

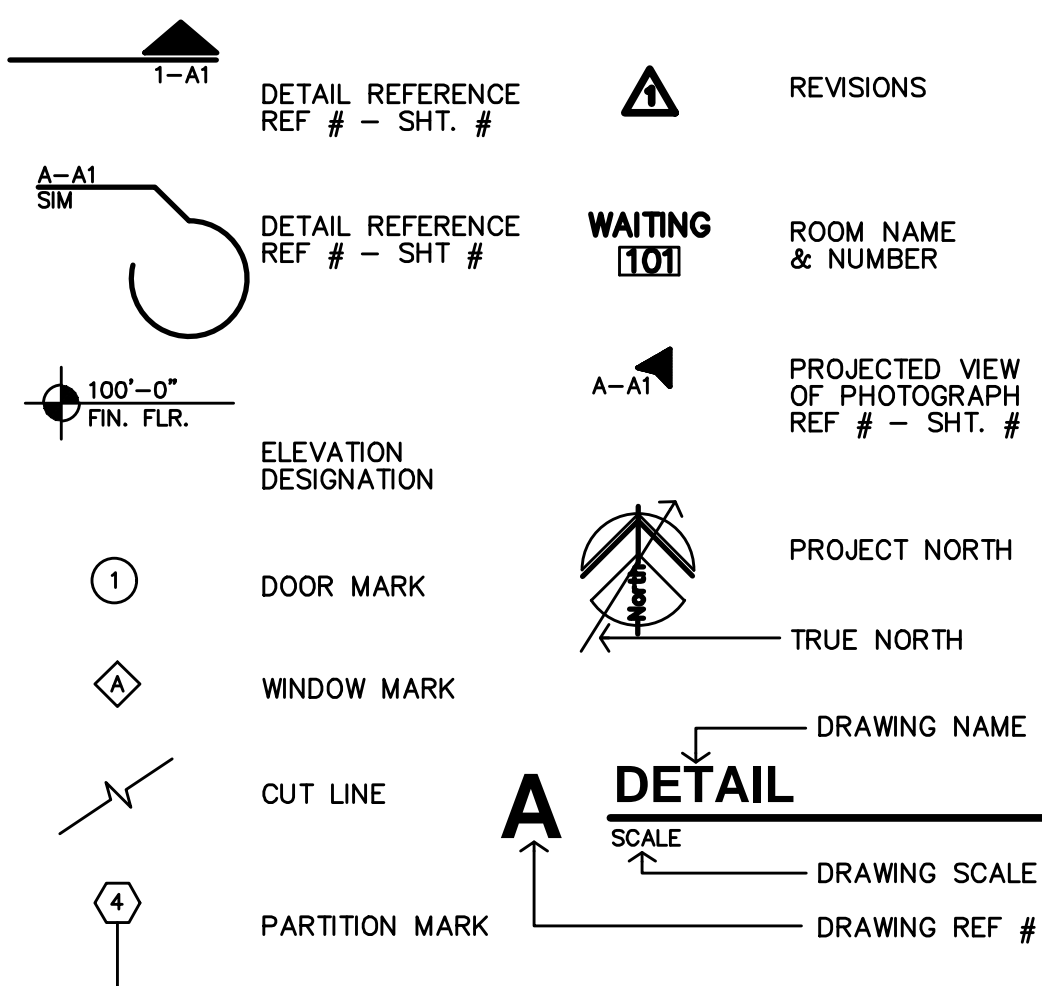
ROSSVILLE FAMILY DENTAL

443 MAIN ST
22-3211

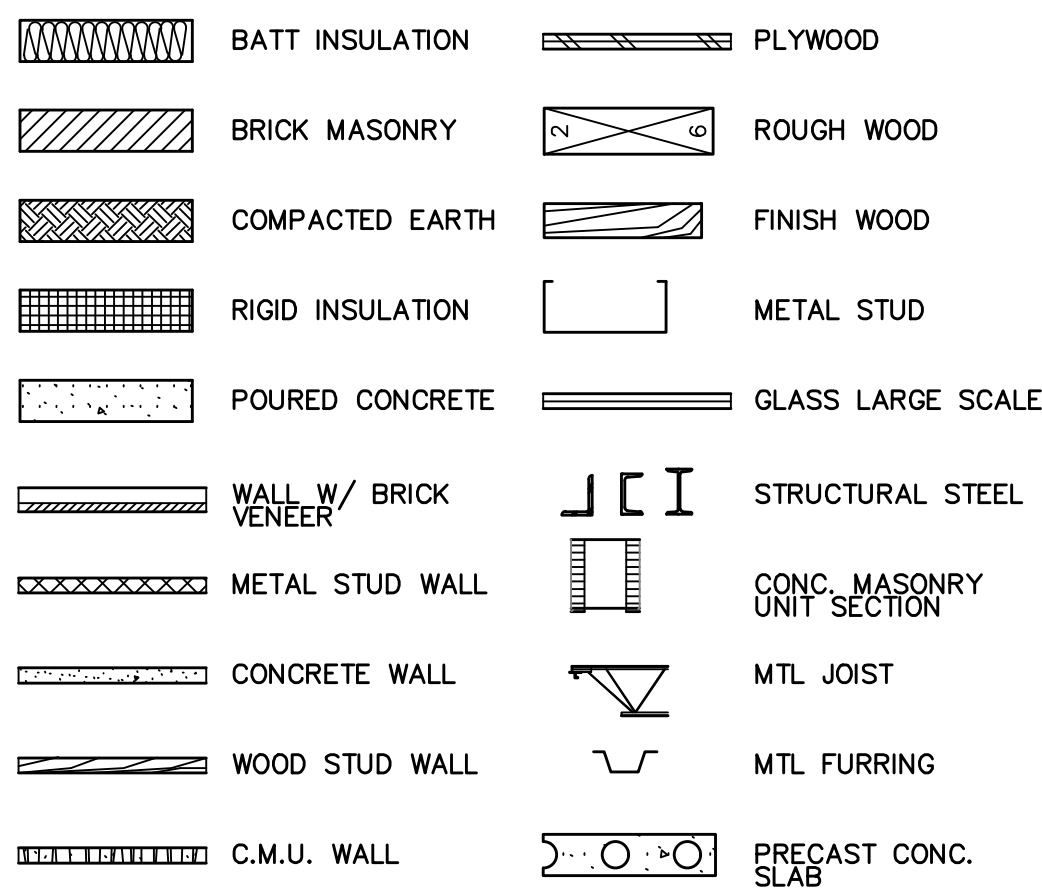
ROSSVILLE,

KANSAS

REFERENCE LEGEND



MATERIAL LEGEND



ABBREVIATIONS

&	AND	Cntr.	Center	Exp.	Expansion	Hr.	Hour	N.I.C.	North	Reinf.	Reinforced	Temp.	Tempered
∠	Angle	Col.	Column	Ext.	Exterior	Hgt.	Height	N.I.C.	Not In Contract	Req'd	Required	Requ'd	Requ'd
AT	At	Conc.	Concrete	F.A.	Fire Alarm	I.D.	Inside Diameter	No. or #	Number	Resil.	Resilient	Thk.	Thick
CL	Centerline	C.T.	Ceramic Tile	F.D.	Fire Alarm	Insul.	Insulation	Nom.	Nominal	Rm.	Room	T.O.M.	Top Of Masonry
Ø	Diameter or Round	CMU	Concrete Masonry Unit	Fdn.	Foundation	Int.	Interior	N.T.S.	Not To Scale	R.O.	Rough Opening	T.O.S.	Top Of Steel
#	Pound or Number	Ctr.	Center	F.E.	Fire Extinguisher	Lab.	Laboratory	O/	On or Over	S.	South	T.P.D.	Toilet Paper Dispenser
Acous.	Acoustical	Dbl.	Double	F.E.C.	Finish	Lam.	Laminate	Obs.	Obscure	S.B.	Splash Block	T.V.	Television
Adj.	Adjustable	Det.	Detail	Fin.	Finish	Lav.	Lavatory	O.C.	On Center	S.C.	Solid Core	T.W.	Tackwall
A.F.F.	Above Finished Floor	D.F.	Drinking Fountain	Fl.	Flashing	Lkr.	Locker	O.D.	Outside	Sched.	Schedule	Typ.	Typical
Aggr.	Aggregate	Dia.	Diameter	Fl.	Flashing	Lt.	Light	Off.	Office	S.D.	Soap Dispenser	Trd.	Tread
Al.	Aluminum	Dim.	Dimension	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Sect.	Section	U.O.N.	Unless Otherwise Noted
Arch.	Architect or Architectural	Dn.	Down	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Asb.	Asbestos	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Asph.	Asphalt	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
A.V.	Audio Visual	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Bd.	Board	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Bitum.	Bituminous	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Bldg.	Building	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Blk.	Block	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Blk.g.	Blocking	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Bm.	Beam	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Bot.	Bottom	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Bot.	Bottom	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Br.	Bearing	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Brk.	Brick	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Cab.	Cabinet	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Cg.	Ceiling	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal
Cf.	Clear	Dw.	Downspout	Fl.	Flashing	Lt.	Light	Opp.	Opposite	Shr.	Shower	Ur.	Urinal

SHEET INDEX

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CFP CODE FOOTPRINT
ADA ADA DIAGRAMS

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S2.1 FOUNDATION PLAN
S2.2 FRAMING PLAN

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D1.1 DEMO SITE PLAN
D2.1 DEMO FLOOR PLAN
D2.2 PHOTOS
D3.1 DEMO ELEVATIONS

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M1.1 MECHANICAL PLAN
M1.2 WASTE & VENT PLAN
M1.3 DOMESTIC WATER, GAS & COMPRESSED AIR PLAN
M6.1 SCHEDULES & DETAILS

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A3.1 EXTERIOR ELEVATIONS
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A7.1 REFLECTED CEILING PLAN
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A8.1 INTERIOR ELEVATIONS
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ELECTRICAL

E1.1 LIGHTING PLAN
E1.2 POWER PLAN
E1.3 SPECIAL SYSTEMS PLAN
E6.1 SCHEDULES

DENTAL EQUIPMENT

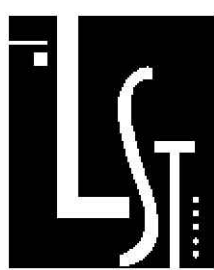
8 SHEETS

ALTERNATES

ALT 1	REMOVE FIREPLACE COMPLETELY
ALT 2	NEW CONCRETE PARKING
ALT 3	REMOVE EXISTING DRIVE-THRU CANOPY, COLUMNS & ISLAND
ALT 4	REMOVE BUILT UP FREEZE TRIM & INSTALL NEW EFIS TRIM
ALT 5	STERILIZATION CABINETRY AT ROOM 115

CONSULTANTS

Mechanical & Electrical Engineer ;



LST Consulting Engineers, PA

4809 Vue Du Lac Place, Suite 301
MANHATTAN, KS. 66503
ph. (785) 587-8042
fax (785) 587-8039
mail@LSTengineers.com

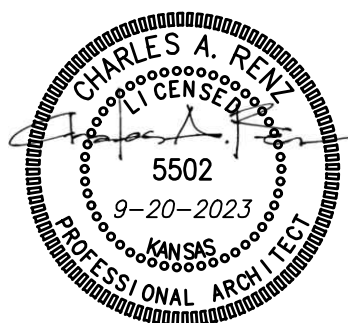
Structural Engineer ;



Bob D. Campbell & Co., Inc.

4338 Belleview
Kansas City, MO 64111
816.531.4144; FAX 816.531.8572
info@bdc-engrs.com

PERMIT SET 9-20-2023



REVISION:

DATE: 9-20-2023

JOB: 22-3211

SHEET NO.:

PROJECT INFORMATION

TYPE OF CONSTRUCTION NEW CONSTRUCTION
FACILITY/OWNER NAME SPROUT HOUSE LEARNING CENTER
FACILITY/OWNER ADDRESS 1111 WELLS FARGO ROAD
LINDSBORG, KS 67456
REASON FOR SUBMITTAL NEW CONSTRUCTION
COUNTY McPHERSON
FIRE DEPARTMENT CITY OF LINDSBORG
WATER SUPPLY CITY OF LINDSBORG
BUILDING INSPECTION DEPT CITY OF LINDSBORG
AUTHORITY HAVING JURISDICTION CITY OF LINDSBORG
ARCHITECT JONES GILLAM RENZ ARCHITECTS
730 N. NINTH ST.
SALINA, KS 67401
ph: 785-827-0386
fax: 785-827-0392

CODES/REGULATIONS
2018 INTERNATIONAL BUILDING CODE 2010 ADA STANDARDS for ACCESSIBLE DESIGN
2018 INTERNATIONAL MECHANICAL CODE KANSAS FIRE PREVENTION CODE
2018 INTERNATIONAL PLUMBING CODE NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS
2017 NATIONAL ELECTRIC CODE NFPA 72 - FIRE ALARM SYSTEMS
2018 INTERNATIONAL FIRE CODE

NOTE: WHERE LOCALLY ADOPTED CODE (2015 IBC)
AND KSFMO ADOPTED CODE CONFLICT, PLEASE
NOTE THAT THE MOST RESTRICTIVE CODE SHALL
TAKE PRECEDENT

LEGEND

DESIGNATED
EMERGENCY EXIT 68" / 24.4" — EXIT WIDTH (ACTUAL/REQUIRED)
122 / 340 — OCCUPANT LOAD (ACTUAL/ALLOWED)

0 HOUR CONSTRUCTION

EMERGENCY LIGHT
EMERGENCY / EXIT LIGHT
EXIT LIGHT
FIRE EXTINGUISHER
FIRE HYDRANT (PROPOSED & EXISTING)
FIRE ALARM CONTROL PANEL
FIRE ALARM ANNUNCIATOR PANEL
FIRE DEPARTMENT CONNECTION

OCCUPANCY GROUP (AU - ACCESSORY USE)	B
OCCUPANCY USE	TREATMENT
ROOM SQUARE FOOTAGE/OCCUPANT LOAD FACTOR	145 100
OCCUPANT LOAD/REQUIRED NUMBER OF EXITS	2 1

CODE INFORMATION

OCCUPANCY OVERALL: B DENTAL CONSTRUCTION TYPE: V-B
OCCUPANCY BASE B 9,500 SF
ALLOWABLE AREA:
ALLOWABLE AREA: (NON-SEPARATED USES, PER IBC SECTION 508.3) ACTUAL BUILDING AREA: 5,608 SF

BASE ALLOWABLE	9,000 SF
FRONTAGE INCREASE (50%)	4,500 SF
SPRINKLER INCREASE	NA
ALLOWABLE AREA	13,500 SF
ALLOWABLE STORIES: (PER IBC TABLE 504.4)	2
BASE ALLOWABLE	2
SPRINKLER INCREASE	NA
ALLOWABLE STORIES	2
ALLOWABLE HEIGHT: (PER IBC TABLE 504.3)	29'
BASE ALLOWABLE	40'
SPRINKLER INCREASE	NA
ALLOWABLE HEIGHT	40'

FIRE RESISTANCE RATING FOR BUILDING ELEMENTS - V-B

STRUCTURAL FRAME:	0 HR
INTERIOR BEARING WALLS:	0 HR
INTERIOR NON-BEARING WALLS:	0 HR
EXTERIOR BEARING WALLS:	0 HR
EXTERIOR NON-BEARING WALLS:	0 HR
FLOOR/CEILING:	0 HR
CEILING/ROOF:	0 HR
SHAFT ENCLOSURES:	1 HR
STAIRS:	0 HR

OCCUPANCY SEPARATIONS: (PER IBC SEC. 508.3)
ALLOWABLE AREA & HEIGHT CALCULATIONS ARE BASED ON THE MOST
RESTRICTIVE USE. DIFFERENT USES ARE NOT SEPARATED BY FIRE BARRIERS.

ROOF COVERINGS
CLASS C OR BETTER
INCIDENTAL SEPARATIONS: (PER IBC TABLE 509)
NONE REQUIRED

SPECIAL CONDITIONS:
EXIT & EMERGENCY LIGHTING, PORTABLE FIRE EXTINGUISHERS
EGRESS - NO STEPS EXISTING OR PROPOSED AT FRONT EXIT
FIRE ALARM REQUIREMENTS:
NOT REQUIRED, NOT PROVIDING

AUTOMATIC FIRE SUPPRESSION SYSTEM:
NOT REQUIRED, NOT PROVIDING

EMERGENCY POWER SOURCE:
EXIT SIGNS, EXIT ILLUMINATION & EMERGENCY LIGHTING IS BY BATTERY BACK-UP
HAZARDOUS MATERIALS: (PER IBC TABLE 307.1(1))
NO HAZARDOUS MATERIALS ARE TO BE STORED

SMOKE CONTROL: SMOKE PARTITIONS: STANDPIPES:
NOT REQUIRED NOT REQUIRED NOT REQUIRED

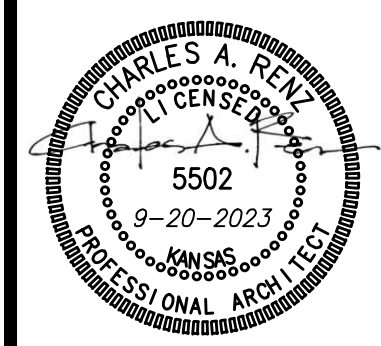
DRAFTSTOPPING: REQUIRED PER 718.4 ex.,

ASSEMBLY
SIGNS TO BE MOUNTED IN ASSEMBLY AREAS OF MAXIMUM OCCUPANT LOAD
TOTAL OCCUPANT LOAD: 123 OCCUPANTS (CALCULATED)

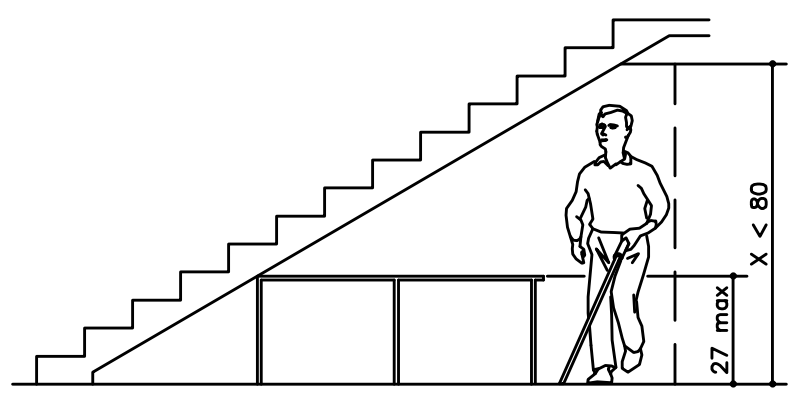
EXITING: REFERENCE PLAN

OCCUPANT LOAD FACTORS: (PER TABLE 1004.5 and 1006.3)

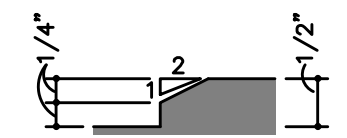
OCCUPANCY	USE	LOAD FACTOR	MAX.OCC./STRY 1	EXIT
B	MULTI-PURPOSE	15 sf/OCCUPANT	49	
B	WAITING RM	15 sf/OCCUPANT	49	
B	OFFICES	100 sf/OCCUPANT	49	
B	MECH/STG	300 sf/OCCUPANT	29	
B	TREATMENT ROOMS	100 sf/OCCUPANT	49	



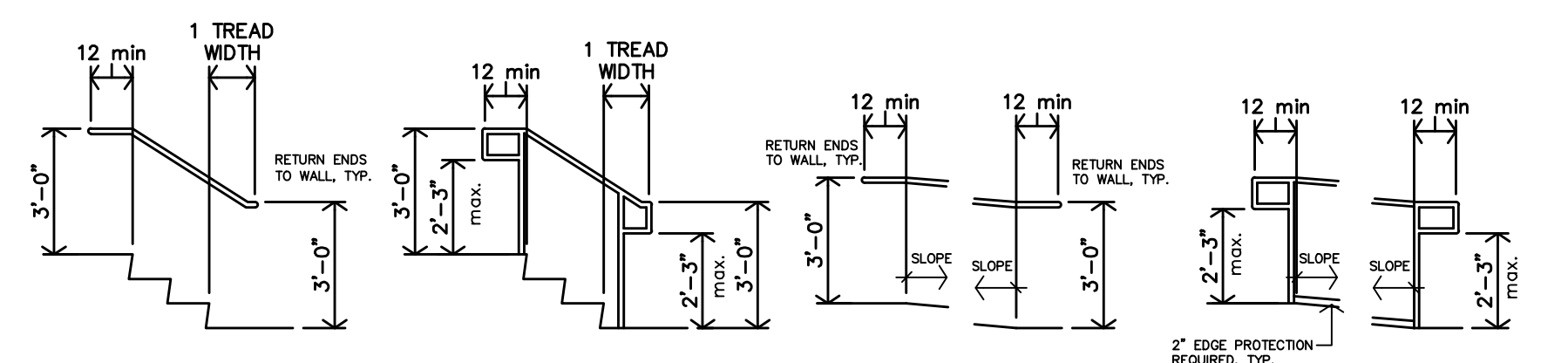
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JOB: 22-3211
SHEET NO.: _____



Vertical Clearance



Beveled Change in Level

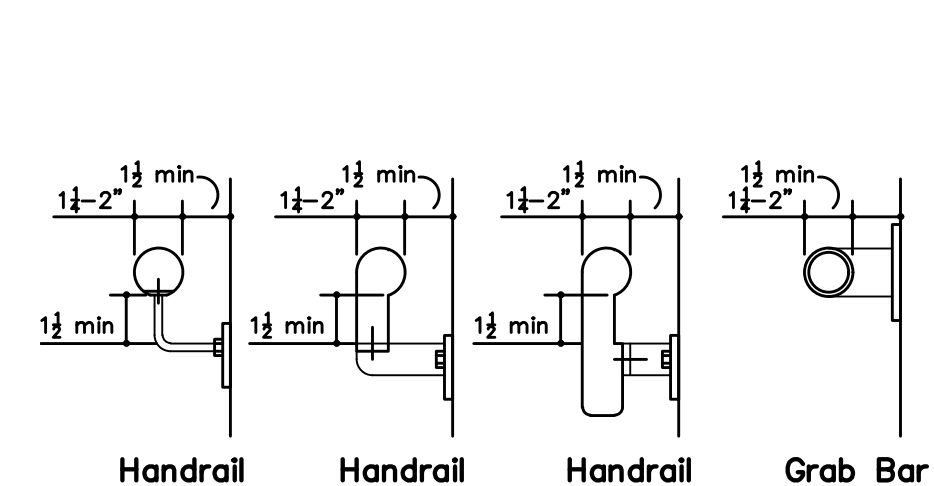


Stair Handrail Extensions at Walls
Stair Handrail Extensions at Freestanding Handrails
Ramp Handrail Extensions at Walls
Ramp Handrail Extensions at Freestanding Handrails

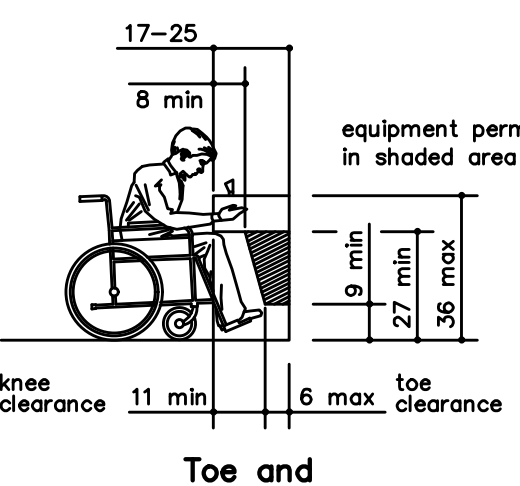
N STANDARD VERTICAL CLEARANCE
NO SCALE

M THRESHOLD ADA DIAGRAMS
NO SCALE

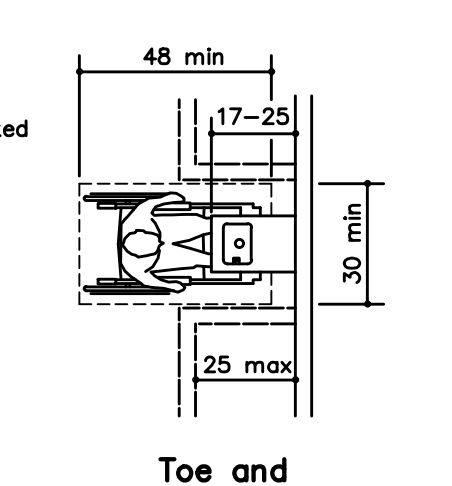
L STANDARD RAMP/STAIR HANDRAIL EXTENSIONS
NO SCALE



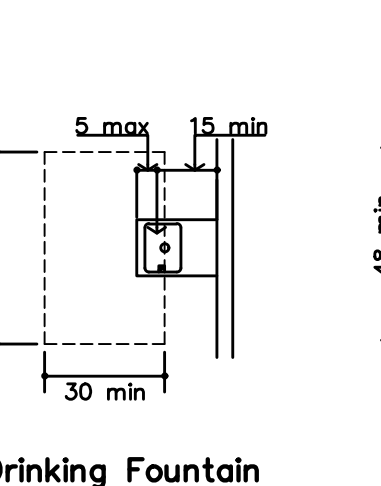
Handrail
Handrail
Handrail
Grab Bar



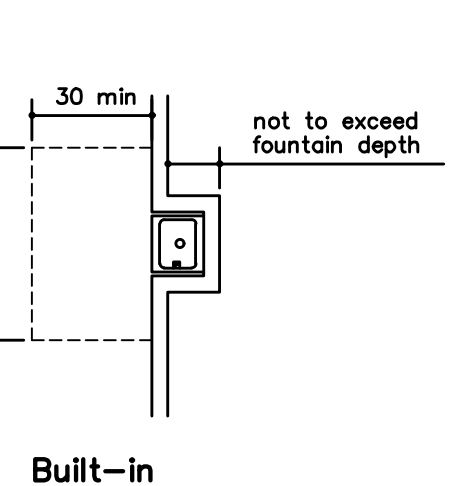
Toe and Knee Clearance Elevation



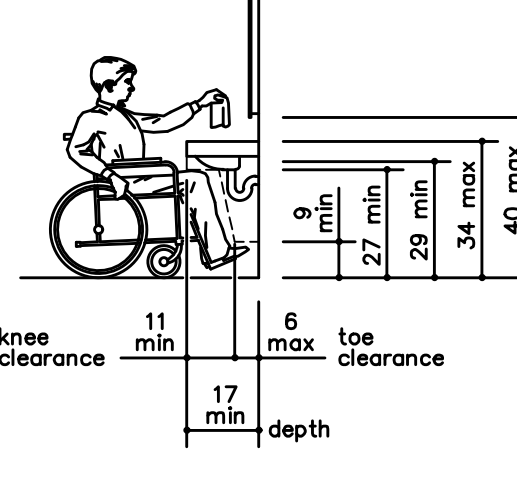
Toe and Knee Clearance Plan



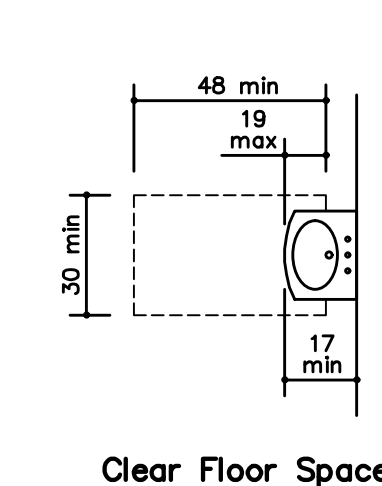
Drinking Fountain Spout Location



Built-in Fountain or Cooler



Lavatory Clearances

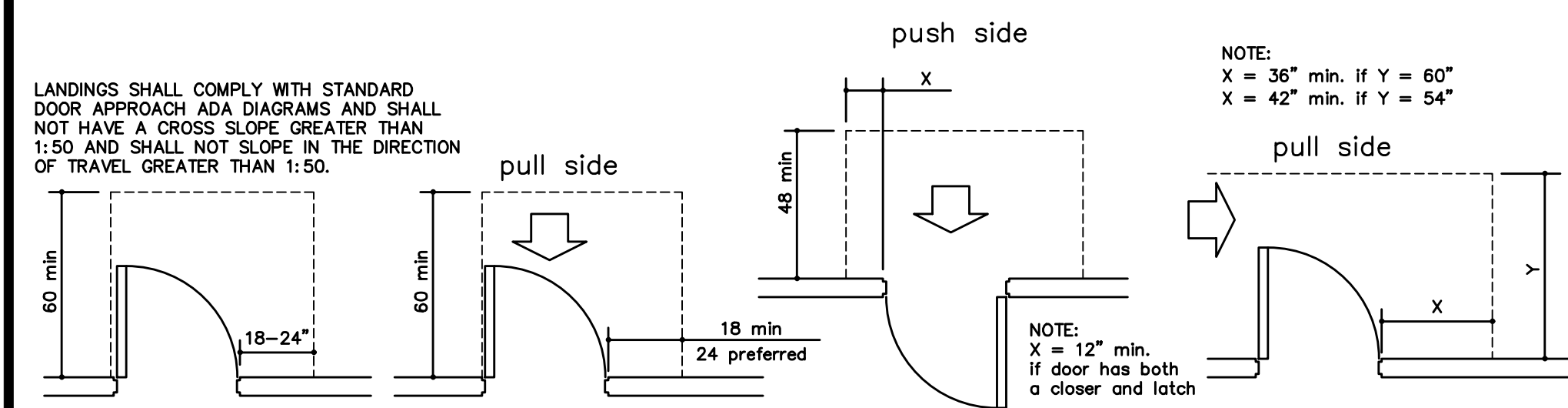


Clear Floor Space at Lavatories

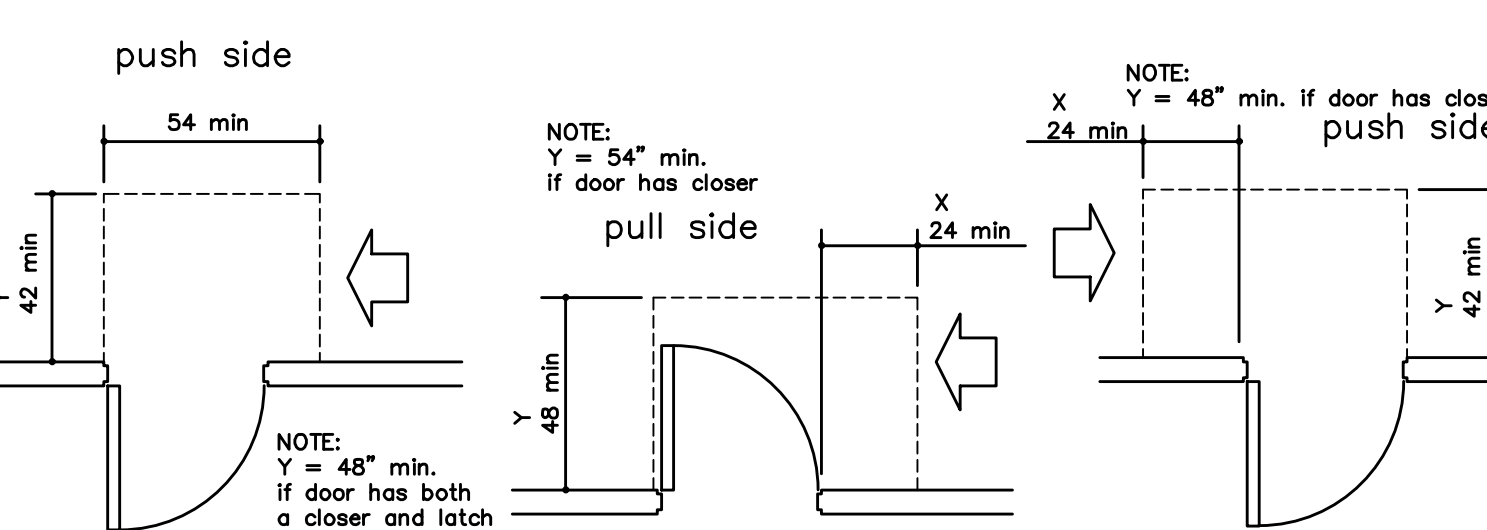
K STANDARD HANDRAIL/GRAB BAR DETAILS
NO SCALE

J STANDARD DRINKING FOUNTAIN DETAILS
NO SCALE

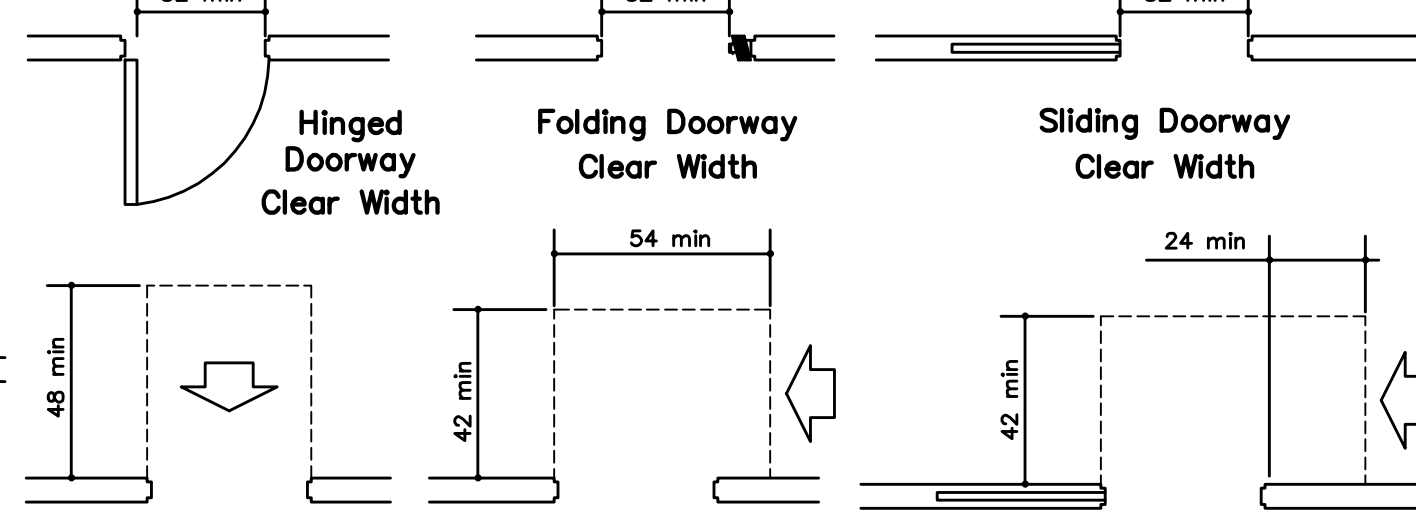
H STANDARD LAVATORY DETAILS
NO SCALE



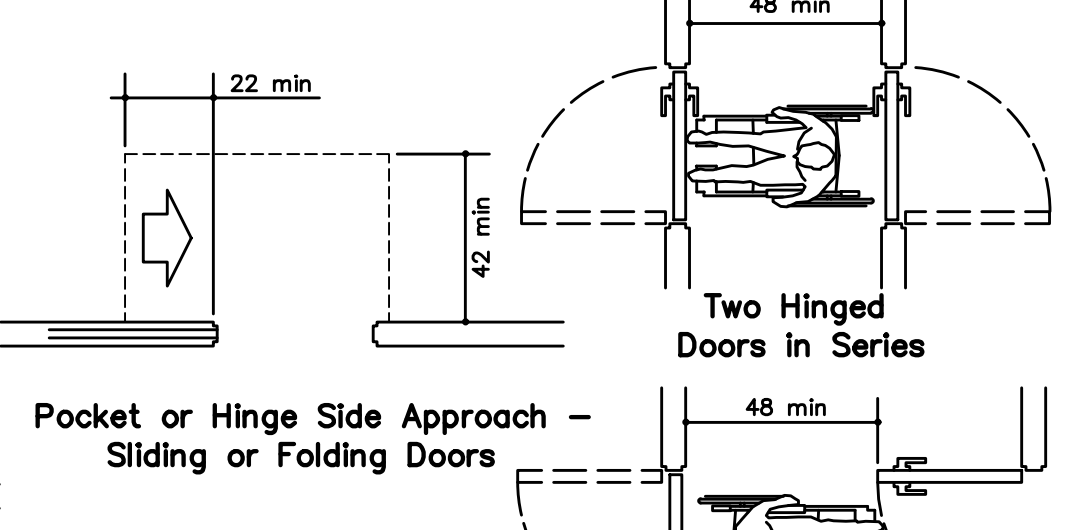
Exterior Landing
Front Approach - Swinging Door
Front Approach - Swinging Door
Hinge Side Approach - Swinging Door



Side Approach - Swinging Door
Latch Side Approach - Swinging Door
Latch Side Approach - Swinging Door

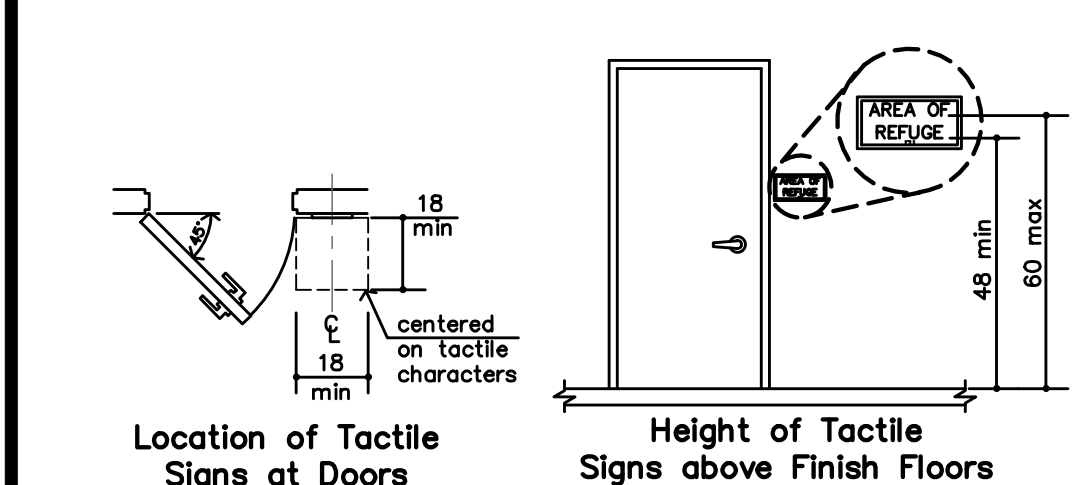


Hinged Doorway Clear Width
Folding Doorway Clear Width
Sliding Doorway Clear Width

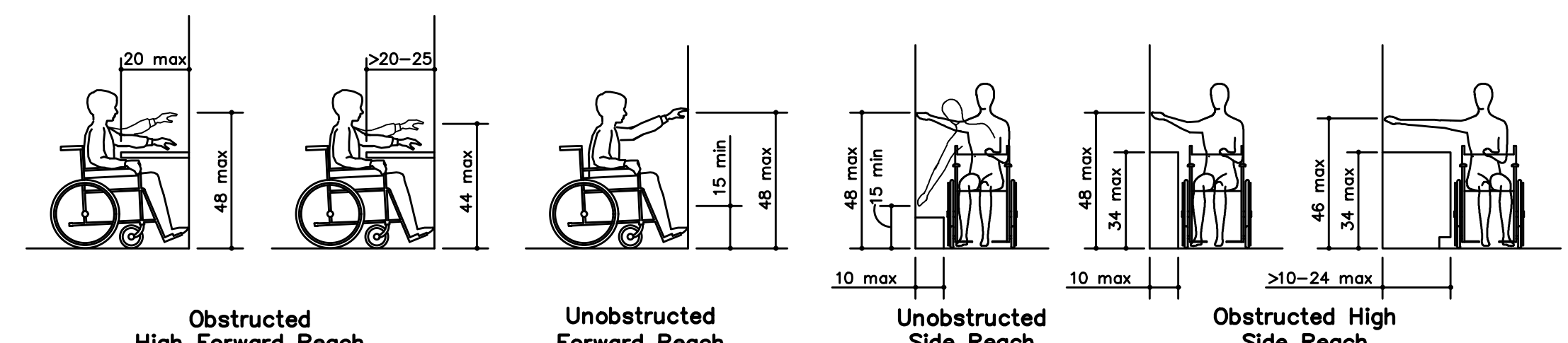


Pocket or Hinge Side Approach - Sliding or Folding Doors
Stop or Latch Side Approach - Sliding or Folding Doors
Two Hinged Doors in Series

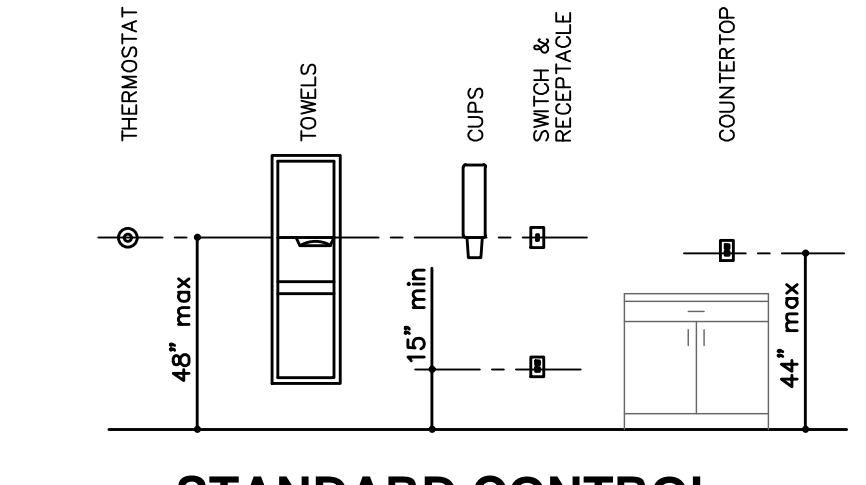
H STANDARD DOOR APPROACH ADA DIAGRAMS
NO SCALE



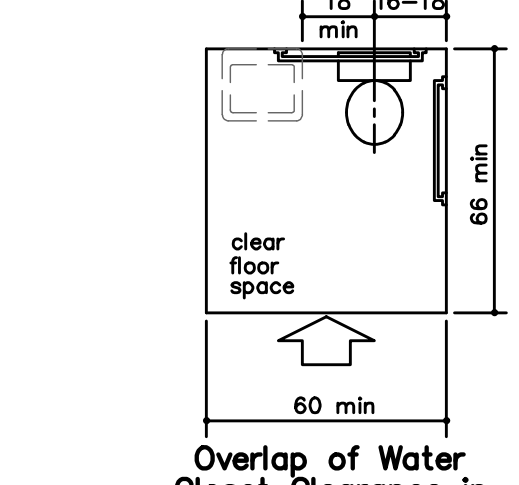
G TACTILE SIGN DIAGRAM
NO SCALE



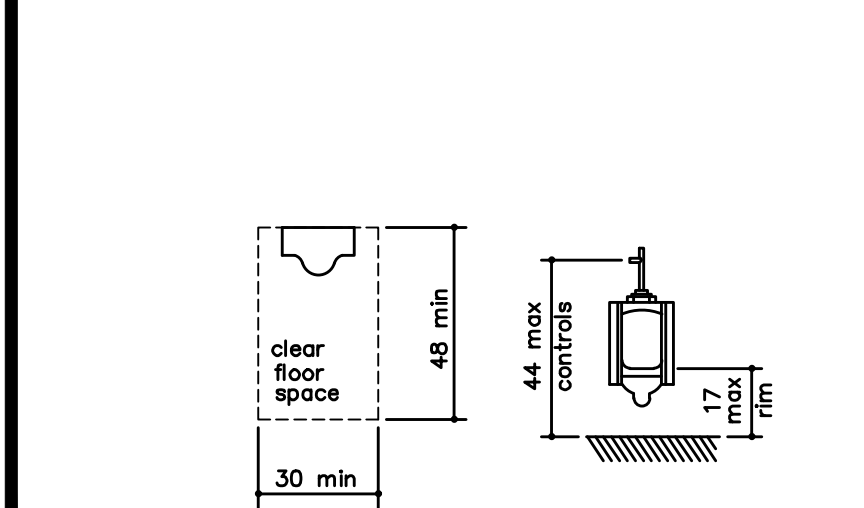
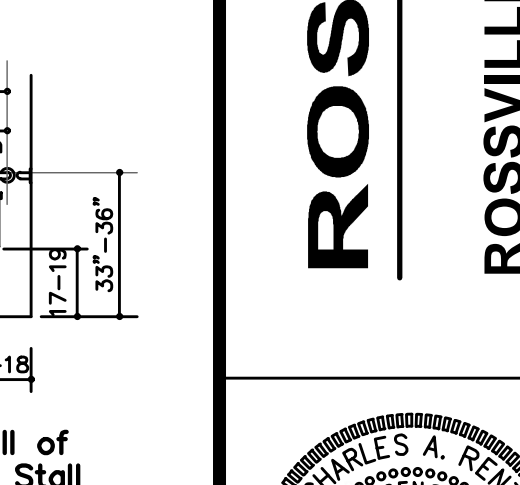
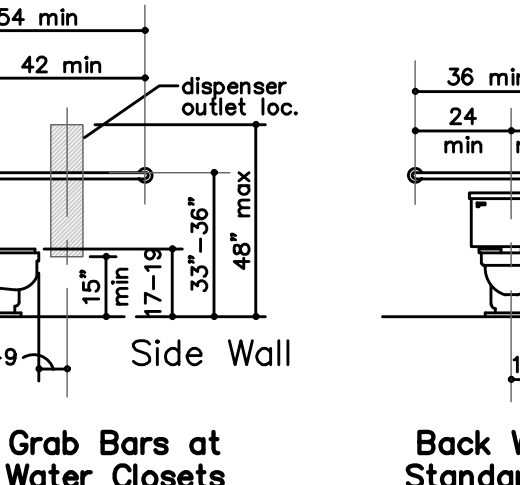
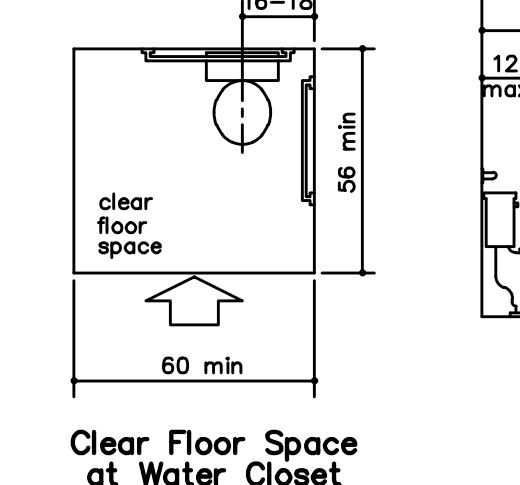
F STANDARD REACH ADA DIAGRAMS
NO SCALE



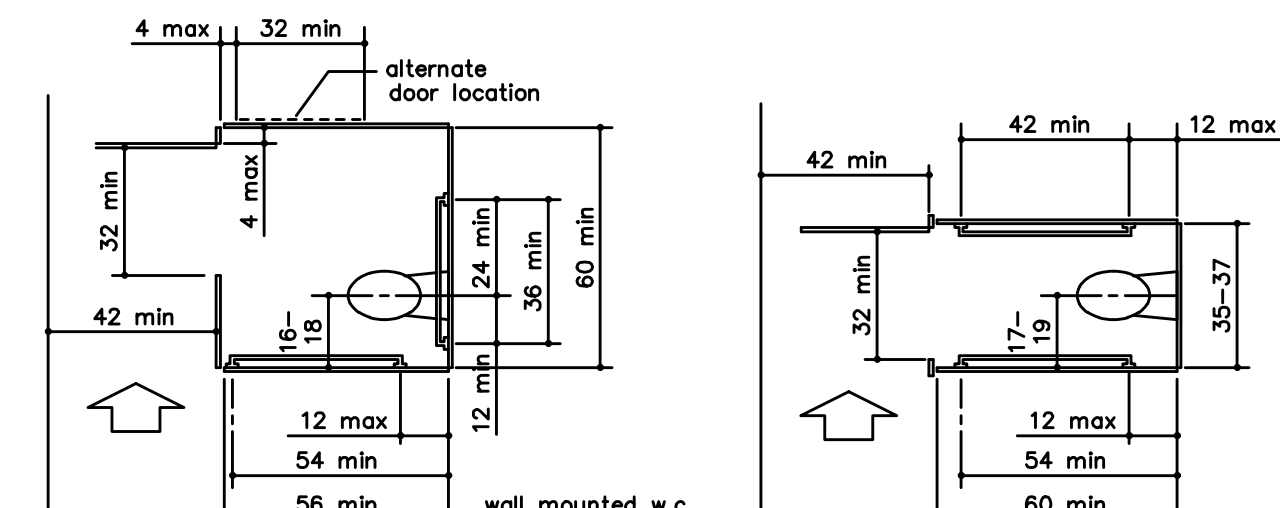
E STANDARD CONTROL REACH LIMITATIONS DETAILS
NO SCALE



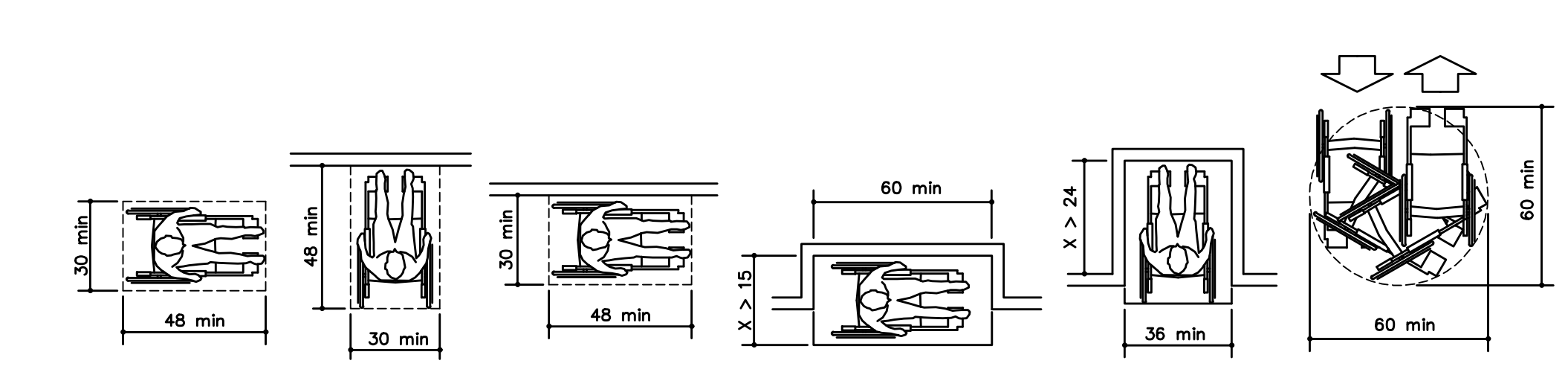
D STANDARD TOILET ADA DIAGRAMS
NO SCALE



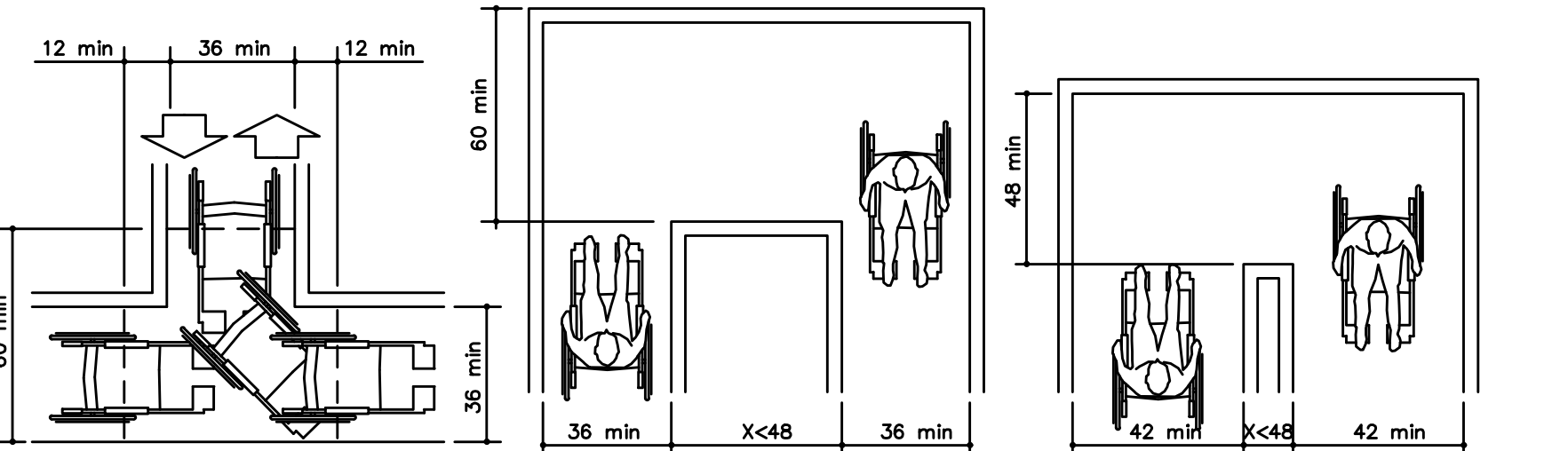
C STANDARD URINAL ADA DIAGRAMS
NO SCALE



B STANDARD TOILET STALL ADA DIAGRAMS
NO SCALE



A STANDARD ADA DIAGRAMS
NO SCALE



D STANDARD TOILET ADA DIAGRAMS
NO SCALE

FOR REFERENCE ONLY



PHOTO 5



PHOTO 4



PHOTO 3



PHOTO 2



PHOTO 1



PHOTO 7



PHOTO 6



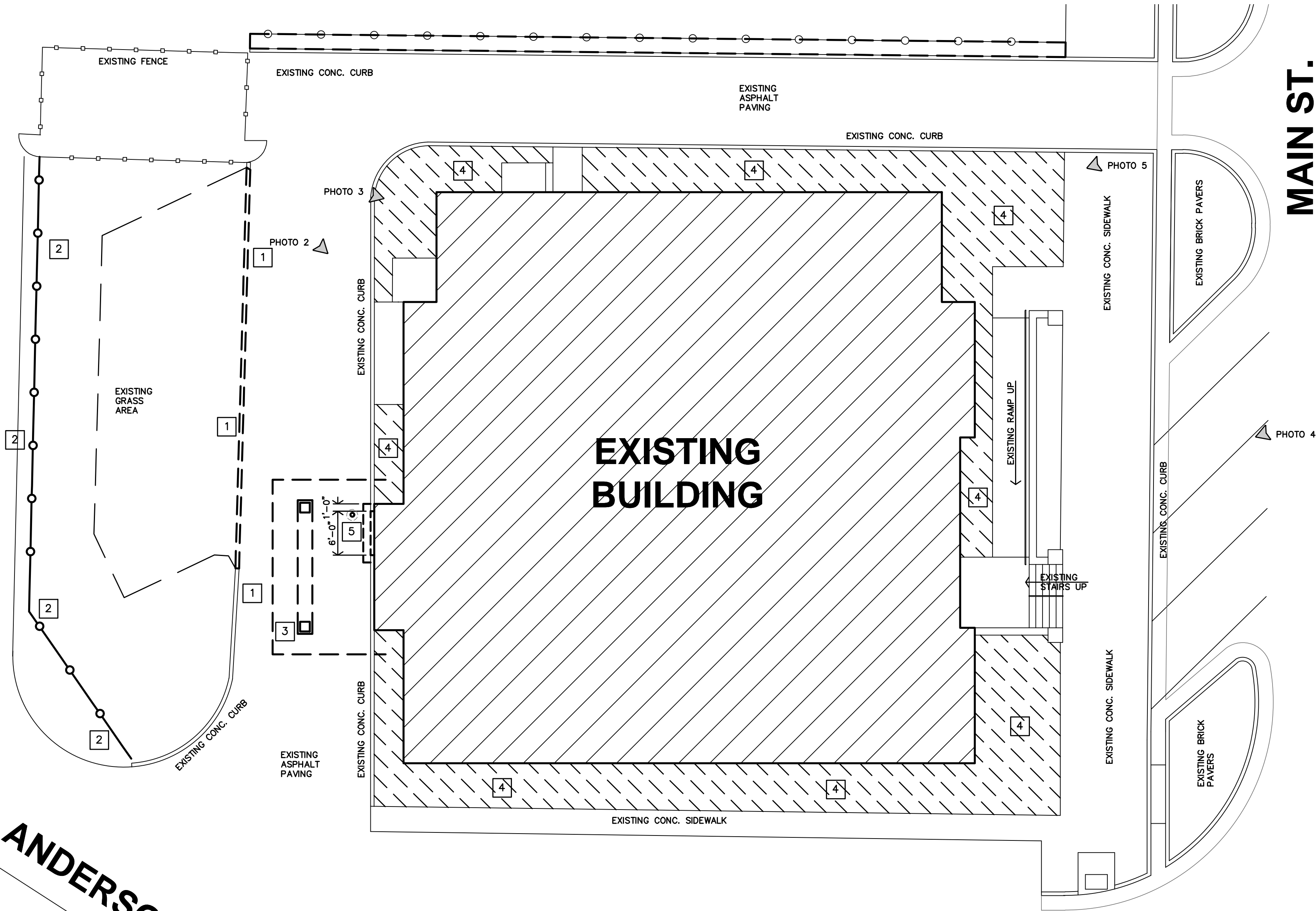
PHOTO 8

DEMOLITION NOTES

- GENERAL**
1. AT ALL EXISTING WALLS BEING PAINTED: PATCH ALL HOLES, DENTS, SCRATCHES, ETC., AND SKIM WALLS PRIOR TO APPLYING NEW PAINT.
 2. WHERE EXISTING BUILDING COMPONENTS ARE TO BE REMOVED: PATCH & REPAIR THE SURFACES TO MATCH EXISTING, UNLESS NOTED OTHERWISE.
 3. REMOVE EXISTING BUILDING COMPONENTS AS INDICATED, IMPLIED OR AS REQUIRED SCHEMATICALLY SHOWN AS DASHED LINES. FIELD VERIFY ALL LOCATIONS.
 4. SHORING OF EXISTING STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
 5. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE DEMOLITION BY DIFFERING TRADES.
 6. CONTRACTOR COORDINATE LOCATION OF ANY OR ALL EXISTING RECEPTACLES, SWITCHES, DEVICES, ETC. PRIOR TO DEMOLITION, RELOCATED OR ABANDON ACCORDINGLY. REMOVE WIRE TO SOURCE, INSTALL BLANK COVER PLATE AT ABANDONED RECEPTACLES.
 7. ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK SHALL BE PERFORMED BY CONTRACTORS LICENSED FOR TYPE OF WORK. CONTRACTORS SHALL COORDINATE PERMIT REQUIREMENTS IF DEMOLITION SCOPE INVOLVES WORK REQUIRING A PERMIT.
 8. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL REMOVED COMPONENTS. CONTRACTOR SHALL COORDINATE WITH OWNER ALL OTHER ITEMS SHALL BE HAULED FROM SITE AND DISPOSED BY CONTRACTOR.

SPECIFIC

- 1 SAWCUT & REMOVE EXISTING CONC. CURB FOR NEW PARKING PER ALT. 2
- 2 REMOVE EXISTING FENCE
- 3 REMOVE EXISTING DRIVE-THRU MASONRY COLUMNS, CONCRETE ISLAND & CANOPY PER ALT. 3, REF ORIGINAL DRAWINGS DETAIL 2/A6
- 4 REMOVE EXISTING LANDSCAPE MATERIAL & VEGETATION. PREP FOR NEW SEED, PLANTINGS, ETC.
- 5 SAWCUT & REMOVE EXISTING CURB & PARTIAL DRIVEWAY @ NEW DOOR.



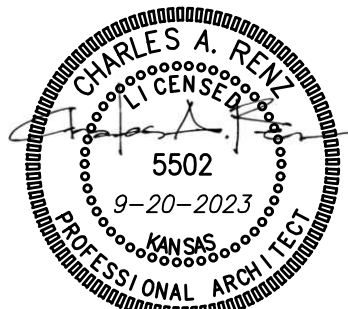
W. PERRY ST.

ANDERSON ST.

MAIN ST.



A DEMOLITION SITE PLAN
1"=10'-0"



REVISION: _____
DATE: 9-20-2023
JOB: 22-3211
SHEET NO.:

D1.1

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ROSSVILLE FAMILY DENTAL
443 MAIN ST
ROSSVILLE, KANSAS

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PHOTO 5

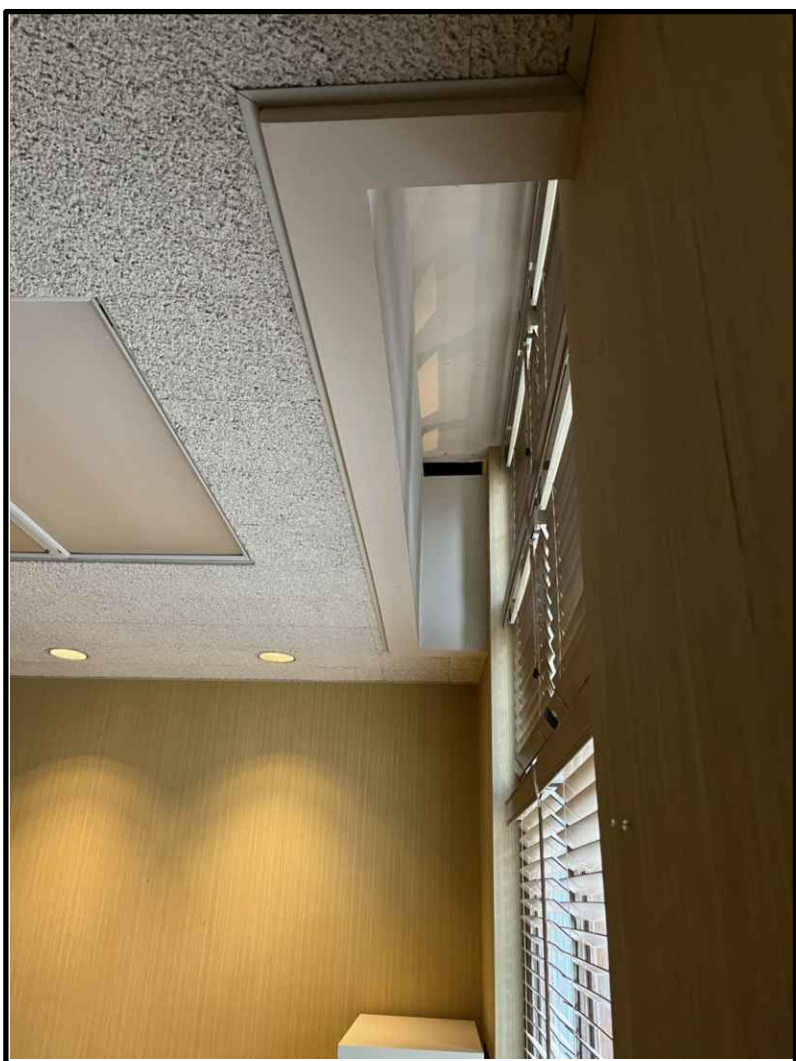


PHOTO 4

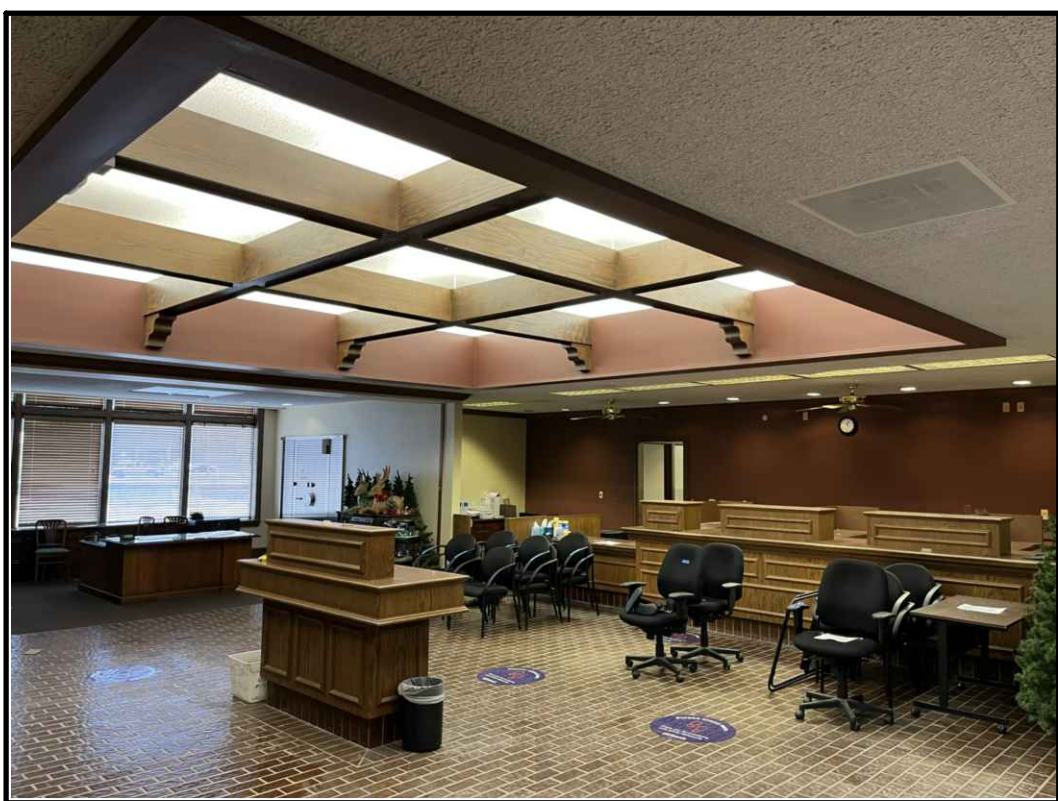


PHOTO 3

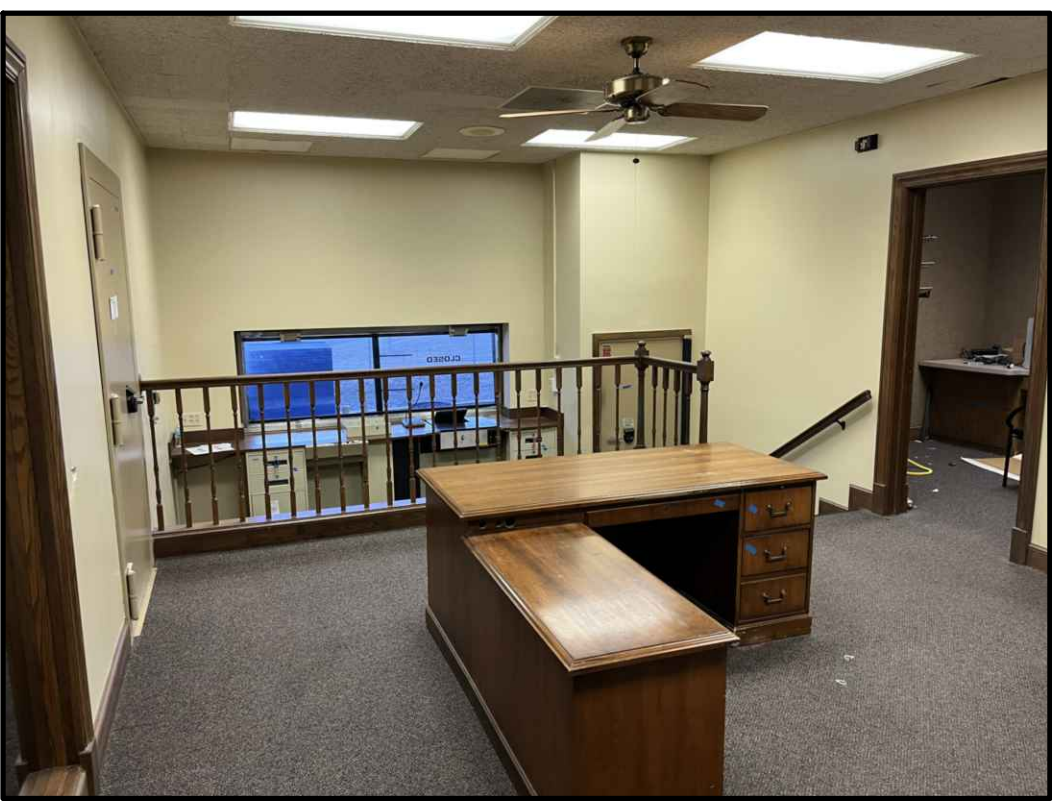


PHOTO 2



PHOTO 1



PHOTO 10

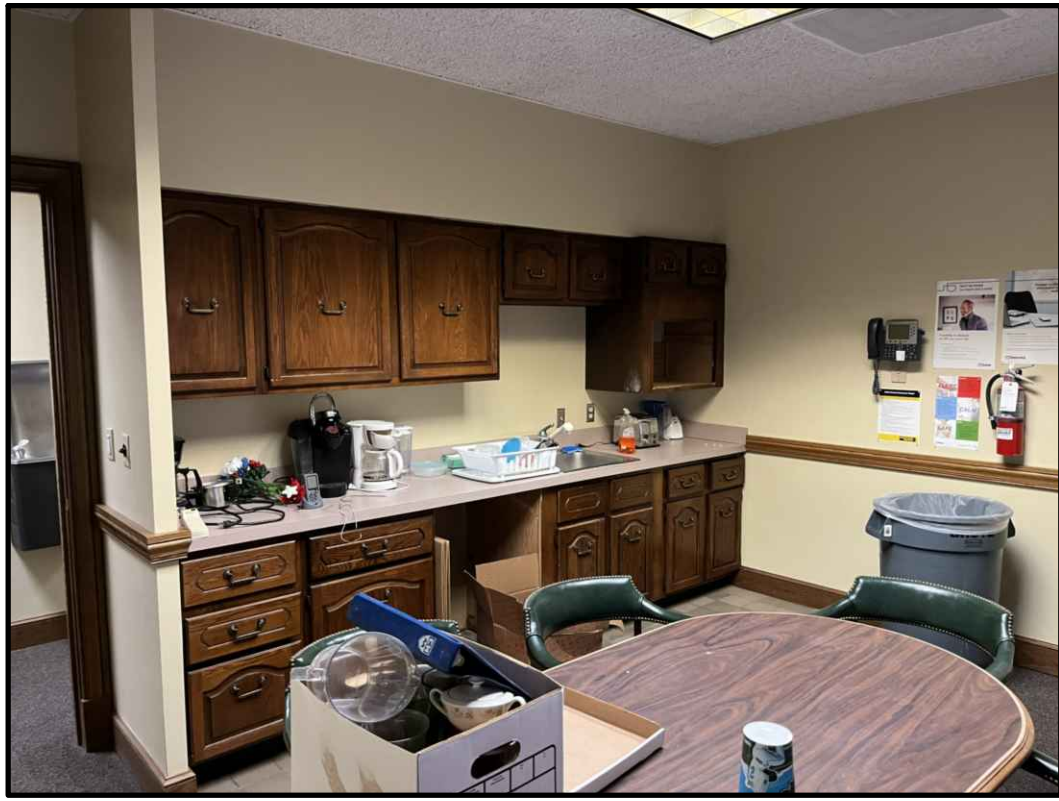


PHOTO 9



PHOTO 8

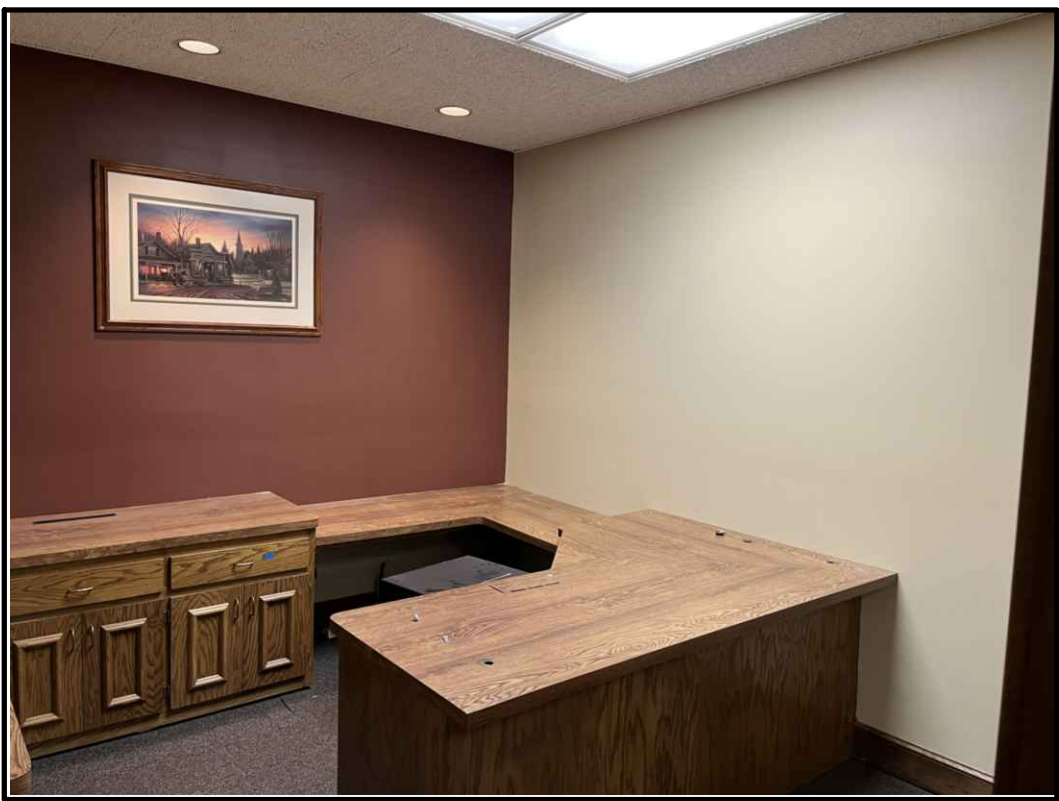


PHOTO 7



PHOTO 6



PHOTO 12

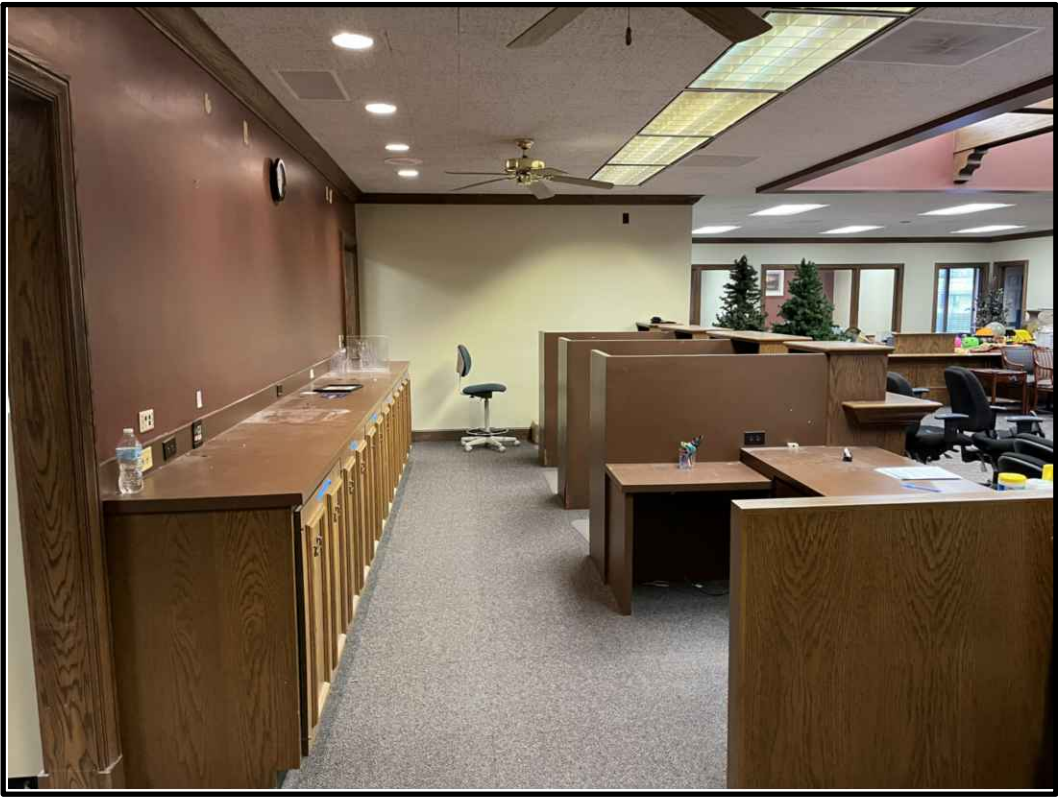
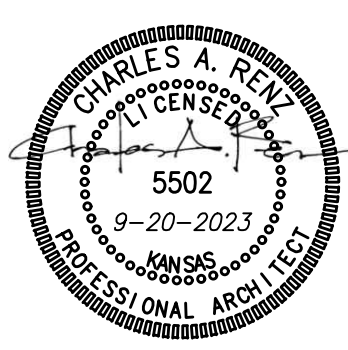


PHOTO 11



REVISION:

DATE: 9-20-2023

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SHEET NO.:

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ROSSVILLE FAMILY DENTAL
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DEMOLITION NOTES

GENERAL

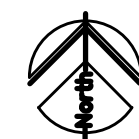
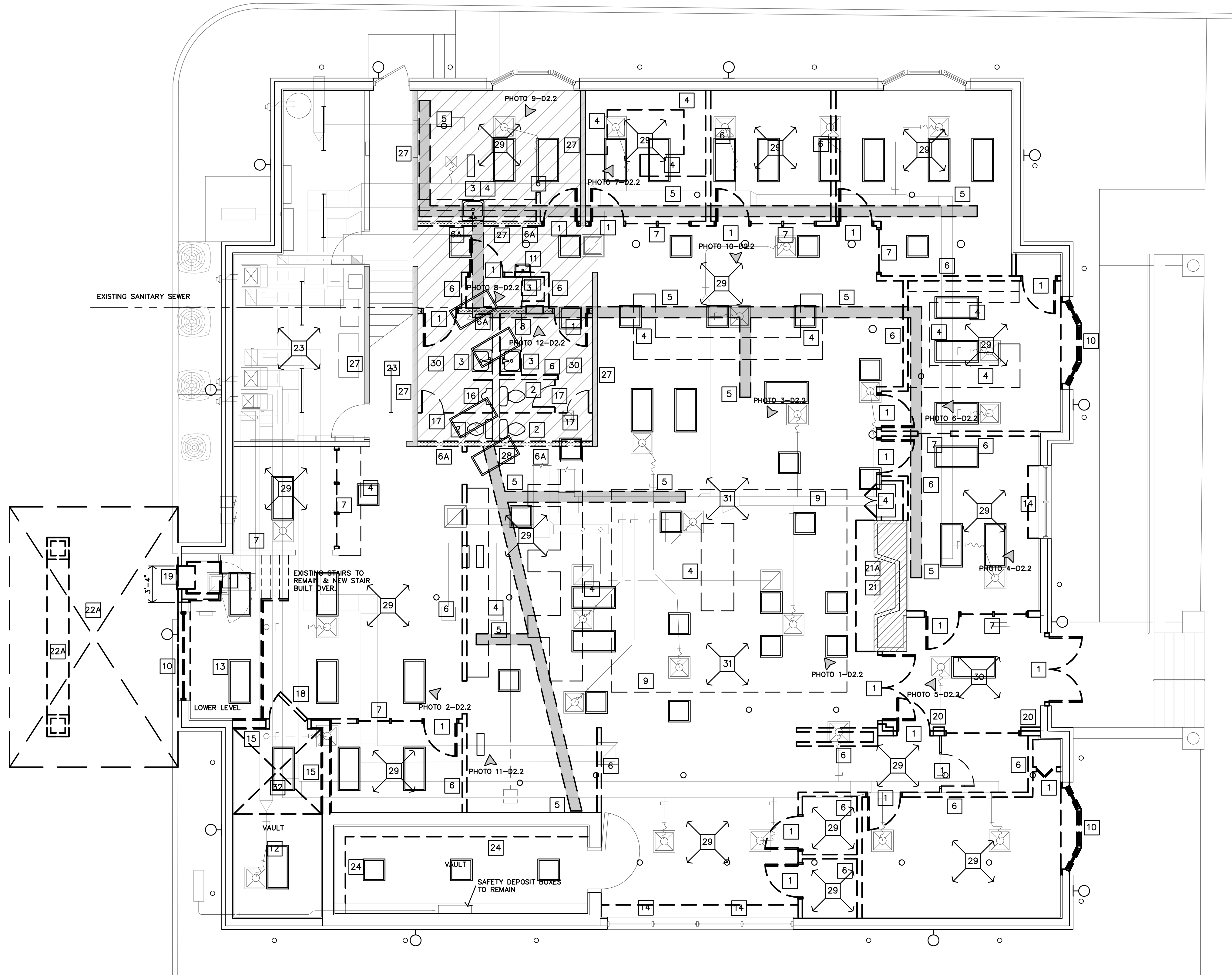
1. AT ALL EXISTING WALLS BEING PAINTED: PATCH ALL HOLES, DENTS, SCRATCHES, ETC. AND SKIM WALLS PRIOR TO APPLYING NEW PAINT.
2. WHERE EXISTING BUILDING COMPONENTS ARE TO BE REMOVED: PATCH & REPAIR THE SURFACES TO MATCH EXISTING, UNLESS NOTED OTHERWISE.
3. REMOVE EXISTING BUILDING COMPONENTS AS INDICATED, IMPLIED OR AS REQUIRED SCHEMATICALLY SHOWN AS DASHED LINES. FIELD VERIFY ALL LOCATIONS.
4. SHORING OF EXISTING STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
5. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE DEMOLITION BY DIFFERING TRADES.
6. CONTRACTOR COORDINATE LOCATION OF ANY OR ALL EXISTING RECEPTACLES, SWITCHES, DEVICES, ETC. PRIOR TO DEMOLITION, RELOCATED OR ABANDON ACCORDINGLY. REMOVE WIRE TO SOURCE, INSTALL BLANK COVER PLATE AT ABANDONED RECEPTACLES.
7. ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK SHALL BE PERFORMED BY CONTRACTORS LICENSED FOR TYPE OF WORK. CONTRACTORS SHALL COORDINATE PERMIT REQUIREMENTS IF DEMOLITION SCOPE INVOLVES WORK REQUIRING A PERMIT.
8. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL REMOVED COMPONENTS. CONTRACTOR SHALL COORDINATE WITH OWNER ALL OTHER ITEMS SHALL BE HAULED FROM SITE AND DISPOSED BY CONTRACTOR.
9. EXISTING EQUIPMENT TO REMAIN AND BE RELOCATED. REFERENCE FLOOR PLAN FOR DETAILS.

