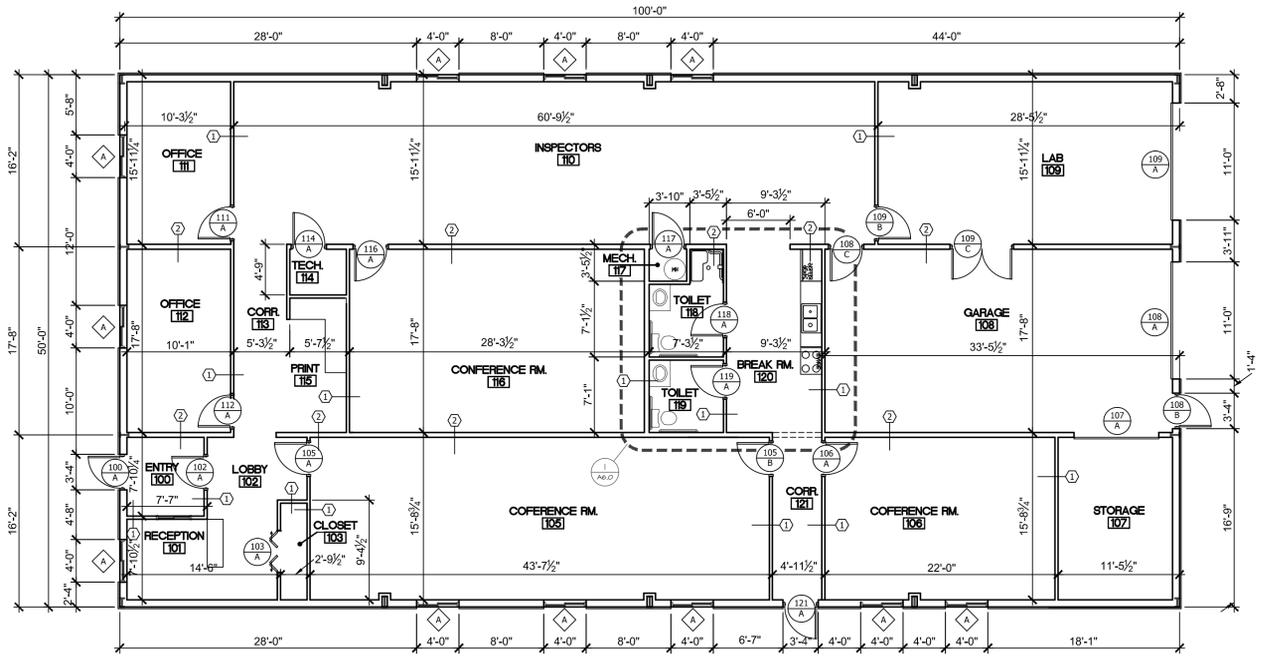


**2 ROOF PLAN**  
SCALE: 1/8" = 1'-0"



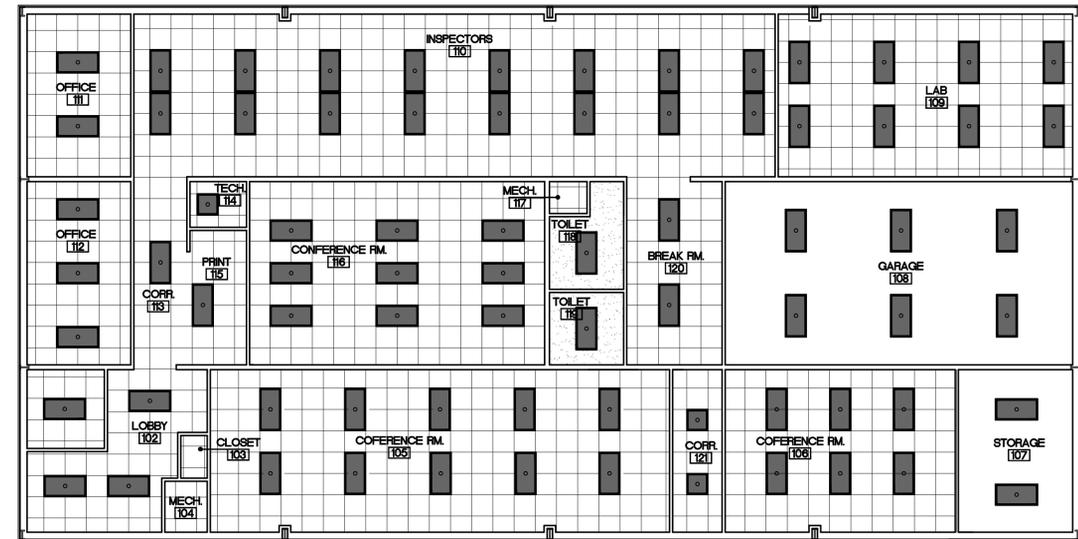
**FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**LEGEND: REFER TO MECH & ELECT. PLANS FOR ADDITIONAL INFORMATION**

GENERAL NOTE: LIGHTING LEGEND IS GENERAL REFERENCE, REFER TO ELECTRICAL PLANS FOR SPECIFICS OF EACH FIXTURE.  
 GENERAL NOTE: REFER TO ELECTRICAL PLANS FOR EMERGENCY LIGHTS, EXIT LIGHT, ETC.  
 GENERAL NOTE: REFER TO FINISH SCHEDULE AND SPECIFICATIONS FOR CLARIFICATION OF CEILING FINISHES AND CEILING HEIGHTS

- 2x2' LAY-IN ACOUSTICAL TILE CEILING RE: FINISH SCHEDULE
- GYPSUM BOARD CEILING, PAINTED RE: FINISH SCHEDULE
- 2x4' LAY-IN FLUORESCENT. REF TO ELEC. DRAWINGS



**3 REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"



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**REVISIONS**

8-1-2012	
10-8-2012	
11-1-2012	
11-7-2012	



BENJAMIN F. TRAXEL  
ARCHITECT LICENSE NO. 2004003483

ARCHITECTURAL CORPORATION  
MISSOURI LICENSE NO. 2004003483

**DILLE & TRAXEL, I.C.**  
ARCHITECTS  
4061 highway PP, suite 2 (p) 573-778-0033  
poplar bluff MO 63901 (f) 573-778-0057

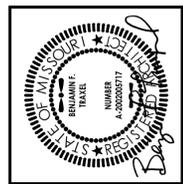
NEW OFFICE BUILDING  
**MISSOURI DEPARTMENT OF TRANSPORTATION**  
COUNTY ROAD 523  
POPLAR BLUFF, MO 63901

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DATE	22 JUNE 2012
SHEET TITLE	PLANS
JOB NO.	12-12
SHEET	

**A2.0**

REVISIONS	
8-1-2012	
10-8-2012	
11-1-2012	



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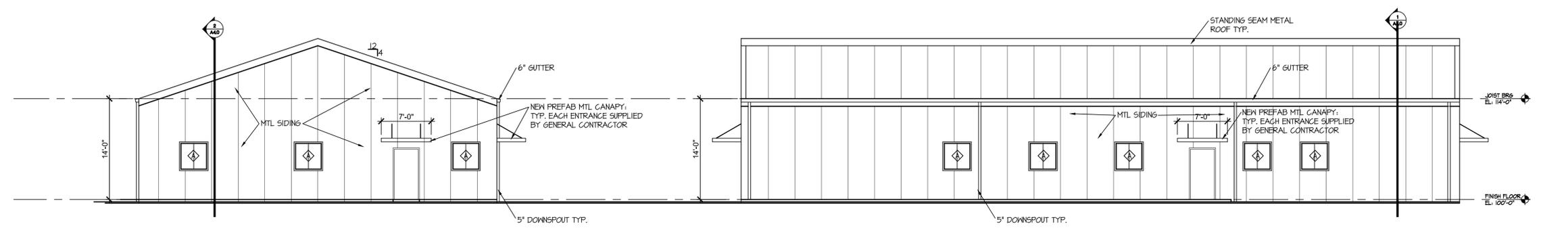
**DILLE & TRAXEL, I/C**  
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poplar bluff MO 63901  
(p) 573-778-0033  
(fx) 573-778-0057

NEW OFFICE BUILDING  
**MISSOURI DEPARTMENT  
OF TRANSPORTATION**  
COUNTY ROAD 523  
POPLAR BLUFF, MO 63901

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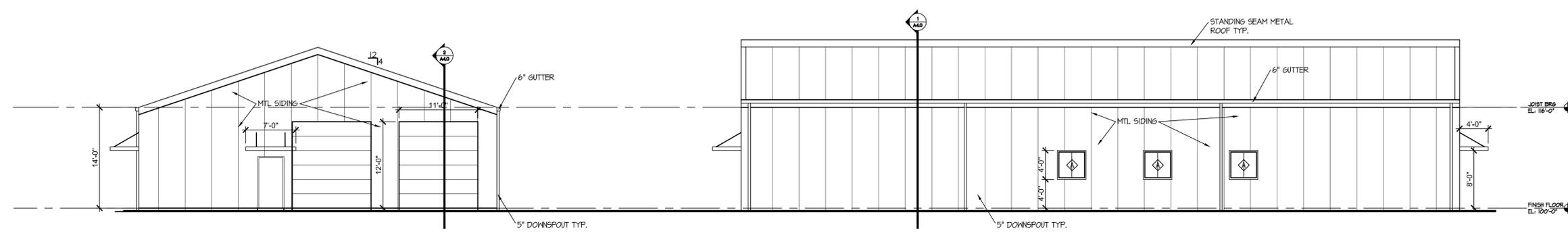
DATE  
22 JUNE 2012  
SHEET TITLE  
ELEVATIONS  
JOB NO.  
12-12  
SHEET

