A RESTORATION FOR

RPS Administration Building

PHASE 3

500 W Walnut St, Rogers AR 72756

Issue Date: 11/25/2025

Revision Date: 12/17/2025

Project No.: 2534

Drawing Index

Hight Jackson ASSOCIATES

5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A QUALITY CONTROL CHECK, INCLUDING THE APPROPRIATE COORDINATION AMONG DISCIPLINES, HAS BEEN MADE ON THIS PROJECT'S DOCUMENTS, AND CORRECTIONS RELATED TO THIS CHECK HAVE BEEN MADE. THE UNDERSIGNED PRINCIPAL/OWNER STATES THAT THESE PLANS AND SPECIFICATIONS AS SUBMITTED FOR REVIEW ARE, TO THE BEST OF HIS OR HER KNOWLEDGE AND ABILITY, COMPLETE AND READY FOR REVIEW

REGISTERED ARCHITECT GAYLE H. SHEPHERD No. 3438 ARKANSAS

HIGHT JACKSON ASSOCIATES, P.A. REGISTERED ARCHITECTS Certificate C 349 ARKANSAS

REGISTERED ARCHITECT SHAYAN DEHBOZORGI License/Number 9033 STATE OF ARKANSAS

Issue Date:11/25/2025

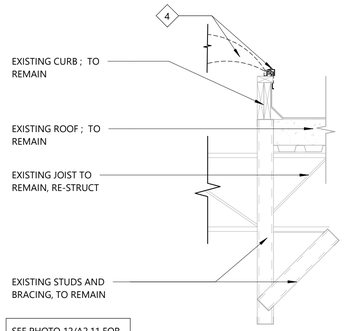
PROJECT NO.: 2534

General Demolition Notes

1. AFTER THE FIRE, THE FOLLOWING REMEDIATION WORK HAS BEEN COMPLETED
   A. GYPSUM BOARD ON THE MAJORITY WALLS HAS DEMOLISHED (SEE DRAWINGS WHERE EXISTING GYP.BD IS TO REMAIN) , PREP/ REPAIR METAL STUDS FOR REINSTALLATION OF NEW 5/8" TYPE X GYP.BD.
   B. THE MAJORITY OF EXISTING COUNTERTOPS, MILLWORK, CABINETS, SHELVES, HOOKS AND FURNITURE HAVE BEEN REMOVED ;REPAIR WALL AND CONCRETE SLAB AS NEEDED FOR NEW CONSTRUCTION (SEE DRAWINGS FOR DEMO OF RECEPTION DESK)
   C. EXISTING FLOORING HAS BEEN DEMOLISHED; PREP FLOOR FOR NEW FINISH
   D. SELECT DOORS AND FRAMES ARE DEMOLISHED, PREP AND REPAIR METAL STUDS AROUND FOR NEW CONSTRUCTION (DOORS AND FRAMES EXISTING TO REMAIN)
   E. EXISTING ROLLER SHADES HAVE BEEN DEMOLISHED. REPAIR ANY EXISTING WINDOW FRAMES FOR INSTALLATION OF NEW ROLLER SHADES.
   F. THE MAJORITY OF EXISTING LIGHTS ARE DEMOLISHED. REFER TO ELECTRICAL/LIGHTING PLAN FOR ADDITIONAL NOTES. (SEE DRAWINGS FOR DEMO OF ADDITIONAL LIGHTS)
   G. EXISTING CEILING AND GRID HAS BEEN DEMOLISHED (EXCEPT 100 LOBBY AND RESTROOMS 101, 102) SEE DRAWINGS FOR DEMO INSTRUCTION; PREP FOR NEW INSTALLATION
   H. ROOM SIGNS ARE DEMOLISHED, EXPECT ROOM SIGNS IN WAITING (100B), HALL, 100C, OFFICE (104), WOMEN AND MEN RESTROOMS(102),(101), AND ELECTRICAL (103). THESE SIGNS ARE TO BE PROTECTED AND RE-INSTALLED
   I. ALL EXIT LIGHTS, EQUIPMENT AND SYSTEMS SUCH AS OCCUPANCY SENSORS, FIRE ALARM DEVICES, ETC ARE REMOVED. RE-ELECT.
   J. A PARTIAL AMOUNT OF HVAC EQUIPMENT AND DUCT HAS BEEN DEMOLISHED. RE-MECH FOR ADDITIONAL DEMO
   K. A PARTIAL AMOUNT OF ELECTRICAL WIRING, CONDUIT, J BOXES, DATA CABLING ETC. HAS BEEN DEMOLISHED. RE-ELEC FOR ADDITIONAL DEMO
   L. THE MAJORITY OF THE RUBBERBASE HAS BEEN DEMOLISHED. DEMOLISH ANY EXISTING RUBBER BASE. PROTECT EXISTING WOOD BASE
2. PRIOR TO DEMOLITION AND CONSTRUCTION, IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE EXISTING CONDITIONS OF THE BUILDING BOTH INTERIOR AND EXTERIOR
3. CONTRACTOR TO COORDINATE WITH OWNER THE REMOVAL OF ALL ITEMS OWNER WISHES TO SALVAGE FROM EXISTING REMODEL AREAS PRIOR TO THE START OF CONSTRUCTION.
4. CONTRACTOR TO VERIFY ALL UTILITY CONDITIONS. REMOVAL AND REPLACEMENT OF ANY UTILITY LINE OR CONDUIT REQUIRED TO INSTALL NEW WORK TO BE INCLUDED AS PART OF THIS BID.
5. PROTECT ALL PLUMBING, MECHANICAL, ELECTRICAL, DATA EQUIPMENT, AND OTHER ITEMS NOTED OR INDICATED TO REMAIN. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PAY FOR AND REPAIR OR REPLACE ANY ITEMS DAMAGED DURING WORK TO LIKE-NEW CONDITION PRIOR TO PROJECT CLOSE-OUT.
6. REPORT ANY DISCREPANCIES IMMEDIATELY TO ARCHITECT.
7. REFER TO M.E.P DEMOLITION PLANS AND NOTES FOR ADDITIONAL REMOVAL AND/OR RELOCATION OF SYSTEMS NOT NOTED IN ARCHITECTURAL
8. REPAIR EXISTING STUDS AT LOCATIONS OF ANY DEMOLISHED PORTIONS OF WALLS AND DOOR FRAMES AS REQUIRED FOR NEW SURFACE AND FINISH.
9. REMOVE AND REPLACE ROOFS WHERE NOTED, REFER TO ROOF DEMO PLAN
10. REMOVE ALL METAL ITEMS ASSOCIATED WITH ROOF REPLACEMENT, REFER TO ROOF DEMO PLAN.
11. ALL EXISTING GYP.BD WALL SURFACES AFFECTED BY DEMO OR NEW WORK MUST BE REPAIRED FOR FINAL FINISH SURFACE RE- SPECIFICATION SECTION 092900 FOR TEXTURE REQUIREMENTS AT PAINTED GYP. BD. WALLS
12. CAP OFF ALL UNUSED PLUMBING PIPING AND ELECTRICAL LINES BELOW FLOOR SLAB, OR WITHIN WALLS AS ALLOWED BY CODE. COMPLETELY REMOVE UNUSED ITEMS ABOVE CEILING. PATCH OR INFILL AREAS AS REQUIRED. RE-MEP
13. ANY INTERRUPTION IN SERVICES MUST BE COORDINATED WITH OWNER PRIOR TO SHUT OFF.
14. PHOTO REFERENCES WITH DEMO NOTES ON SHEET 2.11

EXISTING WALL LEGEND

- EXISTING GYP.BD; TO REMAIN
- EXISTING FURRING OVER EXISTING CMU OR CONCRETE; TO REMAIN
- EXISTING WALL TILE; TO REMAIN
- WALL OR STORE FRONT TO BE DEMOLISHED
- (XX) PICTURE REFERENCE, RE - A2.11; FOR ADDITIONAL DEMO NOTES

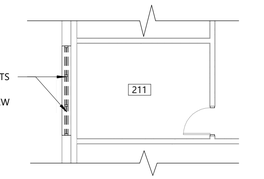


SEE PHOTO 12/A2.11 FOR EXISTING CONDITIONS

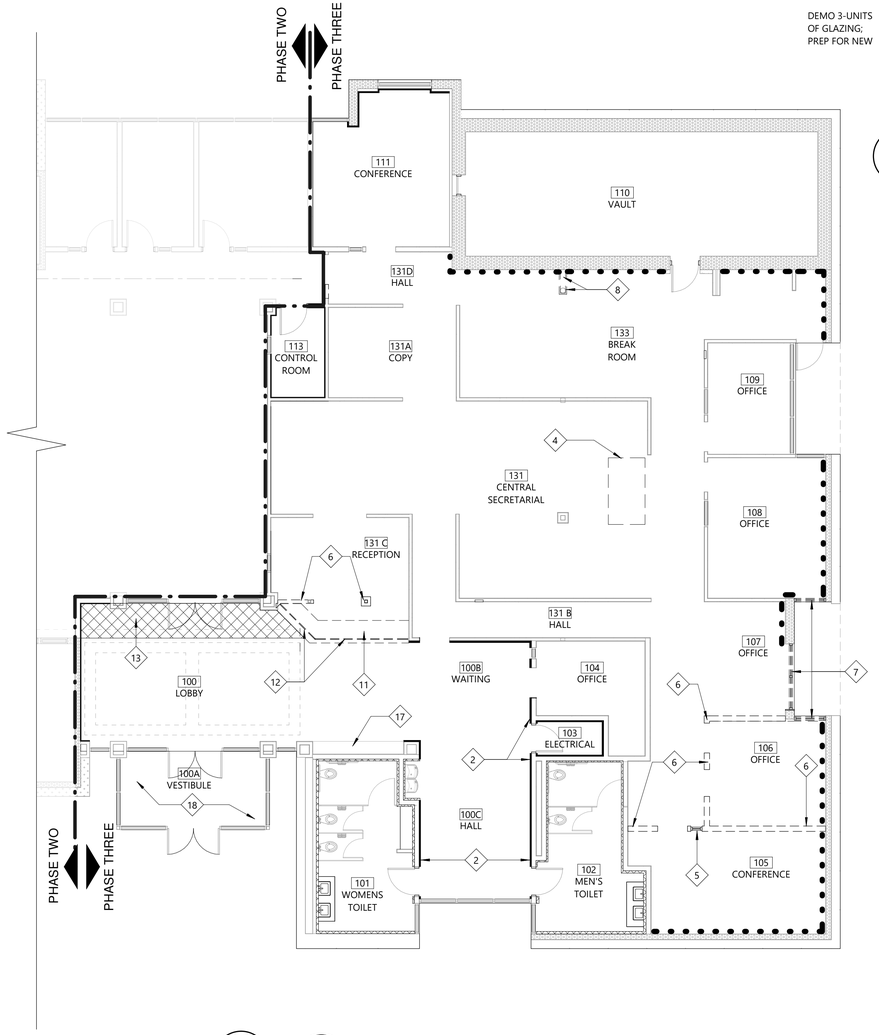
K11 Skylight Demo
3/4" = 1'-0"

PHASE 3 - A2.0 - DEMOLITION KEYED NOTES

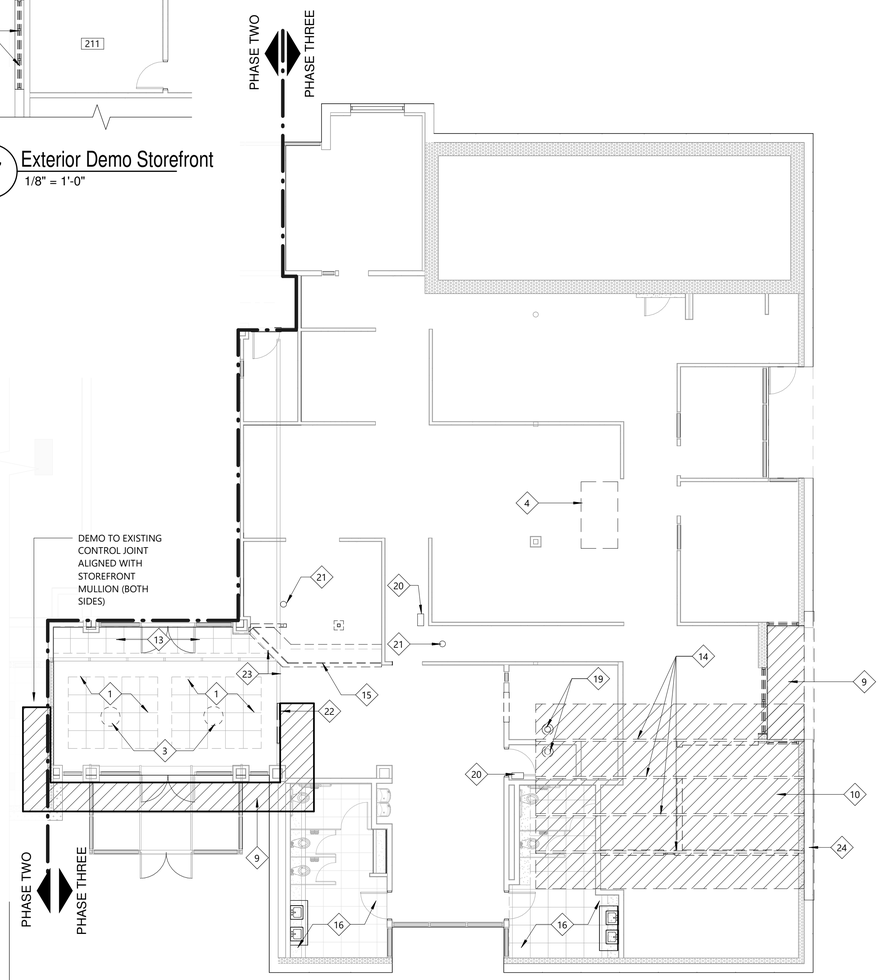
#	Description
1	DEMO EXISTING CEILING TILE, GRID TO REMAIN
2	REMOVE AND PROTECT EXISTING ROOM SIGNAGE FOR REINSTALL
3	DEMO EXISTING DECORATIVE LIGHTS IN LOBBY (100)
4	DEMO EXISTING SKYLIGHT, PREP FOR NEW SKYLIGHT (K11/A2.0)
5	DEMO EXISTING INTERIOR STOREFRONT WINDOW
6	DEMO EXISTING STUDS
7	DEMO EXISTING STOREFRONT
8	DEMO EXISITNG METAL CHANNELS AROUND DRAIN PIPE, AND PREP FOR NEW STUD WALL INSTALLATION
9	DEMO EXTERIOR SOFFIT; AND PREP FOR NEW (SHOWN BOLD SINGLE LINE HATCH)
10	DEMO EXISTING ROOF AS REQUIRED TO INSTALL NEW ROOF JOIST AND DECK. RE-STRUCT (SHOWN LIGHT WEIGHT SINGLE LINE HATCH)
11	DEMO EXISTING RECEPTION DESK
12	DEMO EXISTING GLASS IN RECEPTION
13	DEMO EXISTING FAUX WOOD CEILING TILE AND GRID IN THE FRONT ENTRANCE LOBBY (SHOWN CROSS HATCHED)
14	DEMO EXISITNG ROOF JOIST, RE-STRUCT
15	DEMO EXISTING SOFFIT FURR DOWN, ASSOCIATED METAL STUD FRAMING, BRACING, DECORATIVE LIGHTING, ETC.
16	DEMO EXISTING CEILING GRID
17	PROTECT EXISTING TROPHY CASE
18	DEMO EXISTING RECESSED WALK-OFF FLOOR MATT AND FLOOR TILE
19	DEMO EXISTING ROOF DRAIN AND OVER FLOW ROOF DRAIN
20	DEMO EXISTING ROOF OPENINGS AND CURB FRAMING; INFILL DECK, REPAIR AND INFILL ROOF; RE-MECH
21	DEMO EXISTING CAST IRON PIPING UP THROUGH ROOF AT THESE LOCATIONS. REPAIR AND INFILL ROOF , RE-MECH
22	DEMO EXISTING BROKEN STOREFRONT GLAZING. PREP FOR NEW
23	PROTECT EXISTING FURR DOWN AND EXISTING WOOD TRIM
24	DEMO EXISTING PARAPET CAP. DEMO EXISTING WOOD BLOCKING IF DAMAGED



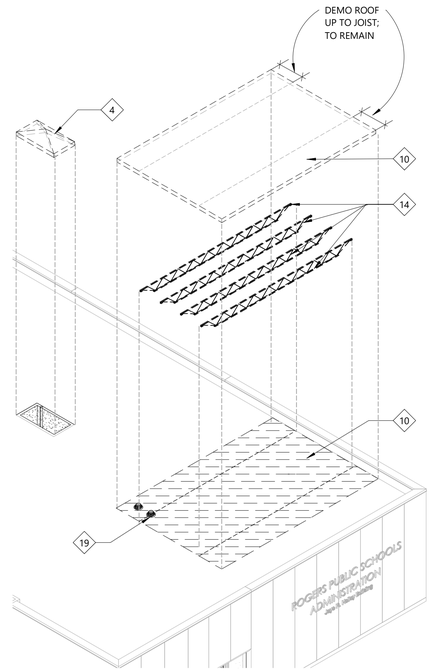
H7 Exterior Demo Storefront
1/8" = 1'-0"



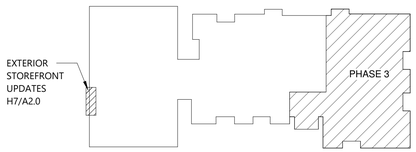
A3 PHASE 03 - First Floor Demolition Plan
1/8" = 1'-0"



A9 PHASE 03 - RCP and Roof Demo
1/8" = 1'-0"



C14 PHASE 03 - Roof Demo Axnometric



KEYPLAN

HIGHT-JACKSON ASSOCIATES, P.A. REGISTERED ARCHITECTS Certificate C 349 ARKANSAS

REGISTERED ARCHITECT SHAWN DEHBOZORGI License Number 9033 STATE OF ARKANSAS

HightJackson ASSOCIATES
5201 W Village Parkway, Suite 300 ı Rogers, Arkansas 72758 ı (479) 464-4965 ı www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: MS
CHECK BY: MM
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

PHASE 3 - DEMOLITION PLAN

SHEET
A2.0

INSTALL 5/8" TYPE X GYP.BD ON EXISTING STUDS, AND INFILLED STUDS TO ABOVE CEILING

INSTALL 3 5/8" METAL STUDS TO INFILL VOIDS

07 Vault Door

APPLY 5/8" GYPSUM BOARD AT METAL STUD WALLS

INSTALL 3 5/8" METAL STUDS; TO COMPLETE END OF WALL

08 Missing Stud

DEMO EXISTING FURR DOWN AT RECEPTION

DEMO EXISTING GLASS

DEMO EXISTING METAL STUDS AROUND COLOUMN

DEMO EXISTING RECEPTION DESK AND LOWER WALL

DEMO EXISTING METAL STUD WALL

09 Reception

EXISITNG ROOF, RE-STRUCT FOR DEMO LOCATIONS

EXISTING LINTEL BEAM; TO REMAIN

DEMO EXISTING LIGHT FIXTURE ; NEW LIGHT FIXTURE TO BE INSTALLED; RE-ELEC

DEMO EXISTING SOFFIT AND FRAMING

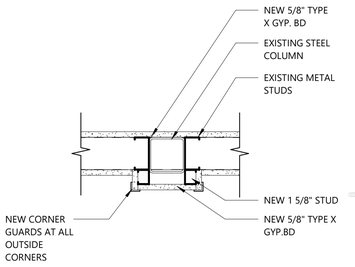
DEMO EXISTING MESH

10 Soffit Panel

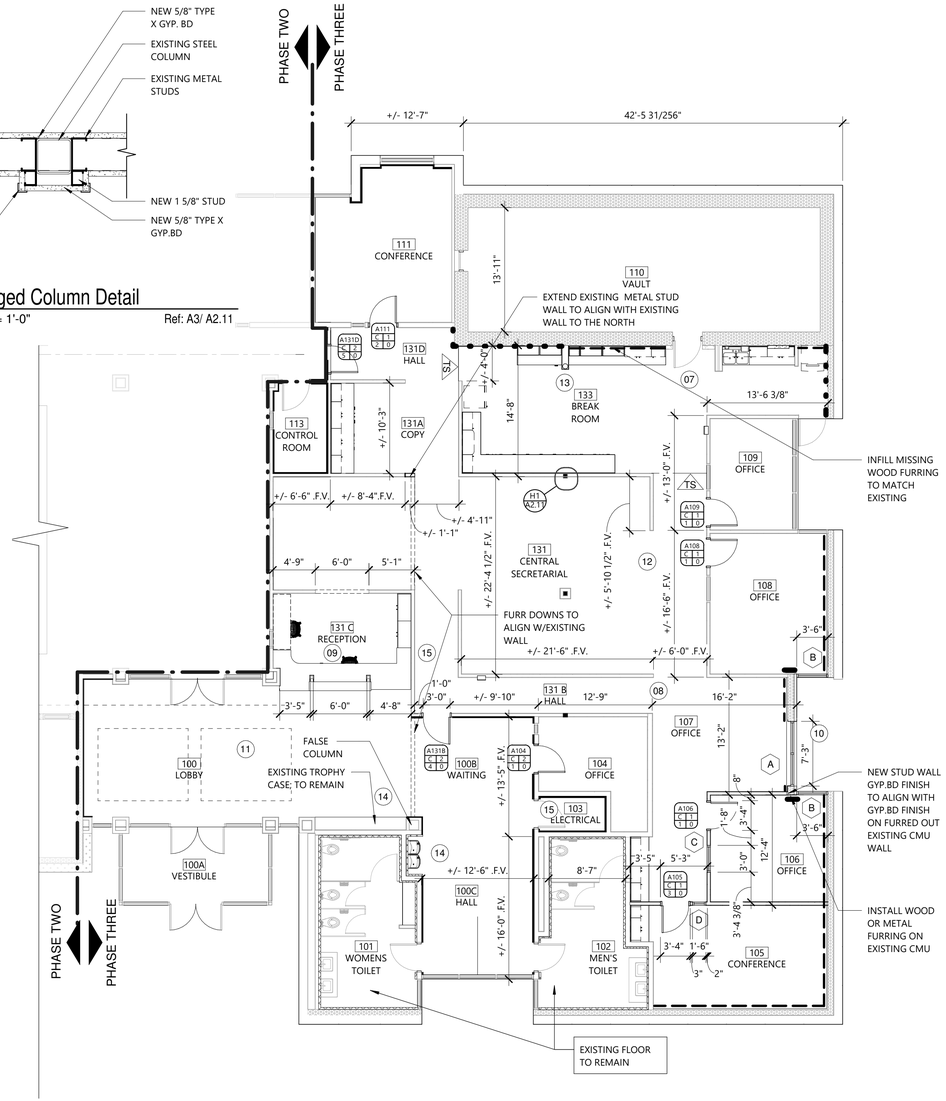
REPAIR AND FINISH, BROKEN EDGE

EXISTING WOOD TRIM; TO REMAIN. ADJUST ANGLED CORNER TO 90° BY CUTTING AND REJOINING WITH 45° MITERS. RE-K9/A2.13

11 Lobby Finish



H1 Enlarged Column Detail
1 1/2" = 1'-0" Ref: A3/ A2.11



A3 PHASE 03 - First Floor Plan
1/8" = 1'-0"

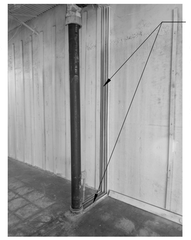
DEMO EXISTING SKYLIGHT, REPLACE WITH NEW

PROTECT EXISTING CURB

EXISITNG FRAMING; REMAIN

INSTALL 5/8" TYP X GYP.BD ON STUDS AND FRAMING AT EXPOSED ROOF JOIST

12 Existing Skylight



DEMO EXISTING CHANNELS AROUND ROOF DRAIN

INSTALL NEW STUDS, RE-M9/A6.1

13 Break Room Drain Pipe

EXISTING TILES ; TO REMAIN

EXISTING DRINKING FOUNTAIN; TO REMAIN

EXISTING GYP BD, PAINT PT-1

EXISTING WOOD BASE TO REMAIN

EXISTING MILLWORK ; TO REMAIN

WOOD TRIM TO REMAIN

EXISTING WOOD BASE TO REMAIN

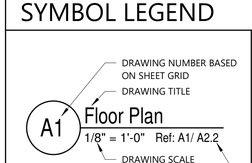
14 Drinking Water Fountain and Trophy Case

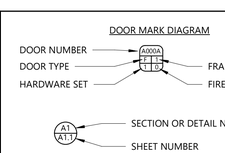
DEMO EXISTING CAST IRON PIPING UPTHROUGH ROOF AT THESE LOCATIONS.ROOF OPENING TO BE INFILLED , RE-MECH AND F14/A2.14

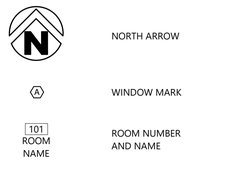
DEMO EXISTING ROOF OPENINGS AND CURB FRAMING; INFILL DECK, REPAIR ROOF; RE-MECH AND F14/ A2.14

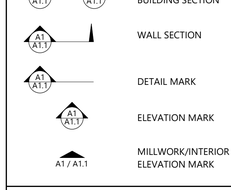
15 Existing Exhaust Openings

SYMBOL LEGEND









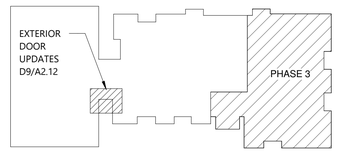
WALL LEGEND

WALL AND PARTITION MATERIALS

- 3 5/8" NEW METAL STUD WALL
- 3 5/8" EXISTING METAL STUD WALL
- EXISTING GYP.BD; TO REMAIN
- EXISTING FURRING WITH NEW 7/8" HAT CHANNEL INSTALLED OVER FURRING TO CREATE 1 5/8" CAVITY
- EXISTING FURRING; TO REMAIN
- EXISTING TILES; TO REMAIN

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO BE FROM FACE OF STUD OR BLOCK UNLESS NOTED OTHERWISE. FIELD VERIFY DIMENSIONS AS MOST WALLS ARE EXISTING
2. FURNITURE AND EQUIPMENT SHOWN DASHED ON PLANS ARE N.I.C. (NOT IN CONTRACT) U.N.O. (UNLESS NOTED OTHERWISE)
3. COMPLY WITH THE US DEPARTMENT OF JUSTICE ADOPTED 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE STATE OF ARKANSAS ADOPTED 2009 ANSI A117.1 STANDARD FOR ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES THROUGH THE 2012 ARKANSAS FIRE PREVENTION CODE BY THE ARKANSAS STATE FIRE MARSHALL IN REGARDS TO ACCESSIBILITY OR HANDICAPPED FEATURES.
4. PROTECT WOOD TRIM TO INCLUDE BUT NOT BE LIMITED TO BASE, MOLDING, DOOR CASING, TOP OF WALL MOLDING ETC. AT 100 LOBBY, 100B WAITING AND 100C HALL



KEYPLAN

HIGHT-JACKSON ASSOCIATES, P.A.
REGISTERED ARCHITECTS
Certificate C 349
ARKANSAS

REGISTERED ARCHITECT
SHAWN DEHBOZORGI
License Number 9033
STATE OF ARKANSAS

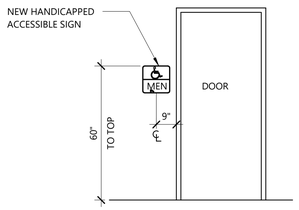
HightJackson ASSOCIATES
5201 W Village Parkway, Suite 300 I Rogers, Arkansas 72758 I (479) 464-4965 I www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

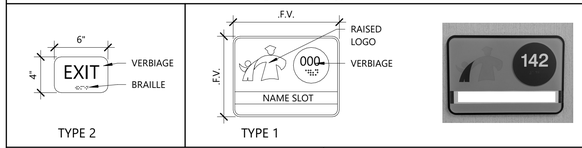
DRAWN BY: MS
CHECK BY: MM
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

PHASE 3 - FIRST FLOOR PLAN
SHEET
A2.11

SIGN SHALL BE MOUNTED ON THE WALL ADJACENT TO LATCH SIDE OF DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" A.F.F. TO THE TOP OF SIGN. MOUNTING LOCATION FOR SIGN SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.