SPECIFIC

- 1 REMOVE EXISTING DOOR & DOOR FRAME
- 2 REMOVE EXISTING TOILET. REF. MEP
- 3 REMOVE EXISTING SINK. REF. MEP
- 4 REMOVE EXISTING CASEWORK & ALL ASSOCIATED FIXTURES
- 5 REMOVE EXISTING FLOOR FOR NEW PLUMBING TO TIE INTO EXISTING WASTE MAIN LINE
- 6 SAWCUT & REMOVE EXISTING WALLS
- 6A EXISTING WALL IS LOAD BEARING TO FLOOR ABOVE. PROVIDE SHORING PRIOR TO ANY WALL DEMOLITION.
- 7 REMOVE EXISTING WINDOW & WINDOW FRAME
- 8 REMOVE EXISTING LOCKERS
- 9 REMOVE EXISTING LIGHT WELL & FIXTURES. REF. MEP
- 10 REMOVE EXISTING WINDOW & WINDOW FRAME, PREP FOR NEW WINDOW FRAMING
- 11 REMOVE EXISTING DRINKING FOUNTAIN
- 12 REMOVE EXISTING VAULT
- 13 DEMO ALL CASEWORK & ABANDON ELECTRICAL FOR OVERBUILD OF NEW FLOOR
- 14 REMOVE EXISTING CURTAIN POCKET
- 15 SAWCUT & REMOVE MASONRY WALL
- 16 REMOVE URINAL. REF. MEP
- 17 REMOVE TOILET PARTITIONS. REF. MEP
- 18 REMOVE VAULT DOOR & FRAME
- 19 SAWCUT & REMOVE MASONRY WALL FOR NEW OPENING
- 20 SAWCUT & REMOVE BRICK. FINISH AS REQ'D.
- 21 REMOVE EXISTING HEARTH
- 21A ALT. 1 - REMOVE FIREPLACE IN IT'S ENTIRETY
- 22A ALT. 3 - REMOVE DRIVE-THRU MASONRY COLUMNS, CONCRETE ISLAND, ROOF OVERHANG, PATCH ROOF AS REQ'D.
- 23 REMOVE EXISTING VCT. PREP FOR NEW FINISH.
- 24 REMOVE SAFETY DEPOSIT BOXES
- 25 REFERENCE MEIP FOR EQUIPMENT DEMOLITION REQUIREMENTS
- 26 REMOVE EXISTING RAILING. PATCH FLOOR FOR NEW FINISH
- 27 LOAD BEARING WALL (DO NOT DEMO. ADDITIONAL STRUCTURAL DESIGN TO BE PERFORMED)
- 28 ENDWALL BEARING. SHORE STRUCTURE AT REMOVED WALL
- 29 REMOVE EXISTING CARPET FLOORING & PREP FOR NEW FINISH
- 30 REMOVE EXISTING TILE FLOORING & PREP FOR NEW FINISH
- 31 REMOVE EXISTING BRICK PAVER FLOOR
- 32 SAWCUT & REMOVE SECTION OF CONCRETE DECK ABOVE. SEE ORIGINAL DRAWNGS DETAIL 7/A7

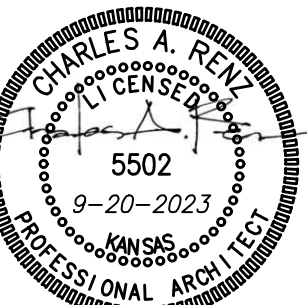
INDICATES SECOND FLOOR LOCATION

INDICATES LOAD BEARING WALL (DO NOT DEMO. ADDITIONAL STRUCTURAL DESIGN TO BE PERFORMED)



A

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



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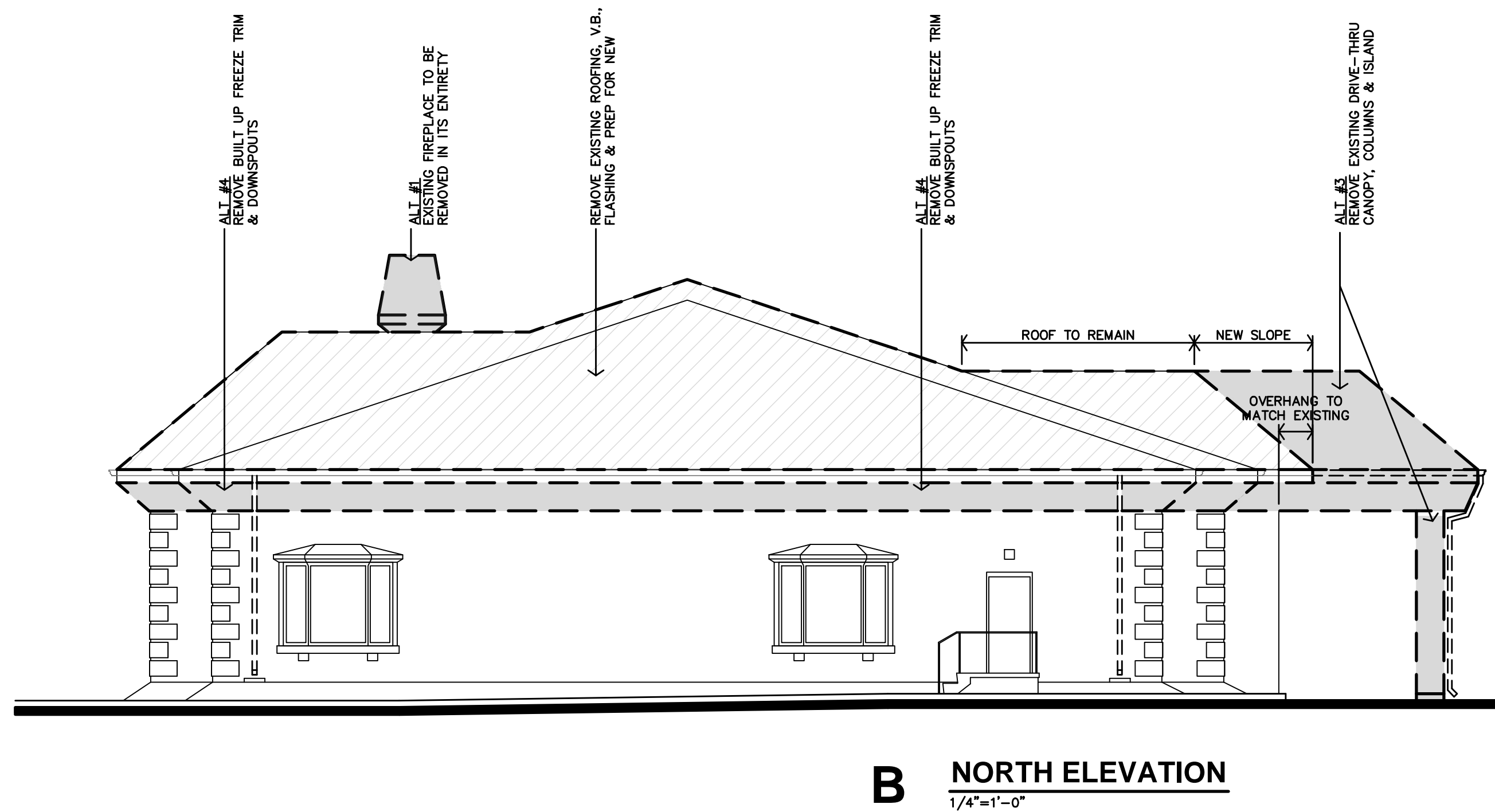
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443 MAIN ST

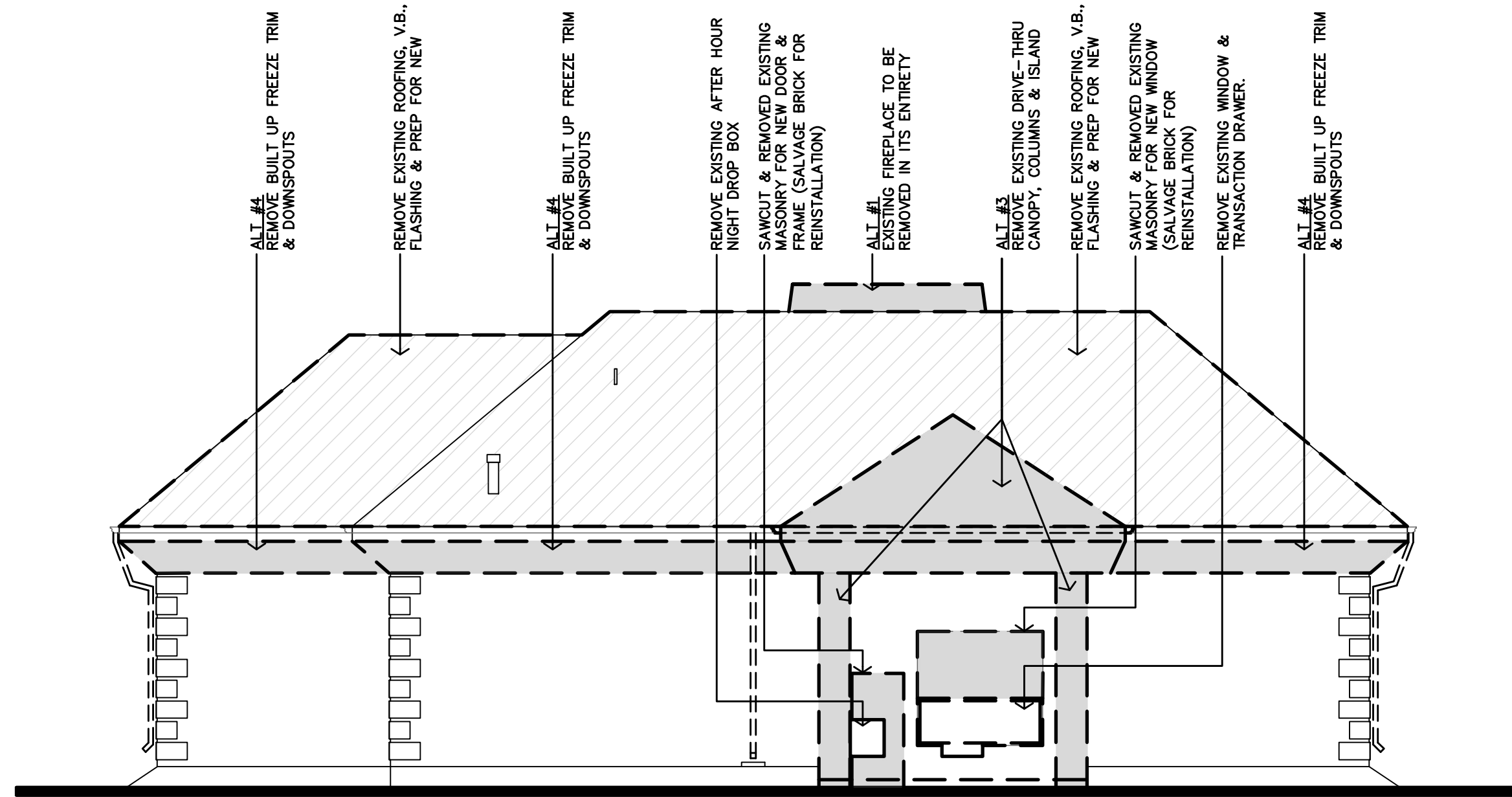
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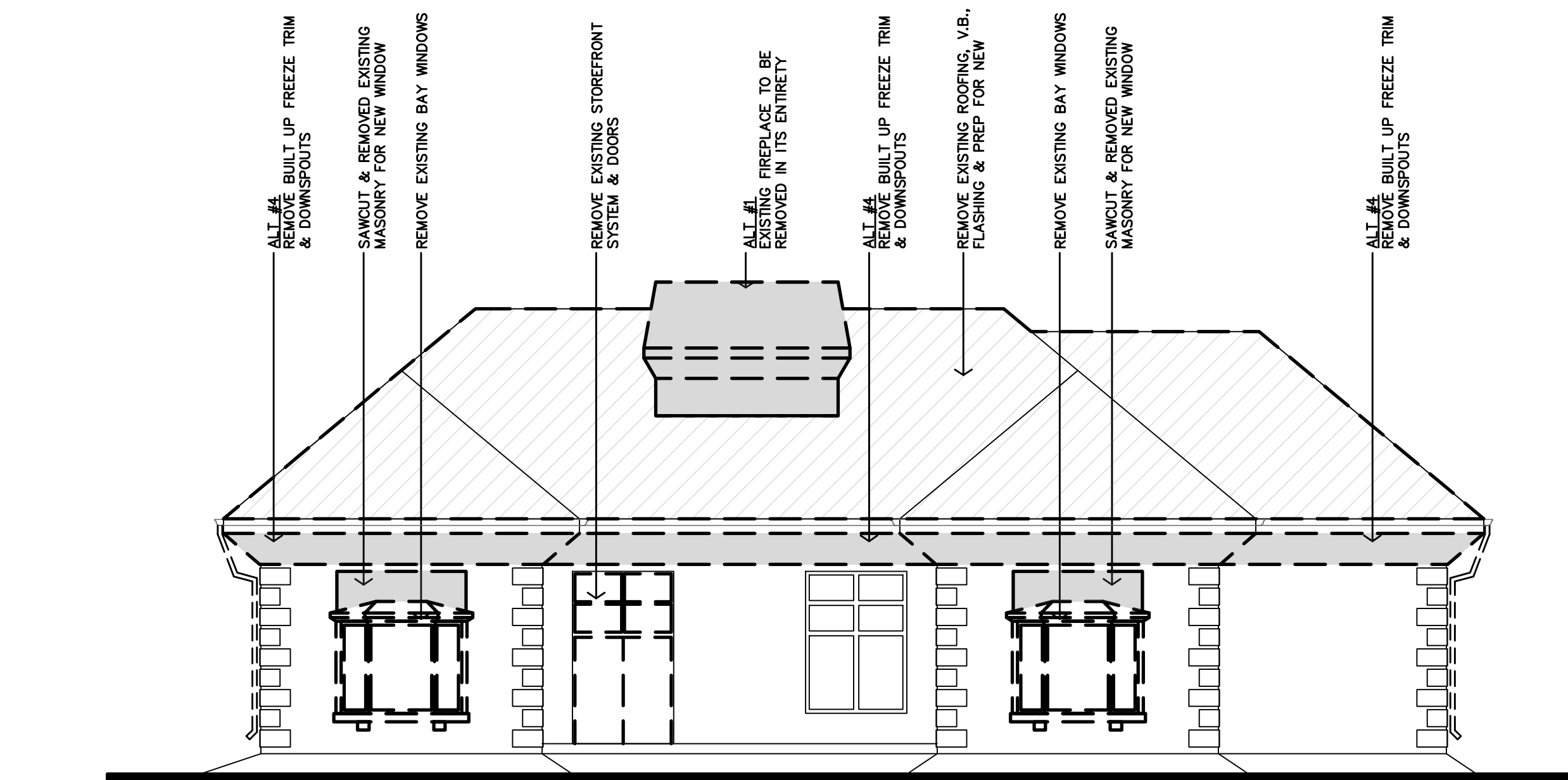
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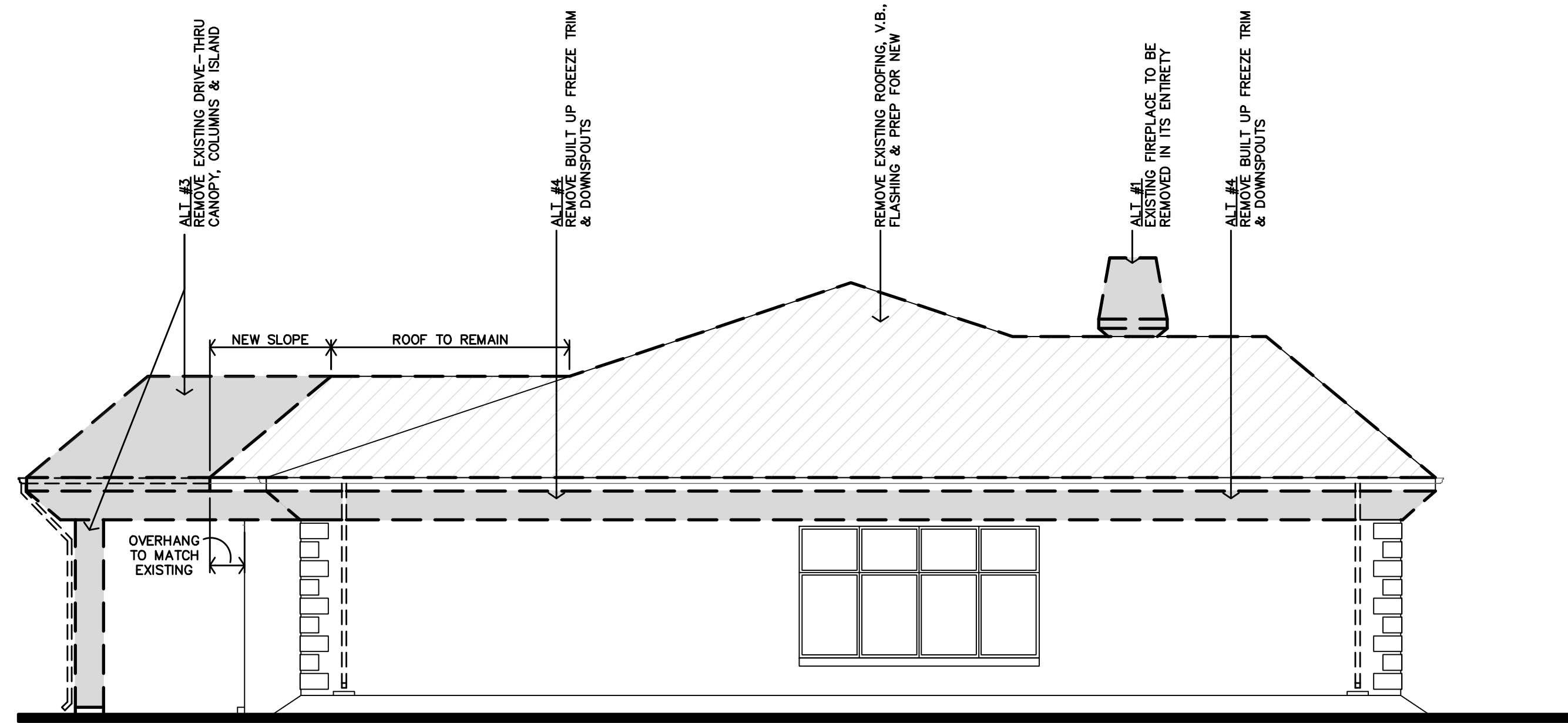
B NORTH ELEVATION
1/4"=1'-0"



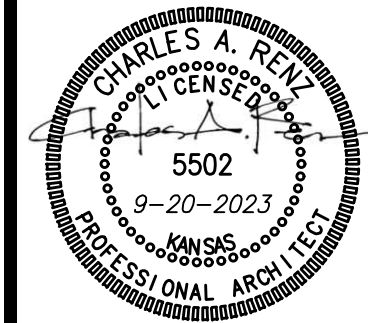
D WEST ELEVATION
1/4"=1'-0"



A EAST ELEVATION
1/4"=1'-0"



C SOUTH ELEVATION
1/4"=1'-0"



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- GENERAL SITE PLAN NOTES**
1. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS & DIMENSIONS.
 2. INSTALL MATERIALS AND FINISHES AS INDICATED, IMPLIED OR AS REQUIRED FOR FINISH INSTALLATION.
 3. WHERE CONCRETE ABUTS THE BUILDING, PROVIDE 3/4" EXPANSION JOINT & SEAL TOP WITH SELF LEVELING SEALANT.
 4. INSTALL EXPANSION JOINTS IN CONCRETE SIDEWALK PAVING AT 4'-0" O.C. PROVIDE FILLER MATERIAL AND SEALANT. COORDINATE WITH ARCHITECT FOR FINAL LOCATIONS OF EXPANSION JOINTS.
 5. INSTALL CONTROL JOINTS IN CONCRETE ROUGHLY SQUARE AND AREAS NOT TO EXCEED 100 S.F.
 6. EXTERIOR DOOR LANDINGS SHALL BE WITHIN 1/4" OF INTERIOR FINISH FLOOR ELEVATION. MAXIMUM SLOPE IN ANY DIRECTION SHALL BE 1:50.
 7. FINISH FLOOR ELEVATION SHALL BE VERIFIED BY GENERAL CONTRACTOR AND CONFIRMED W/ PROPOSED GRADING TO PROVIDE DRAINAGE AWAY FROM THE BUILDING.
 8. LANDSCAPING, SEEDING, PLANTINGS, ETC. TO BE BY GENERAL CONTRACTOR. ALL AREAS AROUND THE SITE AND AS INDICATED ON THE SITE PLAN SHALL BE FINE GRADED WITH MIN. 2" TOP SOIL AREAS SHALL BE FREE OF ROCKS AND CLUMPS AS SUITABLE FOR SEEDING OR SODDING.
 9. NEW PEDESTRIAN SIDEWALKS SHALL NOT HAVE A GROSS SLOPE GREATER THAN 1:50 AND SHALL NOT SLOPE IN THE DIRECTION OF TRAVEL GREATER THAN 1:20.
 10. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE REQUIREMENTS OF THE UTILITY COMPANIES AND THE CITY OF ROSSVILLE.
 11. ALL DAMAGED PAVING AND LANDSCAPING CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
 12. LANDSCAPING SHOWN IS NOT INCLUDED IN BASE BID PRICE.

SITE PLAN KEY NOTES	
(A)	NEW 6" CONCRETE PAVING W/ 6x6-2.9x2.9 WMF OVER 6" CRUSHED ROCK (ALT. 2)
(B)	NEW BLOCK RETAINING WALL REF B-A1.1
(C)	PATCH EXISTING ASPHALT PAVING TO MATCH EXISTING PER ALT. 3. ● REMOVED DRIVE-THRU MASONRY COLUMNS & CONCRETE ISLAND.
(D)	REMOVE EXISTING CONCRETE CURB & PARTIAL ASPHALT PAVING. INSTALL NEW CONCRETE CURB & PATCH EXISTING ASPHALT TO MATCH EXISTING ● NEW DOOR F.V. EX. FLOOR & PAVING ELEVATIONS. CONTACT ARCHITECT W/ ANY DISCREPANCIES.
(E)	PARKING STRIPING TO BE 4" W. PAINTED LINES. COLOR WHITE.

LEGEND	
	-AREA TO BE SEEDDED W/ FESCUE GRASS
	-AREA PROPOSED FOR MULCH
	-AREA PROPOSED FOR MULCH AND LANDSCAPE/ PLANTING
-REF. LANDSCAPE PLAN FOR PLANTING DETAILS	
-ALL AREAS SHOWN TO BE SEEDDED/LANDSCAPE TO HAVE COMPLETE COVERAGE BY AUTOMATIC IRRIGATION SYSTEM	

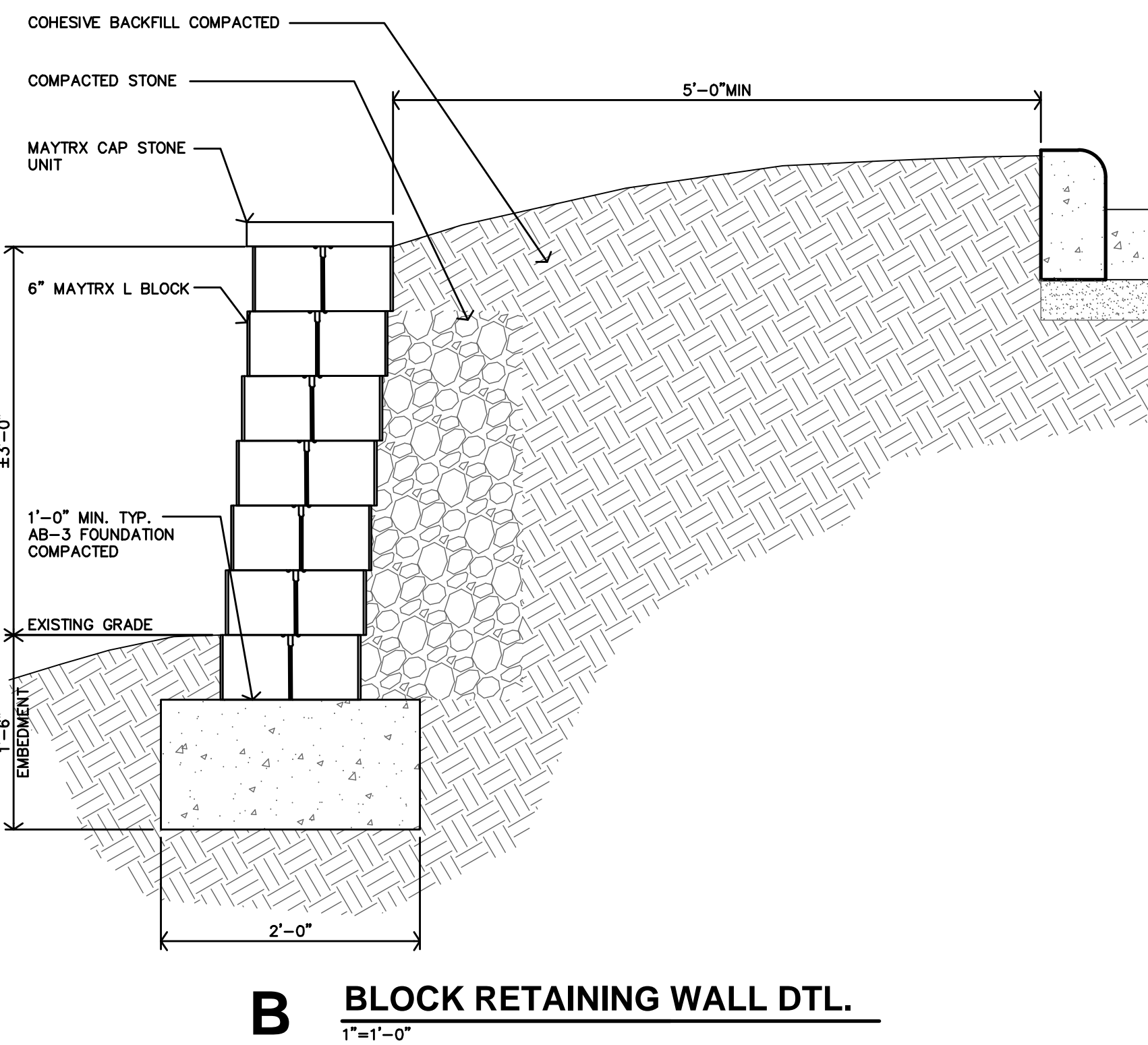
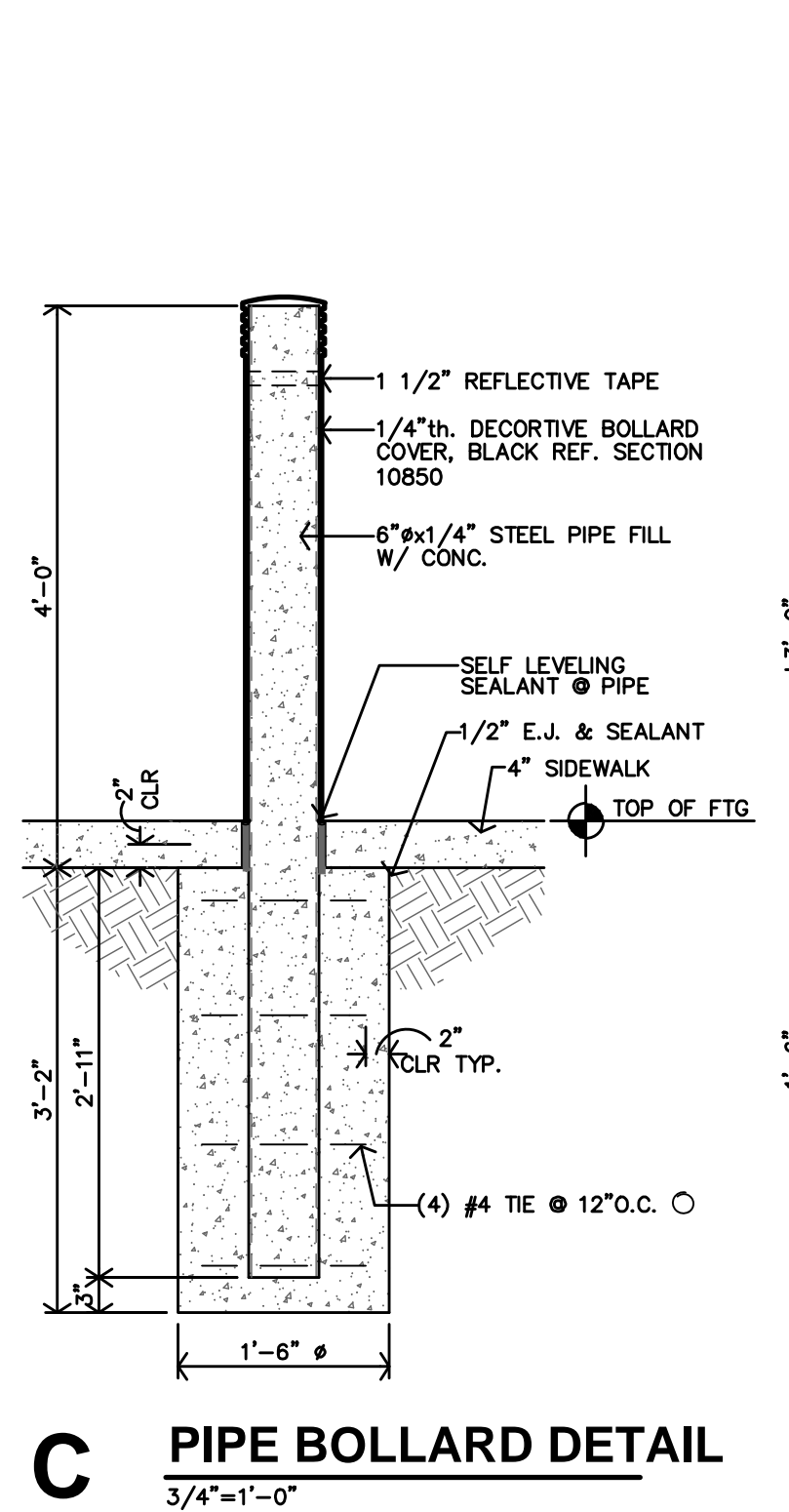
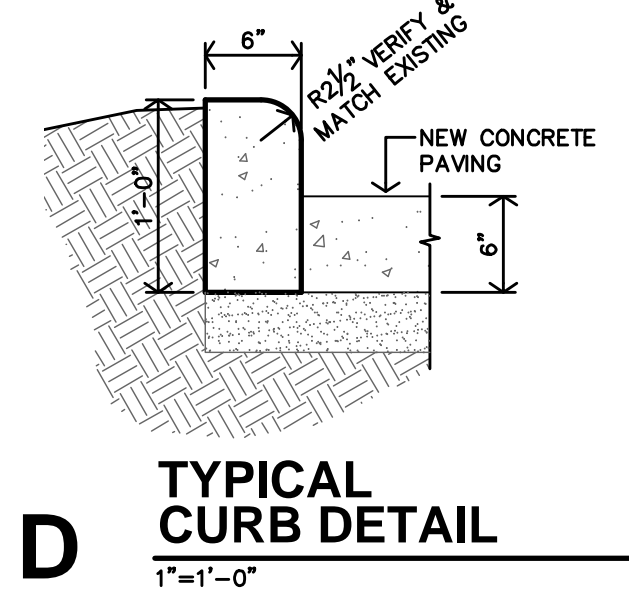
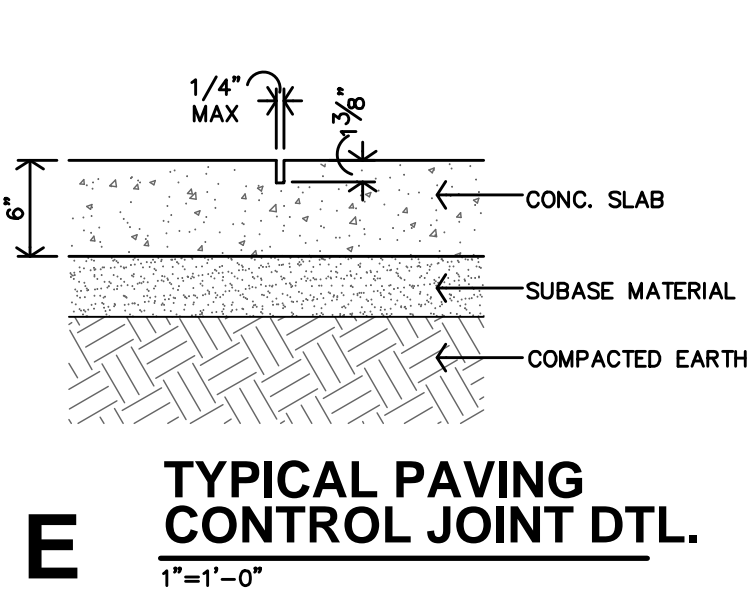
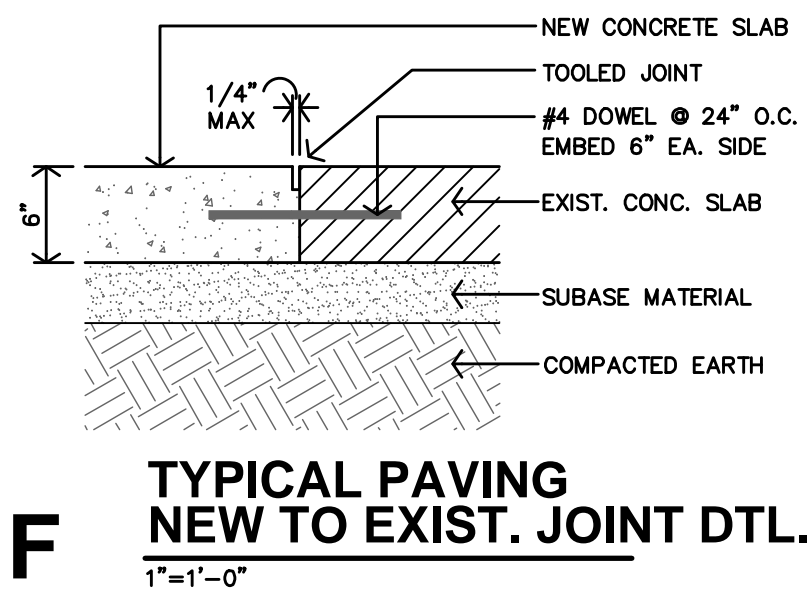


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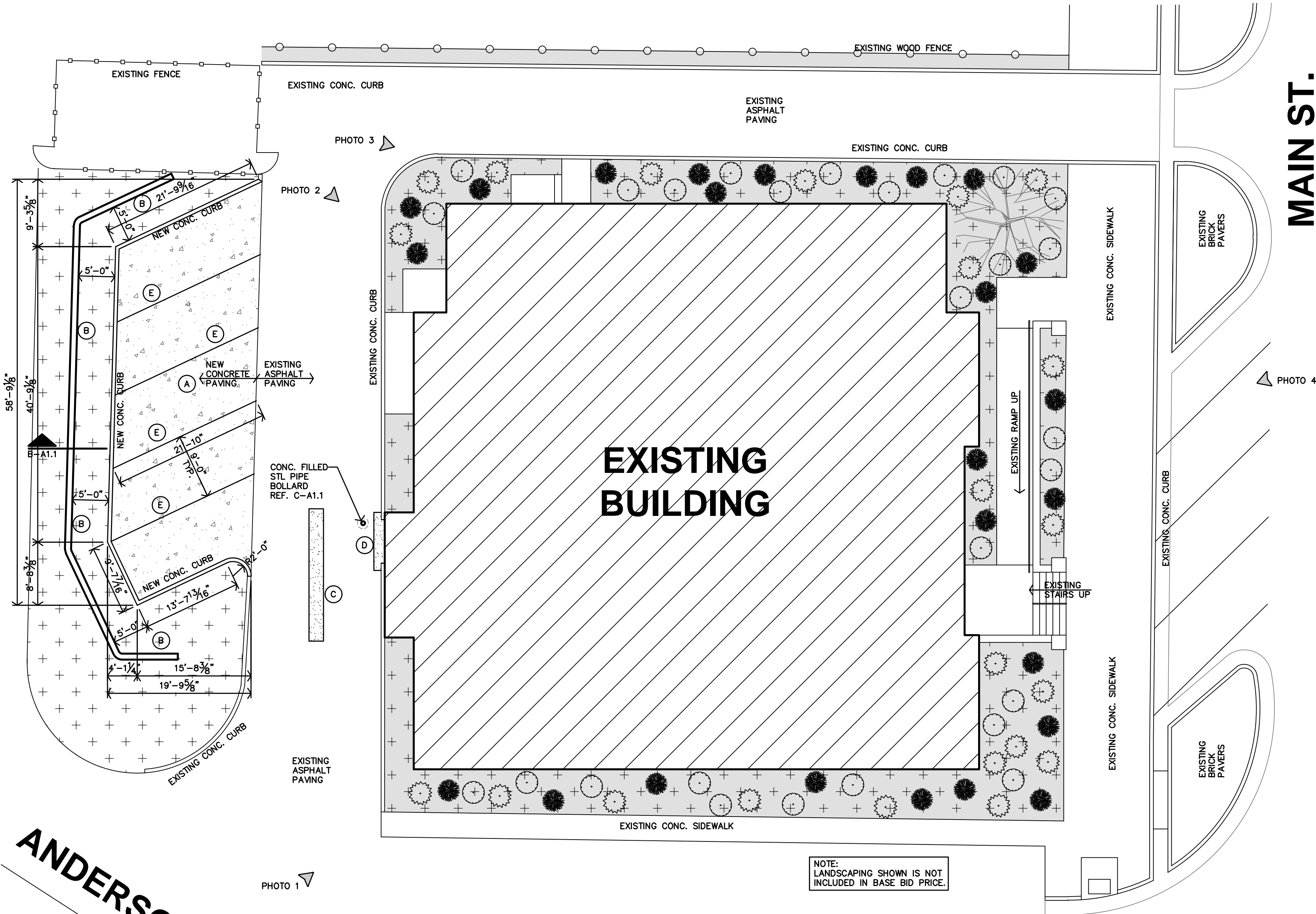
PHOTO 3



PHOTO 2



PHOTO 1

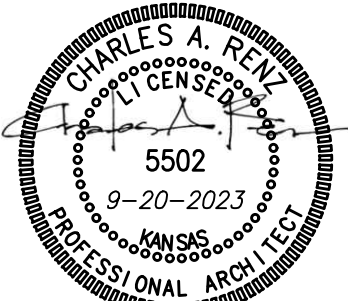


W. PERRY ST.

ANDERSON ST.



A SITE PLAN
1"=10'-0"



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A1.1

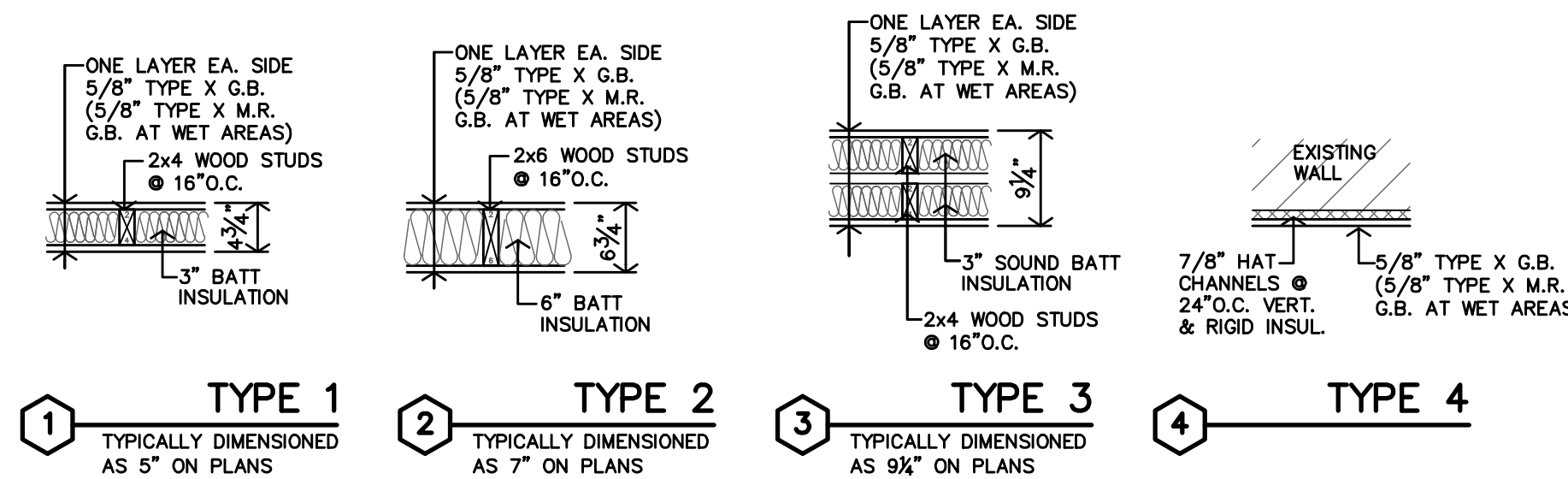
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INTERIOR PARTITION TYPES

- 5/8" TYPE "X" G.B. AT ALL AREAS
- 5/8" TYPE "X" MOISTURE RESISTANCE G.B. AT ALL WET AREAS
- ALL G.B. WALLS TO BE FULL HEIGHT TO B.O. TRUSSES, UNLESS INDICATED OTHERWISE.

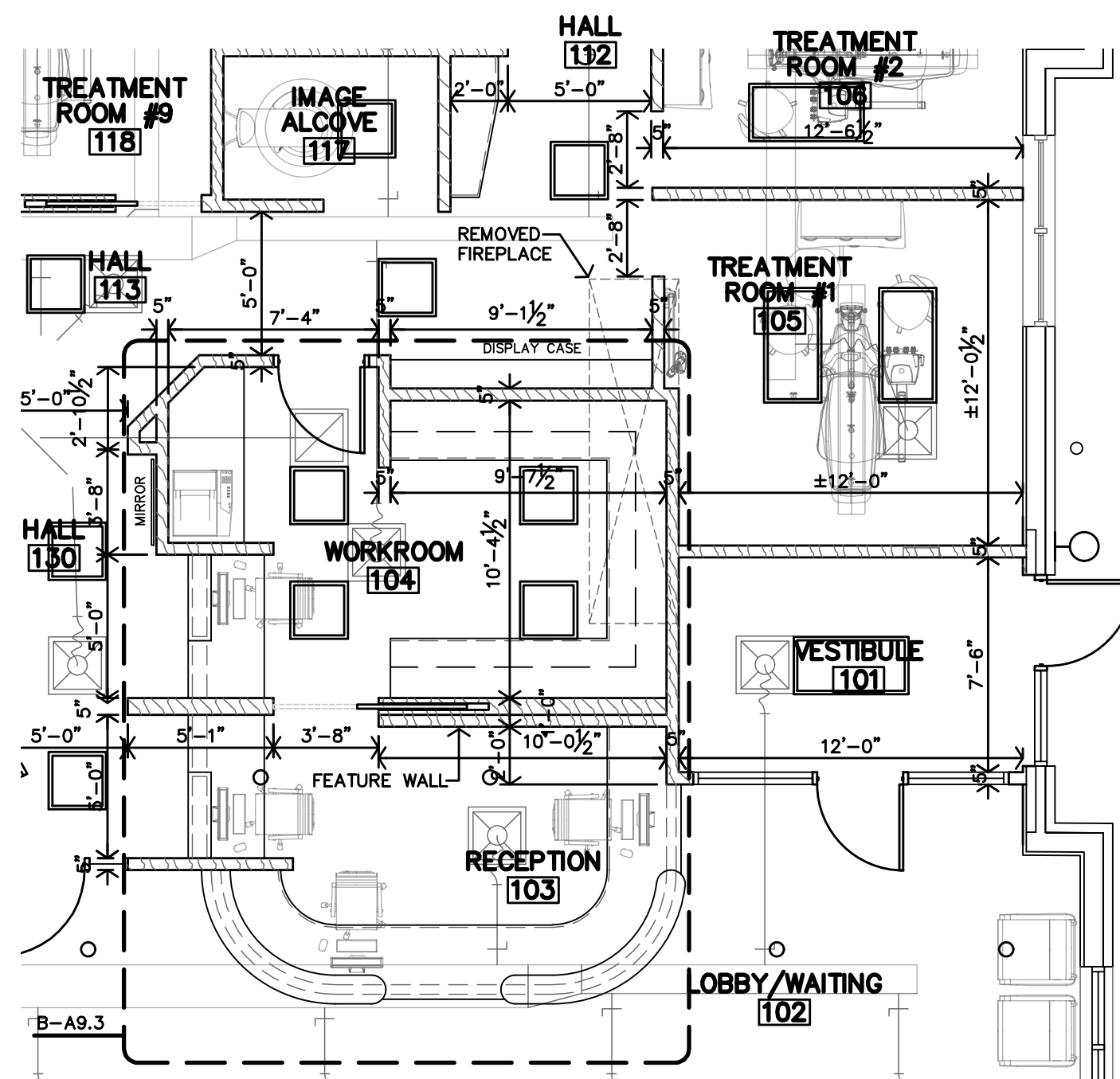


GENERAL NOTES

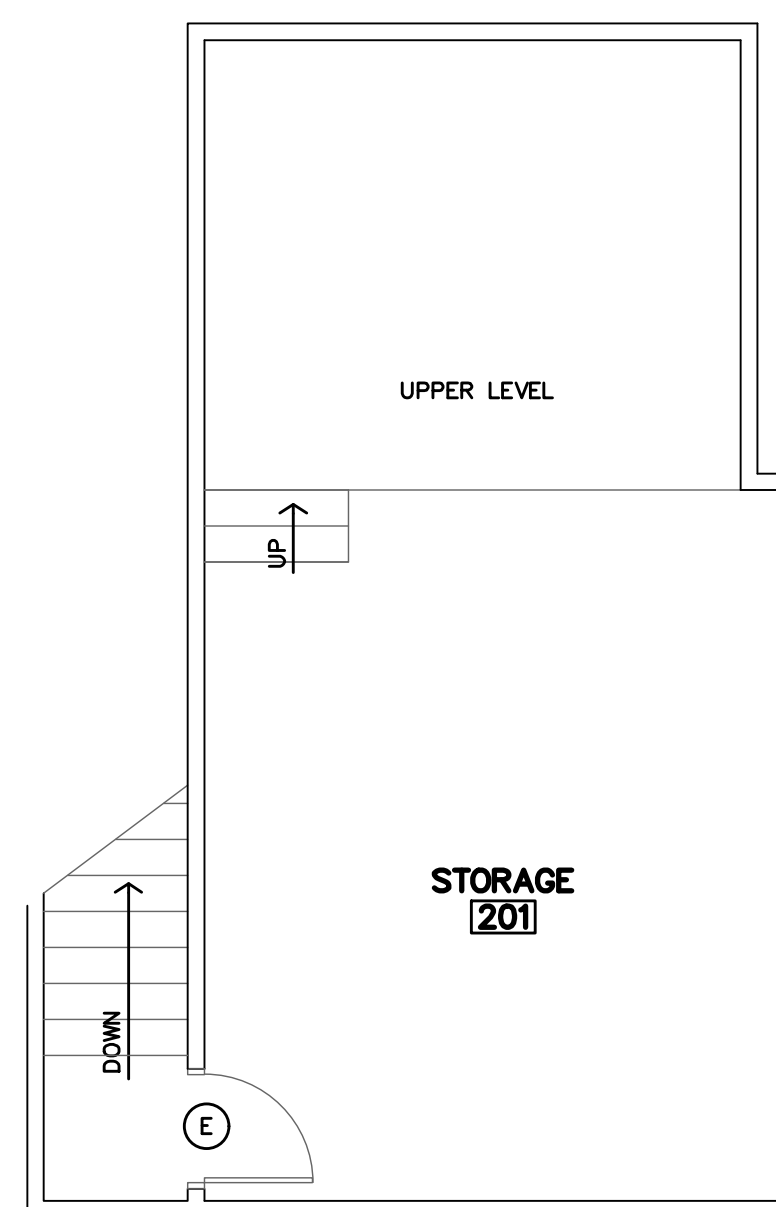
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & CONDITIONS.
2. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS AND FIELD CONDITIONS NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH WORK SO THAT ANY ISSUES MAY BE CLARIFIED.
3. ALL SHALL BE IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES & ORDINANCES.
4. ALL NEW CONSTRUCTION SHALL BE IN CONFORMANCE TO ADA REQUIREMENTS. REFERENCE ADA FOR TYPICAL MINIMUM CLEARANCE REQ'D.
5. INSTALL MATERIALS AND/OR FINISHES AS INDICATED, IMPLIED OR AS REQUIRED FOR CORNER & EGRESS INSTALLATION.
6. ALL NEW DOOR HARDWARE SHALL BE LEVER TYPE LATCH SETS UNLESS NOTED OTHERWISE. COORDINATE W/ MFR. FOR ADA INSTALLATION REQUIREMENTS. COORDINATE KEYING REQUIREMENTS WITH OWNER.
7. DOOR TYPE NOTED WITH HINGE-SIDE JAMB 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE OR REQUIRED TO MEET LATCH-SIDE CLEARANCE PER ADA.
8. DIMENSIONS TO NEW INTERIOR WALLS ARE TO THE FACE OF G.B. U.N.O.
9. FEC - INDICATES LOCATION OF FIRE EXTINGUISHER CABINET. REF. SPECS.
10. ALL DOOR HARDWARE SHALL BE LEVER TYPE LATCH SETS UNLESS NOTED OTHERWISE. COORDINATE W/ MFR. FOR ADA INSTALLATION REQUIREMENTS. COORDINATE KEYING REQUIREMENTS WITH OWNER.


INDICATES LOAD BEARING WALL. DO NOT DEMO. REFERENCE STRUCTURAL DESIGN.
CONTRACTOR TO REVIEW CONDITIONS AND SHORE ARE FOR WORK TO BE PERFORMED.

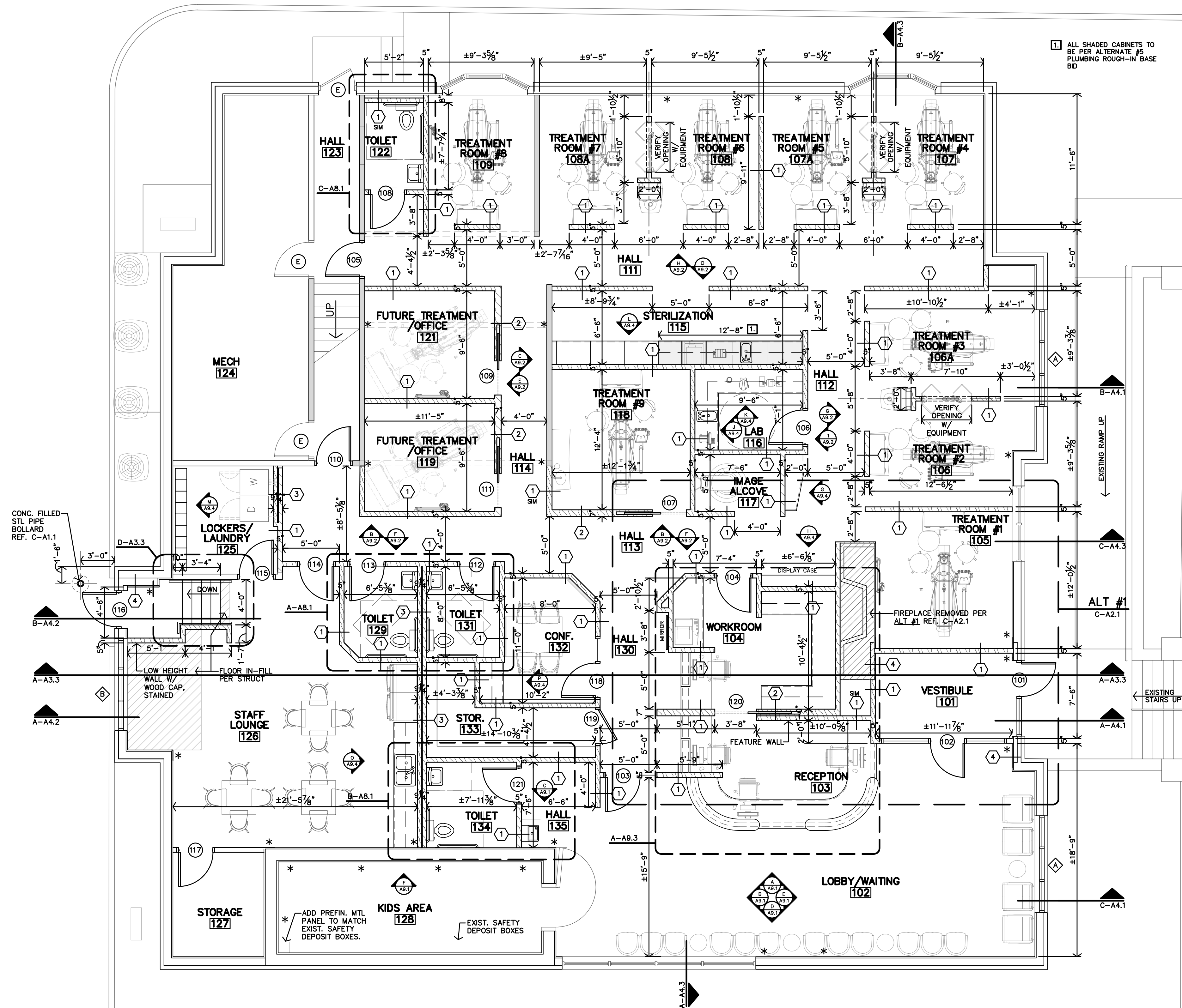
* NOTES AREAS WHERE WALLS NEED TO BE PATCHED, REPAIRED & REFINISHED DUE TO THE REMOVAL OF EXISTING WALLS, CASEWORK, FIXTURES, LOCKERS, ETC, (REFERENCE DEMO PLANS) FOR FINAL FINISHES REFERENCE INTERIOR FINISH SCHEDULE ON A10.1




 **C** **ALTERNANTE #1**
PARTIAL FIRST FLOOR PLAN
3/16" = 1'-0"

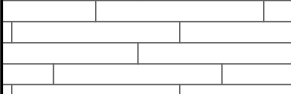
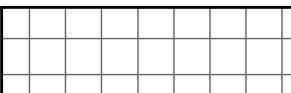
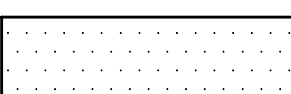
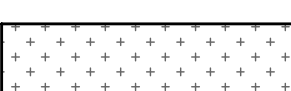
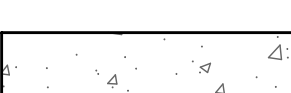


 **B** SECOND FLOOR PLAN
3/16"=1'-0"



 **A** **FIRST FLOOR PLAN**
3/16"=1'-0"

LEGEND

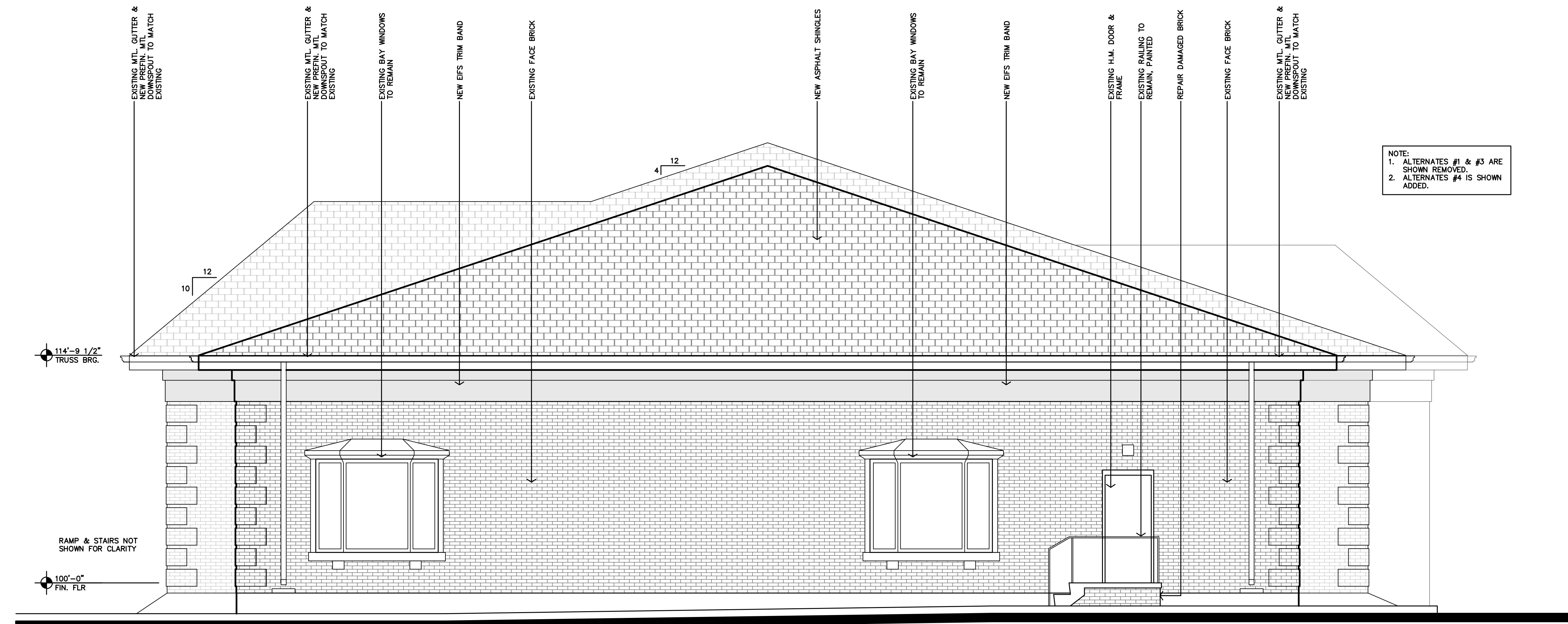
	LUXURY VINYL TILE
	CERAMIC TILE
	CARPET
	WALK-OFF CARPET
	SEALED CONCRETE



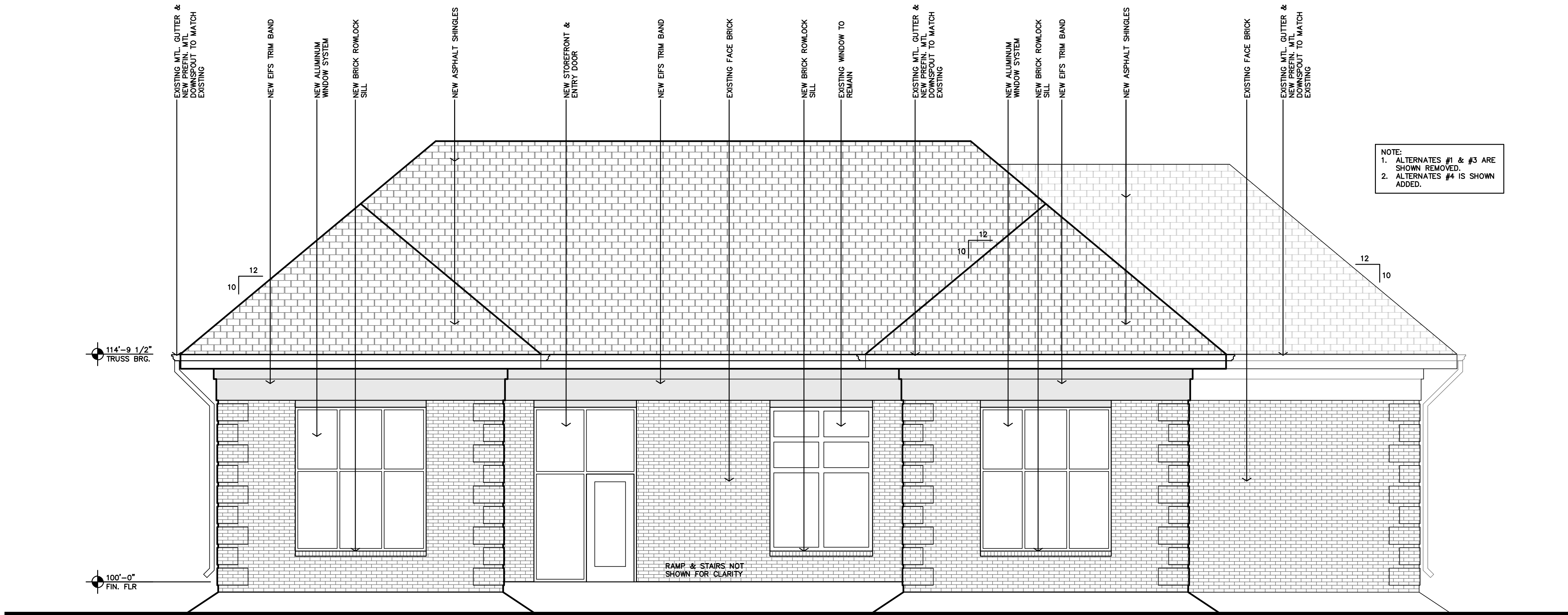
FIRST FLOOR
FINISH FLOOR PLAN
3/16"=1'-0"



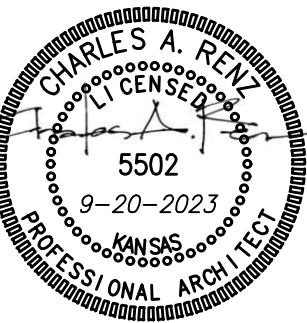
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B NORTH ELEVATION
1/4"=1'-0"



A EAST ELEVATION
1/4"=1'-0"



