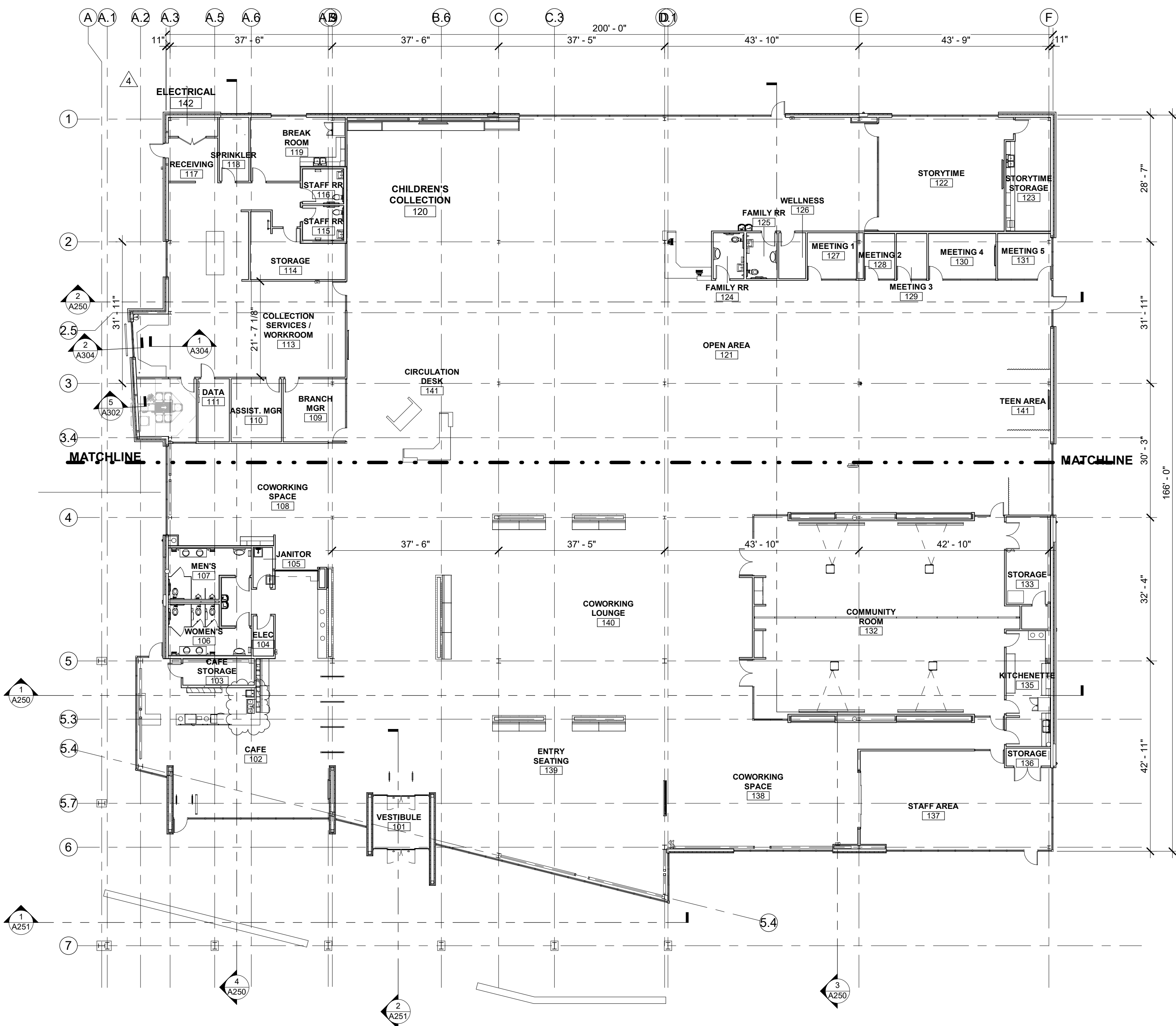




1 OVERALL FLOOR PLAN
1/16" = 1'-0"

GENERAL NOTES

- ALL DIMENSIONS INDICATED IN CONTRACT DOCUMENTS ARE FROM FACE OF STUD TO FACE OF STUD FOR INTERIOR PARTITIONS, FACE OF EXISTING STRUCTURE OR FINISH FACE OF CONCRETE OR BLOCK, OR TO STRUCTURAL LINE, EXCEPT AS NOTED OTHERWISE. EXTERIOR DIMENSIONS ARE TO FACE OF CMU. DIMENSIONS OF EXISTING STRUCTURE, ETC. ARE ± AND SHOULD BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF WORK AND ARCHITECT NOTIFIED OF ANY DISCREPANCIES.
- SEE GENERAL NOTES ON G100 FOR WORK PERTAINING TO EXISTING CONDITIONS, DIMENSIONS, ETC.

KEYNOTES

SAPP DESIGN ARCHITECTS

3750 S. Fremont Ave.
Springfield, MO 65804 417.877.9600

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

helix.

1629 Walnut
Kansas City, MO 64108 816.300.0300

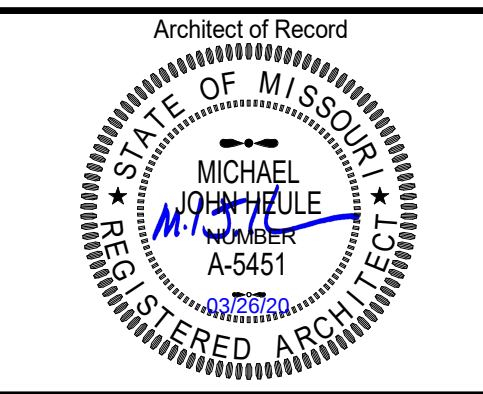
Helix Architecture + Design
Missouri State Certificate of Authority #000720

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

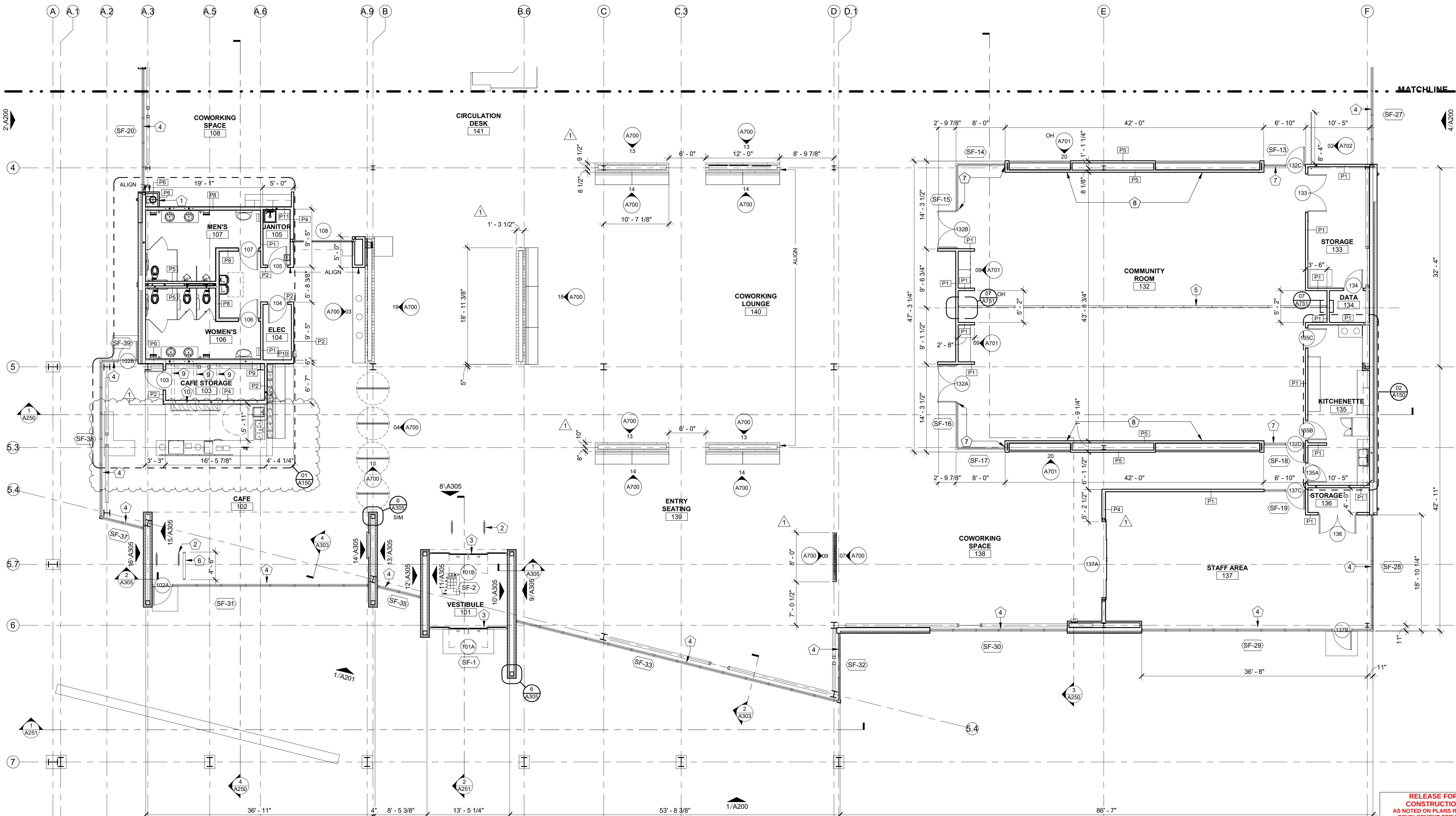


Michael John Heule, Architect MO A-5451

Revision No.	Description	Date
4	ASI 02	03/13/20
5	ASI 03	Date 5

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

Drawing No.
A100
OVERALL FLOOR PLAN



1 FLOOR PLAN - AREA A
1/8" = 1'-0"

KEYNOTES

- 1 HOLD FURRING TIGHT TO DRAIN AND/OR COLUMN, TYP
- 2 RFID SECURITY GATES PROVIDED BY OWNER
- 3 AUTOMATIC SLIDING DOOR SYSTEM, REFER TO DOOR & WINDOW SCHEDULE. SEE SPECIFICATIONS FOR MORE INFORMATION
- 4 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
- 5 MODERNFOLD ACOUSTI-SEAL ENCORE 56 PAIRED PANEL OPERABLE WALL SYSTEM. (2) PAIRED PANELS ON EACH END OF WALL TO BE CLAD IN MODERNFOLD FABRIC LUMA-SMOKE 111873-589 FULL HEIGHT. THE (3) PAIRED PANELS CENTERED IN WALL SYSTEM TO BE CLAD IN FULL HEIGHT MARKER BOARD. REF SPECIFICATION FOR PERFORMANCE REQUIREMENTS AND WARRANTY/MAINTENANCE PLAN.
- 6 4'-0" HIGH GLASS RAILING, REF SPECIFICATION FOR SYSTEM HARDWARE
- 7 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
- 8 INSTALL 22'-0" WIDE CONTINUOUS RECESSED AS DISPLAY TRACK REVEAL A1025 MOUNTED 9'-0" AFF AND CENTERED ON PARTITION. PROVIDE (12) 48" LINEAL P-END CABLE C2004 STAINLESS STEEL AND (12) SELF-GRIPPING HOOKS H3007AA
- 9 PROVIDE BRACING FROM PARTIAL HEIGHT PARTITION BACK TO FULL HEIGHT PARTITION WHERE VERTICAL SHELVING BRACKETS ARE MOUNTED. ENSURE HORIZONTAL BRACING IS BELOW PARTIAL HEIGHT PARTITION. COORDINATE BRACING WITH MECHANICAL AND PLUMBING IN CEILING AREA OF CAFE STORAGE 103 AS REQUIRED. PAINT HORIZONTAL BRACING PT1 ON ALL EXPOSED SURFACES.
- 10 PROVIDE CONTINUOUS FULL HEIGHT 2X6 BLOCKING WITHIN PARTITION FOR WALL HUNG SHELVING DISPLAY

SAPP DESIGN ARCHITECTS

3750 S. Fremont Ave.
Springfield, MO 65804 417.877.9600

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

helix.

1629 Walnut
Kansas City, MO 64108 816.300.0300

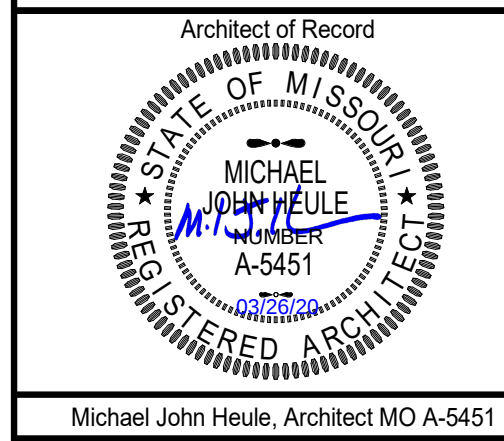
Helix Architecture + Design
Missouri State Certificate of Authority #000720

SPECIAL NOTICES

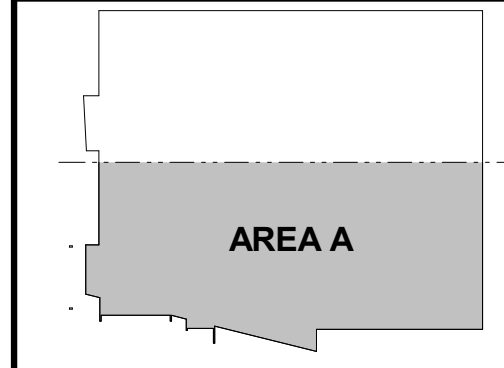
In the event the client consents to, allows, authorizes or approves of changes to any plans, specifications or other construction documents, and these changes are not approved in writing by the design professional, the client recognizes that such changes and the results thereof are not the responsibility 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 authorize this seal and the specification sections pertaining to this seal. 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 LEE'S SUMMIT, MISSOURI 64086 JACKSON COUNTY



Michael John Heule, Architect MO A-5451



KEY PLAN

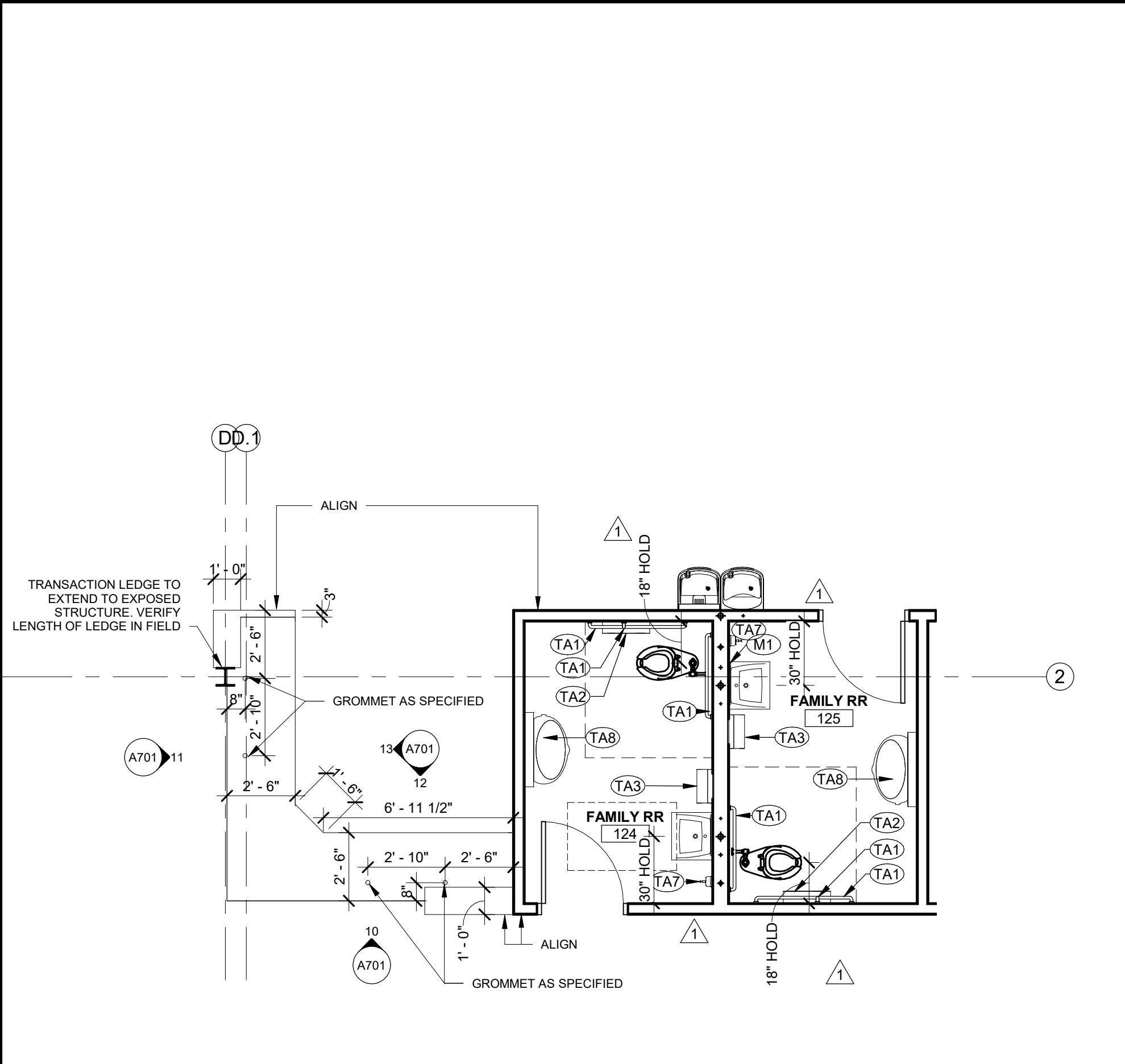
Revision No.	Description	Date
1	ADDENDUM 01	01/13/20
2	ADDENDUM 02	01/20/20
5	ASI 03	Date 5

