

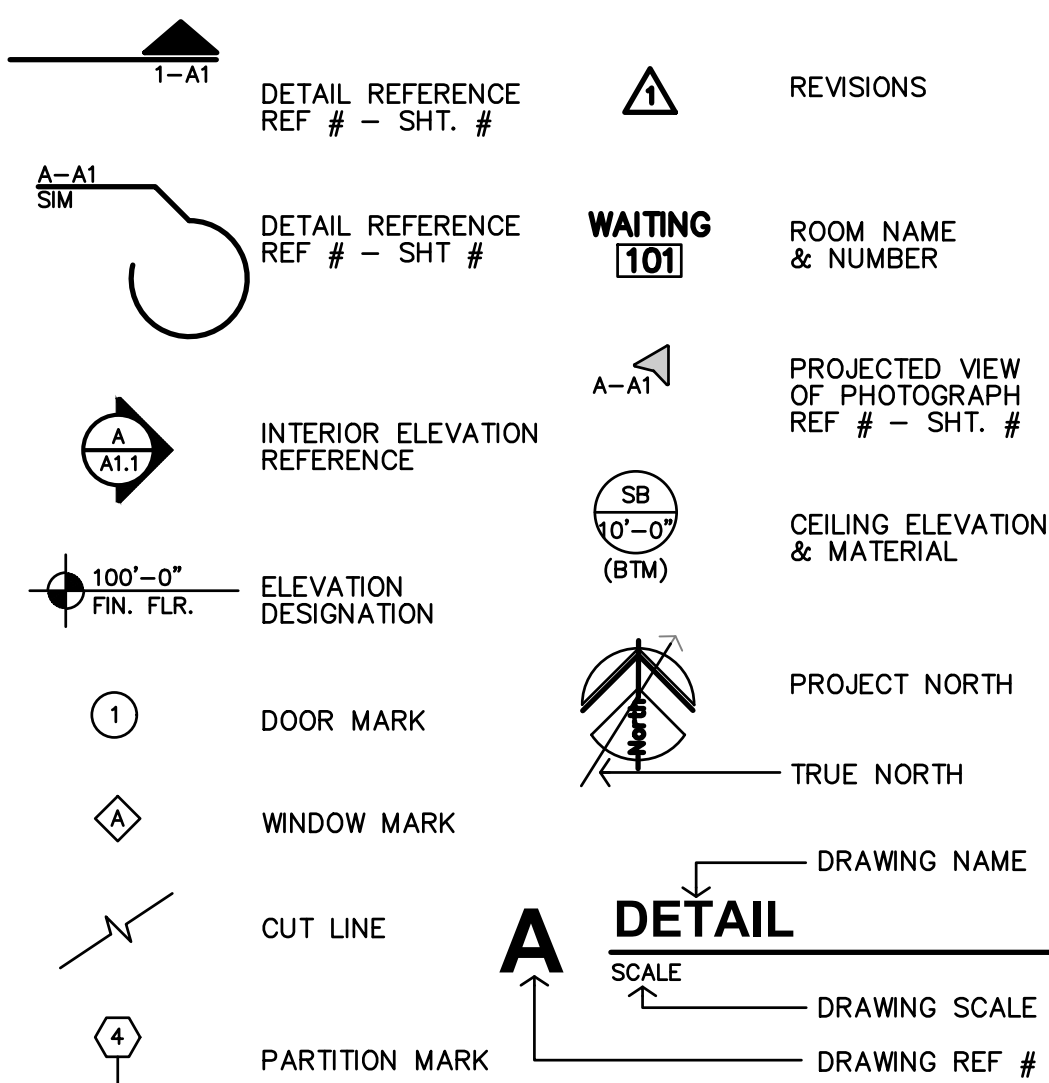
FIRST COVENANT CHURCH

ADDITION 25-3518

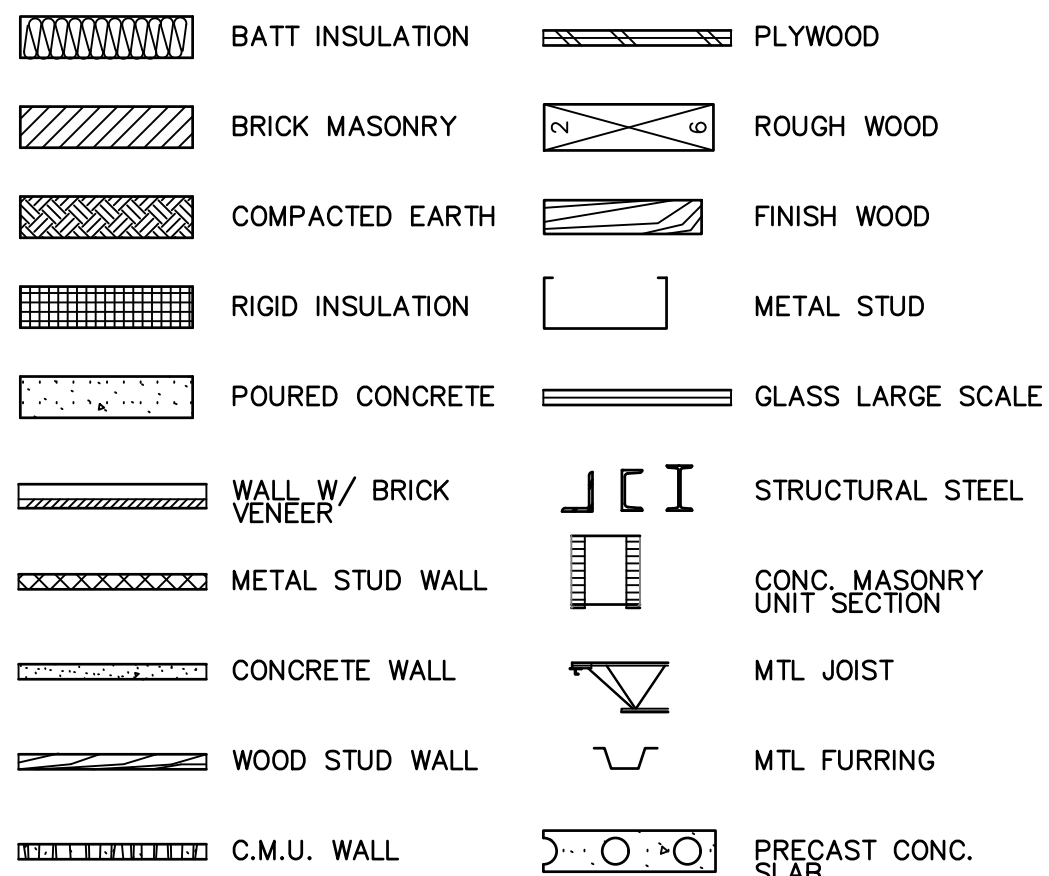
SALINA,

KANSAS

REFERENCE LEGEND

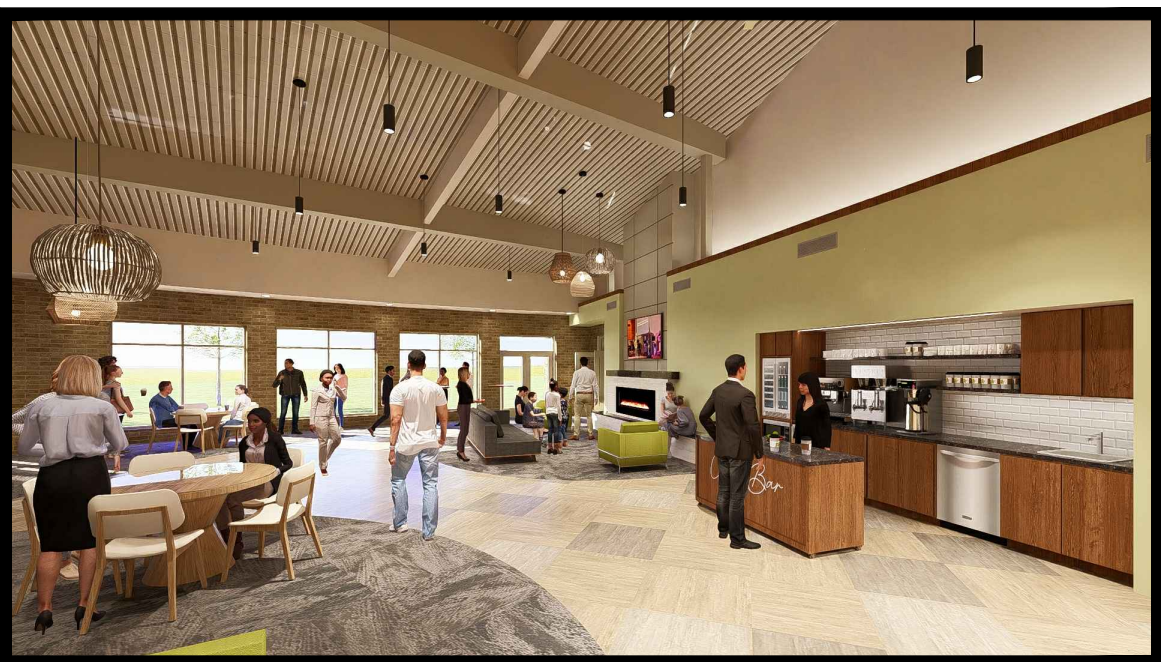


MATERIAL LEGEND



ABBREVIATIONS

& @ #	AND Angle At Centerline Diameter or Round Found or Number	Cntr. Col. Conc. C.T. CMU Ctr.	Counter Column Concrete Ceramic Tile Concrete Masonry Unit Center	Exp. Ext.	Expansion Exterior	Hr. Hgt.	Hour Height	N. N.I.C. No. N.T.S.	North Not In Contract No. or Number Nominal Not To Scale	Reinf. Req'd Resil. Room R.O.	Reinforced Required Resilient Room Rough Opening	Temp. T.&G. Thk. T.O.M. T.O.S. T.P. T.P.D. T.V. Tackwall Trd.	Tempered Tongue & Groove Thick Top Of Masonry Top Of Steel Top Of Pavement Toilet Paper Dispenser Television Tackwall Tread		
Acous. Adj. A.F.F. Aggr. Al. Approx. Arch. Asb. Asph. A.V.	Acoustical Adjustable Above Finished Floor Aggregate Aluminum Approximate Architect or Architectural Asbestos Asphalt Audio Visual	Dbl. Det. D.F. Dia. Dim. Dn. Dr. Dwg. Dwr.	Double Detail Drinking Fountain Diameter Dimension Down Door Downspout Drawing Drawer	Jan. Jt. Kit.	Janitor Joint Kitchen	Lab. Lam. Lav. Lkr. Lt.	Laboratory Laminate Lavatory Locker Light	P. Pl. P.Lam. Plas. Plywd. Pz. Pt. P.T.D. P.T.R.	Paint Plate Plastic Laminate Plaster Plywood Pair Point Paper Towel Dispenser Partition Paper Towel Receptacle Quarry Tile	S. S.B. S.C. Sched. S.D. Sect. Shower Sheet Sim. S.N.R. Spec. Sq. Std. Stl. Stor. Stri. Susp. S.V. Sym.	South Splash Block Solid Core Schedule Soap Dispenser Section Shower Sheet Similar Sanitary Napkin Disp. Sanitary Napkin Recep. Specification Square Stainless Steel Standard Steel Storage Structural Suspended Sheet Vinyl Symmetrical	U.O.N. Ur. V.C.T. V.T. V.B. Vert. Vest. Vyl.	Unless Otherwise Noted Urinal Vinyl Composition Tile Vinyl Tile Vapor Barrier Vertical Vestibule Vinyl		