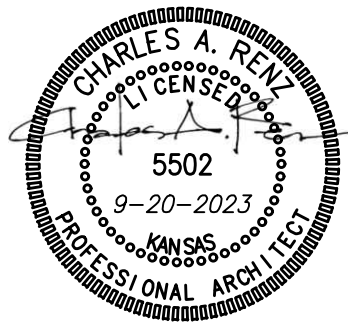
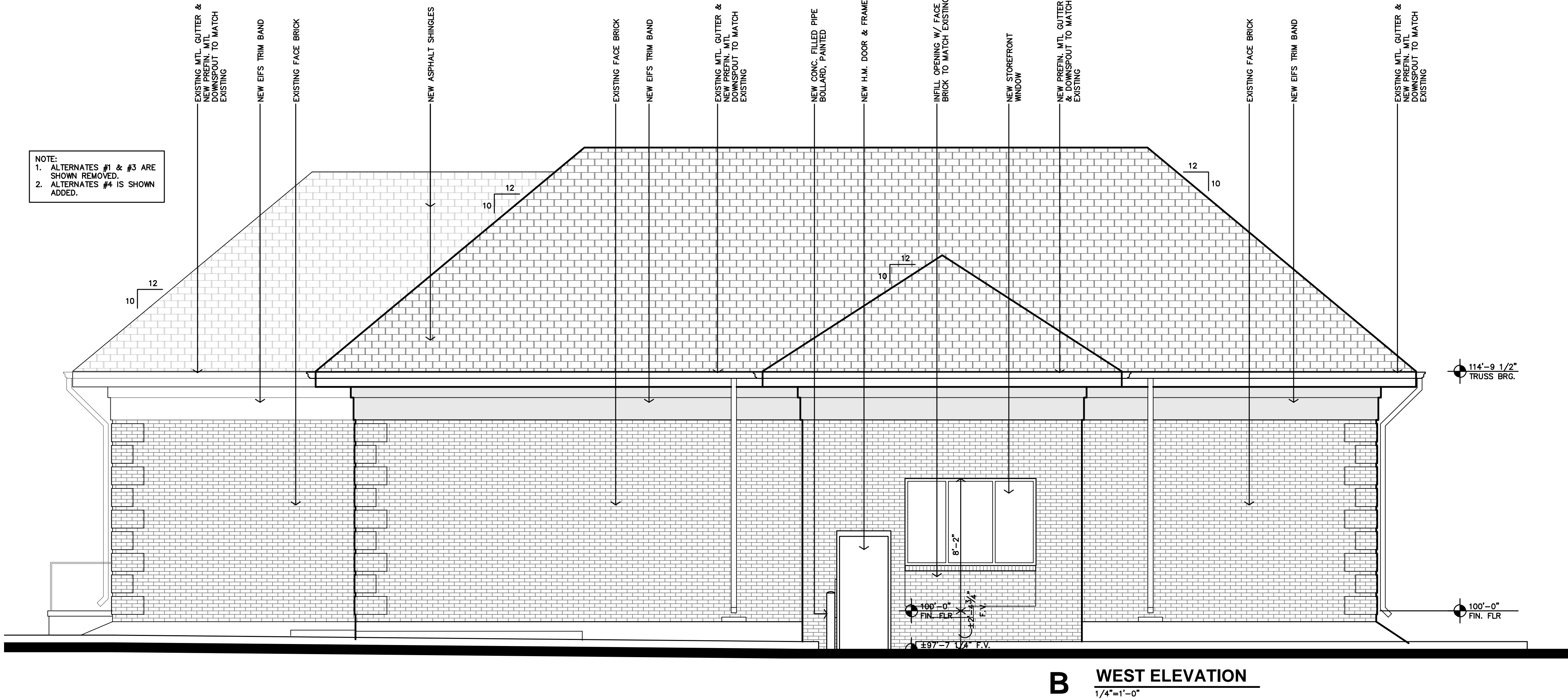
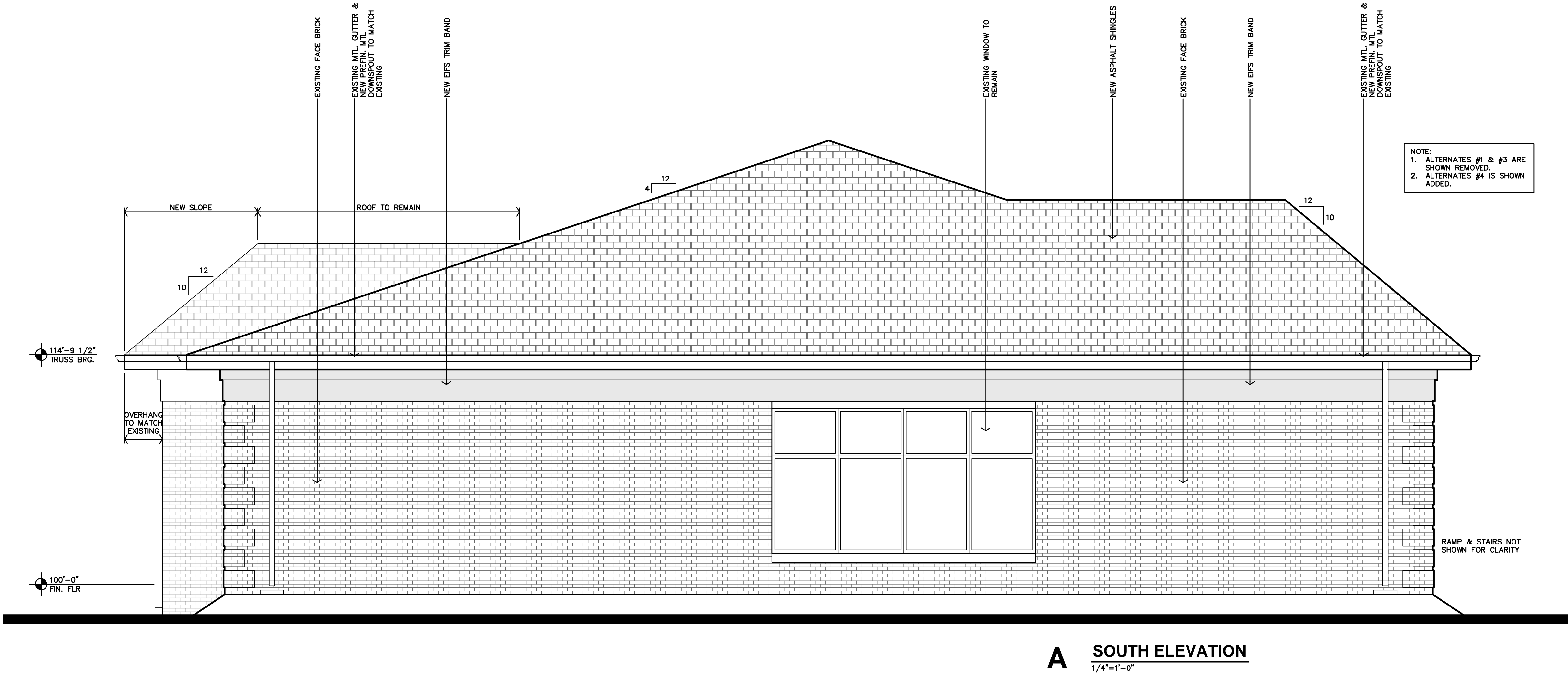
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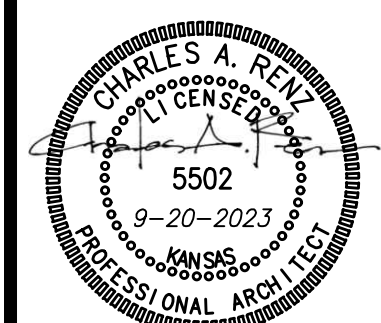
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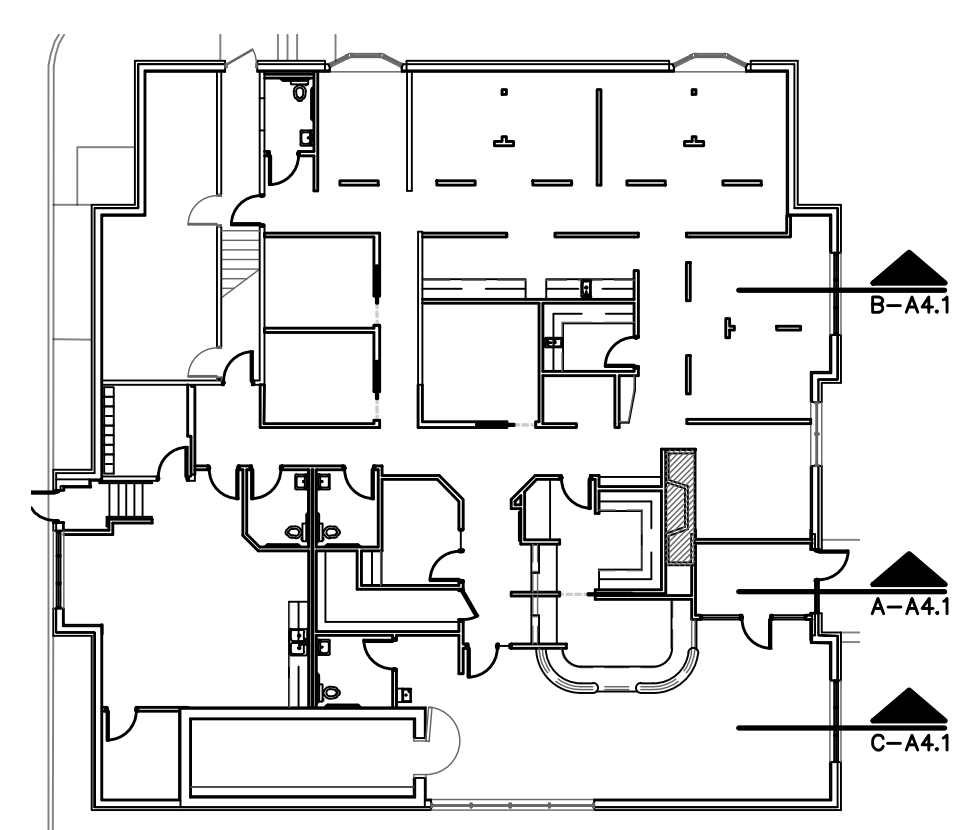
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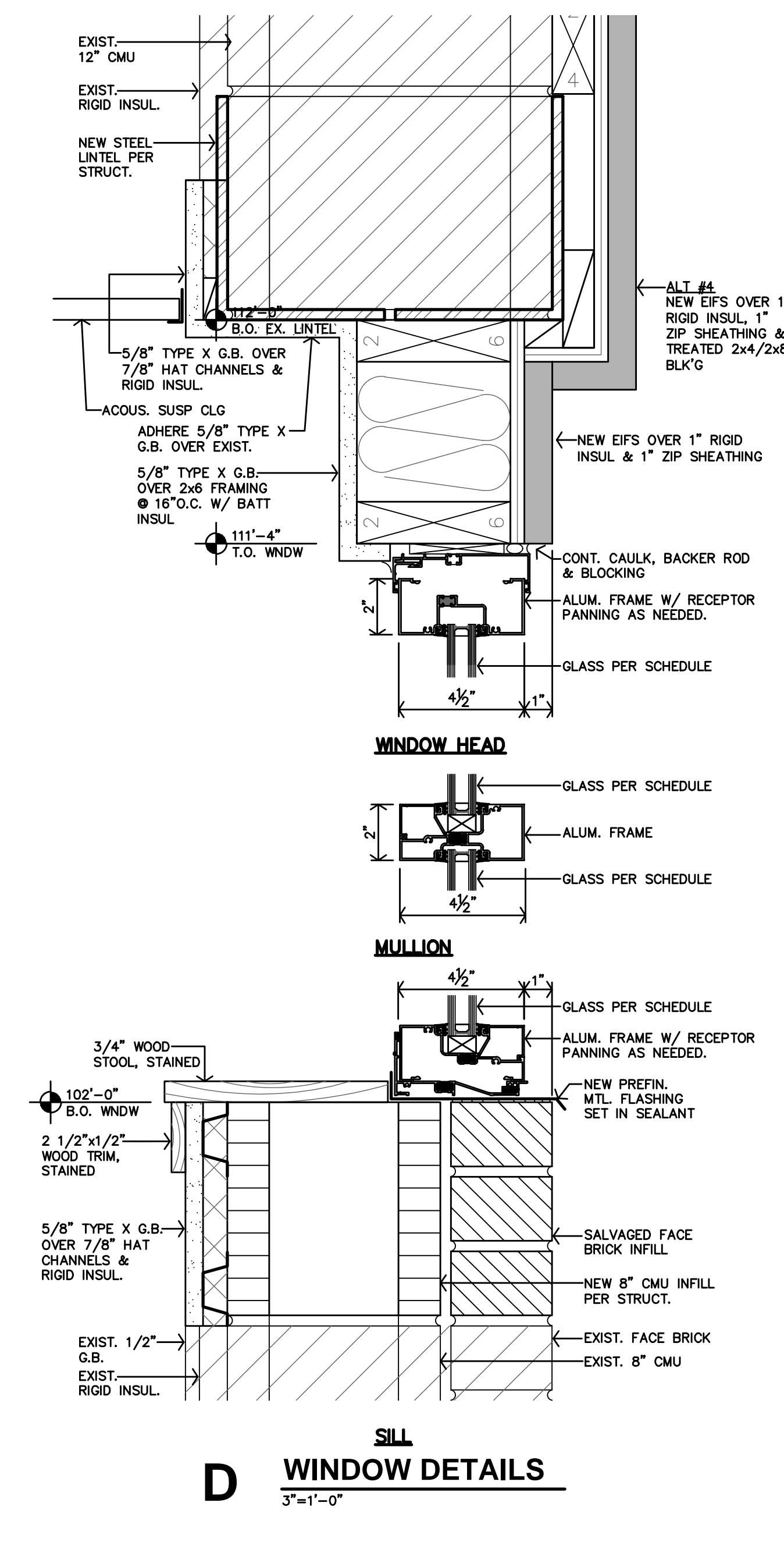
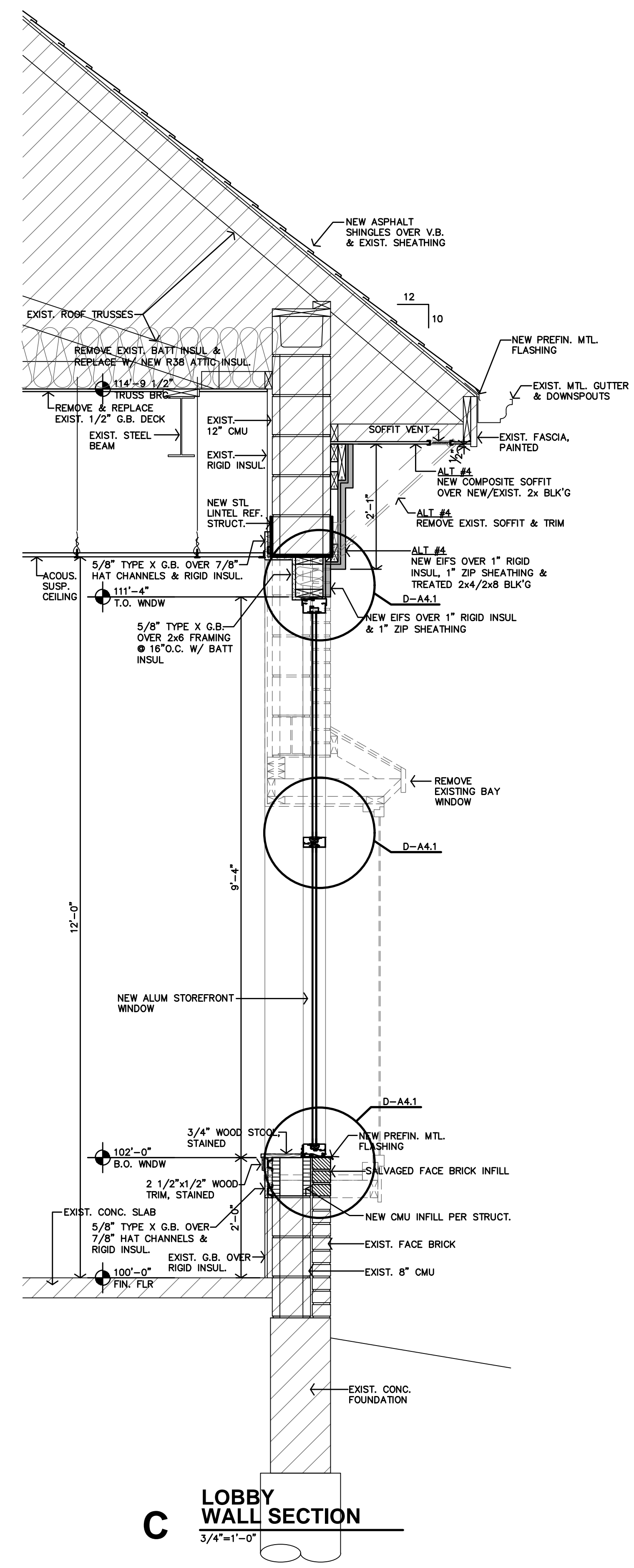
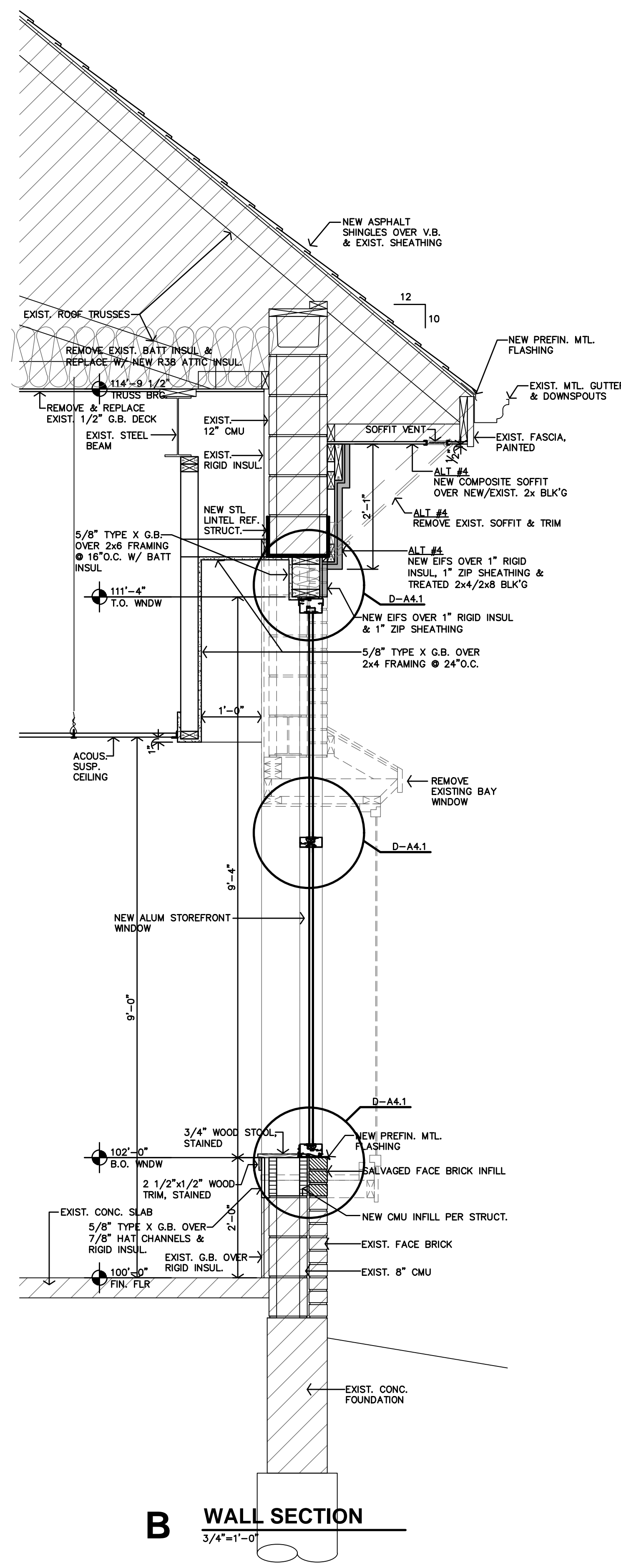
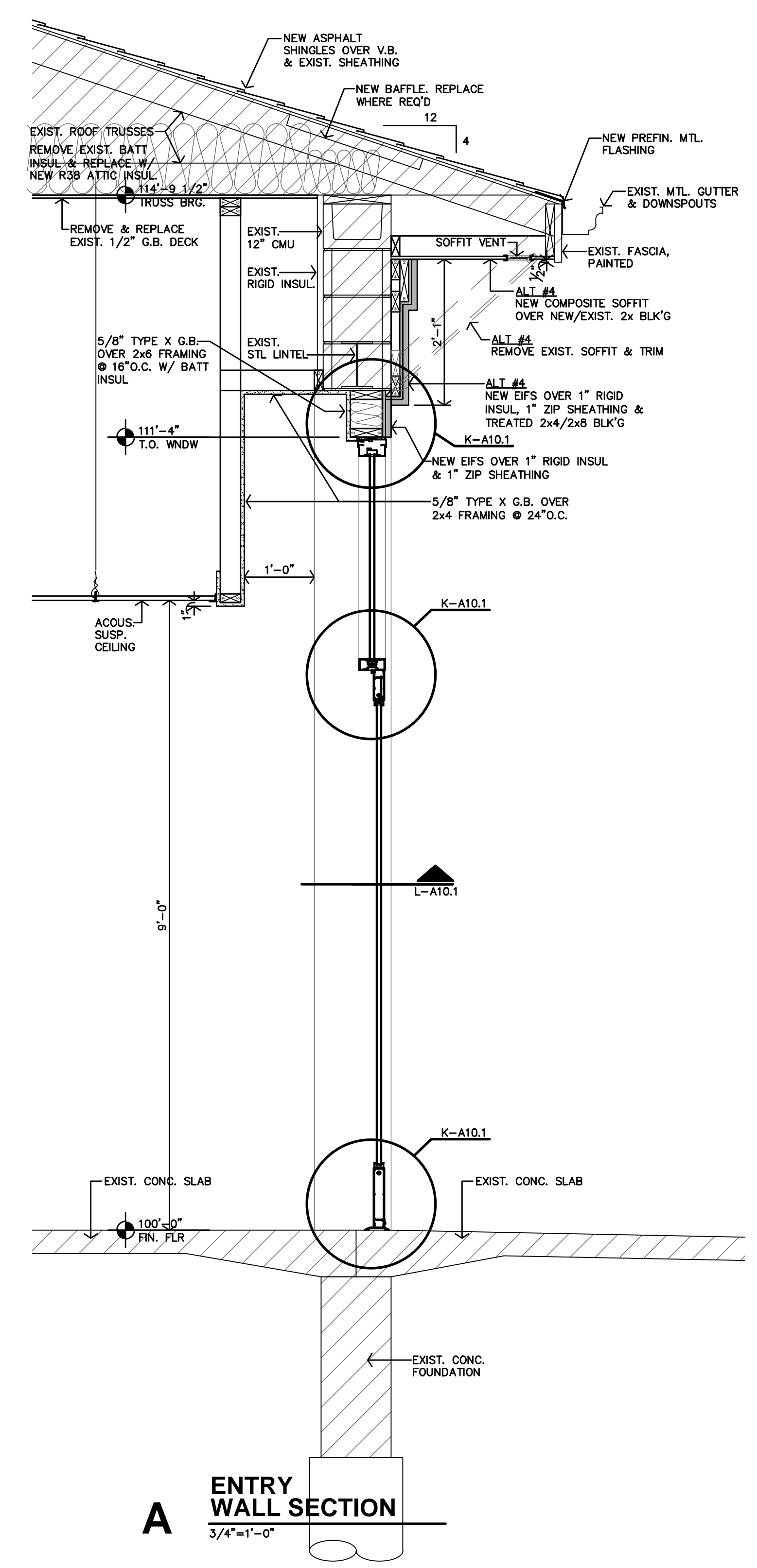
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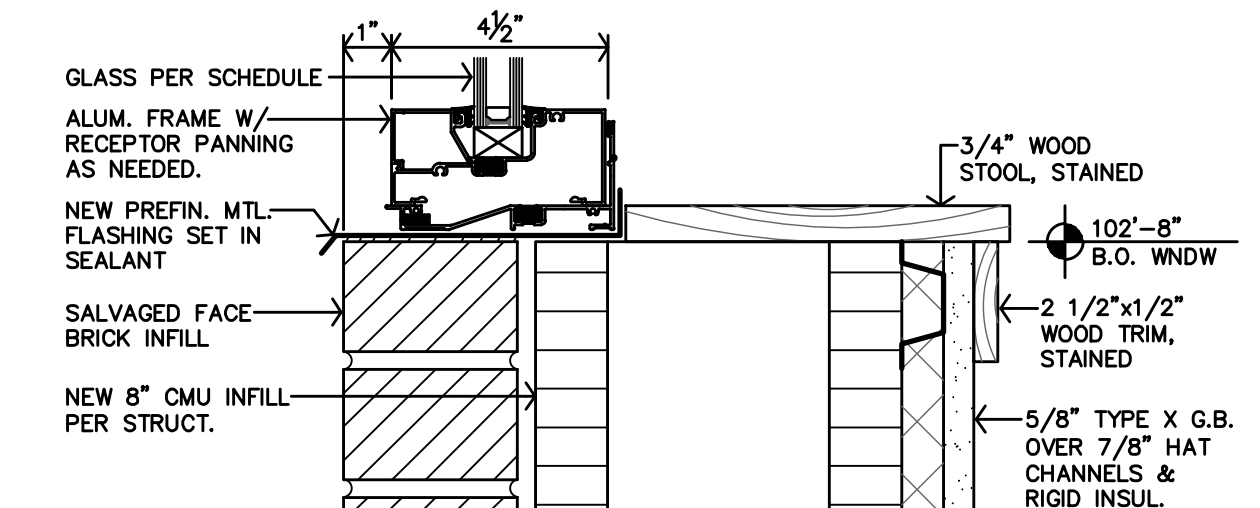
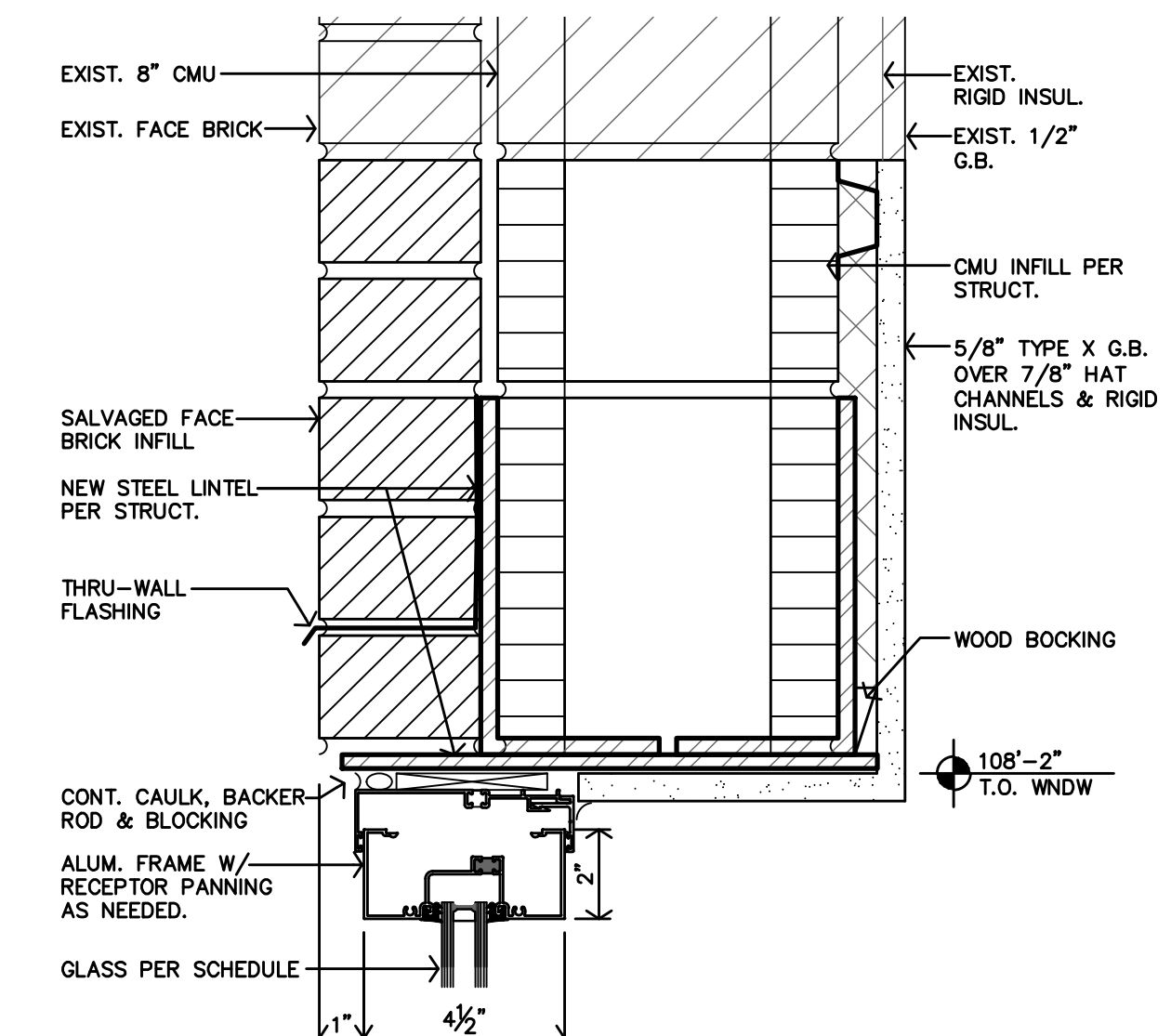
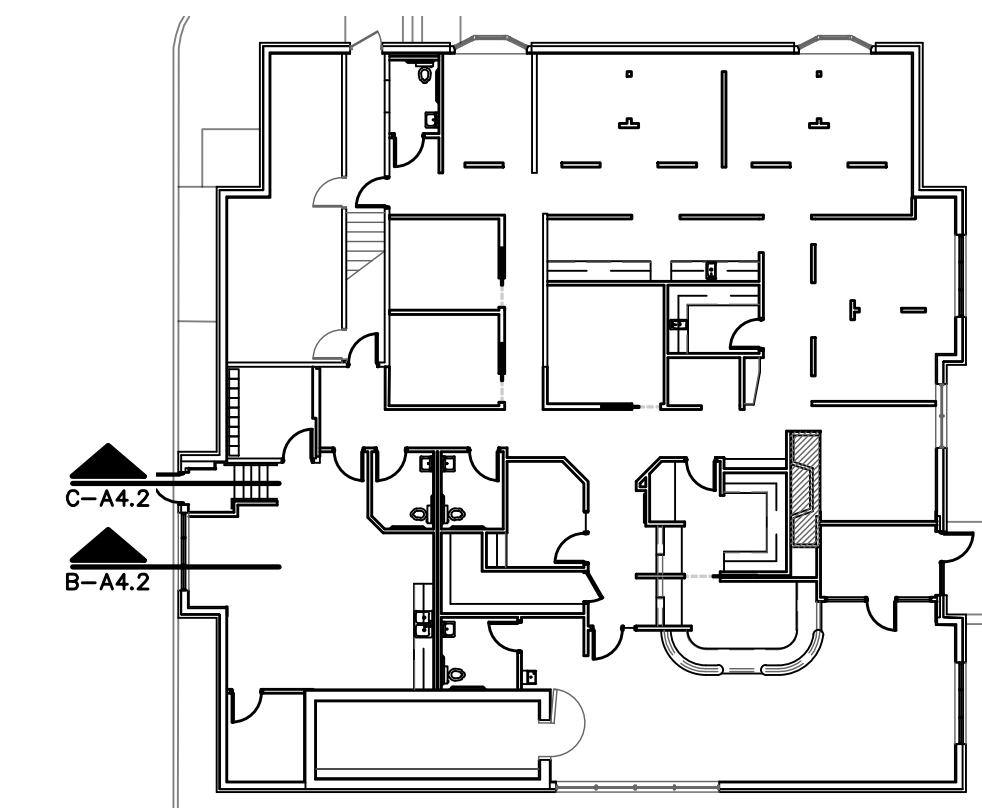
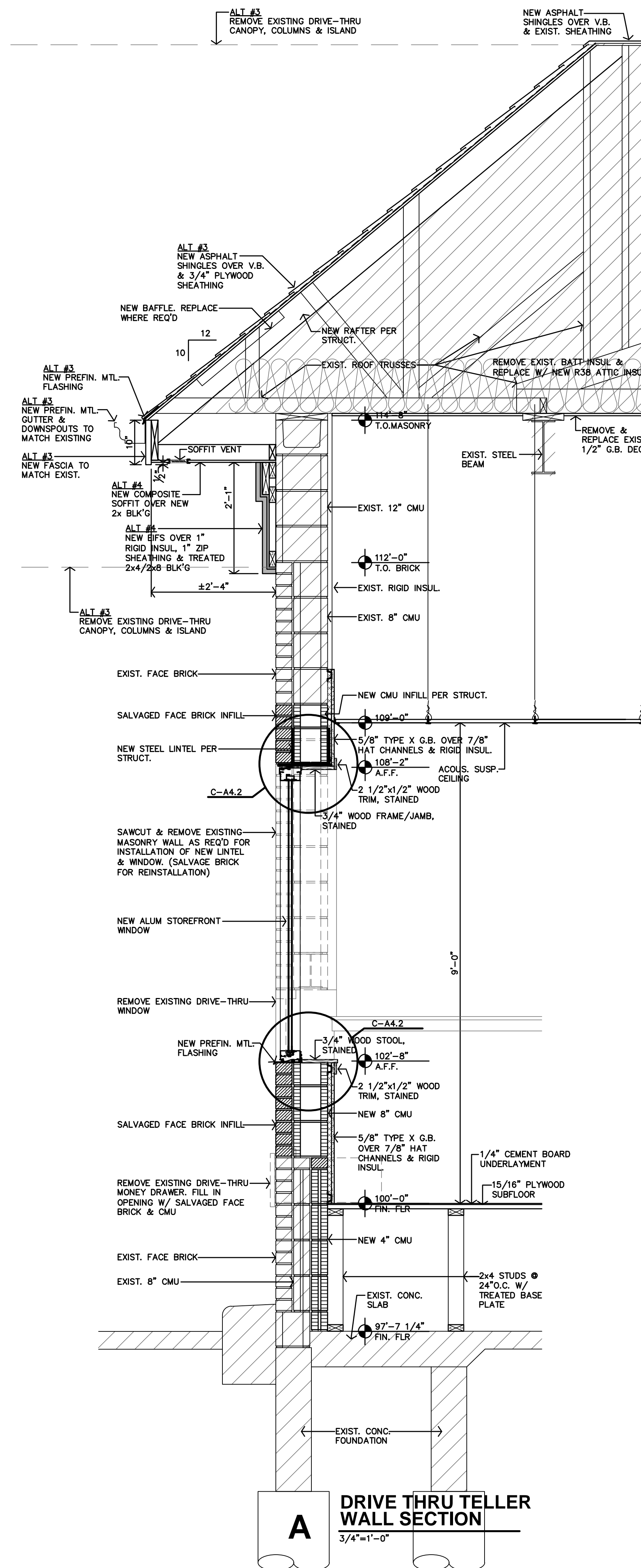
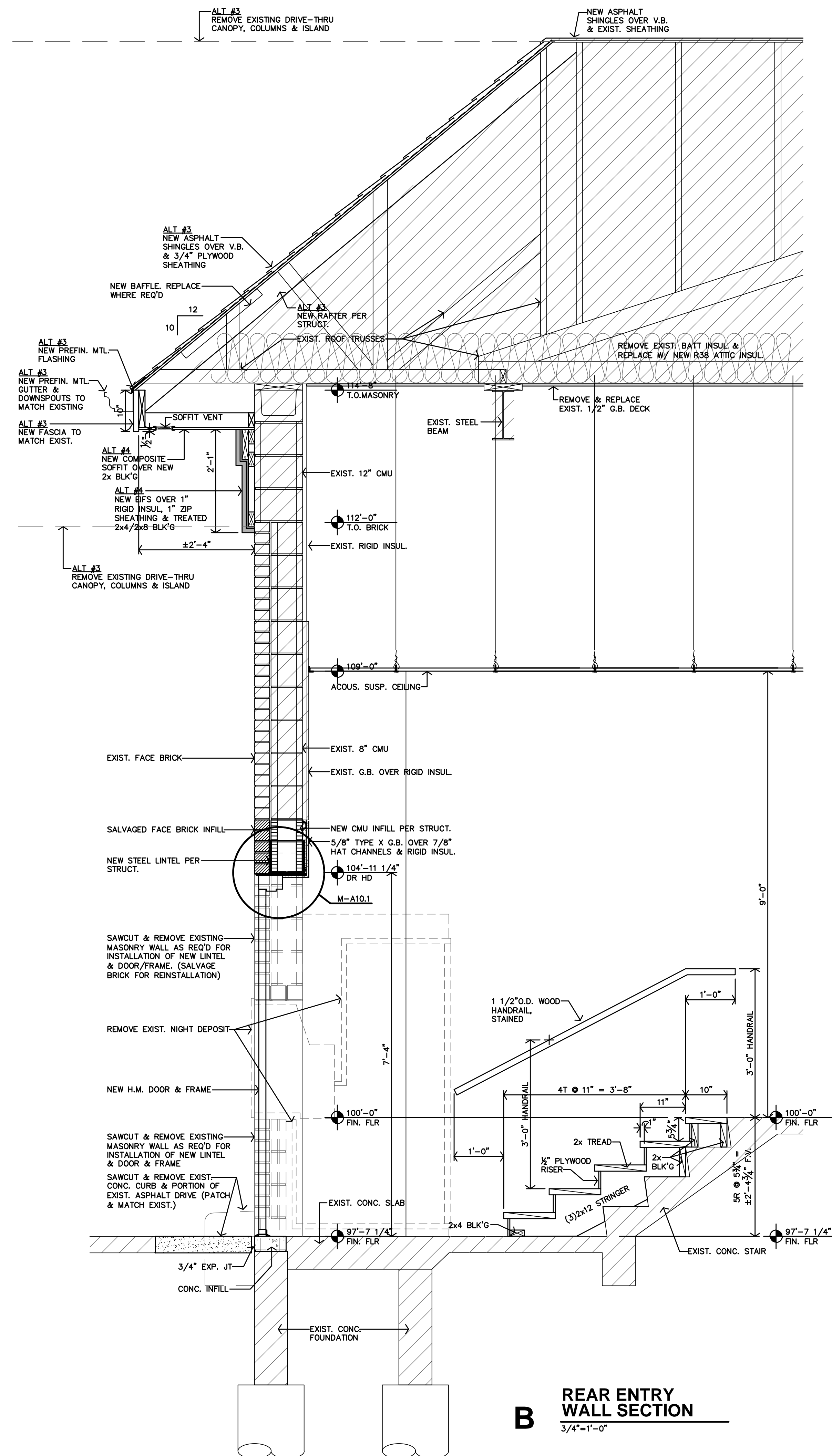


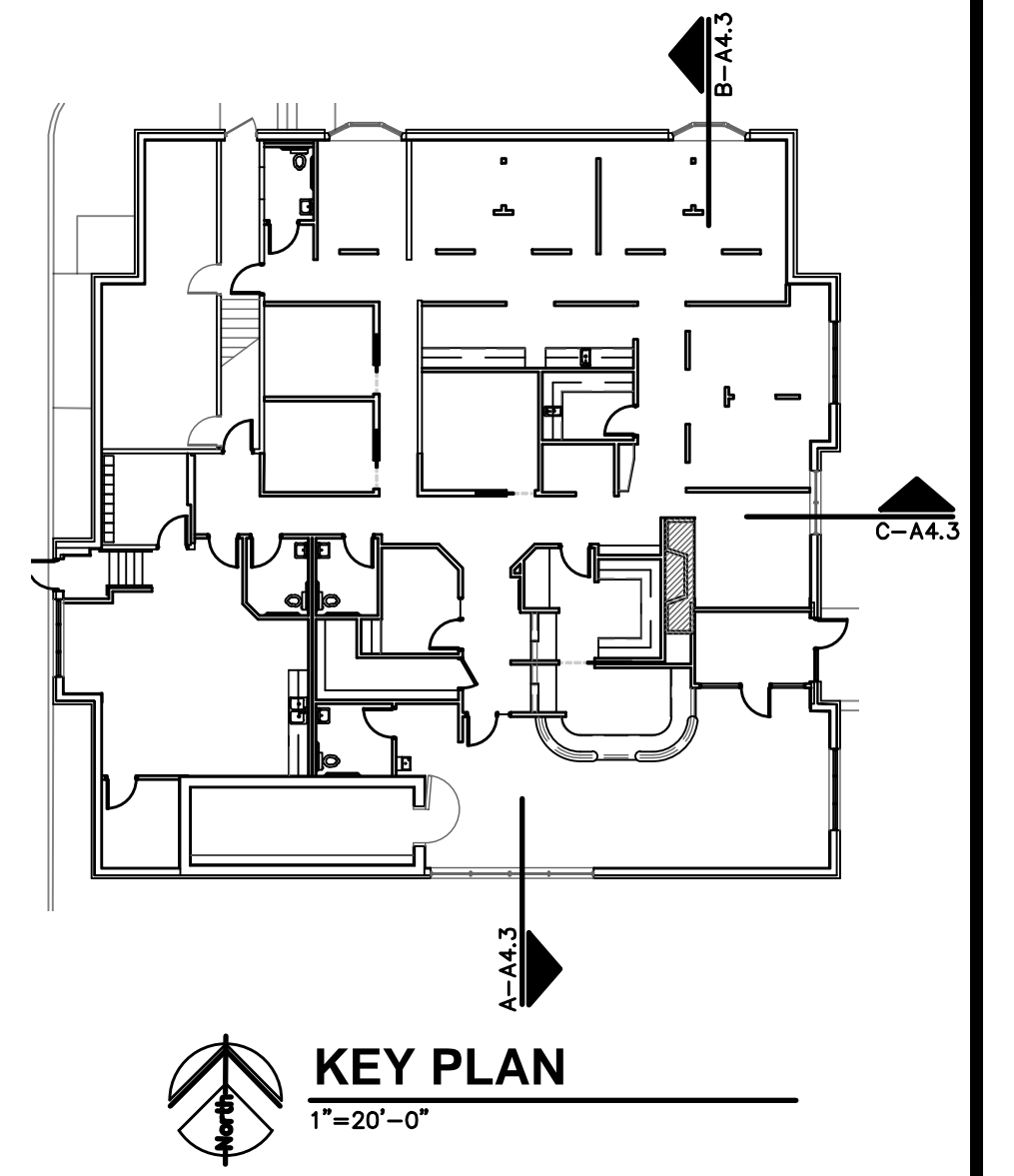
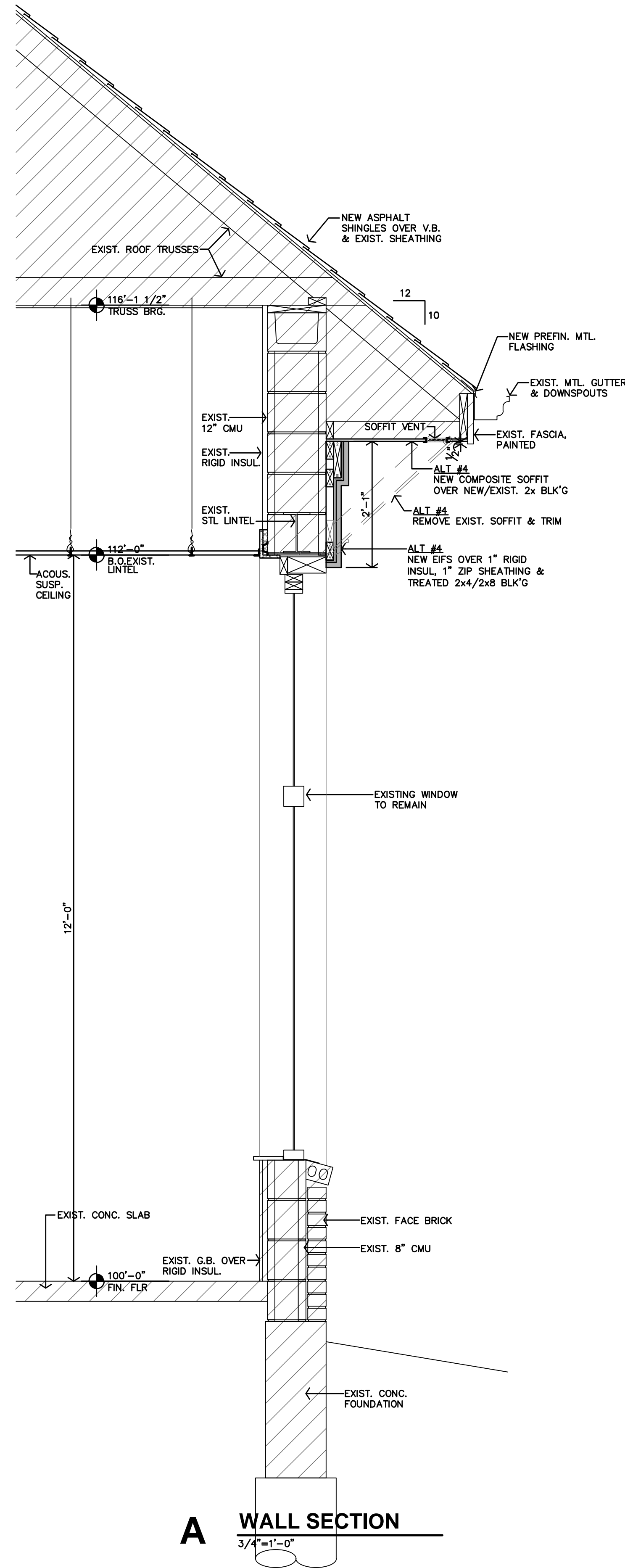
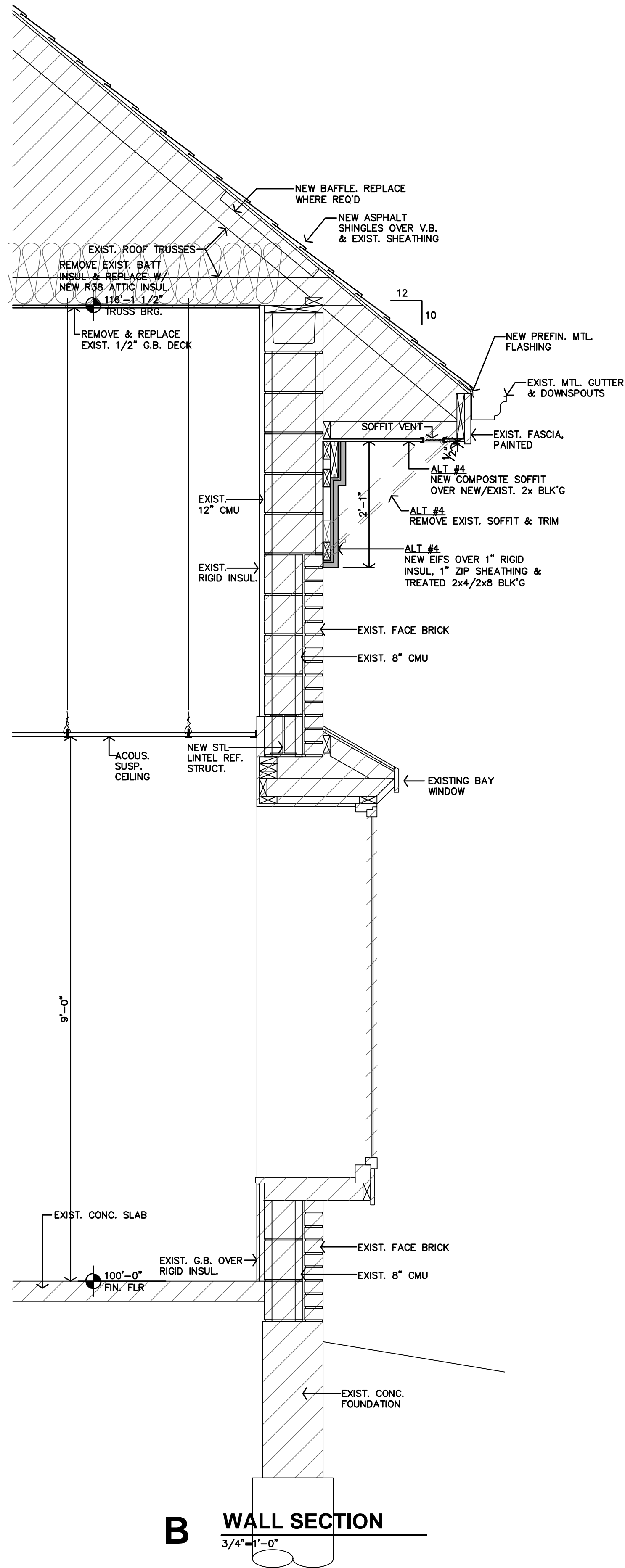
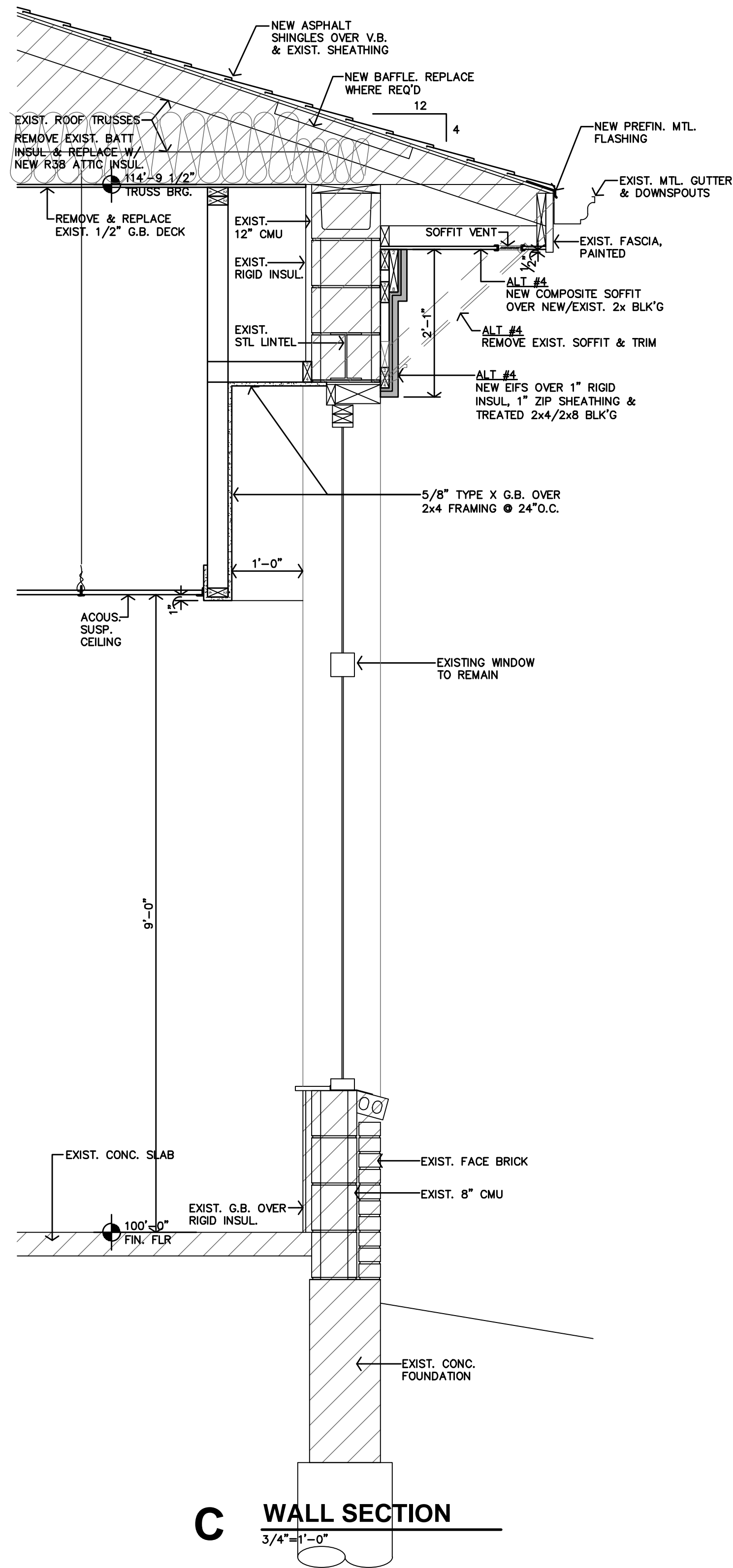
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KEY PLAN
1"=20'-0"

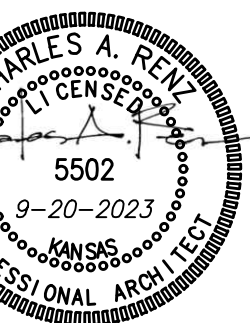






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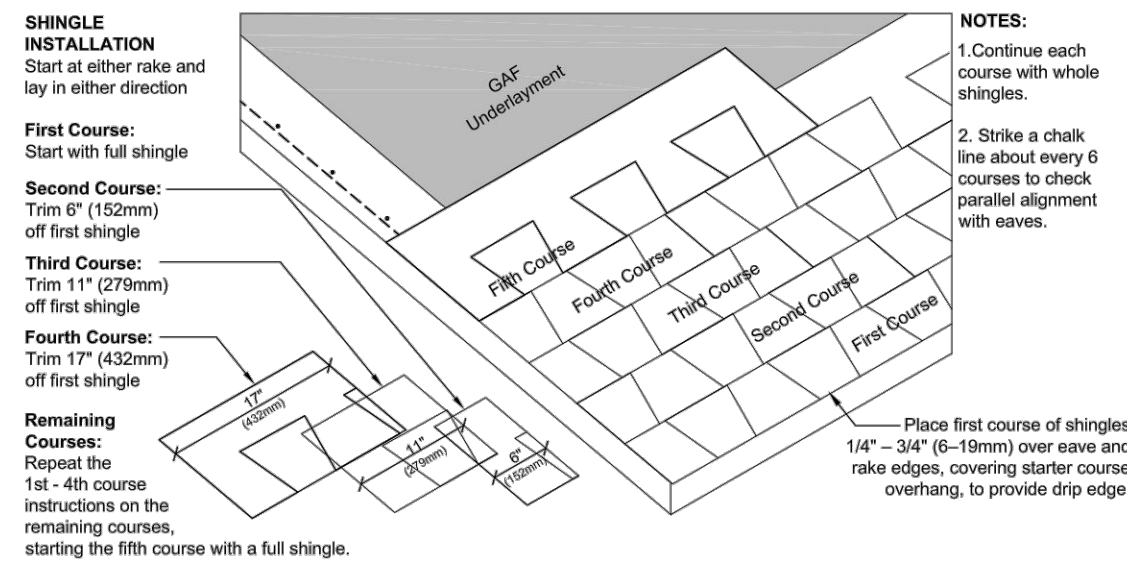
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JOB: 22-3211
SHEET NO.:

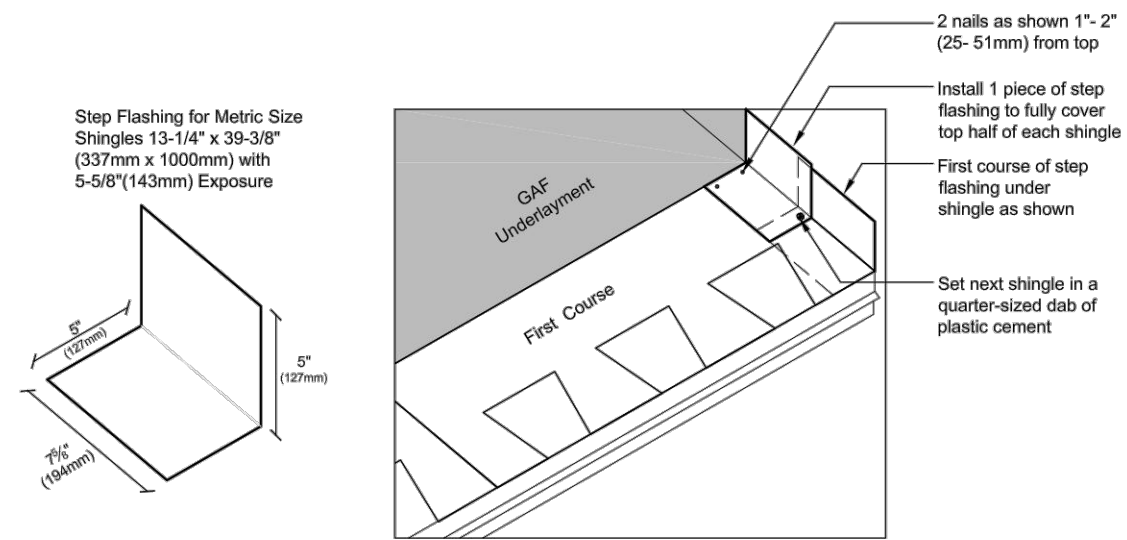
A4.3

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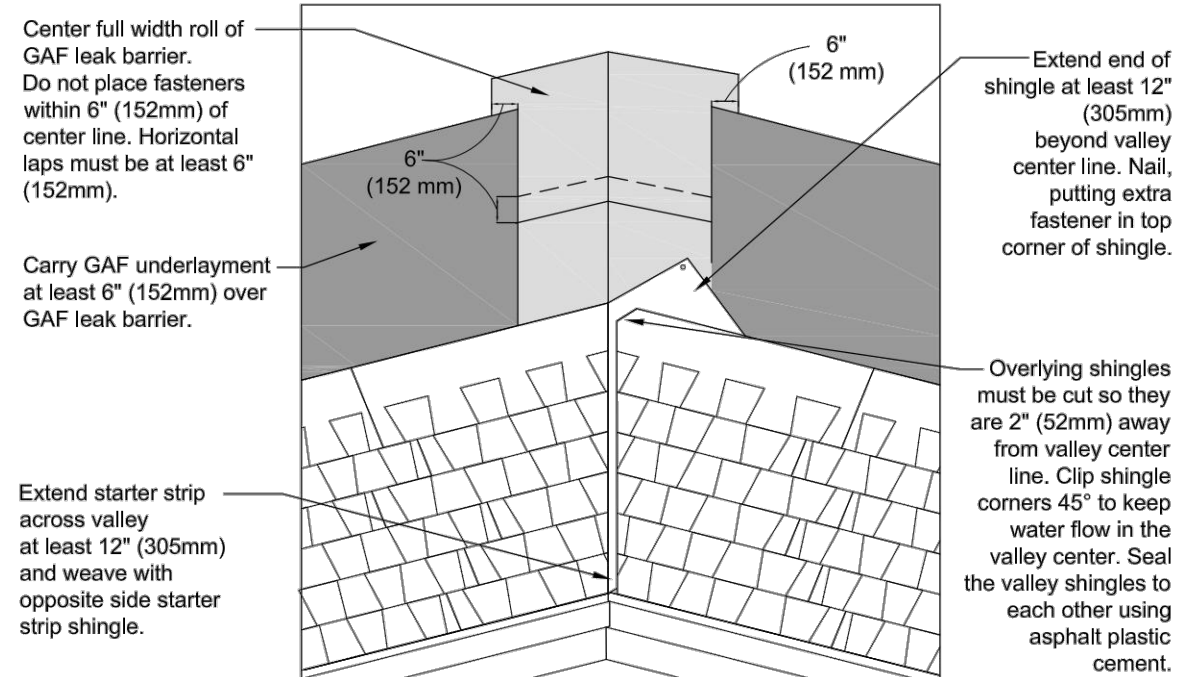
ASPHALT SHINGLES



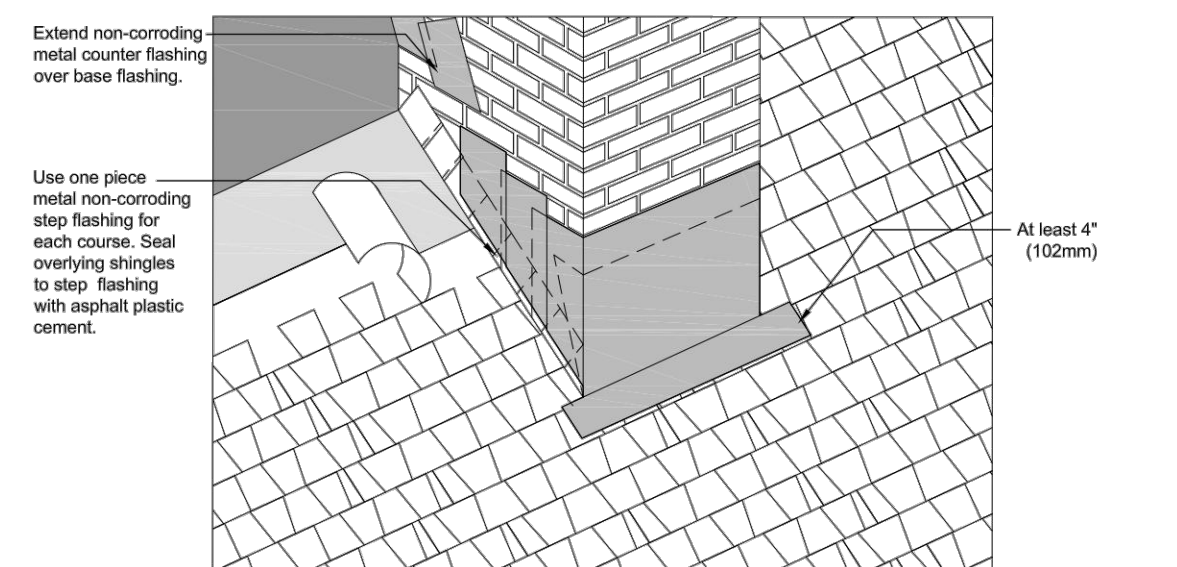
F SHINGLE INSTALLTION
NO SCALE



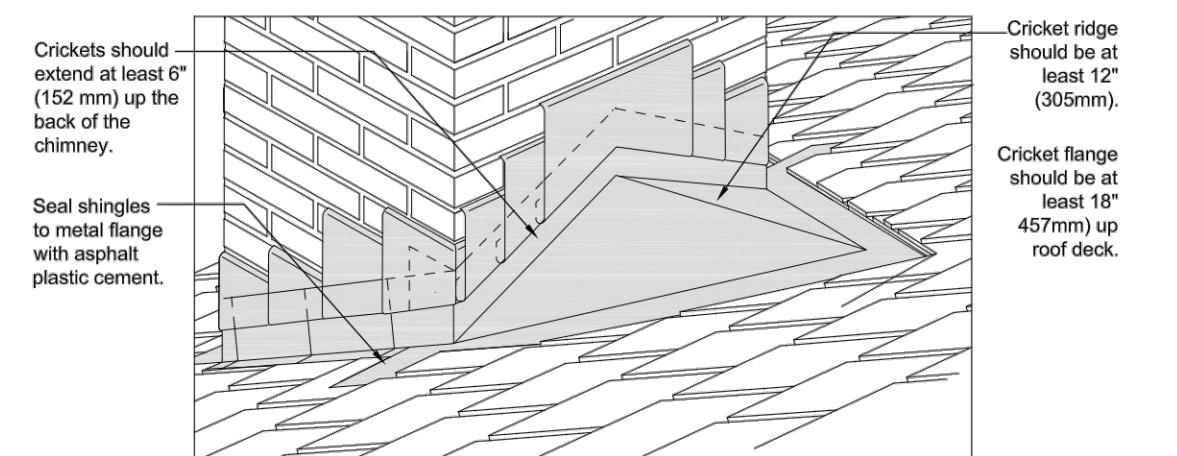
E STEP FLASHING
NO SCALE



D CLOSED VALLEY
NO SCALE



C CHIMNEY FLASHING
NO SCALE



B CHIMNEY CRICKET FLASHING
NO SCALE

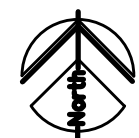
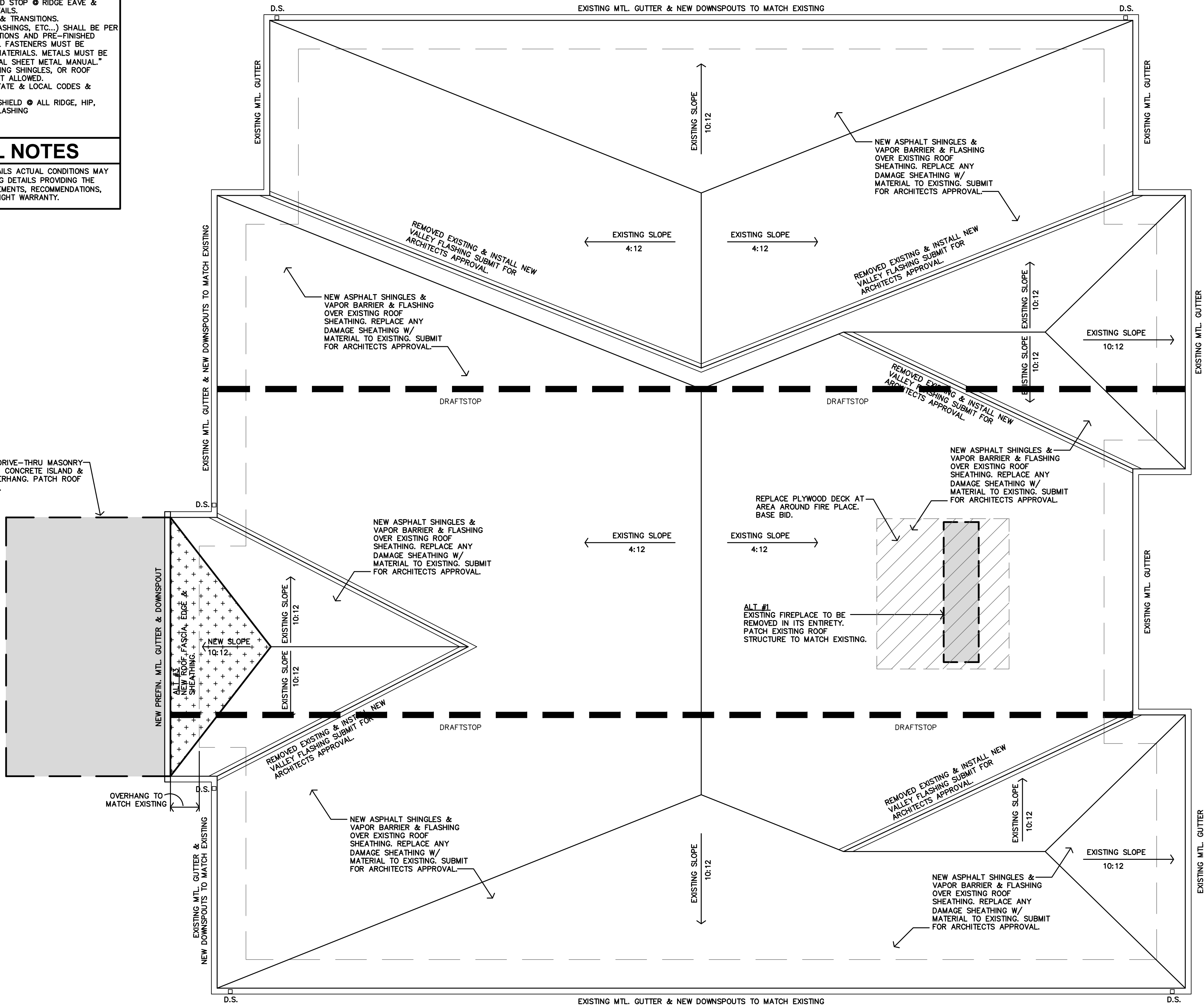
ROOFING GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & CONDITIONS.
2. MANUFACTURER & INSTALLER SHALL BE RESPONSIBLE FOR TOTAL ROOF SYSTEM INCLUDING TRANSITIONS, FLASHINGS, ETC. TO MAINTAIN WATER TIGHT ROOF SYSTEM. SUBMIT MANUFACTURERS AND ROOFING SYSTEMS PER THE GENERAL CONDITIONS.
3. MANUFACTURER SHALL WARRANT TOTAL ROOF SYSTEM.
4. REF STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS.
5. PLUMBING VENT STACKS, FLUES, FRESH AIR INTAKES, ETC. NOT SHOWN FOR CLARITY. VERIFY LOCATION WITH MECHANICAL & PLUMBING DRAWINGS.
6. D.S. - INDICATES DOWNSPOUT LOCATIONS.
7. CONTRACTOR SHALL COORDINATE DOWNSPOUT LOCATIONS & SPLASH PADS. REFERENCE CIVIL DRAWINGS.
8. CONTRACTOR TO PROVIDE & INSTALL BIRD STOP @ RIDGE EAVE & RAKE PER MANUF. REQUIREMENTS & DETAILS.
9. CAULK & SEAL WATERTIGHT ALL JOINTS & TRANSITIONS.
10. ALL METAL MATERIALS (I.E. VALLEYS, FLASHINGS, ETC...) SHALL BE PER MANUFACTURES SPECS OR RECOMMENDATIONS AND PRE-FINISHED GALVANIZED OR ALUM. ZINC ALLOY. ALL FASTENERS MUST BE COMPATIBLE WITH ASSOCIATED METALS/MATERIALS. METALS MUST BE INSTALLED PER SMACNA's "ARCHITECTURAL SHEET METAL MANUAL."
11. CONTRACTOR TO USE NAILS FOR FASTENING SHINGLES, OR ROOF PANELS AND SYSTEMS. STAPLES ARE NOT ALLOWED.
12. CONTRACTOR MUST COMPLY WITH ALL STATE & LOCAL CODES & REGULATIONS.
13. CONTRACTOR TO INSTALL ICE & WATER SHIELD @ ALL RIDGE, HIP, VALLEY, SLOPE TRANSITIONS & METAL FLASHING

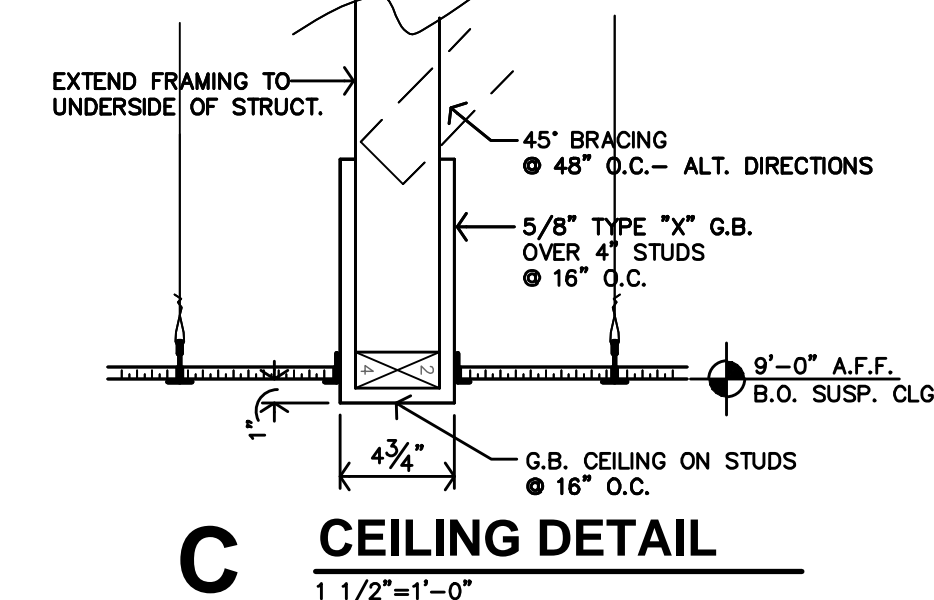
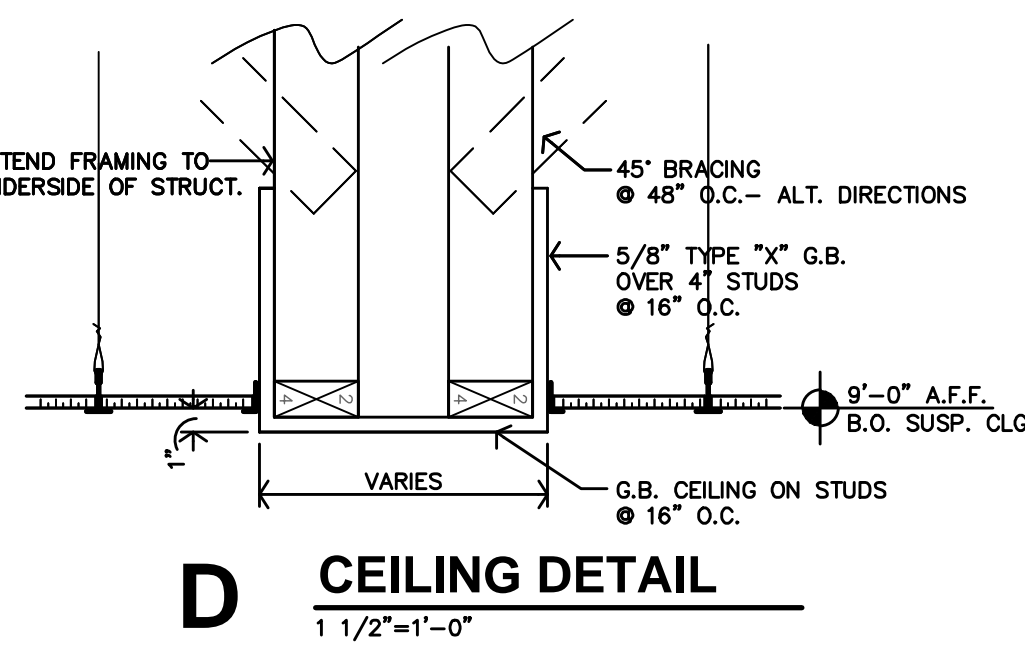
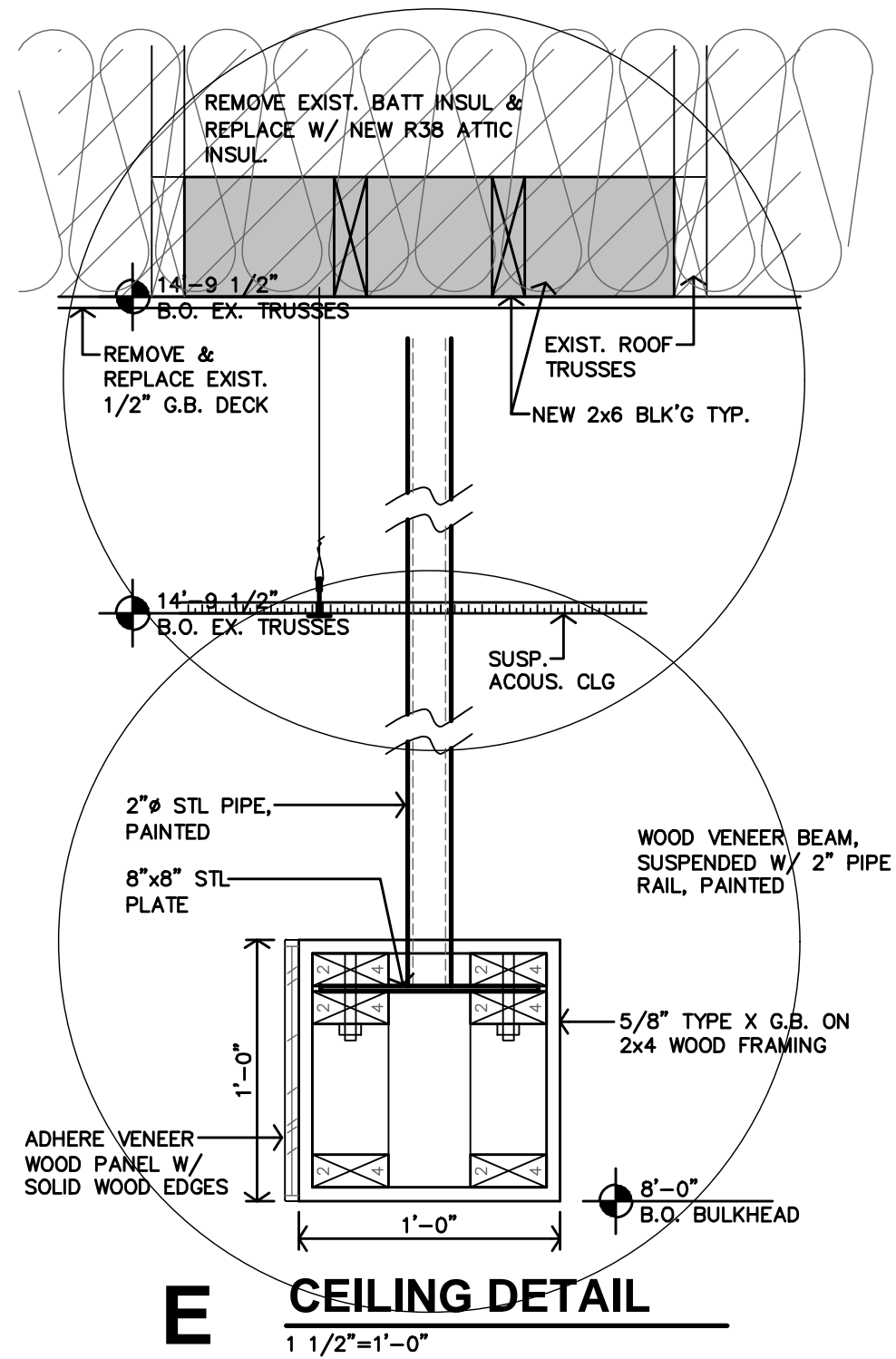
ROOFING DETAIL NOTES

1. REFERENCE TYPICAL MANUFACTURER'S DETAILS ACTUAL CONDITIONS MAY VARY, REFER AND COORDINATE W/ BUILDING DETAILS PROVIDING THE MANUFACTURER'S MOST STRINGENT REQUIREMENTS, RECOMMENDATIONS, NECESSARY TO ACHIEVE COMPLETE WATERTIGHT WARRANTY.

CONTRACTOR SHALL ASSUME THAT AREAS OF EXISTING ROOF DECK WILL REQUIRE REPLACEMENT, CONTRACTOR SHALL INCLUDE ALL LABOR AND MATERIAL FOR REPLACEMENT OF 700 S.F. OF PLYWOOD DECKING AND ASSOCIATED COMPONENTS IN THE BASE BID. ADDITIONAL REPLACEMENT SHALL BE ON A T&M BASIS.



A ROOF PLAN
3/16"=1'-0"



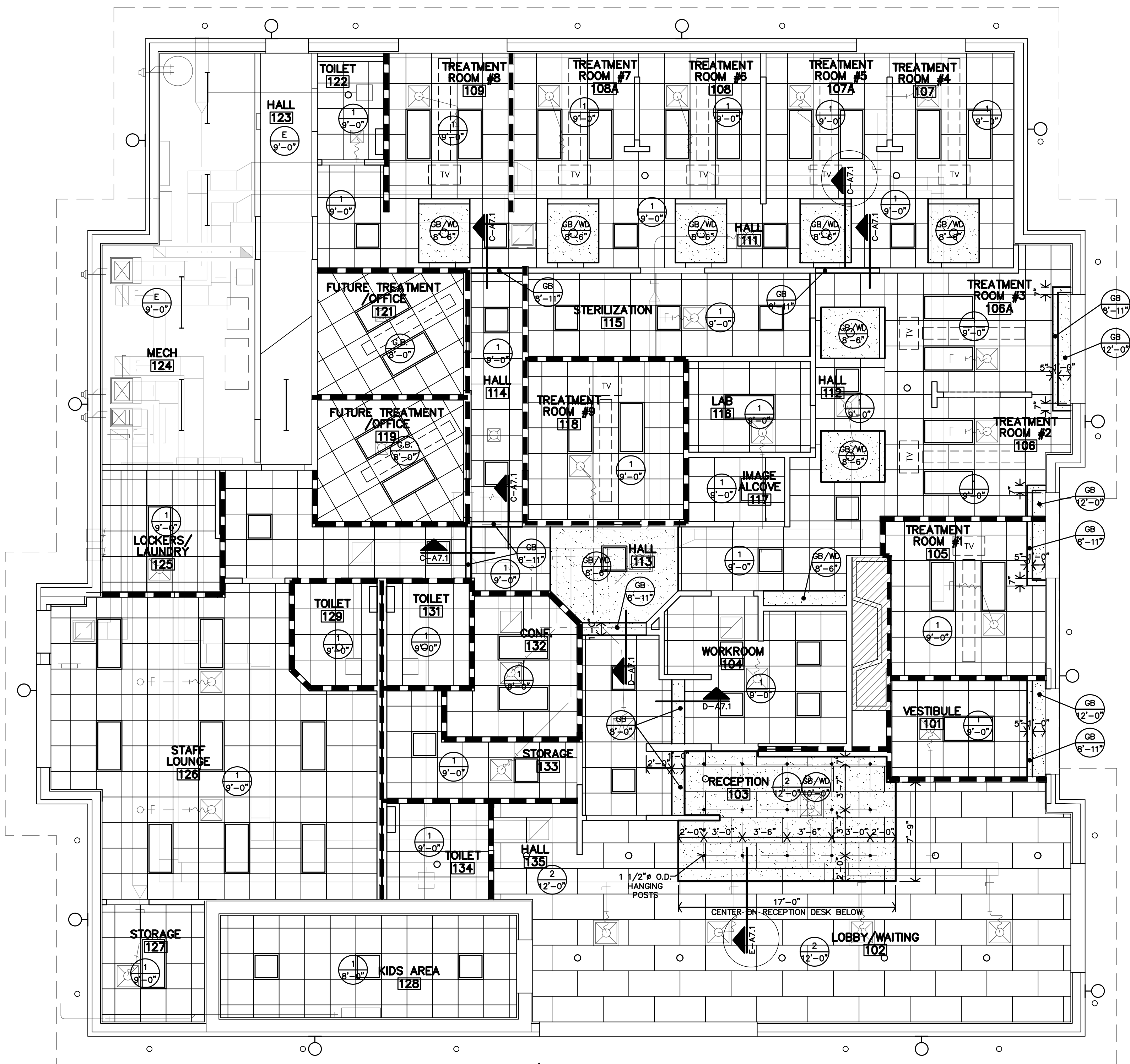
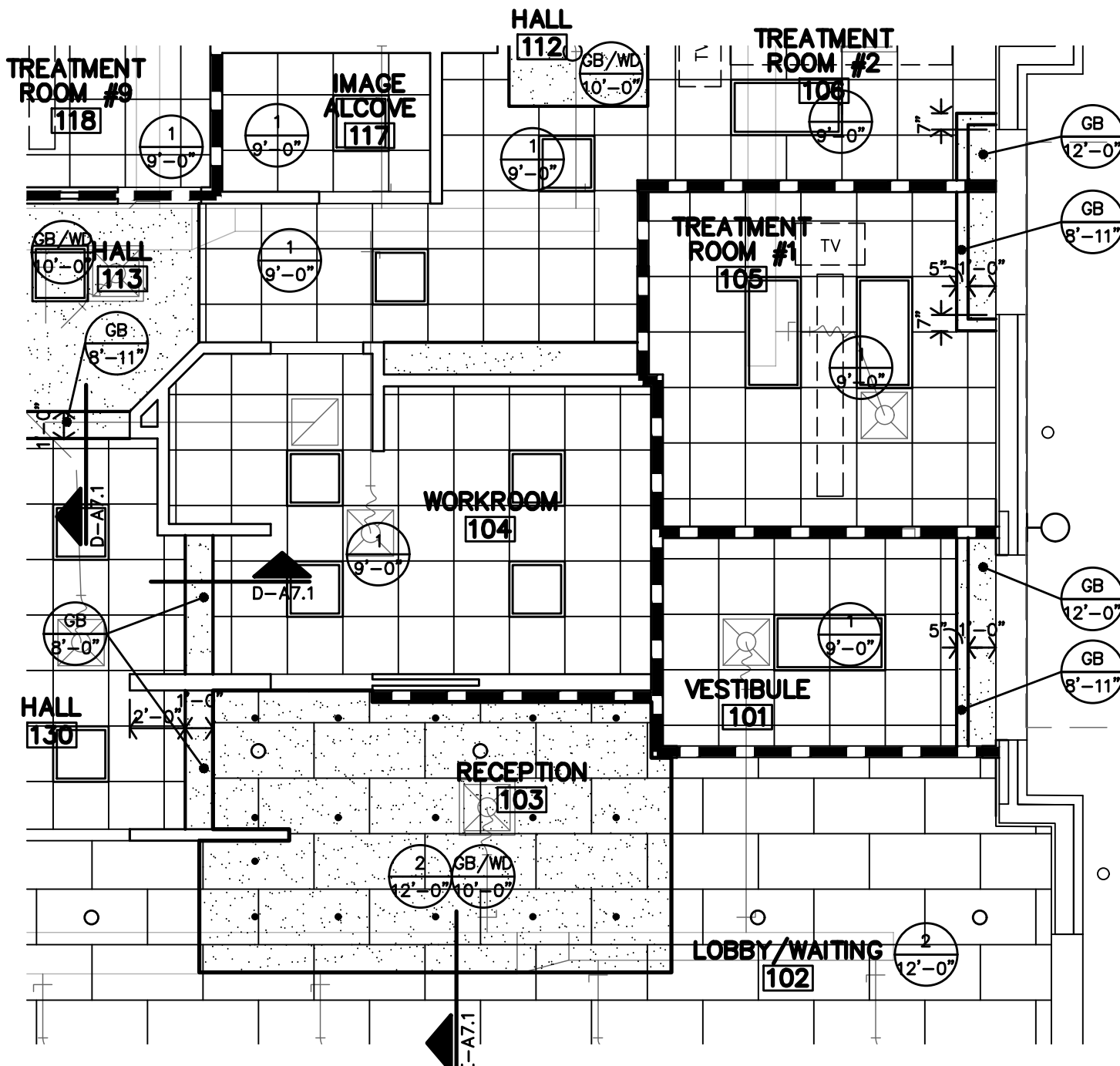
CEILING TYPES	
REFER SPECIFICATIONS	
1	2x2 FISSED
2	2x4 CIRRUS 9/16" GRID SLOTTED
ST	EXPOSED STRUCTURE (PAINTED)
GB	FIRE RATED GYP BD (PAINTED)
E	EXISTING - NO WORK

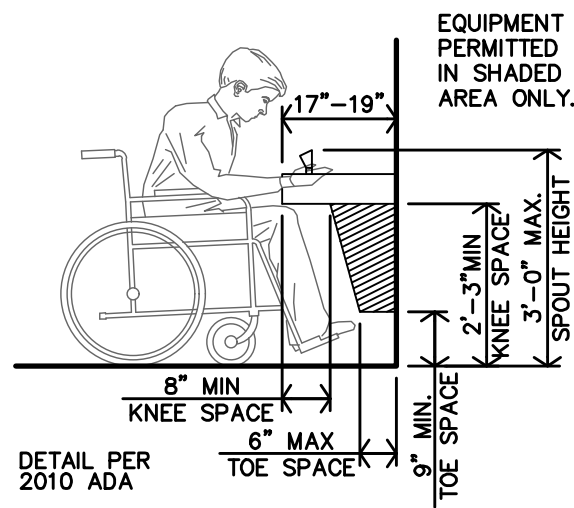
1 CLG. TYPE
8'-8" CLG. HEIGHT A.F.F.

- REFLECTED CEILING PLAN NOTES**
1. CONTRACTOR SHALL COORDINATE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL FIXTURE LOCATIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICT OR DISCREPANCY.
 2. MECHANICAL/ELECTRICAL FIXTURES @ RATED CEILINGS SHALL BE HUNG IN CONFORMANCE TO U.L. SYSTEM REQUIREMENTS.
 3. CEILING MOUNTED MECHANICAL EQUIPMENT AND SUSPENDED MECHANICAL EQUIPMENT MUST BE SUSPENDED DIRECTLY FROM THE STRUCTURE.
 4. AREAS ABOVE THE FINISHED CEILING ARE PART OF A RETURN AIR PLENUM. ALL MATERIALS INCLUDING THE INSULATION SHALL HAVE FLAME SPREAD LESS THAN 25 AND SMOKE DEVELOPED LESS THAN 50.
 5. SPECIAL CEILING GRID FRAMING IS REQUIRED AT SOME CEILING MOUNTED MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE WITH MECHANICAL UNITS AND PROVIDE ALL SUSPENSION, TRIM, CLIPS, ETC. AS REQUIRED FOR A NEAT, FINISHED, AND SECURE CEILING SYSTEM.
 6. WHERE SUSPENSION DEVICES, WIRES, RODS, ETC. PENETRATE CEILING GRID AND/OR TILE OR G.B. PENETRATIONS SHALL BE NEAT AND CLEANLY CUT. PENETRATION OPENING SHALL BE AS SMALL AS POSSIBLE. SEAL AT G.B.

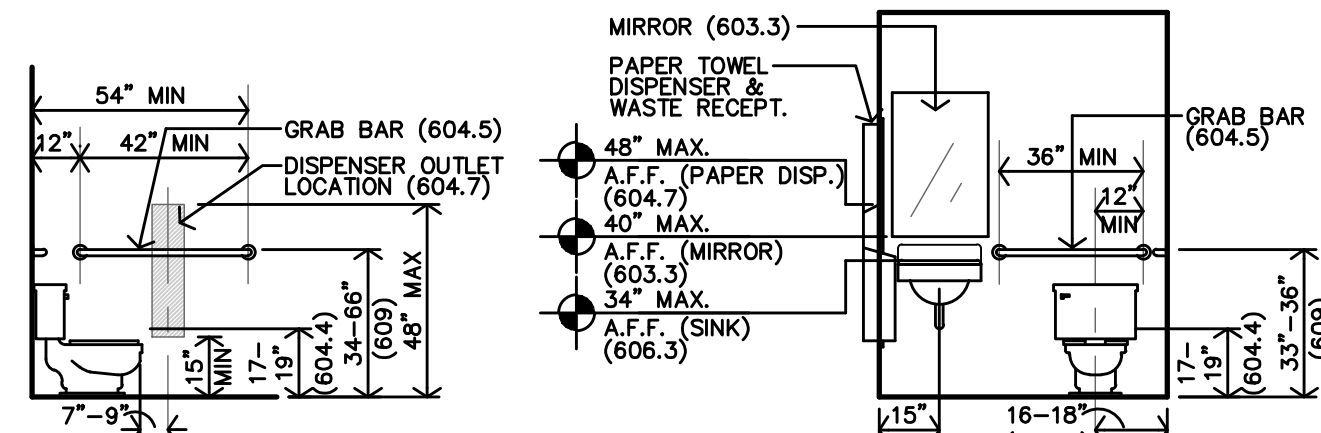
ALL SOUND WALLS SHALL EXTEND TO STRUCTURE OR DECK, TAPE SEAL AT TOP. SEAL VOIDS AT TOPS OF WALLS AND PENETRATIONS WITH U.L. LISTED FIRE BATT INSULATION, PILLOWS, AND/OR FIRE SEALANT AS REQUIRED BY CONDITION. AT RATED WALLS.

