

Department of Public Works

### **Engineering Division**

Robert F. Phillips, P.E., City Engineer

City-County Building, Room 115 210 Martin Luther King, Jr. Boulevard Madison, Wisconsin 53703 Phone: (608) 266-4751 Fax: (608) 264-9275

engineering@cityofmadison.com www.cityofmadison.com/engineering Assistant City Engineer

Michael R. Dailey, P.E.

Principal Engineer 2 Gregory T. Fries, P.E. Christopher J. Petykowski, P.E.

Principal Engineer 1

Christina M. Bachmann, P.E. Eric L. Dundee, P.E. John S. Fahrney, P.E.

Facilities & Sustainability

Jeanne E. Hoffman, Manager

Operations Manager Kathleen M. Cryan

Mapping Section Manager Eric T. Pederson, P.S.

Financial Manager

Steven B. Danner-Rivers

June 14, 2017

### NOTICE OF ADDENDUM ADDENDUM NO. 2

# CONTRACT NO. 7726 POLICE DEPARTMENT MIDTOWN DISTRICT CITY OF MADISON WISCONSIN

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

#### **CIVIL:**

#### **SPECIFICATION ITEMS**

None

#### **DRAWING ITEMS**

Clarification to Drawings C200, C400, E200: Clarification that the primary electrical service is not in contract. The electrical easement and primary electrical service is furnished and installed separately by Madison Gas & Electric (MGE). Coordinate the electrical easement location and the primary electrical service installation timeline with MGE.

**Drawing C200:** Change "Proposed Electrical Utility" noted from addendum #1 to read: "**PRIMARY ELECTRICAL SERVICE NOT IN CONTRACT FURNISHED & INSTALLED BY MG&E".** 

**Drawing C400:** Change "Proposed Electrical Utility" noted from addendum #1 to read: "**PRIMARY ELECTRICAL SERVICE NOT IN CONTRACT FURNISHED & INSTALLED BY MG&E".** 

#### **ARCHITECTURAL:**

#### **SPECIFICATION ITEMS**

 Specification Section 044313: Revise page 3 line 28. Kasota Cream Blend.
 Biesanz Stone Compancy; Levee Ledge "light".
 Halquist Stone; Beaver Creek.

2. Specification Section 123623.13: Revise page 3 line 18. Edge Treatment: 1mm PVC edging to match laminate in color, pattern, and finish.

#### **DRAWING ITEMS**

**Drawing A810:** Reference to plywood for shelving and dividers in multiple details have been removed. Reference to treated wood blocking in Detail 4 has been removed. Additional trim piece between doors in detail 6 has been removed. Refer to attached drawing.

**Drawing A811:** Reference to plywood for shelving and dividers in multiple details have been removed. Plastic laminate support bracket in details 2 & 3 have been changed to be inside wall mount counter support bracket. Refer to attached drawing.

#### **MECHANICAL:**

#### **SPECIFICATION ITEMS**

None

#### **DRAWING ITEMS**

**Drawing M101**: Revise diffuser tags. Refer to attached drawing for details.

**Drawing M601:** Revise diffuser schedule. Refer to attached drawing for details.

### **Attached Drawings (full size):**

A810

A811

M101

M601

P102 (Drawing issued for information contained in Addendum #1)

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

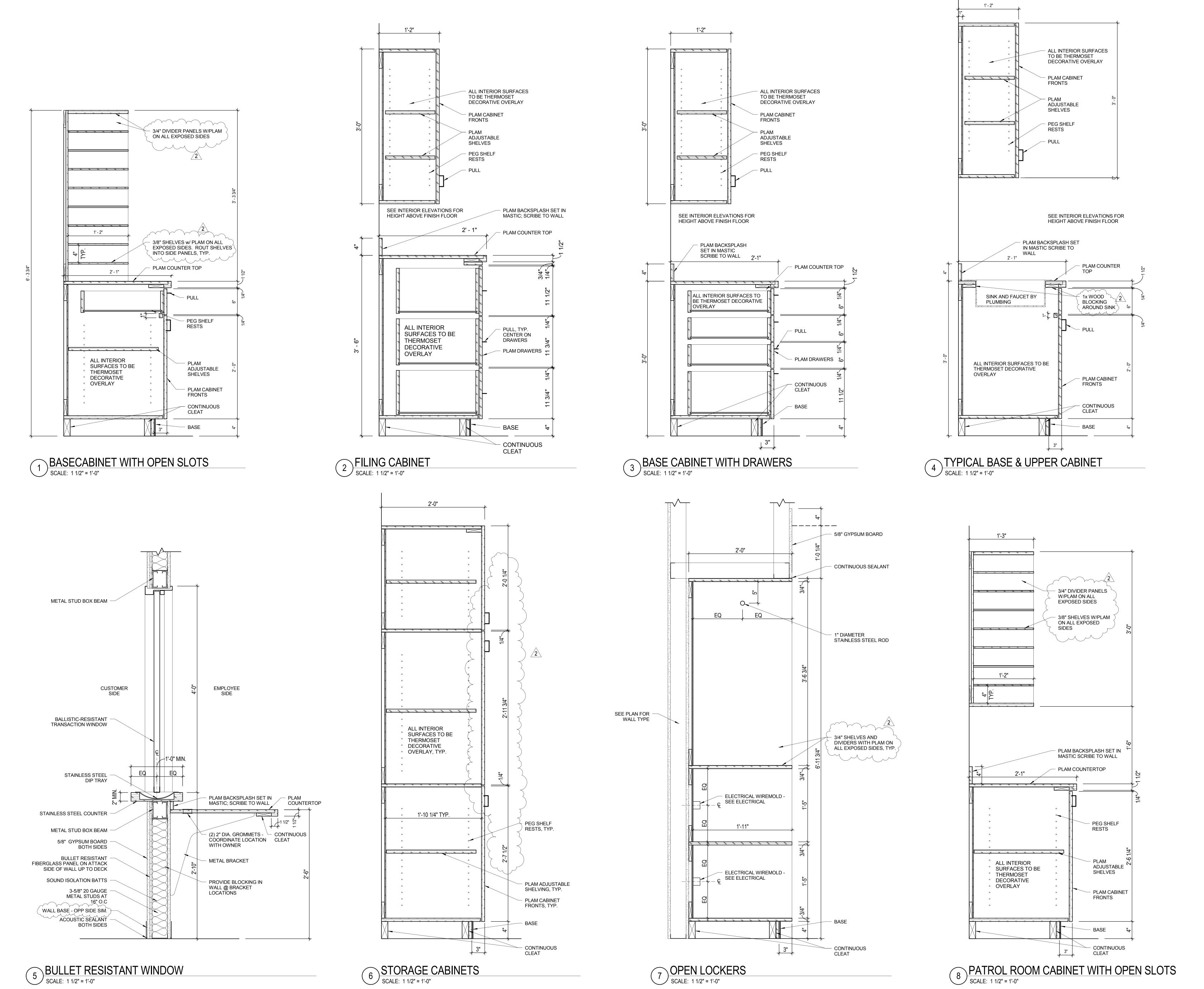
Electronic version of these documents can be found on the Bid Express web site at:

