
SECTION 00 91 13
ADDENDUM NO. 2

DATE: September 3, 2015

RE: BBS Level 6 Vivarium Buildout
UT Behavioral and Biomedical Science Building (BBS)
WHR Project No. G15303-00

FROM: WHR Architects, Inc.
1111 Louisiana, 26th Floor
Houston, TX 77002

TO: Invited Bidders

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated August 12, 2015 as noted below.

This Addendum consists of 2 page plus attachments.

CHANGES TO DRAWINGS:

- 2.01 Sheet AD106, Delete Keynote 133, not used
- 2.02 Sheet A604, Remove Wall Bumper, 1270CV, 626, and TR from Door Hardware Set #7
- 2.03 Sheet A610, Change Hardware Set for Door 6270D to Hardware Set 7. Change Note 3 in Comments to Door Schedule to read: DOORS TO HAVE RED TINTED GLAZING, TYPE SG-1, SECTION 08 80 00.
- 2.04 Sheet LF001, Specialty Equipment Schedule, change EQ110 to CFCI and change description to Single Station Downdraft Bedding Scrapping Station.
- 2.05 Sheet LF406, Change Keynote 813 to read: STAINLESS STEEL ACCESS PANEL, 30" WIDE x 48" TALL, MOUNT AT 6 ½" A.F.F.
- 2.06 Sheet G001, Add sheet PH106: PHASING PLAN LEVEL 6 to drawing list.

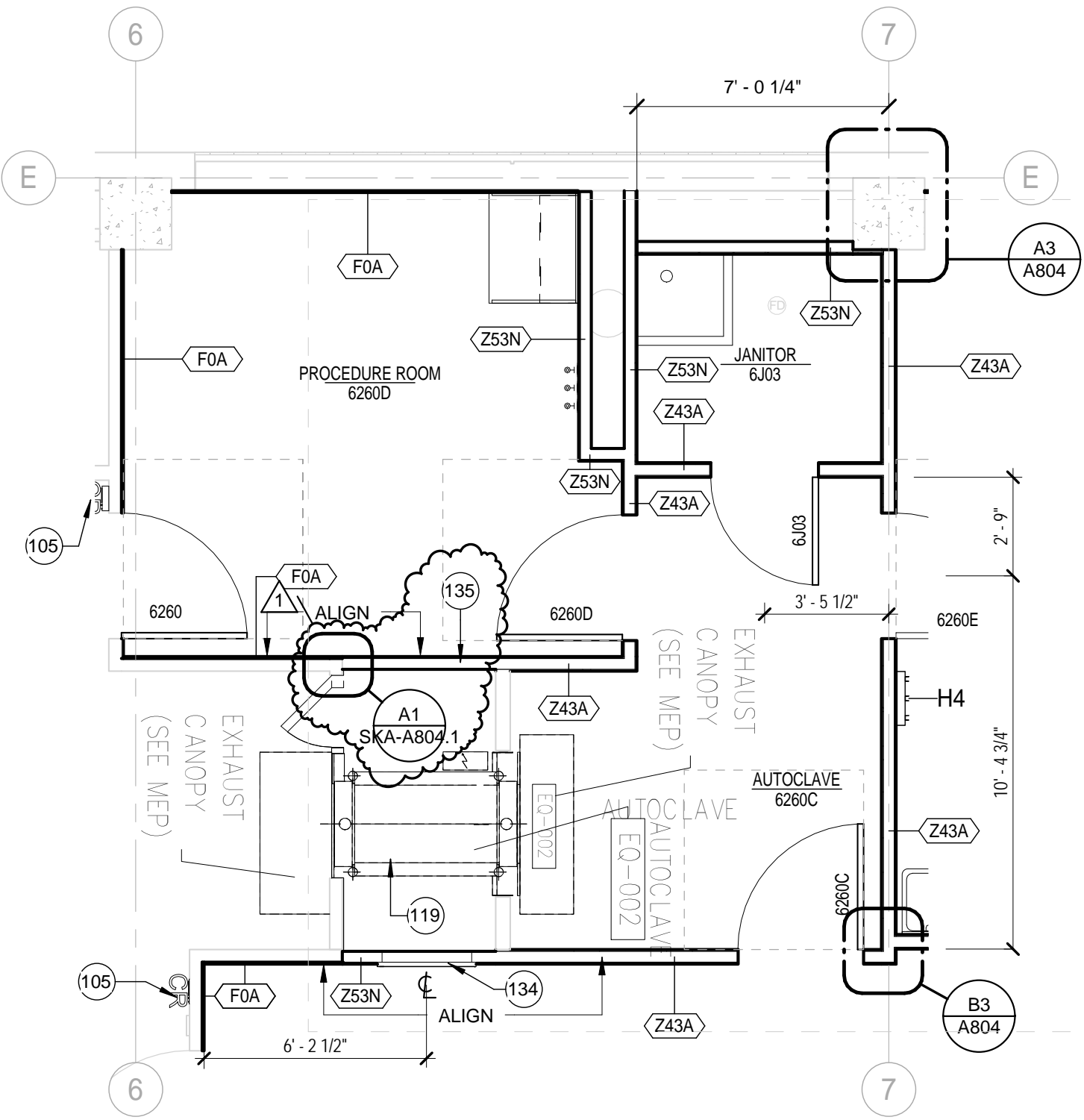
ISSUED DRAWINGS:

- 2.07 The following 11" by 17" Drawings are issued herewith:
 - SKA-AR106.1 – Partial Reflected Ceiling Plan – Level 6
 - SKA-A406.1 – Partial Enlarged Architectural Floor Plan
 - SKA-A804.1 – Partial Interior Details
 - SKA-LF407.1 – Partial Enlarged Cage Wash Lab Plan
- 2.08 The following 30" by 42" Drawings are issued herewith:
 - PH106

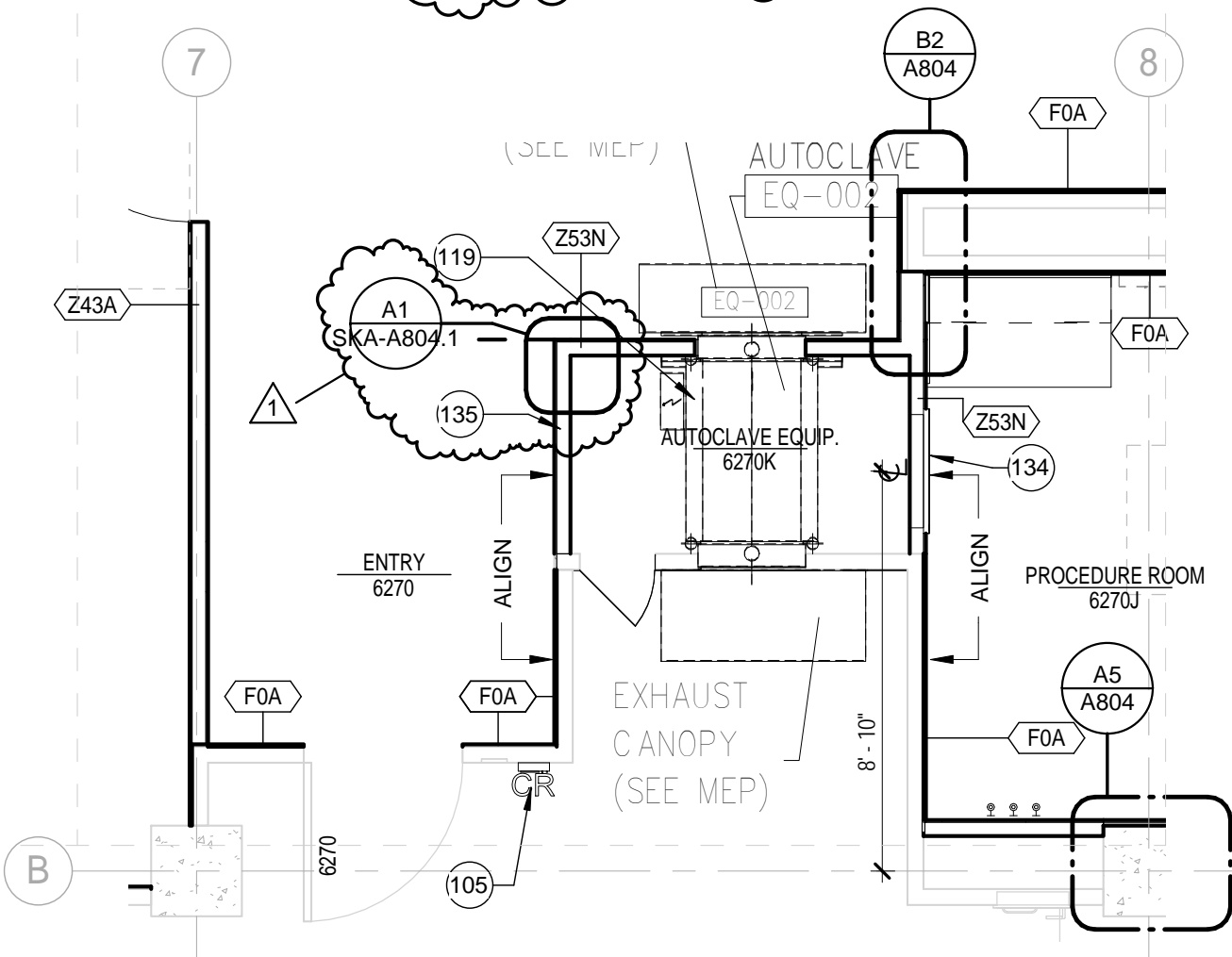
REVISED DRAWINGS:

