

Ames DL Remodel

Hy-Vee Plaza
3708 Lincoln Way
Ames, IA 50014

Project: BG-3A35(002)—80-85



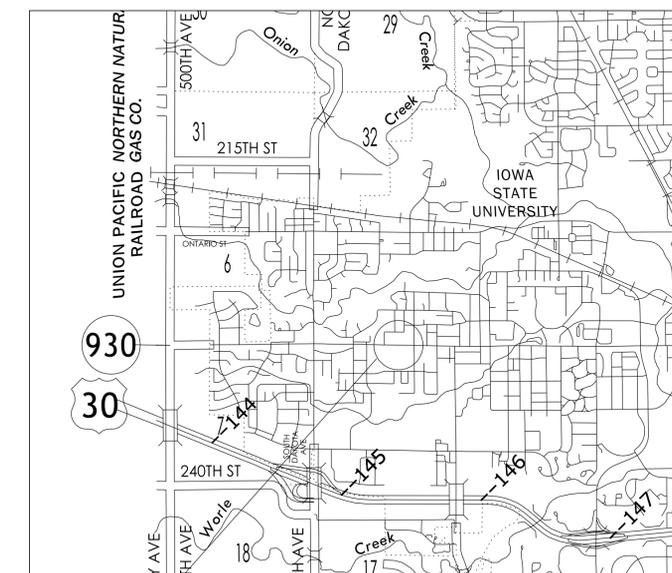
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OFFICE OF SUPPORT SERVICES

800 LINCOLN WAY
AMES, IOWA 50010

	I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly registered architect under the laws of the state of Iowa.
	Printed or typed name _____
	Signature _____ Date _____
	Registration expires _____ Date issued _____
	Pages or sheets covered by this seal: _____ _____ _____

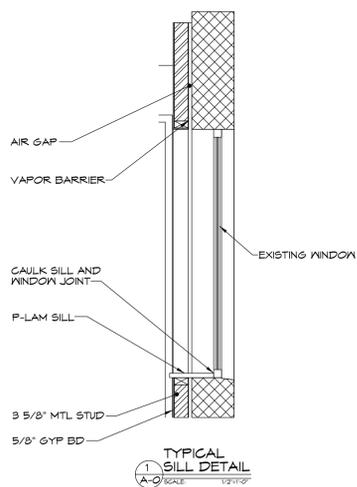
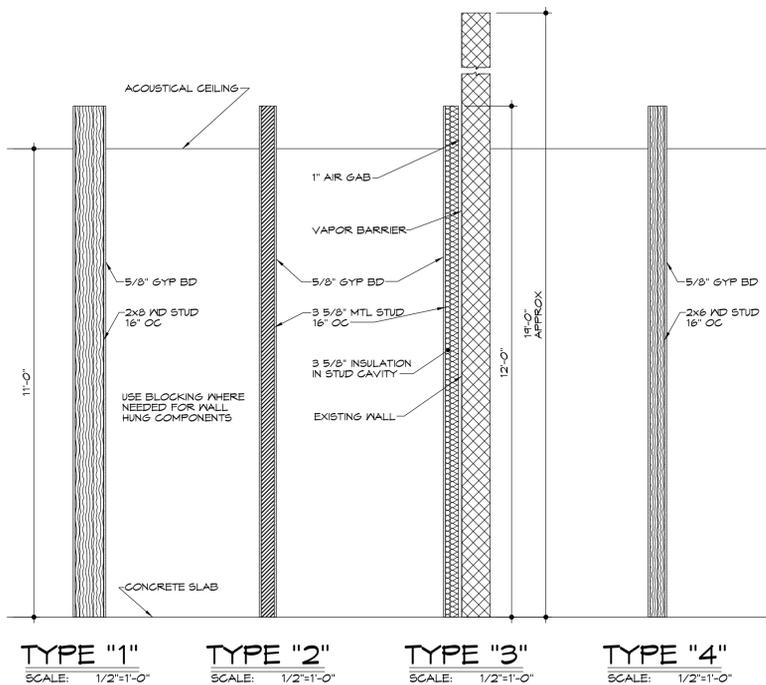


PROJECT LOCATION

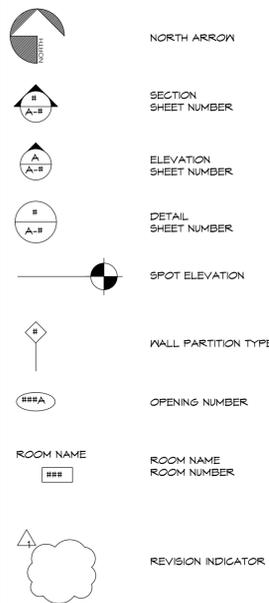
SCALE: 1"=1 MILE



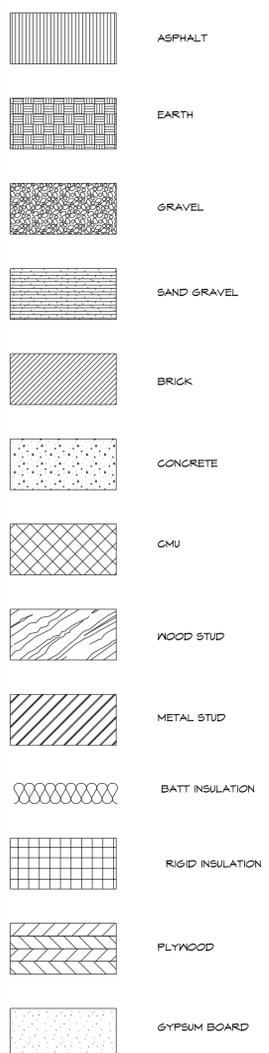
WALL TYPES:



SYMBOLS LEGEND:



MATERIALS LEGEND:



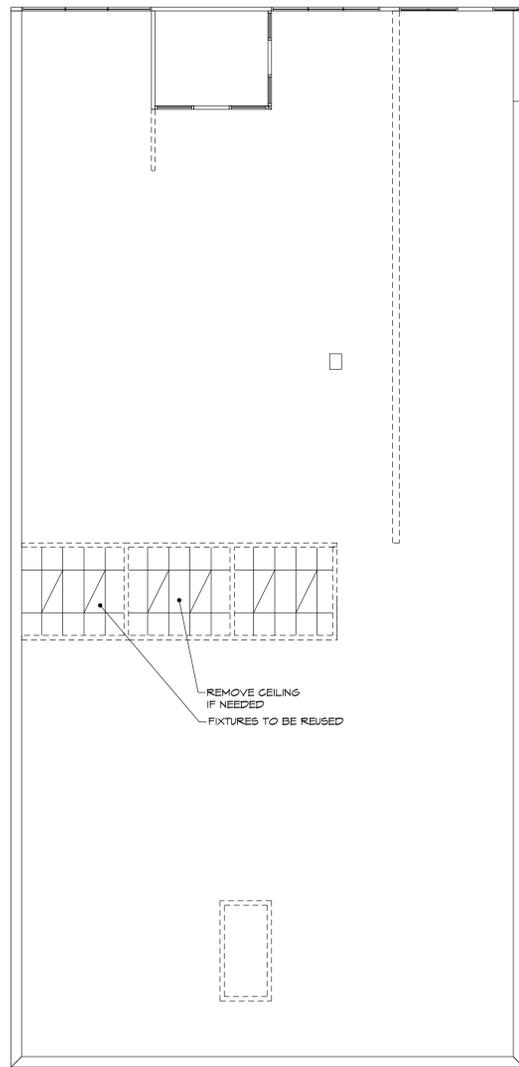
ABBREVIATIONS:

A	ASTRAGAL	O	OVERALL
A	ADJUSTABLE	OA	ON CENTER
ADJ	ADJUSTABLE	OC	OUTSIDE DIAMETER
AFB	ABOVE FINISH FLOOR	OD	OFFICE
AHU	AIR HANDLING UNIT	OFF	OFFICE
ALUM	ALUMINUM	OPH	OPPOSITE HAND
A	AND	OPG	OPENING
APPROX	APPROXIMATE	OPF	OPPOSITE
ARCH	ARCHITECT	P	PANT, PANEL MOLDING
B	BASE	PL	PLASTIC LAMINATE
BLDG	BUILDING	PLYND	PLYWOOD
BLKS	BLOCKING	PNL	PANEL
BO	BY OTHERS	PR	PAIR
BOT	BOTTOM	PT	POINT
BRD	BOARD	PTD	PAINTED
BRK	BRICK	PTN	PARTITION
BSEMT	BASEMENT	PVC	POLYVINYL CHLORIDE
BUR	BUILT-UP ROOFING	Q	QUARRY TILE
C	CARPET, GORNICIE	R	RISER, CHAIR RAIL, RADIUS
CB	CATCH BASIN	RD	ROOF DRAIN
CFMF	COLD FORMED METAL FRAMING	RE	REFER TO
CH	CEILING HEIGHT	REF	REFERENCE, REFRIGERATOR
CI	CAST IRON	RENF	REINFORCED
CJ	CONTROL JOINT	RESIL	RESILIENT
CL	CENTER LINE, CLOSET	RO	ROUGH OPENING
CLG	CEILING	REQ	REQUIRED
CLO	CLOSET	REV	REVISION
CLR	CLEAR	RM	ROOM
CMU	CONCRETE MASONRY UNIT	S	SOLID GORE, SKIM COAT
COL	COLUMN	SECT	SECTION
CONC	CONCRETE	SF	SQUARE FEET
CONT	CONTINUOUS	SH	SHELVES
CORR	CORRIDOR	SHR	SHOWER
CP	CEILING PAINT	SIM	SIMILAR
CT	CERAMIC TILE	SLR	SEALER
CVB	COVERED VINYL BASE	SPEC	SPECIFICATION
D	DOOR, DRYER	SQ	SQUARE
DBL	DOUBLE	SS	STAINLESS STEEL, SERVICE SINK
DEPT	DEPTH	ST	STONE
DF	DEPARTMENT	STL	STEEL
DF	DRINKING FOUNTAIN	STN	STAINED
DH	DOUBLE HUNG	STOR	STORAGE
DIAG	DIAGONAL	STRUC	STRUCTURAL
DIAM	DIAMETER	T	TREAD, DOOR OPENING, OR WINDOW TRIM
DM	DIMENSION	TEL	TELEPHONE
DISP	DISPOSAL	TEMP	TEMPERED
DTL	DETAIL	TF	TRANSPARENT FINISH
DW	DISHWASHER	THK	THICKNESS
DWG	DRAWING	TOC	TOP OF CONCRETE
E	EACH	TOX	TOP OF WALL
EA	EXTERIOR INSULATION FINISH SYSTEM	- X	TYPE X
EJ	EXPANSION JOINT	TYP	TYPICAL
EL	ELEVATION	U	UNLESS OTHERWISE NOTED
ELEG	ELEVATOR	UR	URNAL
EMER	EMERGENCY	V	VINYL COMPOSITION TILE
EQ	EQUAL	VERT	VERTICAL
EQUIP	EQUIPMENT	VEST	VESTIBULE
EXIST	EXISTING	VIF	VERIFY IN FIELD
EXT	EXTERIOR	VT	VINYL TILE
F	FLOOR DRAIN	W	WASHER
FD	FIRE EXTINGUISHER	W	WITH
FE	FINISHED FLOOR, FACTORY FINISH	WC	WATER CLOSET, WALL COVERING
FF	FINISH	WD	WOOD
FN	FLOOR	WF	WOOD FLOORING
FL	FACE OF WALL	WO	WITHOUT
FOAM	FOAM	WP	WATERPROOF
FT	FOOT	WR	WATER RESISTANT
FTG	FOOTING	WT	WEIGHT
G	GAUGE		
GA	GALVANIZED		
GALV	GENERAL CONTRACTOR		
GC	GLASS/GLAZING		
GL	GYPSUM		
GYP	GYPSUM BOARD		
GYP BD			
H	HOSE BIB		
HB	HARDWARE		
HDPI	HARDWOOD		
HDWD	HOLLOW METAL		
HM	HORIZONTAL		
HOR	HEIGHT		
HR	HEATING, VENTILATION, AIR CONDITIONING		
HT			
HVAC			
I	INSIDE DIAMETER		
ID	INSULATE (D)		
INS	INTERIOR		
INT			
J	JANITOR		
JAN	JOINT		
JT			
K	KITCHEN		
KIT			
L	LABORATORY		
LAB	LAMINATE		
LAM	LAVATORY		
LAV	LIGHT		
LT	LIGHT GAUGE		
LT GA	LOUVER		
LVR			
M	MIRROR		
M	MANUFACTURER FINISH		
MANUF	MAXIMUM		
MAX	MARBLE		
MB	MECHANICAL CONTRACTOR		
MC	MEDIUM DENSITY OVERLAY		
MDO	MECHANICAL		
MEGH	MEMBRANE		
MEMB	MANUFACTURER		
MFR	MINIMUM		
MIN	MISCELLANEOUS		
MISC	MOLDING		
MLDG	MASONRY OPENING		
MO	MOUNTED		
MTD	METAL		
MTL			
N	NATURAL FINISH		
NATF	NOT IN CONTRACT		
NIC	NOMINAL		
NOM	NO SILL		
NS	NET SQUARE FOOTAGE		
NSF	NOT TO SCALE		
NTS	NUMBER		
NUM			