#### http://www.bidexpress.com

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

Sincerely,

Robert F. Phillips, P.E., City Engineer



Engberg Anderson ARCHITECTS

MILWAUKEE | MADISON | TUSCON | CHICAGO

POLICE DEPARTMENT MIDTOWN DISTRICT

4020 Mineral Point Road, Madison, WI
City of Madison Police Department
211 South Carroll Street
Madison, WI 53703

PROJECT NUMBER 152413.01

ISSUED FOR:
CONSTRUCTION 5-5-2017

DATE

6-14-17

REVISION FOR:

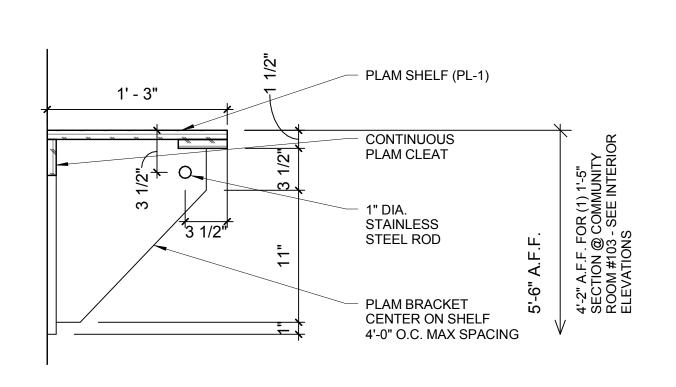
NO. DESCRIPTION

2 ADDENDUM #2

DRAWN BY MM
CHECKED BY S

CASEWORK SECTIONS

A810

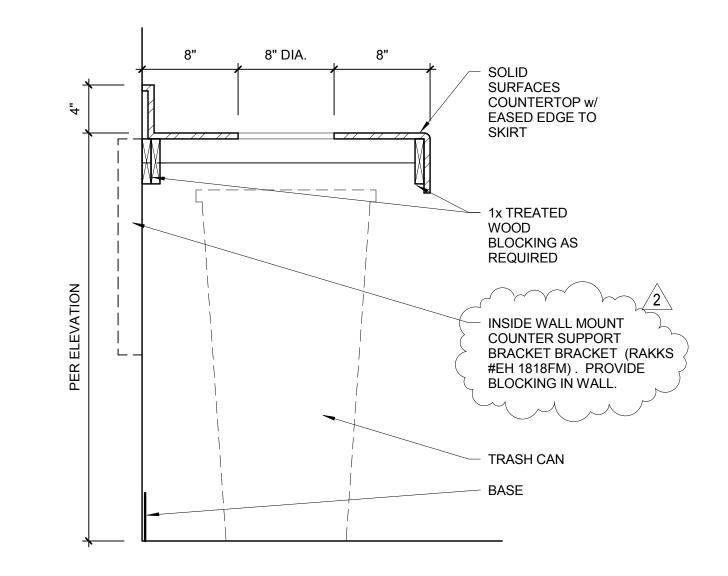


1 COAT RACK & SHELF DETAIL

SCALE: 1 1/2" = 1'-0"