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

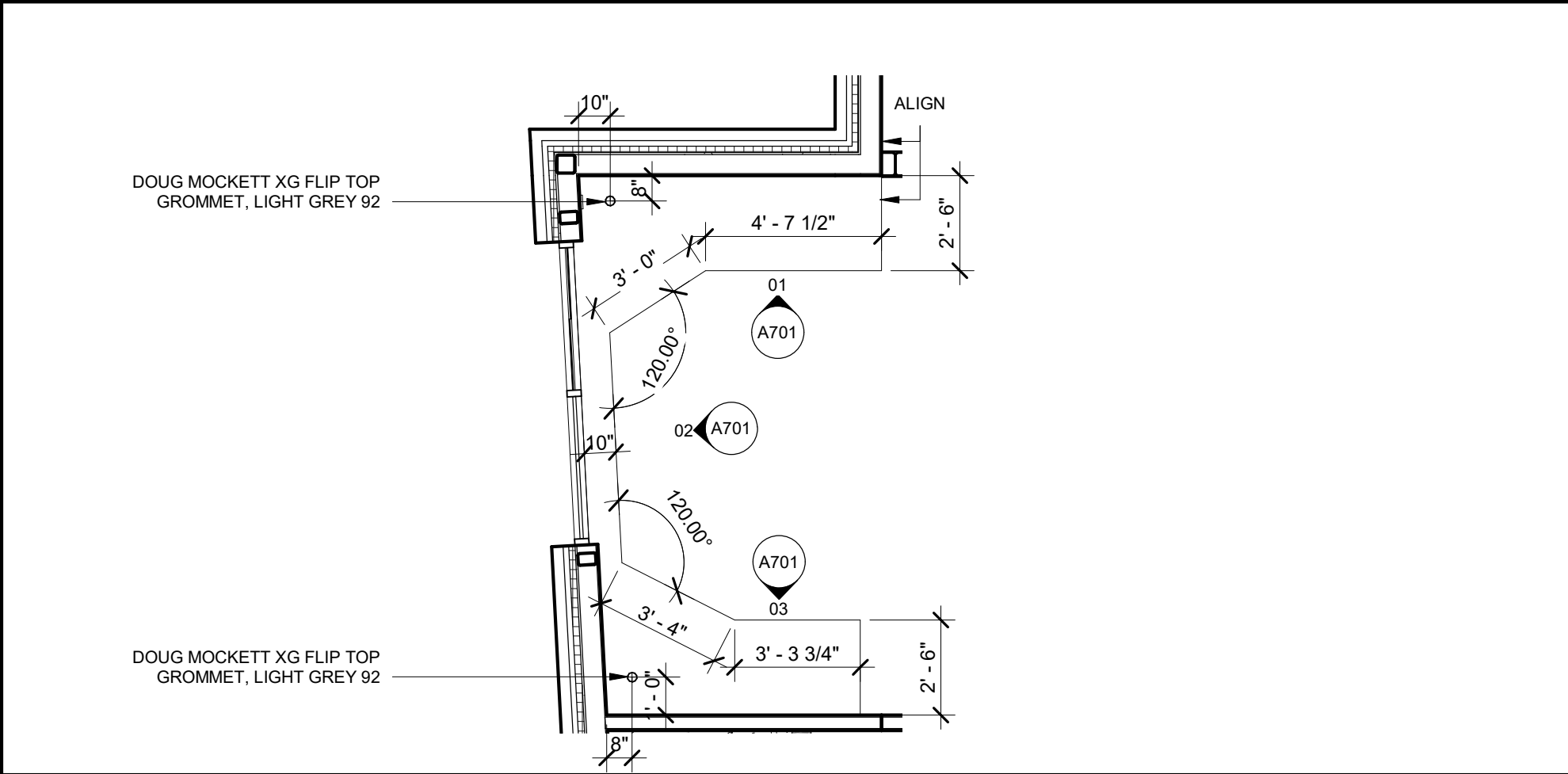
Drawing No.

A101 FLOOR PLAN - AREA A

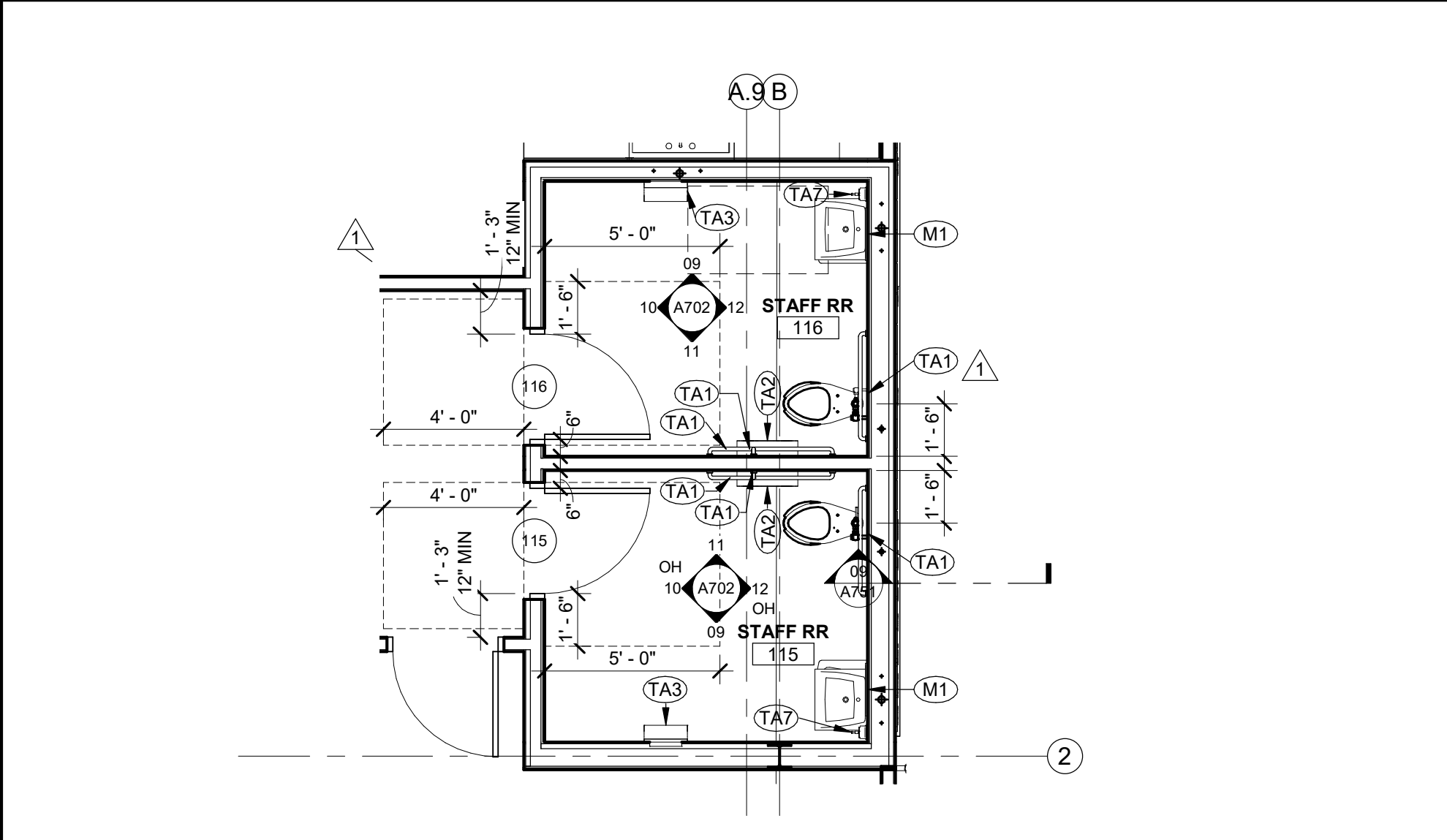
© Copyright 2019 - Sapp Design Associates, Architects, P.C.



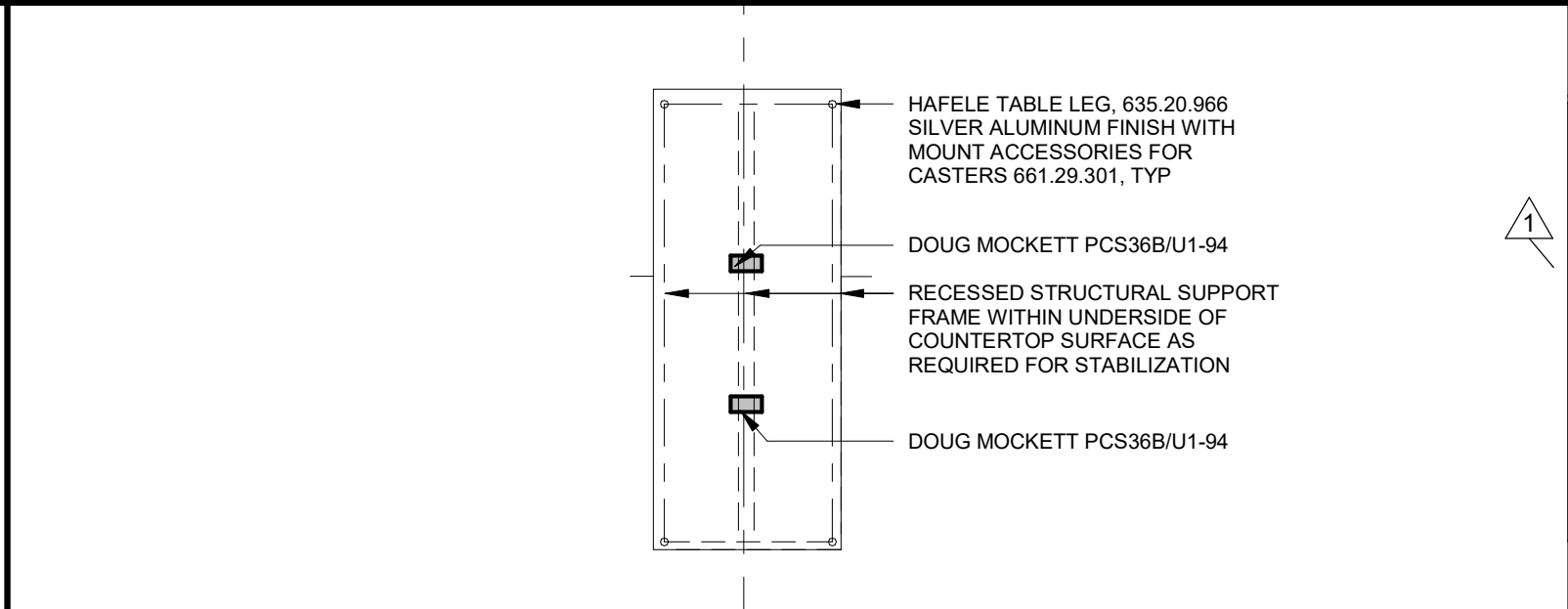
07 ENLARGED PLAN - FAMILY RR & CHILDREN'S CIRC DESK
1/4" = 1'-0"



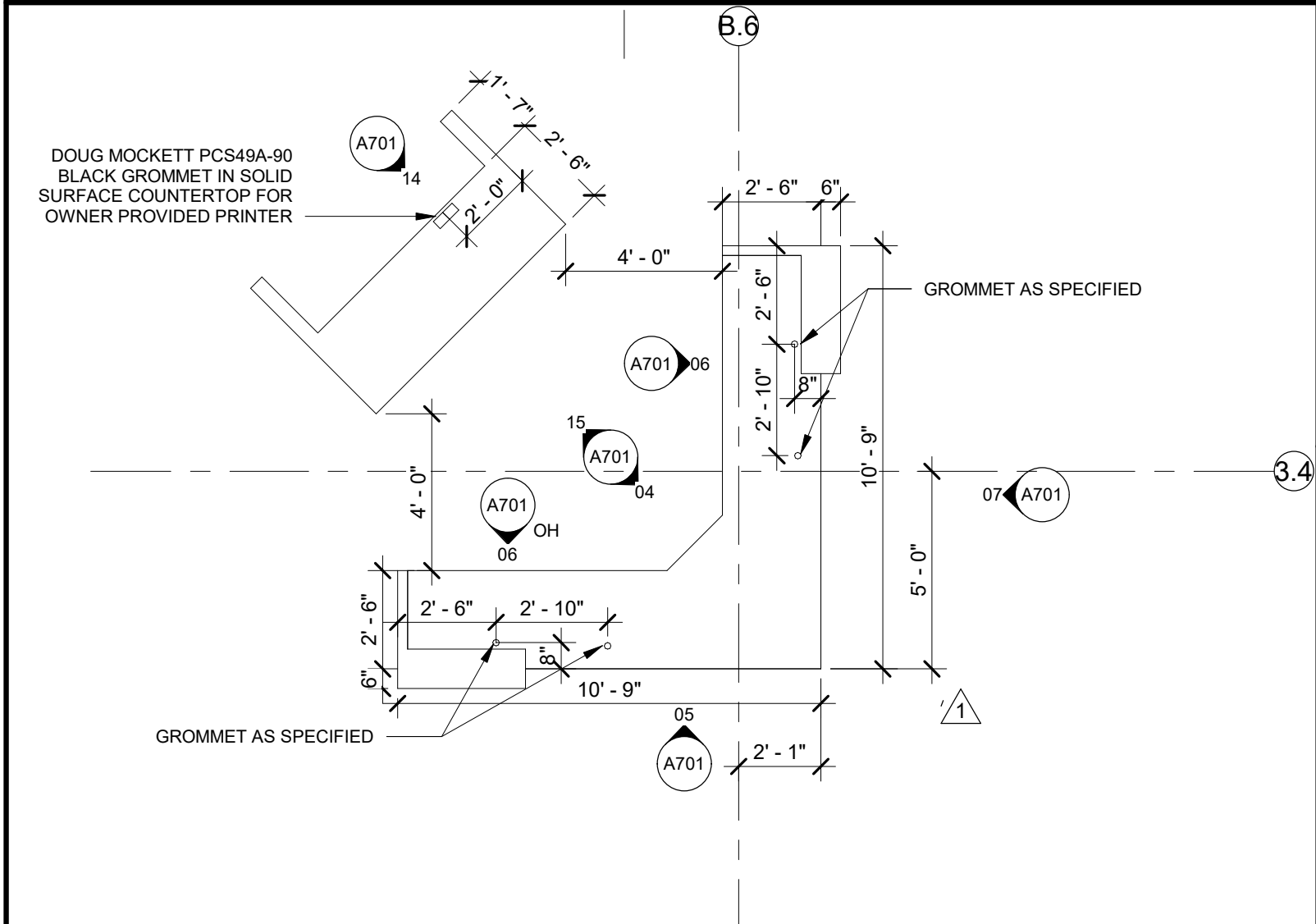
06 ENLARGED PLAN - DRIVE UP WINDOW DESK
1/4" = 1'-0"



