

SALT LAKE CITY CORPORATION

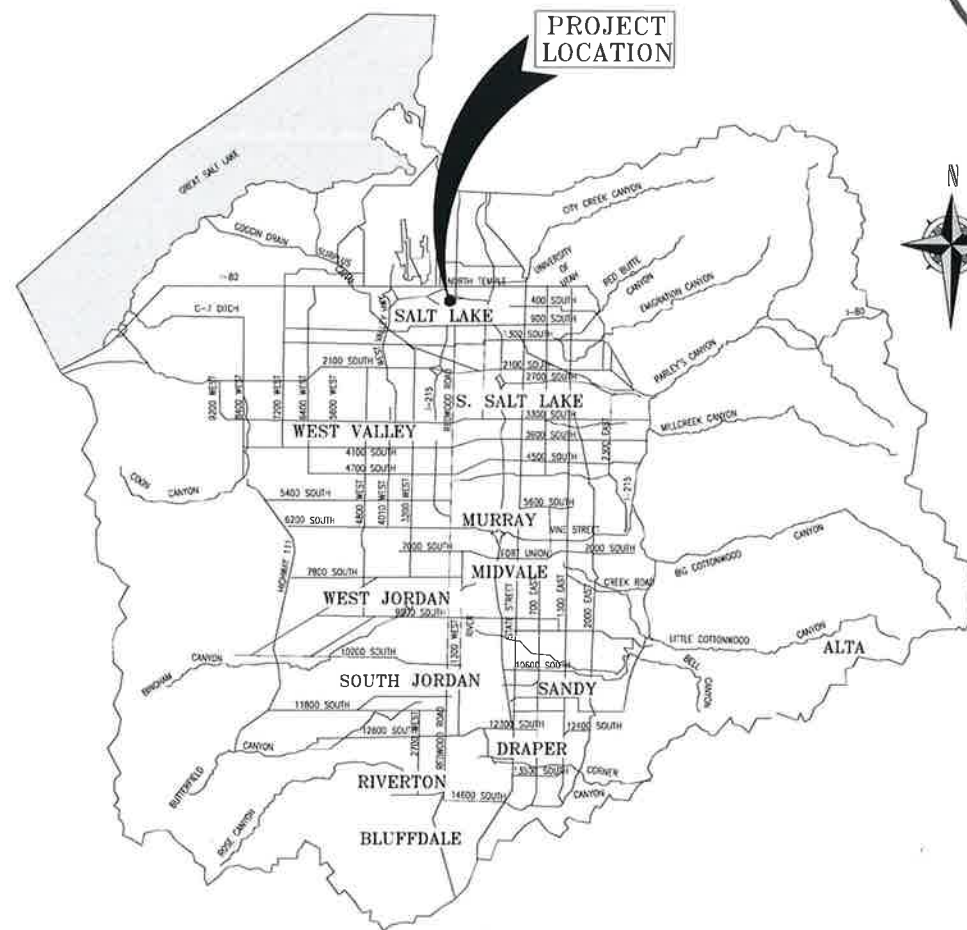
THE DEPARTMENT OF PUBLIC UTILITIES

DRAWINGS FOR CONSTRUCTION OF
WEST CAMPUS (TENANT IMPROVEMENTS)

PROJECT NO. 512102522
FISCAL YEAR 2019



Public Utilities



PROJECT VICINITY MAP



FOR
CONSTRUCTION

JACKIE BISKUPSKI – MAYOR

CITY COUNCIL

JAMES ROGERS
ANDREW JOHNSTON
CHRIS WHARTON
ANALISA VALDEMOROS

ERIN MENDENHALL
CHARLIE LUKE
AMY FOWLER

APPROVED

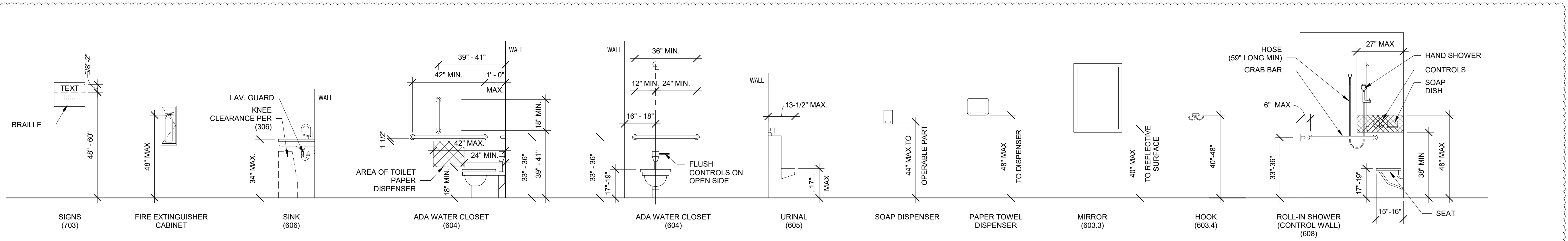
LAURA BRIEFER
DIRECTOR OF PUBLIC UTILITIES



APPROVED

ANDY TONGISH, AIA
PROJECT ARCHITECT

JASON BROWN, P.E.
CHIEF ENGINEER

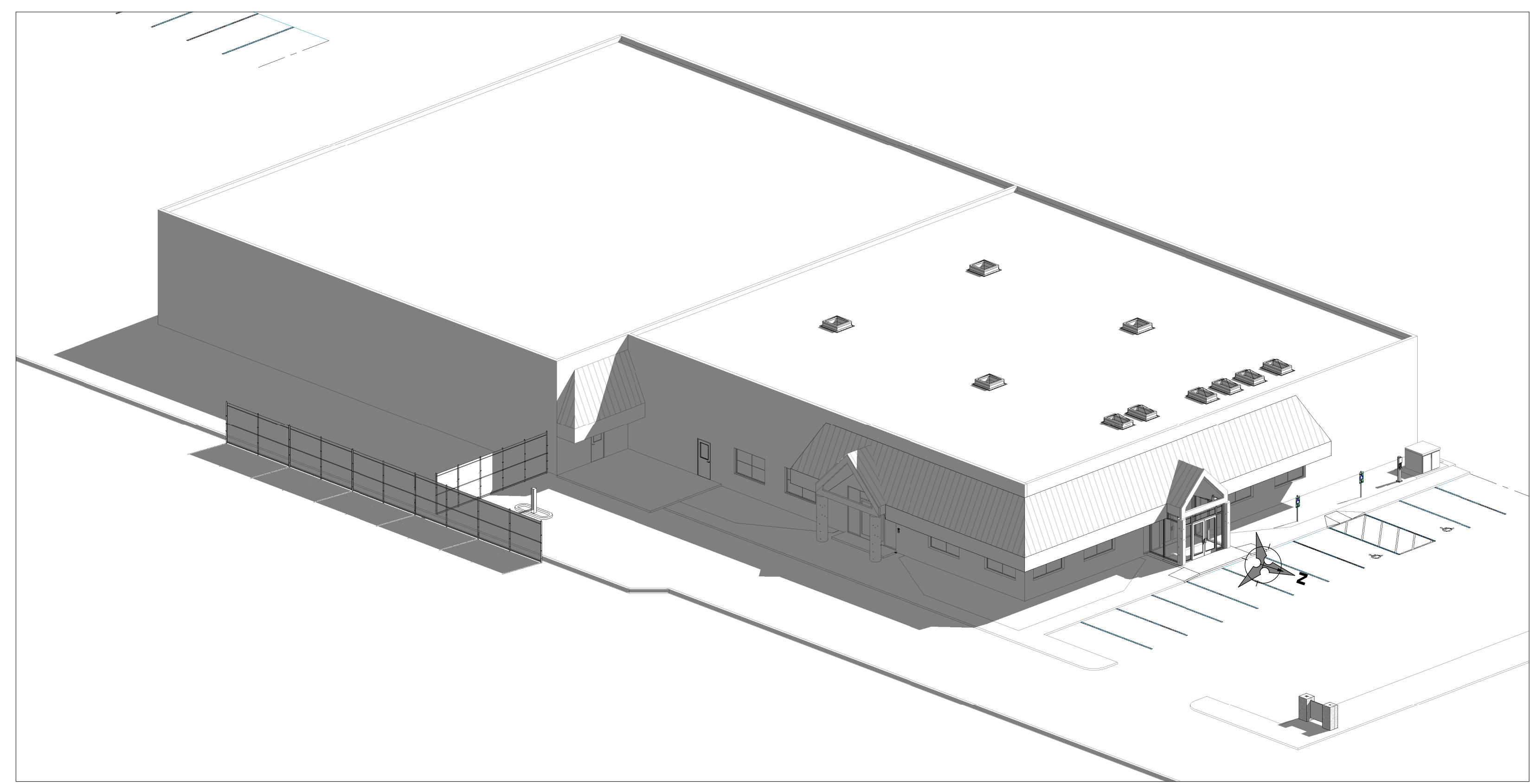


1 ADA STANDARDS

3/8" = 1'-0"



VICINITY MAP

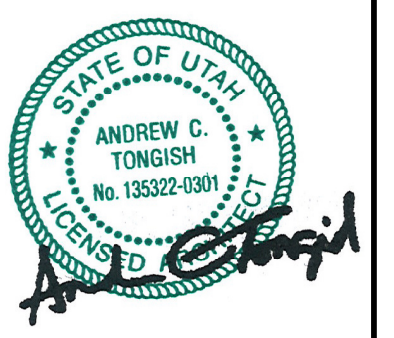
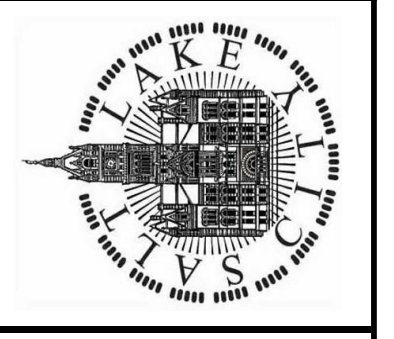


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SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES

WEST CAMPUS

VICINITY MAP



DRAWING NO.

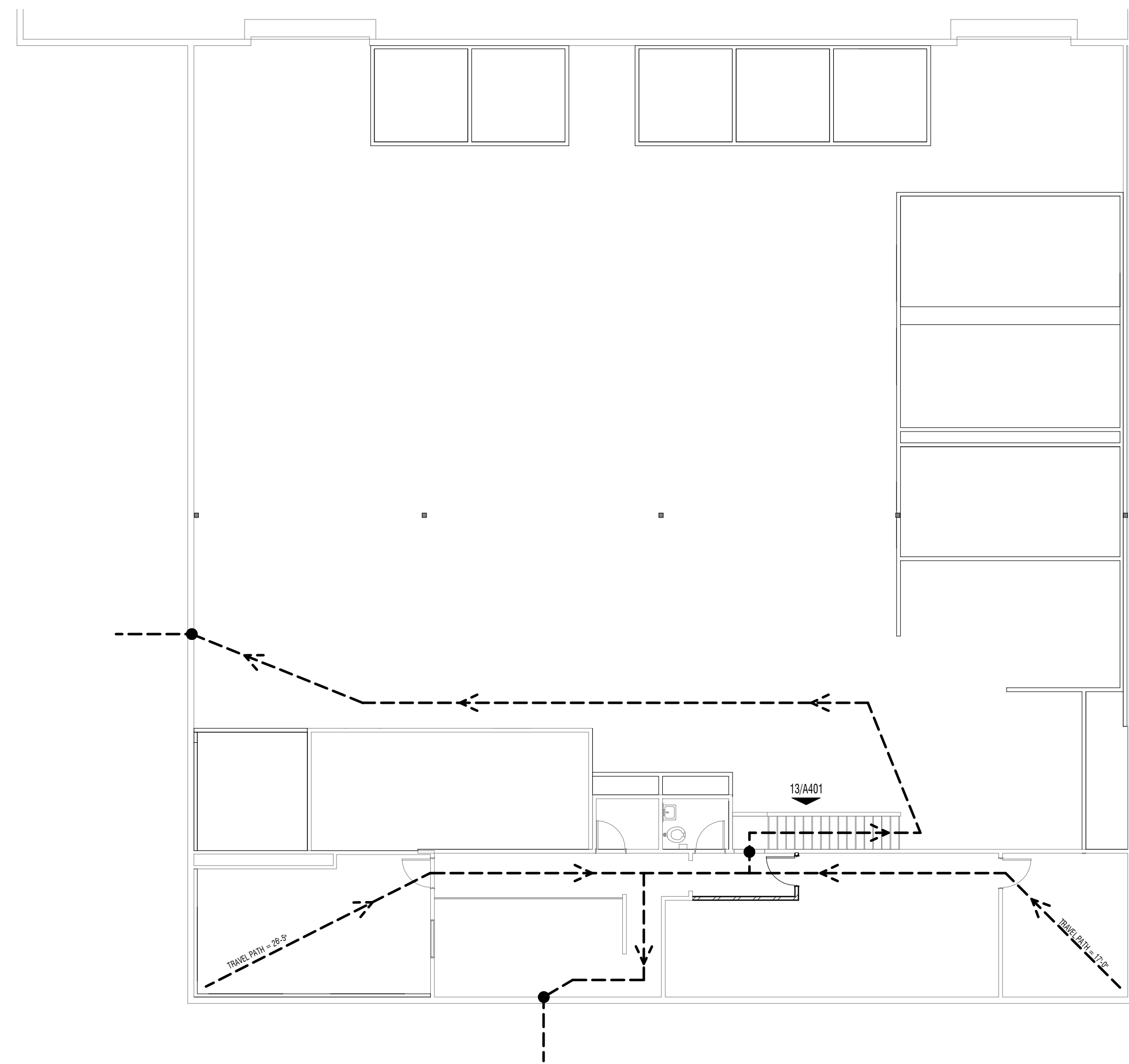
G002

SHEET 2 of 27

DESIGNED BY:	oct
DRAWN BY:	oct
CHECKED BY:	
ISSUED BY:	4/4/2019
PROJECT #:	18-029
1500 West Jordan Blvd West Jordan, Utah 84086	
MARK:	
DATE:	3/6/2019
REVISIONS:	
CITY REVIEW:	
MADE BY:	
AUTH BY:	

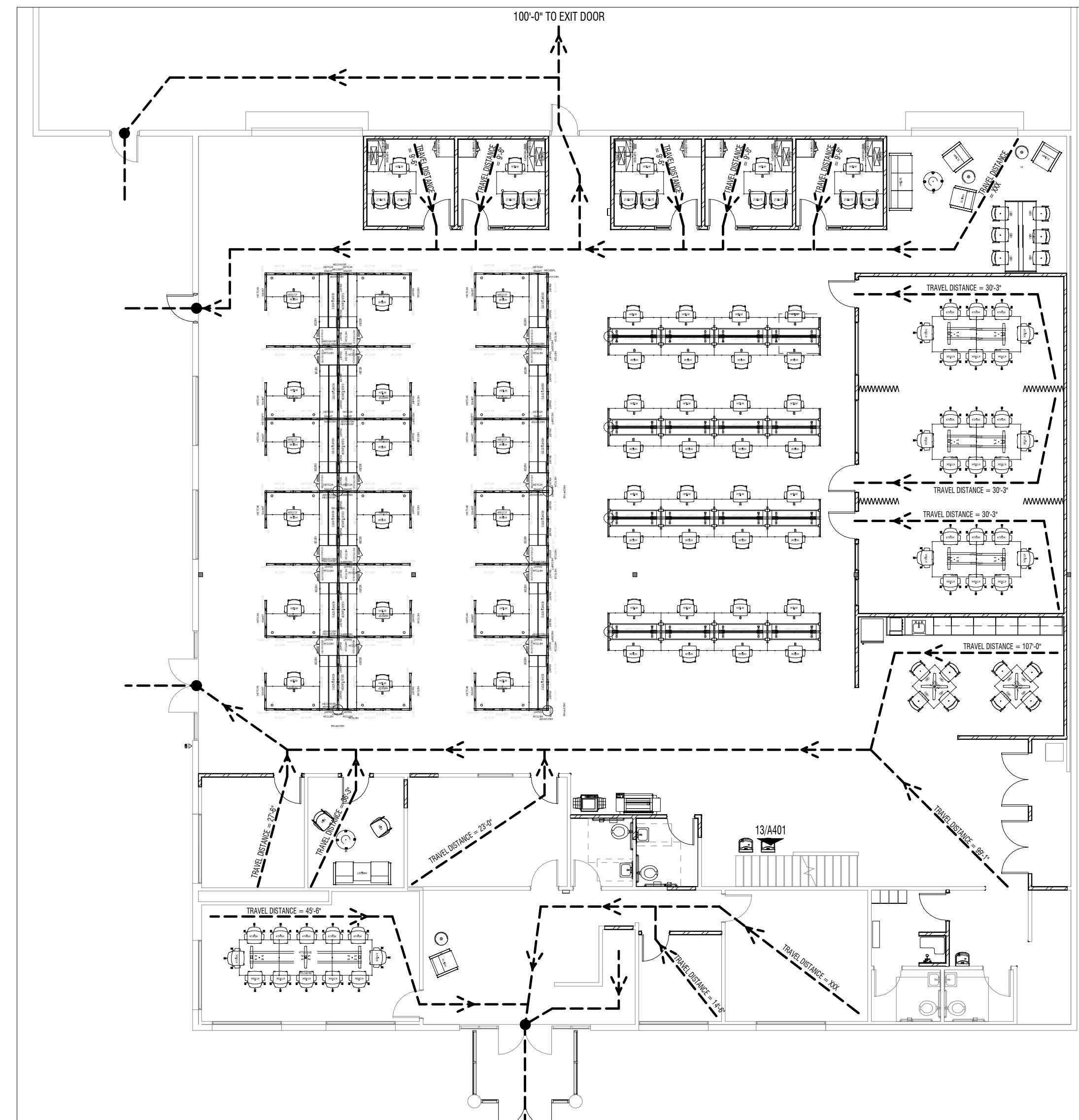
SCALE:
3/8" = 1'-0"
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

FOR BIDDING



2 2ND FLOOR PLAN

3/32" = 1'-0"



1 1ST FLOOR PLAN

3/32" = 1'-0"

JURISDICTION
SALT LAKE CITY

CODE
2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL MECHANICAL CODE
2015 INTERNATIONAL PLUMBING CODE
2017 NATIONAL ELECTRICAL CODE

OCCUPANCY
OCCUPANCY: B

REQUIRED SEPARATION OF OCCUPANCIES (508.4)
NONE

TYPE OF CONSTRUCTION
IA IB IIA IIB IIIA **IIIB** IVA IVB VA VB

AUTOMATIC SPRINKLER SYSTEM
YES **NO**

BUILDING HEIGHT (504.3)
ALLOWABLE BUILDING HEIGHT 55'-0"
PROPOSED BUILDING HEIGHT 29'-0"

NUMBER OF STORIES (504.4)
ALLOWABLE NUMBER OF STORIES 3
PROPOSED NUMBER OF STORIES 1

BUILDING AREA (506)
ALLOWABLE SQUARE FOOTAGE 19,000 SF, NON-SPRINKLERED
PROPOSED SQUARE FOOTAGE 9,929.5 SF

FIRE RESISTIVE REQUIREMENTS FOR VB (TABLE 601)

PRIMARY STRUCTURAL FRAME	0 HR	RATING
BEARING WALLS		
EXTERIOR	2HR	RATING
INTERIOR	0HR	RATING
NON BEARING WALLS	0HR	RATING
FLOOR CONSTRUCTION	0HR	RATING
ROOF CONSTRUCTION	0HR	RATING

OCCUPANT LOAD CALCULATION (COMPLETE FACILITY) (TABLE 1004.1.2)

LEVEL	AREA (SF)	OCCUPANTS
FIRST LEVEL		
B	9,929.5 / (100)	= 99.295 say 100
SECOND LEVEL		
B	1,612 SF / (100)	= 16.12 say 17
TOTAL OCCUPANTS		= 117

EGRESS WIDTH (TABLE 1005.1)
OTHER EGRESS 0.2 INCHES PER OCCUPANT

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

TOTAL OCCUPANTS 117	REQUIRED	ACTUAL
---------------------	----------	--------

FACILITY
WATER CLOSETS
B = 117 OCCUPANTS - 58 F / 59 M = 2 M / 2 F (2902.2 EX. 2)

LAVATORIES
B = 117 OCCUPANTS - 58 F / 59 F = 2 M / 2 F (2902.2 EX. 2)

DRINKING FOUNTAINS
B = 117 OCCUPANTS - = 1

SERVICE SINKS = 1 (2902.1 e)

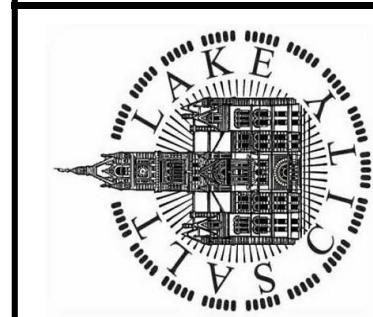
5 SINGLE OCCUPANT
2 MULTIPLE OCCUPANT

7

2

1

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS
EXITING PLANS / CODE COMPLIANCE



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DRAWING NO.

G003

SHEET 3 of 27

DESIGNED BY: []
DRAWN BY: []
CHECKED BY: []
ISSUED BY: []
PROJECT #: 18-029

DATE: 3/6/2019

REVISIONS:
CITY REVIEW

MADE BY: []
AUTH BY: []

SCALE: As indicated
VERIFY SCALE
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ARCHITECTURE
100 WEST 100 SOUTH
SALT LAKE CITY, UTAH 84119

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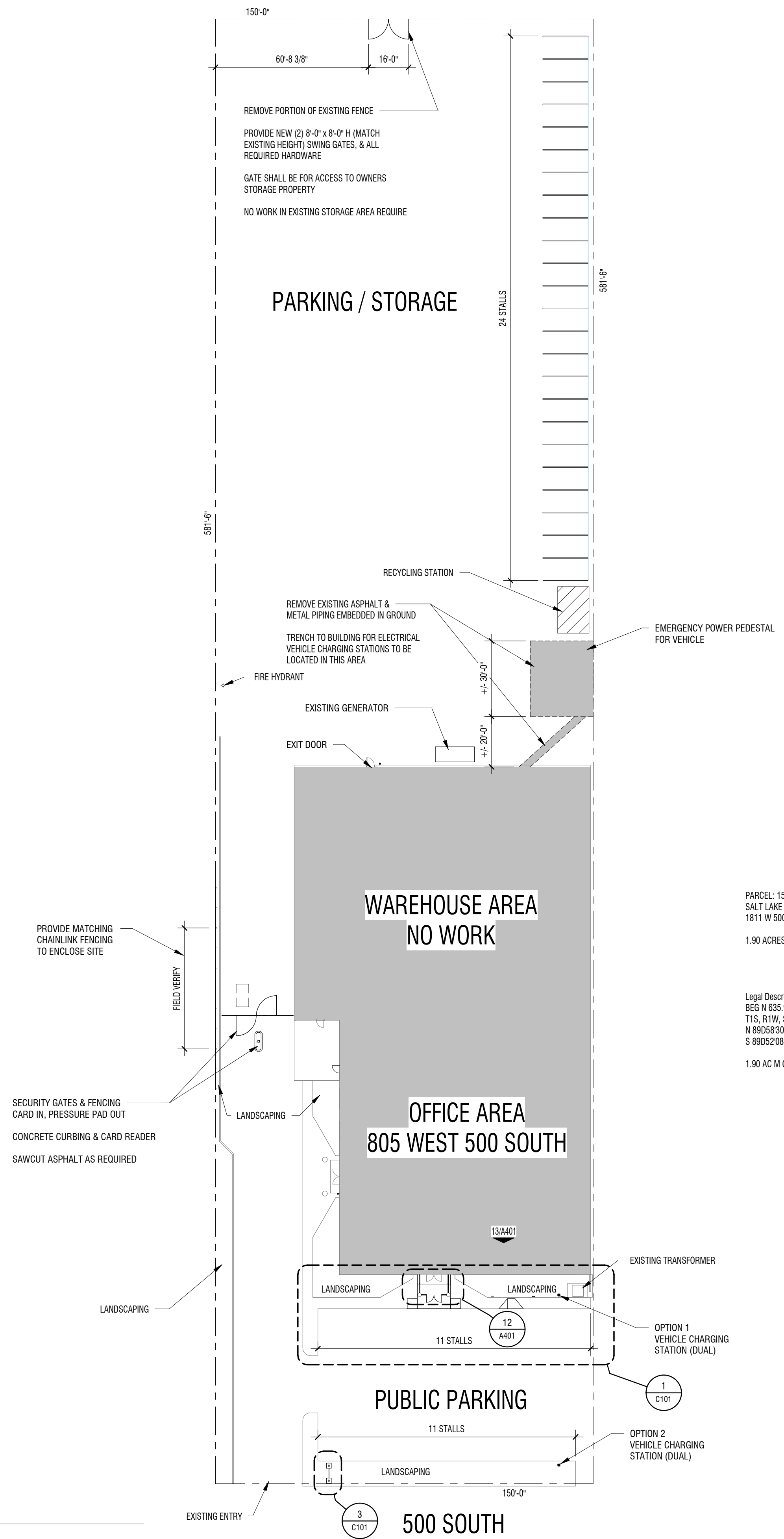
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1 ENTRY SITE PLAN

1" = 30'-0"

PARKING CALCULATION

OFFICE AREA	3 / 1000 SF MAIN FLOOR 1 1/2 / 1000 SF ADDITIONAL FLOORS		
1st FLOOR:	9,931 SF / 1000 = 9.931 x 3 = 29.793	SAY	30 STALLS
2nd FLOOR:	1,612 SF / 1000 = 1.612 x 1.5 = 2.418	SAY	3 STALLS
WAREHOUSE	2 / 1000 SF, 1st 10,000 SF 1/2 / 2000 SF REMAINING		
10,000 SF / 1000 = 10 x 2 =			
1,674 SF / 2000 = .837 x .5 =		SAY	1 STALL
TOTAL PARKING REQUIRED			34 STALLS

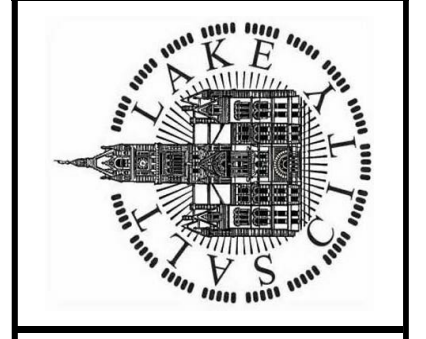


PARCEL: 15-03-376-031-0000
SALT LAKE CITY CORPORATION
1811 W 500 S
1.90 ACRES

Legal Description:
BEG N 635.91 FT & W 990 FT & E 150 FT OF SE COR OF SW 1/4 SEC 3,
T1S, R1W, SLM, N 581.45 FT, E 150 FT, S 220.93 FT M OR L TO EXIST BLDG,
N 89D58'30" W 9.77 FT M OR L TO NW COR EXIST BLDG, S 00D06'18" E 225.72 FT,
S 89D52'08" W 3.84 FT, S 00D01'30" W 134.27 FT M OR L TO S PROP LINE, W 136.39 FT MOR L TO BEG.
1.90 AC M OR L. 4462-484 6121-337 10588-4594 10588-4594 10588-6202 10588-4594

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APPROVED BY:		ISSUED:	4/4/2019
DATE:		PROJECT #:	18-029
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AUTH BY:		CHECKED BY:	
		APPROVED BY:	
		ISSUED:	4/4/2019
		PROJECT #:	18-029

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS
SITE PLAN



STATE OF UTAH
ANDREW G. TONGISH
No. 135322-0301

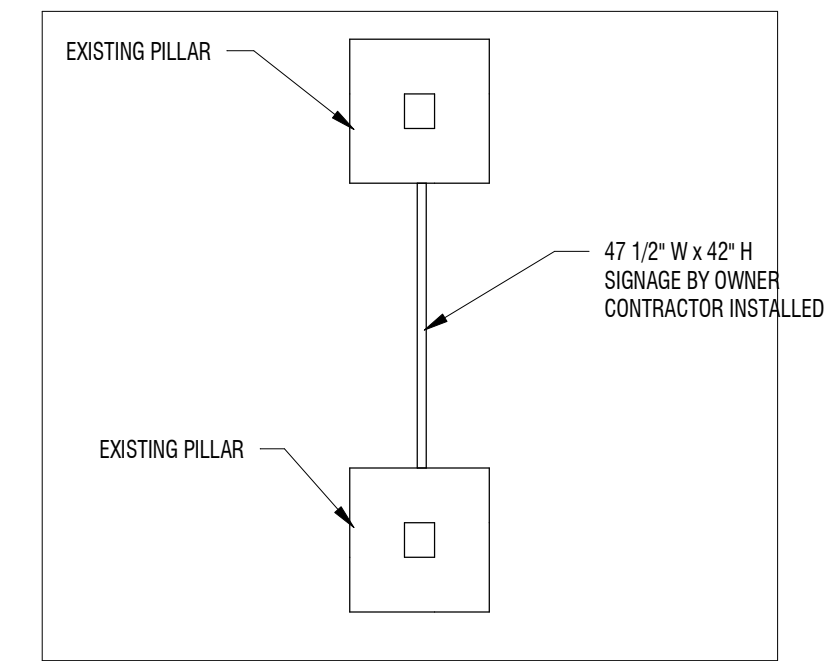
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SHEET 3A of 27

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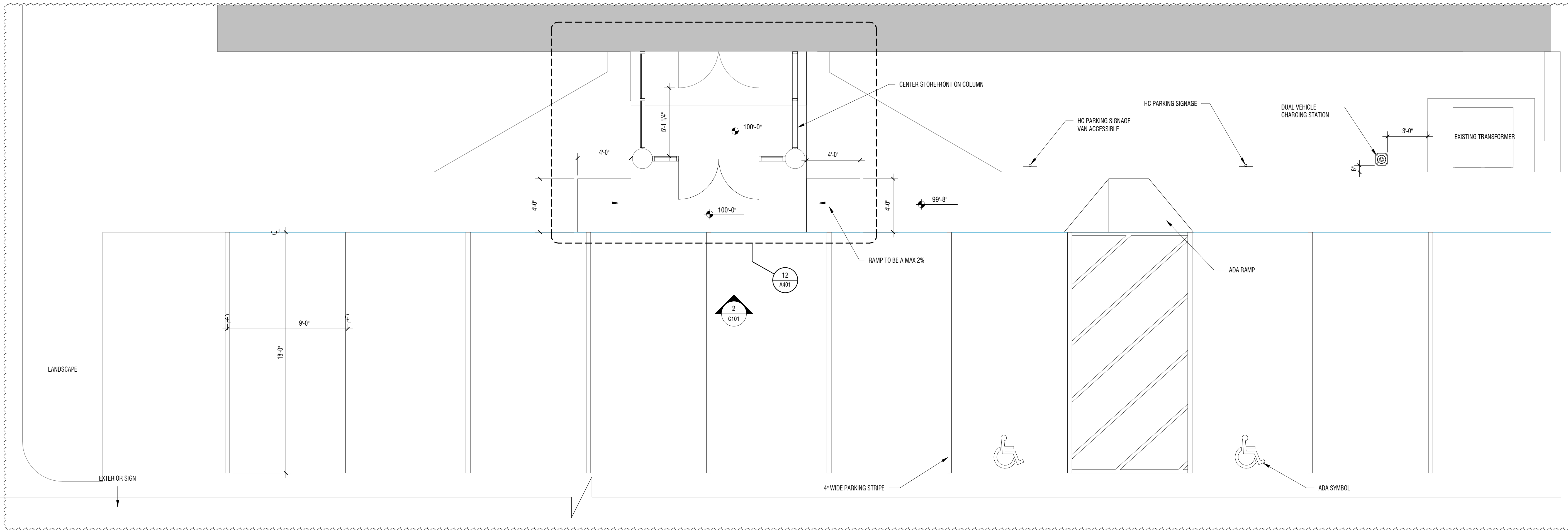
2 NORTH EXTERIOR ELEVATION

1/4" = 1'-0"



3 EXTERIOR SIGNAGE

3/8" = 1'-0"

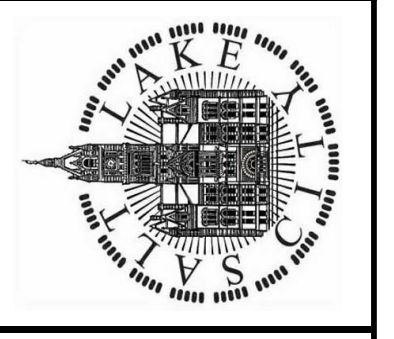


1 ENTRY SITE PLAN

1/4" = 1'-0"

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DRAWN BY:	oct	PROJECT #:	18-029
CHECKED BY:		<small>UTAH ARCHITECTS BOARD</small> <small>WEST JORDAN, UTAH</small> <small>6888</small> 	
APPROVED BY:		MADE BY:	
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MARK:		CITY REVIEW:	

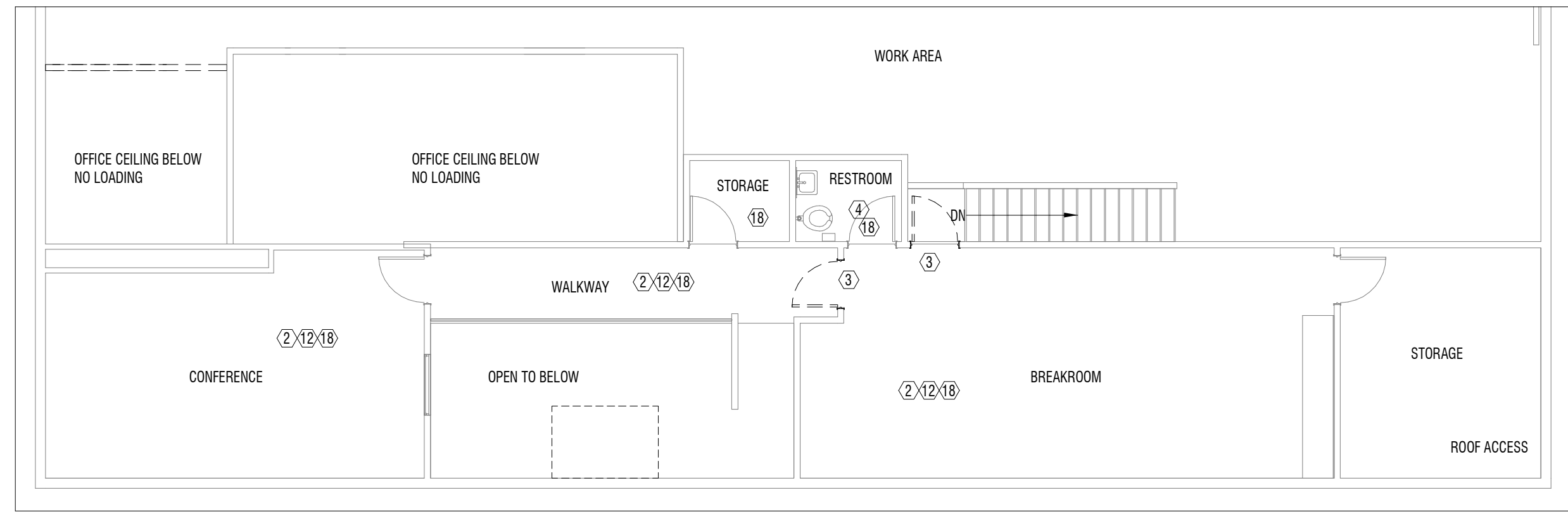
SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS
ENTRY SITE PLAN



DRAWING NO.
C101
 SHEET 4 of 27

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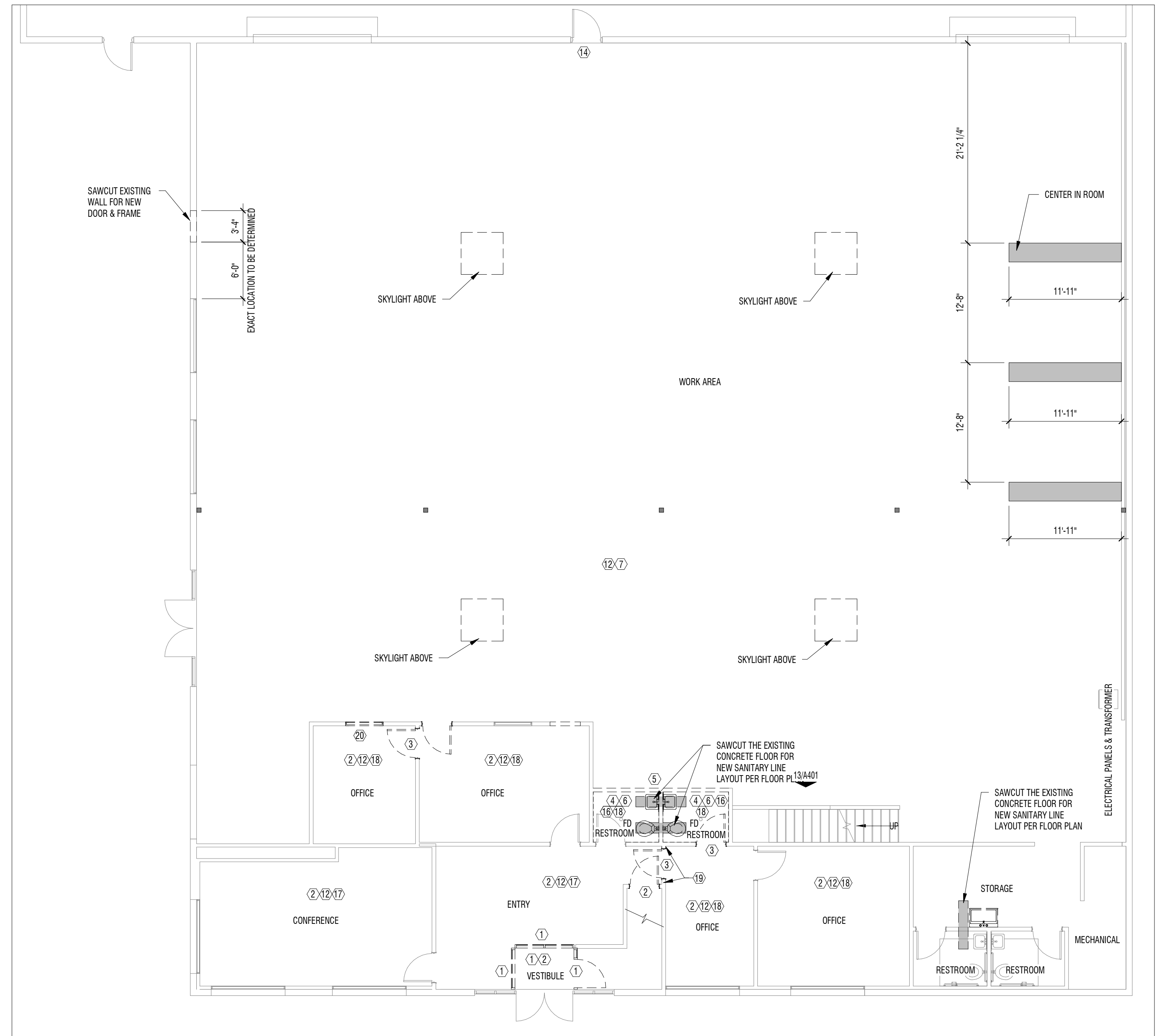
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2 2ND FLOOR DEMOLITION PLAN

1/8" = 1'-0"

1. REMOVE EXISTING VESTIBULE GLASS, FRAMES AND CEILING.
2. REMOVE CARPET & GLUE. CLEAN FLOOR FOR NEW FINISH. REMOVE RUBBERBASE WHERE LOCATED, EXISTING WOOD BASE TO REMAIN.
3. REMOVE DOOR AND FRAME.
4. REMOVE EXISTING FIXTURES. REFER TO PLUMBING DEMOLITION.
5. REMOVE EXISTING WALL AND FINISHES.
6. REMOVE EXISTING TILE FLOORING DOWN TO SETTING BED.
7. CLEAN EXISTING CONCRETE FLOORING, REMOVING ALL PAINT, STAIN AND SEALER. PREP FOR NEW FINISH.
8. REMOVE EXISTING CEILING TILES.
9. REMOVE CASEWORK, ELECTRICAL, CAP PLUMBING, ETC. FROM BREAK AREA.
10. RELOCATE EXISTING OVERHEAD CONTROLS TO NEW WALL. SEE FLOOR PLAN. VERIFY AND CORRECT OVERHEAD DOOR OPERATION TO FUNCTION PROPERLY & SAFELY.
11. REMOVE PRE-FAB WALLS, DOORS & WINDOWS.
12. CLEAN CEILING BY REMOVING DIRT AND DUST. PREP FOR NEW PAINT.
13. VERIFY AND CORRECT OVERHEAD DOOR OPERATION TO FUNCTION PROPERLY & SAFELY.
14. REMOVE EXISTING DOOR HARDWARE. PREP FOR NEW HARDWARE. THIS ALSO APPLIES TO EXISTING DOOR LOCATED APPROXIMATELY 100 FEET TO THE SOUTH AT THE BACK OF THE BUILDING.
15. REMOVE EXISTING FINISH AND GYPSUM BOARD.
16. REMOVE EXISTING TILE WAINSCOT AROUND PERIMETER OF ROOM.
17. CLEAN EXISTING GYPSUM BOARD & WOOD PANEL WALLS. PREP FOR NEW PAINT.
18. CLEAN EXISTING GYPSUM BOARD, PREP FOR PAINT.
19. REMOVE PORTION OF WALL TO CORNER.
20. REMOVE WINDOW & PORTION OF WALL FOR NEW DOOR.
- 21.



