

2018 LAYTON 2ND DISTRICT COURT CLERICAL COUNTER REMODEL

425 WASATCH DR.
LAYTON, UTAH 84041

10/11/2018
CONSTRUCTION BID DOCUMENTS



STATE OF UTAH
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT
4110 State Office Building / Salt Lake City, Utah 84114 / 801.538.3018 / www.dfcm.utah.gov

DFCM PROJECT NO. 19075150

MECHANICAL ENGINEER



WHW ENGINEERING INC

8619 SOUTH SANDY PARKWAY #101 / SANDY, UTAH 84070
801466.4021 / www.whw-engineering.com

ELECTRICAL ENGINEER



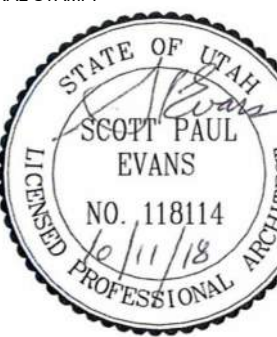
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244 WEST 300 NORTH #100 / SALT LAKE CITY, UTAH
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ASSOCIATES P.C.**
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Bountiful, Utah 84010
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PROJECT NAME:

**2018 LAYTON 2ND DISTRICT
COURT CLERICAL COUNTER
REMODEL**

425 WASATCH DR.
LAYTON, UTAH 84041

REVISIONS:

NO.	DATE	DESCRIPTION
01	10/11/18	CONSTRUCTION BID DOCUMENTS

ISSUED:

NO.	DATE	DESCRIPTION
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OWNER PROJECT #: 19075150
SPE PROJECT #: 18-26
DRAWN BY: JBE
CHECKED BY: SPE
DESIGNED BY: SPE

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SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

GI-001

12

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Last Plotted: 2/8/2019 9:02:26 AM

A1 LEVEL 01 - EGRESS PLAN
3/32" = 1'-0"

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4

5



CODE ANALYSIS

APPLICABLE CODES			
	Year		Year
International Building Code	2015	National Electrical Code	2017
International Mechanical Code	2015	Uniform Code for Building Conservation	N.A.
International Plumbing Code	2015	ADA Accessibility Guidelines	2010 ADAG
International Fire Code	2015		2009 ANSI 117.1
International Energy Conservation Code	2015		

- A. Occupancy and Group: B A-3
- Change in Use: Yes No X Mixed Occupancy: Yes No X
Special Use and Occupancy (e.g. High Rise, Covered Mall):
- B. Seismic Design Category: D Design Wind Speed: 90 mph
- C. Type of Construction (circle one):
I II III IV V
A B A B A B
- D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: 0 South: 0 East: 0 West: 0
- E. Mixed Occupancies: Nonseparated Uses: NO
- F. Sprinklers:
Required: YES Provided: YES Type of Sprinkler System: NFPA 13
- G. Number of Stories: 02 Building Height: +/- 26' - 0"
- H. Actual Area per Floor (square feet): 20,832 SF MAIN LEVEL ONLY
- I. Tabular Area: N.A.
- J. Area Modifications: N.A.
- K. Fire Resistance Rating Requirements for Building Elements (hours).

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

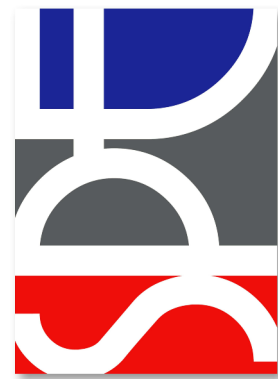
- L. Design Occupant Load: N.A.
Exit Width Required: N.A. Exit Width Provided: N.A.
- M. Minimum Number of Required Plumbing Facilities:
- a) Water Closets - Required (m) N.A. (f) N.A. Provided (m) N.A. (f) N.A.
b) Lavatories - Required (m) N.A. (f) N.A. Provided (m) N.A. (f) N.A.
c) Bath Tubs or Showers: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

- FOOTNOTES:
- 1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
- 2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
- a) High Rise Requirements.
b) Atriums.
c) Performance Based Criteria.
d) Means or Egress Analysis.
e) Fire Assembly Locator Sheet.
f) Exterior and Interior Accessibility Route.
g) Fire Stopping, Including Tested Design Number.

OCCUPANCY & EXITING LEGEND

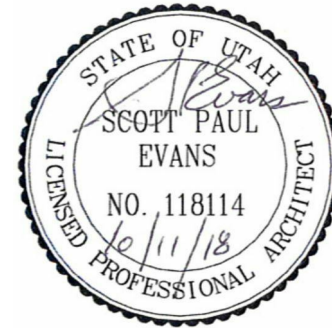
ROOM NAME
SF ### #
OF OCCUPANTS
SQUARE FOOTAGE PER OCCUPANT
SQUARE FOOTAGE OF ROOM
--- T.D. = TRAVEL DISTANCE ---
FE NEW FIRE EXTINGUISHER - SEE AE-101

ARCHITECT'S INFORMATION:



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SHEET TITLE:

**CODE
COMPLIANCE
INFORMATION**

SHEET NUMBER:

GI-003

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SCOTT PAUL EVANS
181114
10/11/18
LICENSED PROFESSIONAL ARCHITECT

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REVISIONS:

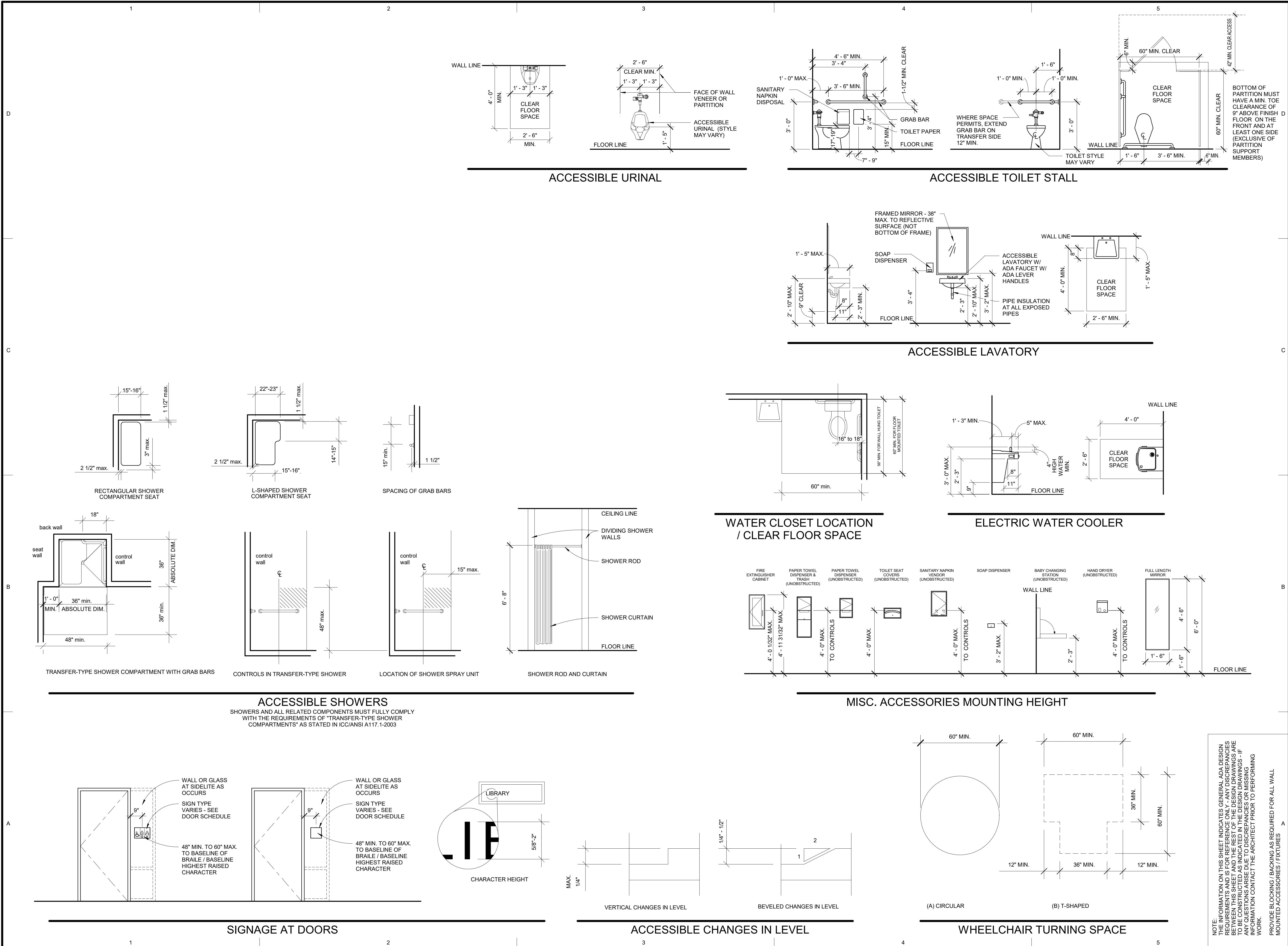
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SHEET TITLE: DFCM FORMS

SHEET NUMBER: GI-004

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LICENSED PROFESSIONAL ARCHITECT

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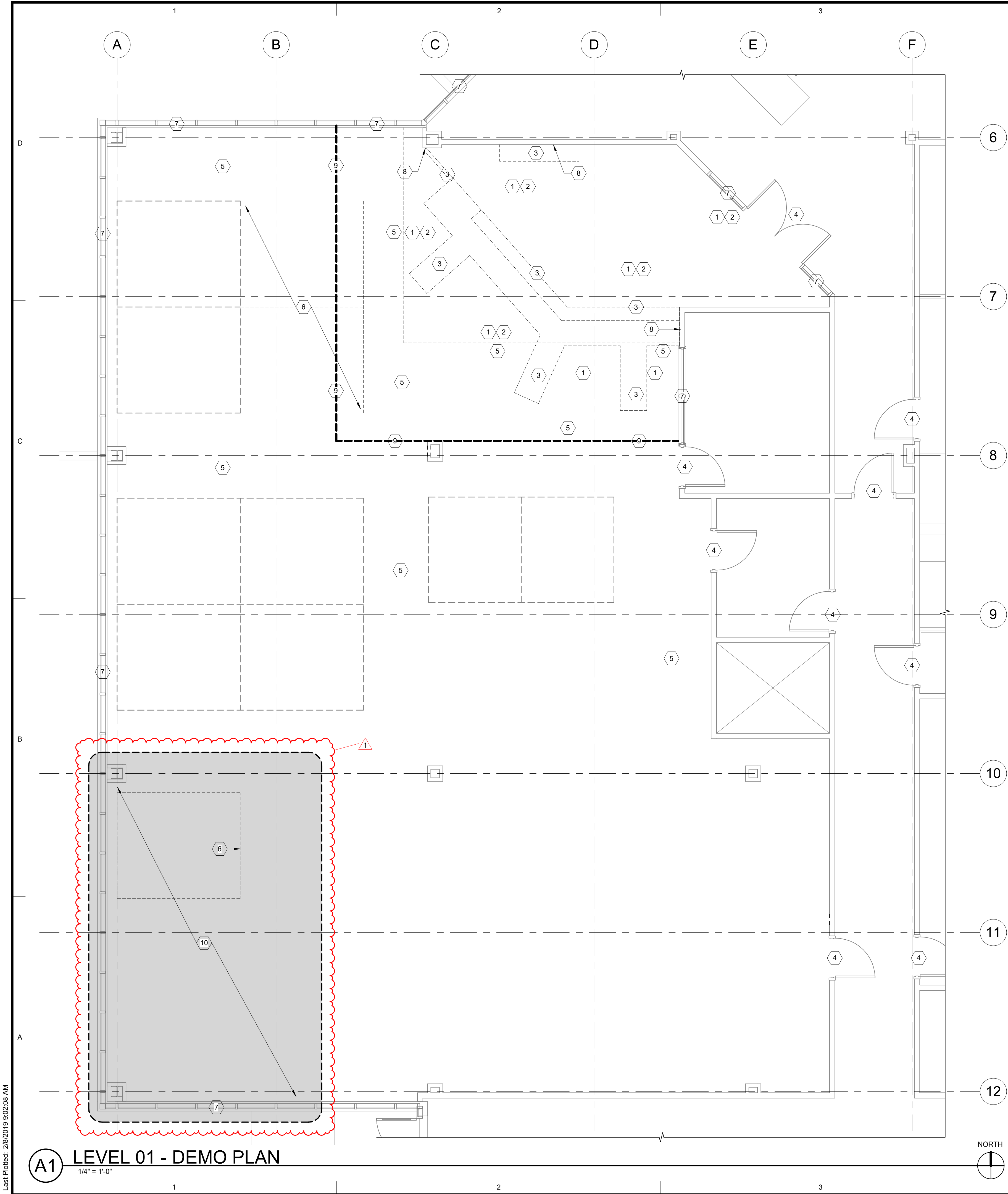
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SHEET TITLE:

ADA GENERAL REQUIREMENTS

SHEET NUMBER:

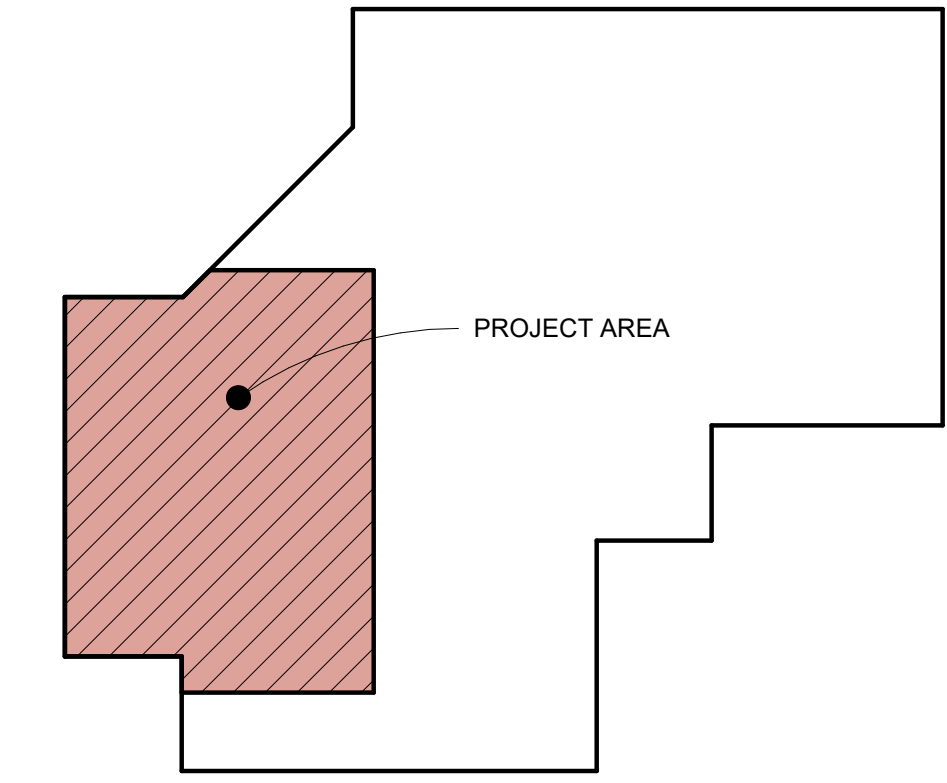
GI-005



A1 LEVEL 01 - DEMO PLAN
1/4" = 1'-0"

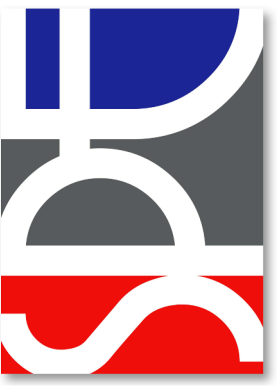
KEYED NOTES

1. REMOVE EXTG. CARPET & RUBBER WALL BASE IN THIS SPACE - REMOVE ADHESIVES AND OTHER CONTAMINANTS AS REQUIRED TO INSTALL NEW FLOORING & BASE - SEE NEW FLOOR PLANS.
2. REMOVE EXTG. CEILING SYSTEM, LIGHTS & HVAC GRILLES IN THIS AREA - REFER TO MECHANICAL & ELECTRICAL DRAWINGS - SEE AE-103.
3. REMOVE EXTG. MILLWORK & ALL RELATED MATERIALS - REFER TO ELECTRICAL & MECHANICAL DRAWINGS.
4. EXTG. DOOR TO REMAIN NO WORK - PROTECT FROM DAMAGE.
5. EXTG. CEILING / FLOORING / WALLS IN THIS ROOM ARE TO REMAIN (U.N.O.) - MODIFY AS REQUIRED TO PERFORM NEW WORK - REFER TO ALL OTHER DRAWINGS FOR ANY NEW WORK - PROTECT FROM DAMAGE DURING CONSTRUCTION.
6. THE OWNER IS TO REMOVE/RELOCATE EXTG. WORK STATIONS BEFORE CONSTRUCTION STARTS.
7. EXTG. WINDOW TO REMAIN NO WORK - PROTECT FROM DAMAGE.
8. EXTG. WALL TO REMAIN PATCH AND PREP. FOR NEW PAINT - ANY PERMANENT OBJECTS MOUNTED TO THE WALLS OR OTHER PAINTED SURFACES (I.E. FIRE EXTINGUISHER CABINETS, MILLWORK, ETC.) ARE TO BE MASKED AROUND AND PROTECTED PRIOR TO PAINTING - ANY NON PERMANENT / REMOVABLE ITEMS MOUNTED TO THE WALLS OR OTHER PAINTED SURFACES (I.E. COVER PLATES, MARKER BOARDS, TACK BOARDS, POSTERS ETC.) ARE TO BE REMOVED PRIOR TO PAINTING AND BE REINSTALLED AFTER PAINTING - EXTG. ROOM SIGNAGE AND ADHESIVES (WHERE OCCUR) ARE TO BE REMOVED - FIELD VERIFY ALL SUCH ITEMS AND COORDINATE AS REQ'D.
9. APPROXIMATE LOCATION OF NEW DUST BARRIER.
10. **BASE BID:** NO WORK - **ALTERNATE 01:** REMOVE EXTG. CARPET IN THE NEW OFFICES & UNDER THE NEW WALL LOCATIONS ONLY (SEE AE-101 FOR DIMENSIONS OF NEW WALLS - EXTG. CEILING / WALLS IN THIS AREA ARE TO REMAIN (U.N.O.) - MODIFY AS REQUIRED TO PERFORM NEW WORK - REFER TO ALL OTHER DRAWINGS FOR ANY NEW WORK - PROTECT FROM DAMAGE DURING CONSTRUCTION.



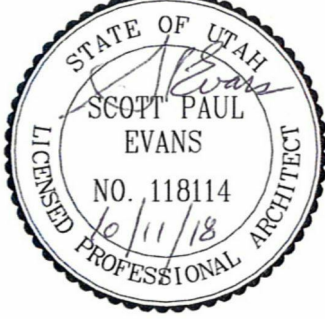
A5 KEY PLAN
1" = 40'-0"

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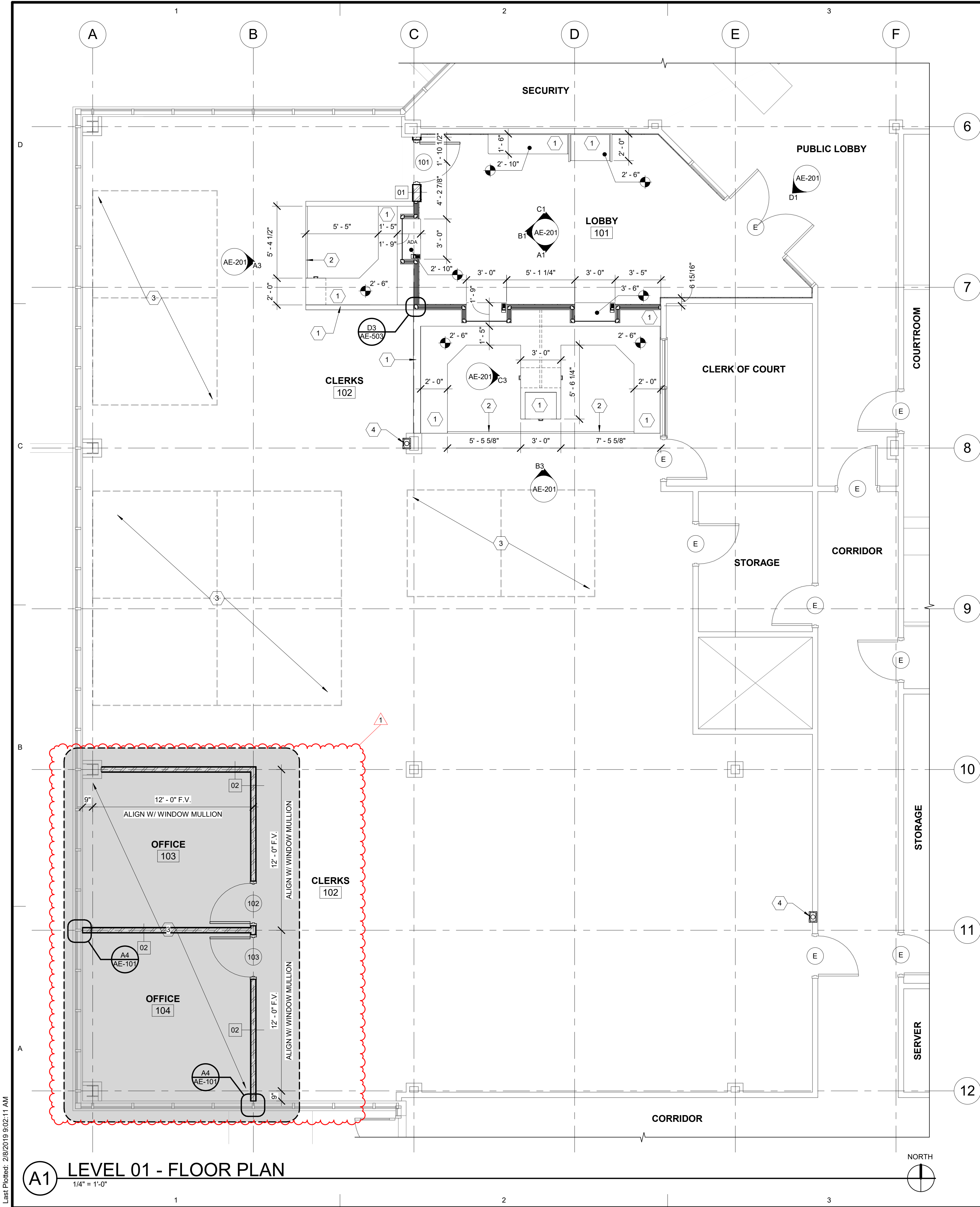
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SHEET TITLE:

**DEMOLITION
PLAN**

SHEET NUMBER:

AD-101



- #
- KEYED NOTES
1.

NEW MILLWORK - REFER TO ELEVATIONS INDICATED - SEE SPEC.
2.

THRESHOLD - BETWEEN EXTG. CARPET & LVT - SEE DETAIL D2/AE-501.
3.

EXTG. SYSTEM FURNITURE TO REMAIN.
4.

PROVIDE & INSTALL A NEW FIRE EXTINGUISHER CABINET - SEE SPEC. - REFER TO DETAIL B3/AE-503 - SEE SPEC.
5.

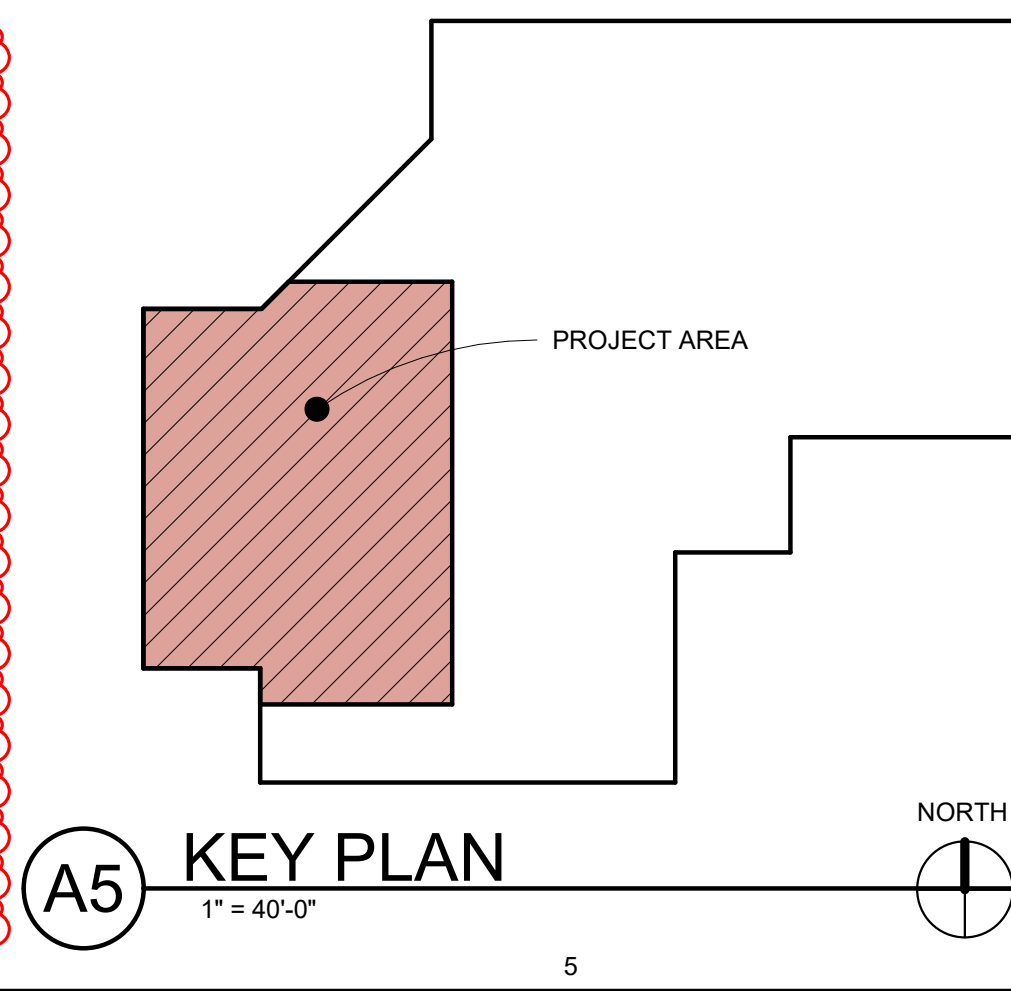
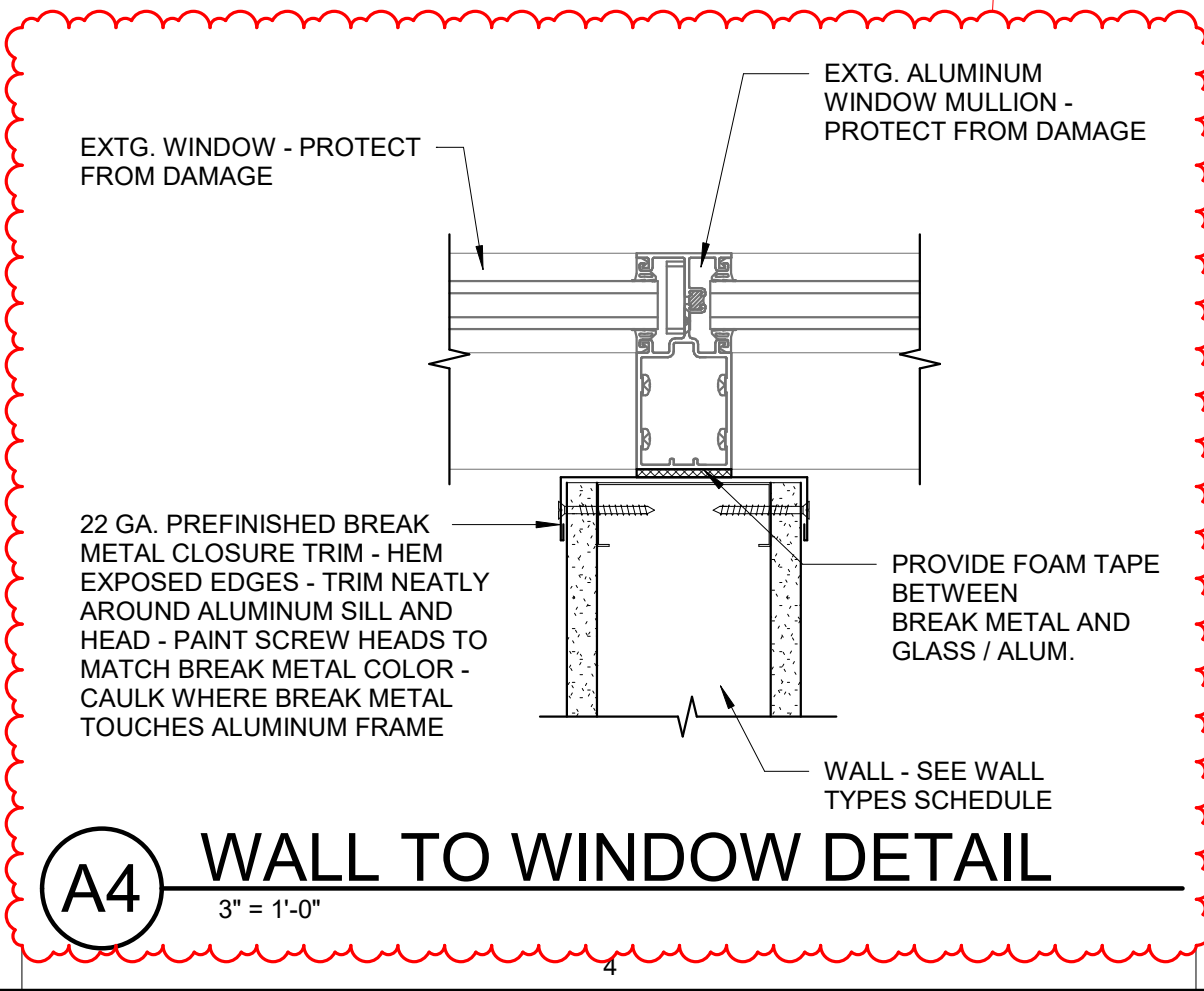
BASE BID: NO WORK - **ALTERNATE 01:** CONSTRUCT NEW OFFICES AS SHOWN - REFER ELECTRICAL & MECHANICAL DRAWINGS FOR ANY NEW WORK - PROTECT FROM DAMAGE DURING CONSTRUCTION.

MARK

WALL TYPES LEGEND

DESIGNATION	DESCRIPTION	SOUND RATING	FIRE RATING	WIDTH
01	6" 20 ga. g.i. metal studs at 16" o.c. with 5/8" gyp. bd. both sides - run wall 6" above ceiling as required - refer to detail D1/AE-501	None	None	7 1/4"
02	3-5/8" 20 ga. g.i. metal studs at 16" o.c. with 5/8" gyp. bd. both sides provide 3" sound batt - run wall 6" above extg. ceiling system modify as required - refer to detail D1/AE-501	None	None	4 7/8"

- IMPORTANT WALL TYPE NOTES
- (COORDINATE AS REQUIRED)
- THE WALL TYPES LEGEND DESCRIBES THE "CORE" WALL TYPE / MATERIALS / WIDTHS ONLY - UNLESS NOTED OTHERWISE. FINISHES SUCH AS PAINT, CERAMIC TILE (THICK & THIN SET), SEALERS ETC. ARE NOT INCLUDED IN THE WALL TYPE DESCRIPTION AND ARE INDICATED IN THE FINISH SCHEDULE - COORDINATE AS REQUIRED.
- ALL NON-STRUCTURAL AND NON-SOUND RATED INTERIOR PARTITIONS AND FURRED WALLS ARE TO (UNLESS NOTED OTHERWISE) RUN TO 6" MIN. ABOVE THE CEILING AND BE BRACED TO THE STRUCTURE AT 4'-0" O.C.
- ALL SOUND / FIRE RATED WALLS ARE TO BE RUN UP TO THE DECK / STRUCTURE ABOVE WITH A SLIP JOINT AT HEAD OF WALL AND HAVE ALL GAPS SEALED WITH AN ACOUSTICAL / FIRE RATED SEALANT.
- CAREFULLY COORDINATE ALL WALL TYPES WITH THE BUILDING / WALL SECTIONS AS WELL AS ALL REFERENCED ENLARGED DETAILS FOR FURTHER AND MORE DETAILED INFORMATION
- NOTE THAT ALL PARTITIONS / WALLS IN ROOMS WHERE NO CEILINGS OCCUR, ARE TO BE RUN UP TO THE DECK / STRUCTURE ABOVE AND BE FULLY FINISHED WHERE WALL SURFACES ARE VISIBLE - ALSO NOTE THAT WALL TYPE SYMBOLS (ON PLAN) THAT HAVE AN ASTERISK NEAR THEM ARE WALLS THAT ARE REQUIRED TO HAVE THE WALL CONSTRUCTION RUN FULL HEIGHT, TO THE DECK ABOVE - COORDINATE AS REQUIRED.



