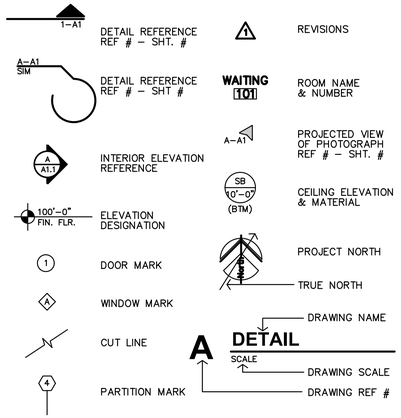
HILLSBORO COMMUNITY CHILD CARE CENTER

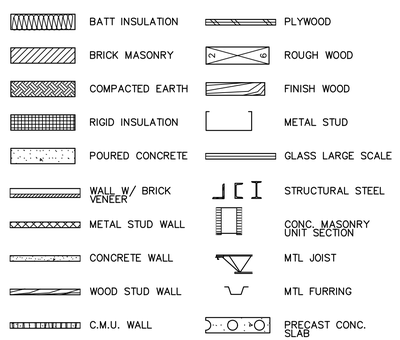
BUILDING REHABILITATION

HILLSBORO, 22-3225 RE KANSAS

REFERENCE LEGEND



MATERIAL LEGEND





JonesGillamRenz

730 N. Ninth St. Salina, KS 67401 785.827.0386

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

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DOCUMENTS RE-ISSUED FOR RE-BID

ALTERNATES

1– OFFICE ADDITION: REMOVE NEW CONSTRUCTION, TACK WALL & ASSOCIATED DEMOLITION.
2– CONCRETE PARKING & ADJACENT LANDSCAPE AREA.
3– REPLACE BASEMENT CEILING TILE ONLY. EXISTING GRID TO REMAIN.. ROOMS: B25, B07 & B40(PORTION)
4– REPLACE BASEMENT CEILING TILE ONLY. EXISTING GRID TO REMAIN. ROOMS: B02, B03, B04, B08, B14, B16, B22, B23, B29, B31, B37, B38 & B42
5– RECEPTION DESK.
6– CONCRETE BASE FOR POURED RUBBER MULCH.
7– CEILING CLOUDS IN CLASSROOMS 143, 156 & 158.
8– CLIMBING WALL.
9– FIRE LINE.

ABBREVIATIONS

&	AND
∠	Angle
@	At
℄	Centerline
ø	Diameter or Round
#	Pound or Number
Acous.	Acoustical
Adj.	Adjustable
A.F.F.	Above Finished Floor
Aggr.	Aggregate
Al.	Aluminium
Approx.	Approximate
Arch.	Architect or Architectural
Asb.	Asbestos
Asph.	Asphalt
A.V.	Audio Visual
Bd.	Board
Bitum.	Bituminous
Bldg.	Building
Blk.	Block
Blk'g.	Blocking
Bm.	Beam
Bot.	Bottom
BO	BY OWNER
Brg.	Bearing
Brk.	Brick
Cab.	Cabinet
Clg.	Ceiling
Clr.	Clear
Cntr.	Counter
Col.	Column
Conc.	Conc. Concrete
C.T.	Ceramic Tile
CMU	Concrete Masonry Unit
Ctr.	Center
Dbl.	Double
Det.	Detail
D.F.	Drinking Fountain
Dia.	Diameter
Dim.	Dimension
Dn.	Down
Dr.	Door
Ds.	Downspout
Dwg.	Drawing
Dwr.	Drawer
(E)	Existing
E.	East or Existing
Ea.	Each
E.J.	Expansion Joint
El.	Elevation
Elec.	Electrical
Elev.	Elevator
Eq.	Equal
Equip.	Equipment
E.W.	Each Way
E.W.C.	Elec. Water Cooler
Exist.	Existing
Expo.	Exposed
Exp.	Expansion
Ext.	Exterior
F.A.	Fire Alarm
F.D.	Floor Drain
Fdn.	Foundation
F.E.	Fire Extinguisher
F.E.C.	F.E. Cabinet
Fin.	Finish
Fl.	Floor
Flash.	Flashing
F.	Flow line
Ft.	Foot or feet
Ftg.	Footing
Furr.	Furring
Fut.	Future
Ga.	Gauge
Galv.	Galvanized
G.B.	Grab Bar
Gl.	Glass
Gnd.	Ground
Gr.	Grade
Gyp.	Gypsum
H.B.	Hose Bibb
H.C.	Hollow Core
Hdwd.	Hardwood
Hdwr.	Hardware
H.M.	Hollow Metal
Horiz.	Horizontal
Hr.	Hour
Hgt.	Height
I.D.	Inside Diameter
Insul.	Insulation
Int.	Interior
Jan	Janitor
Jt.	Joint
Kit.	Kitchen
Lab.	Laboratory
Lam.	Laminate
Lav.	Lavatory
Lkr.	Locker
Lt.	Light
Mas.	Masonry
Max.	Maximum
M.C.	Medicine Cabinet
Mech.	Mechanical
Memb.	Membrane
Met.	Metal
Mfr.	Manufacturer
Mh.	Manhole
Min.	Minimum
Mir.	Mirror
Misc.	Miscellaneous
M.O.	Masonry Opening
Mtd.	Mounted
N.	North
N.I.C.	Not In Contract
No. or #	Number
Nom.	Nominal
N.T.S.	Not To Scale
O/	On or Over
Obs.	Obscure
O.C.	On Center
O.D.	Diameter
Off.	Office
Opng.	Opening
Oppo.	Opposite
P.	Paint
Pl.	Plate
P.Lam.	Plastic Laminate
Plas.	Plaster
Plywd.	Plywood
Pr.	Pair
Pt.	Point
P.T.D.	Paper Towel Dispenser
Ptn.	Partition
P.T.R.	Paper Towel Receptacle
Q.T.	Quarry Tile
R.	Riser
Rad.	Radius
R.D.	Roof Drain
Ref.	Reference
Reinf.	Reinforced
Req'd	Required
Resil.	Resilient
Rm.	Room
R.O.	Rough Opening
S.	South
S.B.	Splash Block
S.C.	Solid Core
Sched.	Schedule
S.D.	Soap Dispenser
Sect.	Section
Shr.	Shower
Sht.	Sheet
Sim.	Similar
S.N.D.	Sanitary Napkin Disp.
S.N.R.	Sanitary Napkin Recep.
Spec.	Specification
Sq.	Square
SST.	Stainless Steel
Std.	Standard
St.	Steel
Stor.	Storage
Strl.	Structural
Susp.	Suspended
S.V.	Sheet Vinyl
Sym.	Symmetrical
Tex.	Texture
T.B.	Towel Bar
T.Bd.	Tack Board
Temp.	Tempered
T.&G.	Tongue & Groove
Thk.	Thick
T.O.M.	Top Of Masonry
T.O.S.	Top Of Steel
T.P.	Top Of Pavement
T.P.D.	Toilet Paper Dispenser
T.V.	Television
T.W.	Tackwall
Typ.	Typical
Trd.	Tread
U.O.N.	Unless Otherwise Noted
Ur.	Urinal
V.C.T.	Vinyl Composition Tile
V.T.	Vinyl Tile
V.B.	Vapor Barrier
Vert.	Vertical
Vest.	Vestibule
Vyl.	Vinyl
W.	West
w/	With
w/o	Without
W.C.	Wall Covering
Wd.	Wood
Wp.	Waterproof
Wdw.	Window
Wsct.	Wainscot
Wt.	Weight

CONSULTANTS

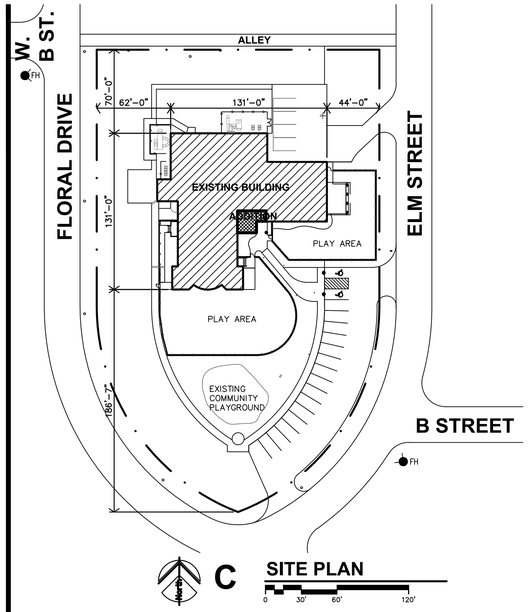
Mechanical & Electrical Engineer ;

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 3-21-2024



C **SITE PLAN**

0 30' 60' 120'

PROJECT INFORMATION

TYPE OF CONSTRUCTION	EXISTING CONSTRUCTION
FACILITY NAME FACILITY ADDRESS	HILLSBORO CHILDCARE CENTER 211 S ELM HILLSBORO, KS 67063
OWNER NAME OWNER ADDRESS	CITY OF HILLSBORO 118 E. GRAND HILLSBORO, KS 67063
REASON FOR SUBMITTAL COUNTY FIRE DEPARTMENT WATER SUPPLY BUILDING INSPECTION DEPT AUTHORITY HAVING JURISDICTION	CHANGE OF USE – CHURCH TO CHILDCARE CENTER MARION CITY OF HILLSBORO CITY OF HILLSBORO CITY OF HILLSBORO CITY OF HILLSBORO
ARCHITECT	JONES GILLAM RENZ ARCHITECTS 730 N. NINTH ST. SALINA, KS 67401 ph: 785–827–0386
CODES/REGULATIONS	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL PLUMBING CODE 2017 NATIONAL ELECTRIC CODE 2018 INTERNATIONAL FIRE CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2010 ADA STANDARDS for ACCESSIBLE DESIGN 2012 NFPA 101 LIFE SAFETY CODE KANSAS FIRE PREVENTION CODE NFPA 72 (2010) – FIRE ALARM SYSTEMS NFPA 13 (2016) – AUTOMATIC SPRINKLER SYSTEMS

NOTE: WHERE LOCALLY ADOPTED CODE (2021 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		FIRE HYDRANT	FH
EMERGENCY/EXIT LIGHT		FIRE ALARM CONTROL PANEL	FACP
EXIT LIGHT		FIRE ALARM ANNUNCIATOR PANEL	FAAP
FIRE EXTINGUISHER	FE	FIRE DEPARTMENT CONNECTION	FDC

	E
OCCUPANCY GROUP (AU – ACCESSORY USE)	CLASSROOM
OCCUPANCY USE	
ROOM SQUARE FOOTAGE/OCCUPANT LOAD FACTOR	900 | 20✱
OCCUPANT LOAD/REQUIRED NUMBER OF EXITS	60 | 2

✱PER KDHE LICENSING MAX OCCUPANCY LOAD IS 35 SF/PERSON

NOTES

GENERAL:

1. OCCUPANCY SHOWN BY ROOM LABEL INDICATES 20sf/OCCUPANT. KDHE OCCUPANT LOAD = 35 SF/OCCUPANT, ACTUAL LICENSED OCCUPANCY SHOWN BY * NOTE
2. NO WORK AT BASEMENT LEVEL.

CODE INFORMATION

OCCUPANCY OVERALL: E CHILDCARE; B OFFICE

OCCUPANCY BASE ALLOWABLE AREA: E 38,000 SF; B 36,000 SF

ALLOWABLE AREA: *(NON–SEPARATED USES. PER IBC SECTION 508.3)*

	E	B
BASE ALLOWABLE	38,000 SF	36,000 SF
FRONTAGE INCREASE (48.8%)	4,636 SF	4,396 SF
ALLOWABLE AREA	42,636 SF	40,396 SF

ALLOWABLE STORIES: E – 2; B – 3 *(PER IBC TABLE 504.4)*

ALLOWABLE HEIGHT: E – 60'; B – 60' *(PER IBC TABLE 504.3)*

CONSTRUCTION TYPE: V–B

ACTUAL BUILDING AREA:

FIRST FLOOR	11,839 SF
BASEMENT	11,165 SF
TOTAL	11,839 SF

(BASEMENT NOT INCLUDED IN TOTAL. PER IBC SECTION 506.1.3)

ACTUAL STORIES: 1

ACTUAL HEIGHT: 27'

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 (EXISTING ASPHALT SHINGLED ROOF ASSUMED CLASS C)

INCIDENTAL SEPARATIONS: *(PER IBC TABLE 509)*
NONE REQUIRED

SPECIAL CONDITIONS:
EXIT & EMERGENCY LIGHTING, PORTABLE FIRE EXTINGUISHERS, MANUAL FIRE ALARM
EGRESS – NO STEPS EXISTING OR PROPOSED AT REQUIRED EXITS

FIRE ALARM REQUIREMENTS:
PROVIDED – MANUAL FIRE ALARM SYSTEM PER NFPA 72
SIGNALING SYSTEM IS AUDIBLE/VISUAL PER NFPA 72 & ADA INSTALLED THROUGHOUT
INITIATING DEVICES: PULL STATIONS
MONITORING BY THIRD PARTY COMPANY

AUTOMATIC FIRE SUPPRESSION SYSTEM:
PROVIDED PER NFPA 13 SPRINKLER SYSTEM
SPRINKLER SYSTEM ENGINEER/DESIGNER. TO BE SUBMITTED TO KSFMO.

INTEGRAL FIRE SUPPRESSION AT COOKING EQUIPMENT (U.L.300).

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

DRAFTSTOPPING:
EXISTING BUILDING CONSTRUCTED 1966 W/ WOOD FRAMING
NOT REQUIRED PER 718.4 ex,.(FULLY SPRINKLED)

ASSEMBLY
SIGNS TO BE MOUNTED IN ASSEMBLY AREAS OF MAXIMUM OCCUPANT LOAD

TOTAL OCCUPANT LOAD: 506 OCCUPANTS (CALCULATED)
(REF PLAN FOR ACTUAL OCCUPANT LOAD)

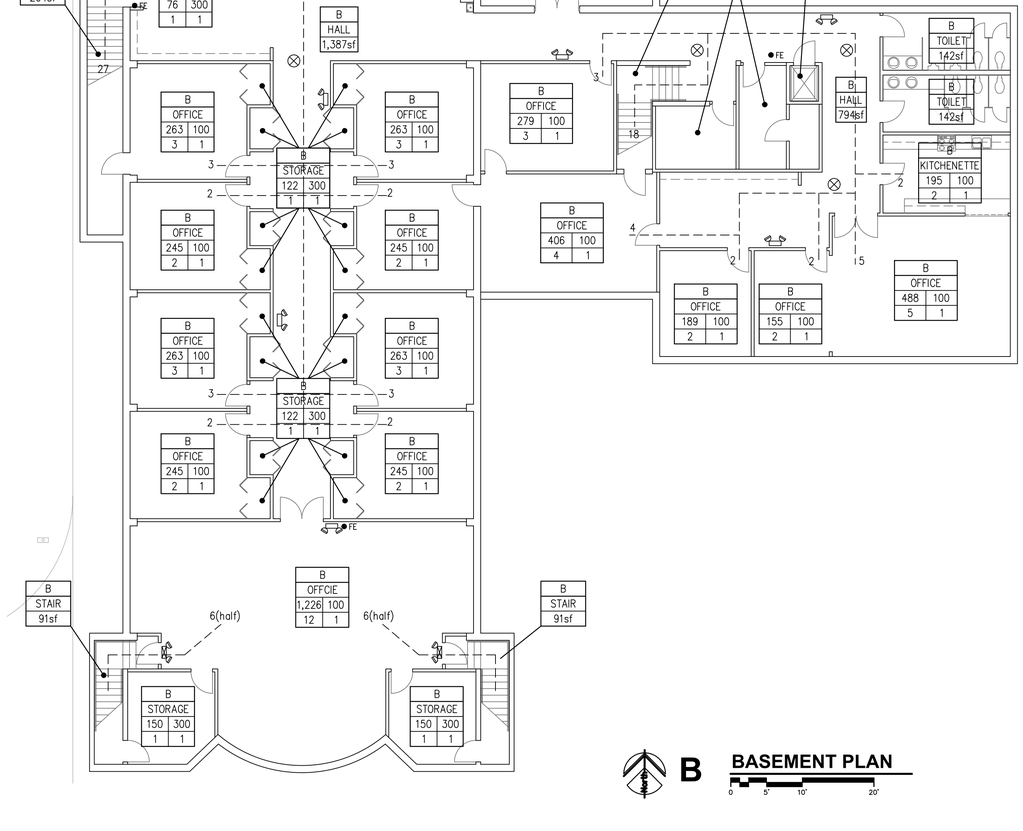
EXITING: REFERENCE PLAN

OCCUPANT LOAD FACTORS: *(PER TABLE 1004.5 and 1006.3)*

OCCUPANCY	USE	LOAD FACTOR	MAX. OCC. PER STORY – 1 EXIT
E	CHILDCARE	35 sf/OCCUPANT	49
E	BUSINESS AREAS	100 sf/OCCUPANT	49
E	EDUCATION	20 sf/OCCUPANT	(NOT APPLICABLE)

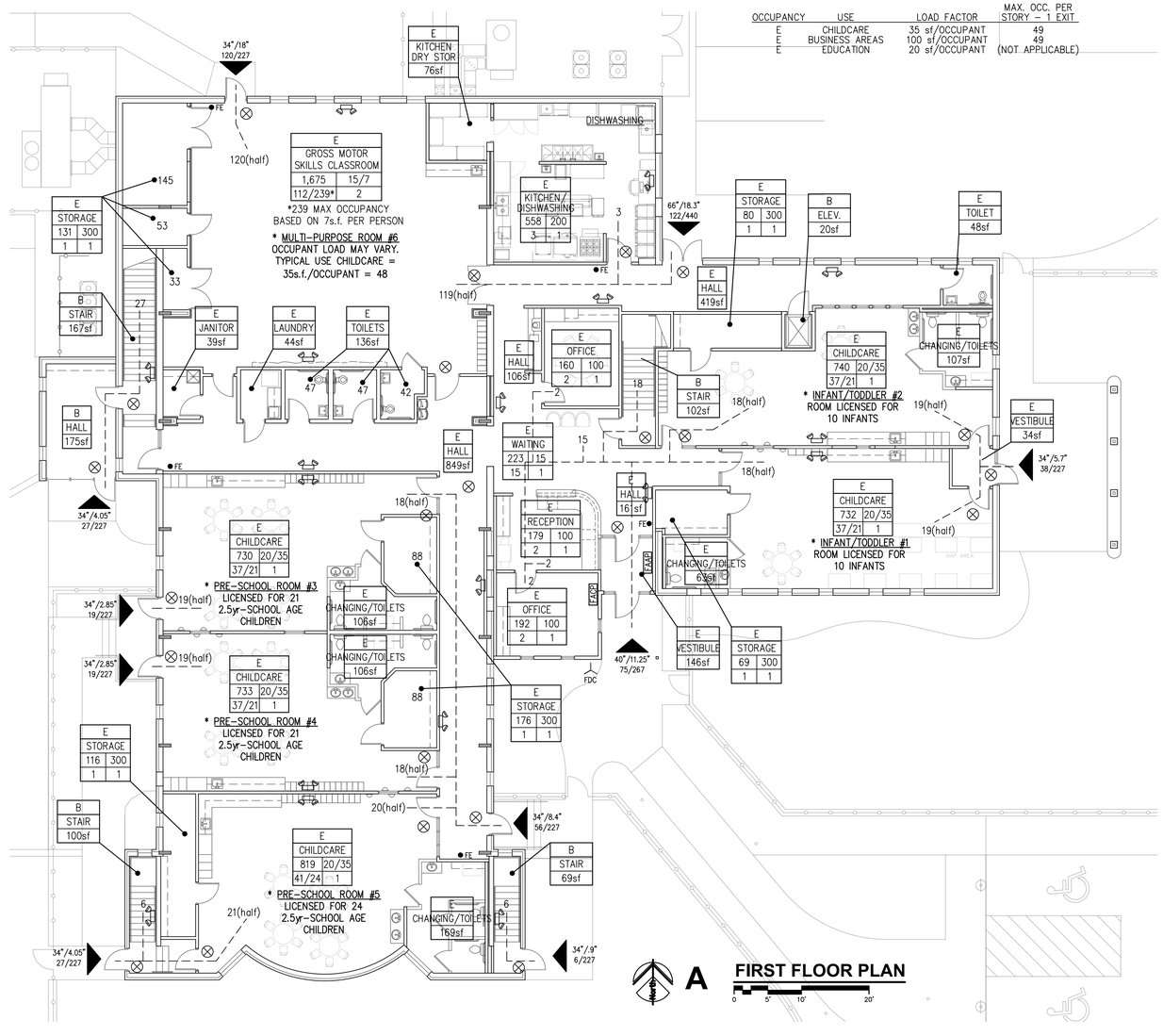
FIRE FLOW CALCULATIONS

FIRE FLOW (IFC APPENDIX B)
BUILDING AREA 11,839 S.F; TYPE V–B CONSTRUCTION
REQUIRED: FIRE FLOW PER TABLE B105.1 3,000 GPM @ 20 PSI RESIDUAL
REDUCTION: PER TABLE B105.2 (25%) 750 GPM = 2,250 GPM MIN.
–REQUIRED FIRE FLOW SHALL BE IDENTIFIED BY FIRE SPRINKLER SYSTEM DESIGNER



B **BASEMENT PLAN**

0 5' 10' 20'



A **FIRST FLOOR PLAN**

0 5' 10' 20'

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

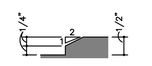
CHARLES A. RENZ KANSAS LICENSED ARCHITECT 5502 3–21–2024 PROFESSIONAL ARCHITECT

REVISION:

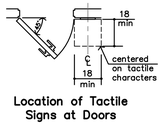
DATE: 3–21–2024
JOB: 22–3225 RE
SHEET NO.:

CFP

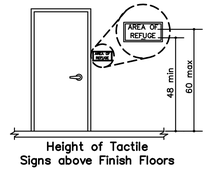
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Beveled Change in Level



Location of Tactile Signs at Doors



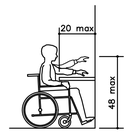
Height of Tactile Signs above Finish Floors

L THRESHOLD ADA DIAGRAMS

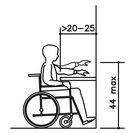
NO SCALE

K TACTILE SIGN DIAGRAM

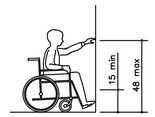
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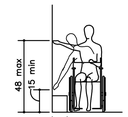


Obstructed High Forward Reach

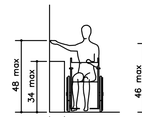


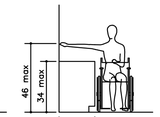
Unobstructed Forward Reach





Unobstructed Side Reach

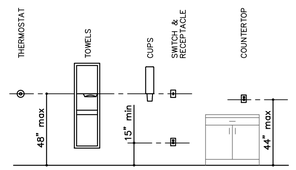




Obstructed High Side Reach

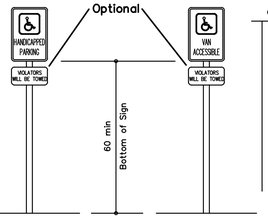
J STANDARD REACH ADA DIAGRAMS

NO SCALE



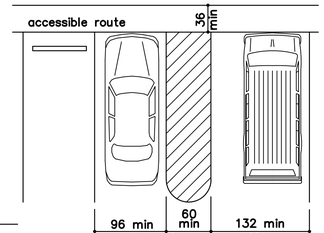
H STANDARD CONTROL REACH LIMITATIONS DETAILS

NO SCALE

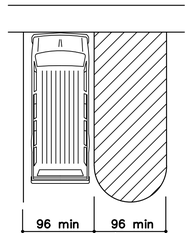


Typical Handicapped Parking Signage

Van Accessible Handicapped Parking Signage



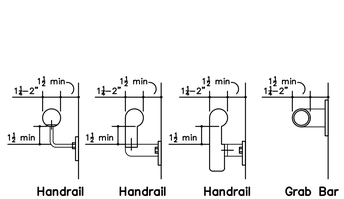
Handicap Accessible Parking Stalls



Van Accessible Parking Stall (per 502.2 exception)

G STANDARD PARKING ADA DIAGRAMS

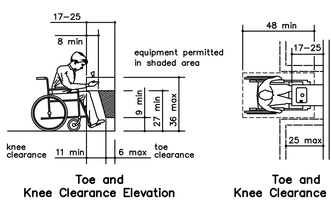
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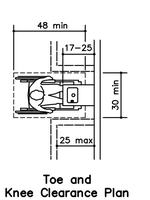
Handrail Handrail Handrail Grab Bar

F STANDARD HANDRAIL/GRAB BAR DETAILS

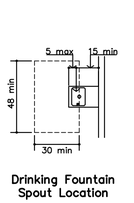
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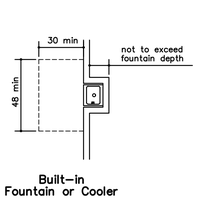
Toe and Knee Clearance Elevation



Toe and Knee Clearance Plan



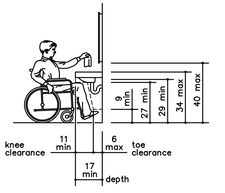
Drinking Fountain Spout Location



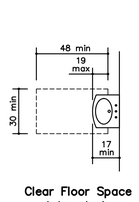
Built–in Fountain or Cooler

E STANDARD DRINKING FOUNTAIN DETAILS

NO SCALE



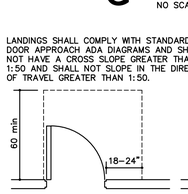
Lavatory Clearances



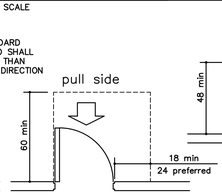
Clear Floor Space at Lavatories

D STANDARD LAVATORY DETAILS

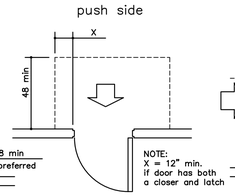
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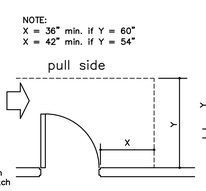
Exterior Landing



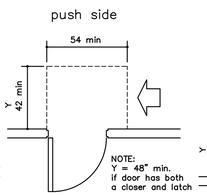
Front Approach – Swinging Door



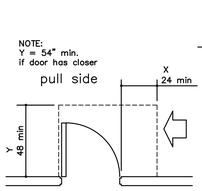
Front Approach – Swinging Door



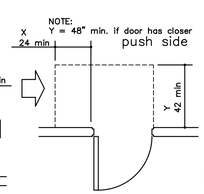
Hinge Side Approach – Swinging Door



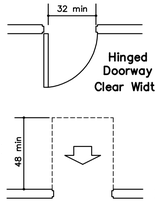
Side Approach – Swinging Door



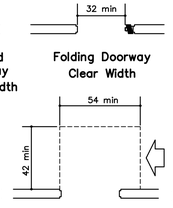
Latch Side Approach Swinging Door



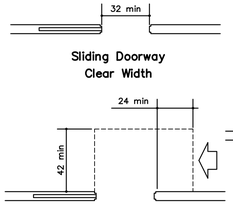
Latch Side Approach Swinging Door



Front Approach – Sliding or Folding Doors



Side Approach – Sliding or Folding Doors

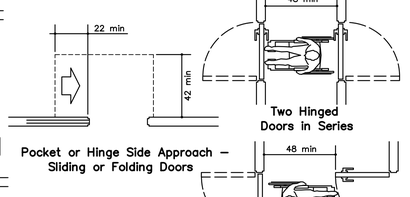


Stop or Latch Side Approach – Sliding or Folding Doors

Hinged Doorway Clear Width

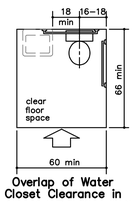
Folding Doorway Clear Width

Sliding Doorway Clear Width

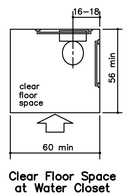


C STANDARD DOOR APPROACH ADA DIAGRAMS

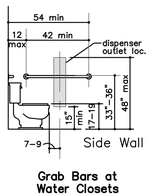
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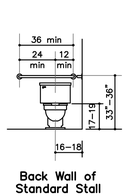
Overlap of Water Closet Clearance in Residential Dwelling Units (Exception)



Clear Floor Space at Water Closet



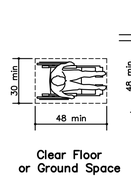
Grab Bars at Water Closets



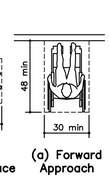
Back Wall of Standard Stall

B STANDARD TOILET ADA DIAGRAMS

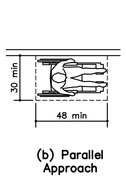
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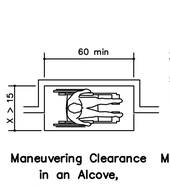
Clear Floor or Ground Space



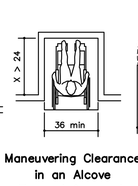
(a) Forward Approach



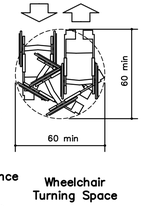
(b) Parallel Approach



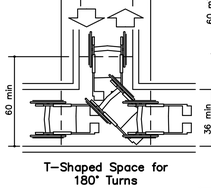
Maneuvering Clearance in an Alcove, Parallel Approach



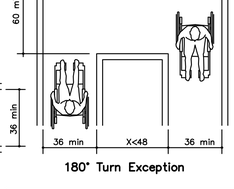
Maneuvering Clearance in an Alcove Forward Approach



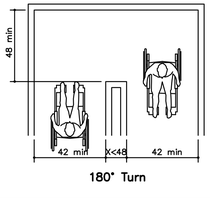
Wheelchair Turning Space



T–Shaped Space for 180° Turns



180° Turn Exception



180° Turn

A STANDARD ADA DIAGRAMS

NO SCALE

FOR REFERENCE ONLY

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

CHARLES S. RENZ LICENSED ARCHITECT 5502 3-21-2024 KANSAS PROFESSIONAL ARCHITECT

REVISION:

DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

ADA

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SITE DEMOLITION NOTES

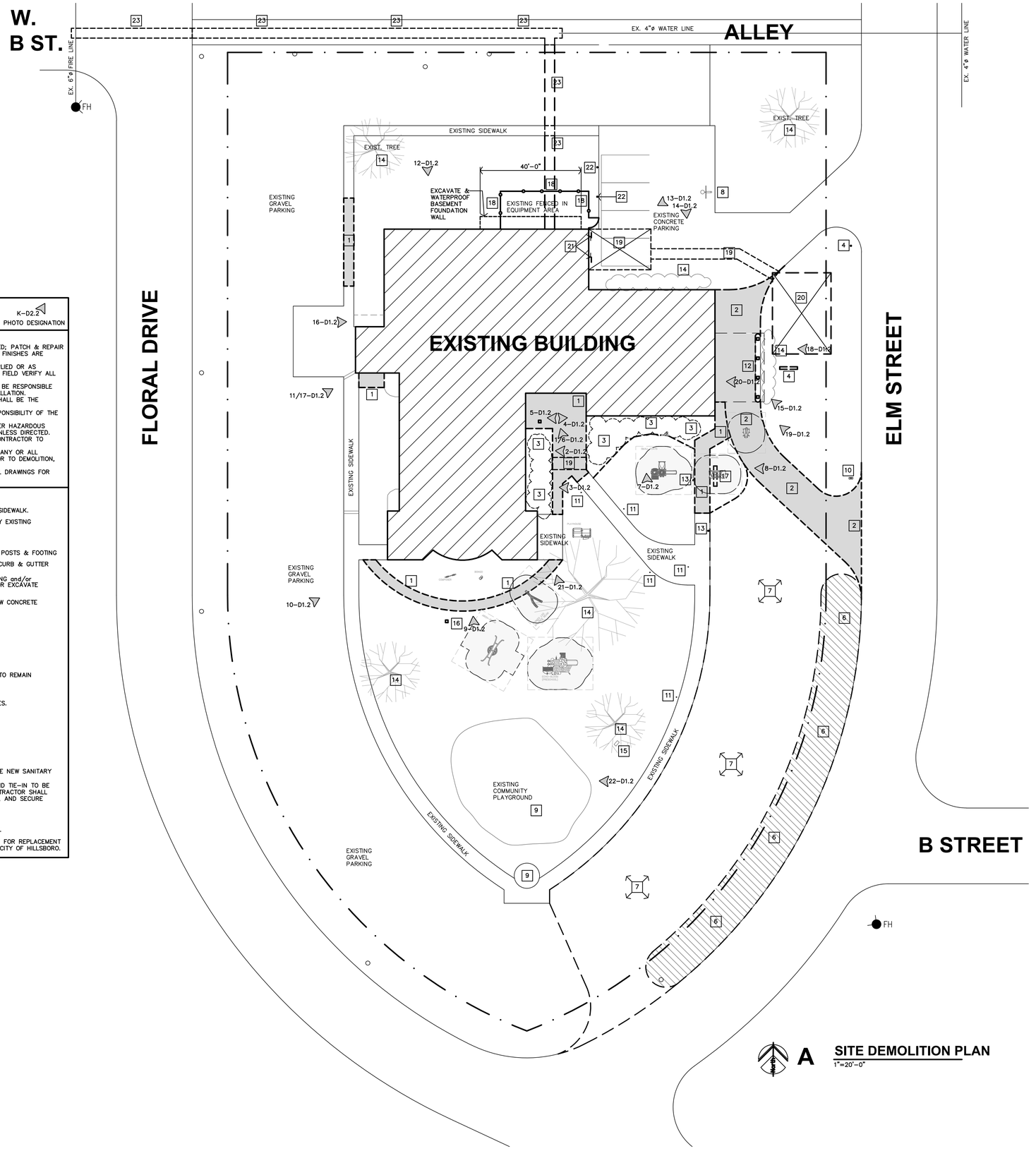
K–D2.2 PHOTO DESIGNATION

GENERAL

1. WHERE EXIST. BLDG. COMPONENTS ARE TO BE REMOVED; PATCH & REPAIR THE SURFACES TO MATCH EXIST. FINISH, UNLESS NEW FINISHES ARE CALLED FOR IN THE FINISH SCHEDULE.
2. REMOVE EXIST. BLDG. COMPONENTS AS INDICATED, IMPLIED OR AS REQUIRED SCHEMATICALLY SHOWN AS DASHED LINES. FIELD VERIFY ALL LOCATIONS.
3. THE ELECTRICAL & MECHANICAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CORE DRILLING FOR PIPING & CONDUIT INSTALLATION.
4. ALL OTHER CUTTING, PATCHING & FINISHING, U.N.O. SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
5. SHORING OF EXISTING STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
6. NOTIFY ARCHITECT IMMEDIATELY IF ASBESTOS OR OTHER HAZARDOUS MATERIAL IS SUSPECTED ON SITE. DO NOT DISTURB UNLESS DIRECTED.
7. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE DEMOLITION BY DIFFERING TRADES.
8. CONTRACTOR COORDINATE SCHEDULE & LOCATION OF ANY OR ALL EXISTING RECEPTACLES, SWITCHES, DEVICES, ETC. PRIOR TO DEMOLITION, RELOCATE OR ABANDON ACCORDINGLY.
9. COORDINATE & REFERENCE MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND DETAILS

SPECIFIC

1. SAWCUT & REMOVE EXISTING PORTION OF CONCRETE SIDEWALK.
2. SAWCUT & REMOVE EXISTING CONCRETE DRIVE. MODIFY EXISTING ENTRANCE PER PROPOSED SITE PLAN.
3. REMOVE EXISTING LANDSCAPING & EDGING
4. REMOVE EXISTING POST MOUNTED SIGNAGE INCLUDING POSTS & FOOTING
5. SAWCUT & REMOVE PORTION OF EXISTING CONCRETE CURB & GUTTER FOR NEW CONCRETE ENTRANCE.
6. REMOVE EXISTING GRAVEL. PREP FOR NEW LANDSCAPING and/or GRASS AREAS. LANDSCAPING BY OWNER. CONTRACTOR EXCAVATE EXIST. ROCK & PROVIDE NEW SOIL & 4" TOIL SOIL.
7. REMOVE EXISTING GRAVEL PARKING AS REQ'D FOR NEW CONCRETE PARKING PER BASE BID & ALTERNATE #2.
8. EXISTING BASKETBALL GOAL TO REMAIN
9. EXISTING COMMUNITY PLAYGROUND TO REMAIN
10. EXISTING MAILBOX TO REMAIN
11. EXISTING SIDEWALK LIGHTING TO REMAIN
12. EXISTING CONCRETE ISLAND @ EXIST. PORTE COHERE TO REMAIN
13. REMOVE EXISTING SIDEWALK LIGHTING.
14. EXISTING TREE & VEGETATION TO REMAIN. TRIM HEDGES.
15. EXISTING MINI LIBRARY BOX TO REMAIN.
16. REMOVE EXISTING FLAG POLE BASE & FOOTING.
17. REMOVE EXISTING STONE SIGNAGE INCLUDING FOOTING.
18. REMOVE EXISTING CHAINLINK FENCE & FOOTING, ETC.
19. REMOVE PORTION OF CONCRETE AS REQUIRED FOR THE NEW SANITARY WASTER LINE. REF. MEP DRAWINGS
20. AREA OF EXCAVATION REQUIRED FOR SEWER LINES AND TIE–IN TO BE DETERMINED BY GENERAL/UTILITY CONTRACTOR. CONTRACTOR SHALL TAKE ALL OSHA PRECAUTIONS, SHORE/STABILIZE SITE, AND SECURE AREA OF UTILITY TIE–IN.
21. REMOVE EXISTING WALL MOUNTED PARKING SIGNAGE.
22. REMOVE EXISTING POST, FOOTING & PARKING SIGNAGE.
23. REMOVE PORTION OF CONCRETE/GRAVEL AS REQUIRED FOR REPLACEMENT FIRE LINE. REF. MEP DRAWINGS AND COORDINATE W/ CITY OF HILLSBORO.



A **SITE DEMOLITION PLAN**
1"=20'–0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
HILLSBORO, KANSAS

CHARLES A. RENZ
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3–21–2024
KANSAS
PROFESSIONAL ARCHITECT

REVISION:

DATE: 3–21–2024
JOB: 22–3225 RE
SHEET NO.:

D1.1

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22 PHOTOGRAPH
NO SCALE



21 PHOTOGRAPH
NO SCALE



17 PHOTOGRAPH
NO SCALE



16 PHOTOGRAPH
NO SCALE



15 PHOTOGRAPH
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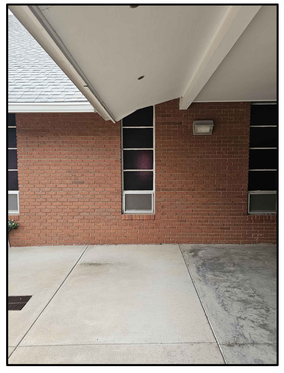
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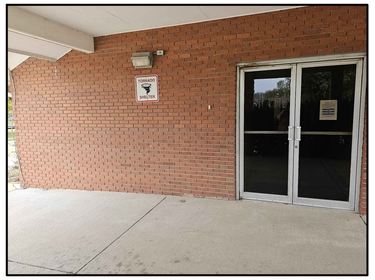
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18 PHOTOGRAPH
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12 PHOTOGRAPH
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7 PHOTOGRAPH
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1 PHOTOGRAPH
NO SCALE

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D1.2

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DEMOLITION NOTES

K–D2.2
PHOTO DESIGNATION

GENERAL

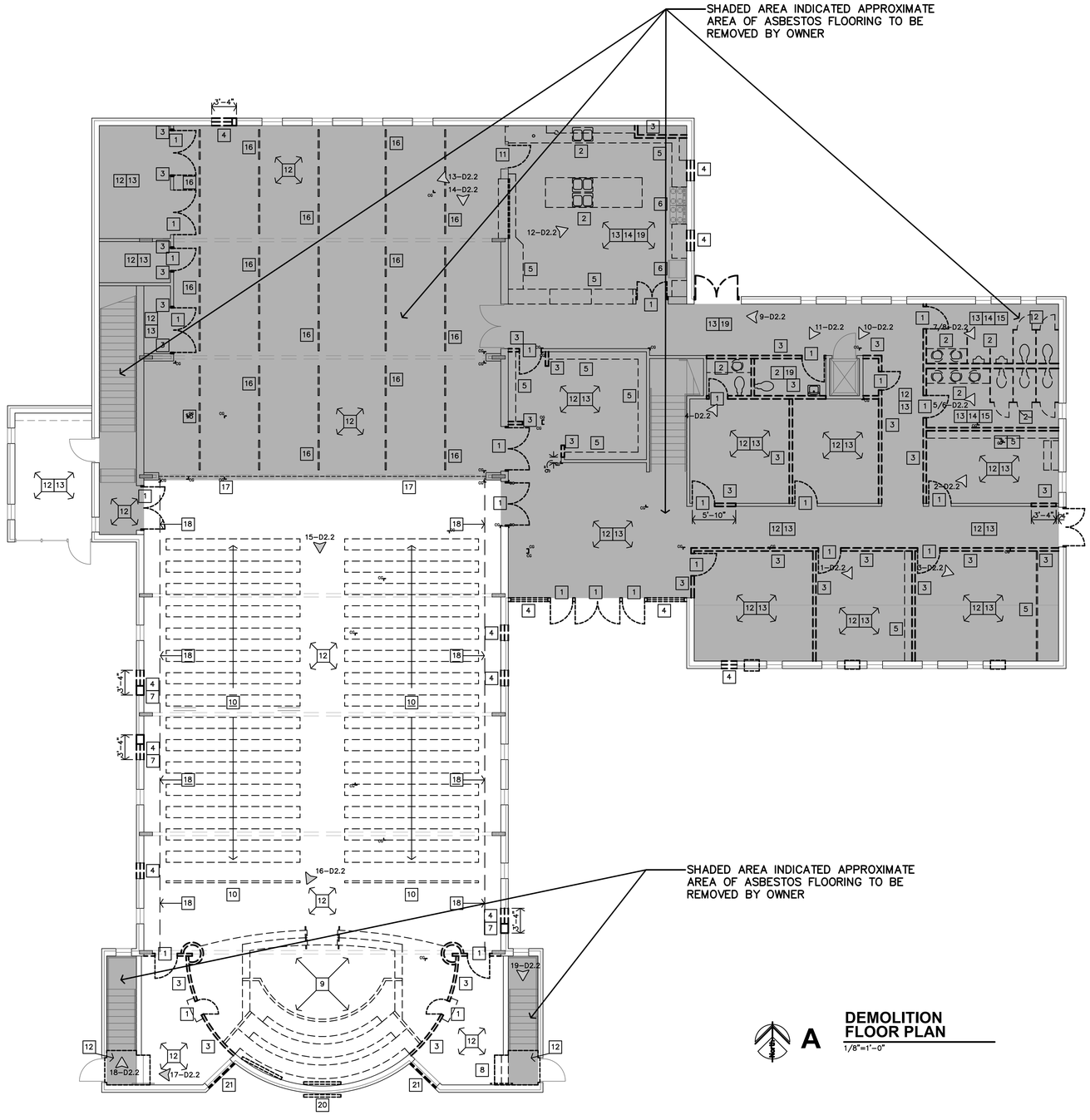
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9. COORDINATE & REFERENCE MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND DETAILS

FIRST FLOOR SPECIFIC

1. REMOVE EXISTING WOOD DOOR & H.M./WOOD FRAME
2. REMOVE EXISTING SINKS, TOILETS, PARTITIONS, ACCESSORIES & ASSOCIATED PLUMBING. REF. MECH DWGS.
3. REMOVE EXISTING G.B. & WOOD STUD WALL
4. REMOVE EXISTING WINDOW
5. REMOVE EXISTING CASEWORK
6. REMOVE EXISTING KITCHEN APPLIANCE
7. SAWCUT & REMOVE PORTION OF EXISTING MASONRY WALL FOR NEW OPENING. INSTALL NEW STL. LINTEL
8. REMOVE/ADJUST EX. STEPS AS REQ'D FOR NEW WALL & FRAMING AT EXISTING OPENING
9. REMOVE EXISTING STAGE, SEATING, LOW WALLS, WALL DECORATIONS, ETC. TO CONCRETE FLOOR STRUCTURE
10. REMOVE EXISTING PEWS & DIVIDING WALL
11. REMOVE EXISTING WOOD DOOR. H.M. FRAME TO REMAIN.
12. REMOVE EXISTING CARPET & RUBBER/WOOD BASE.
13. REMOVE EXISTING SUSPENDED CEILING GRID, TILE, ETC.
14. REMOVE EXISTING CERAMIC TILE FROM WALLS THAT REMAIN. PREP FOR NEW WALL FINISH.
15. REMOVE EXISTING CERAMIC TILE FLOORING. PREP STRUCT FOR NEW FLOORING.
16. REMOVE EXISTING ACOUSTICAL SOUND PANELS.
17. REMOVE EXISTING ACCORDION WALL, TRACK/HARDWARE, ETC.
18. REMOVE EXISTING LIGHT SOFFIT.
19. REMOVE EXISTING VCT FLOORING & RUBBER/ WOOD BASE. PREP STRUCT FOR NEW FLOORING & BASE.
20. REMOVE EXISTING CROSS WALL ACCENT.
21. REMOVE EXISTING WINDOW INFILL. VERIFY EXISTING WINDOW IS STILL IN PLACE AND NO GLASS PANELS ARE BROKEN.

BASEMENT SPECIFIC

51. BASE BID: REMOVE EXISTING CEILING TILE & GRID.
52. ALTERNATE #3: REMOVE EXISTING CEILING TILE. GRID TO REMAIN.
53. ALTERNATE #4: REMOVE EXISTING CEILING TILE. GRID TO REMAIN.



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

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
HILLSBORO, KANSAS

CHARLES A. RENZ
5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

REVISION:

DATE: 3–21–2024
JOB: 22–3225 RE
SHEET NO.:

D2.1

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DEMOLITION NOTES

K-D2.2
PHOTO DESIGNATION

GENERAL

1. WHERE EXIST. BLDG. COMPONENTS ARE TO BE REMOVED; PATCH & REPAIR THE SURFACES TO MATCH EXIST. FINISH, UNLESS NEW FINISHES ARE CALLED FOR IN THE FINISH SCHEDULE.
2. REMOVE EXIST. BLDG. COMPONENTS AS INDICATED, IMPLIED OR AS REQUIRED SCHEMATICALLY SHOWN AS DASHED LINES. FIELD VERIFY ALL LOCATIONS.
3. THE ELECTRICAL & MECHANICAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CORE DRILLING FOR PIPING & CONDUIT INSTALLATION.
4. ALL OTHER CUTTING, PATCHING & FINISHING, U.N.O. SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
5. SHORING OF EXISTING STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
6. NOTIFY ARCHITECT IMMEDIATELY IF ASBESTOS OR OTHER HAZARDOUS MATERIAL IS SUSPECTED ON SITE. DO NOT DISTURB UNLESS DIRECTED.
7. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE DEMOLITION BY DIFFERING TRADES.
8. CONTRACTOR COORDINATE SCHEDULE & LOCATION OF ANY OR ALL EXISTING RECEPTACLES, SWITCHES, DEVICES, ETC. PRIOR TO DEMOLITION, RELOCATE OR ABANDON ACCORDINGLY.
9. COORDINATE & REFERENCE MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND DETAILS

FIRST FLOOR SPECIFIC

1. REMOVE EXISTING WOOD DOOR & H.M./WOOD FRAME
2. REMOVE EXISTING SINKS, TOILETS, PARTITIONS, ACCESSORIES & ASSOCIATED PLUMBING. REF. MECH DWGS.
3. REMOVE EXISTING G.B. & WOOD STUD WALL
4. REMOVE EXISTING WINDOW
5. REMOVE EXISTING CASEWORK
6. REMOVE EXISTING KITCHEN APPLIANCE
7. SAWCUT & REMOVE PORTION OF EXISTING MASONRY WALL FOR NEW OPENING. INSTALL NEW STL. LINTEL
8. REMOVE/ADJUST EX. STEPS AS REQ'D FOR NEW WALL & FRAMING AT EXISTING OPENING
9. REMOVE EXISTING STAGE, SEATING, LOW WALLS, WALL DECORATIONS, ETC. TO CONCRETE FLOOR STRUCTURE
10. REMOVE EXISTING PEWS & DIVIDING WALL
11. REMOVE EXISTING WOOD DOOR. H.M. FRAME TO REMAIN.
12. REMOVE EXISTING CARPET & RUBBER/WOOD BASE.
13. REMOVE EXISTING SUSPENDED CEILING GRID, TILE, ETC.
14. REMOVE EXISTING CERAMIC TILE FROM WALLS THAT REMAIN. PREP FOR NEW WALL FINISH.
15. REMOVE EXISTING CERAMIC TILE FLOORING. PREP STRUCT FOR NEW FLOORING.
16. REMOVE EXISTING ACOUSTICAL SOUND PANELS.
17. REMOVE EXISTING ACCORDION WALL, TRACK/HARDWARE, ETC.
18. REMOVE EXISTING LIGHT SOFFIT.
19. REMOVE EXISTING VCT FLOORING & RUBBER/ WOOD BASE. PREP STRUCT FOR NEW FLOORING & BASE.
20. REMOVE EXISTING CROSS WALL ACCENT.
21. REMOVE EXISTING WINDOW INFILL. VERIFY EXISTING WINDOW IS STILL IN PLACE AND NO GLASS PANELS ARE BROKEN.

BASEMENT SPECIFIC

51 BASE BID: REMOVE EXISTING CEILING TILE & GRID.

52 ALTERNATE #3: REMOVE EXISTING CEILING TILE. GRID TO REMAIN.

53 ALTERNATE #4: REMOVE EXISTING CEILING TILE. GRID TO REMAIN.



A1.1 **A** **DEMOLITION BASEMENT CEILING PLAN**
1/8"=1'-0"

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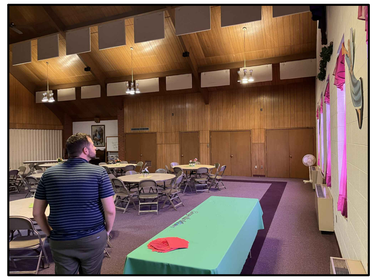
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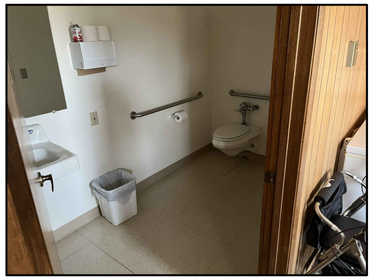
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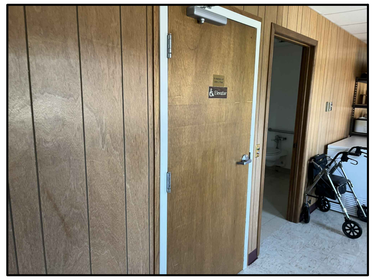
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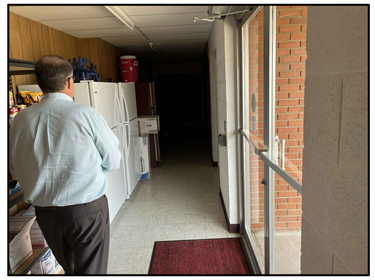
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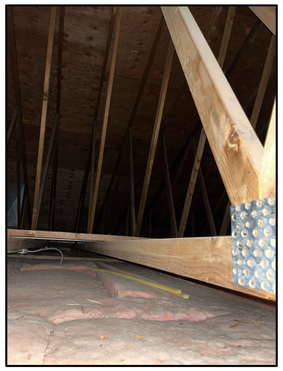
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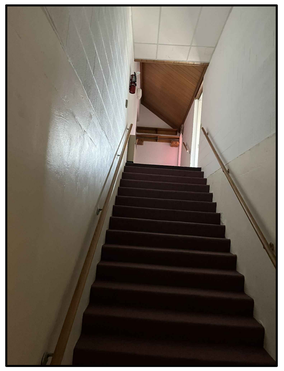
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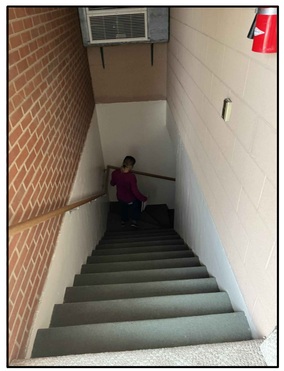
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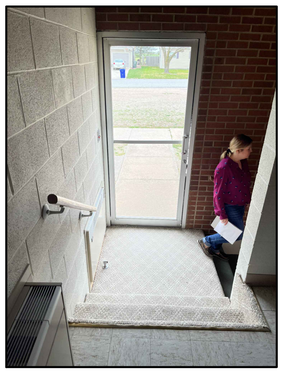
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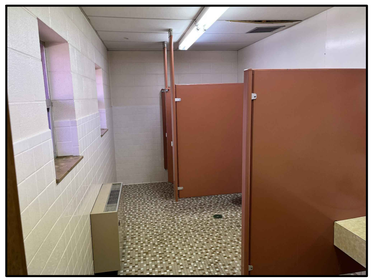
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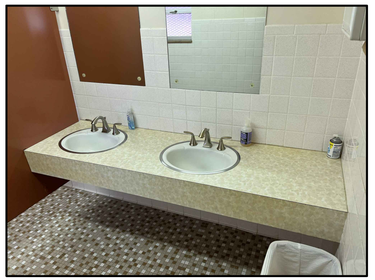
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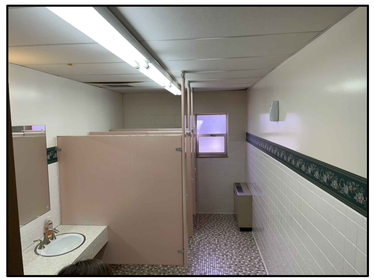
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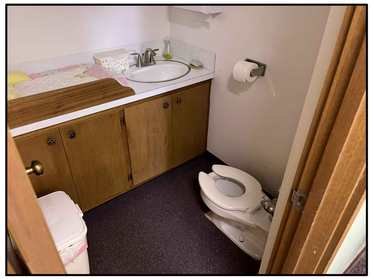
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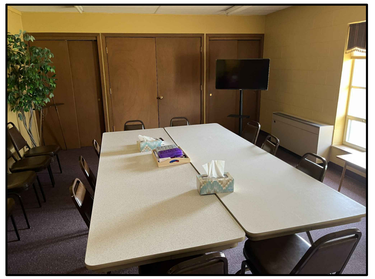
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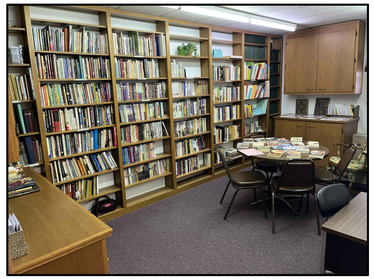
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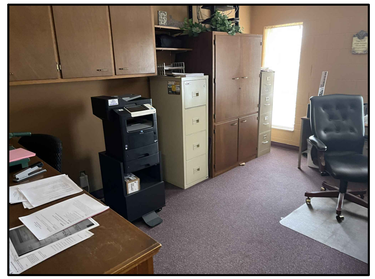
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JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
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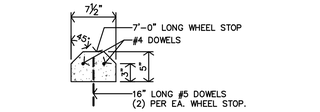
CHARLES A. RENZ
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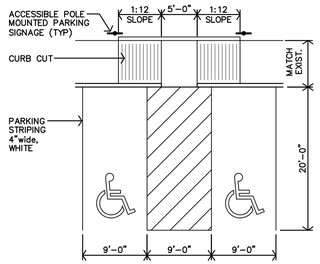
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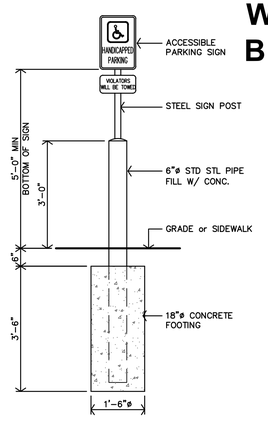
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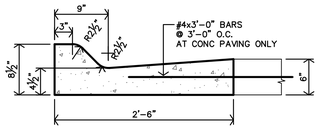
J WHEEL STOP DETAIL
1"=1'-0"



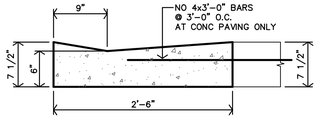
H TYPICAL ACCESSIBLE PARKING DETAIL
1"=1'-0"
FOR ACCESSIBLE DIMENSIONS & LOCATION ONLY



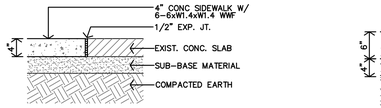
G ACCESSBILE PARKING BALLARD/SIGNAGE
1"=1'-0"



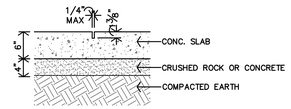
E TYPICAL CURB & GUTTER DETAIL
1"=1'-0"



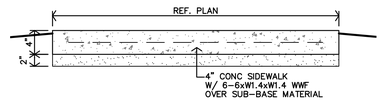
F TYPICAL CONCRETE ENTRANCE CURB DTL.
3/4"=1'-0"



C TYPICAL SIDEWALK CONNECTION DTL.
3/4"=1'-0"



D TYPICAL CONCRETE CONTROL JOINT DTL.
3/4"=1'-0"



B TYPICAL SIDEWALK DETAIL
1"=1'-0"

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 NEW CONCRETE ABUTS THE BUILDING, PROVIDE ¾" EXPANSION JOINT MATERIAL & SEAL TOP WITH SELF-LEVELING SEALANT.
4. INSTALL EXPANSION JOINTS IN CONCRETE SIDEWALK PAVING AT ±60" 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 ½" 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. NEW PEDESTRIAN SIDEWALKS SHALL NOT HAVE A CROSS SLOPE GREATER THAN 1:50 AND SHALL NOT SLOPE IN THE DIRECTION OF TRAVEL GREATER THAN 1:20.
9. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE REQUIREMENTS OF THE UTILITY COMPANIES AND THE CITY OF HILLSBORO.
10. ALL DAMAGED PAVING AND LANDSCAPING CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.

ALTERNATES

1- OFFICE ADDITION: REMOVE NEW CONSTRUCTION, TACK WALL & ASSOCIATED DEMOLITION.
2- CONCRETE PARKING & ADJACENT LANDSCAPE AREA.
3- REPLACE BASEMENT CEILING TILE ONLY. EXISTING GRID TO REMAIN.. ROOMS: B25, B07 & B40(PORTION)
4- REPLACE BASEMENT CEILING TILE ONLY. EXISTING GRID TO REMAIN. ROOMS: B02, B03, B04, B08, B14, B16, B22, B23, B29, B31, B37, B38 & B42
5- RECEPTION DESK.
6- CONCRETE BASE FOR POURED RUBBER MULCH.
7- CEILING CLOUDS IN CLASSROOMS 143, 156 & 158.
8- CLIMBING WALL.
9- FIRE LINE.

LANDSCAPING NOTES

L1. AT ALL REMOVED SIDEWALKS, DRIVES & PARKING (BASE BID):
- CONTRACTOR TO ADD 2" OF TOP SOIL, FINE GRADED & RE-SEED AREA.
- AREAS SHALL BE FREE OF ROCKS AND CLUMPS AS SUITABLE FOR SEEDING.

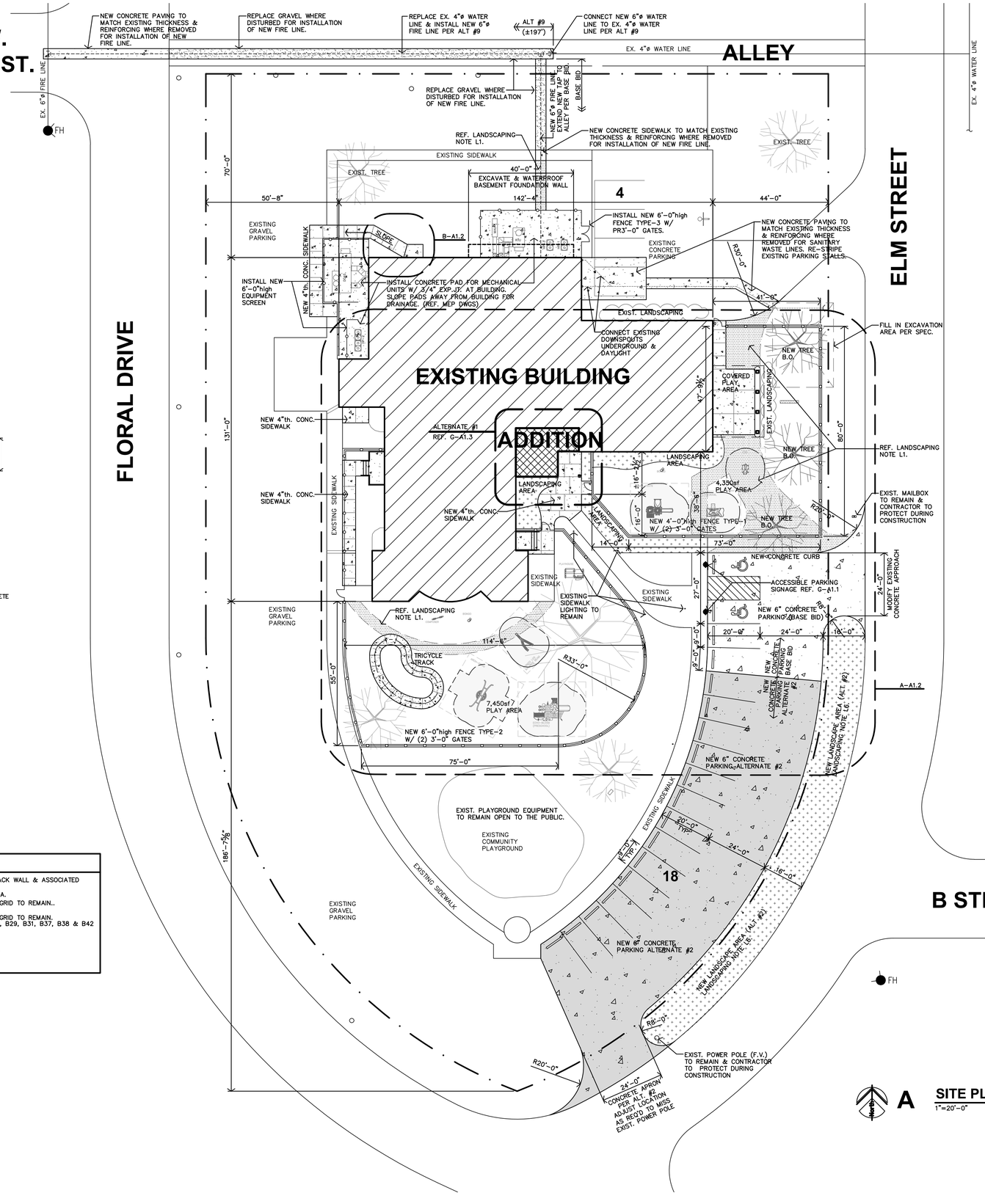
L2. NEW LANDSCAPING AREAS (BASE BID):
- ADJACENT TO STREET: CONTRACTOR EXCAVATE EXIST. ROCK & PROVIDE NEW SOIL & 4" TOIL SOIL
- CONTRACTOR TO INSTALL 4" TOP SOIL, FABRIC WEED BARRIER & 4" MULCH.
- TOP OF MULCH TO BE 1"min BELOW FINISH FLOOR.
- AREA ADJACENT TO PARKING & ELM STREET SHALL RECEIVE 2" OF TOP SOIL, FINE GRADED & RE-SEED AREA. AREA TO BE FREE OF ROCKS AND CLUMPS AS SUITABLE FOR SEEDING.

L3. ALL NEW PLANTINGS ARE BY OWNER.

L4. F.V. EXISTING TREES TO REMAIN. CONTRACTOR TO PROTECT DURING CONSTRUCTION. TREES THAT WILL BE IN THE PLAY AREA ARE TO BE TRIMMED. LOWER BRANCHES TO 6'-0" ABV. GRADE BY LICENSED LANDSCAPER.

L5. EXISTING HEDGES &/or REMAINING LANDSCAPING ARE TO BE TRIMMED BY LICENSED LANDSCAPER AS REQ'D.

L6. NEW LANDSCAPING AREAS (ALTERNATE #2):
- ADJACENT TO STREET: CONTRACTOR EXCAVATE EXIST. ROCK & PROVIDE NEW SOIL & 4" TOIL SOIL
- CONTRACTOR TO INSTALL 4" TOP SOIL, FABRIC WEED BARRIER & 4" MULCH.
- TOP OF MULCH TO BE 1"min BELOW FINISH FLOOR.
- AREA ADJACENT TO PARKING & ELM STREET SHALL RECEIVE 2" OF TOP SOIL, FINE GRADED & RE-SEED AREA. AREA TO BE FREE OF ROCKS AND CLUMPS AS SUITABLE FOR SEEDING.



A SITE PLAN
1"=20'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com
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EXISTING BUILDING

EXISTING BUILDING

ADDITION

EXIST. HEDGE REF. LANDSCAPE NOTE L5.

INSTALL CONCRETE PAD FOR MECHANICAL UNITS W/ 3/4" EXP.JT. AT BUILDING. SLOPE PADS AWAY FROM BUILDING FOR DRAINAGE. (REF. MEP DWGS)

INSTALL NEW 6'-0"high EQUIPMENT SCREEN

EXISTING SIDEWALK

NEW 6'-0"high FENCE TYPE-2 & MOW STRIP

NEW 4"th. CONC. SIDEWALK

EXIST. LANDSCAPING

ALTERNATE #1 REF. G-A1.3

A-A1.3

NEW 4'-0"high FENCE TYPE-1 W/ (2) 3'-0" GATES

EXTEND EXISTING DOWNSPOUT TRENCH

NEW LANDSCAPING AREA REF. LANDSCAPING NOTE L2

RE-SEED AREA REF. LANDSCAPING NOTE L1.

NEW TREE BY OWNER

COVERED PLAY AREA

4,350sf PLAY AREA

SHADED AREA INDICATES ALT 6 CONCRETE EQUIPMENT PAD 190sf

SHADED AREA INDICATES ALT 6 CONCRETE EQUIPMENT PAD 330sf

SHADED AREA INDICATES ALT 6 CONCRETE EQUIPMENT PAD 250sf

EXIST. MAILBOX TO REMAIN & CONTRACTOR TO PROTECT DURING CONSTRUCTION

NEW CONCRETE CURB

NEW 6'-0"high FENCE TYPE-2 W/ (2) 3'-0" GATES

D-A4.2

PLAYHOUSE

EXISTING SIDEWALK LIGHTING TO REMAIN

ACCESSIBLE PARKING SIGNAGE REF. G-A1.1

NEW CONCRETE PARKING ALTERNATE #2

NEW CONCRETE PARKING BASE BID

NEW LANDSCAPING AREA REF. LANDSCAPING NOTE L2

7,450sf PLAY AREA

4" CONCRETE TRICYCLE TRACK 76'-2" LENGTH REF. F-A1.3

SHADED AREA INDICATES ALT 6 CONCRETE EQUIPMENT PAD 415sf

SHADED AREA INDICATES ALT 6 CONCRETE EQUIPMENT PAD 420sf

EXIST. TREES SEE LANDSCAPING NOTE L4

EXIST. PLAYGROUND EQUIPMENT TO REMAIN OPEN TO THE PUBLIC.