1 1ST FLOOR DEMOLITION PLAN

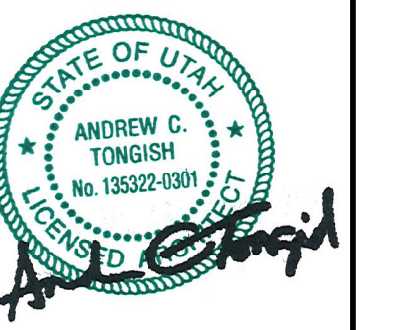
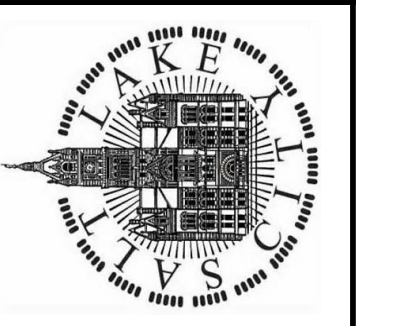
1/8" = 1'-0"

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ISSUED BY:
PROJECT #:

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4/4/2019
18-029

MARK	DATE	REVISIONS	MADE BY	AUTH BY

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS



DRAWING NO.
D101
SHEET 5 of 27

DEMOLITION PLANS & NOTES

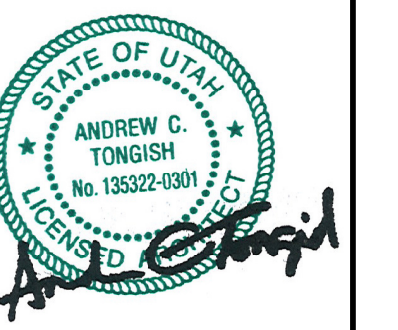
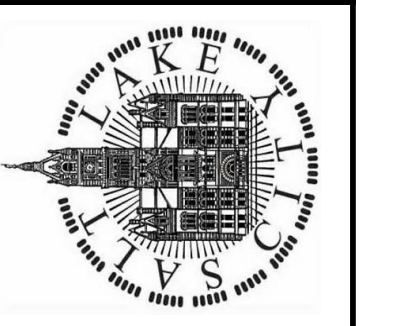
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4/4/2019
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WEST CAMPUS



DRAWING NO.
D101
SHEET 5 of 27

DEMOLITION PLANS & NOTES

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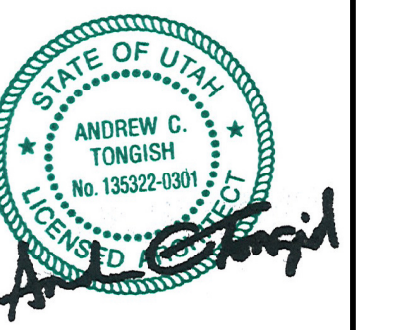
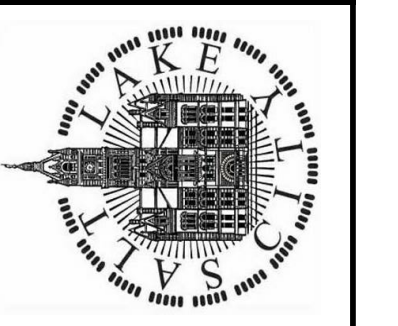
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18-029

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SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS



DRAWING NO.
D101
SHEET 5 of 27

DEMOLITION PLANS & NOTES

GENERAL NOTES

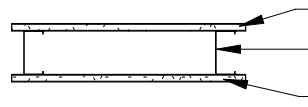

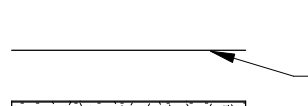

- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE. LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DIMENSION DISCREPANCIES OR CONFLICTS BEFORE PROCEEDING WITH THAT PORTION OF WORK.
- CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD / MASONRY. DIMENSIONS MARKED 'CLR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- ALL DOOR FRAMES SHALL BE 3" MIN. FROM WALL U.N.O.
- CG, EG= CORNER GUARD. SEE FINISH LEGEND FOR MATERIAL.
- BLOCKING TO BE PROVIDED FOR ALL WALL MOUNTED EQUIPMENT.
- FE = FIRE EXTINGUISHER.

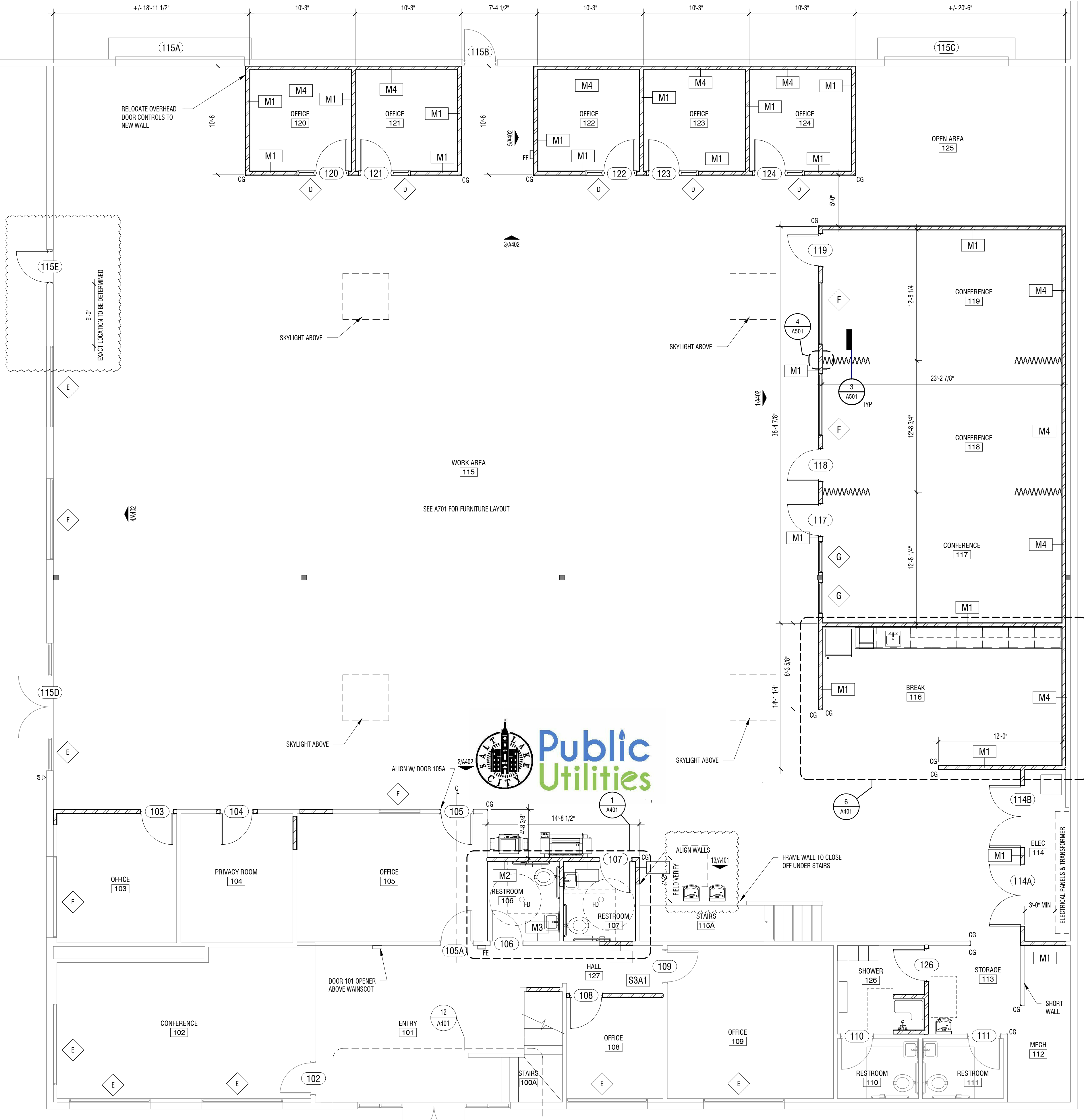
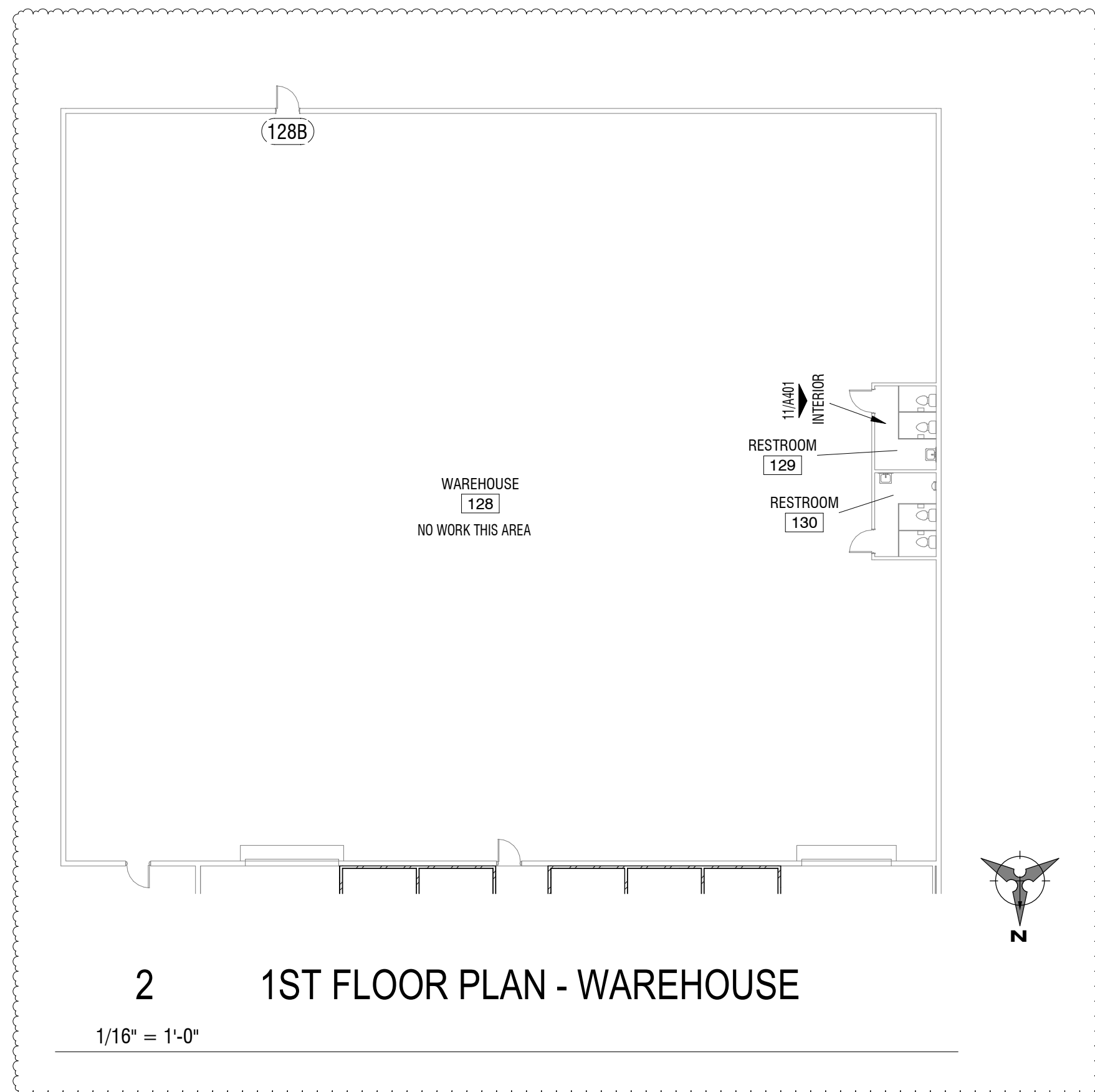
REMOVE ALL UN-USED WIRING, CONDUITS, LIGHTING, HVAC NOT NOTED TO REMAIN ON THE MEP DRAWINGS.

REMOVE EXISTING TACK BOARDS, RETURN TO OWNER. PATCH AND REPAIR WALLS FOR NEW FINISH.

CONTRACTOR SHALL INSTALL OWNER PROVIDED SIGNAGE IN EACH CONFERENCE ROOM.

WALL TYPES

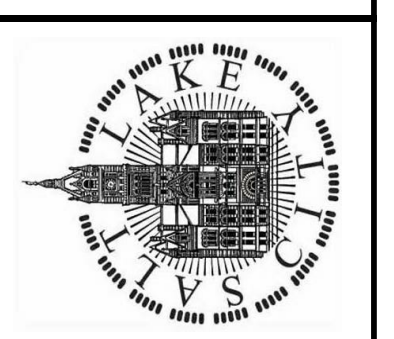
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M2	 <ul style="list-style-type: none"> 5/8" GYPSUM BOARD 3 5/8" METAL STUDS @ 16" OC 5/8" GYPSUM BOARD CERAMIC TILE
M3	 <ul style="list-style-type: none"> EXISTING WALL 5/8" GYPSUM BOARD CERAMIC TILE
M4	 <ul style="list-style-type: none"> EXISTING WALL 3 5/8" METAL STUDS @ 16" OC 5/8" GYPSUM BOARD



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 CHECKED BY: [blank]
 ISSUED BY: [blank]
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SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS
1ST FLOOR PLAN



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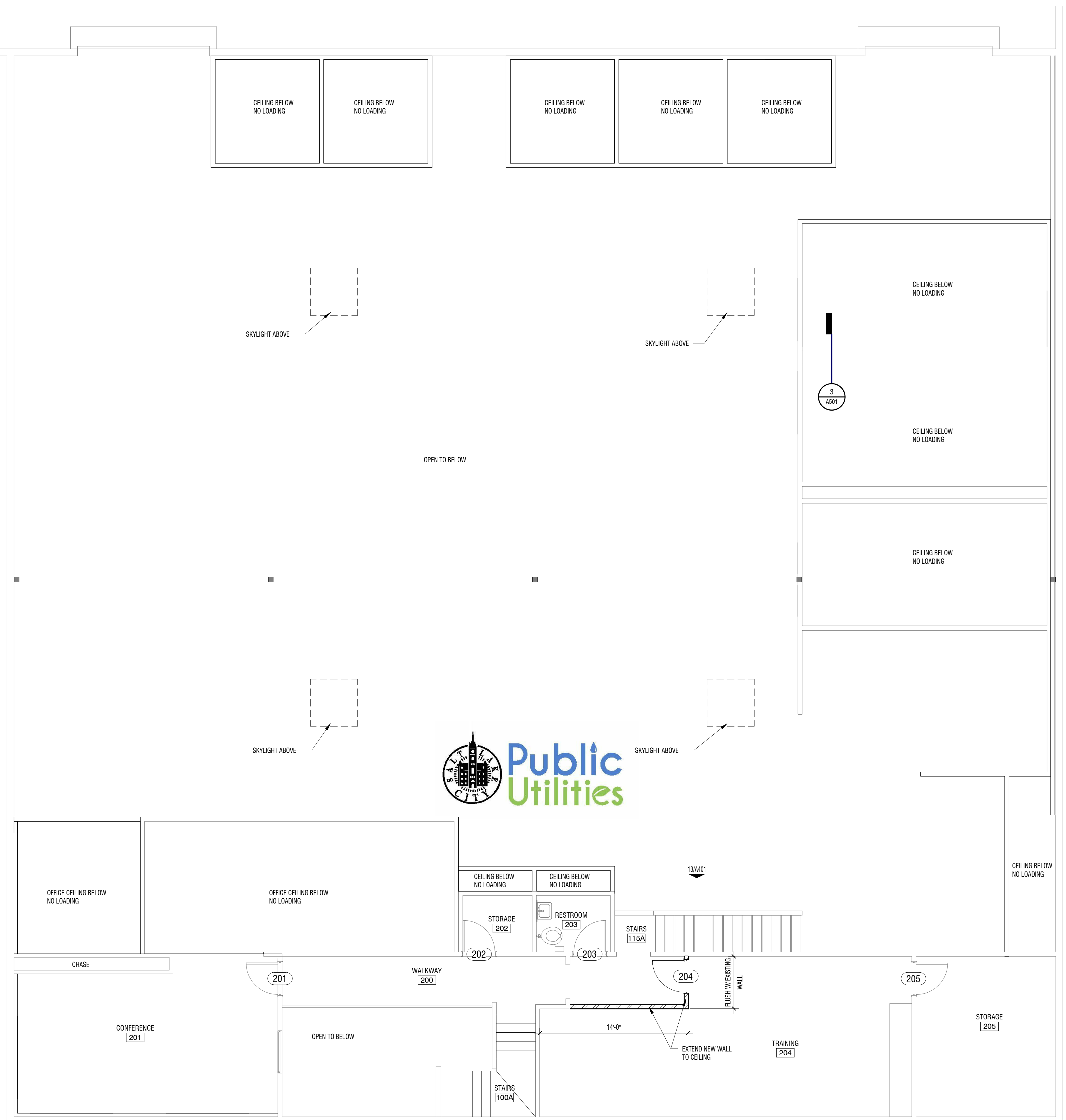
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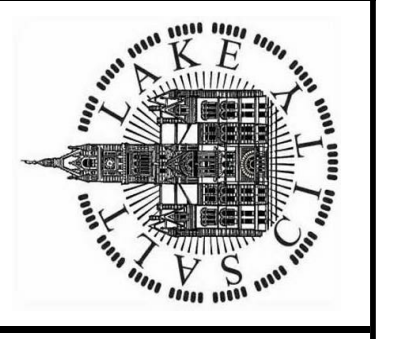
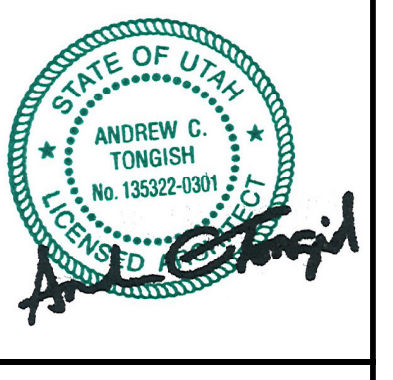
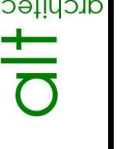
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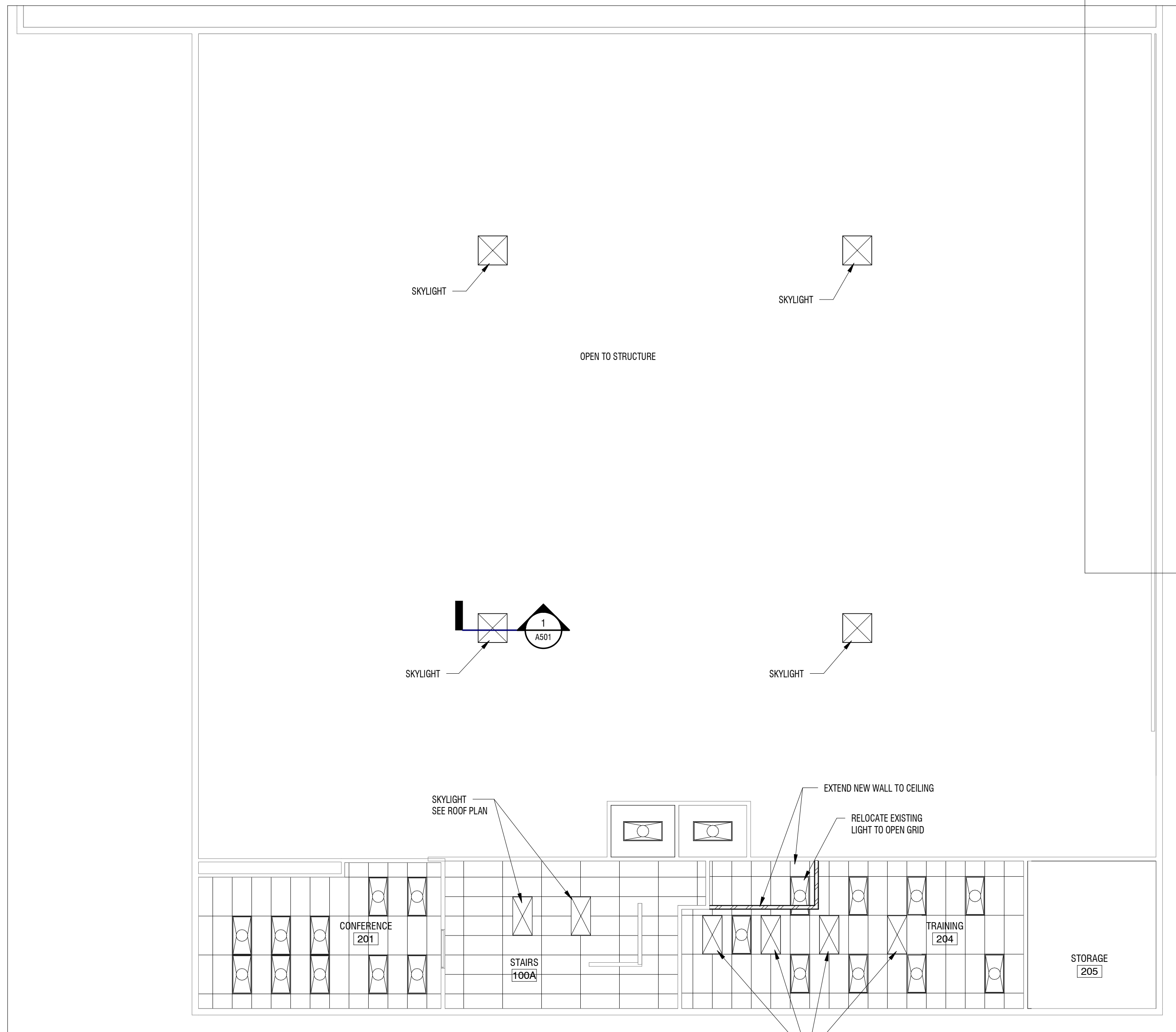
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1 2ND FLOOR PLAN

3/16" = 1'-0"

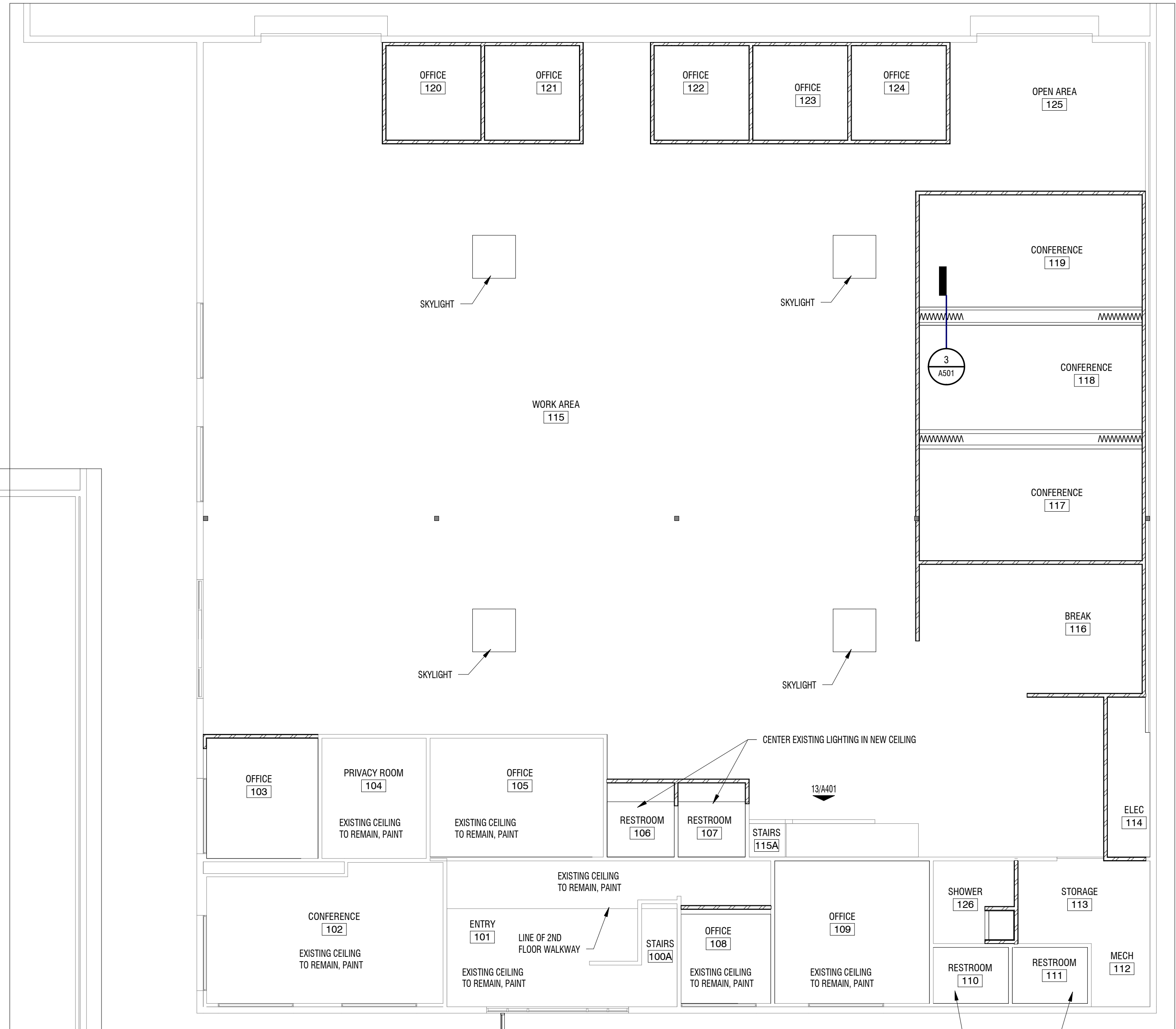


SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES WEST CAMPUS		2ND FLOOR PLAN
		
		
FOR BIDDING	A102	
SHEET 7 of 27		
SCALE: 3/16" = 1'-0" VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING	DESIGNED BY: [] DRAWN BY: [] CHECKED BY: [] APPROVED BY: [] ISSUED: 4/4/2019 PROJECT #: 18-029	ARCHITECTURE  1000 W. 2100 S. WEST JORDAN, UTAH 84088
MARK: [] DATE: [] REVISIONS: [] MADE BY: [] AUTH BY: []		



2 2ND FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"



1 REFLECTED CEILING PLAN

1/8" = 1'-0"

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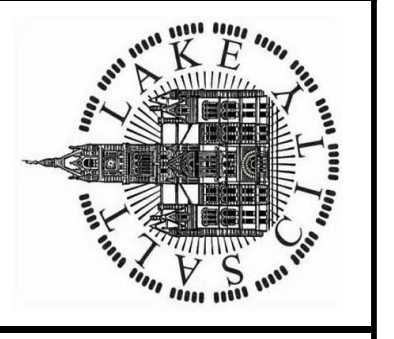
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 ISSUED: 4/4/2019
 PROJECT #: 18-029

architect
 606 W. 100 S.
 WEST JORDAN, UTAH 84086

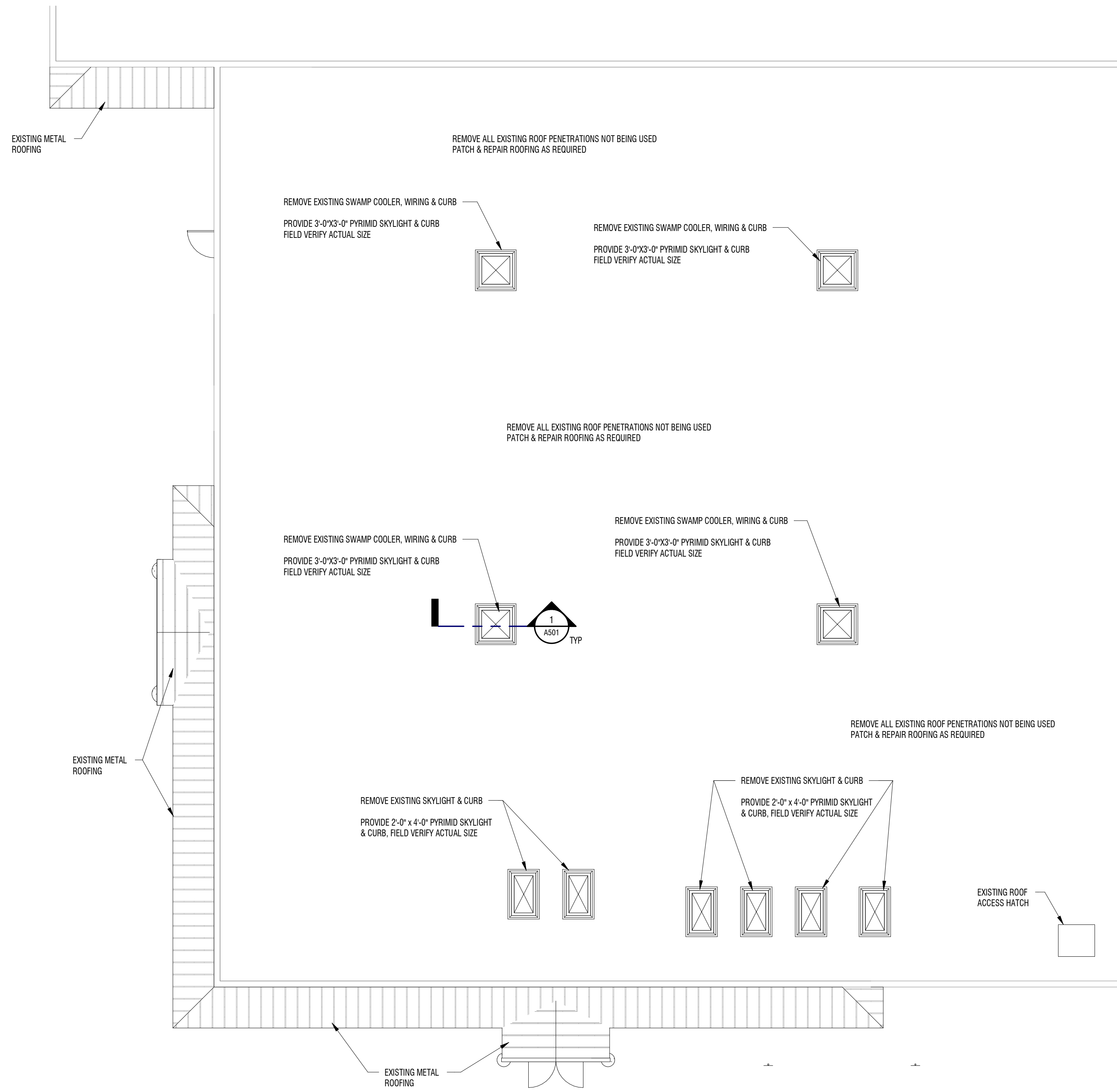
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SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS
REFLECTED CEILING PLANS



FOR BIDDING

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1 ROOF PLAN

1/8" = 1'-0"

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

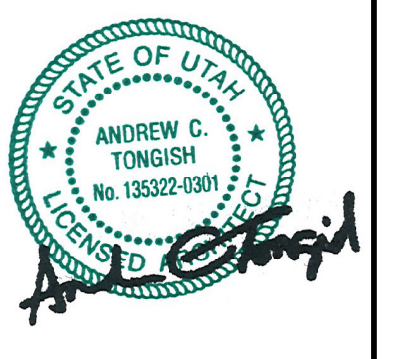
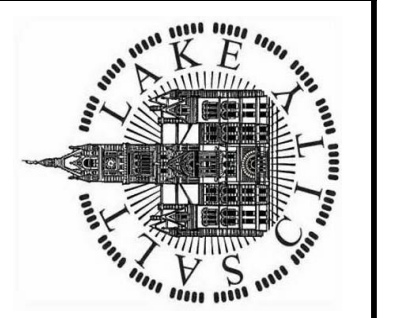
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DESIGNED BY: oct
DRAWN BY: oct
CHECKED BY: 4/4/2019
ISSUED BY: 18-029
PROJECT #:

alt
architect
1600 N. 3000 W.
SALT LAKE CITY, UT 84119
8668

MARK	DATE	REVISIONS	MADE BY	AUTH BY

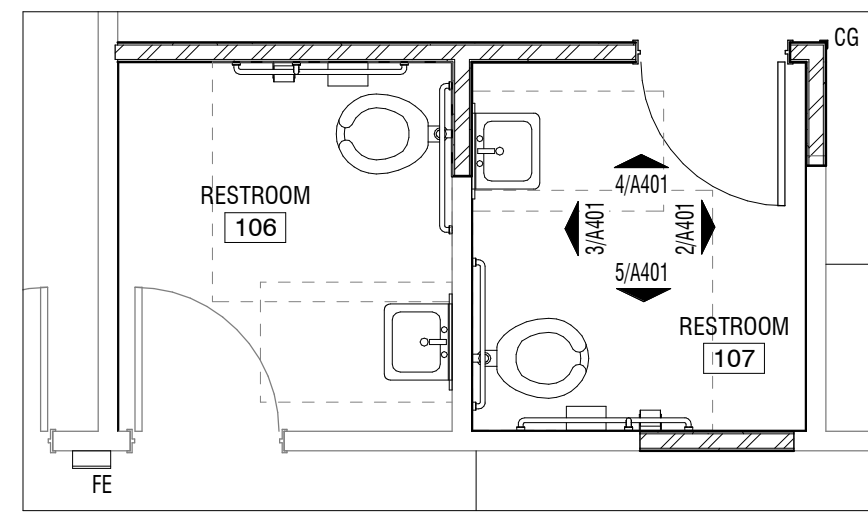
SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS
ROOF PLAN



