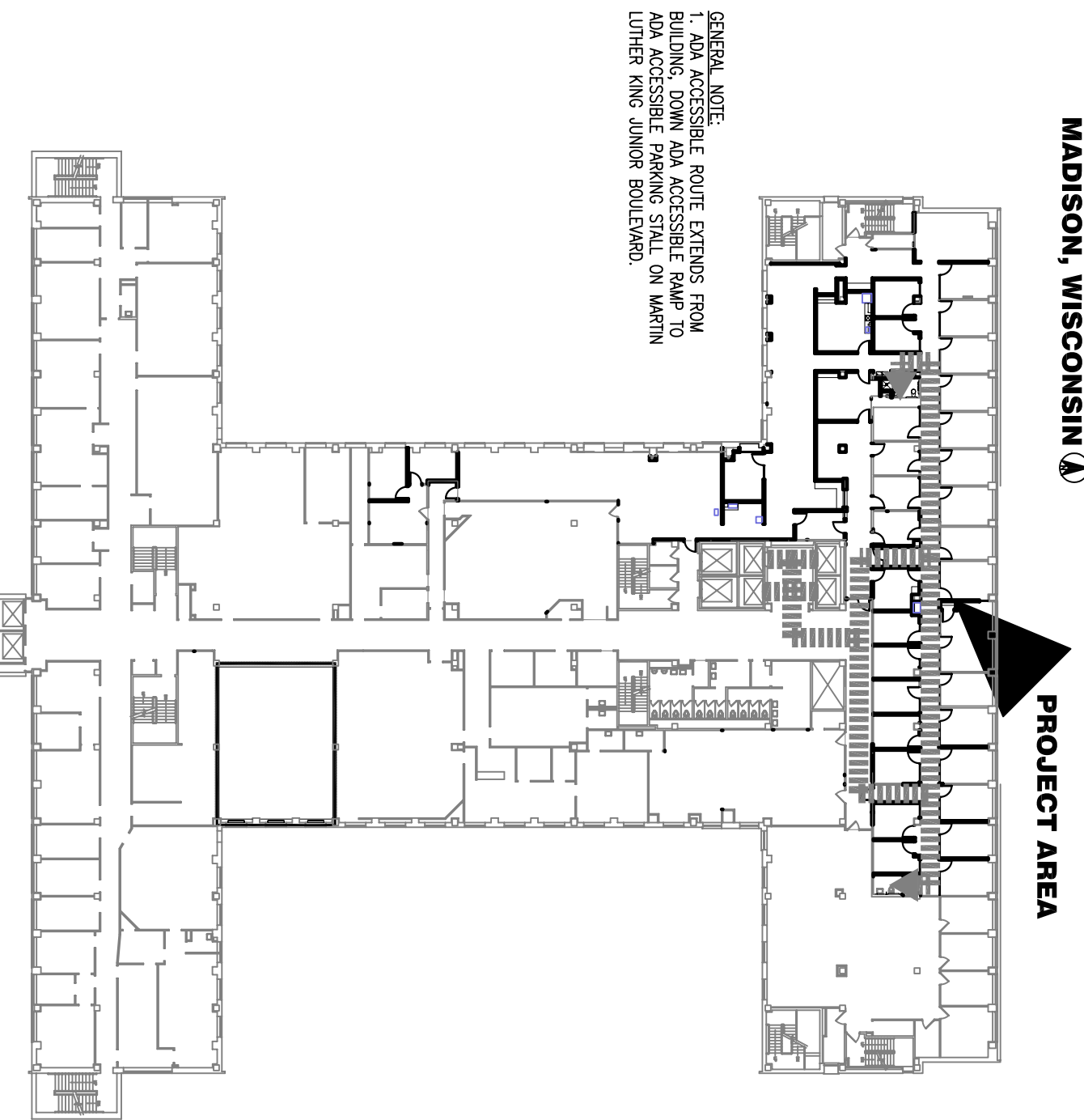


# TENANT IMPROVEMENTS THIRD FLOOR, CITY-COUNTY BUILDING 210 MARTIN LUTHER KING, JR. BLVD. MADISON, WISCONSIN



DATE: 03.10.08

ADA ACCESSIBLE ROUTE

## ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
A.F.F.	ABOVE FINISHED FLOOR
AL	ALUMINUM
AP	ACCESS PANEL
CC	CORNER GUARD
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
GPT	CARPET
CT	CERAMIC TILE
CUH	CABINET UNIT HEATER
EJ	EXPANSION JOINT
EMC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FO	FOUNDATION DRAIN SYSTEM FUSHOUT
FRT	FIRE TREATED
FX-#	FIRE EXTINGUISHER AND TYPE
GMB	GYPSEUM WALL BOARD
HM	HOLLOW METAL
MB	MARKER BOARD
TB	TACK BOARD
BB	BULLETIN BOARD
M.O.	MASONRY OPENING
N.I.C.	NOT IN CONTRACT
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
GPP	OPPOSITE
PLAM	PLASTIC LAMINATE
REV	REVERSE
R.O.	ROUGH OPENING
S.S.	STAINLESS STEEL
TZO	TERRAZZO
U.N.O.	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
WD	WOOD
WP	WORK POINT

MAJOR USE & OCCUPANCY CLASSIFICATION: B  
CONSTRUCTION CLASSIFICATION: IB  
GROSS FLOOR AREA: 11,324 OSF  
SPRINKLERED  
MAXIMUM EXIT ACCESS TRAVEL DISTANCE: 300'  
TOTAL OCCUPANT LOAD: 114

## INDEX OF DRAWINGS

<b>GENERAL</b>	
G1.0	COVER SHEET AND INDEX OF DRAWINGS
<b>DEMOLITION</b>	
D1.0	NOT USED
D2.0	THRD FLOOR AND REFLECTED CEILING DEMOLITION PLAN
<b>ARCHITECTURAL</b>	
A1.0	NOT USED
A2.0	THRD FLOOR PLAN
A2.1	ENLARGED PARTIAL THRD FLOOR PLAN
A2.2	ENLARGED PARTIAL THRD FLOOR PLAN
A2.3	ENLARGED PARTIAL THRD FLOOR PLAN
A3.0	THRD FLOOR REFLECTED CEILING PLAN
A4.0	NOT USED
A5.0	NOT USED
A6.0	NOT USED
A7.0	DOOR & FRAME ELEVATION, PARTITION TYPES, DETAILS & SCHEDULE
A7.1	INTERIOR ELEVATIONS
A8.0	INTERIOR ELEVATIONS
A9.0	THRD FLOOR FINISH PLAN AND SCHEDULE
<b>PLUMBING</b>	
P1.0	THRD FLOOR PLUMBING DEMOLITION PLAN
P2.0	THRD FLOOR PLUMBING RECONSTRUCTION PLAN
<b>MECH</b>	
M01.0	THRD FLOOR HVAC DEMOLITION PLAN
M1.0	THRD FLOOR HVAC PLAN
M1.1	HVAC DETAILS AND MECHANICAL ROOM PLAN
M1.2	HVAC DETAILS AND MECHANICAL ROOM SECTION
M1.3	HVAC DETAILS
M1.4	HVAC DETAILS
M2.0	HVAC SCHEDULES
<b>ELECTRICAL</b>	
E0.0	FLOOR PLAN ELECTRICAL DEMOLITION
E1.0	FLOOR PLAN LIGHTING
E2.0	FLOOR PLAN POWER/SYSTEMS
E3.0	ELECTRICAL SCHEDULES, SYMBOLS LIST AND DETAILS
E3.1	ELECTRICAL PANELBOARD SCHEDULES
E4.0	ELECTRICAL RISER DIAGRAMS

## ARCHITECTURAL SYMBOLS AND LEGEND

	DETAIL REFERENCE SHEET REFERENCE DETAIL NUMBER
	WALL SECTION REFERENCE SHEET REFERENCE DETAIL NUMBER
	WALL SECTION REFERENCE SHEET REFERENCE DETAIL NUMBER
	WALL SECTION REFERENCE SHEET REFERENCE DETAIL NUMBER
	WALL SECTION REFERENCE SHEET REFERENCE DETAIL NUMBER
	ELEVATION REFERENCE
	PARTITION TYPE REF. SEE SHEET A7.0
	NEW WALLS
	WINDOW TYPES SEE A7.0
	1 HOUR FIRE RATED WALL
	2 HOUR FIRE RATED WALL
	DOOR SWING V./NUMBER, SEE A7.0
	REVISIONS
	RECESSED FIRE EXTINGUISHER
	SURFACE MOUNT FIRE EXTINGUISHER
	SPOT ELEVATION (FEET-INCHES)
	SPOT ELEVATION (FEET/DECIMAL)
	ROOM NAME & NUMBER SEE ROOM FIN SCHED SHEET A9.0

DEMOLITION NOTES

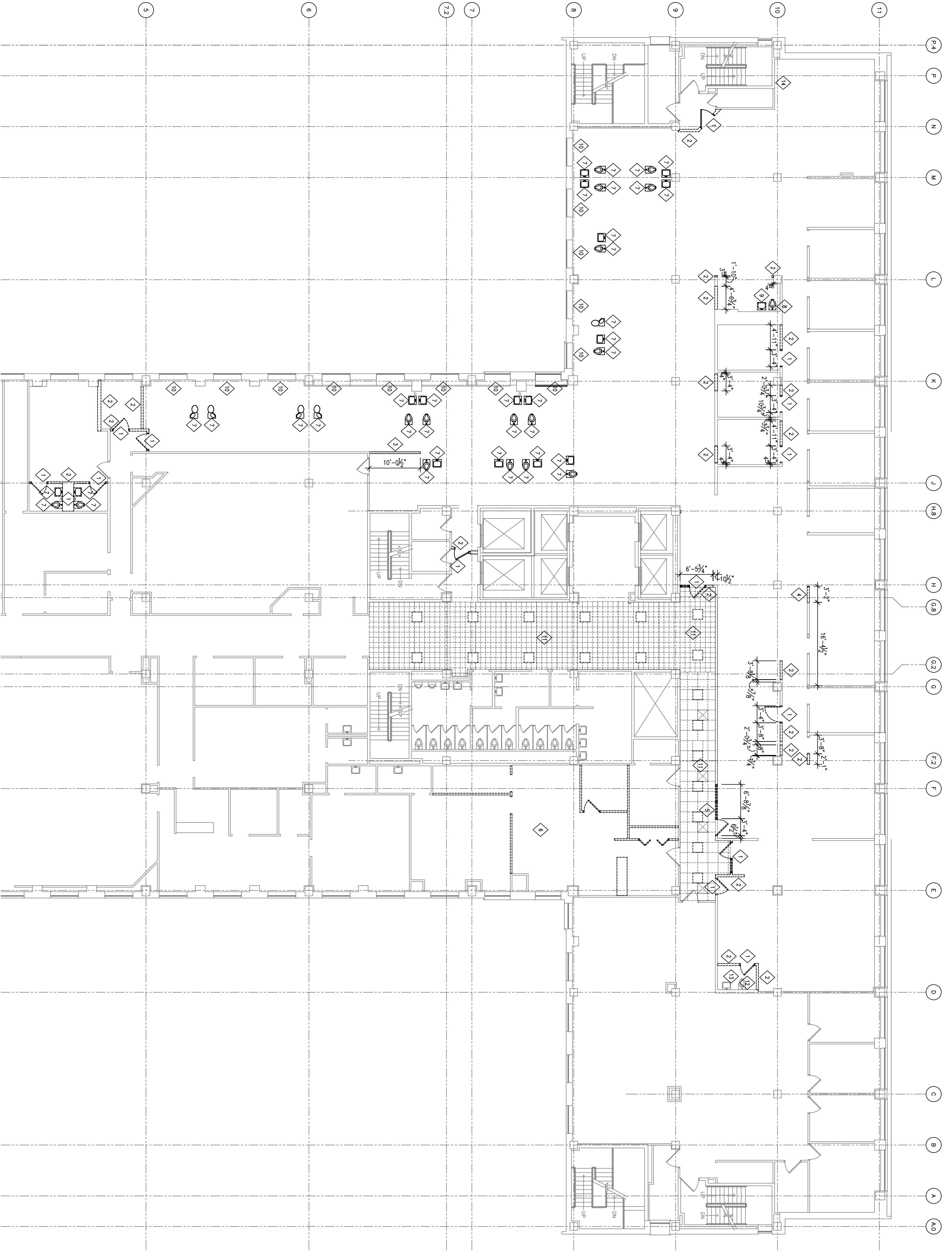
- 1 DEMO DOOR AND HW FRAME IN ITS ENTIRETY.
- 2 DEMO PORTION OF EXISTING PLASTER WALL IN ITS ENTIRETY.
- 3 DEMO PORTION OF EXISTING CMU WALL IN ITS ENTIRETY, BY OWNER.
- 4 DEMO PORTION OF EXISTING ALUMINUM STOREFRONT FRAME IN ITS ENTIRETY.
- 5 DEMO DOOR/GAZING IN ALUMINUM STOREFRONT IN ITS ENTIRETY.
- 6 ALL DEMOLITION BY PAVE COUNTY, INCLUDING WALLS, FLOORING, CEILING, CASEWORK AND DOORS. SEE VERT FOR ADDITIONAL DEMO INFORMATION.
- 7 FURNITURE HAS BEEN REMOVED. SEE PLUMBING DEMOLITION FOR PPING DEMOLITION.
- 8 DEMO TUBET IN ITS ENTIRETY. SEE PLUMBING DEMOLITION FOR ADDITIONAL PPING DEMOLITION INFORMATION.
- 9 DEMO SINK IN ITS ENTIRETY. SEE PLUMBING DEMOLITION FOR PPING DEMOLITION.
- 10 DEMO SECURITY FRAME IN ITS ENTIRETY, BY OWNER, V.P.P.
- 11 DEMO CEILING IN ITS ENTIRETY, BY OWNER. SEE ELECTRICAL DEMOLITION FOR ADDITIONAL DEMOLITION INFORMATION.
- 12 DEMO FLOOR TILE AND BASE IN ITS ENTIRETY.
- 13 DEMO TOILET ACCESSORIES IN THEIR ENTIRETY. VERIFY ANY ITEMS TO REMAIN OR SALVAGE WITH OWNER.
- 14 DEMO LOOPER IN ITS ENTIRETY. SEE MECHANICAL FOR MORE INFORMATION.

GENERAL NOTES:

1. READ EVERY ALL EXISTING CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. REFER TO P1.0, H1.0 AND E1.0 FOR MORE DEMOLITION INFORMATION.

REFLECTED CEILING PLAN SYMBOLS

- DEMO ACOUSTICAL CEILING TILE. SEE ELECTRICAL FOR MORE INFORMATION.
- DEMO LIGHT FIXTURE. SEE ELECTRICAL FOR MORE INFORMATION.
- DEMO HVAC SUPPLY DIFFUSER. SEE MECHANICAL FOR MORE INFORMATION.
- DEMO VENTRIL FAN CEILING. SEE ELECTRICAL FOR MORE INFORMATION.



1 THIRD FLOOR DEMOLITION PLAN  
3/28/11-D



ISSUED

**DRAWING**  
THIRD FLOOR  
AND REFLECTED CEILING  
DEMOLITION PLAN  
**DATE**  
03.10.08

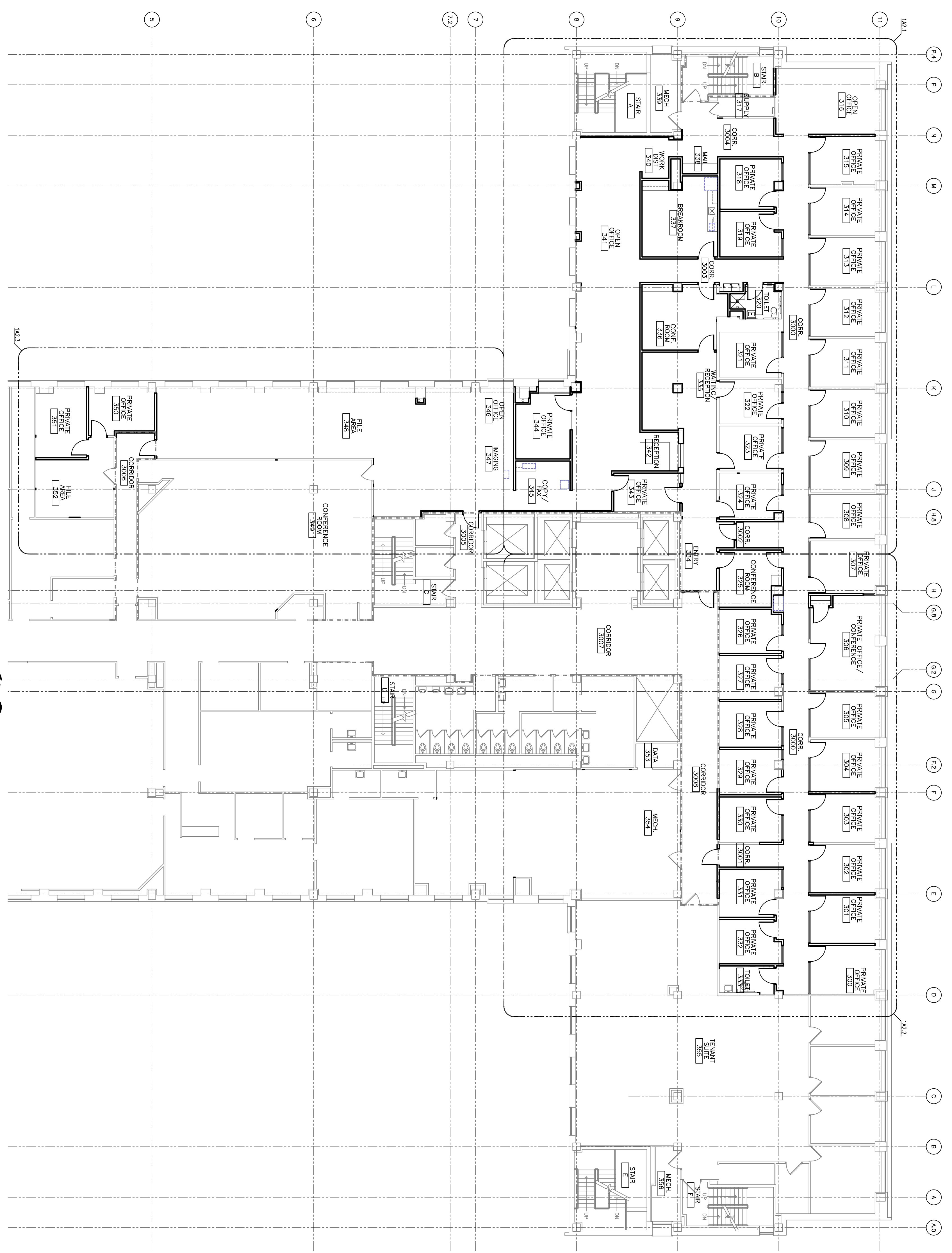
**PROJECT**  
TENANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING,  
JR. BLVD., MADISON, WI

**GENERAL NOTES:**  
 1. READ EVERY ALL EXISTING CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.  
 2. SEE ENLARGED FLOOR PLANS FOR ADDITIONAL INFORMATION: 4.2.1, 4.2.2, 4.2.3 AND 4.2.4.  
 3. ALL FINISHES SHALL BE AS SHOWN IN THE SCHEDULE.  
 4. PATCH ALL WALLS TO MATCH ADJACENT MATERIAL WHERE DAMAGED BY WORK.  
 5. PROVIDE PROTECTIVE COVERINGS IN FLOOR/CEILING TO MATCH ADJACENT MATERIAL WHERE OUTWORK, MECHANICAL PENETRATIONS AND PLUMBING PENETRATIONS HAVE BEEN REMOVED. SEE 10.4.1 FOR ALTERNATE BID 1.  
 6. PROVIDE PAINTED HOLLOW METAL FRAMES IN LEAD OF ALUMINUM STOREFRONT AT DOOR AND WINDOW OPENINGS ON 305A, 305B, 306, 306A, 307, 308, 309, 310, 311, 312 AND 313. PROVIDE ALUMINUM STOREFRONT AT WINDOW OPENING ON 313. PROVIDE ALUMINUM STOREFRONT AT WINDOW OPENING ON 314 AND 315.  
 7. PROVIDE PAINT AND PREP OF MECHANICAL ROOM 304 AND 305.