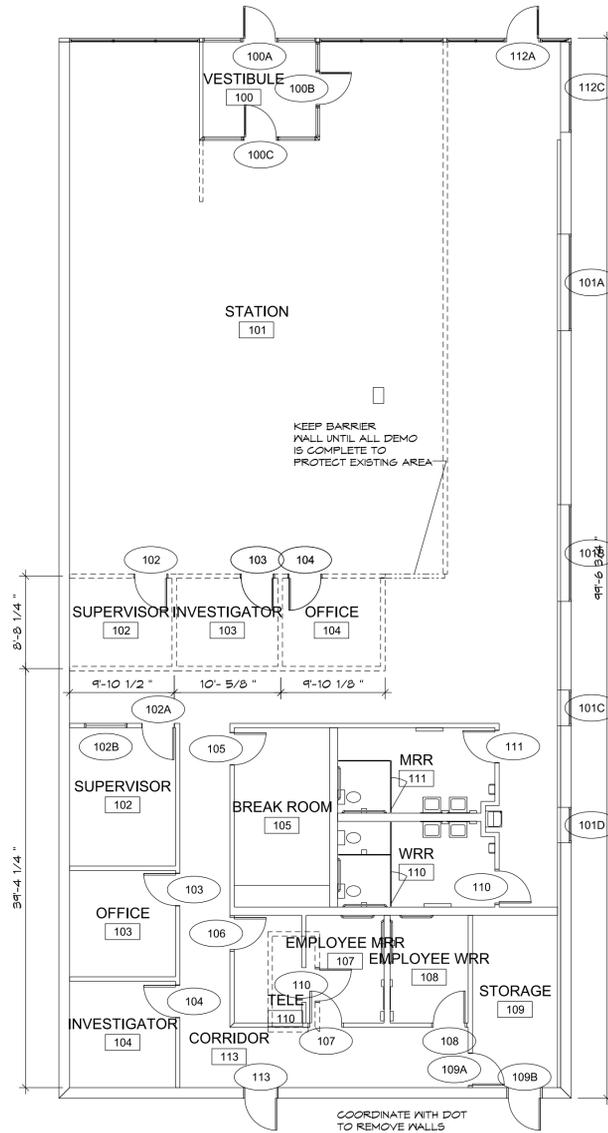
GENERAL NOTES:

1. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (AIA DOCUMENT A201 LATEST EDITION) WILL APPLY TO THIS CONTRACT
2. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONAL INFORMATION
3. THE CONTRACTOR SHALL REVIEW PLANS AND THE AREA OF CONSTRUCTION CAREFULLY TO ENSURE FULL UNDERSTANDING OF EXACT SCOPE OF WORK
4. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD AND NOTIFY THE DESIGNER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY WORK. NO CHANGES SHALL BE MADE TO ANY PLAN WITHOUT PRIOR COMMENT OF THE DESIGNER
5. THE CONTRACTOR SHALL FURNISH A SYSTEM OF TEMPORARY LIGHTS AND WATER THROUGHOUT THE SPACE UNDER CONSTRUCTION, IF REQUIRED
6. THE CONTRACTOR SHALL REMOVE FROM THE BUILDING ALL RUBBISH AND WASTE MATERIALS FOR WORK
7. ALL DRAWINGS AND CONSTRUCTION NOTES ARE COMPLEMENTARY AND WHAT IS CALLED FOR BY ONE WILL BE AS BINDING AS IF CALLED BY ALL
8. THE CONTRACTOR SHALL OBTAIN FULL KNOWLEDGE BY PERSONAL AND CAREFUL EXAMINATION OF ALL EXISTING CONDITIONS AT THE SITE AND OF ALL REQUIREMENTS OF THE SPECIFICATIONS AND DRAWINGS. THE CONTRACTOR HEREBY ACCEPTS ALL SUCH CONDITIONS AND REQUIREMENTS AND HEREBY ASSUMES ALL RESPONSIBILITY AND COSTS RESULTING FROM HIM/HER FAILURE TO OBTAIN KNOWLEDGE OF THEM
9. WHERE THE TERM "OR EQUAL" IS USED IN SPECIFICATIONS, IT SHALL BE UNDERSTOOD THAT THE REFERENCE IS MADE TO THE RULING AND JUDGEMENT OF THE DESIGNER AND SHALL BE SUBMITTED TO THE DESIGNER FOR REVIEW PRIOR TO SUBSTITUTION CUT OFF DATE

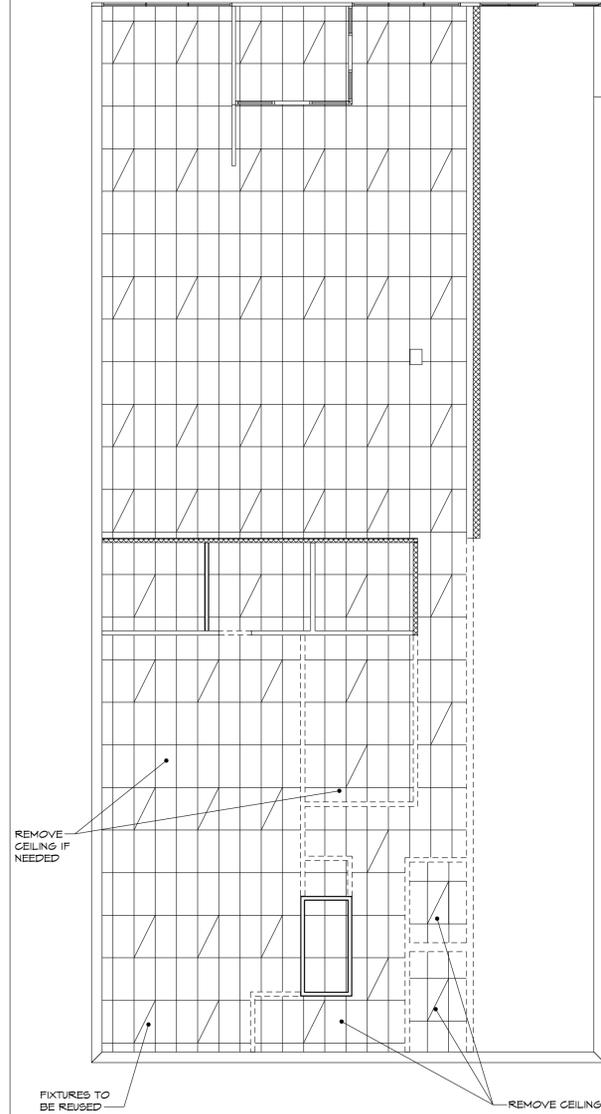
DISTRICT: 01
 COUNTY: STORY
 AMES, IOWA
 PROJECT NUMBER: BG-3A35(004)-80-85
 AMES DL REMODEL
 GENERAL NOTES, ABBREVIATIONS, & LEGENDS
 IOWADOT
 SMARTER SIMPLER CUSTOMER DRIVEN
 OFFICE OF SUPPORT SERVICES
 800 LINCOLN WAY
 AMES, IOWA 50010 (515) 239-1299
 DATE: OCT 2016
 DRAWN BY: A SMELSER
 APPROVED: J BURNES
 REVISIONS:
 01 SHEET OF 10
 A-0



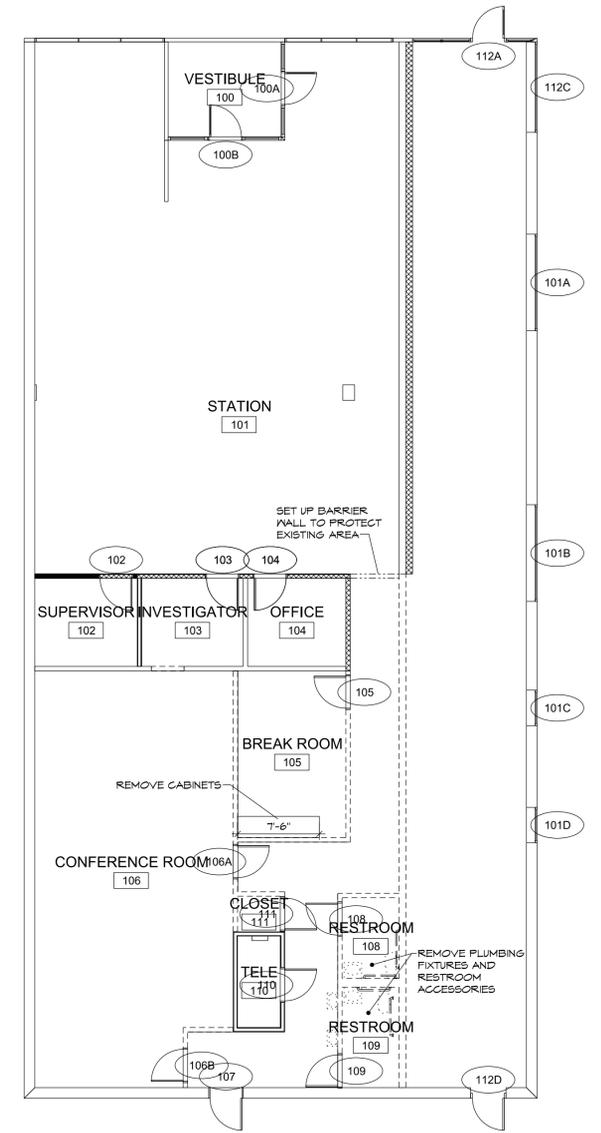
DEMOLITION REFLECTED CEILING PLAN PHASE 2
SCALE: 1/8"=1'-0"



DEMOLITION PLAN PHASE 2
SCALE: 1/8"=1'-0"



DEMOLITION REFLECTED CEILING PLAN PHASE 2
SCALE: 1/8"=1'-0"



DEMOLITION PLAN PHASE 1
SCALE: 1/8"=1'-0"

- NOTES:**
- DEMOLITION OF WALL BETWEEN NEW EXTERIOR WALL AND EXISTING TO BE DONE IN PHASES
 - SPRINKLER SYSTEM TO REMAIN IN PLACE DURING DEMOLITION; NOTIFY COMPANY FOR WORK TO BE DONE
 - REMOVAL OF COMMUNICATIONS SERVER RACKS AND ALL CABLING TO BE COORDINATED WITH AND DONE BY DOT
 - REMOVE ALL PLUMBING FIXTURES AND ACCESSORIES FROM RESTROOMS
 - REMOVE FLOORING FROM ALL ROOMS, FLOORING IN STATION 101 TO BE DONE ON MONDAYS AND OR WEEKENDS
 - DEMOLITION AND CONSTRUCTION TO BE PHASED TO ACCOMMODATE OWNER OPERATION WHILE WORK IS BEING DONE
 - CITY OF AMES PERMIT FOR CONSTRUCTION REQUIRED TO BE OBTAINED BY CONTRACTOR. FEES TO BE PAID BY DOT
 - NO CHANGE EXISTING EXTERIOR WINDOWS, DOORS, AND STOREFRONT EXCEPT DOOR 112D

DISTRICT: 01
COUNTY: STORY
STORY

AMES, IOWA

PROJECT NUMBER:
BG-3A35(004)-80-85

AMES DL REMODEL
DEMOLITION PLAN

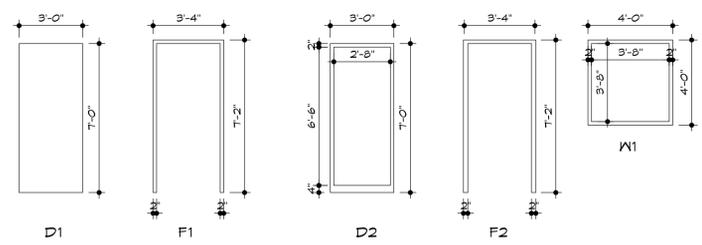
IOWADOT
SMARTER SIMPLER CUSTOMER DRIVEN
OFFICE OF SUPPORT SERVICES
800 LINCOLN WAY
AMES, IOWA 50010 (515)239-1299

DATE:
OCT 2016
DRAWN BY:
A SMELSER
APPROVED:
J BURNES
REVISIONS:

02 SHEET OF 10
A-1

DOOR, FRAME, & WINDOW SCHEDULE

NO.	SIZE		DOOR				FRAME				HARDWARE GROUP	REMARKS	
	W	H	TYPE	MATL	THK	GLZ	FINISH	TYPE	MATL	WIDTH			HEIGHT
100A													
100B													
101A													
101B													
101C													
101D													
101E													
101F													
102A	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 20
102B	3-8	3-8	W1	AL	1-3/4	44X44	AL	W1	AL	4-0	4-0	AL	---
103	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 20
104	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 20
105	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 20
106	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 5
107	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 5
108	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 20
109A	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 20
109B	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 41
110	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 1
111	3-0	7-0	D1	HM	1-3/4	---	PT-1	F1	HM	3-4	7-2	PT-2	HN 1
112A													
112B	3-0	7-0	D2	AL	1-3/4	32X78	AL	F2	AL	3-4	7-2	AL	HN 13
112C													
113													



