

GENERAL NOTES

- 1. THESE FIXTURE AND ACCESSORY MOUNTING DETAILS & REQUIREMENTS ARE TYPICAL AND APPLY TO REQUIRED ACCESSIBLE INSTALLATIONS ONLY. REFER TO PLANS FOR LOCATIONS AND TYPES OF LAYOUTS. EQUIPMENT & DETAILS SHOWN THIS SHEET MAY OR MAY NOT APPEAR ON THIS PROJECT. IF A ROOM IS IN QUESTION AS TO BEING A REQUIRED ACCESSIBLE ROOM OR A REQUIRED DETAIL THIS PROJECT, CONTACT ARCHITECT FOR RESOLUTION.
- 2. PROVIDE IN ALL LOCATIONS OF REQUIRED ACCESSORIES, ADEQUATE SOLID BLOCKING CAPABLE OF WITHSTANDING 250 L.B. FORCE (SHEAR & BENDING). GRAB BARS SHALL NOT ROTATE. FASTENERS SHALL BE OF A TYPE TO WITHSTAND REQUIRED FORCE AND TYPED FOR TYPE OF WALL CONSTRUCTION.
- 3. ALL EXTERIOR RAMPS SHALL HAVE A NON-SKID FINISH AS SPECIFIED. ALL INTERIOR RAMPS SHALL HAVE FLOOR MATERIAL OF NON-SKID MATERIAL. (SEE SPECIFICATIONS). IF NO FINISH IS INDICATED ON DRAWINGS, PROVIDE RUBBER RADIAL TILE ON FINISH FLOOR SURFACE OF INTERIOR RAMPS.
- 4. ANY METAL FLOOR GRATINGS OR DRAINAGE GRATINGS IN AN ACCESSIBLE PATH SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN ONE DIRECTION. LONG DIMENSION SHALL BE PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
- 5. ACCESSIBLE DOORS: SWEEP PERIOD OF DOOR CLOSERS ON ACCESSIBLE DOORS SHALL BE ADJUSTED SO THAT FROM OPEN POSITION OF 70°, DOOR WILL TAKE A MINIMUM OF 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH. DOORS SHALL REQUIRE NO MORE THAN 5 L.B. OF FORCE TO OPEN. ADJUST CLOSERS ACCORDINGLY.
- 6. SEE DOOR SCHEDULE FOR MINIMUM REQUIRED CLEAR AREA AT LATCH SIDE OF DOOR.
- 7. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT WITH MAX. 1:2 SLOPE EACH SIDE AND 1/4" MAX VERTICAL LIP AT EDGE.

MISC. ACCESSIBLE MOUNTING HEIGHTS

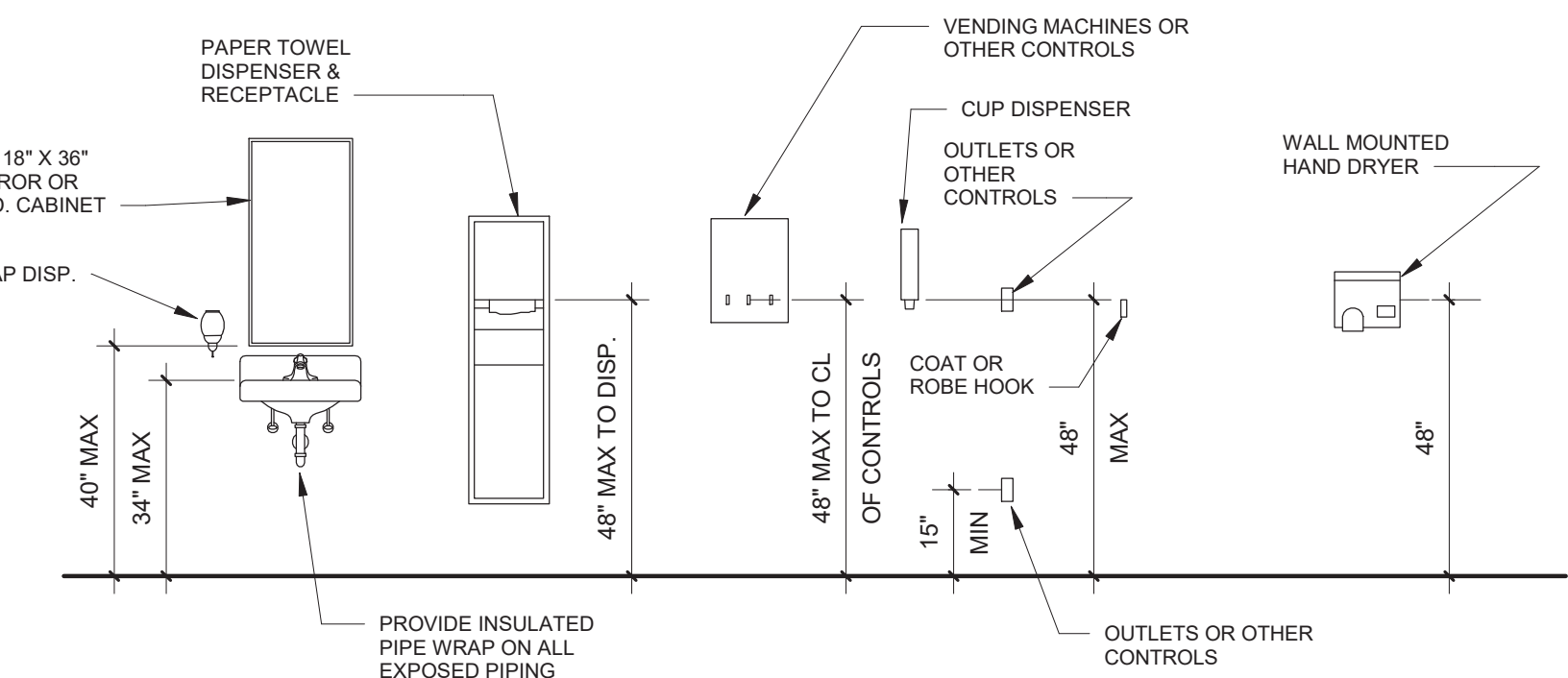
FIRE EXTINGUISHERS:	48" MAX TO CENTERLINE OF CONTROLS
VISUAL DISPLAY BOARDS:	VERIFY WITH OWNER
WALL MOUNTED TELEPHONES:	48" MAX TO TOP OF KEYPAD
CLOSET/SHELF ROD:	60" TO TOP OF NON-ACCESSIBLE SHELF 48" TO TOP OF ACCESSIBLE SHELF
KNOX BOX:	5'-0" MAX, INSTALL PER FIRE DEPARTMENT REQUIREMENTS. COORDINATE LOCATION AND HEIGHT WITH FIRE DEPARTMENT.

RELEASE FOR CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI

06/01/2020

CHILDREN'S ADA REQUIREMENTS (ADULT SHOWN BELOW)

Accessible Elements Reach Ranges for control height/operable parts shall be 20" to 36" for ages 3 & 4; 16" to 40" for ages 5 to 8; and 16" to 44" for ages 9 to 12.



DIRECTIONAL SIGNAGE REQUIRED AT NON-ACCESSIBLE EXITS, INTERIOR AND EXTERIOR, INDICATING ROUTE TO NEAREST ACCESSIBLE ELEMENT



ENTRANCE SIGNAGE REQUIRED AT ACCESSIBLE EXTERIOR ENTRANCES



EXIT SIGNAGE REQUIRED ADJACENT TO ACCESSIBLE EXIT PASSAGEWAY AND DISCHARGE



NO LETTERS OR BRAILLE CHARACTERS SHALL BE LOCATED IN PICTOGRAM FIELD



SIGNAGE LOCATION REQUIREMENTS

- WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE
- WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF.
- WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR.
- WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL.
- SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.
- EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

8 INTERIOR SIGNAGE DETAIL

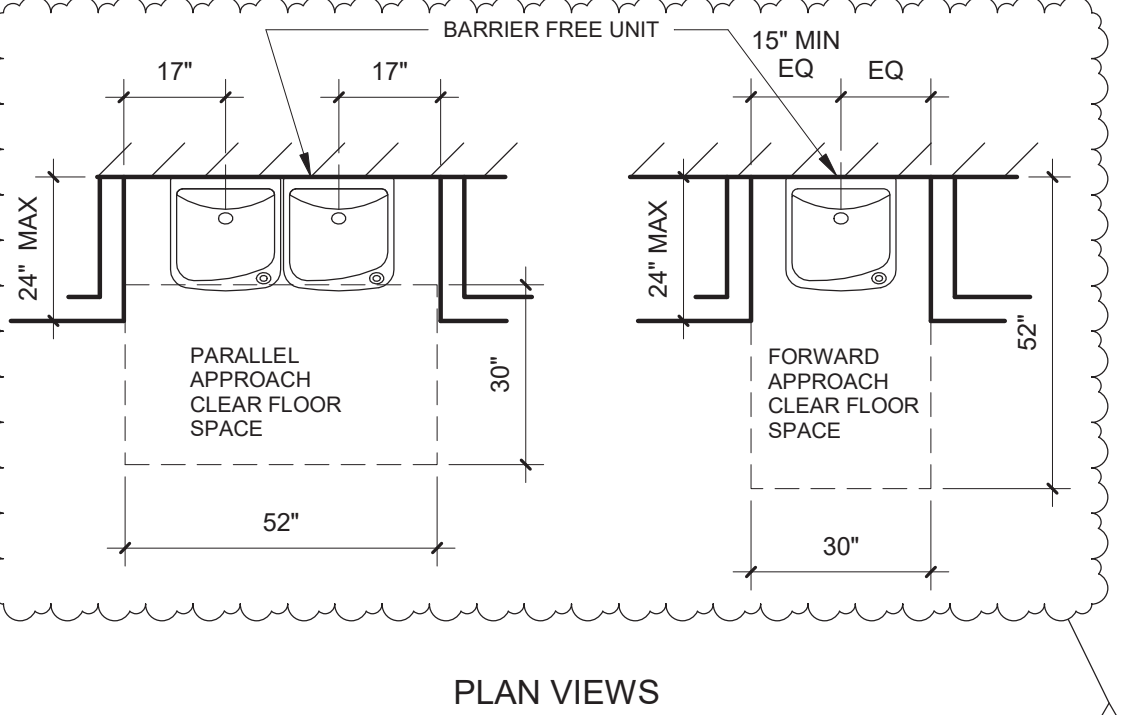
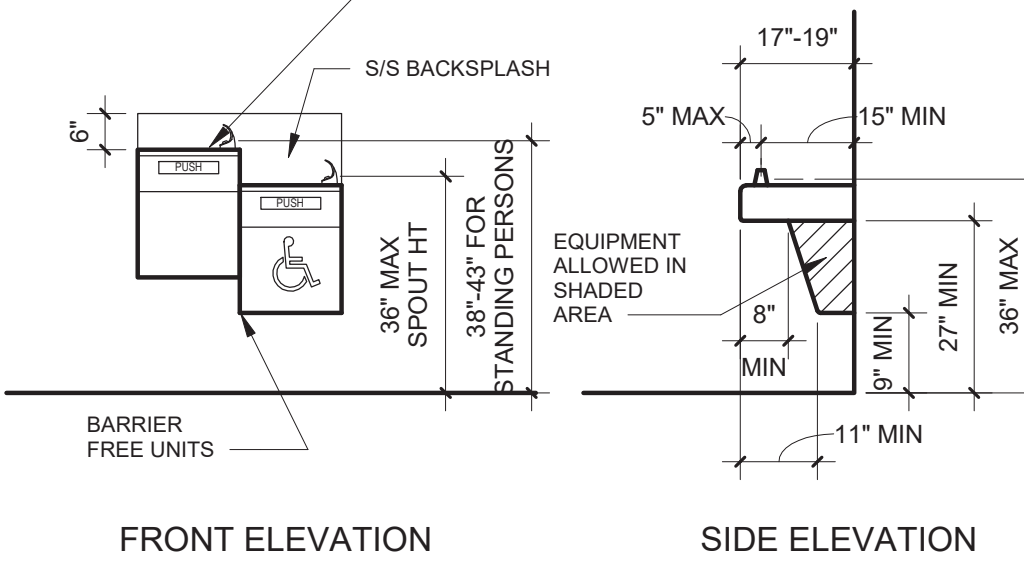
1 1/2" = 1'-0"

9 MISC. ACCESSIBLE ACCESSORIES

3/8" = 1'-0"

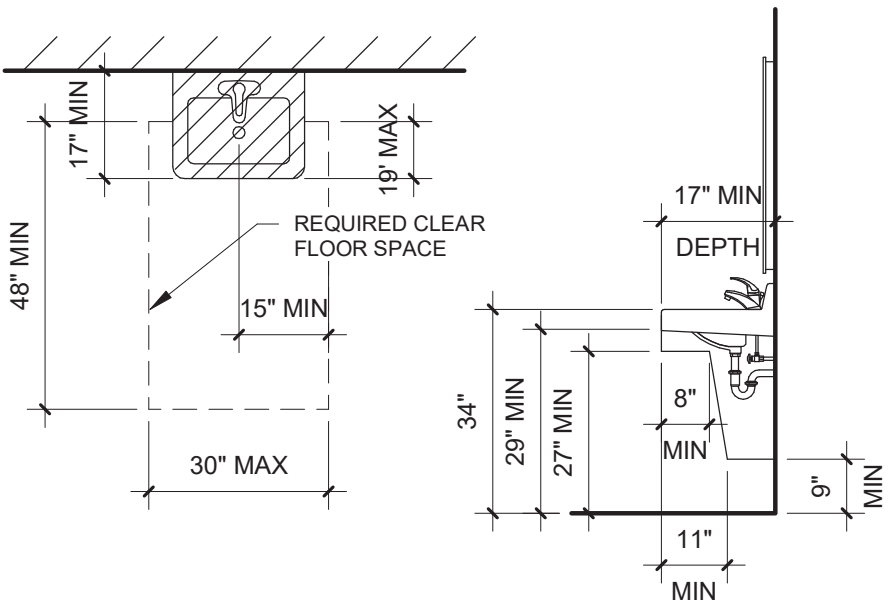
- SPOUT HT. INDICATED BELOW IS FOR ADULTS AND IS TYPICAL UNLESS NOTED OTHERWISE
- SPOUT HT. FOR CHILDREN'S USE SHALL BE 30" MAX WITH A PARALLEL APPROACH ONLY AND SPOUT IS 3 1/2" FROM FRONT EDGE OF UNIT

DOUBLE HEIGHT DRINKING FOUNTAIN - UNLESS SPECIFIED OTHERWISE, IF SINGLE UNIT IS SPECIFIED, SPOUT HT. SHALL BE 36" A.F.F.