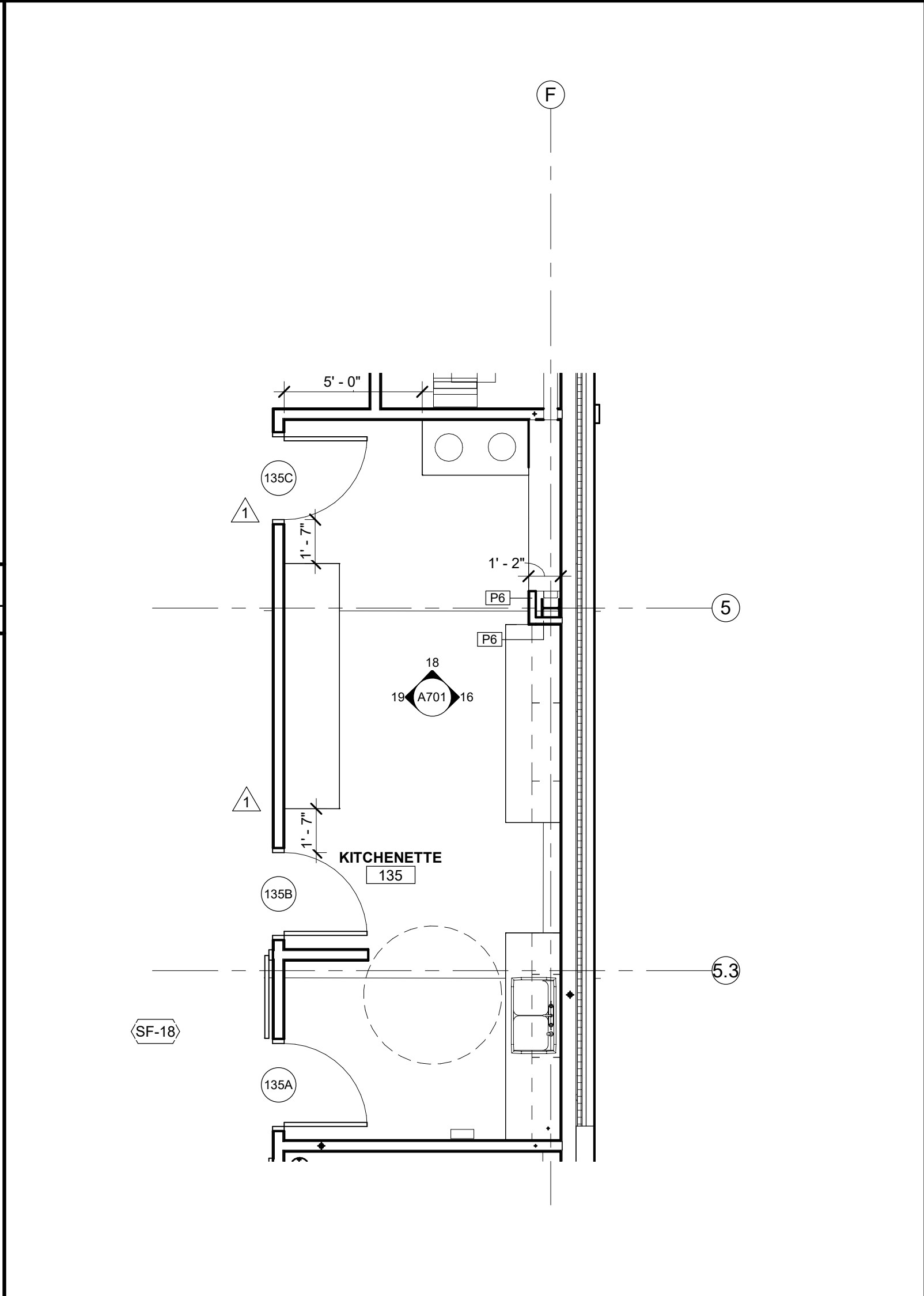
05 ENLARGED PLAN - STAFF RR
1/4" = 1'-0"



04 ENLARGED PLAN - WORKROOM ISLAND
1/4" = 1'-0"

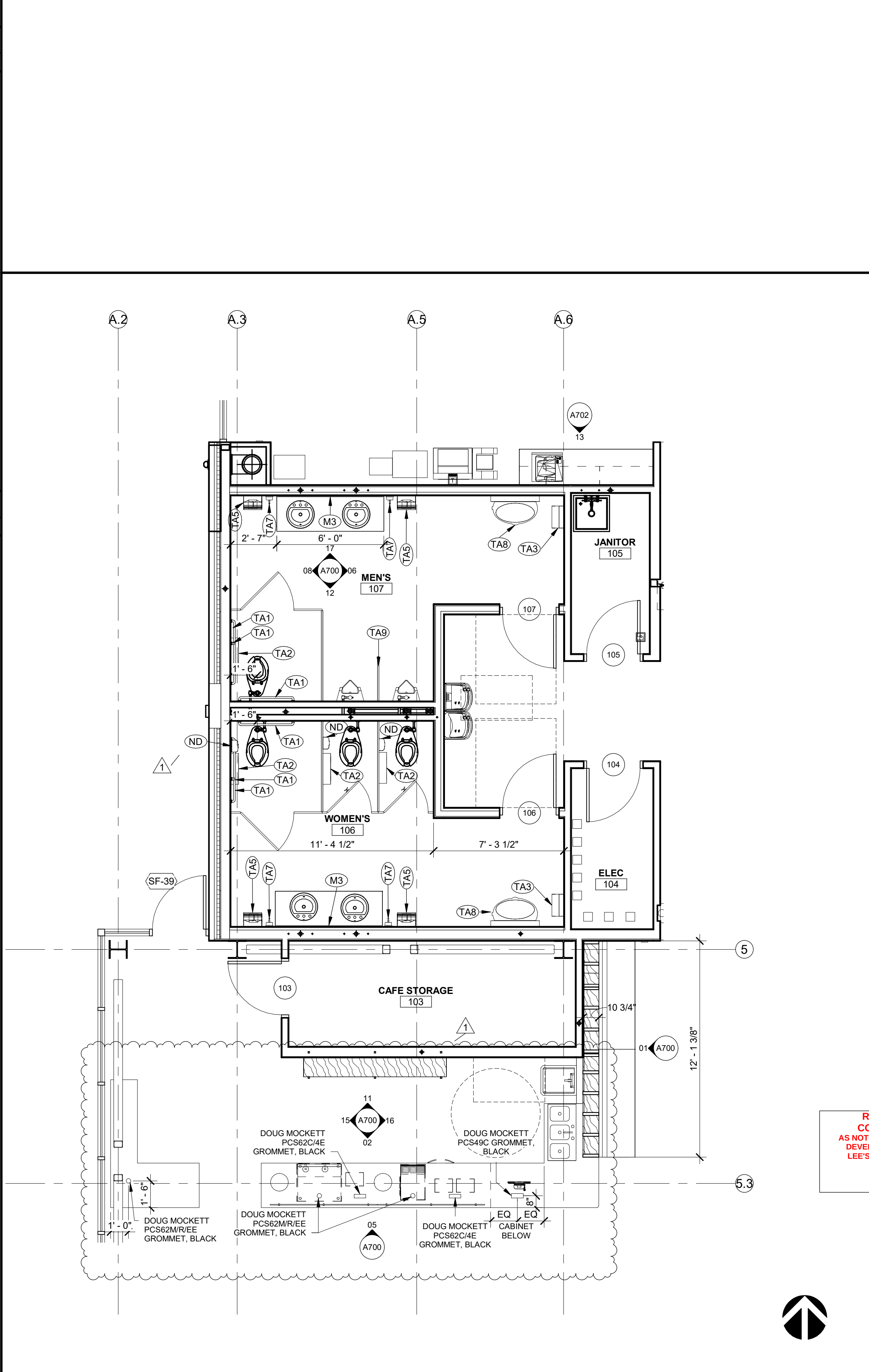


03 ENLARGED PLAN - CIRCULATION DESK
1/4" = 1'-0"



02 ENLARGED PLAN - KITCHENETTE
1/4" = 1'-0"

EQUIPMENT SCHEDULE		
Type Mark	Description	Comments
M1	MIRROR 24"x36" - SEE SPEC	GC PROVIDED, GC INSTALLED
M3	MIRROR 72"x42" - SEE SPEC	GC PROVIDED, GC INSTALLED
ND	FEMININE NAPKIN DISPOSAL	GC PROVIDED, GC INSTALLED
TA1	ADA GRAB BARS - SEE SPEC	GC PROVIDED, GC INSTALLED
TA2	TOILET PAPER DISPENSER - SEE SPEC	OWNER PROVIDED, GC INSTALLED
TA3	PAPER TOWEL DISPENSER - SEE SPEC	OWNER PROVIDED, GC INSTALLED
TA5	ELECTRIC HAND DRYER - SEE SPEC	GC PROVIDED, GC INSTALLED
TA7	SOAP DISPENSER - SEE SPEC	OWNER PROVIDED, GC INSTALLED
TA8	BABY CHANGING TABLE - SEE SPEC	GC PROVIDED, GC INSTALLED
TA9	URINAL SCREEN - SEE SPEC	GC PROVIDED, GC INSTALLED



01 ENLARGED PLAN - CAFE + RESTROOMS
1/4" = 1'-0"

SAPP DESIGN ARCHITECTS

3750 S. Fremont Ave.
Springfield, MO 65804 417.877.9600

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

helix.

1629 Walnut
Kansas City, MO 64108 816.300.0300

Helix Architecture + Design
Missouri State Certificate of Authority #000720

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
LEE'S SUMMIT, MISSOURI 64086
JACKSON COUNTY

Architect of Record

STATE OF MISSOURI
MICHAEL JOHN HEULE
A-5451
REGISTERED ARCHITECT

Michael John Heule, Architect MO A-5451

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/11/2020

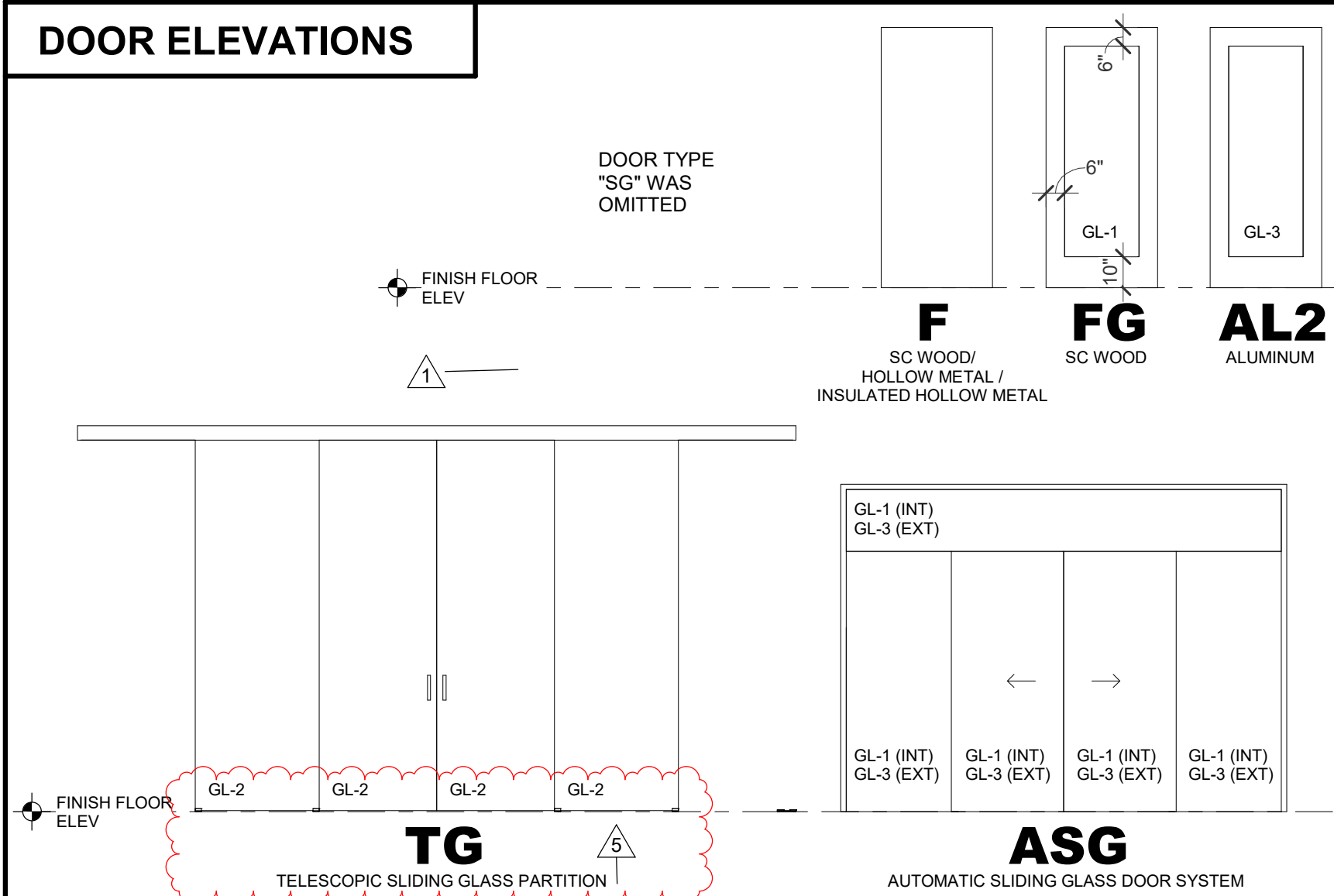
Revision No.	Description	Date
1	ADDENDUM 01	01/13/20
4	ASI 02	03/13/20
5	ASI 03	Date 5

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

Drawing No.