Sign Design Types



Sign Notes :

1. EXISTING SIGNAGE NOTED IN DRAWINGS; TO BE RE-INSTALLED
2. ALL INTERIOR SIGNAGE TO BE MOUNTED AT 60" A.F.F TO TOP OF SIGN
3. NEW SIGN TYPE 1; TO MATCH EXISTING SIGNS

Room SIGNAGE Schedule

#	ROOM NAME	DESIGN
1	OFFICE	TYPE 1
2	EXIT SIGN	TYPE 2
EX	EXISTING RESTROOM SIGN TO BE REINSTALLED	Existing

Specialty Plan Legend

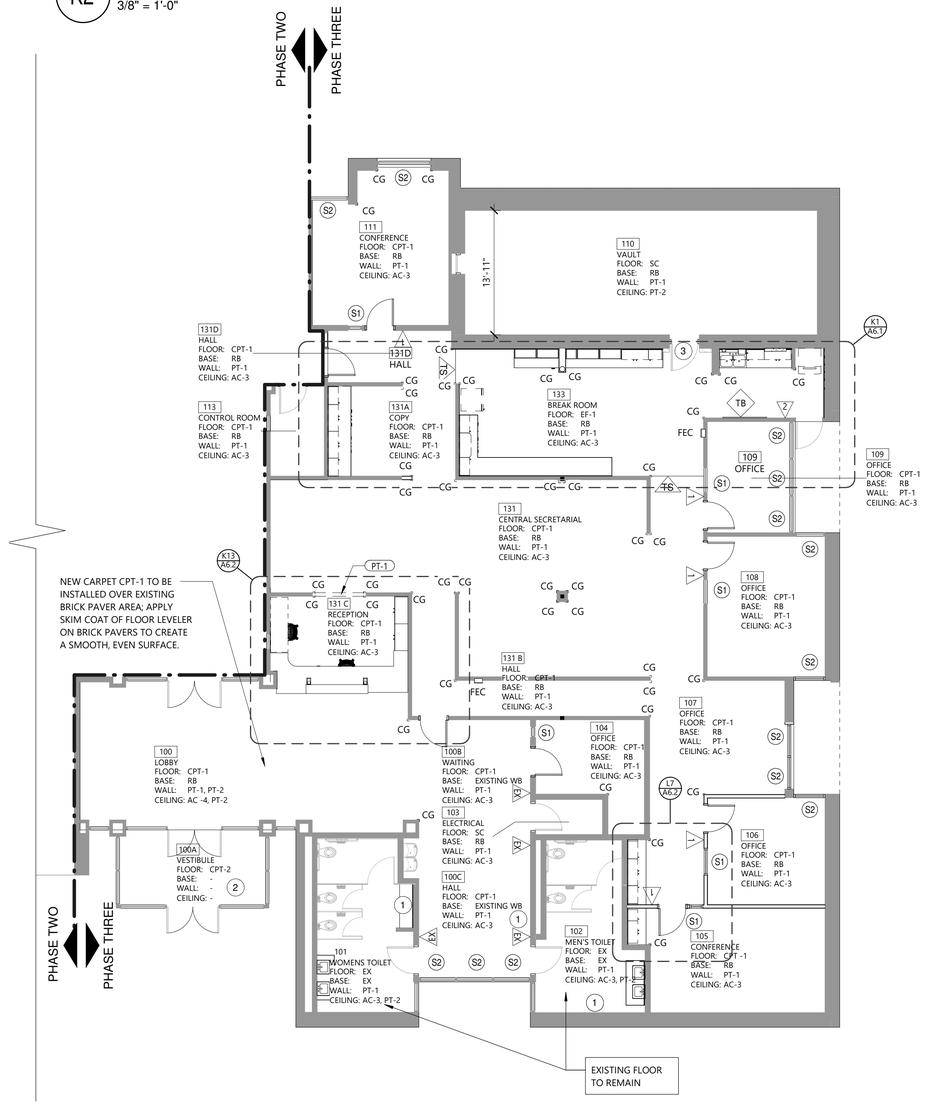
TV	TV MOUNTING BRACKET
S1	INTERIOR WINDOW ROLLER SHADE
S2	EXTERIOR WINDOW ROLLER SHADE
FEC	FIRE EXTINGUISHER CABINET, ALL FEC LOCATIONS TO BE NEW U.N.O
CG	CORNER GUARD
1	SIGN TYPE, RE- ROOM SIGNAGE SCHEDULE
TB	6' X 4' TACK BOARD

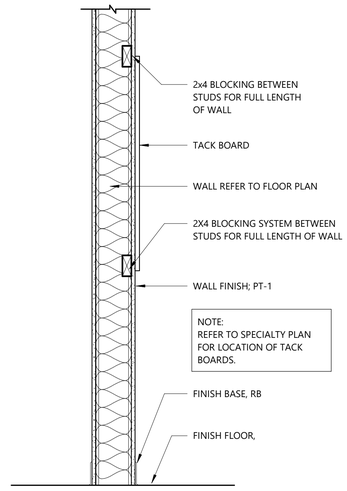
Finish Legend

BASE		
RB	4.5" RUBBER BASE	TARKETT 44 DARK BROWN
CEILING		
AC-1	2' X 2' ACOUSTICAL CEILING TILE	(INSTALL IN EXISITNG GRID)
AC-2	2' X 4' ACOUSTICAL CEILING TILE	(INSTALL IN EXISITNG GRID)
AC-3	2'X 2' ACOUSTIC CEILING TILE	NEW GRID AND TILE
AC-4	2' X 2' ACOUSTICAL CEILING TILE	(INSTALL IN EXISITNG GRID)
ES	EXPOSED STRUCTURE	NO PAINT
ESP-X	EXPOSED STRUCTURE PAINTED	"X" REPRESENTS PAINT NUMBER FROM WALL COLOR LISTED BELOW, DRY FALL
FLOORS		
CPT-1	CARPET TILE, 24" X 24"	J+J, INTRINSIC 7096, COLOR: 2717 AUTHENTIC
CPT-2	WALK OFF ENTRY CARPET	J+J, INCOGNITO 7069, COLOR 1837 OPERATIVE
EF-1	EPOXY GRANITE FLAKE FLOORING	DESCO, HARVEST
RT-1	RUBBER TILES	TARKETT LANDING TILE ,SIZE: 24"X24",COLOR: 29 MOON ROCK ,TEXTURE:RICE PAPRR
RT-2	RUBBER TREADS AND RISERS	TARKETT , COLOR 29 MOON ROCK , TEXTURE : RICE PAPER, SOLID COLOR, RUBEBR INSERT : 40 BLACK
SC	SEALED CONCRETE	CLEAR
MILLWORK		
HPL-1	PLASTIC LAMINATE	WILSONART PEARL SOAPSTONE 4886-38
HPL-2	PLASTIC LAMINATE	WILSONART SABLE SOAPSTONE 4883-38
HPL-3	PLASTIC LAMINATE	WILSONART OILED SOAPSTONE 4882-38
SS-1	SOLID SURFACE COUNTERTOP	WILSON HOT STONE 9201GS
TFL-1	THERMALLY FUSED LAMINATE	WILSONART PEARL SOAPSTONE 4886-38
OTHER		
WC	WALL CARPET	KOROSEAL ACOUSTICS, PATTERN: CHORDS, COLOR: TAUPE CHD-062
WALLS		
PT-1	PAINT	SHERWIN WILLIAMS: 7015 REPOSE GRAY
PT-2	PAINT	SHERWIN WILLIAMS: 7551 GREEK VILLA
PT-3	PAINT	SHERWIN WILLIAMS: 9019 NATURAL LINEN
PT-4	PAINT	SHERWIN WILLIAMS: 6989 DOMINO
PT-5	PAINT	SHERWIN WILLIAMS: 7013 IVORY LACE

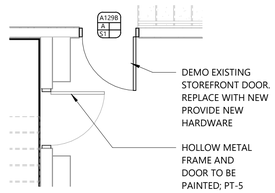
K2 Room Signage Detail
3/8" = 1'-0"

A2 PHASE 03 - Speciality Floor Plan
1/8" = 1'-0"





F9 Tackboard Detail
1" = 1'-0"



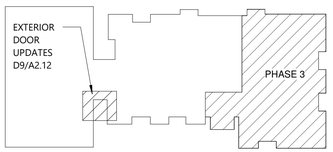
D9 Enlarged Plan @ Exterior Doors
1/4" = 1'-0"

General Finish Notes

1. PROVIDE 1 LAYER 5/8" TYPE X GYPSUM BOARD AT EXISTING AND NEW METAL STUD WALLS, DO NOT PROVIDE NEW GYP.BD OVER EXISTING TO REMAIN AS IDENTIFIED ON A3/A2.0
2. PROVIDE 1 LAYER 5/8" TYPE X GYPSUM BOARD OVER EXISTING WOOD FURRING STRIPS ON CMU AND CONCRETE WALLS. INSTALL NEW WOOD FURRING OR METAL HAT CHANNELS TO MATCH EXISTING FURRING THICKNESS AS NEEDED AT ANY SPACES MISSING FURRING.SEE LEGEND AND NOTES ON A2.11
3. PROVIDE 1 LAYER 5/8" TYPE "X" GYPSUM BOARD INSTALLED ON NEW METAL HAT CHANNELS, OVER EXISTING WOOD FURRING STRIPS ON CMU AND CONCRETE WALLS. INSTALL NEW WOOD FURRING AS NEEDED AT ANY MISSING FURRING . SEE LEGEND NOTES ON A2.11
4. INSTALL NEW ROLLER SHADES, INTERIOR AND EXTERIOR WINDOWS, RE-SPECIALITY PLANS
5. INSTALL NEW RUBBER BASE AT ALL WALLS AND MILLWORK TOE SPACE. DO NOT INTALL OVER WOOD BASE; TO REMAIN
6. PROVIDE ZINC TERMINATION STRIP WHERE EPOXY FLOOR FINISH TRANSITIONS TO ANOTHER FLOOR MATERIAL.
7. REFER TO REFLECTED CEILING PLANS FOR ALL CEILING HEIGHTS AND METAL STUD WITH GYPSUM BOARD HEADWALLS AND FURR DOWN LOCATIONS.
8. UNLESS NOTED OTHERWISE, PAINT WALLS WITHOUT CEILINGS FULL HEIGHT TO UNDERSIDE OF DECK.
9. PROVIDE 6" THICK UNFACED BATT INSULATION IN ALL CEILINGS ABOVE TOILET AND RESTROOM LOCATIONS.
10. PROVIDE A 48" WIDE STRIP OF 6" THICK UNFACED BATT INSULATION ABOVE ALL CEILINGS ON BOTH SIDES OF WALL SEPARATING OFFICES AND CONFERENCE ROOMS FROM OTHER AREAS.
11. INSTALL NEW CARPET TILE, AS SHOWN ON SPECALITY PLAN
12. PROVIDE OUTSIDE CORNER GUARDS AS SPECIFIED ON ALL GYPSUM BOARD OUTSIDE CORNERS UNLESS NOTED OTHERWISE.
13. UNLESS NOTED OR SHOWN ON DRAWINGS OTHERWISE, TERMINATE ALL NON-BEARING, NON-RATED PARTITIONS A MINIMUM 6" TO 8" ABOVE HIGHEST ADJACENT CEILINGS.
14. REFER TO REFLECTED CEILING PLANS FOR WALLS THAT MUST EXTEND TO DECK.
15. PROVIDE SOLID WOOD BLOCKING IN WALLS FOR MOUNTING TACK BOARDS AND TV BRACKETS, SMART BOARDS,
16. ALL WALLS TIGHT TO DECK AT PLENUM SPACES TO BE SEALED AIR TIGHT. COORDINATE LOCATIONS WITH MECHANICAL.
17. PROVIDE TRANSITION STRIP AS SPECIFIED WHERE CARPET TRANSITIONS TO A DIFFERENT FLOOR MATERIAL.
18. REFER TO ELECTRICAL DRAWINGS FOR ALL ELECTRICAL OUTLETS AND SWITCH LOCATIONS. COORDINATE ALL ELECTRICAL OUTLETS AND SWITCHES WITH MILLWORK.
19. PROTECT ALL WOOD TRIM TO INCLUDE BUT NOT BE LIMITED TO BASE, MODLING DOOR CASING
20. FLOOR MATERIAL TRANSITIONS AT DOOR WAYS SHALL HAPPEN BELOW DOOR LEAF IN CLOSED POSITION. FLOOR PATTERN PLANS ARE TO SHOW MATERIAL COLOR AND LAYOUT ONLY.
21. AT WALLS WITH INSULATION THAT ONLY HAVE GYPSUM BOARD ON ONE SIDE OF THE WALL PROVIDE METAL STRAPPING TO SECURE THE INSULATION IN PLACE.
22. REPAINT ALL STUCCO TEXTURED SURFACES (COLUMNS, HORIZONTAL BANDS, CEILING WITH PT-2
23. PAINT EXPOSED BRICK BASE PT-4
24. COUNTERTOP TO BE SOLID SURFACE AT ALL MILLWORK LOCATIONS WITH SINKS, UNLESS NOTED OTHERWISE. REFER TO MILLWORK ELEVATIONS AND SECTIONS.
25. ALL INTERIOR HOLLOW METAL FRAMES TO BE PAINTED, PT-4
26. FASCIA OF WINDOWSHADES TO BE MOUNTED FLUSH WITH INTERIOR GYP. BOARD WALL SURFACE.
27. PROVIDE 4" RUBBER BASE AT ALL MILLWORK TOE SPACES.
28. REMOVE ALL EXISTING ROOM SIGNS PRIOR TO PAINTING AND REINSTALL AFTER PAINTING IS COMPLETE.
29. REFER TO SPECIALTY PLAN AND FINISH LEGEND FOR DETAILED FINISH INFORMATION

Keyed Notes

1. REPAIR WALL TO LIKE NEW CONDITION FROM REMOVAL OF DEVICE
2. INSTALL FLOOR FILLER LEVELER AT REMOVED RECESSED WALK OFF MATT
3. PAINT EXISTING DOOR PT-1, PAINT EXISTING FRAME PT-4



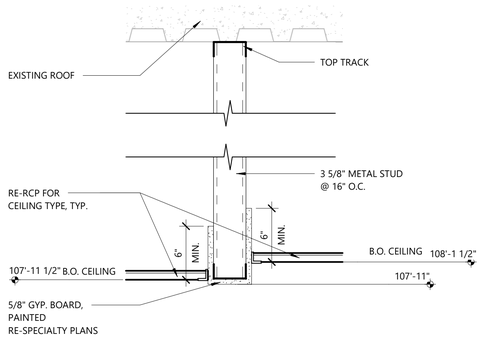
KEYPLAN

HIGHT-JACKSON ASSOCIATES, P.A. REGISTERED ARCHITECTS Certificate C 349 ARKANSAS
REGISTERED ARCHITECT SHAWN DEHBOZORGI License Number 9033 STATE OF ARKANSAS
Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 ı Rogers, Arkansas 72758 ı (479) 464-4965 ı www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

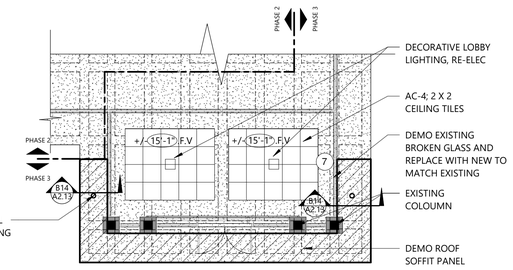
DRAWN BY: MS
CHECK BY: MM
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

PHASE 3 - SPECIALTY PLAN
SHEET
A2.12



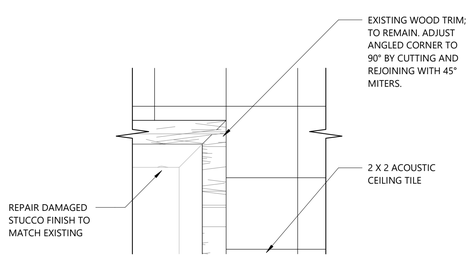
K1 Ceiling Section

1 1/2" = 1'-0" Ref: 2/ A1.0



K5 Lobby High Roof RCP

1/8" = 1'-0"



K9 Enlarged Detail

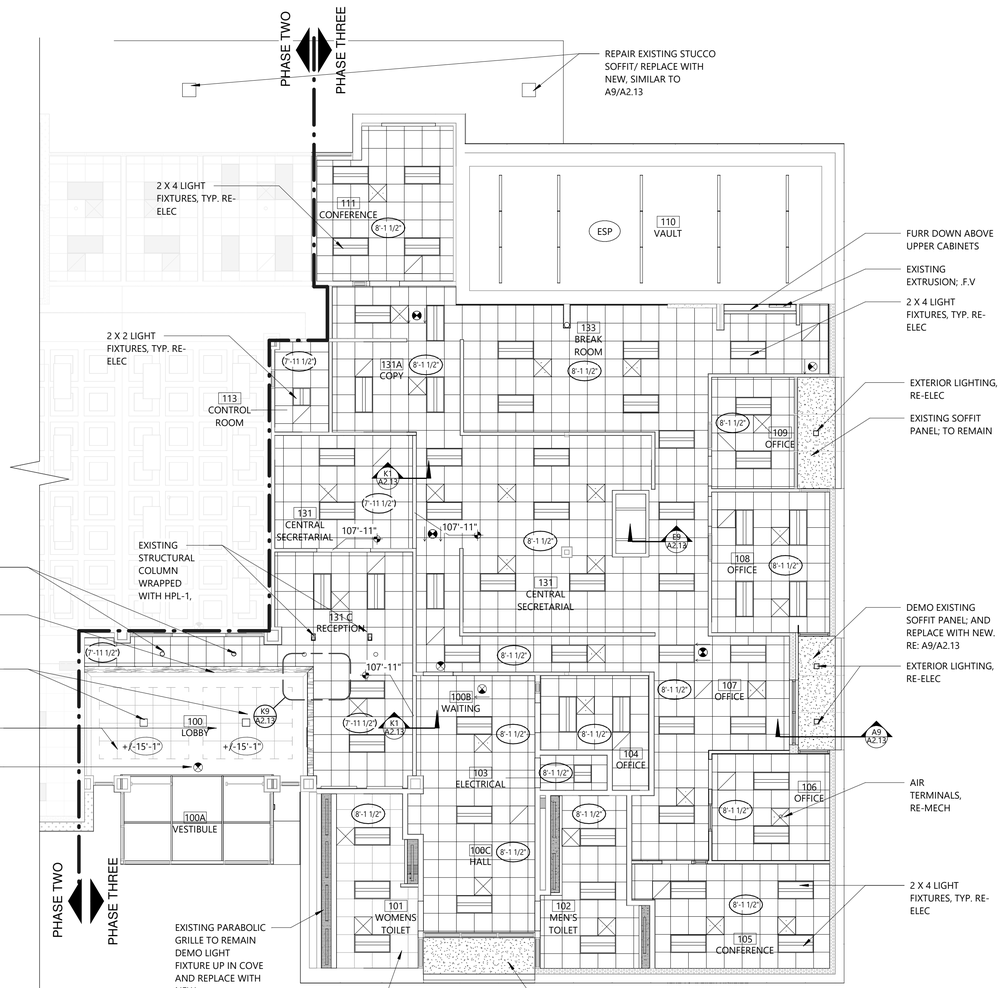
1/2" = 1'-0" Ref: A2/ A2.13

Reflected Ceiling Plan Legend

- 0'-0" — CEILING HEIGHT FROM FINISHED FLOOR
- 0'-0" — FURR DOWN ELEVATION FROM FINISHED FLOOR
- ESP — EXPOSED STRUCTURE PAINTED
- GYPSUM BOARD CEILING
- 2'x2' ACOUSTICAL CEILING
- NEW 2' X 4' LED LIGHT; RE-ELEC
- NEW 2' X 2' LED LIGHT; RE-ELEC
- EXTERIOR CAN LIGHT; RE-ELEC.
- INTERIOR CAN LIGHT; RE-ELEC
- RESTROOM LIGHT
- AIR INTAKE, RE-MECH
- DIFFUSERS, RE-MECH
- EXIT SIGN, RE-ELEC.

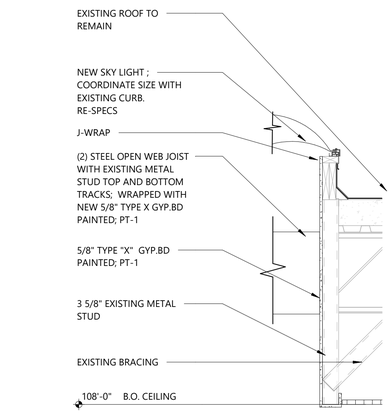
Reflected Ceiling Plan Notes :

1. INSTALL ALL NEW 2 X 2 CEILING TILE AND GRID
2. IN LOBBY 100 UPPER CEILING ; EXISTING 2X2 CEILING GRID TO REMAIN; INSTALL NEW CEILING TILES
3. PROVIDE GYPSUM BOARD CONTROL JOINTS AT SPACING NOT TO EXCEED 30'-0" O.C., RE-SPEC. WHERE CONTROL JOINTS ARE NOT SHOWN, COORDINATE W/ ARCHITECT IN THE FIELD.



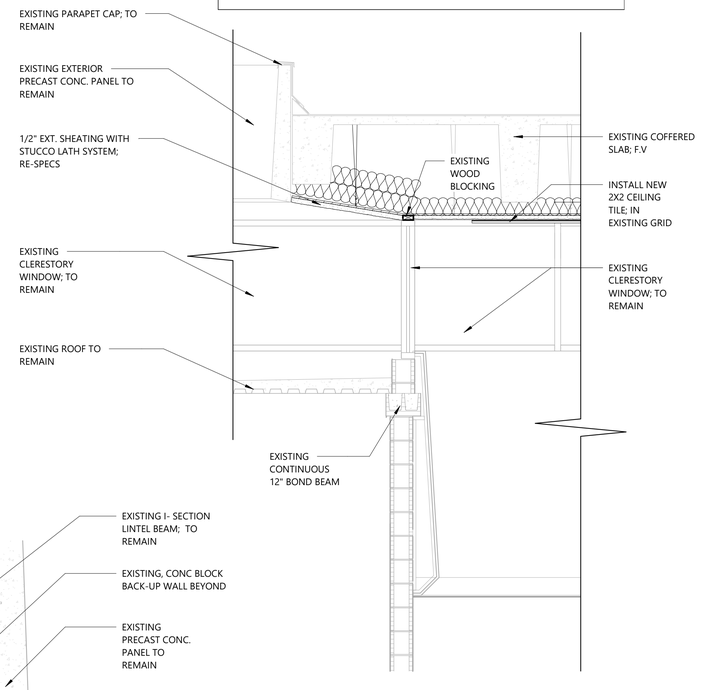
A2 PHASE 03 - First Floor RCP

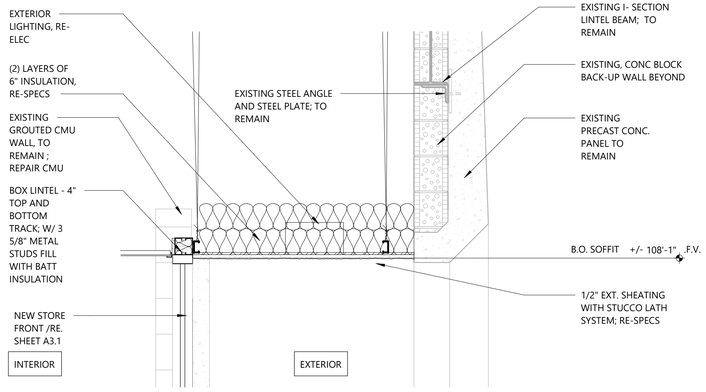
1/8" = 1'-0"



E9 Enlarged Detail

3/4" = 1'-0" Ref: A2/ A2.13



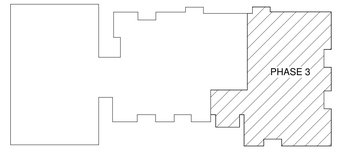


A9 Enlarged Detail

3/4" = 1'-0" Ref: A2/ A2.13

B14 Enlarged Detail

1/2" = 1'-0" Ref: K5/ A2.13



KEYPLAN

HIGHT-JACKSON ASSOCIATES, P.A. REGISTERED ARCHITECTS Certificate C 349 ARKANSAS

REGISTERED ARCHITECT SHAYAN DEHBOZORGI License Number 9033 STATE OF ARKANSAS

HightJackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

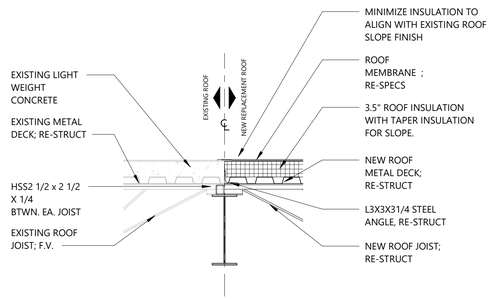
DRAWN BY: MS
CHECK BY: MM
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

PHASE 3 - REFLECTED CEILING PLAN

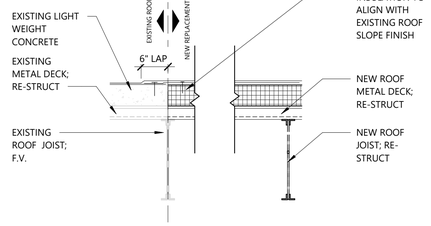
SHEET
A2.13

ROOF PLAN GENERAL NOTES

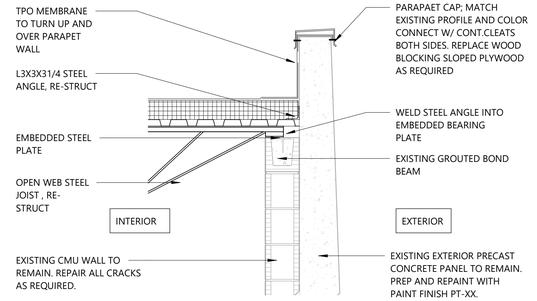
1. ALL "FLAT" ROOFS TO BE PROVIDED WITH A MINIMUM SLOPE OF 1/4 : 12. NO PONDING WATER IS ALLOWED
2. EXISTING ROOF CONSTRUCTION IS METAL DECK WITH ZONOLITE LIGHT WEIGHT CONCRETE
3. ALL UTILITIES ON ROOF TO BE PROVIDED WITH THE PROPER SUPPORTS; REF- PLUMBING AND ELECTRICAL
4. ALL EXPOSED GAS PIPING TO BE PAINTED, REFER TO PLUMBING SPECIFICATIONS
5. CONDENSATE DRAIN LINES TO DISCHARGE DIRECTLY INTO ROOF DRAIN, DO NOT DISCHARGE ONTO ROOF SURFACE



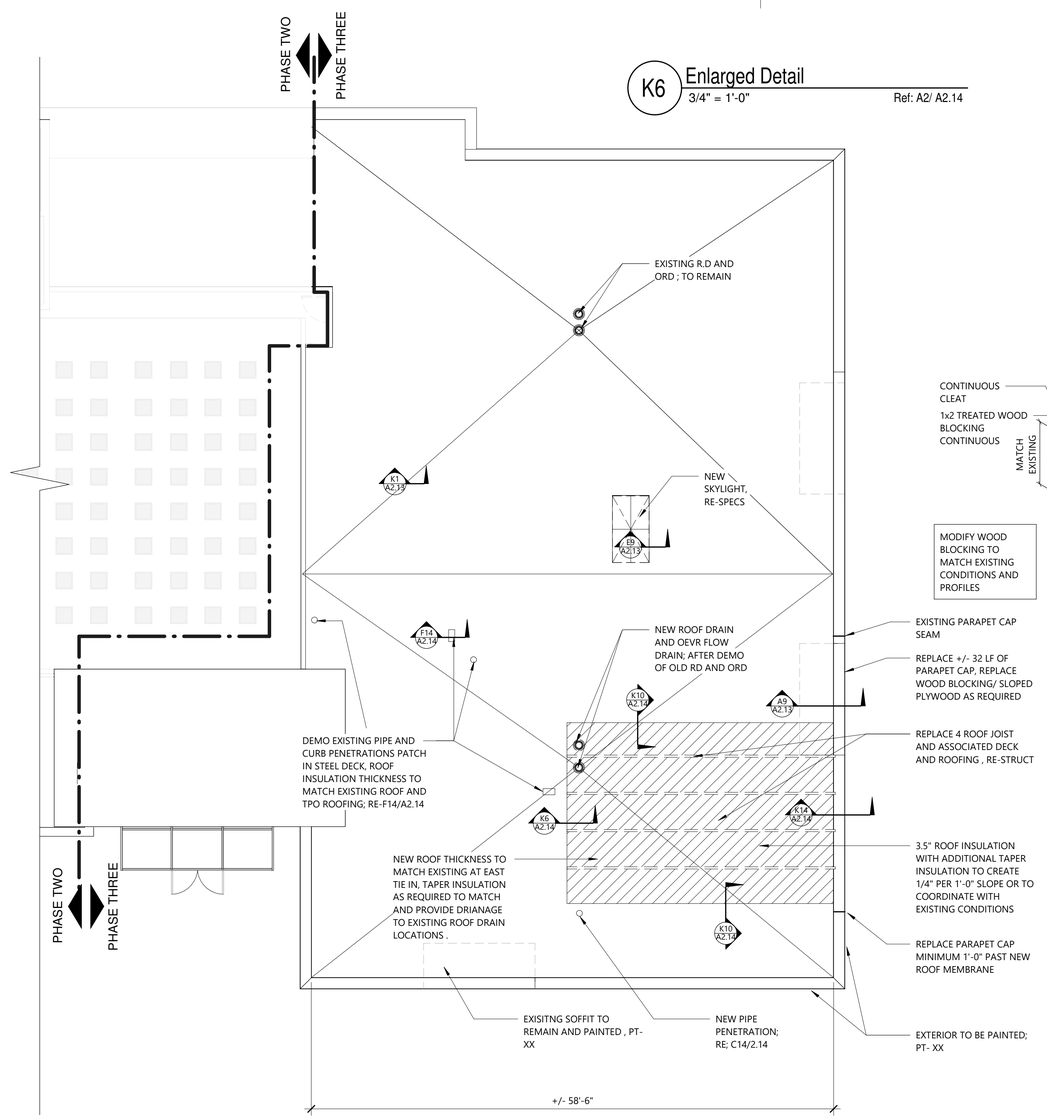
K6 Enlarged Detail
3/4" = 1'-0" Ref: A2/ A2.14



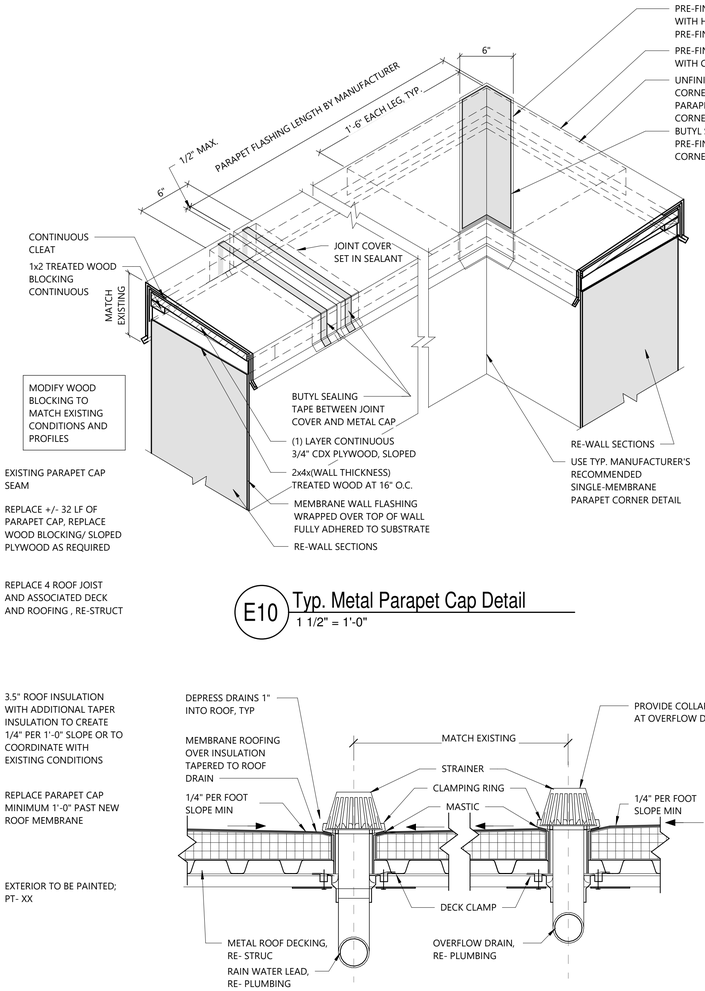
K10 Enlarged Detail
3/4" = 1'-0" Ref: A2/ A2.14



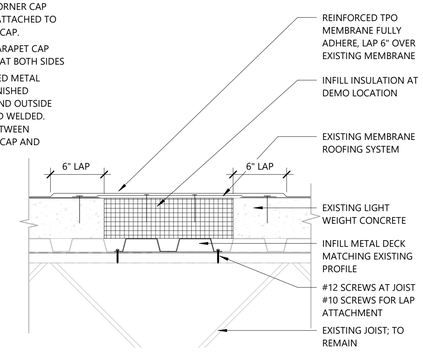
K14 Enlarged Detail
3/4" = 1'-0" Ref: A2/ A2.14



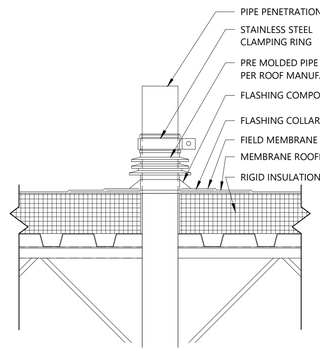
A2 PHASE 03 - Roof Plan
1/8" = 1'-0"



E10 Typ. Metal Parapet Cap Detail
1 1/2" = 1'-0"

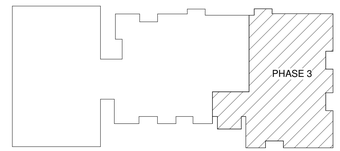


F14 Typ. Roof Infill Detail
1 1/2" = 1'-0"



C14 Typ. Pipe Penetration Detail
1 1/2" = 1'-0"

A10 Typ. Roof Drain Detail
1 1/2" = 1'-0"



KEYPLAN

HIGHT-JACKSON ASSOCIATES, P.A
REGISTERED ARCHITECTS
Certificate C 349
ARKANSAS

REGISTERED ARCHITECT
SHAWN DEHBOZORGI
License Number 9033
STATE OF ARKANSAS

HightJackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

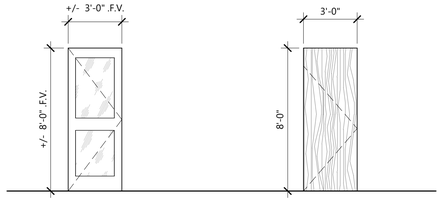
A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: MS
CHECK BY: MM
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

PHASE 3 - ROOF PLAN

SHEET
A2.14

Door Types



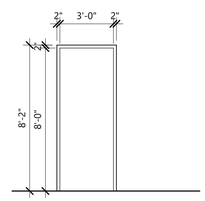
Door Type A

ALUMINIUM STOREFRONT WITH 1" INSULATED TINTED GLASS TO MATCH EXISTING ALUMINIUM FINISH TO MATCH EXISTING

Door Type C

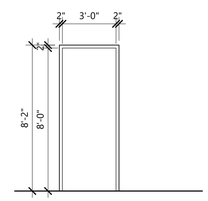
FLUSH WOOD DOOR, SOLID CORE, STAINED

Door Frame Types



Frame Type 1

HOLLOW METAL FRAME PAINTED



Frame Type 2

WOOD CASING

Hardware Sets	
1.	OFFICE LOCKSET, WALL BUMPER
2.	CLASSROOM LOCKSET, WALL BUMPER
3.	CLASSROOM LOCKSET, FRAME MOUNTED OVERHEAD STOP.
4.	STOREROOM LOCKSET, PANIC DEVICE CLOSER W/STOP, ACCESS CONTROL
5.	PASSAGE LATCHSET, WALLBUMPER

