

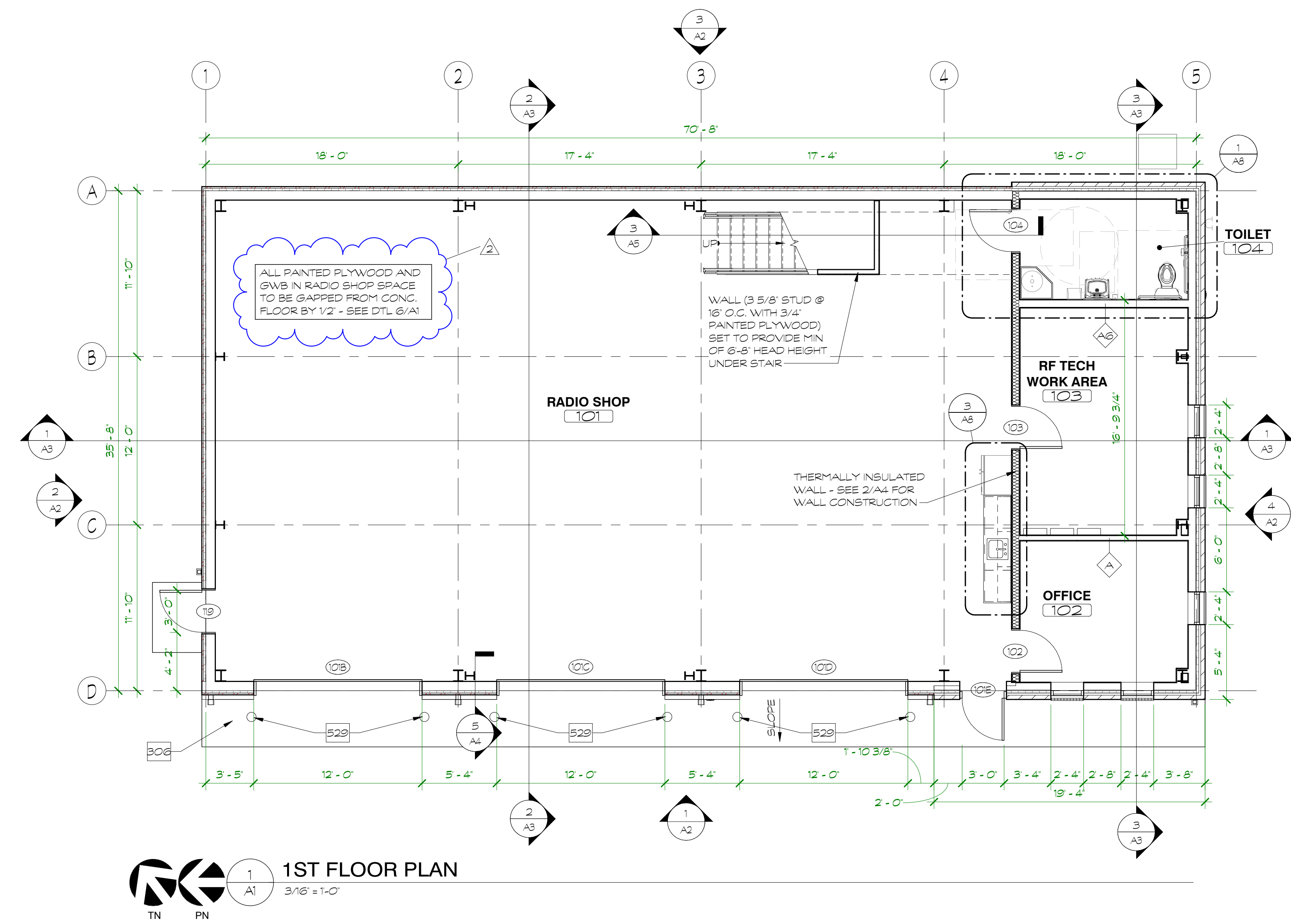
No.	Name	Base	Floor	Walls				Ceiling	Ceiling Ht	Remarks
				North	East	South	West			
101	RADIO SHOP	RUBBER	S CONG	PNT PLYWD	PNT PLYWD	PNT PLYWD	PNT PLYWD	EXPOSED	---	
102	OFFICE	RUBBER	S CONG	PNT GWB	PNT GWB	PNT GWB	PNT GWB	EXPOSED	---	
103	RF TECH WORK AREA	RUBBER	S CONG	PNT GWB	PNT GWB	PNT GWB	PNT GWB	EXPOSED	---	
104	TOILET	RUBBER	S CONG	PNT GWB	PNT GWB	PNT GWB	PNT GWB	EXPOSED	---	
M1	MEZZANINE	---	S CONG	PNT PLYWD	PNT PLYWD	PNT PLYWD	PNT PLYWD	EXPOSED	---	

A1 NOTES	
No.	Note Text
306	CONCRETE APRON - SEE STRUCTURAL DRAWINGS
506	PRE-FINISHED METAL CANOPY
526	PRE-FINISHED METAL ROOF EDGE TRIM - SEE METAL BDLG MFR DRAWINGS
528	METAL BUILDING INSULATED ROOF PANEL - SEE METAL BDLG MFR DRAWINGS
529	BOLLARD - SEE STRUCTURAL DRAWINGS FOR TYPICAL DETAIL
723	PRE-FINISHED METAL GUTTER - SEE METAL BDLG MFR DRAWINGS
724	PRE-FINISHED METAL DOWNSPOUT
726	PRE-FINISHED METAL CANOPY OVERFLOW DRAIN DOWNSPOUT
736	SNOW GUARD
2202	PLUMBING VENT THRU ROOF - SEE PLUMBING DRAWINGS
2304	VENT/COMBUSTION THRU ROOF - SEE MECHANICAL DRAWINGS
2307	GAS VENT/COMBUSTION THRU ROOF - SEE MECHANICAL DRAWINGS

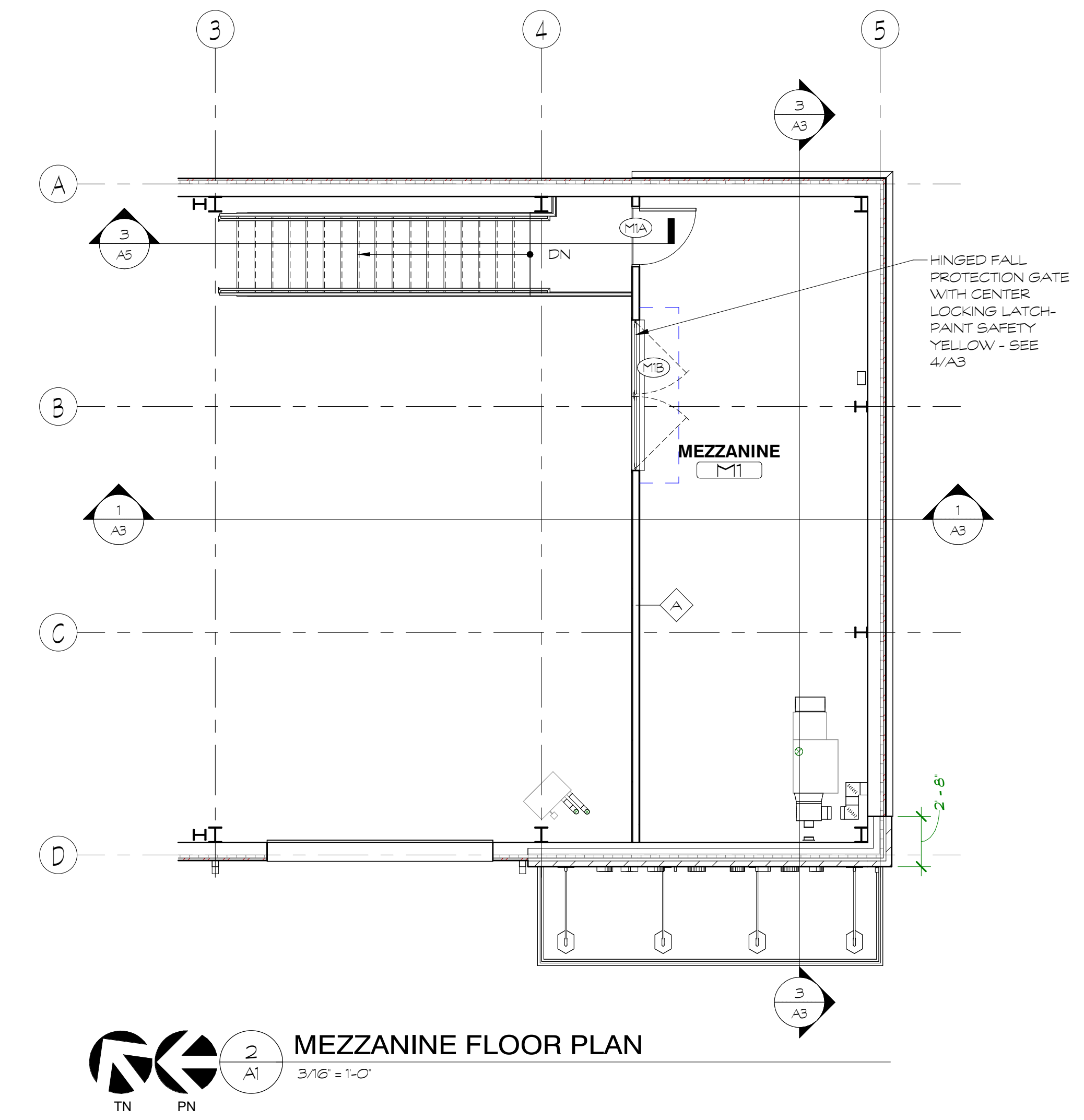


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 10 9th Street
 Lynchburg, Virginia 24504
 phone: 434-846-8456
 fax: 434-846-4534
 architecturalpartners.com

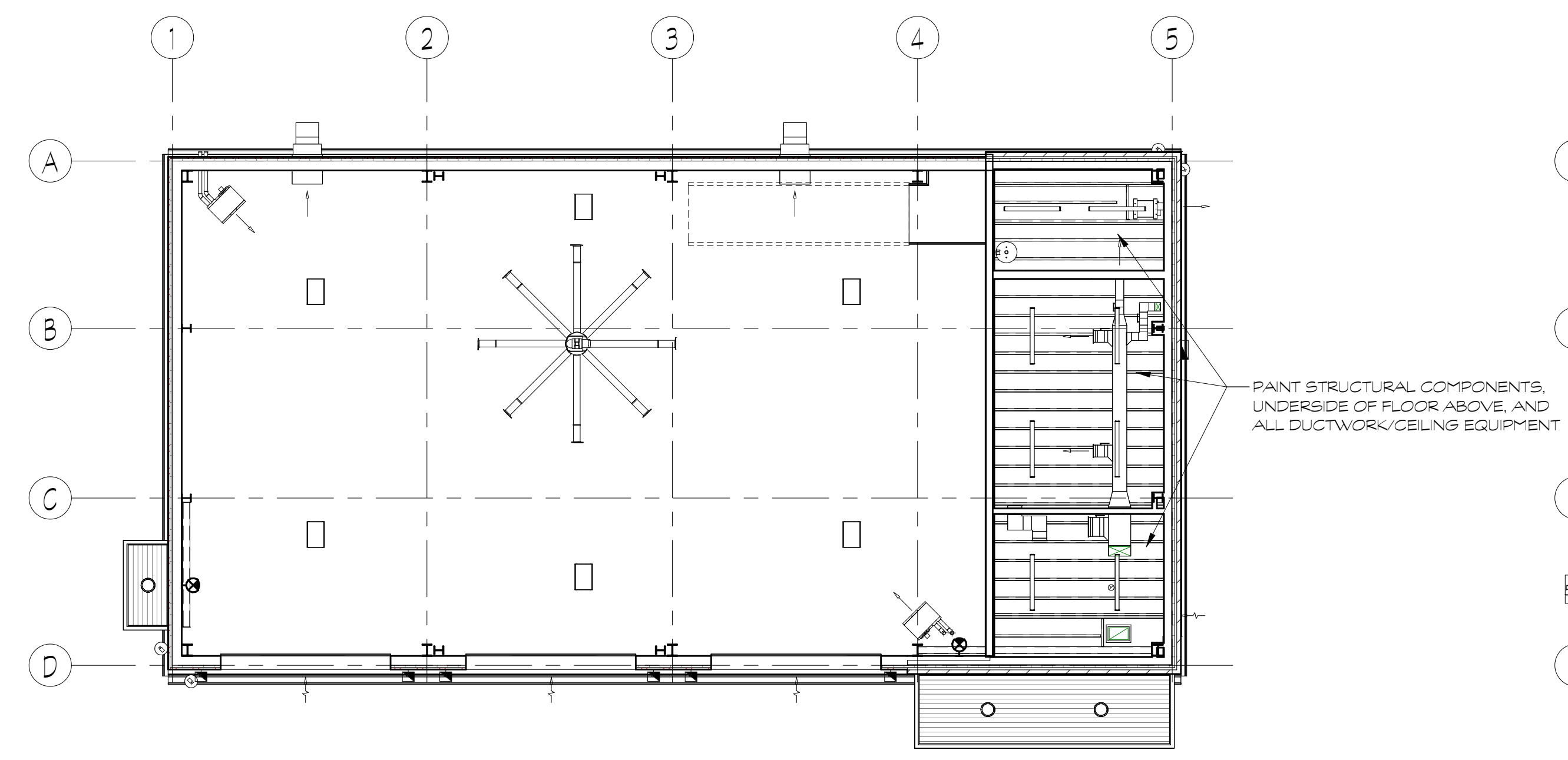
BOTETOURT COUNTY
RMFDE - 911 COMPLEX
 43 EASTPARK DRIVE, ROANOKE, VA 24019
 PROJECT NO.: 24100



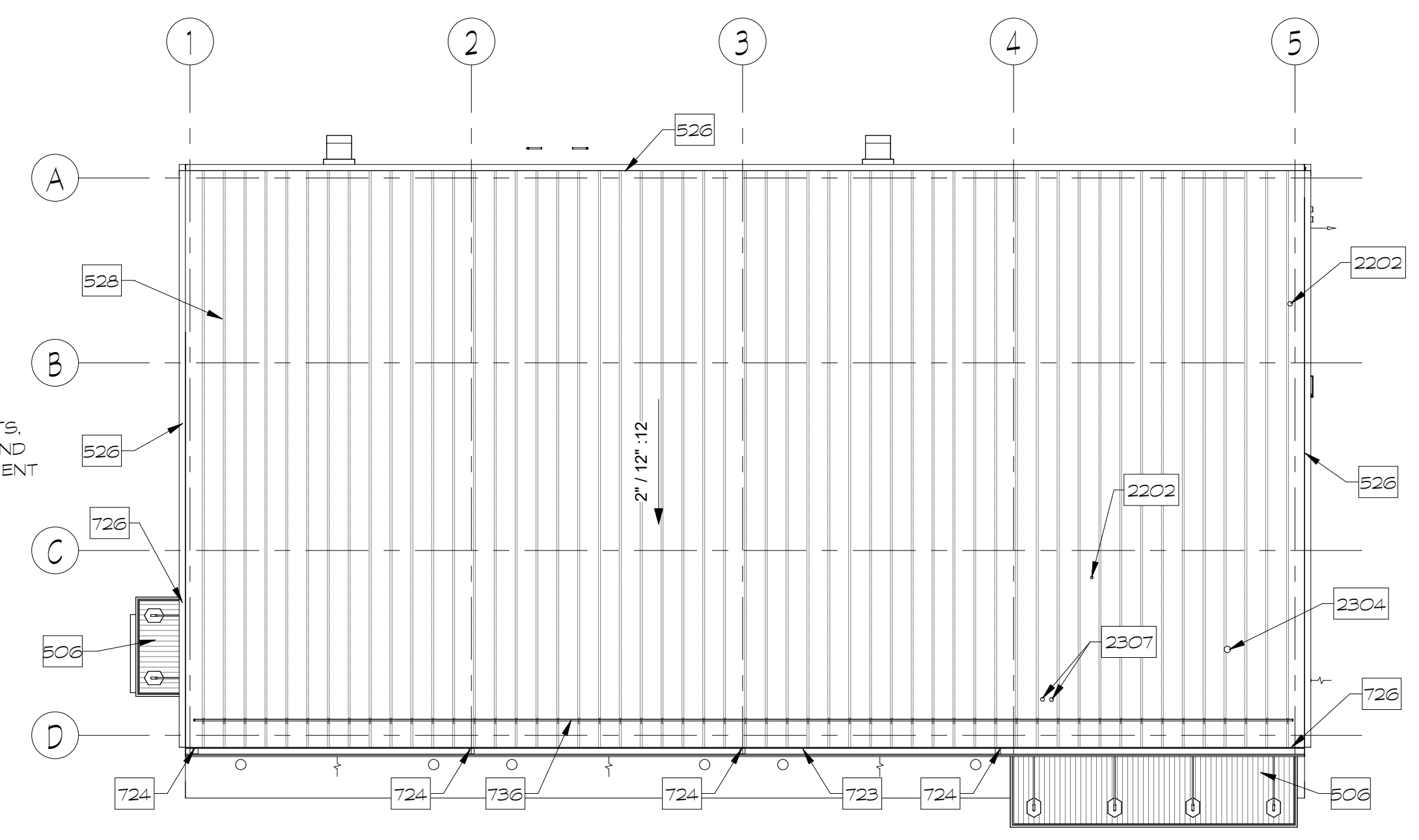
1 1ST FLOOR PLAN
 3/16" = 1'-0"



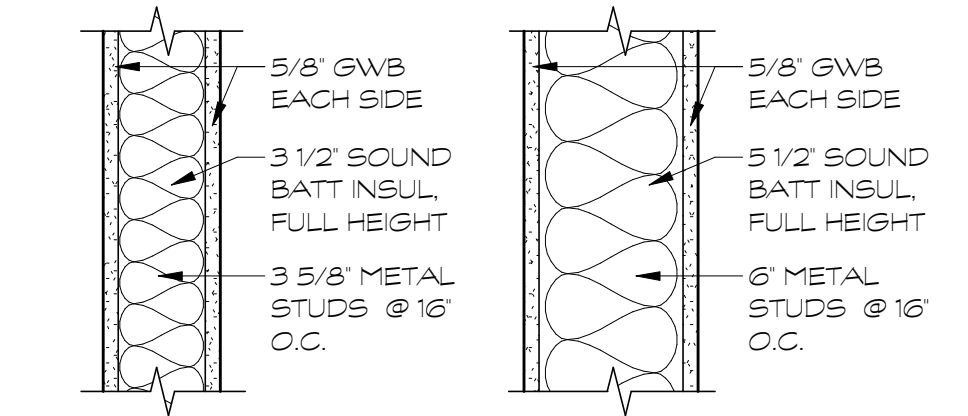
2 MEZZANINE FLOOR PLAN
 3/16" = 1'-0"



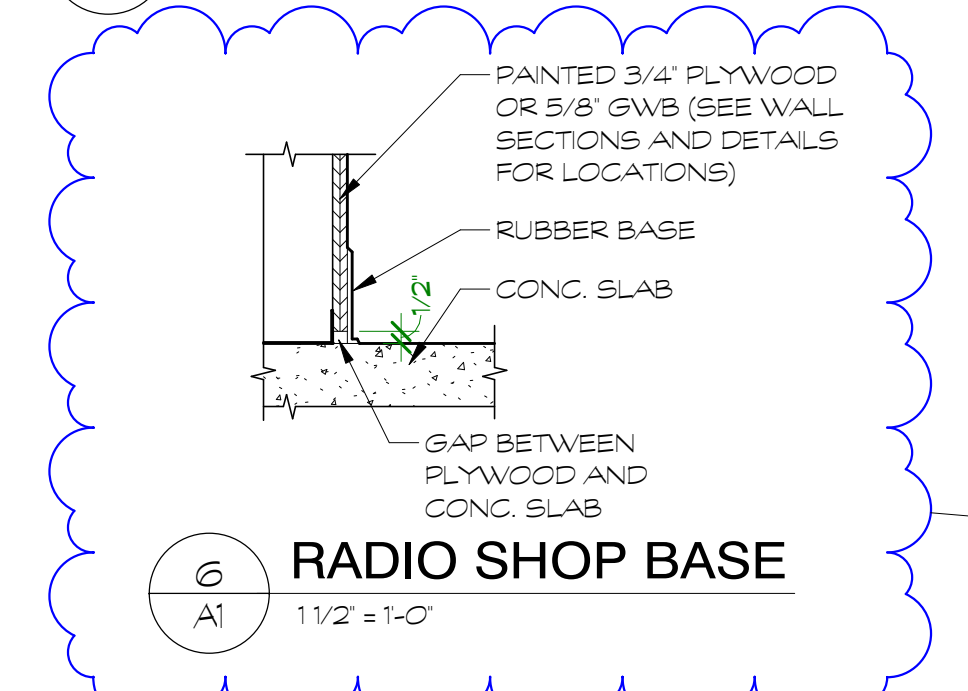
3 1ST FLOOR REFLECTED CEILING PLAN
 1/8" = 1'-0"



4 ROOF PLAN
 1/8" = 1'-0"



5 WALL TYPES
 1 1/2" = 1'-0"



6 RADIO SHOP BASE
 1 1/2" = 1'-0"

BID SET



EXERCISE OF PROFESSIONAL RESPONSIBILITY
 I, THE ARCHITECT, HEREBY CERTIFY THAT I AM THE ARCHITECT OF RECORD FOR THE PROJECT AND THAT I AM A LICENSED ARCHITECT IN THE COMMONWEALTH OF VIRGINIA.

DATE:	2025-06-06
DESIGNED:	JJV, GEH
DRAWN:	TMT
CHECKED:	JMT
REVISIONS:	
No.	Date
2	2025/07/01

FLOOR PLANS

A1

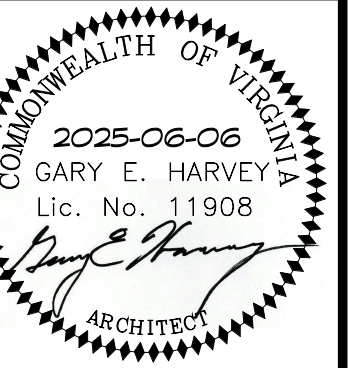


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BOTETOURT COUNTY
RMFDE - 911 COMPLEX
43 EASTPARK DRIVE, ROANOKE, VA 24019
PROJECT NO.: 24100

BID SET



DESIGNER'S NOTE: THE USER SHALL TAKE PRECEDENCE OVER SCALE. INDUSTRY AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE ADVISED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

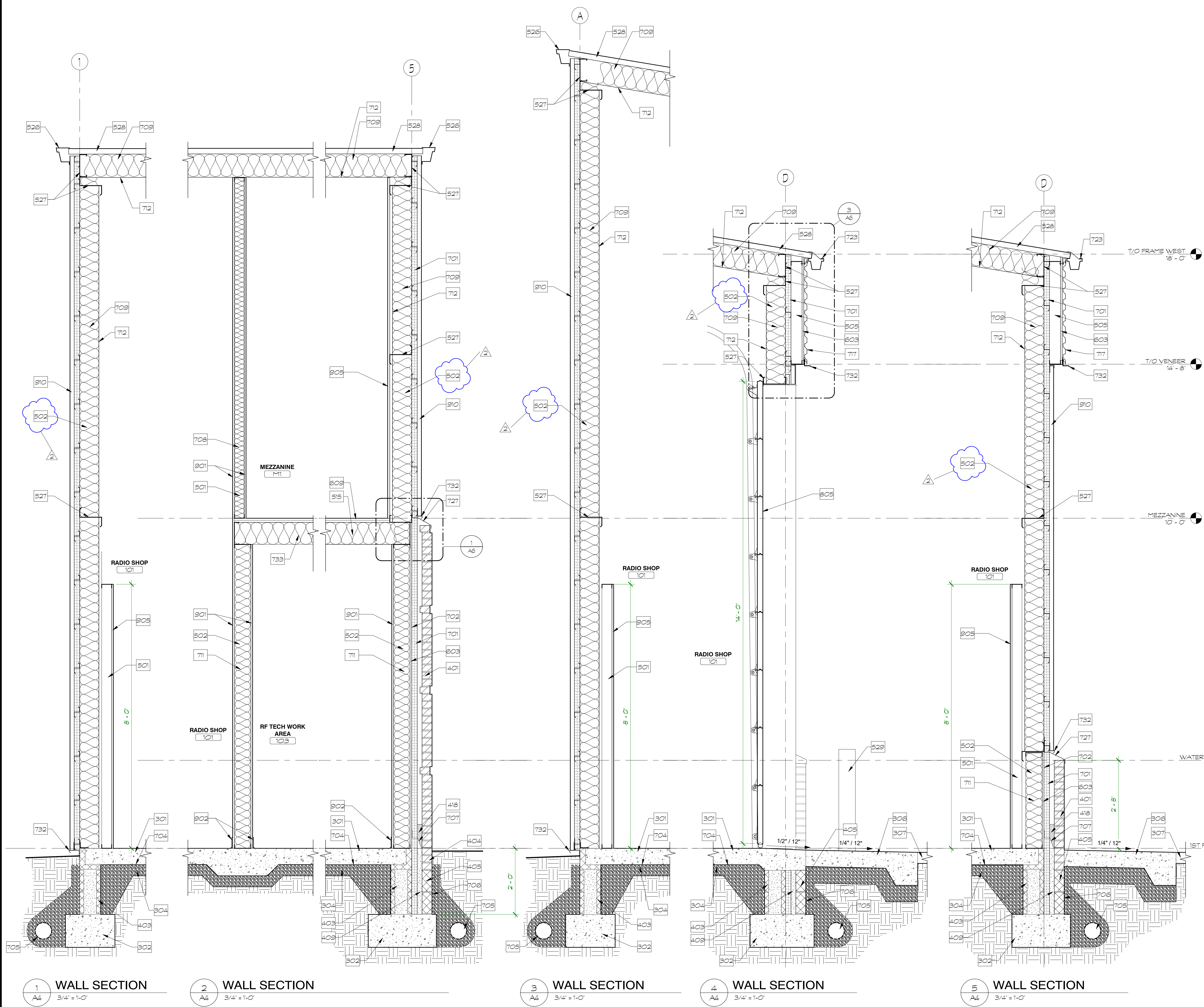
DATE: 2025-06-06
DESIGNED: JJV, GEH
DRAWN: TMT
CHECKED: JMT

REVISIONS:
No. Date
2 2025/07/01

WALL SECTIONS

A4

A4 NOTES	
No.	Note Text
301	CONCRETE SLAB - SEE STRUCTURAL DRAWINGS
302	CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS
304	CRUSHED STONE
306	CONCRETE APRON - SEE STRUCTURAL DRAWINGS
307	PARKING LOT
401	BRICK VENEER - FIELD BRICK COLOR 1
403	8" CMU - GROUT SOLID
404	CONTINUE BRICK MIN 3 COURSES BELOW GRADE
405	SOLID 4" CMU
409	SOLID FILL BELOW GRADE CAVITY WITH GROUT
418	MORTAR NET - MIN 8"
501	3 5/8" METAL STUDS @ 16" O.C.
502	6" METAL STUDS @ 16" O.C.
505	4" Z GIRTS - VERTICAL - ATTACHED TO HORIZONTAL Z GIRTS
515	COLD-FORMED FRAMING - SEE STRUCTURAL DRAWINGS
526	PRE-FINISHED METAL ROOF EDGE TRIM - SEE METAL BLDG MFR DRAWINGS
527	METAL BUILDING PURLIN/GIRT - SEE METAL BLDG MFR DRAWINGS
528	METAL BUILDING INSULATED ROOF PANEL - SEE METAL BLDG MFR DRAWINGS
529	BOLLARD - SEE STRUCTURAL DRAWINGS FOR TYPICAL DETAIL
603	5/8" GYPSUM SHEATHING
609	(2) LAYERS OF 3/4" FIRE-RATED PLYWOOD
701	2" RIGID INSULATION
702	WEATHER BARRIER
704	VAPOR BARRIER
705	DRAIN TILE - PIPE TO DAYLIGHT, SEE CIVIL DRAWINGS
706	WATERPROOFING
707	THRU-WALL FLASHING WITH WEEPS AT 32" O.C.
708	3 1/2" SOUND BATT INSULATION
709	METAL BUILDING INSULATION - SEE METAL BLDG MFR DRAWINGS
711	BATT INSULATION - R-19
712	METAL BUILDING VAPOR RETARDER - SEE METAL BLDG MFR DRAWINGS
717	22 GA METAL WALL PANELS (HORIZONTAL) WITH CONCEALED CLIP FASTENERS - BASIS OF DESIGN: PAC-CLAD HWP
723	PRE-FINISHED METAL GUTTER - SEE METAL BLDG MFR DRAWINGS
727	METAL FLASHING
732	METAL PANEL SILL FLASHING
733	8" BATT INSULATION, R-30 MINIMUM
805	OVERHEAD DOOR
901	5/8" GWB
902	BASE - SEE FINISH SCHEDULE
905	PANTED 3/4" FIRE RETARDANT TREATED PLYWOOD
910	METAL BUILDING WALL SYSTEM PANEL - SEE METAL BLDG MFR DRAWINGS



7/1/2025 8:24:28 AM



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10 9th Street
Lynchburg, Virginia 24504
phone: 434-846-8456
fax: 434-846-4534
architecturalpartners.com