Bd. Bitum. Bldg. Blk. Blk.g. Bm. Bot. Br. Brk.	Board Bituminous Building Block Blocking Beam Bottom By OWNER Bearing Brick	(E) Exist. Exp.	Existing East of Existing Each Expansion Joint Elevation Electrical Elevator Equip. Equip. Equip. Equip. Equip. Equip.	Ga. Galv. G.B.B. Gd. Gl. Gnd. Grode Gyp.	Gauge Galvanized Gro Bar Glass Ground Membr. Gypsum	Mas. Max. M.C. Mech. Membr. Met. Mfr. Mn. Min. Mirr. Misc. M.O.	Masonry Maximum Medicine Cabinet Mechanical Membrane Metal Manufacturer Manhole Minimum Mirror Miscellaneous Masonry Opening Mounted	Q.T.	Quarry Tile	R. Rad. R.D. Ref.	Riser Radius Roof Drain Reference	Tex. T.B. T.Bd.	Texture Towel Bar Tack Board	W. W/ W/o W/covering Wd. Wp. Window Wscst. Wt.	West With Without With covering Wood Waterproof Window Wainscot Weight

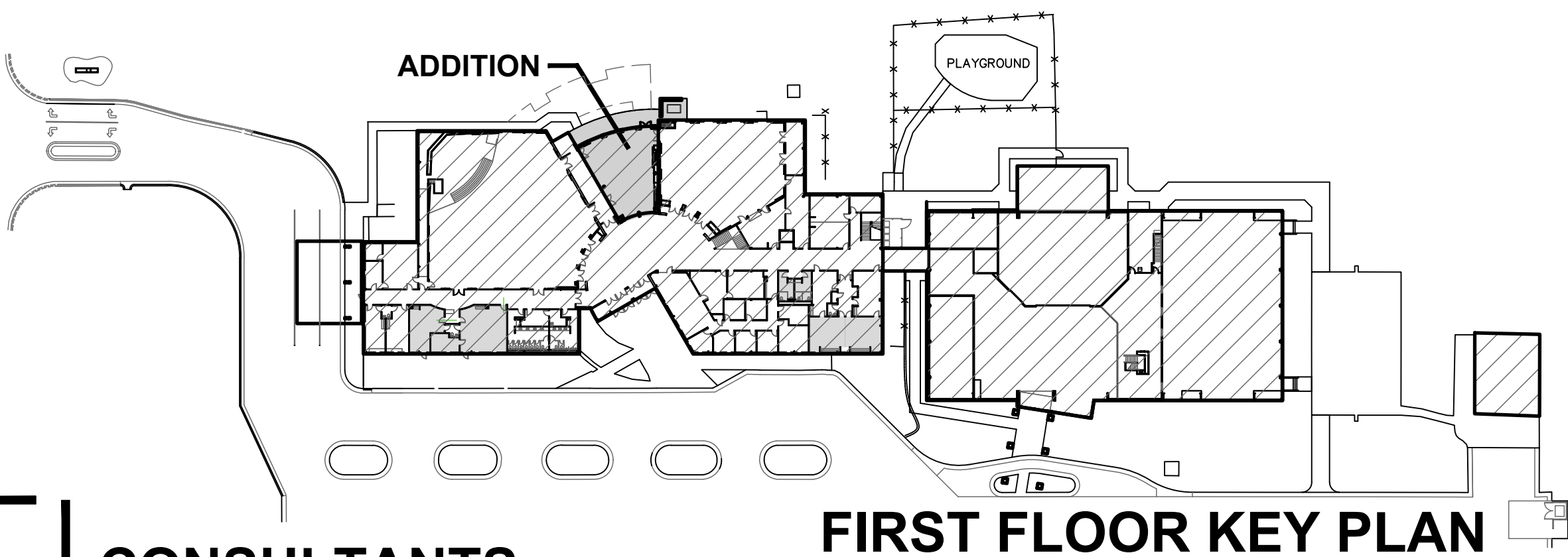


INTERIOR RENDERINGS



EXTERIOR RENDERINGS

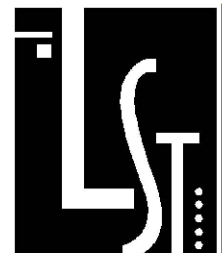
ALTERNATES
1- PATIO EXPANSION
2- SITE IMPROVEMENTS
3- WOOD PANELING
4- SOUTH CANOPY FOOTINGS
5- CONCRETE CURB REPAIRS



FIRST FLOOR KEY PLAN

CONSULTANTS

Mechanical & Electrical Engineer ;



LST Consulting Engineers, PA

4809 Vue Du Lac Place, Suite 301
Manhattan, KS. 66503
785.587.8042
mail@LSTengineers.com

Structural Engineer ;



Bob D. Campbell & Co., Inc.

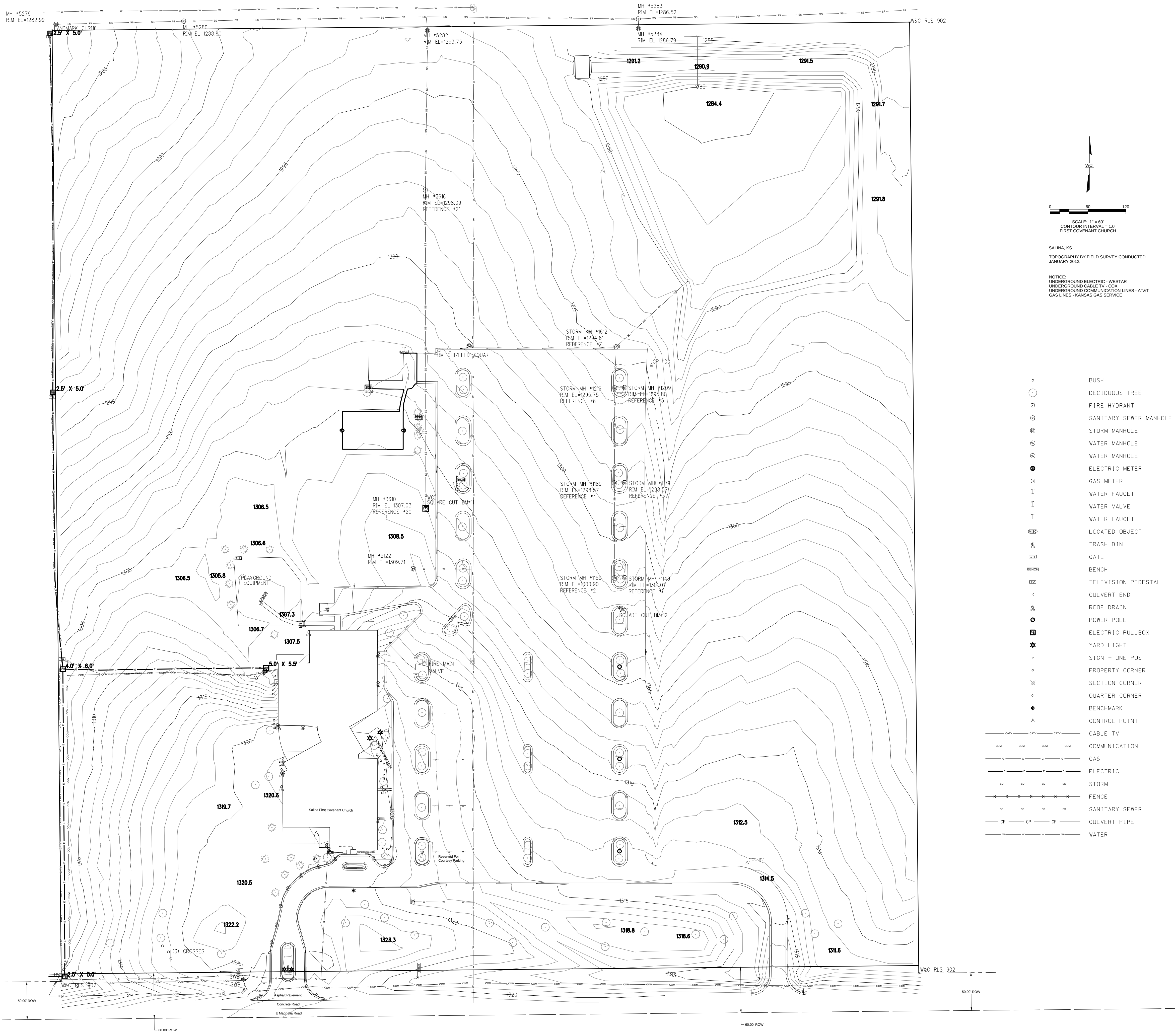
4338 Bellevue
Kansas City, MO 64111
816.531.4144
info@bdc-engrs.com

PERMIT SET 11-26-2025

MH 5279 -
RIM EL=1282.99

MH *5283
RIM EL=1286.52

W&C RLS 902



PLAN NOTES

NOTE 1 - INFANT ROOM #2
MINOR REMODEL INCLUDES:
-REMOVE PORTION OF EXISTING WALL AT PROPOSED NEW NAP AREA.
-REMOVE EXISTING SHELVES
-REMOVE EXISTING WINDOW, MODIFY EXISTING WALL FOR INSTALLATION OF NEW 3'-0" DOOR.

NOTE 2 - TODDLER ROOM #1
MINOR REMODEL INCLUDES:
-REMOVE EXISTING WINDOW, MODIFY EXISTING WALL FOR INSTALLATION OF NEW 3'-0" DOOR.