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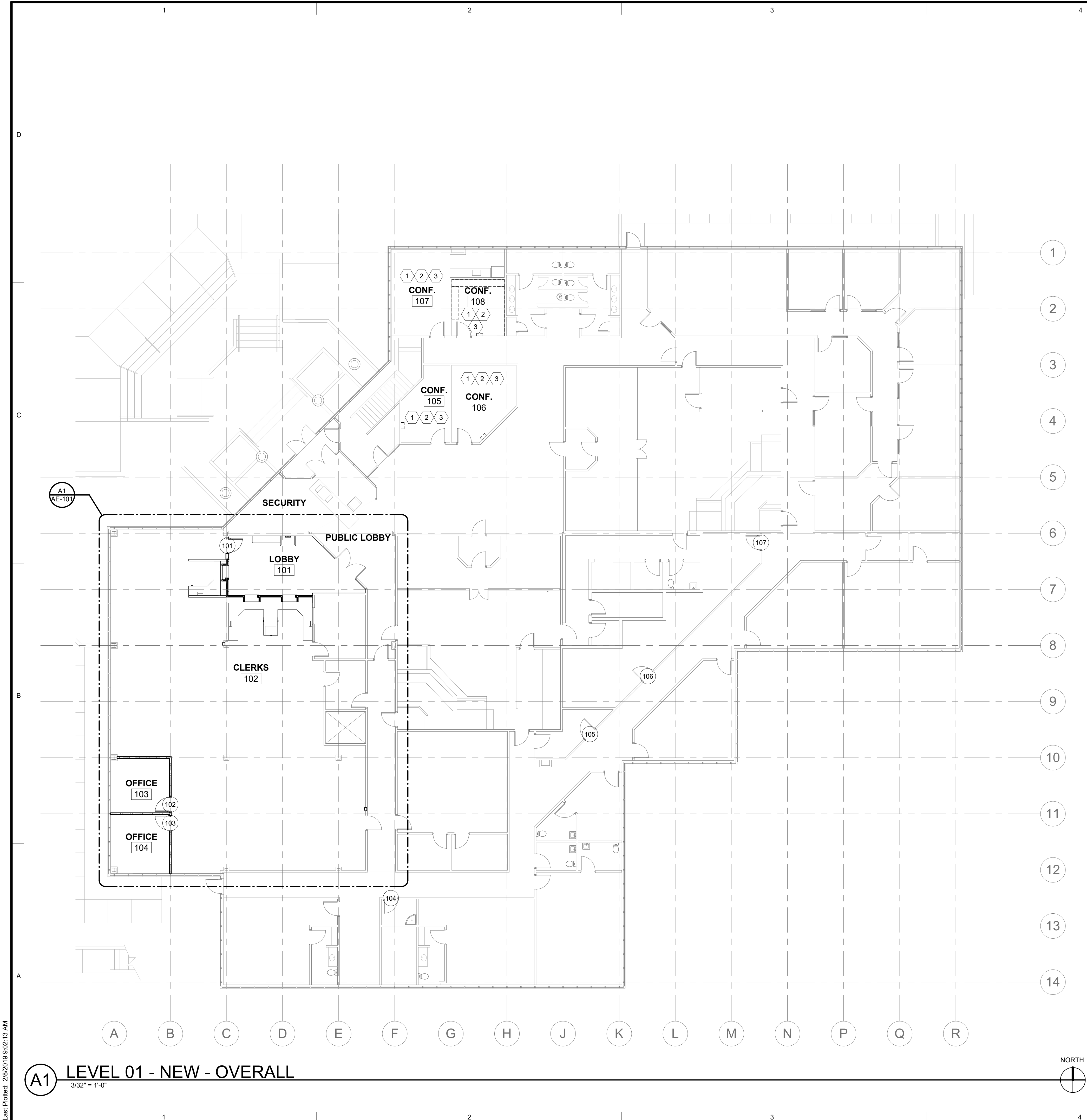
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19075150
18-26
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SHEET TITLE:
FLOOR PLAN

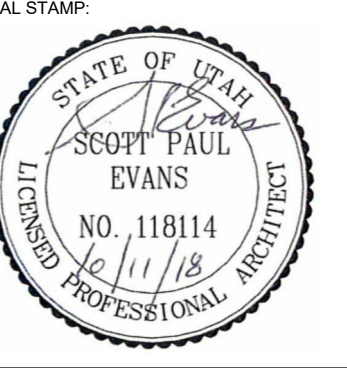
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AE-101



- ### KEYED NOTES
1. REMOVE EXTG. RUBBER BASE.
 2. REMOVE EXTG. MILLWORK SHOWN DASHED.
 3. PATCH & PAINT ALL EXTG. GYP. BD. WALLS (INCLUDING ABOVE & BELOW EXTG. WINDOWS WHERE OCCURS) - SEE FINISH SCHEDULE & SPEC.

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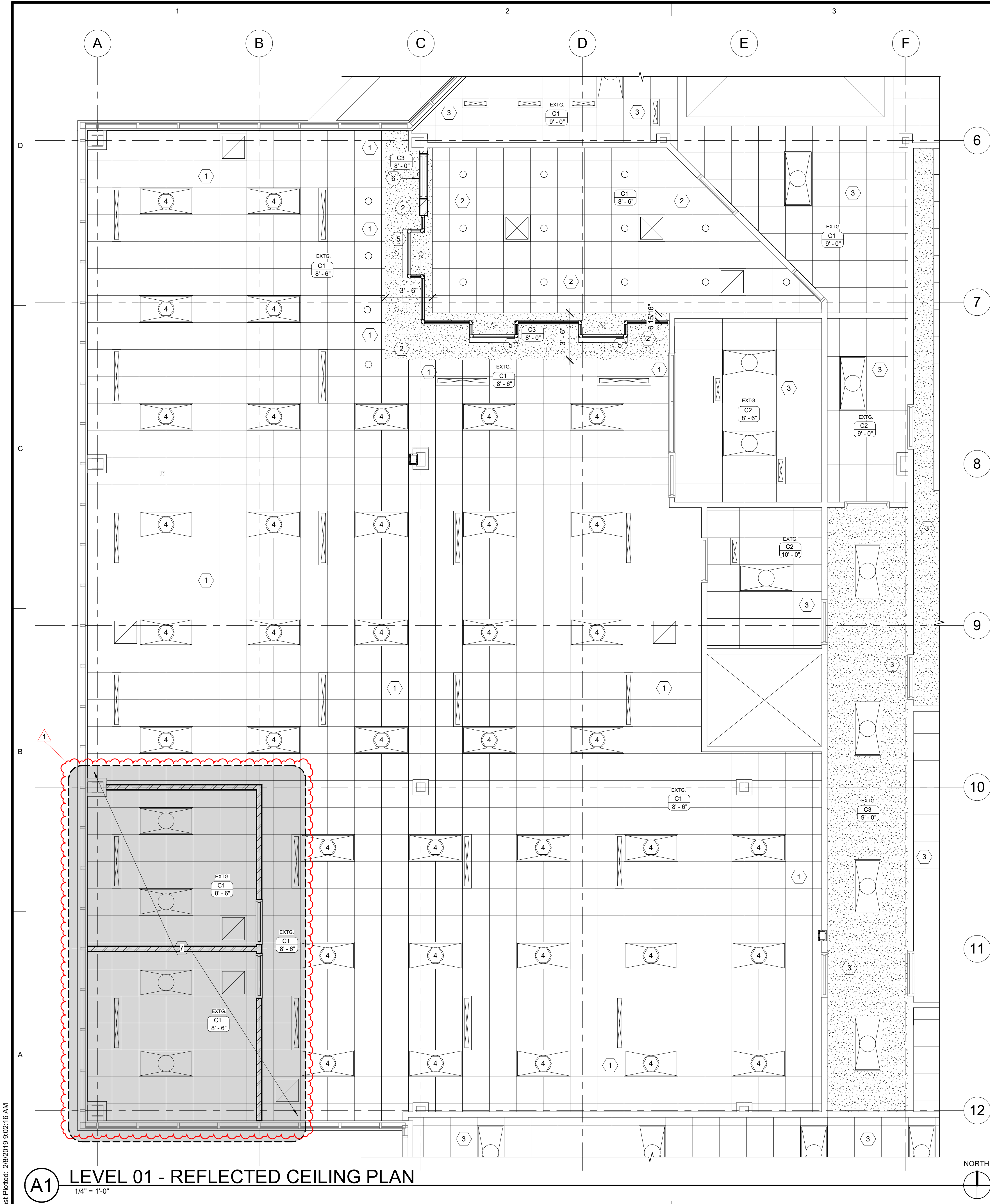
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SHEET TITLE:
**OVERALL FLOOR
PLAN**

SHEET NUMBER:
AE-102

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A1 LEVEL 01 - NEW - OVERALL
3/32" = 1'-0"

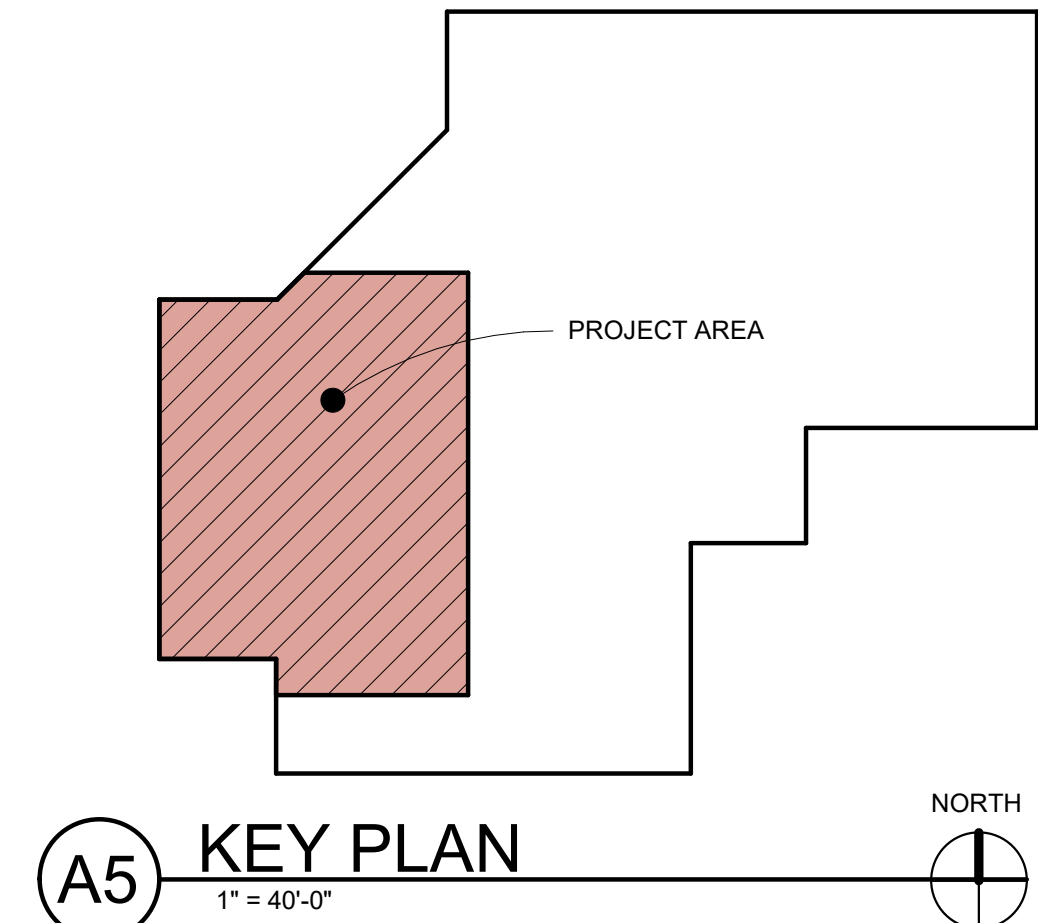


A1 LEVEL 01 - REFLECTED CEILING PLAN
1/4" = 1'-0"

- ### KEYED NOTES
- EXTG. CEILING, LIGHT FIXTURES AND HVAC SYSTEM IN THIS SPACE TO REMAIN (U.N.O.) - MODIFY AS REQUIRED TO PERFORM NEW WORK REFER TO ELECTRICAL & MECHANICAL DRAWINGS - PROTECT FROM DAMAGE DURING CONSTRUCTION.
 - NEW CEILING, LIGHT FIXTURES AND HVAC SYSTEM COMPONENTS IN THIS SPACE - COORDINATE WITH WALL TYPES LEGEND AS WELL AS WITH MECHANICAL AND ELECTRICAL DRAWINGS - REFER TO CEILING DETAILS ON AE-501.
 - EXTG. CEILING, LIGHT FIXTURES AND HVAC SYSTEM IN THIS SPACE TO REMAIN NO WORK.
 - ALTERNATE #02** - REMOVE & REPLACE EXTG. LIGHT FIXTURE & PROVIDE NEW RETURN AIR GRILLES - REFER TO ELECTRICAL & MECHANICAL DRAWINGS.
 - CEILING MOUNTED MANUAL FABRIC ROLLER SHADE - REFER TO ELEVATIONS - SEE SPEC. - PROVIDE BLOCKING IN CEILING AS REQUIRED.
 - NEW EXIT SIGN - REFER TO ELECTRICAL DRAWINGS.
 - BASE BID:** NO WORK - **ALTERNATE 01:** EXTG. LAY-IN CEILING TILES & GRID TO REMAIN - MODIFY / REPLACE CEILING TILES AS REQUIRED TO BUILD NEW WALLS - REMOVE & REPLACE EXTG. LIGHT FIXTURES - REFER ELECTRICAL & MECHANICAL DRAWINGS FOR ANY NEW WORK - PROTECT FROM DAMAGE DURING CONSTRUCTION.

- ### CEILING SYMBOLS
- RECESSED CAN LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS - CENTER ALL FIXTURES IN CEILING TILE A SHOWN
 - 2x4 TROFFER LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
 - SUPPLY AIR DIFFUSER - SEE MECHANICAL DRAWINGS
 - RETURN AIR DIFFUSER - SEE MECHANICAL DRAWINGS

- ### CEILING TYPE LEGEND
- | WHERE APPLIES - SEE PLAN | EXTG. TYPE C1
HEIGHT SEE PLAN | DESCRIPTION |
|--------------------------|----------------------------------|--|
| | | 2'x2' SUSPENDED ACOUSTICAL LAY-IN PANEL CEILING SYSTEM (TEGULAR EDGES) - SEE SPEC. |
| | | 2'x4' SUSPENDED ACOUSTICAL LAY-IN PANEL CEILING SYSTEM (TEGULAR EDGES) - SEE SPEC. |
| | | 5/8" TYPE "X" GYP. ON SUSPENSION SYSTEM - SEE SPEC. - PAINT |



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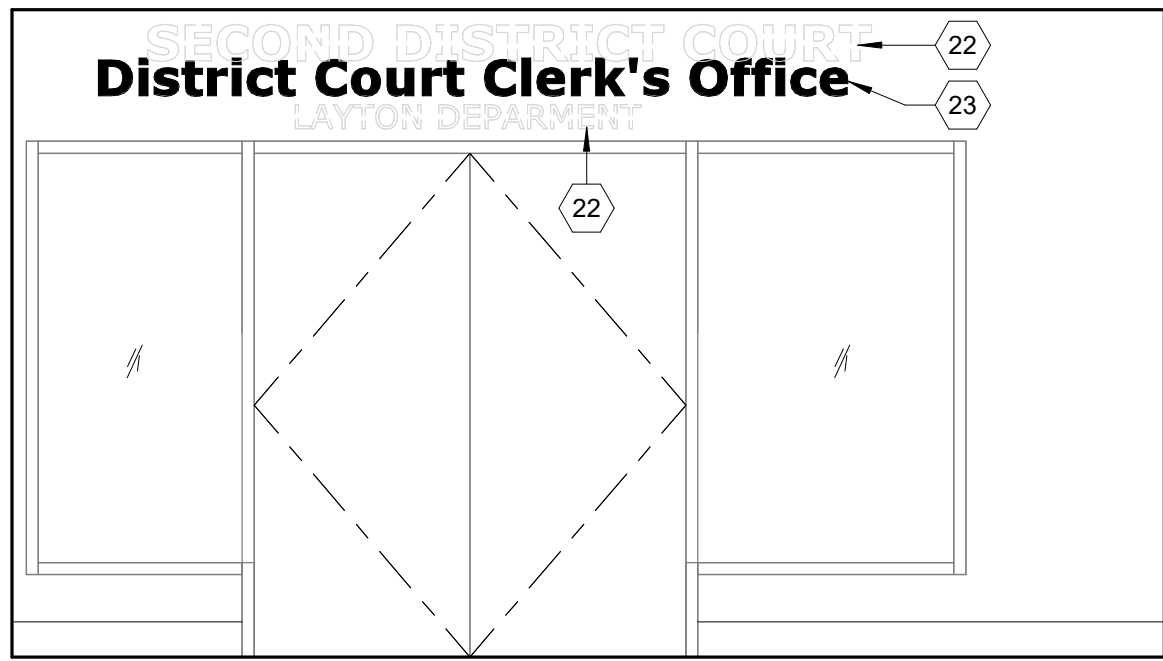
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REFLECTED CEILING PLAN

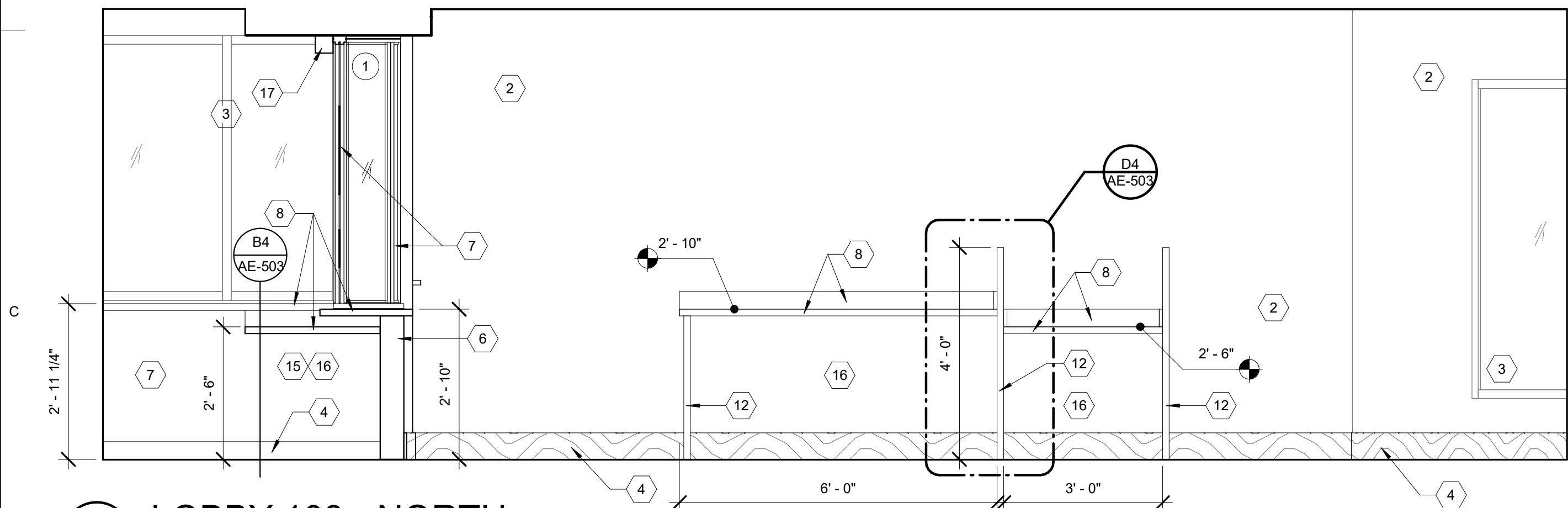
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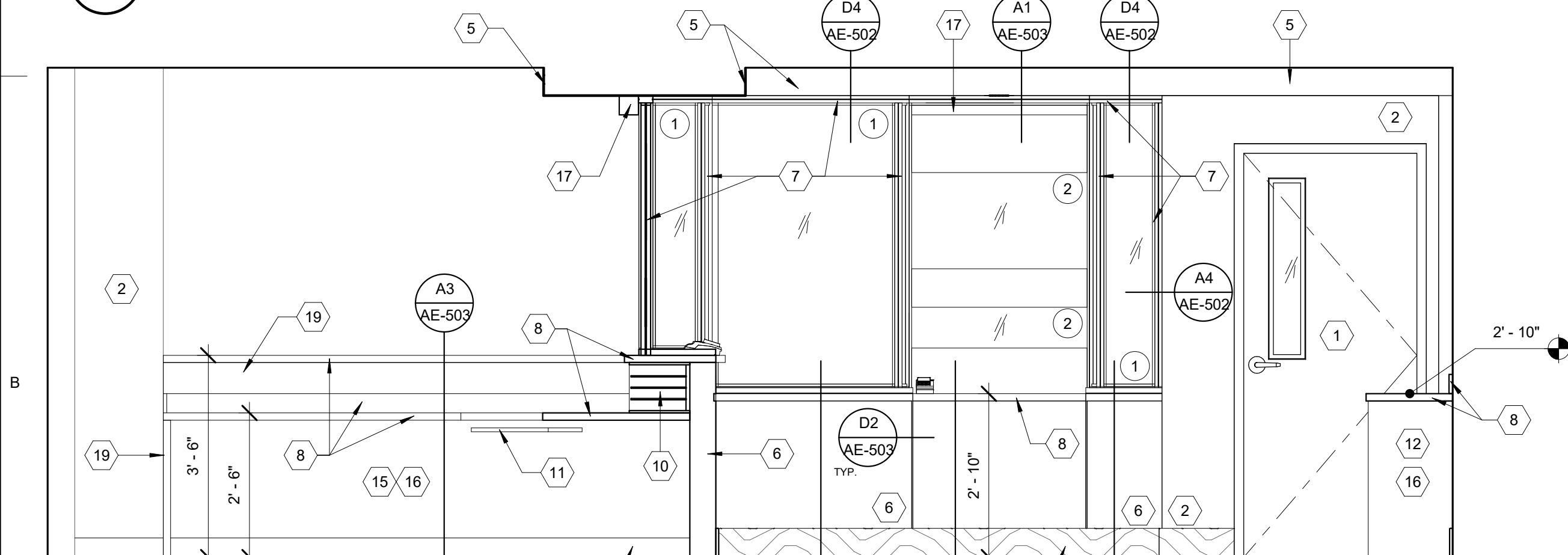
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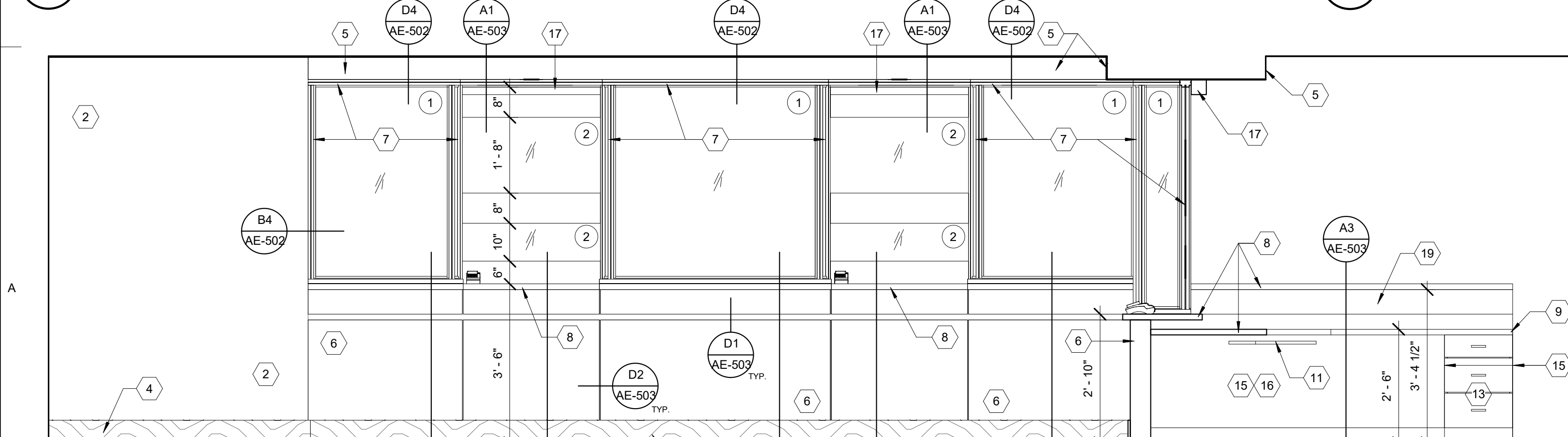
D1 PUBLIC LOBBY - SOUTHWEST
3/8" = 1'-0"



C1 LOBBY 103 - NORTH
1/2" = 1'-0"



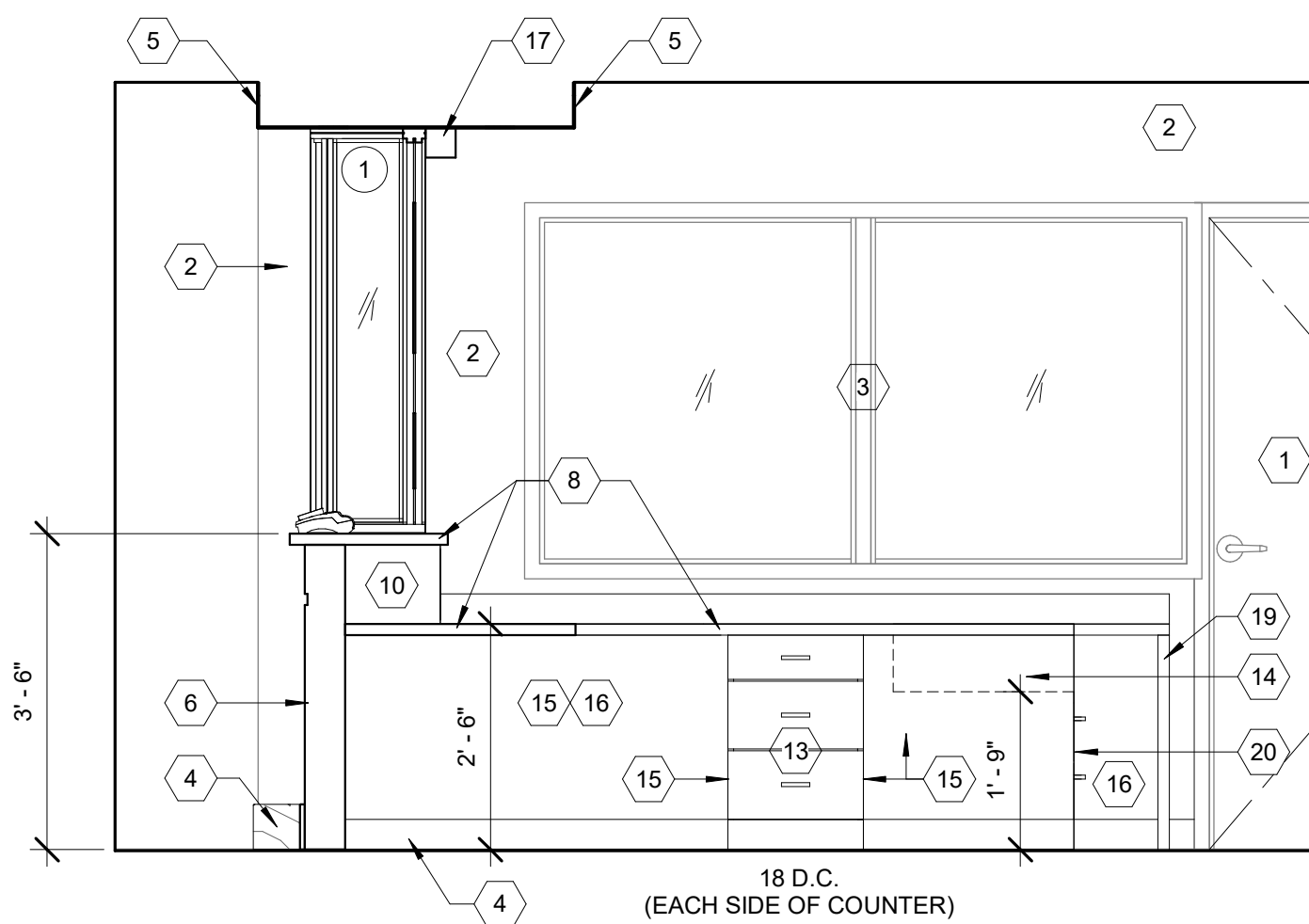
B1 LOBBY 103 - WEST
1/2" = 1'-0"



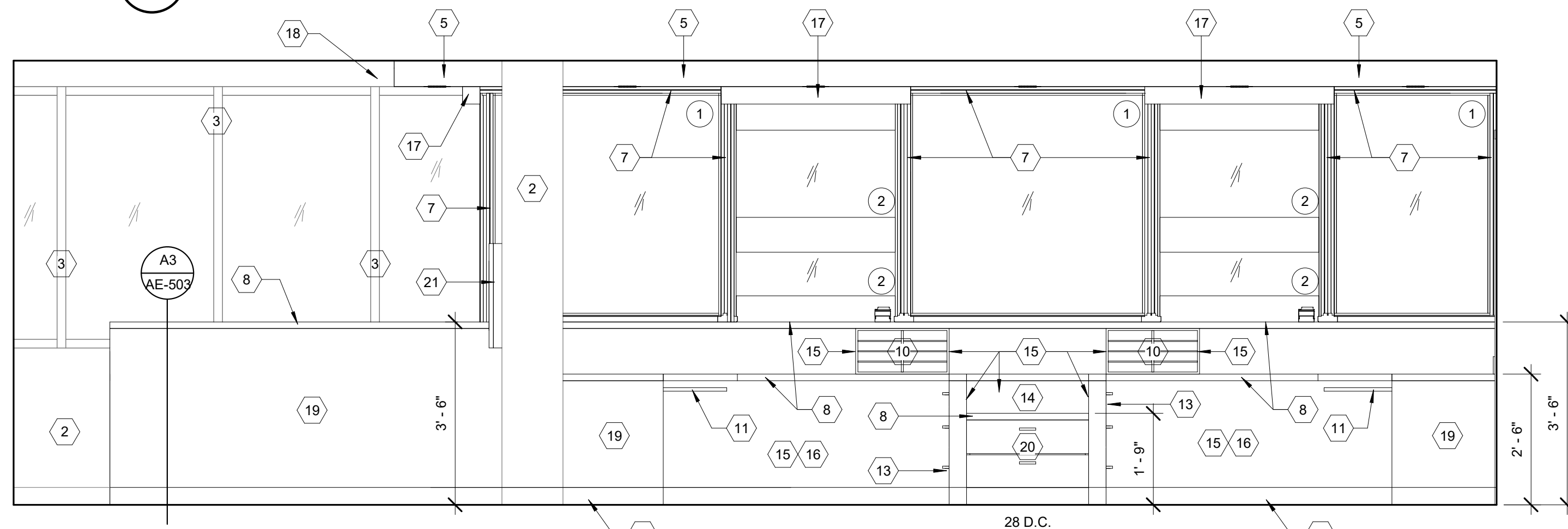
A1 LOBBY 103 - SOUTH
1/2" = 1'-0"

GLASS SCHEDULE

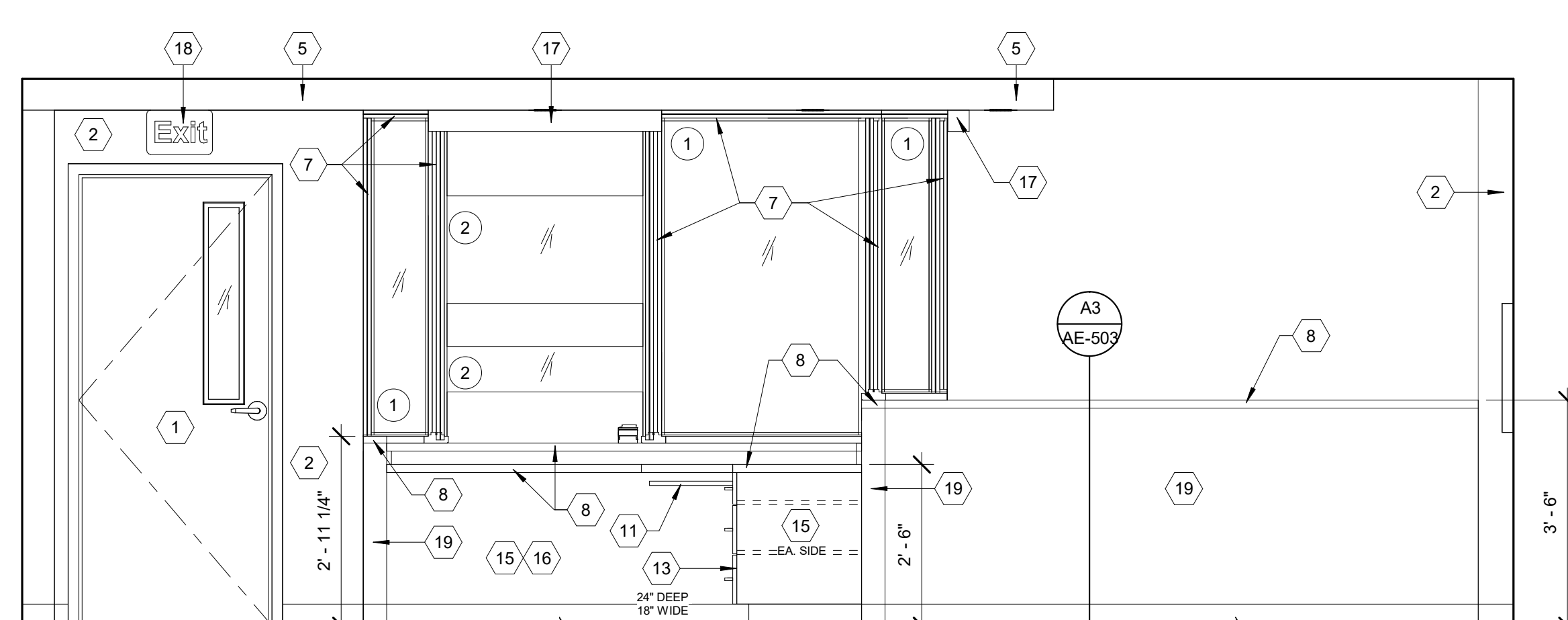
TYPE 1:	1/4" CLEAR FLOAT GLASS TEMPERED
TYPE 2:	1/4" CLEAR FLOAT GLASS TEMPERED WITH POLISHED EXPOSED EDGES (SEE INTERIOR ELEVATIONS ON SHEET AE-201)



C3 CLERKS 104 - EAST
1/2" = 1'-0"



B3 CLERKS 104 - NORTH
1/2" = 1'-0"



A3 CLERKS 104 - EAST
1/2" = 1'-0"

KEYED NOTES

- DOOR - SEE PLAN & SEE DOOR SCHEDULE.
- WALL - SEE PLAN FOR WALL TYPE.
- EXTG. WINDOW - SEE PLAN.
- WALL BASE - SEE FINISH SCHEDULE - SEE SPEC.
- NEW DROP DOWN CEILING - REFER TO AE-103.
- HARDWOOD VENEER SURFACE WITH REVEALS AS SHOWN - REFER TO DETAILS INDICATED.
- NEW MILLWORK WINDOW SYSTEM - REFER TO DETAILS INDICATED - SEE SPEC.
- SOLID SURFACE COUNTERTOP WITH 4" HIGH BACKSPASH COUNTERTOP TO HAVE DOUBLED BULLNOZZED EDGES & ENDS - PROVIDE SUPPORT BRACES AND GROMMETS WHERE REQ'D. (COORDINATE FINAL LOCATIONS WITH OWNER) - SEE SPEC.
- EASE OUTSIDE HORIZONTAL CORNERS OF COUNTERTOPS TYPICAL.
- 1" PARTICLE BOARD VERTICAL DIVIDER WITH PLASTIC LAMINATE SURFACING TYP - 1/4" TEMPERED MASONITE DIVIDERS WITH EASED EDGES REFER TO DETAILS INDICATED.
- RETRACEABLE KEYBOARD TRAY 24" WIDE MIN. - COORDINATE WITH OWNER.
- (2) LAYERS 3/4" HARDWOOD VENEERED OVER PARTICLE BOARD.
- 16" DEEP U.N.O. (CLEAR INSIDE DIM) PLASTIC LAMINATE DRAWER CABINET - PROVIDE FULL EXTENSION HARDWARE - THE TOP "CASH DRAWER" HEIGHT IS TO BE 3" MIN. CLEAR W/ A LOCK - THE BOTTOM (2) DRAWERS ARE TO BE EQUAL IN HEIGHT NO LOCKS REQUIRED - SEE SPEC.
- SPACE FOR PRINTER (NIC) - REFER TO ELECTRICAL DRAWINGS.
- FINISHED END.
- KNEE SPACE.
- CEILING MOUNTED MANUAL FABRIC ROLLER SHADE - REFER TO ELEVATIONS - SEE SPEC. - PROVIDE BLOCKING IN CEILING AS REQUIRED.
- NEW EXIT SIGN - REFER TO ELECTRICAL DRAWINGS.
- NEW MILLWORK WALL - REFER TO DETAILS INDICATED - SEE PLAN - SEE SPEC.
- 24" DEEP PLASTIC LAMINATE DRAWER CABINET - PROVIDE FULL EXTENSION HARDWARE - SEE SPEC.
- PROVIDE & INSTALL A NEW FIRE EXTINGUISHER CABINET - SEE SPEC. - REFER TO DETAIL B3/AE-503 - SEE SPEC.
- REMOVE EXTG. INDIVIDUALS ALUMINUM LETTERS - PATCH & PAINT ENTIRE WALL AS REQUIRED.
- PROVIDE & INSTALL NEW 6" HIGH (VERDANA BOLD FONT) INDIVIDUALS ALUMINUM LETTERS - CENTER ON DOOR - SEE SPEC.