**BOTETOURT COUNTY
RMFDE - 911 COMPLEX**
43 EASTPARK DRIVE, ROANOKE, VA 24019 PROJECT NO.: 24100

BID SET



CLIENT: THE OWNER SHALL TAKE PRECEDENCE OVER ALL OTHER PROVISIONS AND CONDITIONS IN THE JOB AND THIS OFFICE MUST BE ADVISED OF ANY VARIATION FROM THE SPECIFICATIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

DATE: 2025-06-06
DESIGNED: JJV, GEH
DRAWN: TMT
CHECKED: JMT
REVISIONS:

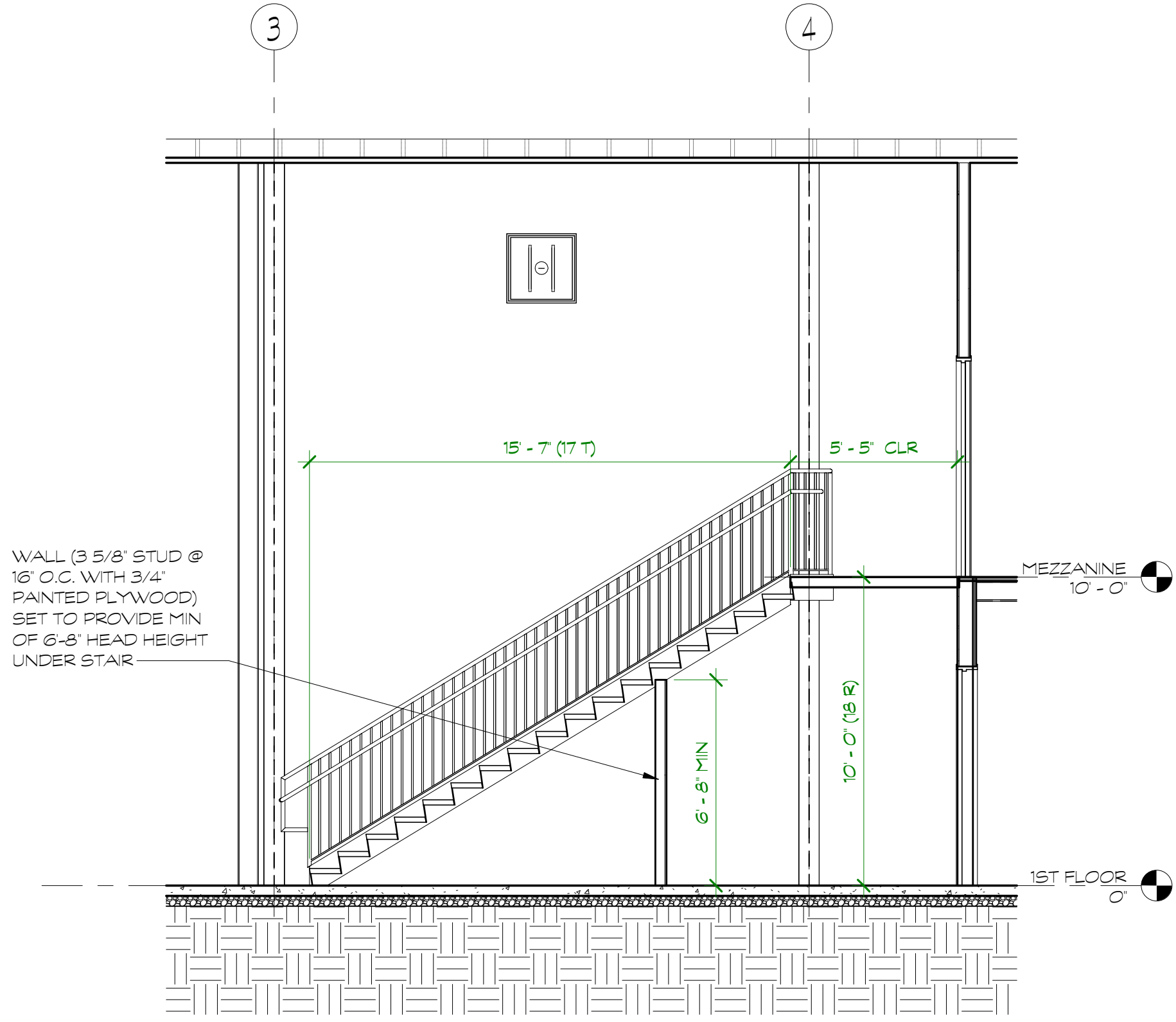
No.	Date
2	2025/07/01

WALL SECTIONS & STAIR

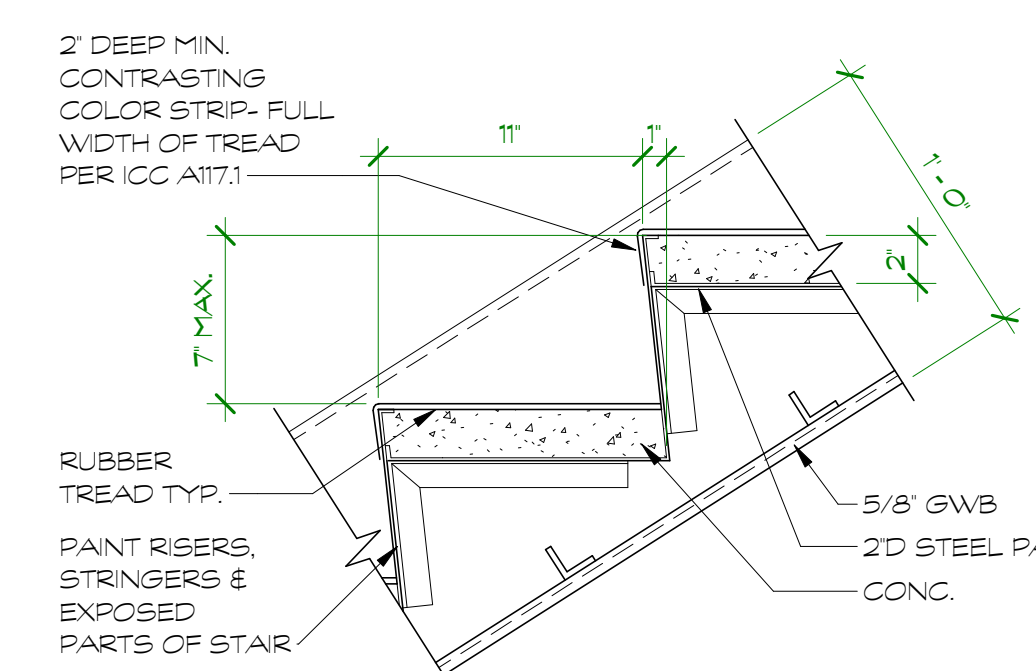
A5

A5 NOTES

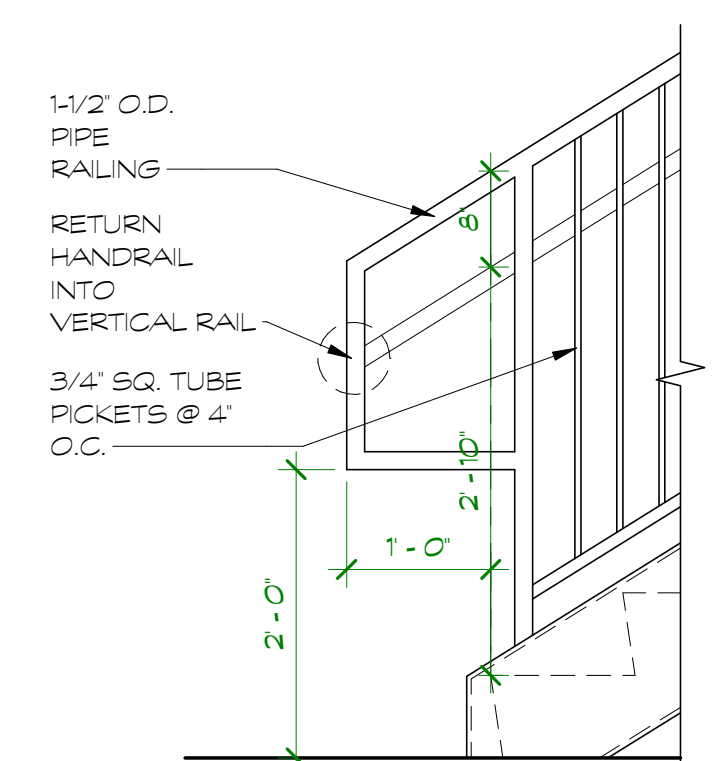
No.	Note Text
301	CONCRETE SLAB - SEE STRUCTURAL DRAWINGS
302	CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS
303	EXPANSION JOINT
304	CRUSHED STONE
306	CONCRETE APRON - SEE STRUCTURAL DRAWINGS
307	PARKING LOT
401	BRICK VENEER - FIELD BRICK COLOR 1
402	BRICK VENEER RECESS - 3/4" - COLOR 2
403	8" CMU - GROUT SOLID
405	SOLID 4" CMU
408	SLOPED BRICK SILL
409	SOLID FILL BELOW GRADE CAVITY WITH GROUT
418	MORTAR NET - MIN 8"
502	6" METAL STUDS @ 16" O.C.
506	PRE-FINISHED METAL CANOPY
515	COLD-FORMED FRAMING - SEE STRUCTURAL DRAWINGS
526	PRE-FINISHED METAL ROOF EDGE TRIM - SEE METAL BLDG MFR DRAWINGS
527	METAL BUILDING PURLIN/GIRT - SEE METAL BLDG MFR DRAWINGS
528	METAL BUILDING INSULATED ROOF PANEL - SEE METAL BLDG MFR DRAWINGS
603	5/8" GYPSUM SHEATHING
609	(2) LAYERS OF 3/4" FIRE-RATED PLYWOOD
701	2" RIGID INSULATION
702	WEATHER BARRIER
704	VAPOR BARRIER
705	DRAIN TILE - PIPE TO DAYLIGHT, SEE CIVIL DRAWINGS
706	WATERPROOFING
707	THRU-WALL FLASHING WITH WEEPS AT 32" O.C.
709	METAL BUILDING INSULATION - SEE METAL BLDG MFR DRAWINGS
711	BATT INSULATION - R-19
712	METAL BUILDING VAPOR RETARDER - SEE METAL BLDG MFR DRAWINGS
717	22 GA. METAL WALL PANELS (HORIZONTAL) WITH CONCEALED CLIP FASTENERS - BASIS OF DESIGN: PAC-GLAD HWP
723	PRE-FINISHED METAL GUTTER - SEE METAL BLDG MFR DRAWINGS
727	METAL FLASHING
732	METAL PANEL SILL FLASHING
804	ALUMINUM STOREFRONT WINDOW
901	5/8" GWB
902	BASE - SEE FINISH SCHEDULE
905	PAINTED 3/4" FIRE RETARDANT TREATED PLYWOOD



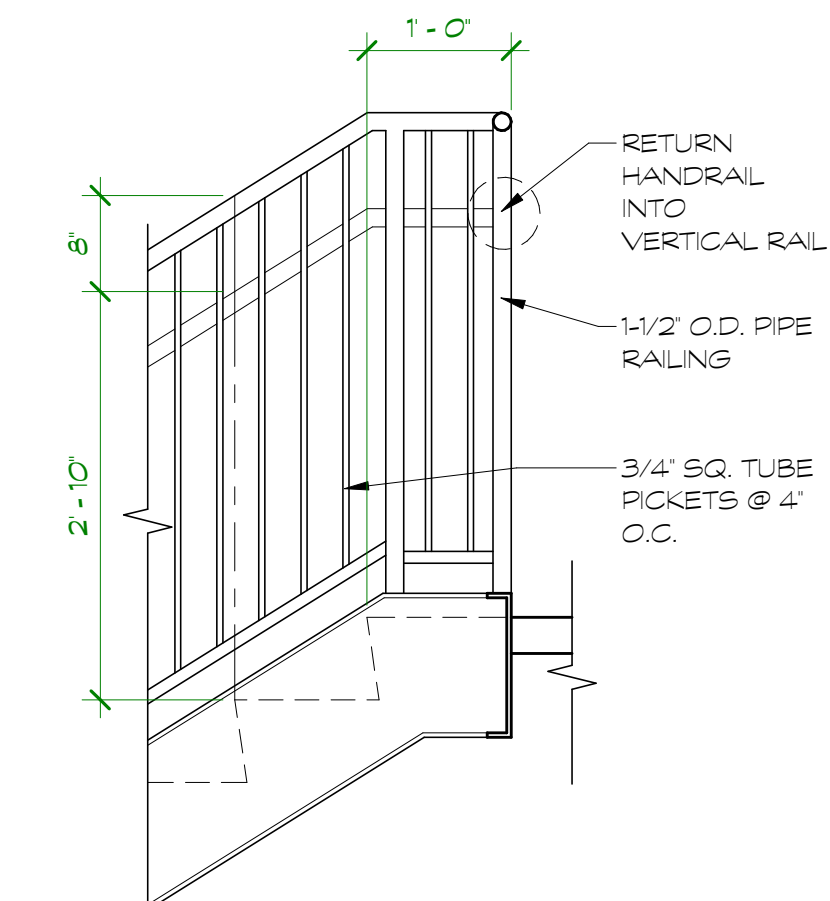
3 STAIR SECTION
1/4" = 1'-0"



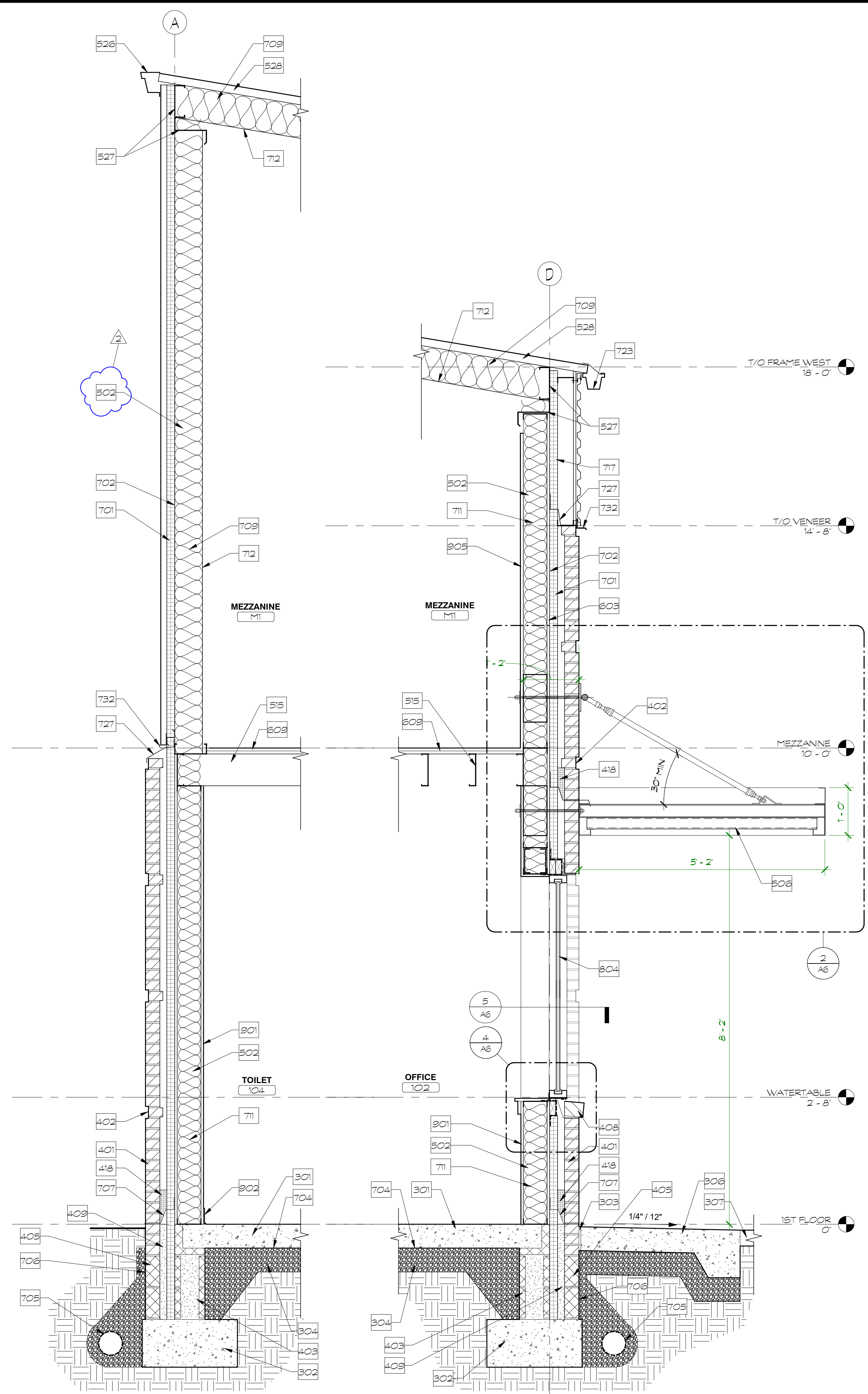
4 CONC. PAN STAIR TREAD & RISER
1 1/2" = 1'-0"



5 RAIL EXT @ BOTTOM
3/4" = 1'-0"

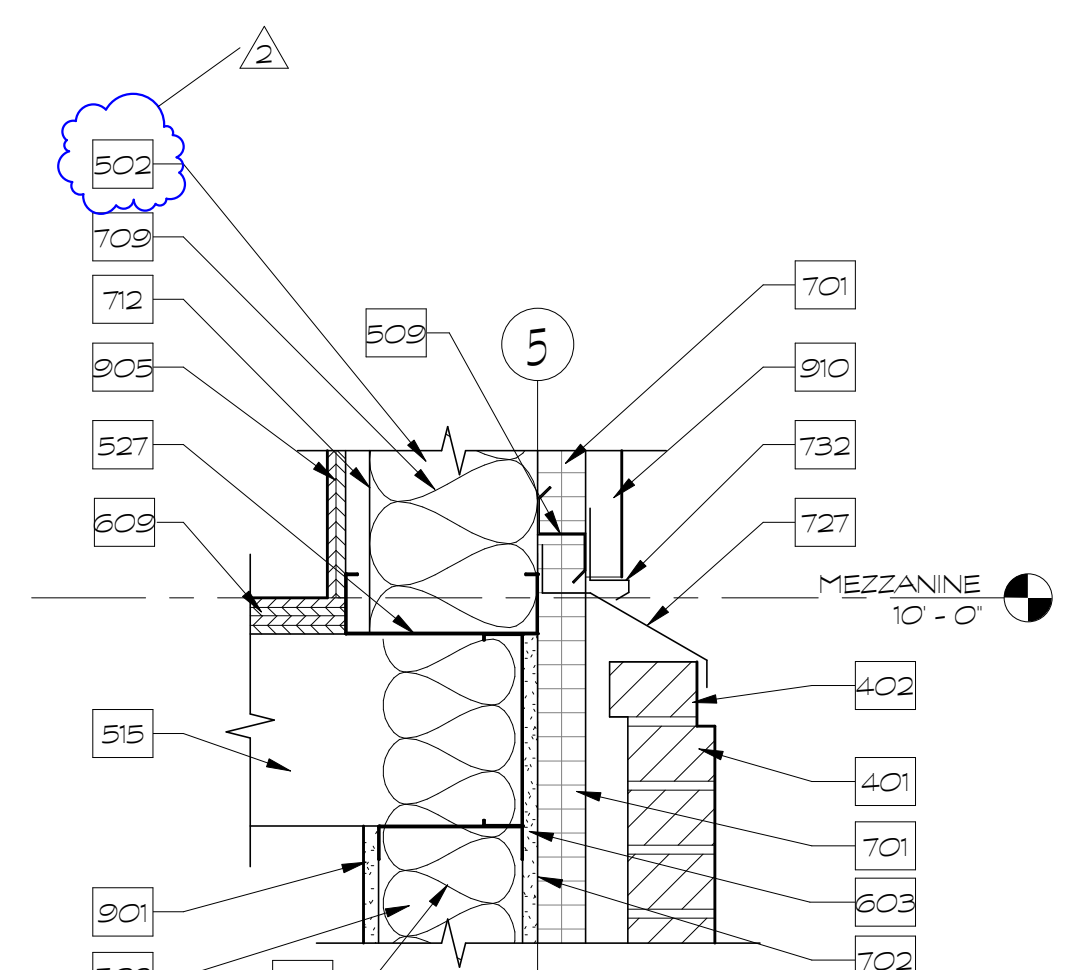


6 RAIL EXT @ TOP
3/4" = 1'-0"

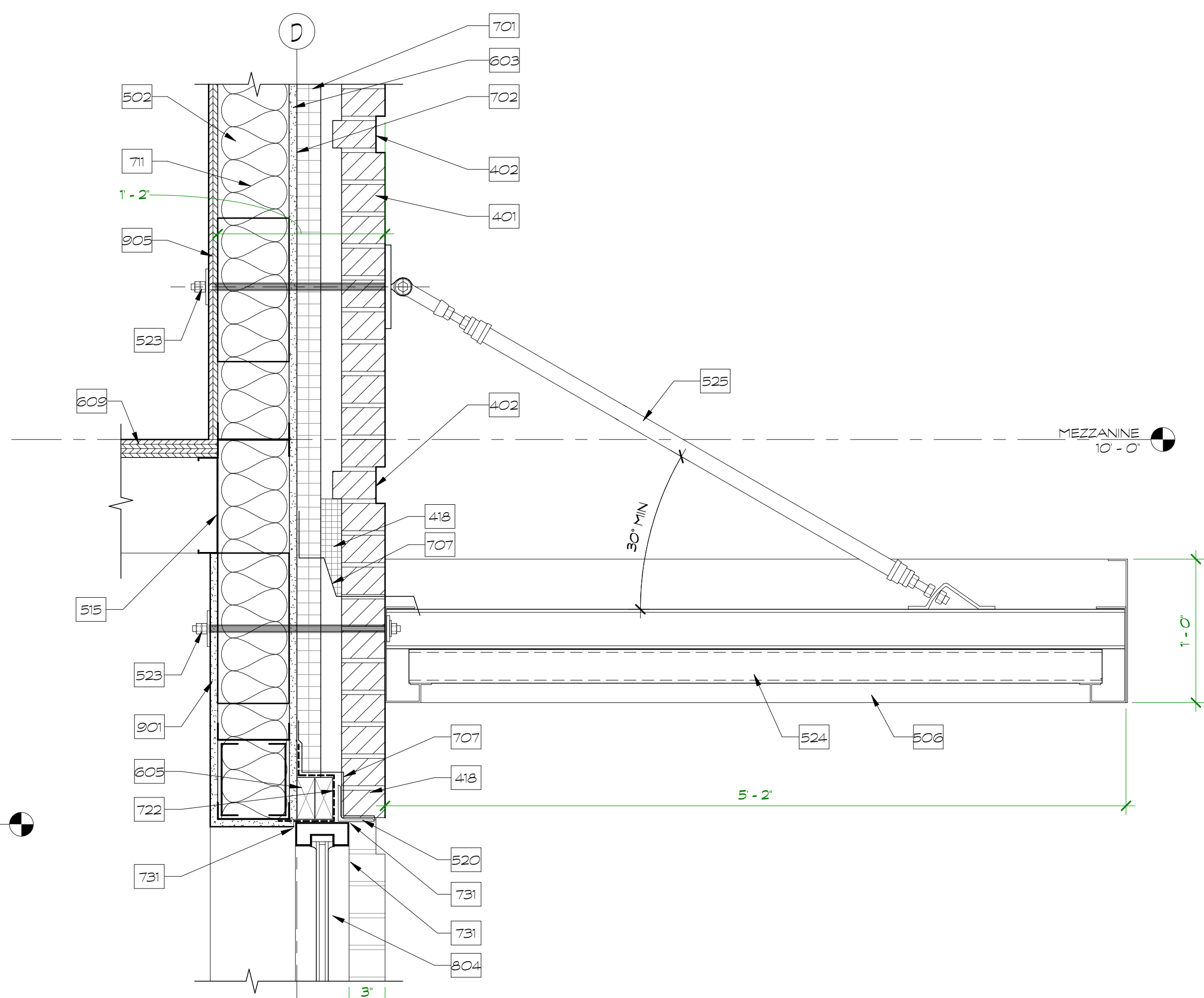


1 WALL SECTION
3/4" = 1'-0"

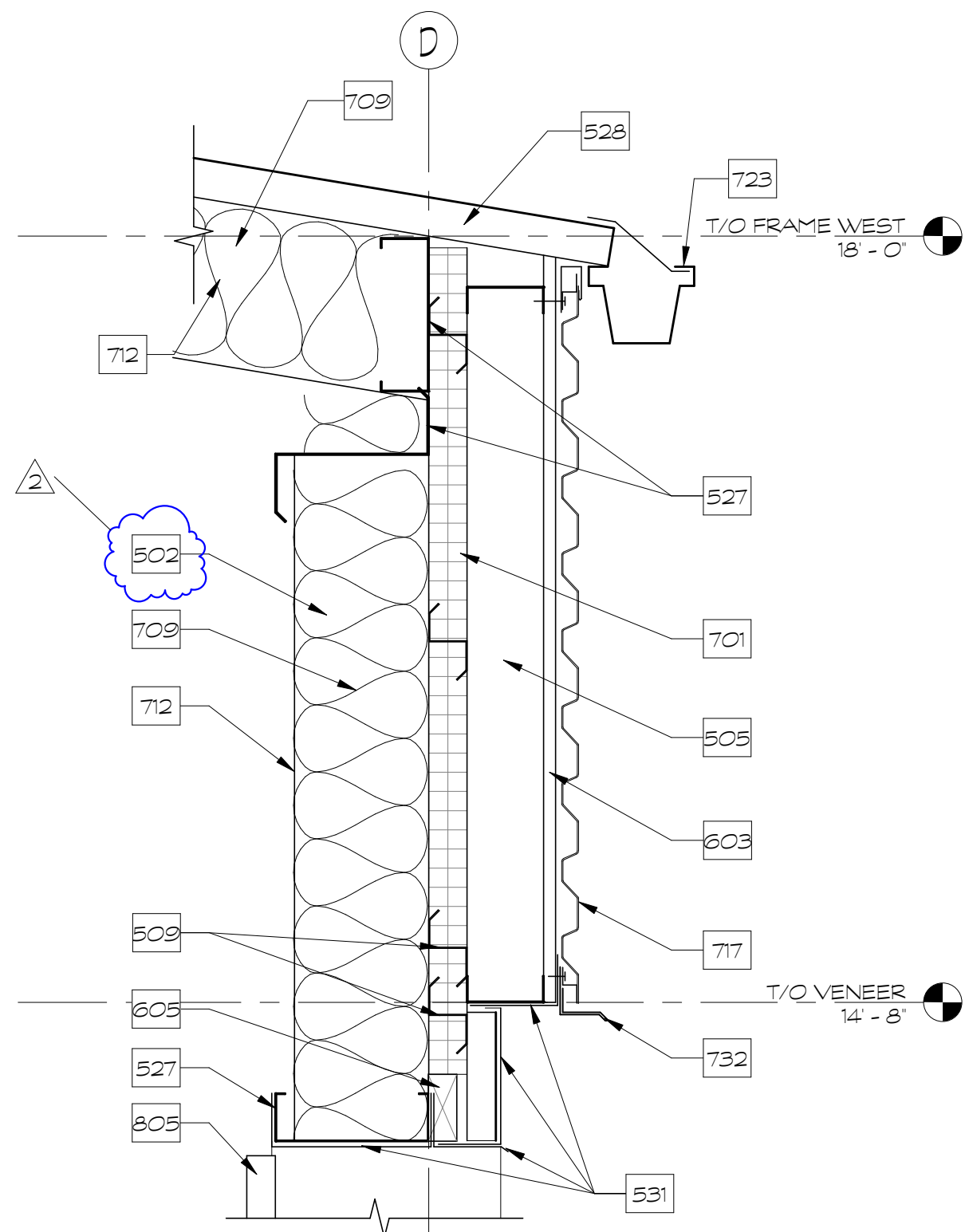
2 WALL SECTION
3/4" = 1'-0"



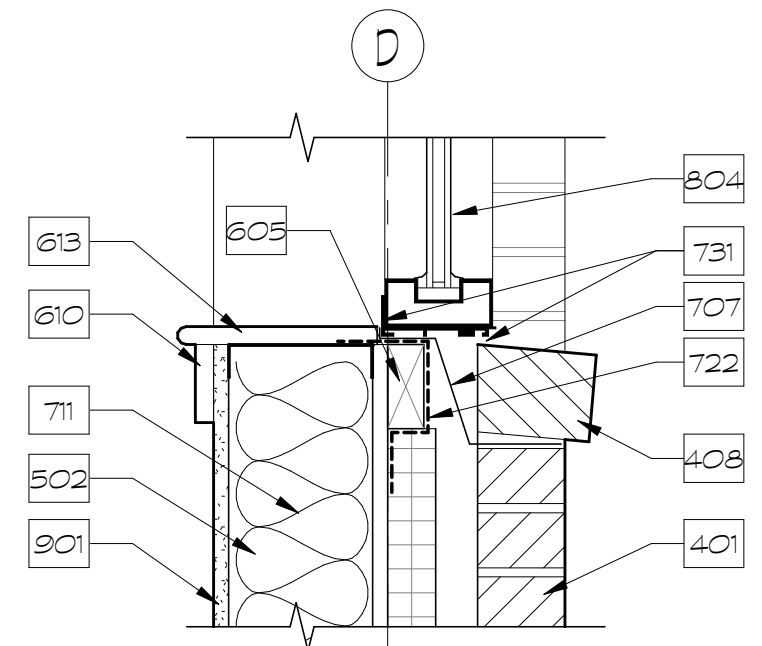
1 BRICK TO SIDING TRANSITION
1 1/2" = 1'-0"