Door Schedule

MARK	DETAILS HEAD	JAMB	SILL	NOTES
A104	F7/A3.1	C7/A3.1		
A105	F1/A3.1	F4/A3.1		
A106	F1/A3.1	F4/A3.1		
A108	F1/A3.1	F4/A3.1		
A109	F1/A3.1	F4/A3.1		
A111	F1/A3.1	F4/A3.1		
A131B	F7/A3.1	C7/A3.1		
A131D	F7/A3.1	C7/A3.1		

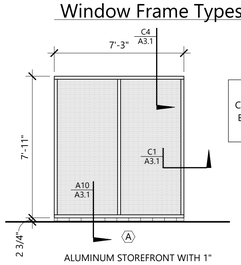
Door Frame & Window Frame General Notes

1 PROVIDE BLOCKING IN GYPSUM BOARD AND STUD WALLS TO ATTACH AND SUPPORT ALL WALL MOUNTED HARDWARE
2 PROVIDE REINFORCING IN HOLLOW METAL AND ALUMINUM DOOR AND FRAMES AS REQUIRED TO PROPERLY SECURE HARDWARE, RE- SPECS
3 PROVIDE SILENCERS FOR ALL HOLLOW METAL DOOR FRAMES UNLESS WEATHER STRIPPING IS PROVIDED
4 REFER TO DOOR TAG AND THIS SHEET FOR HARDWARE SETS FOR WOOD DOOR.
5 WOOD DOOR LEAVES ARE STANDARD 3'-0" WIDE AND 8'-0" HIGH. REFER TO FLOOR PLAN DIMENSIONS AND NOTES ON DOOR SCHEDULE FOR EXCEPTIONS
6 DETAILS TO NOT INDICATE DOOR SWING. REFER TO ARCHITECTURAL FLOOR PLANS FOR DOOR SWING
7 CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND COORDINATION OF FRAME THROAT DEPTHS WITH WALL THICKNESS PRIOR TO ORDERING FRAMES
8 WHERE FLOOR MOUNTED STOPS AND OVERHEAD STOPS ARE USED ON THE SAME DOOR, ALIGN STOPS SO THAT DOOR DOES NOT TWIST WHEN HELD AGAINST STOPS
9 PROVIDE CONTINUOUS HINGES ON ALL EXTERIOR ALUMINUM STOREFRONT DOORS
10 FOR ALL DOORS UP TO 3'-0" WIDE- LEAFS ARE TO HAVE 3 HINGES ON EACH LEAF UNLESS NOTED OTHERWISE.
11 ALL CLOSERS TO HAVE PARALLEL ARMS, UNLESS NOTED OTHERWISE OR INSTALLATION REQUIRES ALTERNATE ARM TYPE
12 PROVIDE FIRE GASKET AROUND PERIMETER OF ALL FIRE RATED DOORS IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE.
13 REFER TO DOOR TAGS AND SPEC. SECTION 08 43 13 FOR HARDWARE SETS AT ALUMINUM STOREFRONT DOORS

Access Control Notes

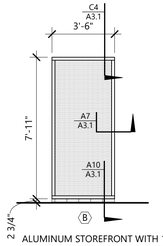
1 AT DOORS TO BE CONTROLLED BY ACCESS CONTROL SYSTEM, COORDINATE LOCATION AND INSTALLATION OF JUNCTION BOXES AND CONDUIT WITH THE ELECTRICIAN AND ACCESS CONTROL CONTRACTOR.
2 CONDUIT MUST BE ROUTED FROM AN ACCESSIBLE POINT ABOVE CEILING TO FRAME JAMB AT WIRE TRANSFER DEVICE LOCATION.
3 REFER TO SPECIFICATION SECTION 08 71 00 FINISH DOOR HARDWARE FOR ACCESS CONTROL HARDWARE TO BE PROVIDED AND INSTALLED.
4 REFER TO SPECIFICATION SECTION 28 13 01 AND ELECTRICAL DRAWINGS FOR ACCESS CONTROL SYSTEM COMPONENTS, JUNCTION BOXES, AND CONDUIT AT

Window Frame Types

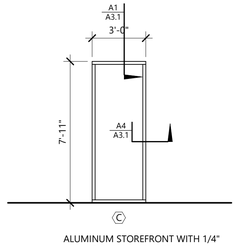


FIELD VERIFY TO COORDINATE WITH EXISTING FRAMED OPENINGS

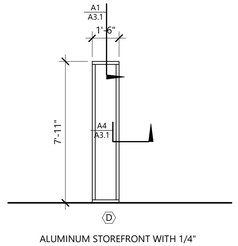
ALUMINUM STOREFRONT WITH 1" INSULATED, TINTED GLASS. EXTERIOR ALUMINUM FRAME
COLOR TO MATCH EXISTING



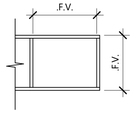
ALUMINUM STOREFRONT WITH 1" INSULATED, TINTED GLASS TO MATCH EXISTING, EXTERIOR ALUMINUM FRAME
COLOR TO MATCH EXISTING



ALUMINUM STOREFRONT WITH 1/4" CLEAR GLASS. INTERIOR ALUMINUM FRAME
COLOR TO MATCH EXISTING

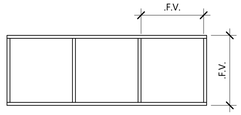


ALUMINUM STOREFRONT WITH 1/4" CLEAR GLASS.
INTERIOR ALUMINUM FRAME
COLOR TO MATCH EXISTING



EX 1

EXISTING STOREFRONT; REPLACE 1 GLAZING UNIT. TINT TO MATCH EXISTING; RE-KEYNOTE 22. A9/A2.0



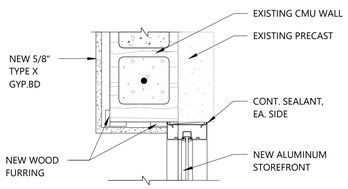
EX 2

EXISTING STOREFRONT; REPLACE 3 GLAZING UNITS. TINT TO MATCH EXISTING; RE- H7/A2.0

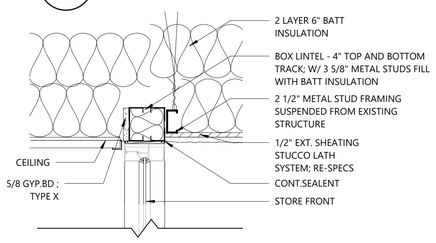
F1 Head Detail
1 1/2" = 1'-0"

F4 Jamb Detail
1 1/2" = 1'-0"

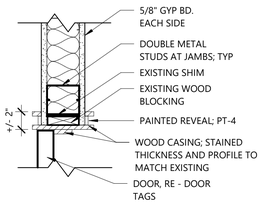
F7 Head Detail
1 1/2" = 1'-0"



C1 Jamb Detail
1 1/2" = 1'-0"



C4 Head Detail
1 1/2" = 1'-0"

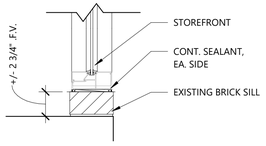


C7 Jamb Detail
1 1/2" = 1'-0"

A1 Head Detail
1 1/2" = 1'-0"

A4 Jamb Detail
1 1/2" = 1'-0"

A7 Jamb Detail
1 1/2" = 1'-0"



A10 Sill Detail
1 1/2" = 1'-0"

HIGHT JACKSON ASSOCIATES, P.A
REGISTERED ARCHITECTS
Certificate C 349
ARKANSAS

REGISTERED ARCHITECT
SHAWN DEHBOZORGI
License Number 9033
STATE OF ARKANSAS

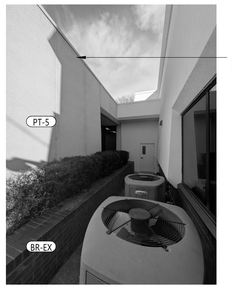
HightJackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: MS
CHECK BY: MM
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

PHASE 3 - DOOR SCHEDULE / DOOR / WINDOW / FRAME ELEVATIONS / DETAILS

A3.1



PARAPET CAP TO REMAIN

L1 SOUTH ELEVATION

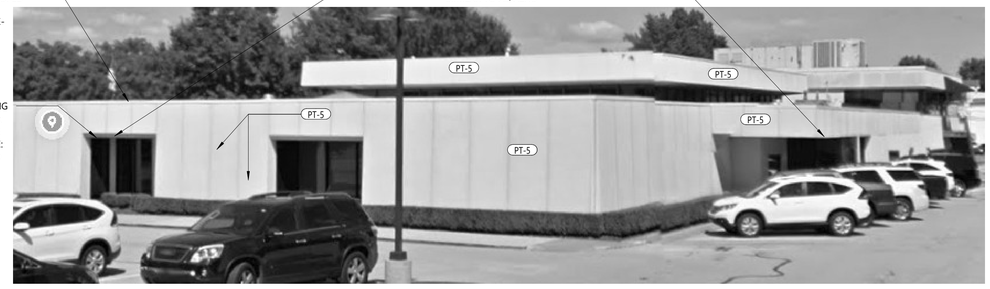
L3 SOUTH ELEVATION

L7 SOUTH ELEVATION

REPLACE +/- 32 LF OF PARAPET CAP, REPLACE WOOD BLOCKING/ SLOPED PLYWOOD AS REQUIRED ; RE-A2/A14

DEMO EXISTING SOFFIT PANEL; AND REPLACE WITH NEW. RE: A9/A2.13 AND PAINT PT-5

REPAIR EXISTING STUCCO SOFFIT/ REPLACE WITH NEW, SIMILAR TO A9/A2.13

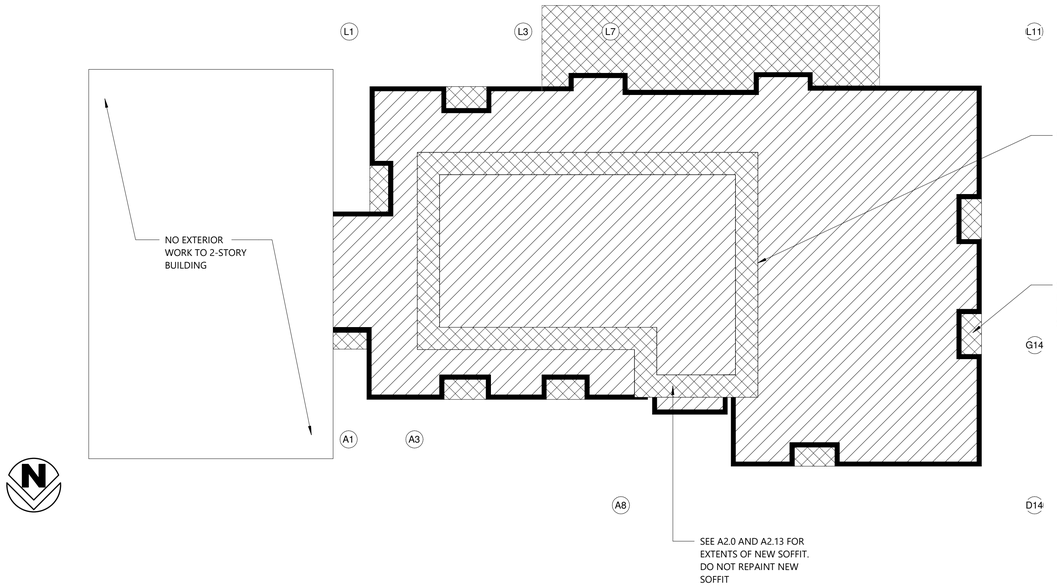


L11 SOUTHWEST CORNER ELEVATION

EXTERIOR MATERIALS SCHEDULE/LEGEND	
PT-5	PRECAST CONCRETE PANELS; PT-5
BR-EX	EXISTING BRICK; TO REMAIN
	BUIDLING PERIMETER TO BE PAINTED
	REPRESENTS BUILDING AREA
	REPRESENTS SOFFIT AREA
XX	PHOTO TAG, PHOTOS THIS SHEET

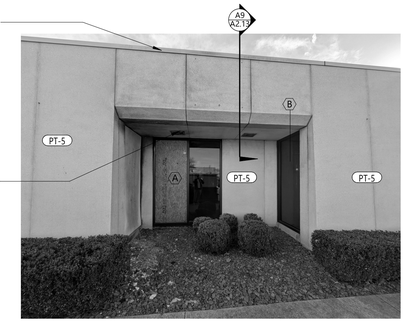
EXTERIOR BUILDING FINISHING NOTES:

1. PROTECT EXISTING BRICK MASONRY. DO NOT PAINT.
2. CLEAN EXISTING PRE-CAST CONCRETE PANELS AND STUCCO SURFACES AS REQUIRED TO ENSURE ADHESION OF NEW
3. PAINT ALL EXPOSED EXTERIOR EXISTING PRECAST CONCRETE PANELS, SOFFITS AND OVERHANGS PT-5.
4. PROTECT ALL STOREFRONT, DOORS, HVAC EQUIPMENT, PARAPET CAPS, LIGHTS, ETC. DO NOT PAINT
5. PROTECT EXTERIOR LETTERING; AND RE-INSTALL AFTER PAINTING
6. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR CONFORMING EXTENT OF WORK. REQUEST ANY CLARIFICATIONS OF PAINTING SCOPE PRIOR TO SUBMITTING BIDS.
7. REFER TO SPECIFICATIONS 09 96 55 BREATHABLE MASONARY COATING FOR EXTERIOR PAINT COATING PRODUCT TO BE USED ON EXTERIOR EXISTING PRE-CAST CONCRETE PANELS AND EXISTING STUCCO SOFFITS
8. PROVIDE AN ALLOWANCE COST TO REMOVE EXISTING SILOXANE SEALER, SILOXANE PP INSTALLED SUMMER 2025. TEST ARE TO CONFIRM BREATHABLE MASONRY COATING ADHERES. IF PRODUCT ADHERES NO REMOVAL OF SILOXANE SEALER IS REQUIRED AND ALLOWANCE RETURNS TO RPS. IF BREATHABLE MASONRY COATING DOES NOT ADHERE TREAT EXISTING BUIDLING WITH SILICONE REMOVER PER SPECIFICATION 09 96 55



REPLACE +/- 32 LF OF PARAPET CAP, REPLACE WOOD BLOCKING/ SLOPED PLYWOOD AS REQUIRED ; RE-A2/A14

DEMO EXISTING SOFFIT PANEL; AND REPLACE WITH NEW. RE: A9/A2.13 AND PAINT PT-5



G14 WEST ELEVATION

REPLACE +/- 32 LF OF PARAPET CAP, REPLACE WOOD BLOCKING/ SLOPED PLYWOOD AS REQUIRED ; RE-A2/A14

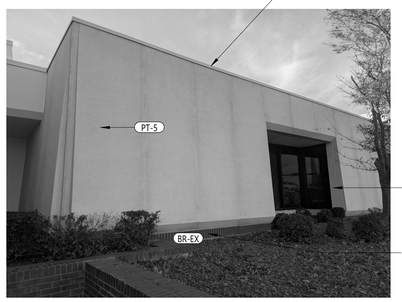
EXTERIOR LETTERING; TO REMAIN. REMOVE AND RE-INSTALL OR PROTECT FROM PAINTING

D14 NORTH WEST ELEVATION

PARAPET CAP TO REMAIN

A1 NORTH ELEVATION

PARAPET CAP TO REMAIN



EXISTING BRICK SOLDIER COURSE

A3 NORTH ELEVATION

A8 NORTH ELEVATION

HIGHT-JACKSON ASSOCIATES, P.A
REGISTERED ARCHITECTS
Certificate C 349
ARKANSAS

REGISTERED ARCHITECT
SHAYAN DEHBOZORGI
License Number 9033
STATE OF ARKANSAS

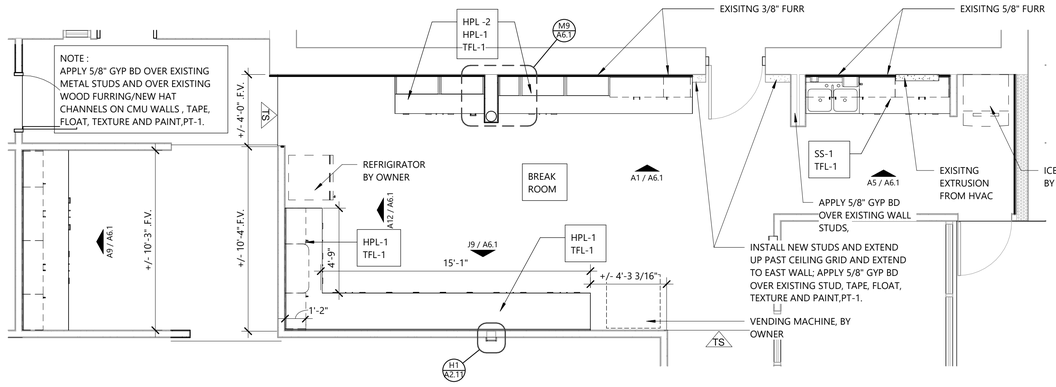
HightJackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

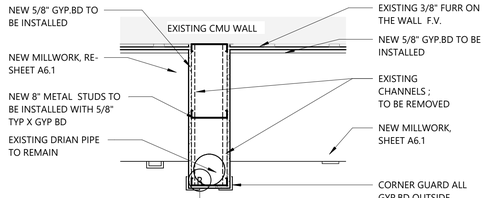
DRAWN BY: MS
CHECK BY: MM
ISSUE DATE: 11/25/2025
PROJECT NO. 2534
REVISION DATES: 12/17/2025

PHASE 3 - BUILDING ELEVATIONS

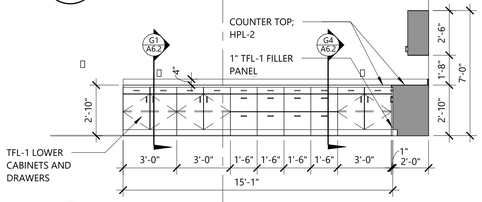
SHEET
A4.1



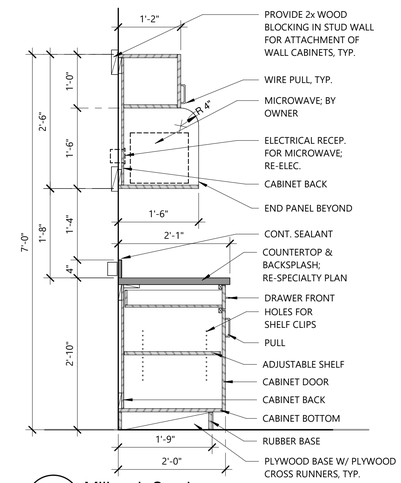
K1 First Floor Plan
1/4" = 1'-0" Ref: A2/ A2.12



M9 Enlarged Detail
3/4" = 1'-0" Ref: K1/ A6.1



J9 Millwork Elevations
1/4" = 1'-0" Ref: K1/ A6.1



J13 Millwork Section
3/4" = 1'-0" Ref: A12/ A6.1

E1 Millwork Section
3/4" = 1'-0" Ref: A9/ A6.1

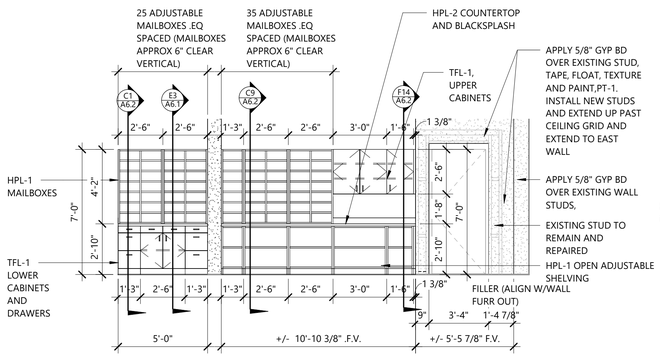
E3 Millwork Section
3/4" = 1'-0" Ref: A1/ A6.1

E6 Millwork Section
3/4" = 1'-0" Ref: A5/ A6.1

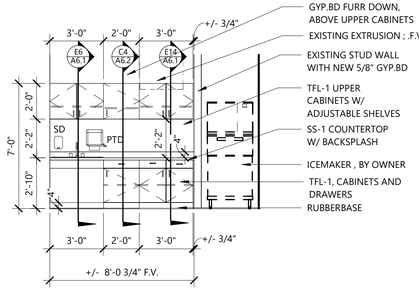
E9 Millwork Section
3/4" = 1'-0" Ref: A12/ A6.1

E11 Millwork Section
3/4" = 1'-0" Ref: A9/ A6.1

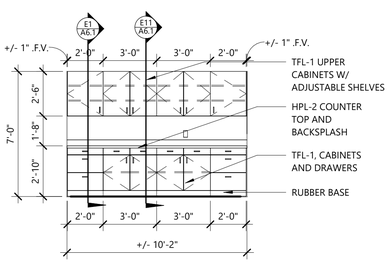
E14 Millwork Section
3/4" = 1'-0" Ref: A5/ A6.1



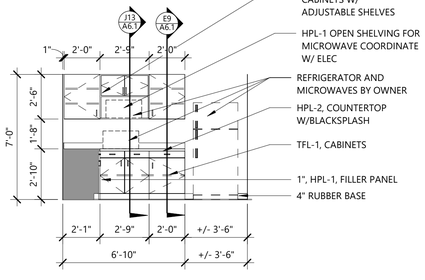
A1 Millwork Elevations
1/4" = 1'-0" Ref: K1/ A6.1



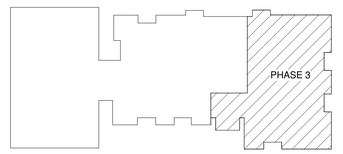
A5 Millwork Elevations
1/4" = 1'-0" Ref: K1/ A6.1



A9 Millwork Elevations
1/4" = 1'-0" Ref: K1/ A6.1



A12 Millwork Elevations
1/4" = 1'-0" Ref: K1/ A6.1



KEYPLAN

HIGHT-JACKSON ASSOCIATES, P.A.
REGISTERED ARCHITECTS
Certificate C 349
ARKANSAS

REGISTERED ARCHITECT
SHAWN DEHBOZORGI
License Number 9033
STATE OF ARKANSAS

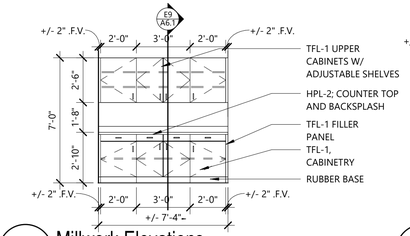
HightJackson ASSOCIATES
5201 W Village Parkway, Suite 300 ı Rogers, Arkansas 72758 ı (479) 464-4965 ı www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

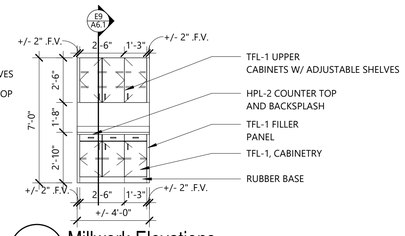
DRAWN BY: MS
CHECK BY: MM
ISSUE DATE: 11/25/2025
PROJECT NO. 2534
REVISION DATES: 12/17/2025

PHASE 3 - MILLWORK ELEVATIONS / DETAILS

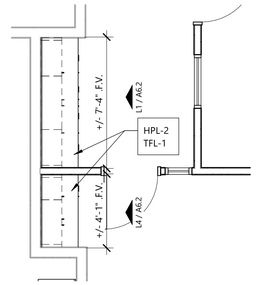
SHEET
A6.1



L1 Millwork Elevations
1/4" = 1'-0" Ref: L7/ A6.2

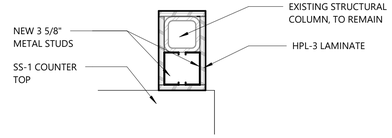


L4 Millwork Elevations
1/4" = 1'-0" Ref: L7/ A6.2

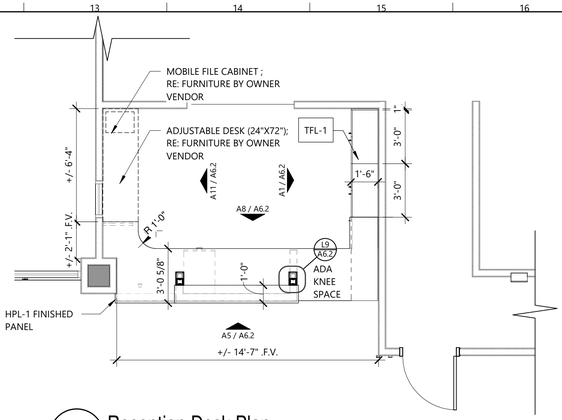


L7 Corridor Millwork Plan
1/4" = 1'-0" Ref: A2/ A2.12

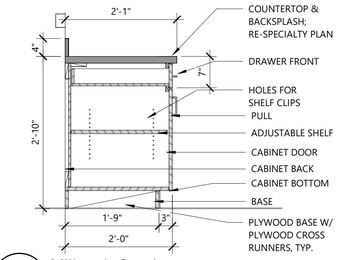
RECEPTION DESK FINISHES	
CABINETS & DRAWERS	TFL -1
COUNTERTOP	SS-1
FRONT LOWER PANELS	HPL - 1
FRONT UPPER PANELS	HPL - 3
REVEALS (TO MATCH COUNTERTOP THICKNESS)	HPL - 2



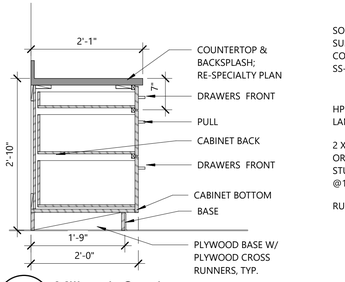
L9 Enlarged Detail
1 1/2" = 1'-0" Ref: K13/ A6.2



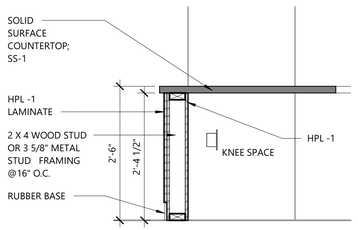
K13 Reception Desk Plan
1/4" = 1'-0" Ref: A2/ A2.12



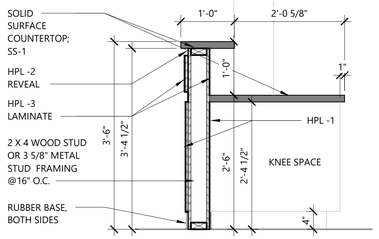
G1 Millwork Section
3/4" = 1'-0" Ref: J9/ A6.1



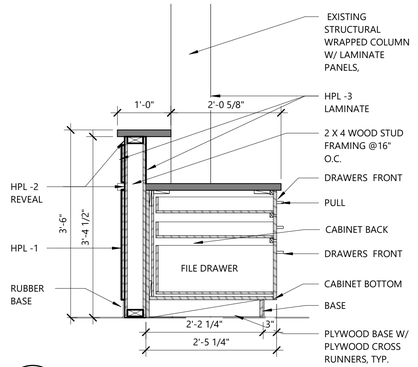
G4 Millwork Section
3/4" = 1'-0" Ref: J9/ A6.1



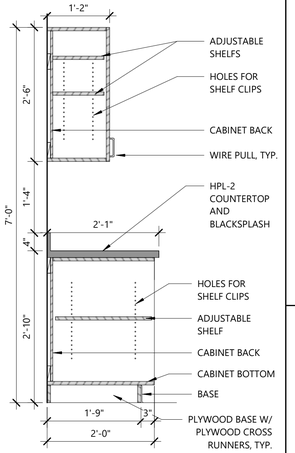
G7 Reception Millwork Section
3/4" = 1'-0" Ref: A5/ A6.2



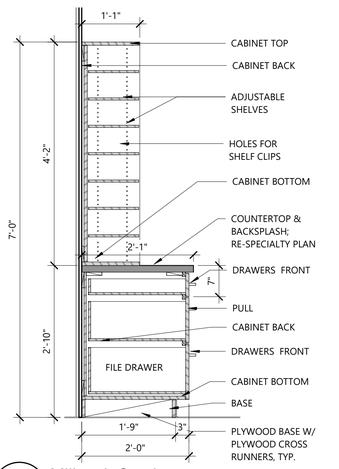
G9 Reception Millwork Section
3/4" = 1'-0" Ref: A5/ A6.2



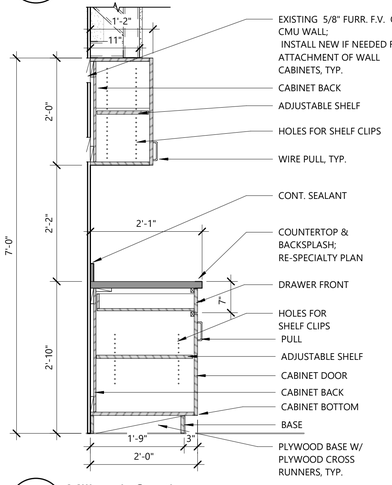
G11 Reception Millwork Section
3/4" = 1'-0" Ref: A5/ A6.2



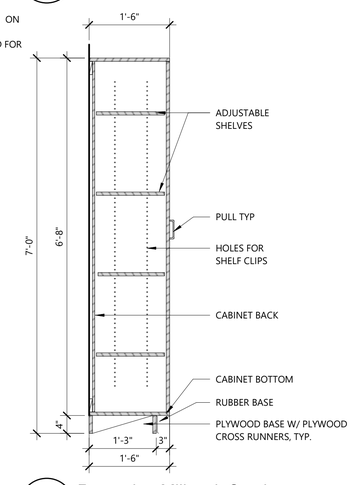
F14 A6.2 Millwork Section
3/4" = 1'-0" Ref: A1/ A6.1



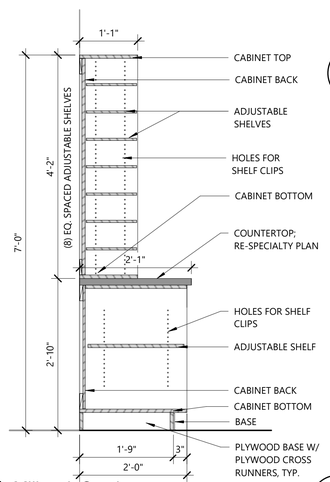
C1 Millwork Section
3/4" = 1'-0" Ref: A1/ A6.1



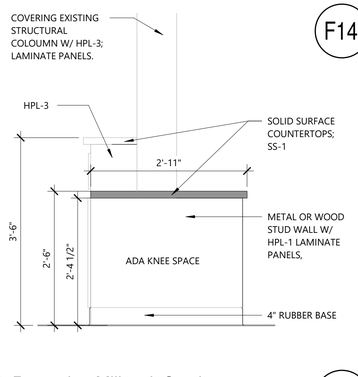
C4 Millwork Section
3/4" = 1'-0" Ref: A5/ A6.1



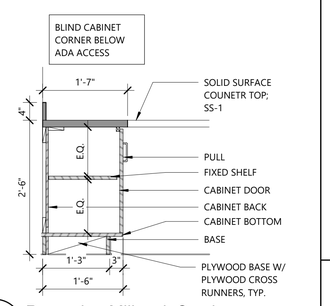
C7 Reception Millwork Section
3/4" = 1'-0" Ref: A1/ A6.2



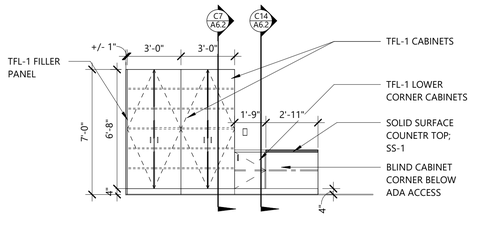
C9 Millwork Section
3/4" = 1'-0" Ref: A1/ A6.1



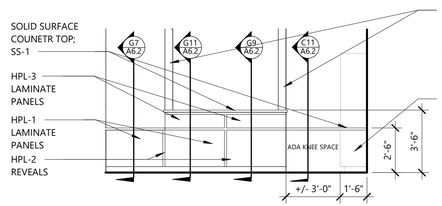
C11 Reception Millwork Section
3/4" = 1'-0" Ref: A5/ A6.2



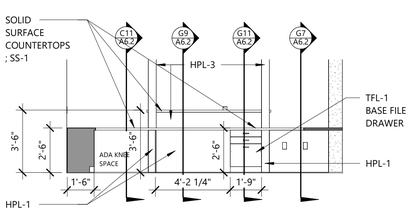
C14 Reception Millwork Section
3/4" = 1'-0" Ref: A1/ A6.2



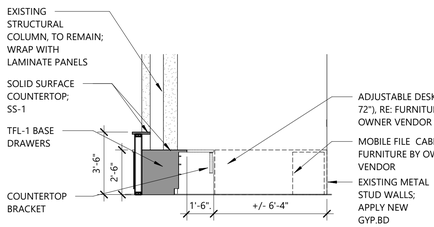
A1 Reception Millwork Elevation
1/4" = 1'-0" Ref: K13/ A6.2



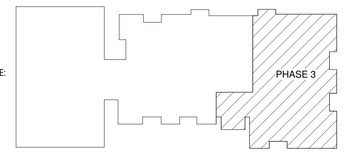
A5 Reception Millwork Elevation
1/4" = 1'-0" Ref: K13/ A6.2



A8 Reception Millwork Elevation
1/4" = 1'-0" Ref: K13/ A6.2



A11 Reception Millwork Elevation
1/4" = 1'-0" Ref: K13/ A6.2



KEYPLAN

HIGHT-JACKSON ASSOCIATES, P.A
REGISTERED ARCHITECTS
Certificate C 349
ARKANSAS

REGISTERED ARCHITECT
SHAWN DEHBOZORGI
License Number 9033
STATE OF ARKANSAS

HightJackson ASSOCIATES
5201 W Village Parkway, Suite 300 I Rogers, Arkansas 72758 I (479) 464-4965 I www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: MS
CHECK BY: MM
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

PHASE 3 - MILLWORK ELEVATIONS / DETAILS 2

SHEET
A6.2

SPECIAL INSPECTIONS

1. Special Inspections shall be performed in accordance with Section 1705 of 2021 IBC. An independent testing agency shall be employed to provide Special Inspections during construction on the types of work listed under Section 1705. The following areas of work require Special Inspections in accordance with 2021 IBC.
2. Refer to project specification for additional quality control/quality assurance requirements.
3. Construction Manager/Contractor shall coordinate any additional Special Inspection requirements with the Owner and applicable building authorities.
4. **Special Inspections are not the responsibility of the Structural Engineer of Record.**
5. **Special Inspections shall be paid for directly by the Construction Manager.**
6. **Copies of all Special Inspections Reports shall be emailed to the SEOR Mark A. Smith, P.E., S.E., (mas@tswstructural.com) or their designate within seven (7) calendar days of completing the individual inspection(s).**

STRUCTURAL STEEL

(IBC 1705.2.1, 1705.13.1 & 1705.14.1)

PRIOR TO WELDING (TABLE N5.4-1, AISC 360-16; TABLE J6-1, AISC 341-16)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Verify welding procedures (WPS) and manufacturer certifications for welding consumable available	X	-----	-----
Verify type and grade of material.	-----	X	For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Welder identification	-----	X	A system shall be maintained by which a welder who has welded a joint or member can be identified. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Fit-up groove welds	-----	X	Verify joint preparation, dimensions, cleanliness, tacking, and backing. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Access holes	-----	X	Verify configuration and finish. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Fit-up of fillet welds	-----	X	Verify dimensions, cleanliness, and tacking. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Check welding equipment	-----	X	-----
Welder qualification records and continuity records	-----	X	-----

DURING WELDING (TABLE N5.4-2, AISC 360-16; TABLE J6-2, AISC 341-16)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Use of qualified welders	-----	X	Verify that welders are appropriately qualified. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Control and handling of welding consumables	-----	X	Verify packaging and exposure control. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Cracked tack welds	-----	X	Verify welding does not occur over cracked tack welds. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Environmental conditions	-----	X	Verify wind speed within limits, precipitation and temperature. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
WPS followed	-----	X	Verify settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Welding techniques	-----	X	Verify interpass and final cleaning, each pass within profile limitations, and quality of each pass. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Steel headed stud anchors	-----	X	Verify placement and installation.

