

NWA PEDIATRICS ADDITION

3730 S PINNACLE HILLS PKWY #3

ROGERS, AR 72758



LIFE SAFETY PLAN
SCALE = 1/8" = 1'-0"

CODE AND PROJECT DEVELOPMENT DATA

BUILDING CODE: 2021 ARKANSAS FIRE PREVENTION CODE, VOL. I (2021 IFC WITH AMENDMENTS), 2021 ARKANSAS FIRE PREVENTION CODE, VOL. II (2021 IBC WITH AMENDMENTS), 2021 ARKANSAS RESIDENTIAL CODE, VOL. III (2021 IBC WITH AMENDMENTS), 2012 INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2012 INTERNATIONAL PROPERTY MAINTENANCE CODE, 2020 NATIONAL ELECTRICAL CODE, 2018 ARKANSAS PLUMBING CODE, 2018 ARKANSAS STATE FUEL & GAS CODE, 2021 ARKANSAS MECHANICAL CODE, 2014 ARKANSAS ENERGY CODE, 2009 ANSI A-117.1, 2021 EXISTING BUILDING CODE, 2021 INTERNATIONAL PROPERTY MAINTENANCE CODE, LIFE SAFETY CODES (LSC) - AS REFERENCED BY IBC, MOST CURRENT NFPA STANDARD(S) (IF APPLICABLE)

OCCUPANCY: (Chapter 3 Use and Occupancy) B-BUSINESS

TYPE CONSTRUCTION: (Table 601) II-b - SPRINKLERED
STRUCTURAL FRAME: NONCOMBUSTIBLE- 0 HR
INTERIOR BEARING WALLS: NONCOMBUSTIBLE- 0 HR
EXTERIOR NON-BEARING WALLS: NONCOMBUSTIBLE- 0 HR
INTERIOR NON-BEARING WALLS: NONCOMBUSTIBLE- 0 HR
ROOF/CEILING: NONCOMBUSTIBLE- 0 HR

FIRE SEPARATION DISTANCES:
NORTH: >30'
EAST: >30'
SOUTH: >30'
WEST: >30'

ALLOWABLE HEIGHT & BUILDING AREA:
ALLOWABLE BUILDING HEIGHT (Table 504.3) = 75 ft
ALLOWABLE # FLOORS (Table 504.4) = 4 FLOORS
ALLOWABLE SF FLOOR (Table 506.2) = 69,000 sf
AREA INCREASE DUE TO FRONTAGE (506.3.3) = 51,750 sf
TOTAL ALLOWABLE BUILDING AREA = 120,750 sf

ENCLOSED AREA: 14,220 sf EXISTING, 4,408 sf ADDITION, 18,628 sf TOTAL

TOTAL OCCUPANTS: (Table 1004.5) B-BUSINESS, 150 GROSS = 4,527 sf / 150 sf = 31 PEOPLE

MEANS OF EGRESS SIZING: (1005)
(1005.3.1) STAIRWAYS #PEOPLE x .3" = N/A
(1005.3.2) PEOPLE x .2" / PERSON = 6.1" REQUIRED
2 DOORS x 32" = 64" PROVIDED

TRAVEL DISTANCE ALLOWED: (Table 1017.2) B-BUSINESS, SPRINKLERED = 300'

REQUIRED PLUMBING FIXTURES: (Table 2902.1)
WATER CLOSETS: 1 per 25 up to 50, then 1 per 50 = 2 WC (3 Provided)
LAVATORIES: 1 per 40 up to 80 then 1 per 80 = 1 Lav (3 Provided)
DRINKING FOUNTAINS: 1 PER 100 = 1 DF (1 Bottle Filler Provided)
SERVICE SINK PROVIDED IN EXISTING BUILDING

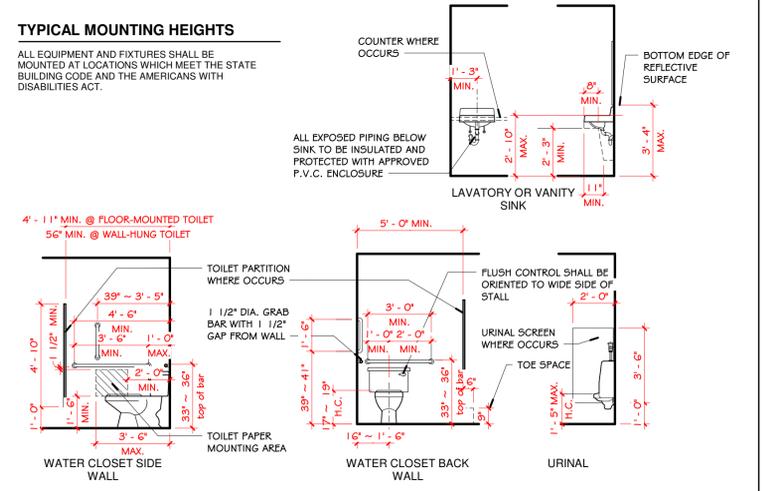
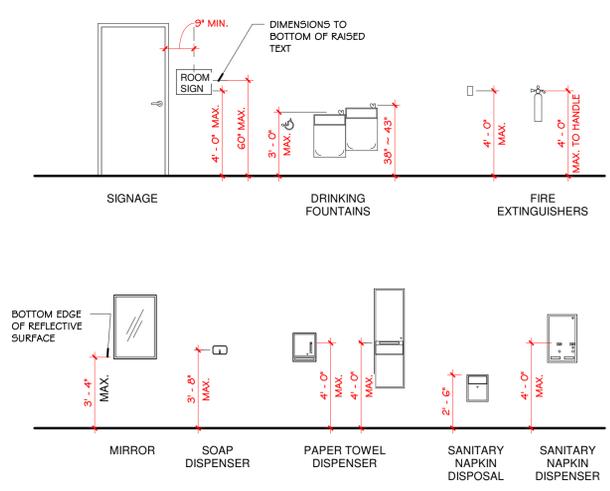
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IT IS EXPRESSLY UNDERSTOOD THAT THE ARCHITECT SHALL NOT PERFORM CONSTRUCTION ADMINISTRATION SERVICES, UNLESS SPECIFICALLY REQUESTED BY THE CLIENT AS ADDITIONAL SERVICES. ACCORDINGLY, THE ARCHITECT SHALL NOT BE LIABLE TO THE CLIENT, TO THE OWNER OR TO ANY PARTY WORKING FOR OR THROUGH THE CLIENT OR THE OWNER, FOR ERRORS OR OMISSIONS IN THE CONSTRUCTION DOCUMENTS, WHICH ARE, OR WHICH UPON THE EXERCISE OF REASONABLE CARE SHOULD HAVE BEEN DISCOVERED DURING THE CONSTRUCTION OF WORK. LIKEWISE, THE ARCHITECT SHALL NOT BE LIABLE TO THE CLIENT, TO THE OWNER OR TO ANY PARTY WORKING FOR OR THROUGH THE CLIENT OR THE OWNER, FOR ANY CHANGES IN DESIGN OR CONSTRUCTION MADE DURING CONSTRUCTION WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT. THE CLIENT AND/OR THE OWNER SHALL HOLD HARMLESS, INDEMNIFY AND DEFEND THE ARCHITECT FROM AND AGAINST ANY AND ALL CLAIMS OR CAUSES OF ACTION FOR COST OR DAMAGES WHICH ARE DISCOVERED OR UPON THE EXERCISE OF REASONABLE CARE SHOULD HAVE BEEN DISCOVERED BY THE OWNER OR CONTRACTOR, AND WHICH ARE NOT BROUGHT TO THE ARCHITECT'S ATTENTION FOR REVIEW AND ACTION BEFORE FURTHER WORK IS PERFORMED; b) ARISE FROM CHANGES IN CONSTRUCTION AND/OR DESIGN NOT APPROVED IN WRITING BY THE ARCHITECT; AND/OR c) FOR ERRORS OR OMISSIONS OF THE CONTRACTOR OR OF OTHER CONSULTANTS TO THE CLIENT AND/OR OWNER.

I HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY ME, OR UNDER MY SUPERVISION. I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE PLANS AND SPECIFICATIONS ARE AS REQUIRED BY LAW AND IN COMPLIANCE WITH THE ARKANSAS FIRE PREVENTION CODE FOR THE STATE OF ARKANSAS, WITH THE REQUIREMENTS OF THE MUNICIPAL AUTHORITY AND ALL FEDERAL REGULATIONS.

BY: DATE: 02/23/26

As indicated 2/24/2026 11:33:19 AM S:\2438 MANA - Pinnacle Pediatrics Addition\mana_peds_Pinnacle Hills.rvt



PROJECT TEAM DATA

ARCHITECT: KEY ARCHITECTURE INC. P.O. BOX 748 FAYETTEVILLE, ARKANSAS 72702
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CONSULTANTS STRUCTURAL: JLA ENGINEERS, INC. 213 W MONROE AVE. LOWELL, AR 72745
PH: (479) 770-6650

MECHANICAL: EMA ENGINEERING 2458 E JOYCE BLVD., #1 FAYETTEVILLE, AR 72703
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CIVIL: BATES & ASSOCIATES 7230 S PLEASANT RIDGE DR. FAYETTEVILLE, AR 72704
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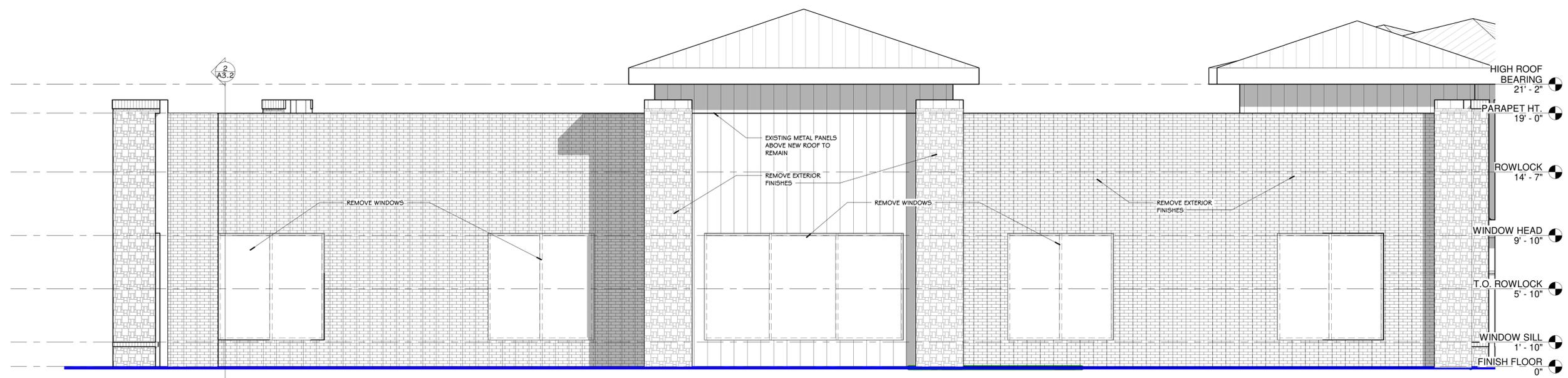
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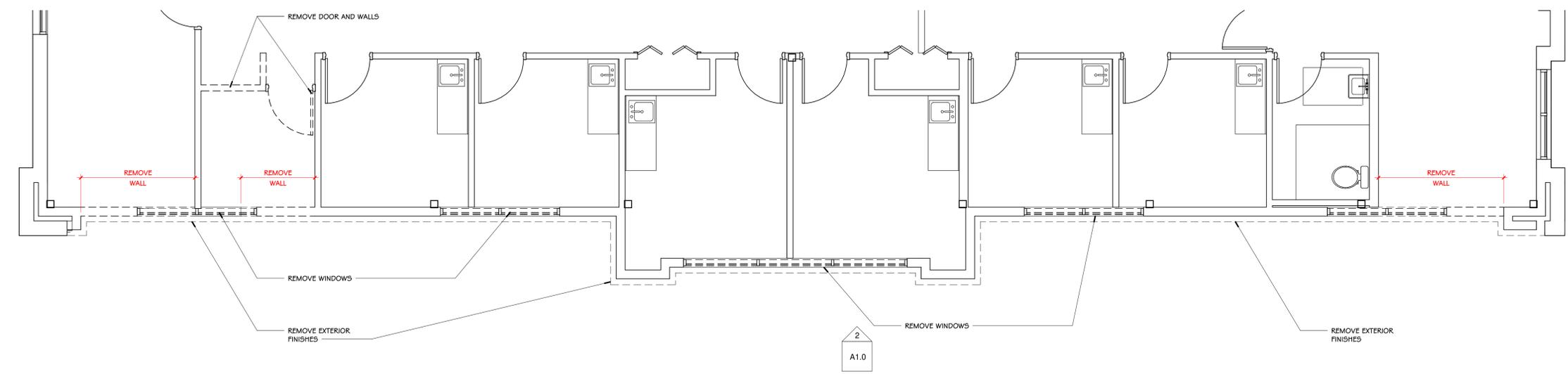
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COVER SHEET			

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- DEMO NOTES
1. THE PREMISES SHALL BE ACCEPTED AS FOUND AT THE TIME OF STARTING WORK. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK.
 2. EXTERIOR WALLS AND ROOFS OF THE EXISTING BUILDING SHALL BE PROTECTED TO PREVENT WATER PENETRATION INTO AND HEAT LOSS FROM AREAS WHERE DEMOLITION HAS OCCURRED.
 3. ALL DEMOLISHED MATERIALS NOT CITED FOR REUSE OR TO BE RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
 4. TEMPORARY SHORING, BRACING, FRAMING AND PROTECTION OF EXISTING WORK TO REMAIN SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL BE PROVIDED BEFORE PROCEEDING WITH DEMOLITION. DAMAGE AS A RESULT OF NOT PROVIDING ADEQUATE SHORING OR PROTECTION OF EXISTING OR FINISHED WORK WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REPAIR.
 5. WHEREVER PORTIONS OF EXISTING CONSTRUCTION ARE TO BE REMOVED, OR WHERE OPENINGS ARE TO BE MADE IN EXISTING WALLS, SLABS OR OTHER CONSTRUCTION, AND WHEREVER EXISTING LOAD IS TO BE TRANSFERRED TO NEW STRUCTURAL MEMBERS, THE EXISTING CONSTRUCTION SHALL BE ADEQUATELY SHORED WITH STEEL AND/OR HEAVY TIMBER IN ORDER TO RELIEVE OR TRANSFER THE EXISTING LOAD.
 6. REMOVE ALL WASTE, REFUSE AND DEBRIS ACCUMULATED FROM THE CONSTRUCTION AND DEMOLITION WORK FROM THE PREMISES. SPECIAL CARE SHOULD BE TAKEN TO REMOVE ALL NAILS AND FASTENERS FROM ROOFING DEMOLITION BY SAKING, MAGNETIC GATHERING OR HAND PICK-UP.
 7. UNLESS OTHERWISE SHOWN OR SPECIFIED, ALL NEW MATERIAL SHALL MATCH EXISTING IN ALL RESPECTS, ESPECIALLY AS TO COLOR, TEXTURE, HARDNESS, STRENGTH AND DESIGN.
 8. ALL EXISTING FINISHES AND SURFACES DAMAGED BY DEMOLITION AND CONSTRUCTION, INCLUDING DEMOLITION AND CONSTRUCTION DONE BY THE MECHANICAL AND ELECTRICAL CONTRACTOR SHALL BE PATCHED OR REPAIRED TO LIKE NEW CONDITIONS.
 9. REMOVE ALL EXISTING FLOOR FINISHES TO SLAB. PATCH AND REPAIR ANY DEFECTS IN EXISTING SLAB AND PREPARE FOR NEW FLOOR FINISH AS REQUIRED.
 10. REMOVE ALL WALL PAPER OR WALL COVERINGS ON EXISTING WALL TO REMAIN. PATCH OR REPAIR EXISTING GYP. BD. TO LIKE NEW CONDITION AND PREPARE FOR NEW PAINT.
 11. REMOVE ALL EXISTING SURFACE MOUNTED LIGHT FIXTURES. PATCH AND REPAIR EXISTING CEILING AS REQUIRED.



2 DEMO ELEVATION - SOUTH
SCALE = 1/4" = 1'-0"



1 DEMO PLAN
SCALE = 1/4" = 1'-0"



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SHEET
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DEMO PLAN

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1/4" = 1'-0" 2/24/2026 11:35:25 AM S:\2438 MANA - Pinnacle Pediatrics Addition\mana.peds Pinnacle Hills.rvt



1 FLOOR PLAN
SCALE = 1/4" = 1'-0"

REFER TO SHEET A5.1 FOR PARTITION SCHEDULE
REFER TO SHEET A1.2 FOR GENERAL NOTES.



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 FLOOR PLAN

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1 CEILING PLAN
SCALE = 1/4" = 1'-0"

- GENERAL CEILING NOTES**
- REFER TO THIS PLAN FOR LOCATION AND DESCRIPTION OF CEILING TYPES.
 - REFER TO FINISH SCHEDULE FOR ACOUSTICAL CEILING INFORMATION.
 - THE STARTING POINT FOR THE GRID IS EITHER NOTED OR DIMENSIONED. IF THE STARTING POINT IS NOT INDICATED, THEN THE GRID IS CENTERED WITHIN THE ROOM.
 - REFER TO ENGINEERED LIGHTING PLAN FOR TYPES OF LIGHTING FIXTURES.
 - REFER TO MECHANICAL PLAN FOR LOCATION OF MECHANICAL SUPPLY AND RETURN AIR GRILLS.
 - INSTALL NEW SPRINKLER HEADS, OR TURN DOWN HEADS, AT AREAS OF NEW CONSTRUCTION AS REQUIRED PER CODE AND OCCUPANCY TYPE.

- GENERAL NOTES**
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE MUNICIPALITY AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
 - ALL WORK AND ALL FINISHES, INCLUDING TYPE, COLOR AND LOCATION, SHALL BE COORDINATED WITH THE OWNER.
 - ALL DIMENSIONS ARE TO CENTERLINE OF COLUMNS, FACE OF BUILDING LINE OR STUD, TYPICAL UNLESS NOTED OTHERWISE (U.N.O.). WHEN NOTED AS EXISTING THE DIMENSIONS SHOWN ARE TO FACE OF EXISTING FINISH PRIOR TO START OF CONSTRUCTION.
 - VERIFY ALL DIMENSIONS, DOOR AND WINDOW SIZES AND LOCATIONS PRIOR TO LAYOUT WITH THE OWNER. COORDINATE ALL OWNER PROVIDED EQUIP.
 - ALL DOOR AND WINDOW DIMENSIONS ARE NOMINAL AND MUST BE COORDINATED WITH MANUFACTURERS. ROUGH OPENING DIMENSIONS ARE TO BE COORDINATED WITH DOOR AND WINDOW SHOP DRAWINGS.
 - VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK. CONTRACTOR TO NOTIFY ARCHITECT TO ANY DISCREPANCY WITH THE PLANS AND SPECIFICATIONS PRIOR TO BEGINNING WORK.
 - PROVIDE FIRE EXTINGUISHERS PER NFPA-10 AND COORDINATE WITH LOCAL BUILDING AND/OR FIRE OFFICIALS.
 - PROVIDE KNOX BOX ON EXTERIOR OF BUILDING. COORDINATE EXACT LOCATION WITH LOCAL BUILDING AND/OR FIRE OFFICIALS.
 - PROVIDE WOOD BLOCKING IN STUD WALLS FOR ANCHORAGE OF GRAB BARS, PAPER HOLDERS, VANITIES, WALL MOUNTED DOOR STOPS, SINKS, SHELVING, TELEVISIONS, AND ANY OWNER PROVIDED EQUIPMENT OR FURNISHINGS. COORDINATE WITH OWNER PRIOR TO COVER-UP.
 - PROVIDE BATT INSULATION AT ALL EXTERIOR WALLS AND SOUND ATTENUATION BLANKETS AT ALL NEW WALLS AT TOILET AREAS UNLESS NOTED OTHERWISE.
 - PROVIDE 1 1/2" RIGID INSULATION FULL HEIGHT AT PERIMETER OF BUILDING STEM WALLS & BASEMENT WALLS, AND FOR 2'-0" HORIZONTAL UNDER SLABS. INSULATION SHALL MEET ALL STATE AND LOCAL ENERGY CODES.
 - TOILET ROOM TO BE PROVIDED WITH FORCED AIR VENTILATION TO THE EXTERIOR.
 - PROVIDE ROOM SIGNAGE AT ALL DOORS AS REQUIRED BY THE INTERNATIONAL BUILDING CODE, ANSI A117.1, AND THE AMERICANS WITH DISABILITY ACT. COORDINATE WITH OWNER FOR NAMES, NUMBERS, STYLE AND TYPE OF SIGN. ALL SIGNAGE TO HAVE RAISED BRAILLE CHARACTERS AS REQUIRED.



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SHEET
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CEILING PLAN

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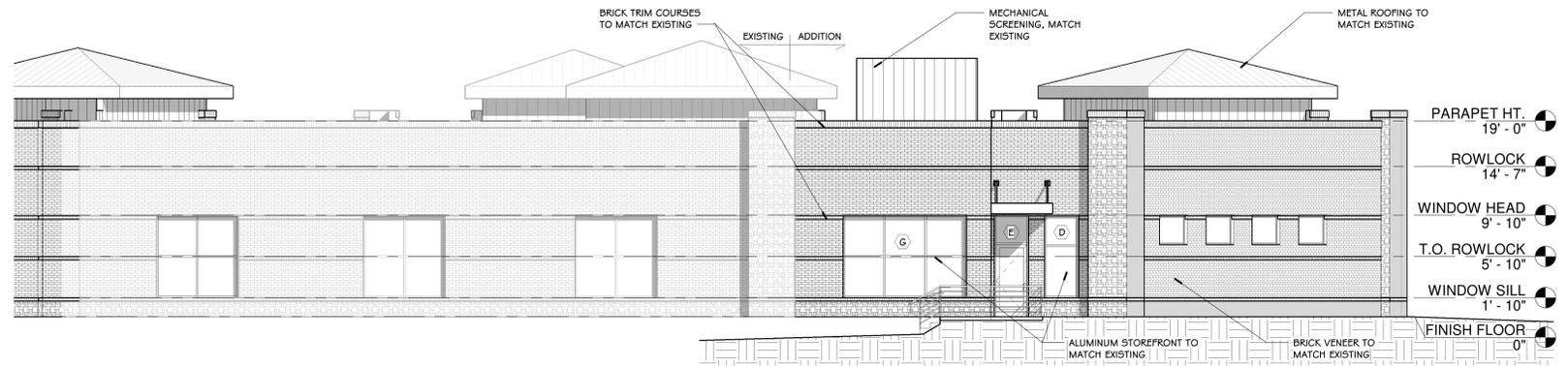
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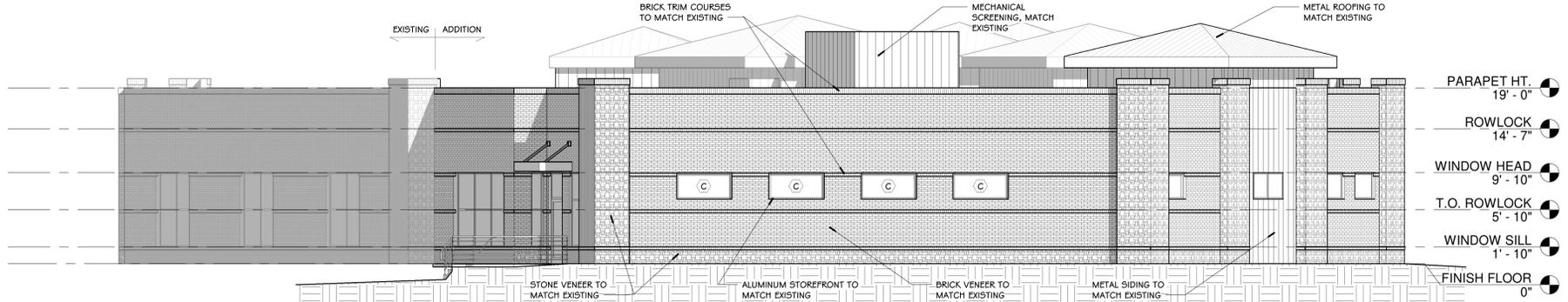
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SHEET
A2.1
 ELEVATIONS

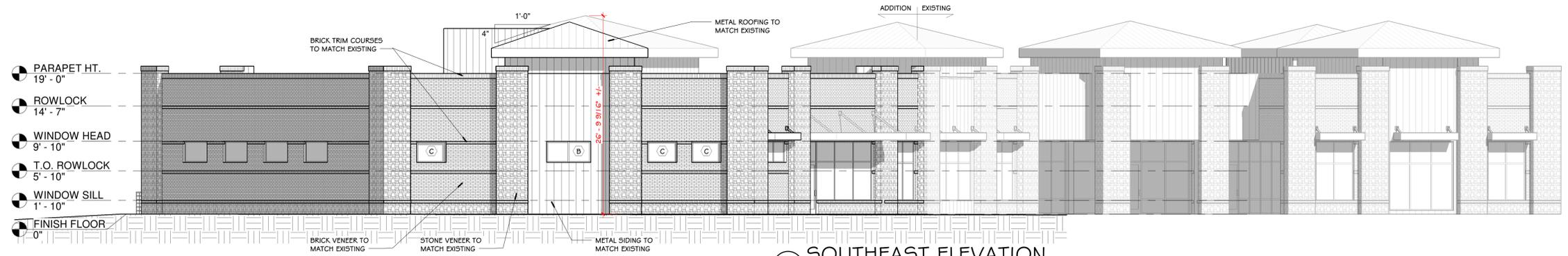
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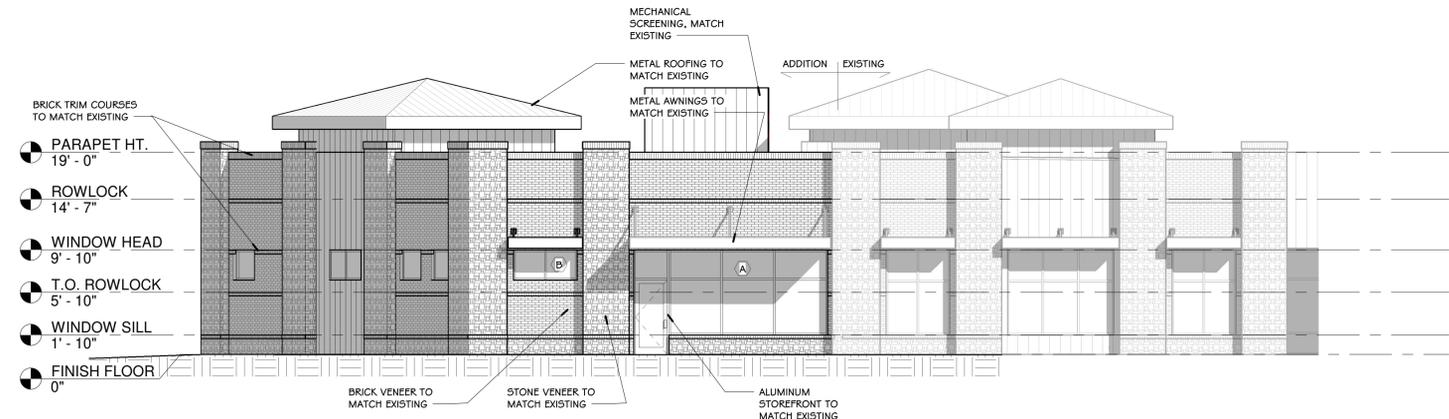
④ WEST ELEVATION
 SCALE = 1/8" = 1'-0"



③ SOUTH ELEVATION
 SCALE = 1/8" = 1'-0"

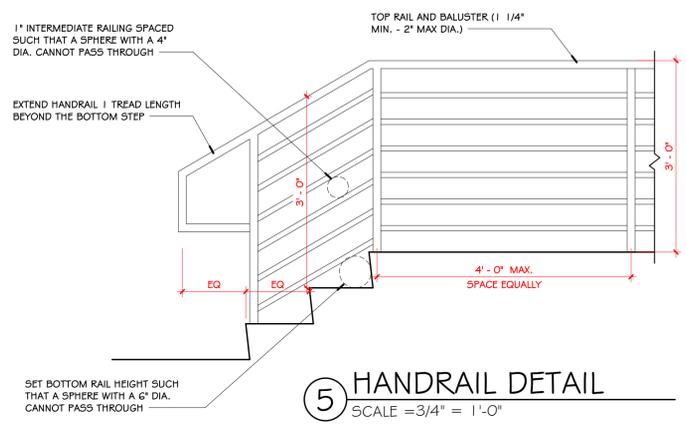


② SOUTHEAST ELEVATION
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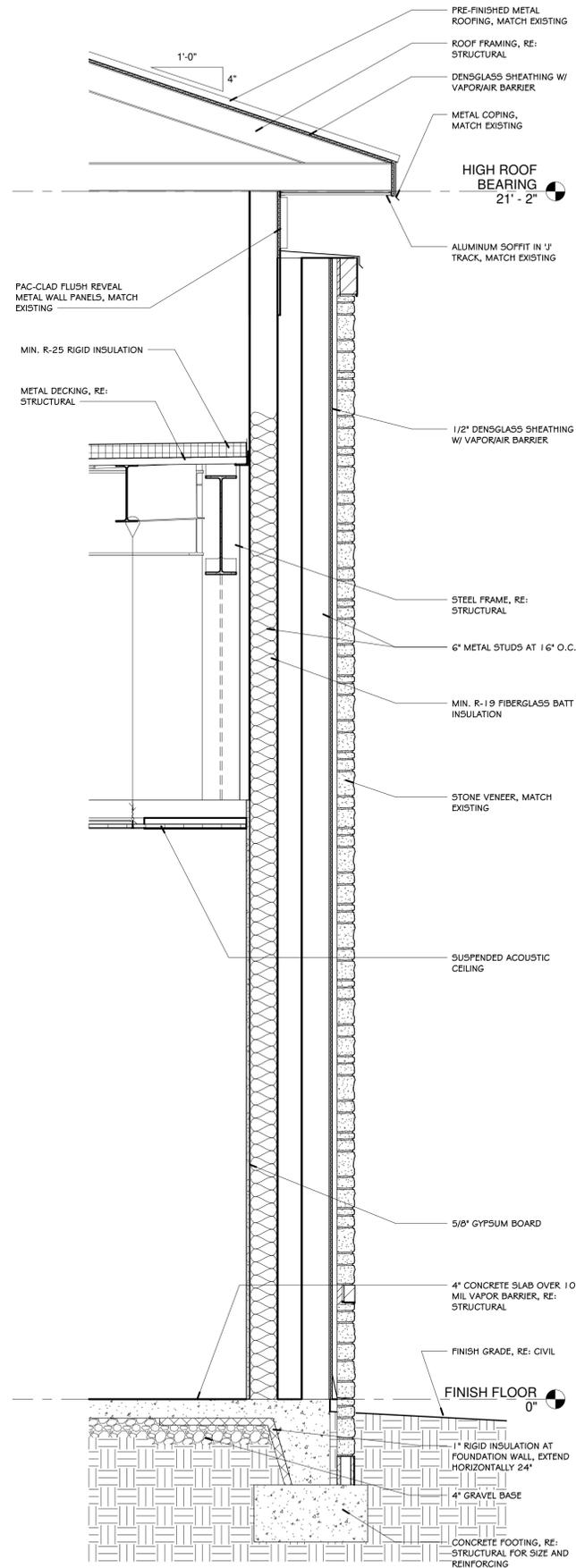
① EAST ELEVATION
 SCALE = 1/8" = 1'-0"

ELEVATION HEIGHTS CALLED OUT ARE ESTIMATES, ALL WINDOW HEAD HEIGHTS, BRICK COURSING HEIGHTS, AND PARAPET HEIGHTS ARE TO MATCH THE EXISTING BUILDING.