A ENLARGED PLAYGROUND PLAN
1/8"=1'-0"

NOTE:
F.V. EXISTING GRADES. CONTACT ARCHITECT OF DISCREPANCIES.

NEW 4"th. CONC. SIDEWALK RAMP. BERM UP GRADES AS REQ'D

SLOPE 1:20

INSTALL CONCRETE PAD FOR MECHANICAL UNITS W/ 3/4" EXP.JT. AT BUILDING. SLOPE PADS AWAY FROM BUILDING FOR DRAINAGE. (REF. MEP DWGS)

EXISTING BUILDING

B ENLARGED PLAN
1/8"=1'-0"

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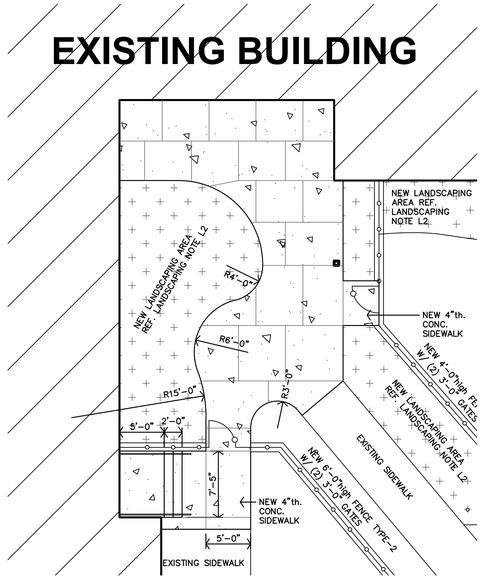
CHARLES A. RENZ
ARCHITECT
5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

REVISION:

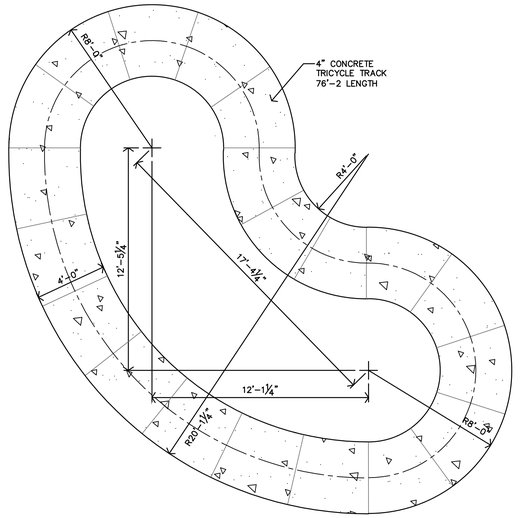
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JOB: 22-3225 RE
SHEET NO.:

A1.2

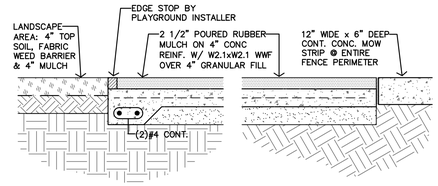
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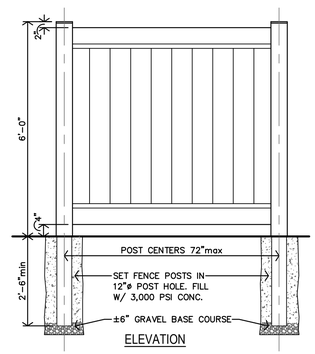
G ALTERNATE #1 ENLARGED ENTRY PLAN
1/8"=1'-0"



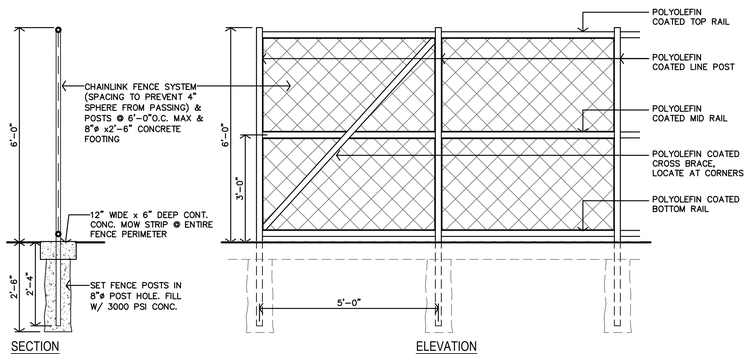
F TRICYCLE TRACK PLAN
1/4"=1'-0"



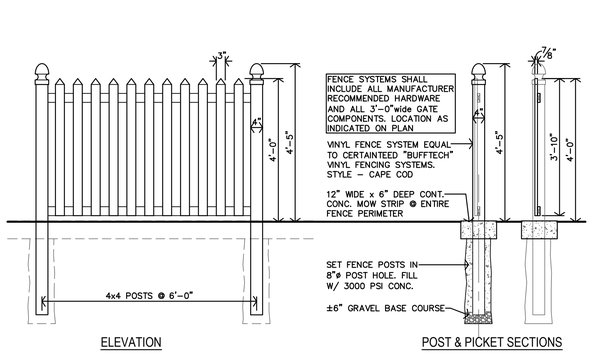
E ALTERNATE #6 POURED RUBBER MULCH DETAILS
3/4"=1'-0"



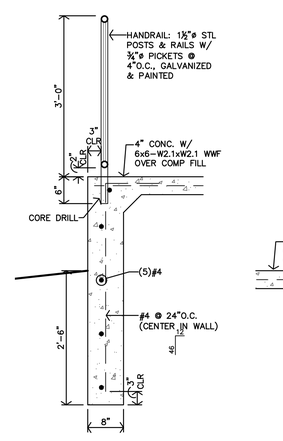
H FENCE TYPE-3 ELEVATION
1/2"=1'-0"



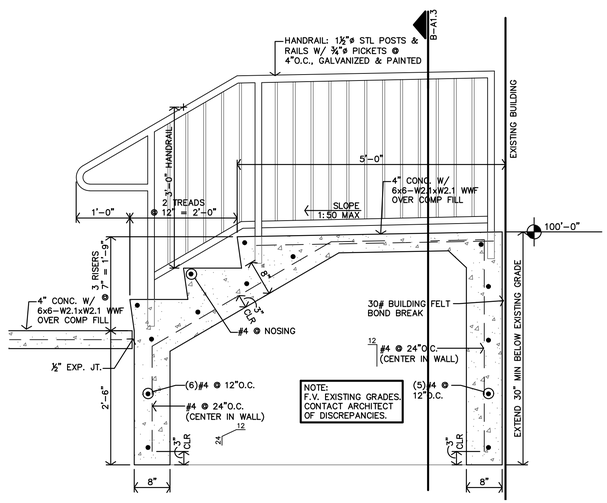
D PLAYGROUND FENCE TYPE-2 ELEVATION
1/2"=1'-0"



C PLAYGROUND FENCE TYPE-1 ELEVATION
1/2"=1'-0"



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



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

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

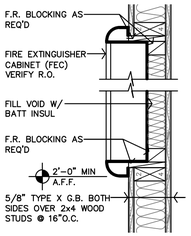
CHARLES A. RENZ LICENSED 5502 4-21-2024 KANSAS PROFESSIONAL ARCHITECT

REVISION:

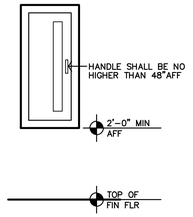
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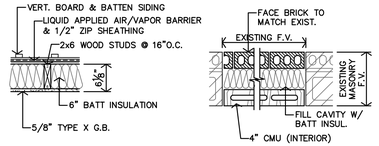


D **FIRE EXTINGUISHER CABINET DTL**
1 1/2"=1'-0"



C **TYPICAL FEC MOUNTING HGT**
3/4"=1'-0"

EXTERIOR PARTITION TYPES

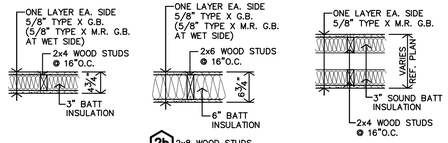


A TYPE A — TYPICALLY DIMENSIONED AS 6" ON PLANS

B TYPE B — TYPICALLY DIMENSIONED AS 6" ON PLANS

INTERIOR PARTITION TYPES

- ⅝" TYPE "X" G.B. AT ALL AREAS
- ⅝" 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.



1 TYPE 1 — TYPICALLY DIMENSIONED AS 5" ON PLANS

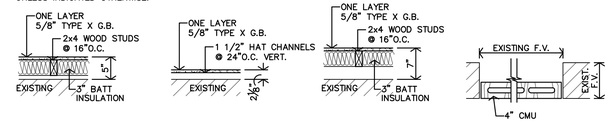
2b 2x8 WOOD STUDS

2 TYPE 2 — TYPICALLY DIMENSIONED AS 7" ON PLANS

3 TYPE 3

FURRED PARTITION TYPES

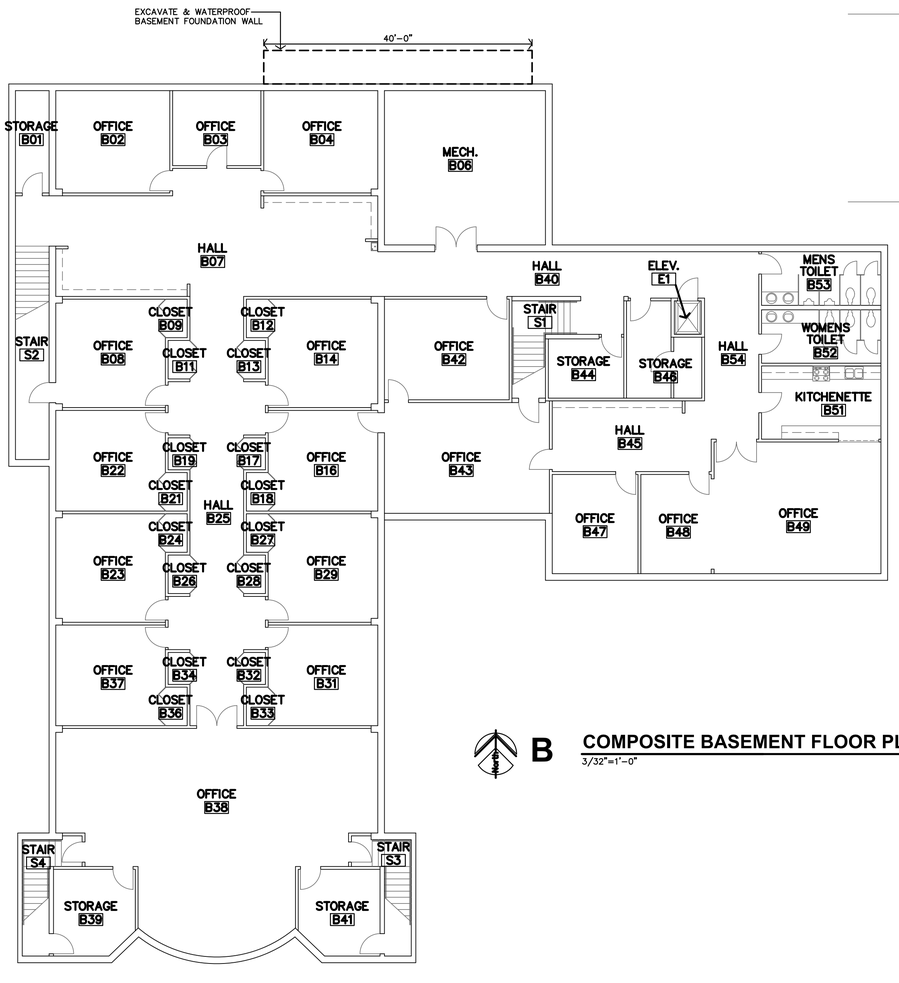
- ALL G.B. WALLS TO BE FULL HEIGHT TO B.O. TRUSSES, UNLESS INDICATED OTHERWISE.



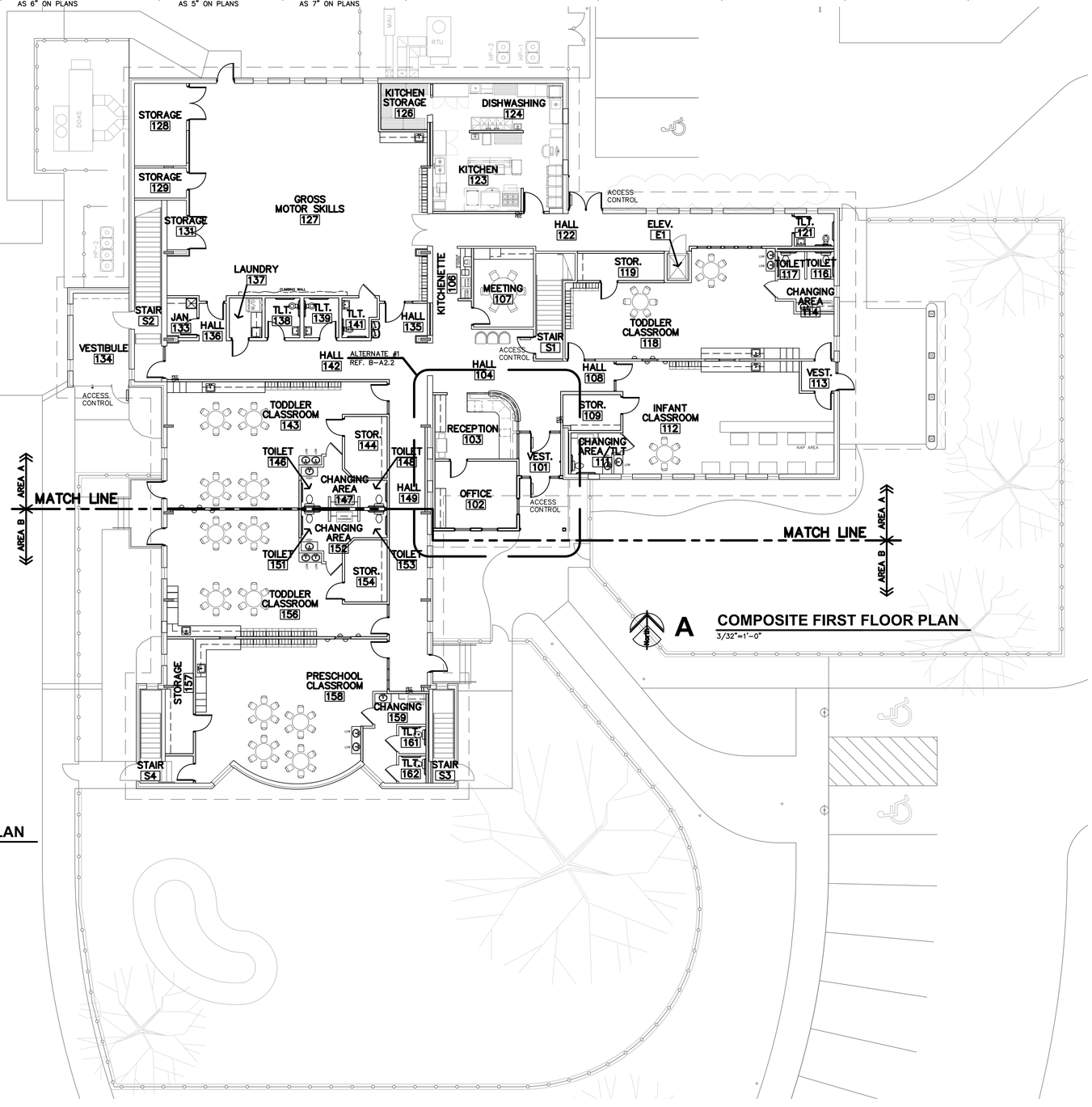
F1 TYPE F1 **F2** TYPE F2 **F3** TYPE F3 **F4** TYPE F4

ALTERNATES

1– OFFICE ADDITION: REMOVE NEW CONSTRUCTION, TACK WALL & ASSOCIATED DEMOLITION.
2– CONCRETE PARKING & ADJACENT LANDSCAPE AREA.
3– REPLACE BASEMENT CEILING TILE ONLY. EXISTING GRID TO REMAIN.. ROOMS: B25, B07 & B40(PORTION)
4– REPLACE BASEMENT CEILING TILE ONLY. EXISTING GRID TO REMAIN. ROOMS: B02, B03, B04, B08, B14, B16, B22, B23, B29, B31, B37, B38 & B42
5– RECEPTION DESK.
6– CONCRETE BASE FOR POURED RUBBER MULCH.
7– CEILING CLOUDS IN CLASSROOMS 143, 156 & 158.
8– CLIMBING WALL.
9– FIRE LINE.



B **COMPOSITE BASEMENT FLOOR PLAN**
3/32"=1'-0"



A **COMPOSITE FIRST FLOOR PLAN**
3/32"=1'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com
785.827.0386

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

CHARLES A. RENZ — 5502 — 3-21-2024 — KANSAS PROFESSIONAL ARCHITECT

REVISION:	
DATE:	3–21–2024
JOB:	22–3225 RE
SHEET NO.:	A2.0

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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 WORK SHALL BE IN CONFORMANCE W/ 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 COMPLETE & FINISHED 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. DOORS ARE TYPICALLY LOCATED 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. CG – INDICATES LOCATION OF CORNER GUARD. REF. SPECS.
10. FEC – INDICATES NEW RECESSED FIRE EXTINGUISHER CABINET.
11. ALL FURNITURE SHOWN IS TO BE PROVIDED BY OWNER.
12. AC – INDICATES LOCATION OF ACCESS CONTROL. REF. SPECS.

EXCAVATE & WATERPROOF BASEMENT FOUNDATION WALL

MAU

DOAS

HP-2

STORAGE 128

STORAGE 129

STORAGE 131

GROSS MOTOR SKILLS 127

KITCHEN STORAGE 126

DISHWASHING 124

KITCHEN 123

HALL 122

STORAGE 119

ELEV. E1

TOILET 121

TOILET 117

TOILET 116

CHANGING AREA 114

KITCHENETTE 106

MEETING 107

STAIR S1

TODDLER CLASSROOM 118

VESTIBULE 113

INFANT CLASSROOM 112

CHANGING AREA/TLT 111

STOR. 109

HALL 108

HALL 104

VESTIBULE 101

RECEPTION 103

OFFICE 102

STAIR S2

JANITOR 133

LAUNDRY 137

TOILET 138

TOILET 139

TOILET 141

HALL 136

HALL 135

VESTIBULE 134

HALL 142

HALL 149

TODDLER CLASSROOM 143

STORAGE 144

CHANGING AREA 147

TOILET 146

TOILET 148

TOILET 151

CHANGING AREA 152

TOILET 153

STORAGE 154

TODDLER CLASSROOM 156

CLIMBING WALL

NAP AREA

STEEL COLUMN PAINTED

EXISTING STONE COLUMN. REINSTALL ANY LOOSE STONES

(2) BUBBLE WINDOWS PER CLASSROOM (12.44 ACRYLIC CLEAR DOME WINDOW)

(2) BUBBLE WINDOWS PER CLASSROOM (12.49 ACRYLIC CLEAR DOME WINDOW)

ALTERNATE #1 REF. B-A2.2

ALTERNATE

BASE BID

MATCH LINE

AREA A

AREA B

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

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
785.827.0386
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

CHARLES A. RENZ
REGISTERED ARCHITECT
5502
3-21-2024
STATE OF KANSAS
PROFESSIONAL ARCHITECT

REVISION:

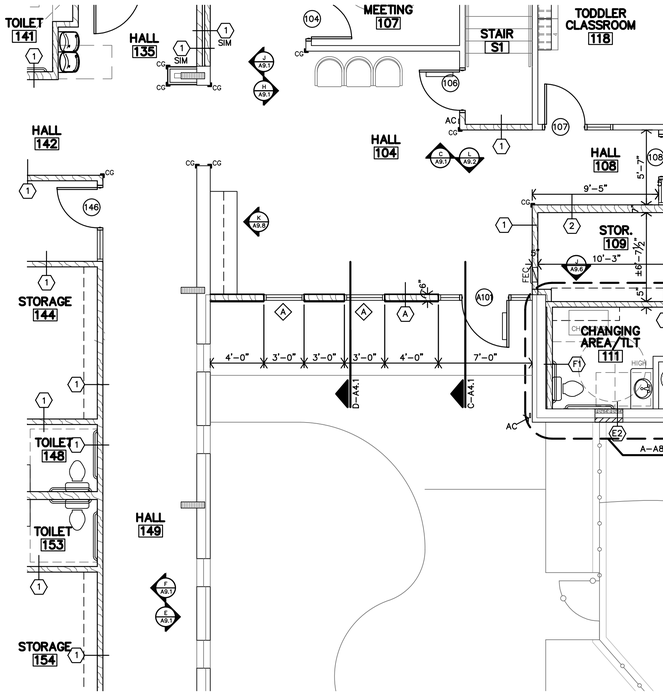
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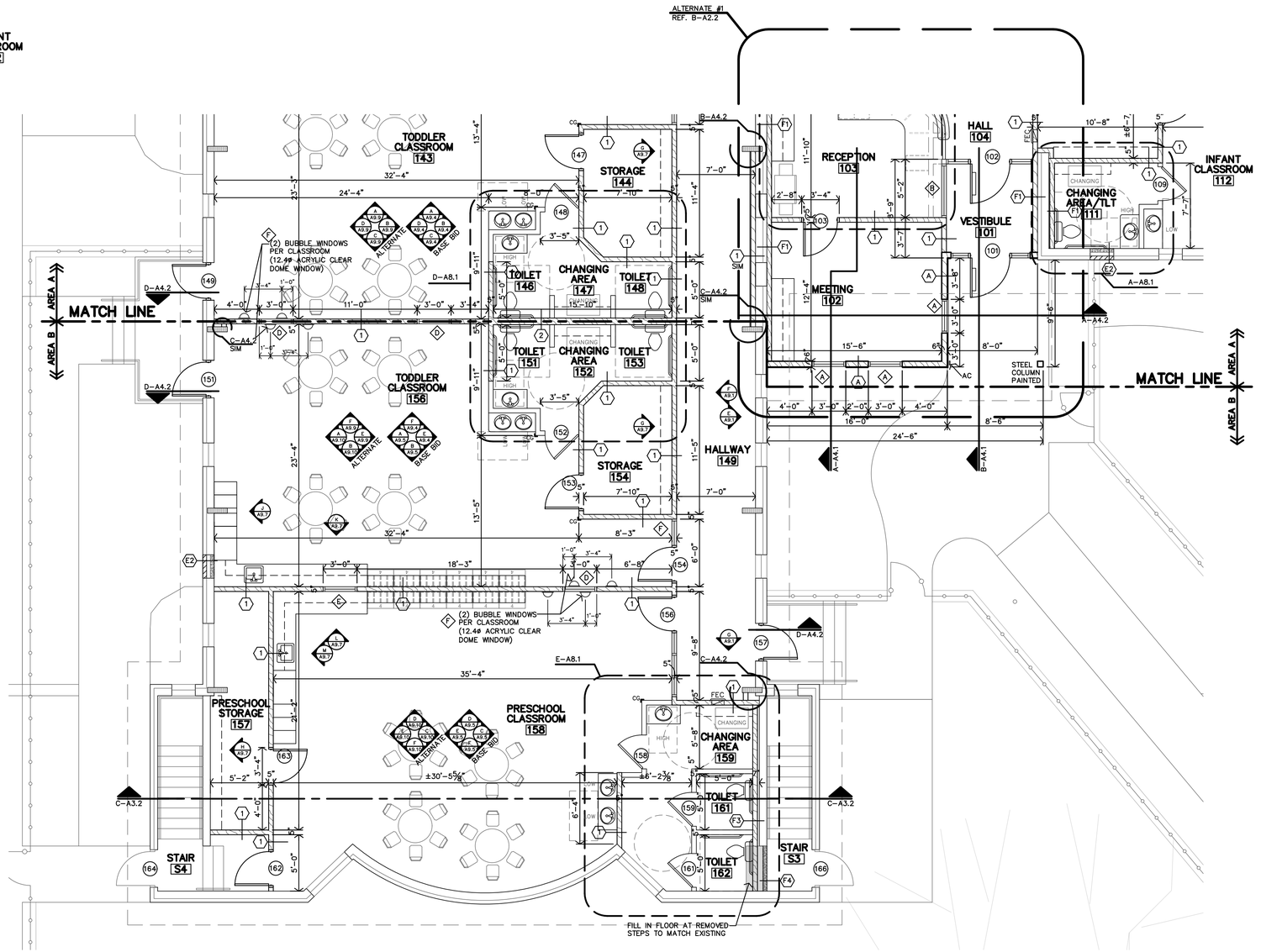
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12. AC – INDICATES LOCATION OF ACCESS CONTROL. REF. SPECS.



B **ALTERNATE #1 FIRST FLOOR PLAN**
3/16"=1'-0"



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

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
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HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

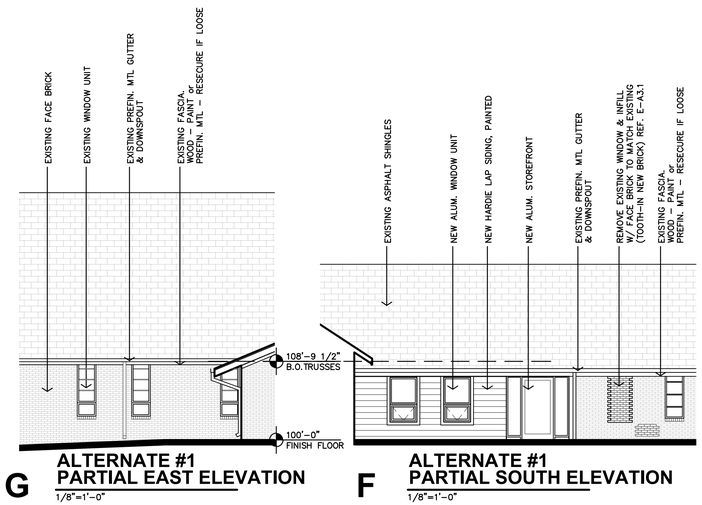
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DATE: 3-21-2024
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SHEET NO.:

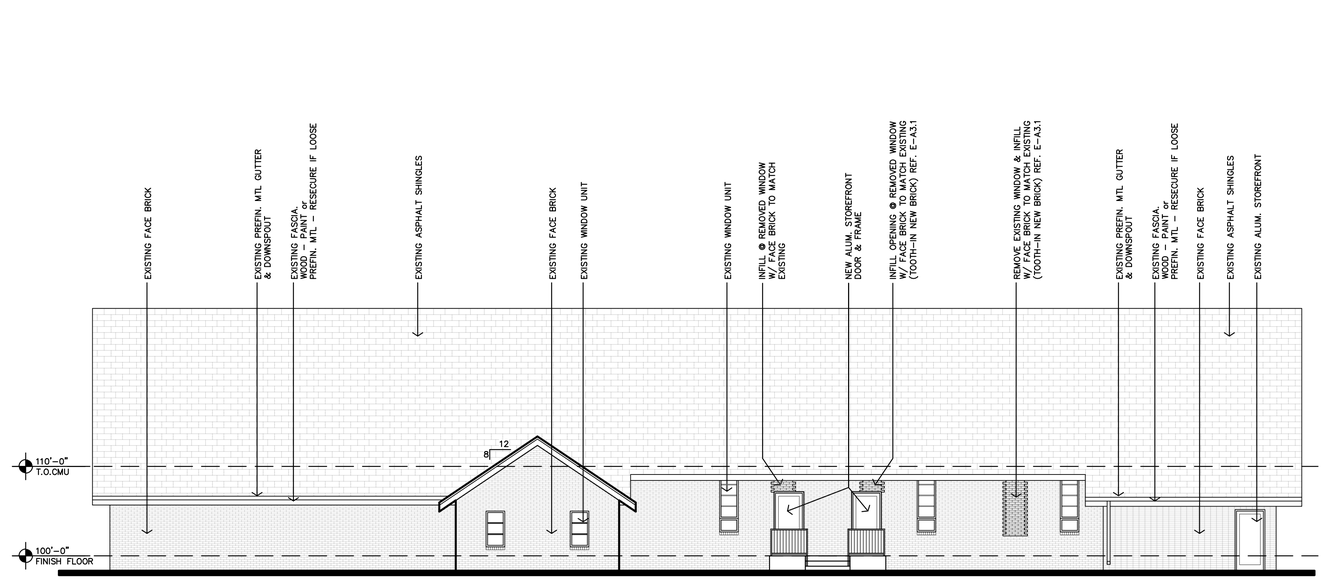
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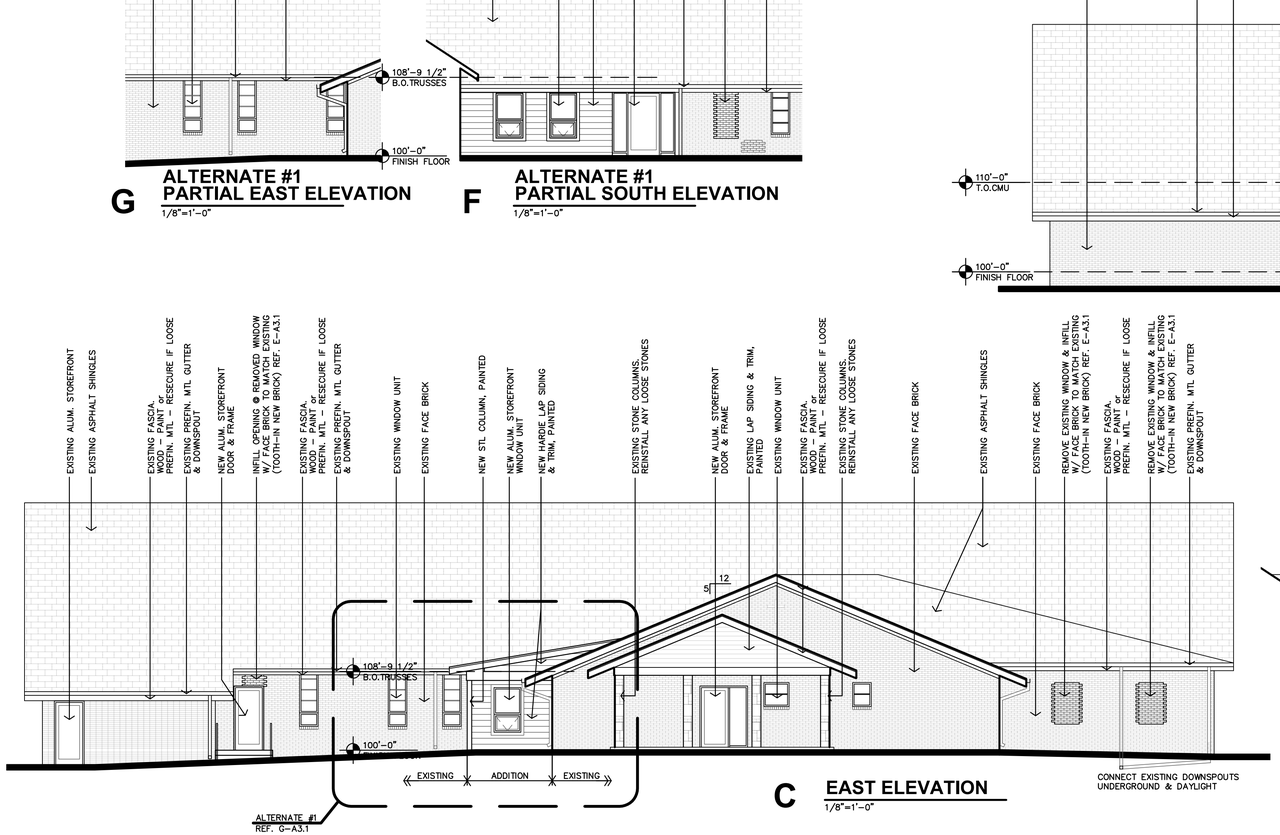


G **ALTERNATE #1 PARTIAL EAST ELEVATION**
1/8"=1'–0"

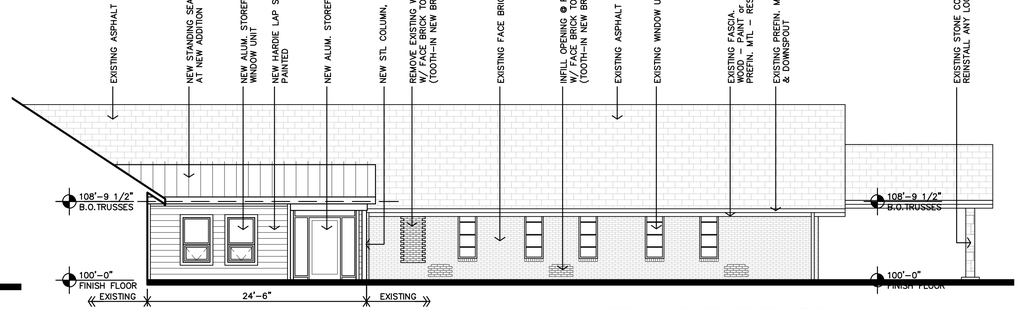
F **ALTERNATE #1 PARTIAL SOUTH ELEVATION**
1/8"=1'–0"



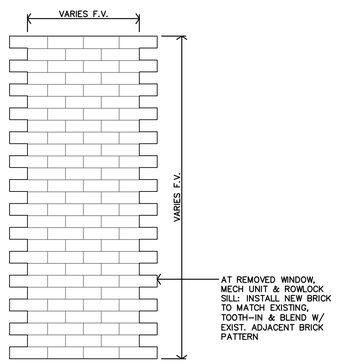
D **WEST ELEVATION**
1/8"=1'–0"



C **EAST ELEVATION**
1/8"=1'–0"

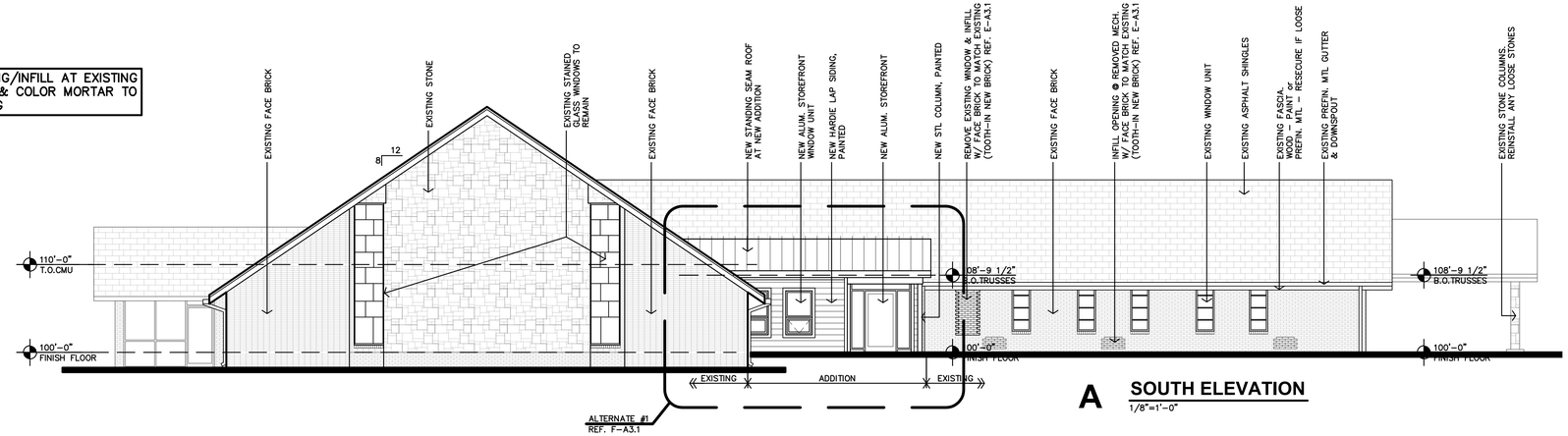


B **PARTIAL SOUTH ELEVATION**
1/8"=1'–0"



E **INFILL DETAIL**
3/4"=1'–0"

WHERE PATCHING/INFILL AT EXISTING BRICK VENEER & COLOR MORTAR TO MATCH EXISTING



A **SOUTH ELEVATION**
1/8"=1'–0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
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HILLSBORO, KANSAS

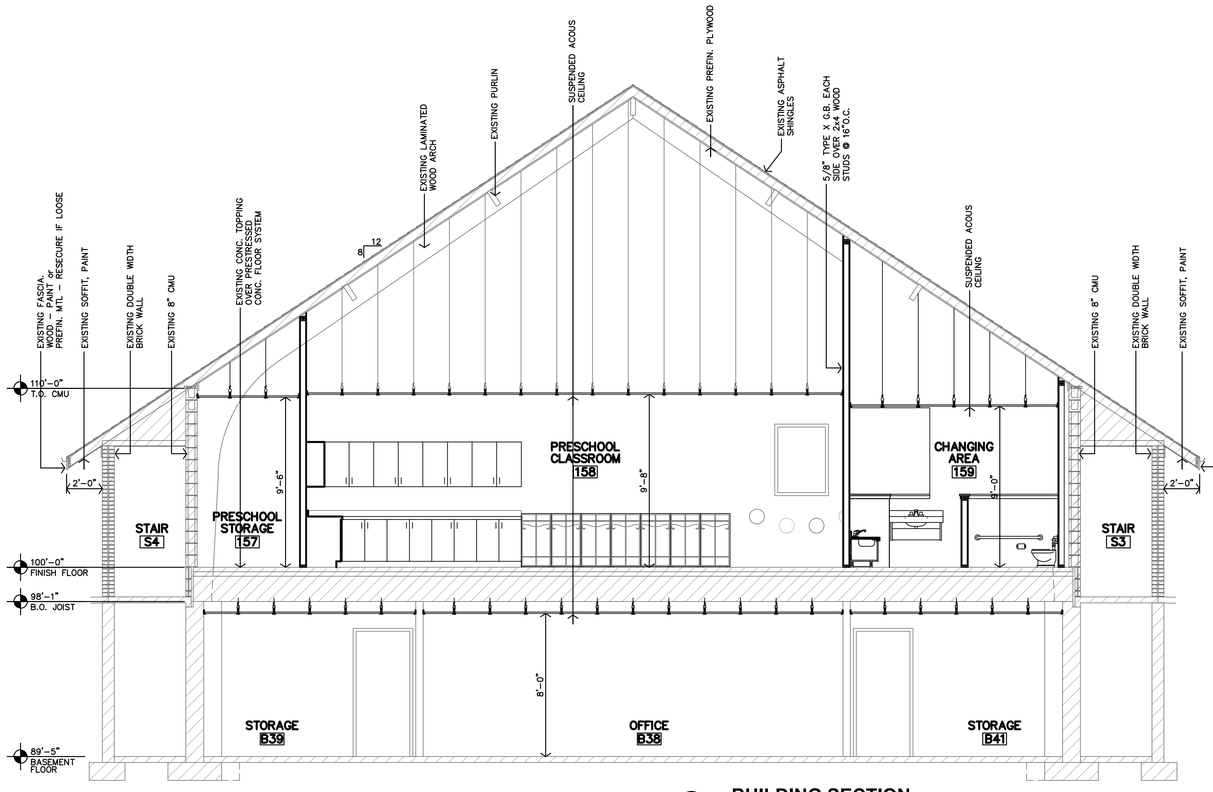
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REVISION:

DATE: 3–21–2024
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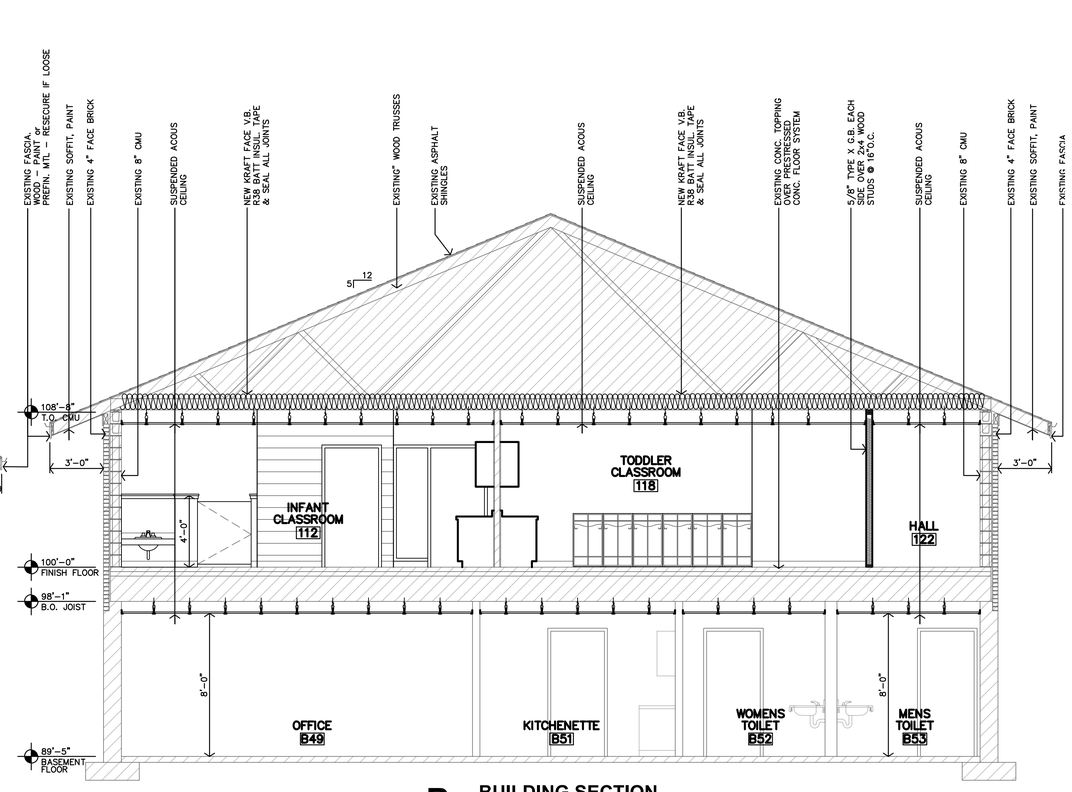
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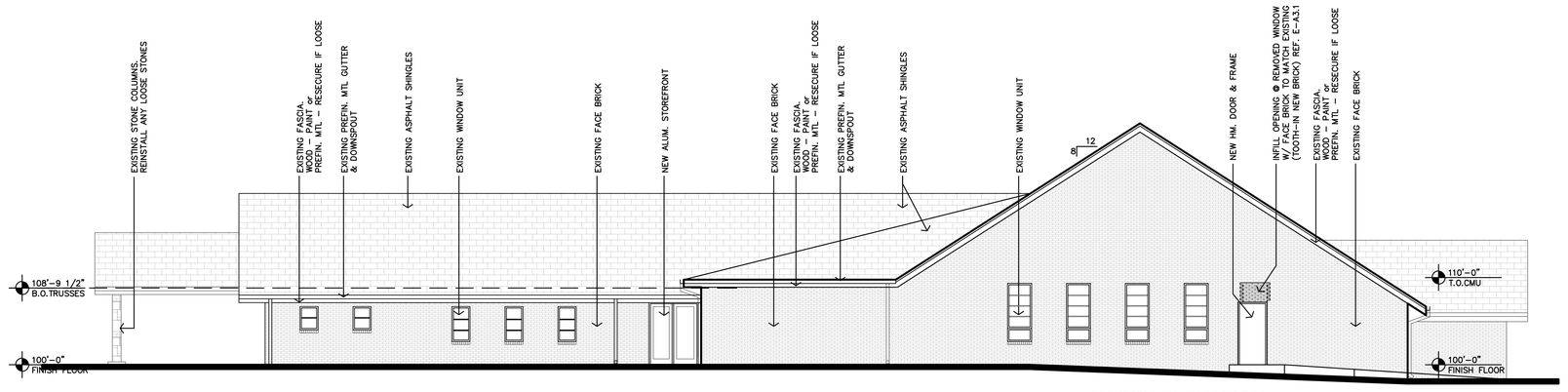
C BUILDING SECTION

1/4"=1'-0"



B BUILDING SECTION

1/4"=1'-0"



A NORTH ELEVATION

1/8"=1'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

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BUILDING REHABILITATION

HILLSBORO, KANSAS

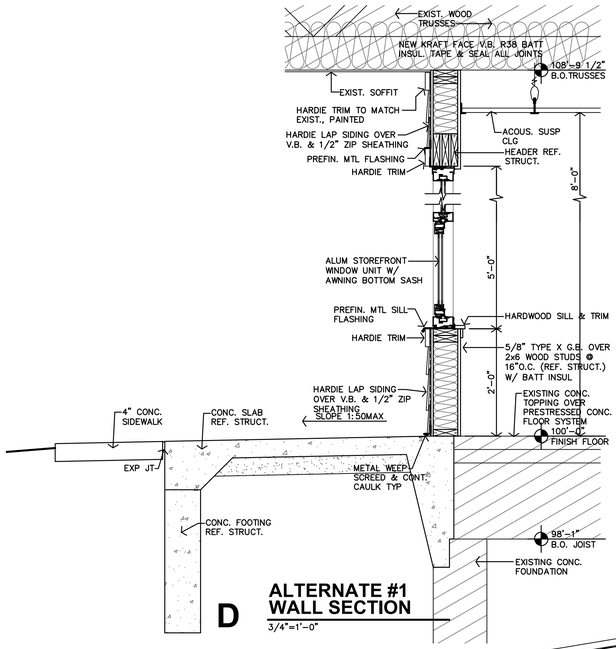
CHARLES A. RENZ
REGISTERED
5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

REVISION:

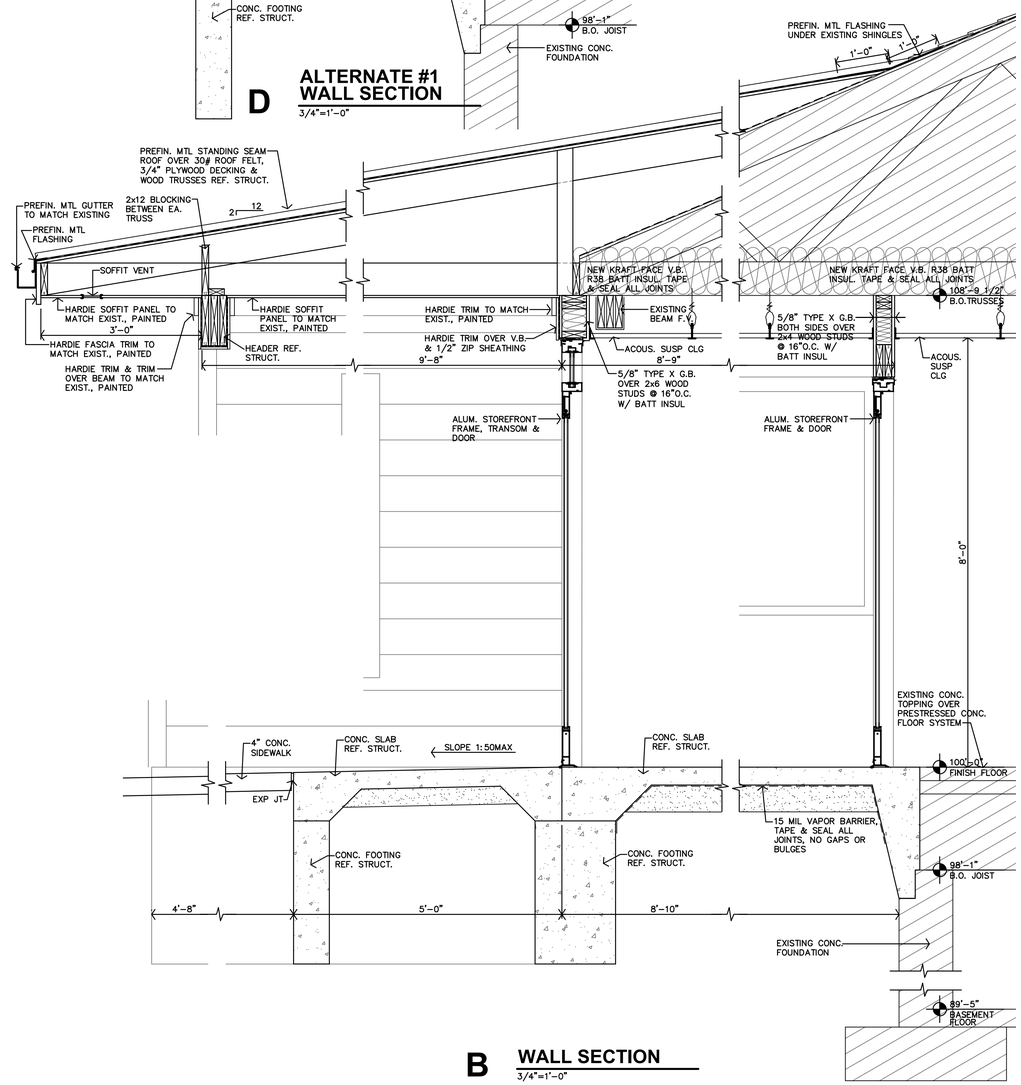
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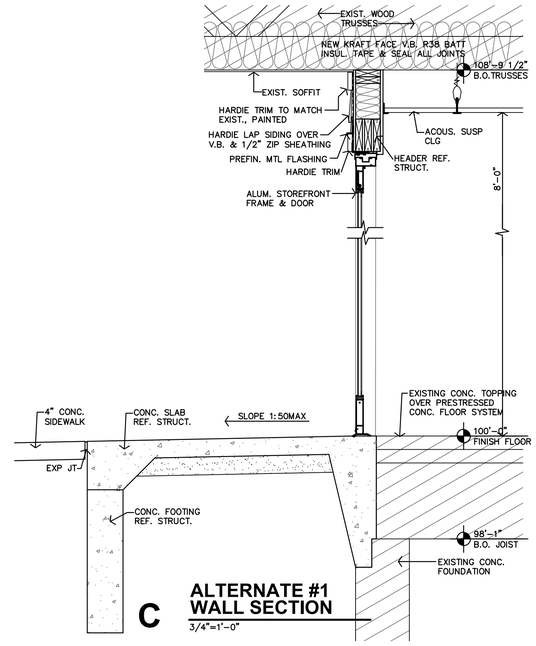
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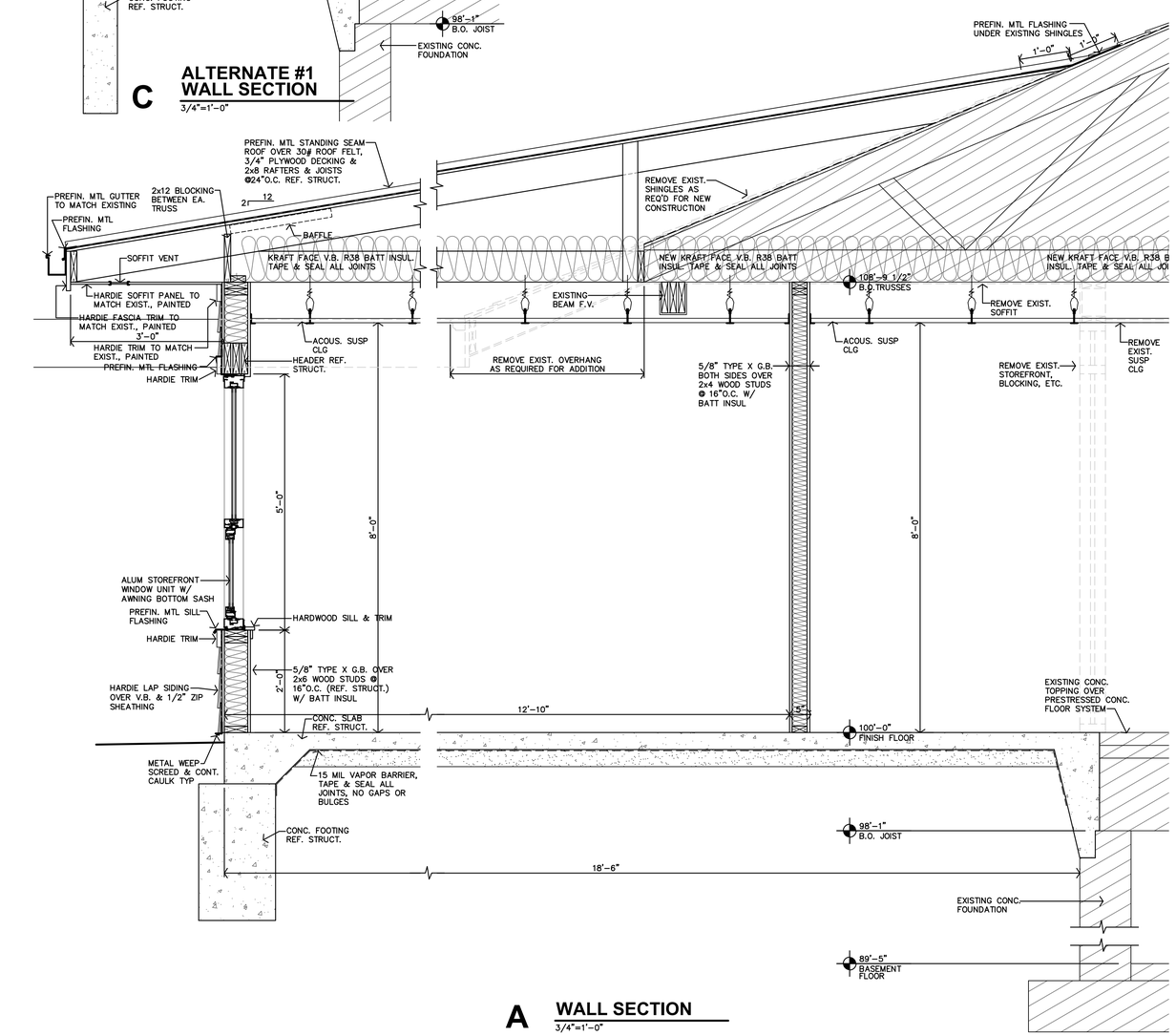
D **ALTERNATE #1 WALL SECTION**
3/4"=1'-0"



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



C **ALTERNATE #1 WALL SECTION**
3/4"=1'-0"



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

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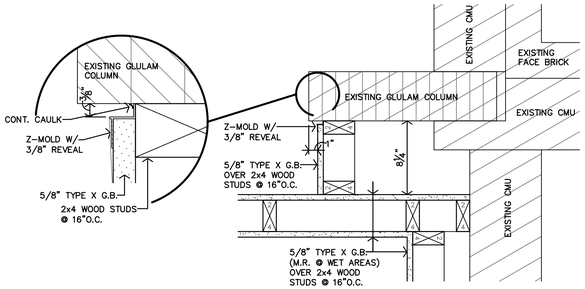
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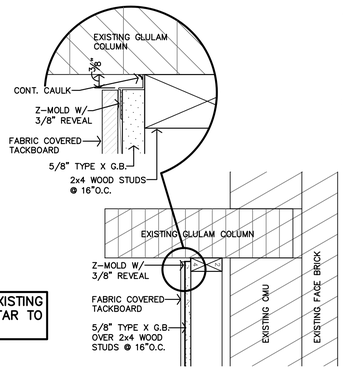
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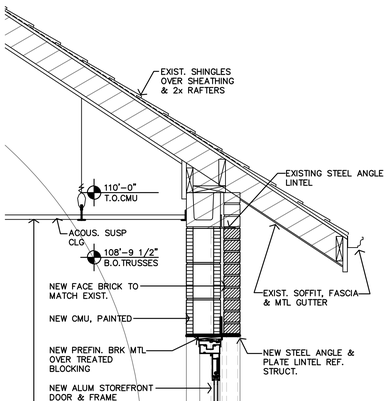


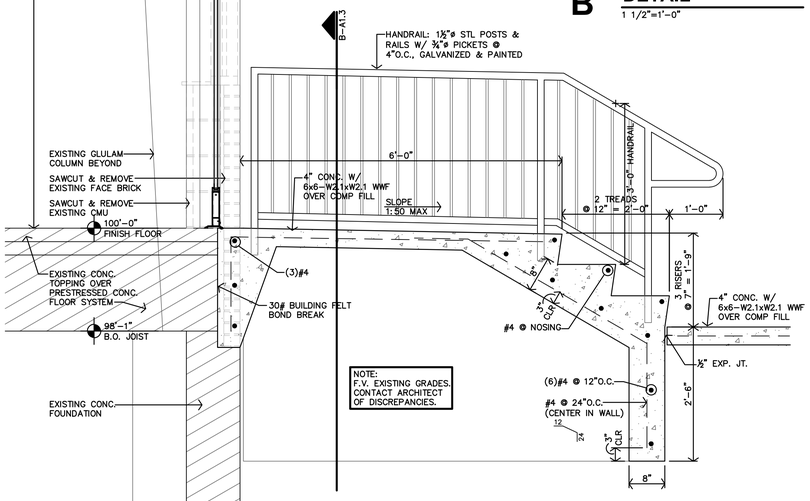
C DETAIL
1 1/2"=1'-0"



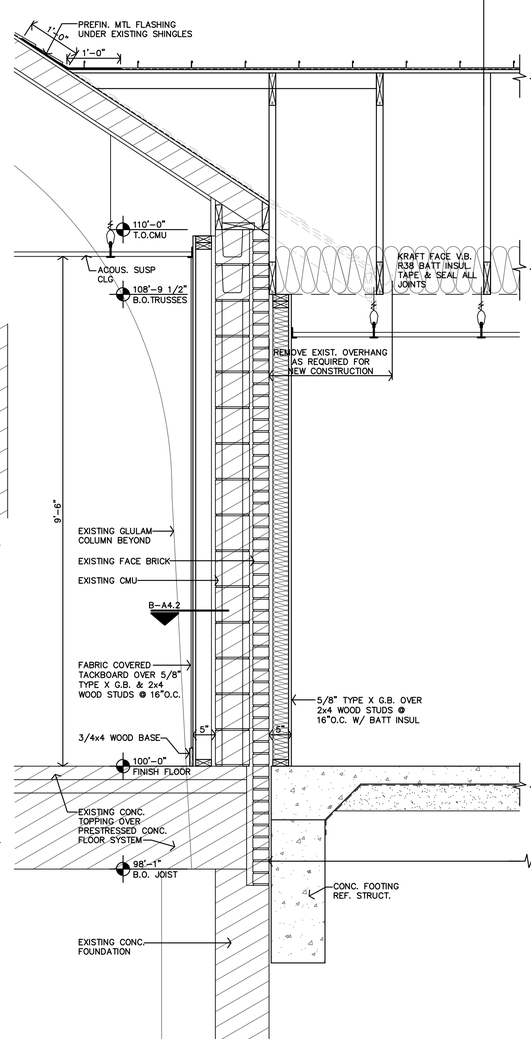
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1 1/2"=1'-0"

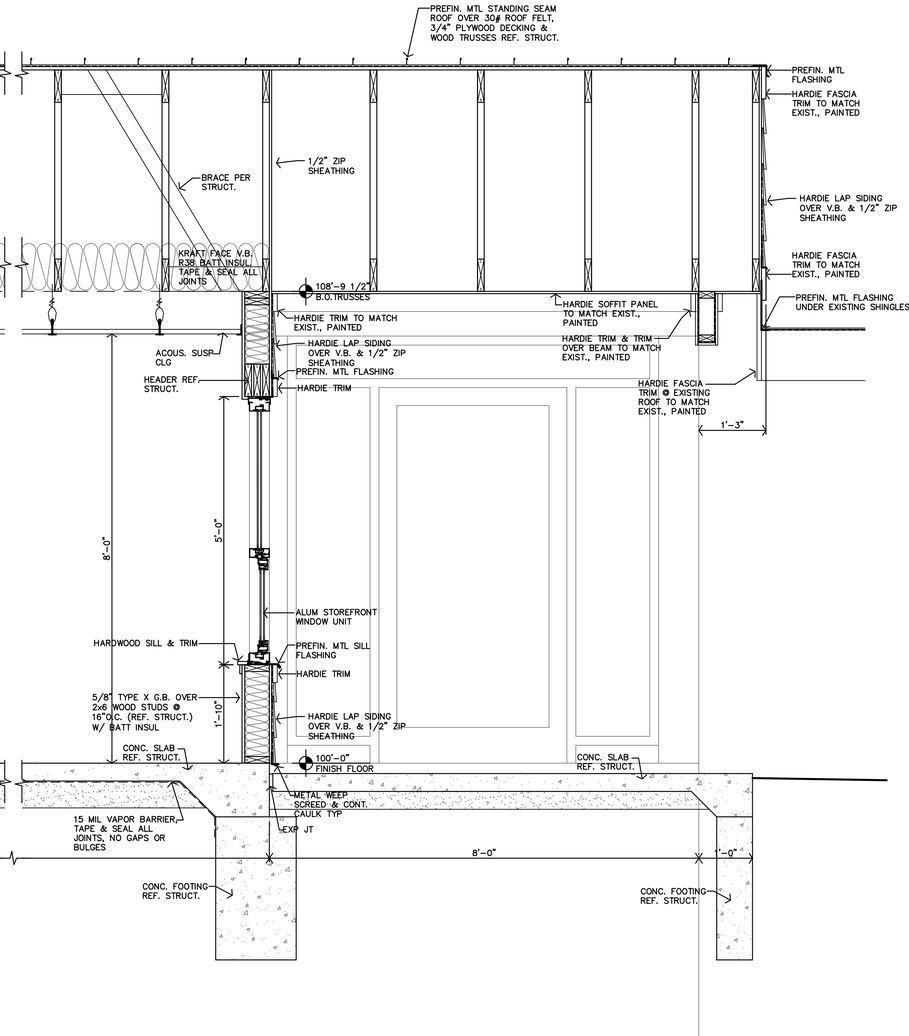
WHERE PATCHING/INFILL AT EXISTING BRICK VENEER & COLOR MORTAR TO MATCH EXISTING





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





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

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
785.827.0386
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
HILLSBORO, KANSAS

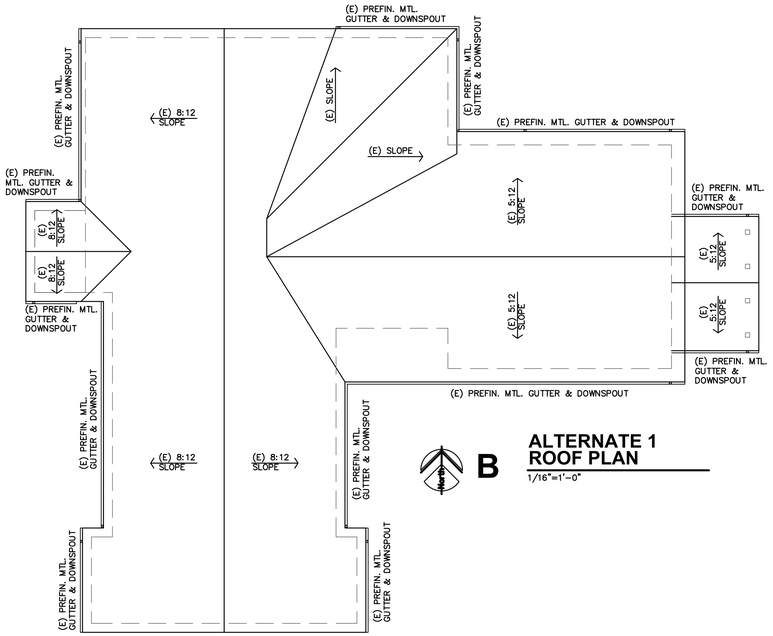
CHARLES A. RENZ
LICENSED
5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

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ALTERNATE 1 ROOF PLAN

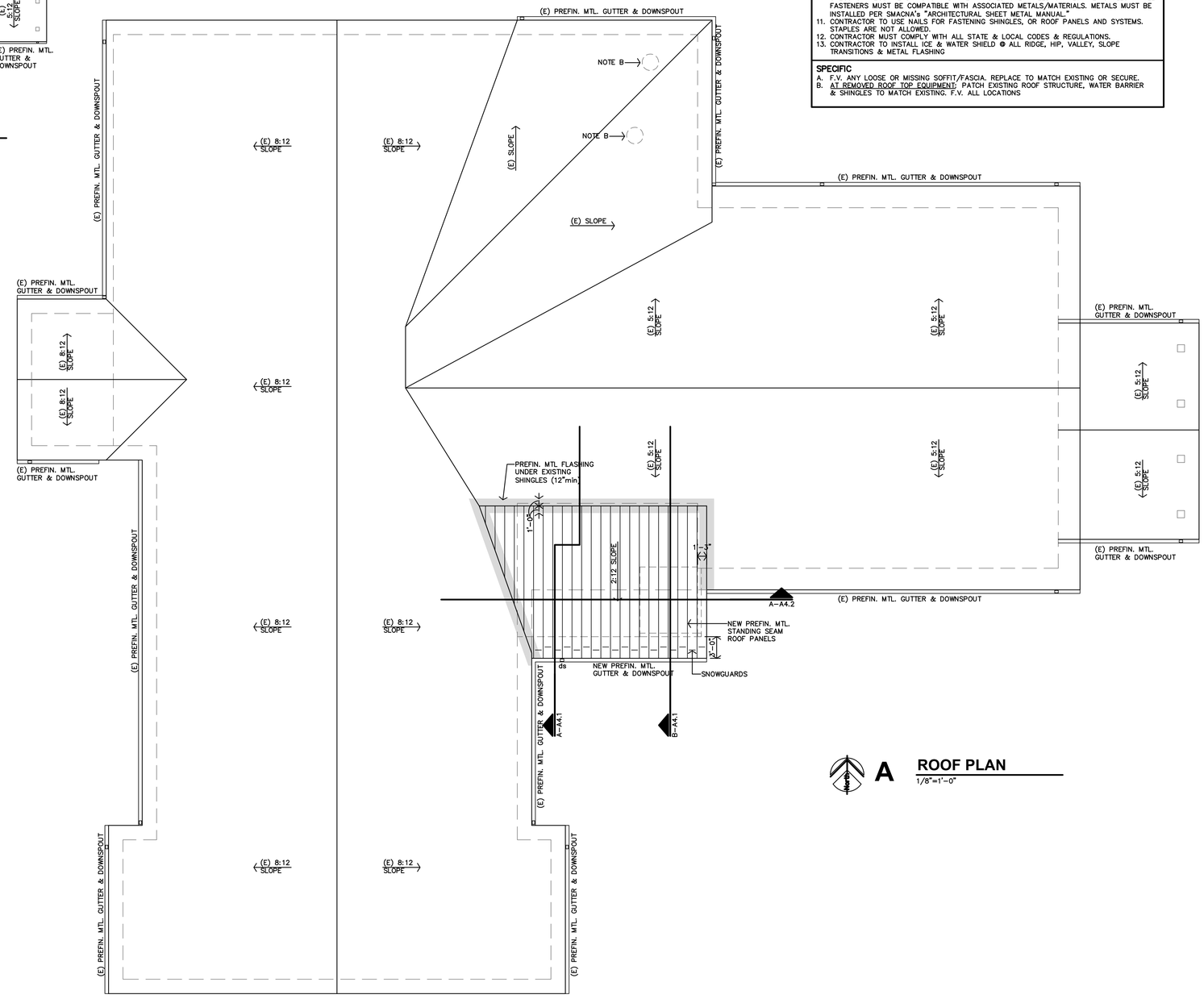
1/16"=1'-0"