DOOR AND FRAME ELEVATIONS

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

ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLR	BASE	WALLS			CLG	CLG HGT	REMARKS
				N	E	S			
100	VESTIBULE	F2	B1	W3	W3	W3	C1	11'-0"	PAIN GYP BD ABOVE AND BELOW STOREFRONT
101	STATION	F1	B1	W3	W1	W1	W2	C1	11'-0"
102	SUPERVISOR	F1	B1	W1	W1	W1	W2	C1	11'-0"
103	OFFICE	F1	B1	W1	W1	W1	W2	C1	11'-0"
104	INVESTIGATOR	F1	B1	W1	W1	W2	W2	C1	11'-0"
105	BREAK ROOM	F2	B1	W1	W1	W1	W1	C1	11'-0"
106	EMPLOYEE MRR	F2	B1	W1	W1	W1	W1	C1	11'-0"
107	EMPLOYEE MRR	F2	B1	W1	W1	W1	W1	C1	11'-0"
108	COMM CLOSET	F2	B1	W4	W4	W4	W1	C1	11'-0"
109	STORAGE	F2	B1	W1	W1	W1	W1	C1	11'-0"
110	MRR	F2	B1	W1	W1	W1	W1	C1	11'-0"
111	MRR	F2	B1	W1	W1	W1	W1	C1	11'-0"
112	VESTIBULE	F2	B1	W3	W3	W3	C1	11'-0"	PAIN GYP BD ABOVE AND BELOW STOREFRONT
113	CORRIDOR	F1	B1	W1	W1	W2	C1	11'-0"	

FLOORS:
 F1 CARPET TILE - LEES GET AROUND 418 DISTINGTIVE
 F2 VINYL TILE - PATOCRAFT METALLIX FACET ALUMINUM

BASES:
 B1 4" VINYL
 ROPPE 115 SLATE

WALLS:
 W1 GYP BD PAINTED
 W2 EXISTING WALL NO CHANGE
 W3 REPAIR DAMAGE FROM CONSTRUCTION, PAINT COLOR SHOWN ON PLANS
 W4 TAPED GYP BD WITH 3/4" PLYWOOD

CEILING:
 C1 ACOUSTIC TILE

CABINET EXTERIOR:
 FORMICA SMOKY BROWN 5488-NT NATURELLE FINISH

COUNTER TOP:
 FORMICA LIME STONE 1264-58

METAL DOOR JAMBS AND DOORS:
 PT - 1 SHERWIN WILLIAMS 1668
 PT - 2 SHERWIN WILLIAMS 1612

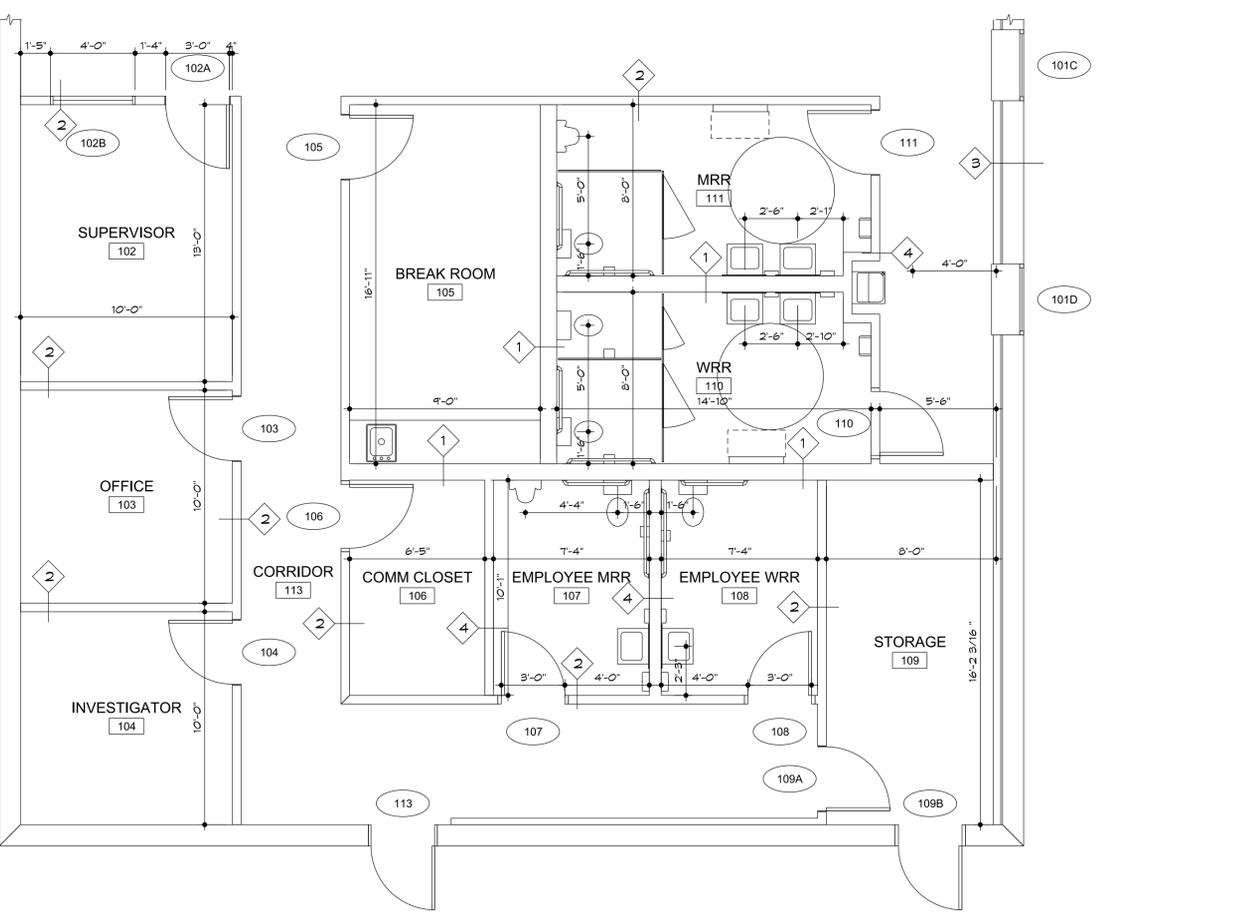
GYPSUM WALLS:
 PT - 1 SHERWIN WILLIAMS 1668
 PT - 2 SHERWIN WILLIAMS 1612
 PT - 3 SHERWIN WILLIAMS 6103
 PT - 4 SHERWIN WILLIAMS 1005

WINDOW SHADE SCHEDULE (ALL OPENINGS TO BE FIELD MEASURED PRIOR TO ORDER)

NO.	SIZE		% OPEN	COLOR	FASCIA	
	W	H			SIZE	COLOR
101A	4-1	5-10	3%	CHARCOAL	4"	DK BRONZE
101B	4-1	5-10	3%	CHARCOAL	4"	DK BRONZE
101C	3-4	5-10	3%	CHARCOAL	4"	DK BRONZE
101D	3-4	5-10	5%	CHARCOAL	4"	DK BRONZE
101E	12-3	7-10	5%	CHARCOAL	4"	DK BRONZE
101F	11-8	7-10	5%	CHARCOAL	4"	DK BRONZE

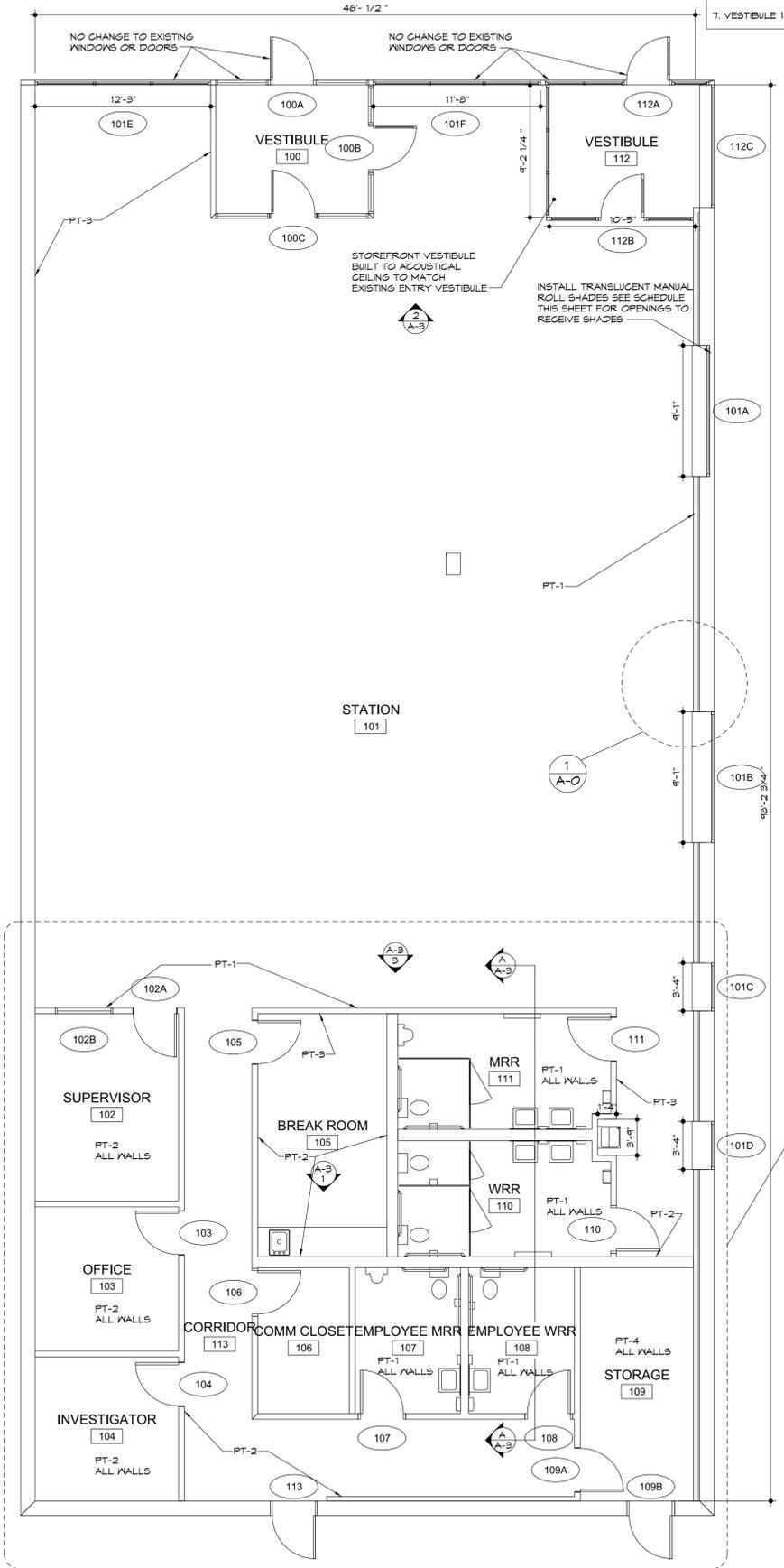
NOTES:

- INSTALL NEW CARPET TILES IN ASHLAR MONOLITHIC LAYOUT
- FLOOR PREP NEEDED IN ALL ROOMS
- REPAIR AND PAINT WALLS WHERE NOTED FROM DEMOLITION
- PATCH NEW CEILING INTO EXISTING
- CEILING TO REMAIN AT SAME HEIGHT
- DOOR 113 TO BE PAINTED
- VESTIBULE 112 TO BE BUILT AS LAST PHASE OF WORK



1 ENLARGED PLAN

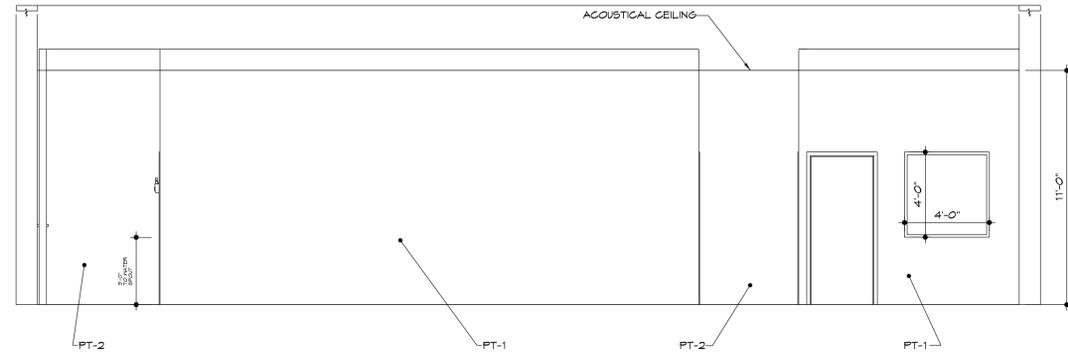
SCALE: 1/4"=1'-0"