CHILDREN'S ADA REQUIREMENTS (ADULT SHOWN BELOW)

- 1. Lavatory rim, counter height shall be 31" MAX for ages 6-12.
- 2. Knee clearance below sink shall be 24" MIN where counter height is 31" MAX for ages 6-12.



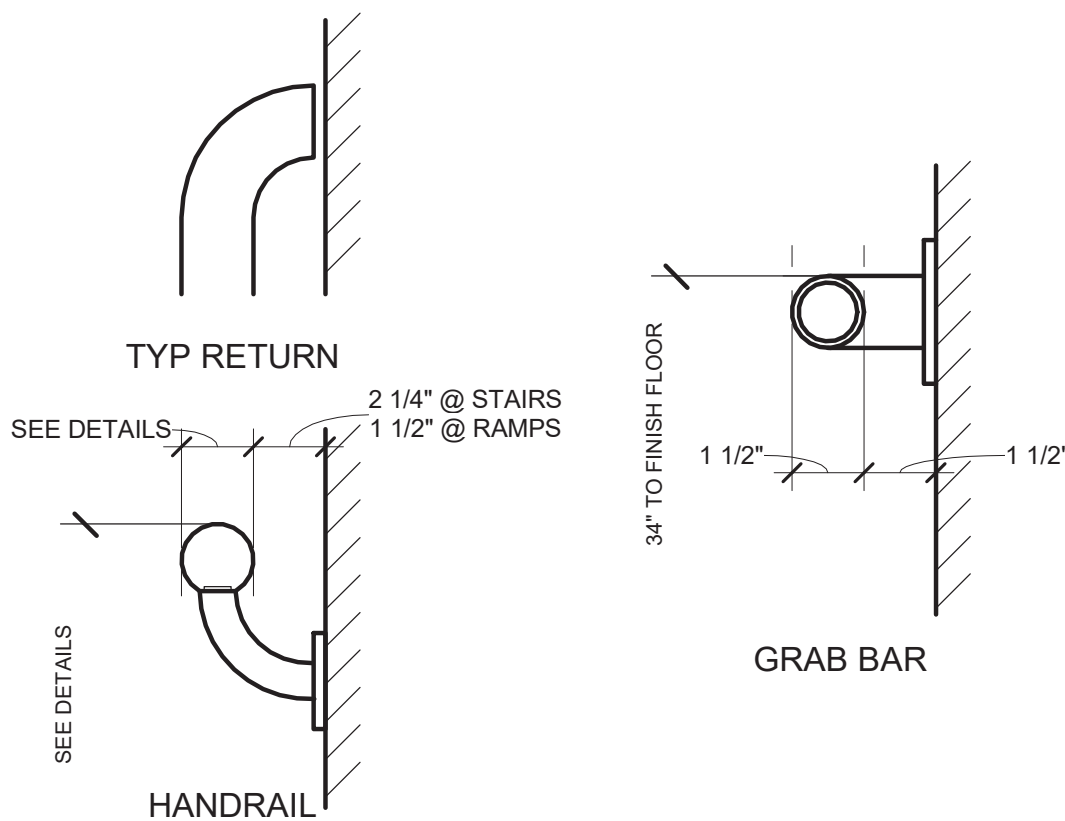
NOTE: COUNTERTOP MOUNTED LAVATORIES ARE TO BE MOUNTED WITH SAME CLEARANCES, REQUIREMENTS, ETC.

5 ACCESSIBLE LAVATORY

3/8" = 1'-0"

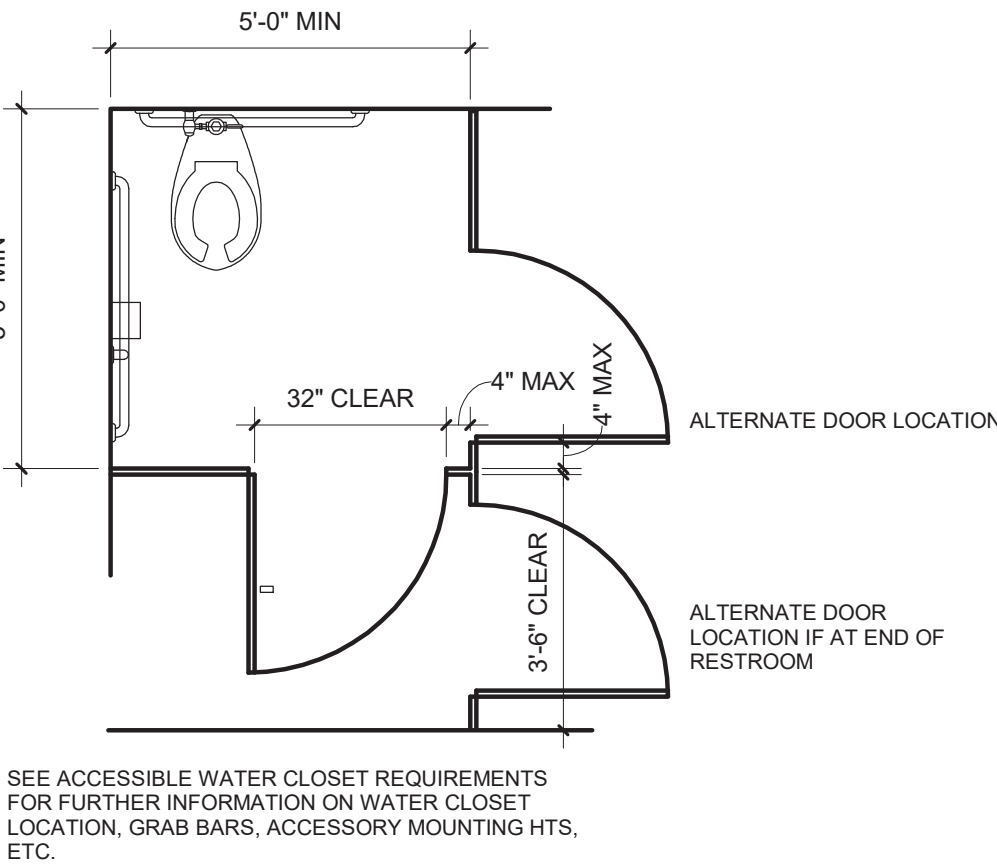
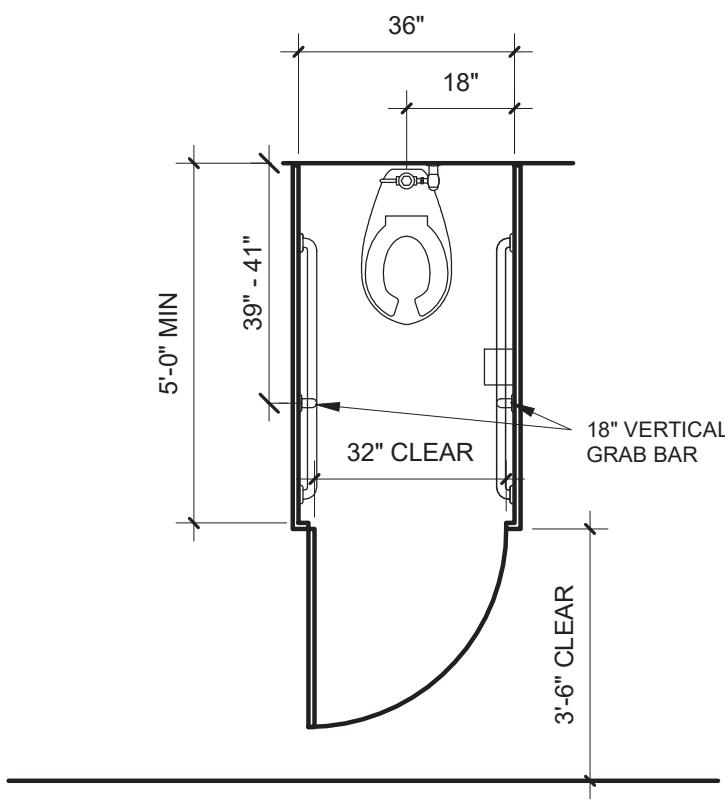
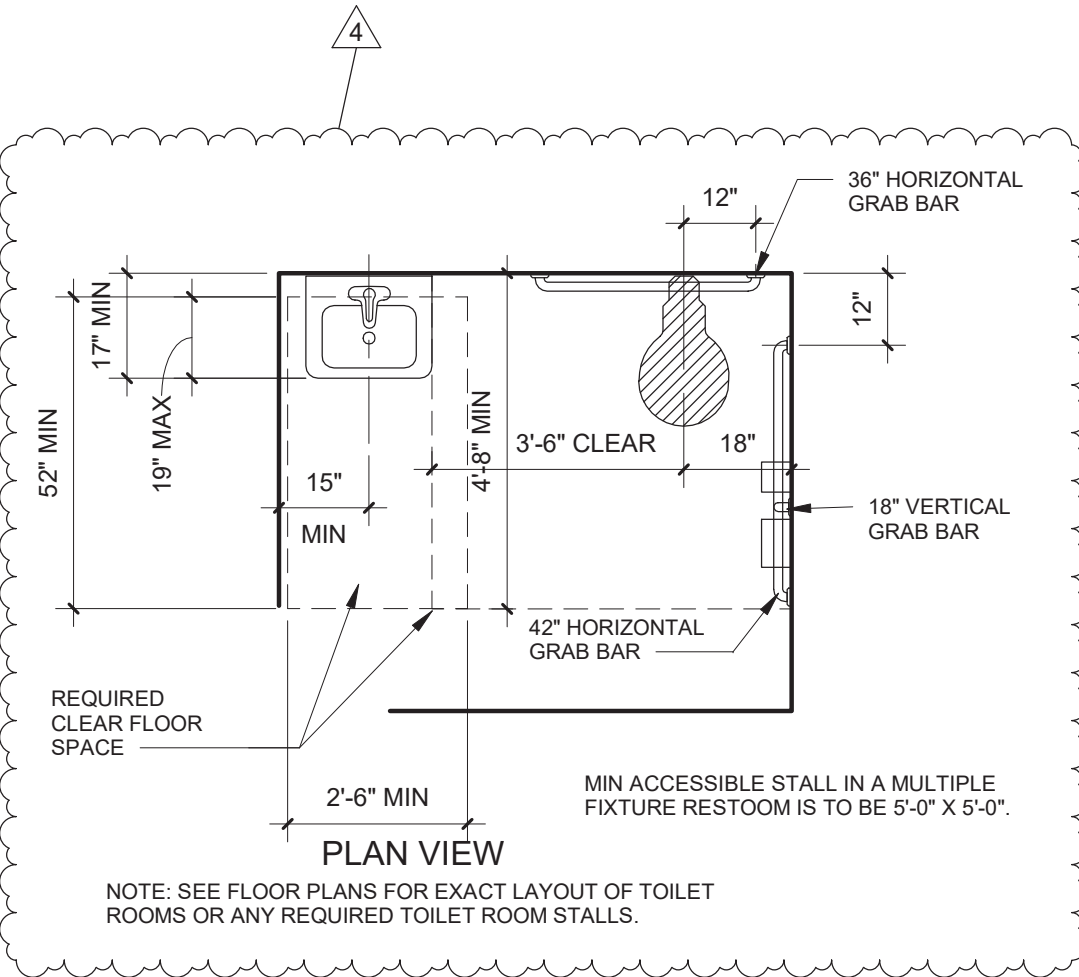
7 HANDRAILS/GRAB BARS

3" = 1'-0"