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

SPECIFIC

A. F.V. ANY LOOSE OR MISSING SOFFIT/FASCIA. REPLACE TO MATCH EXISTING OR SECURE.
B. AT REMOVED ROOF TOP EQUIPMENT: PATCH EXISTING ROOF STRUCTURE, WATER BARRIER & SHINGLES TO MATCH EXISTING. F.V. ALL LOCATIONS



ROOF PLAN

1/8"=1'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
785.827.0386
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

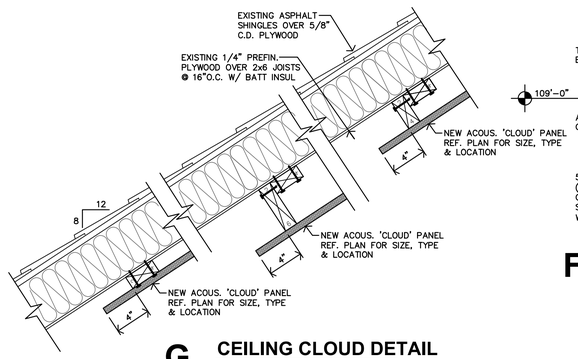
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5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

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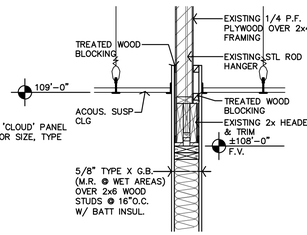
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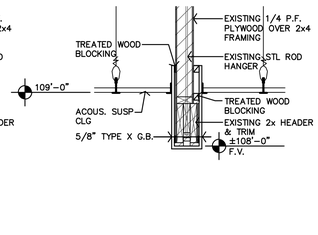
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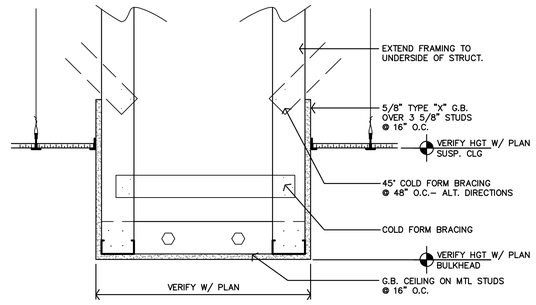
G CEILING CLOUD DETAIL
1 1/2"=1'-0"



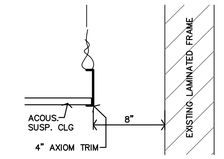
F DETAIL
1 1/2"=1'-0"



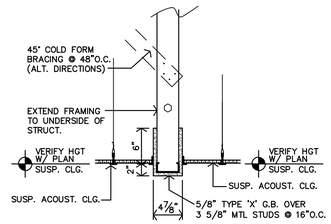
E DETAIL
1 1/2"=1'-0"



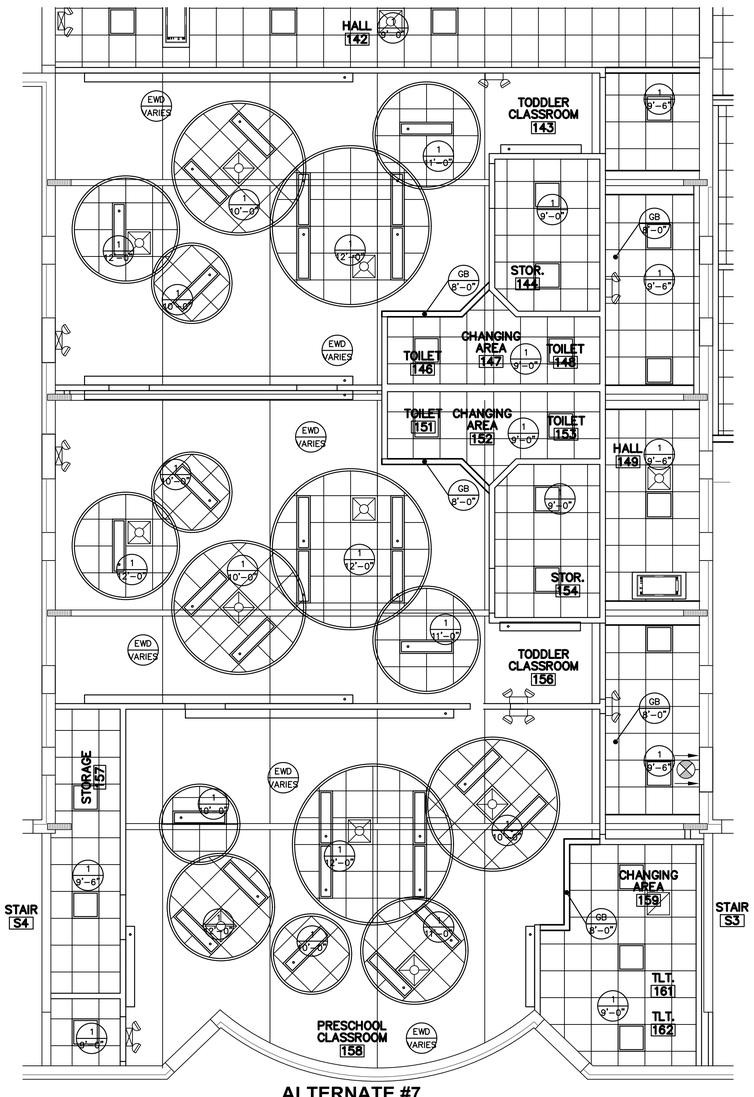
D CEILING DETAIL
1 1/2"=1'-0"



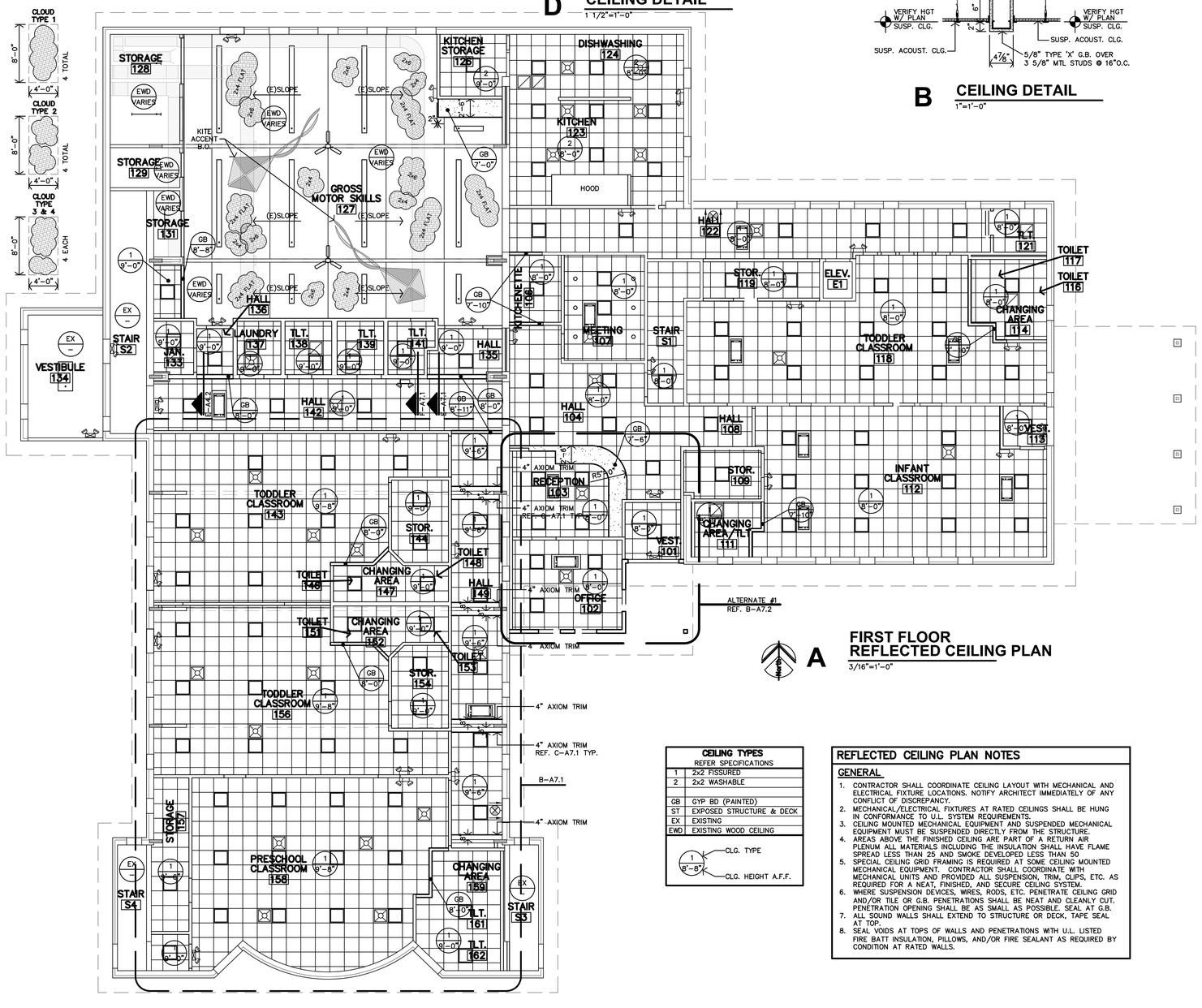
C AXIOM CEILING DETAIL
1 1/2"=1'-0"



B CEILING DETAIL
1"=1'-0"



B ALTERNATE #7 REFLECTED CEILING PLAN
3/16"=1'-0"



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

CEILING TYPES	
REFER SPECIFICATIONS	
1	2x2 FISSURED
2	2x2 WASHABLE
GB	GYP BD (PAINTED)
ST	EXPOSED STRUCTURE & DECK
EX	EXISTING
EWD	EXISTING WOOD CEILING

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

REFLECTED CEILING PLAN NOTES

GENERAL

1. CONTRACTOR SHALL COORDINATE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL FIXTURE LOCATIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICT OF DISCREPANCY.
2. MECHANICAL/ELECTRICAL FIXTURES AT 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 PROVIDED 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.
7. ALL SOUND WALLS SHALL EXTEND TO STRUCTURE OR DECK, TAPE SEAL AT TOP.
8. 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.

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com
785.827.0386

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
HILLSBORO, KANSAS

CHARLES A. RENZ 5502 3-21-2024 KANSAS PROFESSIONAL ARCHITECT

REVISION:

DATE: 3–21–2024
JOB: 22–3225 RE
SHEET NO.:

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CEILING TYPES	
REFER SPECIFICATIONS	
1	2x2 FISSURED
2	2x2 WASHABLE
GB	GYP BD (PAINTED)
ST	EXPOSED STRUCTURE & DECK
EX	EXISTING

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

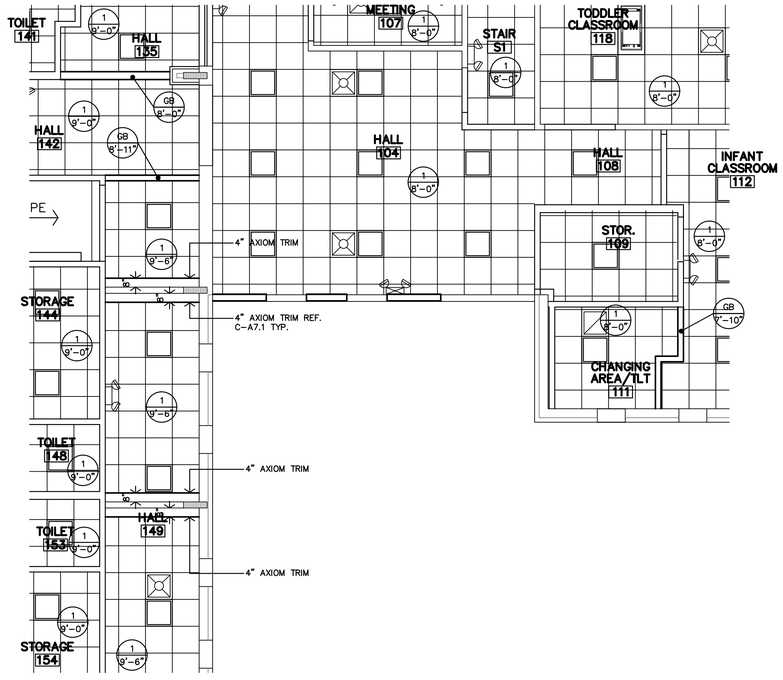
REFLECTED CEILING PLAN NOTES

GENERAL

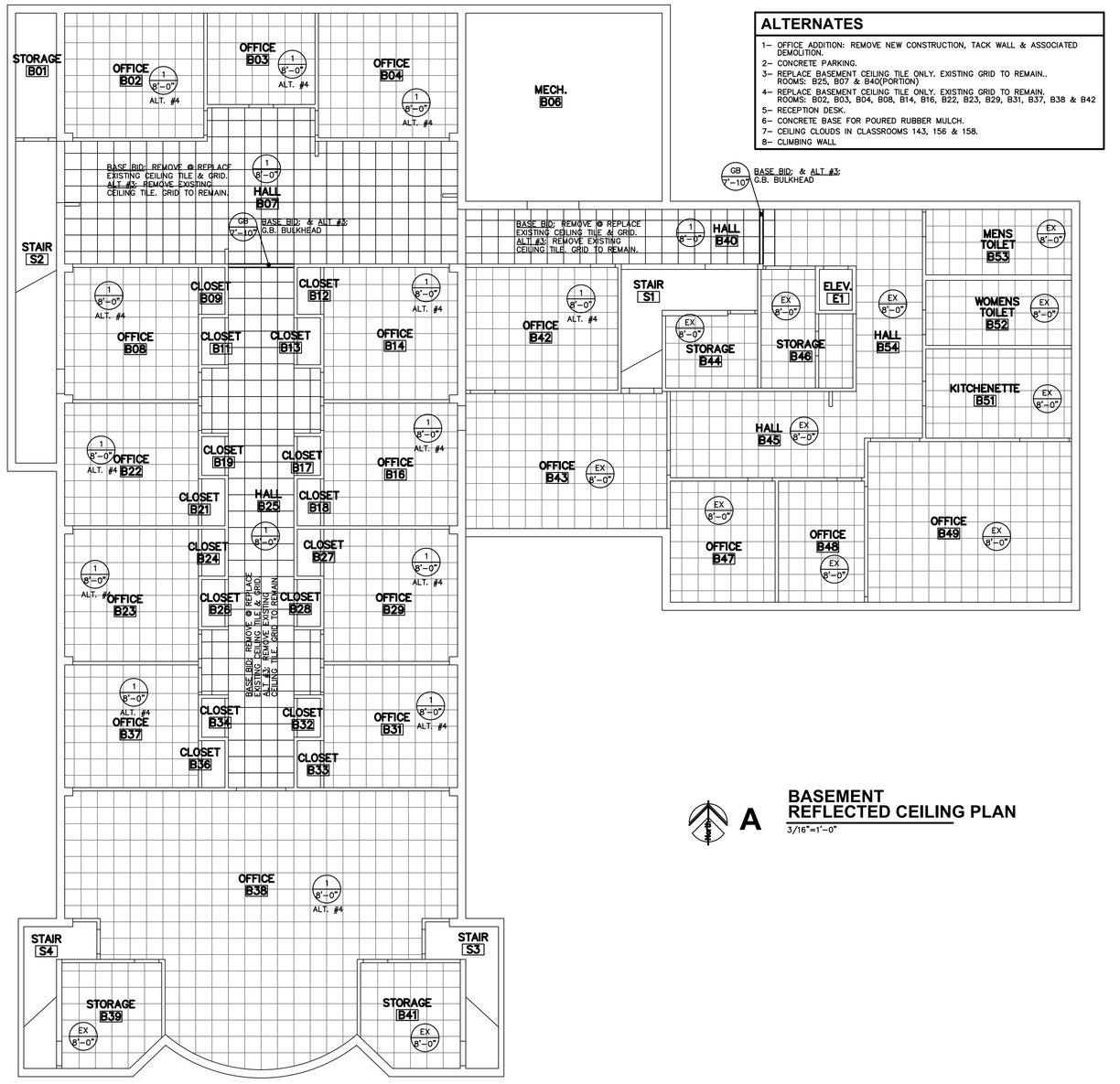
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8. SEAL VOIDS AT TOPS OF WALLS AND PENETRATIONS WITH U.L. LISTED FIRE BATT INSULATION, PILLOWS, AND/OR FIRE SEALANT AS REQUIRED BY CONDITION AT RATED WALLS.

ALTERNATES

1– OFFICE ADDITION: REMOVE NEW CONSTRUCTION, TACK WALL & ASSOCIATED DEMOLITION.
2– CONCRETE PARKING.
3– REPLACE BASEMENT CEILING TILE ONLY. EXISTING GRID TO REMAIN.. ROOMS: B25, B07 & B40(PORTION)
4– REPLACE BASEMENT CEILING TILE ONLY. EXISTING GRID TO REMAIN. ROOMS: B02, B03, B04, B08, B14, B16, B22, B23, B29, B31, B37, B38 & B42
5– RECEPTION DESK.
6– CONCRETE BASE FOR POURED RUBBER MULCH.
7– CEILING CLOUDS IN CLASSROOMS 143, 156 & 158.
8– CLIMBING WALL



B — ALTERNATE #1 FIRST FLOOR REFLECTED CEILING PLAN
3/16"=1'-0"



A — BASEMENT REFLECTED CEILING PLAN
3/16"=1'-0"

JonesGillamRenz
730 N. Ninth
1881 Main Street, Suite 301
Salina, KS 67401
Kansas City, MO 64108
785.827.0386
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HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

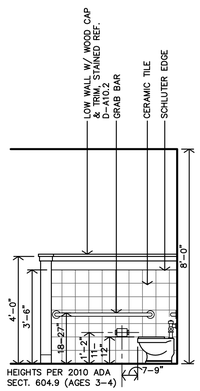
CHARLES A. RENZ — 5502 — 3-21-2024 — KANSAS PROFESSIONAL ARCHITECT

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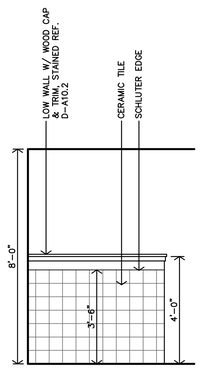
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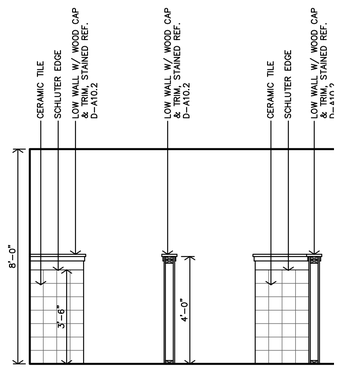
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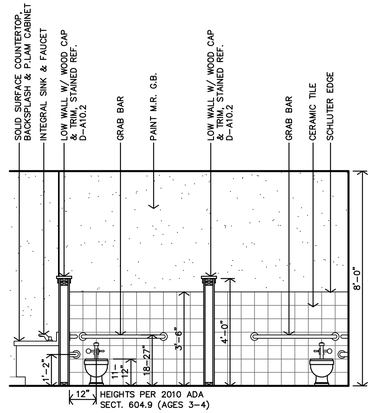
P TOILETS #116/117 INTERIOR ELEVATION
3/8"=1'-0"



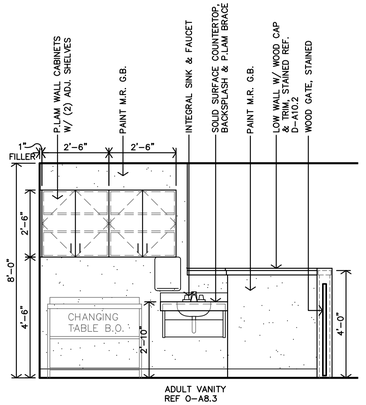
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3/8"=1'-0"



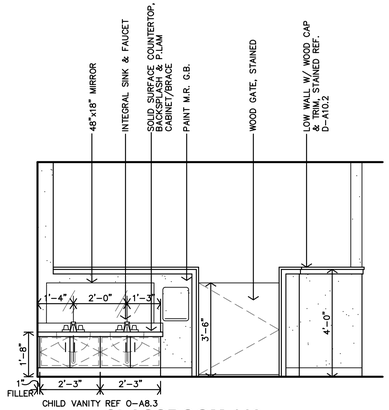
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3/8"=1'-0"



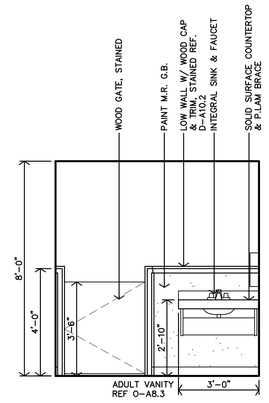
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3/8"=1'-0"



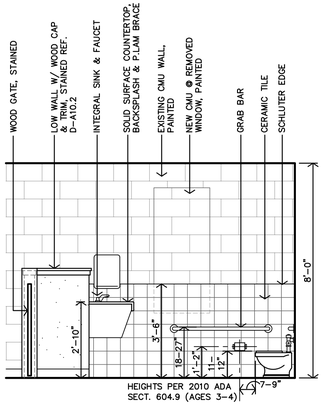
L CHANGING AREA #114 INTERIOR ELEVATION
3/8"=1'-0"



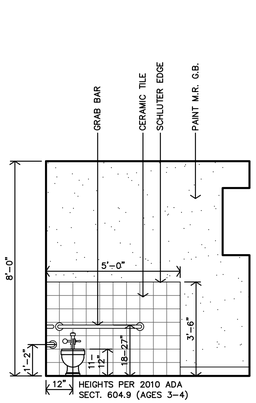
K CLASSROOM 118 INTERIOR ELEVATION
3/8"=1'-0"



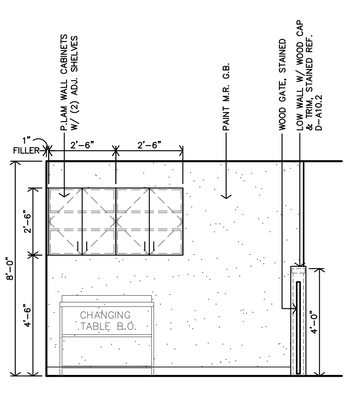
K TOILET #111 INTERIOR ELEVATION
3/8"=1'-0"



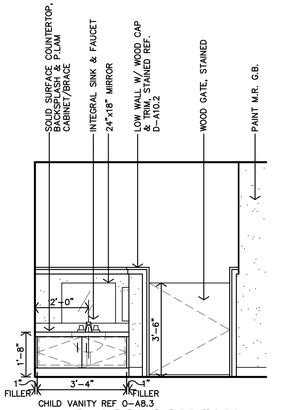
J TOILET #111 INTERIOR ELEVATION
3/8"=1'-0"



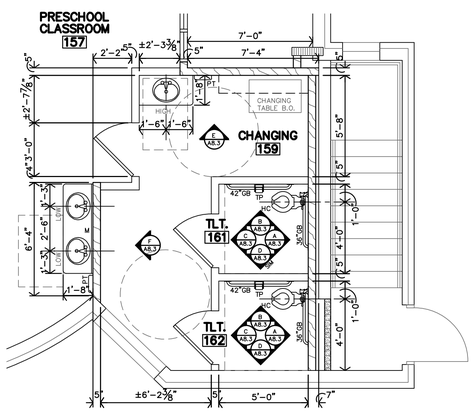
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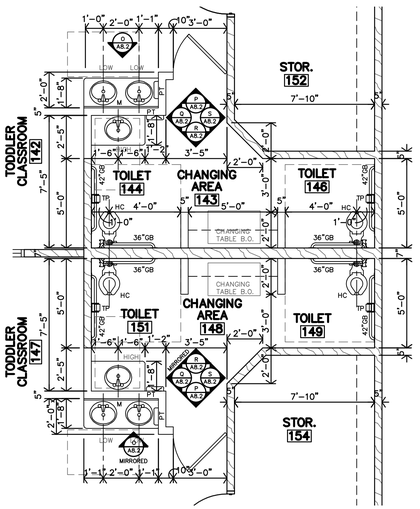
G TOILET #111 INTERIOR ELEVATION
3/8"=1'-0"



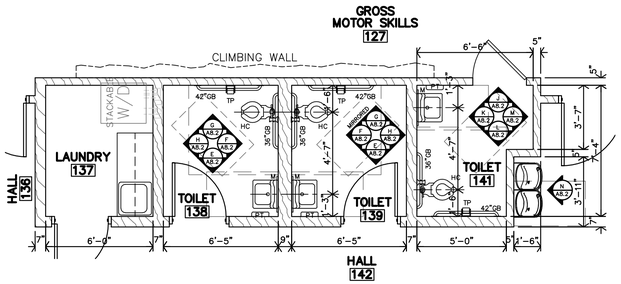
F CLASSROOM #112 INTERIOR ELEVATION
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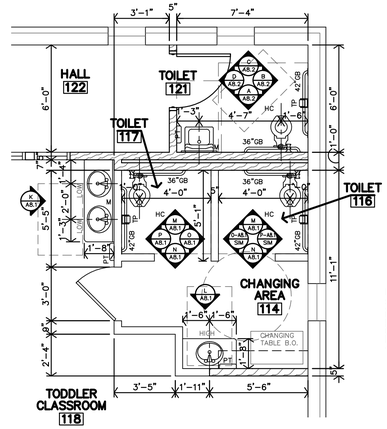
E TOILETS #161, & 162 ENLARGED PLANS
1/4"=1'-0"



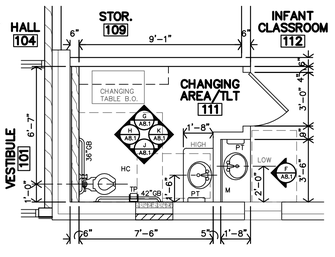
D TOILETS #144, 146, 149, & 151 ENLARGED PLANS
1/4"=1'-0"



C TOILETS #131, 132, & 133 ENLARGED PLANS
1/4"=1'-0"



B TOILETS #116, 117 & 121 ENLARGED PLANS
1/4"=1'-0"



A TOILET #111 ENLARGED PLAN
1/4"=1'-0"

LEGEND	
M	MIRROR
TP	TOILET PAPER DISPENSER
GB	GRAB BAR
PT	PAPER TOWEL DISPENSER
HC	HANDICAP ACCESSIBLE FIXTURE

NOTE:
TOILETS #116/117, 144/146, 149/151 & 161/162
(PER 2010 ADA SECT. 604.9 (AGES 3-4))
TOILET CENTERLINE: 12"
TOILET SEAT HEIGHT: 11"-12"
GRAB BAR HEIGHT: 18"-20"
TOILET PAPER DISPENSER HEIGHT: 14"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

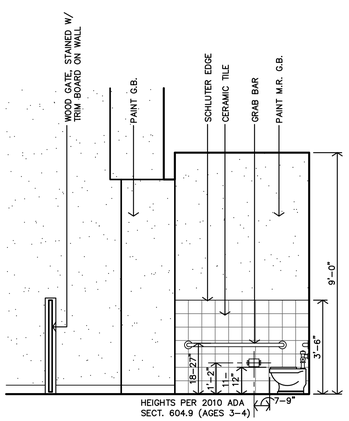
CHARLES A. RENZ
CENSED
5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

REVISION:

DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

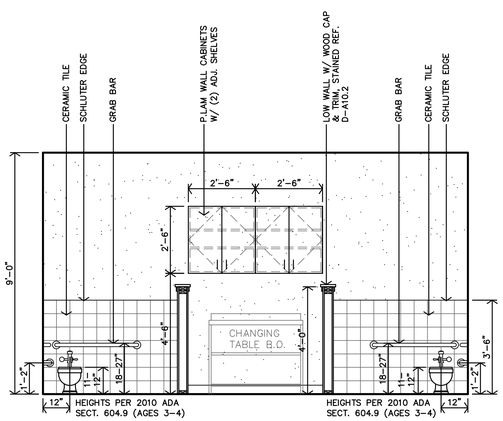
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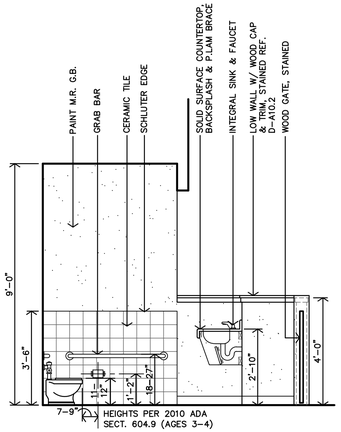
S TOILETS #144 & #146 INTERIOR ELEVATION

3/8"=1'-0" #149 & #151 MIRRORED



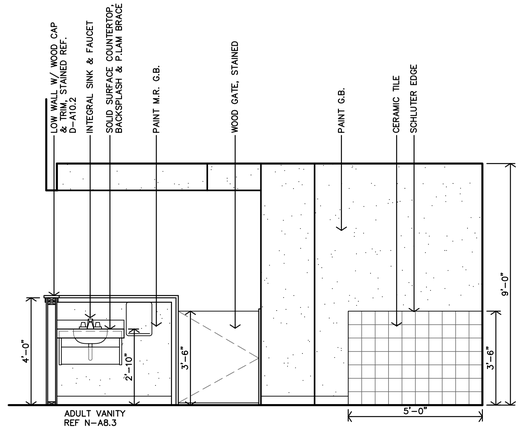
R TOILETS #144 & #146 INTERIOR ELEVATION

3/8"=1'-0" #149 & #151 MIRRORED



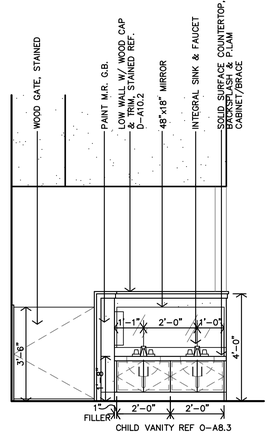
Q TOILETS #144 & #146 INTERIOR ELEVATION

3/8"=1'-0" #149 & #151 MIRRORED



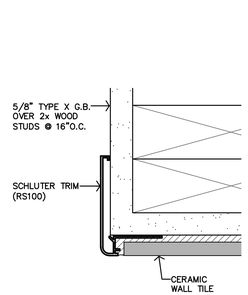
P TOILETS #144 & #146 INTERIOR ELEVATION

3/8"=1'-0" #149 & #151 MIRRORED



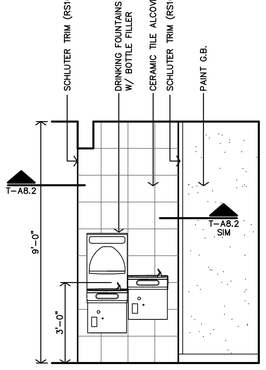
O CLASSROOM #142 INTERIOR ELEVATION

3/8"=1'-0" #147 MIRRORED



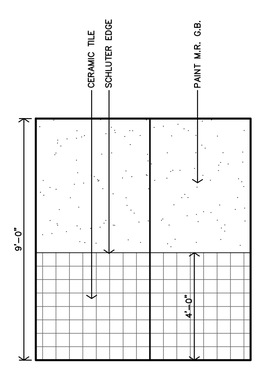
T DETAIL

6"=1'-0"



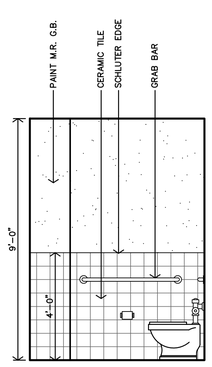
N DRINKING FOUNTAIN INTERIOR ELEVATION

3/8"=1'-0"



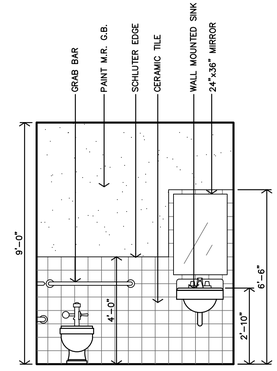
M TOILET #141 INTERIOR ELEVATION

3/8"=1'-0"



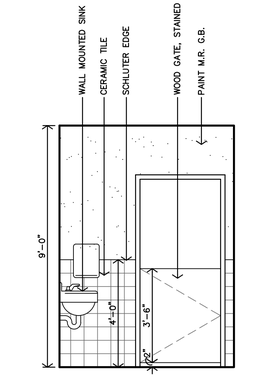
L TOILET #141 INTERIOR ELEVATION

3/8"=1'-0"



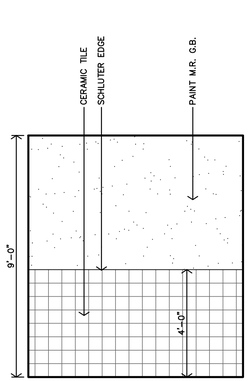
K TOILET #141 INTERIOR ELEVATION

3/8"=1'-0"



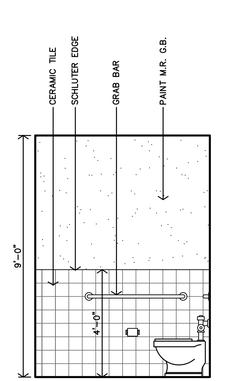
J TOILET #141 INTERIOR ELEVATION

3/8"=1'-0"



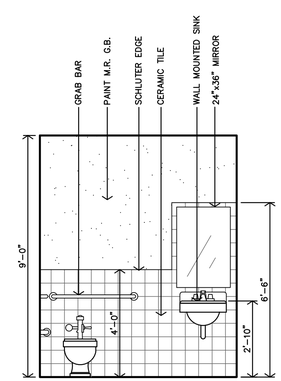
H TOILET #138 INTERIOR ELEVATION

3/8"=1'-0" #139 MIRRORED



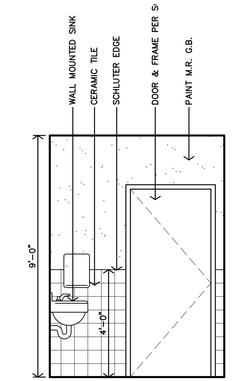
G TOILET #138 INTERIOR ELEVATION

3/8"=1'-0" #139 MIRRORED



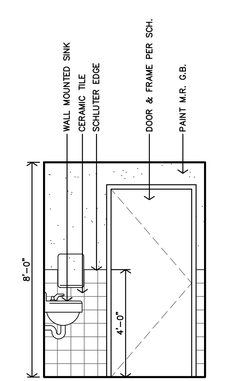
F TOILET #138 INTERIOR ELEVATION

3/8"=1'-0" #139 MIRRORED



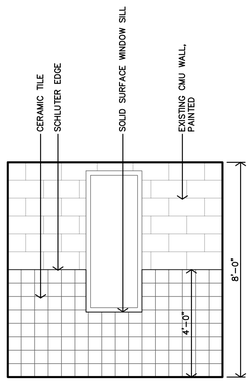
E TOILET #138 INTERIOR ELEVATION

3/8"=1'-0" #139 MIRRORED



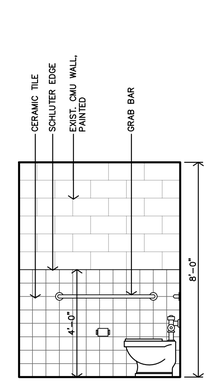
D TOILET #121 INTERIOR ELEVATION

3/8"=1'-0"



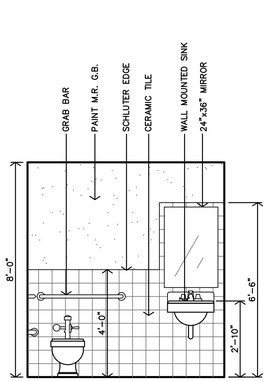
C TOILET #121 INTERIOR ELEVATION

3/8"=1'-0"



B TOILET #121 INTERIOR ELEVATION

3/8"=1'-0"



A TOILET #121 INTERIOR ELEVATION

3/8"=1'-0"

JonesGillamRenz
730 N. Ninth 1881 Main Street, Suite 301
Salina, KS 67401 Kansas City, MO 64108
785.827.0386 jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

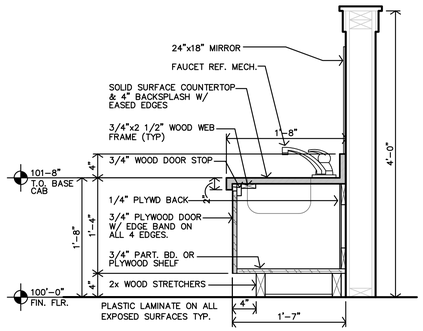
CHARLES A. RENZ LICENSED 5502 3-21-2024 KANSAS PROFESSIONAL ARCHITECT

REVISION:

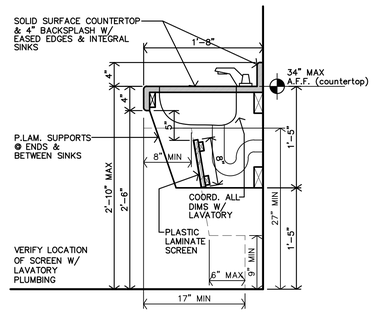
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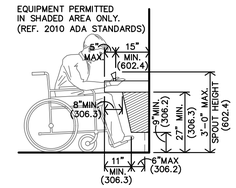
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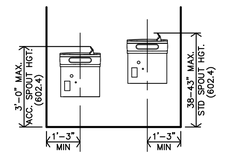
O CHILD VANITY SECTION
1"=1'-0"



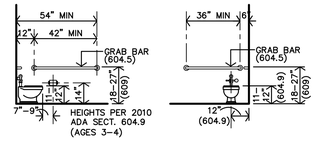
N ADULT VANITY SECTION
1"=1'-0"



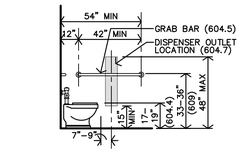
M DRINKING FOUNTAIN DETAIL
3/8"=1'-0"
FOR ACCESSIBLE HEIGHTS & LOCATION ONLY



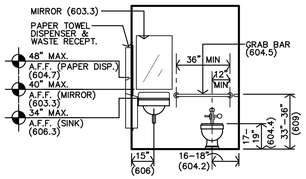
L DRINKING FOUNTAIN ELEVATION
3/8"=1'-0"
FOR ACCESSIBLE HEIGHTS & LOCATION ONLY



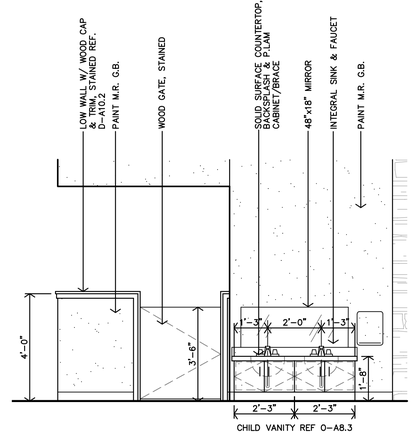
K CHILD HEIGHTS @ ACC. TOILET BACK/SIDE WALLS
1/4"=1'-0"
FOR ACCESSIBLE HEIGHTS & LOCATION ONLY



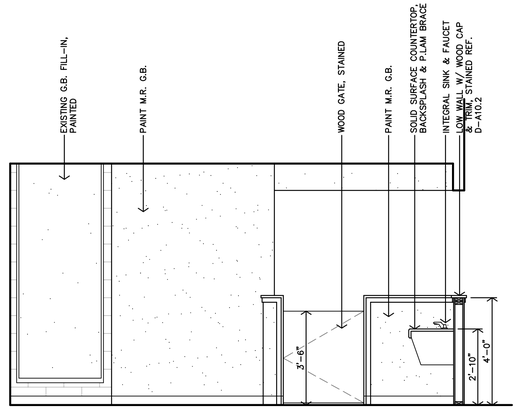
J TYP. HEIGHTS @ ACC. TOILET SIDE WALL
1/4"=1'-0"
FOR ACCESSIBLE HEIGHTS & LOCATION ONLY



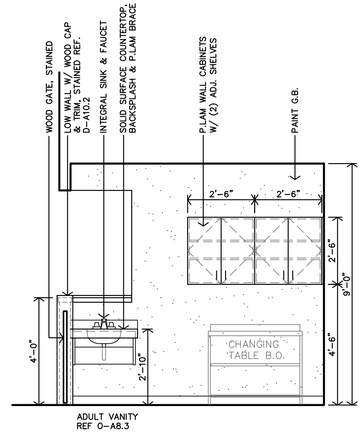
H TYP. HEIGHTS @ ACC. TOILET BACK WALL
1/4"=1'-0"
FOR ACCESSIBLE HEIGHTS & LOCATION ONLY



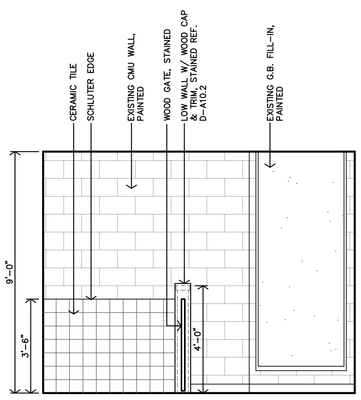
G CLASSROOM #158 INTERIOR ELEVATION
3/8"=1'-0"



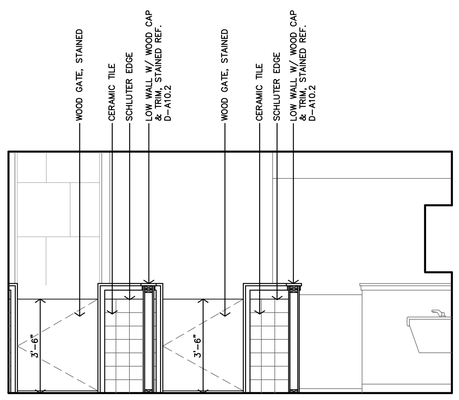
F CHANGING #159 INTERIOR ELEVATION
3/8"=1'-0"



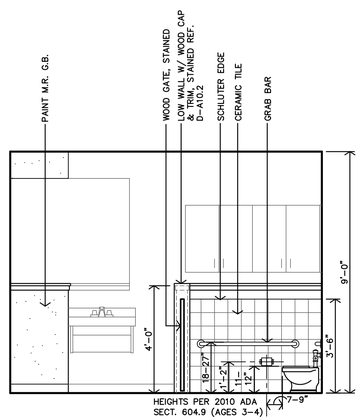
E CHANGING #159 INTERIOR ELEVATION
3/8"=1'-0"



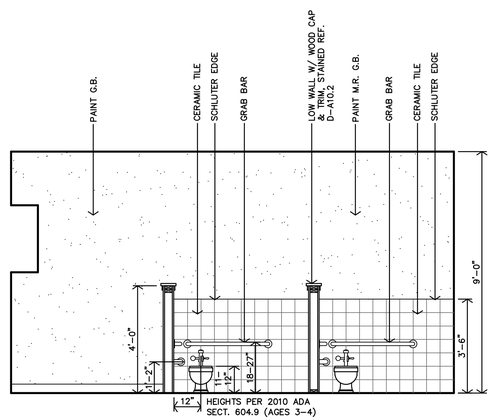
D TOILETS #161 & 162 INTERIOR ELEVATION
3/8"=1'-0"



C TOILETS #161 & 162 INTERIOR ELEVATION
3/8"=1'-0"



B TOILETS #161 & 162 INTERIOR ELEVATION
3/8"=1'-0"



A TOILETS #161 & 162 INTERIOR ELEVATION
3/8"=1'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
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HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

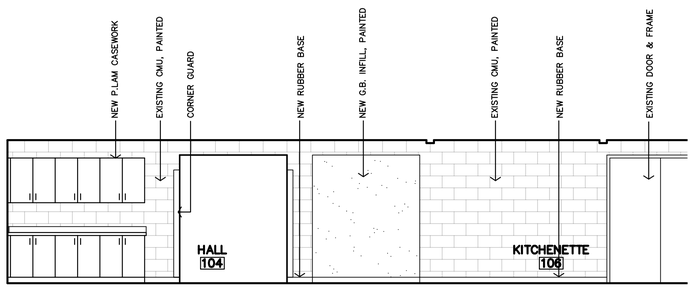
CHARLES A. RENZ
LICENSED
5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

REVISION:

DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

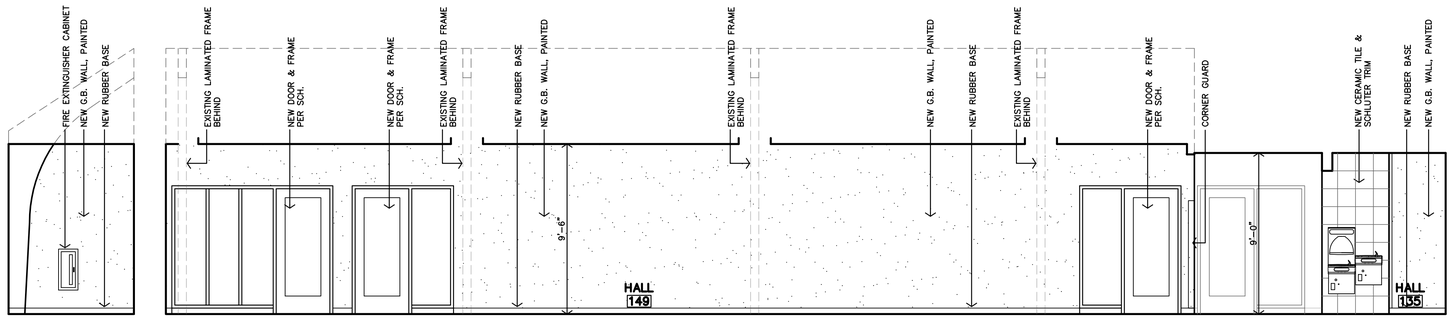
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J ALTERNATE #1 HALLS #104 & 106 INTERIOR ELEVATION

1/4"=1'-0"

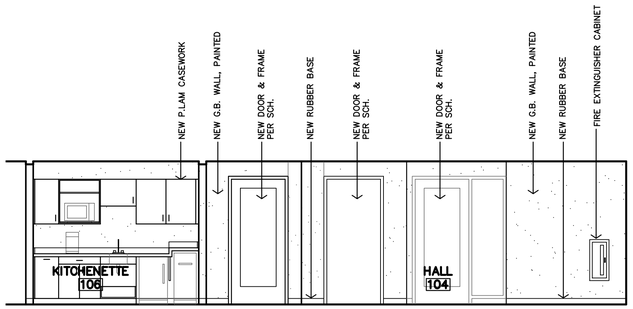


G HALL #149 INTERIOR ELEVATION

1/4"=1'-0"

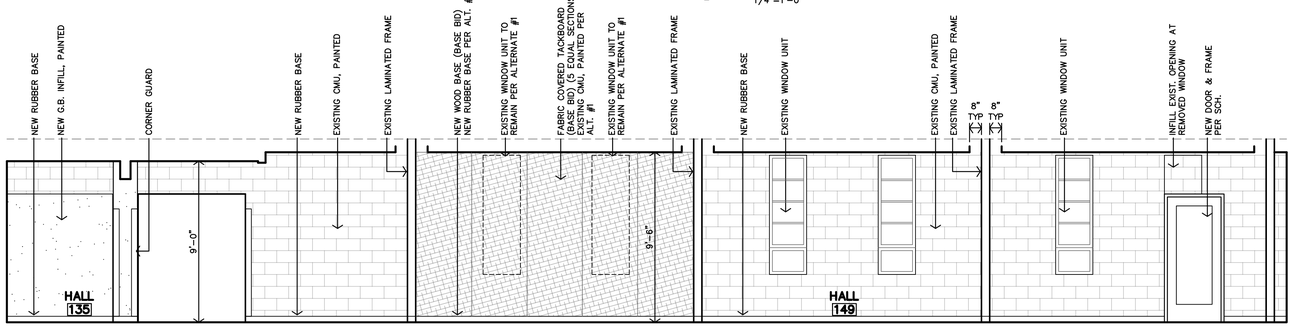
F HALLS #149 & 135 INTERIOR ELEVATION

1/4"=1'-0"



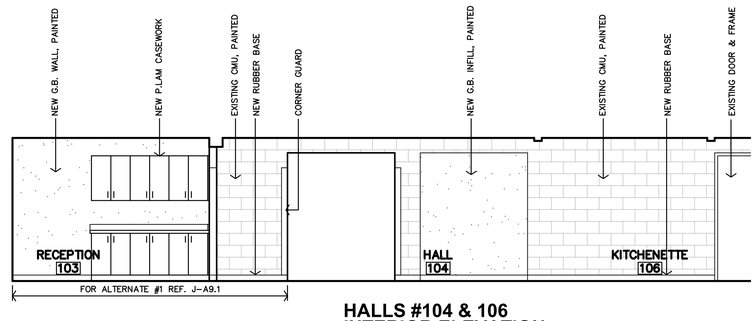
H ALTERNATE #1 HALLS #104 & 106 INTERIOR ELEVATION

1/4"=1'-0"



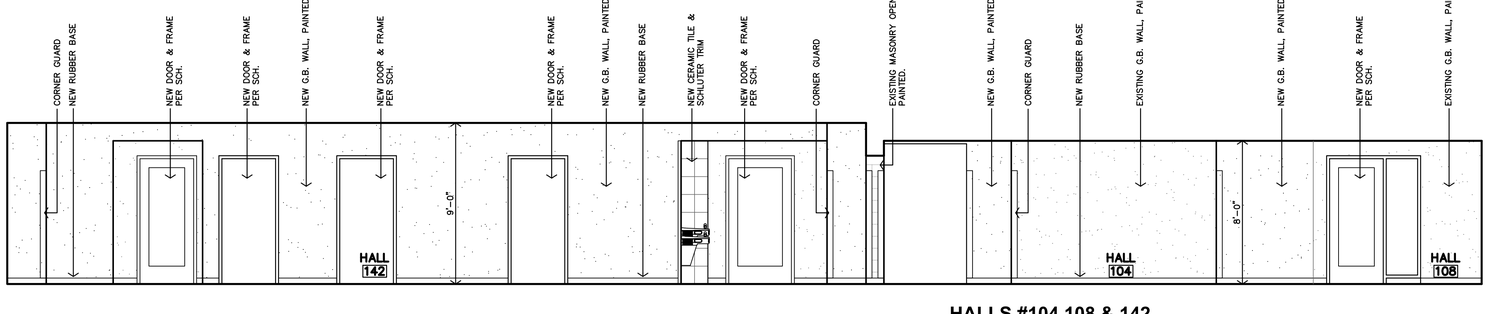
E HALLS #149 & 135 INTERIOR ELEVATION

1/4"=1'-0"



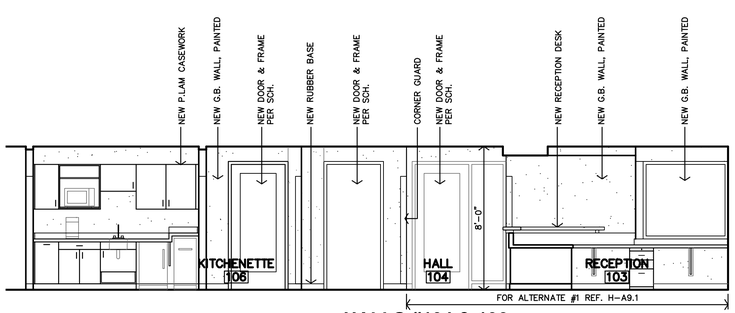
D HALLS #104 & 106 INTERIOR ELEVATION

1/4"=1'-0"



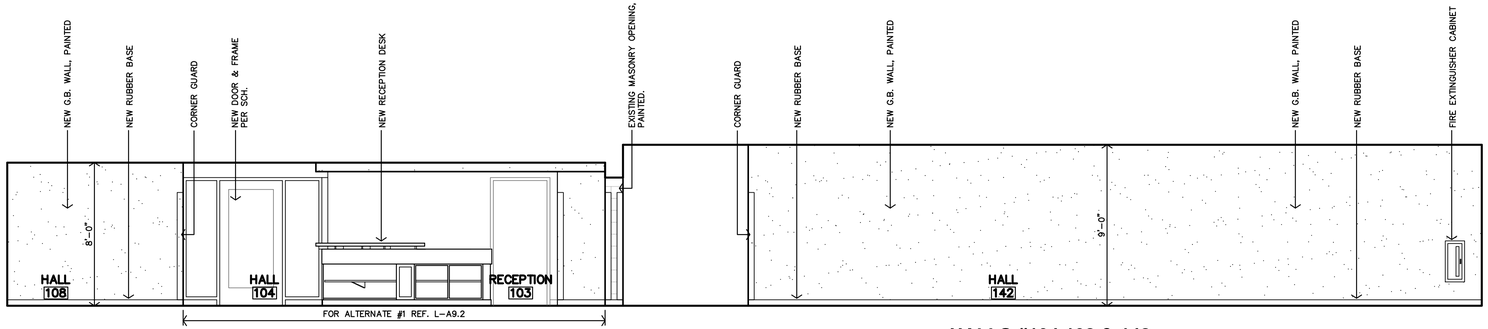
C HALLS #104,108 & 142 INTERIOR ELEVATION

1/4"=1'-0"



B HALLS #104 & 106 INTERIOR ELEVATION

1/4"=1'-0"



A HALLS #104,108 & 142 INTERIOR ELEVATION

1/4"=1'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
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HILLSBORO, KANSAS

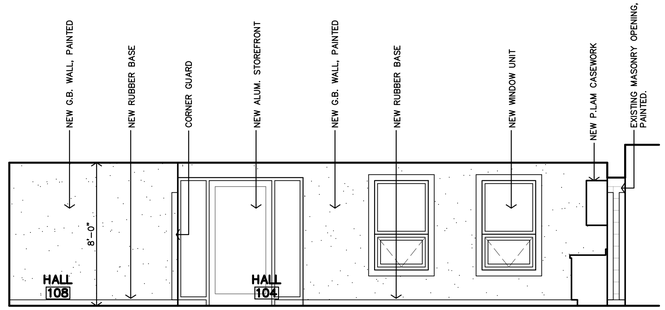
CHARLES A. RENZ LICENSED 5502 3-21-2024 KANSAS PROFESSIONAL ARCHITECT

REVISION:

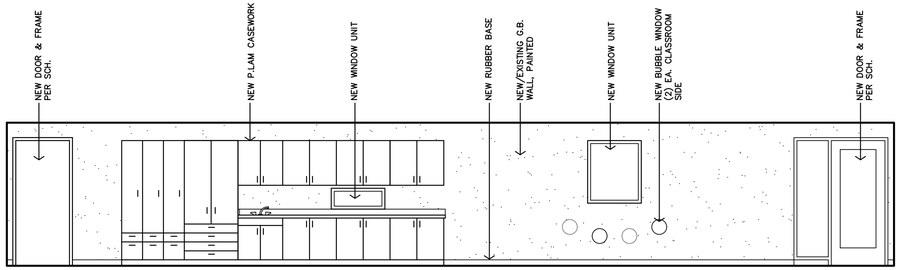
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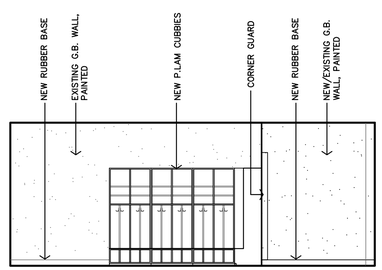
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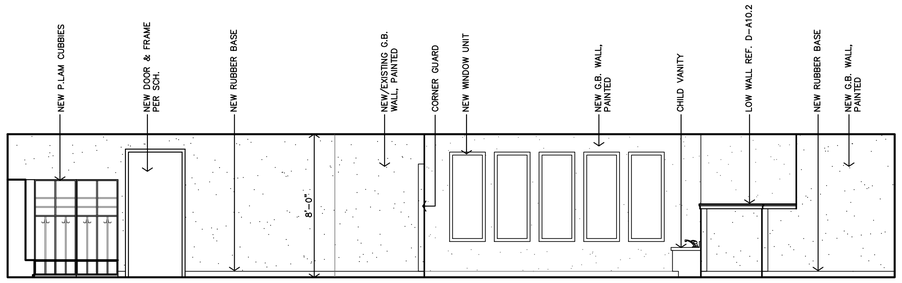
L ALTERNATE #1 HALLS #104 & 108 INTERIOR ELEVATION
1/4"=1'-0"



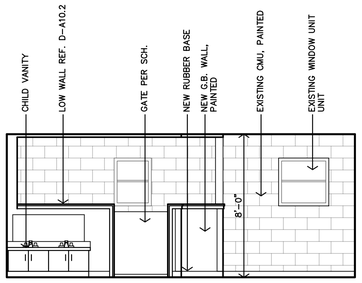
K TODDLER CLASSROOM #118 INTERIOR ELEVATION
1/4"=1'-0"



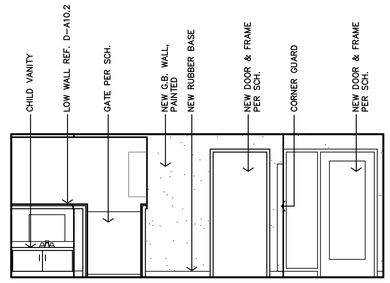
J TODDLER CLASSROOM #118 INTERIOR ELEVATION
1/4"=1'-0"



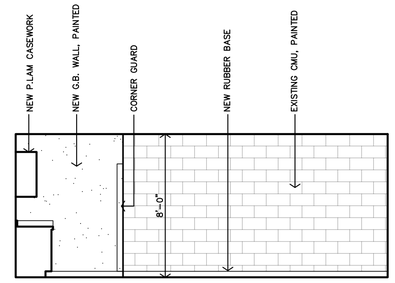
H TODDLER CLASSROOM #118 INTERIOR ELEVATION
1/4"=1'-0"



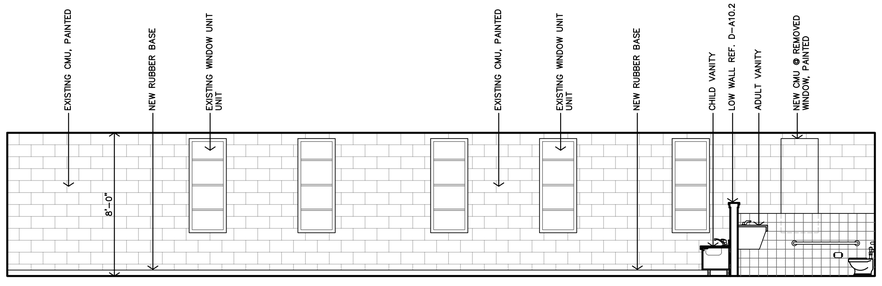
G TODDLER CLASSROOM #118 INTERIOR ELEVATION
1/4"=1'-0"



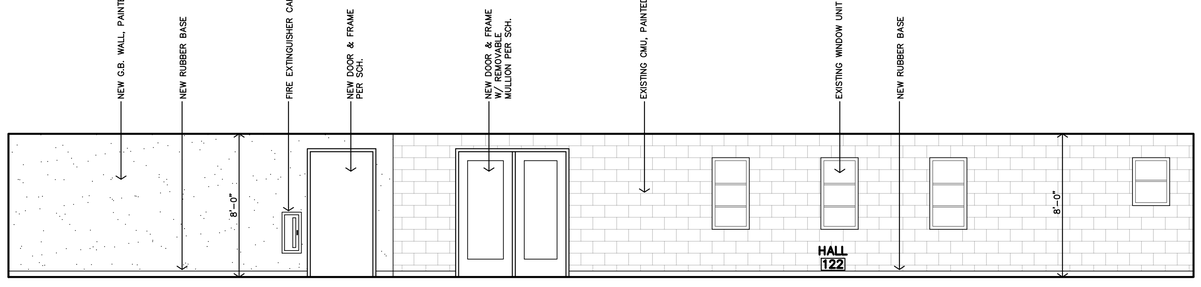
F INFANT CLASSROOM #112 INTERIOR ELEVATION
1/4"=1'-0"



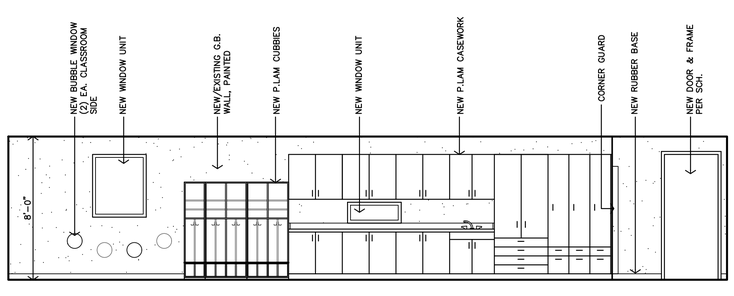
E INFANT CLASSROOM #112 INTERIOR ELEVATION
1/4"=1'-0"



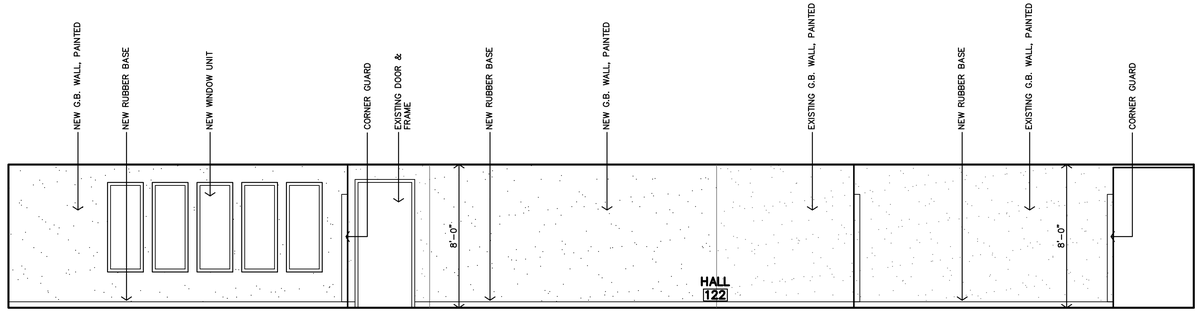
D INFANT CLASSROOM #112 INTERIOR ELEVATION
1/4"=1'-0"



C HALL #122 INTERIOR ELEVATION
1/4"=1'-0"



B INFANT CLASSROOM #112 INTERIOR ELEVATION
1/4"=1'-0"



A HALL #122 INTERIOR ELEVATION
1/4"=1'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

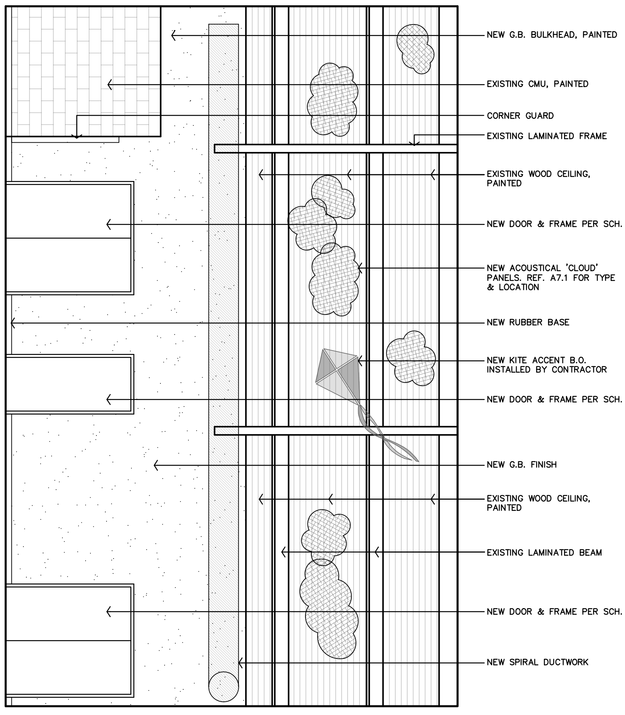
CHARLES A. RENZ
ARCHITECT
LICENSED
5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

REVISION:

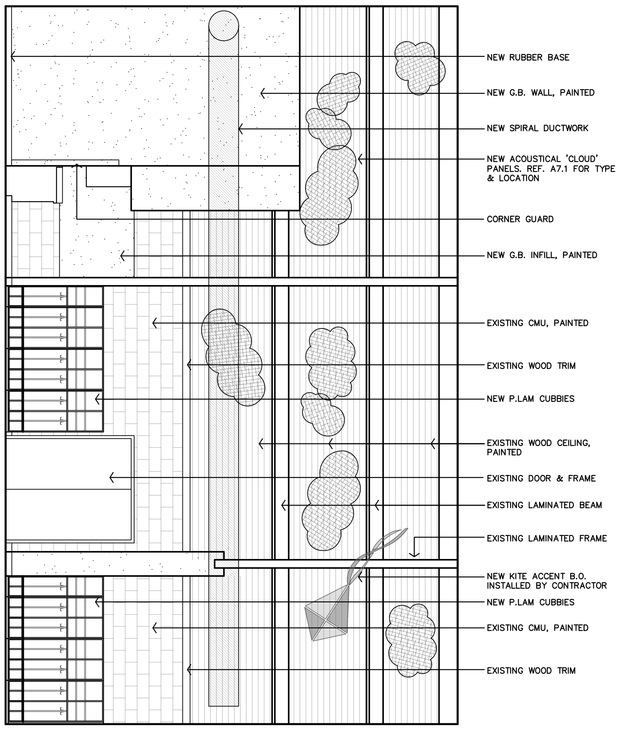
DATE: 3-21-2024
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A9.2