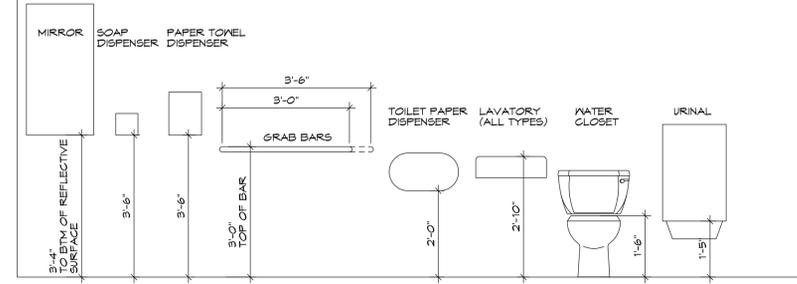
FLOOR PLAN

SCALE: 3/16"=1'-0"

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 03 SHEET OF 10
A-2



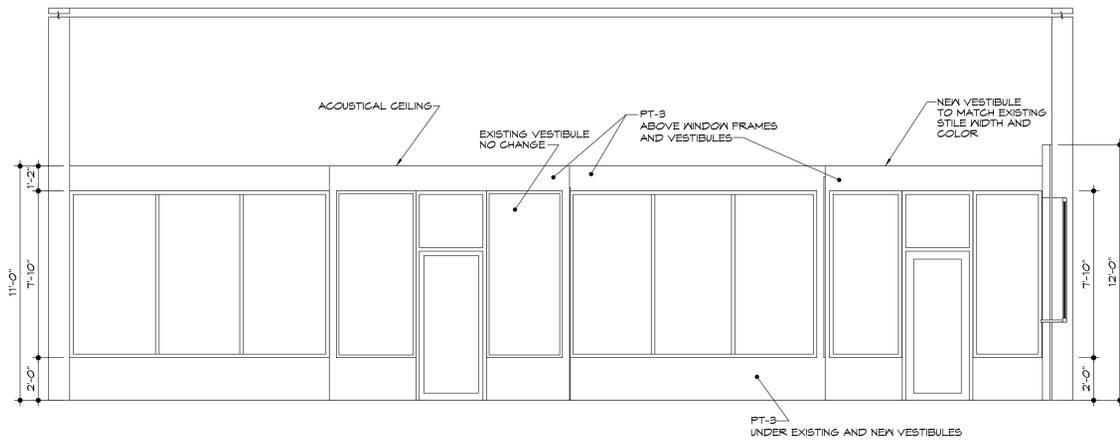
3 SOUTH ELEVATION
SCALE: 1/2"=1'-0"



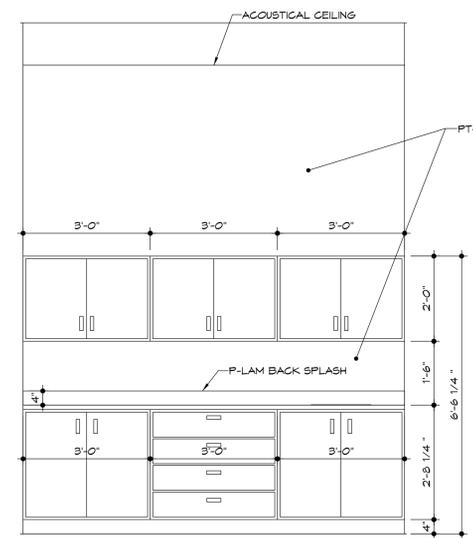
TYPICAL ADA MOUNTING HEIGHTS
SCALE: 1/2"=1'-0"

NOTES:
1. EXISTING ACOUSTICAL CEILING TO REMAIN AS MUCH AS POSSIBLE
2. SEE MECHANICAL SHEETS FOR HVAC LAYOUT

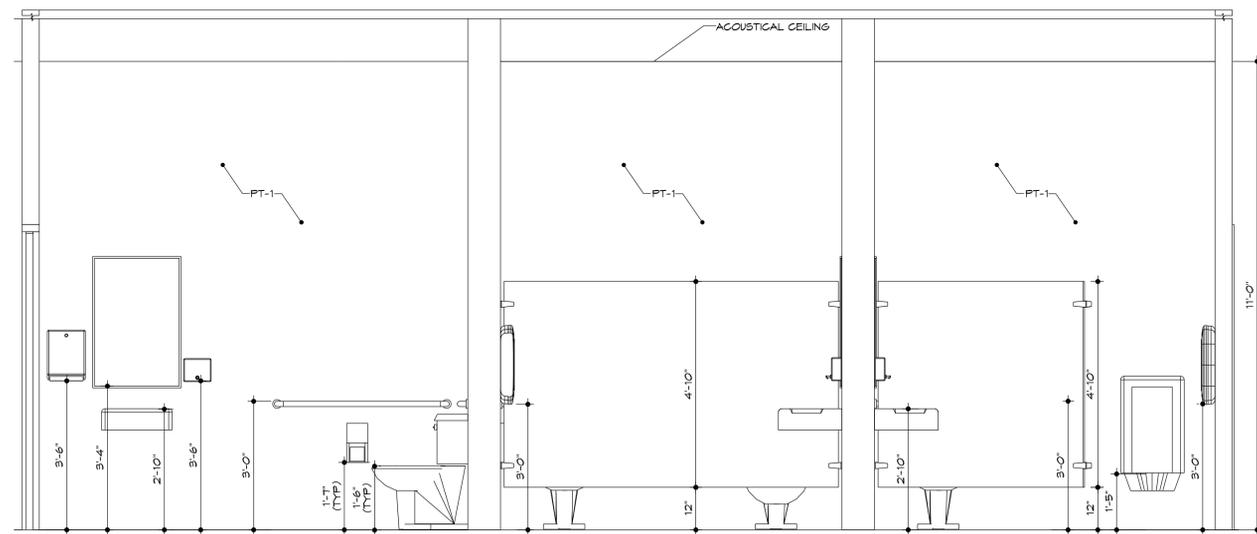
- KEY:**
- 2 X 4 CEILING TILE USG NO. 135 (MATCH EXISTING)
 - 2 X 4 FLUORESCENT LIGHT (MATCH EXISTING)
 - SUPPLY DIFFUSER
 - RETURN DIFFUSER
 - EXHAUST FAN
 - LINEAR DIFFUSER



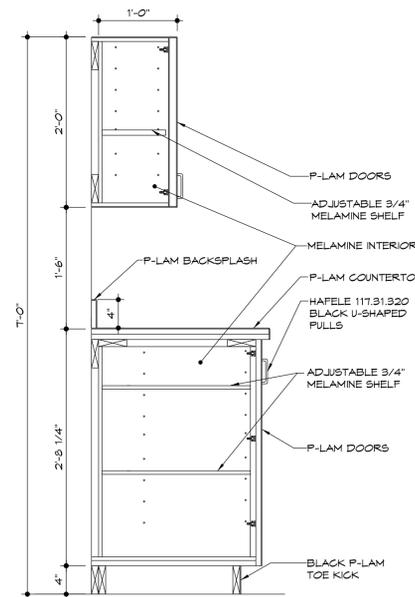
2 NORTH ELEVATION
SCALE: 1/2"=1'-0"



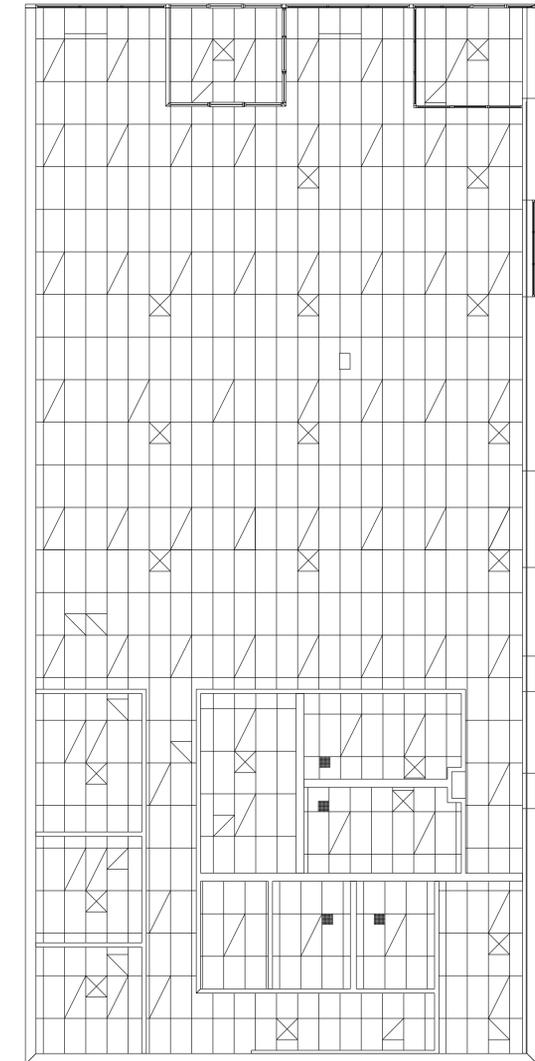
1 BREAK ROOM ELEVATION
SCALE: 1/2"=1'-0"



A RESTROOM SECTION
SCALE: 1/2"=1'-0"

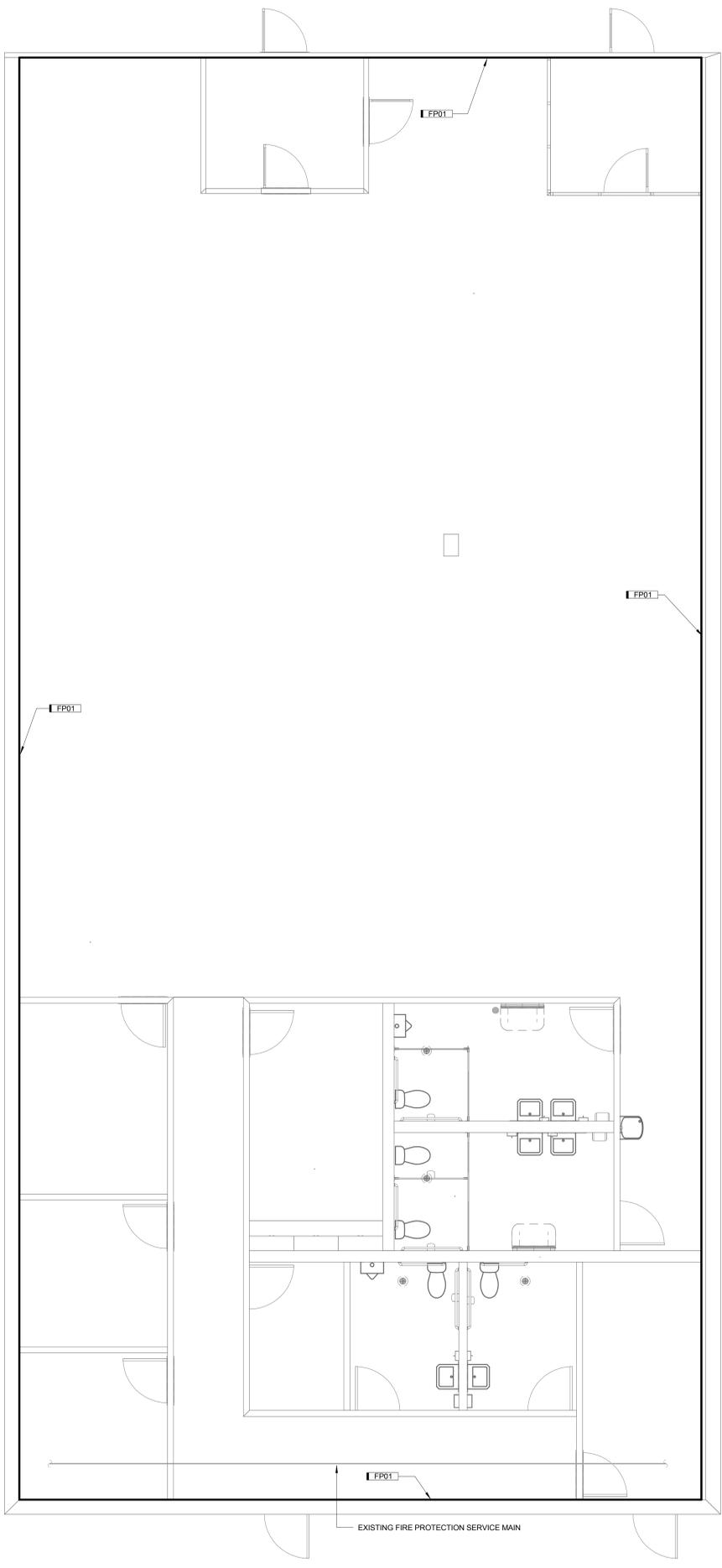


TYPICAL CABINET SECTION
SCALE: 1"=1'-0"



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

KEYNOTE LEGEND	
FP01	DEMO, RECONNECT, AND ADD TO EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO CONFIGURE SYSTEM FOR NEW FLOOR PLAN PER NFPA 13. MODIFY/RELOCATE SPRINKLER PIPING AS REQUIRED FOR INSTALLATION OF NEW WORK. COORDINATE WITH ALL TRADES. RELOCATE/ADD SPRINKLER HEADS AS REQUIRED FOR ALL AREAS WITH NEW CEILING LAYOUT. NEW HEADS TO MATCH EXISTING.