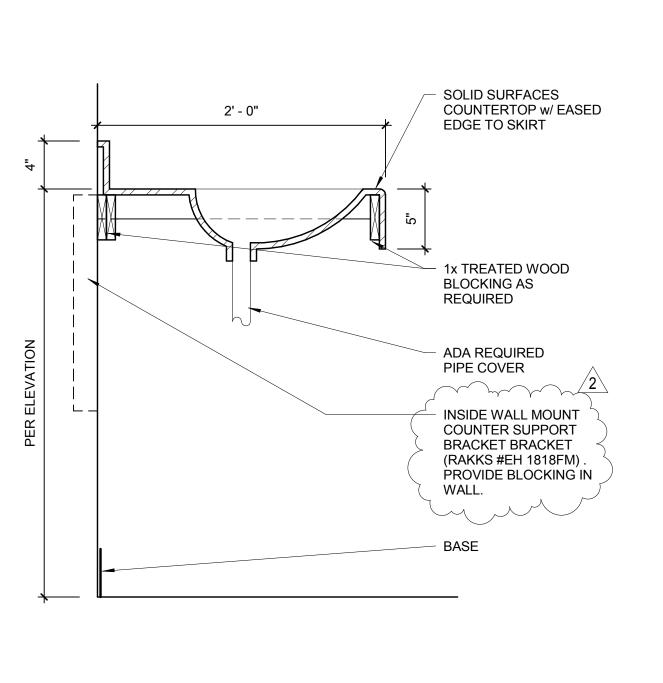
5 BASE TRASH PULLOUT

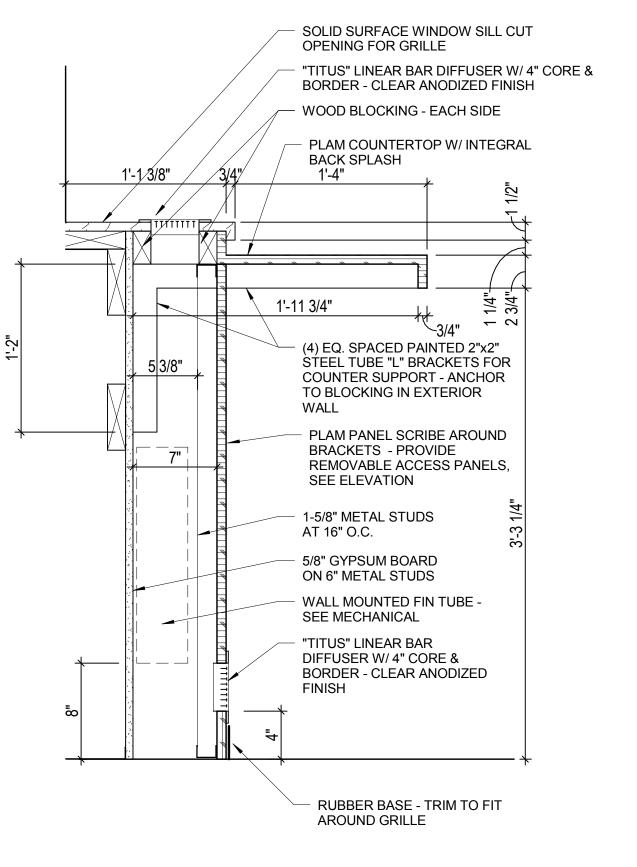
SCALE: 1 1/2" = 1'-0"