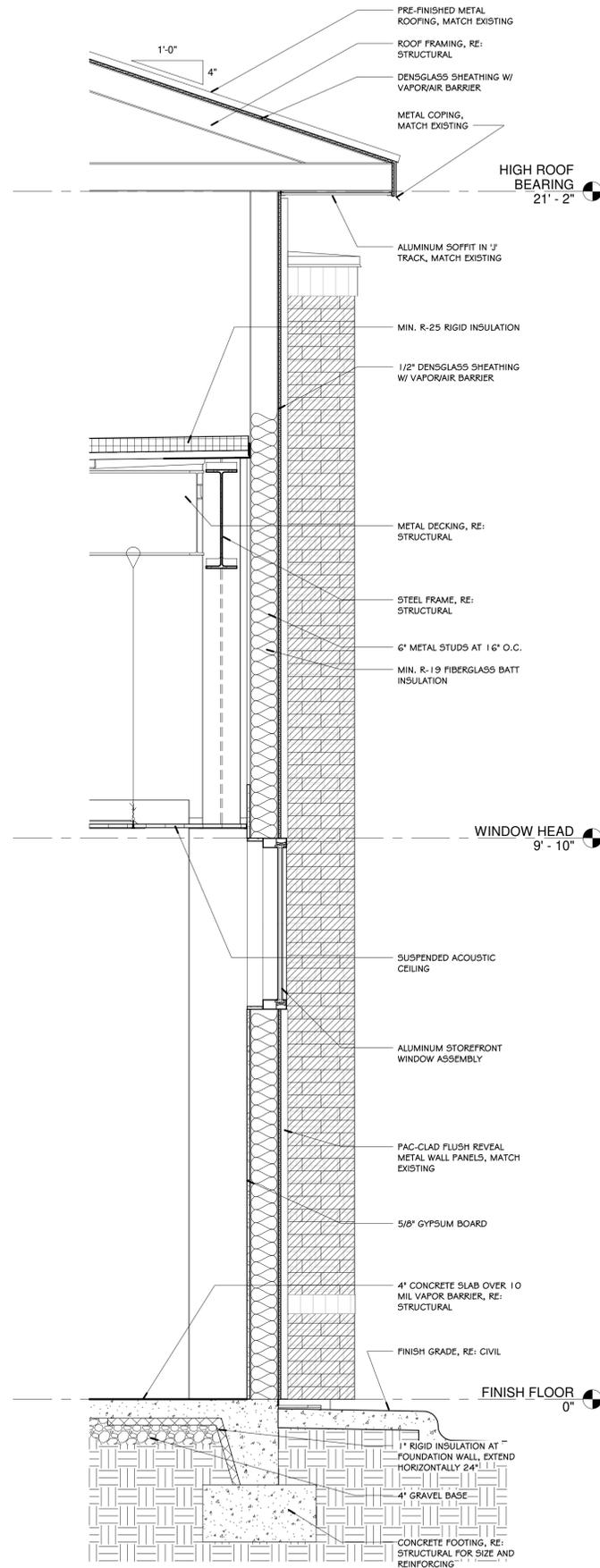


⑤ HANDRAIL DETAIL
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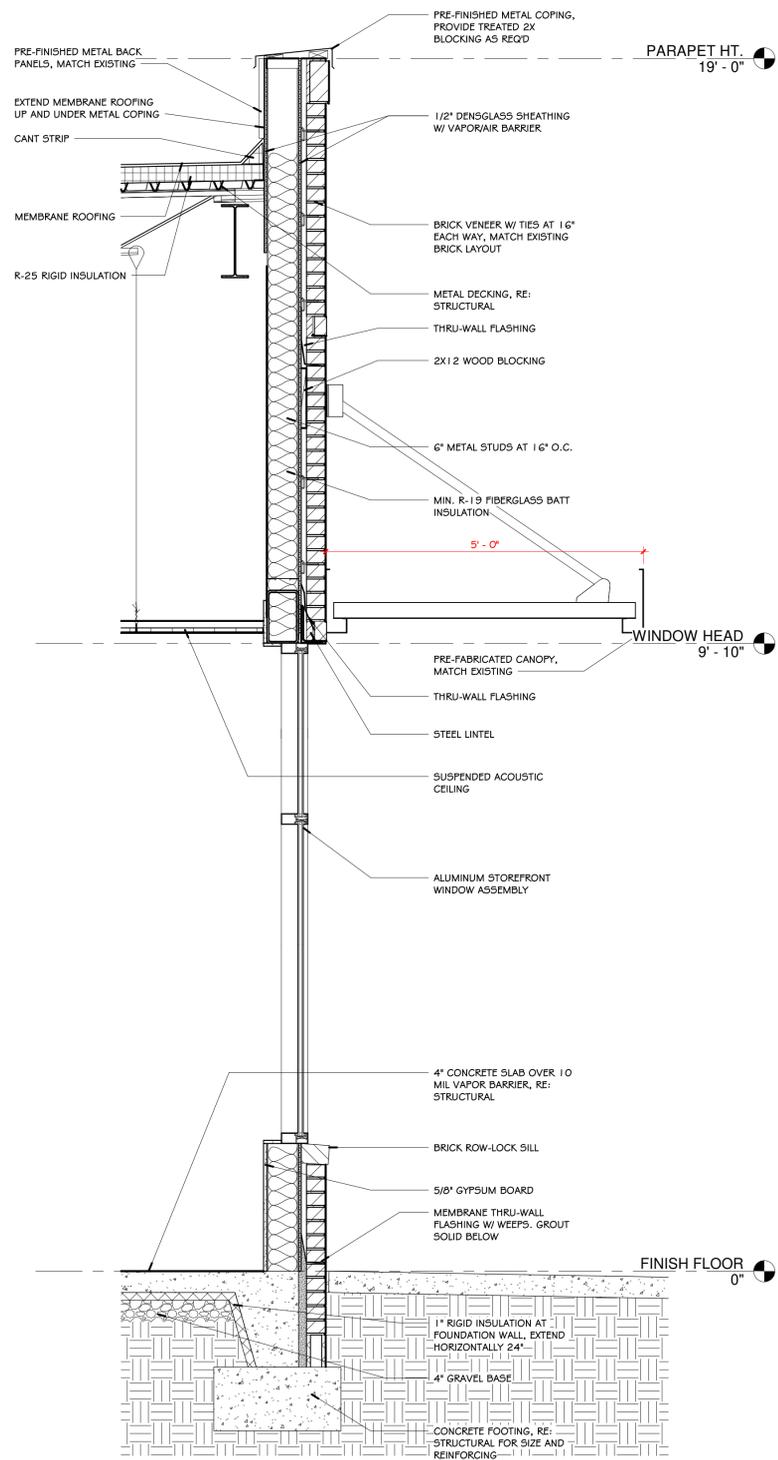
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③ PILASTER SECTION
 SCALE = 3/4" = 1'-0"



② SE WALL SECTION
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① SECTION AT EAST ENTRY
 SCALE = 3/4" = 1'-0"



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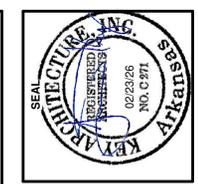
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SHEET
A3.1
 WALL SECTIONS

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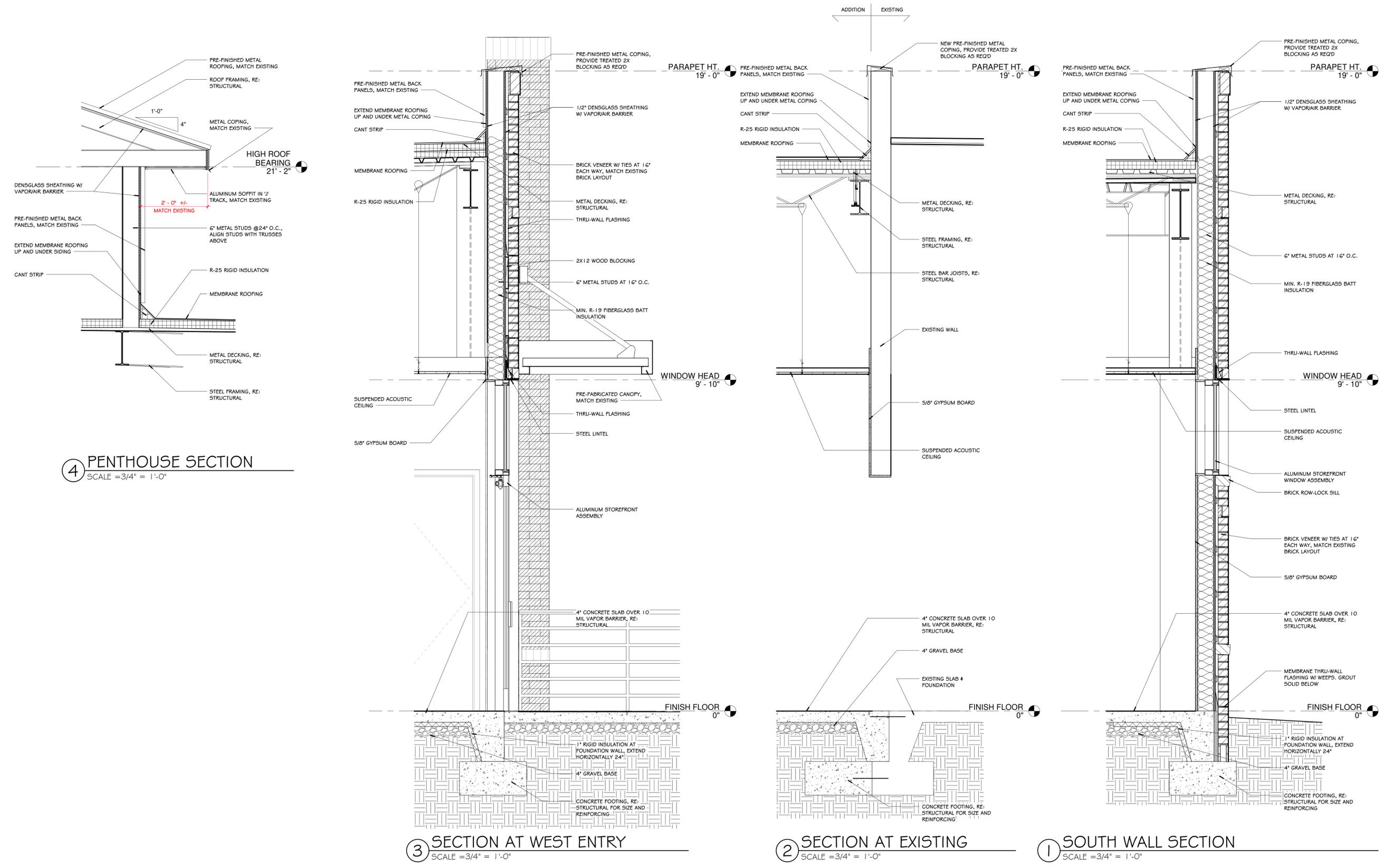
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SHEET
A3.2
 WALL SECTIONS

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3/4" = 1'-0"



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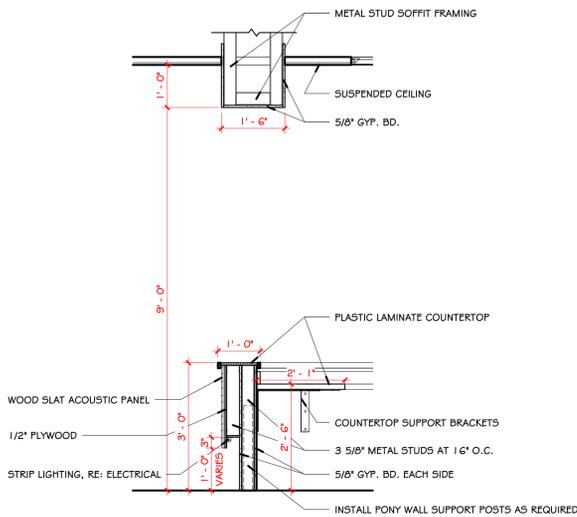
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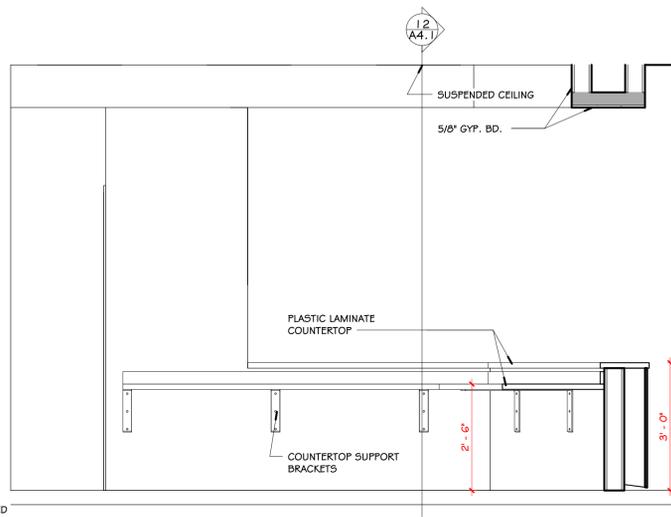
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SHEET
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 INTERIOR ELEVATIONS

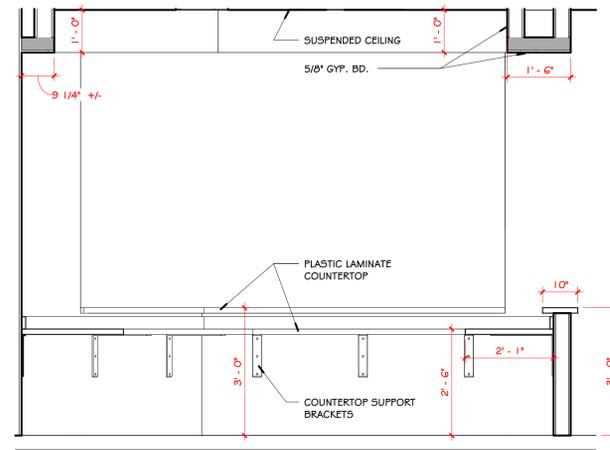
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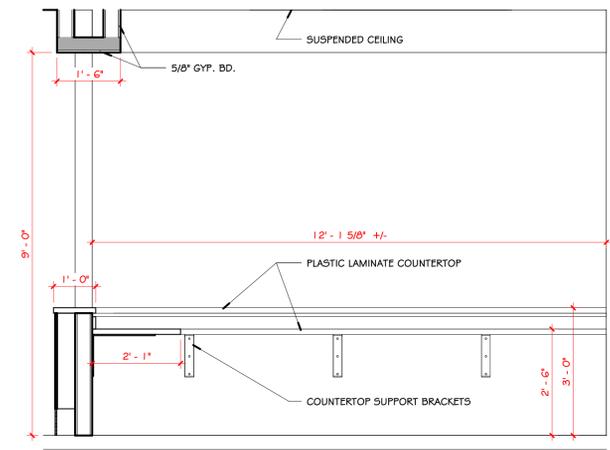
12 TYP. COUNTER SECTION
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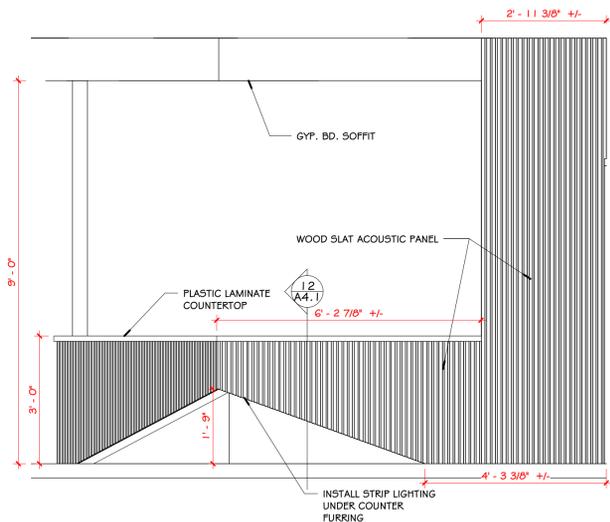
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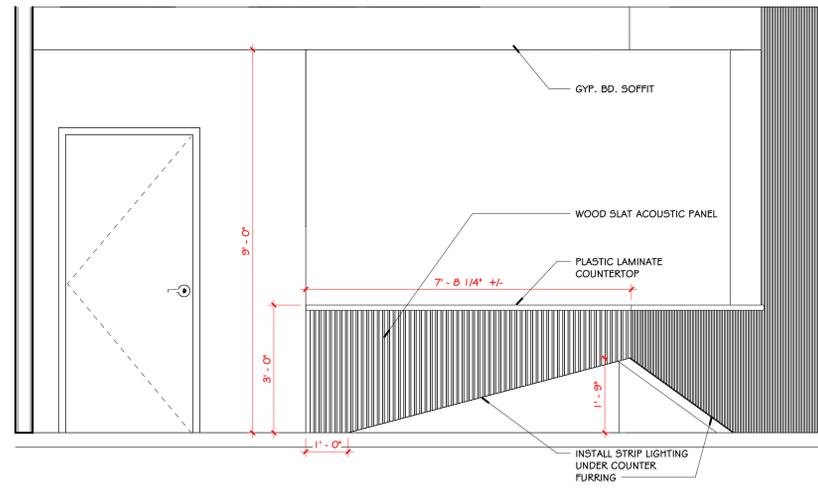
10 106 CHECK-IN/OUT 2
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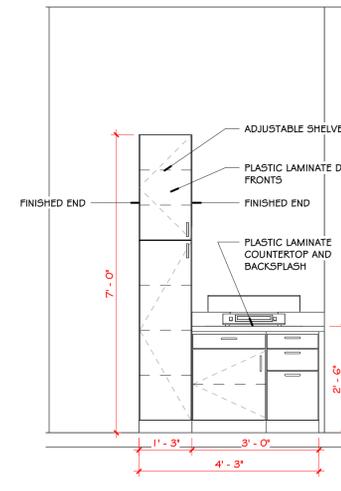
9 106 CHECK-IN/OUT 1
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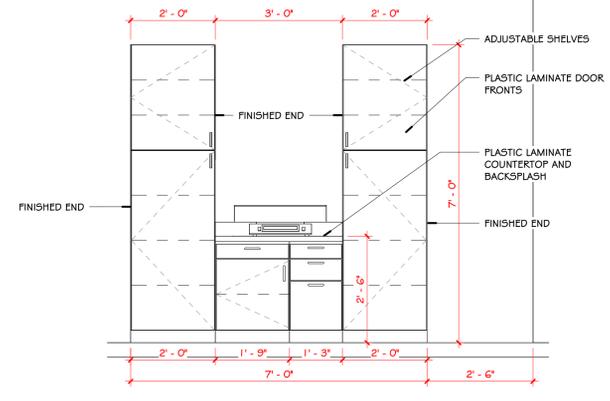
8 WAITING 2
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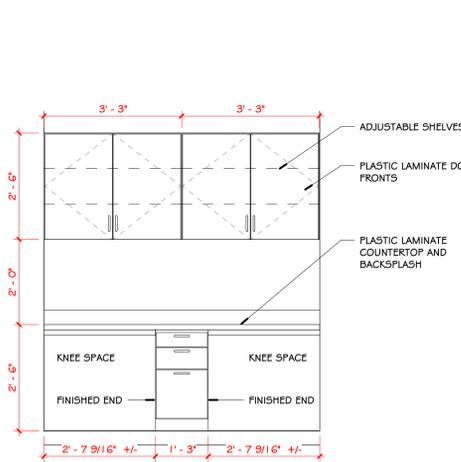
7 WAITING 1
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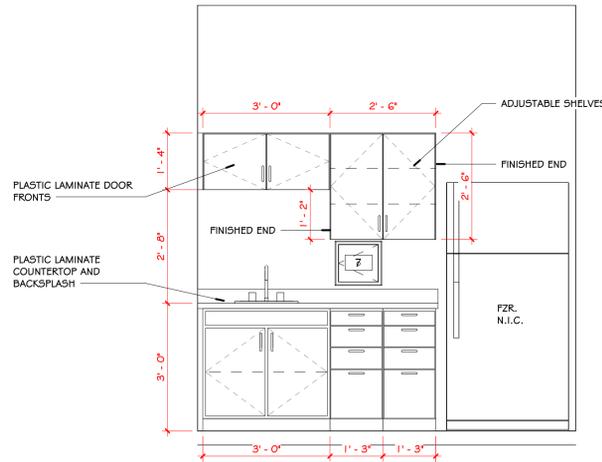
6 WEIGHT STATION 2
 SCALE = 1/2" = 1'-0"



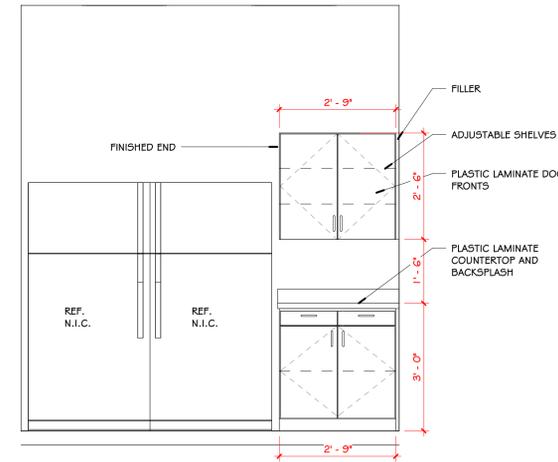
5 WEIGHT STATION 1
 SCALE = 1/2" = 1'-0"



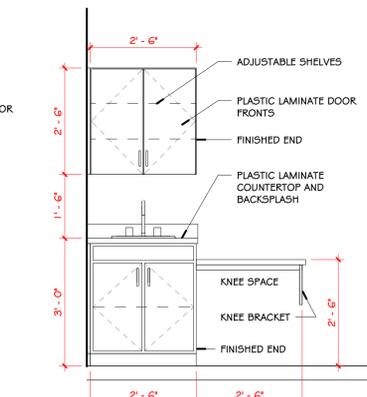
4 105 VISION/HEARING
 SCALE = 1/2" = 1'-0"



3 103 LAB WEST
 SCALE = 1/2" = 1'-0"



2 103 LAB EAST
 SCALE = 1/2" = 1'-0"



1 TYP. EXAM
 SCALE = 1/2" = 1'-0"

1/2" = 1'-0" 2/24/2026 11:35:52 AM S:\2438 MANA - Pinnacle Pediatrics Addition\mana_peds_Pinnacle Hills.rvt



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Revision Schedule	Description
Rev. #	Date

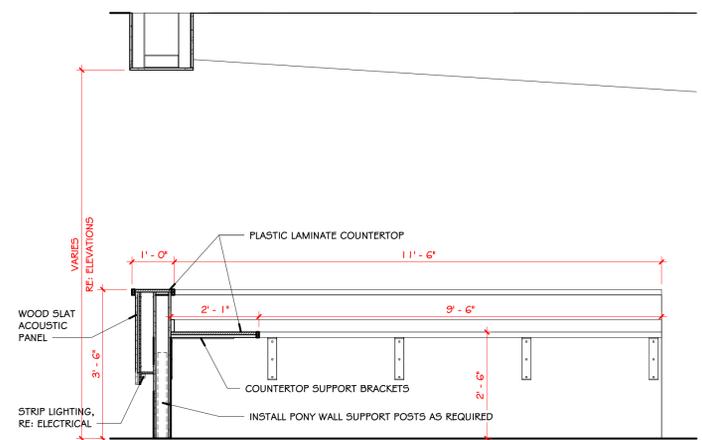
NWA PEDIATRICS ADDITION
 3730 S PINNACLE HILLS PKWY #3
 ROGERS, AR 72758

MANA
 3383 N MANA CT. SUITE 201
 FAYETTEVILLE, AR 72703

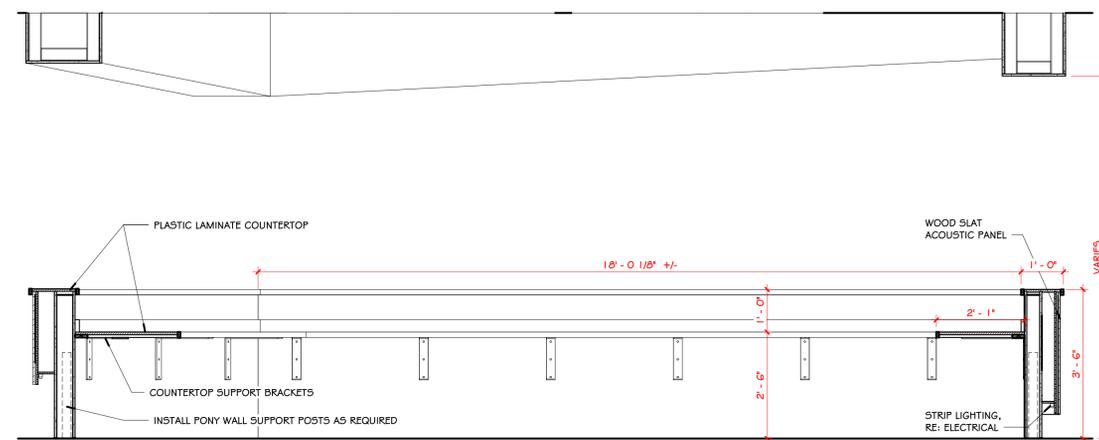
DATE	DRAWN BY
02/23/26	ELP
PROJECT #	CHECKED BY
2438	JTK

SHEET
A4.2
 INTERIOR ELEVATIONS

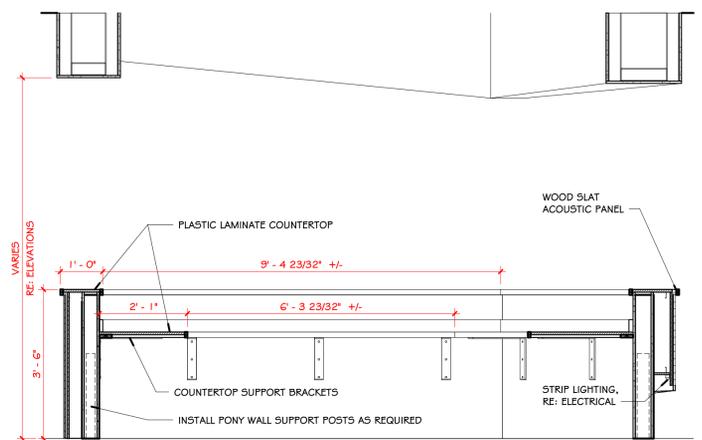
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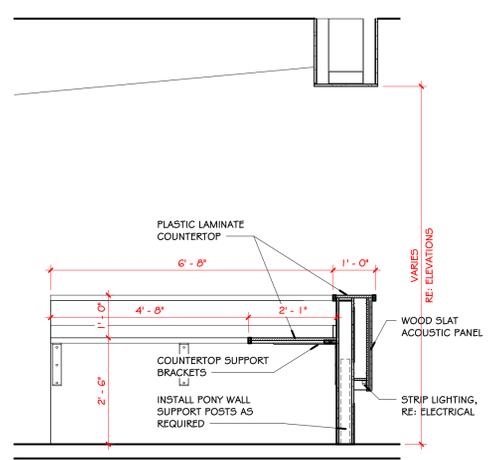
8 NURSE WEST INSIDE
 SCALE = 1/2" = 1'-0"



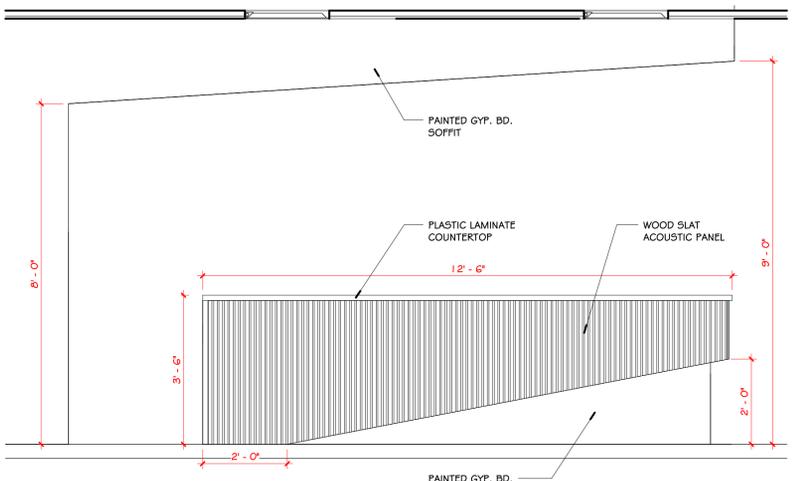
7 NURSE SOUTH INSIDE
 SCALE = 1/2" = 1'-0"



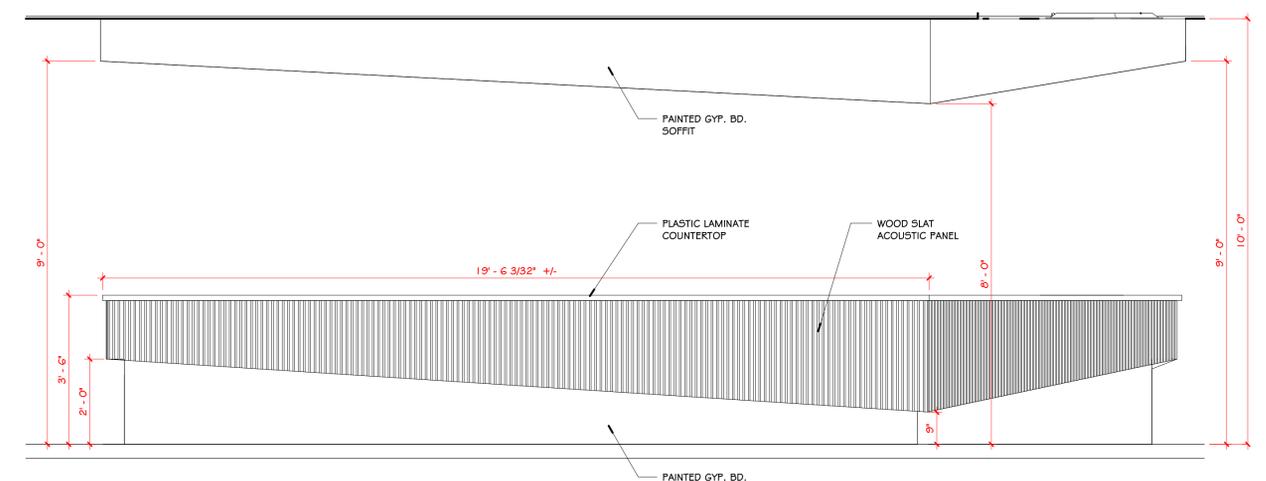
6 NURSE SOUTHEAST INSIDE
 SCALE = 1/2" = 1'-0"



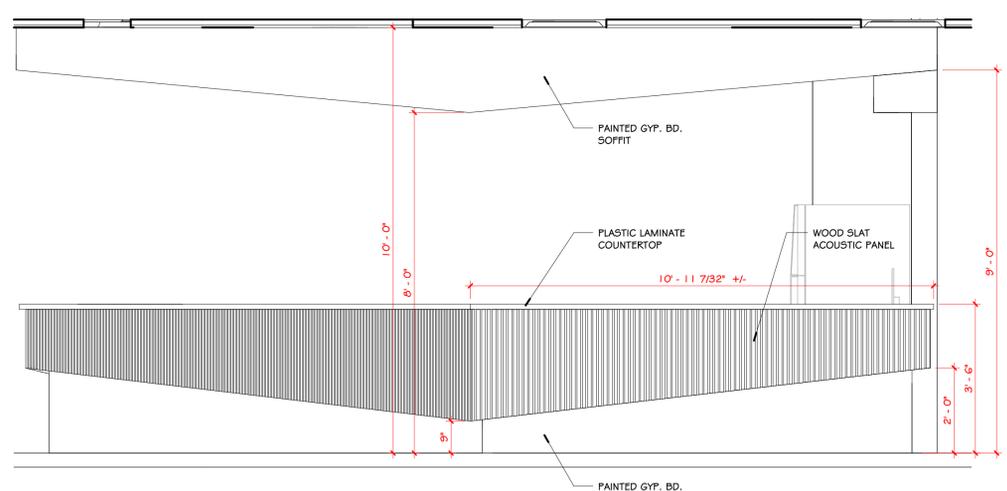
5 NURSE EAST INSIDE
 SCALE = 1/2" = 1'-0"



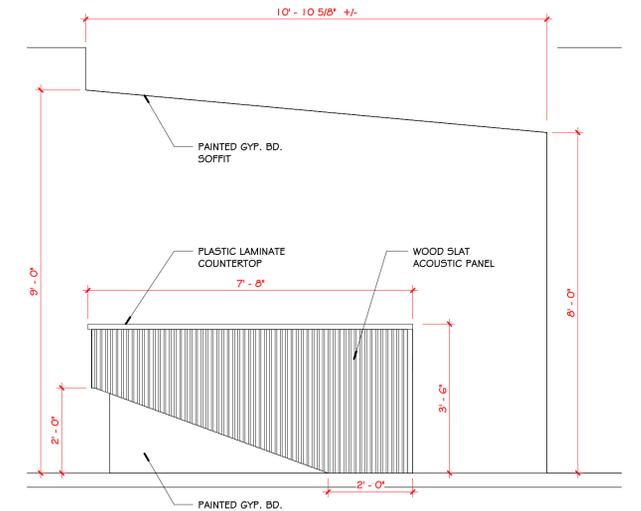
3 NURSE WEST OUTSIDE
 SCALE = 1/2" = 1'-0"



2 NURSE SOUTH OUTSIDE
 SCALE = 1/2" = 1'-0"



4 NURSE SOUTHEAST OUTSIDE
 SCALE = 1/2" = 1'-0"



1 NURSE EAST OUTSIDE
 SCALE = 1/2" = 1'-0"

1/2" = 1'-0" 2/24/2026 11:33:57 AM S:\2438 MANA - Pinnacle Pediatrics Addition\mana.peds Pinnacle Hills.rvt



PRELIMINARY
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 CONSTRUCTION

Revision Schedule	Description
Rev. #	Date

NWA PEDIATRICS ADDITION
 3730 S PINNACLE HILLS PKWY #3
 ROGERS, AR 72758
 MANA
 3383 N MANA CT, SUITE 201
 FAYETTEVILLE, AR 72703

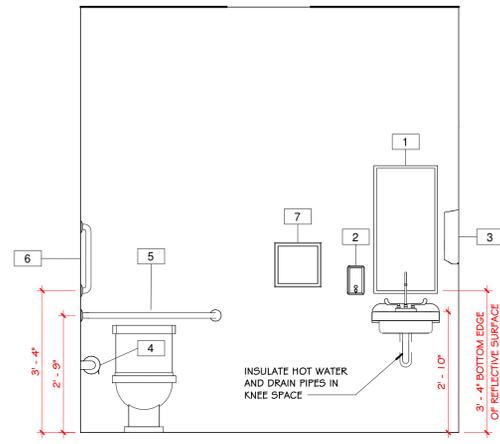
DATE	DRAWN BY
02/23/26	ELP
PROJECT #	CHECKED BY
2438	JTK

SHEET
A4.3
 INTERIOR ELEVATIONS

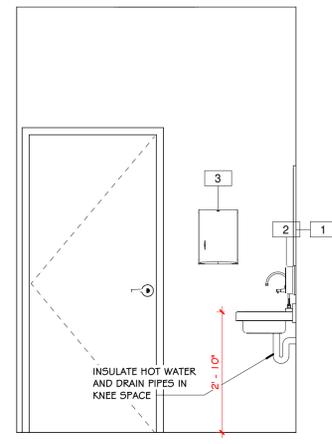
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TOILET ACCESSORIES		
Mark	Description	Comments
1	MIRROR	
2	SOAP DISPENSER	
3	TOWEL DISPENSER	
4	TOILET TISSUE DISPENSER	
5	CORNER GRAB BAR	
6	18" GRAB BAR	
7	SPECIMEN PASS-THRU	
8	CHANGING STATION	

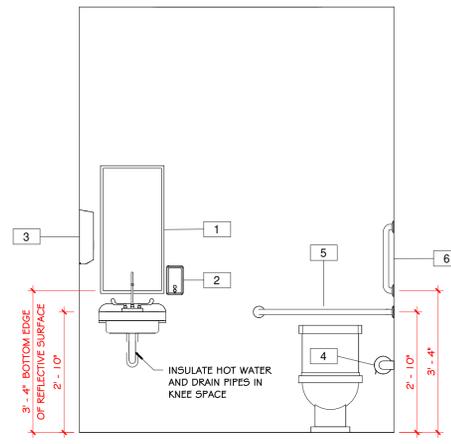
ALL TOILET ACCESSORIES TO BE COORDINATED W/ THE OWNER.
 (MATCH EXISTING)



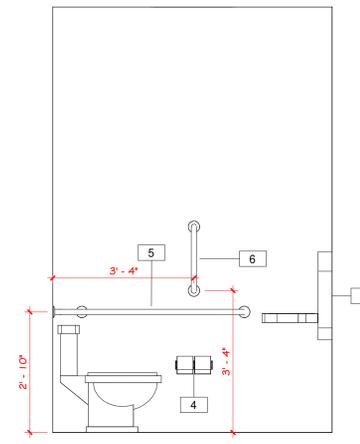
9 TOILET 104 EAST
 SCALE = 1/2" = 1'-0"



