Office Renovations For
Insititutional Research and University Advancement
Arkansas State University
Jonesboro, Arkansas

SYMBOLS

SECTION — A / A500 — SECTION NUMBER, SHEET NUMBER

DETAIL — 1 / A001 — DETAIL NUMBER, SHEET NUMBER

DOOR — 1

WINDOW — A

ALUMINUM FRAME — AF-1

HOLLOW METAL FRAME — HMF-1

EXISTING CONTOUR LINE

NEW CONTOUR LINE

NEW SPOT ELEVATION — + 123.45

FINISH ELEVATION — ELEV. = 100.00

ABBREVIATIONS

ABOVE FINISH FLOOR	A.F.F.	MECHANICAL	MECH.
ACOUSTICAL	ACOUST.	METAL THRESHOLD	M.T.
ALUMINUM	ALUM.	NOMINAL	NOM.
APPROXIMATE	APPROX.	NOT IN CONTRACT	N.I.C.
BOTTOM OF FOOTING	B.O.F.	ON CENTER	O.C.
CEILING	CLG.	PLATE	PL
CENTER LINE	℄	REQUIRED	REQ.
EACH	EA.	SIMILAR	SIM.
ELECTRIC WATER COOLER	E.W.C.	SQUARE	SQ.
FINISH	FIN.	SUSPENDED	SUSP.
FIRE EXTINGUISHER	F.E.	TOP OF CURB	T.O.C.
FIRE EXTINGUISHER CABINET	F.E.C.	TOP OF FOOTING	T.O.F.
FLOOR	FLR.	TOP OF WALL / WALK	T.O.W.
GENERAL CONTRACTOR	G.C.	TYPICAL	TYP.
INSULATION	INSUL.	WITH	W/
JOINT	JNT.		

MATERIALS

- CONCRETE
- STEEL
- METAL STUDS
- CONCRETE BLOCK
- PLYWOOD
- FINISH WOOD
- WOOD FRAMING OR BLOCKING
- GYPSUM BOARD
- RIGID INSULATION
- BATT INSULATION
- COMPACT FILL
- GRAVEL FILL
- ASPHALT PAVING
- EXTERIOR SHEATHING

ARKANSAS FIRE PREVENTION CODE DATA

ARKANSAS FIRE PREVENTION CODE, 2007

OCCUPANCY CLASSIFICATION ____ Group B, Business
TOTAL BUILDING AREA
- Existing Lower Level ____ 20,593 sq. ft.
- Existing Upper Level ____ 20,503 sq. ft.
- Total Area ____ 41,096 sq. ft.
- Interior Renovation Area ____ 2,998 sq. ft.

BUILDING HEIGHT ____ 30'-0"
NUMBER OF STORIES ____ Two (2)
TYPE OF CONSTRUCTION ____ Type I-B, Unsprinklered

ALLOWABLE HEIGHT(Table 503) ____ 160'-0"
ALLOWABLE AREA(Table 503) ____ Unlimited
MAXIMUM NO. OF STORIES ____ Eleven (11)

BUILDING SETBACKS
North -----Exceeds 30'-0" To Nearest Structure
East -------Exceeds 30'-0" To Nearest Structure
South -----Exceeds 30'-0" To Nearest Structure
West ------Exceeds 30'-0' To Nearest Structure

OCCUPANCY LOAD(Table 1004.1.1)
- Lower Level ____ 206
- Upper Level ____ 205
- Total ____ 411
- Renovated Space ____ 30

EXIT ACCESS STRATEGY
- 5 Exits At Lower Level
- 3 Exits At Upper Level
- 3 Exits Provided From Renovated Space To Corridor
- 1 Exit Direct To Exterior From Renovated Spaced

EXIT REQUIREMENTS
- Min. No. of Exits ____ 2 Per Level
- Min. Door Size ____ 36"(ADA)
- Max Distance To Exit ____ 200'-0"
- Egress Level ____ .2" Per Person

SEISMIC ZONE ____ 3, Category D

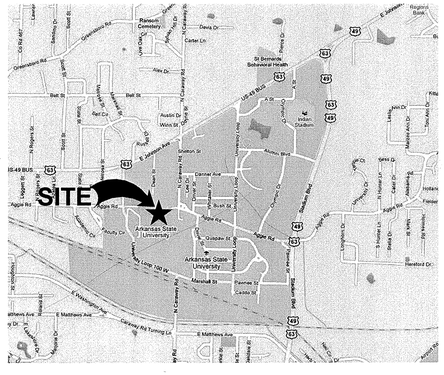
I hereby certify that these plans and specifications have been prepared by me, or under my supervision. I further certify that to the best of my knowledge these plans and specifications are as required by law and in compliance with the Arkansas Fire prevention code for the State of Arkansas.

George J. Krennerich III

BRACKETT-KRENNERICH & ASSOCIATES P.A. REGISTERED ARCHITECTS 613 ARKANSAS

28 FEB 2011

VICINITY MAP



INDEX TO DRAWINGS

ARCHITECTURAL	
Sheet Number	Sheet Name
A001	DOOR SCHEDULE, ALUMINUM FRAME SCHEDULE, VISUAL DOOR TYPES, HOLLOW METAL FRAME SCHEDULE, DOOR DETAILS
A002	FLOOR FINISHES PLAN, ROOM FINISH SCHEDULE, FLOOR TRANSITION DETAILS
A100	FIRST FLOOR PLAN, DEMOLITION PLAN, VISUAL WALL TYPES, ENLARGED TOILET PLAN
A400	REFLECTED CEILING PLAN, DEMOLITION CEILING PLAN, CEILING DETAILS
A600	MILLWORK ELEVATIONS, TOILET ELEVATIONS, ADA MOUNTING HEIGHTS
A601	MILLWORK SECTIONS AND DETAILS

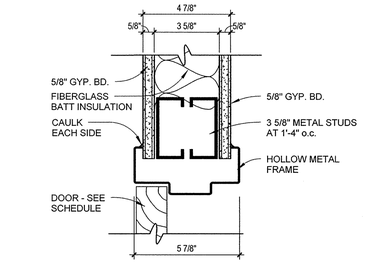
MECHANICAL	
Sheet Number	Sheet Name
M101	HVAC FLOOR PLAN, HVAC DEMOLITION PLAN
M201	HVAC DETAILS, FANCOIL UNIT SCHEDULES, AIR DEVICE SCHEDULES

PLUMBING	
Sheet Number	Sheet Name
P101	PLUMBING FLOOR PLAN, PLUMBING NOTES, LEGENDS

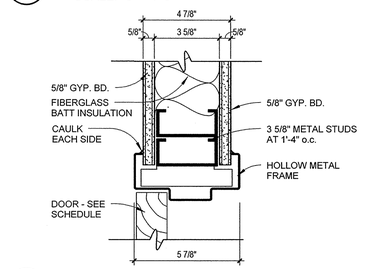
ELECTRICAL	
Sheet Number	Sheet Name
E101	LIGHTING PLAN, LIGHTING NOTES, ELECTRICAL DEMOLITION PLAN, DEMOLITION NOTES
E102	POWER AND SYSTEMS PLAN, FIXTURE SCHEDULE, ELECTRICAL SYMBOLS, NOTES

BRACKETT KRENNERICH architects
100 East Huntington Ave. Suite D P.O. Box 1655
870-932-0571 Fax 870-932-0975 WWW.BKARCHTS.COM

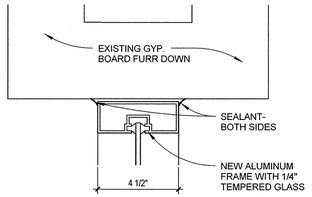
SET NUMBER



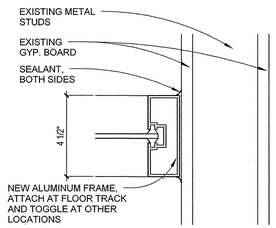
1 head detail
SCALE: 3" = 1'-0"



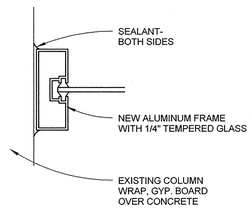
2 jamb detail
SCALE: 3" = 1'-0"



3 head detail
SCALE: 3" = 1'-0"



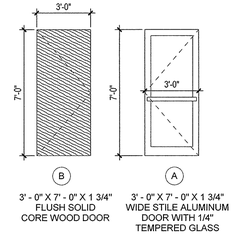
4 jamb detail
SCALE: 3" = 1'-0"



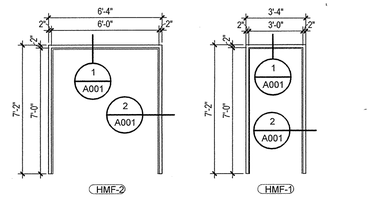
5 jamb detail
SCALE: 3" = 1'-0"

DOOR SCHEDULE

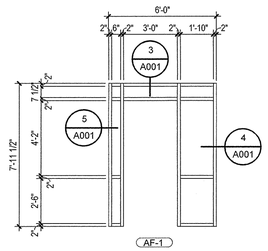
Door Number	DOOR					DETAILS			Label	HDWE	Remarks
	Type	Style	Threshold	Frame	Frame Depth	Head	Jamb	Sill			
1	A	SINGLE	NONE	AF-1	4 1/2"	3/A001	4/A001 & 5/A001				
2	B	SINGLE	NONE	HMF-1	5 7/8"	1/A001	2/A001				
3	B	SINGLE	NONE	HMF-1	5 7/8"	1/A001	2/A001				
4	B	SINGLE	NONE	HMF-1	5 7/8"	1/A001	2/A001				
5	B	SINGLE	NONE	HMF-1	5 7/8"	1/A001	2/A001				
6	B	SINGLE	NONE	HMF-1	5 7/8"	1/A001	2/A001				
7	B	SINGLE	NONE	HMF-1	5 7/8"	1/A001	2/A001				
8	B	SINGLE	NONE	HMF-1	5 7/8"	1/A001	2/A001				
9	B	SINGLE	NONE	HMF-1	5 7/8"	1/A001	2/A001				
10	B	SINGLE	NONE	HMF-1	5 7/8"	1/A001	2/A001				
11	B	SINGLE	NONE	HMF-1	5 7/8"	1/A001	2/A001				
12	B	PAIR	NONE	HMF-2	5 7/8"	1/A001	2/A001				
13	B	PAIR	NONE	HMF-2	5 7/8"	1/A001	2/A001				



visual door types
1/4" = 1'-0"



hollow metal frame schedule
1/4" = 1'-0"



aluminum frame schedule
1/4" = 1'-0"

OFFICE RENOVATIONS FOR

Institutional Research and University Advancement

ARKANSAS STATE UNIVERSITY

Jonesboro, Arkansas

BRACKETT KRENNERICH architects

100 East Huntington Ave. Suite D P.O. Box 1655

870-932-0571 Fax 870-932-0975 www.bkarchits.com

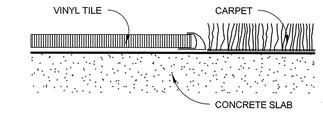
BRACKETT-KRENNERICH & ASSOCIATES, P.A. REGISTERED ARCHITECTS 013 ARKANSAS

28 FEB 2011

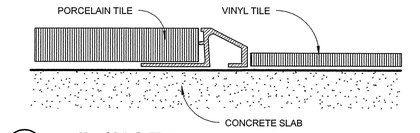
Commission Number 11910

A001

Date: February 22, 2011



1 **V.C.T. / carpet**
SCALE: 1 : 1



2 **tile / V.C.T.**
SCALE: 1 : 1

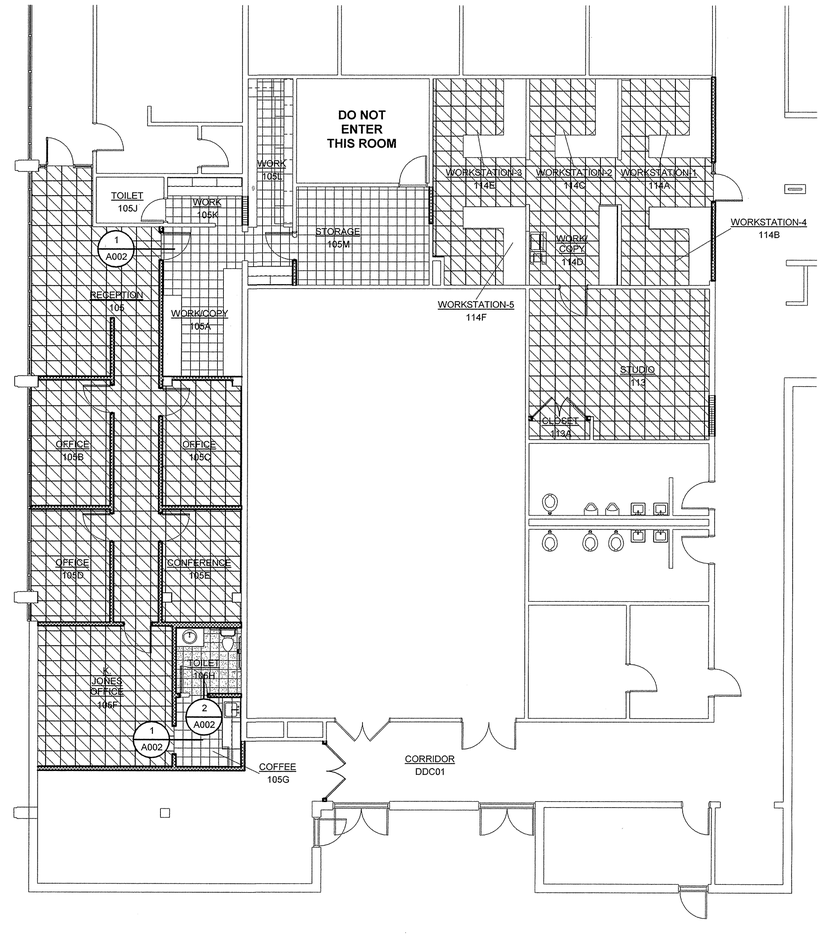
floor transition details

FURNITURE LEGEND
CH - 1 - TASK CHAIR TYPE 1
CH - 2 - TASK CHAIR TYPE 2
CT - COFFEE TABLE
ED - 1 - EXECUTIVE DESK TYPE 1
ED - 2 - EXECUTIVE DESK TYPE 2
GC - 1 - GUEST CHAIR TYPE 1
GC - 2 - GUEST CHAIR TYPE 2
LT - 1 - LATERAL FILE TYPE 1
P - 1 - INDOOR PLANT