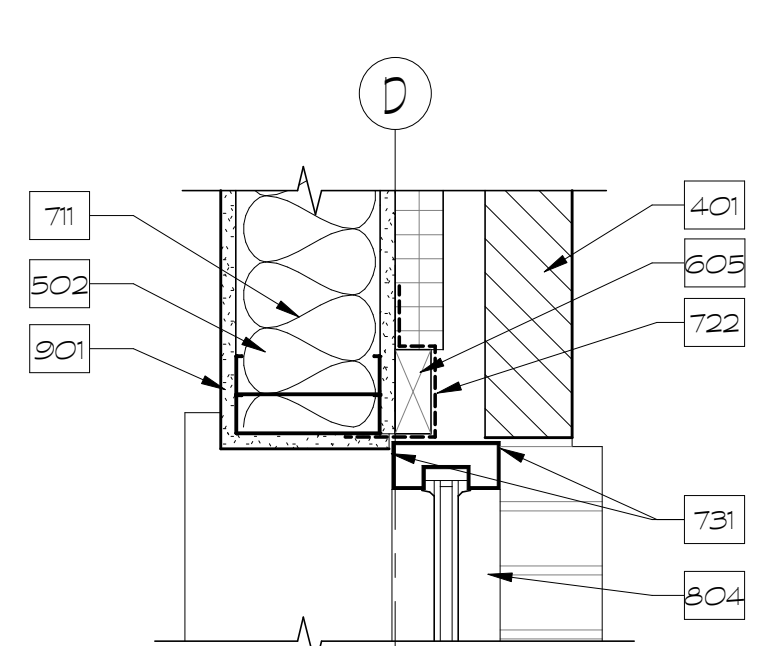
2 METAL CANOPY & ALUM SF HEAD
1 1/2" = 1'-0"



3 METAL PANEL ABOVE OHD
1 1/2" = 1'-0"

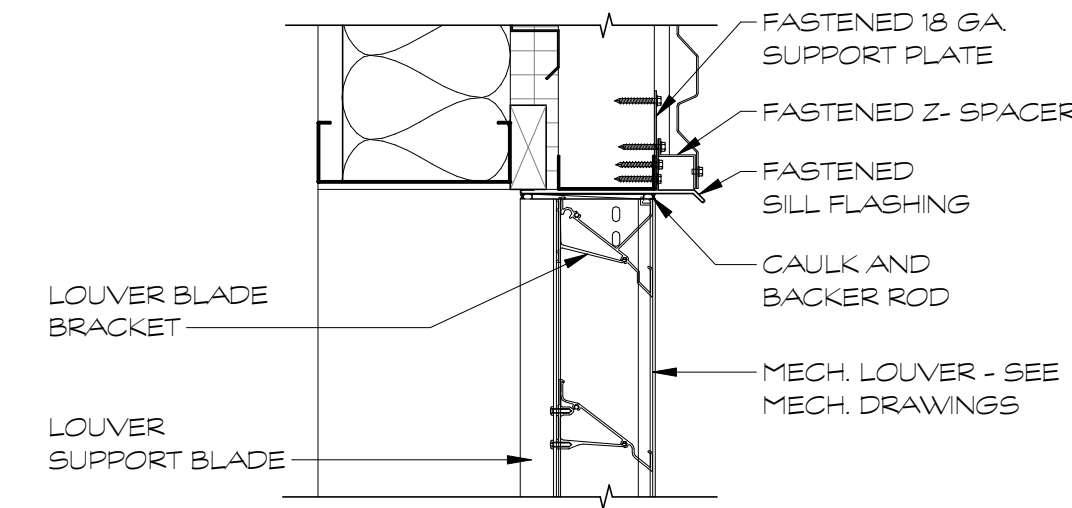


4 ALUM SF SILL
1 1/2" = 1'-0"

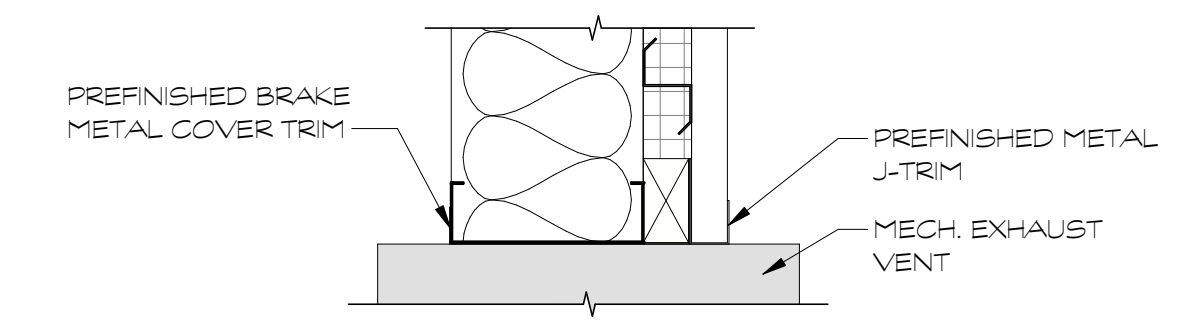


5 ALUM SF JAMB
1 1/2" = 1'-0"

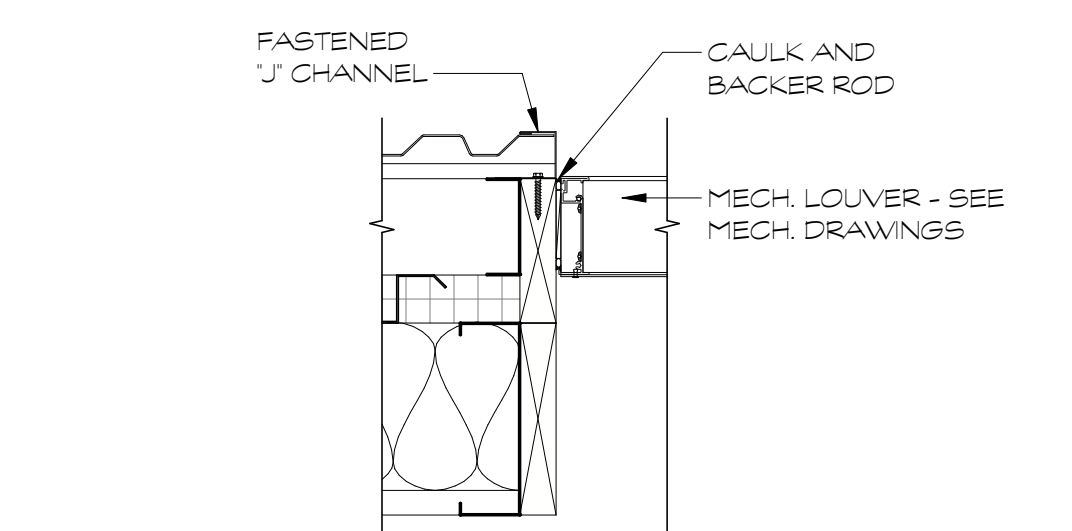
TRIM NOTE: PAINTED 1X SILLS AND TRIM TO HAVE ALL EXPOSED EDGES EASED WITH A 3/8" ROUNDOVER



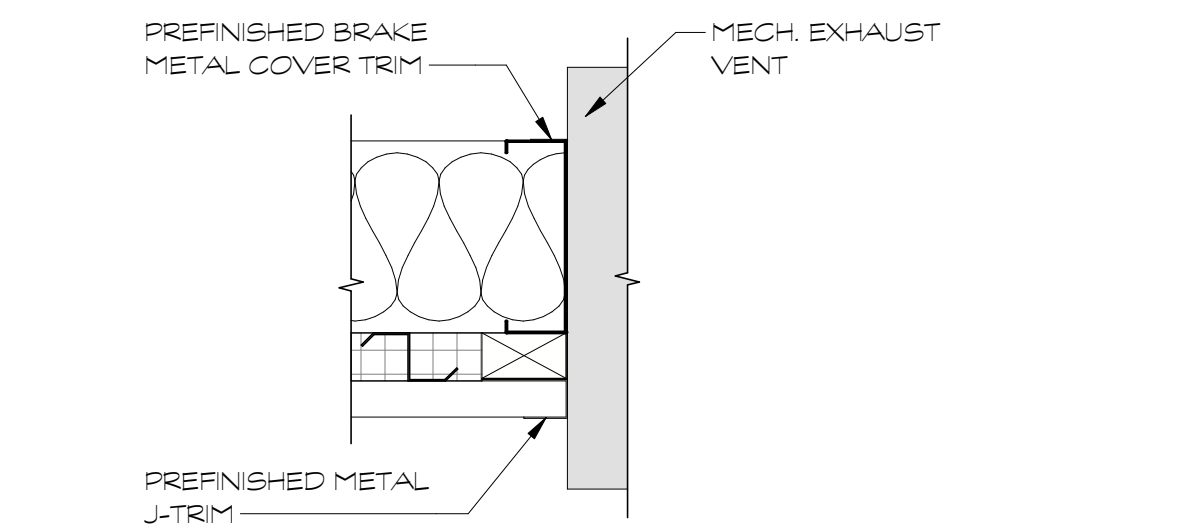
6 LOUVER HEAD DETAIL
1 1/2" = 1'-0"



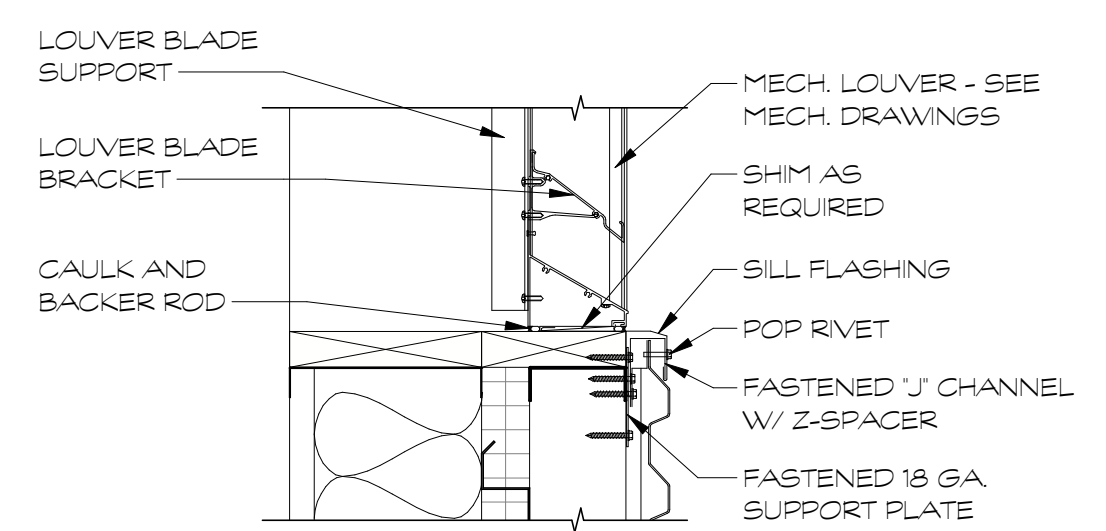
9 EXHAUST VENT HEAD DETAIL
1 1/2" = 1'-0"



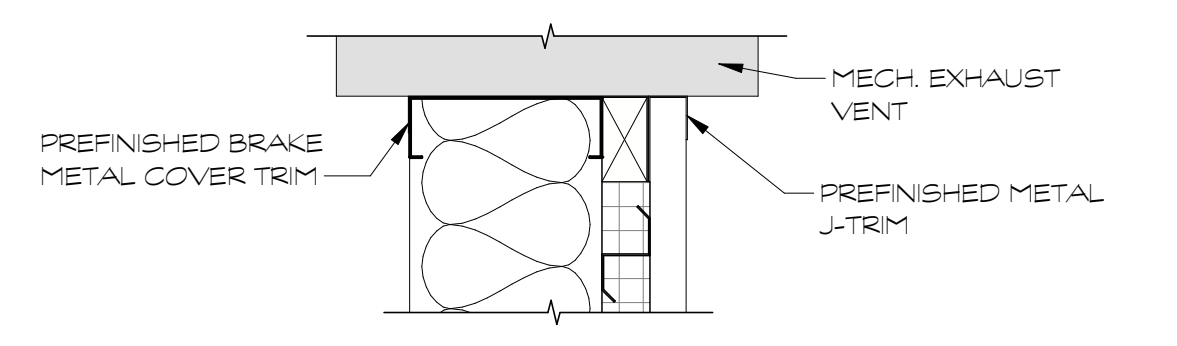
7 LOUVER JAMB DETAIL
1 1/2" = 1'-0"



10 EXHAUST VENT JAMB DETAIL
1 1/2" = 1'-0"



8 LOUVER SILL DETAIL
1 1/2" = 1'-0"



11 EXHAUST VENT SILL DETAIL
1 1/2" = 1'-0"

A6 NOTES	
No.	Note Text
401	BRICK VENEER - FIELD BRICK COLOR 1
402	BRICK VENEER RECESS - 3/4" - COLOR 2
408	SLOPED BRICK SILL
418	MORTAR NET - MIN 8'
502	6" METAL STUDS @ 16" O.C.
505	4" Z GRIT - VERTICAL - ATTACHED TO HORIZONTAL Z GRITS
506	PRE-FINISHED METAL CANOPY
509	2" Z GRIT - HORIZONTAL - ATTACHED TO CMU
515	COLD-FORMED FRAMING - SEE STRUCTURAL DRAWINGS
520	BRICK ANGLE - SEE STRUCTURAL DRAWINGS
523	CANOPY ANCHOR BOLT
524	3.31" X 3.31" X .25X EXTR. ALUM. CANOPY SUPPORT T BEAM
525	CANOPY HANGER ROD
527	METAL BUILDING PURLIN/GIRT - SEE METAL BLDG MFR DRAWINGS
528	METAL BUILDING INSULATED ROOF PANEL - SEE METAL BLDG MFR DRAWINGS
531	BREAK METAL CLOSURE - FINISH TO MATCH SIDING
603	5/8" GYPSUM SHEATHING
605	2X TREATED WOOD BLOCKING
609	(2) LAYERS OF 3/4" FIRE-RATED PLYWOOD
610	PAINTED WOOD 1x4 - EASE EXPOSED EDGES WITH A 3/8" ROUNDOVER
613	PAINTED WOOD 1x SILL - EASE EXPOSED EDGES WITH A 3/8" ROUNDOVER
701	2" RIGID INSULATION
702	WEATHER BARRIER
707	THRU-WALL FLASHING WITH WEEPS AT 32" O.C.
709	METAL BUILDING INSULATION - SEE METAL BLDG MFR DRAWINGS
711	BATT INSULATION - R-19
712	METAL BUILDING VAPOR RETARDER - SEE METAL BLDG MFR DRAWINGS
717	22 GA METAL WALL PANELS (HORIZONTAL) WITH CONCEALED CLIP FASTENERS - BASIS OF DESIGN: PAC-CLAD HWP
722	FLEXIBLE FLASHING
723	PRE-FINISHED METAL GUTTER - SEE METAL BLDG MFR DRAWINGS
727	METAL FLASHING
731	SEALANT
732	METAL PANEL SILL FLASHING
804	ALUMINUM STOREFRONT WINDOW
805	OVERHEAD DOOR
901	5/8" GWB
905	PAINTED 3/4" FIRE RETARDANT TREATED PLYWOOD
910	METAL BUILDING WALL SYSTEM PANEL - SEE METAL BLDG MFR DRAWINGS



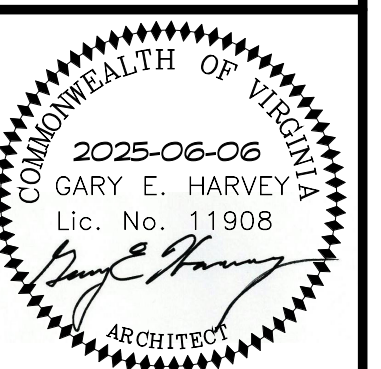
ARCHITECTURAL PARTNERS

10 9th Street
Lynchburg, Virginia 24504
phone: 434-846-8456
fax: 434-846-4534
architecturalpartners.com

BOTETOURT COUNTY
RMFDE - 911 COMPLEX

43 EASTPARK DRIVE, ROANOKE, VA 24019 PROJECT NO.: 24100

BID SET



DESIGNED: JVV, GEH
DRAWN: TMT
CHECKED: JMT
REVISIONS:

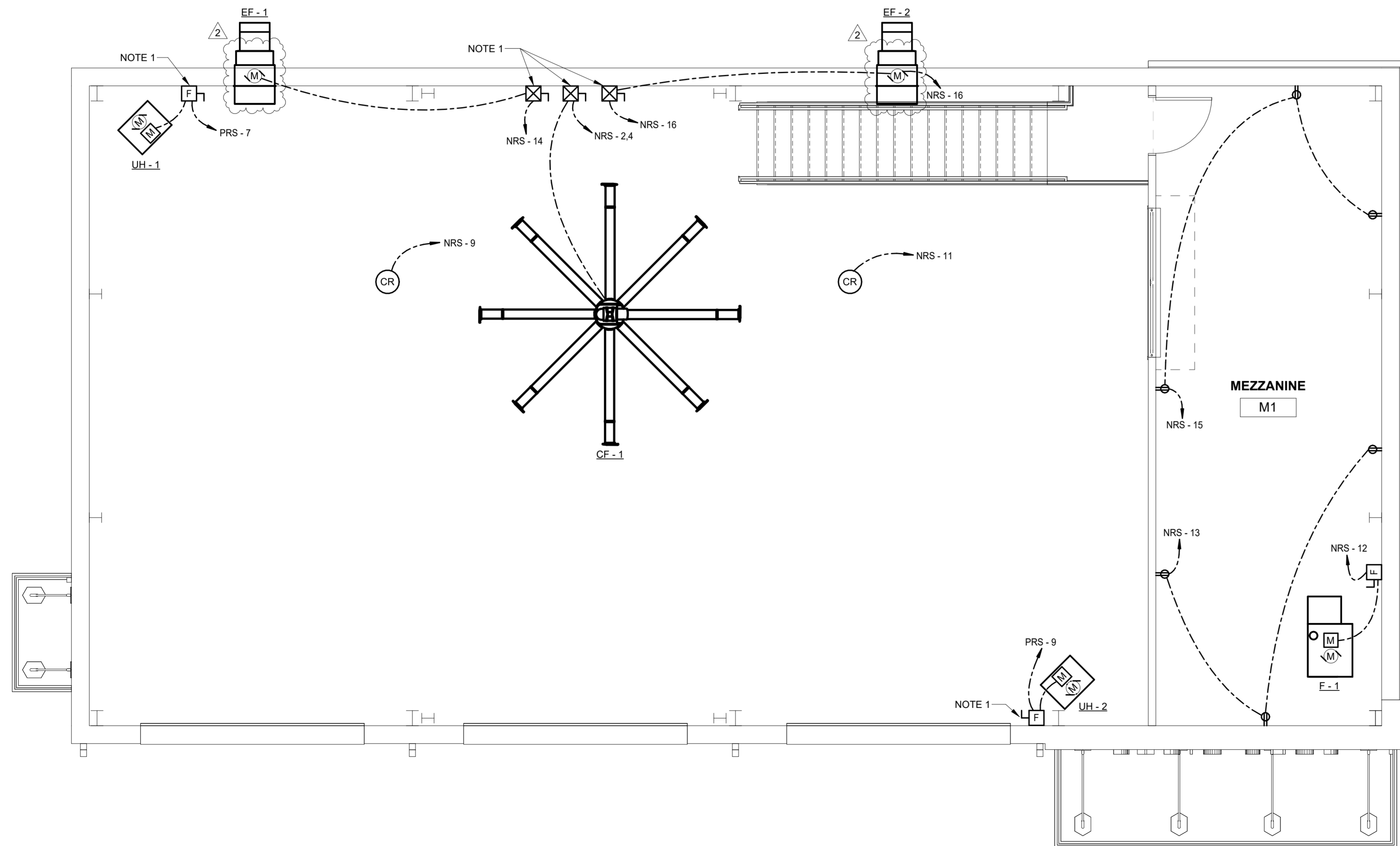
No.	Date
2	2025/07/01

DETAILS

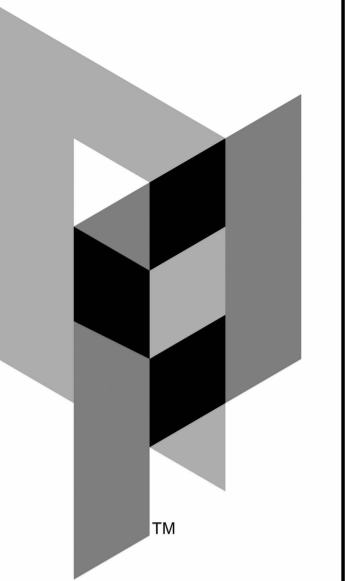
A6

NOTES (SHEET E5)

- 1. COMBINATION STARTERS AND DISCONNECTS SHALL BE ON FIRST FLOOR LEVEL MOUNTED 5' AFF.



1 MEZZANINE POWER PLAN
E5 1/4" = 1'-0"

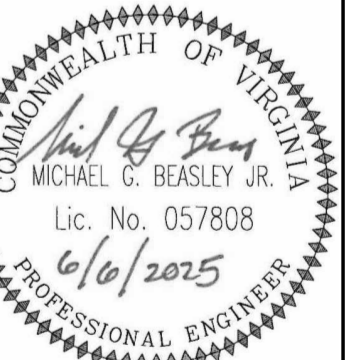


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BOTETOURT COUNTY
RMFDE - 911 COMPLEX
43 EASTPARK DRIVE, ROANOKE, VA 24019 PROJECT NO.: 24100

BID SET



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALES. INDUSTRY CONVENTIONS SHALL APPLY AND BE RESPONSIBLE FOR ALL INDUSTRY AND CONVENTIONS IN THE JOB AND THIS OFFICE MUST BE ADVISED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

DATE: 2025-06-06
DESIGNED: NAV/MGB
DRAWN: NAV
CHECKED: MGB
REVISIONS:

No.	Date
2	2025/07/01

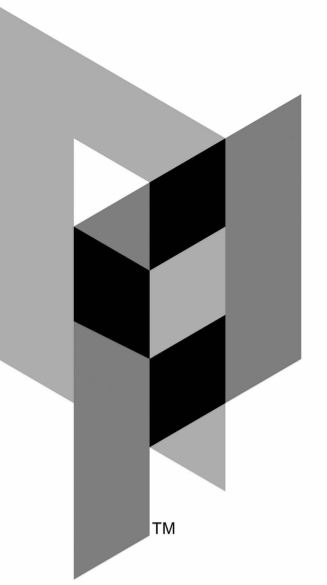
MEZZANINE POWER PLAN



MASTER ENGINEERS & DESIGNERS
904 Lakeside Drive, Lynchburg VA 24501
434-846-1350 Fax: 434-846-1351

E5

E5

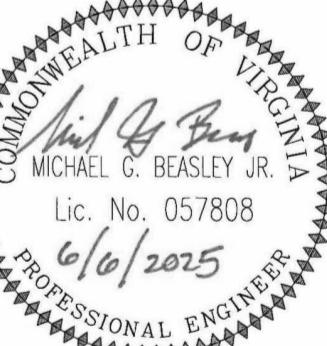


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architecturalpartners.com

BOTETOURT COUNTY
RMFDE - 911 COMPLEX
43 EASTPARK DRIVE, ROANOKE, VA 24019 PROJECT NO.: 24100

BID SET



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALE. ENGINEERS AND CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE ADVISED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

DATE: 2025-06-06
DESIGNED: MGB
DRAWN: TBC
CHECKED: MGB
REVISIONS:

No.	Date
2	2025/07/01

ONE LINE DIAGRAM

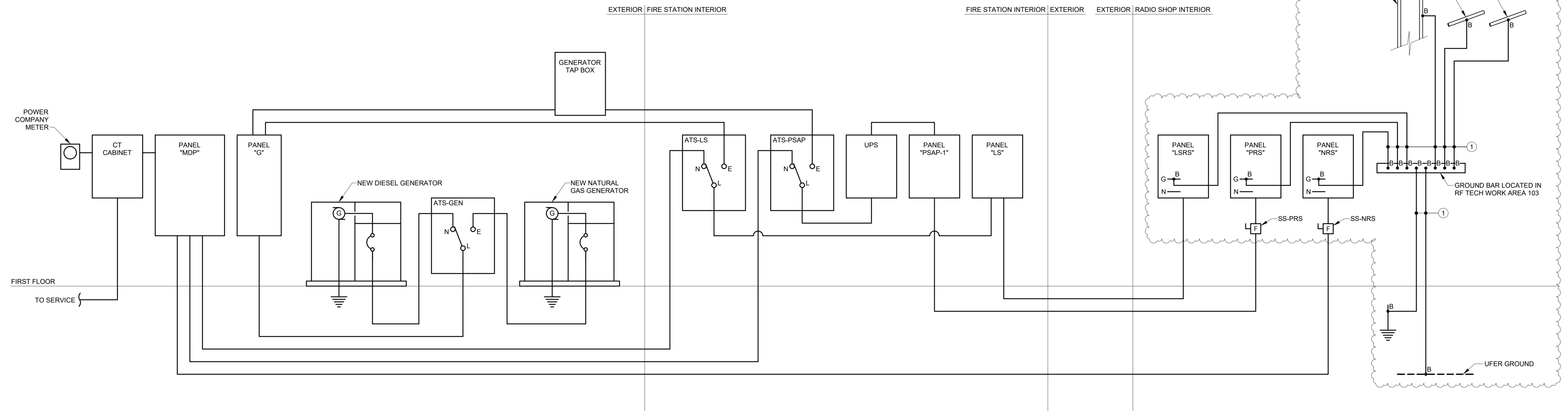
E6

NOTES (SHEET E6)

- ONE LINE DIAGRAM IS FOR RADIO SHOP INFORMATIONAL PURPOSES ONLY. SEE ONE LINE DIAGRAM AND PANEL SCHEDULES ON FIRE STATION DRAWINGS FOR COMPLETE WIRE SIZE, TYPE, AND FILL FOR PANELS OTHER THAN NRS, PRS, AND LSRS.