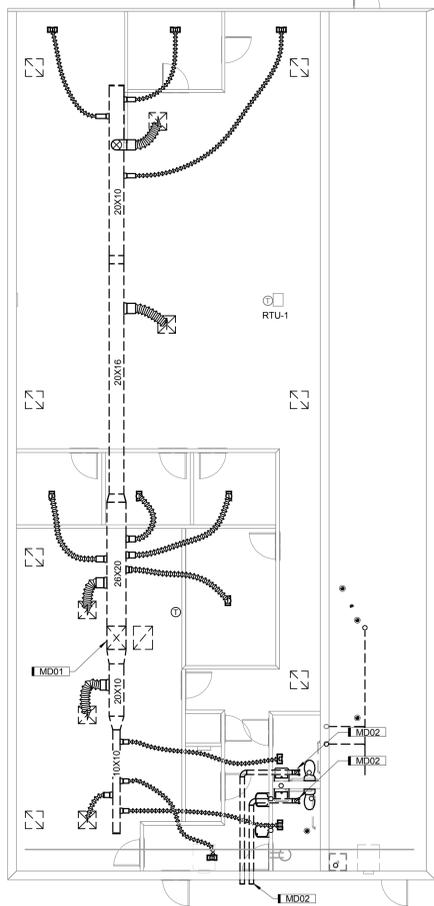
F6 FIRE PROTECTION PLAN
 1/4" = 1'-0"

1
2
3
4
5
6

1
2
3
4
5
6

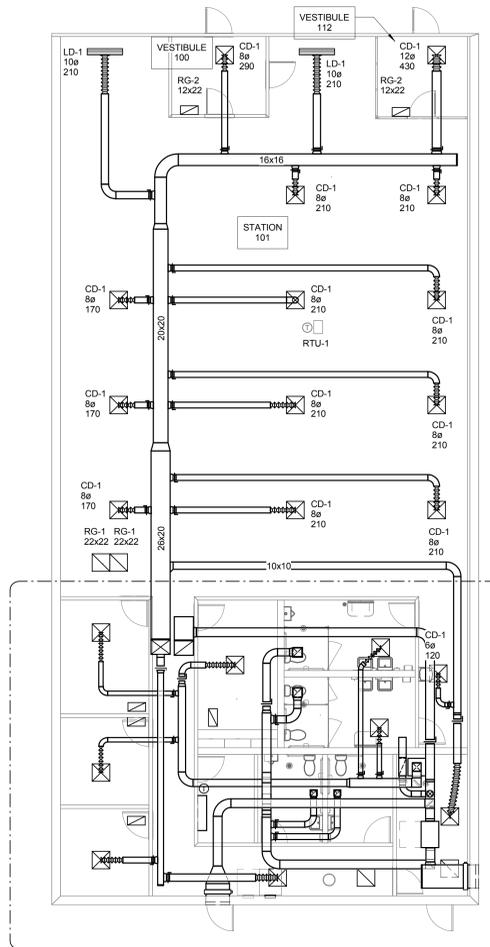
A B C D E F G H

A B C D E F G H

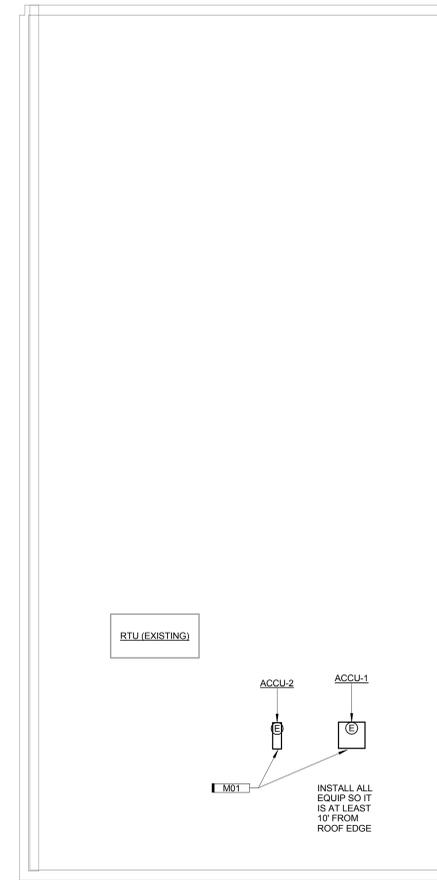


B4 MECHANICAL DEMOLITION PLAN
1/8" = 1'-0"

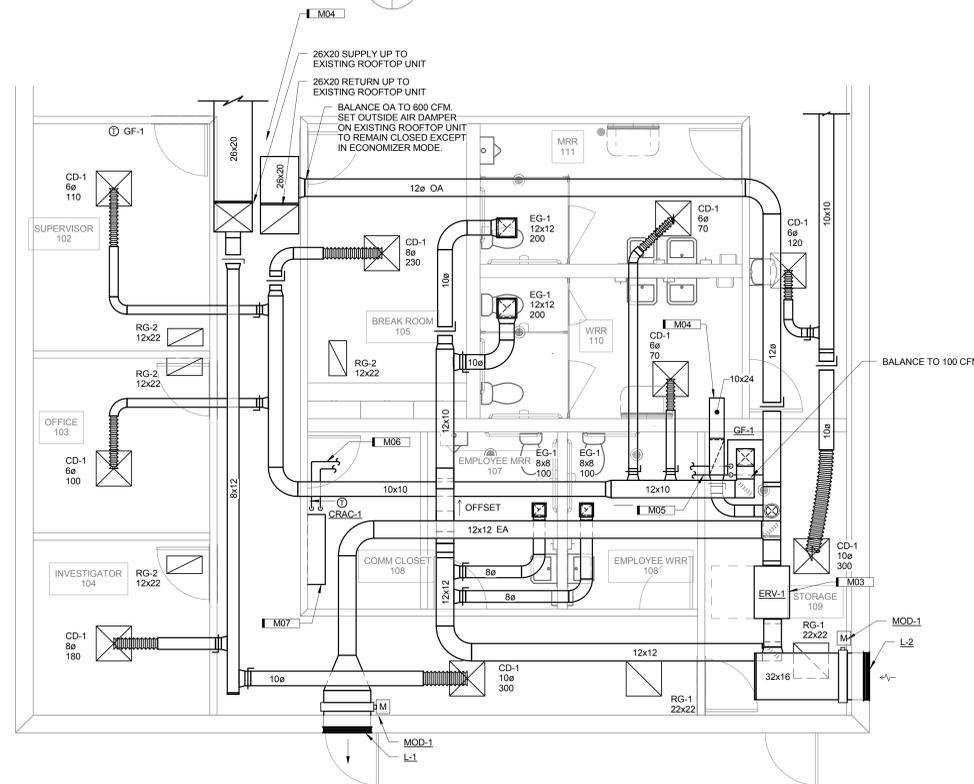
KEYNOTE LEGEND	
M01	INSTALL CONDENSING UNITS ON NEW ROOF RAILS. ACCU-2 SHALL BE A MINIMUM OF 12" ABOVE ROOF. MODIFY AND PATCH ROOFING AS REQUIRED.
M03	ERV UNIT ABOVE DROP CEILING. MAINTAIN ALL MANUFACTURER REQUIRED CLEARANCES.
M04	OPEN ENDED DUCT IN PLENUM SPACE.
M05	3/4" RS AND 3/8" RL BETWEEN FURNACE AND CONDENSING UNIT. REFRIGERANT PIPING SIZES ARE ESTIMATES. FINAL SIZING SHALL MEET MANUFACTURER'S WRITTEN RECOMMENDATIONS. SUPPORT AS REQUIRED.
M06	1/2" RS AND 1/4" RL BETWEEN SPLIT SYSTEM INDOOR UNIT AND CONDENSING UNIT. REFRIGERANT PIPING SIZES ARE ESTIMATES. FINAL SIZING SHALL MEET MANUFACTURER'S WRITTEN RECOMMENDATIONS. SUPPORT AS REQUIRED.
M07	INSTALL CRAC-1 AS HIGH AS POSSIBLE BELOW DROP CEILING. ROUTE CONDENSATE ABOVE CEILING TO FLOOR DRAIN NEXT TO FURNACE.
MD01	RTU TO REMAIN. REMOVE DUCTWORK UP TO EXISTING RTU AND PREPARE FOR NEW CONNECTIONS.
MD02	REMOVE EXISTING RESTROOM EXHAUST FANS AND ALL ASSOCIATED DUCWORK. REMOVE EXTERIOR WALL CAPS AND PATCH.



D4 MECHANICAL PLAN
1/8" = 1'-0"



F4 MECHANICAL ROOF PLAN
1/8" = 1'-0"



E6 MECHANICAL ENLARGED PLAN
1/4" = 1'-0"

FURNACE - GAS SCHEDULE										
PLAN MARK	CFM	OA CFM	E.S.P. (IN. W.C.)	HEATING		BLOWER DATA			PHASE	DESIGN BASIS
				INPUT MBH	OUTPUT MBH	HP	VOLTS	AMPS		
GF-1	580	100	0.5	18	44	0.5	120	1	LENNOX EL296UH045	

- PROVIDE AND INSTALL CONDENSATE NEUTRALIZATION KIT AND ROUTE CONDENSATE TO FLOOR DRAIN.
- PROVIDE WITH DIRECT DRIVE VAV FAN AND 2-STAGE HEATING OPERATION.
- PROVIDE AND INSTALL 7-DAY PROGRAMMABLE THERMOSTAT.

COMPUTER ROOM AIR CONDITIONER SCHEDULE								
PLAN MARK	CFM	COOLING		ELECTRICAL		PHASE	DESIGN BASIS	REMARKS
		RATED MBH	EAT (°F)	FLA	VOLTS			
CRAC-1	380	1200	80	67	0.33	208	1	LENNOX EL296UH045

- POWERED BY OUTDOOR UNIT.
- COORDINATE FINAL LOCATION IN COMMUNICATION CLOSET WITH OWNER.
- MANUFACTURER TO PROVIDE DISCONNECT.
- MANUFACTURER TO PROVIDE CONDENSATE PUMP POWERED BY CRAC-1.

DIFFUSERS, REGISTERS, AND GRILLES SCHEDULE						
MARK	MATERIAL OF CONSTRUCTION	DESCRIPTION	BLOW PATTERN	FACTORY FINISH	DESIGN BASIS	REMARKS
CD-1	ALUMINUM	2'X2' LOUVER FACE	4-WAY	WHITE	TITUS TMS-AA	GENERAL SUPPLY
EG-1	ALUMINUM	1/2'X1/2'X1/2' EGGRATE	---	WHITE	TITUS 50F	EXHAUST
LD-1	ALUMINUM	(4) 1' SLOTS, 48" LONG	ADJ.	WHITE	TITUS ML-39	EXTERIOR WINDOWS
RG-1	ALUMINUM	1/2'X1/2'X1/2' EGGRATE	---	WHITE	TITUS 50F	RETURN
RG-2	ALUMINUM	1/2'X1/2'X1/2' EGGRATE	---	WHITE	TITUS 50F	RETURN

- COORDINATE MOUNTING STYLE WITH CEILING TYPE

LOUVER SCHEDULE								
MARK	CFM	SERVICE	DIMENSIONS			MAX PD (IN W.C.)	MAX FREE AREA VELOCITY (FPM)	DESIGN BASIS
			W	H	D			
L-1	600	EXHAUST	32	16	6	0.05	363	RUSKIN ELF6375DX
L-2	700	INTAKE	32	16	6	0.05	423	RUSKIN ELF6375DX

- PROVIDE BIRDSCREEN ON ALL LOUVERS
- COLOR BY ARCHITECT

MOTORIZED DAMPER SCHEDULE								
PLAN MARK	WIDTH (IN)	HEIGHT (IN)	SYSTEM SERVED	BLADE ORIENTATION	FAIL POSITION	MATERIAL	DESIGN AIRFLOW (CFM)	DESIGN BASIS
MOD-1	32	16	ERV-1	OPPOSED	CLOSED	ALUM	600	GREENHECK ICD-45
MOD-2	32	16	ERV-1	OPPOSED	CLOSED	ALUM	700	GREENHECK ICD-45

- ALL DAMPERS SHALL BE INSULATED AND LOW LEAKAGE (3CFMFT2 AT 1" WG)
- ALL ACTUATORS SHALL BE EXTERNALLY MOUNTED
- COORDINATE WIRING REQUIREMENTS WITH ELECTRICAL CONTRACTOR. ALL ACTUATORS SHALL BE LINE VOLTAGE. MOD-1 AND MOD-2 SHALL OPEN BEFORE ERV-1 BEGINS TO OPERATE. MOD-1 AND MOD-2 SHALL BE CLOSED TIGHT WHEN ERV-1 IS NOT IN OPERATION.