ARCHITECT'S INFORMATION:



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PROFESSIONAL STAMP:



CODE OFFICIAL STAMP:



PROJECT NAME:

**2018 LAYTON 2ND DISTRICT
COURT CLERICAL COUNTER
REMODEL**

425 WASATCH DR.
LAYTON, UTAH 84041

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/06/19	Owner Requested Changes

ISSUED:

NO.	DATE	DESCRIPTION
01	10/11/18	CONSTRUCTION BID DOCUMENTS

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SPE PROJECT #: 19-26
DRAWN BY: JBE
CHECKED BY: SPE
DESIGNED BY: SPE

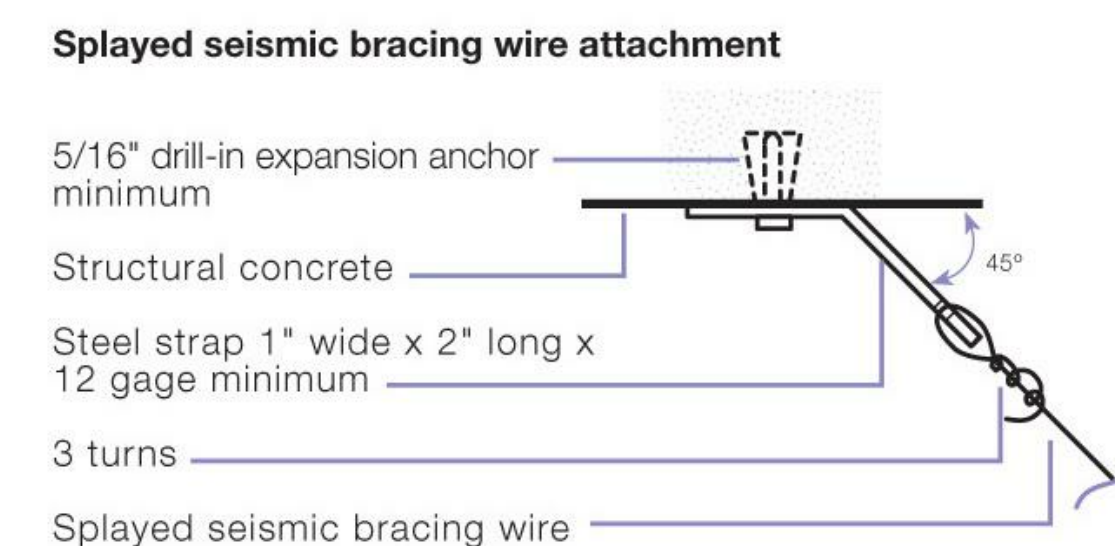
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SHEET TITLE:

**INTERIOR
ELEVATIONS**

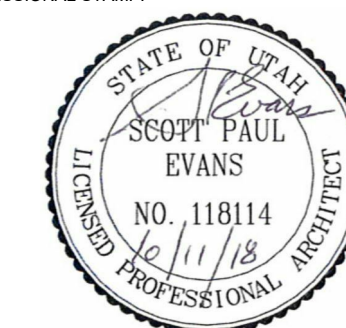
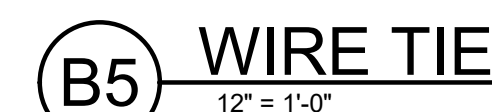
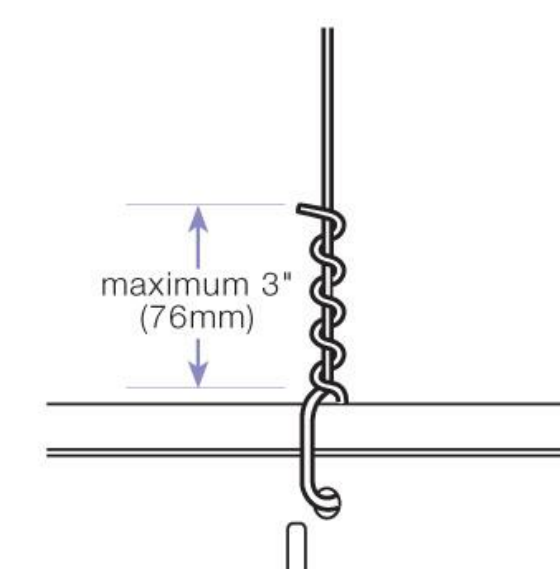
SHEET NUMBER:

AE-201



1. BRACING WIRES SECURED TO MAIN RUNNERS WITHIN 2" OF THE CROSS RUNNER INTERSECTION AND SPAYLED 90° FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING.
2. FOR ROOMS WITH SPAN IN EITHER DIRECTION LESS THAN 25', MAIN RUNNERS AND CROSS RUNNERS MAY BE ATTACHED TO THE PERIMETER OF TWO ADJACENT WALLS WITH 3/8" CLEARANCE BETWEEN THE RUNNERS AND THE OTHER TWO WALLS. THERE SHALL BE NO CEILING SYSTEM BETWEEN PERIMETER WALLS EXCEED 25' IN BOTH DIRECTIONS. A MINIMUM WALL ANGLE SIZE OF ATLEAST 2" HORIZONTAL LEG SHALL BE USED AT PERIMETER WALLS AND INTERIOR FULL HEIGHT PARTITION. THE FIRST TILE SHALL BE 3/4" CLEAR FROM WALL SURFACE.
3. WHEN THE DISTANCE BETWEEN THE STRUCTURAL DECK AND THE CEILING EXCEEDS 4', THE SPACING OF THE VERTICAL HANGERS SHALL NOT EXCEED 2' O.C. ALONG THE ENTIRE LENGTH OF THE MEANS OF EGRESS SERVING AN OCCUPANT LOAD OF 30 OR MORE, AND AT LOBBIES ACCESSORY TO GROUP A OCCUPANCIES.


A1 **TYP. SUSPENDED CEILING & LATERAL SUPPORT**
12" = 1'-0"



PROJECT NAME:

2018 LAYTON 2ND DISTRICT
COURT CLERICAL COUNTER
REMODEL

425 WASATCH DR.
 AYTON UTAH 84041

REVISIONS:			
NO.	DATE	DESCRIPTION	
1	02/06/19	Owner Requested Changes	

ISSUED:		
NO.	DATE	DESCRIPTION
01	10/11/18	CONSTRUCTION BID DOCUMENTS

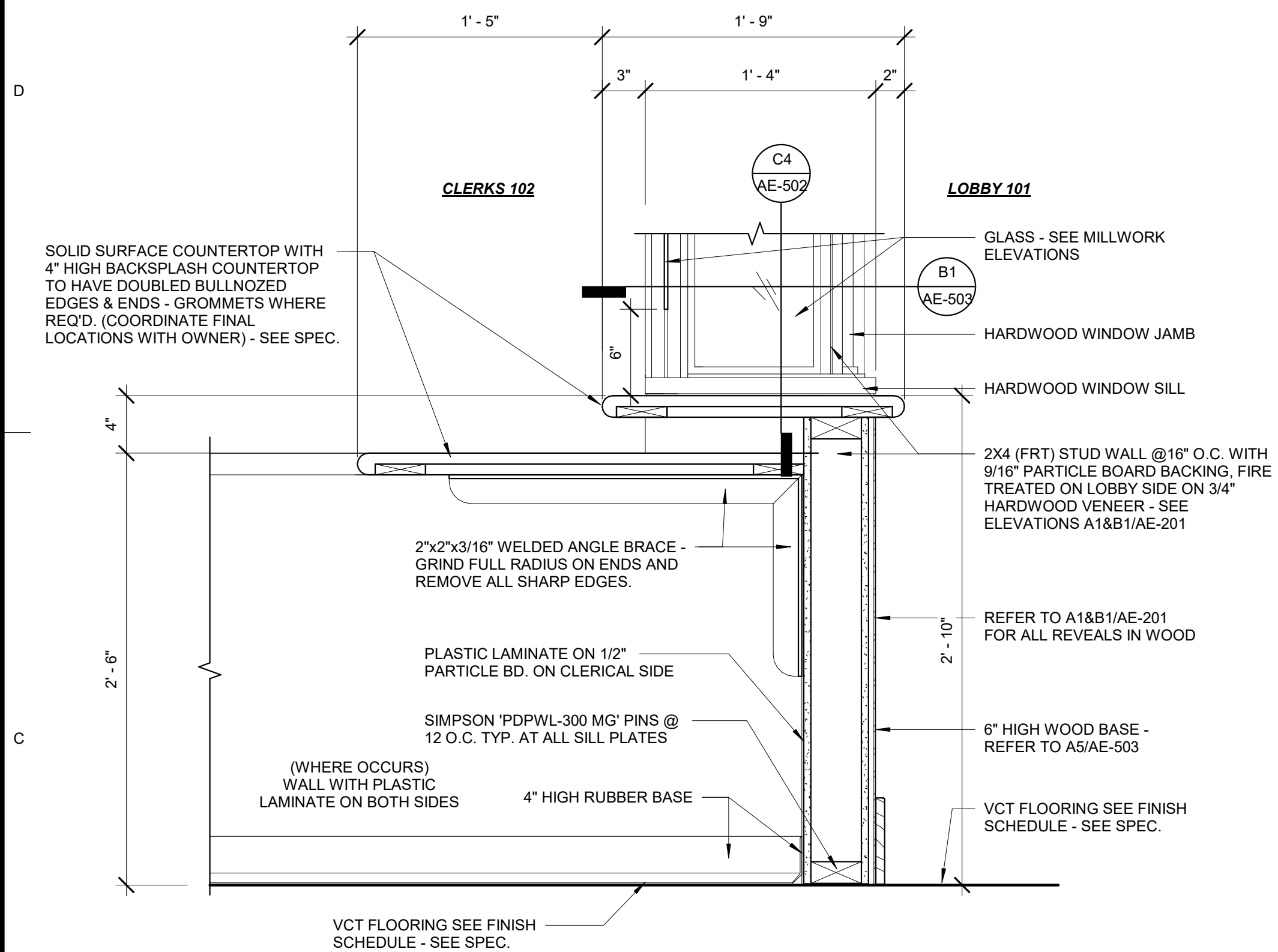
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SPE PROJECT #:	18-26
DRAWN BY:	JBE
CHECKED BY:	SPE
DESIGNED BY:	SPE
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SHEET TITLE

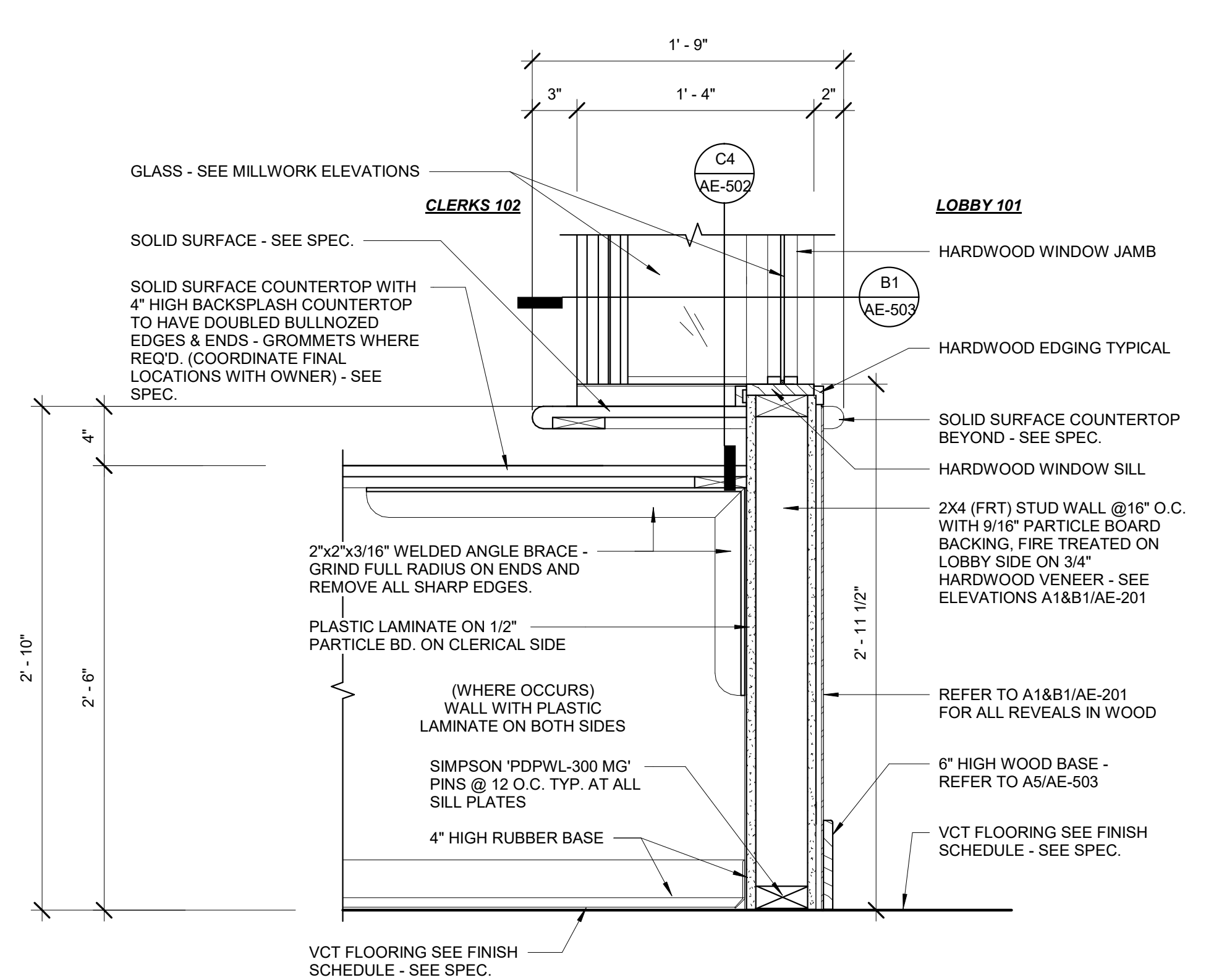
DETAILS

SHEET NUMBER

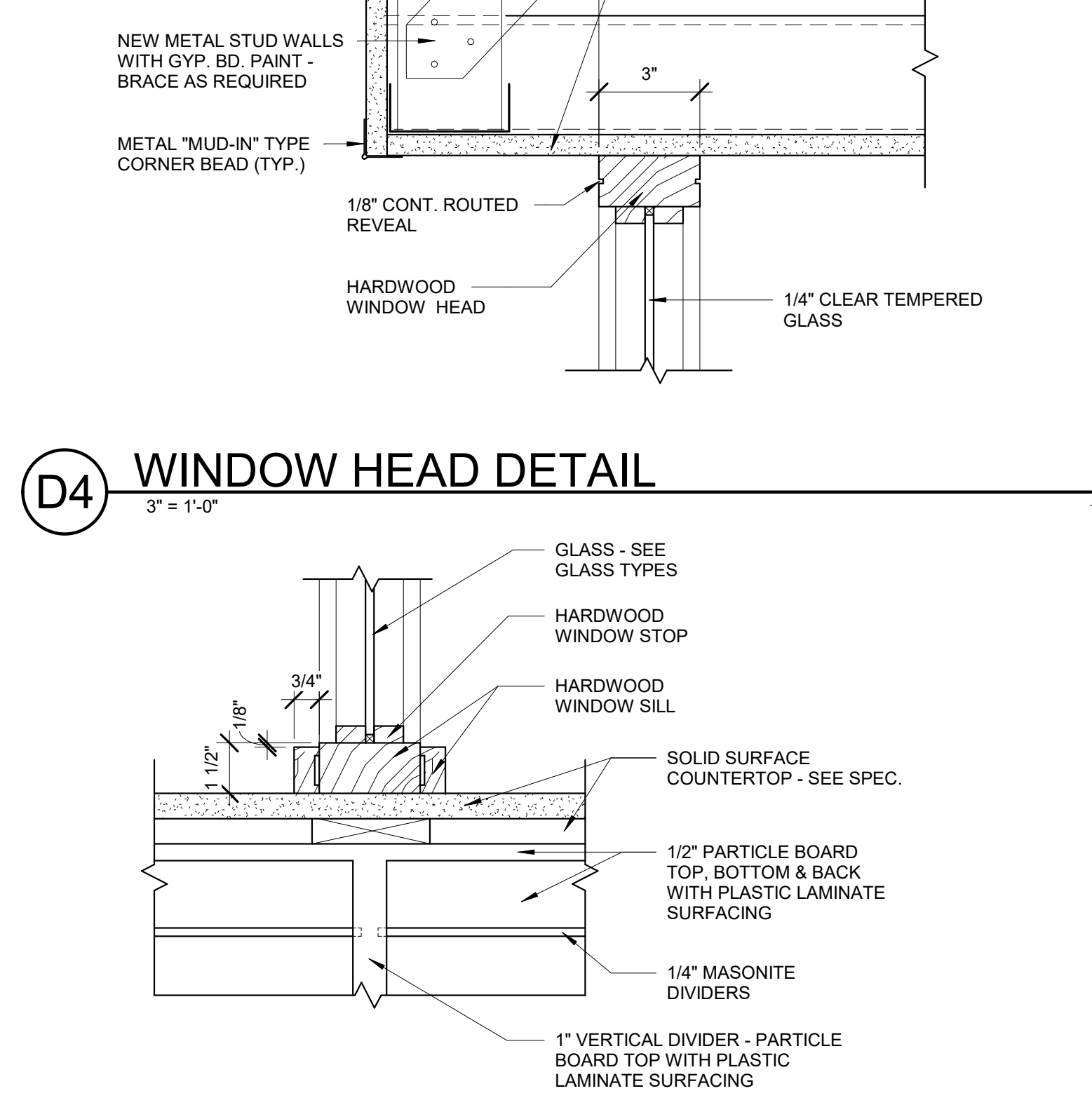
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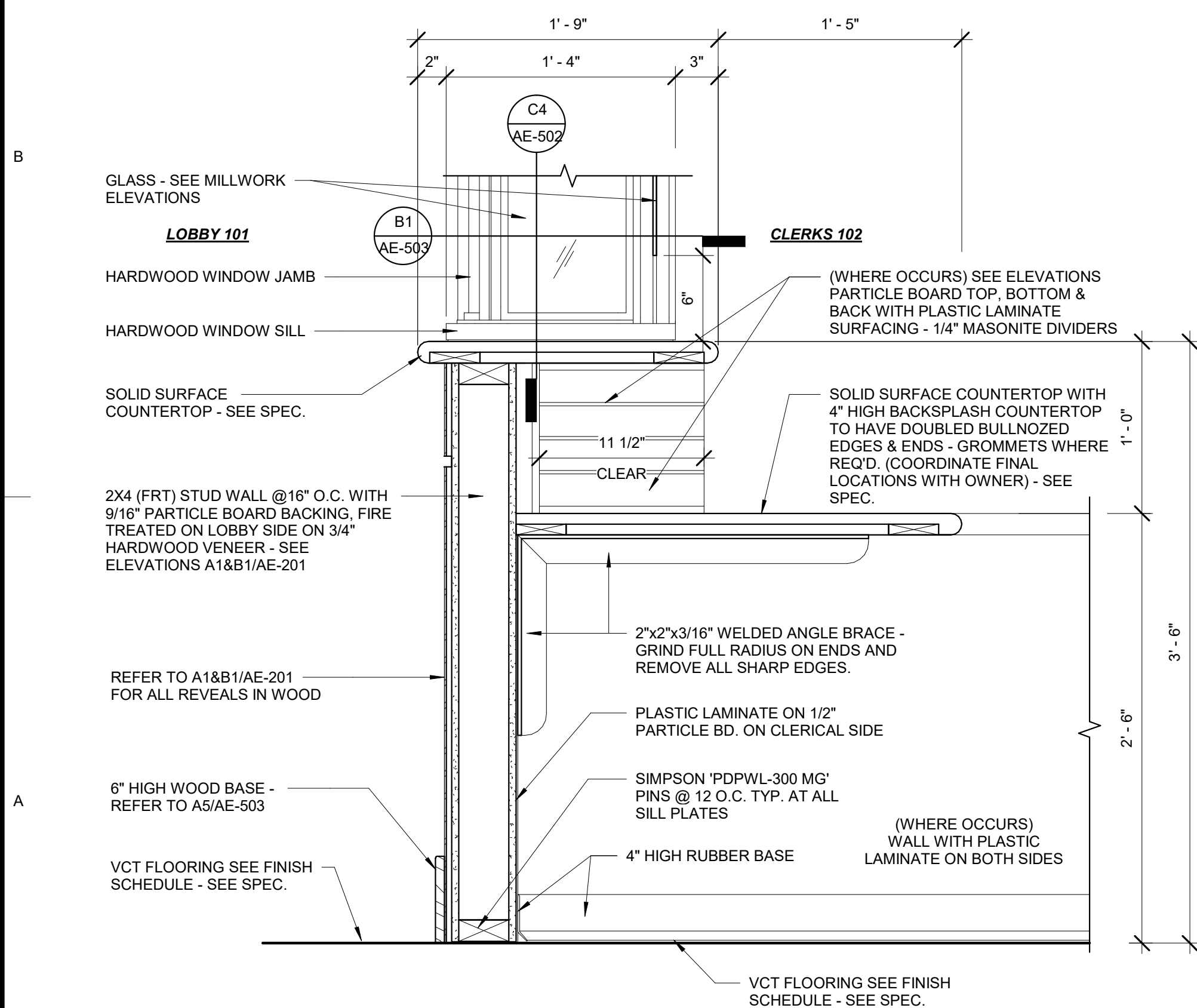
C1 MILLWORK - FRONT COUNTER DETAIL @ ADA
1 1/2" = 1'-0"



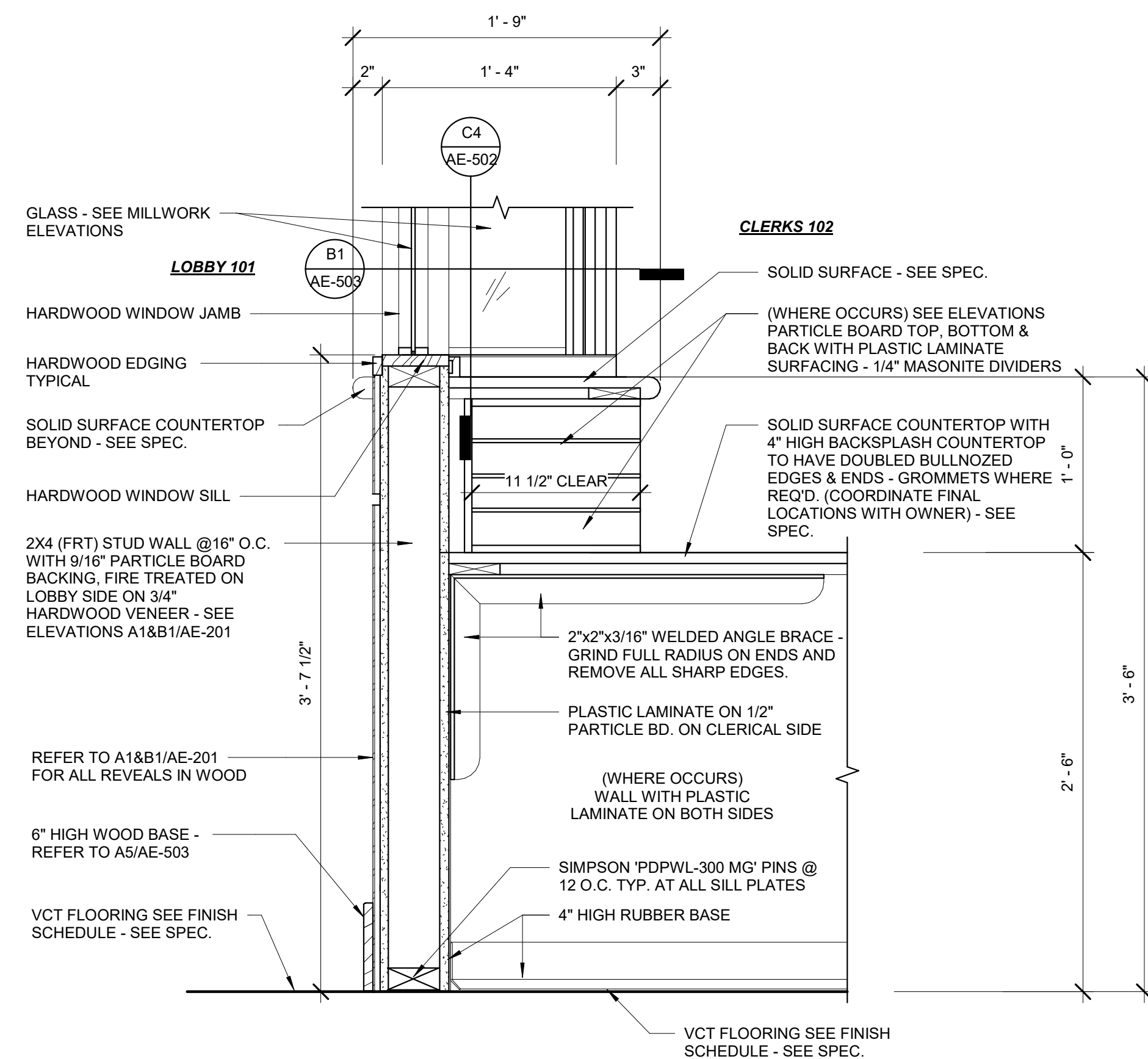
C3 MILLWORK - FRONT COUNTER DETAIL @ ADA
1 1/2" = 1'-0"



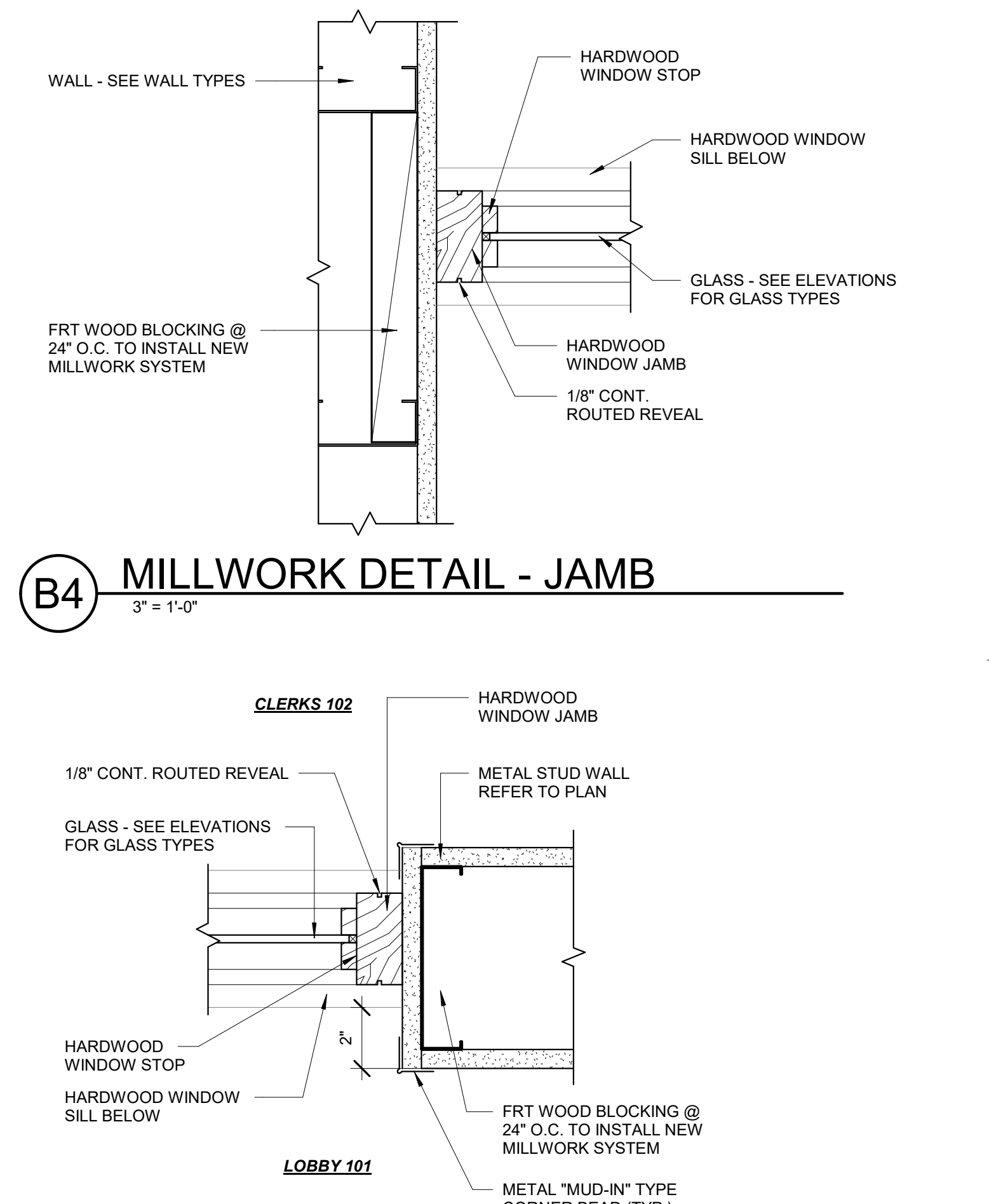
D4 WINDOW HEAD DETAIL
3" = 1'-0"



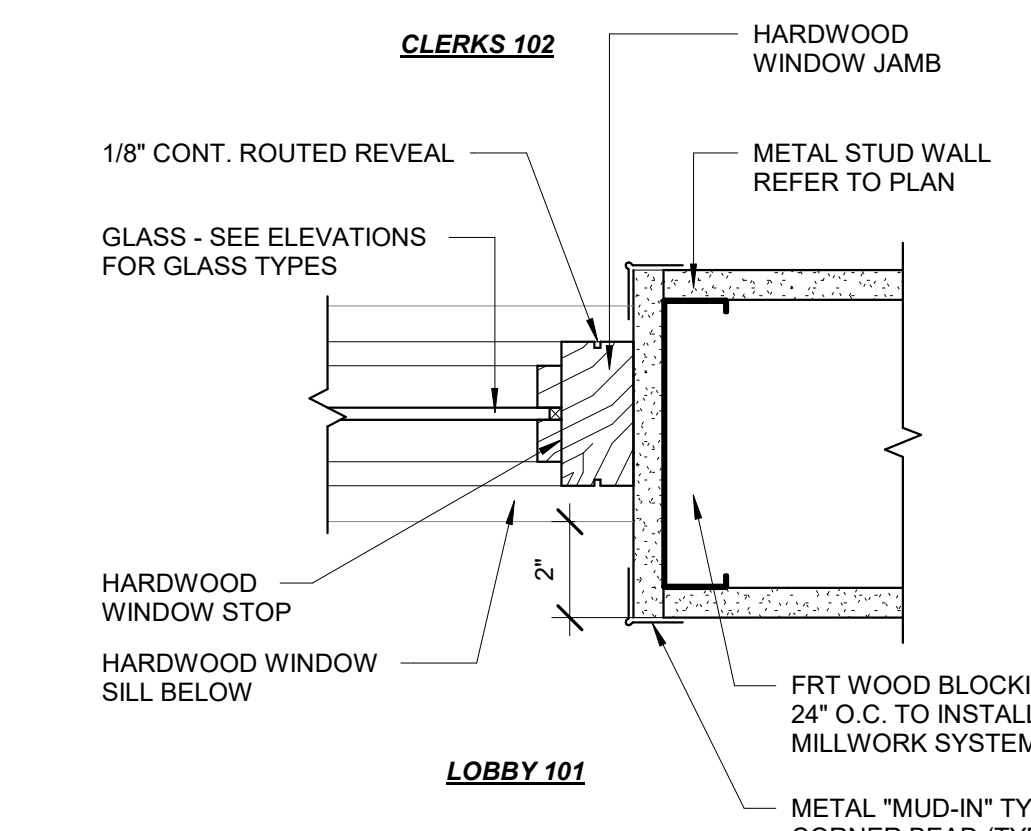
A1 MILLWORK - FRONT COUNTER DETAIL
1 1/2" = 1'-0"