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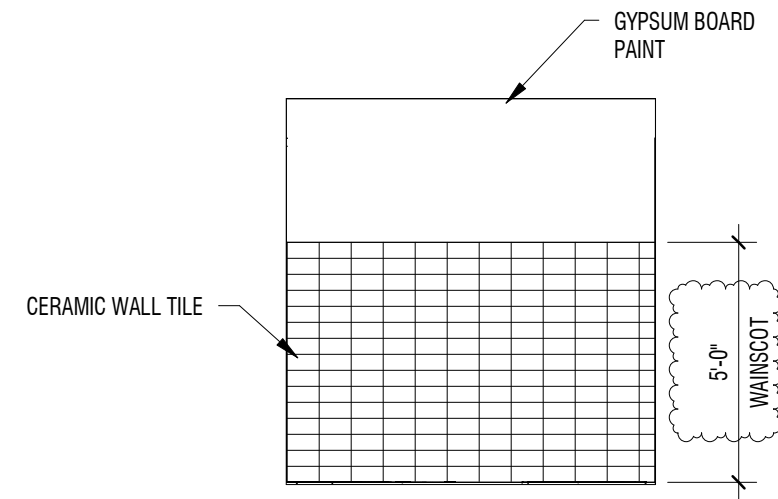
DRAWING NO.
A120

SHEET 9 of 27



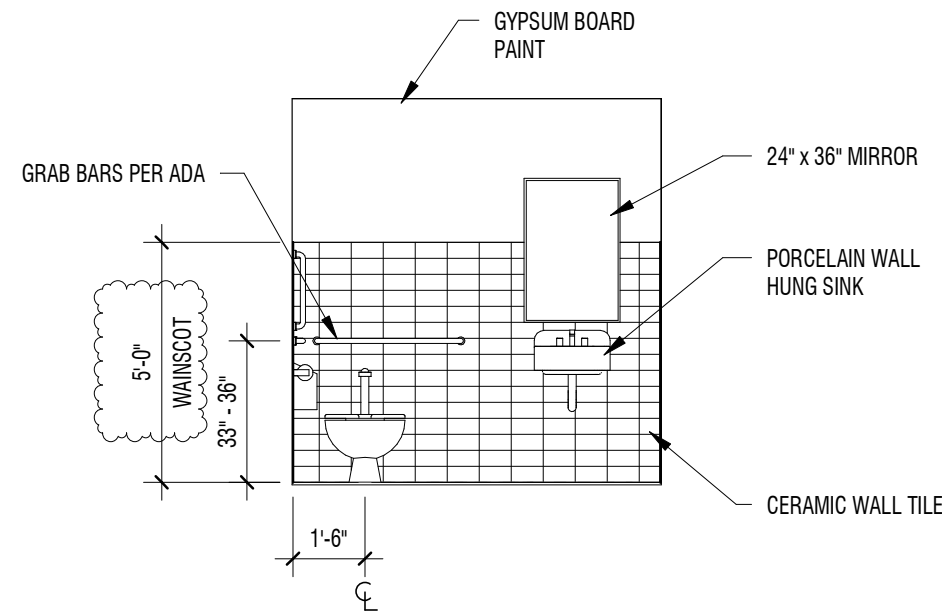
1 ENLARGED RESTROOMS

1/4" = 1'-0"



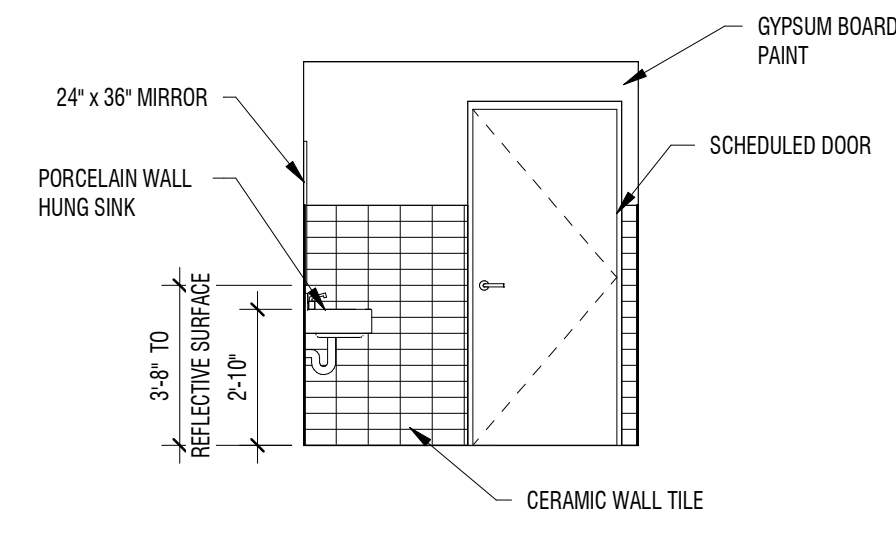
2 RESTROOM

1/4" = 1'-0"



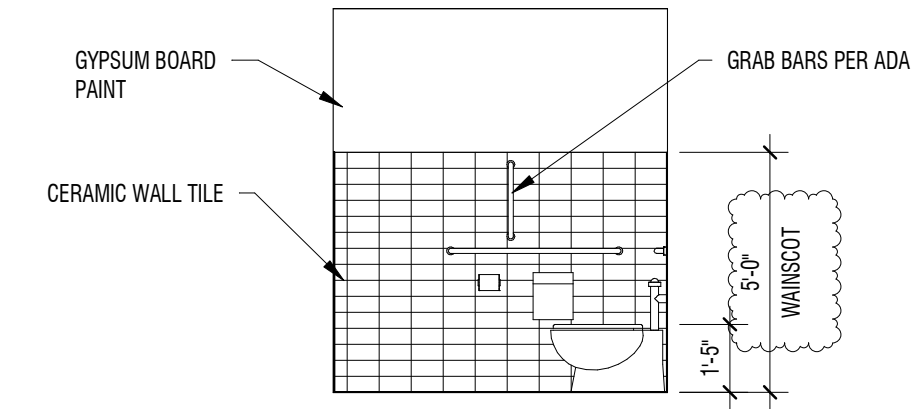
3 RESTROOM

1/4" = 1'-0"



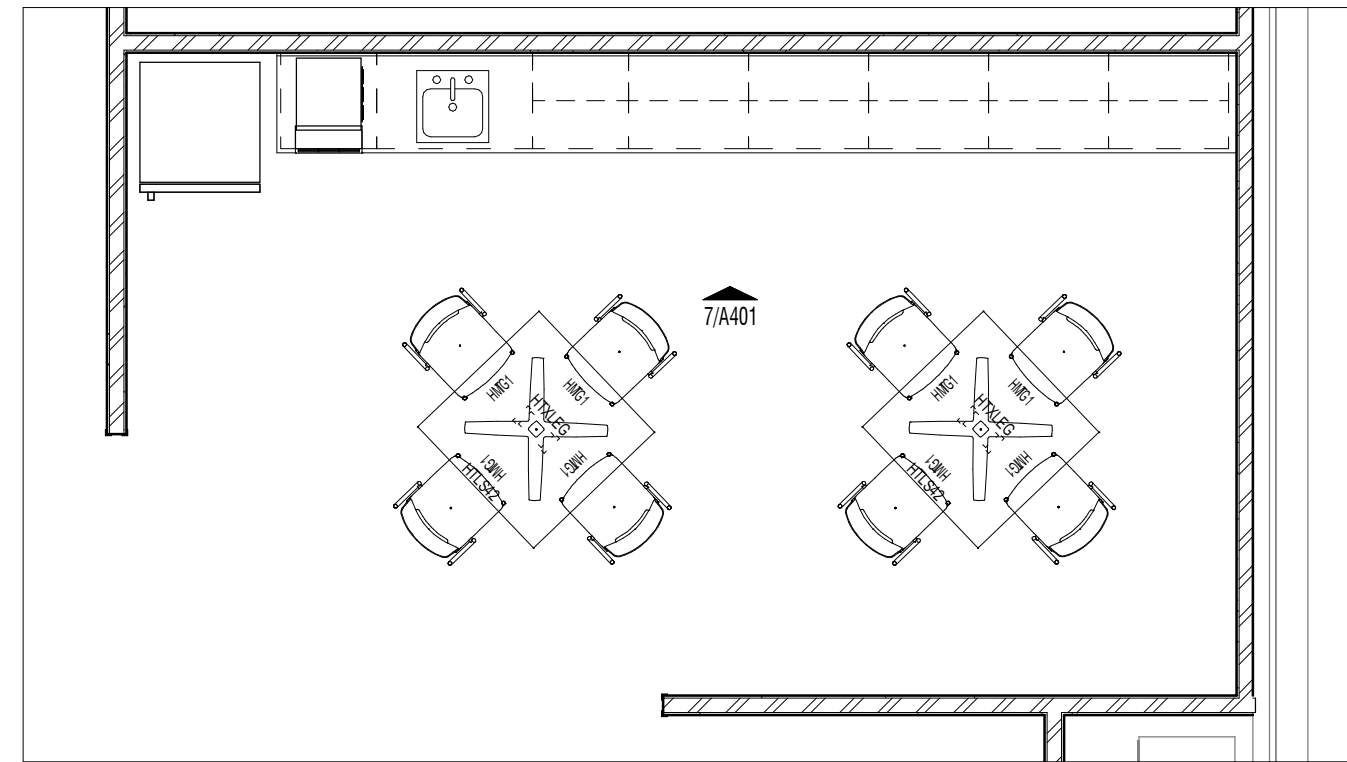
4 RESTROOM

1/4" = 1'-0"



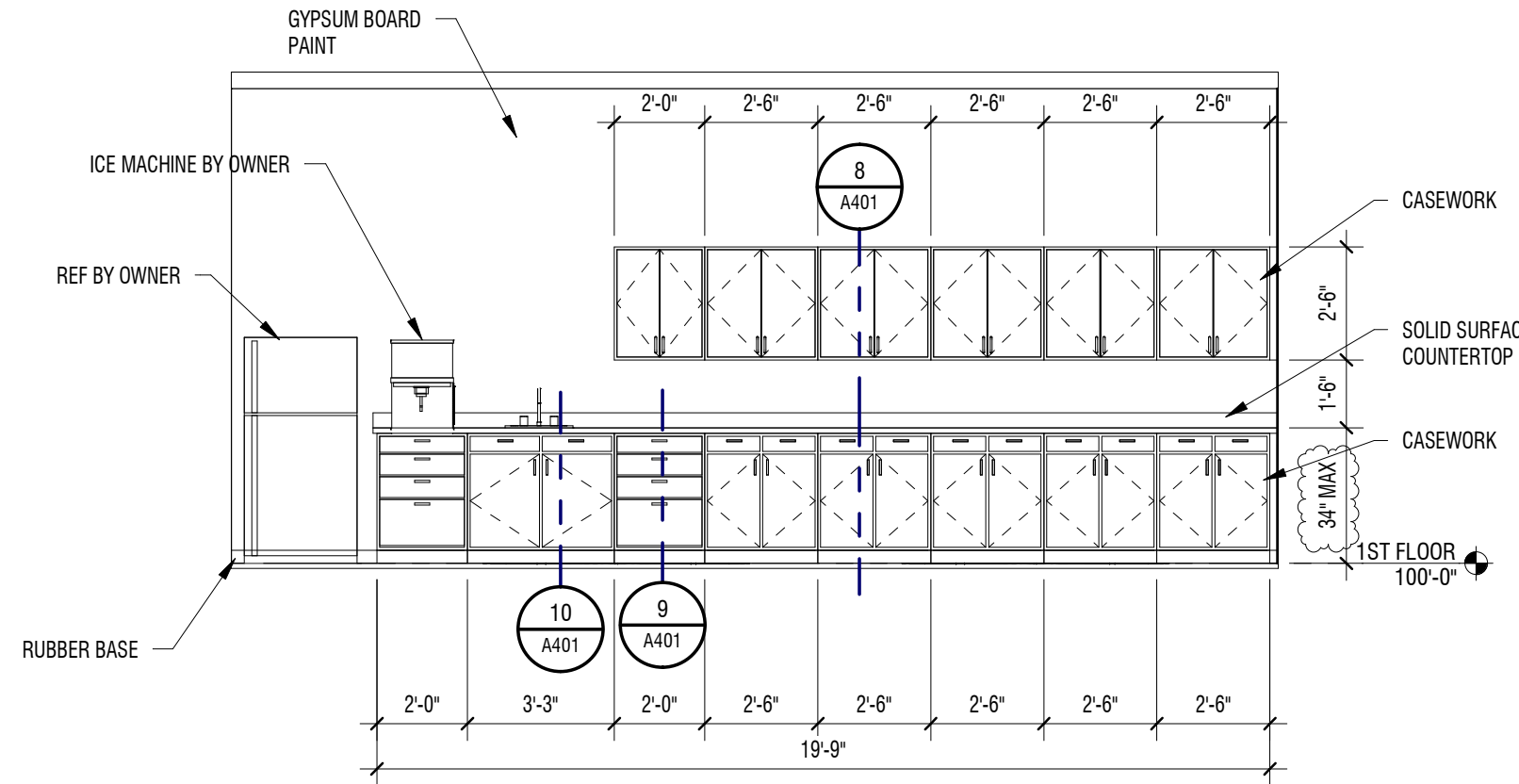
5 RESTROOM

1/4" = 1'-0"



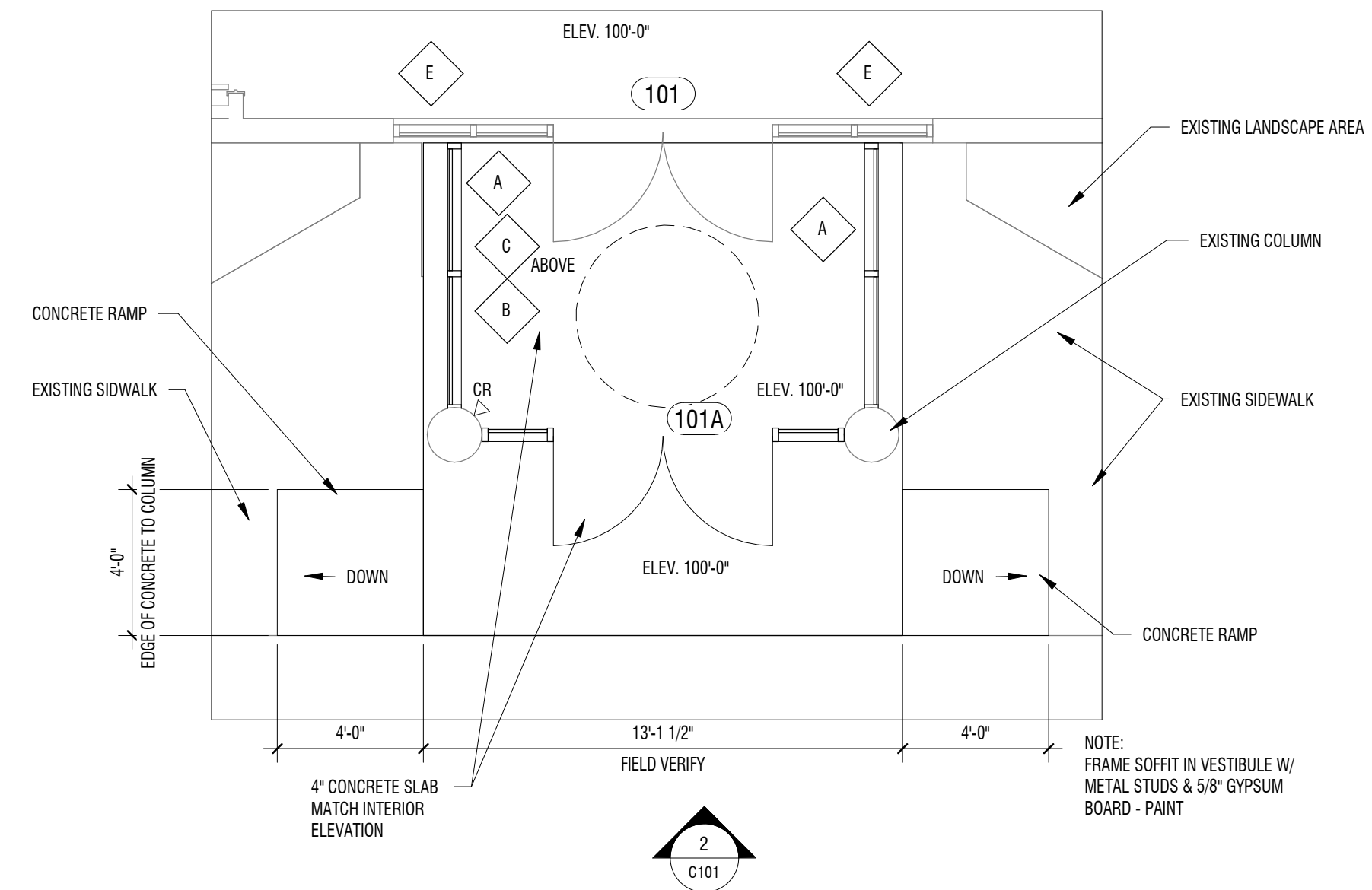
6 ENLARGED BREAK

1/4" = 1'-0"



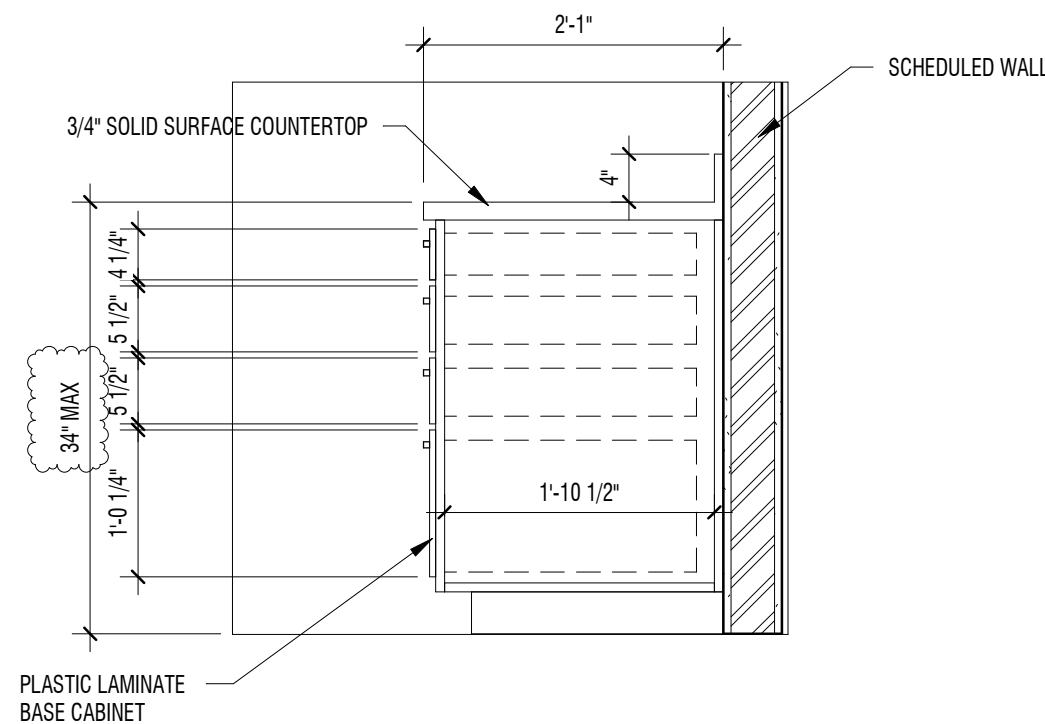
7 BREAK

1/4" = 1'-0"



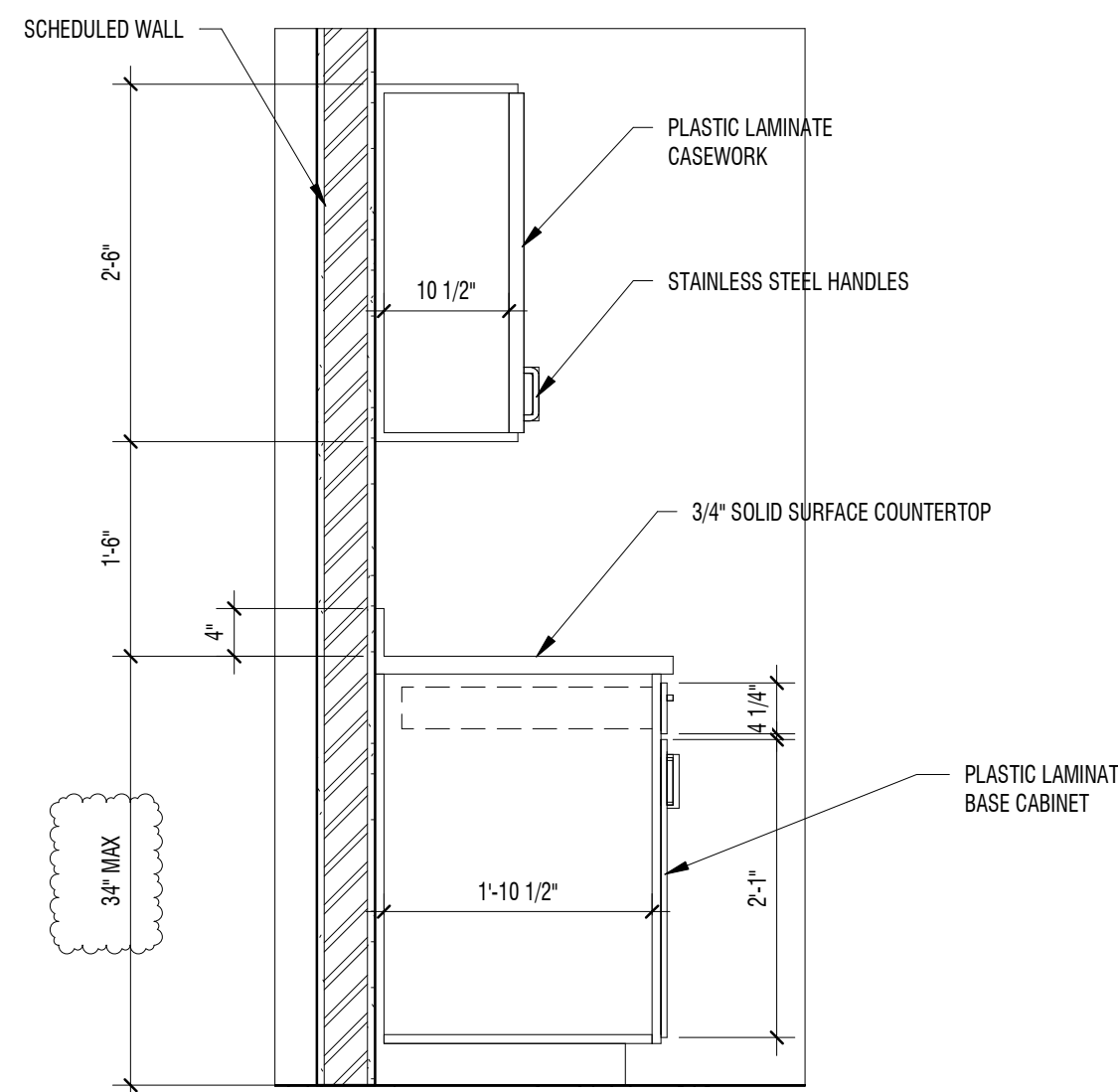
12 ENTRY VESTIBULE

1/4" = 1'-0"



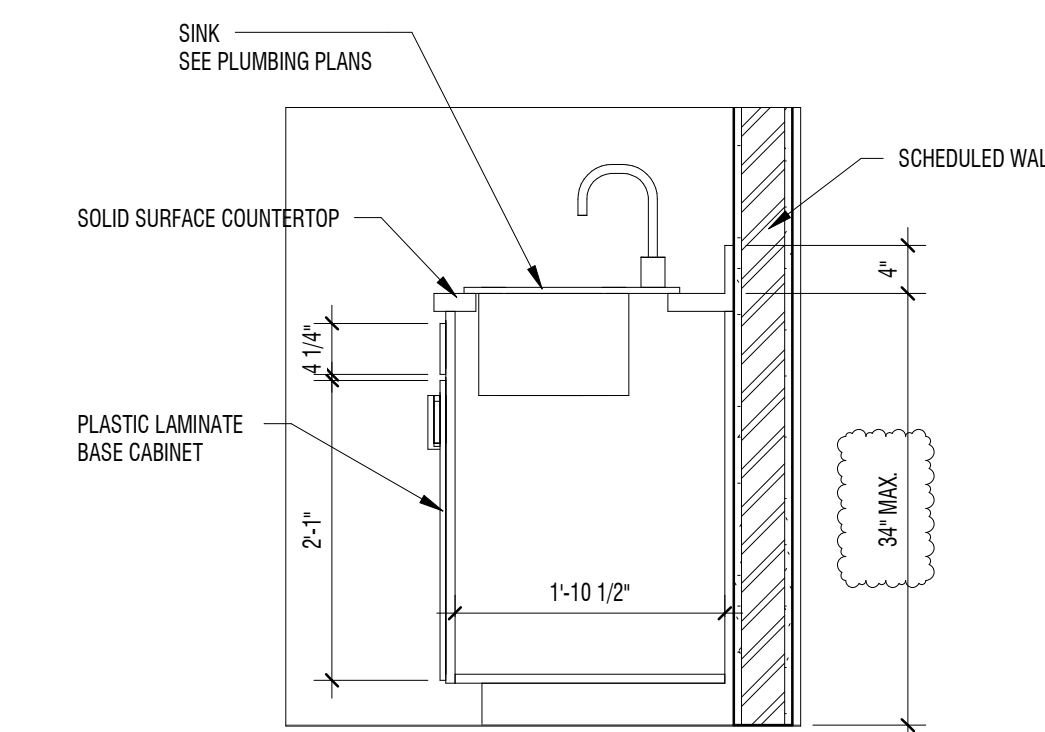
9 BASE CABINET (DRAWERS)

3/4" = 1'-0"



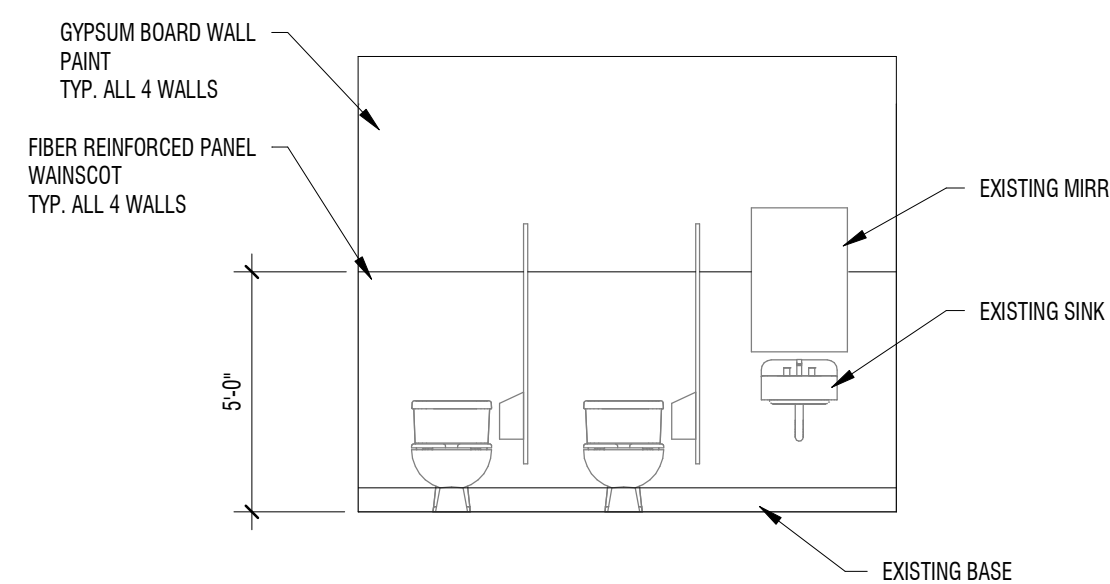
8 CASEWORK (BASE & UPPER)

3/4" = 1'-0"



10 BASE CABINET (SINK)

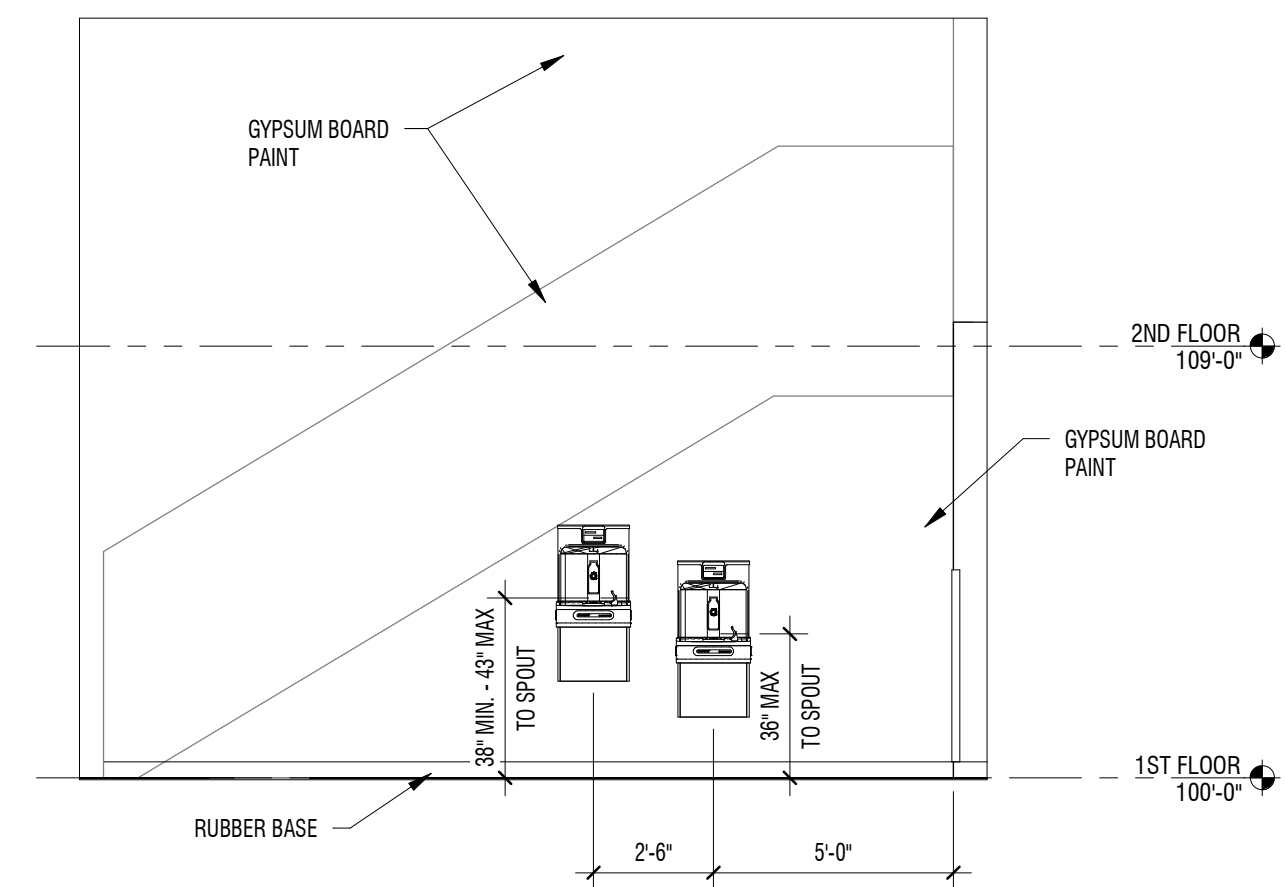
3/4" = 1'-0"



11 RESTROOM 129

1/4" = 1'-0"

(RESTROOM 128 SIMILAR)



13 DRINKING FOUNTAINS

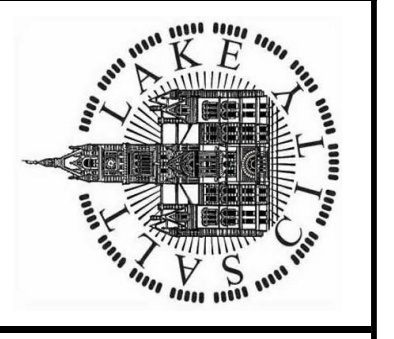
1/4" = 1'-0"

MAJORITY OF SHEET HAS CITY REVIEW CHANGES

DESIGNED BY: [blank]
 DRAWN BY: [blank]
 CHECKED BY: [blank]
 APPROVED BY: [blank]
 ISSUED: 4/4/2019
 PROJECT #: 18-029

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1	3/6/2019	CITY REVIEW		

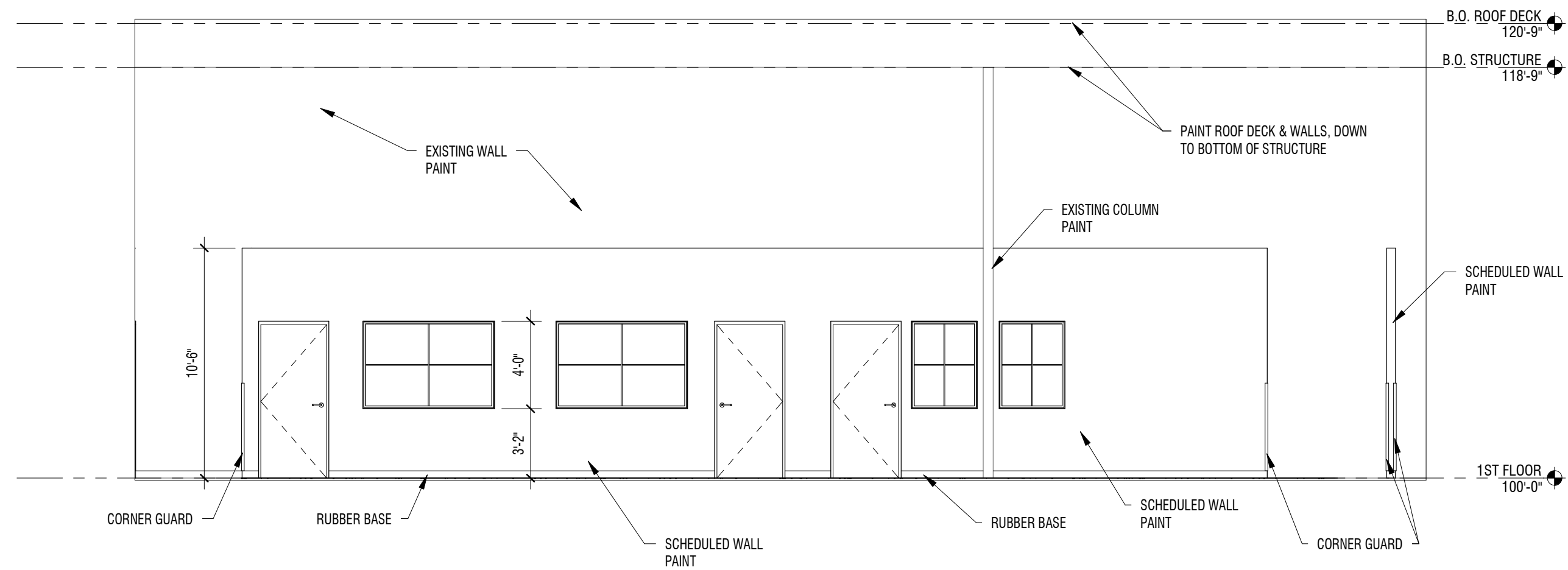
SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
 WEST CAMPUS
ENLARGED PLANS & INTERIOR ELEVATIONS



FOR BIDDING

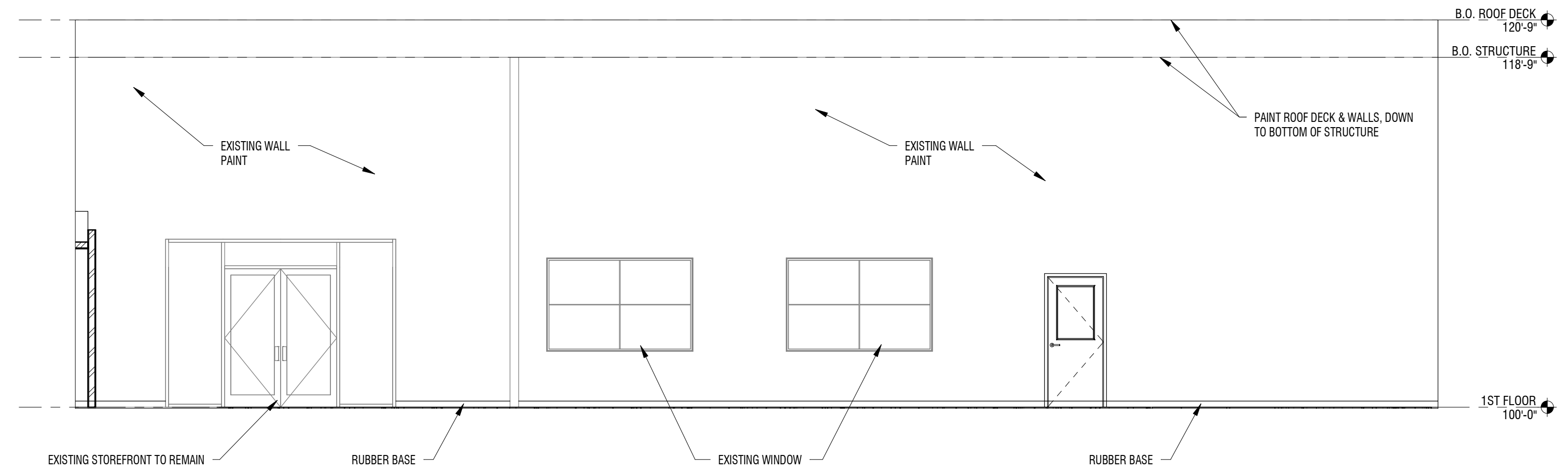
DRAWING NO. **A401**
 SHEET 10 of 27

4/4/2019 9:29:24 AM



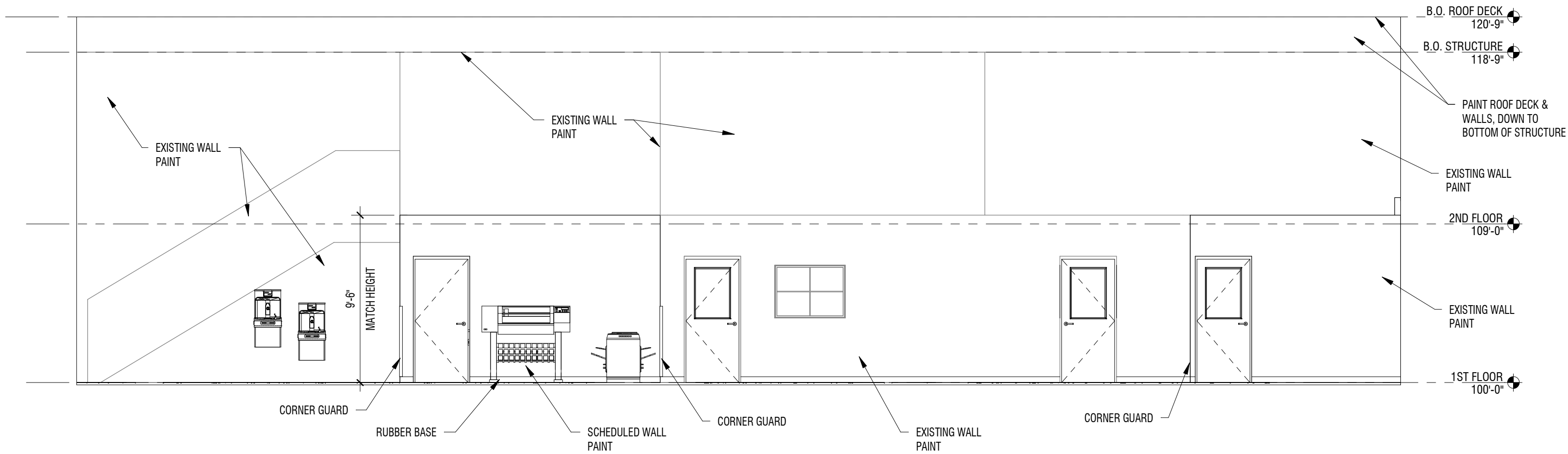
1 WEST ELEVATION (WORK AREA)

