

McKAY-DEE HOME CARE CLINIC

4421 HARRISON BLVD, SUITE #A1, OGDEN, UT 84403

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CODE ANALYSIS

APPLICABLE CODES		
	Year	Year
International Building Code	2015	2014
International Mechanical Code	2015	Uniform Code for Building Conservation
International Plumbing Code	2015	N.A.
International Fire Code	2015	ADA Accessibility Guidelines-ANSI A117.1
International Energy Conservation Code	2015	2010

- A. Occupancy and Group: B
 EXISTING
 Change in Use: Yes No Mixed Occupancy: Yes No
 Special Use and Occupancy (e.g. High Rise, Covered Mall): N.A.
- B. Seismic Design Category: - Design Wind Speed: - MPH
- C. Type of Construction (circle one):
 I A I B II A II B III A III B IV HT V A **V B** EXISTING
- D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
 North: 0 South: 0 East: 0 West: 0
- E. Mixed Occupancies: - Nonseparated Uses: -
- F. Sprinklers Required: - Provided: - Type of Sprinkler System: N/A
- G. Number of Stories: 1 Building Height: EXISTING
- H. Actual Area per Floor (square feet): 4933 SF
- I. Tabular Area (Table 506): 9000 SF
- J. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0	N.A.	Floors - Ceiling Floors	0	N.A.
Interior Bearing Walls	0	N.A.	Roofs - Ceiling Roofs	0	N.A.
Exterior Non-Bearing Walls	0	N.A.	Exterior Doors and Windows	0	N.A.
Structural Frame	0	N.A.	Shaft Enclosures	0	N.A.
Partitions - Permanent	0	N.A.	Fire Walls	0	N.A.
Fire Barriers	0	N.A.	Fire Partitions	0	N.A.
			Smoke Partitions	0	N.A.

- K. Design Occupant Load: 42
 Exit Width Required: 32" Exit Width Provided: 36"
- L. Minimum Number of Required Plumbing Facilities:
- a) Water Closets - Required (m) 2 (f) 2 Provided (m) 2 (f) 2
 b) Lavatories - Required (m) 1 (f) 1 Provided (m) 2 (f) 2
 c) Bath Tubs or Showers: N/A
 d) Drinking Fountains: 1 Service Sinks: 1

PROJECT DIRECTORY

- OWNER: INTERMOUNTAIN HEALTHCARE
 4400 HARRISON BLVD.
 OGDEN, UTAH 84401
- ARCHITECT: BERTOLDI ARCHITECTS
 2726 HARRISON BLVD.
 OGDEN, UTAH 84403
 801.476.4330
- MECHANICAL: SPECTRUM ENGINEERS
 354 S. STATE STREET
 SUITE 400
 SALT LAKE CITY, UTAH 84111
- PLUMBING: SPECTRUM ENGINEERS
 354 S. STATE STREET
 SUITE 400
 SALT LAKE CITY, UTAH 84111
- ELECTRICAL: SPECTRUM ENGINEERS
 354 S. STATE STREET
 SUITE 400
 SALT LAKE CITY, UTAH 84111

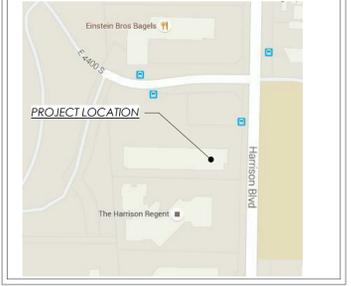
STANDARD ABBREVIATIONS

#	NUMBER	MECH.	MECHANICAL
@	AT	MFR.	MANUFACTURER
A.F.F.	ABOVE FINISHED FLOOR	MIN.	MINIMUM
ALUM.	ALUMINUM	MISC.	MISCELLANEOUS
APPROX.	APPROXIMATELY	MTL.	METAL
ARCH.	ARCHITECT/ARCHITECTURAL	N.I.C.	NOT IN CONTRACT
BLDG.	BUILDING	O.C.	ON CENTER
B.O.	BOTTOM OF	O.H.	OVERHEAD
C.M.U.	CONCRETE MASONRY UNIT	OPP.	OPPOSITE
COL.	COLUMN	PNT.	PAINT
CONC.	CONCRETE	PRE-FIN.	PRE-FINISHED
CONST.	CONSTRUCTION	PROJ.	PROJECT
CONT.	CONTINUOUS	QTY.	QUANTITY
COORD.	COORDINATE	RAD	RADIUS
DET.	DETAIL	REQ.	REQUIRED
DIA.	DIAMETER	RM.	ROOM
DWGS.	DRAWINGS	SCHED.	SCHEDULE
ELECT.	ELECTRICAL	SHI.	SHEET
EQ.	EQUAL	SIM.	SIMILAR
EXIST.	EXISTING	SPEC.	SPECIFICATIONS
EXT.	EXTERIOR	STRUCT.	STRUCTURAL
FDN.	FOUNDATION	S.F.	SQUARE FEET
F.F.	FINISH FLOOR	SQ. FT.	SQUARE FEET
F.V.	FIELD VERIFY	T.O.	TOP OF
GW.B.	GYPSPUM WALL BOARD	T.O.F.	TOP OF FOOTING
H.M.	HOLLOW METAL	T.O.S.	TOP OF SLAB
HT.	HEIGHT	T.O.W.	TOP OF WALL
HVAC	HEATING/VENTILATION/AIR CONDITIONING	TYP.	TYPICAL
INSUL.	INSULATE	TFM	THERMOFUSED MELAMINE
INT.	INTERIOR	U.N.O.	UNLESS NOTED OTHERWISE
IBC	INTERNATIONAL BUILDING CODE	VCT	VINYL COMPOSITION TILE
LT. WT.	LIGHT WEIGHT	VEST.	VESTIBULE
MAINT.	MAINTENANCE	WD	WOOD
MAX.	MAXIMUM		
MAT.	MATERIAL		

STANDARD SYMBOLS

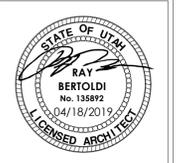
ELEVATION MARKER	NAME ELEVATION	DETAIL MARKER	1 SIM A101
EXTERIOR ELEVATION	A101	CEILING MARKER	11 1'-0" AFF
ROOM MARKER	Room name 101	DOOR MARKER	101
INTERIOR ELEVATION	1 Ref A101 1 Ref	WINDOW MARKER	11
SECTION MARKER	1 SIM A101	WALL TYPE MARKER	1A
		KEYNOTE MARKER	?

VICINITY MAP



GENERAL NOTES

- A. ALL WORK TO BE DONE SHALL BE IN COMPLIANCE WITH THE 2015 IBC. GENERAL CONTRACTORS SHALL COMPLY WITH ALL LOCAL BUILDING CODES AND ORDINANCES GOVERNING THIS WORK.
- B. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- C. GENERAL CONTRACTOR SHALL CLOSELY COORDINATE ALL TRADES TO EXPEDITE CONSTRUCTION AND ENFORCE THE HIGHEST QUALITY OF WORKMANSHIP OF THE INVOLVED TRADES.
- D. DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS. DO NOT SCALE THE DRAWINGS.
- E. ALL DIMENSIONS GIVEN ARE TO FACE OF STUD UNLESS OTHERWISE NOTED ON PLANS.
- F. MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION OF ALL MATERIALS AND EQUIPMENT SHALL BE FOLLOWED.
- G. SUB-CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL PORTIONS OF THE WORK INCLUDING DRAWINGS, SPECIFICATIONS AND ADDENDUMS.
- H. SUB-CONTRACTORS SHALL NOT PREPARE BIDS FROM PARTIAL SETS OF DRAWINGS.
- I. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS FOR CLARIFICATION; OTHERWISE THE CONTRACTOR SHALL ASSUME THE MOST RESTRICTIVE AND/OR COSTLY ALTERNATIVE.
- J. CONTRACTOR TO COORDINATE ALL WORK WITH OWNER'S VENDORS. SUBCONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.
- K. SECURE ALL REQUIRED PERMITS AND APPROVALS PRIOR TO ANY CONSTRUCTION.
- L. REFER TO ACCESSIBILITY DETAILS FOR MAXIMUM CLEARANCES AND REQUIREMENTS. GRAB BAR BACKING AS PER STATE, LOCAL AND FEDERAL CODES.

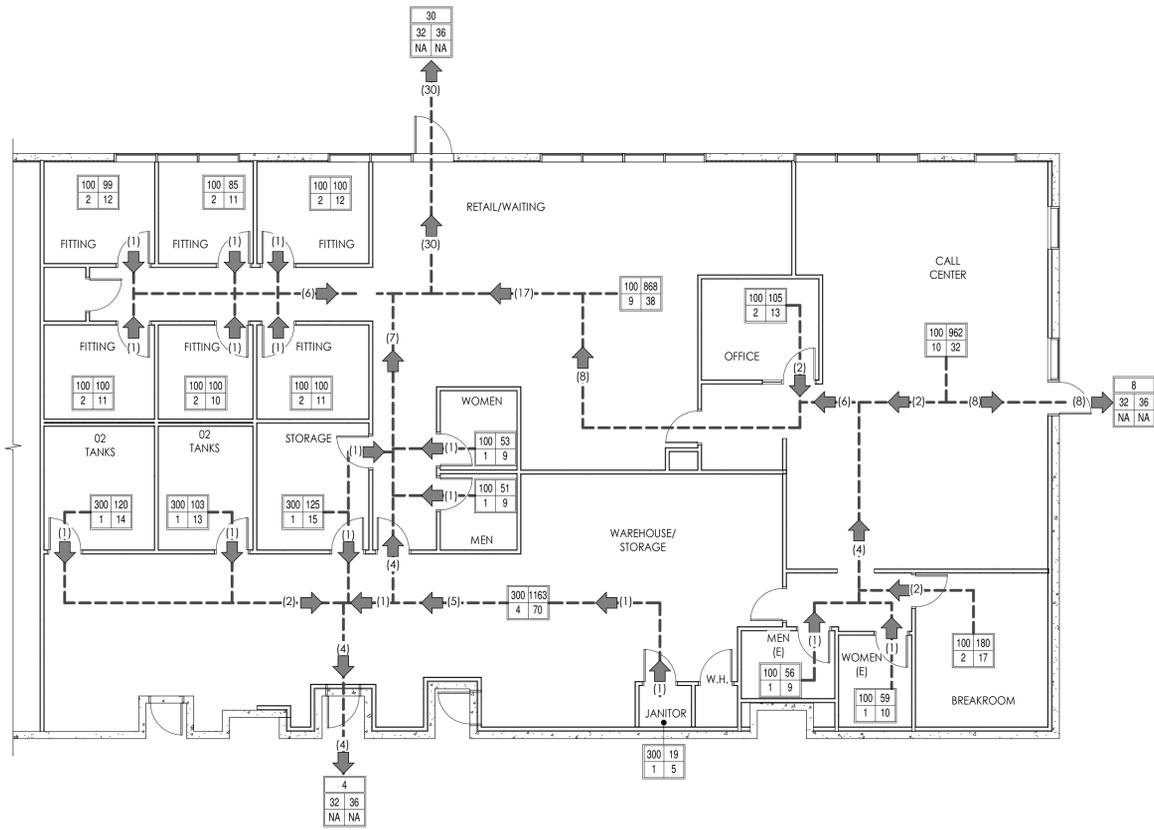


REV.	DATE

PROJECT # 1812
 DATE: 04/19/2019
 TITLE: COVER SHEET

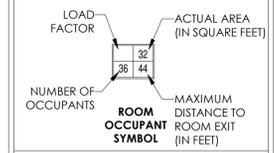
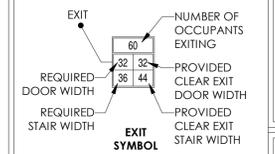
SHEET:
AG-001

A1 EGRESS PLAN
1/8" = 1'-0"



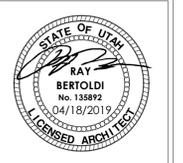
EGRESS LEGEND

- COMBINED OCCUPANT LOAD ALONG PATH OF EGRESS
- PATH OF EGRESS
- DIRECTION OF EGRESS



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4421 HARRISON BLVD, SUITE #A1, OGDEN, UT 84403



REV.	DATE
PROJECT #	1812
DATE:	04/19/2019
TITLE:	EGRESS PLAN

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

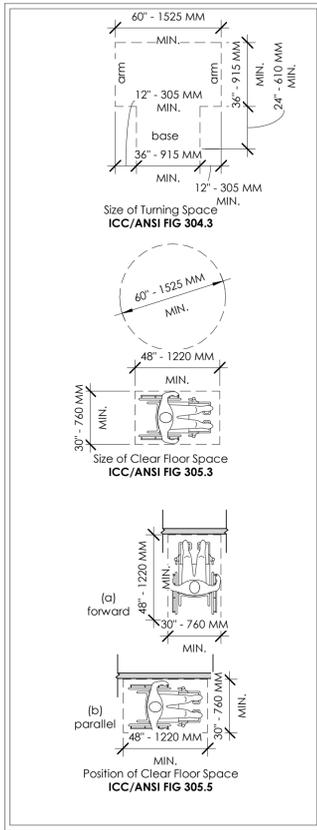
SHEET:
AG-002

D

C

B

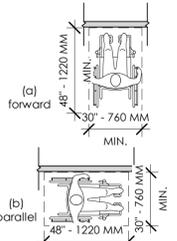
A



Size of Turning Space
ICC/ANSI FIG 304.3

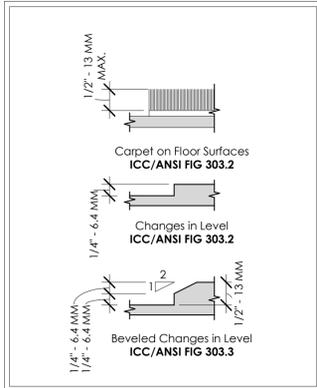


Size of Clear Floor Space
ICC/ANSI FIG 305.3

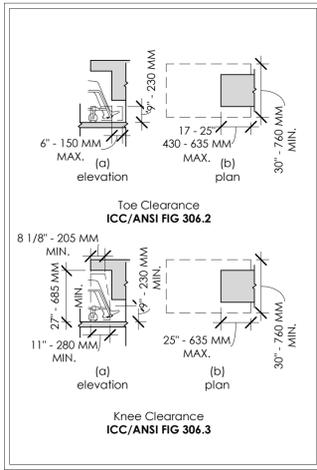


Position of Clear Floor Space
ICC/ANSI FIG 305.5

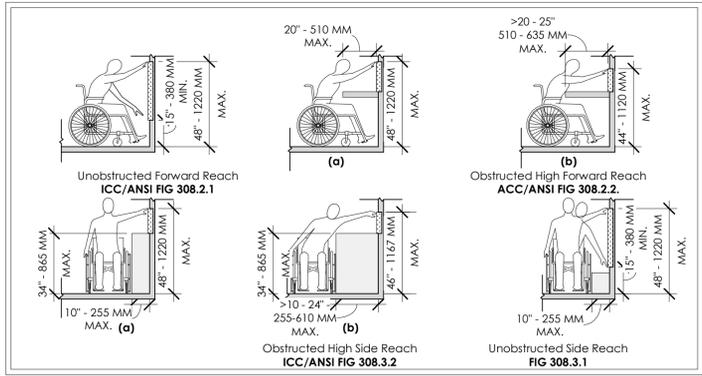
B1 TYP. TURNING SPACE AND CLEAR FLOOR SPACE
1/4" = 1'-0"



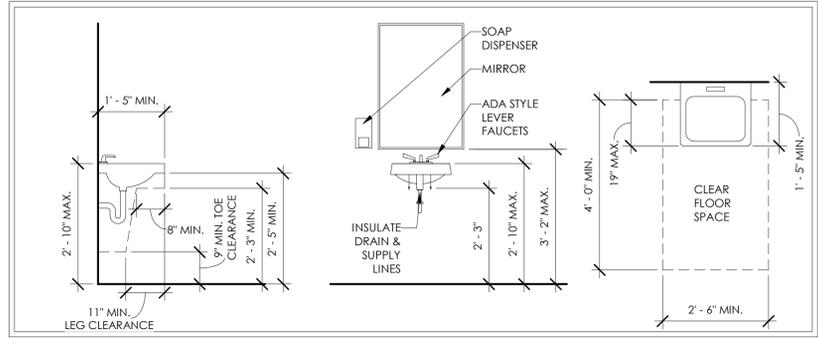
TYP. GROUND AND FLOOR SURFACES
6" = 1'-0"



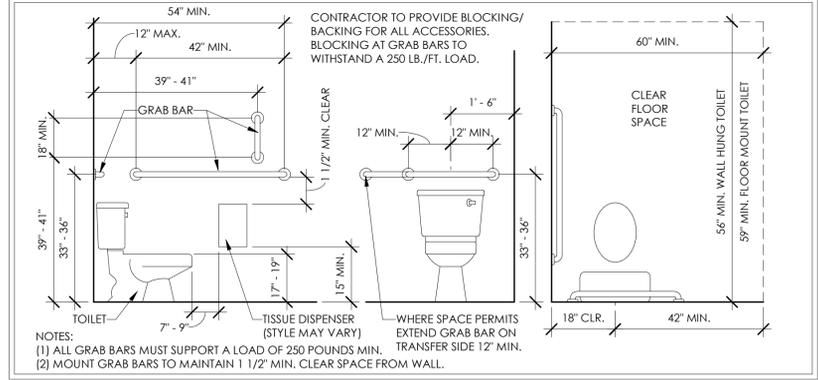
B2 TYP. KNEE AND TOE CLEARANCE
1/4" = 1'-0"



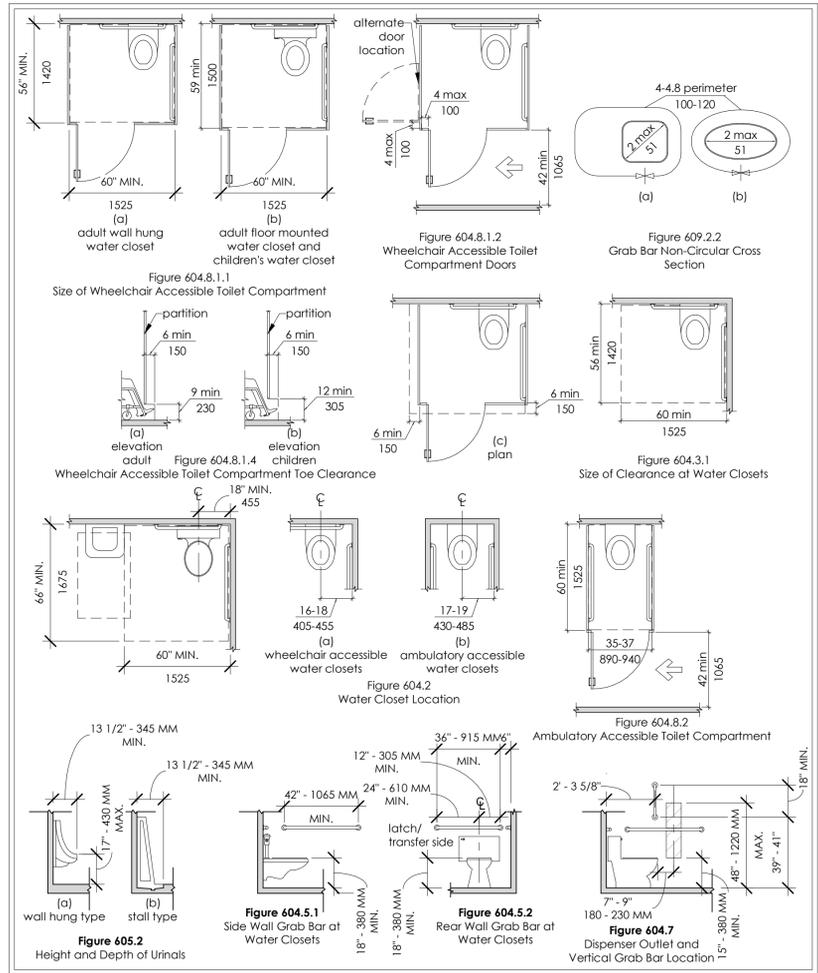
A1 TYP. REACH RANGES
1/4" = 1'-0"



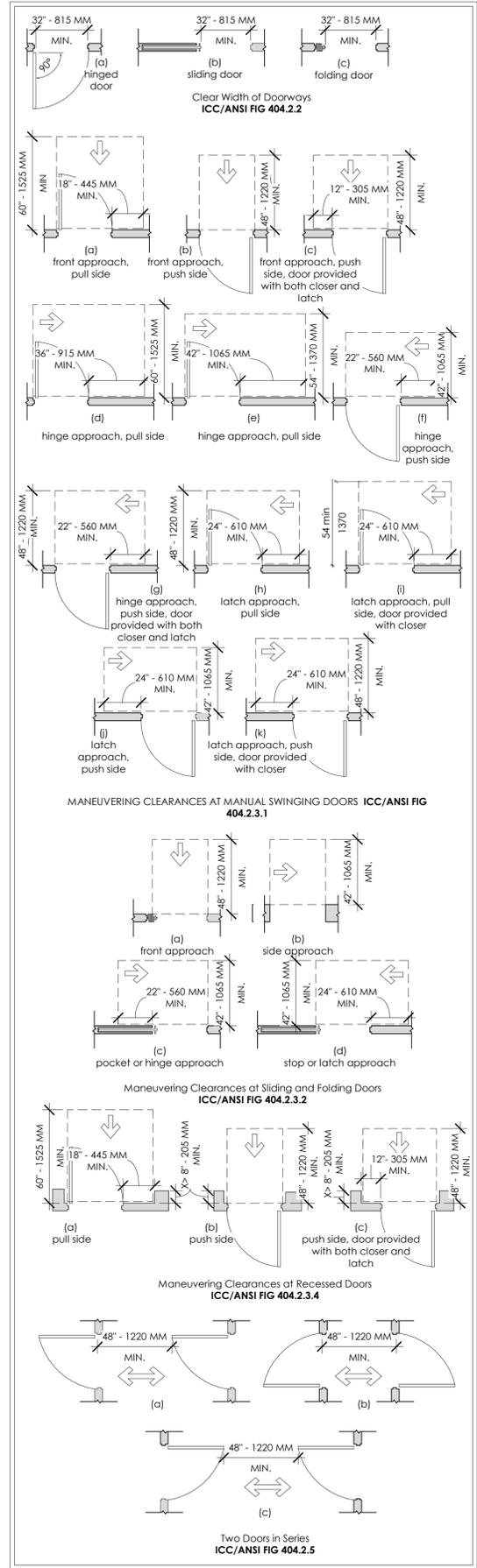
D3 ACCESSIBLE SINK DETAIL
1/2" = 1'-0"



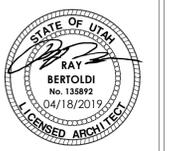
C3 ACCESSIBLE TOILET DETAIL
1/2" = 1'-0"



A2 TYP. TOILET COMPARTMENTS
1/4" = 1'-0"