A150
ENLARGED PLANS

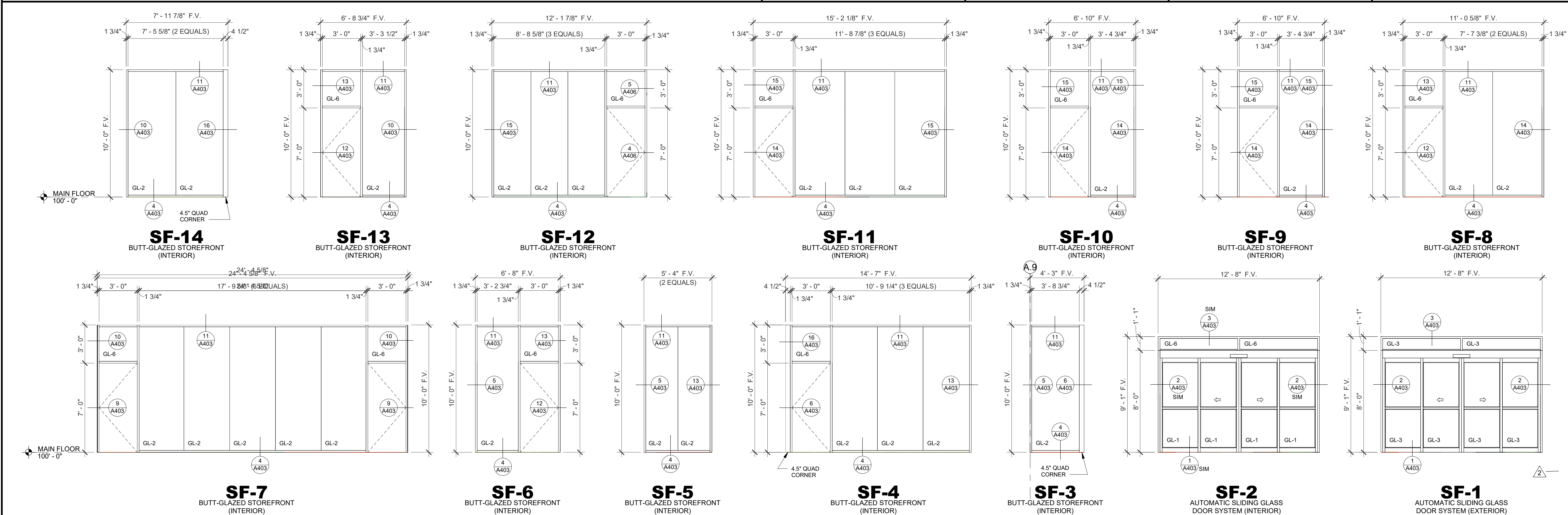
DOOR ELEVATIONS



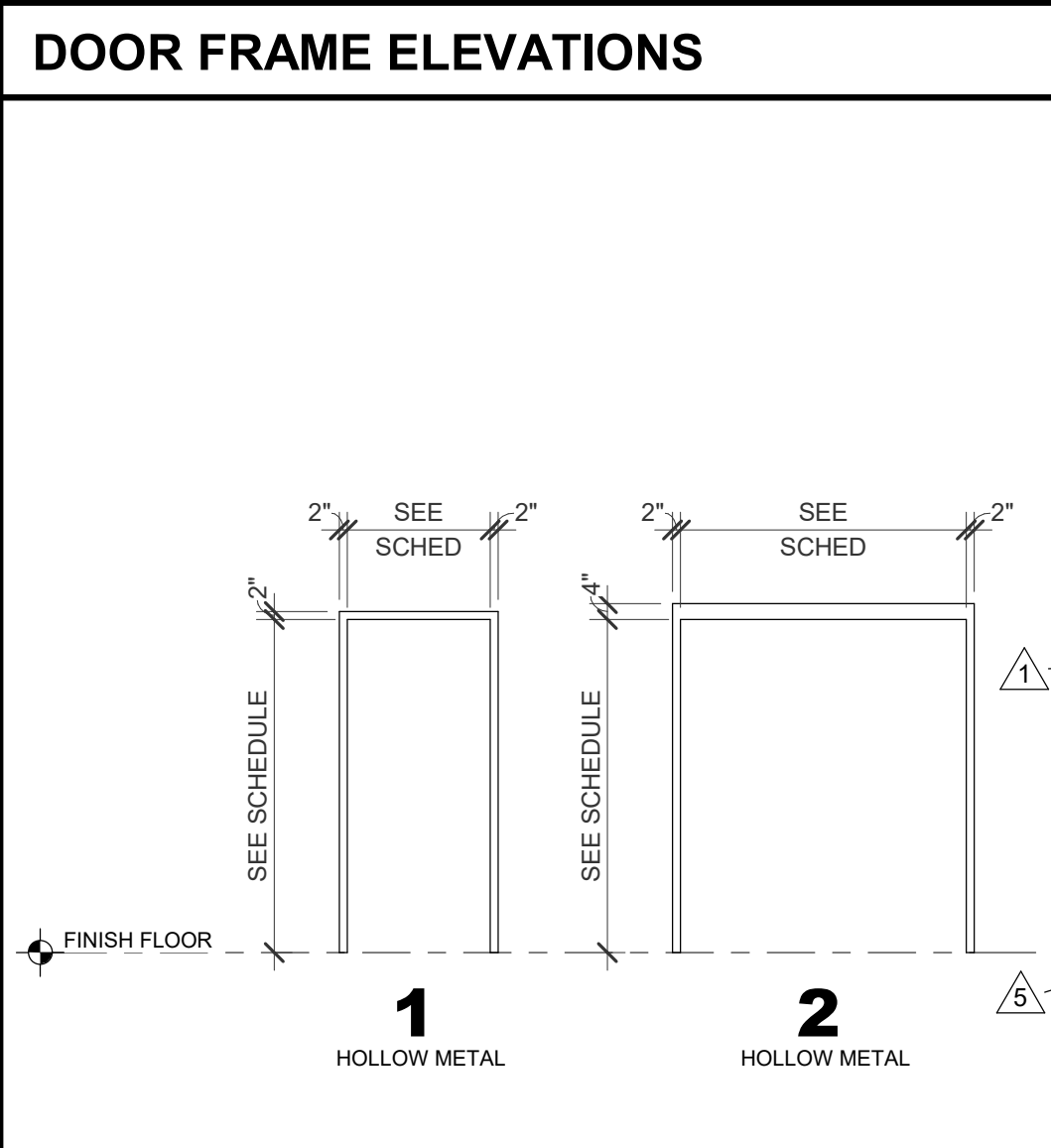
DOOR HARDWARE SETS

- SET 01** COMPLETE BY SLIDING DOOR MANUFACTURER
1 CYLINDER
- SET 02**
3 H.W. HINGES
1 LOCKSET (CLASSROOM FUNCTION)
1 ELECTRIC STRIKE (CONNECT TO CARD READER)
1 WALL STOP
1 CONTINUOUS ACOUSTICAL SEALS
1 AUTOMATIC DOOR BOTTOM
- SET 03**
3 H.W. HINGES
1 EXIT DEVICE (RIM TYPE, CLASSROOM FUNCTION)
1 CLOSER (WITH STOP AND HOLD OPEN)
1 CONTINUOUS ACOUSTICAL SEALS
1 AUTOMATIC DOOR BOTTOM
- SET 04**
3 H.W. HINGES
1 LOCKSET (CLASSROOM FUNCTION)
1 CLOSER (WITH HOLD OPEN)
1 WALL STOP
1 SILENCERS
- SET 05**
3 H.W. HINGES
1 PUSH/PULL
1 CLOSER
1 SILENCERS
1 WALL STOP
1 LOW PROFILE SWEEP
- SET 06**
3 H.W. HINGES
2 EXIT DEVICE (CONCEALED RODS, CLASSROOM FUNCTION)
2 CLOSERS (WITH HOLD OPEN 1 @ 180)
1 WALL STOP
1 CONTINUOUS ACOUSTICAL SEALS
2 AUTOMATIC DOOR BOTTOMS
1 SPLIT ASTRAGAL
- SET 07**
3 H.W. HINGES
1 LOCKSET (PRIVACY FUNCTION)
1 WALL STOP
1 CONTINUOUS ACOUSTICAL SEALS
1 AUTOMATIC DOOR BOTTOM
- SET 08**
3 H.W. HINGES
1 LOCKSET (CLASSROOM FUNCTION)
1 ELECTRIC STRIKE (CONNECT TO CARD READER)
1 THUMB TURN OCCUPANCY INDICATOR
1 CLOSER (WITH STOP)
1 WALL STOP
1 CONTINUOUS ACOUSTICAL SEALS
1 AUTOMATIC DOOR BOTTOM
- SET 09**
3 H.W. HINGES
1 LATCHSET (PASSAGE)
1 SILENCERS
1 WALL STOP
- SET 10**
3 H.W. HINGES
1 LOCKSET (OFFICE FUNCTION)
1 WALL STOP
1 CONTINUOUS ACOUSTICAL SEALS
1 AUTOMATIC DOOR BOTTOM
- SET 11**
2 PIVOTS (BY ALUM DOOR/FRAME MFR)
1 EXIT DEVICE (KEYED DOGGING)
1 CLOSER
1 CONTINUOUS WEATHERSTRIPPING (BY ALUM DOOR/FRAME MFR)
1 EXTERIOR BOTTOM SWEEP (BY ALUM DOOR/FRAME MFR)
1 THRESHOLD (BY ALUM DOOR/FRAME MFR)
- SET 12**
2 PIVOTS (BY ALUM DOOR/FRAME MFR)
1 EXIT DEVICE (RIM TYPE, CLASSROOM FUNCTION)
1 CLOSER
1 CONTINUOUS WEATHERSTRIPPING (BY ALUM DOOR/FRAME MFR)
1 EXTERIOR BOTTOM SWEEP (BY ALUM DOOR/FRAME MFR)
1 THRESHOLD (BY ALUM DOOR/FRAME MFR)
- SET 13**
2 PIVOTS (BY ALUM DOOR/FRAME MFR)
1 EXIT DEVICE (DELAYED OPEN WITH ALARM)
1 CLOSER
1 CONTINUOUS WEATHERSTRIPPING (BY ALUM DOOR/FRAME MFR)
1 EXTERIOR BOTTOM SWEEP (BY ALUM DOOR/FRAME MFR)
1 WEATHERSTRIPPING
1 THRESHOLD (BY ALUM DOOR/FRAME MFR)
- SET 14**
2 PIVOTS (BY ALUM DOOR/FRAME MFR)
1 EXIT DEVICE (KEYED DOGGING)
1 CLOSER
1 CONTINUOUS WEATHERSTRIPPING (BY ALUM DOOR/FRAME MFR)
1 EXTERIOR BOTTOM SWEEP (BY ALUM DOOR/FRAME MFR)
1 WEATHERSTRIPPING
1 THRESHOLD (BY ALUM DOOR/FRAME MFR)
- SET 15**
6 H.W. HINGES
2 EXIT DEVICE (VERTICAL RODS)
2 CLOSERS (WITH STOP AND HOLD OPEN)
2 SILENCERS
- SET 16**
6 H.W. HINGES
1 LOCKSET (CLASSROOM FUNCTION)
1 CLOSER (WITH HOLD OPEN AND STOP)
1 DUMMY TRIM
1 TOP FLUSH BOLT
1 OVERHEAD STOP
2 SILENCERS
- SET 17**
3 H.W. HINGES
1 EXIT DEVICE (RIM TYPE)
1 ELECTRIC STRIKE (CONNECTED TO CARD READER)
1 CLOSER (WITH STOP AND HOLD OPEN)
1 EXTERIOR BOTTOM SWEEP
1 CONTINUOUS WEATHERSTRIPPING
1 CONTINUOUS TOP WEATHERSTRIP
1 THRESHOLD

STOREFRONT ELEVATIONS



DOOR FRAME ELEVATIONS



DOOR SCHEDULE

DOOR									FRAME					HDWR SET	COMMENTS
DOOR NO.	CONFIG	WIDTH	HEIGHT	THICK	ELEV	MATL	ELEV	MATL	DETAIL						
									HEAD	LEFT JAMB	RIGHT JAMB	SILL			
101A	SLIDER	12' - 8"	8' - 0"	1/4"	ASG	AL/F3	SF-1	AL/F3	3/A403	2/A403	2/A403	1/A403	01	AUTO SLIDING GLASS DOOR - EXTERIOR	
101B	SLIDER	12' - 8"	8' - 0"	1/4"	ASG	AL/F3	SF-2	AL/F3	3/A403	2/A403	2/A403	1/A403	BY MFR	AUTO SLIDING GLASS DOOR - INTERIOR	
102A	SINGLE	3' - 0"	7' - 0"	1 3/4"	AL2	AL/F3	SF-31	AL/F3	11/A405	10/A405	11/A405	9/A405	14		
102B	SINGLE	3' - 0"	8' - 0"	1 3/4"	AL2	AL/F3	SF-39	AL/F3	11/A405	12/A405	11/A405	9/A405	12		
103	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
104	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
105	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
106	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	05		
107	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	05		
108		9' - 6"	9' - 6"			AL		AL	2/A651	7/A406	6/A406	NA	01	ROLLING SECURITY GRILLE	
109A	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-4	AL/F3	13/A405	6/A403	13/A405	NA	10		
109B	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	10	MIN 41 STC FOR DOOR ASSEMBLY	
110	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	10		
111	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
112	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	10		
113	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-6	AL/F3	13/A405	13/A405	12/A405	NA	02		
114	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
115	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	07		
116	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	07		
117	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	IHM/F1	2	HMF1	14/A405	15/A405	15/A405	9/A405	17		
118	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
119	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	09		
121A	SINGLE	3' - 0"	8' - 0"	1 3/4"	AL2	AL/F3	SF-24	AL/F3	11/A405	8/A405	11/A405	9/A405	14		
121B	SINGLE	3' - 0"	8' - 0"	1 3/4"	AL2	AL/F3	SF-26	AL/F3	11/A405	11/A405	11/A405	9/A405	13		
122A	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-7	AL/F3	13/A405	13/A405	9/A403	NA	03		
122B	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-7	AL/F3	13/A405	9/A403	13/A405	NA	03		
123	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
124	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	07		
125	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	07		
126	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	08		
127	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-8	AL/F3	11/A405	13/A403	14/A403	4/A403	02		
128	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-9	AL/F3	11/A405	15/A403	14/A403	4/A403	02		
129	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-10	AL/F3	11/A405	15/A403	14/A403	4/A403	02		
130	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-11	AL/F3	13/A405	14/A403	15/A403	NA	02		
131	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-12	AL/F3	13/A405	15/A403	14/A403	NA	02		
132A	PAIR	6' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-16	AL/F3	13/A405	1/A404	13/A405	NA	06		
132B	PAIR	6' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-15	AL/F3	13/A405	13/A405	1/A404	NA	06		
132C	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-13	AL/F3	13/A405	12/A403	13/A405	NA	03		
132D	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-18	AL/F3	13/A405	13/A405	12/A403	NA	03		
133	PAIR	6' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	16		
134	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
135A	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
135B	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
135C	SINGLE	3' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	04		
136	PAIR	6' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	16		
137A	PAIR	12' - 4"	10' - 0"	1/2"	TG	AL/F3	TG	AL/F3	04/A651	NA	NA	NA	01	TELESCOPIC SLIDING GLASS PARTITION	
137B	SINGLE	3' - 0"	8' - 0"	1 3/4"	AL2	AL/F3	SF-29	AL/F3	11/A405	11/A405	11/A405	9/A405	03		
137C	SINGLE	3' - 0"	7' - 0"	1 3/4"	FG	WD/F2	SF-19	AL/F3	13/A405	13/A405	12/A403	NA	11		
142	PAIR	6' - 0"	7' - 0"	1 3/4"	F	WD/F2	1	HMF1	4/A405	5/A405	5/A405	NA	15	EXIT DEVICES ON ELECTRICAL ROOM SIDE	

GENERAL NOTES	REQUIRED DOOR CLEARANCES	DOOR AND FRAME FINISH LEGEND	GLAZING SCHEDULE
ALL GLAZING FOR EXTERIOR FRAMES & DOORS SHALL BE INSULATED.	PULL SIDE 18" MIN 12" MIN PUSH SIDE	AL = ALUM DOOR OR FRAME FRP = FIBERGLASS REINFORCED POLYESTER HM = HOLLOW METAL DOOR OR FRAME IHD = INSUL HOLLOW MTL DOOR OR FRAME WD = SOLID CORE WOOD DOOR OR FRAME F1 = PAINTED F2 = STAINED F3 = PREFINISHED - CLEAN & PROTECT	GL-1 = 1/4" SAFETY GLASS (CLEAR) GL-2 = 1/2" SAFETY GLASS (CLEAR) GL-3 = 1" INSULATED SAFETY GLASS (TINTED) GL-4 = 1" INSULATED GLASS (TINTED) GL-5 = 1" INSULATED SAFETY GLASS (SPANDREL) GL-6 = 1/4" CLEAR FLOAT GLASS

SAPP DESIGN ARCHITECTS
3750 S. Fremont Ave.
Springfield, MO 65804 417.877.9600

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

helix.