FLOOR FINISHES LEGEND
CARPET - MODULAR
VINYL TILE
PORCELAIN TILE

ROOM FINISH SCHEDULE

Room Number	Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Height	Ceiling Finish	Comments
105	RECEPTION	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD (3)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	(1) NEW RUBBER BASE AT NEW WALL ONLY.
105A	WORK/COPY	VINYL TILE	4" RUBBER COVE	PAINTED GYP. BOARD/PAINTED CMU	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	
105B	OFFICE	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD (3)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	(2) THE EXISTING CEILING GRID TO REMAIN
105C	OFFICE	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD/PAINTED CMU (3)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	IN THIS SPACE. NEW SUSPENDED TILES
105D	OFFICE	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD (3)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	ARE TO BE THE COLOR BLACK.
105E	CONFERENCE	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD/PAINTED CMU (3)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	
105F	K. JONES OFFICE	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD/PAINTED CMU (3)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	(3) ONE WALL TO RECIEVE ACCENT PAINT.
105G	COFFEE	VINYL TILE	4" RUBBER COVE	PAINTED GYP. BOARD/PAINTED CMU (3)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	SEE COLOR SCHEDULE IN
105H	TOILET	PORCELAIN TILE	6" PORCELAIN TILE	PAINTED GYP. BOARD/PAINTED CMU	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	SPECIFICATIONS FOR COLOR AND
105J	TOILET	EXISTING	EXISTING	PAINTED GYP. BOARD	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	LOCATION.
105K	WORK	VINYL TILE	4" RUBBER COVE	PAINTED GYP. BOARD	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	
105L	WORK	VINYL TILE	4" RUBBER COVE	PAINTED GYP. BOARD	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	(4) PARTITION WALLS TO RECIEVE ACCENT
105M	STORAGE	VINYL TILE	4" RUBBER COVE	PAINTED GYP. BOARD	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	PAINT. SEE COLOR SCHEDULE IN
113	STUDIO	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE (2)	SPECIFICATIONS FOR COLOR AND
113A	CLOSET	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	LOCATION.
114A	WORKSTATION-1	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD (4)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	
114B	WORKSTATION-4	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD (4)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	
114C	WORKSTATION-2	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD (4)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	
114D	WORK/ COPY	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	
114E	WORKSTATION-3	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD (4)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	
114F	WORKSTATION-5	MODULAR CARPET	4" RUBBER COVE	PAINTED GYP. BOARD (4)	9' - 0"	2 X 2 SUSPENDED ACOUSTICAL TILE	
DDC01	CORRIDOR	EXISTING TO REMAIN	4" RUBBER COVE (1)	PAINTED GYP. BOARD AT NEW WALL		EXISTING TO REMAIN	



n

floor finishes plan
SCALE: 1/8" = 1'-0"

OFFICE RENOVATIONS FOR

Institutional Research and University Advancement

ARKANSAS STATE UNIVERSITY

Jonesboro, Arkansas

BRACKETT KRENNERICH architects

100 East Huntington Ave, Suite D P.O. Box 1655

870-932-0571 Fax 870-932-0975 www.bkarchts.com

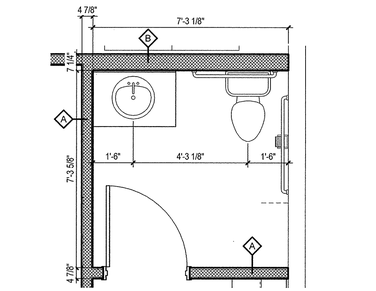
BRACKETT KRENNERICH & ASSOCIATES, P.A. REGISTERED ARCHITECTS C13 ARKANSAS 28 Feb 2011

Commission Number 11910

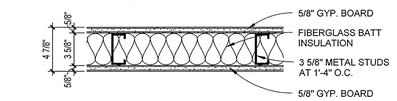
A002

Date: February 22, 2011

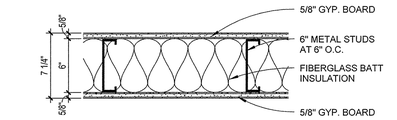
C:\Users\kyle\Documents\Local Revit Projects\ASU UA and IR Renovation\CD Local 1 17_2011.rvt



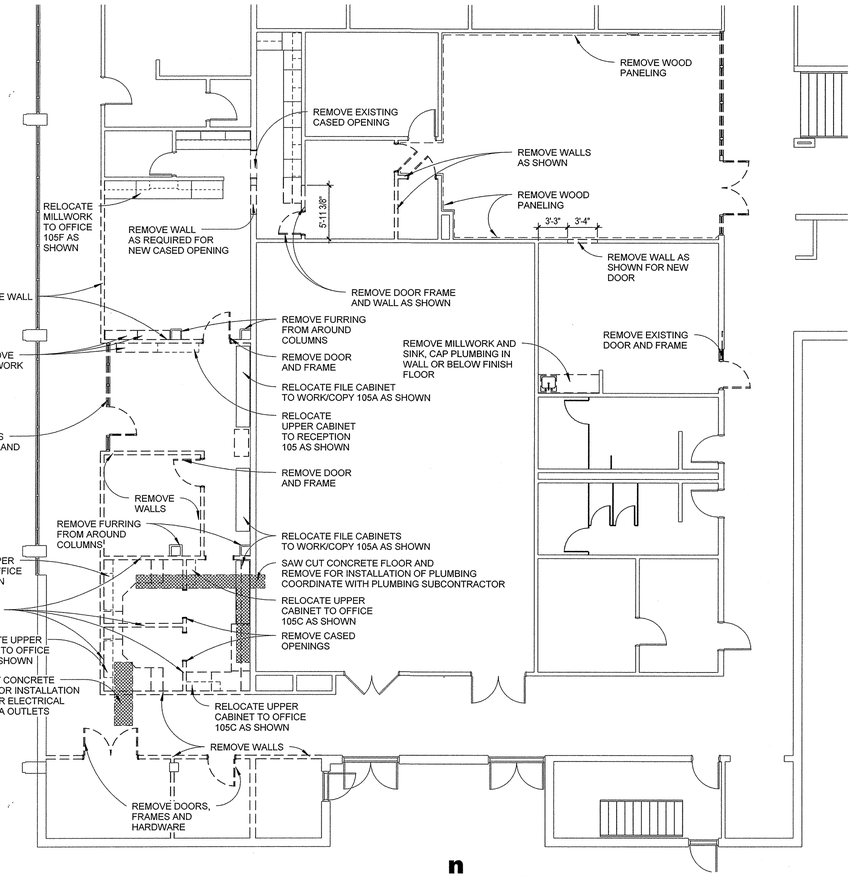
1 enlarged toilet plan
SCALE: 3/8" = 1'-0"



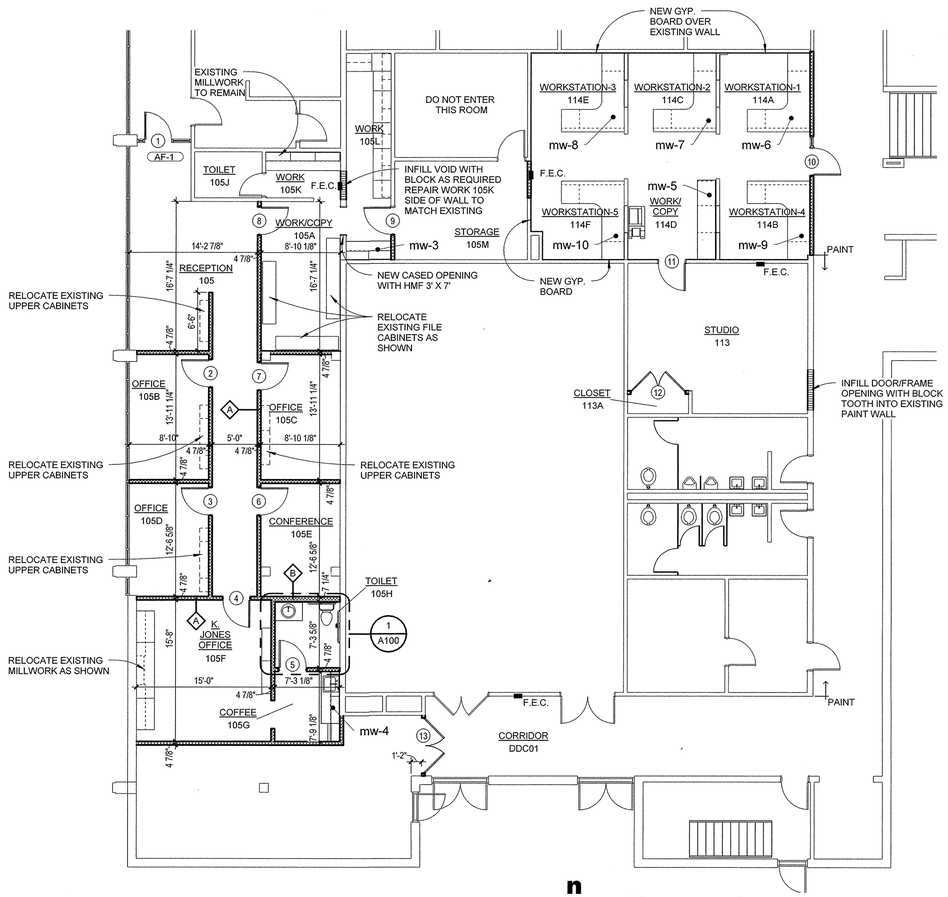
A interior wall type
SCALE: 1 1/2" = 1'-0"



B interior wall type
SCALE: 1 1/2" = 1'-0"



demolition plan
SCALE: 1/8" = 1'-0"



floor plan
SCALE: 1/8" = 1'-0"

OFFICE RENOVATIONS FOR

Institutional Research and University Advancement

ARKANSAS STATE UNIVERSITY

Jonesboro, Arkansas

BRACKETT KRENNERICH architects

100 East Huntington Ave. Suite D P.O. Box 1655

870-932-0571 Fax 870-932-0975 www.bkarchts.com

BRACKETT-KRENNERICH & ASSOCIATES, P.A. REGISTERED ARCHITECTS 213 ARKANSAS

28 FEB 2011

Commission Number 11910

A100

Date: February 22, 2011

C:\Users\kyle\Documents\Local Revit Projects\ASU UA and IR Renovation\CD Local 17 2011.rvt

ARCHITECTURAL

- 2x2 SUSP. ACOUSTICAL CEILING SYSTEM
- GYP. BOARD

MECHANICAL

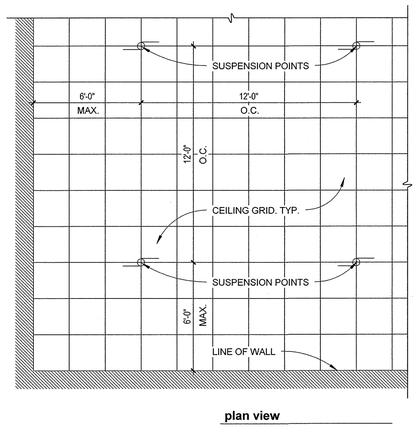
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- EXHAUST FAN