A2 MILLWORK - FRONT COUNTER DETAIL
1 1/2" = 1'-0"



B4 MILLWORK DETAIL - JAMB
3" = 1'-0"



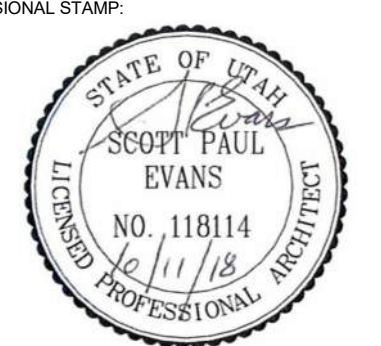
A4 MILLWORK DETAIL - JAMB
3" = 1'-0"

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PROFESSIONAL STAMP:



CODE OFFICIAL STAMP:



PROJECT NAME:
2018 LAYTON 2ND DISTRICT COURT CLERICAL COUNTER REMODEL

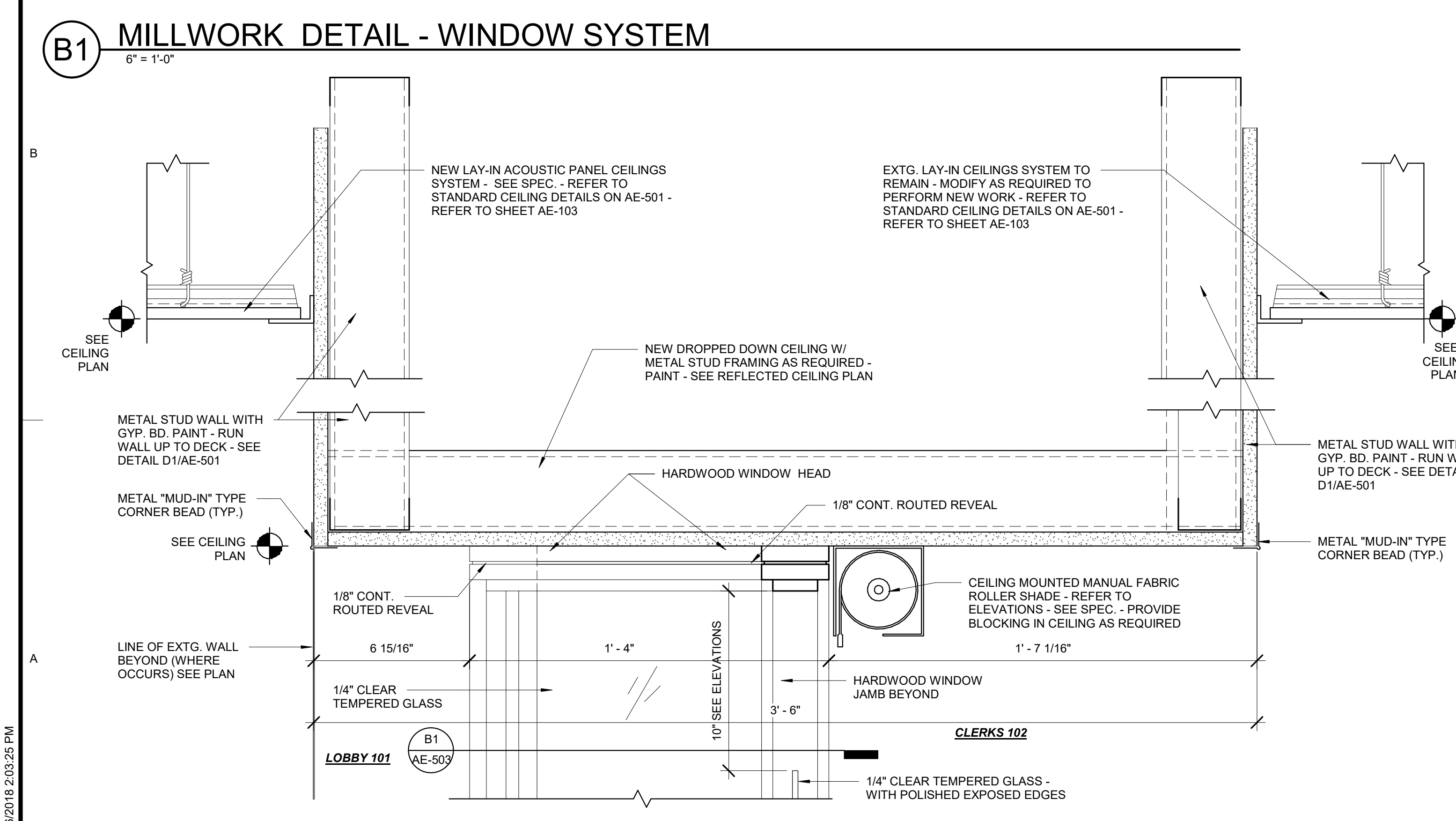
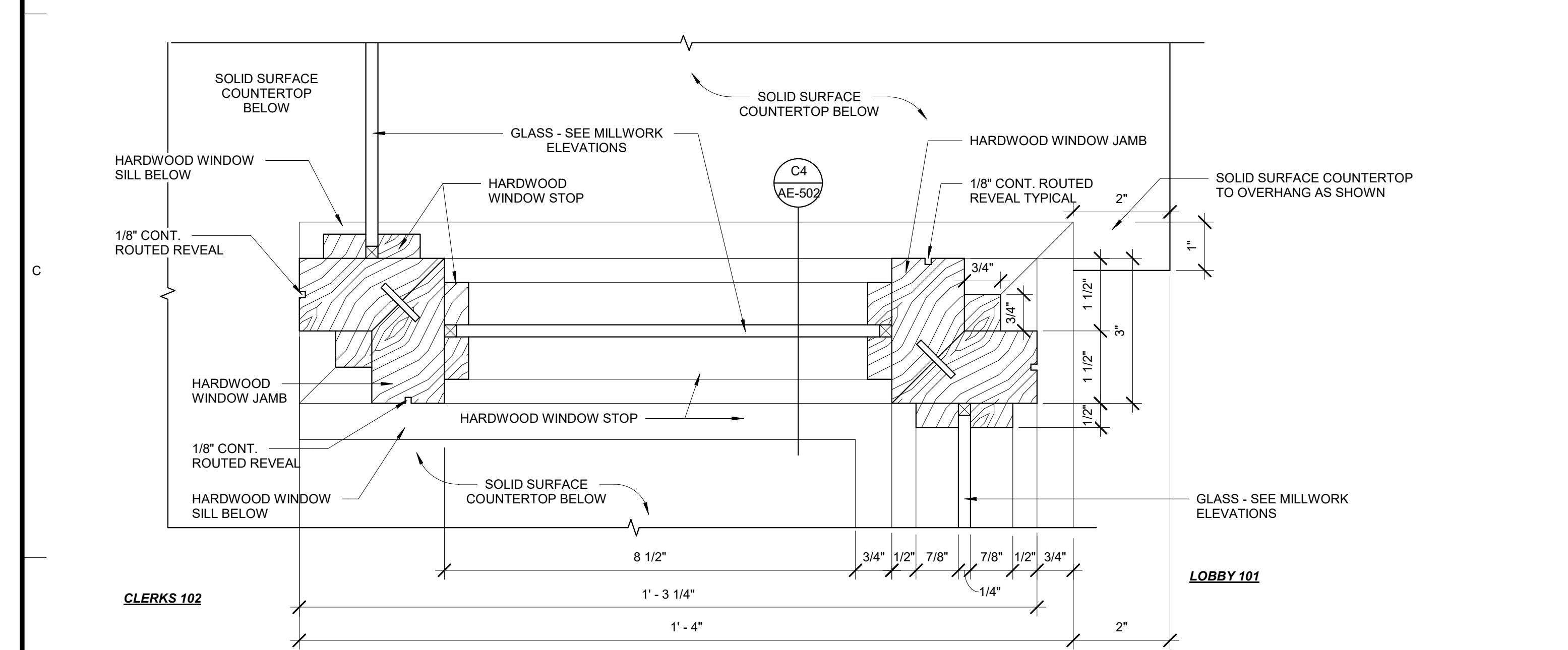
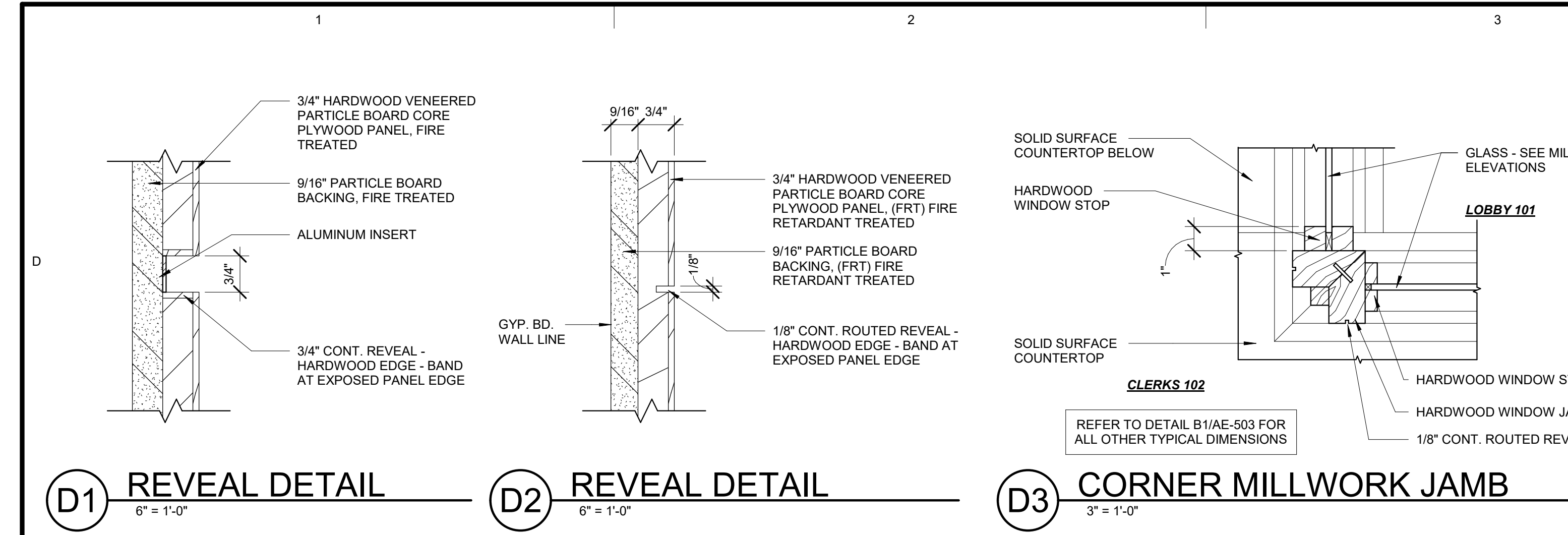
425 WASATCH DR.
LAYTON, UTAH 84041

NO.	DATE	DESCRIPTION
01	10/11/18	CONSTRUCTION BID DOCUMENTS

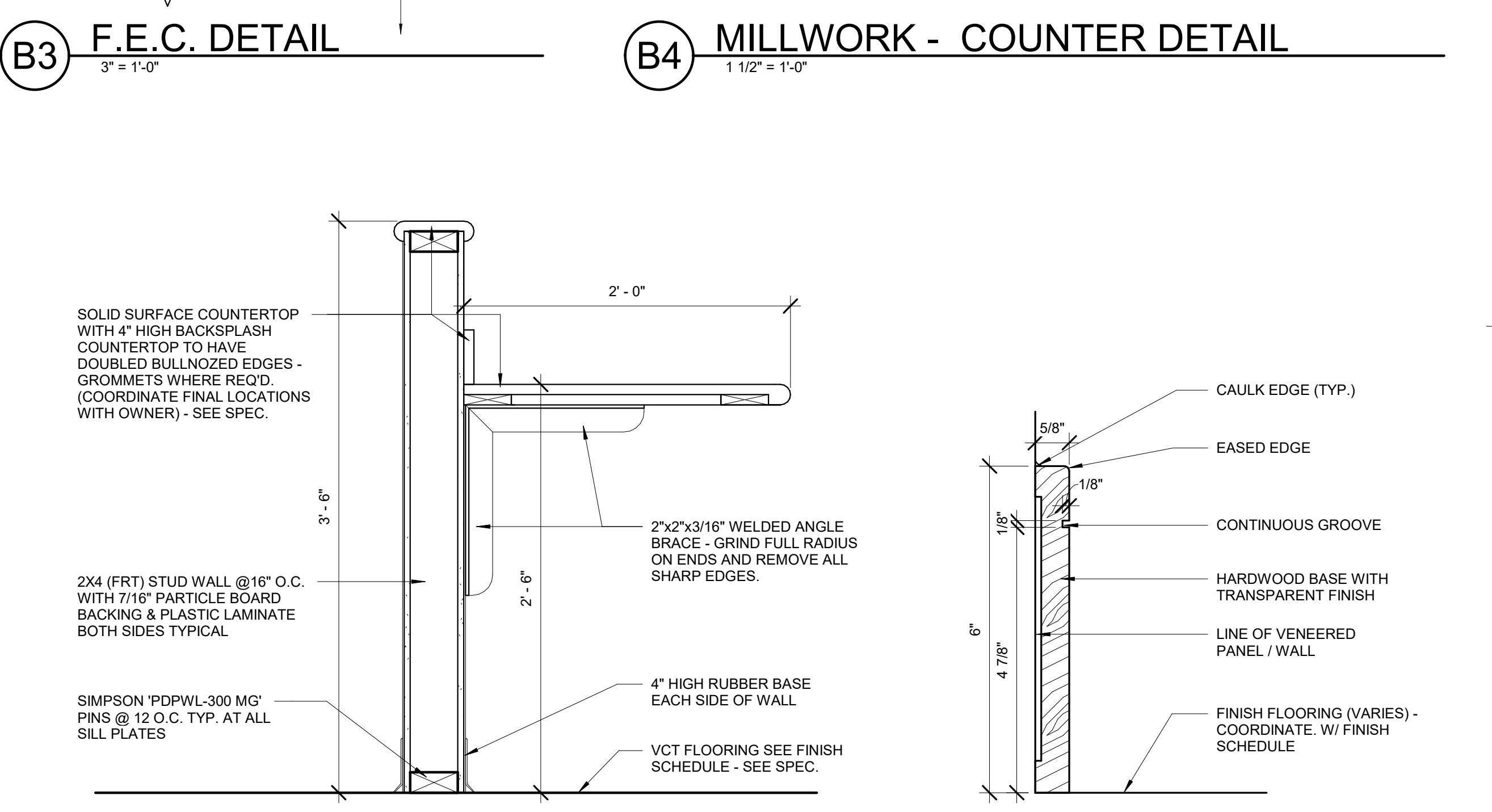
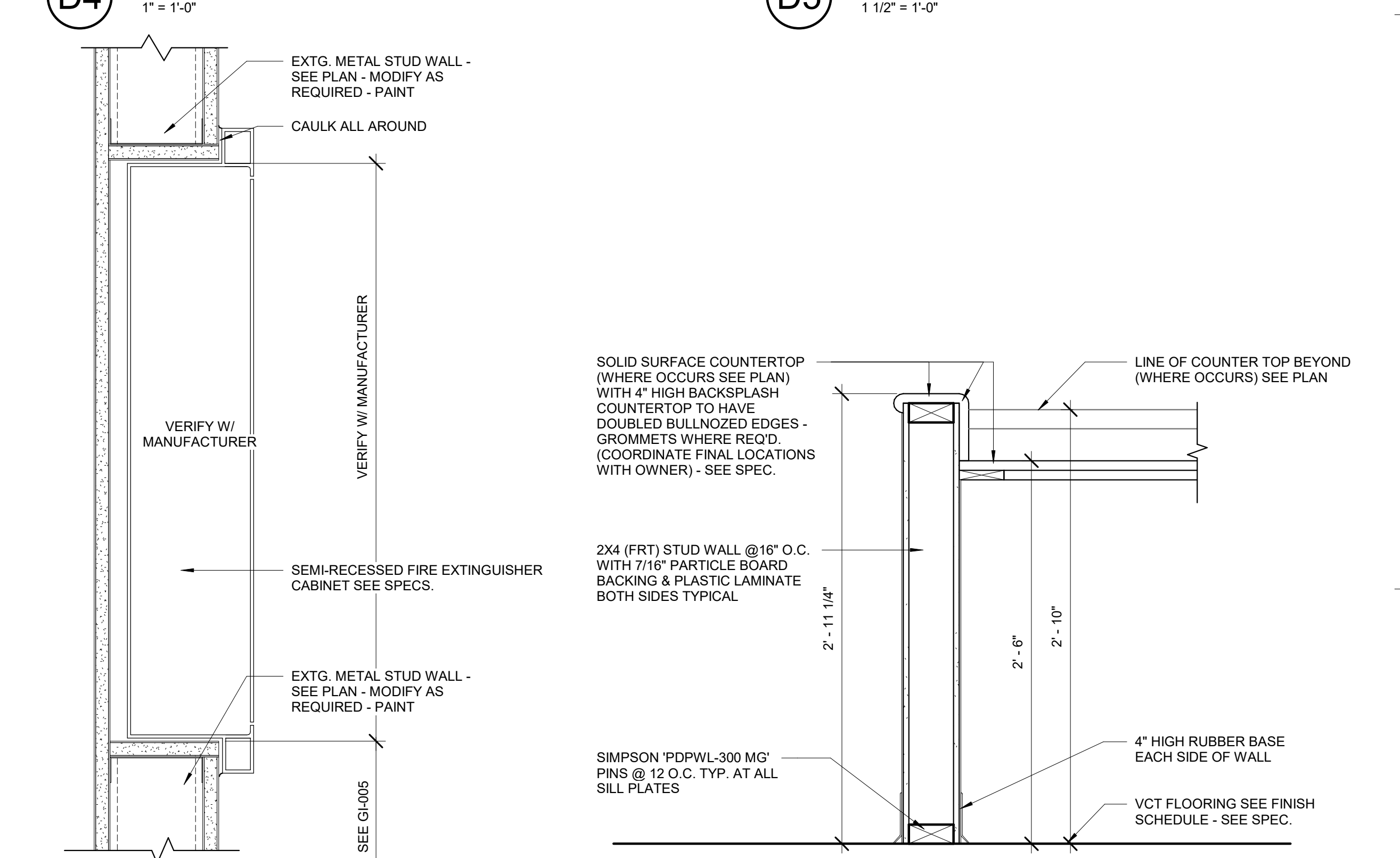
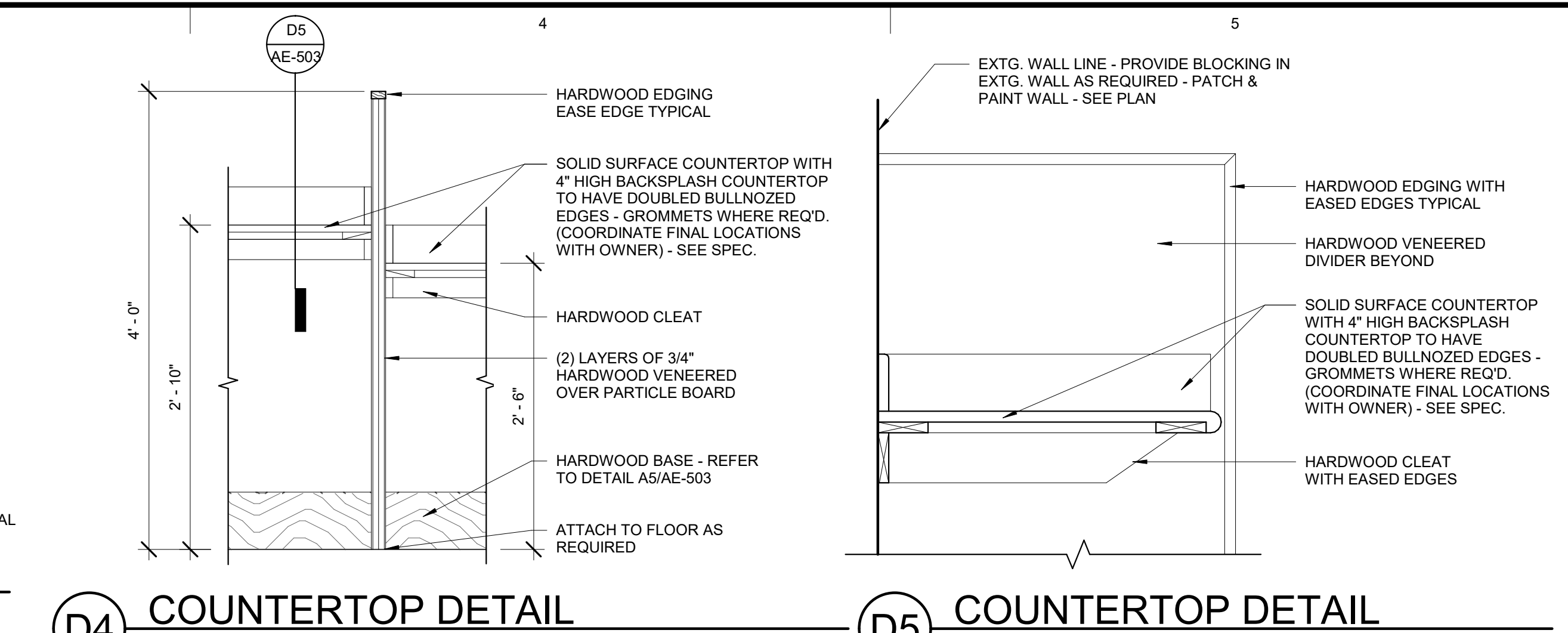
OWNER PROJECT #:	19075150
SPE PROJECT #:	18-26
DRAWN BY:	JBE
CHECKED BY:	SPE
DESIGNED BY:	SPE
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SHEET TITLE:
DETAILS

SHEET NUMBER:
AE-502



A1 MILLWORK DETAIL - WINDOW HEAD
3" = 1'-0"



A3 MILLWORK - COUNTER DETAIL
1 1/2" = 1'-0"

A5 HARDWOOD BASE DETAIL
6" = 1'-0"

ARCHITECT'S INFORMATION:

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2018 LAYTON 2ND DISTRICT COURT CLERICAL COUNTER REMODEL

425 WASATCH DR.
LAYTON, UTAH 84041

REVISIONS:

NO.	DATE	DESCRIPTION
01	10/11/18	CONSTRUCTION BID DOCUMENTS

ISSUED:

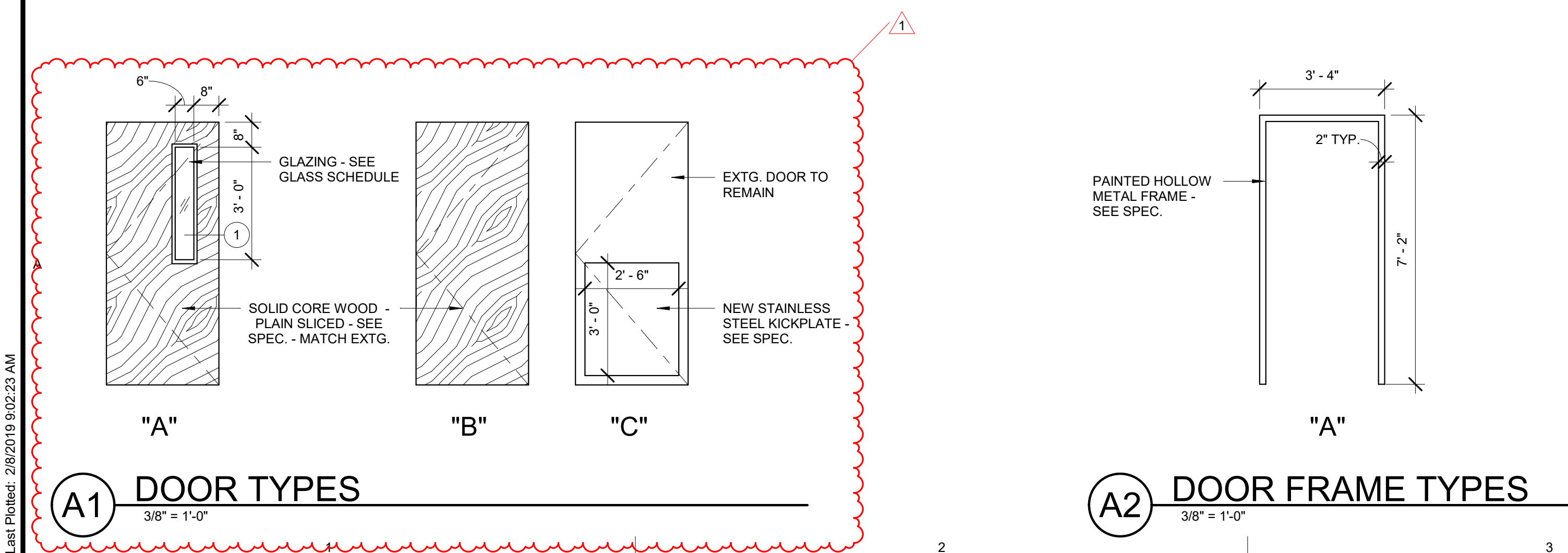
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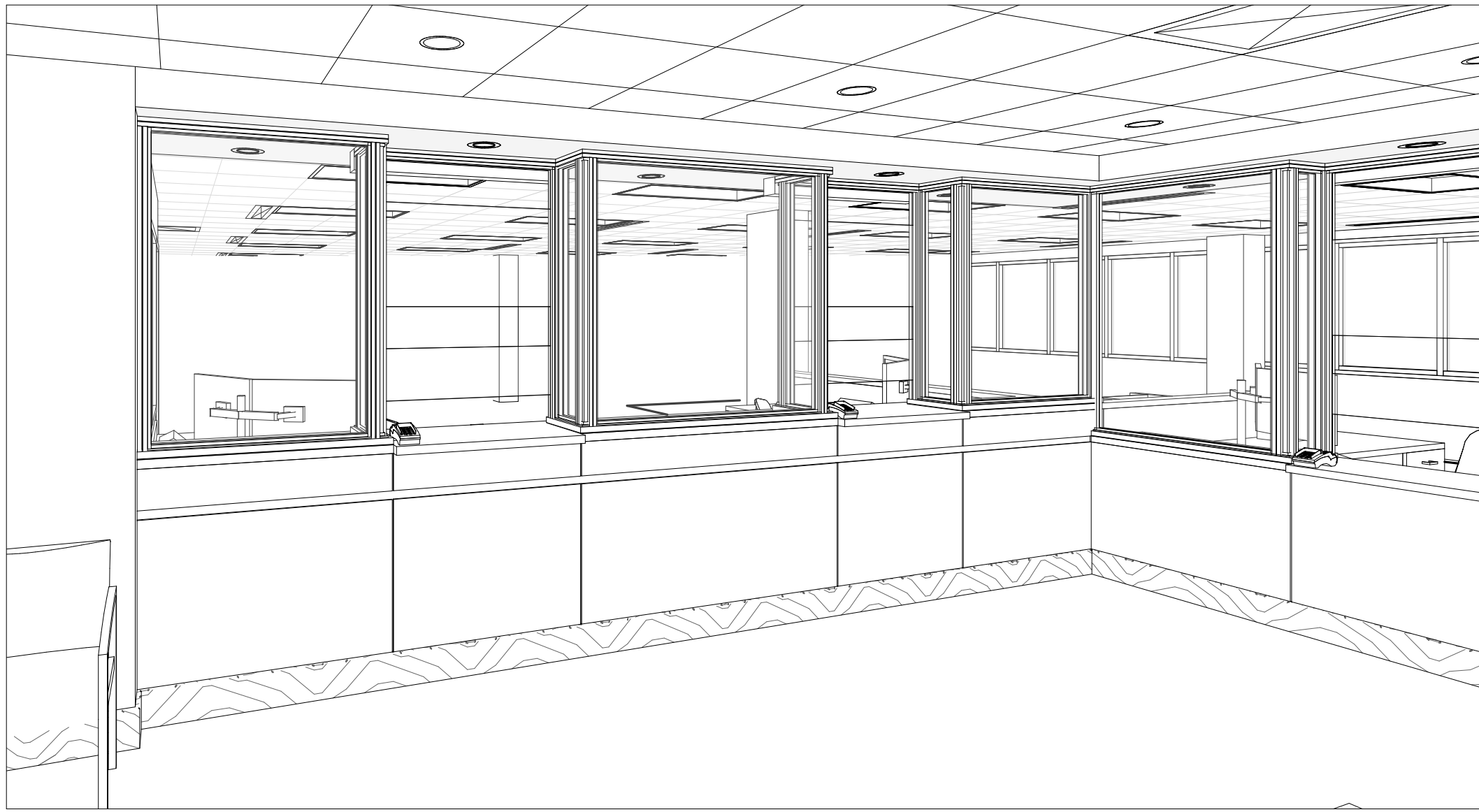
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SPE PROJECT #: 19-26
DRAWN BY: JBE
CHECKED BY: SPE
DESIGNED BY: SPE
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SHEET TITLE: DETAILS
SHEET NUMBER: AE-503

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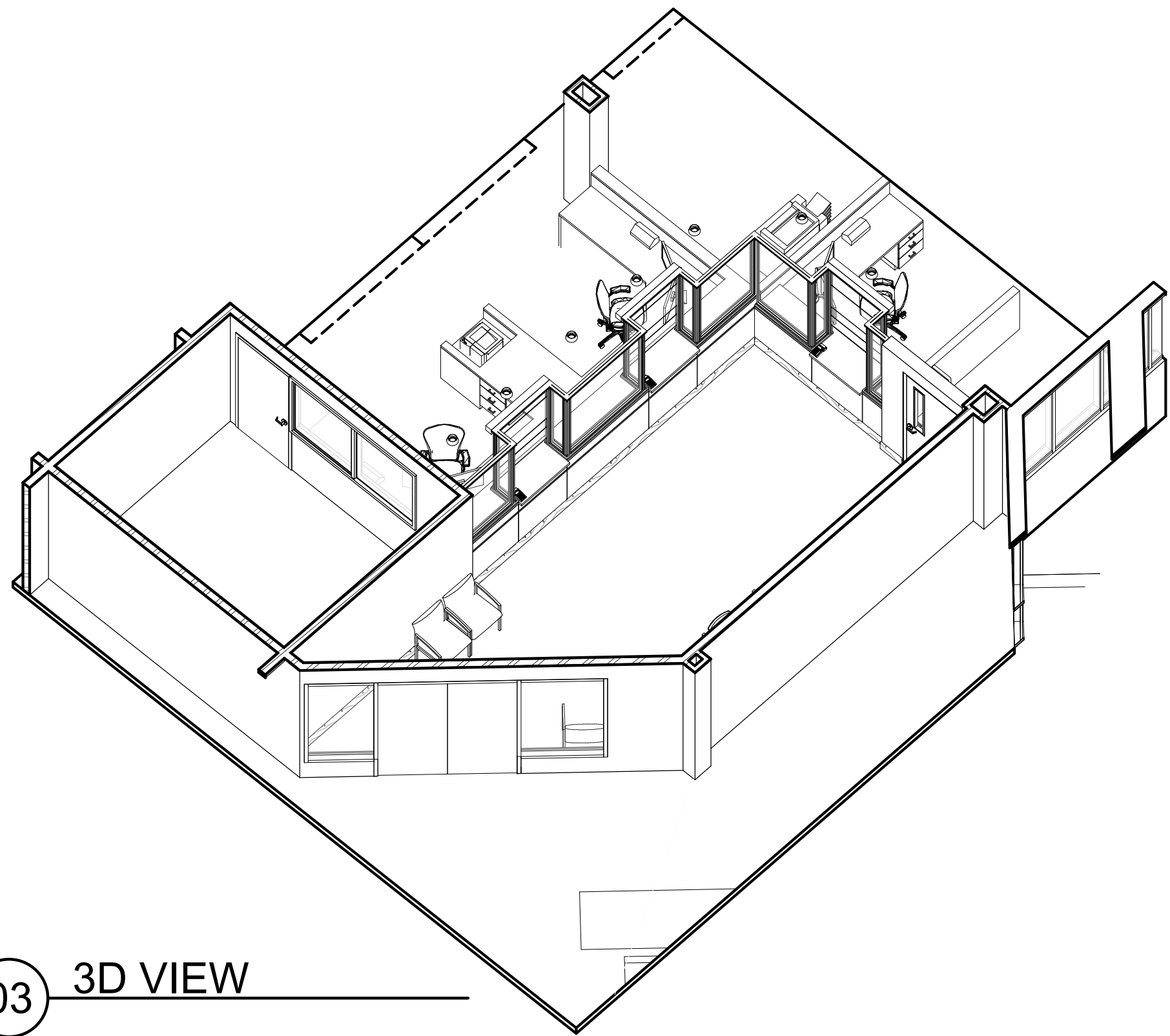
DOOR SCHEDULE															
DOOR #	DOOR		DOOR TYPE	DOOR			HARDWARE	FRAME			FRAME (L) JAMB DETAIL	FRAME (R) JAMB DETAIL	FRAME HEAD DETAIL	THRESHOLD DETAIL	COMMENTS
	WIDTH	HEIGHT		THICKNESS	MATERIAL	FINISH		TYPE	MATERIAL	FINISH					
101	3' - 0"	7' - 0"	A	1 3/4"	S.C. WOOD	TRANSPARENT	1.0	A	HOLLOW METAL	PAINT	D5/AE-501	D5/AE-501	D5/AE-501 SIM.	D2/AE-501	CARD READER
102	3' - 0"	7' - 0"	B	1 3/4"	S.C. WOOD	TRANSPARENT	2.0	A	HOLLOW METAL	PAINT	D5/AE-501	D5/AE-501	D5/AE-501 SIM.	NONE	
103	3' - 0"	7' - 0"	B	1 3/4"	S.C. WOOD	TRANSPARENT	2.0	A	HOLLOW METAL	PAINT	D5/AE-501	D5/AE-501	D5/AE-501 SIM.	NONE	
104	3' - 0"	7' - 0"	C	1 3/4"	EXTG.	EXTG.	3.0	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	PROVIDE & INSTALL NEW STAINLESS STEEL KICKPLATE - SEE SPEC.
105	3' - 0"	7' - 0"	C	1 3/4"	EXTG.	EXTG.	3.0	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	PROVIDE & INSTALL NEW STAINLESS STEEL KICKPLATE - SEE SPEC.
106	3' - 0"	7' - 0"	C	1 3/4"	EXTG.	EXTG.	3.0	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	PROVIDE & INSTALL NEW STAINLESS STEEL KICKPLATE - SEE SPEC.
107	3' - 0"	7' - 0"	C	1 3/4"	EXTG.	EXTG.	3.0	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	EXTG.	PROVIDE & INSTALL NEW STAINLESS STEEL KICKPLATE - SEE SPEC.