AFTER WELDING (TABLE N5.4-3, AISC 360-16; TABLE J6-3, AISC 341-16)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Welds cleaned	-----	X	Verify welds properly cleaned. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Size, length, and location of welds	X	-----	-----
Welds meet visual acceptance criteria	X	-----	Verify crack prohibition, weld/base metal fusion, crater cross section, weld profiles, weld size, undercut, and porosity meet visual acceptance criteria.
Arc strikes	X	-----	-----
k-area	X	-----	-----
Backing & weld tabs removed and finished, and fillet welds added (if required)	X	-----	-----
Repair activities	X	-----	-----
Document acceptance or rejection of welded joint/member	X	-----	-----
Placement of reinforcing or contouring fillet welds	X	-----	Only required in components of seismic force resisting system.
Weld access holes	-----	X	After rolled heavy shapes are welded, visually inspect the weld access hole for cracks.
Prohibited welds	X	-----	Verify no prohibited welds have been added without approval of the EOR.

STEEL ELEMENTS OF COMPOSITE CONSTRUCTION (TABLES J9-1 thru J9-3, AISC 341-16)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Reinforcing steel	-----	X	Verify appropriate reinforcement size, type, grade, spacing, and orientation; not re-bent in field; correctly tied and supported; and required steel clearances provided. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Composite member size	-----	X	Verify required size. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.

OTHER STEEL INSPECTIONS (SECTION N5.7 & N5.8, AISC 360-16; TABLES J8-1 & J10-1, AISC 341-16)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Structural steel details (fabricated steel or steel frames)	-----	X	Verify compliance with the details in construction documents in items including: braces, stiffeners, member locations, and proper application of joint details at each connection. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Anchor rods and other embedments supporting structural steel	-----	X	Verify compliance with construction documents. Verify diameter, grade, type, length of anchor rod or embedded item, and extent or depth of embedment prior to placement of concrete. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Reduced beam sections (RBS)	X	-----	For seismic force resisting system components: Verify contour and finish as well as dimensional tolerances.
Protected zones	X	-----	For seismic force resisting system components: Verify that no holes or unapproved attachments are made within the protected zone.
H-piles	X	-----	For seismic force resisting system components: Verify that no holes or unapproved attachments occur within the protected zones of piling.
Galvanized structural steel	-----	X	Verify exposed cut surfaces of galvanized structural steel main members and exposed corners of rectangular HSS have no cracks subsequent to galvanizing.

STRUCTURAL STEEL (CONT.)

(IBC 1705.2.1, 1705.13.1, & 1705.14.1)

PRIOR TO BOLTING (TABLE N5.6-1, AISC 360-16; TABLE J7-1, AISC 341-16)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Manufacturer's certifications	X	-----	Verify certifications available for fastener materials.
Fasteners marked	-----	X	Verify marked in accordance with ASTM requirements. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Fastener selection	-----	X	Verify proper selection for joint detail including grade, type, and bolt length if threads excluded from shear plane. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Bolting procedure	-----	X	Verify proper bolting procedure selected for joint detail. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Connecting surfaces	-----	X	Verify connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Pre-installation verification testing by installation personnel	X	-----	Observe and document for fastener assemblies and methods used.
Fastener storage	-----	X	Verify proper storage provided for bolts, nuts, washers, and other fastener components. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.

DURING BOLTING (TABLE N5.6-2, AISC 360-16; TABLE J7-2, AISC 341-16)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Position of fasteners	-----	X	Verify fastener assemblies, of suitable condition, are placed in all holes and washers, if required, are positioned as required. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Joint brought into snug-tight condition prior to the pretensioning operation	-----	X	For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Fastener components not turned by the wrench are prevented from rotating	-----	X	For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Pretensioning of fasteners	-----	X	Fasteners are pretensioned in accordance with the RCSC specification, progressing systematically from the most rigid point toward the free edges. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.

AFTER BOLTING (TABLE N5.6-3, AISC 360-16; TABLE J7-3, AISC 341-16)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Document acceptance or rejection of bolted connections	X	-----	-----

NONDESTRUCTIVE TESTING (SECTION N5.5, AISC 360-16; SECTION J6, AISC 341-16)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
CJP welds (Risk Cat. II)	-----	X	Ultrasonic testing shall be performed on 10% of CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading in materials 5/16-inch thick or greater. Testing rate must be increased if >5% of welds tested have unacceptable defects. See AISC 360-16 Section N5.5f for increase requirements.
CJP welds (Risk Cat. III or IV)	X	-----	Ultrasonic testing shall be performed on all CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints, in materials 5/16-inch thick or greater. See AISC 360-16 Section N5.5e for reduction in rate of ultrasonic testing.
Welded joints subject to fatigue	X	-----	-----
Document all nondestructive testing	X	-----	Verify record indicates basis of rejection and location of defect for all rejected welds.
k-area	X	-----	For components of seismic force resisting system: Perform magnetic particle testing for cracks where welding of doubler plates, continuity plates, or stiffeners has been performed in the k-area. Testing area shall include the k-area base metal within 3 inches of weld. Inspection shall be performed no sooner than 48 hours following completion of welding.
CJP groove welds (all components of seismic force resisting system)	X	-----	Ultrasonic testing shall be performed on 100% of CJP groove welds in materials 5/16-inch thick or greater. Magnetic particle testing shall be performed on 25% of all beam-to-column CJP groove welds. See AWS D1.1/D1.1M Table 6.2 for acceptance/ rejection criteria. See Sections J6-2g and J6-2h in AISC 341-16 for potential reduction in the rate of magnetic particle and ultrasonic testing.
Base metal (>1 1/2")	X	-----	For components of seismic force resisting system: Ultrasonic testing for discontinuities shall be performed, after joint completion, behind and adjacent to fusion line of CJP groove welds where base metal (>1 1/2") is loaded in tension in through-thickness direction in T- and corner joints and the connection material is >3/4" thick. See AWS D1.1/D1.1M Table 6.2 for acceptance/ rejection criteria.
Beam cope and access holes (flange >1 1/2" for rolled shapes, web thickness >1 1/2" for built-up sections)	X	-----	For components of seismic force resisting system: Magnetic particle testing or penetrant testing shall be performed.
Reduced beam section repair	X	-----	For components of seismic force resisting system: Magnetic particle testing shall be performed on any weld and adjacent area of the reduced beam section cut surface that has been repaired by welding, or on the base metal of the reduced beam section cut surface if sharp notch has been removed by grinding.
Weld tab removal sites	X	-----	For components of seismic force resisting system: Magnetic particle testing shall be performed on same beam-to-column joints receiving ultrasonic testing under the CJP groove welds for components of seismic force resisting system listed in this table. See Section J6-2f and Section J6-2b of AISC 341-16 for reference. See Sections J6-2g and J6-2h in AISC 341-16 for potential reduction in the rate of magnetic particle and ultrasonic testing.

STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL

(IBC 1705.2)

STEEL ROOF AND FLOOR DECKS (IBC TABLE 1705.2.2/SDI QA/QC 6.1)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Material verification of cold-formed steel deck	-----	X	Verify deck materials are represented by appropriate mill certifications.
Floor and roof deck welding	-----	X	Verify weld meets acceptance criteria of AWS D.3. Verify welder qualifications.
Floor and deck mechanical fasteners	-----	X	Verify fastener installation in accordance with SDI.
Deck installation	-----	X	Verify deck installation in accordance with applicable drawings and documents.

OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC TABLE 1705.2.3):

Verification & Inspection	Continuous	Periodic	Detailed Instructions
End connections - welding or bolted	-----	X	Verify installation compliance with SJI specifications listed in IBC 2207.1.
Bridging - horizontal or diagonal	-----	X	Verify installation compliance with SJI specifications listed in IBC 2207.1 as applicable.

WELDING OF REINFORCING STEEL (IBC 1705.3.1, TABLE 1705.3)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Verification of weldability	-----	X	Verify weldability of reinforcing steel other than ASTM A706 in accordance with AWS D1.4.
Inspect single pass fillet welds, max 5/16"	-----	X	Verify weld meets acceptance criteria of AWS D1.4.
Inspect all other welds	X	-----	Verify weld meets acceptance criteria of AWS D1.4.

COLD-FORMED STEEL CONSTRUCTION (IBC 1705.2.2, 1705.2.4, 1705.12.2, & 1705.13.3)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Trusses spanning > 60-feet	-----	X	Verify temporary and permanent truss bracing is installed in accordance with approved truss package.
Welding in wind-force-resisting systems or seismic-force-resisting systems	-----	X	Verify proper screw attachment, bolting, anchoring and other fastening of shear walls, diaphragms, drag struts, braces, shear panels and holdowns. See IBC 1705.12.2 for exceptions.
Floor and roof deck welds	-----	X	Verify weld meets acceptance criteria of SDI QA/QC. Verify welder qualifications.

INSPECTION OF FABRICATORS

(IBC 1704.2)

Verification & Inspection	Continuous	Periodic	Detailed Instructions
Verify fabricator maintains detailed fabrication and quality control procedures	-----	X	See IBC 1704.2.5.1.
Submittal of certificate of compliance	-----	X	Where work is done on premises of "Approved" fabricator. Fabricator shall submit a Certificate of Compliance to the building official stating work was performed in accordance with the approved construction documents. See IBC 1704.2.5.1.

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10042
MARK A. SMITH
12/17/25

CERTIFICATE OF AUTHORIZATION
Tatum Smith Welcher Engineers, Inc.
No. 218
ARKANSAS ENGINEER

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: JLC
CHECK BY: MAS
ISSUE DATE: 11/25/25
PROJECT NO.: 2534
REVISION DATES: 12/17/25

REQUIRED IBC SPECIAL INSPECTIONS
SHEET
S1.0

TATUM SMITH WELCHER
STRUCTURAL ENGINEERS
(479) 621-6128 ROGERS, ARKANSAS
TSW #: 25180 PM: MAS DE: MAS

Structural Steel General Notes 5100:

1. All detailing, fabrication and erection of structural steel shall conform to the requirements of the AISC Specification for the Design, Fabrication and Erection of Structural Steel for Buildings.
2. Hollow Structural Section (HSS) shall conform to ASTM A500, Grade C with a yield strength of 50 ksi.
3. All other structural steel shall conform to the requirements of ASTM A36. Angle, plate and beam lintels at exterior wall openings shall be hot-dipped galvanized.
4. All welding shall conform to the Specifications of the American Welding Society. Welding electrodes shall be E-70 low hydrogen series. Welding shall be done by a certified welder.
5. No openings shall be cut in structural members unless shown on the drawings.
6. All exposed edges of plates, beams, etc., shall be shop ground smooth and uniform.
7. 1/2"Ø expansion bolts shall be 1/2"Ø x 5 1/2" long Kwik Bolt 3 by Hilti. Expansion Anchor shall be carbon steel with zinc plating & have a 3 1/2" embedment depth.

Steel Joist General Notes 5200:

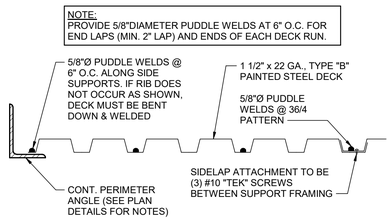
1. The design, fabrication and erection of steel joists shall conform to the Standard Specifications for Open Web Steel Joists of the Steel Joist Institute. Joists have been designed according to the ASD Load Tables. Joist loads shown on the drawings are ASD loads.
2. All hangers supported from open web joists shall be located at bottom chord panel points and shall be connected without field welding or drilling holes in the bottom chord.
3. Joists shall have bridging per SJI Specifications. Roof joists shall have additional bridging, as required to resist stress reversal for the net uplift load indicated.
4. Roof joists shall be designed for a net wind uplift of 18 psf. One-third stress increase of joists for wind uplift will not be allowed.
5. "K" Joists framing into or nearest to columns shall be field bolted with (2) 1/2" diameter A307 bolts and have a 1/4" x 6" x 6" bottom chord stabilizer plate to provide lateral stability during construction. Do not weld bottom chord to stabilizer plate.
6. Attach joist top and bottom chord bridging to masonry walls with L2 1/2 x 2 1/2 x 3/16 x joist depth and (3) 1/2"Ø sleeve anchors, minimum.

Steel Deck General Notes 5300:

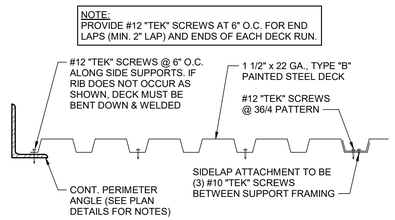
1. Typical roof deck shall be 1 1/2" deep, 22 gauge, wide rib type and shall have nested side laps (Vulcraft 1.5B22, New Millennium 1.5B22 or approved equal). See Roof Framing Plans for limits of roof deck.
2. Roof deck shall be attached to the steel framing per the Roof Deck Fastening Pattern Detail 1/S1.2.
3. Roof deck fastening pattern has been designed for a net wind uplift of 55 psf at corner zones, 35 psf at side zones and 20 psf at interior zones for roofs.
4. All deck shall be fastened per Steel Deck Institute (SDI) requirements.
5. Deck specified has been determined on basis of 3 span condition; deck supplier shall use heavier gauge if required for one and two span conditions.

Design Loads

1. Typical Roof Dead Load: 20 psf
2. Roof Live Load: 20 psf
3. Rain Intensity, (15 min,): 6.44 in/hr
4. Snow Load:
   - Ground Snow Load: 15 psf
   - Flat-roof Snow Load at main roof (P_f) = 15 psf
   - Slope Factor (C_s) = 1.0
   - Snow Exposure Factor (C_e) = 1.0
   - Snow Load Importance Factor (I_s) = 1.1
   - Thermal Factor (C_t) = 1.0
5. Wind Load:
   - Ultimate Design Wind Speed (V_{ult}): 115 mph
   - Nominal Design Wind Speed (V_{asd}): 89.1 mph
   - Risk Category II
   - Wind Exposure C
   - Internal Pressure Coefficient, GC_{pi} = ±0.00
6. Building Code:
   - 2021 International Building Code
   - 2021 Arkansas Fire Prevention Code, Volume II



1 1/2" ROOF DECK W/ WELDS



1 1/2" ROOF DECK W/ SCREWS
(CONTRACTOR OPTION)

1 TYP. ROOF DECK FASTENING PATTERN DETAIL

NOT TO SCALE

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 18042
MARK A. SMITH
12/17/25
CERTIFICATE OF AUTHORIZATION
Tatum Smith Welcher Engineers, Inc.
No. 218
ARKANSAS ENGINEERING

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

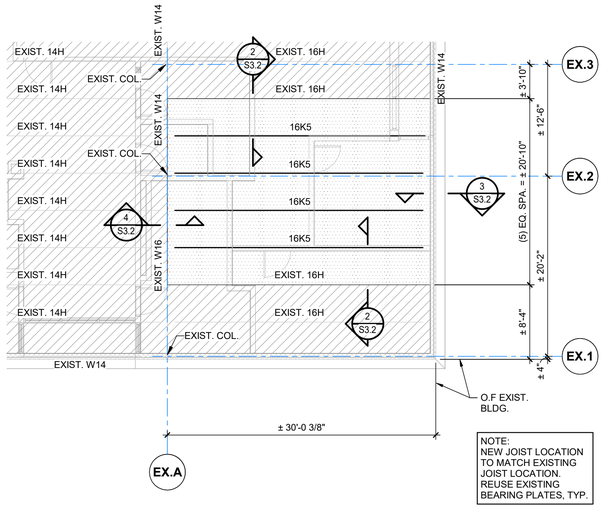
A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: JLC
CHECK BY: MAS
ISSUE DATE: 11/25/25
PROJECT NO.: 2534
REVISION DATES: 12/17/25

FRAMING GENERAL NOTES & TYP. DETAILS

SHEET S1.2

TATUM SMITH WELCHER
STRUCTURAL ENGINEERS
(479) 621-6128 ROGERS, ARKANSAS
TSW #: 25180 PM: MAS DE: MAS



NOTE:
NEW JOIST LOCATION TO MATCH EXISTING JOIST LOCATION. REUSE EXISTING BEARING PLATES, TYP.

NORTH

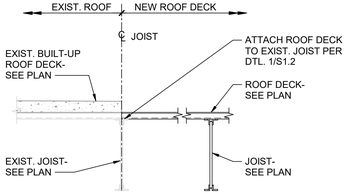
1 ROOF FRAMING PLAN
1/8" = 1'-0"

LEGEND:

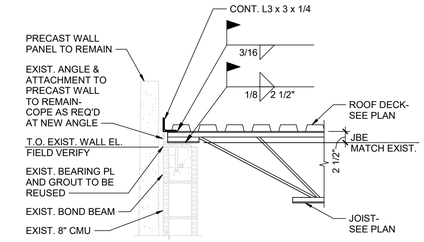
O.F.	DENOTES OUTSIDE FACE
JBE	DENOTES JOIST BEARING ELEVATION
TOS	DENOTES TOP OF STEEL
	DENOTES LIMITS OF 1 1/2" x 22 GA. ROOF DECK (SEE PLAN NOTES)
	DENOTES LIMITS OF EXISTING ROOF DECK
	DENOTES EXIST. LOAD-BEARING CMU WALL

PLAN NOTES:

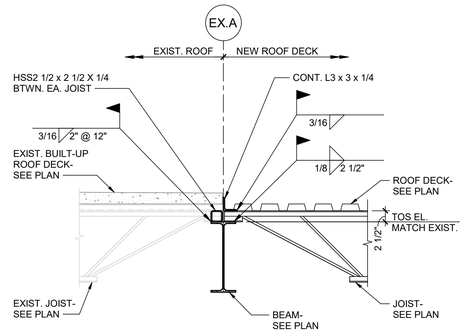
1. ROOF DECK: 1 1/2" DEEP, 22 GA. PAINTED WIDE RIB STEEL DECK (SEE STEEL DECK GENERAL NOTES FOR ATTACHMENT REQUIREMENTS).
2. TOP OF STEEL DENOTES TOP OF MAIN STEEL.
3. TOP OF "K" SERIES JOISTS (+2 1/2") TYP., (U.N.O.)
4. JOIST BEARING ELEVATION. MATCH EXISTING.
5. ALL ELEVATIONS BASED ON MAIN LEVEL FINISH FLOOR EL. 100'-0". FIELD VERIFY ACTUAL FIN. FLR. EL.
6. SEE DWG. S1.2 FOR GENERAL NOTES AND TYPICAL DETAILS.
7. SEE ARCH. DWGS. FOR DIMENSIONS NOT SHOWN.



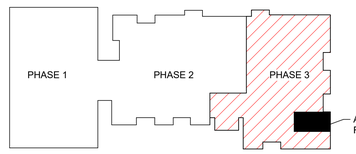
2 SECTION
3/4" = 1'-0"



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



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



KEYPLAN

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 19042
MARK A. SMITH
12/17/25
CERTIFICATE OF AUTHORIZATION
Tatum Smith Welcher Engineers, Inc.
No. 218
ARKANSAS ENGINEER

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: JLC
CHECK BY: MAS
ISSUE DATE: 11/25/25
PROJECT NO.: 2534
REVISION DATES: 12/17/25

ROOF FRAMING PLAN

SHEET
S3.2

TATUM SMITH WELCHER
STRUCTURAL ENGINEERS
(479) 621-6128 ROGERS, ARKANSAS
TSW #: 25180 PM: MAS DE: MAS

GENERAL PLUMBING NOTES

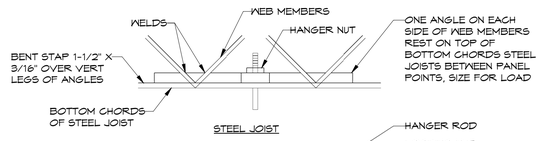
1. ALL PLUMBING MATERIALS AND INSTALLATION SHALL COMPLY WITH THE ARKANSAS STATE PLUMBING CODE, LATEST EDITION.
2. INSTALL ALL DOMESTIC HOT AND COLD WATER PIPING AS PER STATE AND LOCAL CODES.
3. INSULATE ABOVE GRADE CONCEALED DOMESTIC HOT AND COLD WATER LINES PER SPECIFICATIONS, SECTION 22 07 19.
4. INSTALL DEEP SEAL TRAPS AT ALL DRAIN CONNECTIONS.
5. WHERE FIRE RATED PARTITIONS OR FLOORS OCCUR, ALL FLOOR TO FLOOR AND ROOM TO ROOM PENETRATIONS SHALL BE PROPERLY FIRE SEALED WITH U.L. LISTED AND CLASSIFIED FIRE CAULK OR FIRE SEALED BY USING AN APPROVED FIRE SEAL SLEEVE METHOD WHICH MEETS U.L. REQUIREMENTS. ALL OTHER PENETRATIONS OF RATED CHASES OR WALLS SHALL BE PROPERLY FIRE SEALED AND WHERE EXTENDING THROUGH SUCH RATED SURFACE SHALL BE A RATED FIRE STOP PENETRATION. ALL FIRE STOPPING, FIRE CAULKING AND FIRE SLEEVING OR OTHER FIRE SEALING SHALL BE ACCEPTABLE BY THE LOCAL AUTHORITIES AND SHALL BEAR THE U.L. SEAL.
6. INSTALL DOMESTIC WATER LINES TIGHT AGAINST BUILDING ROOF STRUCTURE.
7. VERIFY LOCATION, INVERT AND SIZE OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
8. PROVIDE CITY APPROVED REDUCED PRESSURE BACKFLOW PREVENTERS ON ALL DOMESTIC SERVICE LINES CONNECTED TO ALL DEVICES, APPURTENANCES, APPLIANCES AND APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION, SUCH AS STERILIZATION, DISTILLATION, PROCESSING, COOLING OR STORAGE OF FOODS OR ICE. WATER PUMPS, FILTERS, SOFTENERS, TANKS AND ALL OTHER APPLIANCES AND DEVICES THAT HANDLE OR TREAT POTABLE WATER SHALL BE PROTECTED AGAINST CONTAMINATION WITH SIMILAR BACKFLOW PREVENTER.
9. ALL MECHANICAL INSTALLATIONS SHALL CONFORM TO THE LATEST ACCEPTABLE ARKANSAS STATE MECHANICAL CODE.
10. ALL WATER AND SEWER LINE MATERIALS AND INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH THE CITY OF ROGERS STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION AS WELL AS THE ARKANSAS STATE PLUMBING CODE.
11. HORIZONTAL BRANCHES SHALL CONNECT TO HORIZONTAL STACK OFFSETS AND TO THE BASES OF STACKS AT A POINT LOCATED NOT LESS THAN 10 PIPE DIAMETERS DOWNSTREAM FROM THE STACK.
12. CONTRACTOR SHALL PROVIDE "AS BUILT" DRAWINGS OF ALL PLUMBING AND PIPING SYSTEMS UPON COMPLETION OF THE PROJECT.
13. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE DRAWINGS, THE BUILDING SITE, AND OTHER INFORMATION PRESENTED FOR THE CONSTRUCTION OF THIS PROJECT. IF CONTRACTOR HAS QUESTIONS REGARDING ASSEMBLIES OR LAYOUTS WITH THE PROJECT HE SHALL MAKE THEM KNOWN TO THE ENGINEER IN WRITING PRIOR TO BIDDING THE PROJECT. CLAIMS MADE SUBSEQUENT TO THE BID WILL NOT BE ACCEPTED IF IT IS DETERMINED THAT PROPER FAMILIARIZATION COULD HAVE AVOIDED SUCH CLAIM.
14. COMPLY WITH STATE OF ARKANSAS ADOPTED ADA ACCESSIBLE GUIDELINES IN REGARD TO ACCESSIBLE FEATURES.
15. PROVIDE DRIP PAN FOR ENTIRE LENGTH OF PIPE WHERE PIPE MUST BE INSTALLED ABOVE ELECTRICAL EQUIPMENT.
16. MECHANICAL CONTRACTOR MUST REVIEW ALL ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES, ROOF, OVERFLOW AND FLOOR DRAINS. IF PLUMBING FIXTURES OR DRAINS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS THEY MUST BE INCLUDED IN THE CONTRACT EVEN IF NOT SHOWN ON THE MECHANICAL DRAWINGS.
17. DO NOT SCALE DIRECTLY FROM THE PLUMBING DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL INFORMATION.
18. ALL PLUMBING SANITARY WASTE AND VENT PIPING INSTALLED IN FIRE RATED WALLS OR PLENUM RETURN AIR SYSTEMS SHALL BE CAST IRON. REFER TO ARCHITECTURAL PLANS FOR LIFE SAFETY INFORMATION.

PLUMBING LEGEND

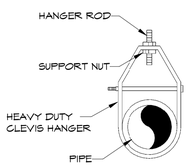
EX SS	EXISTING SANITARY WASTE PIPING
	VENT PIPING
EX V	EXISTING VENT PIPING
	COLD WATER PIPING
EX CW	EXISTING COLD WATER PIPING
	HOT WATER PIPING
EX HW	EXISTING HOT WATER PIPING
HWR	HOT WATER RETURN PIPING
EX HWR	EXISTING HOT WATER RETURN PIPING
	PIPING TO BE REMOVED
	CONNECTION POINT
1	REFER TO KEYED NOTES
P-1	PLUMBING FIXTURE NUMBER (REFER TO PLUMBING FIXTURE SCHEDULE)

HANGER ROD SCHEDULE

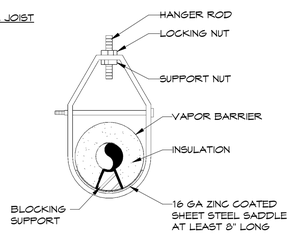
PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	1/4" DIA	8" THRU 12"	1/2" DIA
2 1/2" UP TO 6"	3/8" DIA		



STEEL JOIST



CLEVIS HANGER
SINGLE HORIZONTAL RUNS
NO VAPOR BARRIER INSUL



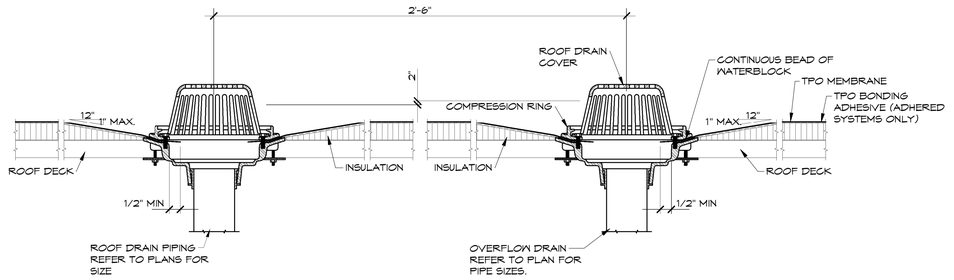
CLEVIS HANGER
SINGLE HORIZONTAL RUNS
WITH VAPOR BARRIER INSUL

1 TYPICAL PIPE HANGER DETAIL-CLEVIS HANGER
NTS

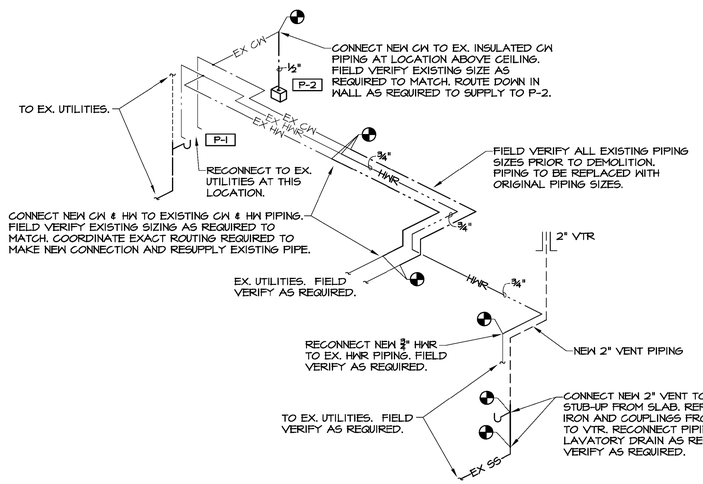
PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MANUFACTURER	MODEL	MOUNT	CONNECTION CW	CONNECTION HW	CONNECTION SS	REMARKS / ACCESSORIES
P-1	DOUBLE BOWL DROP-IN SINK	ELKAY	LRAD3722255	COUNTER	1/2	1/2	1 1/2	DOUBLE COMPARTMENT, CENTER REAR DRAIN CONNECTION, STAINLESS STEEL SINK (37X22X5-1/2 I.D. EA.). PROVIDE JUST J-1173-KS SWIVEL GOOSENECK FAUCET WITH WRIST BLADES AND JUST J-35 DRAIN WITH CRUMB CUP STRAINER. PROVIDE WATTS LFUSG THERMOSTATIC MIXING VALVE. SET WATER TEMPERATURE AT 105 DEGREES F.
P-2	ICE MAKER WALL BOX	GUY GRAY	BIM875	WALL	1/2	-	-	WALL MOUNTED ICE MAKER HOOK UP WITH ANGLE VALVE.
P-3	ACCESSIBLE URINAL	AMERICAN STANDARD	6550.001	WALL	3/4	-	2	WHITE VITREOUS CHINA, LOW CONSUMPTION URINAL. PROVIDE SLOAN MODEL SLOAN #186-DFB FLUSH VALVE AND SLOAN YJ PIPE SUPPORT. PROVIDE BLOCKING IN WALL AS REQUIRED FOR INSTALLATION OF YJ PIPE SUPPORT. INSTALL 17 IN. A.F.F. TO TOP OF LIP.
P-4	FAUCET	AMERICAN STANDARD	7385.050	EX. LAVATORY	1/2	1/2	-	SINGLE LEVER 0.5 GPM FAUCET WITH EXTRA LONG HANDLE. PROVIDE WATTS LFUSG UNDER COUNTER THERMOSTATIC MIXING VALVE.
P-5	WATER CLOSET	AMERICAN STANDARD	2234.001	FLOOR	1 1/2	-	4	WHITE VITREOUS CHINA, LOW CONSUPTION, ELONGATED BOWL, FLUSH VALVE TOILET, PROVIDE SLOAN MODEL SLOAN #111-DFB FLUSH VALVE, OLSONITE #10 SCC OPEN SEAT AND SLOAN YJ PIPE SUPPORT. PROVIDE BLOCKING IN WALL AS REQUIRED FOR INSTALLATION OF YJ PIPE SUPPORT.
P-6	FAUCET	CHICAGO	786-G6AE2805-5ABCP	EX. LAVATORY	1/2	1/2	-	MANUAL FAUCET WITH WRIST BLADES, 0.5 GPM FLOW RATE, AND 6" REACH GOOSENECK SPOUT. CONTRACTOR TO FIX SPOUT IN RIGID POSITION. PROVIDE WATTS LFUSG UNDER COUNTER THERMOSTATIC MIXING VALVE.
P-7	FAUCET	CHICAGO	116.707.AB.1T	EX. LAVATORY	1/2	1/2	-	SENSOR OPERATED FAUCET WITH 12 VOLT AC POWER ADAPTER AND INTEGRATED BACKUP POWER SYSTEM AND 0.5 GPM FLOW RATE TO MATCH FAUCET ON ADJACENT SINK. PROVIDE WATTS LFUSG UNDER COUNTER THERMOSTATIC MIXING VALVE.
P-8	ROOF DRAIN	WADE	3000-AE-53	ROOF	-	-	*	*SIZE AS INDICATED ON PLANS. CAST IRON ROOF DRAIN WITH FLASHING RING, FLANGE, GRAVEL STOP, CAST IRON DOME, UNDER DECK CLAMP, ADJUSTABLE EXTENSION AND VANDAL PROOF SCREWS.
P-9	OVERFLOW ROOF DRAIN	WADE	3000-AE-53	ROOF	-	-	*	*SIZE AS INDICATED ON PLANS. CAST IRON ROOF DRAIN WITH FLASHING RING, FLANGE, GRAVEL STOP, CAST IRON DOME, UNDER DECK CLAMP, ADJUSTABLE EXTENSION AND VANDAL PROOF SCREWS AND 2 IN. OVERFLOW DAM.