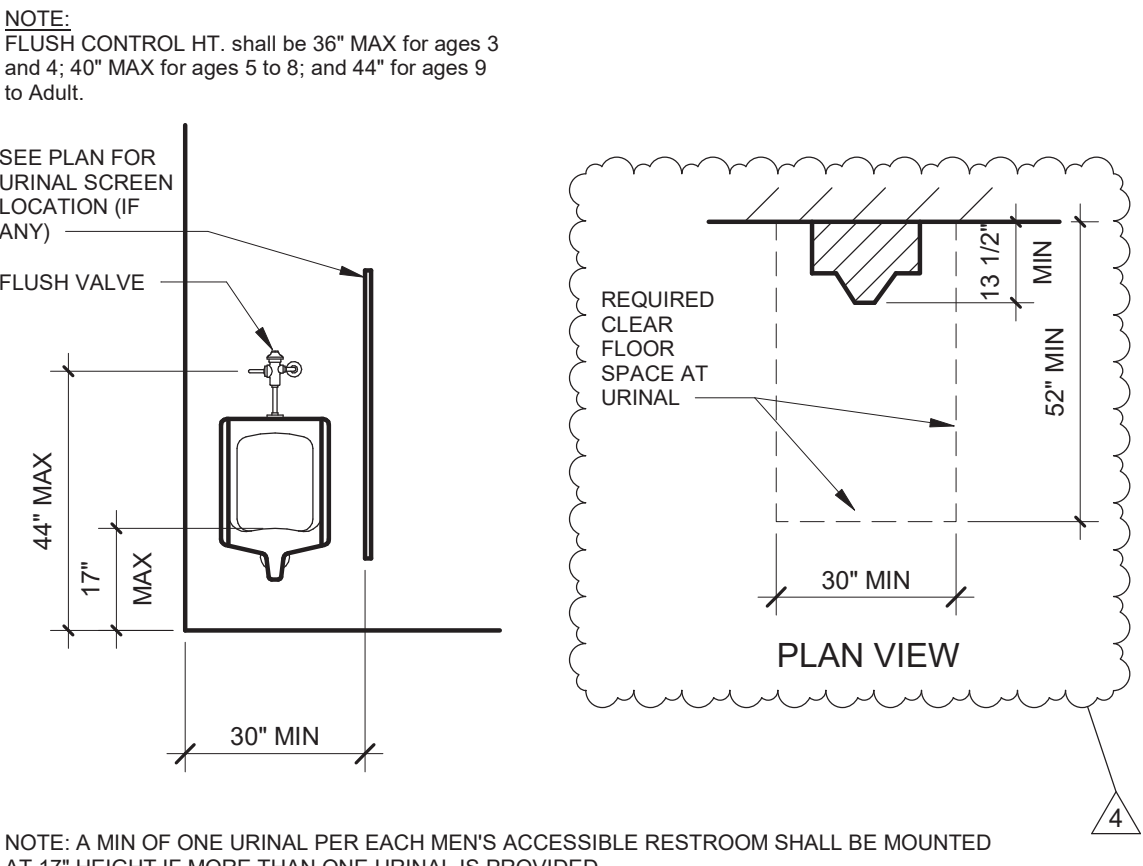


6 ACCESSIBLE DRINKING FOUNTAIN

3/8" = 1'-0"



SEE ACCESSIBLE WATER CLOSET REQUIREMENTS FOR FURTHER INFORMATION ON WATER CLOSET LOCATION, GRAB BARS, ACCESSORY MOUNTING HTS, ETC.



NOTE: A MIN OF ONE URINAL PER EACH MEN'S ACCESSIBLE RESTROOM SHALL BE MOUNTED AT 17" HEIGHT IF MORE THAN ONE URINAL IS PROVIDED.

1 ACCESSIBLE URINAL

3/8" = 1'-0"

2 ACCESSIBLE COMPARTMENT

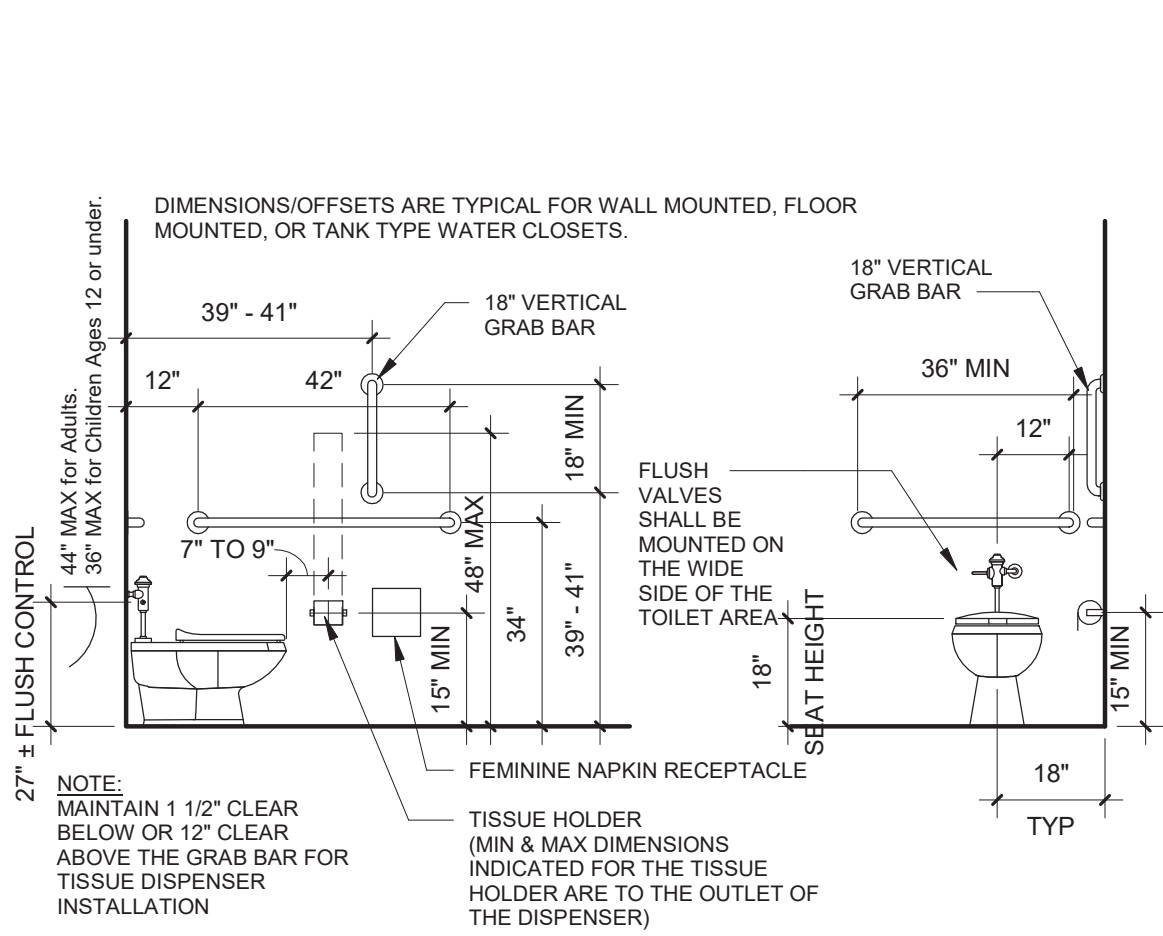
3/8" = 1'-0"

3 AMBULATORY COMPARTMENT

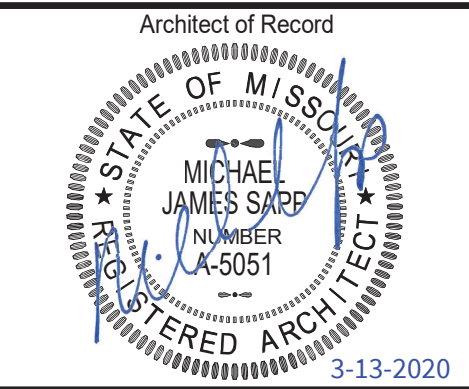
3/8" = 1'-0"

4 ACCESSIBLE WATER CLOSETS

3/8" = 1'-0"



Mid-Continent Public Library  
NEW BRANCH LIBRARY  
**Colbern Road Branch**  
1000 NE COLBERN ROAD  
LEE'S SUMMIT, MISSOURI 64086  
JACKSON COUNTY



Michael James Sapp, Architect MO A-5051

Revision No.	Description	Date
4	ASI 02	03/13/20

Project No.	Date	Drawn
WP10	12-23-2019	JDL

Drawing No.

**G101**  
STANDARD ACCESSIBILITY  
DETAILS

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Sapp Design Associates Architects, P.C.  
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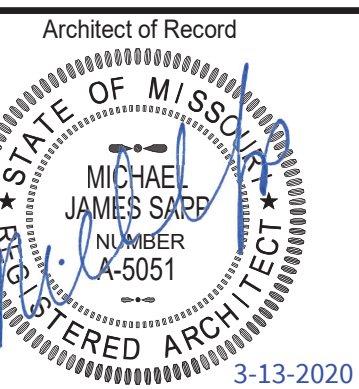
#### SPECIAL NOTICES

In the event the client consents to, allows, authorizes or approves of changes to any plans, specifications or other construction documents, and these changes are not approved in writing by the design professional, the client recognizes that such changes and the results thereof are not the responsibility of the design professional. Therefore, the client agrees to release the design professional from any liability arising from the construction, use or result of such changes. In addition, the client agrees to the fullest extent permitted by law, to indemnify and hold the design professional harmless from any damage, liability or cost (including reasonable attorney's fees and costs of defense) arising from such changes.

The personal seal of the registered Architect or Engineer shall be the legal equivalent of his signature whenever & wherever used, and the owner of the seal shall authenticate this sheet and the specification sections pertaining to this sheet. Responsibility shall be disclaimed for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural project.

Mid-Continent Public Library  
NEW BRANCH LIBRARY

**Colbern Road Branch**  
1000 NE COLBERN ROAD  
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JACKSON COUNTY

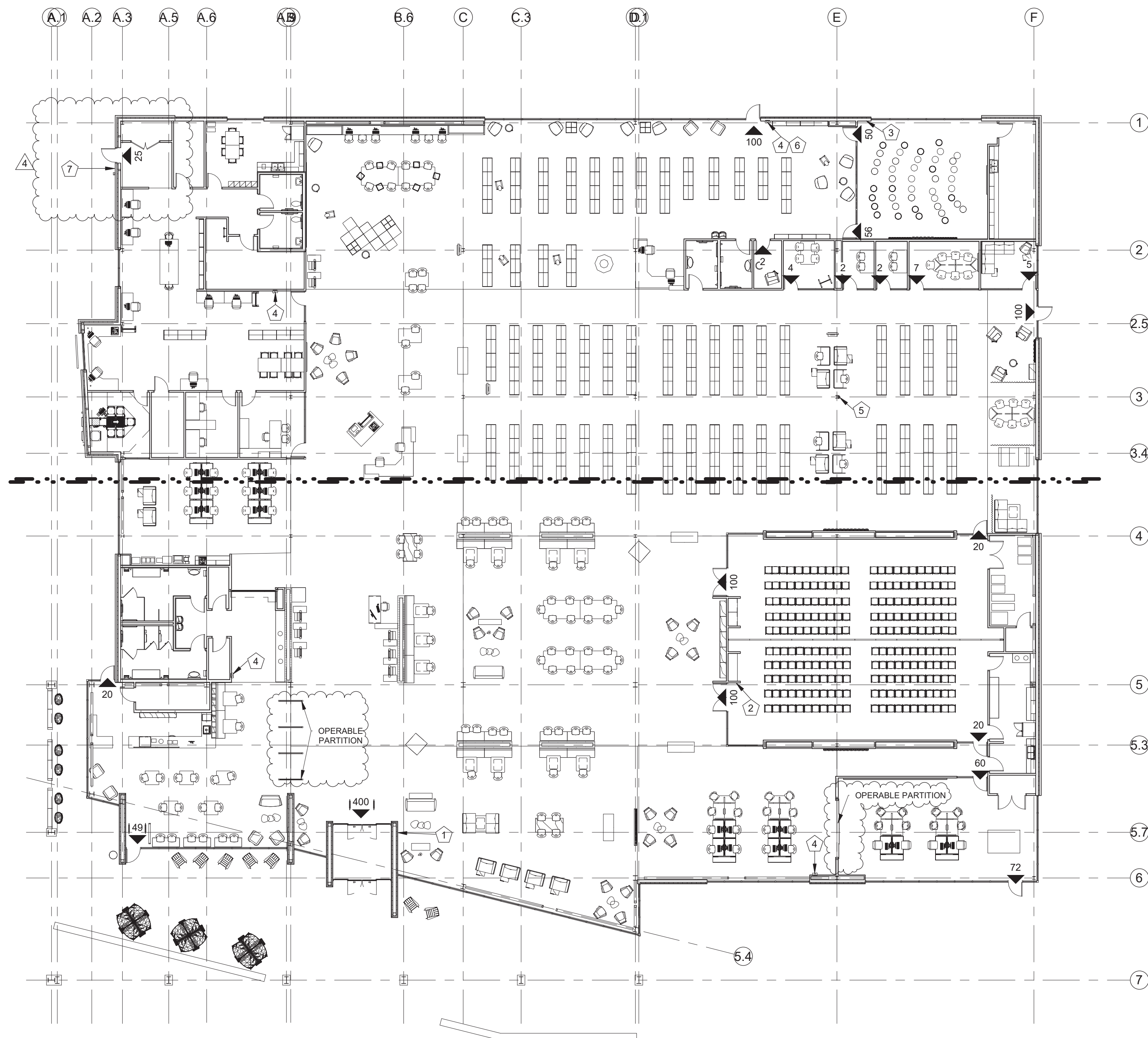


Michael James Sapp, Architect MO A-5051

Revision No.	Description	Date
4	ASI 02	03/13/20

Project No.	Date	Drawn
WP10	12-23-2019	JDL

Drawing No.  
**G200**  
OVERALL CODE SUMMARY



**1 OVERALL CODE PLAN**  
1/16" = 1'-0"

#### KEYNOTES

- 1 PROVIDE SIGN READING "MAXIMUM BUILDING OCCUPANT LOAD OF 769"
- 2 PROVIDE SIGN READING "MAXIMUM ROOM OCCUPANCY 240"
- 3 PROVIDE SIGN READING "MAXIMUM ROOM OCCUPANCY 106"
- 4 FIRE EXTINGUISHER, TYPE 3A:40B:C, IN SEMI-RECESSED CABINET
- 5 FIRE EXTINGUISHER, TYPE 3A:40B:C, MOUNTED TO COLUMN
- 6 COORDINATE PLACEMENT OF F.E. CABINET WITH LAYOUT OF WALL SHELVING
- 7 SEMI-RECESSED KNOX BOX PER LOCAL FIRE MARSHAL REQUIREMENTS