#	GLASS SCHEDULE
TYPE 1:	1/4" CLEAR FLOAT GLASS TEMPERED
TYPE 2:	1/4" CLEAR FLOAT GLASS TEMPERED WITH POLISHED EXPOSED EDGES (SEE INTERIOR ELEVATIONS ON SHEET AE-201)

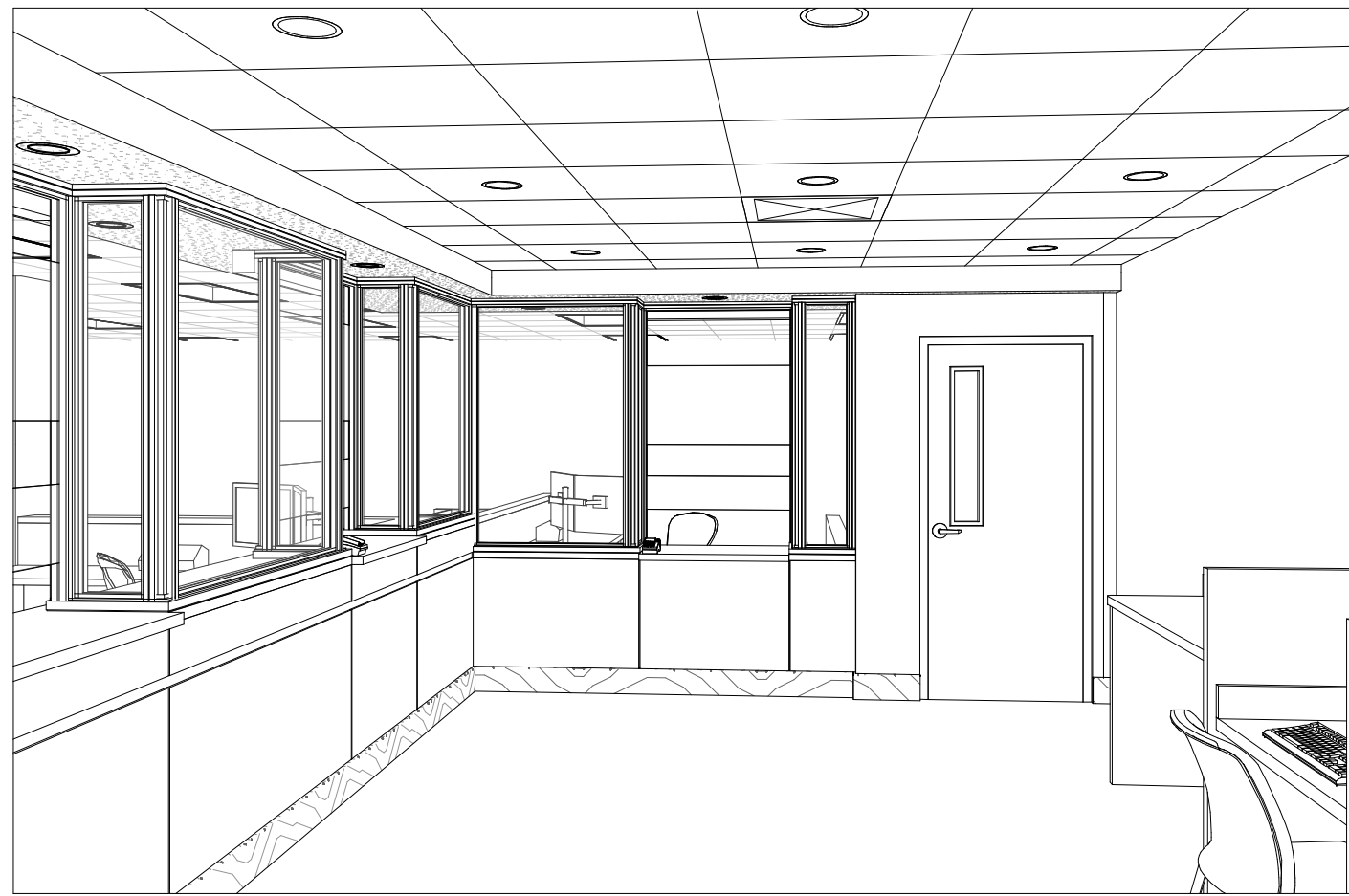




05 3D VIEW



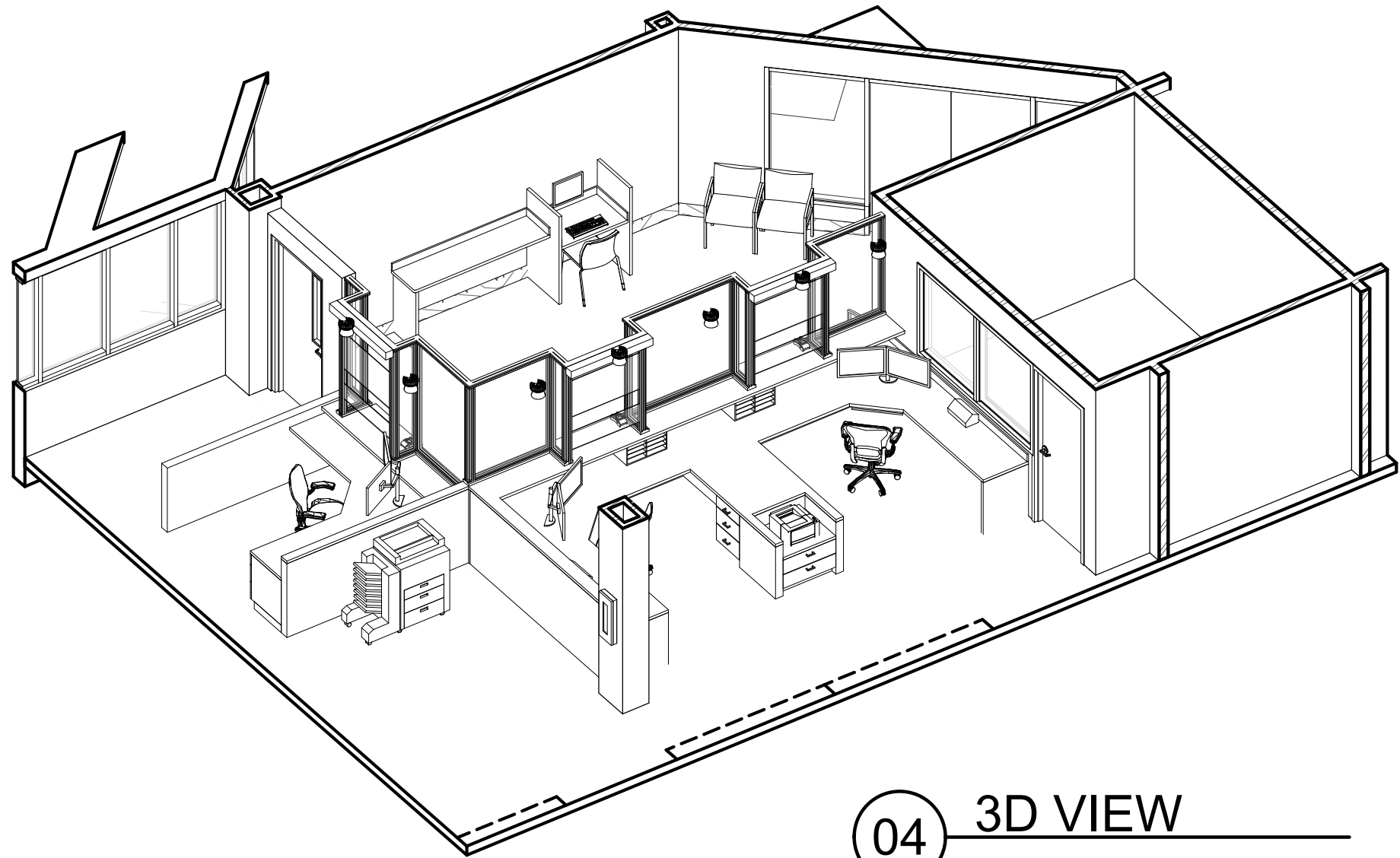
03 3D VIEW



01 3D VIEW



06 3D View 3



04 3D VIEW



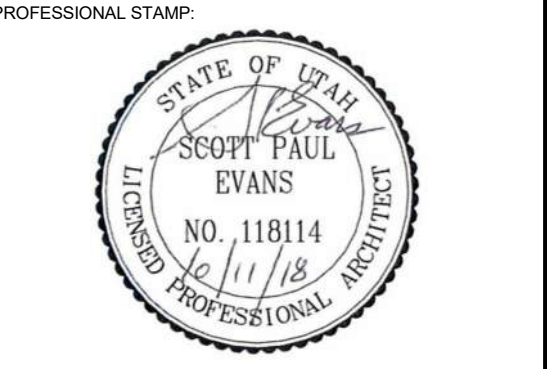
02 3D VIEW

DISCLAIMER:
NOTE THAT THE VIEWS ON THIS SHEET ARE FOR A GRAPHICAL,
VISUAL REPRESENTATION OF THE BUILDING ONLY. NOT ALL
ITEMS/VIEWS ARE COMPLETELY ACCURATE AND DETAILED. ALL
OTHER CONSTRUCTION DOCUMENTS SHALL TAKE PRECEDENCE
OVER WHAT IS SHOWN HERE. NO BIDDING OR CONSTRUCTION
DECISIONS ARE TO BE MADE OFF OF THESE REPRESENTATIONS

ARCHITECT'S INFORMATION:



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PROJECT NAME:

**2018 LAYTON 2ND DISTRICT
COURT CLERICAL COUNTER
REMODEL**

425 WASATCH DR.
LAYTON, UTAH 84041

REVISIONS:

NO.	DATE	DESCRIPTION
01	10/11/18	CONSTRUCTION BID DOCUMENTS

ISSUED:

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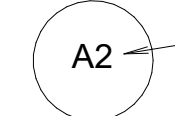
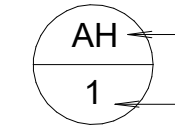
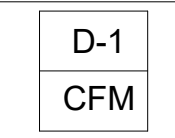

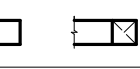
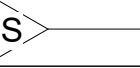
OWNER PROJECT #: 19075150
SPE PROJECT #: 19-26
DRAWN BY: JBE
CHECKED BY: SPE
DESIGNED BY: SPE

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SHEET TITLE:
IMAGES

SHEET NUMBER:
AE-901

Last Plotted: 10/11/2018 8:49:55 AM

MECHANICAL LEGEND					
SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION
GENERAL TERMINOLOGY			AIR SIDE		
		SECTION LETTER DESIGNATION SECTION DRAWN ON THIS SHEET			EXISTING AIR DUCT TO BE REMOVED
		DETAIL NUMBER DESIGNATION CORRESPONDING WITH GRID LOCATION			EXISTING AIR DUCT TO REMAIN
		MECHANICAL EQUIPMENT DESIGNATION EQUIPMENT ITEM DESIGNATION			NEW AIR DUCT
					RECT TO RECT AIR DUCT TAKE-OFF
		REGISTER, GRILLE OR DIFFUSER DESIGNATION WITH BALANCING CFM LISTED BELOW			RECT TO RND AIR DUCT TAKE-OFF
		GRILLE OR LOUVER DESIGNATION WHERE BALANCING NOT REQUIRED			MEDIUM PRESSURE TAKE-OFF
		REVISION DESIGNATOR AND NUMBER			FLEXIBLE AIR DUCT
		KEY NOTE DESIGNATOR AND NUMBER			LINED DUCT
	POC	POINT OF CONNECTION			RADIUS ELBOW
	POR	POINT OF REMOVAL			ECCENTRIC DUCT TRANSITION
AFF		ABOVE FINISHED FLOOR			CONCENTRIC DUCT TRANSITION
AP		ACCESS PANEL			VOLUME DAMPER
C EL.		CENTERLINE ELEVATION			SUPPLY AIR DIFFUSER
GC		GENERAL CONTRACTOR			RETURN & TRANSFER AIR GRILLE
MC		MECHANICAL CONTRACTOR			EXHAUST GRILLE OR CEILING EXH. FAN
ATC		CONTROLS CONTRACTOR			RETURN & OUTSIDE AIR DUCT UP/DN
EC		ELECTRICAL CONTRACTOR			RETURN & OA ROUND DUCT UP/DN
FPC		FIRE PROTECTION CONTRACTOR			SUPPLY AIR DUCT UP/DN
NIC		NOT IN CONTRACT			SUPPLY AIR ROUND DUCT UP/DN
NTS		NOT TO SCALE			EXHAUST AIR DUCT UP/DN
VCP		VITRIFIED CLAY PIPE			EXHAUST AIR ROUND DUCT UP/DN
C		COMMON		AP	ACCESS PANEL
NC		NORMALLY CLOSED			EXISTING EQUIPMENT TO BE REMOVED
NO		NORMALLY OPEN			EXISTING EQUIPMENT TO REMAIN
					NEW EQUIPMENT
			SA		SUPPLY AIR
			RA		RETURN AIR
			EA		EXHAUST AIR
			OA		OUTSIDE AIR
			MA		MIXED AIR
			RF		RELIEF AIR
			FO		FLAT OVAL
	MVD	MOTORIZED VOLUME DAMPER			
	BD	BACKDRAFT DAMPER			
	FD	FIRE DAMPER			
	SD	SMOKE DAMPER			
	FS	FIRE & SMOKE DAMPER			
	T-STAT	WALL MOUNTED THERMOSTAT			
		WALL MOUNTED TEMP. SENSOR			
	H-STAT	WALL MOUNTED HUMIDISTAT			
	F-STAT	WALL MOUNTED FIRESTAT			

GENERAL NOTES

G-1 - MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION OF THE EXISTING BUILDING AND SITE CONDITIONS, EXISTING PIPING, EXISTING ELECTRICAL, AND EXISTING SUPPORTS.

A - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.

B - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.

C - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.

D - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.

E - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.

G-2 - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CHANGES FOR APPROVAL. CONTRACTOR SHALL NOT START ANY CHANGES UNTIL NOTIFIED IN WRITING. IF CHANGES ARE MADE PRIOR TO APPROVAL CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE CHANGES MADE AND ALL COSTS RELATING TO FAILURE OR REPLACEMENT OF ALTERATIONS.

G-3 - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.

G-4 - THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCKOUTS OR CORE DRILLS THROUGH STRUCTURE.

G-5 - THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.

G-6 - MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.

G-7 - SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.

G-8 - PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.

G-9 - SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.

G-10 - PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.

G-11 - THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

G-12 - THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.

G-13 - C.F.M. LISTED IS ACTUAL AIR.

G-14 - SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.

G-15 - CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.

G-16 - ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2015 EDITION OF THE IMC AND IPC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

G-17 - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAINING DOWN AND RE-FILLING OF ALL SYSTEMS NECESSARY TO COMPLETE THE WORK OUTLINED BY THIS PROJECT. THIS INCLUDES PROVIDING THE REQUIRED CHEMICAL TREATMENT WHEN RE-FILLING THE SYSTEM.

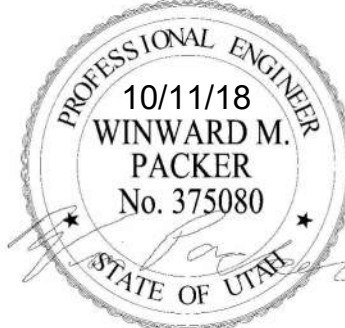
G-18 - ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.

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PROFESSIONAL STAMP:



CODE OFFICIAL STAMP:



PROJECT NAME:

2018 LAYTON 2ND DISTRICT
COURT CLERICAL COUNTER
REMODEL

425 WASATCH DR.
LAYTON, UTAH 84041

REVISIONS:

NO. DATE DESCRIPTION

ISSUED:

NO. DATE DESCRIPTION
01 10-11-18 CONSTRUCTION BID DOCUMENTS

OWNER PROJECT #: 19075150
SPE PROJECT #: 18-26
DRAWN BY: DJB
CHECKED BY: WMP
DESIGNED BY: DJB

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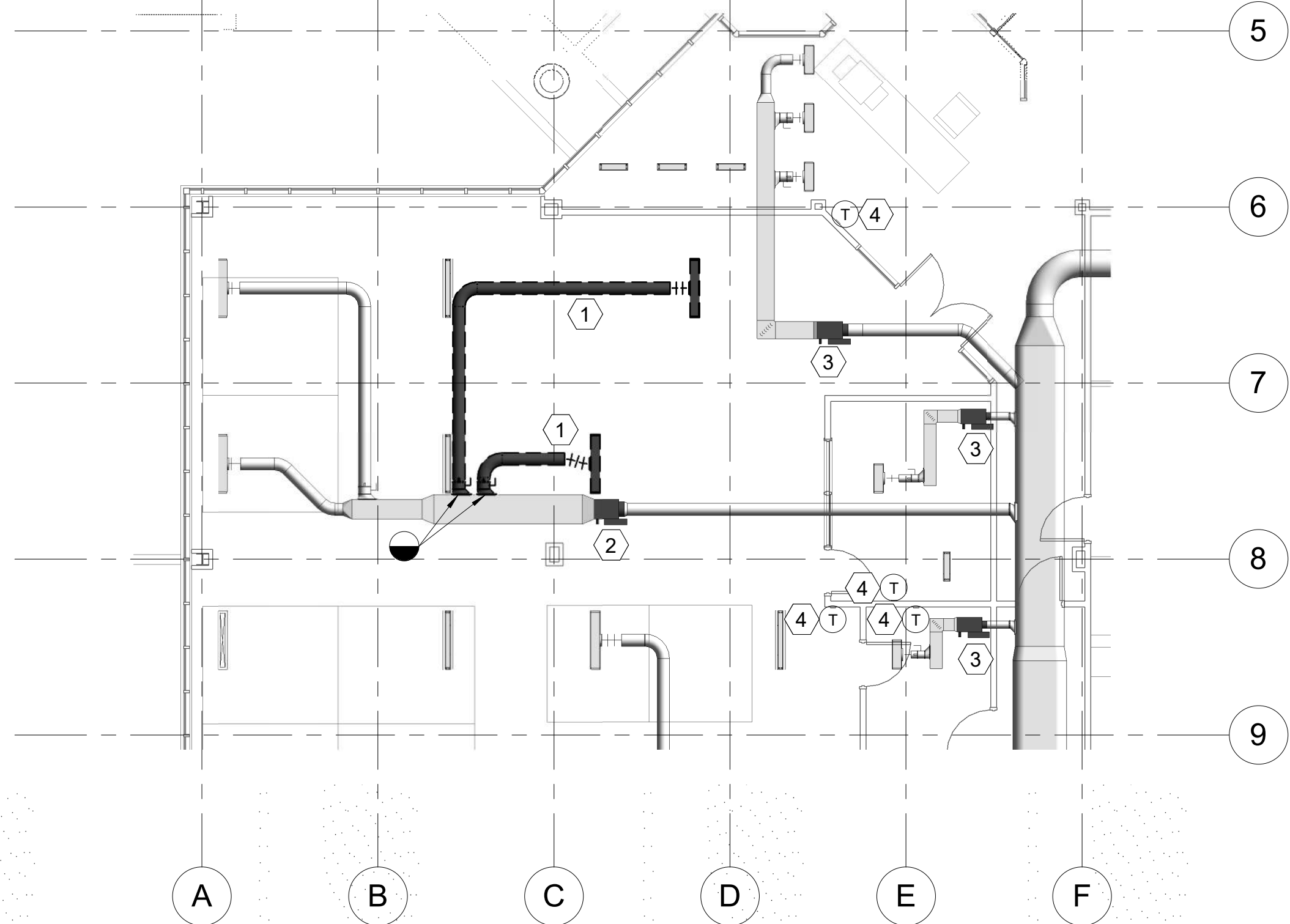
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MECHANICAL
GENERAL NOTES
& LEGEND

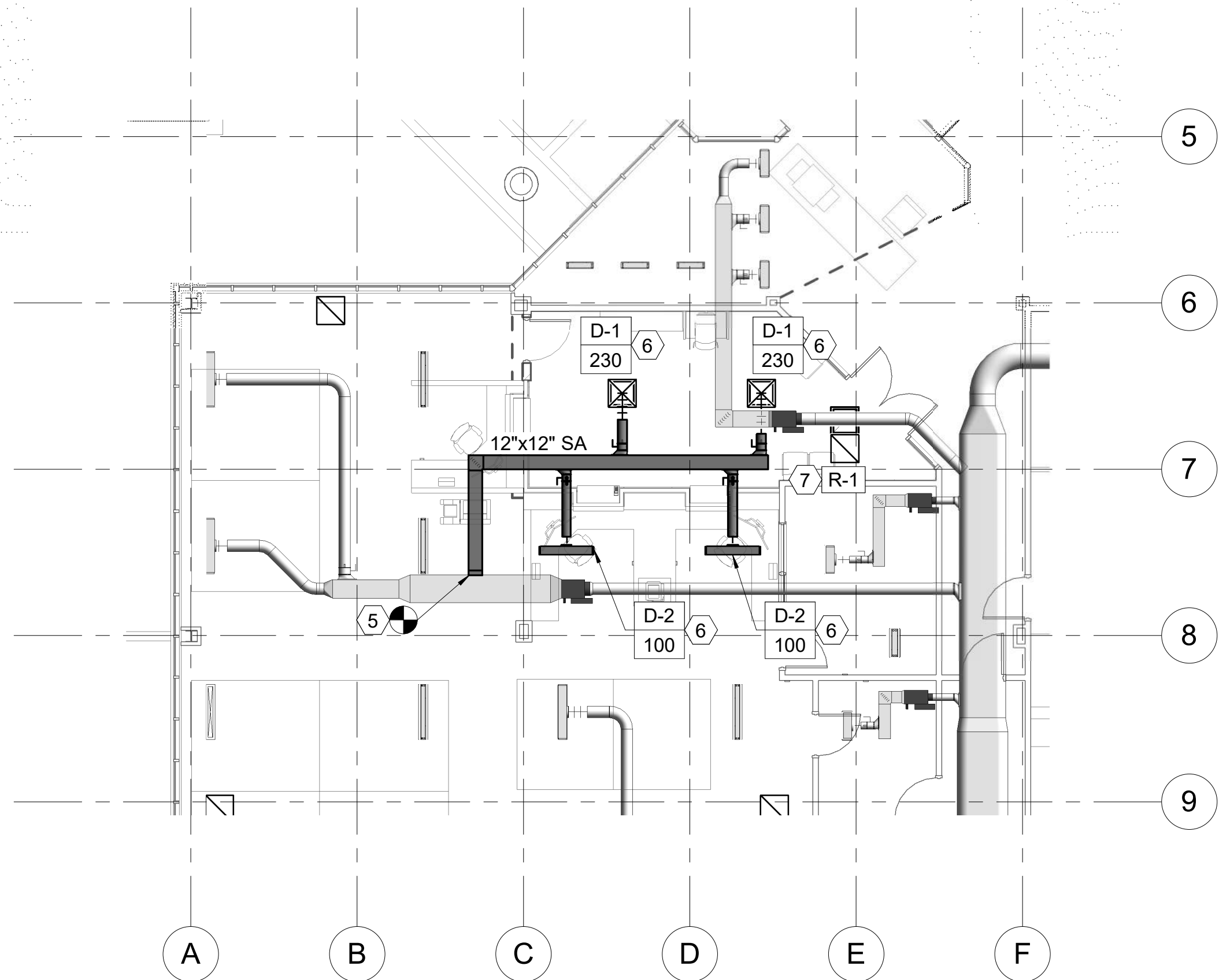
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MG001

Last Plotted: 10/11/2018 8:49:54 AM



1 MECHANICAL DEMO FLOORPLAN
1/8" = 1'-0"



2 NEW MECHANICAL FLOORPLAN
1/8" = 1'-0"

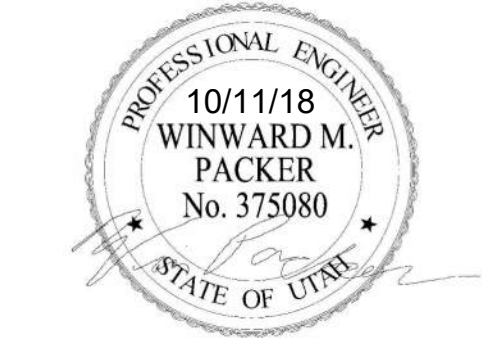
SHEET NOTES

- 1 REMOVE EXISTING SUPPLY DIFFUSERS AND SUPPLY DUCT BACK TO POINT OF REMOVAL AND CAP MAIN.
- 2 EXISTING VAV BOX TO REMAIN AND BE REUSED.
- 3 EXISTING VAV AND ASSOCIATED DUCTWORK TO REMAIN.
- 4 EXISTING THERMOSTAT TO REMAIN AND BE REUSED.
- 5 TIE INTO EXISTING SUPPLY DUCTWORK AT THIS APPROXIMATE LOCATION.
- 6 PROVIDE NEW CEILING MOUNTED DIFFUSER. BALANCE TO CFM SHOWN. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS.
- 7 PROVIDE NEW RETURN GRILLE. COORDINATE EXACT DIFFUSER WITH ARCHITECTURAL PLANS.

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COURT CLERICAL COUNTER
REMODEL

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LAYTON, UTAH 84041

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NO.	DATE	DESCRIPTION
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01	10-11-18	CONSTRUCTION BID DOCUMENTS
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OWNER PROJECT #: 19075150
SPE PROJECT #: 18-26
DRAWN BY: DJB
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DESIGNED BY: DJB

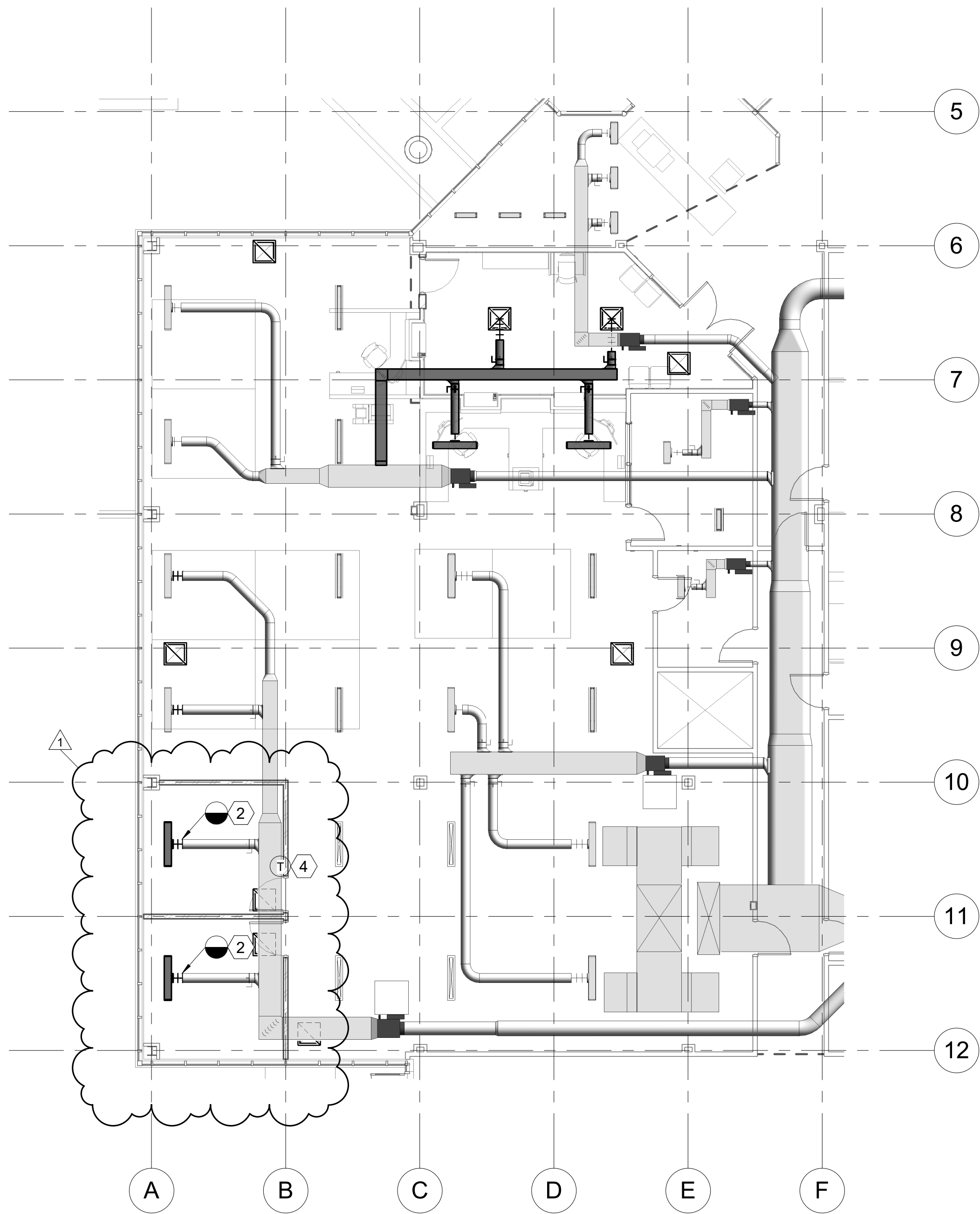
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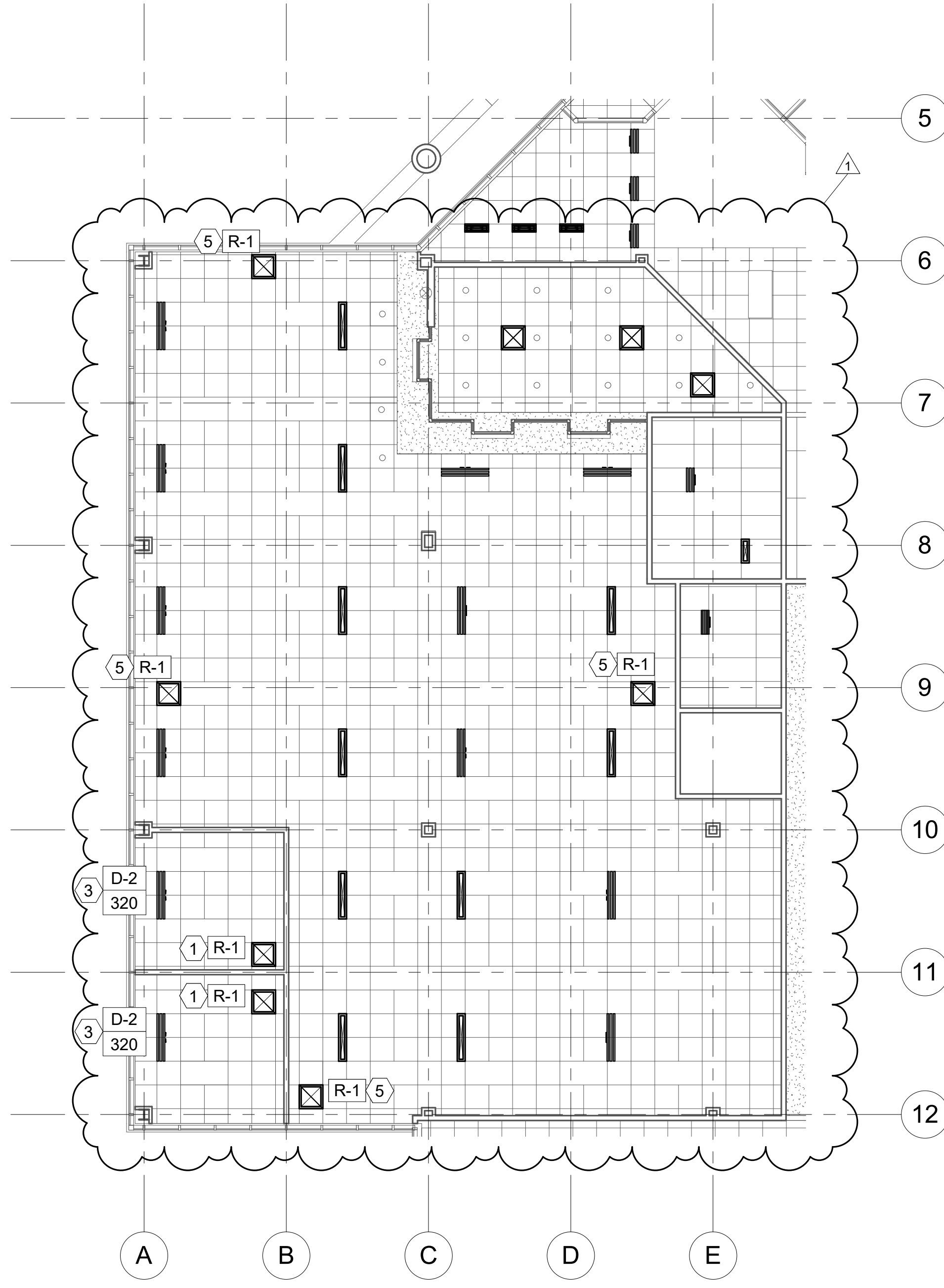
MECHANICAL
PLANS

SHEET NUMBER:

ME101



2 ADD ALTERNATE MECHANICAL PLAN
1/8" = 1'-0"



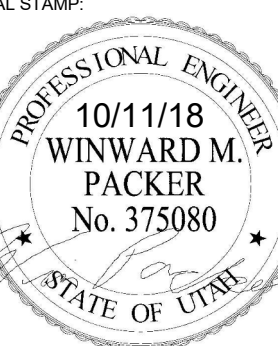
1 ADD ALTERNATE REFLECTED CEILING PLAN
1/8" = 1'-0"

SHEET NOTES

- 1 ADD ALT #1: PROVIDE RETURN GRILLE. COORDINATE EXACT DIFFUSER WITH ARCHITECTURAL PLANS.
- 2 ADD ALT #1: REMOVE EXISTING DIFFUSER AND SUPPLY DUCT BACK TO POINT OF REMOVAL. PROVIDE DIFFUSER AND TIE INTO EXISTING SUPPLY DUCT.
- 3 ADD ALT #1: BALANCE DIFFUSER TO CFM SHOWN.
- 4 ADD ALT #1: PROVIDE PROGRAMMABLE THERMOSTAT IN THIS LOCATION FOR EXISTING VAV. TIE INTO EXISTING BUILDING AUTOMATION SYSTEM.
- 5 ADD ALT #2: PROVIDE RETURN GRILLE. COORDINATE EXACT DIFFUSER WITH ARCHITECTURAL PLANS.