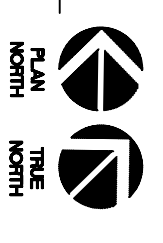
Dorschner/Associates, Inc.  
 949 E. Washington Ave., Ste 112  
 Madison, Wisconsin 53703

Architecture  
 Planning

**ISSUED**



**1 THIRD FLOOR PLAN**  
 3/22/11-D



**PROJECT**  
 TENANT IMPROVEMENTS  
 THIRD FLOOR  
 CITY-COUNTY BUILDING  
 210 MARTIN LUTHER KING,  
 JR. BLVD., MADISON, WI

**DRAWING**  
 THIRD FLOOR PLAN

**DATE**  
 03.10.08

A2.0

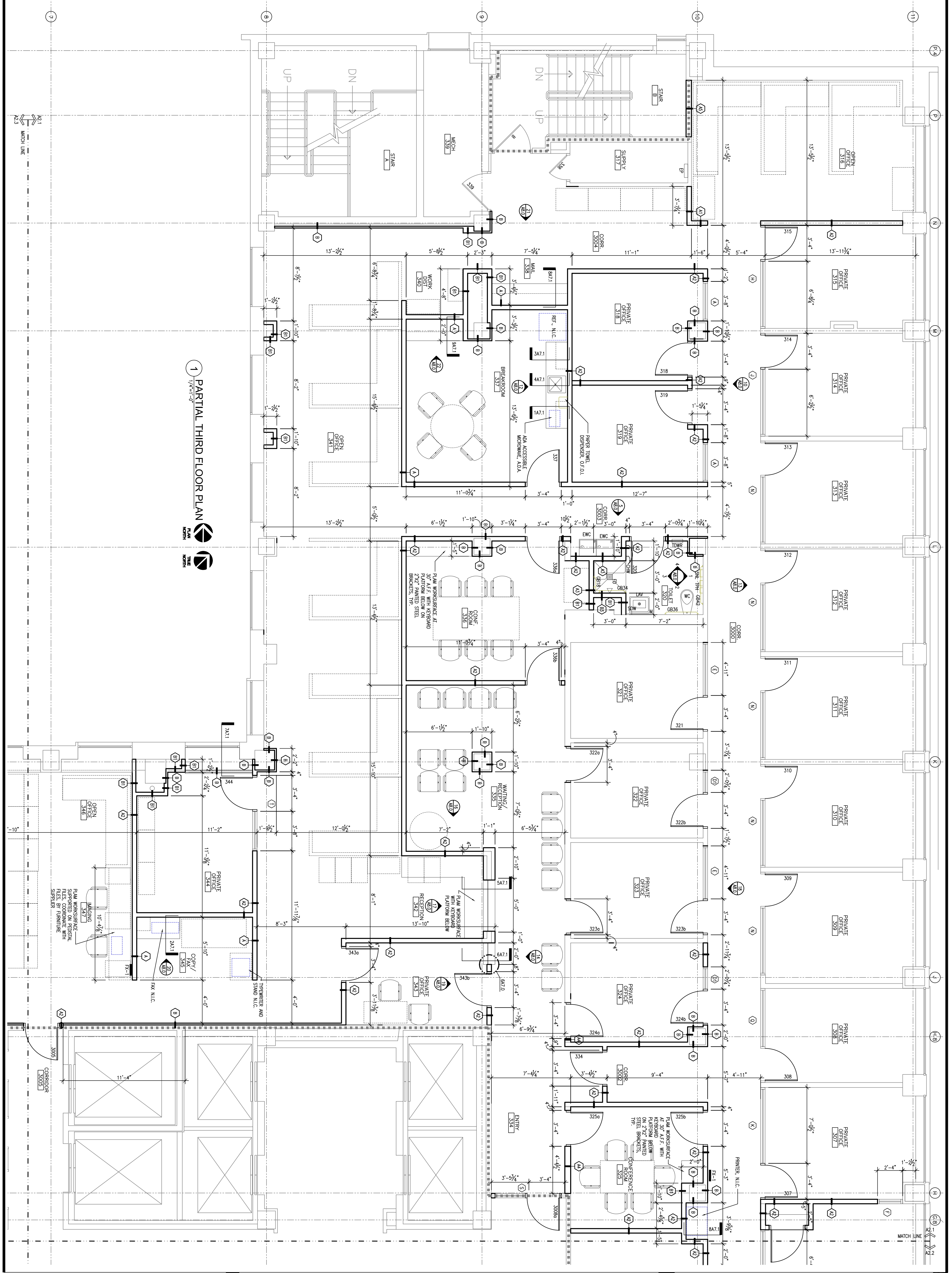
Architecture  
Planning

Dorschner/Associates, Inc.  
849 E. Washington Ave., Ste. 112  
Madison, Wisconsin 53703

ISSUED

**PROJECT**  
TENANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING,  
JR. BLDG., MADISON, WI

**DRAWING**  
ENLARGED PARTIAL THIRD  
FLOOR PLAN  
**DATE**  
03.10.08



Architecture  
Planning

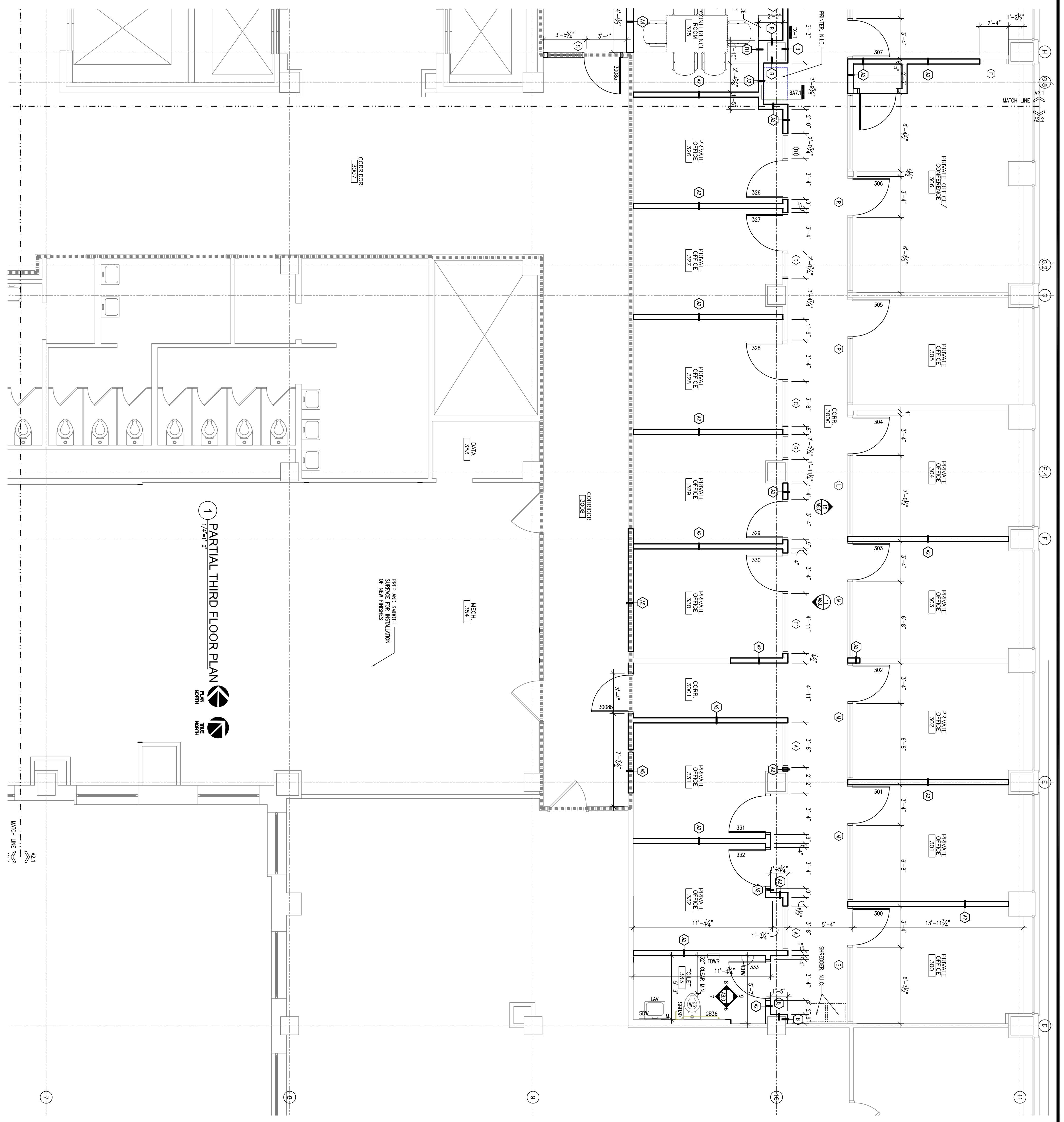
Dorschner/Associates, Inc.  
849 E. Washington Ave., Ste. 112  
Madison, Wisconsin 53703

ISSUED

**PROJECT**  
TENANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING,  
JR. BLVD., MADISON, WI

**DRAWING**  
ENLARGED PARTIAL THIRD  
FLOOR PLAN  
**DATE**  
03.10.08

A2.2

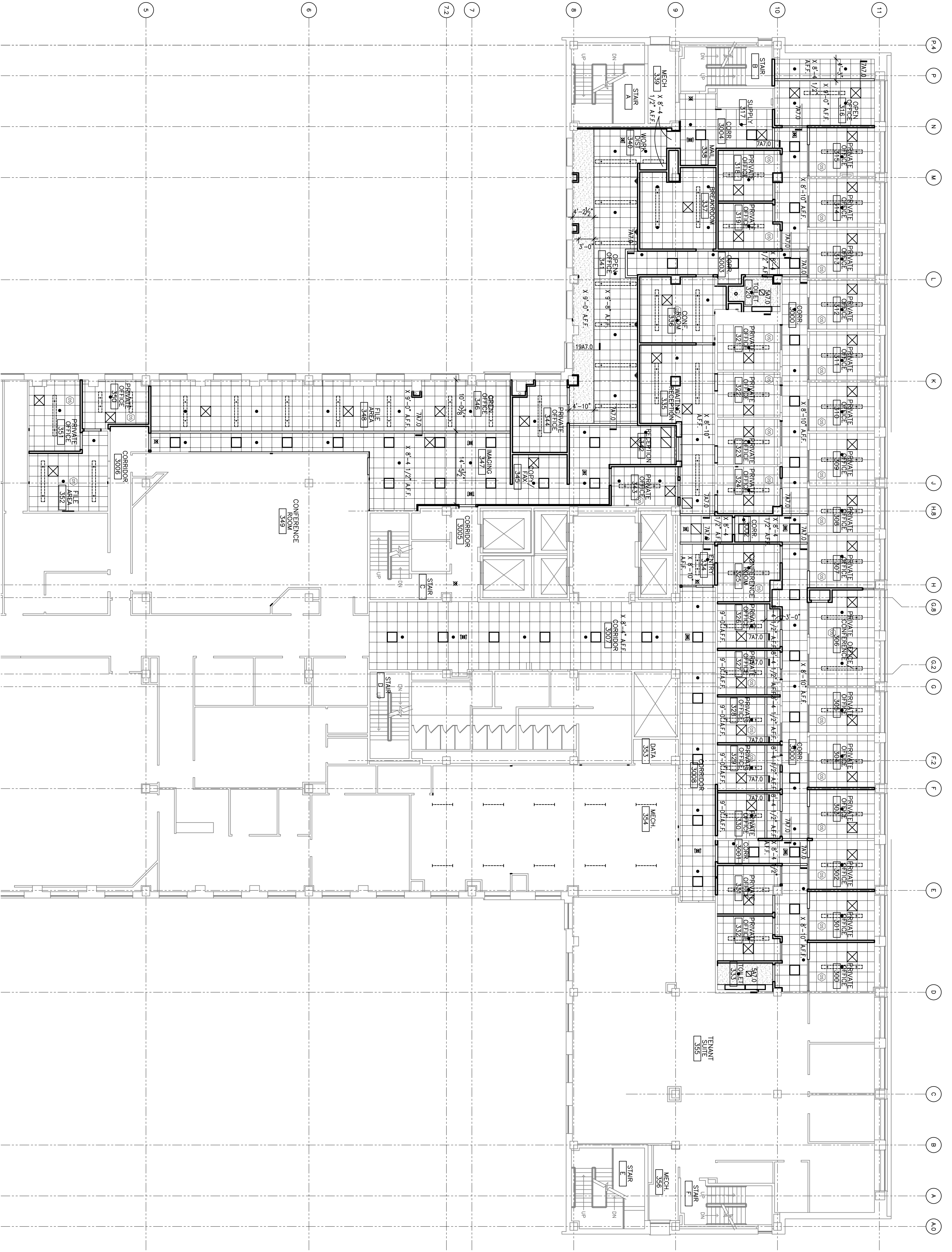


1 PARTIAL THIRD FLOOR PLAN  
1/4"=1'-0"



Architecture  
Planning

Dorschner/Associates, Inc.  
849 E. Washington Ave., Ste. 112  
Madison, Wisconsin 53703



1 THIRD FLOOR REFLECTED CEILING PLAN  
3/22/11-D  
PLAN THE NORTH

REFLECTED CEILING PLAN SYMBOLS	
	GYPSUM WALL BOARD
	2'x2' ACOUSTICAL CEILING TILE
	2'x2' FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL
	1'x8' LINEAR FLUORESCENT INDIRECT PENDANT FIXTURE, SEE ELECTRICAL
	1'x4' LINEAR FLUORESCENT INDIRECT PENDANT FIXTURE, SEE ELECTRICAL
	1'x4' FLUORESCENT INDIRECT SMOKE FIXTURE, SEE ELECTRICAL
	1'x4' FLUORESCENT, SEE ELECTRICAL
	EXIT LIGHT, ARROW INDICATES DIRECTION
	PLACE CENTER OF 2'x2' TILE
	HVAC SUPPLY DIFFUSER
	HVAC EXHAUST/TRANSFER DIFFUSER
	HVAC EXHAUST DIFFUSER
	OCCUPANCY SENSOR
	SPRINKLER HEAD

REFLECTED CEILING PLAN GENERAL NOTES

1. FIELD VERIFY ALL CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCY.
2. SEE MECHANICAL FOR COORDINATION OF EQUIPMENT LOCATIONS.
3. SEE ELECTRICAL FOR FIXTURE TYPES.
4. CENTER ALL FIXTURES IN ACFT.
5. SEE ROOM FINISH SCHEDULE FOR MORE INFORMATION.
6. PREFERRED SPRINKLER HEAD LOCATIONS INDICATED, INSTALL PER NFPA 13, SEE SPECIFICATION SECTION C19010.

ISSUED

**PROJECT**  
TENANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING, JR. BLVD., MADISON, WI

**DRAWING**  
THIRD FLOOR REFLECTED  
CEILING PLAN

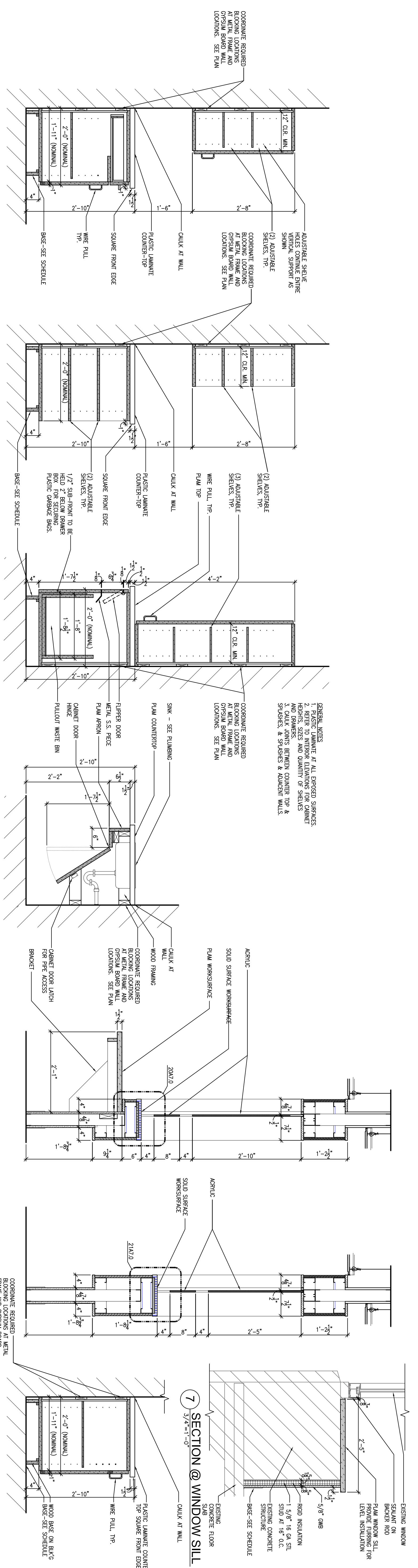
**DATE**  
03.10.08

A3.0





ISSUED



1 CASEWORK DETAIL  
3/4"=1'-0"

2 CASEWORK DETAIL  
3/4"=1'-0"

3 CASEWORK DETAIL  
3/4"=1'-0"

4 ADA ACCESSIBLE SINK DETAIL  
3/4"=1'-0"

5 SECTION @ RECEPTION, 342  
3/4"=1'-0"

6 SECTION @ PRIVATE OFFICE, 343  
3/4"=1'-0"

7 SECTION @ WINDOW SILL  
3/4"=1'-0"

9 CASEWORK DETAIL  
3/4"=1'-0"

10 INFILLED SLAB DETAIL  
1 1/2"=1'-0"

DRAWING  
INTERIOR DETAILS

DATE  
03.10.08

A7.1

PROJECT  
TENANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING,  
JR. BLVD., MADISON, WI

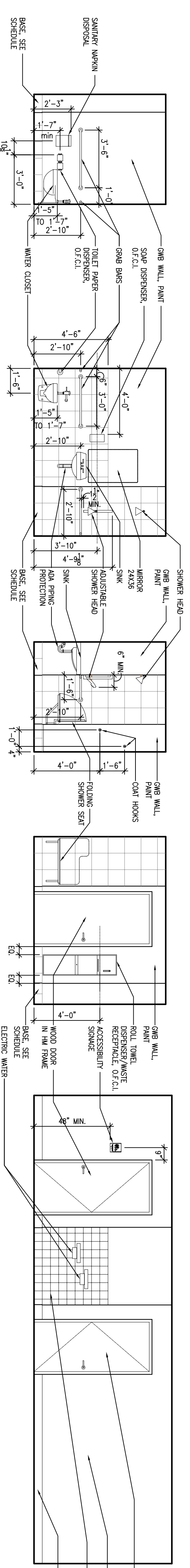
TOILET ACCESSORY SCHEDULE		
ABBREVIATION	ITEM	QTY. / COMMENTS
CHW	CLOTHES HOOK MOUNTED ON WALL	510. 019'-0" AFF. (10'-0" AFF.)
FD	FLOOR DRAINS	SEE A8.0
GB18	1/2" GARB BAR	CENTER @ 2'-10" A.F.F.
GB14	3/4" GARB BAR	CENTER @ 2'-10" A.F.F.
GB25	3/8" GARB BAR	CENTER @ 2'-10" A.F.F.
GB42	42" GARB BAR	CENTER @ 2'-10" A.F.F.
LAV	LAVATORY	SEE A8.0
M	MIRROR W/STEEL CHANNEL FRAME	TOP @ 6'-10"
SW	WALL MOUNTED SOAP DISPENSER, O.F.C.L.	WALL @ 4'-0"
SRB20	SMING-UP GARB BAR WITH METALL. TISSUE HOLDER	CENTER @ 2'-10" A.F.F.
SNL	SANITARY MOPPIN DISPOSAL	MIN. 19" TO C
TDRM	COMBINATION TOWEL DISPENSER/WASTE RECEPTACLE, O.F.C.L.	TOP @ 48" AFF. (W/SEE PLAN)
TPH	TOWEL PAPER HOLDER, O.F.C.L.	CENTER @ 2'-10" A.F.F.
WC	WATER CLOSERS	SEE A8.0

**GENERAL LEGEND**

EMC ELECTRIC WALL HEATER - VERIFY HEIGHT WITH MECHANICAL

**GENERAL NOTES**

- COORDINATE O.F.C.L. EQUIPMENT WITH OWNER.
- PROVIDE BLOOMING AS REQUIRED.



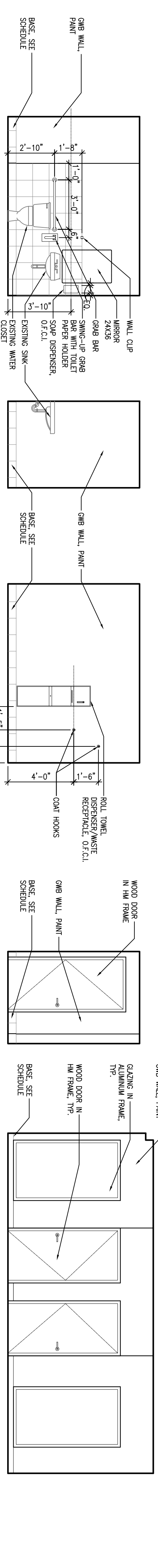
1 INTERIOR ELEVATION  
1/2"x1'-0"

2 INTERIOR ELEVATION  
1/2"x1'-0"

3 INTERIOR ELEVATION  
1/2"x1'-0"

4 INTERIOR ELEVATION  
1/2"x1'-0"

5 INTERIOR ELEVATION  
1/2"x1'-0"



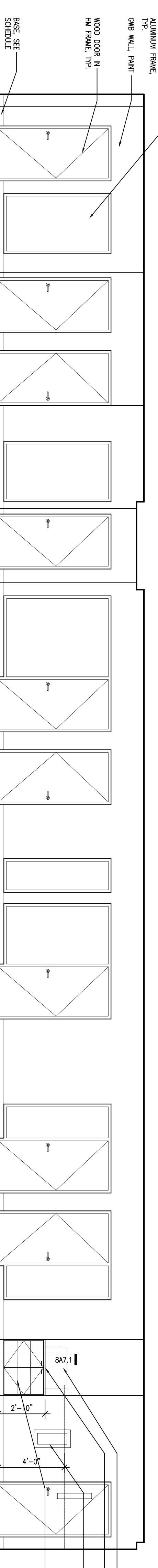
6 INTERIOR ELEVATION  
1/2"x1'-0"

7 INTERIOR ELEVATION  
1/2"x1'-0"

8 INTERIOR ELEVATION  
1/2"x1'-0"

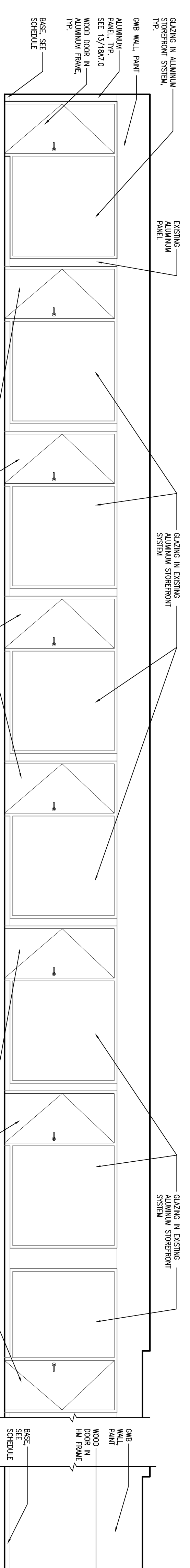
9 INTERIOR ELEVATION  
1/2"x1'-0"

10 INTERIOR ELEVATION  
1/2"x1'-0"



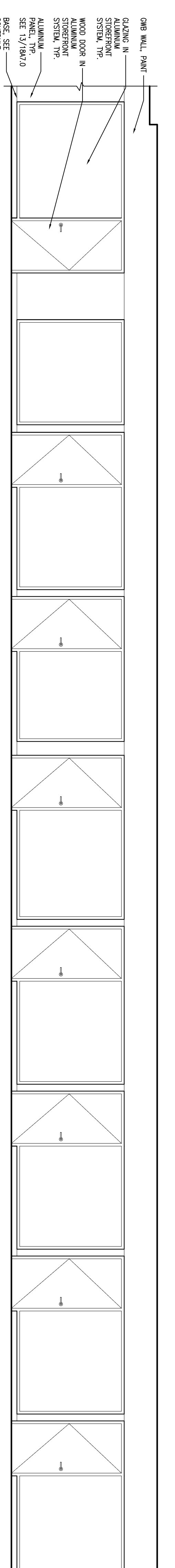
11 INTERIOR ELEVATION  
1/2"x1'-0"