- 2.09 The following 30" by 42" Drawings are revised and reissued herewith:
 - M206.C, M600
 - E-400

END OF ADDENDUM NO. 2



A1 ENLARGED LEVEL 6 FLOOR PLAN
SCALE: 1/4" = 1'-0"



A2 ENLARGED LEVEL 6 FLOOR PLAN
SCALE: 1/4" = 1'-0"

NOTES TO SHEET	
105	NEW CARD READER, REFER TO A610 FOR HARDWARE TYPE
119	EXISTING AUTOCLAVE TO REMAIN. PROTECT EQUIPMENT FROM DAMAGE DURING CONSTRUCTION
134	STAINLESS STEEL ACCESS PANEL, 30" WIDE x 48" TALL, MOUNT AT 6 1/2" A.F.F.
135	STAINLESS STEEL PARTITION AND ACCESS PANEL, ACCESS PANEL 30" WIDE x 108" TALL, CENTER THE PANEL AND MOUNT AT 6" A.F.F., RE: SHEET LF406 FOR LOCATION AND SHEET LF001 FOR EQUIPMENT LIST



9/10/2015

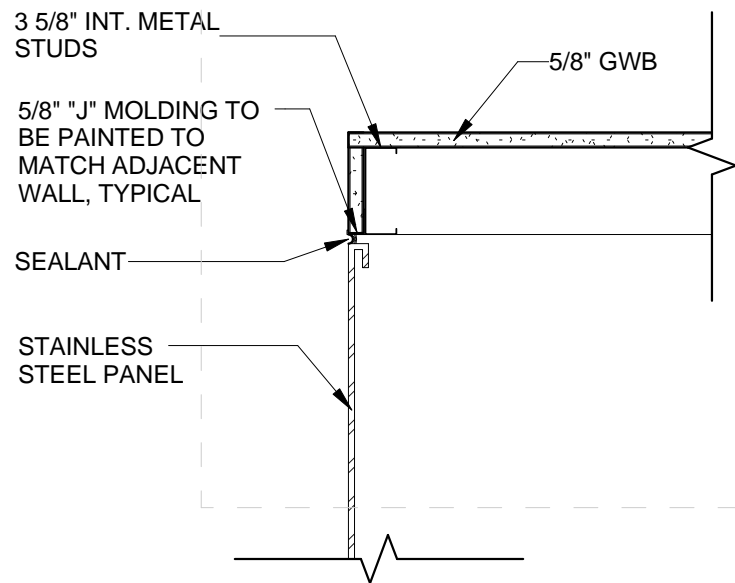
WHR ARCHITECTS
1111 Louisiana 26th Floor
Houston, TX 77002
T 713 665 5665 whrarchitects.com

OWNER:
BBS Level 6 Vivarium Buildout
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PROJECT TITLE:
Behavioral and Biomedical Science Building (BBS)
SHEET TITLE:
PARTIAL ENLARGED ARCHITECTURAL FLOOR PLAN

PROJECT NO.
G15303-00
PHASE:
CD'S/ADD#2
DATE: 09/10/15
SCALE: 1/4" = 1'-0"

RE:
A406
SHEET NUMBER:
SKA-A406.1

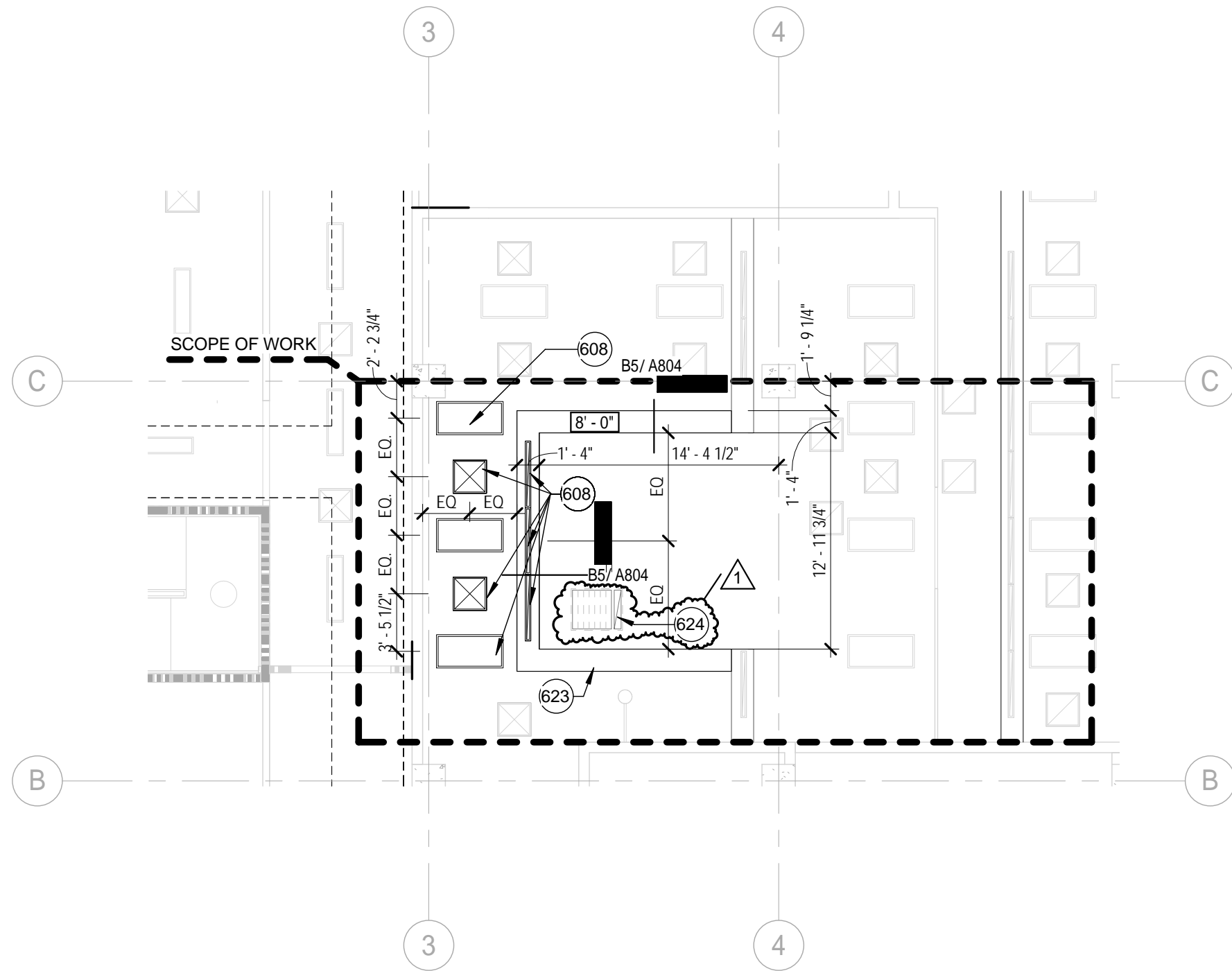


A1 PARTIAL CORNER COND. AT STAINLESS STEEL PANEL
 SCALE: 1 1/2" = 1'-0"