1629 Walnut
Kansas City, MO 64108 816.300.0300

Helix Architecture + Design
Missouri State Certificate of Authority #000720

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 authorize this seal and the specification sections pertaining to this sheet. Responsibility shall be declared 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
LEE'S SUMMIT, MISSOURI 64086
JACKSON COUNTY

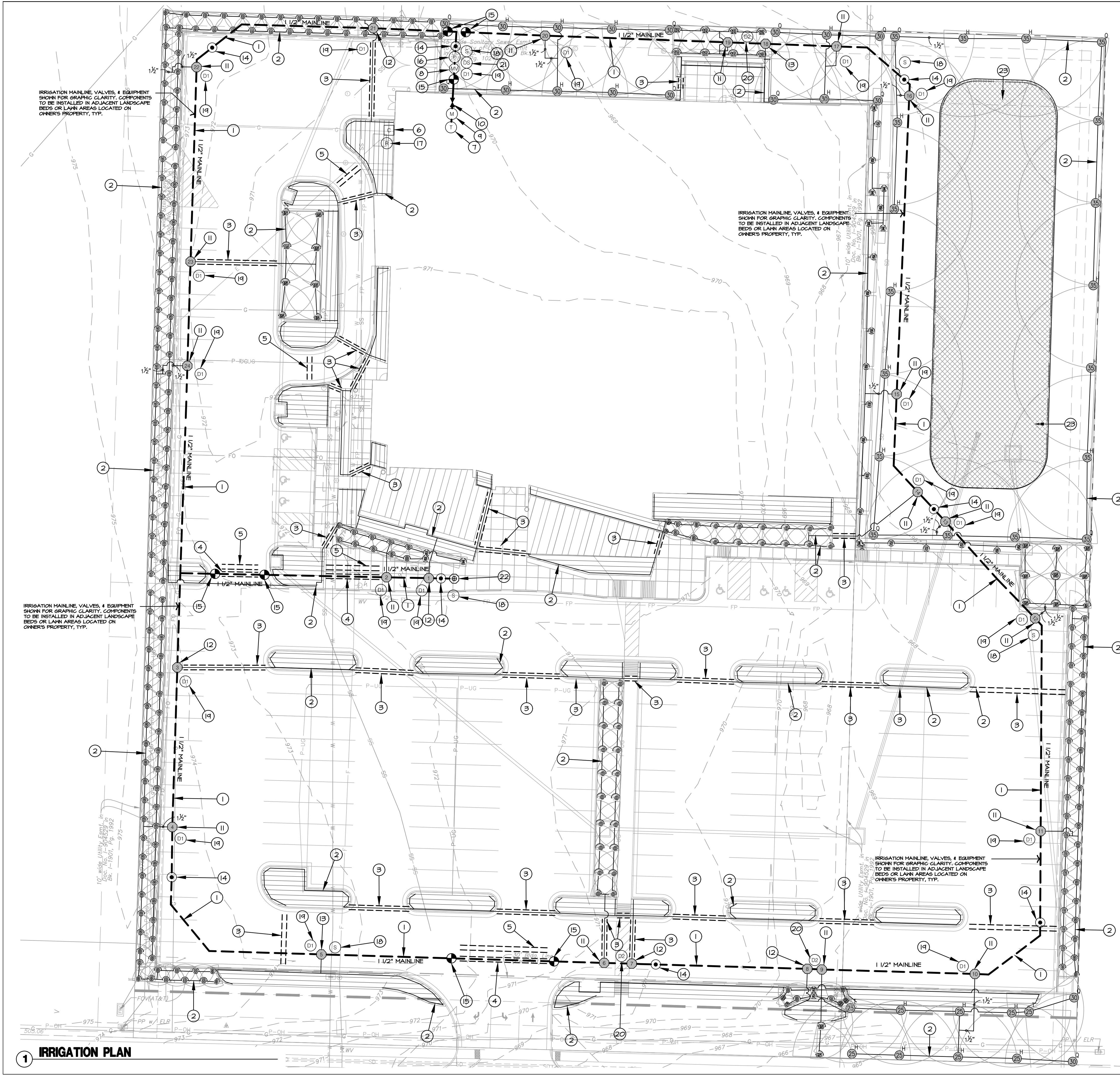
Architect of Record
MICHAEL JAMES SAPP
NUMBER A-5051
3-26-2020
Michael James Sapp, Architect MO A-5051

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2020

Revision No.	Description	Date
1	ADDENDUM 01	01/13/20
2	ADDENDUM 02	01/20/20
5	ASI 03	Date 5

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

Drawing No. **A400**
DOOR SCHEDULE & ELEVATIONS
© Copyright 2019 - Sapp Design Associates, Architects, P.C.



IRRIGATION LEGEND:

- LIMITS OF CONSTRUCTION
- - - RIGHT OF WAY / PROPERTY LINE
- FULL CIRCLE SPRAY HEAD; REF: 2/L690
- ◐ HALF CIRCLE SPRAY HEAD; REF: 2/L690
- ◑ ONE THIRD CIRCLE SPRAY HEAD; REF: 2/L690
- ▬ QUARTER CIRCLE SPRAY HEAD; REF: 2/L690
- ▬ SIDE STRIP SPRAY HEAD; REF: 2/L690
- ▬ END STRIP SPRAY HEAD; REF: 2/L690
- ⊙ ROTOR HEAD; REF: 1/L690
- POTABLE WATER SERVICE LINE
- MAINLINE, SIZE AS SHOWN; REF: 5/L691
- LATERAL PIPE, SIZE AS SHOWN; REF: 5/L691
- LANDSCAPE DRIPLINE; REF: 3, 4, 5, 6, 7 & 9/L690
- SCHEDULE 40 PVC SLEEVE
- ⊙ IRRIGATION WATER METER
- ⊙ BACKFLOW PREVENTER
- ⊙ IRRIGATION POINT OF CONNECTION
- ⊙ MASTER CONTROL VALVE
- ⊙ ZONE CONTROL VALVE
- ⊙ MANUAL GATE VALVE
- ⊙ QUICK COUPLER VALVE
- ⊙ FLOW SENSOR
- ⊙ AUTOMATIC CONTROLLER
- ⊙ RAIN/FREEZE SENSOR
- ⊙ SURGE PROTECTOR
- ⊙ DECODER -1 SOLENOID
- ⊙ DECODER -2 SOLENOID
- ⊙ DECODER -SENSOR
- ⊙ MAINLINE / CONTROL WIRE TERMINUS
- ⊙ TEMPORARY IRRIGATION SYSTEM

IRRIGATION PLAN NOTES:

- POTABLE WATER IRRIGATION MAINLINES TO BE 1-1/2" PVC PIPE OR AS SHOWN ON PLANS; REF: 5/L691.
- POTABLE WATER IRRIGATION LATERALS TO BE 1" PVC PIPE OR AS SHOWN ON PLANS; REF: 5/L691.
- POTABLE WATER IRRIGATION SLEEVES SHALL BE 4" PVC SCHEDULE 40 PIPE OR AS SHOWN ON PLANS.
- POTABLE WATER IRRIGATION SLEEVES SHALL BE 6" PVC SCHEDULE 40 PIPE OR AS SHOWN ON PLANS.
- IRRIGATION CONTROL WIRE SLEEVE SHALL BE 4" PVC SCHEDULE 40 PIPE. SLEEVE SHALL EXTEND FROM MAINLINE LOCATION TO CONTROLLER LOCATION.
- IRRIGATION CONTROLLER SHALL BE RAIN BIRD ESP-LXD CONTROLLER. FINAL CONTROLLER LOCATION SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ELECTRICAL SERVICE AND DATA CONNECTION TO THE CONTROLLER LOCATION IS TO BE COORDINATED BY THE GENERAL CONTRACTOR AND PROVIDED BY ELECTRICAL CONTRACTOR. POWER AND DATA HOOK-UP TO THE CONTROLLER BY IRRIGATION CONTRACTOR. INSTALL CONTROLLER PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS; REF: 8/L691.
- IRRIGATION POINT OF CONNECTION. IRRIGATION CONTRACTOR SHALL CONNECT IRRIGATION MAINLINE TO WATER SUPPLY AS REQUIRED BY ALL CITY, COUNTY OR STATE REGULATIONS. IRRIGATION TAP SHALL OCCUR AFTER METER, BACKFLOW PREVENTER, AND IRRIGATION BOOSTER PUMP; REF: 6/L691 AND MEP PLANS.
- 1-1/2" RAIN BIRD BPE MODEL MASTER VALVE CONNECTED TO POTABLE IRRIGATION MAINLINE AFTER IRRIGATION POINT OF CONNECTION, METER AND BACKFLOW PREVENTER; REF: 10/L690.
- IRRIGATION WATER METER; REF: MEP PLANS
- BACKFLOW PREVENTER; REF: MEP PLANS
- RAIN BIRD PEB MODEL CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES. REFERENCE IRRIGATION SCHEDULE FOR SIZE, FLOW AND PRESSURE REQUIREMENTS; REF: 8/L690.
- RAIN BIRD XCZ-100-PRB-COM DRIP CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES; REF: 9/L690.
- RAIN BIRD XCZ-1F-100-PRF DRIP CONTROL VALVE TO BE USED ON ALL POTABLE WATER IRRIGATION MAINLINES; REF: 9/L690.
- QUICK COUPLER VALVE LOCATED ON POTABLE WATER SHALL BE RAIN BIRD 44RC WITH YELLOW CAP LOCATED IN 10" ROUND VALVE BOX; REF: 2/L691.
- INSTALL MANUAL GATE VALVE IN LOCATIONS INDICATED ON IRRIGATION MAINLINES. MANUAL GATE VALVE TO MATCH SIZE OF MAINLINE PIPE; REF: 4/L691.
- RAIN BIRD SERIES FLOW SENSOR, PER SPECIFICATIONS; REF: 12/L690 & 1/L691.
- RAIN BIRD RAIN/FREEZE SENSOR. INSTALL ON BUILDING, PER SPECIFICATIONS. FINAL LOCATION TO BE APPROVED BY LANDSCAPE ARCHITECT; REF: 6/L691.
- SURGE PROTECTOR. RAIN BIRD LSP-TURF LINE SURGE PROTECTION, PER SPECIFICATIONS; REF: 11/L690.
- DECODER-1 SOLENOID. RAIN BIRD FD-101TURF FIELD DECODER, PER SPECIFICATIONS; REF: 8, 9 & 10/L690.
- DECODER-2 SOLENOID. RAIN BIRD FD-202TURF FIELD DECODER, PER SPECIFICATIONS; REF: 8, 9 & 10/L690.
- DECODER - SENSOR. RAIN BIRD SD-210TURF SENSOR DECODER, PER SPECIFICATION; REF: 12/L690 & 1/L691.
- IRRIGATION SYSTEM 2-WIRE COMMUNICATION TERMINUS. IRRIGATION CONTRACTOR SHALL TERMINATE MAINLINE AND CONTROL WIRE IN VALVE BOX. MAINLINE SHALL TERMINATE WITH MANUAL DRAIN VALVE. CONTROL WIRE SHALL TERMINATE WITH FIVE FEET OF CONTROL WIRE COILED IN VALVE BOX.
- CONTRACTOR SHALL INSTALL TEMPORARY ABOVE GRADE IRRIGATION SYSTEM PROVIDING FULL COVERAGE OF SEEDBED AREA FOR ESTABLISHMENT. CONTRACTOR SHALL REMOVE TEMPORARY IRRIGATION SYSTEM AFTER ONE FULL GROWING SEASON.

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2020

**SAPP
DESIGN
ARCHITECTS**
3750 S. Fremont Ave.
Springfield, MO 65804 417.877.9600

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

helix.

1629 Walnut
Kansas City, MO 64108 816.300.0300

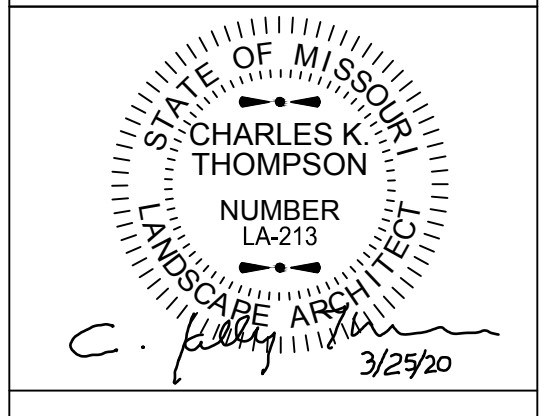
SPECIAL NOTICES

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 wherever & whenever 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
RENOVATIONS TO
COLBURN ROAD BRANCH
1000 NE Colburn Road
Lee's Summit, Missouri 64086
Jackson County

100% CD SET
PACKAGE
10

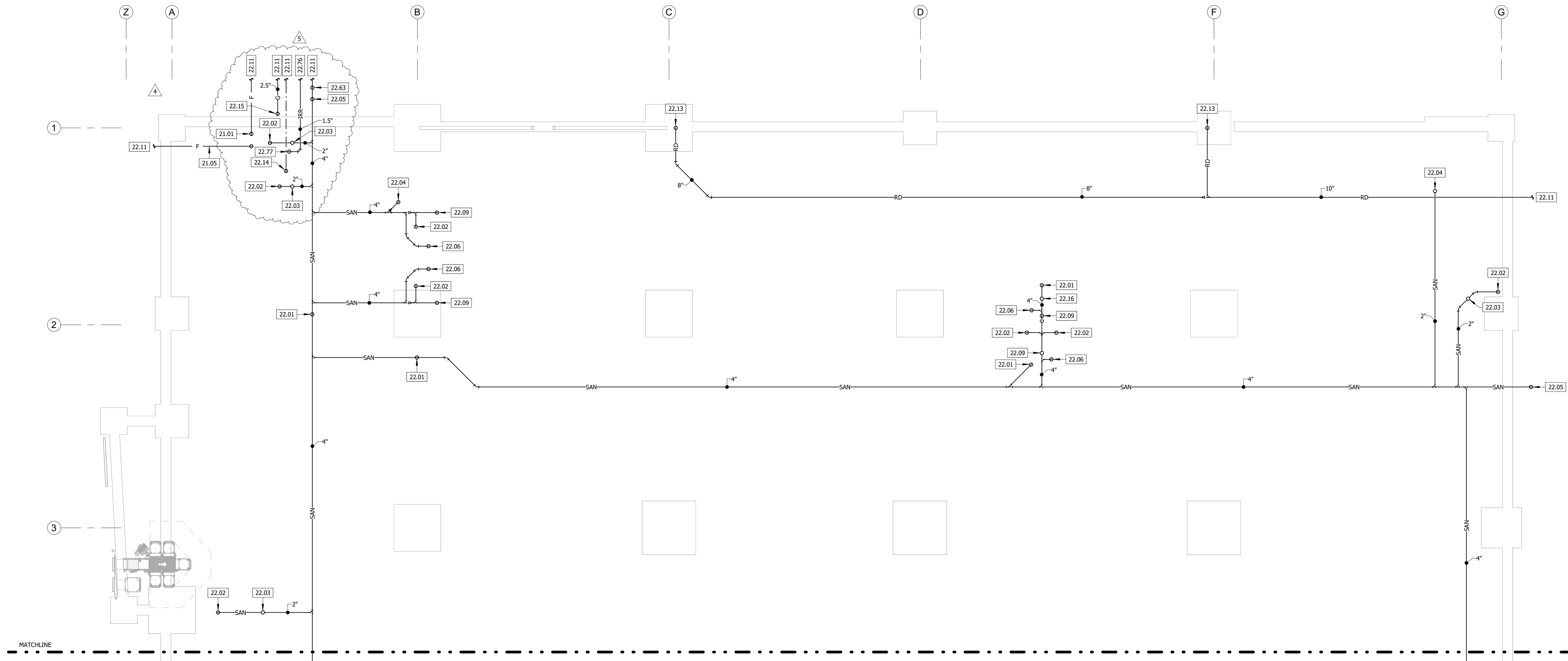


ochsner hare + hare
the **olsson studio**

Ochsner Hare & Hare
Missouri State Certificate of Authority #2005000285
Revision No. Description Date

Project No. 016-1023 Date 12/23/19 Drawn TG

Drawing No. **L601**
IRRIGATION PLAN



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

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2020

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.
22.76	REFER TO LANDSCAPE PLAN FOR CONTINUATION.
22.77	1.5" IRRIGATION SERVICE UP BY LANDSCAPE SPRINKLER CONTRACTOR.

SAPP DESIGN ARCHITECTS

3750 S. Fremont Ave.
Springfield, MO 65804

417.877.9600

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

helix.

1629 Walnut
Kansas City, MO 64108

816.300.0300

Company Name
Missouri State Certificate of Authority #

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 RD
LEE'S SUMMIT, MO 64086
JACKSON COUNTY

Engineer of Record

STATE OF MISSOURI

JACOB A. NELSON

ADAM NELSON

NUMBER

PE-2009018758

12/23/2019

JACOB A. NELSON, PE MO PE-2009018758

TRUE ENGINEERING

MECHANICAL • ELECTRICAL • PLUMBING

3659 SOUTH AVENUE
SPRINGFIELD, MO 65807
417.708.7025
WWW.TRUE-MEP.COM

True Engineering Group LLC
Missouri State Certificate of Authority #E-2016000752

Revision No.	Description	Date
4	SI #02	03-13-2020
5	SI #03	03-26-2020

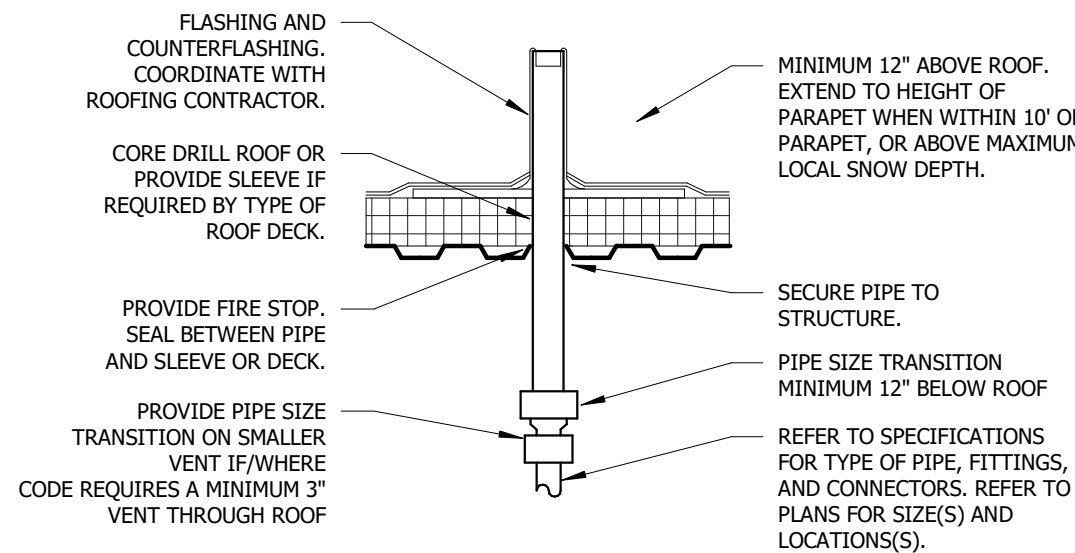
Project No. WP10	Date 12/23/2019	Drawn AH
---------------------	--------------------	-------------

Drawing No.