ENERGY RECOVERY VENTILATOR SCHEDULE																							
PLAN MARK	SERVICES	SUPPLY FAN DATA				EXHAUST FAN DATA				SUMMER OPERATION				WINTER OPERATION				ELECTRICAL DATA				DESIGN BASIS	REMARKS
		CFM	ESP IN W.C.	CFM	ESP IN W.C.	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	TOTAL REC MBH	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	TOTAL REC MBH	MCA	FLA PER MOTOR	MOC	VOLTS	PHASE			
ERV-1	GF-1 AND EXISTING ROOFTOP UNIT	700	0.50	600	0.50	95	76	81.7	69.4	18.6	-10	-10	43.1	36.5	48.8	18	4.8	15	208	1	RENEWAIRE HETXINH	XXX	

- MERV 8 FILTER FOR EXHAUST AND SUPPLY AIR.
- ROOM CONDITIONS: SUMMER 75° F DB, 50% RH; WINTER 70° F DB, 35% RH.
- MOTOR SHALL HAVE ECM BLOWER/MOTOR PACKAGE.
- UNIT AND ASSOCIATED MOTORIZED DAMPERS SHALL BE POWERED THROUGH MANUFACTURER PROVIDED DIGITAL TIME CLOCK.
- MANUFACTURER SHALL PROVIDE DISCONNECT.

AIR COOLED CONDENSING UNIT SCHEDULE													
PLAN MARK	NOMINAL COOLING MBH	COND AMBIENT AIR TEMP (°F)	REGRIG TYPE	EER				ELECTRICAL DATA				DESIGN BASIS	REMARKS
				SEER	MCA	MOC	VOLTS	PHASE	FLA	VOLTS	PHASE		
ACCU-1	18.0	95	410A	13.5	16	12.4	20	208	1	LENNOX			
ACCU-2	12.0	95	410A	10.1	15.2	13	15	208	1	LENNOX	NOTE 1		

- PROVIDE WITH ADVANCED WIND BAFFLE AND ALL OTHER ACCESSORIES FOR OPERATION TO -20° F.

DOMESTIC WATER EXPANSION TANK SCHEDULE					
PLAN MARK	SYSTEM SERVED	TYPE	TANK CAPACITY (GAL.)	TANK CAPACITY (GAL.)	DESIGN BASIS
ET-1	DOMESTIC HOT WATER	BUTYL BLADDER	2.1	1.48	WATTS PLT-5 SERIES

- SET AIR CHARGE TO SYSTEM PRESSURE.

LINE WEIGHTS

DEMOLITION

APPLIES TO MD SHEETS

BOLD DASHED LINES INDICATE EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC. TO BE REMOVED THIS CONTRACT UNLESS NOTED OTHERWISE.

LIGHT SOLID LINES INDICATE EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC. TO REMAIN UNLESS NOTED OTHERWISE.

NEW WORK

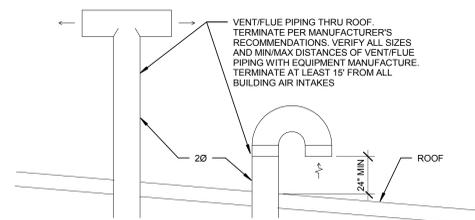
BOLD LINES INDICATE NEW EQUIPMENT, DUCTWORK, PIPING, ETC. THIS CONTRACT UNLESS NOTED OTHERWISE.

LIGHT SOLID LINES INDICATE EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC. TO REMAIN UNLESS NOTED OTHERWISE.

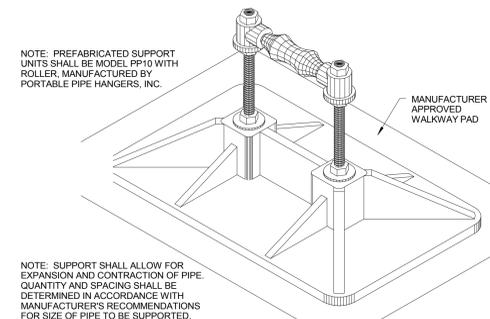
LINTEL SCHEDULE			
TYPE	MATERIAL	CONFIGURATION	REMARKS
L1	a. (2) L5x3 1/2x5/16		TYPICAL AT OPENINGS IN 8" CMU WALLS LESS THAN 4'-0" IN WIDTH

NOTES:

- MINIMUM BEARING FOR ALL LINTELS SHALL BE 8" EACH END UNLESS OTHERWISE NOTED.
- CMU WALLS SHALL BE GROUTED SOLID THREE COURSES BELOW LINTEL BEARING POINT AS A MINIMUM.
- SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF WALL OPENINGS.
- GALVANIZE ALL STEEL LINTELS AT EXTERIOR WALLS.
- GROUT (1) COURSE FULL ABOVE BOTTOM OR STEEL MASONRY LINTEL UNLESS OTHERWISE NOTED.
- BRICK SHALL NOT OVERHANG OVER THE EDGE OF LINTEL'S GREATER THAN 1/3 THE WIDTH OF BRICK (1 3/16" FOR STANDARD 3 5/8" WIDTH BRICK).
- FOR LINTELS REQUIRED AT OPENINGS DIFFERENT THAN ABOVE, CONTACT STRUCTURAL ENGINEER.
- FOR ALL LINTELS IN EXISTING WALLS, REMOVE EXISTING CMUBRICK AS REQUIRED FOR LINTEL INSTALLATION. SHORE EXISTING CMUBRICK. PATCH CMUBRICK AS REQUIRED.

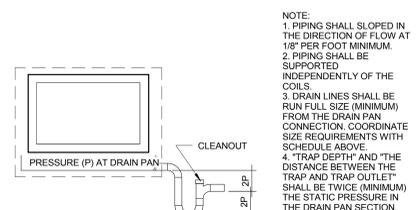


F3 FURNACE VENT AND FLUE THRU ROOF DETAIL
NOT TO SCALE

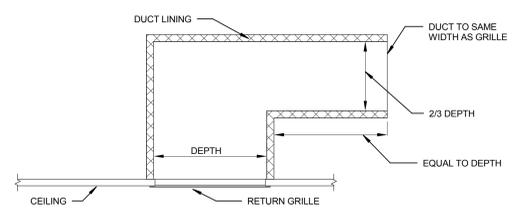


D4 ROOF PIPE STAND DETAIL
NOT TO SCALE

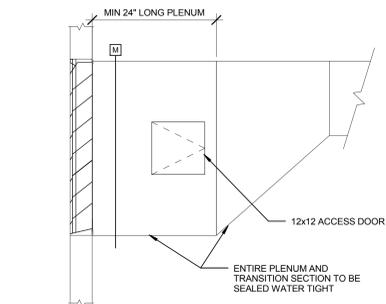
CONDENSATE DRAIN PIPE SCHEDULE		
MINIMUM PIPE SIZE	EQUIPMENT CAPACITY	REMARKS
3/4"	UP TO 3 TONS OF REFRIGERATION	
1"	OVER 3 TONS AND UP TO 20 TONS OF REFRIGERATION	
1 1/4"	OVER 20 TONS AND UP TO 90 TONS OF REFRIGERATION	



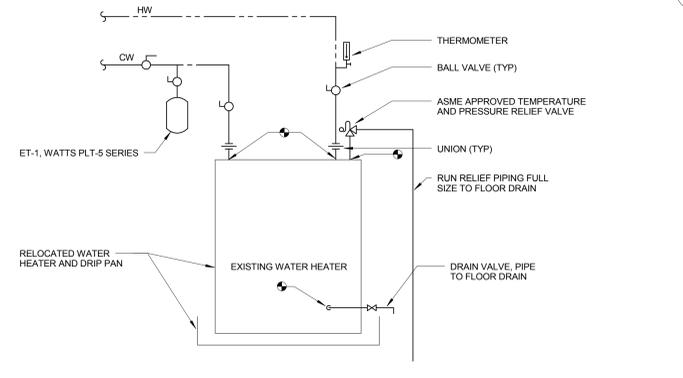
E5 DRAIN PAN PIPING DETAIL
NOT TO SCALE



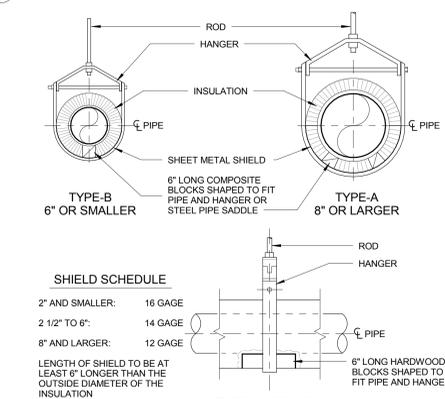
F5 FREE AIR RETURN GRILLE
NOT TO SCALE



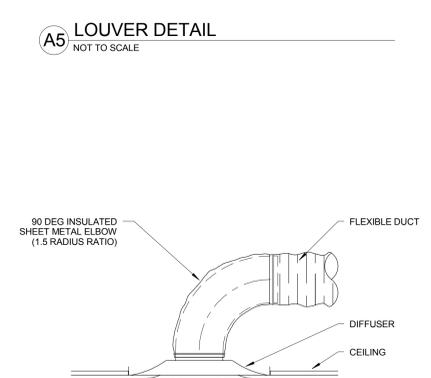
A5 LOUVER DETAIL
NOT TO SCALE



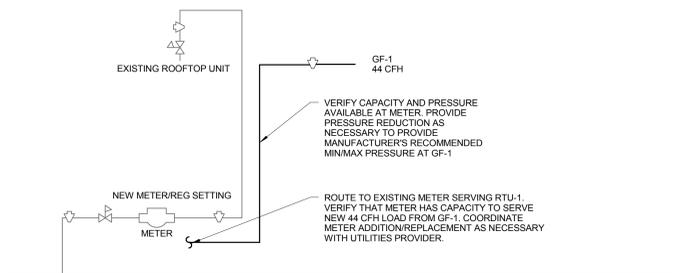
C5 ELECTRIC WATER HEATER PIPING DETAIL
NOT TO SCALE



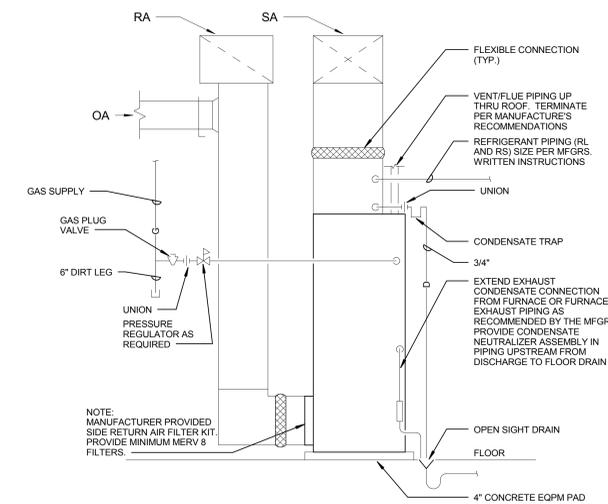
E6 INSULATED PIPE HANGER DETAIL
NOT TO SCALE



A6 DIFFUSER CONNECTION DETAIL
NOT TO SCALE



B6 GAS PIPING SCHEMATIC
NOT TO SCALE



F6 FURNACE DETAIL
NOT TO SCALE

DEMOLITION GENERAL NOTES

- A. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.
- B. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUITS TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.
- C. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- D. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/ DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/ DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- E. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
- F. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUITS.
- G. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

GENERAL ELECTRICAL NOTES

- A. ALL CONDUCTORS OPERATING AT 80 VOLTS OR GREATER SHALL BE IN RACEWAY. ALL RACEWAY WITHIN THE STRUCTURE ABOVE THE FLOOR SLAB SHALL BE METAL. RACEWAY BELOW THE FLOOR SLAB AND UNDERGROUND RACEWAY OUTSIDE THE STRUCTURE SHALL BE PVC.
- B. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS. SEE ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ELECTRICAL DEVICES AT PATIENT BED HEADWALLS.
- C. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH #6 LONG FLEXIBLE METAL CONDUIT.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR WRITING ALL ELECTRICAL ITEMS SHOWN ON THE DRAWINGS. EXCEPT ITEMS LISTED IN NOTE G.
- E. TELEPHONE OUTLETS AND DATA OUTLETS SHALL CONSIST OF A BACK BOX WITH CONDUIT STUBBED ABOVE THE ACCESSIBLE CEILING. VERIFY SIZE OF BACK BOX REQUIRED WITH DEVICE TO BE INSTALLED. LOCATE BACK BOXES 6" FROM ADJACENT POWER RECEPTACLE INTENDED FOR COMPUTER USE.
- F. FURNISH AND INSTALL CONDUIT FROM BACK BOXES FOR THE FOLLOWING DEVICES OTHERWISE:
 3/4" TELEPHONE OUTLETS
 3/4" INFORMATION OUTLETS