9/10/2015

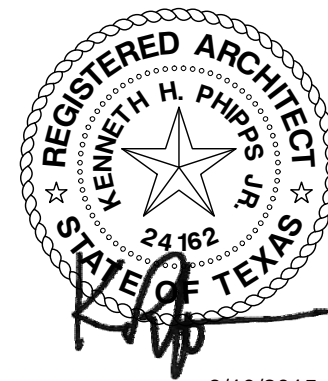
WHR ARCHITECTS 1111 Louisiana 26th Floor Houston, TX 77002 T 713 665 5665 whrarchitects.com	OWNER: BBS Level 6 Vivarium Buildout	PROJECT TITLE: Behavioral and Biomedical Science Building (BBS)	PROJECT NO. G15303-00	RE: A804
	Copyright © WHR Architects, Inc.	SHEET TITLE: PARTIAL INTERIOR DETAILS	PHASE: CD'S/ADD#2	SHEET NUMBER: SKA-A804.1
			DATE: 09/10/15 SCALE: 1 1/2" = 1'-0"	



NOTES TO SHEET	
608	CLEAN EXISTING RELOCATED LIGHT FIXTURES AND MEP DEVICES BEFORE RE-INSTALLATION
623	NEW GYPSUM BOARD FURR DOWN CEILING, MATCH EXISTING FURR DOWN CEILING AND HEIGHT ABOVE FINISH FLOOR, PATCH AND REPAIR FOR CONTINUOUS CLEAN LINE
624	NEW SINGLE STATION DOWNDRAFT BEDDING SCRAPPING STATION, COORDINATE EXHAUST LOCATION WITH MECHANICAL, RE: SHEET LF407 FOR LOCATION AND LF001 FOR EQUIPMENT SCHEDULE

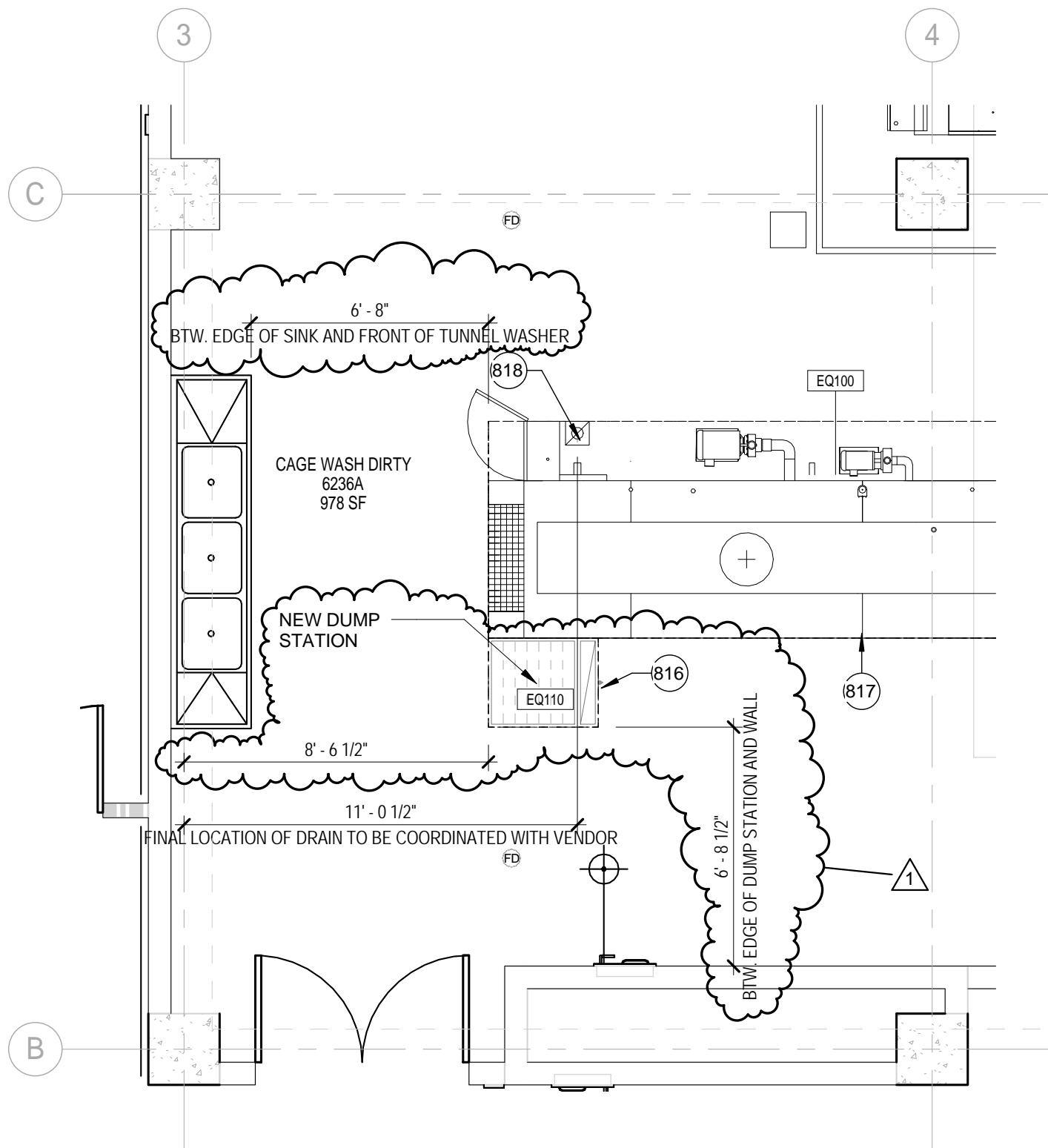


A1 PARTIAL REFLECTED CEILING PLAN - LEVEL 6
 SCALE: 1/8" = 1'-0"



9/10/2015

WHR ARCHITECTS 1111 Louisiana 26th Floor Houston, TX 77002 T 713 665 5665 whrarchitects.com	OWNER: BBS Level 6 Vivarium Buildout	PROJECT TITLE: Behavioral and Biomedical Science Building (BBS)	PROJECT NO. G15303-00	RE: AR106
	Copyright © WHR Architects, Inc.	SHEET TITLE: PARTIAL REFLECTED CEILING PLAN - LEVEL 6	PHASE: CD'S/ADD#2	SHEET NUMBER: SKA-AR106.1
			DATE: 09/10/15 SCALE: 1/8" = 1'-0"	



NOTES TO SHEET	
816	NEW SINGLE STATION DOWNDRAFT BEDDING SCRAPPING STATION, CFCI, RE: SHEET LF001 FOR EQUIPMENT LIST, RE: MECHANICAL
817	NEW TUNNEL WASHER, RE: LF001 FOR EQUIPMENT LIST
818	RECOMMENDED 4" DRAIN LOCATION, COORDINATE WITH VENDOR