12 INTERIOR ELEVATION  
1/2"x1'-0"

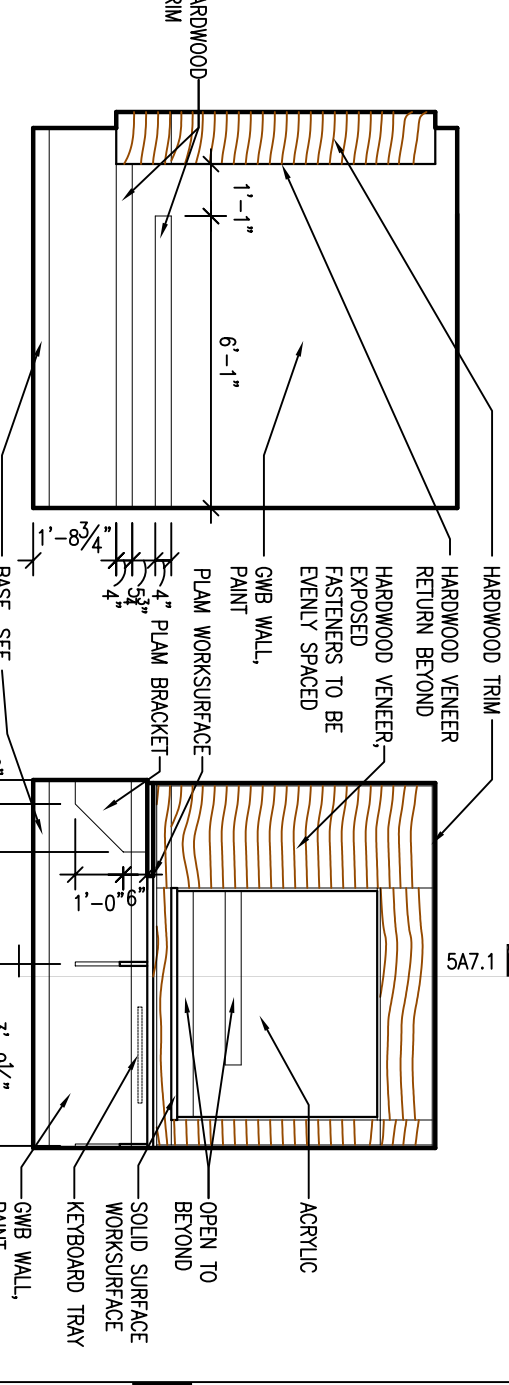


13 INTERIOR ELEVATION  
1/2"x1'-0"

14 INTERIOR ELEVATION  
1/2"x1'-0"

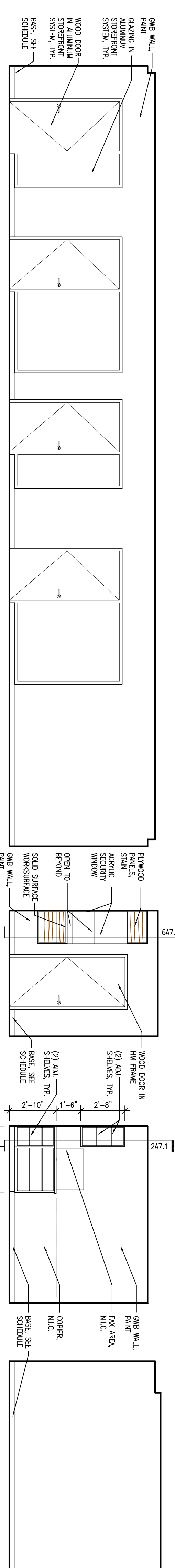


15 INTERIOR ELEVATION  
1/2"x1'-0"



16 INTERIOR ELEVATION  
1/2"x1'-0"

17 INTERIOR ELEVATION  
1/2"x1'-0"



18 INTERIOR ELEVATION  
1/2"x1'-0"

19 INTERIOR ELEVATION  
1/2"x1'-0"

20 INTERIOR ELEVATION  
1/2"x1'-0"

21 INTERIOR ELEVATION  
1/2"x1'-0"

22 INTERIOR ELEVATION  
1/2"x1'-0"

**PROJECT**  
TENANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING,  
JR. BLVD., MADISON, WI

**DRAWING**  
INTERIOR ELEVATIONS

**DATE**  
03.10.08



PLUMBING ABBREVIATIONS

ABB	DESCRIPTION	ABB	DESCRIPTION
ABF	ABOVE FINISH FLOOR	L	LAVATORY
AP	ACCESS PANEL	MSB	MOP SERVICE BASIN
AV	VENT ABOVE GRADE	NIC	NOT IN CONTRACT
CC	CLEANOUT	PLC	PLUMBING CONTRACTOR
CE	CONNECT TO EXISTING	RC	RAIN CONDUCTOR
CW	COLD WATER (HARD) PIPING	SFU	SHIPY FUTURE LINTS
DFU	DRAINAGE FUTURE LINTS	ST	STORM SEWER PIPING
EC	ELECTRICAL CONTRACTOR	V	VENT THROUGH ROOF
EL	ELECTRICAL	WC	WATER CLOSET
EX	EXISTING	W	WASTE
FD	FLOOR DRAIN	W/C	WALL CLOSET
HD	HOT WATER PIPING	WCO	WALL CLOSET W/ AIR CONDITIONING
HW	HOT WATER PIPING	WS	WASTE STACK

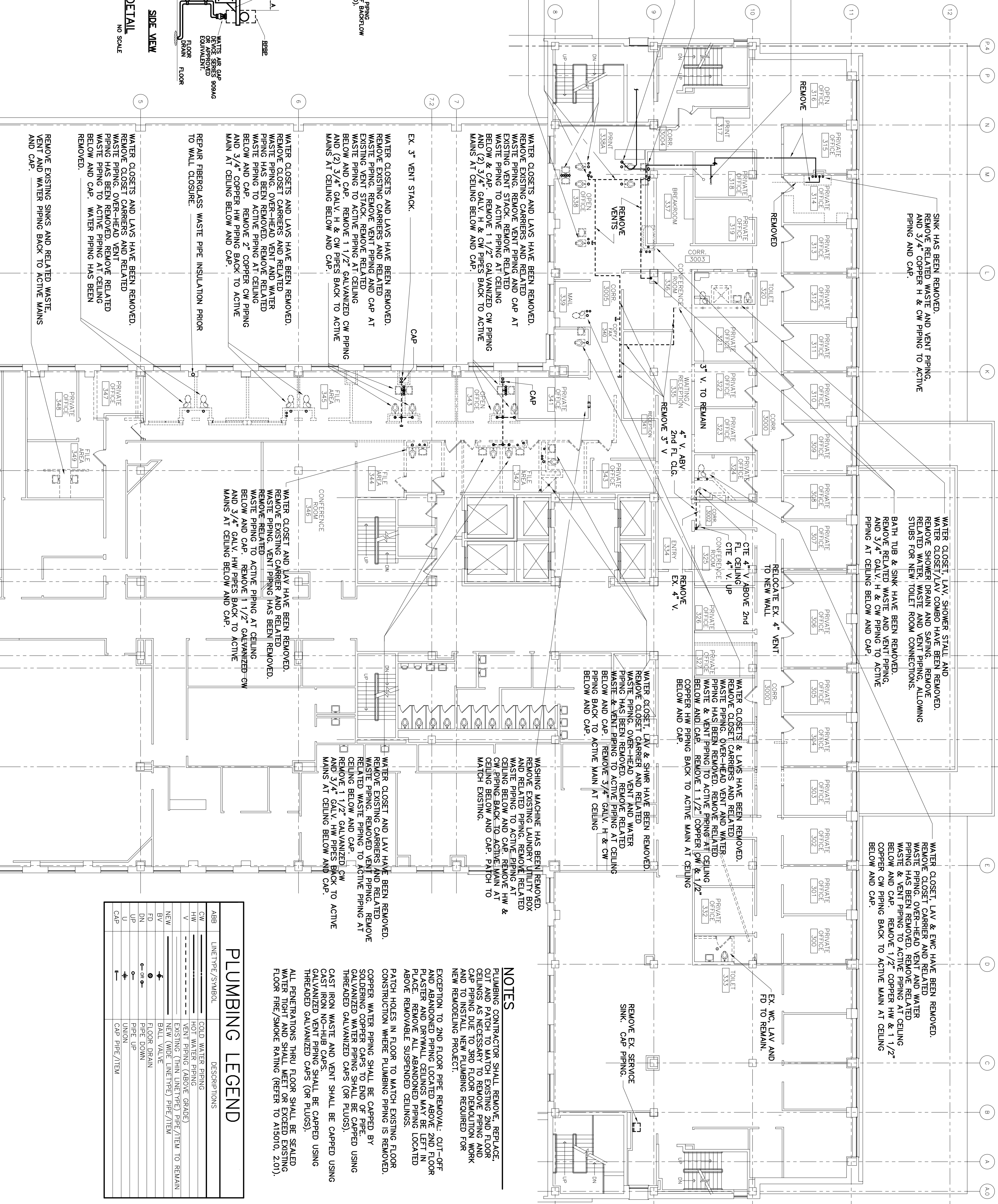
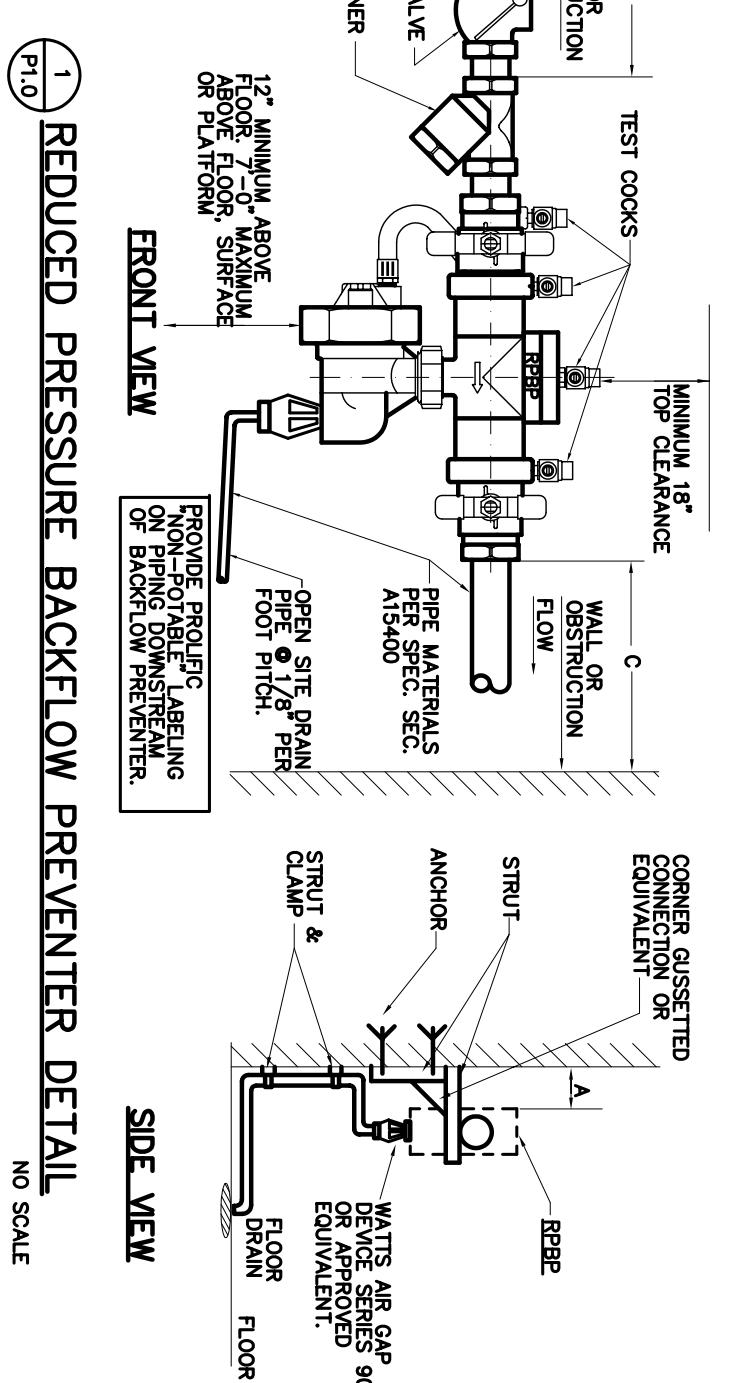
WATER AND WASTE TO MAJOR'S T.L. REMAIN ACTIVE DURING CONSTRUCTION

WATER CLOSETS AND LAVS HAVE BEEN REMOVED. REMOVE EXISTING CARRIERS AND RELATED WASTE PIPING. REMOVE VENT PIPING AND CAP AT EXISTING VENT STACK. REMOVE RELATED WASTE PIPING TO ACTIVE PIPING AT CEILING BELOW & CAP. REMOVE 1 1/2" GALVANIZED CW PIPING BACK TO ACTIVE MAINS. WATER SUPPLY TO MAJOR'S TOILET ROOM ABOVE. RELOCATE EX. 4" WS. (REFER TO RECONSTRUCTION PLUMBING PLAN)

RELOCATE EX. 3" VS. (REFER TO RECONSTRUCTION PLUMBING PLAN)

MIN. CLEARANCE	A	B	C
4"	2"	4"	4"

MINIMUM CLEARANCE ABOVE PIPING WITH PIPING PRESERVES PER 82.40 (3) (f)



**NOTES**

PLUMBING CONTRACTOR SHALL REMOVE, BEHIND, PATCH TO MATCH EXISTING AND FLOOR CEILING AS NECESSARY TO REMOVE PIPING AND CAP PIPING DUE TO 3RD FLOOR DEMOLITION WORK AND TO INSTALL NEW PLUMBING REQUIRED FOR NEW REMODELING PROJECT!

EXCEPTION TO 2ND FLOOR PIPE REMOVAL: CUT-OFF AND ABANDONED PIPING LOCATED ABOVE 2ND FLOOR PLASTER AND DRYWALL CEILINGS MAY BE LEFT IN PLACE. REMOVE ALL ABANDONED PIPING LOCATED ABOVE REMOVABLE SUSPENDED CEILINGS.

PATCH HOLES IN FLOOR TO MATCH EXISTING FLOOR.

COPPER WATER PIPING SHALL BE CAPPED BY SOLDERING COPPER CAPS TO END OF PIPE. GALVANIZED WATER PIPING SHALL BE CAPPED USING THREADED GALVANIZED CAPS (OR PLUGS).

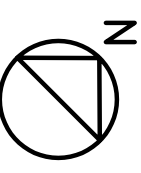
CAST IRON WASTE AND VENT SHALL BE CAPPED USING THREADED GALVANIZED CAPS (OR PLUGS).

ALL PENETRATIONS THRU FLOOR SHALL BE SEALED WATER TIGHT AND SHALL MEET OR EXCEED EXISTING FLOOR FIRE/SMOKE RATING (REFER TO A1500. 201).

**PLUMBING LEGEND**

ABB	LINETYPE/SYMBOL	DESCRIPTIONS
CW	---	COLD WATER PIPING
HW	---	HOT WATER PIPING
V	---	VENT PIPING (ABOVE GRADE)
NEW	---	NEW (WIDE LINETYPE) PIPE/TIE TO REMAIN
BY	---	BELL VALVE
FD	---	FLOOR DRAIN
UP	---	PIPE UP
UNION	---	UNION
CAP	---	CAP PIPE/TIE

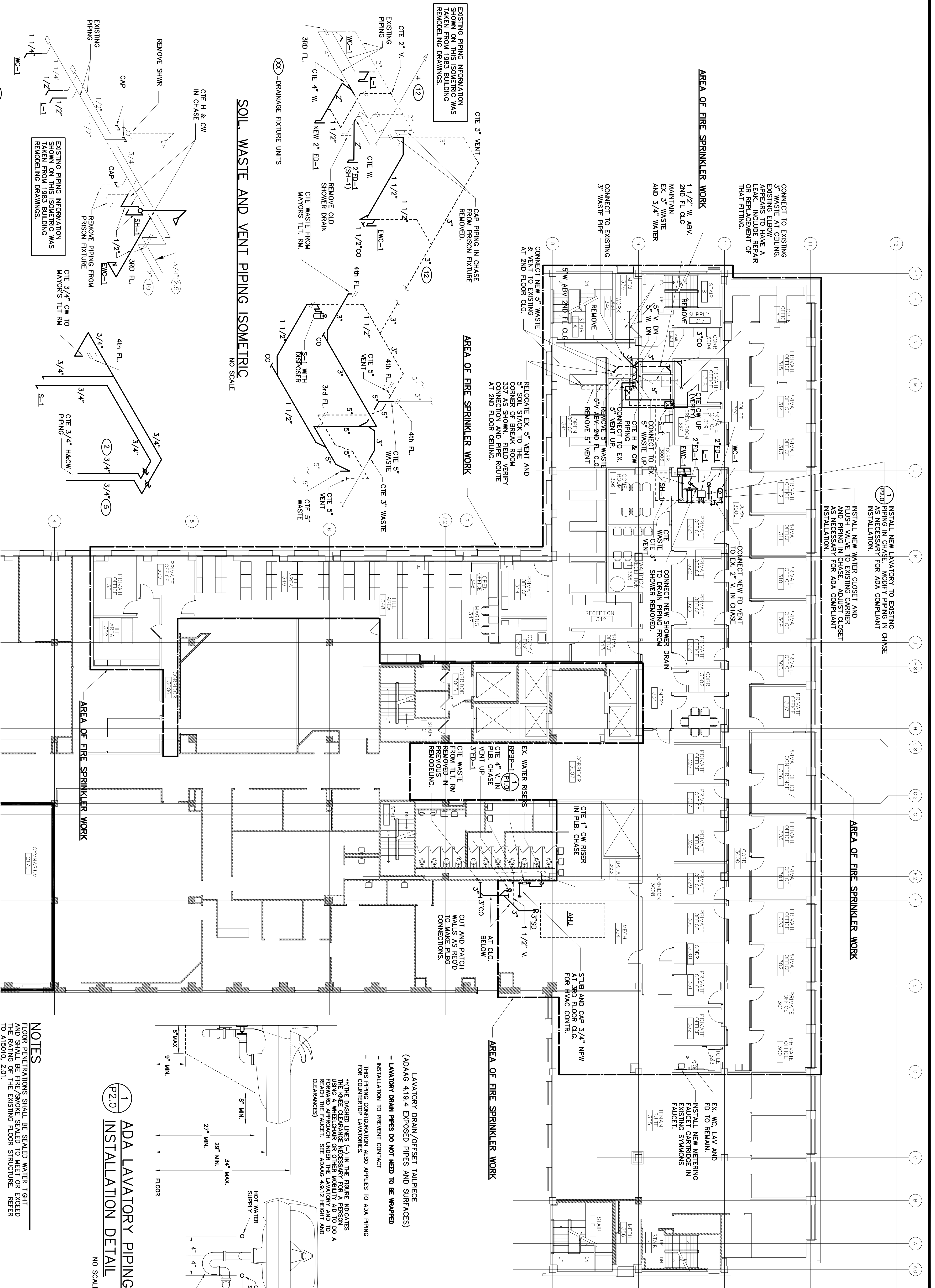
THIRD FLOOR PLUMBING DEMOLITION PLAN  
SCALE: 3/32" = 1'-0"



**PROJECT**  
TENANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING, JR. BLVD., MADISON, WI

**DRAWING**  
THIRD FLOOR PLUMBING  
DEMOLITION PLAN

**DATE**  
03.10.08

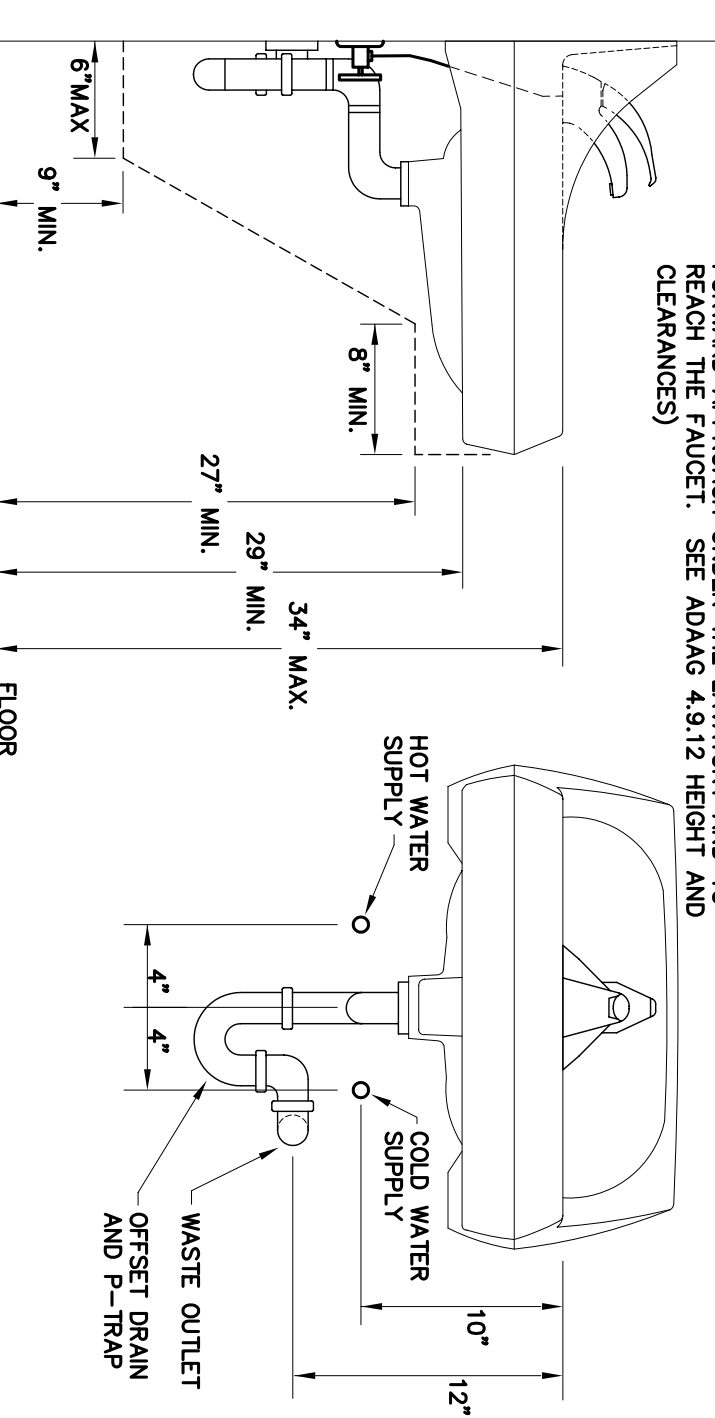


WATER PIPING ISOMETRIC  
NO SCALE

SOIL, WASTE AND VENT PIPING ISOMETRIC  
NO SCALE

THIRD FLOOR PLUMBING RECONSTRUCTION PLAN  
SCALE:  $\frac{3}{32}'' = 1'-0''$

**1** ADA LAVATORY PIPING  
INSTALLATION DETAIL  
NO SCALE



**NOTES**  
FLOOR PENETRATIONS SHALL BE SEALED WATER TIGHT AND SHALL BE FIRE/SMOKE SEALED TO MEET OR EXCEED THE RATING OF THE EXISTING FLOOR STRUCTURE. REFER TO A15070, 2.01.