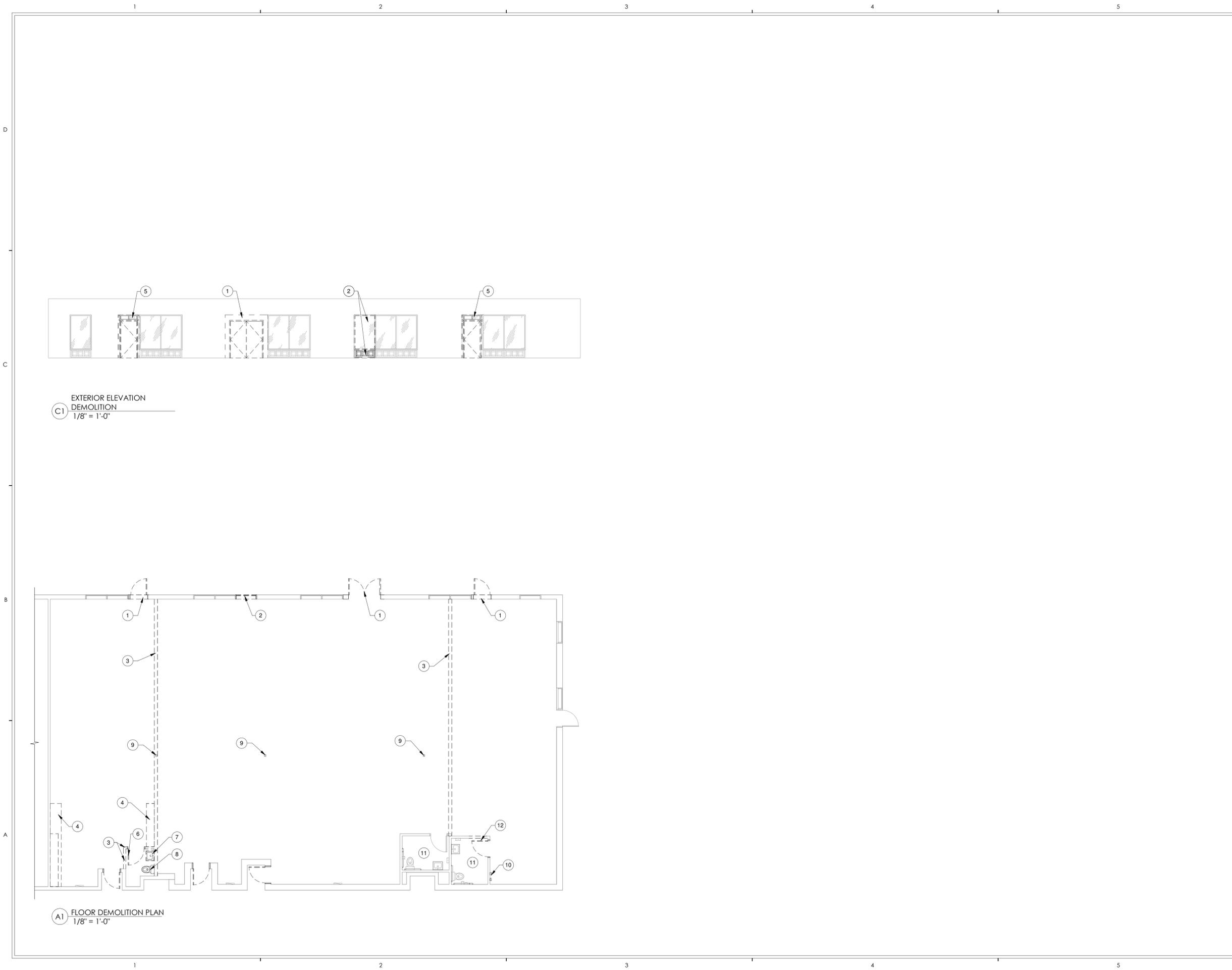


A5 ADA DOORS AND DOORWAYS
1/4" = 1'-0"



REV.	DATE
PROJECT #	1812
DATE:	04/19/2019
TITLE:	ADA DETAILS

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C1 EXTERIOR ELEVATION DEMOLITION
1/8" = 1'-0"

A1 FLOOR DEMOLITION PLAN
1/8" = 1'-0"

GENERAL NOTES

- A. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES IN EXISTING CONDITIONS.
- B. PROVIDE TEMPORARY BARRICADES & OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE & DAMAGE TO ADJACENT SPACES & FACILITIES.
- C. MAINTAIN REQUIRED EGRESS ACCESS TO EXISTING ADJACENT OCCUPIED OR USED FACILITIES.
- D. PROVIDE NECESSARY PROTECTION OF ADJACENT OCCUPIED SPACES FOR NOISE & DUST PROTECTION PER OWNERS.
- E. DEMO ALL APPLICABLE ELECTRICAL OUTLETS AS NEEDED & TERMINATE AS REQUIRED. REFER TO ELECTRICAL.
- F. EXCEPT FOR MATERIALS INDICATED TO BE SALVAGED, DEMOLISHED MATERIALS SHALL BE REMOVED FROM PROJECT SITE.
- G. ALL BOLTS & CONNECTORS IN THE FLOOR ARE TO BE REMOVED, THE SLAB IS TO BE PATCHED, REPAIRED & LEFT IN A SMOOTH CONDITION TO ACCEPT NEW FLOOR FINISHES.
- H. ALL SALVAGED MATERIALS, EQUIPMENT, FURNITURE, ETC SHALL BE RETURNED TO THE OWNER.
- I. REFER TO REFLECTED CEILING DEMOLITION PLAN FOR ADDITIONAL CEILING DEMOLITION REQUIREMENTS.
- J. AT CONTRACTORS OPTION, SMALL PORTIONS OF EXISTING WALLS SHOWN TO REMAIN, MAY BE TAKEN OUT & REBUILT. IN EITHER CASE, THE NEW WALL PLANE CREATED BETWEEN EXISTING WALL & NEW WALL CONSTRUCTION IS TO PROVIDE A WALL SURFACE PER THE GYPSUM DRYWALL SPECIFICATION REQUIREMENTS.
- K. CONTRACTOR TO PROVIDE REQUIRED DEMOLITION OF ANY EXISTING CONSTRUCTION THAT WILL BE REQUIRED FOR ANY NEW CONSTRUCTION.

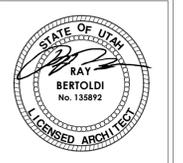
KEYED NOTES

- 1 REMOVE EXISTING DOORS & FRAMES. RETURN TO OWNER
- 2 REMOVE EXISTING WINDOW, FRAME, AND DECORATIVE TRIM
- 3 REMOVE EXISTING WALL
- 4 REMOVE EXISTING COUNTER & SHELVING
- 5 REMOVE EXISTING DOOR, FRAME, AND TRANSOM
- 6 REMOVE EXISTING DOOR
- 7 REMOVE EXISTING SINK & FAUCET AND CAP DCW, DHW, SANITARY, AND VENT PIPES
- 8 REMOVE EXISTING TOILET AND CAP DCW, SANITARY, AND VENT PIPES
- 9 EXISTING COLUMNS TO REMAIN
- 10 REMOVE AND RE-LOCATE EXISTING POWER PANEL
- 11 REMOVE TOILET, SINK, AND ALL ACCESSORIES, SAVE AND REINSTALL AFTER NEW FLOOR AND WALL TILE HAVE BEEN INSTALLED
- 12 REMOVE AND RELOCATE EXISTING DOOR. REFER TO FLOOR PLAN FOR NEW LOCATION

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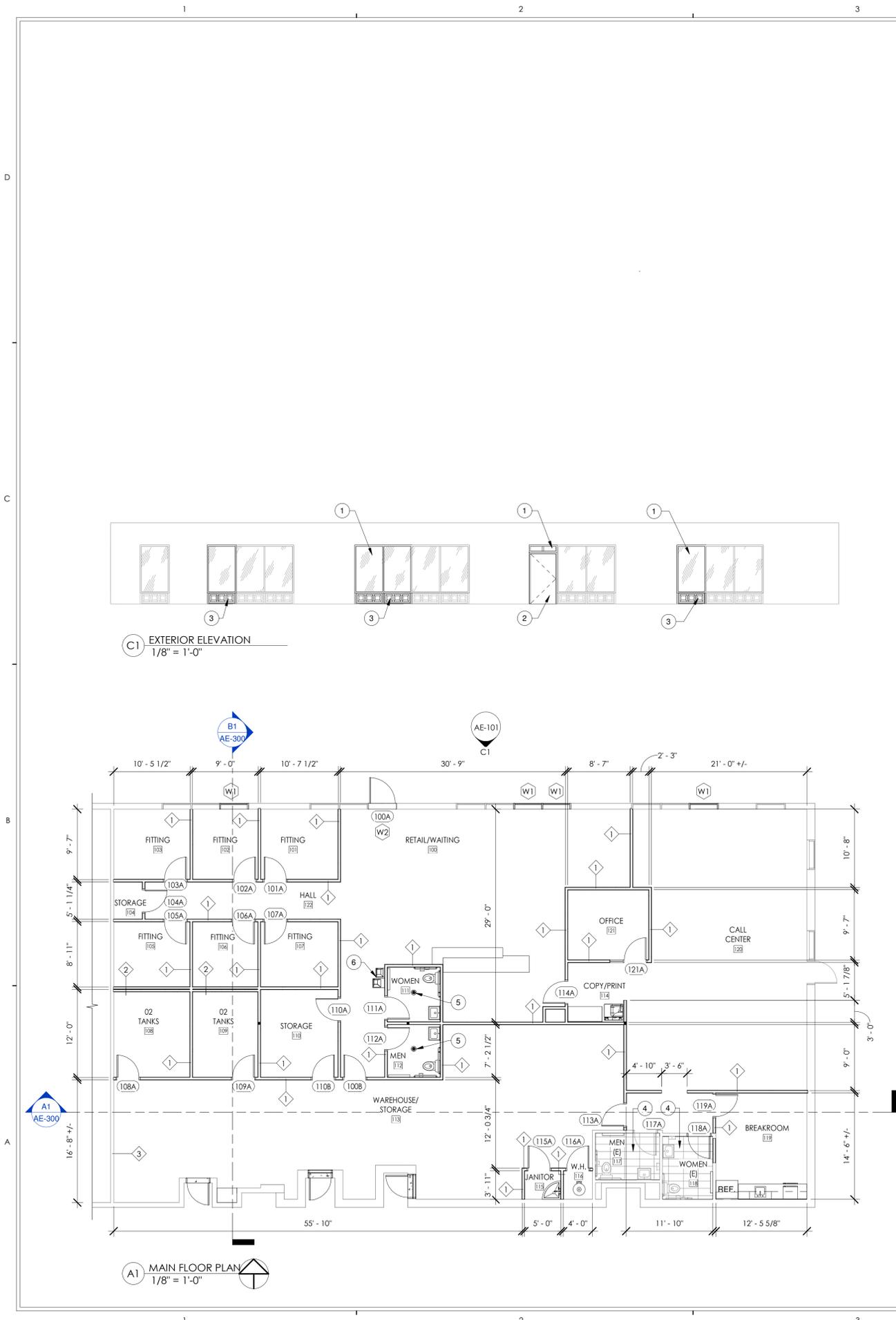
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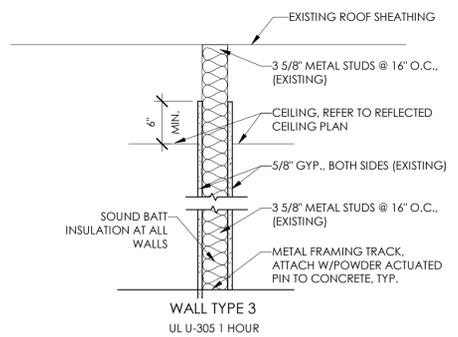
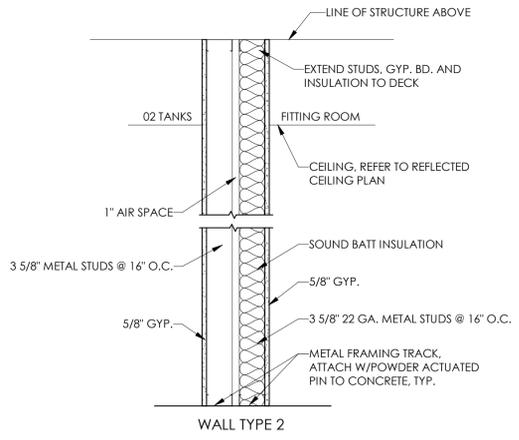
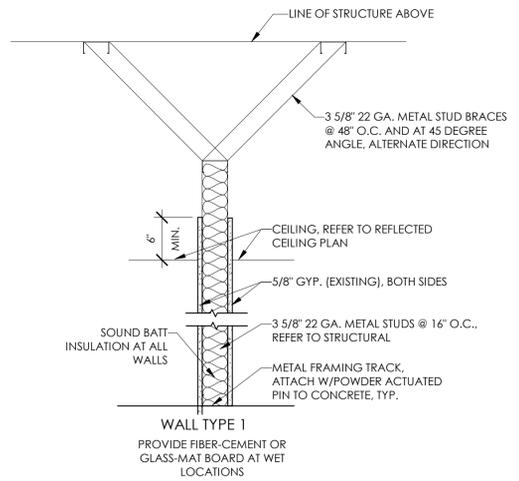
REV.	DATE
PROJECT #	1812
DATE:	04/19/2019
TITLE:	FLOOR DEMOLITION PLAN

SHEET:
AD-100



C1 EXTERIOR ELEVATION
1/8" = 1'-0"

A1 MAIN FLOOR PLAN
1/8" = 1'-0"



GENERAL NOTES

- A. ALL DIMENSIONS ARE TO ROUGH FRAMING, UNLESS OTHERWISE NOTED (U.N.O.)
- B. PROVIDE FIBER-CEMENT OR GLASS-MAT BOARD AT WET LOCATIONS, GREEN BOARD IS NOT PERMITTED.
- C. PROVIDE SOLID BLOCKING AS REQ'D FOR CABINETS, FIXTURES, EQUIPMENT AND ACCESSORIES AS REQ'D BY EACH COMPONENT'S MANUFACTURER, INCLUDING OWNERS ACCESSORIES AND EQUIPMENT.
- D. ALL DOORS SHALL BE INSTALLED 4" FROM WALL, U.N.O.
- E. REFER TO FINISH PLAN FOR INTERIOR ELEVATION REFERENCES.
- F. FIRE EXTINGUISHERS TO BE PROVIDED PER IBC 906.

FLOOR PLAN LEGEND

- WALL TYPE MARKER
REFER TO SHEET
AE-501 FOR WALL TYPES
- DETAIL MARKER
1 A101 SIM
- EXTERIOR ELEVATION
A101 Ref
- ROOM MARKER
Room name
101 1001

KEYED NOTES

- 1 NEW WINDOW, FINISH TO MATCH EXISTING
- 2 RELOCATED DOOR
- 3 NEW DECORATIVE TRIM TO MATCH EXISTING
- 4 NEW TILE ON EXISTING WALLS AND FLOORS, REFER TO FINISH PLAN
- 5 NEW FLOOR DRAIN, REFER TO PLUMBING
- 6 NEW DRINKING FOUNTAIN

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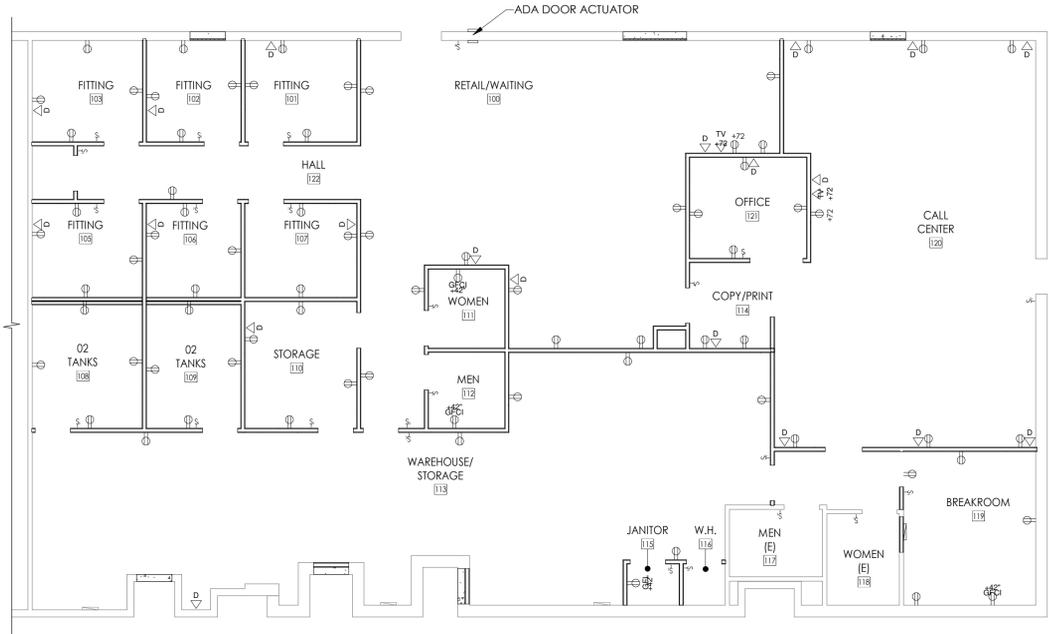
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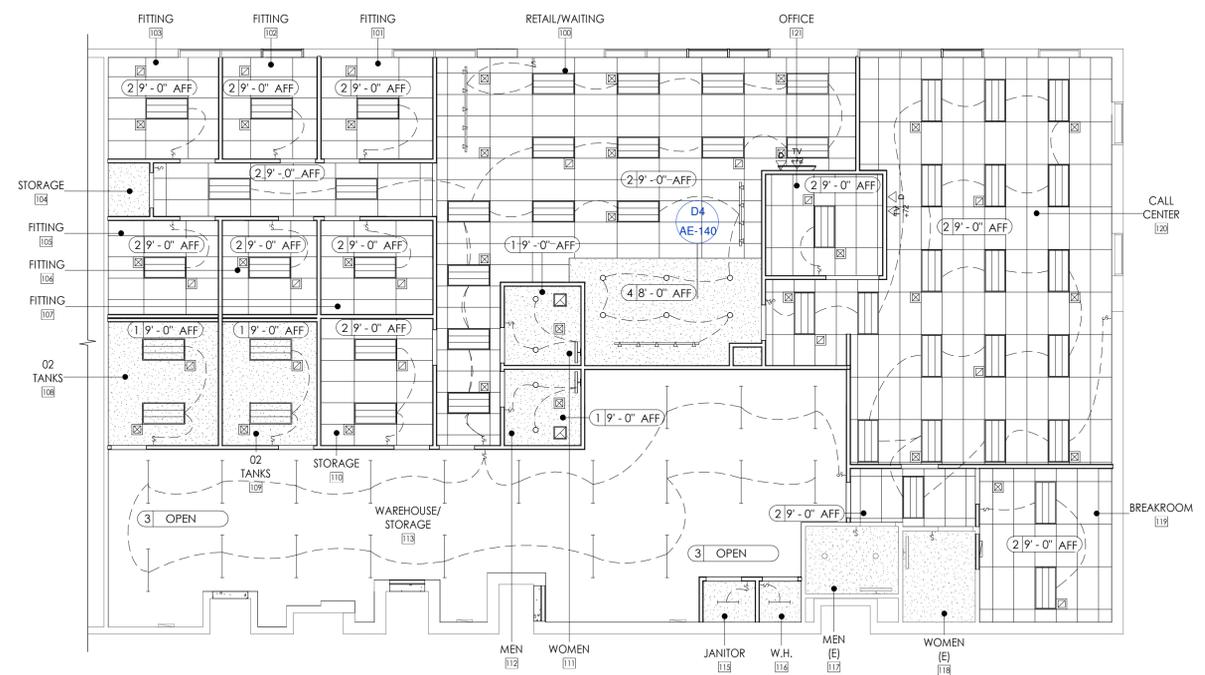
REV.	DATE
PROJECT #	1812
DATE:	04/19/2019
TITLE:	MAIN FLOOR PLAN, EXTERIOR ELEVATION & WALL TYPES

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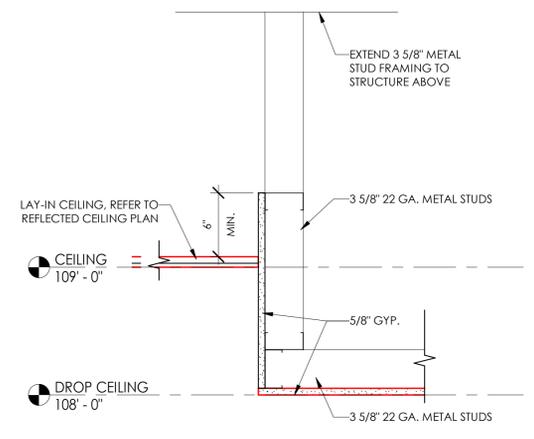
SHEET:
AE-101



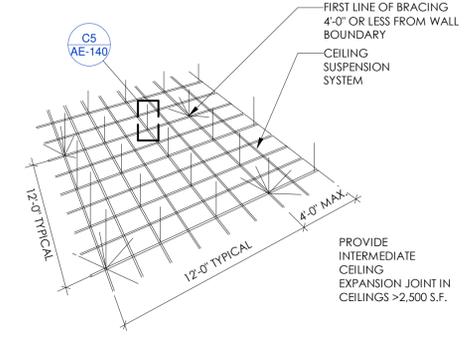
C1 MAIN FLOOR POWER PLAN
1/8" = 1'-0"



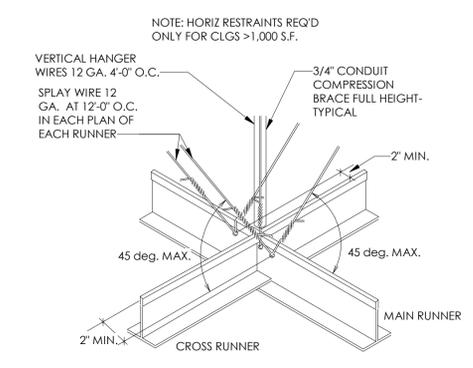
A1 REFLECTED CEILING PLAN
1/8" = 1'-0"



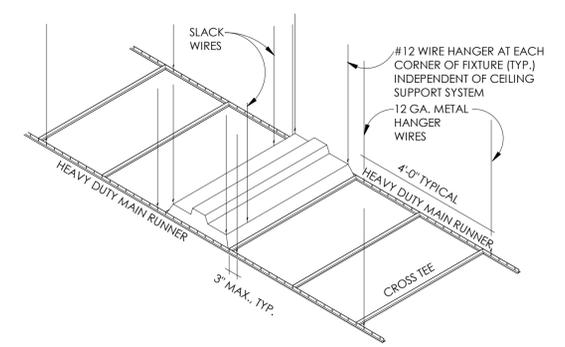
D4 DROP SOFFIT DETAIL
1 1/2" = 1'-0"



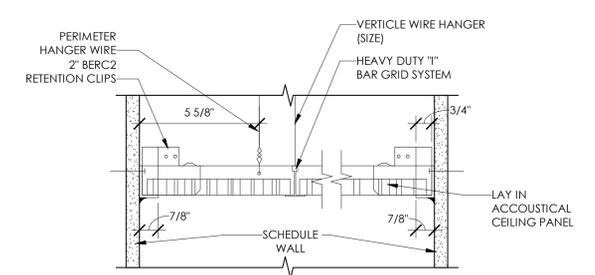
D5 SEISMIC BRACING DETAIL 1
12" = 1'-0"



C5 SEISMIC BRACING DETAIL
12" = 1'-0"



B5 TYP FIXTURE SUPPORT ISO
1/64" = 1'-0"

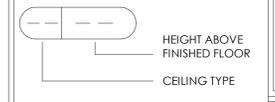


A5 TYP. CEILING DETAIL - CLIP
3" = 1'-0"

GENERAL NOTES

- A. CEILING HEIGHTS ARE APPROXIMATE. REFER TO BUILDING SECTIONS FOR STRUCTURE BEARING HEIGHTS.
- B. NOTED CEILING HEIGHTS ARE FROM DESIGNATED FINISH FLOOR ELEVATIONS.
- C. PROVIDE SMOKE/FIRE ALARMS PER IBC.
- D. ALL CEILINGS ARE TO BE SEISMICALLY BRACED, A MINIMUM OF ONE BRACE REQUIRED IN ANY SPACE OF 1000 S.F. OR LARGER.
- E. PROVIDE SMOKE/FIRE ALARMS PER IBC.
- F. COORDINATE MOUNTING HEIGHT OF ALL DECORATIVE LIGHTING WITH ARCHITECT BEFORE INSTALLATION.