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REMODEL**

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1	10-11-18	Owner Changes

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01	10-11-18	CONSTRUCTION BID DOCUMENTS

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DESIGNED BY: DJB

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SHEET TITLE:

**ADD ALTERNATE
MECHANICAL
PLANS**

SHEET NUMBER:

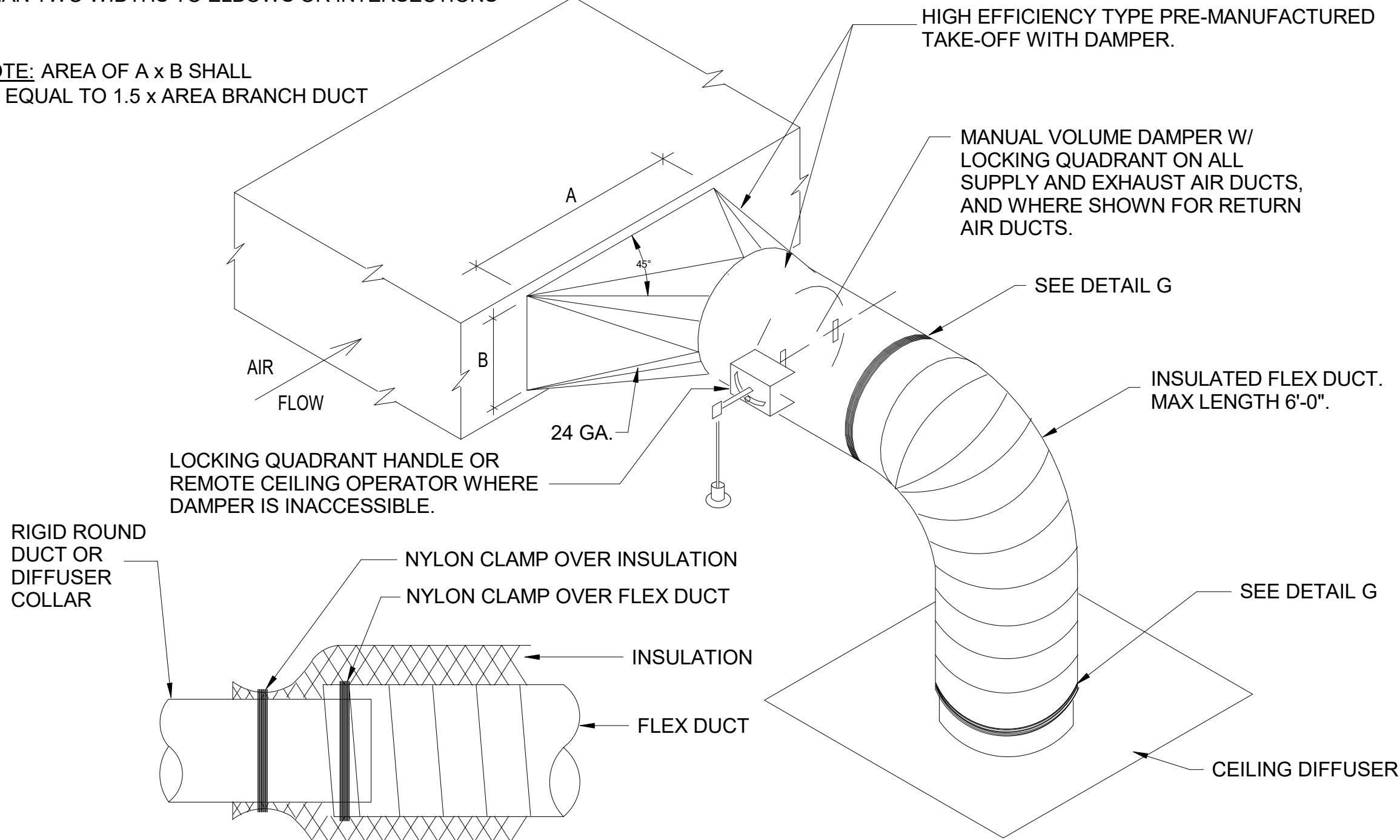
ME102

DIFFUSER AND GRILLE SCHEDULE											TAG CFM	TAG
TAG	MAX FLOW	FACE SIZE		NECK SIZE		CEILING TYPE	BLOW PATTERN	THROW @ 50 FPM	MAX NC	MANUF & MODEL	SCHEDULE NOTES	
		LENGTH	WIDTH	LENGTH/ DIAMETER	WIDTH							
D-1	260 CFM	24"	24"	8"	0"	LAY-IN	4 WAY	10'	25	PRICE SPD	1,4,5	
D-2	200 CFM	48"	8"	8"		LAY-IN	LINEAR	20'	25	PRICE ASP	3,4,6	
R-1	1,200 CFM	24"	24"	24"	24"	LAY-IN	N/A	0'	25	PRICE 535	2,4,5	

1. SHALL BE PRICE SPD OR APPROVED EQUAL.
2. SHALL BE PRICE 535 OR APPROVED EQUAL.
3. SHALL BE PRICE ASP WITH TWO 1" SLOTS OR APPROVED EQUAL.
4. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
5. FINISH SHALL BE STANDARD WHITE.
6. FINISH SHALL BE SPECIFIED BY ARCHITECT.

NOTE: TAKE-OFFS SHOULD NOT BE INSTALLED CLOSER THAN TWO WIDTHS TO ELBOWS OR INTERSECTIONS

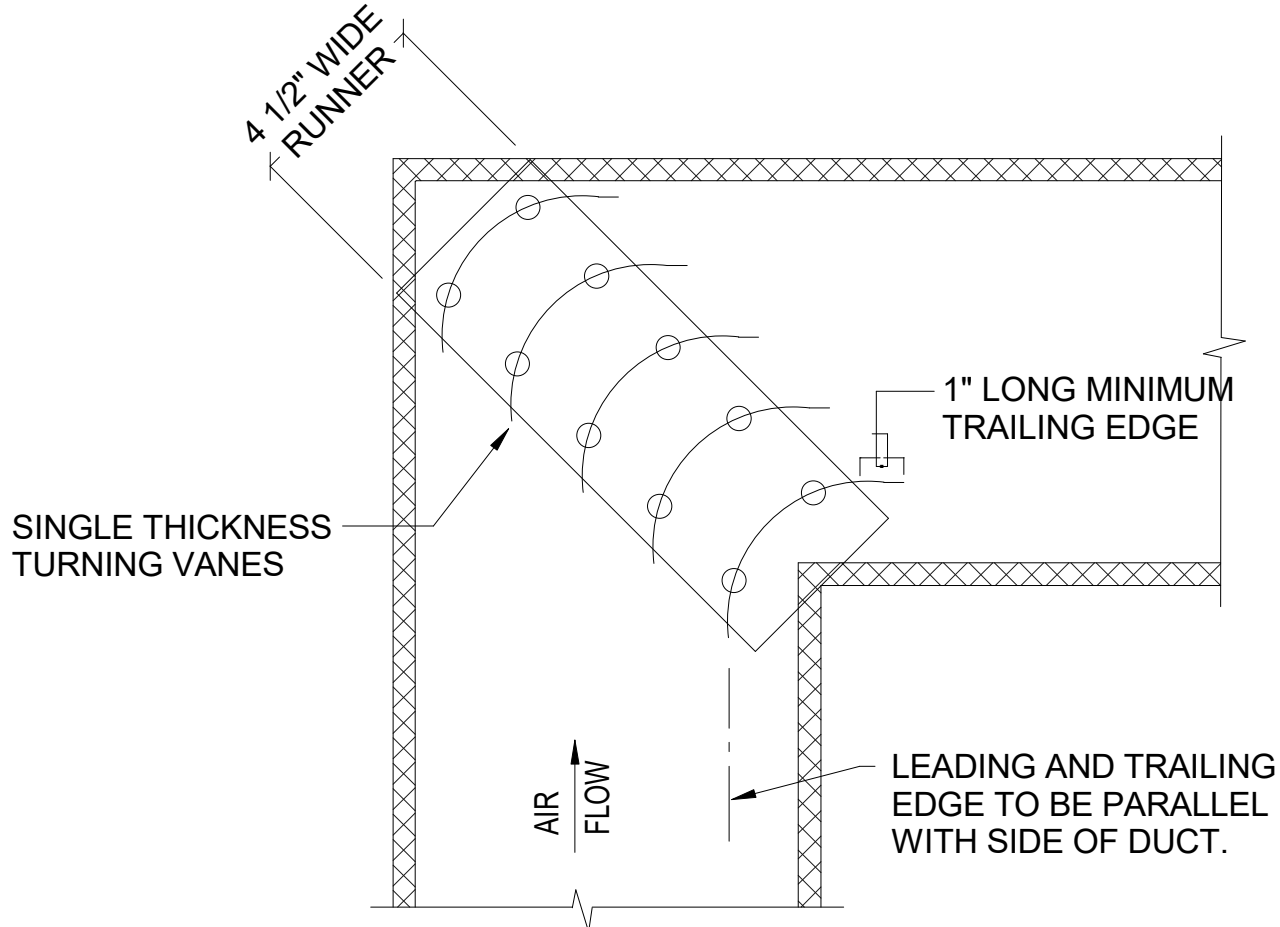
NOTE: AREA OF A x B SHALL BE EQUAL TO 1.5 x AREA BRANCH DUCT



DETAIL G
SCALE: NONE

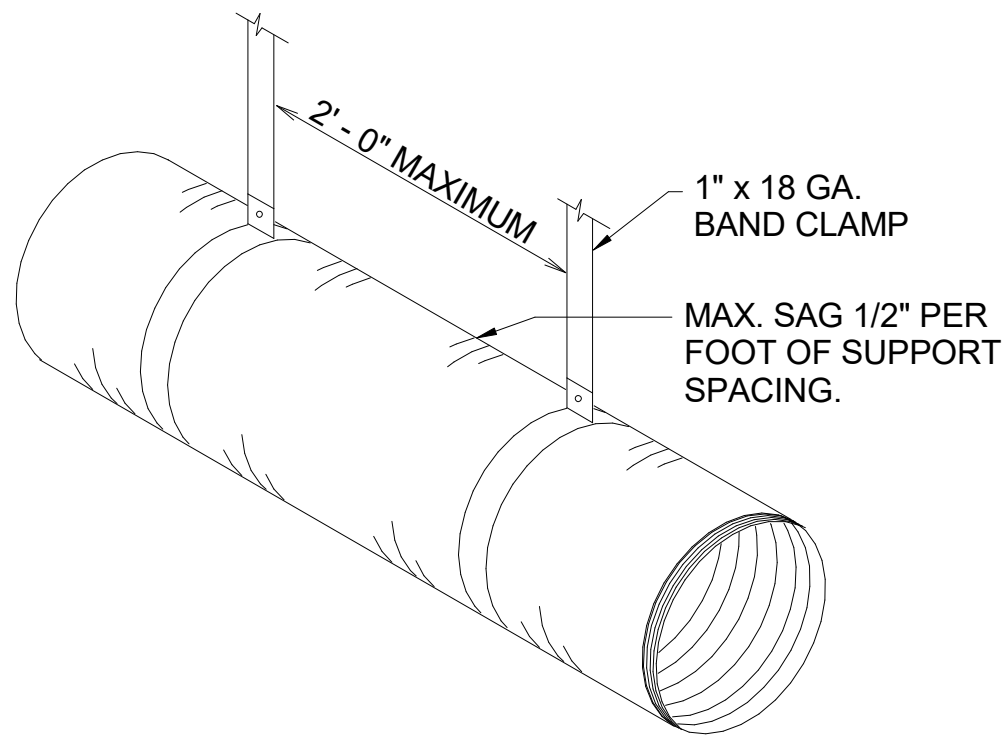
B1 SQUARE-TO-ROUND TAKE-OFF DETAIL

SCALE: NONE



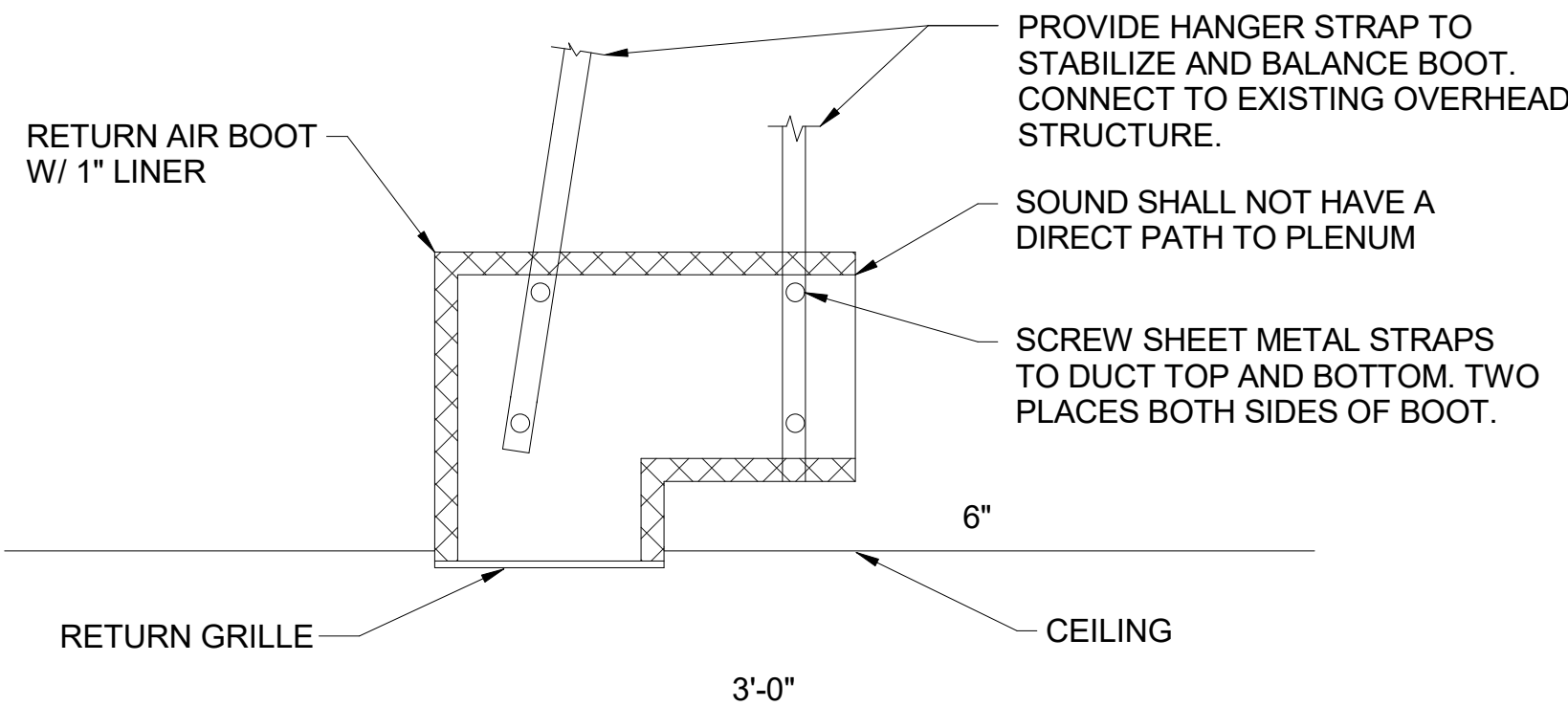
B3 SINGLE THICKNESS TURNING VANE DETAIL

SCALE: NONE



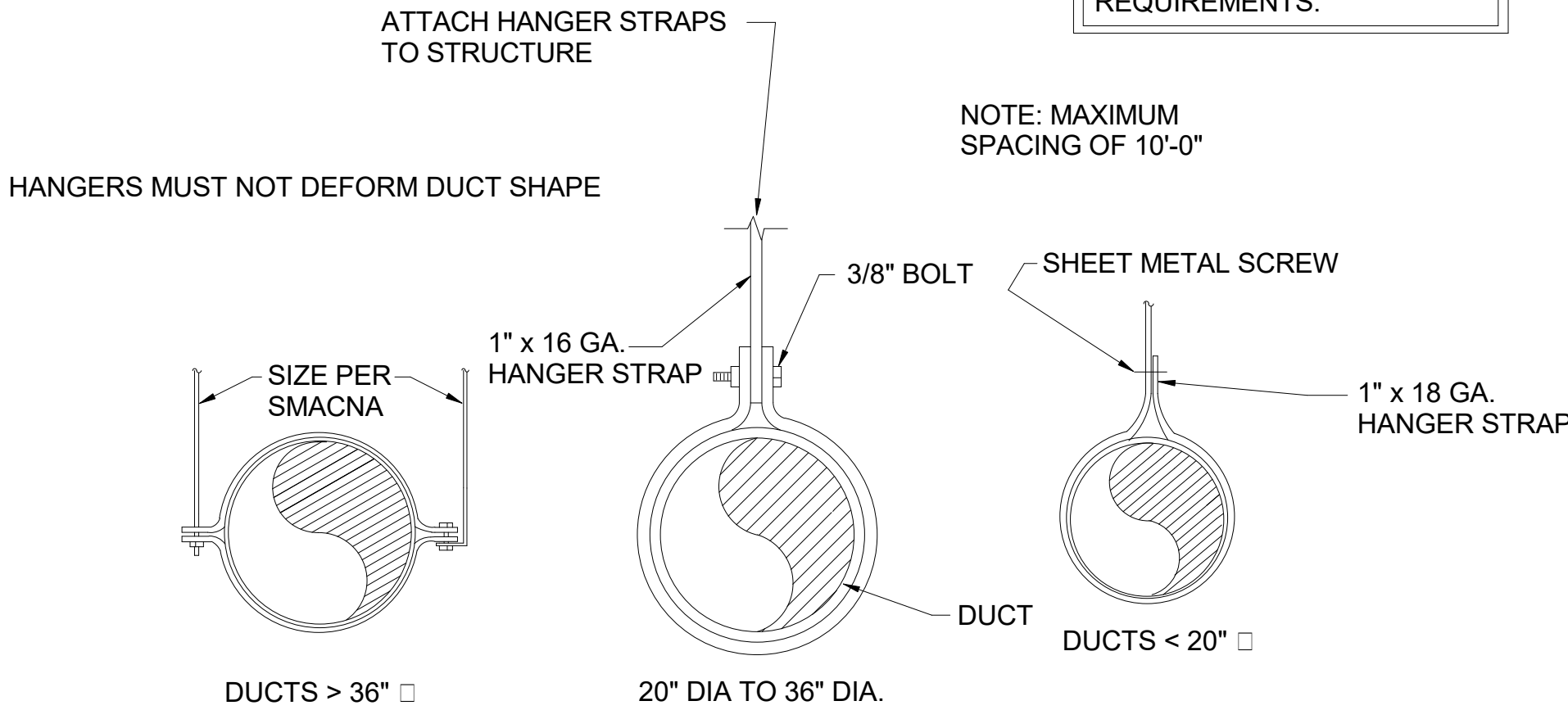
A1 FLEXIBLE DUCT SUPPORT DETAIL

SCALE: NONE



A3 RETURN AIR BOOT DETAIL

SCALE: NONE



A5 ROUND DUCT SUPPORT DETAIL

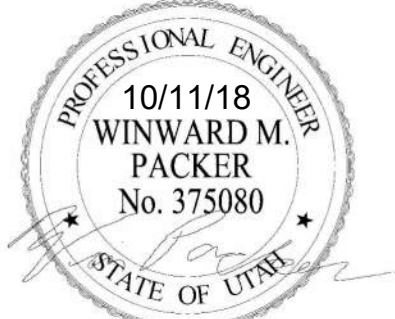
SCALE: NONE

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425 WASATCH DR.
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OWNER PROJECT #: 19075150

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DRAWN BY: DJB

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










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














**MECHANICAL
SCHEDULES AND
DETAILS**



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


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



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





FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	AUDIO HORN	INDOOR - 96" FROM FINISH FLOOR TO TOP OF DEVICE. OUTDOOR - 120" FROM FINISH FLOOR TO TOP OF DEVICE.	SUBSCRIPT 'WP' INDICATES THAT A WEATHER PROOF BACK BOX IS REQ. NUMERIC SUBSCRIPT INDICATES CANDELA RATING OF STROBE (I.E. - 15, 75, 110)
	FIRE ALARM VISUAL STROBE		
	FIRE ALARM AUDIO/VISUAL HORN/STROBE		
	CEILING MOUNTED FIRE ALARM AUDIO/VISUAL HORN/STROBE		
	FIRE ALARM AUDIO SPEAKER		
	FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
	CONCEAL FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
	CEILING MOUNTED FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
	FIRE FIGHTERS TELEPHONE JACK	+48"	
	FIRE PROTECTION SPRINKLER RISER BELL	+90"	FURNISHED BY FIRE PROTECTION CONTRACTOR AND INSTALLED AND CONNECTED BY DIV. 26
	FIRE ALARM CONTROL PANEL		









ACCESS CONTROL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	REQUEST-TO-EXIT MOTION DETECTOR	CEILING	
	ELECTROMAGNETIC DOOR STRIKE	DOOR	
	MAGNETIC DOOR CONTACT SWITCH	DOOR	
	MAGNETIC LOCK	DOOR	
	ELECTRIFIED LEVER	DOOR	
	ELECTRIFIED PANIC HARDWARE	DOOR	
	POWER SUPPLY	CEILING/WALL	
	INTEGRATED LOCK	+48"	
	PUSH PLATE FOR AUTOMATIC DOOR OPERATOR	+48"	
	AUTOMATIC DOOR OPERATOR	DOOR	
	KEYPAD	+48"	
	CARD READER / KEYPAD	+48"	
	MAGNETIC STRIP CARD READER / KEYPAD	+48"	
	CARD READER	+48"	
	MAGNETIC STRIP CARD READER	+48"	
	AUTOMATIC SLIDING DOOR	DOOR	


















CLOSED CIRCUIT TELEVISION SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	CLOSED CIRCUIT TELEVISION CAMERA (FIXED)	SEE PLANS	
	CLOSED CIRCUIT TELEVISION CAMERA (PAN/TILT/ZOOM)	SEE PLANS	



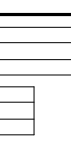














ELECTRONIC SYSTEM GENERAL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ELECTRONIC SYSTEM PANELBOARD (SURFACE MOUNT)	TOP AT 72"	ELECTRONIC SYSTEMS MAY INCLUDE BUT ARE NOT SPECIFICALLY LIMITED TO: TELEPHONE, DATA, TELEVISION, LIGHTING CONTROL, CLOCKS, FIRE ALARM, ACCESS CONTROL, SECURITY, CCTV, SOUND SYSTEM, NURSE CALL, OR INTERCOM.
	ELECTRONIC SYSTEM PANELBOARD (FLUSH MOUNT)	TOP AT 72"	
	ELECTRONIC SYSTEM TERMINAL BOARD	TOP AT 72"	

FLOOR BOX & POKE THRU SYMBOLS	
SYMBOL	DESCRIPTION
	FLOOR BOX - REFER TO SUBSCRIPT AND FLOOR BOX SCHEDULE FOR MORE INFORMATION
	PROVIDE 4" SQUARE DEEP OUTLET BOX AND ELECTRICAL CONNECTIONS TO SYSTEMS FURNITURE. COORDINATE SYSTEM FURNITURE WIRING REQUIREMENTS AND OUTLET BOX LOCATIONS WITH SYSTEM FURNITURE SUPPLIER/INSTALLER PRIOR TO ROUGH-IN. CONNECTION REQUIREMENTS ARE 4 CIRCUIT & WIRE. PROVIDE A TOTAL OF 8 CONDUCTORS TO EACH SYSTEM FURNITURE CONNECTION CONSISTING OF THREE CIRCUITS WITH SHARED EQUIPMENT GROUND AND SHARED OVERSIZE NEUTRAL, AND ONE DEDICATED CIRCUIT WITH DEDICATED ISOLATED GROUND AND DEDICATED NEUTRAL. SIZE THE SHARED NEUTRAL CONDUCTOR ONE SIZE (AWG) LARGER THAN THE LARGEST PHASE CONDUCTOR. WHIP FROM OUTLET BOX TO SYSTEMS FURNITURE TO BE PROVIDED BY SYSTEM FURNITURE INSTALLER.
	PROVIDE 4" SQUARE DEEP OUTLET BOX WITH GROMMETTED COVER PLATE FOR COMMUNICATION CABLING. COORDINATE PLACEMENT OF OUTLET BOXES IN WALLS AND COLUMNS WITH SYSTEM FURNITURE SUPPLIER/INSTALLER PRIOR TO ROUGH-IN. EXTEND 1-1/4" CONDUIT WITH NYLON PULL ROPE TO ACCESSIBLE CEILING SPACE. TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING. CABLE TO BE PROVIDED BY OWNER.
	POKE THROUGH - REFER TO SUBSCRIPT AND FLOOR BOX SCHEDULE FOR MORE INFORMATION.










TELEPHONE / DATA SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	TELEPHONE OUTLET	+18"	
	DATA OUTLET	+18"	
	COMBINATION TELEPHONE/DATA OUTLET	+18"	
	TELEPHONE TERMINAL BOARD	TOP AT 72"	
	WIRELESS ACCESS POINT	CEILING	XX=SEE TELECOM TERMINATION SCHEDULE
	WIRELESS ACCESS POINT	CEILING	XX=SEE TELECOM TERMINATION SCHEDULE








WIRING DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SIMPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	FOURPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
	EMERGENCY DUPLEX RECEPTACLE	+18"	
	EMERGENCY FOURPLEX RECEPTACLE	+18"	
	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.

LIGHTING CONTROLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SINGLE-POLE TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH	+48"	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
	THREE-WAY TOGGLE SWITCH	+48"	
	FOUR-WAY TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE
	TIMER SWITCH	+48"	
	OCCUPANCY SENSOR	+48"	REFER TO OCCUPANCY SENSOR SCHEDULE FOR MORE INFORMATION "W" SPECIFIES TYPE
	(2) SINGLE-POLE TOGGLE SWITCH	+48"	DUAL LEVEL SWITCH OUTBOARD LAMPS SEPARATELY FROM INBOARD LAMPS.
	LOW VOLTAGE SWITCH	+48"	REFER TO LOW VOLTAGE SWITCH SCHEDULE FOR MORE INFORMATION "W" SPECIFIES TYPE
	OCCUPANCY SENSOR	CEILING	"A" LOWER CASE SPECIFIES ZONE "W" SPECIFIES TYPE REFER TO OCCUPANCY SCHEDULE
	DIGITAL DAYLIGHT SENSOR	CEILING	"A" LOWER CASE LETTER SPECIFIES ZONE "W" SPECIFIES THE FOOTCANDLE SETTING THE SENSOR SHALL BE SET TO
	WALL MOUNT GRAPHIC TOUCH PAD CONTROLLER	+48"	
	EMERGENCY CONTROLLER	ACCESSIBLE ABOVE CEILING	
	LOAD CONTROLLER	ACCESSIBLE ABOVE CEILING	
	POWER PACK	ACCESSIBLE ABOVE CEILING	
	ROOM CONTROLLER	ACCESSIBLE ABOVE CEILING	

LIGHTING SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	PARABOLIC - LOUVERED LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	RECESSED INDIRECT LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	LINEAR WALL WASHER	AS SPECIFIED OR DETAILED	
	RECESSED DOWN LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL-WASHER OR DIRECTIONAL DOWNLIGHT	AS SPECIFIED OR DETAILED	
	SURFACE OR PENDANT-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	TRACK OR MONO-POINT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	WALL SCONCE	AS SPECIFIED OR DETAILED	
	LINEAR PENDANT LIGHT FIXTURE	CEILING	
	EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY
	EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	DARKENED PORTION OF SIGN INDICATES FACE(S); ARROW(S) INDICATE CHEVRON DIRECTION(S)
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	
	ELECTRIC PHOTOCELL	N/A	MOUNT ON ROOF FACING NORTH SKY
	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		

- ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES**
1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.
 2. WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.
 3. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.
 4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.

GENERAL SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
	KEYED NOTE	
	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER; BOTTOM LETTER-NUMBER INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN, WHERE NOT SPECIFICALLY REFERENCED, DETAIL IS GENERAL IN NATURE AND SHALL APPLY WHERE APPLICABLE.
	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
	SECTION REFERENCE	TOP NUMBER INDICATES SECTION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE SECTION IS SHOWN.
	ARCHITECTURAL ROOM NUMBER	
	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
	BREAKLINE	USED TO BREAK DRAWINGS.
	LIGHTING CONTROL WIRING DIAGRAM CALLOUT	

BRANCH CIRCUITING SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
	BRANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) TURNED DOWN OR AWAY FROM OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) CONTINUATION	
	CONDUIT STUB-IN	CAP AND MARK
	INCOMING SERVICE	
	UNDERGROUND FEEDER	
	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE.

- GENERAL PROJECT NOTES:**
1. DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATION SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES. THERE WILL BE NO EXCEPTIONS.
 2. THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING. AT THEIR DISCRETION WITH THE ELECTRICAL ENGINEER AND REVIEW THE DRAWINGS AND SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE.
 3. THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS. THESE ITEMS DO NOT REPRESENT ALL ITEMS AND THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF THE SPECIFICATIONS.
 - A. INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZES USED ON THIS PROJECT.
 - B. A DEDICATED NEUTRAL CONDUCTOR WILL BE PROVIDED FOR ALL LIGHTING AND POWER CIRCUITS.
 - C. THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS.
 - D. THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL AND NATIONAL CODE.
 4. THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED A SPECIFIC AREA OF THE BUILDING. NO DEVIATION WILL BE ALLOWED WITHOUT THE APPROVAL FROM THE ELECTRICAL ENGINEER.
 5. THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB, PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
 6. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO EXTRA PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY HIS FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.
 7. THE CONTRACTOR SHALL MAKE SURE THAT ALL BRANCH CIRCUITS THAT ARE AFFECTED BY THIS PROJECT ARE NOT OVERLOADED. PROVIDE ADDITIONAL BRANCH CIRCUITS FROM ELECTRICAL PANELS AS NECESSARY TO COMPLY WITH THE BRANCH CIRCUIT LOADING REQUIREMENTS. PROVIDE ALL MATERIAL AND LABOR AS NECESSARY FOR A COMPLETE AND OPERATING SYSTEM.
 8. PROVIDE UPDATED, TYPED PANELBOARD SCHEDULE(S) TO REFLECT ALL THE CHANGES MADE INCLUDING EXISTING LOADS. THE EXISTING LOADS SHALL BE NAMED THE SAME AS LISTED ON THE EXISTING PANELBOARD SCHEDULE.