LAVATORY DRAIN/OFFSET TAILPIECE  
(ADAAG 4.19.4 EXPOSED PIPES AND SURFACES)  
-- LAVATORY DRAIN PIPES DO NOT NEED TO BE WELDED  
-- INSTALLATION TO PREVENT CONTACT  
-- THIS PIPING CONFIGURATION ALSO APPLIES TO ADA PIPING FOR COUNTERTOP LAVATORIES  
\*\*THE DASHED LINES (-) IN THE FIGURE INDICATES THE LOCATION OF THE LAVATORY'S HOT WATER SUPPLY USING A WHEELCHAIR OR OTHER MOBILITY AID TO DO A FORWARD APPROACH UNDER THE LAVATORY AND TO REACH THE FAUCET. SEE ADAAG 4.8.1.2 HEIGHT AND CLEARANCES)

(XX) = WATER SUPPLY FIXTURE UNITS

(XX) = DRAINAGE FIXTURE UNITS

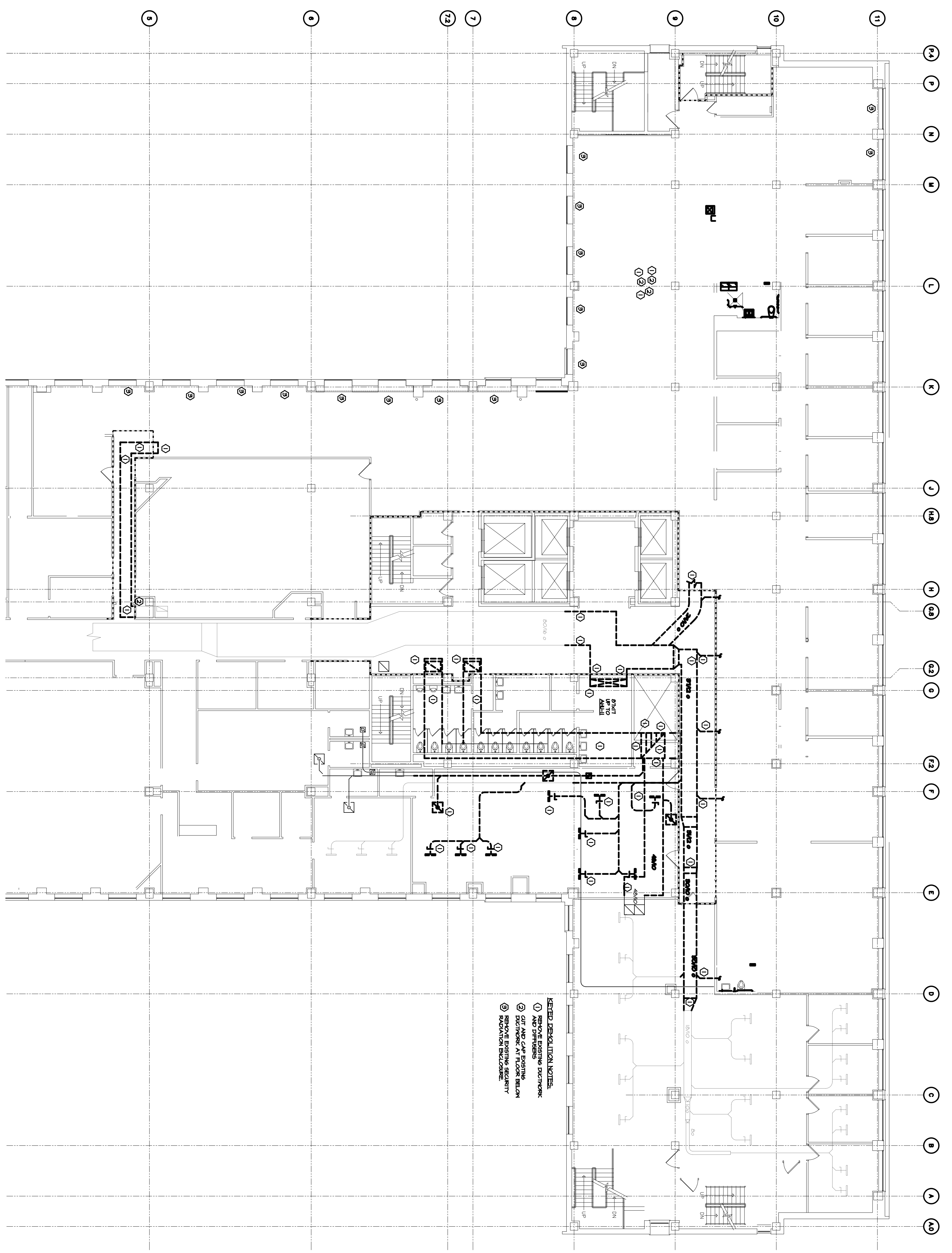
EXISTING PIPING INFORMATION SHOWN ON THIS ISOMETRIC WAS TAKEN FROM 1983 BUILDING REMODELING DRAWINGS.

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ISSUED

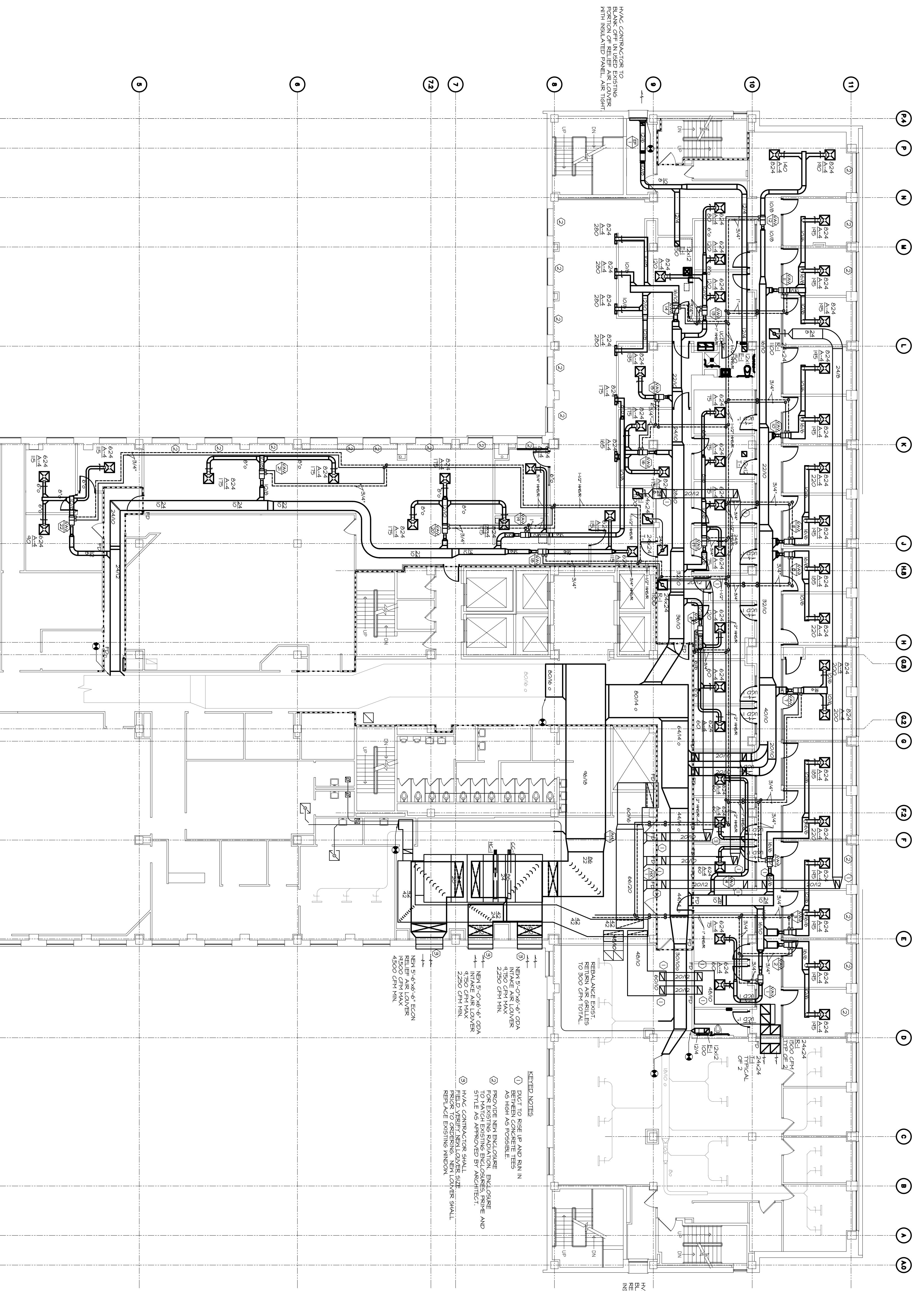
**PROJECT**  
 TENANT IMPROVEMENTS  
 THIRD FLOOR  
 CITY-COUNTY BUILDING  
 210 MARTIN LUTHER KING,  
 JR. BLVD., MADISON, WI

**DRAWING**  
 THIRD FLOOR HVAC DEMO

**DATE**  
 03.10.08

HD1.0

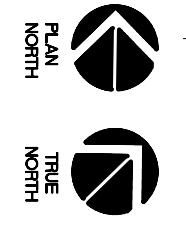
ISSUED



- KEYED NOTES**
- ① DUCT TO RISE UP AND RUN IN BETWEEN CONCRETE TIERS AS HIGH AS POSSIBLE.
  - ② PROVIDE NEW ENCLOSEMENT ENCLOSURE TO MATCH EXISTING ENCLOSURES, FRAME AND SILL AS APPROVED BY ARCHITECT.
  - ③ HVAC CONTRACTOR SHALL SITE PRIOR TO ORDERING. NEW LOWER SHALL REPLACE EXISTING WINDOW.

- ① NEW 5'-0"X6'-6" GDA INTAKE AIR LOWER 2500 CFM WAK
- ② NEW 5'-0"X6'-6" GDA INTAKE AIR LOWER 2500 CFM WAK
- ③ NEW 5'-6"X6'-6" FECON RETURN AIR LOWER 4500 CFM MIN.

1 THIRD FLOOR HVAC PLAN  
3/25/11



**PROJECT**  
TEWANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING, JR. BLVD., MADISON, WI

**DRAWING**  
THIRD FLOOR HVAC PLAN

**DATE**  
03.10.08

H1.0

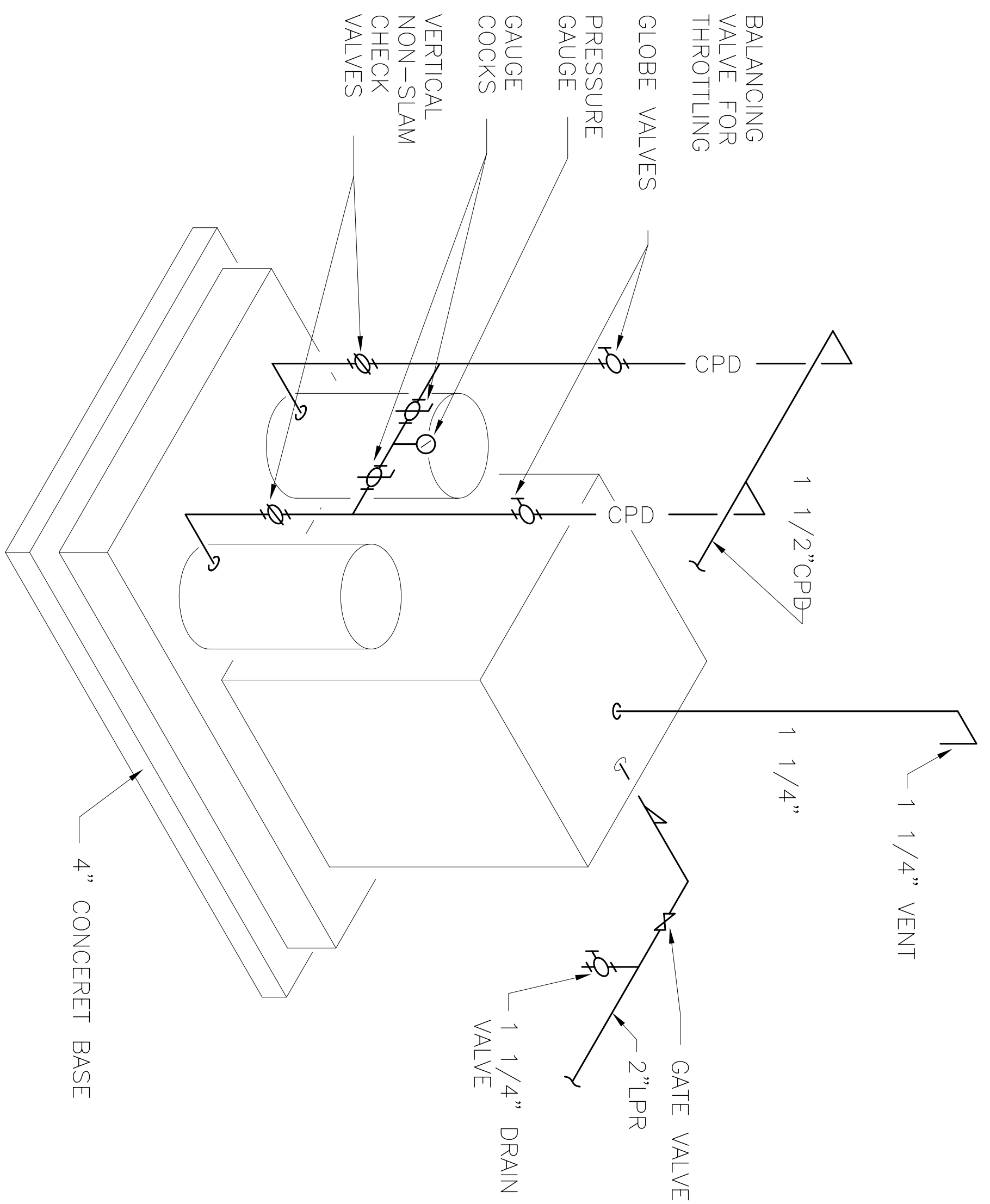




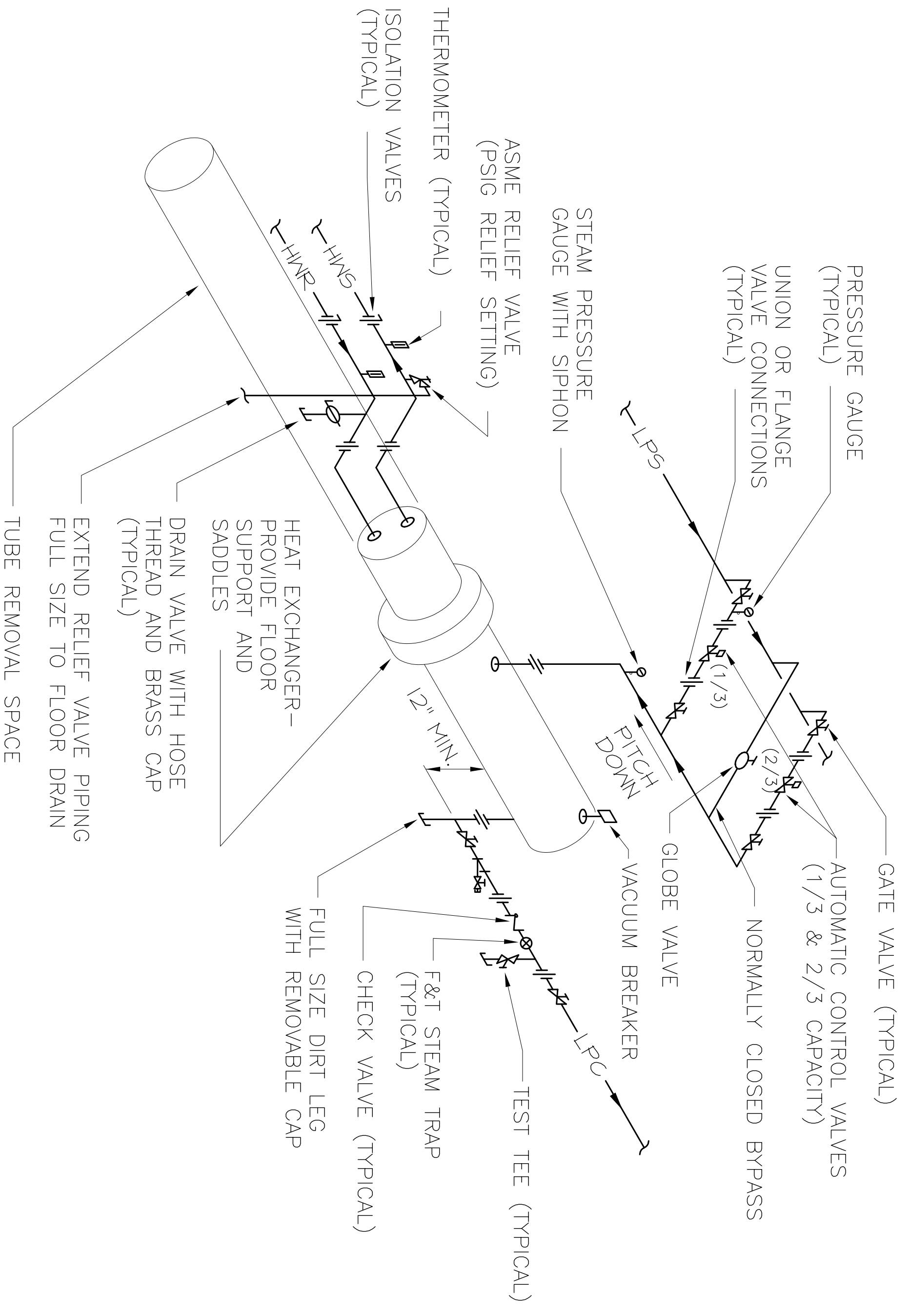
Architecture  
Planning

Dorschne/Associates, Inc.  
849 E. Washington Ave., Ste 112  
Madison, Wisconsin 53703

ISSUED

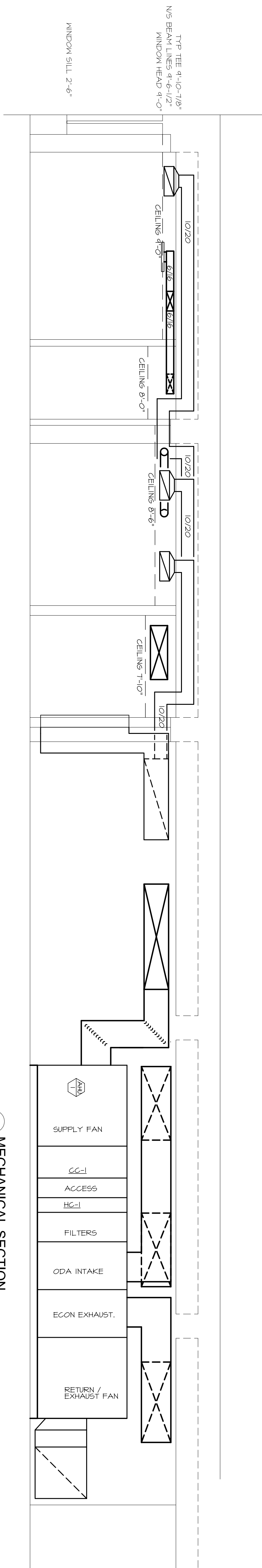


**PIPING CONNECTIONS AT  
DUPLIX CONDENSATE PUMP**  
NO SCALE



NOTE: PROVIDE OFF-SETS AND FITTINGS AS REQUIRED FOR TUBE REMOVAL.

**LOW PRESSURE STEAM TO HOT WATER  
HEAT EXCHANGER PIPING DETAIL**  
NO SCALE



**MECHANICAL SECTION**  
1/8" = 1'-0"

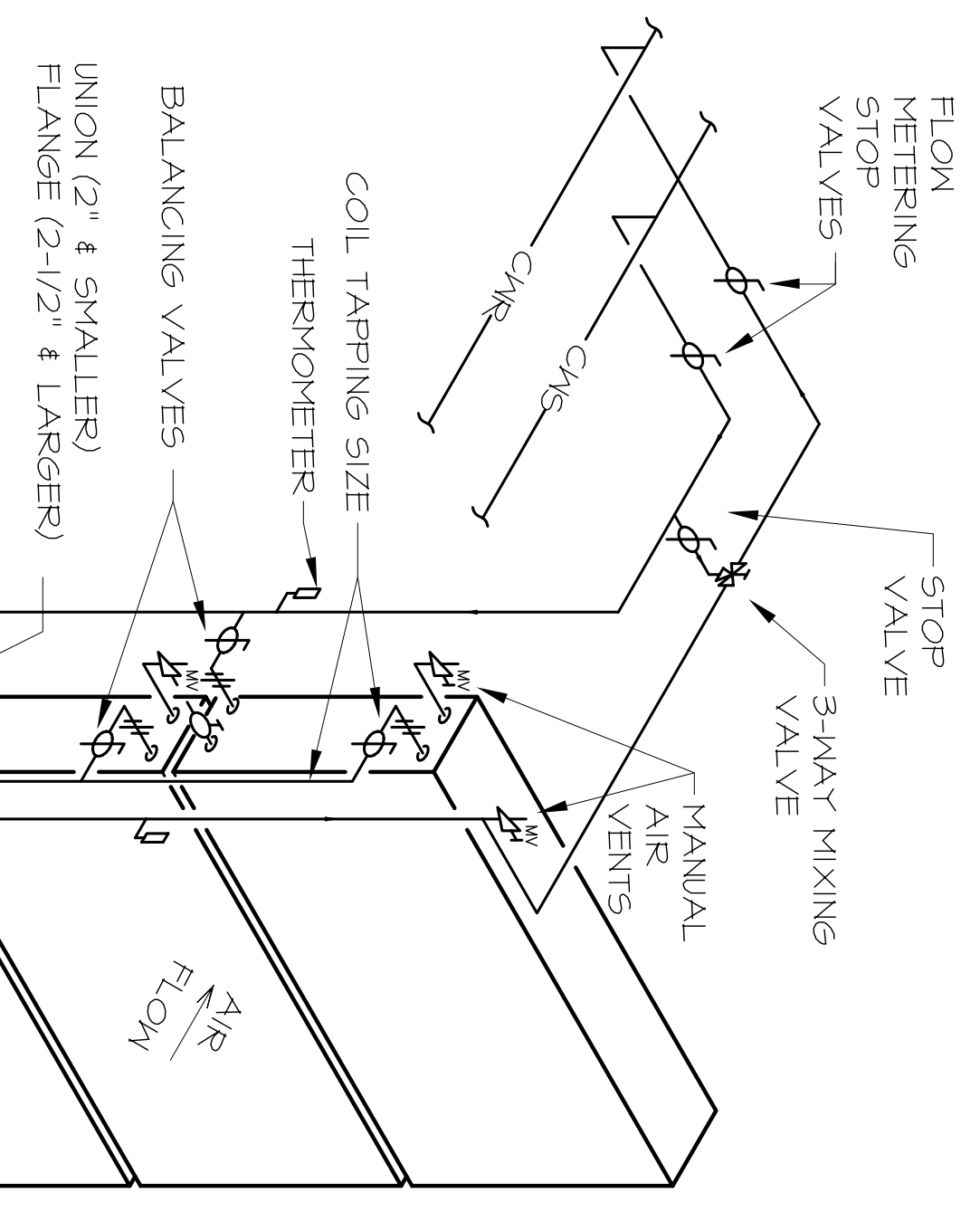
**PROJECT**  
TEWANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING,  
JR. BLVD., MADISON, WI