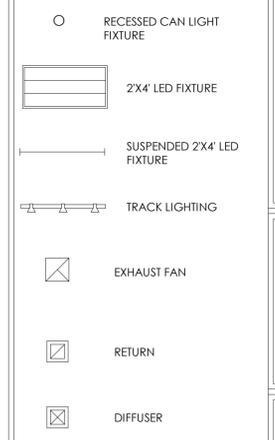
LEGEND



CEILING TYPES

- 1. PAINTED 5/8" SUSPENDED GYPSUM BOARD CEILING
- 2. 2X4 ACT SYSTEM, SUSPENDED CEILING GRID
- 3. OPEN TO STRUCTURE
- 4. PAINTED 5/8" GYPSUM BOARD OVER DROP SOFFIT

SYMBOL KEY



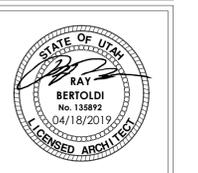
KEYED NOTES

REV.	DATE
PROJECT #	1812
DATE:	04/19/2019
TITLE:	REFLECTED CEILING DEMOLITION AND PLAN
SHEET:	

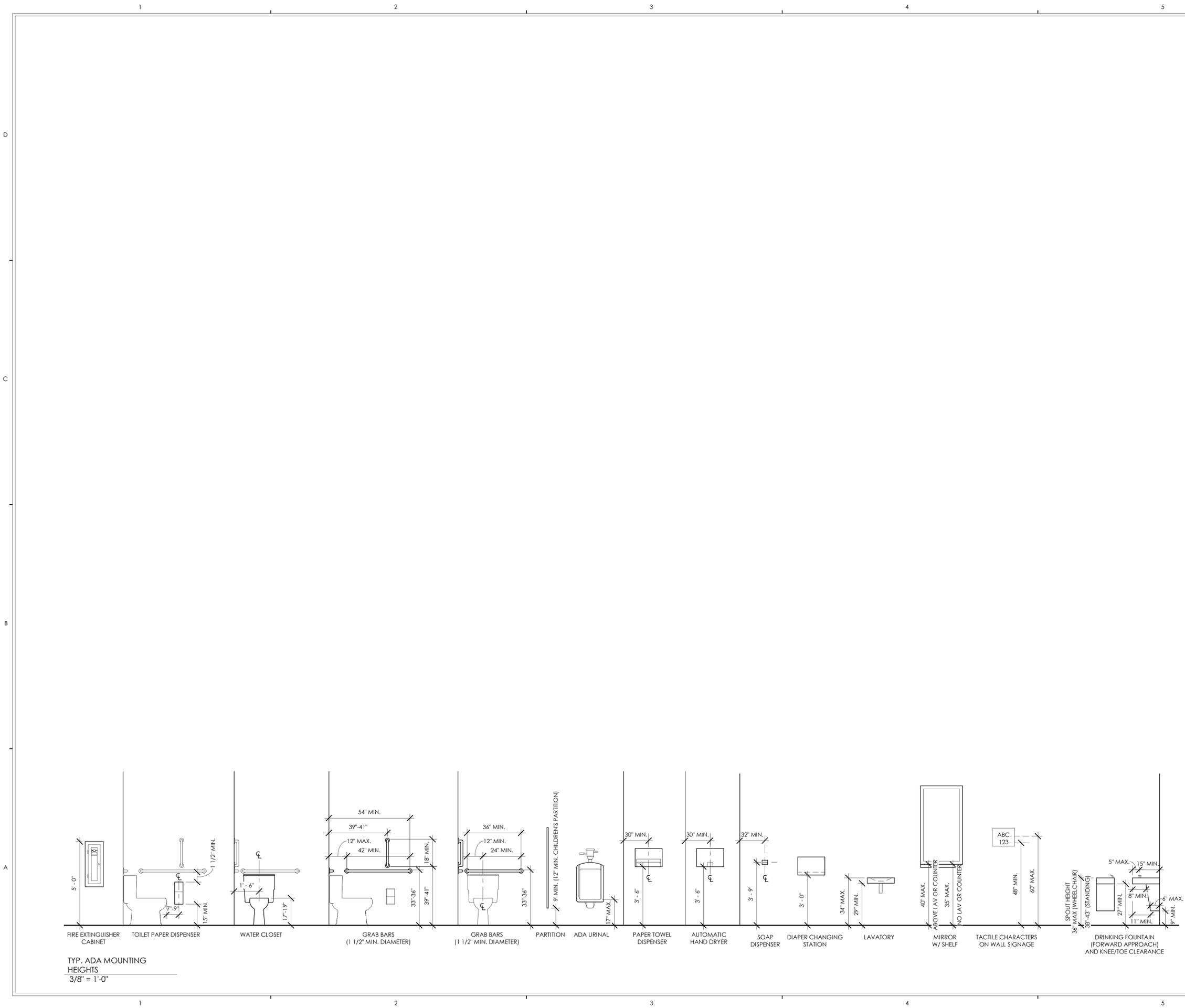
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MCKAY-DEE HOME CARE CLINIC
4421 HARRISON BLVD, SUITE #A1, OGDEN, UT 84403



AE-140
3/1/2019 8:31:11 AM



TYP. ADA MOUNTING HEIGHTS
3/8" = 1'-0"

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MCKAY-DEE HOME CARE CLINIC
4421 HARRISON BLVD, SUITE #A1, OGDEN, UT 84403



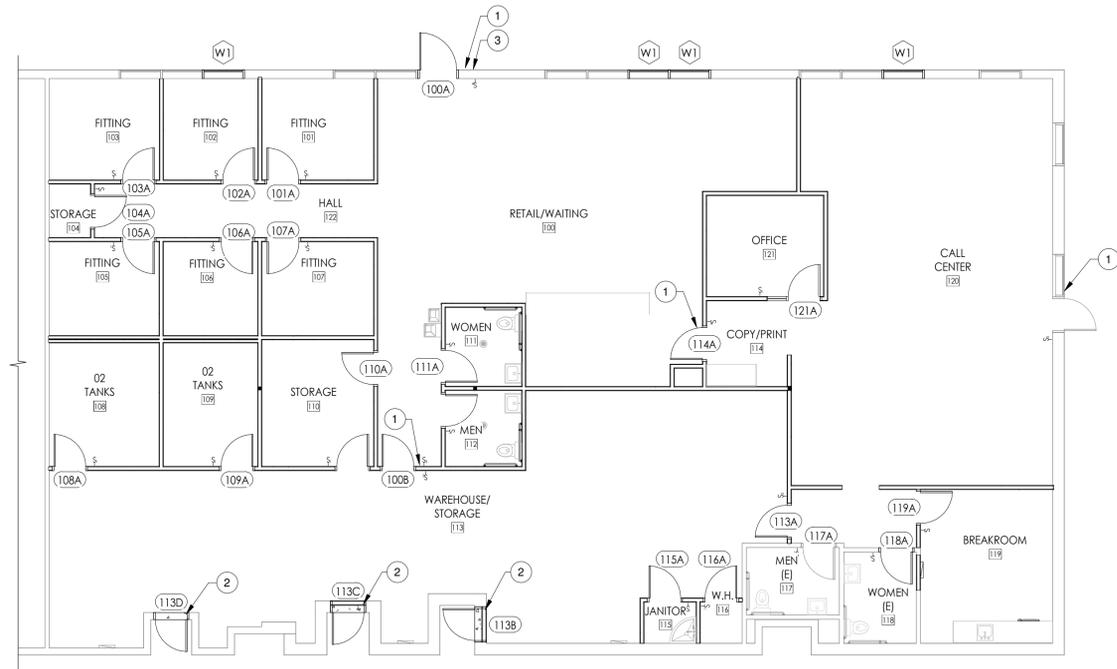
REV.	DATE
PROJECT #	1812
DATE:	04/19/2019
TITLE:	TYPICAL MOUNTING HEIGHTS

SHEET:
AE-500

WINDOW SCHEDULE					
WINDOW TAG	WIDTH	HEIGHT	GLAZING TYPE	FINISH	REMARKS
W1	4' - 0"	6' - 6"		MATCH EXISTING	
W2	3' - 10"	1' - 0"		MATCH EXISTING	TRANSOM

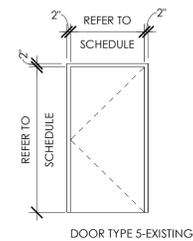
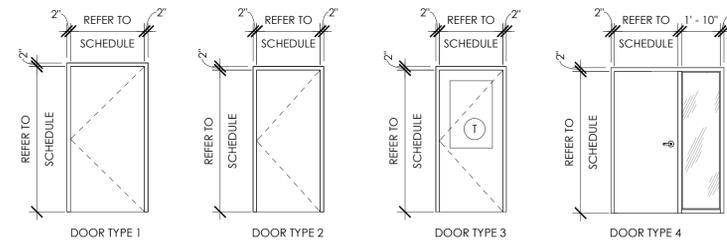


C1 EXTERIOR ELEVATION
1/8" = 1'-0"



A1 MAIN FLOOR OPENING PLAN
1/8" = 1'-0"

DOOR SCHEDULE										
DOOR TAG	DOOR TYPE	ROOM	WIDTH	HEIGHT	DOOR		FRAME		HARDWARE	REMARKS
					MATERIAL	FINISH	MATERIAL	FINISH		
100A	1	RETAIL/WAITING	3' - 6"	7' - 0"	WOOD				6	CARD ACCESS
100B	2	HALL	3' - 0"	7' - 0"	WOOD	STAIN			1	CARD ACCESS
101A	2	FITTING	3' - 0"	7' - 0"	WOOD	STAIN			4	
102A	2	FITTING	3' - 0"	7' - 0"	WOOD	STAIN			4	
103A	2	FITTING	3' - 0"	7' - 0"	WOOD	STAIN			4	
104A	2	HALL	3' - 0"	7' - 0"	WOOD	STAIN			1	
105A	2	FITTING	3' - 0"	7' - 0"	WOOD	STAIN			4	
106A	2	FITTING	3' - 0"	7' - 0"	WOOD	STAIN			4	
107A	2	FITTING	3' - 0"	7' - 0"	WOOD	STAIN			4	
108A	2	O2 TANKS	3' - 0"	7' - 0"	WOOD	STAIN			1	
109A	2	O2 TANKS	3' - 0"	7' - 0"	WOOD	STAIN			1	
110A	2	STORAGE	3' - 0"	7' - 0"	WOOD	STAIN			1	
110B	2	STORAGE	3' - 0"	7' - 0"	WOOD	STAIN			1	
111A	2	WOMEN	3' - 0"	7' - 0"	WOOD	STAIN			4	
112A	2	HALL	3' - 0"	7' - 0"	WOOD	STAIN			4	
113A	3	WAREHOUSE/STORAGE	3' - 0"	7' - 0"	WOOD	STAIN			1	HALF-LIGHT
113B	5	WAREHOUSE/STORAGE	3' - 0"	7' - 0"	STEEL	PAINT			MATCH EXISTING	ALTERNATE #1
113C	5	WAREHOUSE/STORAGE	3' - 0"	7' - 0"	STEEL	PAINT			MATCH EXISTING	ALTERNATE #1
113D	5	WAREHOUSE/STORAGE	3' - 0"	7' - 0"	STEEL	PAINT			MATCH EXISTING	ALTERNATE #1
114A	2	COPY/PRINT	3' - 0"	7' - 0"	WOOD	STAIN			2	
115A	2	JANITOR	3' - 0"	7' - 0"	WOOD	STAIN			1	
116A	2	W.H.	3' - 0"	7' - 0"	WOOD	STAIN			1	
118A	2	WOMEN (E)	3' - 0"	7' - 0"	EXISTING				EXISTING	RELOCATED DOOR
119A	3	BREAKROOM	3' - 0"	7' - 0"	WOOD	STAIN			5	HALF-LIGHT
121A	4	OFFICE	5' - 4"	7' - 0"	WOOD	STAIN			2	SIDELIGHT



DOOR TYPE 5-EXISTING
*ALTERNATE #1-REMOVE AND REPLACE EXISTING DOOR & HARDWARE

NOTE: PROVIDE LINE ITEM BID FOR ALTERNATE #1 DOORS.

DOOR NOTES

- REFER TO DEMOLITION PLAN FOR EXISTING DOORS & WINDOWS THAT ARE TO BE REMOVED/SALVAGED.
- NEW WINDOWS ARE TO MATCH ADJACENT WINDOWS IN STYLE, HEIGHT AND COLOR.
- CARD ACCESS BY OWNER.

DOOR & FRAMES

- HOLLOW METAL FRAMES: STEEL CRAFT 1/6 GA. WITH WELDED CORNERS.
- DOORS: MARSHFIELD: ROTARY CUT NATURAL BIRCH SPLY PARTICLE CORE DOORS STAINED FACTORY FINISH.
- THRESHOLD: WHERE APPLIES

HARDWARE SCHEDULE

The following schedule is furnished for whatever assistance it may afford the Contractor; do not consider it as entirely inclusive. Should any particular door or item be omitted in any scheduled hardware heading, provide door or item with hardware same as required for similar purposes. Hardware supplier is responsible for handling and sizing all products as listed in the hardware heading. Quantities listed are for each pair of doors, or for each single door.

Contractor to provide submittals in electronic format for Architect's review.

- Manufacturer's Abbreviations:
- Storeroom L9080R 17B C125 Keyway, 626
 - Office L9050R 17B C125 Keyway, 626
 - (Not Used) Class L9070R 17B C125 Keyway, 626
 - Privacy L9040 17B L283-722 Outside Indicator, 626
 - Passage L9010 17B 626
 - Match existing exterior. Door to be provided w/power operation & card access.

- Locksets - Schlage Morise
- Hinges - McKinney 1A2714 26D
- Wall Stop - Hager 236W US26D
- Electric Strike - SDC 55-CU 430
- Overhead Stop - Glynn-Johnson 450 series
- Silencers - No preference
- Closers - LCN 4010 Pull side 4111 EDA
- Push side AL
- Kick plates - No preference
- Smoke Seal - Permko 588D

SYMBOL KEY

- T TEMPERED GLASS

KEYED NOTES

- CARD ACCESS
- PAINT EXISTING DOOR/ PROVIDE LINE ITEM BID FOR ALTERNATE #1, REFER TO SCHEDULE
- POWERED OPERATOR FOR DOOR



MCKAY-DEE HOME
CARE CLINIC

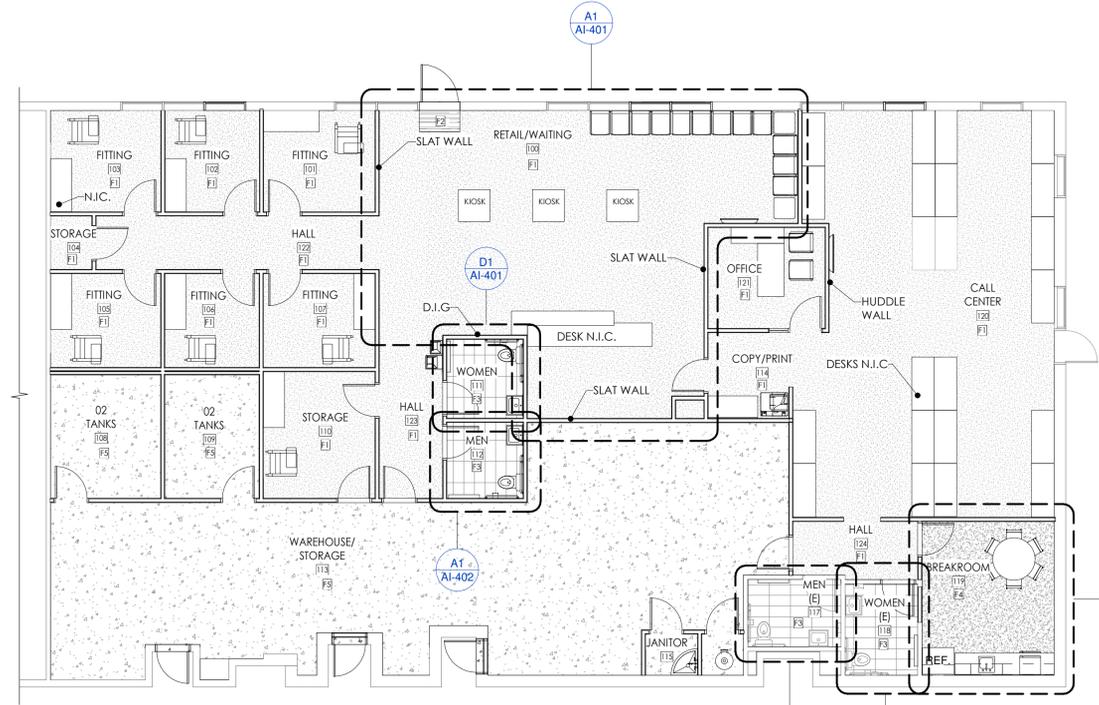
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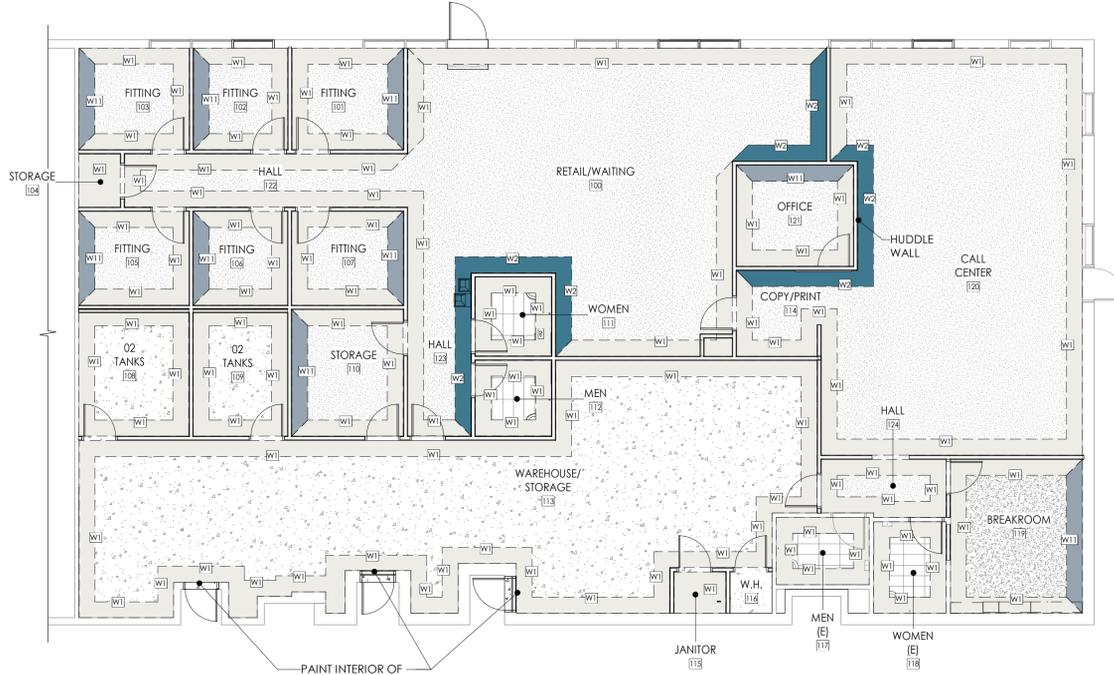
REV.	DATE
PROJECT #	1812
DATE:	04/19/2019
TITLE:	OPENING PLANS, ELEVATIONS, DOOR & WINDOW SCHEDULES

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SHEET:
AE-600



C1 FINISH FLOOR PLAN
1/8" = 1'-0"



A1 FINISH FLOOR PAINT PLAN
1/8" = 1'-0"

FINISH SCHEDULE - COMMERCIAL									
ROOM NAME	ROOM NUMBER	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	REMARKS
RETAIL/WAITING	100	F1,F2	B1	W1	W1, W2, W4	W1, W2, W4	W1, W4	C1,C2	
FITTING	101	F1	B1	W1	W11	W1	W1	C1	
FITTING	102	F1	B1	W1	W1	W1	W11	C1	
FITTING	103	F1	B1	W1	W1	W1	W11	C1	
STORAGE	104	F1	B1	W1	W1	W1	W1	C1	
FITTING	105	F1	B1	W1	W1	W1	W11	C1	
FITTING	106	F1	B1	W1	W1	W1	W11	C1	
FITTING	107	F1	B1	W1	W11	W1	W1	C3	
O2 TANKS	108	F5	NA	W1	W1	W1	W1	C3	
O2 TANKS	109	F5	NA	W1	W1	W1	W1	C1	
STORAGE	110	F1	B1	W1	W1	W1	W11	C1	
WOMEN	111	F3	NA	W1, W5, W6, W7, W8, W9, W10	C2	SEE INTERIOR ELEVATIONS			
MEN	112	F3	NA	W1, W5, W6, W7, W8, W9, W10	C2	SEE INTERIOR ELEVATIONS			
WAREHOUSE/STORAGE	113	F5	NA	W1	W1	W1	W1	C3	
COPY/PRINT	114	F1	B1	W2	W1	W1	W1	C1	
JANITOR	115	F5	NA	W1	W1	W1	W1	C3	
W.H.	116	F5	NA	NA	NA	NA	NA	C3	
MEN (E)	117	F3	NA	W1, W5, W6, W7, W8, W9, W10	C1	SEE INTERIOR ELEVATIONS			
WOMEN (E)	118	F3	NA	W1, W5, W6, W7, W8, W9, W10	C1	SEE INTERIOR ELEVATIONS			
BREAKROOM	119	F4	B1	W2	W1	W1	W1	C1	
CALL CENTER	120	F1	B1	W1,W2	W1	W1,W2	W1,W2	C1	
OFFICE	121	F1	B1	W11	W1	W1	W1	C1	
HALL	122	F1	B1	W1	W1	W1	W1	C1	
HALL	123	F1	B1	W1	W2	W1	W1	C1	
HALL	124	F1	B1	W1	W1	W1	W1	C1	

FINISH KEY - COMMERCIAL					
MARK	DESCRIPTION	MANUFACTURER	SPECIFICATION	IMAGE	REMARKS
BASE					
B1	RUBBER BASE	ROPPE	ROPPE, BLACK 4" STANDARD TOE BASE, COLOR: BLACK		
CASING					
CAB1	BUILT-IN CABINETS	WILSONART	HIGHLINE 7970K-18		
CEILING					
C1	2'X4' GRID				
C2	PAINTED GYP	SHERWIN WILLIAMS	SW7005 PURE WHITE		
C3	OPEN TO STRUCTURE				
COUNTERTOP					
CT1	COUNTERTOP	DUPONT,	CORIAN COLOR: NATURAL CONCRETE W/EASED EDGE		
FLOORING					
F1	CARPET TILE	SHAW	SHAW STIPPLE TILE ST116 COLOR: SLATE		PATTERN: TO BE SET IN HALF BASKET WEAVE
F2	WALK-OFF CARPET		WALK-OFF CARPET, COORDINATE W/ARCHITECT		
F3	FLOOR TILE	UNITED TILE	CROSSVILLE NOTORIOUS COLOR: FEMME FATALE, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"		
F4	RESILIENT RUBBER FLOORING	MANNINGTON	BIOSPEC SR 67369 COLOR: BEDROCK		
F5	EXISTING CONCRETE		SEAL EXISTING CONCRETE		
WALL					
W1	GENERAL PAINT	SHERWIN WILLIAMS	SW7005 PURE WHITE		SEE PAINT PLAN
W2	ACCENT PAINT	SHERWIN WILLIAMS	SW6230 RAINSTORM		SEE PAINT PLAN
W4	SLAT WALL		NATURAL MAPLE, COORDINATE W/ARCHITECT		SEE INTERIOR ELEVATIONS
W5	WALL TILE	UNITED TILE	CROSSVILLE NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"		SEE INTERIOR ELEVATIONS
W6	ACCENT TILE	UNITED TILE	CROSSVILLE NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 3X15, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"		SEE INTERIOR ELEVATIONS
W7	WALL TILE	UNITED TILE	CROSSVILLE NOTORIOUS FILM NOIR NTR06 W/HON FINISH, SIZE: 3X15, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"		SEE INTERIOR ELEVATIONS
W8	WALL TILE	UNITED TILE	CROSSVILLE NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 24X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"		SEE INTERIOR ELEVATIONS
W9	WALL TILE	UNITED TILE	CROSSVILLE NOTORIOUS FEMME FATALE NTR01 W/HON FINISH, SIZE: 6X12 COVE BASE, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"		SEE INTERIOR ELEVATIONS
W10	SCHLUTER TRIM	SCHLUTER	SCHLUTER, A125ATGB JOLLY EDGE TRIM 1/2" ALUM BRUSH NICKEL		SEE INTERIOR ELEVATIONS
W11	ACCENT PAINT	SHERWIN WILLIAMS	SW 6243 DISTANCE		SEE PAINT PLAN

GENERAL NOTES

- A. ALL DIMENSIONS ARE TO ROUGH FRAMING UNLESS OTHERWISE NOTED (U.N.C.)
- B. VERIFY ALL FINISHES, FIXTURES AND EQUIPMENT WITH ARCHITECT.
- C. PROVIDE FIBER-CEMENT OR GLASS-MAT BOARD AT TILE AREAS OF SHOWERS. GREEN BOARD IS NOT PERMITTED.
- D. PROVIDE SOLID BLOCKING AS REQUIRED FOR CABINETS, FIXTURES EQUIPMENT AND ACCESSORIES AS REQUIRED BY EACH COMPONENT'S MANUFACTURER, INCLUDING OWNER'S ACCESSORIES AND EQUIPMENT.
- E. REFER TO FINISH PLAN FOR INTERIOR ELEVATION REFERENCES.
- F. ALL INTERIOR WALLS TO BE 3-5/8" WOOD STUDS U.O.N. WITH 5/8" GWB ON BOTH SIDES U.O.N.
- G. ALL INTERIOR DOORS TO BE INSTALLED 4" FROM WALLS U.O.N.
- H. CONTRACTOR TO COORDINATE PAINT COLOR AND LOCATIONS WITH OWNER AND ARCHITECT.
- I. REFER TO AE-501 FOR TYPICAL MOUNTING HEIGHTS.