SEE MECHANICAL PLAN FOR FURTHER DETAILS AND INFORMATION

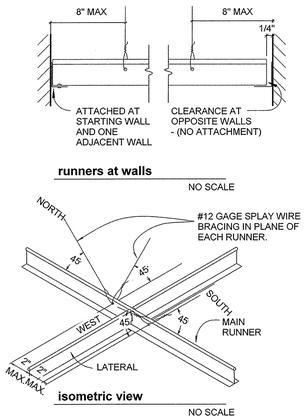
ELECTRICAL

- 2x4 FLUORESCENT LIGHT FIXTURE
- RECESSED CEILING LIGHT FIXTURE
- FLUORESCENT STRIP LIGHT
- EXIT SIGN

SEE ELECTRICAL PLAN FOR FURTHER DETAILS AND INFORMATION

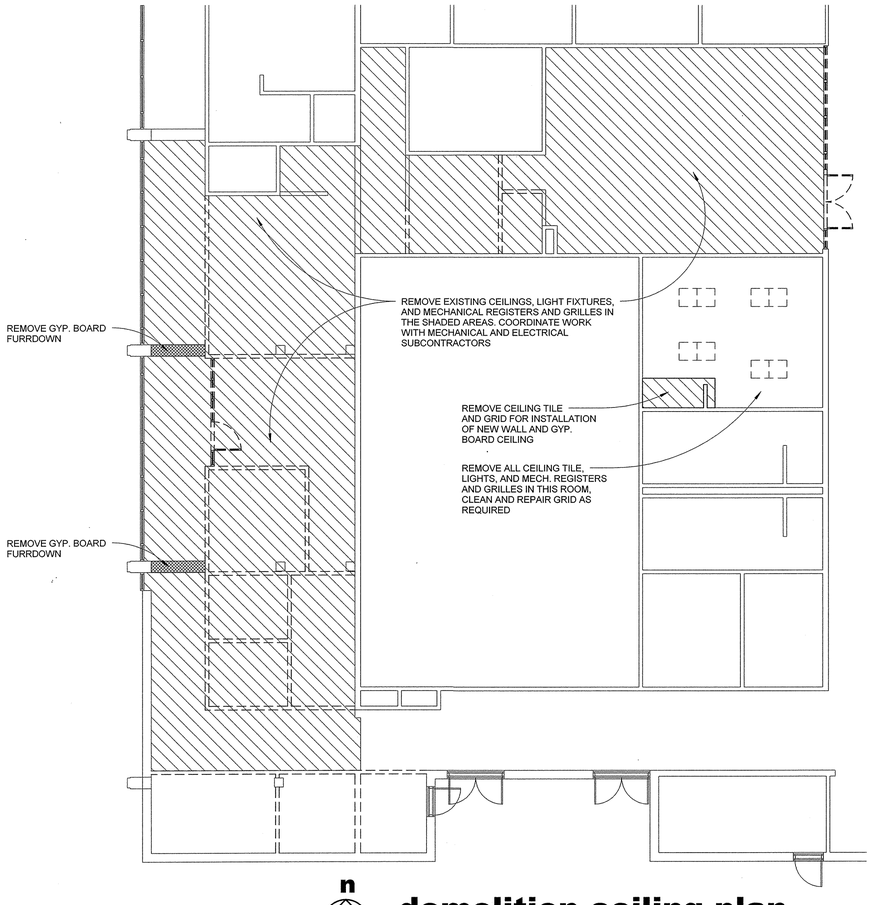


plan view



1 seismic detail

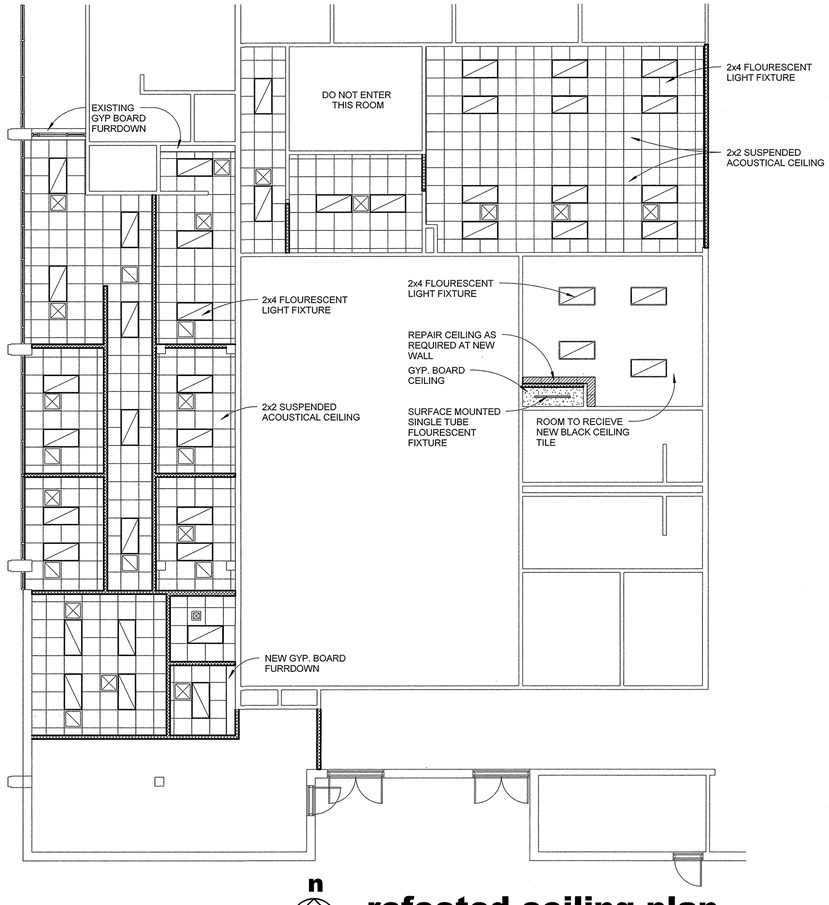
SCALE: 1/4" = 1'-0"



n

demolition ceiling plan

SCALE: 1/8" = 1'-0"



n

refected ceiling plan

SCALE: 1/8" = 1'-0"

OFFICE RENOVATIONS FOR

Institutional Research and University Advancement

ARKANSAS STATE UNIVERSITY

Jonesboro, Arkansas

BRACKETT KRENNERICH architects

100 East huntington Ave. Suite D P.O. Box 1655

870-932-0571 Fax 870-932-0975 www.bkarchts.com

BRACKETT KRENNERICH & ASSOCIATES, P.A. REGISTERED ARCHITECTS 1613 ARKANSAS

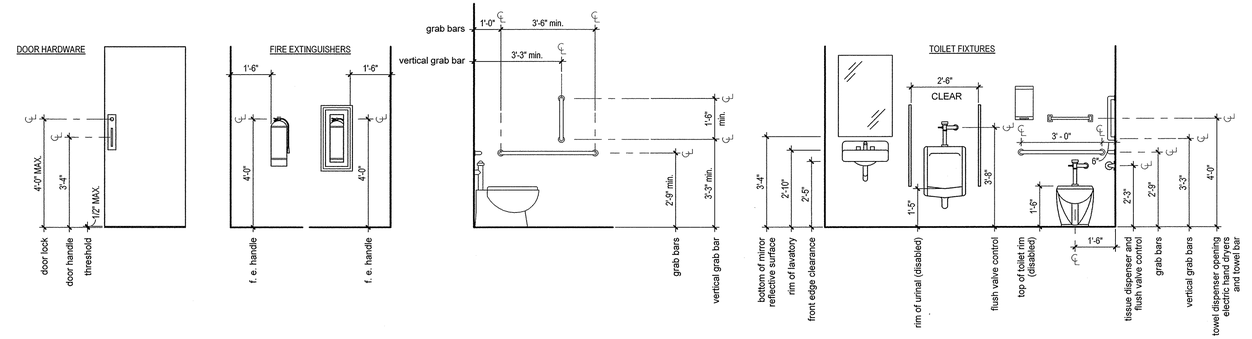
28 FEB 2011

Commission Number 11910

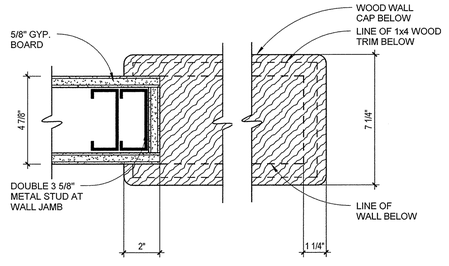
A400

Date: February 22, 2011

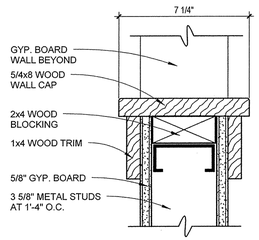
C:\Users\kyle\Documents\Local Revit Projects\ASU UA and IR Renovation\CD Local 1 17 2011.rvt



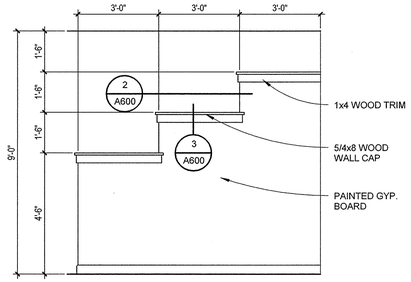
ADA Mounting Heights
3/8" = 1'-0"



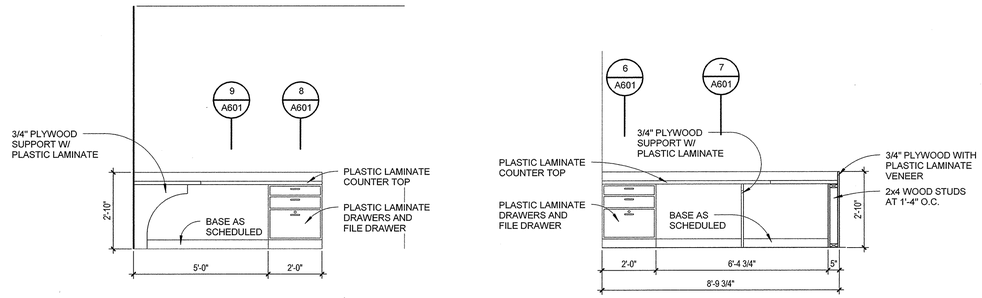
2 wall cap detail
SCALE: 3" = 1'-0"



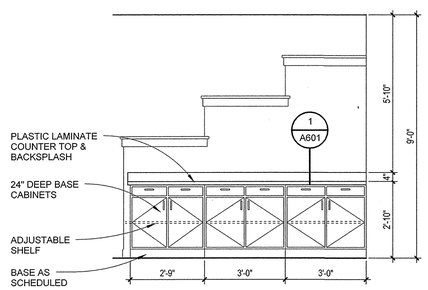
3 wall cap detail
SCALE: 3" = 1'-0"



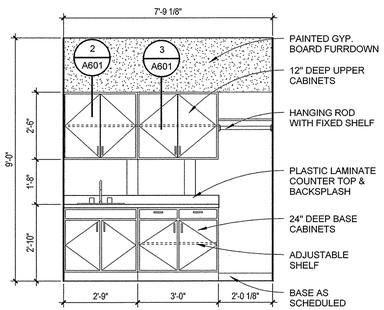
1 step wall elevation
SCALE: 3/8" = 1'-0"



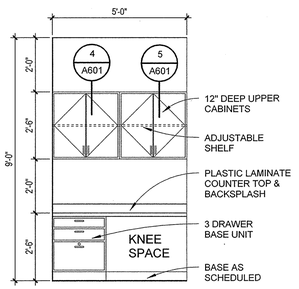
millwork 6, 7, 8 (millwork 9&10 opposite hand)
3/8" = 1'-0"



millwork 5
3/8" = 1'-0"



millwork 4
3/8" = 1'-0"



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

MILLWORK 1 & 2
OMITTED

millwork 1&2
3/8" = 1'-0"

OFFICE RENOVATIONS FOR
Institutional Research and University Advancement
ARKANSAS STATE UNIVERSITY
Jonesboro, Arkansas

BRACKETT KRENNERICH architects
100 East huntington Ave. Suite D P.O. Box 1655
870-932-0571 Fax 870-932-0975 www.bkarchts.com