SHADED AREAS INDICATE SPACES TO BE USED AS PART OF LICENSED CHILDCARE

PROJECT INFORMATION

TYPE OF CONSTRUCTION
FACILITY/OWNER NAME
FACILITY/OWNER ADDRESS
COUNTY

REASON FOR SUBMITTAL

FIRE DEPARTMENT
WATER SUPPLY
BUILDING INSPECTION DEPT
AUTHORITY HAVING JURISDICTION
ARCHITECT

ADDITION
FIRST COVENANT CHURCH
2625 E MAGNOLIA ROAD
SALINA, KS 67401

ADDITION
SALINE
CITY OF SALINA
CITY OF SALINA
CITY OF SALINA
CITY OF SALINA

JONES GILLAM RENZ ARCHITECTS
730 N. NINTH ST.
SALINA, KS 67401
ph: 785-827-0386
fax: 785-827-0392

CODES/REGULATIONS

2018 INTERNATIONAL BUILDING CODE
2018 UNIFORM MECHANICAL CODE
2018 UNIFORM PLUMBING CODE
2017 NATIONAL ELECTRIC CODE
2018 INTERNATIONAL FIRE CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
KS FIRE PREVENTION CODE
NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS
NFPA 72 - FIRE ALARM SYSTEMS
NFPA 101 - LIFE SAFETY CODE

LEGEND

DESIGNATED EMERGENCY EXIT
68'724.4" - EXIT WIDTH (ACTUAL/REQUIRED)
122/340 - OCCUPANT LOAD (ACTUAL/ALLOWED)

EXISTING EXIT
HE HORIZONTAL EXIT

0 HOUR CONSTRUCTION
NON-RATED SMOKE TIGHT WALL ASSEMBLY
NON-RATED SMOKE TIGHT DOORS
TWO-HOUR RATED FIRE WALL
W/ 90 MIN. PROTECTED OPENINGS
EXISTING TWO-HOUR RATED FIRE WALL
W/ 90 MIN. PROTECTED OPENINGS - EXISTING CONDITION - NOT REQUIRED
EXISTING ONE-HOUR RATED EXIT ENCLOSURE
W/ 60 MIN. PROTECTED OPENINGS - EXISTING CONDITION - NOT REQUIRED
EXISTING ONE-HOUR RATED CORRIDOR
W/ 20 MIN. PROTECTED OPENINGS - EXISTING CONDITION - NOT REQUIRED
* 1 HOUR CORRIDOR NOT REQUIRED IN SPRINKLED BUILDING

EMERGENCY LIGHT (PROPOSED & EXIST. LOCATIONS)
EXIT LIGHT (PROPOSED & EXIST. LOCATIONS)
FIRE EXTINGUISHER (PROPOSED & EXIST. LOCATIONS)
FIRE HYDRANT
FIRE SPRINKLER RISER ROOM
FIRE DEPARTMENT CONNECTION
FIRE ALARM ANNUNCIATOR PANEL
FIRE ALARM CONTROL PANEL

OCCUPANCY GROUP (AU - ACCESSORY USE)
OCCUPANCY USE
ROOM SQUARE FOOTAGE/OCCUPANT LOAD FACTOR
OCCUPANT LOAD/REQUIRED NUMBER OF EXITS

A-1
ASSEMBLY HALL
1,295 20
5,550 15
370 2

CODE INFORMATION - BUILDING 1

OCCUPANCY OVERALL: EXISTING
OCCUPANCY GROUPS: A-3, B, E*
E OCCUPANCY FOR LICENSED CHILDCARE AT SPACES INDICATED

CONSTRUCTION TYPE: II-B
BASIC ALLOWABLE AREA: A-3 9,500 SF
B 23,000 SF

ALLOWABLE AREA INCREASE: (NON-SEPARATED USES. PER IBC SEC. 508.3.2)
A-3
BASE ALLOWABLE 9,500 SF
AREA INCREASE (37.99%) 3,609 SF
SPRINKLER INCREASE (300%) 28,500 SF
ALLOWABLE AREA (PER FLOOR) 41,609 SF

ACTUAL BUILDING AREA:
LOWER LEVEL 14,270 SF
UPPER LEVEL 30,011 SF
ADDITION 1,683 SF
TOTAL BUILDING 45,964 SF

BASIC ALLOWABLE STORIES:
BASE ALLOWABLE 2
SPRINKLER INCREASE 1
ALLOWABLE HEIGHT 3

ACTUAL STORIES: 1
BASIC ALLOWABLE HEIGHT: 55'

BASE ALLOWABLE SPRINKLER INCREASE 20'
ALLOWABLE HEIGHT 75'
ACTUAL HEIGHT: 45'

FIRE RESISTANCE RATING FOR BUILDING ELEMENTS
STRUCTURAL FRAME: 0 HOUR
INTERIOR BEARING WALLS: 0 HOUR
INTERIOR NON-BEARING WALLS: 0 HOUR
EXTERIOR BEARING WALLS: 0 HOUR
EXTERIOR NON-BEARING WALLS: 0 HOUR
FLOOR/CEILING: 0 HOUR
CEILING/ROOF: 0 HOUR
SHAFT ENCLOSURES: 1 HOUR
(TWO OPEN STAIRS ALLOWED PER IBC SEC. 1020.1 ex. 9)

OCCUPANCY SEPARATIONS: (NON-SEPARATED USES. PER IBC SEC. 508.3.2)
ALLOWABLE AREA & HEIGHT CALCULATIONS ARE BASED ON THE MOST RESTRICTIVE USE. DIFFERENT USES ARE NOT SEPARATED BY FIRE BARRIERS.

INCIDENTAL SEPARATIONS: (PER IBC TABLE 606.2)
FURNACE ROOM 400,000 BTU N/A PER SPRINKLER
STORAGE ROOMS OVER 100 SF N/A PER SPRINKLER

SPECIAL CONDITIONS:
EXIT & EMERGENCY LIGHTING
PORTABLE FIRE EXTINGUISHERS
FIRE ALARM REQUIREMENTS:
REQUIRED - PROVIDED INSTALL PER NFPA 72

AUTOMATIC FIRE SUPPRESSION SYSTEM:
REQUIRED - INSTALL PER NFPA 13

EMERGENCY POWER SOURCE:
EXIT SIGNS, EXIT ILLUMINATION & EMERGENCY LIGHTING PROVIDED

HAZARDOUS MATERIALS: (PER IBC TABLE 307.1)
-

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

TOTAL OCCUPANT LOAD: 1,737
EXITING: REFERENCE PLAN

OCCUPANT LOAD FACTORS:
OCCUPANCY USE LOAD FACTOR OCCS= 2-EXITS
A-3 WORSHIP 7 sf/OCCUPANT 49
A-4 GYMNASIUM SEATING PER IBC 1004.7 49
B OFFICE 100 sf/OCCUPANT 49
S-1 STORAGE 300 sf/OCCUPANT 29

CODE INFORMATION BUILDING 2

OCCUPANCY OVERALL: WORSHIP, GYMNASIUM
OCCUPANCY GROUPS: A-3, A-4, B, S-1
CONSTRUCTION TYPE: II-B
BASIC ALLOWABLE AREA: A-3 9,500 SF
A-4 9,500 SF
B 23,000 SF
S-1 17,500 SF

ALLOWABLE AREA INCREASE: (NON-SEPARATED USES. PER IBC SEC. 508.3.2)
A-3
BASE ALLOWABLE 9,500 SF
AREA INCREASE (40.36%) 3,834 SF
SPRINKLER INCREASE (200%) 28,500 SF
ALLOWABLE AREA (PER FLOOR) 41,834 SF

ACTUAL BUILDING AREA: ADDITION
SECOND FLOOR 22,526 SF
FIRST FLOOR 2,153 SF*
TOTAL BUILDING 22,526 SF

*MEZZANINE NOT INCLUDED IN TOTAL PER IBC SEC. 505.1)

BASIC ALLOWABLE STORIES:
BASE ALLOWABLE 2
SPRINKLER INCREASE 1
ALLOWABLE HEIGHT 3

ACTUAL STORIES: 1
BASIC ALLOWABLE HEIGHT: 55'

BASE ALLOWABLE SPRINKLER INCREASE 20'
ALLOWABLE HEIGHT 75'
ACTUAL HEIGHT: 45'

FIRE RESISTANCE RATING FOR BUILDING ELEMENTS
STRUCTURAL FRAME: 0 HOUR
INTERIOR BEARING WALLS: 0 HOUR
INTERIOR NON-BEARING WALLS: 0 HOUR
EXTERIOR BEARING WALLS: 0 HOUR
EXTERIOR NON-BEARING WALLS: 0 HOUR
FLOOR/CEILING: 0 HOUR
CEILING/ROOF: 0 HOUR
SHAFT ENCLOSURES: 1 HOUR
(TWO OPEN STAIRS ALLOWED PER IBC SEC. 1020.1 ex. 9)

OCCUPANCY SEPARATIONS: (NON-SEPARATED USES. PER IBC SEC. 508.3.2)
ALLOWABLE AREA & HEIGHT CALCULATIONS ARE BASED ON THE MOST RESTRICTIVE USE. DIFFERENT USES ARE NOT SEPARATED BY FIRE BARRIERS.

INCIDENTAL SEPARATIONS: (PER IBC TABLE 606.2)
FURNACE ROOM 400,000 BTU N/A PER SPRINKLER
STORAGE ROOMS OVER 100 SF N/A PER SPRINKLER

WHERE SPRINKLER SYSTEM IS USED FOR 1 HR SUBSTITUTION AT INCIDENTAL USES, DOORS SHALL BE SELF CLOSING & SMOKE GASKETED.

SPECIAL CONDITIONS:
EXIT & EMERGENCY LIGHTING
PORTABLE FIRE EXTINGUISHERS
FIRE ALARM REQUIREMENTS:
REQUIRED - PROVIDED INSTALL PER NFPA 72

AUTOMATIC FIRE SUPPRESSION SYSTEM:
REQUIRED - INSTALL PER NFPA 13
TYPE I HOOD FIRE SUPPRESSION SYSTEM - INSTALL PER UL300 AND NFPA 17A