**A3.0**



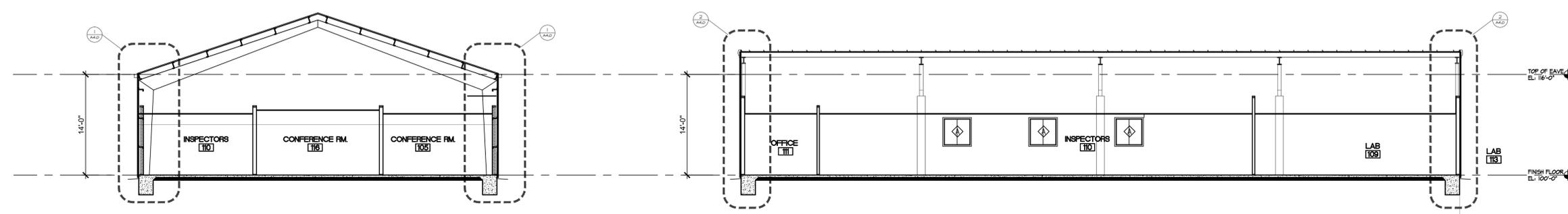
**1 WEST ELEVATION**  
SCALE: 1/8" = 1'-0"

**2 SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"



**3 EAST ELEVATION**  
SCALE: 1/8" = 1'-0"

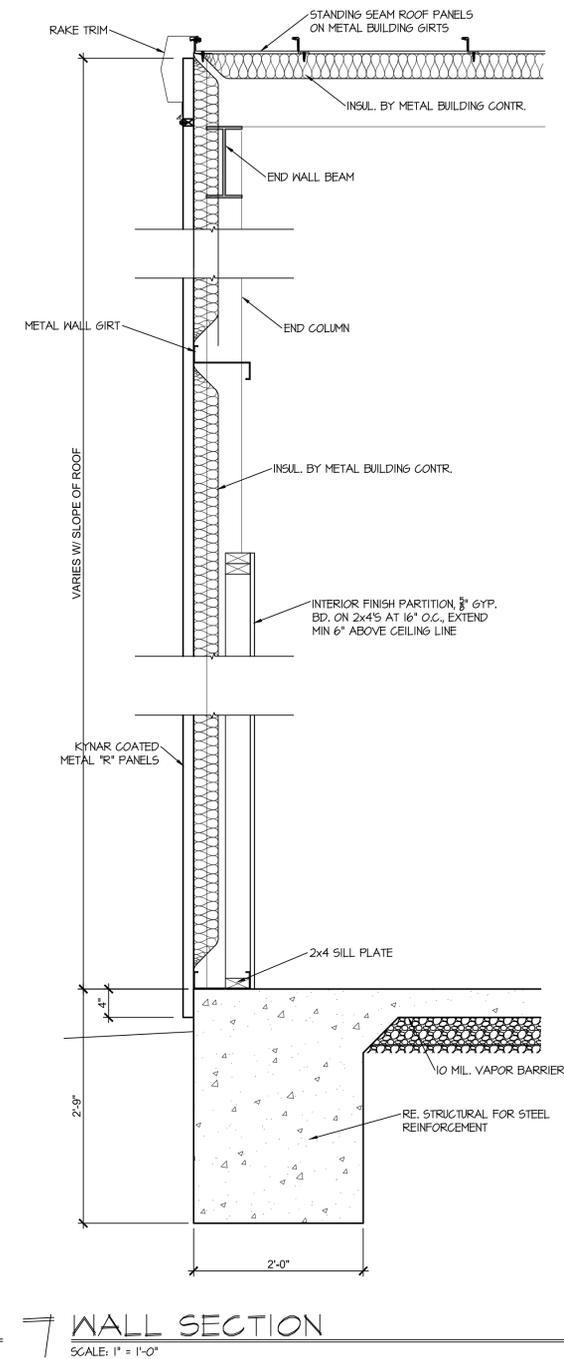
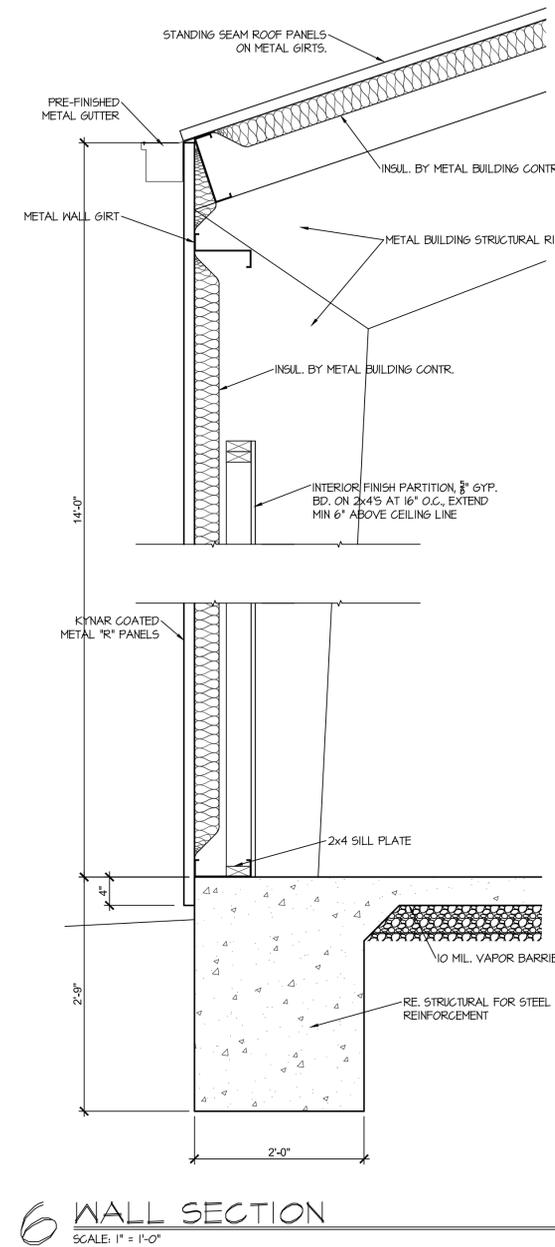
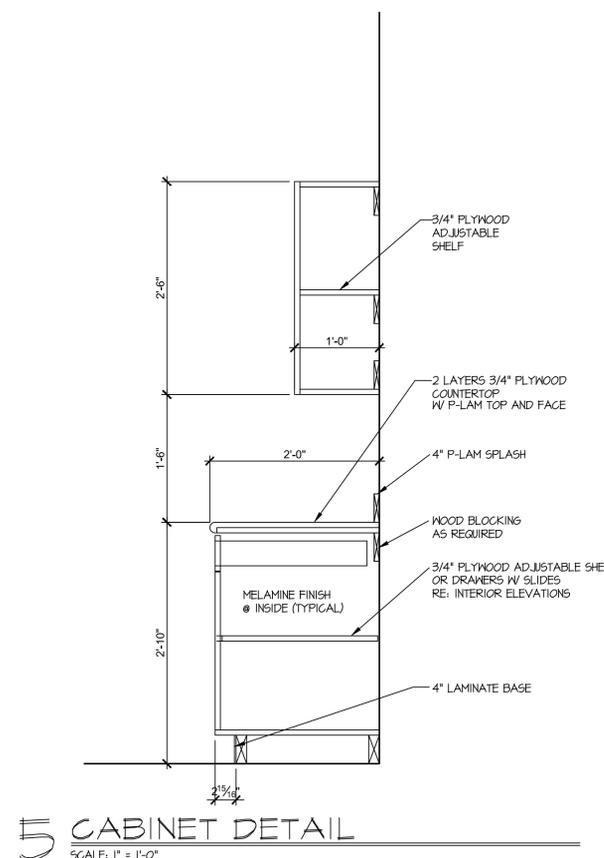
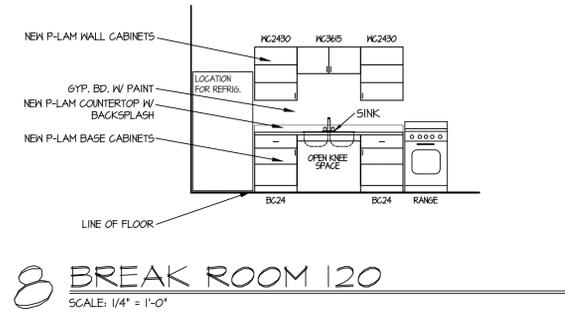
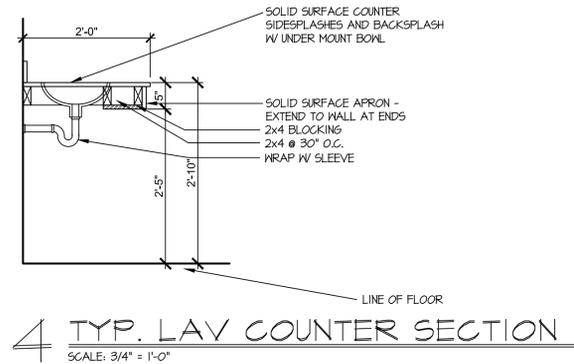
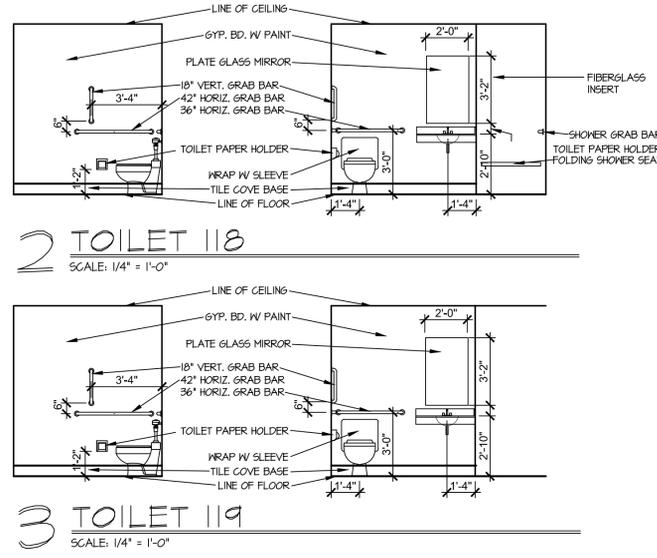
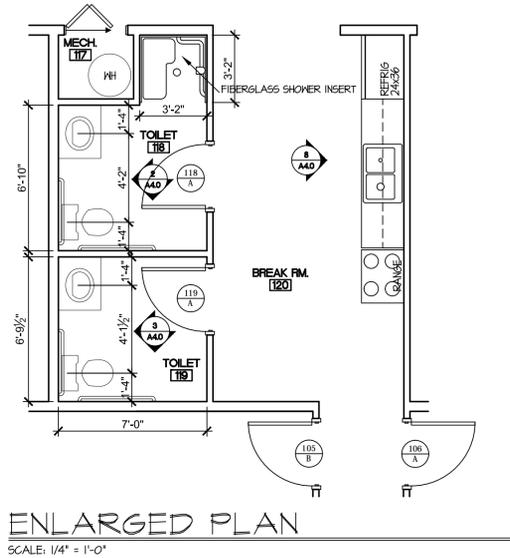
**4 NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"