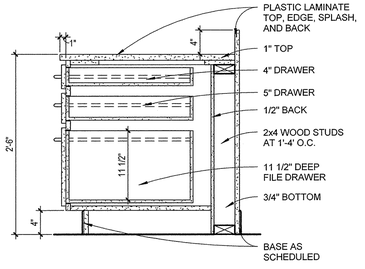
BRACKETT KRENNERICH & ASSOCIATES, P.A.
REGISTERED ARCHITECTS
013
ARKANSAS
28 FEB 2011

Commission Number
11910

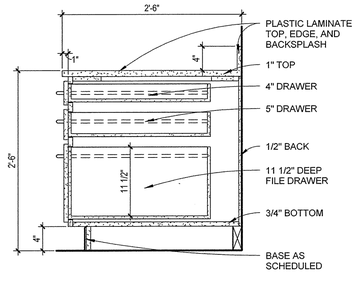
A600

Date: February 22, 2011

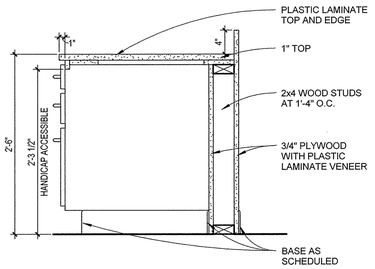
C:\Users\kyle\Documents\Local Revit Projects\ASU UA and IR Renovation\CD Local 1 17 2011.rvt



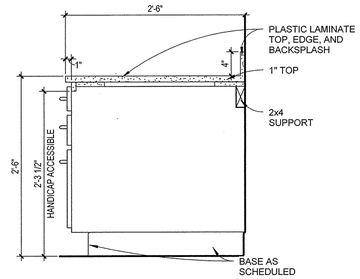
8 cabinet section
SCALE: 1" = 1'-0"



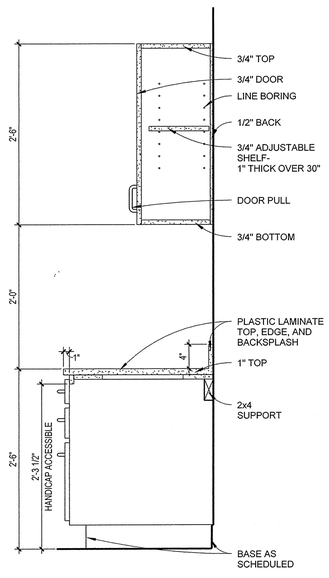
6 cabinet section
SCALE: 1" = 1'-0"



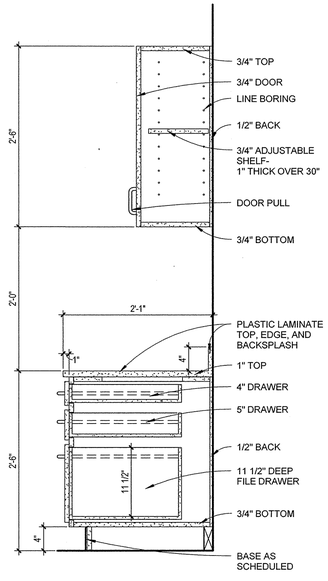
9 cabinet section
SCALE: 1" = 1'-0"



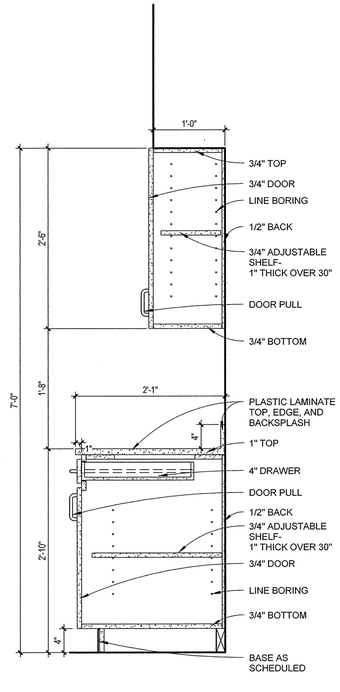
7 cabinet section
SCALE: 1" = 1'-0"



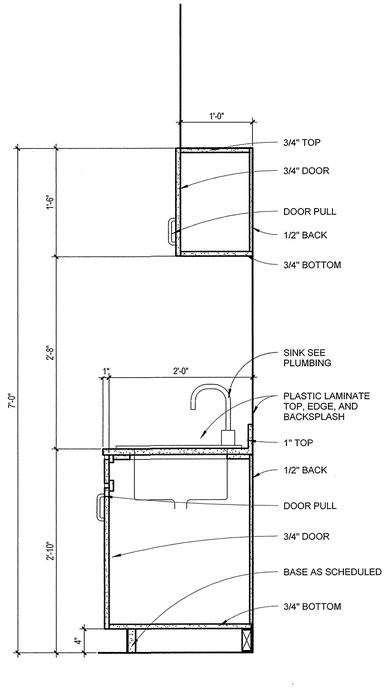
5 cabinet section
SCALE: 1" = 1'-0"



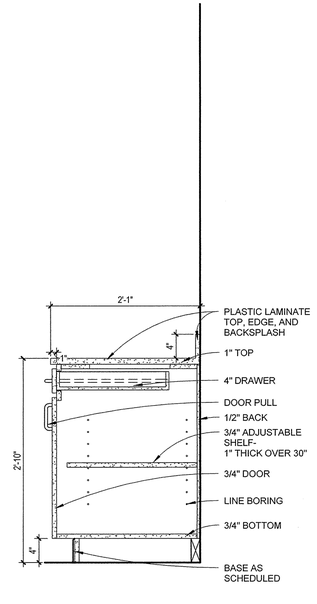
4 cabinet section
SCALE: 1" = 1'-0"



3 cabinet section
SCALE: 1" = 1'-0"



2 cabinet section
SCALE: 1" = 1'-0"



1 cabinet section
SCALE: 1" = 1'-0"

OFFICE RENOVATIONS FOR

Institutional Research and University Advancement

ARKANSAS STATE UNIVERSITY

Jonesboro, Arkansas

BRACKETT KRENNERICH architects

100 East huntington Ave. Suite D P.O. Box 1655

870-932-0571 Fax 870-932-0975 www.bkarchts.com

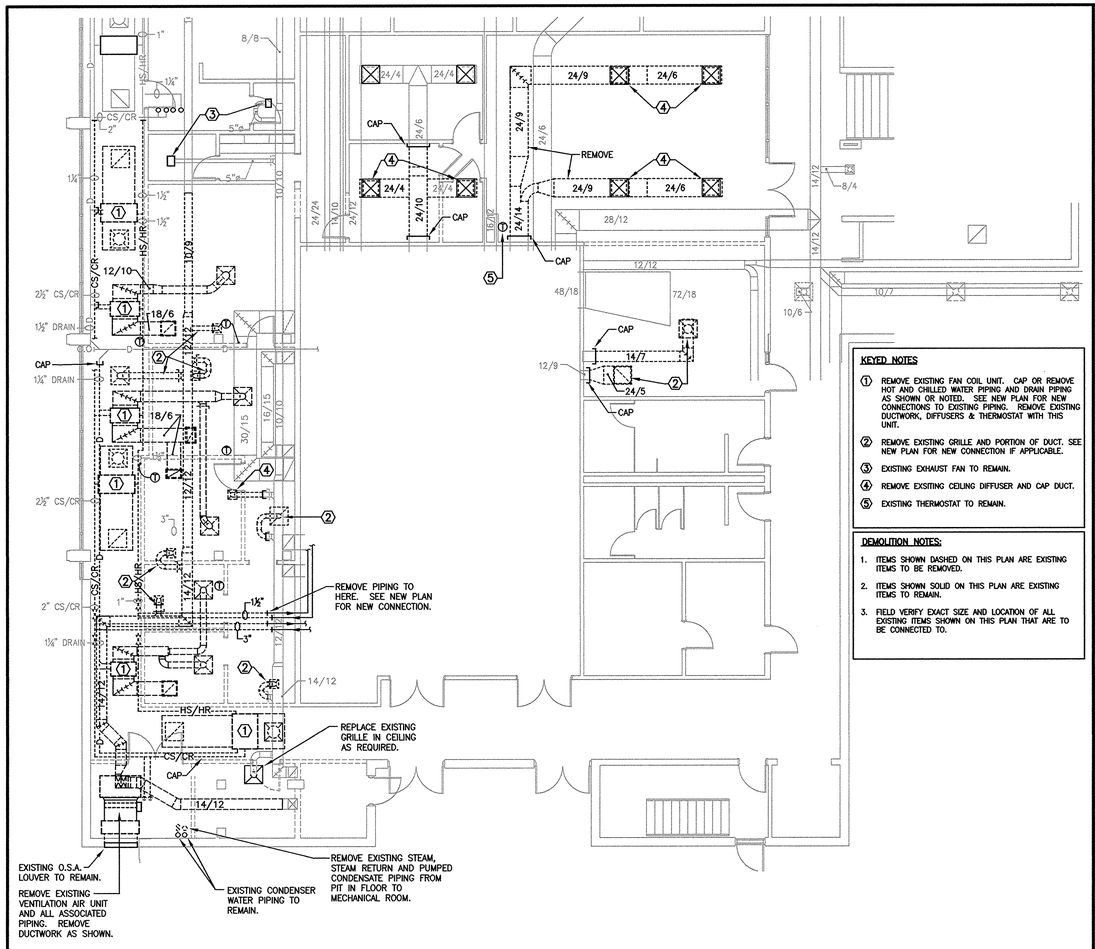
BRACKETT KRENNERICH & ASSOCIATES, P.A. REGISTERED ARCHITECTS C-1 ARKANSAS 28 Feb 2011

Commission Number 11910

A601

Date: February 22, 2011

C:\Users\kyle\Documents\Local Revit Projects\ASU UA and IR Renovation\CD Local 1 17 2011.rvt



KEYED NOTES

1. REMOVE EXISTING FAN COIL UNIT. CAP OR REMOVE HOT AND CHILLED WATER PIPING AND DRAIN PIPING AS SHOWN OR NOTED. SEE NEW PLAN FOR NEW CONNECTIONS TO EXISTING PIPING. REMOVE EXISTING DUCTWORK, DIFFUSERS & THERMOSTAT WITH THIS UNIT.
2. REMOVE EXISTING GRILLE AND PORTION OF DUCT. SEE NEW PLAN FOR NEW CONNECTION IF APPLICABLE.
3. EXISTING EXHAUST FAN TO REMAIN.
4. REMOVE EXISTING CEILING DIFFUSER AND CAP DUCT.
5. EXISTING THERMOSTAT TO REMAIN.

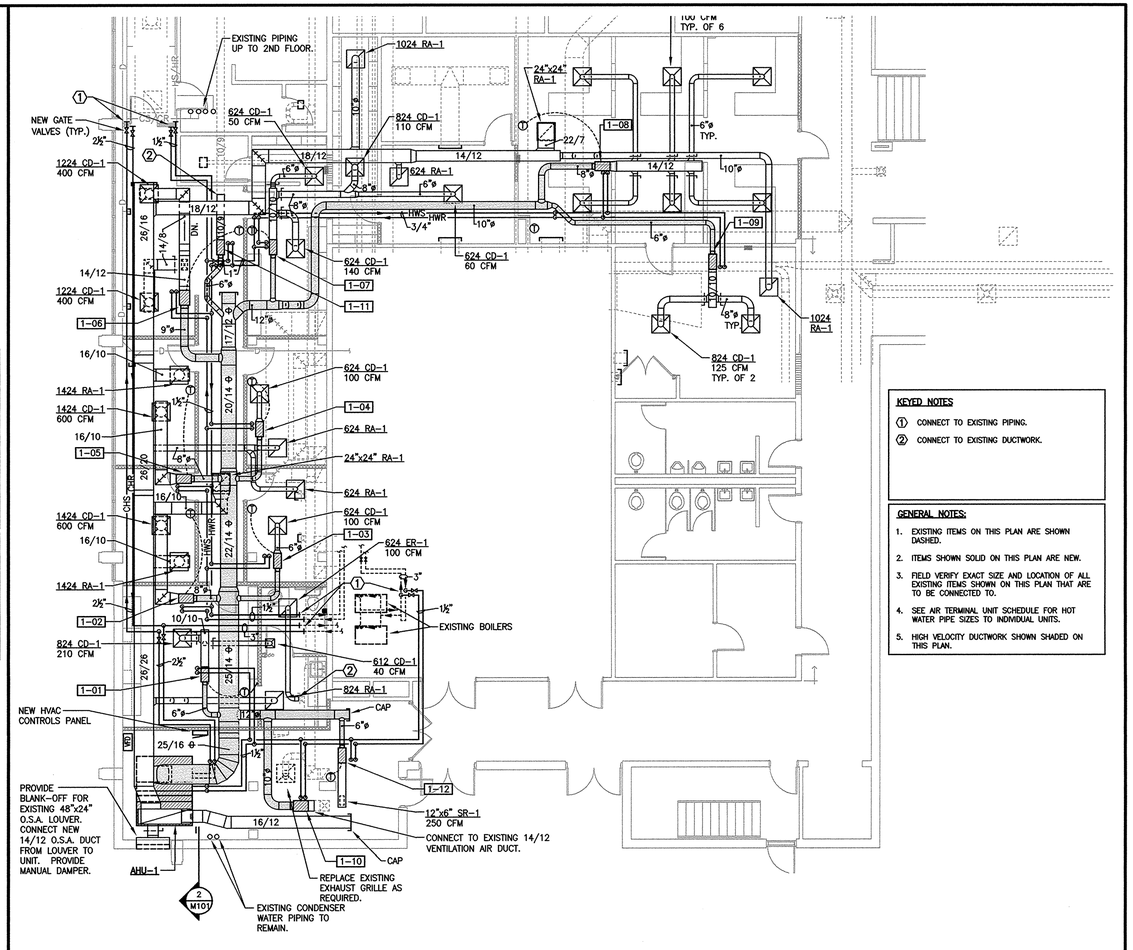
DEMOLITION NOTES:

1. ITEMS SHOWN DASHED ON THIS PLAN ARE EXISTING ITEMS TO BE REMOVED.
2. ITEMS SHOWN SOLID ON THIS PLAN ARE EXISTING ITEMS TO REMAIN.
3. FIELD VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING ITEMS SHOWN ON THIS PLAN THAT ARE TO BE CONNECTED TO.