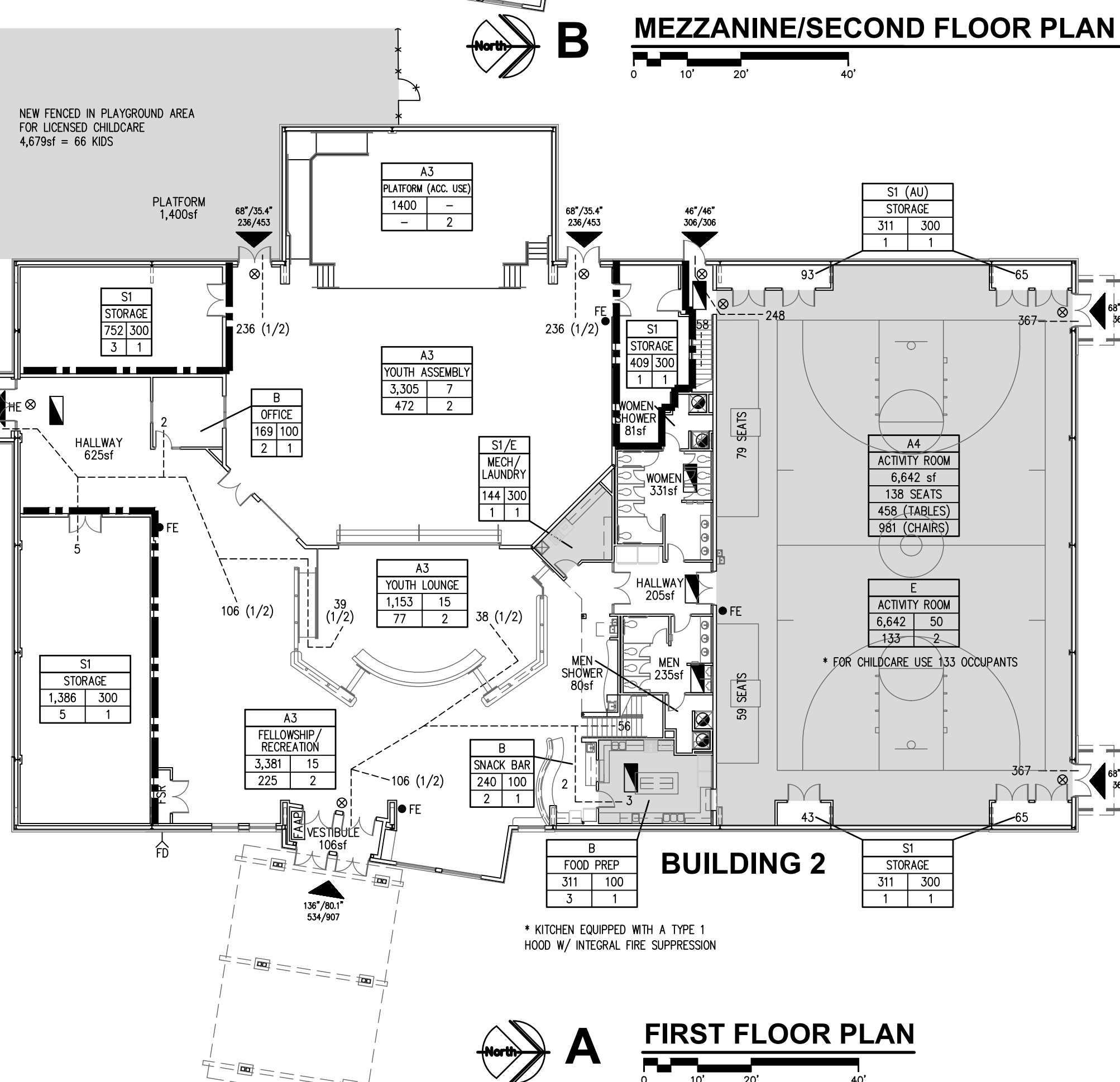
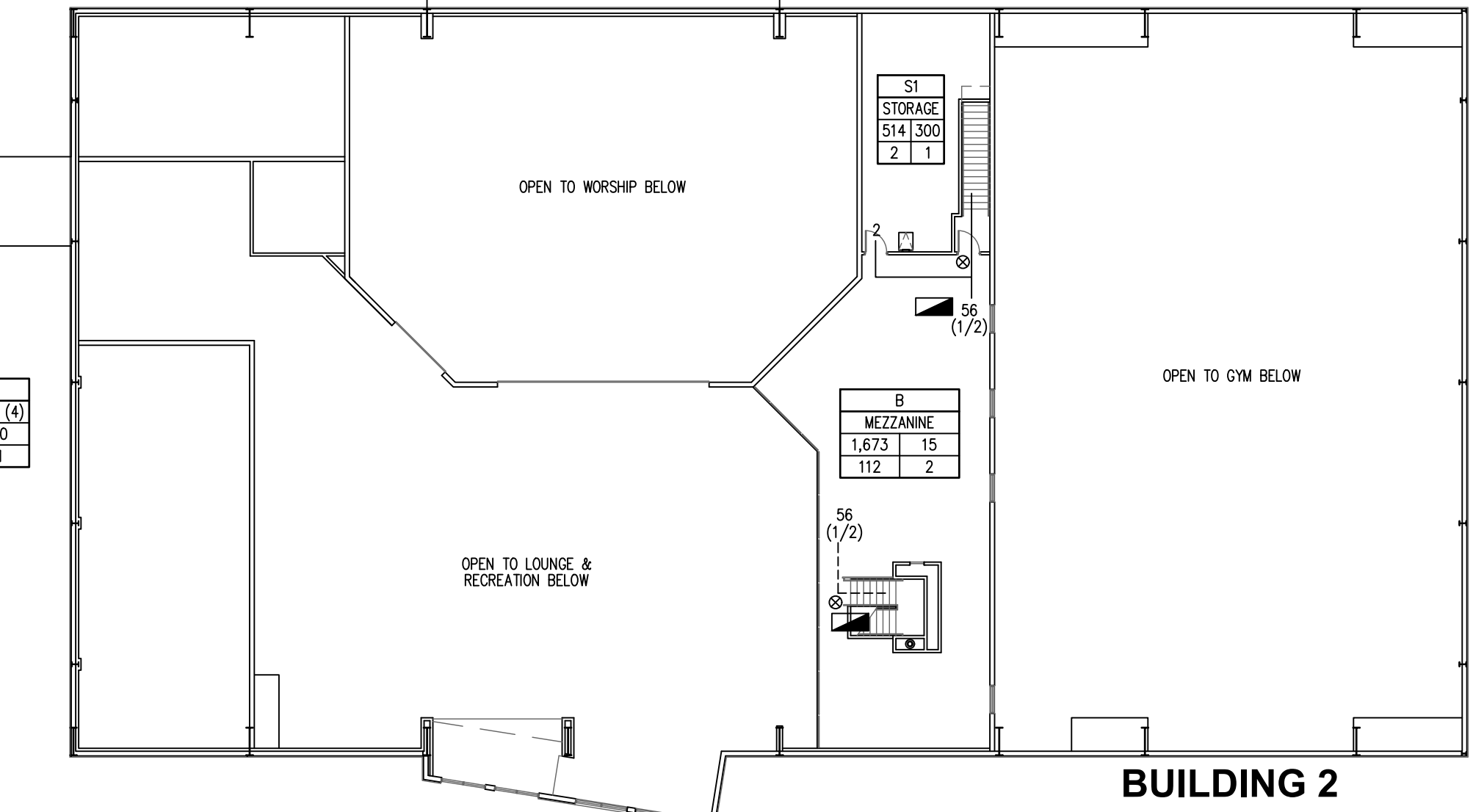
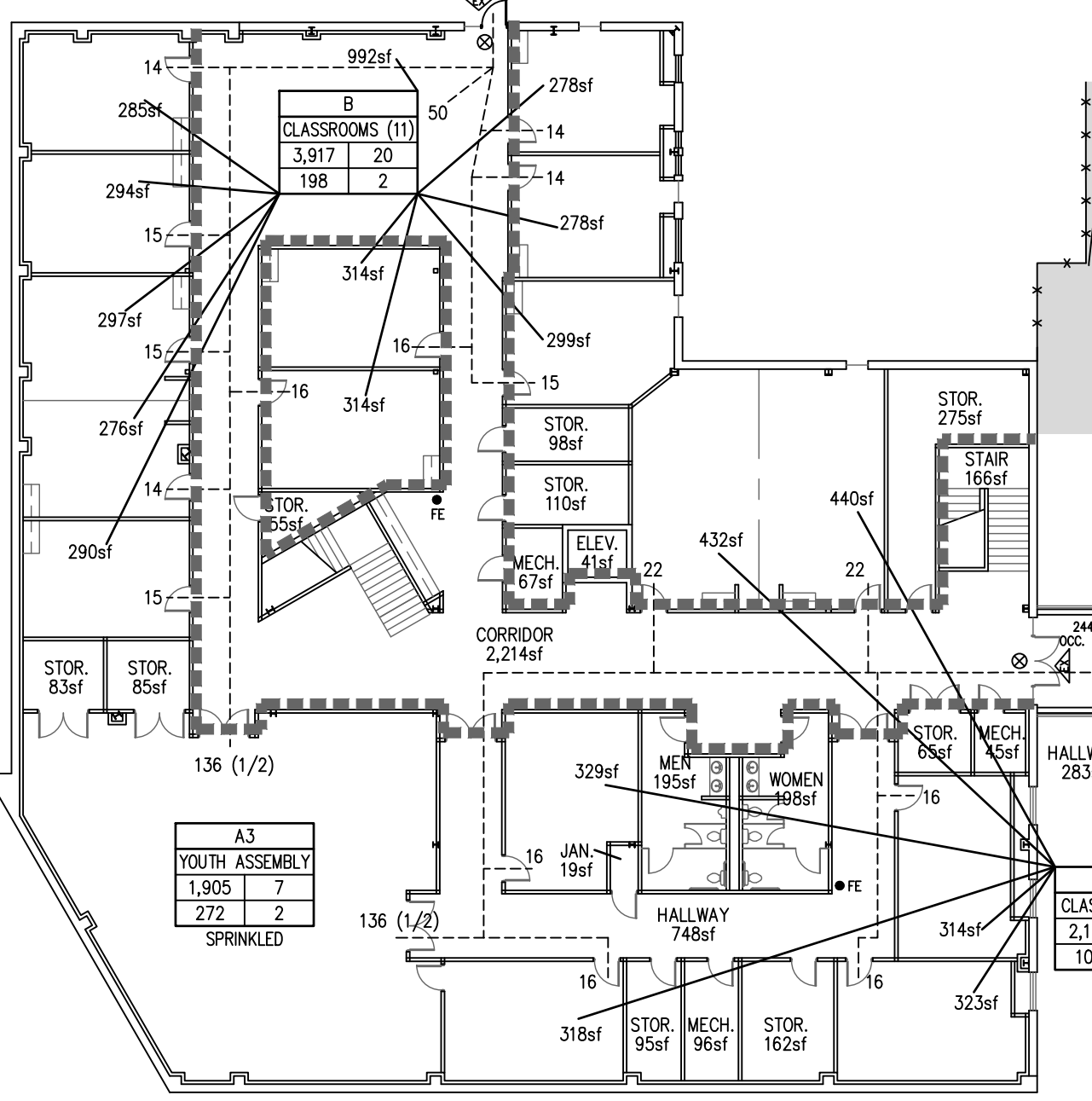
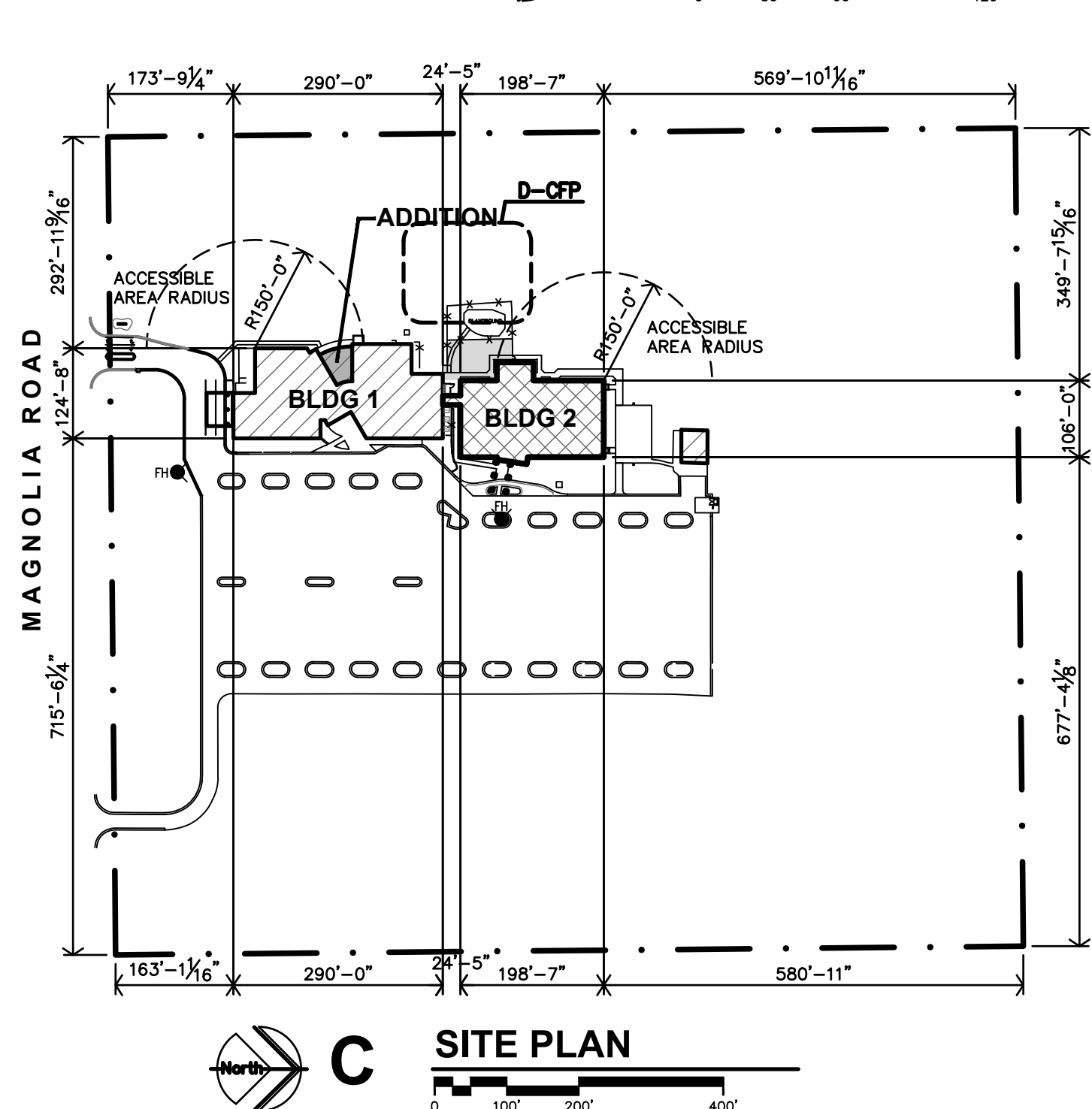