ONE LINE KEY (NOTE 1)

① #6 BCSD GEC



ONE LINE DIAGRAM

FINISH SCHEDULE

No.	Name	Base	Floor	Walls				Ceiling	Ceiling Ht	Remarks
				North	East	South	West			
FIRST FLOOR										
101	TRANSITION	EB-1	E-1	P.CMU	P.CMU	P.CMU	P.CMU	C2	8'-6"	BASE DETAIL 1/A1.20
102	DECON	EB-1	E-1	E-2	E-2	E-2	E-2 (EXIST)	C2	8'-6"	BASE DETAIL 2/A1.20
103	DECON SHOWER	EB-1	E-1	E-2	E-2	E-2	E-2	C2	8'-6"	BASE DETAIL 2/A1.20
104	DECON SHOWER ADA	EB-1	E-1	E-2	E-2	E-2	E-2	C2	8'-6"	BASE DETAIL 2/A1.20
105	TURNOUT GEAR	EB-1	E-1	P.CMU	P.CMU	P.CMU	P.CMU (EXIST)	C2	8'-6"	BASE DETAIL 1/A1.20
106	STORAGE	EB-1	E-1	P.CMU	P.CMU	P.CMU	P.CMU	C2	8'-6"	BASE DETAIL 1/A1.20
107	CORRIDOR	RB	POL/CONC	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
108	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
109	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
110	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
111	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
112	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
113	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
114	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
115	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
116	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
117	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
118	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
119	KITCHEN / DAYROOM	RB	POL/CONC	P.GWB/CT	P.GWB/CT	P.GWB/CT	P.GWB/CT	C3	9'-0"	CERAMIC TILE BACKSPLASH AT KITCHEN COUNTERS
120	SHOWER	---	PT-1/PT-1A	PT-2	PT-2	PT-2	PT-2	C2	9'-0"	TILE FULL HEIGHT TO CEILING
121	SHOWER	---	PT-1/PT-1A	PT-2	PT-2	PT-2	PT-2	C2	9'-0"	TILE FULL HEIGHT TO CEILING
122	TOILET	---	PT-1	PT-2	PT-2	PT-2	PT-2	C2	9'-0"	
123	CORRIDOR	RB	POL/CONC	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
124	SHOWER	---	PT-1/PT-1A	PT-2	PT-2	PT-2	PT-2	C2	9'-0"	TILE FULL HEIGHT TO CEILING
125	ADA SHOWER	---	PT-1/PT-1A	PT-2	PT-2	PT-2	PT-2	C2	9'-0"	TILE FULL HEIGHT TO CEILING
126	LAUNDRY / JAN	PTB-1	PT-1	P.GWB	P.GWB	P.GWB	P.GWB	C2	9'-0"	
128	STORAGE	RB	LVT	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
129	OPEN BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
129A	OPEN BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
129B	OPEN BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
129C	STORAGE	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
130	BUNK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
131	MECHANICAL	---	S.CONC	P.CMU	P.CMU	P.CMU	P.CMU	EXPOSED	---	
131B	STORAGE	---	S.CONC	P.CMU	P.CMU	P.CMU	P.CMU	EXPOSED	---	
132	CORRIDOR	RB	POL/CONC	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
51	STAR	RB	S.CONC	P.CMU	P.CMU	P.CMU	P.CMU	EXPOSED	---	
FIRST FLOOR WEST										
001	VESTIBULE	RB	WOC	P.GWB	P.GWB	P.GWB	P.GWB	C1		
002	STORAGE	RB	LVT	P.GWB	P.GWB	P.GWB	P.GWB	C1		
003	OFFICE	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1		
004	CORRIDOR	RB	LVT	P.GWB	P.GWB	P.GWB	P.GWB	C1		
005	WATCH DESK	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1		
006	TOILET	---	PT-1	PT-2	PT-2	PT-2	PT-2	C2		TILE FULL HEIGHT TO CEILING
007	STORAGE	---	PT-1	PT-2	PT-2	PT-2	PT-2	C2		TILE FULL HEIGHT TO CEILING
008	ADA TOILET	---	PT-1	PT-2	PT-2	PT-2	PT-2	C2		TILE FULL HEIGHT TO CEILING
009	GYM	RB	RSF	P.GWB	P.GWB	P.GWB	P.GWB	C1		
009A	EXISTING MECH.	---	EXIST.	P.GWB	P.GWB	P.GWB	P.GWB	C1		
010	EQUIPMENT	---	EXIST.	P.CMU	P.CMU	P.CMU	P.CMU	C1		
011	JAN	RB	EXIST.	P.GWB	P.GWB	P.GWB	P.GWB	C1		
012	STORAGE	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1		
013	TRAINING	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1		
014	CONFERENCE	RB	CPT-1	P.GWB	P.GWB	P.GWB	P.GWB	C1		
015	KITCHEN	RB	LVT	P.GWB	P.GWB	P.GWB	P.GWB	C1		
016	UTILITY	---	EXIST.	P.GWB	P.GWB	P.GWB	P.GWB	C1		
017	NEW MECHANICAL	RB	EXIST.	P.GWB	P.GWB	P.GWB	P.GWB	C1		
SECOND FLOOR										
201	LOBBY	RB	POL/CONC	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
201B	JAN	RB	POL/CONC	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
202	MULTIPURPOSE	RB	CPT-2	P.GWB	P.GWB	P.GWB	P.GWB	C3	9'-0"	
202B	STORAGE	RB	CPT-2	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
203	TOILET	---	PT-1	PT-2	PT-2	PT-2	PT-2	C2	9'-0"	TILE FULL HEIGHT TO CEILING
204	VESTIBULE	RB	POL/CONC	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
205	SECURE ENTRY	RB	POL/CONC	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
206	FLEX OFFICE	RB	CPT-2	P.GWB	P.GWB	P.GWB	P.GWB	C3	9'-0"	
207	STORAGE	RB	LVT	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
208	SERVER & COMM EQPT	RB	RAF-ESD	P.GWB	P.GWB	P.GWB	P.GWB	EXPOSED	9'-0"	RAISED ACCESS FLOOR- PREFINISHED WITH ESD VINYL TILE
209	MECH	RB	S.CONC	P.GWB	P.GWB	P.GWB	P.GWB	EXPOSED	9'-0"	
210	TOILET	---	PT-1	PT-2	PT-2	PT-2	PT-2	C2	9'-0"	TILE FULL HEIGHT TO CEILING
211	TOILET	---	PT-1	PT-2	PT-2	PT-2	PT-2	C2	9'-0"	TILE FULL HEIGHT TO CEILING
212	WELLNESS	RB	CPT-2	P.GWB	P.GWB	P.GWB	P.GWB	C3	9'-0"	RAISED ACCESS FLOOR
213	PSAP	RB	RAF-CPT	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	RAISED ACCESS FLOOR WITH ESD CARPET
214	WARRANT CLERK	RB	CPT-2	P.GWB	P.GWB	P.GWB	P.GWB	C3	9'-0"	
215	BREAK AREA	RB	POL/CONC	P.GWB	P.GWB	P.GWB	P.GWB	C1	9'-0"	
216	CAD SPECIALIST	RB	CPT-2	P.GWB	P.GWB	P.GWB	P.GWB	C3	9'-0"	RAISED ACCESS FLOOR / CONC SLAB
217	911 MANAGER	RB	CPT-2	P.GWB	P.GWB	P.GWB	P.GWB	C3	9'-0"	RAISED ACCESS FLOOR
218	OFFICE	RB	CPT-2	P.GWB	P.GWB	P.GWB	P.GWB	C3	9'-0"	RAISED ACCESS FLOOR

FINISH NOTES

ALL FINISH MATERIALS, PATTERNS, AND COLOR SELECTIONS TO BE DETERMINED BY ARCHITECT AND APPROVED BY OWNER. ALL MATERIALS LISTED ARE BASIS OF DESIGN. GENERAL CONTRACTOR TO FURNISH SAMPLES AS SPECIFIED OR APPROVED EQUAL.

A. **FLOORS** - SEE FINISH FLOOR PLANS A1.21 AND A1.22 FOR MATERIAL DESIGNATIONS.

- CARPET TILE (CPT)
- PT-1 - SHAWCONTRACT - LIGHT SERIES - VIBRANT TILE ST001 - 24" x 24"; ASHLAR INSTALLATION. COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLLECTION.
- PT-2 - SHAWCONTRACT - LIGHT SERIES - VIBRANT TILE ST001 - 24" x 24"; ASHLAR INSTALLATION. COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLLECTION.
- EPOXY (E)
- E-1 - STONHARD - STONSHIELD URT. COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLOR LINE.
- PORCELAIN TILE (PT)
- PT-1 - FLORIDA TILE - AURA 12' x 24'. INSTALLATION: STACK BOND. COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLLECTION.
- PT-1A - FLORIDA TILE - AURA MOSAIC M128. COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLLECTION. LOCATION: SHOWER FLOORS.
- POLISHED CONCRETE (POL/CONC) - CLASS B FINE AGGREGATE (SALT & PEPPER). INTEGRAL STAIN, LEVEL 2 SATIN FINISH (HONED). COLOR TO BE SELECTED BY ARCHITECT.
- SEALED CONCRETE (S.CONC) - TOPICAL SEALER.
- LUXURY VINYL TILE (LVT) - SHAWCONTRACT - COMPOUND 5.0 - 4077V. 24" x 24' FORMAT; ASHLAR INSTALLATION. COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLLECTION.
- RAISED ACCESS FLOORING (RAF) - BASIS OF DESIGN SYSTEM: TATE ALL STEEL 1250 PANEL - 24". THE FOLLOWING FINISH SELECTION IS TO BE INSTALLED OVER THE SYSTEM:
 - RAF-CPT - SHAW INDUSTRIES - STATIC SMART - ESD CARPET TILE - 24" x 24". COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLLECTION.
 - RAF-ESD - FACTORY LAMINATED ESD VINYL TILE - 0.80 STATIC DISSIPATIVE FORBO COLOREX. COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLLECTION.
 - RUBBER SPORTS FLOORING (RSF) - REGUPOL - AKTIVPLUS PREMIER 3/4" THICK ESSENTIAL TILE. COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLLECTION.

B. BASE

- RUBBER BASE (RB) - JOHNSONITE - DURACOVE - THERMOPLASTIC RUBBER BASE WITH TOE, 4" HIGH. COLOR(S) TO BE SELECTED BY ARCHITECT.
- EPOXY BASE (EB)
- EB-1 - STONHARD - STONSHIELD URT, 6" HIGH COVE WITH METAL TRANSITION STRIP. SEE DETAILS 1/A1.20 AND 2/A1.20 (BASED ON STONHARD TYPICAL DETAILS).
- PORCELAIN TILE BASE (PTB)
 - PTB-1 FLORIDA TILE - AURA - CUT TILE TO 4" HIGH AND CAP WITH SCHLUTER RONDEC TRIM. BASE TILE TO MATCH PT-1 SELECTION.

C. WALLS

- PAINTED GWB (P.GWB) - EG-SHEL/SATIN FINISH. SHERWIN WILLIAMS PAINT - COLORS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL COLOR RANGE.
- PAINTED CMU (P.CMU) - SMOOTH FINISH. SHERWIN WILLIAMS PAINT - COLORS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL COLOR RANGE.
- CERAMIC TILE (CT) - FLORIDA TILE - EMOTIVE 3' x 12, 1/3 OFFSET PATTERN INSTALLATION. COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLLECTION.
- PORCELAIN TILE (PT)
 - PT-2 - FLORIDA TILE - AURA 12' x 24'. INSTALLATION: STACK BOND (SEE ELEVATIONS ON SHEET A7.1). COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLLECTION.
 - PROVIDE SCHLUTER RONDEC (OR EQUAL) TRIM AT ALL OUTSIDE CORNER EDGES OF TILE.
 - PROVIDE SCHLUTER QUADEC (OR EQUAL) TRIM WHERE TILE IS TO MEET ACOUSTICAL LAY-IN CEILINGS.
- EPOXY (E)
 - E-2 - STONHARD - STONGLAZ VSE. COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLOR LINE.

D. CEILING

- C-1 - ARMSTRONG - FINE FISSURED - 24x24. ANGLED REGULAR TILE, 15/16" GRID.
- C-2 - ARMSTRONG - CERAMAGUARD FINE FISSURED - 24x24. SQUARE TILE, 15/16" GRID.
- C-3 - ARMSTRONG - OPTIMA- 24x24 TILE. SQUARE REGULAR TILE, 15/16" GRID.

E. CASEWORK

- CABINETS - PLASTIC LAMINATE (PLAM) - FORMICA
 - PLAM-1 - COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLOR LINE.
 - PLAM-2 - COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLOR LINE.
- COUNTERTOPS - SOLID SURFACE (SS) - CORIAN. COLORS SELECTED BY ARCHITECT FROM FULL COLOR LINE.
 - SS-1 - COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLOR LINE.
 - SS-2 - COLOR TO BE SELECTED BY ARCHITECT FROM FULL COLOR LINE.

F. STAIR S-1

- RUBBER TREADS/ TILE (RT) - JOHNSONITE - RAISED ROUND PROFILE. STAIR TREADS FOR VISUALLY IMPAIRED WITH SOLID COLOR RUBBER INSERT. COLOR(S) TO BE SELECTED BY ARCHITECT FROM FULL COLOR LINE.
- STEEL RISERS, CHANNELS, AND HANDRAILS TO BE PAINTED. COLOR SELECTION TO BE DETERMINED BY ARCHITECT.

G. FLOOR TRANSITIONS - SEE THRESHOLD DETAILS ON SHEET A6.2.

TRANSITIONS BELOW ARE SUGGESTED BASIS OF DESIGN. GC TO PROVIDE APPROPRIATE TRANSITIONS AT ALL CHANGES IN FLOOR MATERIALS.

- S-1 LVT (CONTINUOUS - NO TRANSITION)
- S-2 PT / LVT; MARBLE SADDLE - DA/TILE SINGLE HOLLYWOOD BEVEL 4" W x 3/8" L x 3/4" H
- S-3 LVT / POL/CONC; JOHNSONITE CTA-XX-J OR EQUAL
- S-4 POL/CONC (CONTINUOUS - NO TRANSITION)
- S-5 CPT (CONTINUOUS - NO TRANSITION)
- S-6 CPT / LVT (NONE REQUIRED - EQUAL HEIGHT)
- S-7 CPT / POL/CONC; JOHNSONITE CTA-XX-J OR EQUAL
- S-8 PT / CPT; SCHLUTER RENO-TK OR EQUAL
- S-9 PT / POL/CONC; SCHLUTER RENO-U OR EQUAL
- S-10 POL/CONC / EPOXY
- S-11 EPOXY (CONTINUOUS - NO TRANSITION)
- S-12 POL/CONC / S.CONC (NO TRANSITION)
- S-13 POL/CONC / RAF-ESD (ALUMINUM THRESHOLD)
- S-14 CONC; PAVER / CONC; PAVER
- S-15 RAF-CPT / CPT (INSTALLED ON RAISED ACCESS FLOOR - ALUMINUM THRESHOLD)
- S-16 RAF-CPT / CPT (ALUMINUM THRESHOLD)
- S-17 RAF-CPT / POL/CONC (ALUMINUM THRESHOLD)
- S-18 RAF-CPT / PT (ALUMINUM THRESHOLD)

H. CORNER GUARDS - GC TO PROVIDE CORNER GUARDS AT ALL EXPOSED GWB CORNERS

- JOHNSONITE VBS-XX, 2-3/8", 4-FT; INSTALL 6" A.F.F. COLOR TO BE SELECTED FROM MANUFACTURER'S FULL LINE OF COLORS.

GENERAL CONTRACTOR (GC) TO BE RESPONSIBLE FOR FINAL FINISH AND REPAIR

- ALL TRADES SHALL BE RESPONSIBLE FOR PATCHING, REPAIRING, AND REFINISHING ANY HOLES, CUTS, OR OTHER DAMAGE CAUSED TO THEIR WORK OR THE WORK OF OTHERS BY THEIR OWN ACTIONS.
- THE GC SHALL ENSURE THAT ALL SURFACES ARE LEFT SMOOTH, LEVEL, PLUMB, AND FREE FROM DAMAGE UPON COMPLETION OF EACH TRADES WORK.
- THIS INCLUDES, BUT IS NOT LIMITED TO, REPAIRING DRYWALL, PATCHING CONCRETE, REPLACING DAMAGED TILES, AND REFINISHING PAINT OR OTHER FINISHES.

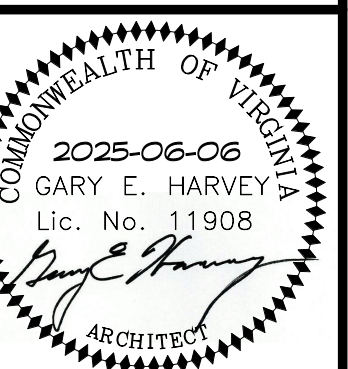


ARCHITECTURAL PARTNERS

10 9th Street
Lynchburg, Virginia 24504
phone: 434-846-8456
fax: 434-846-4534
architecturalpartners.com

BOTETOURT COUNTY
RMFDE - 911 COMPLEX
 43 EASTPARK DRIVE, ROANOKE, VA 24019
 PROJECT NO.: 24100

BID SET

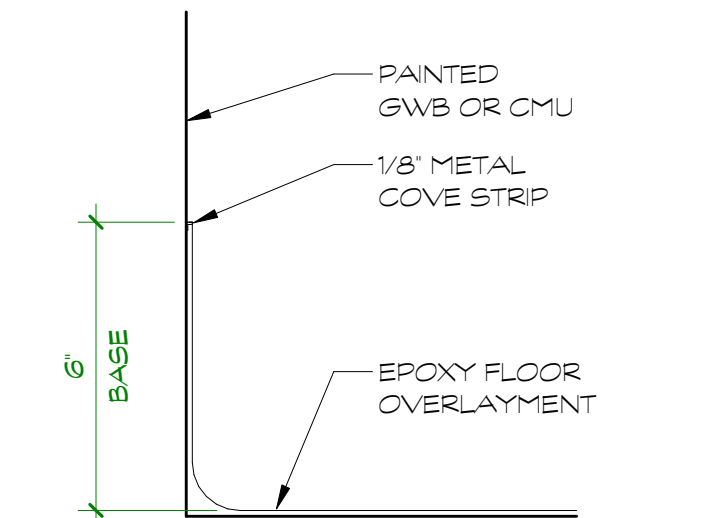


DESIGNED: GEH
DRAWN: TMT
CHECKED: GEH
REVISIONS:

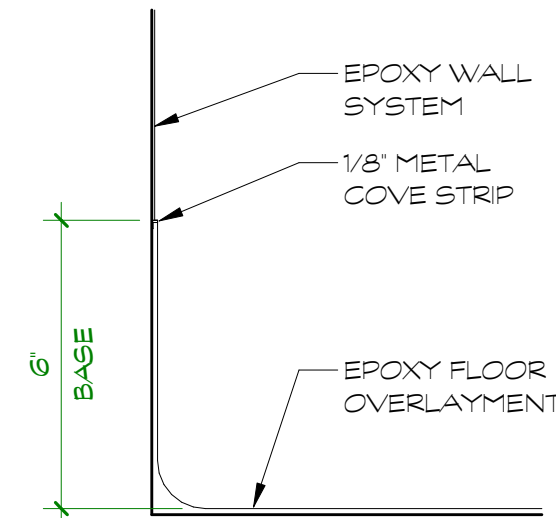
No.	Date
2	2025/07/01

FINISH SCHEDULE

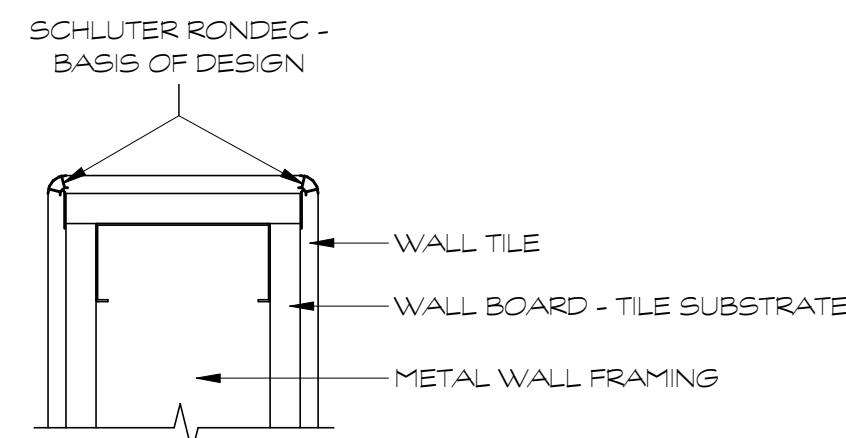
A1.20



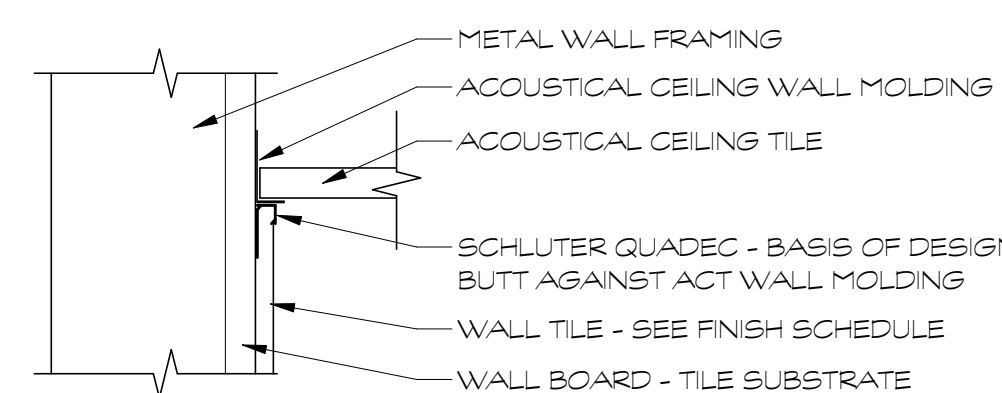
1 EPOXY COVE BASE DTL
A1.20 3' = 1'-0"



2 EPOXY COVE BASE DTL (TRANSITION)
A1.20 3' = 1'-0"



3 TILE OUTSIDE CORNER TYP.
A1.20 3' = 1'-0"



4 WALL TILE TO ACOUSTICAL CEILING TYP.
A1.20 3' = 1'-0"



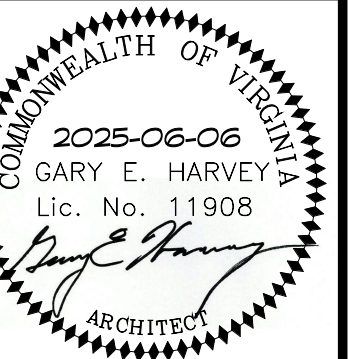
ARCHITECTURAL PARTNERS

10 9th Street
Lynchburg, Virginia 24504
phone: 434-846-8456
fax: 434-846-4534
architecturalpartners.com

BOTETOURT COUNTY
RMFDE - 911 COMPLEX

43 EASTPARK DRIVE, ROANOKE, VA 24019
PROJECT NO.: 24100

BID SET



DESIGNED BY: GEH
DRAWN: TMT
CHECKED: GEH

DATE: 2025-06-06
DESIGNED: GEH
DRAWN: TMT
CHECKED: GEH

REVISIONS:
No. Date
2 2025/07/01

WEST END
FIRST FLOOR
PLAN -
RENOVATED
AREA

A1.3

FIRST FLOOR WEST AREA

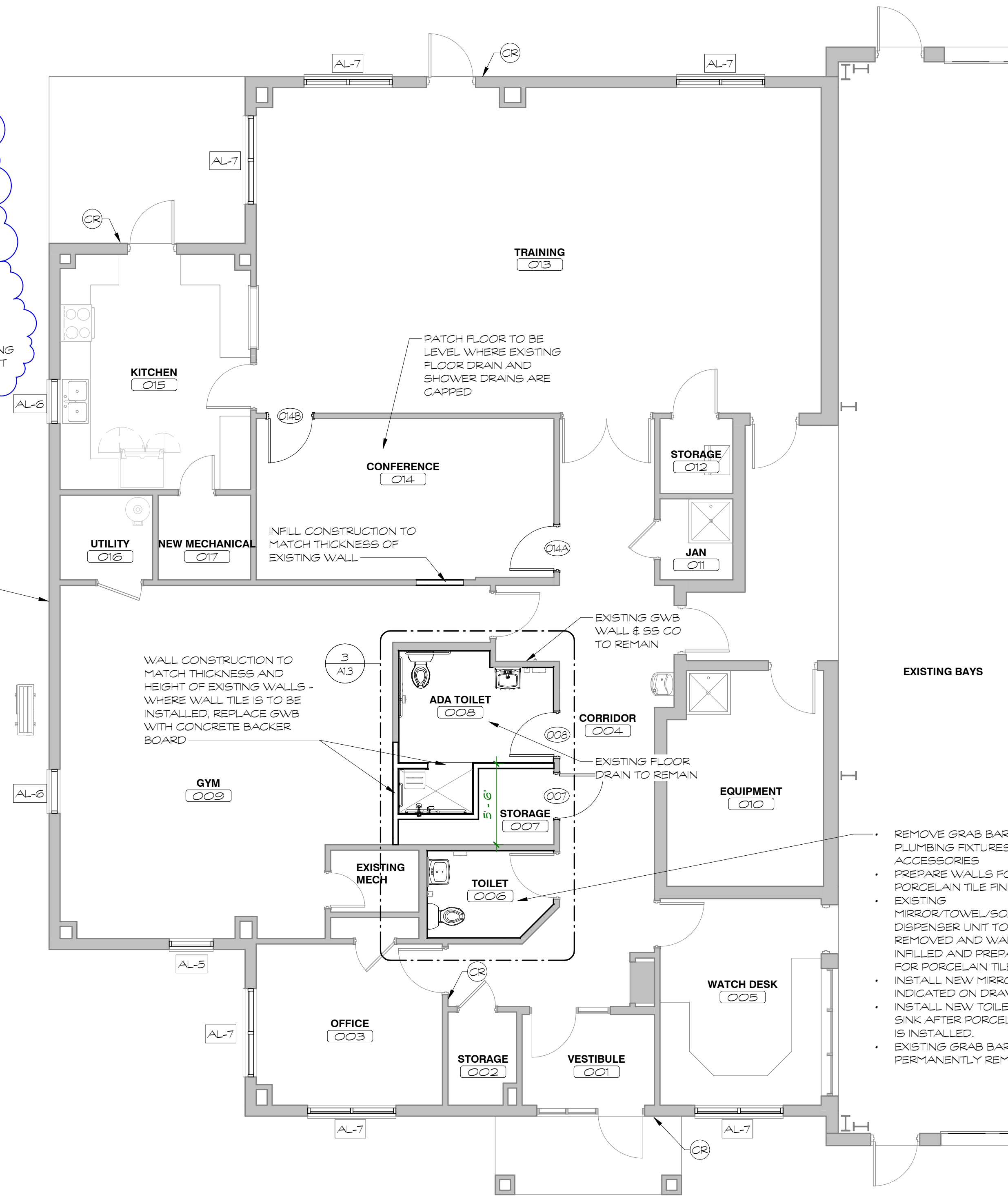
Rm No.	Room Name	Area
001	VESTIBULE	56 SF
002	STORAGE	28 SF
003	OFFICE	137 SF
004	CORRIDOR	326 SF
005	WATCH DESK	154 SF
006	TOILET	48 SF
007	STORAGE	36 SF
008	ADA TOILET	91 SF
009	GYM	536 SF
009A	EXISTING MECH.	25 SF
010	EQUIPMENT	152 SF
011	JAN	27 SF
012	STORAGE	25 SF
013	TRAINING	846 SF
014	CONFERENCE	221 SF
015	KITCHEN	205 SF
016	UTILITY	36 SF
017	NEW MECHANICAL	36 SF
Total Rooms: 18		2,986 SF

SECURITY DEVICES

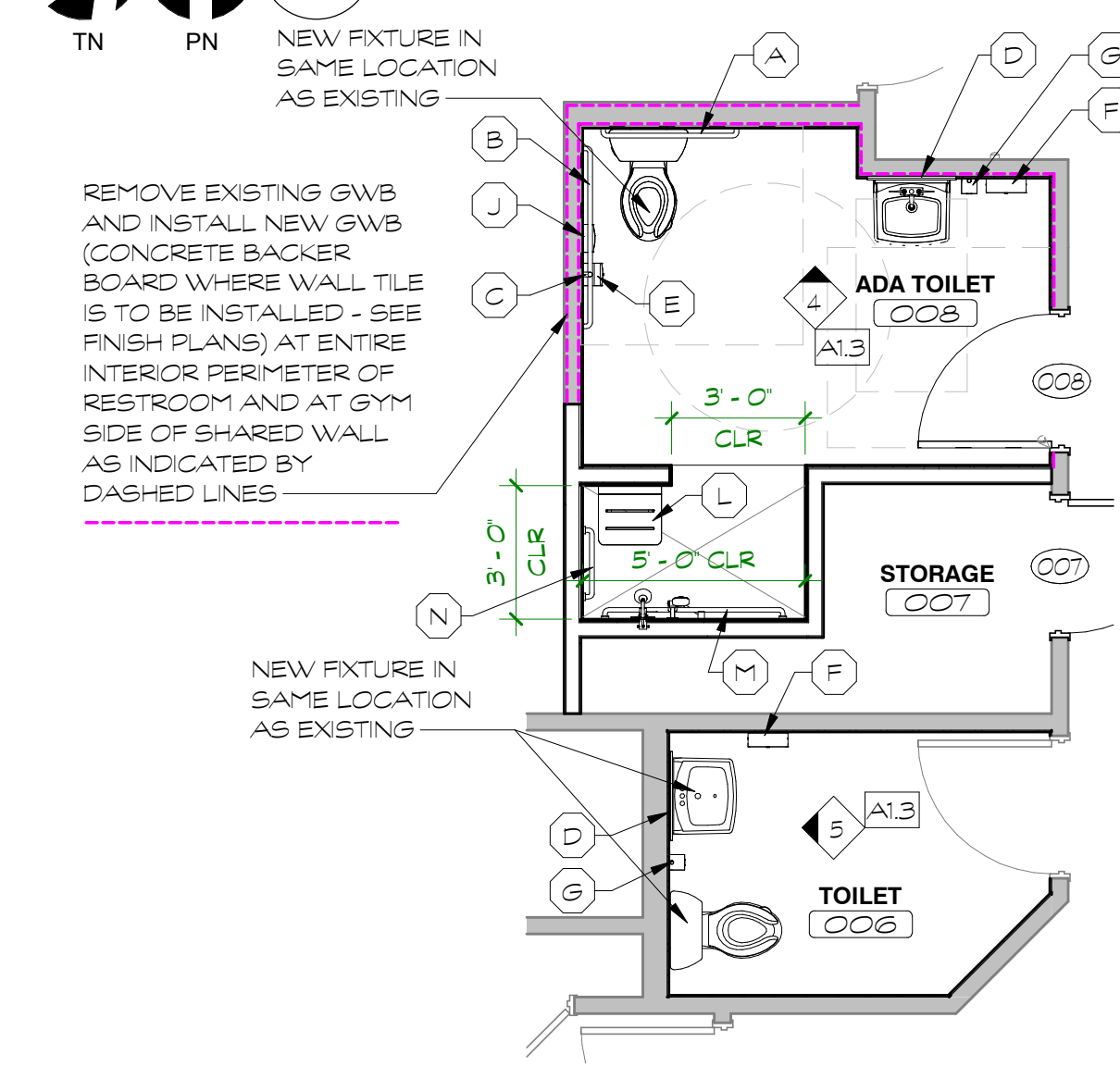
Designation	Device
CA	CAMERA
CR	CARD ACCESS - CARD READER
RC	REMOTELY CONTROLLED

EXISTING CARD READERS TO BE REPLACED AND TIED INTO NEW SECURITY SYSTEM

- EXISTING BAYS
- REMOVE GRAB BARS, PLUMBING FIXTURES, AND ACCESSORIES
 - PREPARE WALLS FOR NEW PORCELAIN TILE FINISH
 - EXISTING MIRROR/TOWEL/SOAP DISPENSER UNIT TO BE REMOVED AND WALL INFILLED AND PREPARED FOR PORCELAIN TILE FINISH
 - INSTALL NEW MIRROR AS INDICATED ON DRAWINGS
 - INSTALL NEW TOILET AND SINK AFTER PORCELAIN TILE IS INSTALLED
 - EXISTING GRAB BARS TO BE PERMANENTLY REMOVED