3/16" = 1'-0"



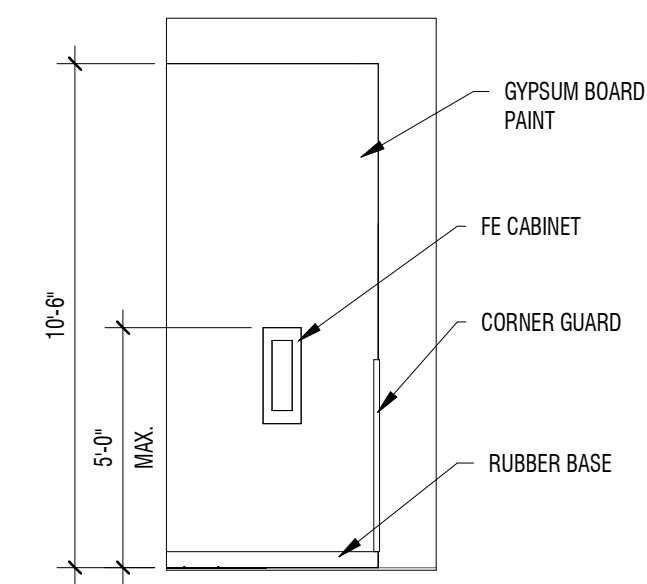
4 EAST ELEVATION (WORK AREA)

3/16" = 1'-0"



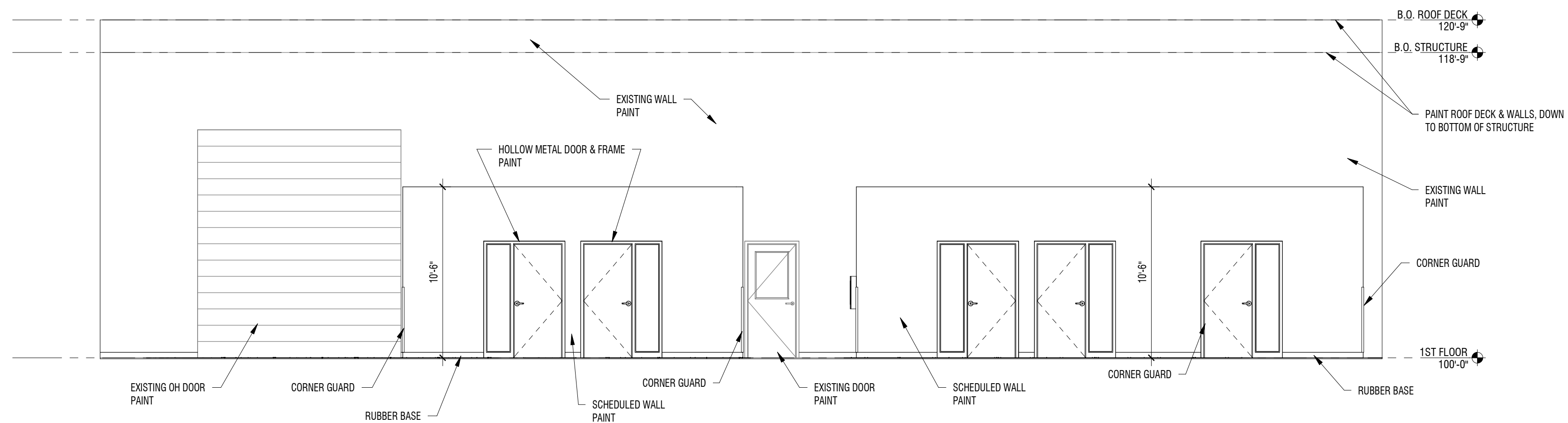
2 NORTH ELEVATION (WORK AREA)

3/16" = 1'-0"



5 FIRE EXTINGUISHER CABINET

1/4" = 1'-0"



3 SOUTH ELEVATION (WORK AREA)

3/16" = 1'-0"

SCALE:
As indicated

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

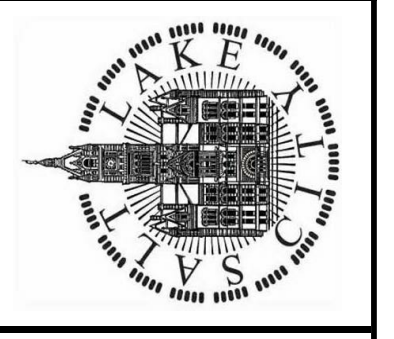
DESIGNED BY: oct
DRAWN BY: oct
CHECKED BY: 4/4/2019
ISSUED BY: 18-029
PROJECT #:

alt
architectural
1600 W. 1000 S.
SALT LAKE CITY, UT 84119

MARK	DATE	REVISIONS	MADE BY	AUTH BY

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS

INTERIOR ELEVATIONS



STATE OF UTAH
ANDREW G. TONGISH
No. 135322-0301

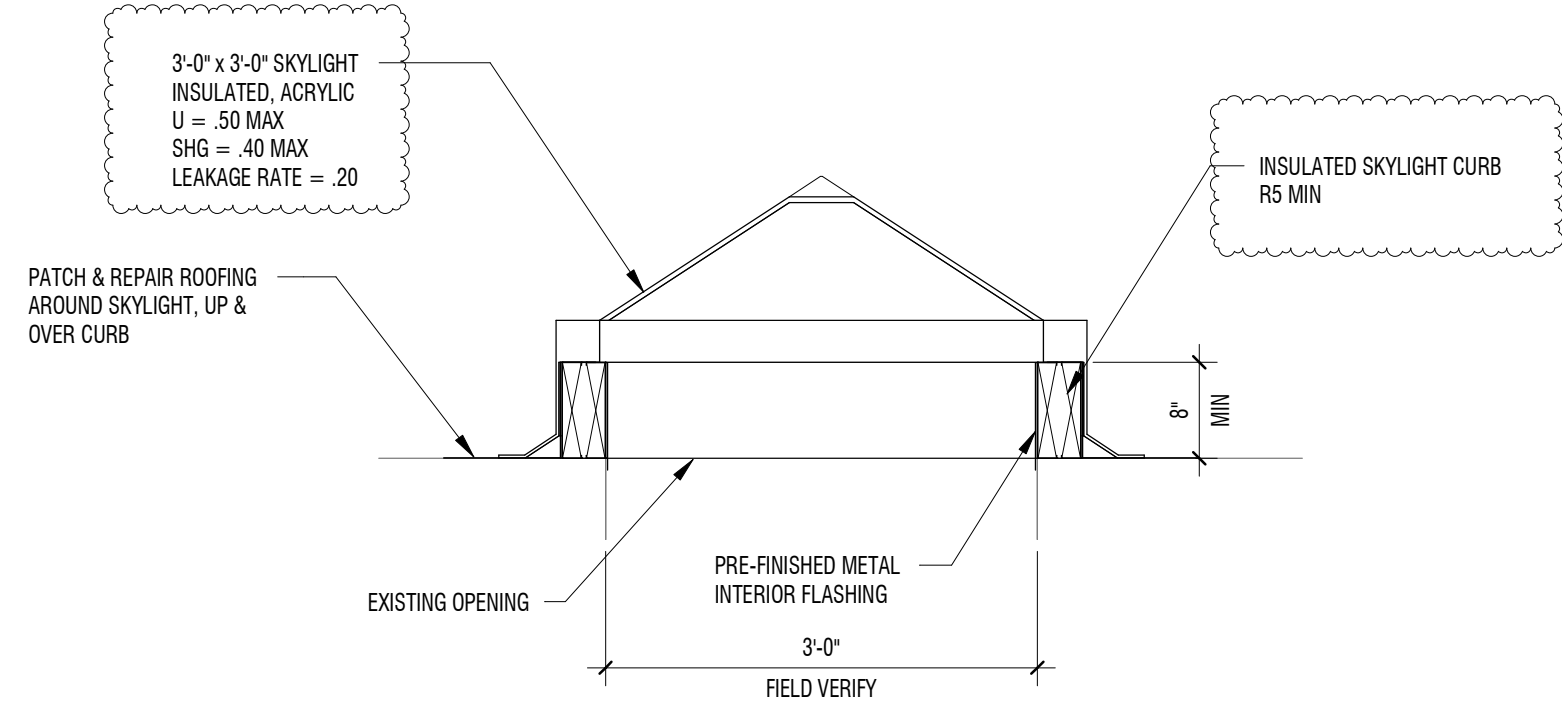
Andrew G. Tongish

DRAWING NO.
A402

SHEET 11 of 27

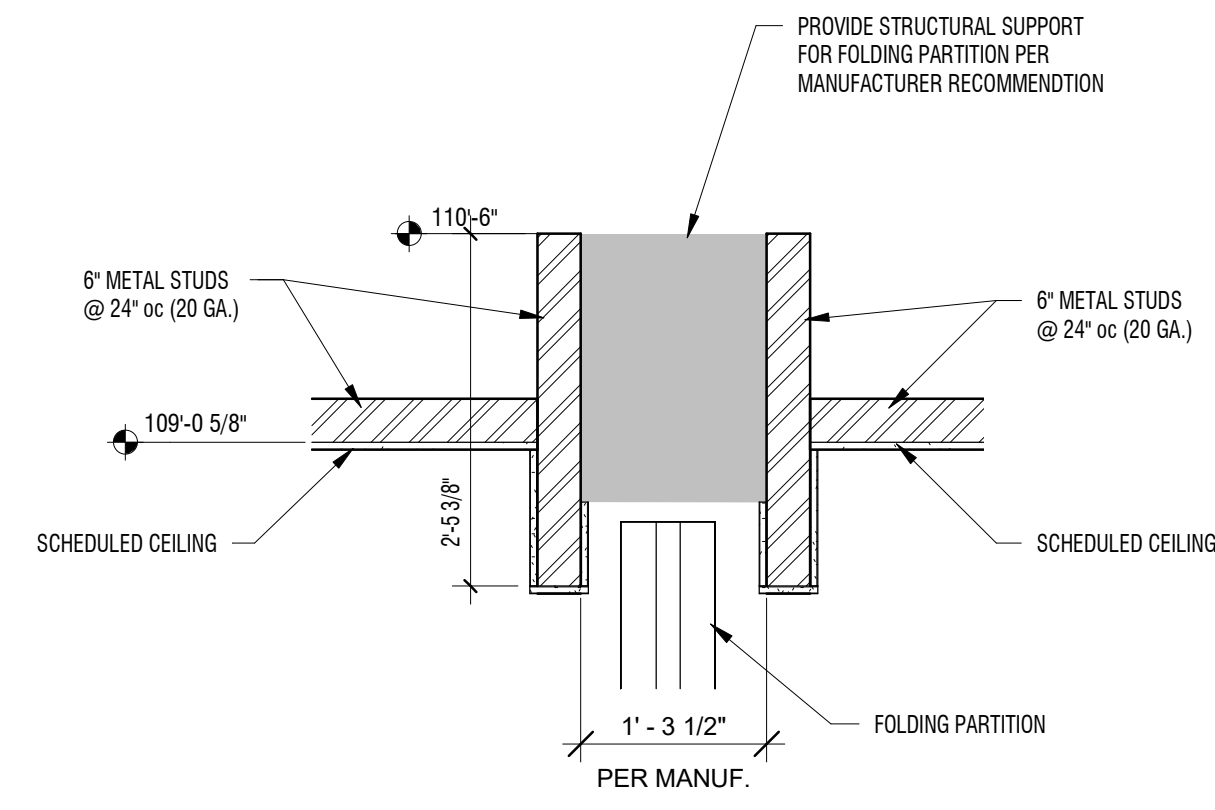
FOR BIDDING

4/4/2019 9:02:25 AM



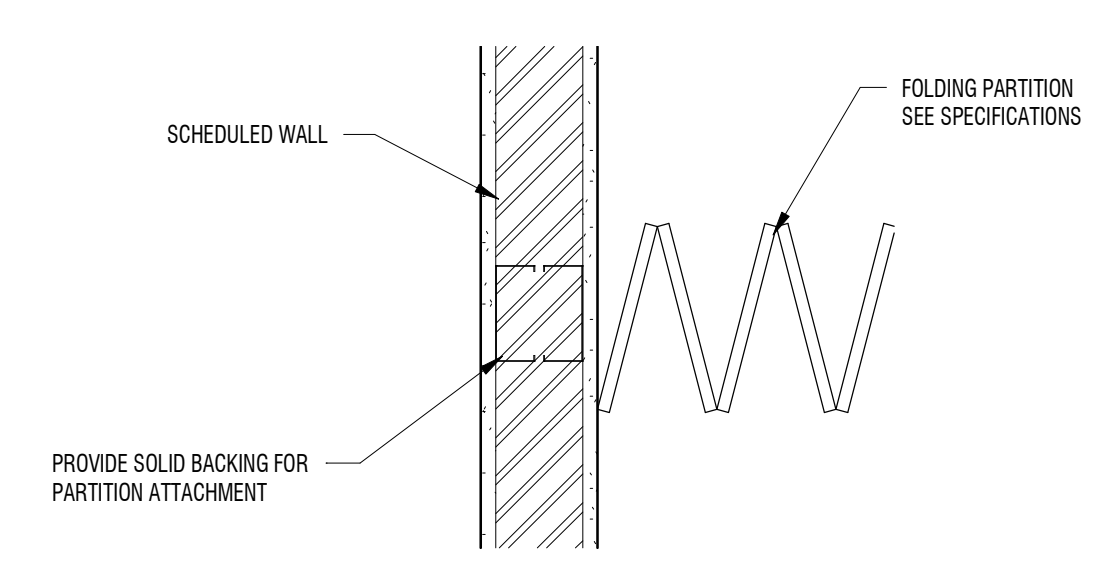
1 SKYLIGHT CURB

3/4" = 1'-0"



3 PARTITION HEADER

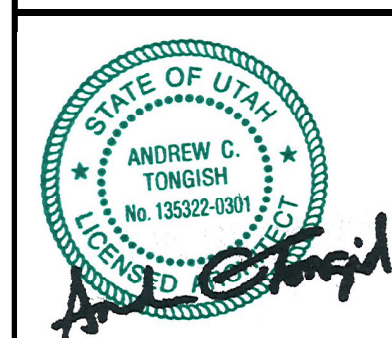
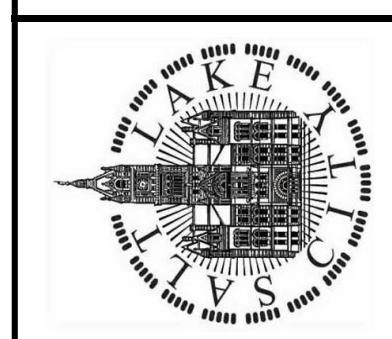
3/4" = 1'-0"



4 PARTITION JAMB

1 1/2" = 1'-0"

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS



DRAWING NO.
A501
SHEET 12 of 27

MARK	DATE	REVISIONS:	MADE BY:	AUTH BY:
1	3/6/2019	CITY REVIEW		

DESIGNED BY: oct
DRAWN BY: oct
CHECKED BY: 4/4/2019
ISSUED BY: 18-029
PROJECT #: 18-029

SCALE: As indicated
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

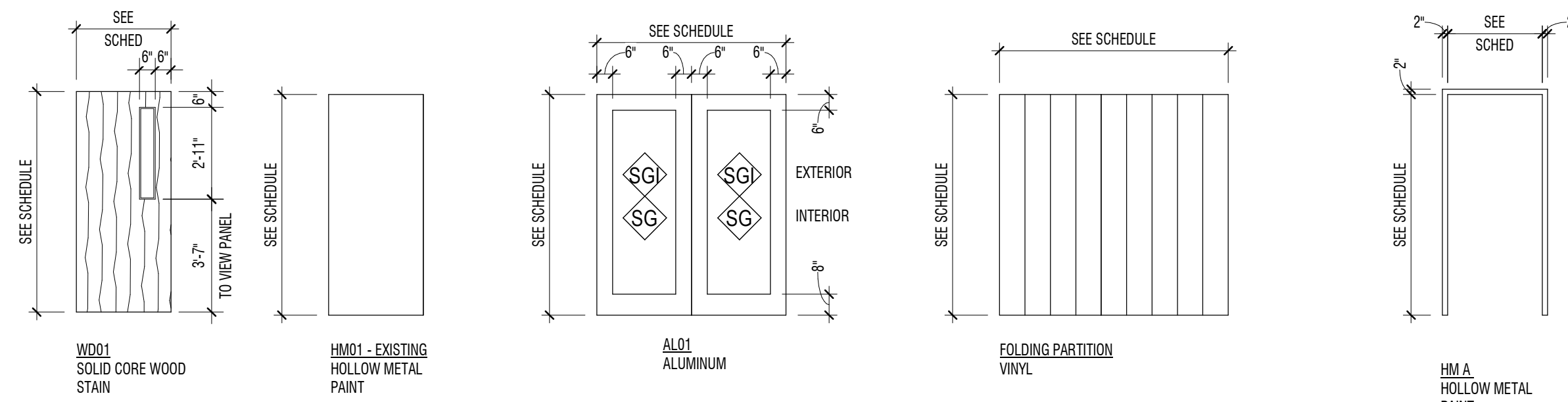
architect
ait
1400 W. 2100 S.
SALT LAKE CITY, UTAH 84119

FOR BIDDING

DETAILS

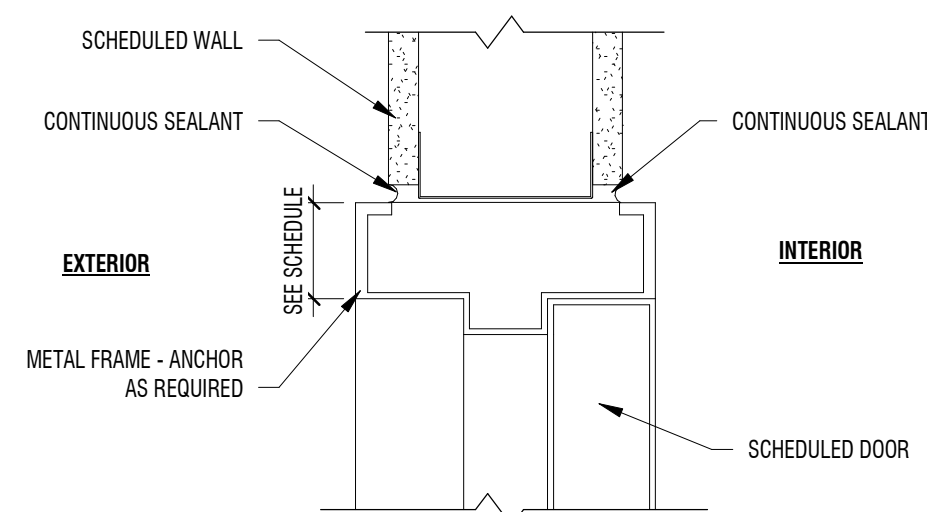
DOOR SCHEDULE												
MARK	SIZE		MATERIAL	THICKNESS	FINISH	GLASS	RATING	FRAME TYPE	DETAILS			COMMENTS
	W	H							HEAD	JAMB	SILL	
100AA	3'-0"	7'-0"	WD07									
100AB	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
101	6'-0"	7'-0"	103									
101A	6'-0"	7'-0"	103									
102	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
103	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
104	3'-0"	7'-0"		1 3/4"								
105	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
105A	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
105B	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
106	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
107	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
108	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
108A	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
109	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
110	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
111	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
112	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
114	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
114A	6'-0"	7'-0"	SOLID CORE WOOD	2"								
114B	6'-0"	7'-0"	SOLID CORE WOOD	2"								
115	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
115A												
115B	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
115C	12'-0"	14'-0"	OVERHEAD SECTIONAL	3"								
115D	6'-0"	7'-5"	103									
115E	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
117	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
118	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
119	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
120	3'-0"	7'-0"	WD14	1 3/4"								
121	3'-0"	7'-0"	WD14	1 3/4"								
122	3'-0"	7'-0"	WD14	1 3/4"								
123	3'-0"	7'-0"	WD14	1 3/4"								
124	3'-0"	7'-0"	WD14	1 3/4"								
126	3'-0"	7'-0"	WD13	1 3/4"								
128A	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
128B	3'-0"	7'-0"	HOLLOW METAL	1 3/4"								
201	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
202	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
203	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								
204	3'-0"	7'-0"		1 3/4"								
205	3'-0"	7'-0"	SOLID CORE WOOD	1 3/4"								

DOOR TYPES



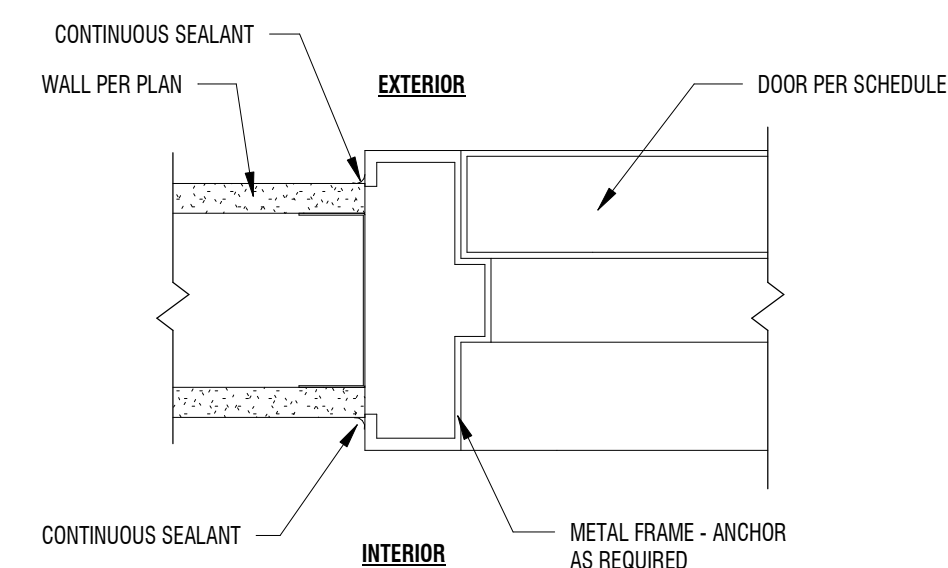
DOOR & WINDOW GENERAL NOTES

1. PROVIDE SEALANT AT JOINTS AT DISSIMILAR MATERIAL CONNECTIONS, ISOLATE DISSIMILAR METALS.
2. ALL DIMENSIONS FOR DOOR & WINDOW OPENINGS TO BE FIELD VERIFIED PRIOR TO MANUFACTURING & INSTALLATION.



7 HM Head Detail

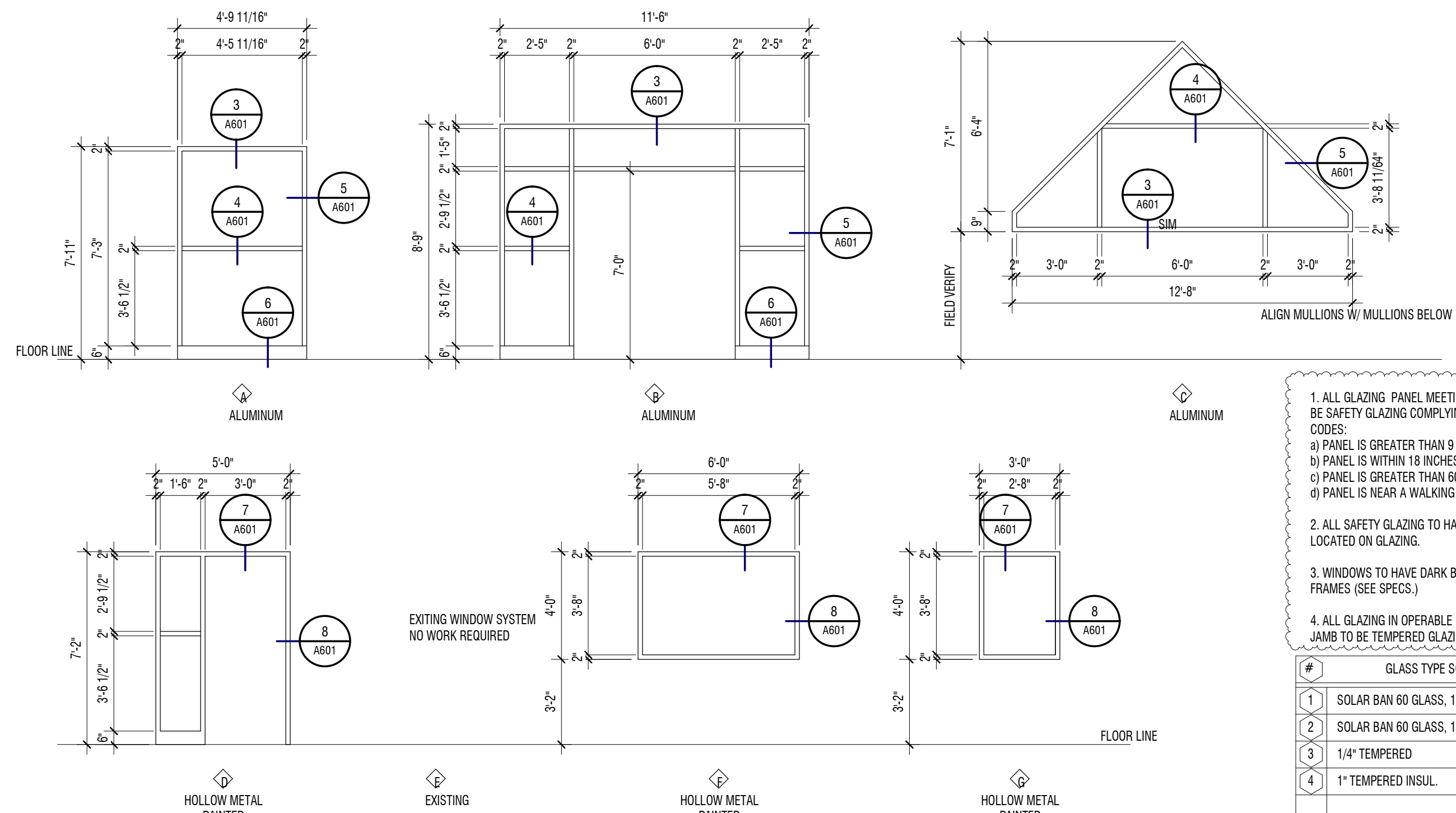
3" = 1'-0"



8 HM Jamb Detail

3" = 1'-0"

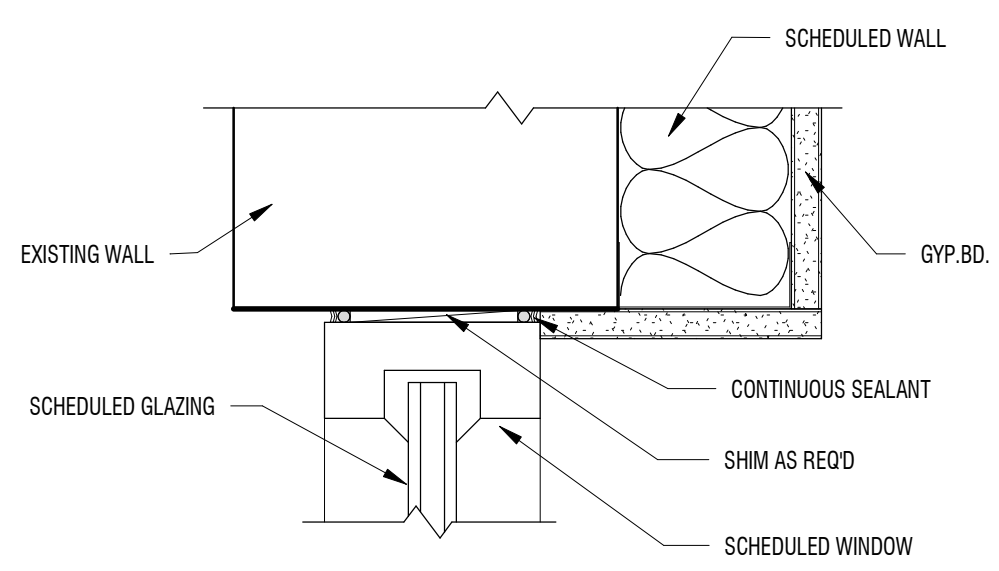
WINDOW TYPES



1. ALL GLAZING PANEL MEETING ALL OF THE FOLLOWING CRITERIA TO BE SAFETY GLAZING COMPLYING WITH ALL APPLICABLE BUILDING CODES:
 - a) PANEL IS GREATER THAN 9 S.F.
 - b) PANEL IS WITHIN 18 INCHES OF FINISH FLOOR
 - c) PANEL IS GREATER THAN 60 INCHES ABOVE FINISH FLOOR
 - d) PANEL IS NEAR A WALKING PATH OR AREA
2. ALL SAFETY GLAZING TO HAVE PERMANENT LABELS/IDENTIFICATION LOCATED ON GLAZING.
3. WINDOWS TO HAVE DARK BRONZE ANODIZED ALUM. STOREFRONT FRAMES (SEE SPECS.)
4. ALL GLAZING IN OPERABLE PANELS OR WITHIN 24 INCHES OF DOOR JAMB TO BE TEMPERED GLAZING.

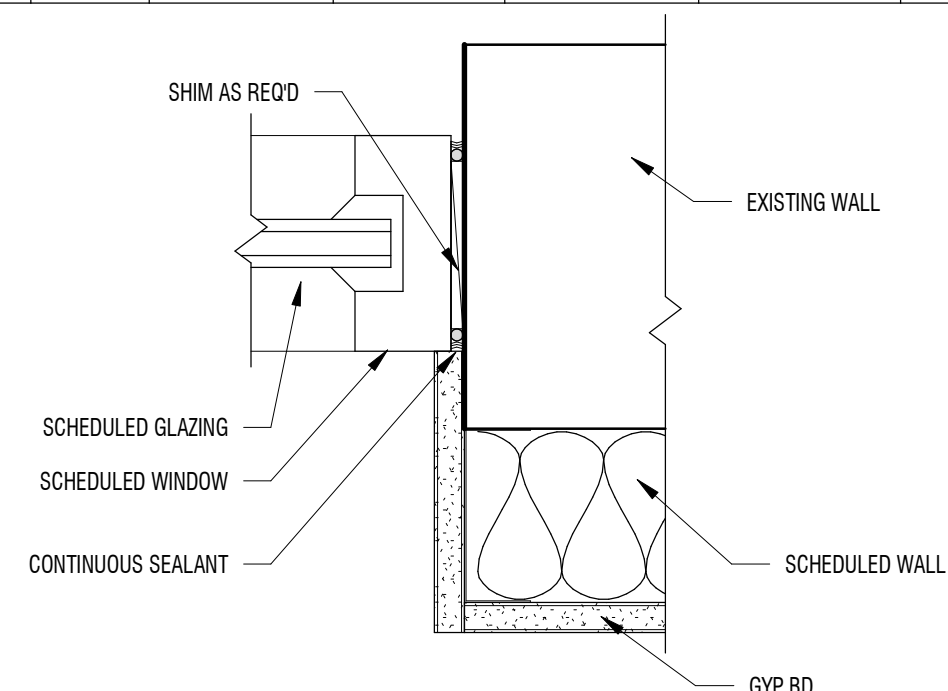
#	GLASS TYPE SCHEDULE
1	SOLAR BAN 60 GLASS, 1" INSUL.
2	SOLAR BAN 60 GLASS, 1" TEMPERED INSUL.
3	1/4" TEMPERED
4	1" TEMPERED INSUL.