**BUILDING SECTION A-A**  
SCALE: 1/8" = 1'-0"

**BUILDING SECTION B-B**  
SCALE: 1/8" = 1'-0"

NOTIFY ARCHITECT IN EVENT OF DISCREPANCIES, OMISSIONS AND/OR CONFLICTS IN THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE DRAWINGS. ALL QUESTIONS IN REFERENCE TO THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY DIRECTED TO THE ARCHITECT.



NOTIFY ARCHITECT IN WRITING OF DISCREPANCIES, OMISSIONS AND/OR CONFLICTS IN THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE DRAWINGS. ALL QUESTIONS IN REFERENCE TO THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY DIRECTED TO THE ARCHITECT.

REVISIONS	
8-1-2012	
10-8-2012	
11-1-2012	

  
**BENJAMIN F. TRAXEL**  
 ARCHITECT LICENSE NO. 2009003483  
**ARCHITECTURAL CORPORATION**  
 MISSOURI LICENSE NO. 2009003483

---

  
**DILLE & TRAXEL, LLC**  
 ARCHITECTS  
 4061 Highway PP, suite 2  
 Poplar Bluff, MO 63901  
 (p) 573-778-0033  
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NEW OFFICE BUILDING  
**MISSOURI DEPARTMENT OF TRANSPORTATION**  
 COUNTY ROAD 52B  
 POPLAR BLUFF, MO 63901

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DATE  
 22 JUNE 2012  
 SHEET TITLE  
**ENLARGED PLANS**  
 JOB NO.  
 12-12  
 SHEET

A4.0

ROOM FINISH SCHEDULE

ROOM	NO.	NAME	FLOOR				BASE	WSCT	WALL	CEILING	REMARKS					
			NO. FLOOR FINISH	N.G.T.	SEAL	CONCRETE	NO. BASE	4" FINE WOOD	NO. MAINSOT	GYP. BD.		GYP. BD. ACRYLIC LATEX	GYP. BD. ALKYD ENAMEL	METAL WALL PANELS	GYP. BOARD	ACOUSTICAL 2 X 2 LAY-IN EXPOSED
ENTRY	100															
RECEPTION	101															
LOBBY	102															
CLOSET	103															
CONF. RM.	105															
CONF. RM.	106															
STORAGE	107															
GARAGE	108															
LAB	109															
INSPECTORS	110															
OFFICE	111															
OFFICE	112															
CORRIDOR	113															
TECHNICAL	114															
PRINTING	115															
CONF. RM.	116															
MECHANICAL	117															
TOILET	118															
TOILET	119															
BREAK RM.	120															
CORRIDOR	121															

DOOR SCHEDULE

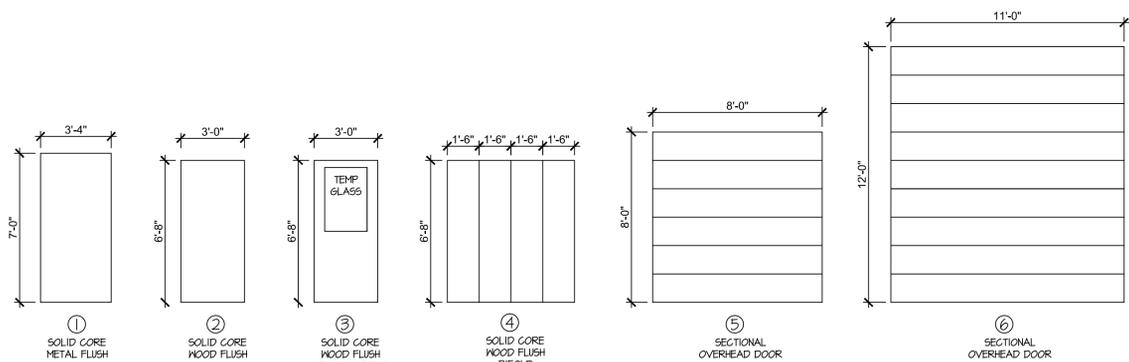
LOCATION				FRAME				DOOR				HDWR #	REMARKS				
NO.	ROOM	FROM	TO	UL.	PROFILE	DETAIL	MTRL.	FIN.	W.	HT.	TYPE	MTRL.	THK.	FIN.			
100-A	ENTRY	100	EXT.	-	B	I	MTL.	PAINT	3'-0"	7'-0"	I	MTL.	1 3/4"	PAINT	1		
102-A	LOBBY	102	100	-	B	II	MTL.	PAINT	3'-0"	7'-0"	I	MTL.	1 3/4"	PAINT	1		
103-A	CLOSET	102	103	-	D	II	WOOD	PRE-FIN	6'-0"	6'-8"	4	WOOD	1 3/4"	PRE-FIN	5		NEW BYFOLD DOORS
105-A	CONFERENCE	105	102	-	-	-	WOOD	PRE-FIN	3'-0"	6'-8"	3	WOOD	1 3/4"	PRE-FIN	-		USE EXISTING DOORS AND HARDWARE
105-B	CONFERENCE	121	105	-	-	-	WOOD	PRE-FIN	3'-0"	6'-8"	3	WOOD	1 3/4"	PRE-FIN	-		USE EXISTING DOORS AND HARDWARE
106-A	CONFERENCE	121	106	-	-	-	WOOD	PRE-FIN	3'-0"	6'-8"	3	WOOD	1 3/4"	PRE-FIN	-		USE EXISTING DOORS AND HARDWARE
107-A	STORAGE	108	107	-	BY MANF.	IV	MTL.	PAINT	8'-0"	8'-0"	5	MTL.	1 3/4"	PAINT	-		NEW OVERHEAD DOOR
108-A	GARAGE	108	EXT.	-	F	IV	MTL.	PAINT	11'-0"	12'-0"	6	MTL.	1 3/4"	PAINT	-		NEW OVERHEAD DOOR
108-B	GARAGE	108	EXT.	-	B	III	MTL.	PAINT	3'-0"	7'-0"	I	MTL.	1 3/4"	PAINT	3		
108-C	GARAGE	110	108	-	A	V	MTL.	PRE-FIN	3'-0"	6'-8"	3	WOOD	1 3/4"	PRE-FIN	2		
109-A	LAB	108	EXT.	-	F	IV	MTL.	PAINT	11'-0"	12'-0"	6	MTL.	1 3/4"	PAINT	-		NEW OVERHEAD DOOR
109-B	LAB	110	109	-	A	V	MTL.	PRE-FIN	3'-0"	6'-8"	3	WOOD	1 3/4"	PRE-FIN	2		
109-C	LAB	104	108	-	C	V	MTL.	PRE-FIN	3'-0"	6'-8"	3	WOOD	1 3/4"	PRE-FIN	4		
111-A	OFFICE	110	111	-	-	-	WOOD	PRE-FIN	3'-0"	6'-8"	3	WOOD	1 3/4"	PRE-FIN	-		USE EXISTING DOORS AND HARDWARE
112-A	OFFICE	113	112	-	-	-	WOOD	PRE-FIN	3'-0"	6'-8"	3	WOOD	1 3/4"	PRE-FIN	-		USE EXISTING DOORS AND HARDWARE
114-A	TECH	114	110	-	-	-	WOOD	PRE-FIN	3'-0"	6'-8"	2	WOOD	1 3/4"	PRE-FIN	2		USE EXISTING DOORS AND HARDWARE
116-A	CONFERENCE	110	116	-	-	-	WOOD	PRE-FIN	3'-0"	6'-8"	3	WOOD	1 3/4"	PRE-FIN	-		USE EXISTING DOORS AND HARDWARE
117-A	MECHANICAL	110	117	-	-	-	WOOD	PRE-FIN	3'-0"	6'-8"	4	WOOD	1 3/4"	PRE-FIN	-		USE EXISTING DOORS AND HARDWARE
118-A	TOILET	120	118	-	A	I	MTL.	PRE-FIN	3'-0"	6'-8"	2	WOOD	1 3/4"	PRE-FIN	2		
119-A	TOILET	120	119	-	A	I	MTL.	PRE-FIN	3'-0"	6'-8"	2	WOOD	1 3/4"	PRE-FIN	2		
121-A	CORRIDOR	121	EXT.	-	B	I	MTL.	PAINT	3'-0"	7'-0"	I	MTL.	1 3/4"	PAINT	1		

NOTE: USE EXISTING HARDWARE SETS FROM PREVIOUS OFFICE BUILDING WHERE POSSIBLE.