LEGEND
--- FULL HEIGHT WALLS EXTEND TO DECK AT UNDERSIDE OF TRUSSES



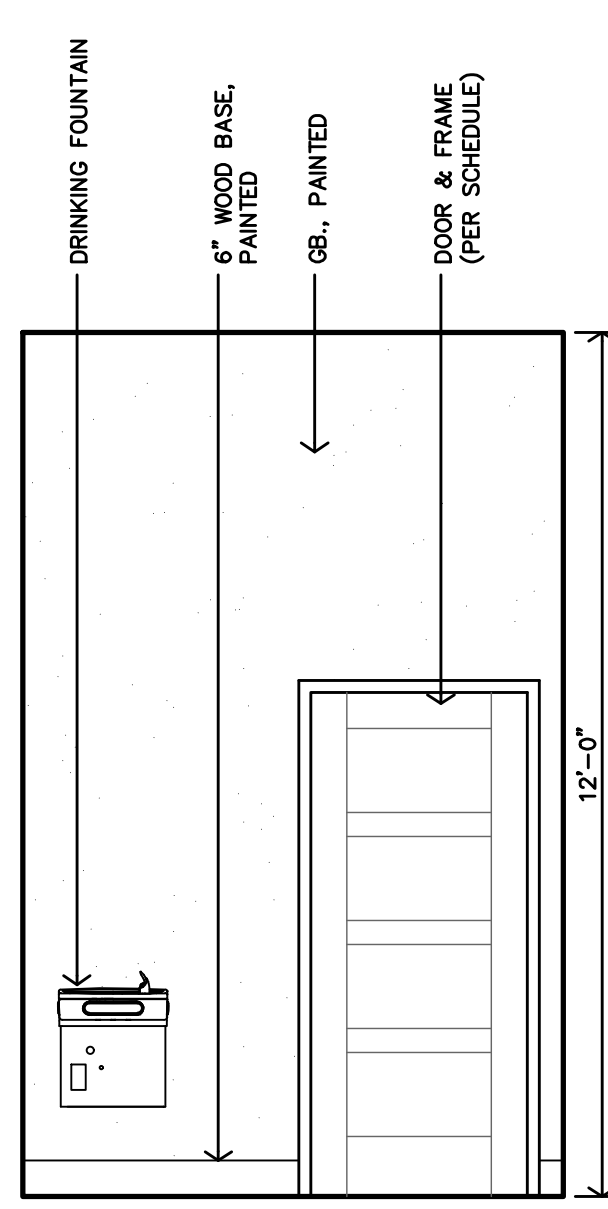


Y DRINKING FOUNTAIN
3/8"=1'-0"

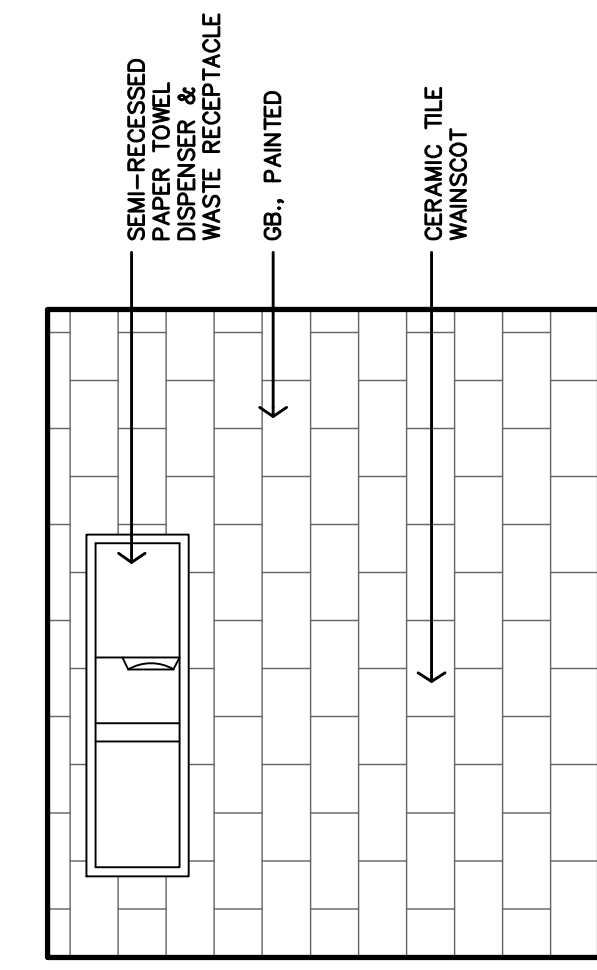


X TYP. HEIGHTS @ H.C. TOILET SIDE WALL
1/4"=1'-0" FOR HC HEIGHTS & LOCATION ONLY

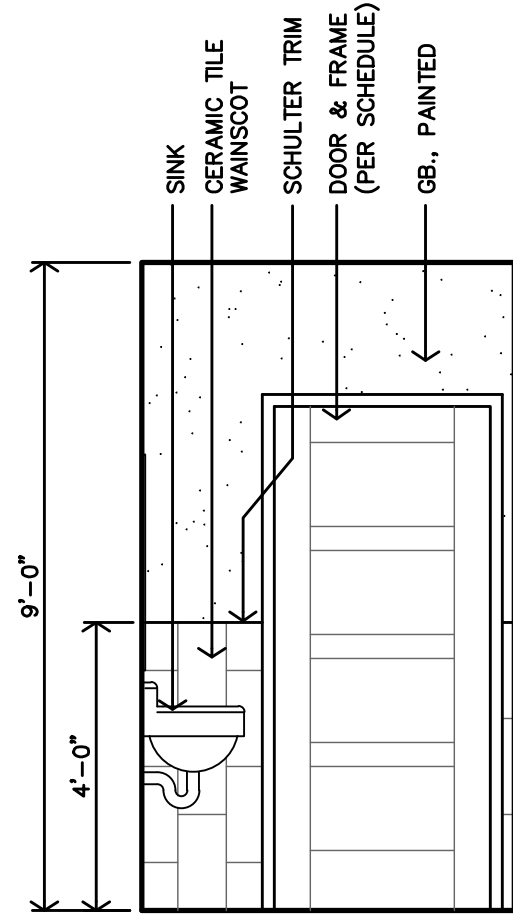
W TYP. HEIGHTS @ H.C. TOILET BACK WALL
1/4"=1'-0" FOR HC HEIGHTS & LOCATION ONLY



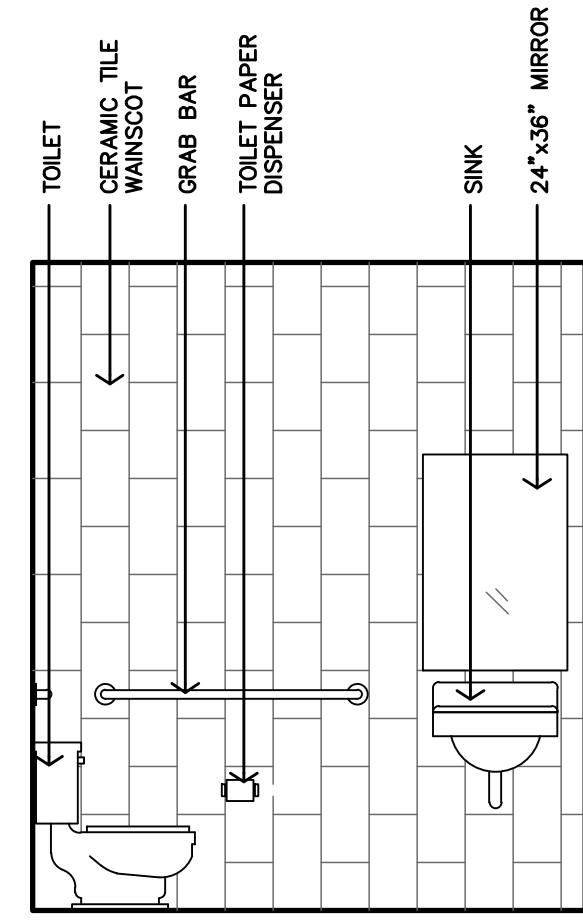
V HALL #135 INTERIOR ELEVATION
3/8"=1'-0"



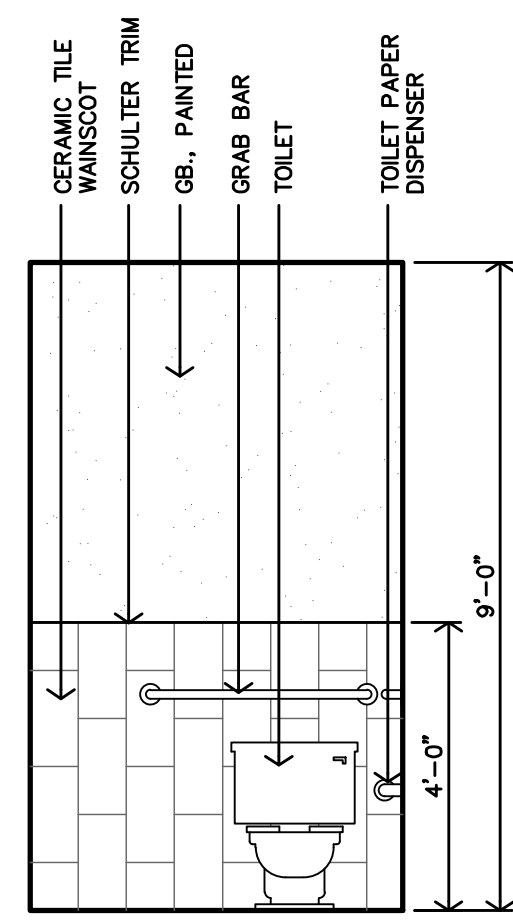
U TOILET #122 INTERIOR ELEVATION
3/8"=1'-0"



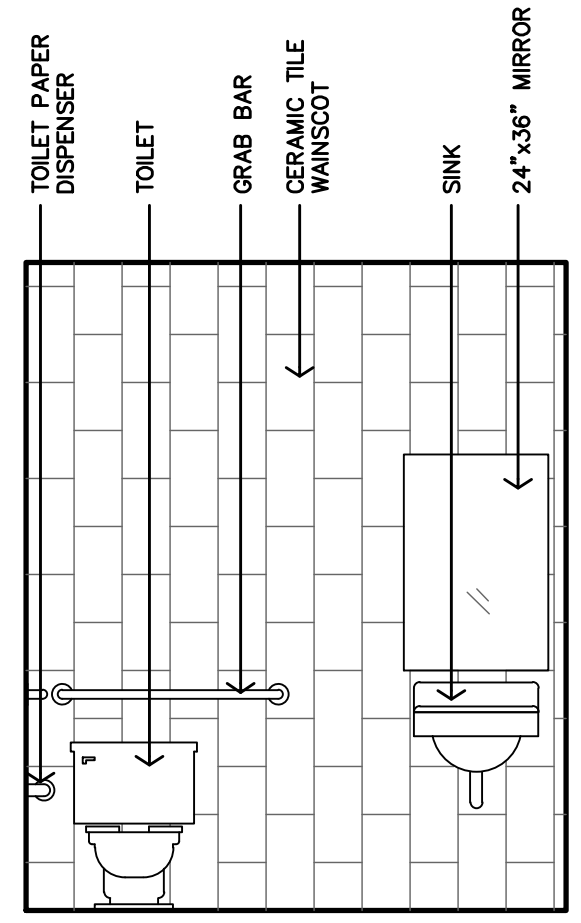
T TOILET #122 INTERIOR ELEVATION
3/8"=1'-0"



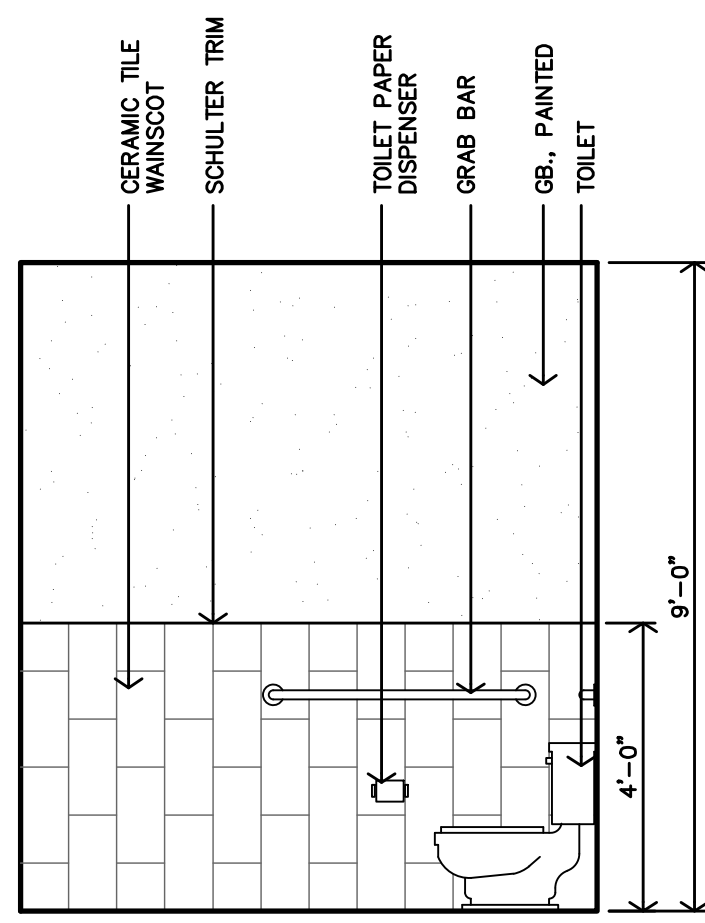
S TOILET #122 INTERIOR ELEVATION
3/8"=1'-0"



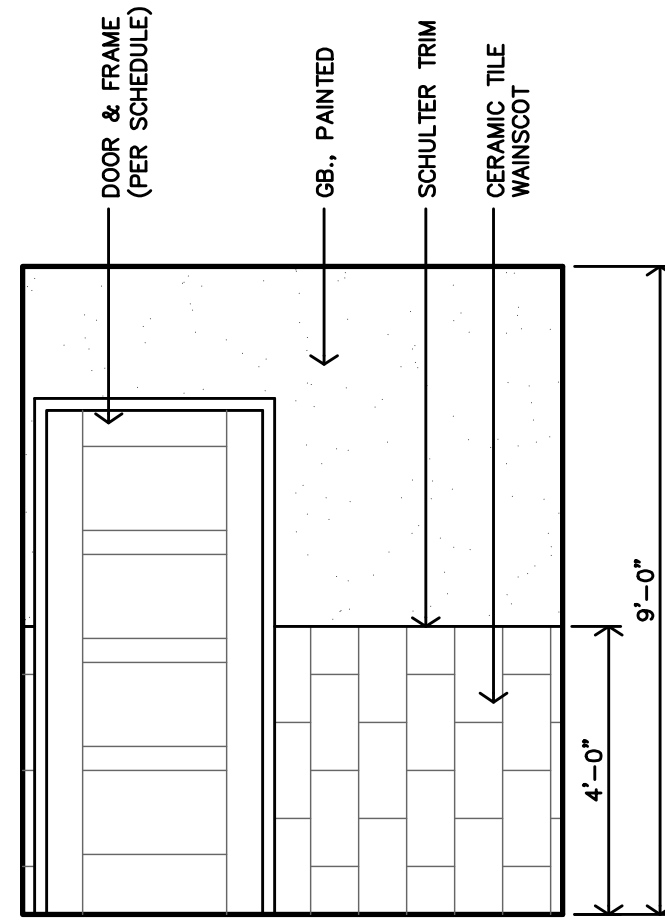
R TOILET #122 INTERIOR ELEVATION
3/8"=1'-0"



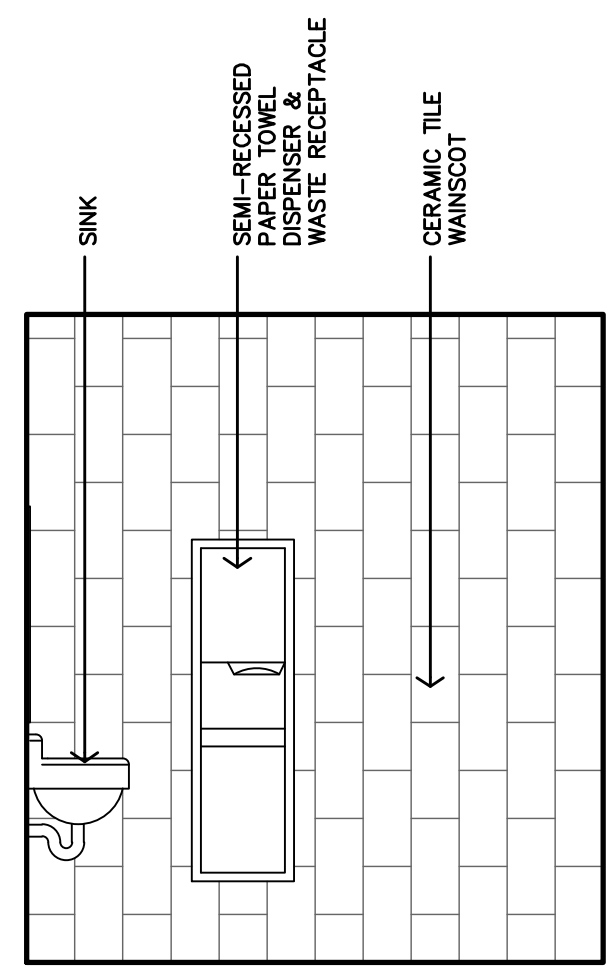
Q TOILET #134 INTERIOR ELEVATION
3/8"=1'-0"



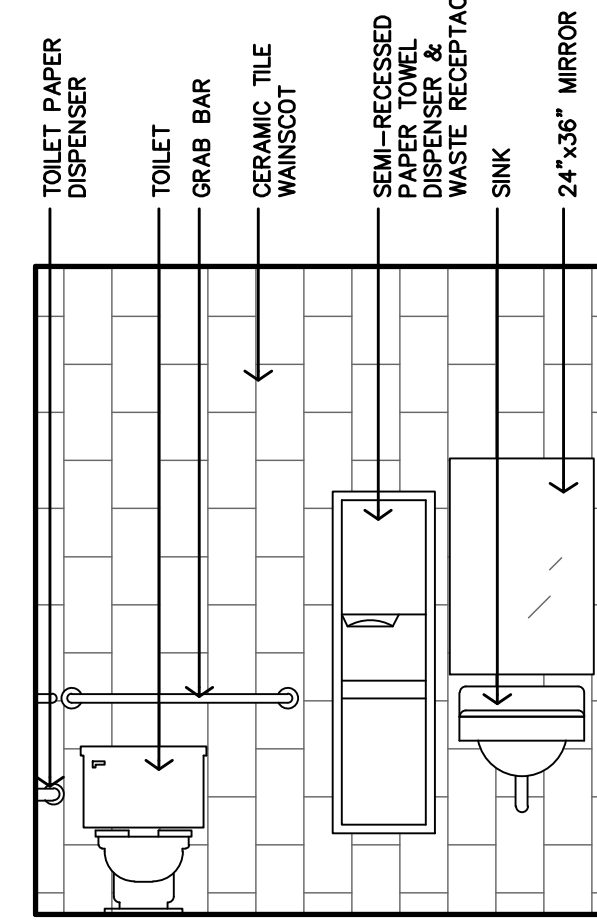
P TOILET #134 INTERIOR ELEVATION
3/8"=1'-0"



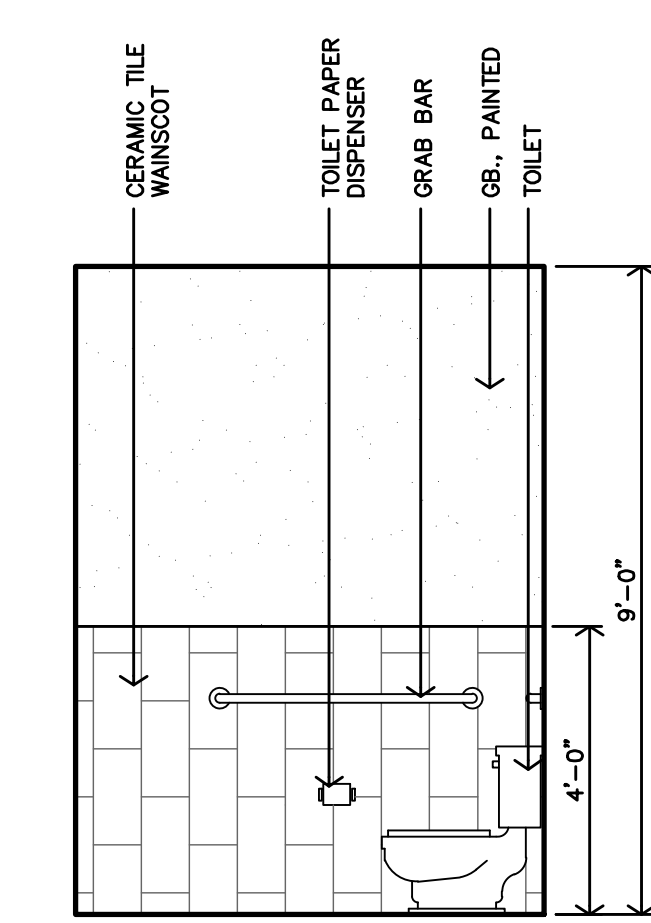
N TOILET #134 INTERIOR ELEVATION
3/8"=1'-0"



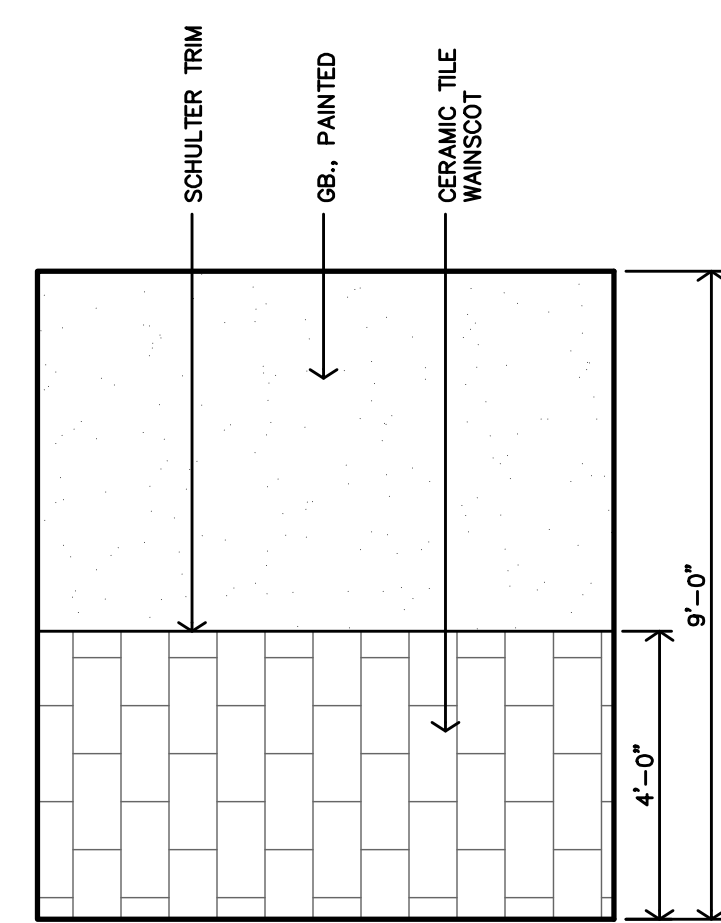
M TOILET #134 INTERIOR ELEVATION
3/8"=1'-0"



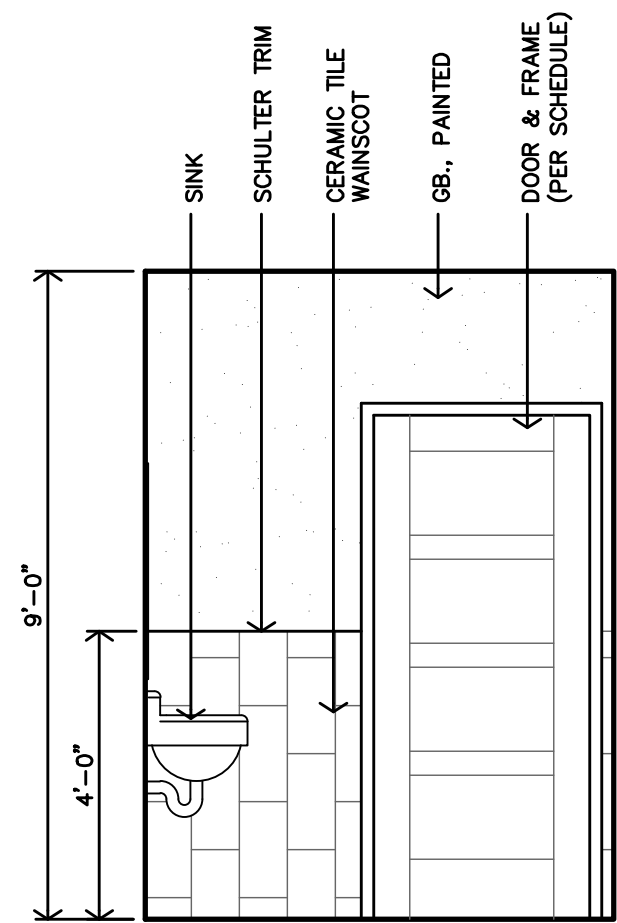
L TOILET #131 INTERIOR ELEVATION
3/8"=1'-0"



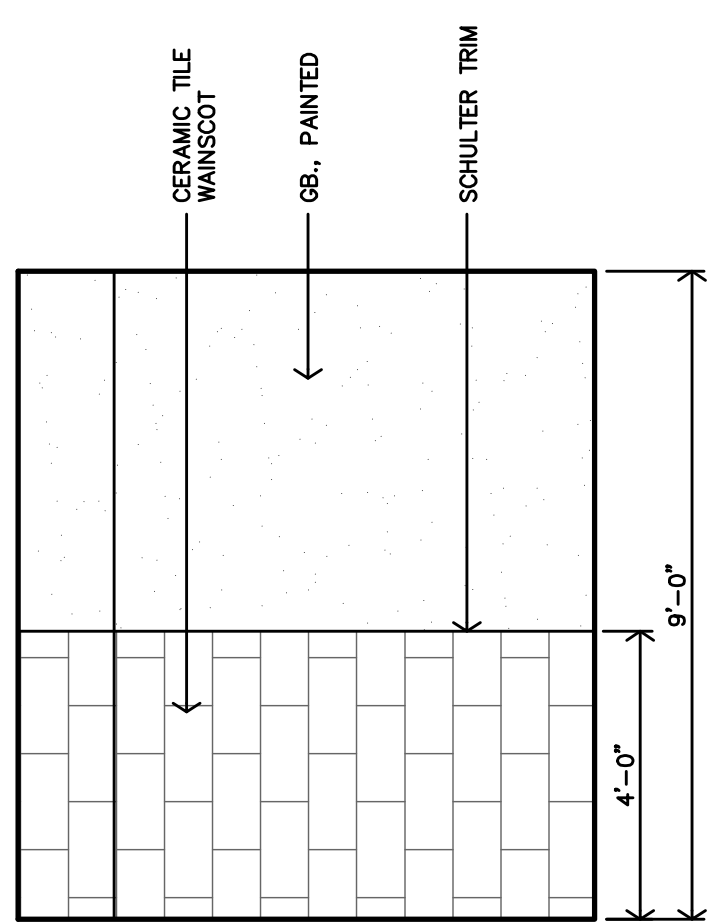
K TOILET #131 INTERIOR ELEVATION
3/8"=1'-0"



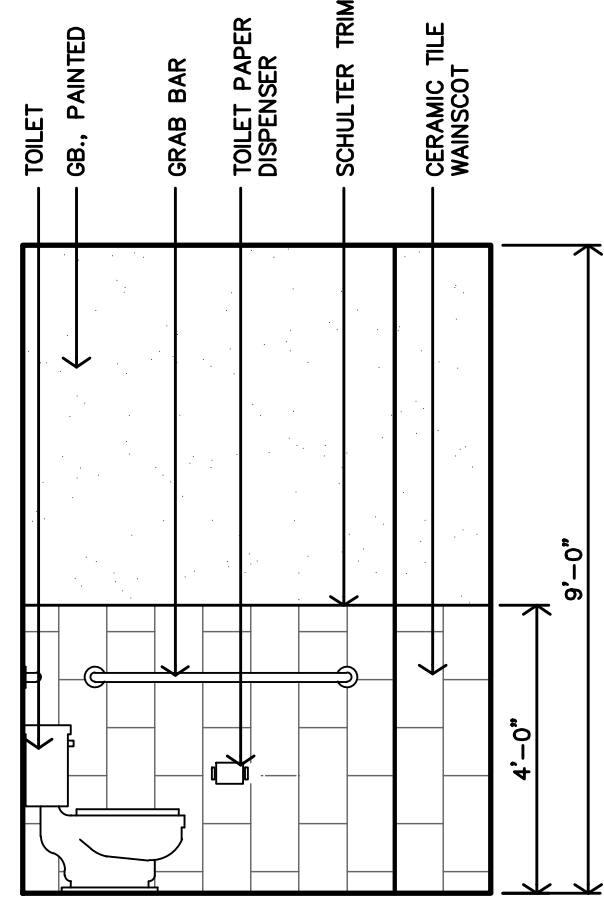
J TOILET #131 INTERIOR ELEVATION
3/8"=1'-0"



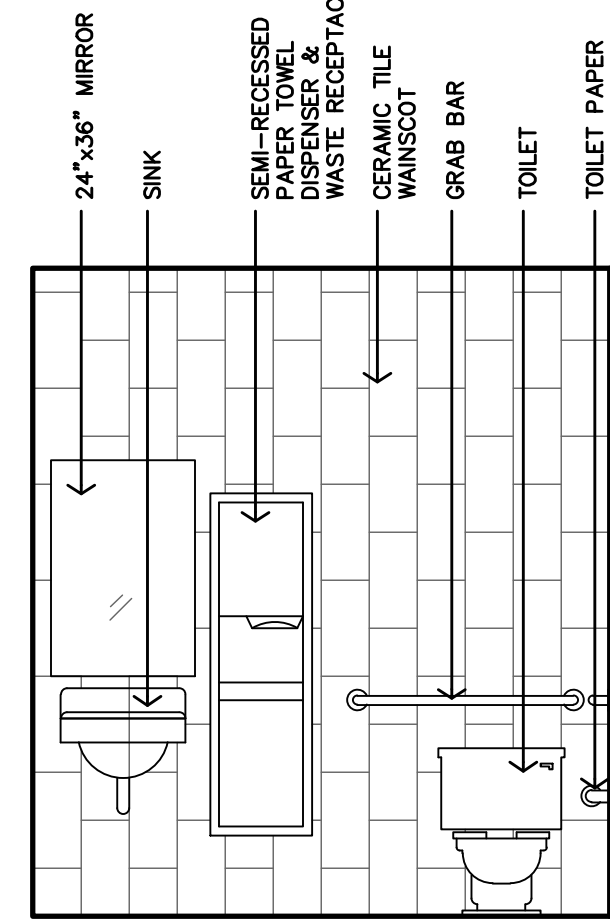
H TOILET #131 INTERIOR ELEVATION
3/8"=1'-0"



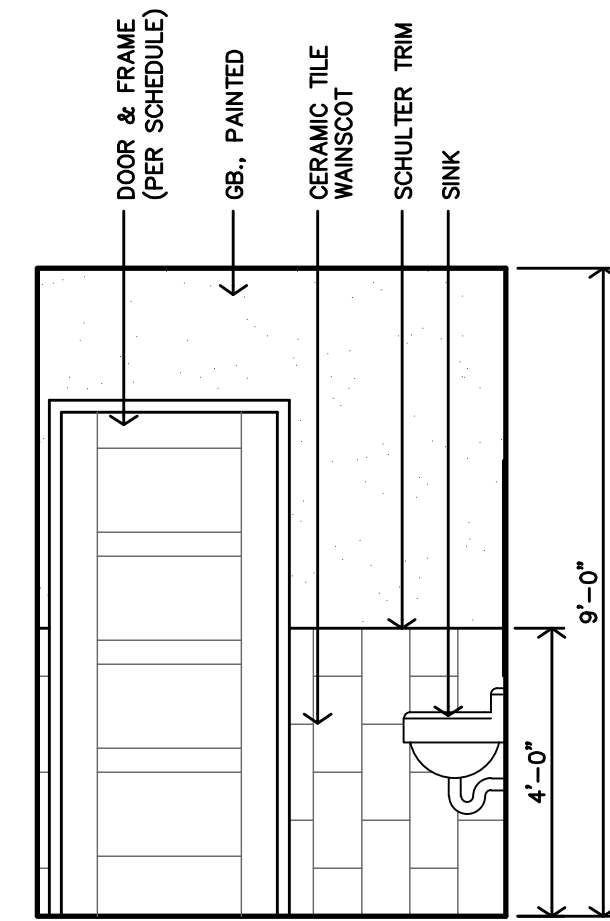
G TOILET #129 INTERIOR ELEVATION
3/8"=1'-0"



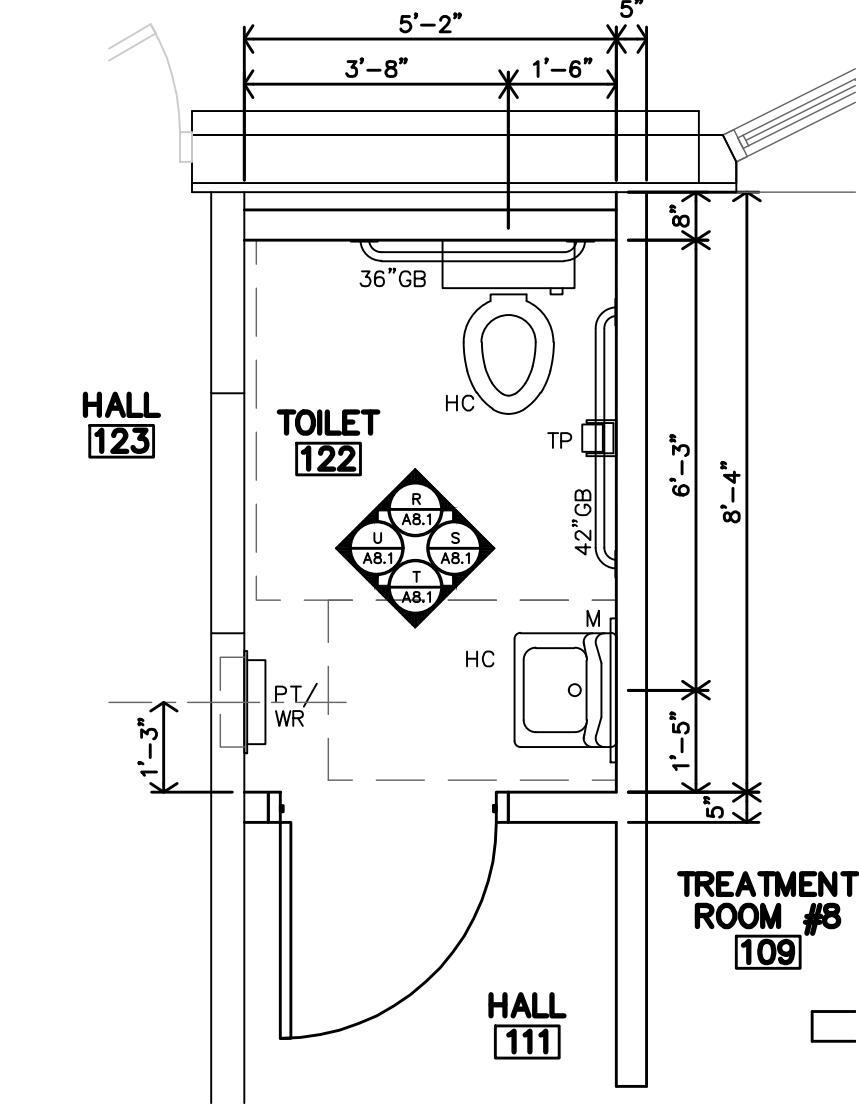
F TOILET #129 INTERIOR ELEVATION
3/8"=1'-0"



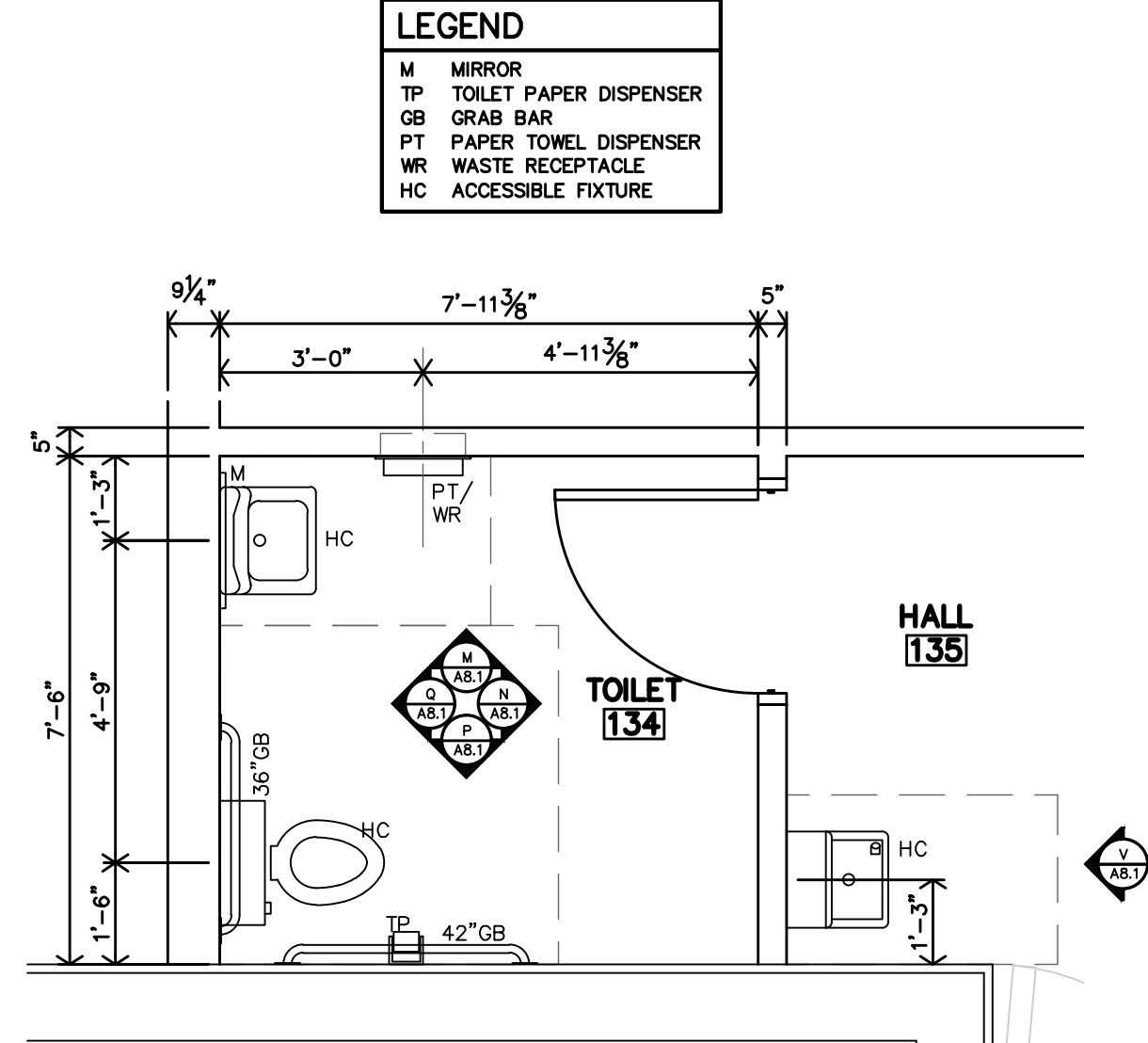
E TOILET #129 INTERIOR ELEVATION
3/8"=1'-0"



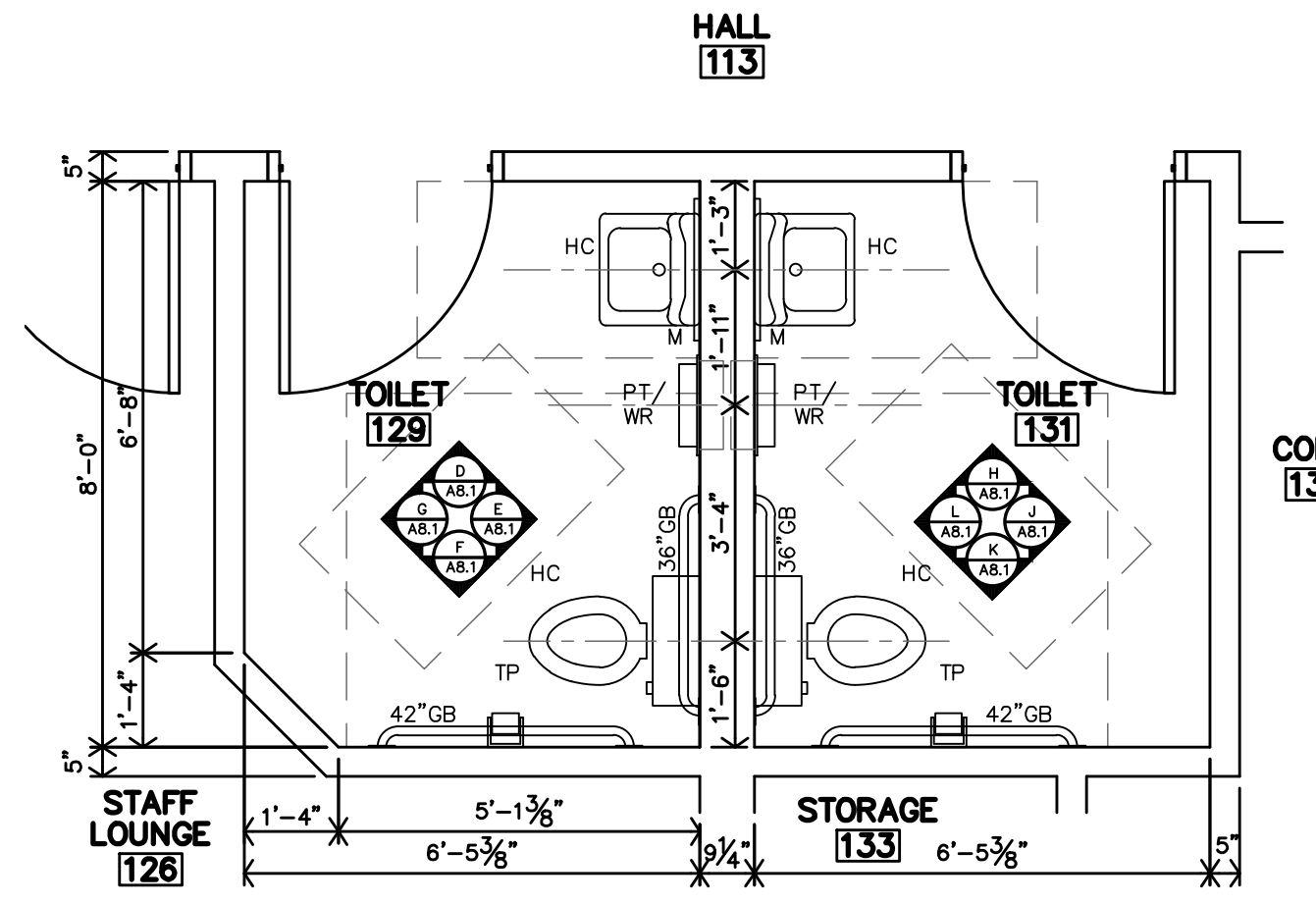
D TOILET #129 INTERIOR ELEVATION
3/8"=1'-0"



C TOILET #122 ENLARGED PLAN
3/8"=1'-0"

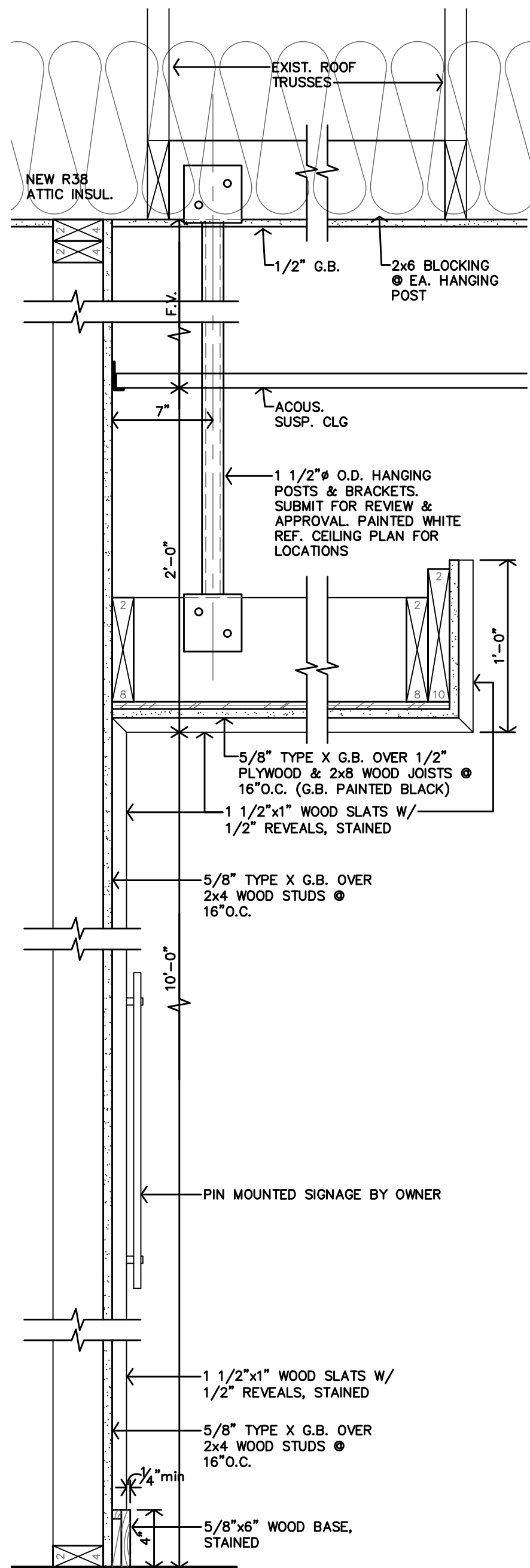


B TOILET #134 ENLARGED PLAN
3/8"=1'-0"

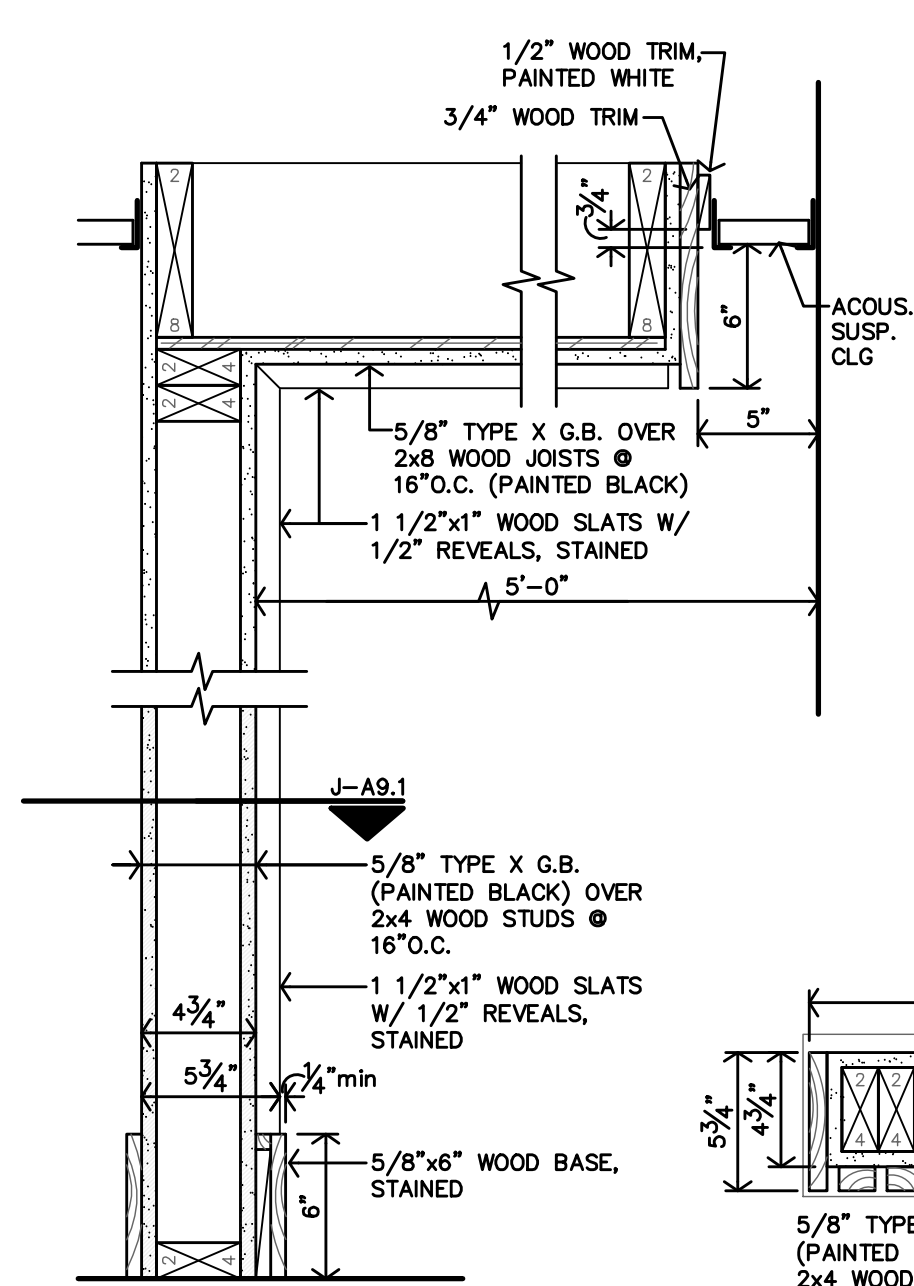


A TOILETS #129 & 131 ENLARGED PLAN
3/8"=1'-0"

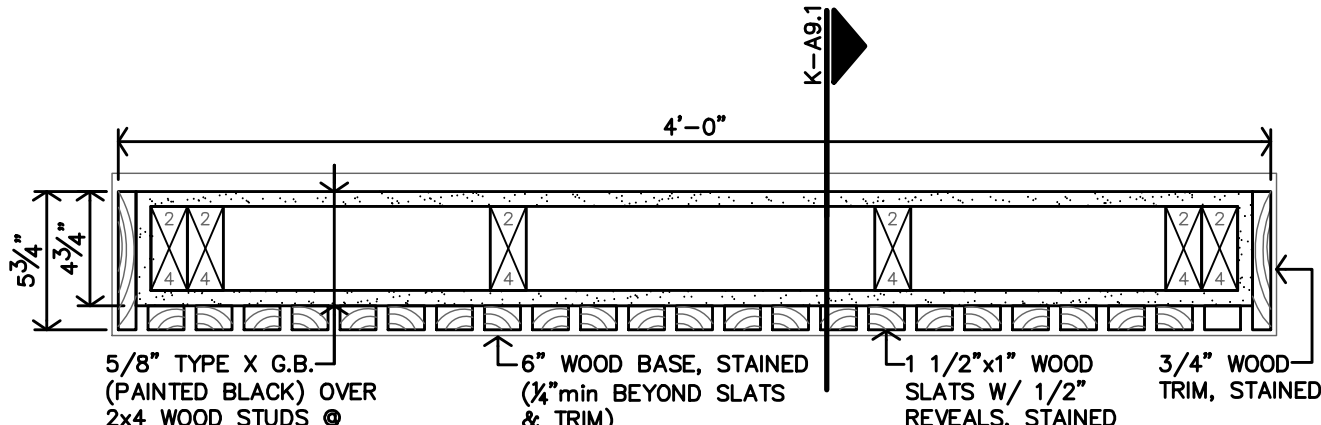
LEGEND
M MIRROR
TP TOILET PAPER DISPENSER
GB GRAB BAR
PT PAPER TOWEL DISPENSER
WR WASTE RECEPTACLE
HC ACCESSIBLE FIXTURE



L **ACCENT WALL SECTION**
1 1/2"=1'-0"

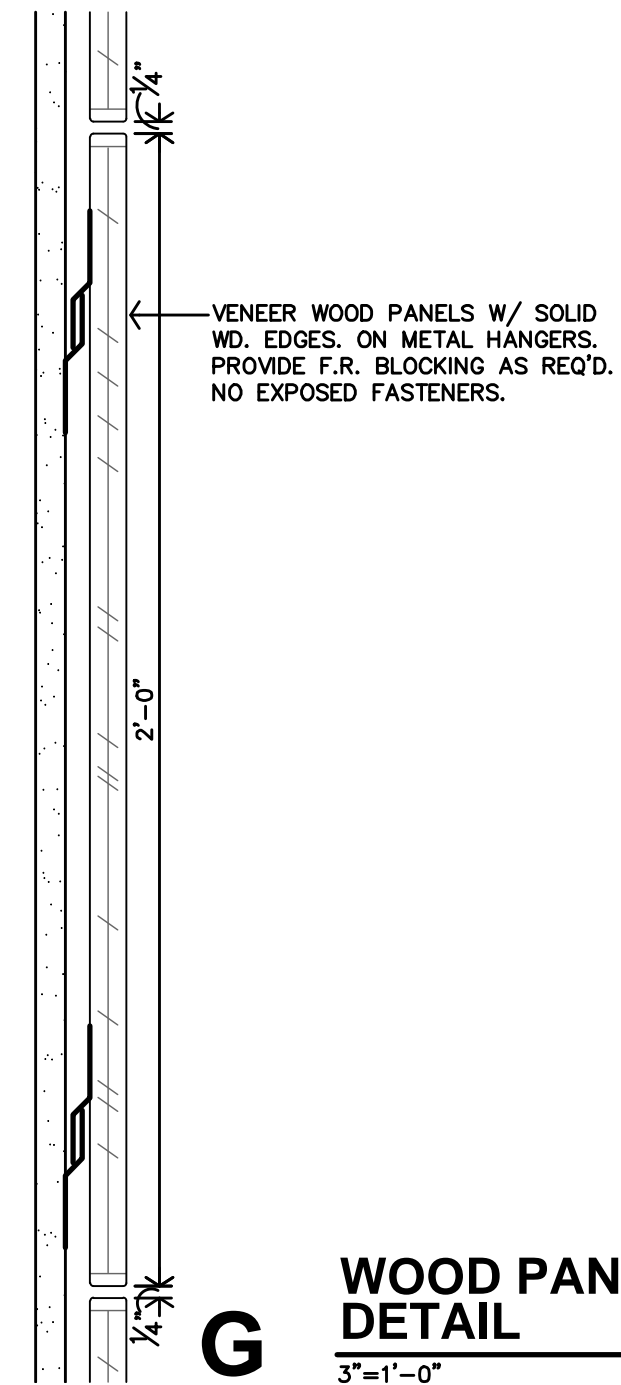


K **ACCENT WALL SECTION**
1 1/2"=1'-0"



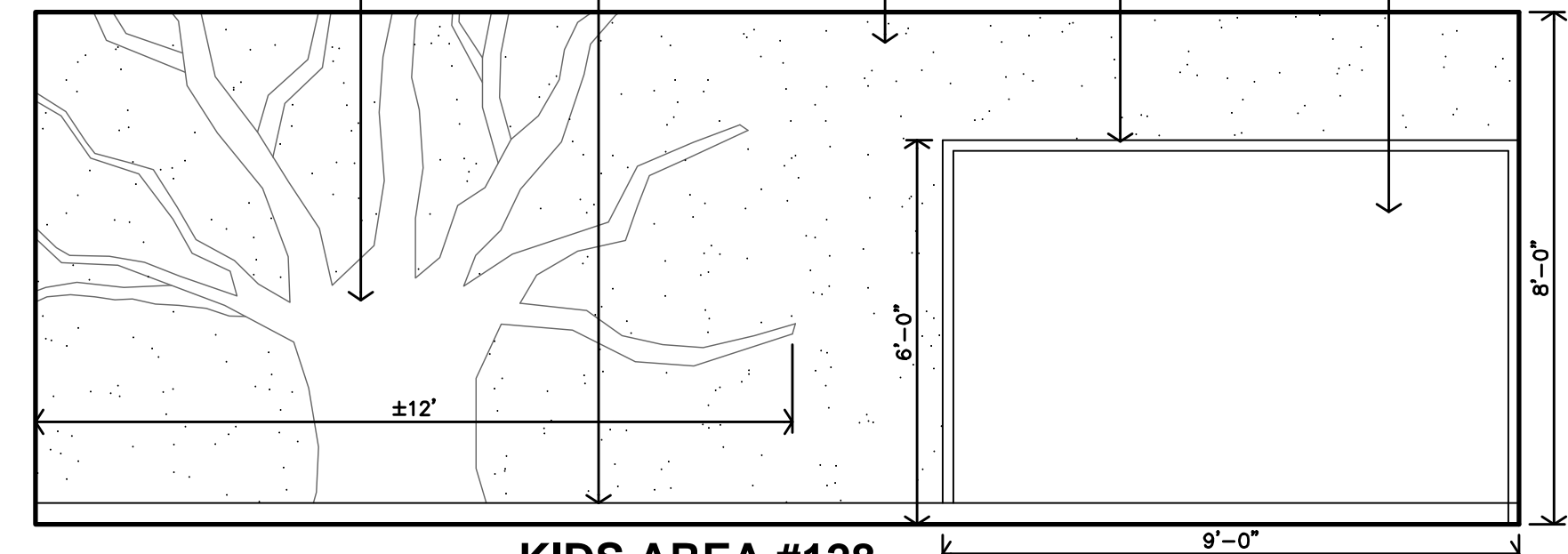
J **ACCENT WALL PLAN**
1 1/2"=1'-0"

H **G.B. REVEAL DETAIL**
3"=1'-0"

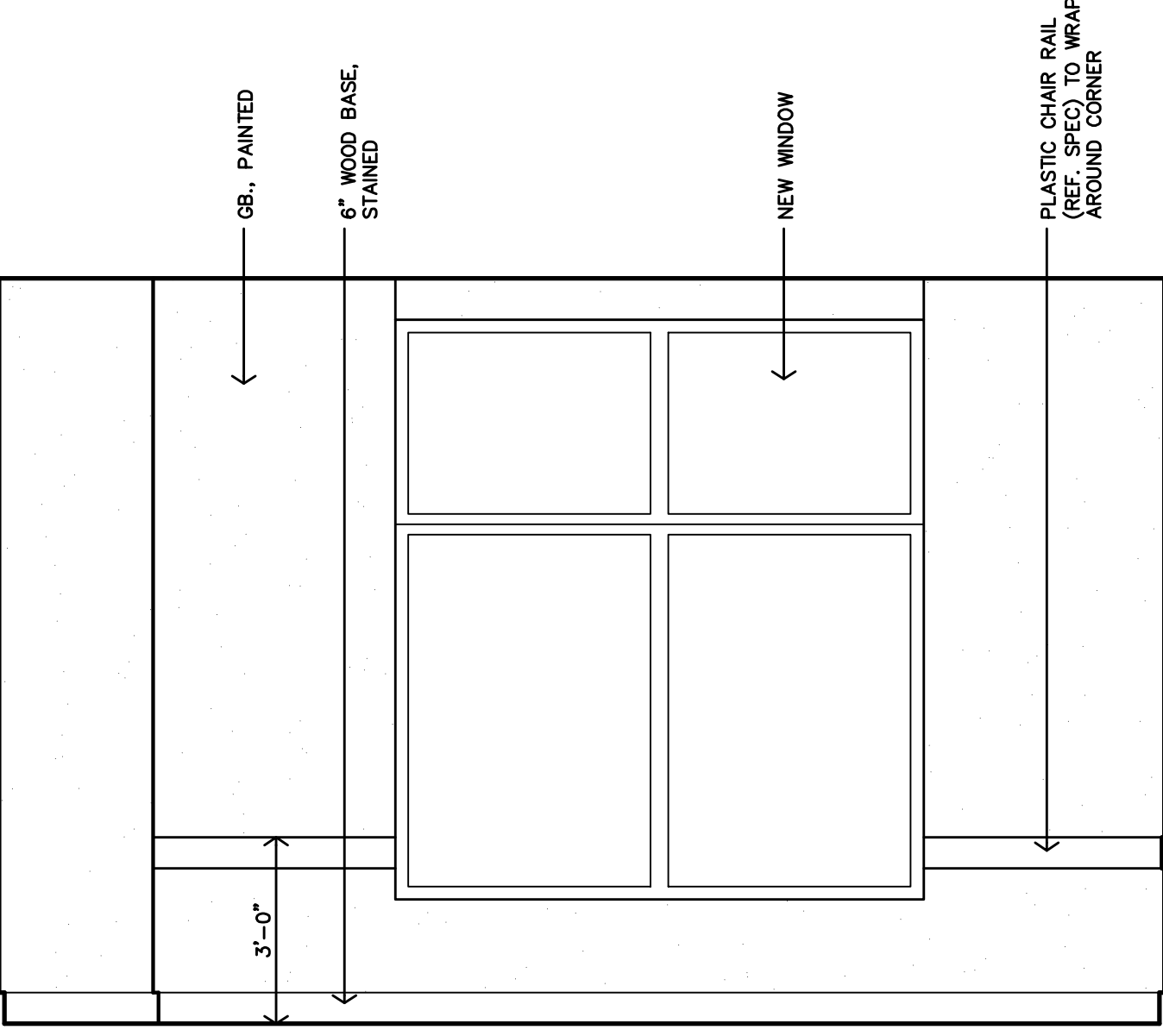


G **WOOD PANEL DETAIL**
3"=1'-0"

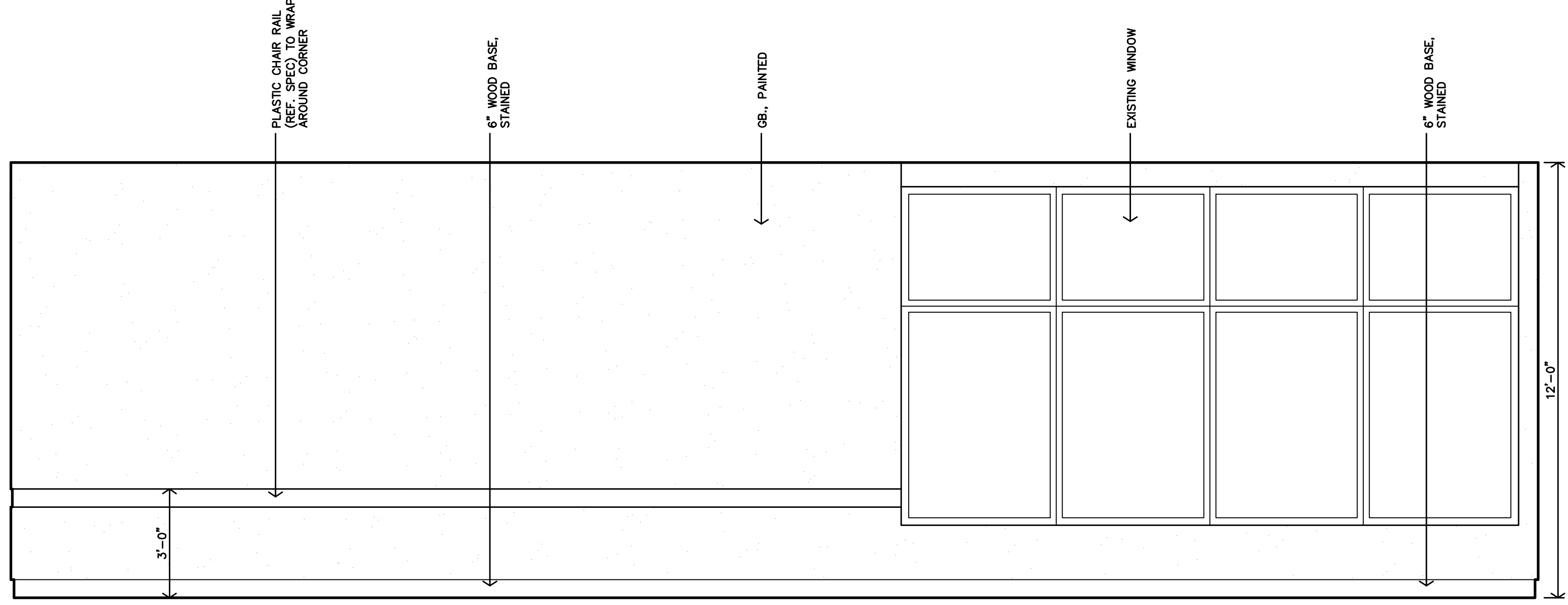
METAL WALL ACCENT TO BE IN MAX. 4' SECTIONS. FILE DRAWING TO BE FORWARDED TO BE FABRICATOR BY ARCHITECT



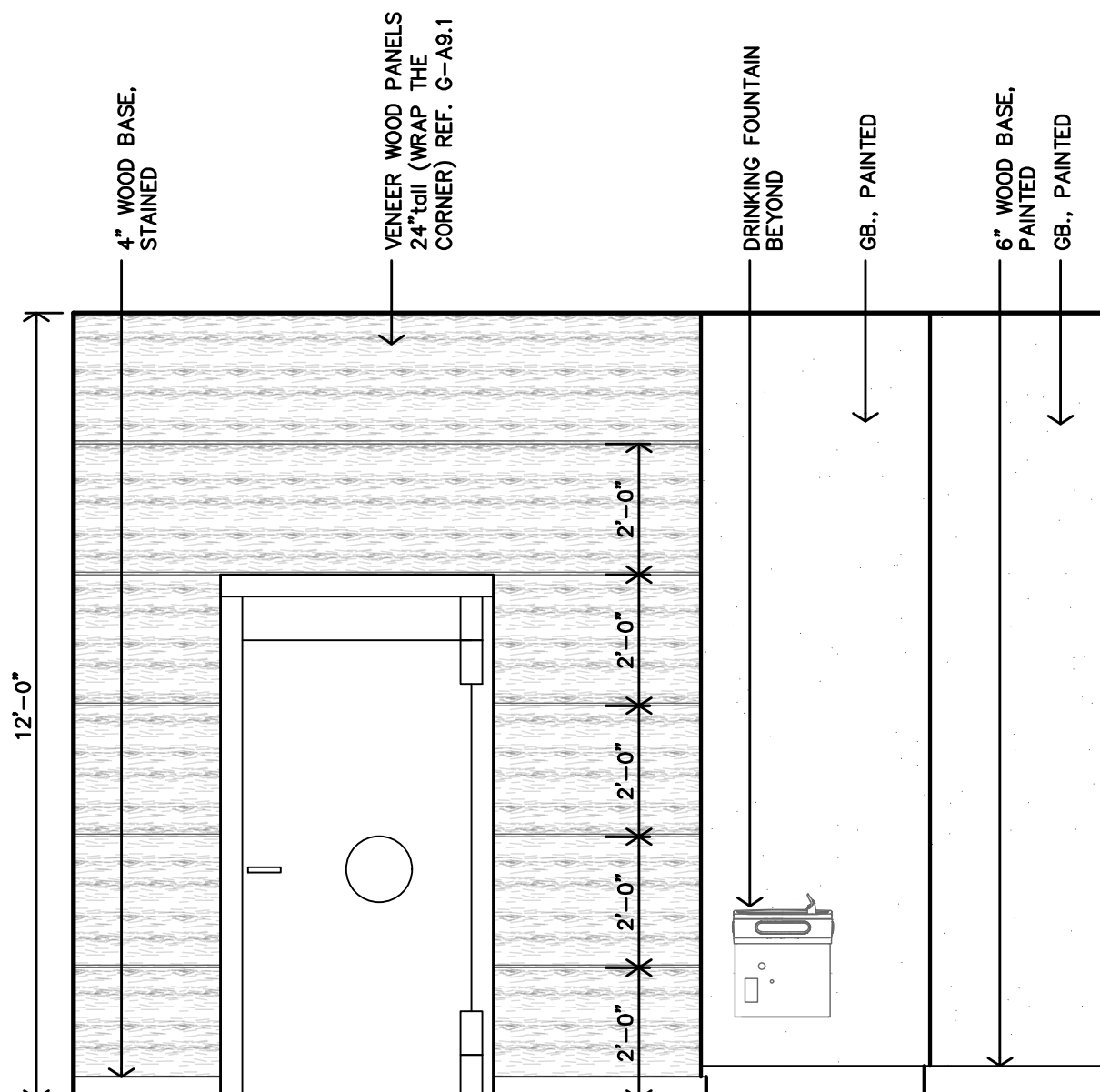
F **KIDS AREA #128 INTERIOR ELEVATION**
3/8"=1'-0"



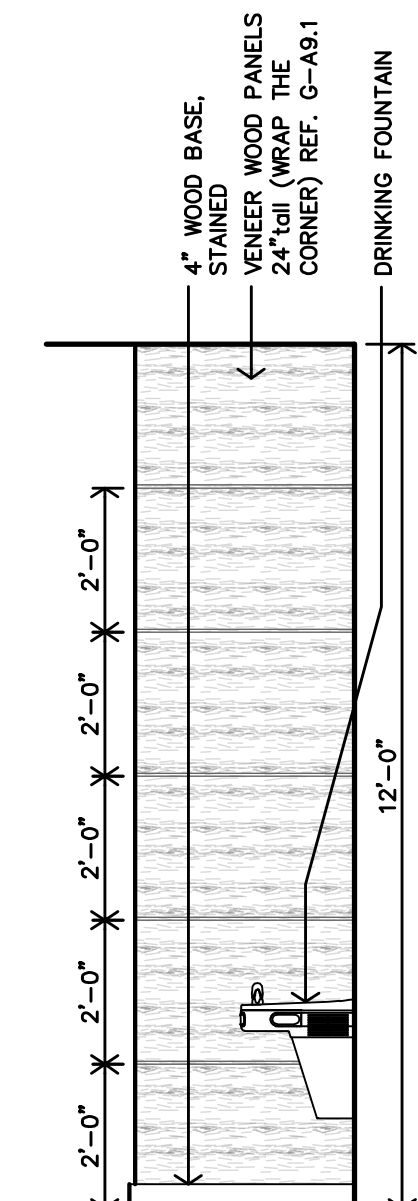
E **LOBBY/WAITING #102 INTERIOR ELEVATION**
3/8"=1'-0"



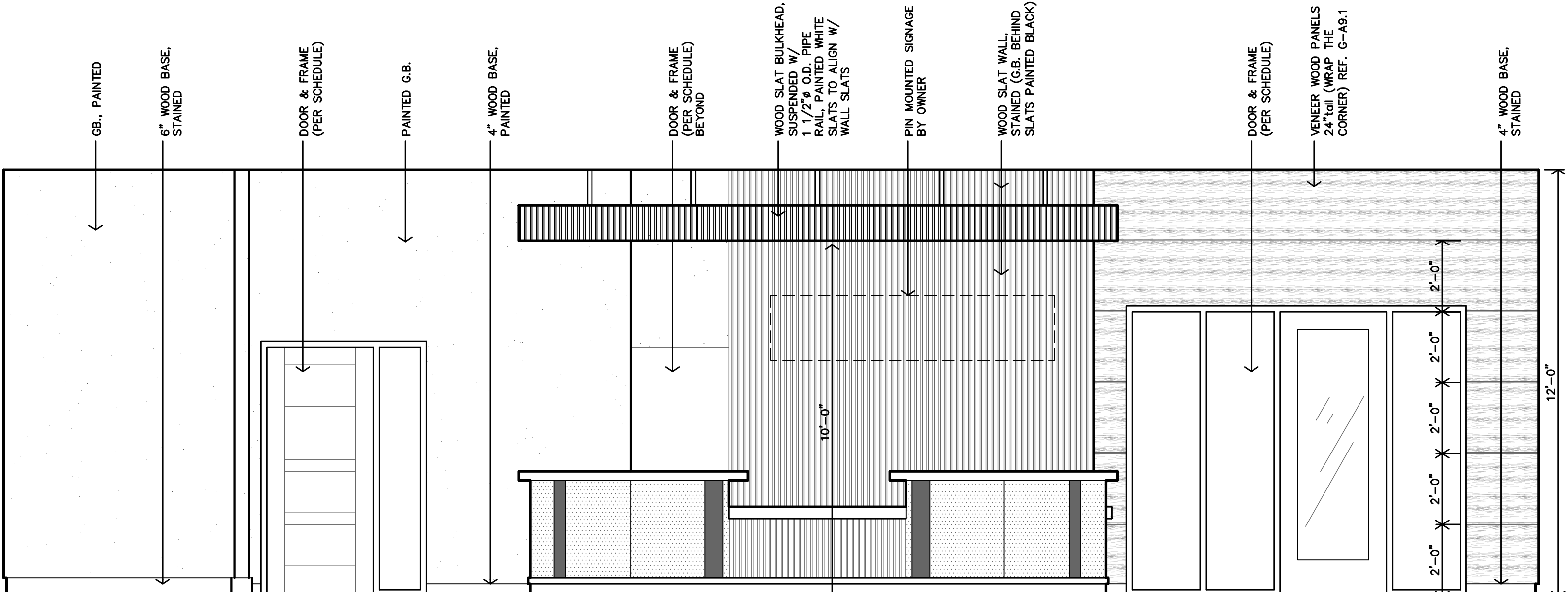
D **LOBBY/WAITING #102 INTERIOR ELEVATION**
3/8"=1'-0"



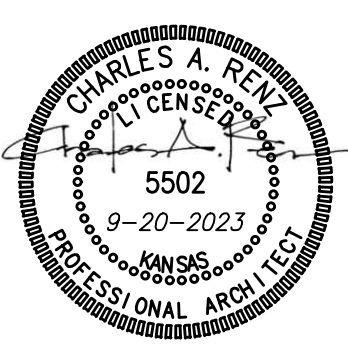
C **LOBBY/WAITING #102 INTERIOR ELEVATION**
3/8"=1'-0"



B **LOBBY/WAITING #102 INTERIOR ELEVATION**
3/8"=1'-0"



A **LOBBY/WAITING #102 INTERIOR ELEVATION**
3/8"=1'-0"



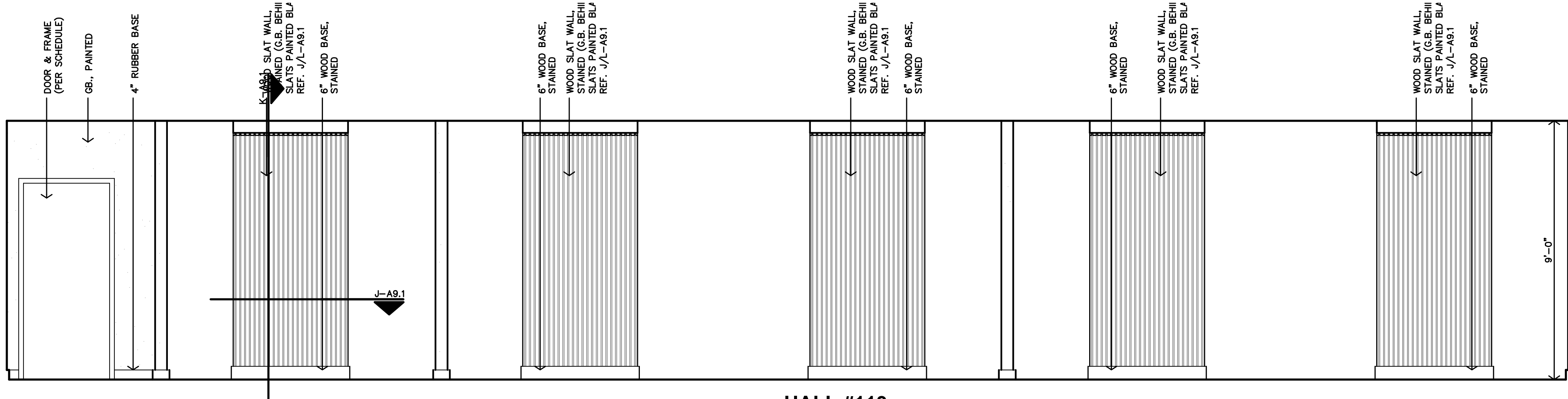
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DATE:	9-20-2023
JOB:	22-3211
SHEET NO.:	

A9.1

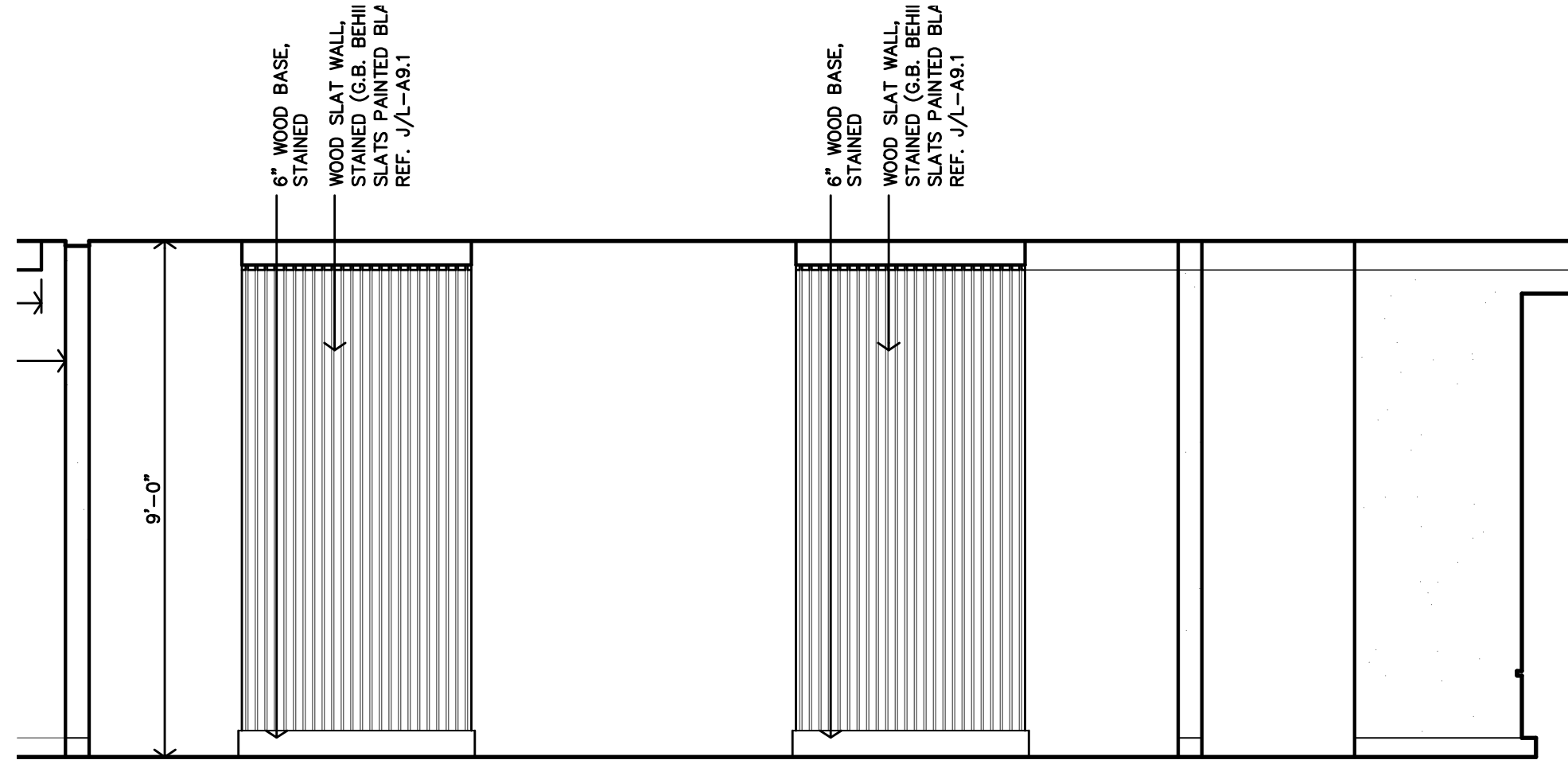
ROSSVILLE FAMILY DENTAL
443 MAIN ST
ROSSVILLE, KANSAS

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1881 Main Street, Suite 301
Kansas City, MO 64108
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jgr@jgrarchitects.com

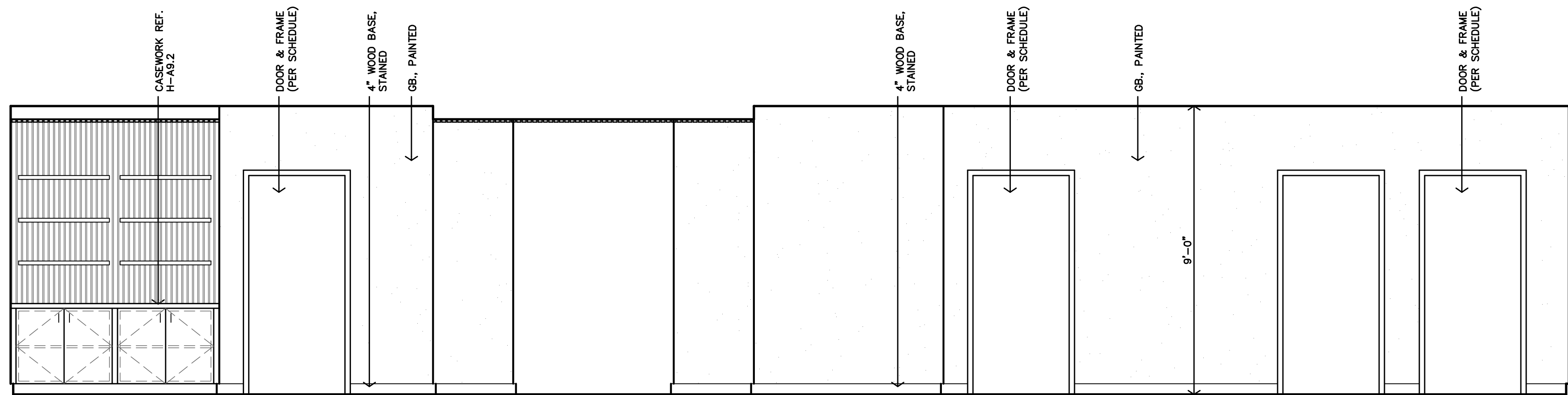
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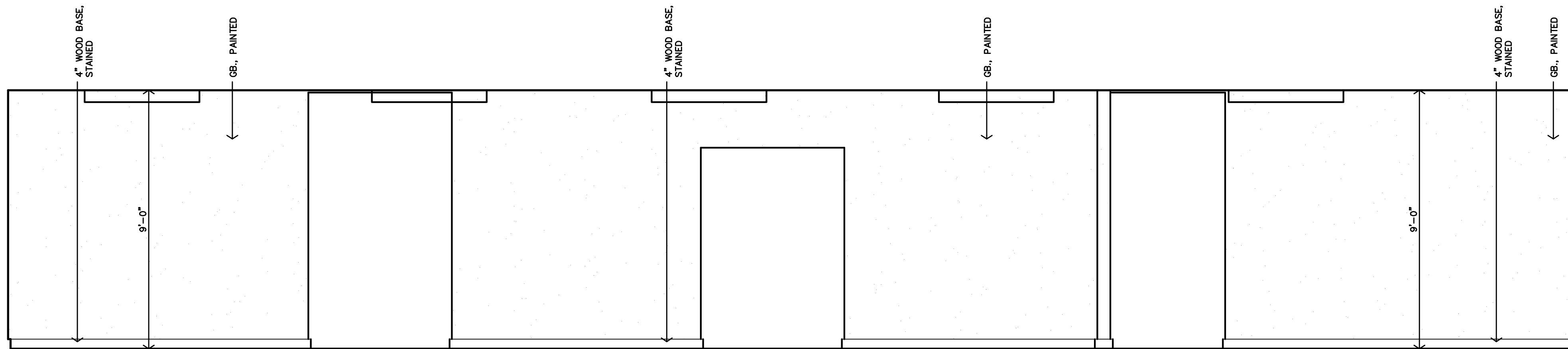
H HALL #113
INTERIOR ELEVATION
3/8"=1'-0"