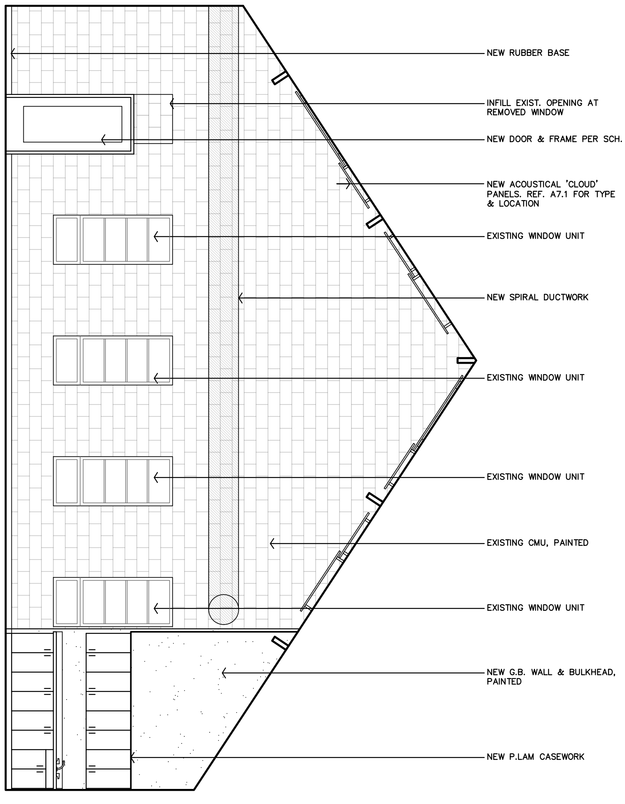
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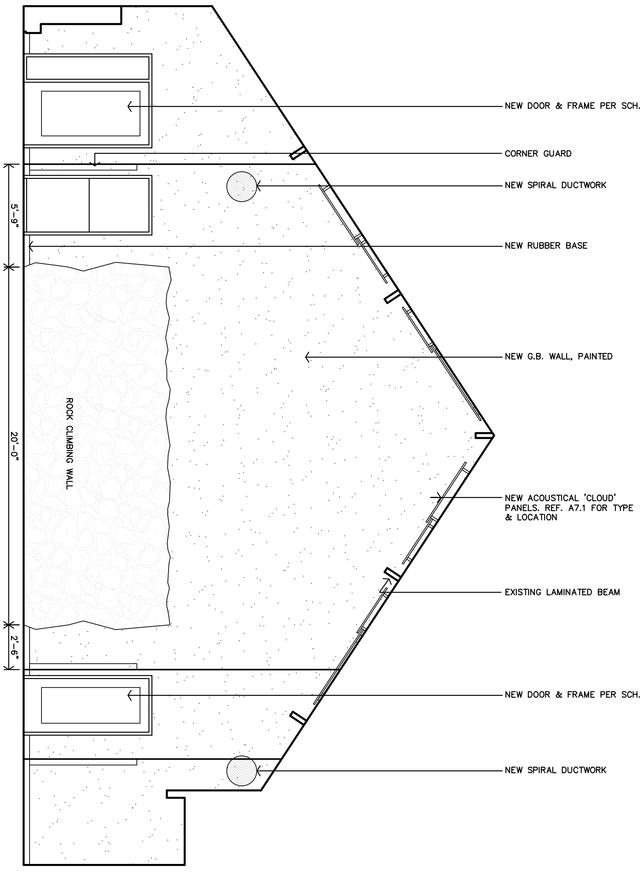
B GROSS MOTOR SKILLS #127 INTERIOR ELEVATION
1/4"=1'-0"



D GROSS MOTOR SKILLS #127 INTERIOR ELEVATION
1/4"=1'-0"



A GROSS MOTOR SKILLS #127 INTERIOR ELEVATION
1/4"=1'-0"



C GROSS MOTOR SKILLS #127 INTERIOR ELEVATION
1/4"=1'-0"

A9.3

DATE: 3-21-2024
JOB: 22-3225 RE
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REVISION:

CHARLES A. REZAC
REGISTERED ARCHITECT
1-21-2024
5502
KANSAS

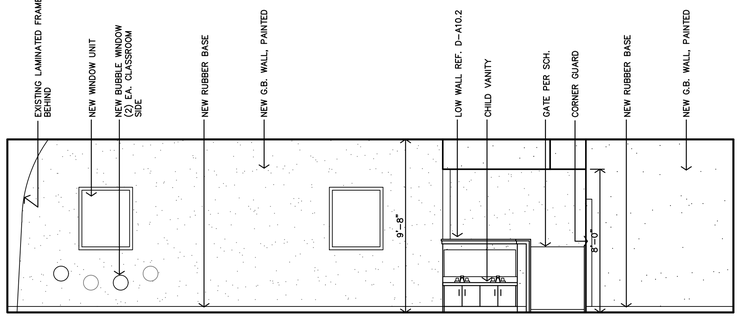
HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

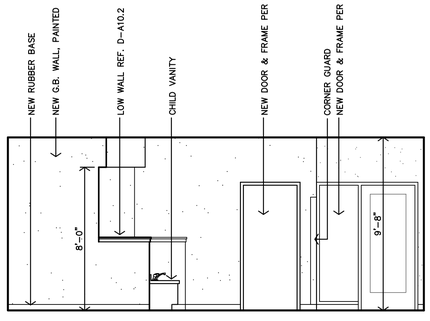
HILLSBORO, KANSAS

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

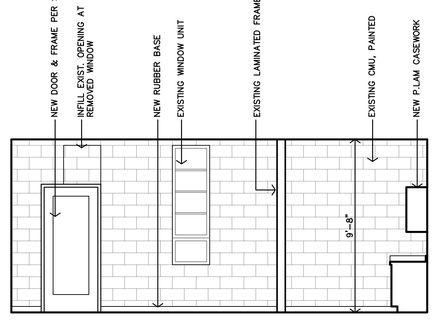
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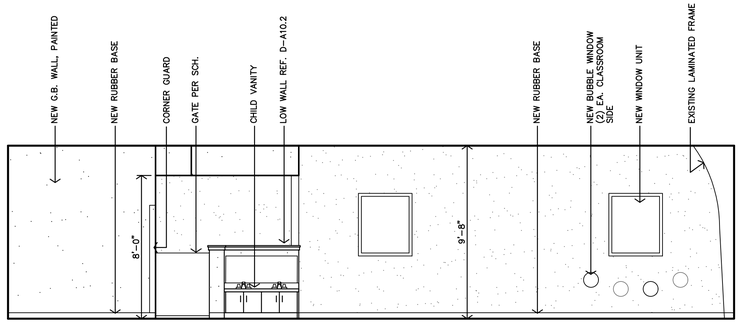
F TODDLER CLASSROOM #156 INTERIOR ELEVATION
1/4"=1'-0"



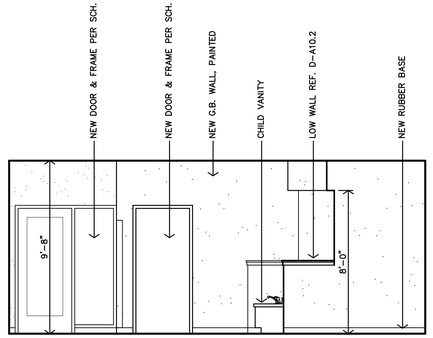
E TODDLER CLASSROOM #156 INTERIOR ELEVATION
1/4"=1'-0"



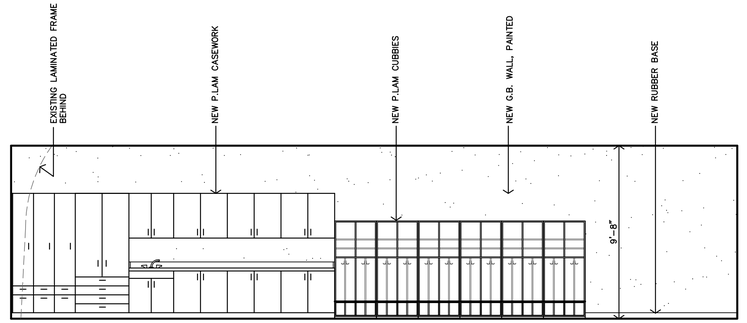
D TODDLER CLASSROOM #143 INTERIOR ELEVATION
1/4"=1'-0"



C TODDLER CLASSROOM #143 INTERIOR ELEVATION
1/4"=1'-0"



B TODDLER CLASSROOM #143 INTERIOR ELEVATION
1/4"=1'-0"



A TODDLER CLASSROOM #143 INTERIOR ELEVATION
1/4"=1'-0"

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

CHARLES A. RENZ
LICENSED
5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

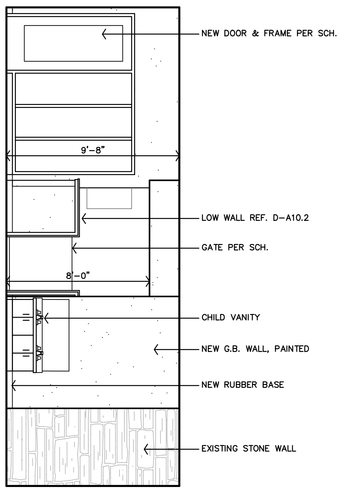
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DATE: 3-21-2024
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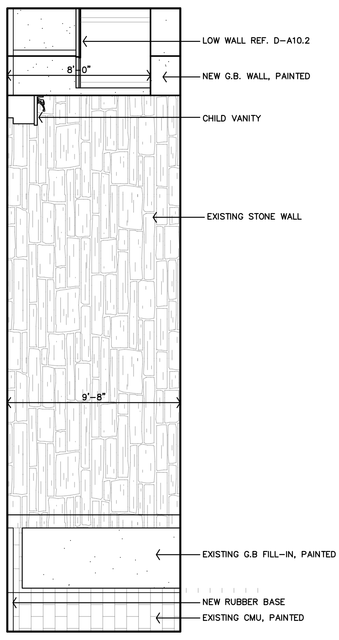
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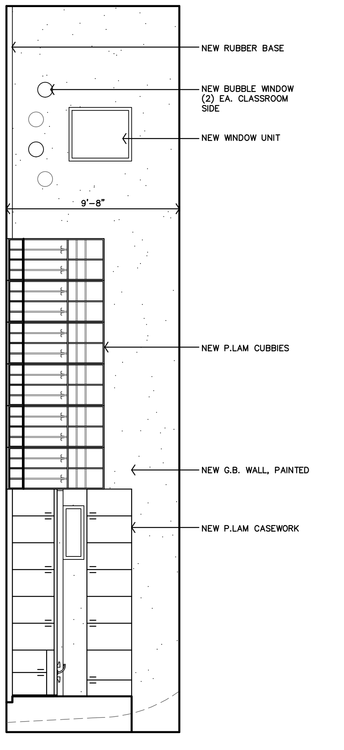
C PRESCHOOL #158 INTERIOR ELEVATION
1/4"=1'-0"



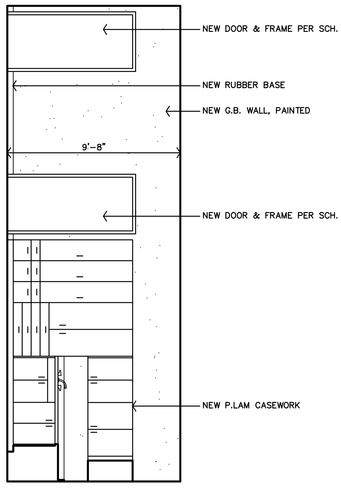
F PRESCHOOL #158 INTERIOR ELEVATION
1/4"=1'-0"



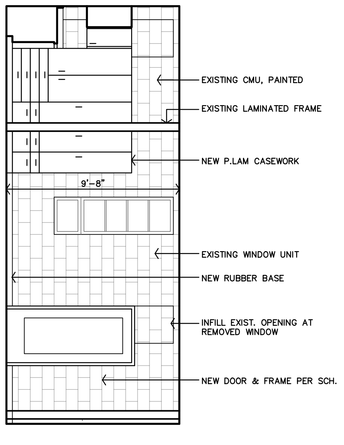
B TODDLER CLASSROOM #156 INTERIOR ELEVATION
1/4"=1'-0"



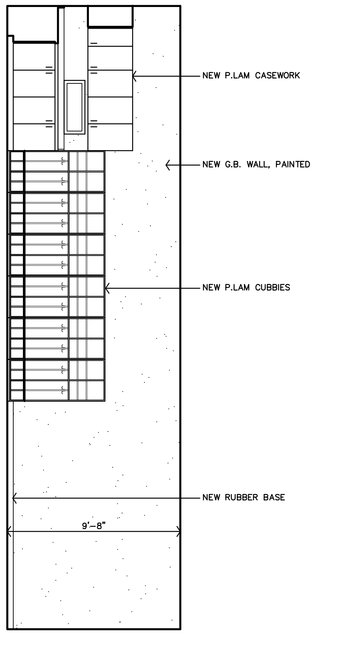
E PRESCHOOL #158 INTERIOR ELEVATION
1/4"=1'-0"



A TODDLER CLASSROOM #156 INTERIOR ELEVATION
1/4"=1'-0"



D PRESCHOOL #158 INTERIOR ELEVATION
1/4"=1'-0"



A9.5

DATE: 3-21-2024
JOB: 22-3225 RE
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REVISION:
SHEET NUMBER

CHARLES A. REZAC
5502
3-21-2024
REGISTERED ARCHITECT

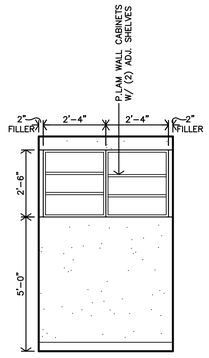
HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

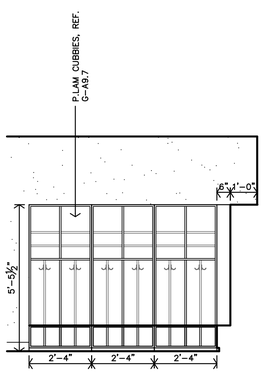
HILLSBORO, KANSAS

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

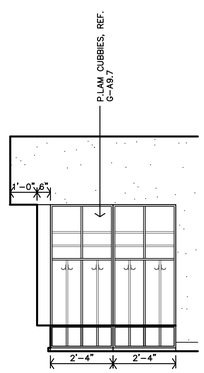
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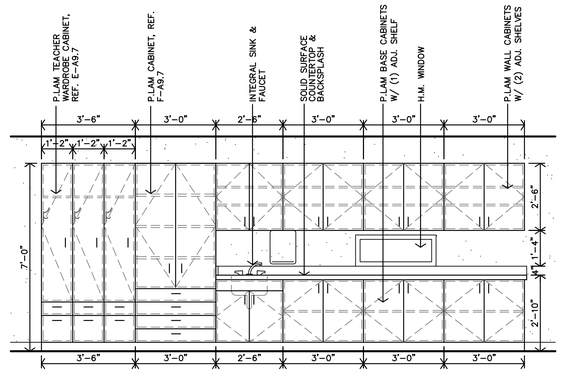
O **STORAGE #119 CASEWORK ELEVATION**
3/8"=1'-0"



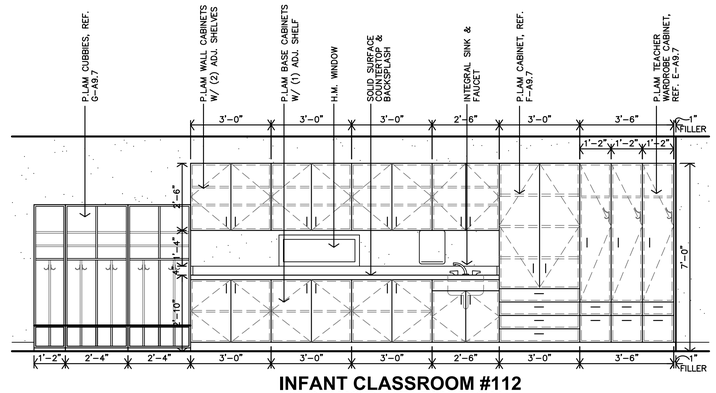
N **TODDLER CLASSROOM #118 CASEWORK ELEVATION**
3/8"=1'-0"



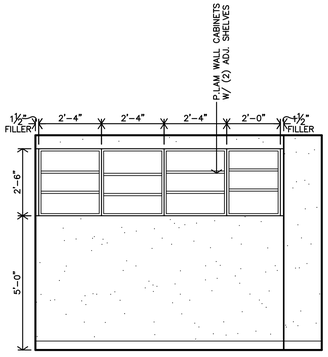
M **TODDLER CLASSROOM #118 CASEWORK ELEVATION**
3/8"=1'-0"



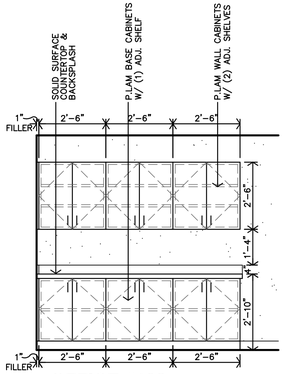
L **TODDLER CLASSROOM #118 CASEWORK ELEVATION**
3/8"=1'-0"



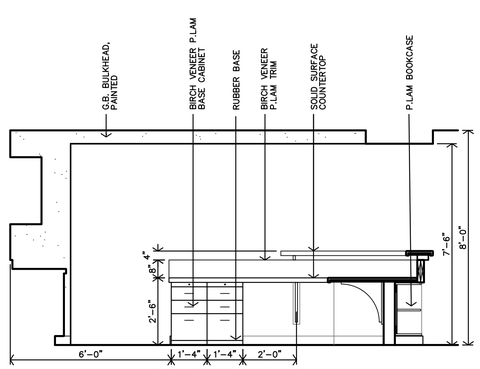
K **INFANT CLASSROOM #112 CASEWORK ELEVATION**
3/8"=1'-0"



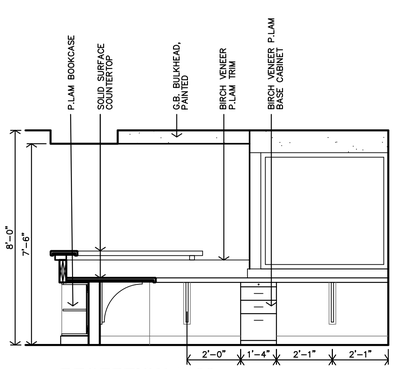
J **STORAGE #109 CASEWORK ELEVATION**
3/8"=1'-0"



H **OFFICE #102 CASEWORK ELEVATION**
3/8"=1'-0"



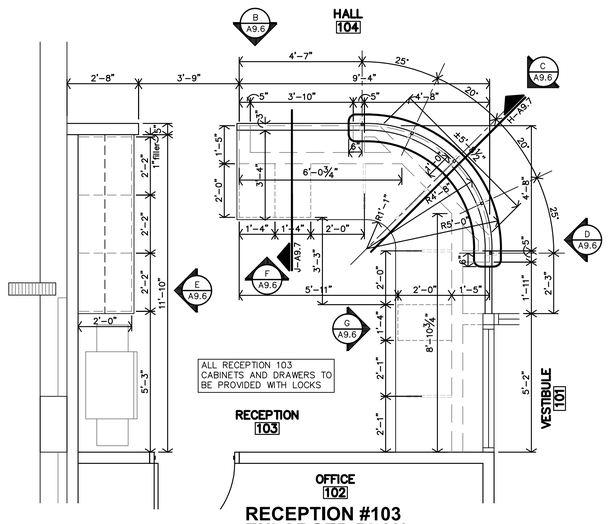
G **RECEPTION #103 CASEWORK ELEVATION**
3/8"=1'-0"



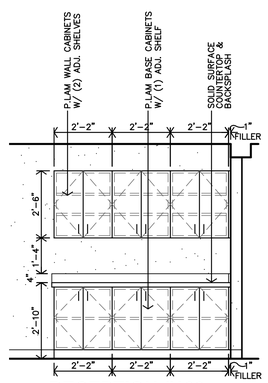
F **RECEPTION #103 CASEWORK ELEVATION**
3/8"=1'-0"

CASEWORK NOTES

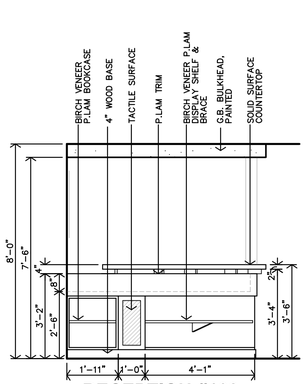
1. SOLID SURFACE COUNTERTOPS & BACKSPLASHES W/ EASED EDGES, U.N.O.
2. 3MM PVC EDGE BAND AT ALL EXPOSED EDGES OF DOORS & DRAWERS.
3. ENTIRE CABINET DOOR (INTERIOR & EXTERIOR) TO BE PLASTIC LAMINATE.
4. COUNTERTOPS & BACKSPLASHES TO BE P.LAM W/ EASED EDGES.
5. PROVIDE ALL NECESSARY FILLERS OF MATCHING MATERIALS. INSTALL CONTINUOUS FINISH FLOORING BASE @ CASEWORK TOEKICK.
6. ALL ADJUSTABLE SHELVING SHALL BE 3/4" THICK MATERIAL.
7. EXPOSED ADJUSTABLE SHELVING SHALL HAVE FULL THICKNESS PLASTIC LAMINATE AT ALL FOUR EDGES. TAPE IS NOT ACCEPTABLE.
8. ALL UPPER CABINETS SHALL HAVE (2) ADJUSTABLE SHELVES PER EACH CABINET, U.N.O.
9. ALL BASE CABINETS SHALL HAVE (1) ADJUSTABLE SHELF PER EACH CABINET, U.N.O.
10. REFERENCE ELEVATIONS FOR NUMBER OF ADJUSTABLE SHELVES AT LOWER CABINET UNITS.
11. MULTIPLE LAMINATES (PREMIUM FINISHES) WILL BE SELECTED BY ARCHITECT.
12. CABINETS TO BE FLUSH OVERLAY, U.N.O.
13. PROVIDE BLOCKING BEHIND WALL FOR SUPPORT OF CABINETRY.
14. PROVIDE & INSTALL ANGLE SUPPORT BRACKETS WHERE COUNTERTOP SPAN EXCEEDS 36"inch WIDTH.



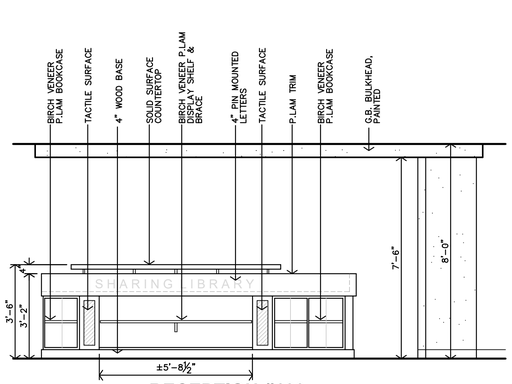
A **RECEPTION #103 ENLARGED PLAN**
3/8"=1'-0"



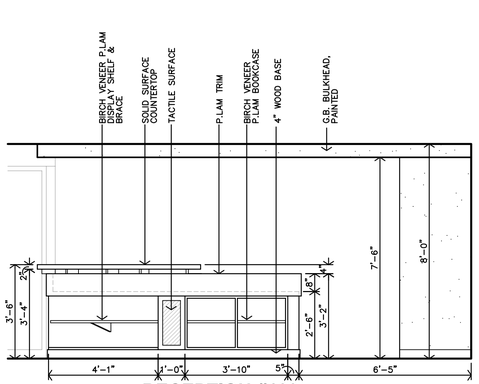
E **RECEPTION #103 CASEWORK ELEVATION**
3/8"=1'-0"



D **RECEPTION #103 CASEWORK ELEVATION**
3/8"=1'-0"



C **RECEPTION #103 CASEWORK ELEVATION**
3/8"=1'-0"



B **RECEPTION #103 CASEWORK ELEVATION**
3/8"=1'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

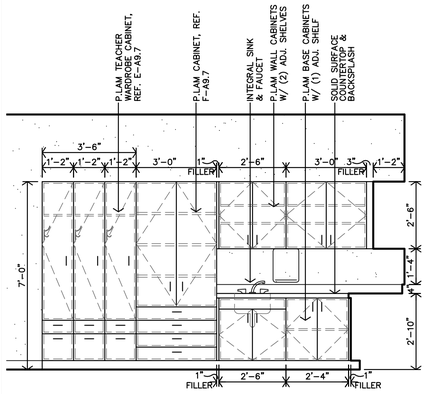
CHARLES A. RENZ LICENSED ARCHITECT 5502 3-21-2024 KANSAS PROFESSIONAL ARCHITECT

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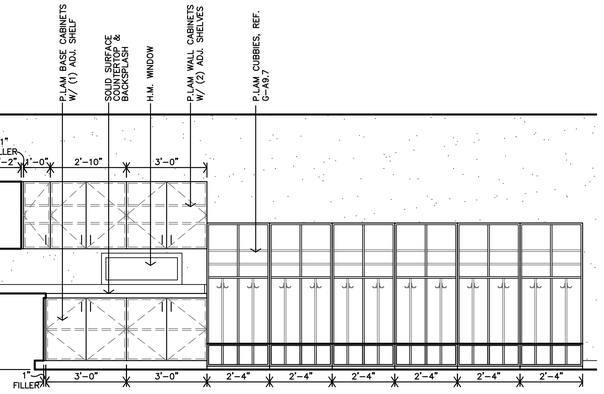
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SHEET NO.:

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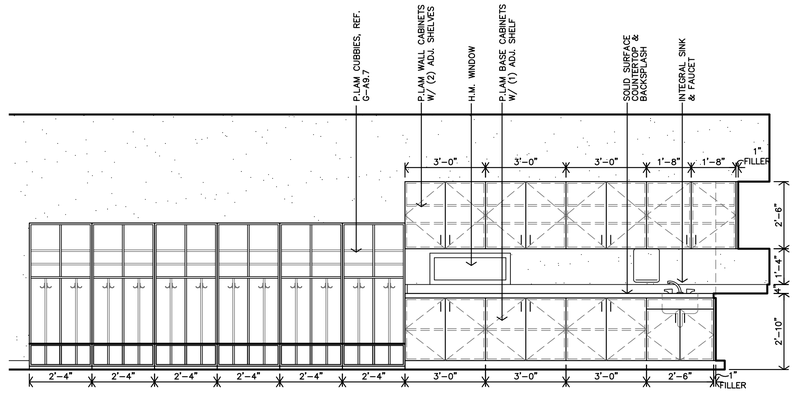
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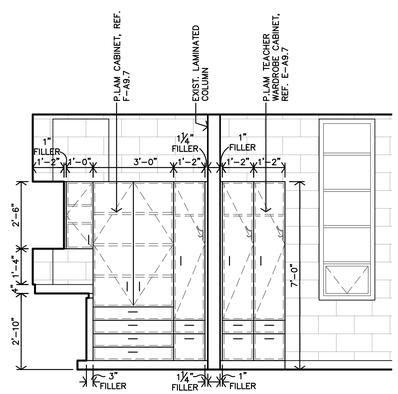
M **TODDLER CLASSROOM #158 CASEWORK ELEVATION**
3/8"=1'-0"



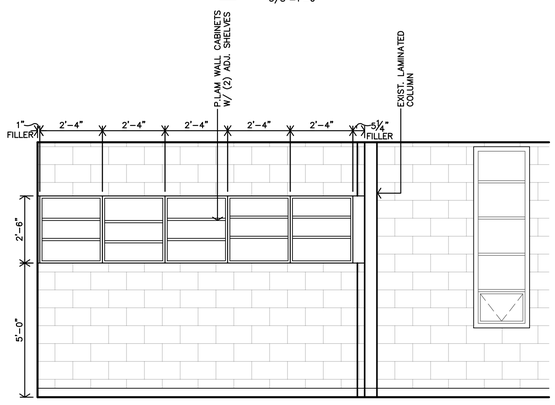
L **TODDLER CLASSROOM #158 CASEWORK ELEVATION**
3/8"=1'-0"



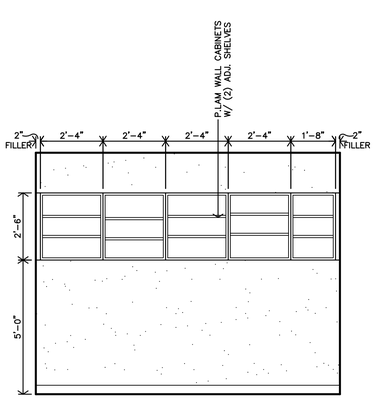
K **TODDLER CLASSROOM #156 CASEWORK ELEVATION**
3/8"=1'-0"



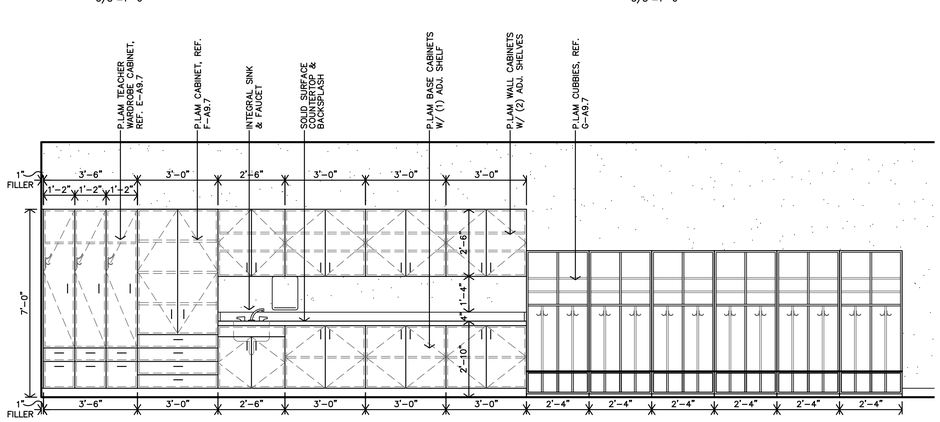
J **TODDLER CLASSROOM #156 CASEWORK ELEVATION**
3/8"=1'-0"



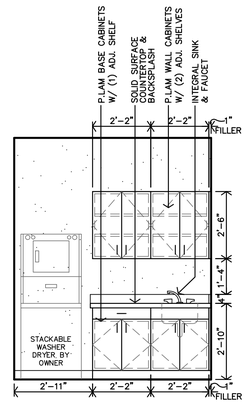
H **STORAGE #157 CASEWORK ELEVATION**
3/8"=1'-0"



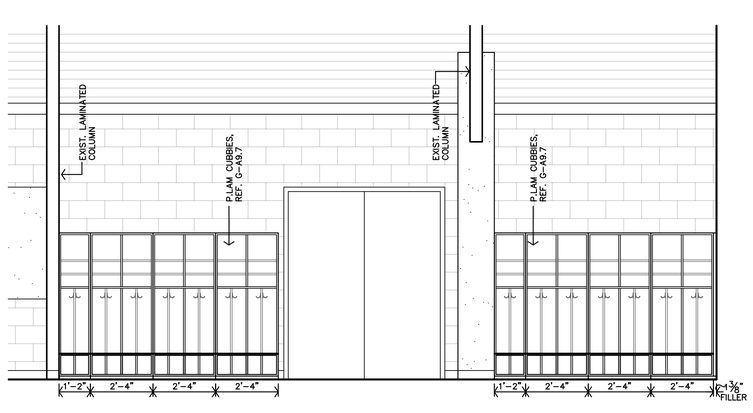
G **STORAGE #144/152 CASEWORK ELEVATION**
3/8"=1'-0"



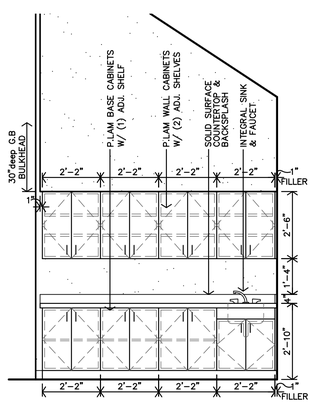
F **TODDLER CLASSROOM #143 CASEWORK ELEVATION**
3/8"=1'-0"



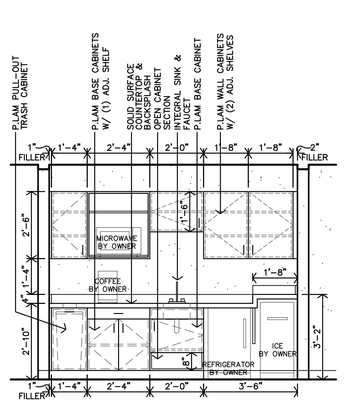
E **LAUNDRY #137 CASEWORK ELEVATION**
3/8"=1'-0"



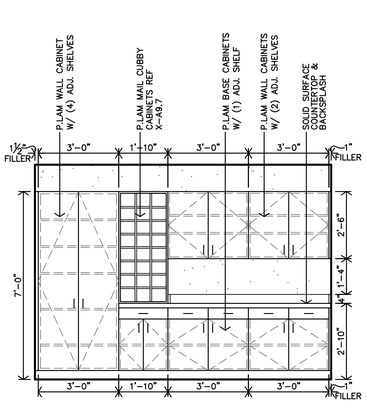
D **GROSS MOTOR SKILLS #127 CASEWORK ELEVATION**
3/8"=1'-0"



C **GROSS MOTOR SKILLS #127 CASEWORK ELEVATION**
3/8"=1'-0"



B **KITCHENETTE #106 CASEWORK ELEVATION**
3/8"=1'-0"



A **MEETING #107 CASEWORK ELEVATION**
3/8"=1'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

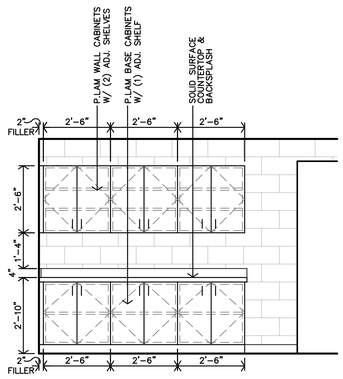
CHARLES A. RENZ
LICENSED
5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

REVISION:

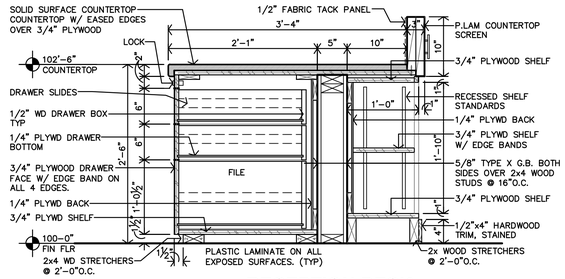
DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

A9.7

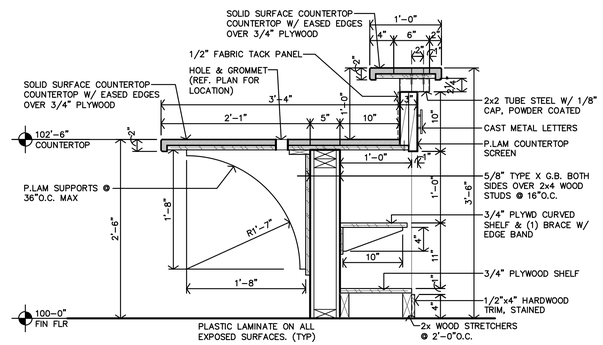
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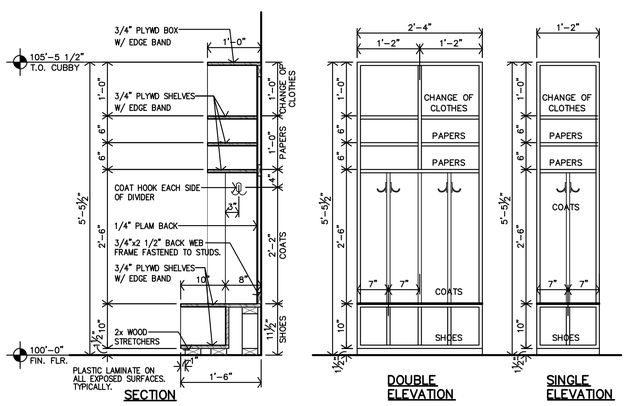
K HALL #104 CASEWORK ELEVATION
3/8"=1'-0"



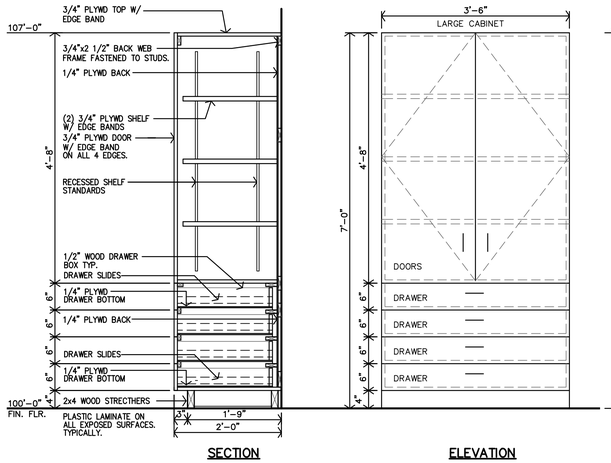
J RECEPTION DESK CASEWORK SECTION
1"=1'-0"



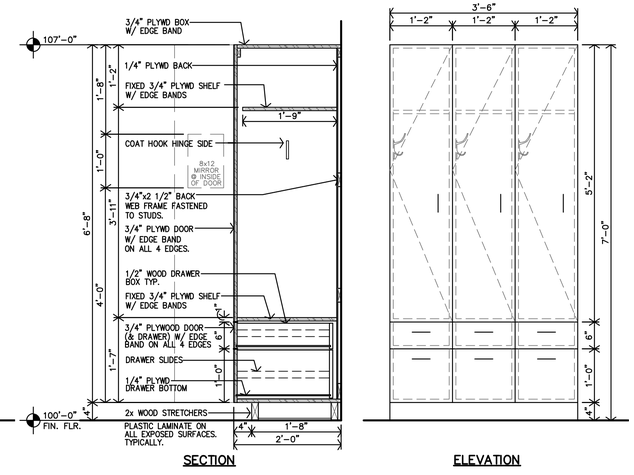
H RECEPTION DESK CASEWORK SECTION
1"=1'-0"



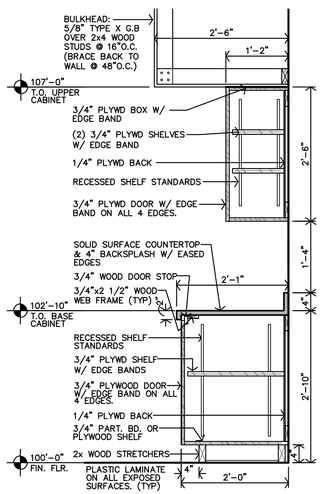
G CUBBY CASEWORK SECTION
3/4"=1'-0"



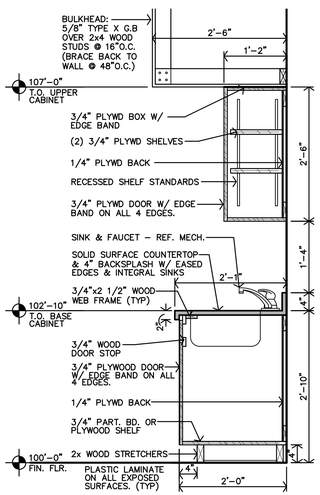
F LARGE CABINET
3/4"=1'-0"



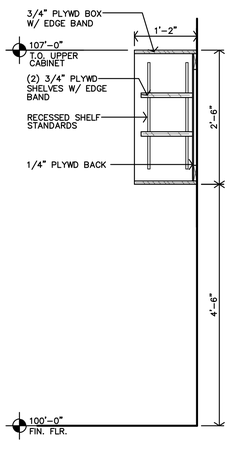
E TEACHER WARDROBE
3/4"=1'-0"



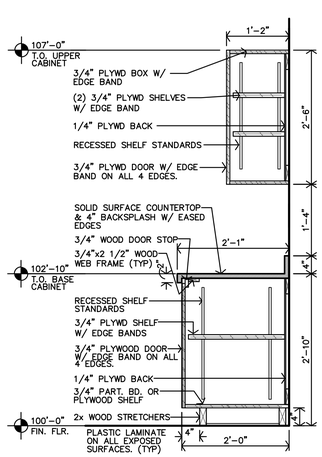
M GROSS MOTOR SKILLS #127 CASEWORK SECTION
3/4"=1'-0"



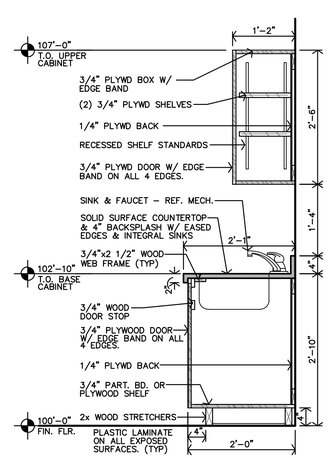
L GROSS MOTOR SKILLS #127 CASEWORK SECTION
3/4"=1'-0"



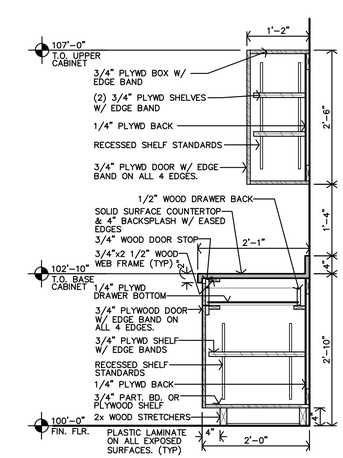
D TYPICAL CASEWORK SECTION
3/4"=1'-0"



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



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



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

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
785.827.0386
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

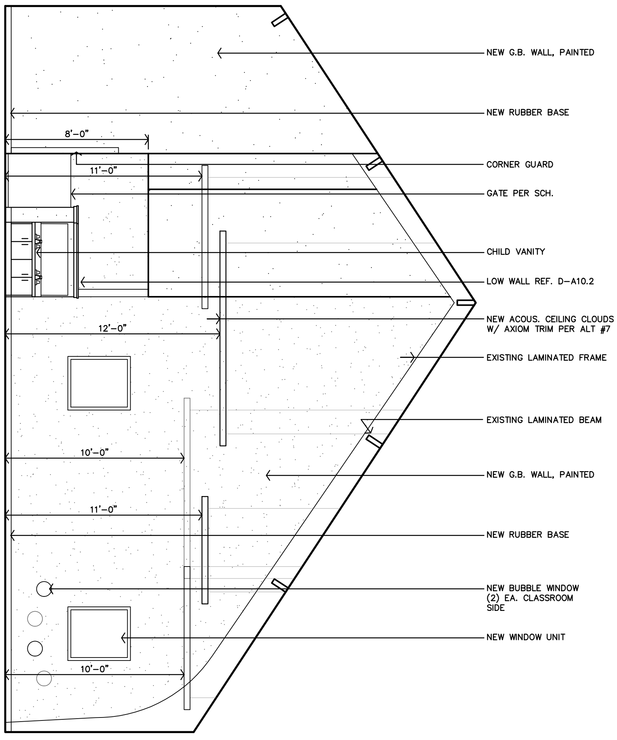
CHARLES A. RENZ
LICENSED
5502
3-21-2024
KANSAS
PROFESSIONAL ARCHITECT

REVISION:

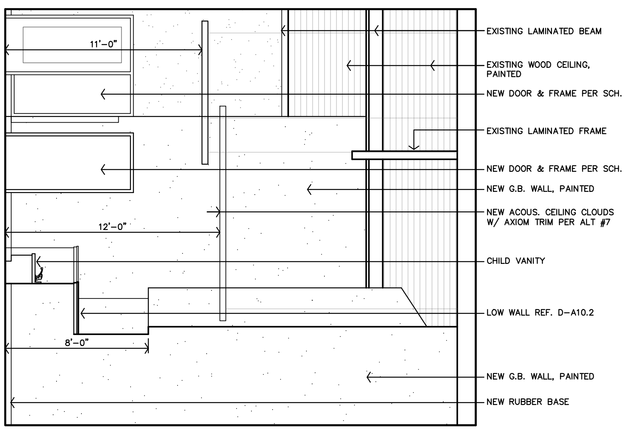
DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

A9.8

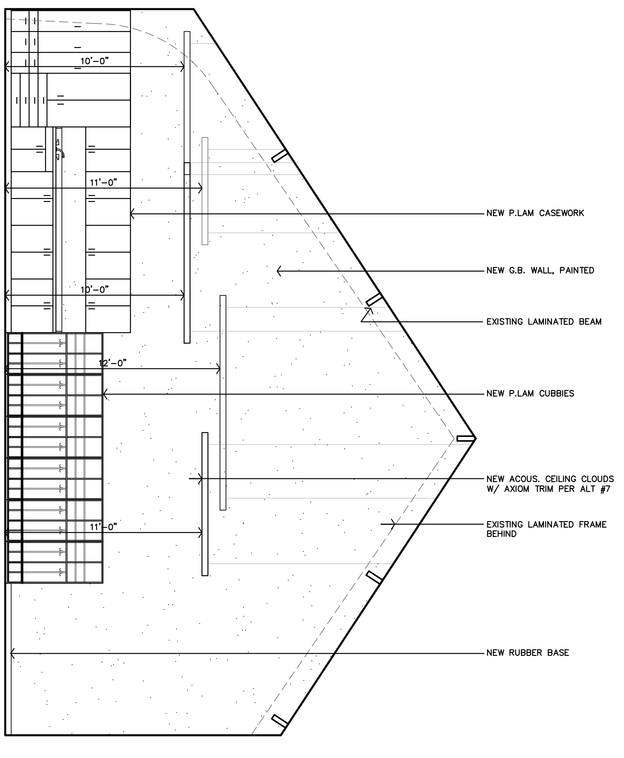
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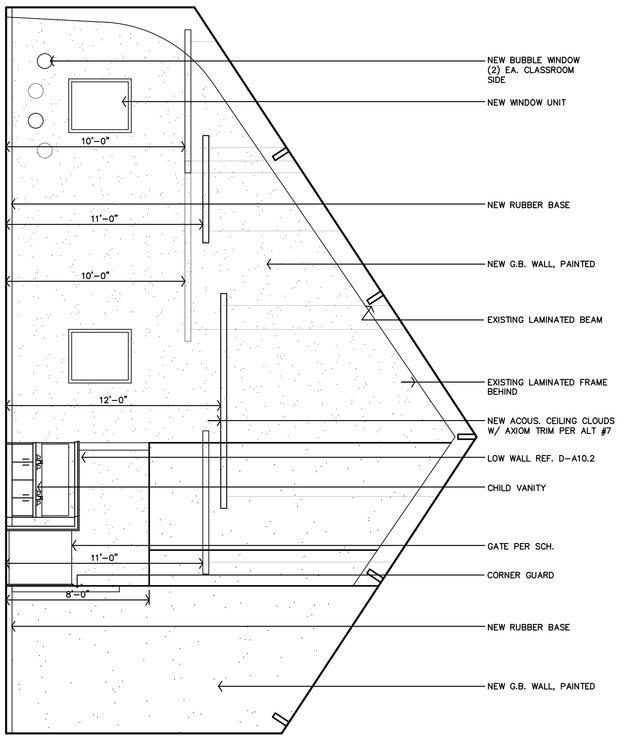
C ALTERNATE #7 TODDLER CLASSROOM #143 INTERIOR ELEVATION
1/4"=1'-0"



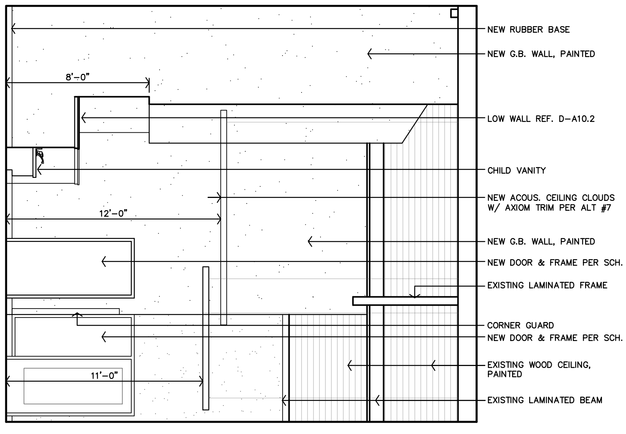
B ALTERNATE #7 TODDLER CLASSROOM #143 INTERIOR ELEVATION
1/4"=1'-0"



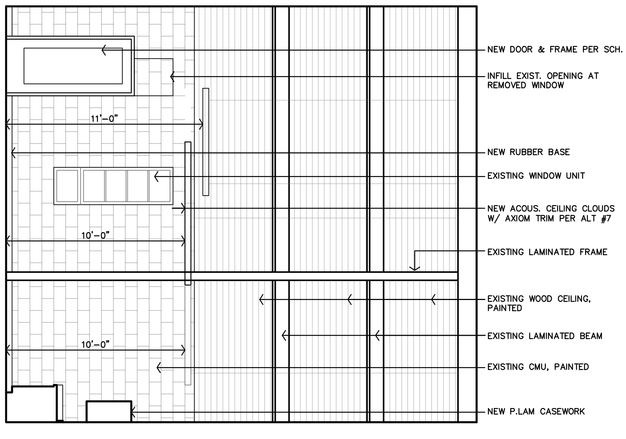
A ALTERNATE #7 TODDLER CLASSROOM #143 INTERIOR ELEVATION
1/4"=1'-0"



F ALTERNATE #7 TODDLER CLASSROOM #156 INTERIOR ELEVATION
1/4"=1'-0"



E ALTERNATE #7 TODDLER CLASSROOM #156 INTERIOR ELEVATION
1/4"=1'-0"



D ALTERNATE #7 TODDLER CLASSROOM #143 INTERIOR ELEVATION
1/4"=1'-0"

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

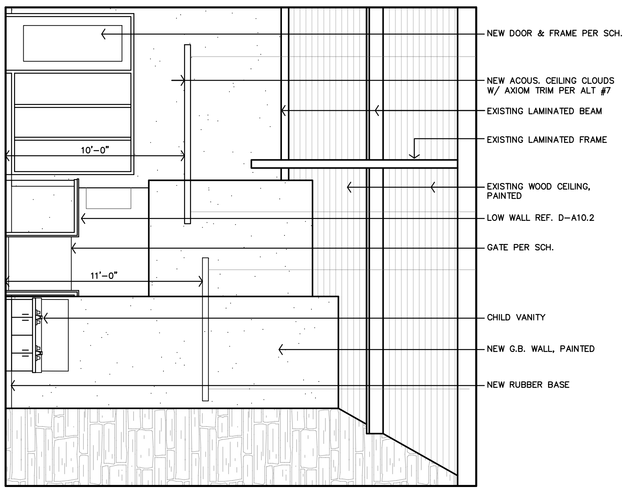
JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.: **A9.9**

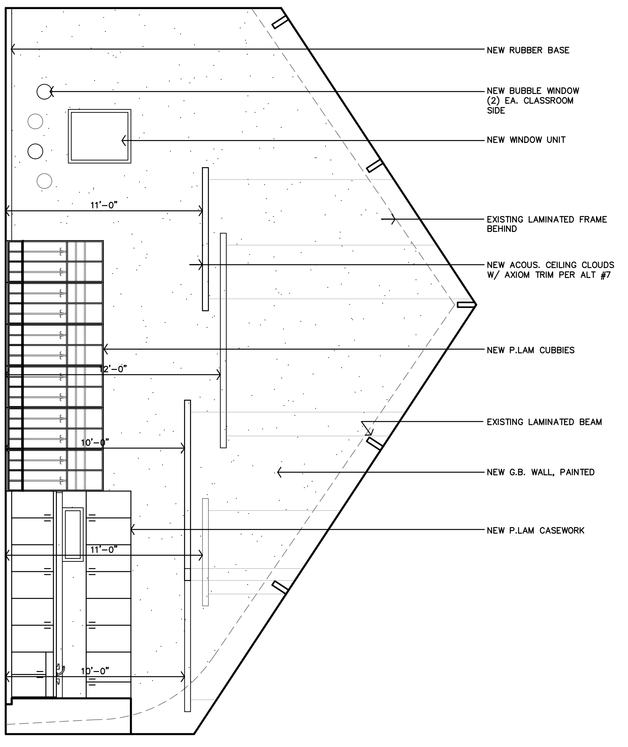
REVISION:

CHARLES A. KELLY 5502 1-21-2024 REGISTERED ARCHITECT

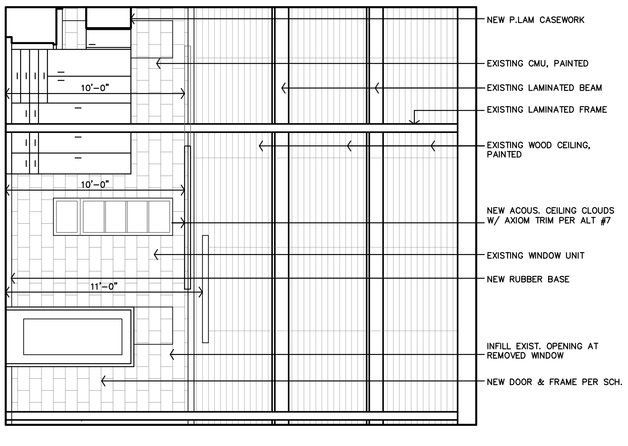
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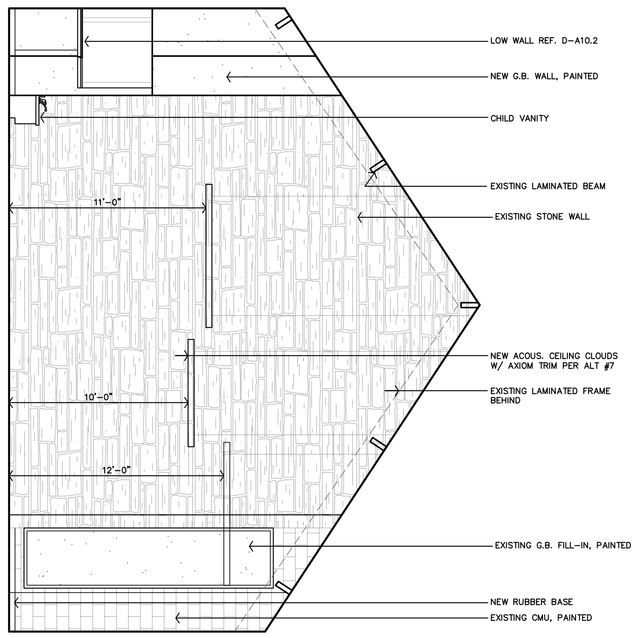
C ALTERNATE #7 PRESCHOOL #158 INTERIOR ELEVATION
1/4"=1'-0"



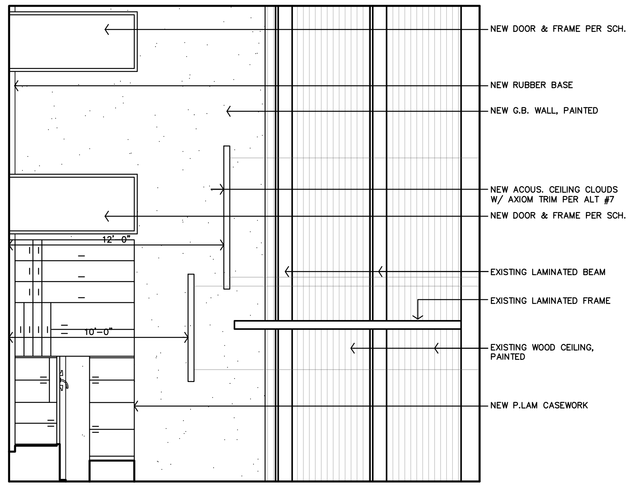
B ALTERNATE #7 TODDLER CLASSROOM #156 INTERIOR ELEVATION
1/4"=1'-0"



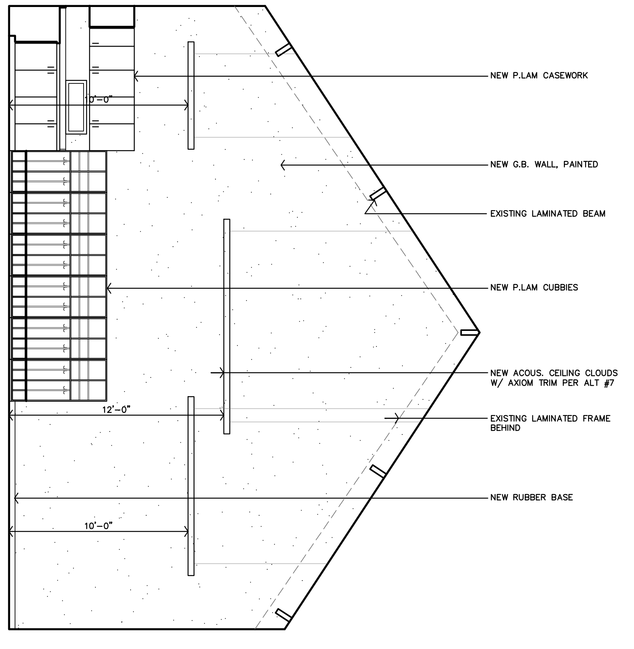
A ALTERNATE #7 TODDLER CLASSROOM #156 INTERIOR ELEVATION
1/4"=1'-0"



F ALTERNATE #7 PRESCHOOL #158 INTERIOR ELEVATION
1/4"=1'-0"



E ALTERNATE #7 PRESCHOOL #158 INTERIOR ELEVATION
1/4"=1'-0"



D ALTERNATE #7 PRESCHOOL #158 INTERIOR ELEVATION
1/4"=1'-0"

DATE:	3-21-2024
JOB:	22-3225 RE
SHEET NO.:	**A9.10**
REVISION:	
SHEET NUMBER	

CHARLES A. KEZER — 5502 — 1-21-2024 — KANSAS REGISTERED ARCHITECT

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

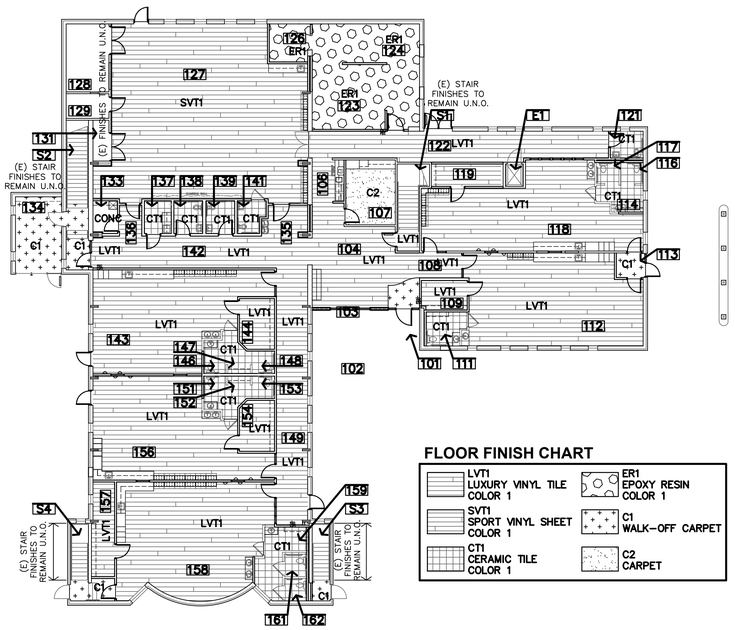
HILLSBORO, **KANSAS**

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
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BASEMENT FINISH SCHEDULE

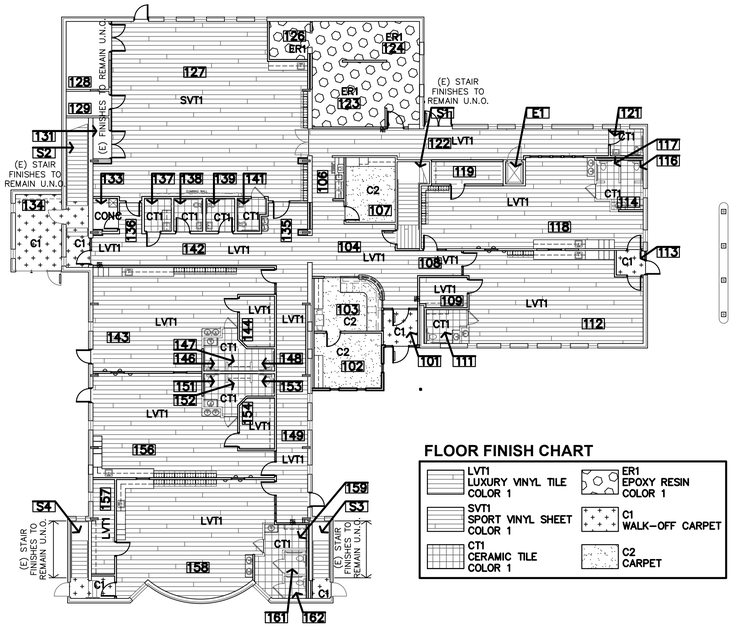
NO.	DESCRIPTION	FLOOR	BASE	WALLS	CEILING REF. SHEET A7.2					REMARKS
		EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	ACOUSTICAL TILE (BASE BID)	ACOUSTICAL TILE (ALT #3)	ACOUSTICAL TILE (ALT #4)	EXPOSED STRUCT.	EXISTING	
B01	STORAGE	X	X	X					●	
B02	OFFICE	X	X	X			●			
B03	OFFICE	X	X	X			●			
B04	OFFICE	X	X	X			●			
B06	MECHANICAL	X	X	X				●		
B07	HALL	X	X	X	●	●				
B08	OFFICE	X	X	X			●			
B09	CLOSET	X	X	X					●	
B11	CLOSET	X	X	X					●	
B12	CLOSET	X	X	X					●	
B13	CLOSET	X	X	X					●	
B14	OFFICE	X	X	X			●			
B16	OFFICE	X	X	X			●			
B17	CLOSET	X	X	X					●	
B18	CLOSET	X	X	X					●	
B19	CLOSET	X	X	X					●	
B21	CLOSET	X	X	X					●	
B22	OFFICE	X	X	X			●			
B23	OFFICE	X	X	X			●			
B24	CLOSET	X	X	X					●	
B25	HALL	X	X	X	●	●				
B26	CLOSET	X	X	X					●	
B27	CLOSET	X	X	X					●	
B28	CLOSET	X	X	X					●	
B29	OFFICE	X	X	X			●			
B31	OFFICE	X	X	X			●			
B32	CLOSET	X	X	X					●	
B33	CLOSET	X	X	X					●	
B34	CLOSET	X	X	X					●	
B36	CLOSET	X	X	X					●	
B37	OFFICE	X	X	X			●			
B38	OFFICE	X	X	X			●			
B39	STORAGE	X	X	X					●	
B40	HALL	X	X	X	●	●			●	PORTION OF CLG TO REMAIN
B41	STORAGE	X	X	X					●	
B42	OFFICE	X	X	X			●			
B43	OFFICE	X	X	X					●	
B44	STORAGE	X	X	X					●	
B45	HALL	X	X	X					●	
B46	STORAGE	X	X	X					●	
B47	OFFICE	X	X	X					●	
B48	OFFICE	X	X	X					●	
B49	OFFICE	X	X	X					●	
B51	KITCHENETTE	X	X	X					●	
B52	WOMEN'S TOILET	X	X	X					●	
B53	MEN'S TOILET	X	X	X					●	
B54	HALL	X	X	X					●	



B ALTERNATE #1 FINISH FLOOR PLAN
1/16"=1'-0"

FLOOR FINISH CHART

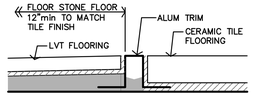
LVT1 LUXURY VINYL TILE COLOR 1	ER1 EPOXY RESIN COLOR 1
SVT1 SPORT VINYL SHEET COLOR 1	C1 WALK-OFF CARPET
CT1 CERAMIC TILE COLOR 1	C2 CARPET



A FINISH FLOOR PLAN
1/16"=1'-0"

FLOOR FINISH CHART

LVT1 LUXURY VINYL TILE COLOR 1	ER1 EPOXY RESIN COLOR 1
SVT1 SPORT VINYL SHEET COLOR 1	C1 WALK-OFF CARPET
CT1 CERAMIC TILE COLOR 1	C2 CARPET



C DETAIL
1"=1"

FIRST FLOOR FINISH SCHEDULE

FINISHES & INSTRUCTIONS

LVT1 LUXURY VINYL TILE, COLOR 1 — C1 WALK-OFF CARPET — CT CERAMIC TILE — P2 EPOXY PAINT
SVT1 SPORTS VINYL SHEET, COLOR 1 — C2 CARPET — RB RUBBER — ST STAINED
SC SEALED CONCRETE — ER1 EPOXY RESIN, COLOR 1 — P1 LATEX PAINT — E EXISTING

NO.	DESCRIPTION	FLOOR								BASE			N.WALL			E.WALL			S.WALL			W.WALL			CEILING REF. SHEET A7.1				REMARKS
		LUXURY VINYL TILE, COLOR 1	SPORTS VINYL SHEET, COLOR 1	CERAMIC TILE	EPOXY RESIN	WALK-OFF CARPET	CARPET	SEALED CONCRETE	EXISTING	SELF COVE RUBBER BASE	WOOD BASE	CERAMIC TILE	5/8" FIRE RATED G.B.	CERAMIC TILE	CMU	5/8" FIRE RATED G.B.	CERAMIC TILE	EXISTING CMU	5/8" FIRE RATED G.B.	CERAMIC TILE	CMU	5/8" FIRE RATED G.B.	CERAMIC TILE WAINSCOT	CMU	5/8" FIRE RATED G.B.	SUSP. ACOUS. TILE	EXPOSED STRUCT.	EXISTING	
101	VESTIBULE					C1				RB			P1			P1			P1			P1				●			
102	OFFICE						C2			RB			P1			P1			P1			P1				●			
103	RECEPTION						C2			RB			P1			P1			P1			P1			P1	●			
104	HALL	LVT1								RB			P1			P1			P1			P1	P1			●			
106	KITCHENETTE	LVT1								RB			P1			P1			P1					P1	P1	●			
107	MEETING						C2			RB			P1			P1			P1			P1				●			
108	HALL	LVT1								RB			P1			P1			P1							●			
109	STORAGE	LVT1								RB			P1			P1			P1			P1				●			
111	CHANGING AREA/TOILET			CT						RB		CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
112	INFANT CLASSROOM	LVT1								RB			P1			P1		P1			P1	P1				●			
113	VESTIBULE					C1				RB			P1					P1	P1							●			
114	CHANGING AREA			CT						RB			P2			P2			P2			P2				●			
116	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
117	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
118	TODDLER CLASSROOM	LVT1								RB			P1			P1		P1			P1				●			
119	STORAGE	LVT1								RB			P1			P1			P1			P1				●			
121	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
122	HALL	LVT1								RB			P1		P1	P1			P1			P1				●			
123	KITCHEN				ER1					RB			P1					P1	P1		P1		P1	P1		●			
124	DISHWASHING				ER1					RB					P1			P1			P1		P1	P1		●			
126	STORAGE				ER1					RB					P1	P1		P1	P1		P1			P1		●			
127	GROSS MOTOR SKILLS		SVT1							RB			P1		P1	P1		P1	P1		P1			P1					5. 6.
128	STORAGE								E	RB					P1	P1		P1			P1			P1		●			
129	STORAGE								E	RB			P1			P1		P1			P1			P1		●			
131	STORAGE								E	RB			P1			P1		P1			P1			P1		●			
132	*NOT USED*																												
133	JANITOR'S CLOSET							SC		RB			P1			P1			P1			P1		P1		●			
134	VESTIBULE					C1				RB					P1			P1			P1		P1	P1		●			
135	HALL	LVT1								RB			P1			P1		P1	P1				P1	CT		●			
136	HALL	LVT1								RB			P1			P1						P1				●			
137	LAUNDRY			CT						RB			P1			P1			P1			P1				●			
138	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
139	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
141	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
142	HALL	LVT1								RB			P1					P1			P1			P1		●			
143	TODDLER CLASSROOM	LVT1								RB			P1			P1			P1					P1		●			7.
144	STORAGE	LVT1								RB			P1			P1			P1			P1				●			
146	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
147	CHANGING AREA			CT						RB			P2			P2			P2			P2				●			
148	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
149	HALL	LVT1								RB	ST		P1			P1		P1	P1							●			1. 4.
151	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
152	CHANGING AREA			CT						RB			P2			P2			P2			P2				●			
153	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
154	STORAGE	LVT1								RB			P1			P1			P1			P1				●			
156	TODDLER CLASSROOM	LVT1								RB			P1			P1			P1					P1		●			7.
157	STORAGE	LVT1								RB			P1			P1			P1					P1		●			
158	PRESCHOOL CLASSROOM	LVT1								RB			P1			P1			P1					P1		●			2. 7.
159	CHANGING AREA			CT						RB			P2			P2			P2			P2				●			
161	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
162	TOILET			CT								CT	P2	CT		P2	CT		P2	CT		P2	CT			●			
S1	STAIR	FLOORING & BASE TO REMAIN U.N.O.											P1			P1			P1			P1							E	
S2	STAIR	FLOORING & BASE TO REMAIN U.N.O.											P1		P1			P1			P1			P1					E	3.
S3	STAIR	FLOORING & BASE TO REMAIN U.N.O.													P1			P1			P1			P1					E	3.
S4	STAIR	FLOORING & BASE TO REMAIN U.N.O.											P1		P1			P1			P1			P1					E	3.
E1	ELEVATOR	NO CHANGES																												

GENERAL NOTES:

A. INSTALL VINYL, RUBBER, OR ALUMINUM TRANSITION STRIP BETWEEN FLOOR MATERIAL OF DIFFERING HEIGHTS, INCLUDING BUT NOT LIMITED TO CONCRETE/VCT TRANSITIONS.
B. ALL GYPSUM BOARD AREAS WHICH ARE ACCESSORIES TO THE ROOM INCLUDING BUT NOT LIMITED TO SOFFITS, BULKHEADS, TRIM, ETC. SHALL BE PAINTED REGARDLESS OF WHETHER IT IS SPECIFICALLY INDICATED PER SCHEDULE.
C. ALL G.B. WALLS & PERMANENT PARTITIONS SHALL RECEIVE RUBBER BASE UNLESS NOTED OTHERWISE.
D. WALL TYPE SHOWN FOR GENERAL INFORMATION ONLY. CONTRACTOR SHALL COORDINATE WALL MATERIAL W/ DRAWINGS AND FIELD CONDITIONS. ALL AREAS INDICATED TO RECEIVE NEW FINISH SHALL RECEIVE COMPLETE FINISH AS SCHEDULED AT ENTIRE ROOM. CONTRACTOR SHALL COORDINATE FINISHES AND ACCENTS WITH DETAILS AND INTERIOR ELEVATIONS.
E. FLOORING CONTRACTOR SHALL VERIFY THAT SUBFLOOR IS LEVEL AND PROPERLY PREPPED PRIOR TO INSTALLATION OF ANY FLOORING MATERIALS.
F. CONTRACTOR SHALL VERIFY THAT FLOORS ARE PREPPED/"FLOORSTONED" FOR LEVEL TRANSITION BETWEEN DIFFERING MATERIALS.
G. ALL CONTROL JOINTS AT EXPOSED CONCRETE FLOORS SHALL RECEIVE SEALANT COMPATIBLE W/ FLOOR SEALER.
H. CONTRACTOR SHALL COORDINATE W/ INTERIOR ELEVATIONS, FLOOR PLANS AND MISCELLANEOUS DETAILS TO VERIFY ALL AESTHETIC ACCENTS AND DETAILS.
I. INSTALL MOISTURE RESISTANT G.B. AT ALL WET WALLS & IN TOILETS SCHEDULED FOR G.B.
J. ALL AREAS WITH NEW WALL TILE INSTALLED SHALL USE A FACTORY EDGE FOR ALL EXPOSED EDGES. FIELD CUT EDGES ARE NOT ACCEPTABLE.