SYMBOL KEY

FLOORING

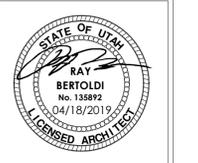
- F1-CARPET TILE
- F2-WALK OFF CARPET
- F3-FLOOR TILE
- F4-RUBBER FLOORING
- F5-EXISTING CONCRETE

WALLS

- W1- GENERAL PAINT
- W2- ACCENT PAINT
- W11-ACCENT PAINT

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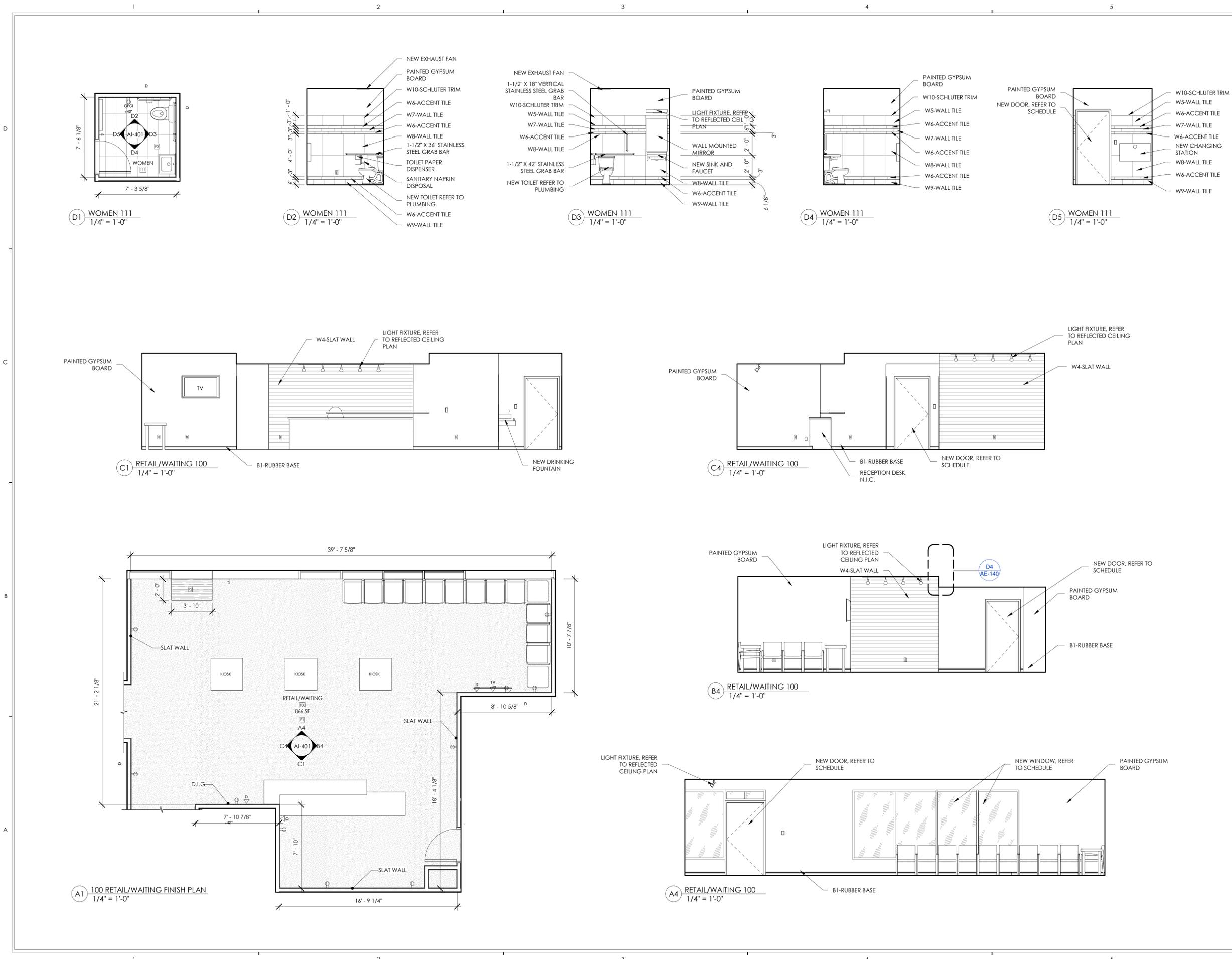
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REV.	DATE
PROJECT #	1812
DATE:	04/19/2019
TITLE:	FINISH FLOOR PLAN

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SHEET:
AI-101



GENERAL NOTES

- A. ALL DIMENSIONS ARE TO ROUGH FRAMING UNLESS OTHERWISE NOTED (U.N.O.)
- B. VERIFY ALL FINISHES, FIXTURES AND EQUIPMENT WITH ARCHITECT.
- C. PROVIDE FIBER-CEMENT OR GLASS-MAT BOARD AT TILE AREAS OF SHOWERS. GREEN BOARD IS NOT PERMITTED.
- D. PROVIDE SOLID BLOCKING AS REQUIRED FOR CABINETS, FIXTURES EQUIPMENT AND ACCESSORIES AS REQUIRED BY EACH COMPONENT'S MANUFACTURER, INCLUDING OWNER'S ACCESSORIES AND EQUIPMENT.
- E. REFER TO FINISH PLAN FOR INTERIOR ELEVATION REFERENCES.
- F. ALL INTERIOR WALLS TO BE 3-5/8" WOOD STUDS U.O.N. WITH 5/8" GWB ON BOTH SIDES U.O.N.
- G. ALL INTERIOR DOORS TO BE INSTALLED 4" FROM WALLS U.O.N.
- H. CONTRACTOR TO COORDINATE PAINT COLOR AND LOCATIONS WITH OWNER AND ARCHITECT.
- I. REFER TO AE-501 FOR TYPICAL MOUNTING HEIGHTS.

FINISH KEY

- B1 ROPPE, BLACK 4" STANDARD TOE BASE, COLOR: BLACK
- CAB1 HIGHLINE 7970K-18
- CT1 CORIAN COLOR: NATURAL CONCRETE W/FASED EDGE
- F1 SHAW STIPPLE TILE ST116 COLOR: SLATE
- F2 WALK-OFF CARPET, COORDINATE W/ARCHITECT
- F3 CROSSVILLE, NOTORIOUS COLOR: FEMME FATALE, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- F4 BIOSPEC SR 67369 COLOR: BEDROCK
- W4 NATURAL MAPLE, COORDINATE W/ARCHITECT
- W5 CROSSVILLE NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- W6 CROSSVILLE NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 3X15, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- W7 CROSSVILLE NOTORIOUS FILM NOIR NTR06 W/HON FINISH, SIZE: 3X15, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- W8 CROSSVILLE NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 24X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- W9 CROSSVILLE, NOTORIOUS FEMME FATALE NTR01 W/HON FINISH, SIZE: 6X12 COVE BASE, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- W10 SCHLUTER, A125ATGB JOLLY EDGE TRIM 1/2" ALUM BRUSH NICKEL

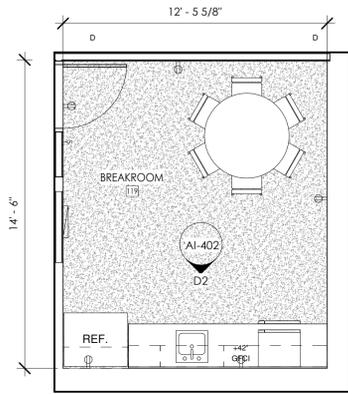
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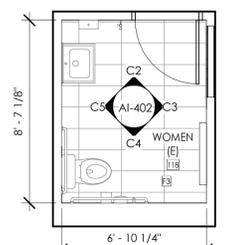
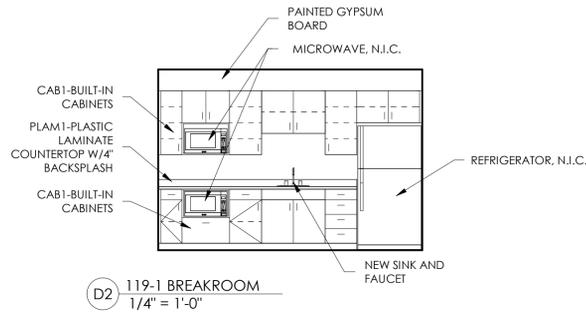
REV.	DATE
PROJECT #	1812
DATE:	04/19/2019
TITLE:	INTERIOR ELEVATIONS/ENLARGED FINISH PLANS

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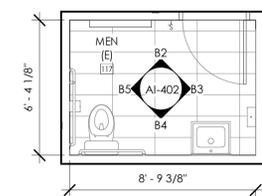
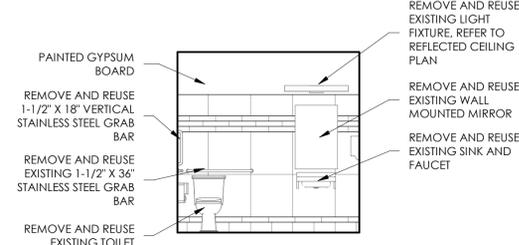
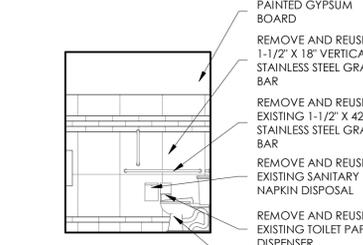
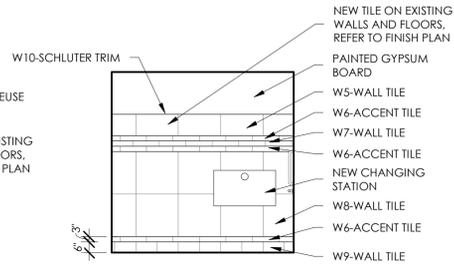
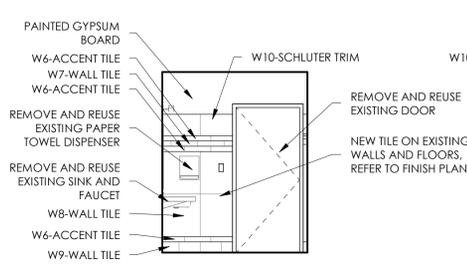
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AI-401
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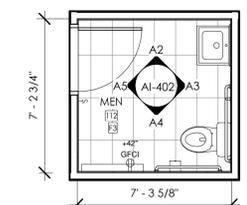
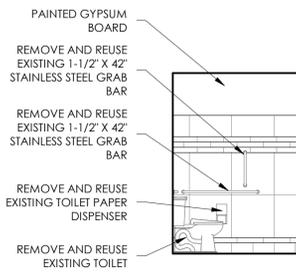
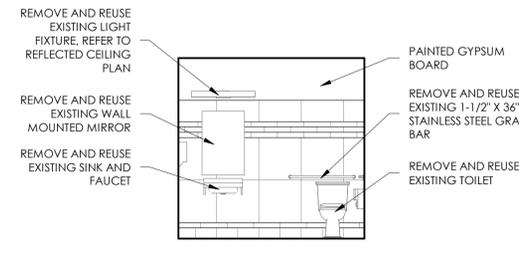
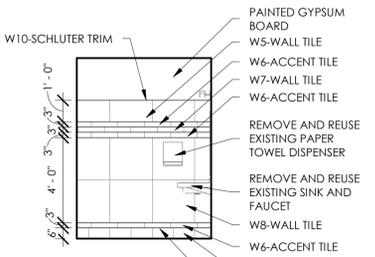
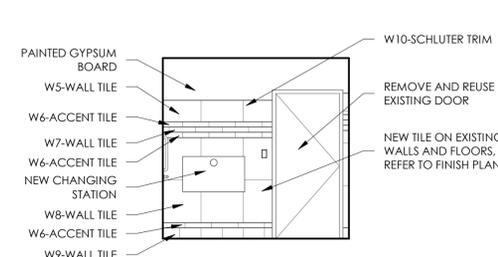
D1 119 BREAKROOM FINISH PLAN
1/4" = 1'-0"



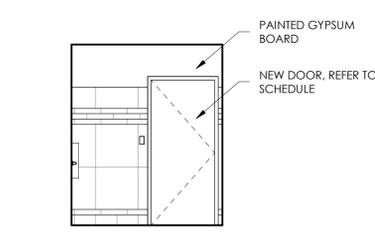
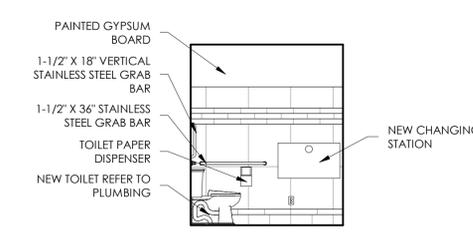
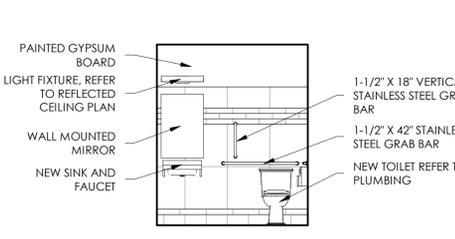
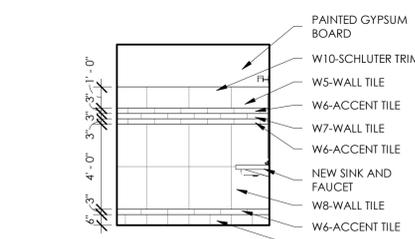
C1 118 WOMEN (E) FINISH PLAN
1/4" = 1'-0"



B1 117 MEN (E) FINISH PLAN
1/4" = 1'-0"



A1 MEN FINISH PLAN 112
1/4" = 1'-0"



GENERAL NOTES

- A. ALL DIMENSIONS ARE TO ROUGH FRAMING UNLESS OTHERWISE NOTED (U.N.O.)
- B. VERIFY ALL FINISHES, FIXTURES AND EQUIPMENT WITH ARCHITECT.
- C. PROVIDE FIBER-CEMENT OR GLASS-MAT BOARD AT TILE AREAS OF SHOWERS. GREEN BOARD IS NOT PERMITTED.
- D. PROVIDE SOLID BLOCKING AS REQUIRED FOR CABINETS, FIXTURES EQUIPMENT AND ACCESSORIES AS REQUIRED BY EACH COMPONENT'S MANUFACTURER, INCLUDING OWNER'S ACCESSORIES AND EQUIPMENT.
- E. REFER TO FINISH PLAN FOR INTERIOR ELEVATION REFERENCES.
- F. ALL INTERIOR WALLS TO BE 3-5/8" WOOD STUDS U.O.N. WITH 5/8" GWB ON BOTH SIDES U.O.N.
- G. ALL INTERIOR DOORS TO BE INSTALLED 4" FROM WALLS U.O.N.
- H. CONTRACTOR TO COORDINATE PAINT COLOR AND LOCATIONS WITH OWNER AND ARCHITECT.
- I. REFER TO AE-501 FOR TYPICAL MOUNTING HEIGHTS.

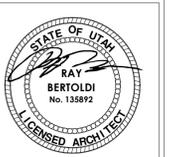
FINISH KEY

- B1 ROPPE, BLACK 4" STANDARD TOE BASE, COLOR: BLACK
- CAB1 HIGHLINE 7970K-18
- CT1 CORIAN COLOR: NATURAL CONCRETE W/BESED EDGE
- F1 SHAW STIPPLE TILE ST116 COLOR: SLATE
- F2 WALK-OFF CARPET, COORDINATE W/ARCHITECT
- F3 CROSSVILLE, NOTORIOUS COLOR: FEMME FATALE, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- F4 BIOSPEC SR 67369 COLOR: BEDROCK
- W4 NATURAL MAPLE, COORDINATE W/ARCHITECT
- W5 CROSSVILLE, NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- W6 CROSSVILLE, NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 3X15, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- W7 CROSSVILLE, NOTORIOUS FILM NOIR NTR06 W/HON FINISH, SIZE: 3X15, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- W8 CROSSVILLE, NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 24X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- W9 CROSSVILLE, NOTORIOUS FEMME FATALE NTR01 W/HON FINISH, SIZE: 6X12 COVE BASE, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"
- W10 SCHLUTER, A125ATGB JOLLY EDGE TRIM 1/2" ALUM BRUSH NICKEL



MCKAY-DEE HOME CARE CLINIC

4421 HARRISON BLVD, SUITE #A1, OGDEN, UT 84403



REV.	DATE
PROJECT #	1812
DATE:	04/19/2019
TITLE:	INTERIOR ELEVATIONS/ENLARGED FINISH PLANS

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SHEET:

AI-402

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
VALVES, METERS, AND GAUGES	
	SHUT OFF VALVE
	GATE VALVE
	CHECK VALVE
	AUTO 2-WAY VALVE
	AUTO 3-WAY VALVE
	GLOBE VALVE
	BALL VALVE
	RELIEF VALVE
	CHAIN OPERATED GATE VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
	SOLENOID VALVE
	ANGLE VALVE
	VENTURI
	BALANCING OR PLUG COCK
	FLOW SETTER
	EXPANSION VALVE (REFRIG.)
	GAS COCK
	MANUAL AIR VENT
	STRAINER
	GAUGE COCK
	FLEXIBLE CONNECTION
	PRESSURE GAUGE
	THERMOMETER
	VICTUAL COUPLING
	REDUCER CONCENTRIC
	REDUCER ECCENTRIC
	REFRIGERANT SITE GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
	90 DEG ELBOW UP
	90 DEG ELBOW DOWN
	90 DEG TEE UP
	90 DEG TEE DOWN
	UNION
	CAPPED PIPE
	ANCHOR
	FLOAT AND THERMOSTATIC TRAP
HVAC SYMBOLS	
	THERMOSTAT
	TEMPERATURE SENSOR
	HUMIDISTAT

SYMBOL LEGEND		
SYMBOL	DESCRIPTION	
DUCT WORK		
SINGLE LINE	DOUBLE LINE	DESCRIPTION
		RECTANGULAR SUPPLY DUCT UP
		RECTANGULAR SUPPLY DUCT DOWN
		RECTANGULAR RETURN DUCT UP
		RECTANGULAR RETURN DUCT DOWN
		RECTANGULAR EXHAUST DUCT UP
		RECTANGULAR EXHAUST DUCT DOWN
		ROUND DUCT UP
		ROUND DUCT DOWN
		ACCOUSTICALLY LINED RECTANGULAR DUCT
		90° RECTANGULAR ELBOW WITH TURNING VANES
		90° RADIUS ELBOW R=1.5
		DUCT SIZE OR SHAPE TRANSITION
		OPPOSED BLADE BALANCING DAMPER (O.B.D.) IN RECT DUCT
		BUTTERFLY BALANCING DAMPER IN ROUND DUCTS
		COMBINATION TEE
		SPLITTER DAMPER
		SQUARE OR RECTANGULAR CEILING DIFFUSER
		ROUND CEILING DIFFUSER
		SIDEWALL REGISTER SUPPLY OR RETURN
		ROUND FLEXIBLE DUCT
		RETURN GRILLE
		EXHAUST GRILLE
		FIRE SMOKE DAMPER
		FIRE DAMPER
		SMOKE DAMPER
		FLEXIBLE CONNECTION
		FLEXIBLE CONNECTION

PIPING LEGEND	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
	HIGH PRESSURE STEAM
	MEDIUM PRESSURE STEAM
	LOW PRESSURE STEAM
	HIGH PRESSURE CONDENSATE RETURN
	MEDIUM PRESSURE CONDENSATE RETURN
	LOW PRESSURE CONDENSATE RETURN
	PUMP DISCHARGE
	TEMPERED WATER SUPPLY
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	HEATING HOT WATER SUPPLY
	HEATING HOT WATER RETURN
	REFRIGERANT LIQUID
	REFRIGERANT SUPPLY
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	DRAIN LINE
	HOT GAS BYPASS
	GLYCOL SUPPLY
	GLYCOL RETURN
	FUEL OIL SUPPLY
	FUEL OIL VENT

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWING", "NOTED", "SCHEDULED" AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.	
APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."	
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
REFERENCE LINES AND SYMBOLS	
	DETAIL INDICATOR: # INDICATES DETAIL NUMBER. SHEET INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR, EXTERIOR: # INDICATES ELEVATION OR SECTION NUMBER, SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ELEVATION OR SECTION INDICATOR, INTERIOR: # INDICATES ELEVATION OR SECTION NUMBER, SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	SPACE NUMBER
	KEYNOTE INDICATOR
	REVISION INDICATOR
	EQUIPMENT INDICATOR
	PLUMBING FIXTURE INDICATOR
	DIFFUSER/GRILLE INDICATOR
	DIFFUSER/GRILLE INDICATOR
	BREAK, STRAIGHT
	BREAK, ROUND
	MATCHLINE INDICATOR
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE
	NEW CONNECTION TO EXISTING
	POINT OF DEMOLITION

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
(E)	EXISTING
(F)	FUTURE
AD	ACCESS DOOR
AIR COND	AIR CONDITION(-ING,-ED)
APD	AIR PRESSURE DROP
BD	BALANCING DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTU/HOUR	BTU/HOUR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
COND	CONDENS(-ER, -ING, -ATION)
CV	CONTROL VALVE
DB	DRY BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHW/R	DOMESTIC HOT WATER RECIRC
DP	DEPTH OR DEEP
EA	EXHAUST AIR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ELEC	ELECTRIC
ELEV	ELEVATION
ENT	ENTERING
EVAP	EVAPORAT(-E, -ING, -ED, -OR)
EWT	ENTERING WATER TEMPERATURE
EXT	EXTERNAL
FC	FLEXIBLE CONNECT(-OR, -ION)
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPI	FINS PER INCH
FS	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
GE	GREASE EXHAUST
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HG	MERCURY
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HTG	HEATING
HZ	HERTZ (FREQUENCY)
ID	INSIDE DIAMETER
INCH	INCH
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LG	LENGTH
LH	LATENT HEAT
LVG	LOOKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MFR	MANUFACTUR(-ER, -ED)
NC	NORMALLY CLOSED
NO	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
OZ	OUNCE
PD	PRESSURE DROP OR DIFFERENCE
PG	PROPYLENE GLYCOL
PH	PHASE
PPM	PARTS PER MILLION
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
R	THERMAL RESISTANCE
RA	RETURN AIR
RECIRC	RECIRCULATE
REFR	REFRIGERATION
REQD	REQUIRED
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SC	SHADING COEFFICIENT
SCFM	STANDARD CUBIC FEET PER MINUTE
SCW	SOFT COLD WATER
SF	SAFETY FACTOR
SH	SENSIBLE HEAT
SL	SEA LEVEL
SP	STATIC PRESSURE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
SW	SOIL, WASTE
TA(R)	TRANSFER AIR (RETURN)
TA(S)	TRANSFER AIR (SUPPLY)
TD	TEMP. DROP OR DIFF.
TEMP	TEMPERATURE
THERM	THERMAL
TOT	TOTAL
TSTAT	THERMOSTAT
V	VOLT
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY TEMPERATURE
VEL	VELOCITY
VENT	VENT, VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
WB	WET BULB TEMP
WC	WATER COLUMN
WG	WATER GAUGE
WPD	WATER PRESSURE DROP
WT	WEIGHT
WTR	WATER

MECHANICAL GENERAL NOTES	
1	THE MECHANICAL DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT & EXTENT OF THE MECHANICAL SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE & OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT.
	MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES OR MATERIAL REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER.
2	THE DRAWINGS & SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER & SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE & NOT THE OTHER BEING FURNISHED & INSTALLED AS THOUGH SHOWN & CALLED OUT IN BOTH.
3	THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, & ALL OTHER APPLICABLE CITY, COUNTY, STATE, & FEDERAL CODES & REGULATIONS IN EFFECT.
4	THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO ANY CODES, RULES, REGULATIONS & REQUIREMENTS OF THE BUILDING OWNER.
5	PRIOR TO FABRICATION & INSTALLATION OF ANY MECHANICAL COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
6	THE SPACE ABOVE ALL CEILINGS IS LIMITED. CAREFUL COORDINATION IS REQUIRED WITH ALL TRADES BEFORE ANY PIPE, DUCT, OR EQUIPMENT IS ORDERED & OR INSTALLED. ANY CONFLICTS &/OR CHANGES FOUND DURING INSTALLATION THAT RESULTS FROM THE LACK OF COORDINATION BY THE CONTRACTORS DURING THE SHOP DRAWING PROCESS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
7	ALL MECHANICAL INFORMATION IS NOT SHOWN ON THE MECHANICAL DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENT.
8	THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW & USE, WHERE APPROPRIATE, ALL THE MECHANICAL DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9	THE STRUCTURE SHOWN ON ALL DETAILS MAY OR MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUILDING. COORDINATE ALL MOUNTING REQUIREMENTS WITH ARCHITECTURAL & STRUCTURAL DRAWINGS.
10	ANY PART OF THE MECHANICAL INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
11	SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS & GRILLES.
12	CONTRACTOR SHALL OPERATE THE SYSTEM & DEMONSTRATE ALL ASPECTS OF THE SYSTEM TO THE ENGINEER &/OR OWNER TO PROVE ALL SYSTEMS ARE OPERATIONAL.
13	DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A SET OF AS-BUILT REDLINED RECORD DRAWING AT THE PROJECT SITE. ALL CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, & ACCESSORIES SHALL BE RECORDED. THESE REDLINED DRAWINGS SHALL BE GIVEN TO THE ARCHITECT/ENGINEER AFTER THE FINAL INSPECTION IN ACCORDANCE WITH SPECIFICATIONS.