1 WEST END FIRST FLOOR PLAN - RENOVATED AREA
Scale: 3/16" = 1'-0"



3 ADA TOILET 008
Scale: 1/4" = 1'-0"

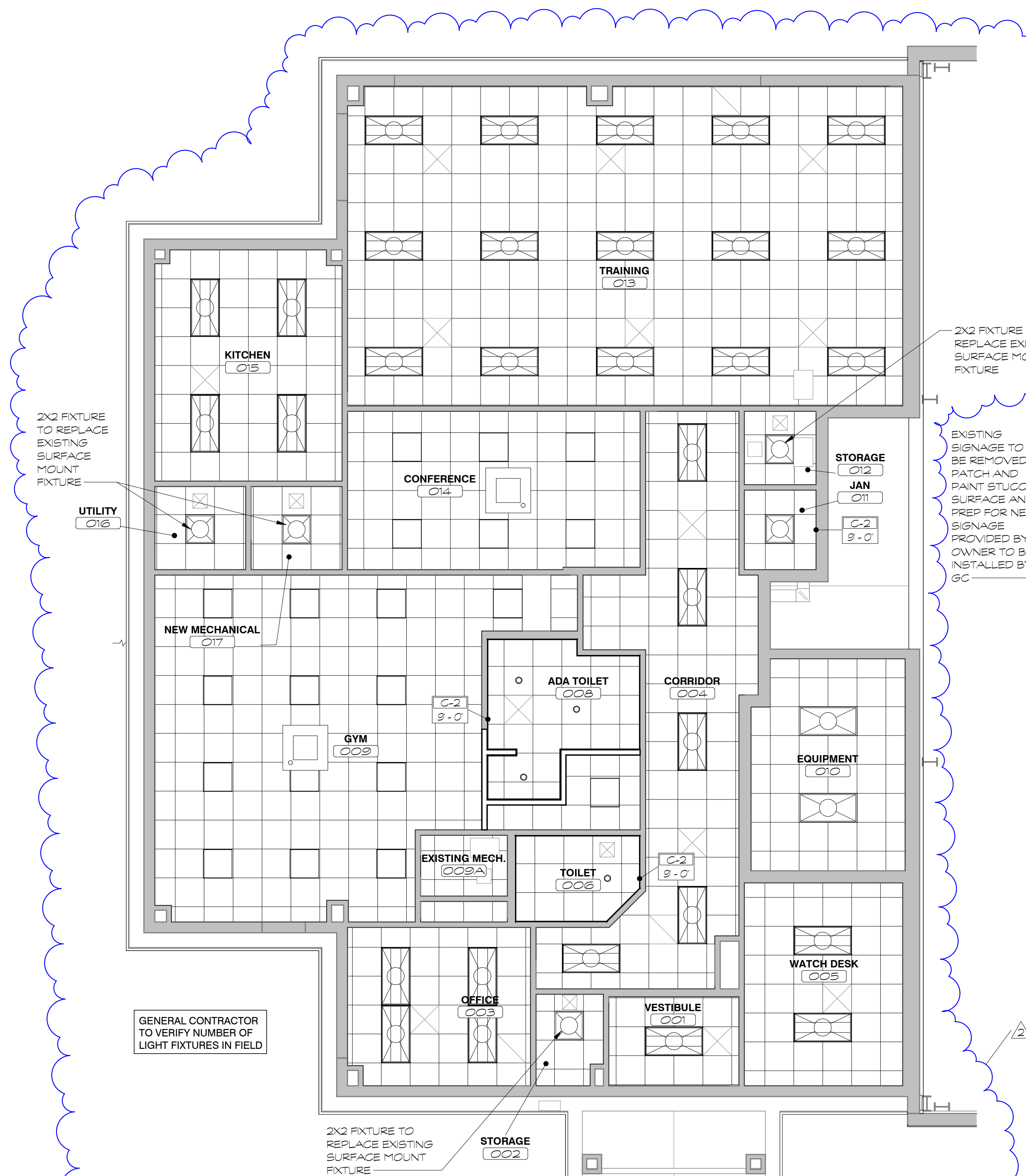
4 ADA TOILET 008 - N
Scale: 1/4" = 1'-0"

5 TOILET 006 - W
Scale: 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

- ALL INTERIOR DIMENSIONS ARE TO FACE OF CMU OR FACE OF FRAMING, UNLESS NOTED OTHERWISE
- ALL EXTERIOR DIMENSIONS ARE TO FACE OF BRICK, EDGE OF WINDOW/DOOR, OR COLUMN LINE, UNLESS NOTED OTHERWISE. DIMENSIONS TO OPENINGS ON SECOND FLOOR ARE TO FACE OF BRICK, NOT FACE OF SIDING.
- ALL NEW WALLS ARE TYPE 'A' UNLESS NOTED OTHERWISE. (SEE A1.0 FOR WALL TYPE DETAILS)
- ALL OUTSIDE CMU CORNERS TO BE BULLNOSED.

SEE A7.1 FOR TYPICAL RESTROOM FIXTURE DETAILS & ACCESSORY SCHEDULE



2 WEST END REFLECTED CEILING PLAN - RENOVATED AREA
Scale: 3/16" = 1'-0"

CEILING LEGEND

C-1	2x2 ACT CEILING
C-2	2x2 ACT CEILING - VINYL FACED

ALL CEILINGS ARE TYPE C-1 (9'-0" AFF) UNLESS NOTED OTHERWISE

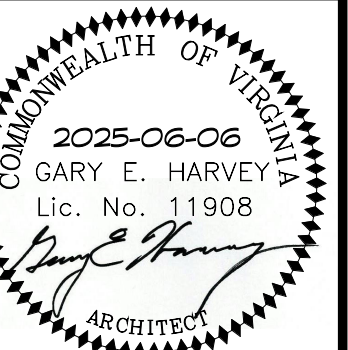


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BOTETOURT COUNTY
RMFDE - 911 COMPLEX
43 EASTPARK DRIVE, ROANOKE, VA 24019
PROJECT NO.: 24100

BID SET



DATE: 2025-06-06
DESIGNED: AAA
DRAWN: AAA
CHECKED: AAA
REVISIONS:

No. Date
1 2025/06/13
2 2025/07/01

DOOR SCHEDULE AND DOOR, FRAME, & ALUM TYPES

A6.1

DOOR SCHEDULE

Table with columns: No., Pair, Width, Height, Thickness, Material, Type, Frame Material, Frame Type, Closer, Egress Hardware, Fire Rating, Glazing, Hardware Set, Head, Jamb, Sill, Remarks. Rows include 101A-101C, 102A-102B, 103, 104, 105, 106A-106B, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119A-119C, 120, 121, 122, 124, 125, 126, 128A-128B, 129, 129A-129C, 130, 131A-131B, S1-1.

Table with columns: No., Width, Height, Thickness, Material, Type, Frame Material, Frame Type, Closer, Egress Hardware, Fire Rating, Glazing, Hardware Set, Head, Jamb, Sill, Remarks. Rows include 007, 008, 014A, 014B.

Table with columns: No., Width, Height, Thickness, Material, Type, Frame Material, Frame Type, Closer, Egress Hardware, Fire Rating, Glazing, Hardware Set, Head, Jamb, Sill, Remarks. Rows include 201, 201B, 202A, 202B, 203, 204, 205A, 205B, 206, 207, 208, 209, 210, 211, 212, 213A, 213B, 214, 215, 216, 217, 218, S1-2A, S1-2B.

TOTAL DOORS: 69

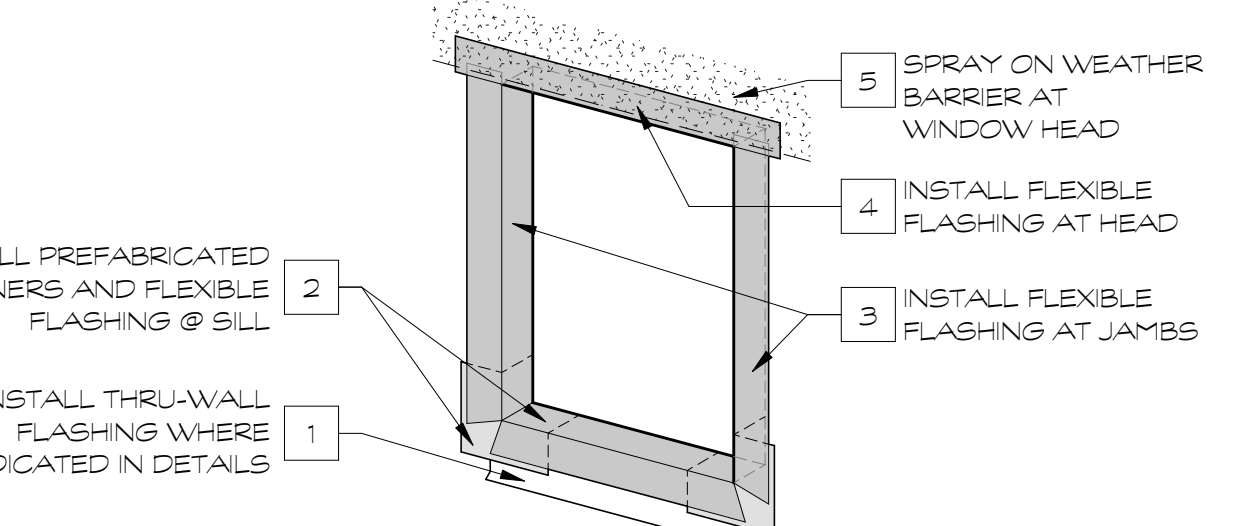
HARDWARE SCHEDULE: SEE HARDWARE SCHEDULE FOR HARDWARE SETS

BULLET RESISTANT APPLICATIONS: SEE A2.1 FOR LOCATIONS OF BULLET RESISTANT GLAZING/FRAMING AT EXTERIOR WINDOWS. BULLET RESISTANT GLAZING TO BE ~2" THICK. BULLET RESISTANT FRAMES TO BE 6" x 2.5" - SEE SPECIFICATIONS. BULLET RESISTANT AND STANDARD FRAMES WILL HOLD THE SAME EXTERIOR LINE (3" FROM FACE OF BRICK)

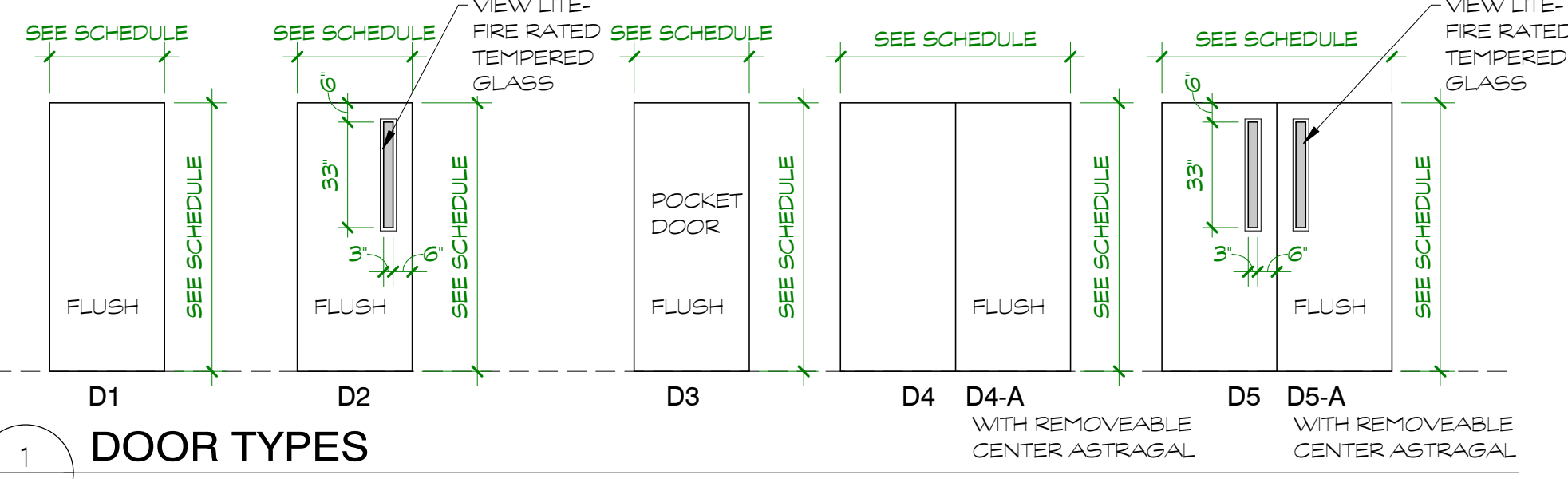
AL-2, AL-3: SEE HEAD, JAMB, SILL DETAILS: FIRST FLOOR (BRICK VENEER) - 4/A6.3, 5/A6.3, 6/A6.3 SECOND FLOOR (METAL PANELS) - 7/A6.3, 8/A6.3, 9/A6.3

AL-4: SEE HEAD, JAMB, SILL DETAILS: 10/A6.3, 11/A6.3, & 12/A6.3

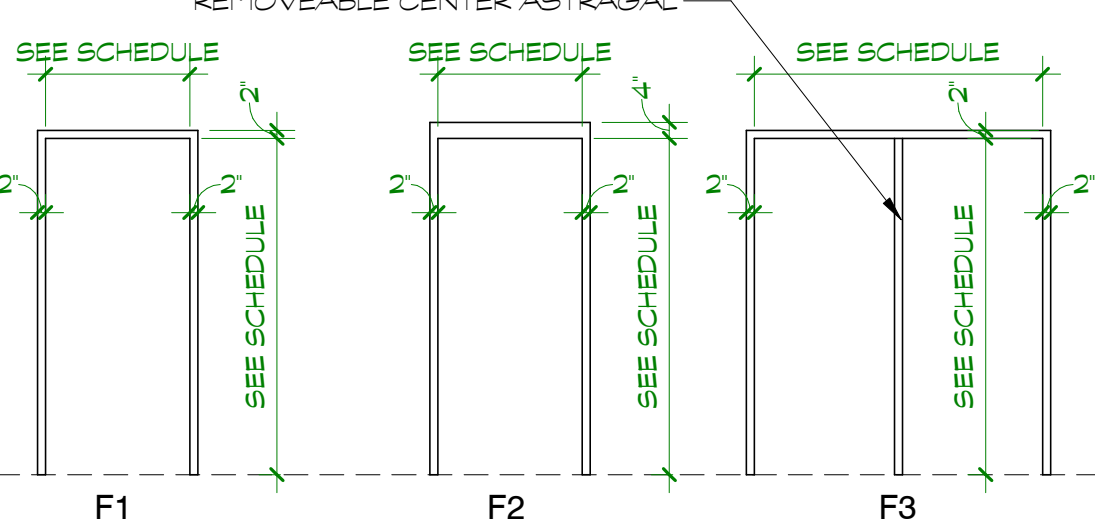
AL-5, AL-6, AL-7: SEE HEAD, JAMB, SILL DETAILS: 15/A6.3 & 16/A6.3



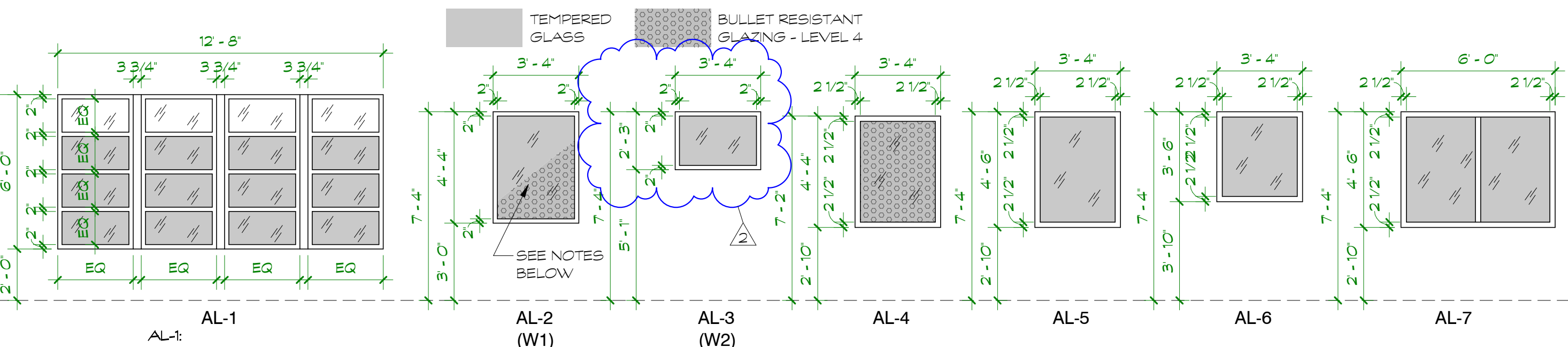
OPENING FLASHING DIAGRAM - NTS



DOOR TYPES

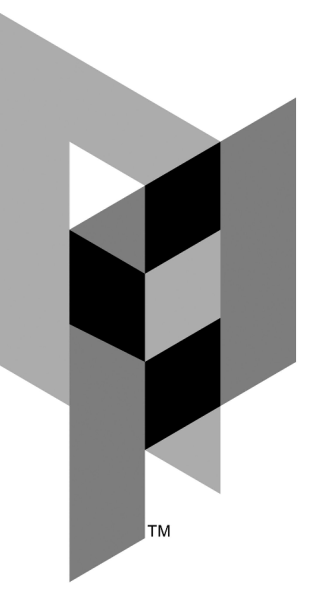


FRAME TYPES



ALUM STOREFRONT TYPES

6/30/2025 2:48:00 PM



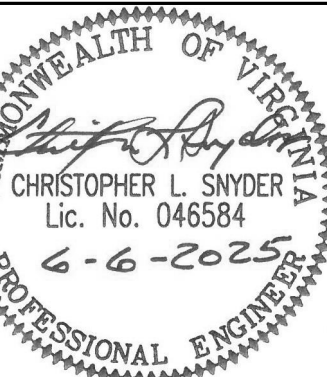
ARCHITECTURAL PARTNERS

10 9th Street
Lynchburg, Virginia 24504
phone: 434-846-8456
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43 EASTPARK DRIVE, ROANOKE, VA 24019 PROJECT NO.: 24100

BID SET



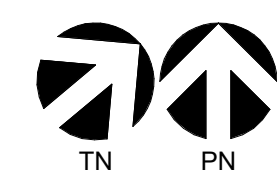
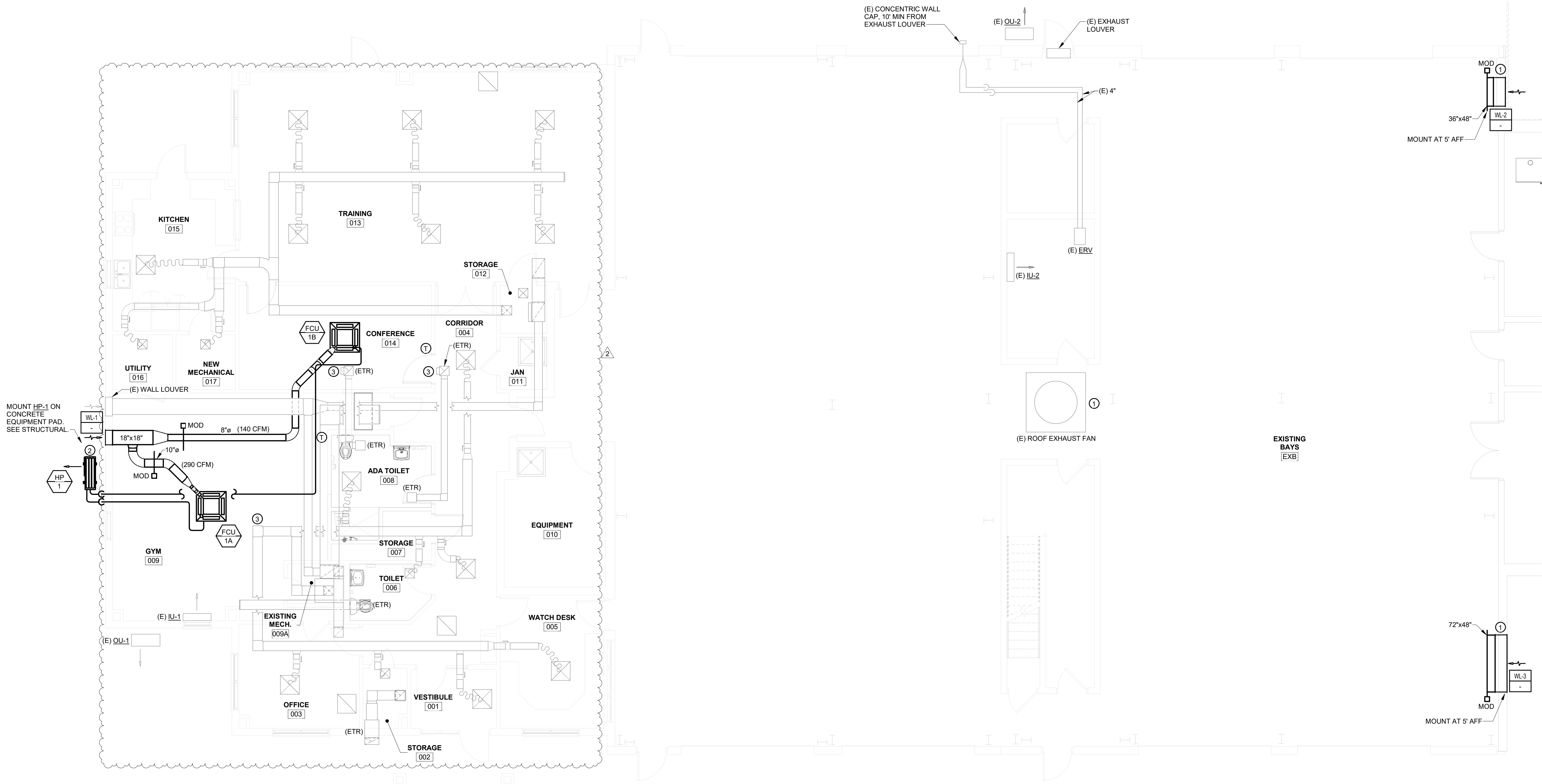
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DATE: 2025-06-06
DESIGNED: CLS/ETO
DRAWN: ETO
CHECKED: CLS
REVISIONS:

No.	Date
2	2025/07/01

HVAC WEST END NEW WORK FLOOR PLAN

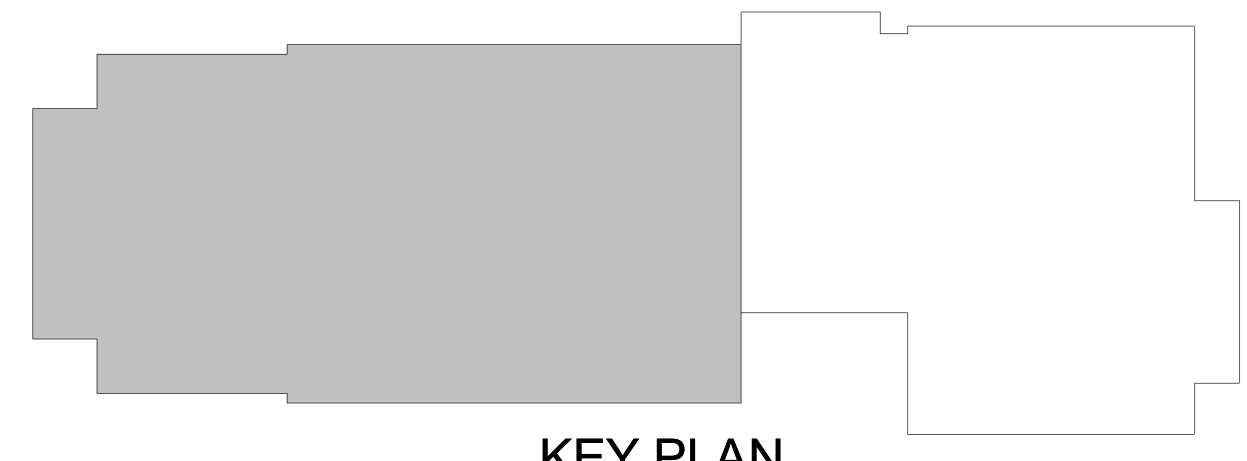
M2.0



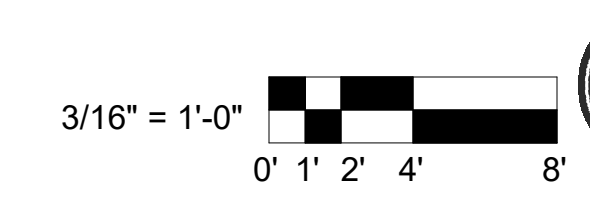
1 HVAC WEST END NEW WORK FLOOR PLAN
M2.0 3/16" = 1'-0"

PLAN NOTES

- ① INTERLOCK LOUVER MOTOR OPERATED DAMPERS WITH LARGE ROOF EXHAUST FAN. WL-2 SHALL BE 36" WIDE BY 48" HIGH, AND WL-3 SHALL BE 72" WIDE BY 48" HIGH.
- ② DRAIN CONDENSATE FROM FCU-1A AND FCU-1B TO SPLASH BLOCK AT GRADE.
- ③ CAP DUCT WHERE INDICATED. RE-INSULATE AS REQUIRED.



KEY PLAN



MASTER ENGINEERS & DESIGNERS
904 Lakeside Drive, Lynchburg VA 24501
434-846-1350 Fax: 434-846-1351

ES

AIR DISTRIBUTION SCHEDULE							
MARK	MODEL	NECK SIZE	MOUNTING	MATERIAL	COLOR	MAX NC	REMARKS
CD-1	SCD	6"ø	LAY-IN	ALUMINUM	WHITE	25	1,2
CD-2	SCD	8"ø	LAY-IN	ALUMINUM	WHITE	25	1,2
CD-3	SCD	10"ø	LAY-IN	ALUMINUM	WHITE	25	1,2
CD-4	SCD	12"ø	LAY-IN	ALUMINUM	WHITE	25	1,2
CD-5	SCD-FR	6"ø	LAY-IN	ALUMINUM	WHITE	25	1,2,7
CD-6	SCD-FR	8"ø	LAY-IN	ALUMINUM	WHITE	25	1,2,7
FG-1	AL-24	24"x24"	FLOOR	ALUMINUM	GREY	25	2,5,6
RG-1	PDDR	6"ø	LAY-IN	ALUMINUM	WHITE	25	1,2
RG-2	PDDR	8"ø	LAY-IN	ALUMINUM	WHITE	25	1,2
RG-3	PDDR	10"ø	LAY-IN	ALUMINUM	WHITE	25	1,2
RG-4	PDDR	12"ø	LAY-IN	ALUMINUM	WHITE	25	1,2
RG-5	PDDR	14"ø	LAY-IN	ALUMINUM	WHITE	25	1,2
RG-6	PDDR	22"x22"	LAY-IN	ALUMINUM	WHITE	25	1,2
RG-7	PDDR	22"x46"	LAY-IN	ALUMINUM	WHITE	25	1,3
RG-8	530	8"x6"	SURFACE	STEEL	WHITE	25	1
RG-9	530	18"x10"	SURFACE	STEEL	WHITE	25	1
RG-10	630DAL	30"x32"	SURFACE	ALUMINUM	WHITE	35	1,4
SG-1	510	6"x4"	SURFACE	STEEL	WHITE	25	1
SG-2	510	8"x4"	SURFACE	STEEL	WHITE	25	1
SG-3	510	16"x10"	SURFACE	STEEL	WHITE	25	1
TG-1	STG	16"x10"	SURFACE	STEEL	WHITE	25	1

REMARKS:

- MODEL NUMBER BASED ON PRICE INDUSTRIES.
- WITH 24"x24" GRILLE OR DIFFUSER.
- WITH PLENUM RETURN, 48"x24" FACE MODULE.
- PROVIDE WITH OPPOSED BLADE DAMPER.
- MODEL NUMBER BASED ON DIRECTAIRE BY TATE ACCESS FLOORS, INC.
- DIE CAST ALUMINUM CONSTRUCTION AND SMOKE GREY ANTI-STATIC POWDER COAT FINISH.
- PROVIDE WITH FIRE-RATED CONSTRUCTION ASSEMBLY.