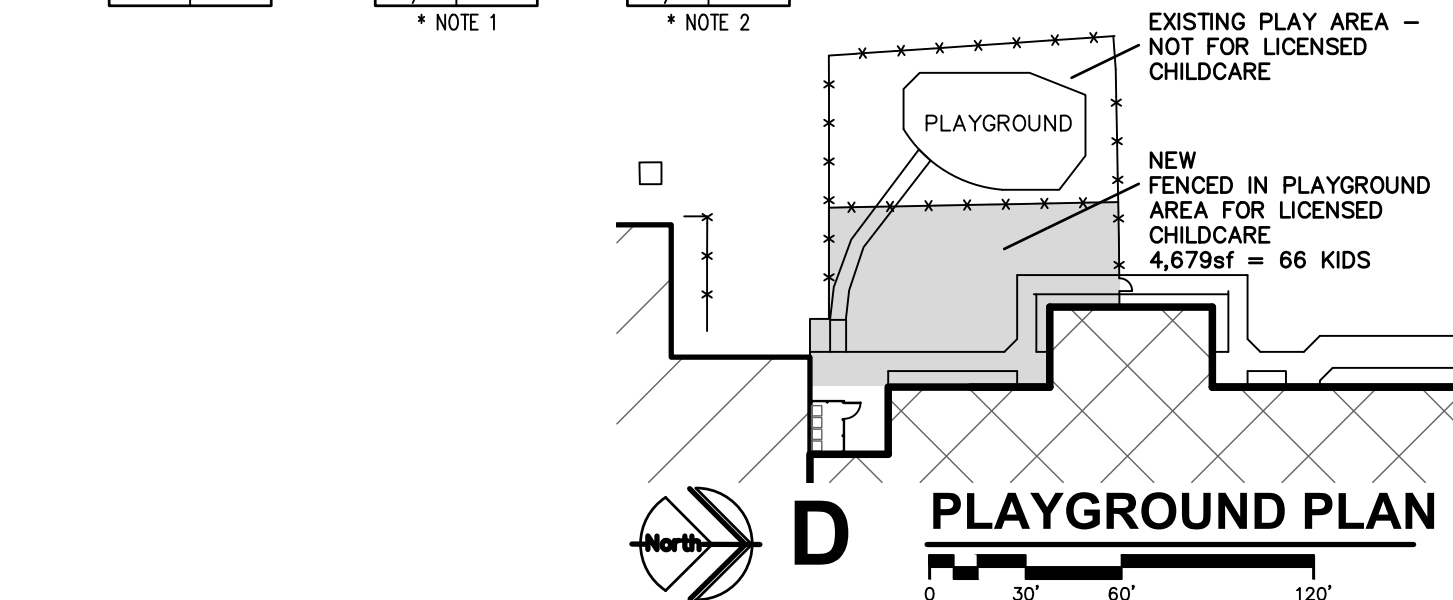
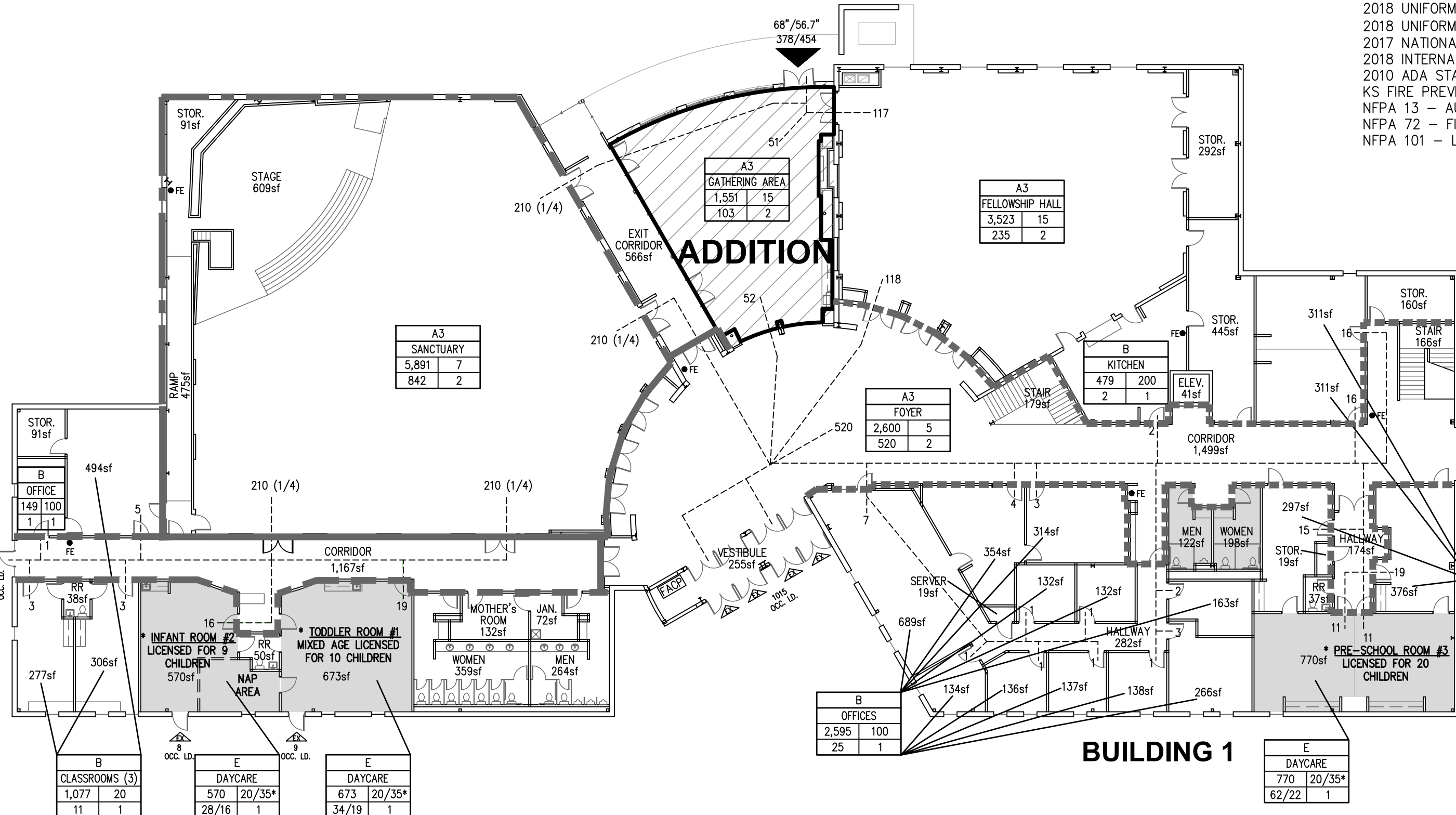
EMERGENCY POWER SOURCE:
EXIT SIGNS, EXIT ILLUMINATION & EMERGENCY LIGHTING PROVIDED