2 TRASH CHUTE DETAIL
SCALE: 1 1/2" = 1'-0"

6 TYPICAL BASE CABINET
SCALE: 1 1/2" = 1'-0"







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ARCHITECTS

152413.01

5-5-2017

DATE

6-14-17

MMZ

SK

4020 Mineral Point Road, Madison, WI City of Madison Police Department 211 South Carroll Street Madison, WI 53703

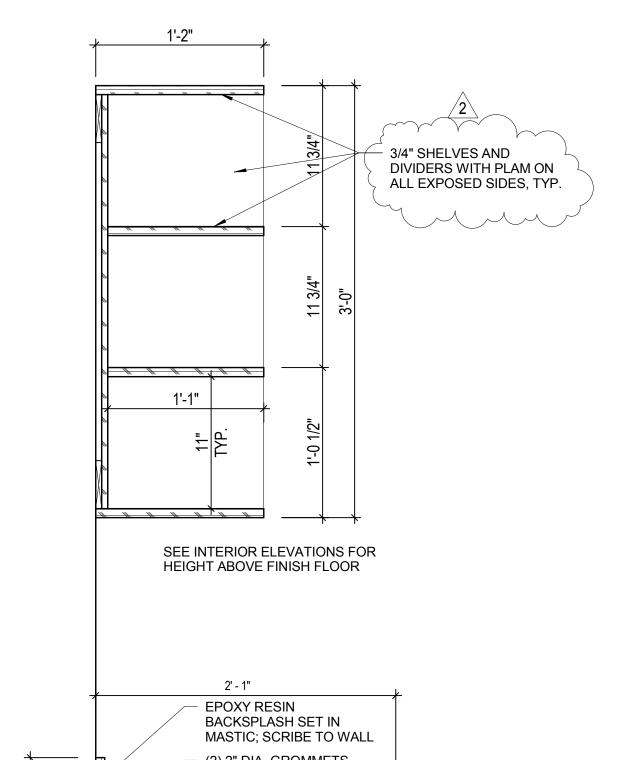
PROJECT NUMBER

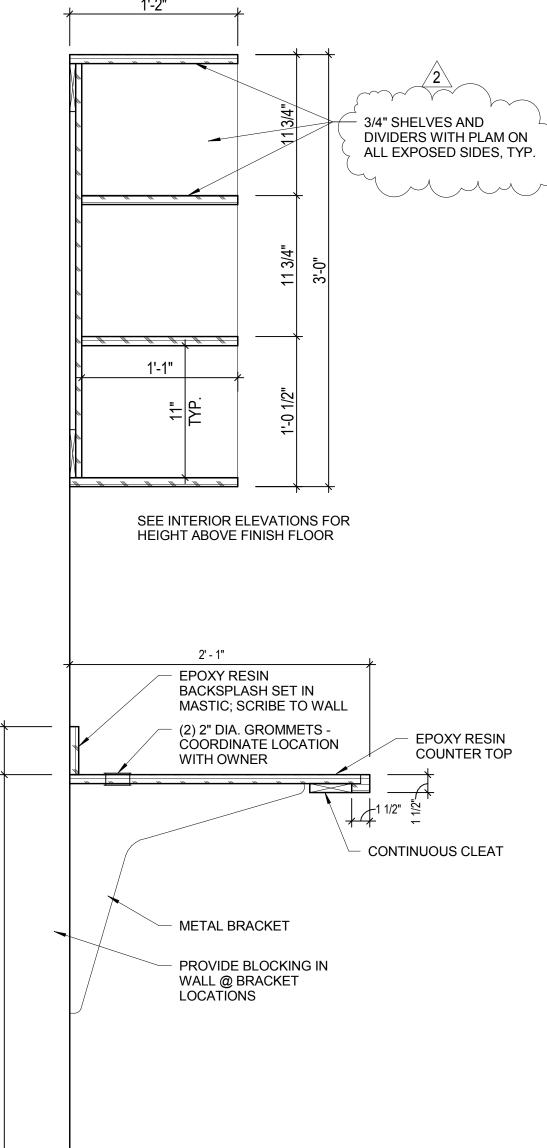
ISSUED FOR: CONSTRUCTION

**REVISION FOR:** NO. DESCRIPTION 2 ADDENDUM #2

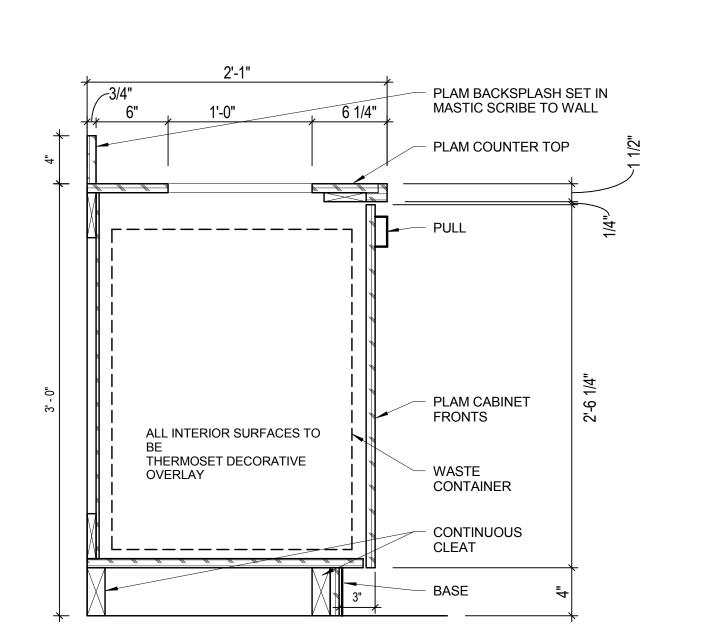
BREAKROOM COUNTER DETAIL

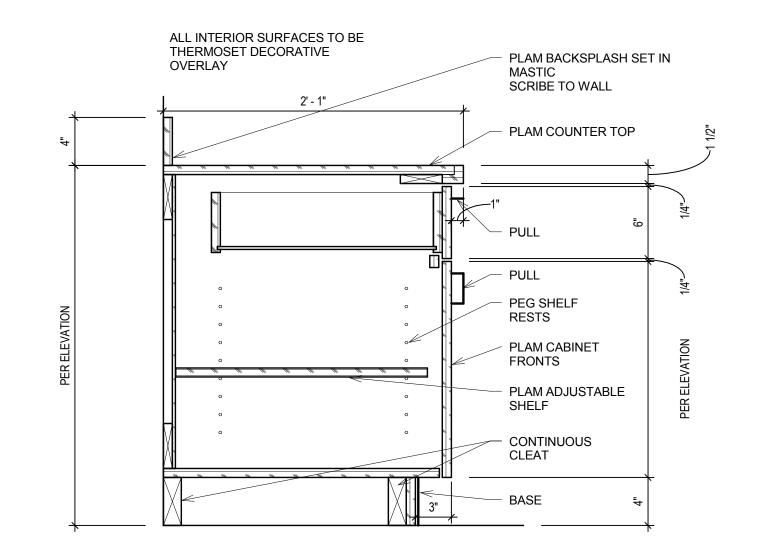
SCALE: 1 1/2" = 1'-0"