FAN SCHEDULE										
MARK	MODEL NUMBER	CFM	SP in Wg	WATTS/HP	SONES	DRIVE	RPM	V/Ph/Hz	REMARKS	
EF-10-1	CSP-A390-VG	300	0.25	51 W	1.3	DIRECT	1160	115/1/60	1,2,4	
EF-10-2	CSP-A125	95	0.25	48 W	0.3	DIRECT	955	115/1/60	1,2,4	
EF-10-3	SP-A200	120	0.25	19 W	1.1	DIRECT	654	115/1/60	1,2,3	
EF-10-4	SP-A200	120	0.25	19 W	1.1	DIRECT	654	115/1/60	1,2,3	
EF-11-1	SP-A200	120	0.25	19 W	1.1	DIRECT	654	115/1/60	1,2,3	
EF-11-2	SP-A200	120	0.25	19 W	1.1	DIRECT	654	115/1/60	1,2,3	
EF-11-3	SP-A200	120	0.25	19 W	1.1	DIRECT	654	115/1/60	1,2,3	
EF-11-4	SP-A200	120	0.25	19 W	1.1	DIRECT	654	115/1/60	1,2,3	
EF-11-5	SP-B90	70	0.25	19 W	1.3	DIRECT	694	115/1/60	1,2,3	
EF-11-6	SP-B70	50	0.25	15 W	1	DIRECT	659	115/1/60	1,2,3	
EF-11-7	CUE-099-A	500	1.0	1/4 HP	9.1	DIRECT	1625	115/1/60	1,5,6,7	
EF-11-8	CUE-099-A	500	1.0	1/4 HP	9.1	DIRECT	1625	115/1/60	1,5,6,7	
EF-20-1	SP-B90	70	0.25	19 W	1.3	DIRECT	694	115/1/60	1,2,3	
EF-20-2	SP-B90	70	0.25	19 W	1.3	DIRECT	694	115/1/60	1,2,3	
EF-20-3	SP-B90	70	0.25	19 W	1.3	DIRECT	694	115/1/60	1,2,3	
EF-20-4	SP-B70	50	0.25	15 W	1	DIRECT	659	115/1/60	1,2,3	
EF-20-5	CUE-099-A	500	1.0	1/4 HP	9.1	DIRECT	1625	115/1/60	1,5,6,7	

REMARKS:

- MODEL NUMBER BASED ON GREENHECK.
- PROVIDE WITH BACKDRAFT DAMPER, PREWIRED DISCONNECT SWITCH, INTEGRAL OVERLOAD PROTECTION, AND UNIT-MOUNTED SPEED CONTROLLER.
- FAN SHALL BE INTERLOCKED WITH LIGHT SWITCH SUCH THAT FAN OPERATES WHENEVER ROOM IS OCCUPIED.
- FAN SHALL BE CONTROLLED BY DDC SYSTEM TO RUN WHENEVER RTU-10 SYSTEM IS IN OCCUPIED MODE.
- PROVIDE WITH PREWIRED DISCONNECT SWITCH AND FIELD WIRE LOAD-CARRYING CONTACTOR FOR FAN ACTIVATION AT HOOD USER INTERFACE.
- FAN SHALL HAVE UL762 RATING. CURRENT EQUIVALENT SUBJECT 300A.
- FAN SHALL BE INTERLOCKED WITH KITCHEN RANGE HOOD SUCH THAT FAN OPERATES WHENEVER HOOD IS TURNED ON.

RELIEF VENT SCHEDULE				
MARK	MODEL NUMBER	DUTY	SIZE	REMARKS
RV-10	FGR-22x22	EXHAUST AIR	22"x22" THROAT & 32"x36"x19" HOOD	1,2,3

REMARKS:

- MODEL NUMBER BASED ON GREENHECK.
- PROVIDE WITH INSULATED ROOF CURB. MATCH SLOPE WITH ROOF SLOPE. CURB TO BE MINIMUM OF 14". HOWEVER, HEIGHT SHALL BE SUFFICIENT TO PLACE BOTTOM OF UNIT 8" ABOVE ROOF SURFACE. SEE ARCHITECTURAL FOR ROOF CURB INFORMATION.
- FURNISH WITH BIRDSCREEN AND MOTOR OPERATED DAMPER.

LOUVER SCHEDULE					
MARK	DUTY	MODEL	SIZE	CFM	REMARKS
WL-1	OA TO FCU-1A/1B	ELF-375DX	18"x18"	430	1,2,3,4
WL-2	OA TO EXISTING BAYS EXB	ELF-375DX	36"x48"	3600	1,2,3,5
WL-3	OA TO EXISTING BAYS EXB	ELF-375DX	72"x48"	8400	1,2,3,5

REMARKS:

- MODEL NUMBER BASED ON RUSKIN.
- FURNISH AND INSTALL BIRDSCREEN.
- PROVIDE WITH 120V DAMPER ACTUATOR.
- INTERLOCK WITH FCU-1A/1B.
- INTERLOCK WITH (E) ROOF EXHAUST FAN IN EXISTING BAYS EXB.

CRAC UNIT SCHEDULE									
MARK	AREA SERVED	MODEL NUMBER	FAN CFM	NOM COOLING TONS	COOLING SEN MBH	COOLING EAT db/wb	REHEAT KW	V/Ph/Hz	REMARKS
CRAC-1A	SERVER & COMM EQPT 208	DS070AD	9600	19.67	188	75/62.6	12	208-230/3/60	1,2,3,4,5
CRAC-1B	SERVER & COMM EQPT 208	DS070AD	9600	19.67	188	75/62.6	12	208-230/3/60	1,2,3,4,5
CRAC-2A	PSAP 213	PX023DA1"D	3500	6.25	65.9	72/58.7	25	208-230/3/60	1,2,3,4,6
CRAC-2B	PSAP 213	PX023DA1"D	3500	6.25	65.9	72/58.7	25	208-230/3/60	1,2,3,4,6

REMARKS:

- MODEL NUMBER BASED ON LIEBERT.
- PROVIDE WITH HUMIDIFIER.
- PROVIDE WITH CONDENSATE PUMP.
- PROVIDE WITH DRAIN TEMPERING VALVE. SEE SHEET P3.1.
- WITH 3 STAGE REHEAT CONTROL.
- WITH 2 STAGE REHEAT CONTROL.

ELECTRIC HEATER SCHEDULE					
MARK	MODEL	CFM	WATTS	V/Ph/Hz	REMARKS
EWH-1	F30522T2DWB	100	1750 W	208/1/60	1,2,3

REMARKS:

- MODEL NUMBER BASED ON MARKEL.
- PROVIDE WITH WALL-MOUNT BRACKET AND 4" SURFACE MOUNT FRAME.
- PROVIDE WITH UNIT-MOUNTED THERMOSTAT AND DISCONNECT.

CONDENSER SCHEDULE					
MARK	MODEL NUMBER	NOM COOLING TONS	SYSTEM SERVED	V/Ph/Hz	REMARKS
C-1A	MCM080E8	19.67	CRAC-1A	208-230/3/60	1,2
C-1B	MCM080E8	19.67	CRAC-1B	208-230/3/60	1,2
C-2A	MCM040E1	6.25	CRAC-2A	208-230/3/60	1,2
C-2B	MCM040E1	6.25	CRAC-2B	208-230/3/60	1,2

REMARKS:

- MODEL NUMBER BASED ON LIEBERT.
- MOUNT ON ZERO PENETRATION EQUIPMENT SUPPORT.

BOILER SCHEDULE								
MARK	DUTY	MODEL NUMBER	FUEL	INPUT MBH	GAS PRESSURE (IN. W.G.)	MOTOR HP	V/PH/Hz	REMARKS
B-1	HOT WATER	NHB-150H	NATURAL GAS	150	3.5-10.0	N/A	120/1/60	1,2

REMARKS:

- MODEL NUMBER BASED ON NAVIEN.
- WITH 15:1 TURNDOWN RATIO.

PUMP SCHEDULE								
MARK	DUTY	SERIES	MODEL NUMBER	WATTS/HP	GPM	HEAD, FT	V/Ph/Hz	REMARKS
P-1	B-1 CIRCULATOR	NRF	NRF-36	125 W	10.8	12.7	115/1/60	1
P-2	HW SYSTEM	ECOCIRC XL	XL 36-45	1/12 HP	13.4	20	115/1/60	1

REMARKS:

- MODEL NUMBER BASED ON BELL & GOSSETT.

HEAT PUMP SCHEDULE					
MARK	MODEL NUMBER	NOM COOLING TONS	SYSTEM SERVED	V/Ph/Hz	REMARKS
HP-1	MXZ-SM42NLHZ-U1	3.5	FCU-1A & FCU-1B	208-230/1/60	1,2,3,5
HP-2	MUZ-WX12NL	1	FCU-2	208-230/1/60	1,2,3,4

REMARKS:

- MODEL NUMBER BASED ON MITSUBISHI.
- PROVIDE WITH LOW AMBIENT COOLING KIT FOR OPERATION DOWN TO 0 DEG. F.
- PROVIDE HAIL GUARD.
- MOUNT ON ZERO PENETRATION EQUIPMENT SUPPORT.
- PROVIDE 4" CONCRETE PAD FOR UNIT.

ROOFTOP UNIT SCHEDULE														
MARK	MODEL	SUPPLY CFM	OA CFM	FAN DRIVE	FAN HP	FAN EXT S.P. IN. W.G.	NOM COOLING TONS	COOLING SEN MBH	COOLING EAT db/wb	COOLING LAT db/wb	HEATING INPUT MBH	HEATING OUTPUT MBH	V/Ph/Hz	REMARKS
RTU-10	DHK0723SBL	2425	635	DIRECT	3	1.0	6	58.9	80/67	56.61/56.34	80	47	208-230/3/60	1,2,3,4,5,7,9
RTU-11	DHK1023SBL	4430	600	DIRECT	3	1.75	8.5	75.6	80/67	56.87/56.65	120	44	208-230/3/60	1,2,3,4,5,6,7,9
RTU-20	DHK1023SBL	3380	500	DIRECT	3	2.0	8.5	88.8	80/67	56.87/56.65	120	61	208-230/3/60	1,2,3,4,5,6,7,8,9

REMARKS:

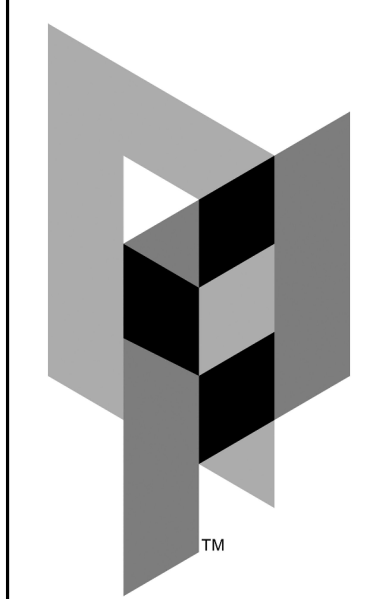
- MODEL NUMBER BASED ON TRANE.
- PROVIDE WITH FACTORY-MOUNTED DISCONNECT SWITCH.
- PROVIDE WITH LOUVERED HAIL GUARDS.
- PROVIDE WITH BACNET COMMUNICATION INTERFACE MODULE.
- PROVIDE WITH SUPPLY AND RETURN SMOKE DETECTORS.
- UNIT SHALL BE EQUIPPED WITH VFD FOR OPERATION IN VAV SYSTEM WITH DUCT SP CONTROL.
- UNIT WITH MODULATING NATURAL GAS HEAT WITH LOW GAS HEAT OPTION.
- UNIT SHALL BE INSTALLED FOR CONNECTION IN HORIZONTALLY DUCTED CONFIGURATION.
- PROVIDE UNIT WITH 14" INSULATED ROOF CURB.

FAN COIL UNIT SCHEDULE											
MARK	AREA SERVED	MODEL NUMBER	FAN CFM	OA CFM	FAN W/HP	NOM COOLING TONS	COOLING SEN MBH	COOLING EAT db/wb	REVERSE CYCLE MBH	V/Ph/Hz	REMARKS
FCU-1A	PHYSICAL EDUCATION / GYM 009	PLA-AE18NL-U1	600	290	50 W	1.5	16.3	80/67	24	208-230/1/60	1,2,3
FCU-1B	CONFERENCE 014	PLA-AE24NL-U1	810	140	120 W	2	22	80/67	29	208-230/1/60	1,2,3
FCU-2	STAIR S1	MS2-WX12NL	381	-	30 W	1	10.3	80/67	14.5	208-230/1/60	1,2,4

REMARKS:

- MODEL NUMBER BASED ON MITSUBISHI.
- PROVIDE WITH CONDENSATE PUMP.
- MATCH WITH HP-1.
- MATCH WITH HP-2.

MISCELLANEOUS EQUIPMENT SCHEDULE	
MARK	DESCRIPTION
AS-1	AIR SEPARATOR - BELL & GOSSETT MODEL R-2N WITH STRAINER, 140 GPM CAPACITY, AND 2 IN. TANGENTIAL OPENINGS. FOR USE IN HYDRONIC HOT WATER SYSTEM FROM BOLLER B-1.
ET-1	EXPANSION TANK - WESSELS COMPANY MODEL NLA-35 BLADDER TYPE TANK WITH A 10 GALLON TANK VOLUME AND REPLACEABLE BLADDER. FOR USE IN HYDRONIC HOT WATER SYSTEM FROM BOILER B-1.

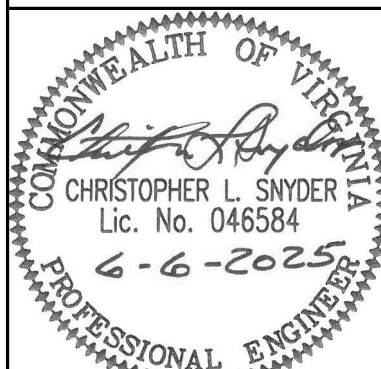


ARCHITECTURAL PARTNERS

10 9th Street
 Lynchburg, Virginia 24504
 phone: 434-846-8456
 fax: 434-846-4534
 architecturalpartners.com

BOTETOURT COUNTY
RMFDE - 911 COMPLEX
 PROJECT NO.: 24100
 43 EASTPARK DRIVE, ROANOKE, VA 24019

BID SET



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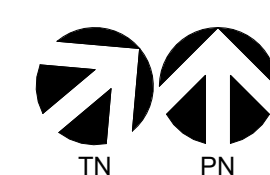
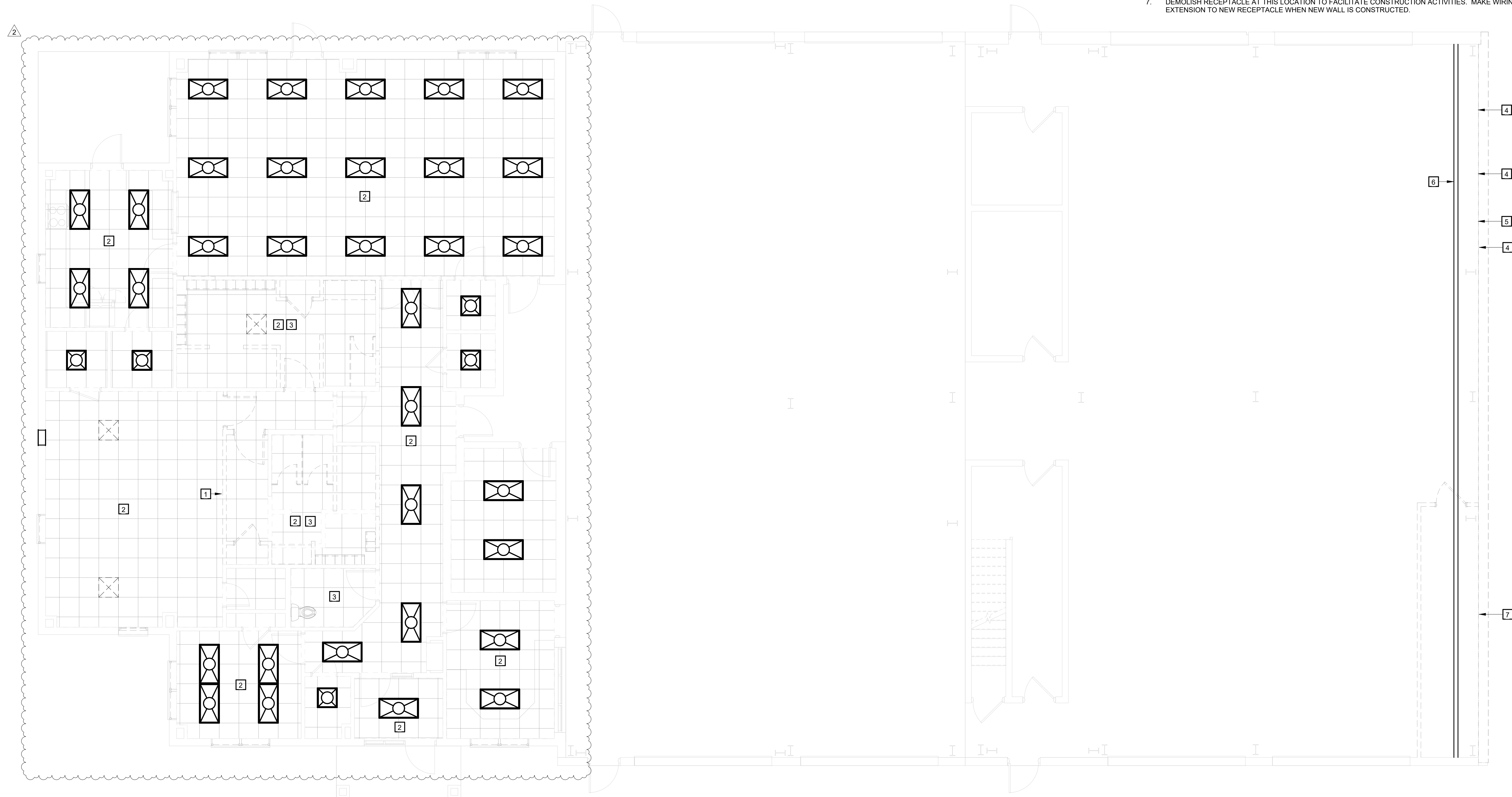
DATE: 2025-06-06
 DESIGNED: CLS/ETO
 DRAWN: ETO
 CHECKED: CLS
 REVISIONS:

No.	Date
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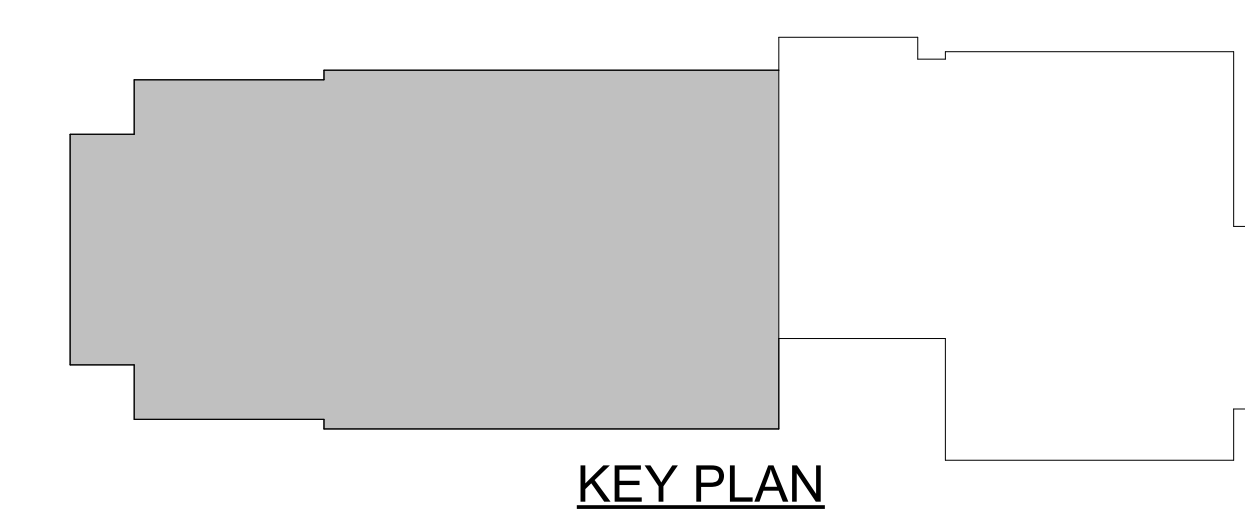
HVAC SCHEDULES

ELECTRICAL DEMOLITION NOTES (SQUARE TAGS)

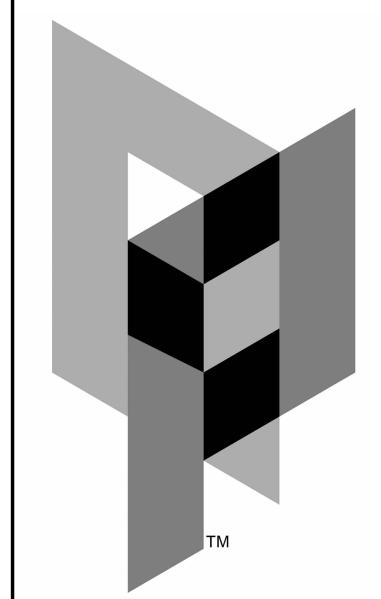
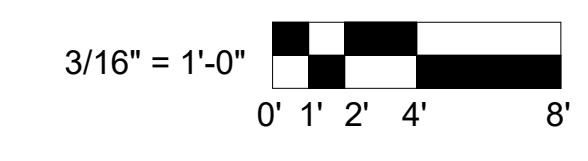
1. DEMOLISH RECEPTACLES ON INDICATED WALL BEING DEMOLISHED. PREPARE CIRCUIT FOR REWORK IF REQUIRED IN NEW WORK. FOR ANY WIRING NOT BEING EXTENDED IN NEW WORK, MAKE SAFE BY TERMINATING IN AN ACCESSIBLE JUNCTION BOX.
2. DEMOLISH LIGHTING AND LIGHTING CONTROLS IN SPACE.
3. DEMOLISH RECEPTACLES ON WALLS BEING DEMOLISHED IN SPACE. PREPARE CIRCUIT FOR REWORK IF REQUIRED IN NEW WORK. FOR WALLS IN SPACE RECEIVING NEW FINISH, DEMOLISH RECEPTACLE AND PREPARE FOR INSTALLATION OF NEW TO BE FLUSH WITH NEW FINISH. FOR ANY WIRING NOT BEING EXTENDED IN NEW WORK, MAKE SAFE BY TERMINATING IN AN ACCESSIBLE JUNCTION BOX.
4. RELOCATE DISCONNECTS/STARTERS FOR AIR COMPRESSOR, CANISTER FILLER FILTER, AND CANISTER FILLER TO TEMPORARY WALL CONSTRUCTED DURING DEMOLITION PHASE. EXTEND WIRING AS REQUIRED TO TEMPORARY WALL LOCATION.
5. RELOCATE RECEPTACLE AND LIGHT SWITCHES TO TEMPORARY WALL. EXTEND WIRING AS REQUIRED TO MAINTAIN OPERATION OF DEVICES THROUGH CONSTRUCTION ACTIVITIES.
6. TEMPORARY WALL LOCATION FOR RELOCATION OF NOTED FACILITIES.
7. DEMOLISH RECEPTACLE AT THIS LOCATION TO FACILITATE CONSTRUCTION ACTIVITIES. MAKE WIRING SAFE FOR EXTENSION TO NEW RECEPTACLE WHEN NEW WALL IS CONSTRUCTED.



1 ELECTRICAL WEST END DEMOLITION PLAN
ED1.1 3/16" = 1'-0"



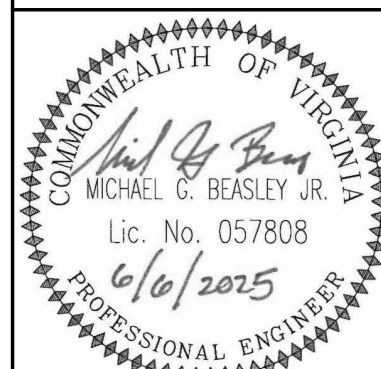
KEY PLAN



ARCHITECTURAL PARTNERS
10 9th Street
Lynchburg, Virginia 24504
phone: 434-846-8456
fax: 434-846-4534
architecturalpartners.com

**BOTETOURT COUNTY
RMFDE - 911 COMPLEX**
43 EASTPARK DRIVE, ROANOKE, VA 24019 PROJECT NO.: 24100

BID SET



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DATE: 2025-06-06
DESIGNED: TBC
DRAWN: TBC
CHECKED: MGB
REVISIONS:

No.	Date
2	2025/07/01

ELECTRICAL WEST END DEMOLITION PLAN

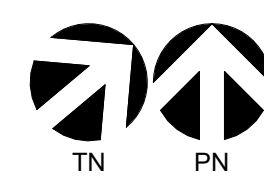
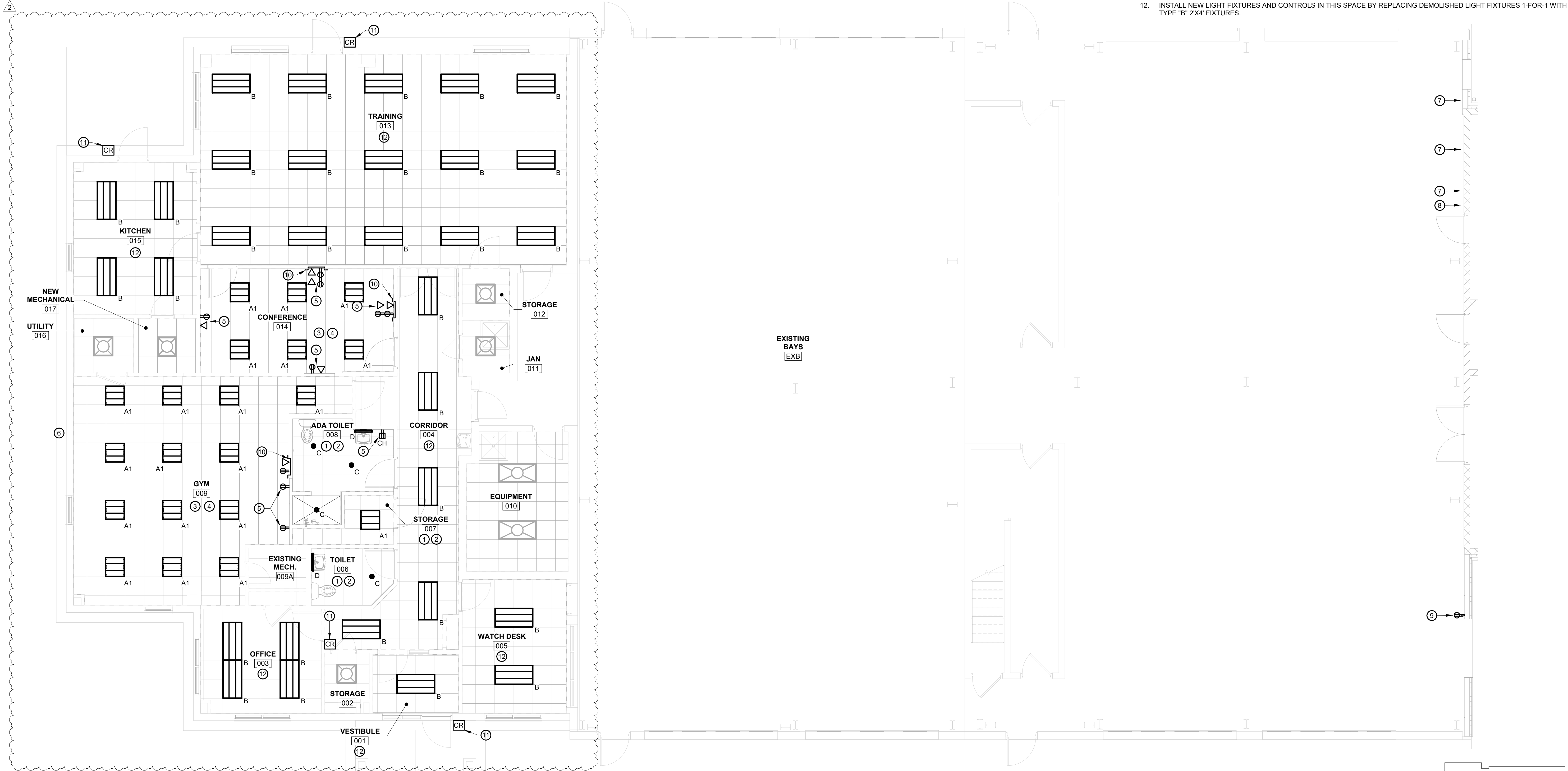
ED1.1

NOTES (SHEET E1.1)

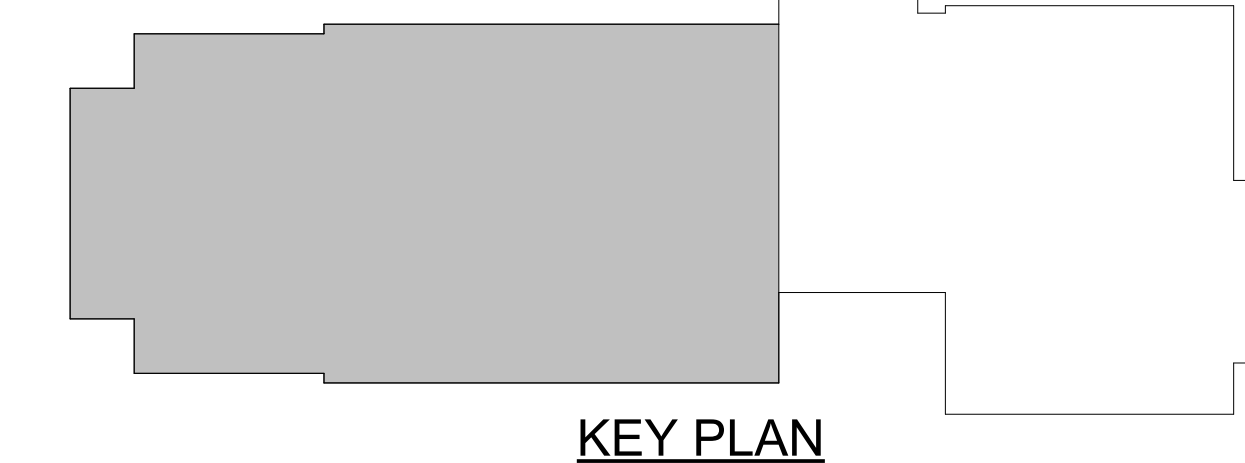
- EXISTING FIRE ALARM SYSTEM SHALL REMAIN IN OPERATION DURING CONSTRUCTION. ALL EXISTING DEVICES SHALL TIE INTO NEW SYSTEM REMAIN FULLY FUNCTIONAL WHEN CONSTRUCTION IS COMPLETE. CONTRACTOR SHALL PROVIDE ALL COMPONENTS NECESSARY FOR THIS INTEGRATION.