GENERAL EQUIPMENT NOTES	
1	ALL CAPACITIES ARE AT JOB SITE CONDITIONS & ARE MINIMUM CAPACITY.
2	ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED TO CONFORM WITH LOCAL SEISMIC REQUIREMENTS & THE REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS.
3	VERIFY ALL REQUIRED SERVICE CONNECTIONS, INCLUDING ELECTRICAL CHARACTERISTICS FOR ALL EQUIPMENT PRIOR TO ORDERING EQUIPMENT.
4	ALL EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURAL MEMBERS.
5	ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
6	ALL SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER.
7	AIR INLETS & OUTLETS SHALL BE OF THE SAME MANUFACTURER.
8	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HVAC EQUIPMENT CHECK-IN, SAFEKEEPING, & DAMAGE.

MECHANICAL SHEET INDEX	
M-001	MECHANICAL COVER SHEET
M-100	MAIN FLOOR MECHANICAL DEMOLITION PLAN
M-101	MAIN FLOOR MECHANICAL PLAN
M-501	MECHANICAL DETAILS
M-601	MECHANICAL SCHEDULES

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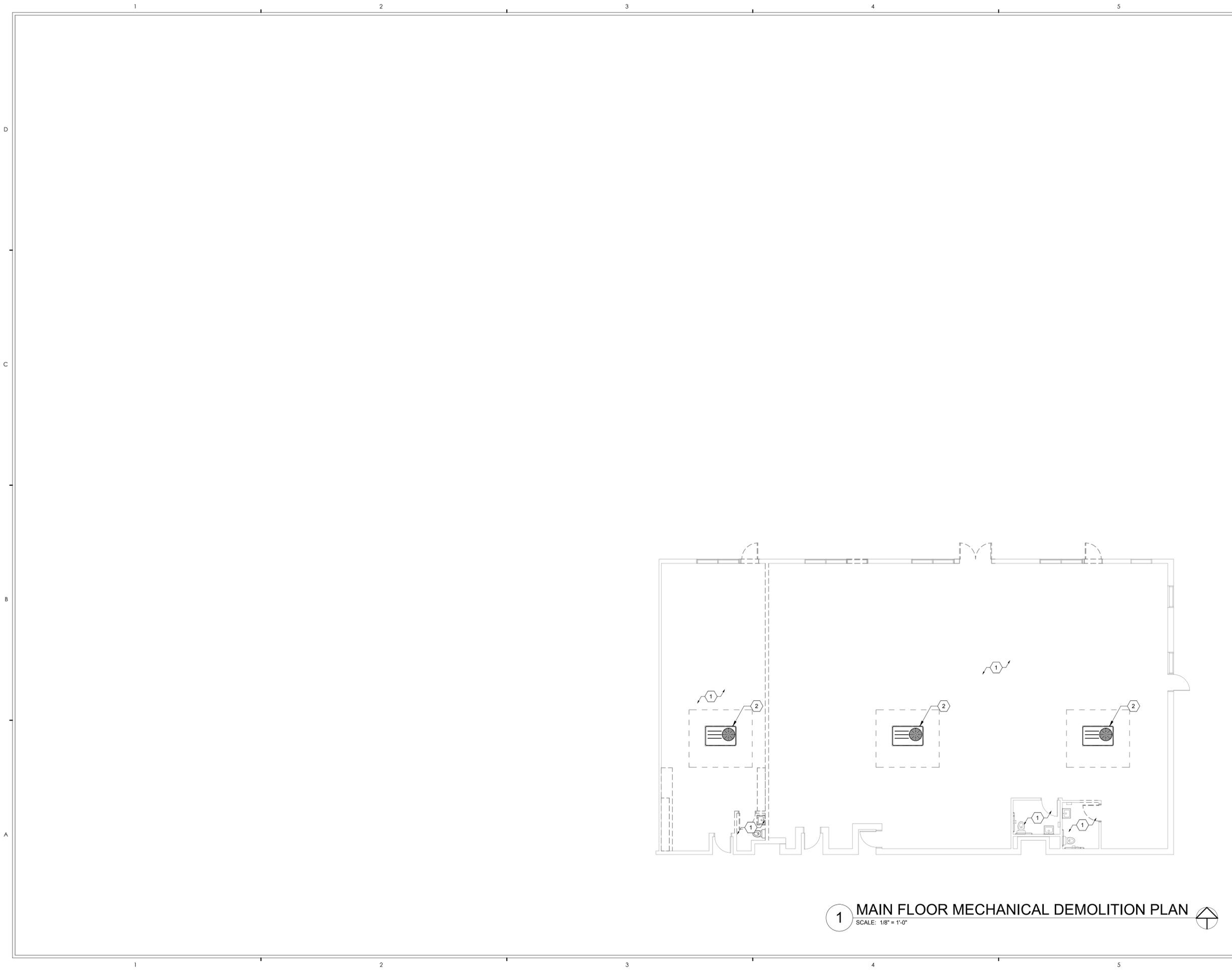
MCKAY - DEE HOME CARE CLINIC
4421 HARRISON BLVD., SUITE # A1, OGDEN, UT 84403

PROFESSIONAL SEAL
No. 4858892
JAMES M. McCULLOUGH
STATE OF UTAH
4/30/19

REV.	DATE
PROJECT #	1812
DATE:	01/07/2019
TITLE:	MECHANICAL COVER SHEET

SHEET:
M-001

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1 MAIN FLOOR MECHANICAL DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. NOT ALL EXISTING CONDITIONS SHOWN. CONTRACTOR TO VERIFY ALL LOCATIONS OF DUCT, DIFFUSERS, ETC. IN FIELD AND REMOVE AS NECESSARY.

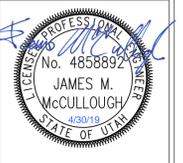
SHEET KEYNOTES

- 1 REMOVE ALL EXISTING SUPPLY, RETURN, AND EXHAUST DUCTWORK SERVING THIS AREA. CONTRACTOR TO VERIFY ALL LOCATIONS.
- 2 EXISTING RTU ON ROOF ABOVE TO REMAIN.

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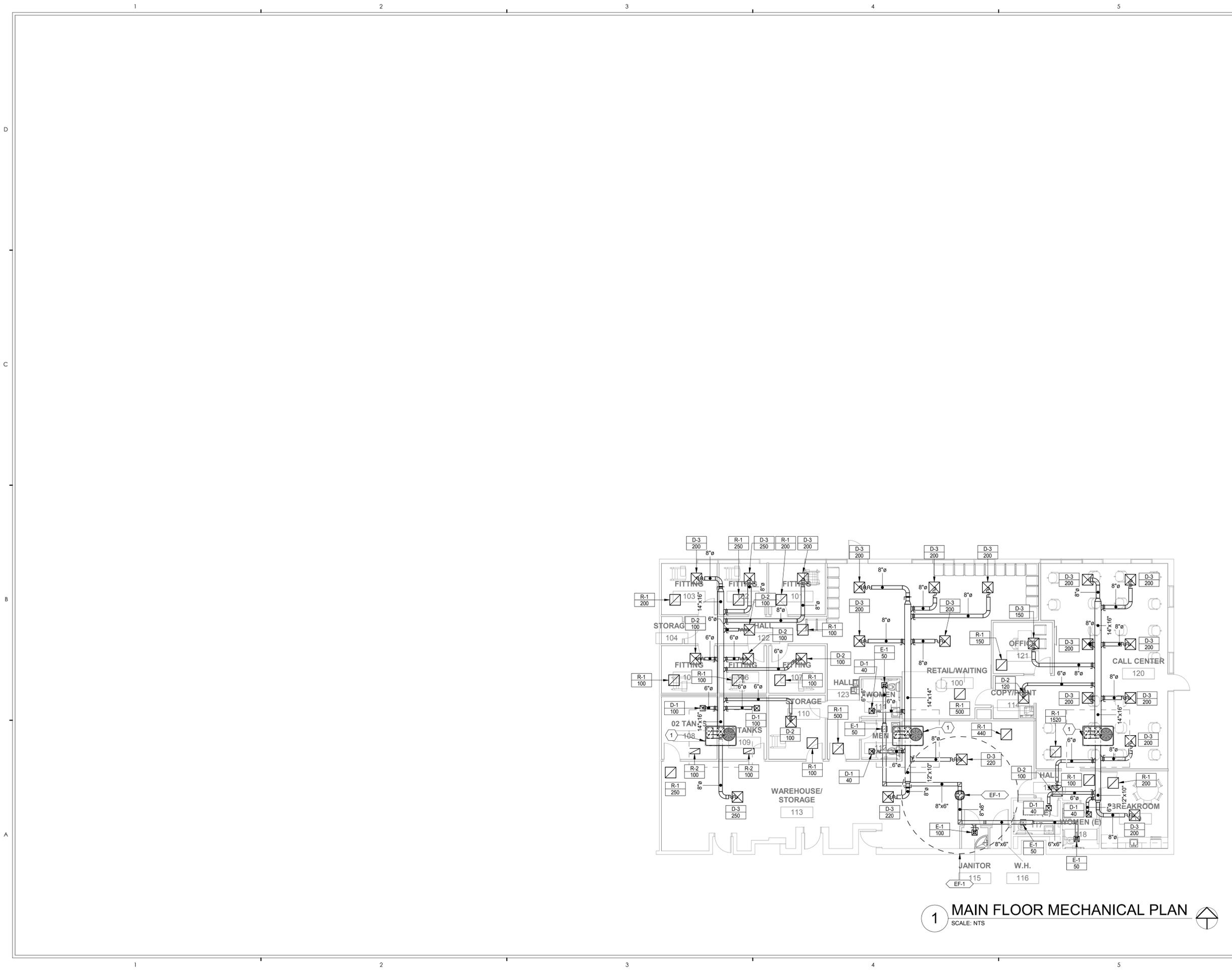
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MCKAY - DEE HOME CARE CLINIC
 4421 HARRISON BLVD., SUITE # A1, OGDEN, UT 84403



REV.	DATE
PROJECT #	1812
DATE:	01/07/2019
TITLE:	MAIN FLOOR MECHANICAL DEMOLITION PLAN

SHEET:
M-100



1 MAIN FLOOR MECHANICAL PLAN
SCALE: NTS

GENERAL NOTES

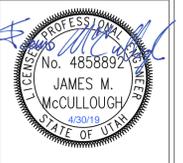
1. CONTRACTOR TO VERIFY EXISTING EQUIPMENT LOCATIONS AND MAKE MINOR CHANGES TO LAYOUT AS NECESSARY.

SHEET KEYNOTES

1. EXISTING RTU ON ROOF ABOVE TO REMAIN.

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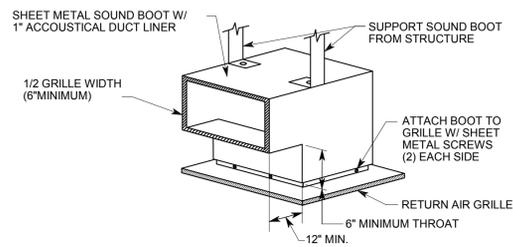
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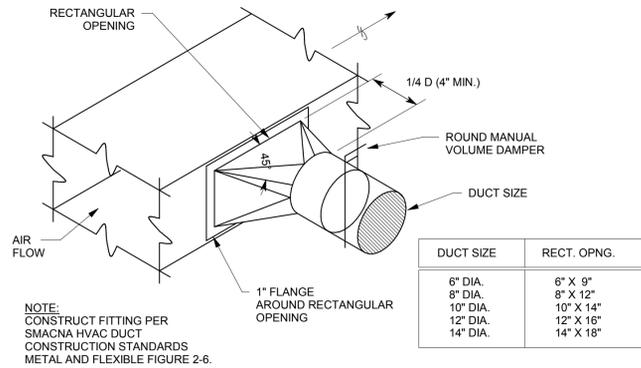
REV.	DATE
PROJECT #	1812
DATE:	01/07/2019
TITLE:	MAIN FLOOR MECHANICAL PLAN

SHEET:

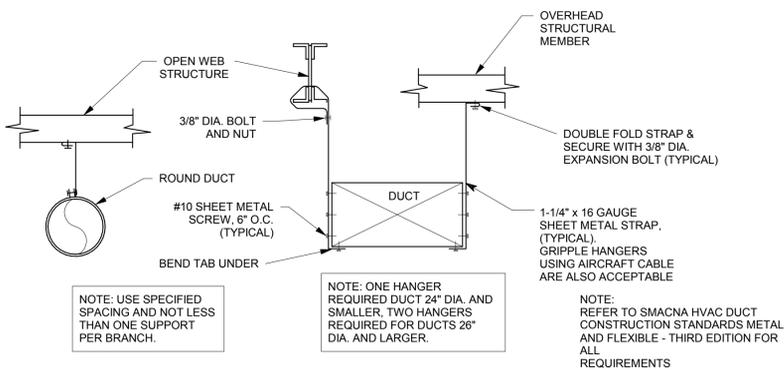
M-101



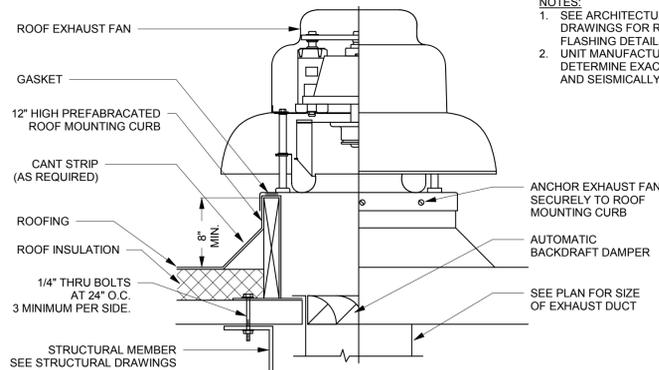
8 R.A. GRILLE WITH SOUND BOOT
SCALE: NTS



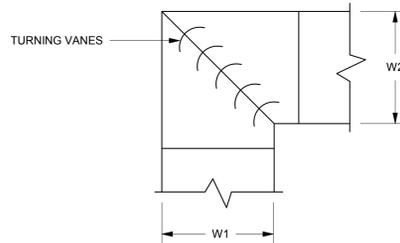
7 DUCT HIGH EFFICIENCY TAKE-OFF
SCALE: NTS



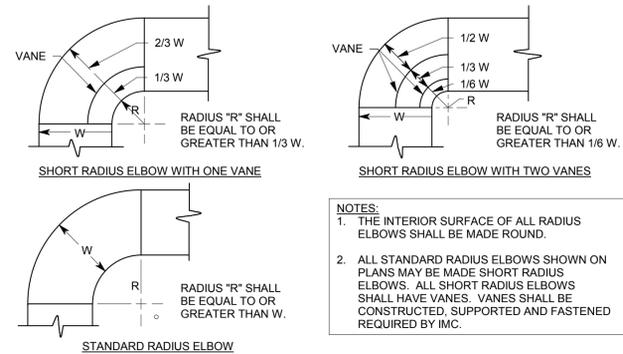
6 DUCT HANGER
SCALE: NTS



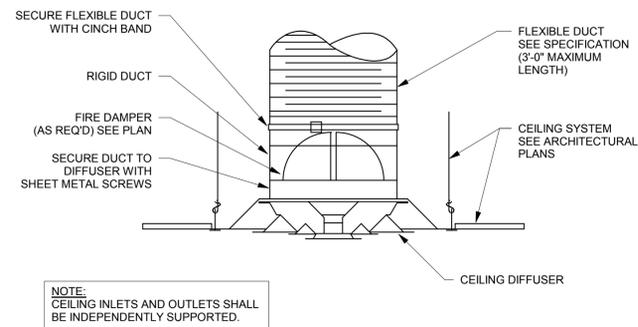
9 ROOF EXHAUST FAN
SCALE: NTS



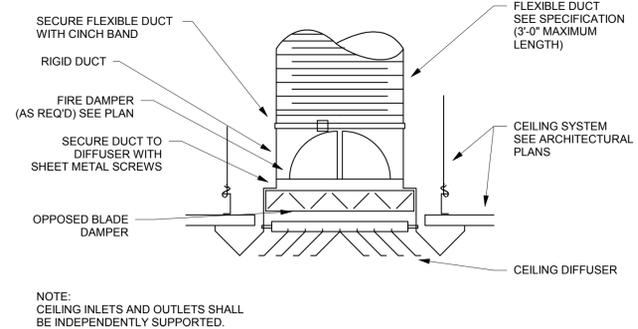
5 DUCT ELBOW - SQUARE
SCALE: NTS



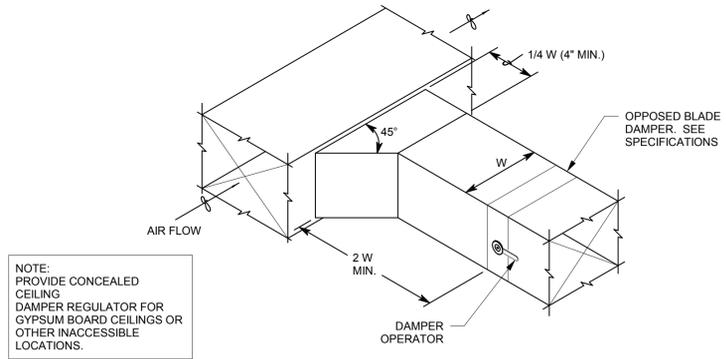
4 DUCT ELBOW - ROUND
SCALE: NTS



3 CEILING DIFFUSER LAY-IN
SCALE: NTS



2 CEILING DIFFUSER - SURFACE
SCALE: NTS



1 BRANCH TAKE-OFF
SCALE: NTS

REGISTER - GRILLE- DIFFUSER SCHEDULE

APPROVED EQUALS:			REMARKS:									
KRUEGER TUTTLE & BAILEY TITUS PRICE			(1) REGISTERS AND GRILLES SHALL BE TESTED IN ACCORDANCE WITH ANSI/ASHRAE STD 70. (2) NC VALUES ARE BASED ON OCTAVE BAND SOUND POWER LEVELS MINUS A ROOM ABSORPTION OF 10 dB, RE 10(-12) WATTS. (3) COORDINATE EXACT COLOR SELECTION WITH OWNER AND ARCHITECT.									
LABEL	COUNT	TYPE	BLOW PATTERN	MAX AIR FLOW (CFM)	FACE SIZE	NECK SIZE	MAX NC	PRESSURE DROP (in-wg)	THROW	MANUFACTURER	MODEL	REMARKS
D-1	6	SQUARE PLAQUE	4 WAY	196	12x12	06	28	0.303	15	Titus	OMNI	ALL
D-2	7	SQUARE PLAQUE	4 WAY	235	24x24	06	28	0.099	11	Titus	OMNI	ALL
D-3	20	SQUARE PLAQUE	4 WAY	349	24x24	08	25	0.112	13	Titus	OMNI	ALL
E-1	5	EXHAUST	-	700	12x12	-	30	0.130	-	Titus	350RL	ALL
R-1	16	EGGCRATE	-	3000	24x24	-	26	0.096	-	Titus	50F	ALL
R-2	2	EGGCRATE	-	1450	24x12	-	25	0.096	-	Titus	50F	ALL

DUCT INSULATION REQUIREMENTS

DUCT SYSTEM	DUCT LOCATION	INSULATION MATERIALS	MINIMUM THERMAL RESISTANCE ("R")	FIELD APPLIED JACKET
SUPPLY AIR	BUILDING INTERIOR, CONCEALED	MINERAL-FIBER BLANKET	5.0	NONE
	BUILDING INTERIOR, EXPOSED, OUTSIDE CONDITIONED SPACE	MINERAL-FIBER BLANKET	5.0	NONE
	BUILDING EXTERIOR (OUTSIDE BUILDING INSULATION)	MINERAL-FIBER BLANKET	8.0	ALUMINUM
RETURN AIR	BUILDING INTERIOR, CONCEALED	MINERAL-FIBER BLANKET	5.0	NONE
	BUILDING INTERIOR, EXPOSED, OUTSIDE CONDITIONED SPACE	MINERAL-FIBER BLANKET	5.0	NONE
	BUILDING EXTERIOR (OUTSIDE BUILDING INSULATION)	MINERAL-FIBER BLANKET	8.0	ALUMINUM
EXHAUST AIR	ALL	NONE	---	---
OUTSIDE AIR	BUILDING INTERIOR, CONCEALED OR EXPOSED	MINERAL-FIBER BLANKET	8.0	NONE
FLEXIBLE DUCT	BUILDING INTERIOR	MINERAL-FIBER BLANKET POLYETHYLENE INNER AND OUTER JACKET	5.0	NONE

NOTES

1. ALL DUCT INSULATION SHALL HAVE ALL SERVICE JACKET MANUFACTURER FROM KRAFT PAPER, REINFORCED SCRIM, ALUMINUM FOIL, OR VINYL FILM.
2. DUCT INSULATION SHALL BE MECHANICALLY FASTENED TO DUCTS WIDER THAN 24" AND SHALL BE AFFIXED TO BOTTOM OF DUCT WITH WELDED METAL PINS AND 2" WASHERS AT 18" MAXIMUM SPACING.
3. DUCT LINER, WHERE SHOWN ON DRAWINGS, SHALL BE A MINIMUM OF 1" THICK AND SHALL HAVE A MINIMUM "R" VALUE OF 3.8.
4. DUCT LINER SHALL NOT BE SUBSTITUTED FOR DUCT WRAP UNLESS THE MINIMUM "R" VALUE OF THE DUCT LINER IS INCREASED TO 5.0.
5. DUCT DIMENSIONS SHOWN ON THE DRAWINGS ARE NET FREE AREA. WHERE DUCT LINER IS SHOWN, INCREASE METAL DUCT SIZE TO ALLOW FOR THICKNESS OF DUCT LINER.
6. TOTAL LENGTH OF FLEXIBLE DUCT RUN SHALL NOT EXCEED 3'-0". EXTEND SHEET METAL DUCT TO WITHIN 3'-0" OF THE AIR INLET OR AIR OUTLET DEVICE.
7. OFFSET OF FLEXIBLE DUCT SHALL NOT EXCEED ONE HALF OF THE DUCT DIAMETER.
8. ALL DUCT CHANGES IN DIRECTION SHALL BE MADE WITH RIGID ELBOWS OR OTHER RIGID METAL FITTINGS.
9. INDOOR DUCT INSULATION AND RELATED MATERIALS SHALL HAVE A FLAME-SPREAD INDEX OF 25 OR LESS, AND SMOKE-DEVELOPED INDEX OF 50 OR LESS WHEN TESTED TO ASTM 84.
10. OUTDOOR DUCT INSULATION AND RELATED MATERIALS SHALL HAVE A FLAME-SPREAD INDEX OF 75 OR LESS, AND SMOKE-DEVELOPED INDEX OF 150 OR LESS WHEN TESTED TO ASTM 84.
11. ALL DUCT COVERINGS AND LININGS SHALL NOT FLAME, GLOW, SMOLDER, OR SMOKE WHEN TESTED IN ACCORDANCE WITH ASTM 411.
12. ALL MATERIALS USED AS INTERNAL INSULATION AND EXPOSED TO THE AIR STREAM IN DUCTS SHALL BE SHOWN TO BE DURABLE WHEN TESTED IN ACCORDANCE WITH UL 181.