#### CODE SUMMARY

**PROJECT IDENTIFICATION:** NEW COLBERN ROAD BRANCH  
MID-CONTINENT PUBLIC LIBRARY  
LEE'S SUMMIT, MISSOURI  
REPRESENTATIVE - JAKE WIMMER

**CODE:** 2018 INTERNATIONAL BUILDING CODE  
2018 INTERNATIONAL MECHANICAL CODE  
2018 INTERNATIONAL PLUMBING CODE  
2017 NATIONAL ELECTRIC CODE  
2018 INTERNATIONAL FIRE CODE  
2017 ICC/ANSI A117.1

**OCCUPANCY:** A-3 - ASSEMBLY

**PROPOSED USE:** LIBRARY

**CONSTRUCTION TYPE:** TYPE 2B - SINGLE STORY

**BUILDING HEIGHT:** ALLOWABLE: 55', 2-STORY  
ACTUAL: 25', 1-STORY

**ALLOWABLE AREA: (TABLE 506.2 & SECTION 506)**

ALLOWABLE AREA A-3 S-1 = 38,000 SF

**GROSS BUILDING AREA:**  
ACTUAL AREA: = 33,527 SF

**AUTOMATIC SPRINKLER SYSTEM:**  
BUILDING IS TO BE SPRINKLED

**FIRE ALARM & DETECTION SYSTEMS:** REQUIRED PER SECTION 907

**DESIGN OCCUPANT LOAD (SECT 1004):**

TABLE 1004.5	
OCCUPANT LOAD OF COMMUNITY ROOM	= 240 (POSTED MAX OCC. SIGNS)
OCCUPANT LOAD OF STORY HOUR (738 S.F.) (1 PER 7 S.F. NET)	= 106 (POSTED MAX OCC. SIGN)
TOTAL OCCUPANT LOAD OF MEETING ROOMS (1 PER 50 S.F. NET)	= 20 OCCUPANTS
OCCUPANT LOAD OF STACK AREA (7192 S.F.) (1 PER 100 S.F. GROSS)	= 72 OCCUPANTS
OCCUPANT LOAD OF SEATING AREA (11,388 S.F.) (1 PER 50 S.F. GROSS)	= 222 OCCUPANTS
OCCUPANT LOAD OF CAFE AREA (1034 S.F.) (1 PER 15 S.F. NET)	= 69 OCCUPANTS
<b>SUBTOTAL OCCUPANT LOAD OF PUBLIC AREAS</b>	<b>= 729 OCCUPANTS</b>
OCCUPANT LOAD OF STAFF AREA 137 (1 PER 150 S.F. GROSS) + 6 FOR ADDITIONAL SEATING	= 12 OCCUPANTS
OCCUPANT LOAD OF ADMIN AREAS (2801 S.F.) (1 PER 150 S.F. GROSS) + 6 FOR OFFICES	= 25 OCCUPANTS

**TOTAL OCCUPANT LOAD OF LIBRARY** = 766 OCCUPANTS

**EGRESS SIZING:** PER SECTION 1005 IN A SPRINKLED BUILDING

DOORS (15 INCHES PER OCCUPANT)	= 226 OCCUPANT EGRESS CAPACITY
SINGLE DOOR (34" CLEAR)	= 453 OCCUPANT EGRESS CAPACITY
DOUBLE DOORS (68" CLEAR)	

**EXIT SEPARATION:**  
MINIMUM SEPARATION OF EXITS IS 1/3 OF THE MAXIMUM DIAGONAL OF THE AREA OF FLOOR PER SECTION 1007.1.1

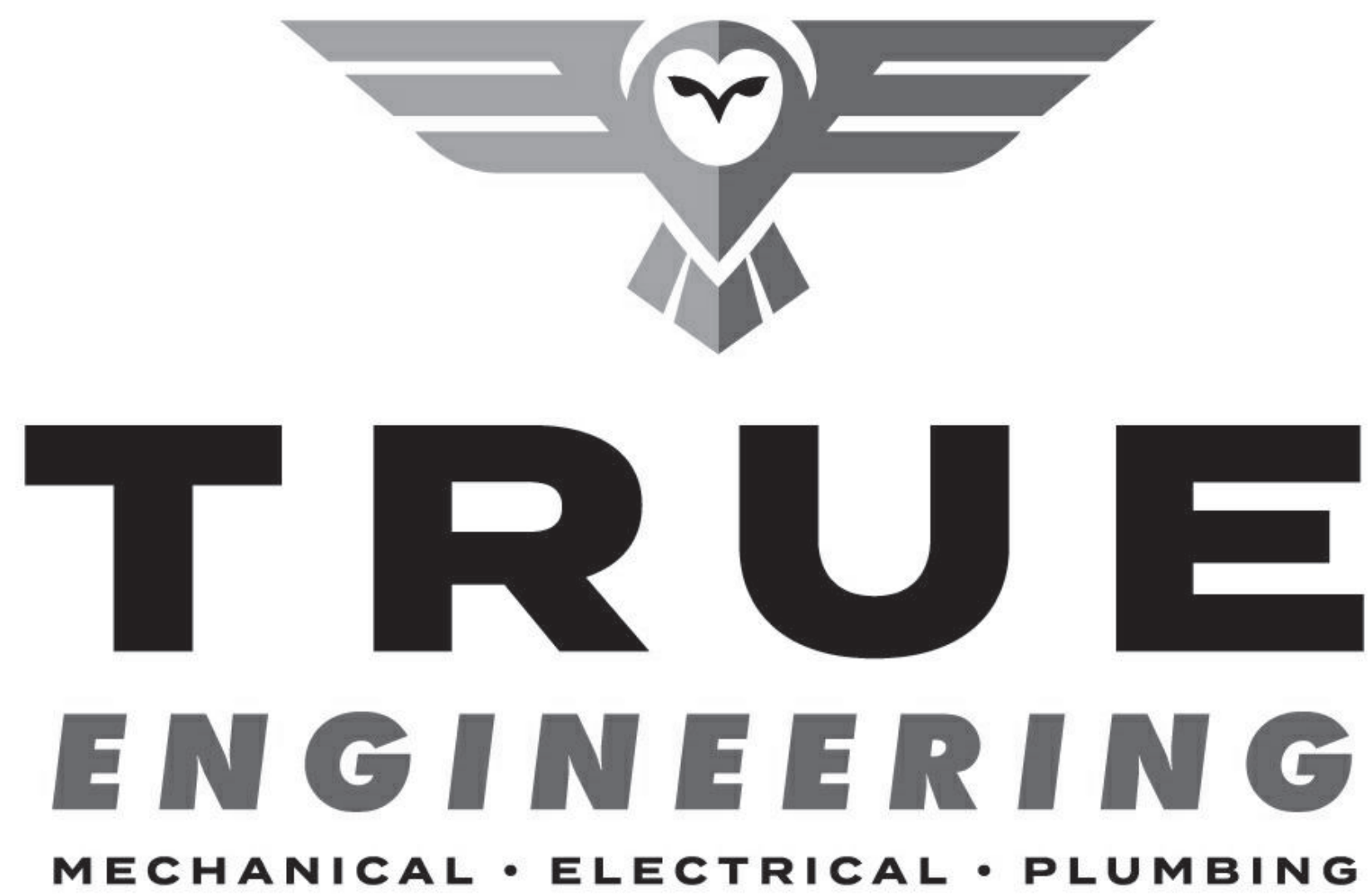
**MAX. TRAVEL DISTANCE:**  
250 LF, PER TABLE 1017.2

**MIN NUMBER OF EXITS:**  
THREE EXITS ARE REQUIRED FOR OCCUPANT LOADS BETWEEN 501 AND 1000 PER SECTION 1006.2.1.1

**PLUMBING FIXTURES:**

WATER CLOSETS: (1 PER 125 MALE, 1 PER 65 FEMALE)	
REQUIRED	3 FOR MEN, 6 FOR WOMEN
PROVIDED	2 WC & 2 URINAL FOR MEN, 6 FOR WOMEN
LAVATORIES: (1 PER 200)	
REQUIRED	4
PROVIDED	8
DRINKING FOUNTAINS (1 PER 500)	
REQUIRED	2
PROVIDED	2
SERVICE SINK	
REQUIRED	1
PROVIDED	1





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# Mid-Continent Public Library Colbern Road Branch

1000 NE Colbern Road  
Lee's Summit, MO 64086  
Jackson County

## DIVISION 28 SPECIFICATIONS:

### 28 05 00 - COMMON WORK FOR ELECTRONIC SAFETY AND SECURITY

1. FIELD COORDINATE LOCATIONS OF SECURITY SYSTEM WITH OWNER.

### 28 31 00 - FIRE DETECTION AND ALARM.

1. AN ADDRESSABLE FIRE ALARM SYSTEM SHALL BE INSTALLED UNDER THE DIVISION 26 CONTRACTOR.

2. PROVIDE FIRE ALARM SYSTEM INITIATION DEVICES AND NOTIFICATION APPLIANCES, MONITORING, AND CONTROL DEVICES AS INDICATED ON THE DRAWINGS.

3. ALL FIRE ALARM WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 72 AND THE NATIONAL ELECTRICAL CODE.

4. FIRE ALARM SYSTEM WIRING SHALL BE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SYSTEM CONNECTIONS FOR INITIATING DEVICES SHALL BE CLASS B, STYLE A; NOTIFICATION APPLIANCES CIRCUITS SHALL BE CLASS B STYLE Y. ALL FIRE ALARM SYSTEM WIRING SHALL BE INSTALLED COMPLETELY IN EMT CONDUIT. PAINT FIRE ALARM JUNCTION BOXES AND CONDUIT FITTINGS RED.

5. FIRE ALARM SYSTEM EQUIPMENT SUBMITTALS SHALL INCLUDE PRODUCT DATA SHEETS, EQUIPMENT WIRING DIAGRAMS, SEQUENCE OF OPERATIONS, VOLTAGE DROP, AND BATTERY CALCULATIONS.

6. FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS BY PERSONS WHO ARE QUALIFIED AND EXPERIENCED IN THE INSTALLATION, INSPECTION AND TESTING OF FIRE ALARM SYSTEMS. INSTALLER SHALL HAVE A MINIMUM OF 3-YEARS OF EXPERIENCE. PERFORM OPERATIONAL SYSTEM TESTS UPON COMPLETION OF INSTALLATION. CORRECT DEFICIENCIES AND RETEST PRIOR TO OWNER OCCUPATION OF BUILDING. PROVIDE A COMPLETED NFPA 72 RECORD OF COMPLETION FORM TO THE OWNER AND AUTHORITY HAVING JURISDICTION.

## DIVISION 27 SPECIFICATIONS:

### 27 05 00 - COMMON WORK RESULTS FOR COMMUNICATIONS

1. THE CONTRACTOR SHALL INSTALL CONDUIT ROUGH-IN FOR BACKBONE CAT 6 CABLEING PROVIDED BY OWNER.

2. THE DIVISION 26 CONTRACTOR WILL ALSO BE RESPONSIBLE FOR ALL NEW UNDERGROUND TELECOMMUNICATIONS CONDUITS REQUIRED FOR COMMUNICATION SERVICES TO NEW BUILDING REFERENCE THROUGHOUT THE PROJECT.

3. REFER TO SCHEDULES AND SPECIFICATIONS FOR CONDUIT SIZES.

4. ALL INSTALLATION SHALL COMPLY WITH BICSI STANDARDS.

5. PRIOR TO ANY INSTALLATION, CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE/IT COORDINATOR TO CONFIRM/VERIFY EQUIPMENT RACK INSTALLATION LOCATION(S).

6. PROVIDE A PRE-CONSTRUCTION TRADE MEETING WITH A REPRESENTATIVE FROM THE NETWORKING DEPARTMENT PRIOR TO PERFORMING ANY WORK.

7. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

## DIVISION 26 SPECIFICATIONS:

### 26 05 00 - COMMON WORK FOR ELECTRICAL

1. ALL ELECTRICAL WORK SHALL BE PERFORMED BY LICENSED ELECTRICAL CONTRACTOR AND SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE 2017 NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.

2. ALL PERMIT AND INSPECTION FEES SHALL BE INCLUDED IN BID.

3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THEIR BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.

4. THE PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR DIMENSIONS.

5. CONDUIT/CONDUCTOR LAYOUTS ARE DIAGRAMMATIC. FIELD COORDINATE EXACT LOCATIONS AND ROUTINGS WITH STRUCTURE, PIPING, LIGHT FIXTURES, CONDUITS, ETC.

6. COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. BEFORE ANY PIPING, DUCTWORK, CONDUIT, ETC. IS INSTALLED, IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.

7. MAINTAIN ALL CLEARANCES REQUIRED BY ELECTRICAL EQUIPMENT. COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTOR TO MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK, ETC. ABOVE ELECTRICAL PANELS.