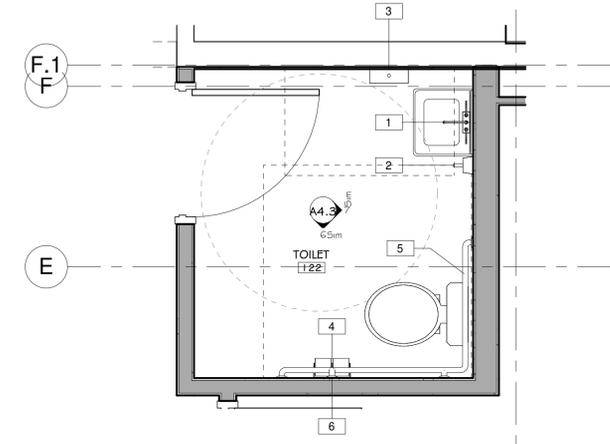
8 TYP. SINK SIDE
 SCALE = 1/2" = 1'-0"



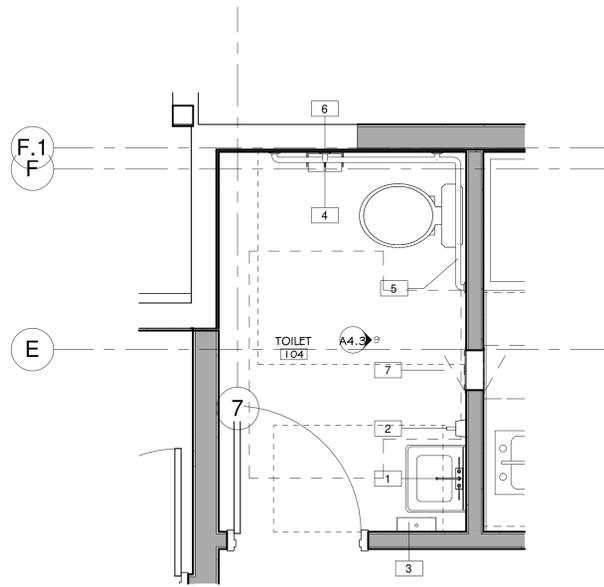
7 TYP. TOILET BACK
 SCALE = 1/2" = 1'-0"



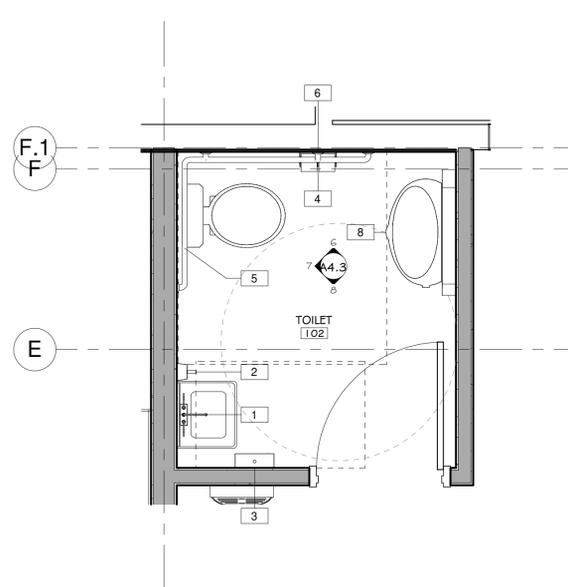
6 TYP. TOILET SIDE
 SCALE = 1/2" = 1'-0"



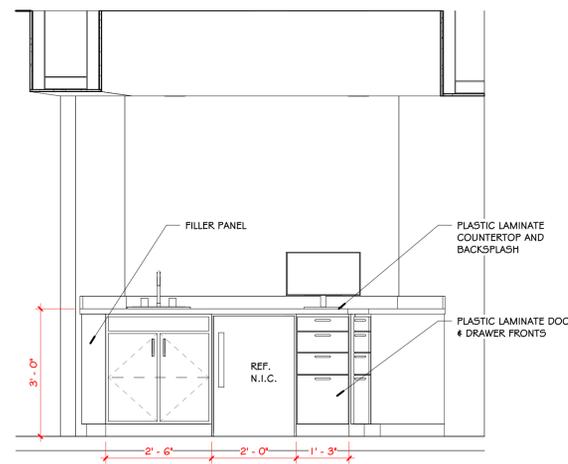
5 TOILET 122
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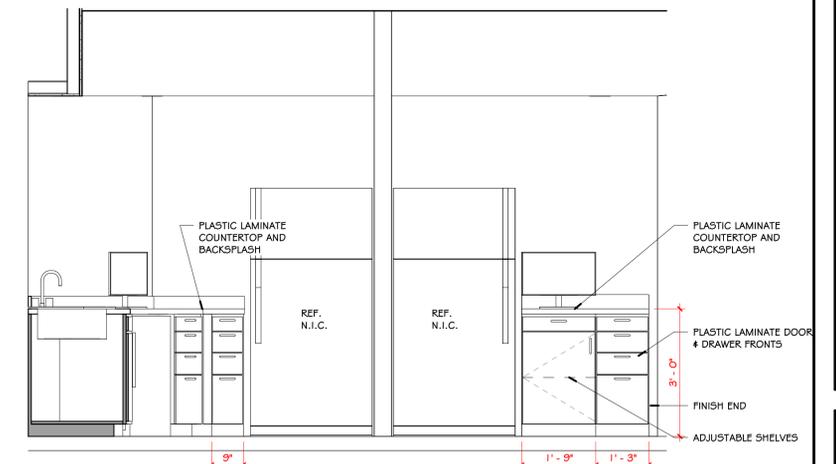
4 TOILET 104
 SCALE = 1/2" = 1'-0"



3 TOILET 102
 SCALE = 1/2" = 1'-0"



2 NURSE VACCINE NORTH
 SCALE = 1/2" = 1'-0"

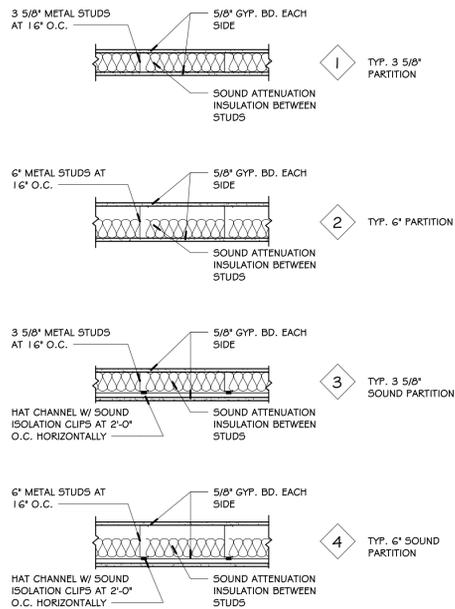


1 NURSE VACCINE EAST
 SCALE = 1/2" = 1'-0"

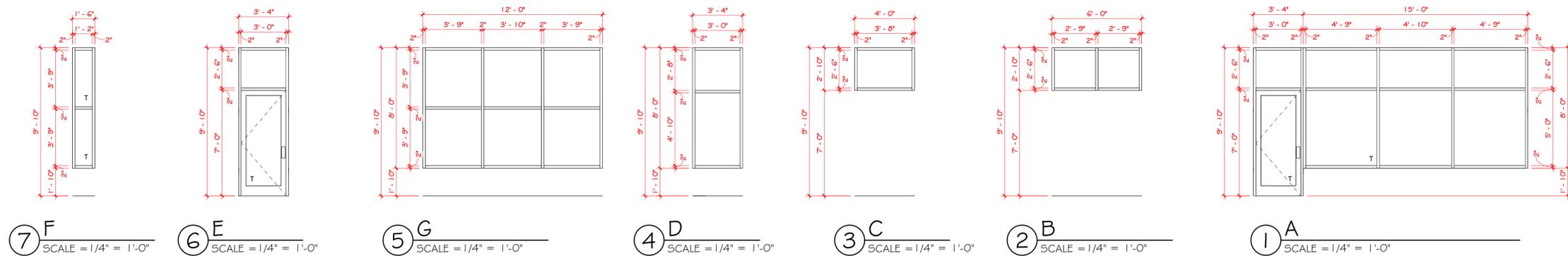
Room Schedule										
Number	Room Name	Area	Floor	Base	Wall Finish				Ceiling	Comments
					North	West	South	East		
101	WAITING	344 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
102	TOILET	49 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
103	LAB	84 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
104	TOILET	52 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
105	VISION / HEARING	50 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
106	CHECK IN/OUT	149 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
107	STORAGE	42 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
108	EXAM #6	89 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
109	EXAM #1	100 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
110	EXAM #2	92 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
111	EXAM #3	92 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
112	EXAM #4	92 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
113	EXAM #5	89 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
114	STORAGE	43 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
115	EXAM #9	92 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
116	EXAM #10	91 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
117	EXAM #11	92 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
118	EXAM #12	92 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
119	PHONE NURSE	62 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
120	PROVIDER'S	350 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
121	BACK HALL	107 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
122	TOILET	48 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
123	MANAGER OFFICE	225 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
124	EXAM #8	92 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
125	EXAM #7	94 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
126	NURSE EXAM	82 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
127	NURSE	339 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	
128	HALL	1020 SF	VINYL PLANK	RUBBER COVE	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	PAINTED GYP.	2X2 ACOUSTIC	

GENERAL FINISH NOTES

1. WALL FINISH SHALL BE SMOOTH FINISH, NO TEXTURE, PAINTED, UNLESS NOTED OTHERWISE (U.N.O.).
2. ALL FINISHES TO BE COORDINATED WITH THE OWNER, INCLUDING TYPE, COLOR AND LOCATION.
3. PROVIDE FINISH TOE, KICK OR BASE TRIM AT BASE CABINETS FOR CABINET BASE AND WALL BASE AS PER FINISH SCHEDULE OR NOTES. COORDINATE WITH OWNER.
4. PROVIDE CORNER GUARDS PER SPECIFICATIONS AT ALL OUTSIDE SHEET ROCK CORNERS TYPICAL.
5. PROVIDE SEMI-RECESSED FIRE EXTINGUISHER CABINETS AS PER SPECS.



PARTITION SCHEDULE
SCALE = 3/4" = 1'-0"



⑦ F SCALE = 1/4" = 1'-0" ⑥ E SCALE = 1/4" = 1'-0" ⑤ G SCALE = 1/4" = 1'-0" ④ D SCALE = 1/4" = 1'-0" ③ C SCALE = 1/4" = 1'-0" ② B SCALE = 1/4" = 1'-0" ① A SCALE = 1/4" = 1'-0"

BLACK ALUMINUM STOREFRONT (MATCH EXISTING)
1" DUAL PANE INSULATED LOW-E GLAZING
TINT TO MATCH EXISTING
T = TEMPERED

Door Schedule												
Mark	Room Name	Width	Height	Frame		Door			Glazing	Threshold	Hardware	Comments
				Type	Finish	Thickness	Type	Finish				
101A	WAITING	3' - 0"	7' - 0"	ALUM	BLACK		ALUM	BLACK	TEMP	Yes		1
101B	WAITING	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
102	TOILET	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #1	
102C	WAITING	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
103	LAB	3' - 0"	7' - 0"			1 1/2"						2
104	TOILET	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #1	
105	VISION / HEARING	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	4
107	HALL	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #3	
108	EXAM #6	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
109	EXAM #1	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
110	EXAM #2	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
111	EXAM #3	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
112	EXAM #4	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
113	EXAM #5	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
114	STORAGE	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #3	
115	EXAM #9	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
116	EXAM #10	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
117	EXAM #11	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
118	EXAM #12	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
119	PHONE NURSE	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #4	
120	PROVIDER'S	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #4	
122	TOILET	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #1	
123	MANAGER OFFICE	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #4	
124	EXAM #8	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
125	EXAM #7	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
126	NURSE EXAM	3' - 0"	7' - 0"	HM	PT1	1 3/4"	SCWD	ST		No	SET #2	
128	HALL	3' - 0"	7' - 0"	ALUM	BLACK		ALUM	BLACK	TEMP	Yes		1,3

KEYED DOOR NOTES:

1. DOOR HARDWARE FOR STOREFRONT DOORS TO BE PROVIDED BY THE DOOR SUPPLIER. COORDINATE LOCK CYLINDERS WITH EXISTING DOORS
2. INSTALL POCKET DOORS WITH ADA ACCESSIBLE POCKET DOOR LEVER HARDWARE
3. COORDINATE BADGE/FOB LOCKSET W/ EXISTING DOORS
4. INSTALL DROP DOWN DOOR BOTTOM SEAL. MORTISED.

GENERAL DOOR # WINDOW NOTES

1. ALL DOORS, WINDOWS AND FRAMES TO BE FINISHED TO MATCH EXISTING.
2. ALL DOOR AND WINDOW DIMENSIONS ARE TO THE FINISHED FRAME UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE AND VERIFY ROUGH OPENINGS WITH WINDOW MANUFACTURERS SHOP DRAWINGS.
3. ALL DOOR AND WINDOW TYPES AND MANUFACTURER TO MATCH EXISTING.
4. ALL HARDWARE TO COMPLY WITH REQUIREMENTS FOR EGRESS AND ACCESSIBILITY.
5. PROVIDE THRESHOLD AT ALL FLOOR FINISH TRANSITIONS. TYPICAL U.N.O. VERIFY TYPES AND LOCATIONS WITH THE OWNER. THRESHOLDS SHALL BE NO MORE THAN 1/2" IN HEIGHT AND PROVIDE FOR ACCESSIBLE PASSAGE.
6. REFER TO PLAN AND/OR DOOR SCHEDULE FOR DOOR SIZES AND NOTES ON SPECIAL DOOR TYPES.
7. ALL MULTI-USE TOILET ROOMS TO BE PROVIDED SELF-CLOSING.

DOOR HARDWARE SCHEDULE

- SET 1. INTERIOR PUBLIC TOILETS**
PASSAGE LOCKSET
DEADBOLT W/ OCCUPANCY INDICATOR
BUTT HINGES
STOPS
SILENCERS
- SET 2. INTERIOR PASSAGE DOORS**
PASSAGE LOCK SETS
BUTT HINGES
STOPS
SILENCERS
- SET 3. INTERIOR STORAGE ROOM DOOR**
CLASSROOM LOCK SETS
CYLINDERS AS SPECIFIED
DELAYED ACTION CLOSER
BUTT HINGES
STOPS
SILENCERS
- SET 4. INTERIOR OFFICE DOORS**
OFFICE LOCK SETS
CYLINDERS AS SPECIFIED
DELAYED ACTION CLOSER
BUTT HINGES
STOPS
SILENCERS
- SET 5. EXTERIOR SECURITY DOORS**
EXIT DEVICES
CYLINDERS AS SPECIFIED
DELAYED ACTION CLOSER
BUTT HINGES
STOPS
SILENCERS
* MAGNETIC LOCKS AND CARD READERS / KEYPADS BY OWNERS SECURITY CONTRACTOR, GENERAL CONTRACTOR TO PROVIDE CONDUIT AND BOXES.*
- DOOR HARDWARE SCHEDULE IS FOR INFORMATION ONLY. ALL FINAL DOOR HARDWARE SETS ARE BY DOOR HARDWARE SUPPLIER.



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Revision Schedule	Description
Rev. #	Date

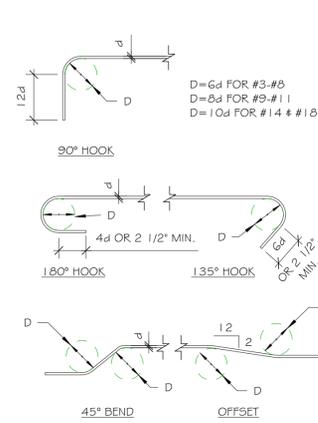
NWA PEDIATRICS ADDITION
3730 S PINNACLE HILLS PKWY #3
ROGERS, AR 72758

MANA
3383 N MANA CT, SUITE 201
FAYETTEVILLE, AR 72703

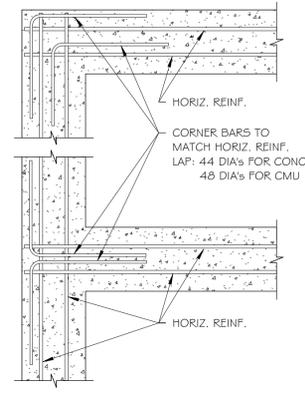
DATE 02/23/26	DRAWN BY ELP
PROJECT # 2438	CHECKED BY JTK

SHEET
A5.1
SCHEDULES

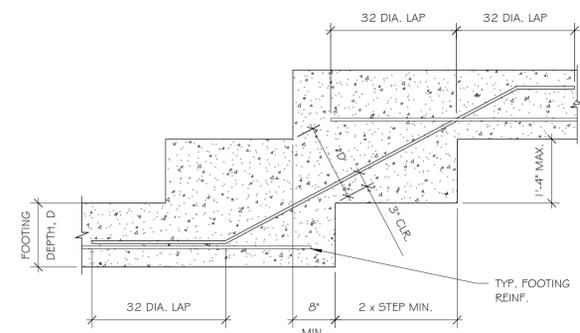
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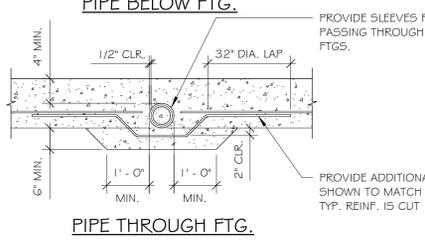
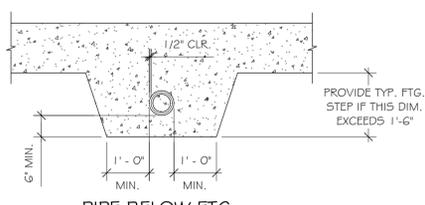
1 TYP. RE-BAR BEND DETAIL
3/4" = 1'-0"



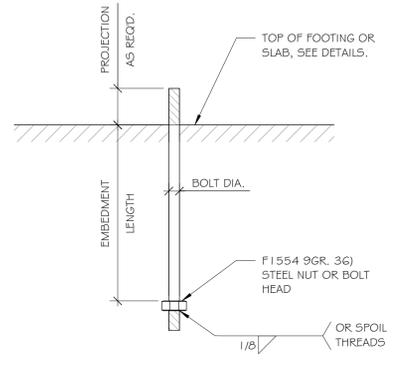
2 TYP. CORNER BARS FOR WALLS AND FTGS.
3/4" = 1'-0"



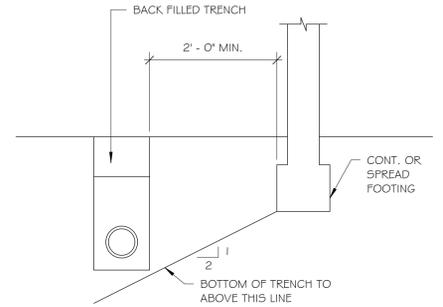
3 TYPICAL STEPPED FOOTING
3/4" = 1'-0"



4 PIPE PERPENDICULAR TO FTG.
1/2" = 1'-0"



5 TYPICAL ANCHOR BOLT
3/4" = 1'-0"



6 TRENCHES PARALLEL TO FTG.
3/4" = 1'-0"

STRUCTURAL NOTES

- ALL ELEVATIONS ARE GIVEN WITH REFERENCE TO FINISH FLOOR DATUM 100'-0" (MATCH EXISTING).
 - ALL STRUCTURAL SELECT FILL WITHIN THE BUILDING FOOTPRINT, SHALL BE APPROVED MATERIAL PLACED IN 9" LOOSE LIFTS AND COMPACTED TO 98% OF THE MAXIMUM DRY DENSITY PER STANDARD PROCTOR TEST (ASTM D-698). BASE COURSE MATERIAL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER MODIFIED PROCTOR (ASTM D-1557).
 - FOOTINGS ARE TO BEAR IN NATIVE, RELATIVELY UNDISTURBED MEDIUM DENSE TO VERY DENSE STRATUM III GRAVELS AND CHERT. ALL EXCAVATIONS SHALL BE CLEAN CUT AND SQUARE.
 - FOOTING ELEVATIONS NOTED ARE FOR BIDDING PURPOSES AND SHALL BE LOWERED AS NECESSARY TO REACH THE SPECIFIED BEARING STRATA AND COVER.
 - THE FOUNDATION IS DESIGNED FOR A BEARING CAPACITY OF 4000 PSF FOR CONTINUOUS FOOTINGS AND 5200 PSF FOR ISOLATED COLUMN FOOTINGS BASED ON GEOTECHNICAL REPORT DATED AUGUST 26, 2016 BY GTS, INC. PROVIDE 18" MIN. FROM FINISH GRADE OR PAVING TO BOTTOM OF FOOTING AT EXTERIOR CONDITIONS. FOOTING EXCAVATIONS SHALL BE APPROVED BY OWNER'S GEOTECHNICAL CONSULTANT PRIOR TO PLACING RE-BAR.
 - CONCRETE SHALL HAVE A 28 DAY STRENGTH. MAXIMUM SLUMP AND MAXIMUM AGGREGATE SIZE AS FOLLOWS:
FOOTINGS AND STEMWALLS: 3000 PSI - 6" SLUMP - 1 1/2" AGG.
INTERIOR SLAB: 3000 PSI - 4" SLUMP - 1" AGG.
EXTERIOR SLAB: 3500 PSI - 4" SLUMP - 1" AGG.
- ALL CONCRETE EXPOSED TO FREEZE/THAW SHALL HAVE APPROX. 5% AIR ENTRAINMENT. REINF. STEEL SHALL CONFORM TO GRADE 60 (ASTM A-615). LAP ALL CONCRETE REINFORCING 44 BAR DIAMETERS, 12" MINIMUM, UNLESS NOTED OTHERWISE. LAP ALL UNDER-SLAB VAPOR BARRIER SHEETS A MINIMUM OF 6" AT ALL SPLICES.
- VERIFY ALL DIMENSIONS, SLOPES, DEPRESSIONS, EMBEDMENTS ETC. BEFORE PLACING CONCRETE.
 - PROVIDE SLAB CONTROL JOINTS (CJ) WHERE INDICATED ON PLAN. C.J.'S SHALL BE APPROX. 1/4 OF THE SLAB DEPTH AND SHALL BE ONE OF THE FOLLOWING:
 - SAWCUT AS SOON AS POSSIBLE (WITHIN 12 HOURS OF POUR).
 - ZIP CAP TYPE JOINT FORMER.
 - TOOLED JOINTS FOR EXTERIOR SLAB.
- CONST. JOINTS W/ 3/8"x4 1/2"x4 1/2" FNA DIAMOND DOWELS AT 18" O.C. MAY BE SUBSTITUTED FOR ANY CONTROL JOINT AND SHALL BE USED WHERE INDICATED ON THE PLAN.
- STRUCTURAL STEEL SHALL MEET THE FOLLOWING CRITERIA:
WIDE FLANGE SHAPES: ASTM A-992, 50 KSI
SHAPES, BARS AND PLATES: ASTM A-36, 36 KSI
STRUCTURAL PIPE (HSS): ASTM A-500, 42 KSI
STRUCTURAL TUBING (HSS): ASTM A-500, 46 KSI
- ALL BOLTED STEEL CONNECTIONS SHALL BE MADE USING ASTM A-325N H.S. BOLTS UNLESS NOTED OTHERWISE. CONCRETE ANCHOR BOLTS SHALL BE F1554 (GR. 36) UNLESS NOTED OTHERWISE. WELDING SHALL MEET LATEST AWS CODE. E70 ELECTRODES. GROUT BENEATH COLUMN BASE PLATES SHALL BE NON-METALLIC MEETING ASTM C-827, 5000 PSI AT 28 DAYS.
- OPEN WEB JOISTS:
DESIGN, FABRICATION AND ERECTION OF STEEL JOISTS SHALL CONFORM WITH THE LATEST EDITION OF THE STEEL JOIST INSTITUTE SPECIFICATION.
USE "SPECIAL" JOISTS AT ROOF TOP UNITS AND OTHER LOCATIONS WHERE ADDITIONAL LOADS ARE SHOWN ON THE FRAMING PLAN. REFER TO FRAMING PLAN FOR WEIGHTS AND LOCATIONS. ROOF TOP UNIT WEIGHTS AND WEIGHTS NOTED ON FRAMING PLAN MUST BE ADDED TO THE TOTAL LOAD ON THE JOISTS. COORDINATE WITH MECHANICAL AND ARCH. DRAWINGS. WELD EACH JOIST TO BEAM, JOIST GIRDER OR WELD PLATE WITH A 1/8" FILLET WELD EACH SIDE OF JOIST. WELD LENGTH SHALL BE A MINIMUM OF 2" UNLESS NOTED OTHERWISE.
USE BRIDGING AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY THE STEEL JOIST INSTITUTE. CONTINUE ALL BRIDGING TO ROLLED STEEL SHAPES AND/OR WALLS WHICH ARE PARALLEL TO THE JOISTS AND ANCHOR IN ACCORDANCE WITH STEEL JOIST INSTITUTE SPECIFICATIONS. ALL BRIDGING SHALL BE SECURED TO TOP AND BOTTOM OF ALL JOISTS AND BEAMS AND SHALL BE IN ACCORDANCE WITH STEEL JOIST INSTITUTE SPECIFICATIONS. JOISTS SHALL BEAR 4" MINIMUM ON MASONRY AND 2-1/2" MINIMUM ON STEEL. PROVIDE ANCHORAGE AT MASONRY BEARING IN ACCORDANCE WITH STEEL JOIST INSTITUTE SPECIFICATIONS. JOIST MANUFACTURER MUST CHECK ROOF JOISTS AND JOIST GIRDERS FOR A 20 PSF NET UPLIFT PRESSURE (30 PSF AT 14 FOOT WIDE ZONE AT ROOF PERIMETER), AND PROVIDE BRIDGING AND BOTTOM CHORD EXTENSIONS AS REQUIRED TO ADEQUATELY BRACE THE BOTTOM CHORDS AGAINST LATERAL MOVEMENT.
 - CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS (DIMENSIONS, ELEVATIONS, FTG. LOCATION AND SIZE, ETC.). FIELD VERIFICATION OF ALL EXISTING CONDITIONS SHALL OCCUR PRIOR TO FABRICATION OF ANY NEW STRUCTURAL BUILDING MATERIALS. SEE PLAN AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

STRUCTURAL NOTES CONT.

- ALL COLD-FORMED STEEL FRAMING SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE. STEEL FOR 1 1/2" x 2" GAGE STUDS SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI. STEEL FOR ALL 1 1/2" x 2" GAGE STUDS, JOISTS, AND FOR ALL GAGE TRACK, ACCESSORIES AND BRIDGING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. STEEL SHALL BE GALVANIZED WITH A MINIMUM G-60 COATING.
- ALL STUDS SHALL BE SECURELY SEATED FOR FULL END BEARING ON TOP AND BOTTOM TRACK, UNLESS NOTED OTHERWISE. PROVIDE DOUBLE STUDS AT ALL JAMBS, CORNERS AND INTERSECTIONS. BRIDGING SHALL BE INSTALLED PER RECOMMENDATIONS WITH THE FOLLOWING MINIMUM REQUIREMENTS: PROVIDE BRIDGING AT MID-HEIGHT FOR WALLS LESS THAN OR EQUAL TO 10'-0" HIGH, AND 4'-0" O.C. MAXIMUM FOR WALLS GREATER THAN 10'-0" HIGH. IN ADDITION, BRIDGING SHALL BE PROVIDED AT ROOF LINES AND ELSEWHERE AS NOTED ON THE DRAWINGS. SOLID BLOCKING SHALL BE INSTALLED IN LIEU OF BRIDGING WHERE NOTED ON THE DRAWINGS.
- STEEL DECKING:
ROOF DECK (U.N.O.) SHALL BE 1 1/2" x 22" GAGE TYPE B PAINTED.
CONNECT TO ALL SUPPORTS W/ 5/8" DIA. PUDDLE WELDS AT 6" O.C. (6" O.C. AT ALL BOUNDARY ANGLES) (36/7 PATTERN). CONNECT SIDELAPS W/ (4)-#10 TKS PER SPAN.
 - PRE-ENGINEERED LT. GA. ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOADS:
TOP CHORD: DEAD LOAD = 10 PSF
LIVE LOAD/SNOW LOAD = 20 PSF
SNOW DRIFT = AS REQUIRED
BOTTOM CHORD: DEAD LOAD = 10 PSF
- DEAD LOADS INCLUDE TRUSS SELF WEIGHT, CAMBER TRUSSES FOR 1 1/2" x 22" DEAD LOAD DEFLECTION. SUBMIT TRUSS DESIGN DOCUMENTS, INCLUDING LAYOUT, STAMPED BY AN ARKANSAS P.E. TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION. INSTALL TRUSSES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS INCLUDING BRIDGING.
- SIMPSON STRONG-TIE PRODUCTS AND HILTI PRODUCTS (OR EQUIVALENT EQUALS) SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - DESIGN CRITERIA
CODE: 2021 ARKANSAS FIRE PREVENTION CODE
ROOF LIVE LOAD: 21 PSF
ROOF DEAD LOAD: 20 PSF
- SNOW LOAD
GROUND SNOW LOAD, P_g: 20 PSF
FLAT ROOF SNOW LOAD, P_f: 14 PSF
SNOW EXPOSURE FACTOR, C_e: 1.0
SNOW LOAD IMPORTANCE FACTOR, I_s: 1.0
THERMAL FACTOR, C_t: 1.0
DESIGN SNOW LOAD: 21 PSF
- WIND LOAD
DESIGN WIND SPEED, V_{ult}: 107 MPH
DESIGN WIND SPEED, V_{asd}: 90 MPH
RISK CATEGORY: II
WIND EXPOSURE CATEGORY: C
INTERNAL PRESSURE COEFF.: +0.18, -0.18
COMPONENTS & CLADDING (ASD): 20.4 PSF
- SEISMIC LOAD
RISK CATEGORY: II
IMPORTANCE FACTOR, I_e: 1.00
MAPPED SPECTRAL RESPONSE COEFF.: S_s=0.155, S₁=0.090
DESIGN SPECTRAL RESPONSE COEFF.: S_{ds}=0.134, S_{d1}=0.090
SITE CLASS: C
DESIGN CATEGORY: B
BASIC SEISMIC FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC
DESIGN BASE SHEAR: V=0.0448W
SEISMIC RESPONSE COEFF., C: 0.0448
RESPONSE MODIFICATION COEFF., R: 3.0
ANALYSIS PROCEDURE: EQUIV. LATERAL FORCE
- THIS DESIGN COMPLIES WITH THE ARKANSAS SEISMIC STANDARDS.

SPECIAL INSPECTIONS

STRUCTURAL SPECIAL INSPECTIONS ARE REQUIRED PER SECTION 1705 OF THE 2021 ARKANSAS FIRE PREVENTION CODE. REFER TO SHEETS S7 AND S8 FOR THE FOLLOWING INFORMATION REGARDING THE REQUIREMENTS OF SPECIAL INSPECTIONS:

- THE MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTION OR TESTING BY THE BUILDING OFFICIAL OR BY THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR EACH PORTION OF THE WORK.
- THE TYPE AND EXTENT OF EACH SPECIAL INSPECTION.
- THE TYPE AND EXTENT OF EACH TEST.
- ADDITIONAL REQUIREMENTS FOR SPECIAL INSPECTION OR TESTING FOR WIND OR SEISMIC RESISTANCE AS SPECIFIED IN SECTIONS 1705.10, 1705.11 AND 1705.12. (WHEN APPLICABLE)
- FOR EACH TYPE OF SPECIAL INSPECTION, IDENTIFICATION AS TO WHETHER IS WILL BE CONTINUOUS SPECIAL INSPECTION OR PERIODIC SPECIAL INSPECTION.

JLA ENGINEERS INC. DOES NOT PERFORM SPECIAL INSPECTIONS.

SPECIAL INSPECTIONS

1/8" = 1'-0"

EXTERIOR HEADER SCHEDULE

MARK	HEADER SIZE	JAMB	"BOX" MEMBERS	HEADER/JAMB CONN.	SILL MEMBER	NOTES
H1	(2)-800S162-68 [1 1/4 GA.]	(2)-600S162-54 [1 1/4 GA.]	600T150-54 [1 1/4 GA.] T.4B.	SHHG/54 (C2)	600T150-54 [1 1/4 GA.]	1,2,3,4
H2	(2)-800S162-54 [1 1/4 GA.]	(2)-600S162-54 [1 1/4 GA.]	600T150-54 [1 1/4 GA.] T.4B.	SHHG/54 (C2)	N/A	1,2,3
H3	H55 10x6x3/8	N/A	N/A	N/A	N/A	5,6
H4	(2)-800S162-54 [1 1/4 GA.]	(1)-600S162-54 [1 1/4 GA.]	600T150-54 [1 1/4 GA.] T.4B.	SHHG/54 (C1)	600T150-54 [1 1/4 GA.]	1,2,3,4
H5	(2)-1200S162-97 [1 1/2 GA.]	(3)-600S162-68 [1 1/4 GA.]	600T200-68 [1 1/2 GA.] T.4B.	SHHG/54 (D2)	600T200-97 [1 1/2 GA.]	1,2,3,7

NOTES:
1. SHHG/54 CONNECTION EA. SIDE OF HEADER AND AT EA. JAMB
2. PROVIDE L5x5x5/16 BRICK SUPPORT WHERE APPLICABLE. CONN. TO LT. GA. HEADER W/ (2)-#12 SCREWS AT 4" O.C. AND EXTEND ANGLE 8" EA. END TO BEAR ON VENEER.
3. ALL "BOX" MEMBERS SHALL BE 50 KSI
4. PROVIDE SIMPSON L550 CLIP (ONE EA. END OF SILL MEMBER) FOR SILL CONN. TO JAMB.
5. CONNECT H55 HEADER TO W/COL. AND H55 COL. PER DETAIL 1/56.
6. PROVIDE L5x5x5/16 BRICK SUPPORT. WELD ANGLE TO H55 HEADER. SEE DETAIL 2/56.
7. PROVIDE SIMPSON L550 CLIP (TWO EA. END OF SILL MEMBER) FOR SILL CONN. TO JAMB.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F2.5	2'-6"x5Q.x14" T.	(4)-#4 EA. WAY BOTTOM
F3.5	3'-6"x5Q.x14" T.	(4)-#5 EA. WAY BOTTOM
F5	4'-0"x5'-0"x12" T.	(4)-#5 LONGIT. BOTT.; (5)-#5 TRANS. BOTT.
F6.5	8'-0"x6'-0"x20" T.	(7)-#6 LONGIT. T.4B.; (9)-#6 TRANS. T.4B.
F8.5	8'-0"x6'-0"x20" T.	(6)-#6 LONGIT. T.4B.; (9)-#6 TRANS. T.4B.
WF2	2'-0"xCONT.x14" T.	(3)-#5 CONT. BOTT.; #4 AT 48" O.C. TRANS. BOTT.
WF6	6'-0"xCONT.x22" T.	(7)-#6 LONGIT. T.4B.; #5 AT 24" O.C. T.4B. TRANS.

COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	BASE PLATE TYPE (SEE DTL. 9/54 U.N.O.)	ANCHOR BOLTS
C4	H554x4x1/4	10x3/4"x0'-10"	TYPE 1	(4)-3/4" DIA. x 9" EMBED
C4A	H554x4x1/4	10x3/4"x0'-10"	TYPE 2	(4)-3/4" DIA. x 8" EMBED
C5	H555x5x1/4	11'x3/4"x0'-11"	TYPE 1	(4)-3/4" DIA. x 9" EMBED
C5A	H555x5x1/4	11'x3/4"x0'-11"	TYPE 2	(4)-3/4" DIA. x 8" EMBED
C5B	H555x5x5/16	11'x3/4"x0'-11"	TYPE 1	(4)-3/4" DIA. x 9" EMBED
C6	H556x6x5/16	12'x3/4"x1'-0"	TYPE 1	(4)-3/4" DIA. x 9" EMBED
MC10	W10x39	18"x1 1/2"x1'-6"	TYPE 3	(6)-1" DIA. x 15" EMBED (W/ ANCHOR PLATES)
MC10A	W10x54	22"x1 5/8"x1'-10"	TYPE 4	(8)-1" DIA. x 18" EMBED (W/ ANCHOR PLATES)

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JLA JOB #3245

CERTIFICATE OF AUTHORIZATION
JLA ENGINEERS INCORPORATED
No. 1594
ARKANSAS



KEY ARCHITECTURE INC.
P.O. BOX 748 FAYETTEVILLE, ARKANSAS 72702
PH: 479.444.6066 FAX: 479.444.1445

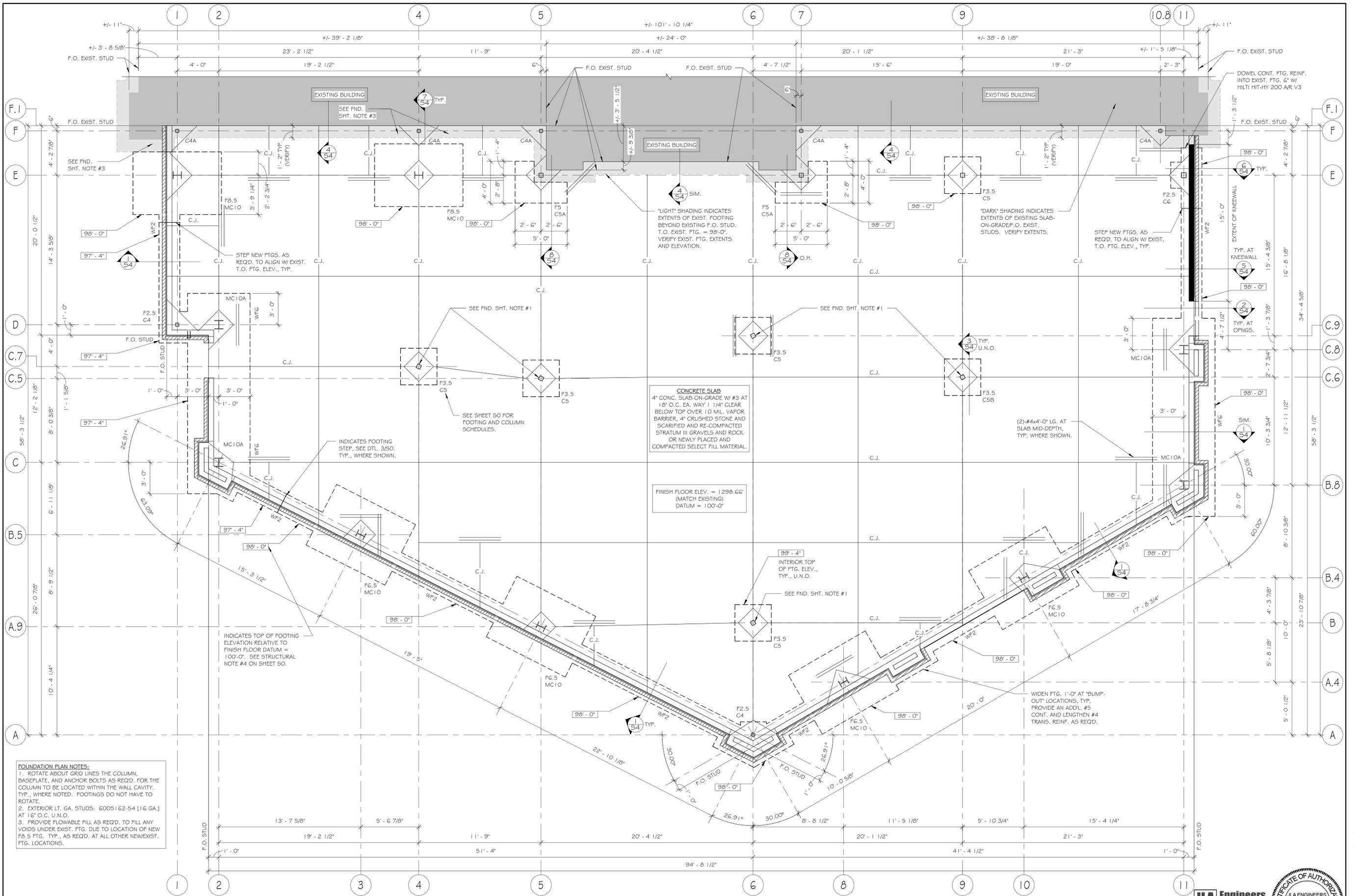
Revision Schedule	Description
Rev. #	Date

NWA PEDIATRICS ADDITION
3730 S PINNACLE HILLS PKWY #3
ROGERS, AR 72768

MANA
3363 N MANA CT. SUITE 201
FAYETTEVILLE, AR 72703

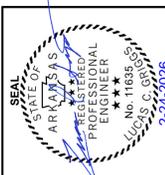
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2438	LCG

SHEET
SO
STRUCT. NOTES AND DTLS.



1 FOUNDATION PLAN
 1/4" = 1'-0"

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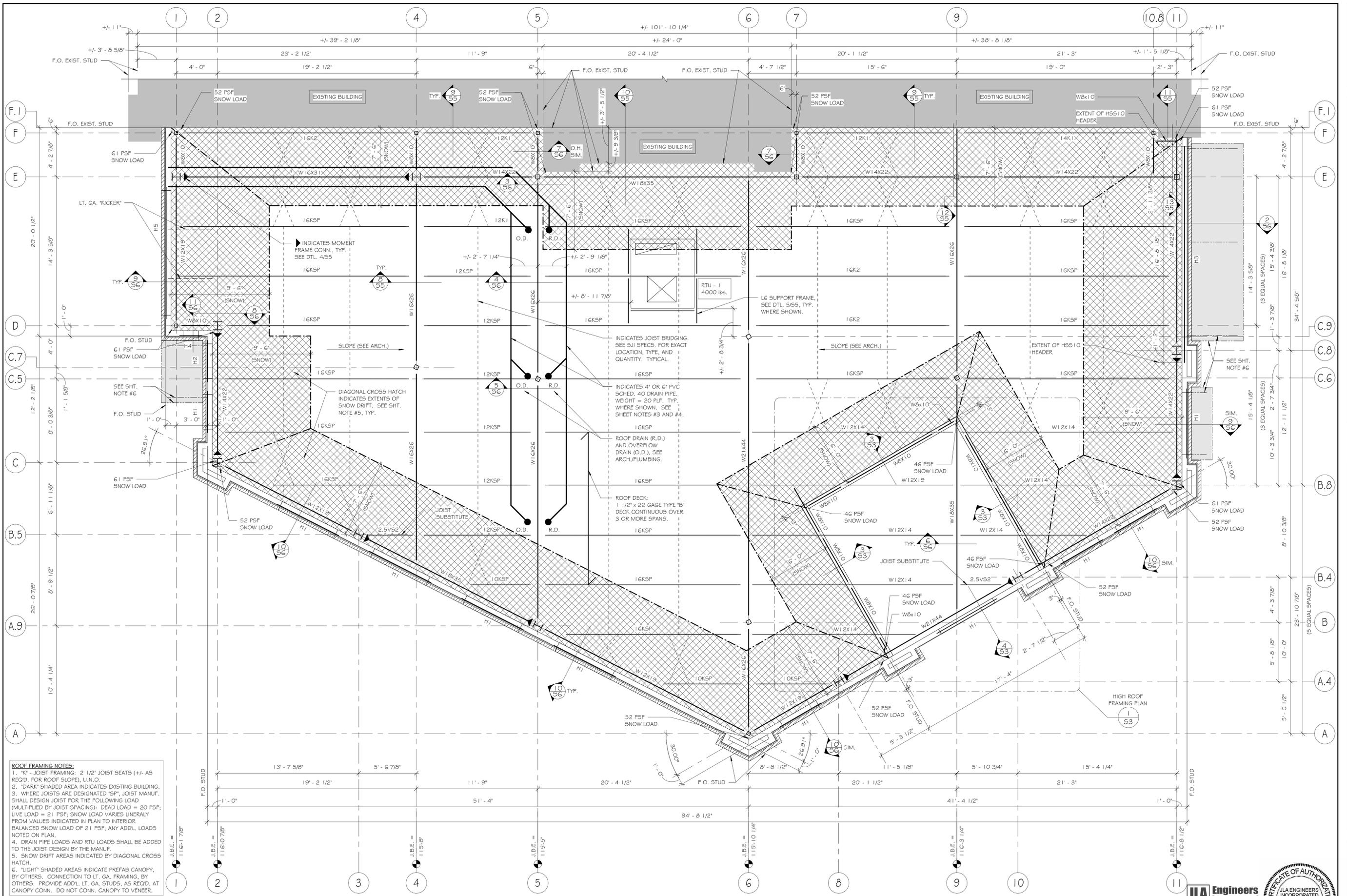
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ROGERS, AR 72768

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SHEET S1
FOUNDATION PLAN

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ROOF FRAMING NOTES:

1. "K" JOIST FRAMING: 2 1/2" JOIST SEATS (+/-) AS REQD. FOR ROOF SLOPE, U.N.O.
2. "DARK" SHADED AREA INDICATES EXISTING BUILDING.
3. WHERE JOISTS ARE DESIGNATED "SP", JOIST MANUF. SHALL DESIGN JOIST FOR THE FOLLOWING LOAD (MULTIPLIED BY JOIST SPACING): DEAD LOAD = 20 PSF; LIVE LOAD = 21 PSF; SNOW LOAD VARIES LINEARLY FROM VALUES INDICATED IN PLAN TO INTERIOR BALANCED SNOW LOAD OF 21 PSF; ANY ADDL. LOADS NOTED ON PLAN.
4. DRAIN PIPE LOADS AND RTU LOADS SHALL BE ADDED TO THE JOIST DESIGN BY THE MANUF.
5. SNOW DRIFT AREAS INDICATED BY DIAGONAL CROSS HATCH.
6. "LIGHT" SHADED AREAS INDICATE PREFAB CANOPY, BY OTHERS. CONNECTION TO LT. GA. FRAMING, BY OTHERS. PROVIDE ADDL. LT. GA. STUDS, AS REQD. AT CANOPY CONN. DO NOT CONN. CANOPY TO VENEER.

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



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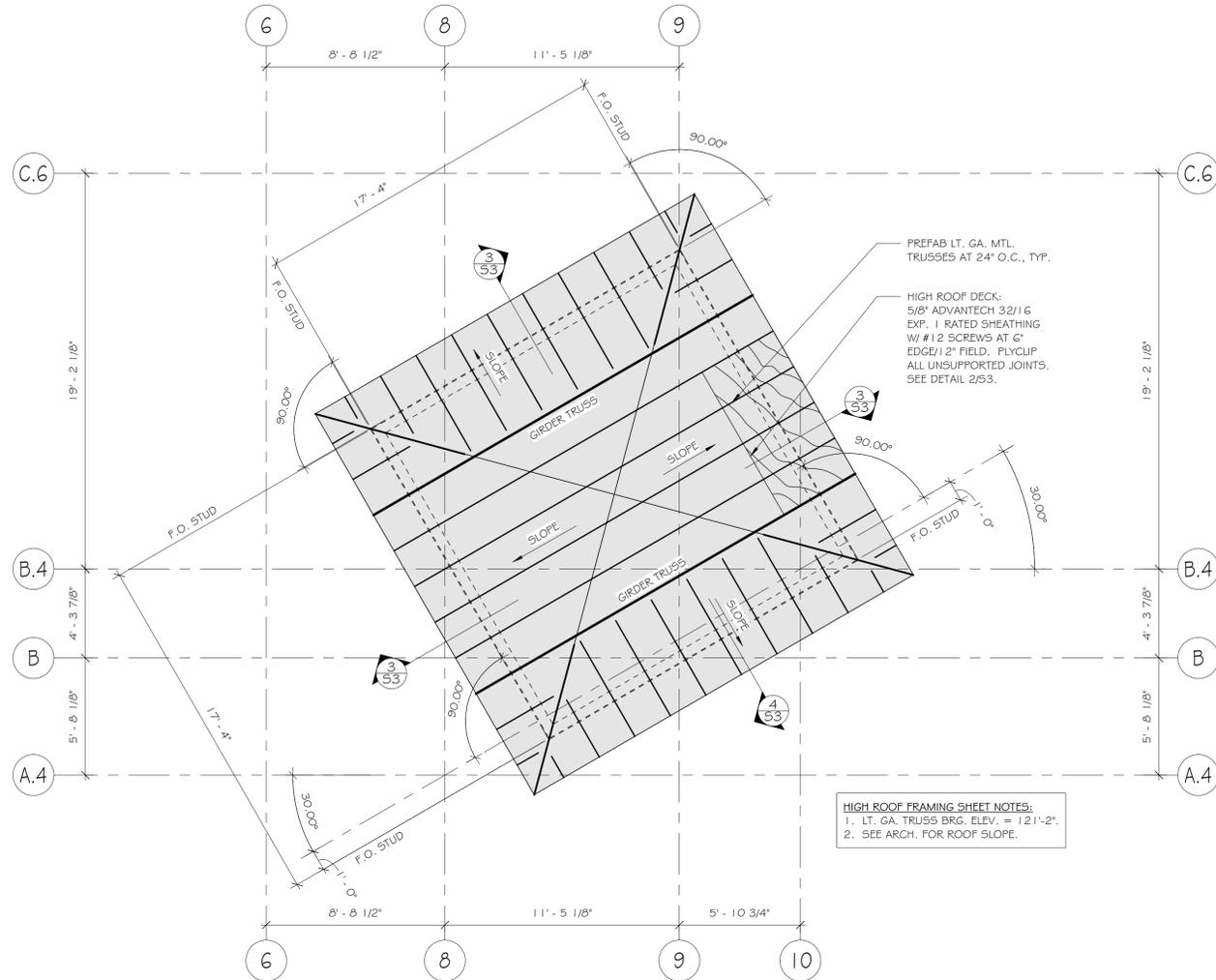
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SHEET	ROOF FRAMING PLAN
S2	

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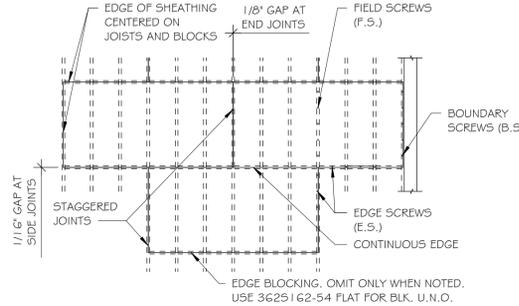
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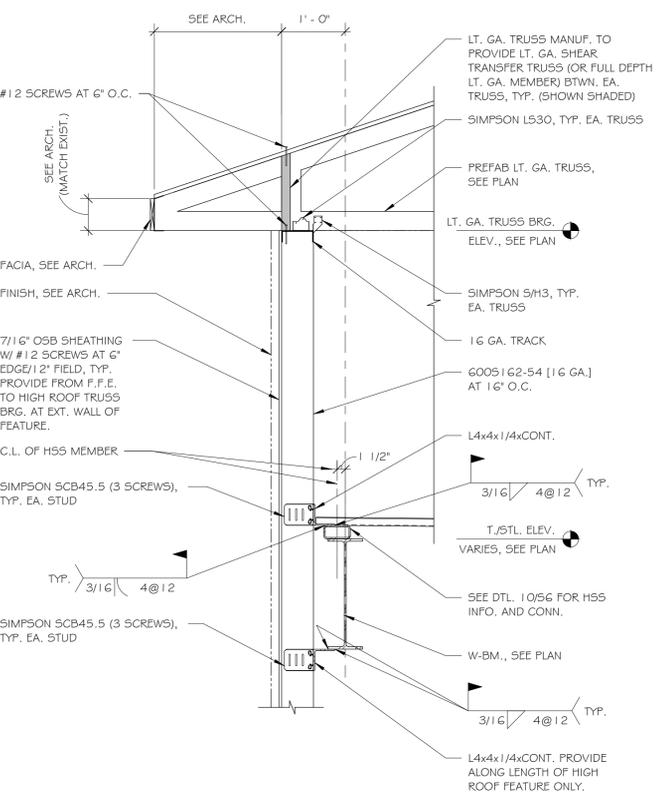
HIGH ROOF FRAMING SHEET NOTES:
 1. LT. GA. TRUSS BRG. ELEV. = 121'-2".
 2. SEE ARCH. FOR ROOF SLOPE.

1 HIGH ROOF FEATURE FRAMING
 1/4" = 1'-0"

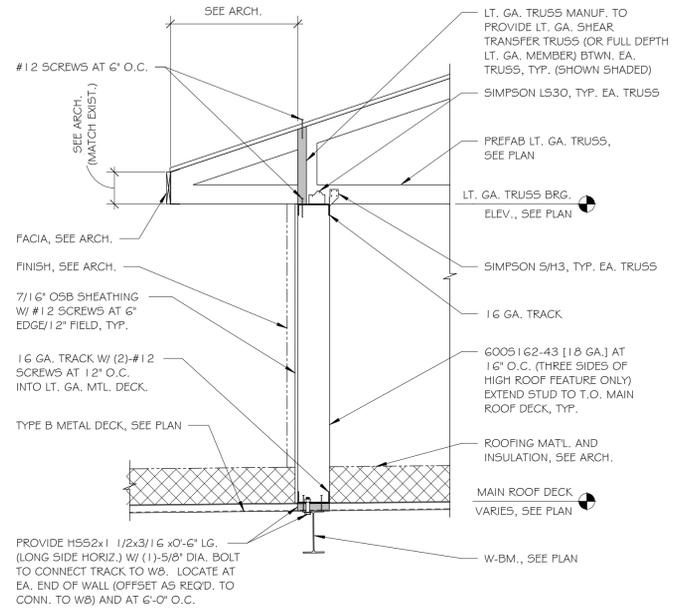


SHEATHING SCHEDULE							
LOCATION	SHEATHING	SCREW SIZE	EDGE SCREW CONT. EDGE	OTHER EDGE	FIELD SCREWS	BOUND SCREW	EDGE BLK.
"HI" ROOF	SEE PLAN	#12	6"	6"	12"	6"	NO

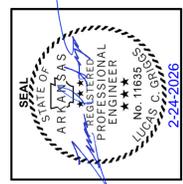
2 HIGH ROOF SHEATHING
 1/4" = 1'-0"



4 EAVE AT HIGH ROOF FEATURE AT EXT. WALL
 3/4" = 1'-0"



3 TYP. EAVE. AT HIGH ROOF
 3/4" = 1'-0"



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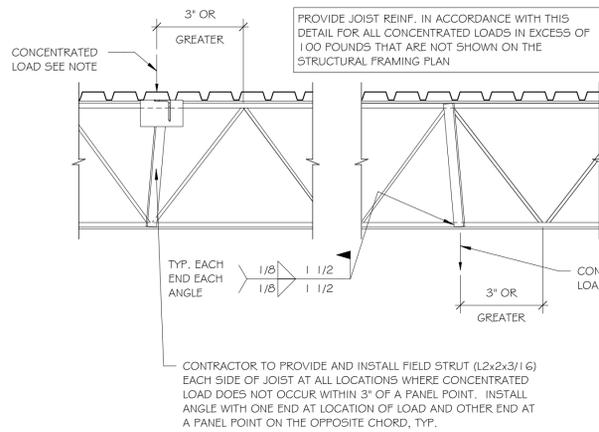
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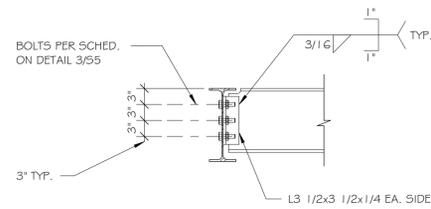
SHEET
S3
 HIGH ROOF FEATURE
 FRAMING & DETAILS



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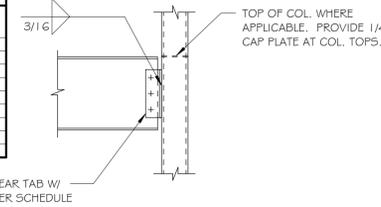
1 JOIST REINFORCING
3/4" = 1'-0"



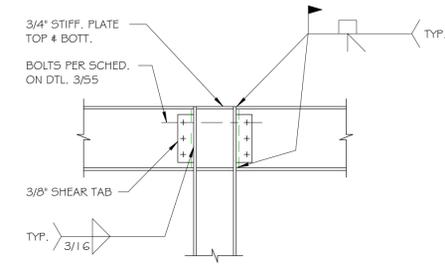
2 TYP. W-BM. TO GIRDER
3/4" = 1'-0"

BOLTING SCHEDULE

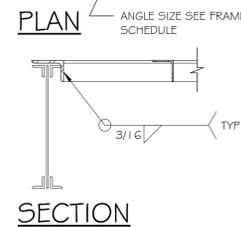
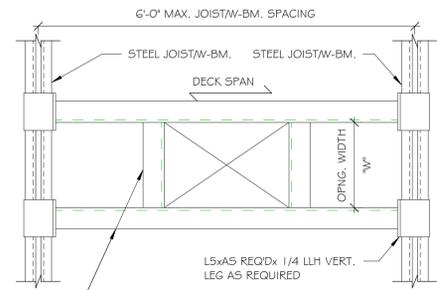
BEAM SIZE	# ROWS 3/4" DIA. A325N BOLTS
W8, W10	2
W12, W14	3
W16	4
W18	5
W21	6
W24	7
W27	8
W30	9
W33	10



3 W-BEAM TO COLUMN
3/4" = 1'-0"



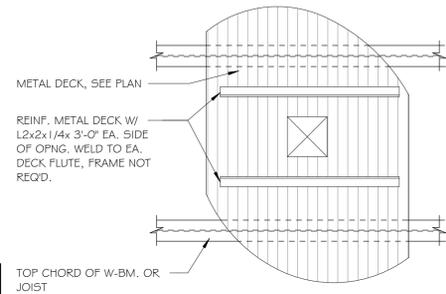
4 TYP. MOMENT RESIST. BM TO W-COL.
3/4" = 1'-0"



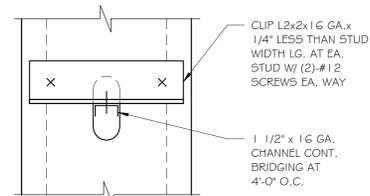
SUPPORT FRAME SCHED.

MARK	ANGLE SIZE	NOTES
L3	L3x3x1/4	----
L4	L4x4x1/4	----
L5	L5x5x5/16	----
L6	L6x6x5/16	----

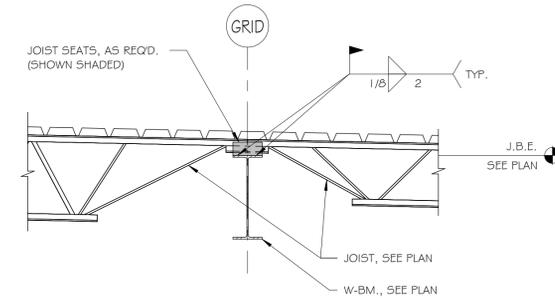
5 LARGE ROOF OPENING DETAILS
3/4" = 1'-0"



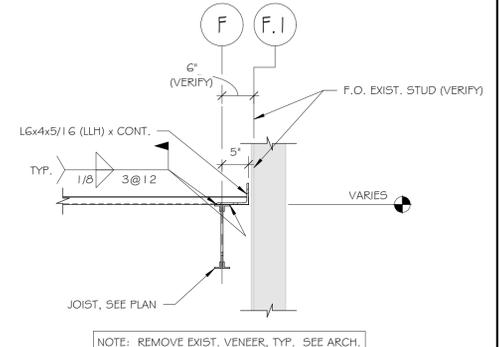
6 SMALL ROOF OPENING DETAIL
3/4" = 1'-0"



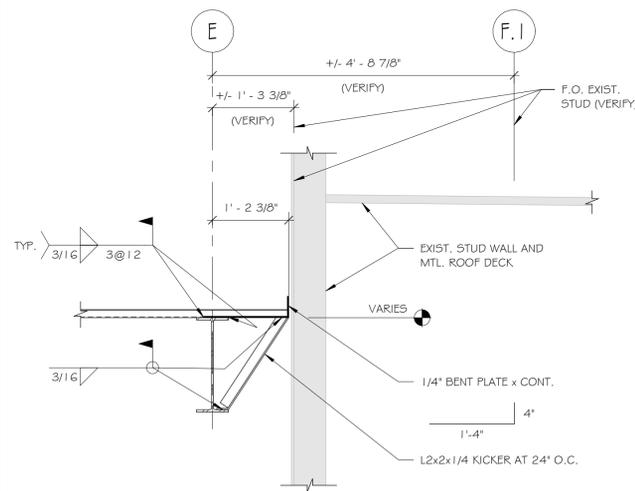
7 METAL STUD WALL DETAIL
1 1/2" = 1'-0"



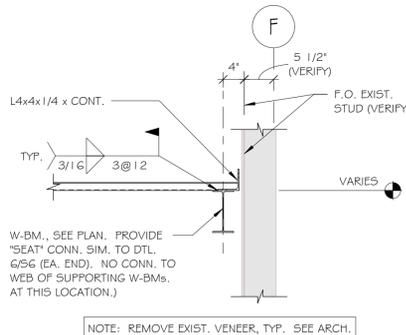
8 TYP. JOIST/W-BM. CONN. AT ROOF
3/4" = 1'-0"



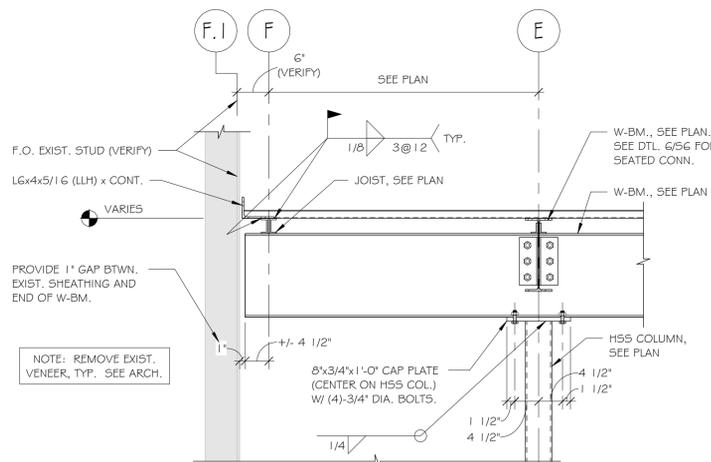
9 NEW JOIST AT EXIST. WALL
3/4" = 1'-0"



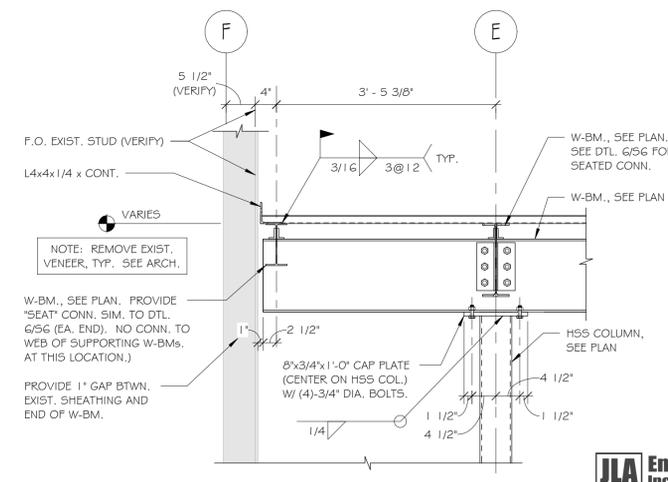
10 NEW ROOF DECK EDGE AT EXIST. FEATURE
3/4" = 1'-0"



11 EDGE ANGLE AT EXIST. BUMPOUT
3/4" = 1'-0"



12 CANTILEVER W-BM. AT GRID 9
3/4" = 1'-0"



13 CANTILEVER W-BM. AT GRID 11
3/4" = 1'-0"



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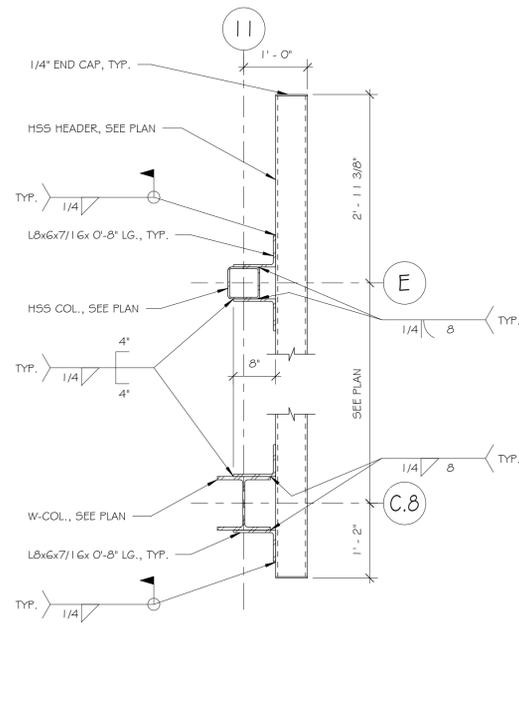
NWA PEDIATRICS ADDITION
 3730 S PINNACLE HILLS PKWY #3
 ROGERS, AR 72768
 MANA
 3383 N MANA CT, SUITE 201
 FAYETTEVILLE, AR 72703

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02/23/26	LCG
PROJECT #	CHECKED BY
2438	LCG
SHEET	FRAMING DETAILS
S5	

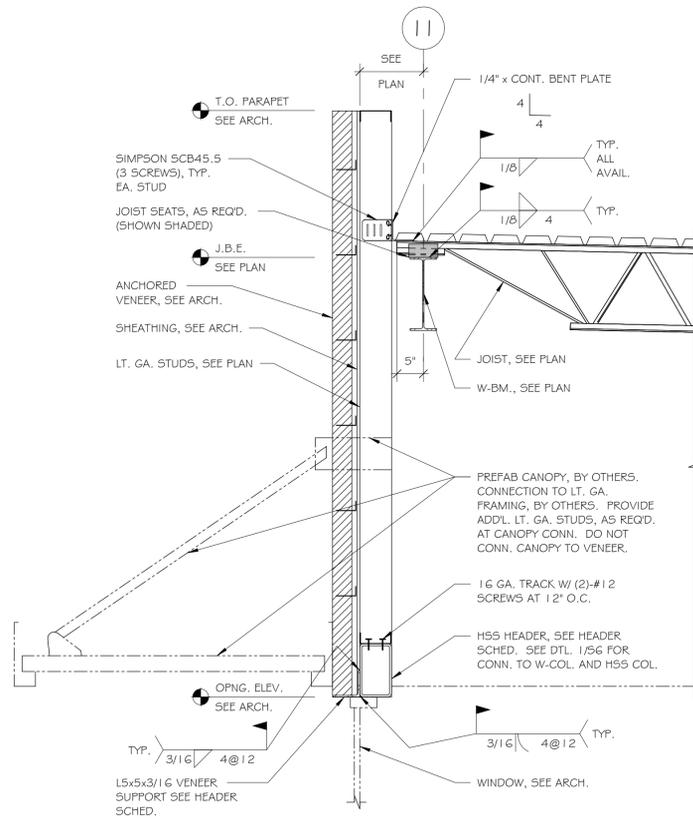


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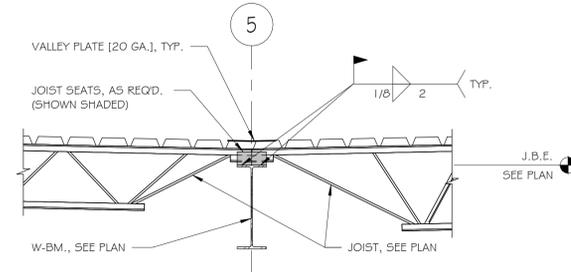
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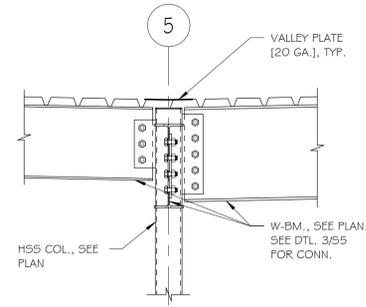
1 PLAN AT HSS HEADER CONN. TO COLS.
3/4" = 1'-0"



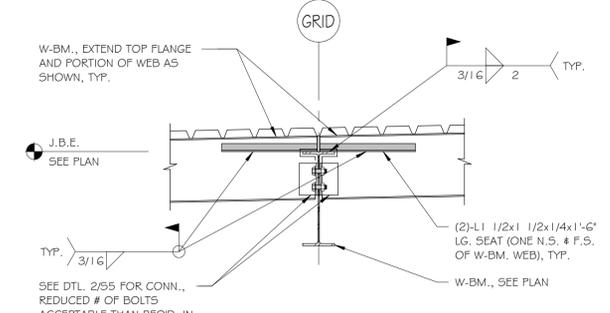
2 SECTION AT HSS HEADER
3/4" = 1'-0"