1 Demolition plan - HVAC

1/8" = 1'-0"

SCALE:



KEYED NOTES

1. CONNECT TO EXISTING PIPING.
2. CONNECT TO EXISTING DUCTWORK.

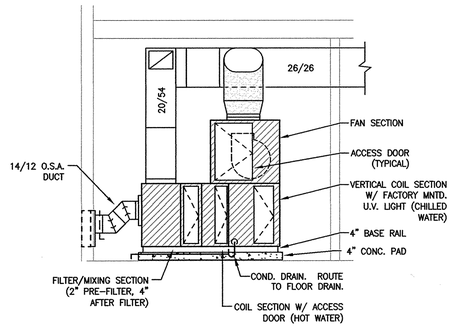
GENERAL NOTES:

1. EXISTING ITEMS ON THIS PLAN ARE SHOWN DASHED.
2. ITEMS SHOWN SOLID ON THIS PLAN ARE NEW.
3. FIELD VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING ITEMS SHOWN ON THIS PLAN THAT ARE TO BE CONNECTED TO.
4. SEE AIR TERMINAL UNIT SCHEDULE FOR HOT WATER PIPE SIZES TO INDIVIDUAL UNITS.
5. HIGH VELOCITY DUCTWORK SHOWN SHADED ON THIS PLAN.

2 Floorplan - HVAC

1/8" = 1'-0"

SCALE:



3 Section

1/4" = 1'-0"

OFFICE RENOVATIONS FOR

Institutional Research and University Advancement

ARKANSAS STATE UNIVERSITY

Jonesboro, Arkansas

BRACKETT KRENNERICH architects

100 East huntington Ave. Suite D P.O. Box 1655

870-932-0571 Fax 870-932-0975 www.bkarchts.com

PETTIT & PETTIT CONSULTING ENGINEERS, INC. LITTLE ROCK, ARKANSAS

Commission Number 11910

M101

Date: February 22, 2011

AIR HANDLING UNIT SCHEDULE

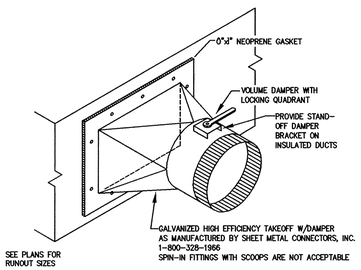
DESIG.	MFR/MDL	AREA SERVED	O.S.A.	SUPPLY FAN DATA				CHILLED WATER COIL									HEATING WATER COIL								SUPPLY FAN MOTOR DATA			REMARKS
				CFM	ESP/TSP	TYPE	DIA.	EAT	LAT	MBH TOTAL	MBH SENS.	EWT	LWT	GPM	W.P.D.	ROW/FIN	FACE VELOCITY	APD	CFM	EAT/LAT	EWT/LWT	GPM	W.P.D.	MBH	ROW/FIN	FACE VELOCITY	APD	BHP	HP	VOLT/PH	
AHU-1	McQUAY / CAH014GDAC	1st Floor West	1,000	6,750	2.5"/ 5.56"	AIRFOIL	16.19"	85° d.b. 72° w.b.	54.9° d.b. 54.7° w.b.	385.29	222.32	45°	56.8°	65.4	10.6'	6 / 120 FPF	483 FPM	1.14"	6,750	35°/ 59.4°	150°/ 130.5°	18.5	2.30'	180.05	1/132 FPF	508 FPM	.18"	8.99	10	208 / 3ø	VARIABLE VOLUME UNIT. (VFD BY OWNER) PROVIDE 4" FILTERS W/ 2" PRE FILTERS, U.V. LIGHT. SEE UNIT ELEVATIONS FOR UNIT ARRANGMENT.

AIR TERMINAL SCHEDULE (AHU-1)

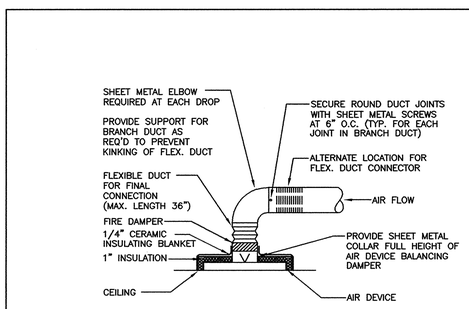
DESIG.	MFR/MDL	TYPE	PRIMARY CFM		INLET SIZE	OUTLET W x H	HEATING WATER COIL DATA								REMARKS
			MIN.	MAX.			CFM	APD	MBH	EWT/LWT	EAT/LAT(COIL)	GPM	PIPE SIZE	WPD	ROW/FIN	
1-01	TITUS/ DESV 06	SINGLE DUCT VARIABLE VOLUME	125	250	6"ø	12"x8"	125	0.10"	5.7	130°/118.6°	55°/97°	1.0	1/2"	.30'	2/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-02	TITUS/ DESV 08	SINGLE DUCT VARIABLE VOLUME	210	600	8"ø	12"x10"	210	0.27"	9.8	130°/122.1°	55°/98°	2.5	3/4"	2.0'	2/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-03	TITUS/ DESV 04	SINGLE DUCT VARIABLE VOLUME	50	100	4"ø	12"x8"	50	0.01"	2.3	130°/120.8°	55°/98°	0.5	1/2"	.20'	1/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-04	TITUS/ DESV 04	SINGLE DUCT VARIABLE VOLUME	50	100	4"ø	12"x8"	50	0.01"	2.3	130°/120.8°	55°/98°	0.5	1/2"	.20'	1/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-05	TITUS/ DESV 07	SINGLE DUCT VARIABLE VOLUME	210	600	8"ø	12"x10"	210	0.27"	9.8	130°/122.1°	55°/98°	2.5	3/4"	2.0'	2/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-06	TITUS/ DESV 09	SINGLE DUCT VARIABLE VOLUME	280	800	9"ø	14"x12.5"	280	0.23"	13.2	130°/121.2°	55°/99°	3.0	3/4"	1.5'	2/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-07	TITUS/ DESV 06	SINGLE DUCT VARIABLE VOLUME	190	375	6"ø	12"x8"	190	0.20"	7.8	130°/119.6°	55°/93°	2.0	3/4"	0.6'	2/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-08	TITUS/ DESV 08	SINGLE DUCT VARIABLE VOLUME	300	600	8"ø	12"x10"	300	0.27"	12.4	130°/121.7°	55°/93°	3.0	3/4"	2.7'	2/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-09	TITUS/ DESV 06	SINGLE DUCT VARIABLE VOLUME	125	250	6"ø	12"x8"	125	0.10"	5.7	130°/118.6°	55°/97°	1.0	1/2"	.30'	2/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-10	TITUS/ DESV 10	SINGLE DUCT VARIABLE VOLUME	800	800	10"ø	14"x12.5"	800	0.23"	15.8	130°/98.3°	55°/73°	1.0	1/2"	.20'	2/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-11	TITUS/ DESV 06	SINGLE DUCT VARIABLE VOLUME	400	400	6"ø	12"x8"	400	0.22"	9.9	130°/110.2°	55°/78°	1.0	1/2"	.30'	2/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.
1-12	TITUS/ DESV 06	SINGLE DUCT VARIABLE VOLUME	0	250	6"ø	12"x8"	150	0.10"	6.3	130°/117.3°	55°/94°	1.0	1/2"	.30'	2/10 FPI	PROVIDE DISCONNECT SWITCH AND CONTROL POWER TRANFORMER.

AIR DEVICE SCHEDULE

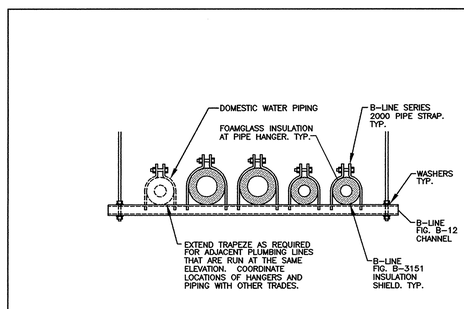
DESIG.	MFR./MDL.	TYPE	FACE SIZE	FINISH	FREE AREA	ACCESS.	REMARKS
CD-1	TUTTLE & BAILEY / 1300	LOUVER FACE (FIXED) CEILING SUPPLY	AS NOTED	WHITE	---	VOLUME CONTROL	2'x2' GRILLE WITH ROUND NECK WITH FIXED HORIZONTAL AIR DEFLECTION.
SR-1	TUTTLE & BAILEY / T54	DBL. DEFLECTION SIDEWALL SUPPLY	AS NOTED	WHITE	---	VOLUME CONTROL	
RA-1	TUTTLE & BAILEY / PR	PERF. FACE CEILING RETURN	AS NOTED	WHITE	51%	-----	
ER-1	TUTTLE & BAILEY / PR	PERF. FACE CEILING EXHAUST	AS NOTED	WHITE	51%	VOLUME CONTROL	ALL ALUMINUM CONSTRUCTION.



7 BRANCH DUCT TAP FITTING
N.T.S.

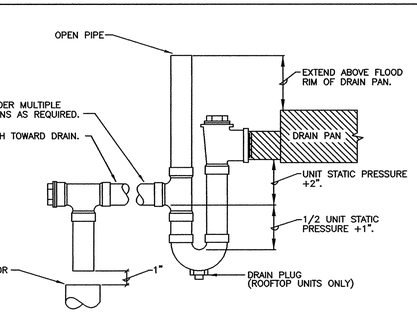


7 FIRE RATED DIFFUSER CONNECTION DETAIL
N.T.S.

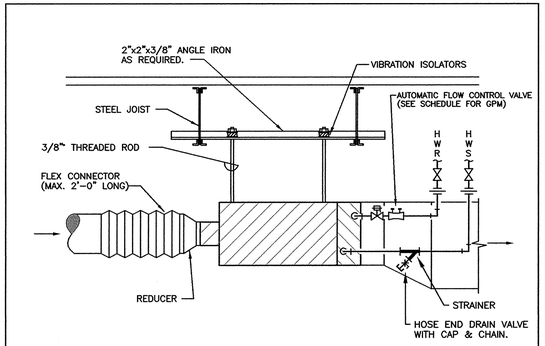


NOTE:
REFER TO PROJECT MANUAL FOR SEISMIC REQUIREMENTS.