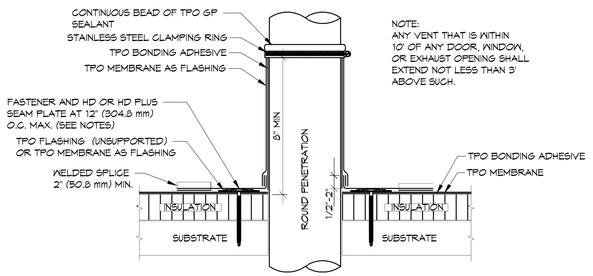
NOTES
1. COORDINATE COUNTER TOP FIXTURE INSTALLATION WITH MILLWORK.
2. INSTALL ACCESSIBLE FLUSH VALVE TO THE ACCESSIBLE SIDE.



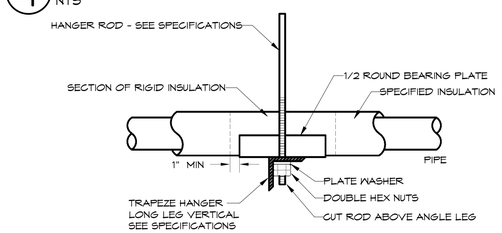
2 ROOF DRAIN-OVERFLOW DRAIN DETAIL
NTS



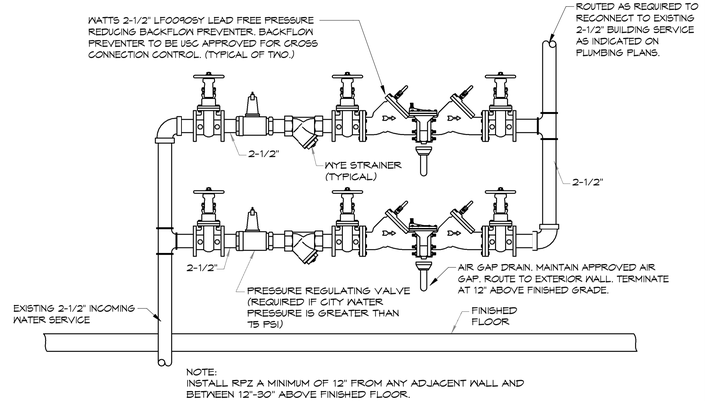
3 PLUMBING RISER
NTS



4 VENT THRU ROOF-TPO
NTS



5 TYPICAL PIPE HANGER DETAIL-TRAPEZE
NTS



6 RPZ DOUBLE HORIZONTAL
NTS

NOTES:
REFER TO P2.1 FOR PLUMBING PLANS.

HSA Engineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com

HSA JOB # 25-155

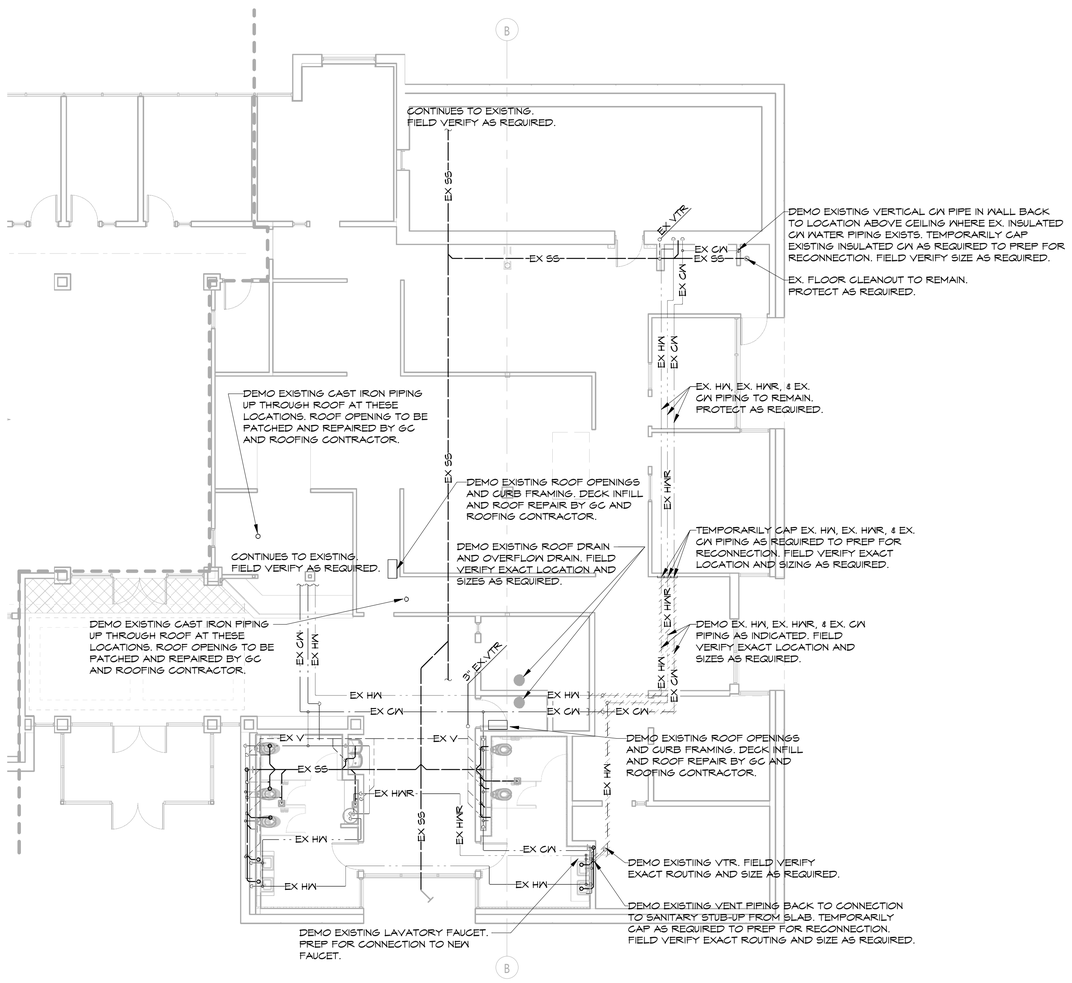
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.14057
NATHAN E. WILSON
12/5/25

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

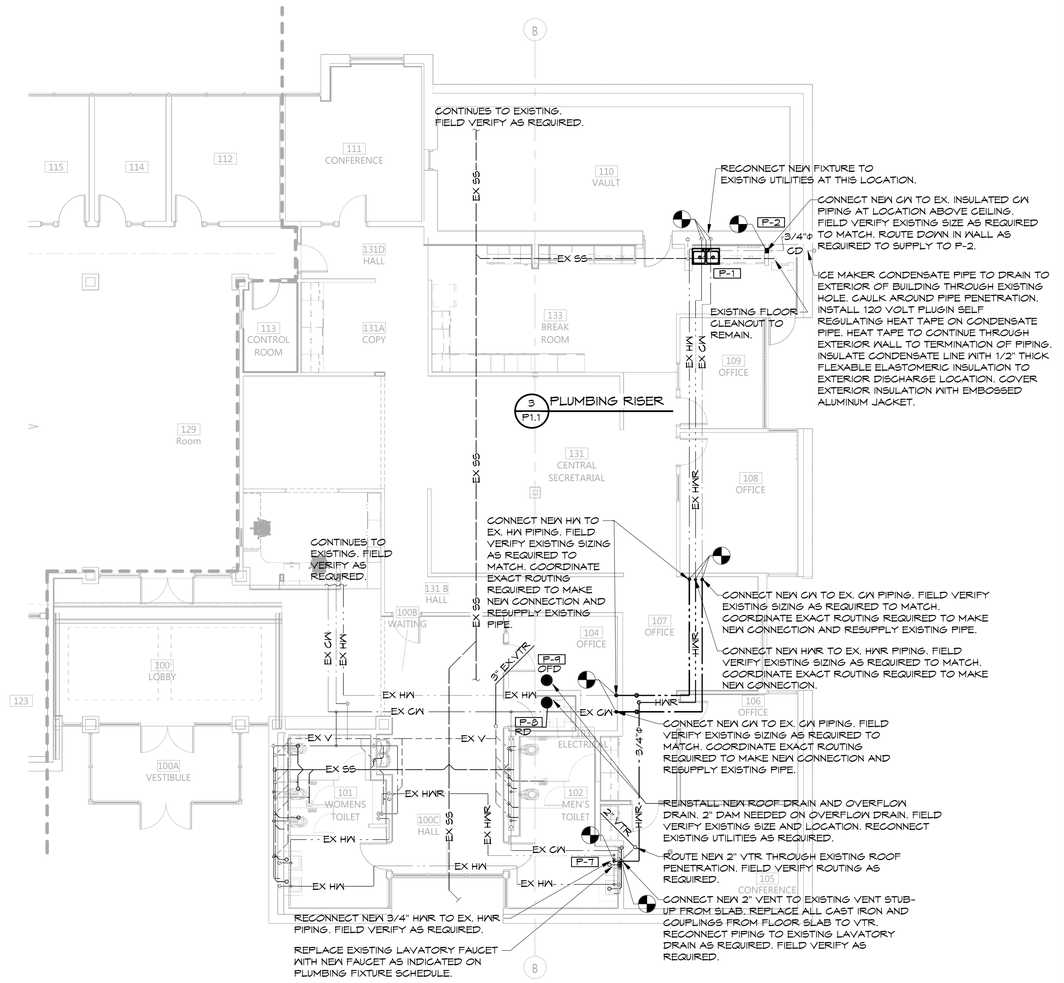
DRAWN BY: KV
CHECK BY: NEW
ISSUE DATE: 11/25/2025
PROJECT NO: 2534
REVISION DATES: 12/17/2025

PLUMBING NOTES, LEGEND, SCHEDULE, & DETAILS
SHEET
P1.1



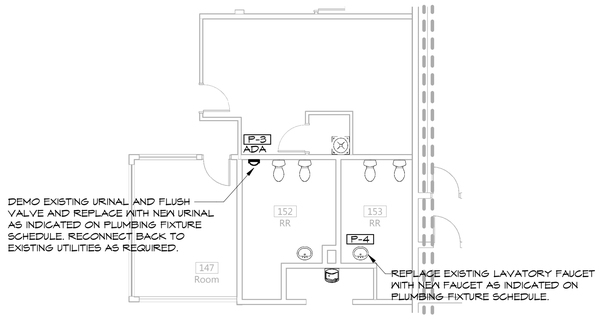
1 PHASE 3 - FIRST FLOOR PLUMBING DEMOLITION PLAN
1/8" = 1'-0"

NORTH



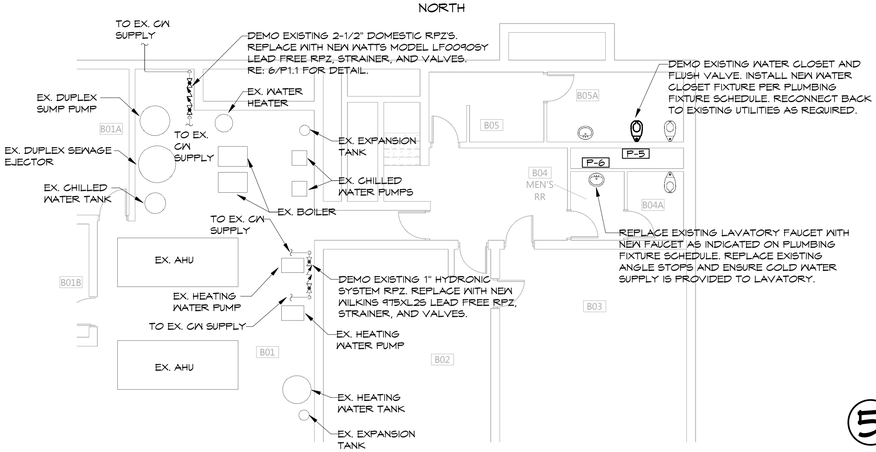
2 PHASE 3 - FIRST FLOOR PLUMBING PLAN
1/8" = 1'-0"

NORTH



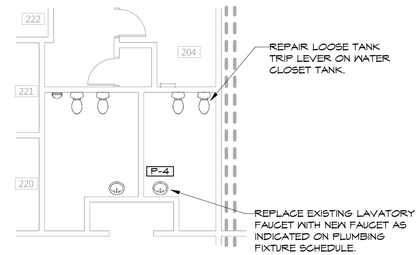
3 PHASE 3 - FIRST FLOOR EAST RESTROOMS
1/8" = 1'-0"

NORTH

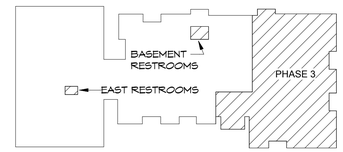


4 PHASE 3 - BASEMENT RESTROOMS/ RPZ'S
1/8" = 1'-0"

NORTH



5 PHASE 3 - SECOND FLOOR EAST RESTROOMS
1/8" = 1'-0"



KEYPLAN

NOTES:
REFER TO P1.1 FOR PLUMBING LEGEND, GENERAL AND KEYED NOTES, SCHEDULE, DETAILS, AND RISER

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com

HSA JOB # 25-155

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No.14057 NATHAN E. WILSON 12/5/25

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: KV
CHECK BY: NEW
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

PHASE 3 - PLUMBING PLANS

SHEET
P2.1

GENERAL HVAC NOTES

1. COORDINATE GRILLE LOCATIONS WITH LIGHT FIXTURES AND CEILING GRID.
2. INDICATED DUCT SIZES ARE NET FREE AREA.
3. ADJUST ALL AIR QUANTITIES AS SHOWN ON THE PLANS AFTER COMPLETION OF THE JOB.
4. INSULATE THE SUPPLY GRILLE TOPS, RETURN AIR GRILLE PLENUMS AND EXHAUST AIR PLENUMS WITH 2 IN., 3/4 LB DENSITY FOIL BACKED INSULATION.
5. FIRE AND/OR SMOKE DAMPERS ARE INDICATED ON MECHANICAL DRAWINGS. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY LOCATIONS AND FIRE RATING REQUIREMENTS WHERE ANY DUCT PASSES THROUGH A PARTITION. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF ALL FIRE AND SMOKE PARTITIONS. VERIFY REQUIRED DAMPER ASSEMBLY IN ALL DUCTS PENETRATING THESE WALLS PER ALL STATE AND LOCAL CODES.
6. EXTERNALLY INSULATE ALL ROUND SUPPLY AND RETURN DUCT. INTERNALLY INSULATE ALL RECTANGULAR SUPPLY AND RETURN DUCT PER MECHANICAL CODE. ATTACH THE INTERNAL INSULATION TO THE DUCT WITH APPROVED ADHESIVE AND WELDED FASTENERS.
7. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK WITH FIELD CONDITIONS AND PROVIDE ALL OFFSETS, BENDS, TRANSITIONS AND SPECIAL FITTINGS FOR A COMPLETE INSTALLATION OF THE SYSTEMS.
8. USE FLANGED AND GASKETED DUCT CONSTRUCTION FOR RECTANGULAR DUCT CONVEYING AIR AT STATIC PRESSURES ABOVE 2 IN. W.G. USE LOCKED SEAM SPIRAL DUCT CONSTRUCTION FOR ROUND DUCT CONVEYING AIR AT STATIC PRESSURES ABOVE 2 IN. W.G. ALL HIGH PRESSURE DUCT CONSTRUCTION SHALL ADHERE TO SMACNA DUCT CONSTRUCTION STANDARDS (LATEST EDITION) FOR DUCT CLASSIFICATION UP TO 5 IN. W.G.
9. INTERIOR OF ALL DUCT PLENUMS VISIBLE THROUGH GRILLE SHALL BE PAINTED MATTE BLACK PRIOR TO INSTALLATION.
10. INTERLOCK EXHAUST FANS WITH LIGHT SWITCHES. REFER TO ELECTRICAL PLANS.
11. PAINT ALL SUPPLY AND RETURN AIR GRILLES NOT SPECIFIED AS PRE-FINISHED, TO ARCHITECT'S SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.
12. MAINTAIN 10 FT. MINIMUM CLEARANCE BETWEEN FRESH AIR INTAKES AND ALL EXHAUST OUTLETS, GAS FLUES AND PLUMBING VENTS.
13. INSTALL VOLUME CONTROL DAMPERS IN SUPPLY, RETURN, EXHAUST AND FRESH AIR BRANCH DUCT RUNS.
14. RECIRCULATING AIR SYSTEMS WITH A FAN CAPACITY GREATER THAN 2,000 NOMINAL CFM SHALL AUTOMATICALLY SHUT DOWN BY MEANS OF AN APPROVED SMOKE DETECTOR PLACED IN THE RETURN AIR STREAM PRIOR TO ANY EXHAUSTING FROM THE BUILDING OR MIXING WITH FRESH AIR MAKEUP. ALL CONTROLS SHALL BE LISTED. UPON ACTIVATION OF THE SAFETY CONTROL, THE SYSTEM SHALL NOT RESTART UNTIL THE SAFETY CONTROL IS MANUALLY RESET.
15. ALL MECHANICAL INSTALLATIONS SHALL CONFORM TO THE LATEST ACCEPTABLE MECHANICAL CODE.
16. SEAL ALL DUCT SEAMS WITH HARDCAST IRON GRIP 601 SEALANT SYSTEM OR AN APPROVED EQUAL. DUCT TAPE, WHETHER LISTED OR NOT, WILL NOT BE ACCEPTED.
17. FABRICATE AND INSTALL ALL GALVANIZED DUCT SYSTEMS TO SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION, AND MECHANICAL CODE.
18. SMOKE DETECTOR PROVIDED AND INSTALLED BY FIRE ALARM CONTRACTOR.
19. SUPPLY AIR SYSTEMS AND RETURN AIR SYSTEMS INSTALLED IN AN ATTIC, VENTILATED CRAWL SPACE OR OTHER NON-CONDITIONED AREA SHALL BE INSULATED.
20. DO NOT SCALE DIRECTLY FROM THE HVAC DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL INFORMATION.

HVAC KEYED NOTES

1. LOCATE THERMOSTAT AS INDICATED WITH THE TOP OF THE THERMOSTAT AT 48 IN. ABOVE FINISHED FLOOR. SEAL ALL THERMOSTAT CONDUITS AT TOP AND BOTTOM OF CONDUIT. PROVIDE INSULATED BACKING FOR MOUNTING THERMOSTATS.
2. RECONNECT NEW VAV BOX PIPING TO EXISTING HYDRONIC SUPPLY AND RETURN PIPING.

EXHAUST FAN SCHEDULE

MARK	MFG.	MODEL	CFM	ESP. IN WG	MOTOR H.P	INLET SONES	FAN RPM	ELECTRICAL VOLT	PH	HZ	UNIT WEIGHT	REMARKS / ACCESSORIES
EF-1	GREENHECK	G-100	600	0.4	0.25	5	1199	115	1	60	54 lb	1, 2, 3, 4

REMARKS/ACCESSORIES

1. PROVIDE FACTORY BACK DRAFT DAMPER.
2. PROVIDE DIRECT DRIVE MOTOR WITH FAN SPEED CONTROLLER.
3. INTERLOCK EXHAUST FAN WITH LIGHT SWITCH BY ELECTRICAL CONTRACTOR.
4. PROVIDE FACTORY 14 INCH ROOF CURB.

AIR DISTRIBUTION SCHEDULE

MARK	CFM	NECK SIZE	MFG.	MODEL	TYPE	FINISH	FRAME	REMARKS/ ACCESSORIES
A	50-100	6"Ø	TITUS	TMS	4-WAY SUPPLY	WHITE	T-BAR LAYIN	1
B	105-200	8"Ø	TITUS	TMS	4-WAY SUPPLY	WHITE	T-BAR LAYIN	1
C	225-300	10"Ø	TITUS	TMS	4-WAY SUPPLY	WHITE	T-BAR LAYIN	1
D	400	12"Ø	TITUS	TMS	4-WAY SUPPLY	WHITE	T-BAR LAYIN	1
E	200-1200	22" X 22"	TITUS	355RL	RETURN	WHITE	T-BAR LAYIN	1, 3
F	200-1200	22" X 22"	TITUS	50F	EXHAUST	WHITE	T-BAR LAYIN	2, 3

REMARKS/ACCESSORIES

1. STEEL CONSTRUCTION.
2. ALUMINUM CONSTRUCTION.
3. NO SCRE HOLES.

VAV SCHEDULE

MARK	MFG	MODEL#	COOLING CFM	COOLING MIN CFM	COOLING INLET DIA. (IN.)	COOLING MAX A.P.D. (IN.)	HEATING WATER COIL CFM	ROWS	UNIT EAT °F	LAT °F	EAT °F	LAT	GPM	WPD (FT.)	MBH	REMARKS/ ACCESSORIES
SV1-1	METALAIRE	TH	450	165	10	0.3	475	2	65	100	170	132	0.99	0.12	18.19	1, 2, 3, 4, 5, 6, 7, 8, 9
SV1-2	METALAIRE	TH	750	115	8	0.5	375	2	65	100	170	135	0.85	0.13	14.32	1, 2, 3, 4, 5, 6, 7, 8, 9
SV1-3	METALAIRE	TH	600	105	8	0.3	300	2	65	101	170	132	0.66	0.08	12.01	1, 2, 3, 4, 5, 6, 7, 8, 9
SV1-4	METALAIRE	TH	450	110	8	0.2	225	2	65	108	170	137	0.66	0.08	10.64	1, 2, 3, 4, 5, 6, 7, 8, 9
SV1-5	METALAIRE	TH	400	60	6	0.3	200	2	65	106	170	142	0.66	0.08	9.04	1, 2, 3, 4, 5, 6, 7, 8, 9
SV1-15	METALAIRE	TH	500	105	8	0.2	250	2	65	106	170	135	0.66	0.08	11.14	1, 2, 3, 4, 5, 6, 7, 8, 9
SV1-16	METALAIRE	TH	800	120	8	0.6	400	2	65	100	170	137	0.94	0.15	15.19	1, 2, 3, 4, 5, 6, 7, 8, 9
SV1-17	METALAIRE	TH	1025	165	10	0.4	600	2	65	99	170	20	1.46	0.26	22.76	1, 2, 3, 4, 5, 6, 7, 8, 9
SV1-18	METALAIRE	TH	500	105	8	0.2	400	2	65	100	170	137	0.94	0.15	15.19	1, 2, 3, 4, 5, 6, 7, 8, 9
SV1-19	METALAIRE	TH	850	165	10	0.3	630	2	65	100	170	138	1.61	0.31	23.93	1, 2, 3, 4, 5, 6, 7, 8, 9

REMARKS/ACCESSORIES

1. MAX INLET VELOCITY = 2500 FT/MIN
2. BOX SHALL BE SINGLE WALL AND HAVE 1-INCH FOIL FACE INTERNAL LINING.
3. DDS ACTUATOR PROVIDED BY CONTROL CONTRACTOR AND FIELD MOUNTED.
4. PROVIDE FACTORY INSTALLED 115/24 VOLT TRANSFORMER.
5. PROVIDE HORIZONTAL HANGING KIT.
6. PROVIDE AIR FLOW MEASUREMENT DEVICE.
7. MECHANICAL CONTRACTOR SHALL COMPLETELY INSULATE HEATING WATER COIL BOX, EXTERNAL PIPING, AND VALVE BODIES.
8. PROVIDE FACTORY DISCONNECT AND POWER FUSE.
9. CONTROLS CONTRACTORS PROVIDE ALL CONTROL VALVES, MECHANICAL CONTRACTOR SHALL INSTALL ALL VALVES. ALL CONTROL VALVES SHALL BE 3-WAY VALVES.

MECHANICAL LEGEND

- SUPPLY DUCT SECTION
- RETURN OR EXHAUST DUCT SECTION
- CEILING SUPPLY GRILLE
- CEILING RETURN GRILLE
- CEILING EXHAUST GRILLE
- SIDEWALL SUPPLY OR RETURN GRILLE
- (1) SEE KEYED NOTES
- SUPPLY, RETURN, OR EXHAUST DUCT
- NEW SPIRAL DUCT
- DEMO DUCT
- EXISTING SUPPLY, RETURN, OR EXHAUST DUCT
- OR VOLUME DAMPER
- FLEX DUCT CONNECTION MAXIMUM OF 5 FT.
- SV-1 (T) THERMOSTAT. MOUNT AT 48" A.F.F TO TOP (NUMBER DENOTES VAV BOX)

H.V.A.C. PLUMBING LEGEND

- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- EX HWS — EXISTING HOT WATER SUPPLY
- EX HWR — EXISTING HOT WATER RETURN
- BALL VALVE

NOTES:
REFER TO SHEET M1.1 FOR HVAC NOTES, LEGEND AND SCHEDULES
REFER TO SHEET M2.0 FOR HVAC DEMO PLANS
REFER TO SHEET M2.1 FOR HVAC PLANS.
REFER TO SHEET M3.1 FOR HVAC DETAILS.

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com

HSA JOB # 25-155

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No.14057 NATHAN E. WILSON 11/25/25

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

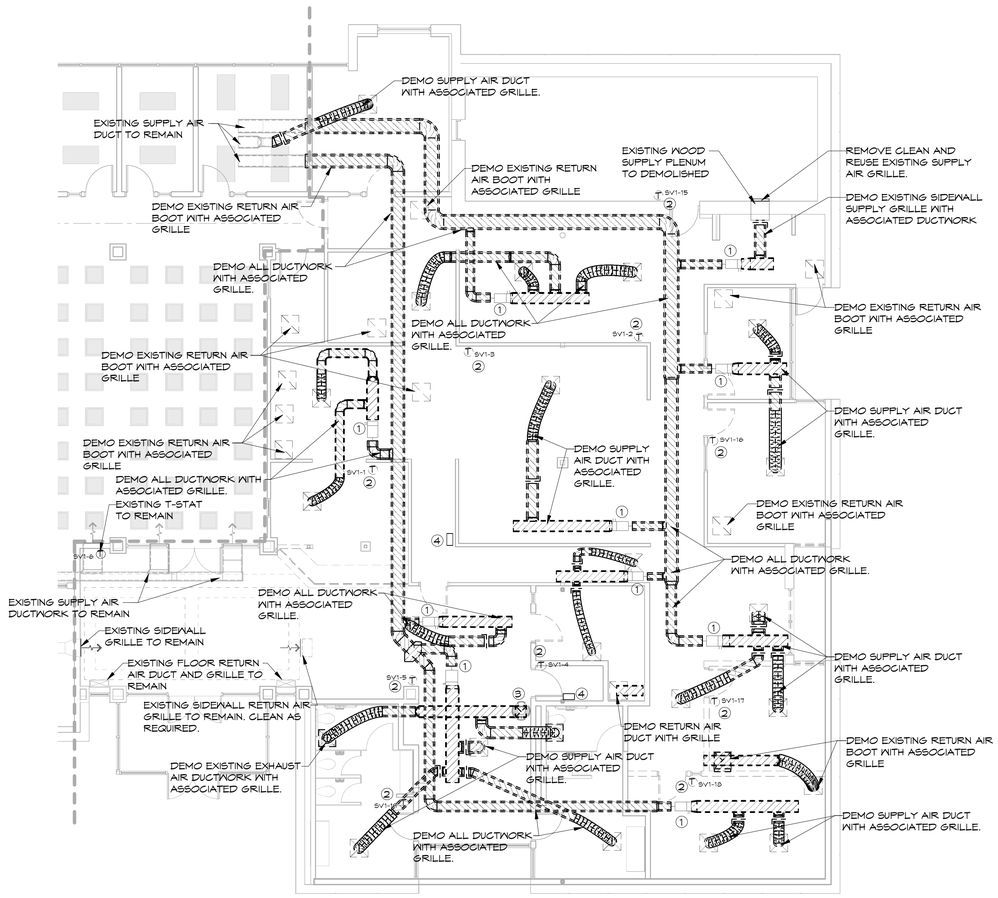
A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: DCN
CHECK BY: NEW
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

HVAC NOTES & LEGEND
SHEET M1.1

DEMOLITION NOTES

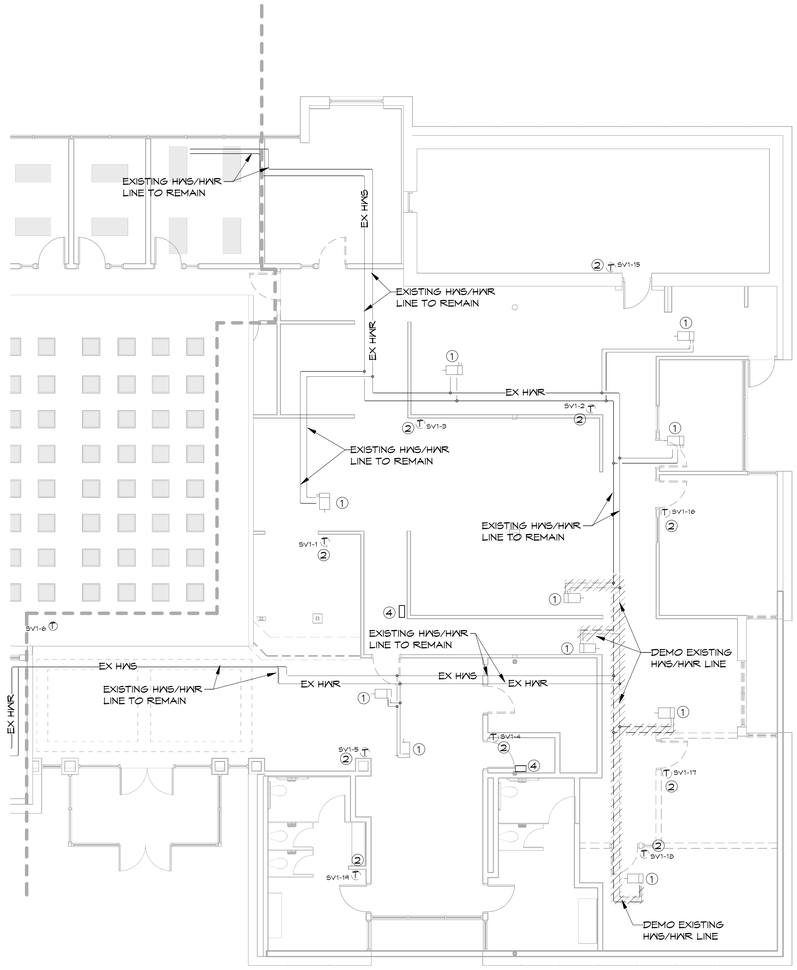
1. DEMO EXISTING VAV BOX WITH ASSOCIATED DUCTWORK AND CONTROL VALVES.
2. DEMO EXISTING T-STAT
3. DEMO EXISTING ROOF EXHAUST FAN WITH ASSOCIATED DUCTWORK.
4. DEMO EXISTING ROOF OPENING AND CURB FRAMING. DECK INFILL AND ROOF REPAIR BY GC AND ROOFING CONTRACTOR.