EXHAUST FAN SCHEDULE

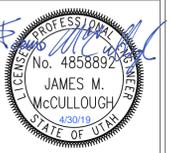
APPROVED EQUALS:			REMARKS:									
PENN BARRY LOREN COOK TWIN CITY GREENHECK BROAN			(1) ALL ALUMINUM CONSTRUCTION (2) BACKDRAFT DAMPER (3) INTEGRAL THERMAL OVERLOAD PROTECTION (4) SPRING CEILING MOUNTED VIBRATION ISOLATOR (5) DISCONNECT SWITCH					(6) CAPACITY AT JOB SITE ELEVATION (7) CEILING RADIATION DAMPER (8) CONTROLLED BY WALL SWITCH (9) CONTROLLED BY OCCUPANCY SENSOR (10) 14" SEISMIC ROOF CURB				
LABEL	CFM	STATIC PRESSURE	FAN RPM	SOUND RATING	WEIGHT	HP	VOLTAGE	PHASE	Hz	MANUFACTURER	MODEL	REMARKS
EF-1	300	0.35 in-wg	1559	7.4	26	1/10	120	1	60	Greenheck	G-80-VG	(1)(2)(3)(5)(6)(9)(10)

DAMPER SCHEDULE

SYMBOL	DESCRIPTION	OPTIONS & ACCESSORIES	MANUFACTURER & MODEL
MVD	MANUAL VOLUME DAMPER: RECTANGULAR, SINGLE BLADE, 22 GAUGE GALVANIZED STEEL BLADE, MOLDED...	2" STAND OFF BRACK WITH HEAVY DUTY LOCKING QUADRANT (DURA-DYNE 8177)	RUSKIN MD25
RMVD	MANUAL VOLUME DAMPER: ROUND, SINGLE BLADE, 22 GAUGE GALVANIZED STEEL BLADE, MOLDED...	2" STAND OFF BRACKET WITH HEAVY DUTY LOCKING QUADRANT (DURA-DYNE 8177)	RUSKIN MDRS25
HEF	HIGH EFFICIENCY FITTING: 24 GAUGE GALVANIZED CONSTRUCTION, 18 GAUGE GALVANIZED STEEL BLADE, SOLID ROD, MOLDED SYNTHETIC BEARING, 1" FLANGE, EPDM RUBBER GASKET, INLET SIZE TO CONFORM TO SMACNA FIGURE 2-6 "BRANCH CONNECTIONS"	2" STAND OFF BRACKET WITH HEAVY DUTY LOCKING QUADRANT (DURA-DYNE 8177)	DUCTMATE SHTS15



MCKAY - DEE HOME CARE CLINIC
 4421 HARRISON BLVD., SUITE # A1, OGDEN, UT 84403



REV.	DATE
PROJECT #	1812
DATE:	01/07/2019
TITLE:	MECHANICAL SCHEDULES

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

SHEET:
M-601

MISC. SYMBOL LEGEND	
SYMBOL	DESCRIPTION
# SHEET	DETAIL INDICATOR: # INDICATES DETAIL NUMBER, SHEET INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
# SHEET	ELEVATION OR SECTION INDICATOR, EXTERIOR: # INDICATES ELEVATION OR SECTION NUMBER, SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
100	ROOM OR SPACE NUMBER.
1	KEYNOTE INDICATOR.
△	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
P-	PLUMBING FIXTURE INDICATOR.
TYPE CFM SIZE	DIFFUSER/GRILLE INDICATOR.
TYPE SIZE	DIFFUSER/GRILLE INDICATOR.
— —	BREAK, STRAIGHT
— — —	BREAK, ROUND.
— — — —	MATCH LINE INDICATOR
-----	HIDDEN FEATURES LINE: HIDDEN, THIN LINE.
- - - - -	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
—●—	NEW CONNECTION POINT TO EXISTING

PLUMBING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
▣	C.B. CATCH BASIN
○	M.H. MANHOLE
+	W.H. WALL HYDRANT
└┘	H.B. HOSE BIBB
—□—	CLEANOUT TO GRADE
—○—	FLOOR CLEANOUT
— —	WALL CLEANOUT
▣	1/2 GRATE
▣	3/4 GRATE
▣	FULL GRATE

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.	
APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."	
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	

PLUMBING PIPING LEGEND	
SYMBOL	DESCRIPTION
— — — —	SANITARY SEWER (SS)
— — — —	GREASE WASTE (GW)
— — — —	VENT (V)
— — — — —	ACID VENT
— — — —	ACID WASTE
— — — — —	DOMESTIC COLD WATER (DCW)
— — — — —	DOMESTIC HOT WATER (DHW)
— — — — —	DOMESTIC HOT WATER RECIRC (DHWRC)
— — — —	180° HOT WATER
— — — —	180° HOT WATER RETURN
— — — —	160° HOT WATER
— — — —	160° HOT WATER RETURN
— — — —	RAINWATER
— — — —	SECONDARY RAINWATER
— — — —	STORM DRAIN
VTR	VENT THRU ROOF
— — — —	NON POTABLE WATER
—(E)—	EXISTING PIPE
—(E)—	EXISTING PIPE TO BE REMOVED
— — — —	IRRIGATION WATER
— — — —	SANITARY SEWER
— — — —	LOW PRESSURE STEAM
— — — —	CHILLED WATER SUPPLY
— — — —	CHILLED WATER RETURN
— — — —	HEATING HOT WATER SUPPLY
— — — —	HEATING HOT WATER RETURN
— — — —	CONDENSER WATER SUPPLY
— — — —	CONDENSER WATER RETURN
— — — —	GLYCOL SUPPLY
— — — —	GLYCOL RETURN
— — — —	GAS
— — — —	FIRE PROTECTION
— — — —	PROPANE
— — — —	VACUUM
— — — —	COMPRESSED AIR
— — — —	MEDICAL AIR
— — — —	OXYGEN
— — — —	NITROUS OXIDE
— — — —	NITROGEN
— — — —	CARBON DIOXIDE
— — — —	EVACUATION

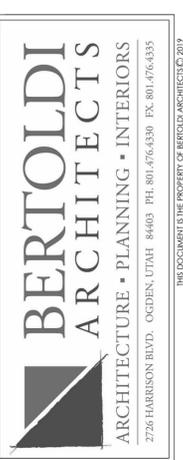
SYMBOL LEGEND	
SYMBOL	DESCRIPTION
VALVES, METERS, AND GAUGES	
— — — —	SHUT OFF VALVE
— — — —	GATE VALVE
— — — —	CHECK VALVE
— — — —	AUTO 2-WAY VALVE
— — — —	AUTO 3-WAY VALVE
— — — —	GLOBE VALVE
— — — —	BALL VALVE
— — — —	RELIEF VALVE
— — — —	CHAIN OPERATED GATE VALVE
— — — —	PRESSURE REDUCING VALVE
— — — —	BUTTERFLY VALVE
— — — —	SOLENOID VALVE
— — — —	ANGLE VALVE
— — — —	VENTURI
— — — —	BALANCING OR PLUG COCK
— — — —	FLOW SETTER
— — — —	EXPANSION VALVE (REFRIG.)
— — — —	GAS COCK
— — — —	MANUAL AIR VENT
— — — —	STRAINER
— — — —	GAUGE COCK
— — — —	FLEXIBLE CONNECTION
— — — —	PRESSURE GAUGE
— — — —	THERMOMETER
— — — —	VICTUALIC COUPLING
— — — —	REDUCER CONCENTRIC
— — — —	REDUCER ECCENTRIC
— — — —	REFRIGERANT SITE GLASS
— — — —	REFRIGERANT STRAINER
— — — —	REFRIGERANT FILTER DRIER
— — — —	90 DEG ELBOW UP
— — — —	90 DEG ELBOW DOWN
— — — —	90 DEG TEE UP
— — — —	90 DEG TEE DOWN
— — — —	UNION
— — — —	CAPPED PIPE
— — — —	ANCHOR
— — — —	FLOAT AND THERMOSTATIC TRAP

PLUMBING SHEET INDEX	
P-001	PLUMBING COVER SHEET
P-100	MAIN FLOOR PLUMBING DEMOLITION PLAN
P-101	MAIN FLOOR PLUMBING PLAN - DWV
P-102	MAIN FLOOR PLUMBING PLAN - WATER
P-501	PLUMBING DETAILS
P-601	PLUMBING SCHEDULES

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
(E)	EXISTING
(F)	FUTURE
AD	ACCESS DOOR
AIR COND	AIR CONDITION(-ING,-ED)
AP	AIR PRESSURE DROP
AD	BALANCING DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTU/H	BTU/HOUR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
COND	CONDENS(-ER, -ING, -ATION)
CV	CONTROL VALVE
DB	DRY BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWRC	DOMESTIC HOT WATER RECIRC
DP	DEPTH OR DEEP
EA	EXHAUST AIR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ELEC	ELECTRIC
ELEV	ELEVATION
ENT	ENTERING
EVAP	EVAPORAT(-E, -ING, -ED, -OR)
EWT	ENTERING WATER TEMPERATURE
EXT	EXTERNAL
FC	FLEXIBLE CONNECT(-OR, -ION)
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
GE	GREASE EXHAUST
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HG	MERCURY
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HTG	HEATING
HZ	HERTZ (FREQUENCY)
ID	INSIDE DIAMETER
IN	INCH
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LG	LENGTH
LH	LATENT HEAT
LRA	LOCKED ROTOR AMPS
LVG	LEAVING WATER TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MFR	MANUFACTUR(-ER, -ED)
NC	NORMALLY CLOSED
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
OZ	OUNCE
PD	PRESSURE DROP OR DIFFERENCE
PG	PROPYLENE GLYCOL
PH	PHASE
PPM	PARTS PER MILLION
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
R	THERMAL RESISTANCE
RA	RETURN AIR
RECIRC	RECIRCULATE
REFR	REFRIGERATION
REQD	REQUIRED
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SC	SHADING COEFFICIENT
SCFM	STANDARD CUBIC FEET PER MINUTE
SCW	SOFT COLD WATER
SF	SAFETY FACTOR
SH	SENSIBLE HEAT
SL	SEA LEVEL
SP	STATIC PRESSURE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
SW	SOIL, WASTE
TA(R)	TRANSFER AIR (RETURN)
TA(S)	TRANSFER AIR (SUPPLY)
TD	TEMP. DROP OR DIFF.
TEMP	TEMPERATURE
THERM	THERMAL
TOT	TOTAL
TSTAT	THERMOSTAT
V	VOLT
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY TEMPERATURE
VEL	VELOCITY
VENT	VENT, VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
WB	WET BULB TEMP
WC	WATER COLUMN
WG	WATER GAUGE
WPD	WATER PRESSURE DROP
WT	WEIGHT
WTR	WATER

PLUMBING GENERAL NOTES	
1	THE PLUMBING DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT AND EXTENT OF THE PLUMBING SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES OR MATERIAL REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER.
2	THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
3	THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND FEDERAL CODES AND REGULATIONS IN EFFECT.
4	THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS OF THE BUILDING OWNER.
5	PRIOR TO FABRICATION AND INSTALLATION OF ANY PLUMBING COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
6	ALL PLUMBING INFORMATION IS NOT SHOWN ON THE PLUMBING DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS.
7	THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW AND USE, WHERE APPROPRIATE, ALL THE PLUMBING DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE PLUMBING SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8	ANY PART OF THE PLUMBING INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
9	PROVIDE PROPER PROVISIONS FOR EXPANSION, CONTRACTION, OR MOVEMENT OF ALL PIPING.
10	PROVIDE LARGE ENOUGH PIPE SLEEVES THROUGH WALL OR FLOOR TO ALLOW FOR ANTICIPATED DIFFERENTIAL MOVEMENT.
11	ALL PIPING SHALL BE SUPPORT WITH CLEVIS HANGERS (MSS TYPE 1), PERFORATED METAL STRAPS OR PLASTIC STRAPPING (PLUMBER TAPE) SHALL NOT BE USED TO SUPPORT OR BRACE ANY PIPE.
12	PROVIDE PIPE HANGERS WITHIN 18-INCHES OF ALL CHANGES OF DIRECTION.
13	PROVIDE SWAY BRACING FOR ALL PIPING 4" AND LARGER AT ALL CHANGES IN DIRECTION GREATER THAN 45-DEGREES.
14	ALL STEEL CLEVIS HANGERS USED TO SUPPORT COPPER PIPING SHALL BE COPPER OR PLASTIC COATED.
15	COPPER PIPING SHALL NOT COME IN CONTACT WITH FIRE TREATED LUMBER. PROVIDE 1/2" THICK SLIP-ON CLOSED CELL INSULATION WHERE COPPER PIPING IS ADJACENT TO FIRE TREATED LUMBER. CLOSED CELL INSULATION SHALL EXTEND A MINIMUM OF 1-1/2' PAST LUMBER.
16	ALL EXPOSED PIPING SHALL BE INSTALLED IN A NEATLY ARRANGED MANNER PARALLEL TO THE BUILDING STRUCTURE.
17	ALL EXPOSED DOMESTIC WATER PIPE IN OCCUPIED SPACES SHALL BE POLISHED CHROME PLATED.
18	ALL EXPOSED DRAINAGE PIPING IN OCCUPIED SPACES INCLUDING TRAPS UNDER SINKS SHALL BE POLISHED CHROME PLATED.
19	DRAWINGS SHOW GENERAL ARRANGEMENT OF THE DRAIN WASTE AND VENT SYSTEM WITH THE REQUIRED CLEANOUTS. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL CLEANOUTS AS REQUIRED BY THE PLUMBING CODE.
20	ALL SANITARY DRAINAGE SYSTEM PIPING 3" AND LARGER SHALL BE SLOPED IN DIRECTION OF FLOW AT A MINIMUM OF 1/8" PER FOOT.
21	ALL SANITARY DRAINAGE SYSTEM PIPING SMALLER THAN 3" SHALL BE SLOPED IN DIRECTION OF FLOW AT A MINIMUM OF 1/4" PER FOOT.
22	SLOPE VENT SYSTEM TOWARDS DRAINAGE SYSTEM.
23	SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER.
24	ALL EQUIPMENT SHALL PROVIDE THE SCHEDULED PERFORMANCE AT THE JOB SITE ELEVATION.
25	FIXTURE AND EQUIPMENT MODEL NUMBERS SHOWN IN PLUMBING FIXTURE SCHEDULE AND PLUMBING EQUIPMENT SCHEDULE ARE SHOWN TO ESTABLISH THE TYPE OF PRODUCT THAT SHALL BE USED. THE SELECTED PRODUCT SHALL MEET THE SCHEDULED PERFORMANCE DATA SHOWN ON THE SCHEDULE EVEN IF A DIFFERENT MODEL IS SUPPLIED THAT IS DIFFERENT THAN THAT SCHEDULED.
26	ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY FITTINGS, TRANSITIONS, VALVES AND OTHER DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.
27	SEE "PLUMBING FIXTURE SCHEDULE" FOR INDIVIDUAL TRAPS, WASTE, VENT, AND DOMESTIC WATER PIPING FOR INDIVIDUAL FIXTURES.
28	ALL PLUMBING EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY.
29	FIXTURES, EQUIPMENT AND PIPING INSTALLATION SHALL MEET NSF STANDARDS.

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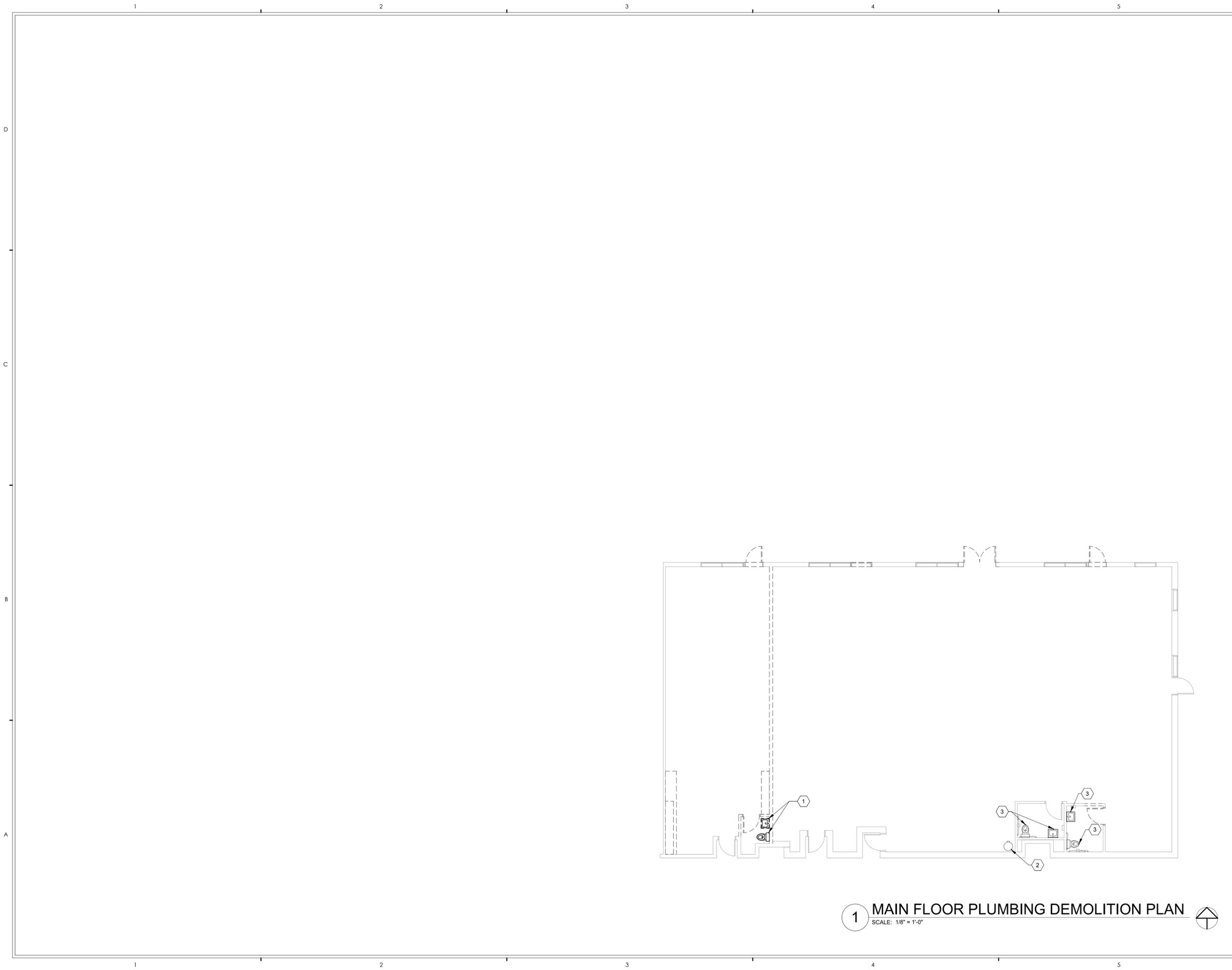


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REV.	DATE
PROJECT #	1812
DATE:	01/07/2019
TITLE:	PLUMBING COVER SHEET

SHEET:
P-001



1 MAIN FLOOR PLUMBING DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. NOT ALL EXISTING CONDITIONS SHOWN. CONTRACTOR TO VERIFY ALL LOCATIONS OF FIXTURES, PIPE, ETC. IN FIELD AND REMOVE AS NECESSARY.

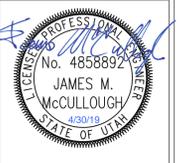
SHEET KEYNOTES

- 1 REMOVE EXISTING FIXTURE AND CAP PIPES AT MAIN. CONTRACTOR TO VERIFY PIPE LOCATIONS.
- 2 EXISTING WATER HEATER TO REMAIN.
- 3 EXISTING FIXTURE TO REMAIN.

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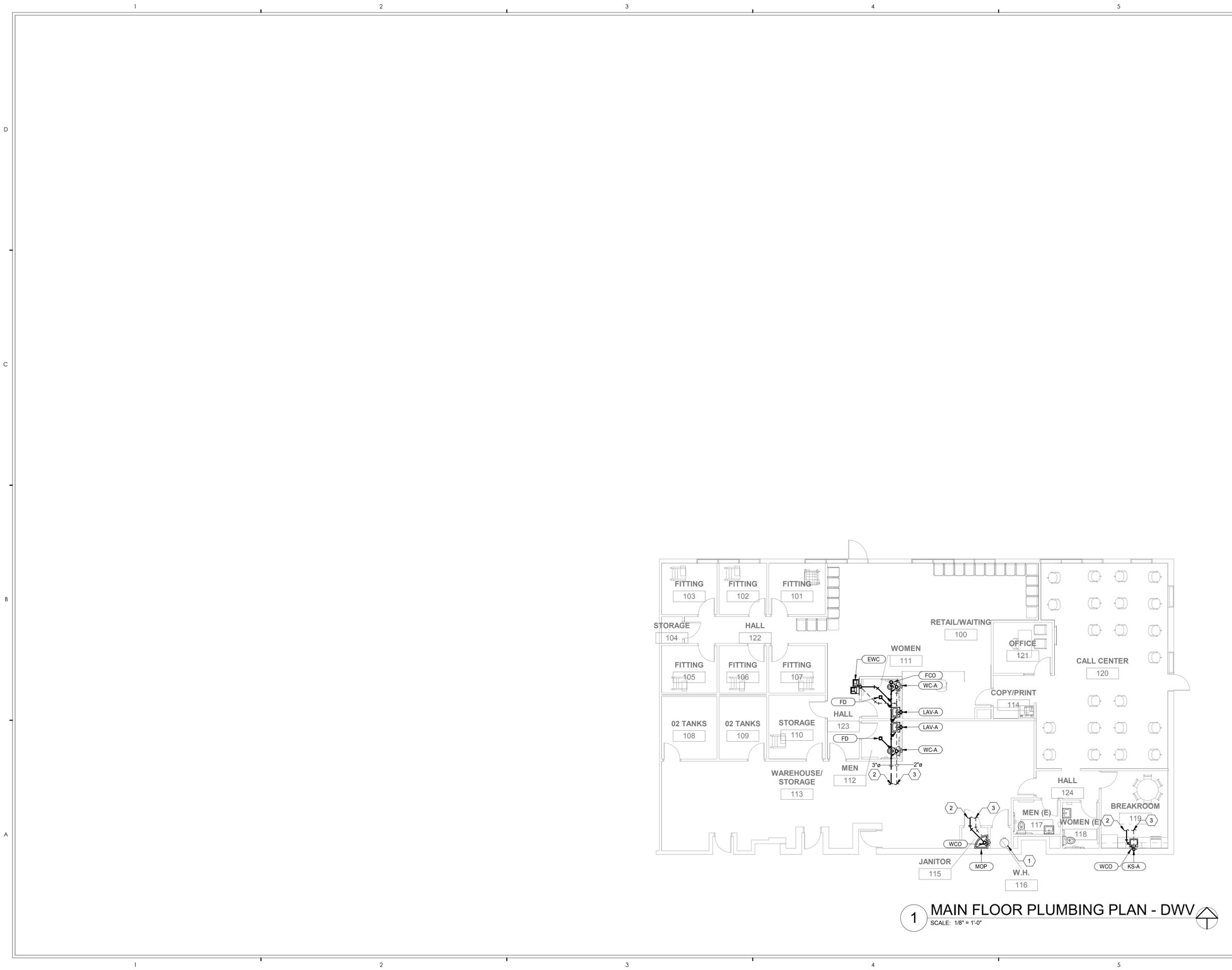
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REV.	DATE
PROJECT #	1812
DATE:	01/07/2019
TITLE:	MAIN FLOOR PLUMBING DEMOLITION PLAN

SHEET:
P-100



1 MAIN FLOOR PLUMBING PLAN - DWV
 SCALE: 1/8" = 1'-0"

GENERAL NOTES

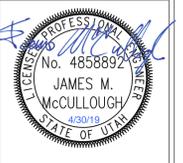
1. CONTRACTOR TO VERIFY EXISTING EQUIPMENT AND PIPE LOCATIONS AND MAKE MINOR CHANGES TO LAYOUT AS NECESSARY.