HARDWARE SETS

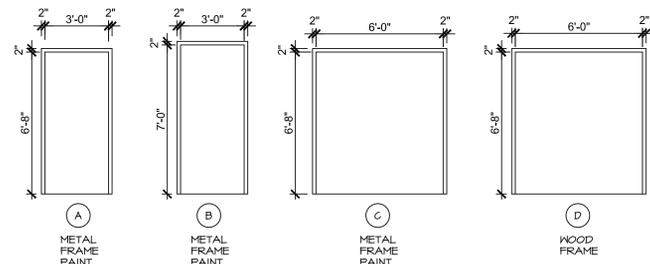
SET 1			SET 3			SET 5		
3 ea	Hinges	BB1194 4-1/2x4-1/2 x U526D STANLEY	3 ea	Hinges	BB1194 4-1/2x4-1/2 x U526D STANLEY	1 Bifold Hardware Set	BFC125N-00-12	ST
1 ea	Office	AU5304LN x 2-3/4 x ASA x U526D YALE	1 ea	Office	AU5304LN x 2-3/4 x ASA x U526D YALE	2 Knob Pull	B41 U526D	RO
1 ea	Wall Stop	416 x U526D ROCKWOOD	1 ea	Wall Stop	416 x U526D ROCKWOOD			
1 ea	Deadbolt	D112 x 2-3/4 x U526D YALE	1 ea	Deadbolt	D112 x 2-3/4 x U526D YALE			
			1 ea	Closer	CP51500T X 5NB X ALUM NORTON			

SET 2			SET 4		
3 ea	Hinges	BB1194 4-1/2x4-1/2 x U526D STANLEY	6 ea	Hinges	BB1194 4-1/2x4-1/2 x U526D STANLEY
1 ea	Office	AU5304LN x 2-3/4 x ASA x U526D YALE	2 ea	Office	AU5304LN x 2-3/4 x ASA x U526D YALE
1 ea	Wall Stop	416 x U526D ROCKWOOD	1 ea	Wall Stop	416 x U526D ROCKWOOD