P101

UNDERGROUND PLUMBING
PLAN - AREA B

© Copyright 2019 - Sapp Design Associates, Architects, P.C.

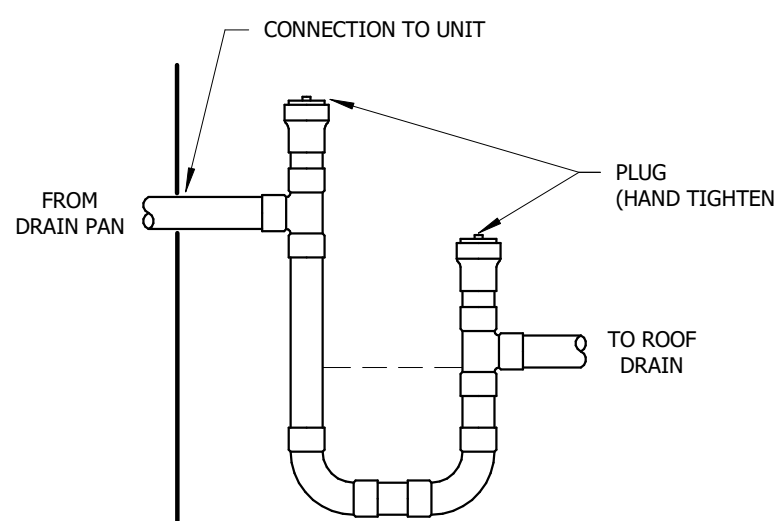


NOTES:

1. MAINTAIN 10 FOOT CLEARANCE FORM OUTSIDE AIR INTAKES.
2. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF PENETRATION AND/OR FLASHING REQUIREMENTS.
3. COORDINATE LOCATION OF VENT THROUGH ROOF LOCATION WITH ARCHITECT.

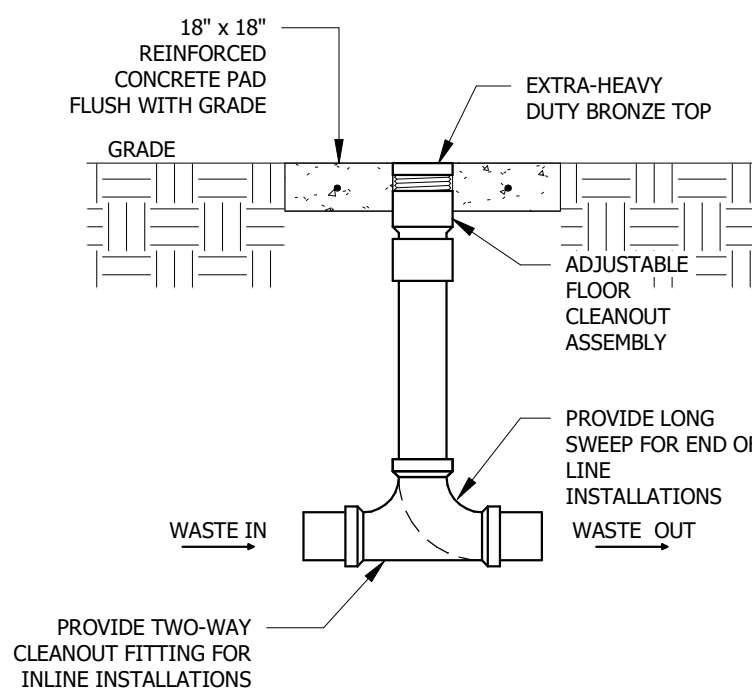
8 VENT THROUGH ROOF

NOT TO SCALE



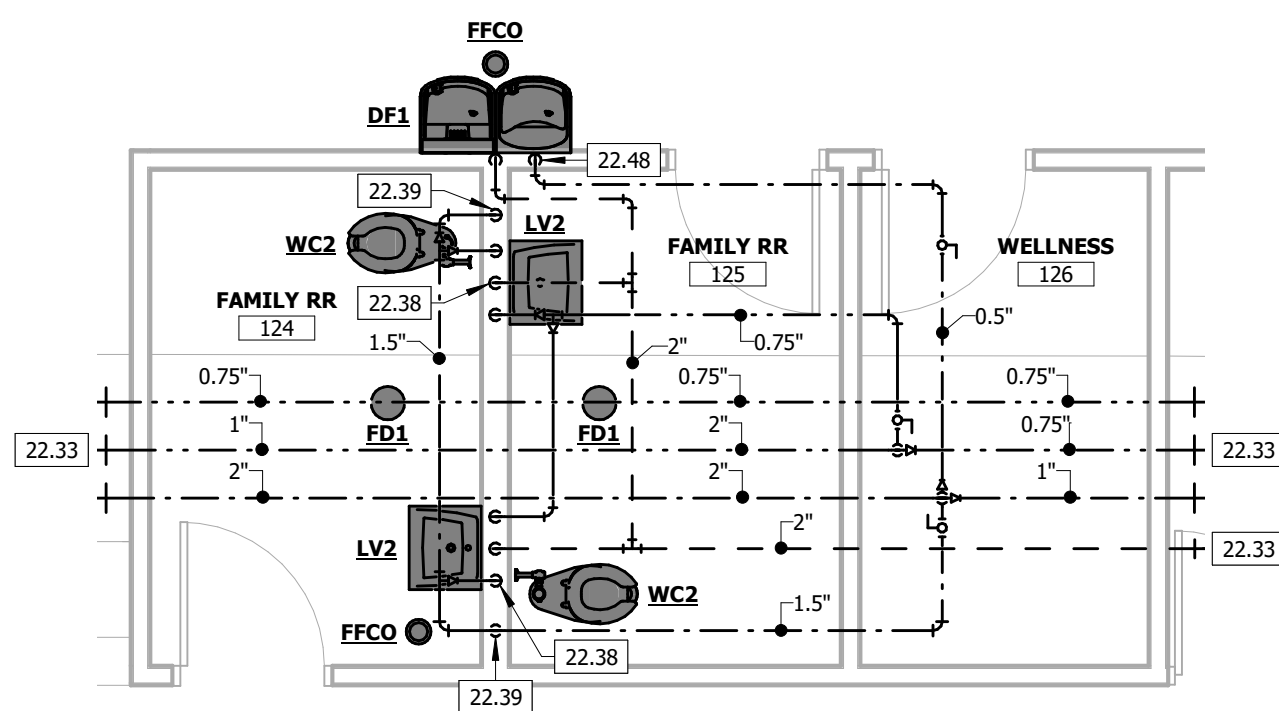
7 CONDENSATE DRAIN CONNECTION

NOT TO SCALE



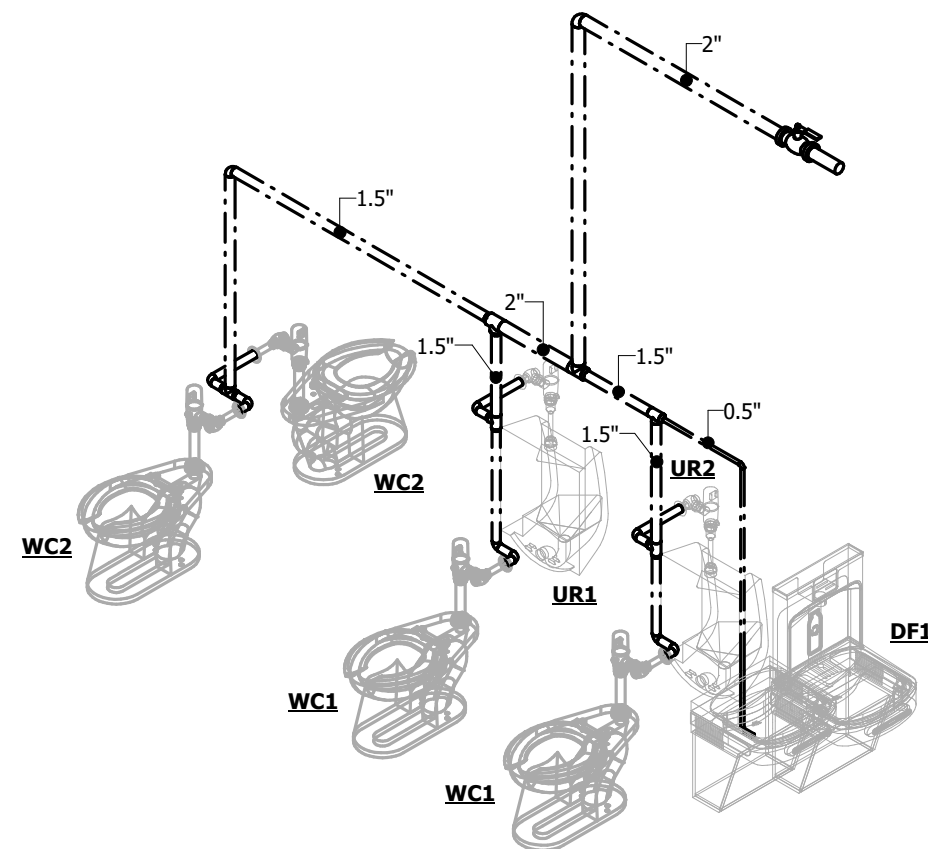
6 FINISH GRADE CLEANOUT

NOT TO SCALE



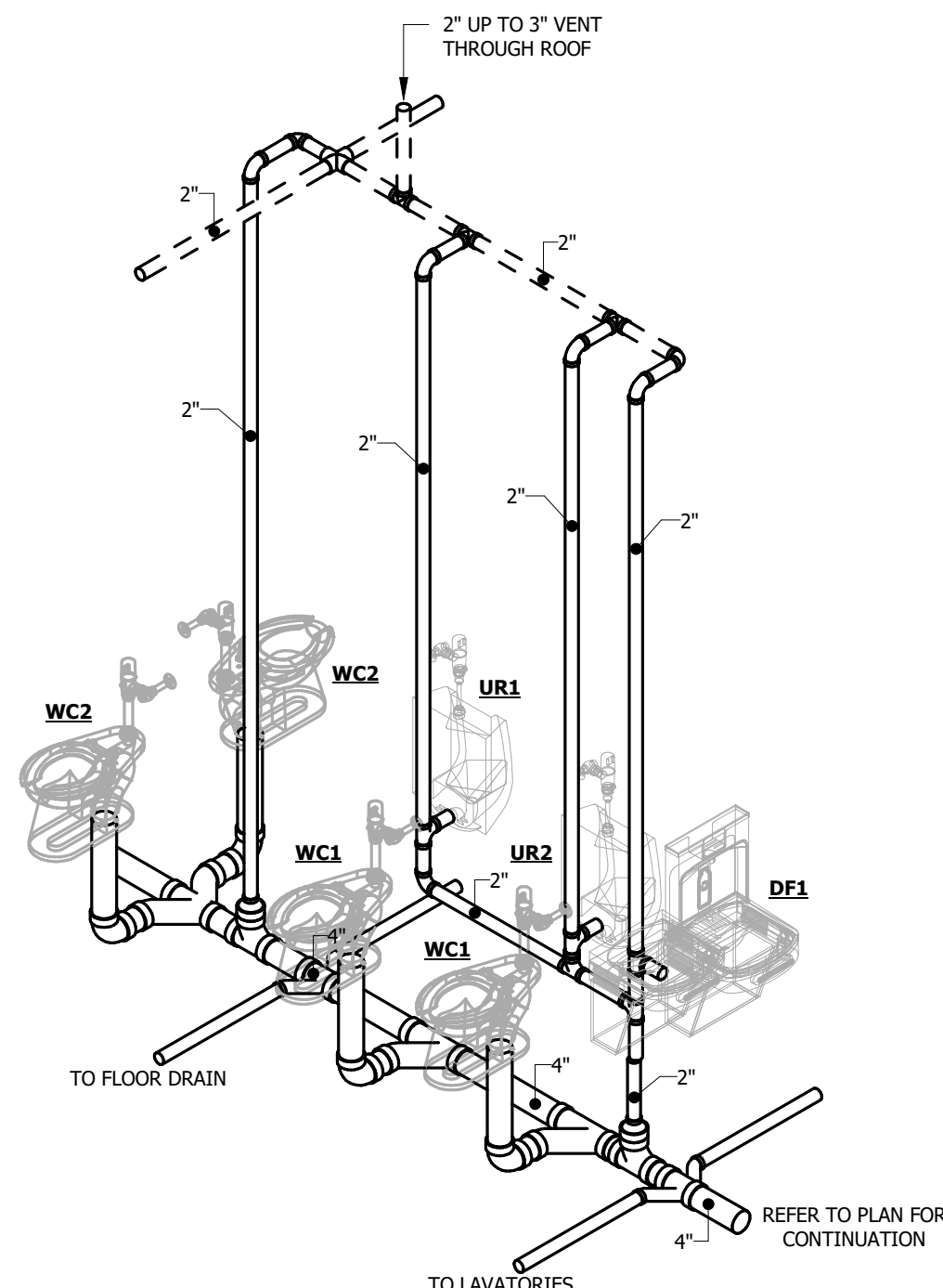
5 ENLARGED PLUMBING PLAN - FAMILY RESTROOM

1/4" = 1'-0"