**DRAWING**  
HVAC DETAILS AND  
MECH ROOM SECTION  
**DATE**  
03.10.08

H1.2

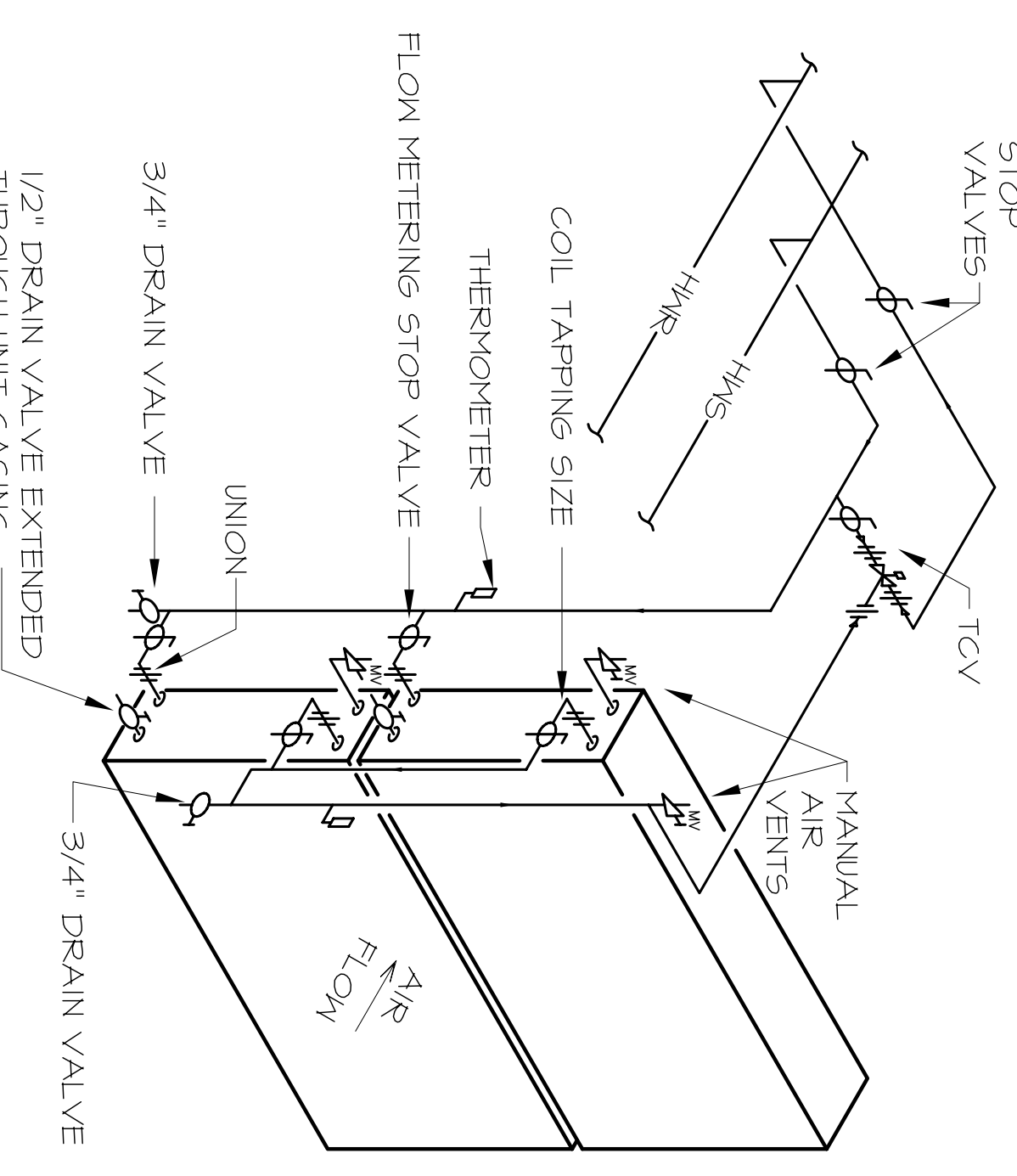
Architecture  
Planning

Dorschneff/Associates, Inc.  
849 E. Washington Ave., Ste 112  
Madison, Wisconsin 53703



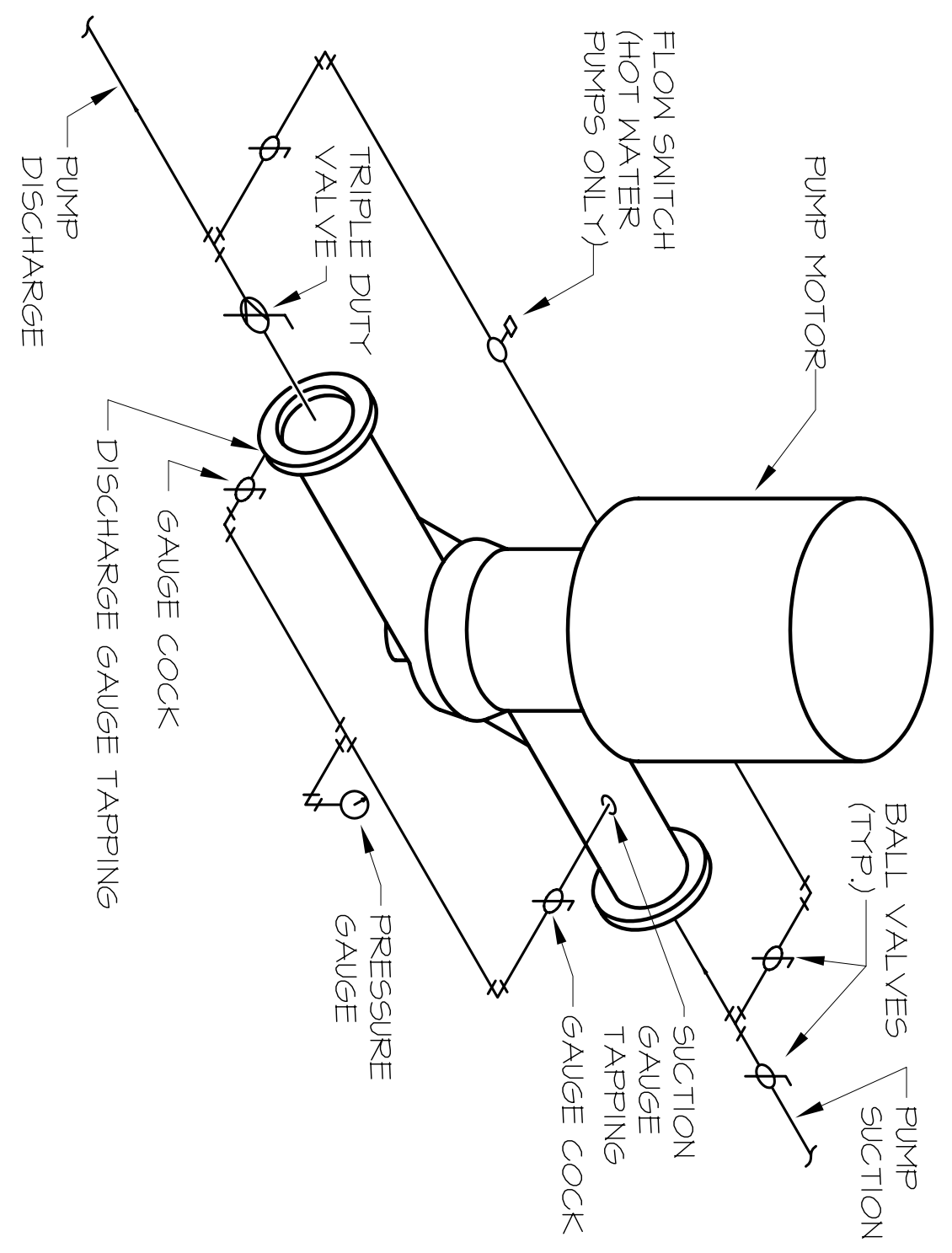
**TYPICAL COOLING COIL CHILLED WATER PIPING CONNECTIONS**  
NO SCALE

NOTE: VERIFY EXACT NUMBER OF COILS IN COIL BANK WITH AHU MANUFACTURER

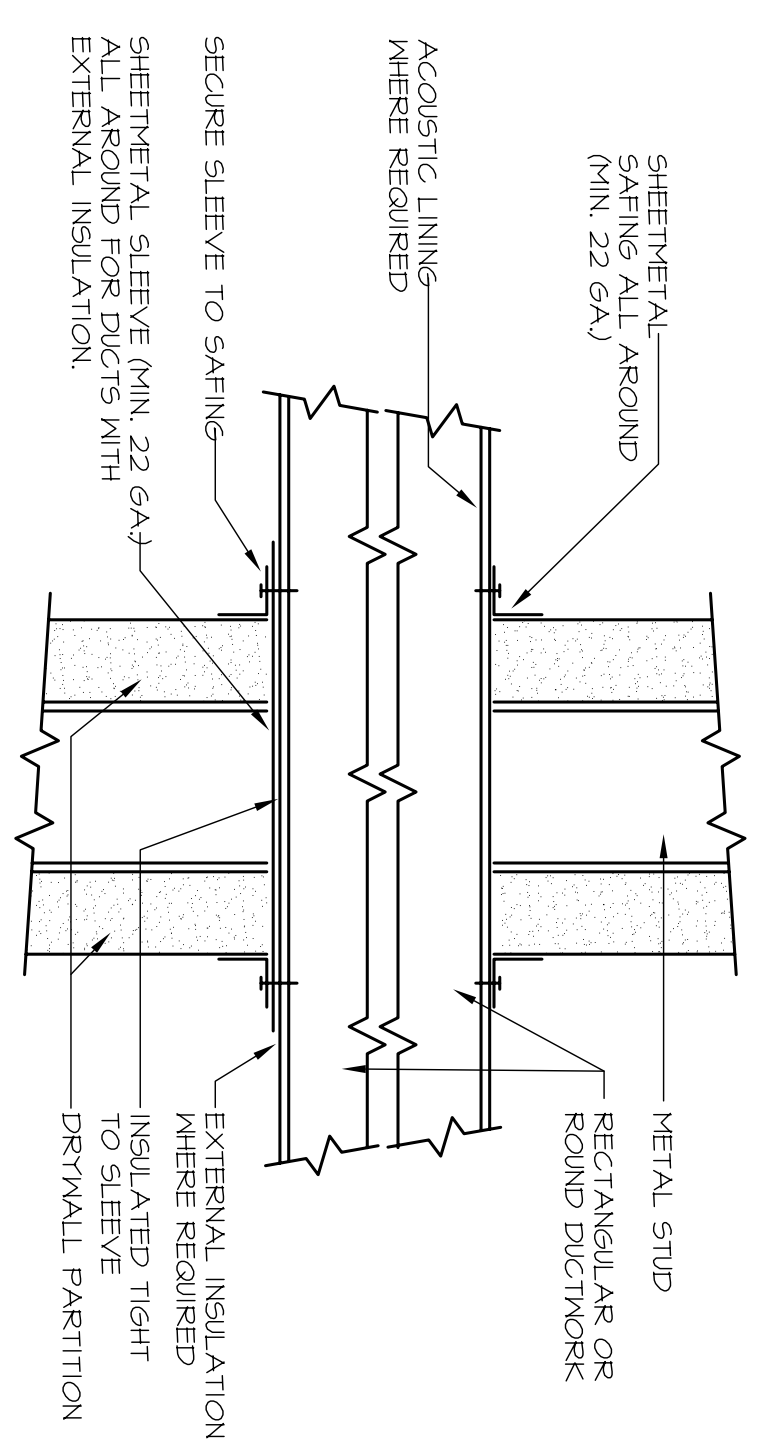


**HOT WATER HEATING COIL WITH 3-WAY CONTROL VALVE PIPING CONNECTIONS**  
NO SCALE

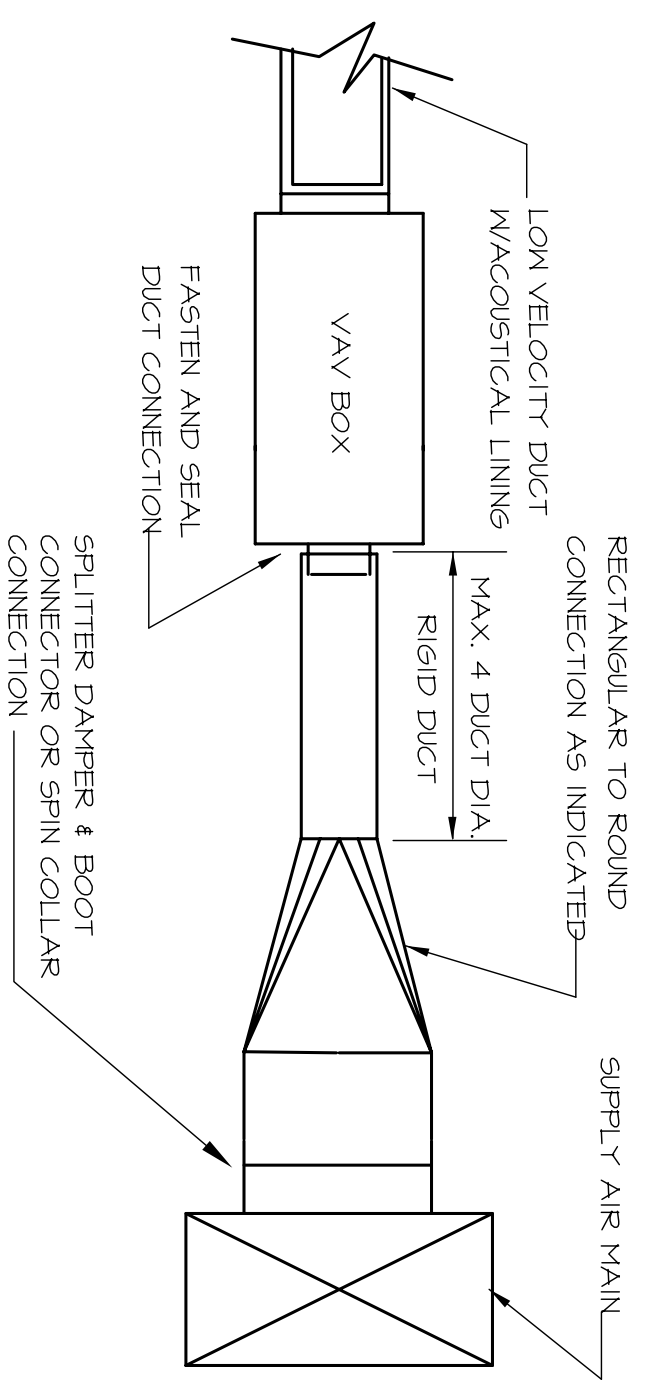
NOTE: VERIFY EXACT NUMBER OF COILS IN COIL BANK WITH AHU MANUFACTURER



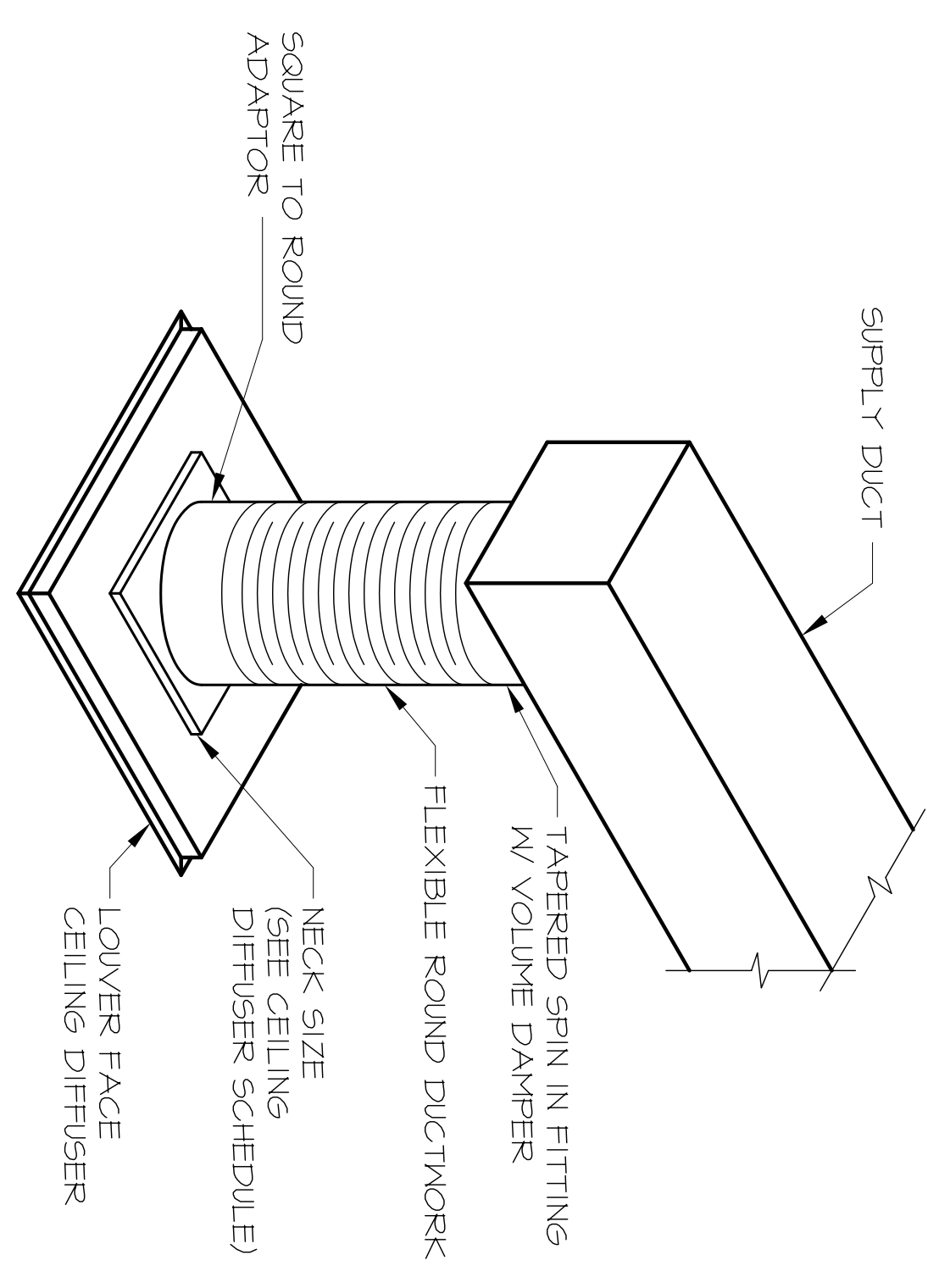
**TYPICAL CIRCULATING PUMP PIPING CONNECTIONS**  
NO SCALE



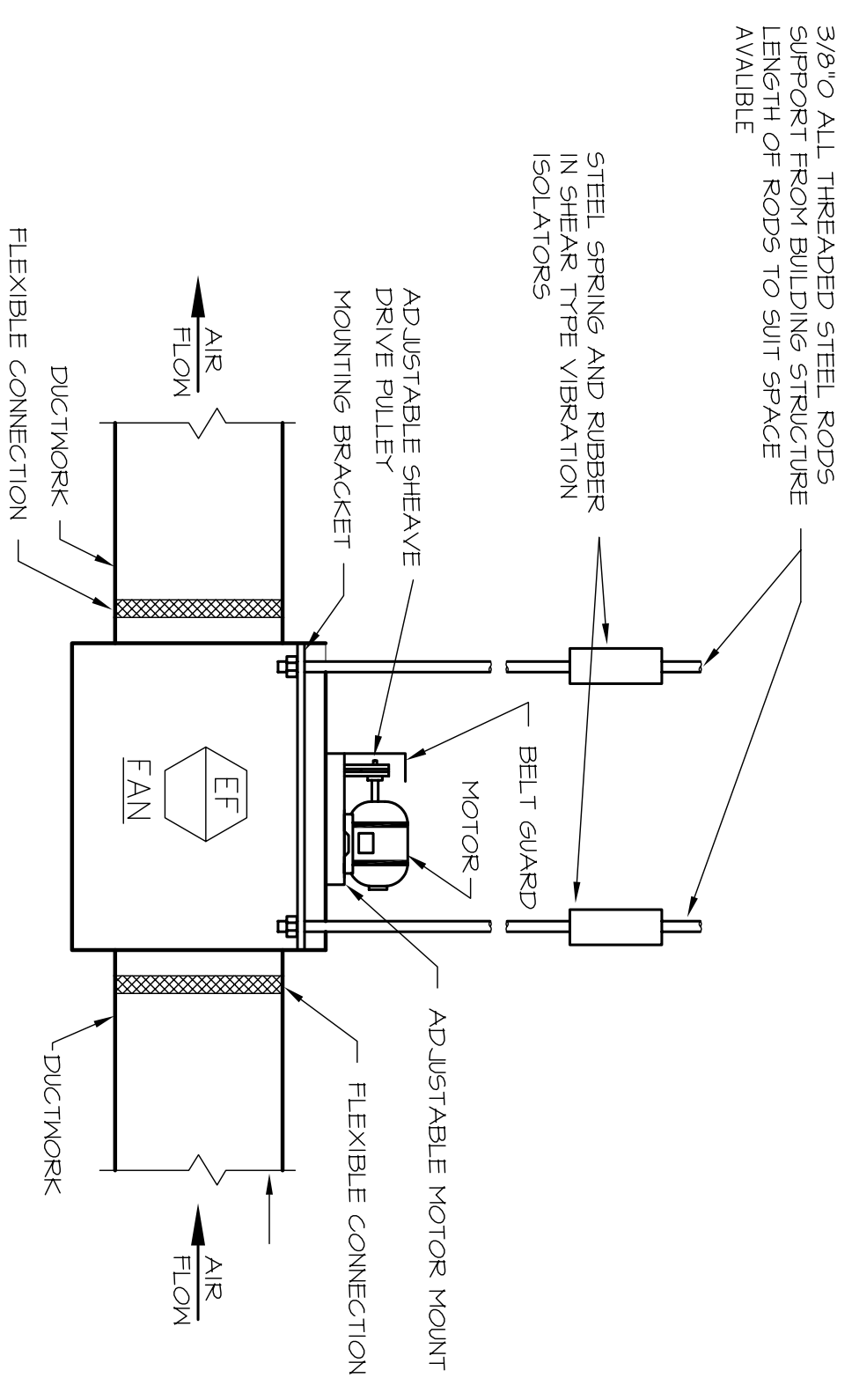
**DUCT PENETRATION THROUGH NON-FIRE RATED WALL**  
NOT TO SCALE



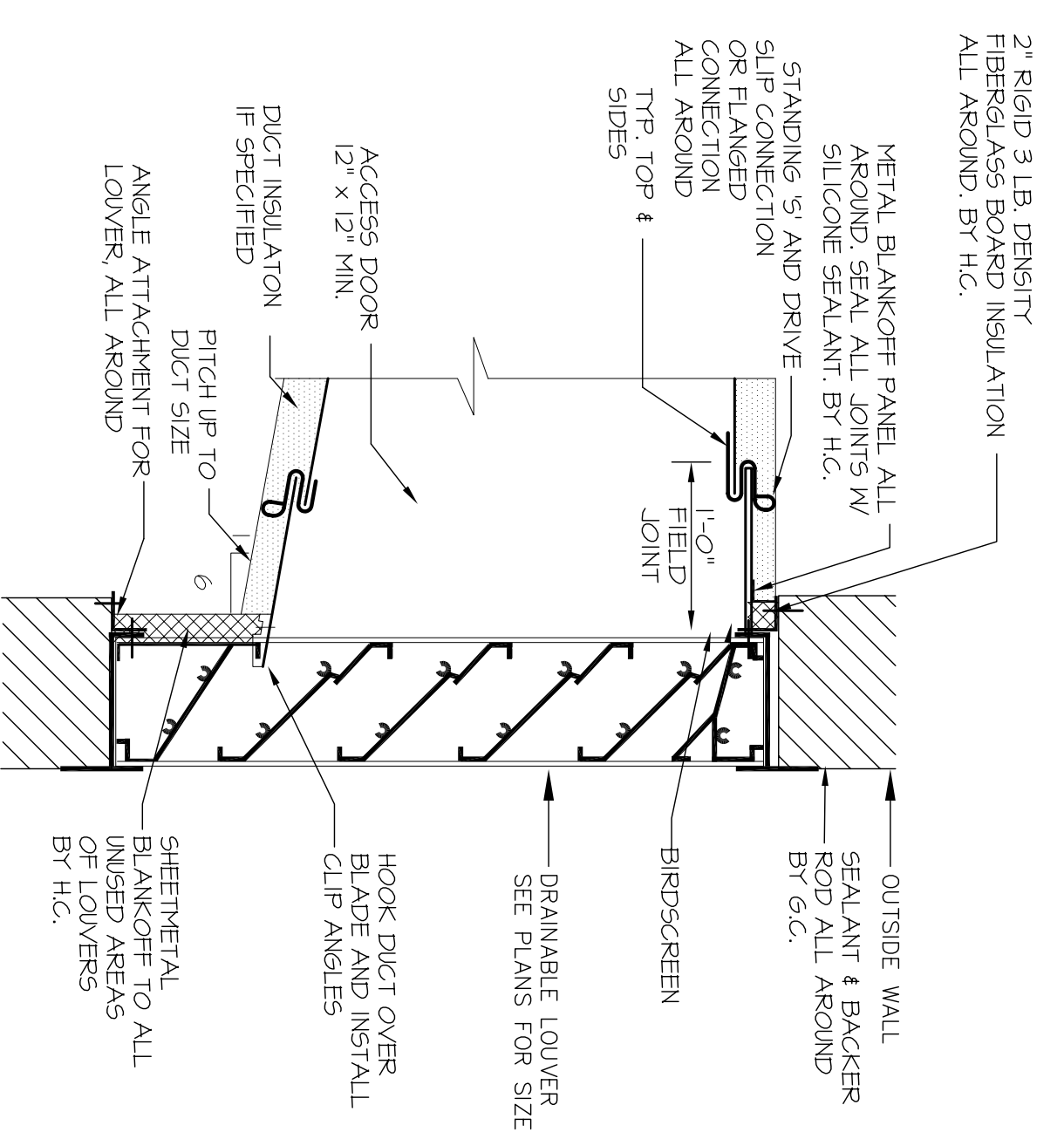
**TERMINAL BOX CONNECTION**  
NOT TO SCALE