FOR BIDDING



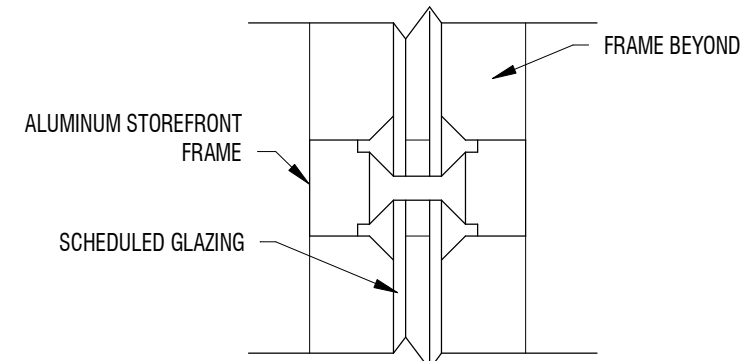
3 Storefront Head Detail

3" = 1'-0"



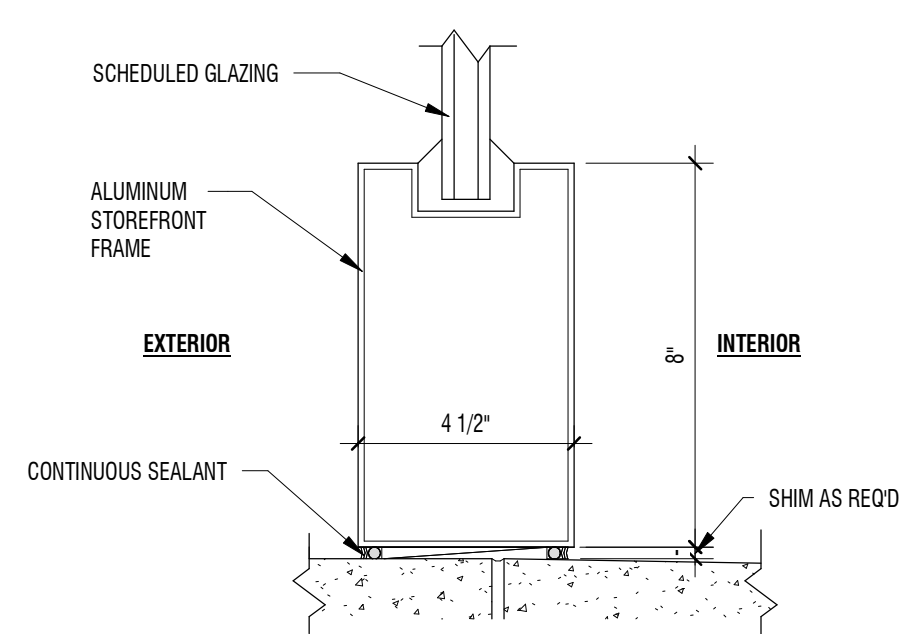
5 Storefront Jamb Detail

3" = 1'-0"



4 Storefront Mullion Detail

3" = 1'-0"



6 Storefront Sill Detail

3" = 1'-0"

SCALE: As indicated

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

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DRAWN BY: [blank]
CHECKED BY: [blank]
ISSUED: 4/4/2019
PROJECT #: 18-029

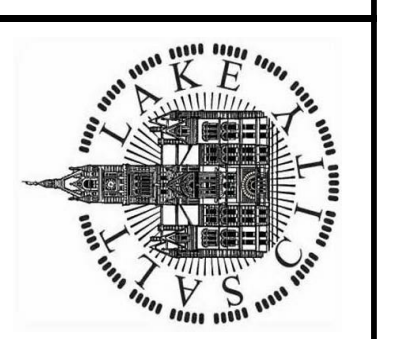
UTAH STATE ARCHITECT
WEST JORDAN, UTAH
84088

architect
ait

MARK	DATE	REVISIONS:	MADE BY:	AUTH BY:
1	3/6/2019	CITY REVIEW		

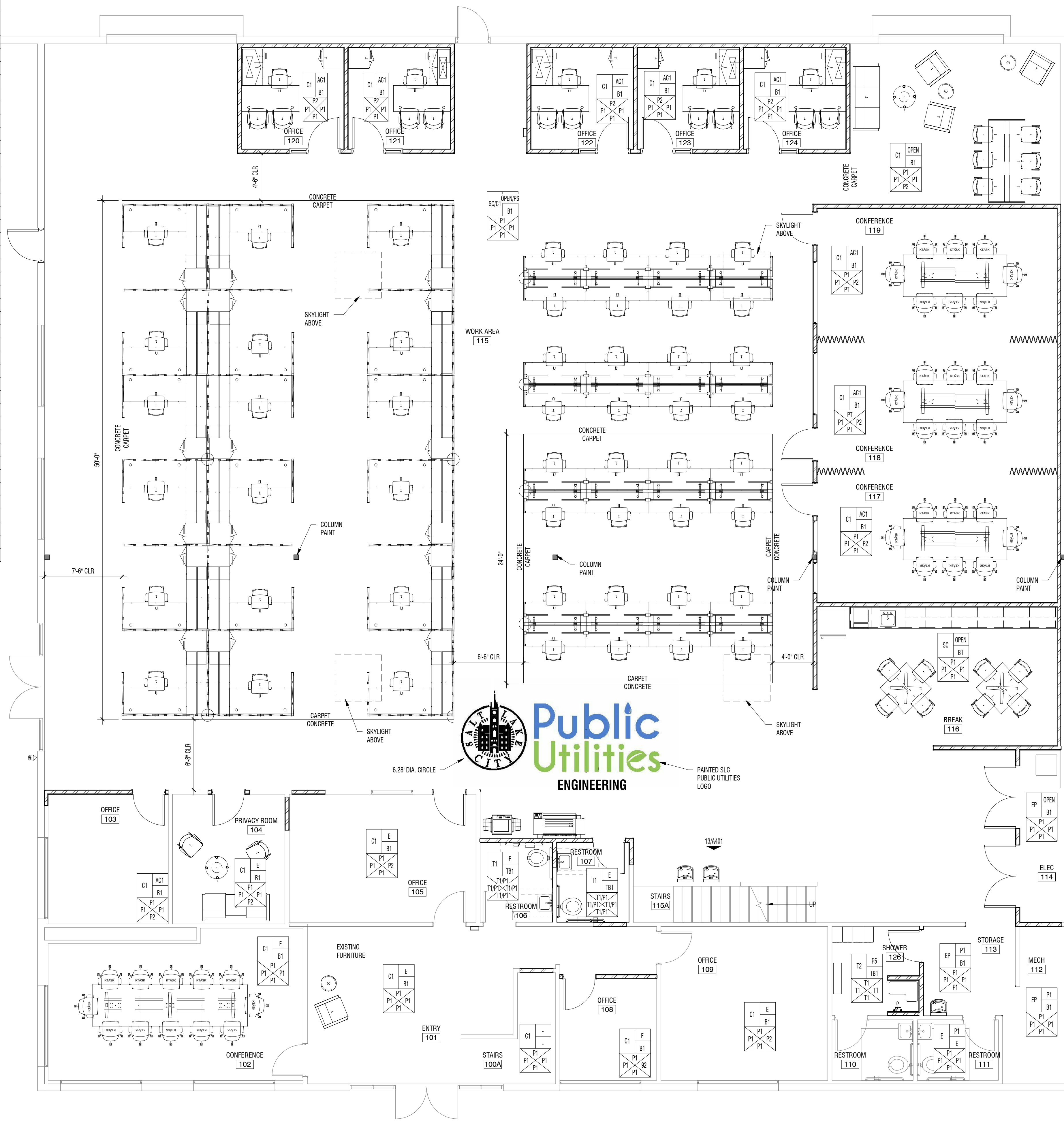
SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS

DOOR SCHEDULE



STATE OF UTAH
ANDREW C. TONGISH
LICENSED PROFESSIONAL ENGINEER
No. 135322-0301

FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	CEILING FINISH	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	MISC
100A	STAIRS	C1	-	-	P1	P1	P1	P1	
100A	STAIRS								
101	ENTRY	C1	B1	E	P1	P1	P1	P1	
102	CONFERENCE	C1	B1	E	P1	P1	P1	P1	
103	OFFICE	C1	B1	AC1	P1	P2	P1	P1	
104	PRIVACY ROOM	C1	B1	E	P1	P2	P1	P1	
105	OFFICE	C1	B1	E	P1	P1	P2	P1	
106	RESTROOM	T1	TB1	E	T1/P1	T1/P1	T1/P1	T1/P1	
107	RESTROOM	T1	TB1	E	T1/P1	T1/P1	T1/P1	T1/P1	
108	OFFICE	C1	B1	E	P1	92			
109	OFFICE	C1	B1	E	P1	P1	P2	P1	
110	RESTROOM	E	E	P1	P1	P1	P1	P1	
111	RESTROOM	E	E	P1	P1	P1	P1	P1	
112	MECH	EP	B1	P1	P1	P1	P1	P1	
113	STORAGE	EP	B1	P1	P1	P1	P1	P1	
114	ELEC	EP	B1	OPEN	P1	P1	P1	P1	
115	WORK AREA	SC/C1	B1	OPEN/P6	P1	P1	P1	P1	
115A	STAIRS	P7	-	-	P1	P1	P1	P1	
115A	STAIRS								
116	BREAK	SC	B1	OPEN	P1	P1	P1	P1	
117	CONFERENCE	C1	B1	AC1	PT	P1	P2	P1	
118	CONFERENCE	C1	B1	AC1	PT	PT	P2	P1	
119	CONFERENCE	C1	B1	AC1	P1	PT	P2	P1	
120	OFFICE	C1	B1	AC1	P2	P1	P1	P1	
121	OFFICE	C1	B1	AC1	P2	P1	P1	P1	
122	OFFICE	C1	B1	AC1	P2	P1	P1	P1	
123	OFFICE	C1	B1	AC1	P2	P1	P1	P1	
124	OFFICE	C1	B1	AC1	P2	P1	P1	P1	
125	OPEN AREA	C1	B1	OPEN	P1	P2	P1	P1	
126	SHOWER	T2	TB1	P5	T1	T1	T1	T1	
127	HALL	C1	B1	E	P1	P1	P1	P1	
128	WAREHOUSE	-	-	-	-	-	-	-	
129	RESTROOM	E	E	P1	FRP	FRP	FRP	FRP	
130	RESTROOM	E	E	P1	FRP	FRP	FRP	FRP	
200	WALKWAY	C1	B1	AC1	-	P1	P1	P1	
201	CONFERENCE	C1	B1	AC1	P1	P1	P2	P1	
202	STORAGE	-	-	AC1	P1	P1	P1	P1	
203	RESTROOM	E	E	P1	P1	P1	P1	P1	
204	TRAINING	C1	B1	AC1	P1	P1	P2	P1	
205	STORAGE	-	-	AC1	P1	P1	P1	P1	



FINISH LEGEND		
FLOOR FINISHES SC1 - SEALED CONCRETE NOTES: LIGHT AGGREGATE SANDING C1 - CARPET MANUFACTURER: TARKETT SERIES: GEOKMIT 1087 COLOR: SATURATED GREY 42703 SIZE: 24" x 24" NOTES: 1/4 TURN C2 - CARPET MANUFACTURER: TARKETT SERIES: CACHE TWEED A0002 COLOR: SATURATED GREY 42703 SIZE: 24" x 24" NOTES: 1/4 TURN EP - EPOXY PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: GREY T2 - FLOOR TILE MANUFACTURER: DAL-TILE COLOR: WHITE P7 - STAIR PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: GREY NUMBER: SW XXXX CEILING FINISHES AC1 - ACOUSTIC CEILING TILE MANUFACTURER: ARMSTRONG SERIES: OPTIMA_3251 SIZE: 24" x 24" x 1"; SQUARE EDGE P6 - EXPOSED PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: DARK GREY NOTES: DRYFALL PAINT	WALL FINISHES P1 - WALL PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: NEBULOUS WHITE NUMBER: SW 7063 P2 - ACCENT WALL PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: ADRIATIC SEA NUMBER: SW 6790 P3 - ACCENT WALL PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: PICKLE NUMBER: SW 6725 P4 - ACCENT WALL PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: CITYSCAPE NUMBER: SW 7067 P5 - EPOXY PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: NEBULOUS WHITE NUMBER: SW 7063 NOTES: SHOWER AREA & CEILING PT - FOLDING PARTITION SEE SPECIFICATIONS T1 - CERAMIC WALL TILE MANUFACTURER: DAL-TILE STYLE: 4" x 6" COLOR: WHITE	BASE FINISH B1 - RUBBER BASE MANUFACTURER: ROPPE COLOR: BLACK STYLE: 4" COVED TB1 - TILE BASE MANUFACTURER: DAL-TILE COLOR: WHITE NUMBER: XXXXXX STYLE: 4" COVED MILLWORK FINISHES PL1 - PLASTIC LAMINATE MANUFACTURER: WILSONART COLOR: PEWTER NUMBER: D73K-21 SS1 - SOLID SURFACE MANUFACTURER: WILSONART COLOR: STREET GREY TEMPEST NUMBER: 91941M MISCELLANEOUS FINISHES CG - CORNER GUARD COLOR: WHITE NOTES: LOCATION @ ALL EXTERIOR CORNERS THROUGHOUT BLDG. BL1 - 2" HORIZONTAL BLINDS COLOR: WHITE NOTES: WORK AREA BL2 - 1" HORIZONTAL BLINDS COLOR: WHITE NOTES: OFFICES, CONFERENCES, PRIVACY
ROOM FINISHES FF - FLOOR BF - BASE CF - CEILING N, W, E, S - WALLS TR - TRANSITION STRIPS. SF - STOREFRONT.		

1 1ST FLOOR FINISH PLAN

3/16" = 1'-0"

SCALE: As indicated

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGNED BY: []
 CHECKED BY: []
 APPROVED BY: []
 PROJECT #: 4/4/2019 18-029

DATE: []

REVISIONS: []

MADE BY: []

AUTH BY: []

MARK: []

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS

1ST FLOOR FINISH PLAN

FOR BIDDING

DRAWING NO. **A701**

SHEET 14 of 27

STATE OF UTAH
 ANDREW G. TONGISH
 No. 15332-0301

SEE A701 1ST FLOOR FINISH PLAN FOR FINISH SCHEDULE

SKYLIGHT ABOVE

SKYLIGHT ABOVE

SKYLIGHT ABOVE

SKYLIGHT ABOVE

13/A401

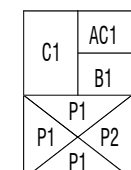
STORAGE [202]

RESTROOM [203]

STORAGE [205]

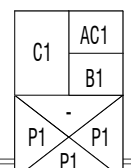
WALKWAY [200]

TRAINING [204]

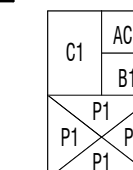


CONFERENCE [201]

EXISTING FURNITURE

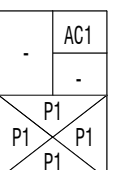


WALKWAY [200]



TRAINING [204]

EXISTING FURNITURE

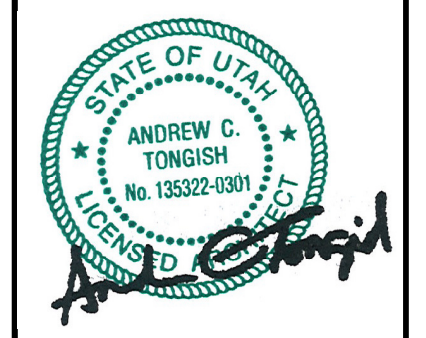
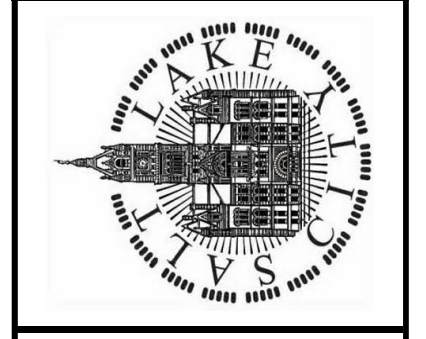


STORAGE [205]

1 2ND FLOOR FINISH PLAN

3/16" = 1'-0"

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS
2ND FLOOR FINISH PLAN



DRAWING NO. A702
SHEET 15 of 27

SCALE: 3/16" = 1'-0"
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGNED BY: oct
DRAWN BY: oct
CHECKED BY: 4/4/2019
APPROVED BY: 18-029
ISSUED: PROJECT #:
architect
oct architecture
8668
WEST JORDAN, UTAH

MARK	DATE	REVISIONS	MADE BY	AUTH BY

FOR BIDDING

GENERAL MECHANICAL NOTES

- Contractor is responsible for all permits, licenses, fees, and charges as required by authority having jurisdiction for the performance of the work as outlined in these contract documents.
- The contractor shall be responsible for installing a complete and functional system in accordance to the intent of the plans and written specifications.
- All plumbing shall be in accordance with the local regulations and the International Plumbing Code of 2015.
- Contractor to coordinate work with other disciplines.
- Drawing is diagrammatic and is not to be scaled. Refer to architectural plans or field measurements for dimensions.
- Contractor shall verify all existing construction prior to submitting his bid. No extras will be paid due to unanticipated existing conditions.
- Coordinate all roof and wall penetrations required with the general contractor. Provide all flashings, sleeves, curbs, reinforcing angles, supporting frames, etc. which is required unless called out to be furnished by others.
- Contractor to provide submittal to Engineer for review prior to acquiring equipment as soon as possible after contract award. Equals will require review from engineer and owner for quality and performance against items specified. All control devices shall be included with submittals. Equipment and fixture substitutions that are not listed on these contract documents shall not be allowed without the prior written approval of the owner.
- Extra charges - any discrepancies and omissions discovered shall be reported to the engineer immediately and prior to tender closing for rectification by addendum.
- The proper performance of the control system is the responsibility of the contractor.
- Shop drawings - submit 1 copy in pdf format to the engineer for approval. Provide 2 printed copies of reviewed shop drawings to owner in 2 O&M manuals within 90 days of acceptance. The contractor shall ensure that equals for the major equipment fit in the allocated space and meet codes and specifications.
- Upon completion contractor shall prepare a set of as-built drawings in AutoCAD/Revit format and provide pdf printouts for review by engineer.
- Maintenance manuals - contractor shall provide 2 copies complete with shop drawings. Three ringer binder style is acceptable. Provide on-site operating seminar to familiarize owner with all functions of new equipment. Submit maintenance manuals within 90 days of project acceptance.
- As-built drawings - mechanical contractor shall keep on site an extra set of drawings and specifications on which changes shall be noted daily. As-built drawings shall also be provided showing location of access doors, clean-outs, and any deviation from design drawings. Submit as-built drawings within 90 days of project acceptance.
- Warranty - mechanical contractor shall provide written warranty on his system for one full year from time of acceptance by the owner.
- Structural - misc. Steel support hangers for unit heaters, fans, heat pumps, etc. Shall be by the mechanical with clamps to structure, not welded. Structural reinforcing for equipment is by general contractor.
- Electrical coordination - motor disconnect switches and starters (including magnetic starters for interlocking) shall be by electrical contractor unless otherwise specified. Disconnects for packaged makeup air units shall be by electrical contractor. Electrical contractor shall wire in low voltage and line voltage thermostats, electric heaters and control transformers provided by mechanical contractor. Mechanical contractor shall complete low voltage controls wiring. Confirm voltages on site before ordering equipment.
- Duct dimensions on plans are finished inside dimensions.
- Sleeving - mechanical contractor shall be on site to sleeve mechanical openings through concrete, to flash and counter flash and to coordinate joist locations away from mechanical shafts.
- Design documents - these design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

DUCT INSULATION NOTE

- Insulate all supply and return duct with R-6 duct insulation. Insulation must have metal jacket. All components used (insulation, jackets, mastics, adhesives, and tapes) must have flame-spread index of 25 or less, and smoke-developed index of 50 or less when tested in accordance with ASTM E 84 or 723 (be plenum rated).

LOW PRESSURE DUCT NOTE

- Provide all duct with SMACNA standards for 2" WC pressure class. Seal all transverse and longitudinal seams except for welded or locking type longitudinal joints.

HEATING AND VENTILATION NOTES

- Duct material shall be as follows unless otherwise indicated:
 - Round supply/return air: ASTM A653 Z90 Zinc coating.
 - Rectangular supply/return air: ASTM A653 Z90 Zinc coating.
 - Runouts to diffusers: spiral wound flexible galvanized spiral to SMACNA standards.
 - Exhaust duct: ASTM A653 Z90 Zinc coating.
 - Transitions shall conform to SMACNA.
 - Thickness, fabrication, reinforcement and joints to SMACNA.
 - Flex connections - provide flex connections 1/4" Duro Dyne Excelon PVC coated polyester at inlet and outlets of all forced air units.
 - Flexible duct - Thermaflex S-LP-10 insulated. M-KE insulated, maximum 10 ft connector length per air outlet.
- Duct sealer - MP water-based paste sealer must be applied to seal leaking duct connections, joints and elbows.
- Flues & Breeching
 - Combustion air - shall terminate with spill box and baffle to diffuse cold air and protect water lines.
 - Provide minimum 1" clearance from combustibles for "B" vent and 6" for single wall vent connections.
- Balancing
 - Upon completion balance air flows to values indicated. Contractor is responsible for the provision of balancing dampers, even if not indicated on the drawings. Provide an air balance report to the engineer for review. Report balancing measurements on the as-built drawings. Air and water balancing shall be at +/- 10% of specified complete with design versus actual readings.
 - Fans - supply and exhaust fans, air systems amps, rpm, cfm, suction and discharge static pressure. Grilles - supply, return and exhaust air volumes.
 - Sketch layout of duct systems showing details of balance.
- Control wiring by HVAC contractor. Final connections by HVAC contractor.
- All caulking on building penetrations shall be a 1-component non-sag urethane sealant.
- The HVAC systems shall be constructed in accordance with NFPA 101:7-2 and NFPA 90A "standard for the installation of air conditioning and ventilation systems.
- All HVAC flues and vents shall be constructed in accordance with the International Fuel Gas code of 2015.
- Fire dampers - shall be type "B", UL labeled, with damper blades fully clear of the air stream, seal with Dow Corning RTV silicone foam. Provide access door at all fire dampers.
- Provide sheet metal fire stops tight around ducts passing through fire separations and ceilings. Run to kitchen WC or dryer exhaust ducts inside party or corridor rated walls.
- Mount condensate and refrigerant lines as high as possible.

IECC CLOSE OUT REQUIREMENTS

- Contractor to provide to the owner and design engineer a preliminary equipment testing report prior to final mechanical inspection.
- Contractor to provide to the owner the following items within 90 days of receiving certificate of occupancy.
 - As-Built drawings showing installed equipment.
 - Operating and maintenance manuals including routine maintenance requirements, name and address of servicing agency, narrative of controls, and recommended operating setpoints.
 - System balancing report.
 - Equipment testing report.

GENERAL NOTES

All controls supplied by mechanical. All line voltage by electrical. DC and low voltage by mechanical.

THERMOSTAT NOTES:

Provide 24/7 Programmable thermostat with minimum 4 daily setpoints and auto switchover between heating and cooling, minimum 2-stage heating and cooling capability and night setback mode. Install in thermostat in lockbox. Setback to 55 F heat and 85 F cool. Provide c/w 2 hour occupant override, 10 hour backup and 5 F deadband and setpoint overlap restriction.

SEISMIC CONTROL NOTES

- Install tight to structure.
- Seismic control measures not to jeopardize noise and vibration isolation systems. Provide 1/4" to 3/8" clearance during normal operation of equipment and systems between seismic restraint and equipment.
- Incorporate seismic restraints into vibration isolation system to resist complete isolator unloading.

PLUMBING IN RETURN AIR PLENUMS

- Treat all ceiling spaces as return air plenums.
- All materials used in return air plenums must have flame-spread index of 25 or less, and smoke-developed index of 50 or less when tested in accordance with ASTM E84 or UL 723 (be plenum rated).

MECHANICAL ALTERNATE NOTE

- Alternate mechanical equipment is acceptable. Alternates must be equal or better in performance, durability, and warranty.

MECHANICAL SMACNA SEISMIC HAZARD LEVEL

COMPONENT	SHL VALUE
Plumbing	C
Air Side HVAC	B
Wet Side HVAC	C
Ducts	A

- RA = RETURN AIR DUCT
- SA = SUPPLY AIR DUCT
- REA = RELIEF AIR DUCT
- OA = OUTSIDE AIR DUCT
- FLUE = MECHANICAL FLUE
- CA = COMBUSTION AIR
- (T) = THERMOSTAT
- (S) = REMOTE TEMPERATURE SENSOR

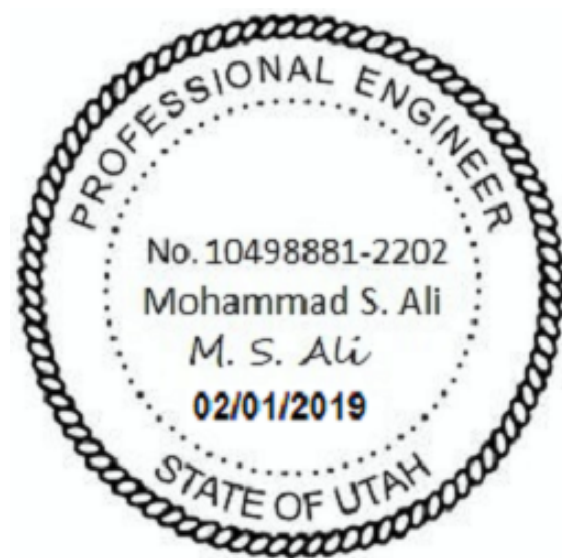
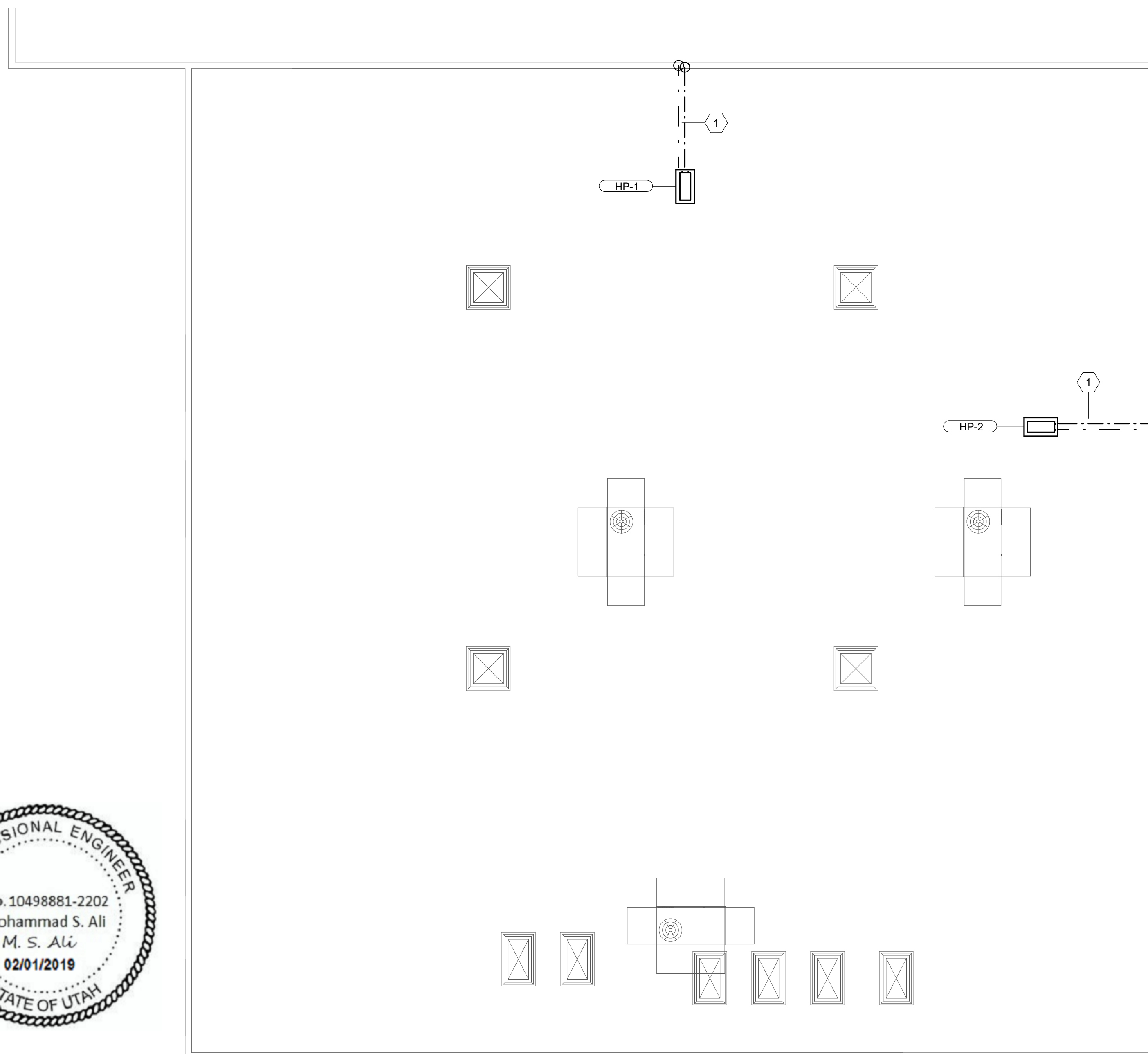
MECHANICAL LEGEND

SHEET LIST - MECHANICAL

Sheet Number	Sheet Name	Current Issue	Current Revision Description
M100	MECHANICAL OVERVIEW		
M101	MECHANICAL DEMOLITION		
M102	MECHANICAL CONSTRUCTION		

KEYNOTES

- 1 REFRIGERANT LIQUID/SUCTION LINES. RUN SEPARATE LINES FROM EACH HEATPUMP AND CONNECT TO CORRESPONDING MINISPLITS. SEE SCHEDULES FOR LINE SIZING.



3 - ROOF MECHANICAL
1/8" = 1'-0"

SCALE: As indicated

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGNED BY: ZR
DRAWN BY: CHEMBETBY: 16 of 27
APPROVED BY: HB
ISSUED: 11/12/2018
PROJECT #: 02273

WEST JORDAN, UTAH
64000

MARK: DATE: REVISIONS: AUTH BY: MADE BY:

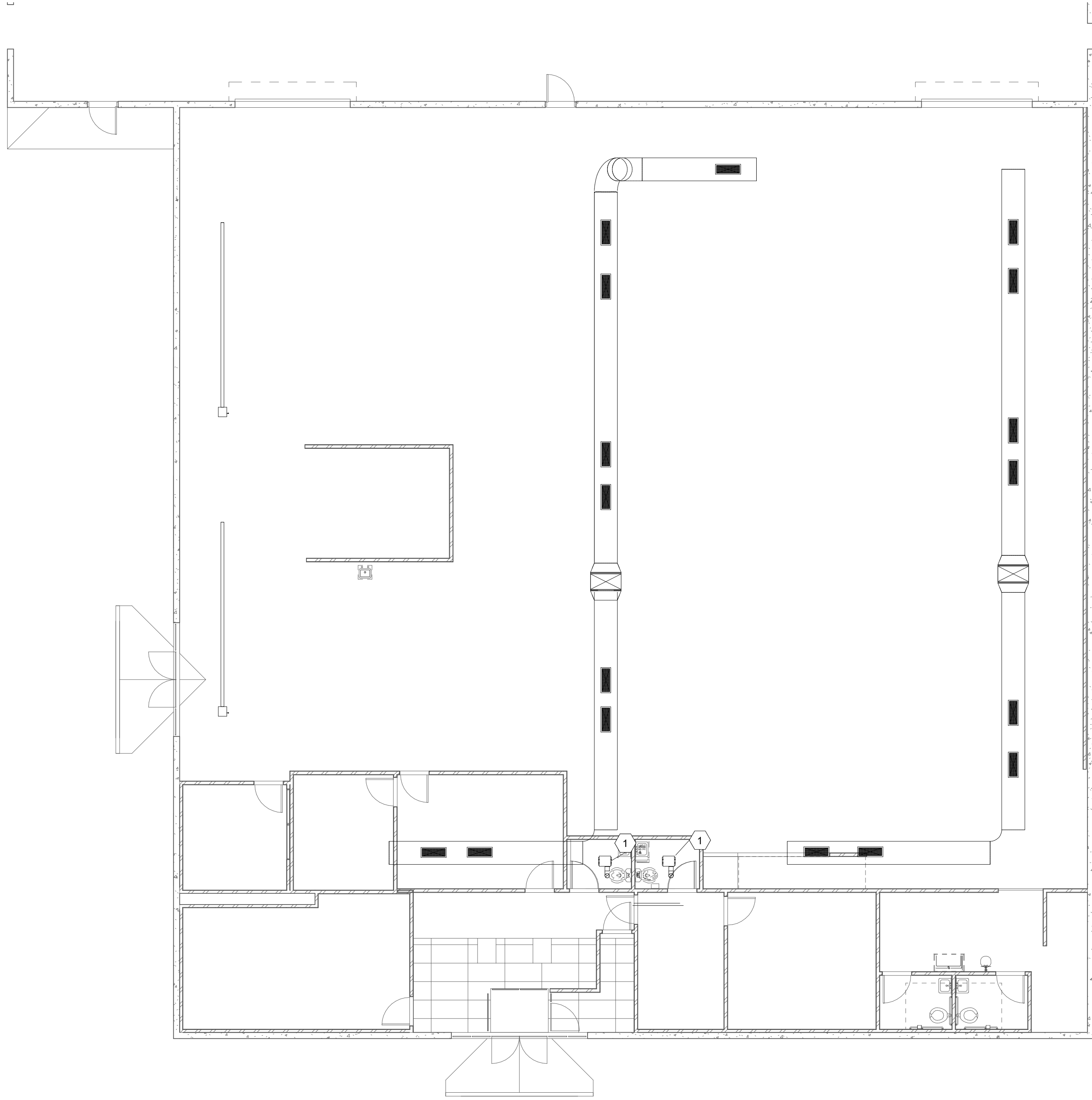
SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS

MECHANICAL OVERVIEW

FOR CONSTRUCTION

DRAWING NO. M100

SHEET 16 of 27



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

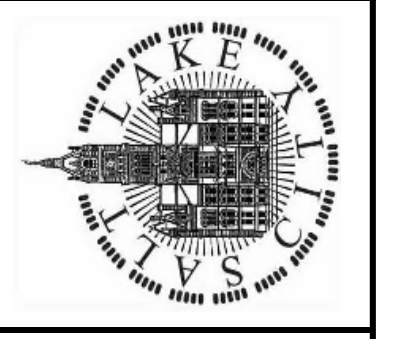
KEYNOTES

ID	DESCRIPTION
1	EXISTING EXHAUST FAN TO REMAIN.

DESIGNED BY: ZR
 DRAWN BY: ZR
 CHECKED BY: HB
 APPROVED BY: HB
 ISSUED: 11/12/2018
 PROJECT #: 0273

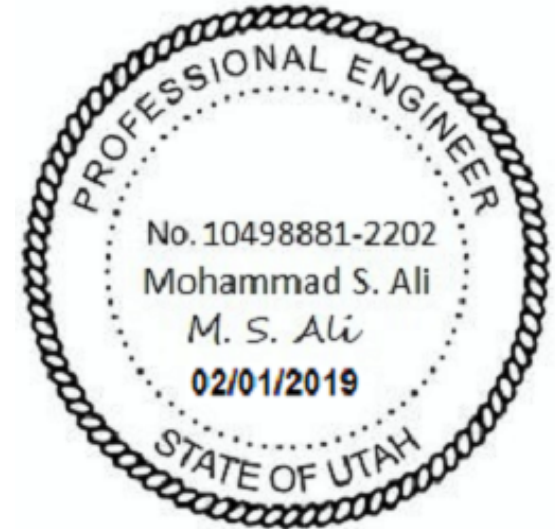
MARK	DATE	REVISIONS	MADE BY	AUTH BY

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
 WEST CAMPUS



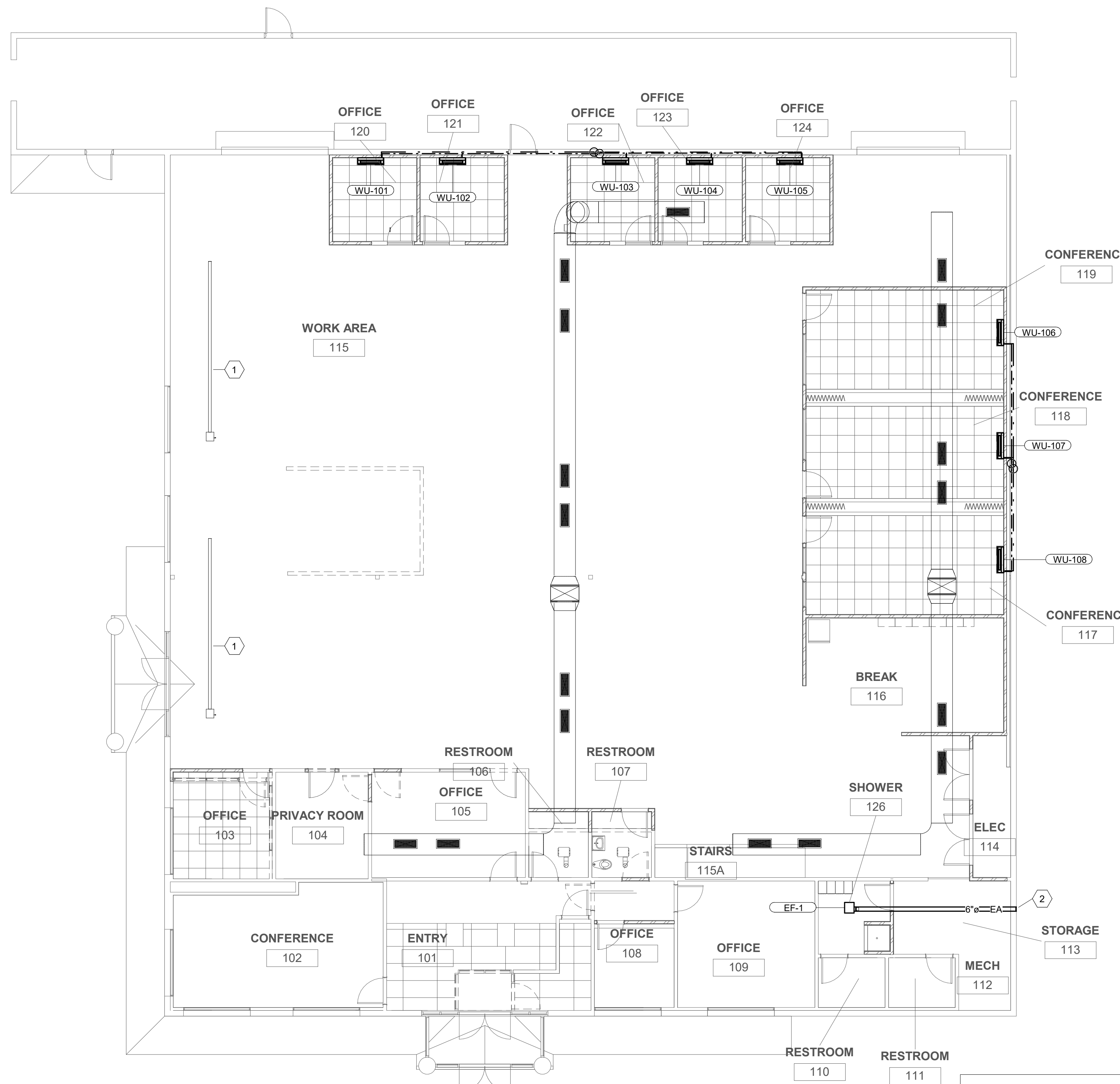
FOR CONSTRUCTION

DRAWING NO.
M101
 SHEET 17 of 27



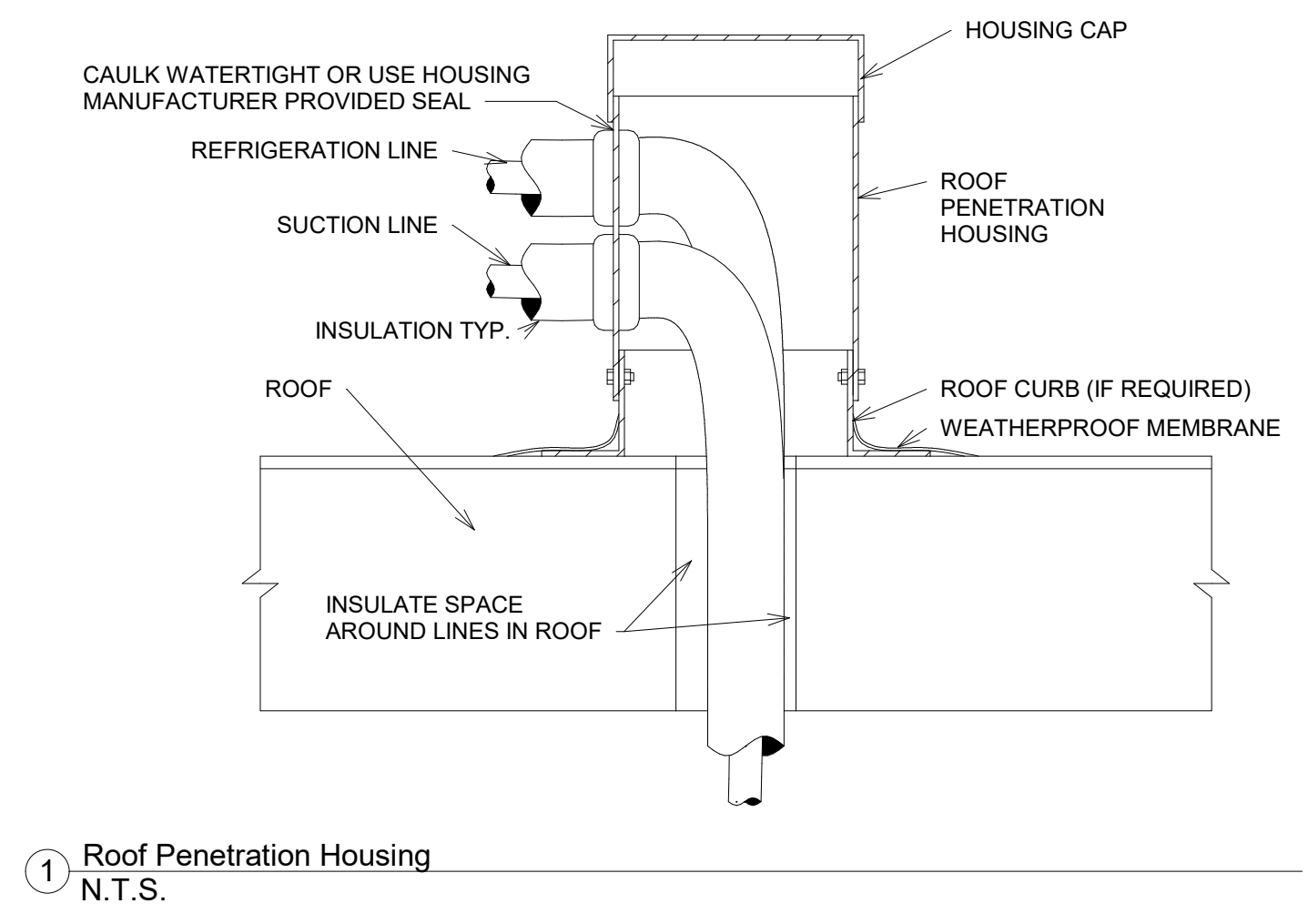
SCALE: 1/8" = 1'-0"
VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING

27 of 27
 HB
 11/12/2018
 0273
 alit
 ARCHITECTURE
 144 W. 300 S.
 WEST JORDAN, UTAH 84088



KEYNOTES

ID	DESCRIPTION
1	EXISTING RADIANT TUBE HEATER TO REMAIN.
2	DUCT EXHAUST THROUGH WALL. TERMINATE C/W RAINCAP, INSECT SCREEN, AND BACKDRAFT DAMPER.