6 PIPE HANGER DETAIL
N.T.S.



4 A.H.U. DRAIN PIPING
N.T.S.



5 V.A.V. TERMINAL MOUNTING
N.T.S.

GENERAL NOTES

1. DUE TO THE SMALL SCALE OF THIS DRAWING, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL COORDINATE AND ARRANGE HIS WORK ACCORDINGLY.
2. RESTRAIN ALL PIPING AND DUCTWORK PER SEISMIC ZONE REQUIREMENTS.
3. DUCT SIZES INDICATED ON PLANS ARE ACTUAL SHEET METAL SIZES AND DO ALLOW FOR INTERNAL INSULATION OF RECTANGULAR DUCT, IF APPLICABLE.
4. ROUND BRANCH DUCT RUNOUTS SHALL BE SAME SIZE AS DIFFUSER THROAT UNLESS OTHERWISE NOTED.
5. MOUNT ALL THERMOSTATS AT 54" ABOVE FINISHED FLOOR.
6. FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTIONS TO DIFFUSERS. A MAXIMUM LENGTH OF THREE FEET (3') SHALL BE USED.
7. ALL CEILING-MOUNTED SUPPLY DIFFUSERS SHALL HAVE FOUR-WAY (4-WAY) PATTERN UNLESS OTHERWISE INDICATED.
8. WHERE SPLITTER DAMPERS ARE LOCATED ABOVE NON-ACCESSIBLE CEILINGS, PROVIDE EXTENDED CONTROL ROD AND REGULATOR AS SPECIFIED.
9. WHERE MANUAL DAMPERS ARE INSTALLED IN EXTERNALLY INSULATED DUCTWORK, PROVIDE STAND-OFF BRACKET TO PREVENT COMPRESSION OF INSULATION BY DAMPER OPERATOR HANDLE.
10. PROVIDE TURNING VANES IN ALL 90-DEGREE ELBOWS.
11. PROVIDE SLEEVES THROUGH WALLS AND FLOORS. SEAL EXCESS OPENING WITH WATER-PROOF SEALANT. COORDINATE LOCATIONS AND SIZES OF SLEEVES WITH GENERAL CONTRACTOR. SLEEVES SHALL PROVIDE A MAXIMUM OF 1" CLEARANCE BETWEEN DUCT OR PIPE AND SLEEVE. SEAL PENETRATION IN FIRE/SMOKE RATED WALLS AND FLOOR WITH AN APPROVED FIRE/SMOKE BLOCK SEALANT.
12. EXTERNALLY INSULATE SUPPLY, RETURN, AND OUTSIDE AIR DUCTWORK UNLESS NOTED OTHERWISE.
13. EXHAUST DUCTWORK SHALL BE UN-INSULATED, UNLESS NOTED OTHERWISE.
14. EXTERNALLY INSULATE LOW-VELOCITY ROUND RUNOUT DUCTWORK.
15. EXTERNALLY INSULATE HIGH-VELOCITY, SINGLE-WALL ROUND AND OVAL DUCTWORK.
16. INSULATE THE TOP OF ALL SUPPLY AIR DIFFUSERS WITH A MINIMUM OF 1/2" THICK FIBERGLASS DUCT WRAP.
17. INSULATE ALL PIPING, DUCTS, AND EQUIPMENT, WHETHER INDICATED OR NOT, WHICH ARE SUBJECT TO FREEZING OR CONDENSATION FORMATION.
18. RUN COOLING COIL CONDENSATE DRAINS FULL SIZE TO NEAREST FLOOR OR ROOF DRAIN.
19. ARRANGE PIPING TO ALLOW FOR PROPER SERVICE & ACCESS TO EQUIPMENT. INSTALL UNIONS AND ISOLATION VALVES TO ALLOW FOR REMOVAL OF EQUIPMENT WITHOUT DISTURBING MAINS.
20. PROVIDE ADDITIONAL DRAIN VALVES AND AIR VENTS AS REQUIRED TO PROPERLY DRAIN AND VENT ENTIRE PIPING SYSTEM.
21. PROVIDE WELLS FOR TEMPERATURE SENSORS FURNISHED WITH EQUIPMENT OR AS REQUIRED FOR TEMPERATURE CONTROL SYSTEM. COORDINATE REQUIREMENTS WITH CONTROLS CONTRACTOR.
22. PROVIDE REDUCERS AS REQUIRED. VERIFY SIZES WITH APPROVED EQUIPMENT SHOP DRAWINGS.
23. COORDINATE LOCATION OF DUCTS AND DIFFUSERS WITH STRUCTURAL FRAMING MEMBERS. OFFSET DUCTS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS.
24. COORDINATE LOCATIONS AND ELEVATION OF DUCT RUNS WITH PLUMBING, SPRINKLER, AND ELECTRICAL CONTRACTORS.
25. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

POWERING MINDS

OFFICE RENOVATIONS FOR
Institutional Research and University Advancement
ARKANSAS STATE UNIVERSITY
Jonesboro, Arkansas

BRACKETT KRENNERICH architects
100 East Huntington Ave. Suite D P.O. Box 1655
870-932-0571 Fax 870-932-0975 www.bkarchts.com

CORPORATE REGISTRATION PETTIT & PETTIT CONSULTING ENGINEERS, INC. No. 78 ARKANSAS ENGINEER

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 9059 DONALD R. PETTIT 2-24-11

PETTIT & PETTIT
CONSULTING ENGINEERS, INC.
LITTLE ROCK, ARKANSAS

Commission Number
11910

M201

Date: February 22, 2011

GENERAL PLUMBING NOTES

1. FIELD VERIFY EXISTING PLUMBING FIXTURE LOCATIONS, TYPE ETC– VERIFY EXISTING PLUMBING PIPING LOCATIONS, SIZES, ETC. OF ANY EXISTING PIPING NOTED, SHOWN OR IMPLIED, TO WHICH NEW PIPING IS RELATED OR CONNECTED.
2. CLOSE COORDINATION AND COOPERATION SHALL BE MAINTAINED BETWEEN TRADES WITH REGARD TO PLUMBING, HVAC, FIRE PROTECTION AND ELECTRICAL PLANS.
3. CUT WALLS, FLOORS OR CEILINGS AS REQUIRED TO INSTALL NEW PIPING. ALL FURRING AND REPAIRING SHALL BE BY THE GENERAL CONTRACTOR. COORDINATE REQUIREMENTS WITH THE GENERAL CONTRACTOR.
4. REWORK EXISTING WATER, SANITARY AND VENT PIPING AS REQUIRED TO INSTALL NEW PLUMBING FIXTURES.
5. WHERE EXISTING FIXTURES AND EQUIPMENT ARE REMOVED AND NOT REPLACED, CAP ALL PIPING WITHIN WALLS, FLOORS OR CEILINGS ARE REQUIRED FOR CONCEALMENT.
6. REMOVE ALL EXPOSED EXISTING PIPING WHICH IS DEEMED INOPERABLE AS A RESULT OF THIS CONTRACT UNLESS SHOWN OR NOTED OTHERWISE.
7. EXISTING PIPE, TO WHICH NEW PIPE IS CONNECTED, SHALL BE RODDED, FLUSHED AND CLEANED FROM POINT OF CONNECTION TO MAIN OUTSIDE BUILDING.
8. EXISTING FLOOR DRAINS WITHIN SCOPE OF CONSTRUCTION SHALL BE THOROUGHLY CLEANED AND BUFFED. EXISTING PIPING SHALL BE RODDED AND CLEANED TO THE POINT OF CONNECTION TO THE MAIN.
9. PROVIDE CLEANOUT CLEARANCE IN ACCORDANCE WITH THE ARKANSAS STATE PLUMBING CODE, BUT DO NOT LOCATE IN FOOT TRAFFIC PATHWAYS. DO NOT LOCATE CLEANOUTS IN FLOORS WITH CARPET. (FIELD COORDINATE) LOCATE FLOOR CLEANOUT NEAR WALLS, IN JANITORS ROOM, STORAGE ROOM, ETC., DO NOT LOCATE NEAR DOORWAYS
10. ALL PLUMBING FIXTURES, VALVES AND EQUIPMENT WHICH ARE TO BE REMOVED AND NOT RELOCATED SHALL BECOME THE PROPERTY OF THE OWNER AND DELIVERED TO STORAGE ON SITE AS DIRECTED BY THE OWNER. ALL PIPING SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE JOB SITE.

DRAIN SCHEDULE

SYMBOL	MANUFACTURER	
FD–1	WADE SERIES 9150–16 FLOOR SINK, 12"X12"X10" DEEP, ALUMINUM DOME SECONDARY STRAINER, ¾ NICKEL BRONZE HINGED GRATE– W/TRAP PRIMER TAP –WITH TRAP PRIMER TAP	LOCATED IN MECH. ROOM'S

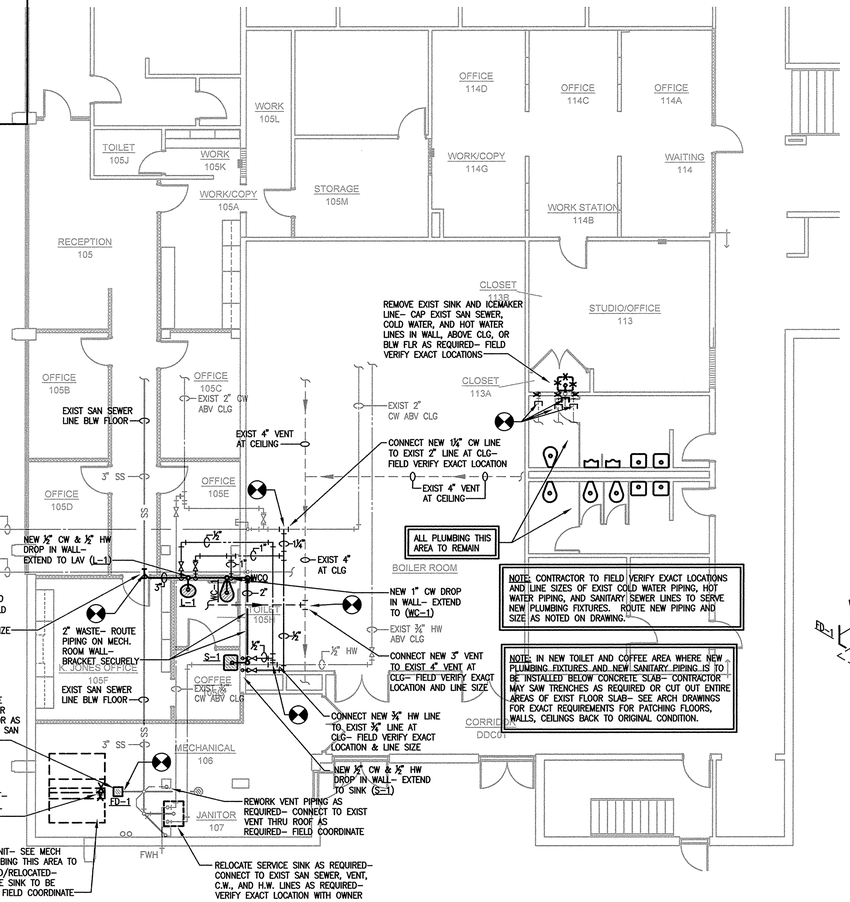
NOTE: ALL FLOOR DRAINS SHALL BE ACCESSORIZE FOR VANDAL PROOF INSTALLATION
ALL FLOOR DRAINS SHALL HAVE TRAP PRIMERS

FIXTURE LEGEND

SYMBOL	DESCRIPTION
	EXISTING FIXTURE TO BE REMOVED
	EXISTING FIXTURE TO REMAIN
	NEW FIXTURE

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
——SS——	SANITARY SEWER (ON SITE)	FD	FLOOR DRAIN
– – – – –	SANITARY VENT	RD	ROOF DRAIN
——·——	COLD WATER	VTR	VENT THRU ROOF
——··——	HOT WATER	HB	HOSE BIBB
——···——	HOT WATER RETURN	FWH	FREEZELESS WALL HYDRANT
——SD——	STORM DRAIN	CO	CLEANOUT PLUG
——D——	INDIRECT DRAIN	FCO	FLOOR CLEANOUT
——OSD——	OVERFLOW STORM DRAIN	WCO	WALL CLEANOUT
——G——	NATURAL GAS (LOW PRESSURE GAS)	ECO	EXTERIOR CLEANOUT
——►——	FLOW DIRECTION	R / J	DENOTES – SANITARY VENT STACK THRU ROOF
——⋈——	GATE VALVE	P-X / X	RISER DIAGRAM; LOCATION SHEET #; RISER DIAGRAM NUMBER — RISER DESIGNATION
——⋈——	BALL VALVE		NEW CONNECTION TO EXISTING
——⋈——	PLUG COCK – GAS COCK	×–×–×	EXISTING PIPING TO BE REMOVED OR ABANDONED
——⋈——	PRESSURE REDUCING VALVE	———	EXISTING PIPING TO REMAIN
——⋈——	STRAINER	×–×–[	CAP AND SEAL AIR OR WATER TIGHT
——‖——	UNION	×–×–‖	TERMINATION POINT OF DEMOLITION

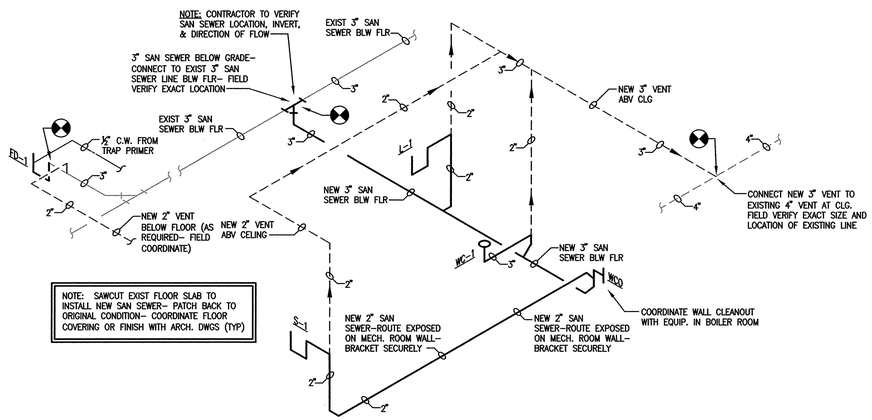


NOTE: CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS AND LINE SIZES OF EXIST COLD WATER PIPING, HOT WATER PIPING, AND SANITARY SEWER LINES TO SERVE NEW PLUMBING FIXTURES. ROUTE NEW PIPING AND SIZE AS NOTED ON DRAWING.