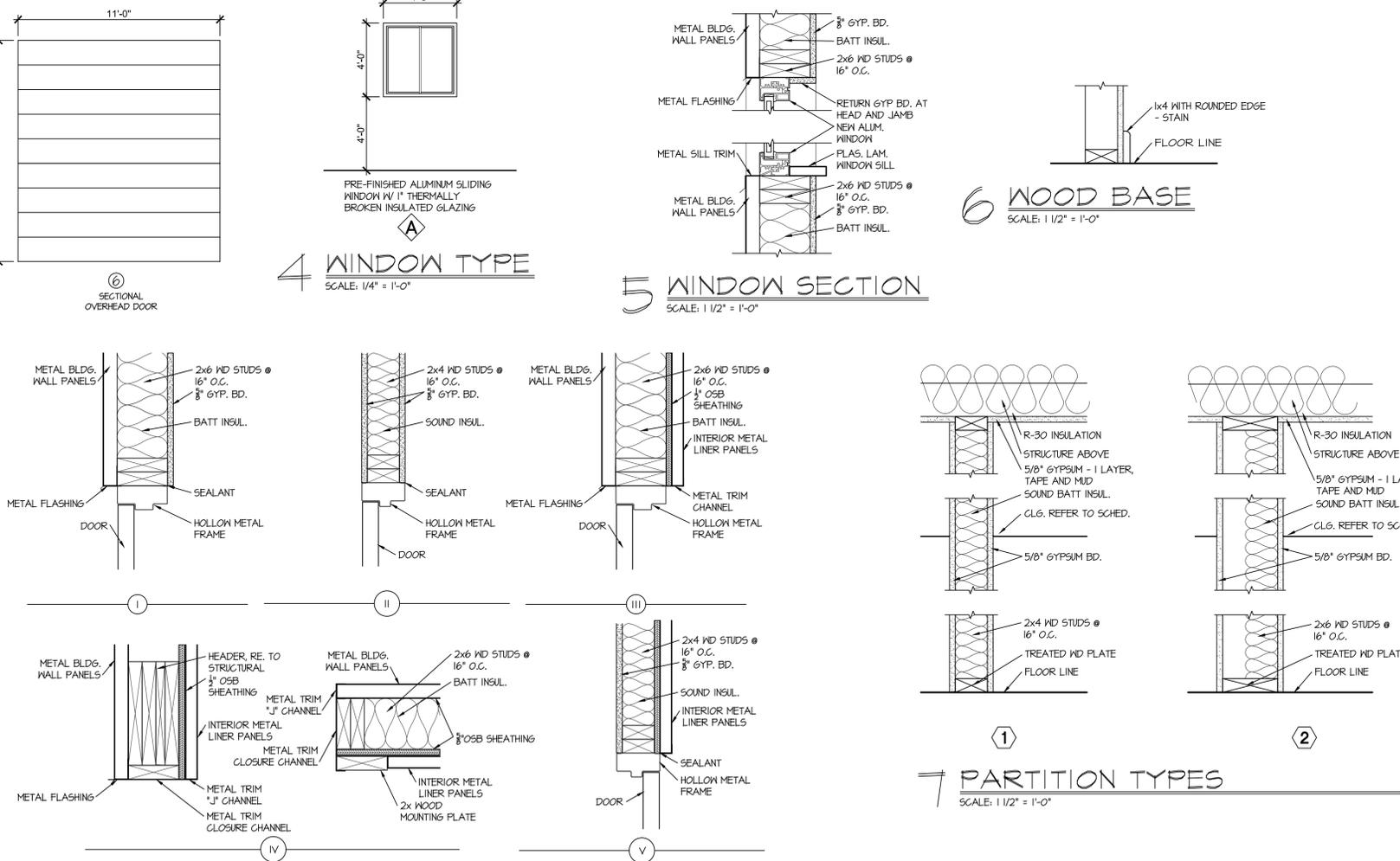
DOOR TYPES

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



FRAME PROFILES

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

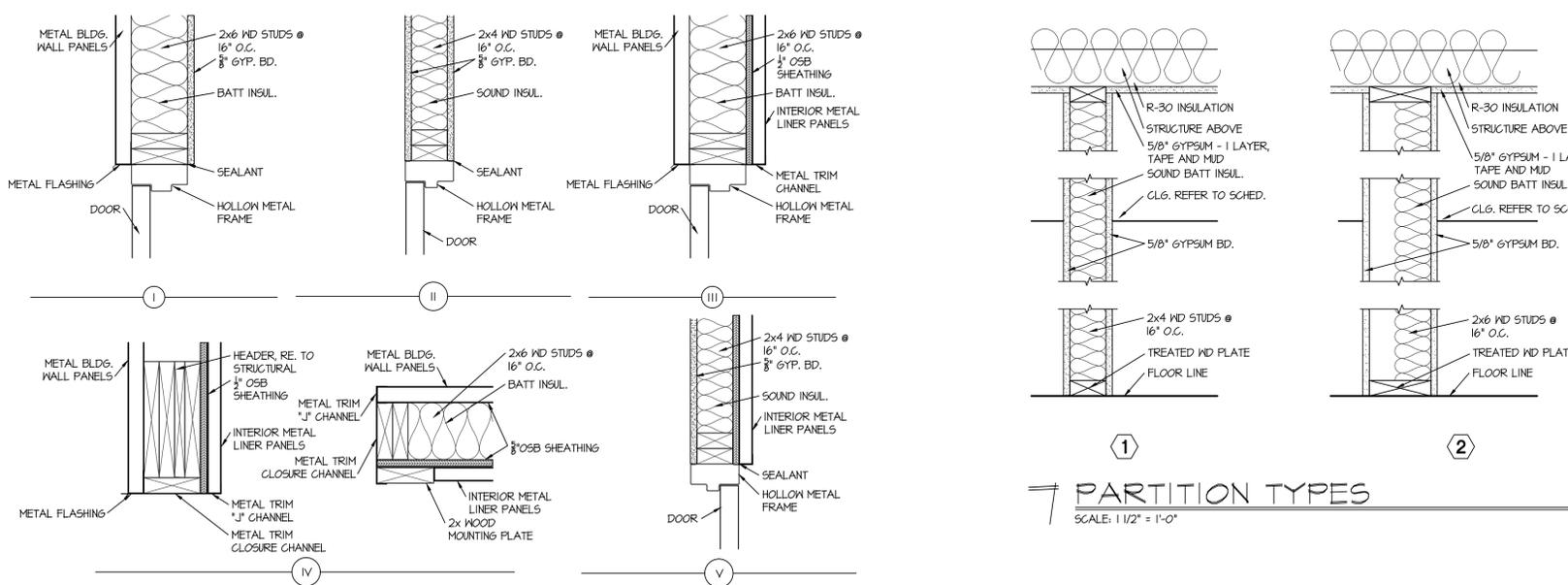


4 WINDOW TYPE

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

5 WINDOW SECTION

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

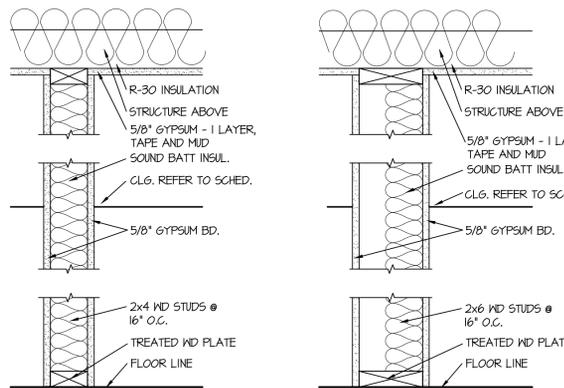


3 FRAME DETAILS

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

6 WOOD BASE

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



7 PARTITION TYPES

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

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BENJAMIN F. TRAXEL  
ARCHITECT  
MISSOURI LICENSE NO. 2009003483

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DATE	22 JUNE 2012
SHEET TITLE	SCHEDULES
JOB NO.	12-12
SHEET	

**A5.0**

**GENERAL CONSTRUCTION:**

- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO SIMILAR CONDITIONS ELSEWHERE.
- THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SCOPE OF THE WORK AND SOIL AND WATER CONDITIONS BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS.
- VERIFY SIZE AND LOCATION OF HOLES AND SLEEVES THROUGH MASONRY AND CONCRETE WALLS AND SLABS WITH MECHANICAL AND PLUMBING CONTRACTORS.
- GROUT BELOW BEAM BEARING AND COLUMN BASE PLATES SHALL BE IN PLACE AND PROPERLY CURED PRIOR TO ANY APPLICATION OF LOAD TO THE SUPPORTED MEMBER.
- ALL STEEL BUILDING FRAMES, UNLESS OTHERWISE NOTED, ARE NON-Self SUPPORTING STEEL FRAMES AS DEFINED IN THE "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" (AISC 303-05). THE CONTRACTOR SHALL PROVIDE TEMPORARY LATERAL BRACING FOR STEEL FRAMES UNTIL ALL BEAM-COLUMN CONNECTIONS ARE COMPLETE AND FLOOR AND ROOF DIAPHRAGMS ARE INSTALLED AND OF ADEQUATE STRENGTH.

**FOUNDATIONS:**

- ALL FOOTINGS SHALL REST ON UNDISTURBED SOIL OR COMPACTED FILL WHICH HAS A MINIMUM ALLOWABLE BEARING CAPACITY EQUAL TO OR GREATER THAN 1500 PSF.
- ALL FOOTING ELEVATIONS SHOWN ON THE DRAWINGS MEET THE REQUIRED DEPTHS FOR BEARING AND/OR FROST PROTECTION. ACTUAL FIELD CONDITIONS MAY REQUIRE ADDITIONAL EXCAVATION AND/OR COMPACTED FILL.
- SUBGRADE STRUCTURAL ELEMENTS SUBJECTED TO DIFFERENTIAL LATERAL SOIL PRESSURE SHALL BE ADEQUATELY BRACED UNTIL THE STRUCTURAL SLABS WHICH PROVIDE LATERAL RESTRAINT HAVE BEEN PLACED AND ALLOWED TO CURE FOR A MINIMUM OF (7) DAYS.

**CONCRETE:**

- REINFORCED CONCRETE DESIGNED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-05) BY THE AMERICAN CONCRETE INSTITUTE.
- REINFORCING BAR DETAILING, FABRICATING, AND PLACING SHALL CONFORM TO THE "ACI STANDARD DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" (ACI 315-92) AND THE "MANUAL OF ENGINEERING AND PLACING DRAWINGS FOR REINFORCED CONCRETE STRUCTURES" (ACI 315R-94) BY THE AMERICAN CONCRETE INSTITUTE. THE MOST CURRENT EDITIONS OF CONCRETE REINFORCING STEEL INSTITUTE'S "REINFORCING BAR DETAILING" AND "PLACING REINFORCING BARS" MAY ALSO BE USED.
- MINIMUM CONCRETE COMPRESSIVE STRENGTH ( $f_c$ ) AT 28 DAYS:
 

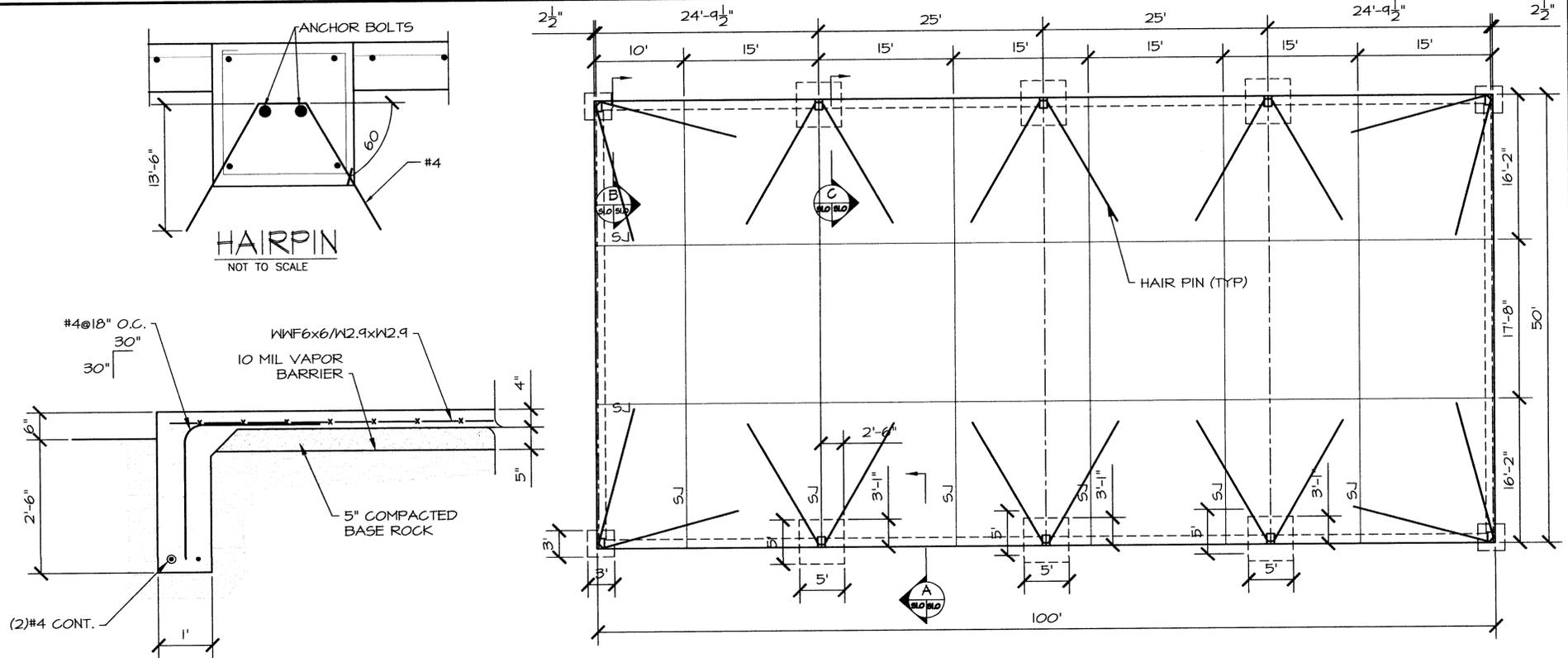
FOOTINGS	4000 PSF
FOUNDATION WALLS AND GRADE BEAMS	4000 PSI
BASEMENT/RETAINING WALLS	4000 PSI
SLABS ON GRADE	4000 PSI
LIGHT WEIGHT CONCRETE TOPPING SLABS	4000 PSI
- CONCRETE REINFORCEMENT:
  - DEFORMED BARS - NEW BILLET STEEL COMPLYING WITH ASTM A615 AND HAVING A MINIMUM YIELD STRENGTH OF 60,000 PSI.
  - WELDED WIRE FABRIC - SMOOTH WIRE FABRIC COMPLYING WITH ASTM A185.
- CONCRETE PROTECTION FOR REINFORCEMENT:
 

CONCRETE POURED AGAINST GROUND (NOTE A)	3"
CONCRETE POURED AGAINST FORMS (NOTE A,B,C):	
#6 BARS OR LARGER	2"
SMALLER THAN #6 BARS	1 1/2"
SLABS POURED TO FORMS:	
FORMED SURFACE (NOTE B)	1"
SCREEDED SURFACE FOR APPLIED TOPPING	3/4"
SLABS POURED ON GRADE:	
FROM BOTTOM SURFACE	2"
TROWELED SURFACE (NOTE B)	1"
SCREEDED SURFACE FOR APPLIED TOPPING	3/4"

- UNLESS OTHERWISE SHOWN OR NOTED, SPLICING OF REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ACI 318-05 SECTIONS 12.14 THROUGH 12.17. SPLICING OF WELDED WIRE FABRIC SHALL CONFORM TO ACI 318-05 SECTIONS 12.18 AND 12.19.
- UNLESS OTHERWISE SHOWN OR NOTED, TOP AND BOTTOM BARS FOR CONTINUOUS BEAMS SHALL BE OF MAXIMUM LENGTH WITH SPLICES LOCATED AT MID SPAN FOR TOP BARS AND AT SUPPORTS FOR BOTTOM BARS.
- ALL HORIZONTAL BARS IN WALLS OR GRADE BEAMS SHALL BE BENT AT CORNERS AND INTERSECTIONS IN SUCH A WAY THAT CONTINUITY IS PROVIDED THROUGH THE JOINT. SEPARATE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING MAY BE SUBSTITUTED FOR THE BENT PORTION OF THE CONTINUOUS BARS.
- ALL CONSTRUCTION JOINTS SHOWN ON THE DRAWINGS SHALL BE INCORPORATED IN THE STRUCTURE UNLESS THEIR ELIMINATION IS APPROVED BY THE ENGINEER. ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION SHALL BE LOCATED AND DETAILED ON SHOP DRAWINGS. WHEN CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THE DRAWINGS ARE REQUIRED, THE REINFORCEMENT SHALL PASS CONTINUOUSLY THROUGH THE JOINT AND A KEY SHALL BE PROVIDED FOR ADEQUATE SHEAR TRANSFER.
- ALL KEYS FOR CONSTRUCTION JOINTS SHALL BE 2x4 (NOMINAL) UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS.
- ALL CONCRETE BEAMS SHALL BE PLACED MONOLITHICALLY WITH THE ADJACENT SLABS, UNLESS OTHERWISE SHOWN OR NOTED.
- UNLESS OTHERWISE SHOWN OR NOTED, PROVIDE 2 - #5 BARS (1-EACH FACE) AROUND UNFRAMED OPENINGS IN CONCRETE WALLS AND GRADE BEAMS. PLACE BARS PARALLEL TO SIDES OF OPENING AND EXTEND 24" BEYOND CORNERS.