SPECIFIC NOTES:

1. BASE BID; WOOD BASE AT TACK WALL SURFACE REF. PLAN AND SECTION A-A4.2 FOR LOCATION.
2. CONTRACTOR TO CUT FLOORING TIGHT TO STONE FINISH. CLEAR SILICON AT TRANSITION.
3. NEW WALK-OFF CARPET & RUBBER BASE AT EXTERIOR DOOR LANDING.
4. ALTERNATE #1: PAINT EXIST. CMU & INSTALL RUBBER BASE.
5. EXISTING WOOD CEILING TO BE PREPPED & DRY-FALL PAINTED.
6. INSTALL ACOUSTICAL CLOUDS AND ACCENTS PER DETAILS.
7. CEILING CLOUDS AND AXIOM TRIM PER DETAILS.

ALTERNATES

1- OFFICE ADDITION: REMOVE NEW CONSTRUCTION, TACK WALL & ASSOCIATED DEMOLITION.
2- CONCRETE PARKING.
3- REPLACE BASEMENT CEILING TILE ONLY. EXISTING GRID TO REMAIN.. ROOMS: B25, B07 & B40(PORTION)
4- REPLACE BASEMENT CEILING TILE ONLY. EXISTING GRID TO REMAIN. ROOMS: B02, B03, B04, B08, B14, B16, B22, B23, B29, B31, B37, B38 & B42
5- RECEPTION DESK.
6- CONCRETE BASE FOR POURED RUBBER MULCH.
7- CEILING CLOUDS IN CLASSROOMS 143, 156 & 158.
8- CLIMBING WALL

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

CHARLES A. RENZ LICENSED 5502 3-21-2024 KANSAS PROFESSIONAL ARCHITECT

REVISION:

DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

A10.1

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GLAZING SCHEDULE

MARK	INTERIOR	EXTERIOR	THICKNESS 1/4"	THICKNESS 1" INSULATED	TYPE TINTED	TYPE TEMPERED
A1		●		●	●	
A2		●		●	●	●
B1	●		●			
B2	●		●			●

WINDOW SCHEDULE

MARK	WIDTH	HEIGHT	STYLE	QUANTITY	DETAILS
A	3'-0"	5'-0"	ALUMINUM STOREFRONT – FIXED	3	J–A10.3
B	4'-9"	4'-4"	ALUMINUM STOREFRONT – FIXED	1	H–A10.3
C	2'-0"	5'-0"	H.M. – FIXED	5	L–A10.3
D	3'-0"	3'-6"	H.M. – FIXED	4	L–A10.3
E	2'-0"	1'-0"	H.M. – FIXED (ABOVE COUNTER)	2	L–A10.3
F			12.4ø ACRYLIC CLEAR DOME WINDOW	12	SEE NOTE #1
ALTERNATE #1					
A	3'-0"	5'-0"	ALUMINUM STOREFRONT – FIXED	2	J–A10.3

NOTES:
A. CONTRACTOR MUST INSTALL MTL. FLASHINGS & CONT. CAULK FOR WEATHER & WATERTIGHT CONDITIONS
● ALL EXTERIOR WINDOW UNITS.
B. CONTRACTOR MUST INSTALL 1/4" INSUL. OR THERMAL BREAK, CONTINUOUS AROUND WINDOW.
C. CONTRACTOR TO PROVIDE & INSTALL MFR'S COORDINATING PANNING SYSTEM FOR ALUM. WINDOWS.

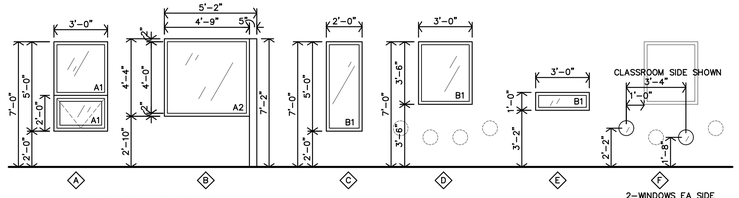
SPECIFIC NOTES:
1. WINDOW 'F' – WINDOW SHALL BE EQUAL TO OLVILY DOG FENCE WINDOW, 12.4" ACRYLIC DOME DOG FENCE PEEK WINDOW. INCLUDE ALL ASSOCIATED TRIM. WINDOWS SHALL BE FACE MOUNTED. COORDINATE MOUNTING LOCATION WITH OWNER. CLASSROOM WALL OPENING OPPOSITE THE WINDOW MOUNTING SHALL BE PAINTED WOOD TRIM WITH PAINTED WOOD VENEER AT INTERIOR JAMB AND 1X2 FIELD CUT EXTERIOR WALL TRIM AT FACE.

PUBLIC DOOR SCHEDULE

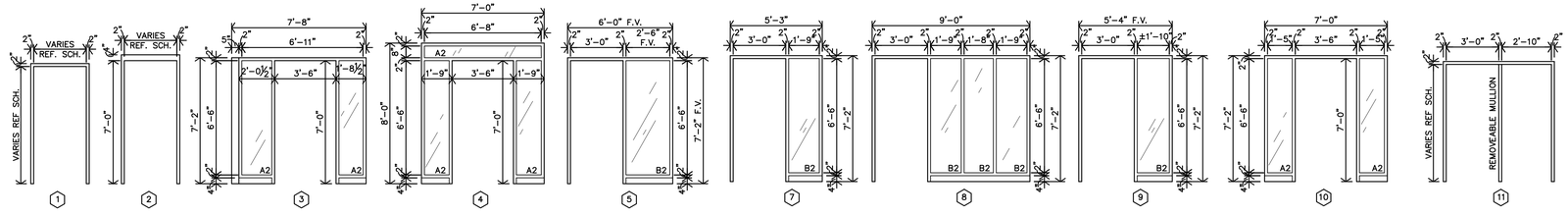
MARK	DOOR SIZE W	DOOR SIZE H	DOOR SIZE T	DOOR MATERIAL ALUMINUM	DOOR MATERIAL HOLLOW METAL	DOOR MATERIAL S.C. WOOD	DOOR TYPE	DOOR FINISH PREFINISHED	DOOR FINISH PAINT	DOOR FINISH STAINED	FRAME MATERIAL ALUMINUM	FRAME MATERIAL HOLLOW METAL	FRAME MATERIAL WOOD	FRAME TYPE	FRAME FINISH PREFINISHED	FRAME FINISH PAINT	FRAME FINISH STAINED	HARDWARE SET	DETAILS	REMARKS
101	3'–6"	7'–0"	1 3/4"	●			A		●			●		4	●			2	F/G/H–A10.3	ACCESS CONTROL
102	3'–6"	7'–0"	1 3/4"	●			A		●			●		3	●			2	H–A10.3	ACCESS CONTROL
103	3'–0"	7'–0"	1 3/4"			●	D			●			●	1			●	7	A–A10.3	
104	3'–0"	7'–0"	1 3/4"			●	B			●			●	1			●	7	A–A10.3	
106	3'–0"	7'–0"	1 3/4"			●	B			●			●	1			●	13	A–A10.3	ACCESS CONTROL
107	3'–0"	7'–0"	1 3/4"			●	A			●			●	7			●	6	A–A10.3 SIM/L–A10.3	
108	3'–0"	7'–0"	1 3/4"			●	A			●			●	7			●	6	A–A10.3/L–A10.3	
109	3'–0"	7'–0"	1 3/4"	●			B		●				●	1			●	9	A–A10.3	
111	3'–0"	3'–6"	1 3/4"			●	C			●								14	C–A10.3	LOW WALL D–A10.3
112	3'–0"	7'–0"	1 3/4"			●	A			●			●	1			●	6	A–A10.3	
113	3'–0"	7'–0"	1 3/4"	●			A		●			●		9	●			1	E–A10.3 SIM/H–A10.3	
114	3'–0"	7'–0"	1 3/4"				A							1				6	A–A10.3	
116	3'–0"	3'–6"	1 3/4"			●	C			●								14	C–A10.3	LOW WALL D–A10.3
117	3'–0"	7'–0"	1 3/4"		●		B		●			●		1		●		9	A–A10.3	
118	3'–0"	7'–0"	1 3/4"			●	B			●			●	1			●	5	A–A10.3	
119	3'–0"/2'–10"	7'–0"	1 3/4"	●			A		●			●		11	●			1	E–A10.3 SIM	ACCESS CONTROL
121	3'–0"	7'–0"	1 3/4"			●	D			●			●	1			●	15	A–A10.3	
122	EXIST. ELEVATOR DOOR & FRAME																	18		
123	EXISTING DOOR & FRAME																	18		
124	EXISTING FRAME																	16		
126	3'–0"	7'–0"	1 3/4"	●			B			●			●	2			●	3	K–A10.3	
127	PR 3'–0"	7'–0"	1 3/4"			●	B			●			●	1			●	10	N–A10.3	
128		*NOT USED*																		
129	3'–0"	7'–0"	1 3/4"			●	B			●			●	1			●	9	N–A10.3	
131	PR 3'–0"	7'–0"	1 3/4"			●	B			●			●	1			●	10	N–A10.3	
132		*NOT USED*																		
133	3'–0"	7'–0"	1 3/4"			●	A			●			●	1			●	8	A–A10.3	
134	3'–0"	7'–0"	1 3/4"			●	B			●			●	1			●	12	A–A10.3	
136	EXISTING DOOR & FRAME																	17		
137	EXISTING DOOR & FRAME																	17		ACCESS CONTROL
138	3'–0"	7'–0"	1 3/4"	●			D		●			●		5			●	4	M/L–A10.3	
139	3'–0"	7'–0"	1 3/4"			●	B			●			●	1			●	11	B–A10.3	
141	3'–0"	7'–0"	1 3/4"			●	B			●			●	1			●	5	B–A10.3	
142	3'–0"	7'–0"	1 3/4"			●	B			●			●	1			●	5	B–A10.3	
143	3'–0"	3'–6"	1 3/4"			●	C			●			●	1			●	14	A–A10.3/B–A10.3 SIM	
144	3'–6"	7'–0"	1 3/4"			●	A			●			●	7			●	8	A–A10.3/L–A10.3	
146	3'–0"	7'–0"	1 3/4"			●	A			●			●	6			●	6	A–A10.3/L–A10.3	
147	3'–0"	7'–0"	1 3/4"		●		B		●				●	1			●	9	A–A10.3	
148	3'–0"	3'–6"	1 3/4"			●	C			●								14	C–A10.3	LOW WALL D–A10.3
149	3'–0"	7'–0"	1 3/4"	●			A		●				●	1			●	1	E–A10.3	
151	3'–0"	7'–0"	1 3/4"	●			A		●				●	1			●	1	E–A10.3	
152	3'–0"	3'–6"	1 3/4"			●	C			●								14	C–A10.3	LOW WALL D–A10.3
153	3'–0"	7'–0"	1 3/4"		●		B		●			●		1		●		9	A–A10.3	
154	3'–0"	7'–0"	1 3/4"			●	A			●			●	6			●	6	A–A10.3/L–A10.3	
156	3'–0"	7'–0"	1 3/4"			●	A			●			●	8			●	6	A–A10.3/L–A10.3	
157	3'–0"	7'–0"	1 3/4"	●			A		●			●		1		●		1	E–A10.3	
158	3'–0"	3'–6"	1 3/4"			●	C			●								14	C–A10.3	LOW WALL D–A10.3
159	3'–0"	3'–6"	1 3/4"			●	C			●								14	C–A10.3	LOW WALL D–A10.3
161	3'–0"	3'–6"	1 3/4"			●	C			●								14	C–A10.3	LOW WALL D–A10.3
162	3'–0"	7'–0"	1 3/4"			●	D			●		●		1			●	6	A–A10.3	
163	3'–0"	7'–0"	1 3/4"	●			B		●			●		1		●		9	A–A10.3	
164	EXISTING DOOR & FRAME																	17		
166	EXISTING DOOR & FRAME																	17		
ALTERNATE #1																				
A101	3'–6"	7'–0"	1 3/4"	●			A		●				●	10		●		2		ACCESS CONTROL

GENERAL NOTES:
1. ALL EXPOSED LINTELS TO BE PAINTED AT INTERIOR AND EXTERIOR.
2. CONTRACTOR MUST INSTALL MTL. FLASHINGS & CONT. CAULK FOR A WEATHERTIGHT SEAL, AT ALL EXTERIOR DOORS & FRAMES.
3. H.M. DOOR & FRAME TO BE PAINTED W/ INDUSTRIAL ENAMEL UNLESS NOTED OTHERWISE. SAND SMOOTH PRIOR TO PAINTING. SPRAY FINISH ONLY. NO BRUSH FINISH.

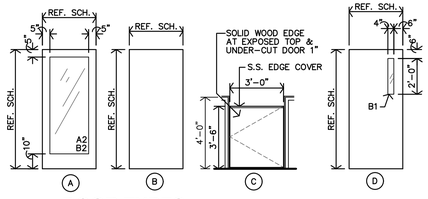
SPECIFIC NOTES:
A. EXTERIOR DOORS: INSTALL NEW SILL & FLASHING, WEATHERSTRIPPING, CONT. CAULK FOR A WEATHERTIGHT SEAL. FIELD VERIFY CONDITIONS



C WINDOW TYPES
1/4"=1'–0"



B DOOR FRAME TYPES
1/4"=1'–0"



A DOOR TYPES
1/4"=1'–0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
HILLSBORO, KANSAS

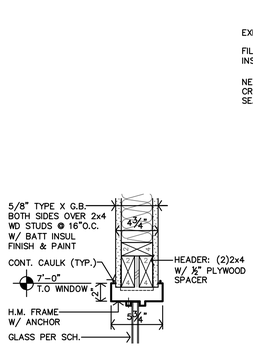
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REVISION:

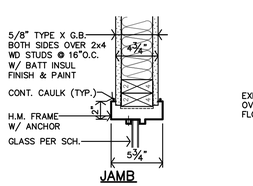
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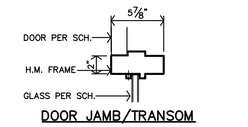
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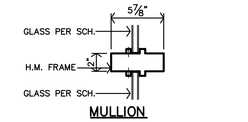
HEAD



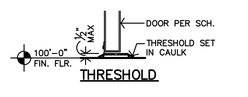
JAMB



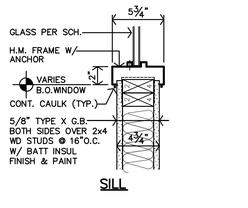
DOOR JAMB/TRANSOM



MULLION

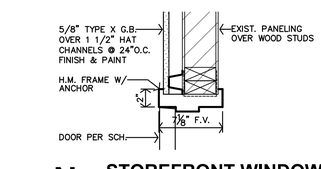


THRESHOLD

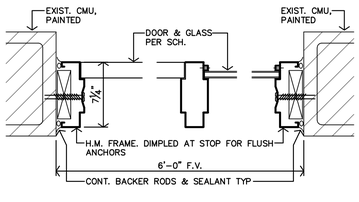


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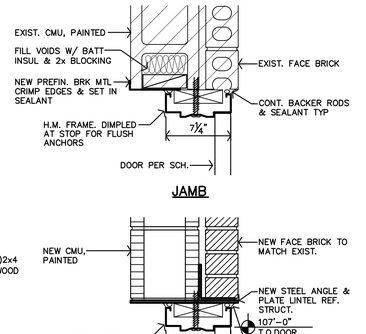
L H.M. DETAILS
1 1/2"=1'-0"



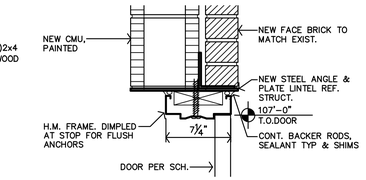
N STOREFRONT WINDOW
1 1/2"=1'-0"



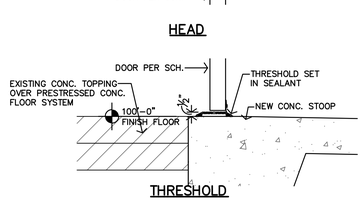
M STOREFRONT WINDOW
1 1/2"=1'-0"



JAMB

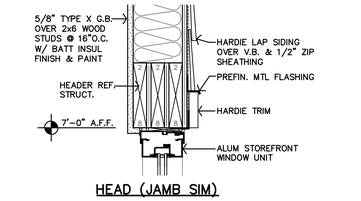


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THRESHOLD

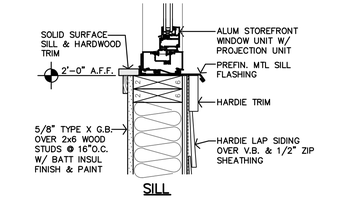
K H.M. DOOR HEAD DTL.
1 1/2"=1'-0" JAMB SIMILAR



HEAD (JAMB SIM)

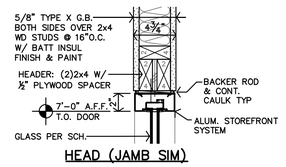


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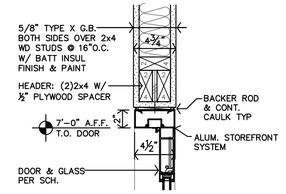


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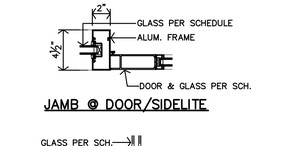
J STOREFRONT WINDOW
1 1/2"=1'-0"



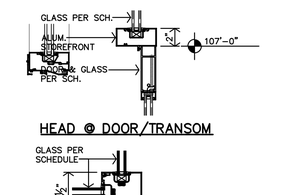
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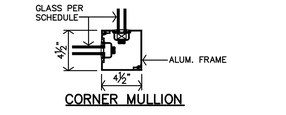
DOOR HEAD (JAMB SIM)



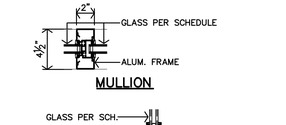
JAMB @ DOOR/SIDELITE



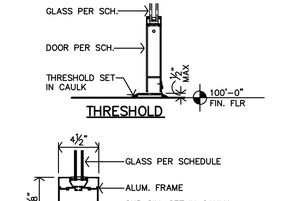
HEAD @ DOOR/TRANSOM



CORNER MULLION

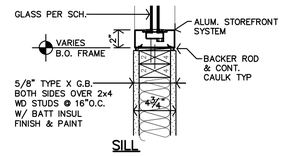


MULLION



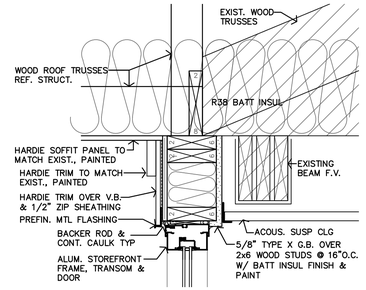
THRESHOLD

SILL

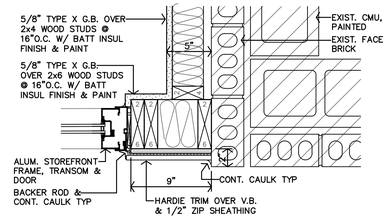


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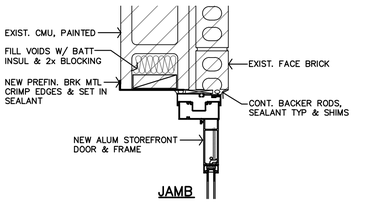
H STOREFRONT DETAILS
1 1/2"=1'-0"



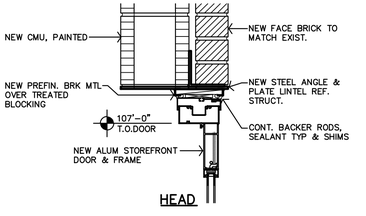
G STOREFRONT DETAILS
1 1/2"=1'-0"



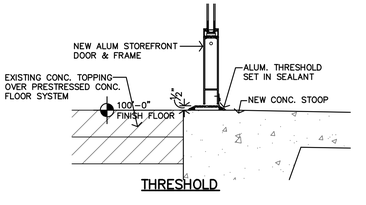
F STOREFRONT DETAILS
1 1/2"=1'-0"



JAMB

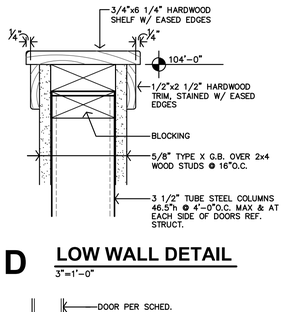


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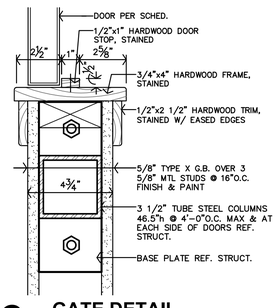


THRESHOLD

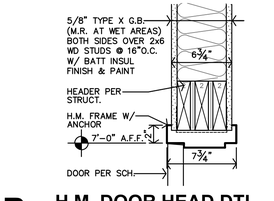
E STOREFRONT DETAILS
1 1/2"=1'-0"



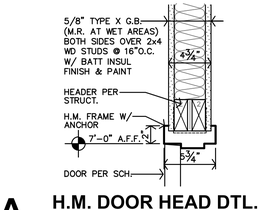
D LOW WALL DETAIL
3"=1'-0"



C GATE DETAIL
3"=1'-0"



B H.M. DOOR HEAD DTL.
1 1/2"=1'-0" JAMB SIMILAR



A H.M. DOOR HEAD DTL.
1 1/2"=1'-0" JAMB SIMILAR

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
HILLSBORO, KANSAS

CHARLES A. RENZ 5502 3-21-2024 KANSAS PROFESSIONAL ARCHITECT

REVISION:	
DATE:	3-21-2024
JOB:	22-3225 RE
SHEET NO.:	

A10.3

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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 2021 International Building Code, as amended by the city of Hillsboro, Kansas.
D. These drawings are for this specific project and no other use is authorized.

2. Structural Design Load Criteria

A. Roof Live= 20psf; Roof Dead= 20psf
B. Snow= Pg= 20psf, Pf= 14psf, I_s= 1.0
   Ce= 1.0, Ct= 1.0, Drift per ASCE/SEI 7-16
C. Lateral Loads:
   1.) Wind V= 110mph, Exposure C
   Occupancy [Risk] Category II, Iw= 1.0
   GCpi= +/-0.18
   Design wind pressures to be used for the design of the exterior component and cladding materials on the designated zones of wall and roof surfaces shall be per section 30.1 adn Table 30.1-2 of ASCE/SEI 7-10. Tabulated pressures shall be multiplied by effective area reduction factors, exposure adjustment factors, and topographic factors where applicable.
C. This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the 2021 International Building Code.

3. Concrete

A. All concrete for foundations (grade beams and footings) shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches of slump.
B. All concrete for interior flatwork shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 540 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.40 gallons of water per 100 pounds of cement and not over 4 inches of slump.
C. All concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.
D. 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.
E. 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.
F. All interior concrete slabs on grade shall be placed over 15 mil, Class A Vapor Barrier per ASTM E1745 with less than 0.01 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.
G. All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current editions.
H. Control joints in dirt formed slab to be as shown on plans. Where not shown, limit controlled areas to not more than 144 square feet, or 12 feet on any side. Slab panel side ratio shall not exceed 1 1/2 to 1.
I. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
J. Construction joints in beams, slabs, and grade beams shall occur at midspan (middle third) unless noted otherwise. Provide 2 x 4 horizontal keys at construction joints for shear transfer.
K. 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 A185.
B. Clear coverage of concrete over reinforcing steel shall be as follows:
   1. Concrete placed against earth: 3"
   2. Formed concrete against earth: 2"
   3. Slabs: 1"
   4. Beams or Columns: 1-1/2"
   5. Other 2"
   All coverage shall be nominal bar diameter minimum.
C. All dowels shall be the same size and spacing as adjoining main bars (splice lap 48 bar diameters or 24" minimum unless noted otherwise).
D. At corners of all walls, beams, and grade beams supply corner bars (minimum 2'-0" in each direction or 48 bar diameters) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 - #4 vertical support bars for corner bars.
E. Bars marked continuous and all vertical steel shall be lapped 48 bar diameters (2'-0" minimum) at splices and embedments, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise.
F. At all holes in concrete walls and slabs, add 2 - #5 bars (opening dimension plus 96 diameters long) at each of four sides and add 2 - #5 x 5'-0" diagonally at each of four corners of hole. Openings in 8" thick walls are reinforced similar, but with 1 - #5 instead of 2 - #5, respectively.
G. Unless otherwise covered on architectural plans or specifications, vertical control joints in concrete wall shall be spaced at a maximum of 20'-0" on center and coordinated with the architect. Every other horizontal wall reinforcing bar shall be discontinuous at control joints except heavy top and bottom bars unless noted otherwise. Provide base seal waterstop style number 712 (by Greenstreak Inc. or approved equal) on dirt face side of wall at all walls below grade.
H. Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet.

5. Structural Steel

A. All structural steel beams and columns shall be ASTM A992, grade 50 steel and all miscellaneous steel shall be ASTM A36 grade steel (except at moment connections where plates shall be ASTM A572, grade 50). Hollow Structural Sections (HSS) shall be ASTM A500, grade C. Fabrication and erection shall be in accordance with AISC 303-05 "Code of Standard Practice for Steel Buildings and Bridges" in the 13th Edition of the AISC Steel Construction Manual.
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.
D. All bolts not otherwise specified shall be 3/4" diameter high strength (ASTM A325-N). All bolts shall be pre-tensioned.
E. All anchor bolts shall be 3/4" diameter, ASTM F1554, Grade 36 unless noted otherwise. Washers of minimum size and thickness for the given anchor diameter in Table 14-2 of the AISC Steel Construction Manual shall be provided at every column anchor bolt. Washers shall have a standard size hole for the anchor bolt if oversized holes are utilized. At building perimeter columns and columns at braced frames washers shall be welded all around to the column base plate with 3/16" fillet weld.

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 contractor shall coordinate an on-site meeting with the post installed anchor manufacturer field representative to educate the construction team on the anchor installation guidelines and requirements.
B. Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ACI 355.2 and ICC-ES AC193. 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 AC01. 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 AC58. 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 AC106 or ICC-ES AC58 as appropriate. All anchors shall be installed per the anchor manufacturer's written instructions with appropriate screen tubes used for adhesives.

7. Concrete Block Masonry

A. Concrete block used in exterior walls or load bearing walls shall meet the requirements of ASTM C90 and have a minimum net compressive strength of 2650 psi and laid up using type N mortar such that f'm equals 2000 psi. Mortar shall be volume proportion based cement lime mortar. Proportioning shall be completed by box measure. Any block in contact with earth shall be normal weight units, laid using type "S" mortar and grouted solid.
B. The contractor shall provide adequate temporary bracing for all masonry walls during construction.
C. All concrete block shall have 9 gage (or larger) horizontal joint reinforcing (ladder or truss) per architectural drawings and specifications (16" maximum vertical spacing).
D. Cavity wall construction shall be reinforced as designed for specific concrete block used. The horizontal joint reinforcing shall be of the ladder or truss style per specification and continuous between brick and block, as prescribed by architectural drawings.
E. Concrete block shall be reinforced as follows in 6" and 8" walls unless noted otherwise:
   1.) Vertical reinforcing shall be a minimum of 1- #4 bar in 6" walls and 1- #5 bar in 8" walls at 4'-0" on center, at each door and window jamb, each side of control joints and in the end void of each length of wall. Lap splices for masonry vertical reinforcing shall be 48 bar diameters or 24" minimum.
   2.) Horizontal reinforcing
      A.) Horizontal joint reinforcing as noted above.
      B.) Continuous horizontal bars shall be included per section or detail in bond beam or optional running bond beam where noted. Where bond beams are continuous at corners of walls, supply corner bars matching size of horizontal bars (minimum 2'-0" or 40 bar diameters in each direction).
F. Grout, where noted above, shall have a minimum design ultimate compressive strength of 2500 psi at 28 day test and 3/8" maximum aggregate size.
G. Non-load bearing concrete block walls shall be isolated from adjacent structural elements with vertical 3/8" control joints and at the top of the wall with 1" air space or compressible material and support per architectural detail.
H. Unless otherwise covered on architectural plans or specifications, vertical control joints in masonry construction shall be 3/8" wide, full height of wall. Joints shall be spaced at a maximum of 24'-0" on center and coordinated with the architect. All horizontal joint reinforcing shall be discontinuous at control joints in masonry. All bond beam horizontal reinforcing shall be continuous through control joints.
I. Lintels over all openings in walls not otherwise covered shall be one 6" x 3-1/2" x 5/16" angle for each 4" of masonry. All exterior lintels to be galvanized.
J. Walls shall be anchored top and bottom by dowels matching wall vertical reinforcing (unless noted otherwise) from floor slab bottom and bracing angles at the top, per details on the drawings.

8. Foundations

A. A soil investigation was not prepared. Soil shall be field verified to safely sustain 1,500psf bearing.
B. Contractor shall provide for dewatering at excavations from either surface water or seepage.
C. All foundation excavations shall be inspected by a qualified soil engineer, approved by the architect and/or structural engineer, prior to placement of steel or concrete. This inspection shall be at the owner's expense.
D. Moisture content in soils beneath building locations should not be allowed to change after footing excavations and after grading for slabs on grade are completed. If subgrade materials become desiccated or softened by water or other conditions, recompact materials to the density and water content specified for engineered fill. Do not place concrete on frozen ground.

9. 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 2012 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.
C. Blocking of stud bearing walls and shear walls shall be solid, matching sheathing joints.
D. Joist blocking and bridging shall be solid wood or cross bridging of either wood or metal straps. Spacing, in any case, shall not exceed 8'-0".
E. Wood members and sheathing shall be fastened with number and size of fasteners not less than that set forth in Table 2304.9.1 of the 2021 International Building Code.
F. Sill plates shall be bolted to concrete walls or steel beams with 1/2" diameter galvanized bolts at 32" on center. Plates in direct contact with concrete or masonry shall be treated lumber.
G. Joist hangers shall have Uniform Building Code approval and shall be equal to Simpson Strong Tie "LUS" for wood application and "LB" for steel weld-on application.
H. Service condition - dry with moisture content at or below 19% in service.
I. 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.
J. Parallel Strand Lumber (PSL) shall have an allowable flexural stress (F_b) of 2,900 psi (reduced by size factor) and an elastic modulus (E) of 2,000,000 psi.
K. Pre-engineered wood trusses shall be designed in accordance with the Truss Plate Institute's national design standard for metal-plate connected wood truss construction (ANSI/TPI-1 latest edition). Trusses shall be designed and manufactured by an authorized member of the Wood Truss Council of America (WTCA). Truss design shall conform to specified codes, allowable stress increases, deflection limitations and other applicable criteria of the governing code.
L. Shop drawings showing complete erection and fabrication details and calculations (including connections) shall be submitted to the project architect / engineer for review prior to fabrication and/or erection. Such drawings shall bear the seal of a professional engineer, registered in the state of the project location. Shop drawings shall also be submitted to the local government controlling agency when requested by that agency.
M. All trusses shall be securely braced both during erection and permanently, as indicated on the approved truss design drawings and in accordance with TPI's commentary and recommendations for handling, installing and bracing metal-plate connected wood trusses (HIB-91, booklet) and the latest edition of ANSI/TPI-1.
N. The truss manufacturer shall supply all hardware and fasteners for joining truss members together and fastening truss members to their supports. Metal connector plates shall be manufactured by a member of the Wood Truss Council of America (WTCA) and shall be 20 gauge minimum. Connector plates shall meet or exceed ASTM A653, grade 33, with ASTM A924 galvanized coating designation G60.
O. Shipment, handling, and erection of trusses shall be by experienced, qualified persons and shall be performed in a manner so as not to endanger life or property. Apparent truss damage shall be reported to the truss manufacturer for evaluation prior to erection. Cutting or alteration of trusses is not permitted.
P. Contractor shall coordinate truss layout for openings and penetrations required by other trades including for plumbing, HVAC, electrical, roof access hatches, chases, etc.
Q. Pre-engineered roof truss design load and deflection criteria are as follows:
   - Top Chord Dead Load= 15psf
   - Top Chord Live Load= 20psf
   - Bottom Chord Dead Load= 10psf
   - Uplift due to wind applied to truss top chord shall be calculated per the governing building code listed in General Note 3 and using the design criteria listed in General Note 5. Superimposed Roof Dead load listed in General Note 5 shall not be included in wind uplift load combinations.
   - Allowable Total Load Deflection= L/300
   - Allowable Live Load Deflection= L/360

10. 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.
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. 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 unreqvired material or submissions without GC approval stamp.
E. 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. Grout mix designs (for CMU)
   4. Deferred Submittal: Wood truss design calculations and detailed erection and fabrication drawings. Standard stick framing shop drawings need not be submitted.

11. Statement of Structural Special Inspections

A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
B. The following inspections and tests are required with the frequency (continuous or periodic) as defined within the referenced section or standard listed below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those inspections.
   1. Shop Fabrication- structural steel per Section 1704.2.5 unless AISC certified shop
   2. Shop Fabrication-pre-engineered wood trusses per Section 1704.2.5 unless TPI certified shop
   3. Steel Construction per Section 1705.2 and the quality assurance requirements of AISC 341 Chapter J (as referenced by AISC 360)
   4. Cold-Formed Steel Deck per Section 1705.2.2 and the quality assurance requirements of SDI QA/QC.
   5. Concrete Construction per Section 1705.3 and Table 1705.3
      a. Reinforcing Steel Placement
      b. Reinforcing Steel Welding
      c. Cast in Place Anchors
      d. Post Installed Anchors
      e. Design Mix Verification
      f. Concrete Sampling and Testing
      g. Concrete Placement
      h. Concrete Curing
      i. Formwork Shape, Location and Dimensions
   6. Verification of Soils per Table 1705.6
   7. Masonry Construction per Section 1705.4 and the quality assurance requirements of TMS 402/ACI530/ASCE5 and TMS602/ASCE6 Level B
C. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.
D. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
E. The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code.

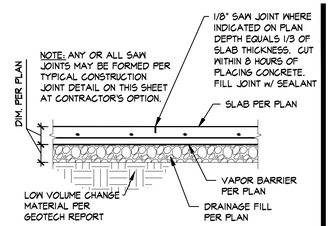
12. Copyright and Disclaimer

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.

NAILING SCHEDULE

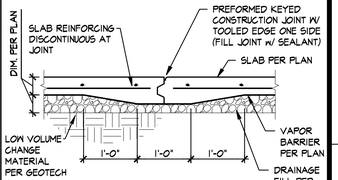
	CONNECTION	ATTACHMENTS	
1	JOIST TO SILL OR GIRDER	3- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
2	BRIDGING TO JOIST	2- 3" x 0.131" NAILS-TOENAIL EACH END	2-8d NAILS-TOENAIL EACH END
3	SOLE PLATE TO JOIST OR BLOCKING & TRUSS TO TOP PL	3" x 0.131" NAILS AT 8"o.c.-TYPICAL FACE NAIL 4-3" x 0.131" NAILS AT 16"o.c.-BRACED WALL PANELS	16d BOX NAILS AT 16"o.c. MAX. FACE NAILING 3-16d BOX NAILS AT 16"o.c. BRACED WALL PANEL
4	TOP PLATE TO STUD	3- 3" x 0.131" NAILS-END NAIL	2-16d NAILS-END NAIL
5	STUD TO SOLE PLATE	4- 3" x 0.131" NAILS-TOENAIL OR 3- 3" x 0.131" NAILS-END NAIL	4-8d NAILS-TOENAIL OR 2-16d NAILS-END NAIL
6	DOUBLE STUDS	3" x 0.131" NAILS AT 8"o.c.-FACE NAIL	16d BOX NAILS AT 24"o.c. MAX. FACE NAIL
7	DOUBLED TOP PLATES	3" x 0.131" NAILS AT 12"o.c.-FACE NAIL	16d BOX NAILS AT 16"o.c. MAX. FACE NAIL
8	DOUBLE TOP PLATE LAPS AND INTERSECTIONS	12-3" x 0.131" NAILS	8-16d NAILS
9	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-3" x 0.131" NAILS -TOENAIL	3-8d NAILS-TOENAIL
10	RIM JOIST TO TOP PLATE	3" x 0.131" NAILS AT 6"o.c.-TOENAIL	10d NAILS AT 6"o.c. MAX.-TOENAIL
11	TOP PLATE LAPS AND INTERSECTIONS	3- 3" x 0.131" NAILS-FACE NAIL	2-16d NAILS-FACE NAIL
12	CONTINUOUS HEADER, TWO PIECES	3" x 0.131" NAILS AT 10"o.c. ALONG EACH EDGE	16d NAILS AT 16"o.c. MAX. ALONG EACH EDGE-TOENAIL
13	CEILING JOISTS TO PLATE	5- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
14	CONTINUOUS HEADER TO STUD	4- 3" x 0.131" NAILS-TOENAIL	4-8d NAILS-TOENAIL
15	CEILING JOISTS, LAPS OVER PARTITIONS	4- 3" x 0.131" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL
16	CEILING JOISTS TO PARALLEL RAFTERS	4- 3" x 0.131" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL
17	RAFTER TO PLATE	3- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
18	1" BRACE TO EACH STUD AND PLATE	2- 3" x 0.131" NAILS-FACE NAIL	2-8d NAILS-FACE NAIL
19	BUILT-UP CORNER AND MULTIPLE STUDS	3" x 0.131" NAILS AT 16"o.c.	16d NAILS AT 24"o.c. MAX.
20	BUILT-UP GIRDER AND BEAMS	3" x 0.131" NAILS AT 24"o.c. FACE NAILED TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES 3- 3" x 0.131" NAILS AT ENDS AND EACH SPLICE	20d NAILS AT 32"o.c. MAX. TOP AND BOTTOM, STAGGERED ON OPPOSITE SIDES. 2-20d NAILS AT ENDS AND EACH SPLICE
21	BUILT-UP LAMINATED VENEER LUMBER BEAMS	3" x 0.131" NAILS AT 6"o.c. TOP AND BOTTOM ALONG EDGE	16d NAILS AT 12"o.c. TOP AND BOTTOM ALONG EDGE
22	2" PLANKING	4- 3" x 0.131" NAILS AT EACH SUPPORT	16d NAILS AT EACH SUPPORT
23	RIM BOARD TO TRUSS	2 - 3" x 0.131" FACE NAILS (IT/IB @ EA TRUSS)	2-10d NAILS - FACE NAILS (IT/IB @ EA TRUSS)
24	BUILT-UP STUD PACK COLUMNS	REFER TO DETAIL 3/S0.02	REFER TO DETAIL 3/S0.02

NOTES:
1.) ALL NAILS SHALL BE AS NOTED UNLESS OTHERWISE SPECIFIED ON STRUCTURAL DRAWINGS OR ALTERNATE PROVIDED BY ENGINEER IN WRITING.
2.) CONDITIONS NOT SPECIFIED SHALL BE IN ACCORDANCE WITH CURRENT INTERNATIONAL BUILDING CODE.
3.) NAILING DESIGNATION:
   4- 3" x 0.131" NAILS
4.) ALL NAILS NOTED AS 8d, 10d, 16d, ETC. SHALL BE COMMON NAILS UNLESS NOTED BOX.
5.) REFER TO SHEARWALL SCHEDULE FOR ADDT'L NAILING REQUIREMENTS



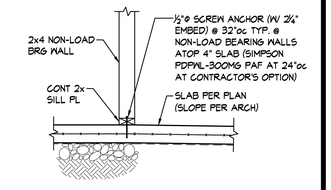
TYPICAL SAW JOINT
NOTED "SJ" ON PLAN

SECTION 1/S0.1 — 3/4" = 1'-0"

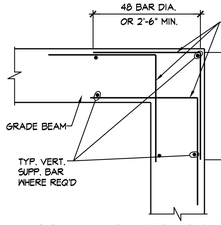


TYPICAL CONSTRUCTION JOINT
NOTED "CJ" ON PLAN

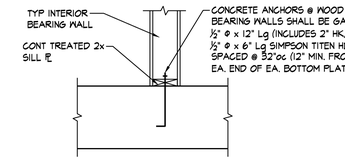
SECTION 2/S0.1 — 3/4" = 1'-0"



SECTION 3/S0.1 — 3/4" = 1'-0"

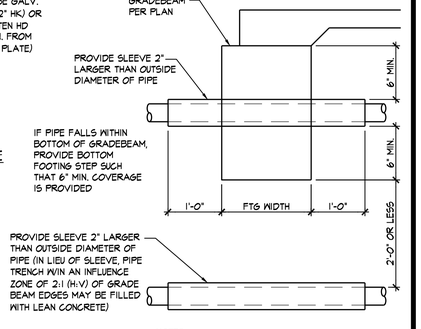


TYP. CORNER BARS 4/S0.1 — 3/4" = 1'-0"



TYPICAL BOTT. PL CONNECTION TO CONCRETE

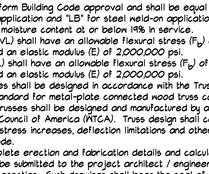
SECTION 5/S0.1 — 3/4" = 1'-0"



NOTES:
1. IF PIPE IS MORE THAN 2'-0" BELOW BOTTOM OF GRADEBEAM, SLEEVE IS NOT REQUIRED
2. PIPES SHALL NOT CROSS BELOW OR THROUGH A SPREAD FOOTING.

TYPICAL GRADEBEAM SLEEVE

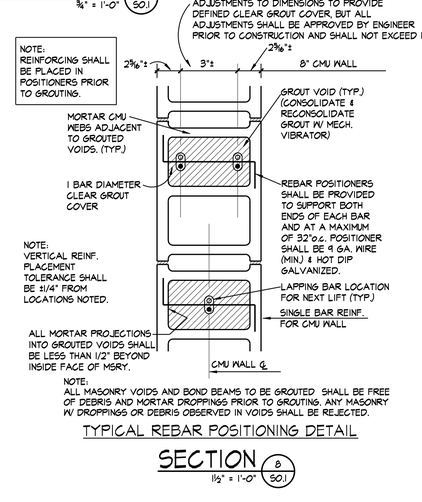
SECTION 6/S0.1 — 3/4" = 1'-0"



TYPICAL LOOSE LINTEL DETAIL

SECTION 7/S0.1 — 3/4" = 1'-0"

LOOSE LINTEL SCHEDULE	
FOR OPENINGS:	GALV. ANGLE
LESS THAN 6'-0"	L5"x3½"x⅜" (LLV)



TYPICAL REBAR POSITIONING DETAIL

SECTION 8/S0.1 — 1½" = 1'-0"

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BUILDING REHABILITATION
HILLSBORO, KANSAS

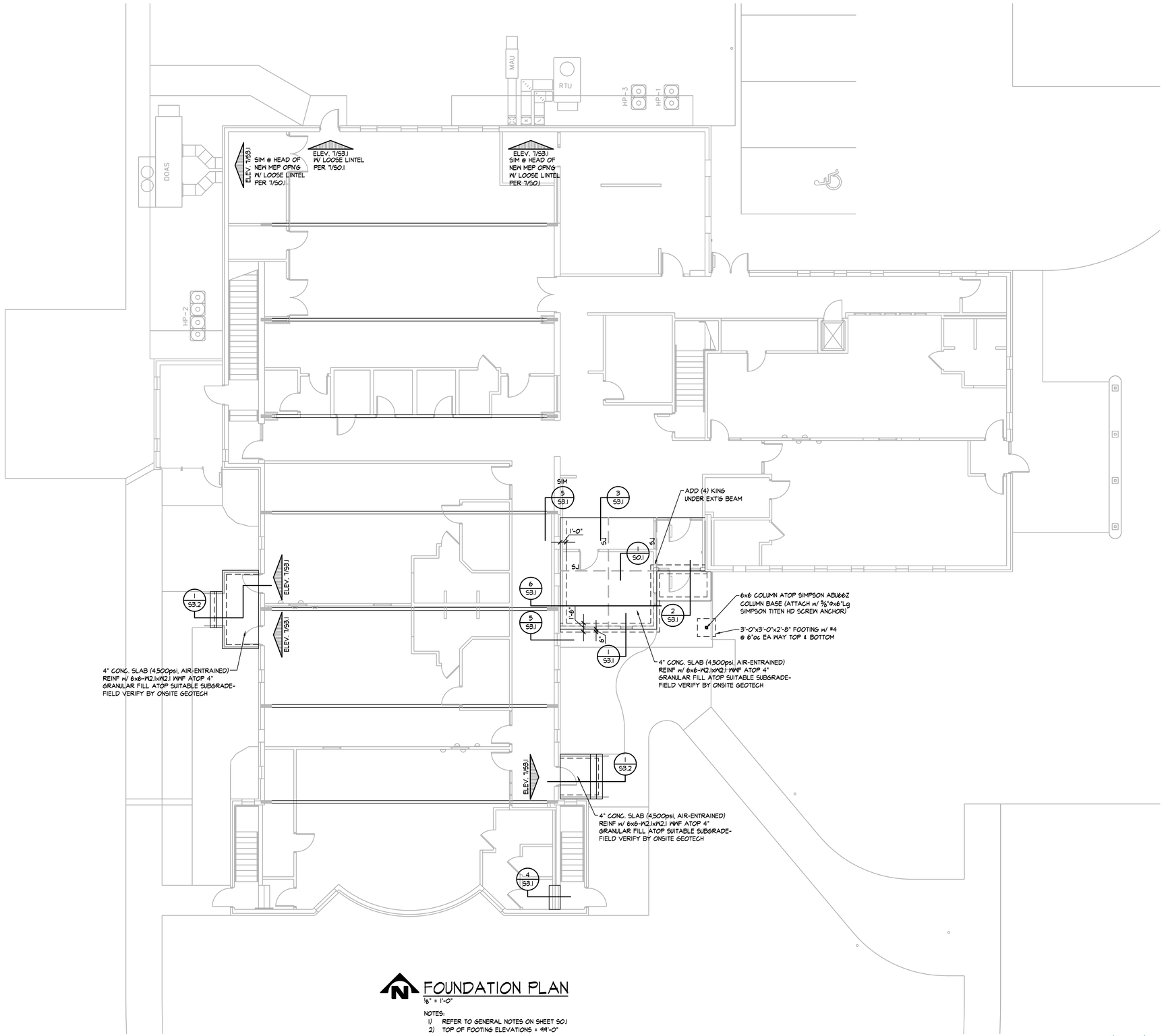
CHRISTOPHER A. BEVERLIN — 23831 — 1-26-24 — KANSAS — PROFESSIONAL ENGINEER

REVISION:	
DATE:	1-26-2024
JOB:	22-3225 RE
SHEET NO.:	

S0.1

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FOUNDATION PLAN

⅛" = 1'-0"

NOTES:
1) REFER TO GENERAL NOTES ON SHEET S0.1
2) TOP OF FOOTING ELEVATIONS = 99'-0"

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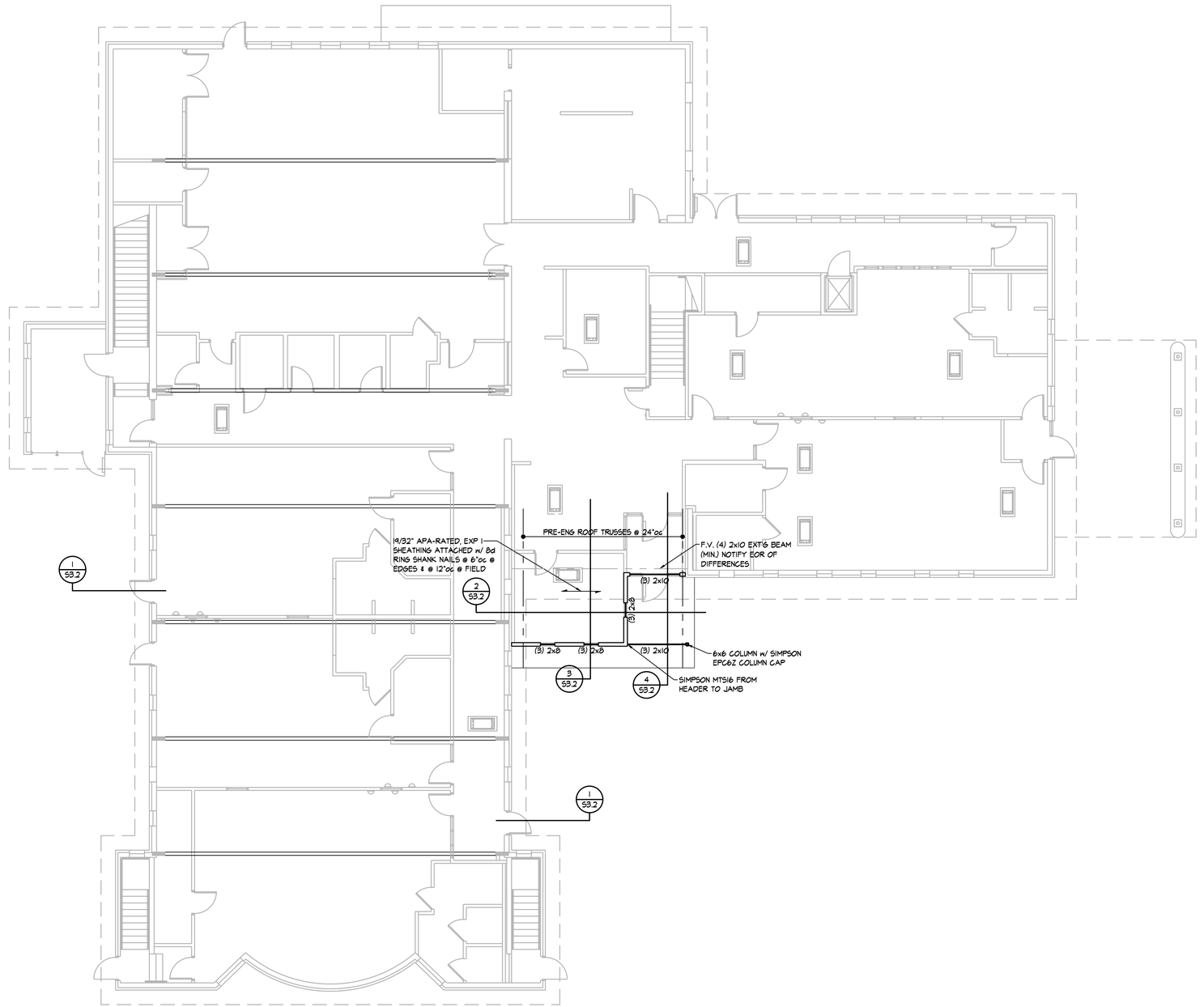
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FRAMING PLAN

1/8" = 1'-0"

NOTES:

1) REFER TO GENERAL NOTES ON SHEET S0.1
2) ALL WOOD HEADERS TO HAVE 2 JACK & 2 KING JAMB STUDS

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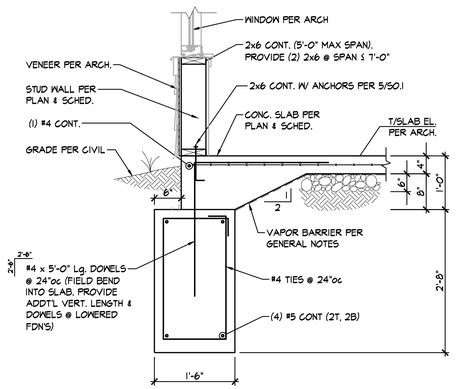
REVISION:

DATE: 1-26-2024
JOB: 22-3225 RE
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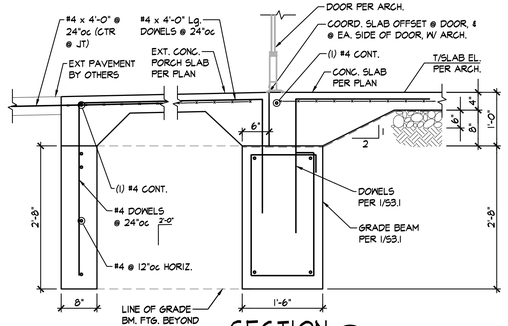
S2.2

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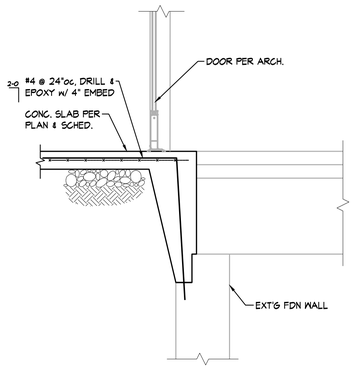
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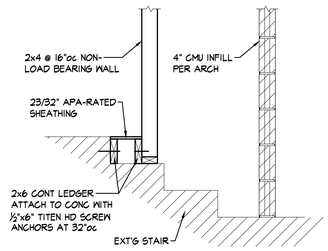
SECTION 1 — ¾" = 1'-0" — 53.1



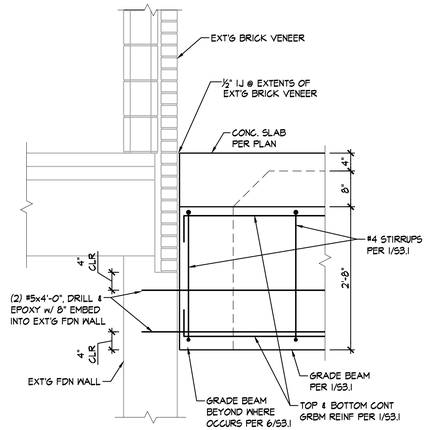
SECTION 2 — ¾" = 1'-0" — 53.1



SECTION 3 — ¾" = 1'-0" — 53.1



SECTION 4 — ¾" = 1'-0" — 53.1



SECTION 5 — ¾" = 1'-0" — 53.1

SECTION 6 — ¾" = 1'-0" — 53.1

ELEVATION 7 — ¾" = 1'-0" — 53.1

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HILLSBORO, KANSAS

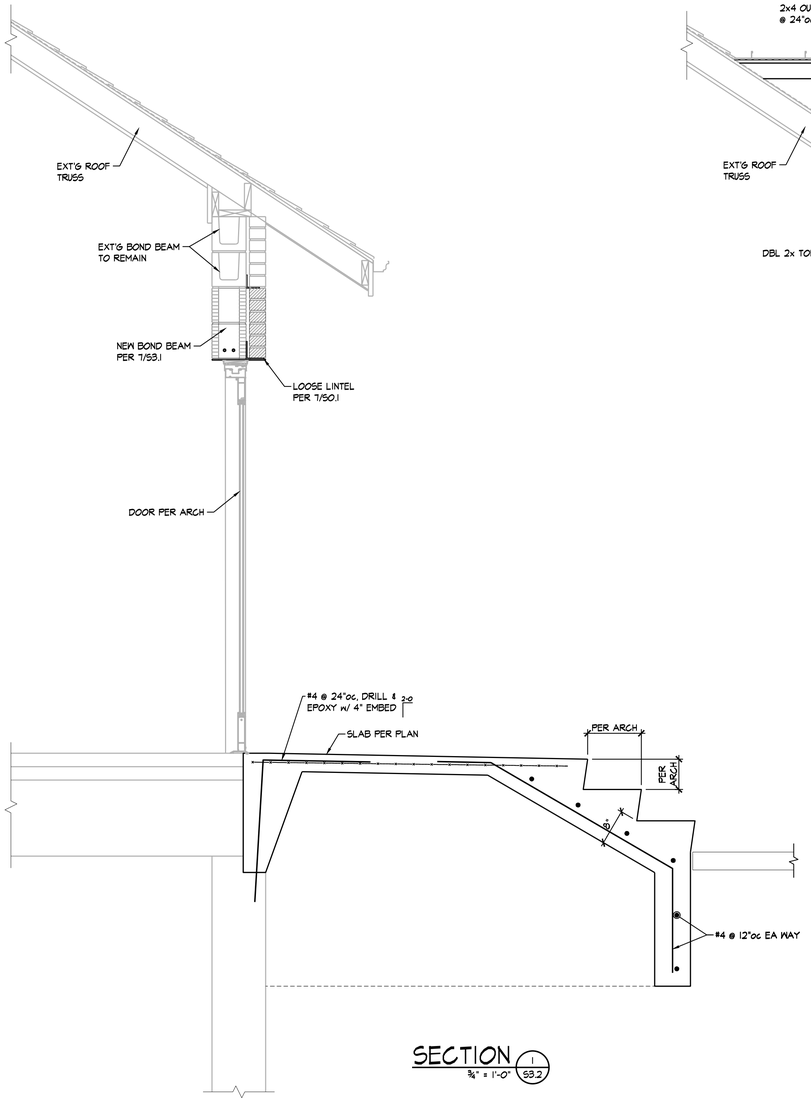
CHRISTOPHER A. BEVERLIN — 23831 — 1.26.24 — KANSAS — PROFESSIONAL ENGINEER

REVISION:
DATE: 1–26–2024
JOB: 22-3225 RE
SHEET NO.:

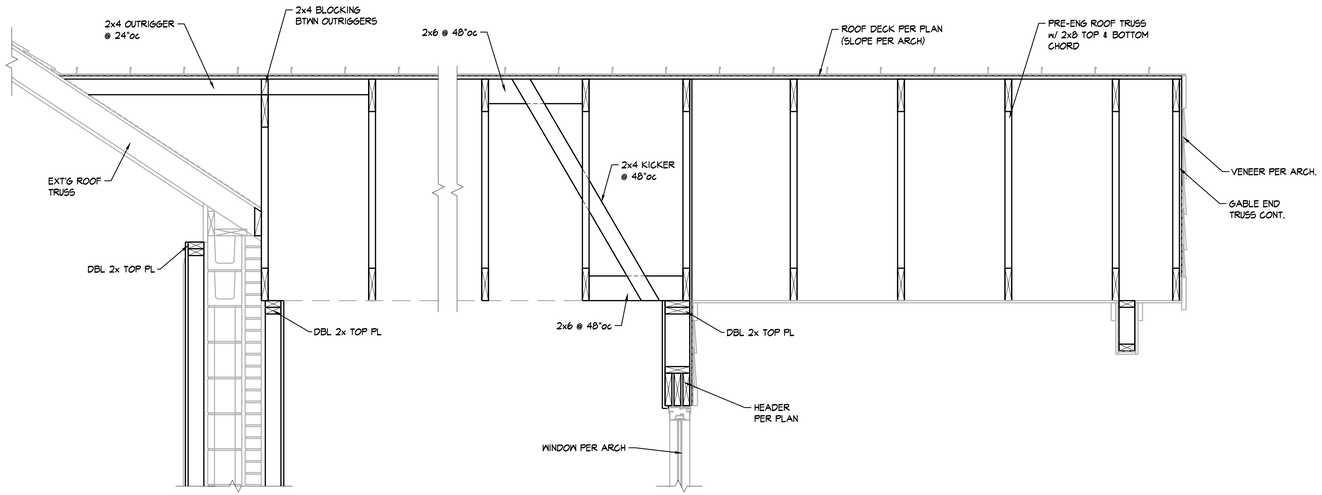
S3.1

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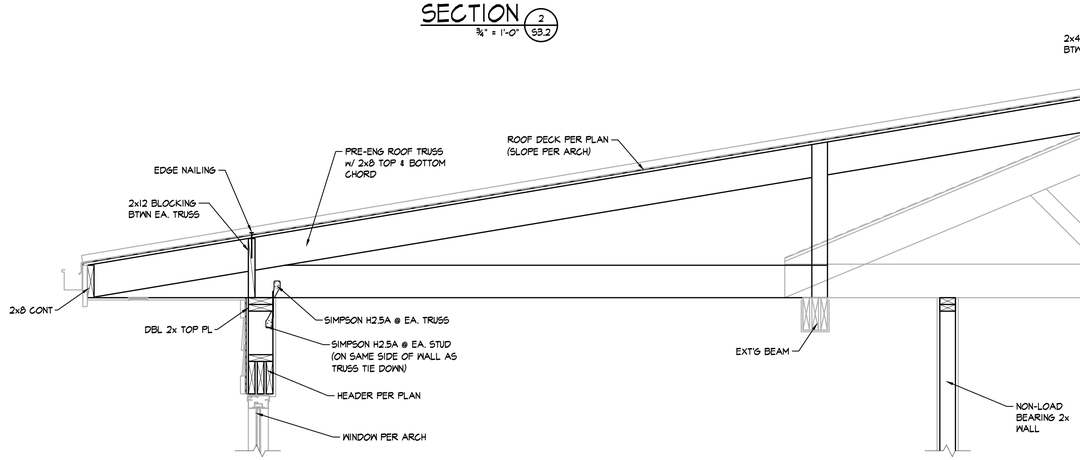
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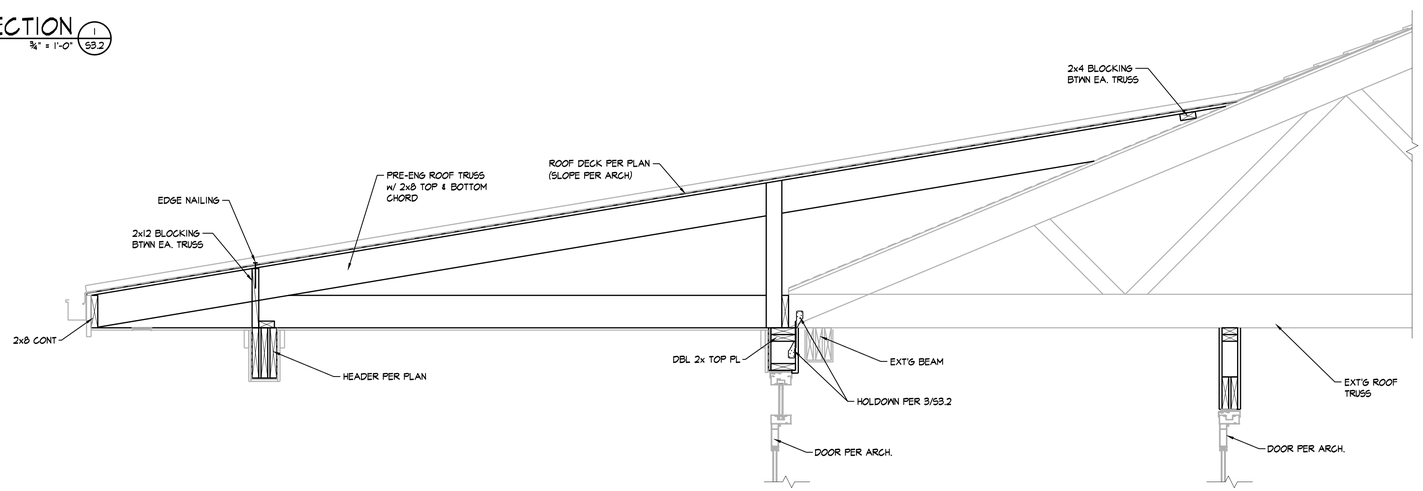
SECTION 1 / S3.2
3/4" = 1'-0"



SECTION 2 / S3.2
3/4" = 1'-0"



SECTION 3 / S3.2
3/4" = 1'-0"



SECTION 4 / S3.2
3/4" = 1'-0"

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S3.2

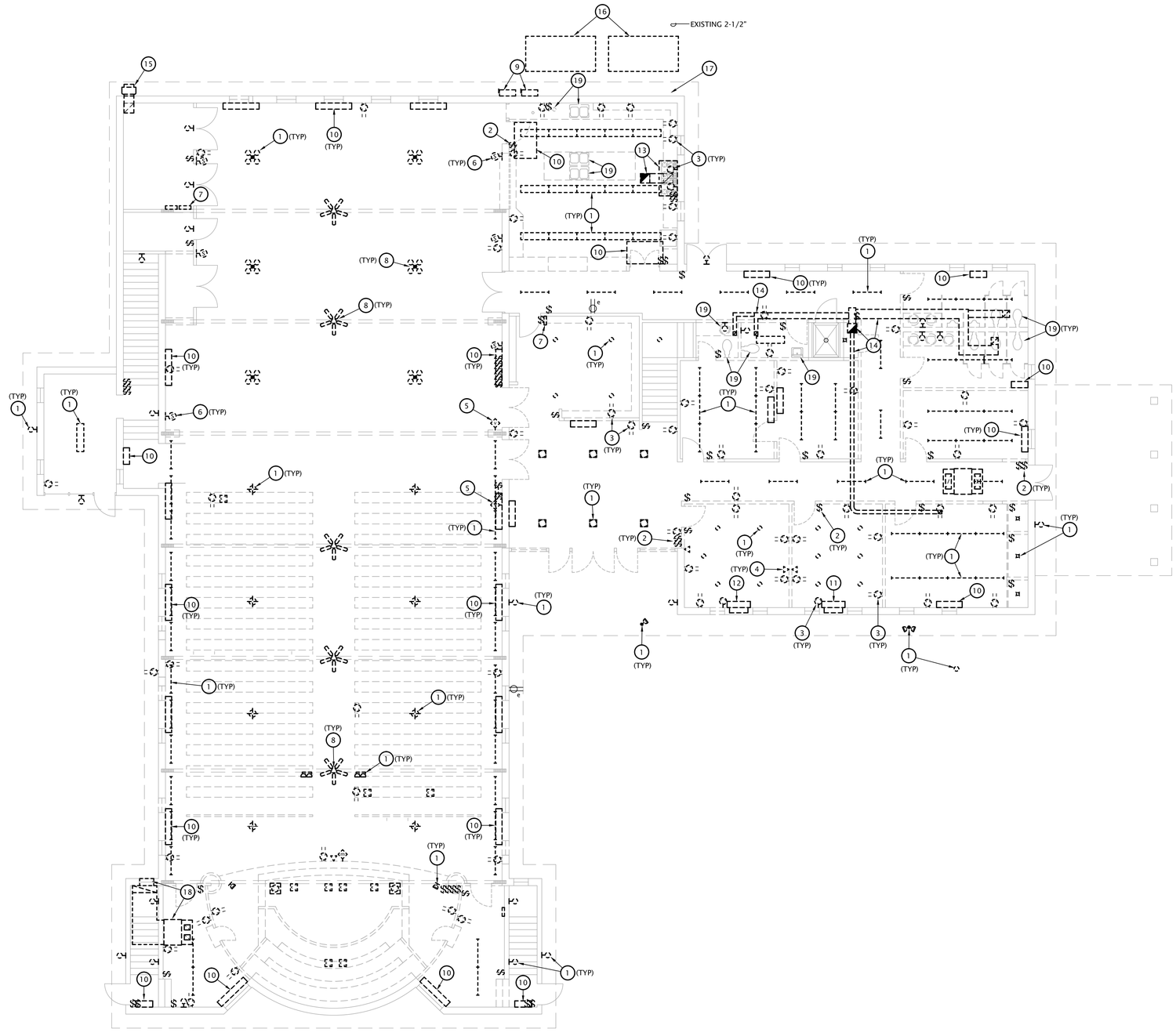
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LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056

March 2024



1 FIRST FLOOR M/E DEMOLITION PLAN

1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. REMOVE ALL MECHANICAL AND ELECTRICAL INSTALLATION FROM PROJECT AREA, UNLESS REQUIRED FOR NEW WORK OR EXISTING INSTALLATION NOT AFFECTED BY REMODEL. COORDINATE WITH OWNER AND G.C.
2. SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK SHALL BE RESTORED UPON COMPLETION OF THIS WORK TO FULLY OPERATIONAL CONDITION.
3. NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED.
4. DELIVER DEMOLISHED EQUIPMENT, WIRING, ETC. TO OWNER OR DISPOSE OF, AS DIRECTED BY OWNER.
5. FIELD VERIFY EXACT LOCATION OF ALL EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT INDICATED ON DRAWINGS.
6. ALL ITEMS TO BE RE-USED OR RELOCATED SHALL BE CLEANED, REPAIRED, AND RESTORED TO LIKE NEW CONDITION PRIOR TO RE-USE.

