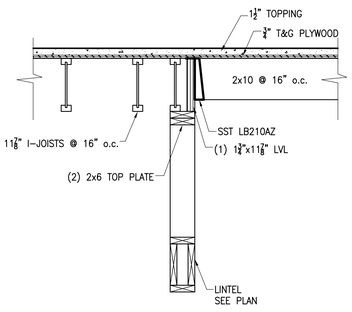
19 S502 **SECTION** 3/4" = 1'-0"



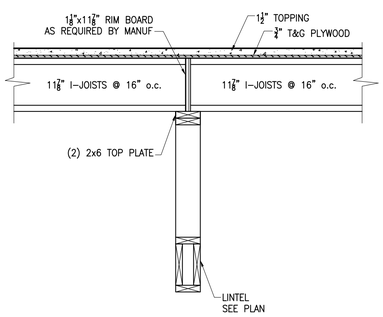
20 S502 **SECTION** 3/4" = 1'-0"



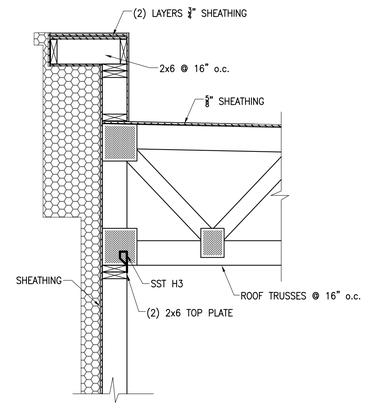
21 S502 **SECTION** 3/4" = 1'-0"



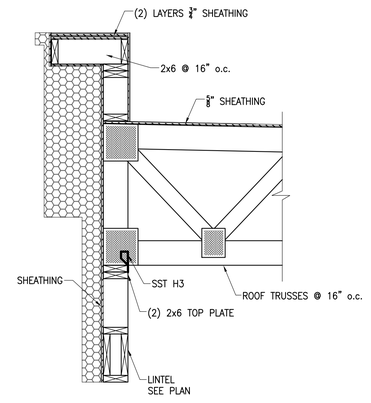
22 S502 **SECTION** 3/4" = 1'-0"



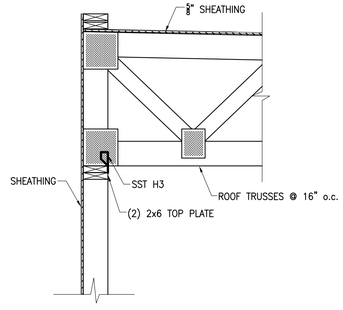
23 S502 **SECTION** 3/4" = 1'-0"



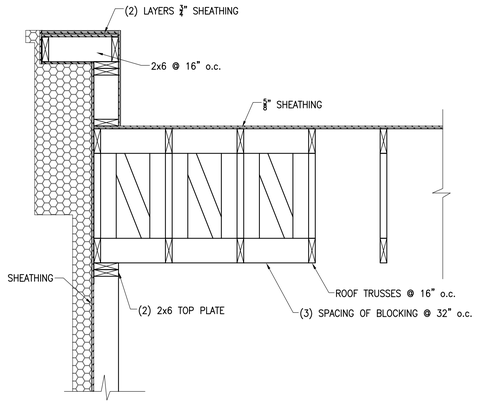
24 S502 **SECTION** 3/4" = 1'-0"



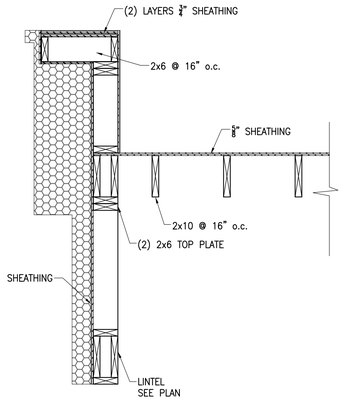
25 S502 **SECTION** 3/4" = 1'-0"



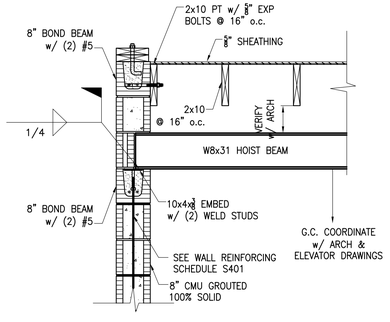
26 S502 **SECTION** 3/4" = 1'-0"



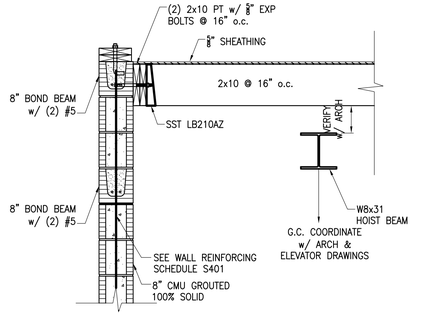
27 S502 **SECTION** 3/4" = 1'-0"



28 S502 **SECTION** 3/4" = 1'-0"



29 S502 **SECTION** 3/4" = 1'-0"



30 S502 **SECTION** 3/4" = 1'-0"

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Email: bill@wesllc.com

WILLIAM O. WHISONANT LICENSE NO. 21020 STATE OF FLORIDA PROFESSIONAL ENGINEER 07/31/18

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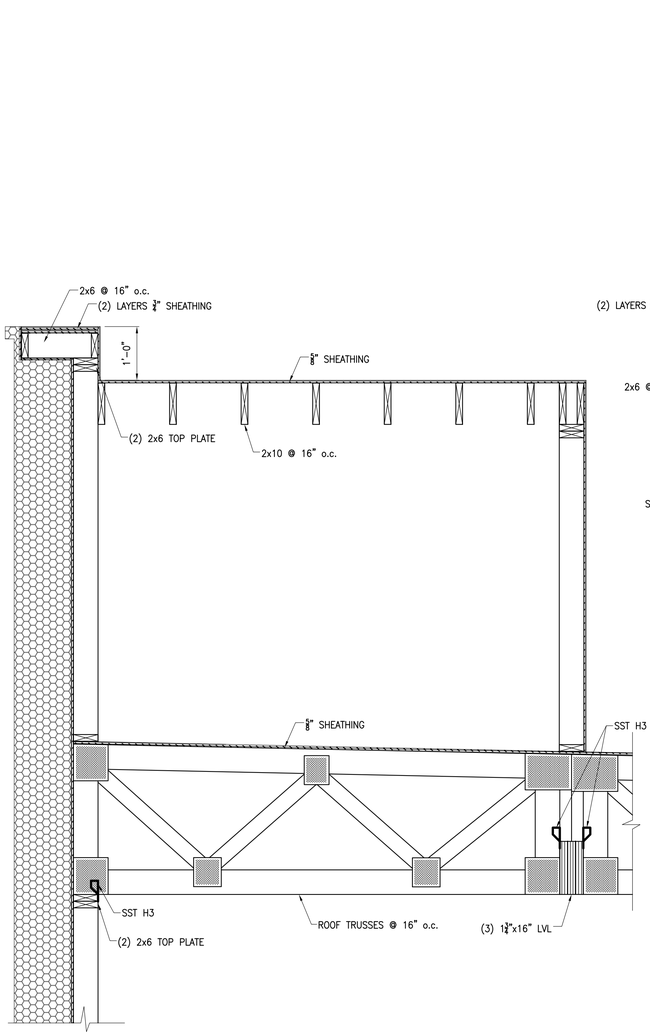
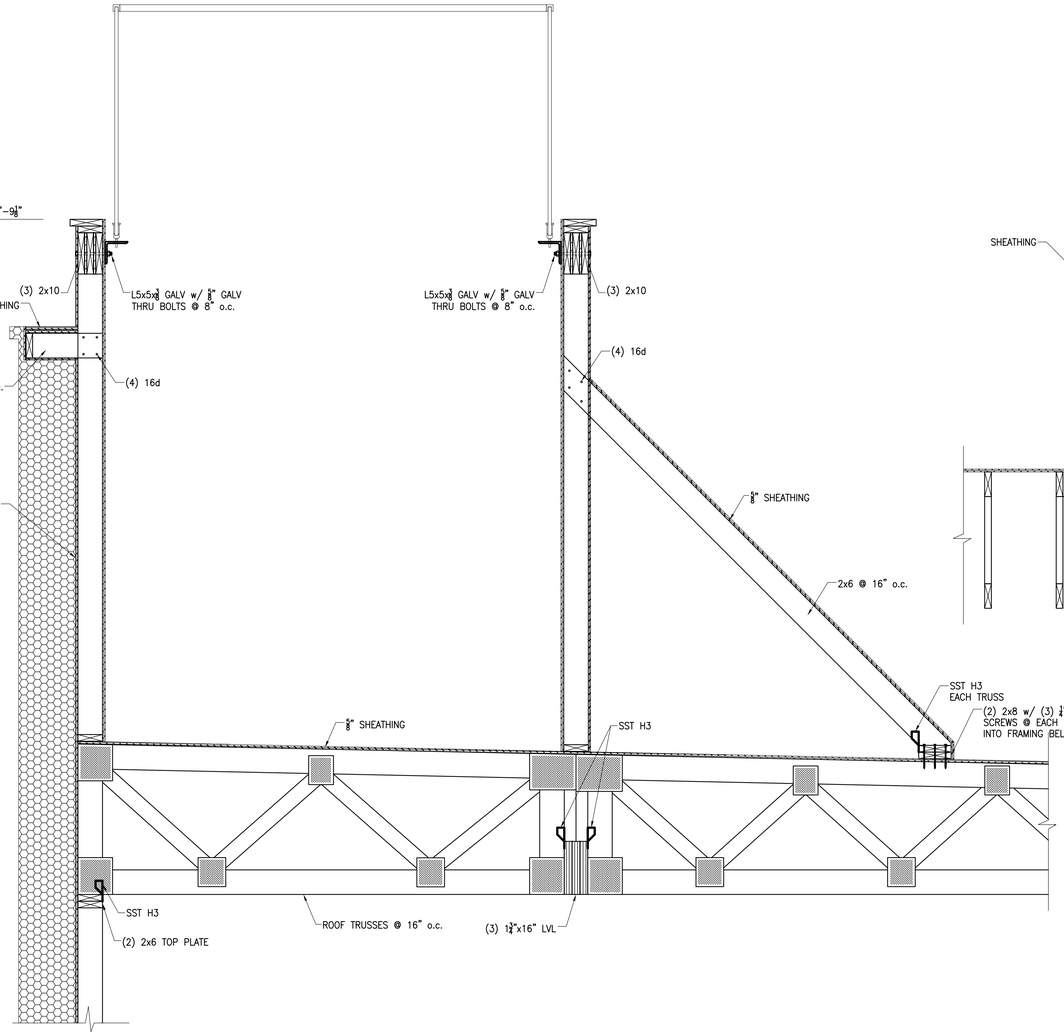
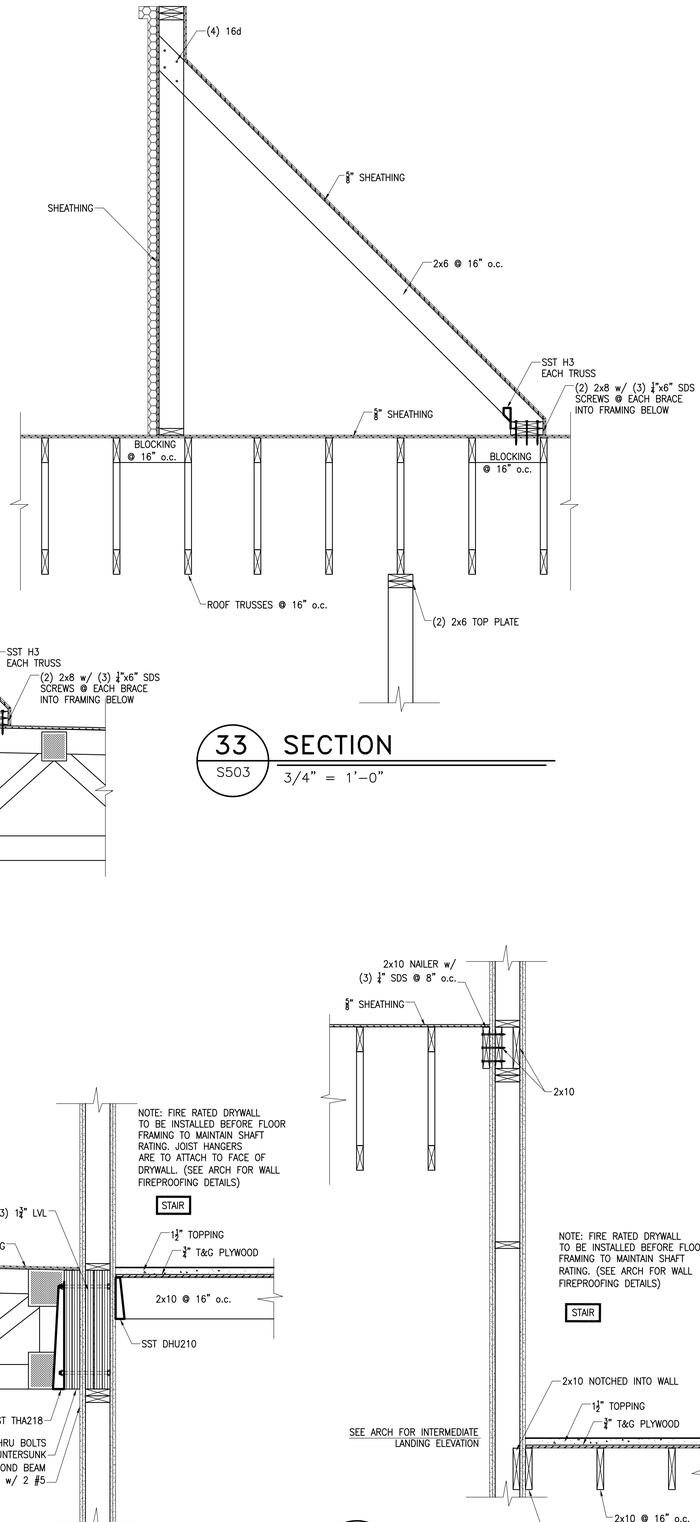


31 S503 SECTION
3/4" = 1'-0"

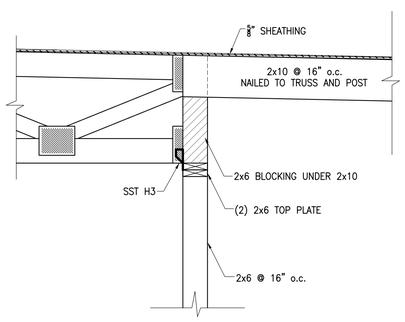


32 S503 SECTION
3/4" = 1'-0"

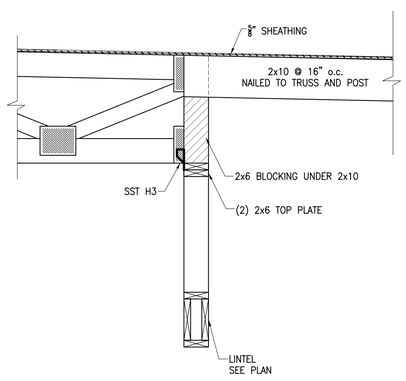
33 S503 SECTION
3/4" = 1'-0"



34 S503 SECTION
3/4" = 1'-0"



35 S503 SECTION
3/4" = 1'-0"



36 S503 SECTION
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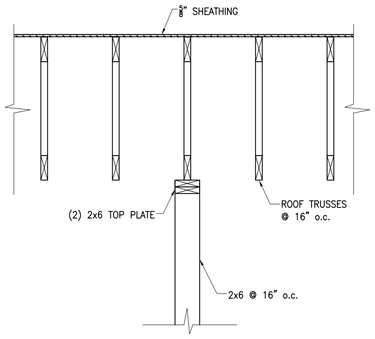
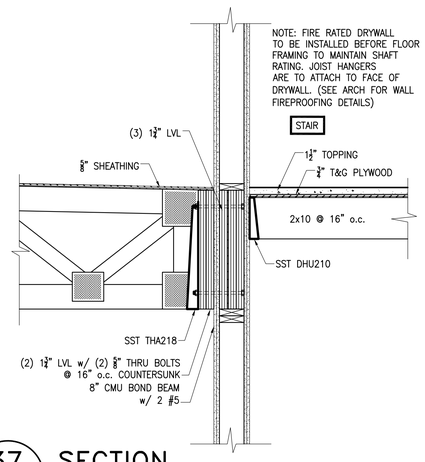


37 S503 SECTION
3/4" = 1'-0"



38 S503 SECTION
3/4" = 1'-0"

WES WHISONANT ENGINEERING SERVICES, LLC
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Email: bill@wesllc.com

WILLIAM O. WHISONANT LICENSE No. 74020 07/31/18 STATE OF FLORIDA PROFESSIONAL ENGINEER

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HOME 2 SUITES
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VICKSBURG, MS 39180

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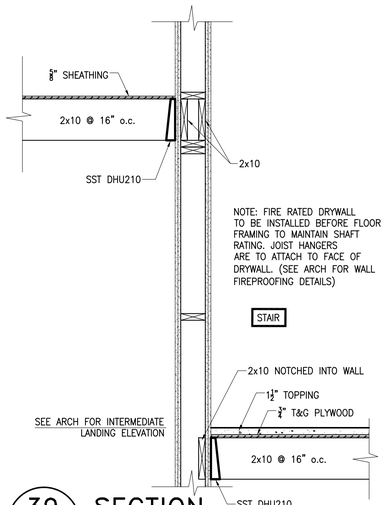
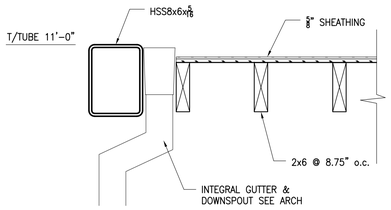
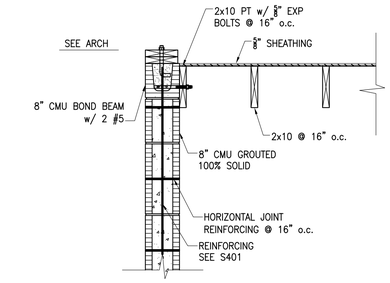


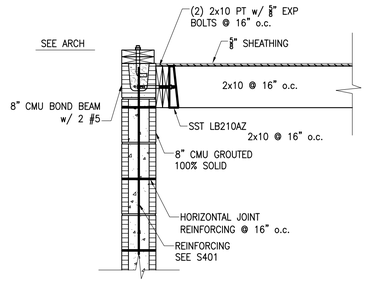
39 S504 **SECTION**
3/4" = 1'-0"



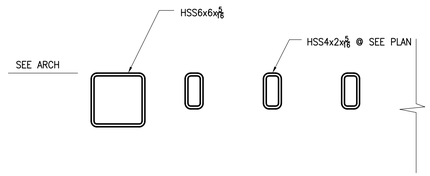
44 S504 **SECTION**
1 1/2" = 1'-0"



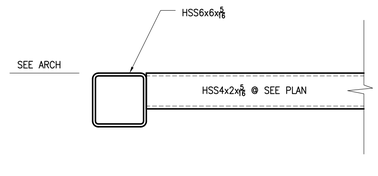
40 S504 **SECTION**
3/4" = 1'-0"



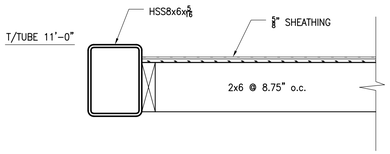
41 S504 **SECTION**
3/4" = 1'-0"



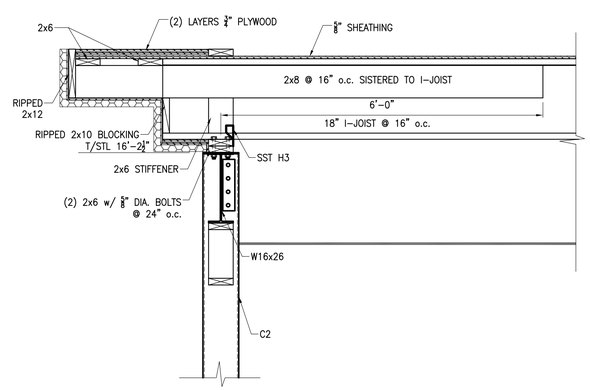
42 S504 **SECTION**
1 1/2" = 1'-0"



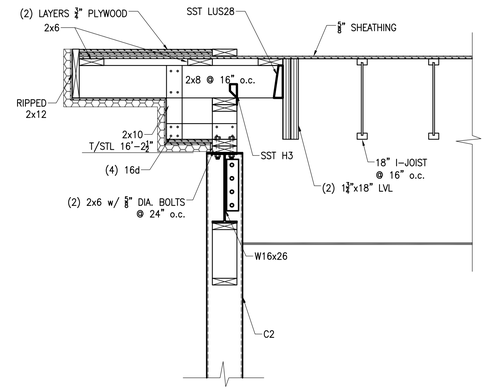
43 S504 **SECTION**
1 1/2" = 1'-0"



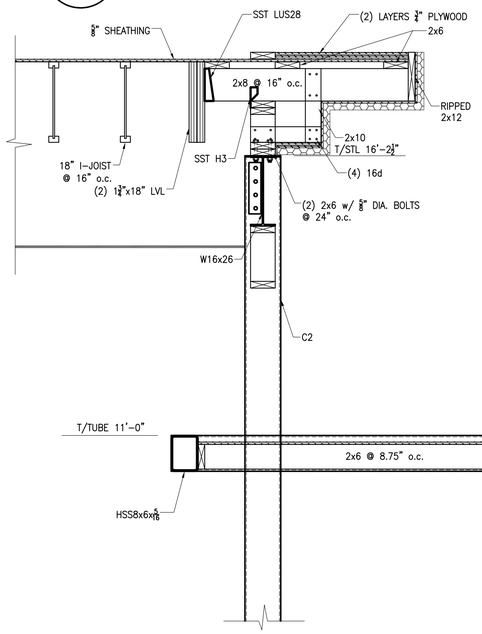
45 S504 **SECTION**
1 1/2" = 1'-0"



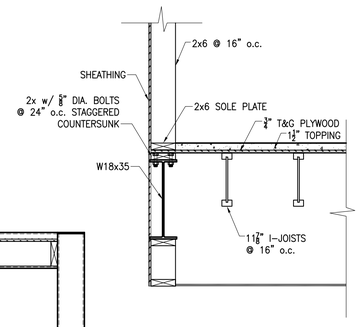
46 S504 **SECTION**
3/4" = 1'-0"

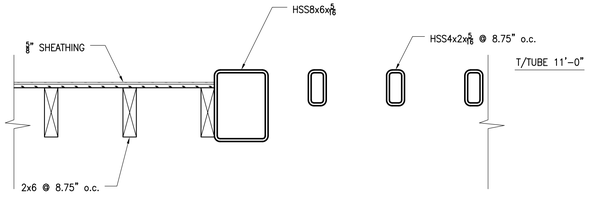


47 S504 **SECTION**
3/4" = 1'-0"



48 S504 **SECTION**
3/4" = 1'-0"





49 S504 **SECTION**
1 1/2" = 1'-0"

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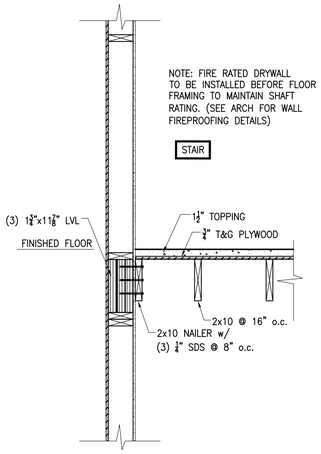
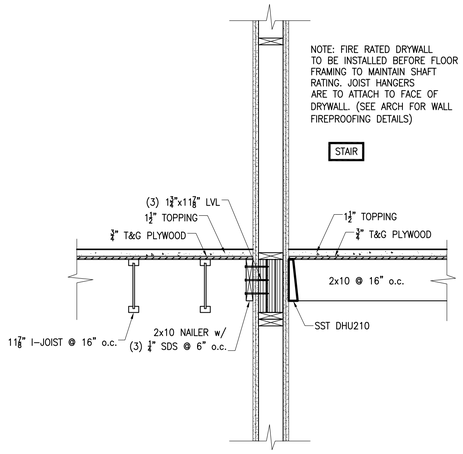
S504

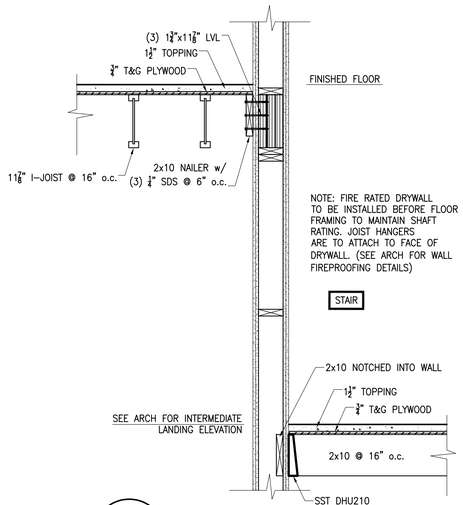
8/14/2018 2:20:32 PM



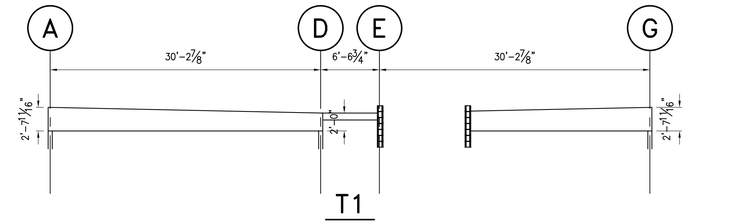
50 S505 SECTION
3/4" = 1'-0"



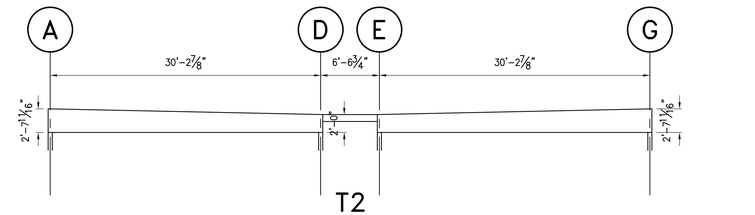
51 S505 SECTION
3/4" = 1'-0"



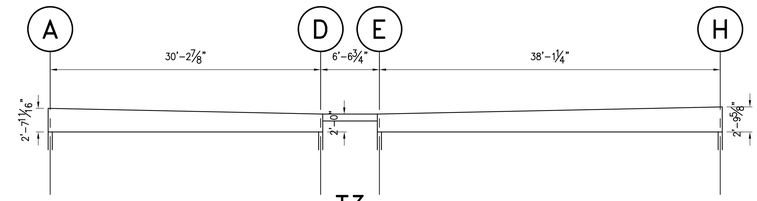
52 S505 SECTION
3/4" = 1'-0"



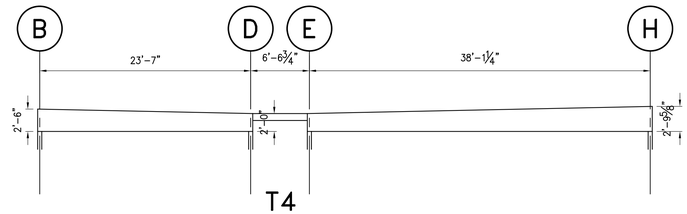
T1



T2

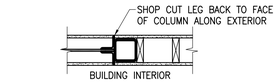


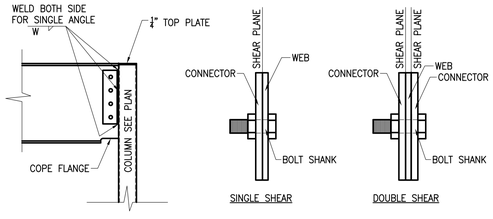
T3



T4

TRUSS PROFILES
1/8" = 1'-0"

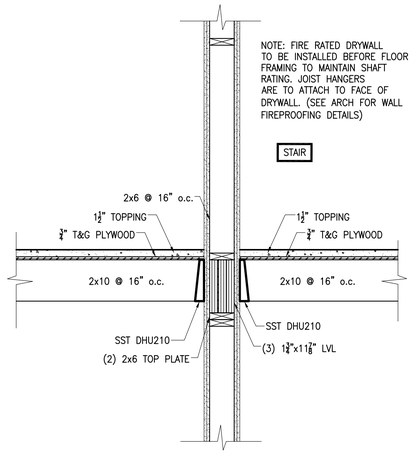




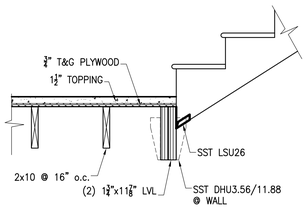
BEAM SIZE	CONNECTOR	BOLTS	W
W10	L3x3x$\frac{5}{16}$ x 5"	(2) ¾" A325-X	0.25
W12	L3x3x$\frac{5}{16}$ x 8"	(3) ¾" A325-X	0.25
W14	L3x3x$\frac{5}{16}$ x 8"	(3) ¾" A325-X	0.25
W16	L3x3x$\frac{5}{16}$ x 11"	(4) ¾" A325-X	0.25
W18	(2) L4x3x$\frac{5}{16}$ x 14"	(5) ¾" A325-X	0.3125
W21	(2) L4x3x$\frac{5}{16}$ x 17"	(6) ¾" A325-X	0.3125
W24	(2) L4x3x$\frac{5}{16}$ x 20"	(7) ¾" A325-X	0.3125
W27	(2) L4x3x$\frac{5}{16}$ x 20"	(7) ¾" A325-X	0.3125
W30	(2) L4x3x$\frac{5}{16}$ x 23"	(8) ¾" A325-X	0.3125
W33	(2) L4x3x$\frac{5}{16}$ x 26"	(9) ¾" A325-X	0.3125
W36	(2) L4x3x$\frac{5}{16}$ x 29"	(10) ¾" A325-X	0.3125

BEAM TO COLUMN CONNECTION

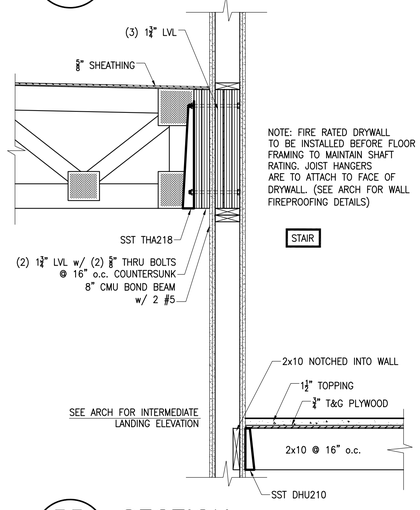
FOR BEAMS ALONG EXTERIOR WALL:
SINGLE SIDED CONNECTIONS PLACE ANGLES ON INTERIOR SIDE OF BEAM
DOUBLE SIDED CONNECTIONS CUT OUTSTANDING LEG OF EXTERIOR ANGLE TO FACE OF COLUMN



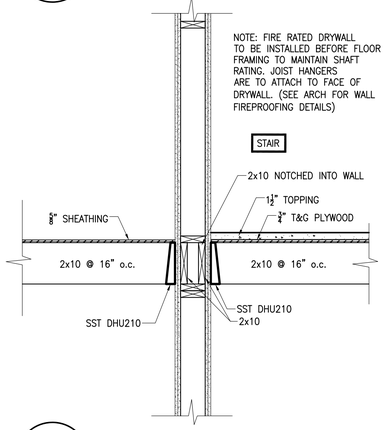
53 S505 SECTION
3/4" = 1'-0"



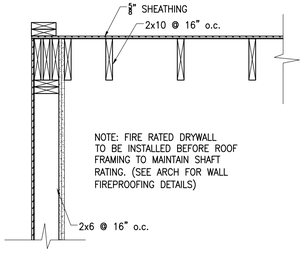
54 S505 SECTION
3/4" = 1'-0"



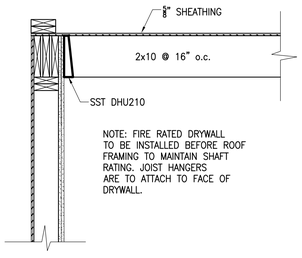
55 S505 SECTION
3/4" = 1'-0"



56 S505 SECTION
3/4" = 1'-0"



57 S505 SECTION
3/4" = 1'-0"



58 S505 SECTION
3/4" = 1'-0"

WHISONANT ENGINEERING SERVICES, LLC
32 Nut Tree Court
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WILLIAM O. WHISONANT LICENSE NO. 74020 07/31/18 STATE OF FLORIDA PROFESSIONAL ENGINEER

NO.	DATE	REVISION

HOME 2 SUITES
BERRYMAN ROAD
VICKSBURG, MS 39180

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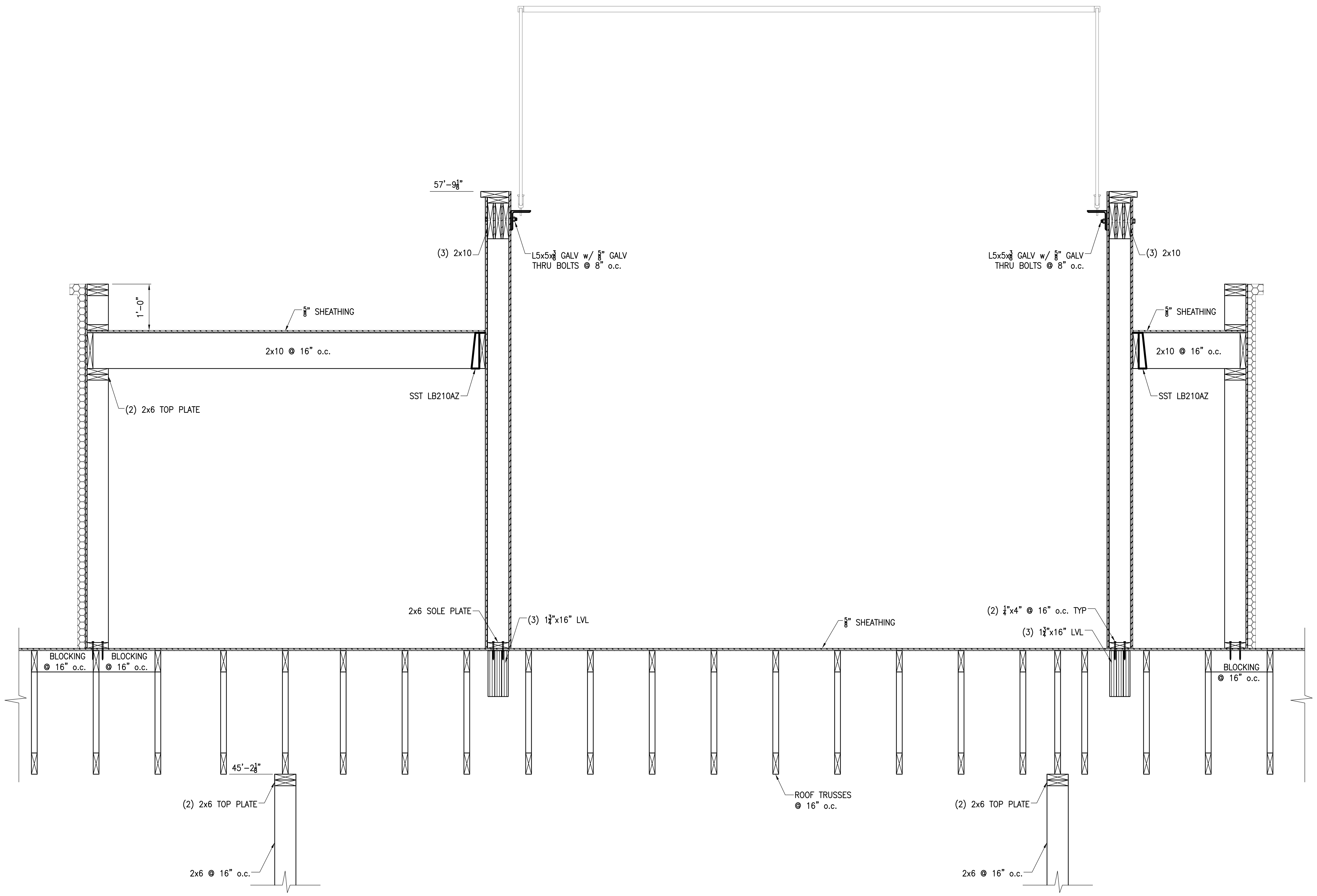
DATE : 07-31-18

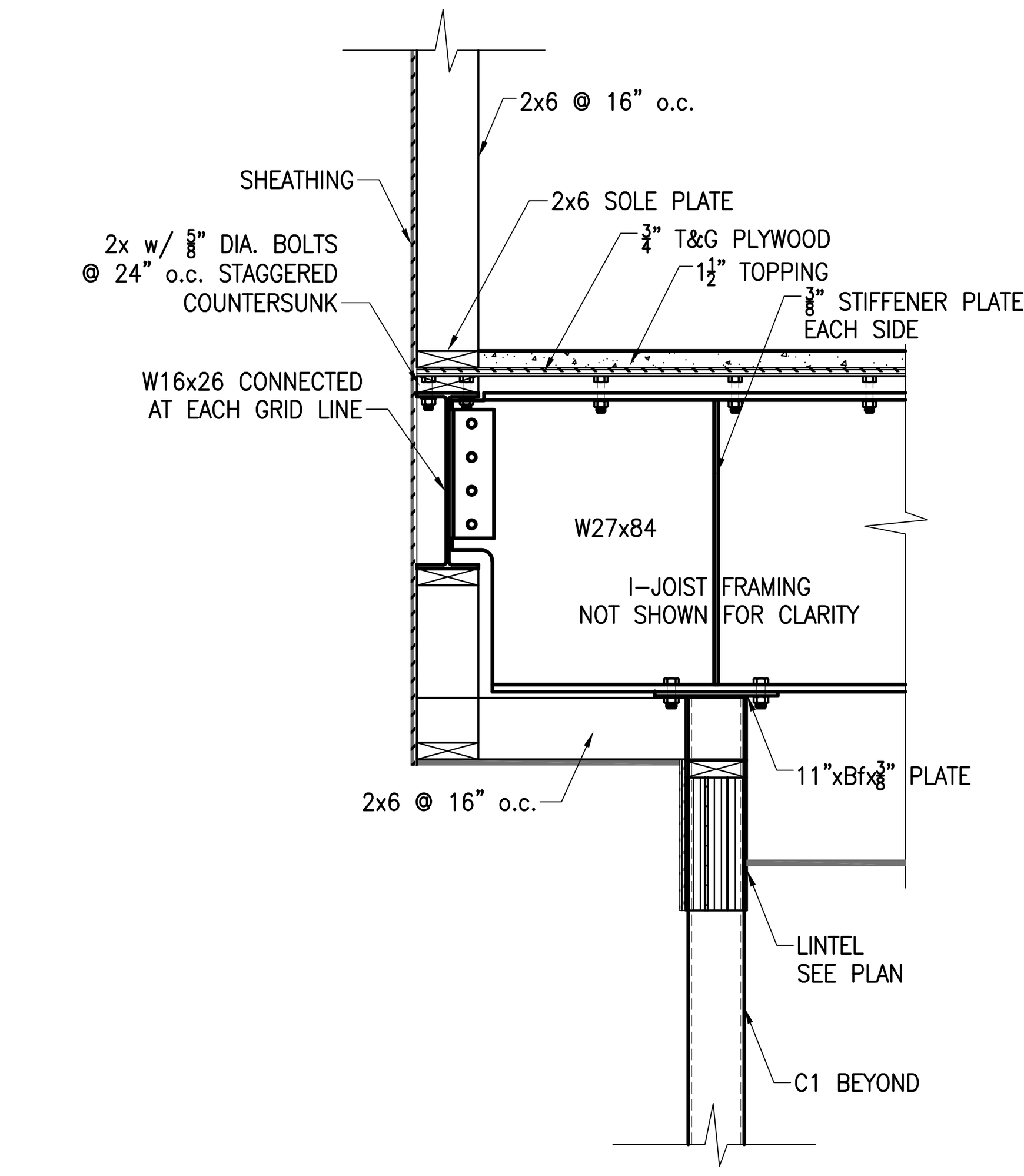
DRAWING TITLE:
FRAMING SECTIONS

SCALE: AS SHOWN
PROJECT NO: 037P02
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WOW