1 PHASE 3 - FIRST FLOOR HVAC DEMOLITION PLAN

1/8" = 1'-0"

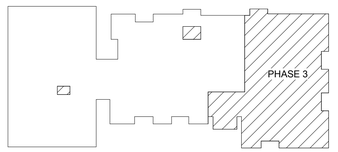
NORTH



2 PHASE 3 - FIRST FLOOR MECH PIPING DEMOLITION PLAN

1/8" = 1'-0"

NORTH



KEYPLAN

NOTES:
REFER TO SHEET M1.1 FOR HVAC NOTES, LEGEND AND SCHEDULES
REFER TO SHEET M2.0 FOR HVAC DEMO PLANS
REFER TO SHEET M2.1 FOR HVAC PLANS.
REFER TO SHEET M3.1 FOR HVAC DETAILS.

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com

HSA JOB # 25-155

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No.14057 NATHAN E. WILSON 11/25/25

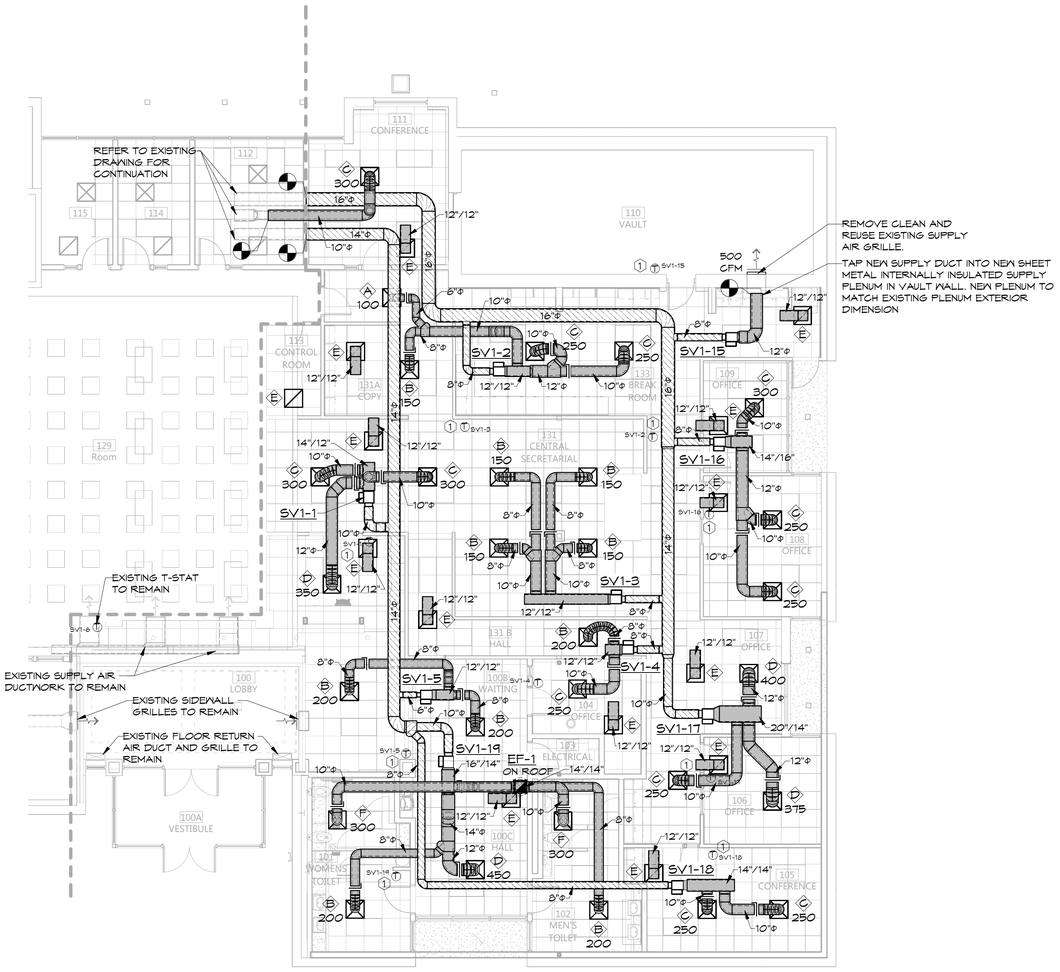
Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: DCN
CHECK BY: NEW
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

PHASE 3 - MECHANICAL DEMO PLAN

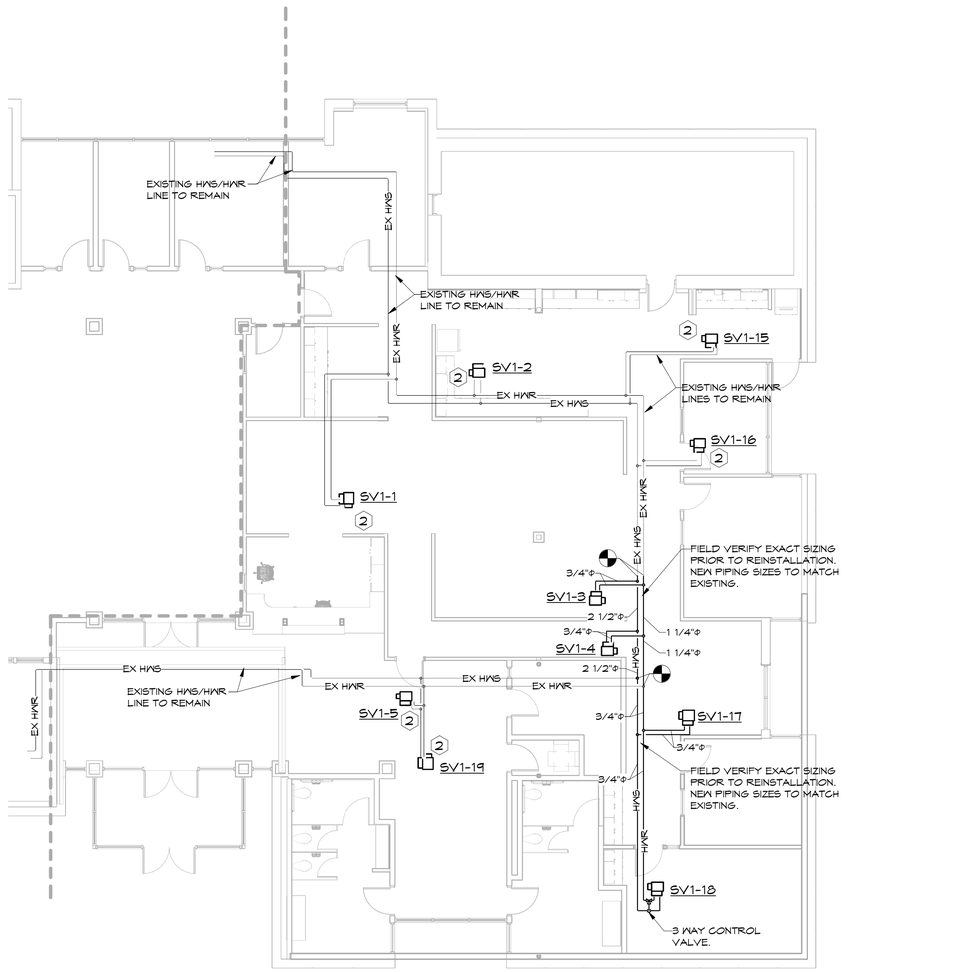
SHEET M2.0



1 PHASE 3 - FIRST FLOOR HVAC PLAN

1/8" = 1'-0"

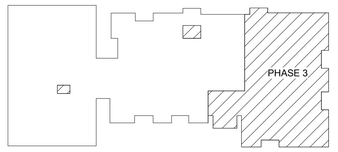
NORTH



3 PHASE 3 - FIRST FLOOR MECH PIPING PLAN

1/8" = 1'-0"

NORTH



KEYPLAN

NOTES:
REFER TO SHEET M1.1 FOR HVAC NOTES, LEGEND AND SCHEDULES
REFER TO SHEET M2.0 FOR HVAC DEMO PLANS
REFER TO SHEET M2.1 FOR HVAC PLANS.
REFER TO SHEET M3.1 FOR HVAC DETAILS.

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com

HSA JOB # 25-155

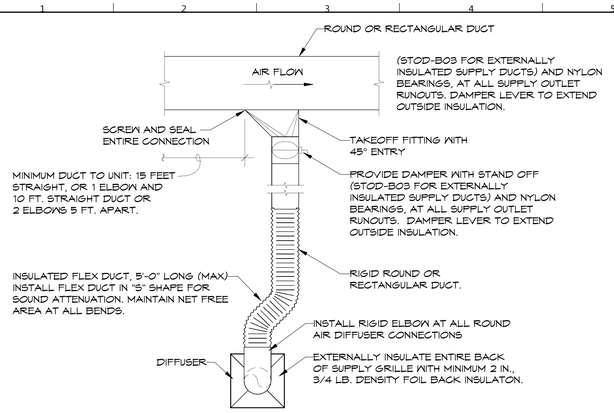
STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No.14057 NATHAN E. WILSON 11/25/25

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

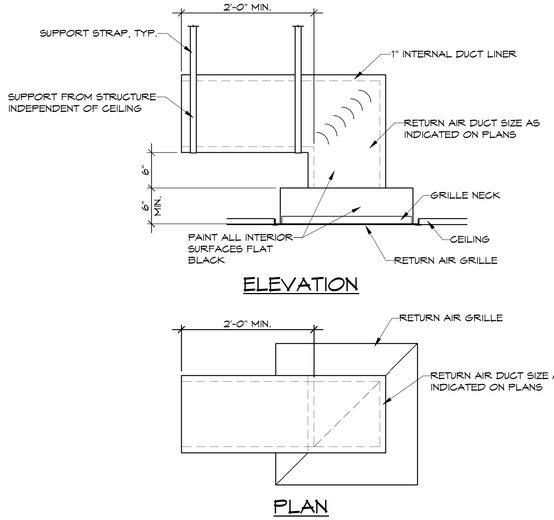
A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: DCN
CHECK BY: NEW
ISSUE DATE: 11/25/2025
PROJECT NO: 2534
REVISION DATES: 12/17/2025

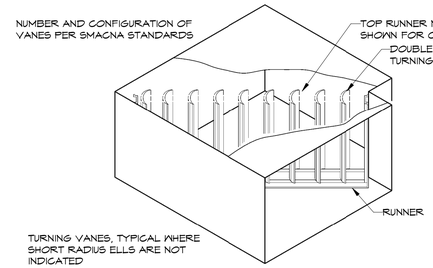
PHASE 3 - FIRST FLOOR HVAC PLAN
SHEET
M2.1



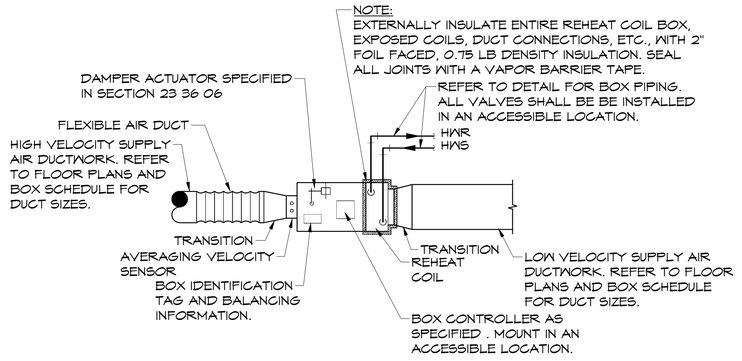
1 SUPPLY DUCT CONNECTION DETAIL
NTS



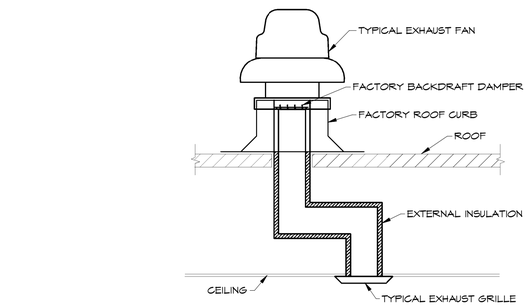
4 RETURN AIR GRILLE BOOT DETAIL
NTS



2 TURNING VANE DETAIL
NTS



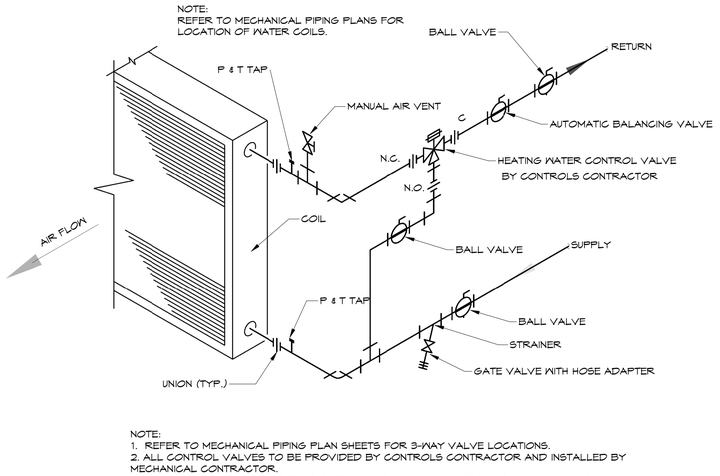
5 VAV BOX DETAIL WITH HOT WATER REHEAT
NTS



NOTE: INSTALL MINIMUM TWO ELBOWS FOR SOUND ATTENUATION.

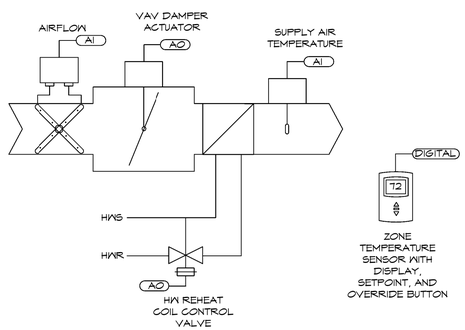
(TYPICAL FOR ROOF MOUNTED EXHAUST FANS)

3 ROOF EXHAUST FAN DETAIL
NTS



NOTE:
1. REFER TO MECHANICAL PIPING PLAN SHEETS FOR 3-WAY VALVE LOCATIONS.
2. ALL CONTROL VALVES TO BE PROVIDED BY CONTROLS CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.
3. ALL OTHER PIPING ACCESSORIES SHOWN ABOVE WILL BE PROVIDED AND INSTALL BY MECHANICAL CONTRACTOR.

6 HOT WATER COIL WITH 3 WAY VALVE DETAIL
NTS



VAV TERMINAL UNIT WITH HOT WATER REHEAT SEQUENCE OF OPERATION:

MODE OF OPERATION:
THE UNIT MODE OF OPERATION SHALL BE EITHER OCCUPIED, UNOCCUPIED, OR MORNING WARMUP BASED ON A BUILDING AUTOMATION SYSTEM (BAS) SCHEDULE, AN OPERATOR OVERRIDE COMMAND FROM THE BAS, OR A TEMPORARY OCCUPANCY OVERRIDE SIGNAL FROM THE SPACE TEMPERATURE SENSOR. COMMANDS OR OVERRIDES FROM THE BAS SHALL TAKE PRIORITY OVER ANY LOCAL CHANGES MADE AT THE SPACE SENSOR.

OCCUPIED MODE:
THE SPACE TEMPERATURE SENSOR SHALL BE SET FOR A SINGLE COOLING SETPOINT WITH A HEATING SETPOINT DIFFERENTIAL OF 3°F. THE COOLING SPACE TEMPERATURE SETPOINT RANGE SHALL BE LIMITED BETWEEN 70°F AND 80°F. THE HEATING SPACE TEMPERATURE SETPOINT RANGE SHALL BE LIMITED BETWEEN 65°F AND 74°F.

ON AN INCREASE IN SPACE TEMPERATURE ABOVE THE COOLING SETPOINT, THE UNIT AIR DAMPER SHALL MODULATE BETWEEN THE COOLING MINIMUM AND COOLING MAXIMUM AIRFLOW RATES TO MAINTAIN THE SPACE COOLING SETPOINT. AS THE SPACE TEMPERATURE FALLS BELOW THE COOLING SETPOINT, THE UNIT AIR DAMPER SHALL MODULATE TO MAINTAIN THE COOLING MINIMUM AIRFLOW RATE.

ON A DECREASE IN SPACE TEMPERATURE BELOW THE HEATING SETPOINT, THE UNIT AIR DAMPER SHALL MODULATE TO MAINTAIN THE SCHEDULED REHEAT AIRFLOW RATE AND THE HEATING WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN THE SPACE HEATING SETPOINT.

UNOCCUPIED MODE:
DURING UNOCCUPIED MODE, THE UNIT SHALL OPERATE AS DESCRIBED IN THE OCCUPIED MODE WITH THE EXCEPTION THAT NO MINIMUM COOLING FLOW SHALL BE MAINTAINED SINCE VENTILATION IS NOT REQUIRED. DURING UNOCCUPIED OPERATION, THE SYSTEM SHALL BE SUBJECT TO THE UNOCCUPIED MODE HEATING AND COOLING SETPOINTS. THE UNOCCUPIED HEATING SETPOINT SHALL BE 65°F. THE UNOCCUPIED COOLING SETPOINT SHALL BE 80°F (ADJ).

THE SPACE TEMPERATURE SENSOR SHALL BE EQUIPPED WITH A TEMPORARY OCCUPANCY OVERRIDE FEATURE THAT SHALL OVERRIDE THE SYSTEM INTO OCCUPIED MODE FOR A PERIOD OF 2 HOURS (ADJ).

7 VAV CONTROL
NTS

NOTES:
REFER TO SHEET M1.1 FOR HVAC NOTES, LEGEND AND SCHEDULES
REFER TO SHEET M2.0 FOR HVAC DEMO PLANS
REFER TO SHEET M2.1 FOR HVAC PLANS.
REFER TO SHEET M3.1 FOR HVAC DETAILS.

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com

HSA JOB # 25-155

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No.14057 NATHAN E. WILSON 11/25/25

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: DCN
CHECK BY: NEW
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

HVAC DETAILS

SHEET
M3.1

LEGEND

- DUPLEX RECEPTACLE (NEMA 5-20R) OR-DOUBLE DUPLEX. TAMPER RESISTANT, COMMERCIAL SPECIFICATION GRADE.
- DUPLEX RECEPTACLE GROUND FAULT NEMA 5-20R. TAMPER RESISTANT, COMMERCIAL SPECIFICATION GRADE.
- WIRELESS INTERNET EQUIPMENT FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. FURNISH AND INSTALL TWO DATA CABLES.
- DATA: REQUIRES 4" SQUARE OUTLET BOX, APPROPRIATE PLASTER RING, AND 1" C. STUBBED TO AN ACCESSIBLE LOCATION ABOVE A REMOVABLE CEILING TILE. MINIMUM OF ONE DATA CABLES AT EACH LOCATION SHOWN UNLESS OTHERWISE NOTED.
- $_M MOTOR RATED SWITCH USED FOR EQUIPMENT DISCONNECTING MEANS. SINGLE PHASE: PROVIDE WITH THERMAL OVERLOAD SIZED PER MOTOR LOAD.
- $ WIRELESS SWITCH. TWO BUTTON
- $_D WIRELESS DIMMER SWITCH. TWO BUTTON PLUS UP AND DOWN.
- OS WIRELESS CEILING MOUNT OCCUPANY SENSOR
- EXIT LIGHT - ARROW DENOTES INCLUSION OF ARROW ON LENS. CONTRACTOR TO COORDINATE PROPER MOUNTING DETAILS.
- EL PHOTOLUMINOUS EXIT SIGN
- TF-1,2 THERMOSTAT, MOUNT. @ 48" A.F.F TO CENTER OF BOX (NUMBER DENOTES HVAC UNIT).
- SCO2 SENSOR, MOUNT @ 48" TO CENTER IN SEPARATE SINGLE GANG BOX.
- SECURITY CAMERA PROVIDED AND INSTALLED BY OWNER VENDOR CONTRACTOR.
- CR CARD READER PROVIDED AND INSTALLED BY OWNER VENDOR CONTRACTOR. FURNISH 120 VOLTS FROM THE NEAREST RECEPTACLE CIRCUIT. VERIFY WITH SECURITY CONTRACTOR.
- ELECTRICAL PANEL.
- BRANCH CIRCUIT HOMERUN. PANEL AND CIRCUIT NUMBER INDICATED.
- DD DUCT DETECTOR-FURNISHED AND INSTALLED BY THE FIRE ALARM CONTRACTOR. COORDINATE QUANTITY AND LOCATION WITH MECHANICAL PLANS.
- FA FIRE ALARM MODULE FOR CONTROL; PROVIDE ALL LOW VOLTAGE WIRING.
- SD PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNTED
- HD HEAT DETECTOR. CEILING MOUNTED
- #V CEILING FIRE ALARM VISUAL STROBE LIGHT-WP DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH ¾" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
- #V WALL MOUNT FIRE ALARM VISUAL STROBE LIGHT-WP DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH ¾" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
- #HV WALL MOUNT FIRE ALARM HORN/STROBE LIGHT-WP DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH ¾" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
- #HV CEILING FIRE ALARM HORN/STROBE LIGHT-WP DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH ¾" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.

X / Ex.x — DETAIL NUMBER; SHEET NUMBER

SUBSCRIPTS:
C = COORDINATE LOCATION WITH MILLWORK-MOUNTING HEIGHTS VARY. REFER TO THE ARCHITECTURAL MILLWORK DRAWINGS.
K = LOCATED IN KNEE SPACE; COORDINATE LOCATION WITH MILLWORK-MOUNTING HEIGHTS VARY. REFER TO THE ARCHITECTURAL MILLWORK DRAWINGS.
W = WALL MOUNTED @ 48" A.F.F.-OR AS SHOWN.
GFI = GROUND FAULT CIRCUIT INTERRUPTER.
WP = WEATHER RESISTANT RECEPTACLES ARE "GFI", WITH METAL WEATHER RESISTANT "WHILE-IN-USE" COVERS.
MW = MICROWAVE OVEN.
GD = GARBAGE DISPOSER.
EM = FIXTURE CONTAINS EMERGENCY BATTERY PACK.
EC = ELECTRICAL CONTRACTOR
AFF = ABOVE FINISHED FLOOR
AFG = ABOVE FINISHED GRADE
EWC = ELECTRIC WATER COOLER
EWH = ELECTRIC WATER HEATER
NTS = NOT TO SCALE

GENERAL ELECTRICAL NOTES-ALL SHEETS
THESE NOTES ARE ONLY A SUPPLEMENT TO THE SPECIFICATIONS

1. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR A COMPLETE WORKING INSTALLATION.
2. THIS CONTRACTOR IS TO COMPLY WITH THE STATE ADOPTED ADA ACCESSIBLE GUIDELINES IN REGARD TO ACCESSIBLE FEATURES.
3. AT ALL MILLWORK LOCATIONS COORDINATE THE ELECTRICAL INSTALLATION WITH THE ARCHITECTURAL DRAWINGS.
4. PROVIDE FIRE RATED CAULKING WHERE CONDUIT OR OTHER ELECTRICAL ITEMS PASS THOUGH FIRE-RATED WALLS, CEILINGS AND FLOORS.
5. INSTALL ALL CONDUIT STRAIGHT AND PARALLEL WITH THE BUILDING LINES. ALL CONDUIT IS CONCEALED IN PUBLIC PLACES.
6. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT AND FEE COSTS AND SHALL INCLUDE THESE COSTS IN THE BID PRICE FOR THIS PROJECT.
7. THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES AND ORDINANCES. IF A CONFLICT IS FOUND BETWEEN APPLICABLE CODES, THE MORE STRINGENT SHALL APPLY. THE CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH ALL APPLICABLE MUNICIPAL CODES AND ORDINANCES.
8. THE SUBMISSION OF A PROPOSAL WILL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED THEMSELVES WITH THE DRAWINGS, SPECIFICATION BOOK, THE BUILDING SITE AND OTHER INFORMATION PRESENTED FOR THE CONSTRUCTION OF THIS PROJECT. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD A COMPLETE AND THOROUGH EXAMINATION BEEN MADE.
9. DO NOT SCALE DIRECTLY FROM THE ELECTRICAL DRAWINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL INFORMATION.
10. THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR WHICH MATERIALS ARE FURNISHED, FABRICATED OR FIELD ERECTED. THIS CONTRACTOR GUARANTEE SHALL EXIST FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL OWNER ACCEPTANCE OF THE WORK AND SHALL APPLY TO ALL DEFECTS IN MATERIALS AND/OR WORKMANSHIP OF ANY KIND.
11. WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF THE WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES WILL BE MADE WITH OUT THE EXPRESSED WRITTEN CONSENT OF THE OWNER.
12. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE WITH ALL OTHER TRADES TO INSURE THAT ALL CIRCUITS AND DEVICES ARE OF A PROPER SIZE FOR ACTUAL EQUIPMENT FURNISHED. THE ENGINEER SHALL BE NOTIFIED OF ANY CONFLICT WHICH CAUSES CHANGES TO ANY SYSTEM AS DESIGNED ON THESE DRAWINGS. FAILURE ON THE PART OF THE CONTRACTOR TO NOTIFY THE ENGINEER OR ARCHITECT OF SUCH CONFLICTS PLACES THE SUBSEQUENT CHANGES UPON THE CONTRACTOR.
13. WHEN INSTALLING POLE BASES OR UNDERGROUND UTILITIES, FIELD VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES. EXACT LOCATION OF POLE BASES AND CONDUIT TO BE DETERMINED IN THE FIELD.
14. THE ELECTRICAL CONTRACTOR IS TO PROVIDE, AT YET TO BE DECIDED LOCATIONS, FIVE (5) CONDUIT STUB-UPS, WHICH ARE TO INCLUDE 4" OUTLET BOXES, PLASTER RINGS, COVER PLATES, AND CONDUIT TO ABOVE THE CEILING, THREE ONE GANG AND TWO TWO GANG. IN ADDITION, PROVIDE FIVE (5) SINGLE GANG STUB-UPS WHICH ARE TO INCLUDE 4" OUTLET BOXES, PLASTER RINGS, COVER PLATES, INCLUDING ONE RECEPTACLE OR SWITCH WITH 50 FEET OF CIRCUIT WIRING PER SINGLE GANG STUB-UP. COMBINED TOTAL NUMBER OF STUB-UPS REQUIRED IS TEN (10).
15. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING SYSTEMS:

A. POWER AND LIGHTING
1. ALL DEVICE PLATES ARE STAINLESS STEEL. COLOR OF DEVICES ARE TO BE GRAY.
2. ALL 20A 120V AND 250V NON-LOCKING TYPE RECEPTACLES, UNLESS OTHERWISE NOTED, SHALL BE TAMPER RESISTANT TYPE PER NEC 406.12.
3. WHERE DEVICES ARE SHOWN NEXT TO EACH OTHER, THEY ARE INTENDED TO BE GANGED. FIELD VERIFY ACTUAL SPACE AVAILABLE AND NOTIFY THE ARCHITECT WHERE THERE ARE SPACE CONFLICTS.
4. LON VOLTAGE WIRING IS TO BE ENGASED IN CONDUIT IN AREAS WITH NO CEILING.
5. RECEPTACLES FOR EQUIPMENT SUCH AS ELECTRIC WATER COOLERS SHALL BE LOCATED IN THE WALL AT A LOCATION WHICH IS CONCEALED BY THE EQUIPMENT CABINET.
6. ALL EMPTY CONDUITS ARE TO CONTAIN A NYLON PULL STRING. EMPTY CONDUITS 2" AND LARGER ARE TO BE SNABBED OUT AND LEFT WITH A NYLON PULL ROPE FOR THE USE OF THE OWNER.
7. COVER PLATES FOR EXTERIOR RECEPTACLES ARE TO BE METAL, WEATHER PROOF WHILE IN USE.
8. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DRIVER AND LAMP COMBINATIONS THAT WILL PROVIDE THE OWNER WITH A FIVE YEAR WARRANTY ON THE DRIVER.
9. COORDINATE WITH THE GENERAL CONTRACTOR AND THE INSULATION CONTRACTOR TO HOLD THE BATT INSULATION AWAY FROM ALL LAY-IN FIXTURES. CLEARANCE SHOULD BE 3" ON ALL SIDES, AND TOTALLY CLEAR ON THE TOP.
10. ROOM NUMBERS USED IN THE PANEL SCHEDULES ARE TO REFLECT ROOM NUMBERS ON THESE DRAWINGS.
11. OCCUPANCY SENSORS ARE TO BE LAID OUT BY THE LIGHTING REPRESENTATIVE FURNISHING THE EQUIPMENT HSA WILL PROVIDE AUTO CAD DRAWINGS AS NECESSARY. ELECTRICAL CONTRACTOR RESPONSIBLE FOR LOCATION DETAILS AND MOUNTING. SENSORS SHOWN ARE FOR REFERENCE ONLY.
12. WHERE INDIRECT (SUSPENDED) LIGHTING IS USED, THE ELECTRICAL CONTRACTOR SHALL CONTRACT WITH THE CEILING CONTRACTOR TO PROVIDE THE NECESSARY TIES TO THE STRUCTURE ABOVE AT EACH POINT OF ATTACHMENT OF THE FIXTURE HANGERS.
13. FOR DEVICE LOCATIONS AT FURRED OUT CMU WALLS BACK BOXES ARE TO HAVE A MAXIMUM DEPTH OF 1 ½".
14. WIRE SIZES:

WIRE SIZE 120V

A. #12 LESS THAN 75 FEET
B. #10 BETWEEN 75-150 FEET
C. #8 BETWEEN 150-250 FEET
D. #6 BETWEEN 250-375 FEET

GENERAL ELECTRICAL NOTES
(CONTINUED.)

B. FIRE ALARM:
1. ALL FIRE ALARM OUTLET BOXES ARE TO BE PAINTED RED.
2. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING BREAKER LOCK FOR LOCKING FIRE ALARM PANEL BREAKER IN THE "ON" POSITION.
3. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING A PLAN BOX NEXT TO THE FIRE ALARM CONTROL PANEL. COORDINATE EXACT SIZE AND LOCATION OF BOX WITH THE CITY FIRE MARSHAL PRIOR TO INSTALLATION.
4. INSTALL FIRE ALARM SYSTEM PER N.F.P.A. AND ALL STATE AND LOCAL ORDINANCES.
5. FURNISHING ALL DEVICES AND SYSTEMS NECESSARY FOR A COMPLETE ACCEPTABLE SYSTEM. NO EXTRA CHARGES WILL BE ALLOWED, OUTSIDE OF THE CONTRACT PRICE. THE FIRE ALARM CONTRACTOR IS TO SUBMIT PLANS TO THE FIRE MARSHAL FOR FINAL APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
6. DUCT DETECTORS ARE SUPPLIED AND INSTALLED BY THE FIRE ALARM CONTRACTOR. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO FURNISH ALL WIRING NECESSARY TO CONNECT THESE DEVICES TO THE FIRE ALARM SYSTEM. PROVIDE WITH REMOTE INDICATOR OR SEPARATELY ZONED. COORDINATE QUANTITY AND LOCATION WITH THE MECHANICAL DRAWINGS.