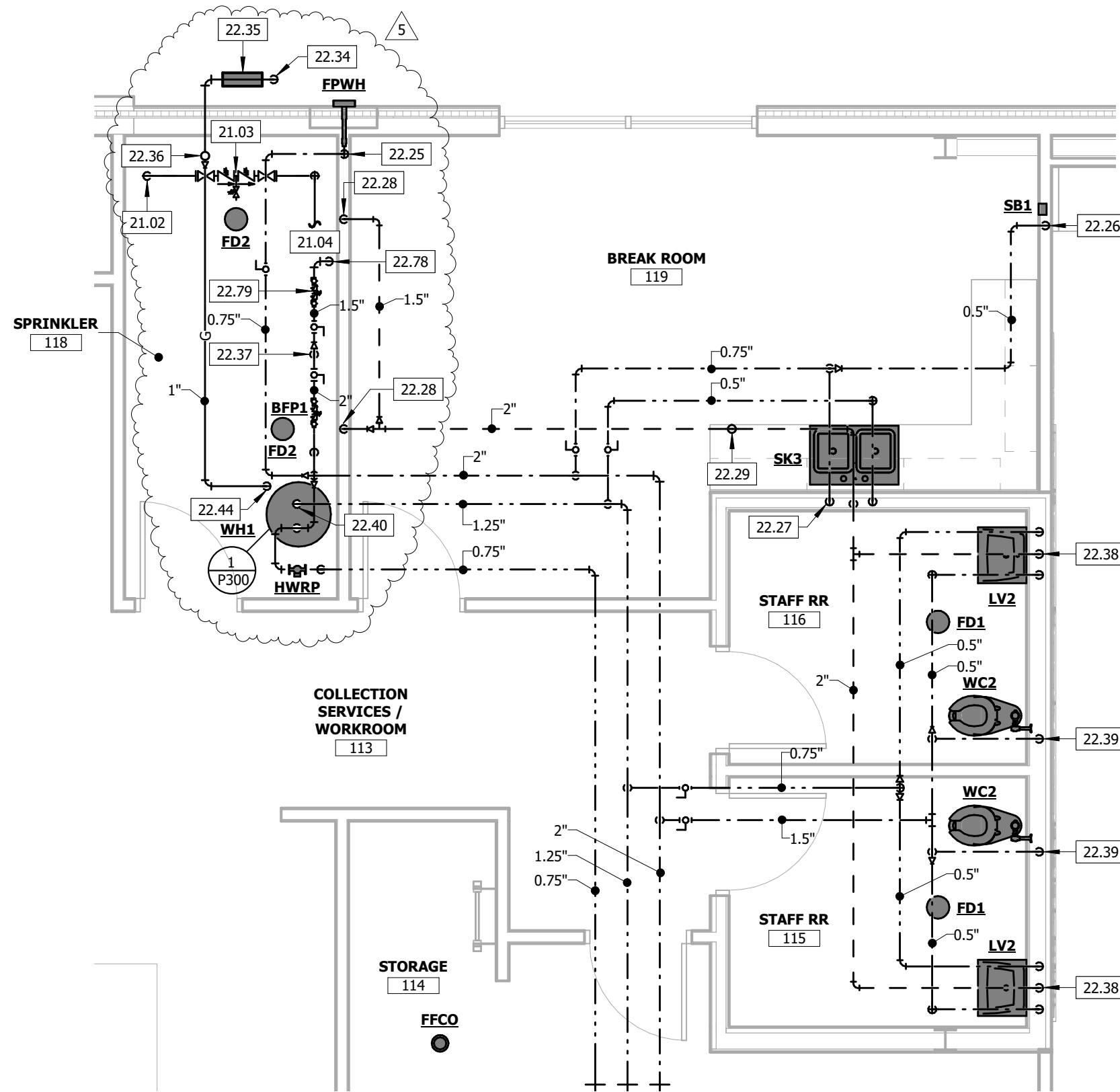
4 DOMESTIC WATER ISOMETRIC

NOT TO SCALE



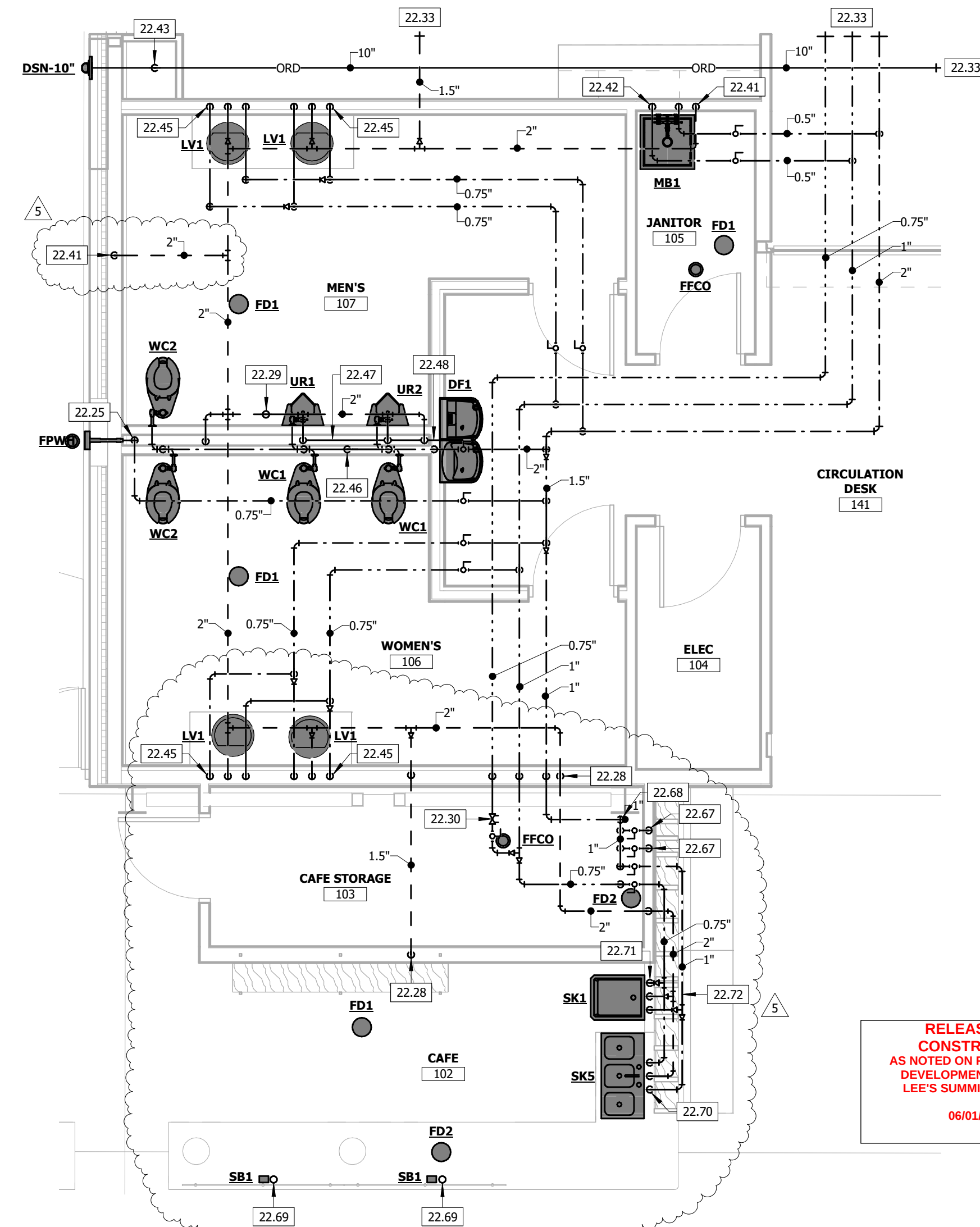
2 WASTE AND VENT ISOMETRIC

NOT TO SCALE



3 ENLARGED PLUMBING PLAN - STAFF AREA

1/4" = 1'-0"



1 ENLARGED PLUMBING PLAN - RESTROOM AND CAFE

1/4" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
21.02	FIRE SPRINKLER SERVICE DOWN. SIZE AND DESIGN BY FIRE SPRINKLER ENGINEER.
21.03	FIRE SPRINKLER MANIFOLD WITH PREACTION (DOUBLE INTERLOCKED) DELUGE VALVE AND ASSOCIATED TRIM. SIZE AND DESIGN BY FIRE SPRINKLER ENGINEER.
21.04	ROUTE FIRE SPRINKLER SYSTEM THROUGHOUT BUILDING. SIZE AND DESIGN BY FIRE SPRINKLER ENGINEER.
22.25	0.75" COLD WATER DOWN TO FREEZE PROOF WALL HYDRANT.
22.26	0.5" COLD WATER DOWN TO SUPPLY BOX.
22.27	0.5" COLD AND HOT WATER AND 1.5" VENT DOWN TO SINK.
22.28	1.5" VENT DOWN.
22.29	2" VENT UP TO 3" VENT THROUGH ROOF.
22.30	PROVIDE CIRCUIT SETTER BALANCE VALVE. BALANCE TO 1" GPM.
22.33	REFER TO OVERALL PLAN(S) FOR CONTINUATION.
22.34	NATURAL GAS SERVICE DOWN. COORDINATE WITH UTILITY COMPANY.
22.35	GAS METER BY UTILITY COMPANY. PENETRATE SERVICE INTO BUILDING NO GREATER THAN 48" ABOVE FINISH FLOOR. COORDINATE WITH UTILITY COMPANY.
22.36	2.5" NATURAL GAS UP THROUGH ROOF.
22.37	2" WATER SERVICE DOWN.
22.38	0.5" COLD AND HOT WATER AND 2" VENT DOWN TO LAVATORY.
22.39	1.25" COLD WATER DOWN TO WATER CLOSET.
22.40	1.25" COLD AND HOT WATER DOWN TO WATER HEATER.
22.41	2" VENT DOWN.
22.42	0.5" COLD AND HOT WATER DOWN TO MOP BASIN.
22.43	10" OVERFLOW ROOF DRAIN LEADER DOWN TO DOWNSPOUT NOZZLE.
22.44	1" NATURAL GAS DOWN TO WATER HEATER. PROVIDE DIRT LEG, UNION, AND SHUT-OFF VALVE.
22.45	0.5" COLD AND HOT WATER AND 1.5" VENT DOWN TO LAVATORY.
22.46	2" COLD WATER DOWN IN CHASE. REFER TO DOMESTIC WATER ISOMETRIC.
22.47	WASTE AND VENT IN CHASE. REFER TO WASTE AND VENT ISOMETRIC.
22.48	0.5" COLD WATER AND 2" VENT DOWN TO DRINKING FOUNTAIN.
22.67	0.5" COLD WATER DOWN. CHANGE PIPE MATERIAL AT VALVE MANIFOLD.
22.68	1" COLD WATER DOWN TO VALVE MANIFOLD.
22.69	0.5" COLD WATER TO SUPPLY BOX. FIELD COORDINATE PIPE ROUTING AND SUPPLY BOX LOCATION WITH MILLWORK CONTRACTOR.
22.70	0.75" COLD AND HOT WATER AND 1.5" VENT CONNECTION TO THREE COMPARTMENT SINK. PROVIDE 0.5" HOT WATER CONNECTION AND SUPPLY LINE TO DISHWASHER.
22.71	0.5" COLD AND HOT WATER AND 1.5" VENT CONNECTION TO HAND SINK.
22.72	ROUTE PIPING IN HALF HEIGHT WALL / CHASE. FIELD COORDINATE ROUTING WITH FRAMING AND MILLWORK CONTRACTORS.
22.78	1.5" IRRIGATION SERVICE DOWN BY LANDSCAPE SPRINKLER CONTRACTOR.
22.79	1.5" IRRIGATION SERVICE ASSEMBLY AND BACKFLOW PREVENTER BY LANDSCAPE SPRINKLER CONTRACTOR. COORDINATE LOCATION AND CONNECTION TO WATER SERVICE ENTRANCE WITH PLUMBING CONTRACTOR.

SAPP
DESIGN
ARCHITECTS

3750 S. Fremont Ave.
Springfield, MO 65804 417.877.9600

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

helix.

1629 Walnut
Kansas City, MO 64108 816.300.0300

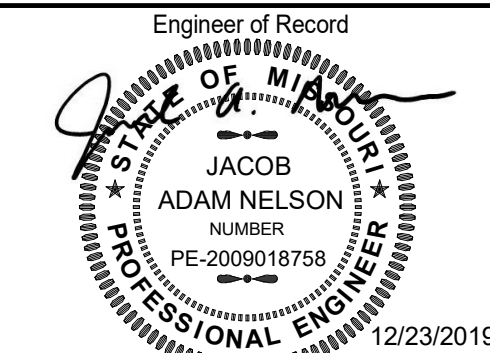
Company Name
Missouri State Certificate of Authority #

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 & whenever used, and the owner of the seal shall authorize its use 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 RD
LEE'S SUMMIT, MO 64086
JACKSON COUNTY



JACOB A NELSON, PE MO PE-2009018758



Revision No.	Description	Date
5	SI #03	03-26-2020

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

Drawing No.
P200
PLUMBING DETAILS

SAPP
DESIGN
ARCHITECTS

3750 S. Fremont Ave.
Springfield, MO 65804

417.877.9600

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

helix.

1629 Walnut
Kansas City, MO 64108

816.300.0300

Company Name
Missouri State Certificate of Authority #

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 & whenever 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 RD
LEE'S SUMMIT, MO 64086
JACKSON COUNTY

Engineer of Record

STATE OF MISSOURI
PROFESSIONAL ENGINEER

JACOB
ADAM NELSON
NUMBER
PE-2009018758
12/23/2019

JACOB A NELSON, PE MO PE-2009018758

TRUE
ENGINEERING

MECHANICAL • ELECTRICAL • PLUMBING

3659 SOUTH AVENUE
SPRINGFIELD, MO 65807
417.708.7925
WWW.TRUE-MEP.COM

True Engineering Group LLC
Missouri State Certificate of Authority #PE-2016000752

Revision No.

Description

Date

5

SI #03

03-26-2020

Project No.
WP10

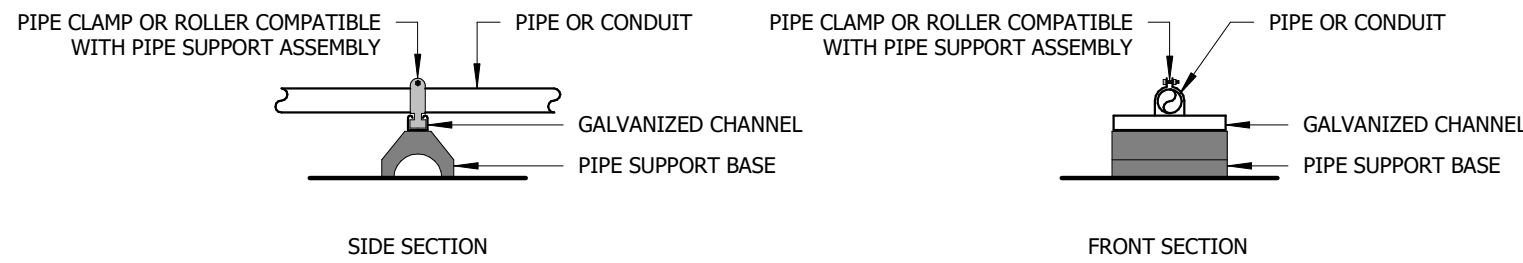
Date
12/23/2019

Drawn
AH

Drawing No.
P300
PLUMBING SCHEDULES

© Copyright 2019 - Sapp Design Associates, Architects, P.C.

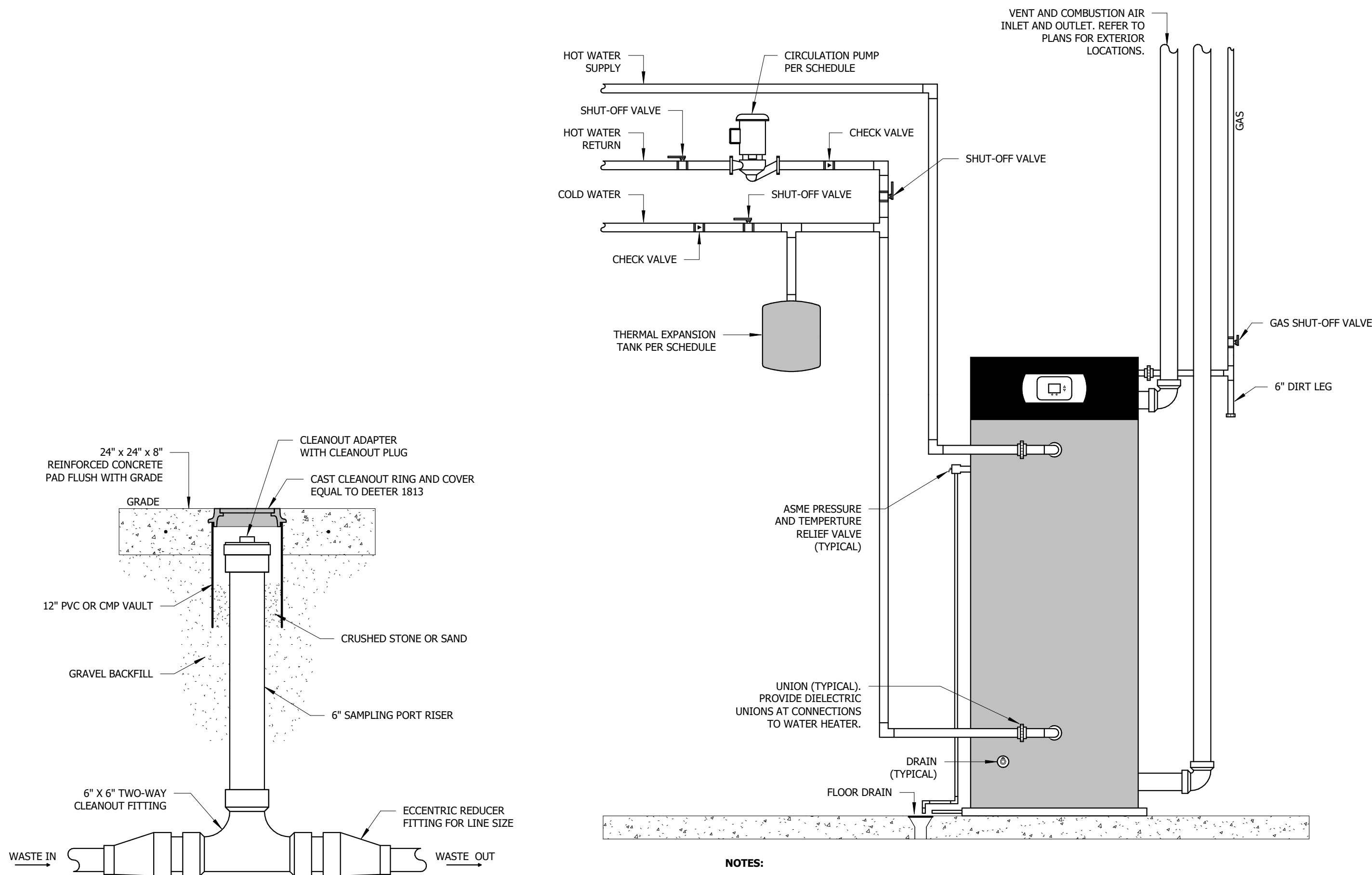
PIPING MATERIAL SCHEDULE														
NOTES:														
1. THE USE OF CELLULAR CORE PVC WASTE AND VENT PIPING IS STRICTLY PROHIBITED.														
2. REFER TO SPECIFICATION SECTION 220719 FOR ADDITIONAL INSULATION REQUIREMENTS.														
3. REFER TO SPECIFICATION SECTIONS 220719, 221113, 221316, AND 231123 FOR ADDITIONAL PIPING REQUIREMENTS.														
4. PER NFPA 13 AND NFPA 24.														
SYSTEM TYPE	SIZE	TYPE	PIPING SCHEDULE	ASTM	MATERIAL	MATERIAL	TYPE	MAXIMUM WORKING PRESSURE (PSI)	TEMP (DEG F)	FIELD TEST PRESSURE (PSI)	TIME (HOURS)	INSULATION		NOTES
Condensate Drain	ALL	DWV	40	2665	PVC	PVC	SOLVENT WELD	10 FT	40-140	10 FT	1	-	-	-
Domestic Cold Water	ALL	L	-	888	COPPER	COPPER	SOLDER JOINT	120	40-180	150	4	ARMAFLEX ELASTOMERIC	1"	2,3
Domestic Hot Water	ALL	L	-	888	COPPER	COPPER	SOLDER JOINT	120	40-180	150	4	ARMAFLEX ELASTOMERIC	1"	2,3
Domestic Recirculating Hot Water	ALL	L	-	888	COPPER	COPPER	SOLDER JOINT	120	40-180	150	4	ARMAFLEX ELASTOMERIC	1"	2,3
Fire Protection Service	ALL	-	-	-	-	-	-	-	-	-	-	-	-	4
Natural Gas	0.5" - 2.5"	ERW	40	A53	CARBON STEEL	CARBON STEEL	THREADED	5	-	150	4	-	-	3
Sanitary	ALL	DWV	40	2665	PVC	PVC	SOLVENT WELD	10 FT	40-140	10 FT	4	-	-	1,3
Storm Drain	ALL	DWV	40	2665	PVC	PVC	SOLVENT WELD	10 FT	40-140	10 FT	4	ARMAFLEX ELASTOMERIC	1"	1,2,3
Vent	ALL	DWV	40	2665	PVC	PVC	SOLVENT WELD	10 FT	40-140	10 FT	4	-	-	1,3