8. THE CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, ACCESSORIES, AND MATERIAL FURNISHED BY THEM FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS.

9. COORDINATE LIGHT FIXTURE LOCATIONS WITH OWNER, STRUCTURE, AND OTHER TRADES PRIOR TO ROUGH-IN.

10. REFER TO SPECIFICATION SHEET SECTIONS FOR ADDITIONAL REQUIREMENTS.

## DIVISION 23 SPECIFICATIONS:

### 23 05 00 - COMMON WORK FOR HEATING, VENTILATION, AND AIR CONDITIONING

1. ALL MECHANICAL WORK SHALL BE PERFORMED BY LICENSED MECHANICAL CONTRACTOR AND SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE 2018 INTERNATIONAL PLUMBING CODE AND ALL APPLICABLE LOCAL CODES AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.

2. ALL PERMIT AND INSPECTION FEES SHALL BE INCLUDED IN BID.

3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THEIR BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.

4. THE PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR DIMENSIONS.

5. DUCTWORK LAYOUTS ARE DIAGRAMMATIC. FIELD COORDINATE EXACT LOCATIONS AND ROUTINGS WITH STRUCTURE, PIPING, LIGHT FIXTURES, CONDUITS, ETC.

6. COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. BEFORE ANY PIPING, DUCTWORK, CONDUIT, ETC. IS INSTALLED, IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.

7. MAINTAIN ALL CLEARANCES REQUIRED BY PLUMBING EQUIPMENT. COORDINATE WITH ELECTRICAL AND HVAC CONTRACTOR TO MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK, ETC. ABOVE ELECTRICAL PANELS.

8. THE CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, ACCESSORIES, AND MATERIALS FURNISHED BY THEM FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS.

9. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

## DIVISION 22 SPECIFICATIONS:

### 22 05 00 - COMMON WORK FOR PLUMBING

1. ALL MECHANICAL WORK SHALL BE PERFORMED BY LICENSED PLUMBING CONTRACTORS AND SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE 2018 INTERNATIONAL PLUMBING CODE AND ALL APPLICABLE LOCAL CODES AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.

2. ALL PERMIT AND INSPECTION FEES SHALL BE INCLUDED IN BID.

3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THEIR BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.

4. THE PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR DIMENSIONS.

5. PIPING LAYOUTS ARE DIAGRAMMATIC. FIELD COORDINATE EXACT LOCATIONS AND ROUTINGS WITH STRUCTURE, DUCTWORK, LIGHT FIXTURES, CONDUITS, ETC.

6. COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. BEFORE ANY PIPING, DUCTWORK, CONDUIT, ETC. IS INSTALLED, IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.

7. MAINTAIN ALL CLEARANCES REQUIRED BY PLUMBING EQUIPMENT. COORDINATE WITH ELECTRICAL AND HVAC CONTRACTOR TO MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK, ETC. ABOVE ELECTRICAL PANELS.

8. THE CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, ACCESSORIES, AND MATERIALS FURNISHED BY THEM FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS.

9. REFER TO SPECIFICATION SECTIONS FOR ADDITIONAL REQUIREMENT.

## DIVISION 21 SPECIFICATIONS:

### 21 05 00 - COMMON WORK FOR FIRE SPRINKLER SYSTEMS.

1. PROVIDE COMPLETE PREACTION (DOUBLE INTERLOCKED) FIRE SPRINKLER SYSTEM TO MEET REQUIREMENTS OF NFPA 13.

2. THE FIRE SPRINKLER CONTRACTOR SHALL PROVIDE THE DESIGN, MATERIALS, EQUIPMENT, FABRICATION, INSTALLATION, ETC. FOR A PREACTION (DOUBLE INTERLOCKED) ELECTRIC/PNEUMATIC RELEASE FIRE SPRINKLER SYSTEM COMPLETE WITH FIRE DEPARTMENT CONNECTIONS AND WET SYSTEM. REFER TO SCHEDULE IN PART 3 EXECUTION IN SPECIFICATION SECTION 21 13 00. ALL PORTIONS OF THE FIRE SYSTEM SHALL BE THE RESPONSIBILITY OF THE FIRE SPRINKLER CONTRACTOR/ENGINEER. ANY PIPING SHOWN ON THE DRAWINGS IS FOR REFERENCE ONLY.

3. ALL PERMIT AND INSPECTION FEES SHALL BE INCLUDED IN BID.

4. THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING HIS OWN FLOW READINGS FOR PURPOSES OF DESIGN.

5. FIRE SPRINKLER WORK SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR WITH AT LEAST 2 YEARS OF INSTALLATION EXPERIENCE ON PROJECTS WITH FIRE PROTECTION WORK SIMILAR TO THAT REQUIRED FOR THE PROJECT.

6. THE FIRE SPRINKLER SYSTEM SHALL BE ENGINEERED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE FOR WHICH THE PROJECT IS BEING CONSTRUCTED IN. THE DESIGN DRAWINGS AND CALCULATIONS SHALL BE STAMPED WITH THEIR MISSOURI SEAL AND SIGNATURE.

7. ALL FIRE SPRINKLER SYSTEM MATERIALS SHALL BE UL LISTED.
8. THE FIRE SPRINKLER SYSTEM CONTRACTOR SHALL ENGINEER AND INSTALL THE FIRE SPRINKLER SYSTEM AS REQUIRED TO PROVIDE PROPER COVERAGE OF THE OCCUPANCY OF THE BUILDING.

9. PROVIDE FIRE DEPARTMENT CONNECTIONS IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT REQUIREMENTS.

10. COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. BEFORE ANY PIPING, DUCTWORK, CONDUIT, ETC. IS INSTALLED, IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.

11. MAINTAIN ALL CLEARANCES REQUIRED BY FIRE SPRINKLER EQUIPMENT. COORDINATE WITH PLUMBING, ELECTRICAL, AND HVAC CONTRACTOR TO MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK, ETC. ABOVE ELECTRICAL PANELS.

12. THE CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, ACCESSORIES, AND MATERIALS FURNISHED BY THEM FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS.

13. REFER TO SPECIFICATION SECTIONS FOR ADDITIONAL REQUIREMENT.

## DIV 28 SECURITY LEGEND

- CR CARD READER
- CM CAMERA
- DR DOOR RELEASE
- IE INTERCOM ENTRY
- KP KEYPAD
- MD MOTION DETECTOR
- PT POWER TRANSFORMER
- PB PUSH BUTTON
- XB REQUEST FOR EXIT BUTTON
- XM REQUEST FOR EXIT MOTION
- TG TOGGLE SWITCH

## DIV 28 FIRE ALARM LEGEND

- PS PULL STATION
- V WALL VISUAL
- V CEILING VISUAL
- AV WALL AUDIO VISUAL
- AV CEILING AUDIO VISUAL
- SV WALL SPEAKER VISUAL
- SV CEILING SPEAKER VISUAL
- TS TAMPER SWITCH
- FS FLOW SWITCH
- B FIRE ALARM BELL
- R FIRE ALARM RELAY
- PN FIRE ALARM PANEL
- AN FIRE ANNUNCIATOR PANEL
- SD SMOKE DETECTOR
- HD HEAT DETECTOR
- DD DUCT DETECTOR

- TX TELECOMMUNICATIONS OUTLET: MAY BE USED FOR VOICE, DATA, FAX, CABLE TV, OR ANY COMBINATION. COVER PLATE AND JACKS BY OTHERS.
- REFER TO COMMUNICATIONS DEVICE DETAILS

## DIV 27 A/V LEGEND

- B BELL/CHIME
- PB PUSH BUTTON
- CS CEILING SPEAKER
- WS WALL SPEAKER
- CP CONTROL PANEL
- IP INPUT

## DIVISION 26 POWER LEGEND

- J JUNCTION BOX
- DUPLEX, 20-AMP RECEPTACLE
- GF GROUND FAULT CIRCUIT INTERRUPTER, 20-AMP RECEPTACLE
- WP DUPLEX WITH WEATHERPROOF ENCLOSURE, 20-AMP RECEPTACLE
- AC DUPLEX INSTALLED ABOVE COUNTER, 20-AMP RECEPTACLE
- SIMPLEX, 20-AMP RECEPTACLE
- SIMPLEX WITH NEMA CONFIGURATION AS INDICATED
- DOUBLE DUPLEX, 20-AMP RECEPTACLE
- FLOOR BOX WITH DEVICES AS INDICATED
- LIGHTING AND POWER PANELBOARD
- DISTRIBUTION POWER PANELBOARD
- ELECTRICAL EQUIPMENT HATCHING. INDICATES NEW EQUIPMENT TO BE PROVIDED AND INSTALLED. REFER TO ELECTRICAL SCHEDULE(S).

## DIV 26 LIGHTING LEGEND

- \$ SINGLE POLE, 20-AMP LIGHT SWITCH
- \$3 THREE-WAY, 20-AMP LIGHT SWITCH
- \$4 FOUR-WAY, 20-AMP LIGHT SWITCH
- \$D DIMMER SWITCH
- \$2 TWO POLE, 20-AMP SWITCH
- EXIT LIGHT WITHOUT EMERGENCY HEADS
- NL - UNSWITCHED "NIGHT LIGHT" FIXTURE

## DIVISION 23 HVAC LEGEND

- MITER ELBOW
- FLEX DUCT
- RECTANGULAR TO ROUND TAKE-OFF WITH DAMPER
- SUPPLY DIFFUSER
- RETURN GRILLE
- FLOOR REGISTER
- MANUAL BALANCING DAMPER
- CONTROL DAMPER WITH ACTUATOR
- THERMOSTAT
- HVAC EQUIPMENT HATCHING. INDICATES NEW EQUIPMENT TO BE PROVIDED AND INSTALLED. REFER TO MECHANICAL SCHEDULE(S).
- SUPPLY ELBOW UP
- RETURN ELBOW UP
- 24/12 DOUBLE WALL OVAL DUCT
- 24 x 12 RECTANGULAR DUCT
- 24"Ø ROUND DUCT

## DIV 22 PLUMBING LEGEND

- VENT PIPING
- SAN SANITARY WASTE PIPING
- G NATURAL GAS PIPING
- D CONDENSATE DRAIN PIPING
- RD ROOF DRAIN PIPING
- F FIRE SPRINKLER PIPING
- DOMESTIC COLD WATER PIPING
- DOMESTIC HOT WATER PIPING
- DOMESTIC HOT WATER RETURN PIPING
- MANUAL SHUT-OFF VALVE
- REDUCER
- PRESSURE REDUCING VALVE
- FINISH FLOOR OR FINISH GRADE CLEANOUT
- FLOOR DRAIN
- PLUMBING FIXTURE HATCHING. INDICATES NEW PLUMBING FIXTURE TO BE PROVIDED AND INSTALLED. REFER TO PLUMBING FIXTURE SCHEDULE

## MEP GENERAL ABBREVIATION LEGEND

- KEYNOTE TAG
- CONDUIT AND CONDUCTOR TAG
- TELECOM AND AUDIO/VISUAL TAG
- TELECOM TELECOM CONDUIT
- AV AUDIO/VISUAL CONDUIT
- SECURITY SECURITY CONDUIT
- UGE UNDERGROUND ELECTRICAL
- OHE OVERHEAD ELECTRICAL
- G NATURAL GAS PIPING
- W WATER MAIN PIPING
- SAN SANITARY WASTE PIPING
- IRR IRRIGATION PIPING

RELEASE FOR CONSTRUCTION  
AS NOTED ON PLANS REVIEWED  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI

SAPP DESIGN ARCHITECTS

3750 S. Fremont Ave.  
Springfield, MO 65804

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Sapp Design Associates Architects, P.C.  
Missouri State Certificate of Authority #000607

1629 Walnut  
Kansas City, MO 64108

816.300.0300

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Mid-Continent Public Library  
NEW BRANCH LIBRARY  
COLBERN ROAD BRANCH

1000 NE COLBERN RD  
LEE'S SUMMIT, MO 64086  
JACKSON COUNTY

STATE OF MISSOURI  
JACOB ADAM NELSON  
NUMBER PE-2009018758  
PROFESSIONAL ENGINEER  
12/23/2019

TRUE ENGINEERING  
MECHANICAL • ELECTRICAL • PLUMBING

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SPRINGFIELD, MO 65807  
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Revision No.	Description	Date
4	SI #02	03-13-2020

Project No.	Date	Drawn
WP10	12/23/2019	RA

Drawn Nn  
MEP100  
MECH & ELEC TITLE SHEET

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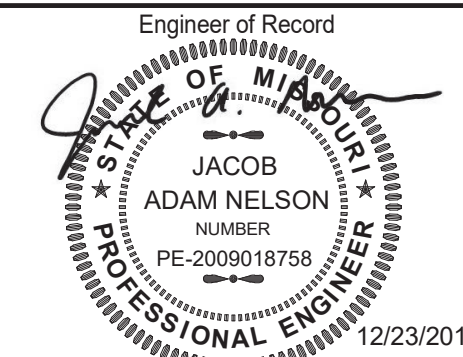
Company Name  
Missouri State Certificate of Authority #

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## Mid-Continent Public Library NEW BRANCH LIBRARY COLBERN ROAD BRANCH 1000 NE COLBERN RD LEE'S SUMMIT, MO 64086 JACKSON COUNTY



JACOB A NELSON, PE MO PE-2009018758



True Engineering Group LLC  
Missouri State Certificate of Authority #E-20160000752

Revision No.	Description	Date
4	SI #02	03-13-2020

Project No.	Date	Drawn
WP10	12/23/2019	AH

Drawing No.