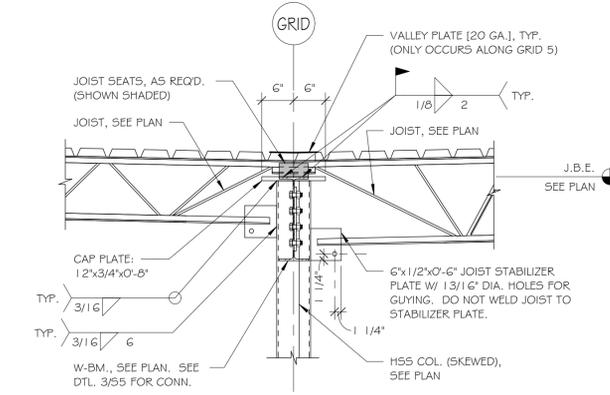
4 TYP. JST./W-BM. CONN. AT VALLEY
3/4" = 1'-0"



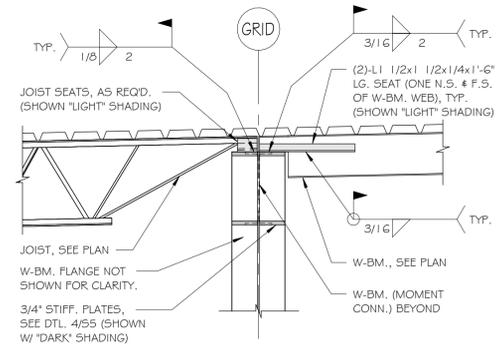
3 TYP. W-BM. CONN. TO HSS COL. AT VALLEY
3/4" = 1'-0"



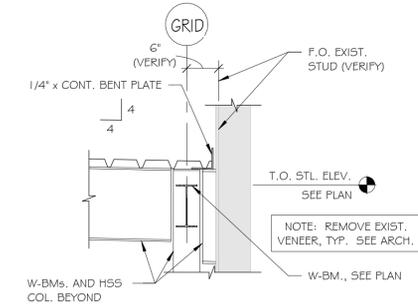
6 TYP. W-BM. CONN AT GIRDER
3/4" = 1'-0"



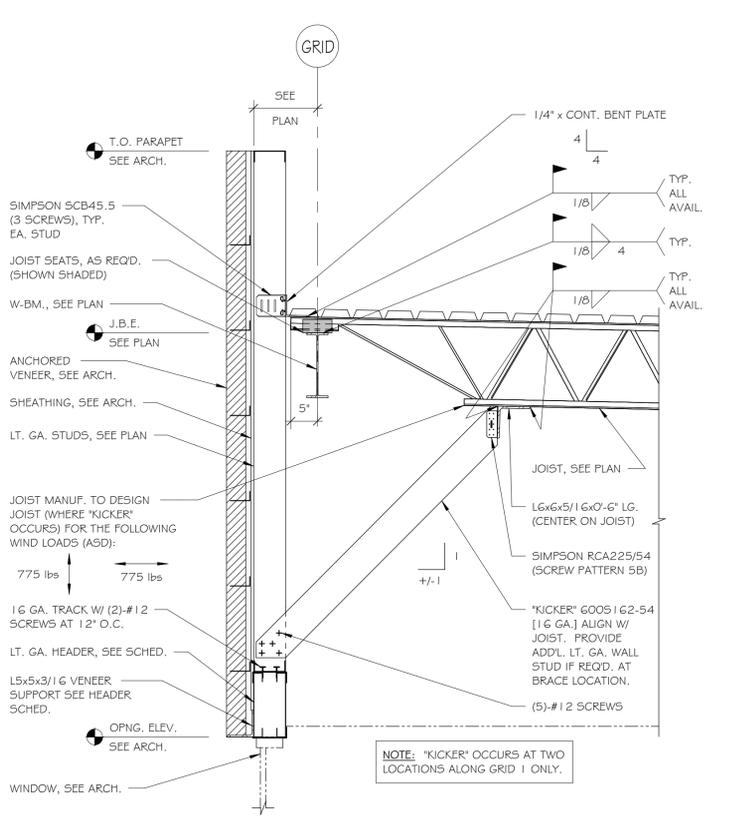
5 TYP. JOIST/HSS COL. CONN.
3/4" = 1'-0"



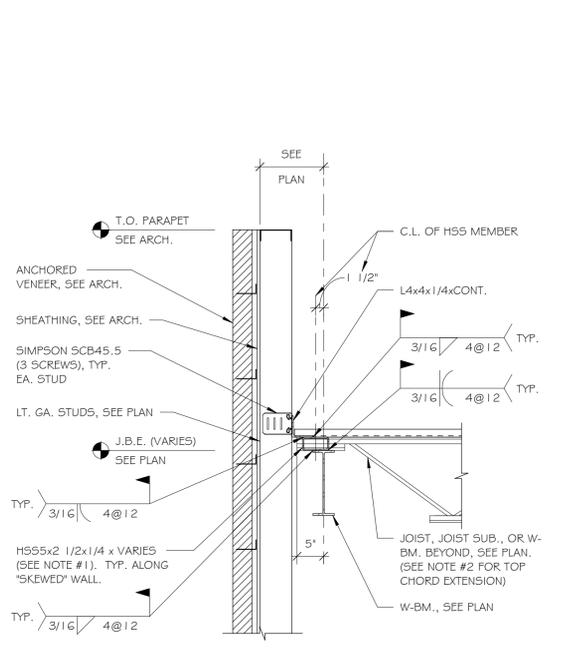
8 TYP. JOIST BRG. AT W-COL.
3/4" = 1'-0"



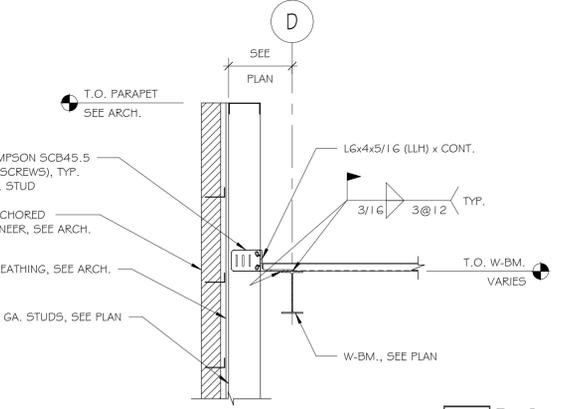
7 NEW DECK AT EXIST. BUMPOUT
3/4" = 1'-0"



9 TYP. WALL SECTION AT ROOF
3/4" = 1'-0"



10 TYP. W-BM./JOIST CONN. AT SKEWED WALL
3/4" = 1'-0"



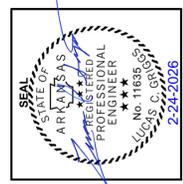
11 SIDE WALL AT GRID D
3/4" = 1'-0"

NOTES:
1. PROVIDE HSS MEMBER BETWEEN EA. JOIST, JOIST SUB., AND W-BM. ALONG EA. 'SKEWED' WALL. PROVIDE 2" MAX. GAP BTWN. END OF HSS AND EDGE OF JOIST (JOIST SUB./W-BM.) AT EA. END OF HSS.
2. PROVIDE 5" TOP CHORD EXTENSION (FROM C.L. OF GIRDER BEAM) AT JOISTS, JOIST SUB., AND TOP CHORD EXTENSION OF W-BM. (SIM. TO DTL. 6/56 W/ DBL. ANGLE SEAT CONN.).

NOTE: AT ALL LOCATIONS WHERE JOIST OR JOIST SUB. CONN. TO W-COL., PROVIDE CONNECTION AS SHOWN ABOVE.

NOTE: 'KICKER' OCCURS AT TWO LOCATIONS ALONG GRID 1 ONLY.

NOTE: REMOVE EXIST. VENEER, TYP. SEE ARCH.



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2438	LCG

SHEET
S6
 FRAMING DETAILS



STATEMENT OF SPECIAL INSPECTIONS (STRUCTURAL)

GENERAL INFORMATION

This Schedule of Special Inspection Services (Structural) has been prepared by JJA Engineers Inc. (Structural Engineer of Record) and shall be included in the Statement of Special Inspections which the "Registered Design Professional In Responsible Charge" (not JJA Engineers Inc.) shall submit to the Building Official at time of permit application in accordance with Section 1704 of the 2021 Arkansas Fire Prevention Code.

Special Inspection is the monitoring of the materials and workmanship critical to the integrity of the building structure. It is a review of the work of the contractors and their employees to ensure that the approved plans and specifications are being followed and that the relevant codes and referenced standards are being observed. The Special Inspection process is in addition to the inspections conducted by the Building Official or authority having jurisdiction and Structural Observation by the Design Professional.

Special inspections and tests are required to be performed by qualified, independent agents with special expertise as approved by the Building Official. The qualified, independent agents shall be retained by the owner to complete the special inspections noted in this document. Refer to Chapter 17 of the 2021 Arkansas Fire Prevention Code.

Special Inspections per 2021 Arkansas Fire Prevention Code Section 1704 are required to be provided on all professionally designed projects not meeting the exceptions described in Section 1704.2 or as determined by the Building Official.

As part of the general requirements Section 1704 of the 2021 Arkansas Fire Prevention Code, Special Inspections, Contractor Responsibility and Structural Observations, a Statement of Special Inspections including a Schedule of Special Inspection Services prepared by the Registered Design Professional in Responsible Charge (not JJA Engineers Inc.) shall be submitted to the Building Official at time of permit application.

1704.2.5 INSPECTION OF FABRICATORS			
MATERIAL/ACTIVITY	SERVICE	Y/N	EXTENT
Verify fabrication/quality control procedures	In-plant review (3)	Y	Periodic

1705.2 STEEL CONSTRUCTION			
MATERIAL / ACTIVITY	SERVICE	Y/N	EXTENT
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, chapter N, paragraph 3.2 for compliance with construction documents)	Submittal Review	Y	Each submittal
2. Material verification of structural steel	Shop (3) and field inspection	Y	Periodic
3. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)	Field inspection	Y	Periodic
4. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents	Field inspection	Y	Periodic
5. Structural steel welding (Inspection tasks prior to welding)			
a. Welding procedure specifications (WPSs) available	Submittal Review	Y	Perform (4)
b. Manufacturer certifications for welding consumables available	Submittal Review	Y	Perform (4)
c. Material identification (type/grade)	Shop (3) and field inspection	Y	Observe (4)
d. Welder identification system (G)	Shop (3) and field inspection	Y	Observe (4)
e. Fit-up of groove welds (including joint geometry): Joint preparation; Dimensions (alignment, root opening, root face, bevel); Cleanliness (condition of steel surfaces); Tacking (tack weld quality and location); Backing type and fit (if applicable)	Shop (3) and field inspection	Y	Observe (4)
f. Configuration and finish of access holes	Shop (3) and field inspection	N	Observe (4)
g. Fit-up of fillet welds: Dimensions (alignment, gaps at root); Cleanliness (condition of steel surfaces); Tacking (tack weld quality and location)	Shop (3) and field inspection	Y	Observe (4)
6. Structural steel welding (Inspection tasks during welding)			
a. Use of qualified welders	Shop (3) and field inspection	Y	Observe (4)
b. Control and handling of welding consumables: Packaging; Exposure control	Shop (3) and field inspection	Y	Observe (4)
c. No welding over cracked tack welds	Shop (3) and field inspection	Y	Observe (4)
d. Environmental conditions: Wind speed within limits; Precipitation and temperature	Shop (3) and field inspection	Y	Observe (4)
e. WPS followed: Settings on welding equipment; Travel speed; Selected welding materials; Shielding gas type/flow rate; Preheat applied; Interpass temperature maintained (min./max.); Proper position (F, V, H, OH)	Shop (3) and field inspection	Y	Observe (4)
f. Welding techniques: Interpass and final cleaning; Each pass within profile limitations; Each pass meets quality requirements	Shop (3) and field inspection	Y	Observe (4)
7. Structural steel welding (Inspection tasks after welding)			
a. Welds cleaned	Shop (3) and field inspection	Y	Observe (4)
b. Size, length and location of welds	Shop (3) and field inspection	Y	Perform (4)
c. Welds meet visual acceptance criteria: Crack prohibition; Weld/base-metal fusion; Crater cross section; Weld profiles; Weld size; Undercut; Porosity	Shop (3) and field inspection	Y	Perform (4)
d. Arc strikes	Shop (3) and field inspection	Y	Perform (4)
e. k-area (7)	Shop (3) and field inspection	Y	Perform (4)

1705.2 STEEL CONSTRUCTION (CONTINUED)			
MATERIAL / ACTIVITY	SERVICE	Y/N	EXTENT
f. Backing removed and weld tabs removed (if required)	Shop (3) and field inspection	Y	Perform (4)
g. Repair activities	Shop (3) and field inspection	Y	Perform (4)
h. Document acceptance or rejection of welded joint or member	Shop (3) and field inspection	Y	Perform (4)
8. Nondestructive testing (NDT) of welded joints:		Y	
a. Complete penetration groove welds 5/16" or greater in risk category III or IV	Shop (3) or field ultrasonic testing - 100%	N	Periodic
b. Complete penetration groove welds 5/16" or greater in risk category II	Shop (3) or field ultrasonic testing - 10% of welds minimum	Y	Periodic
c. Thermally cut surfaces of access holes when the flange thickness exceeds 2" for rolled shapes, or when the web thickness exceeds 2" for built-up shapes.	Shop (3) or field magnetic Particle or Penetrant testing	N	Periodic
d. Welded joints subject to fatigue when required by AISC 360, Appendix 3, Table A-3.1	Shop (3) or field radiographic or Ultrasonic testing	Y	Periodic
e. Fabricator's NDT reports when fabricator performs NDT	Verify reports	Y	Each submittal (5)
9. Structural steel bolting (Inspection tasks prior to bolting)			
a. Manufacturer's certifications available for fastener materials	Shop (3) and field inspection	Y	Perform (4)
b. Fasteners marked in accordance with ASTM requirements	Shop (3) and field inspection	Y	Observe (4)
c. Proper fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	Shop (3) and field inspection	Y	Observe (4)
d. Proper bolting procedure selected for joint detail	Shop (3) and field inspection	Y	Observe (4)
e. Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	Shop (3) and field inspection	Y	Observe (4)
f. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used			
1) Snug-tight joints	Shop (3) and field inspection	Y	Observe (4)
2) Pre-tensioned and slip-critical joints	Shop (3) and field inspection	Y	Observe (4)
g. Proper storage provided for bolts, nuts, washers and other fastener components	Shop (3) and field inspection	Y	Observe (4)
10. Structural steel bolting (Inspection tasks during bolting)			
a. Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required			
1) Snug-tight joints	Field inspection	Y	Observe (4)
2) Pre-tensioned and slip-critical joints	Field inspection	Y	Observe (4)
b. Joint brought to the snug-tight condition prior to the pretensioning operation			
1) Snug-tight joints	Field inspection	Y	Observe (4)
2) Pre-tensioned and slip-critical joints			
a) Turn-of-nut with matching markings	Field inspection	Y	Observe (4) (8)
b) Direct tension indicator	Field inspection	Y	Observe (4) (8)
c) Twist-off type tension control bolt	Field inspection	Y	Observe (4) (8)
d) Turn-of-nut without matching markings	Field inspection	Y	Observe (4) (9)
e) Calibrated wrench	Field inspection	Y	Observe (4) (9)
c. Fastener component not turned by the wrench prevented from rotating	Field inspection	Y	Observe (4)
d. Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	Field inspection	Y	Observe (4)
11. Structural steel bolting (Inspection tasks after bolting)			
a. Document acceptance or rejection of bolted connections		Y	Perform (4)
12. Inspection of steel elements of composite construction prior to concrete placement			
a. Placement and installation of steel deck (10)	Field inspection	N	Perform (4)
b. Placement and installation of steel headed stud anchors (11)	Field inspection	N	Perform (4)
c. Document acceptance or rejection of steel elements		N	Perform (4)

1705.2.2 COLD-FORMED STEEL DECK			
MATERIAL / ACTIVITY	SERVICE	Y/N	EXTENT
1. Inspection or execution tasks prior to deck placement:			
a. Verify compliance of materials (deck and all deck accessories) with construction documents, including profiles, material properties, and base metal thickness.	Submittal Review	Y	Perform (12)
b. Document acceptance or rejection of deck and deck accessories.	Submittal Review	Y	Perform (12)
2. Inspection or execution of tasks after deck placement:			
a. Verify compliance of deck and all deck accessories installation with construction documents.	Field inspection	Y	Perform (12)
b. Verify deck materials are represented by the mill certifications that comply with the construction documents.	Field inspection	Y	Perform (12)
c. Document acceptance or rejection of installation of deck and deck accessories.	Field inspection	Y	Perform (12)
3. Inspection or execution tasks prior to welding:			
a. Welding procedure specifications (WPS) available.	Submittal Review	Y	Observe (12)
b. Manufacturer certifications for welding consumables available.	Submittal Review	Y	Observe (12)
c. Material identification (type/grade).	Field inspection	Y	Observe (12)
d. Check welding equipment.	Field inspection	Y	Observe (12)
4. Inspection or execution tasks during welding:			
a. Use of qualified welders.	Field inspection	Y	Observe (12)
b. Control and handling of welding consumables.	Field inspection	Y	Observe (12)
c. Environmental conditions (wind speed, moisture, temperature).	Field inspection	Y	Observe (12)
d. WPS followed	Field inspection	Y	Observe (12)
5. Inspection or execution tasks after welding:			
a. Verify size and location of welds, including support, sidelap, and perimeter welds.	Field inspection	Y	Perform (12)
b. Welds meet visual acceptance criteria.	Field inspection	Y	Perform (12)
c. Verify repair activities.	Field inspection	Y	Perform (12)
d. Document acceptance or rejection of welds.	Field inspection	Y	Perform (12)
6. Inspection or execution tasks prior to mechanical fastening:			
a. Manufacturer installation instructions available for mechanical fasteners.	Submittal Review	Y	Observe (12)
b. Proper tools available for fastener installation.	Field inspection	Y	Observe (12)
c. Proper storage for mechanical fasteners.	Field inspection	Y	Observe (12)
7. Inspection or execution tasks during mechanical fastening:			
a. Fasteners are positioned as required.	Field inspection	Y	Observe (12)
b. Fasteners are installed in accordance with manufacturer's instructions.	Field inspection	Y	Observe (12)
8. Inspection or execution tasks after mechanical fastening:			
a. Check spacing, type, and installation of support fasteners.	Field inspection	Y	Perform (12)
b. Check spacing, type, and installation of sidelap fasteners.	Field inspection	Y	Perform (12)
c. Check spacing, type, and installation of perimeter fasteners.	Field inspection	Y	Perform (12)
d. Verify repair activities.	Field inspection	Y	Perform (12)
e. Document acceptance or rejection of mechanical fasteners.	Field inspection	Y	Perform (12)

1705.2.3 OPEN-WEB STEEL JOISTS AND JOIST GIRDERS			
MATERIAL/ACTIVITY	SERVICE	Y/N	EXTENT
1. Installation of open-web steel joists and joist girders.			
a. End connections - welding or bolted.	Field inspection	Y	Periodic
b. Bridging - horizontal or diagonal.			
1. Standard bridging.	Field inspection	Y	Periodic
2. Bridging that differs from the SJ specifications listed in Section 2207.1.	Field inspection	Y	Periodic



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STATEMENT OF SPECIAL INSPECTIONS (STRUCTURAL) CONT.

1705.3 CONCRETE CONSTRUCTION			
MATERIAL / ACTIVITY	SERVICE	YN	EXTENT
1. Inspect reinforcement, including prestressing tendons, and verify placement.	Shop (3) and field inspection	Y	Periodic
2. Reinforcing bar welding:			
a. Verify weldability of reinforcing bars other than ASTM A706.	Field inspection	N	Periodic
b. Inspect single-pass fillet welds, maximum 5/16".	Field inspection	N	Periodic
c. Inspect all other welds.	Field inspection	N	Continuous
3. Inspect anchors cast in concrete.	Field inspection	Y	Periodic
4. Inspect anchors post-installed in hardened concrete members. Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with 17.8.2 in ACI 318, or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.			
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	Field inspection	N	Continuous
b. Mechanical anchors and adhesive anchors not defined in 4.a.	Field inspection	Y	Periodic
5. Verify use of approved design mix.	Shop (3) and field inspection	Y	Periodic
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Field inspection	Y	Continuous
7. Inspect concrete and shotcrete placement for proper application techniques.	Field inspection	Y	Continuous
8. Verify maintenance of specified curing temperature and techniques.	Shop (3) and field inspection	Y	Periodic
9. Inspection of prestressed concrete for:			
a. Application of prestressing forces	Field inspection	N	Continuous
b. Grouting of bonded prestressing tendons.	Field inspection	N	Continuous
10. Inspect erection of precast concrete members	Field inspection	N	Periodic
11. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs	Field inspection	Y	Periodic
12. Inspection of formwork for shape, location and dimensions of the concrete member being formed.	Field inspection	Y	Periodic

1705.6 SOILS			
MATERIAL / ACTIVITY	SERVICE	YN	EXTENT
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Field inspection	Y	Periodic
2. Verify excavations are extended to proper depth and have reached proper material.	Field inspection	Y	Periodic
3. Perform classification and testing of compacted fill materials.	Field inspection	Y	Periodic
4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of compacted fill	Field inspection	Y	Continuous
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly	Field inspection	Y	Periodic

FOOTNOTES
<p>Notes (all notes may not be applicable for this project):</p> <p>1. The inspection and testing agent(s) shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. The qualifications of the Special Inspector(s) and/or testing agencies may be subject to the approval of the Building Official and/or the Design Professional.</p> <p>2. The list of Special Inspectors may be submitted as a separate document, if noted so above.</p> <p>3. Special Inspections as required by Section 1704.2.5 are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.1</p> <p>4. Observe on a random basis, operations need not be delayed pending these inspections. Perform these tasks for each welded joint, bolted connection, or steel element.</p> <p>5. NDT of welds completed in an approved fabricator's shop may be performed by that fabricator when approved by the AHJ. Refer to AISC 360, N7.</p> <p>6. The fabricator of erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type.</p> <p>7. When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. (75 mm) of weld.</p> <p>8. QAI (quality assurance inspector) need not be present during the installation of fasteners when these methods are used by the installer.</p> <p>9. QAI (quality assurance inspector) shall be engaged in their assigned inspection duties during installation of fasteners when these methods are used by the installer.</p> <p>10. Refer to AISC 360, N6 for additional information regarding welding of steel deck or steel deck attached by fastening systems other than welding.</p> <p>11. For welding of steel headed stud anchors, the provisions of AWS D1.1/D1.1M, Structural Welding Code - Steel, apply.</p> <p>12. "Observe" shall mean to inspect these items on an intermittent basis. Operations need not be delayed pending these inspections. "Perform" shall mean to perform these tasks prior to final acceptance for each item or element.</p>
<p>Are Requirements for Seismic Resistance included in the Statement of Special Inspections? NO</p> <p>Are Requirements for Wind Resistance included in the Statement of Special Inspections? NO</p>

JLA ENGINEERS INC. DOES NOT PERFORM SPECIAL INSPECTIONS



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 3730 S PINNACLE HILLS PKWY #3
 ROGERS, AR 72768

MANA
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 FAYETTEVILLE, AR 72703

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 SPECIAL INSPECTIONS

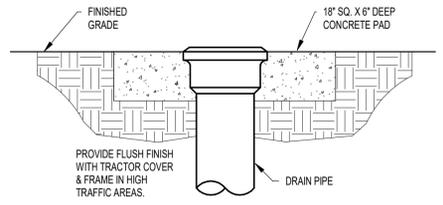
JLA Engineers Incorporated
 STRUCTURAL CONSULTANTS

P.O. BOX 13
 TONTITOWN, AR 72770
 TELEPHONE: (479) 770-6650
 JLA JOB #3245

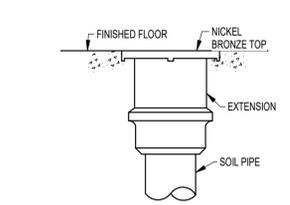
CERTIFICATE OF AUTHORIZATION
 JLA ENGINEERS INCORPORATED
 No. 1594
 ARKANSAS

PLUMBING DRAIN KEYED NOTES

- 1 CONVERT EXISTING CLEAN OUT TO GRADE TO FLOOR CLEAN OUT. EXTEND/ MODIFY EXISTING AS REQUIRED.
- 2 COMBINATION WASTE/VENT. 3" FIXTURE DRAIN CONNECTED TO 2" P-TRAP



3 CLEAN OUT TO GRADE
 SCALE: N.T.S.



2 FLOOR CLEAN OUT
 SCALE: N.T.S.

1 PLUMBING DRAIN PLAN
 SCALE: 1/4" = 1'-0"

KEY ARCHITECTURE INC.
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Revision Schedule	Description
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 PLUMBING DRAIN PLAN

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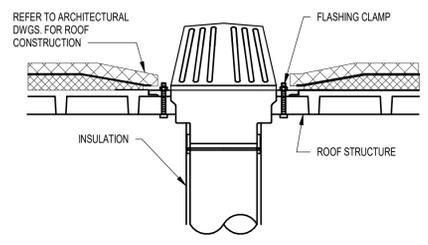
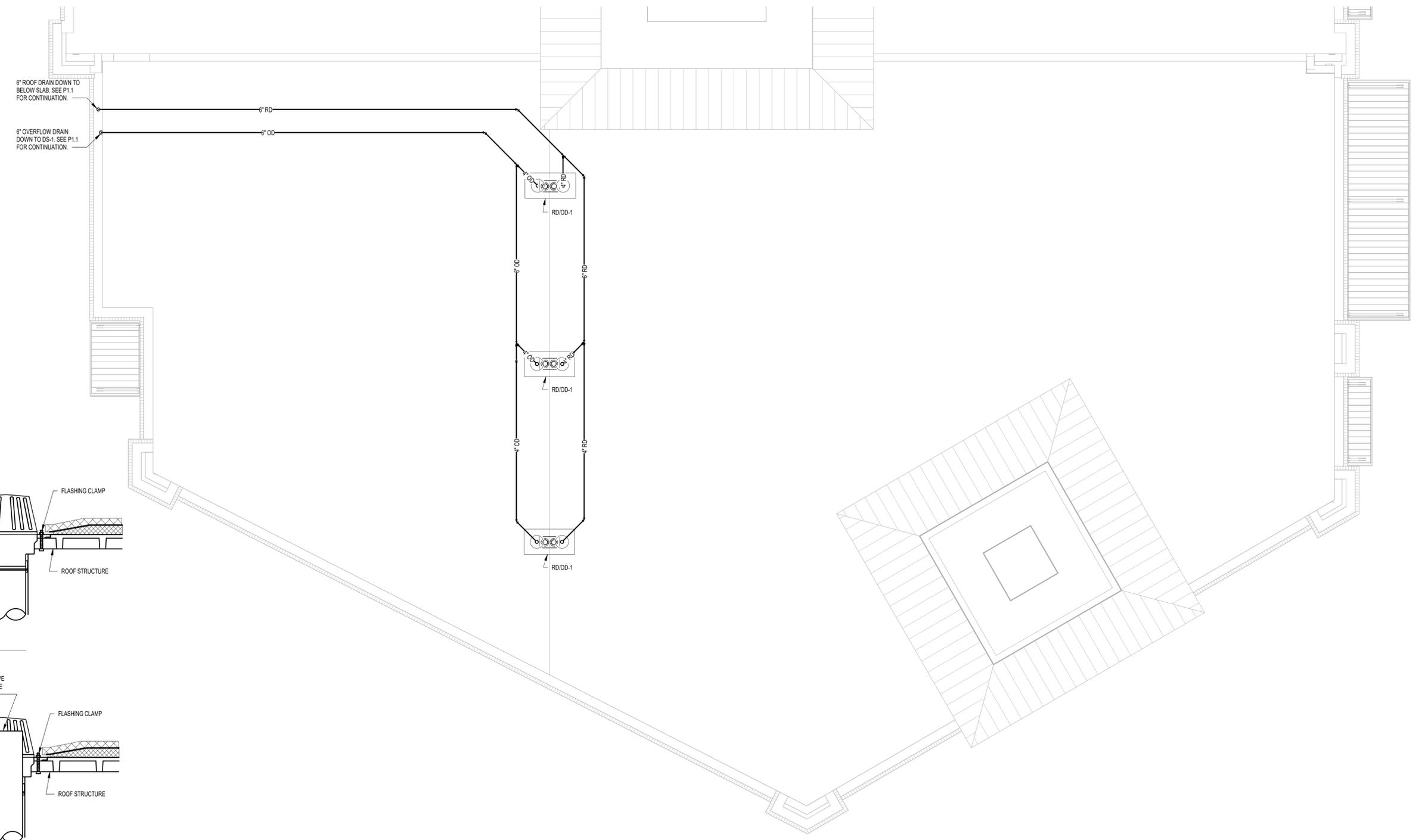
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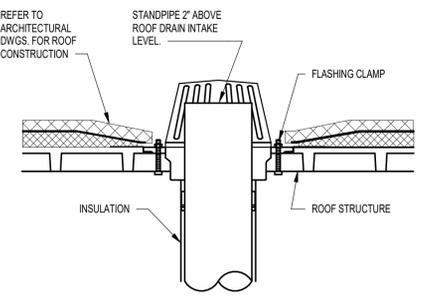
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 PLUMBING DRAIN ROOF PLAN

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3 ROOF DRAIN
 SCALE: N.T.S.

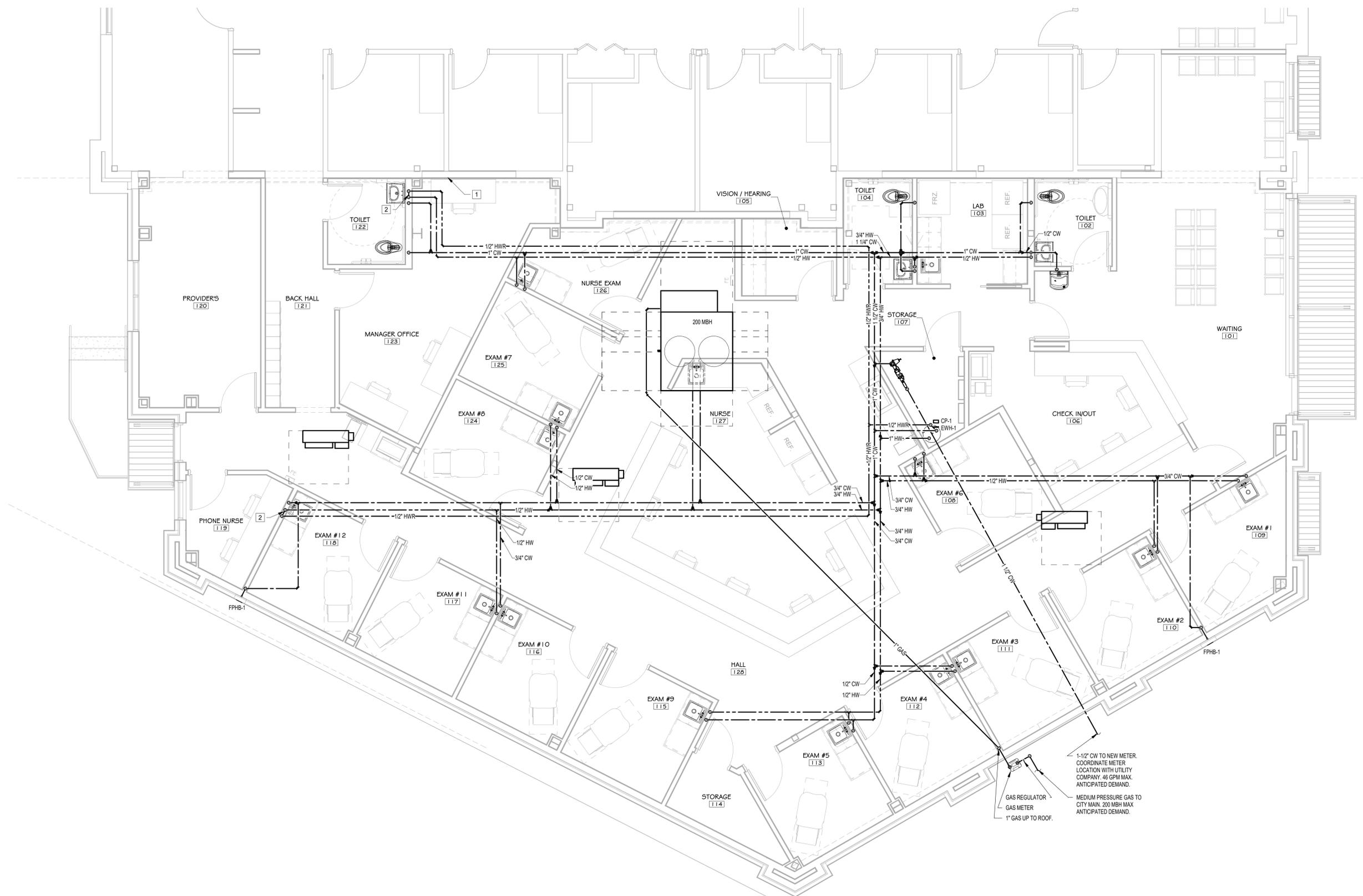


2 OVERFLOW DRAIN
 SCALE: N.T.S.

1 PLUMBING DRAIN ROOF PLAN
 SCALE: 1/4" = 1'-0"



- # PLUMBING SUPPLY KEYED NOTES**
- 1 DEMOLISH EXISTING FPHB AND ALL ASSOCIATED PIPING TO REMOVE DEAD LEG.
 - 2 INSTALL A THERMOSTATIC BALANCING VALVE EQUAL TO CIRCUITSOLVER.