SHEET KEYNOTES

- 1 EXISTING WATER HEATER TO REMAIN.
- 2 CONNECT SANITARY TO NEAREST MAIN WHERE IT EXISTS IN THE FIELD. CONTRACTOR TO VERIFY LOCATION.
- 3 CONNECT VENT TO NEAREST MAIN WHERE IT EXISTS IN THE FIELD. CONTRACTOR TO VERIFY LOCATION.

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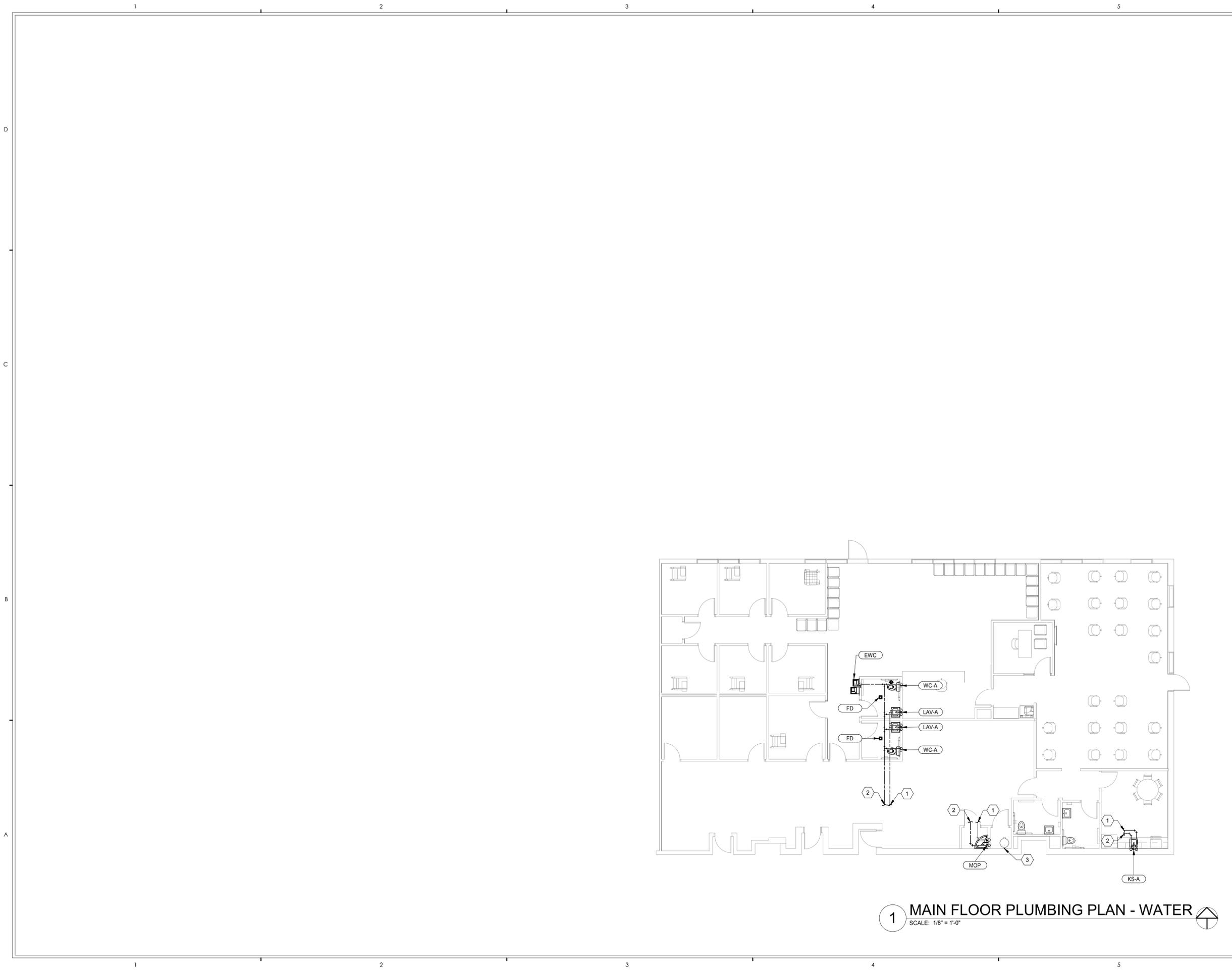
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REV.	DATE
PROJECT #	1812
DATE:	01/07/2019
TITLE:	MAIN FLOOR PLUMBING PLAN - DWV

SHEET:
P-101

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1 MAIN FLOOR PLUMBING PLAN - WATER
 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. CONTRACTOR TO VERIFY EXISTING EQUIPMENT AND PIPE LOCATIONS AND MAKE MINOR CHANGES TO LAYOUT AS NECESSARY.

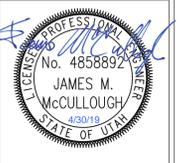
SHEET KEYNOTES

- 1. CONNECT DHW TO NEAREST MAIN WHERE IT EXISTS IN THE FIELD. CONTRACTOR TO VERIFY LOCATION.
- 2. CONNECT DCW TO NEAREST MAIN WHERE IT EXISTS IN THE FIELD. CONTRACTOR TO VERIFY LOCATION.
- 3. EXISTING WATER HEATER TO REMAIN.

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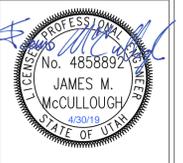
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REV.	DATE
PROJECT #	1812
DATE:	01/07/2019
TITLE:	MAIN FLOOR PLUMBING PLAN - WATER

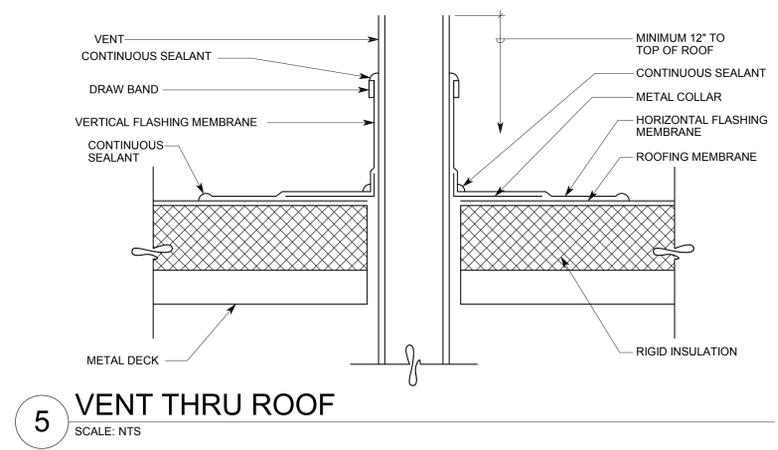
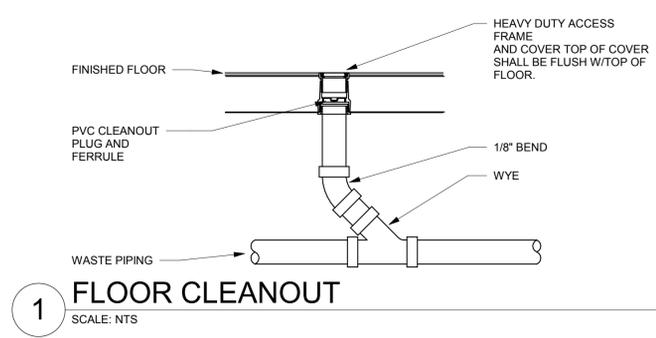
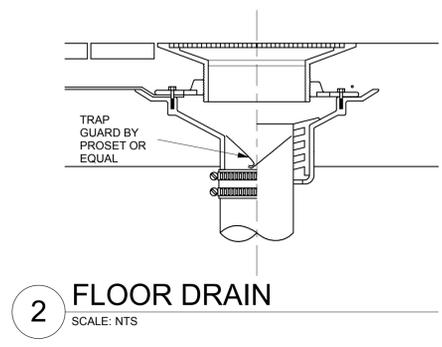
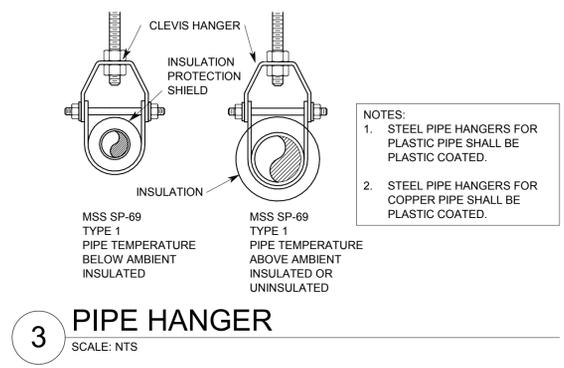
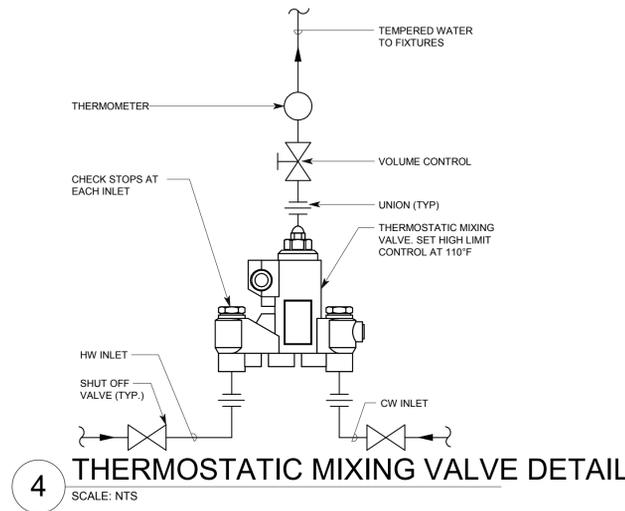
SHEET:
P-102



REV.	DATE
PROJECT #	1812
DATE:	01/07/2019
TITLE:	PLUMBING DETAILS

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

SHEET:
P-501



PLUMBING FIXTURE SCHEDULE

LABEL	DESCRIPTION	WASTE	TRAP	VENT	CW	HW	MANUFACTURER	MODEL	REMARKS
EWC	BI-LEVEL ELECTRIC WATER COOLER	1 1/2"	1 1/2"	1 1/2"	1/2"	0"	ELKAY	EZSTL8	ELECTRICAL DATA: 120/1, 4 FLA, 370 WATTS
FCO	FLOOR CLEANOUT	0"	---	0"	0"	0"	ZURN	Z1400 SERIES	SIZE TO MATCH PIPE BEING SERVED
FD	FLOOR DRAIN	2"	2"	2"	0"	0"	FIXTURE: ZURN TRAP SEAL: RECTORSEAL	FIXTURE: Z415-BZ1 TRAP SEAL: SURESEAL	TRAP SEAL TO MATCH FD SIZE
KS-A	UNDERMOUNT SINGLE BOWL KITCHEN SINK (ACCESSIBLE)	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	FIXTURE: ELKAY FAUCET: KOHLER DISPOSER: INSINKERATOR TMV: BRADLEY	FIXTURE: ELUH2115PD FAUCET: K-10445 DISPOSER: BADGER 5 TMV: S59-4016 SERIES	MOUNT AT ADA HEIGHT DISPOSER ELECTRICAL: 1/2 HP, 1725 RPM, 6.3A, 120/1
LAV-A	WALL MOUNTED LAVATORY (ACCESSIBLE)	1 1/4"	1 1/4"	1 1/2"	1/2"	1/2"	FIXTURE: KOHLER FAUCET: KOHLER INSULATION: TRUEBRO TMV: BRADLEY	FIXTURE: K-2035-1 FAUCET: K013461 INSULATION: LAVGUARD 2 TMV: S59-4016 SERIES	MOUNT AT ADA HEIGHT SET TMV AT 110 DEG. F.
MOP	SERVICE SINK	3"	3"	2"	3/4"	3/4"	FIXTURE: MUSTEE FAUCET: KOHLER	FIXTURE: 63M FAUCET: K-8907	PROVIDE HOSE AND HOSE HOLDER, MOP HANGER, BUMPER AND WALL GUARDS
WC-A	FLOOR MOUNT TANK WATER CLOSET (ACCESSIBLE)	3"	INT.	2"	1"	0"	FIXTURE: KOHLER SEAT: BEMIS	FIXTURE: K-3519 SEAT: 1955CTJ	
WCO	WALL CLEANOUT	0"	---	0"	0"	0"	ZURN	Z1440	SIZE TO MATCH PIPE BEING SERVED

PLUMBING PIPE MATERIAL SCHEDULE

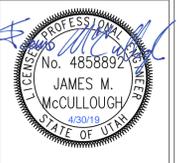
SERVICE	PIPE MATERIAL	FITTINGS	JOINTS	NOTES
DOMESTIC WATER DISTRIBUTION	ASTM B88 TYPE "L" COPPER TUBING	ASTM B16.18 CAST COPPER-ALLOY SOLDER JOINT OR ASTM B16.22 WROUGHT COPPER SOLDER JOINT	ASTM B32 LEAD FREE SOLDER	
	ASTM F876 AND/OR F877 CROSS-LINKED POLYETHYLENE (PEX) SDR 9	ASTM F877 LEAD FREE BRASS INSERT OR ASTM F 1960 ENG. PLASTIC INSERT	ASTM F877 COPPER CRIMP RING OR ASTM F 1960 COLD EXPANSION	FITTING AND JOINING METHOD APPROVED BY PIPE MANUFACTURER PROVIDE A 2-FT x 3-FT THERMAL EXPANSION LOOP FOR EVERY 60 FT OF LINEAR HOT WATER PIPE SECTION
DRAIN WASTE AND VENT (BELOW GRADE)	ASTM F 891 SCHEDULE 40 CELLULAR CORE PVC	ASTM AD 2665 DRAINAGE PATTERN	ASTM D 2564 SOLVENT CEMENT	
DRAIN WASTE AND VENT (ABOVE GRADE)	ASTM F 891 SCHEDULE 40 CELLULAR CORE PVC	ASTM AD 2665 DRAINAGE PATTERN	ASTM D 2564 SOLVENT CEMENT	
NATURAL GAS	ASTM A53 SCHEDULE 40 BLACK STEEL	ASTM B16.3 CLASS 150 MALLEABLE IRON OR ASTM B16.9 BUTT WELDED STEEL	THREADED TEFLON TAPE	
CONDENSATE DRAIN	ASTM D 1785 SCHEDULE 40 POLYVINYL CHLORIDE (PVC)	ASTM D 2466 PVC SOCKET JOINT	ASTM F 656 PURPLE PRIMER ASTM D 2664 SOLVENT CEMENT	

VALVE SCHEDULE

SERVICE	VALVE TYPE	PIPE SIZE	DESCRIPTION
DOMESTIC WATER SERVICE	BALL VALVE	2" & SMALLER	COPPER ALLOY, 2-PIECE, STANDARD PORT, CHROME PLATED BALL, TFE SEAT, LEVER HANDLE, 400 PSIG WOG, MSS SP-110, SOLDERED OR THREADED END
	CHECK VALVE	2" & SMALLER	BRONZE BODY, SPRING TYPE, TFE SEAT, BRONZE DISC, SOLDERED OR THREADED ENDS, MSS SP-80
	UNION	2" & SMALLER	ASTM B16.39, CLASS 150, MALLEABLE IRON, HEXAGONAL STOCK BODY, BRONZE-TO-BRONZE SEAT
NATURAL GAS	BALL VALVE	2" & SMALLER	COPPER ALLOY, 2-PIECE, STANDARD PORT, CHROME PLATED BALL, TFE SEAT, LEVER HANDLE, 400 PSIG WOG, MSS SP-110, AGA APPROVED, ASME B26.33, THREADED END
	UNION	2" & SMALLER	ASTM B16.39, CLASS 150, MALLEABLE IRON, HEXAGONAL STOCK BODY, BRONZE-TO-BRONZE SEAT



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REV.	DATE
PROJECT #	1812
DATE:	01/07/2019
TITLE:	PLUMBING SCHEDULES

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SHEET:
P-601

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
	KEYNOTE INDICATOR.
	REVISION INDICATOR.
	EQUIPMENT INDICATOR.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING.
	BREAK, ROUND.
	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE.
WIRING METHODS	
	WIRING.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
	JUNCTION BOX.
	JUNCTION BOX, CEILING.
	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
	RECEPTACLE, DUPLEX, WEATHERPROOF: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	FLUSH FLOOR BOX. "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	SWITCH, DIMMER.
	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	EMERGENCY.
	NIGHT LIGHT: DO NOT SWITCH.
	EGRESS DIRECTION ARROW.

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	PHOTOCELL.
STRUCTURED CABLING	
	TELEPHONE, WALL MOUNTED ("x" INDICATES QUANTITY OF CABLES).
	TELEPHONE, WALL MOUNTED: WALL PHONE.
	OUTLET, DATA COMMUNICATION ("x" INDICATES QUANTITY OF CABLES).
	OUTLET, BUILDING STANDARD COMBINATION TELEPHONE/DATA COMMUNICATION.
	TELEPHONE TERMINAL BOARD, FIRE TREATED PLYWOOD PAINTED.
ELECTRICAL POWER AND DISTRIBUTION	
	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
	TRANSFORMER (ONE-LINE DIAGRAM).
	PANELBOARD (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	ACCESSIBLE DOOR ENTRY PUSH PLATE OPERATOR.
FIRE ALARM	
	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	FIRE ALARM MANUAL PULL STATION.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	DETECTOR, HEAT.
	STROBE. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/SPEAKER, WEATHERPROOF.
	ALARM, HORN/SPEAKER, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/SPEAKER, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
SECURITY	
	CARD READER.
TV DISTRIBUTION	
	TV OUTLET.

ABBREVIATIONS			
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.			
1P	SINGLE POLE	KV	KILOVOLT
1PH	SINGLE-PHASE	KVA	KILOVOLT AMPERE
1WAY	ONE-WAY	KVAR	KILOVOLT AMPERE REACTIVE
2/C	TWO-CONDUCTOR	kw	KILOWATT
2WAY	TWO-WAY	kWh	KILOWATT HOUR
3/C	THREE-CONDUCTOR	LED	LIGHT EMITTING DIODE
3PH	THREE-PHASE	LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
3WAY	THREE-WAY	LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
4OUT	QUADRUPLE RECEPTACLE OUTLET	LPS	LOW PRESSURE SODIUM LIGHTING
4PDT	FOUR-POLE DOUBLE THROW	LRA	LOW VOLTAGE ROTOR AMPS
4PST	FOUR-POLE SINGLE THROW	LV	LOW VOLTAGE
4W	FOUR-WIRE	LV	LOW VOLTAGE
4WAY	FOUR-WAY	MATV	MASTER ANTENNA TELEVISION SYSTEM
A	ABOVE COUNTER	MAX	MAXIMUM
AC	ARMORED CABLE	MC	METAL CLAD
ADA	AMERICANS WITH DISABILITIES ACT	MCA	MINIMUM CIRCUIT AMPS
ADJ	ADJACENT	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
AFG	ABOVE FINISHED GRADE	MCP	MOTOR CIRCUIT PROTECTION
AIC	AMPERE INTERRUPTING CAPACITY	MDF	MAIN DISTRIBUTION PANEL
ALUM	ALUMINUM	MG	MOTOR GENERATOR
AMP	AMPERE	MH	MANHOLE
ANN	ANNUNCIATOR	MIN	MINIMUM
AP	ACCESS POINT (WIRELESS DATA)	MLO	MAIN LUGS ONLY
AR	AS REQUIRED	MOC	MAXIMUM OVERCURRENT PROTECTION
ASC	AMPS SHORT CIRCUIT	NA	NOT APPLICABLE
ATS	AUTOMATIC TRANSFER SWITCH	NC	NORMALLY CLOSED
AV	AUDIO VISUAL	NEC	NATIONAL ELECTRICAL CODE
AWG	AMERICAN WIRE GAGE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BB XFMR	BUCK-BOOST TRANSFORMER	NFC	NATIONAL FIRE CODE
C	CEILING MOUNTED COMMUNITY ANTENNA TELEVISION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CATV	COMMUNITY ANTENNA TELEVISION	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NL	NIGHT LIGHT
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT	NO	NORMALLY OPEN
CCTV	CLOSED CIRCUIT TELEVISION	NTS	NOT TO SCALE
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	OC	ON CENTER
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED	OC	OVER CURRENT PROTECTION
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED	OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
CKT	CIRCUIT	OF/OI	OWNER FURNISHED/OWNER INSTALLED
CM	CONSTRUCTION MANAGER	OFF	OVERHEAD (COILING) DOOR
CND	CONDUIT	OH DR	OVERHEAD (COILING) DOOR
CO	CONVENIENCE OUTLET	OL	OVERLOAD
COR	CONTRACTING OFFICER'S REPRESENTATIVE	PB	PUSHBUTTON
CP	CONTROL PANEL	PF	POWER FACTOR
CT	CURRENT TRANSFORMER	PH	PHASE
CTV	CABLE TELEVISION	PNL	PANEL
CU	COPPER	PT	POTENTIAL TRANSFORMER
dBA	UNIT OF SOUND LEVEL	PTZ	PAN/TILT/ZOOM
DPDT	DOUBLE POLE DOUBLE THROW	QTY	QUANTITY
DS	DISCONNECT SWITCH	R	REMOVE
EA	EACH	RCP	REFLECTED CEILING PLAN
EM	EMERGENCY	RMC	RIGID METAL CONDUIT
EMT	ELECTRICAL METALLIC TUBING	RNC	RIGID NONMETALLIC CONDUIT
ENT	ELECTRICAL NONMETALLIC TUBING	RPM	REVOLUTIONS PER MINUTE
EPO	EMERGENCY POWER OFF	RR	REMOVE AND RELOCATE
EQUIP	EQUIPMENT	SCA	SHORT CIRCUIT AMPS
EX	EXISTING	SCB	STANDARD COLOR AS SELECTED BY ARCHITECT
F	FURNITURE MOUNTED	SF	SQUARE FOOT (FEET)
FA	FIRE ALARM	SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
FCA	FIRE ALARM CONTROL PANEL	SPDT	SINGLE POLE, DOUBLE THROW
FLA	FULL LOAD AMPS	SPEC	SPECIFICATION
FMC	FLEXIBLE METALCONDUIT	SPST	SINGLE POLE, SINGLE THROW
FOB	FREIGHT ON BOARD	S/S	START/STOP
FVNR	FULL VOLTAGE NON-REVERSING	ST	SINGLE THROW
FVR	FULL VOLTAGE REVERSING	SWBD	SWITCHBOARD
G	GENERATOR	SWGR	SWITCHGEAR
GEN	GROUND FAULT CIRCUIT INTERRUPTER	TL	TWIST LOCK
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TP	TELEPHONE POLE
GFP	GROUND FAULT PROTECTION	TP	TWISTED PAIR
HD	HEAVY DUTY	TTB	TELEPHONE TERMINAL BOARD
HID	HIGH INTENSITY DISCHARGE	TV	TELEVISION
HOA	HAND-OFF-AUTOMATIC	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
HP	HORSE POWER	TYP	TYPICAL
HPF	HIGH POWER FACTOR	UF	UNDERFLOOR
HPS	HIGH PRESSURE SODIUM	UGND	UNDERGROUND
HV	HIGH VOLTAGE	UPS	UNINTERRUPTIBLE POWER SUPPLY
HZ	HERTZ	V	VOLTS
IG	ISOLATED GROUND	VA	VOLT AMPERE
IMC	INTERMEDIATE METAL CONDUIT	VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER
IN/IS	INSULATED/ISOLATED	W/	WITH
I/O	INPUT/OUTPUT	W/O	WITHOUT
IR	INFRARED	WP	WEATHERPROOF
J-BOX	JUNCTION BOX	XFMR	TRANSFORMER

ELECTRICAL SHEET INDEX	
SHEET NO	SHEET TITLE
EE-001	SYMBOL LEGEND, GENERAL NOTES
EE-701	TYPICAL MOUNTING HEIGHT DETAILS
ED-101	MAIN FLOOR ELECTRICAL DEMOLITION PLAN
EP-101	MAIN FLOOR POWER PLAN
EL-101	MAIN FLOOR LIGHTING PLAN

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED:	THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.
DIRECTED:	TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.
APPROVED:	THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.
FURNISH:	THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."
INSTALL:	THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."
PROVIDE:	THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."
INSTALLER:	AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.
TECHNOLOGY SYSTEMS:	THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

GENERAL ELECTRICAL NOTES	
1.	CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
2.	OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM. <ul style="list-style-type: none"> A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT. B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER. C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
3.	EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
4.	SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED, JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
5.	REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
6.	ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