A1 PARTIAL ENLARGED CAGE WASH LAB PLAN
 SCALE: 1/4" = 1'-0"



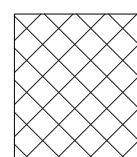
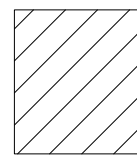
9/10/2015

WHR ARCHITECTS 1111 Louisiana 26th Floor Houston, TX 77002 T 713 665 5665 whrarchitects.com	OWNER: BBS Level 6 Vivarium Buildout	PROJECT TITLE: Behavioral and Biomedical Science Building (BBS)	PROJECT NO. G15303-00	RE: LF407
	Copyright © WHR Architects, Inc.	SHEET TITLE: PARTIAL ENLARGED CAGE WASH LAB PLAN	PHASE: CD'S/ADD#2	SHEET NUMBER: SKA-LF407.1
			DATE: 09/10/15 SCALE: 1/4" = 1'-0"	

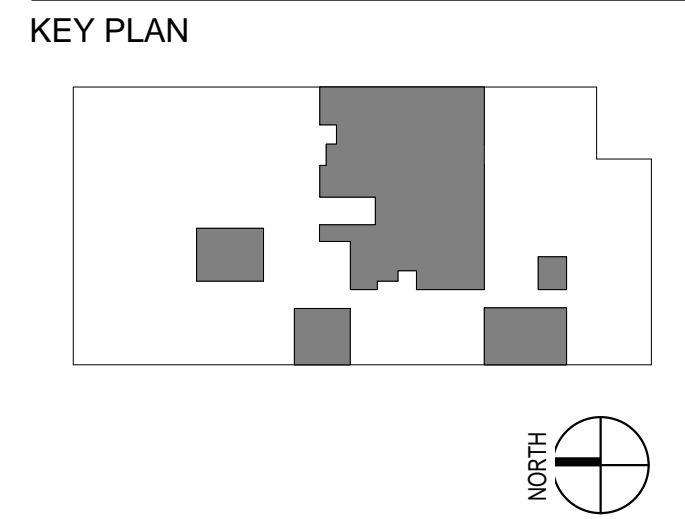
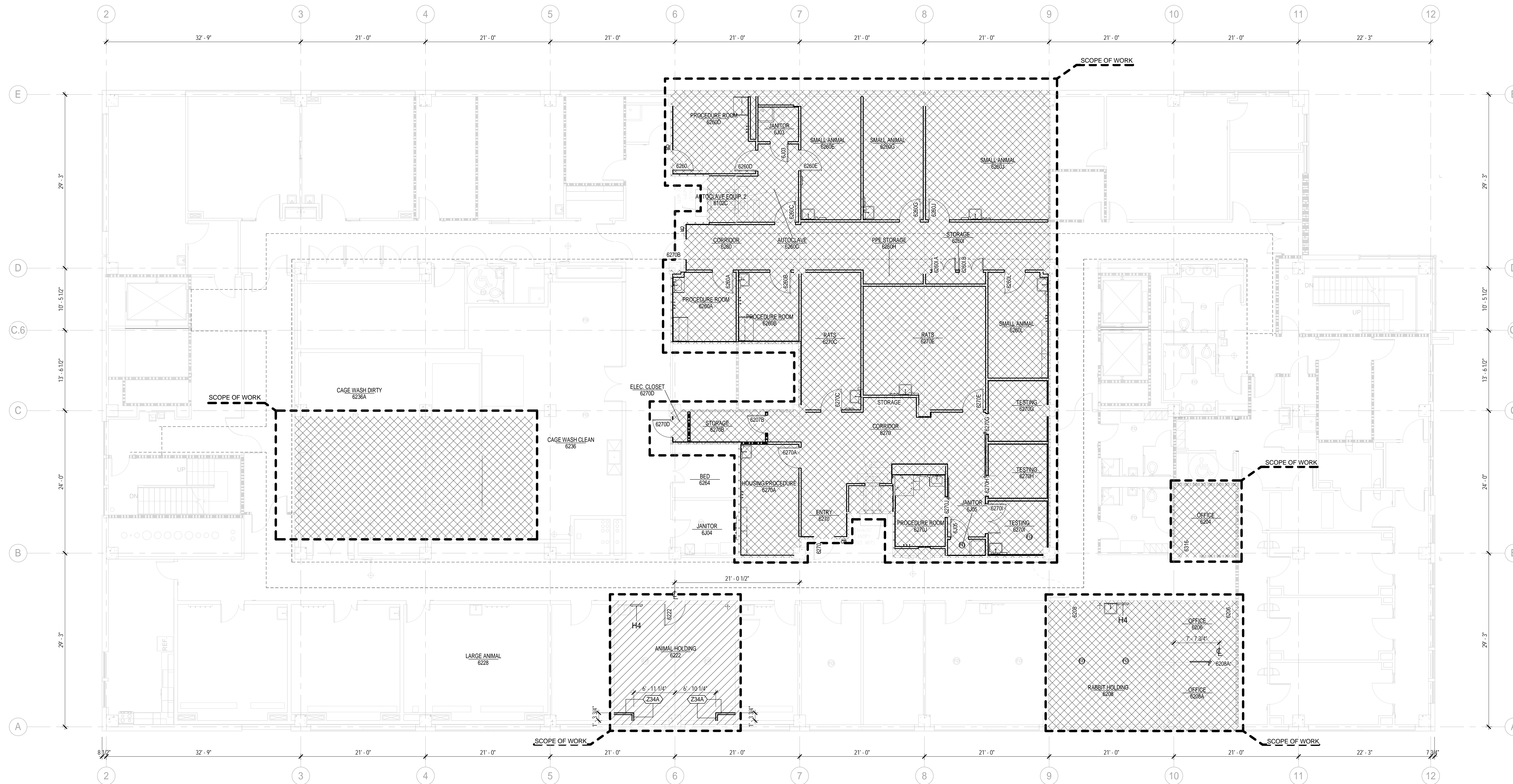
GENERAL NOTES PHASING PLAN

- A. THIS DEPARTMENTAL PHASING PLAN DEFINES THE OWNERS OPERATIONAL AND OCCUPANCY REQUIREMENTS ONLY, AND IS NOT INTENDED AS DIRECTIONS FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES.
- B. ALL DEPARTMENTS ARE TO REMAIN OPERATIONAL DURING THE CONSTRUCTION OF PHASE 1 THROUGH THE COMPLETION OF PHASE 2.

PHASING LEGEND

-  **PHASE 1**
BUILD-OUT OF SMALL ANIMAL HOLDING ROOMS SUITE:
ROOMS 6204: OFFICE, 6206: OFFICE, 6208A: OFFICE, 6209
RABBIT HOLDING, 6236A: CAGE WASH DIRTY, 6236: CAGE
WASH CLEAN
-  **PHASE 2**
BUILD-OUT OF ROOM 6222: ANIMAL HOLDING

REVISIONS		
NO.	DATE	DESCRIPTION
1	9/10/2015	Addendum #2

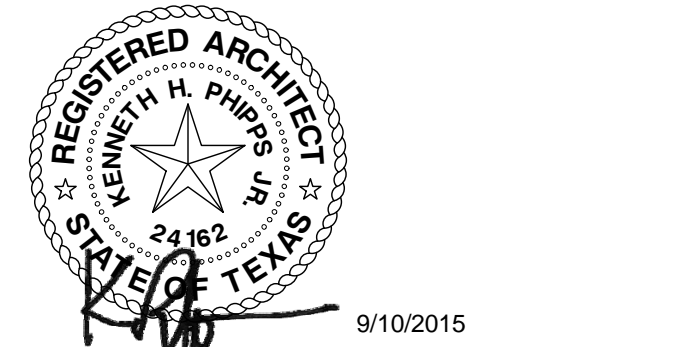


Behavioral and Biomedical Science Building (BBS)