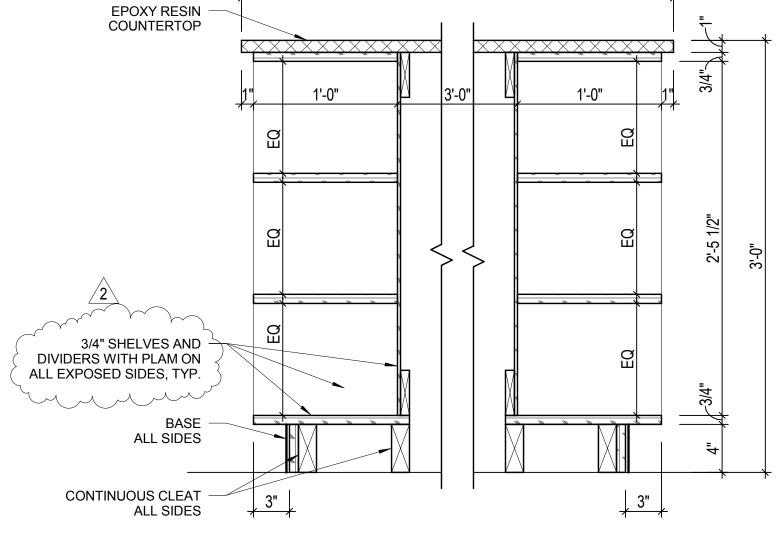


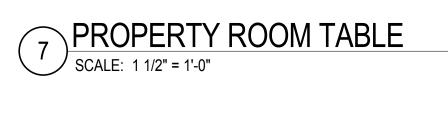


8 WORKCOUNTER CASEWORK
SCALE: 1 1/2" = 1'-0"

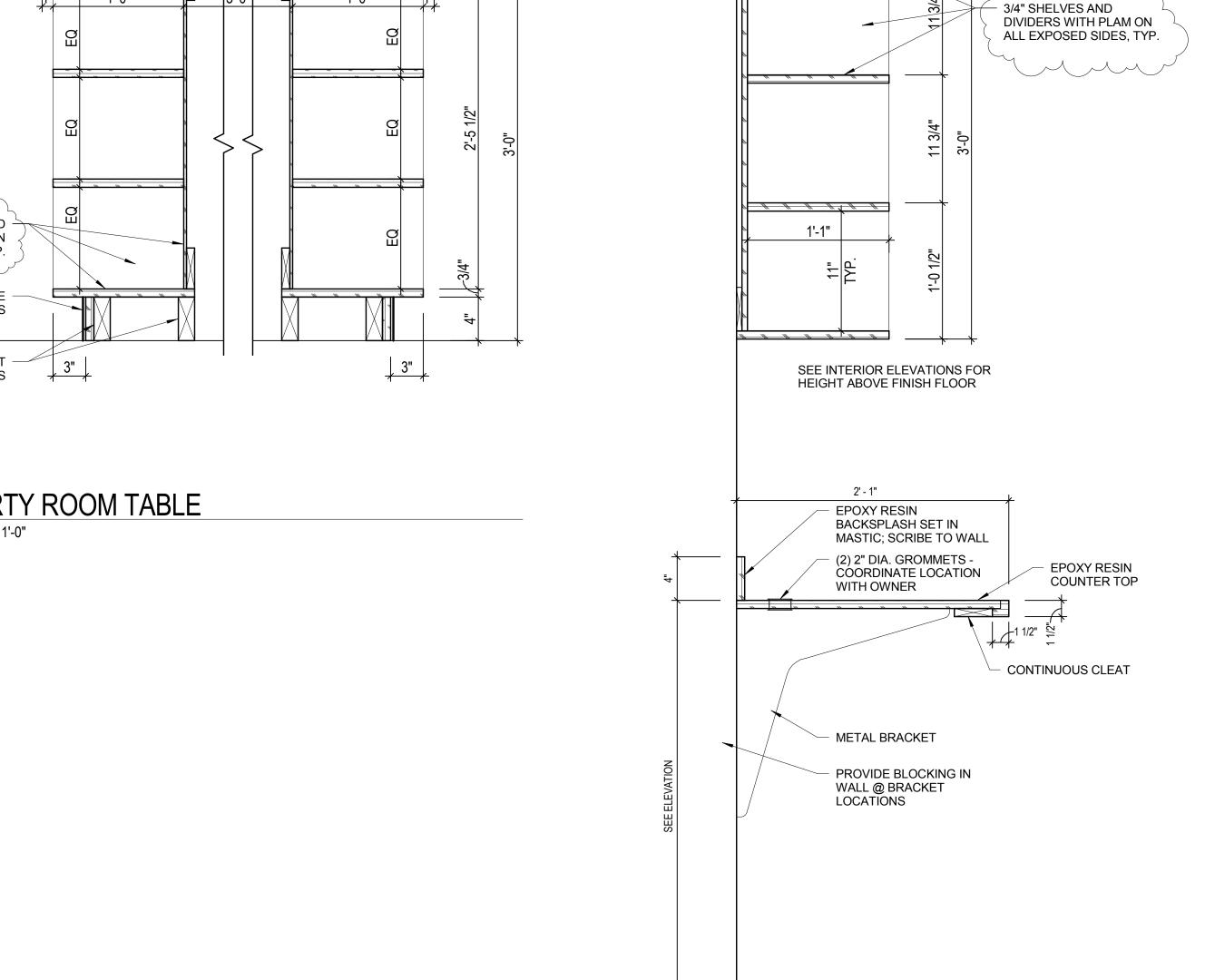








3 VANITY DETAIL
SCALE: 1 1/2" = 1'-0"



CASEWORK SECTIONS & DETAILS

DRAWN BY

CHECKED BY

KEYNOTES:

1. SEAL FLOOR PENETRATION PER 2009 IMC 607.6.3 EXCEPTION 2
TO RESIST THE PASSAGE OF FLAME AND THE PRODUCTS OF
COMBUSTIONS.

2. PROVIDE ACCESS DOOR IN DUCTWORK TO ALLOW INSPECTION
OF LOUVER.



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## POLICE DEPARTMENT MIDTOWN DISTRICT

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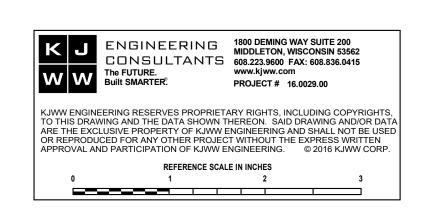
1 Addendum #2

**DATE** 6-14-17

DRAWN BY PAUHAN

CHECKED BY PAUVAN

FIRST FLOOR PLAN - VENTILATION



			AS REQUIRI RWINED TYP		HE MOTOR SP	PECIFICA	ATION 23	05 13.																																			
TAG MIN. EXT. RPM BHP MHP BY TYPE BY T					SUPPLY	FAN CH	ARACTE	RISTICS (	(NOTE 1)									EXHAU	ST FAN	CHARACTERISTIC	S							COOLING	G COIL							FIL	TER						
								DISC	ONNECT	CO	NTROLLER STARTER	R/					EXTERNAL				DIS	SCONNECT						MAX.					SUPPLY	Y AIR STRE	EAM FILTER	R	EXHAU	ST AIR STR	REAM FILTER	R			
NAME CFM CFM S.P. TYPE (NOTE D) (NOTE E) (NOTE E) (NOTE E) (NOTE A) (NOTE B) (NOTE A) (NOTE B) (NOTE A) (NOTE B) (NOTE A) (NOTE C) VOLTAGE (NOTE A) (NOTE B)	MIN	I. EXT.			RPM BH	<del>I</del> P	MHP	BY	TYPE	BY	TYP	PE					STATIC				BY	TYPE	BY (NOT	TYPE	EAT	EAT LAT LAT	TOTAI	_ A.P.D.	SAT									FACE	PRESSUR	RE DROP			
	CFN	W S.P.	TYPE	(N	OTE D) (NOT	E E) (N	IOTE E) (	(NOTE A)	(NOTE B	) (NOTE	EA) ∣ (NOTI	EC) V	VOLTAGE	PHASES	CFM	TYPE	PRESSURE	RPM BI	IP MHP	PHASE VOLTA	GE (NOTE	E A) ∣ (NOTE E	B) A)	(NOTE C	) DB °F	WB °F DB °F WB °	°F MBH	IN. W.C.	SUC °F R	REFRIGERANT	IRCUITING	CFM	TYPE	VELOCITY	DIRTY	CLEAN	TYPE	VELOCITY	DIRTY	CLEAN	MANUFACTURI	R MODEL	NOTE
ERU-1   3000   0   0.6   DIRECT DRIVE   2129   1.96   3   MC   VFD/B   460   3   2,600   DIRECT DRIVE   1.3   2055   1.83   3   3   460   MC   VFD/B   78.9   67.3   53.7   52.3   137   0.54   42.0   R-410A   2   3000   4" PLEATED   395   0.60   0.19   4" PLEATED   343	0	0.6	DIRECT DF	RIVE	2129 1.9	96	3	MC	VFD/B	MC	VFD	D/B	460	3	2,600	DIRECT DRIVE	1.3	2055 1.8	33 3	3 460	MC	VFD/B	MC	VFD/B	78.9	67.3 53.7 52.3	3 137	0.54	42.0	R-410A	2	3000 4	4" PLEATED	395	0.60	0.19	4" PLEATED	343	0.60	0.16	DAIKIN	CAH	NOTE 1

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# POLICE DEPARTMENT MIDTOWN DISTRICT

4020 Mineral Point Road, Madison, WI City of Madison Police Department 211 South Carroll Street Madison, WI 53703

PROJECT NUMBER

**ISSUED FOR:** 

CONSTRUCTION

**REVISION FOR:** 

NO. DESCRIPTION 1 Addendum #2

DATE

6-14-17

5-5-17

152413.01

**ENERGY RECOVERY WHEEL SCHEDULE** 

1.REFER TO SPECIFICATION 23 72 00 FOR REQUIREMENTS. REFER TO ENERGY RECOVERY UNIT SCHEDULE FOR ADDITIONAL UNIT REQUIREMENTS.