- NOTES:**
- PIPE SUPPORT ASSEMBLY SHALL BE ADEQUATELY SIZED PER MANUFACTURES REQUIREMENTS.
 - PIPE SUPPORT SHALL BE INSTALLED IN ACCORDANCE WITH ROOFING MANUFACTURES REQUIREMENTS TO MAINTAIN ROOFING WARRANTY.
 - PROVIDE ALL NECESSARY PIPE SUPPORT ASSEMBLY ACCESSORIES FOR PROPER PIPE INSTALLATION SUCH AS SLOPING AND ELEVATING TO CLEAR OBSTRUCTIONS.
 - SPACE PIPE SUPPORTS IN ACCORDANCE WITH APPLICABLE CODES INCLUDING IPC, IFGC, IMC, AND NEC.
 - PIPE SUPPORT ASSEMBLY SHALL BE EATON B-LINE SERIES WITH DURA-BLOK SUPPORT BASES OR APPROVED EQUAL. PLASTIC SUPPORTS WILL NOT BE ACCEPTED.

3 ROOF SUPPORT

NOT TO SCALE



- NOTES:**
- INSTALL SAMPLING PORT IN ACCORDANCE WITH REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. CONTACT ENGINEER IF REQUIREMENTS OF AUTHORITY HAVING JURISDICTION DIFFERS FROM DETAIL SHOWN ABOVE.
 - REFER TO PLUMBING DRAWINGS FOR LINE SIZE.

2 SAMPLING PORT

NOT TO SCALE

- NOTES:**
- INSTALL WATER HEATERS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDED PIPING DIAGRAM. CONTACT ENGINEER IF MANUFACTURER'S RECOMMENDED PIPING CONFIGURATION DIFFERS FROM DETAIL SHOWN ABOVE.
 - INSTALL CIRCULATION PUMP IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
 - PROVIDE THERMOWELLS AND/OR TEST PLUGS PER SPECIFICATION SECTION 22 05 19.

1 GAS WATER HEATER

NOT TO SCALE

WATER HEATER SCHEDULE

NOTES:								
1. PROVIDE THERMAL EXPANSION TANK EQUIVALENT TO AMTROL MODEL ST-5-C.								
2. DRAIN VALVE WITH THREADED HOSE CONNECTION.								
3. PRESSURE & TEMPERATURE RELIEF VALVE.								
4. COMBUSTION INTAKE AND EXHAUST CONCENTRIC VENT TERMINATION KIT.								
TYPE MARK	MANUFACTURER	MODEL NUMBER	GALLONS	GAS INPUT (MBH)	GAS OUTPUT (MBH)	ELEC (KW)	VOLTAGE	NOTES
WH1	BRADFORD WHITE	EF-60T-12SE-3N	60	125	120	-	120/1	1,2,3,4 AO SMITH

BACKFLOW PREVENTER SCHEDULE

NOTES:								
1. PRESSURE REDUCING VALVE AND STRAINER SHALL BE SAME MANUFACTURER AS BACKFLOW PREVENTER UNLESS OTHERWISE NOTED.								
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADAPTERS BETWEEN PIPE FITTING TYPES.								
3. PROVIDE SHUT-OFF VALVE UPSTREAM OF BACKFLOW PREVENTER ASSEMBLY AND ACCESSORIES.								
TYPE MARK	MANUFACTURER	MODEL	SIZE	PRV MODEL	PRV PRESSURE	STRAINER MODEL	NOTES	EQUIVALENTS
BFP1	ZURN	575XL	2"	500XL	75 PSI	SXL	1,2,3	WATTS

PLUMBING FIXTURE SCHEDULE

NOTES:										
1. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.										
2. ALL COLORS AND FINISHES SELECTED BY ARCHITECT.										
3. INSTALL ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR ADA COMPLIANCE.										
4. PROVIDE 17 GAUGE CHROME PLATED BRASS WASTE, TAILPIECE AND P-TRAP. PROVIDE PLATED ESCUTCHEONS AT WALL PENETRATIONS.										
5. PROVIDE TRUEBRO HAND-LAY-GUARD INSULATION KIT WHERE EXPOSED. COLOR SHALL BE SELECTED BY THE ARCHITECT.										
6. PROVIDE SHOCK ABSORBER FOR ALL INDIVIDUAL FIXTURES OR BATTERIES. SIZE UNITS SERVING FIXTURE BATTERIES PER MANUFACTURER.										
7. COORDINATE ELECTRICAL CONNECTION AND REQUIREMENTS WITH ELECTRICAL CONTRACTOR.										
8. REFER TO ARCHITECTURAL ACCESSIBLE URINAL DETAIL 1/G101 FOR INSTALLATION HEIGHT.										
9. EQUIVALENT FAUCET AND/OR FLUSH VALVE MANUFACTURERS WILL NOT BE ACCEPTED.										
TYPE MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBER	ACCESSORIES	CW SIZE	HW SIZE	WASTE	VENT	NOTES	EQUIVALENTS
DF1	DRINKING FOUNTAIN	ELKAY	LZSTL8WSSK	BI-LEVEL, BOTTLE FILLING STATION, SAFETY BUBBLER, ADA COMPLIANT, ZURN Z1225-BL CARRIER, QUARTER TURN STOP	0.5"	-	2"	1.5"	1,2,3,4	HAWS, OASIS
DSN-6"	DOWNSPOUT NOZZLE	ZURN	Z199	-	-	-	6"	-	1,2	JOSAM, WADE
DSN-8"	DOWNSPOUT NOZZLE	ZURN	Z199	-	-	-	8"	-	1,2	JOSAM, WADE
DSN-10"	DOWNSPOUT NOZZLE	ZURN	Z199	-	-	-	10"	-	1,2	JOSAM, WADE
FD1	FLOOR DRAIN	ZURN	Z415B	NICKEL BRONZE TOP, PROSET TRAP GUARD	-	-	2"	1.5"	-	JOSAM, WADE
FD2	FLOOR DRAIN	ZURN	Z415I	NICKEL BRONZE TOP WITH RAISED FLANGE, PROSET TRAP GUARD	-	-	2"	1.5"	-	JOSAM, WADE
FFCO	FINISH FLOOR CLEANOUT	ZURN	Z1400	NICKEL BRONZE TOP	-	-	SEE PLAN	-	-	JOSAM, WADE
FGCO	FINISH GRADE CLEANOUT	ZURN	Z51400	STAINLESS STEEL EXTRA HEAVY DUTY TOP	-	-	SEE PLAN	-	-	JOSAM, WADE
FRPH	FREEZE PROOF ROOF HYDRANT	WOODFORD	RHY1-MS	FREEZELESS, CAST IRON MOUNTING SYSTEM, DRAIN CONNECTION	1"	-	0.125"	-	-	ZURN
FPWH	FREEZE PROOF WALL HYDRANT	WOODFORD	B65	FREEZELESS, AUTOMATIC DRAINING, ANTI-SIPHON, BOX/DOOR ASSEMBLY	0.75"	-	-	-	1,2	ZURN
GI1	GREASE INTERCEPTOR	SCHIER	GB-75	TRAFFIC RATED COMPOSITE COVER, RISERS AS REQUIRED FOR INSTALLATION	-	-	3"	-	-	ROCKFORD, GREEN TURTLE
LV1	COUNTERTOP LAVATORY	KOHLER	K-2882	ZURN Z6915-XL FAUCET, 1.0 GPM, VANDAL RESISTANT, LAMINAR FLOW, HARDWIRED, GRID STRAINER, QUARTER TURN STOPS, WATTS FLUSG-B MIXING VALVE	0.5"	0.5"	2"	1.5"	2,3,4,5,7,9	TOTO, AMERICAN STANDARD
LV2	WALL HUNG LAVATORY	ZURN	Z5340	ZURN Z6915-XL FAUCET, 1.0 GPM, VANDAL RESISTANT, LAMINAR FLOW, HARDWIRED, GRID STRAINER, QUARTER TURN STOPS, WATTS FLUSG-B MIXING VALVE, ZURN Z1231 CARRIER	0.5"	0.5"	2"	1.5"	1,2,3,4,5,7,9	TOTO, AMERICAN STANDARD
MB1	MOP BASIN	FIAT	MSB 2424	ZURN Z843M4-XL FAUCET, FIAT 838-AA HOSE AND BRACKET, FIAT 889-CC MOP HANGER, FIAT MSG2424 STAINLESS STEEL WALL GUARD, FIAT E-77-AA VINYL BUMPERGUARD	0.5"	0.5"	3"	1.5"	2	STERN-WILLIAMS
ORD-6"	OVERFLOW ROOF DRAIN	ZURN	ZC100-W2	CAST IRON DOME, INTERNAL WATER DAM	-	-	6"	-	-	JOSAM, WADE
ORD-8"	OVERFLOW ROOF DRAIN	ZURN	ZC100-W2	CAST IRON DOME, INTERNAL WATER DAM	-	-	8"	-	-	JOSAM, WADE
RD-6"	ROOF DRAIN	ZURN	ZC100	CAST IRON DOME	-	-	6"	-	-	JOSAM, WADE
RD-8"	ROOF DRAIN	ZURN	ZC100	CAST IRON DOME	-	-	8"	-	-	JOSAM, WADE
SB1	SUPPLY BOX	GUJ GRAY	MIB1HAA8	QUARTER TURN VALVE, HAMMER ARRESTER	0.5"	-	-	-	-	OATEY
SK1	HAND SINK	ADVANCE TABCO	7-PS-46	ADVANCE TABCO EXTENDED SWING FAUCET, QUARTER TURN STOPS, DRAIN KIT, WALL CARRIER, WATTS FLUSG-B MIXING VALVE, ADA COMPLIANT	0.5"	0.5"	2"	1.5"	2,3,4	ELKAY, JUST
SK2	DOUBLE BOWL SINK	ELKAY	ECTR31179	ELKAY LK5000 FAUCET, IN-SINK-ERATOR EVOLUTION EXCEL 1HP GARBAGE DISPOSAL, QUARTER TURN STOPS, DRAIN KIT, ADA COMPLIANT	0.5"	0.5"	2"	1.5"	2,3,4	JUST, KOHLER
SK3	DOUBLE BOWL SINK	ELKAY	LRAD331965	ELKAY LK5000 FAUCET, IN-SINK-ERATOR EVOLUTION EXCEL 1HP GARBAGE DISPOSAL, QUARTER TURN STOPS, DRAIN KIT, ADA COMPLIANT	0.5"	0.5"	2"	1.5"	2,3,4	JUST, KOHLER
SK4	DOUBLE BOWL SINK	ELKAY	LRAD331965	ELKAY LK5000 FAUCET, QUARTER TURN STOPS, DRAIN KIT, ADA COMPLIANT	0.5"	0.5"	2"	1.5"	2,3,4	JUST, KOHLER
SK5	THREE COMPARTMENT SINK	ADVANCE TABCO	DE-3-10	ADVANCE TABCO K-50 FAUCET(S), IN-SINK-ERATOR EVOLUTION EXCEL 1HP GARBAGE DISPOSAL WITH DISHWASHER DRAIN CONNECTION, QUARTER TURN STOPS, DRAIN KIT(S)	0.5"	0.5"	2"	1.5"	2,4	ELKAY, JUST
SP	SAMPLING PORT	DEETER	1813	6" PVC RISER	-	-	SEE PLAN	-	-	JOSAM, WADE, ZURN
UR1	URINAL	ZURN	Z5755-U	SLOAN ECOS 8186-0.125 FLUSH VALVE, 0.125 GALLON PER FLUSH, ZURN Z1222 CARRIER	0.75"	-	2"	1.5"	1,2,3,6,9	TOTO, AMERICAN STANDARD
UR2	ADA URINAL	ZURN	Z5755-U	SLOAN ECOS 8186-0.125 FLUSH VALVE, 0.125 GALLON PER FLUSH, ZURN Z1222 CARRIER	0.75"	-	2"	1.5"	1,2,3,6,8,9	TOTO, AMERICAN STANDARD
WC1	WATER CLOSET	ZURN	5655-BWL1	SLOAN ECOS 8111-1.6/1.1 (3370400) DUAL FLUSH VALVE, 1.6/1.1 GALLON PER FLUSH, OPEN FRONT COMMERCIAL SEAT	1.25"	-	4"	2"	2,6,9	TOTO, AMERICAN STANDARD
WC2	ADA WATER CLOSET	ZURN	Z5655-BWL1	SLOAN ECOS 8111-1.6/1.1 (3370400) DUAL FLUSH VALVE, 1.6/1.1 GALLON PER FLUSH, OPEN FRONT COMMERCIAL SEAT, ADA COMPLIANT	1.25"	-	4"	2"	2,3,6,9	TOTO, AMERICAN STANDARD

PLUMBING PUMP SCHEDULE

NOTES:													
1. PROVIDE CONTACTOR/RELAY FOR PUMP CONTROL BY BUILDING AUTOMATION SYSTEM. COORDINATE REQUIREMENTS WITH BAS CONTRACTOR.													
2. COORDINATE ELECTRICAL CONNECTION WITH ELECTRICAL CONTRACTOR.													
3. BEARINGS ARE TO BE LUBRICATED BY THE CIRCULATING FLUID.													
TYPE MARK	MANUFACTURER	SERIES	INLET SIZE	DISCHARGE SIZE	GPM	PUMP HEAD (FT)	MOTOR HP (WATTS)	RPM	CONSTRUCTION	FLUID TYPE	FLUID TEMP	VOLTAGE	NOTES
HWRP	TACO	006	0.75"	0.75"	3	7 FT	60 W	3250	BRONZE	DOMESTIC HOT WATER	140 F	120/1	1,2,3 BELL & GOSSETT