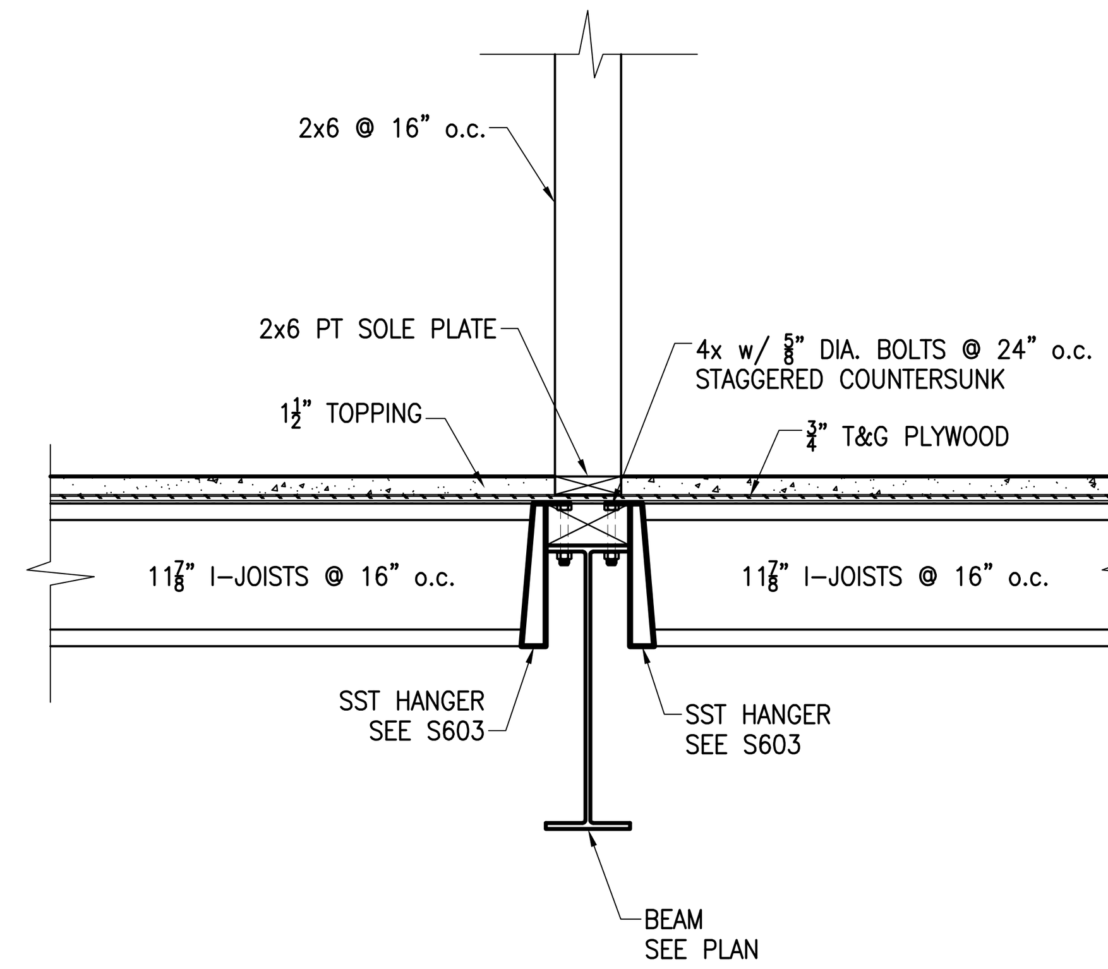
SHEET NO:
S505



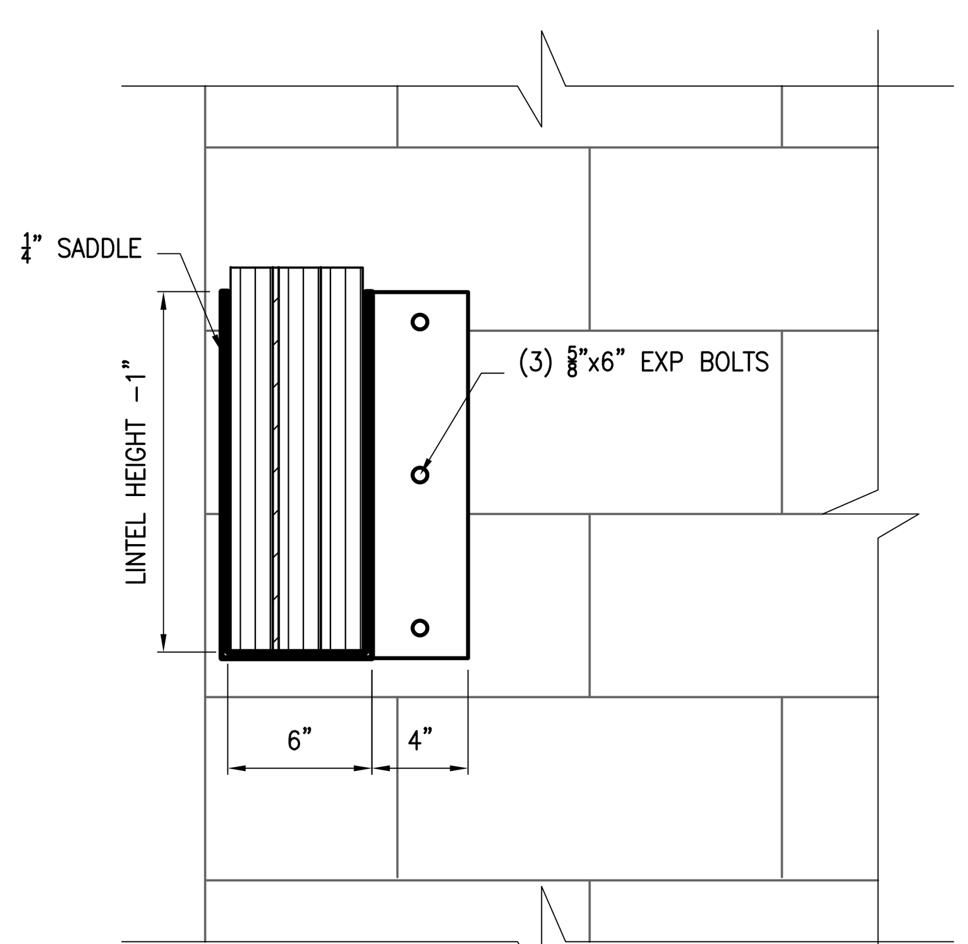
59 SECTION
S506
3/4" = 1'-0"



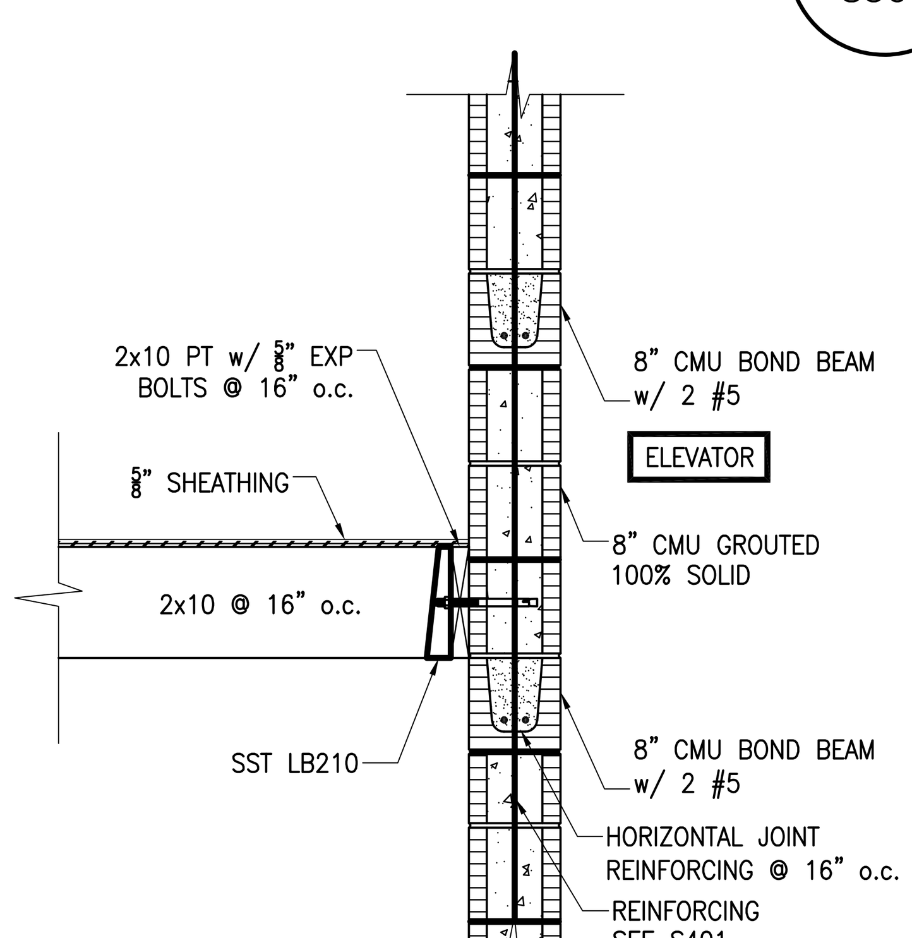
60 SECTION
S506
3/4" = 1'-0"



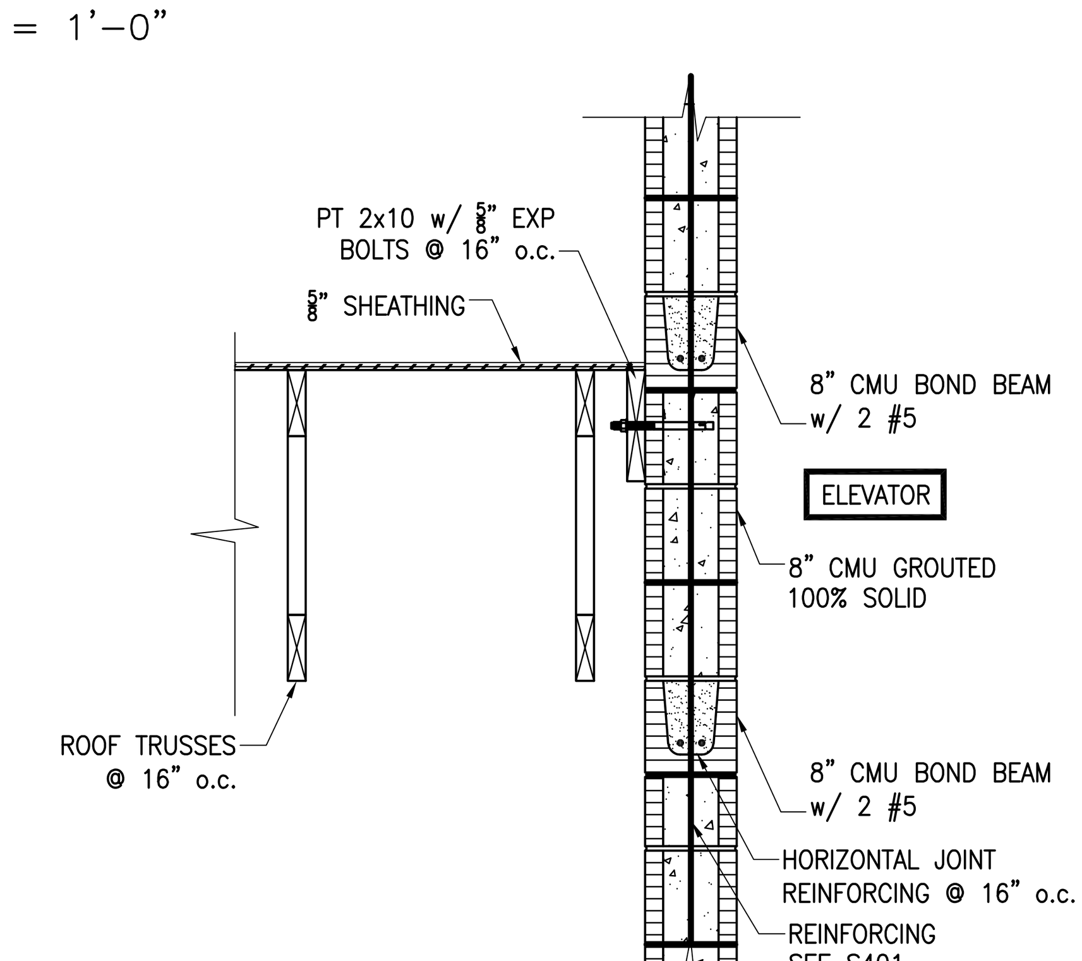
61 SECTION
S506
3/4" = 1'-0"



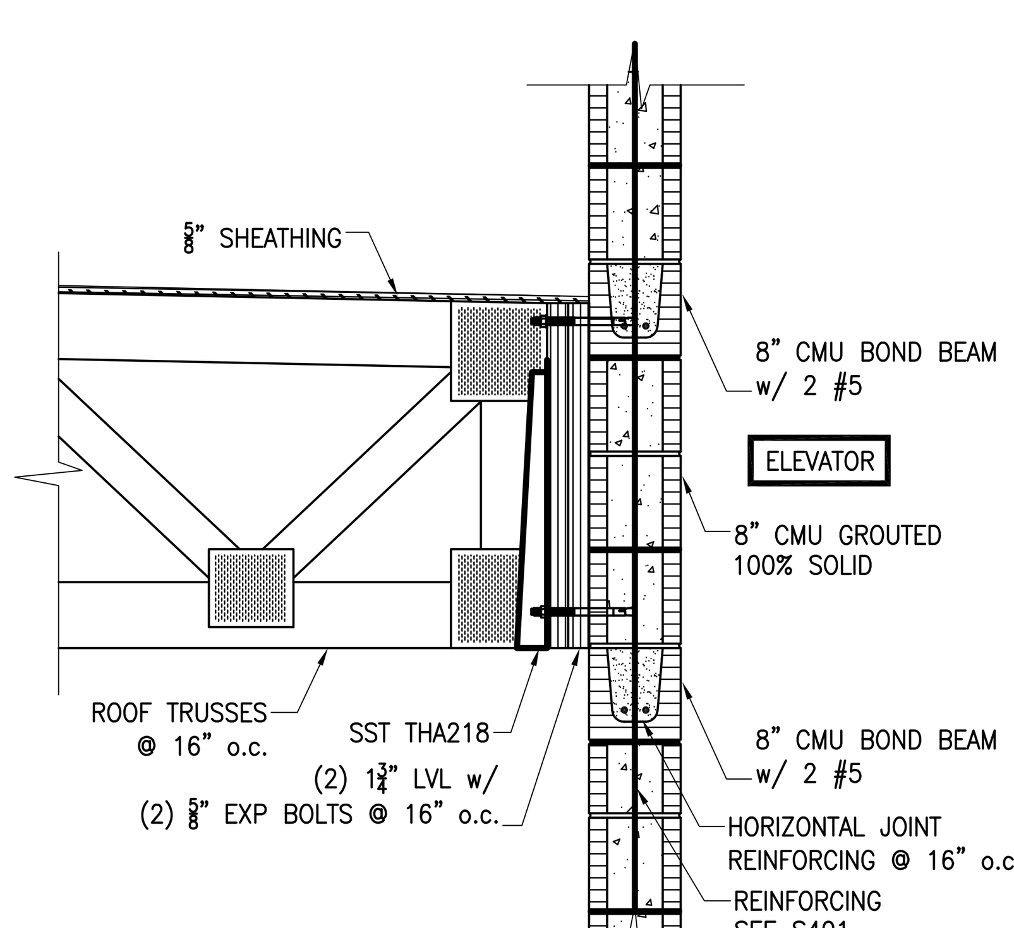
62 SECTION
S506
1 1/2" = 1'-0"



63 SECTION
S506
3/4" = 1'-0"



64 SECTION
S506
3/4" = 1'-0"



65 SECTION
S506
3/4" = 1'-0"

WES
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WILLIAM O. WHISONANT
LICENSE No. 71020
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NO.	DATE	REVISION

HOME 2 SUITES
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VICKSBURG, MS 39180

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DRAWING TITLE:
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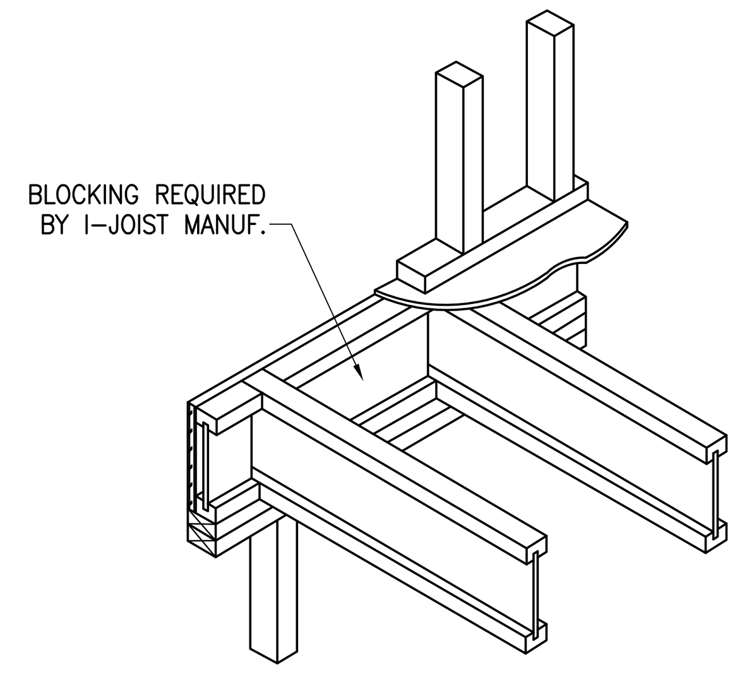
SCALE:	AS SHOWN
PROJECT NO:	037902
DATE:	07-31-18
DRAWN BY:	HVS
CHECKED BY:	WOW

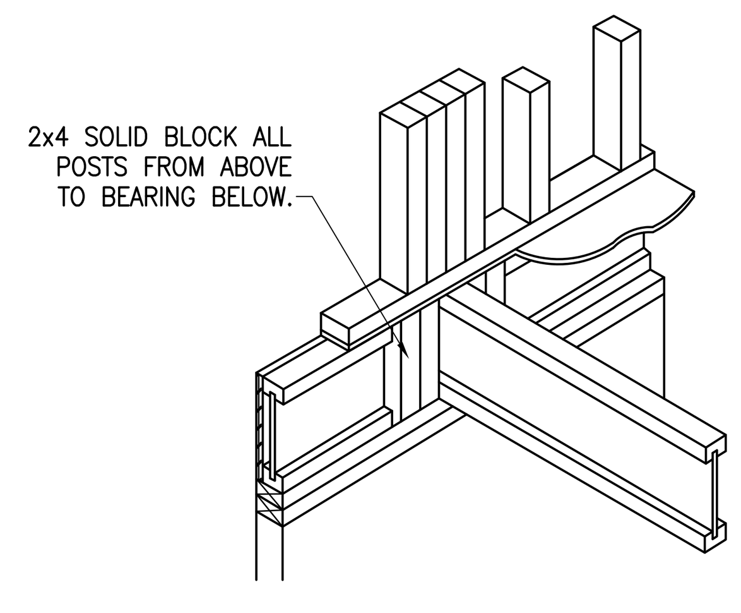
SHEET NO:
S506

8/14/2018 2:20:35 PM



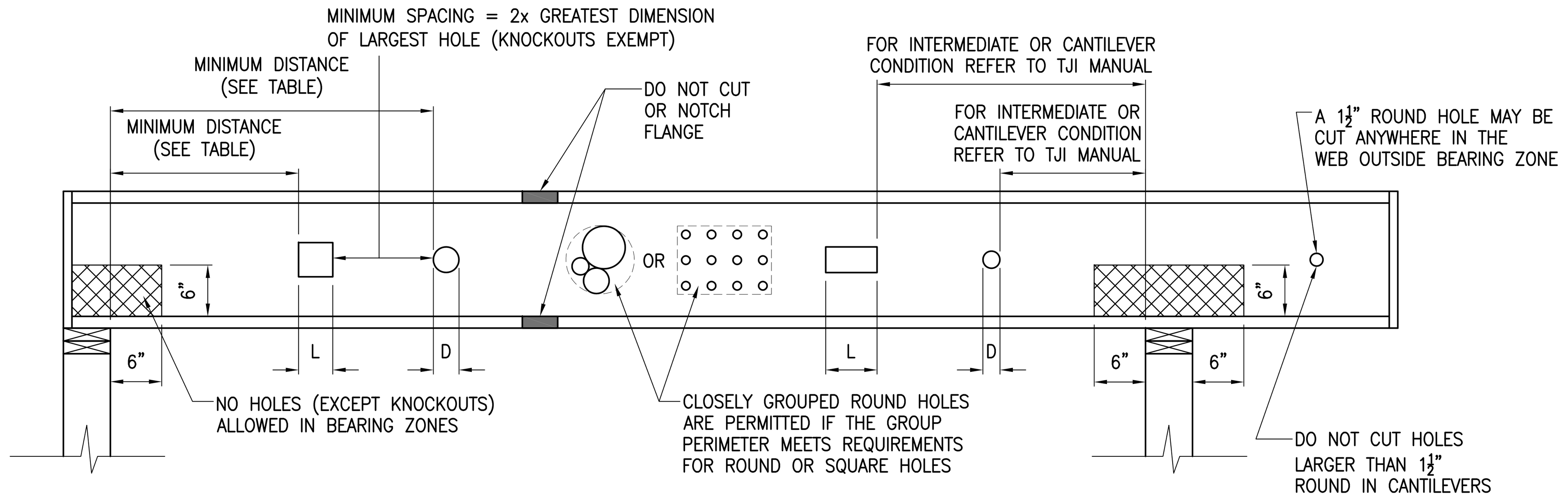
I-JOIST BLOCKING DETAIL

3/4" = 1'-0"



I-JOIST SQUASH BLOCK DETAIL

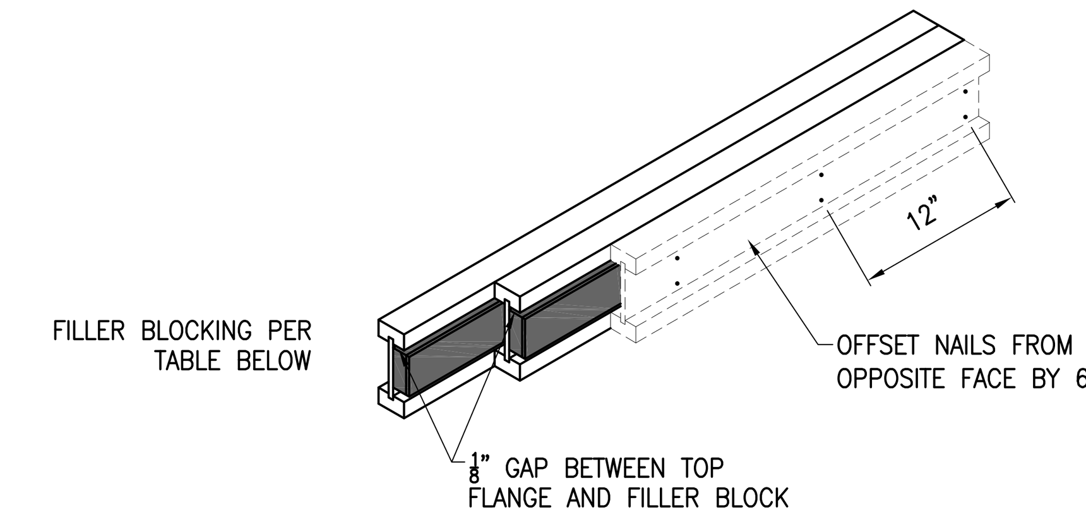
3/4" = 1'-0"



		MINIMUM DISTANCE FROM EDGE OF HOLE TO INSIDE FACE OF NEAREST END SUPPORT																	
		ROUND HOLE SIZE (D)									SQUARE OR RECTANGULAR HOLE SIZE (L)								
DEPTH	TJI	2"	3"	4"	5"	6½"	7"	8⅞"	11"	13"	2"	3"	4"	5"	6½"	7"	8⅞"	11"	13"
11⅞"	110	1'-0"	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	5'-6"			1'-0"	1'-6"	2'-0"	2'-6"	4'-6"	5'-0"	6'-0"		
	210	1'-0"	1'-6"	2'-0"	2'-0"	3'-0"	3'-6"	6'-0"			1'-0"	1'-6"	2'-6"	3'-0"	5'-0"	5'-6"	6'-6"		
	230	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	6'-6"			1'-0"	2'-0"	2'-6"	3'-6"	5'-6"	5'-6"	7'-0"		
	360	1'-6"	2'-0"	3'-0"	3'-6"	4'-6"	5'-0"	7'-0"			1'-6"	2'-6"	3'-6"	4'-6"	6'-6"	6'-6"	7'-6"		
	560	1'-6"	2'-6"	3'-0"	4'-0"	5'-6"	6'-0"	8'-0"			2'-6"	3'-6"	4'-6"	5'-6"	7'-0"	7'-6"	8'-0"		
16"	110	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-6"	3'-6"	6'-0"	1'-0"	1'-0"	1'-0"	2'-0"	3'-0"	3'-6"	6'-6"	8'-0"	11'-0"
	230	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	1'-6"	3'-0"	4'-0"	7'-0"	1'-0"	1'-0"	1'-0"	2'-0"	3'-6"	4'-0"	7'-0"	9'-0"	11'-0"
	360	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	2'-6"	4'-6"	6'-6"	9'-0"	1'-0"	1'-0"	1'-6"	3'-0"	5'-0"	5'-6"	9'-0"	10'-0"	11'-6"
	560	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-0"	5'-0"	7'-6"	10'-0"	1'-0"	2'-0"	3'-0"	4'-6"	6'-6"	7'-0"	10'-0"	11'-0"	12'-0"

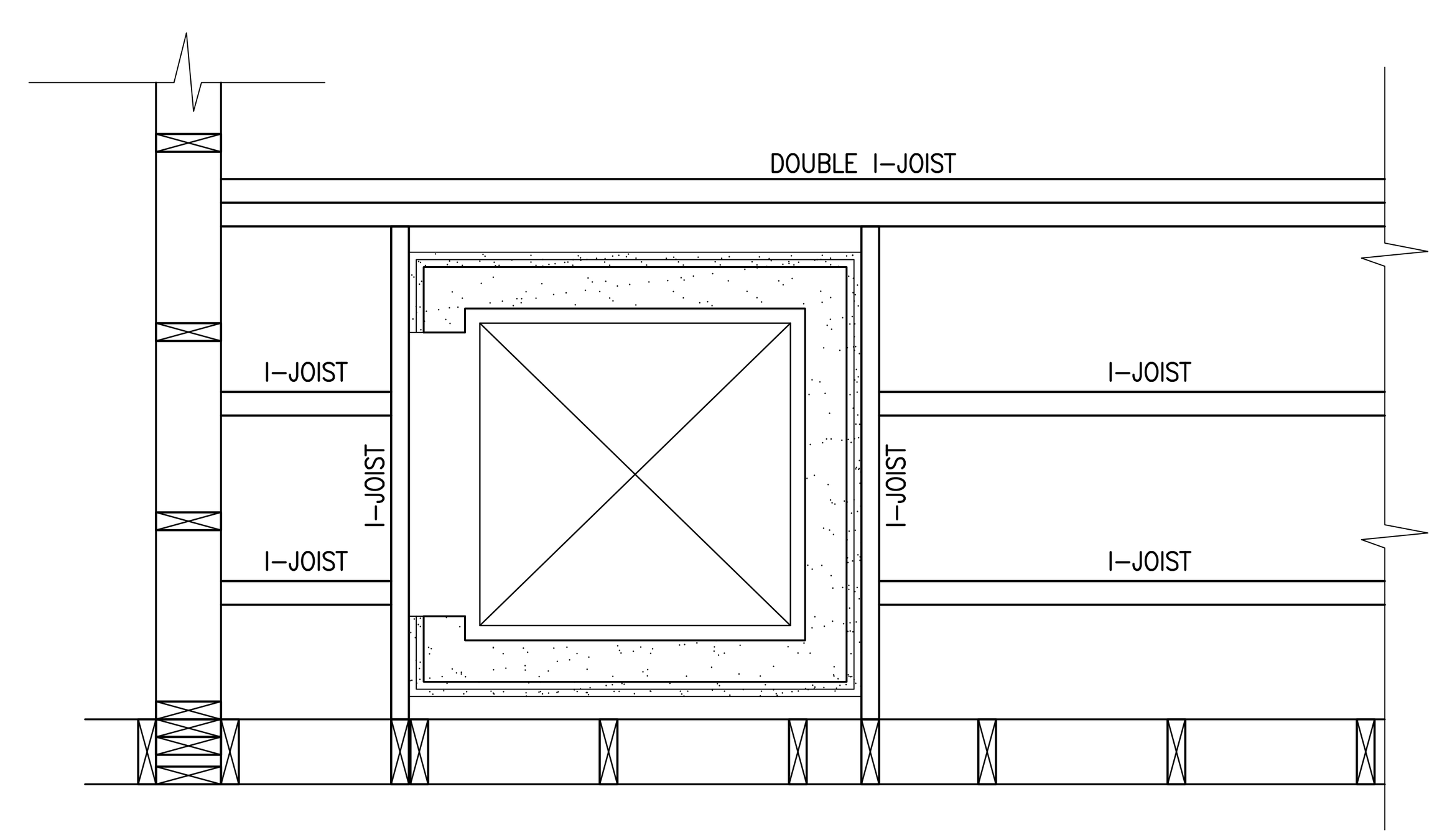
I-JOIST HOLE LOCATION & SIZING

1. CUTTING I-JOISTS ABOVE DEMISING WALLS OR CORRIDOR WALLS AND WHERE JOISTS ARE IN NON-BENDING INSTALLATIONS IS PERMITTED PROVIDED THE DRAFT STOPPING IF REQUIRED IS RESTORED.
2. FOR HOLE LOCATIONS/SIZE OTHER THAN THOSE INDICATED CONTACT THE I-JOIST SUPPLIER FOR APPROVAL.



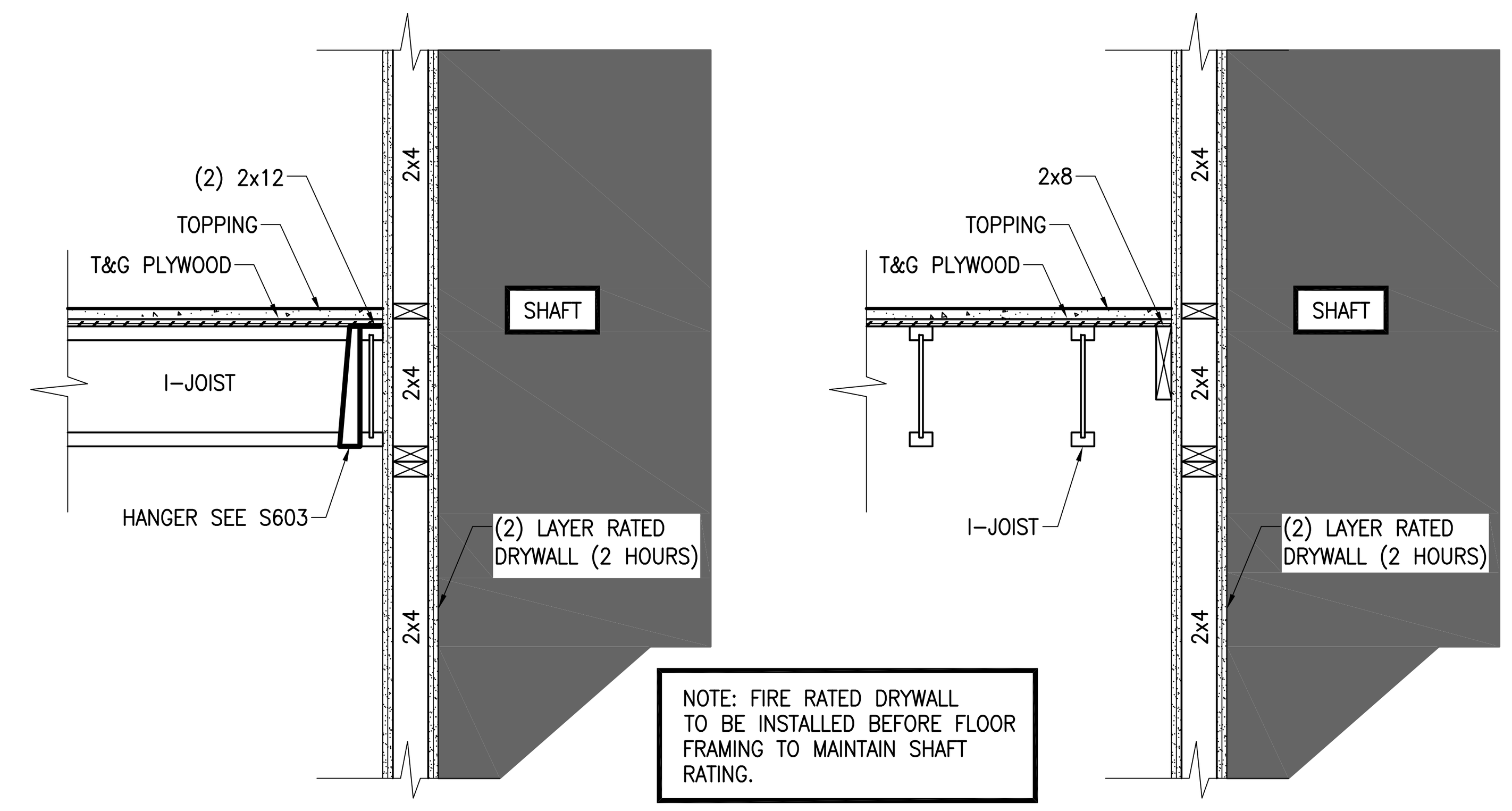
FILLER BLOCK SIZE FOR DOUBLE & TRIPLE I-JOISTS				
FLANGE WIDTH	JOIST SERIES	DEPTH	DEEP FILLER BLOCK SIZE	
			OVERALL DIMENSIONS	ALLOWABLE LUMBER COMBINATIONS
PER MANUF.	AS SHOWN	11⅞"	3" x 8"	(2) 2x8
		14	3" x 10"	(2) 2x10
		16	3" x 12"	(2) 2x12

DOUBLE & TRIPLE I-JOISTS DETAIL



LAUNDRY CHUTE

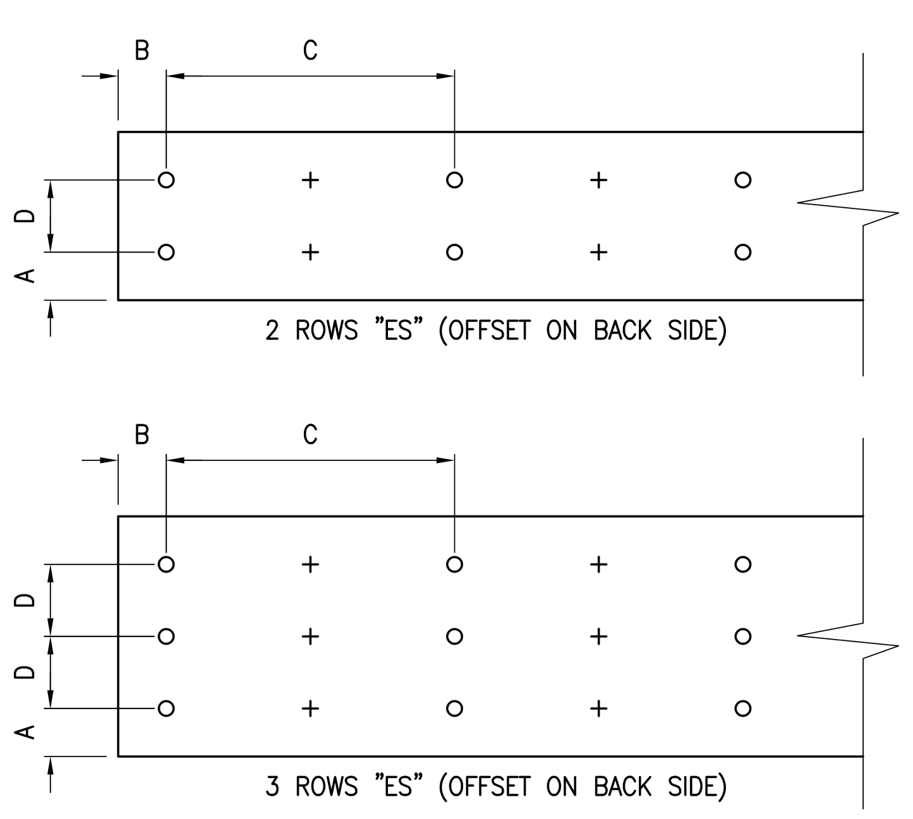
INDICATES RATED SHAFT WALL FRAMING DOES NOT PENETRATE SHAFTWALL



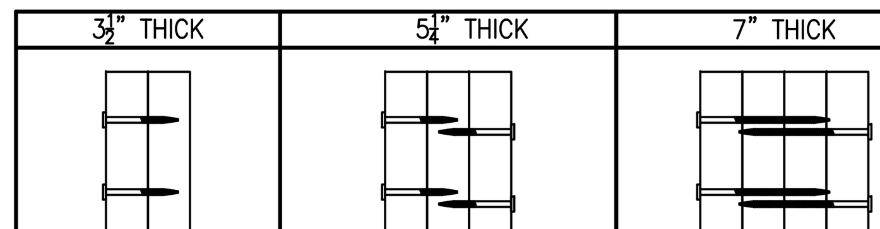
LAUNDRY CHUTE DETAILS

FASTENER TYPE	A	B		C		D
	MIN.	MIN.	MAX.	MIN.	MAX.	MIN.
10d & 16d NAILS	2"	2"	6"	4"	12"	3"
BOLTS & SCREWS	2"	4"	12"	4"	24"	3"

SPACINGS CLOSER THAN THOSE ABOVE MAY BE ACCEPTABLE, BUT REQUIRE SPECIAL CONSIDERATION. CONTACT YOUR TECHNICAL REPRESENTIVE.