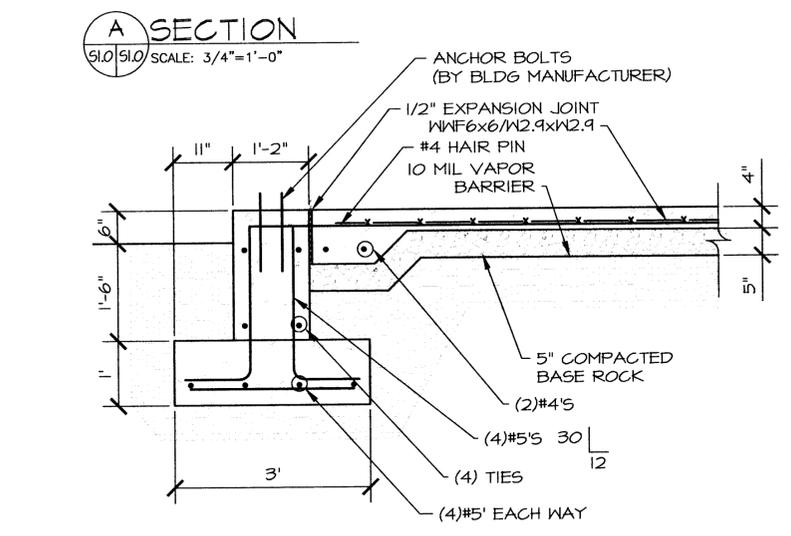
**PRE-ENGINEERED METAL BUILDING**

- PRE-ENGINEERED METAL BUILDING SUPPLIER SHALL PROVIDE BUILDING LOAD REACTIONS FOR FINAL MODIFICATIONS TO BUILDING FOUNDATIONS AND RECOMMENDED ANCHOR BOLT SIZES AND PLACEMENT.

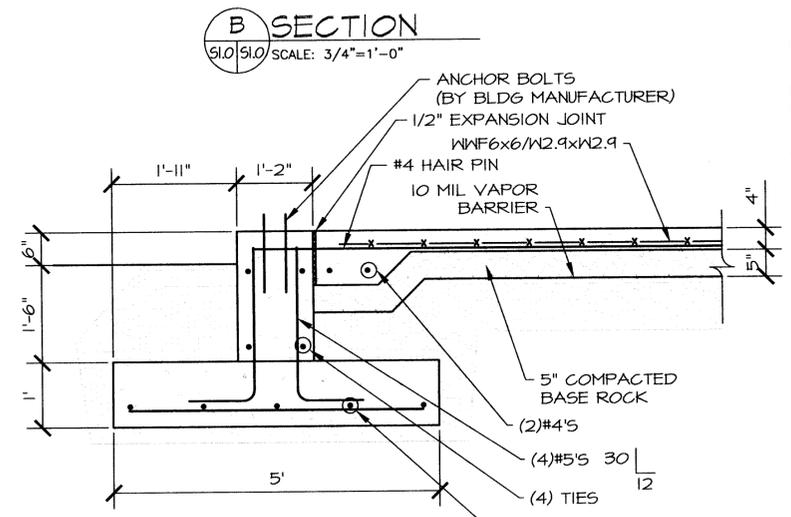


**FOUNDATION/SLAB PLAN**  
 SCALE: 1/8" = 1'-0"

ANCHOR BOLT PLACEMENT PER METAL BUILDING MANUFACTURER'S GUIDELINES AND LAYOUT.



**A SECTION**  
 5/10 5/10 SCALE: 3/4" = 1'-0"



**B SECTION**  
 5/10 5/10 SCALE: 3/4" = 1'-0"



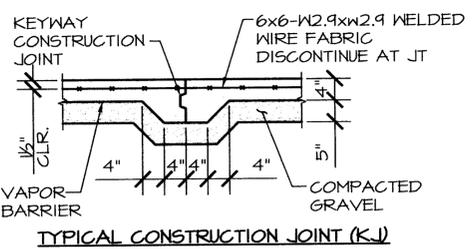
**C SECTION**  
 5/10 5/10 SCALE: 3/4" = 1'-0"

BAR SIZE	LENGTH OF LAPPED SPLICES FOR REINFORCING IN INCHES		LENGTH OF EMBEDMENT FOR END ANCHORAGE OF REINFORCING IN INCHES	
	* TOP BARS	OTHERS	* TOP BARS	OTHERS
3	18	14	14	12
4	24	18	18	14
5	30	23	23	18
6	40	31	31	23
7	54	42	42	32
8	71	54	54	42
9	90	69	69	53
10	114	87	87	67
11	140	108	108	93
14	NOT PERMITTED		202	155
18	NOT PERMITTED		357	276

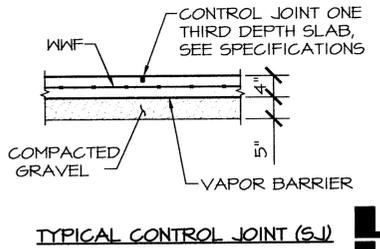
\* TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST IN THE MEMBER BELOW THE BAR. HORIZONTAL BARS IN WALLS SHALL BE PROVIDED WITH LAPS AS REQUIRED FOR TOP BARS.

EXCEPT AS OTHERWISE INDICATED ON THE PLANS, EMBEDMENT LENGTHS FOR END ANCHORAGES AND LAPPED SPLICES SHALL NOT BE LESS THAN SHOWN ABOVE.

NO SPLICES SHALL BE MADE EXCEPT WHERE SHOWN ON THE DESIGN DRAWINGS OR AS SPECIFIED OR AUTHORIZED BY THE ENGINEER.



**TYPICAL CONSTRUCTION JOINT (KJ)**



**TYPICAL CONTROL JOINT (S.J.)**

**TYPICAL CONCRETE SLAB ON GRADE DETAILS**  
 SCALE: 3/4" = 1'-0"

NOTE:  
 1. A CONSTRUCTION JOINT (KJ) MAY REPLACE ANY CONTROL JOINT (S.J.).

**BUILDING DESIGN CRITERIA**

OCCUPANCY CATEGORY II  
 BUILDING DESIGN LOADS  
 ROOF DL=10 PSF  
 ROOF LL=20 PSF  
 GROUND SL=15 PSF  
 WIND 90 MPH, EXPOSURE C, I=1.0

SNOW LOADS  
 $pf=0.7 (C_e)(C_t)(I)(pg)$   
 $C_e=1.0$   $I=1.0$   
 $C_t=1.0$

SEISMIC LOADS ORDINARY STEEL MOMENT FRAMES  
 $I=1.0$   
 $S_s=1.100$   $S_d=0.777$   
 $S_1=0.303$   $S_d1=0.363$

SITE CLASS D  
 DESIGN CATEGORY D  
 $R=3.5$   
 $C_s = S_d = 0.777 = 0.222$   
 $(R/I) (3.5/1)$   
 $V=C_sW$

EQUIVALENT LATERAL FORCE PROCEDURE

NOTICE: ARCHITECT IN EVENT OF DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS IN THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE DRAWINGS OR SPECIFICATIONS IN REFERENCE TO THE CONTRACT DOCUMENTS. ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT.

# PLUMBING FIXTURE SCHEDULE

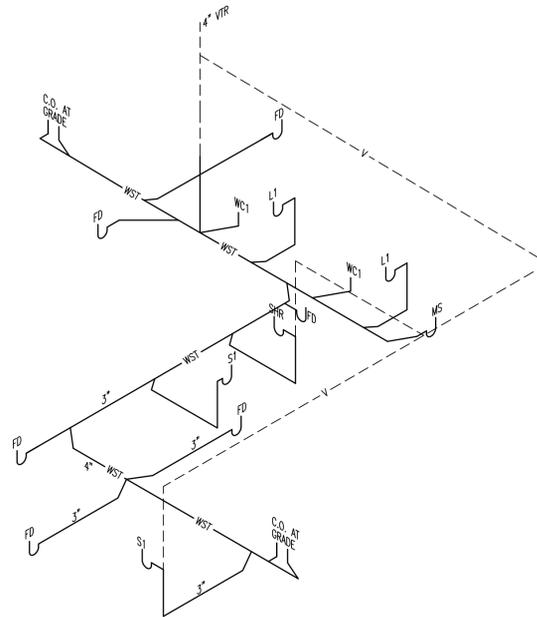
MARK	DESCRIPTION	WASTE CONNECTION	VENT CONNECTION	CW SUPPLY	HW SUPPLY	MANUFACTURER AND MODEL (OR APPROVED EQUAL)
WC1	WATER CLOSET ADA	4"	4"	1/2"	--	AMERICAN STANDARD 2998.012, 16.5" LIP HEIGHT, CHURCH MODEL 9500C SEAT, SUPPLY & STOP, MOUNT PER ADA.
LAV	LAVATORY	2"	2"	1/2"	1/2"	AMERICAN STANDARD 3004.207, DELTA 501 FAUCET, SUPPLIES & STOPS, WITH P-TRAP, TRUBRO LAVGUARD INSULATION ON SUPPLIES AND WASTE.
S1	KITCHEN SINK	2"	2"	1/2"	1/2"	ELKAY CR3322, DELTA 2400LF FAUCET, SUPPLIES, & STOPS, WITH P-TRAP.
FD	FLOOR DRAIN	2"	--	--	--	WATTS FD-100-A, WITH P-TRAP.
WH1	WATER HEATER	--	--	3/4"	3/4"	A.O. SMITH DEL-40, 40 GAL. CAPACITY, 4,500 WATT NON-SIMULTANEOUS ELEMENT, 240V.
FPHB	HOSE BIB	--	--	3/4"	--	WOODFORD MODEL 74 FREEZE PROOF HOSE BIB.
SHR	SHOWER	2"	2"	1/2"	1/2"	AMERICAN STANDARD ACRYLUX 3636Y1K.ST, DELTA T17285 SHOWER HEAD & VALVE, SUPPLIES & STOPS, WITH P-TRAP.
MS	MOP SINK	3"	3"	3/4"	3/4"	SWAN MS-2424, MS-2408 VINYL RIM GUARD, MS-2405 HOSE & HOLDER, MS2437 MOP HANGER, WITH STRAINER & DELTA 2819 FAUCET.
EWC	WATER COOLER	2"	2"	1/2"	--	HALSEY TAYLOR HVRB ADA, 7.8 GPH, 120V, SUPPLY & STOP, MOUNT PER ADA.
FPHB	HOSE BIB	--	--	3/4"	--	WOODFORD MODEL 21 HOSE BIB.