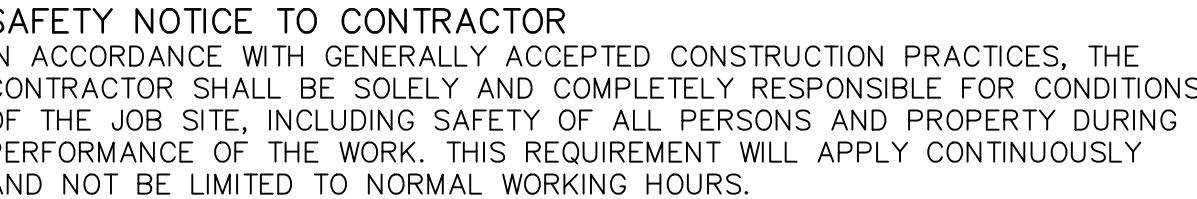
HAZARDOUS MATERIALS: (PER IBC TABLE 307.1)
-

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

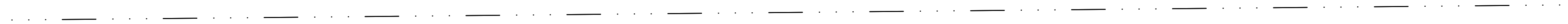
TOTAL OCCUPANT LOAD: 1,870
EXITING: REFERENCE PLAN

OCCUPANT LOAD FACTORS:
OCCUPANCY USE LOAD FACTOR OCCS= 2-EXITS
A-3 WORSHIP 7 sf/OCCUPANT 49
A-4 GYMNASIUM SEATING PER IBC 1004.7 49
B OFFICE 100 sf/OCCUPANT 49
S-1 STORAGE 300 sf/OCCUPANT 29

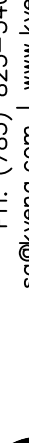




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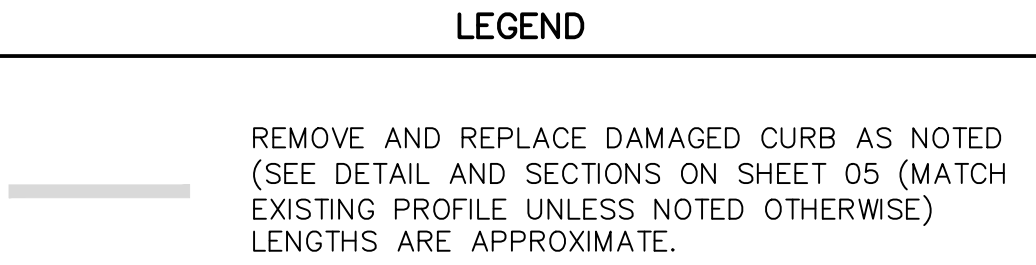


A graphic scale bar is located at the bottom of the page. It is a horizontal line with tick marks at 0, 10, 20, and 40 feet. Below the bar, the text "SCALE: 1" = 20'" is written. Above the scale bar, a north arrow points upwards, indicated by a small circle with an 'N' inside.

FIRST COVENANT CHURCH 2625 EAST MAGNOLIA ROAD SALINA, KANSAS 67401		 KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/26		PROJ. NO. E25D4061									
				DESIGNER MJR		DRAWN BY TDA							
CFN 4061SP													
SHEET C02		REV 0											



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REFER TO SHEETS
C01-C03 FOR ENTRANCE
IMPROVEMENTS BASE BID



MATTHEW J. ROWE
ENGINEER
KS # 29241

1627 SUNFLOWER LANE
SAULNA, KANSAS 67401
PH. (785) 823-3460
so@kveeng.com | www.kveeng.com

KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-11.3, EXPIRES 12/31/26

FIRST COVENANT CHURCH
2625 EAST MAGNOLIA ROAD
SALINA, KANSAS 67401

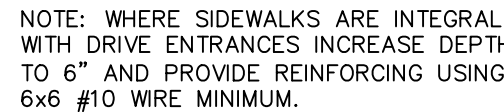
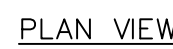
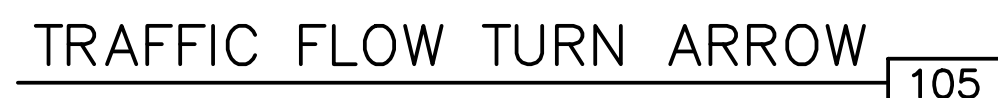
CIVIL PLANS
SITE IMPROVEMENTS - ALTERNATE 2

PROJ. NO.		E25D4061	
DESIGNER		DRAWN BY	
MJR		TDA	
CFN			
4061PAV			
SHEET		REV	
C04		0	

	0	11/10/25	INITIAL ISSUE		MUR	TDA	MUR
	REV	DATE	DESCRIPTION		DSN	DWN	CHK



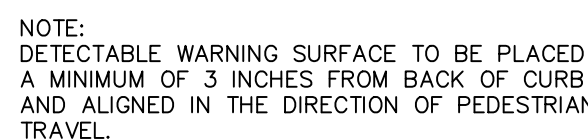
1. PORTLAND CEMENT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS WITH 6% ENTRAINED AIR $\pm 2\%$ AND SHALL MEET OR EXCEED THE SPECIFICATIONS SET FORTH IN THE LATEST EDITION OF THE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR STATE ROAD & BRIDGE CONSTRUCTION.



NOTE: CONCRETE SHALL BE CLASS A WITH
f'c = 3000 PSI.



CONCRETE DRAINAGE CURB CUT



ISOMETRIC OF RAMP WITH LANDING



-

MATTHEW J. ROWE
ENGINEER
KS # 29241

KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/26.

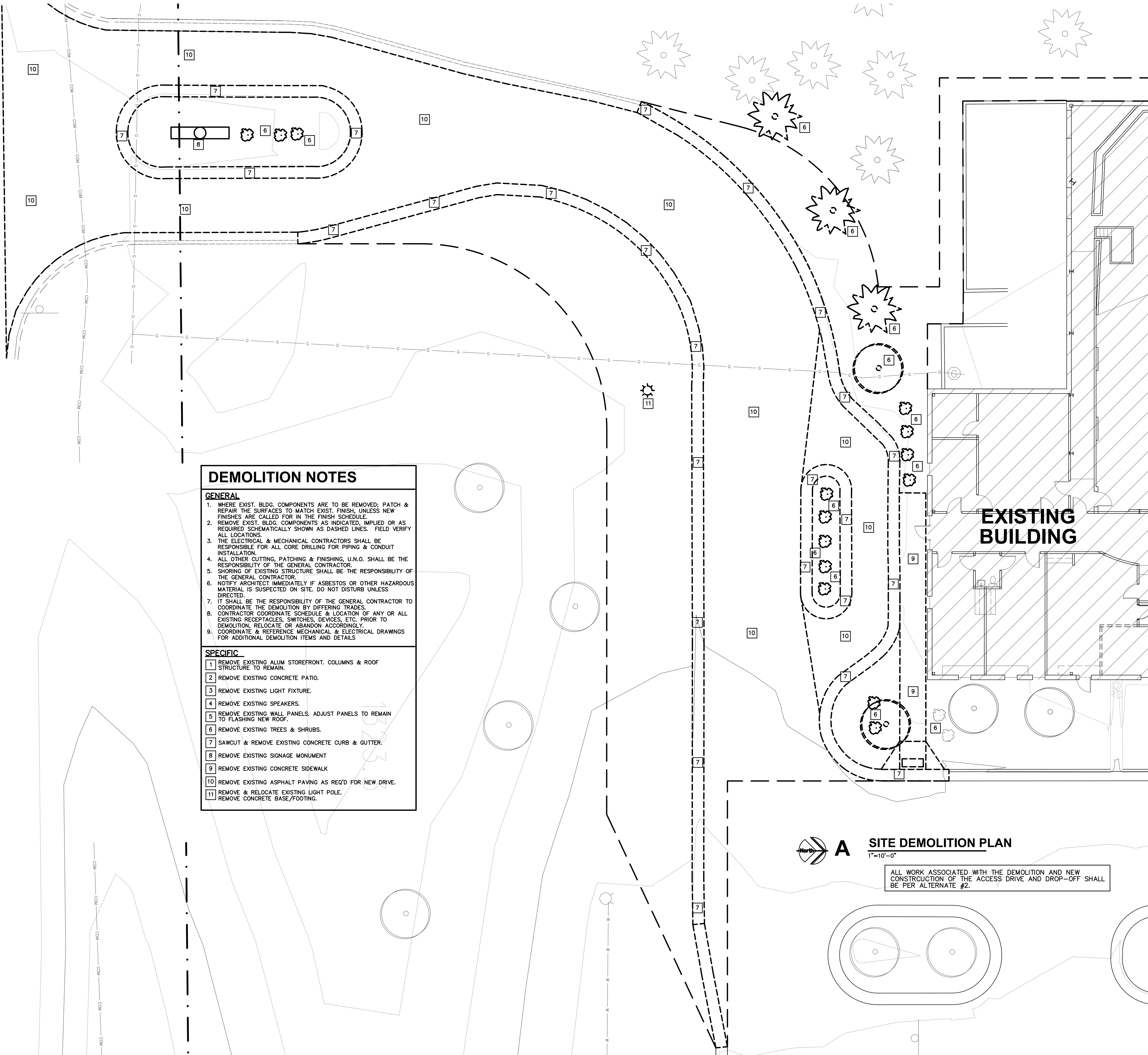
1627 SUNFLOWER LANE
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TEL: (785) 823-3400
FAX: (785) 823-3400
so@kveeng.com | www.kveeng.com

FIRST COVENANT CHURCH
2625 EAST MAGNOLIA ROAD
SALINA, KANSAS 67401

CIVIL PLANS
DETAIL SHEET

PROJ. NO.		E25D4061	
DESIGNER	MJR	DRAWN BY	TDA
CFN			
4061TYP			
SHEET		REV	
C06		0	

MAGNOLIA ROAD



DEMOLITION NOTES

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 REMOVE EXISTING ALUM STOREFRONT, COLUMNS & ROOF STRUCTURE TO REMAIN.

2 REMOVE EXISTING CONCRETE PATIO.

3 REMOVE EXISTING LIGHT FIXTURE.

4 REMOVE EXISTING SPEAKERS.

5 REMOVE EXISTING WALL PANELS. ADJUST PANELS TO REMAIN TO FLASHING NEW ROOF.

6 REMOVE EXISTING TREES & SHRUBS.

7 SAWCUT & REMOVE EXISTING CONCRETE CURB & GUTTER.

8 REMOVE EXISTING SIGNAGE MONUMENT

9 REMOVE EXISTING CONCRETE SIDEWALK

10 REMOVE EXISTING ASPHALT PAVING AS REQ'D FOR NEW DRIVE.

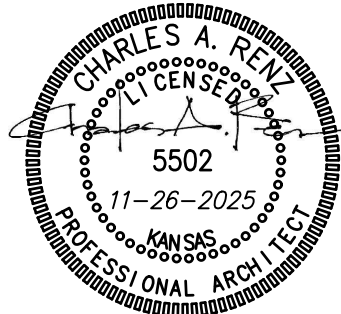
11 REMOVE & RELOCATE EXISTING LIGHT POLE.

REMOVE CONCRETE BASE/FOOTING.

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

ALL WORK ASSOCIATED WITH THE DEMOLITION AND NEW CONSTRUCTION OF THE ACCESS DRIVE AND DROP-OFF SHALL BE PER ALTERNATE #2.