ELECTRICAL NEW WORK NOTES (CIRCLE TAGS)

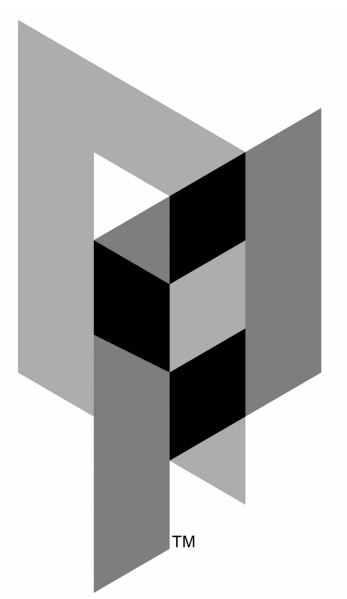
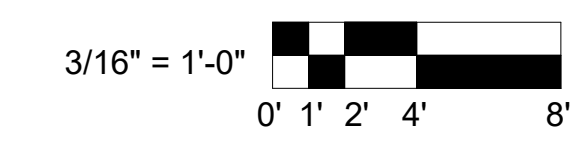
- INSTALL NEW LIGHT FIXTURES IN SPACE WHERE SHOWN. INSTALL WALL-MOUNTED OCCUPANCY SENSOR FOR CONTROL. WHERE EXISTING RECEPTACLES WERE PREVIOUSLY INSTALLED, EXTEND BOX TO NEW WALL SURFACE AND INSTALL NEW RECEPTACLE AND COVER PLATE.
- INSTALL LIGHT FIXTURES IN SPACE WHERE SHOWN. INSTALL CEILING-MOUNTED OCCUPANCY SENSORS FOR CONTROL IN ADEQUATE QUANTITY TO COVER THE ENTIRE SPACE.
- INSTALL POWER TO FAN COIL UNIT VIA EXTERIOR UNIT.
- INSTALL NEW RECEPTACLE IN THIS WALL. INSTALL A NEW CIRCUIT FROM PANEL "E" IN UTILITY - 016 TO SERVE RECEPTACLE. IF MULTIPLE RECEPTACLES ARE IN THE SAME ROOM, THEY MAY BE INSTALLED ON THE SAME CIRCUIT.
- INSTALL POWER TO NEW HVAC UNIT VIA A FUSED DISCONNECT, FUSED PER EQUIPMENT MANUFACTURER. PROVIDE CIRCUIT AS REQUIRED BY EQUIPMENT FROM PANEL "SEP" IN UTILITY 016.
- RELOCATE DISCONNECTS/STARTERS FOR AIR COMPRESSOR, CANISTER FILLER FILTER, AND CANISTER FILLER BACK TO THEIR ORIGINAL LOCATIONS, ON NEWLY-CONSTRUCTED WALL. EXTEND WIRING AS REQUIRED.
- RELOCATE RECEPTACLE AND LIGHT SWITCHES BACK TO ORIGINAL LOCATION ON NEW WALL. ADJUST LOCATION IF IN CONFLICT WITH NEW DOOR. EXTEND WIRING AS REQUIRED TO MAINTAIN OPERATION OF DEVICES.
- INSTALL NEW RECEPTACLE IN LOCATION OF EXISTING. EXTEND WIRING AS REQUIRED.
- INSTALL NEW TV POWER/DATA OUTLET IN THIS WALL. INSTALL A NEW CIRCUIT FROM PANEL "E" IN UTILITY - 016 TO SERVE RECEPTACLE. COORDINATE HEIGHT WITH ARCHITECT.
- EXISTING CARD READER. ACCESS CONTROL CONTRACTOR TO TIE INTO NEW SYSTEM.
- INSTALL NEW LIGHT FIXTURES AND CONTROLS IN THIS SPACE BY REPLACING DEMOLISHED LIGHT FIXTURES 1-FOR-1 WITH TYPE "B" 2'X4' FIXTURES.



1 ELECTRICAL WEST END NEW WORK PLAN
E1.1 3/16" = 1'-0"



KEY PLAN

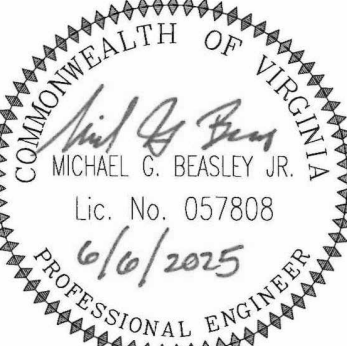


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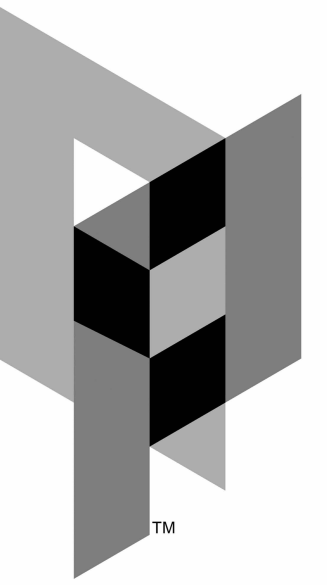
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ELECTRICAL WEST END NEW WORK PLAN

E1.1



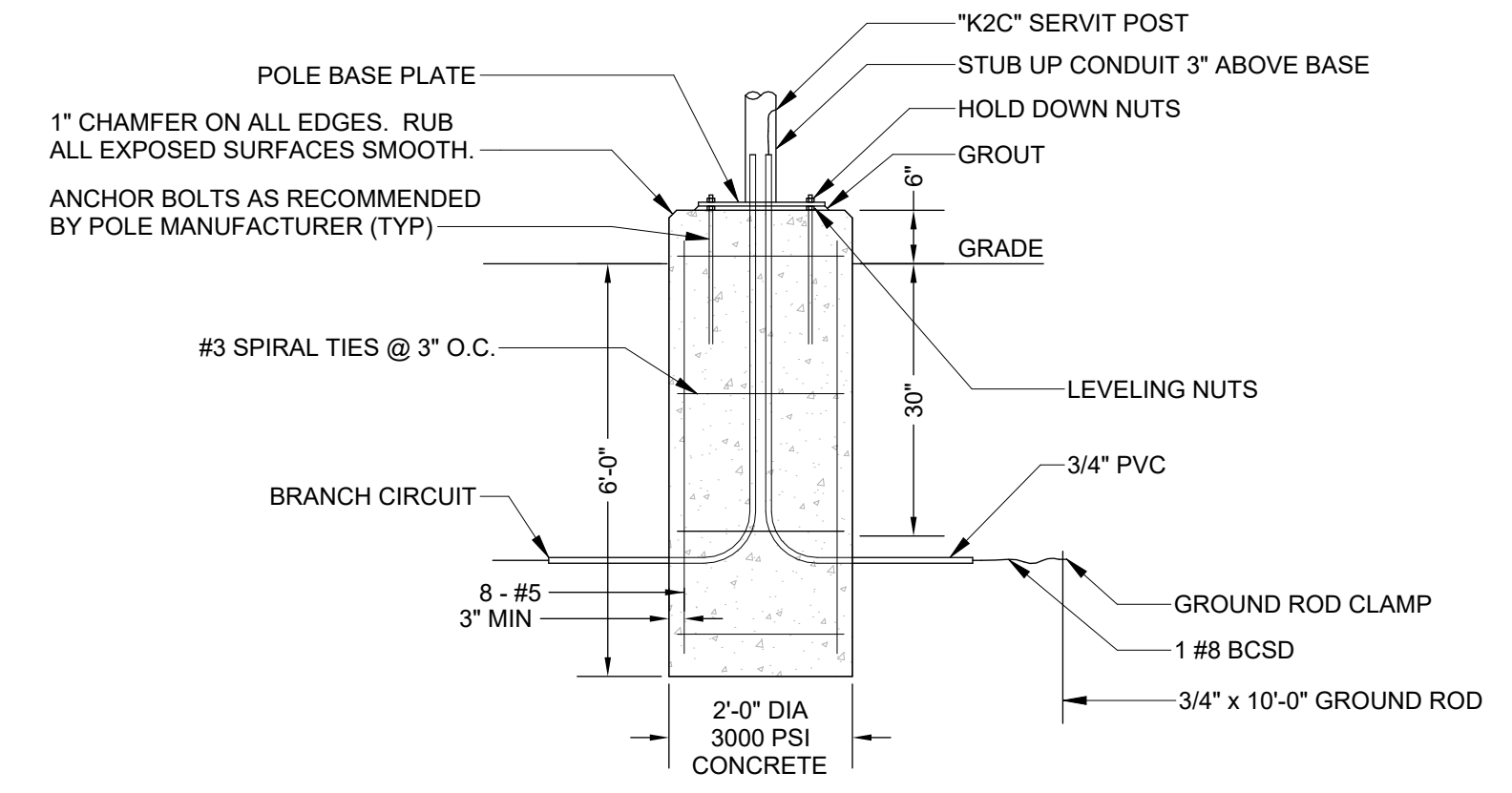
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NOTES (SHEET E2.1)

- IN INDICATED LOCATIONS, NEXT TO WALL-MOUNTED LIGHTING CONTROL, INSTALL AN ADDITIONAL SINGLE-GANG BOX WITH 3/4" CONDUIT AND PULL STRING TO THE CEILING PLENUM. THIS IS FOR THE DISPATCH SYSTEM TOUCH SCREEN. COORDINATE EXACT LOCATION WITH OWNER AND DISPATCH SYSTEM PROVIDER.
- CONTRACTOR TO INSTALL ALL LIGHT FIXTURES PROVIDED BY DISPATCH SYSTEM PROVIDER. THESE FIXTURES ARE NOT SHOWN ON THIS PLAN AND WILL REQUIRE POWER AND A MEANS OF CONNECTING DATA WIRING. COORDINATE WITH DISPATCH SYSTEM DRAWINGS.

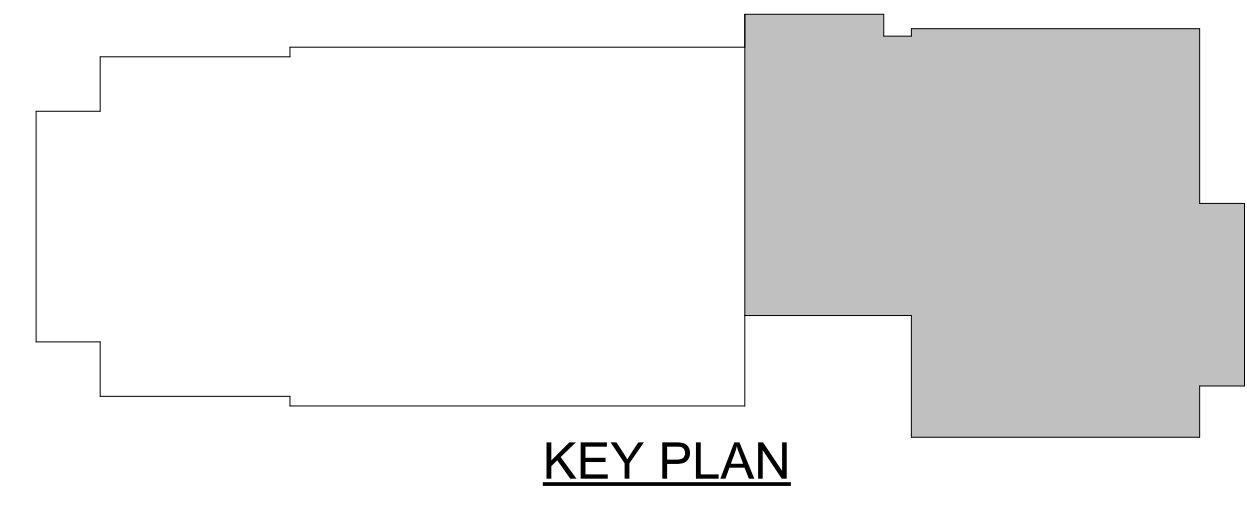
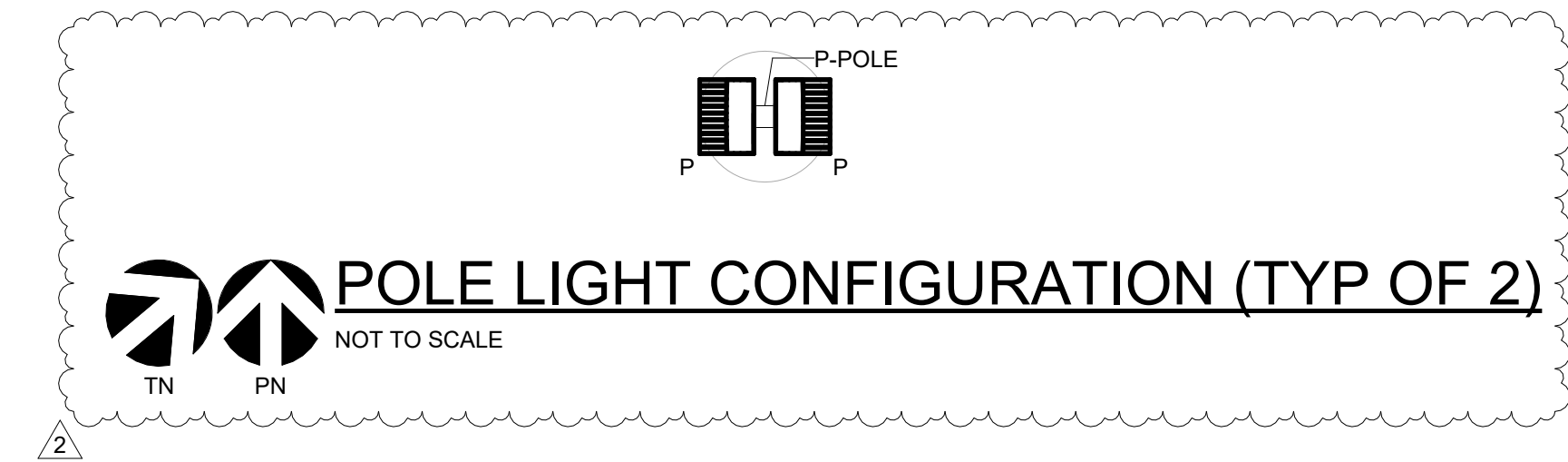


POLE BASE DETAIL
NOT TO SCALE



CONTINUE TO TYPE "P-POLE"
POLE-MOUNTED SITE LIGHTING,
SEE CIVIL FOR LOCATION

CONTINUE TO TYPE "P-POLE"
POLE-MOUNTED SITE LIGHTING,
SEE CIVIL FOR LOCATION

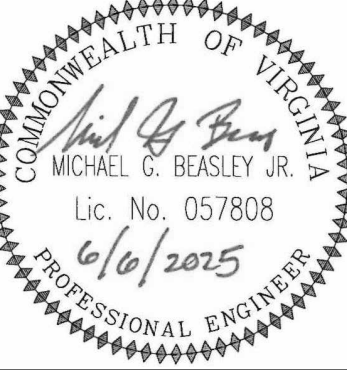


1 LIGHTING FIRST FLOOR PLAN (NOTE 2)
E2.1 3/16" = 1'-0"



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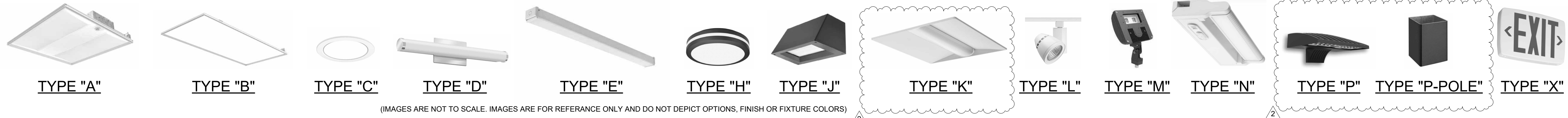
LIGHTING ADDITION FIRST FLOOR PLAN

E2.1

LIGHTING FIXTURE SCHEDULE

TYPE	MAUFACTURER	CATALOG # *	VOLTAGE	VOLT-AMPERES (MAXIMUM)	LUMENS	LAMP	DRIVER	DESCRIPTION
A1	LITHONIA	SPX 2X2 3400LM 80CRI 40K BFR 3DCB MIN1 ZT MVOLT	120	23	3400	LED	0-10V DIMMING	2X2 LED LAY-IN TROFFER
A2	LITHONIA	SPX 2X2 4000LM 80CRI 40K BFR 3DCB MIN1 ZT MVOLT	120	28	4000	LED	0-10V DIMMING	2X2 LED LAY-IN TROFFER
A3	LITHONIA	SPX 2X2 4800LM 80CRI 40K BFR 3DCB MIN1 ZT MVOLT	120	35	4800	LED	0-10V DIMMING	2X2 LED LAY-IN TROFFER
B	LITHONIA	SPX 2X4 4000LM 80CRI 40K BFR 3DCB MIN1 ZT MVOLT	120	27	4000	LED	0-10V DIMMING	2X4 LED LAY-IN TROFFER
C	GOTHAM	EV04SH 40/15 DFR SMO DMO EZ1	120	18	1500	LED	0-10V DIMMING	4" LED ROUND LENSED DOWNLIGHT (OPEN 4" DOWNLIGHT MAY BE PROVIDED WHERE FIXTURE IS NOT LOCATED IN WET LOCATION)
D	LITHONIA	FMVCCLS 24IN MVOLT 30K35K40K 90CRI	120	18	1850	LED	NONE	24" CYLINDRICAL VANITY WITH SWITCHABLE CCT, SET TO 40K CCT
E1	LITHONIA	CLX L48 4000LM HEF FDL MVOLT GZ1 40K 80CRI	120	26	4000	LED	0-10V DIMMING	48" LINEAR LED STRIP
E2	LITHONIA	CLX L48 5000LM HEF FDL MVOLT GZ1 40K 80CRI	120	32	5000	LED	0-10V DIMMING	48" LINEAR LED STRIP
E3	LITHONIA	CLX L48 7000LM HEF FDL MVOLT GZ1 40K 80CRI	120	44	7000	LED	0-10V DIMMING	48" LINEAR LED STRIP
H	LITHONIA	OLCFM 25 DDB	120	17	1077	LED	NONE	12" ROUND CANOPY FIXTURE
J	LITHONIA	WST LED P2 40K VV MVOLT DBLXD	120	25	3600	LED	0-10V DIMMING	WALL-MOUNT EXTERIOR FIXTURE
K	LITHONIA	2BLT2 TUWH RHYR 40L ADPT NLT NESPD7ADCX	120	26	3683	LED	0-10V DIMMING	2X2 LED LAY-IN TROFFER WITH TUNABLE CCT CABABILITY
L	JUNO	T262L TEK G2 40' 80 PDIM NFL	120	16	105	LED	0-10V DIMMING	CONIX II LED
LT8	JUNO	T8FT	120	0	0	-	-	1 CIRCUIT 8' LENGTH TRACK SECTION
LT12	JUNO	T12FT	120	0	0	-	-	1 CIRCUIT 12' LENGTH TRACK SECTION
M	LITHONIA	DSXF1 P2 40K NSP MVOLT	120	42	4741	LED	0-10V DIMMING	FLOOD LIGHT WITH NARROW DISTRIBUTION FOR FLAGPOLE LIGHTING. MOUNT PER GROUND-MOUNTED FIXTURE DETAIL.
N	JUNO	URPLD 14IN SSW4 90CRI	120	7	499	LED	0-10V DIMMING	14" UNDER CABINET FIXTURE WITH SWITCHABLE CCT, SET TO 40K CCT
P	LITHONIA	DSXW1 P2 40K 80CRI T4M MVOLT	120	15	2316	LED	NONE	POLE-MOUNTED LED AREA LIGHT
P-POLE	LITHONIA	SSS 15' 4C	0	0	0	N/A	NONE	15' POLE FOR TYPE "P"
X	LITHONIA	LGM SSW 3 R MVOLT ELN SD	120	1	10	LED	NONE	EXIT SIGN

* => CATALOG NUMBERS ARE NOT COMPLETE. CONSULT WITH ARCHITECT FOR FIXTURE FINISHES, LENS TYPES, AND OTHER OPTIONS NOT SPECIFIED.



TYPE "A"

TYPE "B"

TYPE "C"

TYPE "D"

TYPE "E"

TYPE "H"

TYPE "J"

TYPE "K"

TYPE "L"

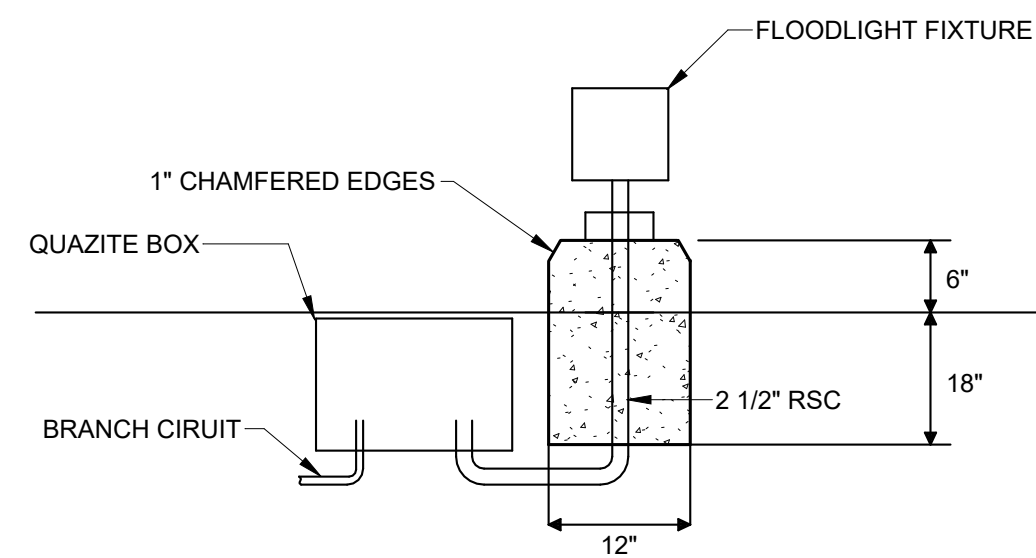
TYPE "M"

TYPE "N"

TYPE "P"

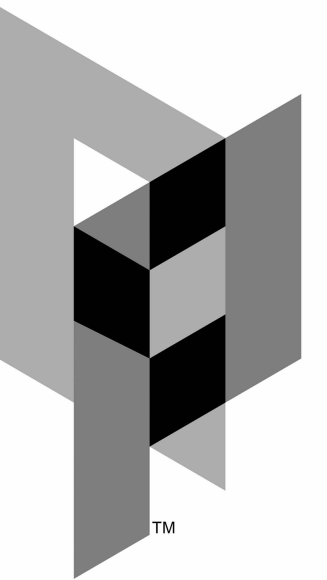
TYPE "P-POLE"

TYPE "X"



GROUND-MOUNTED FIXTURE DETAIL

NOT TO SCALE

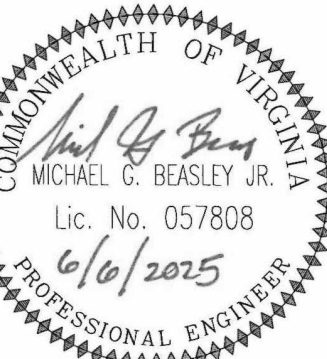


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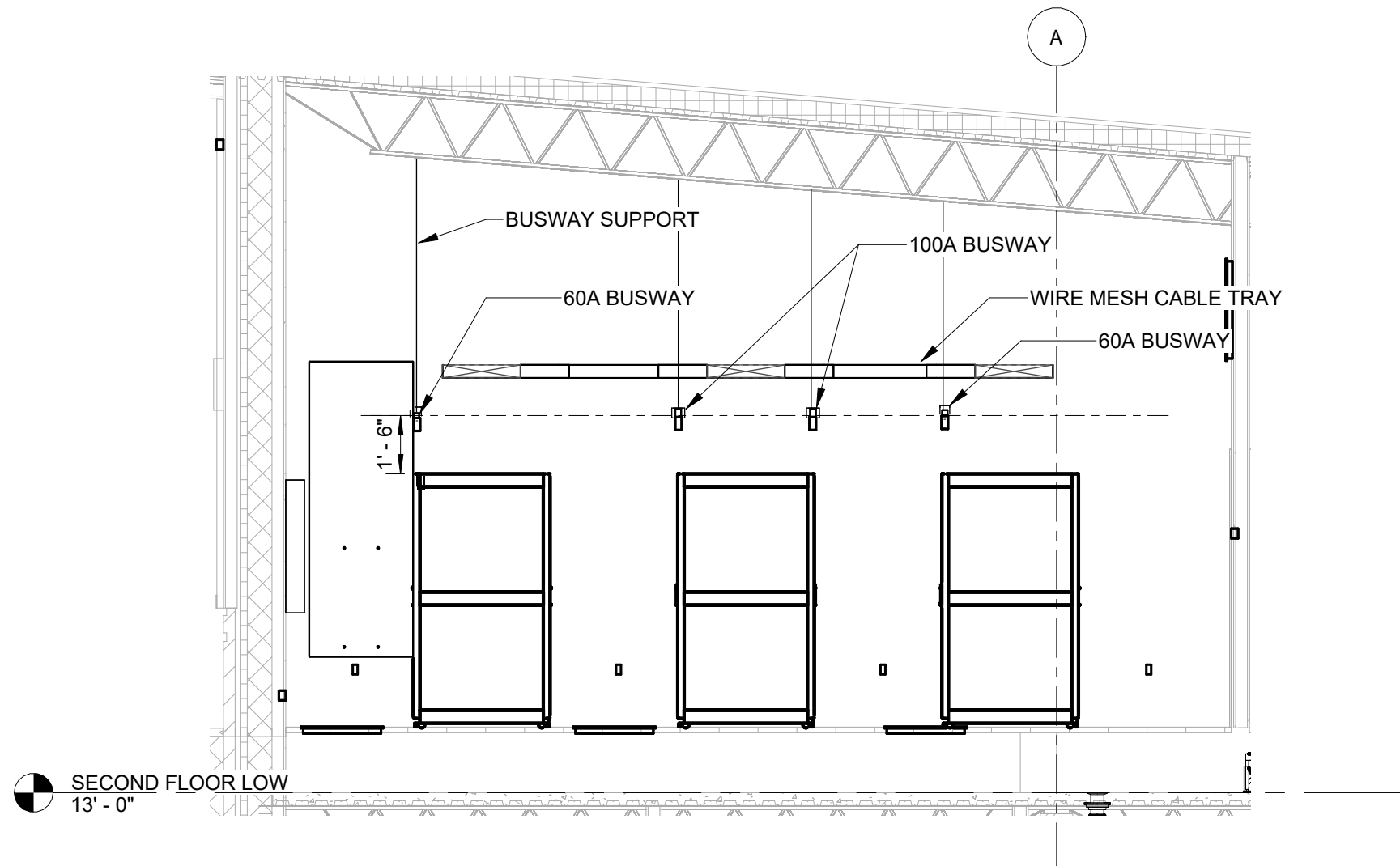
LIGHTING FIXTURE SCHEDULE



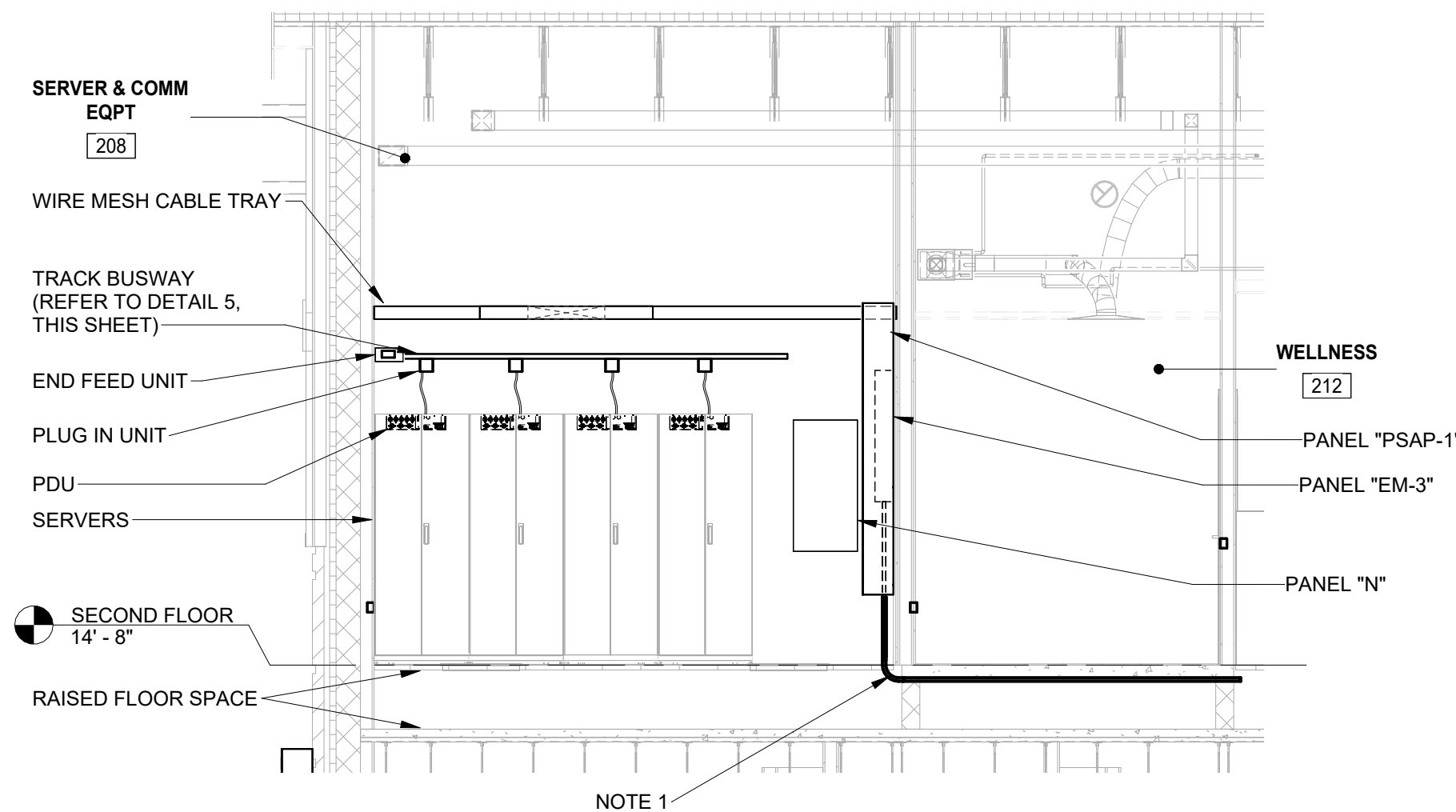
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ES1