## WATER SERVICE CALCULATION

FIXTURE	NO. OF FIXTURES	FIXTURE UNITS	TOTAL UNITS PER FIXTURE
WC	2	2.00	4.00
LAV	2	2.00	4.00
SHR	1	1.40	1.40
S1	1	1.40	1.40
MS	1	3.00	3.00
EWC	1	0.25	0.25
<b>TOTAL</b>	<b>=</b>	<b>=</b>	<b>14.05</b>
			<b>17.000</b>

REQUIRED:  
 WATER SERVICE SIZE = 1"  
 WATER TAP SIZE = 1"  
 WATER METER SIZE = 1"

PROVIDED:  
 WATER SERVICE SIZE = 1"  
 WATER TAP SIZE = 1"  
 WATER METER SIZE = 1"

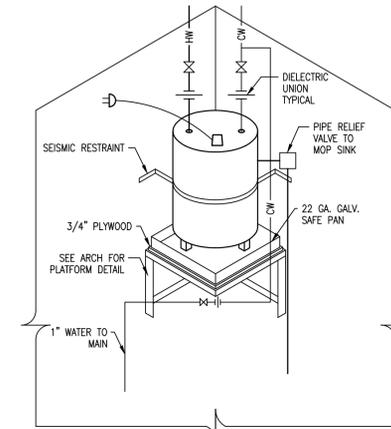


Plumbing Riser Diagram

No Scale

2

M1

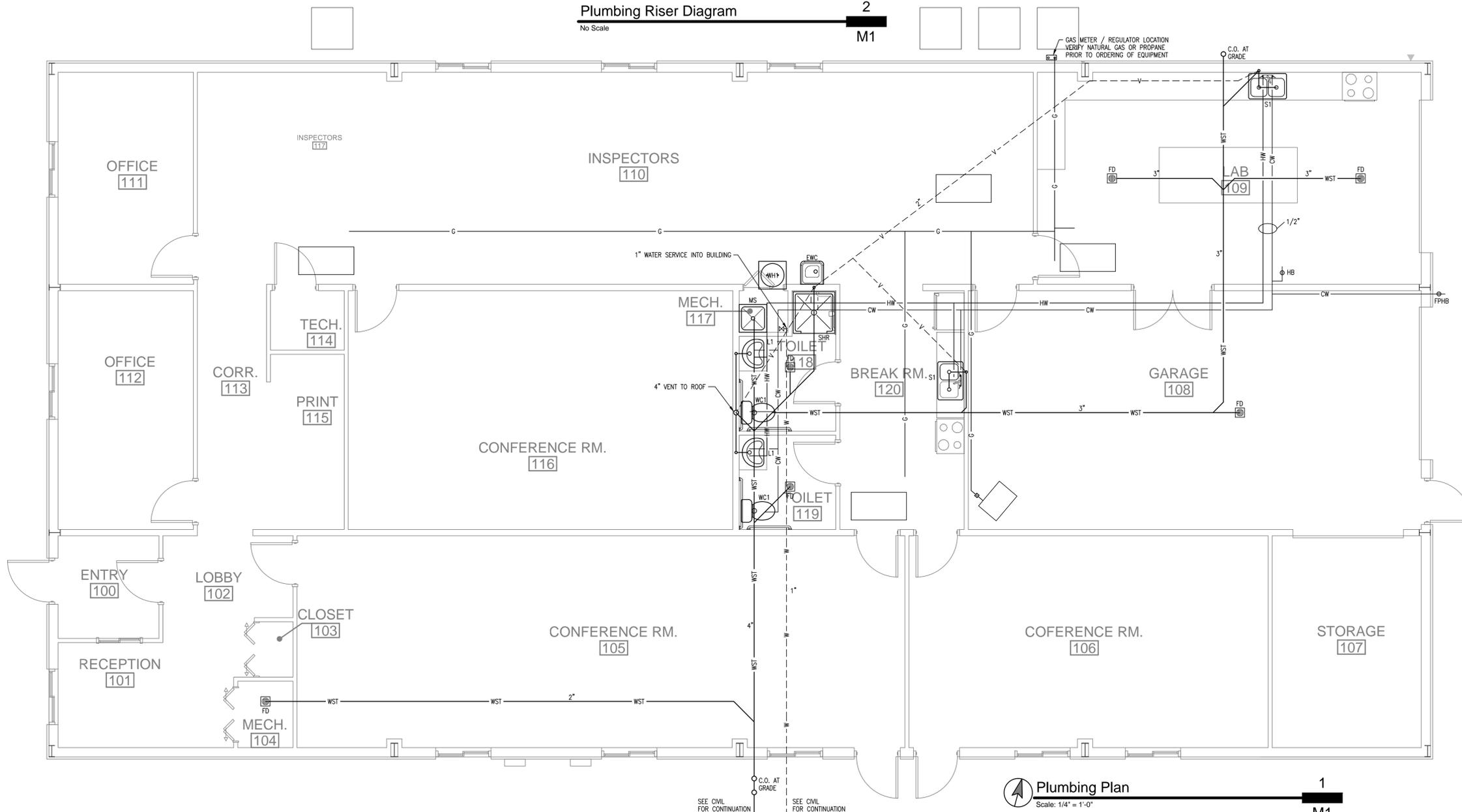


Water Heater Mounting Detail

No Scale

3

M1



Plumbing Plan

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

1

M1

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REVISIONS




ARCHITECTURAL CORPORATION MISSOURI LICENSE NO. 2009003483

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NEW OFFICE BUILDING  
 MISSOURI DEPARTMENT  
 OF TRANSPORTATION  
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 JOB NO.: 12-12  
 SHEET

**M1**

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 (573) 204-7900  
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 www.sandinengineering.com  
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 Sole Proprietor

# HVAC EQUIPMENT SCHEDULE

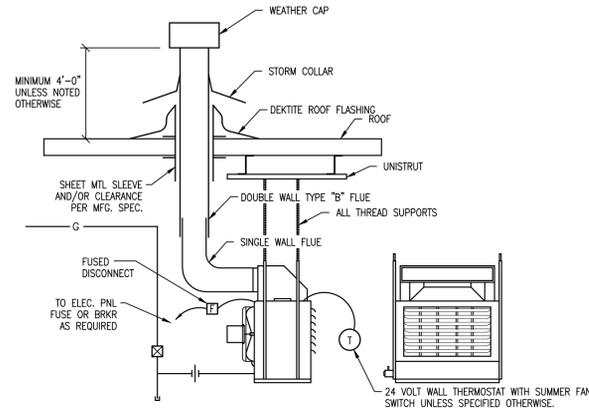
## HEATING AND AIR CONDITIONING

MARK	HEATING BTU INPUT (kW)	HEATING BTU OUTPUT	TOTAL COOLING	SENSIBLE COOLING	BLOWER CFM @ 0.5"	MAXIMUM OUTDOOR AIR CFM	V / #	MODEL #	REMARKS
F1 / C1	40,000	37,200	24,000	18,000	800	200	120 / 1 240 / 1	CARRIER 58MCR04010008 / CAPMP2419ACA / 24ABB324A0030	1)
F2 / C2	100,000	93,000	42,000	30,500	1,300	300	120 / 1 240 / 1	CARRIER 58MCR10010016 / CAPMP4221ACA / 24ABB342A0030	1)
F3 / C3	100,000	93,000	48,000	36,000	1,600	400	120 / 1 240 / 1	CARRIER 58MCR10010016 / CAPMP4821ACA / 24ABB348A0030	1)
F4 / C4	100,000	93,000	60,000	45,000	1,950	400	120 / 1 240 / 1	CARRIER 58MCR10010016 / CAPMP6021ACA / 24ABB360A0030	1)
UH1	100,000	80,000	--	--	1,645	--	120 / 1	REZNOR MODEL B-100	--

## EXHAUST FANS

MARK	CFM	ESP	DRIVE	RPM	HP (WATTS)	V / #	MODEL	REMARKS
EF1	75	0.125"	DIRECT	900	(60)	120 / 1	COOK GC-124	2)
EF2	--	--	--	--	--	--	AS PROVIDED BY OWNER.	3)

- 1) VERIFY PROPANE OR NATURAL GAS AVAILABILITY PRIOR TO ORDERING OF EQUIPMENT. WITH 7 DAY PROGRAMMABLE T-STAT, OR APPROVED EQUAL.
- 2) SWITCH WITH LIGHTS, OR APPROVED EQUAL.
- 3) MOUNT AS HIGH AS POSSIBLE ABOVE GARAGE DOOR.