NOTE: IN NEW TOILET AND COFFEE AREA WHERE NEW PLUMBING FIXTURES AND NEW SANITARY PIPING IS TO BE INSTALLED BELOW CONCRETE SLAB– CONTRACTOR MAY SAW TRENCHES AS REQUIRED OR CUT OUT ENTIRE AREAS OF EXIST FLOOR SLAB– SEE ARCH DRAWINGS FOR EXACT REQUIREMENTS FOR PATCHING FLOORS, WALLS, CEILINGS BACK TO ORIGINAL CONDITION.

n plan - plumbing

SCALE: 1/8" = 1'-0"



1 WASTE & VENT RISER

SCALE: NONE

OFFICE RENOVATIONS FOR

Institutional Research and University Advancement

ARKANSAS STATE UNIVERSITY

Jonesboro, Arkansas

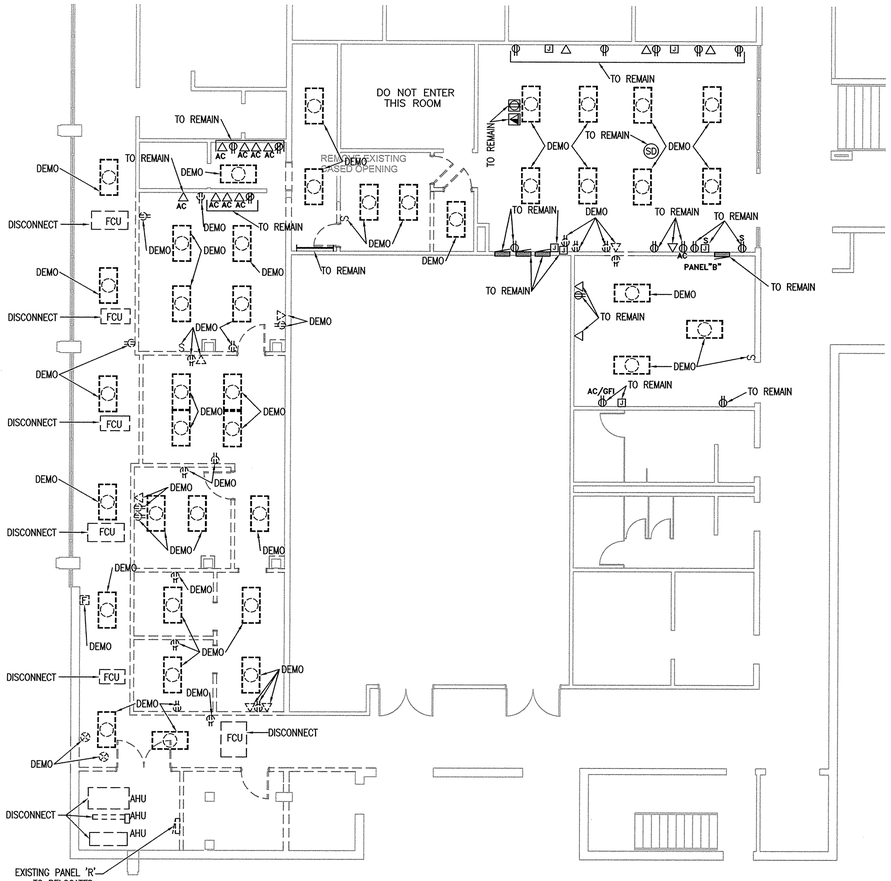
BRACKETT KRENNERICH architects
100 East huntington Ave. Suite D P.O. Box 1655
870-932-0571 Fax 870-932-0975
www.bkarchts.com

PETTIT & PETTIT CONSULTING ENGINEERS, INC. LITTLE ROCK, ARKANSAS

Commission Number 11910

P101

Date: February 22, 2011

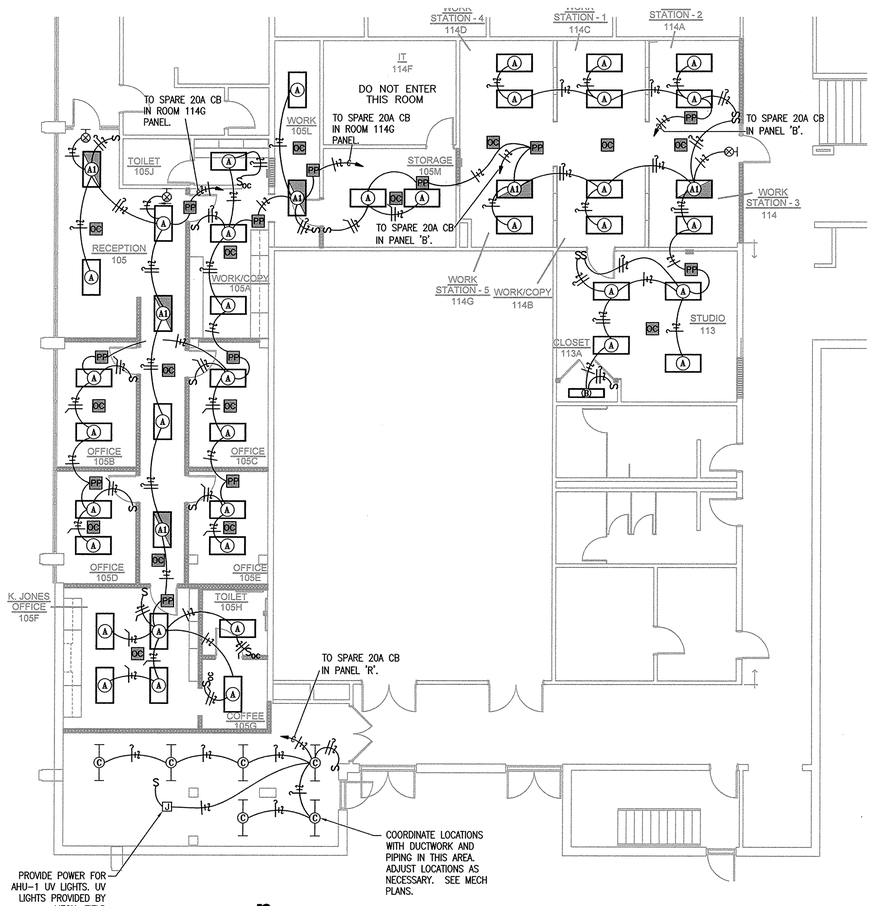


demolition plan - electrical

SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. THE ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO VISIT THE SITE TO FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO BID.
2. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL DEMOLITION INDICATED ON THESE DRAWINGS. ALL WIRING DEVICES, LIGHT FIXTURES, WIRE, & CONDUIT THAT IS TO BE REMOVED SHALL BE STORED AS DIRECTED BY THE OWNER OR RELOCATED AS SHOWN ON THE NEW FLOOR PLAN. APPROPRIATE MEASURES SHALL BE TAKEN TO ASSURE CONTINUITY OF EXISTING CIRCUITS WHERE REQUIRED, AND ALL OUTAGES WHICH MAY RESULT SHALL BE COORDINATED WITH THE OWNER PRIOR TO THE WORK.
3. ALL EXISTING BRANCH CIRCUITS NOT USED SHALL BE REMOVED BACK TO SERVING PANELBOARD. THE CIRCUIT BREAKERS SHALL BE LABELED AS SPARE.
4. DEMO THE DEVICES IN THE DASHED WALL. REMOVE WIRE AND CONDUIT BACK TO THE NEAREST PANEL OR J-BOX. RE-LABEL THE PANEL AS REQUIRED. MAINTAIN THE EXISTING CIRCUIT CONTINUITY IF THE CIRCUIT CONTINUES.
5. EXISTING LIGHT FIXTURES AND DEVICES DEMOLISHED SHALL BE RETURNED TO THE OWNER, UNLESS THEY ARE RE-USED IN THE NEW PLAN. REMOVE THE CONDUIT AND WIRE BACK TO THE NEAREST J-BOX. MAINTAIN THE EXISTING CIRCUIT CONTINUITY IF THE EXISTING CIRCUIT CONTINUES.
6. MECHANICAL EQUIPMENT REMOVED BY OTHERS. DISCONNECT EXISTING WIRING AND CONDUIT. EXISTING CONDUIT AND WIRE TO REMAIN AND BE REUSED.
7. DASHED LINES INDICATE EXISTING FIXTURES, EQUIPMENT, DEVICES, ETC., TO BE REMOVED.



floor plan - lighting

SCALE: 1/8" = 1'-0"

LIGHTING NOTES

1. SYMBOLS SHOWN DASHED ON PLANS INDICATES EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC.
2. VERIFY LOAD ON ALL EXISTING LIGHTING CIRCUITS SHOWN WITH NEW FIXTURE CONNECTIONS.
3. PROVIDE 120 VOLT, SINGLE POLE CIRCUIT BREAKERS FOR LIGHTING CIRCUIT HOME RUNS CALLED OUT ON PLANS IF NO SPARES ARE AVAILABLE IN DESIGNATED PANELS.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No.12363 ANTHONY DAVID AYCOCK 2-24-11

CORPORATE REGISTRATION PETTIT & PETTIT CONSULTING ENGINEERS, INC. No. 78 ARKANSAS ENGINEER

OFFICE RENOVATIONS FOR

Institutional Research and University Advancement

ARKANSAS STATE UNIVERSITY

Jonesboro, Arkansas

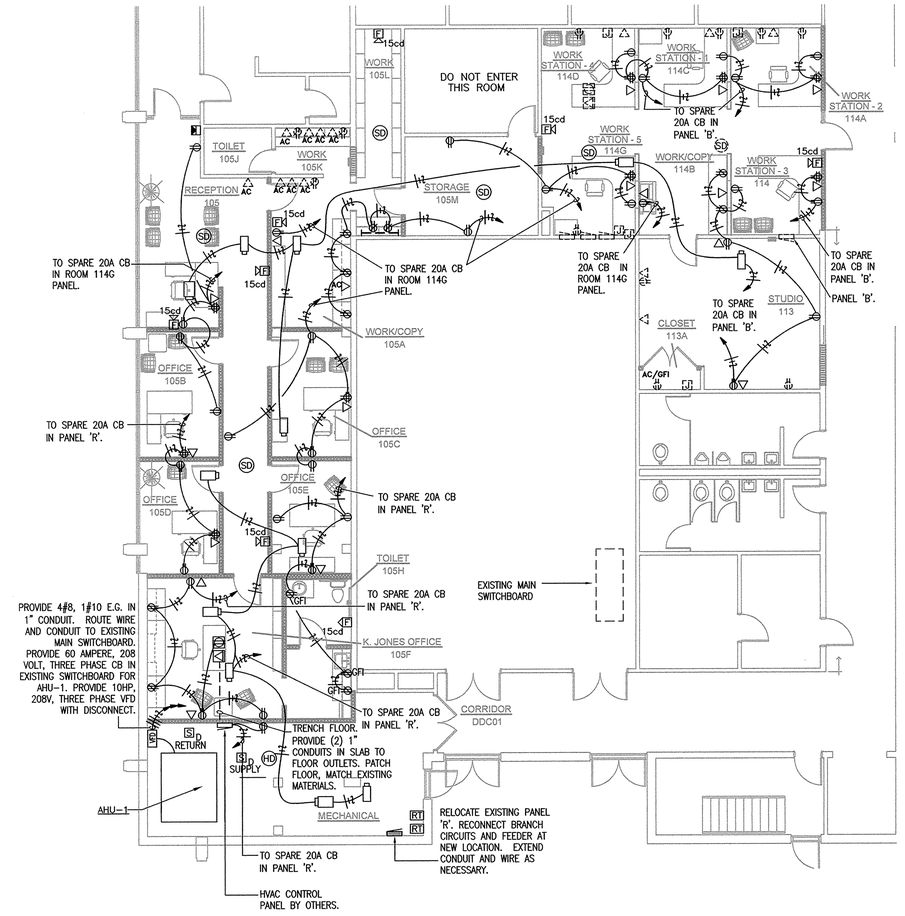
POWERING MINDS

BRACKETT KRENNERICH architects
100 East huntington Ave. Suite D P.O. Box 1655
870-932-0571 Fax 870-932-0975 www.bkarchts.com