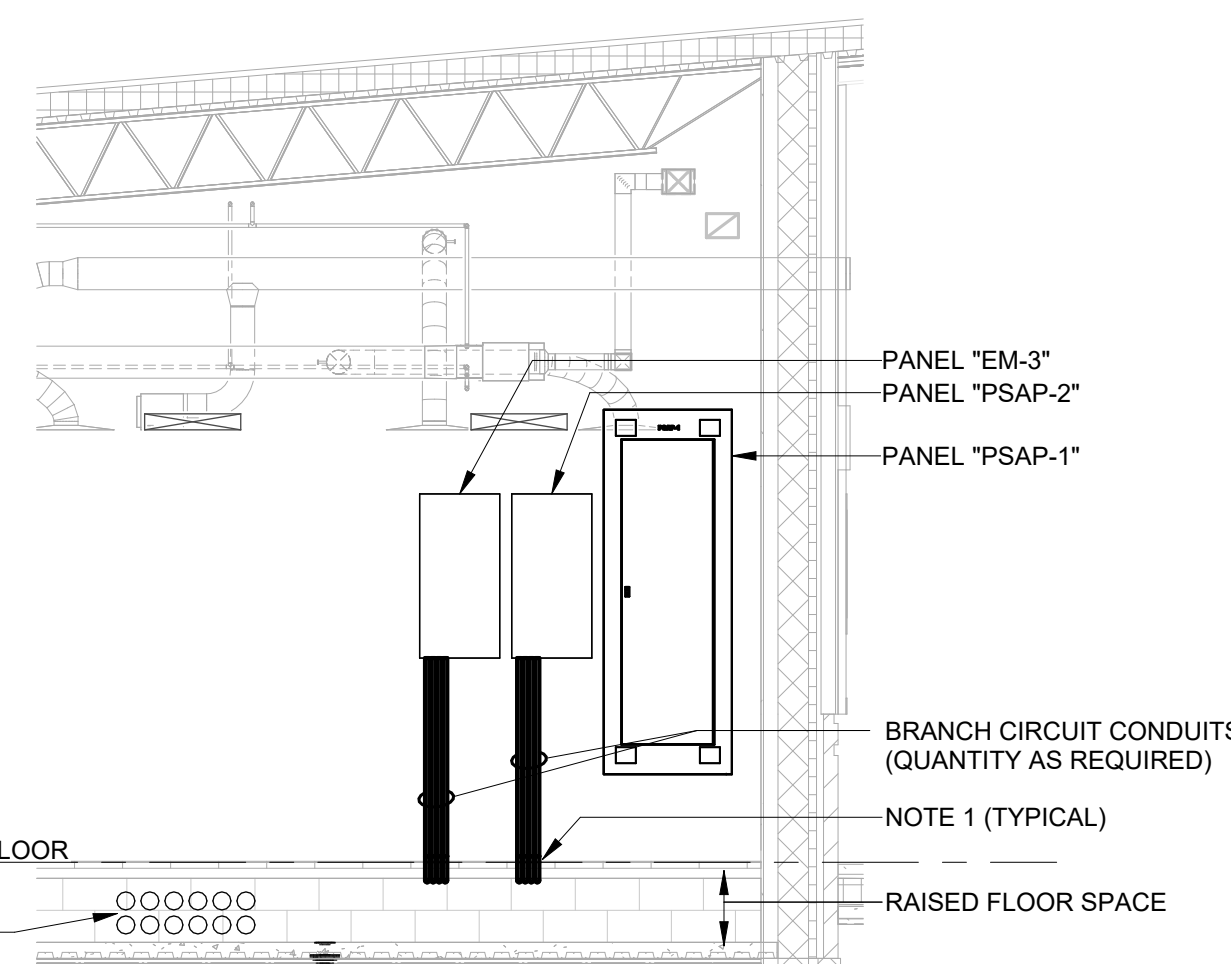
E2.3



2 SECTION 2
E3.3 1/4" = 1'-0"

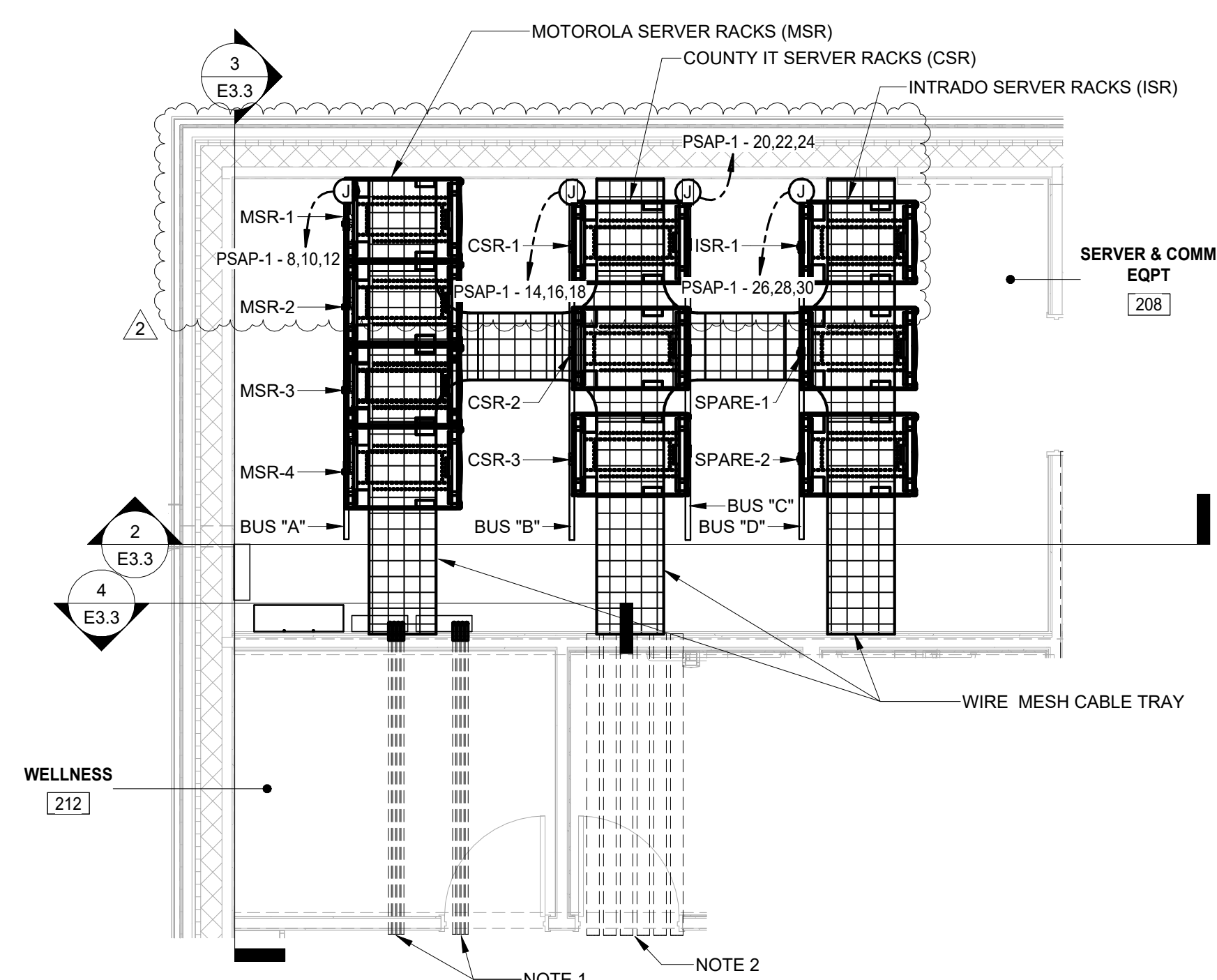


3 SECTION 3
E3.3 1/4" = 1'-0"

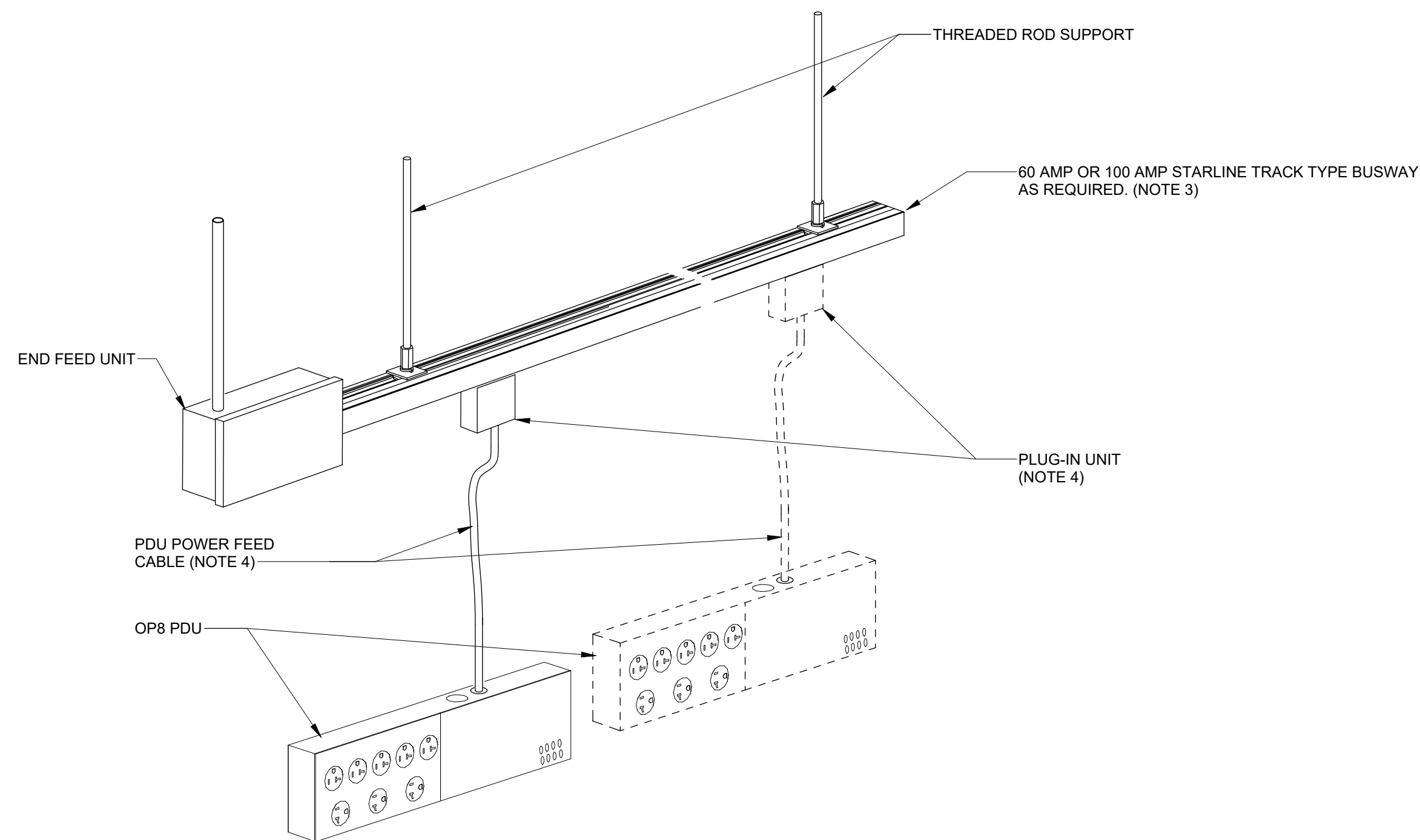


4 SECTION 4
E3.3 1/4" = 1'-0"

BUSWAY PLUG SCHEDULE					
PLUG NO.	BUSWAY	VOLTS	PLUG AMPS	BUSWAY CONNECTION TYPE	LOAD TERMINATION
MSR-1A	BUS "A" 60 AMP	120	20 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	HARDWIRED OP8 PDU
MSR-2A	BUS "A" 60 AMP	120	20 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	HARDWIRED OP8 PDU
MSR-3A	BUS "A" 60 AMP	120	20 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	HARDWIRED OP8 PDU
MSR-4A	BUS "A" 60 AMP	120	20 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	HARDWIRED OP8 PDU
CSR-1B	BUS "B" 100 AMP	120	20 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	HARDWIRED OP8 PDU
CSR-2B	BUS "B" 100 AMP	120	20 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	HARDWIRED OP8 PDU
CSR-3B	BUS "B" 100 AMP	120	20 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	HARDWIRED OP8 PDU
CSR-1C	BUS "C" 100 AMP	120	20 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	HARDWIRED OP8 PDU
CSR-2C	BUS "C" 100 AMP	120	20 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	HARDWIRED OP8 PDU
CSR-3C	BUS "C" 100 AMP	120	20 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	HARDWIRED OP8 PDU
ISR-1A	BUS "D" 60 AMP	120	30 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	COORDINATE CONNECTION TYPE WITH OWNER
SPARE-1	BUS "D" 60 AMP	120	30 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	SPARE (NO CONNECTION)
SPARE-2	BUS "D" 60 AMP	120	30 AMPS 100% RATED	PLUG IN UNIT TWIST LOCK RECEPTCLE	SPARE (NO CONNECTION)



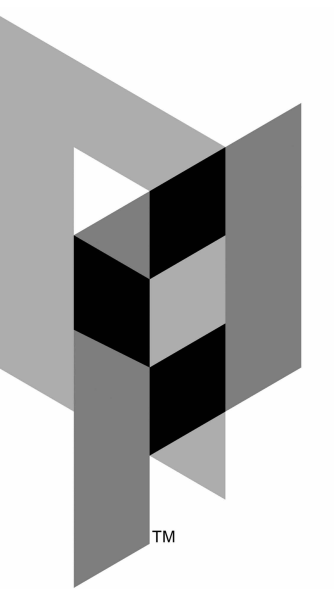
1 SERVER & COMM EQUIPMENT ROOM
E3.3 1/4" = 1'-0"



5 TYPICAL BUSWAY CONNECTION DETAIL
E3.3 NOT TO SCALE

NOTES (SHEET E3.3)

1. PROVIDE FIRE STOP PER DETAIL ON SHEET E0.1 WHERE EACH CONDUIT PASSES THROUGH FIRE BARRIER.
2. PROVIDE (12) SPARE 4" CONDUIT SLEEVES THROUGH FIRE STOP PER DETAIL ON SHEET E0.1. THESE ARE FOR DATA CABLING (BY OTHERS). ONCE CABLING HAS BEEN INSTALLED, PROVIDE FLEXIBLE (REMOVABLE) FIRE STOPPING WITHIN CONDUITS.
3. PROVIDE AND INSTALL STARLINE 100 AMP AND 60 AMP TRACK TYPE BUSWAY. CONSULT WITH MANUFACTURER AND PROVIDE ALL NECESSARY EQUIPMENT AND HARDWARE FOR A COMPLETE AND FUNCTIONAL SYSTEM.
4. HARDWIRE POWER CABLE INTO SERVER RACK POWER DISTRIBUTION UNITS (OP8 PDU). INSTALL TWIST LOCK RECEPTACLE ON OPPOSITE END OF CABLE FOR TERMINATION INTO PLUG-IN UNITS. CONSULT WITH MANUFACTURER FOR RECOMMENDED PLUG-IN UNIT AND CABLE REQUIREMENTS.

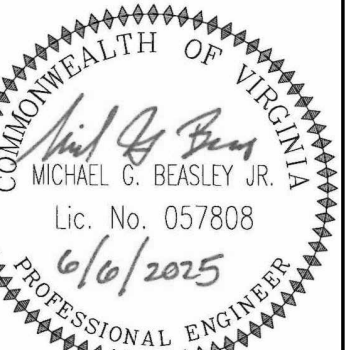


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Lynchburg, Virginia 24504
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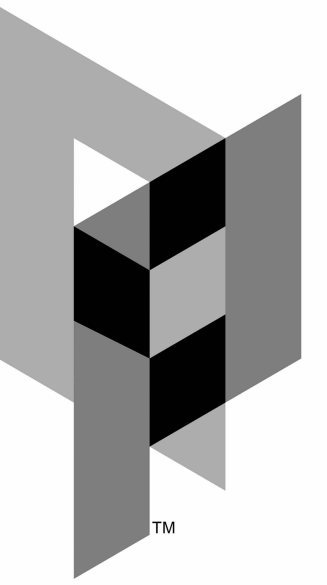
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POWER SECTIONS & DETAILS



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E3.3

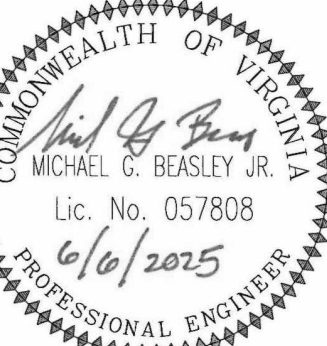


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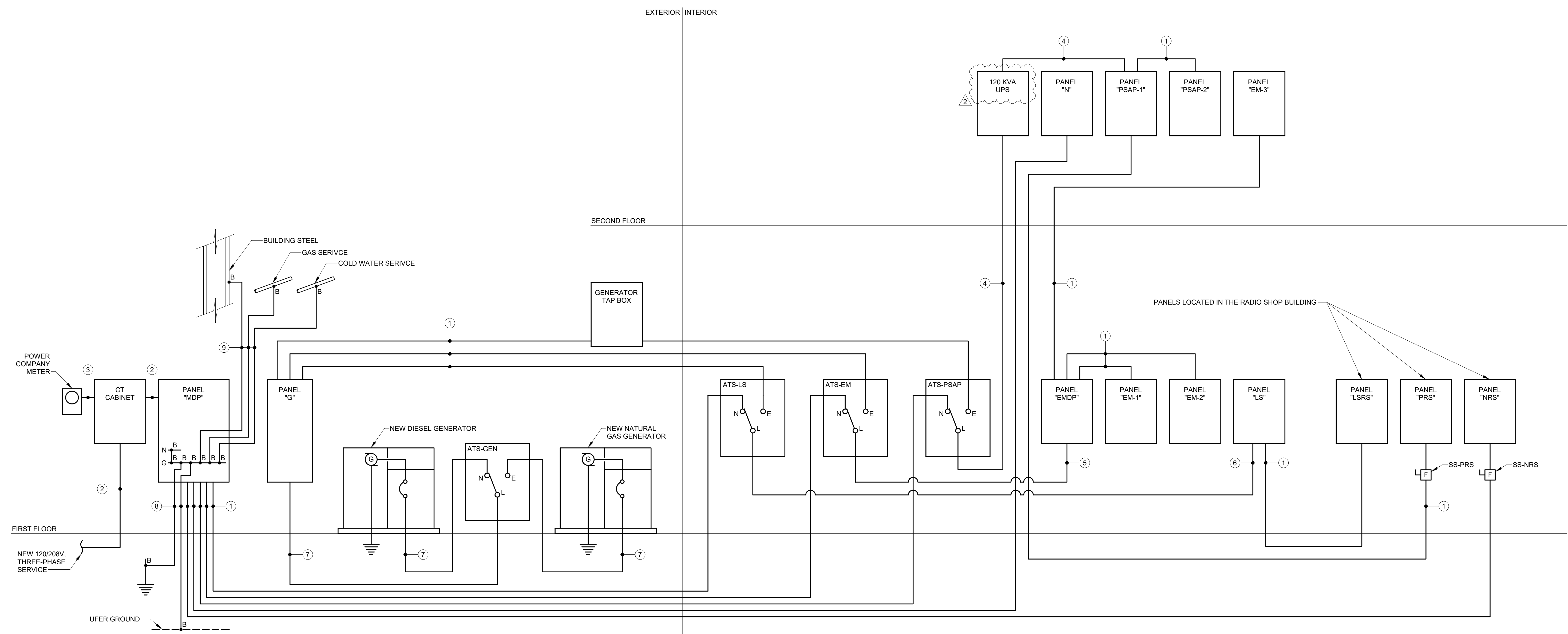
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ONE LINE DIAGRAM

E4.1

ONE LINE KEY

- ① SEE ASSOCIATED PANEL SCHEDULE FOR WIRE SIZE, TYPE, AND FILL
- ② 3(4 #600 KCMIL - 4" C) & (2) SPARE 4" C
- ③ BY POWER COMPANY
- ④ 2 (4 #300 KCMIL & 1 #1 EGC - 3" C)
- ⑤ 3(4 #400 KCMIL & 1 #2/0 EGC - 3" C)
- ⑥ 4 #6 AWG & 1 #10 EGC - 1" C
- ⑦ 3(4 #600 KCMIL & 1 #3/0 EGC - 4" C) & (1) SPARE 4" C
- ⑧ #3/0 BCSD GEC
- ⑨ #6 BCSD GEC



ONE LINE DIAGRAM

BRANCH PANEL: PSAP-1

VOLTS: 120/208 Wye
 PHASES: 3
 WIRES: 4
 FED FROM: UPS

A.I.C. RATING: 22kA
 MAINS TYPE: MCB
 MAINS RATING: 600
 MCB RATING: 550

TYPE 2 SURGE SUPPRESSOR

NOTES:
 * => BREAKER SHALL BE 100% RATED

CKT	LOAD NAME	P	AF	AT	LINE	NEUT	EGG	COND SIZE	CONN KVA	A	B	C	A	B	C	CONN KVA	COND SIZE	EGG	NEUT	LINE	AT	AF	P	LOAD NAME	CKT
1									109.6				43.1												2
3	PANEL PSAP-2	3	225	225	#4/0	#4/0	#4	2"	35.91	97.6		93.3	60.0		43.1										4
5																									6
7	REC COMPUTER TIMECLOCK	1	100	20	#12	#12	#12	3/4"	0.36	3.0			60.0												8
9	REC MECHANICAL 131	1	100	20	#12	#12	#12	3/4"	0.18		1.5		60.0												10
11	REC FOR DISPATCH CALL...	1	100	20	#12	#12	#12	3/4"	0.36			3.0	60.0												12
13	SPARE	1	100	20	--	--	--	--	--	0.0			100.0												14
15	SPARE	1	100	20	--	--	--	--	--		0.0		100.0												16
17	SPARE	1	100	20	--	--	--	--	--			0.0	100.0												18
19	SPACE & BUS ONLY	1	--	--	--	--	--	--	--				100.0												20
21	SPACE & BUS ONLY	1	--	--	--	--	--	--	--				100.0												22
23	SPACE & BUS ONLY	1	--	--	--	--	--	--	--				100.0												24
25	SPACE & BUS ONLY	1	--	--	--	--	--	--	--				60.0												26
27	SPACE & BUS ONLY	1	--	--	--	--	--	--	--				60.0												28
29	SPACE & BUS ONLY	1	--	--	--	--	--	--	--				60.0												30
										TOTAL KVA:	167.53	A	B	C											
										TOTAL AMPS:	475.5	462.0	459.4												

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
HVAC	1 kVA	100.00%	1 kVA	
POWER	132 kVA	100.00%	132 kVA	TOTAL CONN. LOAD: 168 kVA
REC	35 kVA	64.15%	23 kVA	TOTAL EST. DEMAND: 155 kVA
				TOTAL CONN.: 465 A
				TOTAL EST. DEMAND: 430 A

NOTES:

BRANCH PANEL: PSAP-2

VOLTS: 120/208 Wye
 PHASES: 3
 WIRES: 4
 FED FROM: PSAP-1

A.I.C. RATING: 22kA
 MAINS TYPE: MCB
 MAINS RATING: 225
 MCB RATING: 225

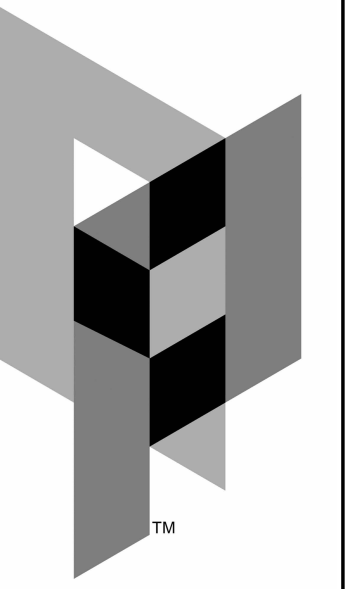
TYPE 2 SURGE SUPPRESSOR

NOTES:

CKT	LOAD NAME	P	AF	AT	LINE	NEUT	EGG	COND SIZE	CONN KVA	A	B	C	A	B	C	CONN KVA	COND SIZE	EGG	NEUT	LINE	AT	AF	P	LOAD NAME	CKT
1	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36	3.0			9.0												2
3	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36		3.0		12.0												4
5	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		12.0											6
7	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36	3.0															8
9	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		3.0											10
11	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36				6.0												12
13	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36	3.0				6.0											14
15	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		9.0											16
17	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		12.0											18
19	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36	3.0				10.0											20
21	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		10.0											22
23	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		6.0											24
25	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36	3.0				6.0											26
27	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		8.0											28
29	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		9.0											30
31	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36	3.0				5.0											32
33	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		10.0											34
35	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		5.0											36
37	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36	3.0				5.0											38
39	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		3.0											40
41	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		9.0											42
43	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36	3.0				9.0											44
45	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		9.0											46
47	PSAP STATION UPS REC	1	100	20	#12	#12	#12	3/4"	0.36			3.0		3.0											48
49	REC SERVER & COMM EOPT 208	1	100	20	#12	#12	#12	3/4"	1.44	12.0				9.0											50
51	DISPATCH SYSTEM	1	100	20	#12	#12	#12	3/4"	0.36			3.0		6.0											52
53	SPARE	1	100	20	--	--	--	--	--					7.3	0.87	3/4"	#12	#12	#12	20	100	1			54
55	SPARE	1	100	20	--	--	--	--	--	0.0															56
57	SPARE	1	100	20	--	--	--	--	--		0.0														58
59	SPARE	1	100	20	--	--	--	--	--			0.0													60
61	SPARE	1	100	20	--	--	--	--	--	0.0															62
63	SPACE & BUS ONLY	1	--	--	--	--	--	--	--																64
65	SPACE & BUS ONLY	1	--	--	--	--	--	--	--																66
67	SPACE & BUS ONLY	1	--	--	--	--	--	--	--																68
69	SPACE & BUS ONLY	1	--	--	--	--	--	--	--																70
71	SPACE & BUS ONLY	1	--	--	--	--	--	--	--																72
										TOTAL KVA:	35.91	A	B	C											
										TOTAL AMPS:	109.6	97.6	93.3												

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
HVAC	1 kVA	100.00%	1 kVA	
POWER	1 kVA	100.00%	1 kVA	TOTAL CONN. LOAD: 36 kVA
REC	34 kVA	64.52%	22 kVA	TOTAL EST. DEMAND: 24 kVA
				TOTAL CONN.: 100 A
				TOTAL EST. DEMAND: 66 A

NOTES:

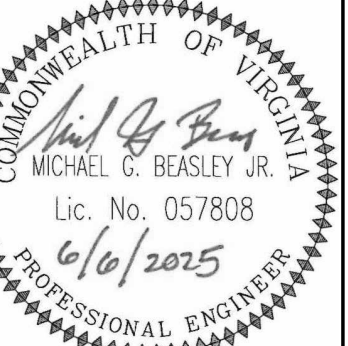


ARCHITECTURAL PARTNERS

10 9th Street
 Lynchburg, Virginia 24504
 phone: 434-846-8456
 fax: 434-846-4534
 architecturalpartners.com

BOTETOURT COUNTY
RMFDE - 911 COMPLEX
 43 EASTPARK DRIVE, ROANOKE, VA 24019
 PROJECT NO.: 24100

BID SET



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE ADVISED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

DATE: 2025-06-06
 DESIGNED: TBC
 DRAWN: TBC
 CHECKED: MGB
 REVISIONS:

No.	Date
2	2025/07/01

PANEL SCHEDULES (3 OF 3)



904 Lakeside Drive, Lynchburg VA 24501
 434-846-1350 Fax: 434-846-1351

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