GENERAL MECHANICAL DEMOLITION NOTES

1. 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.
2. WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB.
3. ALL DUCTWORK TAKEN OUT OF SERVICE SHALL BE REMOVED.
4. 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 EQUIPMENT WITH THE MECHANICAL CONTRACTOR. DISCONNECT AND REMOVE ELECTRICAL POWER AND CONTROL CIRCUITS FOR EQUIPMENT BEING REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH DEMOLISHED MECHANICAL EQUIPMENT (DISCONNECT SWITCHES, MOTOR STARTERS, RELAYS, ETC).

(#) M/E DEMOLITION NOTES BY SYMBOL

1. REMOVE LIGHT FIXTURE AND ASSOCIATED CIRCUITRY.
2. REMOVE SNAP SWITCH AND ASSOCIATED CIRCUITRY.
3. REMOVE RECEPTACLE AND ASSOCIATED CIRCUITRY.
4. REMOVE COMMUNICATIONS OUTLET AND ASSOCIATED CABLING.
5. REMOVE AUDIO SYSTEM VOLUME CONTROL STATION AND ASSOCIATED CABLING.
6. REMOVE AUDIO SYSTEM SPEAKER AND ASSOCIATED CABLING.
7. REMOVE PANELBOARD, FEEDER, AND ALL ASSOCIATED BRANCH CIRCUITS.
8. REMOVE CEILING FAN AND ASSOCIATED CIRCUITRY.
9. REMOVE SERVICE DISCONNECT SWITCHES AND ASSOCIATED SERVICE LATERALS AND DOWNSTREAM FEEDERS.
10. REMOVE ALL EXISTING FAN COIL UNITS AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION.
11. REMOVE EXISTING PTAC AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION. COORDINATE PATCHING OF EXTERIOR WALL WITH G.C.
12. REMOVE EXISTING UNIT VENTILATOR AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION. COORDINATE PATCHING OF EXTERIOR WALL WITH G.C.
13. REMOVE EXISTING KITCHEN EXHAUST HOOD AND FAN AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION. COORDINATE PATCHING OF ROOF WITH G.C.
14. REMOVE EXISTING EXHAUST FAN AND ALL ASSOCIATED EXHAUST DUCT AND ELECTRICAL INSTALLATION. COORDINATE PATCHING OF ROOF AND FLOOR WITH G.C.
15. REMOVE EXISTING WALL MOUNTED EXHAUST FAN AND ALL ASSOCIATED DUCTWORK AND ELECTRICAL INSTALLATION. COORDINATE PATCHING OF WALL AND FLOOR WITH G.C.
16. REMOVE EXISTING CONDENSING UNITS AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION.
17. EXISTING GAS SERVICE TO REMAIN. SEE NEW WORK DRAWINGS AND BASEMENT DEMO PLAN FOR ADDITIONAL INFO.
18. REMOVE EXISTING AIR HANDLING UNIT AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION. COORDINATE PATCHING OF EXTERIOR WALL WITH G.C.
19. REMOVE ALL PLUMBING FIXTURES AND ASSOCIATED INSTALLATION THROUGHOUT FIRST FLOOR.

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

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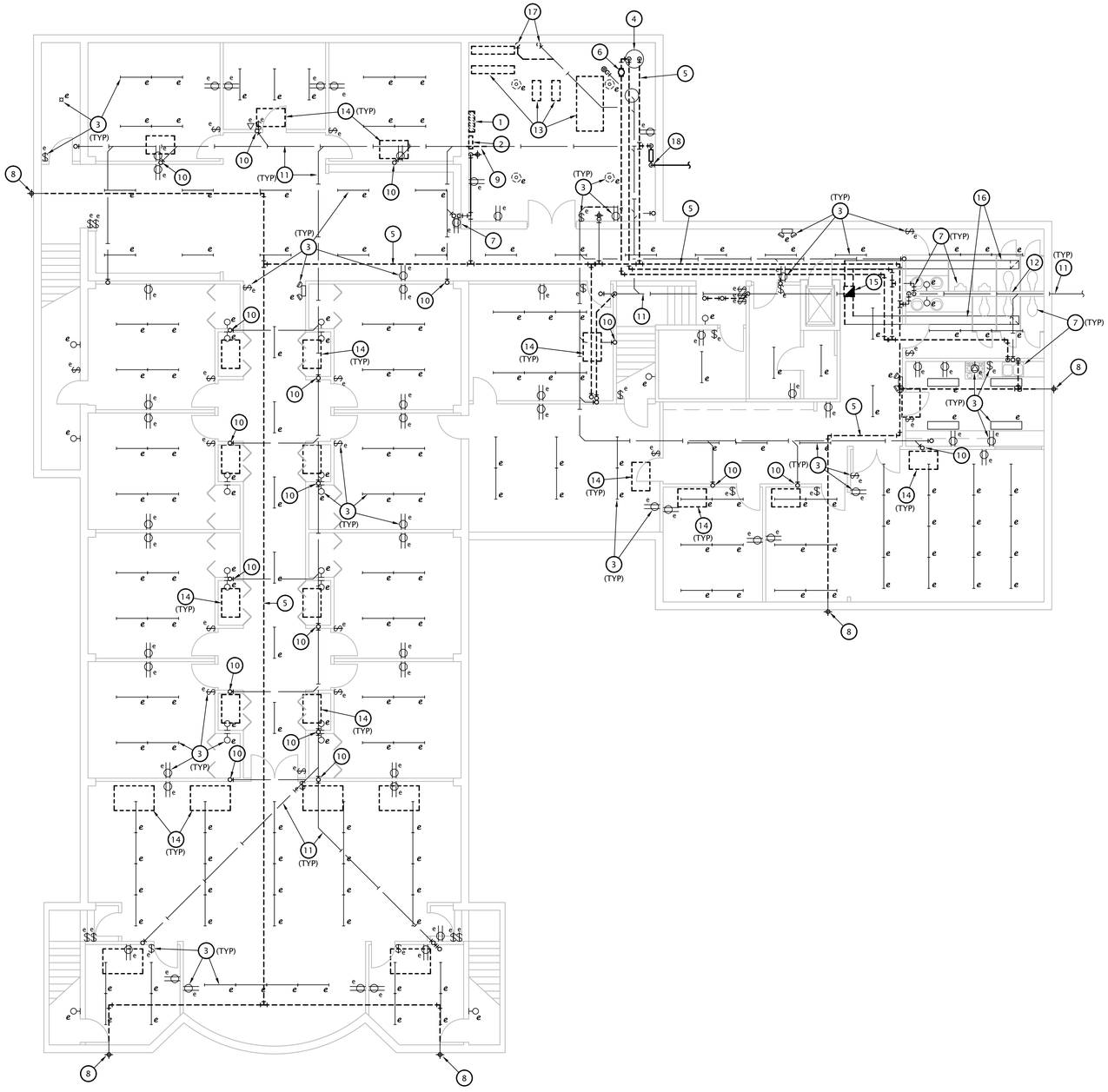
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MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056

March 2024



1 BASEMENT M/E DEMOLITION PLAN
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. REMOVE ALL MECHANICAL AND ELECTRICAL INSTALLATION FROM PROJECT AREA, UNLESS REQUIRED FOR NEW WORK OR EXISTING INSTALLATION NOT AFFECTED BY REMODEL. COORDINATE WITH OWNER AND G.C.
2. SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK SHALL BE RESTORED UPON COMPLETION OF THIS WORK TO FULLY OPERATIONAL CONDITION.
3. NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED.
4. DELIVER DEMOLISHED EQUIPMENT, WIRING, ETC. TO OWNER OR DISPOSE OF, AS DIRECTED BY OWNER.
5. FIELD VERIFY EXACT LOCATION OF ALL EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT INDICATED ON DRAWINGS.
6. ALL ITEMS TO BE RE-USED OR RELOCATED SHALL BE CLEANED, REPAIRED, AND RESTORED TO LIKE NEW CONDITION PRIOR TO RE-USE.

GENERAL MECHANICAL DEMOLITION NOTES

1. 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.
2. WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB.
3. ALL DUCTWORK TAKEN OUT OF SERVICE SHALL BE REMOVED.
4. 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 EQUIPMENT WITH THE MECHANICAL CONTRACTOR. DISCONNECT AND REMOVE ELECTRICAL POWER AND CONTROL CIRCUITS FOR EQUIPMENT BEING REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH DEMOLISHED MECHANICAL EQUIPMENT (DISCONNECT SWITCHES, MOTOR STARTERS, RELAYS, ETC).

(#) M/E DEMOLITION NOTES BY SYMBOL

1. REMOVE MAIN DISTRIBUTION PANEL AND ASSOCIATED FEEDERS
2. REMOVE BRANCH CIRCUIT PANELBOARD AND ALL ASSOCIATED BRANCH CIRCUITS TAKEN OUT OF SERVICE. RETAIN BRANCH CIRCUITS FOR LIGHTS, RECEPTACLES, ETC. TO REMAIN AND RECONNECT TO NEW PANEL AS PART OF NEW WORK.
3. LIGHTS, SWITCHES AND RECEPTACLES NOTED WITH "e" ARE EXISTING TO REMAIN.
4. EXISTING DOMESTIC WATER HEATER TO REMAIN.
5. REMOVE ALL EXISTING DOMESTIC WATER PIPING EXCEPT WHERE IN WALLS SERVING EXISTING FIXTURES TO REMAIN. SEE NEW WORK PLANS FOR ADDITIONAL INFO.
6. REMOVE EXISTING DOMESTIC HOT WATER CIRCULATION PUMP AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION.
7. EXISTING PLUMBING FIXTURES IN BASEMENT AND ASSOCIATED PIPING IN WALLS TO REMAIN. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
8. EXISTING WALL HYDRANT TO REMAIN. SEE NEW WORK PLANS FOR ADDITIONAL INFO.
9. REMOVE EXISTING RUNNING TRAP AND EXTEND 2" DRAIN. SEE NEW WORK PLANS FOR ADDITIONAL INFO.
10. REMOVE EXISTING 1" CONDENSATE RISER IN WALL AND REPLACE WITH 2" DRAIN. SEE NEW WORK PLANS FOR ADDITIONAL INFO.
11. EXISTING DRAIN PIPING BELOW SLAB TO REMAIN.
12. EXISTING WASTE AND VENT PIPING SERVING BASEMENT FIXTURES TO REMAIN. RE-ROUTE EXISTING VENT PIPING AS REQUIRED FOR NEW WORK. SEE NEW WORK PLANS FOR ADDITIONAL INFO.
13. REMOVE EXISTING HYDRONIC HVAC SYSTEM INCLUDING ALL EVAPORATORS, BOILERS, PUMPS, EXPANSION TANKS, AIR SEPARATORS, ASSOCIATED CONTROLS, ALL ASSOCIATED ELECTRICAL INSTALLATION, AND ALL HYDRONIC PIPING.
14. REMOVE EXISTING FAN COIL UNITS AND ALL ASSOCIATED MECHANICAL AND ELECTRICAL INSTALLATION.
15. REMOVE EXISTING EXHAUST DUCT UP TO FAN ON ROOF.
16. EXISTING EXHAUST DUCT SERVING BASEMENT BATHROOMS TO REMAIN. SEE NEW WORK PLANS FOR ADDITIONAL INFO.
17. REMOVE WASTE PIPING TO FIXTURES BEING REMOVED ABOVE, TYPICAL.
18. EXISTING WATER SERVICE AND METER TO BE REMOVED. COORDINATE REQUIREMENTS WITH CITY OF HILLSBORO. SEE NEW WORK PLANS AND ARCHITECTURAL SITE PLAN FOR INFORMATION ON NEW WATER SERVICE.

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

JEFF LEWIS SMITH
14654
21 Mar 2024
KANSAS
PROFESSIONAL ENGINEER

REVISION:

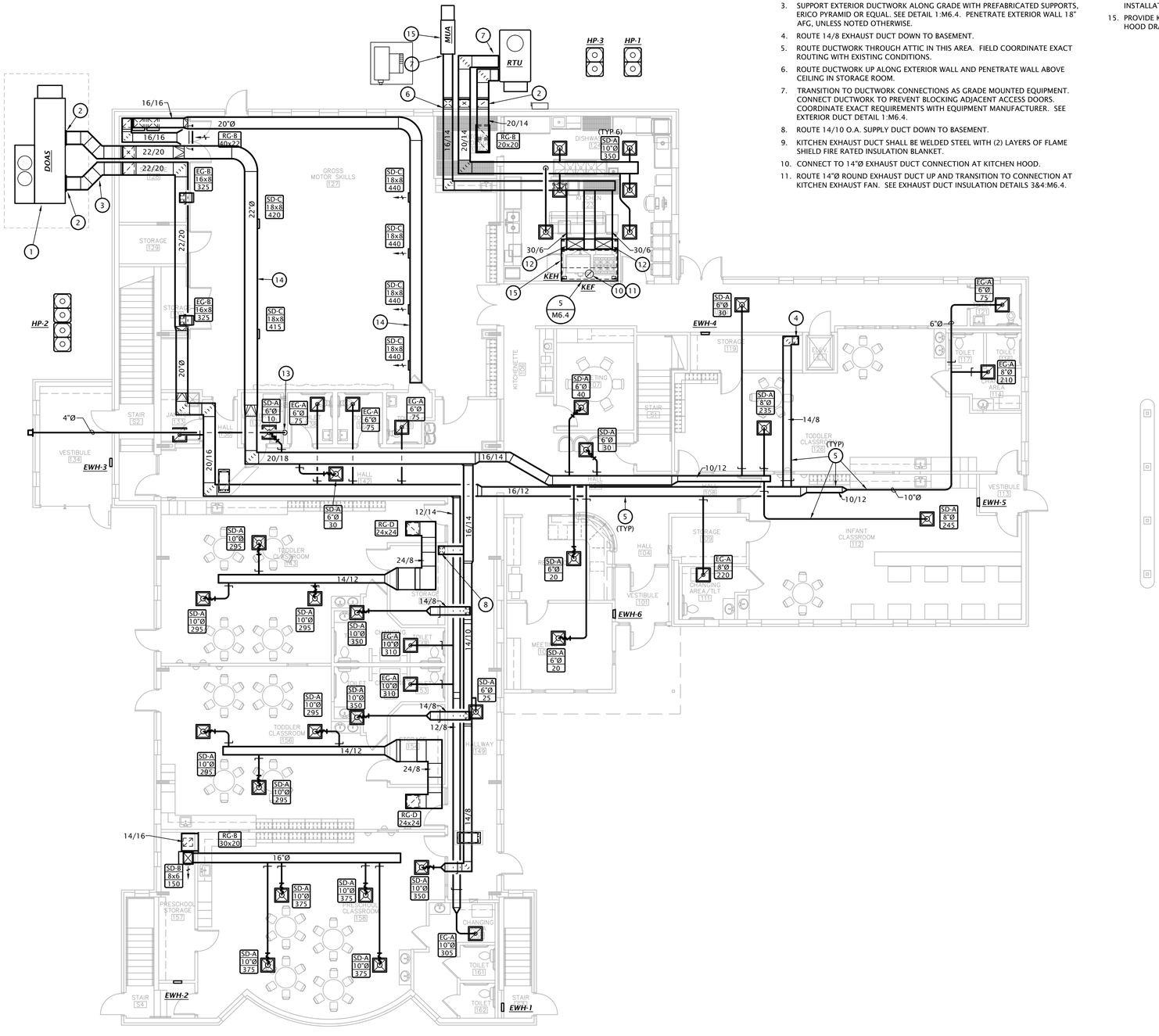
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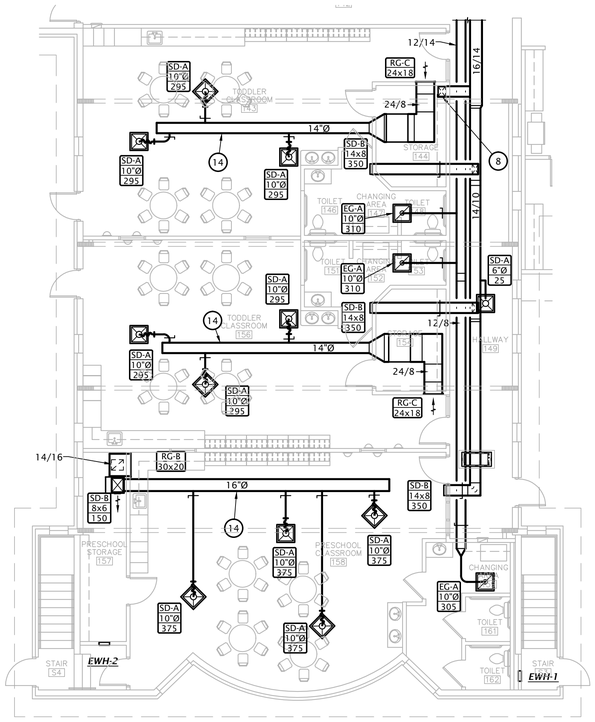
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HVAC PLAN NOTES BY SYMBOL

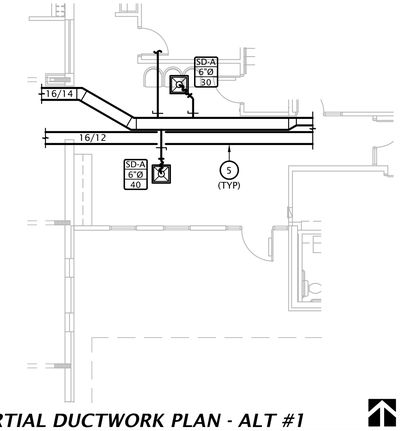
1. MOUNT UNIT ON 14" TALL FULL PERIMETER CURB ON 3-1/2" THICK LEVEL CONCRETE PAD. REFERENCE ARCH. DRAWINGS FOR PAD. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH G.C.
2. TRANSITION TO DUCTWORK CONNECTIONS AT DOAS UNIT. CONNECT DUCTWORK TO PREVENT BLOCKING ADJACENT ACCESS DOORS. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER. SEE EXTERIOR DUCT DETAIL 1:M6.4.
3. SUPPORT EXTERIOR DUCTWORK ALONG GRADE WITH PREFABRICATED SUPPORTS, ERICO PYRAMID OR EQUAL. SEE DETAIL 1:M6.4. PENETRATE EXTERIOR WALL 18" AFG, UNLESS NOTED OTHERWISE.
4. ROUTE 14/8 EXHAUST DUCT DOWN TO BASEMENT.
5. ROUTE DUCTWORK THROUGH ATTIC IN THIS AREA. FIELD COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS.
6. ROUTE DUCTWORK UP ALONG EXTERIOR WALL AND PENETRATE WALL ABOVE CEILING IN STORAGE ROOM.
7. TRANSITION TO DUCTWORK CONNECTIONS AS GRADE MOUNTED EQUIPMENT. CONNECT DUCTWORK TO PREVENT BLOCKING ADJACENT ACCESS DOORS. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER. SEE EXTERIOR DUCT DETAIL 1:M6.4.
8. ROUTE 14/10 O.A. SUPPLY DUCT DOWN TO BASEMENT.
9. KITCHEN EXHAUST DUCT SHALL BE WELDED STEEL WITH (2) LAYERS OF FLAME SHIELD FIRE RATED INSULATION BLANKET.
10. CONNECT TO 14"Ø EXHAUST DUCT CONNECTION AT KITCHEN HOOD.
11. ROUTE 14"Ø ROUND EXHAUST DUCT UP AND TRANSITION TO CONNECTION AT KITCHEN EXHAUST FAN. SEE EXHAUST DUCT INSULATION DETAILS 3&4:M6.4.
12. CONNECT TO 30/16 SUPPLY DUCT CONNECTIONS AT KITCHEN HOOD.
13. PROVIDE UL LISTED DRYER BOX EQUAL TO IN-O-VATE TECHNOLOGIES IN WALL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND ROUTE 4"Ø DRYER EXHAUST DUCT TO DRYER WALL CAP WITH BACKDRAFT DAMPER. MAXIMUM ALLOWABLE EQUIVLANET DUCT LENGTH = 35'. PROVIDE PERMANENT LABEL IDENTIFYING EQUIVALENT LENGTH OF DRYER DUCT INSTALLED PER IMC 504.
14. COORDINATE ROUTING OF EXPOSED DUCTWORK WITH ARCHITECT PRIOR TO INSTALLATION. SEE DETAIL 2:M6.4.
15. PROVIDE KITCHEN EXHAUST HOOD AND MAKE-UP AIR UNIT. REFERENCE KITCHEN HOOD DRAWINGS ON SHEET M6.5 AND M6.6 FOR ADDITIONAL INFORMATION.



1 FIRST FLOOR DUCTWORK PLAN
1/8" = 1'-0"



3 PARTIAL DUCTWORK PLAN - ALTERNATE #7
1/8" = 1'-0"



2 PARTIAL DUCTWORK PLAN - ALT #1
1/8" = 1'-0"

LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

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JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

JEFFREY L. SMITH 14654 21 Mar 2024 KANSAS PROFESSIONAL ENGINEER

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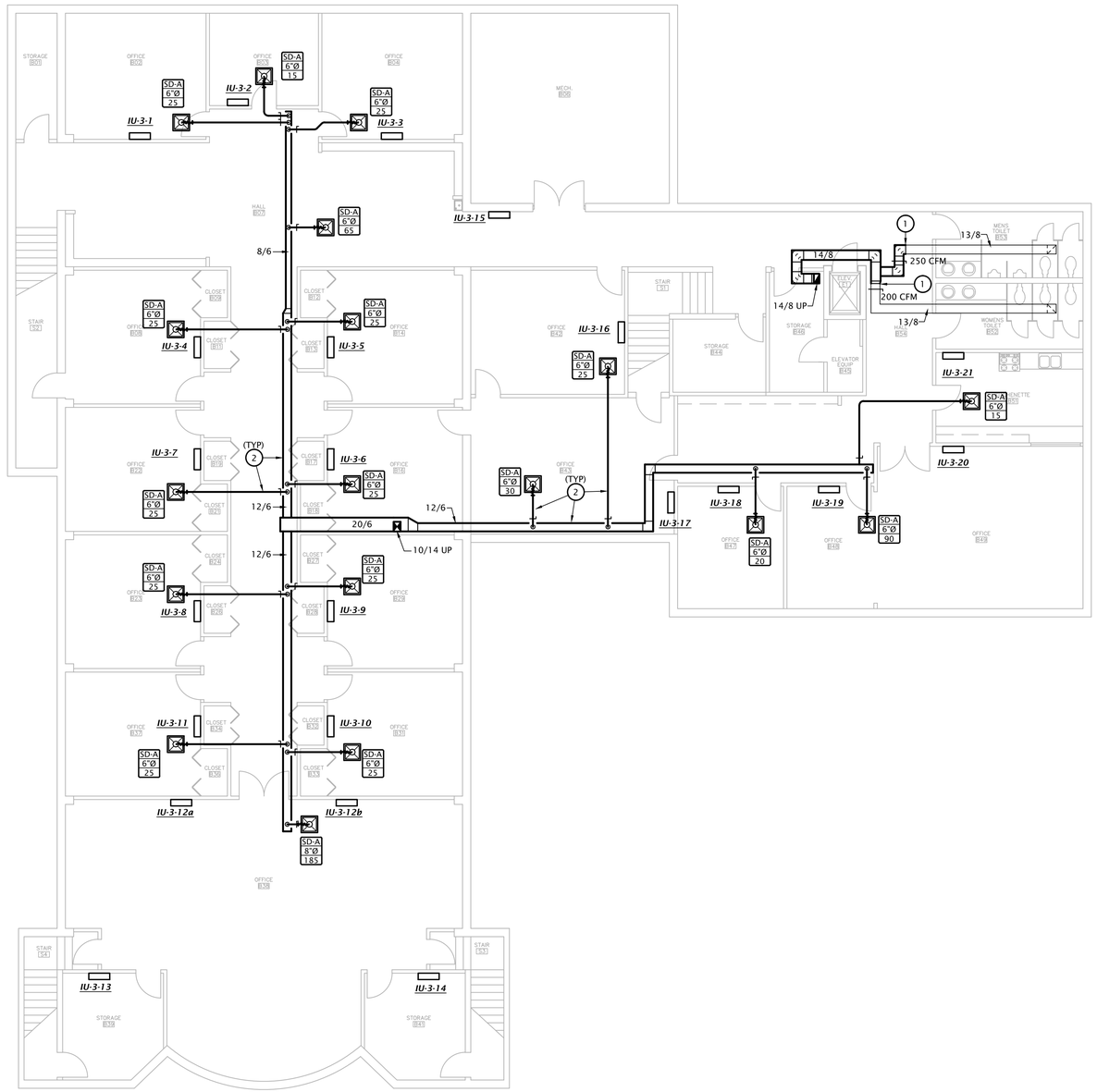
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WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
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www.LSTengineers.com
mail@LSTengineers.com

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ⓐ HVAC PLAN NOTES BY SYMBOL

1. CONNECT TO EXISTING EXHAUST DUCT SERVING BASEMENT BATHROOMS.FIED VERIFY EXACT SIZE AND LOCATION OF EXISTING.
2. ROUTE DUCTWORK AS HIGH AS POSSIBLE, TIGHT TO BOTTOM OF STRUCTURE AND BETWEEN CONCRETE JOISTS. FIELD COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS AND OTHER TRADES.



① BASEMENT HVAC DUCTWORK PLAN

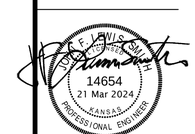
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JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

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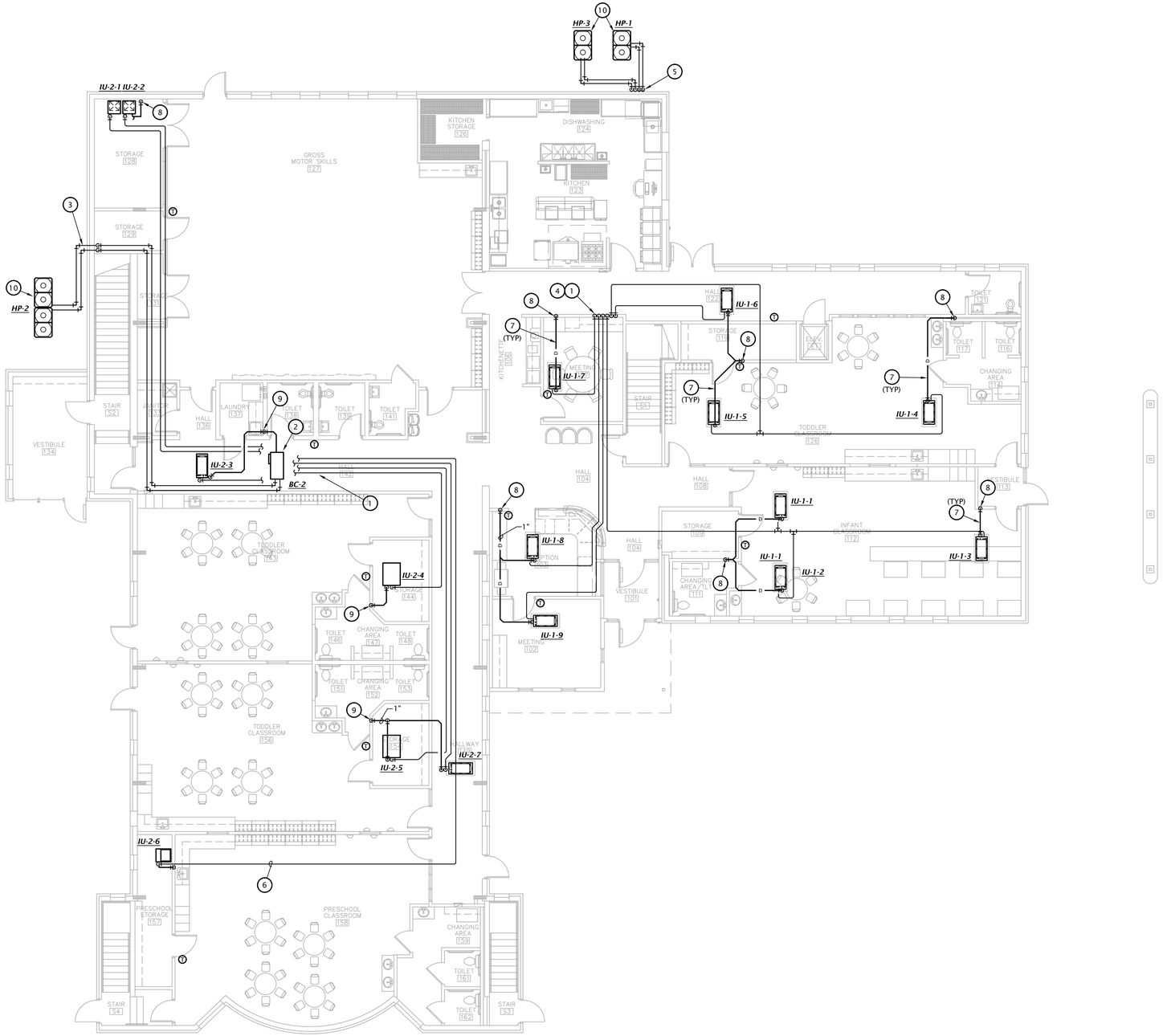
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4809 Vue Du Lac Place, Suite 201
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125 S. Washington, Suite 150
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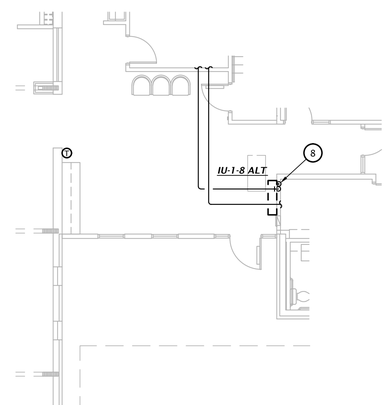


1 FIRST FLOOR HVAC PIPING PLAN

1/8" = 1'-0"

HVAC PLAN NOTES BY SYMBOL

1. ROUTE REFRIGERANT PIPING BETWEEN VRF COMPONENTS CONCEALED ABOVE CEILINGS AND/OR IN WALLS IN FINISHED SPACES. SIZE AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. SEE VRF SYSTEM DIAGRAMS ON SHEET M6.3 FOR ADDITIONAL INFORMATION. COORDINATE ROUTING WITH OTHER TRADES AND EXISTING CONDITIONS.
2. INSTALL BC CONTROLLER AS HIGH AS POSSIBLE . PROVIDE 3/4" CONDENSATE DRAIN ROUTED TO ABOVE FLOOR DRAIN IN MECHANICAL ROOM. SEE DETAIL 3:M6.3 FOR ADDITIONAL INFORMATION.
3. ROUTE REFRIGERANT PIPING FROM BC CONTROLLER TO MATCHING HEAT PUMP UNIT ON GRADE. PENETRATE EXTERIOR WALL AT 18" A.F.G.
4. ROUTE PIPING DOWN TO BC CONTROLLER IN BASEMENT, SEE M1.4 FOR CONTINUATION.
5. ROUTE REFRIGERANT PIPING FROM BC CONTROLLER TO MATCHING HEAT PUMP UNIT ON GRADE. PENETRATE EXTERIOR WALL AT AREA WAY AS HIGH AS POSSIBLE ABOVE BOTTOM OF AREA WAY. SEE M1.4 FOR CONTINUATION.
6. COORDINATE ROUTING OF PIPING WITH ARCHITECT WHERE ROUTED THROUGH EXPOSED AREAS.
7. ROUTE 1" CONDENSATE FROM INDOOR UNIT CONCEALED ABOVE CEILING AS HIGH AS POSSIBLE . COORDINATE WITH EXISTING CONDITIONS AND G.C.
8. ROUTE 1" CONDENSATE DOWN IN WALL TO NEAREST DRAIN BOX IN BASEMENT. SEE M1.4 FOR CONTINUATION.
9. ROUTE 1" CONDENSATE DRAIN FROM INDOOR UNIT TO DRAIN BOX IN WALL. ROUTE DRAIN CONCEALED ABOVE CEILINGS AND IN WALLS.
10. MOUNT HEAT PUMP ON STAND ON 3-1/2" THICK LEVEL CONCRETE PAD, COORDINATE WITH G.C. SEE DETAIL 4:M6.3.



1 FIRST FLOOR HVAC PIPING PLAN - ALT

1/8" = 1'-0"

JonesGillamRenz
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com
730 N. Ninth
Salina, KS 67401
785.827.0386

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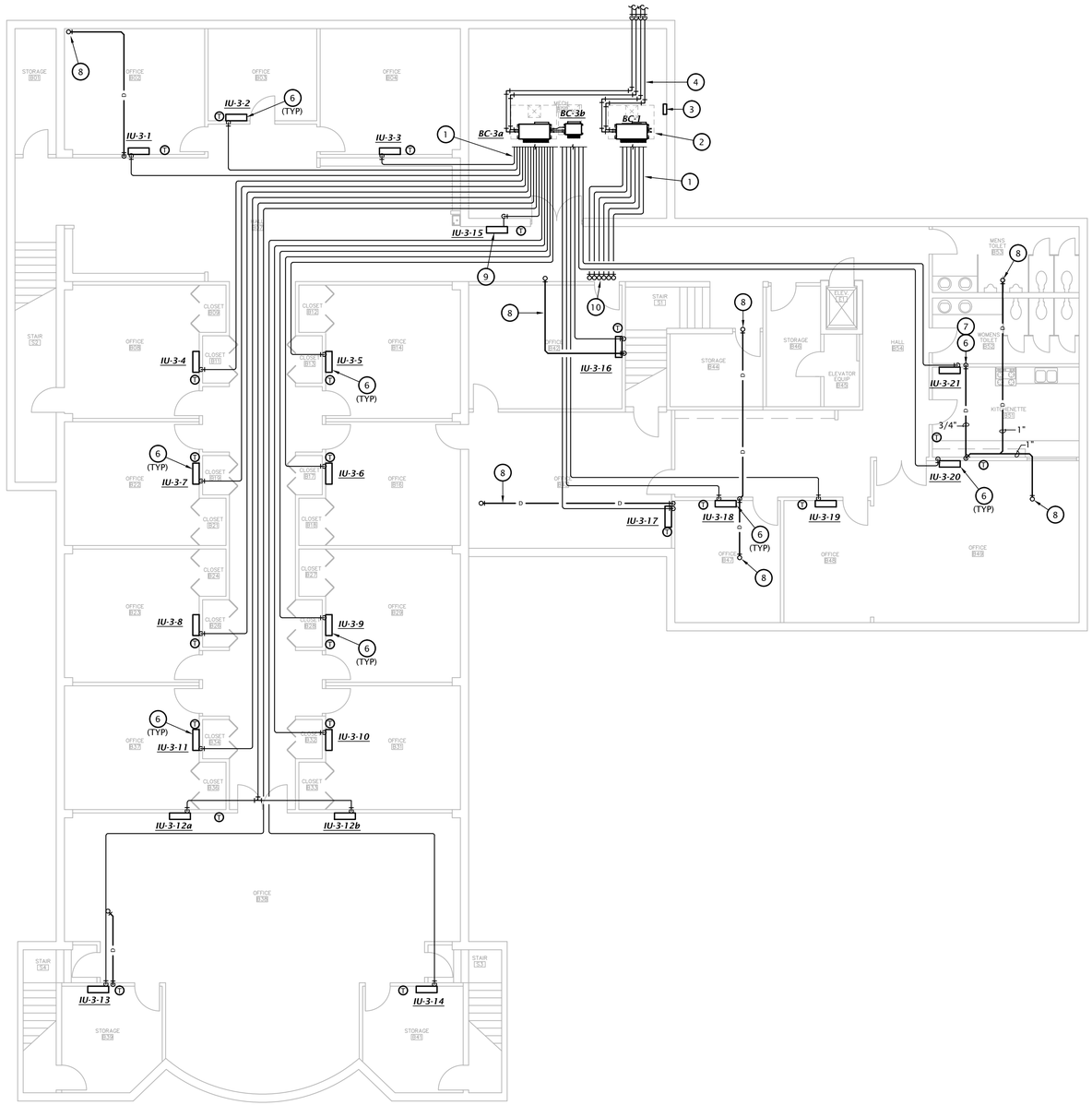
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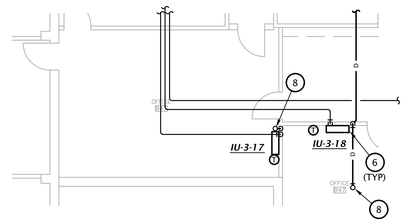
HVAC PLAN NOTES BY SYMBOL

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2. INSTALL BC CONTROLLER AS HIGH AS POSSIBLE . PROVIDE 3/4" CONDENSATE DRAIN ROUTED TO ABOVE FLOOR DRAIN IN MECHANICAL ROOM. SEE DETAIL 3:M6.3 FOR ADDITIONAL INFORMATION.
3. VRF CENTRAL CONTROLLER. PROVIDE ALL CONTROL CABLING REQUIRED TO INTERCONNECT EQUIPMENT.
4. ROUTE REFRIGERANT PIPING FROM BC CONTROLLER TO MATCHING HEAT PUMP UNIT ON GRADE. PENETRATE EXTERIOR WALL AT AREA WAY AS HIGH AS POSSIBLE ABOVE BOTTOM OF AREA WAY.
5. SEE M1.3 FOR CONTINUATION.
6. PROVIDE 3/4" CONDENSATE FROM EACH WALL MOUNTED INDOOR UNIT AND ROUTE TO INDIRECT CONNECTION AT CONDENSATE DRAIN BOX IN WALL. ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS WHEREVER POSSIBLE AND TIGHT TO STRUCTURE WHERE PIPING IS EXPOSED. DO NOT ROUTE PIPING EXPOSED IN FINISHED SPACES. FIELD COORDINATE EXACT REQUIREMENTS WITH EXISTING CONDITIONS AND OTHER TRADES. FIELD COORDINATE EXACT DRAIN BOX LOCATION WITH PLUMBING CONTRACTOR, SEE M1.6 FOR ADDITIONAL INFO.
7. PROVIDE WALL MOUNTED UNIT WITH MANUFACTURERS'S CONDENSATE PUMP ACCESSORY WHERE DRAINING BY GRAVITY IS NOT POSSIBLE. ROUTE CONDENSATE FROM DISCHARGE OF PUMP AS HIGH AS POSSIBLE TO NEAREST DRAIN BOX. FIELD COORDINATE EXACT ROUTING AND REQUIREMENTS REQUIREMENTS WITH EXISTING CONDITIONS.
8. ROUTE CONDENSATE FROM UNIT ABOVE AT 1ST FLOOR CONCEALED ABOVE CEILING TO NEAREST DRAIN BOX. FIELD COORDINATE EXACT ROUTING AND DRAIN BOX LOCATIONS WITH EXISTING CONDITIONS AND OTHER TRADES.
9. PROVIDE MANUFACTURER'S CONDENSATE LIFT ACCESSORY AND ROUTE 3/4" CONDENSATE DRAIN FROM WALL WALL MOUNTED UNIT TO NEAREST FLOOR DRAIN IN MECHANICAL ROOM.
10. UP TO 1ST FLOOR. SEE M1.3 FOR CONTINUATION.



1 BASEMENT HVAC PIPING PLAN

1/8" = 1'-0"



1 BASEMENT HVAC PIPING PLAN - ALT

1/8" = 1'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

JOHN E. LEWIS SMITH
14654
21 Mar 2024
KANSAS
PROFESSIONAL ENGINEER

REVISION:

DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

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MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
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316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

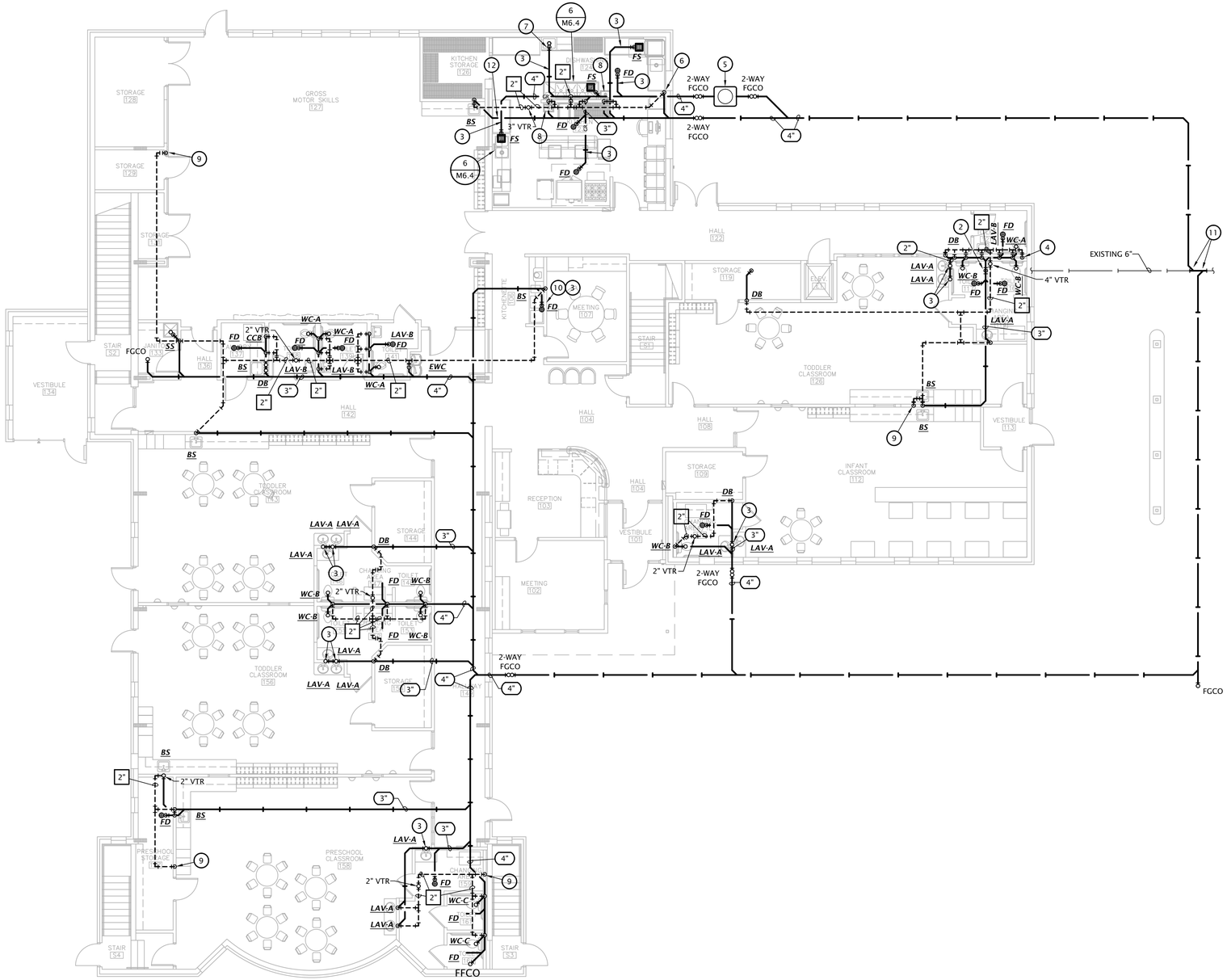
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Coordinate plumbing rough-in requirements for all kitchen equipment provided by others with owner and/or kitchen equipment supplier.

PLUMBING SIZING SYMBOLS	
(X")	DRAIN (X = SIZE)
[X"]	VENT (X = SIZE)
⟨X"⟩	WASTE STACK VENT (X = SIZE)

NOTE: WASTE PIPING OCCURS BELOW FLOOR IN BASEMENT, BUT IS SHOWN ON THIS PLAN FOR CLARITY.



WASTE AND VENT PLAN NOTES BY SYMBOL

1. SEE CIVIL DRAWINGS FOR CONTINUATION.
2. 4" WASTE DOWN, CONNECT TO EXISTING 4" WASTE IN BASEMENT PLUMBING CHASE PREVIOUSLY SERVING AREA.
3. FIXTURE IS VENTED WITH COMBINATION WASTE AND VENT SYSTEM.
4. 4" VENT PIPING FROM BASEMENT, SEE M1.6 FOR CONTINUATION.
5. PROVIDE SCHIER MODEL GB-50 HYDROMECHANICAL GREASE INTERCEPTOR, RATED FOR 50 GPM. INTERCEPTOR SHALL BE ASME A112.14.3 CERTIFIED TO NOT REQUIRE THE USE OF FLOW CONTROL. PROVIDE WITH ADJUSTABLE LID SYSTEM WITH EXTENSION RINGS AS REQUIRED, SAMPLE PORT ACCESS, AND CAST IRON LID WITH WATER/GAS TIGHT SEAL AND MINIMUM 20,000 LBS. LOAD CAPACITY DESIGNED IN ACCORDANCE WITH AASHTO H-20. COORDINATE EXACT LOCATION AND INSTALLATION WITH G.C.
6. PROVIDE 2" DRAIN AND 1-1/2" VENT AND CONNECT TO DISPOSER AT PRE-RINSE SINK PROVIDED BY KITCHEN EQUIPMENT PROVIDER. COORDINATE EXACT REQUIREMENTS WITH KITCHEN EQUIPMENT PROVIDER.
7. PROVIDE 3" DRAIN PIPING AND CONNECT TO MOP SINK PROVIDED BY KITCHEN EQUIPMENT PROVIDER. COORDINATE EXACT REQUIREMENTS WITH KITCHEN EQUIPMENT PROVIDER.
8. PROVIDE 2" DRAIN AND 1-1/2" VENT PIPING AND MAKE CONNECTION TO HAND SINK PROVIDE BY KITCHEN EQUIPMENT PROVIDER. COORDINATE EXACT REQUIREMENTS WITH KITCHEN EQUIPMENT PROVIDER.
9. 2" VENT PIPING FROM BASEMENT, SEE M1.6 FOR CONTINUATION.
10. PROVIDE FLOOR DRAIN WITH CONDENSATE FUNNEL FOR ICE MAKER DRAIN, COORDINATE EXACT LOCATION WITH EQUIPMENT PROVIDE AND ARCHITECT.
11. CONNECT TO EXISTING 6" OR LARGER BUILDING SEWER ON SITE. FIELD VERIFY CONDITION OF EXISTING PIPING. IF PIPING IS IN POOR CONDITION NOTIFY ARCHITECT AND ENGINEER PRIOR TO CONNECTING TO EXISTING.
12. COORDINATE ROUTING OF PIPING THROUGH MECHANICAL ROOM WITH E.C. DO NOT ROUTE PIPING ABOVE ELECTRICAL PANELS.

1 FISRT FLOOR WASTE AND VENT PLAN

1/8" = 1'-0"

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

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BUILDING REHABILITATION

HILLSBORO, KANSAS

JEFFREY L. SMITH 14654 21 Mar 2024 KANSAS PROFESSIONAL ENGINEER

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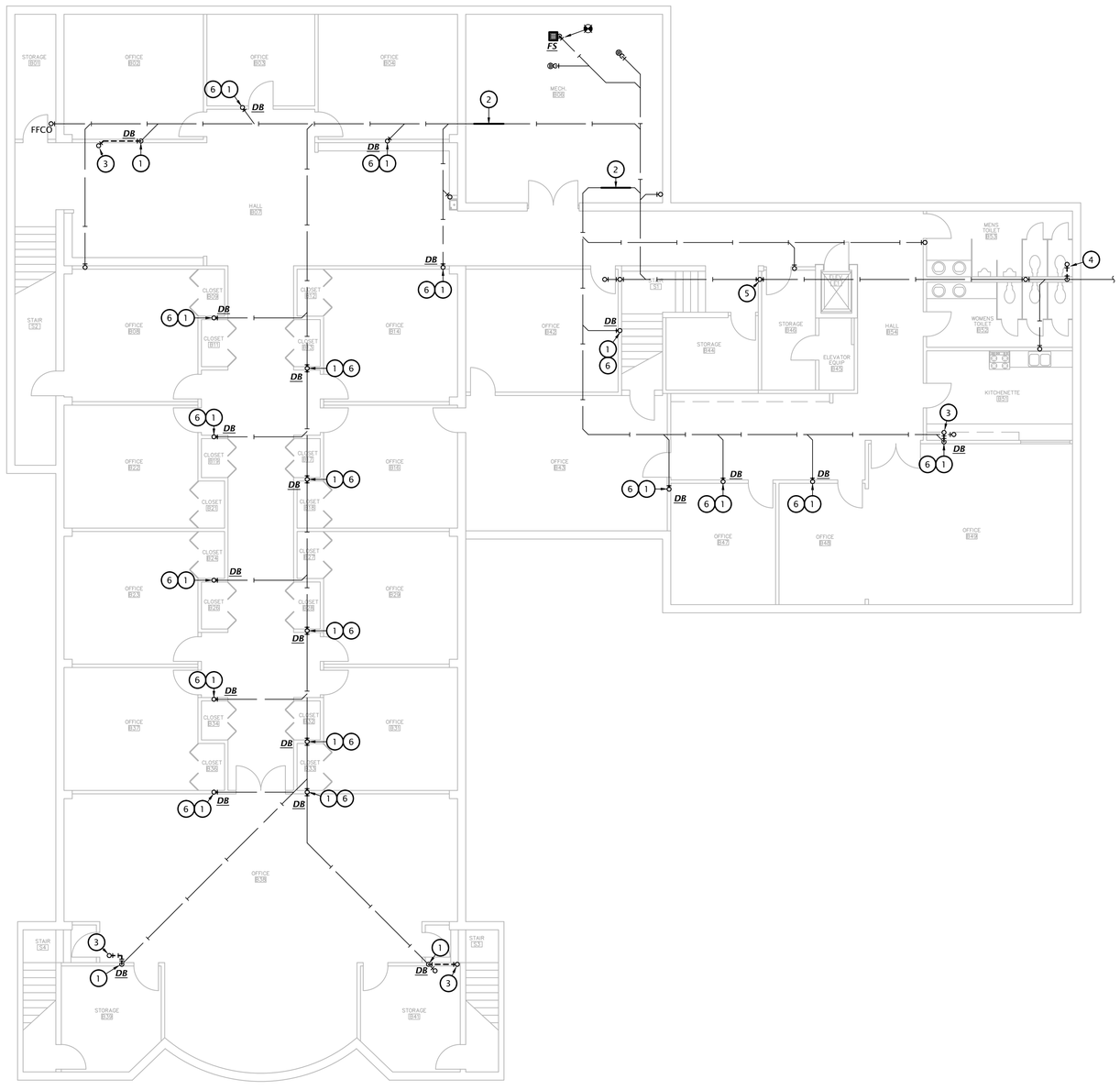
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LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

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March 2024



1 BASEMENT WASTE AND VENT PLAN

1/8" = 1'-0"

WASTE AND VENT PLAN NOTES BY SYMBOL

1. CONNECT TO EXISTING 2" DRAIN BELOW GRADE AND ROUTE 2" WASTE UP IN WALL TO DRAIN BOX. SEE DETAIL 1:M6.1 FOR MORE INFORMATION. FIELD COORDINATE EXACT LOCATION WITH EXISTING CONDITIONS.
2. REMOVE EXISTING RUNNING TRAP AND EXTEND 2" DRAIN WITHOUT TRAP TO EXISTING 2" OR LARGER DRAIN PIPING BELOW SLAB. MODIFY EXISTING PIPING AS REQUIRED. FIELD VERIFY EXACT REQUIREMENTS AND SIZE AND LOCATION OF EXISTING.
3. ROUTE 2" VENT PIPING UP TO FLOOR ABOVE SEE M1.5 FOR CONTINUATION.
4. MODIFY EXISTING 4" VENT PIPING TO ROUTE THROUGH NEW FIRST FLOOR WALL, SEE M1.5 FOR CONTINUATION.
5. CONNECT TO EXISTING 4" DRAIN BELOW GRADE AND ROUTE 2" WASTE UP IN WALL, SEE M1.5 FOR CONTINUATION.
6. FIXTURE IS VENTED WITH COMBINATION WASTE AND VENT SYSTEM.

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

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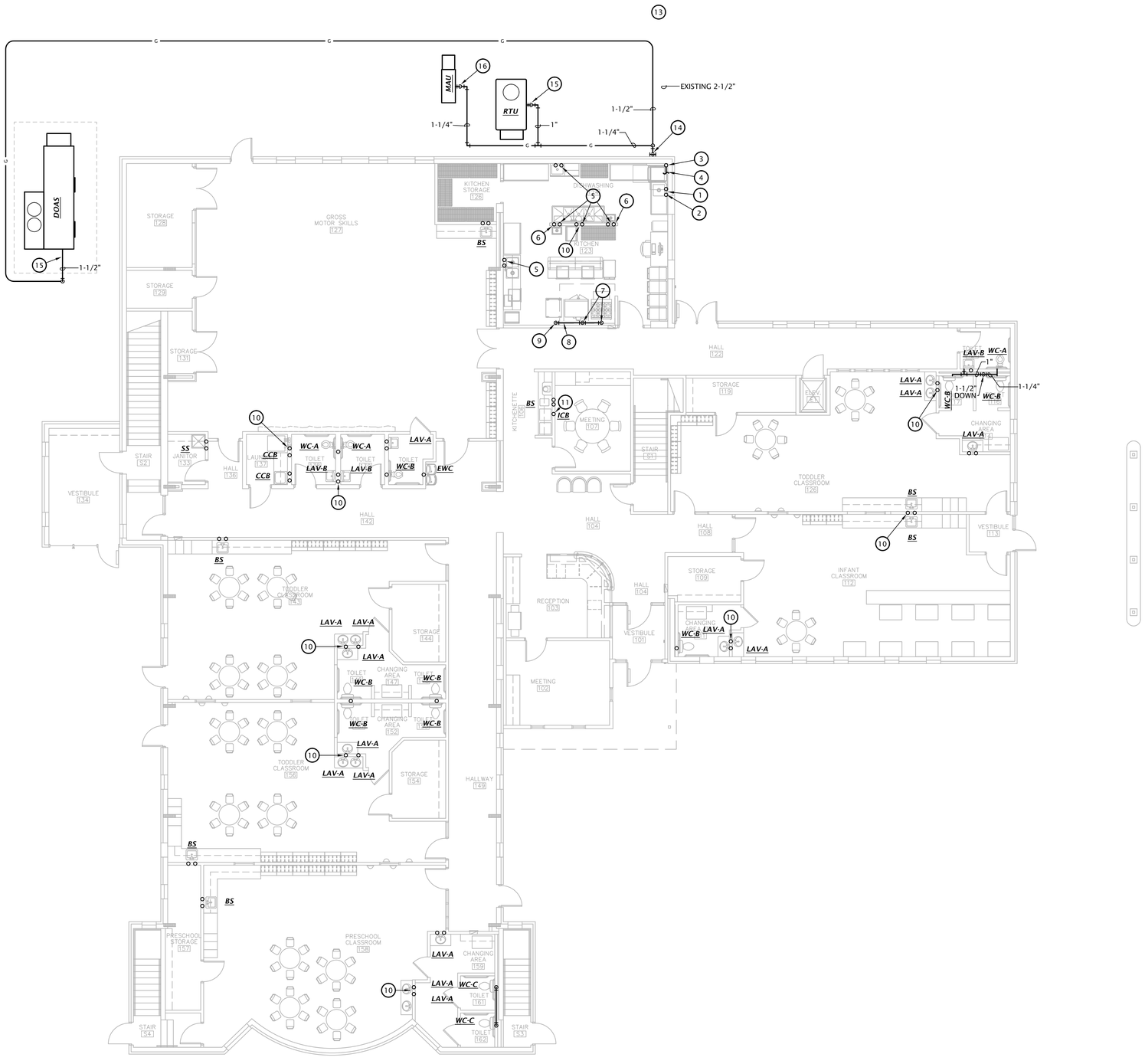
JEFF LEWIS SMITH
14654
21 Mar 2024
KANSAS
PROFESSIONAL ENGINEER

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1 FIRST FLOOR DOMESTIC WATER PLAN

1/8" = 1'-0"

Coordinate plumbing rough-in requirements for all kitchen equipment provided by others with owner and/or kitchen equipment supplier.

DOMESTIC WATER PLAN NOTES BY SYMBOL

1. PROVIDE 1/2" CW AND HW BRANCHES AND CONNECT PRE-RINSE FAUCET AT DISHTABLE.
2. PROVIDE 1/2" CW AND CONNECT TO GARBAGE DISPOSER. INSTALL VACUUM BREAKER PROVIDED BY OTHERS IN LOCATION APPROVED BY AHJ. REFERENCE FOOD SERVICE DRAWINGS FOR MORE INFORMATION. COORDINATE REQUIREMENT WITH EQUIPMENT PROVIDED.
3. CONNECT 3/4" CW TO DISHWASHER. PROVIDE WATER HAMMER ARRESTOR, AND VACUUM BREAKER IN LOCATION APPROVED BY AHJ. REFERENCE FOOD SERVICE DRAWINGS FOR MORE INFORMATION. COORDINATE REQUIREMENTS WITH EQUIPMENT PROVIDED.
4. PROVIDE VALVED 1/2" CW BRANCH AND CONNECT TO DRAIN WATER TEMPERING CONNECTION AT DISHWASHER. PROVIDE BACKFLOW PREVENTER IF REQUIRED. COORDINATE REQUIREMENTS WITH EQUIPMENT PROVIDED AND AHJ.
5. PROVIDE 1/2" HW AND CW BRANCHES AND CONNECT TO SINK PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. REFERENCE FOOD SERVICE DRAWINGS FOR MORE INFORMATION. COORDINATE REQUIREMENTS WITH EQUIPMENT PROVIDED.
6. PROVIDE POINT OF USE TEMPERING VALVE CONFORMING TO ASSE 1070 AT HAND SINK TO LIMIT HOT WATER TO 105°F.
7. CONNECT GAS TO KITCHEN EQUIPMENT. PROVIDE GAS COCK, UNION, AND DIRT LEG. UTILIZE FLEXIBLE GAS CONNECTOR HOSE PROVIDED BY OTHERS. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDER.
8. INSTALL GAS PIPING EXPOSED TIGHT TO WALL IN KITCHEN.
9. PROVIDE GAS SOLENOID VALVE. VALVE TO CLOSE UPON ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM OR LOSS OF POWER. COORDINATE INSTALLATION WITH KITCHEN SUPPRESSION SYSTEM PROVIDED AND E.C.
10. ROUTE 3/4" HW AND CW UP IN WALL FROM BASEMENT AND PROVIDE 1/2" HW AND CW BRANCHES TO EACH FIXTURE.
11. MAKE CONNECTION TO ICE MAKER, COORDINATE EXACT REQUIREMENTS AND LOCATION WITH GC AND EQUIPMENT PROVIDED BY OTHERS.
12. EXISTING 2-1/2" GAS SERVICE TO GAS METER AND REGULATOR AT ALLEY TO REMAIN. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING.
13. CONNECT TO EXISTING 2-1/2' GAS PIPING AT BUILDING PROVIDE GAS GOCK AND ROUTE PIPING DOWN BELOW GRADE TO MECHANICAL EQUIPMENT. MODIFY EXISTING PIPING AS REQUIRED. FIELD VERIFY EXACT REQUIREMENTS AND SIZE AND LOCATION OF EXISTING.
14. CONNECT GAS TO PACKAGED UNIT ON GRADE. PROVIDE GAS COCK, UNION, AND DIRT LEG.
15. CONNECT GAS TO MAKE-UP AIR UNIT ON GRADE. PROVIDE GAS COCK, UNION, AND DIRT LEG.

LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
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316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

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JonesGillamRenz
730 N. Ninth
Salina, KS 67401
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Kansas City, MO 64108
jgr@jgrarchitects.com

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HILLSBORO, KANSAS

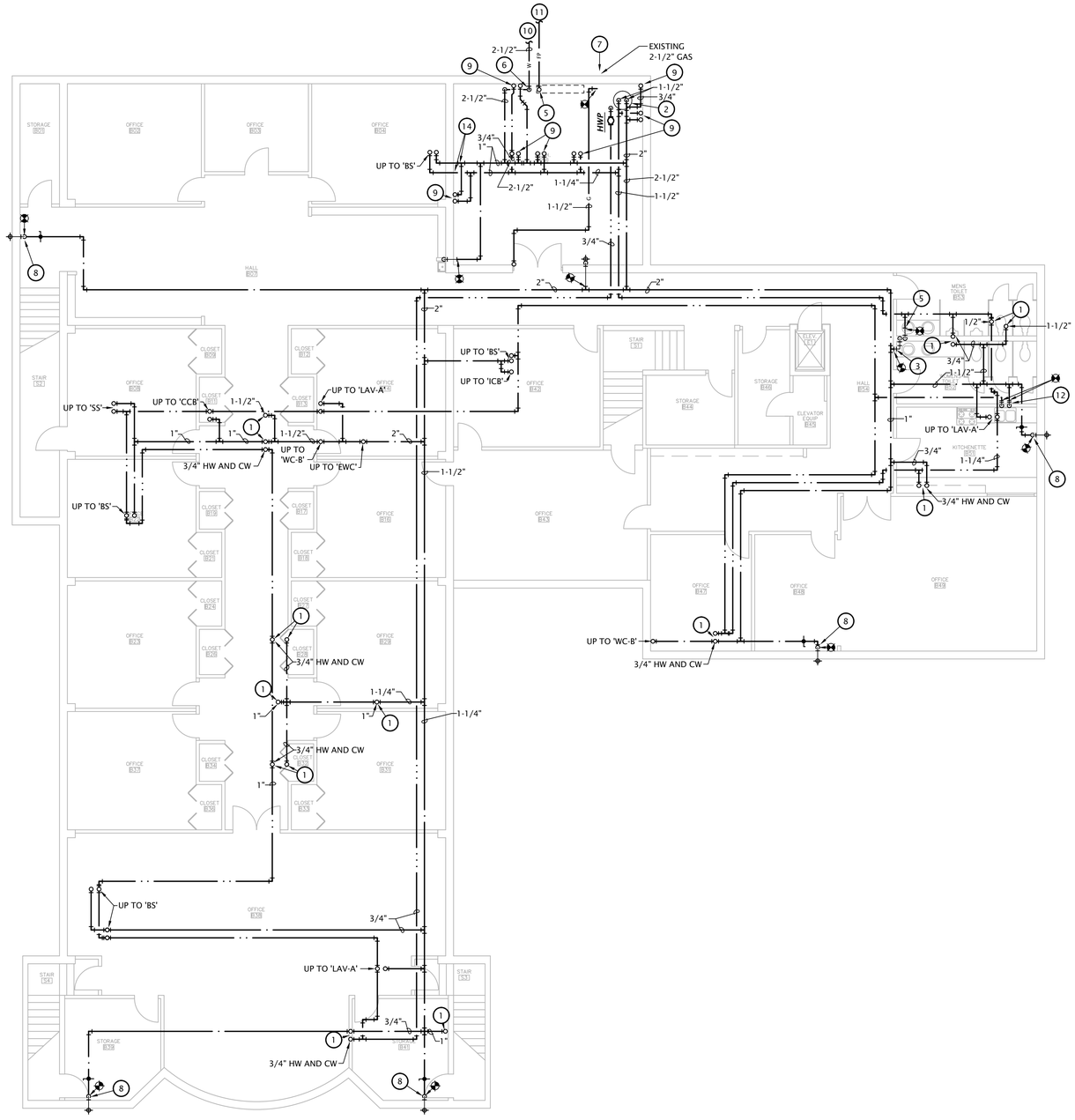
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1 BASEMENT DOMESTIC WATER PLAN

1/8" = 1'-0"

DOMESTIC WATER PLAN NOTES BY SYMBOL

1. UP TO PLUMBING FIXTURE(S) ABOVE. SEE FIRST FLOOR PLAN ON M1.7 FOR CONTINUATION.
2. CONNECT TO EXISTING HOT WATER HEATER. SEE DETAIL 8:M6.4 FOR MORE INFORMATION.
3. CONNECT TO EXISTING 2" CW PIPING SERVING EXISTING BASEMENT RESTROOMS.
4. CONNECT TO EXISTING 3/4" HW PIPING SERVING EXISTING BASEMENT RESTROOMS.
5. FIRE SPRINKLER RISER. SEE DETAIL 1:M6.1 FOR ADDITIONAL INFORMATION.
6. PROVIDE SHUT-OFF VALVE IN WATER SERVICE RISER. PROVIDE RPZ BACKFLOW PREVENTER AT WATER SERVICE. PROVIDE PRESSURE REDUCING VALVE SET TO 80 PSI IF REQUIRED. COORDINATE REQUIREMENTS WITH CITY OF HILLSBORO. SEE DETAIL 9:M6.4.
7. SEE FIRST FLOOR PLAN ON M1.7 FOR CONTINUATION.
8. CONNECT 3/4" CW TO EXISTING WALL HYDRANT. FIELD VERIFY EXACT LOCATION OF EXISTING. PROVIDE BALL VALVE IN BRANCH SERVING WALL HYDRANT.
9. UP TO KITCHEN EQUIPMENT/FIXTURE ABOVE. SEE FIRST FLOOR PLAN M1.7 FOR CONTINUATION AND MORE INFORMATION.
10. EXTEND DOMESTIC WATER TO CITY WATER MAIN. COORDINATE EXACT LOCATION OF WATER MAIN, TAPPING, AND METERING LOCATION AND REQUIREMENTS WITH CITY OF HILLSBORO AND PAY ALL ASSOCIATED FEES. SEE ARCHITECTURAL SITE PLAN FOR CONTINUATION AND ALTERNATES.
11. EXTEND FIRE SPRINKLER SERVICE TO CITY WATER MAIN. COORDINATE EXACT LOCATION OF CITY WATER MAIN AND CONNECTION POINT WITH CITY OF HILLSBORO. COORDINATE TAPPING REQUIREMENTS WITH CITY OF HILLSBORO AND PAY ALL ASSOCIATED FEES. SEE ARCHITECTURAL SITE PLAN FOR CONTINUATION AND ALTERNATES.
12. PROVIDE 1/2" HW AND CW BRANCHES AND CONNECT TO EXISTING PIPING SERVING SINK TO REMAIN.
13. ROUTE GAS UP TO KITCHEN EQUIPMENT ABOVE. SEE FIRST FLOOR PLAN ON M1.7 FOR CONTINUATION.
14. COORDINATE EXACT ROUTING OF WATER PIPING WITH E.C. DO NOT ROUTE PIPING ABOVE ELECTRICAL PANELS.

LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056

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JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

JEFF LEWIS SMITH
14654
21 Mar 2024
KANSAS PROFESSIONAL ENGINEER

REVISION:

DATE: 3-21-2024
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AIR DEVICE SCHEDULE

MARK	MANUFATURER	MODEL	APPLICATION				FINISH	MOUNTING	DAMPER	DESCRIPTION	NOTES
			SUPPLY	RETURN	EXHAUST	TRANSFER					
SD-A	PRICE	SCD	•				WHITE	LAY-IN	NO	24x24" steel square louvered diffuser, neck size as indicated on drawings.	
SD-B	PRICE	520	•				WHITE	SURFACE/ WALL	NO	Steel double deflection louvered diffuser, neck size as indicated on drawings.	
SD-C	PRICE	SDG	•				WHITE	DUCT	NO	Steel double deflection spiral duct register, size as indicated on drawings.	1
RG-A	PRICE	PDDR		•			WHITE	LAY-IN	NO	24"x24" Perforated face return grille, neck size as indicated on drawings	
RG-B	PRICE	530		•			WHITE	SURFACE/ WALL	NO	Steel single deflection return grille, neck size as indicated on drawings	
RG-C	PRICE	530FF		•			WHITE	SURFACE/ WALL	NO	Steel single deflection filter return grille, neck size as indicated on drawings	2
RG-D	PRICE	530FF		•			WHITE	LAY-IN	NO	Aluminum egg crate filter return grille, neck size as indicated on drawings	2
EG-A	PRICE	PDDR			•		WHITE	LAY-IN	NO	24"x24" Perforated face return grille, neck size as indicated on drawings	
EG-B	PRICE	530		•		•	WHITE	SURFACE/ WALL	NO	Steel single deflection return grille, neck size as indicated on drawings	

GENERAL NOTES:

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

NOTES:

1. Provide with air scoop.
2. Provide with MERV 8 pleated filter.

ELECTRIC HEATER SCHEDULE

MARK	MANUF.	MODEL	MOUNTING	WATTS	VOLTAGE/PHASE	DESCRIPTION	NOTES
EWH-1,2,4,5,6	TRANE	UHWA	WALL	1,500	120/1	Architectural fan forced wall heater	1,2,4
EWH-3	TRANE	UHWA	WALL	1,500	120/1	Architectural fan forced wall heater	1,2,3

NOTES:

1. Provide with high temp. thermal cutout and fan delay.
2. Provide with integral thermostat and unit mounted disconnect switch.
3. Provide with manufacturer's surface mounting adapter sleeve. Coordinate exact mounting requirements and locations with Arch. and and existing conditions.
4. Provide with manufacturer's semi-recessed mounting adapter sleeve. Coordinate exact mounting requirements and locations with Arch. and rated construction.

PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER	DESCRIPTION	TRIM		ROUGH-IN SIZES				NOTES
			MANUFACTURER	DESCRIPTION	WASTE	VENT	CW	HW	
WC-A	AMERICAN STANDARD	Model 2234.001 "Madera" floor mounted flush valve water closet, white vitreous china, top spud 1.28 GPF, 12" rough-in, elongated bowl 15" high bowl.	SLOAN AMERICAN STANDARD	Model ROYAL-2 111-1.28 diaphragm type manual chrome plated flush valve, 1.28 GPF. Model 5901.100 white open front plastic seat.	4"	2"	1"	---	1,4
WC-B	AMERICAN STANDARD	Model 2315.228 "Baby DeVoro" flush tank child sized water closet, white vitreous china, two piece, 1.28 GPF, 10" rough-in, round bowl 10-1/4" high bowl.	AMERICAN STANDARD	Model 5901G.055 Baby Devoro white open front plastic seat.	4"	2"	1"	---	4
WC-C	AMERICAN STANDARD	Model 211CA.104 flush tank water closet, white vitreous china, 1.28 GPF, 12" rough-in, elongated 15" high bowl.	AMERICAN STANDARD	Model 5901.100 white open front plastic seat.	4"	2"	1"	---	4
LAV-A	N/A	Trim only for solid surface sink integral to countertop.	CHICAGO FAUCETS	Model 420-T45E2805ABCP single handle faucet with integral ASSE 1070 thermostatic mixing vavle. Provide grid drain.	2"	1-1/2"	1/2"	1/2"	1,2,3,4
LAV-B	AMERICAN STANDARD	Model 0356.041 wall hung lavatory, white vitrous china, 20"W x 18", faucet holes on 4" centers.	CHICAGO FAUCETS	Model 420-T45E2805ABCP single handle faucet with integral ASSE 1070 thermostatic mixing vavle. Provide grid drain.	2"	1-1/2"	1/2"	1/2"	2,3,4
BS	N/A	Trim only for solid surface sink integral to countertop.	CHICAGO FAUCETS	Model 895-317GN8AE73ABCP two handle wristblade bar sink faucet, 8" swivel gooseneck spout, 1.0 GPM laminar flow outlet, chrome finish. Provide basket strainer.	2"	1-1/2"	1/2"	1/2"	1,2,4
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 540-LD897SGXKCCP faucet with hose thread outlet, vacuum breaker, pail hook, wall brace, metal lever handles.	3"	1-1/2"	3/4"	3/4"	4
EWC	ELKAY	Model EZSTLG8WSLK two level ADA self-contained water cooler with stainless steel basin, front push bar actuator, and hands free bottle filling station, with 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"	---	
DB	SOUIX CHIEF	Model 696-3 drainage box box with 2" drain connection and solid cover.			2"	---	---	---	
FD	WADE	1100 series floor drain with 6" satin nickel bronze strainer. Provide trap protection device equal to ProSet Trapguard.			2"	1-1/2"	---	---	
FS	WADE	Model 9140 floor sink with 8" deep body, enameled interior, sediment bucket, nickel bronze trim and half grate.			3"	1-1/2"	---	---	
HWP	BELL & GOSSETT	Model NBF-33 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:

1. Fixture and installation to meet requirements of Americans with Disabilities Act.
2. Provide 1/4 turn angle stops with escutcheon plates, and chrome plated or braided stainless steel supplies, and 1-1/4" cast brass p-trap.
3. Insulate water and waste piping below lavatory. Utilize insulation kit equivalent to LavGuard by Truebro.
4. Trim shall be provided with polished chrome finish.

DEDICATED OUTSIDE AIR UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	OA CFM	OA ESP	EXHAUST CFM	EXHAUST ESP	ENTHALPY WHEEL PERFORMANCE						DX COOLING/HGRH		NAT. GAS HEAT		VOLTAGE/ PHASE	MCA	MOCP	UNIT WEIGHT (LBS)
							SUMMER OA DB/WB	SUMMER EXHAUST DB/WB	SUMMER SA DB/WB	WINTER OA DB/WB	WINTER EXHAUST DB/WB	WINTER SA DB/WB	COIL LAT DB/WB	REHEAT LAT DB	INPUT/ OUTPUT (MBH)	TURNDOWN				
DOAS-1	VALENT	VXE-112-41E-10I-G-D1	3,370	1.0"	3,030	1"	100 / 73	75 / 62.3	84.7 / 66.8	-10 / -11	72 / 55.5	40.2 / 36.2	56.1 / 55.5	82.7	200 / 160	16:1	208/3	65.3	90	3,204

NOTES:

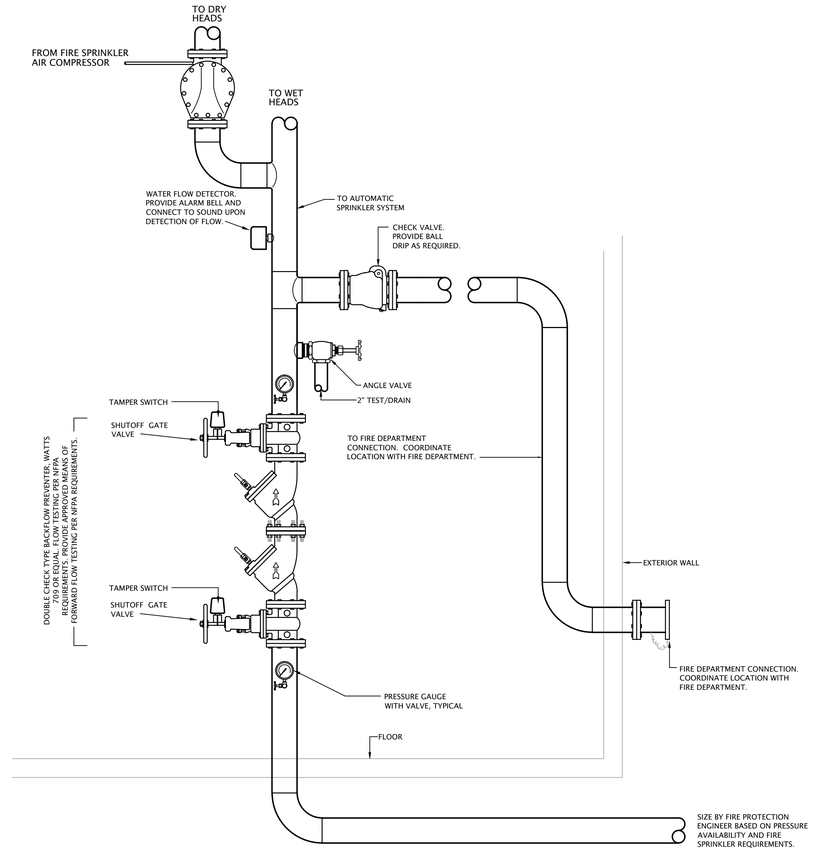
1. Provide full perimeter roof curb for grade mouting. Coordinate requirements with G.C.
2. Provide with stainless steel natural gas heat exchanger.
3. Provide with factory mounted and wired disconnect switch.
4. Provide with hail guards.
5. Provide with inverter scroll compressor with modulating hot gas reheat.
6. Provide with O.A. bypass damper.
7. Provide with all required controls components and wiring to control/ schedule unit from VRF central controller. Coordinate requirements with VRF manufacturer.

GAS FIRED ROOFTOP UNIT SCHEDULE

TAG	MANUF.	MODEL NUMBER	O.A. CFM	SUPPLY FAN			NET COOLING				HOT GAS REHEAT CAPACITY			NAT. GAS MBH INPUT/OUTPUT	WEIGHT (LBS.)	VOLTS / PHASE	MCA	MOCP	NOTES
				CFM	ESP	HP	TOT MBH	SENS MBH	EAT DB/WB	O.A. DB	CAPACITY MBH	LEAVING DB	LEAVING DEW POINT						
RTU	TRANE	YSJ072A3S0L	300	2100	1"	3	67.09	47.19	80/67	105	47.51	74.92	52.72	80/64.8	1,018	208/3	38	50	1,2,3,4,5,6,7,8,9

NOTES:

1. Provide with hail guards.
2. Provide with dehumidification option with hot gas reheat coil, and duct mounted humidity sensor
3. Provide with factory installed and wired circuit breaker.
4. Provide with dry bulb economizer with barometric relief.
5. Provide 2" MERV 8 pleated filters.
6. Provide with 7-day programmable thermostat.
7. Provide with hinged service access panels.
8. Provide unit with side discharge configuration.
9. Provide with all required controls components and wiring to control/ schedule unit from VRF central controller.



1 **FIRE PROTECTION RISER DIAGRAM**
Not to Scale

LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
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MECHANICAL SYMBOLS

- THERMOSTAT
- CONTROL CABLE, VERIFY TYPE WITH EQUIPMENT MANUFACTURER
- SQUARE SUPPLY DIFFUSER - TYPE AND AIRFLOW INDICATED
- SQUARE RETURN GRILLE - TYPE INDICATED
- WALL DIFFUSER
- GRILLE/DIFFUSER TAG
  - TOP: DEVICE TAG (SEE SCHEDULE)
  - MIDDLE: NECK SIZE
  - BOTTOM: AIRFLOW
- MANUAL BALANCING DAMPER
- RECTANGULAR RETURN OR RELIEF AIR DUCT UP
- RECTANGULAR RETURN OR RELIEF AIR DUCT UP
- RECTANGULAR SUPPLY AIR DUCT UP
- RECTANGULAR SUPPLY AIR DUCT DOWN
- RECTANGULAR RETURN OR EXHAUST AIR DUCT DOWN
- ROUND DUCT UP
- ROUND DUCT DOWN
- FLEXIBLE DUCTWORK - MAX 5'
- RIGID DUCT RUNOUT
- 90° ELBOW WITH TURNING VANES
- PIPE TURNING UP
- PIPE TURNING DOWN
- 90° ELBOW
- 45° ELBOW
- TEE
- TEE UP
- TEE DOWN
- CONDENSATE DRAIN LINE
- SANITARY DRAIN BELOW GRADE
- GREASE SANITARY DRAIN BELOW GRADE
- SANITARY DRAIN ABOVE GRADE
- GREASE SANITARY DRAIN ABOVE GRADE
- SANITARY VENT
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC HOT WATER RECIRC
- WATER SERVICE PIPING
- FIRE PROTECTION PIPING
- NATURAL GAS
- UNION
- BALL VALVE
- CHECK VALVE
- STRAINER
- GAS COCK
- SOLENOID VALVE
- PRESSURE REDUCING VALVE
- CONNECT TO EXISTING

SYMBOL MODIFICATION DESIGNATORS/ABBREVIATIONS

OA	OUTDOOR AIR
RA	RETURN AIR
SA	SUPPLY AIR
MC	MECHANICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
GC	GENERAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BG	BELOW GRADE
FG	FINISHED GRADE
FFCO	FINISH FLOOR CLEAN OUT
FWCO	FINISH WALL CLEAN OUT
FGCO	FINISH GRADE CLEAN OUT
UNO	UNLESS NOTED OTHERWISE

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF INDOOR UNIT SCHEDULE

Tag Reference	Room Name	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F)	Heating Design Entering Temp DB/WB (°F)	Corrected Capacity					Estimated Cooling Coil LAT (°F)	Estimated Heating Coil LAT (°F)	Refrig Pipe Dim Liquid/Suction (inch)	Fan Speed Setting	Peak Fan Airflow (cfm)	Max Fan ESP Setting 208V/230V (IN WG)	Voltage / Phase	Electrical MCA/MFS	Notes / Options
								Cooling Diversity Full/Partial (See Note 5, 6)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Diversity Full/Partial	Heating Capacity (BTU/h)									
IU-1-1	112 Infant Classroom	TPMFYP015BM140F	Ceiling Cassette (One-Way)	15,000	17,000	75.0/64.0	70	PARTIAL DEMAND	13,750.3	8,805.5	FULL DEMAND	11,015.3	52.4	98.0	1/4 / 1/2	HIGH	378		208-230V/1-phase	0.33/15	1, 2, 3, 4
IU-1-2	112 Infant Classroom	TPMFYP015BM140F	Ceiling Cassette (One-Way)	15,000	17,000	75.0/64.0	70	PARTIAL DEMAND	13,750.3	8,805.5	FULL DEMAND	11,015.3	52.4	98.0	1/4 / 1/2	HIGH	378		208-230V/1-phase	0.33/15	1, 2, 3, 4
IU-1-3	112 Infant Classroom	TPMFYP015BM140F	Ceiling Cassette (One-Way)	15,000	17,000	75.0/64.0	70	PARTIAL DEMAND	13,750.3	8,805.5	FULL DEMAND	11,015.3	52.4	98.0	1/4 / 1/2	HIGH	378		208-230V/1-phase	0.33/15	1, 2, 3, 4
IU-1-4	125 Toddler Classroom	TPMFYP015BM140F	Ceiling Cassette (One-Way)	15,000	17,000	75.0/64.0	70	PARTIAL DEMAND	13,750.3	8,805.5	FULL DEMAND	11,015.3	52.4	98.0	1/4 / 1/2	HIGH	378		208-230V/1-phase	0.33/15	1, 2, 3, 4
IU-1-5	125 Toddler Classroom	TPMFYP015BM140F	Ceiling Cassette (One-Way)	15,000	17,000	75.0/64.0	70	PARTIAL DEMAND	13,750.3	8,805.5	FULL DEMAND	11,015.3	52.4	98.0	1/4 / 1/2	HIGH	378		208-230V/1-phase	0.33/15	1, 2, 3, 4
IU-1-6	122 Hallway	TPMFYP015BM140F	Ceiling Cassette (One-Way)	15,000	17,000	75.0/64.0	70	PARTIAL DEMAND	13,750.3	8,805.5	FULL DEMAND	11,015.3	52.4	98.0	1/4 / 1/2	HIGH	378		208-230V/1-phase	0.33/15	1, 2, 3, 4
IU-1-7	107 Meeting	TPMFYP006BM140F	Ceiling Cassette (One-Way)	6,000	6,700	75.0/64.0	70	PARTIAL DEMAND	5,500.1	4,576.4	FULL DEMAND	4,341.3	60.5	83.6	1/4 / 1/2	HIGH	307		208-230V/1-phase	0.25/15	1, 2, 3, 4
IU-1-8 (BASE BID ONLY)	103 Reception	TPMFYP015BM140F	Ceiling Cassette (One-Way)	15,000	17,000	75.0/64.0	70	PARTIAL DEMAND	13,750.3	8,805.5	FULL DEMAND	11,015.3	52.4	98.0	1/4 / 1/2	HIGH	378		208-230V/1-phase	0.33/15	1, 2, 3, 4
IU-1-9 (BASE BID ONLY)	102 Office	TPMFYP008BM140F	Ceiling Cassette (One-Way)	8,000	9,000	75.0/64.0	70	PARTIAL DEMAND	7,333.5	5,625.4	FULL DEMAND	5,831.6	58.4	87.1	1/4 / 1/2	HIGH	328		208/230V/1-phase	0.25/15	1, 2, 3, 4
IU-1-8 - ALT (ALT. #1 ONLY)	103 Reception	TPKFYP024KM142A	Wall -Mounted	24,000	27,000	75.0/64.0	70	PARTIAL DEMAND	22,000.4	17,685.9	FULL DEMAND	17,365.9	56.3	88.2	3/8 / 5/8	HIGH	918		208/230V/1-phase	0.63/15	1, 2, 3, 4
IU-2-1	127 Gross Motor Skills	TPVFYP030AM141A	Muli-Position Air Handler	30,000	34,000	75.0/64.0	70	PARTIAL DEMAND	27,822.4	19,983.7	FULL DEMAND	24,393.2	52.8	96.8	3/8 / 5/8	HIGH	875	0.3/0.5/0.8	208/230V/1-phase	4.13/4.13/15	1, 2, 3, 4
IU-2-2	127 Gross Motor Skills	TPVFYP030AM141A	Muli-Position Air Handler	30,000	34,000	75.0/64.0	70	PARTIAL DEMAND	27,822.4	19,983.7	FULL DEMAND	24,393.2	52.8	96.8	3/8 / 5/8	HIGH	875	0.3/0.5/0.8	208/230V/1-phase	4.13/4.13/15	1, 2, 3, 4
IU-2-3	142 Hallway	TPMFYP012BM140F	Ceiling Cassette (One-Way)	12,000	13,500	75.0/64.0	70	PARTIAL DEMAND	11,129.0	7,300.0	FULL DEMAND	9,685.5	53.4	98.4	1/4 / 1/2	HIGH	328		208/230V/1-phase	0.26/15	1, 2, 3, 4
IU-2-4	143 Toddler Classroom	TPEFYP027MA144A	Ceiling-Concealed (Ducted)	27,000	30,000	75.0/64.0	70	PARTIAL DEMAND	25,040.2	18,601.2	FULL DEMAND	21,523.4	54.6	93.4	3/8 / 5/8	HIGH	883	0.6/0.6	208/230V/1-phase	2.88/15	1, 2, 3, 4
IU-2-5	156 Toddler Classroom	TPEFYP027MA144A	Ceiling-Concealed (Ducted)	27,000	30,000	75.0/64.0	70	PARTIAL DEMAND	25,040.2	18,601.2	FULL DEMAND	21,523.4	54.6	93.4	3/8 / 5/8	HIGH	883	0.6/0.6	208/230V/1-phase	2.88/15	1, 2, 3, 4
IU-2-6	158 Preschool Classroom	TPVFYP054AM141A	Muli-Position Air Handler	54,000	60,000	75.0/64.0	70	PARTIAL DEMAND	50,080.4	33,919.9	FULL DEMAND	43,046.8	52.8	97.9	3/8 / 5/8	HIGH	1485	0.3/0.5/0.8	208/230V/1-phase	5.63/5.63/15	1, 2, 3, 4
IU-2-7	149 Hallway	TPMFYP015BM140F	Ceiling Cassette (One-Way)	15,000	17,000	75.0/64.0	70	PARTIAL DEMAND	13,911.2	8,881.0	FULL DEMAND	12,196.6	52.2	101.0	1/4 / 1/2	HIGH	378		208-230V/1-phase	0.33/15	1, 2, 3, 4
IU-3-1	B02 OFFICE	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-2	B03 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-3	B04 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-4	B08 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-5	B14 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-6	B16 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-7	B22 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-8	B23 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-9	B29 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-10	B31 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-11	B37 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-12a	B38 Office	TPKFYP012LM140A	Wall -Mounted	12,000	13,500	75.0/64.0	70	PARTIAL DEMAND	11,000.2	7,397.6	FULL DEMAND	9,435.3	50.8	100.5	1/4 / 1/2	HIGH	297		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-12b	B38 Office	TPKFYP012LM140A	Wall -Mounted	12,000	13,500	75.0/64.0	70	PARTIAL DEMAND	11,000.2	7,397.6	FULL DEMAND	9,435.3	50.8	100.5	1/4 / 1/2	HIGH	297		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-13	B39 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-14	B41 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-15	Basement Hall	TPKFYP008LM140A	Wall -Mounted	8,000	9,000	75.0/64.0	70	PARTIAL DEMAND	7,333.5	5,076.6	FULL DEMAND	6,290.2	54.2	95.5	1/4 / 1/2	HIGH	237		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-16	B42 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-17	B43 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-18	B47 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-19	B48 Office	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-20	B49 Office	TPKFYP006LM140A	Wall -Mounted	6,000	6,700	75.0/64.0	70	PARTIAL DEMAND	5,500.1	3,874.5	FULL DEMAND	4,682.7	55.3	93.6	1/4 / 1/2	HIGH	191		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4
IU-3-21	B51 Kitchenette	TPKFYP004LM140A	Wall -Mounted	4,000	4,500	75.0/64.0	70	PARTIAL DEMAND	3,666.7	2,639.2	FULL DEMAND	3,145.1	57.7	90.4	1/4 / 1/2	HIGH	148		208/230V/1-phase	0.24/0.24/15	1, 2, 3, 4

Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.
5 Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system.
Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply.
It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.
6 It is recommended to always base heating corrected capacity on full demand.

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF OUTDOOR UNIT SCHEDULE

Tag Reference	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Efficiency IEER/EER	Heating COP @ 47°F	Nom System Connected Capacity (% of NOM)	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Electrical-Per Module				Notes / Options
												208/230				
												Voltage / Phase	MCA 208/230	RFS	MOCP	
HP-1	TURYE1203AN40AN	P120	120,000	135,000	27.55 / 13.2	3.875	99.2 %	103.0	-10.0	102,088.8	87,279.7	208/230V / 3-phase 3-wire	41/38	60/60	60/60	1, 2, 3, 4, 5
HP-2	TURYE2163BN40AN	P120, P96	216,000	243,000	27.5 / 12.85	3.725	90.3 %	103.0	-10.0	196,346.8	156,762.2	208/230V / 3-phase 3-wire	41/38, 31/29	60/60, 45/45	60/60, 45/45	1, 2, 3, 4, 5
HP-3	TURYE1203AN40AN	P120	120,000	135,000	27.55 / 13.2	3.875	91.7 %	103.0	-10.0	102,374.0	86,455.5	208/230V / 3-phase 3-wire	41/38	60/60	60/60	1, 2, 3, 4, 5

Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

Tag Reference	M-NET Address	Model Number	Type (double / Main / Sub)	Number of Ports	Connected Capacity to BC	Voltage / Phase	MCA 208/230	Notes / Options
BC-1	52	TCMBM1012JA1 1N4BV	Main	12	119,000.0	208/230V/1-phase		1
BC-2	62	TCMBM0108JA1 1N4BV	Main	8	195,000.0	208/230V/1-phase		1
BC-3a	68	TCMBM1016JA1 1N4BV	Main	16	110,000.0	208/230V/1-phase		1
BC-3b	83	TCMBS0108KB1 1N4	Sub	8	26,000.0	208/230V/1-phase		1

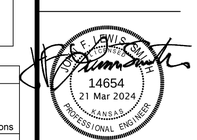
Notes & Options:
1 Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.
2 For sub BC controller CMB-P-NU-GB1 or -GB, the total connectable indoor unit capacity can be 126,000 BTUs or less. If two sub BC controllers are used, the total indoor unit capacity connected to BOTH sub BC controllers also cannot exceed 126,000 BTUs. For sub BC controller CMB-P1016NU-HB1 the total connectable indoor unit capacity can be 126,000 BTUs or less. However, if two sub controllers are used, and one of them is CMB-1016NU-HB1, the total indoor unit capacity connected to BOTH sub controllers must NOT exceed 168,000 BTUs.

LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056 March 2024

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
785.827.0386
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
HILLSBORO, KANSAS



REVISION:

DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

M6.2

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DIAGRAM SYMBOL LEGEND		CONT.No	PAGE
DISPLAY	DESCRIPTION		
——///——	POWER WIRE		
———————	CONTROL WIRE		
———————	REF. PIPE		

CITY MULTI

SYSTEM SCHEMATIC DWG.

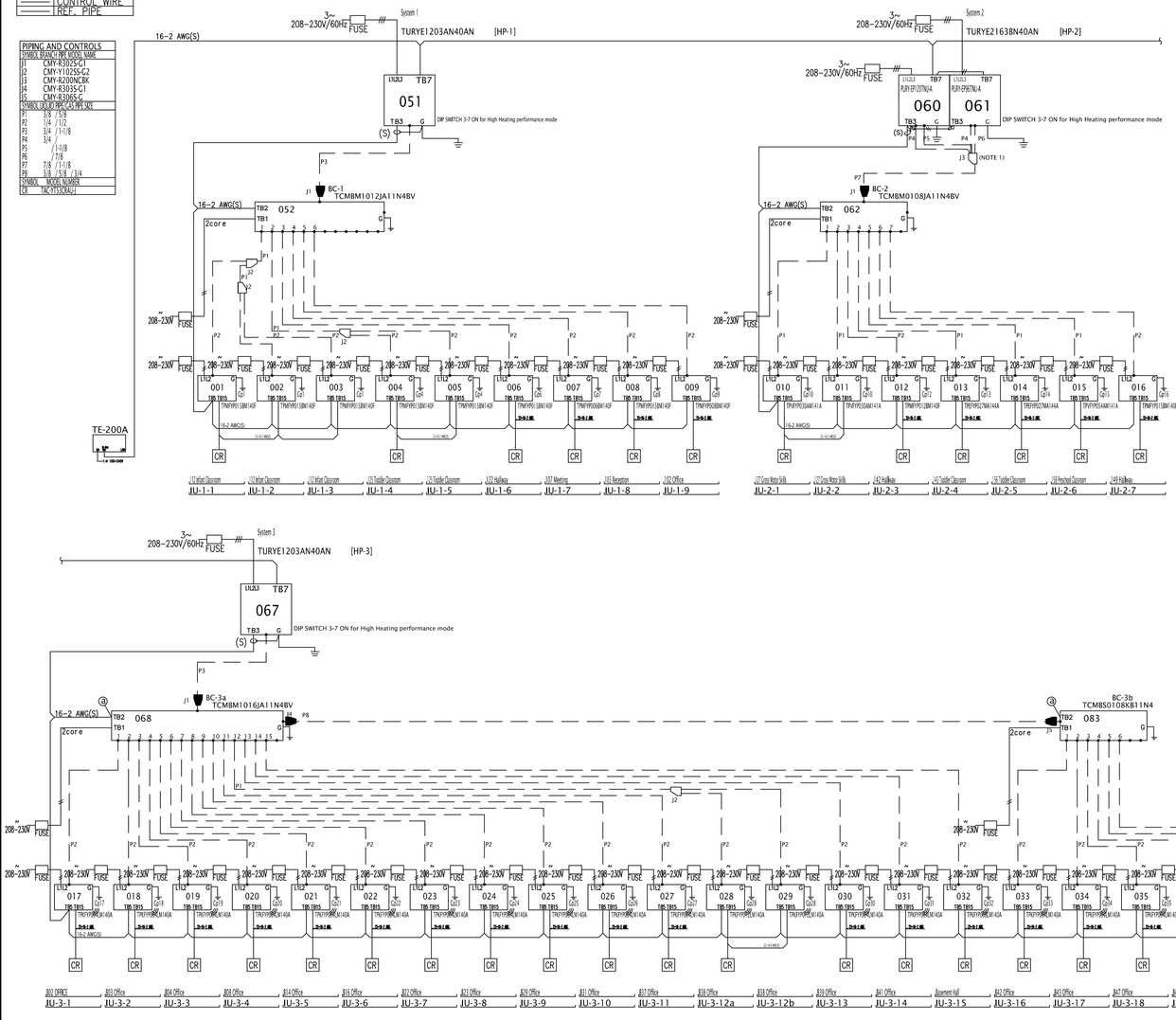
This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record

Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.

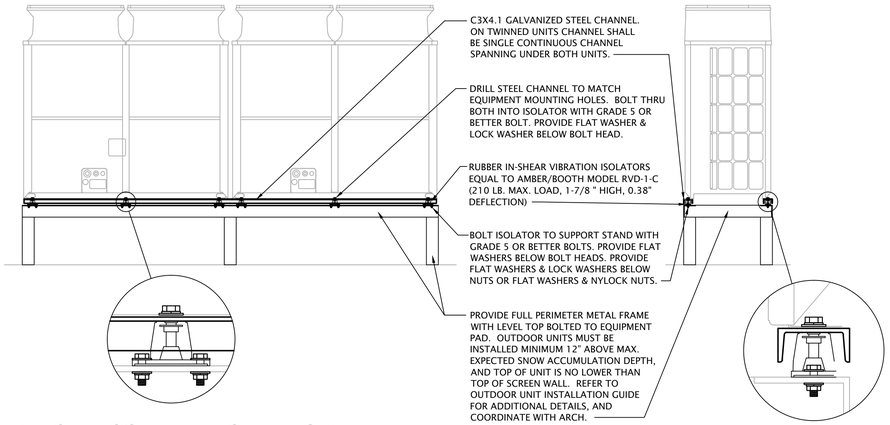
1.25mm²(16 AWG) : 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG) : between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

Coded Notes:
NOTE 1: Install twinning Y's within 15 degrees of level and with 20 inches of straight pipe on converging connection - reference installation manual for additional details including but not limited to special trapping requirements when twinning, and pipe slope requirements

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-R3025-G1
J2	CMY-Y100SS-C2
J3	CMY-R200NCBK
J4	CMY-R303S-G1
J5	CMY-R308S-G
SYMBOL	LIQUID PIPE DIA PIPE SIZE
P1	3/8 / 5/8
P2	1/4 / 1/2
P3	3/4 / 1-1/8
P4	3/4 / 1-1/8
P5	/ 1-1/8
P6	/ 7/8
P7	7/8 / 1-1/8
P8	3/8 / 5/8 / 3/4
SYMBOL	MODEL NUMBER
CR	TAC-11T2S-RAU1

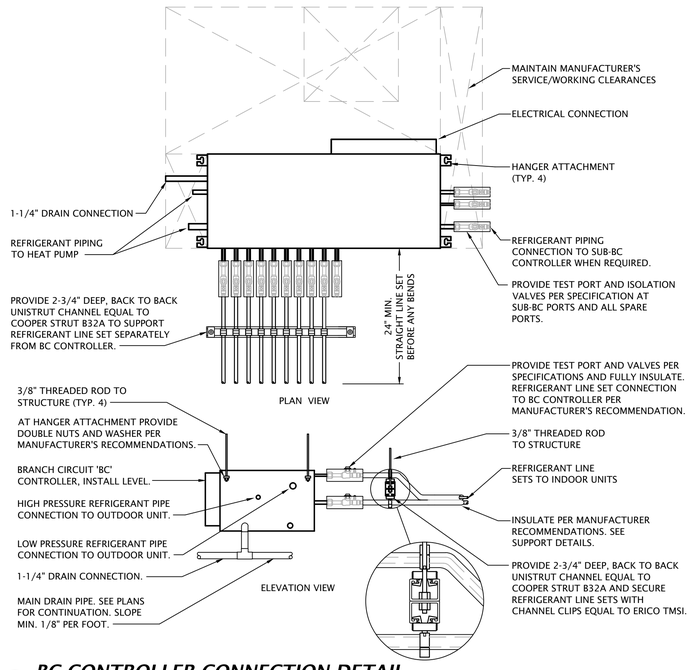


5 VRF DIAGRAM



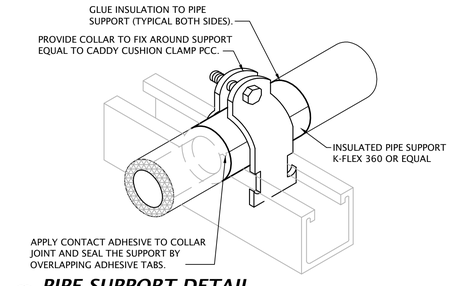
4 VRF OUTDOOR UNIT MOUNTING DETAIL

NO SCALE



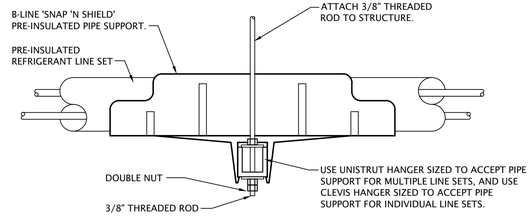
3 BC CONTROLLER CONNECTION DETAIL

NO SCALE



2 PIPE SUPPORT DETAIL

NO SCALE



1 REFRIGERANT LINE SET SUPPORT DETAIL

NO SCALE

LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056

March 2024

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS



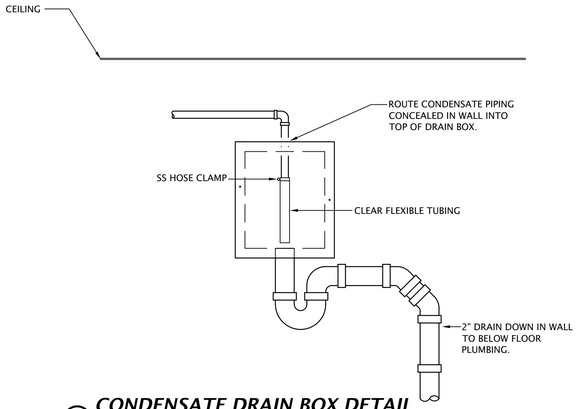
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DATE:	3-21-2024
JOB:	22-3225 RE
SHEET NO.:	

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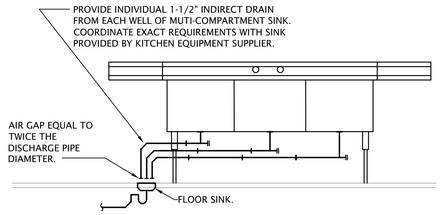
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LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

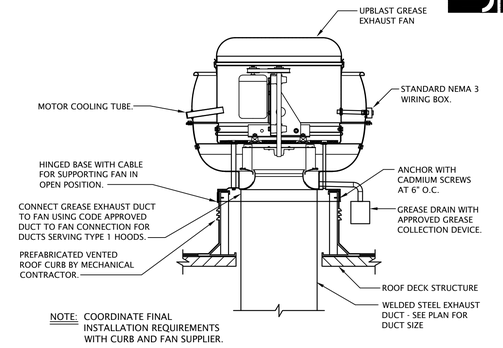
Project 23056 March 2024



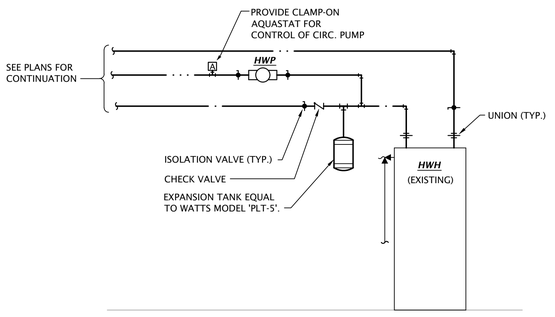
7 CONDENSATE DRAIN BOX DETAIL
NO SCALE



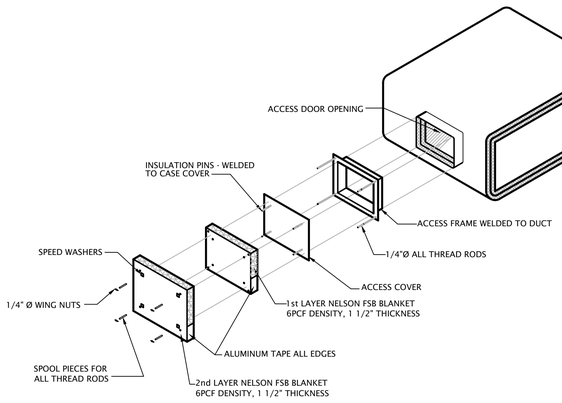
6 MULTI-COMPARTMENT SINK DETAIL
NO SCALE



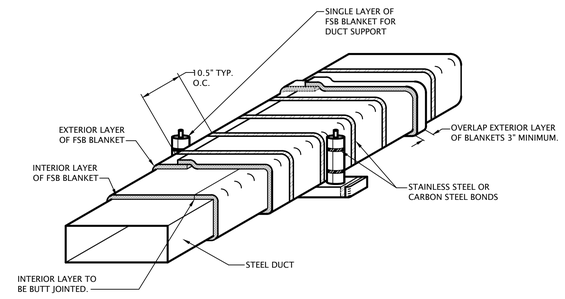
5 TYPICAL KITCHEN EXHAUST FAN DETAIL
NOT TO SCALE



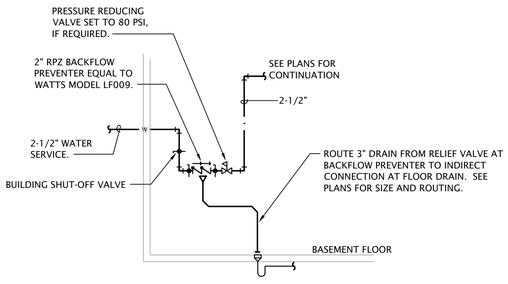
8 WATER HEATER PIPING DIAGRAM
NO SCALE



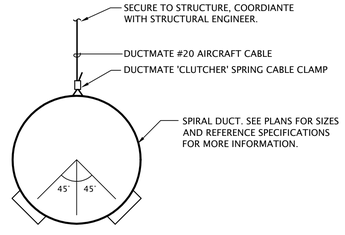
4 FSB DUCT INSULATION
NO SCALE



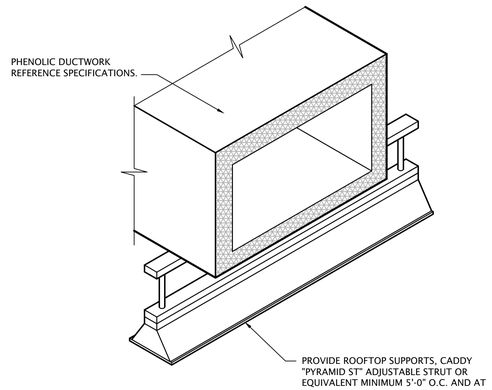
3 FSB DUCT INSULATION
NO SCALE



9 DOMESTIC WATER SERVICE DETAIL
Not to Scale



2 EXPOSED SPIRAL DUCT DETAIL
NO SCALE



1 EXTERIOR DUCT INSTALLATION DETAIL
NO SCALE

JonesGillamRenz
JGR
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
HILLSBORO, KANSAS

JEFFREY L. SMITH 14654 21 Mar 2024 KANSAS PROFESSIONAL ENGINEER

REVISION:

DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

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LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056

March 2024

HOOD INFORMATION																			
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD RATING	EXHAUST						SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	COLLAR(S)					MUA CFM	AC CFM		
									QTY	WIDTH	LENGTH	DIA.	CFM	S.P.			
1	ITEM 15.1-KEH	XBEW-96-S	96	54	FRT 15 BACK 24	430 SS W/INSUL AIRGAP(S)	HEAVY	1880				14	1880	0.51	1504	264	SINGLE

HOOD INFORMATION															
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)							
		FIXTURE TYPE BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL MATERIAL	QTY	SIZE (IN.)		LOCATION	FIRE SYSTEM		CONTROLS			
							L	H		TYPE	SIZE	MODEL	INTERFACE		
1	ITEM 15.1-KEH	ROUND LED	2	72.57	BAFFLE STAINLESS STEEL	6	16	20							
						0	20		WALL	ANSUL R102	3	XHC			

SUPPLY PLENUM INFORMATION																	
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS					
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA	CFM	VEL
1	ITEM 15.1-KEH	FRONT	ASP	97	18	4	NO	YES	NO		1504	0.01	MUA	FACTORY	2	16	30		752	226

HOOD OPTIONS

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R29525
HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES
BACK INTEGRAL AIR SPACE - 3 IN WIDE - ZERO CLEARANCE
LEFT NON-INTEGRAL AIR SPACE - 1 IN THICK - ZERO CLEARANCE
18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED
FACTORY MOUNTED EXHAUST COLLAR(S)
WALL UTILITY CABINET 24 IN HIGH 36 IN LONG 12 IN WIDE
HOOD FRONT IS TAPERED (FOR LOW CEILING APPLICATIONS)
BACKSPLASH 80.00 IN HIGH 97.00 IN LONG
LEFT SIDESPLASH 80.00 IN HIGH 45.00 IN LONG
RIGHT SIDESPLASH 103.00 IN HIGH 18.00 IN LONG
PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH

MARK: Item 15.1-KEH - SECTION 1
PLAN VIEW

MARK: Item 15.1-KEH - SECTION 1
ELEVATION VIEW

MARK: Item 15.1-KEH
SECTION VIEW

ACCUREX KS NE WESTERN MO - 2487
BEN OBRIEN
BEN.OBRIEN@ACUREX.COM
(816)888-9742

PROJECT 1113-2003
HILLSBORO CHILD DAYCARE R2
MARK
ITEM 15.1-KEH

ACCUREX

EQUIPMENT SCHEDULE																			
Tempered Make-Up Air Unit														Mark: Item 15.4-MUA					
TAG	Access Model		Marine		Corrosion Kit	Total BP	MCA	MOP	Weight	AUCR									
1	MDQD-P118-040-UPD		1.5kW CPW		0.97 in. H2O	1.96 in. H2O	8.9	15	400 lb.	Std.									
Motor Information																			
Size	VFD*		Enclosure		Motor with Shaft Grounding		Motor RPM		Operating Power										
7.5 hp	208/60/3		ODP		Yes		1725		6.75 hp										
Heating																			
Type	Fire Tube	Temperature			Energy				Connected Gas (Hp)	Modulating Heating	Control Method	Duty Cycle/Heating Min	Duty Cycle/Heating Max						
		Ambient DB	Mixed Air	Entering Air	Input	Output	Efficiency												
Stock	Natural	0 F	57 F	70 F	400 MBH	320 MBH	80%		3/4"	10:1 PG	Digital Modulating	10%	100%						
Model Sound Power By Octave Band																			
63 Hz	125	250	500	1k	2k	4k	8k							Lwa	dBA	Sones			
92.2	78.4	79.2	77.5	72.8	67.5	63.9	57.7							84	77	11.4			
* Variable frequency drive (VFD) provided by others. Must be compatible with Accurex equipment.																			

OPTIONS AND ACCESSORIES

Air Flow Arrangements Outdoor Air Only
Weatherhood: Aluminum Mesh, 16x20x2 - (2)
Filters: MERV 8
Cabinet Air Intake Position: End
Cabinet Air Intake Size: Standard
Cooling: Galvanized
Heating Section Material: Tempering On
Supply Fan Control: VFD
VFD Control: Constant Volume
Fan Motor Type: Standard
Unit Weight: 400 lb
Ducted Exhaust
Unit Control: Terminal
Unit Controls: Terminal Strip
Temperature Control: Discharge
Unit Controls: Remote Thermometer
Approvals: ETL
Fill Compliance
Ignition Control: Flame Rod
Ignition Control: Pilot
Unit Rated Gas Pressure: 10 PSI

NOTE: Roof Opening Requirements:

Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides.
For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb.
For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.

NOTE: The weathehood and filter sections of the make-up air unit are not supported by the curb.
This is by design, in order to help alleviate water infiltration issues. MUA Unit supports are shipped loose with unit.

FOOTPRINT

ACCUREX KS NE WESTERN MO - 2487
BEN OBRIEN
BEN.OBRIEN@ACUREX.COM
(816)888-9742

PROJECT 1113-2003
HILLSBORO CHILD DAYCARE R2
MARK
ITEM 15.4-MUA

ACCUREX

Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION				
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS
1	Item 15.3-KEF	XCUE-140-VG	1,880	1.01	1,481	0.61	88	0.75	115/60/1	OP	1550	1

Item 15.3-KEF - SELECTED OPTIONS AND ACCESSORIES
One piece fully welded winband
Tapered bushing wheel hub
Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)
Min. winband material thickness: 0.057" aluminum (060-240), 0.064" aluminum (240HP, 240XP),
0.080" aluminum (sizes 300-480)
Larger Curb Cap Size - 26 Square
UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)
Switch, NEMA-3R, Toggle,
Hinge, Factory Installed
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
Grease Trap (PN 475538)
Conduit Chase Qty 1

DUCT TYPE	SIZE
STANDARD	18 SQ
FIRE-WRAPPED	12 SQ

DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB.
CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON
MOTOR, ADAPTER, ANDIOR HINGE BASE.

ACCUREX KS NE WESTERN MO - 2487
BEN OBRIEN
BEN.OBRIEN@ACUREX.COM
(816)888-9742

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HILLSBORO CHILD DAYCARE R2
MARK
ITEM 15.3-KEF

ACCUREX

FIRE SYSTEM INFORMATION						
MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
ITEM 15.2-KFS	ANSUL R-102 WET CHEMICAL	WALL CABINET – ON ITEM 15.1-KEH	6 UTILIZED 11 AVAILABLE		CONTINUOUS	FUSIBLE LINK	ITEM 15.1-KEH SECTION 1

FIRE SYSTEM OPTIONS AND ACCESSORIES

FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED
METAL BLOW-OFF CAPS - INCLUDED
GAS VALVE – INCLUDED - MECHANICAL SHUTOFF VALVE, 2", (ANSUL) - PART# ANSULMECHSHUTOFFVALVE200
HOOD SUPPRESSION TANK - INCLUDED - 3 GAL. - [(1) 3.0 TANK(S)]
REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS

ANSUL R102 (WET CHEMICAL) FIRE PROTECTION SYSTEM - MODEL FSSC

NOTES:

WET CHEMICAL FIRE PROTECTION SYSTEM TO BE ANSUL R-102, DESIGNED IN ACCORDANCE WITH UL 300 AND NFPA 17A.
VERIFICATION OF ALL COOKING EQUIPMENT MAKE, MODEL AND LOCATION SHALL BE MADE BY SYSTEM DESIGN ENGINEER.
ALL FIRE SYSTEM PIPING IS STANDARD 0.75" FOR RIGHT END OF THE HOOD UNLESS A WALL IS LOCATED ON THE RIGHT END.
ALL FIRE SYSTEM PIPING IS 1" FOR LEFT END (LONG END OF HOOD).

THE BASIC FIRE SYSTEM WILL INCLUDE THE FOLLOWING:
GAS SHUT-OFF VALVE, IF REQUIRED, TO BE SUPPLIED BY MANUFACTURER (GF
ELECTRIC SHUT-OFF DEVICE FOR ELECTRIC COOKING EQUIPMENT (GRAVITY
MICRO SWITCH TO BE SUPPLIED BY MANUFACTURER FOR CONNECTION TO,
BUT NOT LIMITED TO, BUILDING ALARM SYSTEMS), EXHAUST AND SUPPLY FANS
SHUT-OFF CONTROL (WHERE REQUIRED). ALL ELECTRICAL WIRING AND CONNECTION TO BE PERFORMED BY A LICENSED ELECTRICIAN.

THE BASIC FIRE SYSTEM DOES NOT INCLUDE THE FOLLOWING:
ANY ITEMS NOT SPECIFICALLY LISTED IN THE ANSUL R-102 SYSTEM MANUAL, OR TO SATISFY A DOOR OR LOCAL CODE. PERMIT AND TESTING FEES ARE NOT INCLUDED UNLESS NOTED UNDER THE EQUIPMENT SCHEDULE FOR THIS SYSTEM.
LABOR THEN THAT THAT IS TO THE JOBSITE OR SPECIAL TRANSPORTATION, OR LABOR PERFORMED OUTSIDE OF NORMAL WORKING HOURS, NORMAL TRAVEL DISTANCE IS FIRST 50 MI. (80.5 KM) FROM OFFICE.
ANY SPECIAL EQUIPMENT OR ADDITIONAL LABOR FOR ACCESS TO SECURITY SENSITIVE AREAS.
INSTALLATION OF GAS SHUT-OFF VALVE.
ANY ITEMS NOT SPECIFICALLY REQUIRED BY STATE OR LOCAL CODE. PLAN EXAMINATION FEES, OR UL/FM APPROVAL ASSIST.
ANY ITEMS NOT SPECIFICALLY LISTED IN THIS QUOTE OR MAJOR REQUIRED FOR FINAL FIELD HOOK-UP.
ANY ITEMS NOT SPECIFICALLY COMPLIMENTS/CHANGES REQUIRED TO SHUT DOWN EMAL SHUT OFF DEVICE FOR ELECTRIC COOKING EQUIPMENT (GRAVITY TRIP BREAKER), OR ACTUATE AN ALARM SYSTEM, ETC.
ANY ITEMS NOT SPECIFICALLY LISTED IN THIS QUOTE FOR ACCESS TO THE FIRE SUPPRESSION PIPING LOCATED ON THE TOP OF THE HOOD.
ANY ITEMS NOT SPECIFICALLY LISTED FOR REMOTE PULL STATION OR GAS VALVE PULLEY MOUNTED PULL STATION.
ANY ITEMS NOT SPECIFICALLY LISTED FOR REMOTE PULL STATIONS OR BETHADS GREATER THAN 60 FT. (18.3m).
PARTS OR LABOR REQUIRED TO CORRECT PIPING DUE TO COOKING EQUIPMENT BEING MOVED AFTER THE SYSTEM HAS BEEN INSTALLED FOR SERVICE OR ADDITIONAL PARTS OTHER THEN THOSE INDICATED ON THE FIRE SUPPRESSION DETAIL.

NOTES:
1. ——— DENOTES FIELD INSTALLATION.
2. ——— DENOTES FACTORY INSTALLATION.
3. DO NOT USE BLACK WIRE ON SHUT-OFF DEVICE IN ORDER TO AVOID CONFUSION WITH POWER WIRING. USE ONLY NON-PAINTED HANDLE (LONG, LEAT ONLY) TYPE.

ACCUREX KS NE WESTERN MO - 2487
BEN OBRIEN
BEN.OBRIEN@ACUREX.COM
(816)888-9742

PROJECT 1113-2003
HILLSBORO CHILD DAYCARE R2
MARK
ITEM 15.2-KFS

ACCUREX

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

REVISION:

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LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042

WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696

www.LSTengineers.com
mail@LSTengineers.com

Project 23056 March 2024

CONTROL INFORMATION

MARK	ELECTRICAL CONTROL PACKAGE		USER INTERFACE		FANS CONTROLLED										
	MODEL	LOCATION	TYPE	LOCATION	FAN #	TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
ITEM 15.5-KEC	XKC-CV-S-11-1-1-0	WALL CABINET ON ITEM 15.1-KEH	FULL COLOR TOUCHSCREEN	HOOD - FACE MOUNT RIGHT END OF ITEM 15.1-KEH SECTION 1	1	EXHAUST	E1	ITEM 15.3-KEF	1	1880	0.75	115	60	1	NO	NO
					2	SUPPLY	S1	ITEM 15.4-MUA	1	1504	1.5	208	60	3	NO	NO

CONTROL FEATURES

HOOD LIGHT CONTROL
TEMP SENSORS (FACTORY INSTALLED) - QTY. 1
DRY FIRE CONTACTS - QTY. 2
LIGHTS OFF DURING FIRE
EXHAUST MAX DURING FIRE
SUPPLY OFF DURING FIRE

ACCUREX

DOC NUMBER: — REV: —

CAUTION
VAV MUST BE CONFIGURED IN ACCORDANCE WITH ACCUREX MANUAL AND SET UP BY SPEC.

ATTENTION
CONTROL CUT OUTS ARE ALL THREE (3) DIFFERENT AUTO RESET CUT OUTS. ALL MONITORED BY ACCUREX CONTROLLER.

COMMERCIAL APPLIANCE OUTLET CENTER
ELECTRICAL RATINGS: 115 VAC/1 PHASE, 50 -60HZ, 15A
BASE FILE #E209618, ML FILE #E313951

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THIS HOOD IS NOT INTENDED OR DESIGNED OR SOLD FOR INSTALLATION OVER ANY SOLID FUEL BURNING APPLIANCE. SOLID FUEL BURNING APPLIANCES INCLUDE, BUT ARE NOT LIMITED TO, WOOD, COAL, CHARCOAL, PELLETS, CORN, AND SIMILAR VEGETATIVE MATERIALS. SOLID FUEL BURNING APPLIANCES ALSO INCLUDE, BUT ARE NOT LIMITED TO, FIREPLACES, WOOD-BURNING STOVES, PELLET-BURNING APPLIANCES, AND SIMILAR APPLIANCES.

WIRING DIAGRAM CODE: WDC#
JOB NAME: HILLSBORO CHILD DAYCARE R2
MODEL: XKC-CV-S-11-1-1-0
SERIAL NUMBER: WDSN#
MARK: ITEM 15.5-KEC

POWER WIRING FOR KITCHEN CONTROLS
(WIRING TO BE DONE BY ELECTRICIAN)

POWER WIRING FROM BREAKER PANEL DIRECT TO FANS
(WIRING TO BE DONE BY ELECTRICIAN)

CONTROL WIRING FOR KITCHEN CONTROLS
(WIRING TO BE DONE BY ELECTRICIAN, IF NO CONTROLS CONTRACTOR)
USE 18-22GA WIRE UNLESS SPECIFIED.)

*FIRE SYSTEM DRY CONTACT WIRING EXAMPLES:

**WHEN FIRE SYSTEM IS ARMED, FS-C TO FS-NC SHOULD HAVE CONTINUITY

CABINET DETAILS

DRAWING NOT TO SCALE

MOUNTING LOCATION:
WALL MOUNT UTILITY CABINET
(INNER CONTROL BOX: 12" X 20 X 6)

NOTES:
1) WHEN CONTROLS ARE MOUNTED IN HOOD-MOUNTED OR WALL-MOUNTED UTILITY CABINET FOR HOOD OR WALL CABINET DIMENSIONS SEE HOOD SUBMITTAL.

2) MINIMUM OF 36" OF CLEARANCE RECOMMENDED IN FRONT OF CONTROL CABINET

USER INTERFACE DETAILS

MOUNTING TYPE:
FACTORY MOUNTED:
FACE MOUNT RIGHT SIDE OF HOOD

USER INTERFACE CONTROL
FANS AND LIGHTS

INTERFACE CABLE LENGTH:
50FT (FACTORY PROVIDED)

ZONE CONFIGURATION

ZONE #	ZONE	ROOM TEMP
1	Z1	PRESET

HOOD CONFIGURATION

HOOD #	HOOD	HOOD NAME	ZONE	EXHAUST	SUPPLY	MB TEMP SENSORS	VCB
1	H1	ITEM 15.1-KEH SECTION 1	Z1	E1	S1	TS1	NO

FAN CONFIGURATION

FAN #	TYPE	FAN	FAN NAME	ZONE	MIN CFM	MAX CFM	MODBUS VCB	VCI ADDRESS	MIN FREQ	MAX FREQ	MIN VDC	MAX VDC
1	EXHAUST	E1	ITEM 15.3-KEF	Z1	-	1880	NO	-	-	-	-	10.0
2	SUPPLY	S1	ITEM 15.4-MUA	Z1	-	1504	NO	-	-	-	-	10.0

WIRING DIAGRAM CODE: WDC#
JOB NAME: HILLSBORO CHILD DAYCARE R2
MODEL: XKC-CV-S-11-1-1-0
SERIAL NUMBER: WDSN#
MARK: ITEM 15.5-KEC
DOC NUMBER: — REV: —

DEFAULT SETTINGS
(DEMO PURPOSES ONLY)

FACTORY SETTINGS
CONFIGURATION: STANDARD
ZONES: 1
HOODS: 1
SUPPLY: 1
EXHAUST: FANS 1
MB TEMP: YES
MB RESIN SENSOR: NO
MB TEMP SENSORS: 2
VCB: NO VCB USED
HOOD RECIRCULATION: YES
FAN PROVING: NO
MAKE NONE

ZONE SETTINGS
ZONE 1 ROOM TEMP: ROOM IN TABLE ON LEFT

HOOD SETTINGS
HOOD 1 TEMP: ROOM IN TABLE ON LEFT

EXHAUST FAN SETTINGS
EXHAUST FAN OPERATION IN TABLE ON LEFT

SUPPLY FAN SETTINGS
SUPPLY FAN OPERATION IN TABLE ON LEFT

SENSOR SETTINGS
MB TEMP SENSOR IN TABLE ON LEFT

USER INTERFACE SETTINGS (MB)
ITEM 15.5-KEC SCREEN SAVER: NO

USER INTERFACE SETTINGS (VCB)
ITEM 15.5-KEC SCREEN SAVER: NO (DEPENDS)

USER INTERFACE SETTINGS (KEB)
NO

SENSORS SETTINGS
TEMP SENSOR TYPE: 10K

LIGHTS SETTINGS
LIGHTS ON/OFF: DAYLIGHT (DEFAULT)

CONSOLE SETTINGS
CONSOLE CONTROL: MAX
SUPPLY DURING FIRE: OFF
EXHAUST DURING FIRE: OFF

FAN SETTINGS
NA

PRE VERSION 1.4

ACCUREX 50 NE WESTERN AVE. - 2467
BENJAMIN OBRIEN
BENJAMIN.OBRIEN@ACCUREX.COM
(810)986-6742

ACCUREX

PROJECT	HILLSBORO CHILD DAYCARE R2
07/13/2023	
MARK	ITEM 15.5-KEC

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

REVISION:

DATE: 3–21–2024
JOB: 22–3225 RE
SHEET NO.:

M6.6

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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.

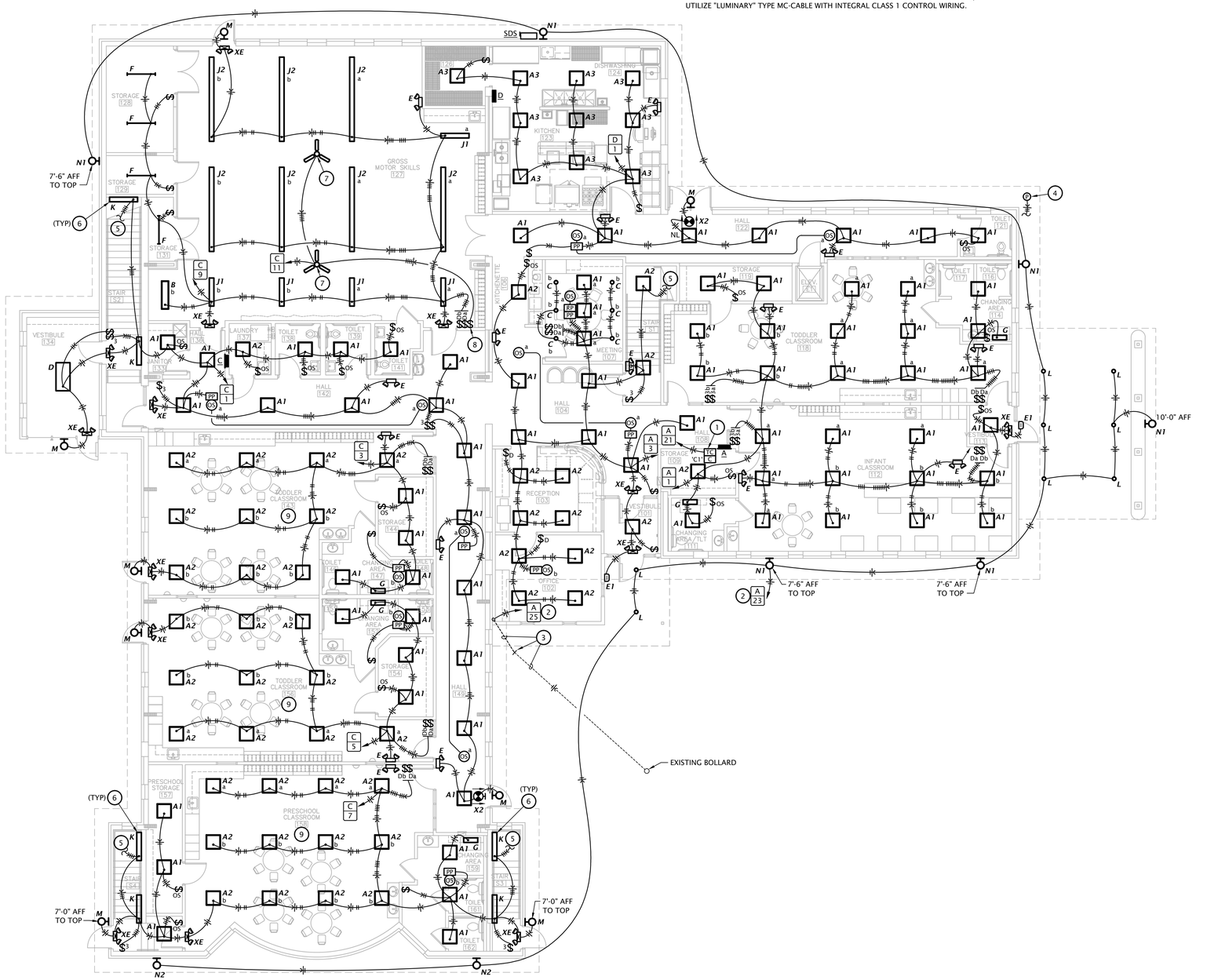
C. IN AREAS WHERE CEILING MOUNTED OCCUPANCY SENSORS ARE USED FOR LIGHTING CONTROL IN CONJUNCTION WITH WALL SWITCHES, OCCUPANCY SENSOR/POWER PACK SHALL BE WIRED UPSTREAM OF, AND IN SERIES WITH WALL SWITCHES TO PROVIDE OVERRIDE "OFF" CONTROL FOR LIGHTS.