Commission Number 11910

E101

Date: February 22, 2011



floor plan - power and systems

SCALE: 1/8" = 1'-0"

POWER AND SYSTEMS NOTES

1. SYMBOLS SHOWN DASHED ON PLANS INDICATES EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC.
2. PROVIDE BACK BOX, CONDUIT, CABLING, JACKS, AND FACEPLATES FOR DATA/COMMUNICATIONS. STUB UP CONDUIT FOR NEW DATA/COMMINCATIONS DEVICES TO ABOVE CORRIDOR ACCESSIBLE CEILING.
3. VERIFY LOAD ON ALL EXISTING RECEPTACLE CIRCUITS SHOWN WITH NEW RECEPTACLE CONNECTIONS.
4. REPLACE CABLING, JACKS, AND FACEPLATES FOR EXISTING DATA/COMMUNICATION DEVICES. MATCH OWNER'S STANDARDS.
5. PROVIDE CIRCUIT BREAKERS IN EXISTING PANEL IF NONE ARE AVAILABLE.
6. NEW FIRE ALARM DEVICES SHALL MATCH EXISTING SYSTEM DEVICES AND SHALL BE INTEGRATED INTO EXISTING SYSTEM, AND TESTED FOR FULL FUNCTIONALITY. THE EXISTING SYSTEM IS SIMPLEX.
7. NEW FAN COIL UNITS INSTALLED BY OTHERS. ELECTRICAL CONTRACTOR TO MAKE ELECTRICAL CONNECTION. CONNECT NEW FAN COIL UNITS TO NEAREST EXISTING 120 VOLT FAN COIL UNIT CIRCUIT. VERIFY LOAD PRIOR TO CONNECTION. EXTEND WIRE AND CONDUIT AS NECESSARY.

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 12383
ANTHONY DAVID AYCOCK
2-24-11

CORPORATE REGISTRATION
PETTIT & PETTIT CONSULTING ENGINEERS, INC.
No. 78
ARKANSAS ENGINEER

POWERING MINDS

OFFICE RENOVATIONS FOR

Institutional Research and University Advancement

ARKANSAS STATE UNIVERSITY

Jonesboro, Arkansas

BRACKETT KRENNERICH architects

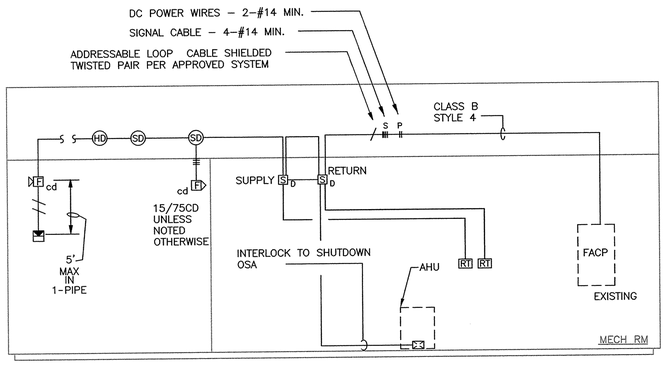
100 East huntington Ave. Suite D P.O. Box 1655

870-932-0571 Fax 870-932-0975 www.bkarchts.com

Commission Number
11910

E102

Date: February 22, 2011

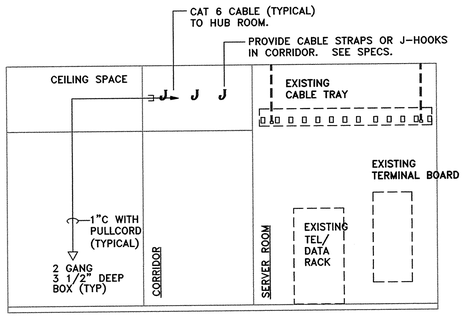


NOTE:
TYPICAL DEVICES ARE SHOWN – REFER TO PLANS FOR LOCATIONS AND QUANTITIES REQUIRED.

ALL WIRING IN CONDUIT.

FIRE ALARM SYSTEM RISER DIAGRAM

N.T.S. ADDRESSABLE SYSTEM



NOTE: TYPICAL DEVICES ARE SHOWN. REFER TO PLANS FOR LOCATIONS AND QUANTITIES REQUIRED.

TYPICAL VOICE/DATA RISER DIAGRAM

NTS

NOTES:

1. PROVIDE BACKBOX, CONDUIT, CABLING, OUTLETS, AND FACEPLATES FOR DATA DEVICES.
2. INSTALL LONG RADIUS SWEEPS ON ALL CONDUIT.
3. INSTALL PLASTIC BUSHING ON END OF ALL CONDUITS.
4. INSTALL SUITABLE PULLCORD IN ALL CONDUITS.
5. SEE FLOOR PLANS FOR TOTAL NUMBER OF OUTLETS REQUIRED.

SYMBOLS SCHEDULE

SYMBOL	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE – RECESSED/SURFACE CEILING MOUNTED
	FLUORESCENT LIGHT FIXTURE CONNECTED TO EMERGENCY BALLAST
	FLUORESCENT STRIP LIGHT – CEILING MOUNTED OR CHAIN HUNG
	EXIT LIGHTS – WALL MT. & CEILING MT. SHOWN – SHADING INDICATES FACE(S), DIRECTIONAL ARROWS SHALL BE AS SHOWN ON PLANS
S	SINGLE–POLE SWITCH
S_{OC}	OCCUPANCY SENSOR EQUAL TO HUBBELL #LHMTSI WALL SWITCH
OC	SINGLE–POLE SWITCH WITH OCCUPANCY SENSOR EQUAL TO HUBBELL #OMNIDT2000 CEILING MOUNTED
PP	POWERPACK EQUAL TO HUBBELL #MP120A
WP GFCI	DUPLEX RECEPTACLE – GROUND FAULT CIRCUIT INTERRUPTING & WEATHERPROOF TYPES INDICATED
	ABOVE COUNTER DUPLEX RECEPTACLE
	QUADRUPLEX RECEPTACLE
J	JUNCTION BOX
	DATA OUTLET
V	DATA OUTLET – FLUSH MOUNTED IN FLOOR SLAB OR CEILING
F 75 cd	FIRE ALARM AUDIO/VISUAL DEVICE – NUMBER INDICATES MINIMUM CANDELA RATING OF STROBE
75 cd	FIRE ALARM STROBE ONLY – NUMBER INDICATES MINIMUM CANDELA RATING OF STROBE
	FIRE ALARM PULL STATION
SD	SMOKE DETECTOR
HD	HEAT DETECTOR
S_D	DUCT MOUNTED SMOKE DETECTOR
RT	DUCT SMOKE DETECTOR REMOTE TEST STATION
	FLUSH MOUNTED PANELBOARD
	TELEPHONE TERMINAL BOARD
VFD	VARIABLE FREQUENCY DRIVE (PROVIDED BY DIVISION 23, INSTALLED BY EC)
	BRANCH CIRCUIT – SWITCHED HOT THRU LIGHTING CONTROL SYSTEM, SWITCH LEG, PHASE LEG, NEUTRAL, EQUIPMENT GROUND, AND ISOLATED GROUND
	BRANCH CIRCUIT HOMERUN – PANEL AND CIRCUIT NUMBER INDICATED
	CONDUIT CONCEALED IN OR BELOW FLOOR SLAB OR BELOW GRADE
	EXISTING CONDUIT
AHU	AIR HANDLING UNIT
CB	CIRCUIT BREAKER
CKT or CIR	CIRCUIT
AC	ABOVE COUNTER
GFI	GROUND FAULT CIRCUIT INTERRUPTING
TTB	TELEPHONE TERMINAL BOARD
FCU	FAN COIL UNIT
VFD	VARIABLE FREQUENCY DRIVE

NOTE:

1. NOT ALL SYMBOLS MAY APPLY TO THIS PROJECT.

GENERAL NOTES

1. CIRCUITS OF DIFFERENT PHASES MAY SHARE EQUIPMENT GROUND. EQUIPMENT GROUND CONDUCTOR SIZE SHALL NOT BE LESS THAN #12 AWG OR AS INDICATED ON THE DRAWINGS.
2. ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER THW, THHN, THWN, AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER USING BOLTED LUGS AT TERMINALS.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED. SEE SPECS FOR CONDUIT REQUIREMENTS. ALL CONDUIT SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
4. MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED.
5. ALL WORK SHALL COMPLY WITH THE 2008 EDITION OF THE NATIONAL ELECTRICAL CODE.
6. ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS FOR EXACT LOCATION OF HVAC AND PLUMBING EQUIPMENT.
7. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED ON ACTUAL NAMEPLATE RATINGS ON THE MOTOR BEING INSTALLED.
8. USE COMPRESSION FITTINGS ON CONDUIT, SET SCREW FITTINGS ARE NOT ALLOWED.
9. LABEL ALL NEW CIRCUITS ON PANEL SCHEDULES.
10. 6'–0" MAXIMUM LENGTH ON FLEXIBLE CONDUIT.
11. FIRE PROOF ALL PENETRATIONS MADE THROUGH FIRE RATED WALLS.
12. ALL DEVICES SHALL BE RATED 20 AMP MINIMUM, VERIFY COLOR WITH ARCHITECT.
13. CONNECT DEVICES BY WRAPPING WIRE AROUND SCREW TERMINAL IN A CLOCKWISE DIRECTION AND TIGHTEN SCREW, BACK–CONNECTED SPRING DEVICES ARE NOT ALLOWED.
14. PULL ALL THE CONDUCTORS THROUGH RACEWAY AT THE SAME TIME.
15. ALL BOXES SHALL BE INDEPENDANTLY SUPPORTED TO THE BUILDINGS STRUCTURE.
16. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL ELEVATIONS AND MILLWORK DETAILS FOR EXACT LOCATIONS OF ALL WIRING DEVICES.
17. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LAY–IN LIGHT FIXTURES.
18. THE SPECIFICATIONS ARE AS BINDING ON THE CONTRACTOR AS THE DRAWINGS. THE CONTRACTOR SHALL READ THE SPECIFICATIONS AND SHALL INCLUDE ALL ITEMS REQUIRED BY THE SPECIFICATIONS BEFORE SUBMITTING A BID.

FIXTURE SCHEDULE

TYPE	MANUFACTURER OR EQUAL	LAMPS	REMARKS
A	COLUMBIA #JT8 24–4 32 G–FS A12125–EP U	4–32W FT8	2'X4'RECESSED FLUORESCENT LIGHT FIXTURE
A1	COLUMBIA #JT8 24–4 32 G–FS A12125–EP U–EL	4–32W FT8	2'X4'RECESSED FLUORESCENT EMERGENCY LIGHT FIXTURE
B	COLUMBIA #AD 4–1 32–EP U	1–32W FT8	4' SURFACE FLUORESCENT WRAP LIGHT FIXTURE.
C	COLUMBIA #K4–232–EPU–PAF–CSWG4–KHC	2–32W FT8	4' FLUORESCENT STRIP LIGHT FIXTURE. MOUNT 9'AFF.
⊗	DUALLITE #LX U R W E	LED	EXIT SIGN. EMERGENCY BATTERY AND TEST BUTTON.

NOTES:

1. ALL FIXTURES SHALL BE PAINTED AFTER FABRICATION.
2. VERIFY ALL FIXTURE COLORS – THE COLOR AND FINISHES ARE TO BE SELECTED BY THE ARCHITECT AT NO ADDITIONAL COSTS, THE CONTRACTOR SHALL INCLUDE COST OF ARCHITECT COLOR SELECTION OF LIGHT FIXTURE IN BID.
3. COORDINATE ALL FIXTURES MOUNTING TYPE AND HEIGHT WITH ARCHITECTURAL REFLECTED CEILING PLAN.
4. BALLASTS MUST BE 10%THD AND PROGRAM START.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No.12363 ANTHONY DAVID AYCOCK 2-24-11

CORPORATE REGISTRATION PETTIT & PETTIT CONSULTING ENGINEERS, INC. No. 78 ARKANSAS ENGINEER

OFFICE RENOVATIONS FOR

Institutional Research and University Advancement

ARKANSAS STATE UNIVERSITY

Jonesboro, Arkansas

POWERING MINDS

BRACKETT KRENNERICH architects
100 East huntington Ave. Suite D P.O. Box 1655
870-932-0571 Fax 870-932-0975 www.bkarchts.com

Commission Number
11910

E201

Date: February 22, 2011