UTHealth
The University of Texas
Health Science Center at Houston

BBS Level 6 Vivarium Buildout

1941 East Road Houston, Texas 77054



PHASING PLAN LEVEL 6

PHASE: 100% CD'S
DATE: 8/12/2015

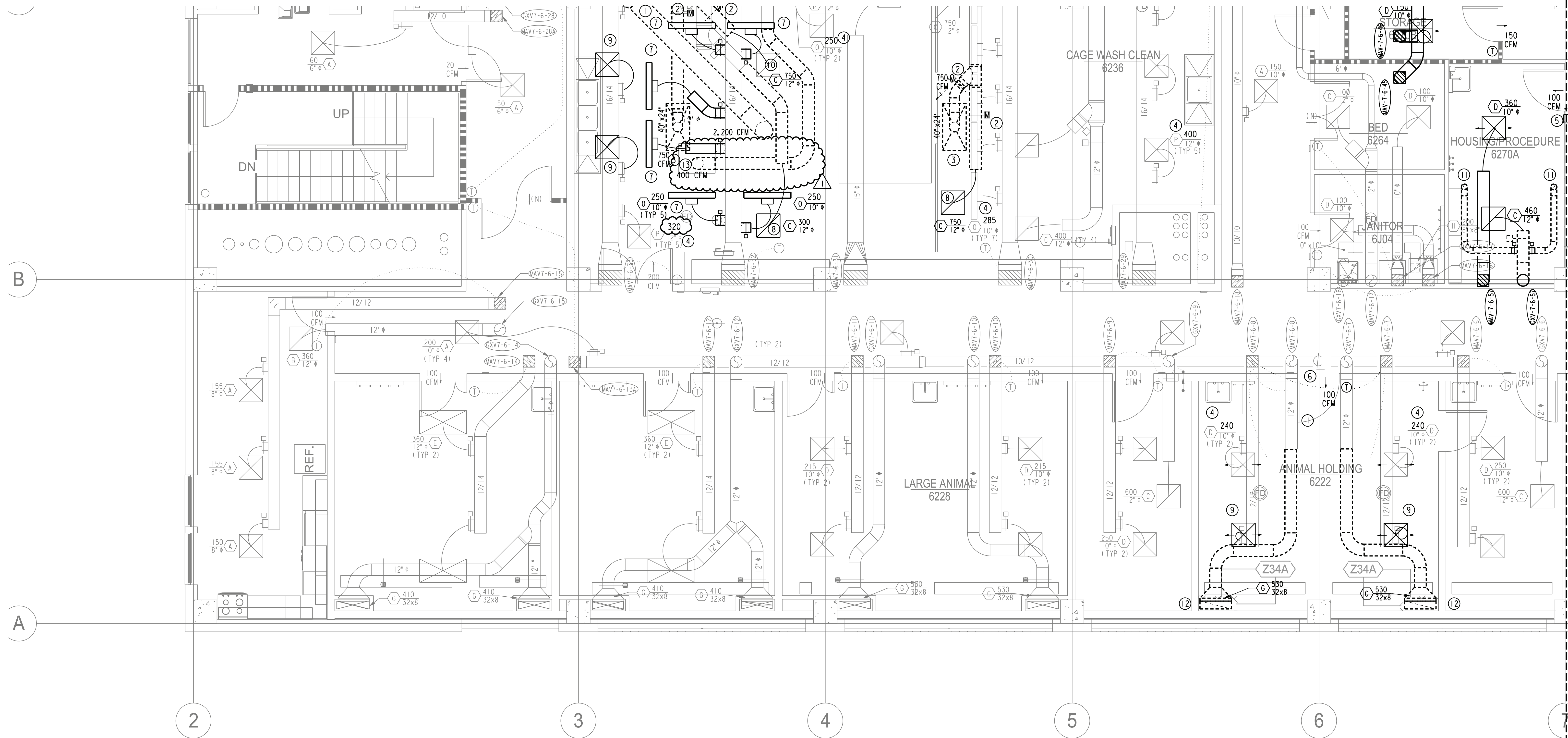
PROJECT NO:
G15303-00

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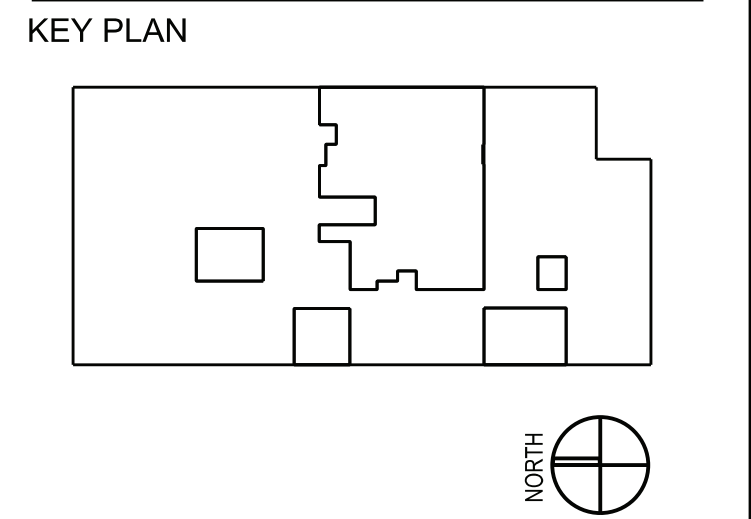
PH106

REVISIONS		
NO.	DATE	DESCRIPTION
1	9/10/15	ADDENDUM 2

RE: M206.A FOR CONTINUATION



RE: M206.D FOR CONTINUATION

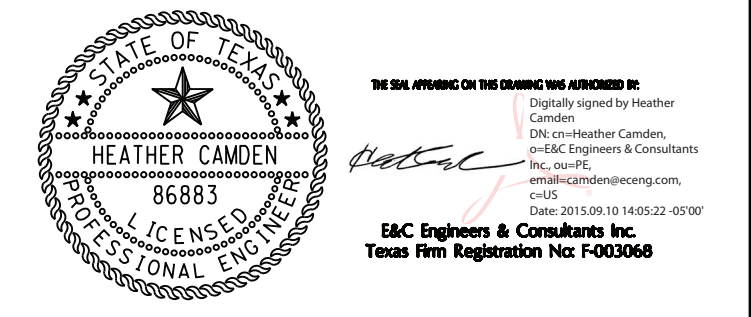


- GENERAL NOTES:
- REFER TO M207 SERIES DRAWINGS FOR DUCTWORK UPSTREAM OF HEATING COIL FOR SUPPLY AND PHOENIX VALVE AND DOWNSTREAM FOR EXHAUST.
 - DUCTWORK TO DIFFUSER SHALL BE THE SIZE OF THE DIFFUSER NECK TAGGED UNLESS OTHERWISE NOTED.
- DRAWING NOTES:
- ① NEW 36X12 EXHAUST DUCT TO TUNNELWASH. TRANSITION TO 18" Ø TO CONNECT TO TUNNELWASH. COORDINATE NEW DUCTWORK WITH EXISTING.
 - ② PROVIDE MOTORIZED, TWO POSITION DAMPERS AS NOTED FOR SELECTION BETWEEN HOOD AND GENERAL EXHAUST.
 - ③ PROVIDE NEW 40" X 24" STAINLESS STEEL EXHAUST HOOD OVER THE TUNNELWASH OPENING. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
 - ④ REBALANCE TO NEW AIRFLOWS AS NOTED IN THE SCHEDULE AND TAGGED ON THE DIFFUSERS.
 - ⑤ PROVIDE DIGITAL AIR PRESSURE MONITOR IN WALL.
 - ⑥ PROVIDE BALL-IN-TUBE PRESSURE MONITOR ABOVE THE DOOR.
 - ⑦ RELOCATED 5 SLOT DIFFUSERS. REBALANCE AS NOTED.
 - ⑧ RELOCATED EXHAUST GRILLE. REBALANCE AS NOTED.
 - ⑨ RELOCATED SUPPLY DIFFUSERS. REBALANCE AS NOTED.
 - ⑩ RECONNECT NEW ZONE TO EXHAUST EXHAUST GRILLE AS NOTED AND REBALANCE.
 - ⑪ ROUTE 6" Ø DUCT DOWN THROUGH CEILING. TRANSITION TO A 4" DUCT FOR CONNECTION TO THE ANIMAL RACKS BY OTHERS. TRANSITION SHALL BE NO LESS THAN 8". ALL DUCT UNDER CEILING SHALL BE STAINLESS STEEL. TEMPORARILY CAP DUCT AIRTIGHT.
 - ⑫ ROUTE 32X8 DUCT DOWN IN CHASE TO LOW EXHAUST TO BE LOCATED WITH BOTTOM OF GRILLE 9" AFF.
 - ⑬ TRANSITION TO 6" EXHAUST ABOVE THE CEILING FOR CONNECTION TO DUMP STATION BELOW CEILING.