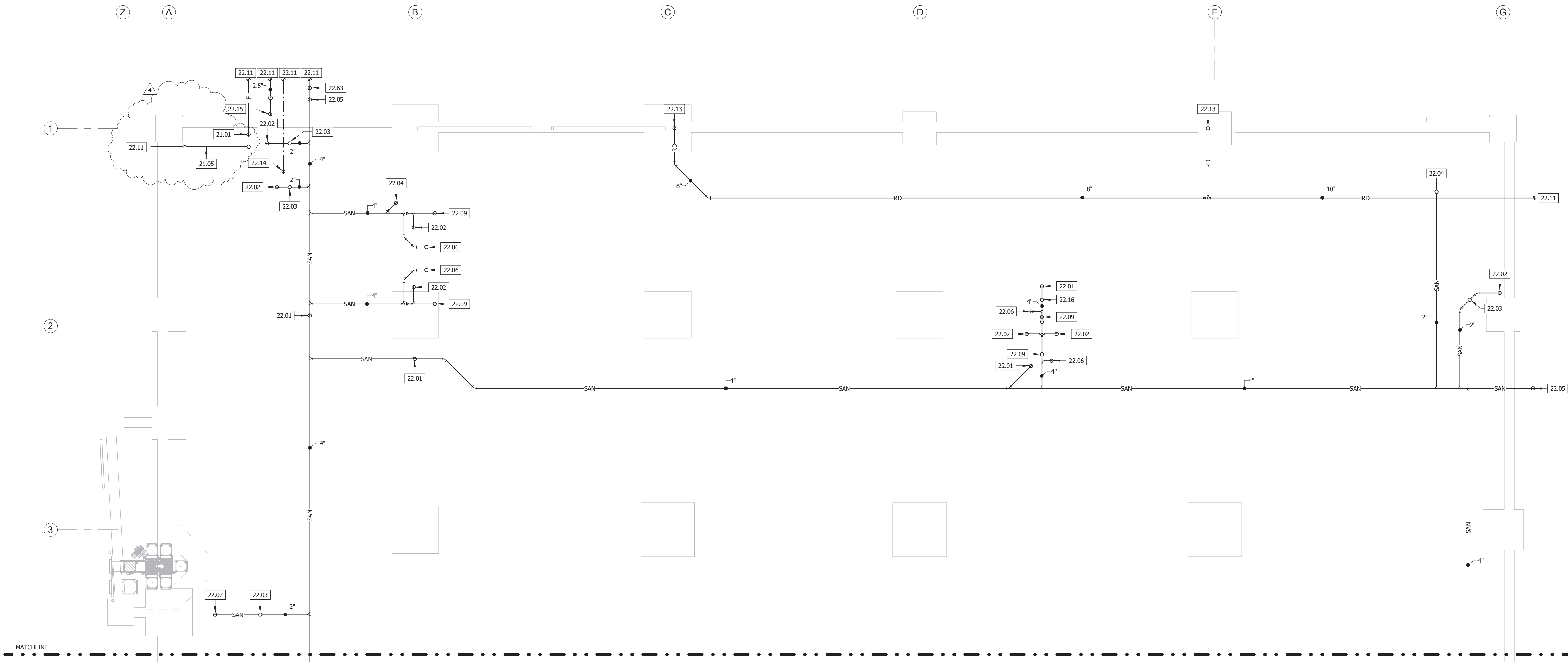
# P101

UNDERGROUND PLUMBING  
PLAN - AREA B

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## KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
21.01	FIRE SPRINKLER SERVICE UP. SIZE AND DESIGN BY FIRE SPRINKLER ENGINEER.
21.05	FIRE SPRINKLER LINE TO POST MOUNTED FIRE DEPARTMENT CONNECTION. COORDINATE WITH FIRE SPRINKLER CONTRACTOR.
22.01	4" WASTE UP TO FINISH FLOOR CLEANOUT.
22.02	2" TRAPPED WASTE UP TO FLOOR DRAIN.
22.03	1.5" VENT UP.
22.04	2" WASTE UP TO SINK.
22.05	4" WASTE UP TO FINISH GRADE CLEANOUT.
22.06	4" WASTE UP TO WATER CLOSET.
22.09	2" WASTE UP TO LAVATORY.
22.11	REFER TO CIVIL PLAN FOR CONTINUATION.
22.13	8" ROOF DRAIN LEADER UP. COORDINATE WITH STRUCTURAL FOOTING.
22.14	2" WATER SERVICE UP.
22.15	NATURAL GAS SERVICE UP. COORDINATE WITH UTILITY COMPANY.
22.16	2" WASTE UP TO DRINKING FOUNTAIN.
22.63	6" WASTE RISER UP TO SAMPLING PORT. REFER TO DETAIL 2/P300.



1 UNDERGROUND PLUMBING PLAN - AREA B  
1/8" = 1'-0"



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Missouri State Certificate of Authority #000720

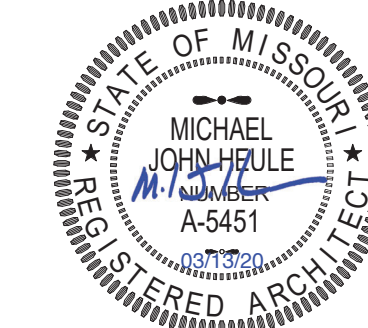
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## Mid-Continent Public Library NEW BRANCH LIBRARY Colbern Road Branch 1000 NE COLBERN ROAD LEE'S SUMMIT, MISSOURI 64086 JACKSON COUNTY

Architect of Record



Michael John Heule, Architect MO A-5451

AREA B

### KEY PLAN

Revision No.	Description	Date
1	ADDENDUM 01	01/13/20
3	ASI 01	02/17/20
4	ASI 02	03/13/20

Project No.	Date	Drawn
WP10	12-23-2019	TLK

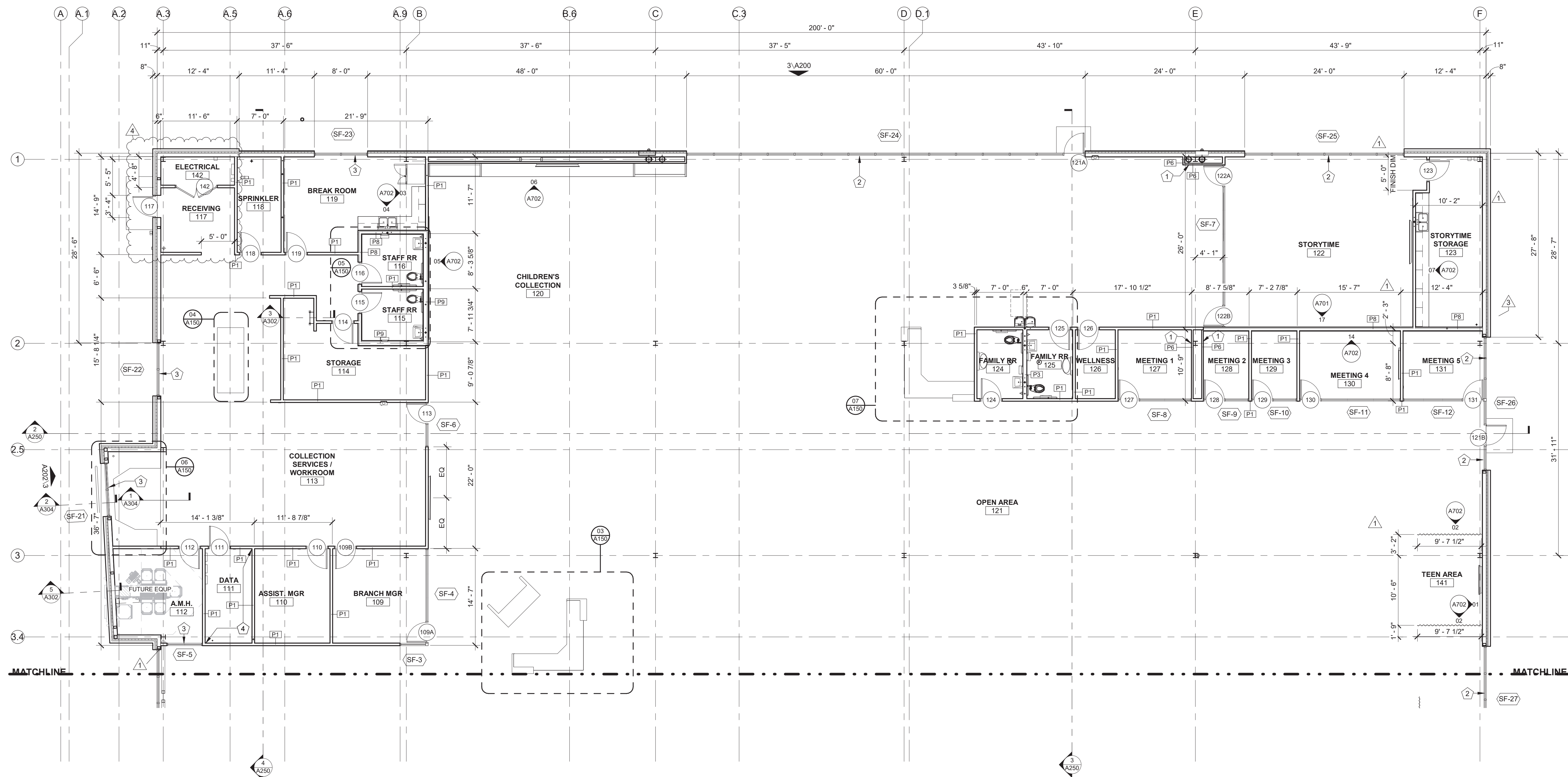
Drawing No.

## A102

FLOOR PLAN - AREA B

### KEYNOTES

- 1 HOLD FURRING TIGHT TO DRAIN AND/OR COLUMN, TYP
- 2 INSTALL MOTORIZED MECHOSHADE EXPOSED POCKET IN SATIN ANODIZED ALUM FINISH WITH THERMOVEIL BASKET WEAVE 1300 SERIES SHADE (5% OPEN) COLOR: SILVER BIRCH THE FULL WIDTH AND HEIGHT OF THE STOREFRONT OPENING, PER SPECIFICATIONS. ENSURE SEAMS OF SHADE PANELS ARE CENTERED ON THE MULLIONS OF THE STOREFRONT
- 3 INSTALL MANUAL MECHOSHADE RECESSED POCKET WITH WHITE FASCIA AND MANUAL THERMOVEIL BASKET WEAVE 1300 SERIES SHADE (5% OPEN) COLOR: SILVER BIRCH THE FULL WIDTH AND HEIGHT OF THE STOREFRONT OPENING, PER SPECIFICATIONS. ENSURE SEAMS OF SHADE PANELS ARE CENTERED ON THE MULLIONS OF THE STOREFRONT
- 4 PROVIDE CONTINUOUS FIRE TREATED PLYWOOD TO PARTITION FOR AV EQUIPMENT



## 1 FLOOR PLAN - AREA B

1/8" = 1'-0"