**OUTSIDE/SUPPLY AIR STREAM** DISCONNECT | FAT | CFM | DB °F | WB °F | DB °F | DB °F | WB °F | DB °F | WB °F | DB °F | **EFFICIENCY** AIR HANDLING UNIT TAG NAME AREA SERVED 75.10 3,000 87 75 78.9 67.3 -15 -16 42.3 31 0.9 2,600 75 62.5 84.3 72.3 70 48 3.9 2.5 91 204 115 1 MFR

AIR HANDLING SCHEDULE

1.PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION 23 05 13. 2.COOLING COIL SHALL BE INTERWINED TYPE COIL.

COOLING COIL CONTROLLER/ RPM BHP MHP BY TYPE BY TYPE OUTSIDE EAT EAT LAT LAT TOTAL A.P.D. SAT REFRIGERANT CIRCUITING CFM FACE PRESSURE DROP VELOCITY DIRTY CLEAN MANUFACTURER MODEL NOTES 2 14000 4" PLEATED 355 0.60 0.15

CONDENSING UNIT SCHEDULE

1.REFER TO SPECIFICATION SECTION 23 62 13 FOR ADDITIONAL REQUIREMENTS. 2. UNIT SHALL HAVE 4 COMPRESSORS OF WHICH 2 SHALL BE DIGITAL SCROLL TYPE FOR TURNDOWN PURPOSES. PROVIDE FACTORY INSTALLED COMPRESSOR SOUND BLANKETS FOR NOISE REDUCTION OF THE UNIT.
3. UNIT SHALL HAVE 2 DIGITAL SCROLL COMPRESSORS FOR TURNDOWN PURPOSES. PROVIDE FACTORY INSTALLED COMPRESSOR SOUND BLANKETS FOR NOISE REDUCTION OF THE UNIT.

4. UNIT SHALL INCLUDE MODULATNIG CONDENSER FAN FOR HEAD PRESSURE CONTROL.

**ELECTRICAL** CONTROLLER/ DISCONNECT TAG AREA NOMINAL SATURATED AMBIENT AMBIENT NUMBER OF NUM 95.0 45.0 2 2 460 3 26.0 28 35 EC -MFR CU-2 AHU-1 46 R-410A 42.3 95.0 45.0 4 2 4 460 3 89.0 93 110 EC -

MAKE-UP AIR UNIT SCHEDULE

1. PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION 23 05 13.

MAX. DIMENSIONS CONTROLLER/ STARTER TAG NAME AREA SERVED LENGTH WIDTH HEIGHT CFM FAN TYPE (NOTE D) IN. W.C. FAN TYPE (NOTE D) IN. W.C. AFUE OUTPUT EAT °F LAT °F (NOTE E) (NOTE E) VOLTAGE PHASES (NOTE A) (NOTE B) (NOTE A) (NOTE C) FUEL TYPE (IN. W.C.) MANUFACTURER MODEL NOTES MAU-1 PARKING GARAGE 109 44 45 5300 PLENUM 1697 1 92 429 -15.0 60.0 3.07 5 460 3 MFR VFD MFR VFD NG 8 GREENHECK DGX-P120-H22 MAU-2 SALLYPORT 85 34 39 1100 PLENUM 1444 0.4 92 89 -15.0 60.0 0.31 1 460 3 MFR VFD MFR VFD NG 8 GREENHECK DGX-P114-H12

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UI	LEK	SCHE	DULE	. <b>-</b> HU	'I VV <i>F</i>	4 I EK

		MAX	. DIMENSI	ONS										ELECTRICAL							1
						INLET FUEL		BOILER								DISCO	NNECT	CONTROLLER/ STARTER			
	TAG				'	PRESSURE			INPUT	EWT	LWT	OPERATING				BY	TYPE				1
N	IAME	LENGTH	WIDTH	HEIGHT	FUEL	(IN. W.C.)	RATIO	FLOW (GPM)	BTUH/HR	°F	°F	PRESSURE PSI	MOCP	VOLTAGE	PHASES	(NOTE A)	(NOTE B)	BY (NOTE A)	MANUFACTURER	MODEL	NOTES
	B-1	35	28	78	NG	8	15:1	18	750000	110	140	160	20	115	1	MFR	F	MFR	LOCHINVAR	CREST 750	
	B-2	35	28	78	NG	8	15:1	18	750000	110	140	160	20	115	1	MFR	F	MFR	LOCHINVAR	CREST 750	

												ELEC	TRICAL						
								W.P.D.					DISCO	NNECT	CONTROLLER/ STARTER				
TAG NAME	AREA SERVED	CONFIGURATION	CFM	МВН	GPM	ewt °F	LWT °F	FT. HEAD	НР	RPM	VOLTAGE	PHASES	BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	CONTROL	MANUFACTURER	MODEL	NOTES
UH-1	PARKING GARAGE	HORIZONTAL	2200	76	5.0	140	110	2.0	0.33	1140	115	1	MFR	NF	MC	2/M300	TRANE	UHS	
UH-2	PARKING GARAGE	HORIZONTAL	2200	76	5.0	140	110	2.0	0.30	1140	115	1	MFR	NF	MC	2/M300	TRANE	UHS	
UH-3	PARKING GARAGE	HORIZONTAL	2200	76	5.0	140	110	2.0	0.30	1140	115	1	MFR	NF	MC	2/M300	TRANE	UHS	
UH-4	SALLYPORT	HORIZONTAL	2200	76	5.0	140	110	2.0	0.30	1140	115	1	MFR	NF	MC	2/M300	TRANE	UHS	
UH-5	SALLYPORT	HORIZONTAL	2200	76	5.0	140	110	2.0	0.30	1140	115	1	MFR	NF	MC	2/M300	TRANE	UHS	
UH-6	MECHANICAL ROOM`	HORIZONTAL	700	16	2.6	140	110	0.1	0.05	900	115	1	MFR	NF	MC	2/M300	TRANE	S-60	