D. WALL BOX DIMMER SWITCHES SHALL BE 120/277VAC, PRESET TYPE WITH SLIDER, 1200 WATT RATED, AND SHALL PROVIDE DIRECT DIMMING AND SWITCHING CONTROL OF 0-10 VDC DIMMING DRIVERS WITHOUT THE USE OF AN EXTERNAL POWER PACK. HUBBELL #PSD710-UNV OR EQUAL. COORDINATE COLOR OF DEVICES WITH ARCHITECT, AND PROVIDE COLOR CHANGE KIT AS REQUIRED (#PSDKIT-LL-##).

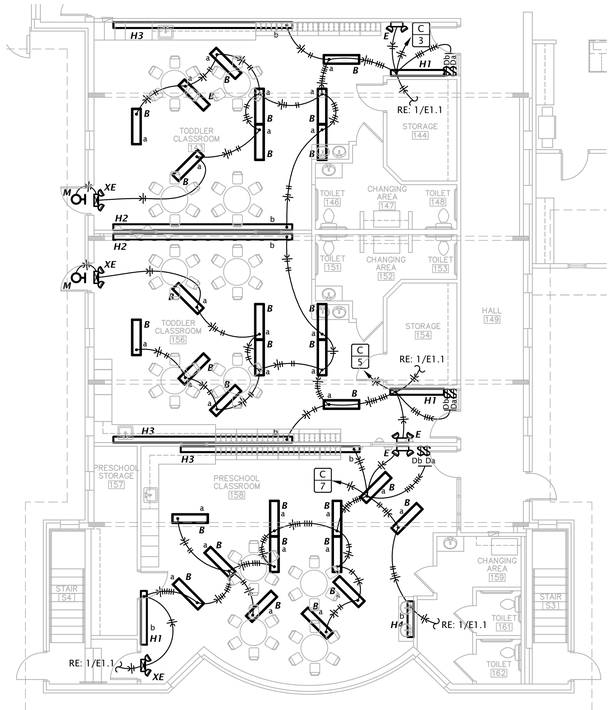
E. CONTROL WIRING FOR 0-10 V-dc DIMMING SIGNAL CIRCUITS SHALL BE NEC CLASS 1, ROUTED IN SAME RACEWAY/CABLE WITH LIGHTING CIRCUIT POWER CONDUCTORS. WIRING SHALL CONSIST OF (2) #16 SOLID CU THHN OR TFN CONDUCTORS. CONDUCTOR INSULATION COLOR SHALL BE VIOLET (+ V-dc) AND PINK (– V-dc). WHERE MC-CABLE IS USED FOR FINAL 6' POWER CONNECTION WHIP TO LUMINAIRE, UTILIZE "LUMINARY" TYPE MC-CABLE WITH INTEGRAL CLASS 1 CONTROL WIRING.

(#) LIGHTING PLAN NOTES BY SYMBOL

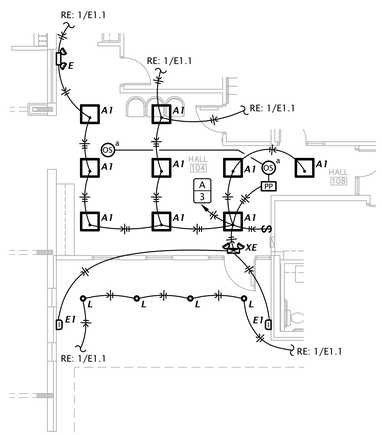
1. EXTERIOR LIGHTING CONTROL TIMECLOCK AND CONTACTOR. SEE 6/E6.1.
2. ROUTE CIRCUIT THROUGH CONTACTOR 'C1'. SEE DETAIL 6, SHEET E6.1.
3. INTERCEPT EXISTING BOLLARD LIGHTING CIRCUIT BELOW GRADE, ROUTE INTO BUILDING AND HOMERUN TO NEW PANEL 'A'.
4. MOUNT EXTERIOR PHOTOCELL TO UNDERSIDE OF SOFFIT, FACING NORTH. SEE DETAIL 6, SHEET E6.1.
5. CIRCUIT TO EXISTING 3-WAY SWITCH AT BOTTOM OF STAIRS.
6. MOUNT TYPE 'K' LUMINAIRES AT SAME HEIGHT/LOCATION AS DEMOLISHED LUMINAIRES.
7. PROVIDE 48"Ø COMMERCIAL 3-BLADE CEILING FAN, 3861 CFM, 120V, WHITE, WITH 48" DOWNROD; QMARK #48201C.
8. PROVIDE UNITARY REVERSIBLE AND SPEED CONTROL SWITCH COMPATIBLE WITH FAN, QMARK #CTL12004RSPD.
9. REFER TO 3/E1.1 FOR ADD ALTERNATE LIGHTING DESIGN FOR THIS ROOM.



1 FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"



3 LIGHTING PLAN - ALTERNATE #7
1/8" = 1'-0"



2 LIGHTING PLAN - ALTERNATE #1
1/8" = 1'-0"

LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056 March 2024

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com
785.827.0386

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
HILLSBORO, KANSAS

REVISION:

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E1.1

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MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

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March 2024

GENERAL POWER NOTES

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, CO_2 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.

D. AT THE LOCATION OF EACH INDOOR VRF CASSETTE UNIT AND BC CONTROLLER, PROVIDE 20A/2P SNAP SWITCH ABOVE CEILING AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT. AT THE LOCATION OF WALL MOUNTED VRF UNITS, INSTALL SWITCH ON WALL ADJACENT TO UNIT AND MAKE FINAL CONNECTION.

E. ALL RECEPTACLES INSTALLED BELOW 6'-0" AFF SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES.

KITCHEN EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

Tag #	Item Description	Voltage - Phase	Load (VA)	Type of Connection	Mounting Height (AFF)	Remarks
2	REACH-IN FREEZER	120V-1PH	1680	NEMA 5-20R	18"	.
6	DISHWASHER	208V-3PH	16560	HARDWIRED	12"	.
7.1	DISPOSER	208V-3PH	2376	HARDWIRED	18"	(1)
11	REACH-IN REFRIGERATOR	120V-1PH	650	NEMA 5-20R	18"	.
13	MICROWAVE OVEN	120V-1PH	1600	NEMA 5-20R	54"	.
16	HEATED HOLDING PROOFING CABINET	120V-1PH	2000	NEMA 5-20R	36"	.
17	GAS CONVECTION OVEN	120V-1PH	1176	NEMA 5-20R	36"	.
18	RANGE	120V-1PH	408	NEMA 5-20R	36"	.

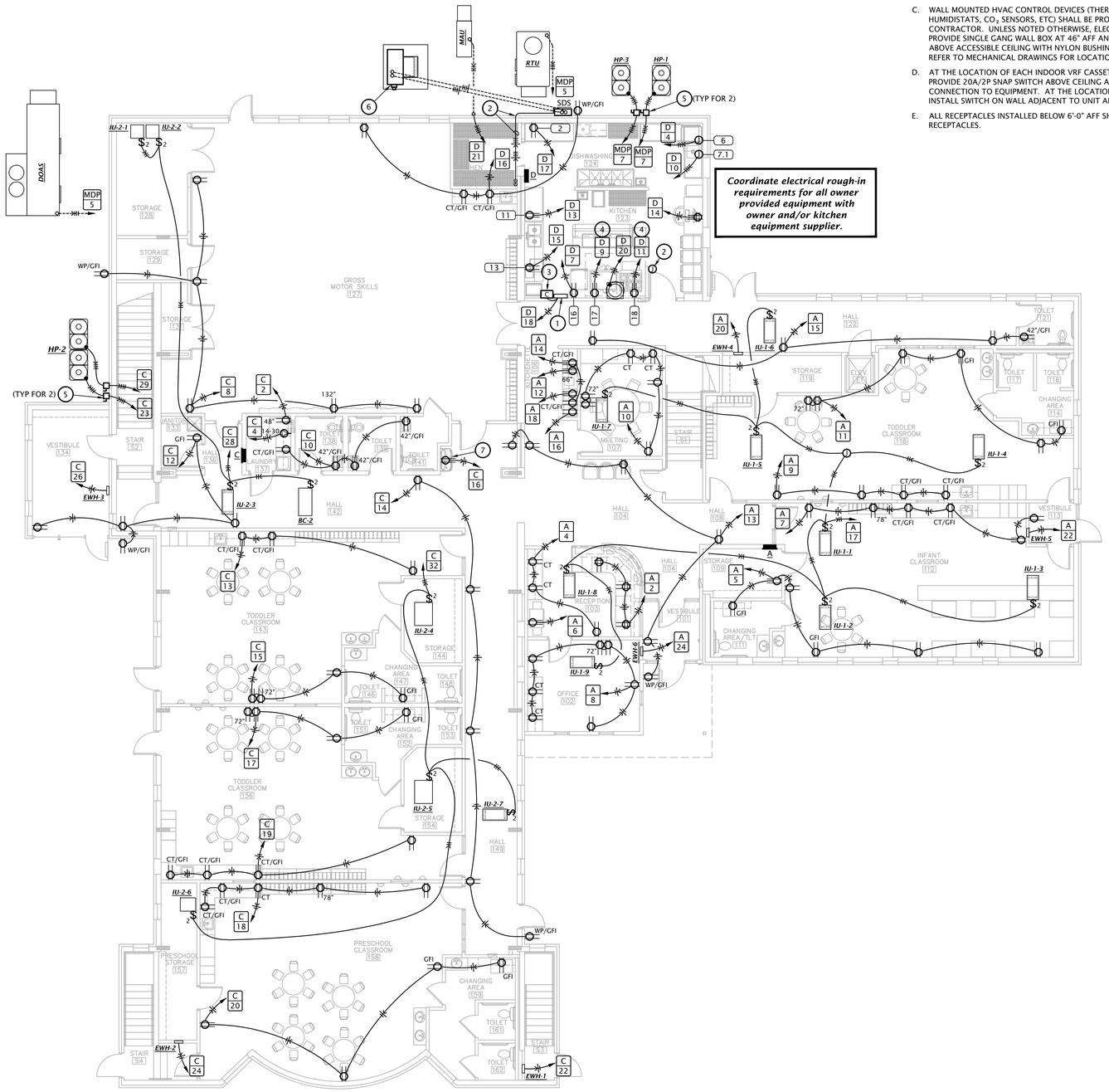
GENERAL NOTES:
- Electrical Contractor shall make all final electrical connections to kitchen equipment.
- Hardwired connections shall be made with LFMC with insulated ground wire bonded at both ends.
- Verify all equipment requirements (including those scheduled) with equipment installer prior to rough-in.
- Mounting heights shown in this schedule are for bidding purposes only. Coordinate exact heights with installer.

REMARKS:
(1) Wire through disposer controller, furnished with equipment.

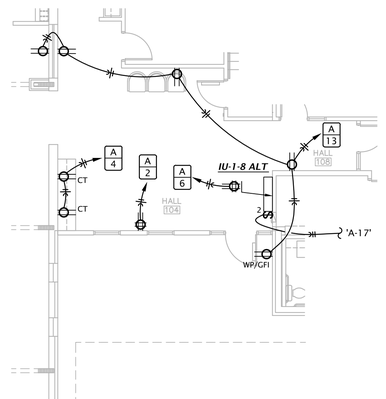
Coordinate electrical rough-in requirements for all owner provided equipment with owner and/or kitchen equipment supplier.

(#) POWER PLAN NOTES BY SYMBOL

1. PROVIDE UNSWITCHED 120V CIRCUIT TO KITCHEN HOOD CONTROL PANEL FOR POWER TO HOOD LIGHTS AND CONTROLS. FIELD VERIFY EXACT MOUNTING LOCATION OF PANEL WITH KITCHEN HOOD INSTALLER. PROVIDE ALL INTERCONNECTING WIRING BETWEEN CONTROL PANEL AND HOOD LIGHTS, SPEED CONTROL AT KITCHEN EXHAUST FAN, RUN SIGNAL AT MAKEUP AIR UNIT, FIRE SUPPRESSION SYSTEM MICRO SWITCH, HOOD TEMP SENSOR, AND HOOD MOUNTED USER INTERFACE. COORDINATE ALL REQUIREMENTS WITH HOOD INSTALLER.
2. J-BOX AND CONDUIT FOR HOOD FIRE SUPPRESSION SYSTEM PULL STATION. SEE DETAIL 4, SHEET E6.1. VERIFY EXACT MOUNTING LOCATION WITH LOCAL AHJ PRIOR TO INSTALLATION.
3. CONTACTOR FOR SHUT-DOWN OF EQUIPMENT POWER UNDER HOOD. SEE DETAIL 3, SHEET E6.1.
4. ROUTE CIRCUIT THROUGH CONTACTOR FOR SHUT-DOWN UPON ACTIVATION OF FIRE SUPPRESSION SYSTEM. SEE DETAIL 3, E6.1.
5. 60/3P NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. MAKE FINAL CONNECTION TO EQUIPMENT UTILIZING 'LFMC' RACEWAY.
6. UTILITY TRANSFORMER AND METER BY POWER COMPANY. COORDINATE WORK REQUIRED WITH CITY OF HILLSBORO ELECTRIC DEPARTMENT.
7. COORDINATE EXACT MOUNTING LOCATION OF DRINKING FOUNTAIN RECEPTACLE WITH PLUMBING CONTRACTOR.



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



2 POWER PLAN - ALTERNATE
1/8" = 1'-0"

JonesGillamRenz
1881 Main Street, Suite 301
730 N. Ninth
Kansas City, MO 64108
Salina, KS 67401
jgr@jgrarchitects.com
785.827.0386

HILLSBORO COMMUNITY CHILD CARE CENTER
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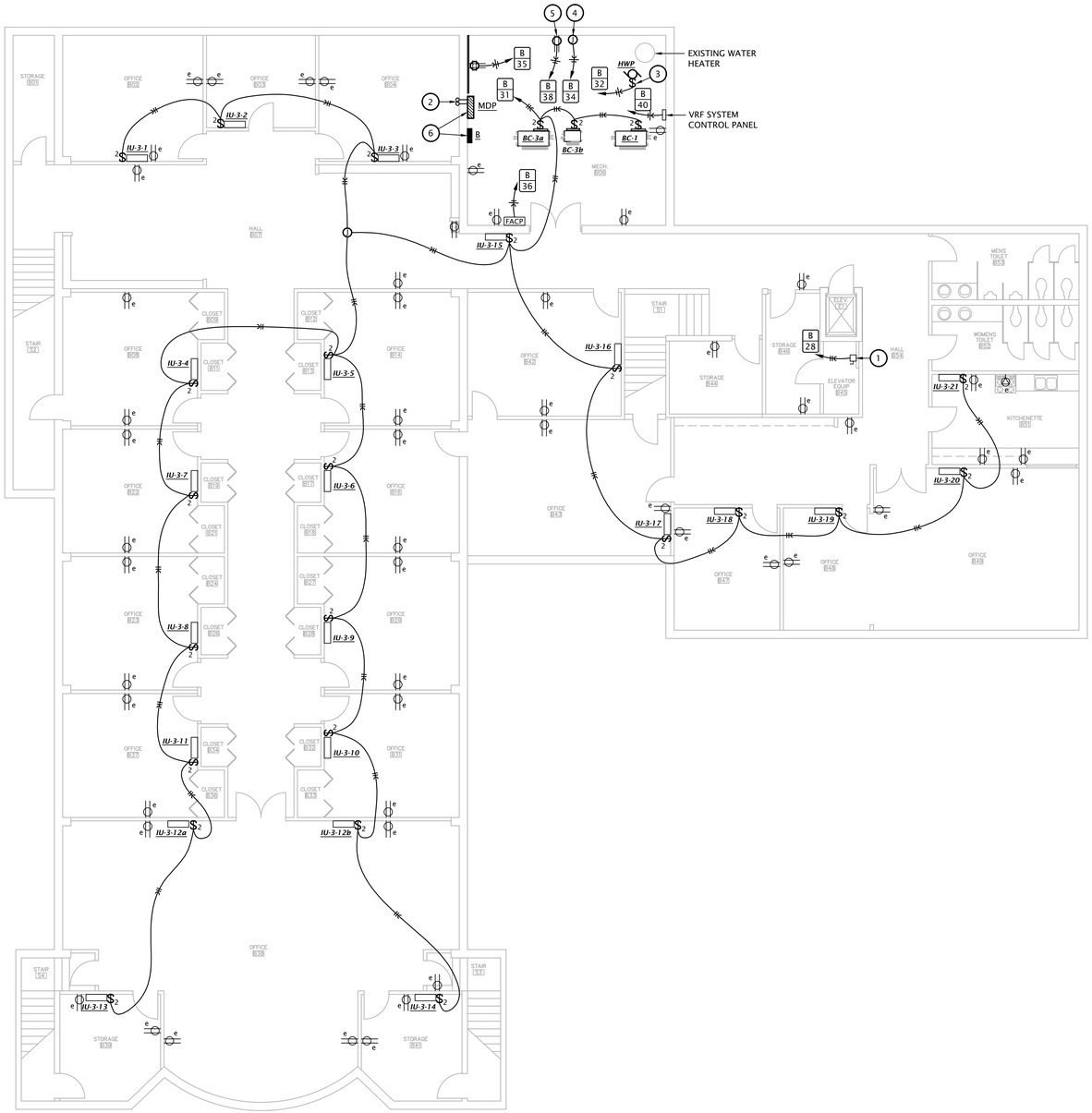
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MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056

March 2024



1 BASEMENT POWER PLAN

1/8" = 1'-0"

GENERAL POWER NOTES

A. THE CIRCUITING OF ALL DEVICES HAS BEEN SHOWN ON THE PLANS, AND THE CONTRACTOR SHALL FOLLOW THIS CIRCUITING LAYOUT .

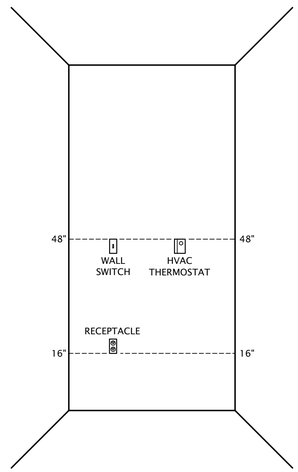
B. VERIFY EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT WITH THE GENERAL CONTRACTOR AND ASSOCIATED SUB CONTRACTORS. COORDINATE CONDUIT STUB-UP AND POWER CONNECTIONS PRIOR TO COMMENCING ROUGH-IN WORK. ELECTRICAL DEVICES (DISCONNECTS, RECEPTACLES, ETC.) INSTALLED ON EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE EQUIPMENT. FIELD COORDINATE EXACT DEVICE MOUNTING LOCATIONS PRIOR TO INSTALLATION.

C. WALL MOUNTED HVAC CONTROL DEVICES (THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, CO_2 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.

D. AT THE LOCATION OF EACH INDOOR VRF CASSETTE UNIT, PROVIDE 20A/2P SNAP SWITCH ON WALL ADJACENT TO UNIT AND MAKE FINAL CONNECTION TO EQUIPMENT. AT THE LOCATION OF BC CONTROLLERS, PROVIDE 20A/2P SNAP SWITCH ON CEILING AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT..

(#) POWER PLAN NOTES BY SYMBOL

1. CONNECT NEW CIRCUIT TO EXISTING ELEVATOR POWER DISCONNECT SWITCH.
2. FEEDER FROM 'SDS' TO 'MDP'. SLEEVE AND SEAL CONDUIT PENETRATION THROUGH EXTERIOR WALL.
3. ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP ('HWP') THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
4. 120V POWER FOR FIRE SPRINKLER SYSTEM FLOW SWITCH(ES) AND BELL. COORDINATE WORK WITH FIRE SPRINKLER SYSTEM INSTALLER.
5. VERIFY EXACT LOCATION OF RECEPTACLE FOR FIRE SPRINKLER DRY-PIPE SYSTEM AIR COMPRESSOR WITH FIRE SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN.
6. COORDINATE INSTALLATION OF PANELBOARDS WITH PLUMBING CONTRACTOR AND GENERAL CONTRACTOR TO ENSURE WATER SUPPLY AND DRAIN LINES ARE NOT ROUTED DIRECTLY ABOVE PANELBOARDS.



2 ELECTRICAL DEVICE MOUNTING HEIGHTS

No Scale

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
785.827.0386
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

LEWIS T. SMITH — 14654 — 21 Mar 2024 — KANSAS PROFESSIONAL ENGINEER

REVISION:

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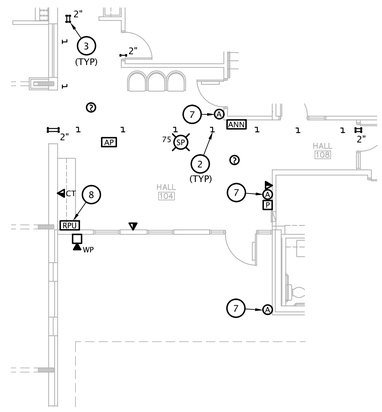
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1 FIRST FLOOR SPECIAL SYSTEMS PLAN

1/8" = 1'-0"



2 SPECIAL SYSTEMS PLAN - ALTERNATE #1

1/8" = 1'-0"

LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056

March 2024

TELECOMMUNICATIONS GENERAL NOTES

A. PROVIDE THE FOLLOWING FOR TELECOMMUNICATIONS OUTLET TYPES INDICATED:

- VOIP/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 (1 VOIP/1 DATA) TO TELECOM BACKBOARD IN MECH B06.
- 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 WITH GRAY INSULATION TO TELECOM BACKBOARD IN MECH B06.
- AP • WIRELESS ACCESS POINT: PROVIDE (1) CATEGORY 6 UTP CABLE WITH GREEN INSULATION TO TELECOM BACKBOARD IN MECH B06.

B. REFER TO DETAIL 2, SHEET E1.5 FOR MOUNTING HEIGHTS OF OUTLETS.

C. PROVIDE NYLON BUSHINGS FOR ALL CONDUIT ENDS NOT CONNECTED TO A BOX OR FITTING TO PROTECT CABLING FROM DAMAGE.

D. 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.

E. PROVIDE BLANK, STAINLESS STEEL COVER PLATES FOR ALL OUTLETS NOT ACTIVATED BY OWNER.

F. HORIZONTAL COPPER TELECOMMUNICATIONS CABLING TO VOICE/DATA OUTLETS, TV OUTLETS, AND WIRELESS ACCESS POINTS SHALL BE CATEGORY 6 UTP, TYPE CMP PLENUM RATED. VOIP CABLES SHALL HAVE A WHITE OUTER JACKET, DATA CABLES SHALL HAVE A BLUE OUTER JACKET, TV CABLES SHALL HAVE A GRAY OUTER JACKET, AND WIRELESS ACCESS POINT CABLES SHALL HAVE A GREEN OUTER JACKET. PROVIDE A 6ft SERVICE LOOP ABOVE THE CEILING AT EACH VOIP/DATA AND TV OUTLET, A 20ft SERVICE LOOP ABOVE THE CEILING AT EACH WIRELESS ACCESS POINT, AND A 20ft SERVICE LOOP FOR ALL CABLES AT THE TELECOM BACK BOARD.

G. ALL TELECOMMUNICATIONS HEAD END EQUIPMENT, ACCESS POINTS, PATCH PANELS, JACKS/CONNECTORS, TERMINATIONS AND TESTING SHALL BE PROVIDED BY OWNER.

GENERAL FIRE ALARM NOTES

A. DUCT TYPE SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY FIRE ALARM CONTRACTOR, INSTALLED IN DUCT BY MECHANICAL CONTRACTOR.

B. FIRE ALARM SYSTEM HVAC SHUT DOWN RELAYS SHALL BE PROVIDED AND WIRED TO FIRE ALARM CONTROL PANEL BY FIRE ALARM CONTRACTOR. LOCATE RELAYS WITHIN 5' OF HVAC EQUIPMENT AND PROVIDE CONDUIT WITH PULL STRING FROM RELAY TO EQUIPMENT. UNIT SHUT DOWN CONTROL WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.

C. IN ADDITION TO VALVES INSTALLED ON FIRE SPRINKER SYSTEM RISER, ALL VALVES INSTALLED OUTSIDE THE BUILDING (POST INDICATOR VALVE, TAPPING SLEEVE VALVE, ETC.) SHALL BE SUPERVISED BY THE FIRE ALARM SYSTEM. PROVIDE ADDRESSABLE MONITORING MODULE AND SURGE PROTECTION DEVICE (DITEK #DTK-2MHLP488) FOR EACH MONITORED VALVE. COORDINATE WITH GC AND SITE WORK CONTRACTOR FOR ALL VALVES INSTALLED. MONITORING IS NOT REQUIRED FOR VALVES INSTALLED IN ROADWAY BOXES BY THE MUNICIPALITY/PUBLIC UTILITY.

(#) SPECIAL SYSTEMS PLAN NOTES BY SYMBOL

1. PROVIDE ADDRESSABLE MONITORING MODULE TO MONITOR STATUS OF HOOD FIRE SUPPRESSION SYSTEM. COORDINATE LOCATION AND REQUIREMENTS WITH HOOD INSTALLER.
2. 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.
3. EMT CONDUIT SLEEVE(S) THROUGH WALL WITH NYLON BUSHINGS FOR TELECOM CABLING. QUANTITY AS SHOWN. TRADE SIZE AS NOTED. INSTALL ABOVE ACCESSIBLE CEILING.
4. (2) 3" CONDUITS ROUTED FROM BASEMENT, THROUGH FLOOR TO ABOVE CEILING FOR TELECOM CABLING.
5. SUPPLY AND RETURN AIR DUCT SMOKE DETECTORS FOR DOAS UNIT FURNISHED AND WIRED TO FACP BY FIRE ALARM CONTRACTOR, INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. PROVIDE DETECTORS WITH RELAY SUB-BASE FOR SHUT-DOWN OF HVAC UNIT UPON DETECTION OF SMOKE.
6. PROVIDE REMOTE KEYED TEST SWITCH/INDICATOR LIGHT FOR DUCT DETECTORS.
7. PROVIDE 1-GANG J-BOX AT 48" AFF WITH 1/2" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING FOR ACCESS CONTROL SYSTEM KEYPAD/CARD READER. PROVIDE SURFACE MOUNTED CAST ALUMINUM WEATHERPROOF BOX WHERE INSTALLED ON EXISTING BRICK WALLS. COORDINATE EXACT REQUIREMENTS WITH ACCESS CONTROL SYSTEM INSTALLER.
8. PROVIDE FIRE ALARM SYSTEM REMOTE PAGING UNIT IN RECESSED FLUSH CABINET ABOVE COUNTERTOP FOR EMERGENCY, FIRE, OR GENERAL PAGING, INITIATION OF AUTOMATIC MESSAGES. UNIT SHALL HAVE KEYPAD/DISPLAY AND MICROPHONE IN LOCKING ENCLOSURE WITH GLASS DOOR, NOTIFIER #DVC-RPU OR EQUAL.

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com
785.827.0386

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

JEFF LEWIS SMITH 14654 21 Mar 2024 KANSAS PROFESSIONAL ENGINEER

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LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
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mail@LSTengineers.com

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March 2024



1 BASEMENT SPECIAL SYSTEMS PLAN

1/8" = 1'-0"

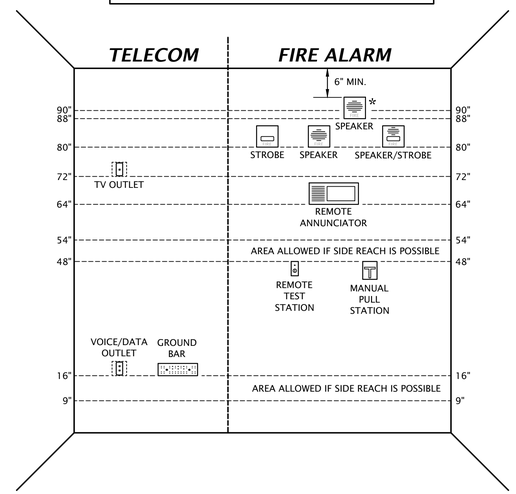
SPECIAL SYSTEMS PLAN NOTES BY SYMBOL

1. TELECOMMUNICATIONS TERMINAL BOARD: 7' WIDE x 8' HIGH CONSISTING OF TWO LAYERS OF 3/4" ACX FIRE RESISTANT PLYWOOD MOUNTED SECURELY TO WALL AT 6" AFF TO BOTTOM. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
2. 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 #TGBA14L06PT 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 PROVIDE ADDRESSABLE MONITORING MODULE TO MONITOR STATUS OF HOOD FIRE SUPPRESSION SYSTEM. COORDINATE LOCATION AND REQUIREMENTS WITH HOOD INSTALLER.
3. EMT CONDUIT SLEEVE(S) THROUGH WALL WITH NYLON BUSHINGS FOR TELECOM CABLING. QUANTITY AS SHOWN. TRADE SIZE AS NOTED. INSTALL ABOVE ACCESSIBLE CEILING.
4. (2) 3" CONDUITS ROUTED FROM BASEMENT, THROUGH FLOOR TO ABOVE CEILING FOR TELECOM CABLING.
5. 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.
6. (2) 2" CONDUITS WITH PULL STRINGS BELOW GRADE TO PROPERTY LINE AT ALLEY FOR COMMUNICATIONS SERVICE PROVIDER CABLING. COORDINATE TERMINATION POINTS WITH ASSOCIATED SERVICE PROVIDERS.
7. SLEEVE AND SEAL CONDUIT PENETRATIONS THROUGH BASEMENT WALL.
8. PROVIDE FIRE ALARM RELAYS AND MONITORING MODULES FOR ALL FIRE SPRINKLER FLOW SWITCHES, TAMPER SWITCHES AND BELL/GONG. COORDINATE QUANTITIES AND LOCATIONS WITH FIRE SPRINKLER CONTRACTOR PRIOR TO BID.
9. PROVIDE (2) CATEGORY 6 VOIP CABLES IN 3/4" CONDUIT FROM FACP TO ADJACENT TELEPHONE TERMINAL BOARD FOR CONNECTION TO FIRE ALARM SYSTEM 'DACT' FOR REMOTE MONITORING.
10. LOCATE OUTLET ADJACENT TO VRF SYSTEM CONTROL PANEL. VERIFY LOCATION WITH MECHANICAL CONTRACTOR.

FIRE ALARM DEVICE MOUNTING

1. VISUAL UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER
2. AUDIO UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER

   * TOP OF UNIT NOT LESS THAN 90" ABOVE FLOOR AND NOT LESS THAN 6" BELOW CEILING (NFPA) (BOTTOM AT 88" WITH CMU COURSES). MOUNT AT NFPA HEIGHT ONLY IF REQUIRED BY LOCAL AHJ.
3. AUDIO/VISUAL UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER (PER ADA)
4. PULL STATION
   HIGHEST OPERABLE PART SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR (FRONT APPROACH)



2 DEVICE MOUNTING HEIGHTS

No Scale

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
785.827.0386
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS

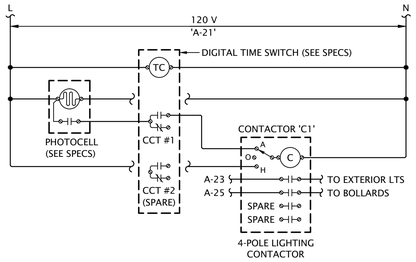


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JOB: 22-3225 RE
SHEET NO.:

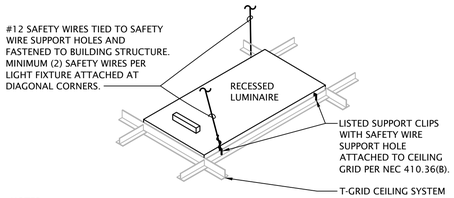
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6 LIGHTING CONTROL DIAGRAM

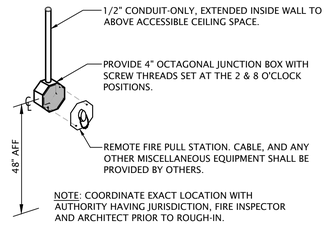
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NOTES:
1. SAFETY WIRES MAY BE SLACK BUT SHALL BE SECURED WITH A MINIMUM OF THREE TIGHT TURNS AROUND SELF.
2. FIXTURE INSTALLATION TO COMPLY WITH ASTM C636 AND CISCA STANDARDS.

5 RECESSED LUMINAIRE SUPPORT

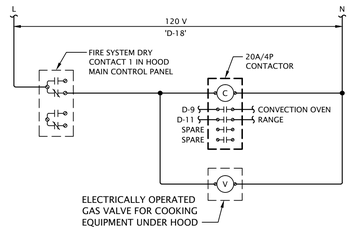
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NOTE: COORDINATE EXACT LOCATION WITH AUTHORITY HAVING JURISDICTION, FIRE INSPECTOR AND ARCHITECT PRIOR TO ROUGH-IN.

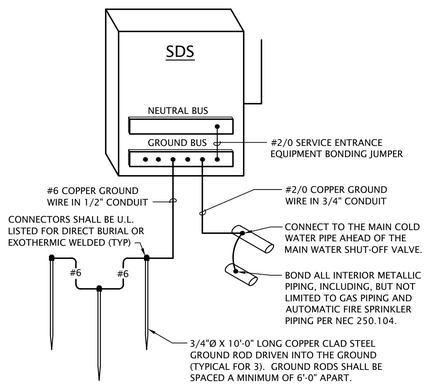
4 REMOTE HOOD FIRE PULL STATION

No Scale



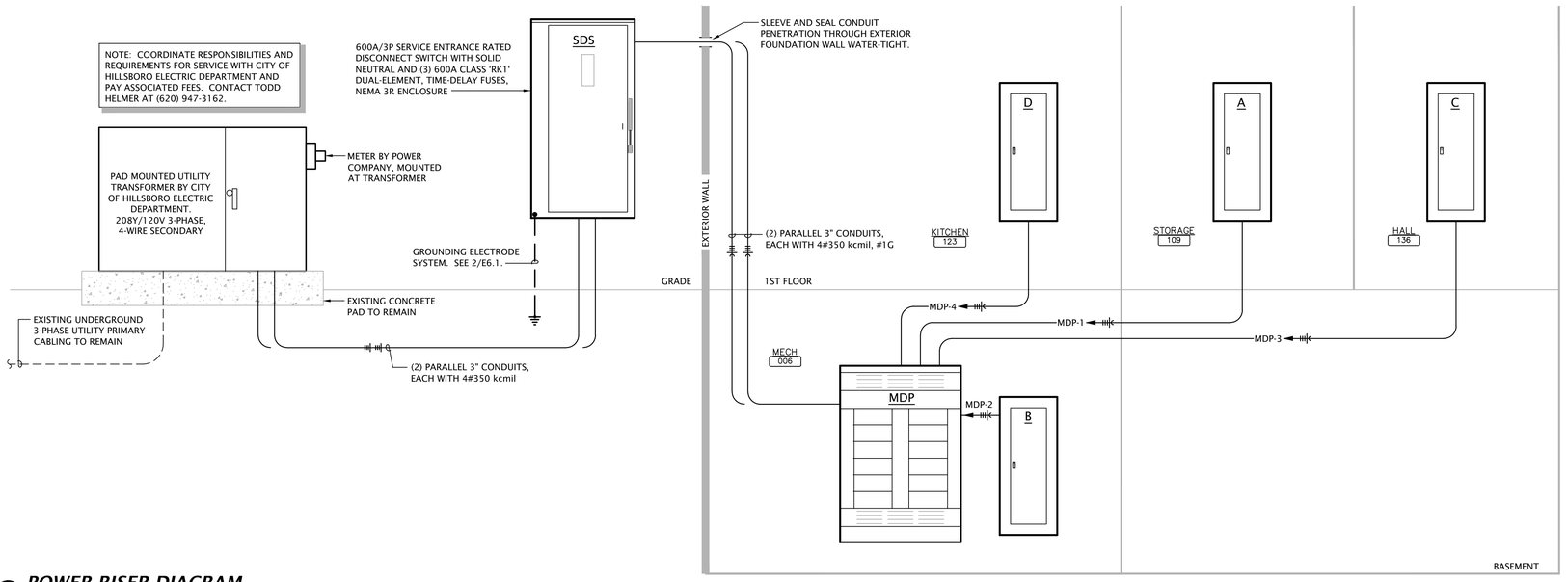
3 HOOD EQUIPMENT SHUT-DOWN

No Scale



2 SERVICE GROUNDING ELECTRODE SYSTEM DIAGRAM

No Scale



1 POWER RISER DIAGRAM

No Scale

LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	LAMP DATA	DRIVER	MOUNTING	FINISH	DESCRIPTION	NOTES
A1	DAY-BRITE CFI	2SBP3040L8CS-2-UNV-DIM	30W LED 3260 LUMEN	0-10V DIMMING	LAY-IN	WHITE	2x2 BACK-LIT FLAT PANEL TROFFER WITH SELECTABLE LUMENS AND CCT	5
A2	DAY-BRITE CFI	2SBP3040L8CS-2-UNV-DIM	33W LED 3600 LUMEN	0-10V DIMMING	LAY-IN	WHITE	2x2 BACK-LIT FLAT PANEL TROFFER WITH SELECTABLE LUMENS AND CCT	5
A3	DAY-BRITE CFI	2SBP3040L8CS-2-UNV-DIM	39W LED 4250 LUMEN	0-10V DIMMING	LAY-IN	WHITE	2x2 BACK-LIT FLAT PANEL TROFFER WITH SELECTABLE LUMENS AND CCT	5
B	DAY-BRITE CFI	1FPZ45L835-4-DS-UNV-DIM	38W LED 4500 LUMEN	0-10V DIMMING	LAY-IN	WHITE	1x4 BACK-LIT FLAT PANEL TROFFER	5
C	LIGHTOLIER	4RN - P4RDL10935NCCPZ10U	9W LED 1000 LUMEN	0-10V DIMMING	RECESSED	SEMI-SPECULAR ALUMINUM	4"Ø ROUND DOWNLIGHT, SELF FLANGED REFLECTOR, 55° NARROW FLOOD DISTRIBUTION, MOUNTING BARS FOR T-GRID CEILING	.
D	DAY-BRITE CFI	2FPZ42B835-4-DS-UNV-DIM-FSK24	40W LED 4200 LUMEN	0-10V DIMMING	SURFACE	WHITE	2X4 BACK-LIT FLAT PANEL TROFFER WITH SURFACE MOUNTING KIT	.
E	LIFE SAFETY LIGHTING	LSLEDEM1	(2) 1.5W LED	N/A	WALL AT 7'-6"	WHITE	TWIN HEAD EMERGENCY LIGHT, THERMOPLASTIC HOUSING	2
E1	CHLORIDE	PLEMB-BAC-PLHTR	(8) 3W LED	N/A	WALL AT 8'-0" AFF	BLACK	DIE-CAST ALUMINUM WALL MOUNT EMERGENCY LIGHT WITH INTEGRAL BATTERY BACKUP WITH HEATER	4
F	DAY-BRITE CFI	FSS440L835-UNV-DIM - DACH72	30W LED 3950 LUMEN	0-10V DIMMING	SUSPENDED AT 9'-0" AFF	WHITE	4' STANDARD STRIP WITH CURVED FROSTED ACRYLIC LENS, WIDE DISTRIBUTION	6
G	MERCURY LIGHTING	LUC5-8-LED-24-120V-XUCLED1C	13W LED 910 LUMEN	STANDARD	SURFACE (UNDER CABINET)	WHITE	2' SOLID FRONT UNDERCABINET LIGHT WITH INTEGRAL ROCKER SWITCH, ALUMINUM HOUSING, CLEAR PRISMATIC GLASS DIFFUSER	.
H1	LEDALITE	SL26L93540NNAD06DX1NNNWN-WA	48W LED 6000 LUMEN	0-10V DIMMING	WALL AT 9'-0" AFF	WHITE	6' LINEAR DIRECT/INDIRECT, 500 LM/FT UP / 500 LM/FT DOWN, SINGLE CIRCUIT	.
H2	LEDALITE	SL26L93540NNAD20DX1NNNWN-WA	160W LED 20000 LUMEN	0-10V DIMMING	WALL AT 9'-0" AFF	WHITE	20' LINEAR DIRECT/INDIRECT, 500 LM/FT UP / 500 LM/FT DOWN, SINGLE CIRCUIT	.
H3	LEDALITE	SL23L93520NNNA20DX1NNNWN-WA	80W LED 10000 LUMEN	0-10V DIMMING	WALL AT 9'-0" AFF	WHITE	20' LINEAR INDIRECT, 500 LM/FT UP, DUST COVER, SINGLE CIRCUIT	.
H4	LEDALITE	SL26L93540NNAD04DX1NNNWN-WA	32W LED 4000 LUMEN	0-10V DIMMING	WALL AT 9'-0" AFF	WHITE	4' LINEAR DIRECT/INDIRECT, 500 LM/FT UP / 500 LM/FT DOWN, SINGLE CIRCUIT	.
J1	LEDALITE	ELSSL83548QG04DERNNNWW03R3	36W LED 4800 LUMEN	0-10V DIMMING	SUSPENDED WITH 4' AIRCRAFT CABLE	WHITE	12" WIDE x 4' LINEAR DIRECT/INDIRECT, SYMMETRIC DISTRIBUTION, 80% DOWN/20% UP, SINGLE CIRCUIT, REMOTE DRIVER	.
J2	LEDALITE	ELSSL83548QG12DERNNNWW04R3	108W LED 14400 LUMEN	0-10V DIMMING	SUSPENDED WITH 4' AIRCRAFT CABLE	WHITE	12" WIDE x 12' LINEAR DIRECT/INDIRECT, SYMMETRIC DISTRIBUTION, 80% DOWN/20% UP, SINGLE CIRCUIT, REMOTE DRIVER	.
K	DAY-BRITE CFI	CSW48-2835UDZTZO	31W LED 2750 LUMEN	0-10V DIMMING	SURFACE ON WALL	WHITE	4' LINEAR SURFACE MOUNT WITH SMOOTH OPAL ACRYLIC DIFFUSER	.
L	ERALUX	AE-DL-ATE-6-09-12WT-010-P30/35/40 AE-DL-FRKT-06	12W LED 900 LUMEN	0-10V DIMMING	RECESSED FLUSH IN CEILING	WHITE	6" ROUND DOWNLIGHT, SELF FLANGED, WHITE BAFFLE, IC RATED; PROVIDE WITH FRAME-IN KIT FOR NEW CONSTRUCTION AREA	4
M	LEGION LIGHTING	EMSW-15-40-BL-EM	15W LED 1500 LUMEN	STANDARD	WALL AT 7'-6" AFF TO BOTTOM, UNO	BLACK	DIE-CAST ALUMINUM WALL PACK WITH INTEGRAL PIR MOTION SENSOR AND PHOTOCELL, AND BATTERY BACKUP WITH HEATER.	4
N1	STONCO	LPW16-20-NW-G3-2-UNV-BK	22W LED 2725 LUMEN	STANDARD	WALL AT 8'-4" AFF, UNO	BLACK	DIE-CAST ALUMINUM WALL PACK, BUG RATING 'B1-U0-G1', IES TYPE 2 DISTRIBUTION	4, 7
N2	STONCO	LPW32-70-NW-G3-4-UNV-BK	65W LED 8139 LUMEN	STANDARD	WALL AT 16'-0" AFF	BLACK	DIE-CAST ALUMINUM WALL PACK, BUG RATING 'B1-U0-G2', IES TYPE 4 DISTRIBUTION	4, 7
X1	LIFE SAFETY LIGHTING	LSXS1-R-W-EM	RED LED	N/A	WALL/CEILING/END	RED LETTERS WHITE HOUSING	SINGLE FACE POLYCARBONATE EXIT WITH INTEGRAL BATTERY BACKUP	1,2
X2	LIFE SAFETY LIGHTING	LSXS2-R-W-EM	RED LED	N/A	CEILING/END	RED LETTERS WHITE HOUSING	DOUBLE FACE POLYCARBONATE EXIT WITH INTEGRAL BATTERY BACKUP	1,2
XE	LIFE SAFETY LIGHTING	LSCEM-R-W-SDT	RED LED (2) 1.5W LED	N/A	WALL/CEILING	RED LETTERS WHITE HOUSING	COMBINATION TWIN HEAD EMERGENCY LIGHT/SINGLE FACE EXIT SIGN	1,2

GENERAL:
- All LED's shall be 3500° K correlated color temperature, minimum 80 CRI.
- All light fixtures shall be provided with universal drivers capable of operating at 120V, UNO.

NOTES:
1. Fixture shall be capable of wall or ceiling mount applications and shall have break-out directional chevrons.
2. Provide with emergency battery integral charger and self-diagnostic/self-testing electronics.
3. Install remote head on exterior wall above door and connect to unit per manufacturer's instructions.
4. U.L. listed for 'wet location'
5. Install per detail 5, this sheet.
6. Suspend fixture with aircraft cable to height indicated in schedule.
7. Mount fixture directly to wall and make connection splices inside luminaire housing.

ABBREVIATIONS

A	AMPERE
AFF	ABOVE FINISH FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AV	AUDIO/VIDEO
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CCT	CORRELATED COLOR TEMPERATURE
CRI	COLOR RENDERING INDEX
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
ETR	EXISTING TO REMAIN
FA	FIRE ALARM
FMC	FLEXIBLE METALLIC CONDUIT
G	GROUNDING (BONDING) CONDUCTOR
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSEPOWER
kcmil	THOUSAND CIRCULAR MILLS
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
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
TV	TELEVISION
TYP	TYPICAL
U.L.	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
V	VOLT (ALTERNATING CURRENT)
VA	VOLTAMPERE
VOIP	VOICE OVER INTERNET PROTOCOL
W	WATT(S)

LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056 March 2024

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
1881 Main Street, Suite 301
Kansas City, MO 64108
785.827.0386
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER

BUILDING REHABILITATION

HILLSBORO, KANSAS



REVISION:

DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

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LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 23056 March 2024

Designation: D **Manufacturer:** Square D 'NQ'
Location: Hallway 136 **Bus Amps:** 225
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 22 kAIC
Mounting: Surface **Other:** Integral Surge Protection

	Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #	
	1	KITCHEN/HALL LIGHTING	2#12, #12G, 1/2"C	20 / 1				2	
	3	HOOD LIGHTS	2#12, #12G, 1/2"C	15 / 1	60 / 3	3#4, #10G, 1"C	ITEM 6 - DISHWASHER	4	
	5	HOOD CONTROL	2#12, #12G, 1/2"C	15 / 1				6	
1	7	ITEM 16 - HEATED HOLDING PROOFING CABINET	2#12, #12G, 1/2"C	20 / 1				8	
1	9	ITEM 17 - GAS CONV. OVEN	2#12, #12G, 1/2"C	20 / 1	15 / 3	3#12, #12G, 1/2"C	ITEM 7.1 - DISPOSER	10	
1	11	ITEM 18 - RANGE	2#12, #12G, 1/2"C	20 / 1				12	
1	13	ITEM 11 - REACH-IN REFRIG	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: KITCHEN DESK	14	1
1	15	ITEM 13 - MICROWAVE	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: 127 MOTOR SKILLS	16	
1	17	ITEM 2 - REACH-IN FREEZER	2#12, #12G, 1/2"C	20 / 1	15 / 1	2#12, #12G, 1/2"C	KITCHEN HOOD LTS/CNTRL	18	
	19	KITCHEN MAKEUP AIR UNIT	2#12, #12G, 1/2"C	15 / 3	30 / 1	2#10, #10G, 1/2"C	KITCHEN EXHAUST FAN	20	
	21				20 / 1	---	SPARE BREAKER	22	
	23				20 / 1	---	SPARE BREAKER	24	
	25	SPACE ONLY	---	---	---	---	SPACE ONLY	26	
	27	SPACE ONLY	---	---	---	---	SPACE ONLY	28	
	29	SPACE ONLY	---	---	---	---	SPACE ONLY	30	

Designation: B **Manufacturer:** Square D 'NQ'
Location: Basement Mech Rm **Bus Amps:** 225
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 22 kAIC
Mounting: Surface **Other:** Integral Surge Protection

	Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #	
	1	KITCHENETTE RANGE	RECONNECT EXISTING	40 / 2	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	2	
	3				20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	4	
	5	KITCHENETTE RECEPTACLE	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	6	
	7	KITCHENETTE RECEPTACLE	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	8	
	9	KITCHENETTE RECEPTACLE	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	10	
	11	KITCHENETTE RECEPTACLE	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	12	
3	13	BASEMENT RECEPTACLES	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	14	3
	15	BASEMENT RECEPTACLES	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	16	
	17	BASEMENT RECEPTACLES	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	18	
	19	BASEMENT RECEPTACLES	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	20	
	21	BASEMENT RECEPTACLES	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	22	
	23	BASEMENT RECEPTACLES	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	24	
	25	BASEMENT RECEPTACLES	RECONNECT EXISTING	20 / 1	20 / 1	RECONNECT EXISTING	BASEMENT LIGHTING	26	
	27	BASEMENT RECEPTACLES	RECONNECT EXISTING	20 / 1	30 / 2	2#10, #10G, 1/2"C	ELEVATOR	28	
	29	BASEMENT RECEPTACLES	RECONNECT EXISTING	20 / 1				30	
	31	INDOOR A/C UNITS	2#10, #10G, 1/2"C	15 / 2	20 / 1	2#12, #12G, 1/2"C	HOT WATER RECIRC PUMP	32	
	33				20 / 1	2#12, #12G, 1/2"C	FIRE SPRINKLER FLOW/BELL	34	2
2	35	RCPT: TELEPHONE BOARD	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	FIRE ALARM CONTROL PNL	36	2
	37	SPACE ONLY	---	---	20 / 1	2#12, #12G, 1/2"C	FS DRY-PIPE AIR COMPR.	38	
	39	SPACE ONLY	---	---	20 / 1	2#12, #12G, 1/2"C	VRF SYSTEM CONTROL PNL	40	
	41	SPACE ONLY	---	---	20 / 1	---	SPARE BREAKER	42	

Designation: C **Manufacturer:** Square D 'NQ'
Location: Laundry 129 **Bus Amps:** 225
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 22 kAIC
Mounting: Recessed Flush **Other:** Integral Surge Protection

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #	
1	LTG: HALLS/TLTJAN/LAUND	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: CLOTHES WASHER	2	
3	LTG: CLASSROOM 143	2#12, #12G, 1/2"C	20 / 1	30 / 2	3#10, #10G, 3/4"C	CLOTHES DRYER	4	
5	LTG: CLASSROOM 156	2#12, #12G, 1/2"C	20 / 1				6	
7	LTG: CLASSROOM 158	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: 127 MOTOR SKILLS	8	
9	LTG: MOTOR SKILLS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: TOILET 138, 139, 141	10	
11	MOTOR SKILLS CLG FANS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: JAN/VEST/HALL	12	
13	RCPT: CLASSRM 143 N	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL 149	14	
15	RCPT: CLASSRM 143 S	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	DRINKING FOUNTAIN	16	1
17	RCPT: CLASSRM 156 N	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: CLASSRM 158 N	18	
19	RCPT: CLASSRM 156 S	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: CLASSRM 158 S	20	
21	HEAT PUMP 'HP-2' (CIRCUIT #1)	3#6, #10G, 3/4"C	60 / 3	20 / 1	2#12, #12G, 1/2"C	HEATER 'EWH-1' SE STAIR	22	
23				20 / 1	2#12, #12G, 1/2"C	HEATER 'EWH-2' SW STAIR	24	
25				20 / 1	2#12, #12G, 1/2"C	HEATER 'EWH-3' VESTIBULE	26	
27	HEAT PUMP 'HP-2' (CIRCUIT #2)	3#6, #10G, 3/4"C	45 / 3	15 / 2	2#12, #12G, 1/2"C	INDOOR A/C UNITS	28	
29							30	
31				15 / 2	2#12, #12G, 1/2"C	INDOOR A/C UNITS	32	
33	SPARE BREAKER	---	20 / 1				34	
35	SPARE BREAKER	---	20 / 1	20 / 1	---	SPARE BREAKER	36	
37	SPACE ONLY	---	---	---	---	SPACE ONLY	38	
39	SPACE ONLY	---	---	---	---	SPACE ONLY	40	
41	SPACE ONLY	---	---	---	---	SPACE ONLY	42	

CIRCUIT BREAKER DISTRIBUTION PANEL SCHEDULE

Designation: MDP **Enclosure:** NEMA 1 **Bus Amps:** 600
Location: Basement Mech Rm **Mounting:** Surface on Wall **MCB Amps:** MLO
Voltage: 208Y/120V-3Ph-4W **Manufacturer:** Square D 'I-LINE' **AIC Rating:** 30 kAIC

Circuit #	Equipment Served	Feeder Size	C/B Size	Remarks
1	PANEL 'A'	4#1, #6G, 1-1/2"C	125/3	
2	PANEL 'B'	4#1/0, #6G, 1-1/2"C	150/3	
3	PANEL 'C'	4#3/0, #6G, 2"C	200/3	
4	PANEL 'D'	4#1, #6G, 1-1/2"C	125/3	
5	KITCHEN RTU	3#6, #10G, 3/4"C	50/3	HACR RATED BREAKER
6	DOAS UNIT	3#3, #8G, 1-1/4"C	90/3	HACR RATED BREAKER
7	HEAT PUMP 'HP-1'	3#6, #10G, 3/4"C	60/3	HACR RATED BREAKER
8	HEAT PUMP 'HP-3'	3#6, #10G, 3/4"C	60/3	HACR RATED BREAKER
9	BUSSED SPACE	---	225A	PROVISIONAL SPACE
10	BUSSED SPACE	---	225A	PROVISIONAL SPACE

Notes:
1. Provide panel with integral surge protection per specifications.

Designation: A **Manufacturer:** Square D 'NQ'
Location: Storage 109 **Bus Amps:** 225
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 10 kAIC
Mounting: Recessed Flush **Other:** Integral Surge Protection

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTG: INFANT/TODDLER	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: RECEPTION DESK	2
3	LTG: RECEPTION/LOBBY	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: RECEPTION CNTR	4
5	RCPT: INFANT RM 112 S	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: RECEPTION COPIER	6
7	RCPT: INFANT RM 112 N	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: OFFICE 102	8
9	RCPT: TODDLER RM 126 S	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: MEETING 107	10
11	RCPT: TODDLER RM 126 N	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	KITCHENETTE MICROWAVE	12
13	RCPT: HALL 104/ VEST.	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	KITCHENETTE COFFEE	14
15	RCPT: HALL 122/TLT 121	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	KITCHENETTE REFRIG.	16
17	INDOOR A/C UNITS	2#12, #12G, 1/2"C	15 / 2	20 / 1	2#12, #12G, 1/2"C	KITCHENETTE ICE MAKER	18
19				20 / 1	2#12, #12G, 1/2"C	HEATER 'EWH-4' HALL122	20
21	EXTERIOR LTG TIMECLOCK	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	HEATER 'EWH-5' E ENTRY	22
23	EXTERIOR WALL LIGHTS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	HEATER 'EWH-6' MAIN ENTRY	24
25	OUTDOOR BOLLARD LTS	2#10, #10G, 3/4"C	20 / 1	20 / 1	---	SPARE BREAKER	26
27	SPARE BREAKER	---	20 / 1	20 / 1	---	SPARE BREAKER	28
29	SPARE BREAKER	---	20 / 1	20 / 1	---	SPARE BREAKER	30
31	SPACE ONLY	---	---	---	---	SPACE ONLY	32
33	SPACE ONLY	---	---	---	---	SPACE ONLY	34
35	SPACE ONLY	---	---	---	---	SPACE ONLY	36
37	SPACE ONLY	---	---	---	---	SPACE ONLY	38
39	SPACE ONLY	---	---	---	---	SPACE ONLY	40
41	SPACE ONLY	---	---	---	---	SPACE ONLY	42

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
- CONDUIT STUB OUT WITH NYLON END BUSHING
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- GROUNDING CONNECTION

LIGHTING SYMBOLS

- 3-BLADE CEILING FAN
- LAY-IN FLAT PANEL TROFFER
- SUSPENDED OR SURFACE MOUNTED LINEAR LUMINAIRE
- LENSED STRIP LIGHT
- RECESSED DOWNLIGHT
- WALL MOUNTED LUMINAIRE
- TWIN HEAD EMERGENCY LIGHTING UNIT
- COMBINATION EXIT/TWIN HEAD EMERGENCY LIGHTING UNIT
- 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
- $_D$ PRESET SLIDE DIMMER WALL SWITCH
- $_{OS}$ LINE VOLTAGE OCCUPANCY SENSING WALL SWITCH
- OS LOW VOLTAGE OCCUPANCY SENSOR
- PP POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSORS
- TC TIMECLOCK
- P EXTERIOR PHOTOCELL
- C CONTACTOR
- J JUNCTION BOX
- MOTOR
- DISCONNECT SWITCH
- BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED
- BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED
- DISTRIBUTION PANELBOARD

TELECOMMUNICATIONS SYMBOLS

- TELECOM VOIP/DATA OUTLET
- TV OUTLET
- AP WIRELESS ACCESS POINT
- GB TELECOMMUNICATIONS GROUND BAR
- TELEPHONE TERMINAL BOARD
- EMT CONDUIT SLEEVE WITH NYLON END BUSHINGS
- J-HOOK

FIRE ALARM SYMBOLS

- FACP FIRE ALARM CONTROL PANEL
- RPU REMOTE PAGING UNIT
- ANN FIRE ALARM REMOTE ANNUNCIATOR PANEL
- MANUAL PULL STATION
- HEAT DETECTOR
- SPOT TYPE AREA SMOKE DETECTOR
- DUCT MOUNTED SMOKE DETECTOR WITH SAMPLING TUBES
- REMOTE KEYED TEST STATION FOR DUCT DETECTOR
- CO CARBON MONOXIDE DETECTOR
- MM ADDRESSABLE MONITORING MODULE
- RM ADDRESSABLE RELAY MODULE
- # NOTIFICATION STROBE, CEILING (CANDELA NOTED)
- NOTIFICATION SPEAKER, WALL
- # NOTIFICATION SPEAKER/STROBE, WALL (CANDELA NOTED)
- SP NOTIFICATION SPEAKER, CEILING
- # NOTIFICATION SPEAKER/STROBE, CEILING (CANDELA NOTED)
- FIRE SPRINKLER SYSTEM FLOW SWITCH
- FIRE SPRINKLER SYSTEM TAMPER SWITCH
- FIRE SPRINKLER SYSTEM BELL/GONG OR HORN/STROBE

ACCESS CONTROL SYMBOLS

- A DOOR SECURITY KEYPAD OR CARD READER (ROUGH-IN ONLY)

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
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

OCCUPANCY SENSOR SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	SENSOR TYPE	COVERAGE	MOUNTING	DESCRIPTION	NOTES
$_{OS}$	SENSORWORX	SWX-101-__	PASSIVE INFRARED	180', 625 SF	WALL	120/277V WALL SWITCH SENSOR	1
OS$_a$	SENSORWORX	SWX-202-1	PASSIVE INFRARED	360', 2000 SF	CEILING	LOW VOLTAGE, LARGE MOTION SENSOR	2
OS$_b$	SENSORWORX	SWX-221-1	DUAL TECHNOLOGY	360', 500 SF	CEILING	LOW VOLTAGE, SMALL MOTION SENSOR	2

NOTES:
1. Confirm color of wall mounted sensors with Architect.
2. Provide power packs as required in conjunction with low voltage sensors for control of lighting circuit (Sensorworx #SWX-900).

PANEL SCHEDULE NOTES BY SYMBOL

1. CLASS 'A', 5mA RATED, GROUND FAULT CIRCUIT INTERRUPTING (GFCI) BREAKER.
2. PROVIDE BREAKER WITH "LOCK-ON" CLIP ACCESSORY.
3. EXISTING CIRCUITS TO REMAIN IN SERVICE. EXTEND AND RECONNECT TO NEW PANELBOARD AS REQUIRED.

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
HILLSBORO, KANSAS

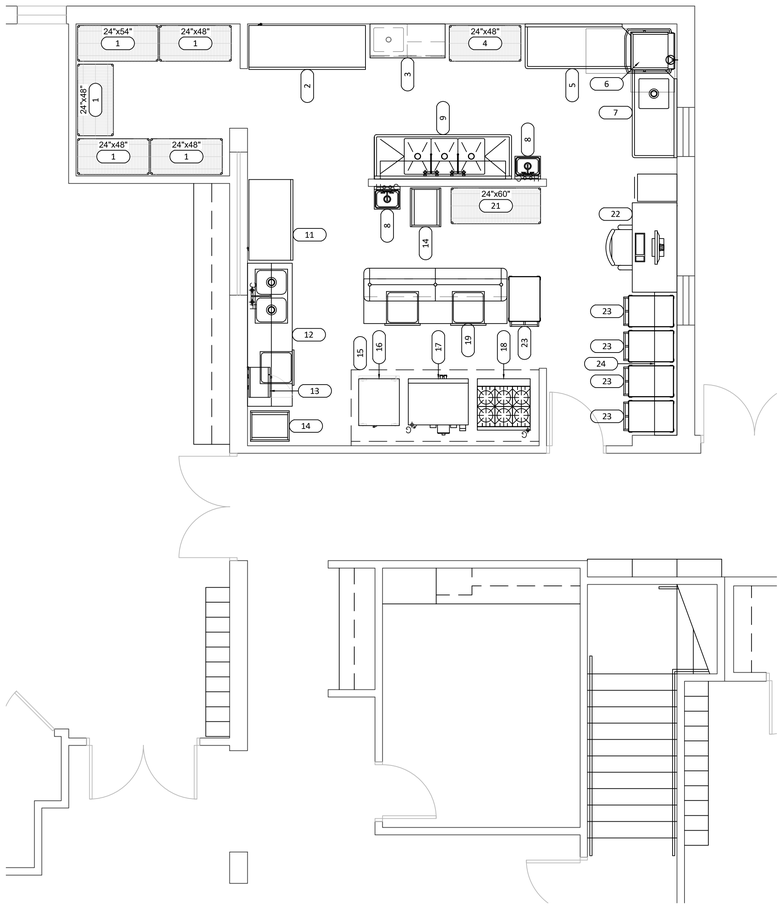
LEWIS C. SMITH 14654 21 Mar 2024 KANSAS PROFESSIONAL ENGINEER

REVISION:

DATE: 3-21-2024
JOB: 22-3225 RE
SHEET NO.:

E6.2

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EQUIPMENT SCHEDULE					
ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
1	5	DRY STORAGE SHELVING	METRO	-	-
2	1	REACH-IN FREEZER	TRUE MFG.	T-72F-HC	-
3	1	MOP SINK CABINET	ADVANCE TABCO	9-OPC-84DL	-
4	1	POT & PAN SHELVING	METRO	-	-
5	1	CLEAN DISHTABLE	ADVANCE TABCO	DTC-S70-72L-X	-
6	1	DISHWASHER, DOOR TYPE, VENTLESS	CHAMPION	DH-6000T-VHR	-
7	1	SOILED DISHTABLE	ADVANCE TABCO	DTS-S70-60R	-
8	2	HAND SINK	KROWNE	HS-26L	-
9	1	THREE (3) COMPARTMENT SINK	ADVANCE TABCO	FC-3-1824-18RL-X	-
10	-	SPARE NUMBER	-	-	-
11	1	REACH-IN REFRIGERATOR	TRUE MFG.	T-49-HC	-
12	1	WORK TABLE, STAINLESS STEEL TOP	ADVANCE TABCO	KMS-308	-
13	1	MICROWAVE OVEN	PANASONIC	NE-1064F	-
14	2	BUN / SHEET PAN RACK	NEW AGE	1331	-
15	1	EXHAUST HOOD	-	-	-
16	1	HEATED HOLDING PROOFING CABINET	METRO	C539-CFS-4-BU	-
17	1	CONVECTION OVEN, GAS	GARLAND US RANGE	MCO-GS-10-S	-
18	1	RANGE, 36", 6 OPEN BURNERS	GARLAND US RANGE	U36-6R	-
19	1	WORK TABLE, STAINLESS STEEL TOP	ADVANCE TABCO	MS-308	-
20	-	SPARE NUMBER	-	-	-
21	1	MOBILE SHELVING	METRO	-	-
22	LOT	OFFICE FURNISHINGS	-	-	-
23	5	BUSSING UTILITY TRANSPORT CART	METRO	BC2030-2DG	-
24	1	WALL CABINET	ADVANCE TABCO	WCH-15-96	-

NORTH

FOOD SERVICE EQUIPMENT PLAN

1/4"=1'-0"

0' 2' 4' 8'

REVISION	BY
-	-
-	-
-	-
-	-
-	-
-	-

1647 Sunflower Lane
P.O. Box 1277
Salina, KS 67401
Phone: (785) 823-6394

Wichita, KS 67209
Phone: (316) 267-9881

SUNFLOWER
Restaurant Supply, Co.
A DIVISION OF CASH-WA DISTRIBUTING

HILLSBORO COMMUNITY CHILD CARE CENTER
BUILDING REHABILITATION
211 SOUTH ELM STREET
HILLSBORO, KS 67063

DRAWN BY:	PWS
CHECKED BY:	PWS
DATE:	10/17/23
SCALE:	1/4"=1'-0"
JOB NO:	HCCCC
SHEET:	

FS1