ELECTRICAL SYMBOL LEGEND

HT/AFF	SYMBOL	DESCRIPTION	HT/AFF	SYMBOL	DESCRIPTION	HT/AFF	SYMBOL	DESCRIPTION
AS NOTED		SURFACE INCANDESCENT LIGHT (TYPE DENOTED)	18"		MULTIOUTLET ASSEMBLY (TYPE DENOTED)			CONDUIT CONCEALED IN WALL OR OVERHEAD
AS NOTED		SURFACE H.I.D. LIGHT (TYPE DENOTED)	18"		MULTIOUTLET ASSEMBLY (TYPE DENOTED)			CONDUIT CONCEALED BELOW FLOOR
AS NOTED		WALL MOUNTED FLOODLIGHT (TYPE DENOTED)	84"		CLOCK (TYPE DENOTED)			CONDUIT EXPOSED
PER SCHED		RECESSED LIGHT (TYPE DENOTED)			POWER POLE (OPEN OFFICE STYLE)			SURFACE RACEWAY
PER SCHED		POLE MOUNTED LIGHT (TYPE DENOTED)			SURGERY SERVICE COLUMN			CONDUIT TRANSITION UP
PER SCHED		POLE MOUNTED FLOODLIGHT (TYPE DENOTED)			STATIC GROUND RECEPTACLE (TYPE DENOTED)			CONDUIT TRANSITION DOWN
AS NOTED		SURFACE FLUORESCENT LIGHT (TYPE DENOTED)			LIGHTNING PROTECTION CONDUCTOR SPLICE			LOW VOLTAGE POWER WIRING
AS NOTED		SUSPENDED OR PENDANT LIGHT (TYPE DENOTED)			GROUND ROD (PLAN VIEW)			EXISTING CONDUIT
AS NOTED		RECESSED FLUORESCENT LIGHT (TYPE DENOTED)			GROUND CONNECTION TO STEEL OR STRUCTURE			UNDERGROUND ELECTRICAL
AS NOTED		FLUORESCENT STRIP LIGHT (TYPE DENOTED)			GROUND CONNECTION - EXOTHERMIC WELD			UNDERGROUND HIGH VOLTAGE ELECTRICAL
AS NOTED		TRACK AND TRACK LIGHT (TYPE DENOTED)			UTILITY SERVICE POWER POLE (SITE)			UNDERGROUND TELEPHONE
AS NOTED		EMERGENCY BATTERY LIGHT (TYPE DENOTED)			SPECIAL RECEPT. OR CONN. (SEE SCHEDULE)			UNDERGROUND COMMUNICATIONS
AS NOTED		EXIT SIGN (TYPE DENOTED)			SPECIAL CONNECTION (SEE SCHEDULE)			UNDERGROUND CABLE TELEVISION (CATV OR CCTV)
48"		SINGLE POLE SW.	AS NOTED		JUNCTION BOX			UNDERGROUND FIBER OPTIC
48"		2 POLE SINGLE THROW SW.	72"		PULL BOX			OVERHEAD ELECTRIC
48"		3-WAY SW.	72"		CIRCUIT BREAKER PANEL			OVERHEAD TELEPHONE
48"		4-WAY SW.	72"		POWER OR DISTRIBUTION PANEL			BRANCH CIRCUIT HOME RUN
18"		SINGLE RECEPT.	72"		SPECIAL CABINET (TYPE DENOTED)			FLEXIBLE CONDUIT OR FIXTURE WHP
18"		DUPLEX RECEPT.	72"		TRANSFORMER (TYPE DENOTED)			UNDERFLOOR RACEWAY SYSTEM
18"		SPLIT DUPLEX RECEPT.	72"		GENERATOR (KVA DENOTED)			CABLE TRAY (TYPE DENOTED)
18"		ISOLATED GROUND RECEPT. (DUPLEX SHOWN)	72"		MOTOR (SEE SCHEDULE)			CONDUIT SLEEVE (SIZE DENOTED)
18"		RECEPT. ON EMERGENCY CKT. (DUPLEX SHOWN)	48"		DAMPER MOTOR			TELEPHONE OUTLET (TYPE DENOTED)
18"		FOURPLEX RECEPT.	72"		MANUAL MTR. STR. (NON-FUSED)			WALL TELEPHONE OUTLET (TYPE DENOTED)
18"		FOURPLEX RECEPTACLE ON EMERGENCY CIRCUIT	72"		HAC MOTOR STARTER OR CONTACTOR			INFORMATION OUTLET (TYPE DENOTED)
18"		FLOOR RECEPT. (DUPLEX SHOWN)	72"		COMB. MOTOR STARTER (NON-FUSED)			INTERCOM OUTLET LOCATION
AS NOTED		RECEPT. ON DROP CORD (DUPLEX SHOWN)	72"		COMB. MOTOR STARTER (FUSED)			TELEVISION OUTLET
AS NOTED		RECEPT. ON CORD REEL (DUPLEX SHOWN)	72"		SAFETY DISC. SW. (NON-FUSED)			MULTIPLE SERVICE OUTLET (TYPE DENOTED)
AS NOTED		EQUIPMENT PLUG	72"		SAFETY DISC. SW. (FUSED)			MULTIPLE SERVICE FLR OUTLET (TYPE DENOTED)
			AS NOTED		BUS DUCT WITH PLUG IN DISCONNECT (FUSED)			WALL DICTATION OUTLET LOCATION
			72"		VARIABLE FREQUENCY DRIVE			HORN TYPE SPEAKER
			72"		RELAY			SURFACE MT. SPEAKER SUSPENDED FROM CEILING
			72"		ENCLOSED CIRCUIT BREAKER			VOLUME CONTROL
			AS NOTED		PRESSURE SWITCH			MICROPHONE OUTLET
			AS NOTED		FLOAT SWITCH			PROJECTOR CONTROL OUTLET
			AS NOTED		OCCUPANCY SENSOR - TYPE DENOTED			ANTENNA
			AS NOTED		LIGHT LEVEL SENSOR - TYPE DENOTED			WEATHERHEAD
			AS NOTED		PHOTOCELL			KEYED NOTE (SEE SCHEDULE)
			48"		TIME CONTROL SWITCH (TIME SWITCH)			
			48"		HUMISTAT			
			48"		THERMOSTAT			
			PER SCHED		BASEBOARD HEATER (TYPE DENOTED)			
			PER SCHED		WALL HEATER (TYPE DENOTED)			
			PER SCHED		HAND OR HAIR DRYER (TYPE DENOTED)			
					SOLENOID VALVE			
					DASHED SYMBOL INDICATES EXISTING			
					HATCHED SYMBOL INDICATES REMOVED			

ALL DISTANCES ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS OTHERWISE NOTED. DEVICES INDICATED AT 48" MAY NOT BE INSTALLED WITH ANY OPERABLE PART HIGHER THAN 48". DEVICES MAY BE INSTALLED IN CONCRETE MASONRY UNITS WITH THE TOP OF THE DEVICE AT 48".
 ** DISTANCE ABOVE TOP OF DOOR FRAME ** DISTANCE TO TOP OF EQUIPMENT OR DEVICE *** DISTANCE TO HIGHEST OPERABLE PART OF EQUIPMENT

MECHANICAL EQUIPMENT SCHEDULE

PLAN MARK	DESCRIPTION	HP/KW	VOLT/PH	FLA	C/B	CONDUIT, WIRE SIZE	DISC.	NOTES
ACCU-1	AIR COOLED CONDENSING UNIT	208/1	3/9	20/2	3/4" C, 2#12, #12 GROUND	302 NF WP	2	
ACCU-2	AIR COOLED CONDENSING UNIT	208/1	10.4	15/2	3/4" C, 2#12, #12 GROUND	302 NF WP	2	
CRAC-1	COMPUTER ROOM AIR CONDITIONER	208/1	0.3				1	
ERV-1	ENERGY RECOVERY VENTILATOR	208/1	9.6	15/2	3/4" C, 2#12, #12 GROUND	PWE	3	
GF-1	GAS FURNACE	1/2 HP	120/1	9.8	20/1	3/4" C, 2#12, #12 GROUND	SPSW	
MOD-1	MOTORIZED DAMPER		120/1				4	
MOD-2	MOTORIZED DAMPER		120/1				4	

KEY:
 FLA = FULL LOAD AMPS MCA = MIN. CIRCUIT AMPS C/B = CIRCUIT BREAKER VFD = VARIABLE FREQUENCY DRIVE
 WP=WEATHERPROOF SPSW = SINGLE POLE SWITCH F = FUSED NF = NON-FUSED REC = RECEPTACLE
 MMS=MANUAL MOTOR STARTER PWE = PROVIDED WITH EQUIPMENT MAG=MAGNETIC STARTER

NOTES:
 1. CRAC-1 IS ON THE SAME CIRCUIT AS ACCU-2.
 2. COORDINATE MOUNTING AND LOCATION REQUIREMENTS OF DISCONNECT WITH MECHANICAL CONTRACTOR.
 3. COORDINATE WIRING REQUIREMENTS OF DIGITAL TIMECLOCK. TIMECLOCK PROVIDED BY MANUFACTURER.
 4. DAMPERS FED THROUGH ERV-1 CIRCUIT. SAME CIRCUIT AS DIGITAL TIMECLOCK.

SEQUENCE OF OPERATION

Space Type	Rooms	ON:			OFF:			DIMMING:	ZONES:	EM LIGHTS:	NOTES:
		Man	Auto	AH TC	Manual	Auto	TC				
Office	Supervisor 102, Office 103, Investigator 104, Break room 105	X					X			1	
Toilet/Corridor	Corridor 101, Employee MRR 107, Employee WRR 108, WRR 110, MRR 111						X			1	
Storage	Storage 109	X					X			1	1

KEY:
 AH: AFTERHOURS Room shall have 2-hour max override switch.
 TC: TIMECLOCK Relay Panel timeclock shall turn lighting load on and off at programmed times.
 DL: DAYLIGHT Light fixtures shall be dimmed based on available daylight in space.
 SC: SCENES Indicates number of preset scenes, coordinate exact number of scenes with owner.

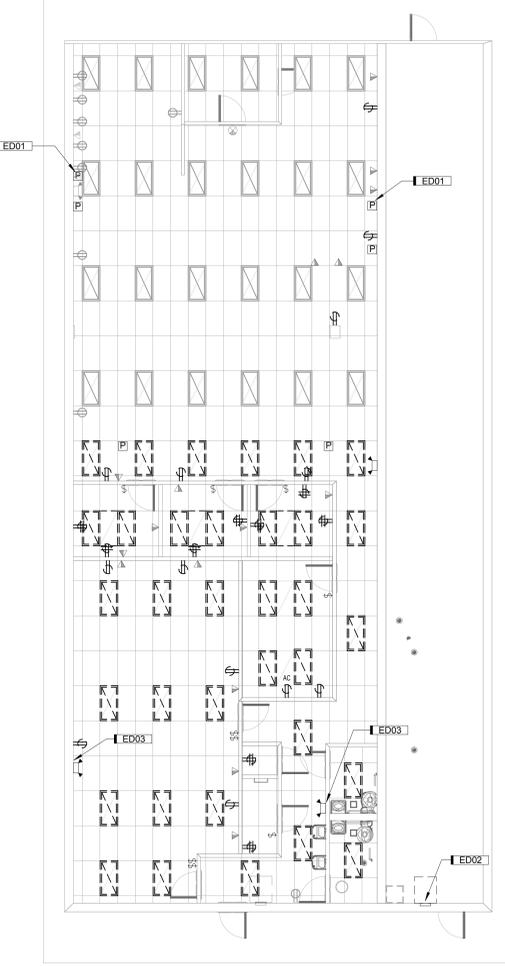
GENERAL NOTES:
 1. USE WALL-MOUNTED OCCUPANCY SENSOR SWITCH.