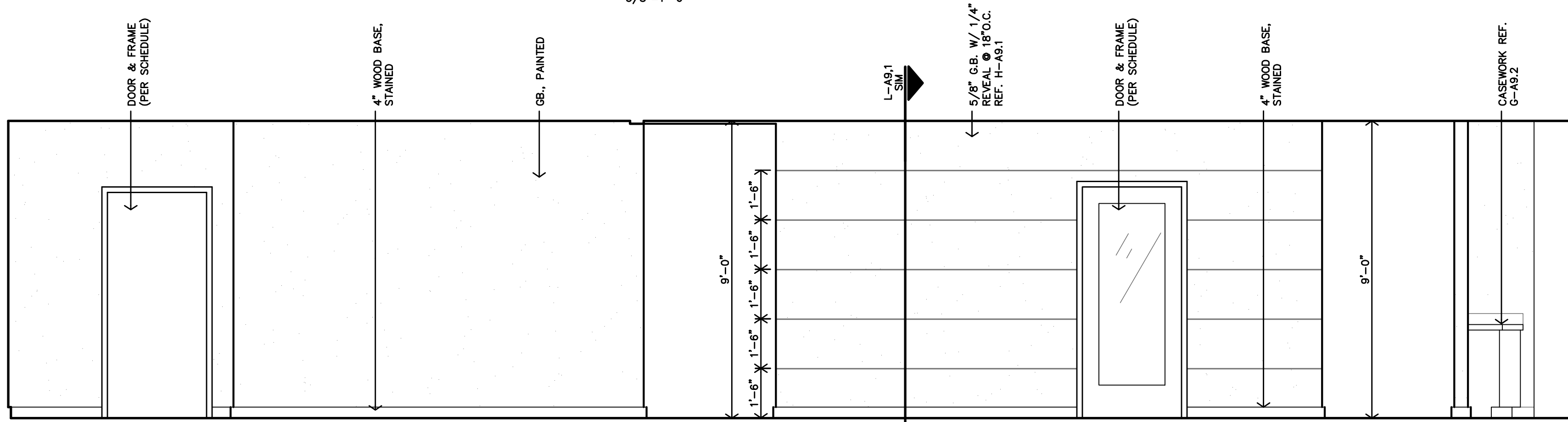
G HALL #112
INTERIOR ELEVATION
3/8"=1'-0"



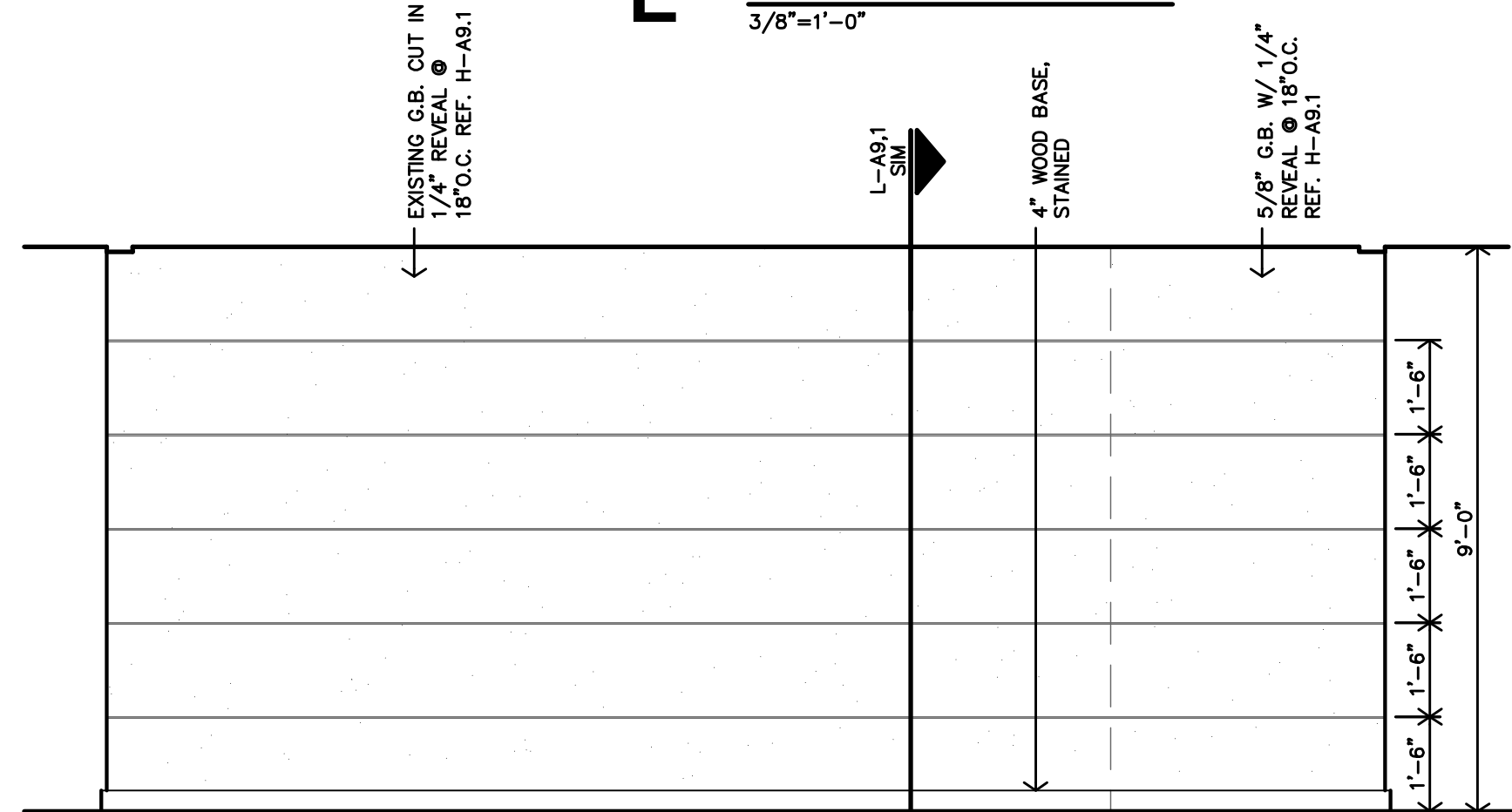
F HALL #113
INTERIOR ELEVATION
3/8"=1'-0"



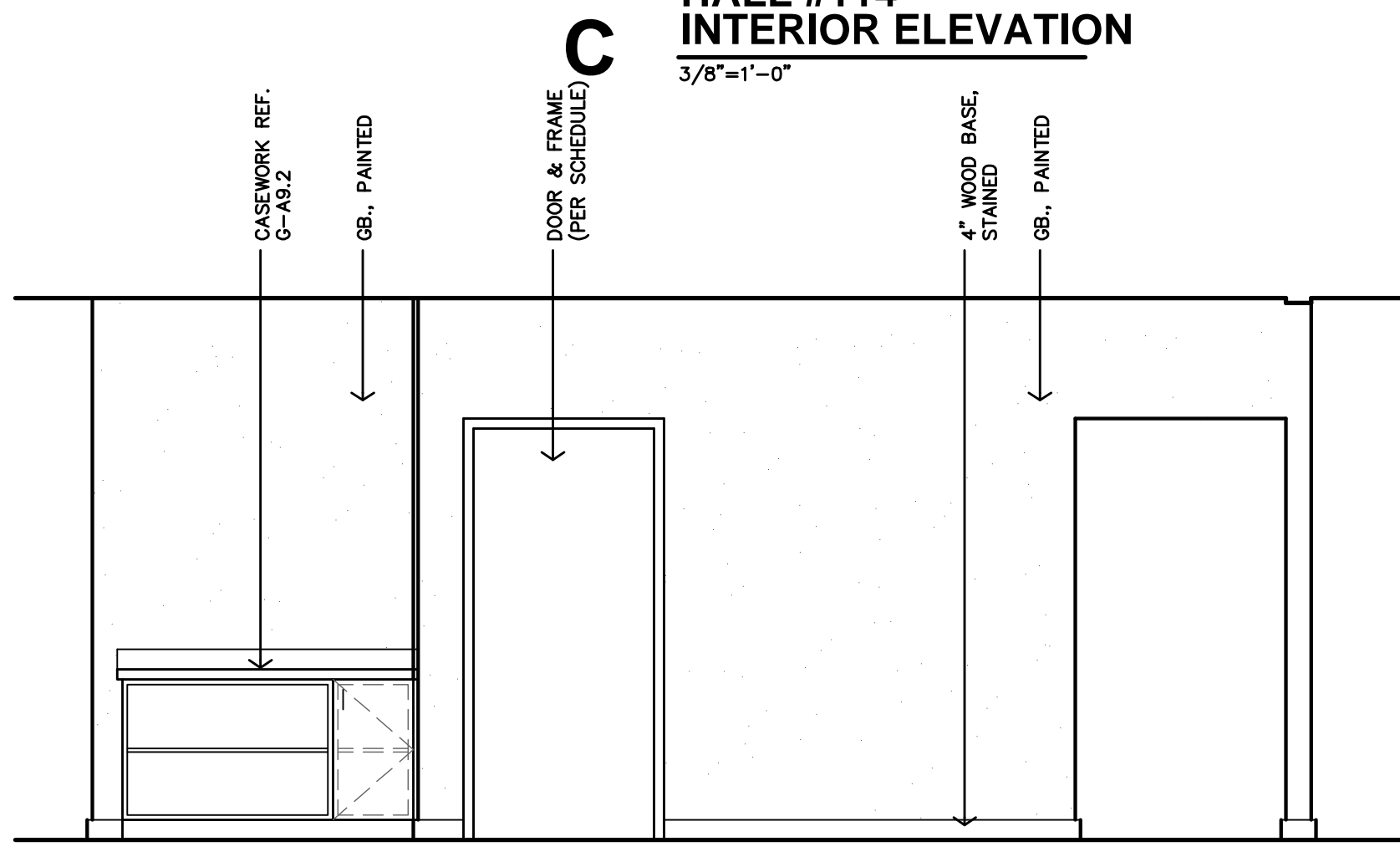
D HALL #111
INTERIOR ELEVATION
3/8"=1'-0"



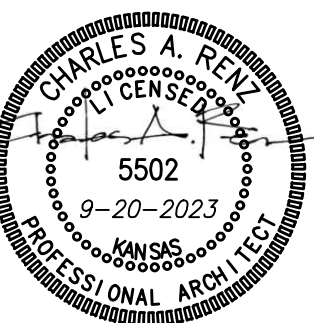
B HALL #113
INTERIOR ELEVATION
3/8"=1'-0"

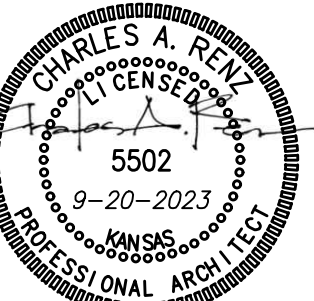
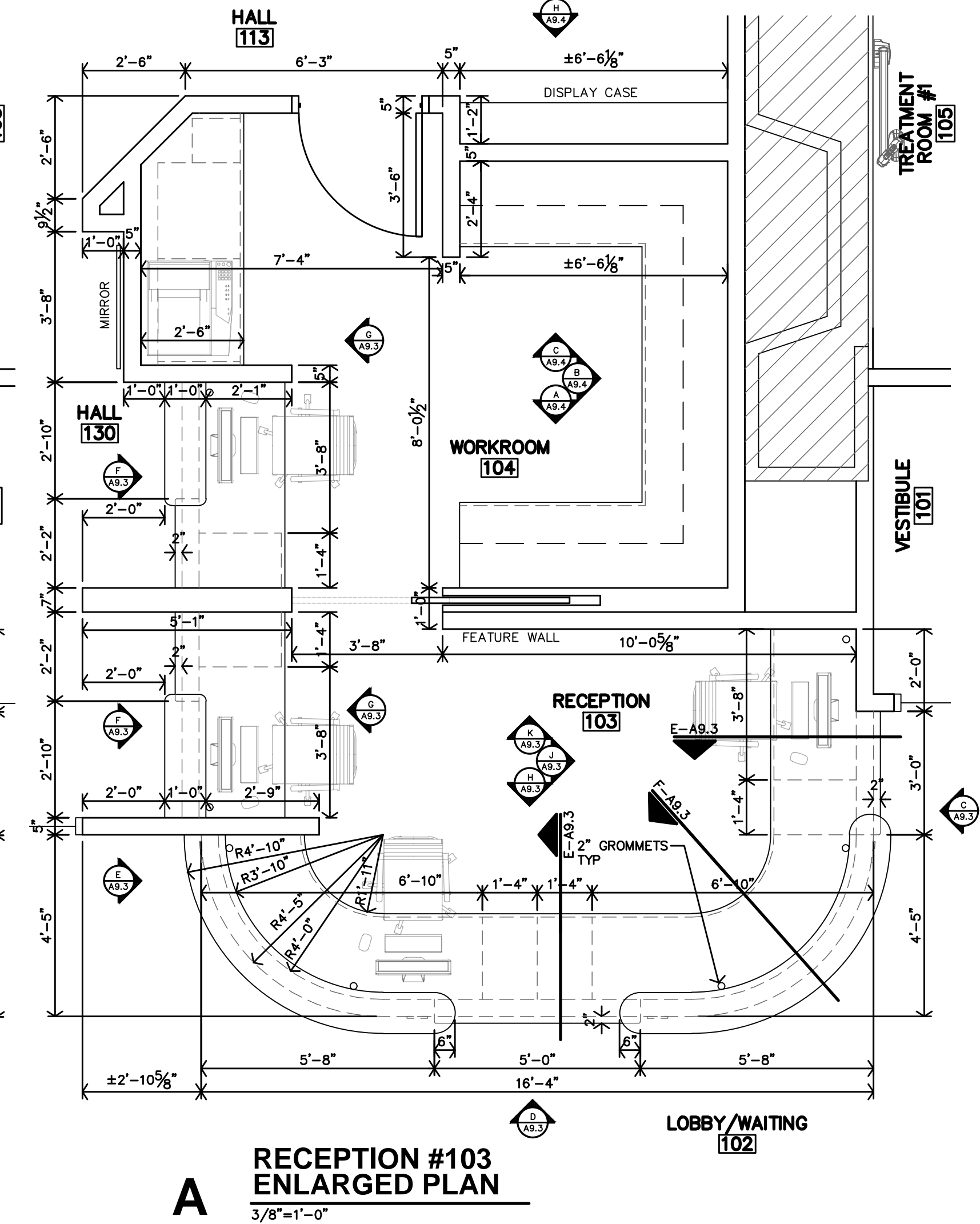
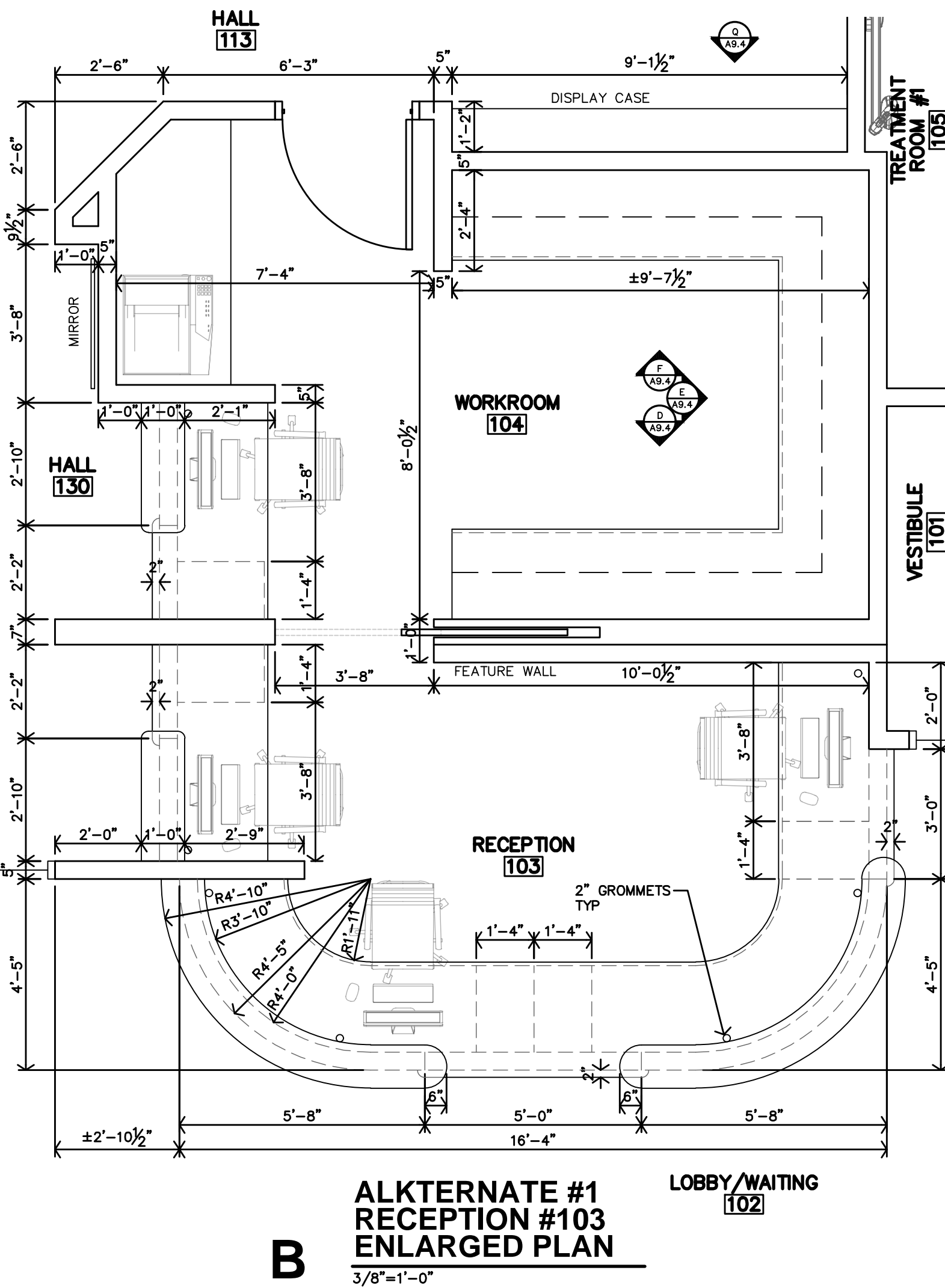
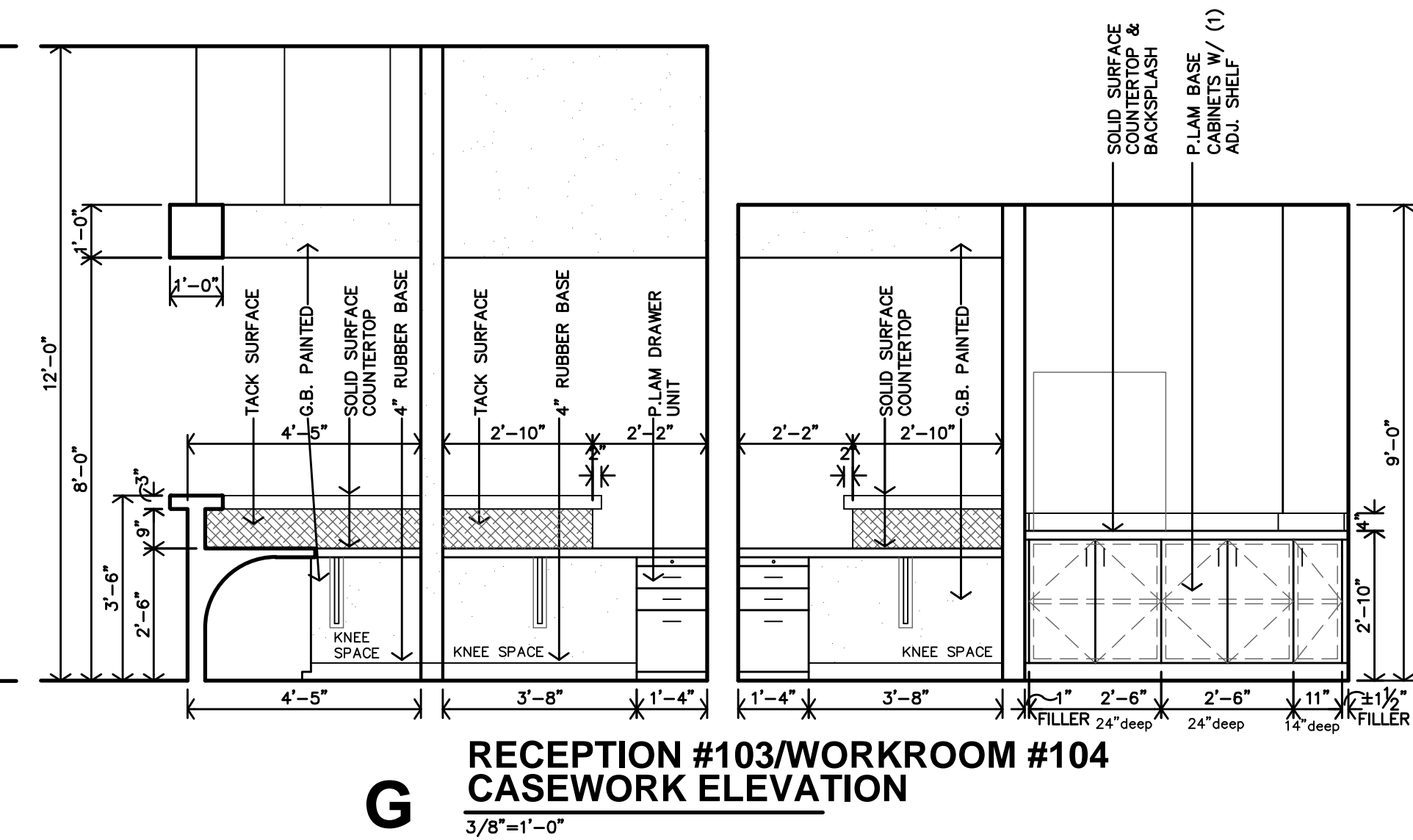
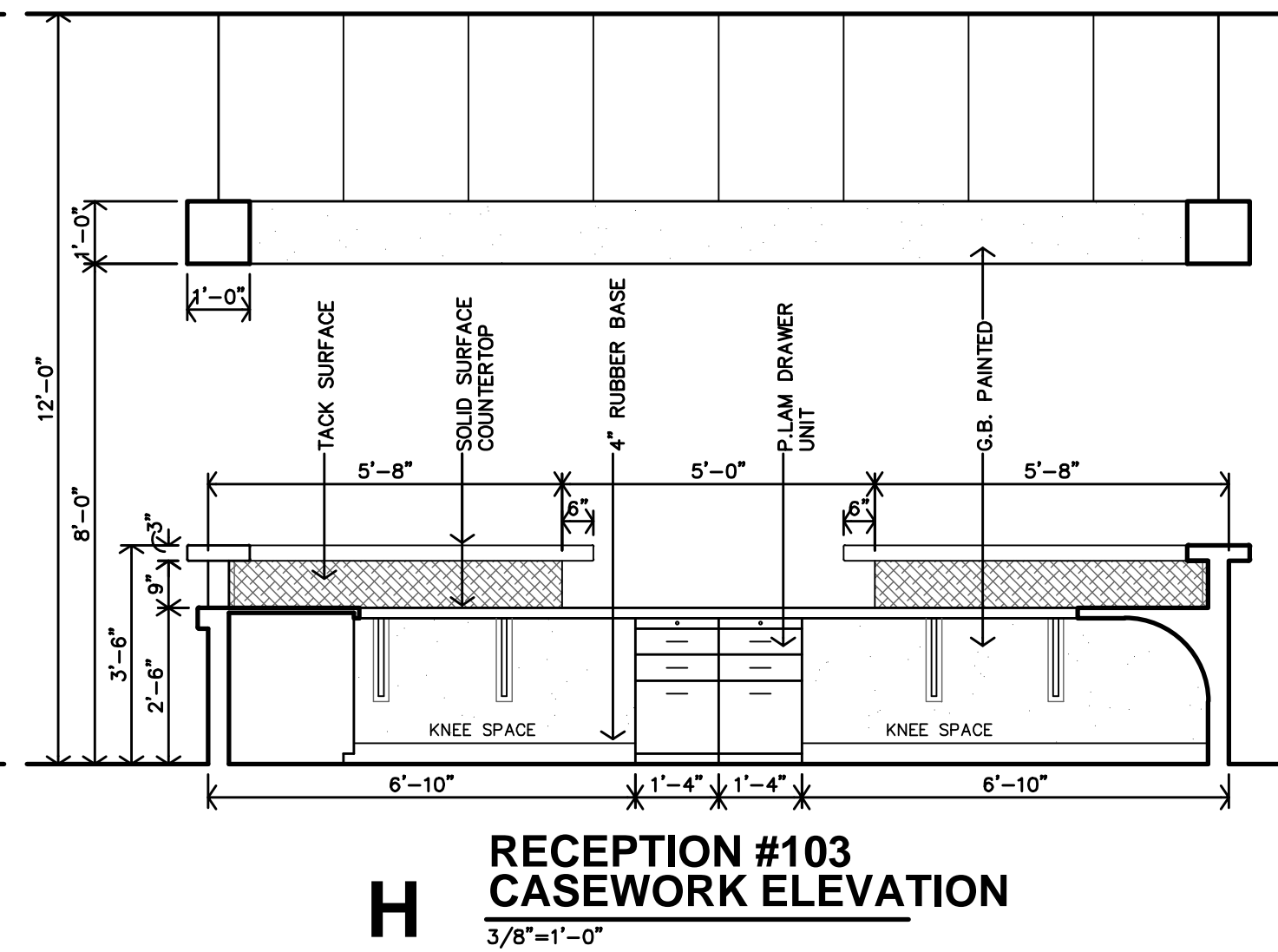
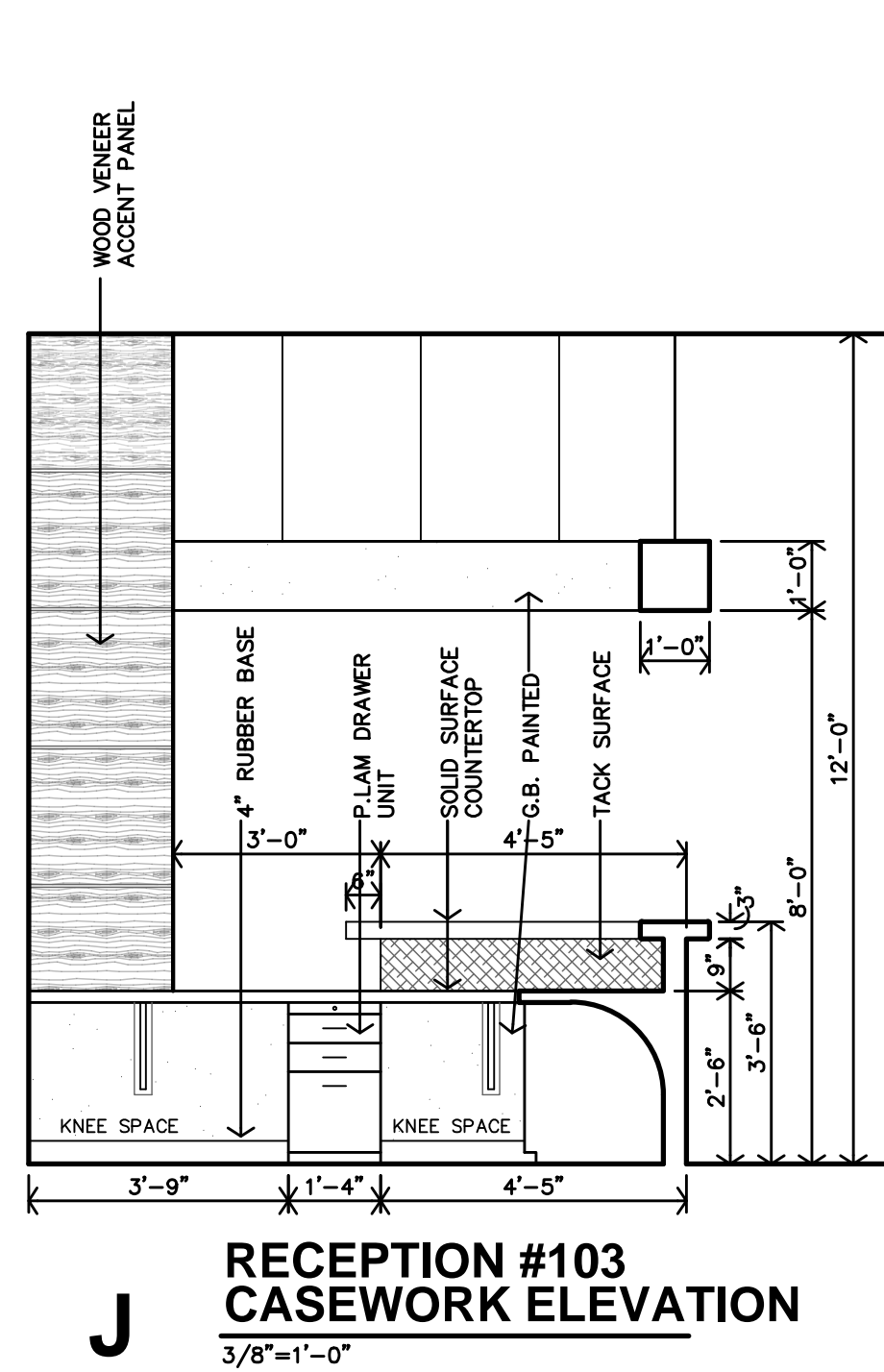
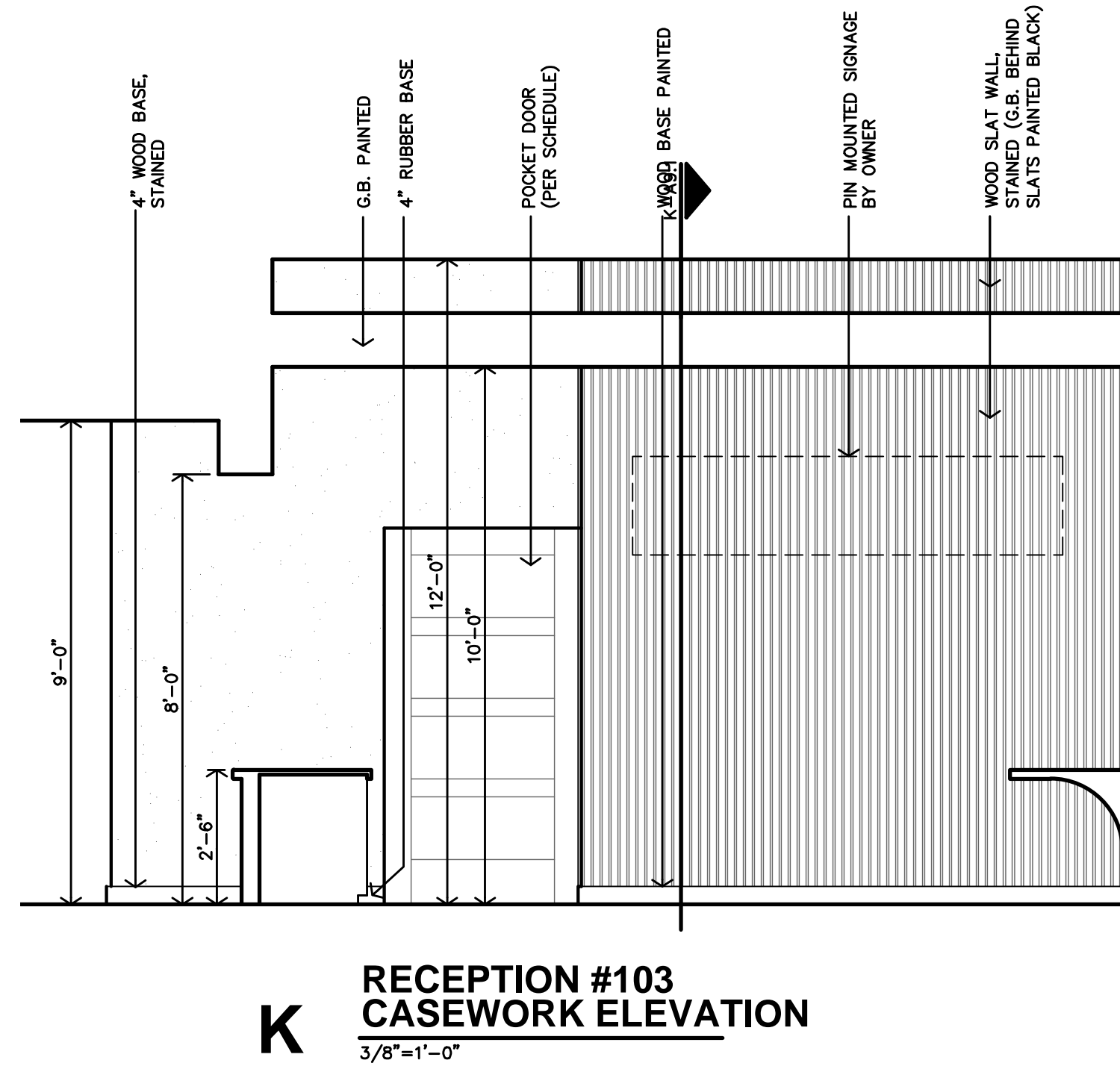
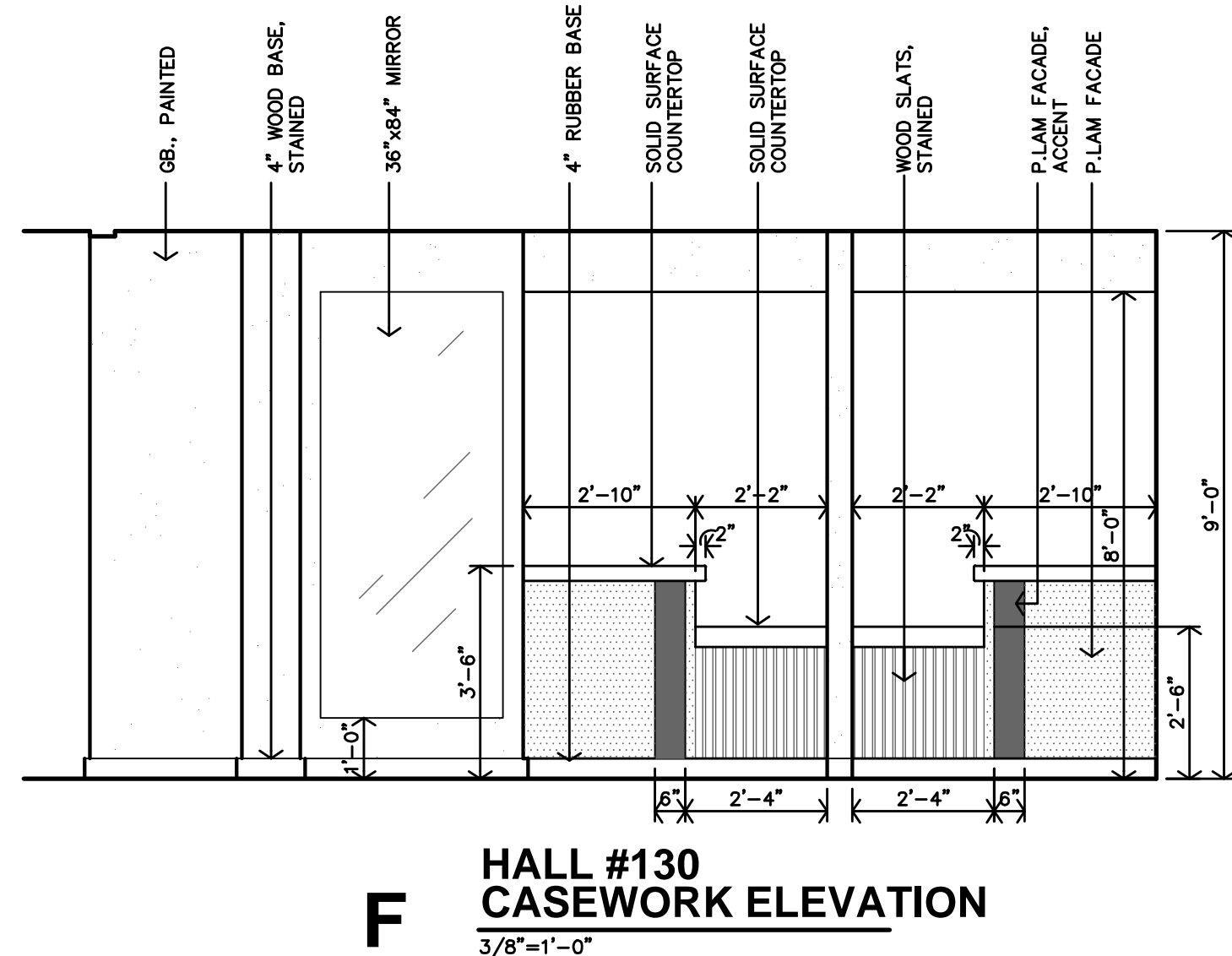
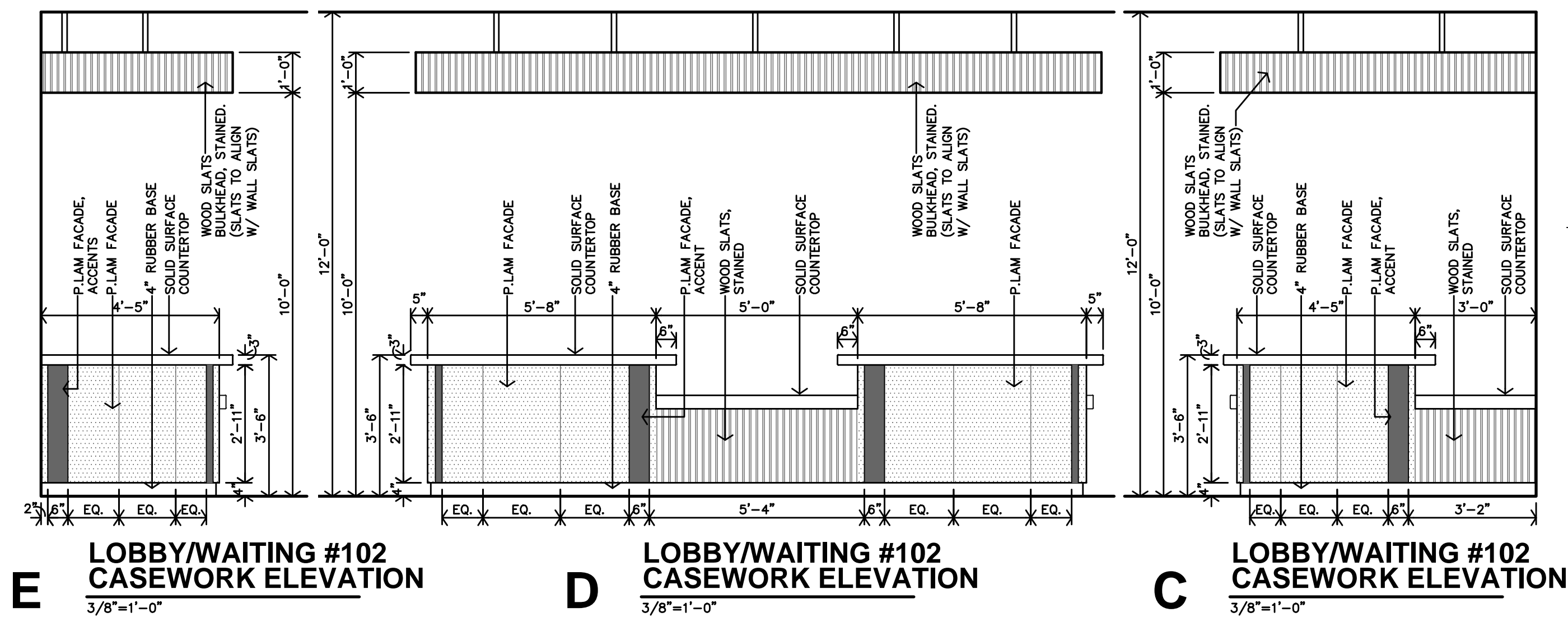


E HALL #114
INTERIOR ELEVATION
3/8"=1'-0"



A HALL #112
INTERIOR ELEVATION
3/8"=1'-0"



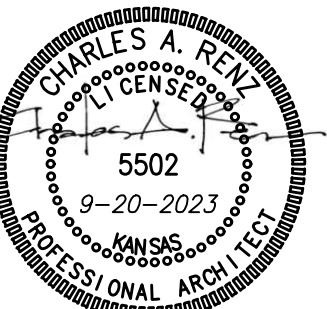
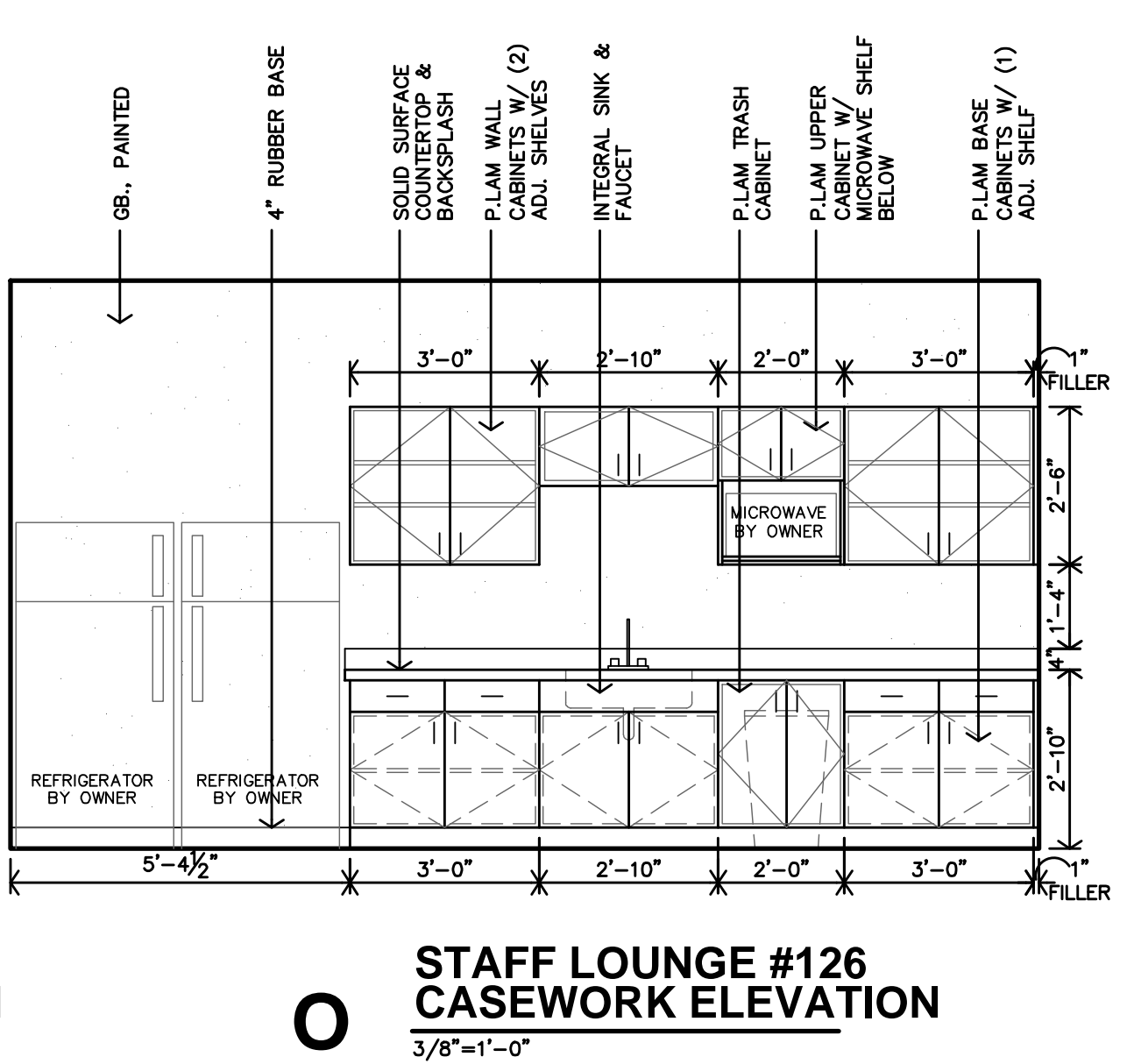
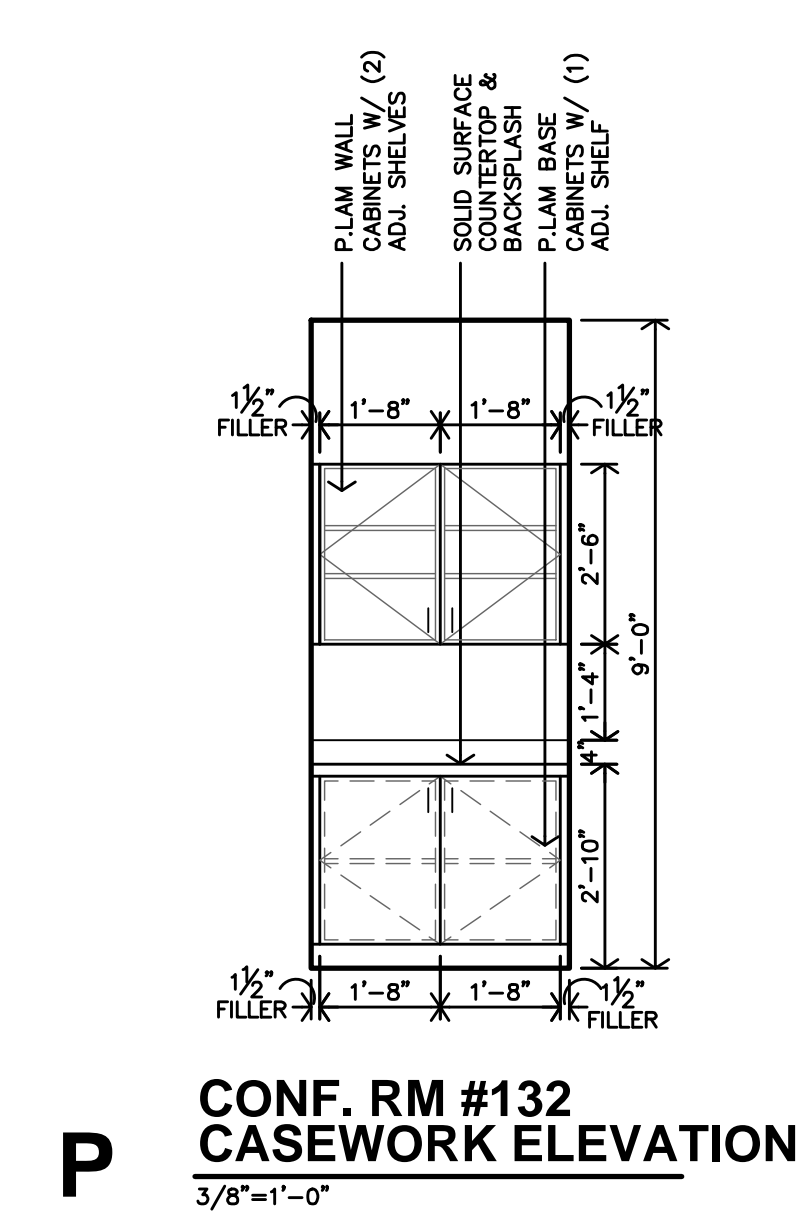
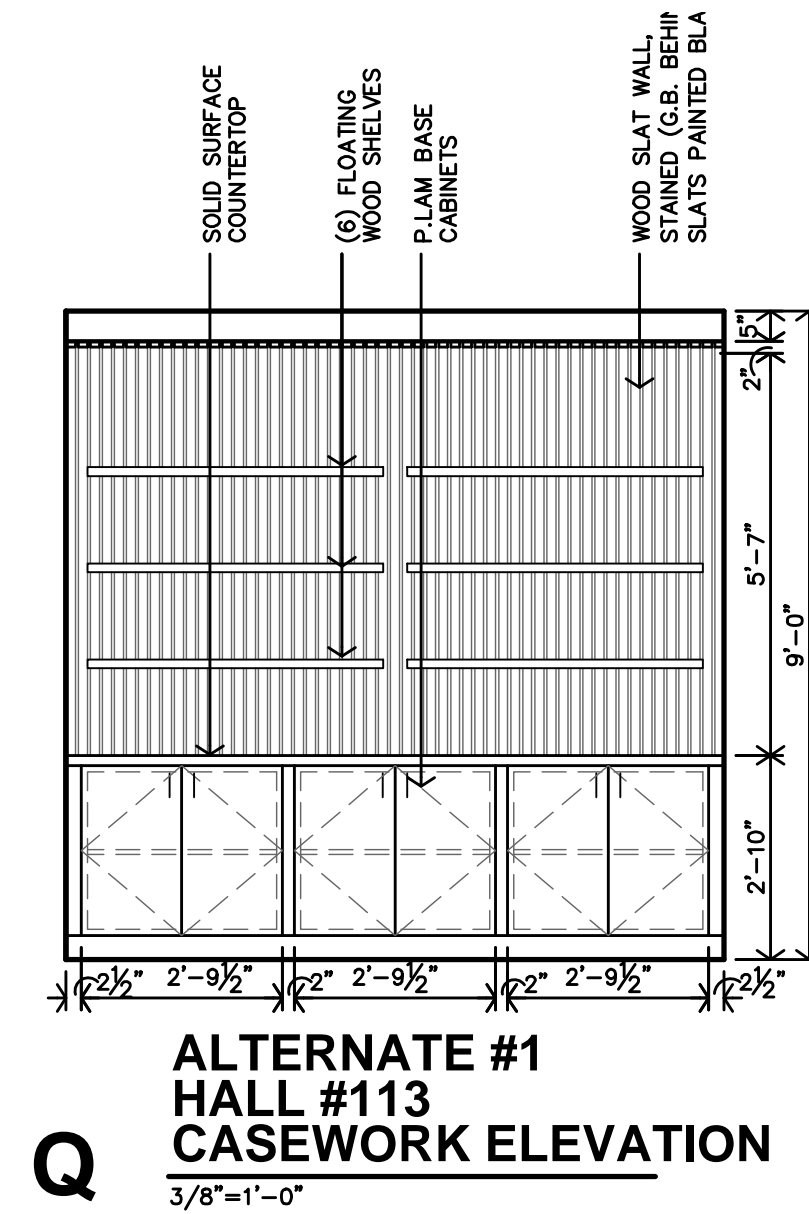
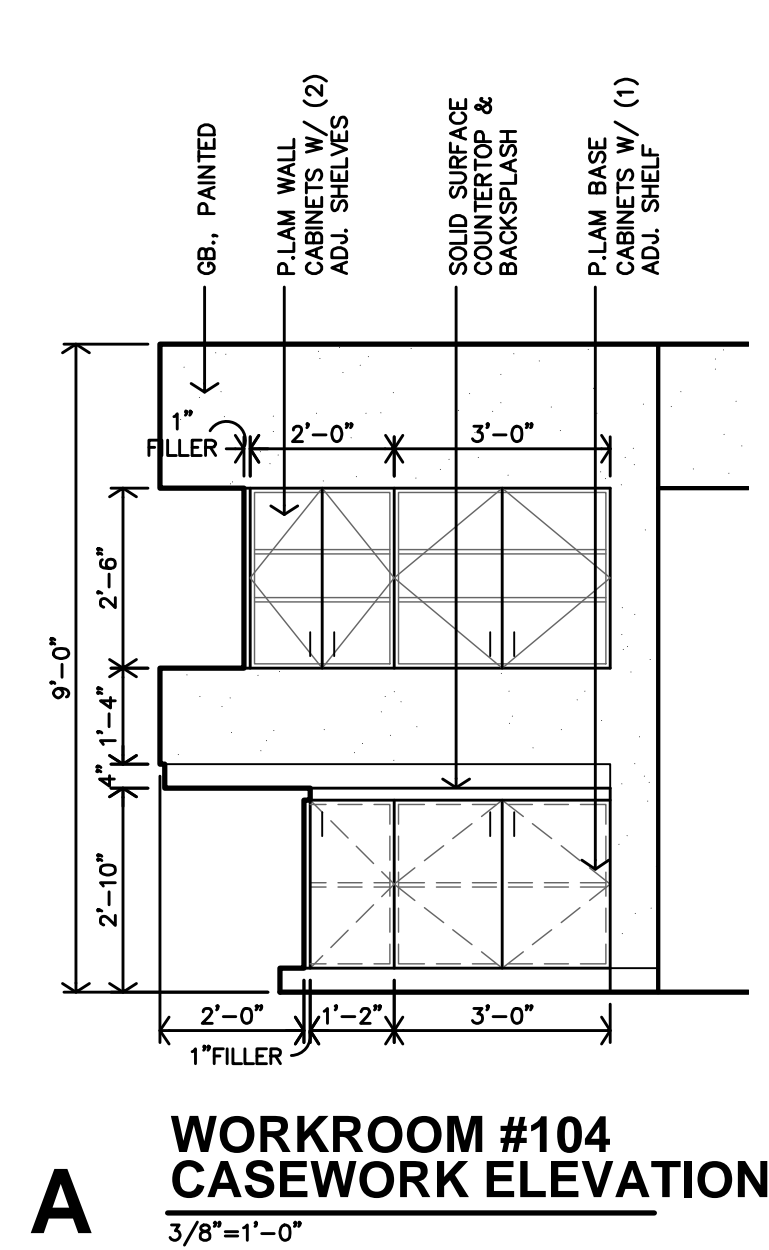
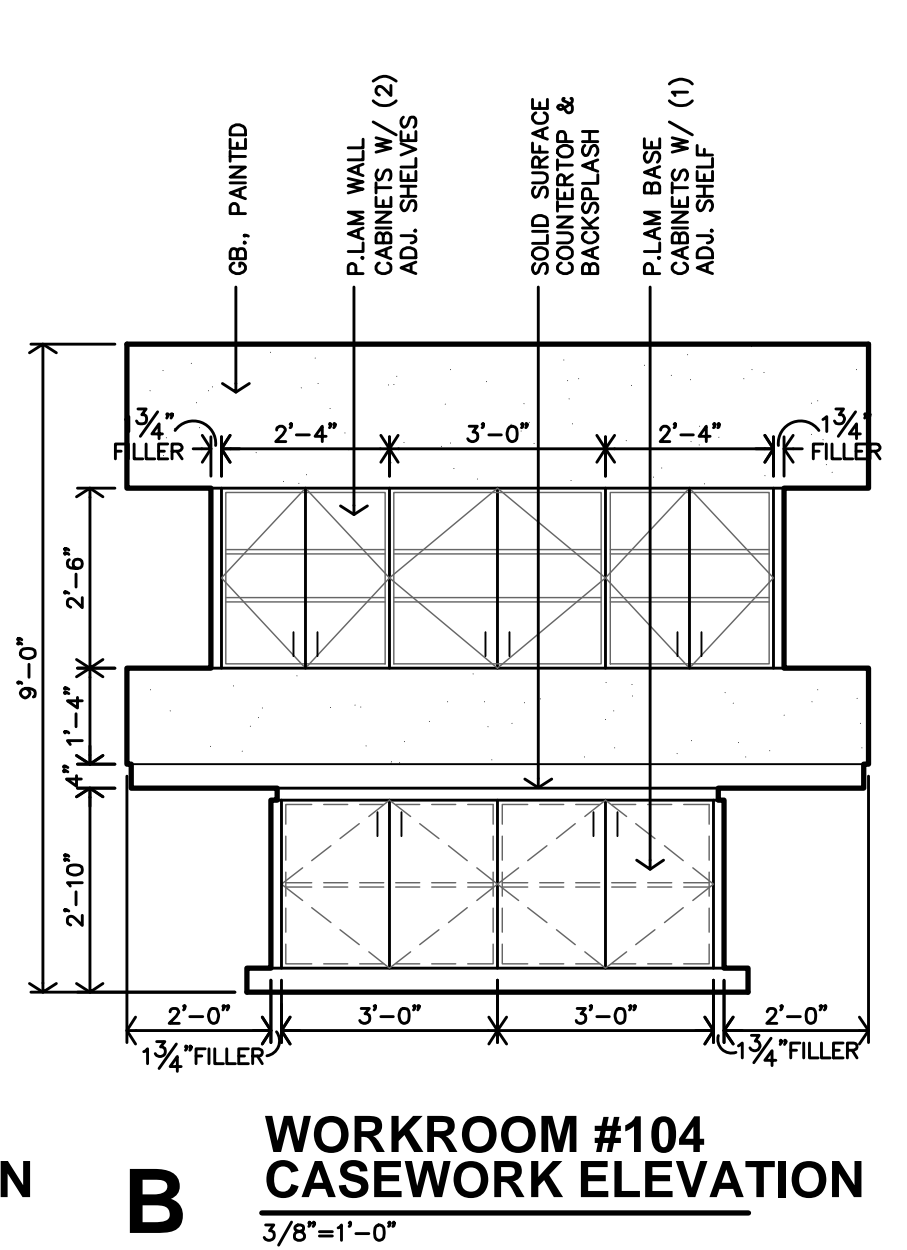
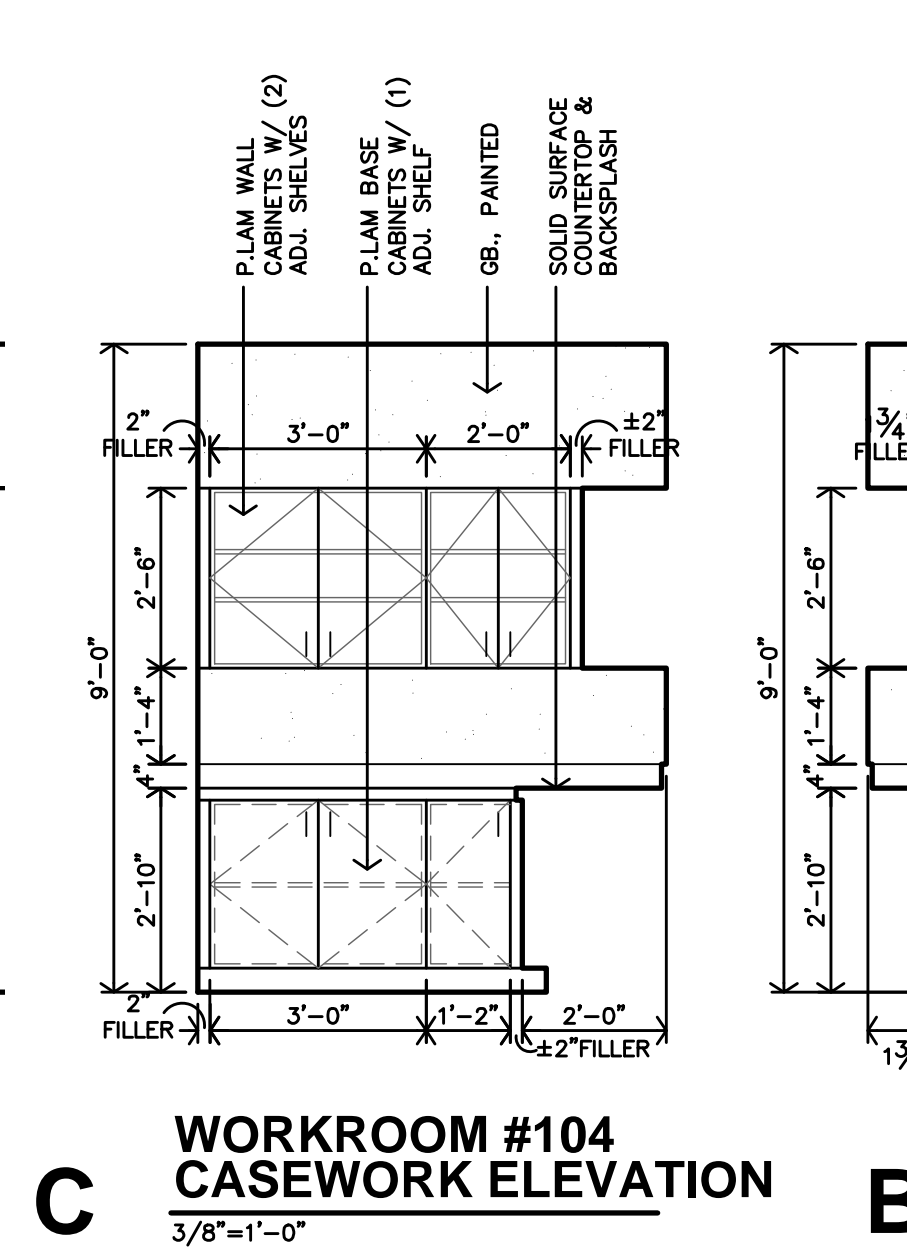
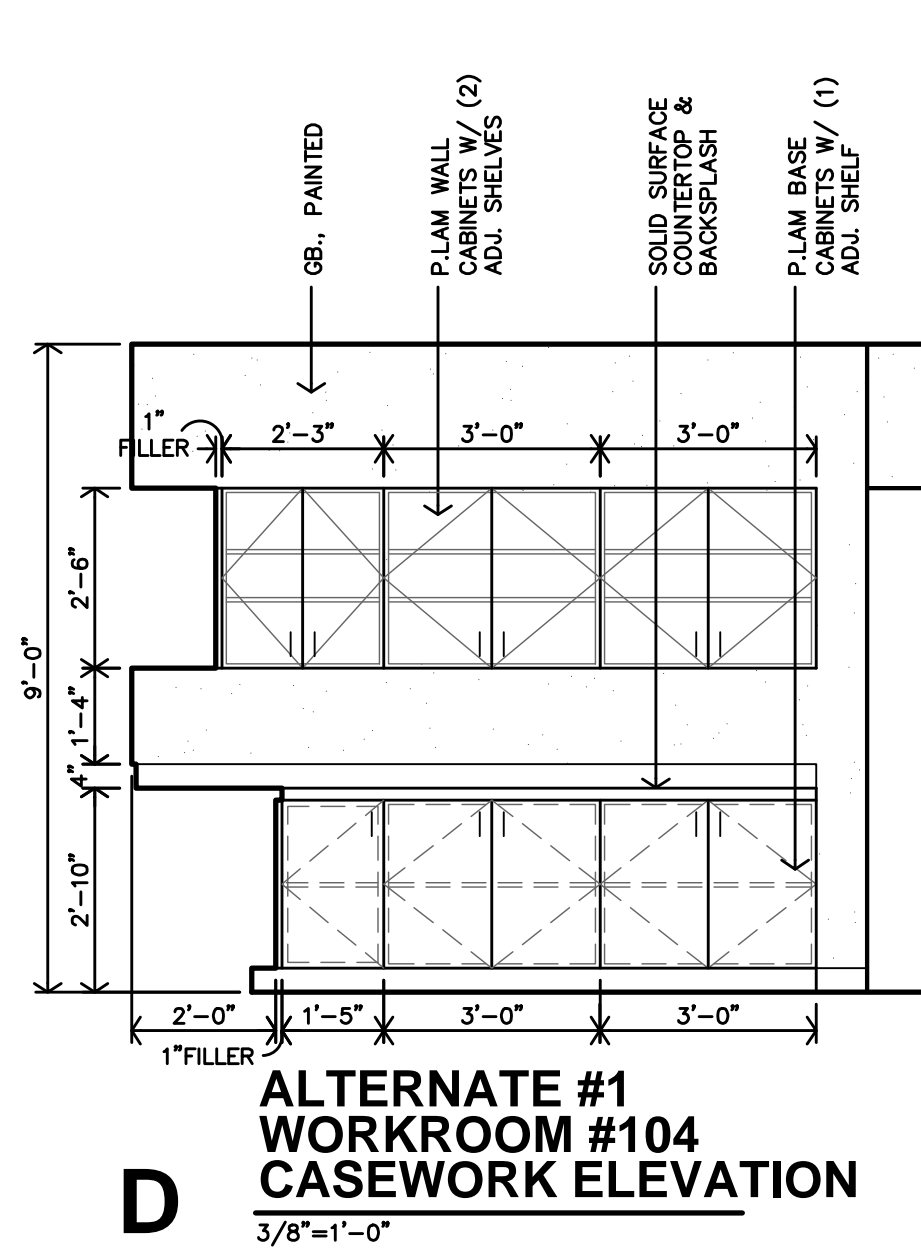
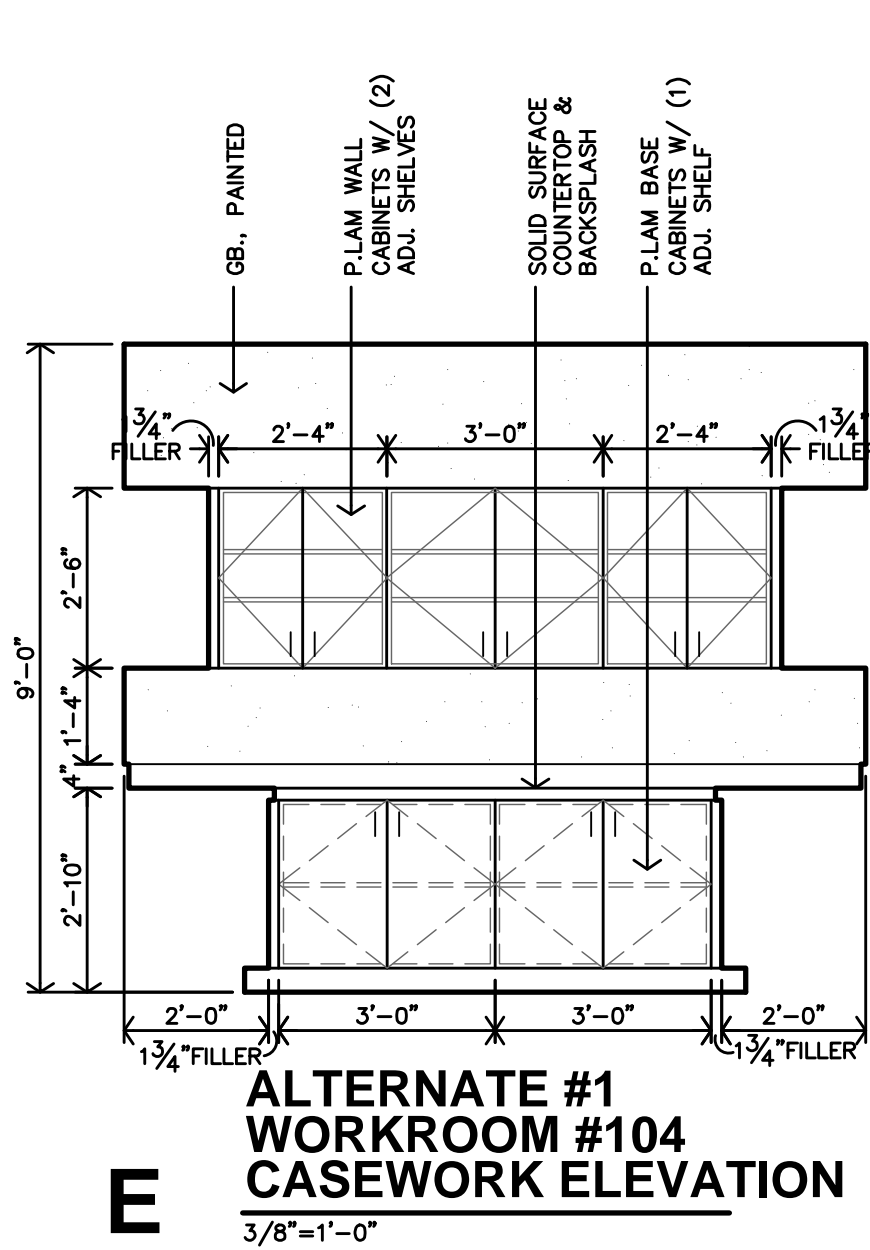
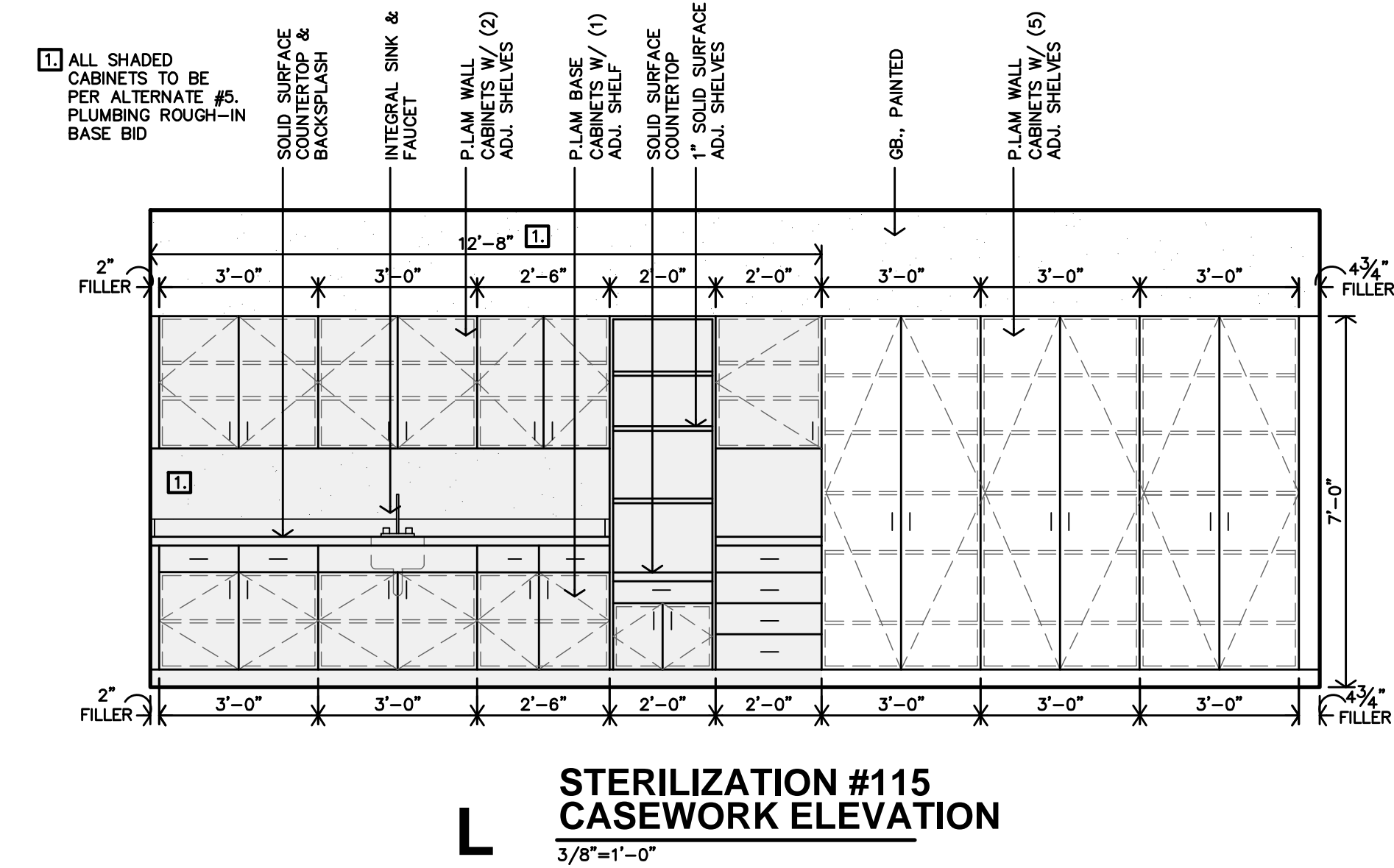
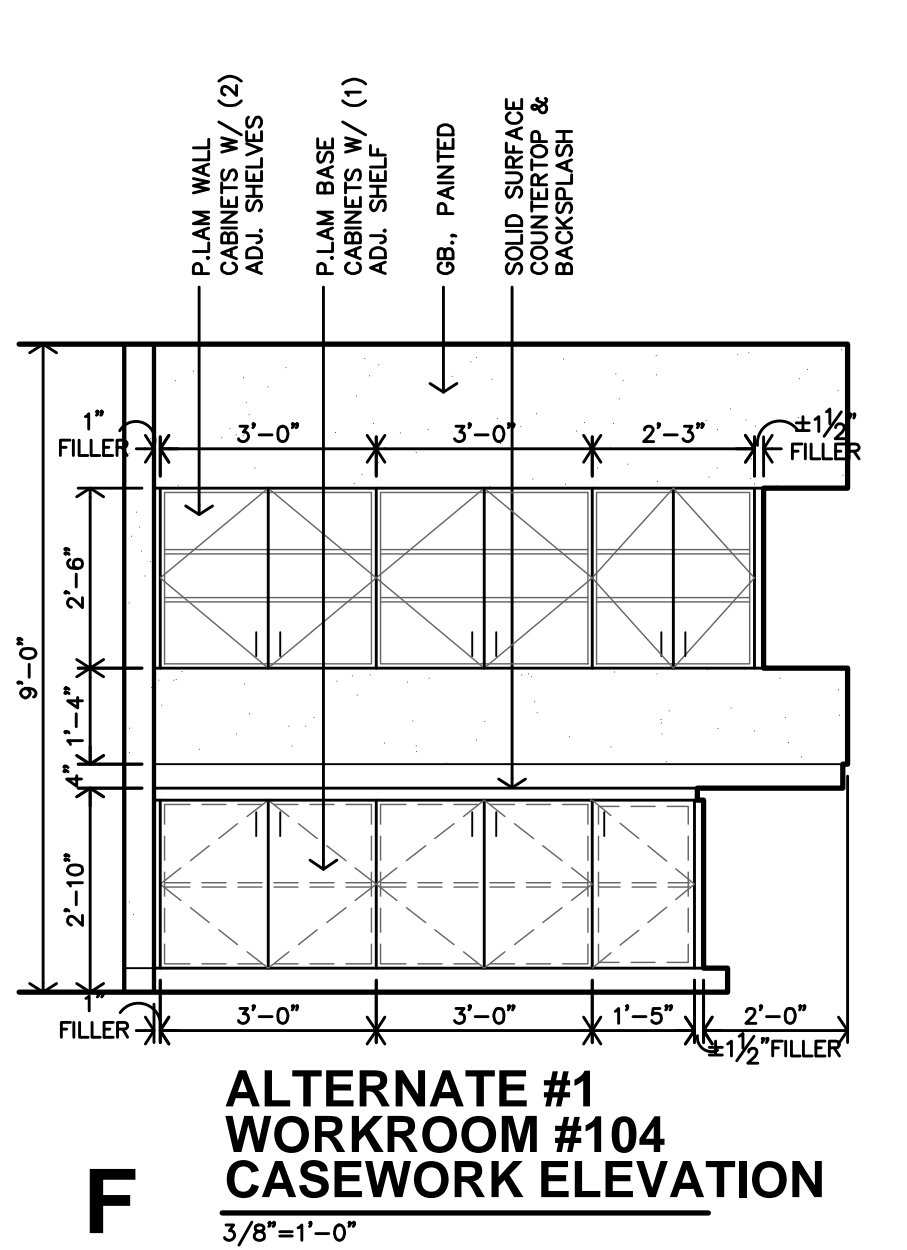
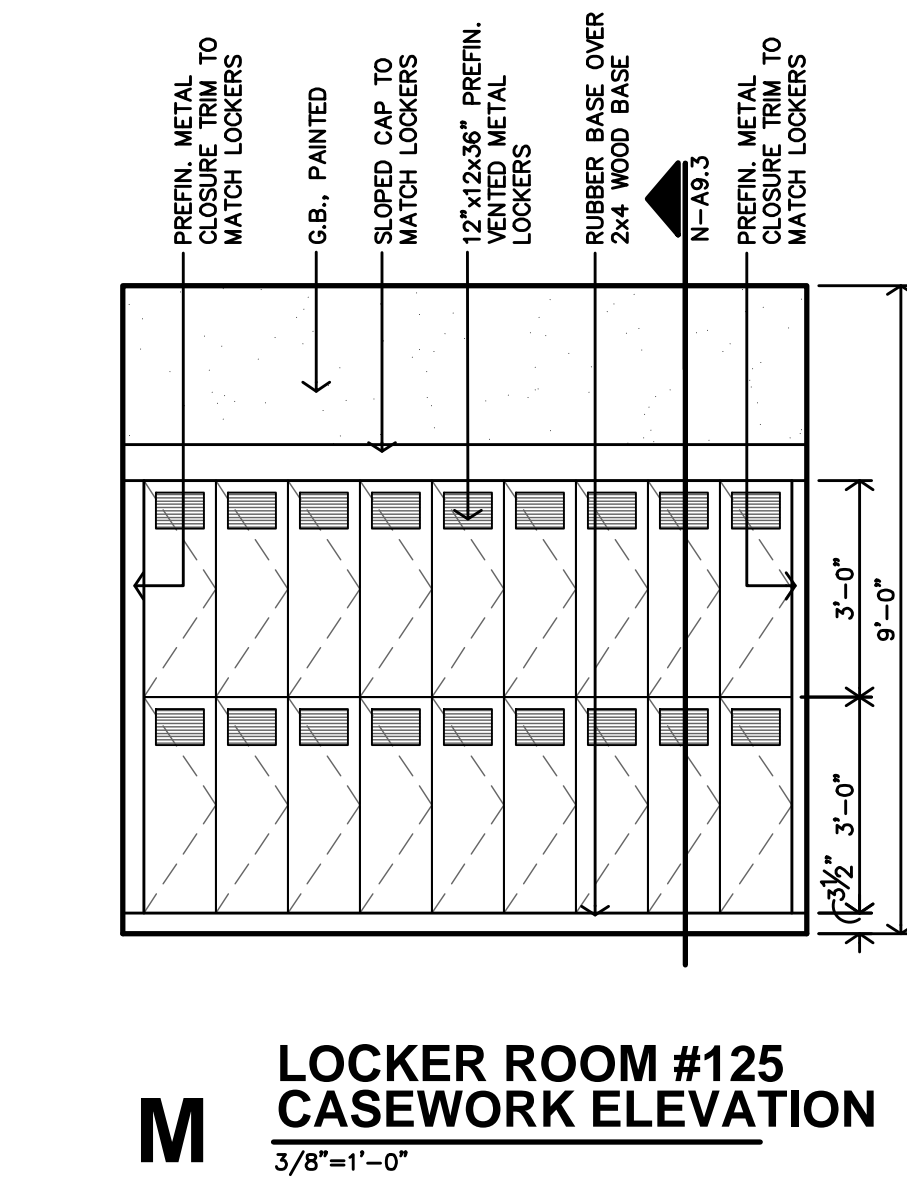
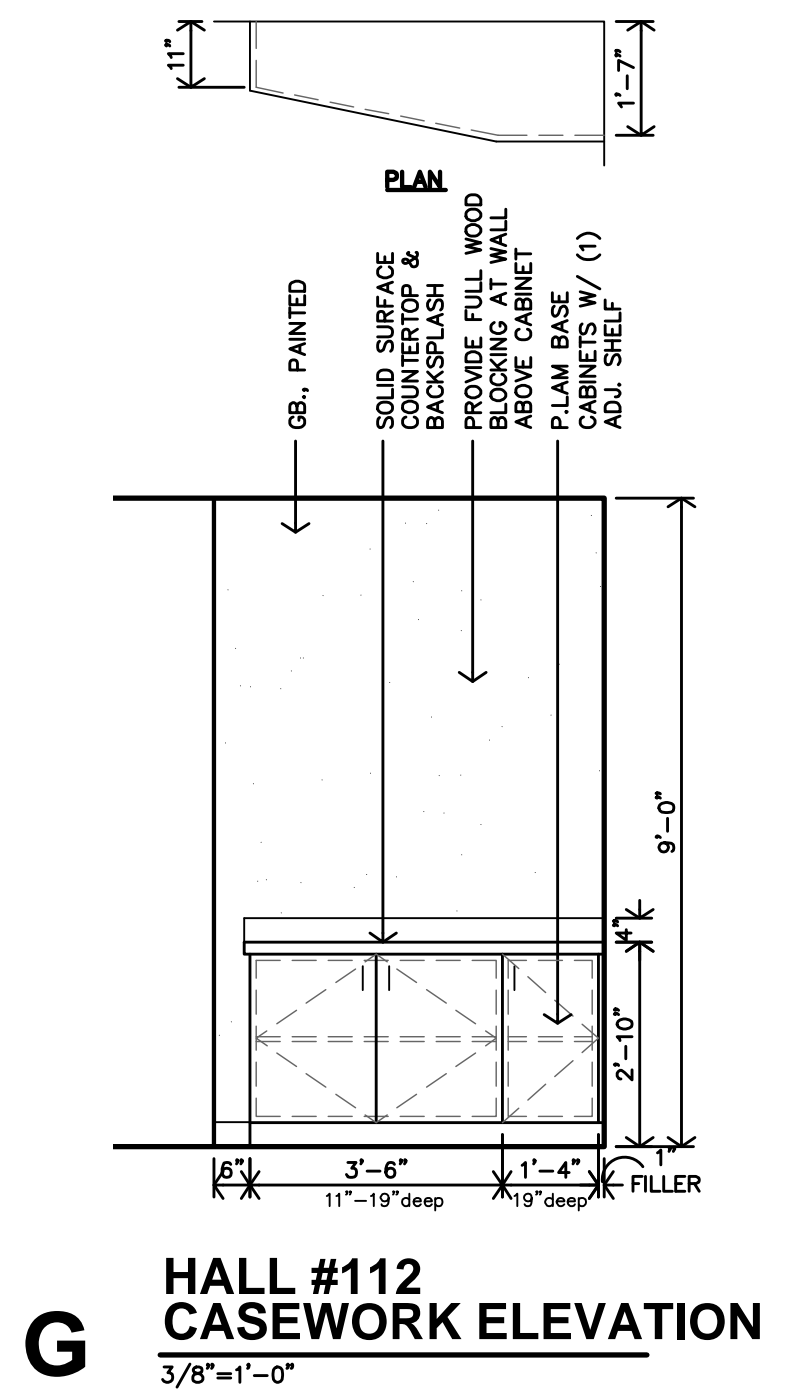
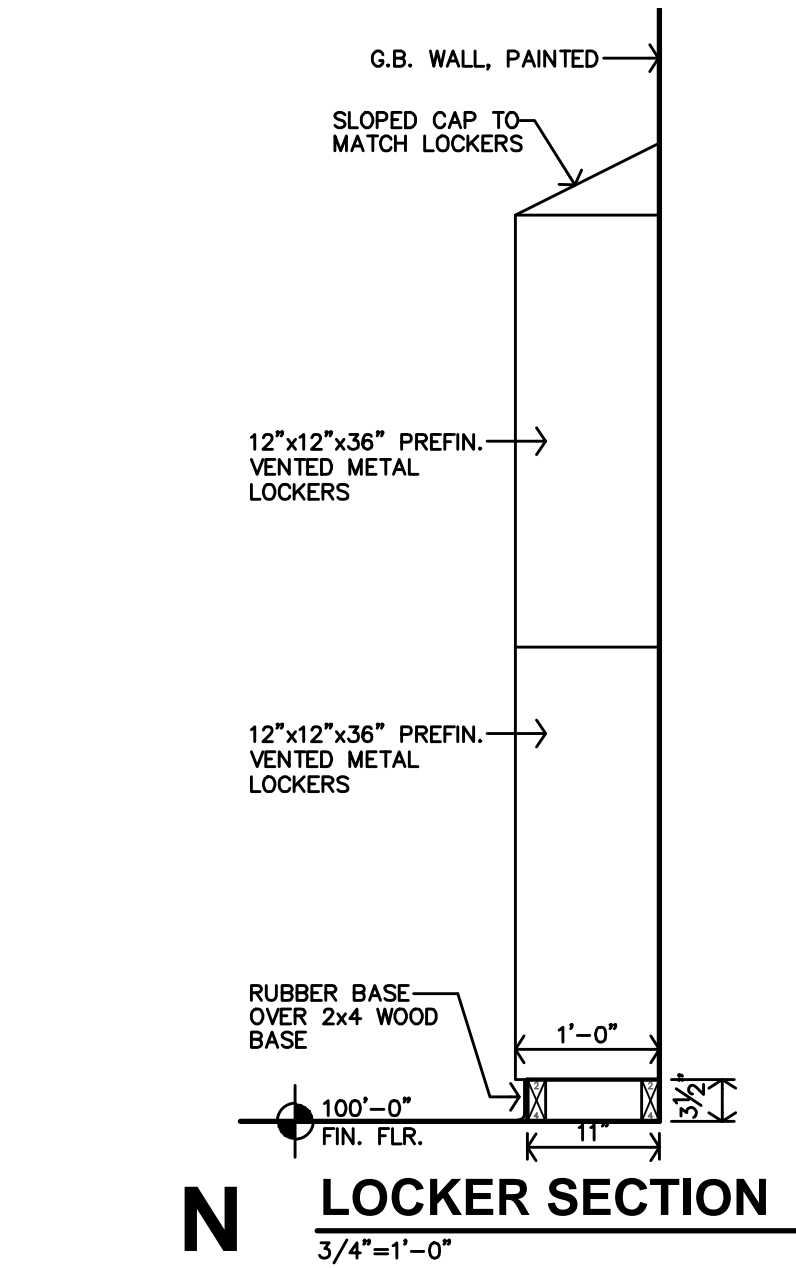