1 PLUMBING SUPPLY PLAN
 SCALE: 1/4" = 1'-0"

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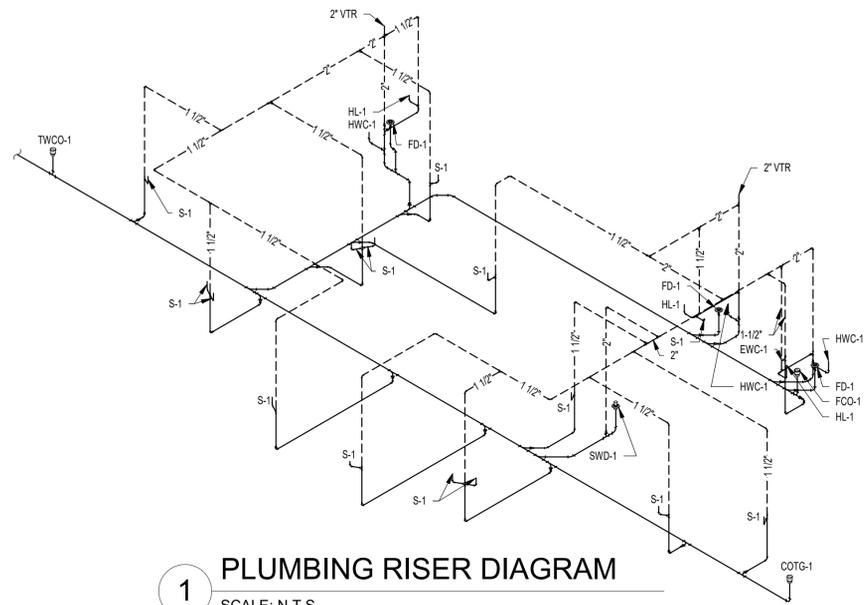
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 PLUMBING SUPPLY PLAN

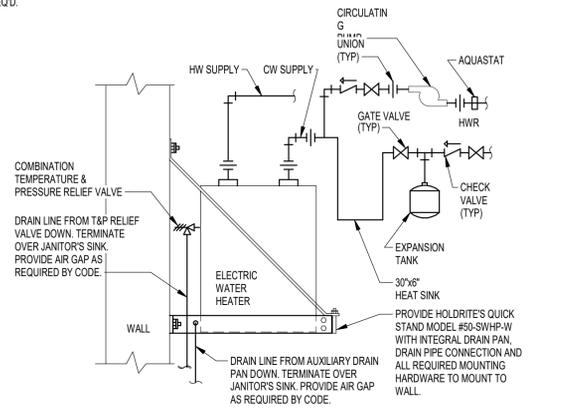
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GENERAL PLUMBING NOTES

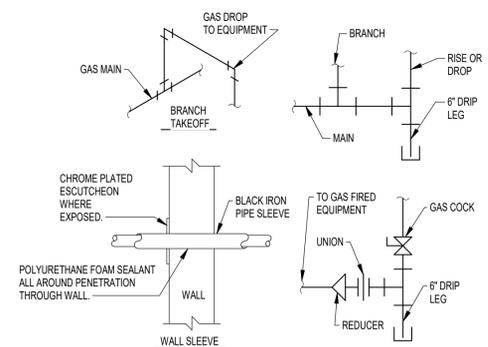
- CAREFULLY EXAMINE SITE & ARCHITECTURAL PLANS TO BE THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS. VERIFY & COORD EXACT LOC OF ALL EQUIP, FIXTURES, PIPING, ETC WITH ALL OTHER TRADES. REVIEW ARCH ELEVATIONS & DWGS FOR EXACT DIMS.
- PROVIDE ALL ESSENTIAL MAT'L'S FOR COMPLETION OF PLUMBING WORK TO MAKE THE SYSTEM READY FOR OPERATION, INCLUDING ALL WORK & MATERIALS NOT DIRECTLY SHOWN ON DWGS & SPECS, BUT NECESSARY FOR PROPER OPERATION.
- ALL WORK SHALL COMPLY WITH APPLICABLE PLUMBING CODES, REQUIREMENTS OF THE STATE HEALTH DEPARTMENT AND LOCAL ORDINANCES.
- PLUMBING SUPPLY & DRAIN PLANS ARE DIAGRAMMATICAL IN NATURE. REGARDLESS OF HOW SHOWN ON THE PLANS, CONTRACTOR TO INSTALL ALL PIPING IN A CONCEALED LOCATION UNLESS OTHERWISE DIRECTED. THE FINAL LAYOUT SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS WITH ALL MEASUREMENTS VERIFIED AT THE SITE & COORDINATED WITH OTHER DISCIPLINES. DURING CONSTRUCTION, ANY CONFLICT BETWEEN ARCHITECTS INTENT & THE CONTRACTOR'S INTERPRETATION OF PLUMBING PLANS SHALL BE RESOLVED SO AS TO MAINTAIN THE ARCHITECT'S AESTHETIC EXPECTATIONS OF THE PROJECT. DESIGN & ROUTING OF THE PLUMBING SYSTEMS ARE LIMITED TO THE PIPING & FITTINGS AVAILABLE WITHIN REVIT. SPECIAL PIPING & FITTINGS CAN BE USED IN THE FIELD TO SIMPLIFY OVERALL DESIGN.
- INSTALL WATER HAMMER ARRESTOR AT ALL QUICK-CLOSING VALVES & AT END OF EACH BRANCH ON HOT & COLD WATER PIPING. ALSO, PROVIDE AN ARRESTOR AT EACH BATTERY OF WATER CLOSETS & AT OTHER FIXTURES OR EQUIPMENT AS DIRECTED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE ISOLATION VALVES TO SERVE EACH SET OF COLD & HOT WATER RISERS. PROVIDE ISOLATION VALVES TO SERVE EACH SET OF TOILET ROOMS & AT ALL EQUIPMENT. PROVIDE THERMOSTATIC MIXING VALVES SET TO 110° AT EACH PUBLIC HAND WASHING FIXTURE THAT REQUIRES HOT WATER. PROVIDE SHUT-OFF STOPS FOR EACH PLUMBING FIXTURE INSTALLED. AN ACCESS PANEL SHALL BE PROVIDED AS REQUIRED TO ALLOW ACCESS TO ALL VALVES INSTALLED IN A CONCEALED LOCATION. AVOID INSTALLING ANY MAINTENANCE ITEMS ABOVE HARD CEILING UNLESS ACCESS IS PROVIDED.
- ALL PIPING AT VALVE PORTION OF FREEZE PROOF HOSE BIBBS SHALL BE INSIDE THE INSULATION. PROVIDE AN ISOLATION VALVE. SEAL AIR TIGHT AT SHEATHING PENETRATION.
- MOUNT ALL FLUSH CONTROLS FOR HANDICAPPED WATER CLOSETS ON THE OPEN SIDE OF TOILET AREAS.
- ALL PIPING LOCATED ON THE ROOF SHALL BE ANCHORED AS DIRECTED BY THE ROOF MANUFACTURER WITH FASTENERS APPROVED BY THE ROOF MANUFACTURER.
- THE MINIMUM SIZE FLOOR DRAIN ON THIS PROJECT SHALL BE 2" UNLESS NOTED OTHERWISE ON THE DWGS. ALL DRAIN & VENT PIPING INSTALLED BELOW SLAB SHALL BE A MINIMUM 2".
- THE MINIMUM SLOPE FOR UP TO 2-1/2" DRAIN PIPING SHALL BE 1/4":1' & 3" TO 6" SHALL BE 1/8":1'.
- PROVIDE A CLEAN OUT AT ALL DEAD ENDS AND CHANGES IN DIRECTION GREATER THAN 45° FOR SANITARY DRAINAGE.
- MAKE PROVISIONS TO INSTALL ALL VENT THROUGH ROOF (VTR) ON THE BACK SIDE OF ALL ROOF RIDGES. THE OPEN VENT TERMINAL SHALL NOT BE LOCATED DIRECTLY BENEATH ANY DOOR, OPERABLE WINDOW, OR OTHER AIR INTAKE OPENING OF THE BUILDING OR AN ADJACENT BUILDING; ANY SUCH VENT TERMINAL SHALL NOT BE WITHIN 10' HORIZONTALLY OF SUCH AN OPENING UNLESS IT IS 3' OR MORE ABOVE THE TOP OF SUCH OPENING. COORD WITH OTHER TRADES. OFFSET AS REQ'D.
- CONTRACTOR TO REVIEW ALL PLAN SHEETS FOR FIXTURE TAGS.
- A JANITOR'S SINK IS IN A SHARED SPACE AND ACCESSIBLE TO TENANT.



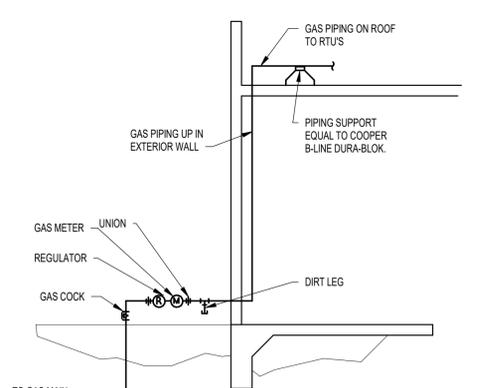
1 PLUMBING RISER DIAGRAM
SCALE: N.T.S.



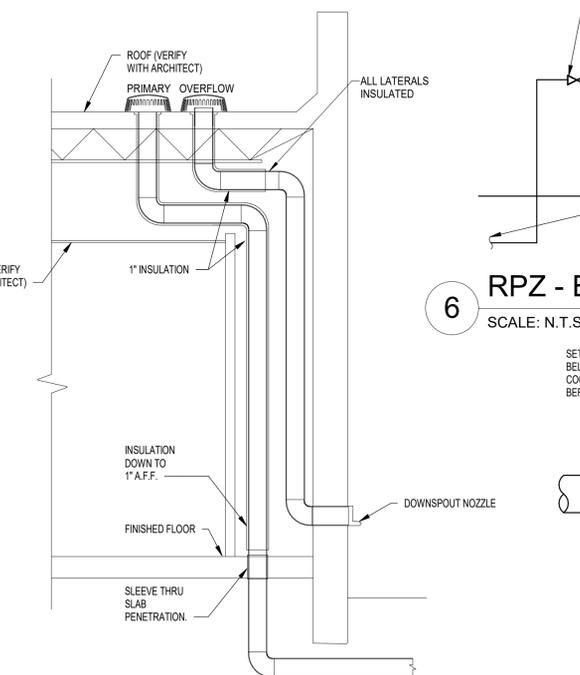
8 WH SHELF MOUNTED WITH CIRC PUMP
SCALE: N.T.S.



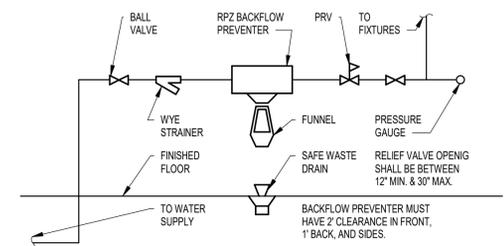
10 GAS PIPING
SCALE: N.T.S.



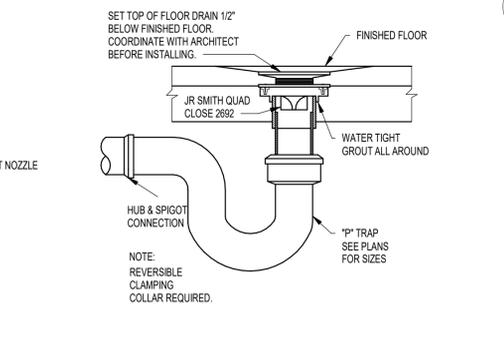
9 GAS RISER
SCALE: N.T.S.



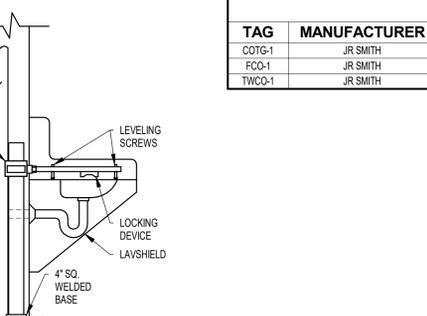
7 CONCEALED ROOF DRAIN DETAIL
SCALE: N.T.S.



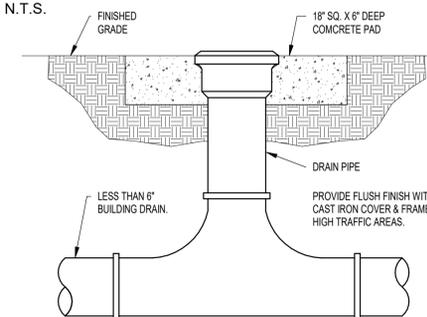
6 RPZ - BACKFLOW PREVENTER
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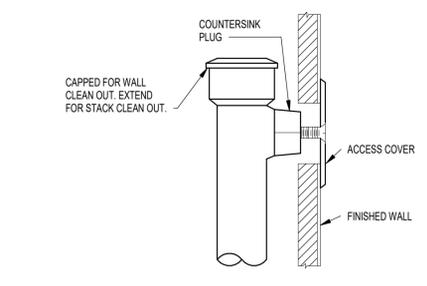
5 FLOOR DRAIN
SCALE: N.T.S.



4 LAVATORY SUPPORT
SCALE: N.T.S.



3 TWO-WAY CLEAN OUT
SCALE: N.T.S.



2 STACK CLEAN OUT
SCALE: N.T.S.

WATER CLOSET AND URINAL SCHEDULE				
TAG	MANUFACTURER	MODEL	DESCRIPTION	
HWC-1	AMERICAN STANDARD	3043.001	ADA FLOOR MOUNTED FLUSH VALVE, VITREOUS CHINA ELONGATED-RIM, WITH SLOANFLUSHMETER 111, AMERICAN STANDARD SEAT 5901.100.	

LAVATORY, SINK, AND SHOWER SCHEDULE					
TAG	MANUFACTURER	MODEL	DESCRIPTION	WATTS	VOLTS/PH
HL-1	AMERICAN STANDARD	3510	ADA WALL MOUNTED 20\"/>		
S-1	ELKAY	LR1726SC	STAINLESS STEEL DROP-IN SINGLE BOWL SINK WITH FAUCET, 17\"/>		

PLUMBING EQUIPMENT SCHEDULE					
TAG	MANUFACTURER	MODEL	DESCRIPTION	WATTS	VOLTS/PH
CP-1	BELL & GOSSETT	NBF-85LW	CIRCULATION PUMP. PROVIDE TIMER KIT TC-1 AND AQUASTAT. DESIGNED CONDITION FLOOR REQUIREMENT IS EQUAL TO 1 GPM AND 1.5 OF HEAD.	39 VA	115/1
EWC-1	ELKAY	L258W5LP	ELECTRIC WATER COOLER. SINGLE LEVEL WITH BOTTLE FILLER.	370 VA	115/1
EW-H-1	JR SMITH	ENLB-30	30 GALLON LOWBOY ELECTRIC WATER HEATER.	4500 VA	240/1
FPHB-1	JR SMITH	5508QT	BRONZE QUARTER TURN NON-FREEZE HYDRANT WITH HOSE CONNECTION, INTEGRAL VACUUM BREAKER, T HANDLE KEY, AND STAINLESS STEEL BOX.		
PRV-1	WATTS	LF223	1-1/2\"/>		
RPZ-1	WATTS	LF909M1-QT-FS-S	1-1/2\"/>		

DRAIN SCHEDULE				
TAG	MANUFACTURER	MODEL	DESCRIPTION	
DS-1	ZURN	Z-195-SS	DOWNSPOUT WITH REMOVABLE STAINLESS SCREEN (SS).	
SWD-1	JR SMITH	3510	CAST IRON BODY WITH SQUARE HEAD AND FUNNEL ATTACHED TO NICKEL GRATE. PROVIDE LOOSE GRATE. PROVIDE JR SMITH QUAD CLOSE TRAP SEAL 2892.	
FD-1	JR SMITH	2005B	DUCO CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD. PROVIDE JR SMITH QUAD CLOSE TRAP SEAL 2892.	
ROIOD-1	ZURN	Z163	1 1/2\"/>	

CLEAN OUT SCHEDULE				
TAG	MANUFACTURER	MODEL	DESCRIPTION	
COOTG-1	JR SMITH	4240	DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE NICKEL BRONZE TOP.	
FCO-1	JR SMITH	4100	DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE SCORLATED SECURED NICKEL BRONZE TOP.	
TWCO-1	JR SMITH	4240	DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE NICKEL BRONZE TOP.	

ROUGH-IN AND MOUNTING HEIGHT SCHEDULE					
FIXTURE	WASTE	VENT	COLD WATER	HOT WATER	INSTALLATION HEIGHT
WATER CLOSETS (FLUSH VALVE)	3"	2"	1"	----	STD 15" TO TOP OF SEAT ADA 17" TO TOP OF SEAT
LAVATORIES AND SINKS	1 1/2"	1 1/2"	1/2"	1/2"	STD 31" TO TOP OF RIM ADA 34" TO TOP OF RIM
DRINKING FOUNTAIN	1 1/2"	1 1/2"	1/2"	----	STD 40" TO TOP OF ORIFICE ADA 36" TO TOP OF ORIFICE
HOSE BIBB	----	----	3/4"	----	18" ABOVE GRADE OUTSIDE, 18" A.F.F. INSIDE
NOTE	ALL DRAIN AND VENT LINES BELOW SLAB SHALL BE 2" OR LARGER.				

MATERIALS SCHEDULE	
SERVICE	MATERIAL DESCRIPTION
UNDERGROUND SANITARY SEWER AND VENT PIPING INSIDE AND OUTSIDE BUILDING.	SCHEDULE 40 PVC PIPE AND FITTINGS.
ABOVE GROUND SANITARY SEWER AND VENT	SCHEDULE 40 PVC PIPE AND FITTINGS.
ABOVE GROUND DOMESTIC WATER	TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS AND 95-5 LEAD FREE SOLDER. SIL-FOS JOINTS ABOVE SLAB ARE NOT ALLOWED.
UNDERGROUND DOMESTIC WATER INSIDE AND OUTSIDE BUILDING	1" AND SMALLER: ASTM B88 TYPE "L" SOFT COPPER NO JOINTS OR FITTINGS UNDER SLAB. MAKE CONNECTIONS ABOVE SLAB WITH WROUGHT COPPER FITTINGS AND LEAD FREE SOLDER. 1-1/4" AND LARGER: ASTM B88 TYPE "L" HARD COPPER. WROUGHT COPPER FITTINGS. MAKE JOINTS WITH LOW HEAT WELDING SUCH AS SIL FOS, OR LOW HEAT ROD WELDING.
ABOVE GROUND GAS	SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON FITTINGS OR WELDED JOINTS WITH BUTT WELD FITTINGS. IF IN CONTACT WITH MATERIAL OR ATMOSPHERE EXERTING A CORROSIVE ACTION, METALLIC PIPING AND FITTINGS COATED WITH A CORROSION-RESISTANT MATERIAL SHALL BE USED.
STORM DRAIN PIPING, ROOF, AND OVERFLOW DRAIN ABOVE GROUND	SCHEDULE 40 PVC PIPE.
STORM DRAIN PIPING UNDERGROUND	SCHEDULE 40 PVC PIPE AND FITTINGS.

INSULATION SCHEDULE		
DESCRIPTION	TYPE	THICKNESS
DOMESTIC COLD AND HOT WATER PIPING ABOVE AND UNDER GROUND.	ELASTOMERIC	1/2"
ALL ABOVE GROUND ROOF DRAIN PIPING. SEE CONCEALED ROOF DRAIN DETAIL.	FIBERGLASS ASJ OR ELASTOMERIC	1"

EMA
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EMA Engineering & Consulting
Arkansas Firm Registration No. F-460
2438 East Main Street, Suite 1
Fayetteville, AR 72703
Phone: 479.605.3333
PROJECT NO. 25-163 COMPLETE 100%

CERTIFICATE OF AUTHORITY
EMA ENGINEERING & CONSULTING PLLC
No. 460
ARKANSAS ENGINEER

KEY ARCHITECTURE INC.
REGISTERED PROFESSIONAL ENGINEER
Arkansas
No. 02123181
SHANE R. LANNAN

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PLUMBING SCHEDULES AND DETAILS

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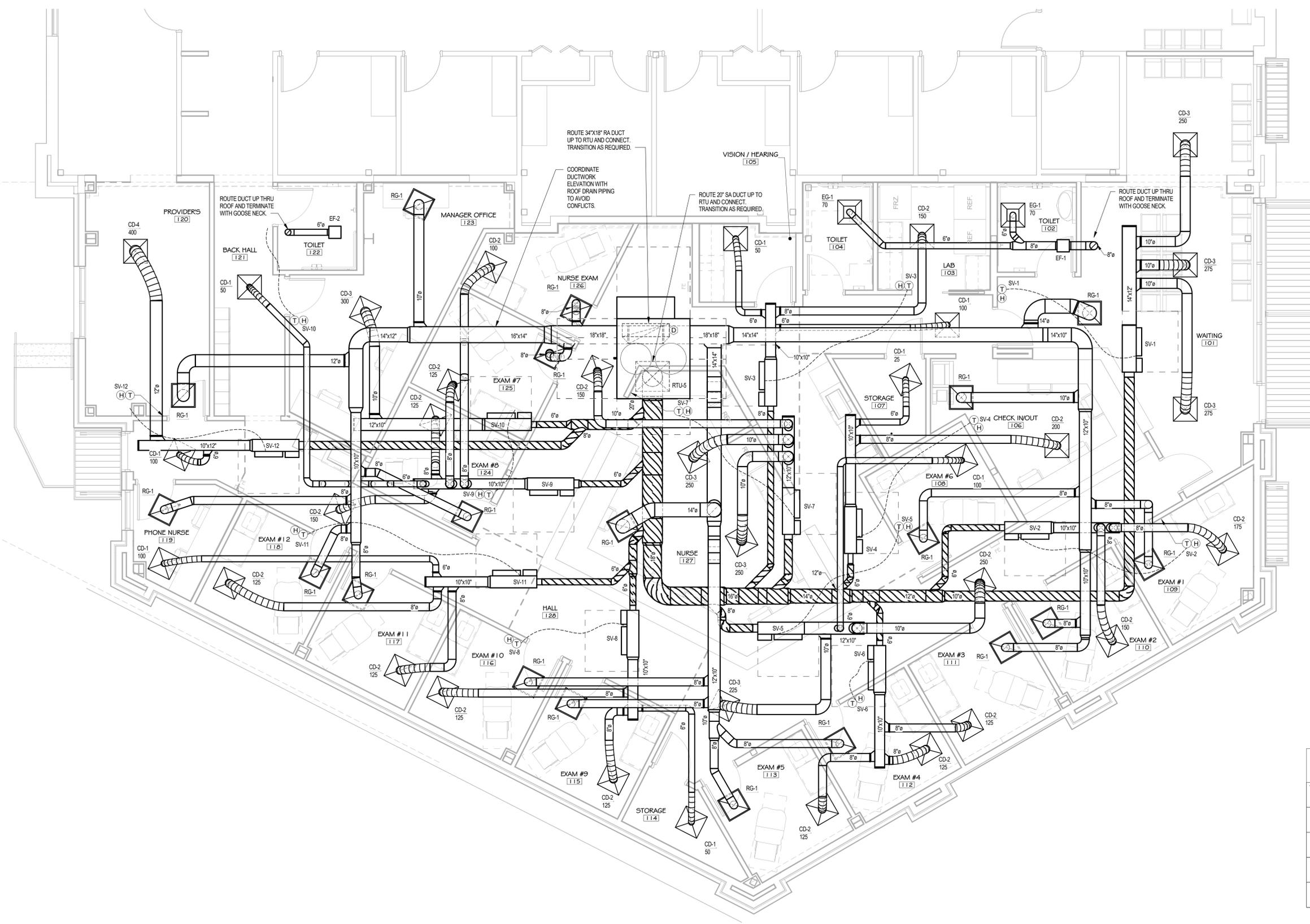
MECHANICAL NOTES

- THIS SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND REGULATIONS.
- PROVIDE ACCESS PANELS AT ALL CONCEALED DEVICES (DAMPERS, VALVES, ETC.) REQUIRING ACCESSIBILITY FOR OPERATION OR MAINTENANCE. COORDINATE ACCESS PANEL LOCATION WITH OTHER TRADES TO AVOID CONFLICTS. DO NOT INSTALL ANY MAINTENANCE ITEMS ABOVE HARD CEILINGS IF IT CAN BE AVOIDED. PROVIDE MINIMUM 12X12 ACCESS DOOR OR 18X18 IF PERSONNEL ACCESS IS REQUIRED.
- NO RIGID CONNECTIONS SHALL BE MADE BETWEEN SPRING MOUNTED EQUIPMENT AND THE STRUCTURE. ALL FANS SHALL BE CONNECTED TO DUCTS WITH FLEXIBLE SLEEVES AT LEAST 6" WIDE WITH SLACK. THE MECHANICAL SYSTEM SHALL OPERATE QUIETLY WITH ALL NOISE LEVELS BELOW ASHRAE RECOMMENDED GUIDELINES. PROVIDE CORRECTIVE ACTION TO REMOVE ALL OBJECTIONABLE NOISE AND VIBRATION.
- ALL DUCT RUNOUTS TO DIFFUSERS AND GRILLES SHALL CONSIST OF A 45° TAKEOFF FITTING AND VOLUME DAMPER. LOCATE THE DAMPERS IN AN ACCESSIBLE LOCATION AS FAR AS PRACTICAL FROM THE AIR DEVICE.
- ALL EQUIPMENT FURNISHED SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL DRAINS, VENTS, CONNECTIONS, VIBRATION ISOLATION, ETC. TO EQUIPMENT IN ACCORDANCE WITH SAID INSTRUCTIONS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE OPERATING SYSTEM. THIS INCLUDES ALL INCIDENTAL ITEMS, FITTINGS, HARDWARE AND CONNECTIONS NECESSARY FOR PROPER OPERATION EVEN IF THOSE ITEMS ARE NOT SPECIFICALLY INDICATED ON THE DRAWINGS.
- WHERE MOUNTING HEIGHTS ARE NOT SPECIFIED, INSTALL MECHANICAL SERVICES AND OVERHEAD EQUIPMENT TO PROVIDE MAXIMUM HEADROOM POSSIBLE.
- THESE DRAWINGS INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND ARE TO BE FOLLOWED INsofar AS POSSIBLE. THE CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES TO AVOID CONFLICT OR DELAY.
- ALL DUCT SIZES SHOWN ON THESE DRAWINGS ARE THE METAL DIMENSIONS. REFER TO MECHANICAL DUCTWORK AND INSULATION SCHEDULE FOR INSULATION REQUIREMENTS.
- PIPE CONDENSATE DRAINS FROM ALL AIR HANDLING UNITS TO NEAREST FLOOR DRAIN, ROOF DRAIN, TURN DOWN TO AN AIR GAP. DO NOT DISCHARGE ANY CONDENSATE DIRECTLY ONTO ROOF.
- ALL RUNOUT DUCT SIZES ON THE DRAWING SHALL BE THE SAME SIZE AS THE DIFFUSER NECK SIZE. REFER TO THE MECHANICAL SCHEDULE FOR ALL NECK SIZES PRIOR TO CONSTRUCTION.
- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE FINAL LOCATION OF ALL CEILING MOUNTED DEVICES. MOUNTING HEIGHTS AND FINAL LOCATIONS OF ALL WALL MOUNTED DEVICES SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
- THIS BUILDING CONTAINS A FIRE ALARM SYSTEM. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER OF THE EXISTING FIRE ALARM SYSTEM TO PROCURE NEW DUCT DETECTORS FOR THE PROJECT. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF NEW DUCT DETECTORS INCLUDING ALL CONDUIT AND WIRING. THE MECHANICAL CONTRACTOR SHALL INSTALL THE DUCT DETECTORS IN THE DUCTWORK AND SHALL PROVIDE CONTACTS FOR THE FIRE ALARM CONTROL CONNECTION FOR UNIT SHUTDOWN IN "ALARM" MODE. INSTALL DUCT DETECTORS IN THE RETURN DUCT OF ALL AIR HANDLING UNITS SUPPLYING 2000 CFM OF AIR OR GREATER.
- UNLESS OTHERWISE NOTED, SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH INDUSTRY-ACCEPTED PROCEDURES TO WITHIN 10% OF DESIGN AIRFLOW RATES.
- ALL DEVICES TO BE INSTALLED BY THIS TRADE SHALL BE COORDINATED WITH ALL TRADES (ARCHITECTURAL, MILLWORK, MECHANICAL, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, ETC.) DURING CONSTRUCTION TO AVOID CONFLICTS AND TO PROVIDE A QUALITY PROJECT. IF YOU NOTICE ANY DISCREPANCY BETWEEN THIS WORK AND A SEPARATE TRADE, NOTIFY THE ENGINEER IMMEDIATELY FOR DIRECTION. ANY COORDINATION WORK THAT OCCURS WITHOUT APPROVAL FROM THE ENGINEER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL MOUNTING HEIGHTS SHALL BE CONFIRMED WITH ARCHITECTURAL ELEVATIONS IN EACH ROOM.
- PROVIDE A RADIUS ELBOW ON ALL RECTANGULAR FITTINGS WITH ASPECT RATIO RW=1. IF RADIUS ELBOW IS NOT PRACTICAL OR CREATES CONFLICT, THEN INSTALL TURNING VANES IN FITTING. USE ACOUSTIC STYLE PERFORATED VANES IN DUCTS WIDER THAN 20-INCHES.

MECHANICAL LEGEND

	DUCT RISER, FIRST DIMENSION IS SIDE POINTED TO		AIR DEVICE TAG
	CEILING DIFFUSER		AIRFLOW ARROW
	RETURN GRILLE		THERMOSTAT, MOUNT AT 48" AFF
	EXHAUST GRILLE		DUCT, FIRST DIMENSION IS SIDE SHOWN
	ROUND DUCT SECTION		DUCT MOUNTED SMOKE DETECTOR

1 MECHANICAL PLAN
 SCALE: 1/4" = 1'-0"



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SHEET
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 MECHANICAL PLAN

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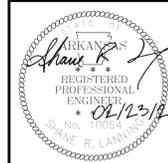
PACKAGED ROOFTOP AIR CONDITIONING UNIT SCHEDULE

TAG	MANU.	MODEL	DESCRIPTION	NOM. TONS	EER	SUPPLY CFM	OA CFM	E.S.P.	HEAT MBH IN	HEAT MBH OUT	FAN HP	VOLTS/PHASE	FLA	MCA	MOC	WEIGHT	CONTROL TYPE	COMMENTS
RTU-5	DAIKIN	DPSC10B	VARIABLE VOLUME, 10%-100% OA, DX COOLING, GAS HEAT	10	11.8	4000	400	2	200	162	4.3	208/3	61 A	70 A	100 A	2480	BAS	

ACCESSORIES

a. 0-100% ECONOMIZER WITH DRY BULB CONTROL.
 b. BAROMETRIC RELIEF.
 c. MODULATING HOT GAS REHEAT, MIN. 5:1 TURNDOWN WITH STAINLESS STEEL HEAT EXCHANGER.
 d. PROVIDE 14" TALL FLAT ROOF CURB.
 e. FACTORY INSTALLED BACnet CONTROLLER.

e. HAIL GUARD.
 f. PROVIDE NEMA 3R FACTORY MOUNTED DISCONNECT, TV AND POWERED CONVENIENCE OUTLET.
 g. MODULATING CONDENSER FAN MOTOR WITH EC MOTOR & LOW AMBIENT CONTROL TO 0°F.



MECHANICAL DUCTWORK SCHEDULE

DESCRIPTION	DUCT TYPE
RESTROOM EXHAUST DUCTS	ROUND OR RECTANGULAR DUCT WITH WRAP INSULATION
LOW PRESSURE SUPPLY AND RETURN RECTANGULAR DUCTS	RECTANGULAR WITH WRAP INSULATION
LOW PRESSURE ROUND RUNOUTS TO SUPPLY DIFFUSERS AND RETURN GRILLES	ROUND DUCT WITH WRAP INSULATION
MEDIUM PRESSURE ROUND DUCTS	ROUND SPIRAL DUCT, DOUBLE WALL

MECHANICAL PIPING SCHEDULE

DESCRIPTION	DUCT TYPE
MECHANICAL EQUIPMENT DRAINS (PRIMARY & SECONDARY)	SCHEDULE 40 PVC
MECHANICAL EQUIPMENT REFRIGERANT PIPING	COPPER

MECHANICAL INSULATION SCHEDULE

DESCRIPTION	TYPE	THICKNESS
RECTANGULAR SUPPLY, RETURN AND OUTSIDE AIR DUCTS	DUCT WRAP	2"
ROUND SUPPLY AIR DUCTS, RESTROOM EXHAUST DUCTS, OUTSIDE AIR DUCTS	DUCT WRAP	2"
MEDIUM PRESSURE, SPIRAL ROUND SUPPLY AIR DUCTS	DOUBLE WALL	1"
SUPPLY CEILING DIFFUSERS AND GRILLES	DUCT WRAP	2"
REFRIGERANT PIPING, CONDENSATE DRAIN PIPING	ELASTOMERIC	1/2"

VAV SINGLE DUCT TERMINAL UNIT SCHEDULE

TAG	MANU./MODEL	INLET DIA. (IN)	COOLING DESIGN CFM	MIN. CFM	CFM	KW	STAGES	EAT/LAT	VOLTS/PHASE	FLA	MCA	MOC	WT (lbs)
SV-1	METALAIRE / TH-510	10	800	480	640	9.0	VARIABLE	5599	208/3	25 A	31 A	50 A	67
SV-2	METALAIRE / TH-506	6	325	80	280	3.5	VARIABLE	5598	208/1	17 A	21 A	35 A	38
SV-3	METALAIRE / TH-506	6	300	66	240	3	VARIABLE	5594	208/1	14 A	18 A	30 A	38
SV-4	METALAIRE / TH-505	5	225	70	180	2.5	VARIABLE	5598	208/1	12 A	15 A	25 A	38
SV-5	METALAIRE / TH-508	8	575	121	460	5.5	VARIABLE	5593	208/1	26 A	33 A	50 A	50
SV-6	METALAIRE / TH-506	6	375	115	300	4	VARIABLE	5597	208/1	19 A	24 A	40 A	38
SV-7	METALAIRE / TH-508	8	650	160	520	6	VARIABLE	5591	208/1	29 A	36 A	60 A	50
SV-8	METALAIRE / TH-506	6	300	80	240	3	VARIABLE	5595	208/1	14 A	18 A	30 A	38
SV-9	METALAIRE / TH-508	8	550	121	440	5	VARIABLE	5591	208/1	24 A	30 A	50 A	50
SV-10	METALAIRE / TH-506	6	300	66	240	3	VARIABLE	5595	208/1	14 A	18 A	30 A	38
SV-11	METALAIRE / TH-506	6	350	120	280	4	VARIABLE	55100	208/1	19 A	24 A	40 A	38
SV-12	METALAIRE / TH-508	8	500	121	400	5.5	VARIABLE	5598	208/1	26 A	33 A	50 A	50

FEATURES / ACCESSORIES

a. PROVIDE FACTORY DISCONNECT.
 b. PROVIDE FACTORY MOUNTED CONTROL TRANSFORMER WITH FUSE KIT.
 c. 1" FOIL FACED LINER.
 d. 55°F PRIMARY AIR TEMPERATURE.
 e. FACTORY ACTUATOR.
 f. AIRFLOW TRANSDUCER.