**CEILING DIFFUSER DETAIL**  
NO SCALE



**CENTRIFUGAL IN-LINE FAN DETAIL**  
N.T.S.



**LOWER INSTALLATION DETAIL**  
NOT TO SCALE

**PROJECT**  
TEWANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING,  
JR. BLVD., MADISON, WI

**DRAWING**  
HVAC DETAILS

**DATE**  
03.10.08

**H1.3**

**ISSUED**

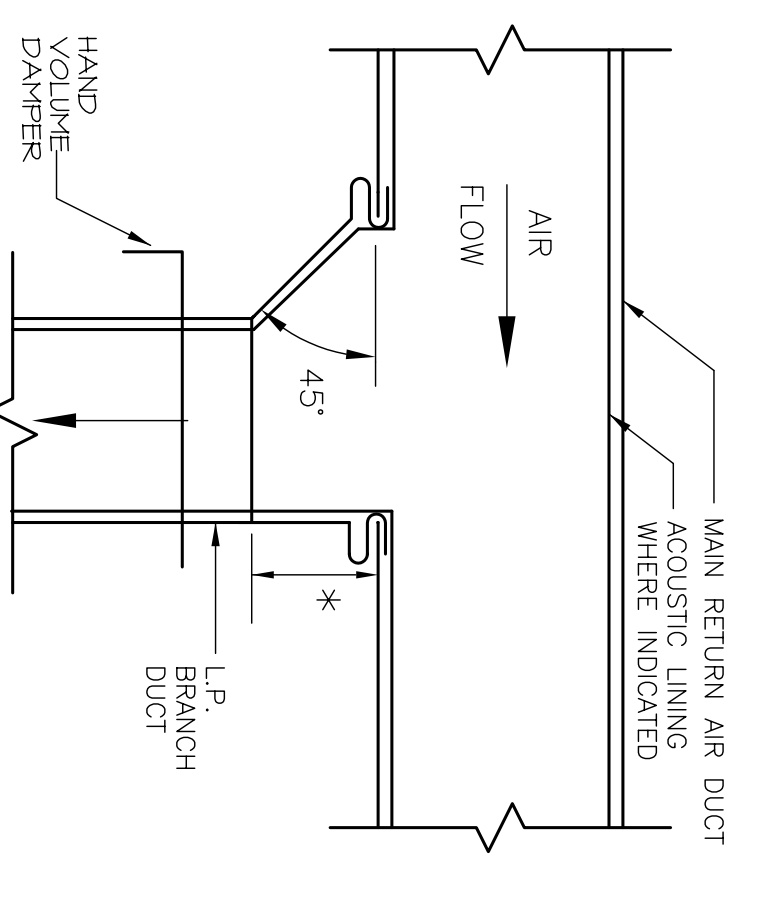
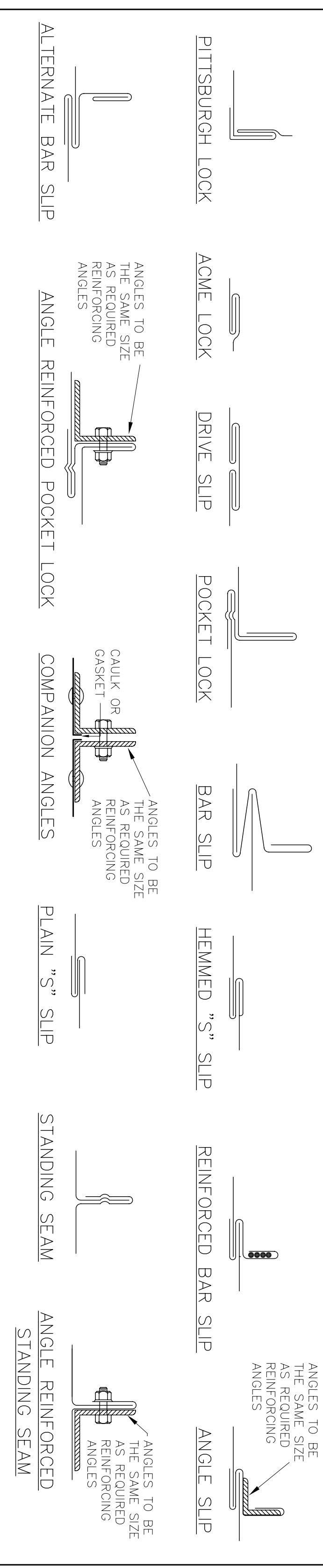
Architecture  
Planning

DorschneilAssociates, Inc.  
849 E. Washington Ave., Ste 112  
Madison, Wisconsin 53703

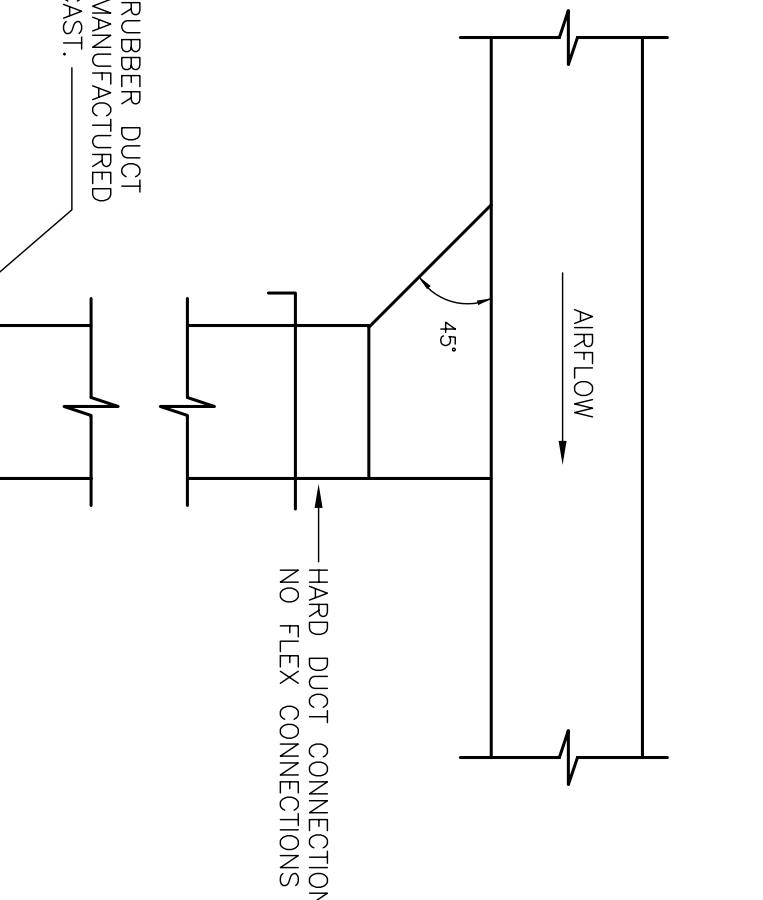
## THICKNESS & REINFORCING SCHEDULE - \* LOW PRESSURE DUCTWORK

\*NOTE: LOW PRESSURE DUCTWORK SHALL BE DUCTWORK IN WHICH THE PRESSURE DOES NOT EXCEED 2" WATER GAUGE.

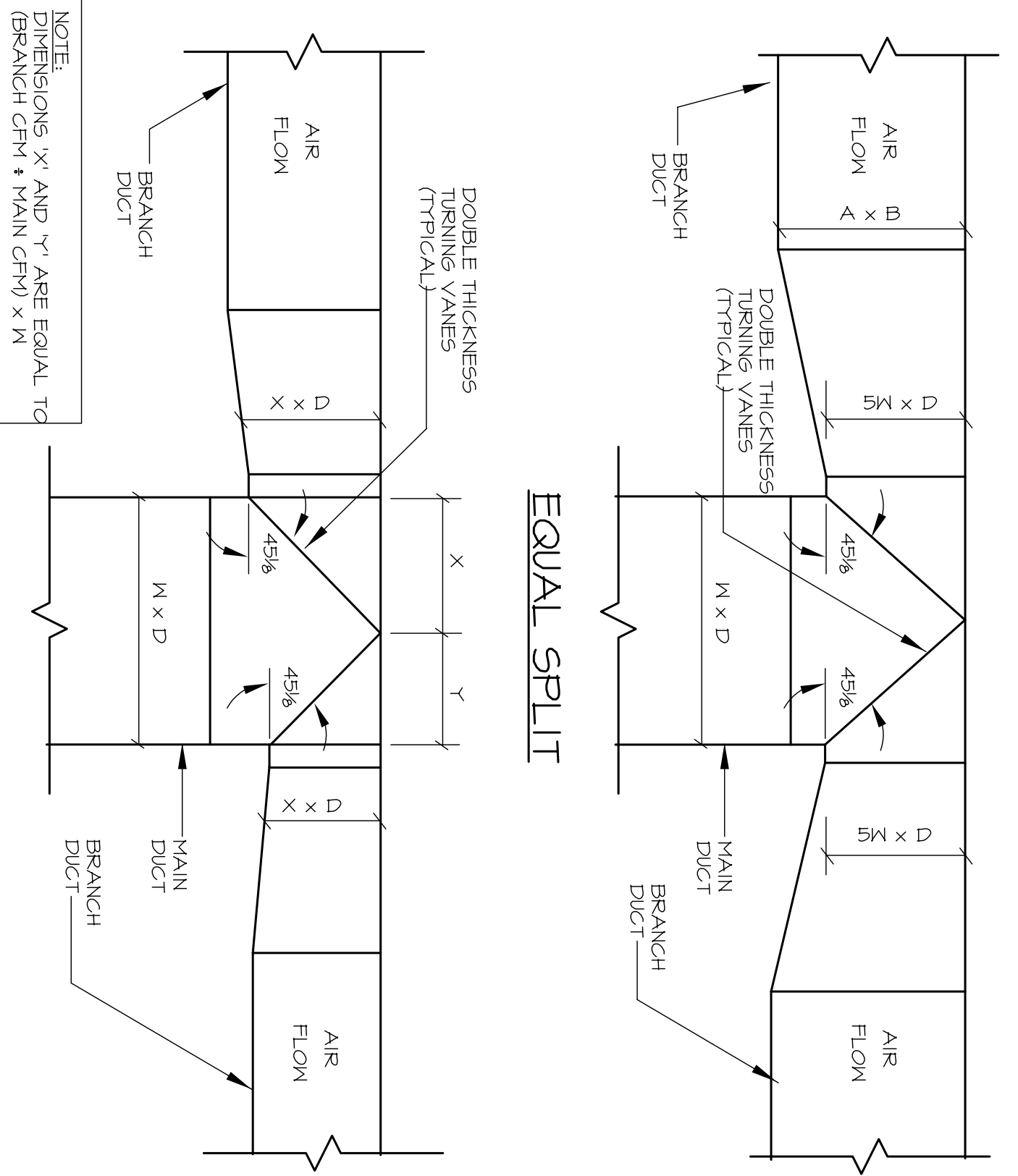
GREATEST DUCT DIMENSION	STEEL DUCTS U.S. STANDARD GAUGE	ALUMINUM DUCTS B. & S. GAUGE	LONGITUDINAL SEAM	TRANSVERSE JOINT SMALLEST DIMENSION	TRANSVERSE JOINT (LARGEST DIMENSION)	REINFORCING (ALL DUCTS 18" THRU 54" SHALL BE CROSSBROKEN)
12" OR LESS	26	24(0.020")	PITTSBURGH OR AOME LOCK	DRIVE SLIP OR DRIVE LOCK OR BAR SLIP OR POCKET LOCK	PLAN "S" SLIP OR POCKET LOCK OR BAR SLIP OR POCKET LOCK	NONE REQUIRED
13" THRU 18"	24	22(0.025")	PITTSBURGH OR AOME LOCK	HEMMED "S" SLIP OR BAR SLIP OR DRIVE SLIP OR 1" POCKET LOCK	HEMMED "S" SLIP OR BAR SLIP OR POCKET LOCK	NONE REQUIRED
19" THRU 30"	24	22(0.025")	PITTSBURGH OR AOME LOCK	HEMMED "S" SLIP OR BAR SLIP OR DRIVE SLIP OR 1" POCKET LOCK	HEMMED "S" SLIP OR BAR SLIP OR POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING FASTENED ON 8" CENTERS
31" THRU 42"	22	20(0.032")	PITTSBURGH OR AOME LOCK	DRIVE SLIP 18" OR LESS BAR SLIP OR POCKET LOCK	BAR SLIP OR REINFORCED BAR SLIP OR POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING FASTENED ON 8" CENTERS
43" THRU 54"	22	20(0.032")	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING FASTENED ON 8" CENTERS
55" THRU 60"	20	18(0.040")	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING FASTENED ON 8" CENTERS
61" THRU 84"	20	18(0.040")	PITTSBURGH LOCK	REINFORCED BAR SLIP, OR REINFORCED NAIVE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCED BAR SLIP, OR REINFORCED NAIVE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCE ALL SIDES OVER 60" WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. SIDES UNDER 60" NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x 1 1/2"x1/8" ANGLES ON 4'-0" CENTERS.
85" THRU 96"	18	16(0.051") (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	1 1/2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	1 1/2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 96" WITH 2"x2"x1/4" ANGLES ON 2'-0" CENTERS. SIDES 61" THRU 84" REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES UNDER 60" WITH 1 1/2"x1 1/2"x1/8" AN- GLES IF JOINTS ARE 8'-0" ON CENTER. NO REINFORCING IF JOINTS ARE 4'-0" ON CENTER.
OVER 96"	18	16(0.051") (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 96" WITH 2"x2"x1/4" ANGLES ON 2'-0" CENTERS. SIDES 61" THRU 84" REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES UNDER 60" WITH 1 1/2"x1 1/2"x1/8" AN- GLES IF JOINTS ARE 8'-0" ON CENTER. NO REINFORCING IF JOINTS ARE 4'-0" ON CENTER.



TYPICAL SUPPLY AIR BRANCH DUCT TAKE-OFF  
NOT TO SCALE



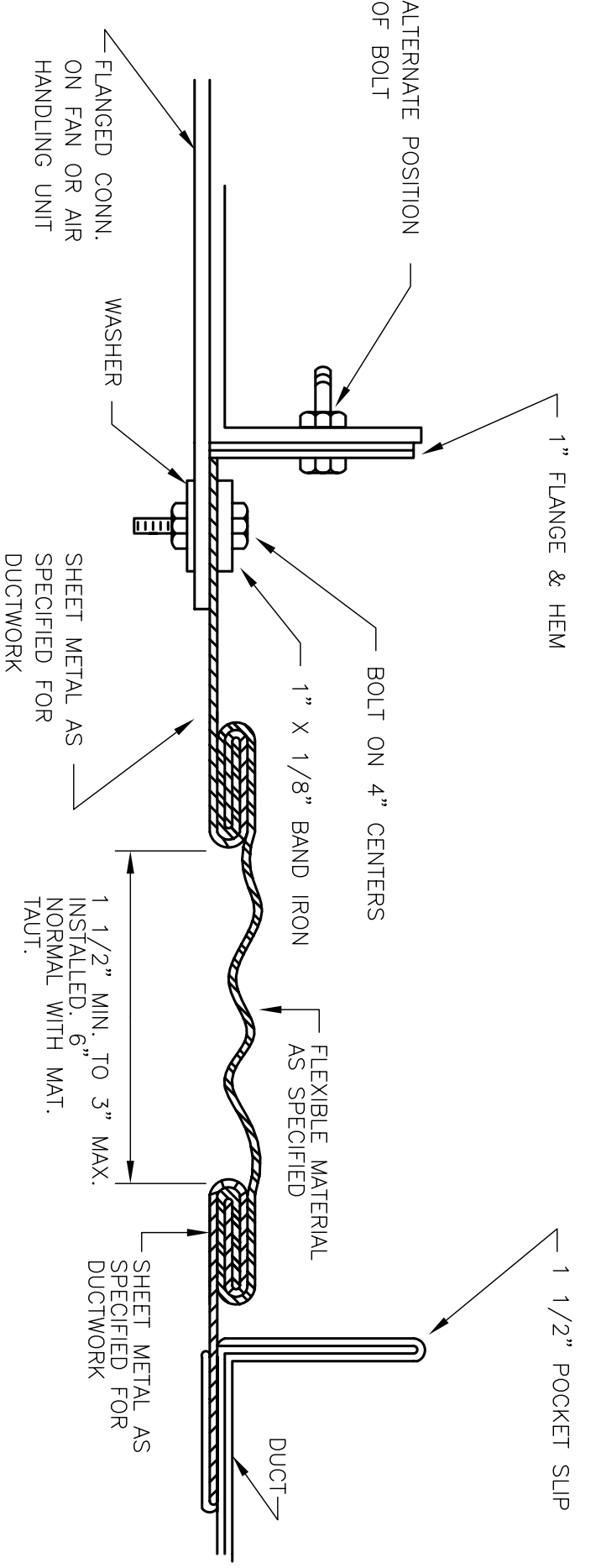
TYPICAL LOW PRESSURE BRANCH DUCT TAKE-OFF  
NOT TO SCALE



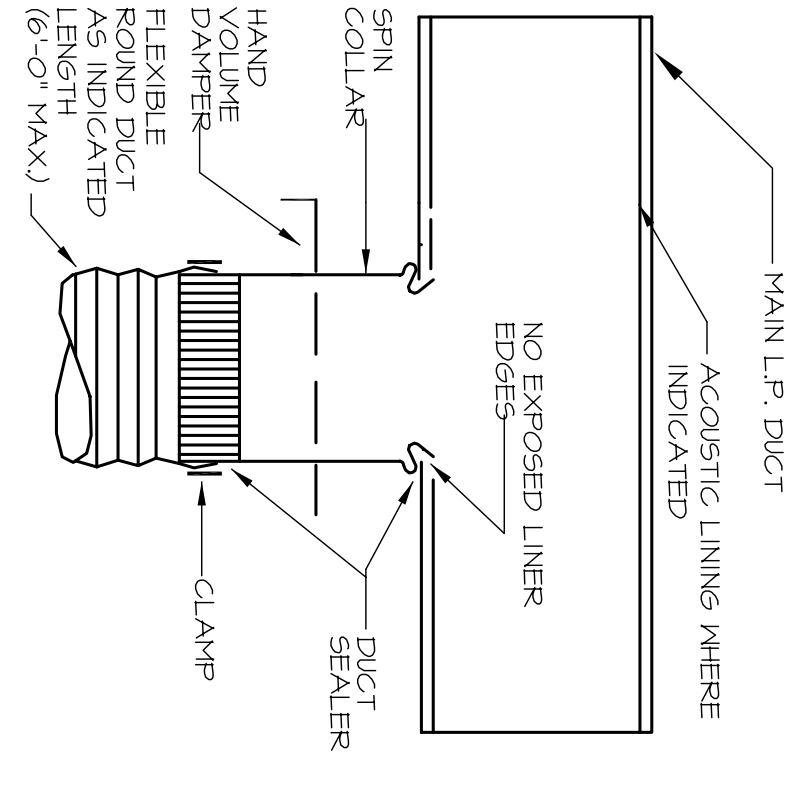
EQUAL SPLIT

NOTE: DIMENSIONS 'X' AND 'Y' ARE EQUAL TO BRANCH CFM \* MAIN CFM0 X M

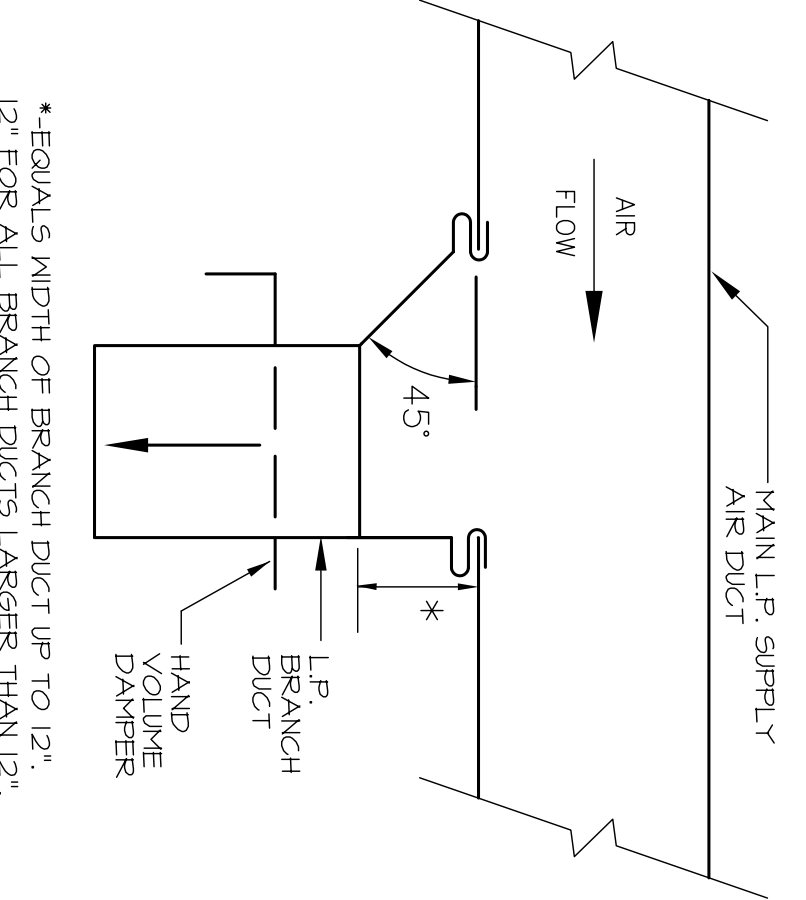
DUCT TEE CONNECTION DETAIL  
NOT TO SCALE



RECTANGULAR FLEXIBLE CONNECTION DETAIL  
N.T.S.