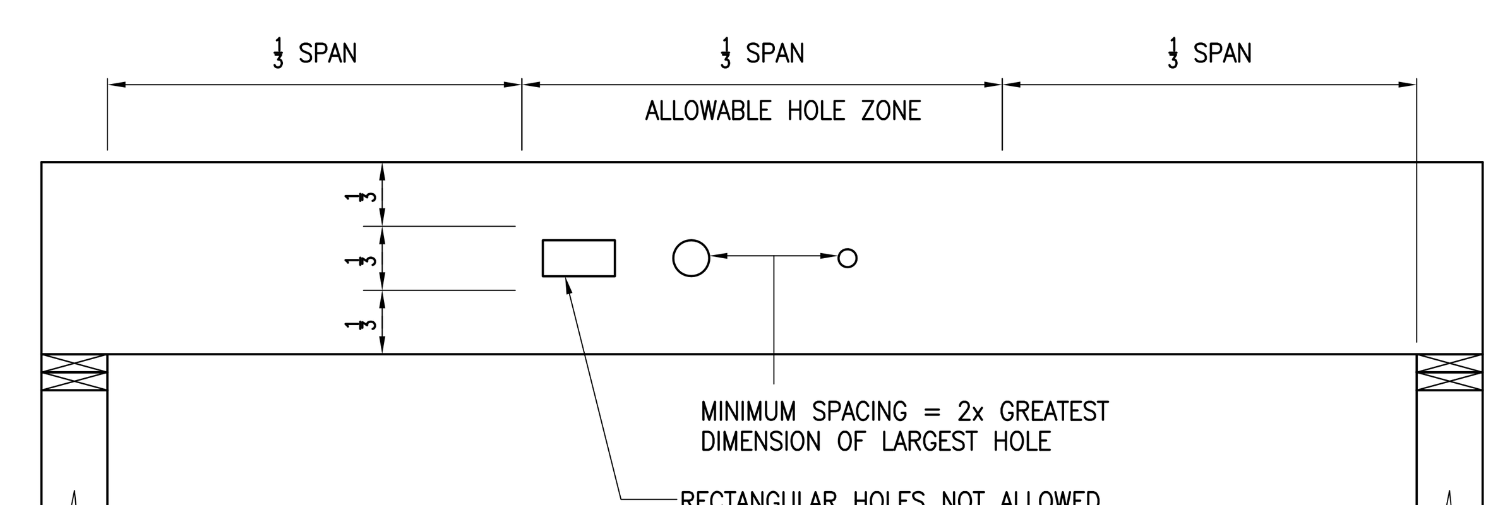
FASTENER CLEARANCES FOR MULTIPLE-PLY MEMBERS



		3½" THICK	5¼" THICK	7" THICK
FASTENER TYPE	LVL DEPTH	2-PLY 1¾"	3-PLY 1¾"	4-PLY 1¾"
10d (0.128"x3") NAILS	7¼"≤d<14"	3 ROWS @ 12" o.c.	3 ROWS @ 12" o.c. (ES)	---
	d≥14"	4 ROWS @ 12" o.c.	4 ROWS @ 12" o.c. (ES)	---
16d (0.162"x3½") NAILS	7¼"≤d<14"	2 ROWS @ 12" o.c.	2 ROWS @ 12" o.c. (ES)	---
	d≥14"	3 ROWS @ 12" o.c.	3 ROWS @ 12" o.c. (ES)	---
½" THROUGH BOLTS	d≥14"	2 ROWS @ 24" o.c.	2 ROWS @ 24" o.c.	2 ROWS @ 24" o.c.
SDS ¼"x3½", WS35, 3⅜" TRUSSLOK		2 ROWS @ 24" o.c.	2 ROWS @ 24" o.c. (ES)	---
SDS ¼"x6", WS6		---	---	2 ROWS @ 24" o.c. (ES)
5" TRUSSLOK		---	2 ROWS @ 24" o.c.	---
6¾" TRUSSLOK		---	---	2 ROWS @ 24" o.c.

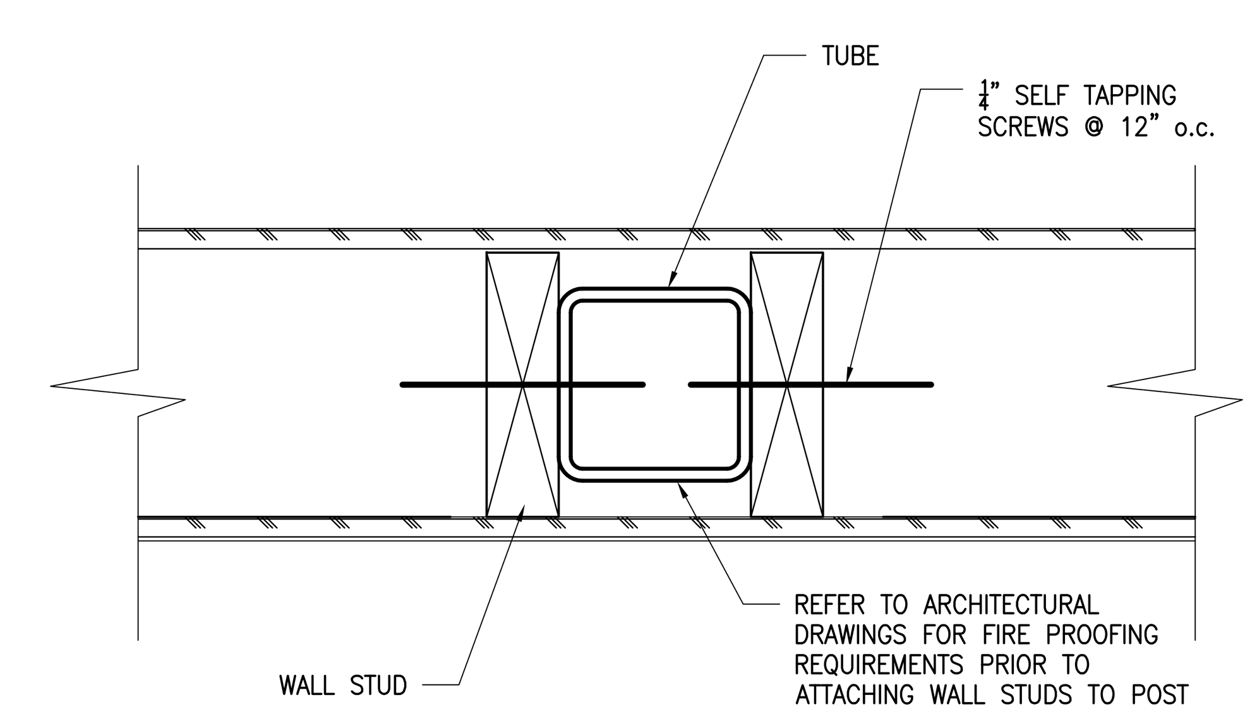
NOTES:
1. ALL FASTENERS MUST MEET THE MINIMUM REQUIREMENTS IN THE TABLE ABOVE. SIDE-LOADED MULTIPLE-PLY MEMBERS MUST MEET THE MINIMUM FASTENING AND SIDE-LOADING CAPACITY REQUIREMENTS GIVEN.
2. THREE GENERAL RULES FOR STAGGERING OR OFFSETTING FOR A CERTAIN FASTENER SCHEDULE: (1) IF STAGGERING OR OFFSETTING IS NOT REFERENCED, THEN NONE IS REQUIRED;(2) IF STAGGERING IS REFERENCED, THEN FASTENERS INSTALLED IN ADJACENT ROWS ON THE FRONT SIDE ARE TO BE STAGGERED UP TO ONE-HALF THE o.c. SPACING, BUT MAINTAINING THE FASTENER CLEARANCES ABOVE; AND (3) IF "ES" IS REFERENCED, THEN THE FASTENER SCHEDULE MUST BE REPEATED ON EACH SIDE, WITH THE FASTENERS ON THE BACK SIDE OFFSET UP TO ONE-HALF THE o.c. SPACING OF THE FRONT SIDE (WHETHER OR NOT IT IS STAGGERED).

MIN. FASTENING REQUIREMENTS FOR TOP- AND SIDE-LOADED MEMBERS



ALLOWABLE HOLE SIZES	
BEAM DEPTH	MAX ROUND HOLE DIA
3½" - 7"	¾"
7¼" - 9¼"	1½"
9½" - 16"	2"
> 16"	3"

LVL ALLOWABLE HOLES



COLUMN DETAIL

3" = 1'-0"

NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR FIRE PROOFING REQUIREMENTS. FIRE PROOFING MAY NEED TO BE APPLIED BEFORE STUD IS ADDED.

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WILLIAM O. WHISONANT
LICENSE No. 71020
07/31/18
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NO.	DATE	REVISION

HOME 2 SUITES
BERRYMAN ROAD
VICKSBURG, MS 39180

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- ■ CONSTRUCTION

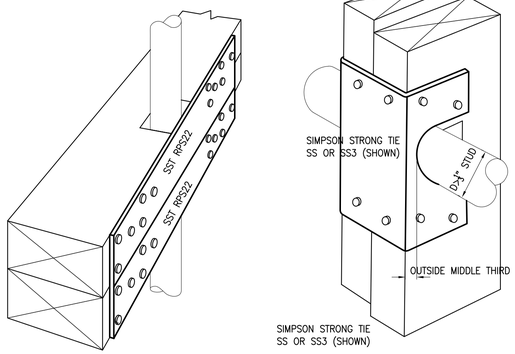
DATE : 07-31-18

DRAWING TITLE:
WOOD DETAILS

SCALE: AS SHOWN
PROJECT NO: 037P02
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WOW

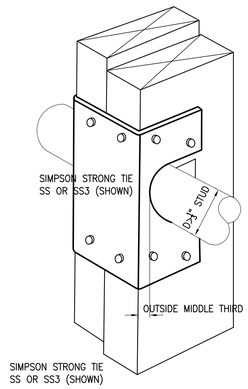
SHEET NO:
S601

8/14/2018 2:20:36 PM



TOP PLATE

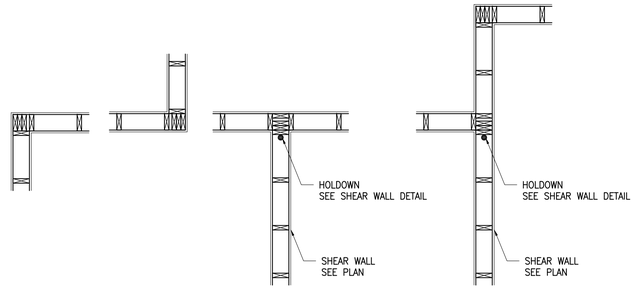
APPLIES ONLY WHERE PENETRATIONS EXCEED ONE THIRD THE STUD AND/OR OUTSIDE THE MIDDLE THIRD



WALL STUD

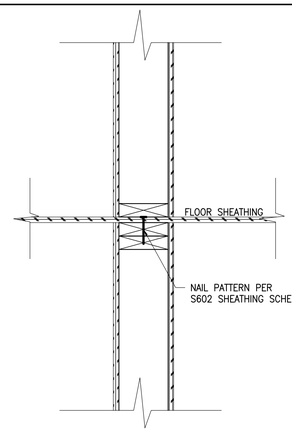
WOOD PENETRATION DETAILS

3"=1'-0"



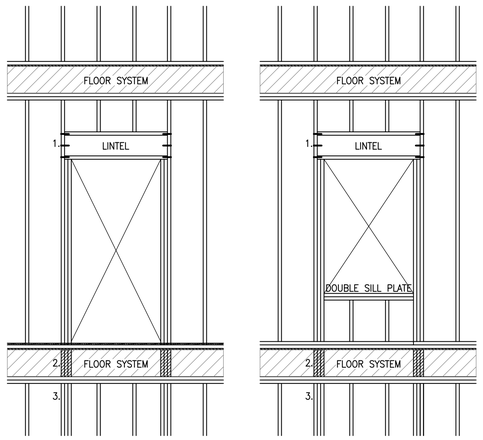
WALL CONSTRUCTION DETAIL

1/2"=1'-0"



NON-LOAD BEARING SHEATHING ATTACHMENT

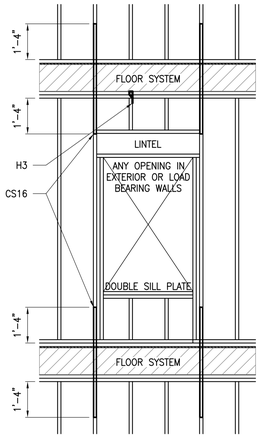
1 1/2" = 1'-0"



LINTEL FRAMING

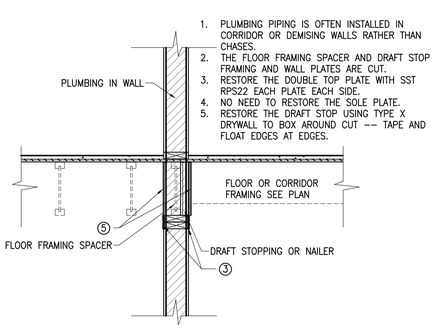
3/8"=1'-0"

1. (6) 16d NAILS
2. SOLID BLOCKING BELOW JACK AND KING STUDS
3. STUDS TO CONTINUE TO FIRST FLOOR SLAB.

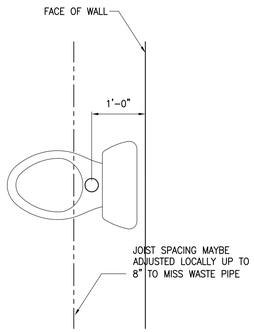


FRAMING AROUND OPENINGS

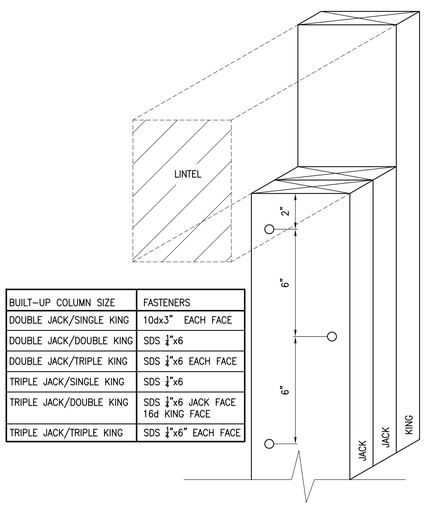
3/8"=1'-0" OCCURS AT ROOF AND FLOOR BELOW AT EXTERIOR WALL



PLUMBING IN WALL



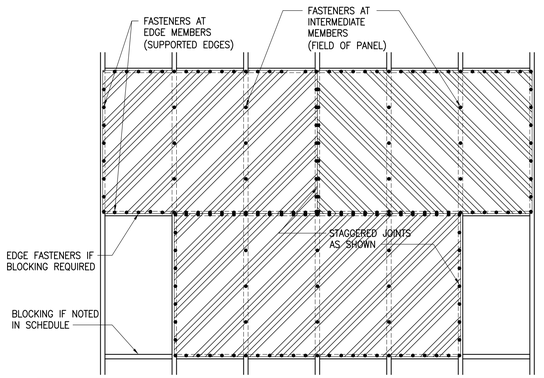
FRAMING @ TOILET



BUILT-UP COLUMN SIZE	FASTENERS
DOUBLE JACK/SINGLE KING	10dx3" EACH FACE
DOUBLE JACK/DOUBLE KING	SDS ¼"x6
DOUBLE JACK/TRIPLE KING	SDS ¼"x6 EACH FACE
TRIPLE JACK/SINGLE KING	SDS ¼"x6
TRIPLE JACK/DOUBLE KING	SDS ¼"x6 JACK FACE 16d KING FACE
TRIPLE JACK/TRIPLE KING	SDS ¼"x6" EACH FACE

BUILT UP POST FASTENING

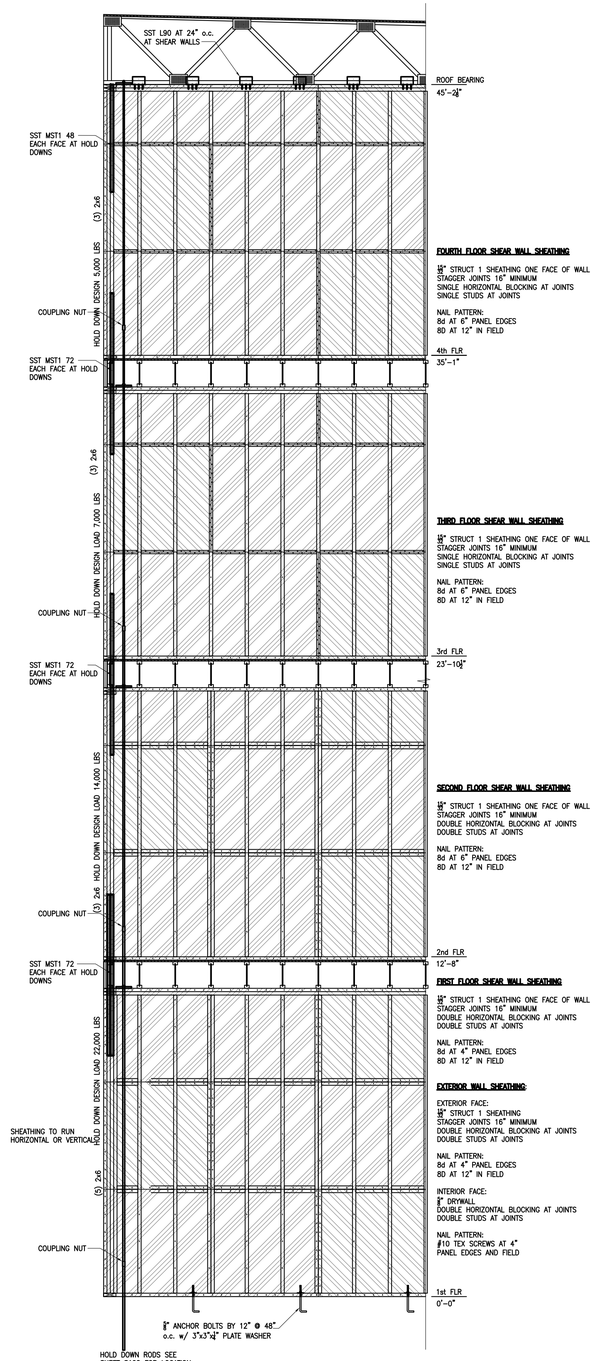
3"=1'-0"



ROOF/FLOOR SHEATHING SCHEDULE

LOCATION	DIAPHARAM SHEATHING MATERIAL		EDGE MEMBER FASTENERS		INTERMEDIATE MEMBER FASTENERS		BLOCKED/
	NOM.THICKNESS	GRADE/RATING	FASTENERS	SPACING	FASTENERS	SPACING	UNBLOCKED
ROOF	⅜"	ADVANTECH	10d x 1⅜ PENETRATION	6" o.c.	10d x 1⅜ PENETRATION	12" o.c.	UNBLOCKED
FLOOR	¾"	ADVANTECH T&G	10d x 1⅜ PENETRATION	6" o.c.	10d x 1⅜ PENETRATION	12" o.c.	UNBLOCKED

FLOOR SHEATHING TO BE GLUED (PL400) AND FASTENED
FOR UNBLOCKED INSTALLATIONS EDGE FASTENERS PERPENDICULAR TO THE FRAMING AT FRAMING ONLY.



EXTERIOR AND SHEAR WALL DETAIL

3/8"=1'-0"

SUPPLIER TO DESIGN HOLD DOWN RODS AND ANCHORS BASED ON LOADS PROVIDED.

WES WHISONANT ENGINEERING SERVICES, LLC
22 Nut Tree Court
Lexington, South Carolina 29072
(803) 957-4008
Email: bill@wesllc.com

WILLIAM O. WHISONANT LICENSE NO. 74020 07/31/18 STATE OF FLORIDA PROFESSIONAL ENGINEER

NO.	DATE	REVISION

HOME 2 SUITES
BERRYMAN ROAD
VICKSBURG, MS 39180

RELEASED FOR:
□PRELIMINARY ONLY
□BIDDING/PRICING
■PERMIT
■CONSTRUCTION
DATE : 07-31-18

DRAWING TITLE:
WOOD DETAILS

SCALE: AS SHOWN
PROJECT NO: 037P02
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WLW

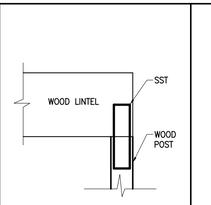
SHEET NO:
S602

8/14/2018 2:20:38 PM

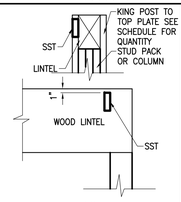
NOTE:

1. HANGERS ARE SIMPSON STRONG TIE OR APPROVED EQUAL. IF SUBSTITUTED PROVIDE COMPARISON CHART FOR APPROVAL.
2. USE THIS SCHEDULE FOR HANGERS UNLESS NOTED OTHERWISE IN SECTIONS.
3. REFER TO ROOF SECTIONS FOR HURRICANE TIES.
4. SIMPSON STRONG TIES REGULARLY REVISES/DELETE HANGER MODELS. USE SST RECOMMENDED REPLACEMENT WHEN THIS OCCURS.

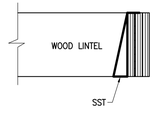
WOOD LINTEL HANGER SCHEDULE



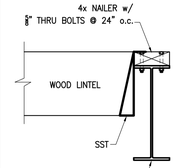
WOOD LINTEL TO ISOLATED WOOD POST



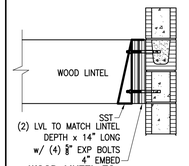
WOOD LINTEL TO WOOD POST OR STUD PACK IN WALL



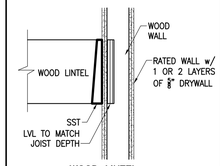
WOOD LINTEL TO WOOD BEAM



WOOD LINTEL TO STEEL BEAM



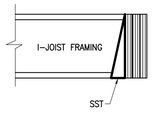
WOOD LINTEL TO MASONRY/CONCRETE WALL



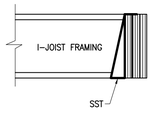
WOOD LINTEL TO RATED WALL

MARK	SIZE	CAP	HANGER	HANGER	HANGER	HANGER	HANGER
L28	(2) 2x8	BC		HU612TF w/ BEARING SHIM	HU612TF w/ BEARING SHIM	HU612TF w/ BEARING SHIM	HUCQ610-SDS
L38	(3) 2x8	BC		HU68TF	HU68TF	HU68TF	HUCQ610-SDS
L210	(2) 2x10	AC		HU614TF w/ BEARING SHIM	HU614TF w/ BEARING SHIM	HU614TF w/ BEARING SHIM	HUCQ610-SDS
L310	(3) 2x10	AC		HU610TF	HU610TF	HU610TF	HUCQ610-SDS
L212	(2) 2x12	AC		HU616TF w/ BEARING SHIM	HU616TF w/ BEARING SHIM	HU616TF w/ BEARING SHIM	HUCQ612-SDS
L312	(3) 2x12	AC		HU612TF	HU612TF	HU612TF	HUCQ612-SDS
L39	(3) 1¾"x9¼" LVL	EPCZ		HB5.50/9.25	HB5.50/9.25	HB5.50/9.25	HUCQ610-SDS
L311	(3) 1¾"x11⅞" LVL	EPCZ		HB5.50/11.88	HB5.50/11.88	HB5.50/11.88	HUCQ612-SDS
L314	(3) 1¾"x14" LVL	CCQ	A35	GLTV5.514	GLTV5.514	GLTV5.514	HUCQ612-SDS
L316	(3) 1¾"x16" LVL	CCQ	A35	GLTV5.516	GLTV5.516	GLTV5.516	HUCQ612-SDS
L318	(3) 1¾"x18" LVL	CCQ	A35	GLTV5.516	GLTV5.516	GLTV5.516	HUCQ612-SDS
L324	(3) 1¾"x24" LVL	CCQ	A35	1/4" SADDLE	1/4" SADDLE	1/4" SADDLE	HUCQ612-SDS

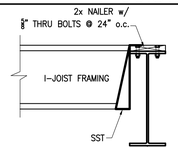
I–JOIST HANGER SCHEDULE



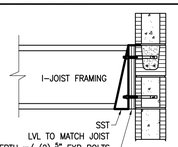
WOOD FRAMING TO WOOD BEAM FACE MOUNT



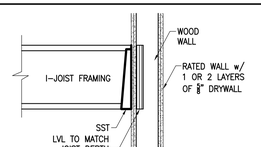
WOOD FRAMING TO WOOD BEAM



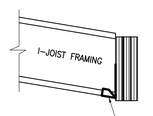
WOOD FRAMING TO STEEL BEAM



WOOD FRAMING TO MASONRY/CONCRETE WALL



WOOD FRAMING TO RATED WALL



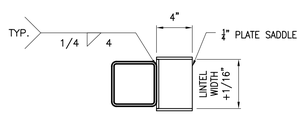
	HANGER	HANGER	HANGER	HANGER	HANGER	HANGER
DEPTH	TJI 110 JOIST	TJI 210 JOIST	TJI 230 JOIST	TJI 360 JOIST	TJI 560 JOIST	
9½"	IUS1.81/9.5	IUS2.06/9.5	IUS2.37/9.5	IUS2.37/9.5	IUS3.56/9.5	TJI 110 JOIST / TJI 210 JOIST / TJI 230 JOIST / TJI 360 JOIST / TJI 560 JOIST
11⅞"	IUS1.81/11.88	IUS2.06/11.88	IUS2.37/11.88	IUS2.37/11.88	IUS3.56/11.88	ITS1.81/9.5 / ITS2.06/9.5 / ITS2.37/9.5 / /
14"	IUS1.81/14	IUS2.06/14	IUS2.37/14	IUS2.37/14	IUS3.56/14	ITS1.81/11.88 / ITS2.06/11.88 / ITS2.37/11.88 / ITS2.37/11.88 / ITS3.56/11.88
16"		IUS2.06/16	IUS2.37/16	IUS2.37/16	IUS3.56/16	ITS1.81/14 / ITS2.06/14 / ITS2.37/14 / ITS2.37/14 / ITS3.56/14
						ITS1.81/14 / ITS2.06/16 / ITS2.37/16 / ITS2.37/16 / ITS3.56/16

	HANGER	HANGER	HANGER	HANGER	HANGER	HANGER
DEPTH	TJI 110 JOIST	TJI 210 JOIST	TJI 230 JOIST	TJI 360 JOIST	TJI 560 JOIST	
9½"	ITS1.81/9.5	ITS2.06/9.5	ITS2.37/9.5			TJI 110 JOIST / TJI 210 JOIST / TJI 230 JOIST / TJI 360 JOIST / TJI 560 JOIST
11⅞"	ITS1.81/11.88	ITS2.06/11.88	ITS2.37/11.88	ITS2.37/11.88	ITS3.56/11.88	ITS1.81/9.5 / ITS2.06/9.5 / ITS2.37/9.5 / /
14"	ITS1.81/14	ITS2.06/14	ITS2.37/14	ITS2.37/14	ITS3.56/14	ITS1.81/11.88 / ITS2.06/11.88 / ITS2.37/11.88 / ITS2.37/11.88 / ITS3.56/11.88
16"		ITS2.06/16	ITS2.37/16	ITS2.37/16	ITS3.56/16	ITS1.81/14 / ITS2.06/14 / ITS2.37/14 / ITS2.37/14 / ITS3.56/14
						ITS1.81/14 / ITS2.06/16 / ITS2.37/16 / ITS2.37/16 / ITS3.56/16

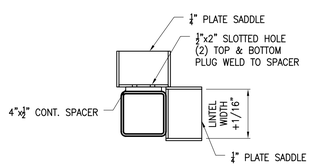
	HANGER	HANGER	HANGER	HANGER	HANGER	HANGER
DEPTH	TJI 110 JOIST	TJI 210 JOIST	TJI 230 JOIST	TJI 360 JOIST	TJI 560 JOIST	
9½"	ITS1.81/9.5	ITS2.06/9.5	ITS2.37/9.5			TJI 110 JOIST / TJI 210 JOIST / TJI 230 JOIST / TJI 360 JOIST / TJI 560 JOIST
11⅞"	ITS1.81/11.88	ITS2.06/11.88	ITS2.37/11.88	ITS2.37/11.88	ITS3.56/11.88	ITS1.81/9.5 / ITS2.06/9.5 / ITS2.37/9.5 / /
14"	ITS1.81/14	ITS2.06/14	ITS2.37/14	ITS2.37/14	ITS3.56/14	ITS1.81/11.88 / ITS2.06/11.88 / ITS2.37/11.88 / ITS2.37/11.88 / ITS3.56/11.88
16"		ITS2.06/16	ITS2.37/16	ITS2.37/16	ITS3.56/16	ITS1.81/14 / ITS2.06/14 / ITS2.37/14 / ITS2.37/14 / ITS3.56/14
						ITS1.81/14 / ITS2.06/16 / ITS2.37/16 / ITS2.37/16 / ITS3.56/16

	HANGER	HANGER	HANGER	HANGER	HANGER	HANGER
DEPTH	TJI 110 JOIST	TJI 210 JOIST	TJI 230 JOIST	TJI 360 JOIST	TJI 560 JOIST	
9½"	DHU1.81/9.5	DHU2.1/9.5	DHU2.37/9.5	DHU2.37/9.5	DHU3.56/9.5	TJI 110 JOIST / TJI 210 JOIST / TJI 230 JOIST / TJI 360 JOIST / TJI 560 JOIST
11⅞"	DHU1.81/11.88	DHU2.1/11.88	DHU2.37/11.88	DHU2.37/11.88	DHU3.56/11.88	DHU1.81/9.5 / DHU2.1/9.5 / DHU2.37/9.5 / DHU2.37/9.5 / DHU3.56/9.5
14"	DHU1.81/14	DHU2.1/14	DHU2.37/14	DHU2.37/14	DHU3.56/14	DHU1.81/11.88 / DHU2.1/11.88 / DHU2.37/11.88 / DHU2.37/11.88 / DHU3.56/11.88
16"		DHU2.1/16	DHU2.37/16	DHU2.37/16	DHU3.56/16	DHU1.81/14 / DHU2.1/14 / DHU2.37/14 / DHU2.37/14 / DHU3.56/14
						DHU1.81/14 / DHU2.1/16 / DHU2.37/16 / DHU2.37/16 / DHU3.56/16

	HANGER	HANGER	HANGER	HANGER	HANGER
DEPTH	TJI 110 JOIST	TJI 210 JOIST	TJI 230 JOIST	TJI 360 JOIST	TJI 560 JOIST
9½"	LSSUI25	LSSUI2.1	LSSUI35		
11⅞"	LSSUI25	LSSUI2.1	LSSUI35	LSSUI35	LSSU410
14"	LSSUI25	LSSUI2.1	LSSUI35	LSSUI35	LSSU410
16"		LSSUI2.1	LSSUI35	LSSUI35	LSSU410

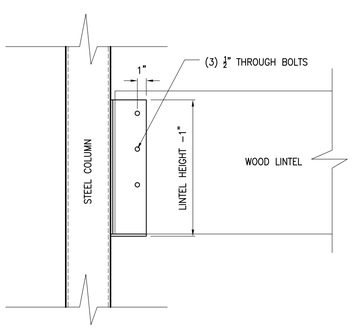


PLAN



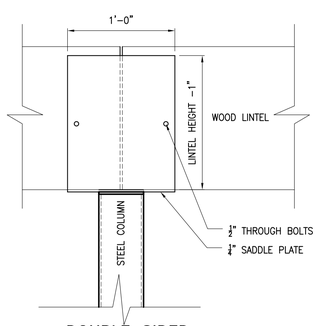
INTERSECTING LINTEL SADDLES DETAIL

1 1/2" = 1'–0"

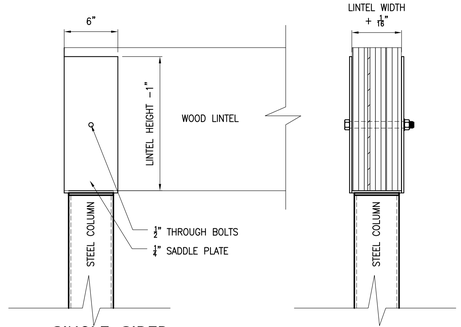


WOOD LINTEL TO COLUMN SADDLE DETAIL

1 1/2" = 1'–0"



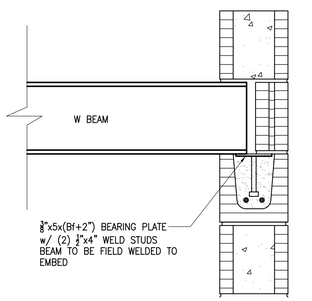
DOUBLE SIDED



SINGLE SIDED

WOOD LINTEL TO COLUMN SADDLE DETAIL – TOP BEARING

1 1/2" = 1'–0"



BEAM TO MASONRY WALL DETAIL

1 1/2" = 1'–0"

WHISONANT ENGINEERING SERVICES, LLC
22 Nut Tree Court
Lexington, South Carolina 29072
(803) 957–4008
Email: bill@wesllc.com

WILLIAM O. WHISONANT LICENSE NO. 74020 07/31/18 STATE OF FLORIDA PROFESSIONAL ENGINEER

NO.	DATE	REVISION

HOME 2 SUITES
BERRYMAN ROAD
VICKSBURG, MS 39180

RELEASED FOR:
- ☐ PRELIMINARY ONLY
- ☐ BIDDING/PRICING
- ■ PERMIT
- ■ CONSTRUCTION

DATE : 07–31–18

DRAWING TITLE:

HANGER SCHEDULE

SCALE: AS SHOWN
PROJECT NO: 037P02
DATE: 07-31-18
DRAWN BY: HVS
CHECKED BY: WOW

SHEET NO:

S603

8/14/2018 2:20:41 PM

INNOVATIVE • ENGINEERING SERVICES LLC
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Suite 101
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662-890-4220
www.innovativees-llc.com

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WEB: www.mishraarch.com

CIVIL:
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Brandon, MS 39042
Phone: (601) 591-1077
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MEP:
INNOVATIVE ENGINEERING SERVICES
2787 Stage Center Dr.
Suite 101
Bartlett, Tennessee 38134
Phone: (662) 890-4220
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REVISIONS		
No.	Date	Description
4	7/01/19	CITY PLAN REVIEW

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
First Floor Plan

Phase
Construction Documentss

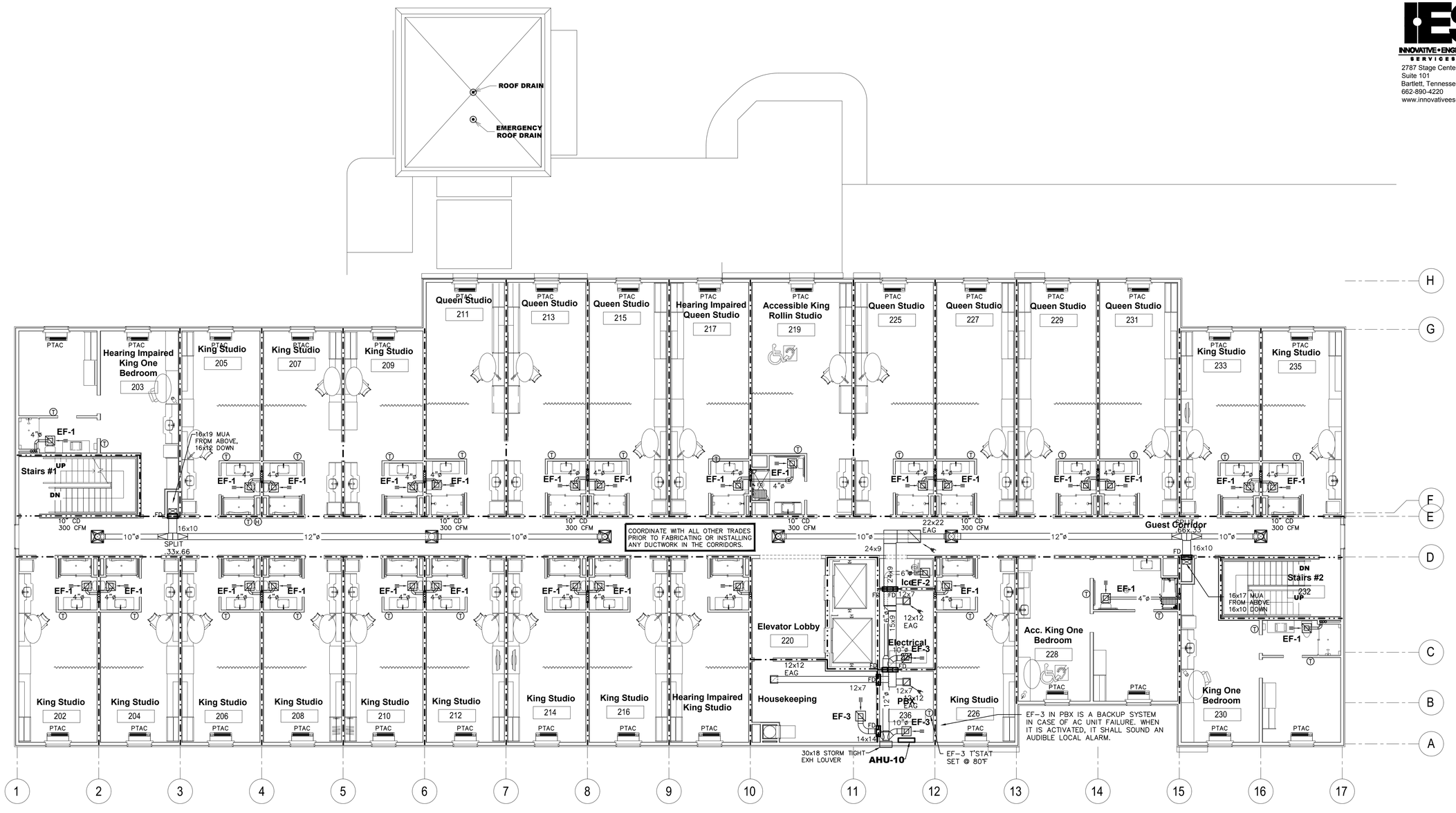
Project No.	17-051
Prepared by	RHP
Checked by	RJH
Date	MAR. 28, 2019