SHEET INDEX	
EG001	GENERAL NOTES AND SYMBOL LISTS
ED101	LEVEL 1 DEMOLITION PLAN
EL101	LEVEL 1 LIGHTING PLAN
EL601	LIGHTING DETAILS & SCHEDULES
EP101	LEVEL 1 POWER PLAN
EP601	ELECTRICAL SCHEDULES

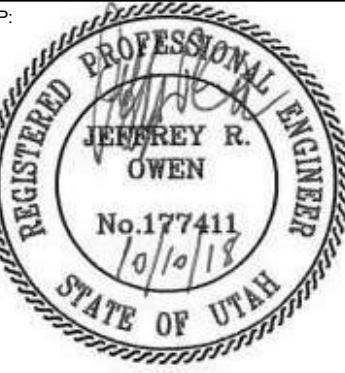
ABBREVIATION SCHEDULE	
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.	
A	ABOVE COUNTER
A	AMP OR AMPS
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AL	ALUMINUM
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
C.O.S	CONVENIENCE OUTLETS
CU	COPPER
DAS	DISTRIBUTED ANTENNA SYSTEM
EA	EACH
ELEC	ELECTRICAL
EM	EMERGENCY
ENT	ELECTRIC METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
E, EX	EXISTING
EXP	EXPLOSION PROOF
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
FGB	FREIGHT ON BOARD
GND	GROUND CONDUCTOR
HOA	HAND-OFF-AUTO
HP	HORSE POWER
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INS	INSULATED
ISO	ISOLATED
KVA	KILO VOLT AMPERES
KW	KILOWATTS
LFMC	LIQUID-TIGHT METAL CONDUIT
LFNC	LIQUID-TIGHT NONMETAL CONDUIT
MCA	MINIMUM CIRCUIT AMPS
MLO	MAIN LUGS ONLY
N.C.	NORMALLY CLOSED
N.I.C	NOT IN CONTRACT
N.L	NIGHT LIGHT
N.O.	NORMALLY OPEN
O.C.	ON CENTER(S)
OC	OVER CURRENT PROTECTION
QTY	QUANTITY
R	REMOVE
REQ.	REQUIREMENTS
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
RR	REMOVE AND RELOCATE
SS	SURGE SUPPRESSION
SCP	SECURITY CONTROL PANEL
SCP	TAMPER RESISTANT
TYP	TYPICAL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UF	UNDER FLOOR
UG	UNDERGROUND
U.N.O.	UNLESS NOTED OTHERWISE
USB	UNIVERSAL SERIAL BUS
W/	WITH
WPR	WEATHER PROOF
WPR	TRANSFORMER

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PROJECT NAME:

2018 LAYTON 2ND DISTRICT COURT CLERICAL COUNTER REMODEL

425 WASATCH DR.
LAYTON, UTAH 84041

REVISIONS:

NO. DATE DESCRIPTION

1 10/11/18 CONSTRUCTION BID DOCUMENTS

Last Plotted: 10/11/2018 11:20:46 AM

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A

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C

D

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1

LEVEL 1 - DEMOLITION

1/4" = 1'-0"

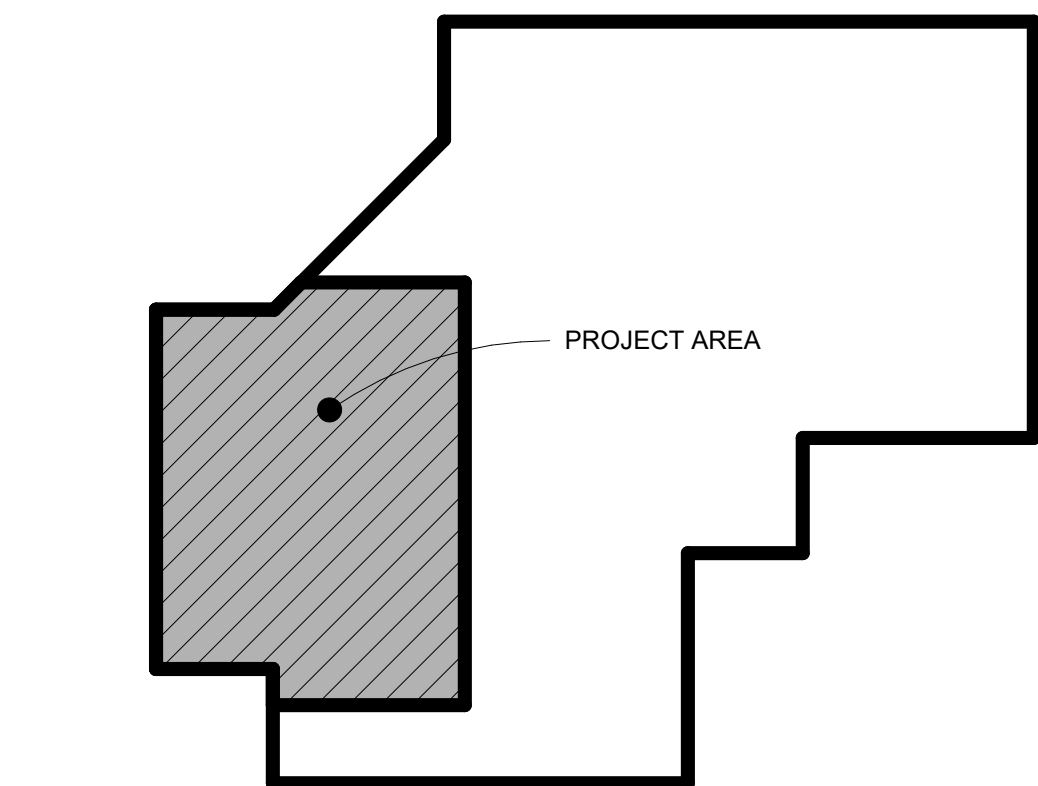
NORTH

GENERAL DEMOLITION NOTES:

- UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK & DASHED LINES. LIGHT & SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO. OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. INSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
 - COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.

KEYED NOTES

- EXISTING EXIT SIGN TO REMAIN.
- EXISTING LIGHT FIXTURE TO REMAIN.
- EXISTING SWITCHES TO BE REMOVED.
- EXISTING DEVICE TO REMAIN.
- EXISTING LIGHT FIXTURE TO BE REMOVED. DISCONNECT AND REMOVE CIRCUITING BACK TO NEAREST EXISTING DEVICE TO REMAIN.
- PROVIDE ADD ALTERNATE PRICE TO DISCONNECT AND REMOVE ALL 2X4 LIGHT FIXTURES IN THIS SPACE AND REPLACE PER EL101. EXISTING CIRCUITING AND SWITCHING TO REMAIN.
- EXISTING CAMERA TO BE DISCONNECTED AND RELOCATED.



KEY PLAN

1" = 40'-0"



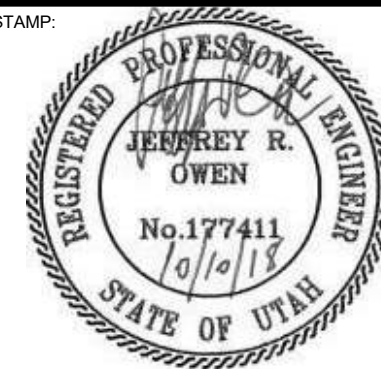
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PROJECT NAME:

**2018 LAYTON 2ND DISTRICT
COURT CLERICAL COUNTER
REMODEL**

425 WASATCH DR.
LAYTON, UTAH 84041

REVISIONS:

NO. DATE DESCRIPTION

ISSUED:

NO.	DATE	DESCRIPTION
1	10/11/18	CONSTRUCTION BID DOCUMENTS

OWNER PROJECT #: 19075150

SPE PROJECT #: 18-26

DRAWN BY: JB

CHECKED BY: JO

DESIGNED BY: JB

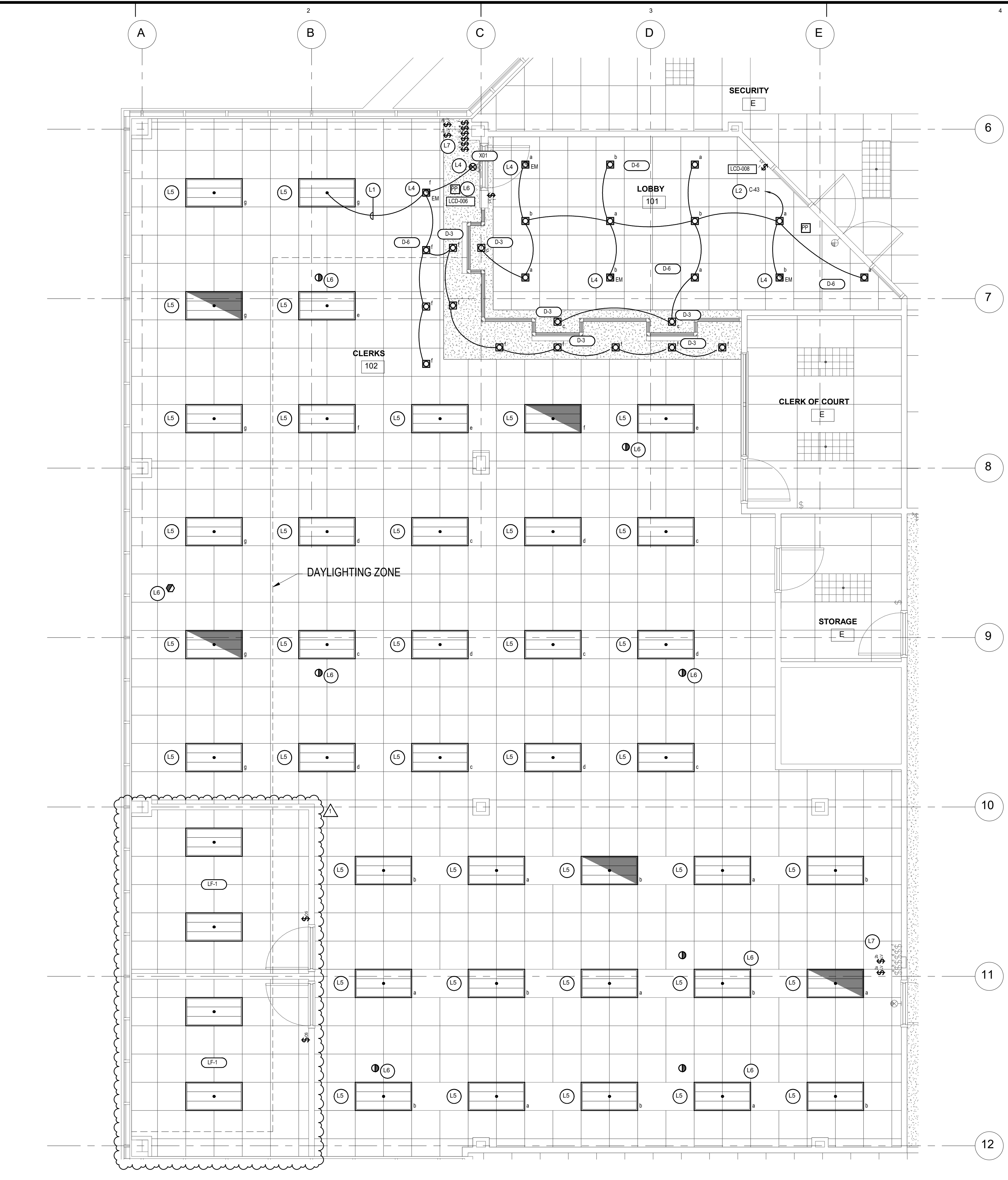
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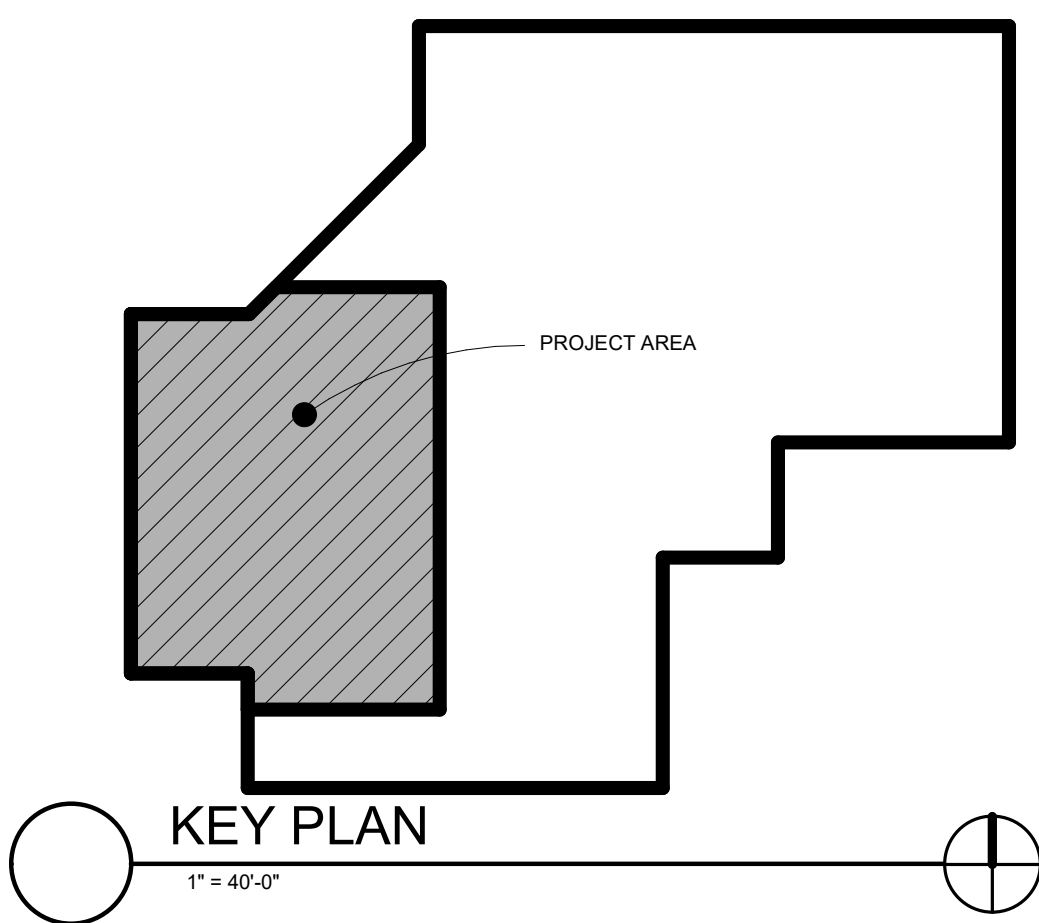
**LEVEL 1
DEMOLITION
PLAN**

SHEET NUMBER:

ED101



- LIGHTING GENERAL NOTES:**
- REFER TO EL601 FOR TYPICAL CONTROL WIRING DIAGRAMS. PROVIDE COMPLETE SYSTEM WITH ALL REQUIRED CONDUIT, WIRING, SWITCHES, SENSORS, POWER PACK, ETC.
 - LOCATE POWER PACKS AND ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING NEAR ROOM ENTRANCES.
 - CONFIRM ALL LOCATIONS OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
- KEYED NOTES**
- TIE NEW DOWNLIGHTS INTO EXISTING LIGHTING CIRCUIT SERVING AREA.
 - CONNECT NEW LOBBY LIGHTING TO CIRCUIT C-43 OR AVAILABLE SPARE BREAKER IN PANEL C.
 - PROVIDE 1400 LUMEN BATTERY PACK.
 - PROVIDE ADD ALTERNATE PRICE TO REPLACE ALL 2X4 LIGHT FIXTURES IN THIS SPACE WITH LF-1 PER LIGHT FIXTURE SCHEDULE. EXISTING CIRCUITING AND SWITCHING TO REMAIN.
 - IF ALTERNATE IS ACCEPTED PROVIDE NEW LOW VOLTAGE SWITCHES, POWER PACKS, DAYLIGHT SENSORS, OCCUPANCY SENSORS, ETC TO MEET IECC 2015 REQUIREMENTS.
 - IF ALTERNATE IS ACCEPTED PROVIDE NEW LOW VOLTAGE SWITCHES IN PLACE OF LINE VOLTAGE SWITCHES IN THIS LOCATION PER PUSH BUTTON SCHEDULE.



1 LEVEL 1 - LIGHTING
1/4" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER
JEREMY R. OWEN
No. 177411
9/9/18
STATE OF UTAH

CODE OFFICIAL STAMP

REVIEWED FOR
CODE COMPLIANCE
SIGNATURE: [Signature]
DATE: 9/9/18

PROJECT NAME:

**2018 LAYTON 2ND DISTRICT
COURT CLERICAL COUNTER
REMODEL**

425 WASATCH DR
LAYTON, UTAH 84041

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/06/20	OWNER REQUESTED CHANGES

ISSUED:

NO.	DATE	DESCRIPTION
1	10/11/18	CONSTRUCTION BID DOCUMENTS

OWNER PROJECT #: 19075150
SPE PROJECT #: 18-26
DRAWN BY: JB
CHECKED BY: JO
DESIGNED BY: JB

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SHEET TITLE:

**LEVEL 1
LIGHTING PLAN**

SHEET NUMBER:

EL101

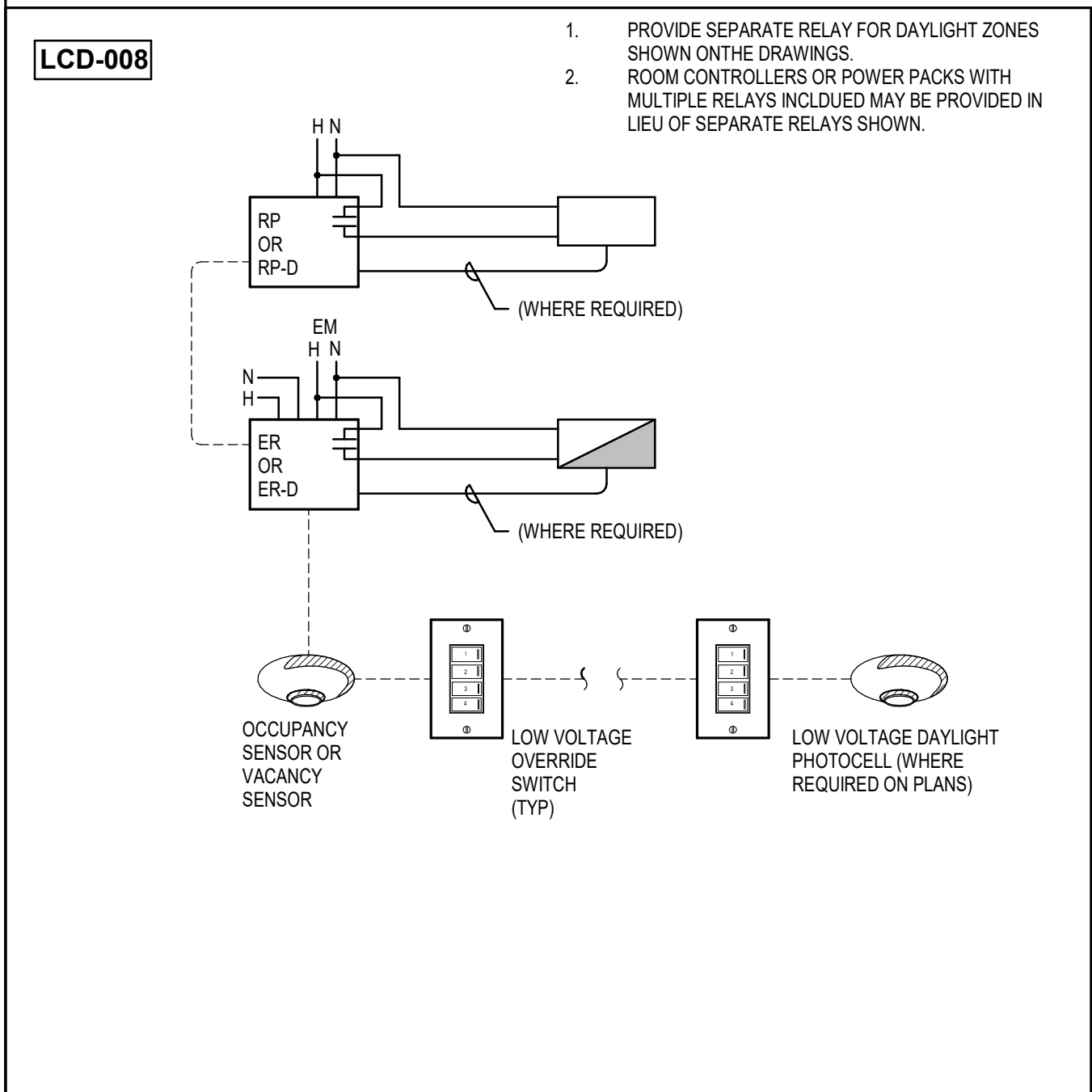
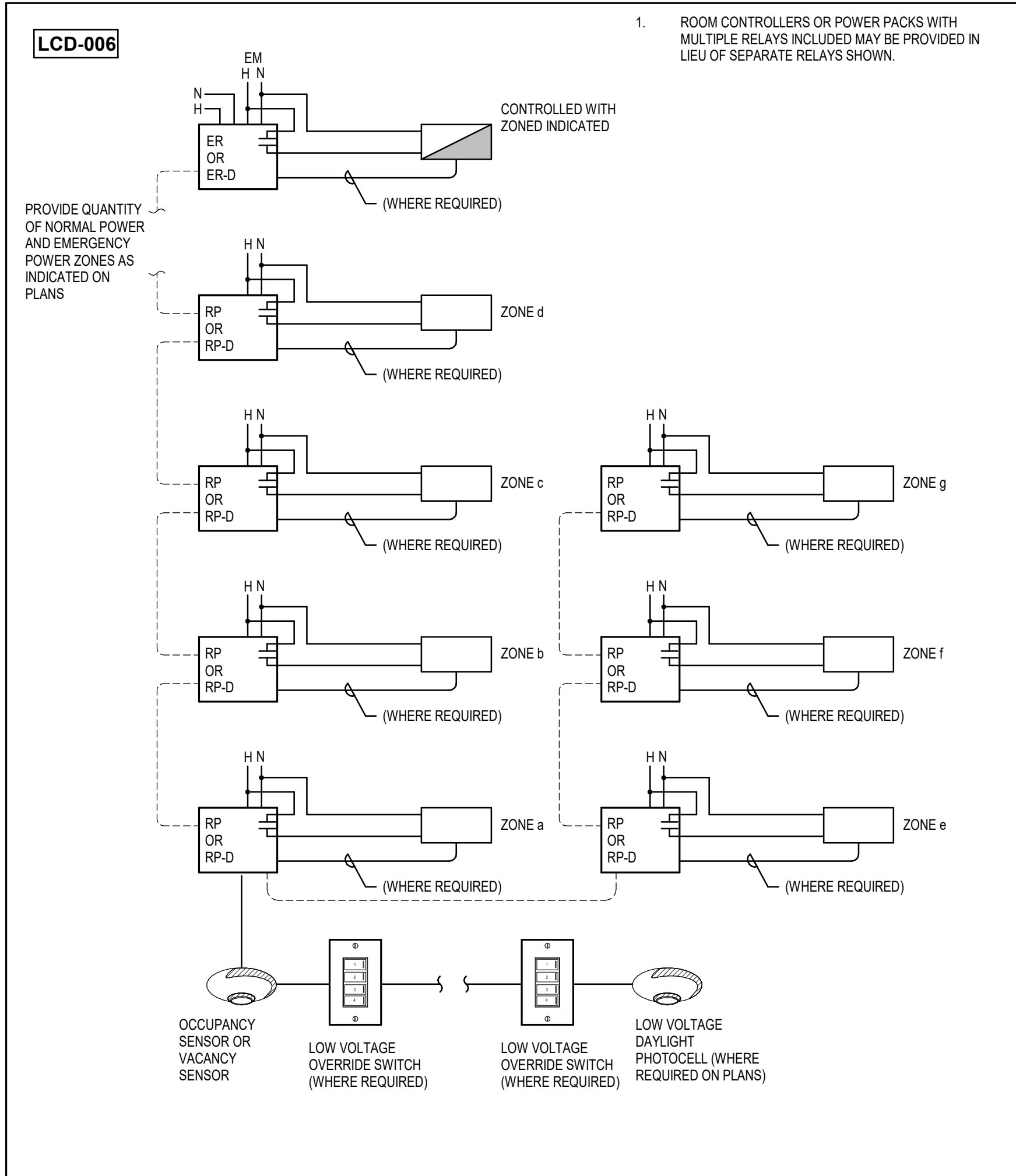
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LOW VOLTAGE PUSHBUTTON SCHEDULE									
SWITCH ID	SWITCH CONFIGURATION	BUTTONS - AREA/LOAD CONTROLLED							
		B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8
1	5 BUTTON	ON/OFF RAISE/LOWER	GROUP "a"	GROUP "b"	GROUP "c"	PROGRAM PER OWNER			
2a	8 BUTTON	ALL ON/OFF	GROUP "a"	GROUP "b"	GROUP "c"	GROUP "d"	GROUP "e"	GROUP "f"	GROUP "g"
2b	DIMMER	RAISE/LOWER TIE TO SWITCH 2a							

LIGHT FIXTURE SCHEDULE							
TYPE	DESCRIPTION	SOURCE	ELECTRICAL		APPROVED MANUFACTURERS	CATALOG INFORMATION	
			VOLTAGE	LOAD		CATALOG NUMBER / SERIES	COMMENTS / NOTES
D-3	OPEN REFLECTOR LED DOWN LIGHT APERTURE: 4" REFLECTOR: CLEAR REFLECTOR FINISH: SEMI-SPECULAR LENS TYPE: NONE MAXIMUM DEPTH: 9" FLANGE: SELF FLANGED FLANGE COLOR: PAINTED WHITE	LED 0-10V DIMMING	120 V	20	LITHONIA	LDN4-35-15-L04-AR-LSS-MVOLT-GZ10-TRW	
D-6	OPEN REFLECTOR LED DOWN LIGHT APERTURE: 6" REFLECTOR: CLEAR REFLECTOR FINISH: SEMI-SPECULAR LENS TYPE: NONE MAXIMUM DEPTH: 9" FLANGE: SELF FLANGED FLANGE COLOR: PAINTED WHITE	LED 0-10V DIMMING	120 V	23	LITHONIA	LDN6-35-20-L06-AR-LSS-MVOLT-GZ10-TRW	PROVIDE EL BATTERY PACK AS REQUIRED PER PLAN
LF-1	2'x4' LED LAY-IN GRID FIXTURE	LED	120 V	64	LITHONIA	2BLT4-48L-ADSM-MVOLT-EZ1-LP835	PROVIDE EL14 BATTERY PACK AS REQUIRED PER PLAN
X01	THERMOPLASTIC LED EXIT SIGN WHITE HOUSING UNIVERSAL CEILING/BACK MOUNTING REFER TO DRAWINGS FOR ARROWS NICKEL CADMIUM BATTERY	LED	120 V	2	LITHONIA	LQM-P-W-1-G-120/277-ELN	REFER TO DRAWINGS FOR ARROWS.

LIGHT FIXTURE GENERAL NOTES		KEY									
<div>1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.</div> <div>2. CONFIRM MOUNTING HEIGHTS AND LOCATIONS OF ALL LIGHT FIXTURES WITH ARCHITECTURAL ELEVATIONS AND / OR ARCHITECT.</div> <div>3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE REQUIREMENTS.</div> <div>4. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.</div> <div>5. ALL LIGHT FIXTURES ARE TO BE 3500K FOR INTERIOR APPLICATIONS VERIFY COLOR TEMPERATURE OF EXISTING LIGHTS AND MATCH, UNLESS OTHERWISE NOTED IN THE FIXTURE DESCRIPTION.</div> <div>6. ALL LIGHT FIXTURES ARE TO BE A MINIMUM OF 80 CRI UNLESS OTHERWISE NOTED IN THE FIXTURE DESCRIPTION.</div> <div>7. ALL LED SOURCES MUST MEET L80 AT 50,000 HRS MINIMUM UNLESS OTHERWISE NOTED.</div> <div>8. CONFIRM ALL MOUNTING REQUIREMENTS WITH ARCHITECT PRIOR TO RELEASE.</div> <div>9. ALL LIGHT FIXTURES ARE TO HAVE AN EFFICACY OF 80 LUMENS PER WATT MINIMUM.</div>		<div>EXAMPLE:</div> <table><tr><th>SERIES</th><th>SEQUENCE</th></tr><tr><td>B</td><td>1</td></tr><tr><td>D</td><td>1</td></tr><tr><td>D</td><td>2</td></tr></table> <div>B - BOLLARD MOUNTED FIXTURES</div> <div>C - CEILING MOUNTED FIXTURES (ALL STRIP LIGHTS, ALL HIGHBAYS, SURFACE MOUNTED FIXTURES)</div> <div>D - DOWNLIGHTS</div> <div>G - GRID MOUNTED FIXTURES</div> <div>N - CONCEALED MOUNTING (COVE, TAPE, ETC.)</div> <div>O - OTHER LIGHT FIXTURES</div> <div>P - PENDANT FIXTURES</div> <div>L - POLE FIXTURES (POLE INCLUDED IN FIXTURE DESCRIPTION)</div> <div>R - RECESSED FIXTURES</div> <div>T - TRACK LIGHT FIXTURES</div> <div>U - UNIVERSAL MOUNTING (FLOOD LIGHTS, SPOT LIGHTS, ETC.)</div> <div>W - WALL MOUNTED FIXTURES</div> <div>X - EXIT SIGNS</div>		SERIES	SEQUENCE	B	1	D	1	D	2
SERIES	SEQUENCE										
B	1										
D	1										
D	2										
BIDDING REQUIREMENTS											
<div>1. BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM.</div> <div>2. PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS NOT ALLOWED AND MUST BE BID SEPARATELY. I.E. LIGHT FIXTURES, THEATRICAL LIGHTING, SPORTS LIGHTING AND ALL LIGHTING CONTROLS.</div> <div>3. WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND / OR CONTRACTOR.</div> <div>4. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.</div>											
LIGHT FIXTURE PRIOR APPROVAL REQUIREMENTS											
<div>1. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT.</div> <div>2. PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE <u>AT LEAST (8) WORKING DAYS BEFORE BID</u> TIME. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.</div> <div>3. ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVALS WILL <u>NOT</u> BE GIVEN ON ANY ITEM.</div> <div>4. IT IS NOT THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.</div> <div>5. PRIOR APPROVALS SHALL CONSIST OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED. PRODUCTS WITHOUT PHOTOMETRIC DATA WILL <u>NOT</u> BE APPROVED.</div> <div>6. LIGHTING PACKAGES WILL BE REVIEWED FOR GENERAL PROJECT COMPLIANCE ONLY. AN IN-DEPTH REVIEW OF ANY ALTERNATE FIXTURES WILL BE DONE DURING THE SUBMITTAL REVIEW PROCESS. ANY FIXTURES THAT ARE NOT TRULY EQUAL, AND / OR DO NOT COMPLY WITH ALL OF THE REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS, WILL NOT BE APPROVED.</div>											

LIGHTING WIRING DIAGRAMS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	LIGHT SWITCH	+48"	
	LOW VOLTAGE LIGHT SWITCH	+48"	"x" NUMBER INDICATES SWITCH TYPE SEE SWITCH SCHEDULE
	WALL MOUNT GRAPHIC TOUCH PAD CONTROLLER	+48"	SEE SWITCH SCHEDULE FOR SETTINGS
	OCCUPANCY SENSOR OR VACANCY SENSOR (AS NOTED ON PLANS)	CEILING	"a" LOWER CASE LETTER SPECIFIES ZONE
	DIGITAL DAYLIGHT SENSOR	CEILING	# SPECIFIES THE FOOTCANDLE SETTING THE SENSOR SHALL BE SET TO "a" LOWER CASE LETTER SPECIFIES ZONE
	NORMAL POWER LIGHTING LOAD	CEILING	"a" LOWER CASE LETTER SPECIFIES ZONE
	EMERGENCY POWER LIGHTING LOAD	CEILING	"a" LOWER CASE LETTER SPECIFIES ZONE
	RP: RELAY PACK RP-D: DIMMING RELAY PACK LC: RECEPTACLE LOAD CONTROLLER	ABOVE ACCESSIBLE CEILING	RELAYS MAY BE COMBINED IN ROOM CONTROLLER OR POWER PACKS.
	ER: EMERGENCY RELAY PACK ER-D: EMERGENCY DIMMING RELAY PACK	ABOVE ACCESSIBLE CEILING	RELAYS MAY BE COMBINED IN ROOM CONTROLLER OR POWER PACKS.
	3/4" C WITH LIGHTING BRACH CIRCUIT WIRING		
	3/4" C WITH 0-10V DIMMING WIRING		
	3/4" C WITH CAT 5 CABLING		
LIGHTING CONTROL NOTES			
1. PROGRAMMING SHALL BE COMPLETED BY THE CONTRACTOR PRIOR TO SUBSTANTIAL COMPLETION. 2. CONTRACTOR SHALL MODIFY PROGRAMMING AND PRESET SCENES AS REQUESTED BY OWNER. 3. PROVIDE FINE TUNING PROGRAMMING MODIFICATIONS AS REQUESTED BY THE OWNER WITHIN 6 MONTHS AFTER BUILDING OCCUPANCY. 4. IN ADDITION TO PRESET SCENES PROVIDE INDIVIDUAL CONTROL FOR EACH ZONE. 5. ALL WIRING DIAGRAMS ARE GENERAL IN NATURE. SPECIFIC CONFIGURATION AND QUANTITIES DUE TO MANUFACTURE AVAILABILITY WILL VARY. CONTRACTOR MUST PROVIDE ALL REQUIRED PARTS OF THE SYSTEM TO PERFORM AS INTENDED. 6. PROVIDE DEVICE COUNT, DEVICE TYPE, QUANTITY OF POWER PACKS AS NEEDED TO RETROFIT THE ROOMS BEING REMODELED.			