TYPICAL LOW PRESSURE BRANCH DUCT TAKE-OFF  
NOT TO SCALE



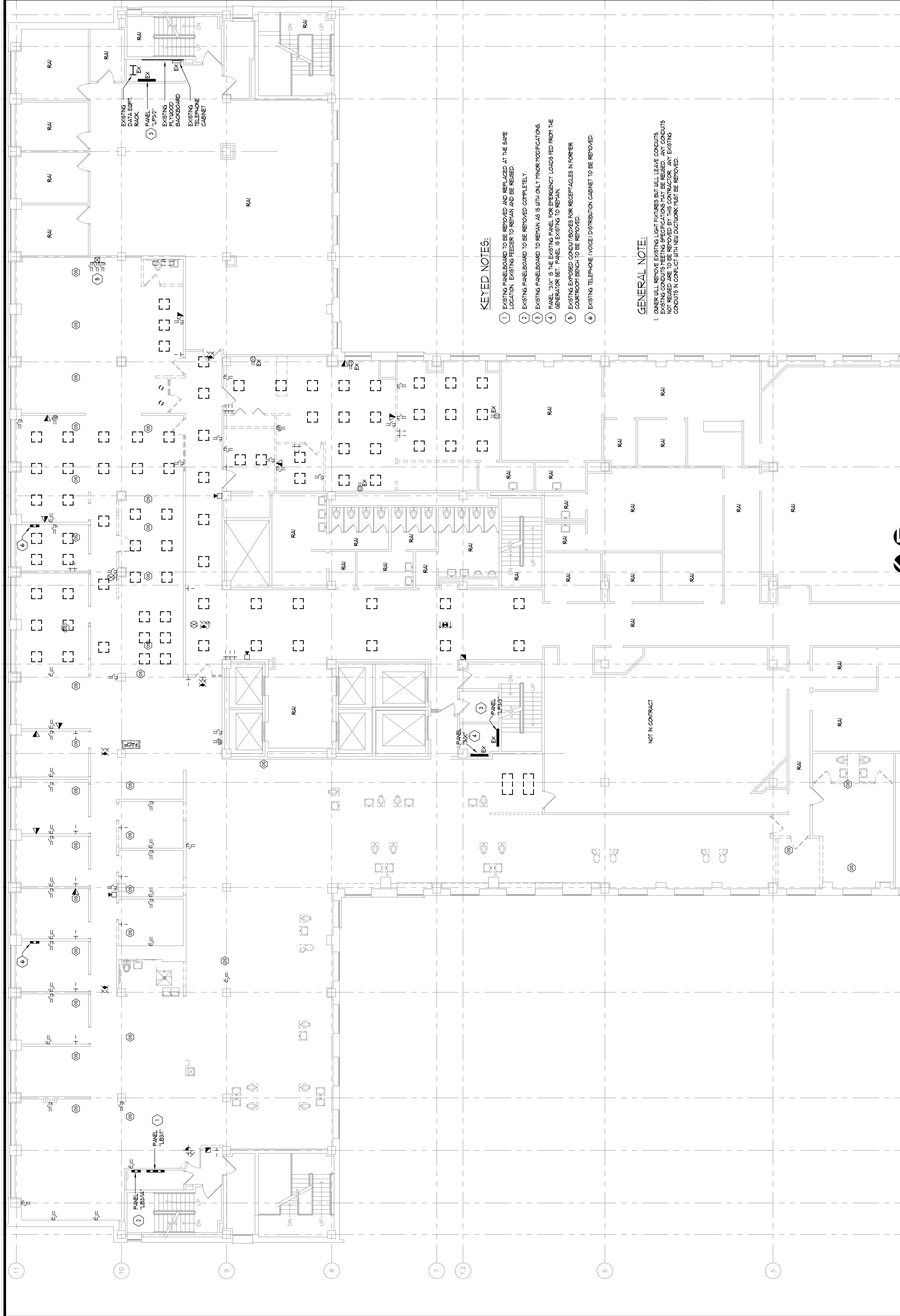
TYPICAL LOW PRESSURE BRANCH DUCT TAKE-OFF  
NOT TO SCALE

\*-EQUALS WIDTH OF BRANCH DUCT UP TO 12". 12" FOR ALL BRANCH DUCTS LARGER THAN 12".

HARD DUCT CONNECTIONS ONLY. NO FLEX CONNECTIONS PERMITTED.

\*-EQUALS WIDTH OF BRANCH DUCT UP TO 12". 12" FOR ALL BRANCH DUCTS LARGER THAN 12".





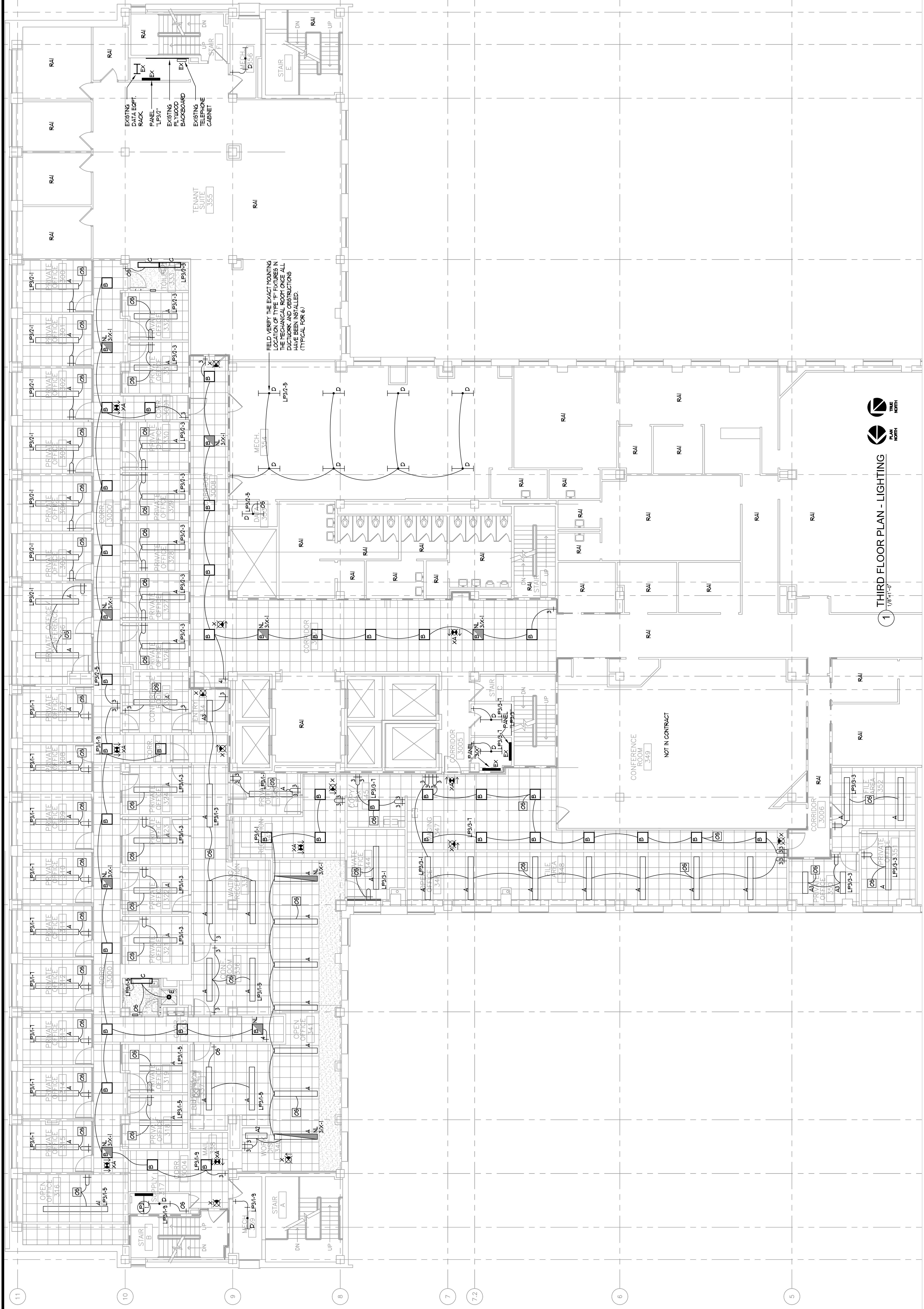
**KEYED NOTES:**

- 1) EXISTING PANELBOARD TO BE REMOVED AND REPLACED AT THE SAME LOCATION. EXISTING FEEDER TO REMAIN AND BE REUSED.
- 2) EXISTING PANELBOARD TO BE REMOVED COMPLETELY.
- 3) EXISTING PANELBOARD TO REMAIN AS IS WITH ONLY MINOR MODIFICATIONS.
- 4) PANEL 1'x3" IS THE EXISTING PANEL FOR EMERGENCY LOADS FED FROM THE GENERATOR SET. PANEL IS EXISTING TO REMAIN.
- 5) EXISTING EXPOSED CONDUIT/BOXES FOR RECEPTACLES IN FRONT OF CORRIDOR BENCH TO BE REMOVED.
- 6) EXISTING TELEPHONE (VOICE) DISTRIBUTION CABINET TO BE REMOVED.

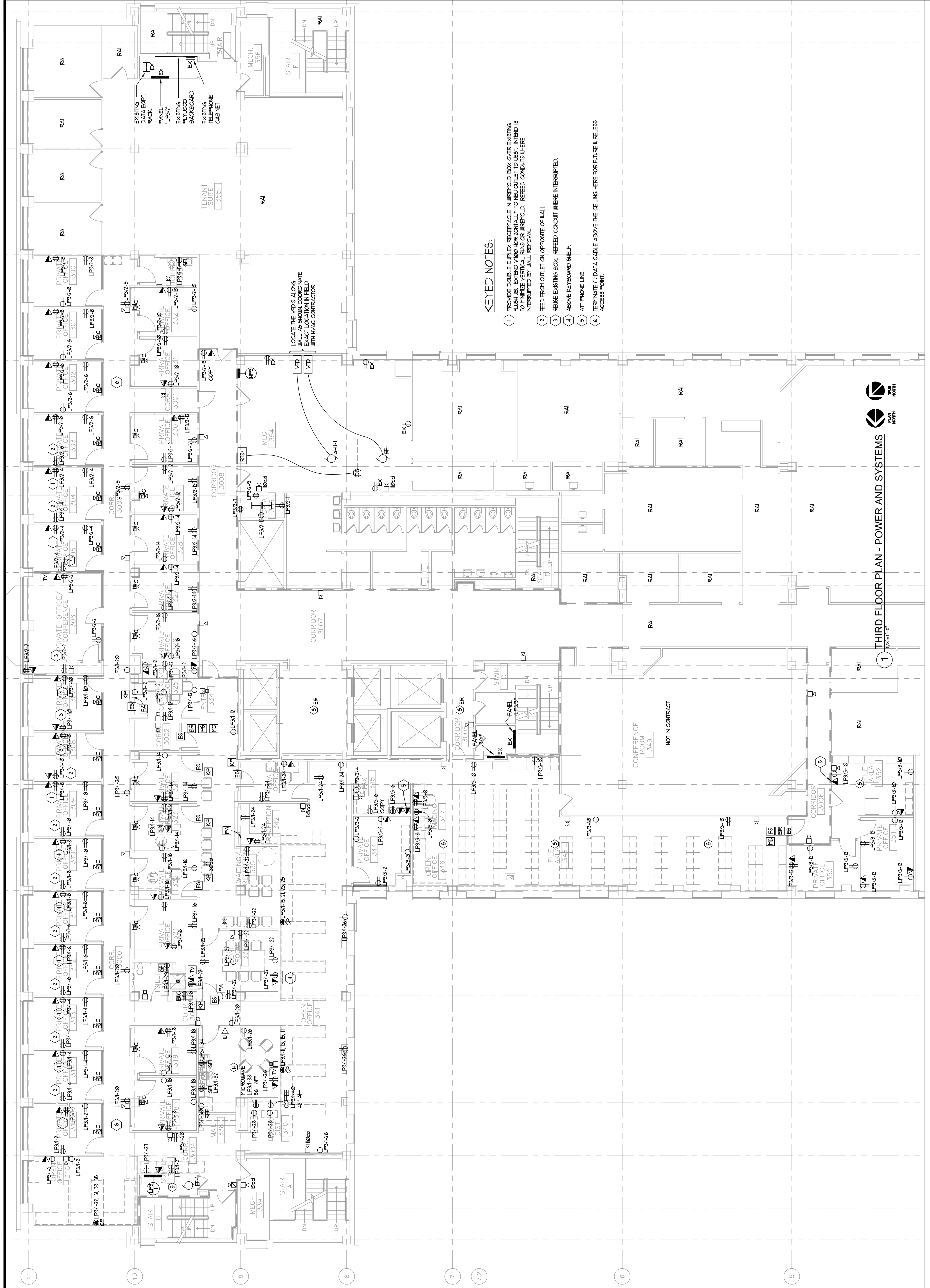
**GENERAL NOTE:**

1. OWNER WILL REMOVE EXISTING LIGHT FIXTURES BUT WILL LEAVE CONDUITS IN PLACE. EXISTING LIGHT FIXTURES NOT REUSED ARE TO BE REMOVED BY THIS CONTRACTOR. EXISTING CONDUITS IN CONFLICT WITH NEW DUCTWORK MUST BE REMOVED.





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

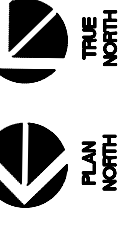


KEYED NOTES:

- 1 PROVIDE DOUBLE DUPLEX RECEPTACLE IN WIREHOLD BOX OVER EXISTING FLUSH JB. EXTEND 1/2" HORIZONTALLY TO NEW OUTLET TO LEFT. INTEND IS TO MINIMIZE VERTICAL RUNS OR WIREHOLD. REFEED CONDUITS WHERE INTERRUPTED BY WALL REMOVAL.
- 2 FEED FROM OUTLET ON OPPOSITE OF WALL.
- 3 REUSE EXISTING BOX. REFEED CONDUIT WHERE INTERRUPTED.
- 4 ABOVE KEYBOARD SHELF.
- 5 ATT PHONE LINE.
- 6 TERMINATE (1) DATA CABLE ABOVE THE CEILING HERE FOR FUTURE WIRELESS ACCESS POINT.

LOCATE THE VPD'S ALONG WALL AS SHOWN. COORDINATE EXACT LOCATION IN FIELD WITH HVAC CONTRACTOR.

CONFERENCE ROOM 349  
NOT IN CONTRACT



THIRD FLOOR PLAN - POWER AND SYSTEMS  
1/8"=1'-0"

**LIGHT FIXTURE SCHEDULE**

TAG NO	LAMP DATA	DESCRIPTION	MAKE	LIGHTING FIXTURE	CATALOG NO	MOUNT	CEILING TYPE	VOLT	SEE NOTE
A 4	F9T8/895/0/0/MECO	SUSPENDED LINEAR INDIRECT FIXTURE - 8 FT. LENGTH	AXIS LIGHTING	202C-PL-12-12-1-A-0-0-E-100-1	PENDANT	LAY-N GRID	00	13.4	
AI 6	F9T8/895/0/0/MECO	SUSPENDED LINEAR INDIRECT FIXTURE - 10 FT. LENGTH	AXIS LIGHTING	202C-PL-12-12-1-A-0-0-E-100-1	PENDANT	LAY-N GRID	00	13.4	
AI 7	F9T8/895/0/0/MECO	SUSPENDED LINEAR INDIRECT FIXTURE - 4 FT. LENGTH	AXIS LIGHTING	202GUL-PL-12-12-1-A-0-0-E-100-1	WALL	LAY-N GRID	00	1.4	
B 2	F9T8/895/0/0/MECO	LOW PROFILE RECESSED 2X FIXTURE WITH MICRO BUMBLE	CORELITE	RP-10-12-12-1-A-0-0-E-100-1	RECESSED	DRYWALL	00	1.4	
C 2	F9T8/895/0/0/MECO	1/4" RECESSED PARABOLIC TROFFER - 1 CELL LOWER	METALUX	IC-233-UNV-EB8	SURFACE	DRYWALL	00	1.4	
D 2	F9T8/895/0/0/MECO	4-FOOT INDUSTRIAL STRIP - 1 LAMP	HALO	180TE-900TP	RECESSED	DRYWALL	00	1	
E 2	F9T8/895/0/0/MECO	COMPACT FLUORESCENT SHOWER DOWNLIGHT WITH LENS	SURE-LITE	CAXT-17-10-00-R-SD	UNIVERSAL	VARIABLES	00	2	
X	LED UNIT	DIE CAST ALUMINUM EXIT SIGN - SINGLE FACE	SURE-LITE	CAXT-17-10-00-R-SD	UNIVERSAL	VARIABLES	00	2	
XI	LED UNIT	DIE CAST ALUMINUM EXIT SIGN - DOUBLE FACE	SURE-LITE	CAXT-17-10-00-R-SD	UNIVERSAL	VARIABLES	00	2	

- NOTES:  
1) PROVIDE FIXTURE WITH AN ELECTRONIC BALLAST. PROVIDE MULTIPLE BALLASTS WHERE REQUIRED FOR DUAL-LEVEL SWITCHING AS SHOWN ON PLANS.  
2) PROVIDE FIXTURE WITH AN INTEGRAL BATTERY FOR EMERGENCY OPERATION FOR 90 MINUTES UPON LOSS OF NORMAL POWER SOURCE.  
3) SUSPENDED FIXTURES TO BE INSTALLED AT 18" BELOW THE CEILING TO THE BOTTOM OF THE FIXTURE.  
4) ALL BALLASTS (1-4 LAMP) SHALL OPERATE AS A PARALLEL CIRCUIT ALL OWING REMAINING LAMPS TO MAINTAIN FULL LIGHT OUTPUT IF ONE OR MORE LAMPS FAIL.

**FIRE ALARM SYMBOLS**

- NEW FIRE ALARM CONTROL PANEL  
NEW FIRE ALARM ANNUNCIATOR PANEL  
NEW FIRE ALARM PULL STATION 48" AFF  
EXISTING FIRE ALARM PULL STATION  
FIRE ALARM MANSOONER - CEILING MOUNTED  
EXISTING HORN/STROBE  
HORN/ELECTRIC SMOKE DETECTOR  
NEW INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR FOR ELEVATOR RECALL  
EXISTING CONVENTIONAL SMOKE DETECTOR  
NEW INTELLIGENT 125°F FIXED RATE OF RISE 15 FT/M UNLESS NOTED ON THE PLANS  
EXISTING CONVENTIONAL HEAT DETECTOR  
NEW INTELLIGENT PHOTOELECTRIC DUCT SMOKE DETECTOR  
NEW ADDRESSABLE MONITOR MODULE  
NEW ADDRESSABLE CONTROL MODULE  
NEW SPRINKLER TAMPER SWITCH (PROVIDE ADDRESSABLE MODULE)  
NEW SPRINKLER FLOW SWITCH (PROVIDE ADDRESSABLE MODULE)  
NEW FIRE ALARM STROBE - ADA RATED 80" TO BOTTOM OF BOX OR 6' DOWN FROM CEILING TO TOP OF BOX, WHICHEVER IS LOWER  
PRESSURE SWITCH  
SMOKE DAMPER  
RECYCLE TEST SWITCH AND INDICATOR STATION

**ELECTRICAL SYMBOLS**

- FLUORESCENT STRIP  
FLUORESCENT RECESSED FIXTURE  
FLUORESCENT SURFACE OR PENDANT FIXTURE  
FLUORESCENT WALL BRACKET  
RECESSED FIXTURE  
SURFACE FIXTURE  
WALLWASH FIXTURE  
WALL MOUNTED FIXTURE  
SINGLE POLE TOGGLE SWITCH (3) THREE WAY (4) FOUR WAY (K) KEY (P) PILOT LIGHT (OS) OCCUPANCY SENSOR MOUNT 48" ABOVE FLOOR TO TOP OF BOX  
DUAL LEVEL SWITCH (3) THREE WAY (4) FOUR WAY (K) KEY (P) PILOT LIGHT (OS) OCCUPANCY SENSOR MOUNT 48" ABOVE FLOOR TO TOP OF BOX  
DUPLEX RECEPTACLE 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED  
DOUBLE DUPLEX RECEPTACLE 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED  
DUPLEX RECEPTACLE HORIZONTAL ABOVE COUNTER  
DOUBLE DUPLEX RECEPTACLE HORIZONTAL ABOVE COUNTER  
DUPLEX RECEPTACLE FLUSH IN FLOOR OR (P) FEDESTAL MOUNTED  
TELEPHONE OUTLET 15" ABOVE FLOOR TO BOTTOM OF BOX - (U) WALL OR HEIGHT AS INDICATED  
ACCESSIBLE ONLY - HEIGHT MEASURED FROM FLOOR TO TOP OF BOX (P) PAY PHONE  
VOICE/DATA OUTLET  
SPECIAL OUTLET  
MOTOR  
DISCONNECT SWITCH  
JUNCTION BOX  
PUSHBUTTON - 57" MAX. IF SIDE ACCESSIBLE OR 48" MAX. IF FORWARD ACCESSIBLE ONLY. HEIGHT MEASURED FROM FLOOR TO TOP OF BOX.  
TELEVISION OUTLET 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED - PROVIDE 3/4" SLEEVE TO ACCESSIBLE CEILING.  
BIOMETER READER - EC TO ROUGH-IN  
CARD READER - EC TO ROUGH-IN  
ELECTRIC STRIKE - EC TO ROUGH-IN  
MOTION DETECTOR - EC TO ROUGH-IN  
OCCUPANCY SENSOR  
PANIC ALARM - EC TO ROUGH-IN  
POWER SUPPLY - EC TO ROUGH-IN  
EMERGENCY BATTERY UNIT, WALL MOUNTED  
CEILING MOUNTED EXIT SIGN  
WALL MOUNTED EXIT SIGN  
ELECTRICAL PANEL  
DETAIL NUMBER  
NOTE OR DETAIL SYMBOL  
SHEET LOCATION