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REV.	DATE
PROJECT #	1812
DATE:	04/23/2019
TITLE:	SYMBOL LEGEND, GENERAL NOTES

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

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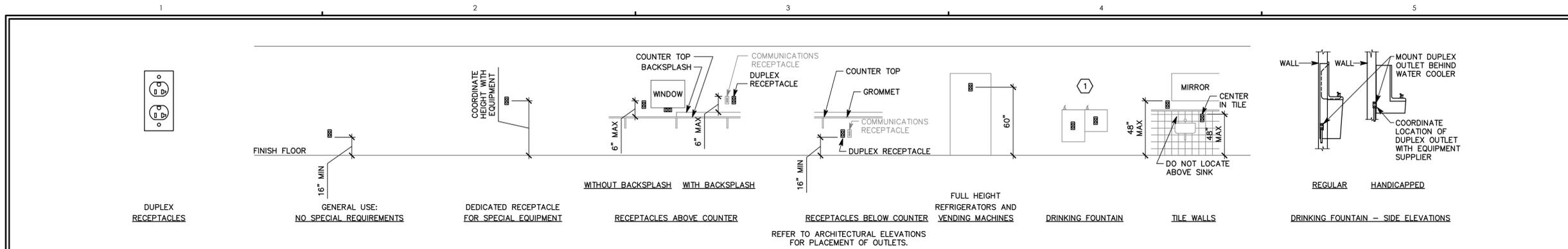
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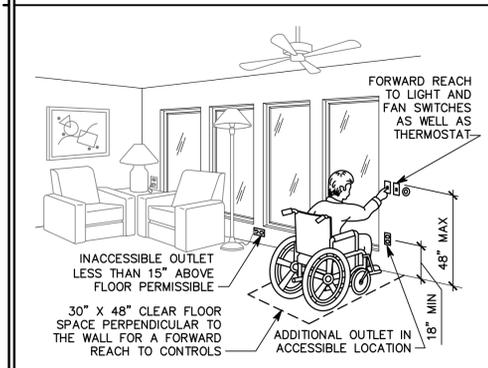
REV.	DATE
PROJECT #	1812
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TITLE:	SYMBOL LEGEND, GENERAL NOTES

EE-001

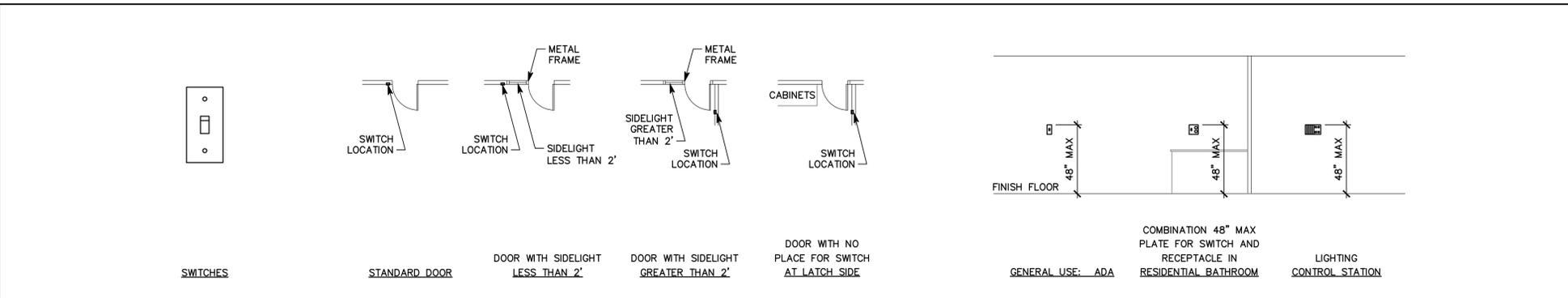
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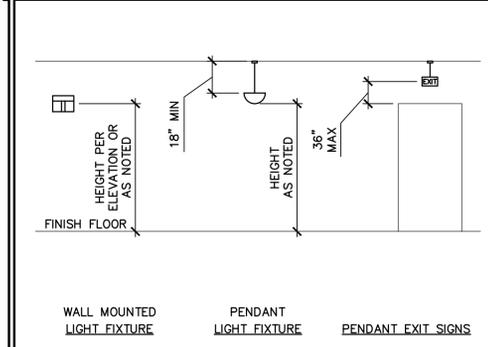
D1 RECEPTACLE MOUNTING DETAILS
NTS



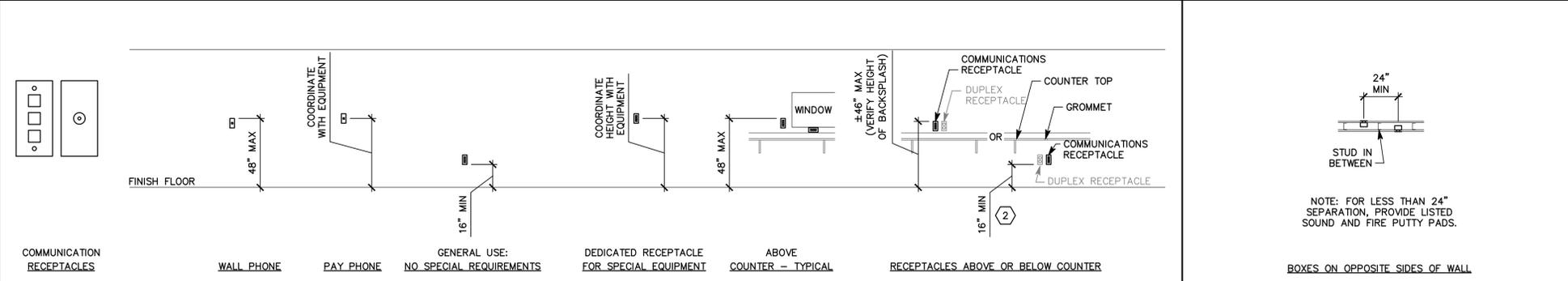
C1 ADA DETAIL
NTS



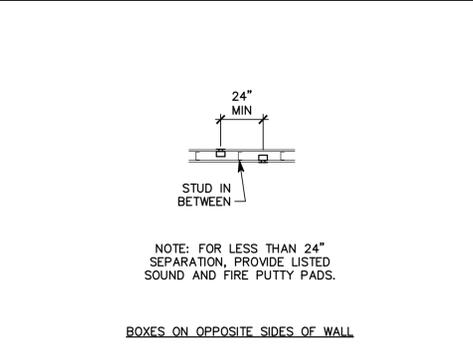
C2 SWITCH MOUNTING DETAILS
NTS



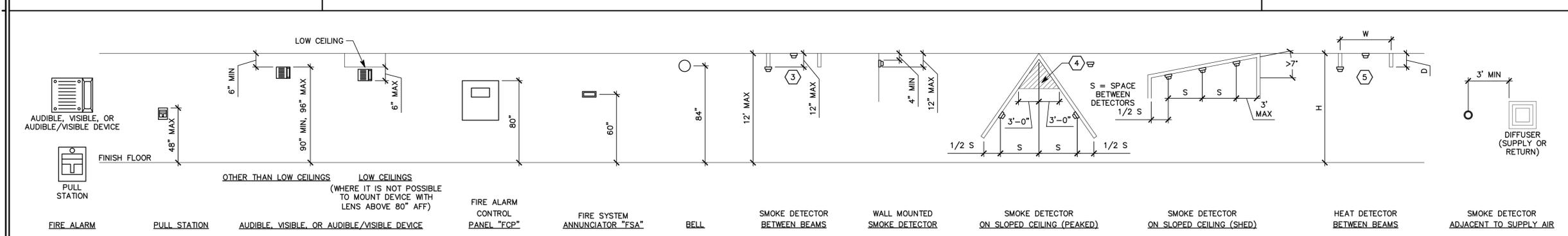
B1 LIGHTING MOUNTING DETAILS
NTS



B2 COMMUNICATION MOUNTING DETAILS
NTS



B5 BOX MOUNTING DETAILS
NTS



A1 FIRE ALARM MOUNTING DETAILS
NTS

GENERAL SHEET NOTES

1. DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
1 - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC.)
2 - EQUIPMENT SHOP DRAWINGS.
3 - FIELD INSTRUCTIONS.
2. LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
3. MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.
4. MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
5. SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
6. LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
7. VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
8. LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.

SHEET KEYNOTES

1. LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
3. LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
4. LOCATE DETECTOR ANYWHERE IN SHADED AREA BUT NOT IN TOP 4" OF PEAK.
5. LOCATE AT BOTTOM OF BEAMS IF D/H < 1 OR W/H < .4; OTHERWISE, LOCATE IN BEAM POCKET. FOR D > 4 REDUCE SPACING .33 PERPENDICULAR TO BEAMS.

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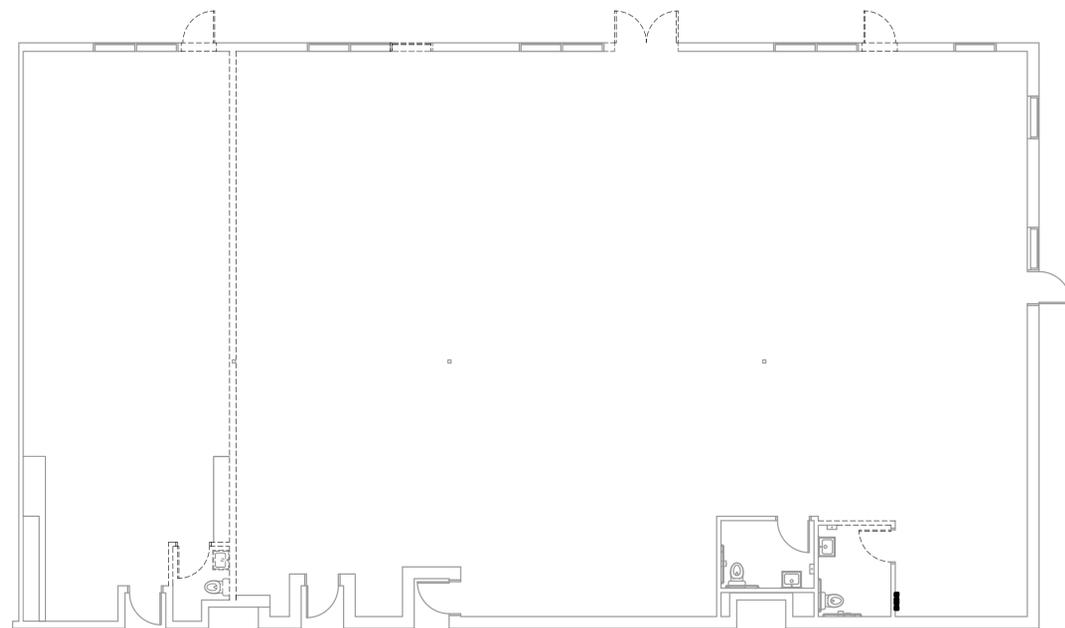
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LICENSED PROFESSIONAL ELECTRICAL ENGINEER
No. 5148728
DAVID G. HINKLEY
4/30/19
STATE OF UTAH

REV.	DATE
PROJECT #	1812
DATE:	04/23/2019
TITLE:	TYPICAL MOUNTING HEIGHT DETAILS

SHEET:
EE-701

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A1 MAIN FLOOR ELECTRICAL DEMOLITION PLAN

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

0 4' 8' 16'

GENERAL SHEET NOTES

1. DEMOLISH ELECTRICAL ON WALLS AFFECTED BY DEMOLITION. REMOVE LIGHTING FROM CEILING AND ASSOCIATED WIRING. KEEP ANY EXISTING LOADS DOWNSTREAM FROM WIRING DEVICES BEING DEMOLISHED OPERATIONAL BY PROVIDING ADDITIONAL WIRING AS REQUIRED.
2. FOR PANEL IN BREAK ROOM (SEE NEW POWER PLAN) RE-INSTALL EXISTING PANEL TO NEW LOCATION SHOWN. EXTEND WIRING AS REQUIRED AND RE-CONNECT.



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ED-101

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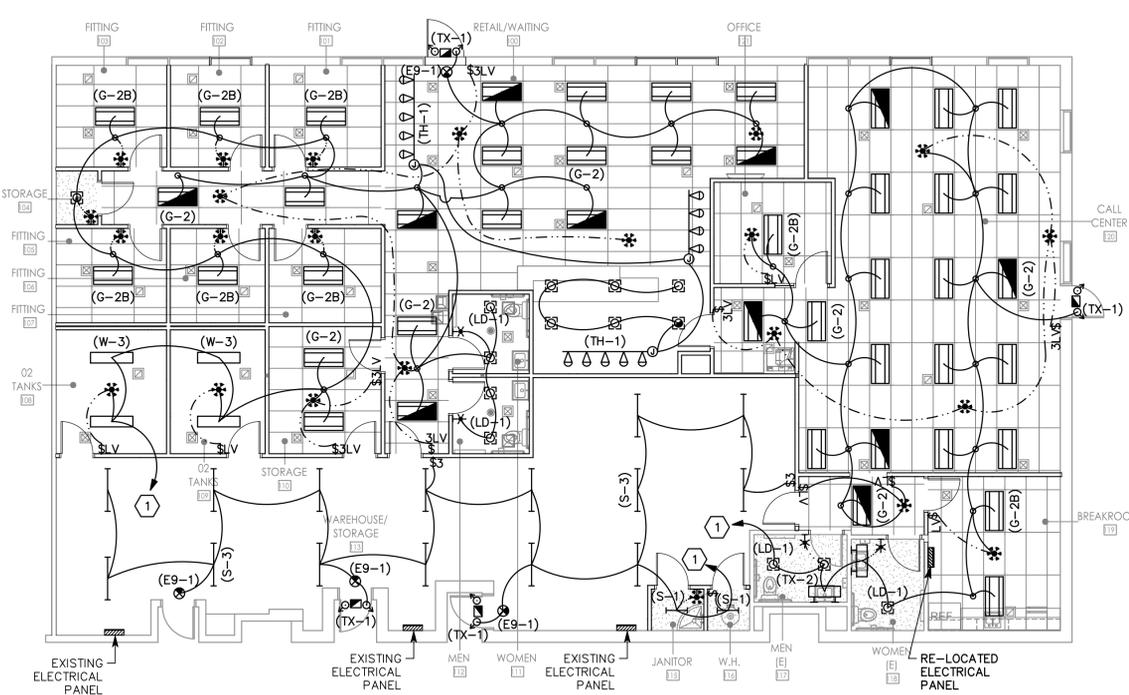
LIGHTING FIXTURE SCHEDULE

NOTE TO BIDDERS: COMPLY WITH SPECIFICATIONS.
 REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, BALLASTS, AND LAMPS. THE CATALOG NUMBERS LISTED BELOW HAVE BEEN CAREFULLY PREPARED TO ASSIST BIDDERS IN SELECTING PRODUCTS TO ACHIEVE THE DESIGN CONCEPT, HOWEVER, PRIOR TO BIDDING, EACH MANUFACTURER SHALL COMPARE THE CATALOG NUMBERS SHOWN WITH THE DESCRIPTION AND REQUIREMENTS ON THE DRAWINGS, AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES. SPECIFICALLY INCLUDED IN THIS EVALUATION SHALL BE THE VERIFYING OF PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS. NO ALLOWANCE OR REDRESS WILL BE ALLOWED FOR DISCREPANCIES THAT WERE NOT REPORTED TO THE ARCHITECT/ENGINEER IN TIME FOR CORRECTION OR CLARIFICATION BEFORE THE BID. THE REPORTING OF ANY AMBIGUITY IS THE RESPONSIBILITY OF THE BIDDER. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER. SUBMITTAL PACKAGE SHALL INCLUDE LAMP MANUFACTURER AND CATALOG NUMBER ON EACH FIXTURE SHEET. ON ALL PENDANT MOUNTED FIXTURES, PROVIDE A SECOND SET OF PENDANTS, OF A DIFFERENT LENGTH, AS DIRECTED BY THE ARCHITECT/ENGINEER, PROVIDED AND INSTALLED AT NO ADDITIONAL CHARGE. ALL FIXTURES SHALL BE APPROVED BY UL OR ANOTHER ACCEPTABLE TESTING LAB FOR THE PURPOSE INTENDED AND WITH THE LAMP AND BALLAST PROPOSED. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES. UNIVERSAL VOLTAGE (120/277) BALLASTS REQUIRED UNLESS NOTED OTHERWISE.

SYMBOL MARK	FIXTURE CHARACTERISTICS	LAMP	WATTS	VOLTS	MANUFACTURER CATALOG NUMBER	NOTES
E9	EXIT SIGN: UNIVERSAL MOUNTING; UNIVERSAL ARROWS PER PLANS; EMERGENCY BATTERY PACK WITH 10 YEAR PRO-RATA WARRANTY; LED, DIFFUSE LENS PANEL; GREEN LETTERS ON WHITE BACKGROUND. MUST MEET NFPA ILLUMINATION STANDARDS.					
(E9-1)	SINGLE FACE:	LED	1W	120/277V	ISOLITE EVENLITE DUAL-LITE CHLORIDE ER44RLDU-1-W-G	ELT-EM-G-1C-BK-RC-UC SOV-EM-G-1C-WH-RC-UC LE-C-S-G-X/R/L/D-W-E
(G-2)	INDIRECT TROFFERS: RECESSED FOR LAY-IN GRID; HINGED FLUSH STEEL DOOR WITH LATCH; EARTHQUAKE CLIPS	LED	35W	120V	COLUMBIA HE WILLIAMS LITHONIA	LCAT-22-35-MW-G-UNV-0-10V DIM LT24-L35/835-AF-DIM-UNV 24CZ-LD4-35-UNV-L835-CD1-U-0-10V DIM BLT
(G-2B)	G-2B SAME AS G-2, 4200 LUMEN MINIMUM					
LD	LED DOWNLIGHT; THERMALLY PROTECTED HOUSING: TO ACCOMMODATE MULTIPLE TRIMS AND REFLECTOR ASSEMBLIES FOR LAMPS AS LISTED BELOW; ELECTRONIC BALLASTS; LOW IRIDESCENT REFLECTOR FINISH (EVEN IF NOT SHOWN IN CATALOG #); SELF FLANGING TRIM UNLESS NOTED.					
(LD-1)	RECESSED DOWNLIGHT; CLEAR ALZAK REFLECTOR, LED 2000 LUMENS WET LOCATION	LED	25W	277/120V	LITHONIA LIGHTOLIER PORTFOLIO PRESCOLITE	LDN6 35/20 L06AR LSS MVOLT EZ10-WET C6L1520-DL-3500K-W-CCL-P-C6L20-N-277-WET LD6-20-D010-ERM6-835H20-6LMO-H-WET LF6SL-6LFSL20L35K-WET
S	STRIP LIGHT					
(S-3)	LED STRIP LIGHT 4000 LUMENS				COLUMBIA DAYBRITE METALUX	MPS4-35LW-CW-EDU FSS440L835-UNV-DIM 4SNLED-LD5-44SL-UNV-L
(S-1)	2' VERSION OF S-3 (2,000 LUMEN)					8XX-CD1-U
TH	TRACK					
(TH-1)	TRACK LIGHTING	LED	20W	120V	BRUCK	350427-XTM19-20LM-35K-83-DA40-120-WH/ 120V TRACK
TX	SPECIAL FIXTURES AS INDICATED. MEET ALL REQUIREMENTS OF SPECIFICATIONS AND FIXTURE SCHEDULE. VISUAL AND FINISH APPROVAL REQUIRED.					
(TX-1)	EM EXTERIOR LIGHT	LED	10W	120V	EVENLITE	WLEM-WH-CT
(TX-2)	VANITY LIGHT	LED	20W	120V	MODERN FORMS WS-3424 WAC ARANCIA OXYGEN	WS-77624-35-AL W93-31-LN-S-U-0-JB-MG 3-537-SCBA-3500K
W	LOW PROFILE WRAPAROUND: SURFACE MOUNTED SUITABLE FOR MOUNTING ON LOW DENSITY CEILINGS WRAPAROUND					
(W-3)	NARROW BODY WRAPAROUND	LED	40W	120V	LITHONIA LSI METALUX DAYBRITE COLUMBIA HE WILLIAMS	LBL4-40L-LP835 WNA10-LED-SS-WW-UE 4WNLED-LD1-41-F-UNV-L835-CD1-U OWL440L835-UNV-DIM LWC4-35ML-EU 17-4-L55/835-A-DRV-UNV

SHEET KEYNOTES

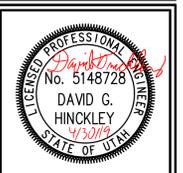
- TO 20/1 CIRCUIT BREAKER IN EXISTING PANEL.



A1 MAIN FLOOR LIGHTING PLAN
 SCALE: 1/8" = 1'-0"



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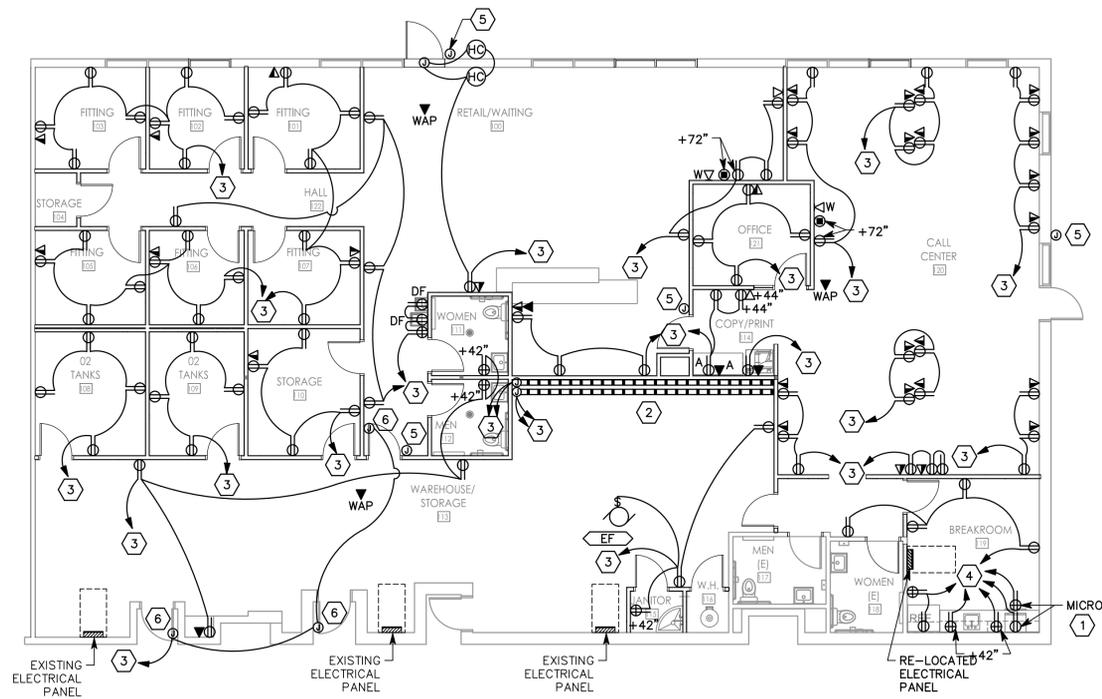
REV.	DATE
PROJECT #	1812
DATE:	04/23/2019
TITLE:	MAIN FLOOR LIGHTING PLAN

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SHEET:
EL-101

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A1 MAIN FLOOR POWER PLAN

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

0 4' 8' 16'



SHEET KEYNOTES

1. MOUNT OUTLETS BEHIND MICROWAVE, ONE IN LOWER CABINETS, ONE IN UPPER CABINETS.
2. PROVIDE DUPLEX RECEPTACLES EVERY 12' OC. COORDINATE MOUNTING HEIGHTS OF 2 ROWS OF WIREMOLD WITH OWNER.
3. TO 20/1 CIRCUIT BREAKER IN EXISTING PANEL.
4. TO 20/1 CIRCUIT BREAKER IN NEW BREAKROOM PANEL.
5. PROVIDE ROUGH-IN FOR CARD READER AT DOOR LOCATION SHOWN. COORDINATE ROUGH-IN WITH SECURITY INSTALLER.
6. PROVIDE 120V CONNECTIONS TO DOOR HOLD OPENS THROUGH RELAY CONTROLLED BY 120V SMOKE DETECTOR.

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REV. DATE

PROJECT # 1812
 DATE: 04/23/2019
 TITLE: MAIN FLOOR POWER PLAN

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EP-101