EXHAUST FAN SCHEDULE

Mark	IDENTITY		MECHANICAL		ELECTRICAL			Comments
	Manufacturer	Model	External Static Pressure	Air Flow	Voltage	Phase	Motor Operating HP	
EF-1	Greenheck	SP-80-VG	0.25 in-wg	70 CFM	115 V	1	6 W	Interlock with light switch.

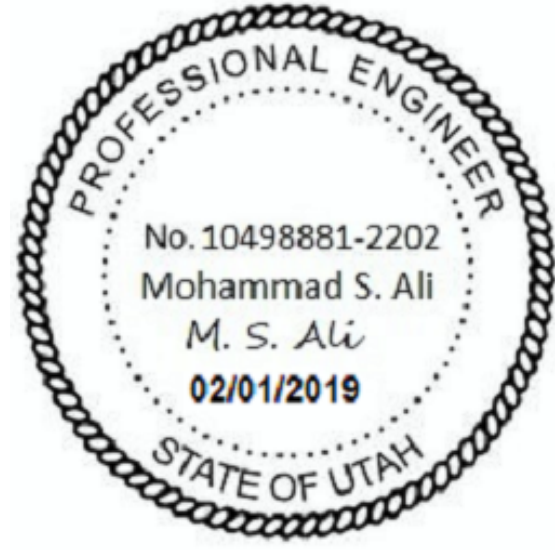
HEATPUMP SCHEDULE

Mark	IDENTITY		Cooling Capacity	Heat Capacity	HSPF	Suction Line	Liquid Connection	ELECTRICAL					Weight
	Manufacturer	Model						Voltage	Phase	Frequency	MCA	MOP	
HP-1	Mitsubishi	MXC5C42NA2	40,500 Btu/h	45,000 Btu/h	10.3	1/2"	1/4"	208 V	1	60 Hz	33 A	40 A	83 lb
HP-2	Mitsubishi	MXZ-3C24NA2	22,000 Btu/h	25,000 Btu/h	9.8	1/2"	1/4"	208 V	1	60 Hz	22 A	25 A	83 lb

CASSETTE/FAN COIL SCHEDULE

Mark	Manufacturer	Model	MECHANICAL				ELECTRICAL							
			Cooling Capacity	Heat Capacity	CFM	SEER	Suction Line	Liquid Connection - Ref.	Voltage	Phase	Frequency	MCA	Power	Weight
WU-101	Mitsubishi	MSZ-GL06NA	6,000 Btu/h	7,200 Btu/h	145 CFM	19.7	3/8"	1/4"	208 V	1	60 Hz	1 A	30 W	27.00 lb
WU-102	Mitsubishi	MSZ-GL06NA	6,000 Btu/h	7,200 Btu/h	145 CFM	19.7	3/8"	1/4"	208 V	1	60 Hz	1 A	30 W	27.00 lb
WU-103	Mitsubishi	MSZ-GL06NA	6,000 Btu/h	7,200 Btu/h	145 CFM	19.7	3/8"	1/4"	208 V	1	60 Hz	1 A	30 W	27.00 lb
WU-104	Mitsubishi	MSZ-GL06NA	6,000 Btu/h	7,200 Btu/h	145 CFM	19.7	3/8"	1/4"	208 V	1	60 Hz	1 A	30 W	27.00 lb
WU-105	Mitsubishi	MSZ-GL06NA	6,000 Btu/h	7,200 Btu/h	145 CFM	19.7	3/8"	1/4"	208 V	1	60 Hz	1 A	30 W	27.00 lb
WU-106	Mitsubishi	MSZ-GL09NA	9,000 Btu/h	10,900 Btu/h	237 CFM	20	3/8"	1/4"	208 V	1	60 Hz	1 A	30 W	27.00 lb
WU-107	Mitsubishi	MSZ-GL09NA	9,000 Btu/h	10,900 Btu/h	237 CFM	20	3/8"	1/4"	208 V	1	60 Hz	1 A	30 W	27.00 lb
WU-108	Mitsubishi	MSZ-GL09NA	9,000 Btu/h	10,900 Btu/h	237 CFM	20	3/8"	1/4"	208 V	1	60 Hz	10 A	30 W	27.00 lb

2 - MAIN FLOOR MECHANICAL - CONSTRUCTION
1/8" = 1'-0"



SCALE: As indicated
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGNED BY: ZF
DRAWN BY: CHESTERBY, 18 of 27
APPROVED BY: 11/12/2018
ISSUED: PROJECT #: 0273

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS

MECHANICAL CONSTRUCTION

FOR CONSTRUCTION

DRAWING NO. M102
SHEET 18 of 27

GENERAL PLUMBING NOTES

1. GENERAL
 - a. Contractor is responsible for all permits, licenses, fees and charges as required by authority having jurisdiction for the performance of the work as outlined in these contract documents.
 - b. The contractor shall be responsible for installing a complete and functional system in accordance to the intent of the plans.
 - c. All plumbing shall be in accordance with local regulations and the International Plumbing Code of 2015.
 - d. Contractor to coordinate work with other disciplines.
 - e. Drawing is diagrammatic and is not to be scaled. Refer to architectural plans or field measurements for dimensions.
 - f. Contractor shall verify all existing construction prior to submitting his bid. No extras will be paid due to unanticipated existing conditions.
 - g. Extra charges - any discrepancies and omissions discovered shall be reported to the engineer immediately and prior to tender closing for rectification by addendum.
 - h. Shop drawings - submit 1 copy in pdf format to the engineer for approval. Provide 2 printed copies of reviewed shop drawings to owner in 2 O&M manuals. The contractor shall ensure that equals for the major equipment fit in the allocated space and meet codes and specifications.
 - i. Maintenance manuals - contractor shall provide 2 copies complete with shop drawings. Three ringer binder style is acceptable. Provide on-site operating seminar to familiarize owner with all functions of new equipment
 - j. Warranty - mechanical contractor shall provide written warranty on his system for one full year from time of acceptance by the owner.
 - k. Excavation - plumbing contractor shall excavate for his work and back fill to i2" above pipes with sand.
 - l. Structural - Misc. Steel support hangers for unit heaters, fans, heat pumps, etc. Shall be by the mechanical with clamps to structure, not welded. Structural reinforcing for equipment is by general contractor.
 - m. As-built drawings - mechanical contractor shall keep on site an extra set of drawings and specifications on which changes shall be noted daily. As-built drawings shall also be provided showing location of access doors, clean-outs, and any deviation from design drawings.
 - n. Potable water copper piping shall use lead-free solder. testing inside water lines shall hold 100 psi air for 1 hour.
 - o. Natural gas - plumber shall provide low pressure gas lines to appliances complete with yellow paint coating on pipe where exposed to outdoors. Confirm meter size with local gas utility company. Utility upgrade costs to be borne by owner.
 - p. Plumbing contractor shall be on site to sleeve Plumbing openings through concrete, to flash and counter flash and to coordinate joist locations away from mechanical shafts.
 - q. Design documents - these design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.
 - r. The written book specification takes precedence over these notes.

GENERAL PLUMBING FIXTURE NOTES

1. All plumbing fixtures shall be furnished c/w necessary traps, stops, tailpieces, trim, etc.
2. Plumbing contractor to supply and coordinate all plumbing fixture voltage and power requirements with electrical contractor.
3. All water heaters and hot water storage tanks shall have a drain valve installed at the bottom of the tank as required by code. All water heaters shall be seismically anchored as per code.
4. Provide sanitary venting piping for all fixtures.

IECC CLOSE OUT REQUIREMENTS

1. Contractor to provide to the owner and design engineer a preliminary equipment testing report prior to final mechanical inspection.
2. Contractor to provide to the owner the following items within 90 days of receiving certificate of occupancy.
 - A. As-Build drawings showing installed equipment.
 - B. Operating and maintenance manuals including routine maintenance requirements, name and address of servicing agency, narrative of controls, and recommended operating setpoints.
 - C. System balancing report.
 - D. Equipment testing report.

GENERAL PLUMBING PROTECTION NOTES

1. Install backflow preventers in each water supply to mechanical equipment and systems and to other equipment and systems and to other equipment and water systems that may be sources of contamination. Comply with authorities having jurisdiction.
2. Locate backflow preventers in same room as connected equipment or system.
3. Install drain for backflow preventers with atmospheric-vent drain connection with air-gap fitting, fixed air-gap fitting, or equivalent positive pipe separation of at least two pipe diameters in drain piping and pipe-to-floor drain. Locate air-gap device attached to or under backflow preventer. Simple air breaks are unacceptable for this application.
4. Do not install bypass piping around backflow preventers.
5. Provide water pressure regulator when required by authority having jurisdiction and in compliance with the International Plumbing Code of 2015.

GENERAL PIPING NOTES

1. Piping material shall be as follows (Unless otherwise indicated in specification):
 - a. Underground water service: PEX-AL-HDPE with oxygen barrier.
 - b. Above ground hot and cold water piping: Copper type L in exposed areas or Standard PEX in concealed areas.
 - c. Drain waste and vent piping: ABS DR22.
 - d. Gas piping: to ASTM A106 schedule 40.
2. Domestic hot, cold water lines and hydronic heating lines shall have 1" thermal insulation complete with vapor barrier, joints to be taped throughout facility. Hangers to have guides to allow for complete pipe insulation.
3. Contractor is responsible for routing water piping around zones that would be prone to freezing. The contractor will be responsible for any repairs and corrections to water lines not appropriately routed around freeze prone zones.
4. Valves on water lines shall be bronze ball valves. Do not use gate or globe valves. Valve size shall be the same than the inlet pipe size.
5. Install water hammer arrestors as indicated by code and where shown on plans. Concealed location arrestors are to be rated.
6. All hot and cold domestic water lines to fixtures shall be minimum 1/2".
7. Unless a hot water reticulation system has been called for in the contract documents, domestic hot water lines shall be equipped with a heat-trace heating system in compliance with Table C404.5.1 of the current state approved International Energy Conservation Code.
8. Plumbing piping shall not be installed above electrical panels. Provide required clearances per "N.E.C." coordinate work with electrical contractor.
9. Insulate all above grade domestic hot water lines minimum 1/2" mineral wool and provide canvas jacket.
10. Caulk all pipe penetrations through fire rated walls. All caulking on building penetrations shall be a 1-component non-sag urethane sealant.
11. Provide intumescent pipe donuts at all penetrations of combustible piping form main floor ceiling space and main floor fire separations.

PLUMBING ALTERNATE NOTE

1. Alternate mechanical equipment is acceptable. Alternates must be equal or better in performance, durability, and warranty.

PLUMBING IN RETURN AIR PLENUMS

1. Treat all ceiling spaces as return air plenums.
2. All materials used in return air plenums must have flame-spread index of 25 or less, and smoke-developed index of 50 or less when tested in accordance with ASTM E84 or UL 723 (be plenum rated).

GAS APPLIANCES AND REGULATIONS NOTES

1. All gas piping shall comply with the international Fuel Gas Code of 2015.
2. Provide step-down regulators at all appliances and size as per International Fuel Gas Code of 2015.
3. Vent natural gas regulators to outdoors. Terminate min. 3 ft from building openings and 10ft from mechanical intakes.

SEISMIC CONTROL NOTES

1. Install tight to structure.
2. Seismic control measures not to jeopardize noise and vibration isolation systems. Provide 1/4" to 3/8" clearance during normal operation of equipment and systems between seismic restraint and equipment.
3. Incorporate seismic restraints into vibration isolation system to resist complete isolator unloading.

GENERAL SANITARY NOTES

1. Provide chrome escutcheon cover plates at all pipe penetrations of finished wall surfaces.
2. Vents through roof shall be min. 3" diameter at penetration unless otherwise indicated. Provide all required flashing to make vent penetration waterproof.
3. Space floor cleanouts no more than 100ft. Provide floor cleanouts in horizontal drains where the direction change by more than 45 degrees. Cleanout size shall be the same than the piping served.
4. Provide a trap guard for all floor drains.
5. Mount wall cleanouts at all wall mounted plumbing fixture drains.

PLUMBING SMACNA SEISMIC HAZARD LEVEL

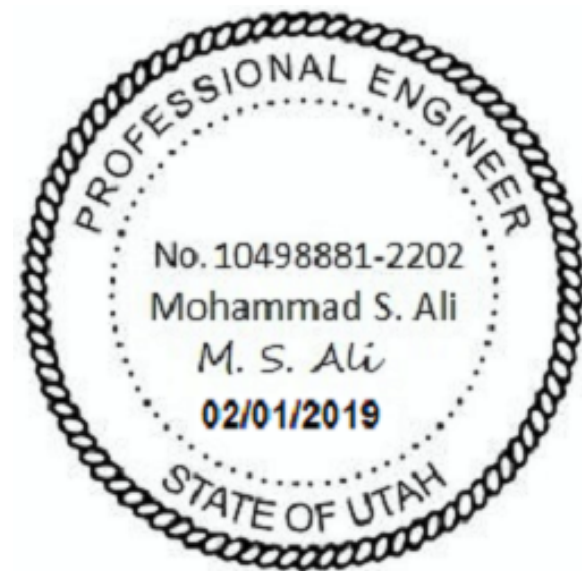
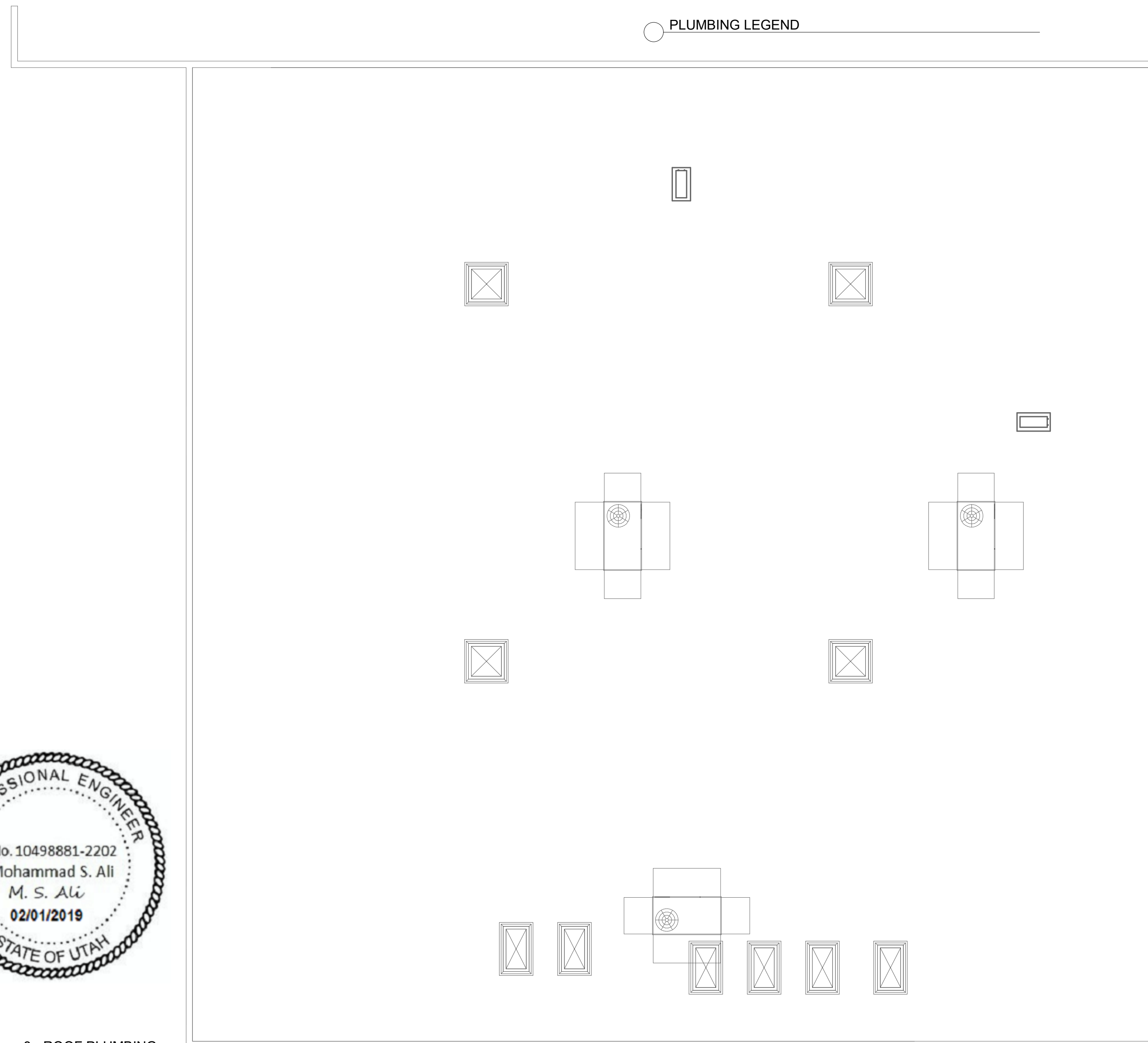
COMPONENT	SHL VALUE
Plumbing	C

SHEET LIST - PLUMBING

Sheet Number	Sheet Name	Current Issue	Current Revision Description
P100	PLUMBING OVERVIEW		
P101	PLUMBING DEMOLITION		
P102	PLUMBING CONSTRUCTION		

- ⊕ = GAS METER
- ⊕ = WALL CLEANOUT
- ⊕ = BALL VALVE
- ⊕ = PLUG VALVE
- ⊕ = PRESSURE REGULATOR
- DCW = DOMESTIC COLD WATER
- DHW = DOMESTIC HOT WATER
- DHWR = DOMESTIC HOT WATER RECIRCULATION
- SAN = SANITARY
- V = VENT
- S = STORM
- SH = NON-POTTABLE SHOP COLD WATER
- AIR = AIR LINE
- GR-SAN = GREASE SANITARY LINE

PLUMBING LEGEND



① 3 - ROOF PLUMBING
1/8" = 1'-0"

SCALE:
As indicated

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGNED BY: ZR
DRAWN BY: ZR
CHECKED BY: 19 of 27
APPROVED BY: HB
ISSUED: 11/12/2018
PROJECT #: 0273

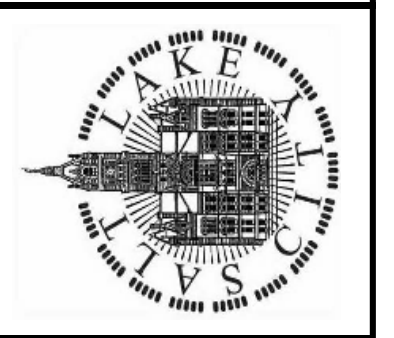
UTAH STATE BOARD OF PROFESSIONAL ENGINEERS
WEST JORDAN, UTAH 84068

ait

MARK	DATE	REVISIONS	MADE BY	AUTH BY

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS

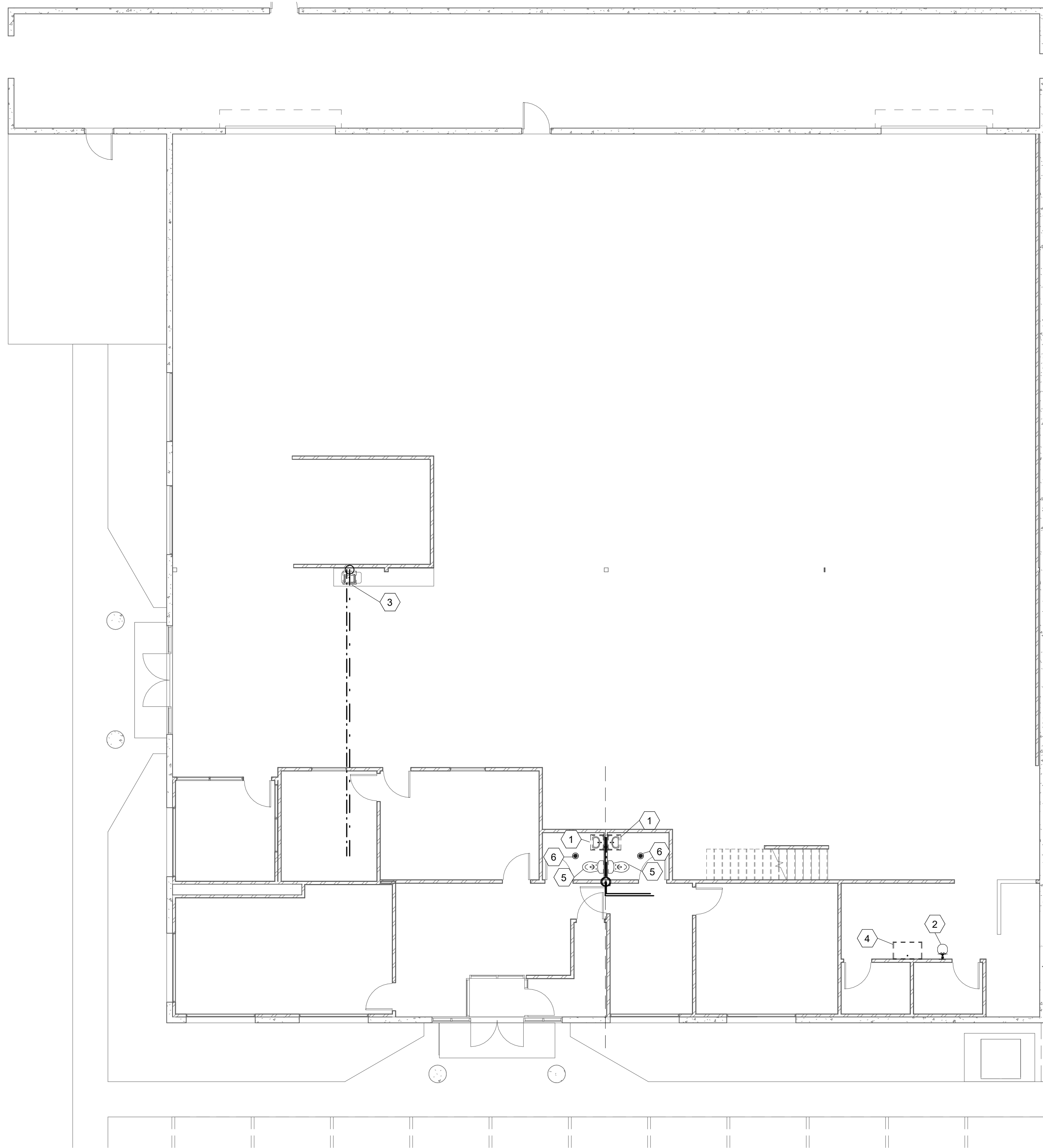
PLUMBING OVERVIEW



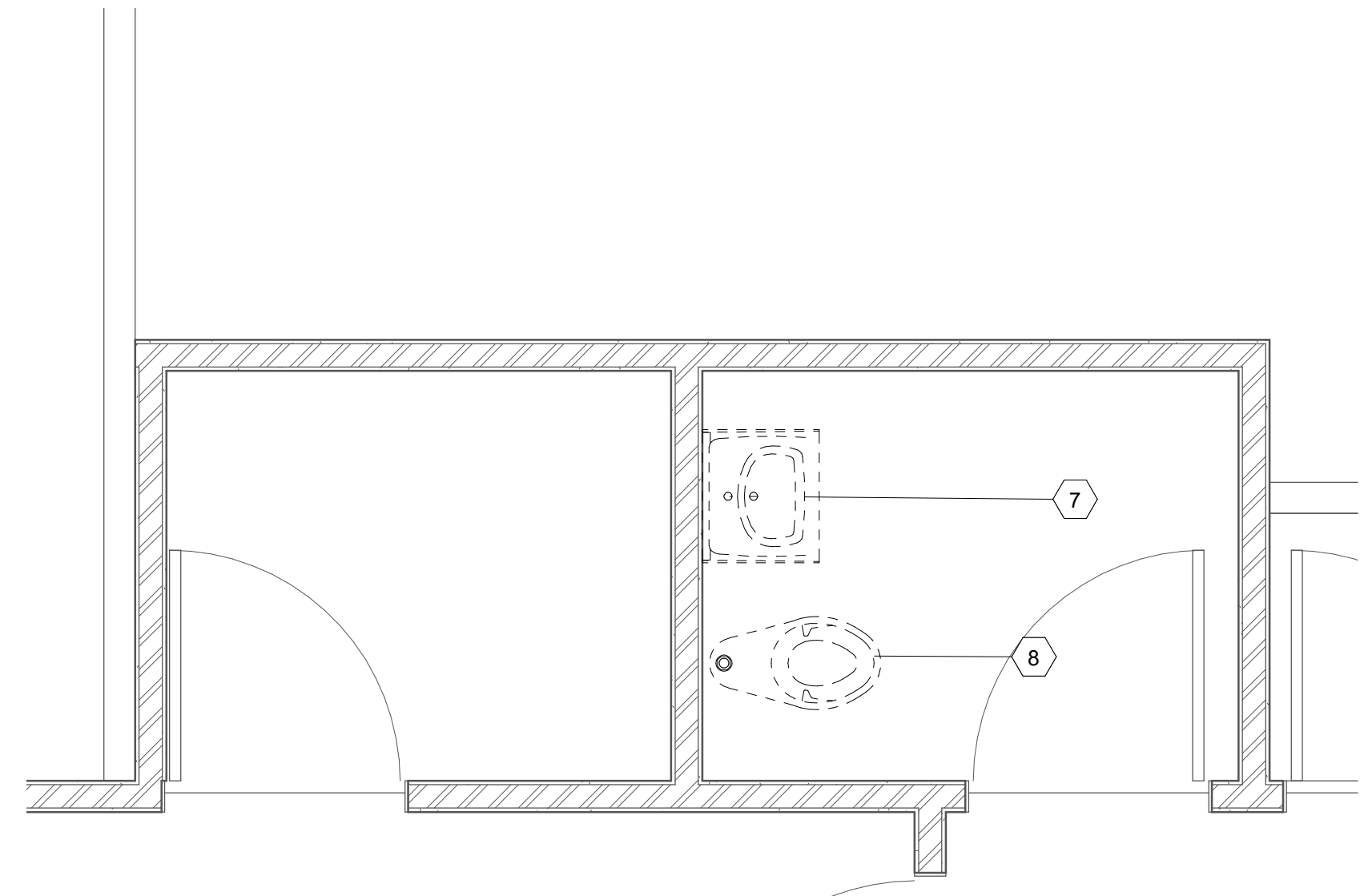
FOR CONSTRUCTION

DRAWING NO.
P100

SHEET 19 of 27



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



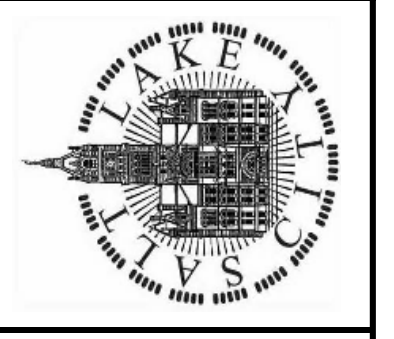
② 2 - 2ND FLOOR PLUMBING - DEMOLITION
1/2" = 1'-0"

KEYNOTES

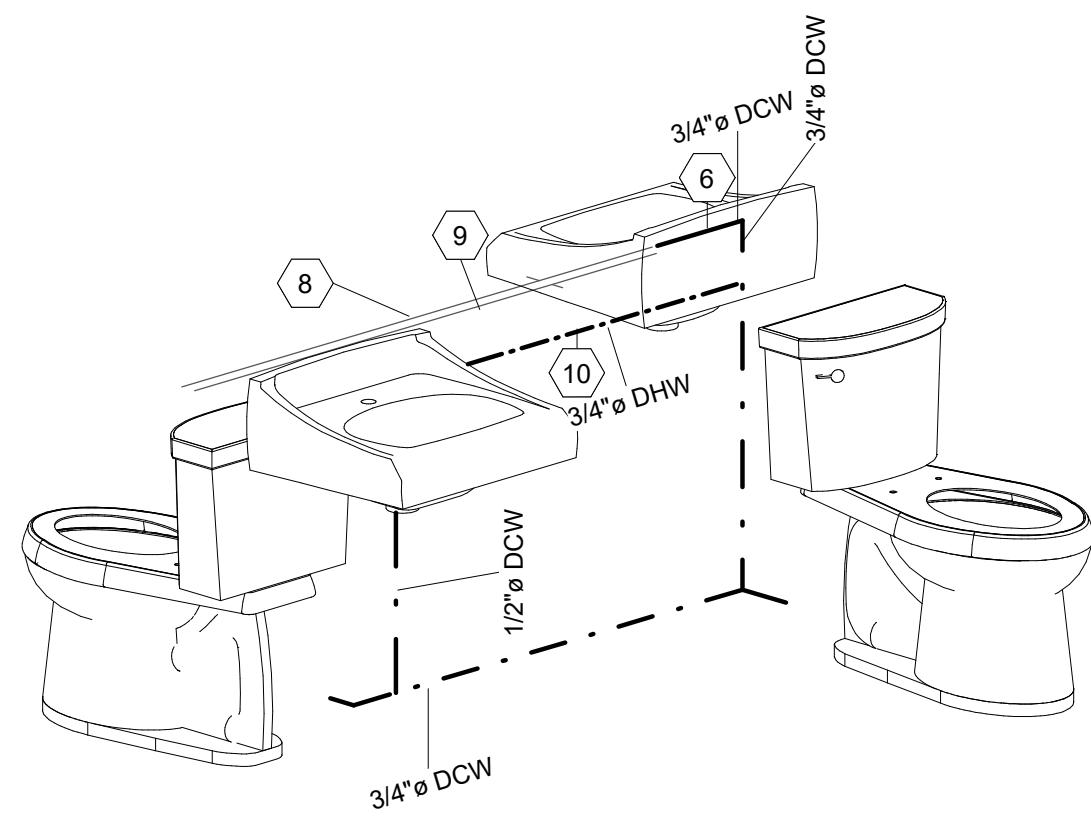
- | ID | DESCRIPTION |
|----|---|
| 1 | REMOVE EXISTING SINK AND PREPARE FOR REINSTALLATION. DEMOLISH PLUMBING LINES AND CAP. LEAVE 1" MAX STUB. SEE CONSTRUCTION PLANS. |
| 2 | DEMOLISH EXISTING EYE WASH STATION. REMOVE/CAP TEPID WATER SYSTEM. PREPARE SANITARY LINE FOR CONNECTION INTO NEW DRINKING FOUNTAIN. SEE CONSTRUCTION PLANS. |
| 3 | DEMOLISH EXISTING SINK CAP SANITARY LINES BELOW FLOOR. PATCH FLOOR AND MAKE TO MATCH EXISTING. DEMOLISH DCW LINES BACK TO MAIN BRANCH AND CAP. LEAVE 1" MAX STUB. EXTEND DCW LINE TO NEW ICE MACHINE IN ROOM 116. |
| 4 | DEMOLISH EXISTING UTILITY SINK AND PREPARE SAN, DCW, AND DHW LINES FOR CONNECTION INTO NEW SHOWER. |
| 5 | REMOVE EXISTING WATER CLOSET AND PREPARE FOR REINSTALLATION. DEMOLISH PLUMBING LINES AND CAP. LEAVE 1" MAX STUB. PATCH FLOOR AND MAKE TO MATCH EXISTING. SEE CONSTRUCTION PLANS. |
| 6 | EXISTING FLOOR DRAIN TO REMAIN. |
| 7 | DEMOLISH EXISTING SINK. PREPARE DCW LINE AND DHW LINE FOR NEW SINK. PREPARE SANITARY LINE FOR NEW SINK. |
| 8 | DEMOLISH EXISTING WATER CLOSET. PREPARE SANITARY LINE FOR NEW WATER CLOSET. PREPARE DCW LINE FOR NEW WATER CLOSET. |

SCALE: As indicated	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING
DESIGNED BY: ZR DRAWN BY: ZR CHECKED BY: 20 APPROVED BY: HB ISSUED: 11/12/2018 PROJECT #: 0273	architect alr 144 W. 1600 S. SALT LAKE CITY, UT 84119 9408
MARK:	DATE:
MADE BY:	AUTH BY:
REVISIONS:	

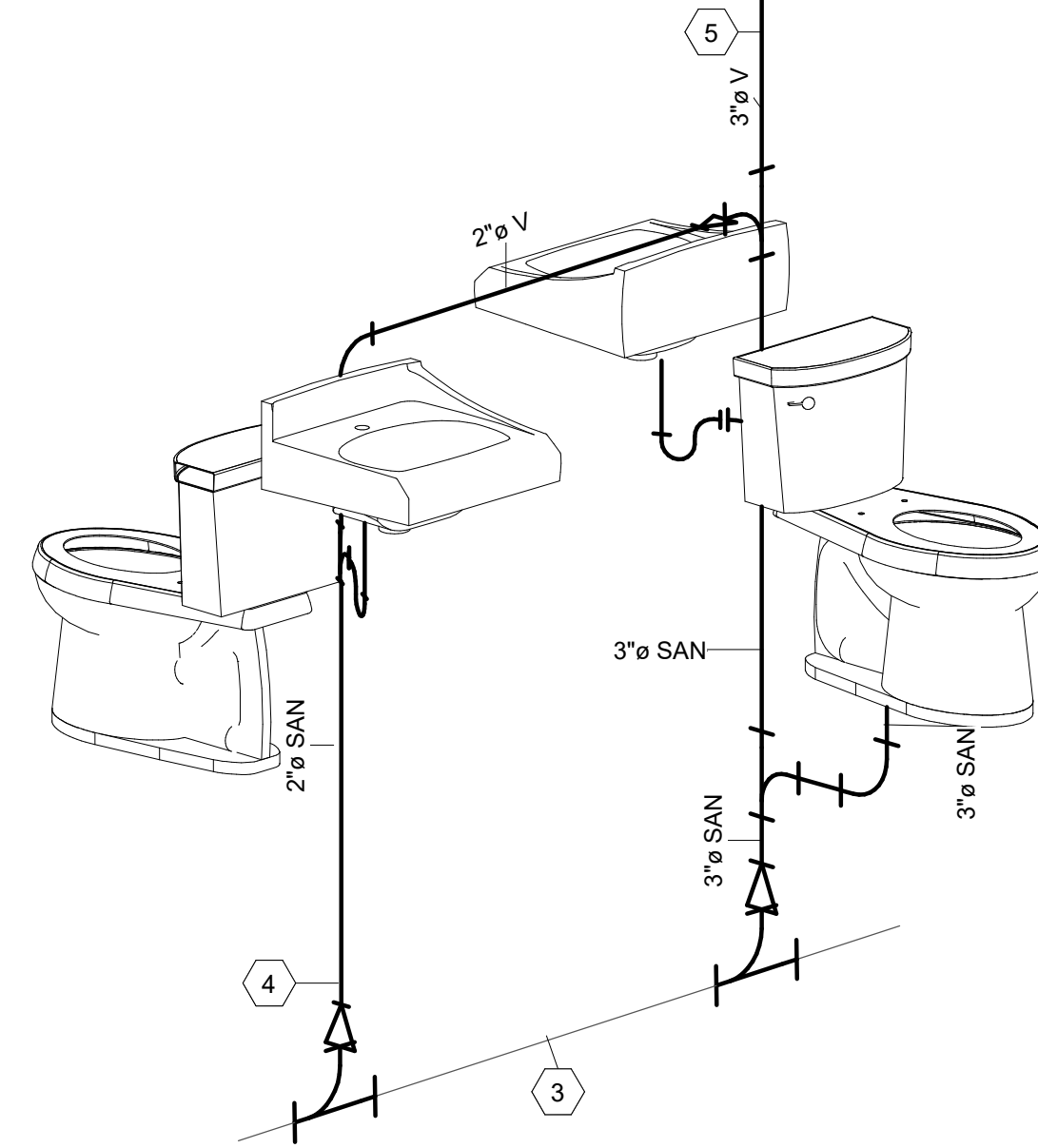
SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS
PLUMBING DEMOLITION