**ELECTRICAL ABBREVIATIONS**

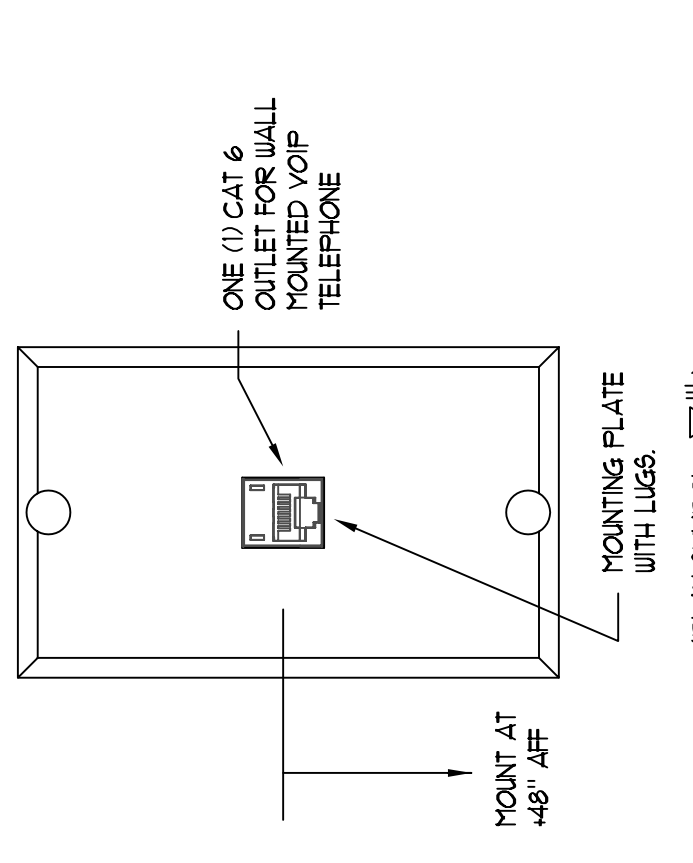
- IR ABOVE FINISHED FLOOR  
U ABOVE FINISHED GRADE  
MAN BELOW FINISH GRADE  
MNG BELOW OVERLOAD  
MCA CONDUIT  
NIC CIRCUIT  
NL COBINATION STARTER  
D DEDICATED  
DD DOUBLE DUPLEX  
EC ELECTRICAL CONTRACTOR  
EUC ELECTRICAL WATER COOLER  
EUL EXISTING TO BE REMOVED (NEW LOCATION)  
EUL EXISTING TO BE REMAIN (OLD LOCATION)  
EUL EXISTING TO BE REPAIR  
SW SWITCH  
SU FIRE ALARM CONTROL PANEL  
GC GENERAL CONTRACTOR  
GFI GROUND FAULT INTERRUPTER  
HV HEATING AND VENTILATION CONTRACTOR  
IS ISOLATED GROUND  
IN ROOM  
N IN UNIT  
M MANUAL STARTER  
MNG MAIN OVERLOAD  
MCA MINIMUM CIRCUIT AMPACITY  
NIC NOT IN CONTRACT  
NL NEAR LIGHT  
NU NEAR UNIT  
PB PUSHBUTTON  
PC PLUMBING CONTRACTOR  
PU PRE-WIRED  
RY REDUCED VOLTAGE STARTER  
EUL EXISTING TO BE REMOVED (NEW LOCATION)  
EUL EXISTING TO BE REMAIN (OLD LOCATION)  
SW SPEED SWITCH  
SU SWITCH  
GC GENERAL CONTRACTOR  
GFI GROUND FAULT INTERRUPTER  
HV HEATING AND VENTILATION CONTRACTOR  
IS ISOLATED GROUND

**MOTOR WIRING SCHEDULE**

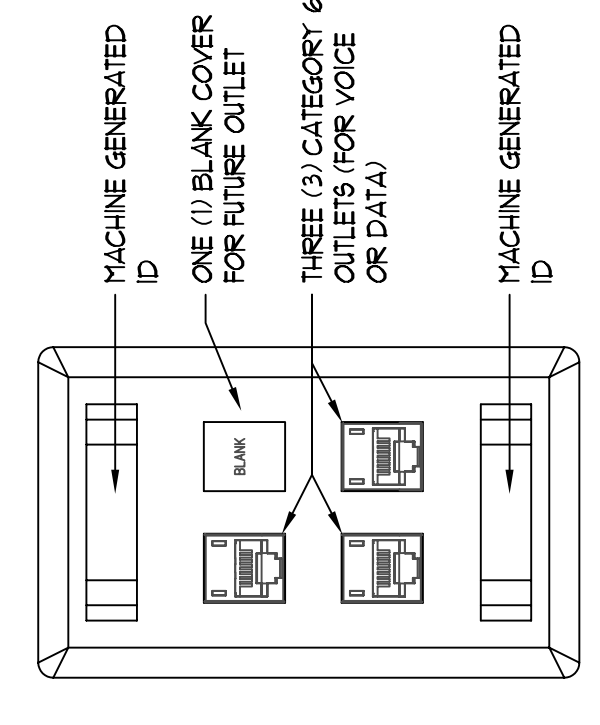
TAG	DRIVING	LOC.	HP	VOLT	FH	FH	CIRCUIT	SIZE	POLE	NO	COND.	FURN.	INST.	WIRED	LOC.	TYPE	DISCONNECT	SEE NOTE	
AH-1	AIR HANDLING UNIT #	MECH RM	30	480	3	HP3	135	80	3	4	1 1/4"	HV	HV	EC	HV	EC	HV	EC	1,3
RF-1	RETURN FAN #	MECH RM	15	480	3	HP3	246	40	3	3	8 1/4"	HV	HV	EC	HV	EC	HV	EC	2,3
EF-1	EXHAUST FAN - EF-1	RM 311	21 W	120	1	LP3/1	9	20	1	3	12"	-	-	-	U	BOL	EC	EC	1,4
EX-4	EXISTING AIR HANDLING UNIT - 4TH FLOOR	MECH RM	40	480	3	HP3	135/1	30	3	3	1 1/4"	EX	EX	EX	EX	EX	EX	EX	1,4

ABBREVIATIONS:  
HVC = HVAC CONTRACTOR  
U = IN UNIT  
MCA = MINIMUM CIRCUIT AMPERS  
MFR = MANUFACTURER  
MNS = MANUAL STARTER  
MAG = MAGNETIC STARTER  
MCC = MECHANICAL CONTRACTOR  
EVC = ELEVATOR CONTROL PANEL  
EV = ELEVATOR CONTRACTOR  
FD = FUSIBLE DISCONNECT

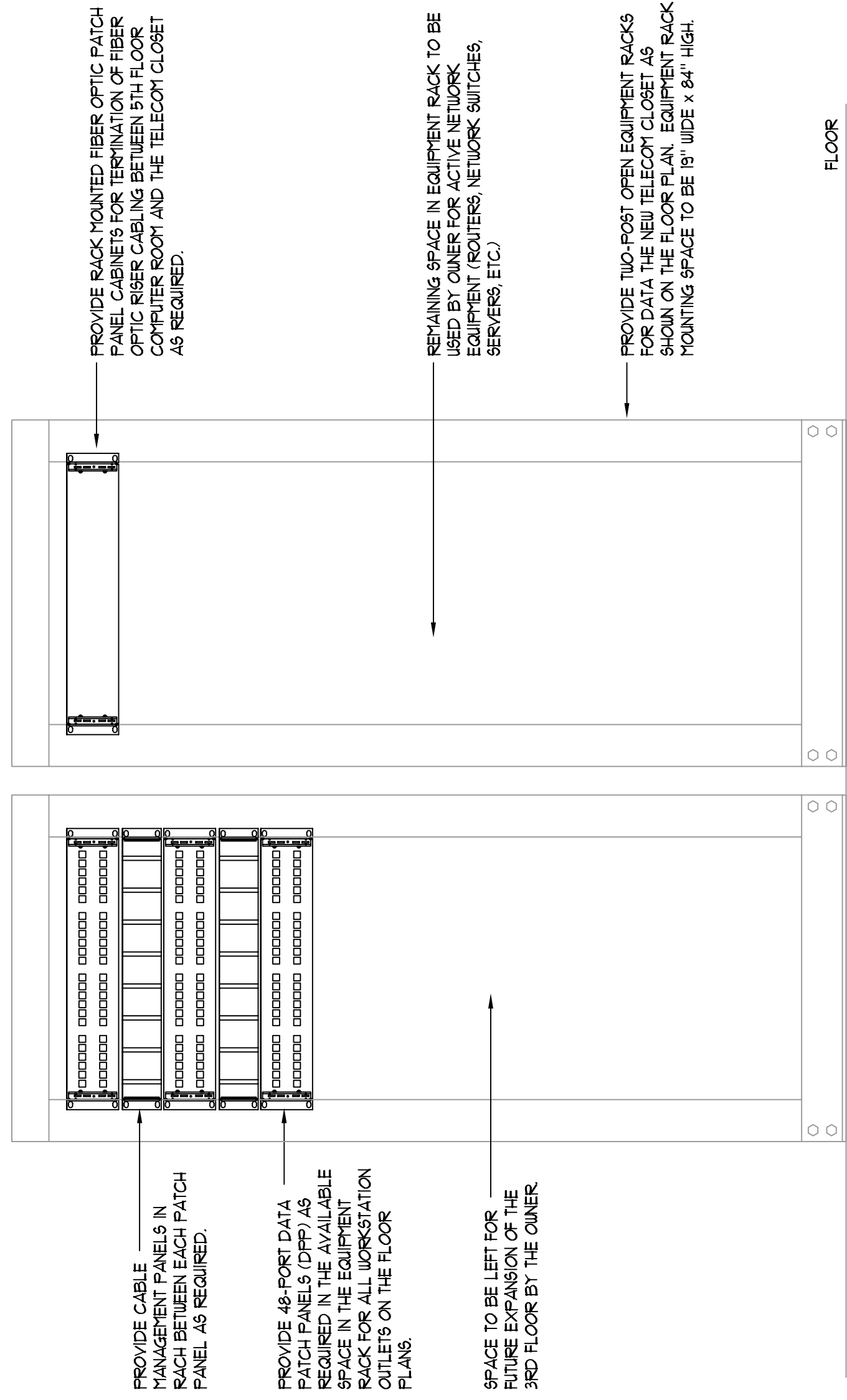
- NOTES:  
1) PROVIDE A 10 AWG GREEN GROUNDING EQUIPMENT CONDUCTOR IN ADDITION TO THE BRANCH WIRING INDICATED IN THE SCHEDULE.  
2) PROVIDE A 10 AWG GREEN GROUNDING EQUIPMENT CONDUCTOR IN ADDITION TO THE BRANCH WIRING INDICATED IN THE SCHEDULE.  
3) HVAC CONTRACTOR SHALL FURNISH AND INSTALL A VARIABLE FREQUENCY DRIVE (VFD) WITH INTEGRAL DISCONNECT SWITCH FOR MOTOR AS INDICATED. ELECTRICAL CONTRACTOR TO WIRE THE VFD AS REQUIRED.  
4) PROVIDE FEEDER BACK TO THE EXISTING MAGNETIC MOTOR STARTER IN THE 4TH FLOOR MECHANICAL ROOM TO RE-FEED THE EXISTING AIR HANDLING UNIT SERVING THE 4TH FLOOR.



**WALL PHONE OUTLET DETAIL**  
SCALE: NONE



**TYPICAL WORKSTATION DATA OUTLET DETAIL**  
SCALE: NONE

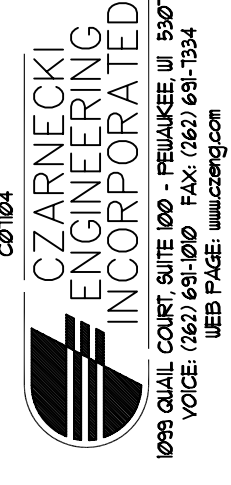


**OPEN EQUIPMENT RACK ELEVATION - NEW TELECOM CLOSEI**  
NO SCALE



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ISSUED

PANEL LP3/3 2007/100 VOLT, THREE PHASE FOUR WIRE LOCATION: CENTER ELECTRICAL ROOM. Table with columns for mounting type, surface, load description, load type, wattage, and circuit breaker details.

EXISTING PANEL LP3/2 (ALSO KNOWN AS PANEL 'A') LOCATION: SOUTHEAST ELECTRICAL ROOM. Table with columns for mounting type, surface, load description, load type, wattage, and circuit breaker details.

PANEL LP3/1 2007/100 VOLT, THREE PHASE FOUR WIRE LOCATION: NORTHEAST ELECTRICAL ROOM. Table with columns for mounting type, surface, load description, load type, wattage, and circuit breaker details.

PANEL LP3 480 VOLT, THREE PHASE FOUR WIRE LOCATION: 3RD FLOOR MECHANICAL ROOM. Table with columns for mounting type, surface, load description, load type, wattage, and circuit breaker details.

PANEL LP3 480 VOLT, THREE PHASE FOUR WIRE LOCATION: 3RD FLOOR MECHANICAL ROOM. Table with columns for mounting type, surface, load description, load type, wattage, and circuit breaker details.

PANEL 3/1X 2007/100 VOLT, THREE PHASE FOUR WIRE LOCATION: CENTER ELECTRICAL ROOM. Table with columns for mounting type, surface, load description, load type, wattage, and circuit breaker details.

NOTES:  
1) EXISTING PANELBOARD TO REMAIN AS IS. SQUARE D TYPE NQSB PANEL.

NOTES:  
1) EXISTING PANELBOARD TO REMAIN AS IS. WESTINGHOUSE PANEL TYPE 'TR'.  
2) PANELBOARD IS ALSO KNOWN AS PANEL 'A' ON EXISTING NAMEPLATE AND CIRCUIT DIRECTORIES.

NOTES:  
1) NEW PANELBOARD TO REPLACE EXISTING PANEL. REMOVED DURING DEPILOUTION.  
2) PROVIDE SQUARE D TYPE NF ONLY.

NOTES:  
1) PANELBOARD REEDS THE EXISTING EMERGENCY LIGHTING EXIT SIGNAGE ON THE 3RD FLOOR.  
2) PANELBOARD TO REMAIN AS IS. SQUARE D TYPE NQSB PANEL.

PROJECT  
TENANT IMPROVEMENTS  
THIRD FLOOR  
CITY-COUNTY BUILDING  
210 MARTIN LUTHER KING,  
JR., BLVD., MADISON, WI

DRAWING  
ELECTRICAL  
PANELBOARD  
SCHEDULES  
DATE  
03.10.08

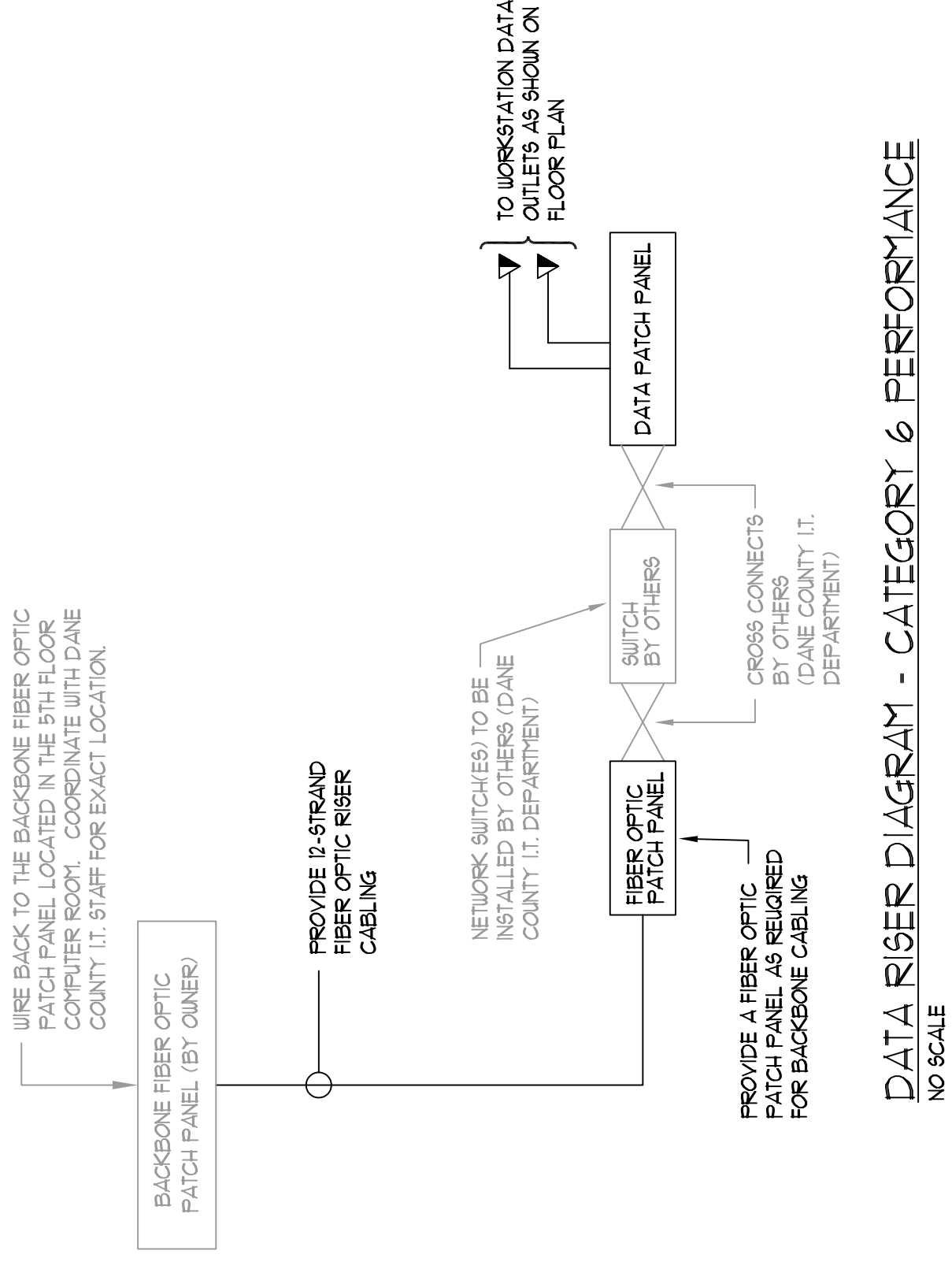
E3.1

**ONE LINE DIAGRAM NOTES:**

1. ALL EQUIPMENT INDICATED WITH DARK SOLID LINES IS NEW TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR AS PART OF THIS PROJECT.
2. ALL EQUIPMENT INDICATED WITH LIGHT SOLID LINES IS EXISTING EQUIPMENT TO REMAIN WITH NO MODIFICATIONS AS PART OF THIS PROJECT.
3. --- ALL EQUIPMENT INDICATED WITH DARK DASHED LINES IS EQUIPMENT TO BE REMOVED DURING DEMOLITION BY THE ELECTRICAL CONTRACTOR AS PART OF THIS PROJECT.

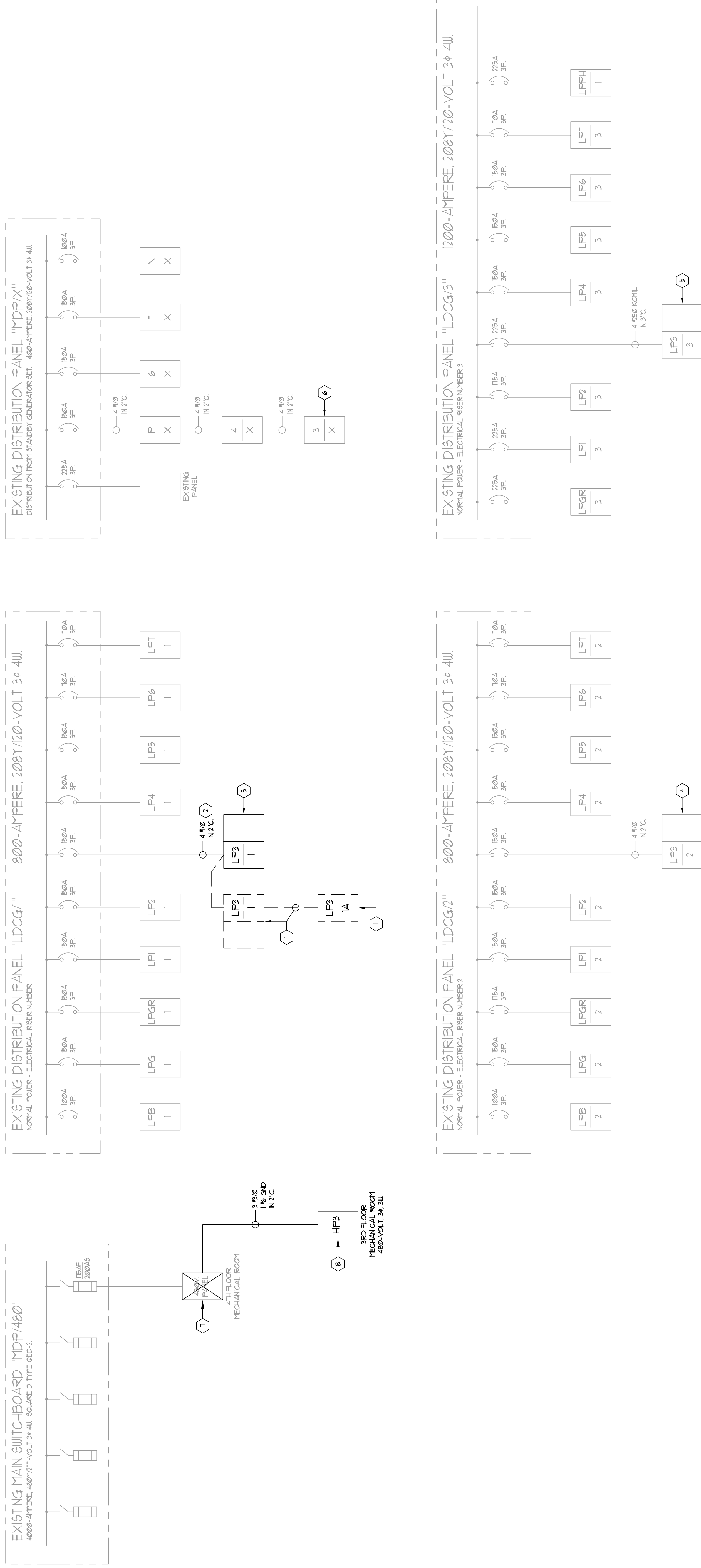
**RISER DIAGRAM KEYED NOTES:**

1. EXISTING PANELBOARDS TO BE REMOVED COMPLETELY, DISCONNECT PANEL TO ALLOW CONNECTION TO NEW PANEL AS SHOWN (SEE KEYED NOTE #2).
2. EXISTING FEEDERS TO REMAIN. CONNECT TO NEW PANELBOARD AS INDICATED.
3. PROVIDE NEW PANELBOARD AS SHOWN TO REPLACE THE EXISTING PANEL IN THE SAME LOCATION.
4. THIS PANELBOARD IS ALSO KNOWN AS "PANEL A1" ON NAMEPLATE AND PANEL DIRECTORY. EXISTING PANELBOARD TO REMAIN AS IS. UESTINGHOUSE (OUTLET-HAMPTER) TYPE "PRL1" PANELBOARD. 1932 INSTALLATION.
5. PANELBOARD TO REMAIN AS IS. SQUARE D TYPE NQ008 PANELBOARD.
6. PANELBOARD FEEDS EMERGENCY LIGHTING LOADS ON THE 3RD FLOOR PANELBOARD TO REMAIN AS IS. SQUARE D TYPE NQ008 PANELBOARD.
7. EXISTING BACKBOX FOR PANEL BOARD ON 4TH FLOOR TO BE CONVERTED TO A JUNCTION BOX. ALL CIRCUITS AND MAIN FEEDER TO BE EXTENDED DOWN TO THE MECHANICAL ROOM ON THE 3RD FLOOR DIRECTLY BELOW. THERE IS NOT ENOUGH PHYSICAL SPACE IN THE EXISTING PANELBOARD TO SERVE THE QUANTITY OF MOTORS REQUIRED.
8. PROVIDE A NEW ELECTRICAL PANELBOARD AS INDICATED FOR THE MECHANICAL LOADS ON THE 3RD AND 4TH FLOORS.



**DATA RISER DIAGRAM - CATEGORY 6 PERFORMANCE**

NO SCALE



**ELECTRICAL PARTIAL ONE LINE RISER DIAGRAM**

NO SCALE