Sheet No. M101

Released for

14/2019 7:45:21 AM

GROUND FLOOR PLAN
1/8"=1'–0"



SECOND FLOOR PLAN

1/8"=1'-0"

INNOVATIVE ENGINEERING SERVICES LLC
2787 Stage Center Dr.
Suite 101
Bartlett, Tennessee 38134
662-890-4220
www.innovativees-llc.com

MISHRA ARCHITECTURE PLLC
6800 S Creek Rd, Charlotte, NC 28277
Ph:(704) 625-6554 Fax:(704) 919-5822
EMAIL:ashish@mishraarch.com
WEB: www.mishraarch.com

CIVIL:
Benchmark Engineering and Surveying
101 Highpointe Court, Suite B
Brandon, MS 39042
Phone: (601) 591-1077
Fax: (601) 591-0177
Email:mikebes@bellsouth.net

STRUCTURAL:
Whisonant Engineering Services, LLC
122 Nut Tree Court
Lexington, SC 29074
Phone: (803) 957-4008
Email: bill@weslex.com

MEP:
INNOVATIVE ENGINEERING SERVICES
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Suite 101
Bartlett, Tennessee 38134
Phone: (662) 890-4220
Email: www.innovativees-llc.com

REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

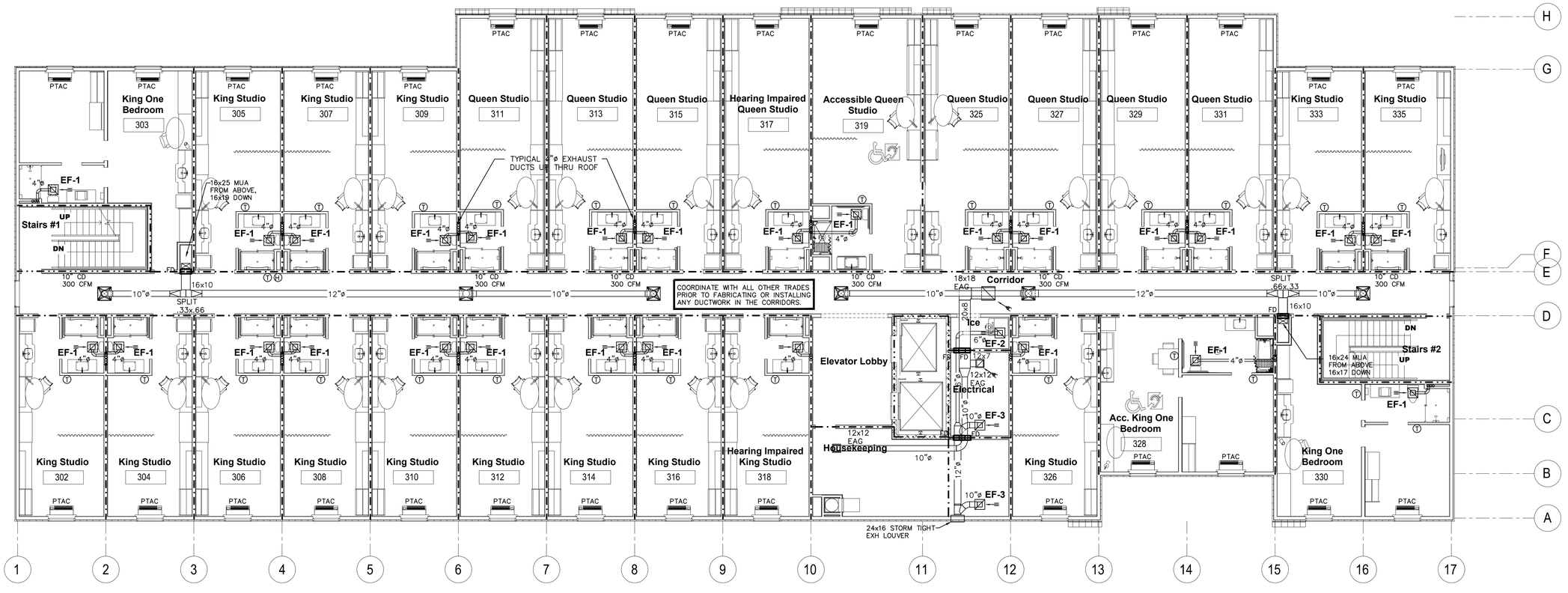
Drawing Title
Second Floor Plan

Phase
Construction Documentss

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

Sheet No.
M102

Released for



THIRD FLOOR PLAN

1/8"=1'-0"

INNOVATIVE ENGINEERING SERVICES LLC
2787 Stage Center Dr.
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Bartlett, Tennessee 38134
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Fax: (601) 591-0177
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STRUCTURAL:
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MEP:
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Suite 101
Bartlett, Tennessee 38134
Phone: (662) 890-4220
Email: www.innovativees-llc.com

REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

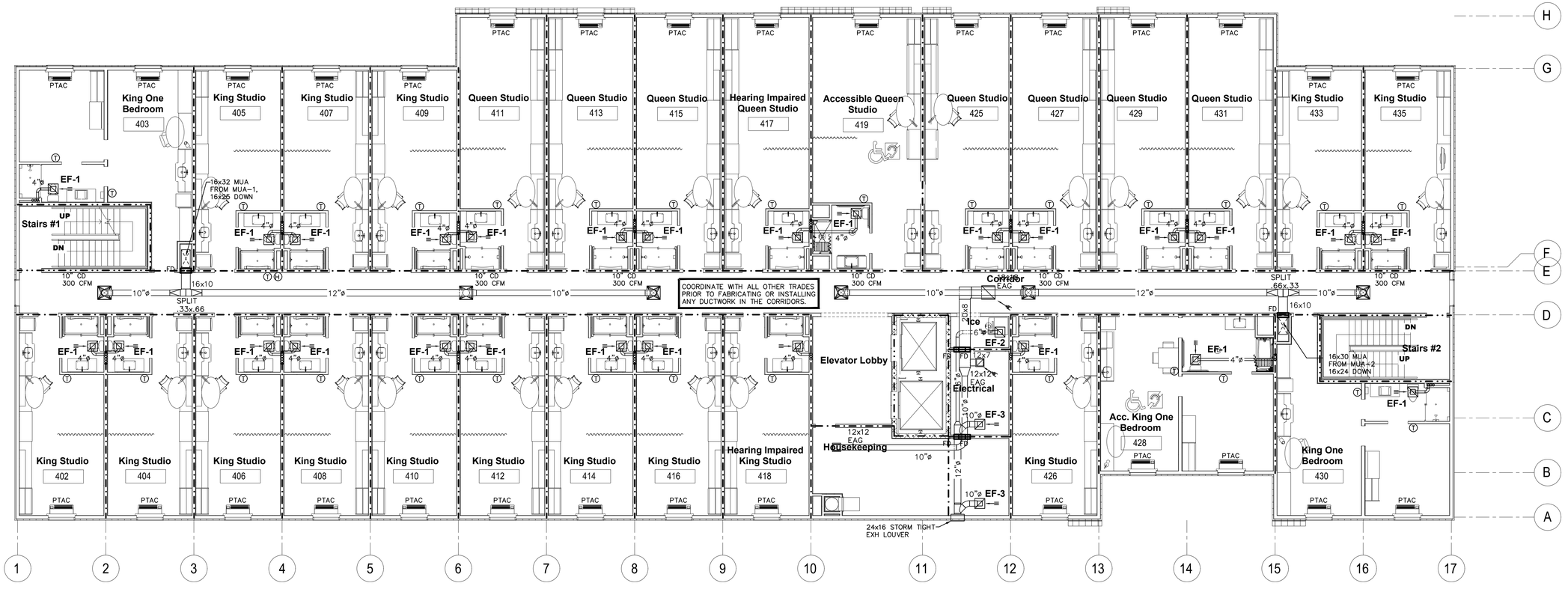
Drawing Title
Third Floor Plan

Phase
Construction Documentss

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

Sheet No.
M103

Released for



FOURTH FLOOR PLAN

1/8"=1'-0"

INNOVATIVE • ENGINEERING SERVICES LLC
2787 Stage Center Dr.
Suite 101
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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

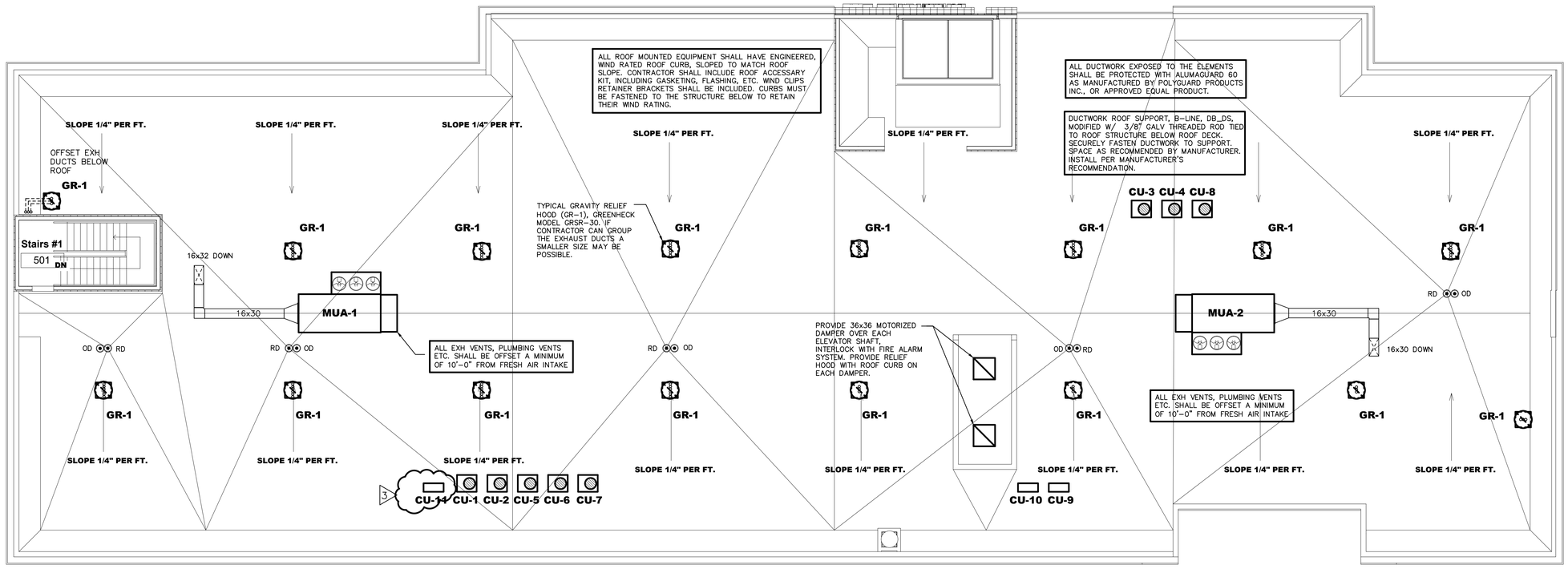
Drawing Title
Fourth Floor Plan

Phase
Construction Documentss

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

Sheet No.
M104

Released for



ROOF PLAN

1/8"=1'-0"

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.	.	.
3	5/21/19	Added PB

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Roof Plan

Phase
Construction Documentss

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

Sheet No.
M105

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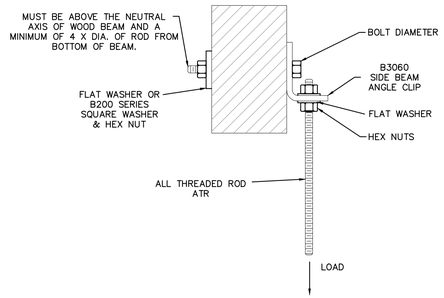
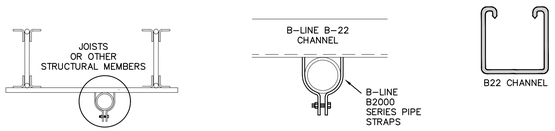
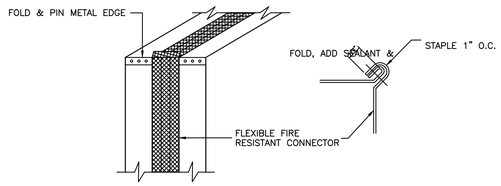


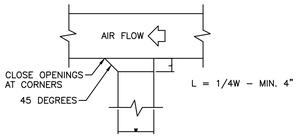
WOOD ATTACHMENTS
NO SCALE



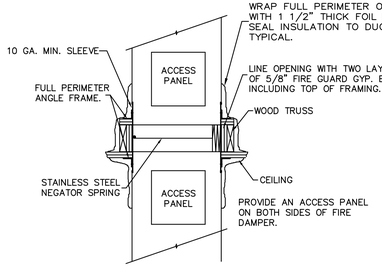
SEISMIC GAS PIPE SUPPORT DETAILS
NO SCALE



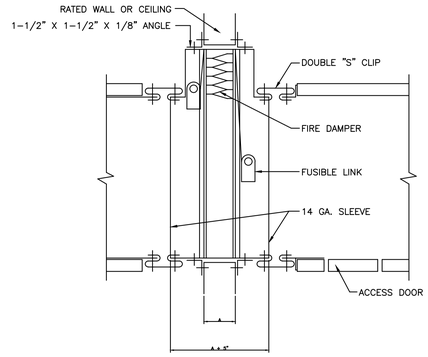
FLEXIBLE CONNECTION DETAIL
NO SCALE



RETURN OR EXHAUST DUCT TAP DETAILS
NO SCALE



HORIZONTAL FIRE DAMPER DETAIL



FIRE DAMPER DETAIL
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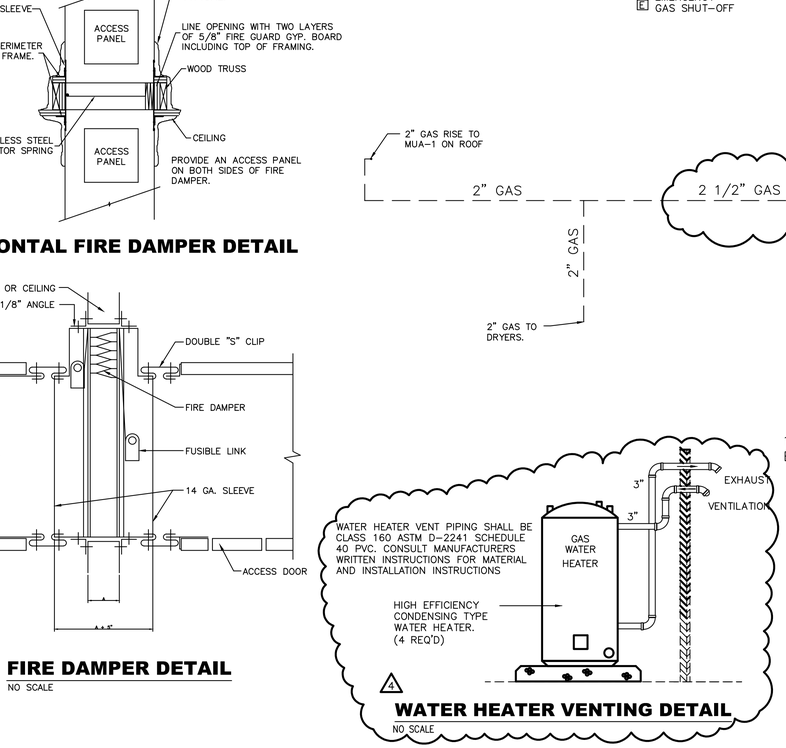
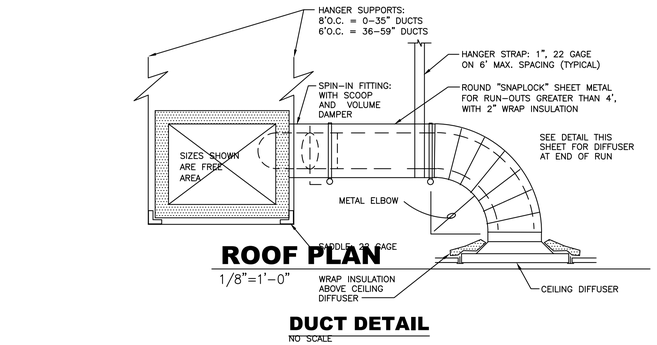


WATER HEATER VENTING DETAIL
NO SCALE

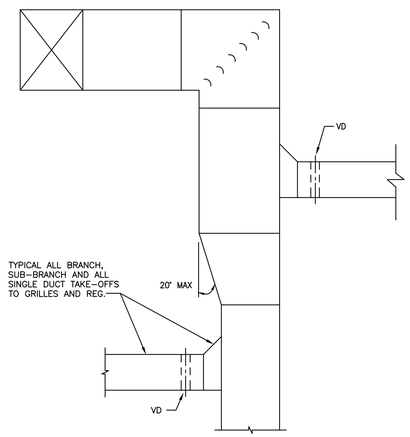
GAS PIPING SCHEMATIC
1/16" = 1'-0"



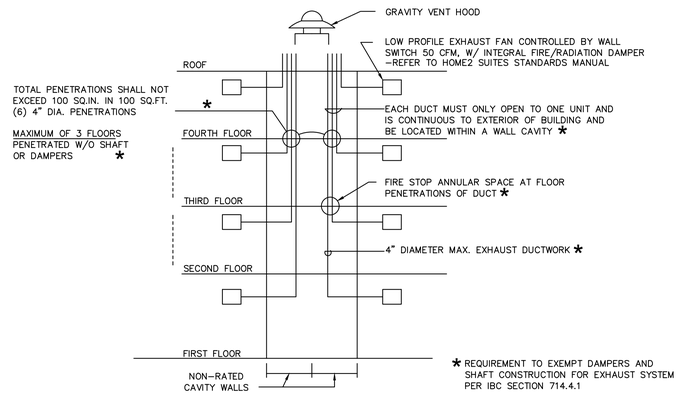
ROOF PLAN
1/8"=1'-0"

DUCT DETAIL
NO SCALE

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



TYPICAL DUCT
NO SCALE



TYPICAL ROOM EXHAUST DUCT RISER DETAIL
NO SCALE

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

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Roof Plan

Phase
Construction Documentss

Project No.	17-051
Prepared by	RHP
Checked by	RJH
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Sheet No. M200

Released for

MECHANICAL NOTES

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

PTAC AIR CONDITIONER SCHEDULE

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

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

MAKE-UP AIR UNIT SCHEDULE

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

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

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

FAN SCHEDULE

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

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

HEATING AND AIR CONDITIONING SCHEDULE

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

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

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

GRILLES, REGISTERS AND DIFFUSERS

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

CONTRACTOR SHALL VERIFY CEILING TYPES AND FURNISH FRAME STYLES ACCORDINGLY.

AIR BALANCE SCHEDULE

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

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

1 ST FLR. AIR BALANCE SCHEDULE

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

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

2ND FLR. AIR BALANCE SCHEDULE

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

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

3RD FLR. AIR BALANCE SCHEDULE

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

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

4TH FLR. AIR BALANCE SCHEDULE

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

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

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

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Roof Plan

Phase
Construction Documentss

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

Sheet No.
M300

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

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
First Floor Plan

Phase
Construction Documentss

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

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No.	Date	Description
1	4:22:19	Owner Re: uest

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
First Floor Plan

Phase
Construction Documentss

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

Sheet No. P101A

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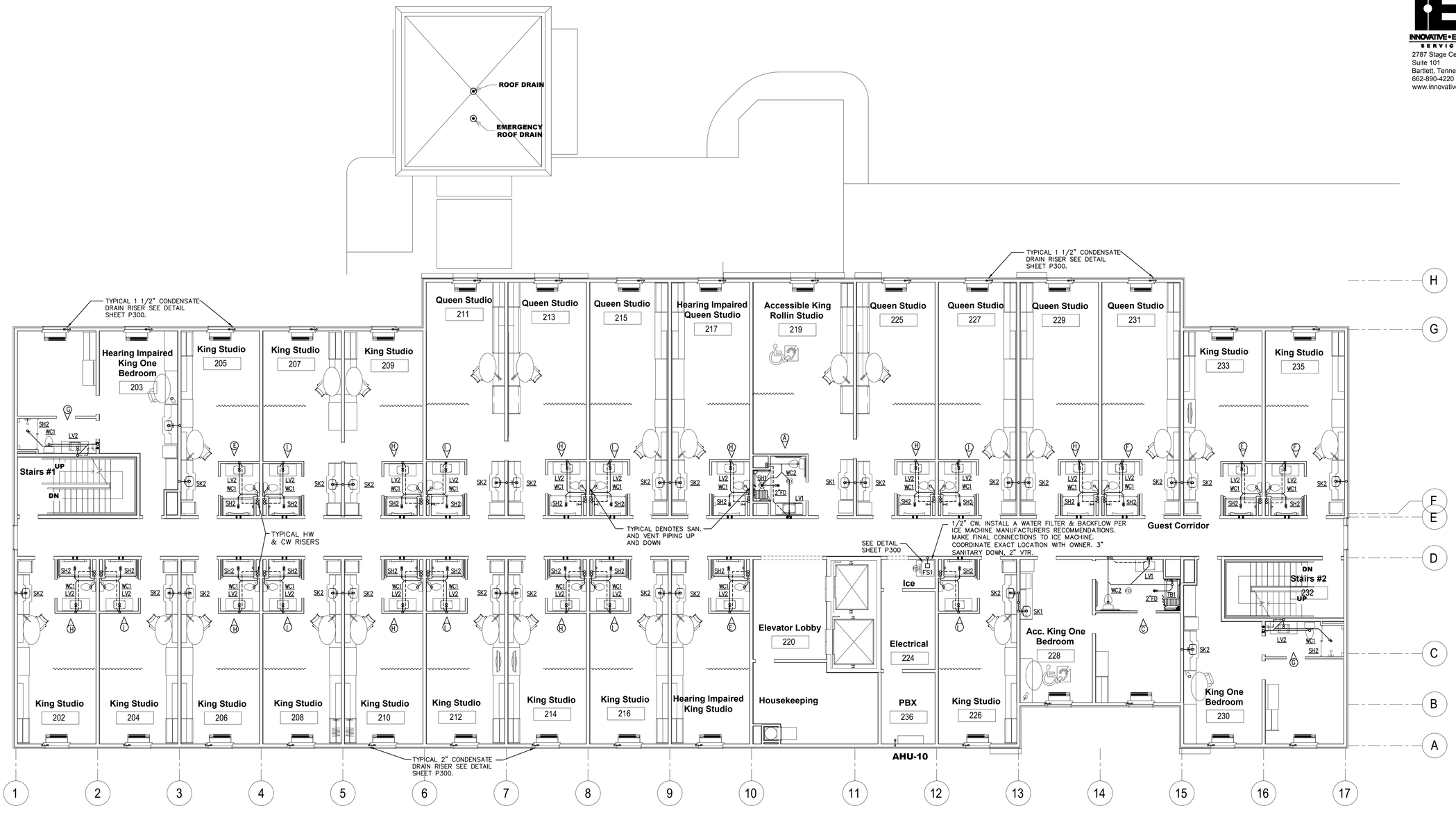

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Second Floor Plan

Phase
Construction Documentss

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

Sheet No.
P102

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Third Floor Plan

Phase
Construction Documentss

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

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No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Fourth Floor Plan

Phase
Construction Documentss

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

Sheet No.
P104

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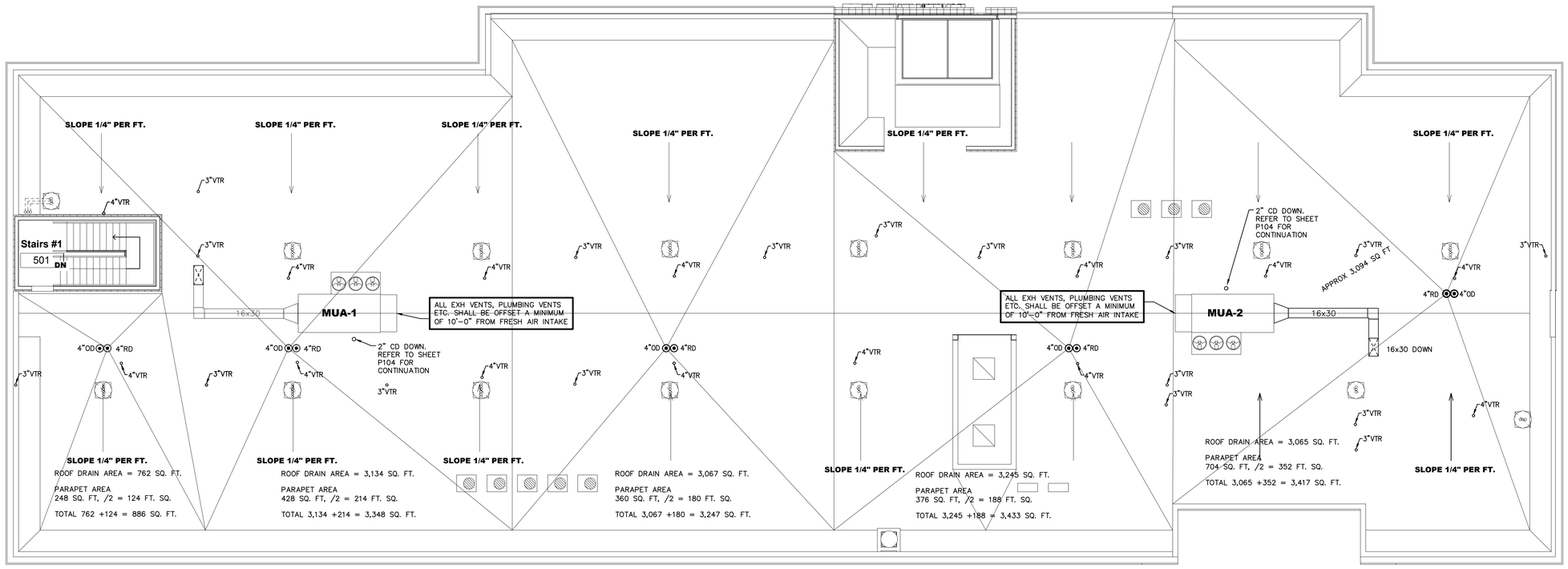

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No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Roof Plan

Phase
Construction Documentss

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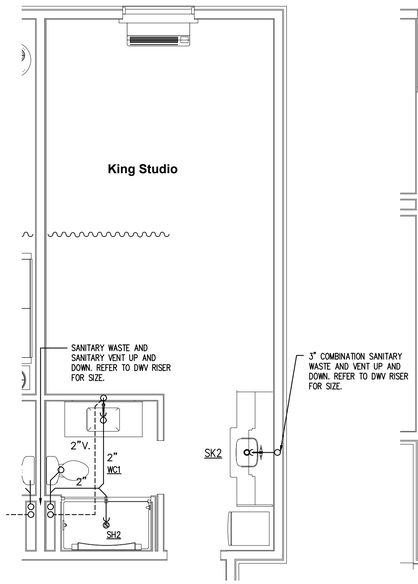
P105



King Studio
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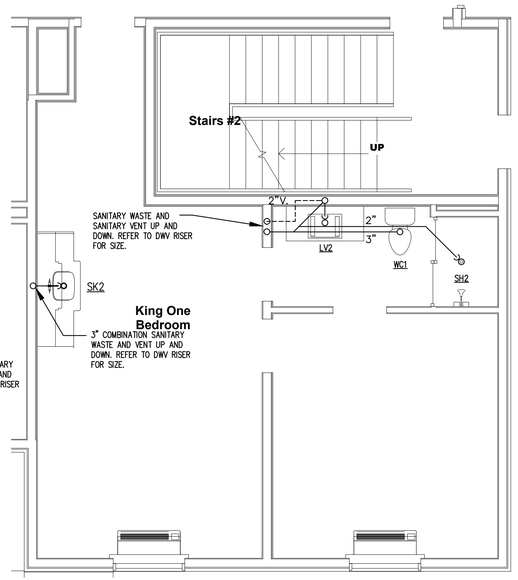

King One Bedroom
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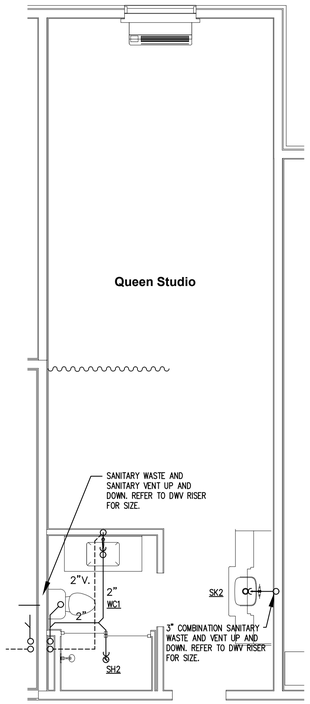

Double Queen Studio
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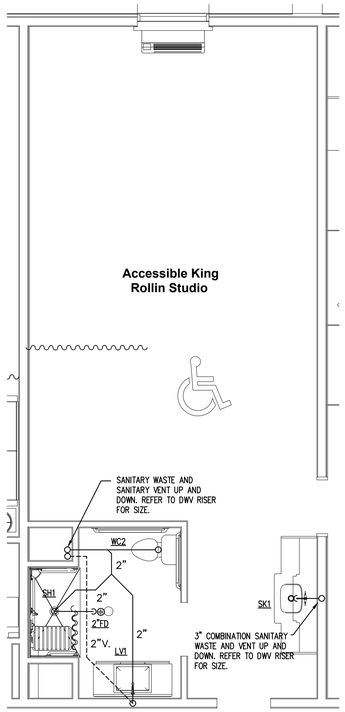

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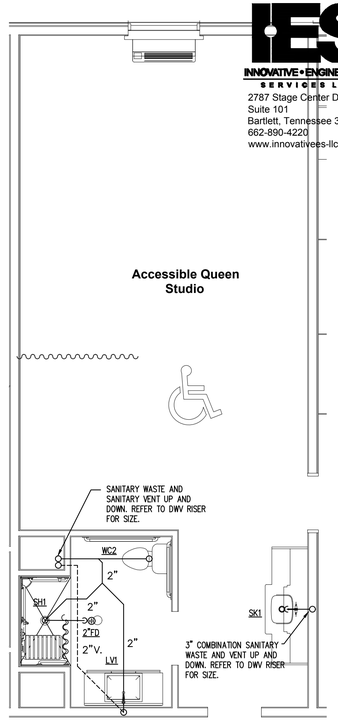

Accessible Queen Studio
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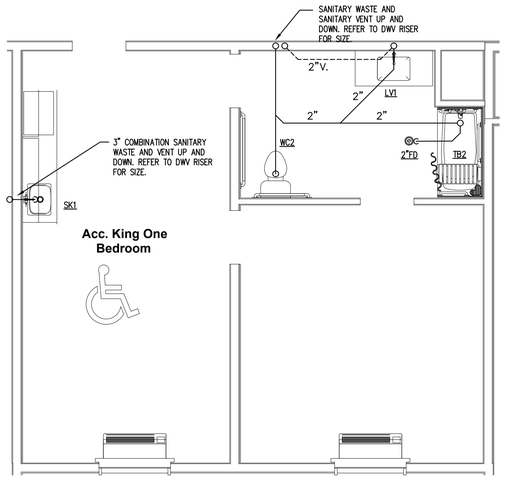

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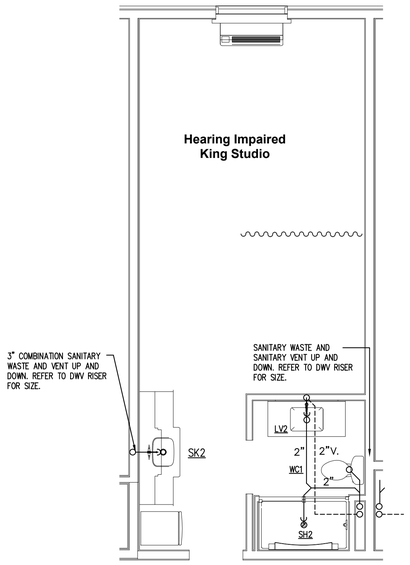

Hearing Impaired King Studio
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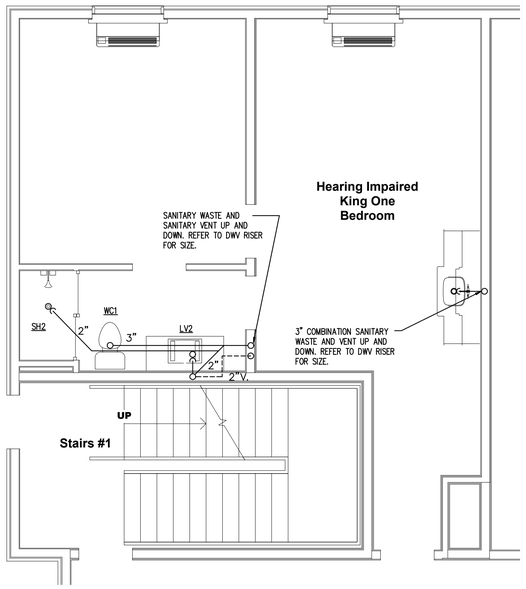

Hearing Impaired King One Bedroom
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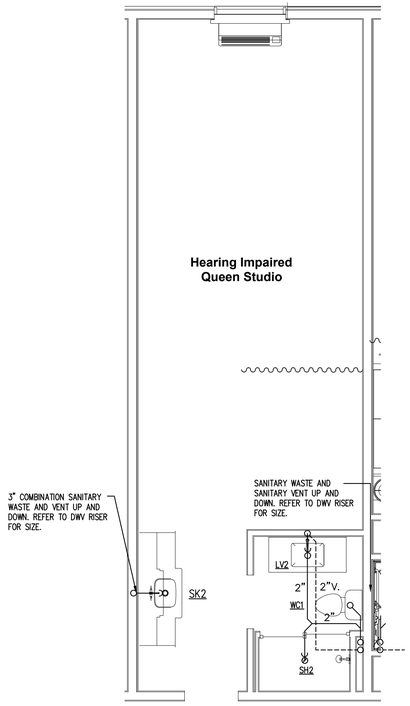

Hearing Impaired Queen Studio
SCALE 1/4" = 1'-0"

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Unit Plans - DWV

Phase
Construction Documentss

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

Sheet No.
P200

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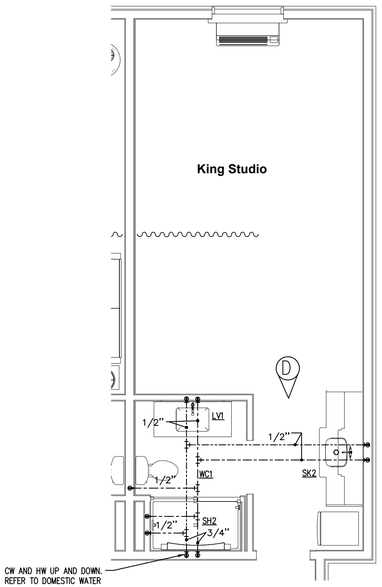
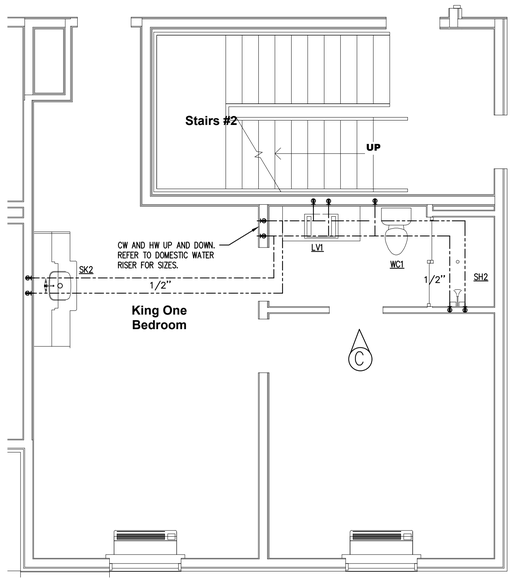
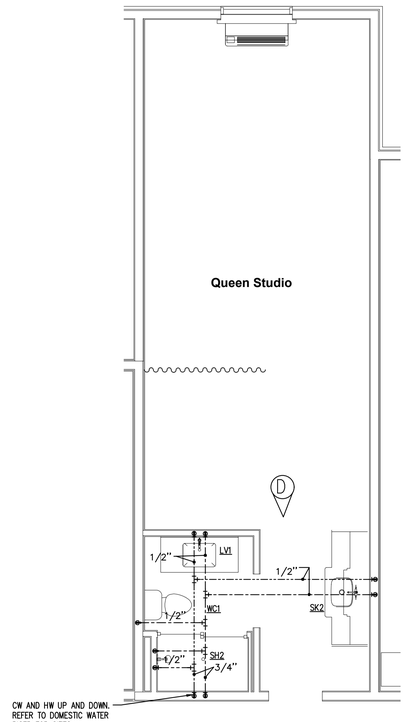


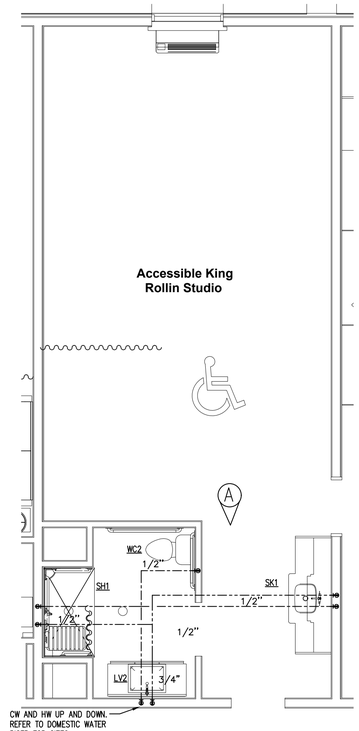
King Studio
SCALE 1/4" = 1'-0"



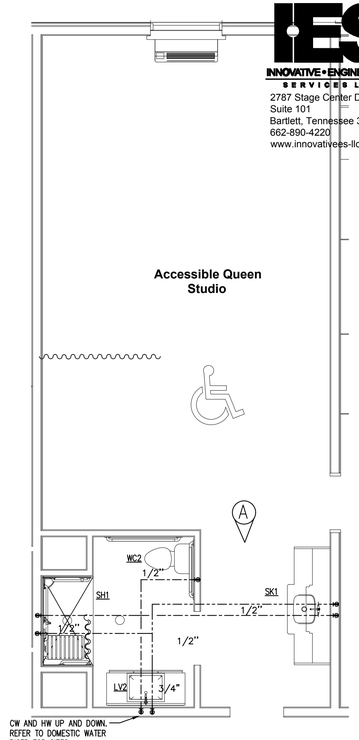
King One Bedroom
SCALE 1/4" = 1'-0"



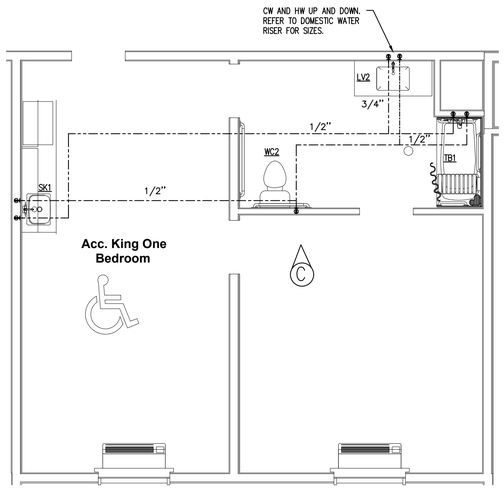
Double Queen Studio
SCALE 1/4" = 1'-0"



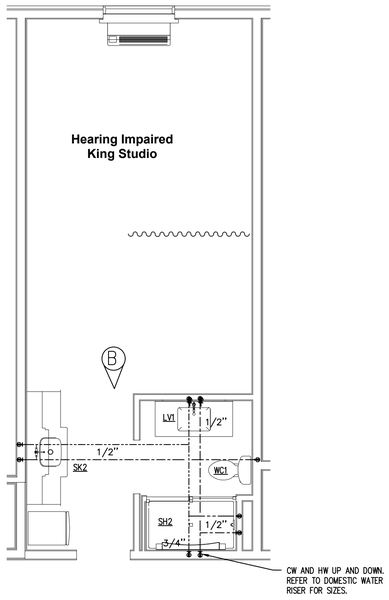
Accessible King Roll-in Studio
SCALE 1/4" = 1'-0"



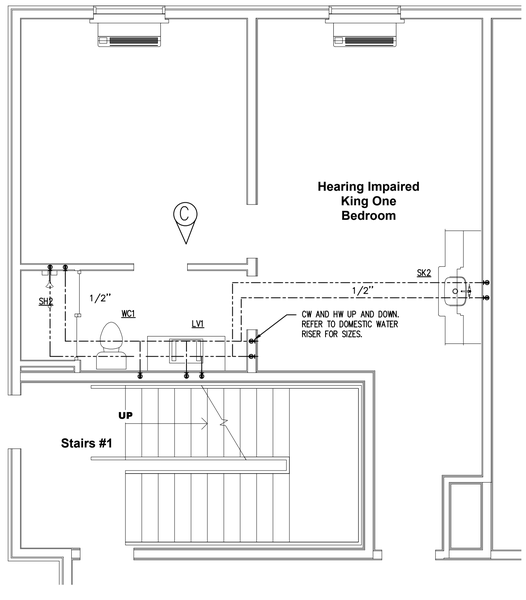
Accessible Queen Studio
SCALE 1/4" = 1'-0"



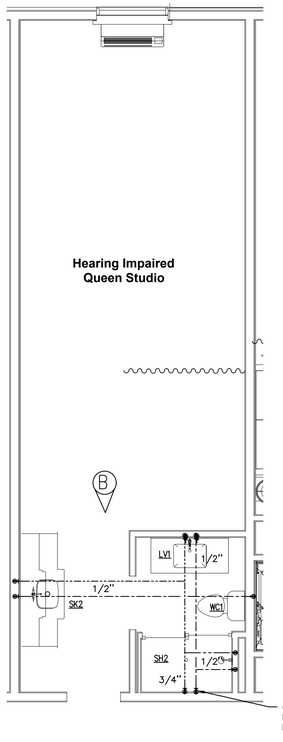
Accessible King One Bedroom
SCALE 1/4" = 1'-0"



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



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



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

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Unit Plans - Water

Phase
Construction Documentss

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

Sheet No.
P201

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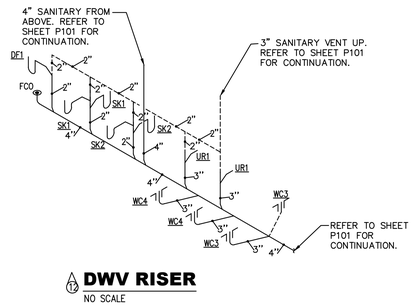

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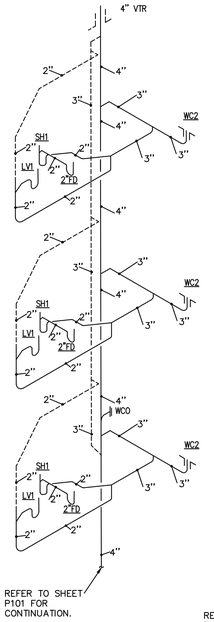
NO SCALE



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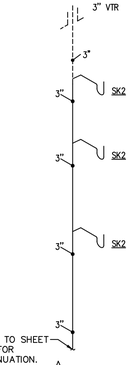

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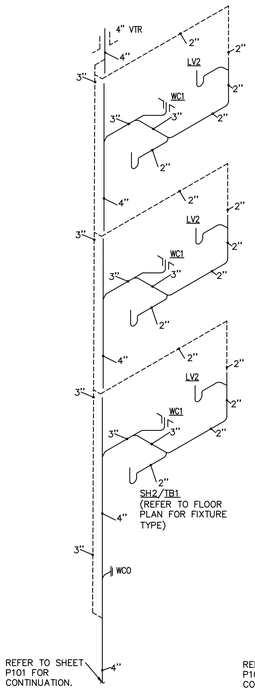

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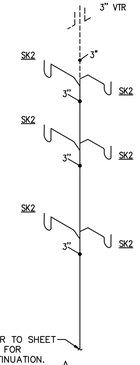
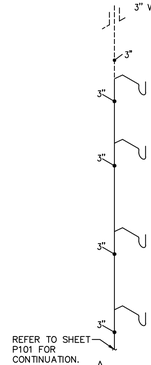
NO SCALE
RISER NO. 9 IS A MIRROR IMAGE.