Behavioral and Biomedical Science Building (BBS)

BBS Level 6 Vivarium Buildout

1941 East Road Houston, Texas 77054



MECHANICAL FLOOR PLAN LEVEL 6 AREA C

PHASE: 100% CD'S
DATE: 8/12/2015
PROJECT NO: 3255.00
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M206.C

LAB AIRFLOW CONTROL VALVE SCHEDULE

UNIT NO.	SERVICE	VALVE GROUP OFFSET	NORMAL OPERATION MAX	NORMAL OPERATION MIN	UNOCCUPIED MIN	INLET/OUTLET SIZE	HEATING COIL										CONTROL PANEL	MANUFACTURER	MODEL
							DESIGN HEATING CFM	ENT. AIR TEMP F	LVG AIR TEMP F	MBH	GPM @ 120F 20F DT	MAX ROWS/FPI	COIL SIZE	MAX PRESSURE DROP (IN. W.G.)	MAX PRESSURE DROP (FT)	MAX FACE VELOCITY (FPM)			
MAV - 7-6 - 36	PROCEDURE 6260G	(N)	550	200	200	12	200	52	82.5	7.810	1.0	1/8	12X12	0.2	5	560	7-6-13	PHOENIX	MAVA112L
EXV - 7-6 - 36			550	200	200	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
MAV - 7-6 - 37	CORRIDOR 6260	+700	700	700	700	12	700	52	78.0	23.870	2.5	1/8	12X12	0.2	5	700	7-6-13	PHOENIX	MAVA112L
MAV - 7-6 - 38	AUTOCLAVE 6260C	+150	450	250	250	12	250	52	78.0	8.525	1.0	1/8	12X12	0.2	5	460	7-6-13	PHOENIX	MAVA112L
EXV - 7-6 - 38			300	100	100	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
EXV - 7-6 - 39	JANITOR 6203	-50	50	50	50	8	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA108L	
MAV - 7-6 - 40	SMALL ANIMAL 6260E	-100	250	250	250	12	250	52	81.6	9.515	1.5	1/8	9X9	0.2	5	444	7-6-14	PHOENIX	MAVA112L
EXV - 7-6 - 40			350	350	350	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
MAV - 7-6 - 41	SMALL ANIMAL 6260G	-100	250	250	250	12	250	52	81.6	9.515	1.5	1/8	9X9	0.2	5	444	7-6-14	PHOENIX	MAVA112L
EXV - 7-6 - 41			350	350	350	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
MAV - 7-6 - 42	SMALL ANIMAL 6260J	-50	300	300	300	12	300	52	81.0	11.220	1.5	1/8	9X9	0.2	5	533	7-6-14	PHOENIX	MAVA112L
EXV - 7-6 - 42			350	350	350	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
MAV - 7-6 - 43	SMALL ANIMAL 6260K	-50	320	320	320	12	320	52	80.8	11.902	1.5	1/8	9X9	0.2	5	569	7-6-14	PHOENIX	MAVA112L
EXV - 7-6 - 43			370	370	370	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
MAV - 7-6 - 44	PROCEDURE 6260A	-100	250	100	100	12	250	52	78.0	8.525	1.0	1/8	9X9	0.2	5	444	7-6-15	PHOENIX	MAVA112L
EXV - 7-6 - 44			350	200	200	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
MAV - 7-6 - 45	PROCEDURE 6260B	-100	250	100	100	12	250	52	78.0	8.525	1.0	1/8	9X9	0.2	5	444	7-6-15	PHOENIX	MAVA112L
EXV - 7-6 - 45			350	200	200	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
MAV - 7-6 - 46	STORAGE 6270B	+150	150	150	150	12	150	52	78.0	5.115	0.5	1/8	9X9	0.2	5	267	7-6-15	PHOENIX	MAVA112L
EXV - 7-6 - 46			350	350	350	12	350	52	78.0	11.935	1.5	1/8	12X9	0.2	5	467	7-6-16	PHOENIX	MAVA112L
MAV - 7-6 - 47	RATS 6270C	+80	450	450	450	12	450	52	78.0	10.230	1.5	1/8	9X9	0.2	5	533	7-6-16	PHOENIX	MAVA112L
EXV - 7-6 - 47			300	300	300	12	300	52	78.0	10.230	1.5	1/8	9X9	0.2	5	533	7-6-16	PHOENIX	MAVA112L
MAV - 7-6 - 48	RATS 6270E	+80	240	240	240	12	240	52	78.0	10.230	1.5	1/8	9X9	0.2	5	533	7-6-16	PHOENIX	MAVA112L
EXV - 7-6 - 48			300	300	300	12	300	52	78.0	10.230	1.5	1/8	9X9	0.2	5	533	7-6-16	PHOENIX	MAVA112L
MAV - 7-6 - 49	RATS 6270E	-160	460	460	460	12	460	52	78.0	11.935	1.5	1/8	12X9	0.2	5	467	7-6-17	PHOENIX	MAVA112L
EXV - 7-6 - 49			150	100	100	12	150	52	78.0	5.115	1.0	1/8	9X9	0.2	5	267	7-6-17	PHOENIX	MAVA112L
MAV - 7-6 - 50	SMALL ANIMAL 6260L	-100	250	200	200	12	250	52	78.0	5.115	1.0	1/8	9X9	0.2	5	267	7-6-17	PHOENIX	MAVA112L
EXV - 7-6 - 50			150	100	100	12	150	52	78.0	5.115	1.0	1/8	9X9	0.2	5	267	7-6-17	PHOENIX	MAVA112L
MAV - 7-6 - 51	TESTING 6270G	-100	150	100	100	12	150	52	78.0	5.115	1.0	1/8	9X9	0.2	5	267	7-6-17	PHOENIX	MAVA112L
EXV - 7-6 - 51			250	200	200	12	250	52	78.0	5.115	1.0	1/8	9X9	0.2	5	267	7-6-17	PHOENIX	MAVA112L
MAV - 7-6 - 52	TESTING 6270H	-100	150	100	100	12	150	52	78.0	5.115	1.0	1/8	9X9	0.2	5	267	7-6-17	PHOENIX	MAVA112L
EXV - 7-6 - 52			250	200	200	12	250	52	78.0	5.115	1.0	1/8	9X9	0.2	5	267	7-6-17	PHOENIX	MAVA112L
MAV - 7-6 - 53	TESTING 6270I	-100	150	100	100	12	150	52	78.0	5.115	1.0	1/8	9X9	0.2	5	267	7-6-17	PHOENIX	MAVA112L
EXV - 7-6 - 53			250	200	200	12	250	52	78.0	5.115	1.0	1/8	9X9	0.2	5	267	7-6-17	PHOENIX	MAVA112L
MAV - 7-6 - 54	JANITOR 6205	-50	50	50	50	8	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA108L	
EXV - 7-6 - 54			50	50	50	8	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA108L	
MAV - 7-6 - 55	PROCEDURE ROOM 6270J	-100	250	100	100	12	250	52	78.0	8.525	1.0	1/8	9X9	0.2	5	444	7-6-18	PHOENIX	MAVA112L
EXV - 7-6 - 55			350	200	200	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
MAV - 7-6 - 56	CORRIDOR 6270	+700	1000	800	800	12	1000	52	78.0	34.100	3.5	1/8	18X18	0.2	5	640	7-6-18	PHOENIX	MAVA112L
EXV - 7-6 - 56			300	100	100	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
MAV - 7-6 - 57	HOUSING 6270A	-100	360	360	360	12	360	52	78.0	12.275	1.5	1/8	12X9	0.2	5	480	7-6-18	PHOENIX	MAVA112L
EXV - 7-6 - 57			460	460	460	12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVA112L	
MAV - 7-6 - 58	CAGEWASH 6236	-2200	2200	2200	2200	36X12	-	-	-	-	-	-	-	-	-	-	7-6-5	PHOENIX	EXVB312L
EXV - 7-6 - 58			2200	2200	2200	36X12	-	-	-	-	-	-	-	-	-	-	PHOENIX	EXVB312L	