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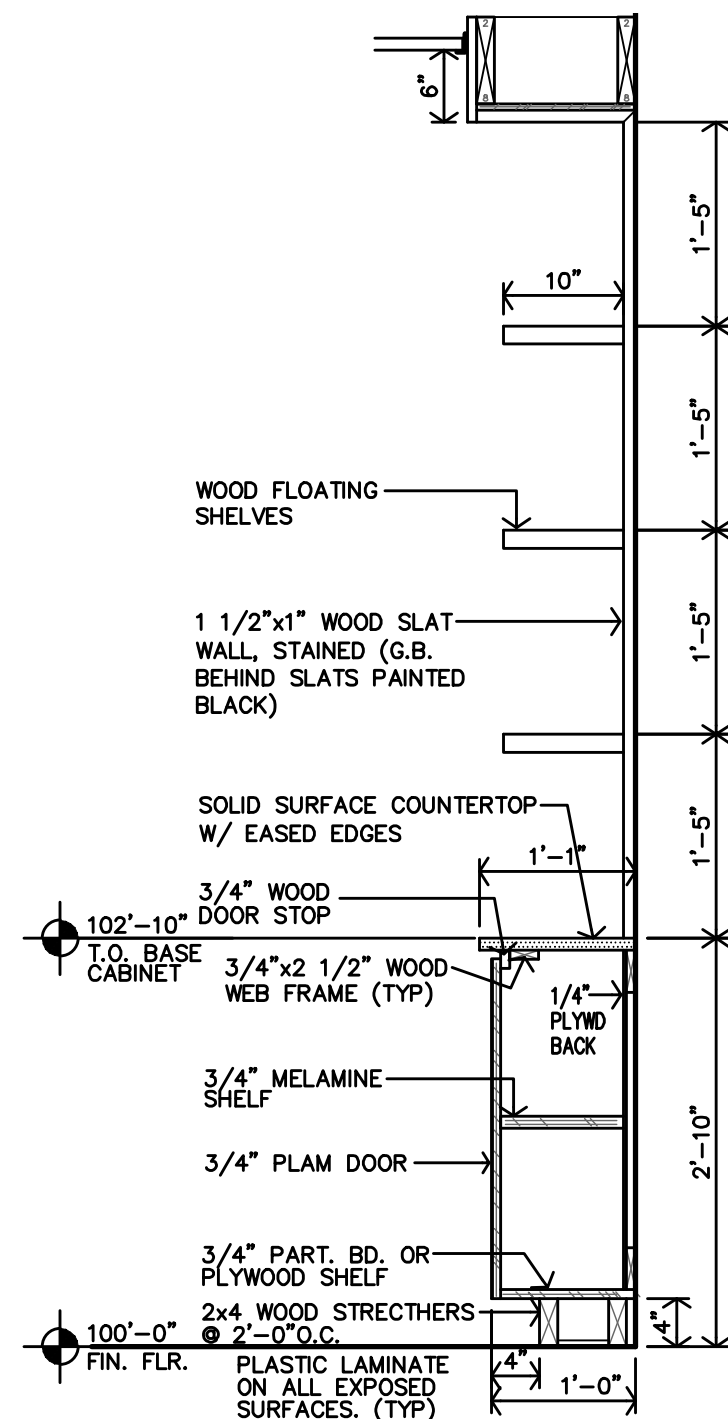
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JOB: 22-3211

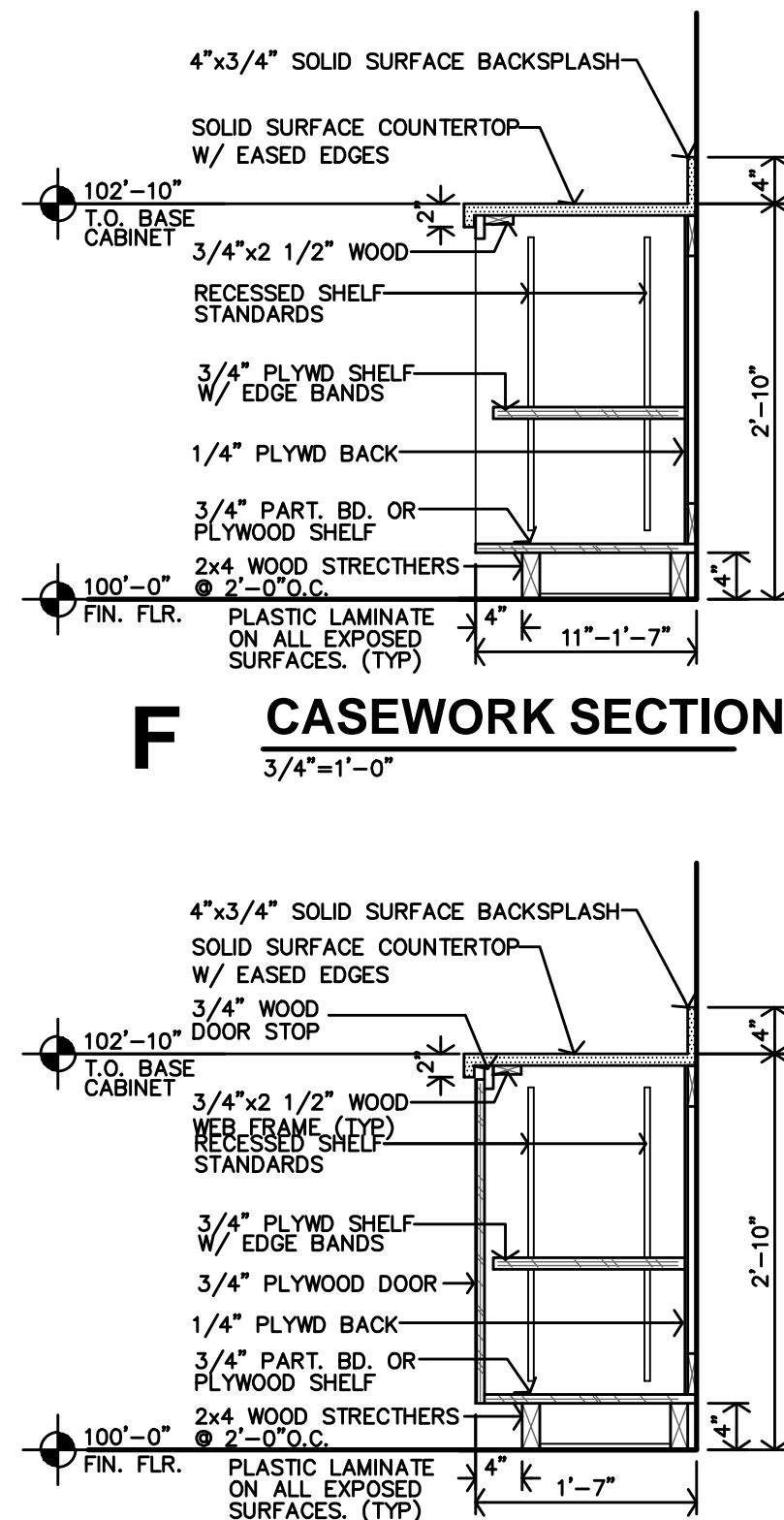
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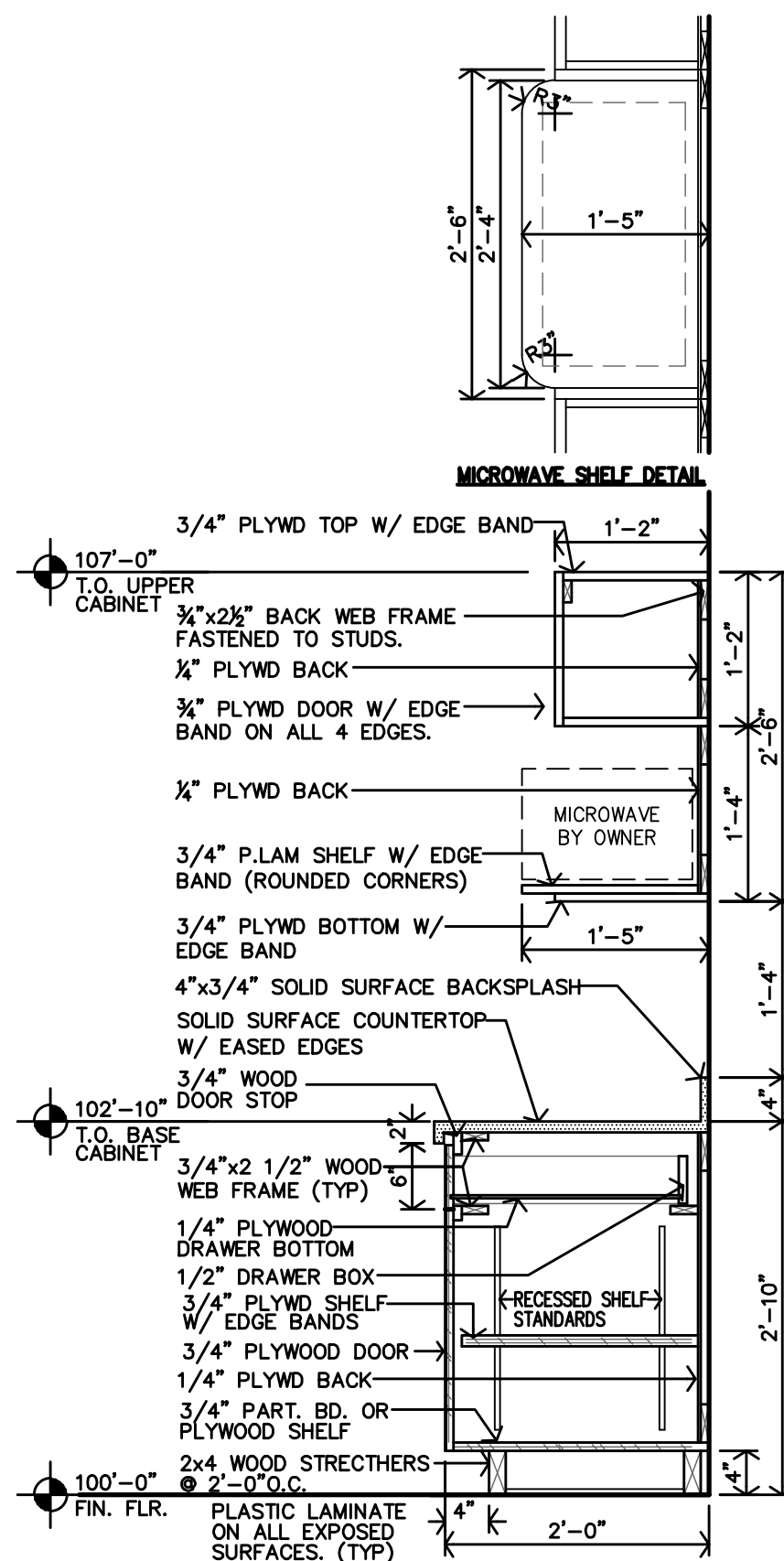
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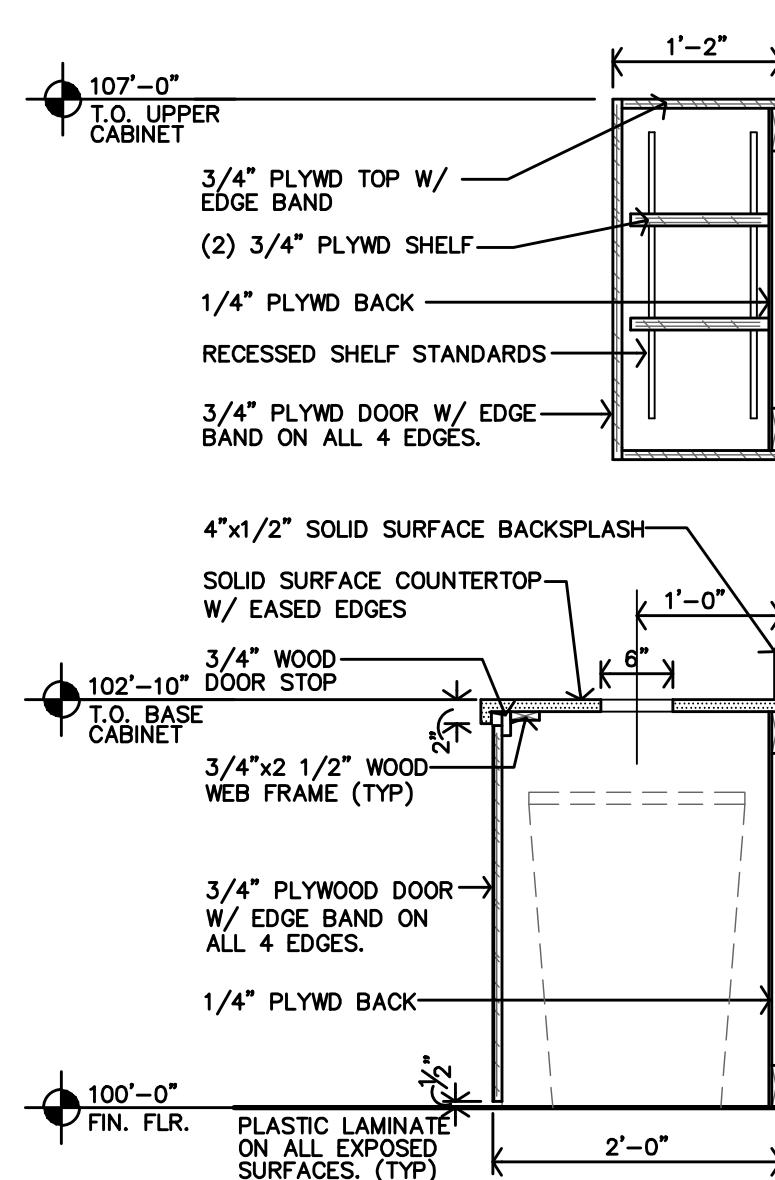
G CASEWORK SECTION
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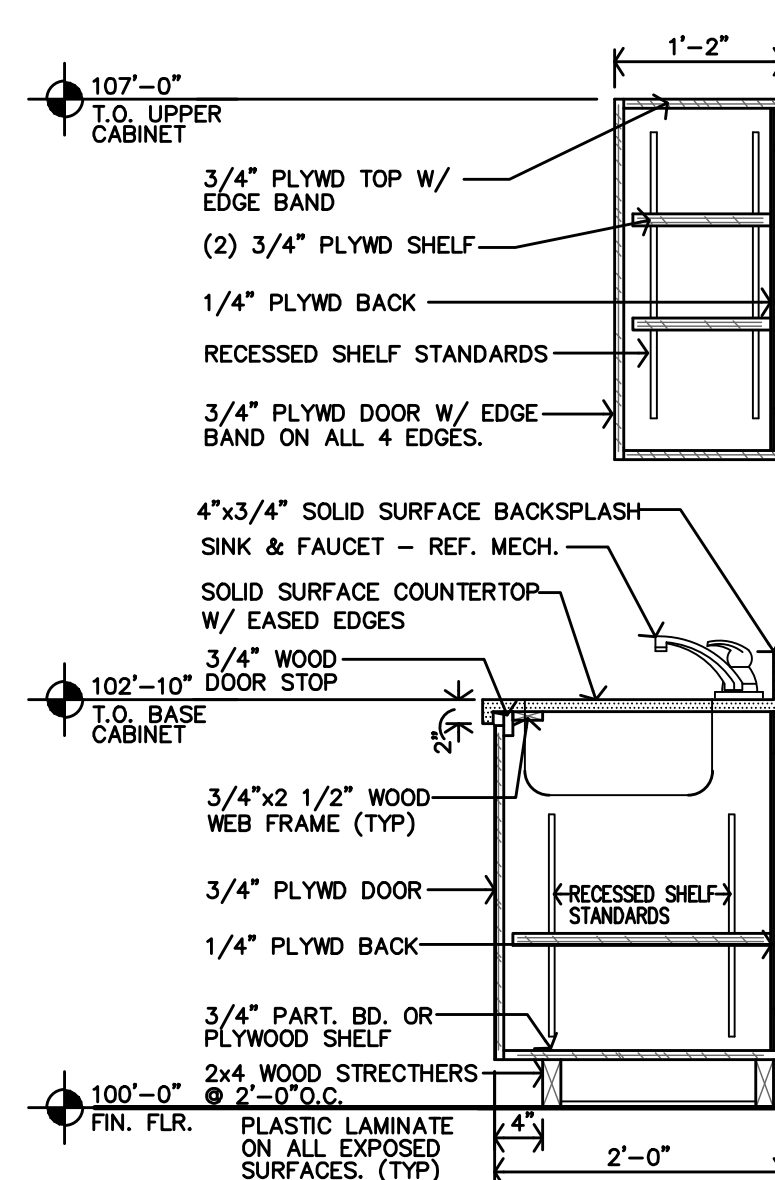
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3/4"=1'-0"



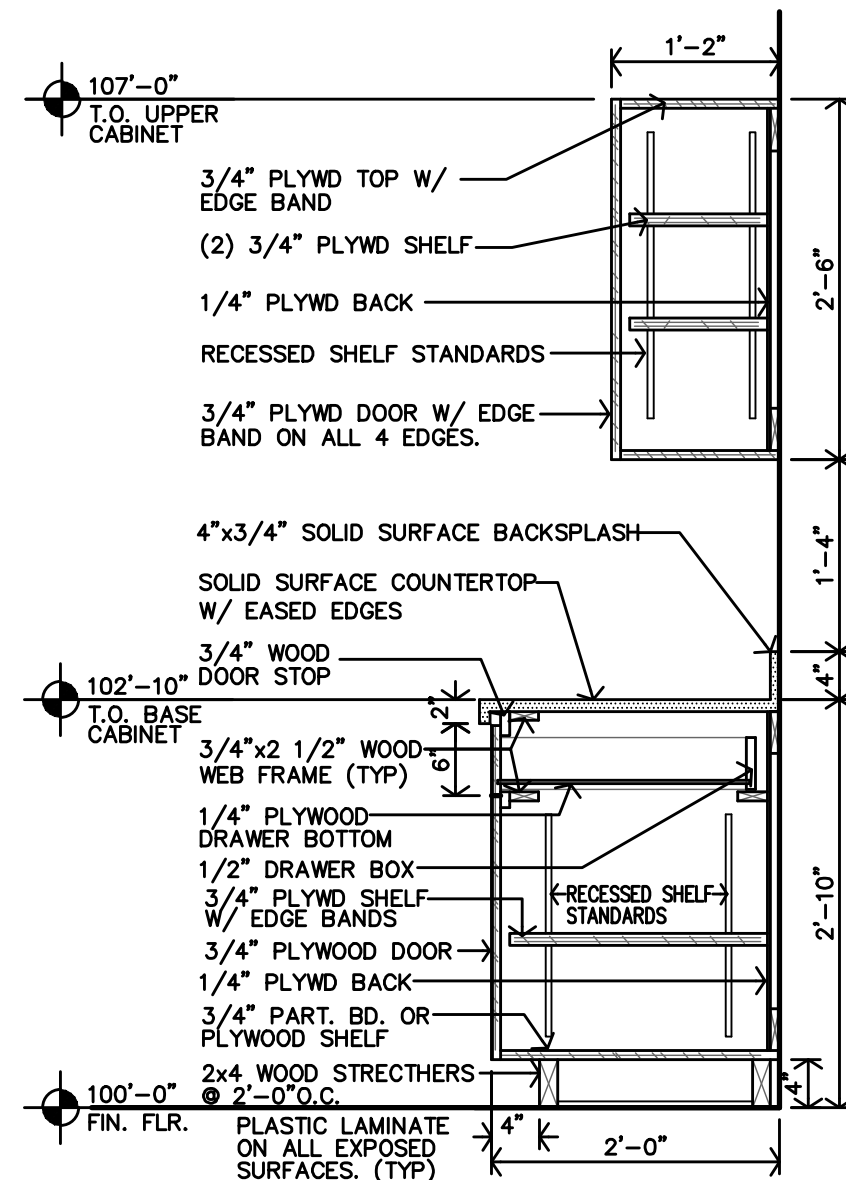
D CASEWORK SECTION
3/4"=1'-0"



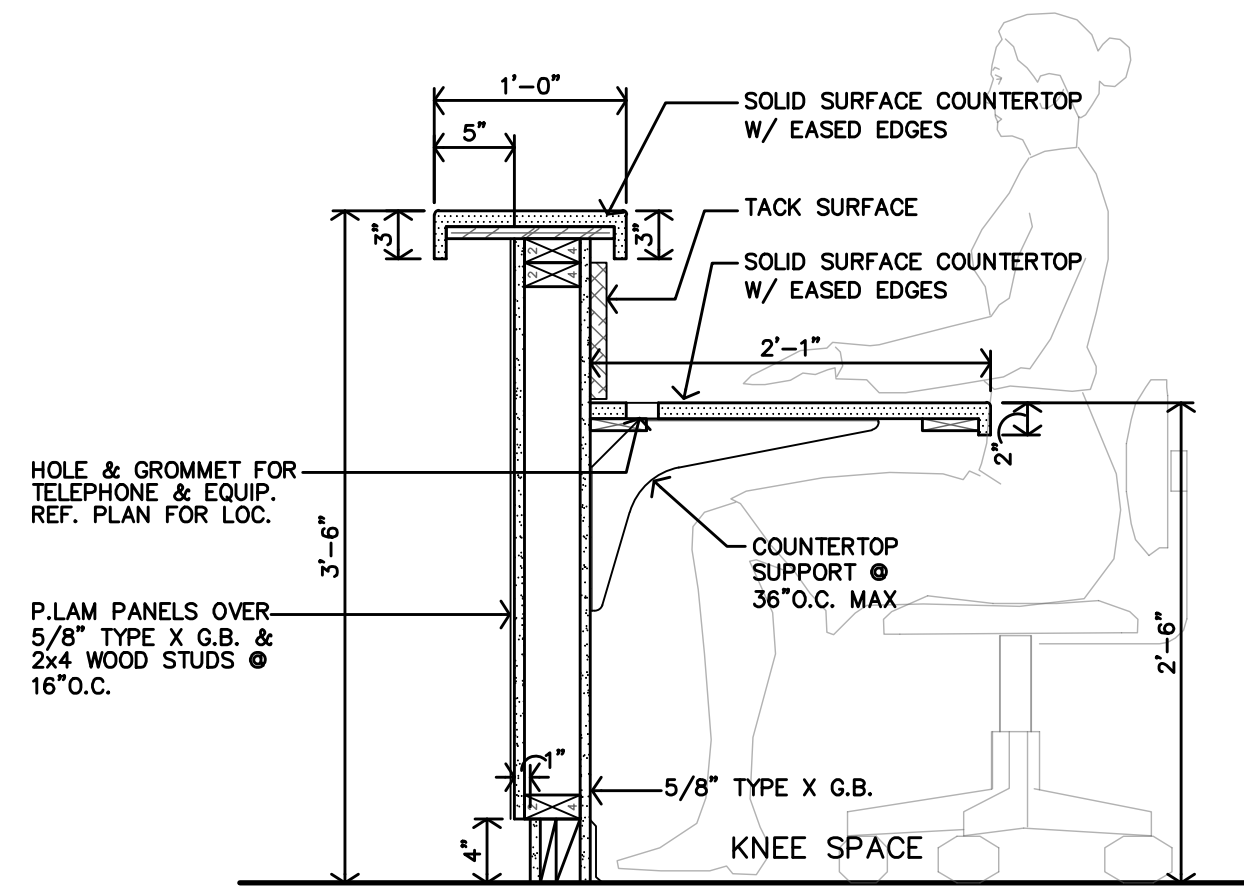
C CASEWORK SECTION
3/4"=1'-0"



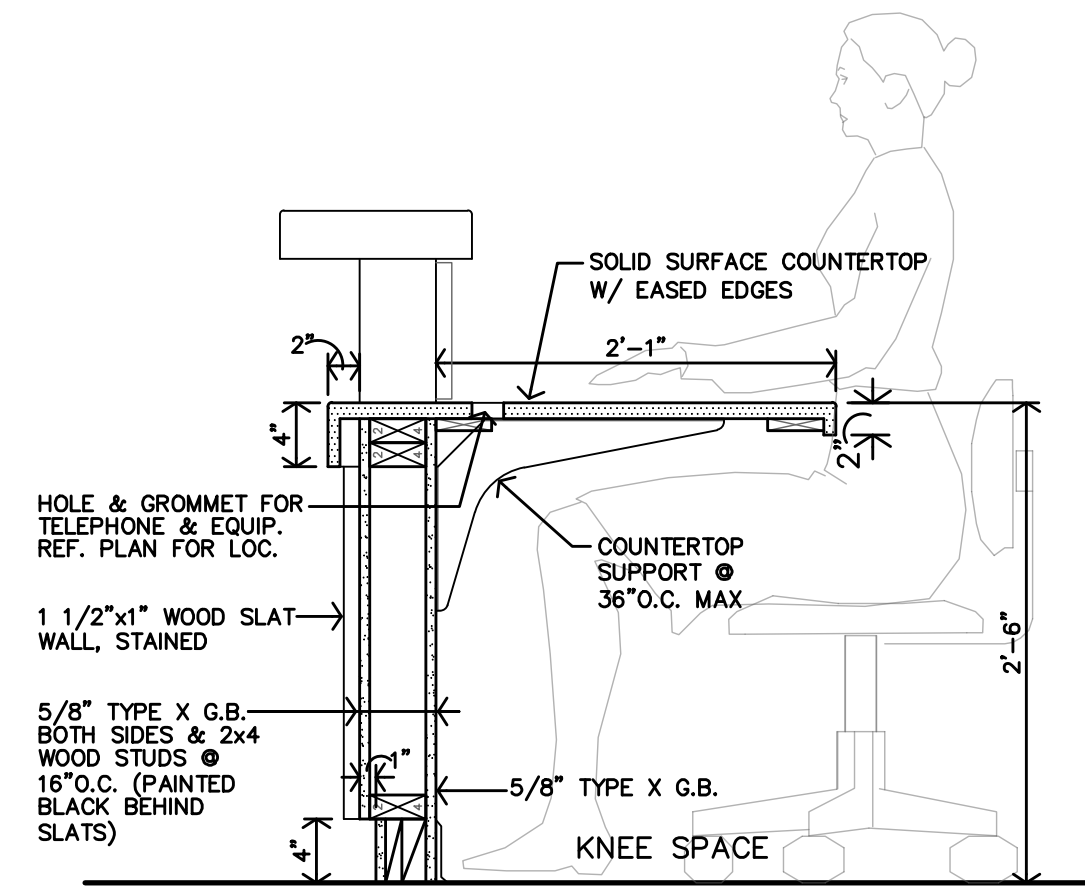
B TYPICAL CASEWORK SECTION
3/4"=1'-0"



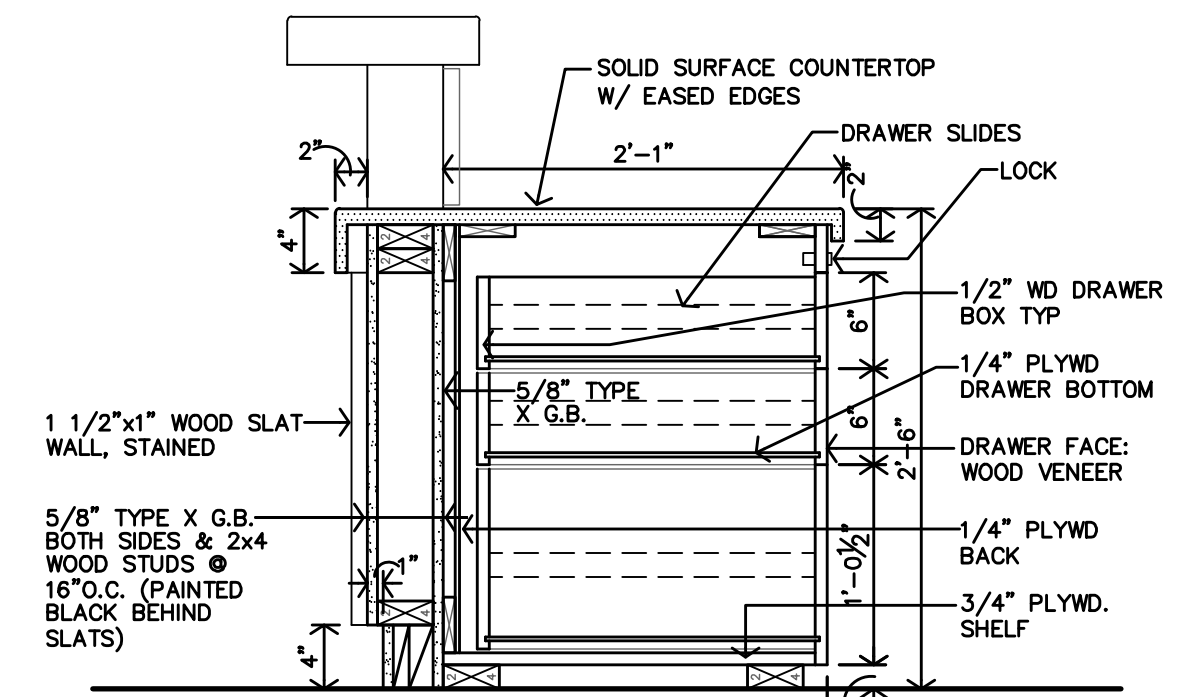
A TYPICAL CASEWORK SECTION
3/4"=1'-0"



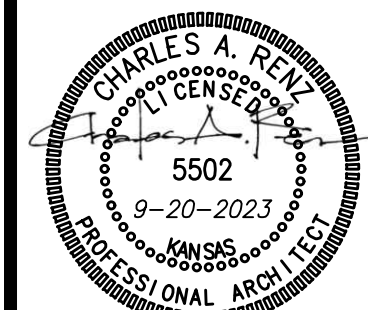
K RECEPTION #103 CASEWORK SECTION
1"=1'-0"



J RECEPTION #103 CASEWORK SECTION
1"=1'-0"



H RECEPTION #103 CASEWORK SECTION
1"=1'-0"



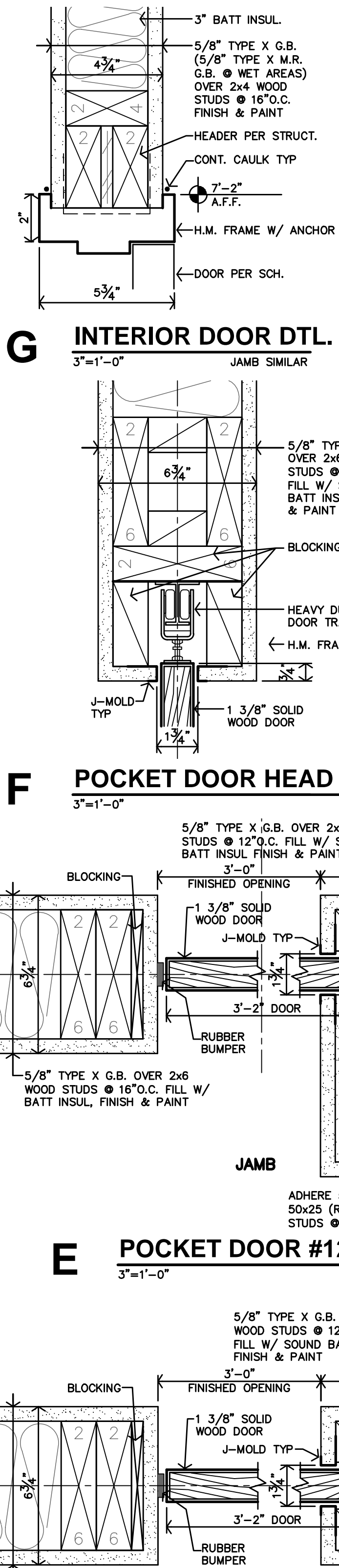
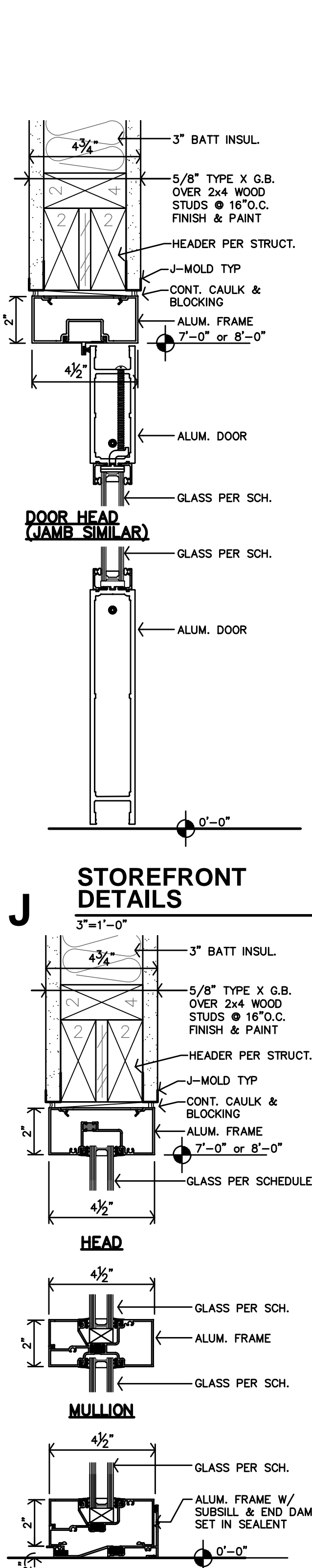
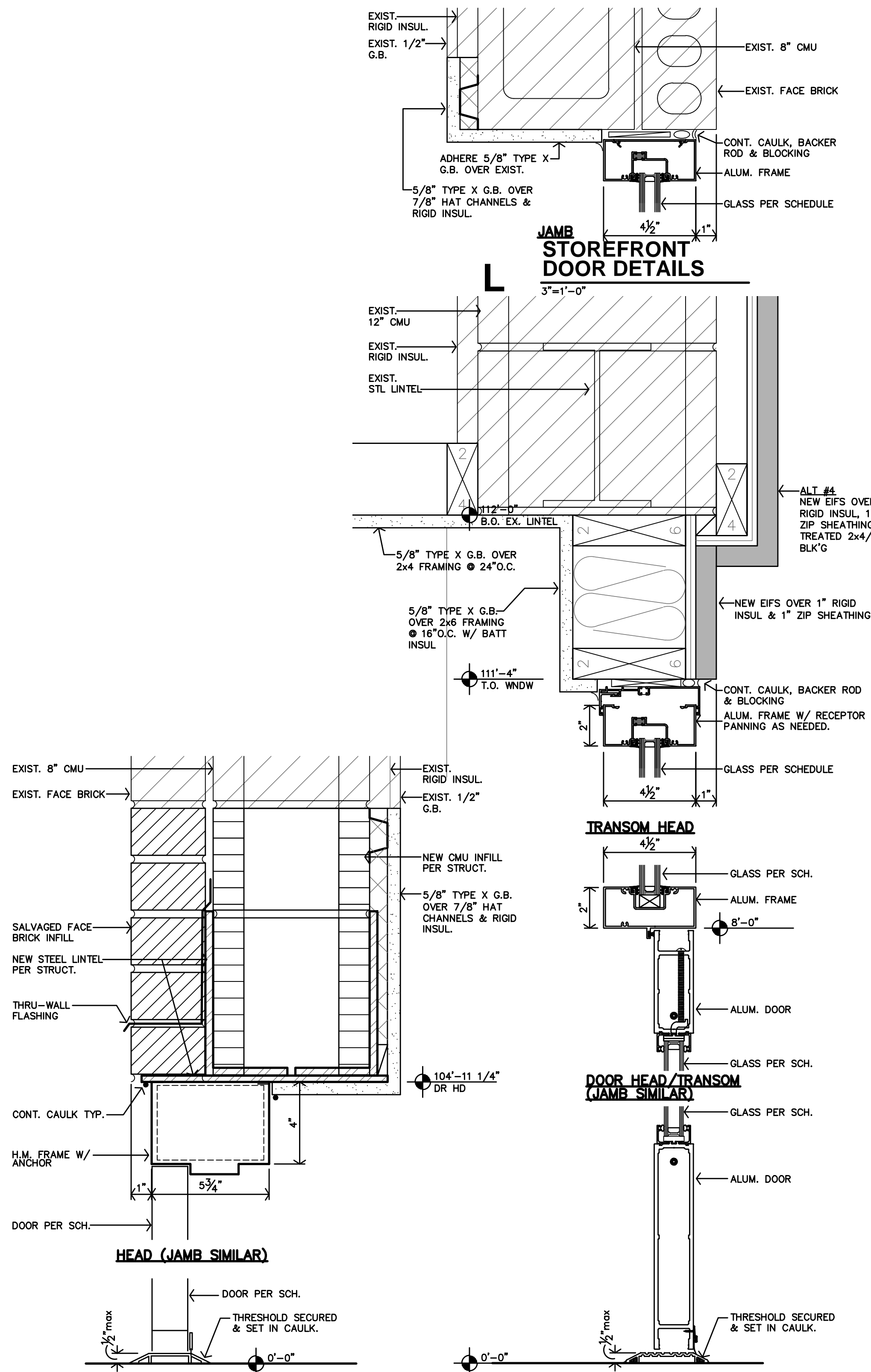
REVISION: _____
DATE: 9-20-2023
JOB: 22-3211
SHEET NO.: _____

ROSSVILLE FAMILY DENTAL
443 MAIN ST
ROSSVILLE, KANSAS

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A9.5

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WINDOW NOTES

- CONTRACTOR MUST INSTALL MTL. FLASHINGS & CAULK FOR A WEATHER & WATERTIGHT CONDITIONS @ ALL EXTERIOR WINDOW UNITS.
- ALL WINDOWS SHALL BE FLASHED WITH A MIN. 50 MIL MEMBRANE WATER BARRIER EXTENDING IN AT LEAST 6" AROUND EACH SIDE OF JAMBS. DOUBLE TAPE CORNERS. PROVIDE MOCK-UP FOR APPROVAL.

GLAZING SCHEDULE

MARK	EXTERIOR	INTERIOR	1" INSULATED	3/8"	5/8"	TEMPERED	ETCHED
A1	•	•	•	•	•	•	•
B1	•	•	•	•	•	•	•
B2	•	•	•	•	•	•	•

C WINDOW SCHEDULE
1/4"=1'-0"

MARK	W	H	FIN	TYPE	FINISH	DETAIL	REMARKS
101	3'-0"	8'-0"	1 3/4"	•	A	•	K/L-A10.1
102	3'-0"	8'-0"	1 3/4"	•	A	•	H/J-A10.1
103	3'-0"	7'-0"	1 3/4"	•	A	•	H/J-A10.1
104	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1
105	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1
106	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1
107	3'-2"	7'-0"	1 3/8"	•	A	•	D/F-A10.1
108	3'-0"	7'-0"	1 3/4"	•	A	•	G-A10.1
109	3'-2"	7'-0"	1 3/8"	•	A	•	D/F-A10.1
110	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1 SIM
111	3'-2"	7'-0"	1 3/8"	•	A	•	D/F-A10.1
112	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1
113	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1
114	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1
115	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1 SIM
116	3'-0"	7'-0"	1 3/4"	•	B	•	M-A10.1
117	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1
118	3'-0"	7'-0"	1 3/4"	•	C	•	H/J-A10.1
119	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1
120	3'-10"	7'-0"	1 3/8"	•	C	•	E/F-A10.1
121	3'-0"	7'-0"	1 3/4"	•	C	•	G-A10.1

NT
AILS

H

STOREFRONT
DETAILS

3"=1'-0"

5/8" TYPE X G.B. OVER
WOOD STUDS @ 16" O.C.
BATT INSUL. FINISH &
D PO

3"=1'-0"

STOREFRONT

STOREFRONT

GENERAL NOTES - STRUCTURAL

1. General Information:

- A. The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.
- B. The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural, mechanical, or electrical drawings. In the case of work in an existing building the contractor shall scan existing structure to locate all rebar in the area of the new core/opening using ground penetrating radar and notify the engineer of record for review prior to coring/cutting. Conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.
- C. All design and construction work for this project shall conform to the requirements of the 2018 International Building Code, as amended by the City of Rossville, Kansas.
- D. These drawings are for this specific project and no other use is authorized.

2. Structural Design Load Criteria:

- A. Floor Live= 100psf
(An allowance of 15psf has been made for partitions as a uniformly distributed live load where the live load stated above is 80psf or less)
- B. Roof Live= 20psf
- C. Snow: R_s= 20psf, F_t=14psf, I_s = 1.0
C_e=1.0, C_t=1.0, D_r11 per ASCE/SEI T-16

3. Concrete:

- A. All concrete for interior flat work shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 525 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.75 gallons of water per 100 pounds of cement and not over 4 inches of slump.
- B. The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability.
- C. The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced.
- D. All interior concrete slabs on grade shall be placed over 15 mil, Class A Vapor Barrier per ASTM E1745 with less than .001 perms, tested after mandatory conditioning. All joints shall be lapped and sealed per manufacturer's recommendations. All penetrations, as well as damaged vapor barrier material shall also be sealed per manufacturer's recommendation prior to concrete placement. Install barrier per manufacturer recommended details at all discontinuous edges (at interior columns, exterior edge of slab, etc.) to ensure terms of warranty are followed. The vapor barrier shall be placed over free-draining granular material as prescribed by the project soils report.
- E. No aluminum items shall be embedded in any concrete.

4. Reinforcing Steel:

- A. All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A1064.
- B. All welding shall conform to the recommendations of the AWS.
- C. All exterior steel and connections, and brick relief angles shall be hot-dip galvanized.

6. Post-Installed Anchors:

- A. Post-installed anchors shall be used only where specified on the drawings unless approved in writing by the engineer of record. See drawings for anchor diameter, spacing and embedment. Performance values of the anchors shall be obtained for specified products using appropriate design procedures and/or standards as required by the governing building code. Anchors installed in concrete shall have an ICC-ES Evaluation Service Report. Special inspection is required for all post-installed anchors. The general contractor shall coordinate an on-site meeting with the post-installed anchor manufacturer, field representative, and subcontractor performing the anchor installation to educate the construction team on the anchor installation guidelines and requirements. The contractor shall send a record copy of the meeting meetings to the design team.
- B. Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ACI 308.2 and ICC-ES AC108. All anchors shall be installed per the anchor manufacturer's written instructions.
- C. Adhesive anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions.
- D. Mechanical anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions.
- E. Adhesive anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions.
- F. Anchors used in hollow concrete masonry shall have been tested and qualified in accordance with ICC-ES AC108 or ICC-ES AC308 as appropriate. All anchors shall be installed per the anchor manufacturer's written instructions with appropriate screen tubes used for adhesives.

7. Timber and Wood Framing:

- A. Quality and construction of wood framing members and their fasteners for load supporting purposes not otherwise indicated on the drawings shall be in accordance with the 2018 International Building Code.
- B. All studs and top and bottom plates shall be Douglas Fir No. 2 grade visually graded lumber, with an allowable fiber stress in bending of 900 psi minimum and an elastic modulus of 1,600,000psi unless noted otherwise. All joist, truss members, and headers to be No. grade (min. unless noted otherwise. All lumber for exterior decks and balconies shall be treated Southern Yellow Pine No. 2 grade.
- C. Service condition - dry with moisture content at or below 19% in service.
- D. Laminated veneer lumber (LVL) shall have an allowable flexural stress (F_b) of 2,600 psi (reduced by size factor) and an elastic modulus (E) of 2,000,000 psi.

B. Shop Drawing Review:

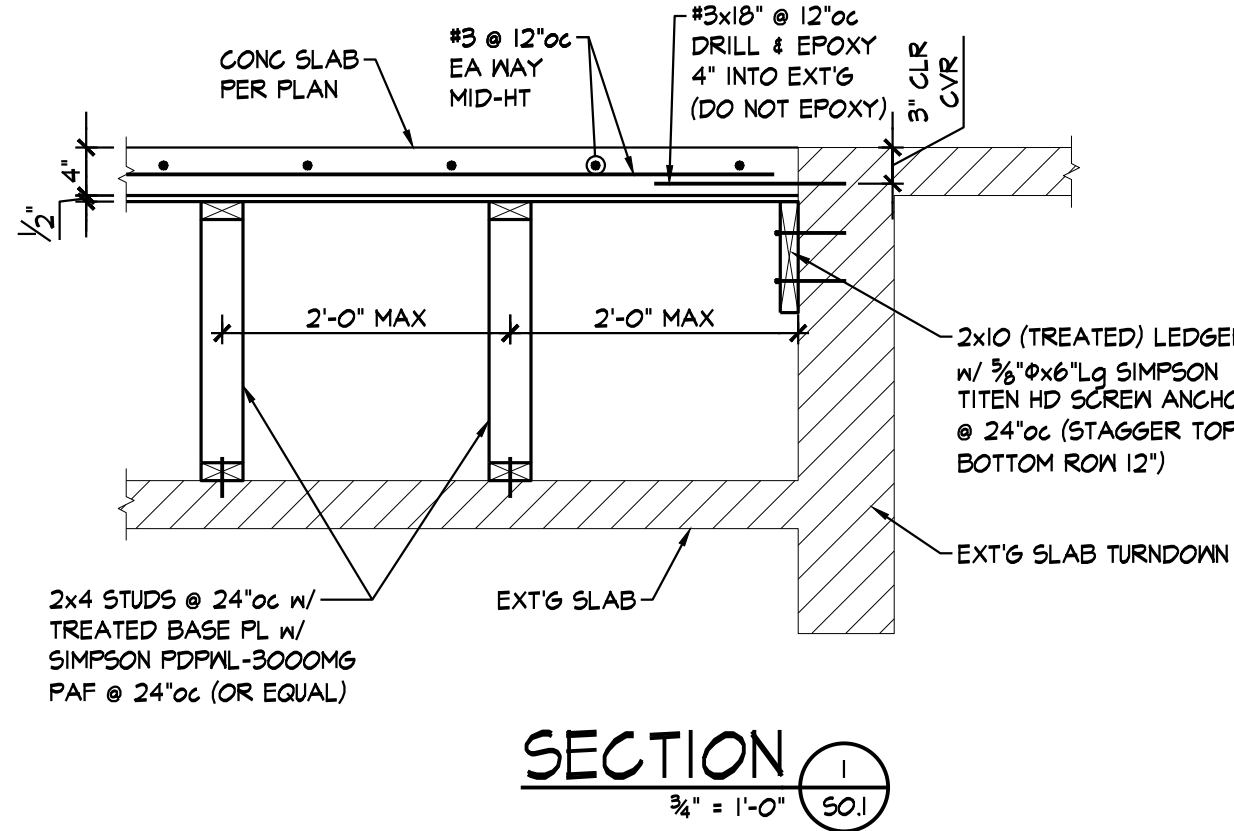
- A. Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc. Deferred submittals shall be submitted to the architect of record for review who shall forward to the building official for review and approval. Design calculations for deferred submittals shall be submitted at the same time as the shop drawings for review. Design calculations shall be prepared and sealed by a Professional Engineer licensed in the state of the project. The deferred submittal items shall not be installed until the deferred submittal documents have been approved by the building official.
- B. Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:
- 1) Review each submission for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.
 - 2) Review and approve each submission.
 - 3) Stamp each submission as approved.
- C. Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.
- D. Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the GC.
- 1) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement.
 - 2) Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.
 - 3) Structural steel shop drawings including erection drawings and piece details. Include miscellaneous framing specified on the structural drawings, but do not submit framing specified on non-structural drawings for Bob D. Campbell and Company, Inc. review.
- E. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions without GC approval stamp.

9. Statement of Structural Special Inspection:

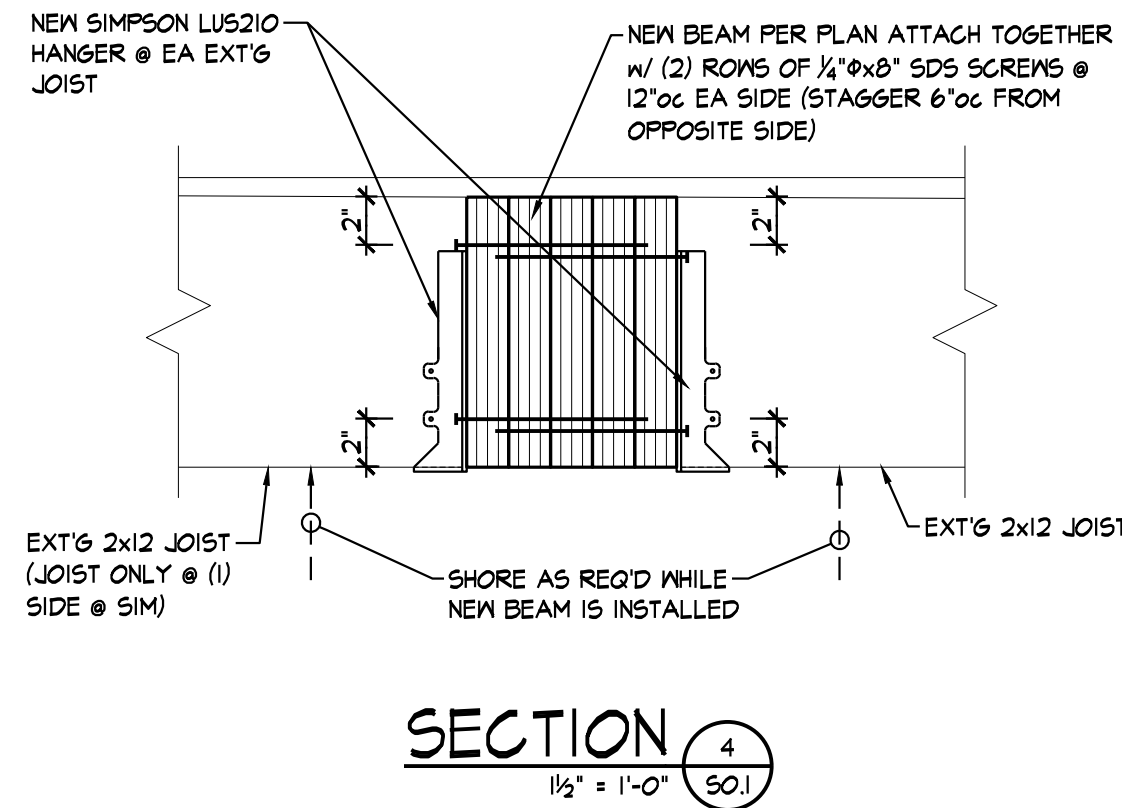
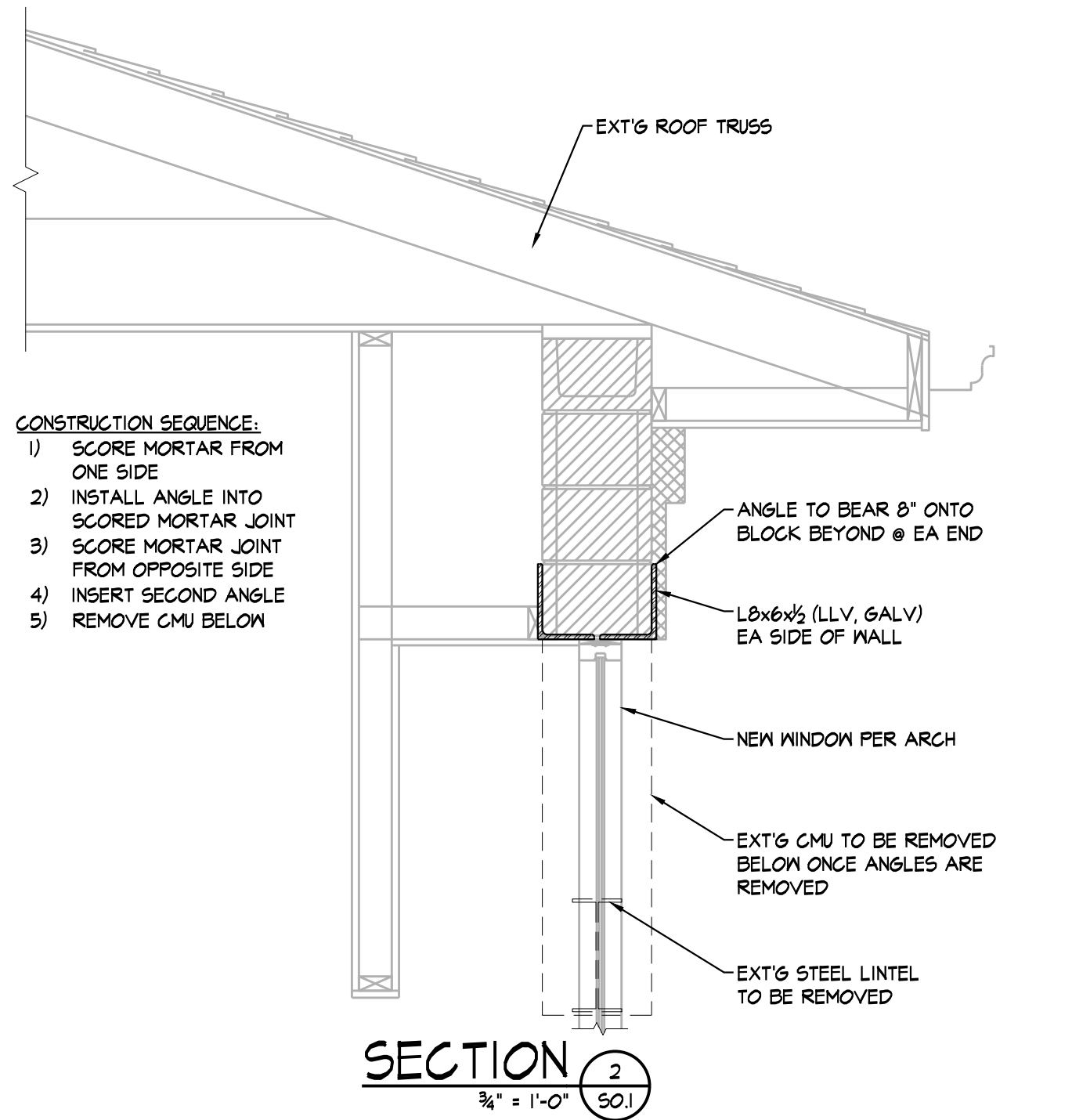
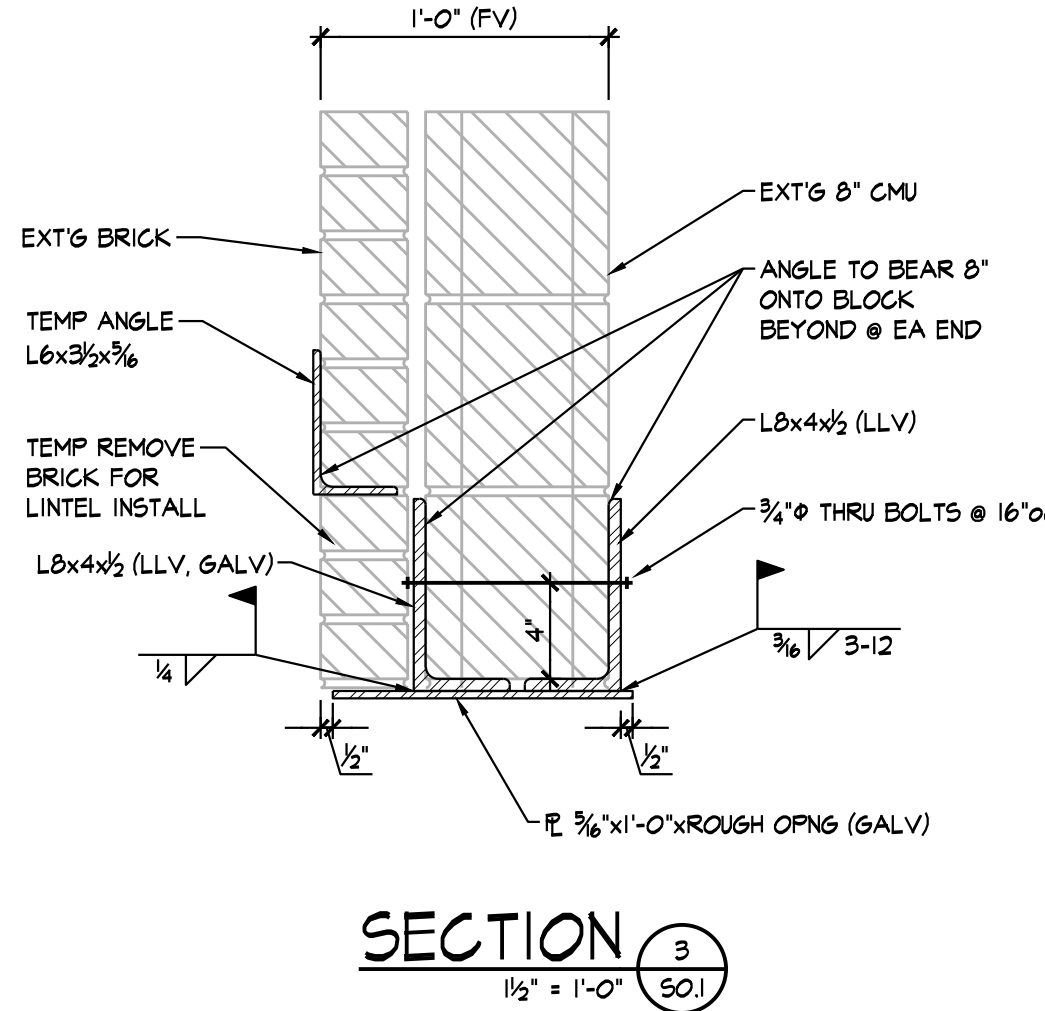
- A. Special inspections are not required for this project.

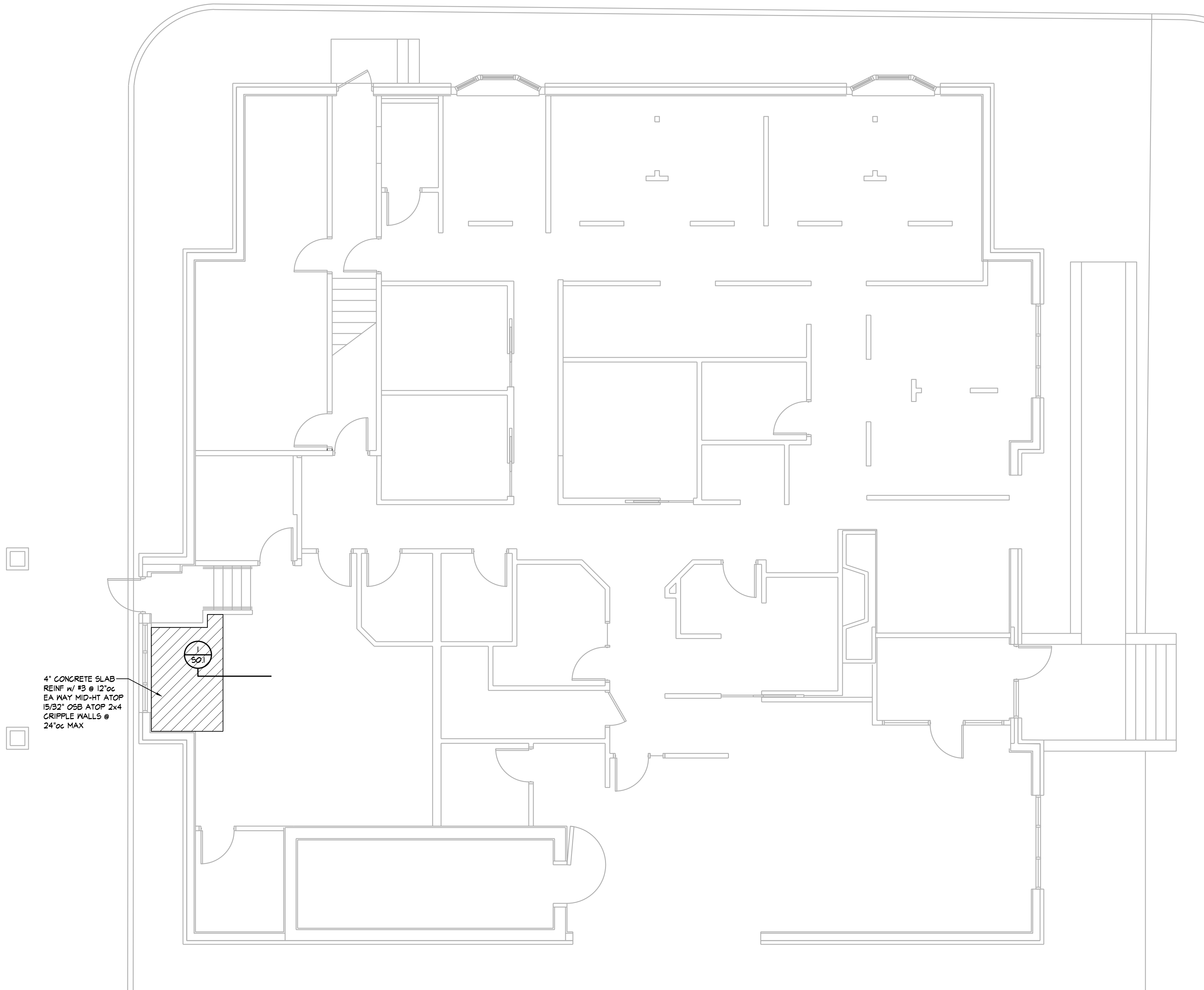
10. Copyright and Disclaimer:

- A. All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner.
- B. I, Christopher A. Beverlin, P.E., registered engineer and a representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.



- CONSTRUCTION SEQUENCE:
- 1) SCORE MORTAR FROM INTERIOR SIDE
 - 2) INSTALL ANGLE AT INTERIOR ANGLE
 - 3) SCORE MORTAR JOINT FOR TEMP ANGLE & INSTALL
 - 4) REMOVE BRICK BELOW TEMP ANGLE
 - 5) SCORE MORTAR FOR EXTERIOR SIDE
 - 6) INSTALL ANGLE AT EXTERIOR SIDE
 - 7) WELD ON BOTTOM PLATE & THRU-BOLT
 - 8) REINSTALL BRICK
 - 9) REMOVE TEMP ANGLE





FOUNDATION PLAN
3/8" = 1'-0"

PRELIMINARY
DRAWING
NOT FOR
CONSTRUCTION

REVISION:	
DATE:	8-26-2022
JOB:	22-3211
SHEET:	

S2.1

NEW HORIZONS DENTAL

ROSSVILLE OFFICE

ROSSVILLE,

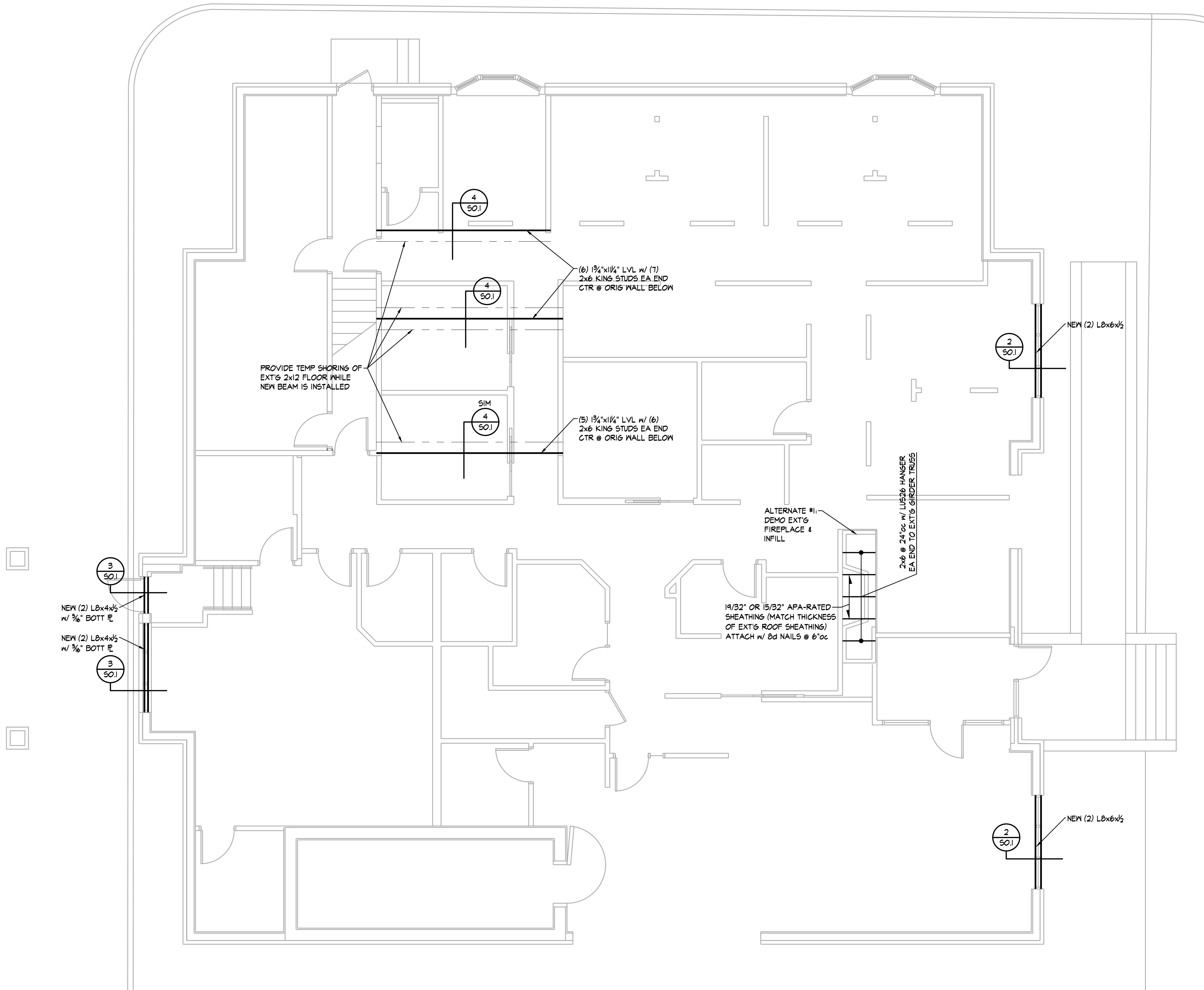
KANSAS



Architects Planners Designers
730 N. Ninth
P.O. BOX 2928
Salina, KS 67402
1722 Main Street
Kansas City, MO 64108

JONES GILLAM RENZ
785.827.0386
jgr@jgarchitects.com

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FRAMING PLAN
3/8" = 1'-0"

**PRELIMINARY
DRAWING**
NOT FOR
CONSTRUCTION

REVISION:	
DATE:	8-26-2022
JOB:	22-3211
SHEET:	

S2.2

NEW HORIZONS DENTAL
ROSSVILLE OFFICE
ROSSVILLE, KANSAS

GENERAL MECHANICAL DEMO NOTES

1. REMOVE ALL EXISTING HVAC INSTALLATION TAKEN OUT OF SERVICE THROUGHOUT AREA OF REMODEL. EXISTING HVAC INFORMATION IS SHOWN FOR REFERENCE FROM EXISTING BUILDING PLANS.
2. ALL PIPING TAKEN OUT OF SERVICE SHALL BE REMOVED. WHERE PIPING TO BE REMOVED IS CONNECTED TO EXISTING PIPING TO REMAIN, PIPING SHALL BE REMOVED BACK TO MAIN AND CAPPED, UNLESS INDICATED OTHERWISE.
3. WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB.
4. ALL DUCTWORK TAKEN OUT OF SERVICE SHALL BE REMOVED.
5. ALL MECHANICAL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE REMOVED.
6. COORDINATE CUTTING, PATCHING OF EXISTING WALLS, CEILINGS, ROOF AND FLOORS AFFECTED BY MECHANICAL DEMOLITION WITH G.C.

GENERAL ELECTRICAL DEMOLITION NOTES

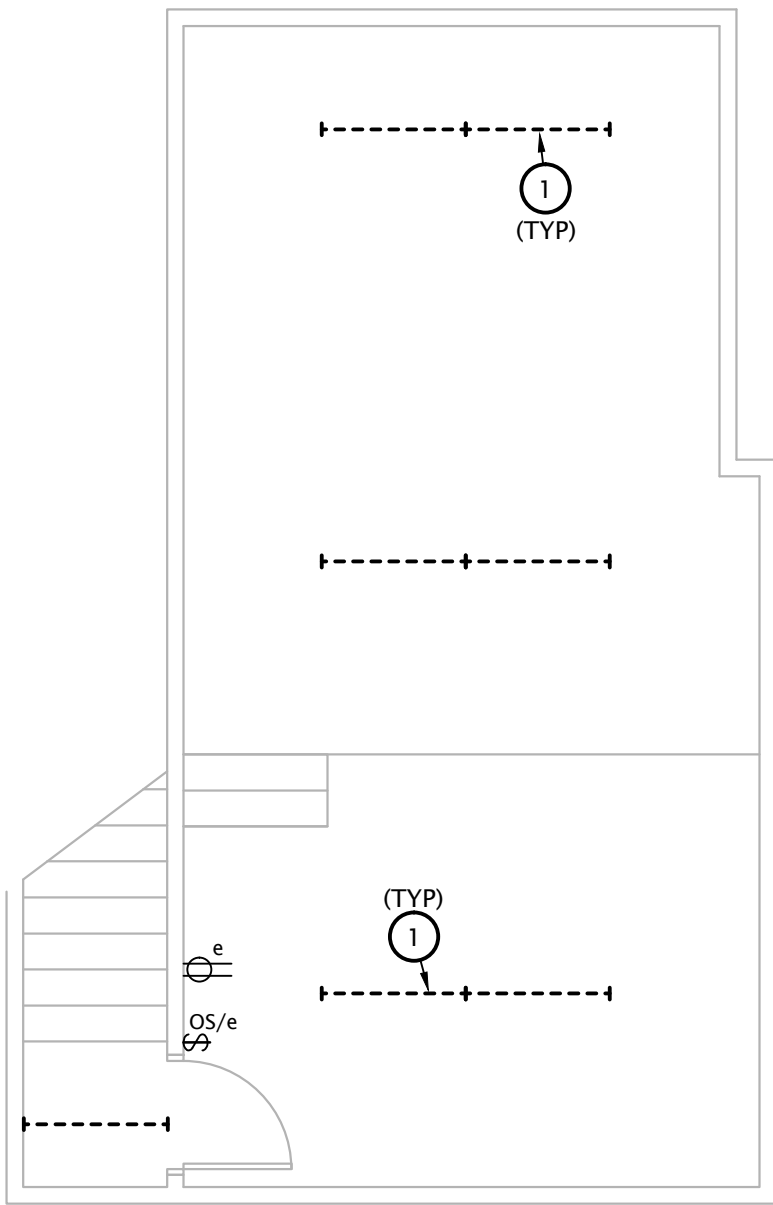
1. REMOVE ALL NM, BX, MC, AC AND OTHER CABLE SYSTEMS AND WIRING FOR ALL ABANDONED CIRCUITS.
2. REMOVE ALL ABANDONED CONDUITS ABOVE LAY-IN CEILINGS, EXPOSED CONDUITS, FLEXIBLE CONDUITS, SURFACE RACEWAY, SURFACE MOUNTED OUTLET/JUNCTION BOXES AND EQUIPMENT UNLESS NOTED OTHERWISE.
3. WHERE ABANDONED FEEDERS AND BRANCH CIRCUITS ARE CONCEALED WITHIN WALLS, FLOORS AND HARD CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND CAP CONDUITS AT BOTH ENDS.
4. WHERE ABANDONED OUTLET AND JUNCTION BOXES ARE RECESSED FLUSH IN WALLS, FLOORS AND HARD CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND WIRING DEVICES AND PROVIDE BLANK STAINLESS STEEL COVERPLATES FOR BOXES 6"x6" AND SMALLER. REMOVE BOXES LARGER THAN 6"x6" AND PATCH SURFACE TO MATCH EXISTING. COORDINATE WITH ARCHITECT FOR FINAL DIRECTION.
5. ALL EQUIPMENT, FIXTURES, RACEWAY, WIRING AND DEVICES WHICH ARE REMOVED SHALL BE REMOVED FROM THE JOB SITE BY THIS CONTRACTOR, UNLESS DIRECTED OTHERWISE BY THE ARCHITECT OR OWNER'S REPRESENTATIVE. CONFORM TO ALL LAWS AND ORDINANCES IN EFFECT CONCERNING THE PROPER DISPOSAL OF LUMINAIRES AND LAMPS.
6. COORDINATE THE REMOVAL OF MECHANICAL AND PLUMBING EQUIPMENT WITH THE MECHANICAL AND PLUMBING CONTRACTORS. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ELECTRICAL POWER AND CONTROL CIRCUITS FOR EQUIPMENT BEING REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH DEMOLISHED MECHANICAL AND PLUMBING EQUIPMENT (DISCONNECT SWITCHES, MOTOR STARTERS, RELAYS, ETC).
7. SCOPE OF DEMOLITION IS APPROXIMATE, INFORMATION CONVEYED ON THIS DRAWING IS BASED ON EXISTING BUILDING DRAWINGS AND CASUAL FIELD OBSERVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILED DETERMINING EXACT SCOPE OF DEMOLITION AND COORDINATION WITH THE ARCHITECT AND OWNER.