7 **DWV RISER**
NO SCALE

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



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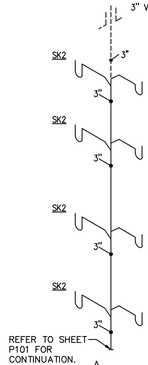

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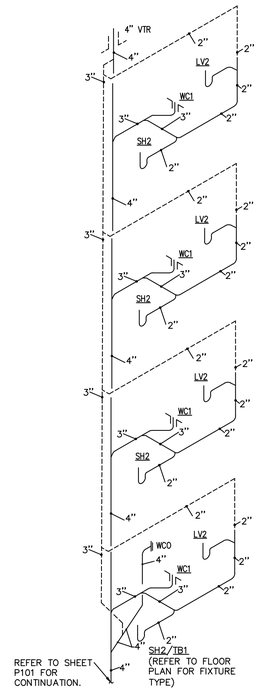

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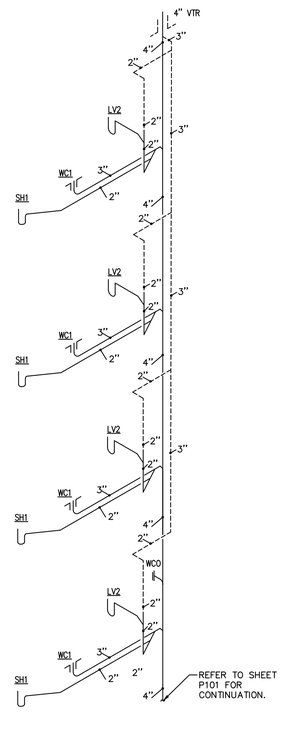


1 **DWV RISER**
NO SCALE
RISER NO. 2 IS A MIRROR IMAGE.

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

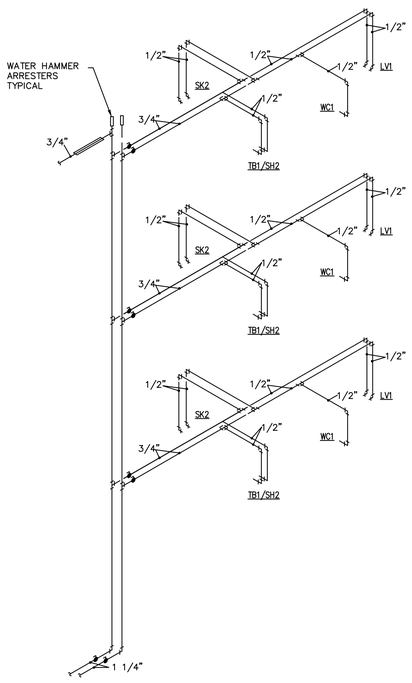
Drawing Title
Sanitary Risers

Phase
Construction Documentss

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

Sheet No.
P202

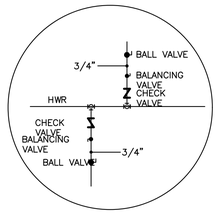
Released for



WATER RISER

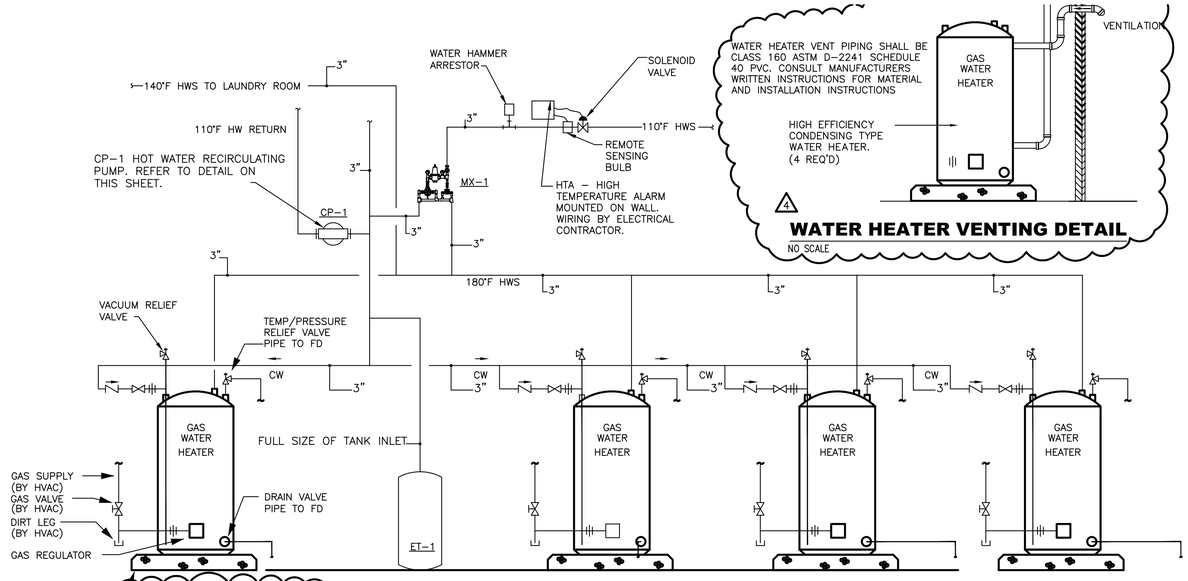
NO SCALE
"I" IS A MIRROR IMAGE

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



HOT WATER RETURN PIPNG DETAIL

NO SCALE



WATER HEATER VENT PIPING SHALL BE CLASS 160 ASTM D-2241 SCHEDULE 40 PVC. CONSULT MANUFACTURERS WRITTEN INSTRUCTIONS FOR MATERIAL AND INSTALLATION INSTRUCTIONS

HIGH EFFICIENCY CONDENSING TYPE WATER HEATER. (4 REQ'D)

VENTILATION

GAS WATER HEATER

WATER HEATER VENTING DETAIL

NO SCALE

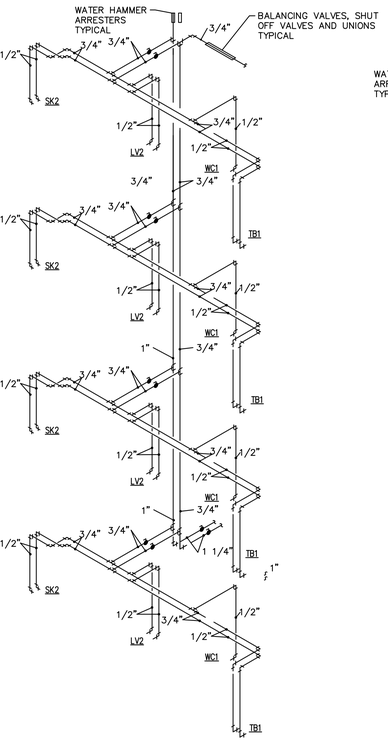
STATE SUF100-199NE(A) GAS FIRED HEATER WITH 100 GALLON STORAGE, 199,000 BTU INPUT, 3" PVC AIR INTAKE, 3" EXHAUST THROUGH EXTERIOR WALL. THIS PIPING DIAGRAM IS A SCHEMATIC ONLY. INSTALL A TRU-FLO MANIFOLD KIT PER MANUFACTURERS WRITTEN INSTRUCTIONS. (GAS PIPING BY HVAC AND ELECTRICAL CONNECTIONS BY ELECTRICAL).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

NOTES:

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

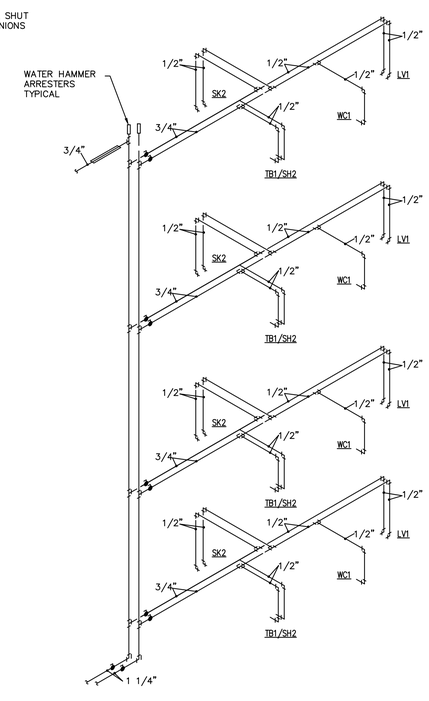
WATER HEATER CONNECTION DETAIL

NO SCALE



WATER RISER

NO SCALE



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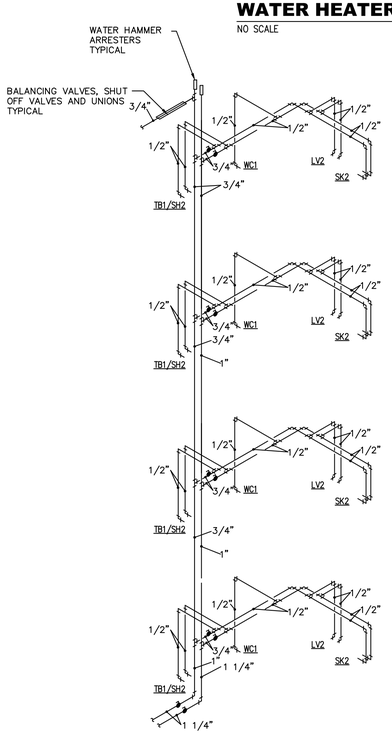

WATER RISER

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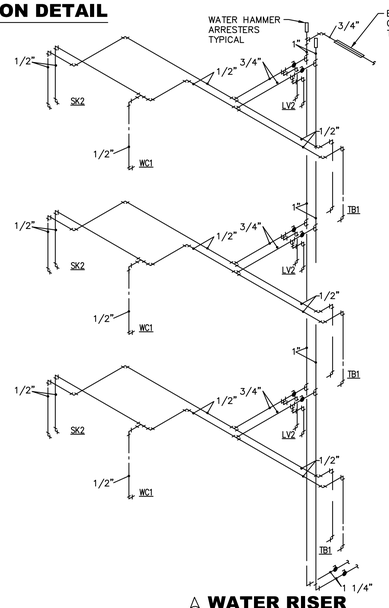
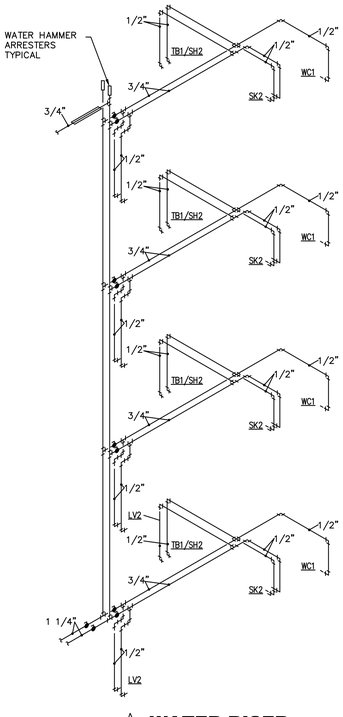


WATER RISER

NO SCALE
"B" IS A MIRROR IMAGE



WATER RISER

NO SCALE
"B" IS A MIRROR IMAGE

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

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Water Risers

Phase
Construction Documentss

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

Sheet No.
P203

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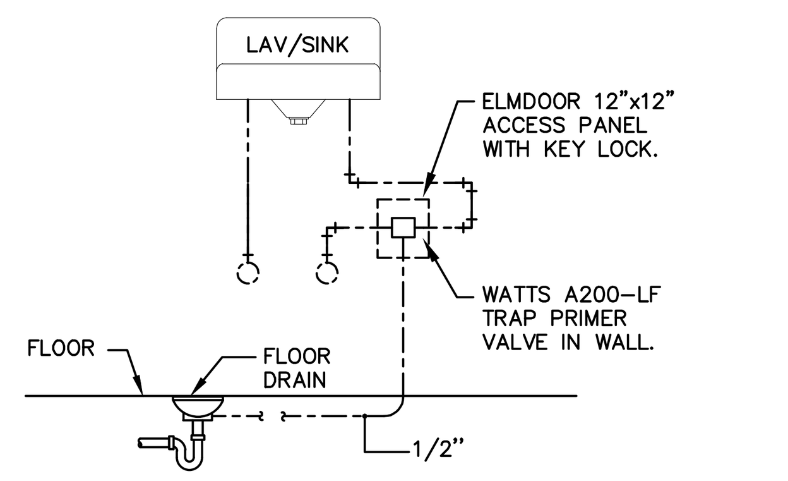
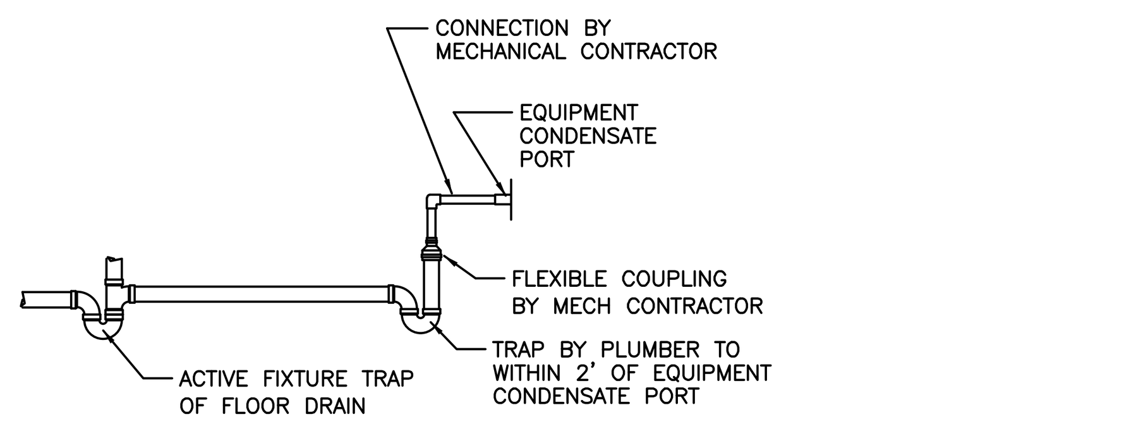


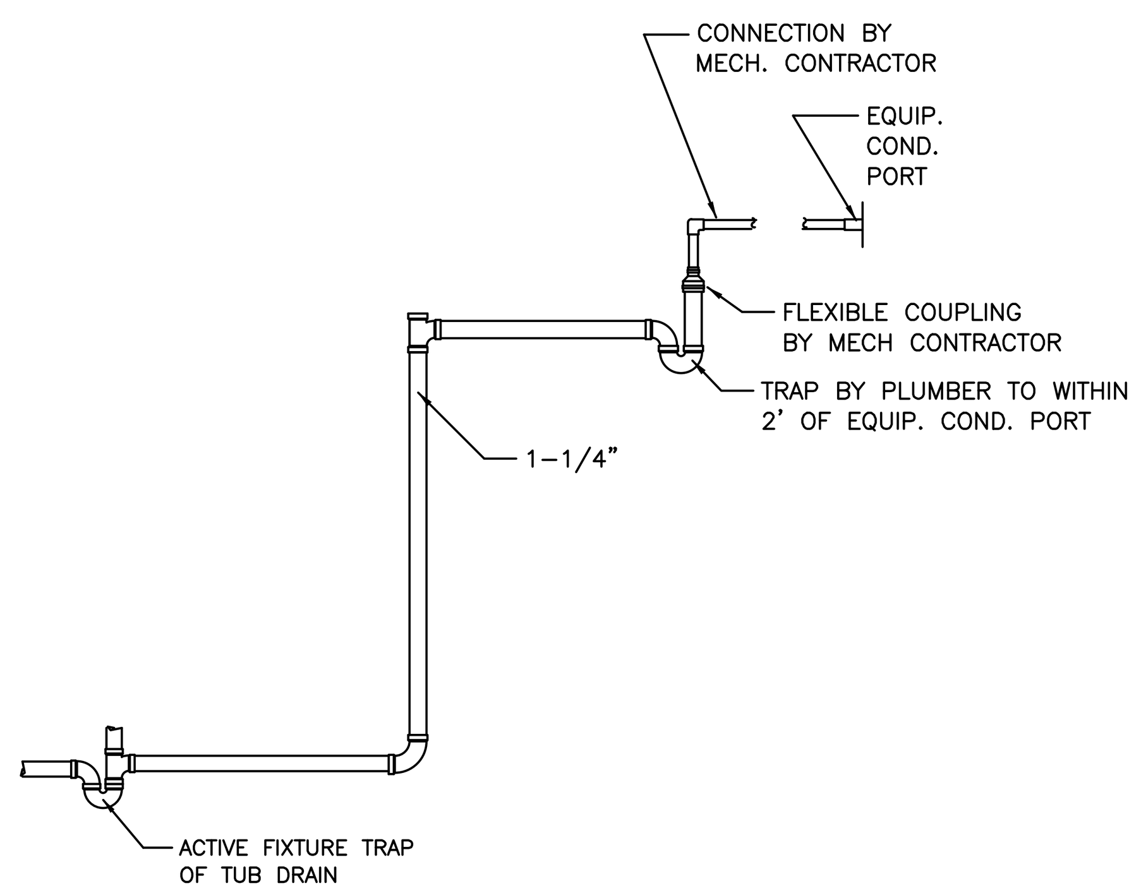
TRAP PRIMER AT LAVATORY OR SINK

SCALE: NONE



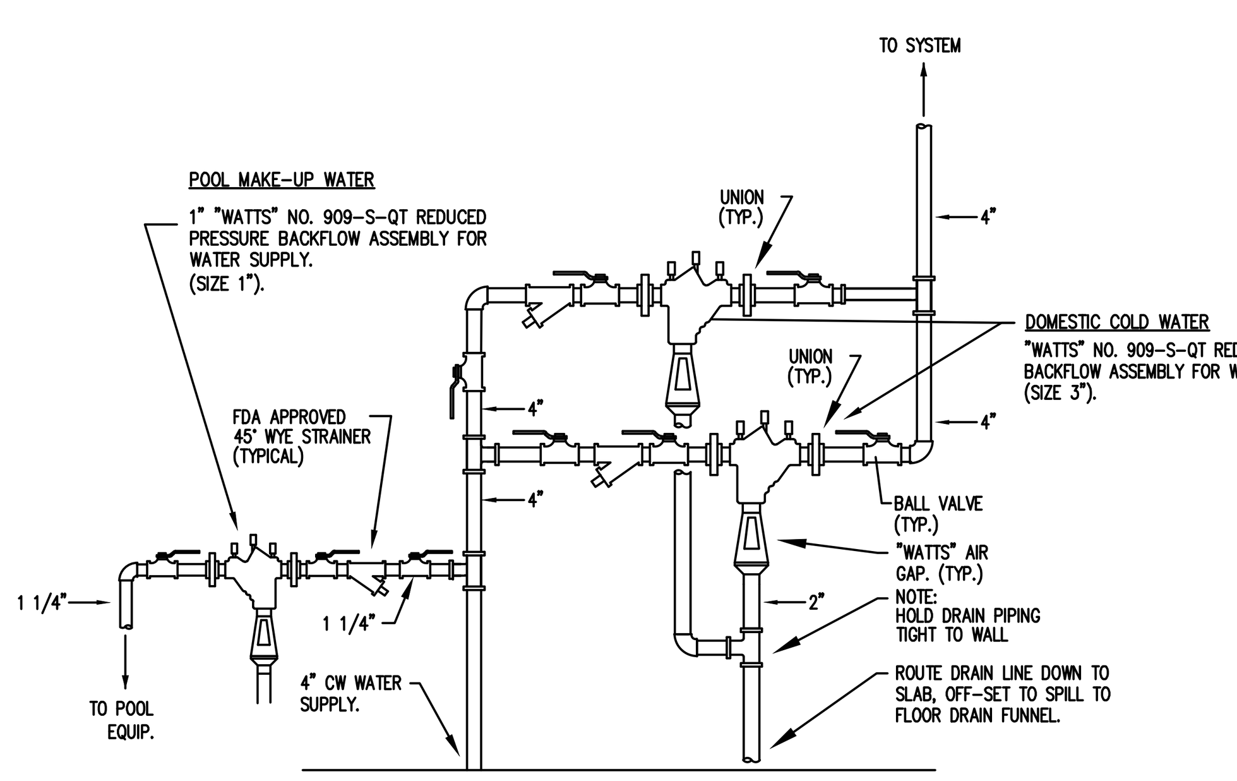
CONDENSATE HUB DRAIN AT FLOOR DRAIN

SCALE: NONE



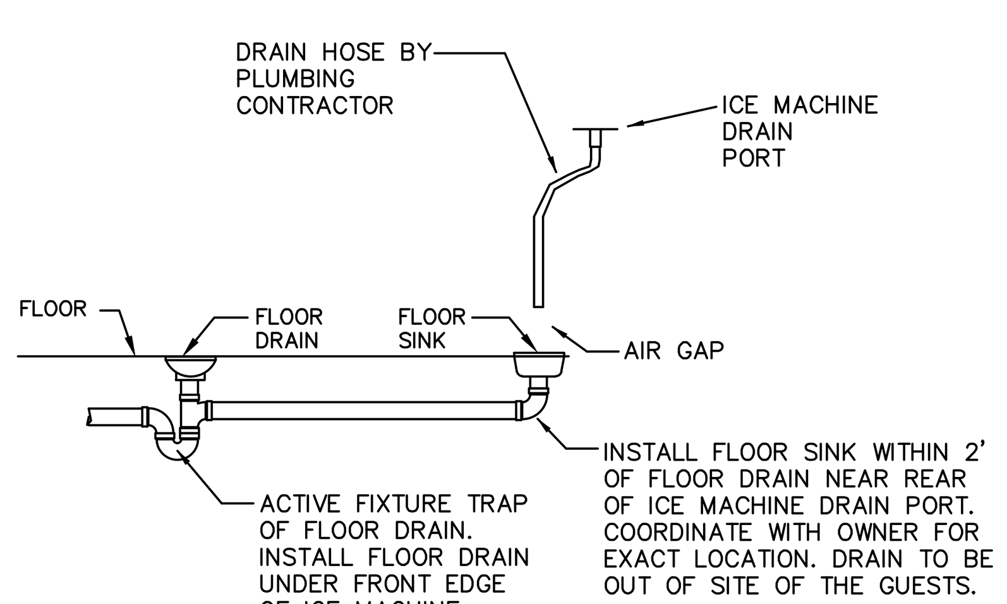
CONDENSATE HUB DRAIN AT WALL UNIT

SCALE: NONE



RP BACKFLOW ASSEMBLIES - DETAIL

SCALE: NONE

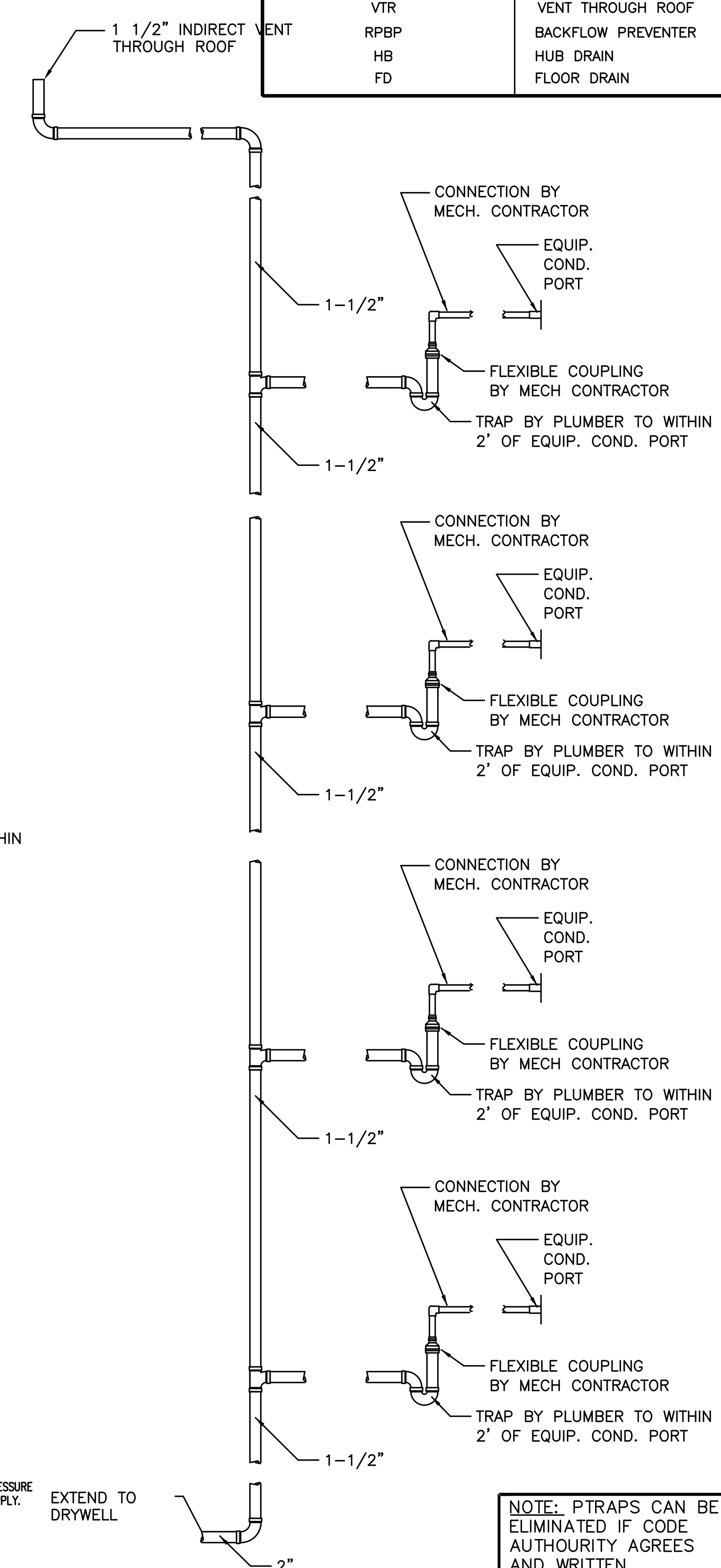


ICE MACHINE HUB DRAIN AT FLOOR DRAIN

SCALE: NONE

PLUMBING LEGEND

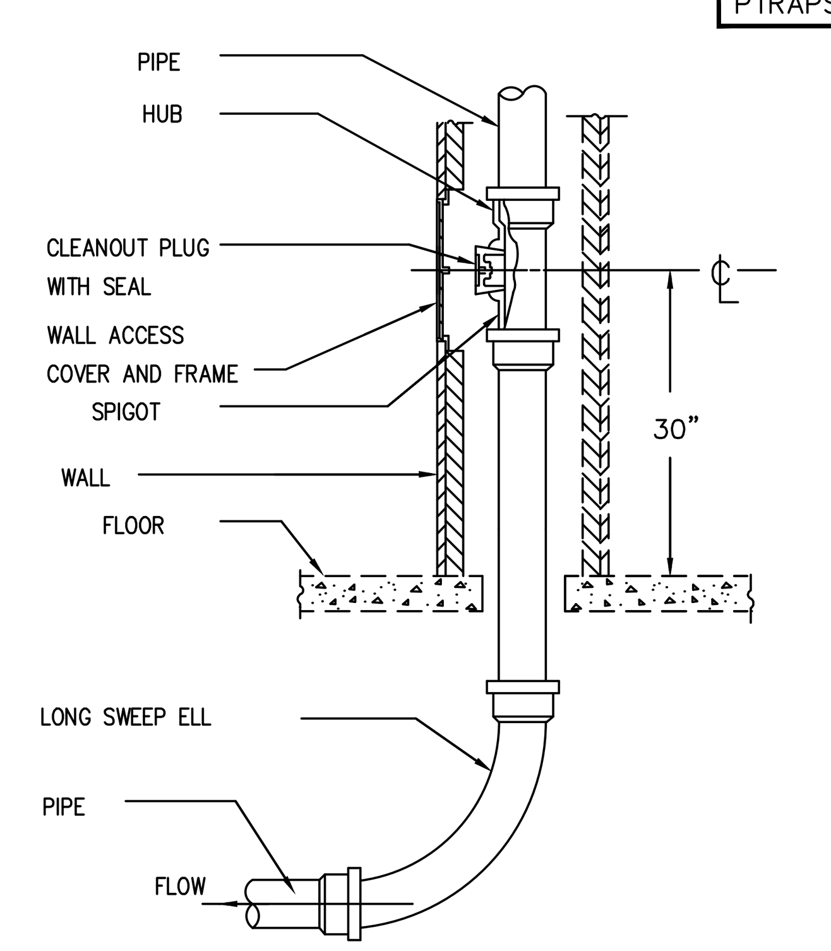
Symbol	Description
——————— (solid line)	SANITARY DRAIN, WASTE,
— — — — (dashed line)	VENT
——IW——	INDIRECT WASTE (IW)
– – – – – –	COLD WATER (CW)
——CD——	CONDENSATE WASTE (CD)
—— – – – –	HOT WATER (HW)
—— – – – –	HOT WATER RETURN (HWR)
——▷◁——	BACKFLOW PREVENTER
COTG	CLEANOUT TO GRADE
FCO	FLOOR CLEANOUT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



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

CONDENSATE DRAIN

SCALE: NONE



WALL CLEANOUT

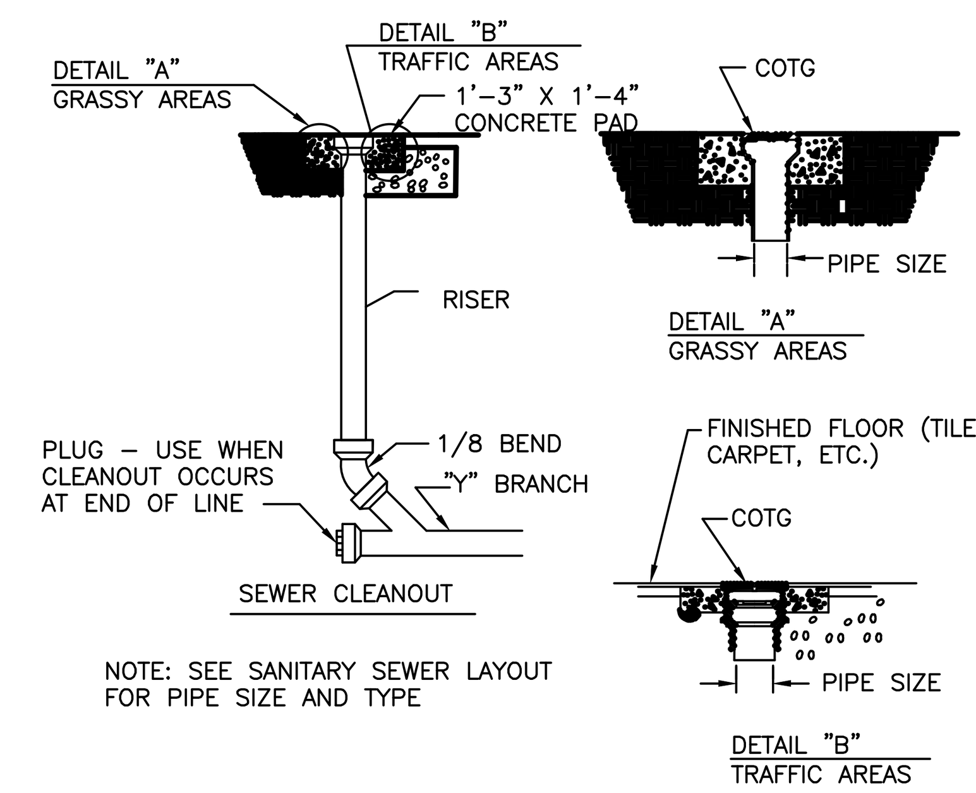
SCALE: NONE

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

DRAIN, CLEANOUT AND HOSE BIBB SCHEDULE

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

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



NOTE: SEE SANITARY SEWER LAYOUT FOR PIPE SIZE AND TYPE

CLEANOUT TO FLOOR OR GRADE

SCALE: NONE

PLUMBING FIXTURE SCHEDULE

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

* SHOWER HEADS IN ALL TUBS AND SHOWERS SHALL BE LOCATED 6'-6" ABOVE FLOOR OF TUBS AND SHOWERS. THIS DISTANCE IS FROM FLOOR OF TUB OR SHOWER TO THE LOWEST PART OF THE SHOWER HEAD.
NOTE: ALL EXPOSED WATER AND DRAIN PIPNG AT FIXTURES SHALL HAVE CHROME FINISH.