NOTES:

AIR DISTRIBUTION DEVICE SCHEDULE

UNIT NO.	SERVICE	TYPE	FINISH	NECK		FACE IN. SO.	REMARKS
				DIAMETER IN.	SQUARE IN.		
(A)	OFFICE/HALL SUPPLY	SQUARE PLAQUE	WHITE	SEE PLAN	--	24X24	TITUS MODEL OMNI (SURFACE MOUNT)
(AL)	OFFICE/HALL SUPPLY	SQUARE PLAQUE	WHITE	SEE PLAN	--	24X24	TITUS MODEL OMNI (LAY-IN)
(B)	OFFICE/HALL EXHAUST	SQUARE PLAQUE	WHITE	SEE PLAN	--	24X24	TITUS MODEL OMNI (SURFACE MOUNT)
(BL)	OFFICE/HALL EXHAUST	SQUARE PLAQUE	WHITE	SEE PLAN	--	24X24	TITUS MODEL OMNI (LAY-IN)
(C)	LAB/ANIMAL EXHAUST	EGG CRATE	WHITE	SEE PLAN	--	24X24	TITUS MODEL 50R-SS (SURFACE MOUNT)
(CL)	LAB/ANIMAL EXHAUST	EGG CRATE	WHITE	SEE PLAN	--	24X24	TITUS MODEL 50R-SS (LAY-IN)
(D)	LAB/ANIMAL SUPPLY	180° RADIAL	WHITE	10" φ	--	24X24	TITUS MODEL RADITEC-SS (SURFACE MOUNT)
(DL)	LAB/ANIMAL SUPPLY	180° RADIAL	WHITE	10" φ	--	24X24	TITUS MODEL RADITEC-SS (LAY-IN)
(E)	LAB/ANIMAL SUPPLY	180° RADIAL	WHITE	12" φ	--	24X48	TITUS MODEL RADITEC-SS (SURFACE MOUNT)
(EL)	LAB/ANIMAL SUPPLY	180° RADIAL	WHITE	12" φ	--	24X48	TITUS MODEL RADITEC-SS (LAY-IN)
(F)	LAB/ANIMAL EXHAUST	EGG CRATE	WHITE	SEE PLAN	--	24x12	TITUS MODEL 50R-SS (SURFACE MOUNT)
(FL)	LAB/ANIMAL EXHAUST	EGG CRATE	WHITE	SEE PLAN	--	24x12	TITUS MODEL 50R-SS (LAY-IN)
(G)	FILTERED ANIMAL EXH.	PERFORATED GRILLE	MILLED	--	--	SEE PLAN	TITUS MODEL 8SS (W/ 1" FILTER) (STAINLESS STEEL)
(H)	OPERATING RM. EXHAUST	LOUVERED WALL GRILLE	MILLED	--	--	SEE PLAN	TITUS MODEL 350RL-SS (STAINLESS STEEL)
(I)	OPERATING RM. SUPPLY	LAMINAR FLOW	MILLED	--	--	24X24	TITUS MODEL TLF-SS (STAINLESS STEEL)
(J)	OPERATING RM. SUPPLY	LAMINAR FLOW SLOT	MILLED	--	--	SEE PLAN	TITUS MODEL LINEATEC-SS (STAINLESS STEEL)
(K)	COMP SUPPLY	LAMINAR FLOW	MILLED	12" φ	--	48x24	TITUS MODEL TLF-SS (STAINLESS STEEL)
(L)	SUPP/EXH/TRANS.	SQUARE PLAQUE	WHITE	SEE PLAN	--	12X12	TITUS MODEL OMNI (SURFACE MOUNT)
(M)	CHEM. WASTE SUPPLY	LOUVERED WALL GRILLE	MILLED	--	--	SEE PLAN	TITUS MODEL 300RL-SS (STAINLESS STEEL)
(N)	CAGE WASH LINEARS	FLOWBAR SUPPLY	WHITE	SEE PLAN	--	3' - 0" L	TITUS MODEL FL20177JT
(O)	CAGE WASH LINEARS	FLOWBAR SUPPLY	WHITE	SEE PLAN	--	4' - 0" L	TITUS MODEL FL20177JT
(P)	CAGE WASH HIGH OUTPUT	HIGH OUTPUT SUPPLY	WHITE	SEE PLAN	--	24X24	TITUS MODEL TMS-AA
(R)	ALCOVE LINEARS	LINEAR SLOT	WHITE	SEE PLAN	--	SEE PLAN	TITUS MODEL N-I-D-48-18
(S)	FIRST FLOOR LOBBY	FLOWBAR SUPPLY	WHITE	SEE PLAN	--	SEE PLAN	TITUS MODEL FL25166HT (PROVIDE W/ MANUF PLEN.)

COOLING COIL SCHEDULE

UNIT NO.	CFM	MIN. F. A. SO. FT.	FACE VEL. FPM	ROWS	MIN. AIR DB/WB °F	LVG. AIR DB/WB °F	WATER			MAX. P. D.		REMARKS	
							ΔT	EW. °F	P. D. FT.	GPM	AIR FT.		WATER FT.
CC-7-6-36	600	2, 25	270	2/8	52/52	47/47	2.9	42	44.9	5.0	0.1	20.0	TEMTROL 5WC-24-18X18X2-8AL

PROVIDE WITH COIL CLEANING ACCESS DOORS UP AND DOWNSTREAM.

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REVISIONS		
NO.	DATE	DESCRIPTION
1	9/10/15	ADDENDUM 2

KEY PLAN

NORTH

Behavioral and Biomedical Science Building (BBS)