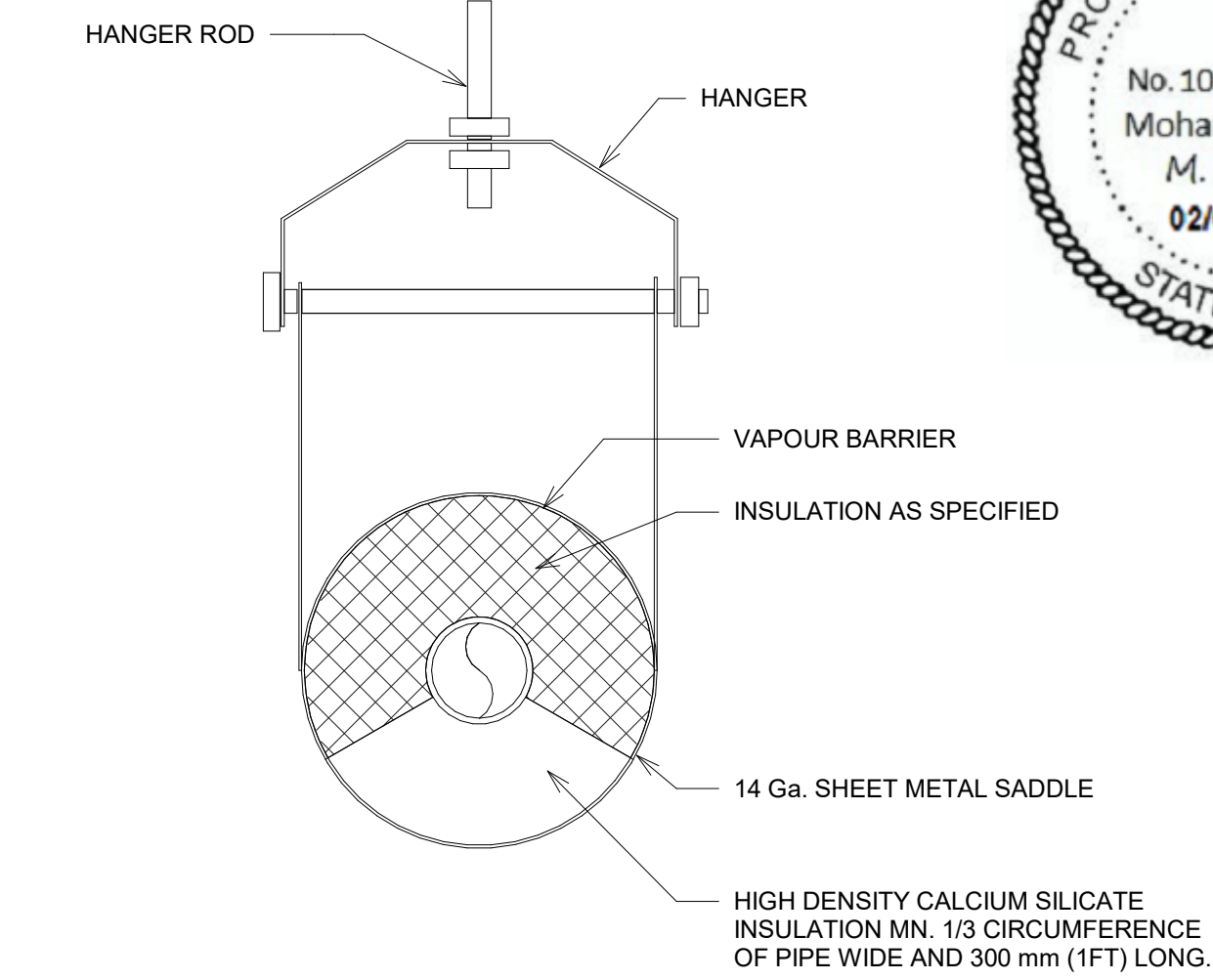
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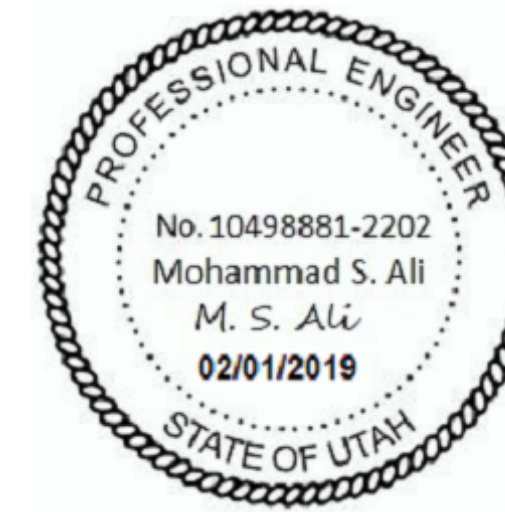
2 DCW/DHW ISOMETRIC



3 SAN/VENT ISOMETRIC



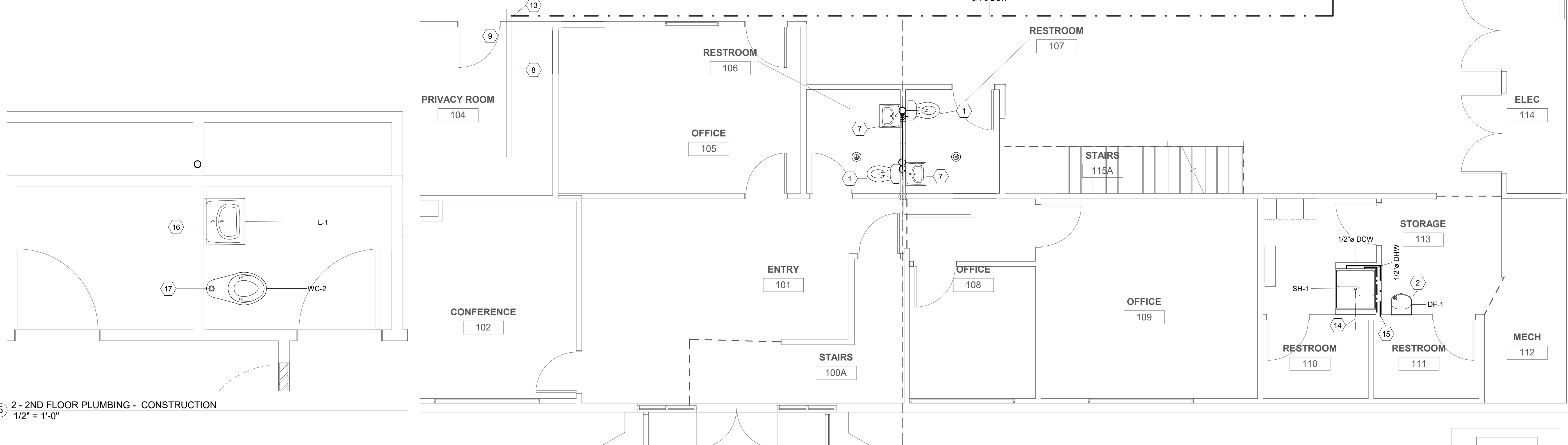
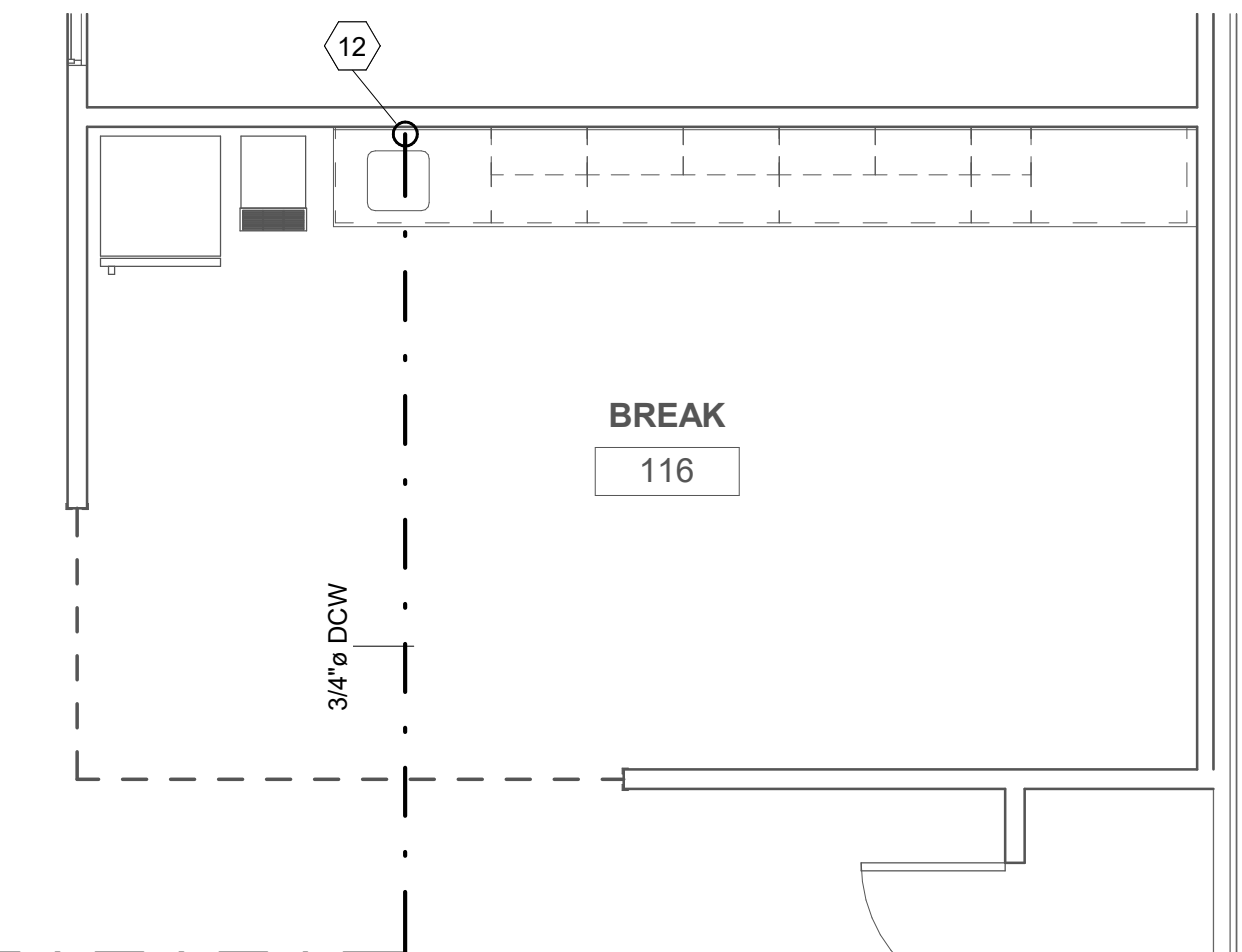
4 Pipe Hanger - Detail N.T.S.



KEYNOTES

- | ID | DESCRIPTION |
|----|--|
| 1 | INSTALL EXISTING WATER CLOSET AT NEW LOCATION. |
| 2 | CONNECT DRINKING FOUNTAIN TO EXISTING DCW AND SAN LINES. |
| 3 | EXISTING SANITARY LINE. |
| 4 | TIE NEW SANITARY LINE INTO EXISTING SEWER. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING SEWER. DEPTH MUST ALLOW FOR MIN SLOPE AS INDICATED. CONTACT ENGINEER IF DEPTH OF EXISTING LINE IS NOT SUITABLE. |
| 5 | TIE NEW VENT INTO EXISTING VENT SYSTEM. |
| 6 | EXTEND DCW TO SERVE WATER CLOSET. |
| 7 | INSTALL EXISTING SINK AT NEW LOCATION. |
| 8 | EXISTING DCW LINE. |
| 9 | EXISTING DHW LINE. |
| 10 | CONNECT EXISTING DHW TO SINKS. |
| 11 | RUN DCW ON PIPE HANGERS |
| 12 | DROP DCW TO ICE MACHINE AND CONNECT. |
| 13 | CONNECT NEW DCW INTO EXISTING DCW. |
| 14 | SAW CUT FLOOR TO RUN NEW SEWER LINE. CONNECT NEW SANITARY INTO EXISTING SEWER LINE. CONTRACTOR TO VERIFY LOCATION OF EXISTING SEWER. PATCH FLOOR AND MAKE AS NEW AFTER INSTALL IS COMPLETE. PROVIDE C/W SANITARY P-TRAP. |
| 15 | CONNECT NEW DCW/DHW LINES INTO EXISTING DCW/DHW. |
| 16 | CONNECT NEW SINK INTO EXISTING DCW/DHW AND SANITARY. |
| 17 | CONNECT NEW WATER CLOSET INTO EXISTING DCW AND SANITARY. |

PLUMBING FIXTURE SCHEDULE												
Mark	Manufacturer	Model	Style	ADA Compliant	Material	Color	Trim	Accessories	Count	Sanitary Connection	DCW Connection	DHW Connection
DF-1	Elkay	EZS8WSSK	Wall Mounted w/bottle filler	Yes	Stainless Steel	Grey	115V, 60Hz 370W Electric Cooler	Provide c/w dielectric coupling.	1	1 1/4"	3/8"	0"
L-1	Sloan	SS-3103	Wall Hung	Yes	Vitreous China	White		Provide c/w drain, p-trap, faucet supplies, ball isolation, and thermostatic valve - set at 100 deg. F.	3	1 1/4"	3/8"	3/8"
SH-1	Fiat	ADAF3636	Tile Shower	Yes	Polyester High Gloss Gelcoat	White	Gerber G9-010 Maxwell Pressure Balancing Valve. Gerber GH-301 Pressure balance in wall. Shower rough valve, 49-106 Chrome Plated finish, solid brass ball joint, 2.5 GPM max flow rate, supplied with black spray plate. Danze D481136 Wall mount shower arm, brass construction, 5-3/4" Long round escutcheon. Gerber 44-735 Commercial complete hand shower kit, chrome plate finish. 3" Face dia. 2.5 GPM 2-function hand shower push button trickle or full spray hand shower with 72" long hose and wall supply. 24" hand shower adjustable ADA compliant side bar. Danze D560957T Opulence In-wall diverter trim kit, 3-1/8" dia. metal wall escutcheon, metal lever handle and D130500BT 2-Way in wall rough diverter valve, brass body, 1/2" NPT inlets/outlets.		1	2"	1/2"	1/2"
WC-1	Kohler	K-3609	Floor Mounted, 2 piece, elongated bowl.	Yes	Viterous China	White	Seat: K-4650-0 elongated, open front.	Provide c/w floor flange, seal, and isolation valve on supply.	2	3"	3/8"	



1 - MAIN FLOOR PLUMBING - CONSTRUCTION
1/4" = 1'-0"

2 - 2ND FLOOR PLUMBING - CONSTRUCTION
1/2" = 1'-0"

SCALE: As indicated	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING
DESIGNED BY: ZR	PROJECT #: 02273
DRAWN BY: ZR	ISSUED: 11/12/2018
CHECKED BY: 21	PROJECT #: 02273
APPROVED BY: HB	PROJECT #: 02273
DATE: 11/12/2018	PROJECT #: 02273
REVISIONS:	
MADE BY:	
AUTH BY:	
MARK:	
SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES WEST CAMPUS	
PLUMBING CONSTRUCTION	
FOR CONSTRUCTION	
DRAWING NO. P102	
SHEET 21 of 27	

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ELECTRICAL GENERAL NOTES

GENERAL NOTES:

- 1. THE ELECTRICAL SYSTEMS DEFINED BY THESE PLANS AND THE SPECIFICATIONS ARE TO BE CONSTRUCTED AS COMPLETE AND OPERABLE SYSTEMS AND SHALL BE BID WITH THIS INTENT. THE CONTRACTOR SHALL VISIT THE SITE, READ ALL THE RELEVANT DOCUMENTS, AND BECOME FAMILIAR WITH THE TYPE OF CONSTRUCTION AND WORK TO BE ACCOMPLISHED...

- 20. COORDINATE LOCATION OF WALL MOUNTED DEVICES WITH CABINERY AND OTHER WALL OBSTRUCTIONS. COORDINATE CEILING MOUNTED DEVICES WITH CEILING OBSTRUCTIONS. ANY DEVICES THAT NEED TO BE RELOCATED MUST BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER PRIOR TO ROUGH-IN FOR NEW LOCATION.

REMODEL NOTES:

- 22. THE EC SHALL COORDINATE AND CONFIRM THE EXACT LOCATION OF THE EXISTING POWER PANELS FROM WHICH NEW CIRCUITS ARE BEING FED. VERIFY EXISTING BRANCH CIRCUIT BREAKERS AND PROVIDE NEW BRANCH CIRCUIT BREAKERS AS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.

LIGHTING NOTES:

- 25. ALL BATTERY POWERED OR CONTINUOUS BURN LUMINAIRES SHOWN ON THE PLANS, SUCH AS EXIT LIGHTS, NIGHT LIGHTS, OR EMERGENCY LIGHTS, SHALL BE CONNECTED TO THE UN-SWITCHED LEG OF THE LIGHTING CIRCUIT FEEDING THAT AREA.

POWER NOTES:

- 30. ELECTRICAL CONTRACTOR SHALL CONFIRM MINIMUM CODE (NEC) WORKING CLEARANCE BEFORE INSTALLING ANY ELECTRICAL PANELS OR CABINETS AND SHALL MOVE THE PANELS IF REJECTED BY AN INSPECTOR. IF CLEARANCE IS NOT POSSIBLE, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IN WRITING.

DATA/TELECOM NOTES:

- 36. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN ONLY FOR THE TELECOM/CATV SYSTEMS. THIS SHALL CONSIST OF A FOUR SQUARE DEVICE MOUNTING BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE OR TO THE CEILING SPACE ABOVE IF OPEN. CABLING, JACKS, FACEPLATES, TESTING AND TERMINATIONS SHALL BE PROVIDED AND INSTALLED BY OTHERS.

ACCESS CONTROL NOTES:

- 38. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH IN ONLY FOR OWNER FURNISHED AND INSTALLED ACCESS CONTROL SYSTEM. COORDINATE WITH OWNER FOR SPECIFIC ROUGH IN REQUIREMENTS SUCH AS CARD READER, DOOR CONTACTS, ELECTRONIC LATCH AND OTHER COMPONENTS PRIOR TO INSTALLATION OF NEW DOORS AND/OR DOOR HARDWARE.

ELECTRIC GATE OPERATOR NOTES:

- 39. COORDINATE SPECIFIC REQUIREMENTS AND LOCATION OF ELECTRICAL POWER/CONTROL CONNECTION POINTS WITH MOTORIZED GATE SUPPLIER. INSTALL CONDUITS/CONDUCTORS FOR 120VAC POWER AND SEPERATE CONDUIT(S) FOR CONTROLS.

ELECTRICAL SYMBOL SCHEDULE

Table with 4 columns: SYMBOL, DESCRIPTION, MOUNTING, NOTES. Lists various electrical symbols like LIGHT FIXTURE, EMERGENCY LIGHT FIXTURE, EXIT FIXTURE, etc.

Table with 3 columns: SYMBOL, DESCRIPTION, MOUNTING. Lists symbols for JUNCTION BOX, WALL JUNCTION BOX, FLOOR JUNCTION BOX, DISCONNECT SWITCH, etc.

Table with 3 columns: SYMBOL, DESCRIPTION, MOUNTING. Lists symbols for CIRCUIT BREAKER, MLO PANEL, MCB PANEL, AUTOMATIC TRANSFER SWITCH, CT ENCLOSURE, etc.

Table with 3 columns: SYMBOL, DESCRIPTION, MOUNTING. Lists symbols for WIRING / CONDUIT, CONDUIT TURNED UP, CIRCUIT HOME RUN TO PANEL, etc.

- NOTES: 1. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE, MOUNTING, AND OTHER SPECIFICS. 2. CONNECT EMERGENCY AND/OR EXIT LIGHTS TO THE UNSWITCHED SIDE OF THE AREA LIGHTING BRANCH CIRCUIT.

Table with 2 columns: ABBREVIATIONS. Lists abbreviations for AFCI - ARC FAULT CKT INTERRUPTER, AFF - ABOVE FINISHED FLOOR, AFG - ABOVE FINISHED GRADE, etc.

SHEET INDEX

Table with 2 columns: SHEET NUMBER, SHEET DESCRIPTION. Lists sheets E001 through E601.

SCALE:

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

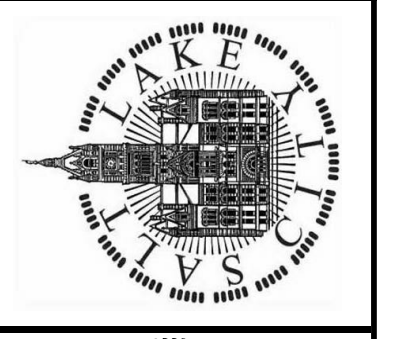
ISSUED BY:

PROJECT #:

DATE:

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SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES WEST CAMPUS

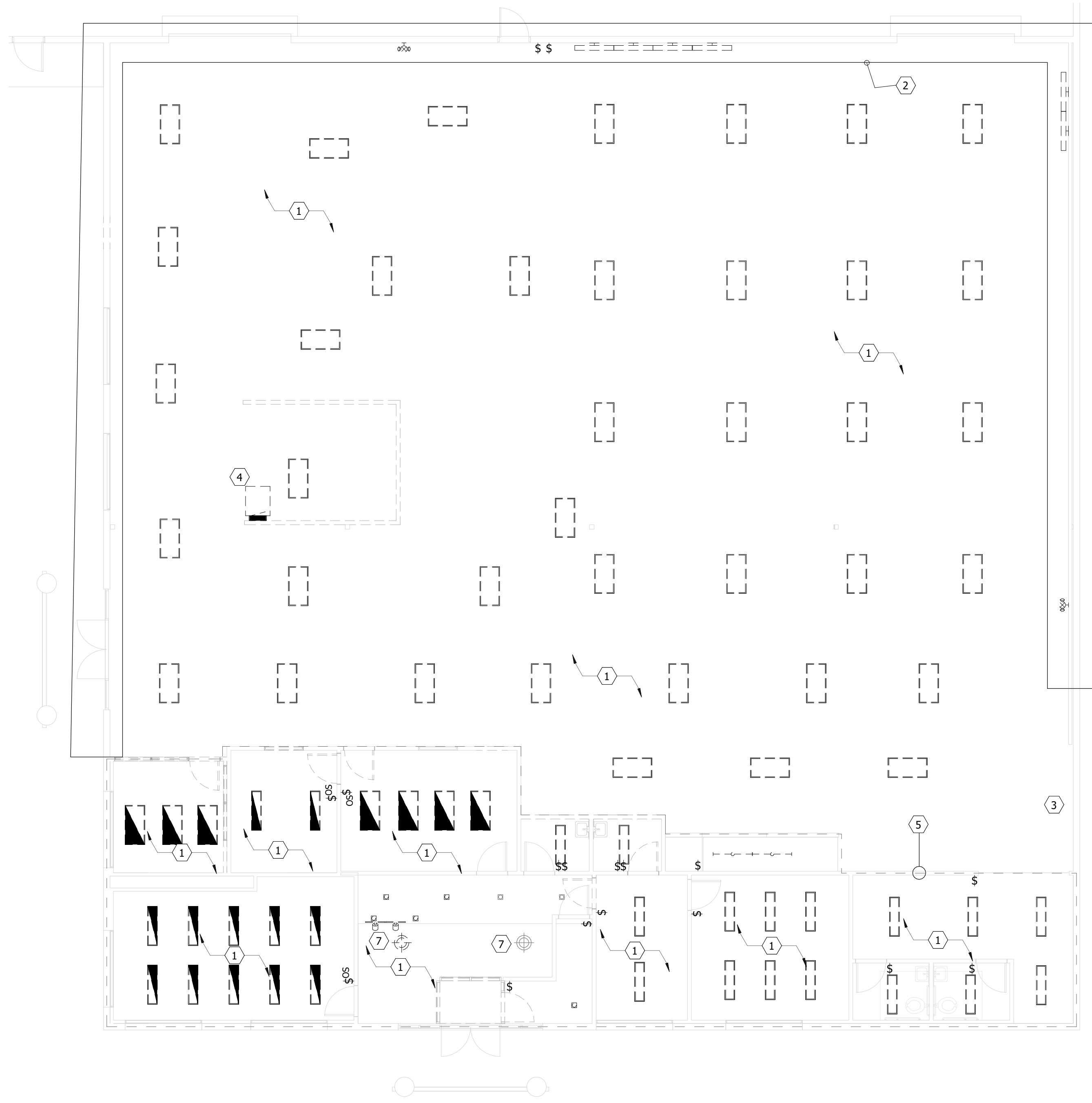


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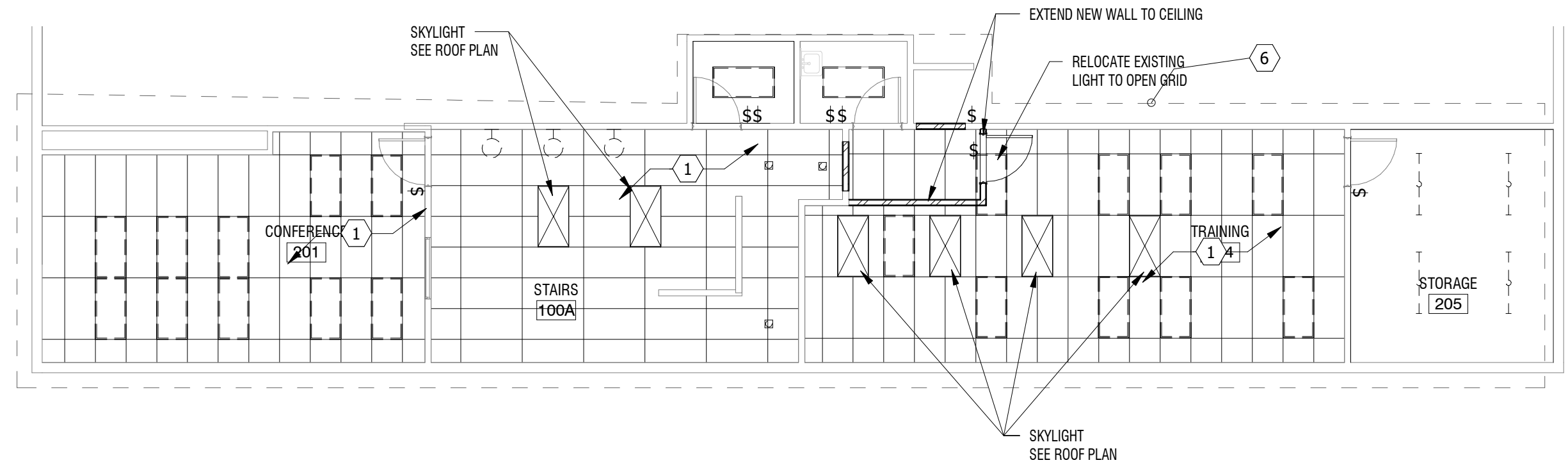
SHEET 22 of 27

ELECTRICAL GENERAL SHEET



**LEVEL 1 LIGHTING PLAN
EXISTING DEMO**

1
E002 SCALE: 1/8" = 1'-0"




**LEVEL 2 LIGHTING PLAN
EXISTING DEMO**

2
E002 SCALE: 1/8" = 1'-0"

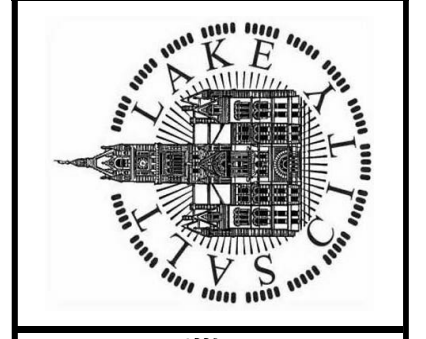
- KEYED NOTES**
- UNLESS OTHERWISE NOTED, ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED CONTROL SWITCHES IN THIS AREA ARE TO BE DEMOLISHED.
 - REMOVE AND DEMOLISH ALL UNUSED SWITCHES AND DISCONNECTS BACK TO SOURCE WITHIN SPACE.
 - PROTECT AND MAINTAIN ELECTRICAL PANELS AND TRANSFORMERS FOR CONTINUED USE.
 - DEMOLISH ELECTRICAL BREAKER BOX AND ALL LOAD SIDE CONDUITS. DEMOLISH SOURCE SIDE CONDUITS AND CABLES BACK TO SOURCE.
 - IT IS INTENDED THAT THE LIGHT FIXTURES ON THE FIRST FLOOR HARD LID CEILING WILL BE REMOVED AND REPLACED WITH A SIMILAR MOUNTED AND SIZED LED FIXTURE. WALL MOUNT VACANCY SENSORS TO BE ADDED. CONTRACTOR TO REPAIR ANY DAMAGE. WALL AND CEILING TO BE PROTECTED AND MAINTAIN ALL OTHER ELECTRICAL DEVICES IN AREA UNLESS OTHERWISE NOTED.
 - IT IS INTENDED THAT THE LIGHT FIXTURES ON THE 2ND FLOOR GRID CEILING WILL BE REMOVED AND REPLACED WITH SIMILAR MOUNTED AND SIZED LED FIXTURES. CONTRACTOR TO REPAIR ANY DAMAGE. WALL MOUNTED VACANCY SENSORS TO BE ADDED. REMOVE EXISTING LIGHT FIXTURES AND REPAIR ANY DAMAGED ASSOCIATED WITH REMOVAL.
 - REMOVE EXISTING LIGHT FIXTURES AND REPAIR ANY DAMAGED ASSOCIATED WITH REMOVAL.

- GENERAL NOTES**
- EC TO DISCONNECT AND REMOVE ALL EXISTING LUMINAIRES AND LIGHTING CONTROLS. EXERCISE CARE IN REMOVAL OF DEMOLITION ITEMS. REPAIR, AT NO ADDITIONAL COST TO OWNER, ANY DAMAGE CAUSED TO EXISTING CONSTRUCTION AND/OR EQUIPMENT TO REMAIN.
 - ELECTRICAL CONTRACTOR SHALL REMOVE ALL LIGHT FIXTURES AND CONTROLS AS INDICATED ON DRAWINGS. IF ANY LIGHT FIXTURE BALLASTS ARE FOUND TO CONTAIN PCB'S THE ELECTRICAL CONTRACTOR SHALL REMOVE BALLAST FROM LIGHT FIXTURES AND DISPOSE OF IN APPROVED DISPOSAL CONTAINERS PROVIDED BY THE OWNER. THE OWNER SHALL BE RESPONSIBLE FOR PROPER DISPOSAL PER LOCAL, STATE AND FEDERAL LAWS AND PAY FOR ALL ASSOCIATED COSTS OF DISPOSAL.
 - UNLESS OTHERWISE NOTED, REMOVE ALL ASSOCIATED ACCESSORIES, FROM EXISTING ELECTRICAL DEVICES AND FIXTURES NOTED TO BE DEMOLISHED. REMOVE ALL WIRING AND CONDUIT BACK TO SOURCE OF SUPPLY. CUT BACK CAP. ABANDON ALL CONCEALED EXISTING CONDUITS WHICH ARE LOCATED IN CONCRETE WALL OR CEILING/FLOOR SLAB. REMOVE ALL WIRING FROM ANY ABANDONED CONDUITS BACK TO THE SOURCE OF SUPPLY.

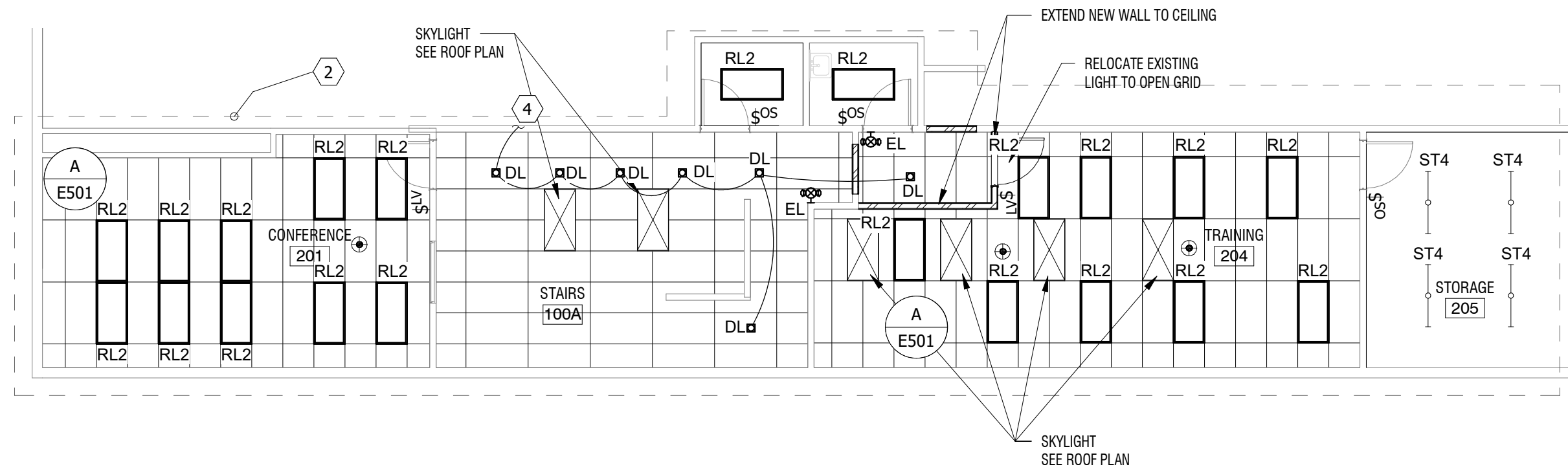
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ISSUED BY: 02/01/2019	
PROJECT #: 18-029	PROJECT: SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES WEST CAMPUS
	
MARK:	DATE:
REVISIONS:	MADE BY:
AUTH BY:	

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS

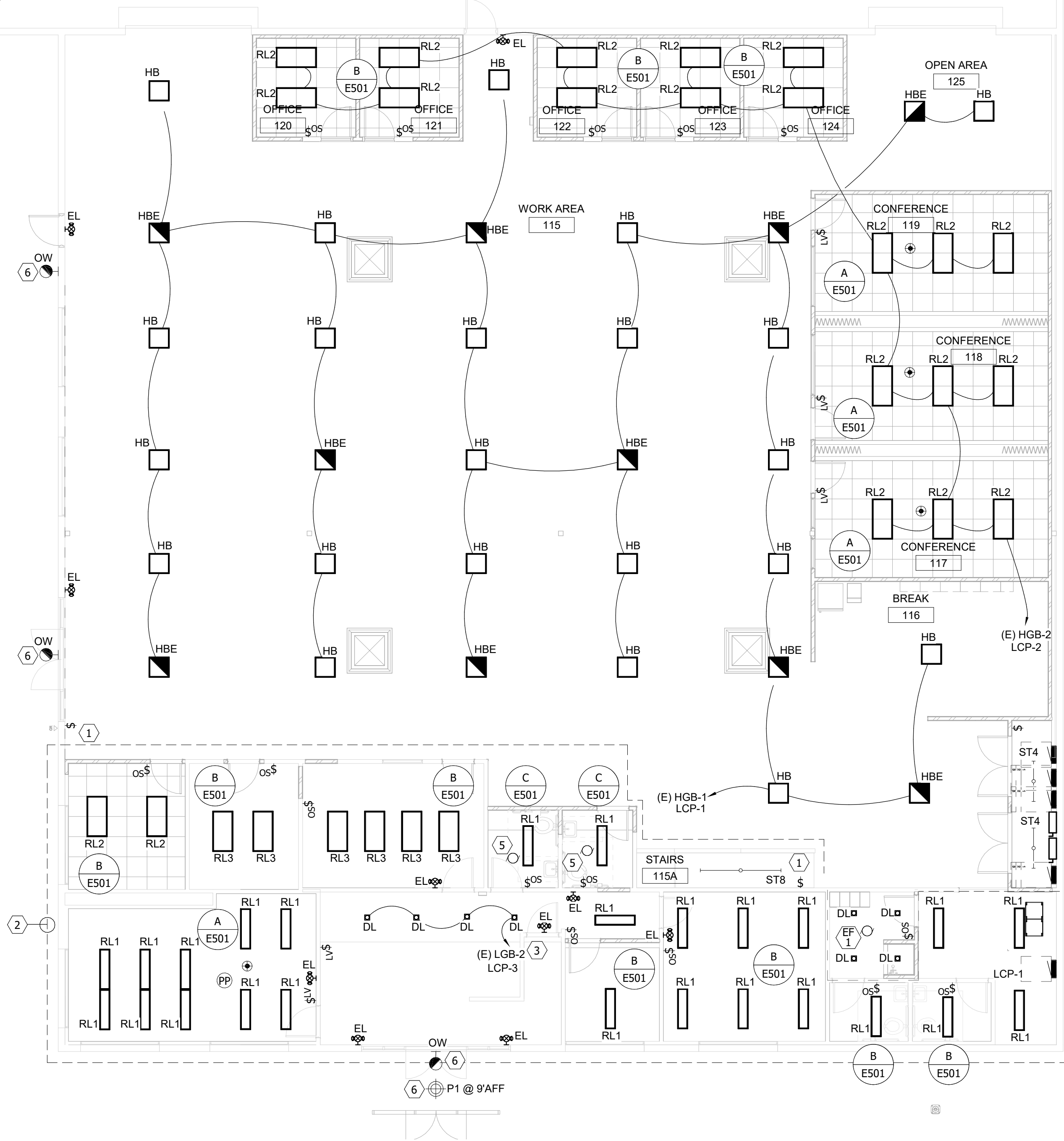
ELECTRICAL DEMOLITION PLAN



DRAWING NO.
E002



2 LEVEL 2 LIGHTING PLAN
E101 SCALE: 1/8" = 1'-0"



1 LEVEL 1 LIGHTING PLAN
E101 SCALE: 1/8" = 1'-0"

LIGHTING RELAY SCHEDULE								
I.D.:	LCP	PART #:	LC&D GR1408					
LOCATION:	LOCKER RM./STORAGE	ENCLOSURE DIMENSION:	8.4"W X 13.4"H X 3.125"D					
SUPPLY CIRCUIT:	LGB-4	NEMA RATING:	NEMA 1					
VOLTAGE:	120-277	NOTES:						
RELAY:	LINE FEED:	DESCRIPTION:	LV SW:	A	B	C	D	E
1	HGB-1	OPEN OFFICE HIGH BAY LTG.	LV \$	X				
2	HGB-2	OFFICE LIGHTING		X				
3	LGB-2	FOYER LIGHTING		X				
4		SPARE		X				
5		SPARE						
6		SPARE						
7		SPARE						
8		SPARE						

PROGRAMMING NOTES:

- A. TIMED ON / TIMED OFF
- B. TIMED ON / PHOTOCELL OFF
- C. PHOTOCELL ON / TIMED OFF
- D. PHOTOCELL ON / PHOTOCELL OFF
- E. OTHER

LIGHT FIXTURE SCHEDULE								
TYPE	MANUFACTURER	CATALOG NO.	VOLTAGE	LUMEN / COLOR	DIMMING CONTROL	MOUNTING	LOAD(VA)	DESCRIPTION
DL	DMF LIGHTING	DRD55 4 R 10 9 30 O	UNV	LED	0-10V	RECESSED	12	4" SURFACE THIN DOWNLIGHT.
				1000 lumens				3000K
RL1	LA LIGHTING	FIC 110 4 4L PDA 1DRDM UNV 2 830	UNV	LED	0-10V	RECESSED	31	1X4 RECESSED INDIRECT/DIRECT TROFFER. ACRYLIC LENS. PROVIDE MOUNTING ACCESSORIES FOR GYP CEILING.
				3105 lumens				3000K
RL1E	SAME AS TYPE RL1, WITH EMERGENCY BATTERY BACK UP.							
RL2	LA LIGHTING	GDC320 4 4L 1DRDM UNV 1 830	UNV	LED	0-10V	RECESSED	32	2X4 RECESSED INDIRECT/DIRECT TROFFER. ACRYLIC LENS. PROVIDE MOUNTING ACCESSORIES FOR T-GRID CEILING.
				3430 lumens				3000K
RL2E	SAME AS TYPE RL2, WITH EMERGENCY BATTERY BACK UP.							
RL3	LA LIGHTING	FDC320 4HE 4L 1DRDM UNV 1 830	UNV	LED	0-10V	RECESSED	32	2X4 RECESSED INDIRECT/DIRECT TROFFER. ACRYLIC LENS. PROVIDE MOUNTING ACCESSORIES FOR GYP CEILING.
				3430 lumens				3000K
HB	DECO	DHL LP LED 2 90 40 UNV F DM	UNV	LED	0-10V	SUSPENDED	90	2X2 SUSPENDED HIGHBAY. FROSTED ACRYLIC LENS. PROVIDE MOUNTING CHAINS.
				11600 lumens				4000K
HBE	SAME AS TYPE HB, WITH EMERGENCY BATTERY BACK UP.							
P1	ELAN	83884	120	LED	0-10V	SUSPENDED	240	CHROME PENDANT.
				913 lumens				3000K
ST4	LA LIGHTING	STW100 4 HE 4L FRA 1DRDM UNV 1 830	UNV	LED	0-10V	SUSPENDED	33	4' STRIP LIGHT. FROSTED ACRYLIC LENS. PROVIDE MOUNTING CHAINS.
				3223 lumens				3000K
ST8	LA LIGHTING	STW100 8 8L FRA 1DRDM UNV 1 840	UNV	LED	0-10V	SUSPENDED	68	8' STRIP LIGHT. FROSTED ACRYLIC LENS. PROVIDE MOUNTING CHAINS.
				6310 lumens				4000K
OW	DECO	D458-LED-60-40-UNV-BZ-PC-EM	UNV	LED	0-10V	WALL	112	SLIM EMERGENCY WALL SCONCE. INTEGRAL PHOTOCELL.
				1140 lumens				3000K
EL	EXITRONIX	GVLED U WH EL90	UNV	N/A	0-10V	WALL	N/A	THERMOPLASTIC LED EXIT COMBO. GREEN LETTERING.
EL1	EXITRONIX	LED-95 WH G2	UNV	N/A	0-10V	WALL	1.5	THERMOPLASTIC LED EMERGENCY LIGHT.