MECHANICAL DEMO SYMBOLS

- HVAC EQUIPMENT TO BE DEMOLISHED
- SQUARE SUPPLY DIFFUSER TO BE DEMOLISHED
- SQUARE RETURN DIFFUSER TO BE DEMOLISHED
- DUCTWORK TO BE DEMOLISHED
- CONDENSATE PIPING TO BE DEMOLISHED
- PIPING TO BE DEMOLISHED
- THERMOSTAT TO BE DEMOLISHED
- DUCTWORK TO REMAIN
- DRAIN PIPING TO REMAIN

ELECTRICAL DEMOLITION SYMBOLS

- LIGHT FIXTURE TO BE REMOVED
- WALL SWITCH TO BE REMOVED
- EXISTING DUPLEX RECEPTACLE TO REMAIN
- DUPLEX RECEPTACLE TO BE REMOVED
- EXISTING TELECOM OUTLET TO REMAIN
- TELECOM OUTLET TO BE REMOVED
- PA SPEAKER TO BE REMOVED
- FIRE ALARM SYSTEM NOTIFICATION HORN/STROBE
- FIRE ALARM SYSTEM SMOKE DETECTOR



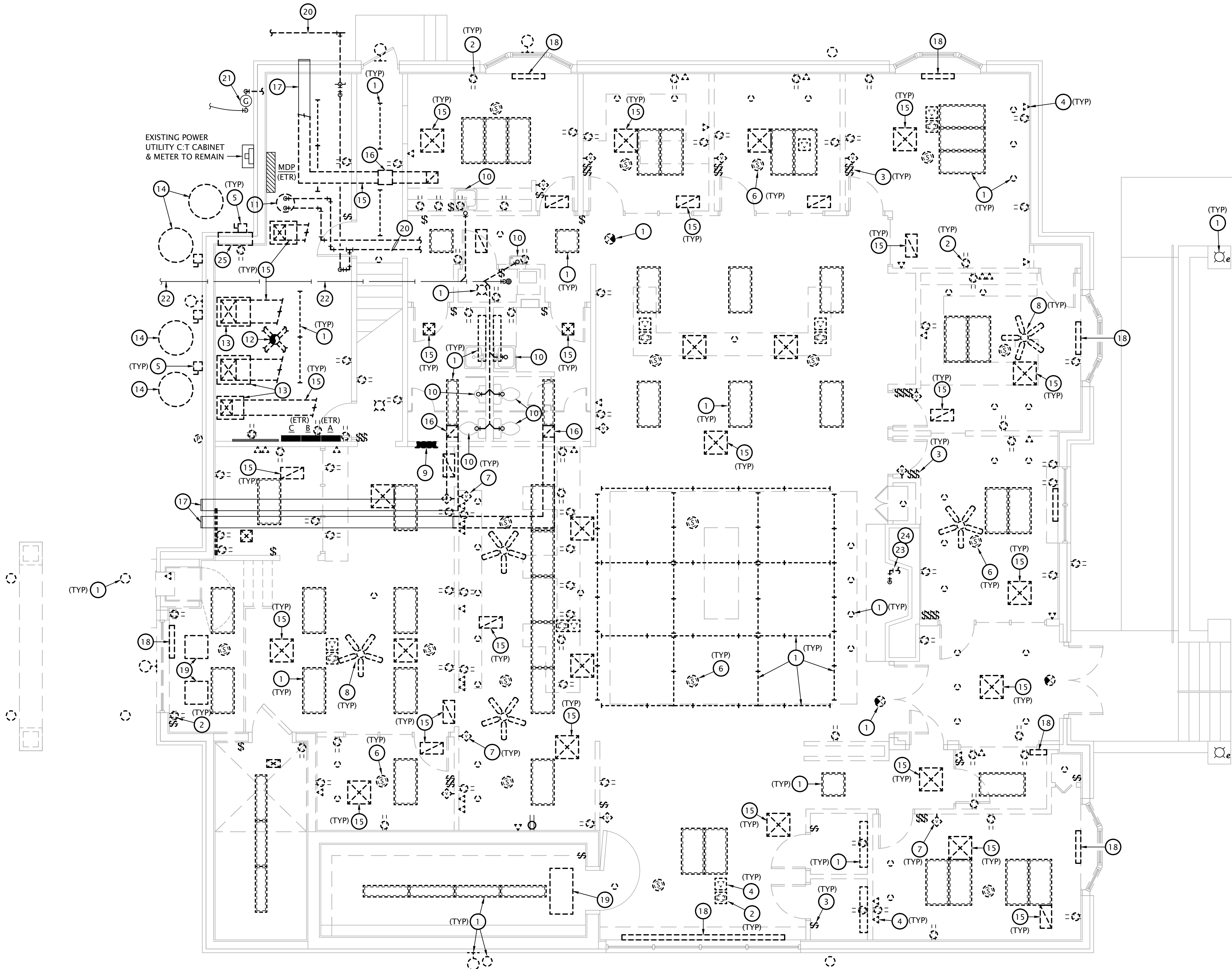
2 MEZZANINE M/E DEMO PLAN
3/16" = 1'-0"

GENERAL ELECTRICAL DEMOLITION NOTES

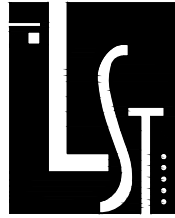
1. REMOVE ALL NM, BX, MC, AC AND OTHER CABLE SYSTEMS AND WIRING FOR ALL ABANDONED CIRCUITS.
2. REMOVE ALL ABANDONED CONDUITS ABOVE LAY-IN CEILINGS, EXPOSED CONDUITS, FLEXIBLE CONDUITS, SURFACE RACEWAY, SURFACE MOUNTED OUTLET/JUNCTION BOXES AND EQUIPMENT UNLESS NOTED OTHERWISE.
3. WHERE ABANDONED FEEDERS AND BRANCH CIRCUITS ARE CONCEALED WITHIN WALLS, FLOORS AND HARD CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND CAP CONDUITS AT BOTH ENDS.
4. WHERE ABANDONED OUTLET AND JUNCTION BOXES ARE RECESSED FLUSH IN WALLS, FLOORS AND HARD CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND WIRING DEVICES AND PROVIDE BLANK STAINLESS STEEL COVERPLATES FOR BOXES 6"x6" AND SMALLER. REMOVE BOXES LARGER THAN 6"x6" AND PATCH SURFACE TO MATCH EXISTING. COORDINATE WITH ARCHITECT FOR FINAL DIRECTION.
5. ALL EQUIPMENT, FIXTURES, RACEWAY, WIRING AND DEVICES WHICH ARE REMOVED SHALL BE REMOVED FROM THE JOB SITE BY THIS CONTRACTOR, UNLESS DIRECTED OTHERWISE BY THE ARCHITECT OR OWNER'S REPRESENTATIVE. CONFORM TO ALL LAWS AND ORDINANCES IN EFFECT CONCERNING THE PROPER DISPOSAL OF LUMINAIRES AND LAMPS.
6. COORDINATE THE REMOVAL OF MECHANICAL AND PLUMBING EQUIPMENT WITH THE MECHANICAL AND PLUMBING CONTRACTORS. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ELECTRICAL POWER AND CONTROL CIRCUITS FOR EQUIPMENT BEING REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH DEMOLISHED MECHANICAL AND PLUMBING EQUIPMENT (DISCONNECT SWITCHES, MOTOR STARTERS, RELAYS, ETC).

4 M/E DEMOLITION PLAN NOTES BY SYMBOL

1. REMOVE LIGHT FIXTURE AND ASSOCIATED CIRCUITRY.
2. REMOVE RECEPTACLE AND ASSOCIATED CIRCUITRY.
3. REMOVE LIGHT SWITCH AND ASSOCIATED CIRCUITRY.
4. REMOVE TELECOM/SECURITY OUTLET AND ASSOCIATED CABLING.
5. REMOVE DISCONNECT SWITCH AND ASSOCIATED CIRCUITRY.
6. REMOVE AUDIO SYSTEM SPEAKER AND ASSOCIATED CABLING.
7. REMOVE AUDIO SYSTEM VOLUME CONTROL STATION AND ASSOCIATED CABLING.
8. REMOVE CEILING FAN AND ASSOCIATED CIRCUITRY.
9. REMOVE PANELBOARD AND ASSOCIATED FEEDER AND BRANCH CIRCUITS.
10. REMOVE EXISTING PLUMBING FIXTURE AND ALL ASSOCIATED INSTALLATION.
11. REMOVE EXISTING HOT WATER HEATER, EXISTING HOT WATER PIPING AND ALL ASSOCIATED MECHANICAL INSTALLATION.
12. REMOVE EXISTING FLUE PIPING AND TERMINATION AT ROOF. COORDINATE PATCHING OF ROOF WITH ARCHITECT AND G.C.
13. REMOVE EXISTING FURNACE AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION.
14. REMOVE EXISTING CONDENSING UNIT AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION.
15. REMOVE ALL EXISTING AIR DEVICES AND SUPPLY AND RETURN DUCTWORK AND ASSOCIATED INSTALLATION.
16. REMOVE EXISTING EXHAUST FAN AND ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION.
17. EXISTING EXHAUST DUCT AND RELIEF LOUVER TO REMAIN FOR RE-USE. SEE NEW WORK PLANS FOR ADDITIONAL INFO.
18. REMOVE EXISTING ELECTRIC BASEBOARD HEATER AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION.
19. REMOVE EXISTING RADIANT CEILING HEATER AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION.
20. REMOVE ALL EXISTING DOMESTIC WATER PIPING AND ASSOCIATED INSTALLATION. SEE NEW WORK PLANS FOR INFO ON NEW WATER SERVICE.
21. EXISTING GAS METER AND REGULATOR TO REMAIN. REMOVE ALL GAS PIPING TAKEN OUT OF SERVICE BACK TO EXISTING METER AND REGULATOR.
22. EXISTING 4" DRAIN TO REMAIN. FIELD VERIFY EXACT SIZE AND LOCATION. SCOPE EXISTING DRAIN WITH CAMERA TO DETERMINE CONDITION PRIOR TO RE-USE.
23. REMOVE GAS PIPING TO FIRE PLACE TAKEN OUT OF SERVICE AND ABANDONED IN PLACE. CAP FLUE WEATHERTIGHT AT ROOF COORDINATE WITH ARCHITECT AND G.C.
24. ALTERNATE 1: REMOVE GAS PIPING, FLUE PIPING AND ALL ASSOCIATED MECHANICAL INSTALLATION FOR FIRE PLACE TO BE REMOVED. COORDINATE WITH ARCHITECT AND G.C.
25. REMOVE EXISTING INTAKE LOUVER, COORDINATE PATCHING OF WALL WITH ARCHITECT AND G.C.



1 M/E DEMO PLAN
3/16" = 1'-0"



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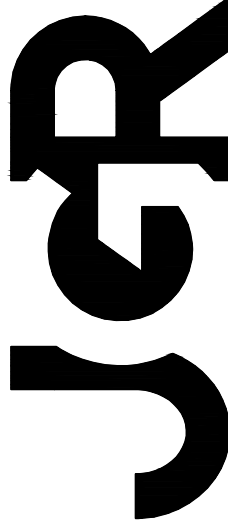
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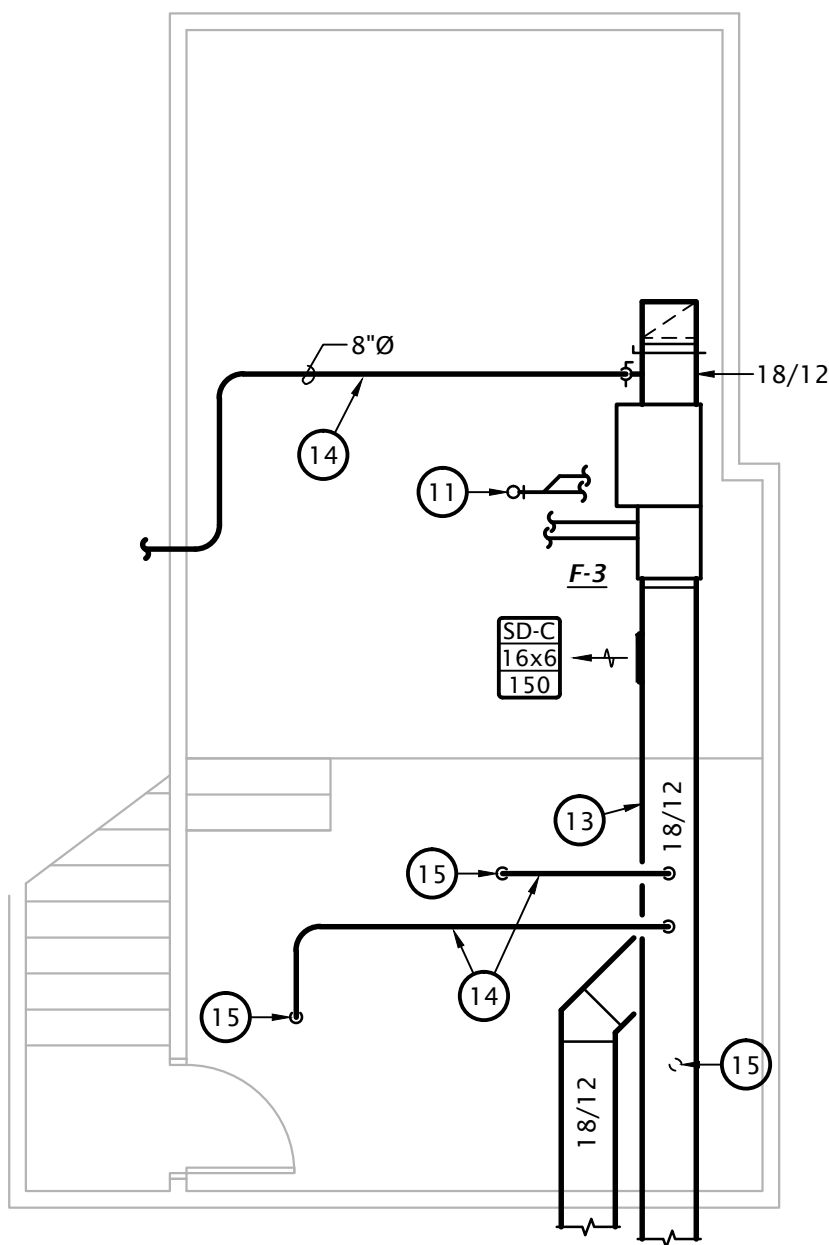
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MECHANICAL SYMBOLS

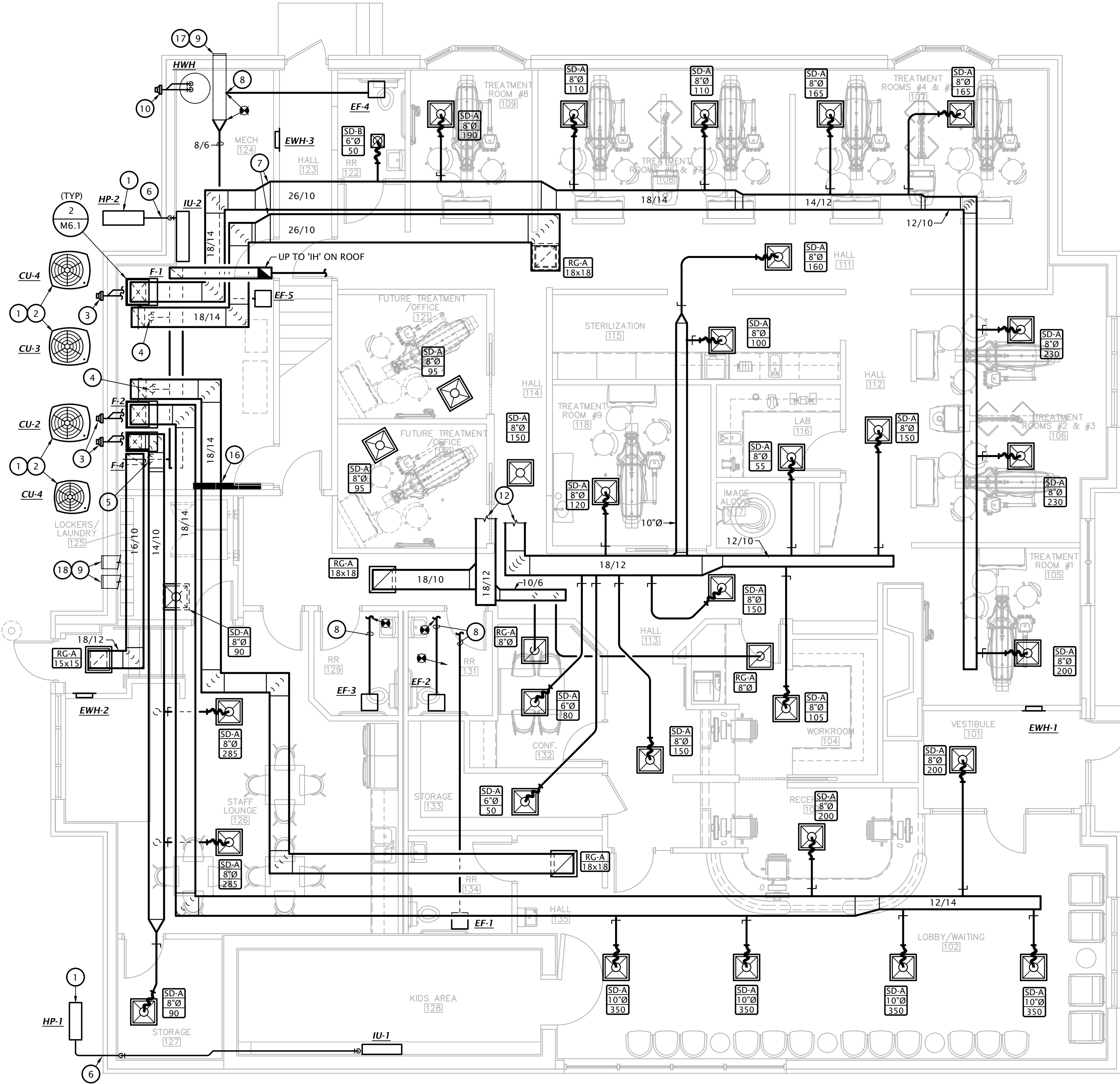
①	THERMOSTAT	⊕	PIPE TURNING UP
②	TEMPERATURE SENSOR	⊖	PIPE TURNING DOWN
③	HUMIDISTAT	⌋	90° ELBOW
⌋	CONTROL CABLE, VERIFY TYPE WITH EQUIPMENT MANUFACTURER	⌋	45° ELBOW
⊠	SQUARE SUPPLY DIFFUSER - TYPE AND AIRFLOW INDICATED	⌋	TEE
⊠	SQUARE RETURN GRILLE - TYPE INDICATED	⌋	TEE UP
⊠	WALL DIFFUSER	⌋	TEE DOWN
⊠	GRILLE/DIFFUSER TAG	—	SANITARY DRAIN BELOW GRADE
⊠	TOP: DEVICE TAG (SEE SCHEDULE)	—	SANITARY DRAIN ABOVE GRADE
⊠	MIDDLE: NECK SIZE	----	SANITARY VENT
⊠	BOTTOM: AIRFLOW	— · —	DOMESTIC COLD WATER
⌋	MANUAL BALANCING DAMPER	— · ·	DOMESTIC HOT WATER
⌋	RECTANGULAR RETURN OR RELIEF AIR DUCT UP	— · · ·	DOMESTIC HOT WATER RECIRC
⌋	RECTANGULAR RETURN OR RELIEF AIR DUCT UP	— W	WATER SERVICE PIPING
⌋	RECTANGULAR SUPPLY AIR DUCT UP	— G	NATURAL GAS
⌋	RECTANGULAR SUPPLY AIR DUCT DOWN	— A	COMPRESSED AIR
⌋	RECTANGULAR RETURN OR EXHAUST AIR DUCT DOWN	— V	VACUUM LINE
⊙	ROUND DUCT UP	⌋	UNION
⊙	ROUND DUCT DOWN	⌋	BALL VALVE
⌋	FLEXIBLE DUCTWORK - MAX 5'	⌋	GAS COCK
⌋	RIGID DUCT RUNOUT	⌋	NATURAL GAS REGULATOR
⌋	90° ELBOW WITH TURNING VANES	⌋	CONNECT TO EXISTING

MEZZANINE MECHANICAL PLAN
3/16" = 1'-0"

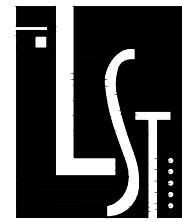


MECHANICAL PLAN NOTES BY SYMBOL

- MOUNT CONDENSING UNIT/HEAT PUMP ON EXISTING CONCRETE PAD. WHERE EXISTING CONCRETE PAD IS NOT ADEQUATE PROVIDE 3-1/2" CONCRETE PAD. PAD SHALL EXTEND 6" BEYOND BASE OF UNIT IN ALL DIRECTIONS. COORDINATE WITH G.C.
- ROUTE REFRIGERANT PIPING BETWEEN CONDENSING UNIT AND CORRESPONDING EVAPORATOR COIL. PENETRATE EXTERIOR WALL 18" AFF. UTILIZE MANUFACTURED WALL PENETRATION EQUAL TO AIREX "TITAN OUTLET".
- ROUTE FURNACE PVC VENT/INTAKE PIPING FROM FURNACE TO MANUFACTURER'S CONCENTRIC WALL TERMINATION KIT.
- CONNECT 8" OUTDOOR AIR DUCT TO RETURN AIR DUCT. PROVIDE BALANCING DAMPER, SEE M6.1 FOR MORE INFORMATION.
- CONNECT 6" OUTDOOR AIR DUCT TO RETURN AIR DUCT. PROVIDE BALANCING DAMPER, SEE M6.1 FOR MORE INFORMATION.
- ROUTE REFRIGERANT PIPING BETWEEN CONDENSING UNIT AND CORRESPONDING INDOOR UNIT. PENETRATE EXTERIOR WALL 18" AFF. UTILIZE MANUFACTURED WALL PENETRATION EQUAL TO AIREX "TITAN OUTLET".
- TRANSITION DUCT TO TO FIT BETWEEN 2ND FLOOR AND FIRST FLOOR CEILING.
- EXTEND 6"Ø EXHAUST DUCTS TO AND CONNECT TO EXISTING EXHAUST DUCT/LOUVER. FIELD VERIFY EXACT LOCATION OF EXISTING.
- EXISTING EXHAUST DUCT AND LOUVER TO BE RE-USED. FIELD VERIFY EXISTING DUCT HAS WORKING BACKDRAFT DAMPER, PROVIDE NEW IF NEEDED. REMOVE EXISTING PORTIONS OF EXHAUST DUCT NO LONGER IN SERVICE. CAP AND SEAL EXISTING DUCT AS REQUIRED.
- ROUTE WATER HEATER PVC VENT/INTAKE PIPING FROM UNIT TO MANUFACTURER'S CONCENTRIC WALL TERMINATION KIT.
- ROUTE PVC VENT/INTAKE PIPING FROM FURNACE TO MANUFACTURER'S CONCENTRIC ROOF TERMINATION KIT.
- SEE MEZZANINE PLAN FOR CONTINUATION.
- ROUTE RETURN DUCT STACKED BELOW SUPPLY DUCT.
- ROUTE BRANCH DUCTS AS HIGH AS POSSIBLE ACROSS MEZZANINE.
- ROUTE 8" RUNOUT DOWN THROUGH FLOOR OF MEZZANINE TO AIR DEVICE BELOW. FIELD COORDINATE EXACT LOCATION WITH OTHER TRADES AND EXISTING CONSTRUCTION.
- ROUTE DUCTWORK AS HIGH AS POSSIBLE AND MAINTAIN 6'-0" MIN CLEAR DEDICATED ELECTRICAL SPACE ABOVE PANELS.
- ALTERNATE #4: PROVIDE NEW 18"Wx12"H EXHAUST LOUVER EQUAL TO GREENHECK MODEL ESD-435 WITH BIRDSCREEN AT WALL IN NEW TRIM BAND. MODIFY EXISTING EXHAUST DUCTWORK AS REQUIRED TO TRANSITION TO NEW LOUVER. FIELD VERIFY EXACT REQUIREMENTS AND COORDINATE WITH G.C. COORDINATE EXACT COLOR WITH ARCHITECT.
- ALTERNATE #4: PROVIDE NEW 12"Wx12"H EXHAUST LOUVER EQUAL TO GREENHECK MODEL ESD-435 WITH BIRDSCREEN AT WALL IN NEW TRIM BAND. MODIFY EXISTING EXHAUST DUCTWORK AS REQUIRED TO TRANSITION TO NEW LOUVER. FIELD VERIFY EXACT REQUIREMENTS AND COORDINATE WITH G.C. COORDINATE EXACT COLOR WITH ARCHITECT.



MECHANICAL PLAN
3/16" = 1'-0"



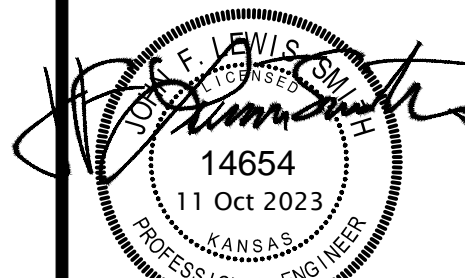
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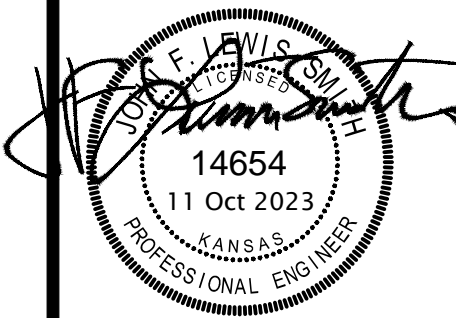
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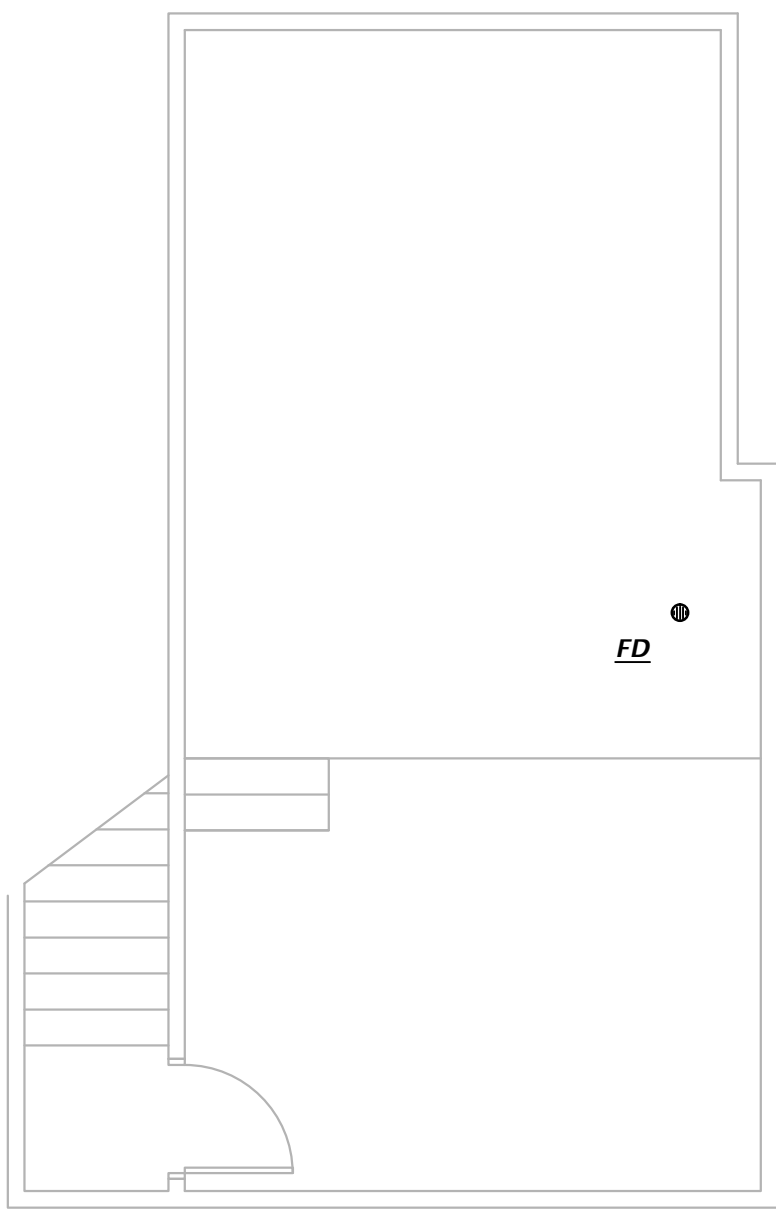
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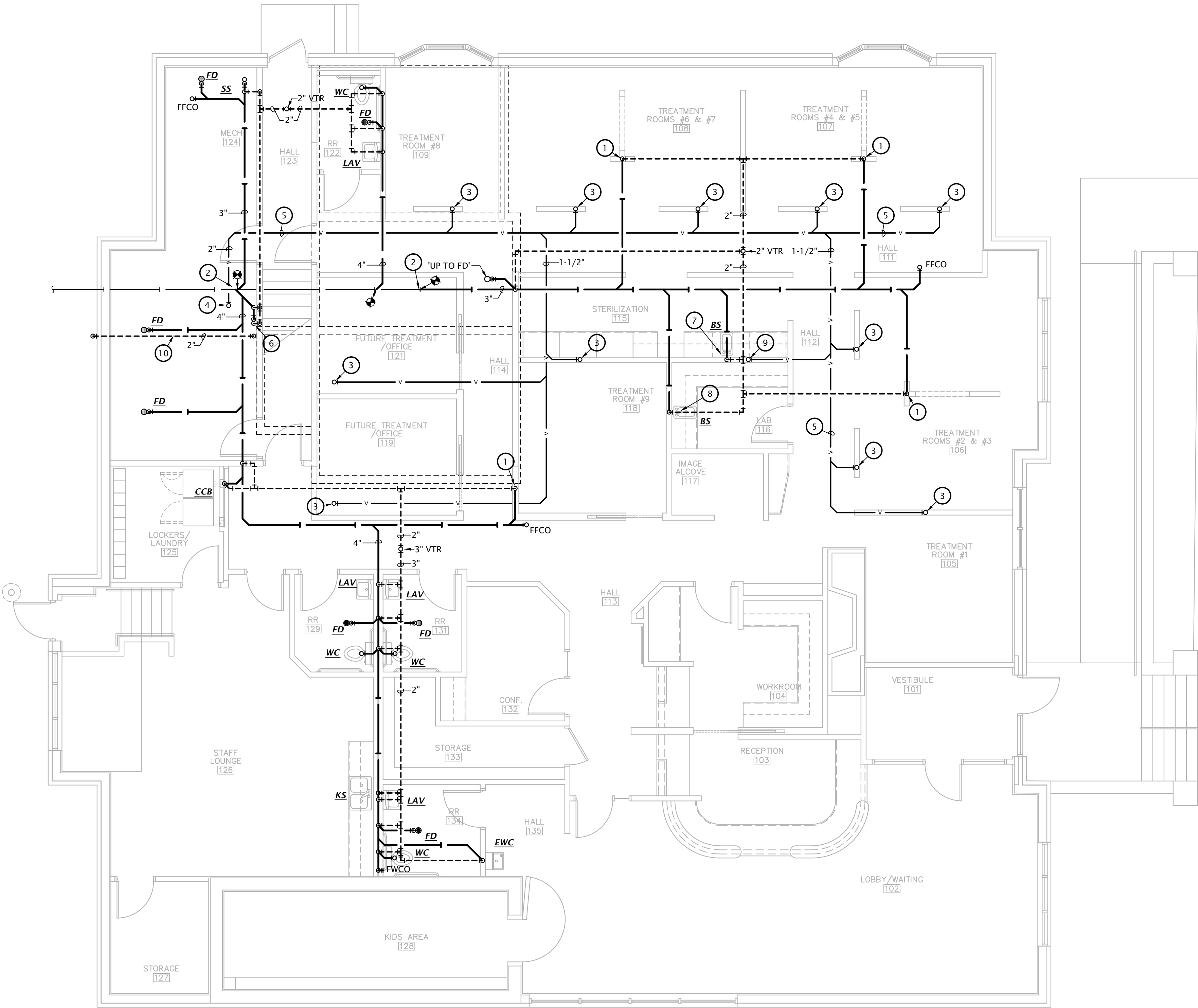
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PLAN NOTES BY SYMBOL

1. PROVIDE 2" DRAIN AND 1-1/2" VENT FOR SINK PROVIDED BY DENTAL EQUIPMENT SUPPLIER AND INSTALLED BY PLUMBING CONTRACTOR. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER.
2. CONNECT TO EXISTING 4" SANITARY DRAIN. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING. SCOPE EXISTING PIPING WITH CAMERA TO VERIFY CONDITION.
3. ROUTE VACUUM PIPING TO UTILITY CENTER. PROVIDE 5/8" RISER TERMINATED 2" A.F.F. COORDINATE EXACT ROUGH-IN LOCATION AND INSTALLATION REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER. COORDINATE FLOOR CUTTING AND PATCHING WITH G.C.
4. VACUUM LINE UP TO VACUUM PUMP. CONNECT TO VACUUM PUMP AND COORDINATE EXACT REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER.
5. ROUTE VACUUM PIPING BELOW GRADE. SLOPE PIPING AT MIN SLOPE OF 1/4" PER 10 FT TOWARDS VACUUM PUMP. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER. COORDINATE CUTTING AND PATCHING OF EXISTING SLAB WITH ARCH AND G.C.
6. PROVIDE 1-1/2" TRAPPED DRAIN LINE FOR VACUUM PUMP. PROVIDE 1-1/2" VENT AFTER TEE FOR CONNECTION TO PUMP. COORDINATE EXACT ROUGH-IN LOCATION AND INSTALLATION REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER.
7. PROVIDE 3/4" INDIRECT CONNECTION AT TAILPIECE AT 'BS' FOR CONNECTION OF ULTRASONIC CLEANER. COORDINATE EXACT REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER.
8. PLASTER TRAP PROVIDED BY DENTAL EQUIPMENT SUPPLIER TO BE INSTALLED BY PLUMBING CONTRACTOR. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER.
9. PROVIDE 3/4" VACUUM BRANCH LINE AND TERMINATE WITH 1/2" FPT FITTING AT FINISH. COORDINATE EXACT ROUGH-IN LOCATION AND INSTALLATION REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER.
10. PROVIDE 2" VENT FROM VACUUM PUMP LOCATION ROUTED ABOVE CEILING TO EXTERIOR. TERMINATE VENT WITH ELBOW DOWN WITH INSECT SCREEN. COORDINATE EXACT INSTALLATION REQUIREMENTS AND ROUGH-IN LOCATION WITH DENTAL EQUIPMENT SUPPLIER.



2 MEZZANINE WASTE AND VENT PLAN
 3/16" = 1'-0"

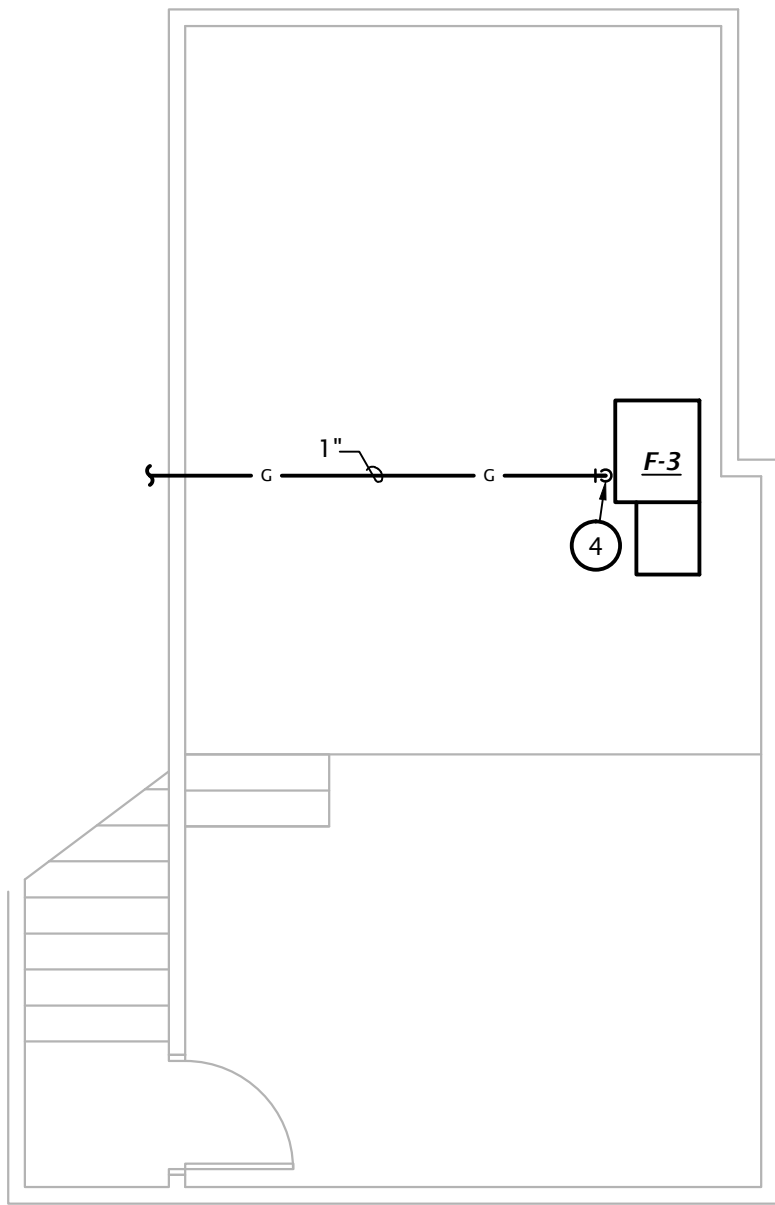


1 WASTE AND VENT PLAN
 3/16" = 1'-0"



ALTERNATE MATERIAL/SIZE		
COPPER PIPE SIZE INDICATED	Cross-linked polyethylene (PEX)	Polypropylene (PP)
	1/2"	3/4"
	3/4"	1"
	1"	1-1/4"
	1-1/4"	1-1/2"
	1-1/2"	2"
	2"	2-1/2"
	2-1/2"	3"
	3"	3-1/2"
Note: Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.		

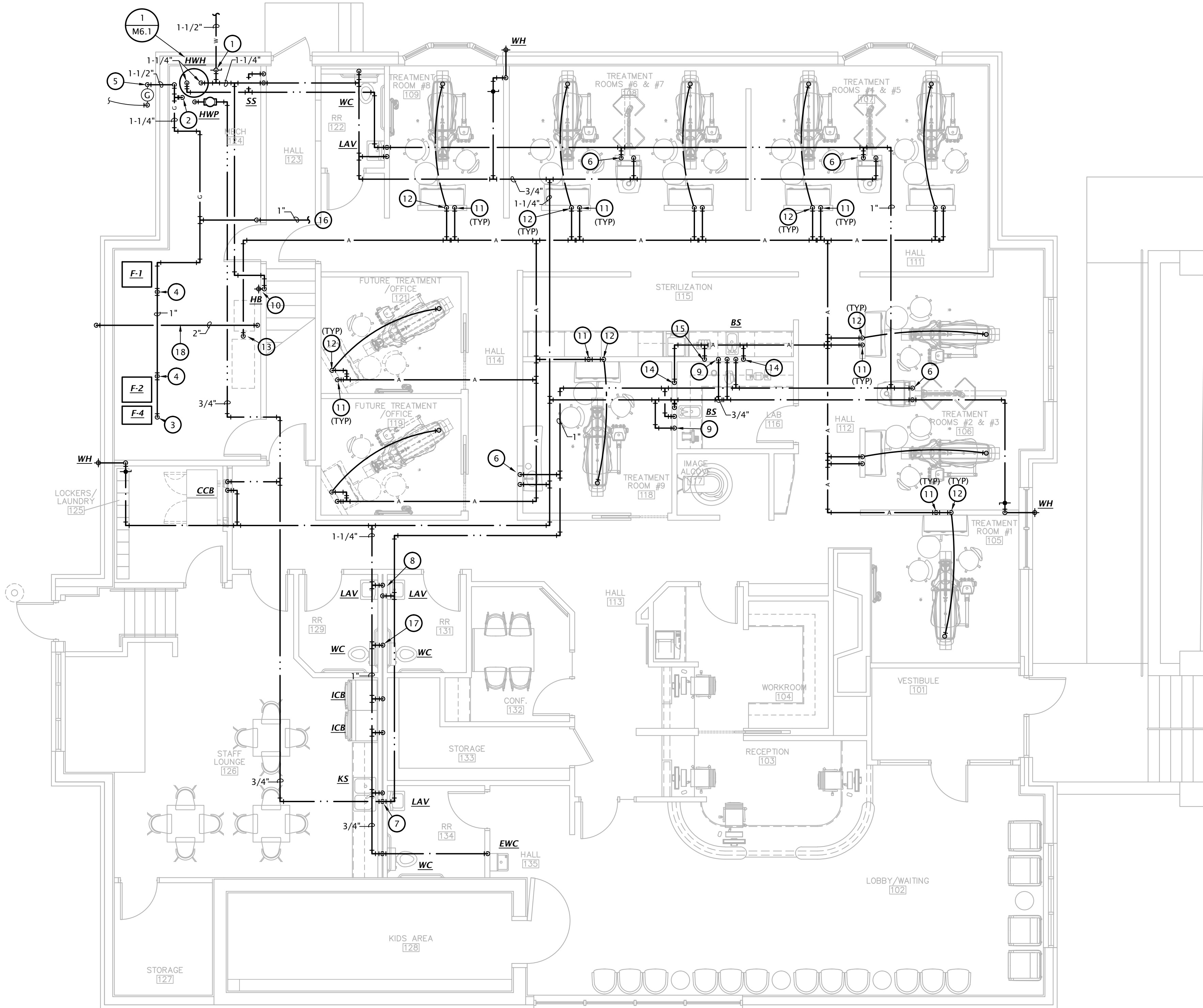
NOTE: DO NOT ROUTE PIPING IN ATTIC. PIPING SHALL BE ROUTED IN PLENUM ABOVE CEILING BUT BELOW VENTILATED ATTIC.



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

PLAN NOTES BY SYMBOL

1. PROVIDE SHUT OFF VALVE IN WATER SERVICE RISER. PROVIDE PRESSURE REDUCING VALVE SET TO 80 PSI IF REQUIRED, COORDINATE REQUIREMENTS WITH CITY OF ROSSVILLE.
2. CONNECT 3/4" GAS TO WATER HEATER, PROVIDE GAS COCK, UNION AND DIRT LEG.
3. CONNECT 3/4" GAS TO FURNACE, PROVIDE GAS COCK, UNION AND DIRT LEG.
4. CONNECT 1" GAS TO FURNACE, PROVIDE GAS COCK, UNION AND DIRT LEG.
5. CONNECT 1-1/2" GAS TO DISCHARGE OF EXISTING GAS METER AND REGULATOR PROVIDED BY GAS UTILITY. TOTAL CONNECTED LOAD = 405 CFH @ 7" W.C. COORDINATE EXACT REQUIREMENTS WITH GAS UTILITY AND PAY ALL ASSOCIATED FEES.
6. ROUTE 1/2" HW AND CW DOWN TO SINK PROVIDED BY DENTAL EQUIPMENT SUPPLIER AND INSTALLED BY PLUMBING CONTRACTOR. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER AND G.C.
7. ROUTE 3/4" CW AND HW DOWN IN WALL AND PROVIDE 1/2" CW AND HW BRANCHES TO 'LAV' AND 'KS'.
8. ROUTE 3/4" CW AND HW DOWN IN WALL AND PROVIDE 1/2" CW AND HW BRANCHES TO EACH 'LAV'.
9. PROVIDE 1/2" CW BRANCH TO DENTAL EQUIPMENT AND PROVIDE BACK-FLOW PREVENTION IF NOT INCLUDED WITH EQUIPMENT. COORDINATE EXACT ROUGH-IN LOCATION AND CONNECTION REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER.
10. VERIFY EXACT LOCATION OF HOSE BIB 'HB' WITH DENTAL EQUIPMENT PROVIDER AND G.C.
11. ROUTE 1/2" COMPRESSED AIR DOWN IN WALL TO DENTAL UTILITY CENTER AND TERMINATE WITH 3/8" ANGLE VALVE. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER.
12. ROUTE 1/2" COMPRESSED AIR DOWN IN WALL TO BELOW SLAB, TO UTILITY CENTER AT CHAIR BASE AND TERMINATE 2" A.F.F. WITH 3/8" ANGLE VALVE. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER. COORDINATE TRENCHING AND CUTTING OF SLAB WITH G.C.
13. CONNECT COMPRESSED AIR PIPING TO DENTAL AIR COMPRESSOR PROVIDED BY DENTAL EQUIPMENT SUPPLIER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER AND G.C.
14. PROVIDE 1/2" COMPRESSED AIR LINE AND STUB OUT FROM WALL 1'-2" AND TERMINATE WITH 3/8" ANGLE VALVE. COORDINATE EXACT ROUGH-IN LOCATION AND REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER.
15. PROVIDE 1/2" COMPRESSED AIR LINE AND STUB OUT 1'-2" TERMINATE WITH 1/4" ANGLE VALVE. COORDINATE EXACT ROUGH-IN LOCATION AND REQUIREMENTS WITH DENTAL EQUIPMENT SUPPLIER.
16. SEE MEZZANINE PLAN 2:M1.3 FOR CONTINUATION.
17. ROUTE 3/4" CW DOWN IN WALL AND PROVIDE 1/2" BRANCH TO EACH 'WC'.
18. PROVIDE 2" INTAKE PIPE TO AIR COMPRESSOR LOCATION ROUTED ABOVE CEILING TO EXTERIOR. TERMINATE PIPE WITH ELBOW DOWN WITH INSECT SCREEN. COORDINATE EXACT INSTALLATION REQUIREMENTS AND ROUGH-IN LOCATION WITH DENTAL EQUIPMENT SUPPLIER.



1 DOMESTIC WATER, GAS AND COMPRESSED AIR PLAN 3/16" = 1'-0"

PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER	DESCRIPTION	TRIM		ROUGH-IN SIZES				NOTES
			MANUFACTURER	DESCRIPTION	WASTE	VENT	CW	HW	
WC	KOHLER	Model 3999-0 "Highline" ADA compliant flush tank water closet, white vitreous china, two piece, 12" rough-in, elongated 16-1/2" high bowl, siphon jet flushing action, 1.28 GPF, polished chrome actuator.	KOHLER	#4650-0 Lustra white, open front, plastic seat and cover	4"	2"	1/2"	---	1
LAV	KOHLER	Model 2005-0 wall hung lavatory, white vitrous china, 18-1/4"W x 17-1/4", faucet holes on 4" centers.	KOHLER	Model 15198-4RA single handle faucet. Provide grid drain. Provide point of use tempering valve.	2"	1-1/2"	1/2"	1/2"	1,2,3,4
KS	JUST	Model DL-2233-A-GR two compartment 18 GA stainless steel sink, self rimming, 14"x16"x8"D inside, fully undercoated, faucet holes as req.	DELTA	Model 400-HDF single handle kitchen sink faucet with hose spray attachment. Chrome finish. Provide basket strainer.	2"	1-1/2"	1/2"	1/2"	2,4
BS	---	Trim only. Sink integral to countertop, coordinate with Architect.	DELTA	Model 27C4944 two handle bar sink faucet, 6" gooseneck spout, 1.5 GPM aerator, 4" blade handles, chrome finish. Provide basket strainer.	2"	1-1/2"	1/2"	1/2"	2,4
SS	FIAT	Model MSB-2424 one piece molded stone mop basin, 24" square, stainless steel integral drain body with caulk connection, stainless steel wall guards.	CHICAGO FAUCETS	Model 897-CPP faucet with hose thread outlet, vacuum breaker spout, pail hook, wall brace, integral check valves, metal lever handles.	3"	1-1/2"	3/4"	3/4"	4
EWC	ELKAY	Model EZ5TL8WSLK ADA compliant dual height, self-contained water cooler with stainless steel basin, front push bar actuator, bottler filler, lead-free cooling system capable of cooling 8.0 GPH, 120 volts.			2"	1-1/2"	1/2"	---	
CCB	WATER TITE	Model W4700 recessed washing machine box with 2"PVC/ABS drain coupling and knockout test cap. Two, 1/4 turn adaptor ball valves, sweat connection.			2"	2"	1/2"	1/2"	
ICB	WATER TITE	Model W9700 ice maker connection box with 1/4 turn ball valve and 1/2" sweat copper connection.			---	---	1/2"	---	
WH	WOODFORD	Model B67 automatic draining freezeless wall hydrant with ASSE 1052 double check backflow preventor, loose tee key handle, with recessed box with door. Provide with chrome plated exterior finish.			---	---	3/4"	---	
HB	WOODFORD	Model 24 hose bib with anit-siphon vacuum breaker, metal handle.			---	---	3/4"	---	
FD	WADE	1100 series floor drain with 6" satin nickel bronze strainer. Provide trap protection device equal to ProSet Trapguard.			2"	1-1/2"	---	---	
HWH	A.O. SMITH	Model GPD7-50, 50 gallon gas water heater, direct vent, 45,000 BTUH input, 50 GPH recovery @ 90°F temp rise. Supplied with temperature & pressure relief valve and brass drain valve. Provide with manufacturer's concentric vent kit.							
HWP	BELL & GOSSETT	Model NBF-36, three speed circulation pump, bronze body, 10 GPM @ 10' head, 120 VAC. Provide clamp-on aquastat for pump control.							

- GENERAL:
- Provide fixtures with all trim necessary for complete installation

- NOTES:
- Fixture and installation to meet requirements of Americans with Disabilities Act.
 - Provide Dearborn supplies with stops and escutcheon plate, 1-1/4" cast brass p-trap.
 - Insulate water and waste piping below lavatory. Utilize insulation kit equivalent to LavGuard by Truebro.
 - Trim shall be provided with polished chrome finish.

AIR DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL	APPLICATION				FINISH	MOUNTING	DAMPER	DESCRIPTION	NOTES
			SUPPLY	RETURN	EXHAUST	TRANSFER					
SD-A	PRICE	SCD	•				WHITE	LAY-IN	NO	24"x24" steel square louvered diffuser, neck size as indicated on plans	
SD-B	PRICE	SMD	•				WHITE	GYP	NO	12"x12" steel square louvered diffuser, with 8"Ø neck adapter	
SD-B	PRICE	520	•				WHITE	SURFACE	NO	Steel double deflection supply grille, size as indicated on plans	
RG-A	PRICE	PDDR	•				WHITE	LAY-IN	NO	24"x24" Perforated face return grille with neck size as indicated on drawings	
RG-B	PRICE	PDDR	•				WHITE	LAY-IN	NO	24"x24" Perforated face return grille with neck size as indicated on drawings	

- GENERAL NOTES:
- Provide mounting frame as required for ceiling type.
 - Maximum NC shall be 30.
 - Runouts to diffusers shall be same size as neck, U.N.O.
 - Ceiling devices shall have adjustable blow pattern, 4-way U.N.O.
 - Coordinate locations of all wall devices with Architect.

- NOTES:
- Provide with border for 9/16" slotted tee where indicated on Arch reflected ceiling plan.

ELECTRIC HEATER SCHEDULE

MARK	MANUF.	MODEL	MOUNTING	WATTS	VOLTAGE/PHASE	DESCRIPTION	NOTES
EW-1,2,3	TRANE	UHAA	WALL	1,500	120/1	Architectural fan forced wall heater	1,2,3

- NOTES:
- Provide with high temp. thermal cutout and fan delay.
 - Provide with integral thermostat and unit mounted disconnect switch.
 - Provide with recessed mounting frame.

GRAVITY ROOF HOOD SCHEDULE

MARK	MANUFACTURER	MODEL	SIZE	THROAT AREA (SF)	FINISH	SCREEN	DAMPER	SERVICE	DESCRIPTION	NOTES
IH	GREENHECK	GRS-10	10"x10" damper	0.57	GALVANIZED STEEL	BIRD	GRAVITY	INTAKE	GALVANIZED STEEL GRAVITY INTAKE HOOD	1

- NOTES:
- Provide with roof curb compatible with roof slope and construction.

SPLIT SYSTEM SCHEDULE

FURNACE				
MARK	F-1	F-2	F-3	F-4
MANUFACTURER	TRANE	TRANE	TRANE	TRANE
MODEL	S9V2D120D5PSBC	S9V2D120D5PSBC	S9V2C080U5PSBC	S9V2B040U3PSBC
CONFIGURATION	UPFLOW	UPFLOW	HORIZONTAL	UPFLOW
SUPPLY AIRFLOW (CFM)	1,800	1,800	1,600	750
O.A. AIRFLOW (CFM)	140	140	150	100
ESP ("WG)	0.7	0.7	0.7	0.7
BLOWER SPEED	MED-HIGH	MED-HIGH	MED-HIGH	MEDIUM
MOTOR HP	1	1	1	1/2
NAT. GAS INPUT (MBH)	120/78	120/78	80/52	40/26
NAT. GAS OUTPUT (MBH)	116.1/75.8	116.1/75.8	77.7/52	38.9/25.3
MCA	13.9	13.9	13.9	7.9
MOCP	15	15	15	15
VOLTAGE/PHASE	120	120	120	120

EVAPORATOR				
MODEL	4PXDU50B83	4PXDU50B83	4TXCC007D53	4TXCB003D53
ENT. AIR DB	80	80	80	80
ENT. AIR WB	67	67	67	67
NET SENS. CAPACITY (MBH)	40.6	40.6	31.5	17.2
NET TOTAL CAPACITY (MBH)	53.8	53.8	43.0	22.8

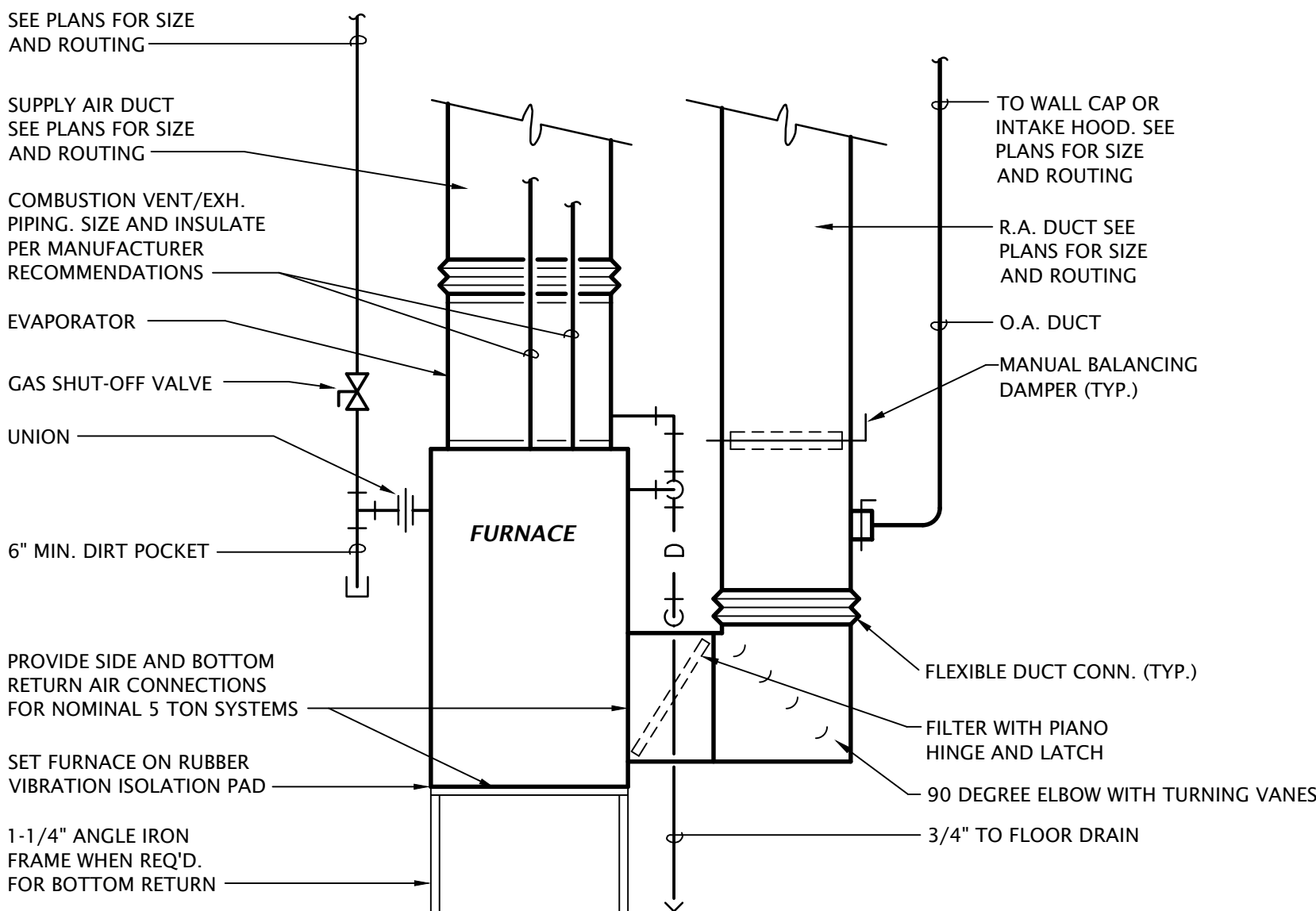
CONDENSING UNIT				
MARK	CU-1	CU-2	CU-3	CU-4
MANUFACTURER	TRANE	TRANE	TRANE	TRANE
MODEL	4TTR5060N1	4TTR6060N1	4TTR5048N1	4TTR6024N1
O.A. DB	105 F	105 F	105 F	105 F
REFRIGERANT	R410-A	R410-A	R410-A	R410-A
VOLTAGE/PHASE	208/1	208/1	208/1	208/1
MCA	28	28	24	13
MOCP	50	50	40	20

- NOTES:
- Provide refrigerant piping sized in accordance with manufacturer's recommendations for actual field installed length and routing.
 - Provide PVC intake and exhaust piping in accordance with manufacturer's recommendations. Provide with manufacturer's concentric vent termination kit.
 - Provide with 7-day programmable thermostat.
 - Provide with R140a refrigerant.

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	CFM	ESP (" wg)	POWER	VOLTS/PHASE	NOTES
EF-1,2,3,4	GREENHECK	SP-A50-90-VG	50	0.25	22.1 W	120/1	1
EF-5	GREENHECK	SP-A190	190	0.25	49.2 W	120/1	1

- NOTES:
- Provide integral disconnect.



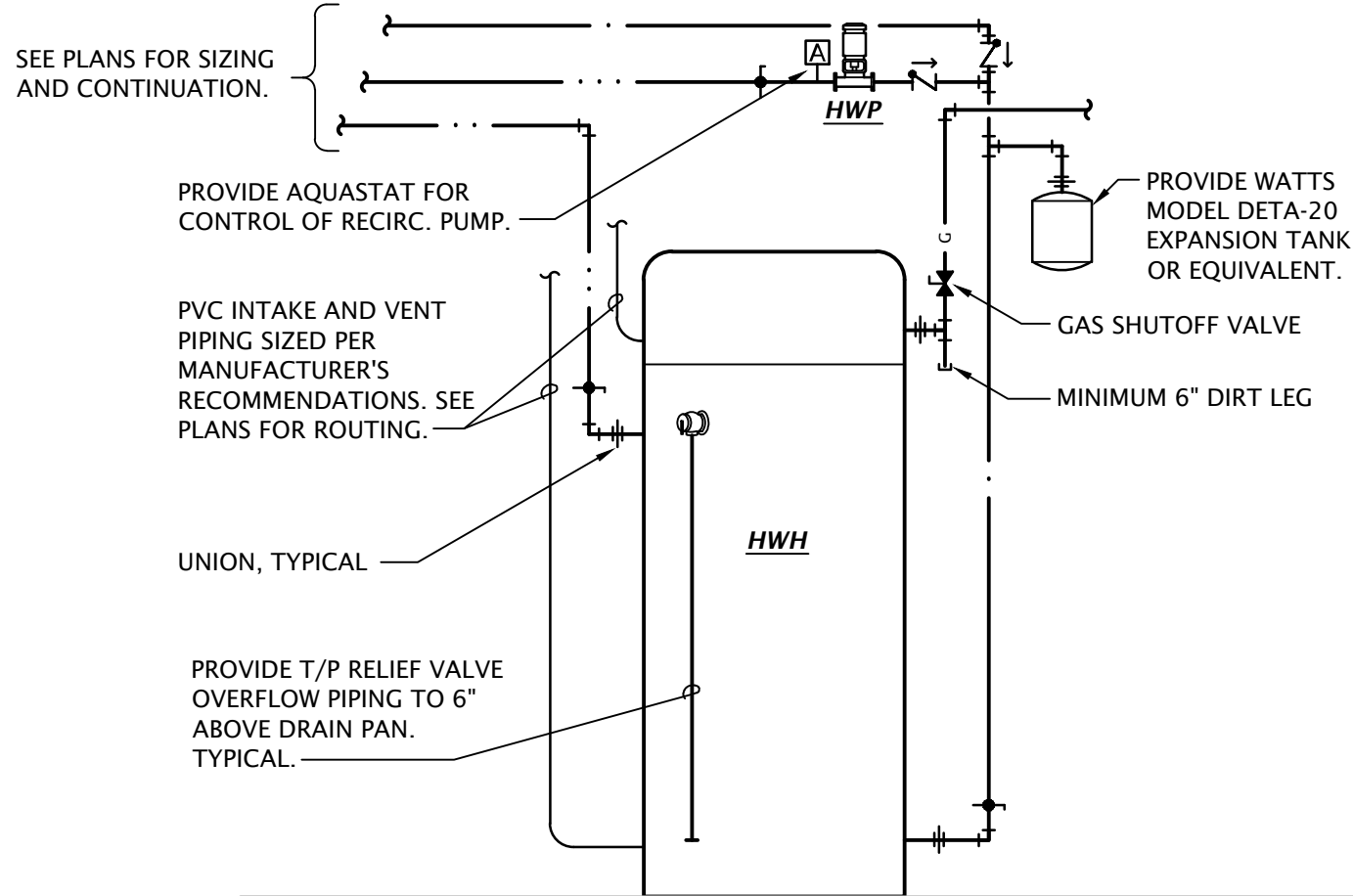
UPFLOW FURNACE DETAIL

NO SCALE

DUCTLESS SPLIT SYSTEM SCHEDULE

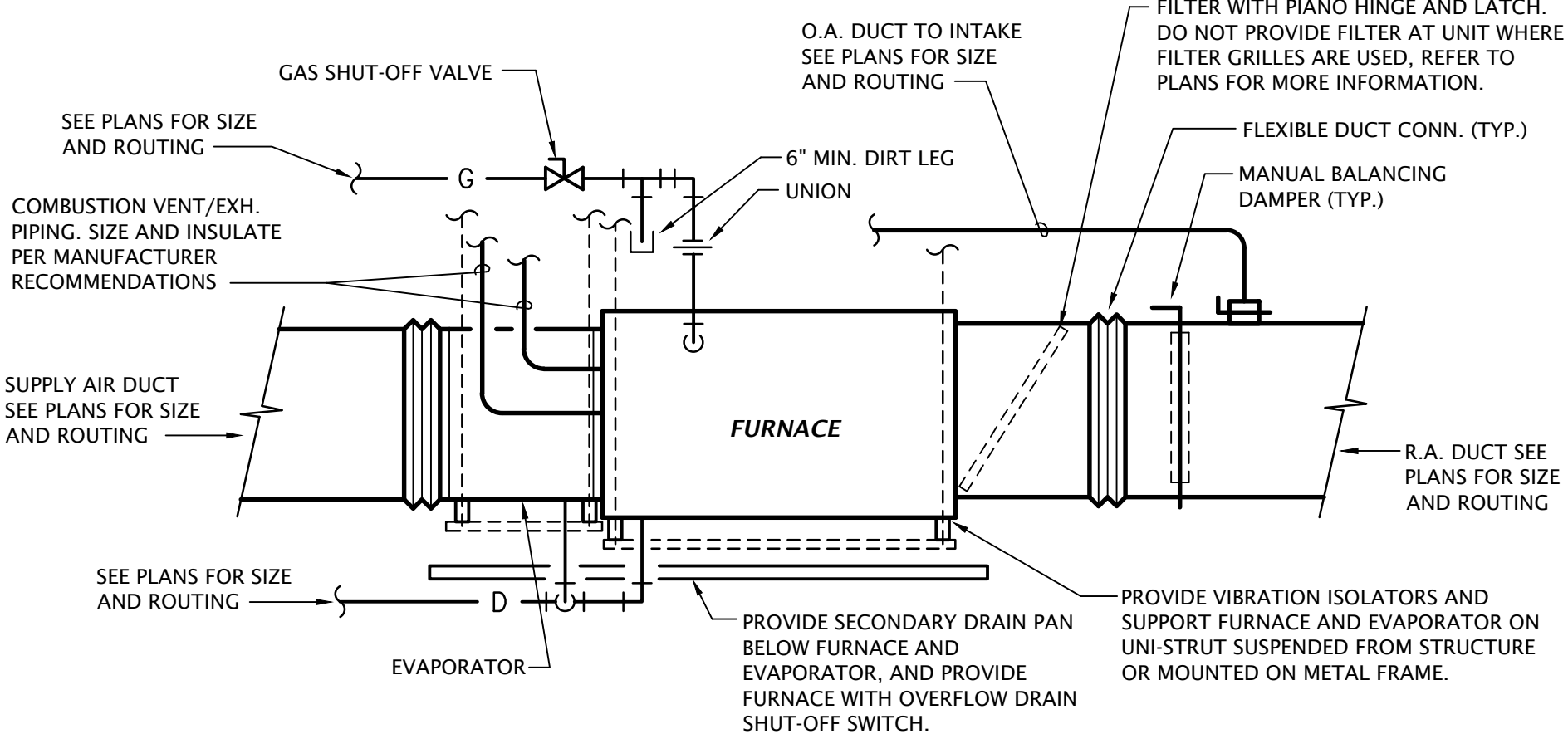
INDOOR UNIT		
MARK	IU-1	IU-2
MANUFACTURER	TRANE-MITSUBISHI	TRANE-MITSUBISHI
MODEL	NTXWPH12B112AA	TPKA0A0241KA70A
CONFIGURATION	WALL MOUNTED	WALL MOUNTED
VOLTAGE / PHASE	208/1	208/1
MCA / MOCP	NOTE #4	NOTE #4
NOMINAL COOLING CAPACITY	12,000 BTU/H	24,000 BTU/H
OUTDOOR HEAT PUMP UNIT		
MARK	HP-1	HP-2
MANUFACTURER	TRANE-MITSUBISHI	TRANE-MITSUBISHI
MODEL	NTXSPH12B112AA	TRUZA0241HA70
NOMINAL COOLING CAPACITY	12,000 BTU/H	24,000 BTU/H
VOLTAGE / PHASE	208/1	208/1
MIN. CKT. AMPS	10	19
MAX C/B SIZE	15	26
NOTES	1,2,3,4,5,6,7	1,2,3,4,5,6,7

- NOTES:
- Provide refrigerant piping sized in accordance with manufacturer's recommendations for actual field installed length and routing.
 - Provide with wired Simple MA remote controller.
 - Provide with R410-A refrigerant.
 - Indoor units are powered from outdoor unit.
 - Provide high wall mount indoor unit with manufacturer's accessory condensate lift.
 - Provide with hail guards.
 - Unit shall be capable of heating down to -13°F O.A.D.B.



WATER HEATER DIAGRAM

NO SCALE



HORIZONTAL FURNACE DETAIL

NO SCALE



REVISION:

DATE: 9-20-2023

JOB: 22-3211

SHEET NO.:

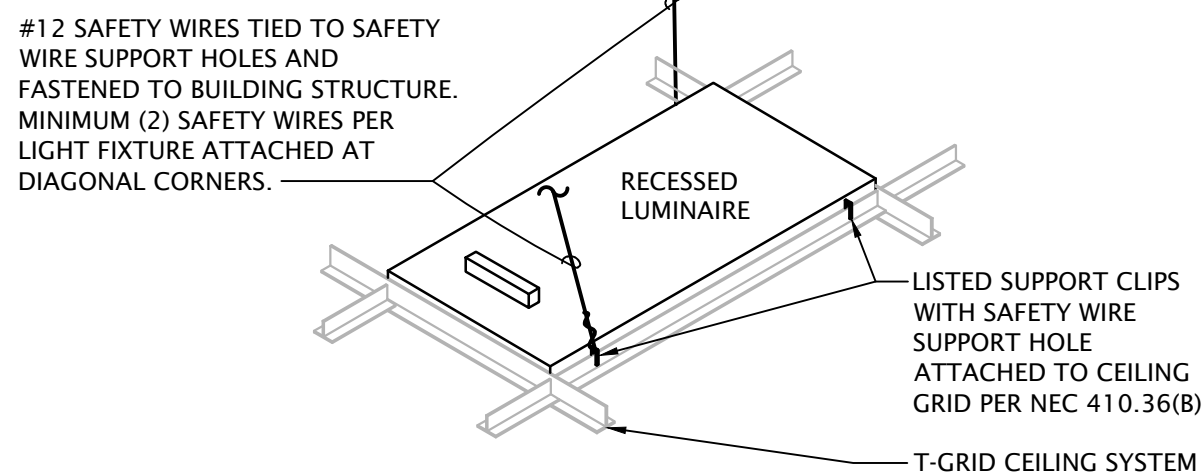
M6.1

④ LIGHTING PLAN NOTES BY SYMBOL

1. PROVIDE J-BOX WITH 120V POWER AND 6' FLEXIBLE WHIP FOR DENTAL TRACK LIGHT PROVIDED BY HENRY SCHEIN DENTAL. DRILL HOLE AND FEED WHIP THROUGH BACKING INTO TRACK LIGHT FOR FINAL CONNECTION. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1 AND 6/SED.1, AND FIELD COORDINATE WORK WITH HENRY SCHEIN REPRESENTATIVE.
2. SWITCH EXHAUST FAN WITH ROOM LIGHTS.
3. INSTALL EXTERIOR PHOTOCELL ON UNDERSIDE OF SOFFIT, FACING NORTH.
4. TIMECLOCK AND CONTACTOR FOR CONTROL OF EXTERIOR LIGHTING.
5. ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR INDICATED FOR PHOTOCELL/TIMECLOCK CONTROL.
6. EXISTING LUMINAIRE TO REMAIN. CONNECT TO NEW CIRCUIT SHOWN.
7. PROJECT ALTERNATE: ELECTRICAL WORK ASSOCIATED WITH ALL TYPE 'L' DOWNLIGHTS IN EXTERIOR SOFFIT AND TYPE 'E' EMERGENCY WALL MOUNTED LIGHTS SHALL BE PRICED SEPARATELY AS PART OF ALTERNATE #4.
8. PROJECT ALTERNATE: IF ALTERNATE #4 IS ACCEPTED, THIS LUMINAIRE SHALL BE ELIMINATED FROM THE PROJECT.
9. J-BOX ABOVE CEILING FOR FUTURE EXTERIOR BUILDING SIGN.

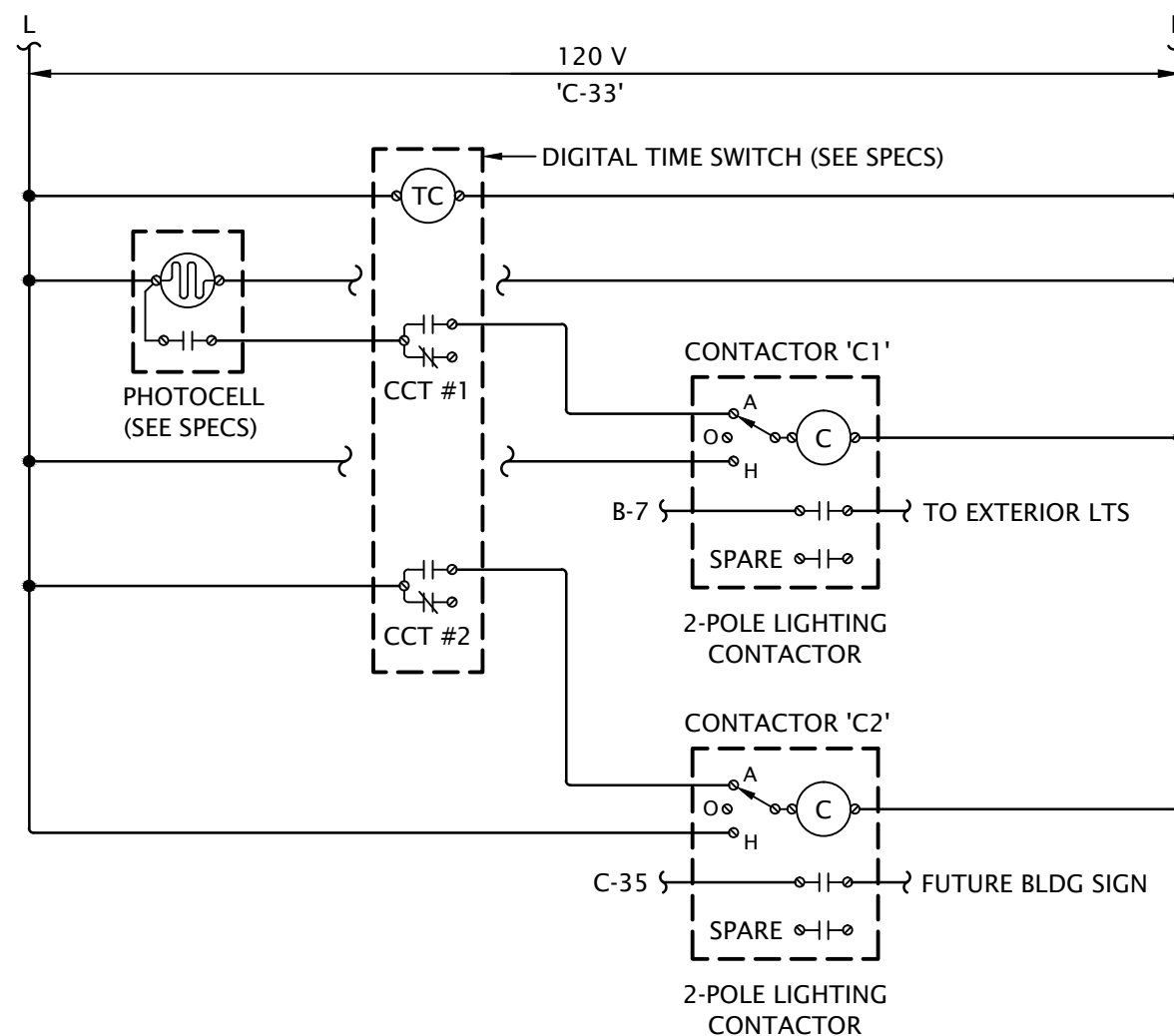
GENERAL LIGHTING NOTES

- A. THE CIRCUITING OF ALL LUMINAIRES HAS BEEN SHOWN ON THE PLANS, AND THE CONTRACTOR SHALL FOLLOW THIS CIRCUITING LAYOUT.
- B. CIRCUIT ALL EMERGENCY LIGHTS, NIGHT LIGHTS AND EXIT LIGHTS TO AN UNSWITCHED HOT CONDUCTOR, UPSTREAM OF ALL CONTROLS.
- C. WALL BOX DIMMER SWITCHES SHALL BE ELECTRO-MECHANICAL PRESET TYPE WITH SLIDER, RATED FOR 1200 VA AT 120/277 V, SUITABLE FOR 1-POLE AND 3-WAY OPERATION. DEVICES SHALL PROVIDE DIRECT DIMMING AND SWITCHING CONTROL OF 0-10 V-dc DIMMING DRIVERS WITHOUT THE USE OF AN EXTERNAL POWER PACK. LEVITON #P710-DLZ OR EQUAL. COORDINATE COLOR OF DEVICES WITH ARCHITECT, AND PROVIDE COLOR CHANGE KIT AS REQUIRED (#IPKIT-[color]).
- D. CONTROL WIRING FOR 0-10 V-dc DIMMING SIGNAL CIRCUITS SHALL BE NEC CLASS 1, ROUTED IN SAME RACEWAY/CABLE WITH LIGHTING CIRCUIT POWER CONDUCTORS. WIRING SHALL CONSIST OF (2) #16 SOLID CU THHN OR TFN CONDUCTORS. CONDUCTOR INSULATION COLOR SHALL BE VIOLET (+ V-dc) AND PINK (- V-dc). WHERE MC-CABLE IS USED FOR FINAL 6' POWER CONNECTION WHIP TO LUMINAIRE, UTILIZE "LUMINARY" TYPE MC-CABLE WITH INTEGRAL CLASS 1 CONTROL WIRING.

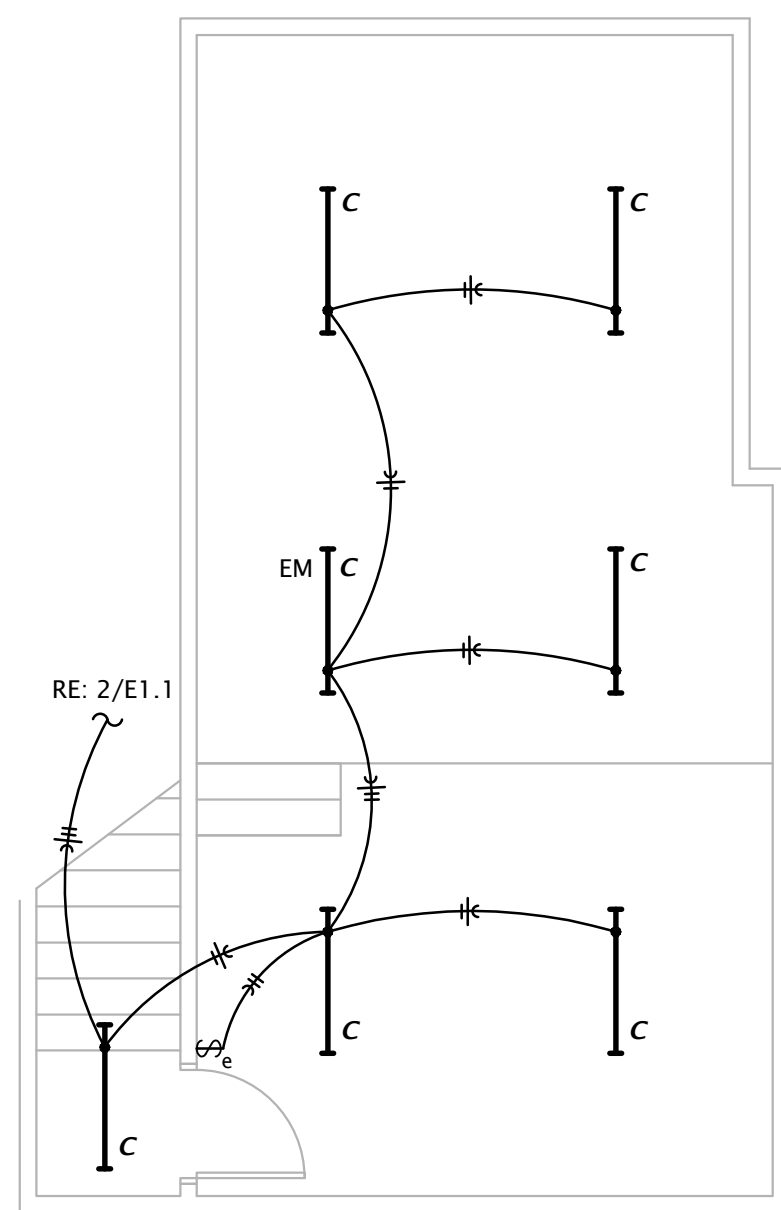


- NOTES:
1. SAFETY WIRES MAY BE SLACK BUT SHALL BE SECURED WITH A MINIMUM OF THREE TIGHT TURNS AROUND SELF.
 2. FIXTURE INSTALLATION TO COMPLY WITH ASTM C636 AND CISCA STANDARDS.