MOTOR OPERATED DAMPER SCHEDULE
--------------------------------

		SI	ZE	CF	М							POSITIVE	
TAG NAME	AREA SERVED	WIDTH	HEIGHT	MAX.	MIN.	BLADE CONFIGURATION	BLADE ORIENTATION	INSULATED	ACTUATOR TYPE (NOTE 1)	ACTUATOR STYLE	POWER FAILURE POSITION	POSITION FEEDBACK REQUIRED	NOTES
MOD-1	AHU-1 OUTSIDE AIR	54	30	15000	0	OPPOSED	HORIZONTAL	Yes	ELECTRIC	PROPORTIONAL	NORMALLY CLOSED (NC)	Yes	
MOD-2	ERU-1 OUTSIDE AIR	38	12	3000	0	OPPOSED	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	Yes	
MOD-3	AHU-1 RETURN	54	28	12000	0	PARALLEL	HORIZONTAL	No	ELECTRIC	PROPORTIONAL	NORMALLY OPEN (NO)	Yes	
MOD-4	AHU-1 RELIEF	20	20	3000	0	OPPOSED	HORIZONTAL	Yes	ELECTRIC	PROPORTIONAL	NORMALLY CLOSED (NC)	Yes	
MOD-5	RELIEF AIR	54	30	15000	0	PARALLEL	HORIZONTAL	Yes	ELECTRIC	PROPORTIONAL	NORMALLY CLOSED (NC)	Yes	
MOD-6	MAU-2	20	20	1600	0	OPPOSED	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	Yes	
MOD-7	EF-3	12	12	290	0	OPPOSED	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	Yes	
MOD-8	EF-4	20	20	1100	0	OPPOSED	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	Yes	
MOD-9	EF-1	12	12	380	0	OPPOSED	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	Yes	
MOD-10	EF-2	20	20	5100	0	OPPOSED	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	Yes	
MOD-11	MAU-1	36	18	5300	0	OPPOSED	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	Yes	
MOD-12	ERU-1	18	24	3000	0	OPPOSED	HORIZONTAL	No	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	Yes	

### LOUVER SCHEDULE

1.LOUVER PROVIDED BY GENERAL CONTRACTOR AND SPECIFIED UNDER ARCHITECTURAL SPECIFICATIONS. PERFORMANCE AND SIZING INFORMATION PROVIDED FOR REFERENCE ONLY.

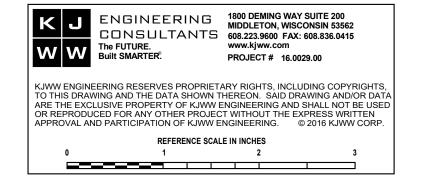
TAG			SIZE (I	NCHES)	FREE AREA		
NAME	AREA SERVED	CFM	WIDTH	HEIGHT	VELOCITY	S.P. IN. W.C.	NOTES
EAL-1	AHU-1	15000	90	60	710	0.10	NOTE 1
EAL-2	PARKING GARAGE	5880	48	42	805	0.13	NOTE 1
EAL-3	SALLYPORT	1700	42	24	485	0.05	NOTE 1
OAL-1	MAU-1	5300	36	60	690	0.10	NOTE 1
OAL-2	AHU-1	12000	144	36	645	0.10	NOTE 1
OAL-3	ERU-1	3000	48	24	730	0.12	NOTE 1
OAL-4	MAU-2	1600	30	24	655	0.10	NOTE 1