BBS Level 6 Vivarium Buildout

1941 East Road Houston, Texas 77054

HEATHER CAMBER
LICENSED PROFESSIONAL ENGINEER
16683

MECHANICAL SCHEDULES

PHASE: 100% CD'S
DATE: 8/12/2015

PROJECT NO. 3255.00
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M600

REVISIONS		
NO.	DATE	DESCRIPTION
1	9/10/2015	Addendum #2

Panel PHA (EXISTING)													
Project - BBS Level 6 Vivarium Buildout													
E&C No. 3255													
Location - PENTHOUSE													
Panel Information		Panel Loads		Phase A		Phase B		Phase C		Total			
Voltage	277480V, 3P, 4W	Panel Lighting VA	0	0	11318	34144							
Panel Type	Panelboard	Panel Receptacle VA	0	0	0	0							
Bus Amps	225A, 100% Neutral	Panel Equipment VA	0	0	0	0							
Bus Type	Copper/95.000 AIC	FTL VA	0	0	0	0							
Panel Mains	225A MLO	Total Connected VA	12972	9854	11318	34144							
Breaker Mfg	Bohlin	Total Connected Amps	59	41	41	41							
Enclosure	NEMA 1 Surface	NEC VA	16215	14140	42980								
Accessories	Ground Bus	NEC Amps	49	44	51	51							
Ckt.	Bkr.	Circuit Use	Load	Type	Ph.	Ckt.	Bkr.	Circuit Use	Load	Type	Ph.	Ckt.	Bkr.
1	201	EXISTING LIGHTING	912	2	A	2	201	EXISTING LIGHTING	2050	2			
3	201	EXISTING LIGHTING	400	2	B	4	201	VIVARIUM LIGHTING	3144	2			
5	201	EXISTING LIGHTING	2176	2	C	6	201	VIVARIUM LIGHTING	2772	2			
7	201	EXISTING LIGHTING	1820	2	A	8	201	VIVARIUM LIGHTING	2880	2			
9	201	EXISTING LIGHTING	2310	2	B	10	201	SPARE					
11	201	EXISTING LIGHTING	2870	2	C	12	201	SPARE					
13	201	EXISTING LIGHTING	3360	2	A	14	201	SPARE					
15	201	EXISTING LIGHTING	2000	2	B	16	201	SPARE					
17	201	EXISTING LIGHTING	2000	2	C	18	201	SPARE					
19	201	EXISTING LIGHTING	2000	2	A	20	201	SPARE					
21	201	EXISTING LIGHTING	2000	2	B	22	201	SPARE					
23	201	EXISTING LIGHTING	2000	2	C	24	201	SPARE					
27	201	RECEPTACLES	720	0	A	26	201	SPARE					
29	201	RECEPTACLES	720	0	B	28	201	SPARE					
31	201	RECEPTACLES	720	0	C	30	201	SPARE					
33	201	RECEPTACLES	720	0	A	32	201	SPARE					
35	201	RECEPTACLES	720	0	B	34	201	SPARE					
37	201	RECEPTACLES	720	0	C	36	201	SPARE					
39	201	RECEPTACLES	720	0	A	38	201	SPARE					
41	201	RECEPTACLES	720	0	B	40	201	SPARE					
43	201	RECEPTACLES	720	0	C	42	201	SPARE					
45	201	RECEPTACLES	720	0	A	44	201	SPARE					
47	201	RECEPTACLES	720	0	B	46	201	SPARE					
49	201	RECEPTACLES	720	0	C	48	201	SPARE					
51	201	RECEPTACLES	720	0	A	50	201	SPARE					
53	201	RECEPTACLES	720	0	B	52	201	SPARE					
55	201	RECEPTACLES	720	0	C	54	201	SPARE					
57	201	RECEPTACLES	720	0	A	56	201	SPARE					
59	201	RECEPTACLES	720	0	B	58	201	SPARE					
61	201	RECEPTACLES	720	0	C	60	201	SPARE					
63	201	RECEPTACLES	720	0	A	62	201	SPARE					
65	201	RECEPTACLES	720	0	B	64	201	SPARE					
67	201	RECEPTACLES	720	0	C	66	201	SPARE					
69	201	RECEPTACLES	720	0	A	68	201	SPARE					
71	201	RECEPTACLES	720	0	B	70	201	SPARE					
73	201	RECEPTACLES	720	0	C	72	201	SPARE					
75	201	RECEPTACLES	720	0	A	74	201	SPARE					
77	201	RECEPTACLES	720	0	B	76	201	SPARE					
79	201	RECEPTACLES	720	0	C	78	201	SPARE					
81	201	RECEPTACLES	720	0	A	80	201	SPARE					
83	201	RECEPTACLES	720	0	B	82	201	SPARE					
85	201	RECEPTACLES	720	0	C	84	201	SPARE					
87	201	RECEPTACLES	720	0	A	86	201	SPARE					
89	201	RECEPTACLES	720	0	B	88	201	SPARE					
91	201	RECEPTACLES	720	0	C	90	201	SPARE					
93	201	RECEPTACLES	720	0	A	92	201	SPARE					
95	201	RECEPTACLES	720	0	B	94	201	SPARE					
97	201	RECEPTACLES	720	0	C	96	201	SPARE					
99	201	RECEPTACLES	720	0	A	98	201	SPARE					
101	201	RECEPTACLES	720	0	B	100	201	SPARE					
103	201	RECEPTACLES	720	0	C	102	201	SPARE					
105	201	RECEPTACLES	720	0	A	104	201	SPARE					
107	201	RECEPTACLES	720	0	B	106	201	SPARE					
109	201	RECEPTACLES	720	0	C	108	201	SPARE					
111	201	RECEPTACLES	720	0	A	110	201	SPARE					
113	201	RECEPTACLES	720	0	B	112	201	SPARE					
115	201	RECEPTACLES	720	0	C	114	201	SPARE					
117	201	RECEPTACLES	720	0	A	116	201	SPARE					
119	201	RECEPTACLES	720	0	B	118	201	SPARE					
121	201	RECEPTACLES	720	0	C	120	201	SPARE					
123	201	RECEPTACLES	720	0	A	122	201	SPARE					
125	201	RECEPTACLES	720	0	B	124	201	SPARE					
127	201	RECEPTACLES	720	0	C	126	201	SPARE					
129	201	RECEPTACLES	720	0	A	128	201	SPARE					
131	201	RECEPTACLES	720	0	B	130	201	SPARE					
133	201	RECEPTACLES	720	0	C	132	201	SPARE					
135	201	RECEPTACLES	720	0	A	134	201	SPARE					
137	201	RECEPTACLES	720	0	B	136	201	SPARE					
139	201	RECEPTACLES	720	0	C	138	201	SPARE					
141	201	RECEPTACLES	720	0	A	140	201	SPARE					
143	201	RECEPTACLES	720	0	B	142	201	SPARE					
145	201	RECEPTACLES	720	0	C	144	201	SPARE					
147	201	RECEPTACLES	720	0	A	146	201	SPARE					
149	201	RECEPTACLES	720	0	B	148	201	SPARE					
151	201	RECEPTACLES	720	0	C	150	201	SPARE					
153	201	RECEPTACLES	720	0	A	152	201	SPARE					
155	201	RECEPTACLES	720	0	B	154	201	SPARE					
157	201	RECEPTACLES	720	0	C	156	201	SPARE					
159	201	RECEPTACLES	720	0	A	158	201	SPARE					
161	201	RECEPTACLES	720	0	B	160	201	SPARE					
163	201	RECEPTACLES	720	0	C	162	201	SPARE					
165	201	RECEPTACLES	720	0	A	164	201	SPARE					
167	201	RECEPTACLES	720	0	B	166	201	SPARE					
169	201	RECEPTACLES	720	0	C	168	201	SPARE					
171	201	RECEPTACLES	720	0	A	170	201	SPARE					
173	201	RECEPTACLES	720	0	B	172	201	SPARE					
175	201	RECEPTACLES	720	0	C	174	201	SPARE					
177	201	RECEPTACLES	720	0	A	176	201	SPARE					
179	201	RECEPTACLES	720	0	B	178	201	SPARE					
181	201	RECEPTACLES	720	0	C	180	201	SPARE					
183	201	RECEPTACLES	720	0	A	182	201	SPARE					
185	201	RECEPTACLES	720	0	B	184	201	SPARE					
187	201	RECEPTACLES	720	0	C	186	201	SPARE					
189	201	RECEPTACLES	720	0	A	188	201	SPARE					
191	201	RECEPTACLES	720	0	B	190	201	SPARE					
193	201	RECEPTACLES	720	0	C	192	201	SPARE					
195	201	RECEPTACLES	720	0	A	194	201	SPARE					
197	201	RECEPTACLES	720	0	B	196	201	SPARE					
199	201	RECEPTACLES	720	0	C	198	201	SPARE					
201	201	RECEPTACLES	720	0	A	200	201	SPARE					
203	201	RECEPTACLES	720	0	B	202	201	SPARE					