BRANCH PANEL NAME	VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING						
EXISTING...	120/208 Wye	3	4		200 A	10,000						
ROOM:						MOUNTING: RECESSED						
FED...:						ENCLOSURE: NEMA1						
						FEED:						
LOAD	CODE	POLE	BRK	CKT #	A	B	C	CKT #	BRK	POLE	CODE	LOAD
LTS - 24 HR	--	1	20 A	1	0.0 / 0.0			2	20 A	1	--	RECEPT - E WALL
LTS - FRONT ROW 3	--	1	20 A	3	0.0 / 0.0			4	20 A	1	--	RECEPT - W WALL
LTS - FRONT ROW 5	--	1	20 A	5			0.0 / 0.0	6	20 A	1	--	RECEPT - COMM ROOM
LTS - OFFICE	--	1	20 A	7	0.0 / 0.0			8	20 A	1	--	RECEPT - S WALL
LTS - CONFER ROOM	--	1	20 A	9	0.0 / 0.0			10	20 A	1	--	WATER COOLER
LTS - CONFER ROOM	--	1	20 A	11			0.0 / 0.0	12	20 A	1	--	RECEPT - ENTRY WAY FLOOR
EXIT LTS	--	1	20 A	13	0.0 / 0.0			14	20 A	1	--	RECEPT - ENTRY WAY FLOOR
LTS - FRONT ROW 1	--	1	20 A	15	0.0 / 0.0			16	20 A	1	--	SPARE
RECEPTS - GFCI BATHROOM	--	1	20 A	17			0.0 / 0.0	18				
EMERGENCY LTS	--	1	20 A	19	0.0 / 0.0			20	100 A	3	--	A/C
HOT WATER HEATER	--	1	20 A	21	0.0 / 0.0			22				
CANOPY SIGN	--	1	20 A	23			0.0 / 0.0	24	20 A	1	--	RECEPTS - BREAK ROOM
LTS - FRONT ROW 2	--	1	20 A	25	0.0 / 0.0			26	20 A	1	--	RECEPT - OFFICE
LTS - FRONT ROW 4	--	1	20 A	27	0.0 / 0.0			28	20 A	1	--	RECEPT - OFFICE
LTS - FRONT ROW 6	--	1	20 A	29			0.0 / 0.0	30	20 A	1	--	RECEPT - OFFICE
LTS - BREAK ROOM	--	1	20 A	31	0.0 / 0.0			32	20 A	1	--	POWER POLE *
LTS - HALLWAY	--	1	20 A	33	0.0 / 0.0			34	20 A	1	--	POWER POLE *
LTS - BATHROOM & FANS	--	1	20 A	35			0.0 / 0.0	36	20 A	1	--	POWER POLE *
POWER POLE	--	1	20 A	37	0.0 / 0.0			38	20 A	1	--	RECEPT - SWITCHED/TESTING
POWER POLE	--	1	20 A	39	0.0 / 0.0			40	20 A	1	--	GFI KITCHEN UNDER SINK
SECURITY PANEL	--	1	20 A	41			0.0 / 0.0	42	20 A	1	--	GFI KITCHEN UNDER SINK
TOTAL LOAD:			0 VA		0 VA		0 VA					
TOTAL AMPS:			0 A		0 A		0 A					
Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand (VA)	PANEL TOTALS								
				TOTAL CONN. LOAD: 0 VA								
				TOTAL EST. DEMAND: 0 VA								
				TOTAL CONN. CURRENT: 0 A								
				TOTAL EST. DEMAND... 0 A								

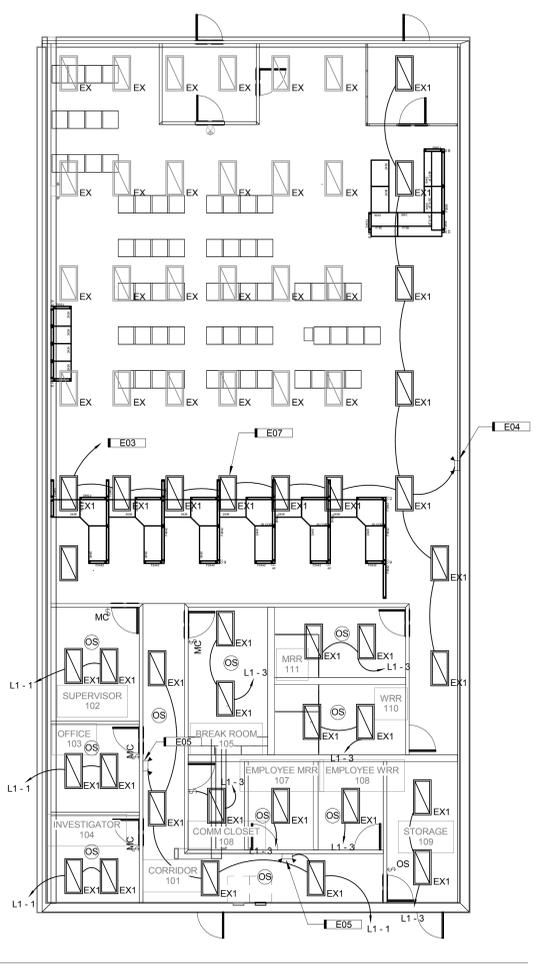
Notes:
 * REMOVE (3) EXISTING 20A/1P CIRCUIT BREAKERS. INSTALL A NEW 60A/3P CIRCUIT BREAKER TO FEED NEW PANEL L1. WIRING FOR POWER POLE CIRCUITS SHALL BE CONNECT TO (3) NEW 20A/1P CIRCUIT BREAKERS IN NEW PANEL L1.

BRANCH PANEL NAME	VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING						
L1	120/208 Wye	3	4		60 A	10,000 AMPS						
ROOM:						ENCLOSURE: NEMA1						
FED...:						FEED:						
LOAD	CODE	POLE	BRK	CKT #	A	B	C	CKT #	BRK	POLE	CODE	LOAD
OFFICE 102, 103, 104, CORR...	L	1	20 A	1	0.6 / 1.0			2	20 A	1	R	BREAK ROOM REFRIGERATOR
BREAK RM. RRS, STORAGE	L	1	20 A	3		0.6 / 1.2		4	20 A	1	R	BREAK ROOM MICROWAVE
OFFICE 102 RECEPT	R	1	20 A	5			0.7 / 0.7	6	20 A	1	R	BREAK ROOM CONV RECEPT
OFFICE 103 RECEPT	R	1	20 A	7	0.7 / 1.2			8	20 A	1	E	GF-1 STORAGE ROOM
OFFICE 104 RECEPT	R	1	20 A	9		0.7 / 1.0		10				
PUBLIC RR, EWC	R	1	20 A	11			0.5 / 1.0	12	15 A	2	E	ERV-1 STORAGE ROOM
STAFF RR, STORAGE ROOM	R	1	20 A	13	0.5 / 1.0			14				
EXISTING POWER POLE CKT *	--	1	20 A	15		0.0 / 1.0		16	20 A	2	E	ACCU-1 (ON ROOF)
EXISTING POWER POLE CKT *	--	1	20 A	17		0.0 / 1.1		18	15 A	2	E	ACCU-2 (ON ROOF), CRAC-1
EXISTING POWER POLE CKT *	--	1	20 A	19	0.0 / 1.1			20				

DRAWN:	Author
APPROVED:	Jay Bower
ISSUED FOR:	CONSTRUCTION
DATE:	10/04/2016
PROJECT NO:	41183310
FIELD BOOK	

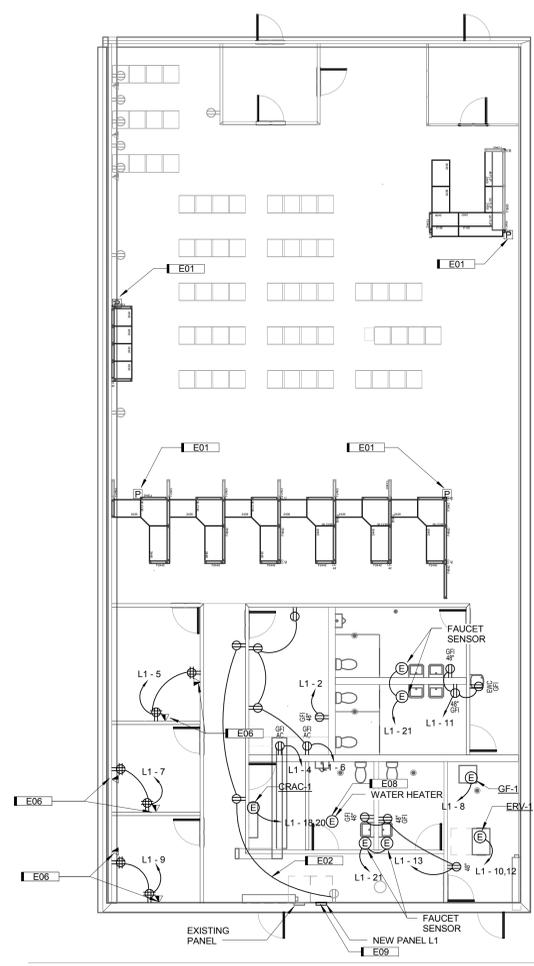


A4 01-Level 1-POWER DEMO
 1/8" = 1'-0"



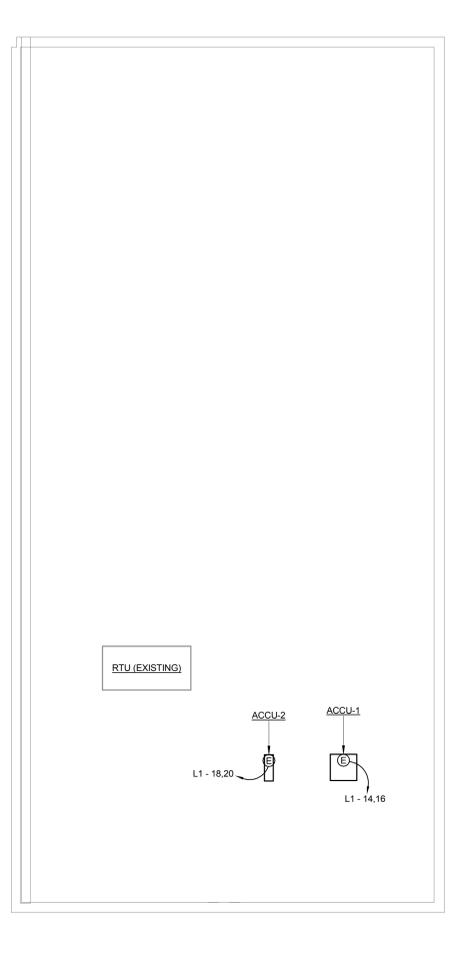
C4 01-Level 1-LIGHTING NEW
 1/8" = 1'-0"

- LIGHTING GENERAL SHEET NOTES**
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THIS DRAWING.
 - ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
 - CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT.
 - ANY MODIFICATIONS TO THE NUMBER, SIZE, AND TYPE OF WIRES OR CONDUITS FROM THOSE INDICATED ON THIS DRAWING ARE PROHIBITED.
 - PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.
 - USE #10 AWG CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET, UNLESS SPECIFICALLY INDICATED OTHERWISE. THIS SHALL BE REQUIRED FOR THE ENTIRE LENGTH OF THE CIRCUIT.



E4 01-Level 1-POWER NEW
 1/8" = 1'-0"

- POWER GENERAL SHEET NOTES**
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THIS DRAWING.
 - WHERE CONNECTED TO A 20A BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.
 - VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
 - CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT.
 - ANY MODIFICATIONS TO THE NUMBER, SIZE, AND TYPE OF WIRES OR CONDUITS FROM THOSE INDICATED ON THIS DRAWING ARE PROHIBITED.
 - USE #10 AWG CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET, UNLESS SPECIFICALLY INDICATED OTHERWISE. THIS SHALL BE REQUIRED FOR THE ENTIRE LENGTH OF THE CIRCUIT.



G4 ELECTRICAL ROOF PLAN
 1/8" = 1'-0"

KEYNOTE LEGEND

E01	EXISTING RELOCATED POWER POLE
E02	CONNECT TO EXISTING RECEPTACLE CIRCUIT
E03	CONNECT TO EXISTING LIGHTING CIRCUIT AND LIGHTING CONTROLS
E04	PROVIDE AND INSTALL NEW LED EMERGENCY LIGHT TO MATCH EXISTING IN SPACE. USE DUAL-LITE EV SERIES OR APPROVED EQUIVALENT.
E05	EXISTING EMERGENCY LIGHT RE-INSTALLED. CONNECTED TO NEARBY UNSWITCHED LIGHTING CIRCUIT.
E06	PROVIDE JUNCTION BOX AND EMPTY 3/4" CONDUIT TO ABOVE CEILING. DATA CABLING BY OWNER.
E07	ALL EX1 LIGHT FIXTURES ARE EXISTING LIGHT FIXTURES TO BE RE-INSTALLED IN NEW LOCATIONS AS SHOWN.
E08	RELOCATED EXISTING WATER HEATER. PROVIDE NEW WIRING (2#12, #12 GROUND) FROM EXISTING PANEL BOARD CIRCUIT BREAKER TO THIS NEW LOCATION.
E09	PROVIDE NEW MLO 120V/208V/3 LOAD CENTER FED FROM EXISTING PANEL.
ED01	REMOVE POWER POLE AND SAVE FOR RE-INSTALLATION AT NEW LOCATION. COORDINATE EXACT LOCATIONS WITH OWNER.
ED02	DEMOLISH EXISTING PANEL.
ED03	SAVE FOR RE-INSTALLATION.