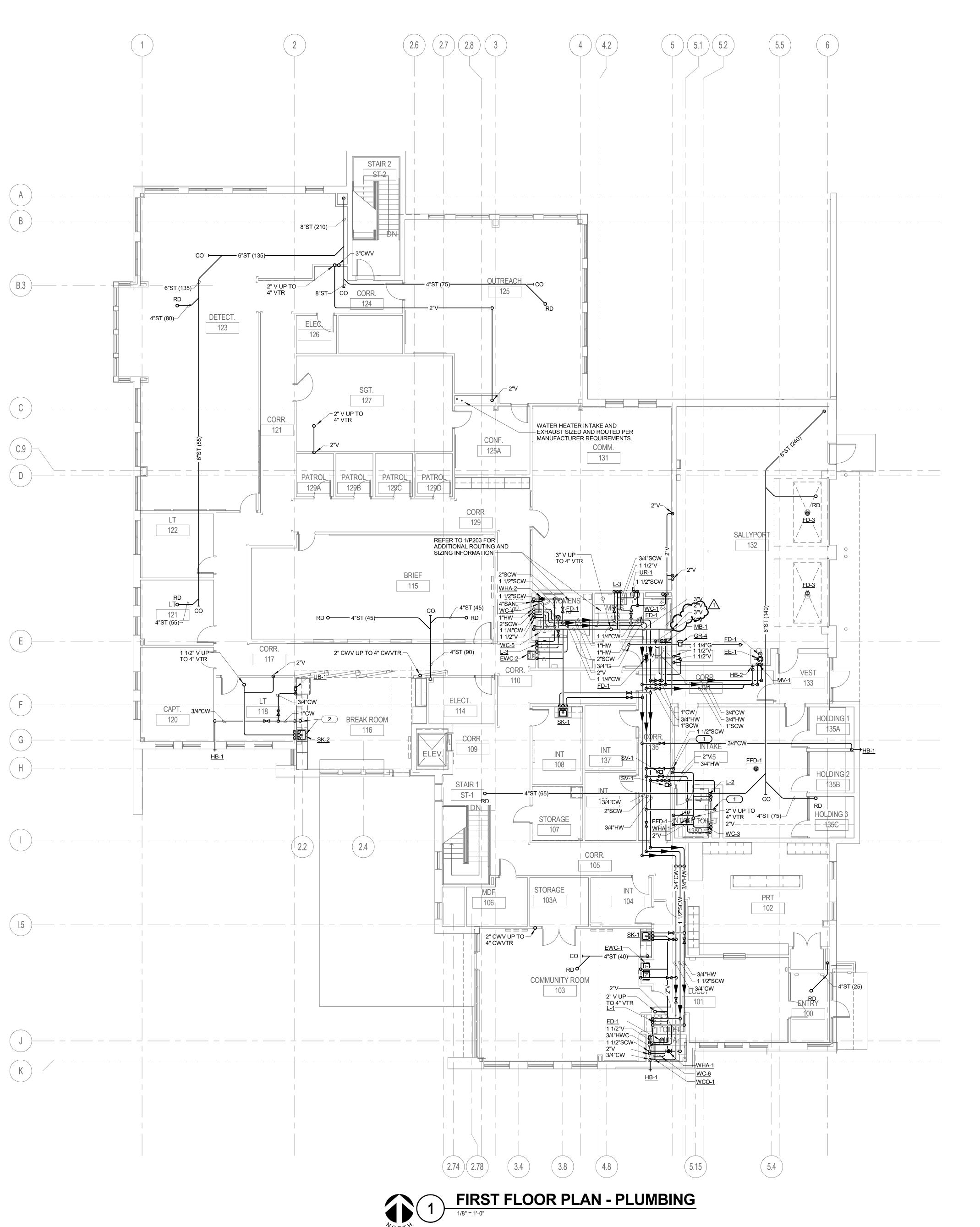
NOTES: 1.CONTRAC 2.ALL RUN C 3.ALL ALUMI 4.MAXIMUM	TOR SHALL DE DUT DUCTWOR INUM CONSTRU SECURITY, SUI	TERMINE PROPER MARGI K TO DIFFUSERS SHALL B JCTION FOR MRI USE. NO CIDE DETERRENT GRILLE FOR SUICIDE PREVENTIO	N STYLE TO SE NECK SIZE N FERROUS , ALL WELDE	MATCH CEILIN E UNLESS OTHE FASTENERS AI D CONSTRUCT	G CONSTRUCT ERWISE NOTEI RE REQUIRED. ION, 3/16" THIC	ION. ). K STEEL FACE V			AGGERED (	CENTERS AND SHALL APPLY WITH NATIONAL INSTITUTE OF
TAG NAME	MATERIAL	CONFIGURATION	MARGIN (NOTE 1)	INLET SIZE (IN.) (NOTE 2)	FACE SIZE	VOLUME DAMPER REQUIRED	FINISH	MANUFACTURER	MODEL	NOTES
EG-1	STEEL	PERFORATED FACE	1"	SEE DWG.	INLET +2	1 NO	WHITE	TITUS	SG-SD	PERFORATED SECURITY GRILLE. NOTE 4.
EG-2	STEEL	PERFORATED FACE	LAY-IN	SEE DWG.	24x24	NO	WHITE	TITUS	PAR	
EG-3	STEEL	35 DEGREE DEFLECTION	1 1/4"	SEE DWG.	INLET +2	NO	WHITE	TITUS	350R	
EG-4	ALUMINUM	PERFORATED FACE	LAY-IN	SEE DWG.	24x24	NO	WHITE	TITUS	PAR	
EG-5	ALUMINUM	35 DEGREE DEFLECTION	1 1/4"	SEE DWG.	INLET +2	NO	WHITE	TITUS	350R	
RG-1	STEEL	PERFORATED FACE	LAY-IN	SEE DWG.	24x24	NO	WHITE	TITUS	PAR	DUCTED RETURN
RG-2	STEEL	35 DEGREE DEFLECTION	1 1/4"	SEE DWG.	INLET +2	NO	WHITE	TITUS	350R	
RG-3	STAFEL	PERFORMED FACE	LAY-IN	DWG.	24x <b>y</b> 4	YNO	WHATE	TITUS	PXP	PACE ONLY - NON DICTED
RG-4	STĘEL	PERFORATED FACE	<u>.</u> 1"	SEE DWG.	INLET +2	NO	WHITE	TITUS	SG-SD	PERFORATED SECURITY GRILLE. NOTE 4.
SD4	STAEL	LOWERFACE	) LAN IN	SEE DING!	<u> </u>	NON	WHATE		TMS	STAMPED OUVER PROPERCY MINIMUM OF TWO
SG-1	STEEL	PERFORATED FACE	1"	SEE DWG.	INLET +2	NO	WHITE	TITUS	SG-SD	PERFORATED SECURITY GRILLE. NOTE 4.
SG-2	STEEL	DOUBLE DEFLECTION	1 1/4"	SEE DWG.	INLET +2	NO	WHITE	TITUS	300R	FRONT BLADES VERTICAL UNLESS NOTED OTHERWISE

TG-1 STEEL PERFORATED FACE LAY-IN SEE DWG. 24x24 NO WHITE TG-2 ALUMINUM PERFORATED FACE LAY-IN SEE DWG. 24x24 NO WHITE

DRAWN BY PAUHAN CHECKED BY PAUVAN

SCHEDULES -**MECHANICAL** 





KEYNOTES: #

1. LOCATE RECESSED REMOTE FLUSHING VALVE WITHIN WALL AND ROUTE SCW TO FLUSHING FLOOR DRAIN. FLUSH VALVE CONTROL SHALL BE LOCATED ON INTAKE SIDE OF WALL SO NOT ACCESSIBLE FROM TOILET ROOM.

2. PIPING SHALL OFFSET AROUND STRUCTURAL BEAM ON FLOOR BELOW AND ROUTE THROUGH CABINET TOEKICK TO GET INTO WALL.



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FIRST FLOOR PLAN -PLUMBING