C. CONDUIT AND CABLE SYSTEM FOR DATA AND TELEPHONE WIRING.
1. CONDUIT FOR DATA AND TELEPHONE SYSTEM, TO INCLUDE SLEEVES IN FIRE WALLS.
2. DATA OUTLETS IN THE FLOOR REQUIRE 1" CONDUIT FROM EACH ONE TO A POINT ABOVE AN ACCESSIBLE CEILING. NO DAISY CHAINING OF DATA OUTLETS/CONDUITS IS ALLOWED.
3. CABLE IS NOT TO BE INSTALLED EXPOSED. INSTALL PLENUM RATED CABLES THROUGHOUT ENTIRE BUILDING. VERIFY WITH MECHANICAL PLANS.
4. ELECTRICAL CONTRACTOR IS TO PROVIDE, INSTALL AND TERMINATE ALL DATA/TELEPHONE WIRING. REFER TO SPECIFICATIONS FOR EXACT REQUIREMENTS.

D. GROUNDING SYSTEM
1. ALL CONDUITS ARE TO CONTAIN A GREEN GROUNDING CONDUCTOR, SIZED PER THE N.E.C.
2. GROUND BUILDING STEEL AS INDICATED ON DRAWINGS.

E. EQUIPMENT REQUIREMENTS:
1. VERIFY EXACT FUSE SIZE AND EQUIPMENT REQUIREMENTS WITH THE ACTUAL EQUIPMENT FURNISHED BY THE OTHER CONTRACTORS.
2. FINAL EQUIPMENT CONNECTIONS: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS REQUIRED TO MAKE FINAL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT FURNISHED ON THIS PROJECT. VERIFY ALL REQUIREMENTS, CONDUCTOR SIZES, OVERCURRENT PROTECTION, PHASES, VOLTAGES, MOTOR ROTATION, ETC., WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE FUSED DISCONNECT IF REQUIRED BY MANUFACTURER. FURNISH HARD WIRING FOR ALL WATER HEATERS AND CIRCULATION PUMPS.
3. THE ELECTRICAL CONTRACTOR IS TO PROVIDE ALL CONTACTORS, MAGNETIC STARTERS, AND MISCELLANEOUS WIRING NECESSARY TO CONTROL EXHAUST FANS AND OTHER AUTOMATICALLY OPERATED EQUIPMENT. THE CONTROLS CONTRACTOR IS TO FURNISH ONE RELAY PER ITEM AS COMPATIBLE WITH THEIR CONTROL SYSTEM.

F. HVAC CONTROL:
1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT FROM EACH HVAC UNIT TO ITS RESPECTIVE THERMOSTAT, HUMIDISTAT, AND/OR SENSOR, AS REQUIRED. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR AND ARCHITECT PRIOR TO ROUGH-IN.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT AND WIRING NECESSARY FOR LINE VOLTAGE CONTROL SYSTEMS.
3. ALL LON VOLTAGE CONTROL WIRING SHALL BE ENCLOSED IN CONDUIT IN SPACES WITH NO CEILING
4. COORDINATE ALL HVAC WIRING WITH THE MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR.
5. THE ELECTRICAL CONTRACTOR IS TO PROVIDE A MAGNETIC STARTER FOR EACH EXHAUST FAN. THIS STARTER IS CONTROLLED BY THE LIGHTING/MOTION SENSOR SYSTEM.
6. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL ALL LINE VOLTAGE THERMOSTATS.

G. SECURITY CAMERAS:
1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL CONDUIT FOR SECURITY CAMERAS SHOWN ON THE PLANS.
2. THE OWNER VENDOR CONTRACTOR SHALL PROVIDE THE SECURITY CAMERA SYSTEM WIRING AND ALL OF ITS COMPONENTS.

H. ACCESS CONTROL:
1. CONTRACTOR IS RESPONSIBLE FOR PROVIDING 120 VOLT POWER TO EACH ACCESS CONTROL CABINET LOCATED IN THE DATA ROOM AND AT EACH DOOR. CONDUIT AT DOORS WITH LOCKS IS TO BE INSTALLED CONCEALED IN THE WALL.
2. ACCESS CONTROL SYSTEMS IS PROVIDED BY THE OWNER VENDOR CONTRACTOR. COORDINATE ALL REQUIREMENTS.

STATE OF ARKANSAS — REGISTERED PROFESSIONAL ENGINEER — No.18929 — MICHAEL T. RAPPOLD — 11-25-2025

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: AS
CHECK BY: MR
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

HSA Engineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com
HSA JOB # 25-155

ELECTRICAL LEGEND, NOTES & DETAILS

SHEET
E1.1

DEMOLITION LEGEND

ELECTRICAL DEVICES WITH DASHED LINES ARE TO BE DEMOLISHED; DISCONNECT REMOVE CONDUIT AND WIRE BACK TO JUNCTION POINT. MAINTAIN CONTINUITY TO REMAINING DEVICES ON THAT CIRCUIT. FIELD VERIFY EXISTING CONDITIONS.

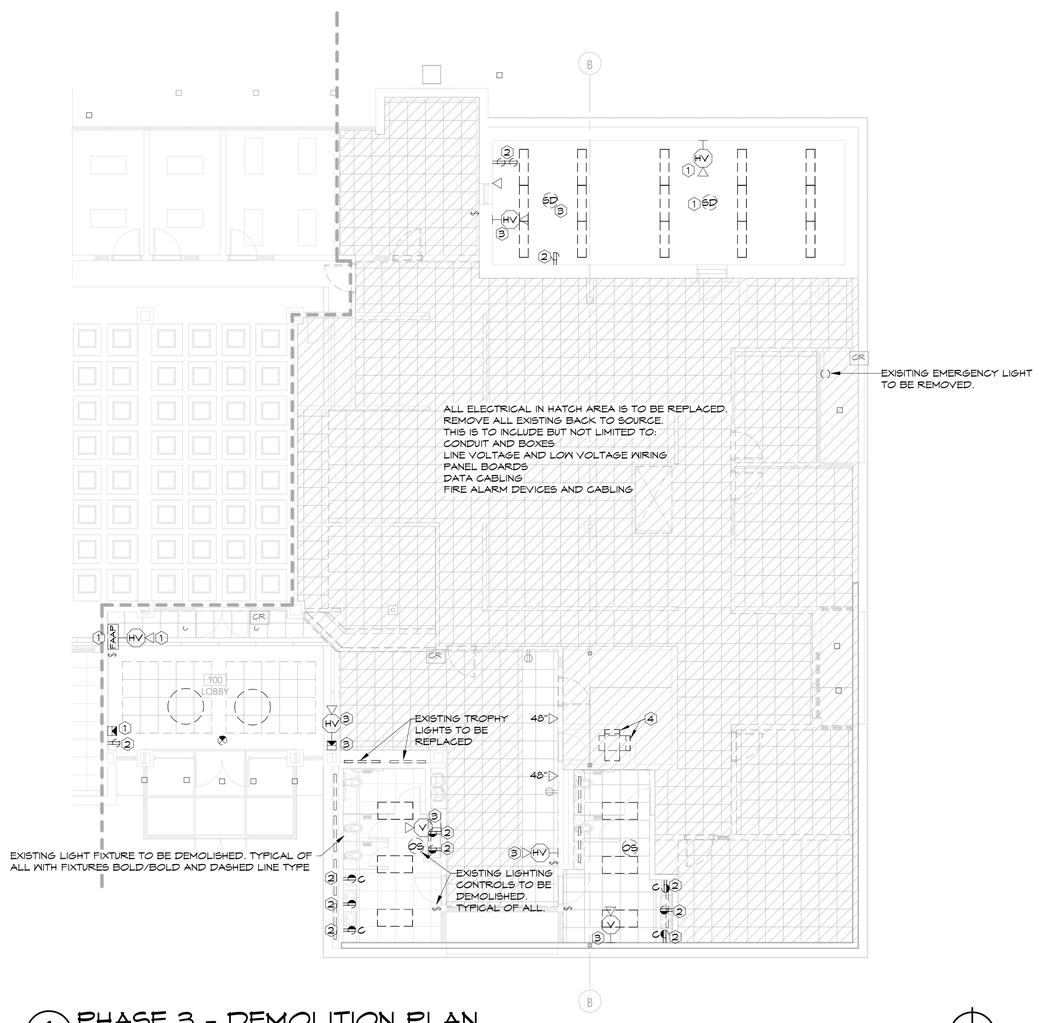
GRAYED OUT ELECTRICAL DEVICES ARE TO BE REMOVED AND REPLACED WITH NEW DEVICES

ELECTRICAL DEMOLITION GENERAL NOTES

1. FOR ALL DEVICES IN WALLS/MILLWORK BEING DEMOLISHED: DISCONNECT REMOVE CONDUIT AND WIRE BACK TO JUNCTION POINT. MAINTAIN CONTINUITY TO REMAINING DEVICES ON THAT CIRCUIT.
2. REMOVE ALL DEVICES IN CEILINGS THAT ARE TO BE DEMOLISHED; DISCONNECT AND REMOVE CONDUIT AND WIRE BACK TO SOURCE, LABEL BREAKER AS SPARE.
3. ALL EXISTING LIGHT FIXTURES AND LIGHTING CONTROL DEVICES ARE TO BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED.
4. FOR ALL UNUSED CIRCUITS, REMOVE CONDUIT AND WIRE BACK TO SOURCE, LABEL BREAKER AS SPARE.
5. REFER TO ARCHITECTURAL DRAWINGS FOR AREAS TO BE DEMOLISHED
6. GRAYED OUT DEVICES SHOW EXISTING TO REMAIN DEVICE LOCATIONS.
7. DEVICES SHOWN AS BOLD OR DASHED ARE TO BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED.
8. REMOVE POWER TO ALL EXISTING EQUIPMENT TO BE DEMOLISHED, COORDINATE WITH ALL TRADES.
9. FIELD VERIFY ALL EXISTING CONDITIONS.

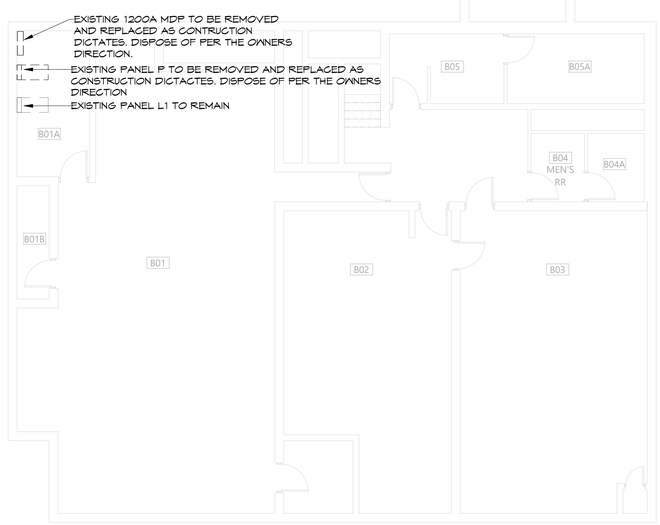
KEYED NOTES

1. REMOVE EXISTING FIRE ALARM DEVICES AND REINSTALL NEW DEVICES AT SAME LOCATION.
2. REMOVE EXISTING ELECTRICAL FIXTURES AND REINSTALL NEW DEVICES AT SAME LOCATION.
3. REMOVE AND DISPOSE OF EXISTING FIRE ALARM DEVICES TO BE REMOVED AS CONSTRUCTION DICTATES.
4. REMOVE AND DISPOSE OF EXISTING ELECTRICAL PANEL TO BE REMOVED AS CONSTRUCTION DICATES.

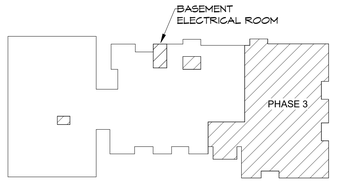


1 PHASE 3 - DEMOLITION PLAN
1/8" = 1'-0"

NORTH



2 PHASE 3 - BASEMENT DEMOLITION PLAN
1/8" = 1'-0"



KEYPLAN

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com
HSA JOB # 25-155

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.18929
MICHAEL T. RAPPOLD
11-25-2025

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

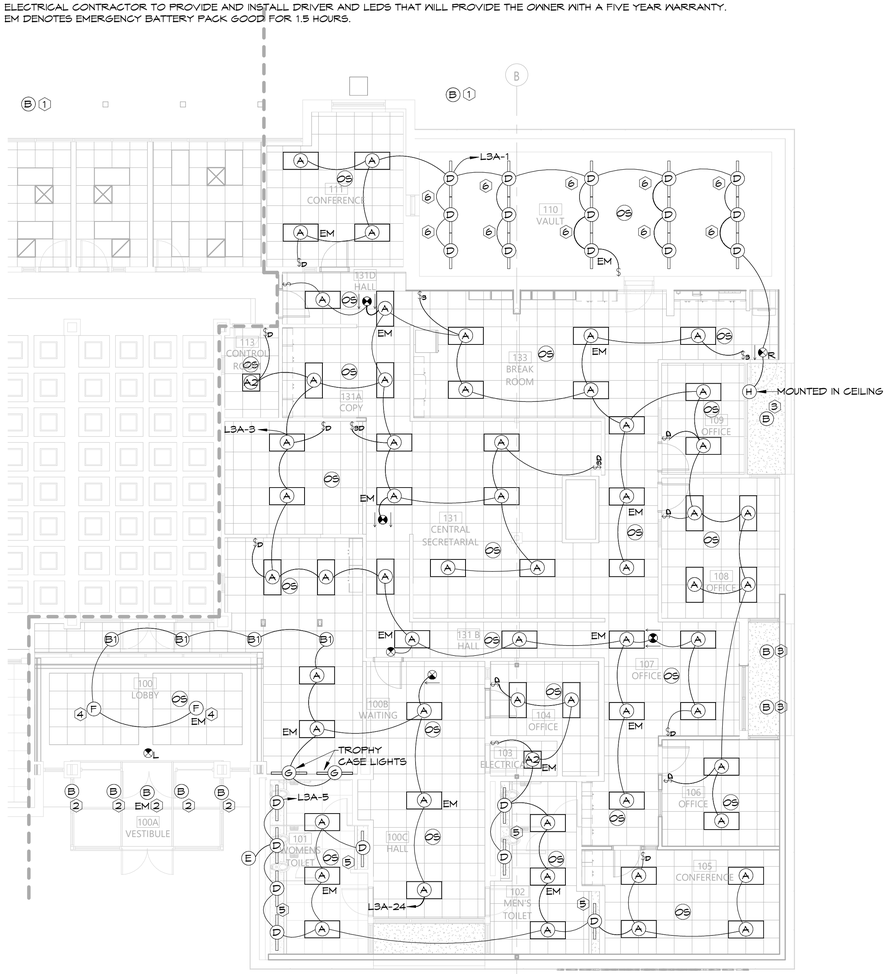
A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: AS
CHECK BY: MR
ISSUE DATE: 11/25/2025
PROJECT NO. 2534
REVISION DATES: 12/17/2025

PHASE 3 - ELECTRICAL DEMO PLAN
SHEET
E2.0

LIGHTING FIXTURE SCHEDULE											
MARK	VOLT	WATT	LAMP		MOUNTING				MANUFACTURER	CATALOG NO.	REMARKS
			CCT	TYPE	BRKT	PEND	REC	SURF			
A	UNV	49	4000K	LED			X		H.E. WILLIAMS	LT-24-L64/840-AF-QS-DIM-UNV	6400 LUMEN 2X4 LED TROFFER
A2	UNV	49	4000K	LED			X		H.E. WILLIAMS	LT-22-L40/840-AF-DIM-UNV	4000 LUMEN 2X2 LED TROFFER
B	UNV	31	4000K	LED			X		LSI LIGHTING	XSPS-S-LED-SS-NW-120-SWT-DFL-CMT SOFFIT	5000 LUMEN LED SOFFIT LIGHT
B1	UNV	36	4000K	LED			X		H.E. WILLIAMS	6DR-L40/840-OPTIONS-DIM-UNV	6IN ROUND DOWNLIGHT
D	UNV	33	4000K	LED				X	H.E. WILLIAMS	7SS-4-L50/840-DIM-UNV	5000 LUMEN 1X4 STRIP
E	UNV	5	N/A	LED				X	MULE LIGHTING	MERU-LED-ACEM-WH	EXTERIOR EMERGENCY LIGHT
F	UNV	57	4000K	LED		X			SPI LIGHTING	AIP11984-L57W-UNV-4000K-DF-AG	4FT 2.5IN DECORATIVE PENDANT SUSPEND 1FT TIN FROM CEILING TILE
G	UNV	20	4000K	LED		X			H.E. WILLIAMS	7SS-4-L30/840-DIM-UNV	3000 LUMEN STRIP TROPHY CASE LIGHT
H	UNV	1	N/A	LED				X	MULE LIGHTING	R-ASRLED-1-WP-W	REMOTE HEAD EMERGENCY EXTERIOR LIGHT
⊗	UNV	5	N/A	LED				X	MULE LIGHTING	PVT-U-B-R-S/R-BA-SD	EXIT SIGN
⊗R	UNV	5	N/A	LED				X	MULE LIGHTING	PVT-U-B-R-S/R-BA-REM	EXIT SIGN WITH REMOTE HEAD CAPABILITIES
⊗L	UNV	5	N/A	LED				X	MULE LIGHTING	70-T-O-B	PHOTOLUMINUS EXIT SIGN

NOTES:
NOTE : HOLD ALL INSULATION OFF RECESSED FIXTURES AND A MINIMUM OF 3" TO THE SIDE.
NOTE : EXIT LIGHTS AND EMERGENCY LIGHTS REQUIRES UNSWITCHED HOT WIRE PER MANUFACTURER RECOMMENDATION.
NOTE : ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DRIVER AND LEDS THAT WILL PROVIDE THE OWNER WITH A FIVE YEAR WARRANTY.
NOTE : EM DENOTES EMERGENCY BATTERY PACK GOOD FOR 1.5 HOURS.



1 PHASE 3 - LIGHTING PLAN
1/8" = 1'-0"

NORTH

GENERAL LIGHTING NOTES

1. NEW SWITCHES AND OCCUPANCY SENSORS ARE TO BE LUTRON VIVE PROVIDE AND PROGRAM TO HUB. CONNECT HUB TO NEAREST EXISTING RECEPTACLE CIRCUIT.

LIGHTING KEYED NOTES

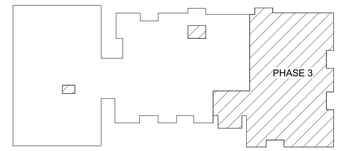
1. REPLACE DAMGED EXTERIOR DOWNLIGHT. COORDINATE WITH OWNER FOR EXACT LOCATION. CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUITRY. EXTEND AS REQUIRED
2. REPLACE LIGHTS LOCATED AT UPPER SOFFIT ABOVE AIRLOCK 100A. FIELD VERIFY EXACT LOCATION. CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUITRY. EXTEND AS REQUIRED.
3. REPLACE DAMAGED EXTERIOR DOWNLIGHT. PROVIDE NEW CIRCUITRY BACK TO EXISTING EXTERIOR LIGHTING CIRCUIT THAT IS LOCATED OUTISDE OF THE REMODELED AREA.
4. CENTER FIXTURE WITHIN OVERALL CEILING GRID SHARE. EXISTING FIXTURES ARE NOT CENTERED. ADJUST POWER SUPPLY TO NEW LOCATION.
5. PROTECT EXISTING PARABOLIC GRILLE TO REMAIN.
6. CONDUIT LOCATED IN EXISTING ROOF SLAB. FIELD VERIFY EXACT LOCATIONS.

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 16929
MICHAEL T. RAPPOLD
11-25-2025

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: AS
CHECK BY: MR
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025



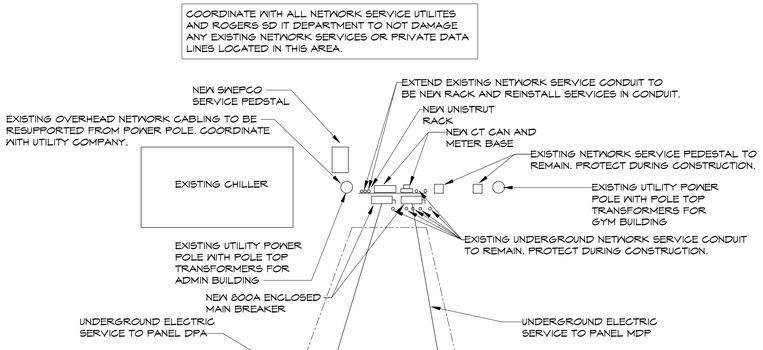
KEYPLAN

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com

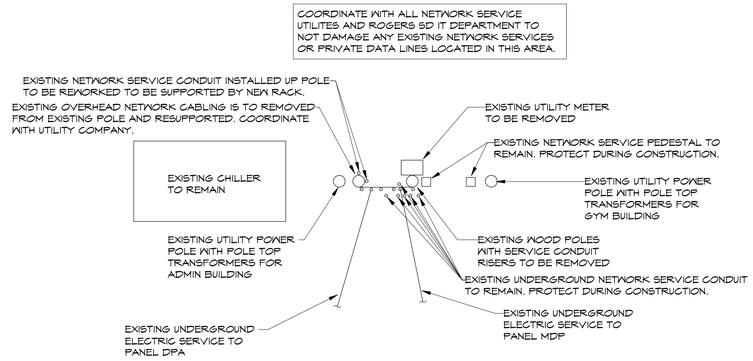
HSA JOB # 25-155

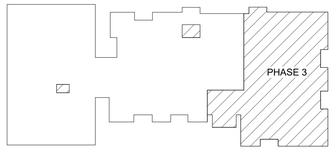
PHASE 3 - LIGHTING PLAN

SHEET
E2.1

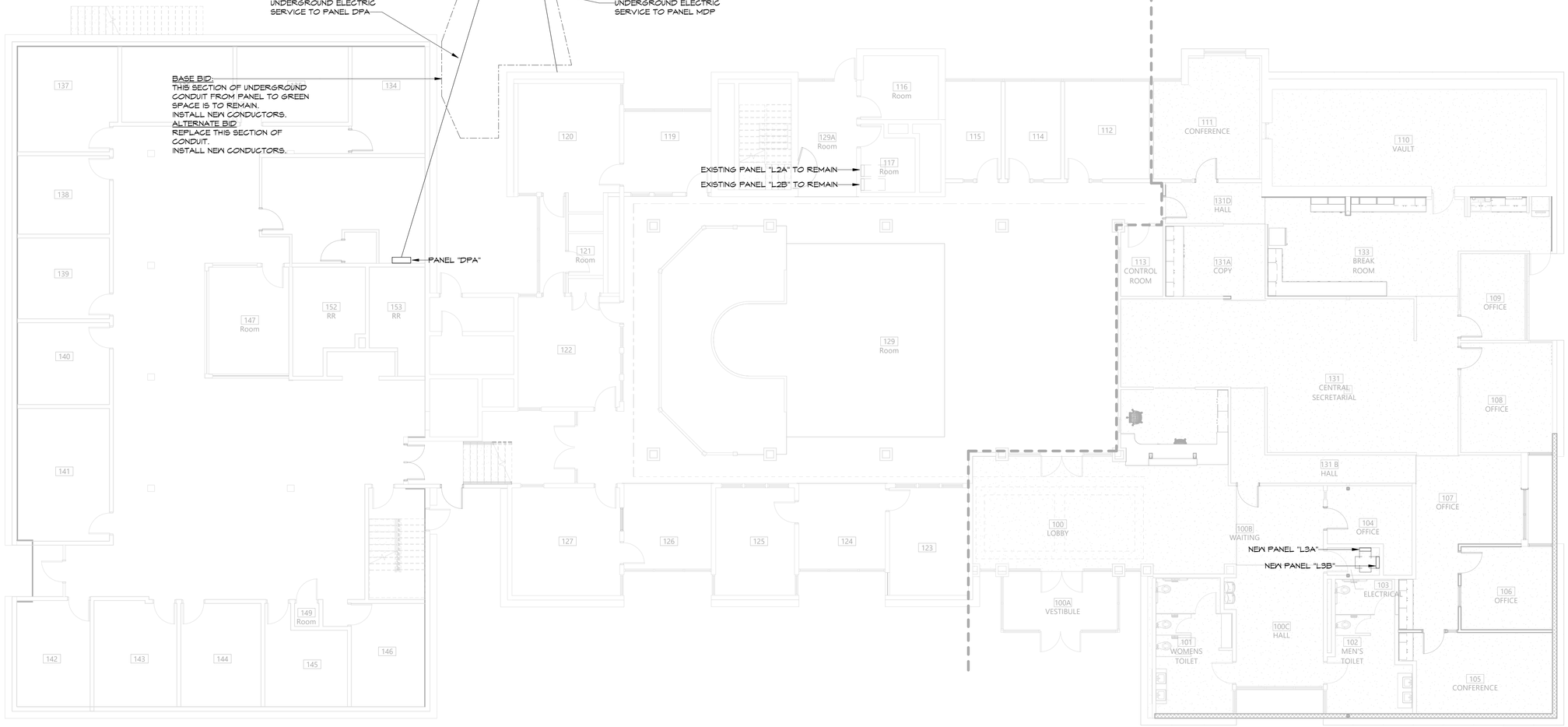


2 EXISTING ELECTRICAL SERVICE LAYOUT
N.T.S.





KEYPLAN



1 OVERALL FIRST FLOOR POWER PLAN
1/8" = 1'-0"

NORTH

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com

HSA JOB # 25-155

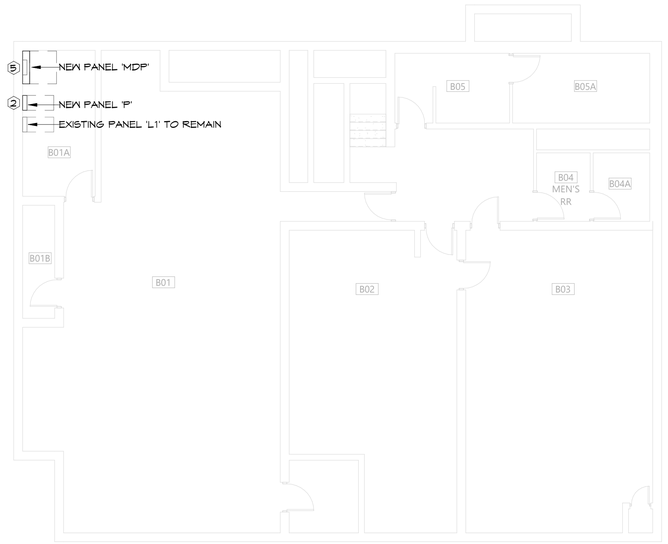
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 18929
MICHAEL T. RAPPOLD
11-25-2025

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

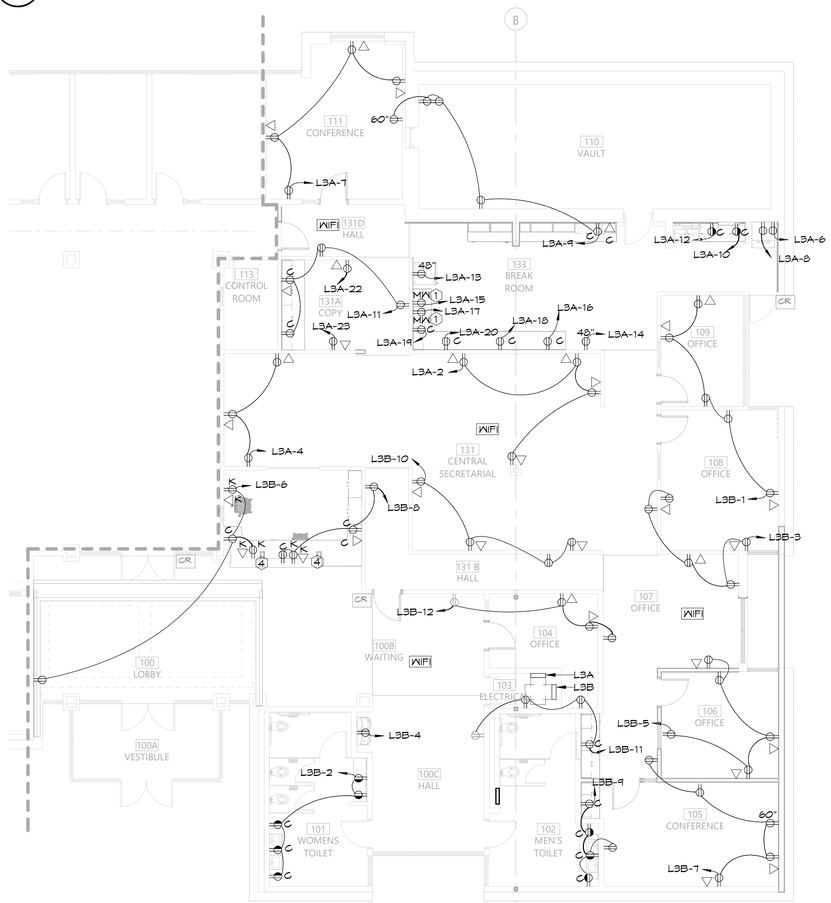
A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: AS
CHECK BY: MR
ISSUE DATE: 11/25/2025
PROJECT NO: 2534
REVISION DATES: 12/17/2025

PHASE 3 - OVERALL POWER PLAN
SHEET
E2.2

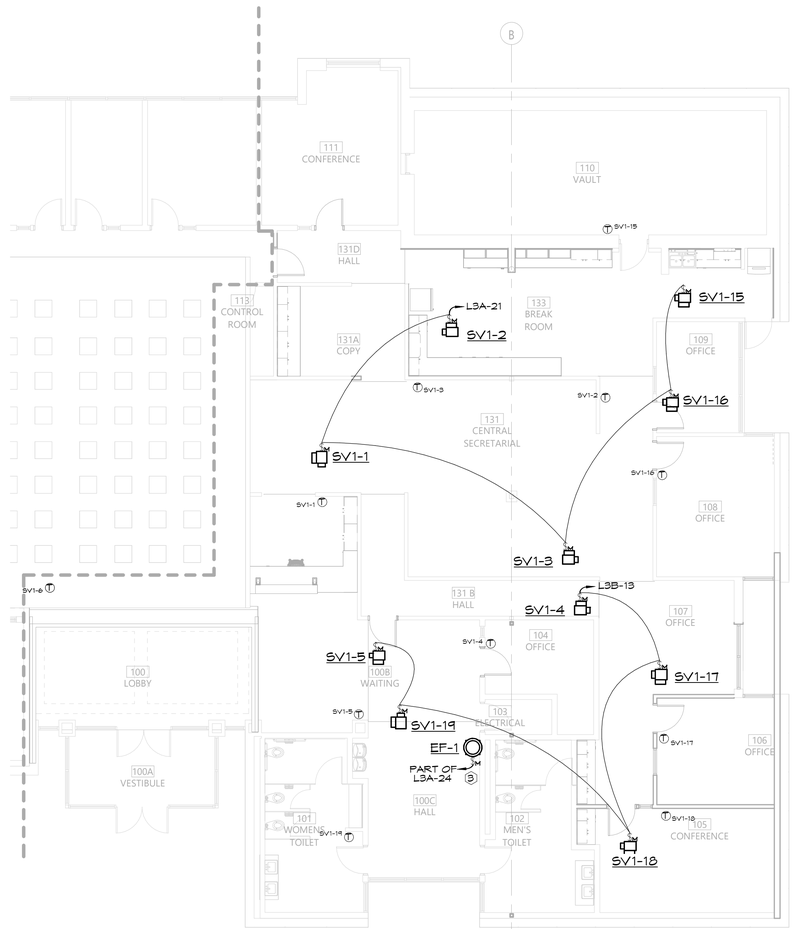


3 PHASE 3 - BASEMENT POWER PLAN
1/8" = 1'-0"



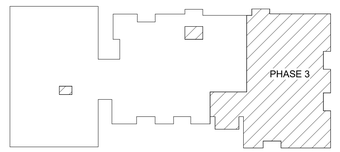
1 PHASE 3 - POWER PLAN
1/8" = 1'-0"

NORTH



2 PHASE 3 - MECHANICAL POWER PLAN
1/8" = 1'-0"

NORTH



KEYPLAN

GENERAL POWER NOTES

1. GRAYED OUT DEVICES SHOW EXISTING TO REMAIN DEVICE LOCATIONS.

KEYED POWER NOTES

1. COORDINATE EXACT LOCATION WITH PROVIDER/INSTALLER, CONSIDER MILLWORK AND HEIGHT OF MICROWAVE.
2. REPLACE EXISTING PANEL P WITH NEW PANEL. RECONNECT ALL EXISTING CIRCUITS TO PANEL. EXTEND ALL CIRCUITRY AS REQUIRED. FIELD VERIFY ALL EXISTING CONDITIONS.
3. INTERLOCK EXHAUST FAN WITH LIGHTING CONTROL. IN WOMENS TOILET 101 AND MENS TOILET 102. LOCATED ON ROOF.
4. PROVIDE CONDUIT FEED FOR POWER AND DATA DOWN METAL STUD FURR OUTS ON NORTH SIDE OF EXISTING STEEL COLUMNS.
5. REPLACE EXISTING PANEL MDP WITH NEW PANEL. RECONNECT ALL EXISTING CIRCUITS TO PANEL. EXTEND ALL CIRCUITRY AS REQUIRED. FIELD VERIFY ALL EXISTING CONDITIONS.