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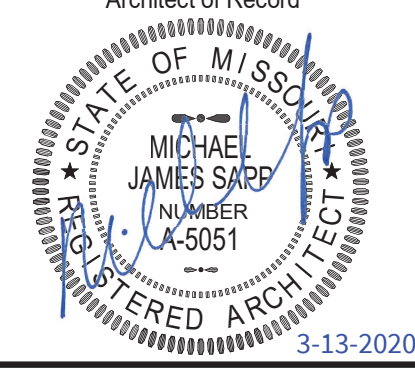
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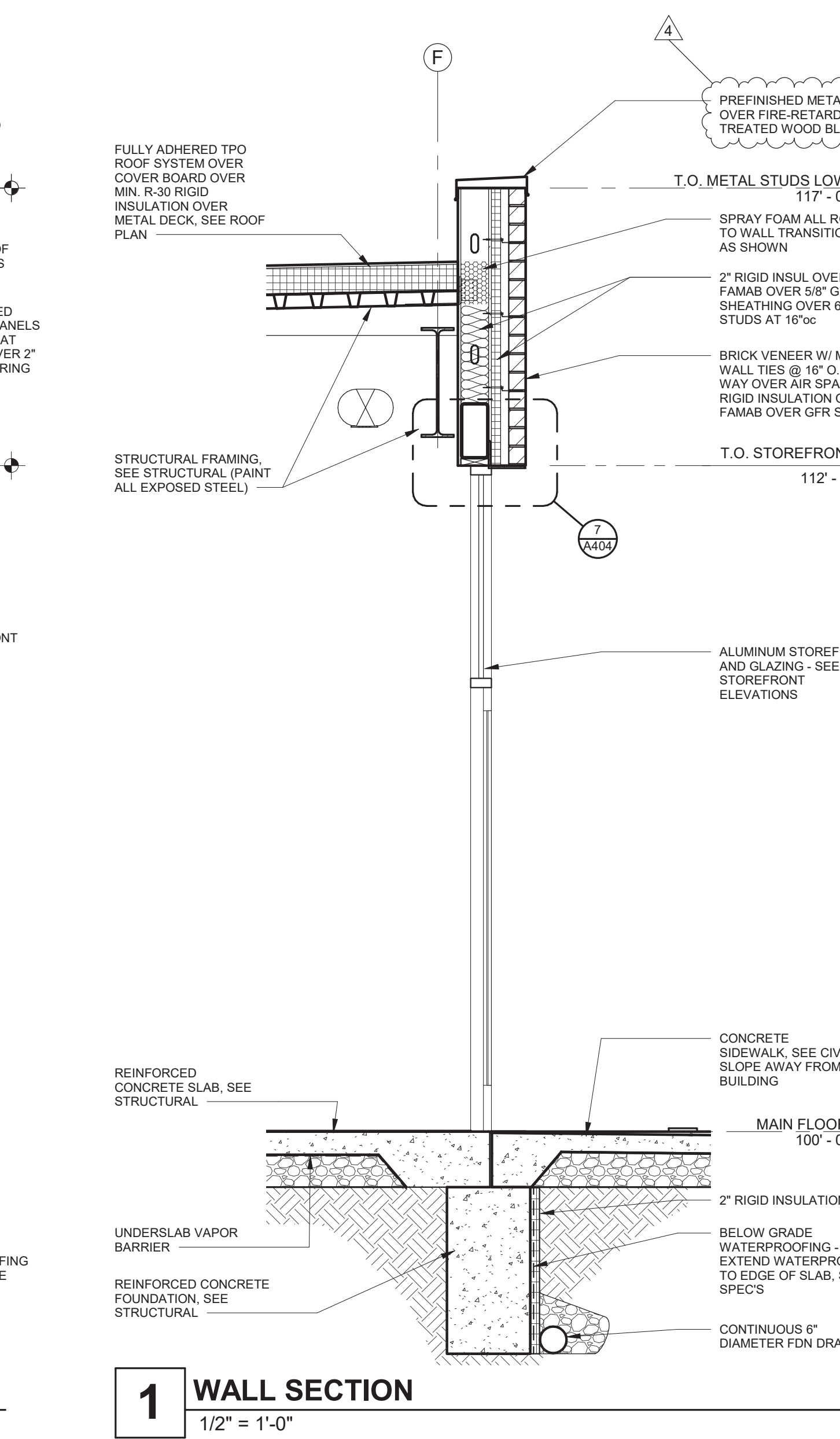
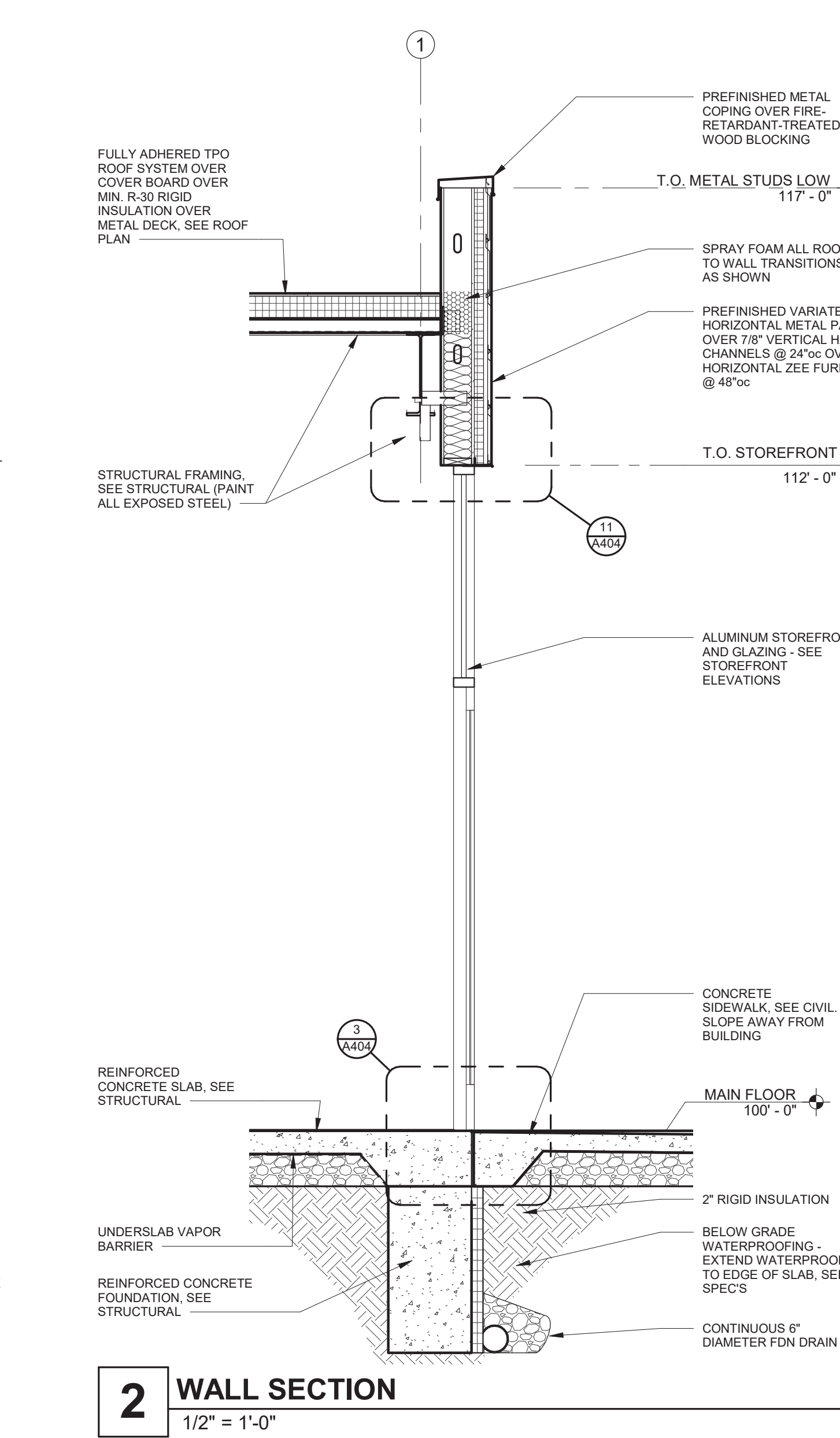
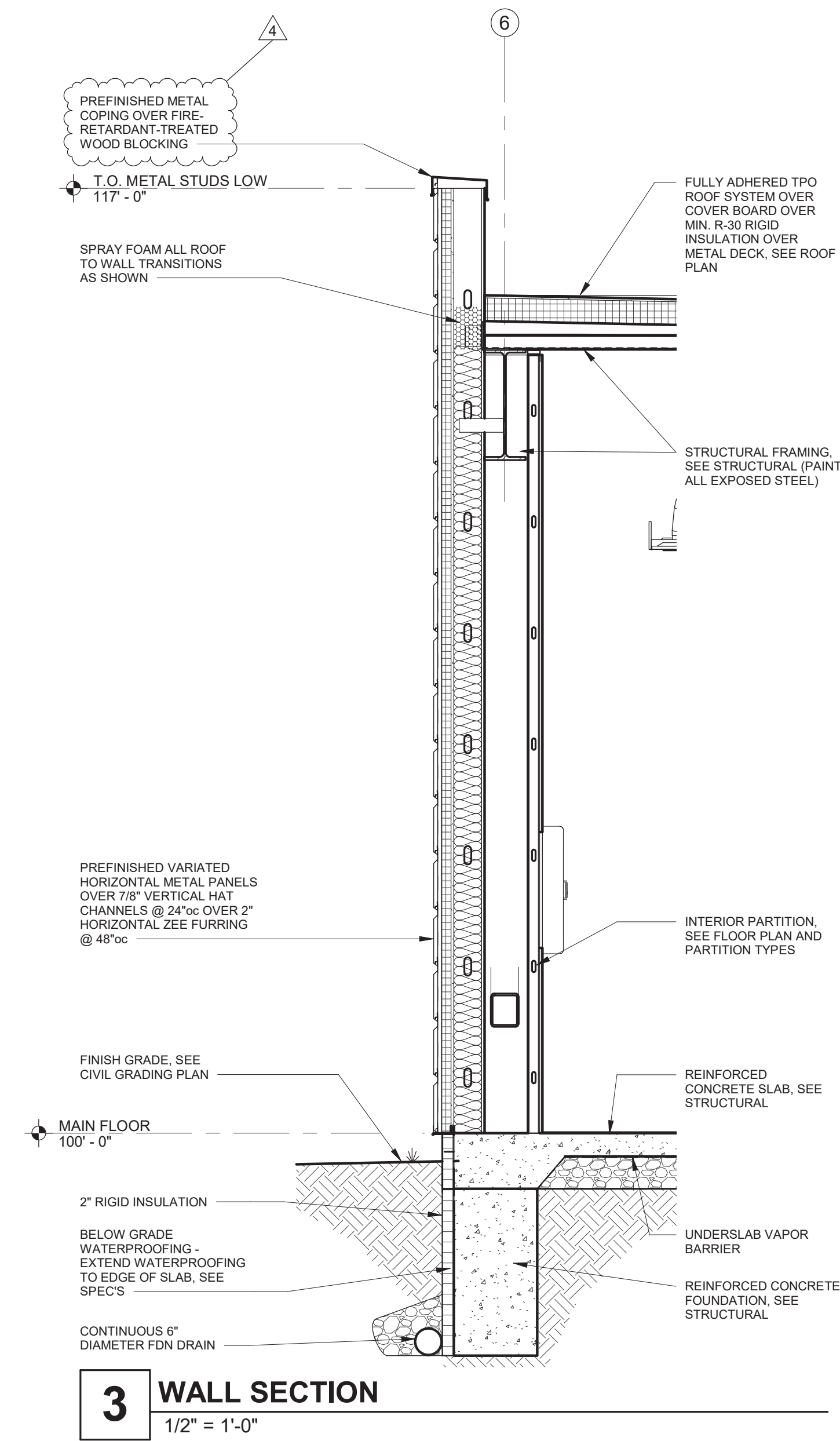
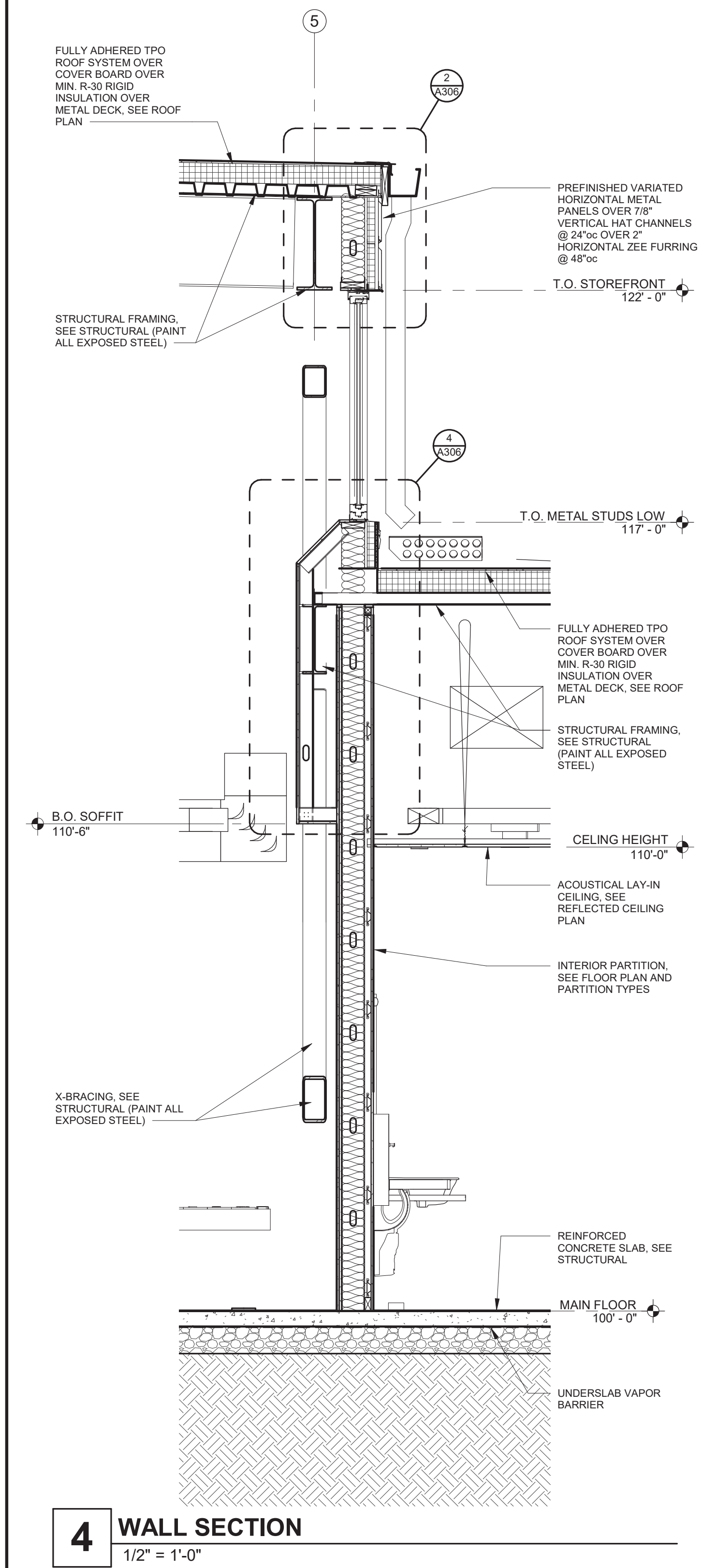
## Mid-Continent Public Library NEW BRANCH LIBRARY Colbern Road Branch 1000 NE COLBERN ROAD LEE'S SUMMIT, MISSOURI 64086 JACKSON COUNTY