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CODE OFFICIAL STAMP:

PROJECT NAME:
2018 LAYTON 2ND DISTRICT COURT CLERICAL COUNTER REMODEL
425 WASATCH DR.
LAYTON, UTAH 84041

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/11/18	CONSTRUCTION BID DOCUMENTS

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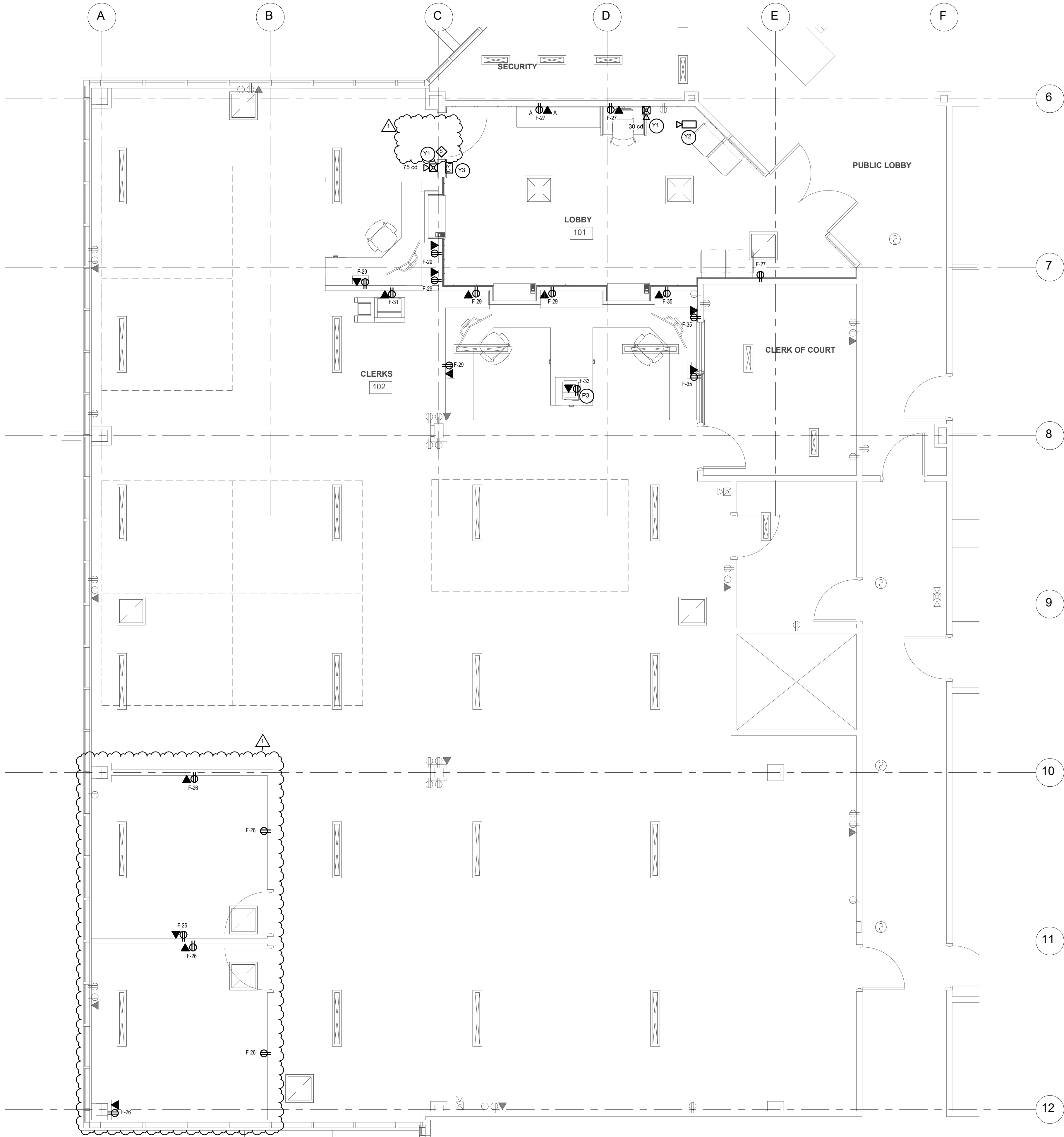
NO.	DATE	DESCRIPTION

OWNER PROJECT #: 19075150
SPE PROJECT #: 18-26
DRAWN BY: JB
CHECKED BY: JO
DESIGNED BY: JB
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SHEET TITLE:
LIGHTING DETAILS & SCHEDULES

SHEET NUMBER:
EL601

2/7/2019 9:06:04 AM
Last Plotting:



1 LEVEL 1 - POWER
1/4" = 1'-0"

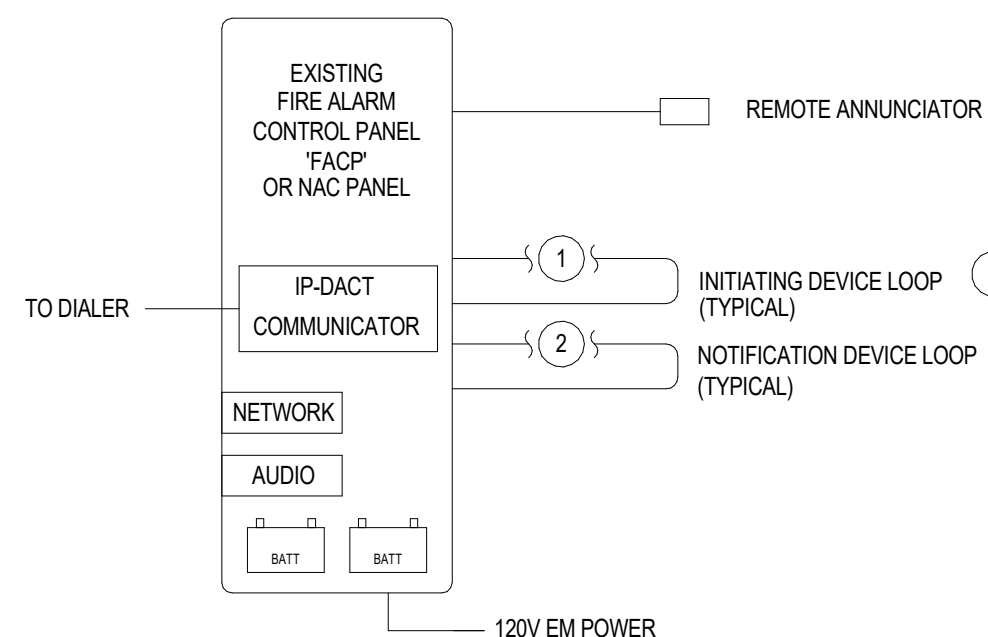
- POWER GENERAL NOTES:**
- ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6' OF ANY SINK SHALL BE GFCI.
 - THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.
- KEYED NOTES** #
- P3 PROVIDE POWER AND DATA OUTLETS LOCATED IN FURNITURE. COORDINATE WITH FURNITURE PROVIDER.
- Y1 PROVIDE NEW HORN/STROBE OF SAME TYPE AND MANUFACTURER AS EXISTING. TIE TO EXISTING LOOP IF POSSIBLE. IF EXISTING LOOP IS AT CAPACITY PROVIDE NEW LOOP FROM FIRE ALARM PANEL. WIRES MUST BE CONTINUOUS FROM DEVICE TO DEVICE.
- Y2 RELOCATE EXISTING CAMERA TO THIS LOCATION. PULL NEW CABLE FROM TELECOM CABINET TO NEW LOCATION. TELECOM CABINET IS BELIEVED TO BE IN COMPUTER 149, VERIFY EXACT LOCATION PRIOR TO BID.
- Y3 PROVIDE NEW CARD ACCESS DEVICE. VERIFY COMPATIBILITY WITH EXISTING SYSTEM.

FIRE ALARM KEYED NOTES: #

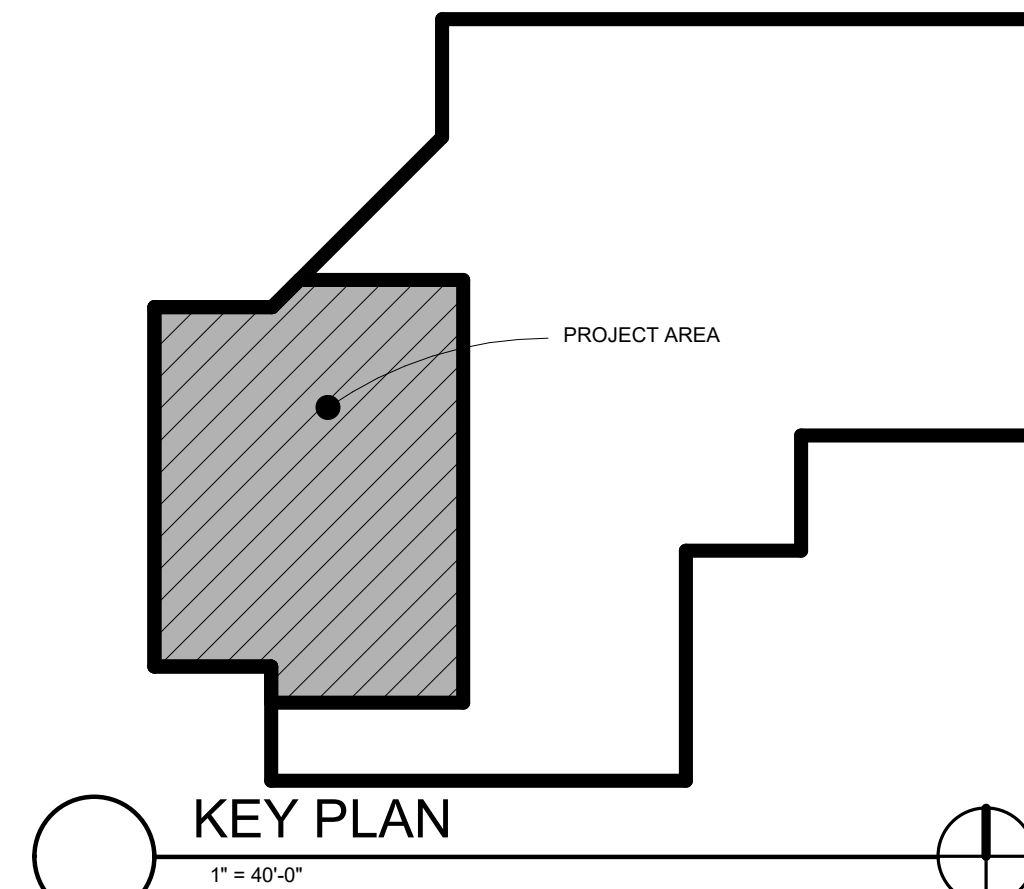
- AS NEEDED EXTEND 3/4" CONDUIT WITH POWER CONDUCTORS TO FIRE ALARM HORN/STROBES, HORNS, AND STROBES. REFER TO THE SYSTEMS PLANS FOR QUANTITIES, DEVICE TYPES AND LOCATIONS. PROVIDE SYNC MODULES FOR STROBES AS REQUIRED TO COMPLY WITH ALL APPLICABLE ADA CODES. CIRCUIT HORNS AND STROBES PER ALL MANUFACTURERS RECOMMENDATIONS.
- AS NEEDED EXTEND A 3/4" CONDUIT WITH INITIATING DEVICE CABLE TO ADDRESSABLE FIRE ALARM DEVICES INCLUDING SMOKE DETECTORS, DUCT SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, MONITOR MODULES, AND CONTROL MODULES. REFER TO SYSTEMS PLANS FOR QUANTITIES AND DEVICE TYPES. INCLUDE POWER WIRING AS REQUIRED FOR CONTROL MODULES AND DUCT SMOKE DETECTORS.
- AS NEEDED PROVIDE NEW LOOPS, CONDUIT, WIRING, PANELS, POWER SUPPLIES, ETC. AS REQUIRED TO SUPPORT NEW FIRE ALARM DEVICES AS SHOWN ON EY PLAN SHEETS. MATCH EXISTING MANUFACTURER PRODUCTS COMPATIBLE WITH EXISTING SYSTEM.

FIRE ALARM SYSTEM NOTES:

- VERIFY BRAND OF EXISTING ADDRESSABLE FIRE ALARM SYSTEM.
- CONFIRM ALL WIRING REQUIREMENTS WITH FIRE ALARM SYSTEM SUPPLIER AND PROVIDE IN ACCORDANCE THEREWITH.
- THE SYSTEM SHALL BE PROGRAMMED SO THAT IF ANY INITIATION DEVICE IS ACTUATED, AN ALARM SIGNAL WHICH IS AUDIBLE THROUGHOUT THE TENANT SPACE WILL BE ACTIVATED.
- WIRING SHALL BE CONTINUOUS FROM ONE DEVICE TO ANOTHER. NO SPLICING IS ALLOWED.
- ALL FIRE ALARM CABLING SHALL BE RUN IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4". CONTRACTOR SHALL SPRAY PAINT ALL JUNCTION BOXES ASSOCIATED WITH THE FIRE ALARM SYSTEM RED AND LABEL ALL JUNCTION BOX COVERS AS "FIRE ALARM".
- THE FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE FIRE ALARM SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS, PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS AND ADDRESS, CONDUIT SIZE AND ROUTING AND ALL CONDUCTOR SIZES. TYPICAL RISERS AND CALCULATIONS WILL NOT BE ACCEPTED. ALL SHOP DRAWINGS SHALL BE PREPARED AND APPROVED BY A NICET CERTIFIED FIRE ALARM TECHNICIAN, LEVEL III OR GREATER.
- ALL NOTIFICATION DEVICE CIRCUIT VOLTAGE DROP CALCULATIONS SHALL BE DONE IN COMPLIANCE WITH NFPA 72. THE FIRE ALARM SYSTEM SUPPLIER TO DETERMINE THE AMOUNT NOTIFICATION DEVICE CIRCUITS THAT ARE REQUIRED BASED ON THE NUMBER OF NOTIFICATION DEVICES SHOWN ON THE DRAWINGS. THE FIRE ALARM SUPPLIER SHALL DETERMINE THE AMOUNT OF NAC PANELS THAT WILL BE REQUIRED BASES ON THE QUANTITY OF NOTIFICATION DEVICE CIRCUITS.
- SUBMIT TO THE LOCAL AUTHORITY HAVING JURISDICTION, A MINIMUM OF TWO SETS OF PLANS, COMPLETE WITH MANUFACTURER CUT SHEETS, AND BATTERY CALCULATIONS. PLANS MUST BE INK SIGNED BY A NICET LEVEL III OR BETTER IN FIRE ALARM SYSTEMS. THIRD PARTY PLAN REVIEW IS NOW REQUIRED PRIOR TO ANY FIRE PROTECTION PLANS BEING SUBMITTED TO THE UFA. PLEASE GO TO WWW.UNIFIEDFIRE.ORG FOR THE APPROVED LIST OF THIRD PARTY PLAN REVIEWERS.
- VERIFY AND COMPLY WITH ALL STATE, LOCAL AND NATIONAL CODES.



2 FIRE ALARM SYSTEM RISER DIAGRAM
SCALE: NTS



KEY PLAN
1" = 40'-0"

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PROFESSIONAL STAMP
REGISTERED PROFESSIONAL ENGINEER
JEFFREY R. OWEN
No. 177411
9/9/13
STATE OF UTAH

CODE OFFICIAL STAMP
REVIEWED FOR
CODE COMPLIANCE
SIGNATURE: [Signature]
DATE: 10/26/20

PROJECT NAME
2018 LAYTON 2ND DISTRICT
COURT CLERICAL COUNTER
REMODEL
425 WASATCH DR.
LAYTON, UTAH 84041

REVISIONS
NO. DATE DESCRIPTION
1 10-06-20 10 OWNER REQUESTED CHANGES

ISSUED:
NO. DATE DESCRIPTION
1 10/11/18 CONSTRUCTION BID DOCUMENTS

OWNER PROJECT #: 19075150
SPE PROJECT #: 18-26
DRAWN BY: JB
CHECKED BY: JO
DESIGNED BY: JB
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SHEET TITLE
LEVEL 1 POWER
PLAN

SHEET NUMBER
EP101

(EXISTING) PANELBOARD SCHEDULE

PANEL NAME: C

MOUNTING: RECESSED
ENCLOSURE: NEMA 1
DOOR TYPE:

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

LOCATION:
MAIN TYPE:
BUS RATING: 225 A
MCB RATING:
BUS MATERIAL:

FEED FROM:
SPD:
NEUTRAL RATING:
ISOLATED GROUND:

Min. A.I.C. RATING:

BRANCH BREAKERS

KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	Load Type	CKT #	A		B		C		CKT #	Load Type	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE
9	EXISTING LOAD	20 A	1	--	1	1620 VA	1760 VA					2	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	3			1430 VA	1440 VA			4	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	5					1350 VA	950 VA	6	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	7	750 VA	650 VA					8	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	9			1800 VA	1350 VA			10	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	11					1250 VA	890 VA	12	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	13	1740 VA	1720 VA					14	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	15			170 VA	1040 VA			16	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	17					0 VA	540 VA	18	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	19	0 VA	400 VA					20	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	21			900 VA	1080 VA			22	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	23					1080 VA	1080 VA	24	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	25	1260 VA	1080 VA					26	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	27			1100 VA	720 VA			28	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	29					900 VA	900 VA	30	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	31	900 VA	1100 VA					32	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	33			540 VA	540 VA			34	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	35					1000 VA	360 VA	36	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	37	1000 VA	1260 VA					38	--	1	20 A	EXISTING LOAD	9
9	-SPARE-	20 A	1	--	39			0 VA	0 VA			40	--	1	20 A	-SPARE-	9
9	-SPARE-	20 A	1	--	41					0 VA	0 VA	42	--	1	20 A	-SPARE-	9
9	NEW LOBBY LIGHTING	20 A	1	L	43	332 VA	0 VA					44	--	1	20 A	-SPARE-	9
9	-SPARE-	20 A	1	--	45			0 VA	0 VA			46	--	1	20 A	-SPARE-	9
9	-SPARE-	20 A	1	--	47					0 VA	0 VA	48	--	1	20 A	-SPARE-	9
9	-SPARE-	20 A	1	--	49	0 VA	0 VA					50	--	1	20 A	-SPARE-	9
--	-SPACE ONLY-	--	--	--	51			0 VA	0 VA			52	--	--	--	-SPACE ONLY-	--
--	-SPACE ONLY-	--	--	--	53					0 VA	0 VA	54	--	--	--	-SPACE ONLY-	--
--	-SPACE ONLY-	--	--	--	55	0 VA	0 VA					56	--	--	--	-SPACE ONLY-	--
--	-SPACE ONLY-	--	--	--	57			0 VA	0 VA			58	--	--	--	-SPACE ONLY-	--
--	-SPACE ONLY-	--	--	--	59					0 VA	0 VA	60	--	--	--	-SPACE ONLY-	--

TOTAL CONNECTED LOAD PER PHASE (VA) 15572 VA 12110 VA 10300 VA
TOTAL CONNECTED CURRENT PER PHASE (AMPS) 132 A 103 A 86 A

TYPE	LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
P	Panel	0 VA	0.00%	0 VA	Total Conn. Load: 37982 VA
R	Receptacle	0 VA	0.00%	0 VA	25% OF LARGEST MOTOR:
L	Lighting	332 VA	125.00%	418 VA	Total Est. Demand: 38066 VA
C	Continuous	0 VA	0.00%	0 VA	Total Conn. Current: 105 A
E	Equipment	0 VA	0.00%	0 VA	Total Est. Demand Current: 106 A
M	Motor	0 VA	0.00%	0 VA	
K	Kitchen	0 VA	0.00%	0 VA	
O	Other	0 VA	0.00%	0 VA	

(EXISTING) PANELBOARD SCHEDULE

PANEL NAME: F

MOUNTING: RECESSED
ENCLOSURE: NEMA 1
DOOR TYPE:

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

LOCATION:
MAIN TYPE:
BUS RATING: 225 A
MCB RATING:
BUS MATERIAL:

FEED FROM:
SPD:
NEUTRAL RATING:
ISOLATED GROUND:

Min. A.I.C. RATING:

BRANCH BREAKERS

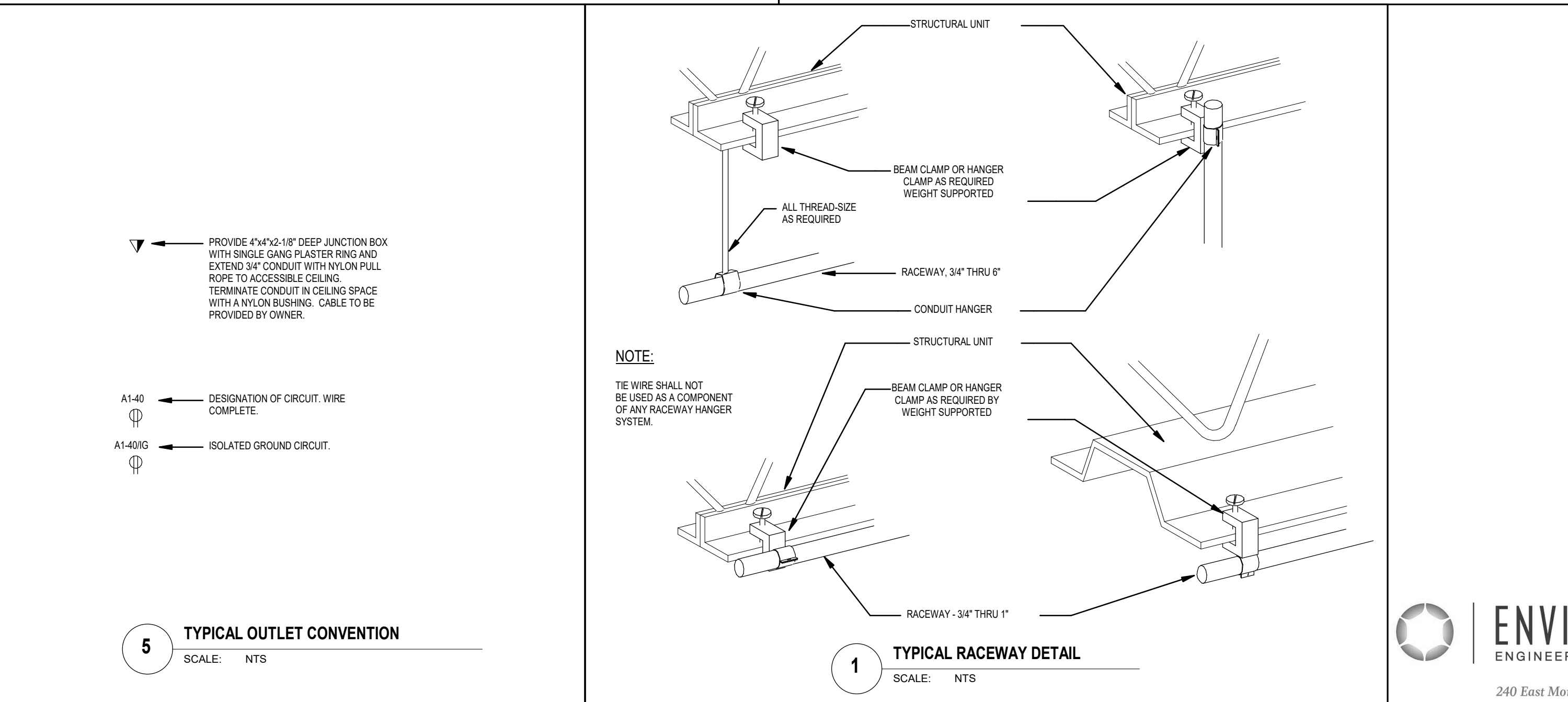
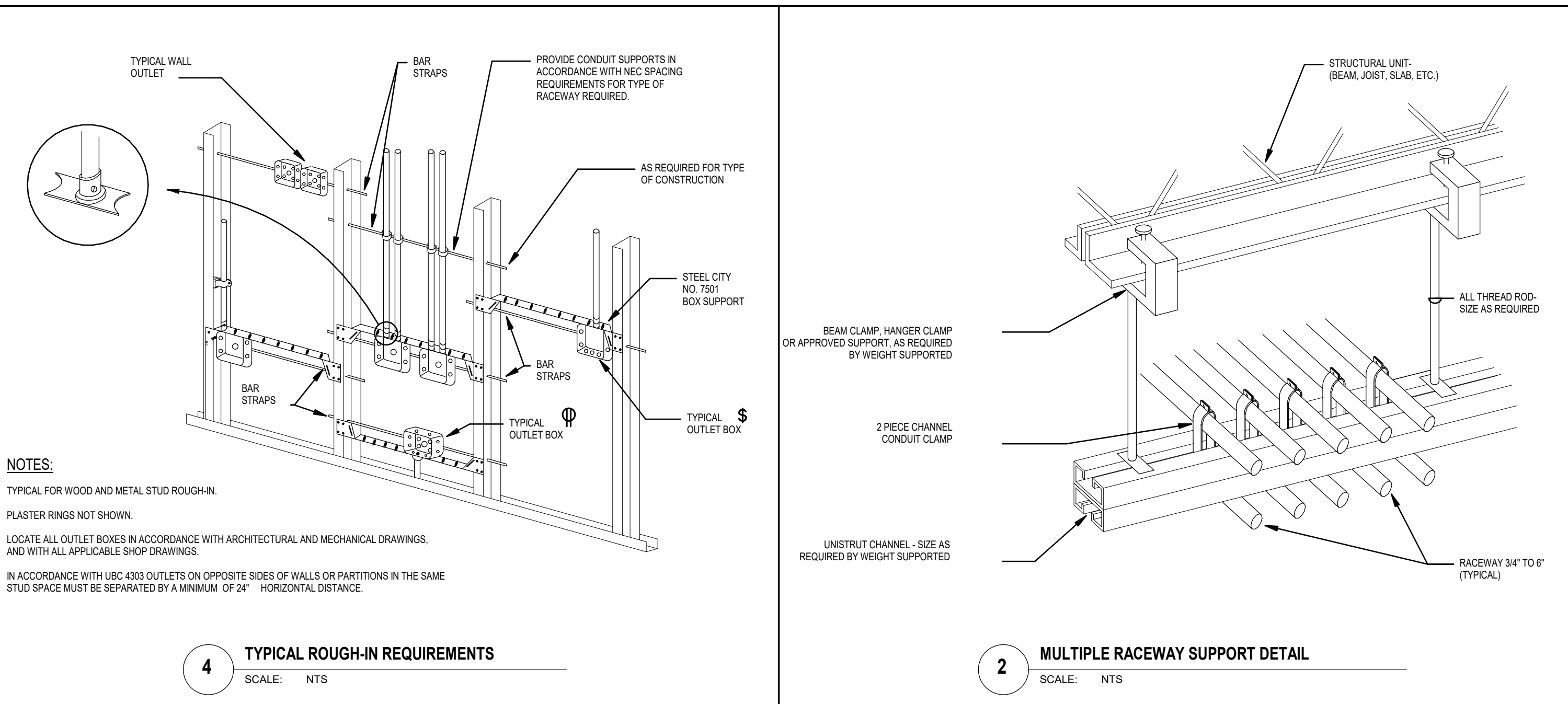
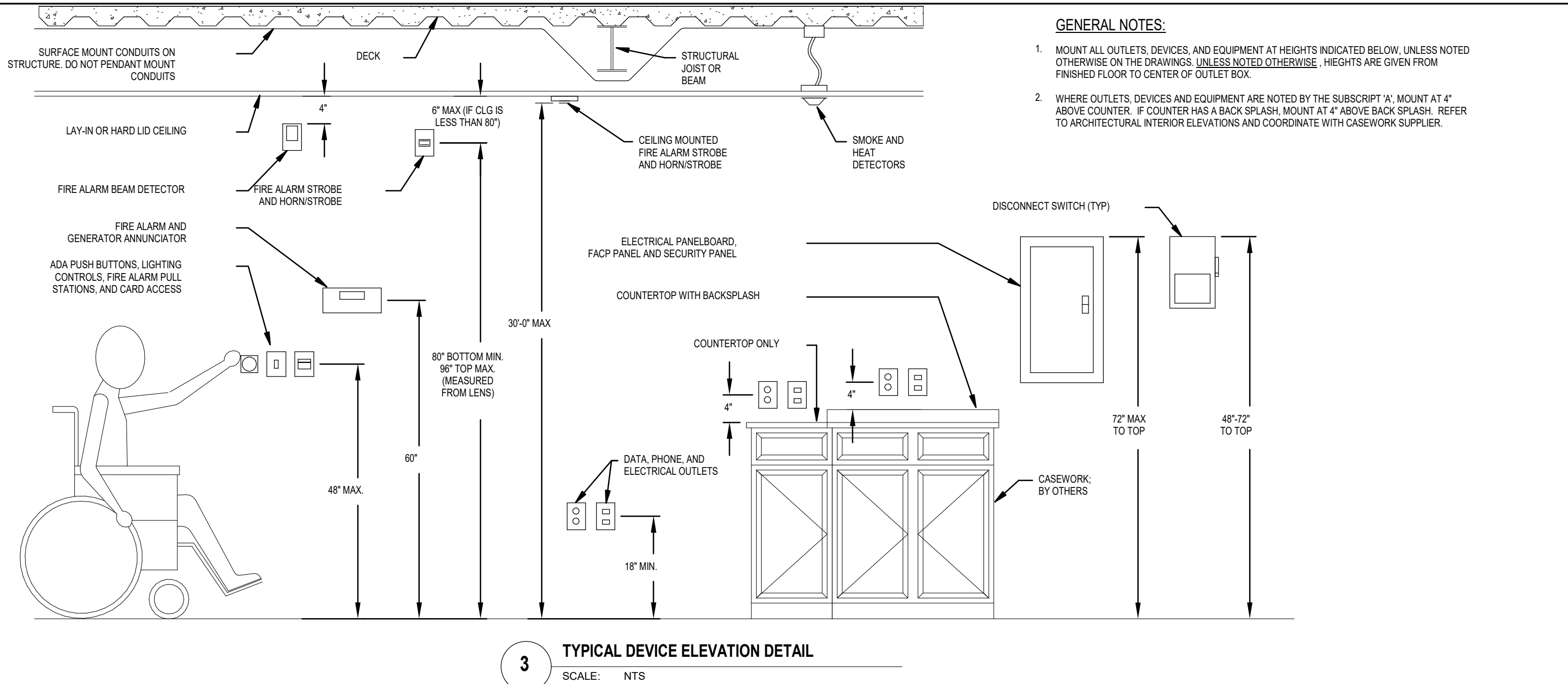
KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	Load Type	CKT #	A		B		C		CKT #	Load Type	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE
9	EXISTING LOAD	20 A	1	--	1	1080	1670					2	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	3			1170	1000			4	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	5					700	600	6	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	7	900	1260					8	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	9			0	590			10	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	11					170	1120	12	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	13	400	500					14	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	15			500	500			16	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	17					500	500	18	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	19	500	900					20	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	21				1200	700		22	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	23					200	500	24	--	1	20 A	EXISTING LOAD	9
9	EXISTING LOAD	20 A	1	--	25	1000	1080					26	R	1	20 A	NEW OFFICE RECEPTACLES	10
10	LOBBY 101 RECEPTACLES	20 A	1	R	27			540	0			28	--	1	20 A	-SPARE-	9
10	CLERKS 102 COMPUTERS	20 A	1	R	29					1440	0	30	--	1	20 A	-SPARE-	9
10	CLERKS 102 COPIER	20 A	1	E	31	1500	0					32	--	1	20 A	-SPARE-	9
10	CLERKS 102 PRINTER	20 A	1	E	33			360	0			34	--	1	20 A	-SPARE-	9
10	CLERKS 102 COMPUTERS	20 A	1	R	35					900	0	36	--	1	20 A	-SPARE-	9
9	-SPARE-	20 A	1	--	37	0	0					38	--	1	20 A	-SPARE-	9
9	-SPARE-	20 A	1	--	39			0	0			40	--	1	20 A	-SPARE-	9
9	-SPARE-	20 A	1	--	41					0	0	42	--	1	20 A	-SPARE-	9

TOTAL CONNECTED LOAD PER PHASE (VA) 10790 VA 6560 VA 6630 VA
TOTAL CONNECTED CURRENT PER PHASE (AMPS) 90 A 55 A 55 A

TYPE	LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
P	Panel	0 VA	0.00%	0 VA	Total Conn. Load: 23980 VA
R	Receptacle	2520 VA	100.00%	2520 VA	25% OF LARGEST MOTOR:
L	Lighting	0 VA	0.00%	0 VA	Total Est. Demand: 23980 VA
C	Continuous	0 VA	0.00%	0 VA	Total Conn. Current: 67 A
E	Equipment	3300 VA	100.00%	3300 VA	Total Est. Demand Current: 67 A
M	Motor	0 VA	0.00%	0 VA	
K	Kitchen	0 VA	0.00%	0 VA	
O	Other	0 VA	0.00%	0 VA	

PANELBOARD SCHEDULE KEYED NOTE:

1. PROVIDE CLASS A GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKER.
2. PROVIDE ARC FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER.
3. PROVIDE 30 MILLIAMPERE EQUIPMENT GROUND FAULT PROTECTOR TYPE CIRCUIT BREAKER.
4. PROVIDE SHUNT TRIP CIRCUIT BREAKER WITH 120V COIL.
5. PROVIDE HACR RATED CIRCUIT BREAKER.
6. PROVIDE HANDLE CLAMP FOR HOLDING CIRCUIT BREAKER IN THE "ON" OR "OFF" POSITION.
7. PROVIDE SWITCHING RATED CIRCUIT BREAKER.
8. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANELBOARD (WHERE PANEL IS LOCATED AS EXISTING) OF SAME MANUFACTURER AND A.I.C. RATING AS EXISTING.
9. EXISTING LOAD.
10. USE EXISTING SPARE BREAKER.



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PROFESSIONAL STAMP



CODE OFFICIAL STAMP



PROJECT NAME:

2018 LAYTON 2ND DISTRICT
COURT CLERICAL COUNTER
REMODEL

425 WASATCH DR.
LAYTON, UTAH 84041

NO.	DATE	DESCRIPTION
1	10-04-20	OWNER REQUESTED CHANGES

NO.	DATE	DESCRIPTION
1	10/11/18	CONSTRUCTION BID DOCUMENTS

NO.	DATE	DESCRIPTION
1	10/11/18	CONSTRUCTION BID DOCUMENTS

OWNER PROJECT #:	19075150
SPE PROJECT #:	18-26
DRAWN BY:	JB
CHECKED BY:	JO
DESIGNED BY:	JB

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SHEET TITLE:

ELECTRICAL
SCHEDULES

SHEET NUMBER:

EP601



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