NOTES:
 1. ALL LIGHT FIXTURES SHOWN HALF SHADED SHALL BE PROVIDED WITH AN EMERGENCY BATTERY PACK CAPABLE OF PROVIDING 90 MIN. OF EGRESS ILLUMINATION.
 2. FIXTURES BEING CONSIDERED AS EQUIVALENTS MUST BE SUBMITTED FOR APPROVAL NO LESS THAN FIVE DAYS PRIOR TO BID.

KEYED NOTES

1. OVERRIDE SWITCH PROVIDED FOR OPEN OFFICE LIGHTING IF SOMEONE IS IN THE BUILDING BEFORE OR AFTER HOURS.
2. REPLACE LIGHTS LIKE FOR LIKE. REUSE EXISTING CIRCUITS. REPLACE WALL SWITCH WITH LINE VOLTAGE OCCUPANCY SENSOR ON BOTH FIRST AND SECOND FLOOR UNLESS OTHERWISE NOTED. IF OCCUPANCY SENSOR IS EXISTING, JUST REPLACE LIGHT FIXTURES. CONTINUE CIRCUIT TO DOWNLIGHTS ABOVE.
3. CIRCUIT CONTINUED FROM DOWNLIGHTS BELOW.
4. EXISTING EXHAUST FAN TO REMAIN AND BE REUSED. RE-CIRCUIT EXISTING EXHAUST FAN TO LIGHTING CIRCUIT.
5. CIRCUIT NEW EXTERIOR LIGHTS TO EXISTING 120V EXTERIOR LIGHTING CIRCUIT. EXTEND 3/4" CONDUIT AND (2) #12 AND (1) #12 GROUND THWN AS REQUIRED.

GENERAL NOTES

- A. HIGH BAY 2X2 LIGHTS TO BE MOUNTED 6" BELOW LOWEST CEILING DUCT.
- B. CONNECT ALL EMERGENCY AND EXIT LIGHT FIXTURES TO THE UNSWITCHED SIDE OF THE LIGHTING BRANCH CIRCUIT. LIGHT FIXTURES WITH EMERGENCY DRIVERS SHALL BE NORMALLY SWITCHED WITH THE AREA LIGHTING, BUT HAVE THEIR EMERGENCY DRIVERS CONNECTED AHEAD OF THE LIGHT SWITCH OR LIGHTING CONTROL PANEL RELAY.
- C. COORDINATE MOUNTING HEIGHTS OF ALL PENDANT AND WALL MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL ELEVATIONS.
- D. ELECTRICIAN TO VERIFY FIXTURE DIMMING CONTROLS AND TO PROVIDE THE NECESSARY WIRING AND DEVICES REQUIRED FOR DIMMING OPERATION.

LIGHTING CONTROL SEQUENCE OF OPERATIONS

LIGHTING AND CONTROLS ARE DESIGNED TO MEET IECC 2015

LIGHTING CONTROL PANEL WILL BE PROGRAMMED TO TURN LIGHTS ON AND OFF FOR HOURS OF OPERATION.

OVERRIDE SWITCHES ARE PROVIDED IF SOMEONE IS IN THE BUILDING BEFORE OR AFTER HOURS.

WALL MOUNTED DIMMABLE VACANCY SENSORS WILL BE PROVIDED IN OFFICES, CONFERENCE ROOMS, RESTROOMS, AND STORAGE ROOMS.

PROVIDE 30 MINUTE OCCUPANCY TIME OUT FOR SHOWER RESTROOM.

EXTERIOR LIGHTING WILL COME ON AND OFF WITH PHOTOCELL.

DAYLIGHT ZONE EXEMPT PER IECC 2015 C405.2.3 (BELOW MINIMUM REQUIREMENTS OF 150 WATTS).

DESIGNED BY: [Signature] DS
 DRAWN BY: [Signature] HA
 CHECKED BY: [Signature] Approver
 APPROVED BY: [Signature] 02/01/2019
 ISSUED: [Signature] 02/01/2019
 PROJECT #: 18-029

SCALE: As indicated

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING

REVISIONS:

MARK	DATE	REVISIONS	MADE BY	AUTH BY
1	2/28/2019	ADDED FOR BIDDING		
2		City Design Review Response		

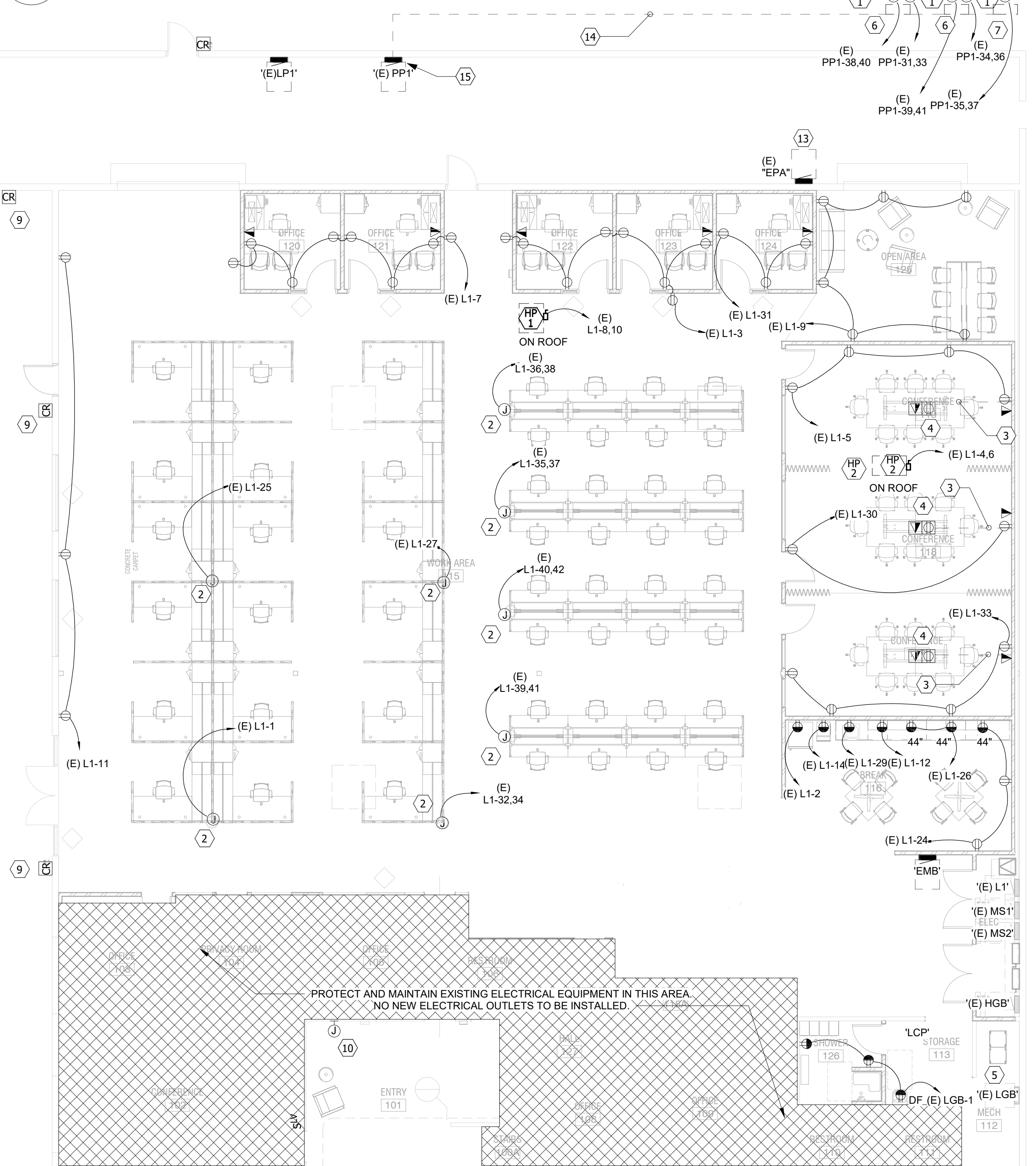
SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS

ELECTRICAL LIGHTING PLAN

REGISTERED PROFESSIONAL ENGINEER
 No. 7945859-2202
 DAVID W. STEWARD
 STATE OF UTAH

DRAWING NO. **E101**
 SHEET 24 of 27

2 LEVEL 2 POWER PLAN
 E201 SCALE: 1/8" = 1'-0"

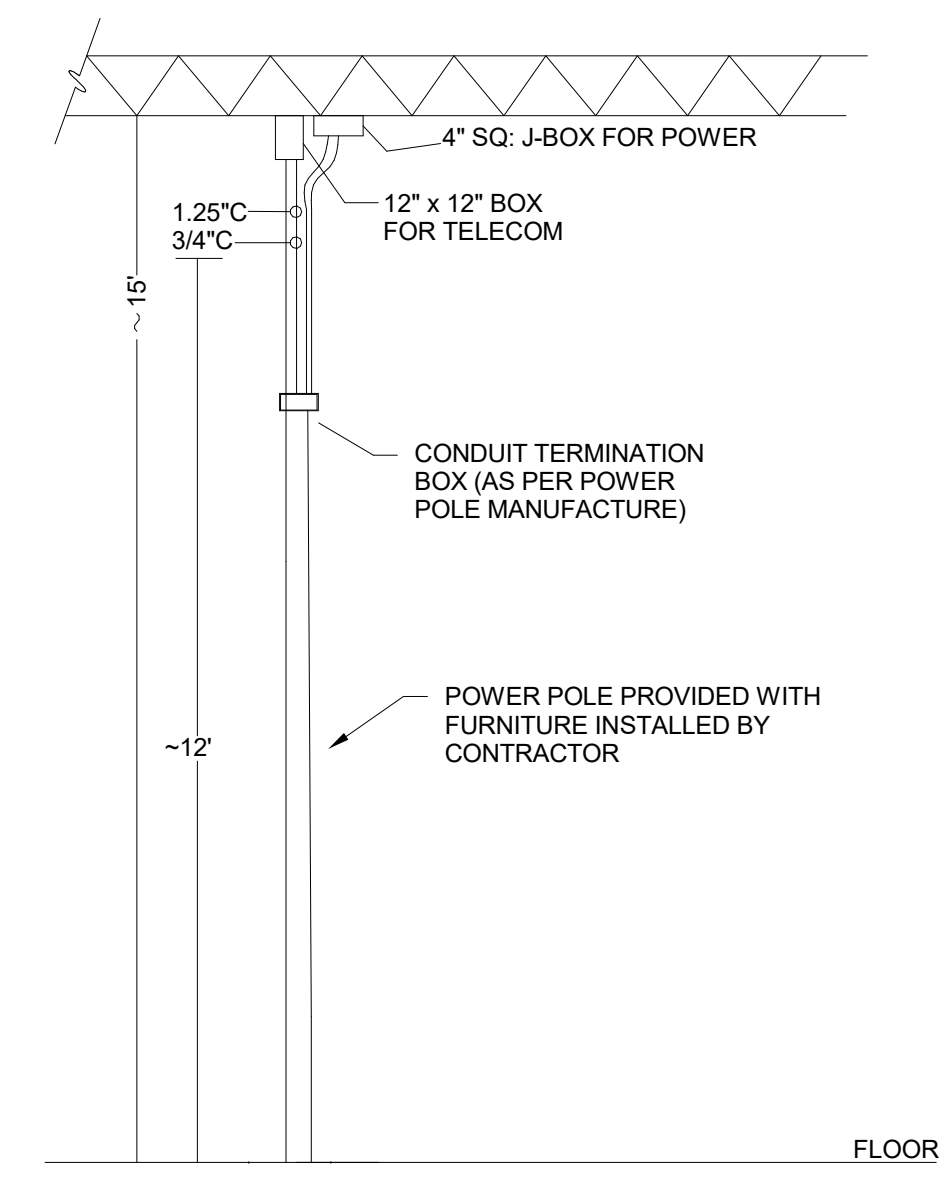


1 LEVEL 1 POWER PLAN
 E201 SCALE: 1/8" = 1'-0"



- ### KEYED NOTES
- PROVIDE 2 POLE BREAKER WITH SHARED NEUTRAL TO CONNECT TO SYSTEMS FURNITURE POWER POLE ROUGHLY 12' AFF. COORDINATE EXACT LOCATION WITH FURNITURE SUPPLIER AND ARCHITECT.
 - CONNECT TO SYSTEMS FURNITURE POWER POLE ROUGHLY 12' AFF. COORDINATE EXACT LOCATION WITH FURNITURE SUPPLIER AND ARCHITECT. SEE DETAIL 3 BELOW.
 - SAW CUT FLOOR PROVIDE CONDUITS AS SHOWN ON DETAILS SHEET E501.
 - PROVIDE LEGRANDE RFB4E FLOOR BOX OR APPROVED EQUAL EXISTING TELECOM CABINET.
 - PROVIDE DUAL VEHICLE CHARGING STATION CHARGE POINT CFP25-L18-CMK6-PD-DUAL OR EQUIVALENT. COORDINATE EXACT LOCATION WITH ARCHITECT SEE SHEET G002 FOR MORE INFORMATION.
 - PROVIDE EATON 50 AMP RV PEDESTAL. COORDINATE EXACT LOCATION WITH ARCHITECT SEE SHEET G002 FOR MORE INFORMATION.
 - PROVIDE 1" CONDUIT FROM CARD READER LOCATION BACK TO IT CABINET. COORDINATE EXACT LOCATION WITH ARCHITECT. SEE SHEET A002 FOR MORE INFORMATION. SAWCUT AND REPAIR ASPHALT AS REQUIRED.
 - PROVIDE CARD READER ROUGH-IN AT FRONT DOOR. PROVIDE 1" CONDUIT TO TELECOM CABINET. COORDINATE EXACT CONDUITS AND LOCATION WITH OWNER PRIOR TO CONSTRUCTION.
 - PROVIDE 1" CONDUIT FROM CR TO JBOX FOR PUSH BUTTON OPEN. COORDINATE EXACT LOCATION WITH ARCHITECT.
 - PROVIDE (2) 1" CONDUITS FROM ELECTRICAL ROOM RUN ALONG FENCE LINE TO FUTURE CAR CHARGER LOCATION. SEE SHEET A002
 - PROVIDE A 1.25" CONDUIT TO FURNITURE POWER POLE LOCATION FOR TELECOMMUNICATIONS. RUN CONDUIT TO THE TELECOMMUNICATION CABINET.
 - INSTALL A NEW 100A3P BRANCH CIRCUIT BREAKER IN EMERGENCY PANEL LOCATED IN THE MEZZANINE LEVEL IT ROOM. PANEL IS A GENERAL ELECTRIC A SERIES II PANELBOARD. RUN 1.25" - 4#2(CU, THWN)+1# 8(CU, THWN) GND FROM THIS PANEL TO NEW EMERGENCY PANEL EP8.
 - EC TO SAW CUT CONCRETE AND ASPHALT AS REQUIRED. PATCH AND REPAIR ALL DAMAGE TO AS WAS CONDITION.
 - CORE WALL A REQUIRED REPAIR AND SEAL WITH EXTERIOR RATED SEALANT.

- ### GENERAL NOTES
- CONTRACTOR TO FIELD VERIFY MANUFACTURE AND SERIES OF ALL EXISTING PANELS FROM WHICH NEW BRANCH CIRCUITS ARE BEING FED FROM. REVISE PANEL DIRECTORIES TO REFLECT NEW BRANCH CIRCUITS.
 - EC TO COORDINATE EXACT CONDUIT NEEDS, ROUTING, AND LOCATION OF ALL CARD READERS PRIOR TO CONSTRUCTION.



3 CONDUIT/POWER POLE FEED
 E201 SCALE: NO SCALE

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES

WEST CAMPUS

POWER PLANS

DESIGNED BY: DS

CHECKED BY: DS

APPROVED BY: 02/01/2019

PROJECT #: 18-029

SCALE: As indicated

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGNED BY: DS

CHECKED BY: DS

APPROVED BY: 02/01/2019

PROJECT #: 18-029

DATE: Date 1

REVISIONS: ADDED FOR BIDDING

MARK: 1

DESIGNED BY: DS

CHECKED BY: DS

APPROVED BY: 02/01/2019

PROJECT #: 18-029

DATE: Date 1

REVISIONS: ADDED FOR BIDDING

MARK: 1

DRAWING NO. E201

SHEET 25 of 27

Branch Panel: EMB

Location: WORK AREA 115
 Supply From:
 Mounting:
 Enclosure:

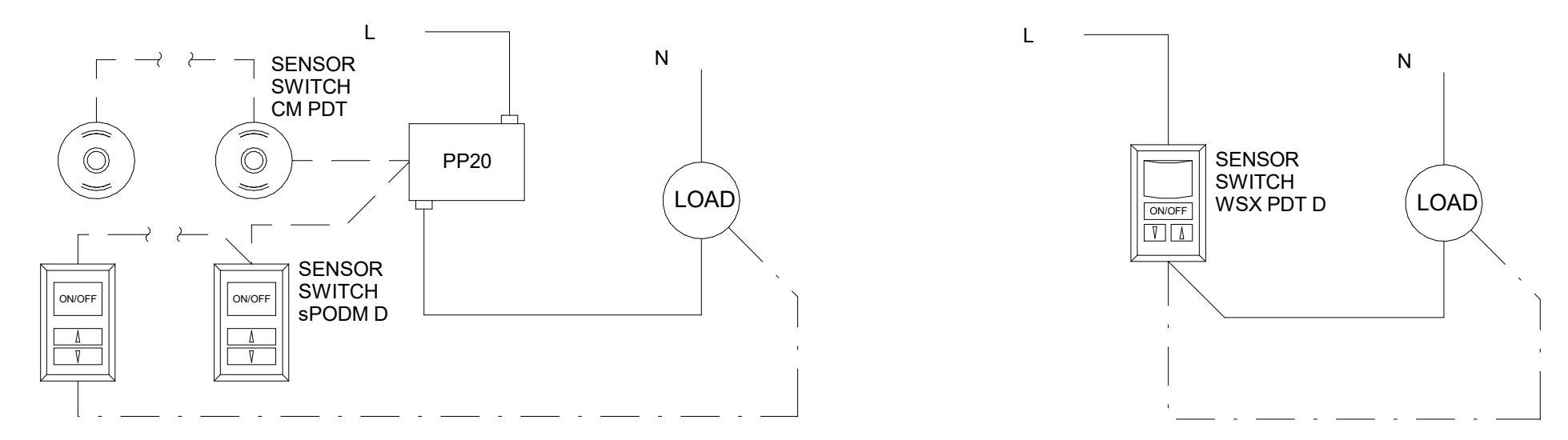
Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: 10,000
 Mains Type: MCB
 Mains Rating: 100 A
 MCB Rating:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	SPARE	20 A	1	0	0		1	20 A	SPARE	2	
3	SPARE	20 A	1		0	0	1	20 A	SPARE	4	
5	SPARE	20 A	1				1	20 A	SPARE	6	
7	SPARE	20 A	1	0	0		1	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	1	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0		1	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	1	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0		1	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	1	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0		1	20 A	SPARE	26	
27	SPARE	20 A	1		0	0	1	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	1	20 A	SPARE	30
31	SPARE	20 A	1	0	0		1	20 A	SPARE	32	
33	SPARE	20 A	1		0	0	1	20 A	SPARE	34	
35	SPARE	20 A	1			0	0	1	20 A	SPARE	36
37	SPARE	20 A	1	0	0		1	20 A	SPARE	38	
39	SPARE	20 A	1		0	0	1	20 A	SPARE	40	
41	SPARE	20 A	1			0	0	1	20 A	SPARE	42
Total Load:		0 VA		0 VA		0 VA					
Total...		0 A		0 A		0 A					

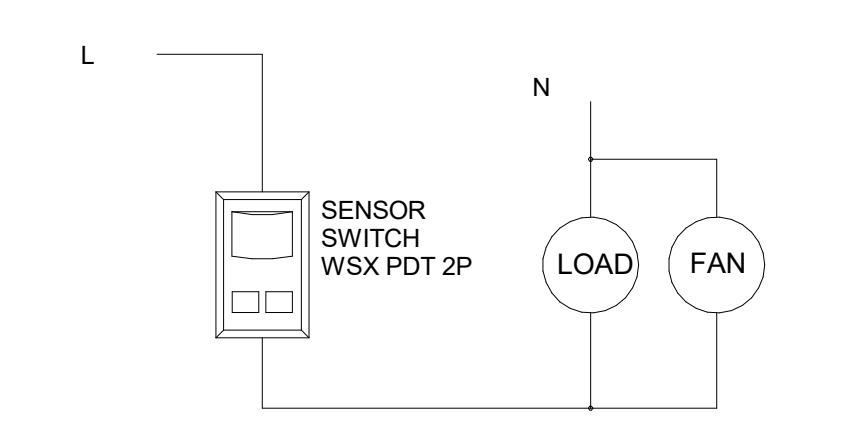
Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn.: 0 A
				Total Est. Demand: 0 A

Notes:

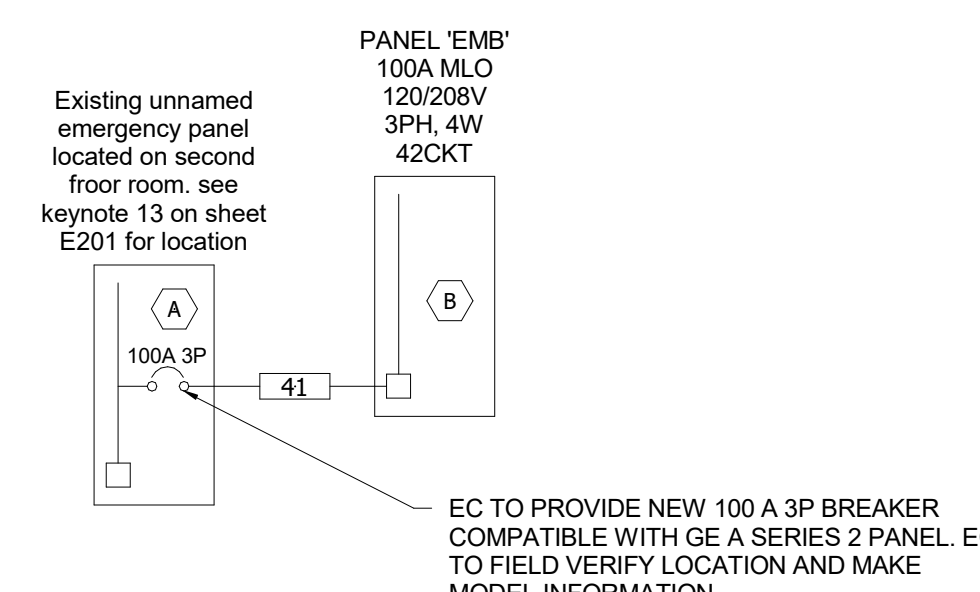


A CEILING VAC / WALL DIMMER
E501

B WALL VAC / DIMMER
E501



C WALL OCC / FAN
E501 NO SCALE



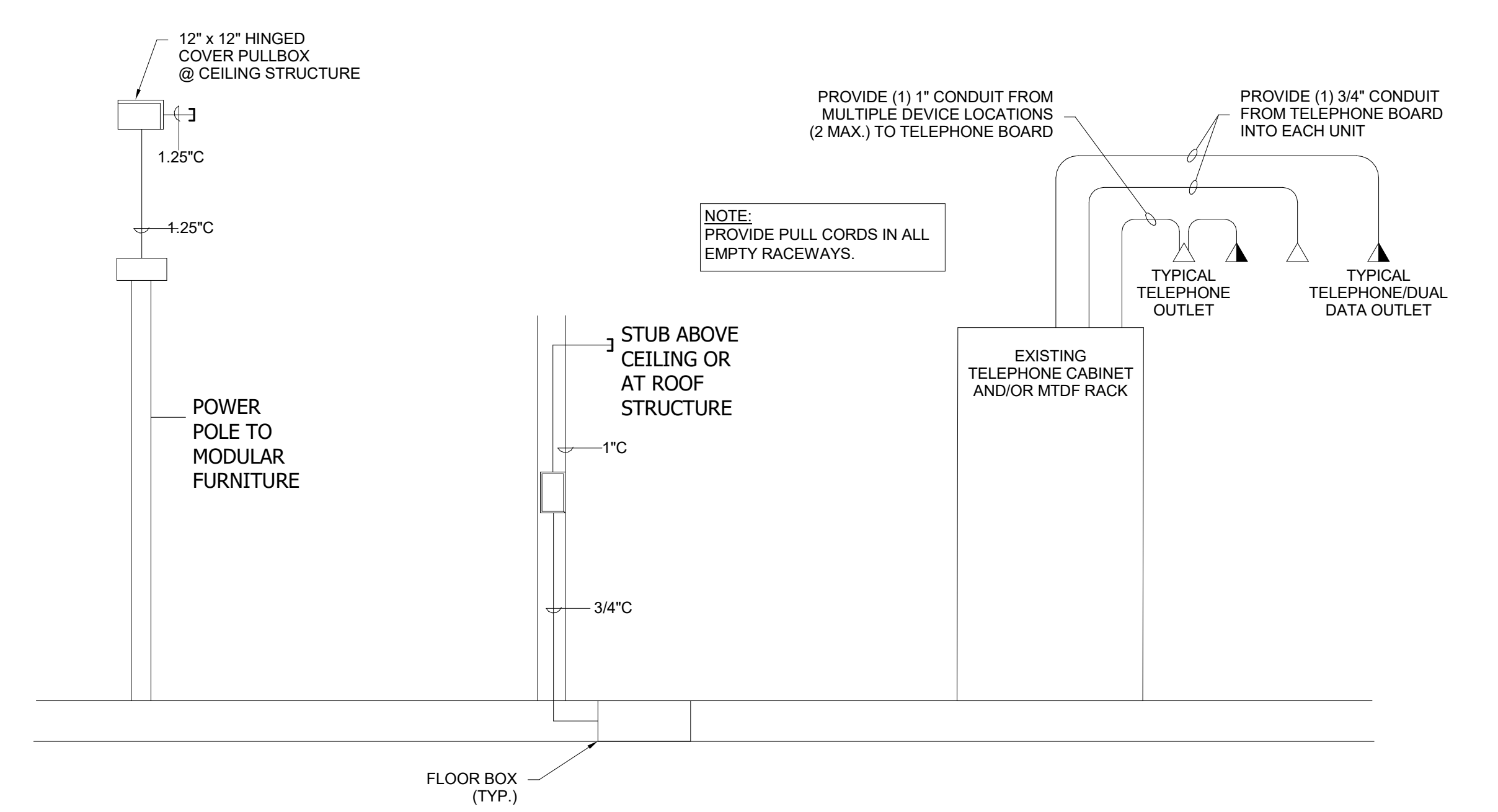
AVAILABLE FAULT CURRENTS

- A 22,000 A
- B 5,593 A

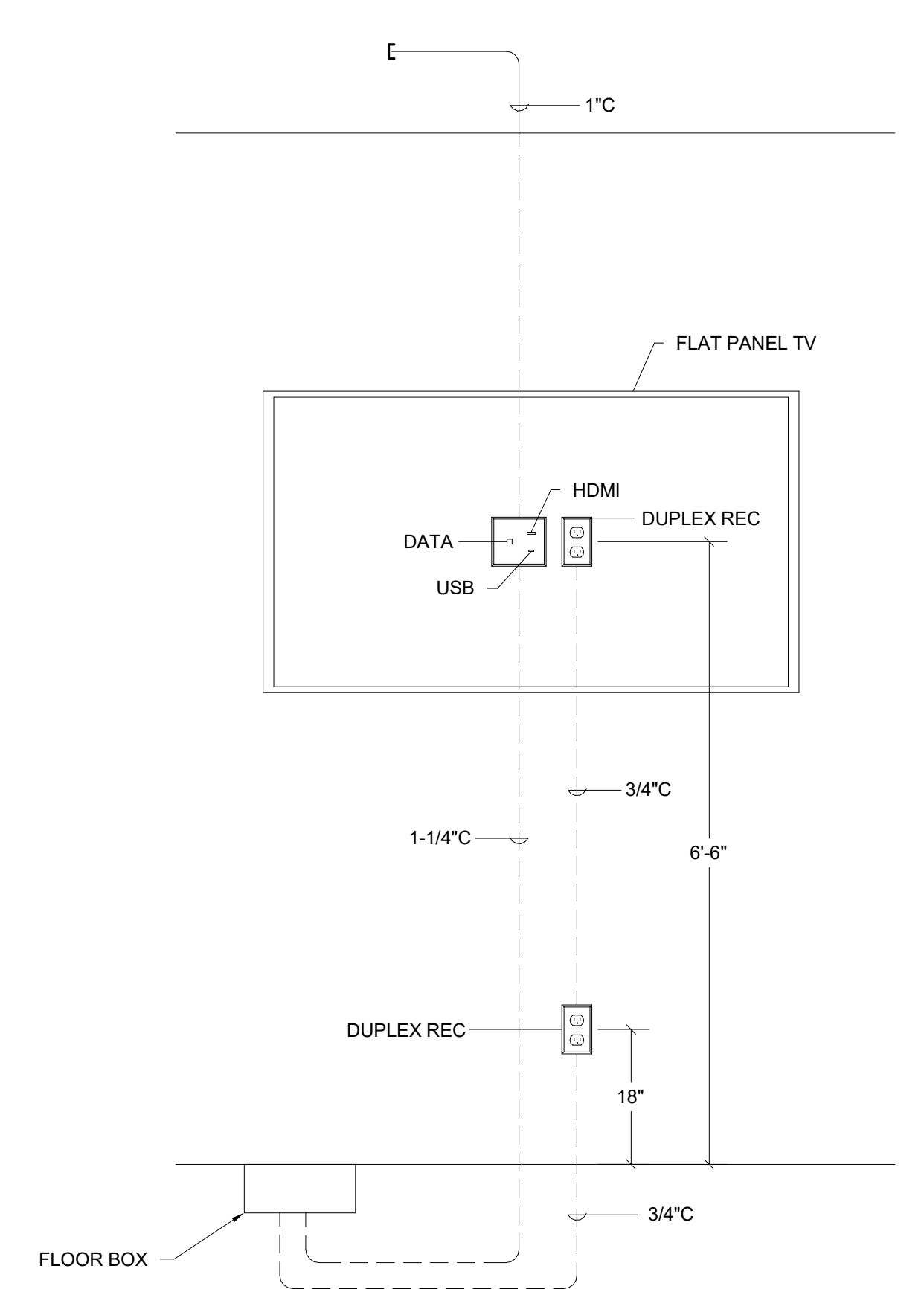
MARK	AMPS	CONDUIT	CU/AL	CONDUCTORS (TOTAL)			NOTES
				PHASE	NEUTRAL	GROUND	
41	100	2"	CU	(3) 1	1	6	1

NOTES:
 1. CONDUCTOR INSULATIONS TO BE RATED THWN-2/THHN 90°C.
 2. GROUNDING ELECTRODE CONDUCTOR TO BE BONDED TO ALL AVAILABLE GROUNDING ELECTRODES.
 3. CONTRACTOR TO PROVIDE SERVICE LATERAL CONDUIT FROM THE TRANSFORMER TO THE METER. CONDUCTORS ARE TO BE PROVIDED, INSTALLED, AND TERMINATED BY RMP.

1 Partial one-line diagram
E501 SCALE: 12" = 1'-0"



1 TYPICAL TELECOM RISER DIAGRAM
E501 NO SCALE



2 TV ROUGH-IN DETAIL
E501 NO SCALE

SCALE:
12" = 1'-0"

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

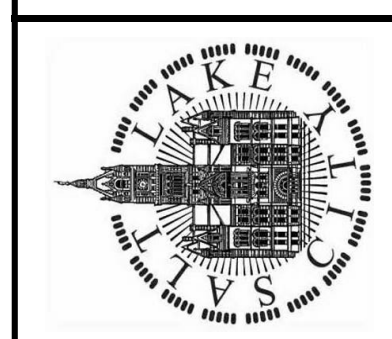
DESIGNED BY: DS
 DRAWN BY: BT
 CHECKED BY: Approver
 APPROVED BY: 02/01/2019
 ISSUED: 18-029
 PROJECT #:

WEST JORDAN, UTAH
 84088

ait

MARK	DATE	REVISIONS:	MADE BY:	AUTH BY:
1	Date 1	ADDED FOR BIDDING		

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
WEST CAMPUS
ELECTRICAL DETAILS



REGISTERED PROFESSIONAL ENGINEER
 No. 7945859-2202
 DAVID W. STEWARD
 STATE OF UTAH

DRAWING NO.
E501
 SHEET 26 of 27

EQUIPMENT SCHEDULE

Table with columns: MARK, DESCRIPTION, V, PH, KW, HP, MCA, FLA, MOCAP, CONDUIT SIZE, WIRE QTY., WIRE SIZE, GND. SIZE, NEMA SIZE, DISCONNECT SIZE/POLE, FUSE SIZE, REMARKS. Includes notes for V/PH/Hz, KW, HP, MCA, FLA, MOCAP, and REMARKS.

Branch Panel: (E) LGB

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes location (MECH 112), supply from, mounting, enclosure, and load classification table.

Branch Panel: (E) PP1

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes location (ELEC 112), supply from, mounting, enclosure, and load classification table.

Branch Panel: (E) L1

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes location (ELEC 114), supply from, mounting, enclosure, and load classification table.

Branch Panel: (E) HGB

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes location (ELEC 114), supply from, mounting, enclosure, and load classification table.

Vertical sidebar containing project information: SCALE (NO SCALE), VERIFY SCALE (1" = 1'-0"), DESIGNER (DK), CHECKED BY (DS), APPROVED BY (02/01/2019), PROJECT # (18-029), and a professional engineer seal for David W. Steward, State of Utah.