NOTE: REFER TO DRAWING FOR VAV LEFT/RIGHT ORIENTATION PRIOR TO ORDERING.

AIR DEVICE SCHEDULE

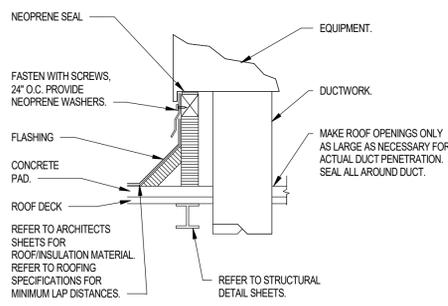
TAG	MANU.	MODEL	DESCRIPTION	FACE SIZE	FRAME SIZE	NECK	MATERIAL FINISH	COMMENTS
CD-1	NAILOR	RNS	CEILING DIFFUSER, SQUARE CONES	22X22	24X24"	6"	STEEL, WHITE	LAY-IN, UP TO 110 CFM
CD-2	NAILOR	RNS	CEILING DIFFUSER, SQUARE CONES	22X22	24X24"	8"	STEEL, WHITE	LAY-IN, UP TO 220 CFM
CD-3	NAILOR	RNS	CEILING DIFFUSER, SQUARE CONES	22X22	24X24"	10"	STEEL, WHITE	LAY-IN, UP TO 375 CFM
CD-4	NAILOR	RNS	CEILING DIFFUSER, SQUARE CONES	22X22	24X24"	12"	STEEL, WHITE	LAY-IN, UP TO 500 CFM
EG-1	NAILOR	51EC	EXHAUST GRILLE, EGGRATE 1/2"X1/2" CORE	12"X12"	24"X24"	6"	ALUMINUM, WHITE	LAY-IN, UP TO 110 CFM
RG-1	NAILOR	51ECA5	RETURN GRILLE, 45° DEFLECTION SIGHT PROOF EGGRATE 1/2"X1/2" CORE	22"X22"	24"X24"	22"X22"	ALUMINUM, WHITE	LAY-IN, UP TO 1000 CFM

FAN SCHEDULE

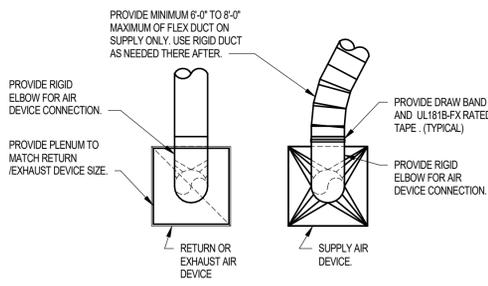
TAG	MANU./MODEL	DESCRIPTION	DRIVE	CFM	E.S.P.	TS, RPM	HP, WATTS	VOLTS/PHASE	SONES	WT (lbs)	CONTROL
EF-1	ACME L0150L	EXHAUST FAN, INLINE CABINET	DIRECT	140	0.25	1804, 919	103 W	120/1	1.4	20	SWITCHED WITH LIGHTS
EF-2	ACME L0100E	EXHAUST FAN, INLINE CABINET	DIRECT	70	0.2	1011, 515	77 W	120/1	0.7	20	SWITCHED WITH LIGHTS

ACCESSORIES

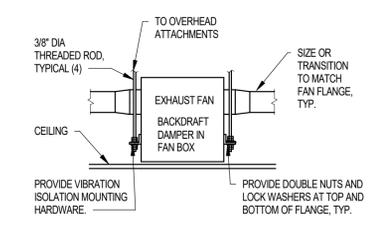
a. PROVIDE VIBRATION ISOLATING MOUNTING KIT AND ALL REQUIRED MOUNTING ACCESSORIES.
 b. PROVIDE BACKDRAFT DAMPER FOR ALL FANS.
 c. FACTORY MOUNTED NEMA 1 (INDOORS) OR NEMA 3R (OUTDOORS) DISCONNECT SWITCH.
 d. PROVIDE INSECT SCREEN.
 e. PROVIDE FACTORY INSTALLED FAN SPEED CONTROLLER.
 f. PROVIDE ALUMINUM GRILLE CEILING MOUNTED FANS.



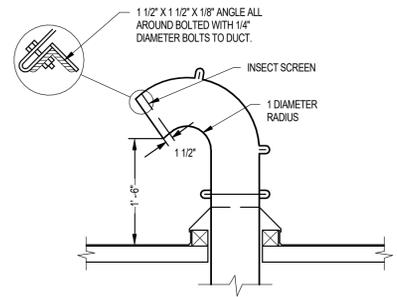
9 ROOF CURB DETAIL
SCALE: N.T.S.



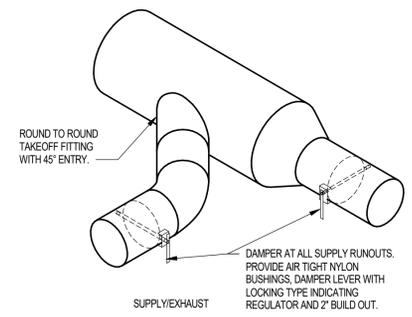
6 AIR DEVICE CONNECTION
SCALE: N.T.S.



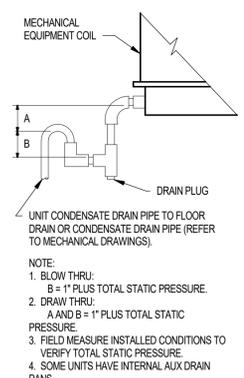
4 INLINE EXHAUST FAN
SCALE: N.T.S.



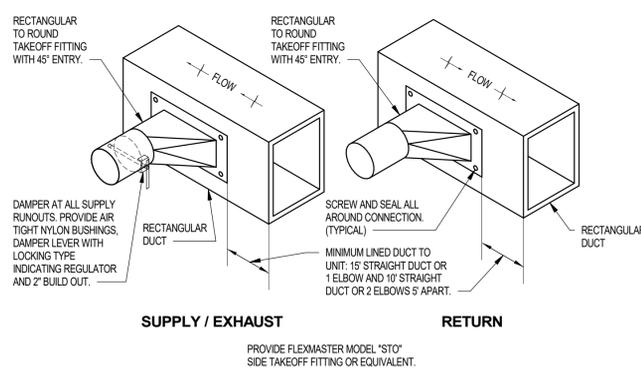
2 GOOSENECK DETAIL
SCALE: N.T.S.



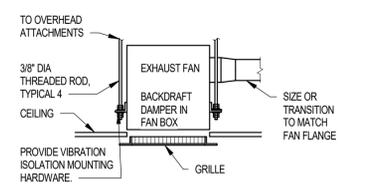
1 DUCT TAP - ROUND
SCALE: N.T.S.



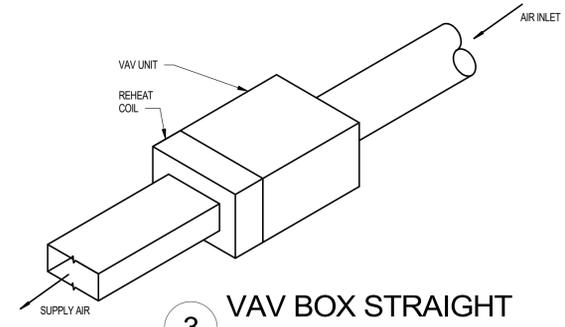
8 P-TRAP DETAIL
SCALE: N.T.S.



7 DUCT TAP
SCALE: N.T.S.



5 CEILING EXHAUST FAN
SCALE: N.T.S.



3 VAV BOX STRAIGHT
SCALE: N.T.S.

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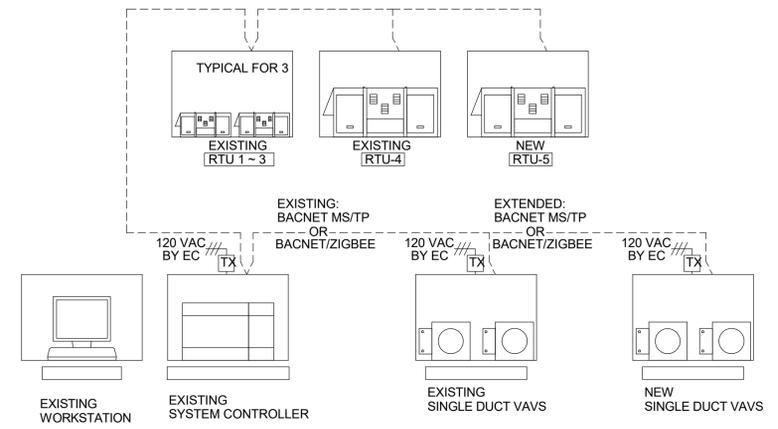
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SHEET
M2.1
 MECHANICAL DETAILS AND SCHEDULES

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1 BUILDING AUTOMATION RISER DIAGRAM
SCALE: N.T.S.

Sequence of Operations RTU-5
Building Automation System Interface
The Building Automation System (BAS) shall send the controller Occupied Bypass, Morning Warm-up / Pre-Cool, Occupied / Unoccupied and Heat / Cool modes. If a BAS is not present, or communication is lost with the BAS the controller shall operate using default modes and setpoints.

Occupied Mode:
During occupied periods, the supply fan shall run continuously and the outside air damper shall open to maintain minimum ventilation requirements. The unit controller shall control the supply fan speed to maintain the current duct static pressure setpoint (adj.). The DX cooling shall stage and gas heat shall modulate to maintain the current discharge air temperature setpoint. If economizing is enabled the outside air damper shall modulate to maintain the current discharge air temperature setpoint.

Dehumidification:
Dehumidification will be activated when the space relative humidity rises above the dehumidification set point of 50% rh (adj.). In dehumidification mode, each compressor and its associated hot gas reheat coil solenoid valves shall be commanded on in stages as needed to maintain the space relative humidity at the dehumidification setpoint.

Unoccupied Mode:
When the space temperature is below the unoccupied heating setpoint of 66.0 deg. F (adj.) the supply fan shall start, the outside air damper shall remain closed and the gas heat shall be enabled. When the space temperature rises above the unoccupied heating setpoint of 66.0 deg. F (adj.) plus the unoccupied differential of 4.0 deg. F (adj.) the supply fan shall stop and the gas heat shall be disabled.

Optimal Start:
The BAS shall monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Morning Warm-Up Mode:
During optimal start, if the average space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. When morning warm-up is initiated the unit shall enable the heating and supply fan. The outside air damper shall remain closed. When the average space temperature reaches the occupied heating setpoint (adj.), the unit shall transition to the occupied mode.

Pre-Cool Mode:
During optimal start, if the average space temperature is above the occupied cooling setpoint, pre-cool mode shall be activated. When pre-cool is initiated the unit shall enable the fan and cooling or economizer. The outside air damper shall remain closed, unless economizing. When the average space temperature reaches occupied cooling setpoint (adj.), the unit shall transition to the occupied mode.

Optimal Stop:
The BAS shall monitor the scheduled unoccupied time, occupied setpoints and space temperature to calculate when the optimal stop occurs. When the optimal stop mode is active the unit controller shall maintain the space temperature to the space temperature offset setpoint.

Occupied Bypass:
The BAS shall monitor the status of the "on" and "cancel" buttons of the space temperature sensors. When an occupied bypass request is received from a space sensor, the unit shall transition from its current occupancy mode to occupied bypass mode and the unit shall maintain the space temperature to the occupied setpoints (adj.).

Economizer:
The supply air sensor shall measure the dry bulb temperature of the air leaving the evaporator coil while economizing. When economizing is enabled and the unit is operating in the cooling mode, the economizer damper shall be modulated between its minimum position and 100% to maintain the discharge air temperature setpoint. The economizer damper shall modulate toward minimum position in the event the mixed air temperature falls below the low limit temperature setting. Compressors shall be delayed from operating until the economizer has opened to 100%.

Reference Dry Bulb:
Outside air (OA) temperature shall be compared with a reference dry bulb setpoint. The economizer shall be disabled when OA temperature is greater than reference dry bulb setpoint + 5.0 deg. F.

Supply Fan:
The supply fan shall be enabled while in the occupied mode and cycled on during the unoccupied mode. A differential pressure switch shall monitor the differential pressure across the fan. If the switch does not open within 40 seconds after a request for fan operation a fan failure alarm shall be announced at the BAS, the unit shall stop, requiring a manual reset.

Supply Duct Static Pressure Control:
The unit controller shall modulate the supply fan output as required to maintain the duct static pressure setpoint. If the duct static pressure falls below the supply air static setpoint + deadband, the unit controller shall increase the output to the supply fan to maintain setpoint. If the duct static pressure rises above the supply air static setpoint + deadband, the unit controller shall decrease the output to the supply fan to maintain setpoint. If for any reason the supply air pressure exceeds the fixed supply air pressure limit of 3.5 inches of W.C. the supply fan shall shut down. The unit shall be allowed to restart three times. If the overpressurization condition occurs on the fourth restart, the unit shall shut down and a manual reset diagnostic is displayed at the remote panel and/or the BAS system.

Building Pressure Control:
The barometric relief dampers shall open with increased building pressure. As the building pressure increases, the pressure in the unit return section also increases, opening the dampers and relieving air.

Filter Status:
A differential pressure switch shall monitor the differential pressure across the filter when the fan is running. If the switch closes for 2 minutes after a request for fan operation a dirty filter alarm shall be announced at the BAS.

Sequence of Operations Single Duct VAV
Building Automation System Interface:
The Building Automation System (BAS) shall send the controller Occupied and Unoccupied commands. The BAS may also send a Heat/Cool mode, priority shutdown commands, space temperature and/or space temperature setpoint. If communication is lost with the BAS, the VAV controller shall operate using its local setpoints.

Occupancy Mode:
The occupancy mode shall be communicated or hardwired to the VAV via a binary input. Valid Occupancy modes for the VAV shall be:
Occupied:
Normal operating mode for occupied spaces or daytime operation. When the unit is in the occupied mode the VAV shall maintain the space temperature at the active occupied heating or cooling setpoint. Applicable ventilation and airflow setpoints shall be enforced. The occupied mode shall be the default mode of the VAV.

Unoccupied:
Normal operating mode for unoccupied spaces or nighttime operation. When the unit is in unoccupied mode the VAV controller shall maintain the space temperature at the stored unoccupied heating or cooling setpoint regardless of the presence of a hardwired or communicated setpoint. When the space temperature exceeds the active unoccupied setpoint the VAV shall modulate fully closed.

Occupied Bypass:
Mode used to temporarily place the unit into the occupied operation. Tenants shall be able to override the unoccupied mode from the space sensor. The override shall last for a maximum of 4 hours (adj.). The tenants shall be able to cancel the override from the space sensor at any time. During the override the unit shall operate in occupied mode.

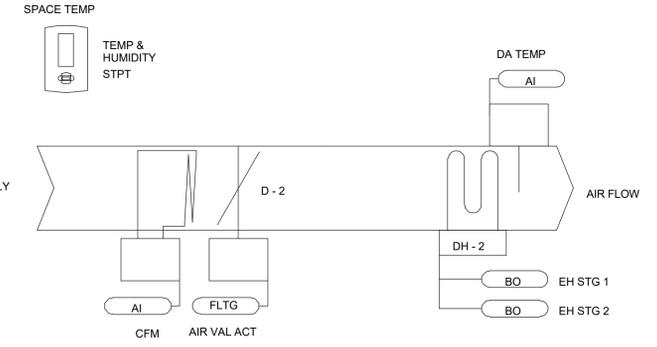
Heat/Cool Mode:
The Heat/Cool mode shall be set by a communicated value or automatically by the VAV. In standalone or auto mode the VAV shall compare the primary air temperature with the configured auto changeover setpoint to determine if the air is "hot" or "cold". Heating mode implies the primary air temperature is hot. Cooling mode implies the primary air temperature is cold.

Heat/Cool Setpoint:
The space temperature setpoint shall be determined either by a local (e.g., thumbwheel) setpoint, the VAV default setpoint or a communicated value. The VAV shall use the locally stored default setpoints when neither a local setpoint nor communicated setpoint is present. If both a local setpoint and communicated setpoint exist, the VAV shall use the communicated value.

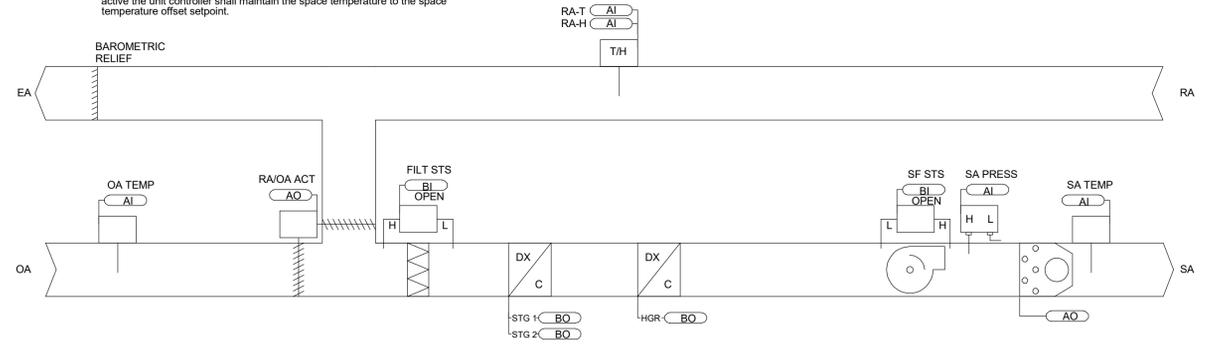
Cooling Mode:
When the unit is in cooling mode, the VAV controller shall maintain the space temperature at the active cooling setpoint by modulating the airflow between the active cooling minimum airflow setpoint to the maximum cooling airflow setpoint. Based on the VAV controller occupancy mode, the active cooling setpoint shall be one of the following:
Setpoint
Default Value
Occupied Cooling Setpoint 74.0 deg. F
Unoccupied Cooling Setpoint 78.0 deg. F
Occupied Standby Cooling Setpoint 78.0 deg. F
Occupied Min Cooling Airflow Setpoint See VAV Schedule
Occupied Max Cooling Airflow Setpoint See VAV Schedule
The VAV shall use the measured space temperature and the active cooling setpoint to determine the requested cooling capacity of the unit. The outputs will be controlled based on the unit configuration and the requested cooling capacity.

Heating Mode:
When the unit is in heating mode, the VAV controller shall maintain the space temperature at the active heating setpoint by modulating the airflow between the active heating minimum airflow setpoint to the maximum heating airflow setpoint and staging the reheat coil. Based on the VAV controller occupancy mode, the active heating setpoint shall be one of the following:
Setpoint
Default Value
Occupied Heating Setpoint 71.0 deg. F
Unoccupied Heating Setpoint 66.0 deg. F
Occupied Standby Heating Setpoint 67.0 deg. F
Occupied Min Heating Airflow Setpoint See VAV Schedule
Occupied Max Heating Airflow Setpoint See VAV Schedule
The VAV controller shall use the measured space temperature and the active heating setpoint to determine the requested heating capacity of the unit. The outputs will be controlled based on the unit configuration and the requested heating capacity.

Space Sensor Failure:
If there is a fault with the operation of the zone sensor an alarm shall be announced at the BAS. Space sensor failure shall cause the VAV to drive the damper to minimum air flow if the VAV is in the occupied mode, or drive it closed if the VAV is in the unoccupied mode.



2 SV BOX CONTROL DIAGRAM AND SEQUENCE - ELECTRIC HEAT
SCALE: N.T.S.



3 RTU CONTROLS DIAGRAM AND SEQUENCE
SCALE: N.T.S.

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M3.1
MECHANICAL CONTROLS

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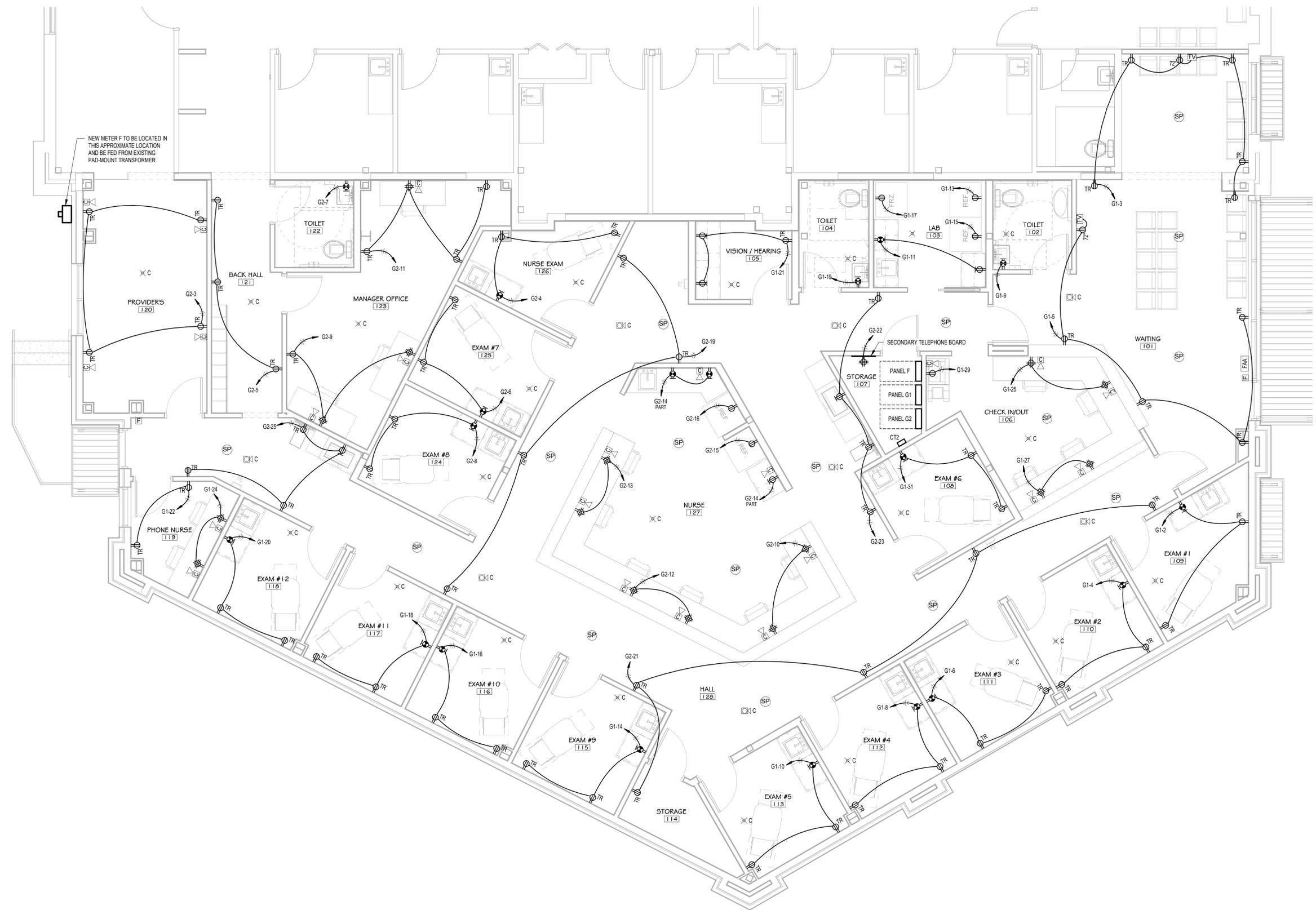
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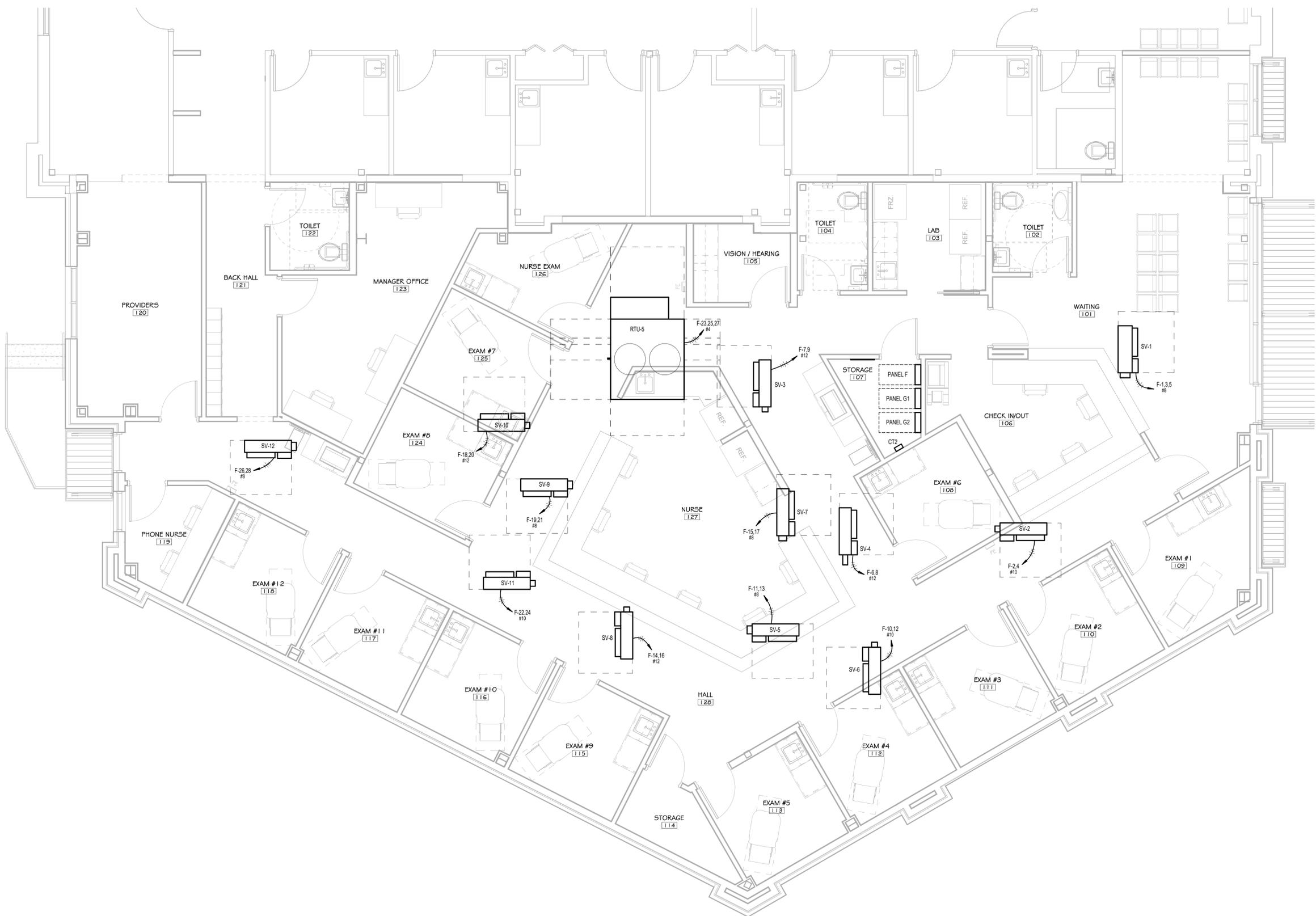
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E1.1
 ELECTRICAL POWER PLAN

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1 ELECTRICAL POWER PLAN
 SCALE: 1/4" = 1'-0"



1 ELECTRICAL MECH POWER PLAN
 SCALE: 1/4" = 1'-0"

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 1/4" = 1'-0" 2/24/2026 9:33:27

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E1.2
 ELECTRICAL MECH POWER PLAN
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E2.1
 ELECTRICAL LIGHTING PLAN

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- ELECTRICAL KEYED NOTES**
- LED TAPE UNDER EXTERIOR COUNTER. FIELD CUT TO DESIRED LENGTH. PROVIDE ALL NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. REFER TO LIGHT FIXTURE SCHEDULE FOR SPECIFICATIONS. TO BE CONTROLLED BY SWITCH SYSTEM C (REFER TO E2.1 ELECTRICAL LIGHTING PLAN) ALONGSIDE HALL LIGHTS.
 - LED TAPE UNDER EXTERIOR COUNTER. FIELD CUT TO DESIRED LENGTH. PROVIDE ALL NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. REFER TO LIGHT FIXTURE SCHEDULE FOR SPECIFICATIONS. TO BE CONTROLLED BY SWITCH SYSTEM E (REFER TO E2.1 ELECTRICAL LIGHTING PLAN) ALONGSIDE HALL LIGHTS.

1 ELECTRICAL LIGHTING PLAN
 SCALE: 1/4" = 1'-0"

LIGHTING DEVICE SCHEDULE		
SYMBOL	MODEL #	DESCRIPTION
§	HBL 1221	HUBBELL SINGLE POLE SWITCH (44" AFF)
§2	HBL 1222	HUBBELL TWO POLE SWITCH (44" AFF)
§3	HBL 1223	HUBBELL 3-WAY SWITCH (44" AFF)
§D	LUTRON DIVA	LUTRON 0-10V DIMMER SWITCH (44" AFF)
§3D	LUTRON DIVA	LUTRON 0-10V 3-WAY DIMMER SWITCH (44" AFF)
OS DTL	OCS-222-1	LOW-VOLTAGE DUAL-TECH CEILING SENSOR, LARGE MOTION
OS HW	OCS-402-1	LOW-VOLTAGE PIR HALLWAY CEILING SENSOR
PP	PP-900-AX	POWER PACK, SINGLE-RELAY, 120-277V W/AUXILIARY SWITCH INPUT
§OS	SWX-121-D	DUAL-TECH DIMMABLE OCCUPANCY SENSOR WALL SWITCH (44" AFF)

- NOTES:
- PROVIDE POWER PACKS ON ALL OCCUPANCY SENSORS AND DIMMED LIGHTING CIRCUITS PER MANUFACTURER TO ACHIEVE A COMPLETE DIMMED LIGHTING CIRCUIT.
 - ALL LISTED MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE.
 - ALL FINISHES SHALL BE SPECIFIED DURING SUBMITTAL PHASE.
 - ALL SWITCHES SHALL BE GRAY WITH STAINLESS STEEL FACEPLATES.

FIRE ALARM LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
FACP	CONTROL PANEL (60" TO CENTER OF DISPLAY)	S	PHOTOELECTRIC SMOKE DETECTOR - 'R' DENOTES RELAY BASE ASSOCIATED WITH DETECTOR / 'SB' DENOTES AUDIBLE BASE ASSOCIATED WITH DETECTOR / 'ER' DENOTES ELEVATOR RECALL
FAA	ANNUNCIATOR PANEL (60" TO CENTER OF DISPLAY)		
F	MANUAL PULL STATION (48" AFF)		
☁	WALL-MOUNTED MC CANDELLA STROBE	D	PHOTOELECTRIC DUCT SMOKE DETECTOR - 'R' DENOTES RELAY BASE ASSOCIATED WITH DETECTOR / 'SB' DENOTES AUDIBLE BASE ASSOCIATED WITH DETECTOR (SUPERVISORY)
×	CEILING-MOUNTED MC CANDELLA STROBE		
CS	ALARM SPEAKER	C	CARBON MONOXIDE DETECTOR

- NOTES:
- ALL LISTED MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE.

LIGHT FIXTURE SCHEDULE							
TAG	DESCRIPTION	VOLTAGE	LOAD	TEMP	MANUFACTURER	MODEL	MOUNTING
A1	2'x2' LED FLAT PANEL	120 V	40 W	4000	ELITE LIGHTING	22-FPL-8L-LED-2000L/3000L/4000L-DIM10-MVOLT-39K40K/50K-85	RECESSED
A1E	2'x2' LED FLAT PANEL EMERGENCY	120 V	40 W	4000	ELITE LIGHTING	22-FPL-8L-LED-2000L/3000L/4000L-DIM10-MVOLT-39K40K/50K-85-0-EMG-LED-10W	RECESSED
A2	2'x4' LED FLAT PANEL	120 V	50 W	4000	ELITE LIGHTING	24-FPL-8L-LED-3000L/4000L/5000L-DIM10-MVOLT-39K40K/50K-85	RECESSED
A2E	2'x4' LED FLAT PANEL EMERGENCY	120 V	50 W	4000	ELITE LIGHTING	24-FPL-8L-LED-3000L/4000L/5000L-DIM10-MVOLT-39K40K/50K-85-0-EMG-LED-10W	RECESSED
C1	6" LED CAN LIGHT	120 V	35 W	4000	ELITE LIGHTING	HH6-LED-2000L/2500L/3000L-DIM10-MVOLT-WD-27K90K/39K40K/50K-90-HH6-6501-CL-WH	RECESSED
C1E	6" LED CAN LIGHT W/EMERGENCY	120 V	35 W	5000	ELITE LIGHTING	HH6-LED-2000L/2500L/3000L-DIM10-MVOLT-WD-27K90K/39K40K/50K-90-NTG-EMG-LED-10W-HH6-6501-CL-WH	RECESSED
L1	RGBW LED TAPE LENGTH VARIES	24 V	120 W	4000	KLUS SOLUTIONS	TAPE-K-RGBW-1920-120-24-EXTRUSION: MICRO-PLUS A02966, DRIVER: ND-96-24	SURFACE
W1	LED WALL PACK	120 V	50 W	5000	ELITE LIGHTING	OWS-FC-303-LED-2000L/4000L/6000L-DIM10-MVOLT-30K40K/50K-82	WALL
W1E	LED WALL PACK W/EMERGENCY	120 V	50 W	5000	ELITE LIGHTING	OWS-FC-303-LED-2000L/4000L/6000L-DIM10-MVOLT-30K40K/50K-82-EMG-LED-G2-10W	WALL
X1	EDGE-LIT LED EXIT SIGN	120 V	5 W	4000	ELITE LIGHTING	ELX-604-AL-1-CLEAR	UNIVERSAL

ELECTRICAL LEGEND

▼ W	WALL-MOUNTED TELEPHONE OUTLET (44" AFF)	CS	DISCONNECT SWITCH
▼	TELEPHONE OUTLET (18" AFF)	CS	FACTORY-MOUNTED DISCONNECT SWITCH
C	COMMUNICATION OUTLET (18" AFF)	CS	FUSED DISCONNECT SWITCH
▼ C	COMBINATION TELEPHONE/COMMUNICATION OUTLET. PROVIDE (2) 3/4" EMPTY CONDUITS TO ABOVE ACCESSIBLE CEILING LOCATION.	SP	CEILING-MOUNTED SPEAKER
IC	INTERCOM OUTLET	J	JUNCTION BOX
M	MICROPHONE OUTLET	TV	TV WALL BOX EQUAL TO HUBBELL NSAV64M
		\$a	LOWERCASE LETTERS INDICATE SWITCHING CONFIGURATION

- NOTES:
- ALL LISTED MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE.