Architect of Record  
  
3-13-2020  
Michael James Sapp, Architect MO A-5051

Revision No.	Description	Date
4	ASI 02	03/13/20

Project No.	Date	Drawn
WP10	12-23-2019	JDL

## A301 WALL SECTIONS





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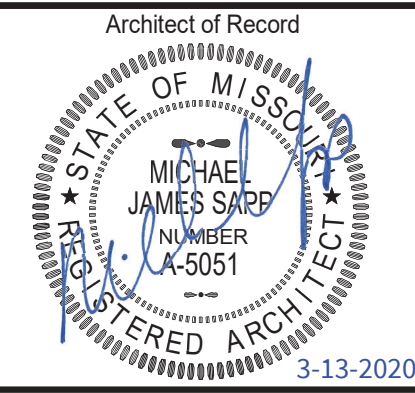
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## Mid-Continent Public Library NEW BRANCH LIBRARY Colbern Road Branch 1000 NE COLBERN ROAD LEE'S SUMMIT, MISSOURI 64086 JACKSON COUNTY

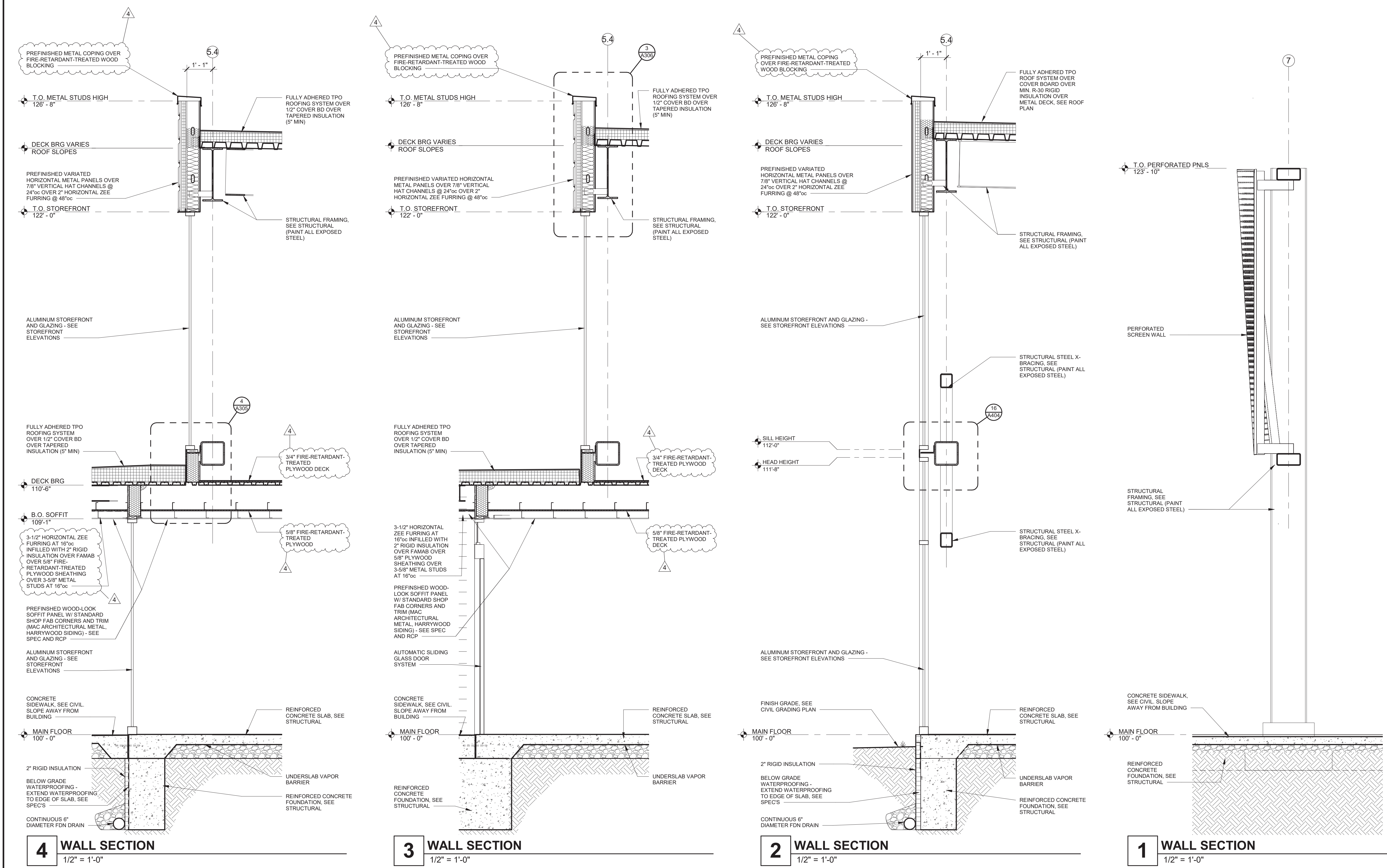


Michael James Sapp, Architect MO A-5051

Revision No.	Description	Date
4	ASI 02	03/13/20

Project No.	Date	Drawn
WP10	12-23-2019	JDL

Drawing No.  
**A303**  
WALL SECTIONS





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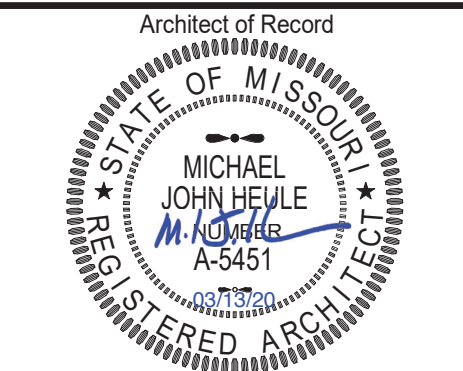
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### SPECIAL NOTICES

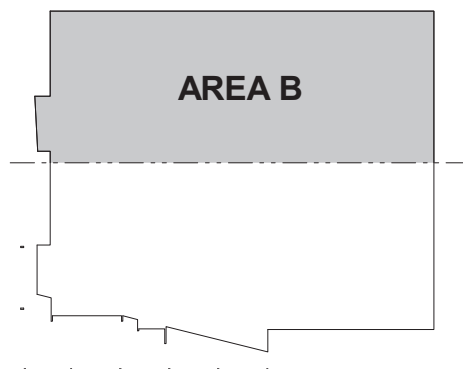
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Michael John Heule, Architect MO A-5451



Revision No.	Description	Date
1	ADDENDUM 01	01/13/20
4	ASI 02	03/13/20

Project No.	Date	Drawn
WP10	12-23-2019	TLK

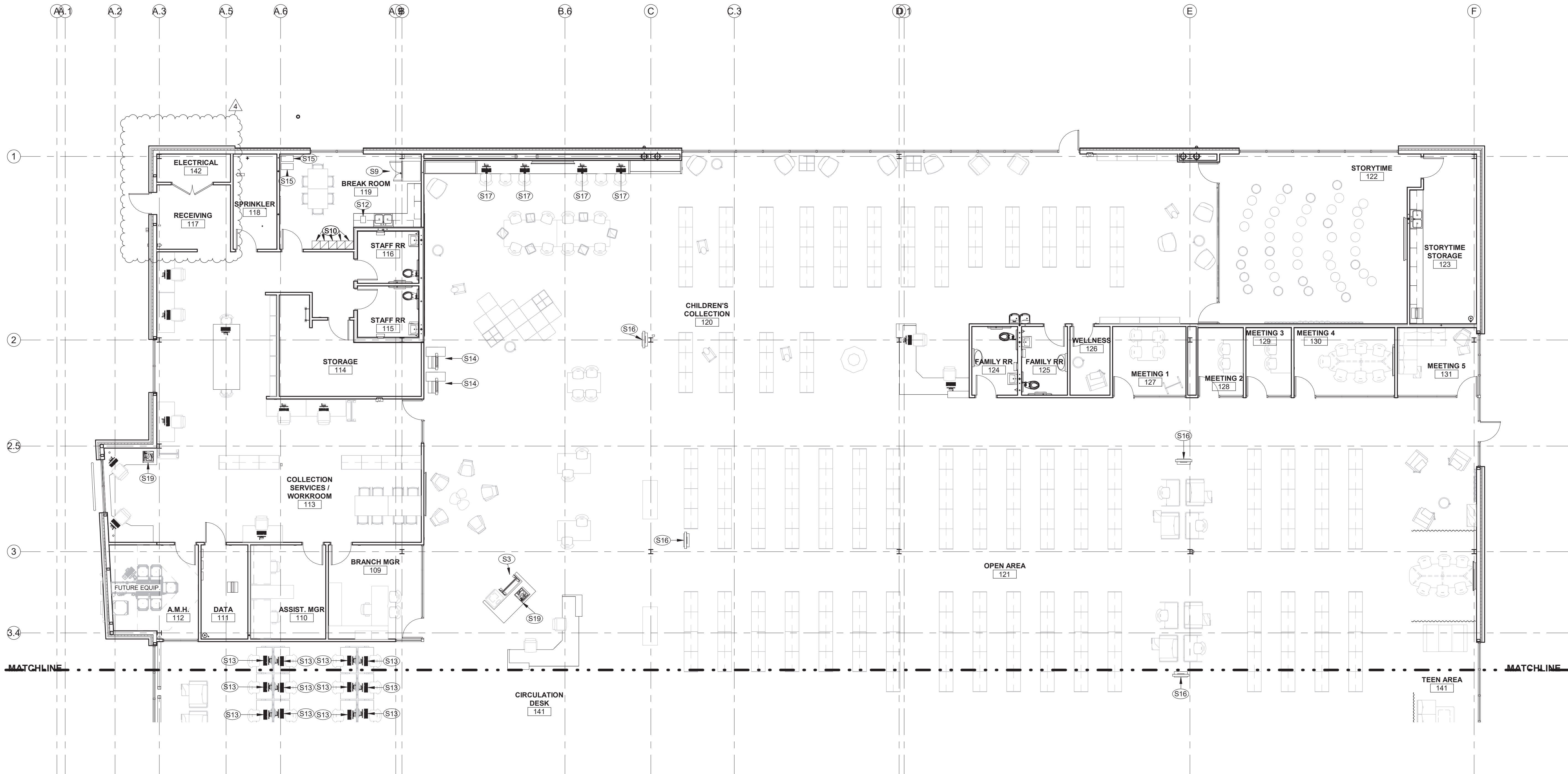
Drawing No.

## A902

FF&E PLAN - AREA B

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KEYNOTES	Type Mark	Description	Comments
	S1	UNDERCOUNTER ICE MACHINE	HOSHIZAKI AM-50BAE-AD, GC PROVIDED, GC INSTALLED
	S2	COPIER	OWNER PROVIDED, OWNER INSTALLED
	S3	LAPTOP CART	OWNER PROVIDED, OWNER INSTALLED
	S4	BLENDER	VITAMIX COMMERCIAL 062824, GC PROVIDED, GC INSTALLED
	S5	TEA BREWER	OWNER PROVIDED, OWNER INSTALLED
	S6	FAX MACHINE	OWNER PROVIDED, OWNER INSTALLED
	S7	RFID SCANNER GATE	OWNER PROVIDED, OWNER INSTALLED
	S8	ESPRESSO MACHINE	LA MARZOCCO GB5 2 GROUP FINISH-RAL 1012 ZITRONENGELB, GC PROVIDED, GC INSTALLED
	S9	REFRIGERATOR	LG LFX25974, GC PROVIDED, GC INSTALLED
	S10	LOCKERS	LYON LOCKER, PP5630 FOUR TIER 15x15x66, DOVE GRAY, GC PROVIDED AND INSTALLED
	S11	SHRED BOX	OWNER PROVIDED, OWNER INSTALLED
	S12	COFFEE MAKER	OWNER PROVIDED, OWNER INSTALLED
	S13	PUBLIC COMPUTER	OWNER PROVIDED, OWNER INSTALLED
	S14	SELF CHECK KIOSK	OWNER PROVIDED, OWNER INSTALLED
	S15	WASTE RECEPTACLE	OWNER PROVIDED, OWNER INSTALLED
	S16	SEARCH STATION TOUCH SCREEN	OWNER PROVIDED, OWNER INSTALLED
	S17	AWE COMPUTER	OWNER PROVIDED, OWNER INSTALLED
	S18	PUBLIC PRINTER	OWNER PROVIDED, OWNER INSTALLED
	S19	STAFF PRINTER	OWNER PROVIDED, OWNER INSTALLED
	S20	UNDERCOUNTER REFRIGERATOR	SUMMIT APPLIANCE AL54, GC PROVIDED, GC INSTALLED
FURNITURE IS SHOWN FOR REFERENCE ONLY. COORDINATE POWER WITH MEP AND OWNER FURNITURE VENDOR	S21	WATER/ICE DISPENSER	HOSHIZAKI DCM-270BAH-OS, GC PROVIDED, GC INSTALLED
	S22	DISHWASHER	BOSCH SGX68U5UC, GC PROVIDED, GC INSTALLED
	S23	ESPRESSO GRINDER	MAZZER MAJOR GRINDER, GC PROVIDED, GC INSTALLED
	S24	POINT OF SALE	OWNER PROVIDED, OWNER INSTALLED
	S25	STANCHION + STANCHION STORAGE CART, REF SPEC	GC PROVIDED, GC INSTALLED



## 1 FF&E PLAN - AREA B

1/8" = 1'-0"