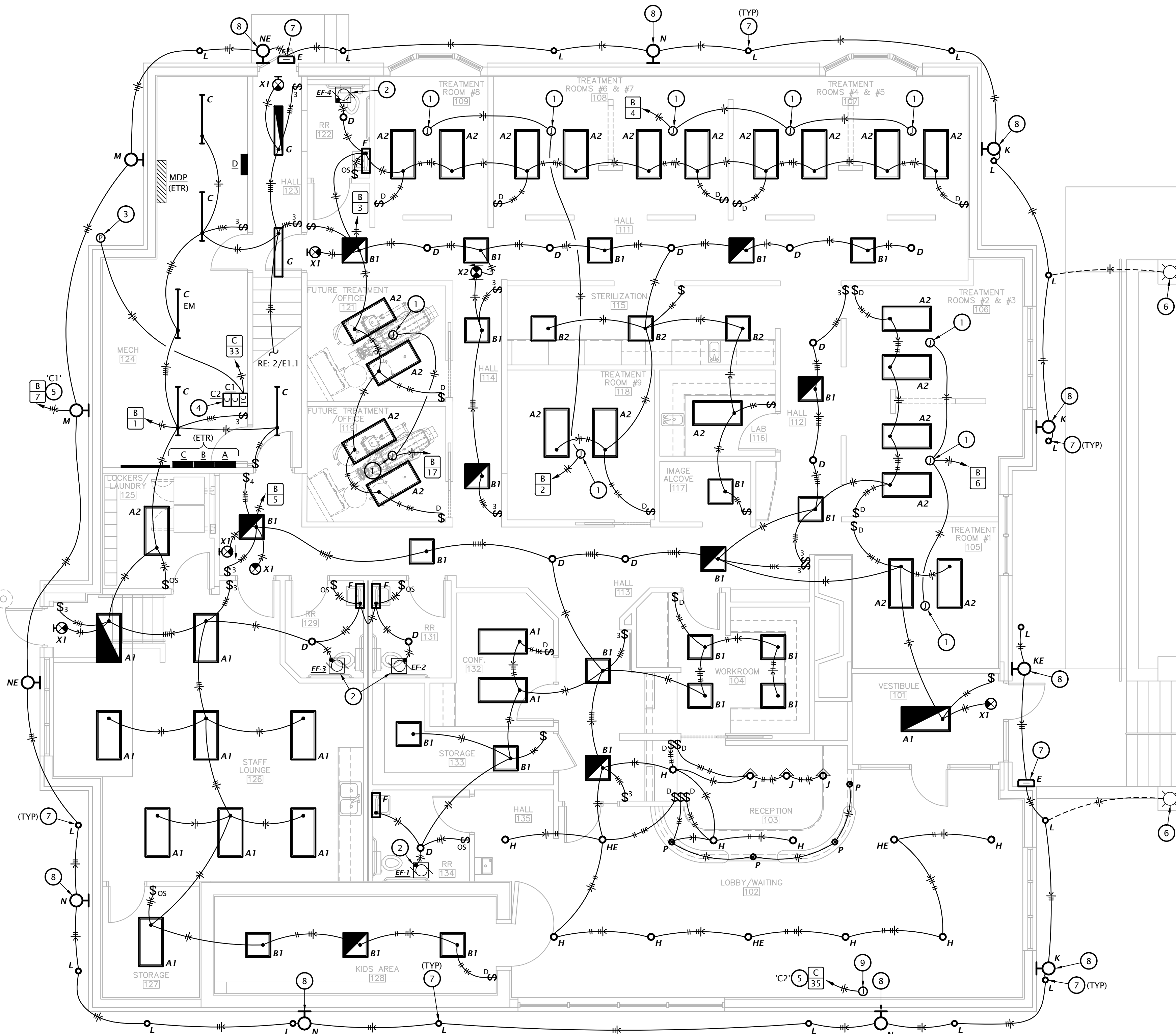
③ RECESSED LUMINAIRE SUPPORT NO SCALE



④ LIGHTING CONTROL DIAGRAM No Scale



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

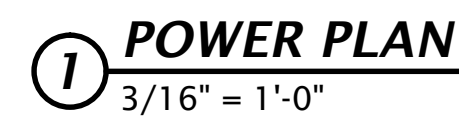


① LIGHTING PLAN 3/16" = 1'-0"

1. COORDINATE EXACT MOUNTING LOCATION OF DRINKING FOUNTAIN RECEPTACLE WITH PLUMBING CONTRACTOR. WIRE FROM LOAD SIDE OF ADJACENT GFI RECEPTACLE TO PROVIDE GFI PROTECTION FOR DRINKING FOUNTAIN RECEPTACLE.
2. MOUNT DOUBLE DUPLEX RECEPTACLE IN DENTAL CHAIR UTILITY FRAME, MAX HEIGHT 4' AFF. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1 AND 24/SED.7.
3. CEILING MOUNTING RECEPTACLE FOR MONITOR. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1 AND 39/SED.2. FIELD COORDINATE EXACT LOCATION WITH HENRY SCHEIN REPRESENTATIVE.
4. PROVIDE 2 GANG WALL BOX AT 3'-6" AFF TO CENTER OF BOX AND DEDICATED 120V/200A CIRCUIT FOR WALL MOUNTED X-RAY. PROVIDE 18' 18" FLEXIBLE POWER WHIP FOR FINAL CONNECTION TO EQUIPMENT BY HENRY SCHEIN DENTAL. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1 AND 9/SED.1. FIELD COORDINATE EXACT LOCATION WITH HENRY SCHEIN REPRESENTATIVE.
5. PROVIDE POWER FEED ON DEDICATED 120V/200A CIRCUIT FOR PASS-THRU CABINET MOUNTED X-RAY. PROVIDE 18' 18" FLEXIBLE POWER WHIP FOR FINAL CONNECTION TO EQUIPMENT ROUTED THROUGH 1-1/4" HOLE IN POST. FIELD COORDINATE MOUNTING HEIGHT WITH HENRY SCHEIN REPRESENTATIVE. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1 AND 9PT/SED.1.

6. MOUNT DOUBLE DUPLEX RECEPTACLE IN UTILITY CABINET WITH 16" FLEXIBLE CONDUIT. FIELD COORDINATE MOUNTING LOCATION WITH HENRY SCHEIN REPRESENTATIVE. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1 AND 3A/SE.1.
7. PROVIDE DEDICATED CIRCUITS FOR PANORAMIC IMAGING UNIT. VERIFY MOUNTING HEIGHT AND REQUIREMENTS WITH HENRY SCHEIN REPRESENTATIVE.
8. COORDINATE SAW-CUTTING AND PATCHING OF CONCRETE FLOOR WITH GENERAL CONTRACTOR.
9. PROVIDE (3) #12, #12G, 1/2" C BETWEEN OUTDOOR AND INDOOR A/C UNITS.
10. 30A/3P MANUAL MOTOR STARTER SNAP SWITCH (W/O OVERLOAD) IN NEMA 1 ENCLOSURE, HUBBELL #HBL1379D. INSTALL ADJACENT TO EQUIPMENT AND MAKE FINAL CONNECTION.
11. 30A/2P NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT IN 'LFMC' RACEWAY.
12. 60A/2P NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT IN 'LFMC' RACEWAY.

- A. THE CIRCUITING OF ALL DEVICES HAS BEEN SHOWN ON THE PLANS, AND THE CONTRACTOR SHALL FOLLOW THIS CIRCUITING LAYOUT .
- B. VERIFY EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT WITH THE GENERAL CONTRACTOR AND ASSOCIATED SUB CONTRACTORS. COORDINATE CONDUIT STUB-UP AND POWER CONNECTIONS PRIOR TO COMMENCING ROUGH-IN WORK. ELECTRICAL DEVICES (DISCONNECTS, RECEPTACLES, ETC.) INSTALLED ON EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE EQUIPMENT. FIELD COORDINATE EXACT DEVICE MOUNTING LOCATIONS PRIOR TO INSTALLATION.
- C. WALL MOUNTED HVAC CONTROL DEVICES (THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, CO₂ SENSORS, ETC) SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. UNLESS NOTED OTHERWISE, ELECTRICAL CONTRACTOR SHALL PROVIDE SINGLE GANG WALL BOX AT 46" AFF AND 1/2" CONDUIT STUBBED OUT TO ABOVE ACCESSIBLE CEILING WITH NYLON BUSHINGS AND PULLSTRING IN RACEWAY. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF DEVICES.



E1.2

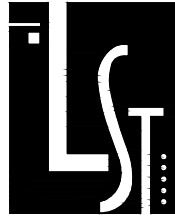
SPECIAL SYSTEMS PLAN NOTES BY SYMBOL

- 2" CONDUIT WITH PULL STRING BELOW SLAB BETWEEN REAR CABINET AND CHAIR UTILITY FRAME. STUB-UP FLUSH WITH FLOOR WITH STANDARD RADIUS ELBOWS (MIN. 6" RADIUS). COORDINATE WITH G.C. FOR SAW-CUTTING AND PATCHING OF EXISTING CONCRETE FLOOR. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1, 2A/SED.1 AND 3A/SED.1 FOR EXACT STUB-UP LOCATIONS.
- 2" CONDUIT WITH PULL STRING ROUTED VERTICALLY IN WALL FROM ABOVE CEILING DOWN TO 4" AFF. PROVIDE A 1-GANG MUD RING AT SILL PLATE FOR ROUTING CABLES. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1 AND 4B/SED.1.
- PROVIDE 1-GANG WALL BOX AT 47" AFF TO CENTER OF BOX AND 1" CONDUIT WITH PULL STRING TO ABOVE CEILING FOR X-RAY MASTER CONTROL. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1 AND 9/SED.1.
- PROVIDE 1" CONDUIT WITH PULL STRING CONCEALED IN WALL FROM X-RAY MOUNTING PLATE (BY HENRY SCHEIN DENTAL) TO ABOVE CEILING FOR CONTROL CABLING. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1 AND 9P/SED.1.
- PROVIDE 1" CONDUIT WITH PULL STRING FROM WALL MOUNTED X-RAY EXPOSURE BUTTON TO ABOVE CEILING FOR CONTROL WIRING. VERIFY TERMINATION POINT AT WALL WITH HENRY SCHEIN REPRESENTATIVE.
- PROVIDE 1-GANG WALL BOX AT 47" AFF TO CENTER OF BOX AND 1" CONDUIT WITH PULL STRING TO ABOVE CEILING FOR PANORAMIC IMAGING UNIT. REFER TO HENRY SCHEIN DRAWINGS, SHEET SE.1.
- 2-GANG J-BOX AT 60" AFF WITH 1" CONDUIT TO ABOVE CEILING FOR AIR/WATER/VACUUM REMOTE SHUT-OFF SWITCH. PROVIDE 18/4 CMP CABLE FROM BOX TO EACH VACUUM MOTOR, COMPRESSOR AND WATER VALVE TO BE CONTROLLED. PROVIDE 18" WHIPS IN BOX FOR FINAL CONNECTIONS BY HENRY SCHEIN DENTAL.
- PROVIDE 18/4 CONTROL CABLE TO REMOTE SHUT-OFF SWITCH.
- J-HOOKS FOR TELECOM CABLING INSTALLED ABOVE SUSPENDED CEILING, SPACED AT MAXIMUM 5'-0" ON CENTER. J-HOOKS SHALL HAVE 4" MIN BUNDLE CAPACITY, 1" BEND RADIUS CONTROL, AND SHALL BE U.L. 2043 LISTED. PANDUIT J-PRO JP4 SERIES OR EQUAL. PROVIDE ALL FASTENERS AND ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
- EMT CONDUIT SLEEVE(S) WITH NYLON BUSHINGS FOR OWNER PROVIDED TELECOM CABLING. QUANTITY AND TRADE SIZE AS NOTED. INSTALL ABOVE ACCESSIBLE CEILING.
- TELECOMMUNICATIONS GROUND BAR: 13-1/4"W x 2"H x 1/4" THICK ELECTRO-TIN PLATED COPPER BUS BAR, COMPLETE WITH INSULATED STAND-OFFS AND STAINLESS STEEL BRACKETS, ERICO #TC8A14L06PT OR EQUAL. MOUNT AT 18" AFF AND PROVIDE #6 CU GROUND TO BUILDING STEEL AND TO EQUIPMENT GROUND BUS OF PANEL 'MDP'. ALL CONNECTIONS TO GROUND BAR SHALL BE MADE USING COMPRESSION TYPE LUGS.

- EXISTING TELECOM BACKBOARD TO REMAIN.
- INSTALL TV OUTLET FLUSH IN CEILING, ADJACENT TO RECEPTACLE.
- PROVIDE ROUGH-IN ONLY FOR THIS OUTLET. PROVIDE PULL STRING IN RACEWAY. CABLING PROVIDED BY OWNER.

TELECOMMUNICATIONS GENERAL NOTES

- A. PROVIDE THE FOLLOWING FOR TELECOMMUNICATIONS OUTLET TYPES INDICATED:
- VOICE/DATA OUTLET: 4-11/16" SQUARE x 2-1/8" DEEP BOX (RACO #258) WITH 1-GANG DEVICE RING, 1" CONDUIT TO ABOVE ACCESSIBLE CEILING, AND (2) CATEGORY 6 UTP CABLES TO TELECOM BACKBOARD IN MECH 124.
 - TV OUTLET: 4-11/16" SQUARE x 3-1/4" DEEP BOX (RACO #260) WITH 1-GANG DEVICE RING, 1-1/2" CONDUIT TO ABOVE ACCESSIBLE CEILING AND (1) CATEGORY 6 UTP CABLE TO TELECOM BACKBOARD IN MECH 124.
- B. PROVIDE NYLON BUSHINGS FOR ALL CONDUIT ENDS NOT CONNECTED TO A BOX OR FITTING TO PROTECT CABLING FROM DAMAGE.
- C. CONDUITS FROM EACH OUTLET SHALL BE STUBBED 2" ABOVE THE FINISHED CEILINGS IN AREAS WITH ACCESSIBLE TILES. IN AREAS WITH OPEN CEILINGS, STUB CONDUIT INTO STRUCTURAL JOIST SPACE.
- D. PROVIDE BLANK, STAINLESS STEEL COVER PLATES FOR ALL OUTLETS NOT ACTIVATED BY OWNER.
- E. HORIZONTAL COPPER TELECOMMUNICATIONS CABLING TO VOICE/DATA OUTLETS AND TV OUTLETS SHALL BE CATEGORY 6 UTP, TYPE CMP PLENUM RATED. VOICE/DATA CABLES SHALL HAVE A BLUE OUTER JACKET, AND TV CABLES SHALL HAVE A WHITE OUTER JACKET. PROVIDE A 6ft SERVICE LOOP ABOVE THE CEILING AT EACH OUTLET, AND A 20ft SERVICE LOOP AT THE TELECOM BACK BOARD.
- F. ALL TELECOMMUNICATIONS HEAD END EQUIPMENT, PATCH PANELS, JACKS/CONNECTORS, TERMINATIONS AND TESTING SHALL BE PROVIDED BY OWNER.

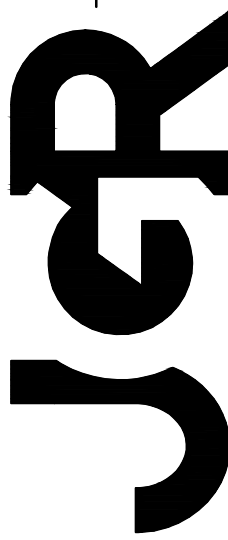


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CIRCUIT AND RACEWAY SYMBOLS

- # #
#
- CIRCUIT DESIGNATION:
TOP INDICATES PANEL OF CIRCUIT ORIGIN
BOTTOM INDICATES CIRCUIT NUMBER
- HOMERUN - WIRING TO PANEL OF CIRCUIT ORIGIN
→ PARTIAL HOMERUN - WIRING TO PANEL OF CIRCUIT ORIGIN
--- CONDUIT CONCEALED IN WALL OR ABOVE CEILING
--- CONDUIT BELOW GRADE OR EMBEDDED IN CONCRETE
- LINE VOLTAGE CIRCUIT CONDUCTORS
--- SHORT = HOT/TRACER/SWITCH LEG CONDUCTOR
--- LONG = NEUTRAL (GROUNDED) CONDUCTOR
--- CURVED = GROUNDING (BONDING) CONDUCTOR
- ~ LOW-VOLTAGE CONTROL WIRING
- CONDUIT STUB OUT WITH NYLON END BUSHING
--- CONDUIT TURNED UP
--- CONDUIT TURNED DOWN
--- GROUNDING CONNECTION

LIGHTING SYMBOLS

- LAY-IN FLAT PANEL TROFFER
- PENDANT OR SURFACE MOUNTED LINEAR LUMINAIRE
- LENSED STRIP LIGHT
- RECESSED DOWNLIGHT
- RECESSED WALL WASH DOWNLIGHT
- WALL MOUNTED LUMINAIRE
- SINGLE FACE EXIT SIGN - WALL AND CEILING MOUNTED WITH DIRECTIONAL ARROWS AS INDICATED ON PLANS
- DOUBLE FACE EXIT SIGN - WALL AND CEILING MOUNTED WITH DIRECTIONAL ARROWS AS INDICATED ON PLANS

POWER SYMBOLS

- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- # SPECIAL RECEPTACLE (# = NEMA CONFIGURATION)
- SINGLE POLE TOGGLE SNAP SWITCH
- 2 DOUBLE POLE TOGGLE SNAP SWITCH
- 3 THREE-WAY TOGGLE SNAP SWITCH
- 4 FOUR-WAY TOGGLE SNAP SWITCH
- m MOTOR HP RATED SWITCH WITHOUT OVERLOAD PROTECTION
- 0 PRESET SLIDE DIMMER WALL SWITCH
- 0s LINE VOLTAGE OCCUPANCY SENSING WALL SWITCH
- TIMECLOCK
- EXTERIOR PHOTOCELL
- CONTACTOR
- PUSH BUTTON OPERATOR
- JUNCTION BOX
- MOTOR
- DISCONNECT SWITCH
- BRANCH CIRCUIT PANELBOARD
- DISTRIBUTION PANELBOARD

TELECOMMUNICATIONS SYMBOLS

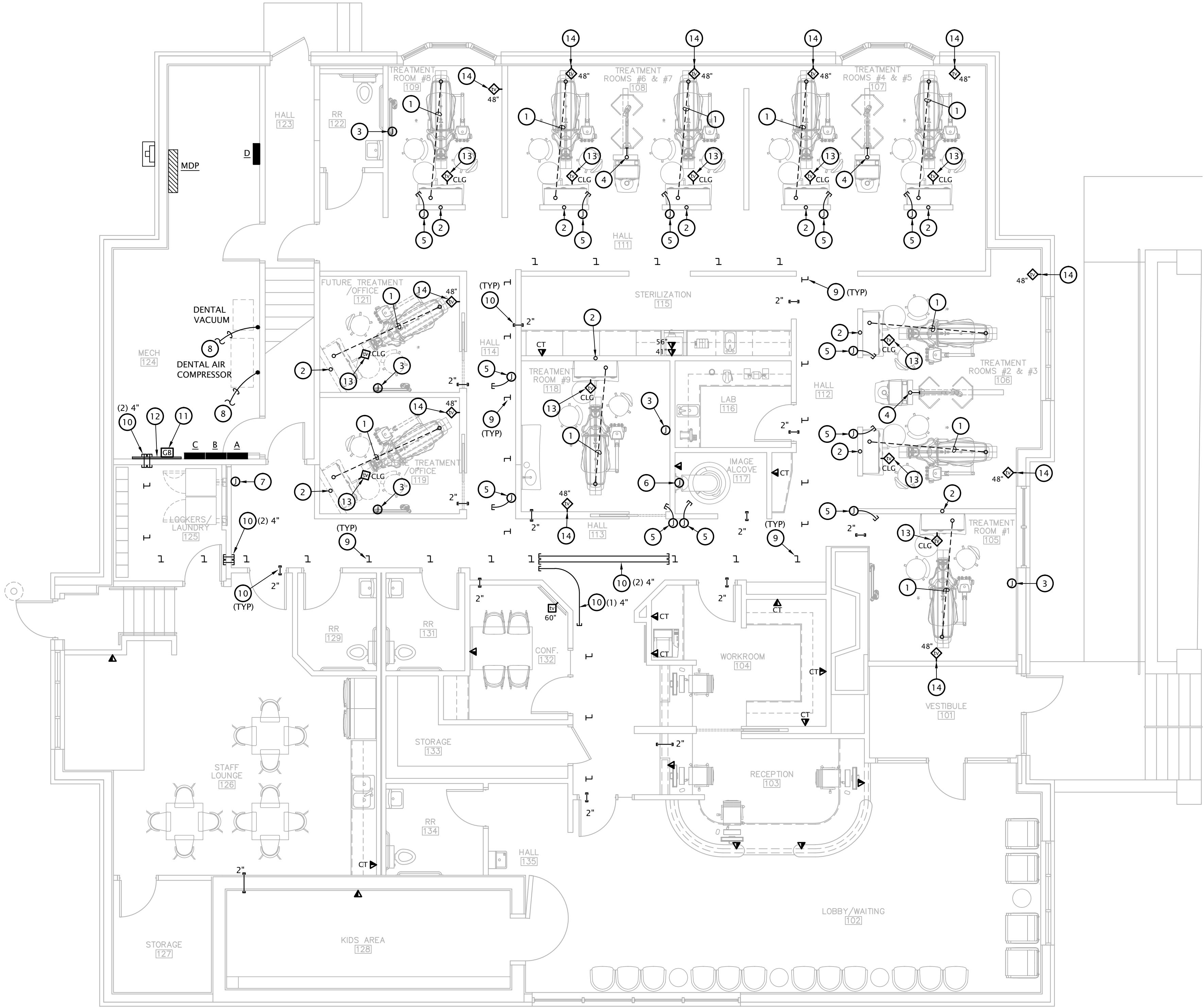
- ◀ TELECOMMUNICATIONS VOICE/DATA OUTLET
- ◀ TELEVISION OUTLET
- ◀ TELECOMMUNICATIONS GROUND BAR
- ◀ TELEPHONE TERMINAL BOARD
- EMT CONDUIT SLEEVE WITH NYLON END BUSHINGS
- J-HOOKS

SYMBOL MODIFYING DESIGNATORS

- CLG CEILING MOUNTED
• FLUSH MOUNTED IN SUSPENDED CEILINGS
• SURFACE MOUNTED TO STRUCTURE ABOVE IN OPEN CEILINGS
- CT MOUNT BOTTOM OF DEVICE AT 6" ABOVE COUNTERTOP
- e DEVICE IS EXISTING TO REMAIN
- EM PROVIDE LUMINAIRE WITH EMERGENCY BATTERY BACKUP
- GFI GROUND FAULT CIRCUIT INTERRUPTING DEVICE
- NL NIGHTLIGHT WIRED TO UNSWITCHED HOT CONDUCTOR
- WP PROVIDE WEATHERPROOF ENCLOSURE FOR DEVICE
- XX" MOUNTING HEIGHT OF DEVICE ABOVE FINISHED FLOOR

ABBREVIATIONS

- A AMPERE
- ac ALTERNATING CURRENT
- AFF ABOVE FINISH FLOOR
- AIC AMPERE INTERRUPTING CAPACITY
- AWG AMERICAN WIRE GAUGE
- C CONDUIT
- C8 CIRCUIT BREAKER
- CCT CORRELATED COLOR TEMPERATURE
- CRI COLOR RENDERING INDEX
- EC ELECTRICAL CONTRACTOR
- EMT ELECTRICAL METALLIC TUBING
- ETR EXISTING TO REMAIN
- FMC FLEXIBLE METALLIC CONDUIT
- G GROUNDING (BONDING) CONDUCTOR
- GC GENERAL CONTRACTOR
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- LTG LIGHTING
- MC MECHANICAL CONTRACTOR
- MCB MAIN CIRCUIT BREAKER
- MLO MAIN LUG ONLY
- NC NORMALLY CLOSED
- NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- NEC NATIONAL ELECTRICAL CODE (NFPA 70)
- NFPA NATIONAL FIRE PROTECTION ASSOCIATION
- NRTL NATIONALLY RECOGNIZED TESTING LABORATORY
- PH or φ PHASE
- PVC POLYVINYL CHLORIDE CONDUIT
- RCPT RECEPTACLE
- SPD SURGE PROTECTION DEVICE
- SPDT SINGLE POLE, DOUBLE THROW
- T TELEPHONE
- TV TELEVISION
- TYP TYPICAL
- UG UNDERGROUND
- U.L. UNDERWRITERS LABORATORY
- UNO UNLESS NOTED OTHERWISE
- V VOLT (ALTERNATING CURRENT)
- VA VOLTAMPERE
- W WATT(S)



REVISION:	
DATE:	9-20-2023
JOB:	22-3211
SHEET NO.:	



1. EXISTING PANELBOARD TO BE USED FOR NEW WORK. REUSE/REPLACE EXISTING BREAKERS AS NOTED.
2. REUSE EXISTING BREAKER FOR NEW CIRCUIT INDICATED.
3. REPLACE EXISTING BREAKER WITH NEW BREAKER OF AMP TRIP/POLE AS INDICATED
4. RETAIN EXISTING BREAKER AS 'SPARE'.

44

GENERAL:

- All LED's shall be 4000° K correlated color temperature, minimum 80 CRI.
- All light fixtures shall be provided with universal drivers capable of operating at 120V or 277V UNO.
- Provide manufacturer's flange kit where lay-in fixtures are to be installed in gyp board ceilings.

1

2

Notes:

- Existing panelboard to remain.
- Reuse existing switch for new feeder shown. Provide new dual-element, time-delay fuses of amp rating indicated.

3

KANSAS

ROSSVILLE.

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REVISION

DATE: 9-20-2023

JOB: 22-321

SHEET NO.

E6.1

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PREPARED FOR:

DR. BRETT URBAN

ROSSVILLE FAMILY DENTISTRY

[illegible]



THIS PLAN IS FOR THE SOLE PURPOSE OF SPECIFICATION AND INSTALLATION OF THE DENTAL EQUIPMENT SUPPLIED BY HENRY SCHEIN DENTAL. THE SPACE PLANNING AND CONCEPTUAL DESIGN HAS BEEN PROVIDED BY OTHERS.

IT IS THE ARCHITECT/CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ALL CODE RESTRICTIONS & CLEARANCES ARE MET.

SEE SHEETS SED.1 & SED.2 FOR DENTAL EQUIPMENT DETAILS

SA.1

SA.1

P:\ALL REGION\CS Konsult\Urban_Dent - Rossville Family Dental\Rossville 1-F.F



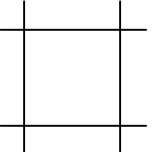
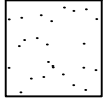

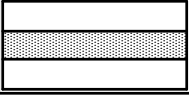
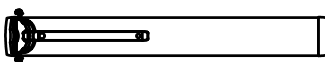
PROPOSED CEILING PLAN
1/4"=1'-0"

CEILING LEGEND

*ALL EXIT AND EMERGENCY LIGHTS ARE THE RESPONSIBILITY OF THE LIGHTING CONTRACTOR AND TO BE INSTALLED PER LOCAL CODE.

*GENERAL SWITCH LOCATIONS AND WIRING TO BE DETERMINED BY LIGHTING CONTRACTOR PER LOCAL CODE AND BE APPROVED BY DOCTOR.

*HVAC ENGINEER MUST TAKE CEILING & DENTAL LIGHTS WITHIN TREATMENT ROOMS INTO CONSIDERATION WHEN LAYING OUT THE AIR DISTRIBUTION SYSTEM. SEE SHEET SA.1 FOR BLOCKING LOCATIONS (WHERE APPLICABLE).

-  SUSPENDED CEILING GRID
-  GYP, BRD, CEILING OR SOFFIT. CONFIRM HEIGHTS WITH HENRY SCHEIN REP.
-  RECESSED LIGHT FIXTURE
-  2 x 4 RECESSED INDIRECT TROFFER LIGHT FIXTURE
-  CEILING MOUNTED DENTAL TRACK LIGHT

PROJECT:

HENRY SCHEIN REP:
ADAM HALABI

REGION:
KS-KANSAS

PHONE #:
(316)644-1473

-IMPORTANT NOTE-
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PROJECT NUMBER:
22-0345

PROJECT START DATE:
03/22/2022

FINALS START DATE:
07/07/2022

DRAWN BY: ARCH.
FINALS BY: LBS
CHECKED BY: 22-0345

REVISIONS:	
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INT.SQ.FT.= PER ARCH.

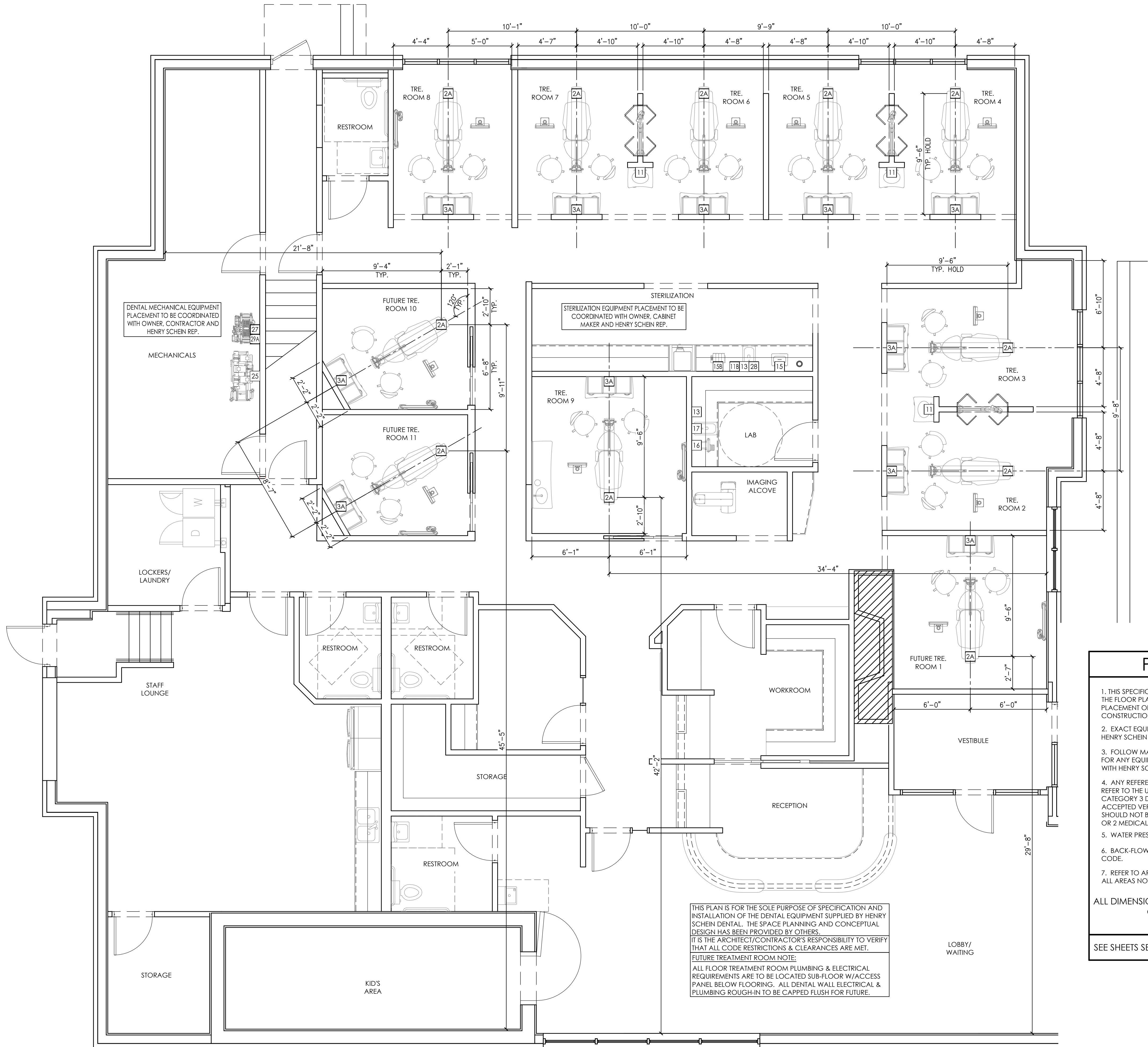
SCALE:
1/4"=1'-0"

SHT. SIZE:
24 x 36

CEILING PLAN

SA.2

P:\ALL REGION\G3 Consultation - Dent - Rossville Family Dental\Rossville-17-F



PROPOSED PLUMBING PLAN
1/4"=1'-0"

PLUMBING SPECIFICATIONS										
QUANTITY	SPEC. NUMBER	DESCRIPTION	UTILITIES						DETAIL	
			COLD WATER	HOT WATER	DRAIN	COMPRESSED AIR	NATURAL GAS	VACUUM	NZO	
11	2A	UTILITY CENTER - SELF-CONTAINED WATER.								2A
11	3A	UTILITY CENTER - SELF-CONTAINED WATER.								3A
3	11	MODULAR SINKS & FAUCETS - SINK AND FAUCET SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY PLUMBER. FINAL CONNECTIONS BY PLUMBER.	•	•	•			•		
1	11B	EYEWASH STATION - VERIFY SUPPLIER, INSTALLED BY PLUMBER. VERIFY EXACT LOCATION WITH DOCTOR AND HENRY SCHEIN EQUIPMENT SPECIALIST.	•							
2	13	COMPRESSED AIR LINE AND VALVE - 1/2" AIR LINE FROM COMPRESSOR (25) BY PLUMBER. TERMINATE WITH A 3/8" ANGLE VALVE.				•				13
1	15	ULTRASONIC CLEANER - UTILITIES BY CONTRACTOR(S). SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL.				•				15
1	15B	HANDPIECE MAINTENANCE SYSTEM - CONTRACTOR(S) TO PROVIDE REQ'D UTILITIES. 1/2" AIR LINE WITH 1/4" ANGLE VALVE (ABOVE COUNTERTOP). SYSTEM SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL.				•				15B
1	16	MODEL TRIMMER - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. DO NOT TIE INTO COLD WATER LINE FOR SINK. BACK FLOW PREVENTION AS REQUIRED PER CODE. SEE DETAIL.	•	•						16
1	17	PLASTER TRAP - SUPPLIED BY HSD, INSTALLED BY PLUMBER ON SINK DRAIN LINE. DRAIN LINE MUST BE 21" A.F.F.				•				16
1	25	DENTAL AIR COMPRESSOR - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY CONTRACTOR(S). FOR DENTAL AIR DRIVEN DEVICES. PLUMBER TO PROVIDE 1/2" I.D. COPPER TYPE K OR L SUPPLY LINES TO LOCATIONS THAT REQUIRE AIR. BUCK BOOST TRANSFORMER SUPPLIED AND INSTALLED BY ELECTRICIAN (IF REQ'D). FINAL CONNECTIONS BY CONTRACTOR(S).				•				25
1	27	VACUUM PUMP (DRY) - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY CONTRACTOR(S). VERIFY TRUNK & BRANCH LINE SIZES WITH MFR RECOMMENDATIONS. USE SCH 40 PVC WHERE PERMITTED BY CODE. PLUMBER TO EXHAUST PUMP TO OUTSIDE. BUCK BOOST TRANSFORMER SUPPLIED AND INSTALLED BY ELECTRICIAN (IF REQ'D). DRAIN BY PLUMBER. FINAL CONNECTIONS BY CONTRACTOR(S). PLUMBER TO PROVIDE WATER LINE WITH HOSE BIB NEAR UNIT. SEE DETAIL.	•	•				•		27
1	28	VACUUM INLET - PLUMBER TO PROVIDE A 3/4" BRANCH LINE FROM VACUUM TRUNK LINE TO LOCATION(S) SHOWN. TERMINATE WITH A 1/2" FPT FITTING AT FINISH. VERIFY TERMINATION, HEIGHT AND LOCATION WITH HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST.						•		28
1	29A	AMALGAM SEPARATOR - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY PLUMBER. VERIFY LOCATION WITH HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. CONNECT TO VACUUM LINE COMING IN FROM TREATMENT ROOMS.								29A

VACUUM NOTES

THE VACUUM PIPING LAYOUT HAS A LARGE EFFECT ON THE EFFICIENCY AND RELIABILITY OF THE DENTAL VACUUM SYSTEM. REFER TO MANUFACTURER'S PRE-INSTALLATION GUIDE PROVIDED BY HENRY SCHEIN EQUIPMENT SPECIALIST FOR SPECIFIC SIZING OF STUB-UP, TRUNK, AND BRANCH LINES.

IT IS HIGHLY RECOMMENDED THAT VACUUM LINES RUN UNDERNEATH DENTAL EQUIPMENT BY MEANS OF TRENCHING/ CORING (CONCRETE SLAB) OR IN SUB FLOOR (BASEMENT/ CRAWL SPACE). ALL LINES ARE TO BE DESIGNED WITH PVC PIPING UNLESS DICTATED BY LOCAL CODES TO USE COPPER OR CAST IRON.

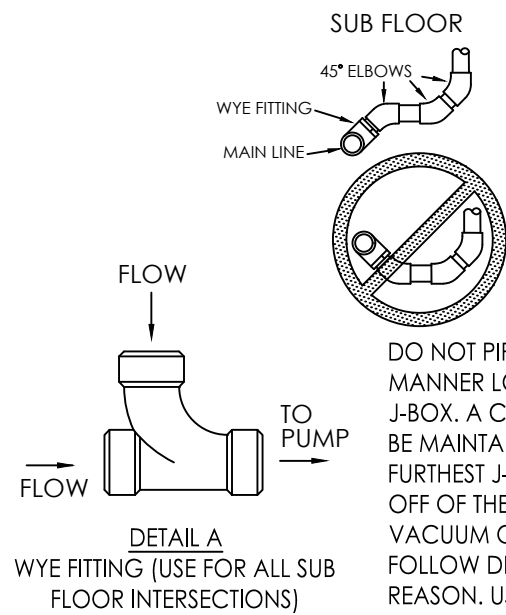
TO ENSURE OPTIMUM VACUUM PERFORMANCE, INSTALL MAIN LINE DIRECTLY BELOW THE DENTAL CHAIR, CABINET OR WALL JUNCTION BOX TO REDUCE OR ELIMINATE BRANCH LINE RUNS WHEREVER POSSIBLE.

1. **TERMINATION**
TERMINATE VACUUM TRUNK LINE IN MECHANICAL ROOM. PLUMBING CONTRACTOR TO PROVIDE FPT ADAPTOR ON END OF STUB-UP FROM FLOOR OR WALL. SIZE OF ADAPTOR TO BE DETERMINED BY TRUNK AND PUMP INTAKE PIPE SIZES. SEE DETAILS THIS SET & MANUFACTURER TEMPLATES PROVIDED BY HENRY SCHEIN EQUIPMENT REP. IN THE CASE OF DUAL TRUNK LINE SYSTEM, PROVIDE ENOUGH SPACE BETWEEN STUB-UPS TO INSTALL TEES ON BOTH LINES.

2. **TRUNK LINE(S)**
VACUUM TRUNK LINES(S) TO BE SUPPORTED EVERY 6'-0" TO PREVENT SAG AND SLOPED A MINIMUM OF 1/4" PER 10'-0" TOWARD THE VACUUM PUMP.

3. **BRANCH LINE(S)**
BRANCH LINES ARE TO HAVE "SWEEPING" 90 DEGREE TURNS TO AVOID VACUUM LOSS. A "WYE" FITTING SHOULD BE USED TO JOIN BRANCH LINES TO THE TRUNK LINE.

BRANCH LINE CONFIGURATION



DO NOT PIPE TRUNK LINE IN A SERIES MANNER LOOPING FROM J-BOX TO J-BOX. A CONTINUOUS TRUNK LINE MUST BE MAINTAINED FROM THE PUMP TO THE FURTHEST J-BOX USING BRANCH LINES OFF OF THE TRUNK LINE TO PICK UP EACH VACUUM OUTLET. TRUNK LINE MAY FOLLOW DRAIN LINE TRENCHES WITHIN REASON. USE ONLY 45 DEGREE EL'S. DO NOT USE ANY 90 DEGREE EL'S. ALL SUB FLOOR SCH 40 PVC CONNECTIONS ARE TO BE PLUMBED WITH 45 DEGREE EL'S USING DETAIL A FOR TEING BRANCH LINE CONNECTIONS INTO TRUNK LINE.

SPECIAL NOTE:
IF VACUUM LINES ENCR OACH ON EITHER A WALL OR COLUMN FOOTING, USE 45 DEGREE ELBOWS TO PIPE AROUND FOOTING SO PIPE REACHES PROPER LOCATION.

PLUMBING NOTES

1. THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN. THE FLOOR PLANS ENCLOSED HEREIN ARE SUGGESTIONS FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR CONSTRUCTION.
2. EXACT EQUIPMENT LOCATIONS MUST BE JOB SITE VERIFIED BY THE HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST.
3. FOLLOW MANUFACTURER'S TEMPLATES FOR EXACT REQUIREMENTS FOR ANY EQUIPMENT SUPPLIED BY HENRY SCHEIN DENTAL. CONSULT WITH HENRY SCHEIN DENTAL REP FOR ADDITIONAL INFORMATION.
4. ANY REFERENCE TO "AIR", "COMPRESSED AIR" OR "AIR COMPRESSOR" REFER TO THE UNIT AND ALL COMPONENTS WHICH ARE CONSIDERED A CATEGORY 3 DENTAL AIR SUPPLY SYSTEM. REFER THE LOCALLY ACCEPTED VERSION OF NFPA 99 FOR CODE REQUIREMENTS. THIS SHOULD NOT BE CONFUSED WITH "AIR" AS IT IS DEFINED IN CATEGORY 1 OR 2 MEDICAL FACILITIES.
5. WATER PRESSURE MUST NOT EXCEED 50 PS1 AT ALL DENTAL UNITS.
6. BACK-FLOW PREVENTION IS REQUIRED ON ALL LINES AS PER LOCAL CODE.
7. REFER TO ARCHITECT'S DRAWINGS FOR PLUMBING REQUIREMENTS IN ALL AREAS NOT INDICATED ON THIS PLAN.

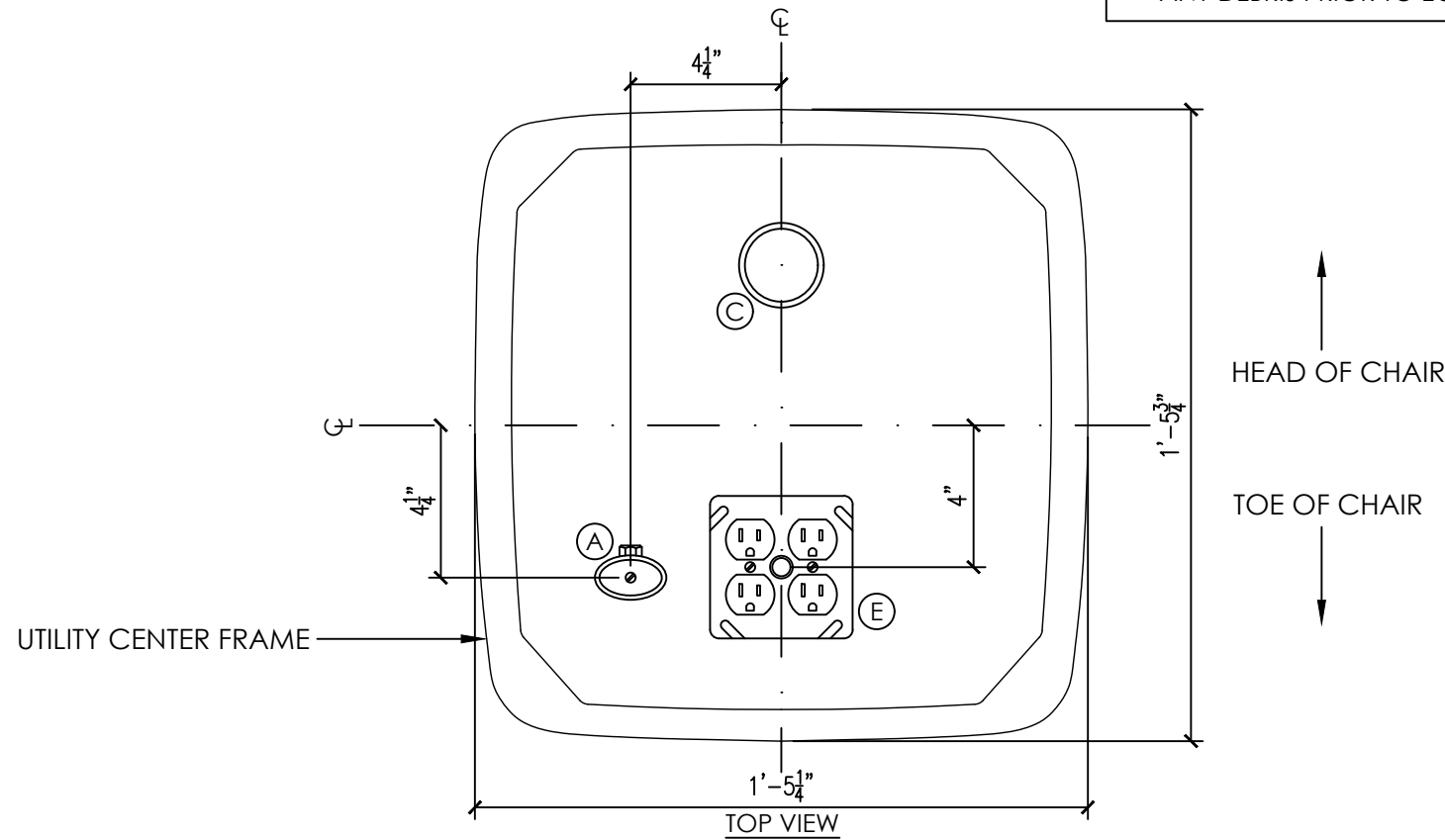
ALL DIMENSIONS NOTED ON PLAN ARE TO THE CENTERLINE OF PLUMBING OR UTILITY CENTER (UNLESS SHOWN OTHERWISE)

SEE SHEETS SED.1 & SED.2 FOR DENTAL EQUIPMENT DETAILS

THIS PLAN IS FOR THE SOLE PURPOSE OF SPECIFICATION AND INSTALLATION OF THE DENTAL EQUIPMENT SUPPLIED BY HENRY SCHEIN DENTAL. THE SPACE PLANNING AND CONCEPTUAL DESIGN HAS BEEN PROVIDED BY OTHERS. IT IS THE ARCHITECT/CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ALL CODE RESTRICTIONS & CLEARANCES ARE MET. FUTURE TREATMENT ROOM NOTE: ALL FLOOR TREATMENT ROOM PLUMBING & ELECTRICAL REQUIREMENTS ARE TO BE LOCATED SUB-FLOOR W/ACCESS PANEL BELOW FLOORING. ALL DENTAL WALL ELECTRICAL & PLUMBING ROUGH-IN TO BE CAPPED FLUSH FOR FUTURE.

- (A) COMPRESSED AIR: 1/2" SUPPLY LINE FROM COMPRESSOR BY PLUMBER. STUB-UP FROM FLOOR 1"-2". TERMINATE WITH 3/8" ANGLE VALVE. PRESSURE 100 PSI MAX.
- (E) ELECTRICAL: TWO GANG BOX & 115V QUAD OUTLET BY ELECTRICIAN. CHAIR MAX DRAW: 10A
- (C) CHASE: GRAY ELECTRICAL PVC PIPE CHASE WITH PULL-STRING BY ELECTRICIAN (SEE SHEET SE.1 FOR SIZE & LOCATIONS). 6" MIN. RADIUS FOR ALL BENDS. STUB-UP FLUSH WITH SUB-FLOOR, MARK LOCATION AT FINISH.

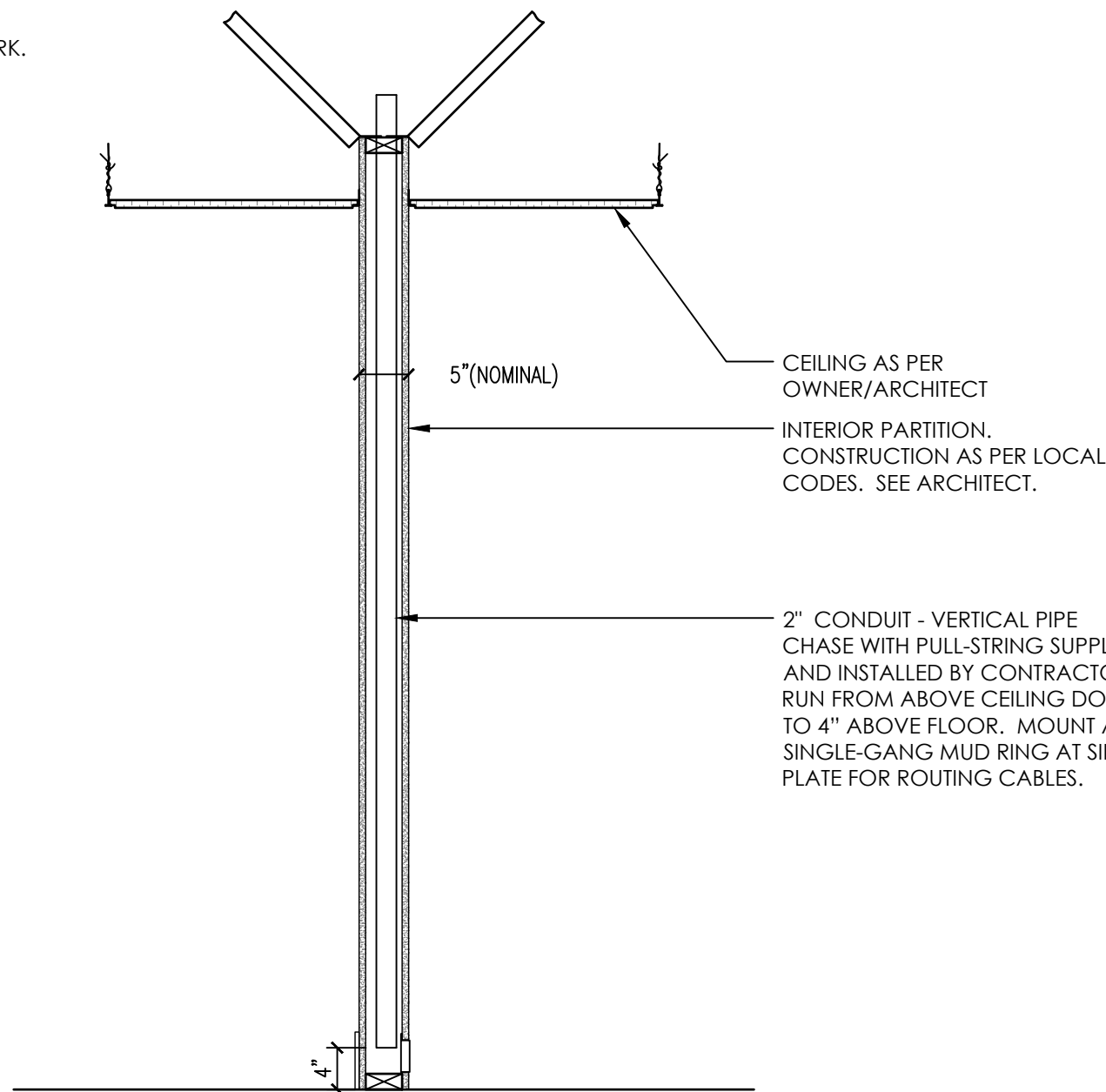
- NOTES:
1. DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION. HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST WILL PROVIDE INSTALLATION TEMPLATE UPON REQUEST.
 2. INSTALLATION MUST CONFORM TO ALL LOCAL ELECTRICAL AND PLUMBING CODES.
 3. ALL UTILITIES HEREIN TO BE SUPPLIED & INSTALLED BY LICENSED CONTRACTORS. FINAL CONNECTIONS TO EQUIPMENT BY HENRY SCHEIN DENTAL.
 4. ALL UTILITIES MUST BE NO HIGHER THAN 4" A.F.F. AT FINISH.
 5. ALL PLUMBED SYSTEMS MUST BE FLUSHED CLEAN OF ANY DEBRIS PRIOR TO EQUIPMENT INSTALLATION.



2A FOREST 3900 CHAIR UTILITIES

NOT TO SCALE

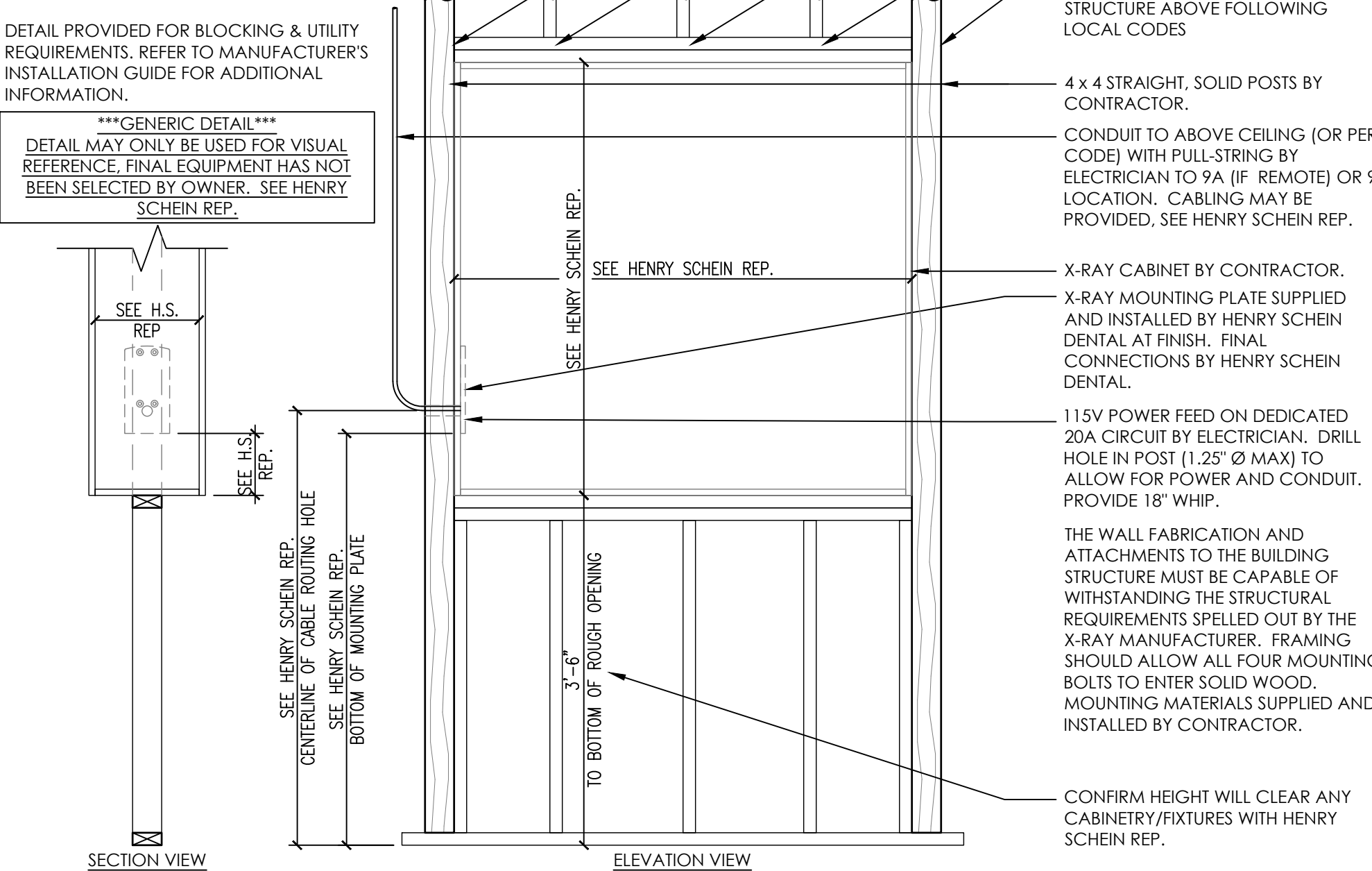
FOLLOW LOCAL CODES FOR ALL WORK.



4B VERTICAL CHASE

NOT TO SCALE

FOLLOW LOCAL CODES FOR ALL WORK.

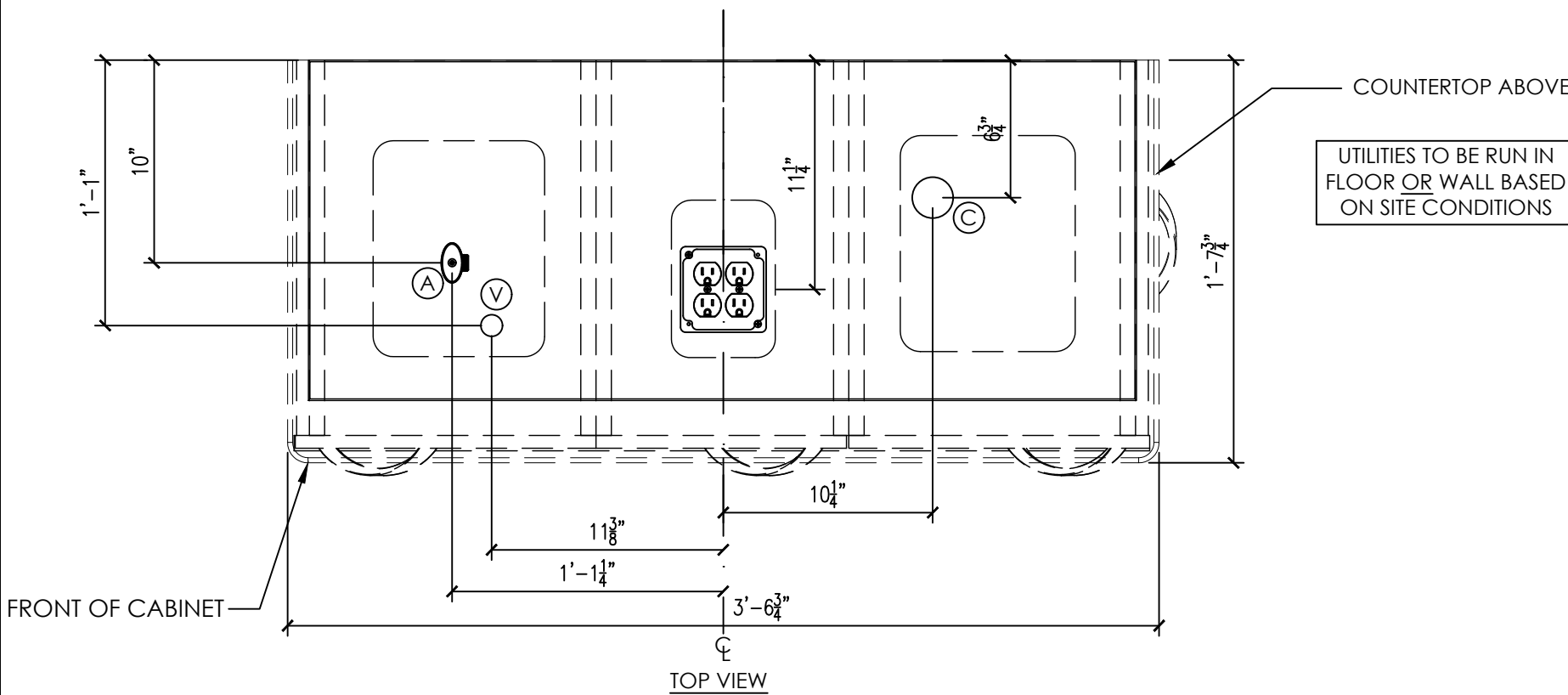


9PT X-RAY PASS-THRU CABINET

NOT TO SCALE

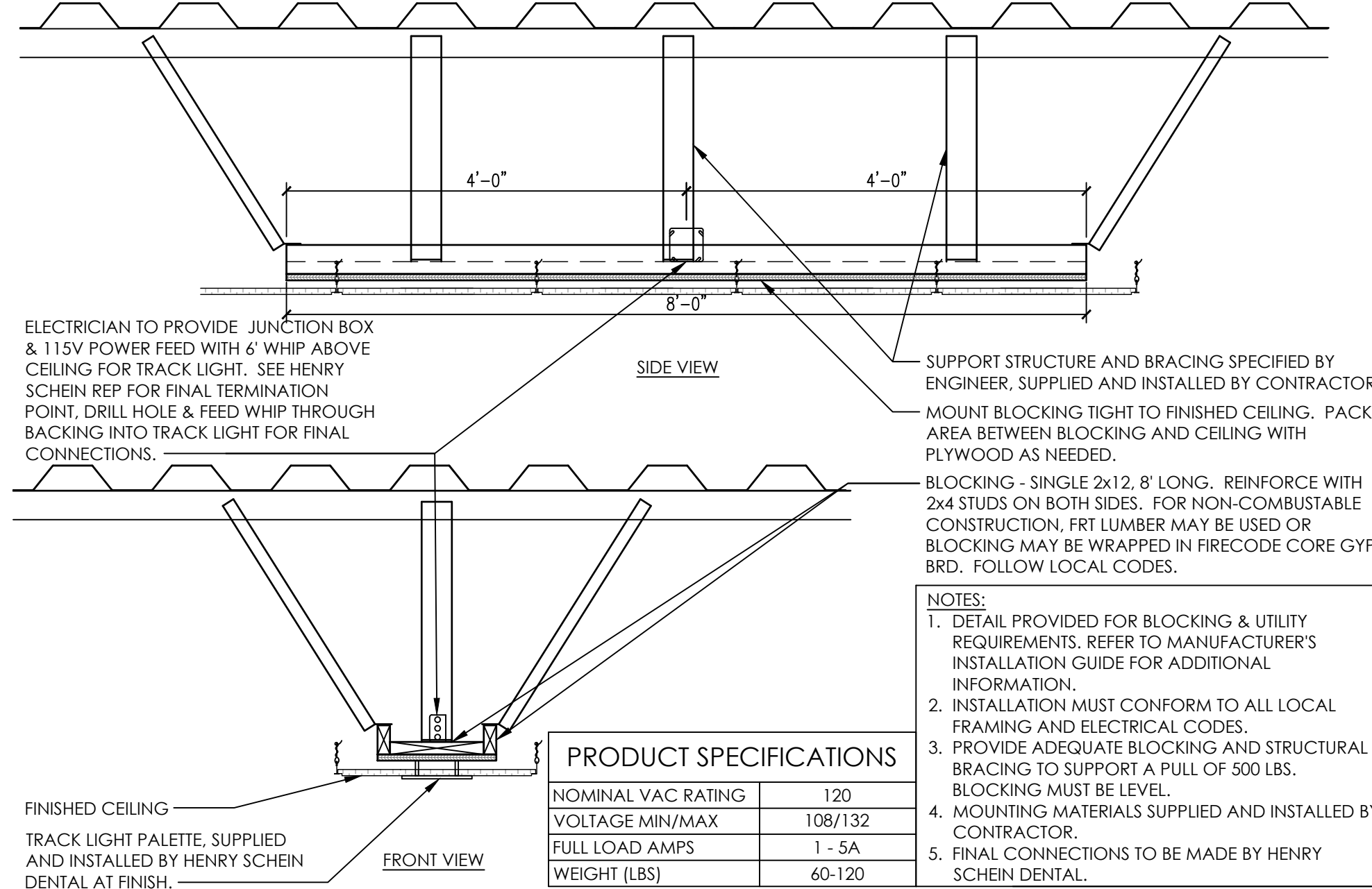
- (A) COMPRESSED AIR: 1/2" SUPPLY LINE FROM COMPRESSOR BY PLUMBER. STUB-UP FROM FLOOR 1"-2". TERMINATE WITH 3/8" ANGLE VALVE. PRESSURE 100 PSI MAX.
- (V) CENTRAL VACUUM: 5/8" RISER BY PLUMBER (SCH. 40 PVC OR TYPE M COPPER). TERMINATE 1"-2" A.F.F.
- (E) ELECTRICAL: 16" FLEX CONDUIT WITH TWO GANG BOX & 115V QUAD OUTLET BY ELECTRICIAN. MAX DRAW: 15A
- (C) CHASE: GRAY ELECTRICAL PVC PIPE CHASE WITH PULL-STRING BY ELECTRICIAN (SEE SHEET SE.1 FOR SIZE & LOCATIONS). 6" MIN. RADIUS FOR ALL BENDS. STUB-UP FLUSH WITH SUB-FLOOR, MARK LOCATION AT FINISH.

- NOTES:
1. DETAIL PROVIDED FOR UTILITY REQUIREMENTS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION. HENRY SCHEIN DENTAL REP WILL PROVIDE INSTALLATION TEMPLATE UPON REQUEST.
 2. INSTALLATION MUST CONFORM TO ALL LOCAL ELECTRICAL AND PLUMBING CODES.
 3. ALL UTILITIES HEREIN TO BE SUPPLIED & INSTALLED BY LICENSED CONTRACTORS. FINAL CONNECTIONS TO EQUIPMENT BY HENRY SCHEIN DENTAL.
 4. ALL VALVES, BOXES AND PIPES FROM FLOOR MUST BE NO HIGHER THAN 5 1/4" A.F.F.
 5. ALL PLUMBED SYSTEMS MUST BE FLUSHED CLEAN OF ANY DEBRIS PRIOR TO EQUIPMENT INSTALLATION.



3A DCI EDGE SERIES 5 CABINET UTILITIES

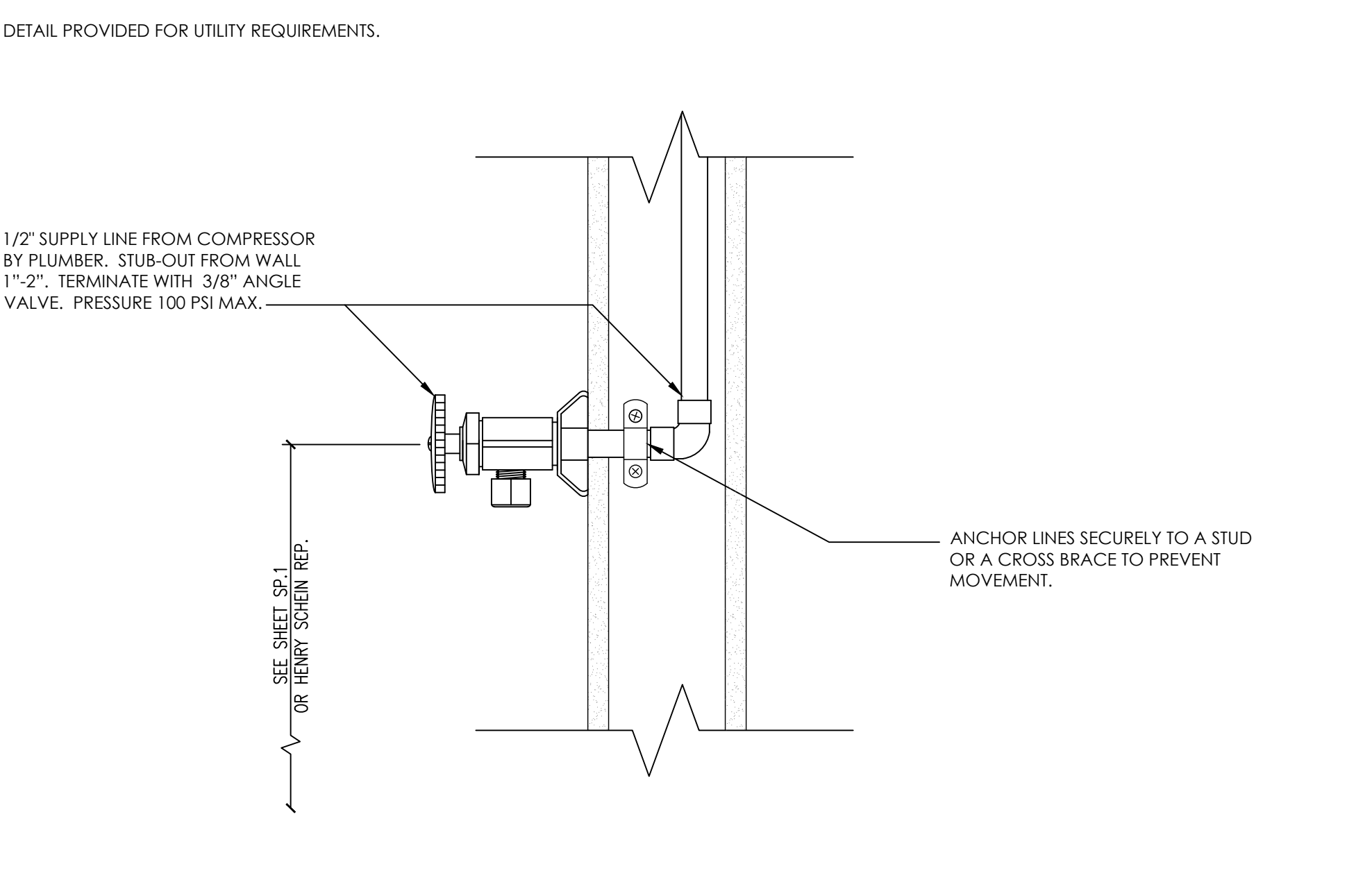
NOT TO SCALE



6 TYPICAL TRACK MOUNTED DENTAL LIGHT

NOT TO SCALE

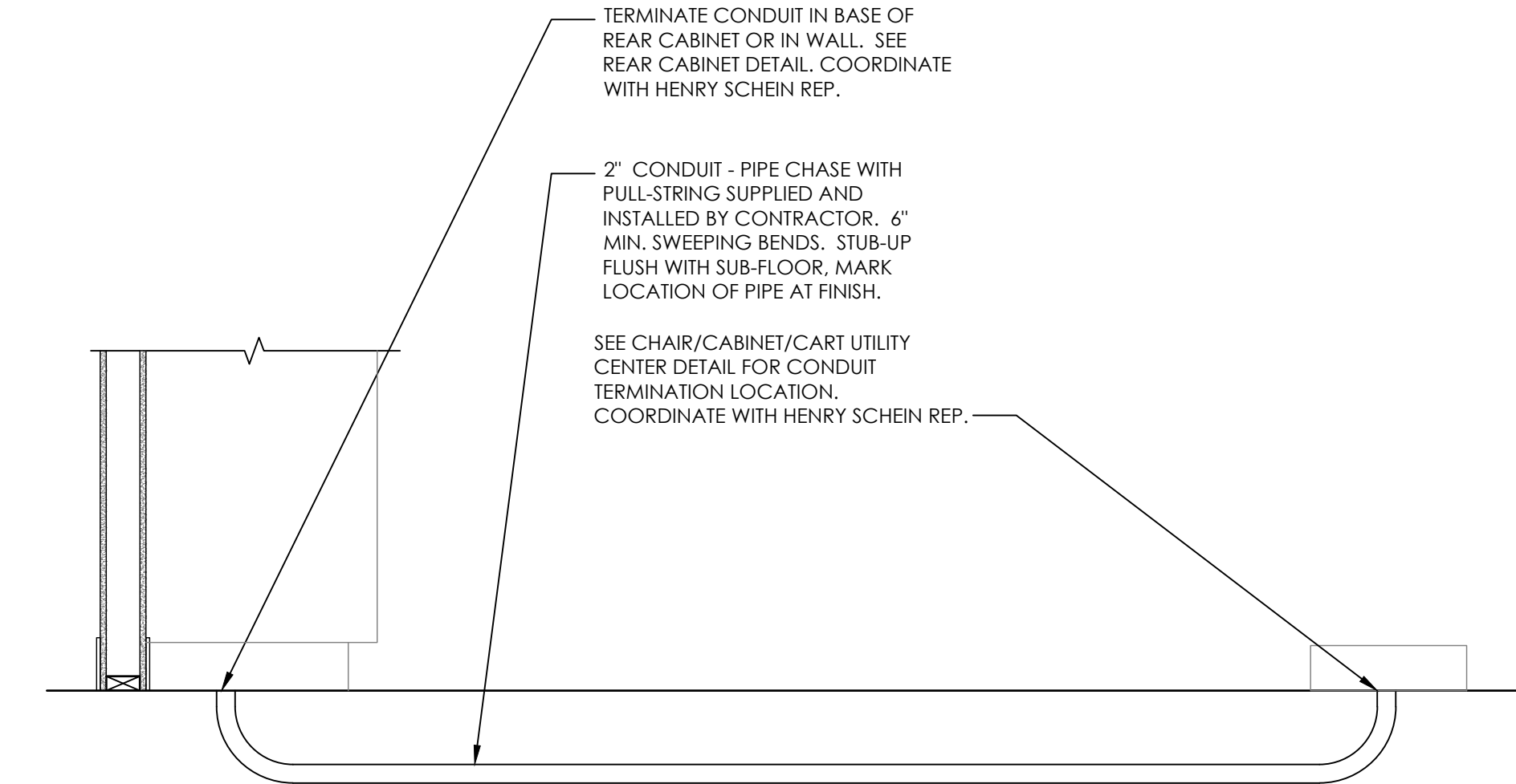
FOLLOW LOCAL CODES FOR ALL WORK.



13 DENTAL AIR LINE

NOT TO SCALE

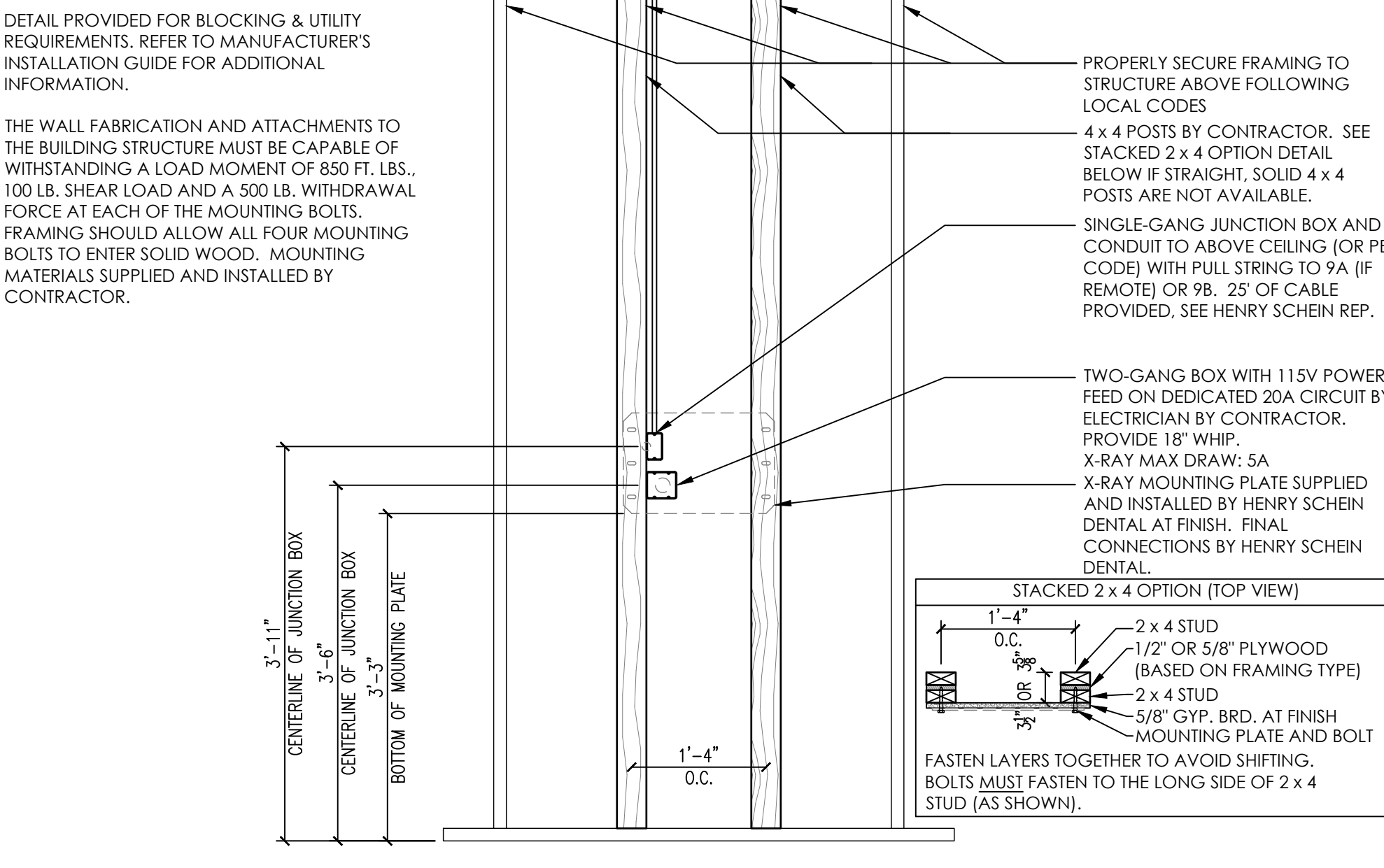
FOLLOW LOCAL CODES FOR ALL WORK.



4A SUB-FLOOR CHASE

NOT TO SCALE

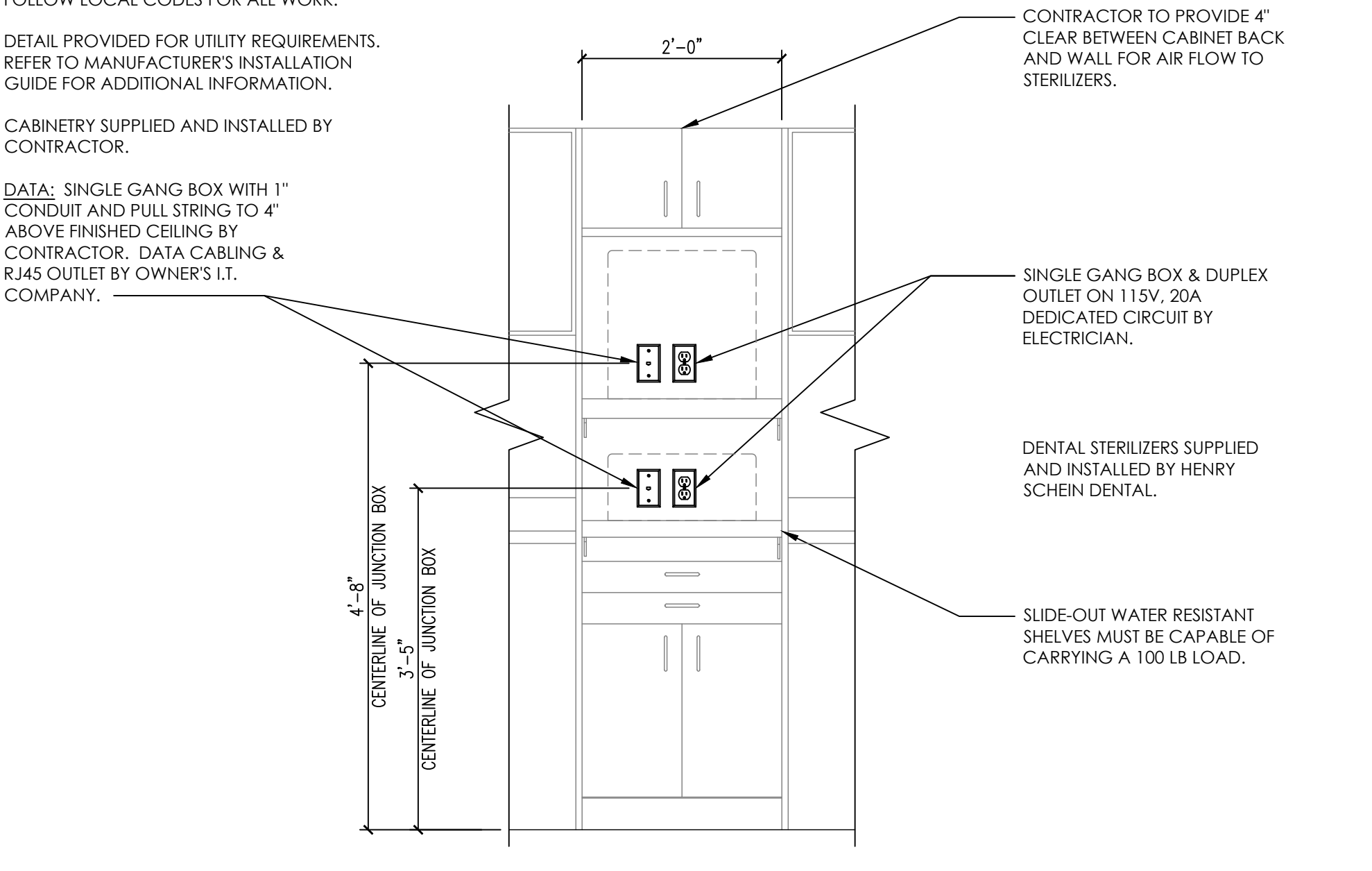
FOLLOW LOCAL CODES FOR ALL WORK.



9 PROGENY PREVA X-RAY

NOT TO SCALE

FOLLOW LOCAL CODES FOR ALL WORK.



14A STERILIZER TOWER

NOT TO SCALE

HENRY SCHEIN
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henryscheinintegrateddesign.com

DR. BRETT URBAN
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REGION:
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REVISIONS:

INT.SQ.FT.= PER ARCH.

SCALE: SEE DETAIL SHT. SIZE: 24 x 36

DENTAL EQUIP. DETAILS

SED.1

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