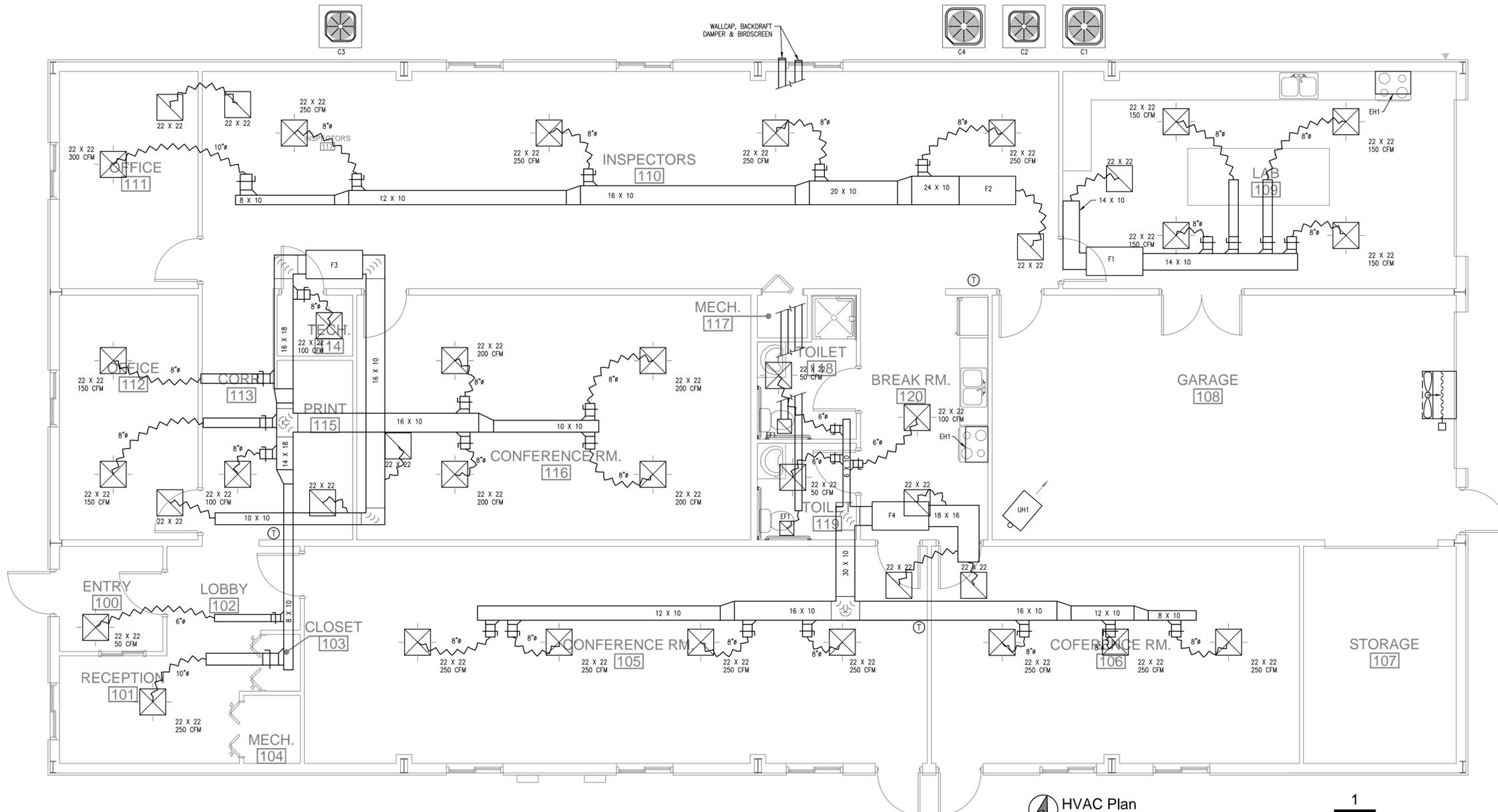


Unit Heater Mounting

No Scale

2

M2



HVAC Plan

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

1

M2

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**Sandin Engineering**  
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 Sole Proprietor

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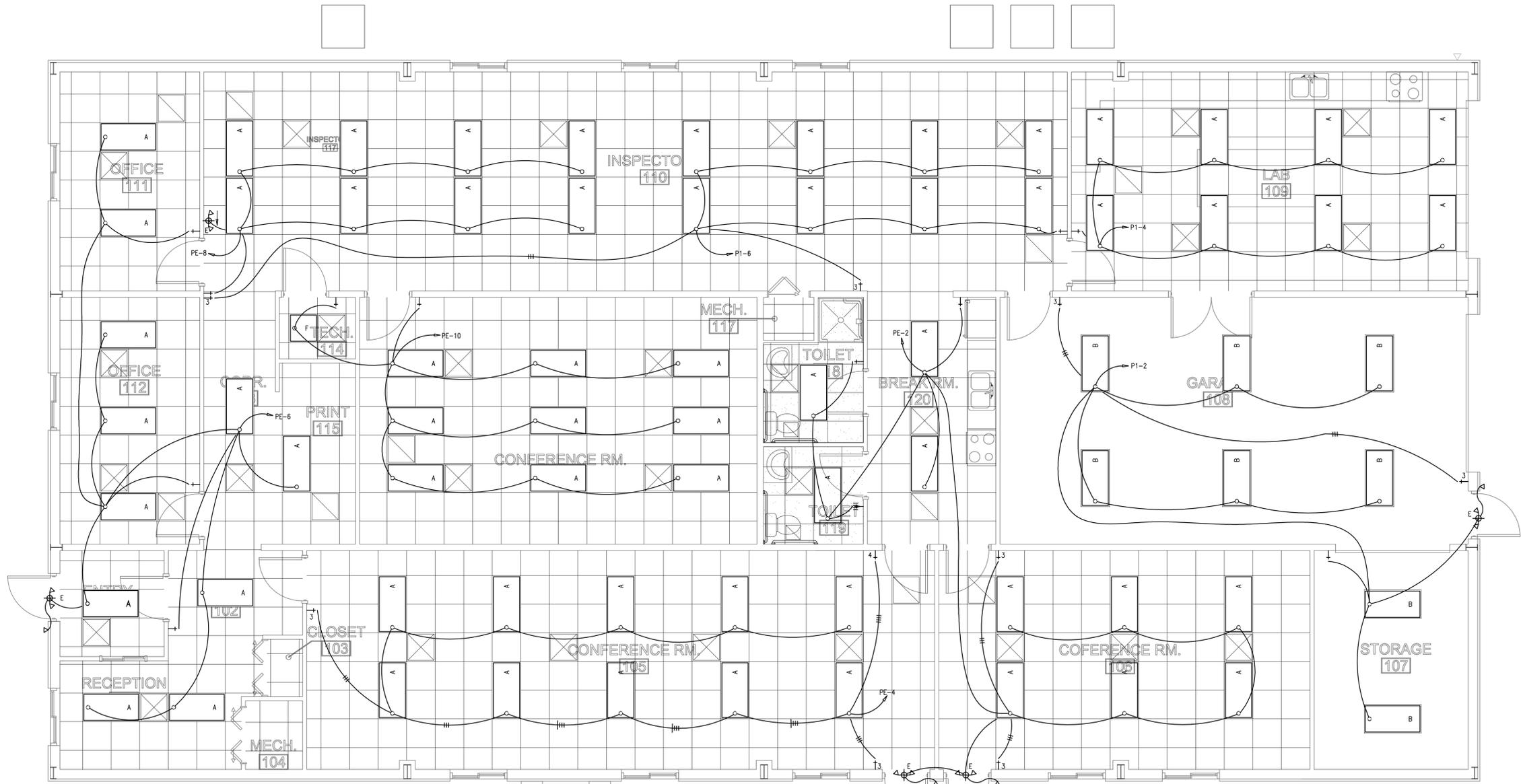
**M2**



# LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER AND MODEL	TYPE	LAMPS #	SIZE	MOUNTING	REMARKS
A	H.E. WILLIAMS 50G-S24-432-SA12125-EB4-UNV	FLUOR	4	32	RECESSED	1)
B	H.E. WILLIAMS 50G-S24-232-SA12125-EB4-UNV	FLUOR	2	32	SUSPENDED	1) 3)
C	H.E. WILLIAMS 18-4-432-EB4-UNV	FLUOR	4	32	SURFACE	1)
D	H.E. WILLIAMS HL-4-632-WD-HOOK/CABLE-S7238/B-EB4/2-UNV	FLUOR	6	32	UNV	1)
E	H.E. WILLIAMS EXIT/EM/REMOTE-SF-R-WHT-RH	LED	2	5	UNV	1) 2)
F	H.E. WILLIAMS 50G-S22-317-SA12125-EB3-UNV	FLUOR	3	17	WALL	1) 2)
G	H.E. WILLIAMS EMER-WHT	LED	2	5	WALL	1) 2)
H	H.E. WILLIAMS 76-4-432-EB4-UNV	FLUOR	4	32	SURFACE	1)
J	H.E. WILLIAMS WP2-PSMH-150-MED-PC-OV	MH	1	150	WALL	1)

- 1) OR APPROVED EQUAL
- 2) WITH REMOTE HEADS (RECESSED WHERE POSSIBLE) AS SHOWN
- 3) SHADED FIXTURE INDICATES NON-SWITCHED NIGHTLIGHT.



**Lighting Plan**  
Scale: 1/4" = 1'-0"  
1  
E2

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Sandin  
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E2