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

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REVISIONS		
No.	Date	Description
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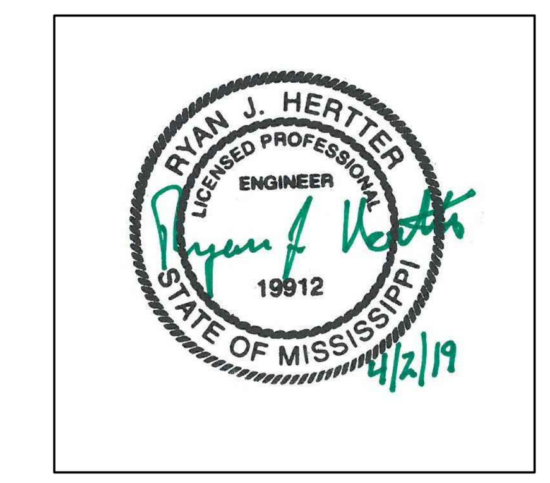


Pramukh Vicksburg, LLC

Home2Suites Vicksburg

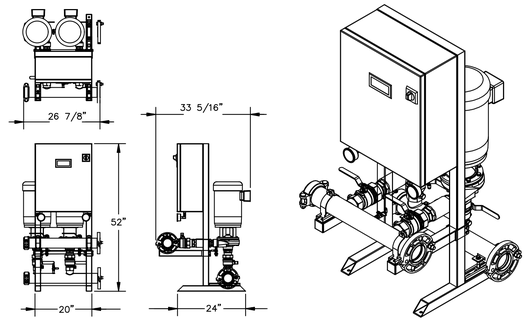
Berryman Road
Vicksburg, MS 39180

Drawing Title
Schedules and Details

Phase
Construction Documentss

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

Released for



DOMESTIC WATER BOOSTER PUMP SCHEDULE

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

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

DESIGN ENVELOPE DOMESTIC WATER BOOSTER SYSTEM

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

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

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

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

PUMP SEAQUENCING SHALL BE PER THE MANUFACTURERS RECOMENDATIONS

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

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

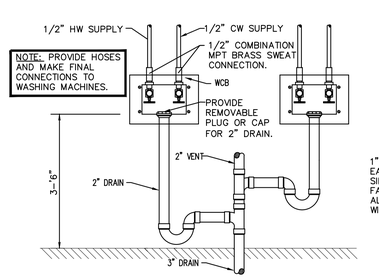
DRIVE
AND MOTOR PROTECTION SHALL INCLUDE: MOTOR PHASE TO PHASE FAULT, MOTOR PHASE TO EARTH FAULT, LOSS OF SUPPLY PHASE, OVER VOLTAGE, UNDER VOLTAGE, MOTOR OVER TEMPERATURE, INVERTER OVERLOAD, OVER CURRENT.

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

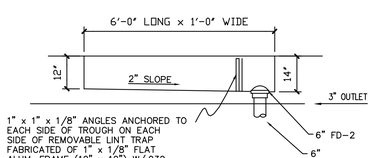
THE PUMP CONTROLLER, AND ALL ITS COMPONENTS SHALL BE HOUSED IN A NEMA 1 OR 3R, UL 508A LISTED, VENTILATED CONTROL ENCLOSURE WITH A NEMA 4, 256 COLOR, 6" TOUCH SCREEN INTERFACE. THE CONTROLLER SHALL HAVE A MAIN POWER DISCONNECT SWITCH, WITH ENCLOSURE DOOR INTERLOCK, WHICH SHALL REQUIRE OPENING THE DISCONNECT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

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

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

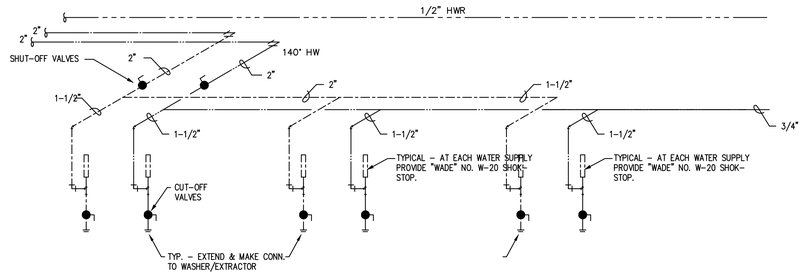


GUEST WASHING MACHINE BOX
SCALE: NONE

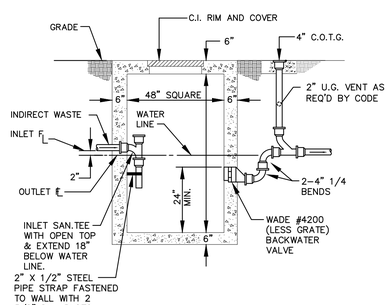


WASHER TRENCH DETAIL
SCALE: NONE

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

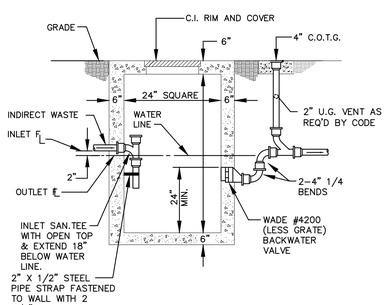


WASHER/EXTRACTOR WATER CONNECTION DETAIL
NOT TO SCALE



POOL CATCH BASIN
SCALE: NONE

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



CONDENSATE CATCH BASIN
SCALE: NONE

NOTES:
1. BOTTOM AND SIDES SHALL BE A MONOLITHIC POUR.
2. CONCRETE SHALL BE BY DIVISION 3-CONCRETE.
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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Details

Phase
Construction Documentss

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

Sheet No.
P301

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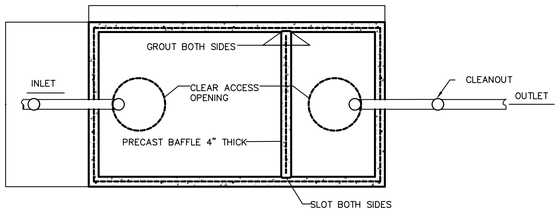
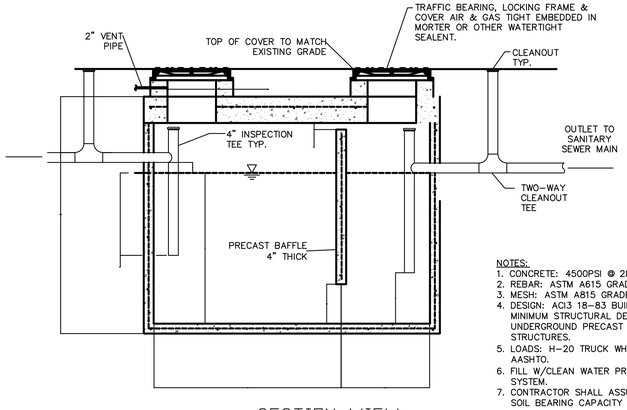
TRENCHING AND BACKFILLING

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



PLAN VIEW



SECTION VIEW

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

750 GALLON GREASE INTERCEPTOR

SCALE: NONE

PLUMBING SPECIFICATIONS

1. LICENSED PLUMBING CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED BY LOCAL CODES.
2. WATER SUPPLY SYSTEM AND SEWER SYSTEM SHALL BE PERMITTED AND INSPECTED BY LOCAL AUTHORITIES PRIOR TO BUILDING OCCUPANCY AND PROJECT CLOSEOUT.
3. THE WORK UNDER PLUMBING SECTION SHALL INCLUDE ALL LABOR, SERVICES, MATERIALS, EQUIPMENT, AND PERFORMANCE OF ALL WORK REQUIRED FOR THE INSTALLATION OF ALL PLUMBING WORK, AS SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED.
4. SHOULD THERE BE ANY DISCREPANCIES OR A QUESTION OF INTENT, REFER THE MATTER TO THE ENGINEER FOR A DECISION BEFORE ORDERING ANY EQUIPMENT OR MATERIALS, OR BEFORE STARTING ANY RELATED WORK.
5. WHERE WORK CONNECTS TO THAT OF ANOTHER TRADE OR TO PIPING OR EQUIPMENT IN PLACE, FIELD MEASUREMENTS SHALL BE MADE TO MAKE CONNECTING WORK COME TRUE AND LINE UP WITH THE ITEM BEING CONNECTED.
6. WHERE WORK OF OTHER TRADES CONNECTS TO EQUIPMENT WHICH IS A PART OF THIS TRADE PROVIDE PROPER CONNECTION(S) TO SUCH EQUIPMENT.
7. MINOR ITEMS AND ACCESSORIES OR DEVICES REASONABLY INFERRED AS NECESSARY TO THE COMPLETE AND PROPER INSTALLATION AND OPERATION OF ANY SYSTEM SHALL BE PROVIDED BY THE CONTRACTOR FOR SUCH SYSTEM, WHETHER OR NOT THEY ARE SPECIFICALLY CALLED FOR BY THE SPECIFICATIONS AND DRAWINGS.
8. CAREFULLY CHECK AND COORDINATE THE LOCATION AND LEVEL OF ALL PIPES, DUCT, ETC. RUN PRELIMINARY LEVELS AND CHECK WITH ALL OTHER CONTRACTORS SO THAT CONFLICTS IN ALL LOCATIONS MAY BE AVOIDED.
9. ALL WORK SHALL BE EXECUTED AND INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL FEDERAL, STATE, AND LOCAL CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS, AND OSHA REQUIREMENTS APPLICABLE TO THE PARTICULAR CLASS OF WORK. ALL PERMITS AND FEES FOR PLUMBING WORK SHALL BE PAID BY THE PLUMBING CONTRACTOR AND SHALL BE INCLUDED IN HIS BID.
10. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS ON THE PROJECT IN ORDER THAT THERE BE NO DELAY IN THE PROPER INSTALLATION AND COMPLETION OF THE WORK. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF HIS WORK WITH THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND ALL OTHER TRADES ON THE PROJECT, AND SHALL FIT HIS WORK TO AVOID INTERFERENCE. ANY RELOCATIONS OF DUCTWORK, EQUIPMENT, PIPING, VALVES, ETC., REQUIRED BECAUSE OF AN INTERFERENCE SHALL BE MADE AT THIS CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COST TO THE OWNER.
11. ALL PIPE, TUBE, AND FITTINGS SHALL COMPLY WITH THE LATEST ISSUED CODE AND STANDARDS, UNLESS INDICATED OTHERWISE BY LOCAL CODES.
12. WELDING PROCEDURES, WELDERS, AND OPERATORS SHALL BE CERTIFIED IN ACCORDANCE WITH ASME B 31.1 OR ASME B 31.9, AS APPLICABLE, FOR SHOP AND PROJECT SITE WELDING OF PIPE WORK.
13. CERTIFY WELDING OF PIPING WORK USING STANDARD PROCEDURE SPECIFICATIONS BY, AND WELDERS TESTED UNDER SUPERVISION OF, NATIONAL CERTIFIED PIPE WELDING BUREAU (NCPWB).
14. WHERE PLASTIC PIPING IS INDICATED TO TRANSPORT POTABLE WATER, PROVIDE PIPES AND PIPE FITTINGS BEARING APPROVAL LABEL BY NATIONAL SANITATION FOUNDATION (NSF).
15. COPPER TUBE AND FITTINGS
    A. COPPER TUBE: ASTM B 88 TYPE (WALL THICKNESS), AS INDICATED, FOR EACH SERVICE: HARD-DRAWN OR SOFT-DRAWN TEMPER, AS INDICATED, EXCEPT AS OTHERWISE INDICATED.
    B. CAST COPPER SOLDER JOINT FITTINGS: ANSI B16.18.
    C. WROUGHT COPPER SOLDER JOINT FITTINGS: ANSI B16.22.
16. BRASS PIPE FITTINGS
    A. RED BRASS PIPE: ASTM B 43 IN REGULAR WEIGHT.
    B. CAST BRONZE THREADED FITTINGS: ANSI B16.15, CLASS 150 OR 250, AS REQUIRED.
    C. CAST BRONZE THREADLESS FITTINGS: ASTM B 61.
17. PLASTIC PIPES AND FITTINGS
    A. POLYVINYL CHLORIDE PIPE (PVC): ASTM D 1785, IN SCHEDULE WEIGHT, AS INDICATED ON THE DRAWINGS.
    B. POLYVINYL CHLORIDE WATER PIPE (PVC): AWWA C 900 IN.
    C. POLYVINYL CHLORIDE SEWER PIPE (PVC): ASTM D 2729.
    D. POLYVINYL CHLORIDE DRAIN, WASTE AND VENT PIPE (PVC-DWV): ASTM D 2665.
    E. POLYVINYL CHLORIDE TYPE PSM SEWER PIPE: ASTM D 3034.
    F. PVC FITTINGS

1. SCHEDULE 40 SOCKET: ASTM D 2466
2. SCHEDULE 80 SOCKET: ASTM D 2467
3. SCHEDULE 80 THREADED: ASTM D 2464
4. DWV SOCKET: ASTM D 2665
5. SEWER SOCKET: ASTM D 2729
6. SOLVENT CEMENT: ASTM D 2564
7. SOLVENT CEMENT (TO JOIN PVC TO ABS): ASTM D 3138

PLUMBING SPECIFICATIONS CONT.

18. INSULATION
    A. MANUFACTURER'S – ARMACELL INTERNATIONAL OR APPROVED EQUAL.
    B. INSULATE STORM DRAIN, ROOF DRAIN BODIES, OVERFLOW DRAIN, CONDENSATE DRAIN, DOMESTIC COLD, HOT AND HOT WATER RETURN PIPING SYSTEMS WITH ARMACELL INTERNATIONAL; MODEL AP ARMAFLEX OR APPROVED EQUAL, 4.2 PER INCH R VALUE, PREFORMED FLEXIBLE ELASTOMERIC CLOSED-CELL RUBBER INSULATION COMPLYING WITH ASTM C 534 TYPE 1. USE MOLDED TUBULAR MATERIAL WHEREVER POSSIBLE AND HAVE WATERPROOF VAPOR BARRIER ADHESIVE. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. INSULATE ENTIRE SYSTEM INCLUDING FITTINGS, VALVES, UNIONS, FLANGES, STRAINERS, FLEXIBLE CONNECTIONS, PUMP BODIES, AND EXPANSION JOINTS. USE OVERSIZED HANGERS TO ALLOW THE INSULATION TO PASS THROUGH THE HANGER WITHOUT CUTTING OR PIERCING. MAINTAIN A CONTINUOUS VAPOR BARRIER. INSULATION SHALL BE APPLIED TO THE FOLLOWING PIPING SYSTEM WITH THICKNESS AS INDICATED. ALL INSULATION SHALL COMPLY WITH THE CURRENT IECC CODES.
    C. PIPING SYSTEM, PIPE SIZE, THICKNESS
       DOMESTIC COLD WATER, ALL SIZES, 1/2"
       DOMESTIC HOT WATER, 2" AND SMALLER, 1"
    D. FURNISH AND INSTALL ZESTON 2000 OR PROTO PVC INSULATED FITTING COVERS ON ALL PIPE FITTINGS, FLANGES, VALVES, AND PIPE TERMINATIONS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
    E. PIPE INSULATION SHALL RUN CONTINUOUS THROUGH NON-RATED WALLS AND PARTITIONS, EXCEPT WHERE PIPE PASSES THROUGH FIRE RATED WALLS. PENETRATION OF FIRE RATED WALLS SHALL BE ACCOMPLISHED BY MEANS OF FIRE RATED PIPE PENETRATIONS, AS DETAILED BY U.L.
19. SANITARY SEWER UNDERGROUND INSIDE BUILDING CAST IRON. (OWNERS MAY DIRECT USE OF PVC INSTEAD OF CAST IRON AT THEIR OWN RISK.) SANITARY SEWER SHALL BE DWV SCHEDULE 40 PVC AS ALLOWED BY SANITARY SEWER ABOVE FLOOR MAY BE SCHEDULE 40 SOLID CORE PVC DEPENDING ON CODES. CELLULAR CORE PVC PIPING IS NOT ACCEPTABLE. SANITARY SEWER OUTSIDE THE BUILDING MAY BE DWV SCHEDULE 40 PVC AS ALLOWED BY LOCAL CODE.
20. GENERAL CONTRACTOR WILL PROVIDE OPENINGS IN ROOF, FLOORS AND EXTERIOR WALLS FOR FOR PLUMBING EQUIPMENT AND PIPE PENETRATIONS.
21. INSULATE ALL ABOVE GRADE DOMESTIC WATER PIPE AND COLD CONDENSATE DRAIN PIPES.
22. SHOCK ABSORBERS (SA) SHALL BE WADE #10, WATTS #SG-050, OR EQUAL.
23. WALL HYDRANTS SHALL BE WATTS #HY-420, OR EQUAL.
24. DOMESTIC WATER PIPING BELOW GRADE SHALL BE TYPE "K" SOFT DRAWN COPPER PIPE WRAPPED WITH VINYL TAPE. NO JOINTS BELOW FLOOR SLAB.
25. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE HARD DRAWN TYPE "L" COPPER WITH WROUGHT SWEAT SOLDER JOINTS OR COMBINED COPPER-PEX-A SYSTEM PER HILTON HOTEL STANDARD SPECIFICATIONS.
26. VALVES SHALL BE FULL PORT BALL VALVES, NIBCO, OR EQUAL.
27. SEISMIC RESTRAINTS (WHERE REQUIRED BY CODE)
    A. THIS CONTRACTOR SHALL PROVIDE SEISMIC RESTRAINTS FOR PLUMBING PIPING AND EQUIPMENT IN ACCORDANCE WITH THE STANDARD BUILDING CODE 1997, SECTION 1607.
    B. PROVIDE TRANSVERSE AND LOGITUDINAL BRACING AS FOLLOWS UNLESS INDICATED OTHERWISE BY LOCAL CODE.

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

       MAX TRANSVERSE SPACING (FT.): 14 16 18 20 24 26 28 34 38

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

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

    C. PLUMBING CONTRACTOR SHALL PROVIDE SEISMIC RESTRAINT CALCULATIONS FOR PLUMBING PIPING AND EQUIPMENT CONNECTED TO THE BUILDING STRUCTURE. CALCULATIONS MUST BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT LOCATION.
    D. SEISMIC RESTRAINT MATERIALS SHALL BE AS MANUFACTURED BY MASON INDUSTRIES, B-LINE SYSTEMS OR AN APPROVED EQUAL.
28. PIPE PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROVIDED WITH U.L. FIRE RATED PIPE SLEEVE ASSEMBLIES AND SEALED AS REQUIRED BY LOCAL AND STATE CODES AND ORDINANCES.
29. PIPE PENETRATIONS THROUGH SMOKE BARRIERS (1 HOUR FIRE RESISTANT RATING REQUIRED FOR SMOKE BARRIERS.) SHALL BE PROVIDED WITH U.L. FIRE RATED PIPE SLEEVE ASSEMBLIES AND SEALED AS REQUIRED BY LOCAL AND STATE CODES AND ORDINANCES.
30. PIPE PENETRATIONS THROUGH SMOKE PARTITIONS SHALL BE SEALED TO PREVENT PASSAGE OF SMOKE AS REQUIRED BY LOCAL, AND STATE CODES AND ORDINANCES.
31. IF PVC DRAINAGE PIPE IS USED ABOVE GUEST ROOMS OR ANY OTHER PUBLIC AREA, THE PIPES SHALL BE INSULATED FOR SOUND CONTROL.
32. PLUMBING CONTRACTOR SHALL HAVE IN POSSESSION A COPY OF "FURNISHING & CONSTRUCTION STANDARDS", FOR USE BY HOME2 SUITES BY HILTON ONLY, LATEST EDITION AND COMPLY WITH DIRECTIVE, UNLESS INSTRUCTED OTHERWISE BY THE OWNER.
33. ALL ITEMS RELATED TO THE PLUMBING SYSTEMS MUST HAVE THE APPROVAL OF HILTON HOTELS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS.

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg, LLC

Home2Suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
Details and Specs

Phase
Construction Documentss

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

Sheet No.
P302

Released for

ELECTRICAL SITE PLAN NOTES:

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

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

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

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

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

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

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

TRENCHING AND BACKFILL, CONDUIT, PULL WIRES AND/OR ROPES & STRINGS,

CABLE, CONNECTIONS,AND METERING PROVISIONS AND REQUIREMENTS.

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

GENERAL SITE PLAN NOTES

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

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

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

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

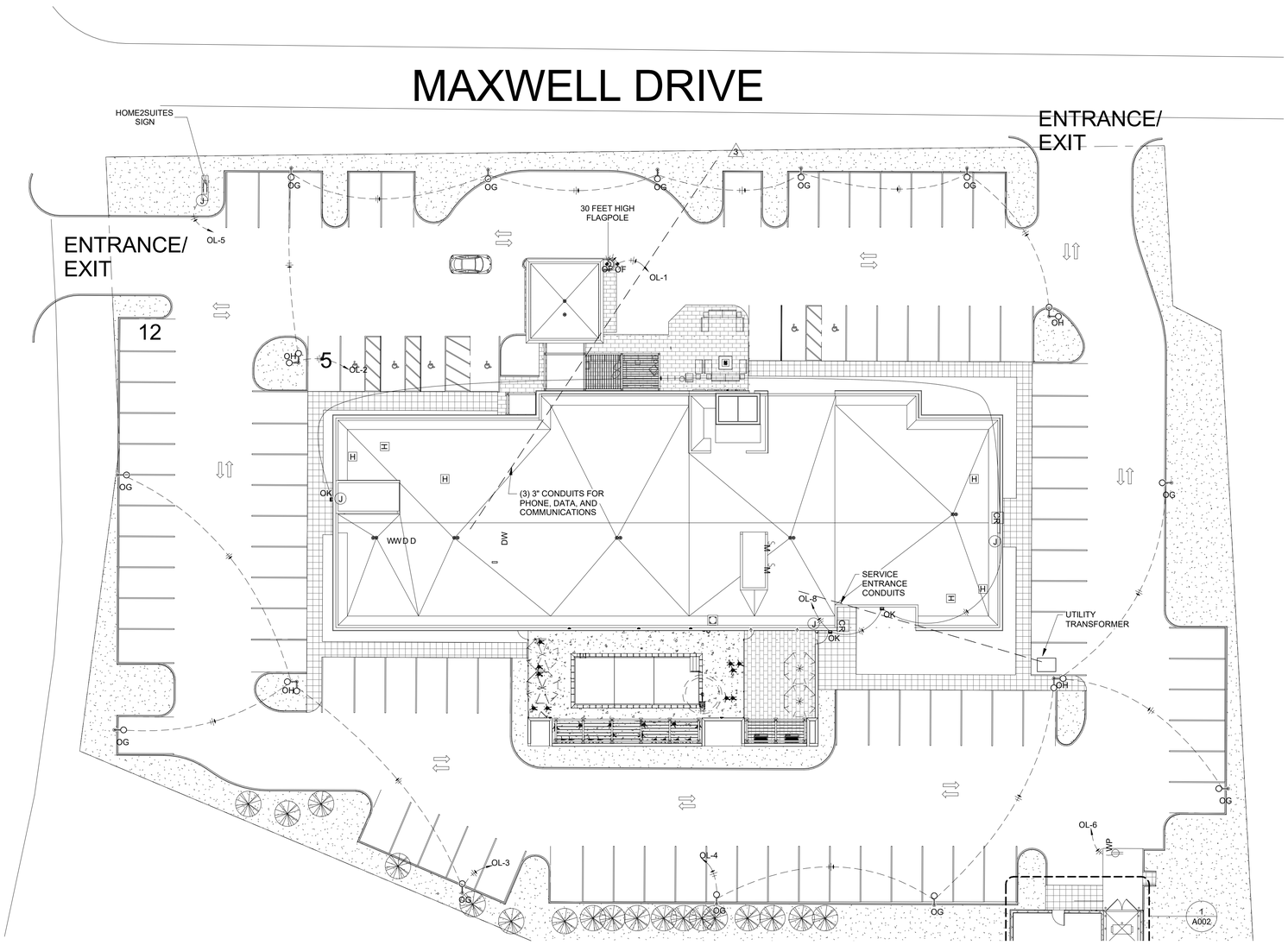
5.) ALL WIRING SHOWN ON THIS SITE PLAN SHALL BE A MINIMUM OF #10 THHN / THWN COPPER IN A MINIMUM 3/4"C., UNLESS NOTED OTHERWISE.

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

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

8.) UNDERWATER POOL LIGHTS BY POOL CONTRACTOR.

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



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

NOTE:

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

DRAWING NOTES

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

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REVISIONS		
No.	Date	Description
2	05/06/19	Hilton Comments
3	05/21/19	Added PBX

RYAN J. HERTTER LICENSED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - SITE PLAN

Phase
Construction Documents

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

Sheet No. E101

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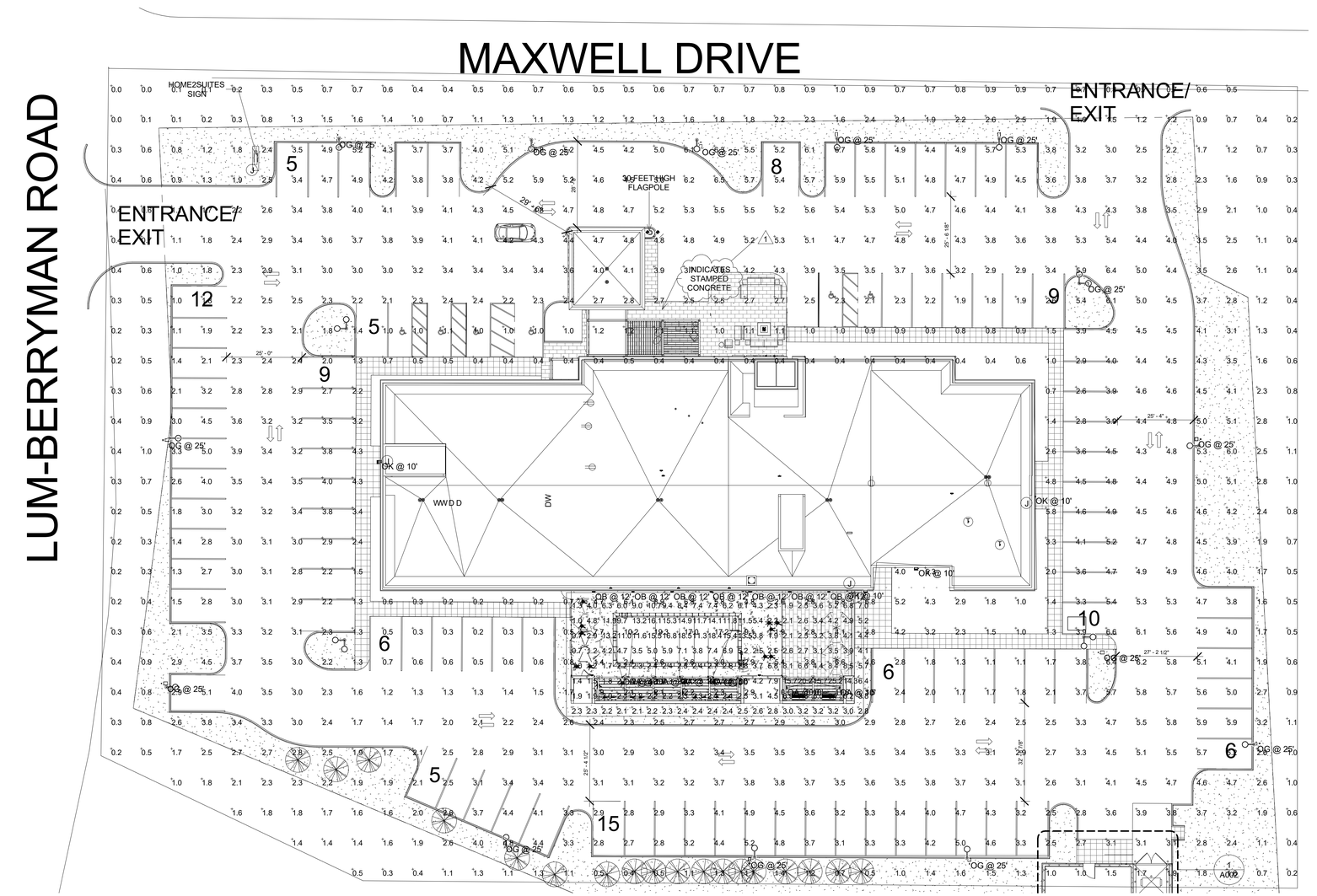
HOME2suites Vicksburg



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

OUTDOOR LIGHT FIXTURE SCHEDULE

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

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

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REVISIONS		
No.	Date	Description

RYAN J. HERTTER REGISTERED PROFESSIONAL ENGINEER 19912 STATE OF MISSISSIPPI

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - SITE PHOTOMETRICS

Phase
Construction Documents

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

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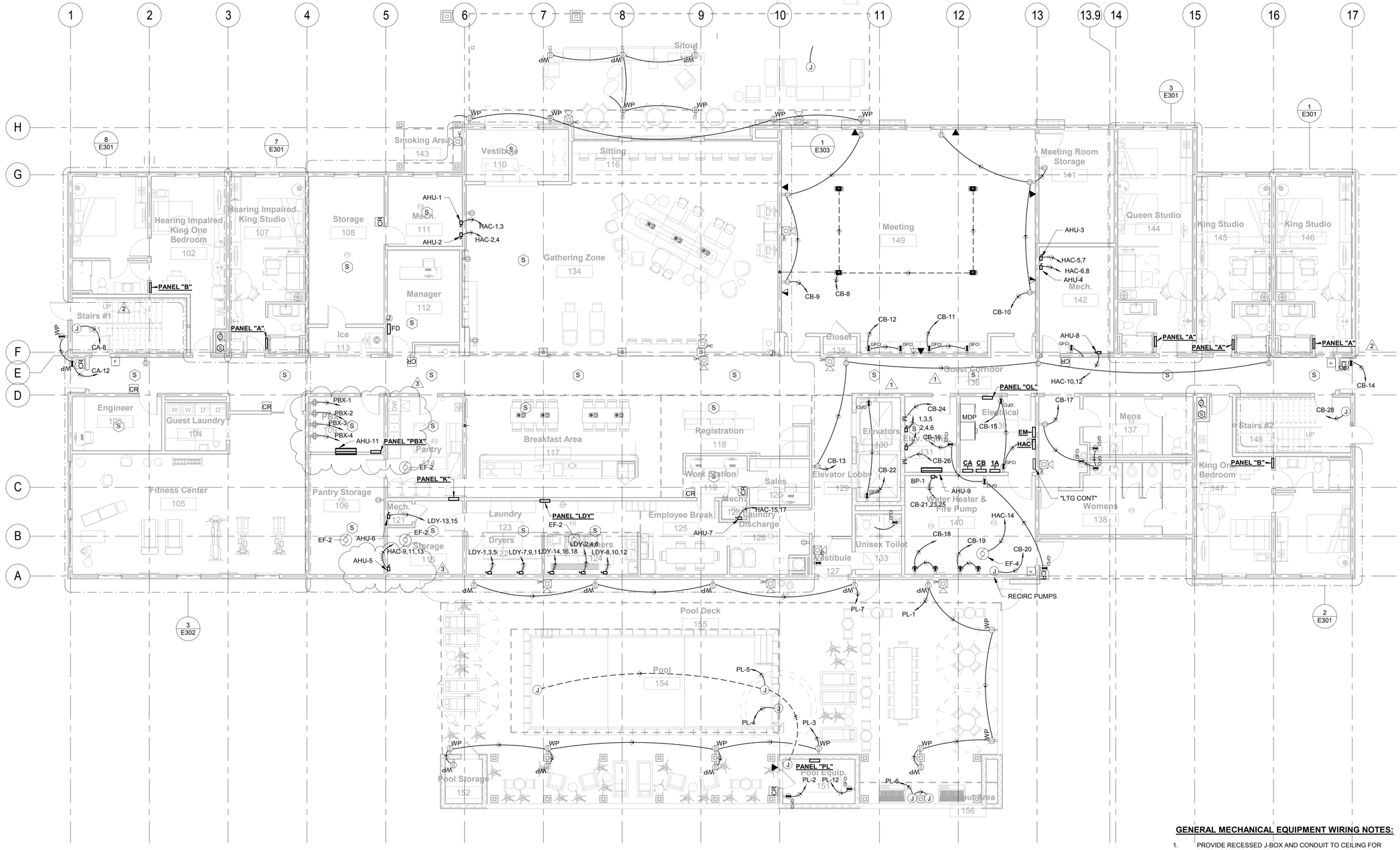
POOL EQUIPMENT:

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

LAUNDRY EQUIPMENT:

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

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



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

GENERAL MECHANICAL EQUIPMENT WIRING NOTES:

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

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

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - FIRST FLOOR POWER PLAN

Phase
Construction Documents

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

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HOME2suites Vicksburg

GENERAL NOTES THIS SHEET:

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

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

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Email:mikebes@bellsouth.net

STRUCTURAL:
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122 Nut Tree Court
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Email: bill@weslex.com

MEP:
Innovative Engineering Services, LLC
2787 Stage Center DR., Suite 101
Bartlett, TN 38134
Phone: (901) 379-0500
Email: rhertter@innovativees-llc.com

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

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - FIRST FLOOR LIGHTING PLAN

Phase
Construction Documents

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

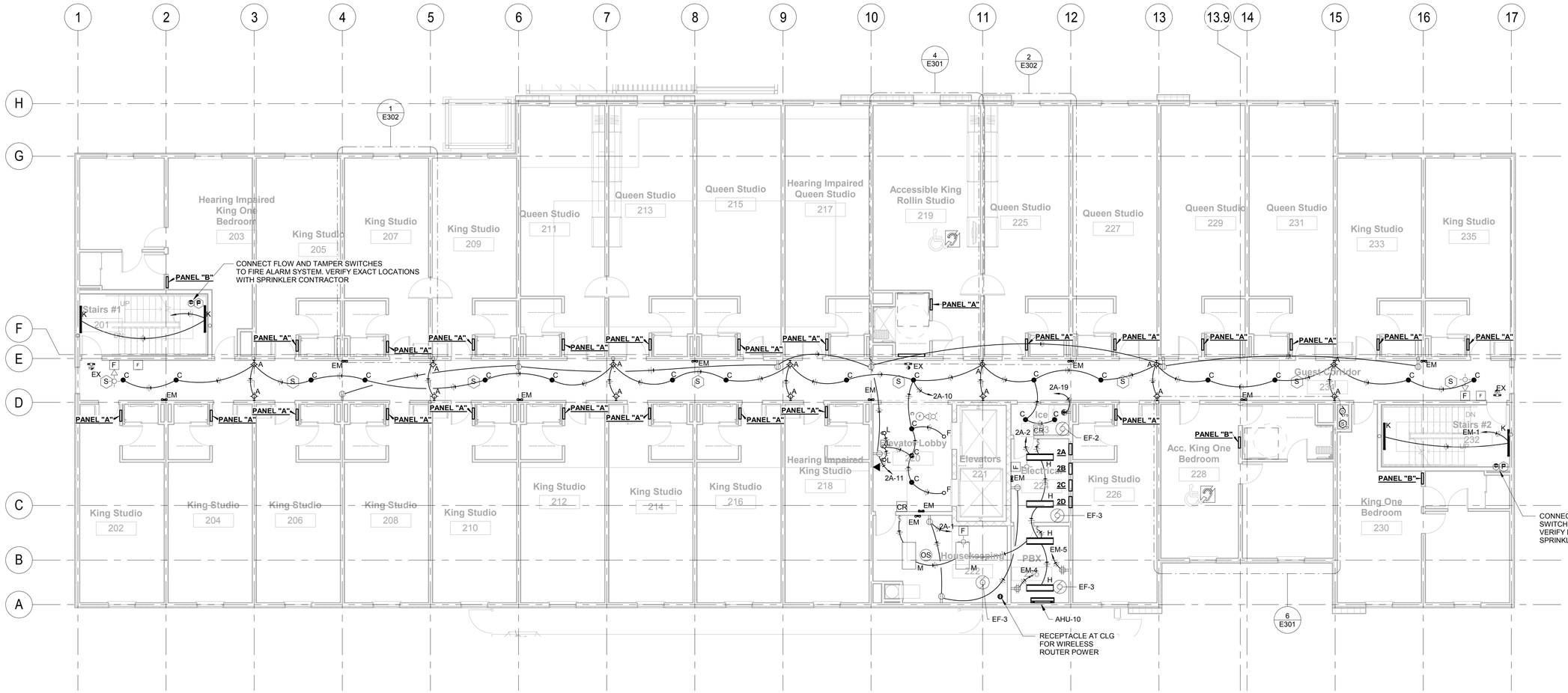
Sheet No. E202

Released for

HOME2suites Vicksburg

GENERAL NOTES THIS SHEET:

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



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

INNOVATIVE • ENGINEERING SERVICES, LLC

MISHRA ARCHITECTURE PLLC
6800 S Creek Rd, Charlotte, NC 28277
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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - SECOND FLOOR PLAN

Phase
Construction Documents

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

Sheet No.
E203

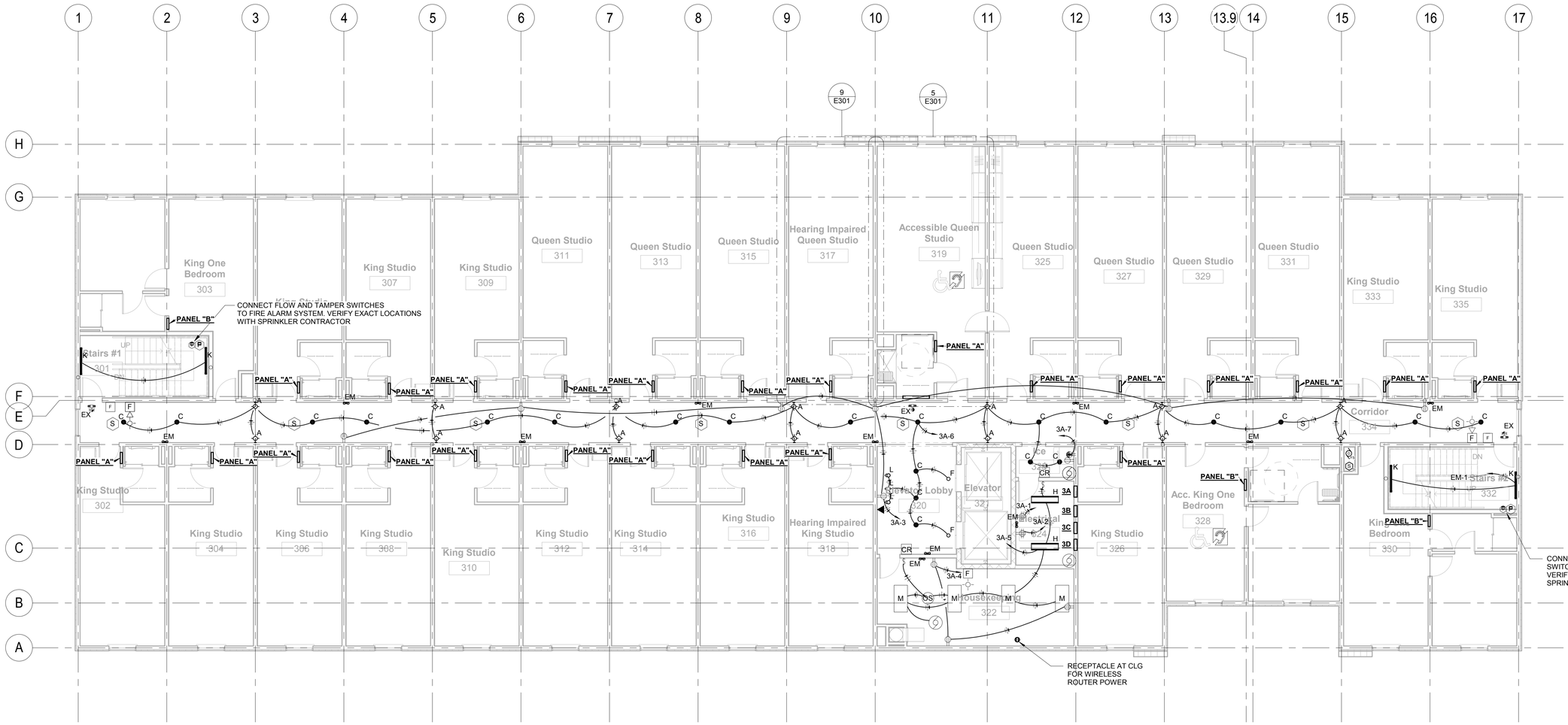
Released for

HOME2suites Vicksburg

4/3/2019 6:45:11 PM

GENERAL NOTES THIS SHEET:

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



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

4/3/2019 6:45:23 PM

INNOVATIVE • ENGINEERING SERVICES, LLC

MISHRA ARCHITECTURE PLLC
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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - THIRD FLOOR PLAN

Phase
Construction Documents

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

Sheet No. E204

Released for

HOME2suites Vicksburg

GENERAL NOTES THIS SHEET:

1. INCREASE THE WIRE SIZE A MINIMUM OF ONE SIZE ON ALL 120V. HOME-RUNS OVER 100 FEET IN LENGTH. INCREASE THE WIRE SIZE A MINIMUM OF ONE SIZE FOR ALL 208V. HOME-RUNS OVER 150 FEET IN LENGTH.
2. VERIFY THE ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR AND HIS SUPPLIER PRIOR TO ROUGH-IN.
3. EMERGENCY LIGHTS IN CORRIDOR SHALL BE WIRED ON A SINGLE CIRCUIT PER FLOOR.
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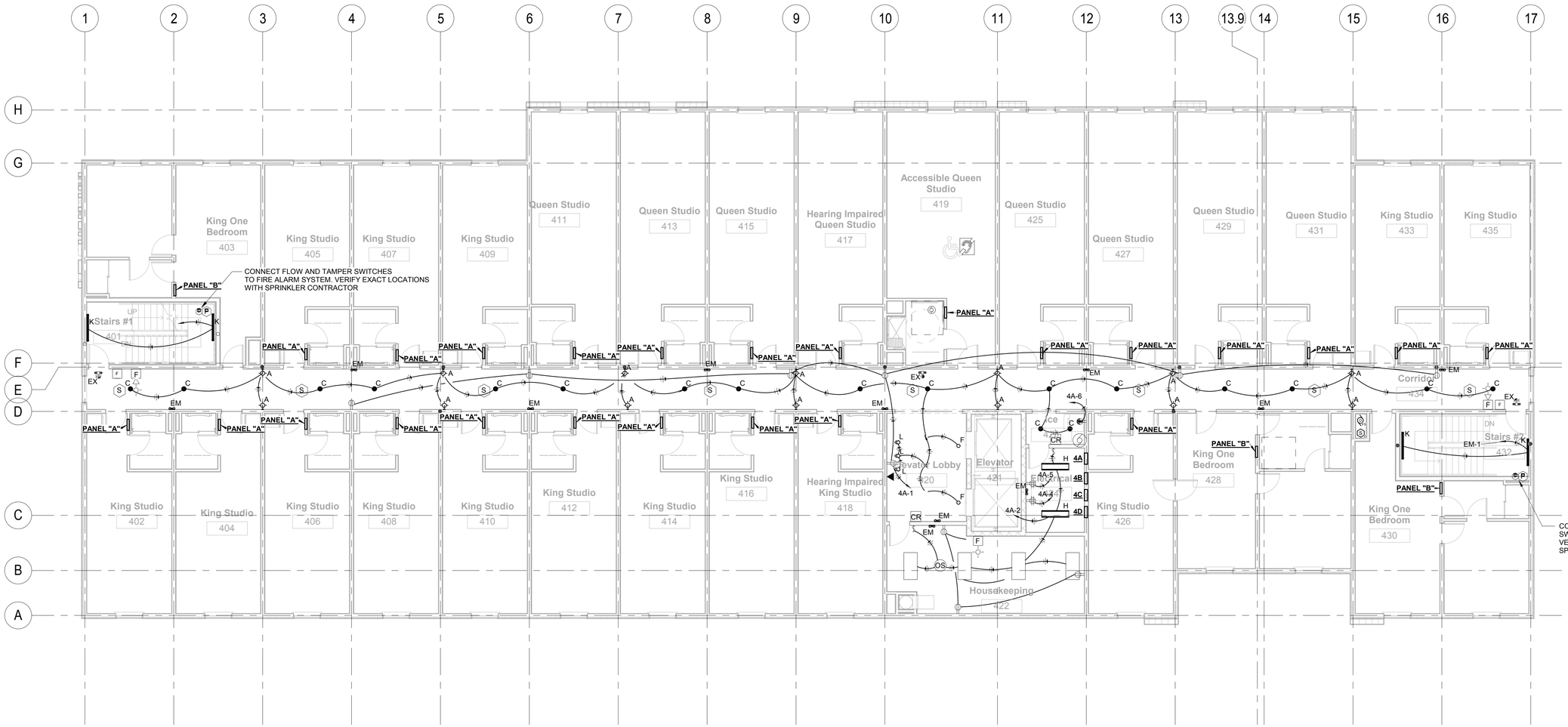

1 FOURTH FLOOR PLAN
1/8" = 1'-0"

INNOVATIVE • ENGINEERING SERVICES, LLC

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - FOURTH FLOOR PLAN

Phase
Construction Documents

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

Sheet No.
E205

Released for

HOME2suites Vicksburg

4/3/2019 6:45:34 PM

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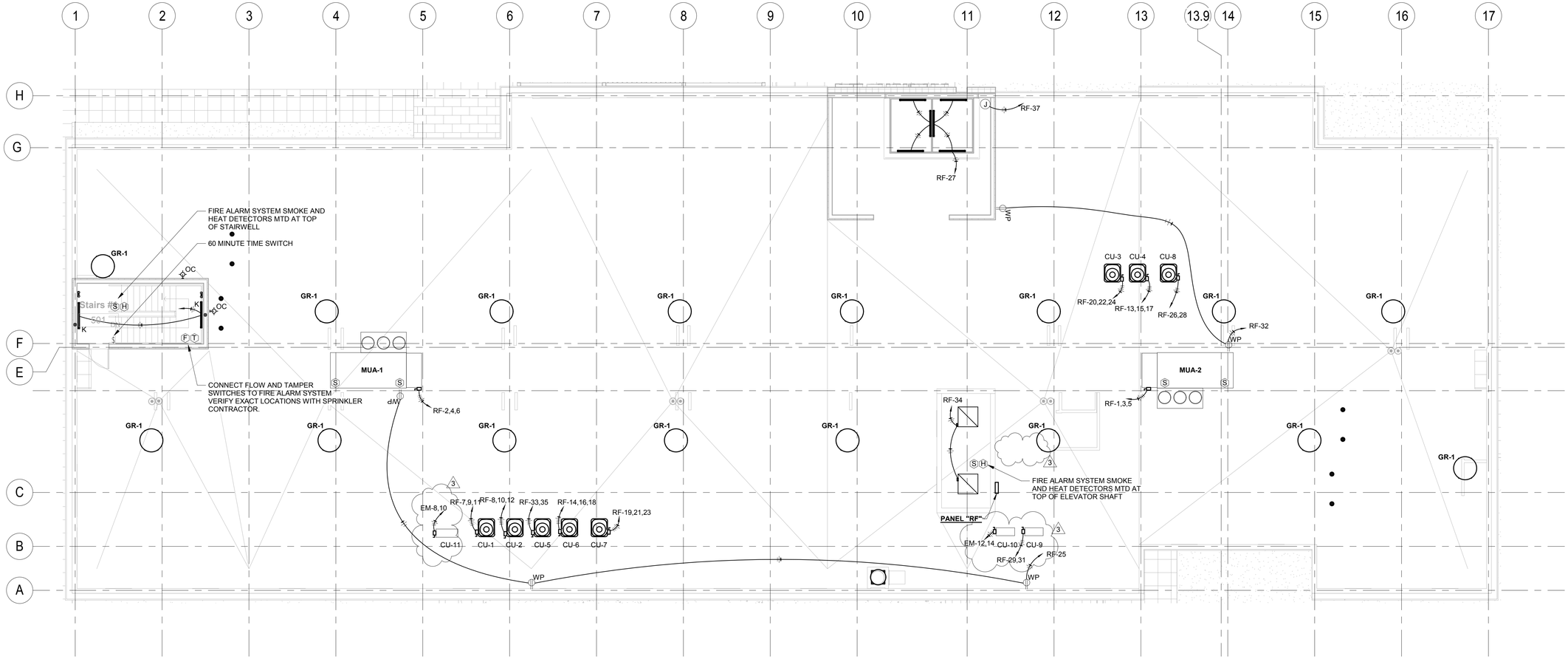
LIGHTNING PROTECTION SYSTEM:

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

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

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



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

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

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

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL ROOF PLAN

Phase
Construction Documents

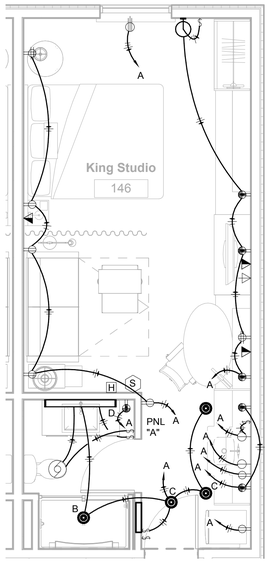
Project No.	19005
Prepared by	PTH
Checked by	RJH
Date	04/02/19

Sheet No.
E206

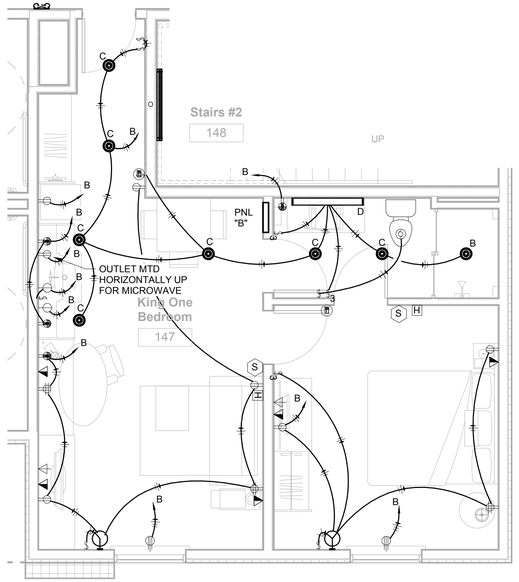
Released for

5/24/2019 7:21:19 PM

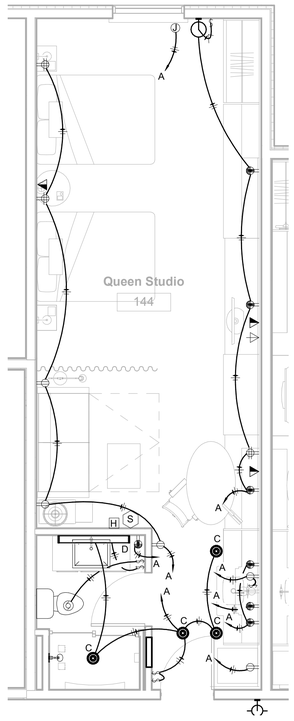
HOME2suites Vicksburg



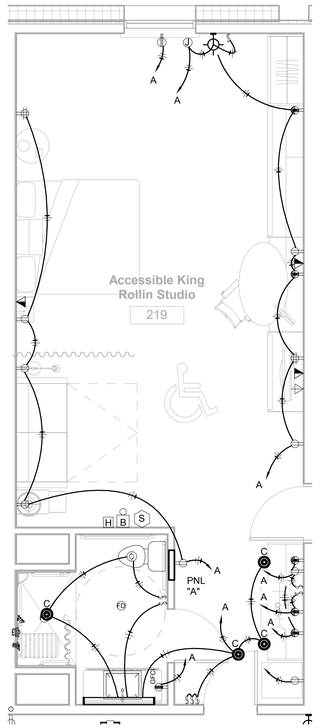
1 KING STUDIO
1/4" = 1'-0"



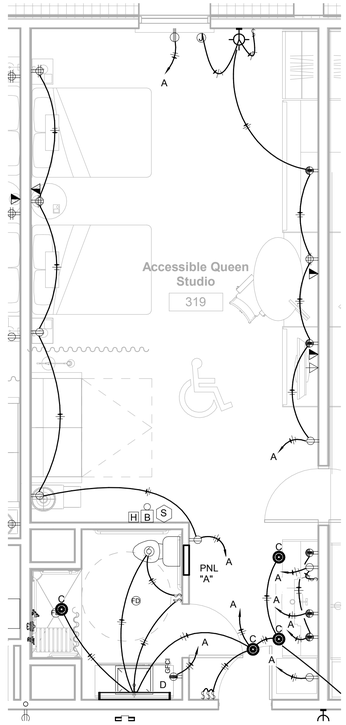
2 KING ONE BEDROOM
1/4" = 1'-0"



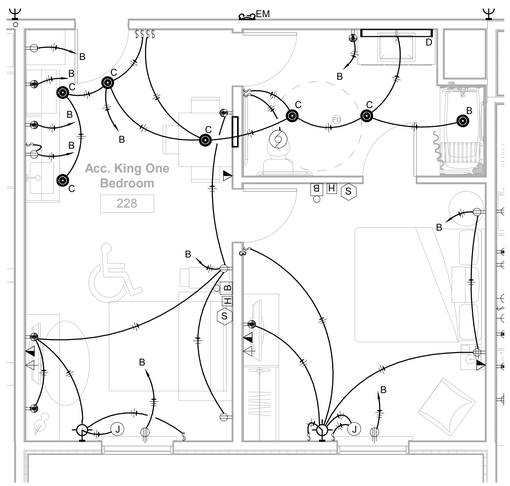
3 DOUBLE QUEEN STUDIO
1/4" = 1'-0"



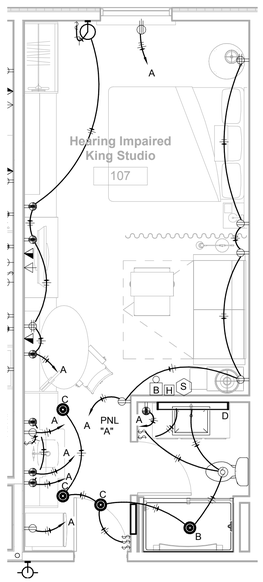
4 ACCESSIBLE KING ROLLIN STUDIO
1/4" = 1'-0"



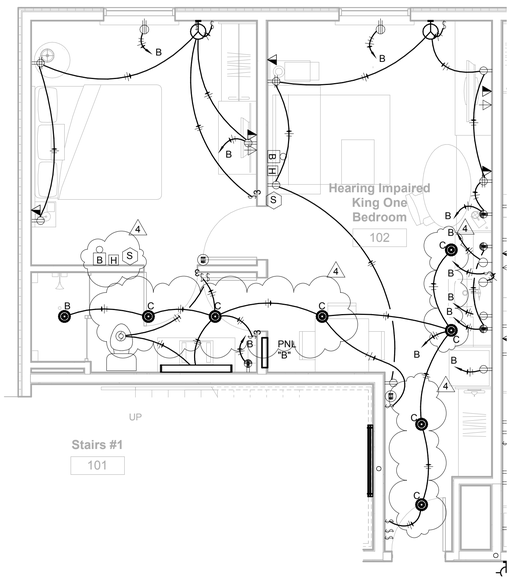
5 ACCESSIBLE QUEEN STIDIO
1/4" = 1'-0"



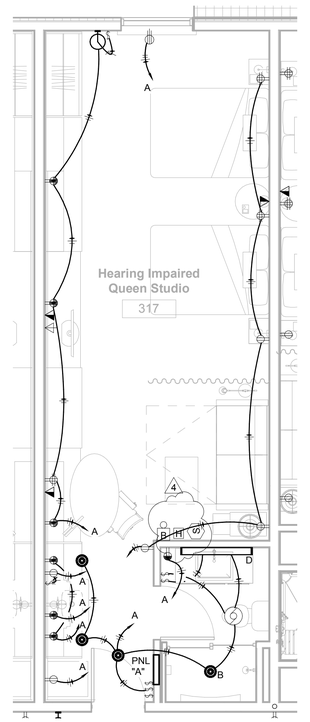
6 ACCESSIBLE KING ONE BEDROOM
1/4" = 1'-0"



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



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



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

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

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL TYPICAL ROOM ENLARGED

Phase
Construction Documents

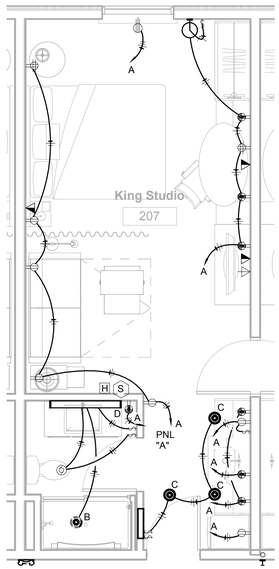
Project No.	19005
Prepared by	PTH
Checked by	RJH
Date	04/02/19

Sheet No. E301

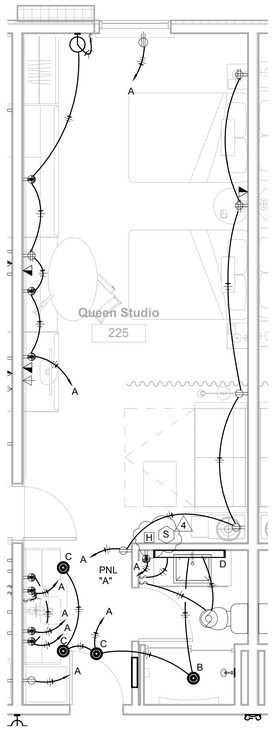
Released for

7/17/2019 8:07:30 PM

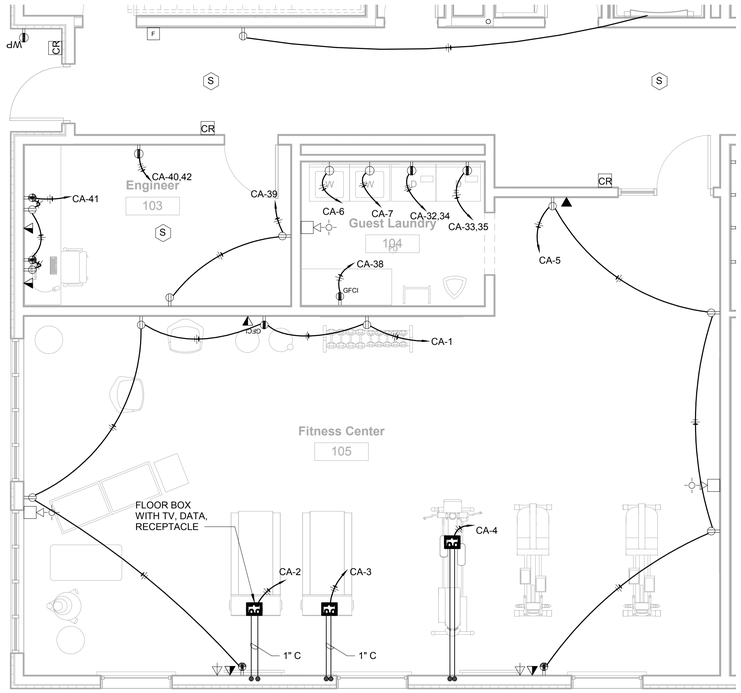
HOME2suites Vicksburg



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



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



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

7/17/2019 8:07:34 PM

INNOVATIVE • ENGINEERING SERVICES, LLC

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

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL TYPICAL ROOM ENLARGED

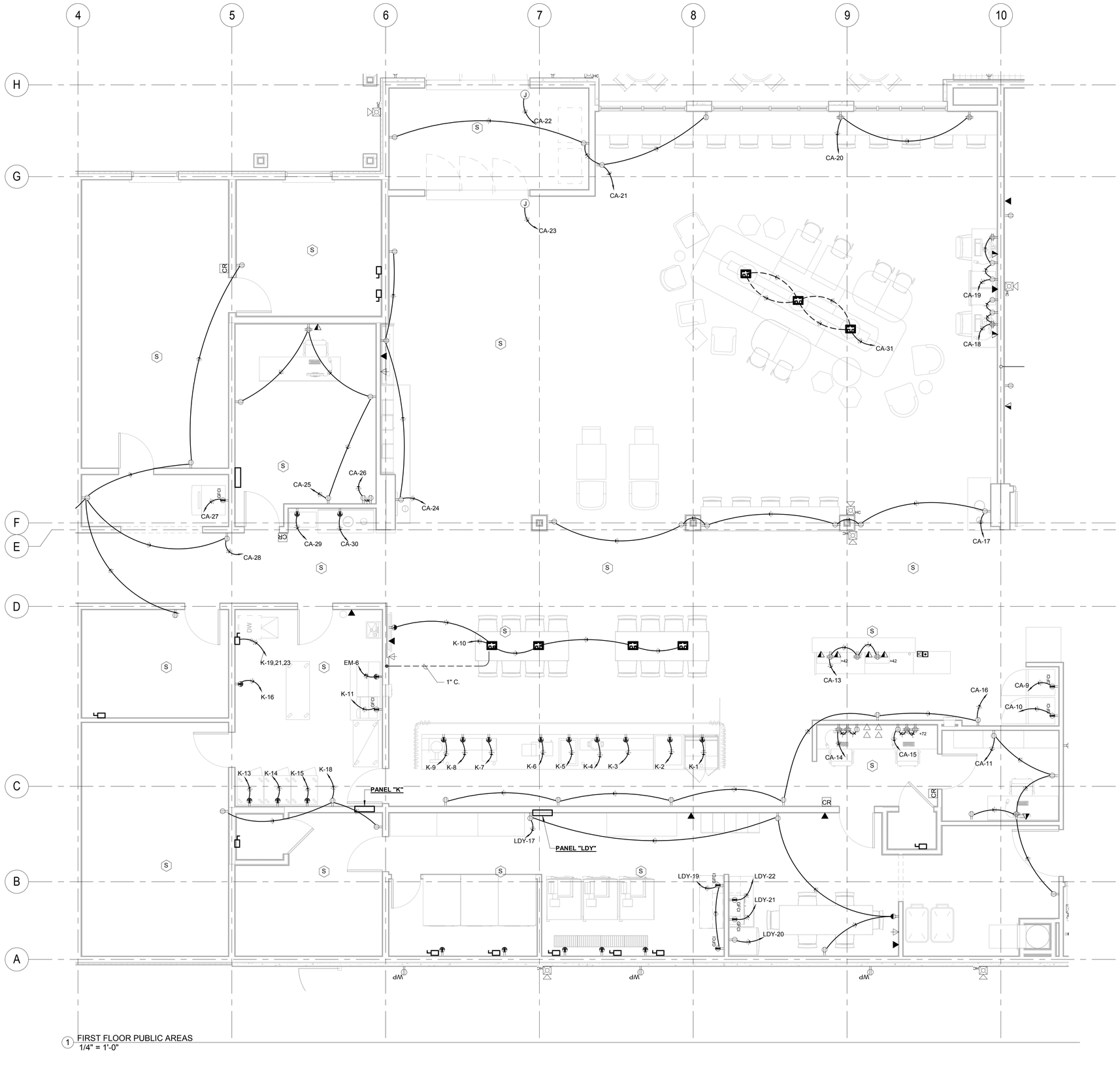
Phase
Construction Documents

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

Sheet No.
E302

Released for

HOME2suites Vicksburg



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

4/3/2019 6:46:27 PM

INNOVATIVE • ENGINEERING SERVICES, LLC

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL ENLARGED FIRST FLOOR COMMON AREA

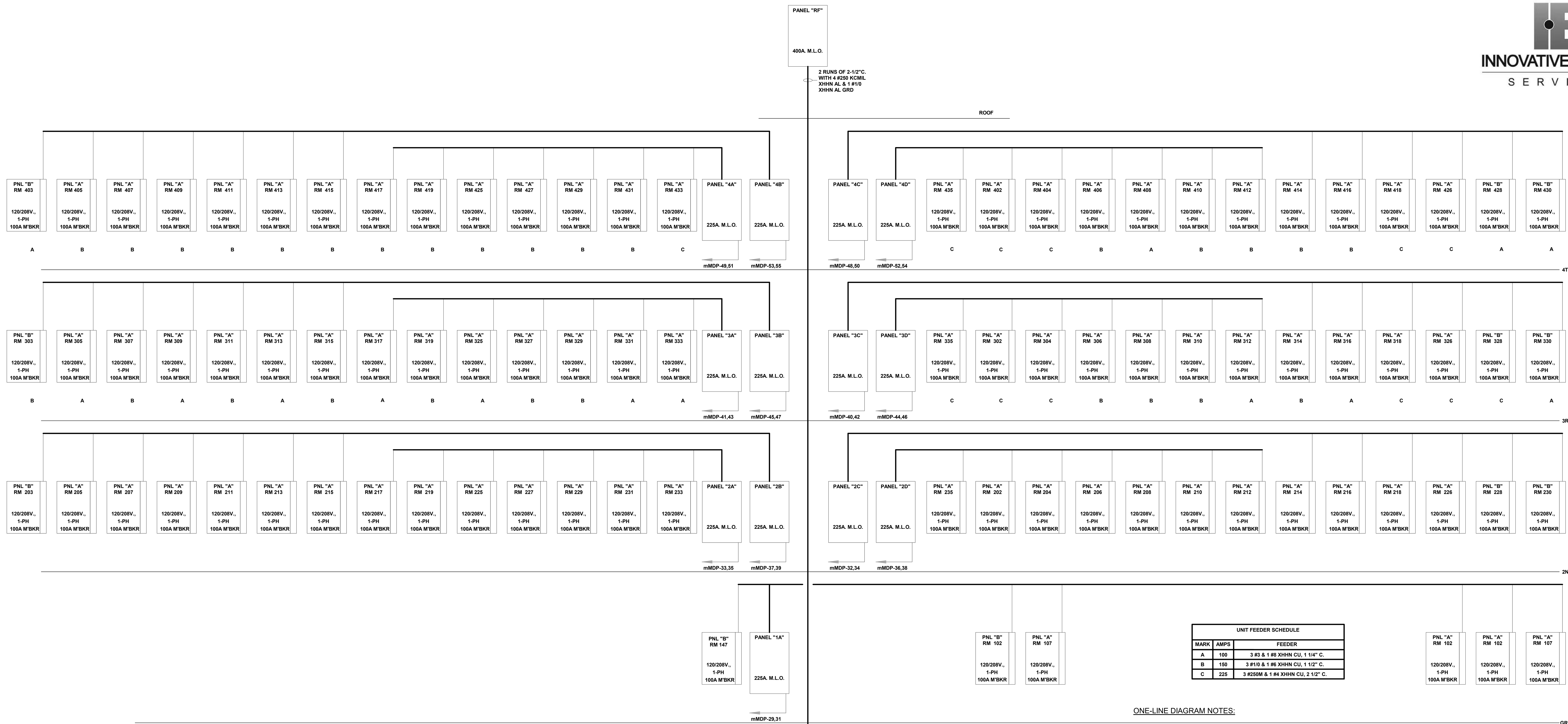
Phase
Construction Documents

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

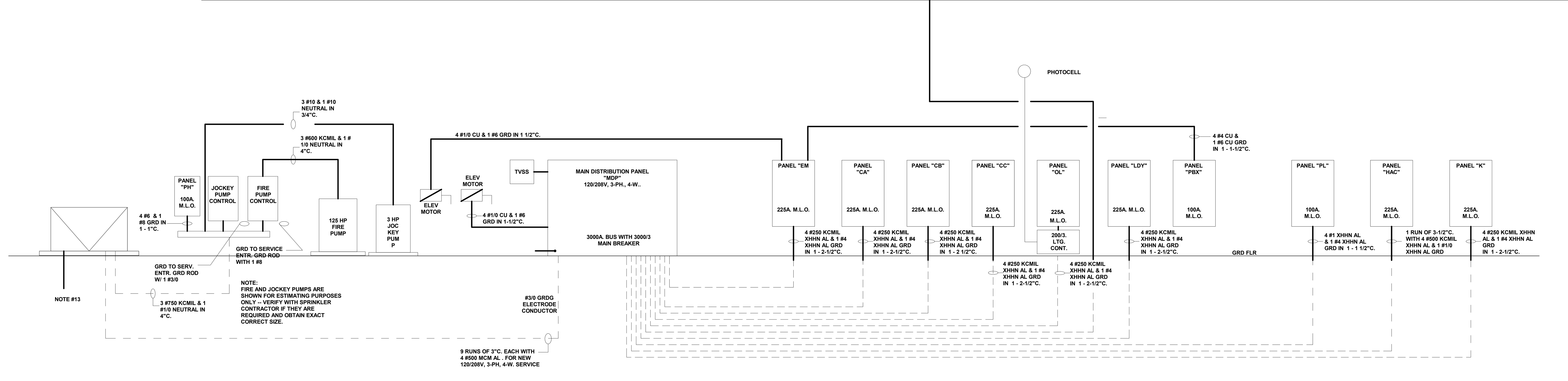
Sheet No.
E303

Released for

HOME2suites Vicksburg



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



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

ONE-LINE DIAGRAM NOTES:

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

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - ONE LINE DIAGRAM

Phase
Construction Documents

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

Sheet No.
E401

HOME2suites Vicksburg

Released for

4/3/2019 6:46:31 PM

Branch Panel: MDP

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

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

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

Notes:

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

Legend:

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

Notes:

Branch Panel: CA

Location: Electrical 139
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 22K
Mains Type: MLO
Mains Rating: 250 A
MCB Rating: 225 A

Notes:

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

Legend:

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

Notes:

Branch Panel: CB

Location: Electrical 139
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 22K
Mains Type: MLO
Mains Rating: 250 A
MCB Rating: 225 A

Notes:

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

Legend:

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

Notes:

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

Branch Panel: EM

Location: Electrical 139
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 22K
Mains Type: MLO
Mains Rating: 250 A
MCB Rating: 225 A

Notes:

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

Legend:

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

Notes:

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REVISIONS

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

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL -PANEL SCHEDULES

Phase
Construction Documents

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

Sheet No. E402

Released for

HOME2suites Vicksburg

5/24/2019 7:22:50 PM

Branch Panel: HAC

Location: Electrical 139 | **Supply From:** MDP | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 22K | **Mains Type:** MLO | **Mains Rating:** 250 A | **MCB Rating:** 225 A

Notes:

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

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	530 VA	125.00%	663 VA		
Power	73640 VA	100.00%	73640 VA	**Total Conn. Load:**	74170 VA
				Total Est. Demand:	74303 VA
				Total Conn.:	206 A
				Total Est. Demand:	206 A

Notes:

Branch Panel: PANEL "LDY"

Location: Laundry 123 | **Supply From:** MDP | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 22K | **Mains Type:** | **Mains Rating:** 250 A | **MCB Rating:**

Notes:

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

Legend:

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

Notes:

Branch Panel: PANEL "RF"

Location: | **Supply From:** MDP | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: | **Mains Type:** | **Mains Rating:** 400 A | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
RF-1				1550...	1550...					RF-2
RF-3	MUA-1	175 A	3		1550...	1550...	3	175 A	MUA-2	RF-4
RF-5						1550...	1550...			RF-6
RF-7				1440...	1440...					RF-8
RF-9	CU-1	20 A	3		1440...	1440...	3	20 A	CU-2	RF-10
RF-11						1440...	1440...			RF-12
RF-13				1440...	1440...					RF-14
RF-15	CU-4	20 A	3		1440...	1440...	3	20 A	CU-6	RF-16
RF-17						1440...	1440...			RF-18
RF-19				1440...	1440...					RF-20
RF-21	CU-7	20 A	3		1440...	1440...	3	20 A	CU-3	RF-22
RF-23						1440...	1440...			RF-24
RF-25	Roof Receptacles	20 A	1	540 VA	1456...		2	20 A	CU-8	RF-26
RF-27	Roof Lighting	20 A	1		144 VA	1456...				RF-28
RF-29	CU-9	20 A	2			1350...	0 VA	1	20 A	Spare	RF-30
RF-31				1350...	360 VA			1	20 A	Roof Receptacles	RF-32
RF-33	CU-5	20 A	2		2912...	400 VA		1	20 A	Motorized Dampers	RF-34
RF-35						2912...	1350...	2	20 A	CU-10	RF-36
RF-37	Sign	20 A	1	500 VA	1350...						RF-38
RF-39	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	RF-40
RF-41	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	RF-42
		Total Load:		45196 VA	44552 VA	45252 VA				
		Total Amps:		377 A	371 A	378 A				

Legend:

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

Notes:

Branch Panel: PANEL "K"

Location: Pantry 114 | **Supply From:** MDP | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 22K | **Mains Type:** | **Mains Rating:** 250 A | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
K-1	Receptacle	20 A	1	180 VA	180 VA		1	20 A	Receptacle	K-2
K-3	Receptacle	20 A	1		180 VA	180 VA	1	20 A	Receptacle	K-4
K-5	Receptacle	20 A	1			180 VA	180 VA	1	20 A	Receptacle	K-6
K-7	Receptacle	20 A	1	180 VA	180 VA		1	20 A	Receptacle	K-8
K-9	Receptacle	20 A	1		180 VA	180 VA	1	20 A	Other	K-10
K-11	Receptacle	20 A	1			180 VA				K-12
K-13	Receptacle	20 A	1	180 VA	180 VA		1	20 A	Receptacle	K-14
K-15	Receptacle	20 A	1		180 VA	180 VA	1	20 A	Receptacle	K-16
K-17		20 A	1			678 VA	540 VA	1	20 A	Receptacle	K-18
K-19				8000...						K-20
K-21	Power	20 A	3		8000...					K-22
K-23						8000...				K-24
K-25										K-26
K-27										K-28
K-29										K-30
K-31										K-32
K-33										K-34
K-35										K-36
K-37										K-38
K-39										K-40
K-41										K-42
		Total Load:		9080 VA	9080 VA	9742 VA				
		Total Amps:		76 A	76 A	81 A				

Legend:

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

Notes:

Branch Panel: PANEL "OL"

Location: Electrical 139 | **Supply From:** MDP | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 22K | **Mains Type:** | **Mains Rating:** 150 A | **MCB Rating:**

Notes:

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

Legend:

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

Notes:

Branch Panel: 1A

Location: Electrical 139 | **Supply From:** MDP | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10K | **Mains Type:** MLO | **Mains Rating:** 250 A | **MCB Rating:** 225 A

Notes:

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

Legend:

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

Notes:

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REVISIONS

No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - PANEL SCHEDULES

Phase
Construction Documents

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

Sheet No. E403

Released for

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Branch Panel: 2A

Location: Electrical 224 | **Supply From:** MDP | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10K | **Mains Type:** | **Mains Rating:** 250 A | **MCB Rating:**

Notes:

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

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	48000 VA	100.00%	48000 VA		
Lighting - Dwelling Unit	1700 VA	100.00%	1700 VA	**Total Conn. Load:**	118351 VA
Motor	876 VA	103.45%	906 VA	**Total Est. Demand:**	97581 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	329 A
Receptacle	34830 VA	64.36%	22415 VA	**Total Est. Demand:**	271 A
Power	0 VA	0.00%	0 VA		
Lighting	1469 VA	125.00%	1836 VA		
Refrigerator	4305 VA	75.00%	3229 VA		
Dishwasher	10500 VA	75.00%	7875 VA		
Microwave	8400 VA	75.00%	6300 VA		

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

Branch Panel: 2B

Location: Electrical 224 | **Supply From:** MDP | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10K | **Mains Type:** | **Mains Rating:** 250 A | **MCB Rating:**

Notes:

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

Legend:

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

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

Branch Panel: 2C

Location: Electrical 224 | **Supply From:** MDP | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10K | **Mains Type:** | **Mains Rating:** 250 A | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
2C-1	PANEL "A"	20 A	2	7605...	7605...					2	20 A	PANEL "A"	2C-2
2C-3						6875...	6875...						2C-4
2C-5	PANEL "A"	20 A	2					7605...	1019...	2	20 A	PANEL "B"	2C-6
2C-7				6875...	1046...								2C-8
2C-9	PANEL "B"	20 A	2			1019...	7605...			2	20 A	PANEL "A"	2C-10
2C-11								1046...	6875...				2C-12
2C-13													2C-14
2C-15													2C-16
2C-17													2C-18
2C-19													2C-20
2C-21													2C-22
2C-23													2C-24
2C-25													2C-26
2C-27													2C-28
2C-29													2C-30
2C-31													2C-32
2C-33													2C-34
2C-35													2C-36
2C-37													2C-38
2C-39													2C-40
2C-41													2C-42
		Total Load:		32551 VA		31554 VA		35145 VA					
		Total Amps:		273 A		263 A		294 A					

Legend:

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

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

Branch Panel: 2D

Location: Electrical 224 | **Supply From:** MDP | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10K | **Mains Type:** | **Mains Rating:** 250 A | **MCB Rating:**

Notes:

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

Legend:

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

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

Branch Panel: PANEL "A"

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

Notes:

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

Legend:

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

Notes:

Branch Panel: PANEL "B"

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

Notes:

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

Legend:

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

Notes:

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REVISIONS

No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - PANEL SCHEDULES

Phase
Construction Documents

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

Sheet No. E404

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ELECTRICAL LEGEND

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

SYMBOL	DESCRIPTION
	FIRE ALARM
F	FIRE ALARM SPEAKER & ADA SIGNAL LIGHT (80" MH)
F	FIRE ALARM HORN & ADA SIGNAL LIGHT (80" MH)
F	FIRE ALARM CHIME & ADA SIGNAL LIGHT (80" MH)
L	FIRE ALARM ADA VISUAL SIGNAL LIGHT (80" MH)
FS	CEILING MOUNTED FIRE ALARM SPEAKER & SIGNAL LIGHT
FS	CEILING MOUNTED FIRE ALARM HORN & SIGNAL LIGHT
F	CEILING MOUNTED FIRE ALARM SPEAKER
L	CEILING MOUNTED FIRE ALARM ADA VISUAL SIGNALING LIGHT
F	FIRE ALARM SIGNAL PULL STATION (46" MH)
S	CEILING MOUNTED SMOKE DETECTOR 4
H	WALL MOUNTED HORN/STROBE
S	DUCT MOUNTED SMOKE DETECTOR
SR	DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT, WALL MOUNTED AT 80" MH, UNLESS NOTED OTHERWISE.
D	ELECTROMAGNETIC DOOR HOLDER (WALL MOUNTED)
R	FIRE ALARM CONTROLLED PROGRAMMABLE RELAY
V	VALVE TAMPER SWITCH
SD	SMOKE DAMPER
FS	FIRE SHUTTER
ANNP	ANNUNCIATOR PANEL
	COMMUNICATIONS
	DATA OUTLET WITH 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE
	TELEPHONE OUTLET WITH 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE
	COMBINATION TELEPHONE/DATA OUTLET IN FLOOR WITH 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE
M	MICROPHONE OUTLET IN WALL
M	MICROPHONE OUTLET IN FLOOR
S	CEILING MOUNTED SPEAKER
B	DOORBELL 4