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 18929
MICHAEL T. RAPPOLD
11-25-2025

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: AS
CHECK BY: MR
ISSUE DATE: 11/25/2025
PROJECT NO: 2534
REVISION DATES: 12/17/2025

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com
HSA JOB # 25-155

PHASE 3 - POWER PLAN

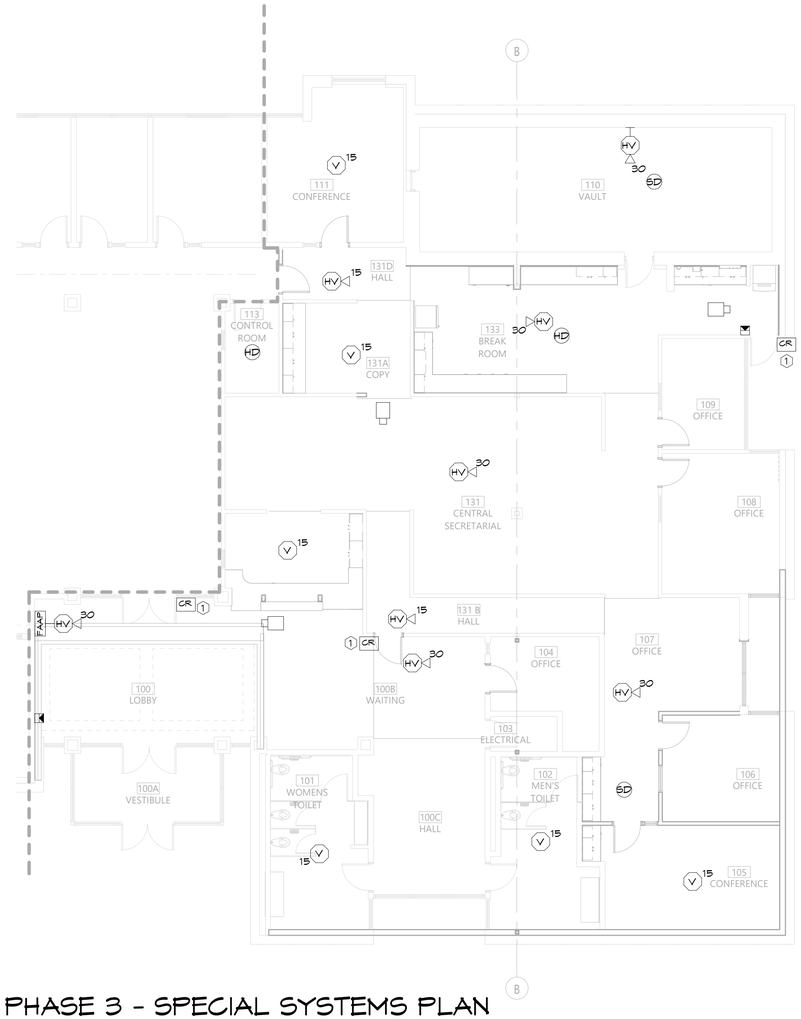
SHEET
E2.3

GENERAL SPECIAL SYSTEMS NOTES

1. SEE GENERAL NOTES ON E1.1 FOR ADDITIONAL SPECIAL SYSTEMS NOTES.

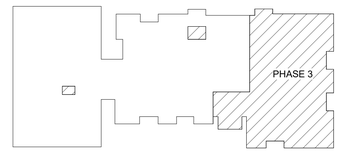
KEYED SPECIAL SYSTEMS NOTES

1. OWNER'S VENDOR CONTRACTOR IS TO INSTALL NEW WIRING TO EXISTING ACCESS COTNROL CARD READERS AS REQUIRED



1 PHASE 3 - SPECIAL SYSTEMS PLAN
1/8" = 1'-0"

NORTH



KEYPLAN

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com

HSA JOB # 25-155

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 18929
MICHAEL T. RAPPOLD
11-25-2025

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: AS
CHECK BY: MR
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

PHASE 3 - SPECIAL SYSTEMS PLAN

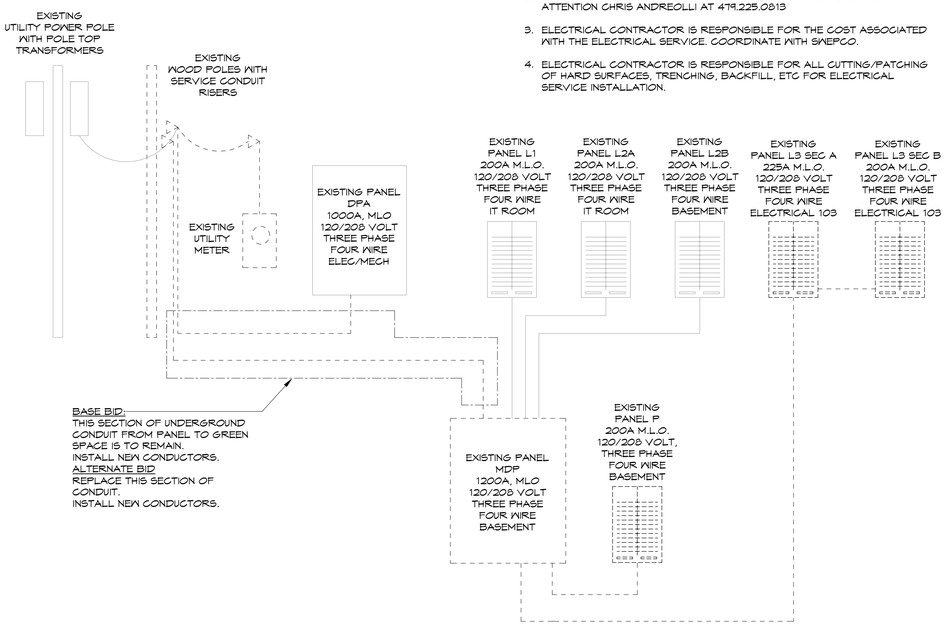
SHEET
E2.4

RISER LEGEND

- EXISTING TO BE DEMOLISHED
- EXISTING TO REMAIN
- NEW

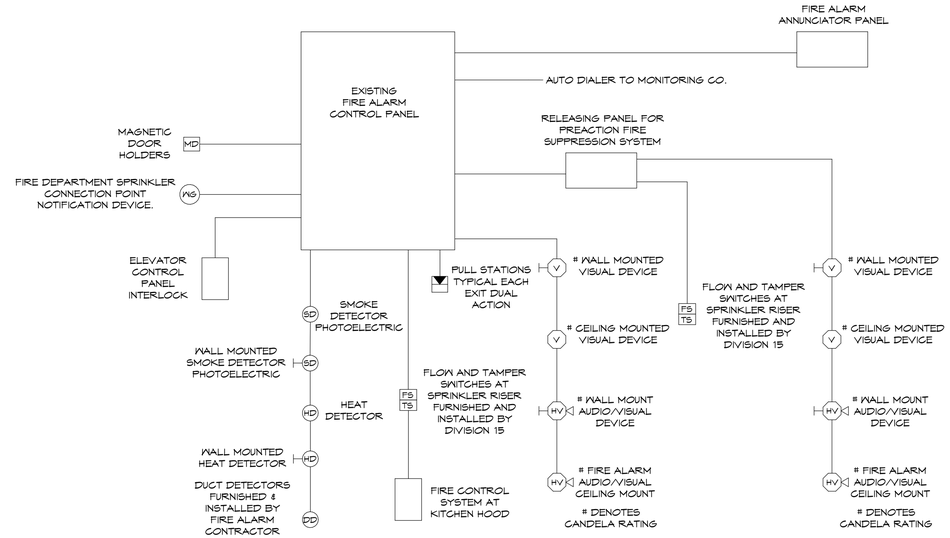
RISER NOTES

1. ALL DOWN TIME OF ELECTRICAL SERVICE TO THE BUILDING IS TO BE KEPT TO A MINIMUM AND BE OUT OF THE NORMAL WORKING HOURS. COORDINATE ALL DOWN TIME WITH THE OWNER.
2. COORDINATE ELECTRICAL SERVICE INSTALLATION WITH SWEPCO. ATTENTION CHRIS ANDREOLLI AT 479.225.0813
3. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE COST ASSOCIATED WITH THE ELECTRICAL SERVICE. COORDINATE WITH SWEPCO.
4. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING/PATCHING OF HARD SURFACES, TRENCHING, BACKFILL, ETC FOR ELECTRICAL SERVICE INSTALLATION.



1 DEMO ELECTRICAL RISER DIAGRAM

N.T.S.



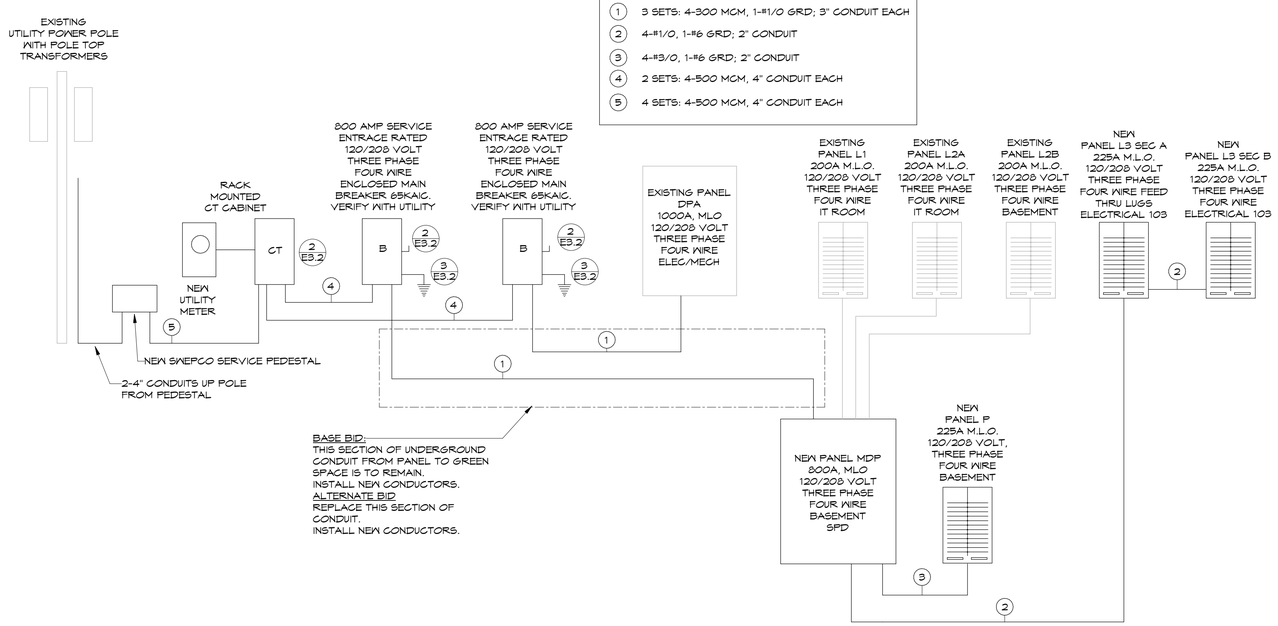
NOTE:
1. INSTALL WIRING TO ALL DUCT DETECTORS. REFER TO SPECIAL SYSTEMS PLANS.
2. COORDINATE WITH THE MECHANICAL DRAWINGS.
3. COORDINATE WITH THE LOCAL "A.H.J." PRIOR TO BIDDING THIS PROJECT.
4. FIRE ALARM CONTRACTOR TO MODIFY AS NECESSARY FOR SYSTEM PROVIDED.
5. FIRE ALARM CONTRACTOR TO PROVIDE DETECTION AND RELEASE OF PREACTING FIRE SUPPRESSION SYSTEM. COORDINATE WITH FIRE SUPPRESSION CONTRACTOR TO PROVIDE ALL COMPONENTS FOR A COMPLETE AND WORKING SYSTEM

3 FIRE ALARM SYSTEM RISER DIAGRAM

N.T.S.

FEEDER SCHEDULE

1	3 SETS: 4-300 MCM, 1-#1/0 GRD; 3" CONDUIT EACH
2	4-#1/0, 1-#6 GRD; 2" CONDUIT
3	4-#3/0, 1-#6 GRD; 2" CONDUIT
4	2 SETS: 4-500 MCM, 4" CONDUIT EACH
5	4 SETS: 4-500 MCM, 4" CONDUIT EACH



2 NEW ELECTRICAL RISER DIAGRAM

N.T.S.

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com
HSA JOB # 25-155

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 18929
MICHAEL T. RAPPOLD
11-25-2025

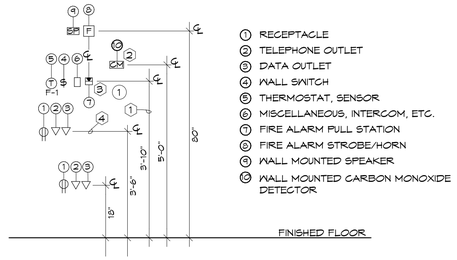
Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: AS
CHECK BY: MR
ISSUE DATE: 11/25/2025
PROJECT NO. 2534
REVISION DATES: 12/17/2025

ELECTRICAL DETAILS

SHEET
E3.1



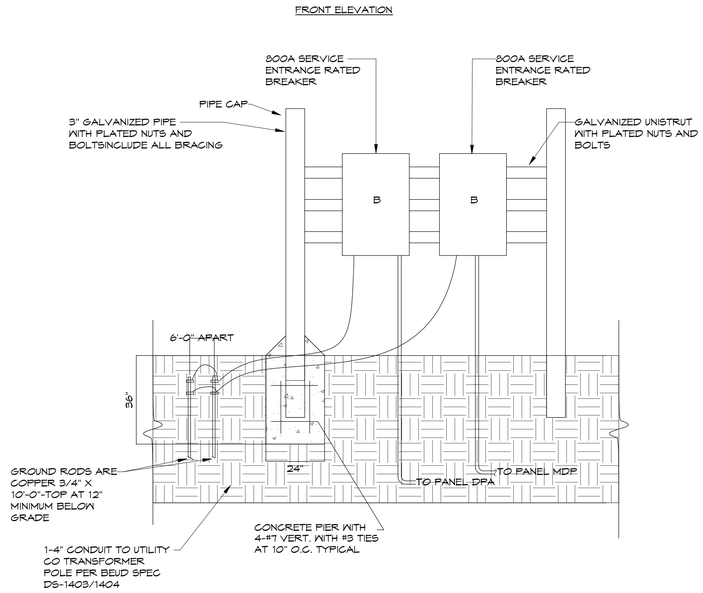
1. RECEPTACLE
2. TELEPHONE OUTLET
3. DATA OUTLET
4. WALL SWITCH
5. THERMOSTAT, SENSOR
6. MISCELLANEOUS, INTERCOM, ETC.
7. FIRE ALARM PULL STATION
8. FIRE ALARM STROBE/HORN
9. WALL MOUNTED SPEAKER
10. WALL MOUNTED CARBON MONOXIDE DETECTOR

MOUNTING HEIGHT KEYED NOTE:

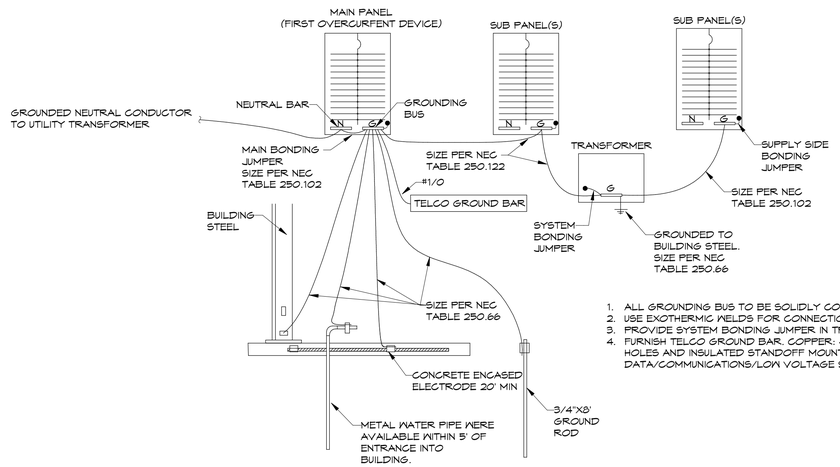
1. 4'-0" MAXIMUM TO TOP OF DEVICE UNLESS LOCATED ABOVE OBSTRUCTION (OR NOTED OTHERWISE) THEN MAXIMUM 4" ABOVE THE OBSTRUCTION. COORDINATE WITH MILLWORK.
2. MOUNT NEAR RETURN AIR GRILLE.
3. THE HEIGHT OF THE MANUAL FIRE ALARM BOXES SHALL BE A MINIMUM OF 42" AND A MAXIMUM OF 48" MEASURED VERTICALLY, FROM THE FLOOR LEVEL TO THE ACTIVATING HANDLE OR LEVER OF THE BOX.
4. ABOVE COUNTER MOUNTED DEVICES. INSTALL DEVICES ABOVE BACKSPLASH AND COORDINATED WITH MILLWORK. DATA/TELEPHONE DEVICES SHOWN ADJACENT TO ABOVE COUNTER RECEPTACLES TO BE TO BE MOUNTED AT SAME HEIGHT.

NOTE:
1. ALL DEVICES SHOWN MAY NOT BE USED.
2. DETAIL INDICATES TYPICAL MOUNTING HEIGHTS ONLY.
3. DEVICES SHALL BE INSTALLED PLUMB, SQUARE AND TRUE.
4. ALL DEVICES INSTALLED AT A SINGLE LOCATION SHALL BE ALIGNED U.N.O.
5. COORDINATE ALL MOUNTING HEIGHTS WITH ARCHITECT.

1 MOUNTING HEIGHT DETAIL
N.T.S.



2 RACK MOUNTED PANEL DETAIL
N.T.S.



1. ALL GROUNDING BUS TO BE SOLIDLY CONNECTED TO ENCLOSURE.
2. USE EXOTHERMIC WELDS FOR CONNECTION TO BUILDING STEEL AND REBAR.
3. PROVIDE SYSTEM BONDING JUMPER IN TRANSFORMERS SIZED PER NEC TABLE 250.102.
4. FURNISH TELCO GROUND BAR, COPPER, 4" X 20" X 1/4" WITH PREDRILLED 1/4" - 20 HOLES AND INSULATED STANDOFF MOUNTS. PROVIDE ONE PER DATA/COMMUNICATIONS/LOW VOLTAGE SYSTEMS ROOM.

3 GROUNDING DIAGRAM
N.T.S.

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.16929
MICHAEL T. RAPPOLD
11-25-2025

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: AS
CHECK BY: MR
ISSUE DATE: 11/25/2025
PROJECT NO: 2534
REVISION DATES: 12/17/2025

ELECTRICAL DETAILS

SHEET
E3.2

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com
HSA JOB # 25-155

DISTRIBUTION PANEL SCHEDULE

Panel Name: MDP

Amp Rating: 800 A
Mains: MLO
MCB Rating: N/A
Volts/Phase/Wire: 120/208 Wye / 3 / 4

Manufacturer: SQUARE D
Panel Type: I-LINE
Remarks: CU BUS

Fault Current:

LOCATION: B01A

CKT	Circuit Description	Frame	Rating	Poles	A	B	C	Remarks
1	PANEL P	200 A	200 A	3	0 VA	0 VA	0 VA	FIELD VERIFY FUSE SIZE IN EXISTING PANEL PRIOR TO ORDERING BREAKER. BERAKER SIZE IS TO MATCH EXISTING FUSE SIZE.
2	PANEL L3A	200 A	125 A	3	9228 VA	8164 VA	7725 VA	
3	PANEL L1	200 A	200 A	1	0 VA			FIELD VERIFY FUSE SIZE IN EXISTING PANEL PRIOR TO ORDERING BREAKER. BERAKER SIZE IS TO MATCH EXISTING FUSE SIZE.
4	PANEL L2A	200 A	200 A	1	0 VA			FIELD VERIFY FUSE SIZE IN EXISTING PANEL PRIOR TO ORDERING BREAKER. BERAKER SIZE IS TO MATCH EXISTING FUSE SIZE.
5	PANEL L2B	200 A	200 A	1	0 VA			FIELD VERIFY FUSE SIZE IN EXISTING PANEL PRIOR TO ORDERING BREAKER. BERAKER SIZE IS TO MATCH EXISTING FUSE SIZE.
6	CHILLER	400 A	400 A	1	0 VA			--
7	Spare	100 A	100 A	1	0 VA			--
8	Spare	200 A	200 A	1	0 VA			--
9	SPD	60 A	60 A	1	0 VA			--
10								
			Connected Load:		9228 VA	8164 VA	7725 VA	
			Connected Amps:		77 A	69 A	64 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1014 VA	100.00%	1014 VA		
Receptacle	20220 VA	74.73%	15110 VA	Total Conn. Load:	25117 VA
HVAC	0 VA	0.00%	0 VA	Total Est. Demand:	20006 VA
Motor	0 VA	0.00%	0 VA	Total Conn. Current:	70 A
Other	3804 VA	100.00%	3804 VA	Total Est. Demand Current:	56 A
Kitchen	0 VA	0.00%	0 VA		

Notes:

PANEL SCHEDULE

Panel Name: L3A

Amp Rating: 225 A
Mains: MLO
MCB Rating: N/A
Volts/Phase/Wire 120/208 Wye / 3 / 4

Manufacturer: SQUARE D
Panel Type: NQ
Mounting: Surface
Remarks: CU BUS, FEED THRU LUGS

Fault Rating: SERIES
Fed From: MDP
Location: ELECTRICAL 103

Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF Wires	Poles	TRIP	CKT	A		B		C		CKT	TRIP	Poles	# OF Wires	GRD. SIZE	WIRE SIZE	COND. SIZE	Circuit Description
L - SW BUILDING	¾	12	12	3	1	20	1	759	720					2	20	1	3	12	12	¾	R - CENTRAL SECETARIAL
L- SE BUILDING	¾	12	12	3	1	20	3			1614	540			4	20	1	3	12	12	¾	R - CENTRAL SECETARIAL
L - NE BUILDING	¾	12	12	3	1	20	5					953	180	6	20	1	3	12	12	¾	R - HEAT TAPE BREAK ROOM
R - ESL DIRECTOR	¾	12	12	3	1	20	7	720	600					8	20	1	3	12	12	¾	R - IGE MAKER BREAK ROOM
R - VAULT/BREAK ROOM	¾	12	12	3	1	20	9			900	180			10	20	1	3	12	12	¾	R - BREAK ROOM
R - COPY	¾	12	12	3	1	20	11					720	180	12	20	1	3	12	12	¾	R - BREAK ROOM
R - REFRIGERATOR BREAK ROOM	¾	12	12	3	1	20	13	1200	180					14	20	1	3	12	12	¾	R - REFRIGERATOR BREAK ROOM
R - MICROWAVE BREAK ROOM	¾	12	12	3	1	20	15			1200	180			16	20	1	3	12	12	¾	R - BREAK ROOM
R - MICROWAVE BREAK ROOM	¾	12	12	3	1	20	17					1200	180	18	20	1	3	12	12	¾	R - BREAK ROOM
R - BREAK ROOM	¾	12	12	3	1	20	19	1200	180					20	20	1	3	12	12	¾	R - BREAK ROOM
VAV BOXES - S INTERIOR	¾	10	10	3	1	30	21			250	180			22	20	1	3	12	12	¾	R - COPIER
R - COPIER	¾	12	12	3	1	20	23					180	1081	24	20	1	3	12	12	¾	L - NE BUILDING
Spare	--	--	--	--	1	20	25	0	0					26	20	1	--	--	--	--	Spare
Spare	--	--	--	--	1	20	27			0	0			28	20	1	--	--	--	--	Spare
Spare	--	--	--	--	1	20	29					0	0	30	20	1	--	--	--	--	Spare
							Total Load:	9228 VA		8164 VA		7725 VA									
							Total Amps:	77 A		69 A		64 A									

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1014 VA	100.00%	1014 VA		
Receptacle	20220 VA	74.73%	15110 VA	Total Conn. Load:	25117 VA
HVAC	0 VA	0.00%	0 VA	Total Est. Demand:	20006 VA
Motor	0 VA	0.00%	0 VA	Total Conn. Current:	70 A
Other	3804 VA	100.00%	3804 VA	Total Est. Demand Current:	56 A
Kitchen	0 VA	0.00%	0 VA		

Notes:

PANEL SCHEDULE

Panel Name: L3B

Amp Rating: 225 A
Mains: MLO
MCB Rating: N/A
Volts/Phase/Wire 120/208 Wye / 3 / 4

Manufacturer: SQUARE D
Panel Type: NQ
Mounting: Surface
Remarks: CU BUS

Fault Rating: SERIES
Fed From: L3A
Location: ELECTRICAL 103

Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF Wires	Poles	TRIP	CKT	A		B		C		CKT	TRIP	Poles	# OF Wires	GRD. SIZE	WIRE SIZE	COND. SIZE	Circuit Description
R - SW OFFICES	¾	12	12	3	1	20	1	900	900					2	20	1	3	12	12	¾	R - WOMENS TOILET
R - SW OFFICES	¾	12	12	3	1	20	3			900	600			4	20	1	3	12	12	¾	*R - WATER COOLER HALLWAY
R - NW OFFICES	¾	12	12	3	1	20	5					900	720	6	20	1	3	12	12	¾	R - FRONT DESK/LOBBY
R - N CONFERENCE ROOM	¾	12	12	3	1	20	7	900	720					8	20	1	3	12	12	¾	R - FRONT DESK/HALLWAY
R - MENS TOILET	¾	12	12	3	1	20	9			900	720			10	20	1	3	12	12	¾	R - CENTRAL SECRETARIAL
R - ELECTRICAL/HALLWAY	¾	12	12	3	1	20	11					720	720	12	20	1	3	12	12	¾	R - CENTRAL OFFICE
VAV BOXES - N INTERIOR	¾	10	10	3	1	30	13	250	0					14	20	2	--	--	--	--	Spare
Spare	--	--	--	--	2	20	15			0	0			16	--	--	--	--	--	--	--
--	--	--	--	--	--	--	17					0	0	18	20	1	--	--	--	--	Spare
Spare	--	--	--	--	1	20	19	0	0					20	20	1	--	--	--	--	Spare
Spare	--	--	--	--	1	20	21			0	0			22	20	1	--	--	--	--	Spare
Spare	--	--	--	--	1	20	23					0	0	24	20	1	--	--	--	--	Spare
Spare	--	--	--	--	1	20	25	0	0					26	20	1	--	--	--	--	Spare
Spare	--	--	--	--	1	20	27			0	0			28	20	1	--	--	--	--	Spare
Spare	--	--	--	--	1	20	29					0	0	30	20	1	--	--	--	--	Spare
							Total Load:	3670 VA		3120 VA		3060 VA									
							Total Amps:	31 A		26 A		26 A									

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0 VA	0.00%	0 VA		
Receptacle	9600 VA	100.00%	9600 VA	Total Conn. Load:	9850 VA
HVAC	0 VA	0.00%	0 VA	Total Est. Demand:	9850 VA
Motor	0 VA	0.00%	0 VA	Total Conn. Current:	27 A
Other	250 VA	100.00%	250 VA	Total Est. Demand Current:	27 A
Kitchen	0 VA	0.00%	0 VA		

Notes:
*CIRCUIT REQUIRES GFCI BREAKER

PANEL SCHEDULE

Panel Name: P

Amp Rating: 225 A
Mains: MLO
MCB Rating: N/A
Volts/Phase/Wire 120/208 Wye / 3 / 4

Manufacturer: SQUARE D
Panel Type: NQ
Mounting: Surface
Remarks: CU BUS

Fault Rating: SERIES
Fed From: MDP
Location: B01A

Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF Wires	Poles	TRIP	CKT	A		B		C		CKT	TRIP	Poles	# OF Wires	GRD. SIZE	WIRE SIZE	COND. SIZE	Circuit Description
AHU1	--	--	--	--	3	100	1	0	0					2	100	3	--	--	--	--	CHWP1
--	--	--	--	--	--	--	3			0	0			4	--	--	--	--	--	--	--
--	--	--	--	--	--	--	5					0	0	6	--	--	--	--	--	--	--
AHU2	--	--	--	--	3	30	7	0	0					8	30	3	--	--	--	--	CHWP2
--	--	--	--	--	--	--	9			0	0			10	--	--	--	--	--	--	--
--	--	--	--	--	--	--	11					0	0	12	--	--	--	--	--	--	--
HWP2	--	--	--	--	3	60	13	0	0					14	60	3	--	--	--	--	HWP1
--	--	--	--	--	--	--	15			0	0			16	--	--	--	--	--	--	--
--	--	--	--	--	--	--	17					0	0	18	--	--	--	--	--	--	--
FAN6	--	--	--	3	30		19	0	0					20	30	3	--	--	--	--	FAN7
--	--	--	--	--	--	--	21			0	0			22	--	--	--	--	--	--	--
--	--	--	--	--	--	--	23					0	0	24	--	--	--	--	--	--	--
SUMP PUMP	--	--	--	3	30		25	0	0					26	30	3	--	--	--	--	AIR COMPRESSOR
--	--	--	--	--	--	--	27			0	0			28	--	--	--	--	--	--	--
--	--	--	--	--	--	--	29					0	0	30	--	--	--	--	--	--	--
SEWAGE MOTOR	--	--	--	3	30		31	0	0					32	30	3	--	--	--	--	COMPUTER AC
--	--	--	--	--	--	--	33			0	0			34	--	--	--	--	--	--	--
--	--	--	--	--	--	--	35					0	0	36	--	--	--	--	--	--	--
Spare	--	--	--	3	20		37	0	0					38	20	3	--	--	--	--	Spare
--	--	--	--	--	--	--	39			0	0			40	--	--	--	--	--	--	--
--	--	--	--	--	--	--	41					0	0	42	--	--	--	--	--	--	--
							Total Load:	0 VA		0 VA		0 VA									
							Total Amps:	0 A		0 A		0 A									

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0 VA	0.00%	0 VA		
Receptacle	0 VA	0.00%	0 VA	Total Conn. Load:	0 VA
HVAC	0 VA	0.00%	0 VA	Total Est. Demand:	0 VA
Motor	0 VA	0.00%	0 VA	Total Conn. Current:	0 A
Other	0 VA	0.00%	0 VA	Total Est. Demand Current:	0 A
Kitchen	0 VA	0.00%	0 VA		

Notes:
FIELD VERIFY FUSE SIZE OF ALL EXISTING CIRCUIT IN EXISTING PANEL PRIOR TO ORDERING BREAKER. BREAKER SIZE IS TO MATCH EXISTING FUSE SIZE.

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 18929
MICHAEL T. RAPPOLD
11-25-2025

Hight Jackson ASSOCIATES
5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4965 | www.hjarch.com

A RESTORATION FOR
RPS Administration Building
500 W Walnut St, Rogers AR 72756

DRAWN BY: AS
CHECK BY: MR
ISSUE DATE: 11/25/2025
PROJECT NO.: 2534
REVISION DATES: 12/17/2025

HSAEngineering
479 / 452 / 8922 office
7405 Ellis St.
Fort Smith, AR 72916
HSAConsultants.com

HSA JOB # 25-155

ELECTRICAL SCHEDULES

SHEET
E4.1