POWER DEVICE SCHEDULE

SYMBOL	MODEL #	DESCRIPTION
TR		HUBBELL TAMPER-RESISTANT DUPLEX RECEPTACLE (18" AFF)
HBL 5362		HUBBELL QUADPLEX RECEPTACLE (18" AFF)
GFRST20		HUBBELL GFCI DUPLEX RECEPTACLE (18" AFF)
BR20TR		HUBBELL TAMPER-RESISTANT ABOVE-COUNTER DUPLEX RECEPTACLE (44" AFF)
GFTWRST83		HUBBELL TAMPER-RESISTANT ABOVE-COUNTER GFCI DUPLEX RECEPTACLE (44" AFF)
WP	GF5362	HUBBELL WEATHERPROOF GFCI DUPLEX RECEPTACLE WITH HUBBELL WP28E COVER (18" AFF)
WPR		CONVENIENCE RECEPTACLE FURNISHED WITH RTU, WIRED SEPARATELY FROM RTU POWER

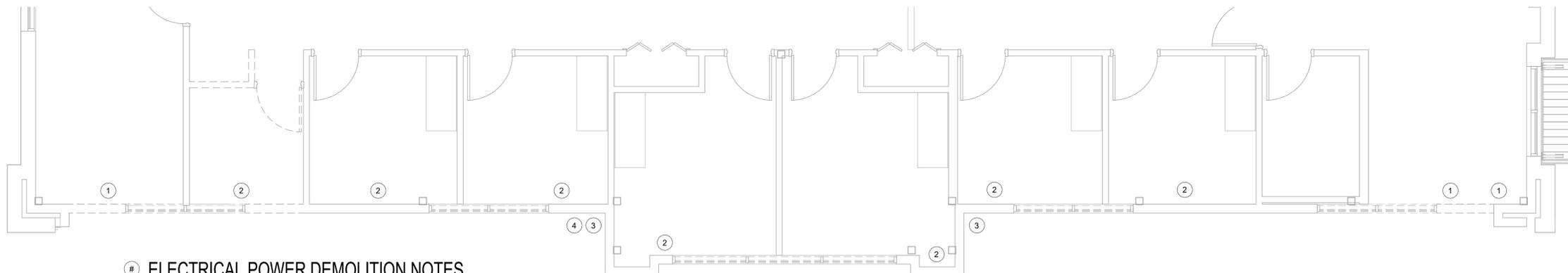
- NOTES:
- ALL LISTED MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE.
 - ALL FINISHES SHALL BE SPECIFIED DURING SUBMITTAL PHASE.
 - ALL RECEPTACLES SHALL BE GRAY WITH STAINLESS STEEL FACEPLATES.

FIRE ALARM NOTES

- THE EXISTING BUILDING CONTAINS AN EXISTING ADDRESSABLE FIRE ALARM SYSTEM. THE NEW ADDITION SHALL FUNCTION AS AN EXTENSION OF THIS EXISTING SYSTEM. THE MANUFACTURER OF ALL NEW FIRE ALARM DEVICES SHALL BE THE MANUFACTURER OF THE EXISTING SYSTEM.
- CONTRACTOR SHALL, WHEN DESIGNING THE FIRE ALARM SYSTEM, VERIFY EXACT LOCATION, LAYOUT, AND SPACING OF ALL DEVICES REQUIRED PER NFPA 72, NFPA 101, APPLICABLE BUILDING CODES AND THE AMERICANS WITH DISABILITIES ACT.
- DESIGN AND INSTALL THE FIRE ALARM SYSTEM TO MEET ALL REQUIREMENTS OF THE LOCAL FIRE MARSHALL.
- DESIGN THE FIRE ALARM SYSTEM PER REQUIREMENTS OF NFPA 72. ALL DEFICIENCIES OF THE SYSTEM SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR.
- SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR APPROVAL. SHOP DRAWINGS SHALL INCLUDE COMPLETE LAYOUT DRAWINGS OF ALL EQUIPMENT INDICATING RELATIONSHIP TO ADJACENT SYSTEMS (HVAC, LIGHTING, ETC) WHICH MAY CAUSE CONFLICT.
- SUBMIT COMPLETE DETAILS AND SECTIONS TO CLEARLY DEFINE AND CLARIFY THE DESIGN INCLUDING A MATERIALS LIST DESCRIBING ALL PROPOSED MATERIALS BY MANUFACTURER NAME AND MODEL NUMBER.
- UPON COMPLETION OF SYSTEM INSTALLATION, TEST AND RE-TEST THE SYSTEM AND MAKE ALL CORRECTIONS NECESSARY.
- PROVIDE DUCT DETECTORS TO MECHANICAL CONTRACTOR FOR INSTALLATION IN DUCTWORK. MAKE ALL WIRING CONNECTIONS NECESSARY TO CONNECT TO FIRE ALARM SYSTEM.
- ALL DEVICES IN OCCUPIED AREAS SHALL BE WHITE WITH RED LETTERING.
- FIRE ALARM SYSTEMS SHALL BE OF ADDRESSABLE TYPE, INCORPORATING ACTIVATION DEVICES SUCH AS PULL STATIONS, SMOKE DETECTORS, DUCT DETECTORS, ETC., AND AUDIO VISUAL DEVICES SUCH AS HORNS AND STROBES.
- STROBE DEVICES SHALL HAVE THEIR CANDELLA LIGHT INTENSITY DISCHARGE CONFORMING TO THE AMERICANS WITH DISABILITIES ACT AND LOCAL CODES.
- VISUAL DEVICES SHALL BE LOCATED IN SPACES OCCUPIED BY INHABITANTS AND THE PUBLIC. AUDIO DEVICES SHALL BE LOCATED SO DEVICE DELIVERS SOUND LEVELS THAT ARE 15 DB OVER AMBIENT NOISE LEVELS IN AREA OCCUPIED BY THE PUBLIC.
- A MANUAL PULL STATION SHALL BE PROVIDED AT EACH EXTERIOR DOOR USED AS MEANS OF EGRESS, AND AT OTHER LOCATIONS CONFORMING TO THE NATIONAL FIRE PROTECTION ASSOCIATION, AND OTHER LOCAL CODES.
- PROVIDE AUDIBLE ALARM DEVICES IN HIGH AMBIENT NOISE AREAS SUCH AS THE COMMONS AREA.
- PROVIDE DUCT SMOKE DETECTORS WHERE REQUIRED BY NFPA 90A. COORDINATE WITH MECHANICAL DRAWINGS FOR ADDITIONAL LOCATIONS.
- THE EXISTING BUILDING CONTAINS AN EXISTING ADDRESSABLE FIRE ALARM SYSTEM. THE NEW ADDITION SHALL FUNCTION AS AN EXTENSION OF THIS EXISTING SYSTEM. THE MANUFACTURER OF ALL NEW FIRE ALARM DEVICES SHALL BE THE MANUFACTURER OF THE EXISTING SYSTEM.
- CONTRACTOR SHALL, WHEN DESIGNING THE FIRE ALARM SYSTEM, VERIFY EXACT LOCATION, LAYOUT, AND SPACING OF ALL DEVICES REQUIRED PER NFPA 72, NFPA 101, APPLICABLE BUILDING CODES AND THE AMERICANS WITH DISABILITIES ACT.
- DESIGN AND INSTALL THE FIRE ALARM SYSTEM TO MEET ALL REQUIREMENTS OF THE LOCAL FIRE MARSHALL.
- DESIGN THE FIRE ALARM SYSTEM PER REQUIREMENTS OF NFPA 72. ALL DEFICIENCIES OF THE SYSTEM SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR.
- SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR APPROVAL. SHOP DRAWINGS SHALL INCLUDE COMPLETE LAYOUT DRAWINGS OF ALL EQUIPMENT INDICATING RELATIONSHIP TO ADJACENT SYSTEMS (HVAC, LIGHTING, ETC) WHICH MAY CAUSE CONFLICT.
- SUBMIT COMPLETE DETAILS AND SECTIONS TO CLEARLY DEFINE AND CLARIFY THE DESIGN INCLUDING A MATERIALS LIST DESCRIBING ALL PROPOSED MATERIALS BY MANUFACTURER NAME AND MODEL NUMBER.
- UPON COMPLETION OF SYSTEM INSTALLATION, TEST AND RE-TEST THE SYSTEM AND MAKE ALL CORRECTIONS NECESSARY.
- PROVIDE DUCT DETECTORS TO MECHANICAL CONTRACTOR FOR INSTALLATION IN DUCTWORK. MAKE ALL WIRING CONNECTIONS NECESSARY TO CONNECT TO FIRE ALARM SYSTEM.
- ALL DEVICES IN OCCUPIED AREAS SHALL BE WHITE WITH RED LETTERING.
- FIRE ALARM SYSTEMS SHALL BE OF ADDRESSABLE TYPE, INCORPORATING ACTIVATION DEVICES SUCH AS PULL STATIONS, SMOKE DETECTORS, DUCT DETECTORS, ETC., AND AUDIO VISUAL DEVICES SUCH AS HORNS AND STROBES.
- STROBE DEVICES SHALL HAVE THEIR CANDELLA LIGHT INTENSITY DISCHARGE CONFORMING TO THE AMERICANS WITH DISABILITIES ACT AND LOCAL CODES.
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- A MANUAL PULL STATION SHALL BE PROVIDED AT EACH EXTERIOR DOOR USED AS MEANS OF EGRESS, AND AT OTHER LOCATIONS CONFORMING TO THE NATIONAL FIRE PROTECTION ASSOCIATION, AND OTHER LOCAL CODES.
- PROVIDE AUDIBLE ALARM DEVICES IN HIGH AMBIENT NOISE AREAS SUCH AS THE COMMONS AREA.
- PROVIDE DUCT SMOKE DETECTORS WHERE REQUIRED BY NFPA 90A. COORDINATE WITH MECHANICAL DRAWINGS FOR ADDITIONAL LOCATIONS.

ELECTRICAL NOTES

- ELECTRICAL CONTRACTOR SHALL READ AND BECOME FAMILIAR WITH THE REQUIREMENTS OF THE ARKANSAS SCHOOL FACILITIES MANUAL. ALL REQUIREMENTS OF THE MANUAL, WHETHER SPECIFICALLY STATED ON THESE DOCUMENTS OR NOT SHALL APPLY TO THIS PROJECT. ELECTRICAL CONTRACTOR SHALL SPECIFICALLY READ AND UNDERSTAND CHAPTER 7400-ELECTRICAL AND 7500-TECHNOLOGY SYSTEMS.
- ELECTRICAL DRAWINGS (POWER AND LIGHTING) ARE DIAGRAMMATIC AND SCHEMATIC IN NATURE. USE JUDGMENT AND CARE TO INSTALL ELECTRICAL WORK TO FUNCTION PROPERLY AND FIT WITHIN BUILDING CONSTRUCTION AND FINISHES. ALL CONDUITS, CONDUIT, AND MATERIALS NOT SPECIFICALLY SHOWN OR SPECIFIED, WHICH ARE REQUIRED FOR A COMPLETE OPERATING DEVICE OR SYSTEM ARE REQUIRED TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR FINAL LOCATION OF ALL LIGHT FIXTURES AND CEILING TYPES. MAKE PROVISIONS FOR INSTALLATIONS IN FIRE RATED BARRIERS AS REQUIRED.
- ELECTRICAL CONTRACTOR SHALL VERIFY LOCATION OF ALL OUTLET ROUGH-INS WITH ARCHITECT'S MILLWORK, FURNITURE LAYOUT, MANUFACTURER'S SHOP DRAWINGS, OR AS MAY BE DETERMINED AT THE PROJECT SITE. DO NOT SCALE DRAWINGS FOR EXACT LOCATION OF DEVICES. FIELD VERIFY FINAL MOUNTING HEIGHTS AND LOCATIONS AS REQUIRED BY PROJECT CONDITIONS PRIOR TO ROUGH-IN.
- ALL DEVICES TO BE INSTALLED BY THIS TRADE SHALL BE COORDINATED WITH ALL TRADES (ARCHITECTURAL MILLWORK, MECHANICAL, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, ETC) DURING CONSTRUCTION TO AVOID CONFLICT AND TO PROVIDE A QUALITY PROJECT. IF YOU NOTICE ANY DISCREPANCY BETWEEN THIS WORK AND A SEPARATE TRADE, NOTIFY THE ENGINEER IMMEDIATELY FOR DIRECTION. ANY COORDINATION WORK THAT OCCURS WITHOUT APPROVAL FROM THE ENGINEER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL MOUNTING HEIGHTS SHALL BE CONFIRMED WITH ARCHITECTURAL ELEVATION FOR EACH ROOM.
- ROUTE ALL CONDUITS AND WIRING ABOVE CEILINGS, IN CHASES, OR CONCEALED WITHIN BUILDING STRUCTURE. SURFACE MOUNTED RACEWAYS OR CONDUIT SHALL ONLY BE PERMITTED AT LOCATIONS SPECIFIED ON THE DRAWINGS.
- PROVIDE TWO 3/4" CONDUITS FROM EACH TELEPHONE/DATA OUTLET TO THE NEAREST ACCESSIBLE CEILING CAVITY. ALL TELEPHONE/DATA OUTLETS SHALL BE 4" SQUARE BOXES WITH SINGLE GANG PASTER FRAME. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATION AND HEIGHTS OF DEVICES PRIOR TO INSTALLATION. PROVIDE A PULL WIRE IN EACH CONDUIT AND BUSHINGS INSTALLED ON THE END OF THE CONDUIT. PROVIDE A BLANK COVER PLATE OVER ALL BOXES, COLOR TO MATCH ADJACENT ELECTRICAL OUTLETS.
- AT EACH THERMOSTAT SENSOR LOCATION, PROVIDE ONE 4" BOX WITH A 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING CAVITY. VERIFY EXACT LOCATION AND MOUNTING HEIGHT OF THERMOSTAT PRIOR TO ROUGH-IN. PROVIDE A PULL WIRE IN EACH CONDUIT AND BUSHINGS INSTALLED ON EXPOSED END OF THE CONDUIT.
- COORDINATE THE ELECTRICAL REQUIREMENTS FOR ALL PLUMBING FIXTURES (CIRCULATING PUMPS, WATER HEATERS, ETC.) WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. MAKE ALL FINAL ELECTRICAL CONNECTIONS NECESSARY TO PLUMBING EQUIPMENT PROVIDED BY OTHERS.
- COORDINATE ELECTRICAL REQUIREMENTS FOR ALL HVAC EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE ALL FEEDERS, DISCONNECTS, SERVICE RECEPTACLES, ETC. WHERE INTERFERENCE WITH AND MAINTENANCE OF MECHANICAL EQUIPMENT WILL NOT OCCUR. MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT AS REQUIRED.
- DUCT-MOUNTED SMOKE DETECTORS SHALL BE INSTALLED IN DUCTWORK BY MECHANICAL CONTRACTOR. DUCT DETECTORS SHALL SHUT DOWN MECHANICAL EQUIPMENT UPON DETECTION OF SMOKE. DUCT DETECTORS SHALL BE FURNISHED AND WIRED BY THE FIRE ALARM CONTRACTOR WITH ELECTRICAL CONTRACTOR MAKING ALL FINAL CONNECTIONS. COORDINATE ALL WORK WITH MECHANICAL AND FIRE ALARM CONTRACTORS TO AVOID CONFLICTS.
- ALL EXIT LIGHT FIXTURES SHALL NOT BE SWITCHED. ALL EMERGENCY LIGHT FIXTURES SHALL HAVE A "HOT" WIRE CONNECTION TO EMERGENCY BALLAST. PROVIDE EXIT AND EMERGENCY FIXTURES AS NECESSARY (EGRESS ROUTES, STAIRWELLS, MAIN ELECTRICAL CLOSET, OUTSIDE EXTERIOR EXIT DOORS, ETC.). ALL EXIT/EMERGENCY LIGHTS SHALL HAVE EMERGENCY BATTERY BACK-UP. AT EXTERIOR EMERGENCY LOCATIONS PROVIDE REMOTE EMERGENCY HEAD WITH INDOOR BATTERY SOURCE. MOUNT ALL EMERGENCY TEST SWITCHES IN OF EMERGENCY LIGHT FIXTURE.
- MC CABLE MAY BE USED FOR LIGHTING WHIPS OF LENGTHS LESS THAN 6'-0". MC CABLE IS NOT ALLOWED FOR USE IN WALLS TO DEVICES. EMT CONDUIT SHOULD BE USED WITHIN WALLS AND ABOVE CEILINGS TO EASE FUTURE CIRCUIT AND TECHNOLOGY UPGRADES.
- ELECTRIC WATER COOLER RECEPTACLE SHALL BE MOUNTED BEHIND ENCLOSURE. COORDINATE WITH ELECTRICAL WATER COOLER MANUFACTURER FOR EXACT MOUNTING HEIGHT. PROVIDE A GFCI BREAKER IN PANEL TO PROTECT THIS CIRCUIT.
- CONFLICTS BETWEEN LIGHT FIXTURES ILLUMINATION AND OBSTRUCTIONS OCCUR (SUCH AS CONDUIT, PIPING, DUCT & ECT), RIGIDLY MOUNT LIGHT FIXTURE 12" BELOW OBSTRUCTION.
- PROVIDE NEW LAMINATE LABELS AND TYPEWRITTEN CIRCUIT DIRECTORY FOR EVERY PANEL IDENTIFYING ALL CIRCUITS, SPARES & SPACES.



ELECTRICAL POWER DEMOLITION NOTES

- REMOVE EXISTING ELECTRICAL DEVICE. RE-ROUTE EXISTING CONDUIT & WIRING TO NEW LOCATION. REFER TO SHEET E1.1 FOR MORE INFORMATION.
- REMOVE EXISTING ELECTRICAL DEVICE, CONDUIT & WIRING FROM DEMOLISHED WALL.
- REMOVE EXISTING EXTERIOR ROOFTOP ELECTRICAL DEVICE & WIRING FROM DEMOLISHED PORTION OF ROOF.
- REMOVE EXISTING EXTERIOR SURFACE-MOUNTED ELECTRICAL DEVICES & WIRING FROM DEMOLISHED WALL.

1 ELECTRICAL DEMO PLAN

SCALE: 1/4" = 1'-0"



PRELIMINARY NOT FOR CONSTRUCTION

Revision Schedule	
Rev. #	Date

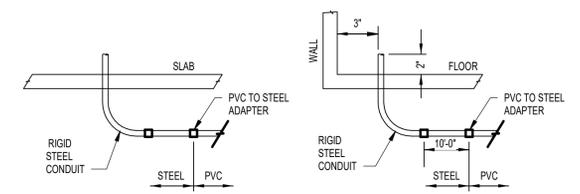
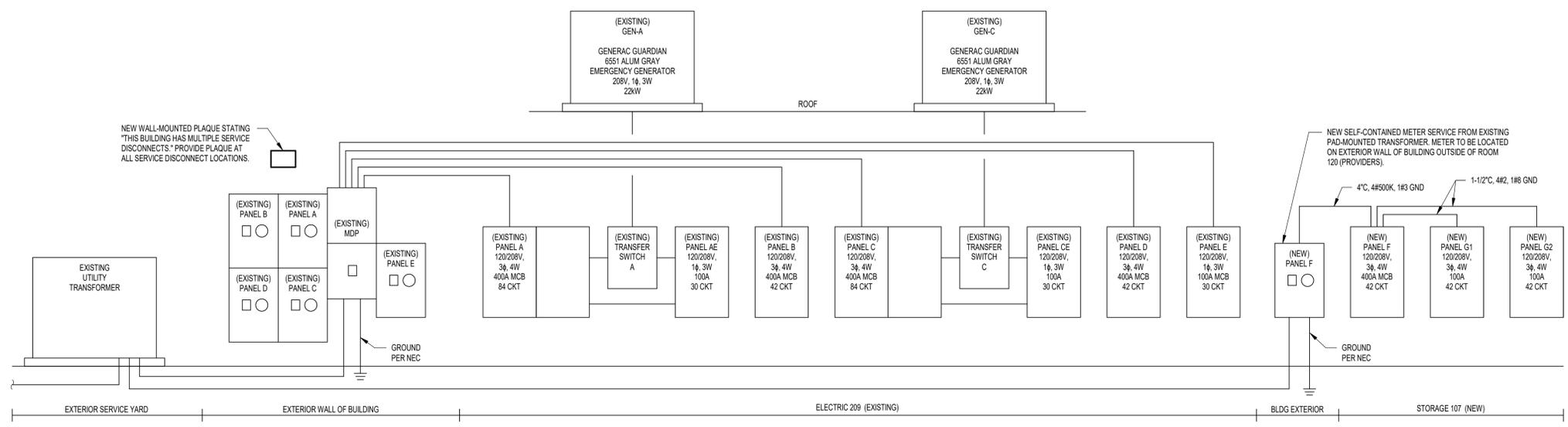
NWA PEDIATRICS ADDITION
3730 S PINNACLE HILLS PKWY #3
ROGERS, AR 72758

MANA
3383 N MANA CT, SUITE 201
FAYETTEVILLE, AR 72703

DATE	DRAWN BY
Issue Date	Designer
PROJECT #	CHECKED BY
2438	Checker

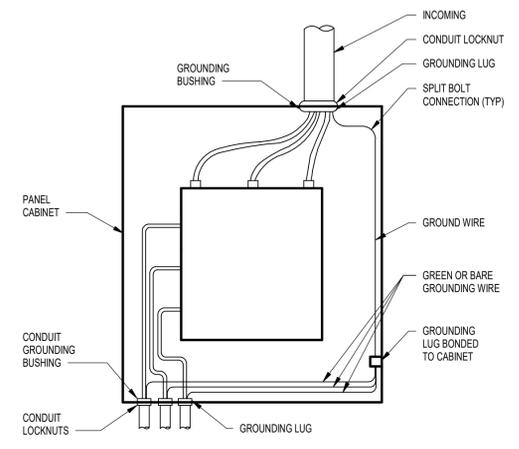
SHEET
E3.1
ELECTRICAL NOTES & SCHEDULES

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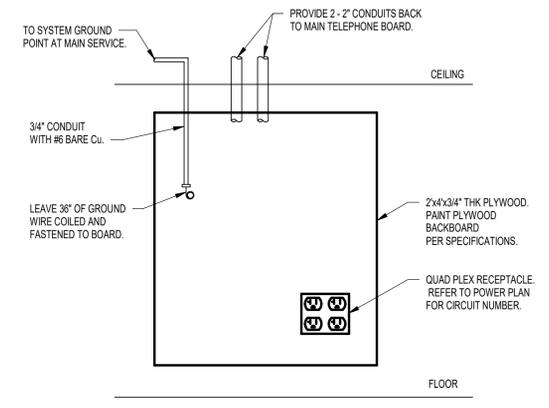
6 UNDERGROUND CONDUIT DETAIL
SCALE: 3/16" = 1'-0"

1 ELECTRICAL RISER DIAGRAM
SCALE: 3/16" = 1'-0"



- NOTES:
1. ALL WIRES TO BE NEATLY LACED.
2. AT THE POINT OF ATTACHMENT OF THE GROUNDING LUG TO THE CABINET, THE SURFACES SHALL BE SCRAPED FREE OF PAINT AND THOROUGHLY CLEANED TO INSURE PROPER BONDING.
3. NEUTRAL CONDUCTOR NOT SHOWN FOR CLARITY.

4 PANEL GROUNDING DETAIL
SCALE: 3/16" = 1'-0"



3 TELEPHONE BOARD DETAIL
SCALE: 3/16" = 1'-0"

Branch Panel: F
Location: STORAGE 107
Supply From: Surface
Mounting: Surface
Enclosure: NEMA 1

Volts: 208V / 3Ø
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

CKT	Load Classification: Load Name	Trip	Poles	A	B	C	Poles	Trip	Load Classification: Load Name	CKT	
1				3002...	1747...			2	35 A	HVAC: SV-2	2
3	HVAC: SV-1	50 A	3		3002... 1747...			2	25 A	HVAC: SV-4	6
5											8
7	HVAC: SV-3	30 A	2	1498... 1248...	1498... 1997...			2	40 A	HVAC: SV-6	10
9											12
11	HVAC: SV-5	50 A	2	2746... 1498...		2746... 1997...		2	30 A	HVAC: SV-8	14
13											16
15	HVAC: SV-7	60 A	2		2995... 1498...			2	30 A	HVAC: SV-10	18
17											20
19	HVAC: SV-9	50 A	2	2496... 1498...	2496... 1997...			2	30 A	HVAC: SV-12	22
21											24
23											26
25	HVAC: RTU-5	100 A	3	7325... 2746...		7325... 1997...		2	50 A	HVAC: SV-12	28
27					7325... 2746...						30
29											32
31	Spare: PWR; LTG; RCP; HVAC: PANEL G1	100 A	3	6860... 7000...	7140... 5135...			3	100 A	Spare: PWR; LTG; RCP; HVAC: PANEL G2	34
33											36
35											38
37	: SPARE	20 A	1	0 VA	0 VA			1	20 A	: SPARE	40
39	: SPARE	20 A	1					1	20 A	: SPARE	42
41	: SPARE	20 A	1					1	20 A	: SPARE	
Total Load:				39663 VA	39575 VA	35352 VA					
Total Amps:				336 A	335 A	295 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	21976 VA	125.00%	27470 VA	
RCP	25920 VA	69.29%	17960 VA	Total Conn. Load: 114589 VA
PWR	6000 VA	100.00%	6000 VA	Total Est. Demand: 112123 VA
HVAC	54115 VA	100.00%	54115 VA	Total Conn.: 318 A
LTG	6590 VA	100.00%	6590 VA	Total Est. Demand: 311 A

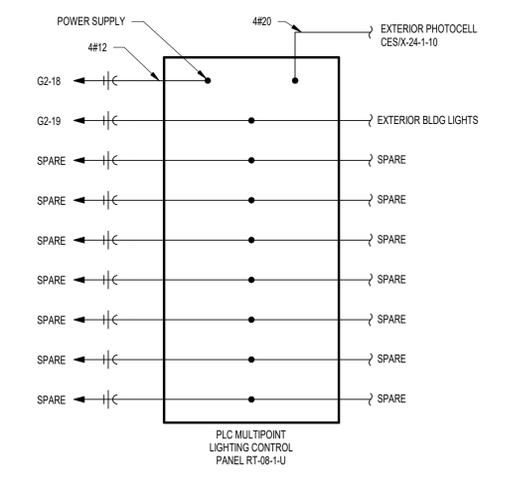
Branch Panel: G2
Location: CHECK IN/OUT 106
Supply From: F
Mounting: Surface
Enclosure: NEMA 1

Volts: 208V / 3Ø
Phases: 3
Wires: 4

A.I.C. Rating: 100 A
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Load Classification: Load Name	Trip	Poles	A	B	C	Poles	Trip	Load Classification: Load Name	CKT		
1	LTG: HVAC: LIGHTS @ 120,121,122,123	20 A	1	737 VA	1385...			1	20 A	LTG: LIGHTS @ 124,125,126,127	2	
3	RCP: RECEPTACLES @ 120 (PROVIDER'S)	20 A	1		800 VA	600 VA		1	20 A	RCP: RECEPTACLES @ 126 (EXAM)	4	
5	RCP: RECEPTACLES @ 121 (BACK HALL)	20 A	1				600 VA	600 VA	1	20 A	RCP: RECEPTACLES @ 124 (EXAM)	6
7	RCP: SINK RECEPT @ 122 (TOILET)	20 A	1	200 VA	600 VA			1	20 A	RCP: RECEPTACLES @ 125 (EXAM)	8	
9	RCP: DESK RECEPT @ 123 (MANAGER OFFICE)	20 A	1		1000... 800 VA			1	20 A	RCP: DESK RECEPT @ 127 (NURSE)	10	
11	RCP: DESK WALL RECEPT @ 123 (MGR OFFICE)	20 A	1			1000... 800 VA		1	20 A	RCP: DESK RECEPT @ 127 (NURSE)	12	
13	RCP: DESK RECEPT @ 127 (NURSE)	20 A	1	800 VA	600 VA			1	20 A	RCP: COUNTERTOPS @ 127 (NURSE)	14	
15	PWR: REFRIGERATOR @ 127 (NURSE)	20 A	1		1200... 1200...			1	20 A	PWR: REFRIGERATOR @ 127 (NURSE)	16	
17	LTG: LIGHTS @ 128 (HALL)	20 A	1				1335...	--	1	--	18	
19	RCP: RECEPTACLES @ 128 (HALL)	20 A	1	800 VA	437 VA			1	20 A	LTG: LIGHTS @ EXTERIOR OF BUILDING	20	
21	RCP: RECEPTACLES @ 128 (HALL) & 114	20 A	1		1000... 400 VA			1	20 A	RCP: TELEPHONE BOARD @ 107 (STORAGE)	22	
23	RCP: SCALES & RECEPT @ 128 (HALL) & 107	20 A	1			800 VA					24	
25	RCP: SCALES & RECEPT @ 128 (HALL)	20 A	1	800 VA							26	
27											28	
29											30	
31											32	
33											34	
35											36	
37	: SPARE	20 A	1	0 VA	0 VA			1	20 A	: SPARE	38	
39	: SPARE	20 A	1			0 VA	0 VA		20 A	: SPARE	40	
41	: SPARE	20 A	1					0 VA	0 VA	: SPARE	42	
Total Load:				6110 VA	7000 VA	5135 VA						
Total Amps:				52 A	60 A	43 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
RCP	12200 VA	90.98%	11100 VA	
PWR	2400 VA	100.00%	2400 VA	Total Conn. Load: 18236 VA
HVAC	77 VA	100.00%	77 VA	Total Est. Demand: 17137 VA
LTG	3577 VA	100.00%	3577 VA	Total Conn.: 51 A
				Total Est. Demand: 48 A



2 LIGHTING RELAY PANEL RP2
SCALE: 3/16" = 1'-0"

Branch Panel: G1
Location: CHECK IN/OUT 106
Supply From: F
Mounting: Surface
Enclosure: NEMA 1

Volts: 208V / 3Ø
Phases: 3
Wires: 4

A.I.C. Rating: 100 A
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Load Classification: Load Name	Trip	Poles	A	B	C	Poles	Trip	Load Classification: Load Name	CKT	
1	LTG: LIGHTS @ 101 (WAITING)	20 A	1	843 VA	600 VA			1	20 A	RCP: RECEPTACLES @ 109 (EXAM)	2
3	RCP: RECEPTACLES & TV @ 101 (WAITING)	20 A	1		1260... 600 VA			1	20 A	RCP: RECEPTACLES @ 110 (EXAM)	4
5	RCP: RECEPTACLES & TV @ 101 (WAITING)	20 A	1			1060... 600 VA		1	20 A	RCP: RECEPTACLES @ 111 (EXAM)	6
7	LTG: HVAC: LIGHTS @ 102,103,104,105	20 A	1	403 VA	600 VA			1	20 A	RCP: RECEPTACLES @ 112 (EXAM)	8
9	RCP: RECEPT @ 102 (TOILET)	20 A	1		200 VA	600 VA		1	20 A	RCP: RECEPTACLES @ 113 (EXAM)	10
11	RCP: COUNTERTOPS @ 103 (LAB)	20 A	1			400 VA	600 VA	1	20 A	LTG: LIGHTS @ 114,115,116,117,118,119	12
13	PWR: REFRIGERATOR @ 103 (LAB)	20 A	1	1200... 600 VA				1	20 A	RCP: RECEPTACLES @ 115 (EXAM)	14
15	PWR: REFRIGERATOR @ 103 (LAB)	20 A	1		1200... 600 VA			1	20 A	RCP: RECEPTACLES @ 116 (EXAM)	16
17	PWR: FREEZER @ 103 (LAB)	20 A	1			1200... 600 VA		1	20 A	RCP: RECEPTACLES @ 117 (EXAM)	18
19	RCP: RECEPT @ 104 (TOILET)	20 A	1	200 VA	600 VA			1	20 A	RCP: RECEPTACLES @ 118 (EXAM)	20
21	RCP: RECEPTACLES @ 105 (VISION/HEARING)	20 A	1		600 VA	400 VA		1	20 A	RCP: WALL RECEPT @ 119 (PHONE NURSE)	22
23	LTG: LIGHTS @ 106,107,108	20 A	1			680 VA	800 VA	1	20 A	RCP: DESK RECEPT @ 119 (PHONE NURSE)	24
25	RCP: DESK RECEPT @ 106 (CHECK-IN/OUT)	20 A	1	800 VA							26
27	RCP: DESK RECEPT @ 106 (CHECK-IN/OUT)	20 A	1		800 VA						28
29	RCP: PRINTER @ 106 (CHECK-IN/OUT)	20 A	1								30
31	RCP: RECEPTACLES @ 108 (EXAM)	20 A	1	600 VA							32
33	LTG: LIGHTS @ 109,110,111,112,113	20 A	1		600 VA						34
35											36
37	: SPARE	20 A	1	0 VA	0 VA			1	20 A	: SPARE	38
39	: SPARE	20 A	1		0 VA	0 VA			20 A	: SPARE	40
41	: SPARE	20 A	1			0 VA	0 VA	1	20 A	: SPARE	42
Total Load:				6446 VA	6860 VA	7140 VA					
Total Amps:				54 A	58 A	60 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
RCP	13720 VA	86.44%	11860 VA	
PWR	3600 VA	100.00%	3600 VA	Total Conn. Load: 20446 VA
HVAC	103 VA	100.00%	103 VA	Total Est. Demand: 18586 VA
LTG	3023 VA	100.00%	3023 VA	Total Conn.: 57 A
				Total Est. Demand: 52 A

Revision Schedule	Description
Rev. #	Date

NWA PEDIATRICS ADDITION
3730 S PINNACLE HILLS PKWY #3
ROGERS, AR 72758

MANA
3383 N MANA CT, SUITE 201
FAYETTEVILLE, AR 72703

DATE	DRAWN BY
Issue Date	Designer
PROJECT #	CHECKED BY
2438	Checker