ELECTRICAL ABBREVIATIONS

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

GENERAL PROJECT NOTES:

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

LIGHTING FIXTURE SCHEDULE

MARK	MFG'R	CATALOG NUMBER	LAMPS QTY.	LAMPS W. & TYPE	VOLTS	MOUNTING	REMARKS
A	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETER-MINED	100W. MAX	120V.	WALL MTD.	FLUORESCENT WALL BRACKET IN GUEST ROOM CORRIDORS -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
B	LITHONIA LIGHTING	LDN6 35/15 LO6AR 120		LED	120V.	RECESS	LED DOWNLIGHT WITH UL WET LABEL - PROVIDE EMERGENCY BATTERY BACK-UP WHERE SHADED.
C	LITHONIA LIGHTING	LDN6 35/15 LO6AR 120		LED	120V.	RECESS	LED DOWNLIGHT IN GUESTROOM ENTRY
D	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	2	32W T8	120V.	WALL MTD ABOVE MIRROR	48" WALL MOUNTED FLUORESCENT FIXTURE -- MTD ON WALL ABOVE GUEST BATHROOM MIRROR
D1	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETERMIN ED	100W. MAX.	120V.	PENDANT	DECORATIVE PENDANT FIXTURE IN RESTROOMS
D2	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETERMIN ED	500W. MAX	120V.	PENDANT	DECORATIVE PENDANT IN LOBBY OASIS
D3	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	TO BE DETERMIN ED	100W MAX.	120V.	PENDANT	DECORATIVE PENDANT IN BUSINESS CENTER
D4	OWNER FURN. CONTRACTOR INSTALLED	OWNER FURN. CONTRACTOR INSTALLED	2	17W T8	120V.	WALL MTD ABOVE MIRROR	24" WALL MOUNTED. FLUORESCENT FIXTURE -- MOUNT ON WALL ABOVE MIRROR IN PUBLIC RESTROOMS 4
EH	COOPER SURE-LITES	APLC7R6	N/A	LED	120V.	WALL MTD.	COMBINATION EXIT SIGN AND TWIN HEAD EMERGENCY LIGHT
EM	LITHONIA	EU2L-M12	N/A	LED	120V.	WALL MTD.	TWIN HEAD EMERGENCY LIGHT
ER	LITHONIA	ECC-R-REM-M6	N/A	LED	120V.	WALL MTD.	WEATHERPROOF REMOTE-MOUNT EMERGENCY LIGHT
EX	LITHONIA	ERE-GY-SGL-WP	N/A	LED	120V.	WALL MTD.	EXIT SIGN, SINGLE OR DOUBLE FACE, ARROWS AS REQUIRED
G	MARK LIGHTING	SPRL 4 G9 N35AS FA NX 120		LED	120V.	COVE	RECESSED LED COVE LIGHT
H	LITHONIA LIGHTING	2GTL4 LP835		LED	120V.	RECESS	2 X 2 LAY-IN FLUORESCENT PARABOLIC TROFFER -- -- FURNISH WITH FLANGE KIT WHERE NECESSARY
K	LITHONIA LIGHTING	WL4 41L D43 LP835 N80 NSPDT7 DIM50		LED	120V.	WALL MTD.	WALL MOUNTED FLUORESCENT FIXTURE IN STAIRWELL
L	LITHONIA LIGHTING	LBL4 LP835		LED	120V.	SURFACE	WRAP AROUND SURFACE MOUNTED FLUORESCENT
M	LITHONIA LIGHTING	2MPL3N G A 3 32 18LD MVOLT 1/3 GEB10PS PWS1836 LP835		LED	120V.	RECESS	2 X 4 LAY-IN FLUORESCENT TROFFER -- -- FURNISH WITH FLANGE KIT WHERE NECESSARY
N	LITHONIA LIGHTING	LDN6 35/15 LO6AR 120		LED	120V.	RECESS	LED DIRECTIONAL EYEBALL
P	HALO (COOPER)	CLI-ET2010400 LV-1419SN	1	MR16	120V.	RECESS	LOW VOLTAGE PINHOLE DOWNLIGHT -- OVER REGISTRATION DESK
Q	DESIGN PLAN	LD6-L 4SS1G	1	LED 1F-1WX6	120V.	RECESS	RECESS DOWNLIGHT IN SOFFIT -- UL WET LABEL
R	LITHONIA LIGHTING	LDN6 35/15 LO6AR 120		LED	120V.	RECESS	RECESSED LOW CLEARANCE CANN -- SUBSTITUTE FOR 'C" ON UPPER FLOOR ELEVATOR LOBBY WITH LOW CLEARANCE
S	LITHONIA LIGHTING	OLVTWM		LED	120V.	WALL MTD.	LED VAPORTITE IN ELEVATOR PIT
T	HADCO	WAB2 B CF226E	2	25W CFL	120V.	WALL MTD.	EXTERIOR BEACON UPLIGHTS -- MTD. ON BEACON STEEL BRACKETS -- VERIFY MTG HEIGHT WITH ARCHITECT
W	LITHONIA	FM4711 GL 10 WH	2	13W, DTT	120V.	WALL MTD.	WALL MOUNTED FLUORESCENT FIXTURE -- MOUNT ABOVE DOOR ON HEADER IN EQUIPMENT AND STORE ROOMS
X	SEE SYMBOLS LEGEND	SEE SYMBOLS LEGEND	N/A	SEE SYMBOLS LEGEND	120V.	SEE SYMBOLS LEGEND	SEE SYMBOLS LEGEND
OA	HYDREL	TPS1 18LED WHT41K MFL YMBL MVOLT WMTL LP		LED	120V.	WALL MTD.	LED EXTERIOR WALL SCONCE WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
OB	BEGA	3308LED		LED	120V.	WALL MTD.	LED EXTERIOR WALL PACK WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
OC	LITHONIA LIGHTING	WST LED 1 10A700/40K SR4 MVOLT DDBXD		LED	120V.	WALL MTD.	LED EXTERIOR WALL SCONCE WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
OD	HYDREL	M9710 A 18LED WKT41K MVOLT MFL FLC20 34B		LED	120V.	IN GROUND FLOOD	MTD. IN-GROUND FIXT. 2'-0" FROM FLAGPOLE OR WALL IN CONCRETE IN STRICT ACCORDANCE WITH MFG'RS WRITTEN RECOMMENDATIONS.
OE	HYDREL	M9710 A 18LED WKT41K MVOLT MFL FLC20 34B		LED	120V.	IN GROUND FLOOD	MTD. IN-GROUND FIXT. 2'-0" FROM FLAGPOLE OR WALL IN CONCRETE IN STRICT ACCORDANCE WITH MFG'RS WRITTEN RECOMMENDATIONS.
OF	AMERICAN LIGHTING	LS-MS-24-100BK	1 LOT	LEDBS14-8WW	120V.	SURFACE STRING	STRING LIGHTS
OG	LITHONIA LIGHTING	DSX0 LED 40C 1000 40K T4M MVOLT SPA DDBXD		LED	208V.	POLE	1-LED ARCHITECTURAL ARM MTD. CUTOFF LUMINAIRE -- PROVIDE 20 FT. POLE -- POLE FINISH TO MATCH FIXTURE -- POLE SHALL MEET 120 MPH WIND REQUIREMENTS -- MT. ON CONCRETE BASE 3FT THAT
OH	LITHONIA LIGHTING	DSX0 LED 40C 1000 40K T4M MVOLT SPA DDBXD		LED	208V.	POLE	3-LED ARCHITECTURAL ARM MTD. CUTOFF LUMINAIRE -- PROVIDE 20 FT. POLE -- POLE FINISH TO MATCH FIXTURE -- POLE SHALL MEET 120 MPH WIND REQUIREMENTS -- MT. ON CONCRETE BASE 3FT THAT
OK	LITHONIA LIGHTING	DSXW1LED 20C 700 40K T4M MVOLT DDBXD		LED	120V.	WALL MTD.	LED EXTERIOR WALL SCONCE WITH WET UL LABEL -- VERIFY MOUNTING HEIGHT WITH ARCHITECT.
FFE1	WALL SCONCE	WALL SCONCE	1	100W MAX.	120V.	WALL	FURNISHED BY F.F.E. SUPPLIER - INSTALLED BY ELECTRICAL CONTRACTOR

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

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

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - LEGEND, NOTES, & SPECS

Phase
Construction Documents

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

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HOME2suites Vicksburg

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SPECIFICATIONS & NOTES

1. GENERAL: FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR A COMPLETE INSTALLATION OF ELECTRICAL WIRING. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT, GENERAL CHARACTER, AND THE APPROXIMATE LOCATION OF THE WORK TO PERFORMED. OMISSIONS OF THE DETAILS OF WORK, MOUNTING HARDWARE, FITTING, J-BOXES, OUTLET BOXES, PULL BOXES, SUPPORTS, CONNECTORS, ACCESSORIES, AND/OR ADAPTORS WHICH ARE EVIDENTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, SHALL BE PROVIDED. CONNECT ALL ELECTRICAL EQUIPMENT WHETHER FURNISHED BY ELECTRICAL CONTRACTOR OR BY OTHERS AND WHETHER SHOWN ON PLANS OR NOT. INSTALL AND CONNECT ALL STARTERS FURNISHED BY THIS CONTRACTOR OR OTHERS. FURNISH, INSTALL, AND CONNECT DISCONNECTS AND SAFETY SWITCHES FOR ALL ELECTRICAL EQUIPMENT WHETHER FURNISHED BY THIS CONTRACTOR OR OTHERS AND WHERE REQUIRED BY NEC. BEFORE INSTALLING RACEWAYS FOR MOTORS, APPLIANCES, HVAC AND/OR OTHER EQUIPMENT PROVIDED BY OTHERS VERIFY LOCATIONS AND ARRANGE RACEWAYS ACCORDINGLY. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL PLANS BEFORE ROUGHING IN LIGHT SWITCHES. WHERE NO RACEWAY SIZES OR WIRE SIZES ARE SHOWN INSTALL AS REQUIRED BY NEC. VERIFY POWER AND CONNECTION REQUIREMENTS FOR ALL EQUIPMENT BEFORE INSTALLATION. WIRE AS REQUIRED BY EQUIPMENT MANUFACTURER AND IN COMPLIANCE WITH NEC. OBTAIN MOCP AND MCA INFORMATION FROM ACTUAL EQUIPMENT BEING INSTALLED AND CIRCUIT ACCORDINGLY. ALL CIRCUIT BREAKERS SUPPLYING HVAC EQUIPMENT SHALL BE HACR TYPE. ALL WORK SHALL COMPLY WITH APPLICABLE LAWS OF THE COMMUNITY AND WITH THE NEC. OBTAIN AND PAY FOR ALL PERMITS REQUIRED. OBTAIN APPROVAL FOR ALL WORK INDICATED ON PLANS AND IN SPECIFICATIONS FROM ALL AGENCIES AND AUTHORITIES HAVING JURISDICTION. AFTER COMPLETION OF THE WORK, SUBMIT CERTIFICATE OF FINAL INSPECTION AND APPROVAL FROM THE LOCAL ELECTRICAL INSPECTOR AND LOCAL FIRE DEPARTMENT AUTHORITIES CERTIFYING THAT THE INSTALLATION COMPLIES WITH ALL REGULATIONS GOVERNING THE SAME. ALL MATERIALS SHALL BE NEW AND UL LISTED. EXECUTE ALL WORK IN A WORKMANLIKE MANNER SO AS TO PRESENT A NEAT AND MECHANICAL APPEARANCE WHEN COMPLETED.

2. COORDINATION: COORDINATE WORK SO AS TO CONFORM TO THE PROGRESS OF THE WORK OF THE OTHER TRADES, AND COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE CONDITION OF THE BUILDING PERMITS. SOME SAFETY DISCONNECT SWITCHES MAY BE PROVIDED BY THE MECHANICAL CONTRACTOR BUT INSTALLED AND CONNECTED BY THE ELECTRICAL CONTRACTOR. THE WORK SHALL BE COORDINATED BY THE ELECTRICAL CONTRACTOR.

3. INTERFERENCE: IN THE EVENT THAT INTERFERENCES OR CONFLICTS DEVELOP, THE ARCHITECT SHALL DECIDE WHICH EQUIPMENT SHALL BE RELOCATED AT NO COST TO OWNER REGARDLESS OF WHICH WAS FIRST INSTALLED.

4. CUTTING AND PATCHING: PROVIDE CUTTING AND PATCHING, UNDER THE SUPERVISION OF THE GENERAL CONTRACTOR, AS REQUIRED FOR ELECTRICAL WORK. COORDINATE WITH OTHER TRADES AS WORK PROGRESSES SO CUTTING AND PATCHING WILL NOT BE REQUIRED OR BE MINIMAL.

5. SUBMITTALS: WITHIN TWENTY (20) DAYS AFTER AWARD OF CONTRACT, SUBMIT SIX (6) COPIES OF MANUFACTURER'S DRAWINGS TO THE ARCHITECT FOR REVIEW OF THE FOLLOWING ITEMS: PANELBOARDS, LIGHT FIXTURES, DISCONNECT SWITCHES, FIRE ALARM SYSTEM (COMPLETE WITH PLAN SHOWING WIRING/ CONDUIT).

6. TESTING: UPON COMPLETION OF THE WORK, CONDUCT A THOROUGH TEST IN THE ARCHITECT'S PRESENCE, AND SHOW THE ENTIRE SYSTEM TO BE IN PERFECT WORKING CONDITION.

7. GUARANTEE: GUARANTEE THAT ALL WORK EXECUTED UNDER THESE SPECIFICATIONS AND PLANS WILL BE FREE FROM DEFECTS OF WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THIS WORK. PROMPTLY REPAIR, REPLACE, OR OTHERWISE MAKE GOOD, UPON NOTIFICATION, ANY DEFECT BECOMING APPARENT DURING THIS PERIOD, AT NO COST TO THE OWNER.

8. TEMPORARY SYSTEMS: THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING EQUIPMENT AND MATERIALS NECESSARY FOR PROVIDING ELECTRICAL POWER WHERE NEEDED FOR THE CONSTRUCTION OF THE PROJECT IN ACCORDANCE WITH ALL OSHA REGULATIONS.

9. SITE VISIT: BEFORE SUBMITTING A BID, VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS. MAKE SUCH ADJUSTMENTS TO WORK AS REQUIRED BY THE ACTUAL CONDITIONS ENCOUNTERED.

10. SERVICE ENTRANCE: IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO VERIFY THAT THE LOCATION, ARRANGEMENT, VOLTAGE, PHASE AND CONNECTIONS TO UTILITY SERVICE, AS WELL AS THE REQUIRED METERING EQUIPMENT, ARE COORDINATED WITH AND IN ACCORDANCE WITH REQUIREMENTS OF THE LOCAL POWER COMPANY. IF THE REQUIREMENTS ARE AT VARIANCE WITH THESE DRAWINGS OR SPECIFICATIONS, THE CONTRACT PRICE SHALL INCLUDE ANY ADDITIONAL COST NECESSARY TO MEET THOSE REQUIREMENTS WITHOUT EXTRA COST TO THE OWNER AFTER THE CONTRACT IS ENTERED INTO. NOTIFY ARCHITECT OF ANY CHANGES REQUIRED BEFORE PROCEEDING WITH WORK. ANY CHARGES BY THE UTILITY COMPANY FOR THE ELECTRICAL SERVICE TO THE FACILITY SHALL BE INCLUDED IN THE BID PRICE.

11. CONDUIT PENETRATIONS: WHERE CONDUITS AND OTHER ELECTRICAL EQUIPMENT RACEWAYS PASS THROUGH FIRE PARTITIONS, FIRE WALLS OR FLOORS, INSTALL A FIRE STOP THE PROVIDES AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FIRE, SMOKE, AND GASES AND WHICH MAINTAINS THE FIRE RATING OF THE WALL WHICH HAS BEEN PENETRATED. WHERE EXTERIOR WALLS OR FLOORS ARE PENETRATED PROVIDE COMPLETER WEATHERPROOFING OF PENETRATION. FURNISH ROOF FLASHING FOR ALL CONDUIT OR EQUIPMENT WHICH PENETRATES ROOF.

12. LIGHT FIXTURES: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT TYPE CEILING, TYPE FIXTURE MOUNTING AND TRIM, AND RECESSING DEPTH OF ALL RECESSED FIXTURES PRIOR TO PURCHASING ANY FIXTURES. REGARDLESS OF PART NUMBERS IDENTIFIED ON THE LIGHT FIXTURE SCHEDULE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE PROPER OPERATING VOLTAGE OF LIGHT FIXTURES ACCORDING TO THE PLANS PRIOR TO PURCHASING ANY FIXTURES. EQUIVALENT FIXTURES SUBSTITUTES BY LITHONIA, COOPER LIGHTING, AND HUBBELL WILL BE ACCEPTED. PROVIDE LAMPS FOR ALL FIXTURES. LAMPS SHALL BE MANUFACTURED BY GE, OSRAM- SYLVANIA, OR PHILLIPS. FLUORESCENT BALLASTS SHALL BE HIGH FREQUENCY ELECTRONIC TYPE BY MAGNETIC TRIAD, LUTRON, OSRAM- SYLVANIA OR MOTOROLA AND SHALL HAVE A 5 YEAR WARRANTY. BF SHALL BE GREATER THAN .9, THD SHALL BE LESS THAN 20%, CF GREATER THAN 1.7 AND PF GREATER THAN .93. HID LAMPS BALLASTS SHALL BE HIGH POWER FACTOR (.90 OR GREATER) TYPE. HID LAMPS SHALL BE CERAMIC TYPE. PROVIDE ALL MOUNTING HARDWARE, ADAPTORS, AND ACCESSORIES AS REQUIRED. UON, CENTER ALL DOWNLIGHTS AND WALLWASHERS ON CEILING TILE.

13. BUILDING WIRES & CABLE: INTERIOR WIRE SHALL BE COPPER THHN, #12 AWG MINIMUM TYPE "XHHW" COPPER SHALL BE USED EXTERIOR OR UNDERGROUND. CONDUCTORS #10 AND #12 SHALL BE SOLID. LARGER SIZES SHALL BE STRANDED. CONTROL AND SIGNAL WIRE SHALL BE TYPE "TFF" COPPER, MINIMUM SIZE #16. JOINTS AND SPLICES IN WIRE SHALL BE MADE WITH SOLDERLESS CONNECTORS, AND COVERED SO THAT INSULATION IS EQUAL TO CONDUCTOR INSULATION. WIRE NUTS SHALL NOT BE USED FOR CONDUCTOR #8 AND LARGER. NO SPLICES SHALL BE PULLED INTO CONDUIT. BOTH CONNECTORS AND CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET. ALL CONDUITS SHALL HAVE BUSHING WITH SMOOTH BEVELED THROATS INSTALLED AT BOTH ENDS PRIOR TO INSTALLING CONDUCTORS. CIRCUITS MAY BE COMBINED IF CONDUIT SIZES ARE ADJUSTED WHERE NECESSARY AND NEC DERATING FACTORS ARE OBSERVED. BRANCH CIRCUIT WIRE GAUGES SHALL BE INCREASED AS REQUIRED FOR A MAXIMUM OF 3% VOLTAGE DROP. TYPE MC CABLE MAY BE USED AS PERMITTED BY ARTICLE 330 OF NEC.

14. CONDUIT: ALL WIRING SHALL BE IN RACEWAYS, MINIMUM 1/2" DIAMETER. USE EMT FOR GENERAL INTERIOR WORK. RIGID GALVANIZED STEEL OR INTERMEDIATE METAL CONDUIT SHALL BE USED IN FLOOR SLABS, WHERE EMBEDDED IN CONCRETE, AREAS EXPOSED TO MOISTURE, AREAS IN DANGER OF MECHANICAL INJURY AND HAZARDOUS AREAS. PVC SCHEDULE 40 (3/4" MINIMUM DIAMETER) SHALL BE USED BELOW GRADE WITH STEEL TRANSITIONS THRU SLABS. USE FLEXIBLE METAL CONDUIT CONNECTIONS TO MOTORS, TRANSFORMERS AND OTHER VIBRATING EQUIPMENT. EXTERIOR FLEW SHALL BE LIQUIDTIGHT. EMT CONDUIT FITTINGS SHALL BE SET-SCREW TYPE. ALL EXPOSED CONDUIT SHALL BE PAINTED TO MATCH SURFACE UPON WHICH IT IS INSTALLED. INTERIOR WIRING AS SHOWN ON PLANS WILL TYPICALLY BE CONCEALED IN CEILINGS WALLS OR FLOORS EXCEPT IN MECHANICAL/ ELECTRICAL ROOMS, JANITOR CLOSETS, UNFINISHED ROOMS AND OTHER SUCH ROOM WHERE CONDUITS ARE TYPICALLY EXPOSED. WHERE NO RACEWAY SIZES OR WIRE SIZES ARE SHOWN ON PLAN PROVIDE AND INSTALL AS REQUIRED BY NEC.

15. DEVICE PLATES: COVER PLATES SHALL BE SMOOTH NYLON W/ COLOR MATCHING DEVICES. VERIFY COLOR W/ FF&E FINISH SCHEDULE. FOR UNFINISHED AREAS EXPOSED CONDUIT, COVER PLATES SHALL BE GALVANIZED STEEL WITH BEVELED EDGES.

SPECIFICATIONS & NOTES

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

17. OUTLET BOXES: EXCEPT AS NOTED, BOXES SHALL BE STANDARD GALVANIZED OR SHERADIZED AT LEAST 1 1/2 INCHES DEEP OR AS NOTED IN PLANS, OF METAL AT LEAST 1 1/16 INCH THICK; SIZED TO ACCOMMODATE DEVICES AND CONDUCTOR AS PER NEC ARTICLE 370. COORDINATE DEPTH WITH WALL CONSTRUCTION. BOXES USED WITH EXPOSED CONDUIT SHALL BE 4-INCH SQUARE UTILITY BOXES. EXTERIOR BOXES SHALL BE GALVANIZED CAST-IRON WITH GASKETS AND APPROPRIATE FITTINGS. BOXES SHALL BE PROVIDED WITH APPROVED 3/8" FIXTURE STUDS WHERE REQUIRED. EXCEPT WHERE LOCATED IN CONCRETE BLOCK, SWITCH AND RECEPTACLE BOXES SHALL BE 4" SQUARE FOR SINGLE GANG INSTALLATION. APPROPRIATE GANG BOXES SHALL BE USED FOR MOUNTING GANGED SWITCHES.

18. WIRING DEVICES: SWITCHES SHALL BE A.C. TYPE AS MADE BY HUBBELL, P & S, G.E. OR LEVITON. RECEPTACLES SHALL BE HUBBELL, BRYANT, P & S, G.E. OR LEVITON. COLOR SHALL BE SELECTED BY FF&E FINISH SCHEDULE. PROVIDE MATCHING PLUGS FOR SPECIAL PURPOSE RECEPTACLES WHEN REQUIRED FOR CONNECTION EQUIPMENT. ALL RECEPTACLES IN TOILETS, WITHIN 6 FT. OR SINKS. IN COMMERCIAL KITCHENS AND IN EXTERIOR LOCATIONS SHALL BE GFI TYPE. EXTERIOR RECEPTACLES SHALL HAVE WEATHERPROOF AND GASKETED COVERS. ALL RECEPTACLES IN GUEST ROOMS SHALL BE TAMPERPROOF.

19. PANELBOARDS: PANELBOARDS SHALL BE OF A DEAD-FRONT SAFETY TYPE EQUIPPED WITH THERMAL MAGNETIC CASE CIRCUIT BREAKERS WITH FRAME AND TRIP RATINGS AS SHOWN ON THE SCHEDULE. CIRCUIT BREAKER SHALL BE QUICK-MAKE, QUICK-BREAK, THERMAL MAGNETIC TRIPS INDICATING AND SHALL HAVE COMMON TRIP ON ALL MULTIPOLE BREAKERS. CONNECTION TO THE BUSS SHALL BE BOLT ON. TERMINALS FOR FEEDER CONDUCTORS TO THE PANELBOARD MAINS AND NEUTRAL SHALL BE UL LISTED AS SUITABLE FOR THE TYPE OF CONDUCTOR SPECIFIED. TERMINALS FOR BRANCH CIRCUIT WIRING, BOTH BREAKER AND NEUTRAL, SHALL BE UL LISTED AS SUITABLE FOR THE CONDUCTOR SPECIFIED. PANELBOARDS NOT SHOWN TO BE RATED FOR SERVICE ENTRANCE SHALL BE EQUIPPED WITH AN ISOLATED NEUTRAL AND A GROUNDING BUSS. THE PANELBOARD FRONT SHALL BE OF HINGED FRONT TYPE WITH DOORS EQUIPPED WITH FLUSH-BRUSHED STEEL, CYLINDER TUMBLER-TYPE LOCKS WITH CATCHES AND SPRING-LOADED DOOR PULLS. THE FLUSH LOCK SHALL NOT PROTRUDE BEYOND THE FRONT OF THE DOOR. ALL PANELBOARD LOCKS SHALL BE KEYED ALIKE. A CIRCUIT DIRECTORY FRAME AND CARD WITH CLEAR PLASTIC COVERING SHALL BE PROVIDED ON THE INSIDE OF THE DOOR. PANELBOARDS SHALL BE RATED FOR USE AS SERVICE ENTRANCE EQUIPMENT WHERE REQUIRED BY NEC. FOR ALL FLUSH INSTALLED PANELBOARDS INSTALLS FIVE SPARE EMPTY 3/4" CONDUITS STUBBED TO THE ABOVE CEILING SPACE. PANELBOARDS SHALL BE BY GENERAL ELECTRIC, SQUARE "D", OR CUTLER-HAMMER. LOAD CENTERS SHALL NOT BE USED UNLESS INDICATED ON PLANS.

20. SAFETY SWITCHES/DISCONNECTS: SAFETY SWITCHES AND DISCONNECT SWITCHES SHALL BE TYPE HD BY CUTLER-HAMMER, SQUARE "D" OR GENERAL ELECTRIC. LOCATE DISCONNECTS ADJACENT TO EQUIPMENT ON SUITABLE STRUCTURE. A DISCONNECT SHALL NOT BE REQUIRED OTHER THAN THE CB WHICH PROVIDES POWER TO EQUIPMENT WHEN THE EQUIPMENT IS WITHIN SIGHT AND NOT GREATER THAN 50 FEET FROM CB. VERIFY DISCONNECT SIZE FROM EQUIPMENT NAMEPLATE DATA. MOUNT DISCONNECTS FOR OUTSIDE HVAC UNITS NO HIGHER THAN HEIGHT OF UNIT. PROVIDE CLEARANCES AS REQUIRED BY NEC 110.26.

21. GROUNDING: ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH LOCAL REGULATIONS AND NATIONAL ELECTRICAL CODE. INSTALL A GREEN EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS.

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

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

24. OUTLETS AND CONDUIT FOR OTHER TRADES: PROVIDE CONCEALED 4" SQUARE (OR SMALLER WHEN REQUIRED) OUTLET BOXES WITH EMPTY PLUMBING CONTRACTORS. COORDINATE REQUIREMENTS WITH EACH CONTRACTOR. WHETHER SHOWN ON PLANS OR NOT, PROVIDE A WP, GFI RECEPTACLE LOCATED WITHIN 25" OF ALL EXTERIOR HVAC EQUIPMENT.

25. VERIFY: THE WORD "VERIFY" WHEN USED IN PLANS SHALL MEAN TO VERIFY LOCATION AND WIRING REQUIREMENTS BEFORE CIRCUITING AND CIRCUIT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN COMPLIANCE WITH NEC.

26. DATA, CABLE TV, TELEPHONE: FOR CABLE TV OUTLETS, DATA OUTLETS, AND TELEPHONE OUTLETS THE WIRING, JACKS, AND FACEPLATES WILL BE PROVIDED BY OTHERS UNLESS OTHERWISE NOTED. MOUNT INDIVIDUAL DATA OUTLETS, TELEPHONE OUTLETS AND CABLE TV OUTLETS AT EXACTLY THE SAME HEIGHT AS RECEPTACLES UNLESS NOTED OTHERWISE.

27. NEC: "NEC" REFERS TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE WHICH HAS BEEN ADOPTED INTO LOCAL BUILDING CODE BY AGENCIES AND AUTHORIZES HAVING JURISDICTION.

28. EXTERIOR ENCLOSURES: ALL EXTERIORS ENCLOSURES OR ENCLOSURES EXPOSED TO MOIST CONDITIONS SHALL BE RATED NEMA 3R OR RATED FOR USE IN DAMP OR WET CONDITIONS AS EACH CASE REQUIRES.

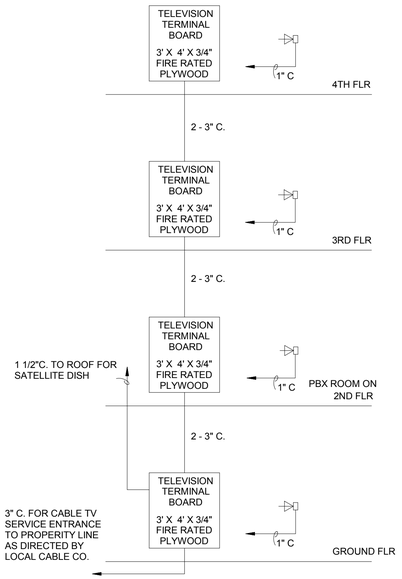
29. UNDERGROUND INSTALLATIONS: WHERE CONDUIT IN INSTALLED BELOW GRADE, THE MINIMUM BURIAL DEPTH SHALL BE 24" UNLESS INSTALLED UNDER BUILDING SLAB (WHERE THERE IS NO MINIMUM BURIAL DEPTH). WHERE RIGID CONDUIT IS INSTALLED BELOW GRADE, COAT CONDUIT AND COUPLINGS WITH (2) COATS OF ASPHALTUM PAINT. UNDERGROUND PRIMARY CONDUIT INSTALLED IN COORDINATION WITH POWER COMPANY SHALL BE INSTALLED AT DEPTH AS DIRECTED BY POWER COMPANY. AVOID ALL EXISTING UTILITIES. ANY EXISTING UTILITIES DAMAGED SHALL BE REPAIRED AT CONTRACTORS EXPENSE AND AS DIRECTED BY ARCHITECT. RESTORE ANY DAMAGE PAVING TO MATCH EXISTING.

30. IDENTIFICATION: PROVIDE 1" HIGH LAMINATE PHENOLIC NAMEPLATES PERMANENTLY INSTALLED (WITH 3/8" HIGH WHITE LETTERS ON BLACK) ON THE FRONT OF ALL DISCONNECT SWITCHES, CB ENCLOSURES, PANELBOARDS, CONTACTORS, TRANSFORMERS, TRANSIENT VOLTAGE SURGE SUPPRESSORS AND STARTERS.

31. CLEANING UP: DURING THE PROGRESS OF WORK, KEEP THE OWNER'S PREMISE IN A NEAT AND ORDERLY CONDITION, FREE FROM ACCUMULATION OF DEBRIS RESULTING FROM THIS WORK. AT THE COMPLETION OF THE WORK, REMOVE ALL MATERIAL, SCRAP, ETC. NOT A PART OF THIS CONTRACT.

32. OPERATING & MAINTENANCE INSTRUCTIONS: TURN OVER TO THE ARCHITECT ONE SET OF ALL EQUIPMENT CATALOGS AND MAINTENANCE DATA. EXPLAIN AND DEMONSTRATE THE ELECTRICAL SYSTEMS TO OWNER AND/OR OWNER'S REPRESENTATIVE.

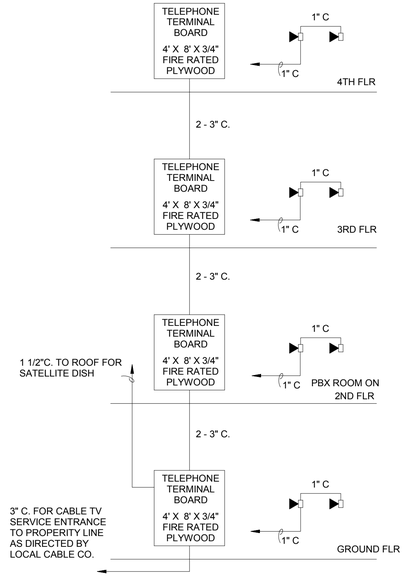
1 SPECIFICATIONS & NOTES
1/8" = 1'-0"



TELEVISION CONDUIT DIAGRAM

SCHEMATIC --- NO SCALE

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



TELEPHONE CONDUIT DIAGRAM

SCHEMATIC --- NO SCALE

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

INNOVATIVE • ENGINEERING SERVICES, LLC

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - COMMUNICATIONS RISERS & DETAILS

Phase
Construction Documents

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

Sheet No.
E407

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HOME2suites Vicksburg

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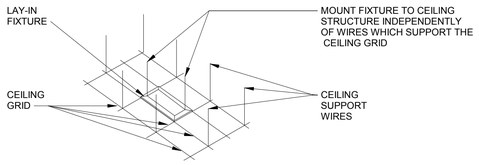


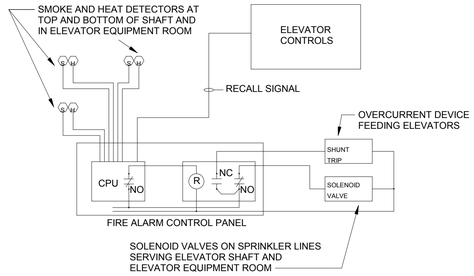
NOTES:
1.) HANGER WIRES SHALL BE A MINIMUM OF 18 GAUGE.
2.) HANGER WIRES SHALL BE ATTACHED AT DIAGONAL CORNERS.
3.) HANGER WIRES SHALL BE INDEPENDENT OF CEILING GRID SUPPORT WIRES.

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

NOTE:

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

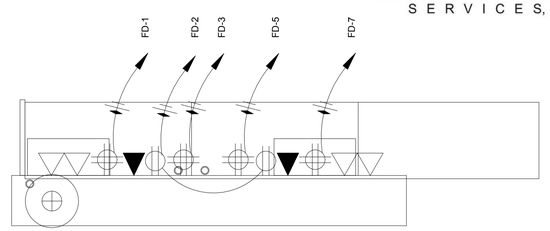
THE SMOKE DETECTORS IN THE ELEVATOR LOBBIES SHALL ALSO INITIATE THE ELEVATOR RECALL CONTROLS.



ELEVATOR CIRCUIT BREAKER AND SOLENOID VALVE CONTROLS

SCHEMATIC -- NO SCALE

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

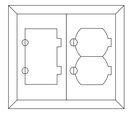


NOTE:
SEE ARCHITECTURAL INTERIOR INTERIOR PLANSFOR ELEVATION VIEW OF OUTLETS AND FOR EXACT LOCATIONS AND HEIGHTS OF OUTLETS IN FRONT DESK.

LARGE SCALE FRONT DESK PLAN

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

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

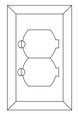


NOTES:
1.) PROVIDE HUBBELL #B4233 CAST IRON BOX WITH #SB3084 CARPET FLANGE IF REQUIRED.
2.) US NEMA 5-20R RECEPTALE FOR POWER.
3.) PROVIDE HUBBEL #S3825 COVER PLATE FOR POWER.
4.) PROVIDE HUBBELL #S3826 COVER PLATE FOR DATA OR TELEPHONE.

SYMBOL

FLOOR BOX DETAIL

SCHEMATIC -- NO SCALE



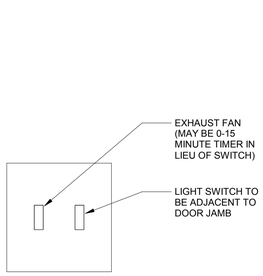
NOTES:
1.) PROVIDE HUBBELL #B4236 CAST IRON BOX WITH #SB3083 CARPET FLANGE IF REQUIRED.
2.) US NEMA 5-20R RECEPTALE FOR POWER.
3.) PROVIDE HUBBEL #S3825 COVER PLATE FOR POWER.
4.) PROVIDE HUBBELL #S3826 COVER PLATE FOR DATA OR TELEPHONE.

SYMBOL

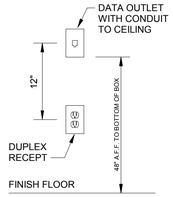
FLOOR BOX DETAIL

SCHEMATIC -- NO SCALE

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



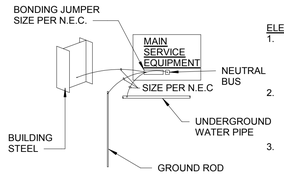
5 WALL SWITCH DETAIL
N.T.S.



TIME CLOCK OUTLET DETAIL

NOT TO SCALE

6 TIME CLOCK OUTLET
1/8" = 1'-0"



ELECTRICAL SYSTEM GROUNDING & BONDING

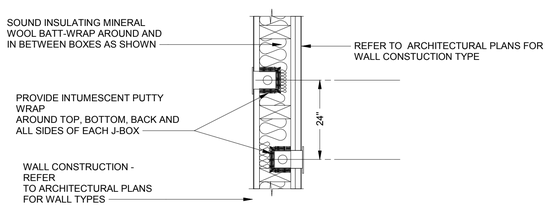
1. THE GROUNDING ELECTODE CONDUCTOR AT THE MAIN SERVICE EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-50 OF THE N.E.C. AND AS SHOWN ON THE ADJACENT SKETCH.
2. THE MAIN BONDING JUMPER AT THE MAIN SERVICE EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-102 OF THE N.E.C. AND AS SHOWN ON ADJACENT SKETCH.
3. EQUIPMENT GROUNDING CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS MAY BE A COPPER OR CORROSION RESISTANT CONDUCTOR, RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, ELECTRICAL METALLIC TUBING, OR THE METALLIC SHEATH OR COMBINED METALLIC SHEATH AND GROUNDING CONDUCTORS OF TYPE MC CABLE.
4. WHERE A SEPERATE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-122 OF THE N.E.C. AND THE FOLLOWING TABLE:

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

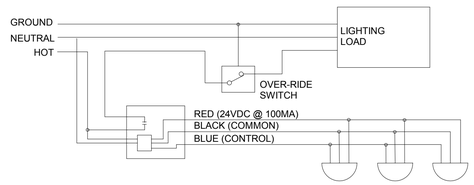
5. GROUND SERVICE TO WATER PIPE, GROUND ROD, AND CONCRETE ENCASED ELECTRODE WITH ARTILCE 250 OF THE N.E.C.

7 GROUNDING & BONDING
N.T.S.

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



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



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

TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM

SCHEMATIC -- NO SCALE

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

INNOVATIVE • ENGINEERING SERVICES, LLC

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REVISIONS		
No.	Date	Description

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

KEY PLAN

Pramukh Vicksburg. LLC

HOME2suites Vicksburg

Berryman Road
Vicksburg, MS 39180

Drawing Title
ELECTRICAL - DETAILS

Phase
Construction Documents

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

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