FIRST COVENANT CHURCH
ADDITION
SALINA, KANSAS



REVISION:	
DATE:	11-26-2025
JOB:	25-3518
SHEET NO.:	

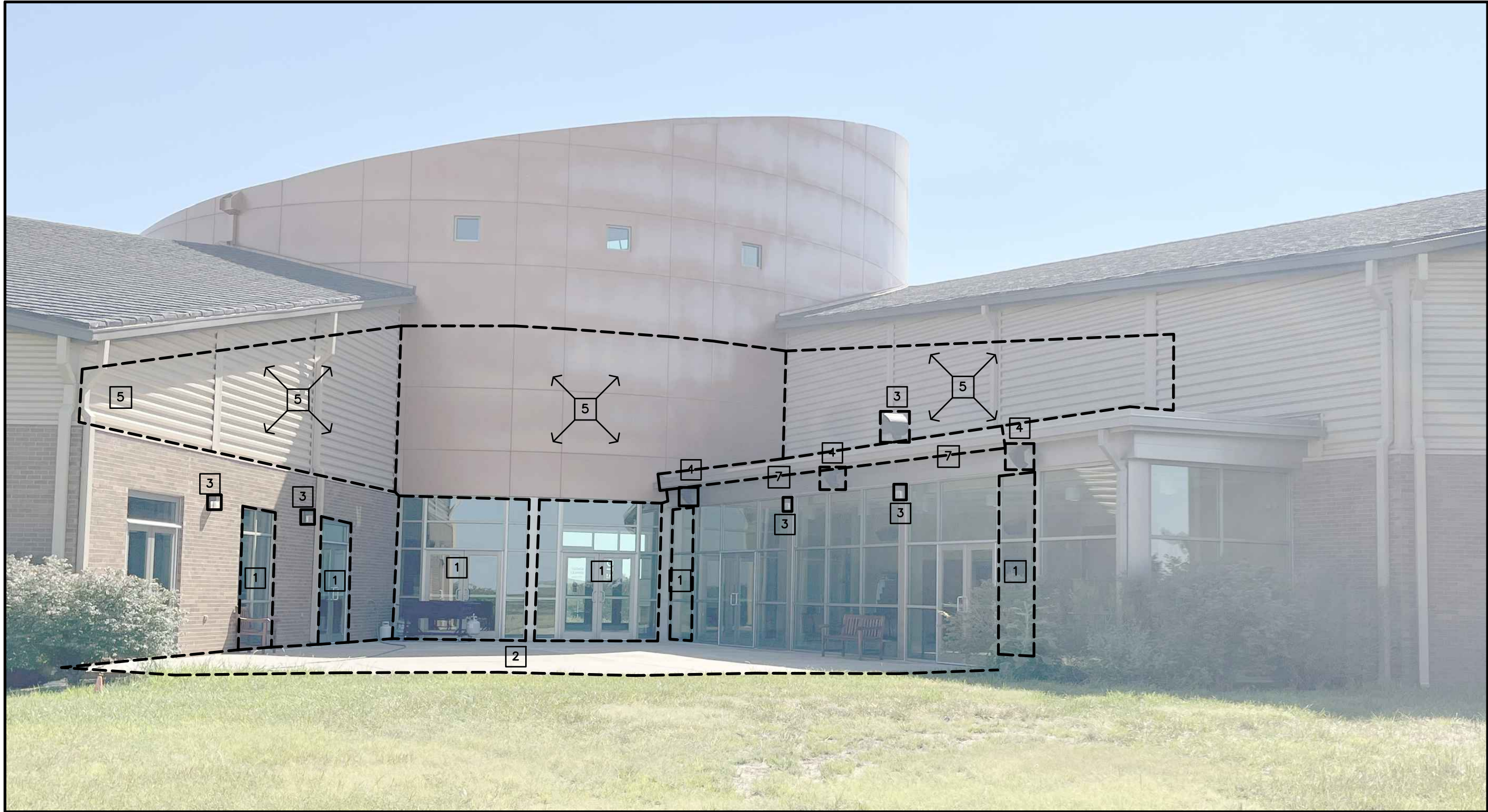
D1.1



3 PHOTOGRAPH
NO SCALE

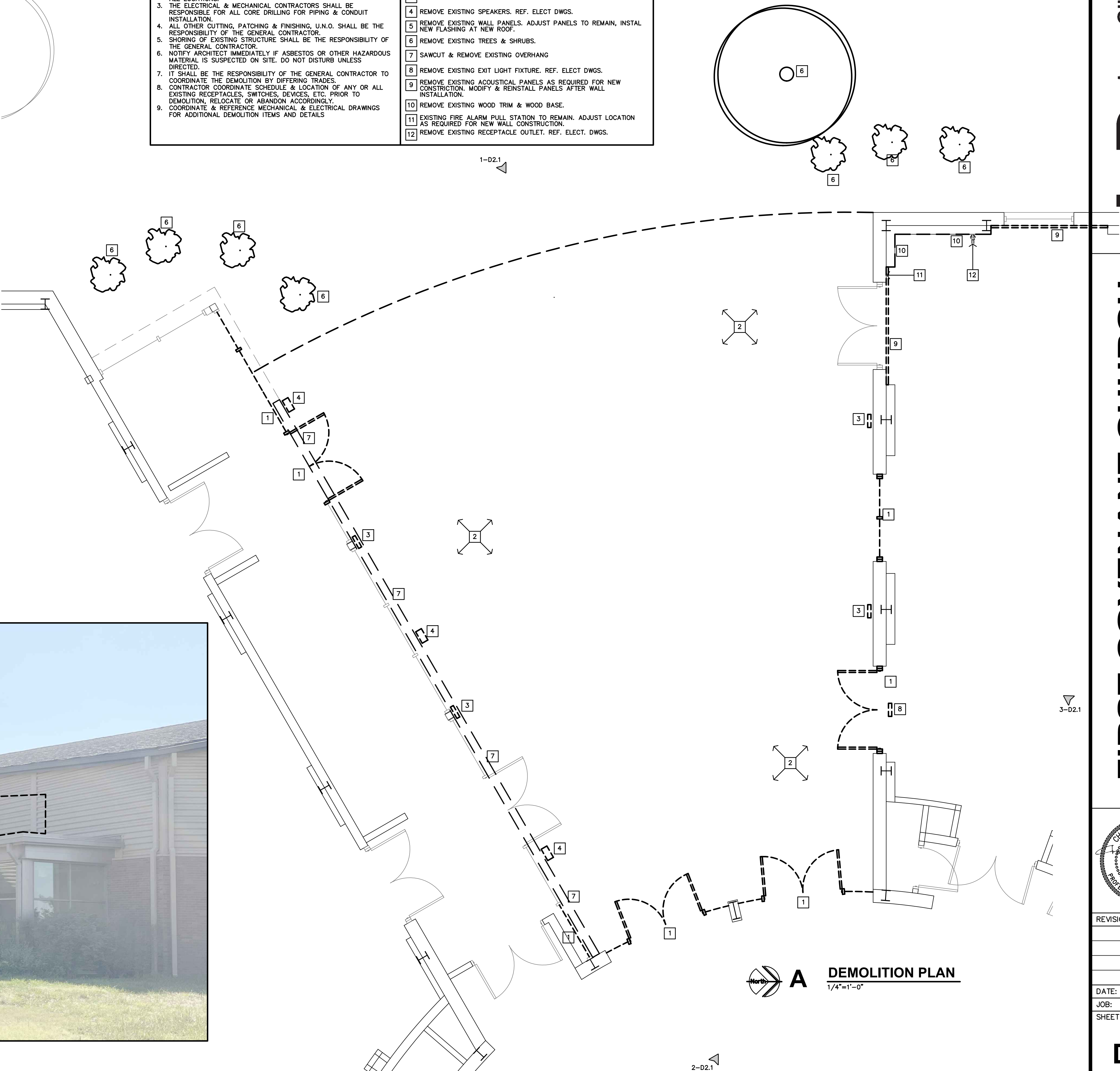


2 PHOTOGRAPH
NO SCALE

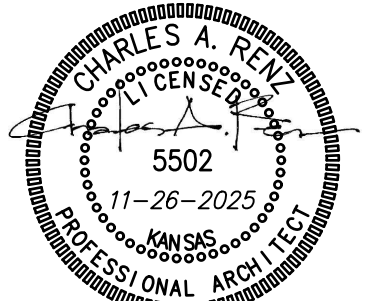


1 PHOTOGRAPH
NO SCALE

DEMOLITION NOTES	
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	REMOVE EXISTING GLASS PANELS. ALUM. FRAME TO REMAIN.
2	REMOVE EXISTING CONCRETE PATIO.
3	REMOVE EXISTING LIGHT FIXTURE. REF. ELECT DWGS.
4	REMOVE EXISTING SPEAKERS. REF. ELECT DWGS.
5	REMOVE EXISTING WALL PANELS. ADJUST PANELS TO REMAIN, INSTAL NEW FLASHING AT NEW ROOF.
6	REMOVE EXISTING TREES & SHRUBS.
7	SAWCUT & REMOVE EXISTING OVERHANG
8	REMOVE EXISTING EXIT LIGHT FIXTURE. REF. ELECT DWGS.
9	REMOVE EXISTING ACOUSTICAL PANELS AS REQUIRED FOR NEW CONSTRUCTION. MODIFY & REINSTALL PANELS AFTER WALL INSTALLATION.
10	REMOVE EXISTING WOOD TRIM & WOOD BASE.
11	EXISTING FIRE ALARM PULL STATION TO REMAIN. ADJUST LOCATION AS REQUIRED FOR NEW WALL CONSTRUCTION.
12	REMOVE EXISTING RECEPTACLE OUTLET. REF. ELECT. DWGS.



A DEMOLITION PLAN
1/4"=1'-0"



REVISION:	
DATE:	11-26-2025
JOB:	25-3518
SHEET NO.:	

[illegible]

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jgr@igarchitects.com

REVISION:

DATE: 11-26-2025

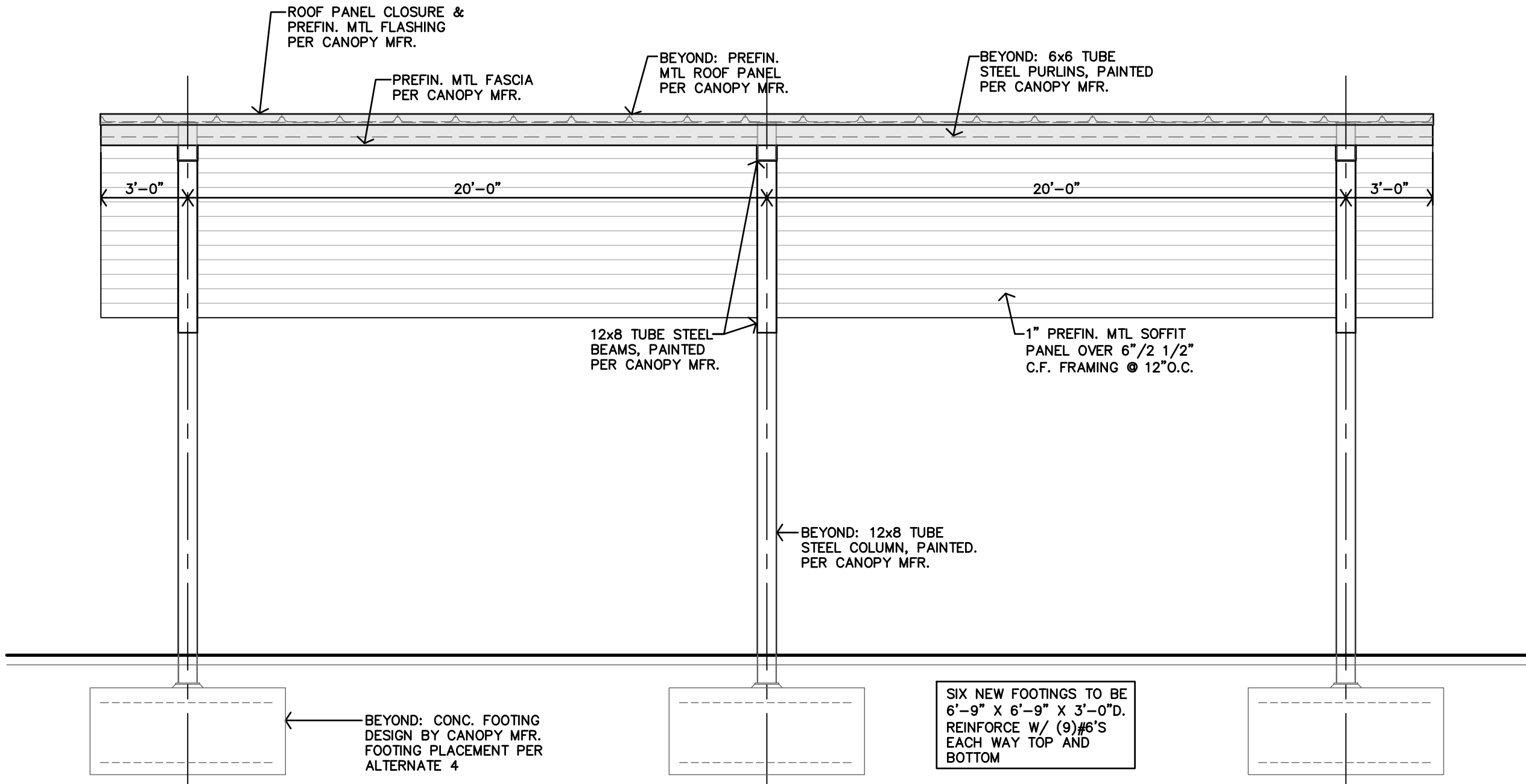
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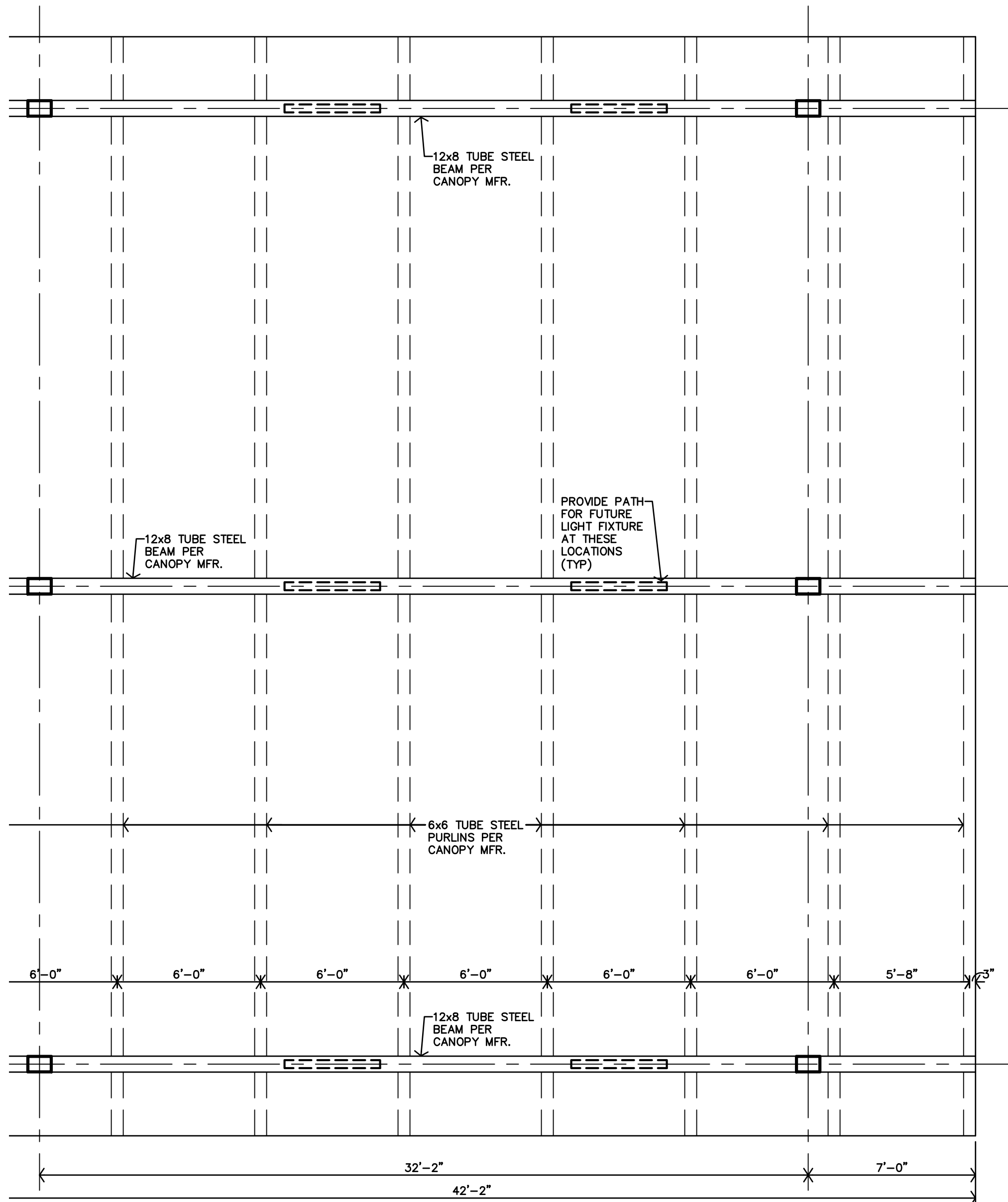
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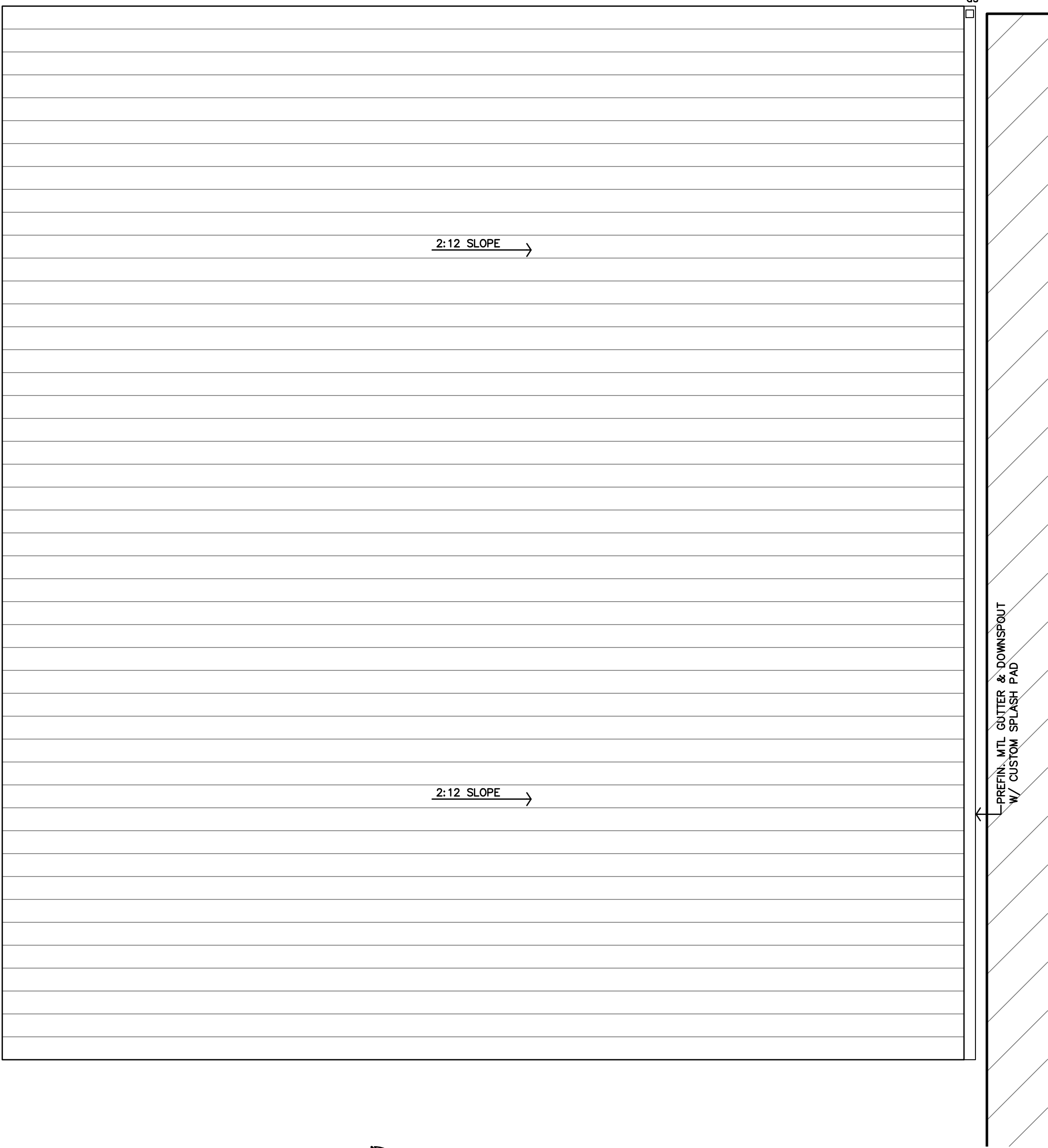
THIS SHEET IS FOR REFERENCE ONLY. THE CANOPY IS PER SEPARATE CONTACT AND NOT PART OF THIS PERMIT. THE INSTALLATION OF (6) NEW CONCRETE FOOTINGS SHALL BE PER THIS CONTRACT AND BID PER ALTERNATE 4. DRIVE-THRU CANOPY IS NOT IN CONTRACT, AND MAY BE CONSTRUCTED PER SEPARATE CONTRACT BY OWNER. CONSTRUCTION OF (6) FOOTINGS SHALL BE PER ALTERNATE 4



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

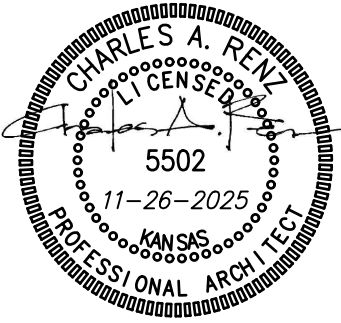


B ROOF FRAMING PLAN
1/4"=1'-0"

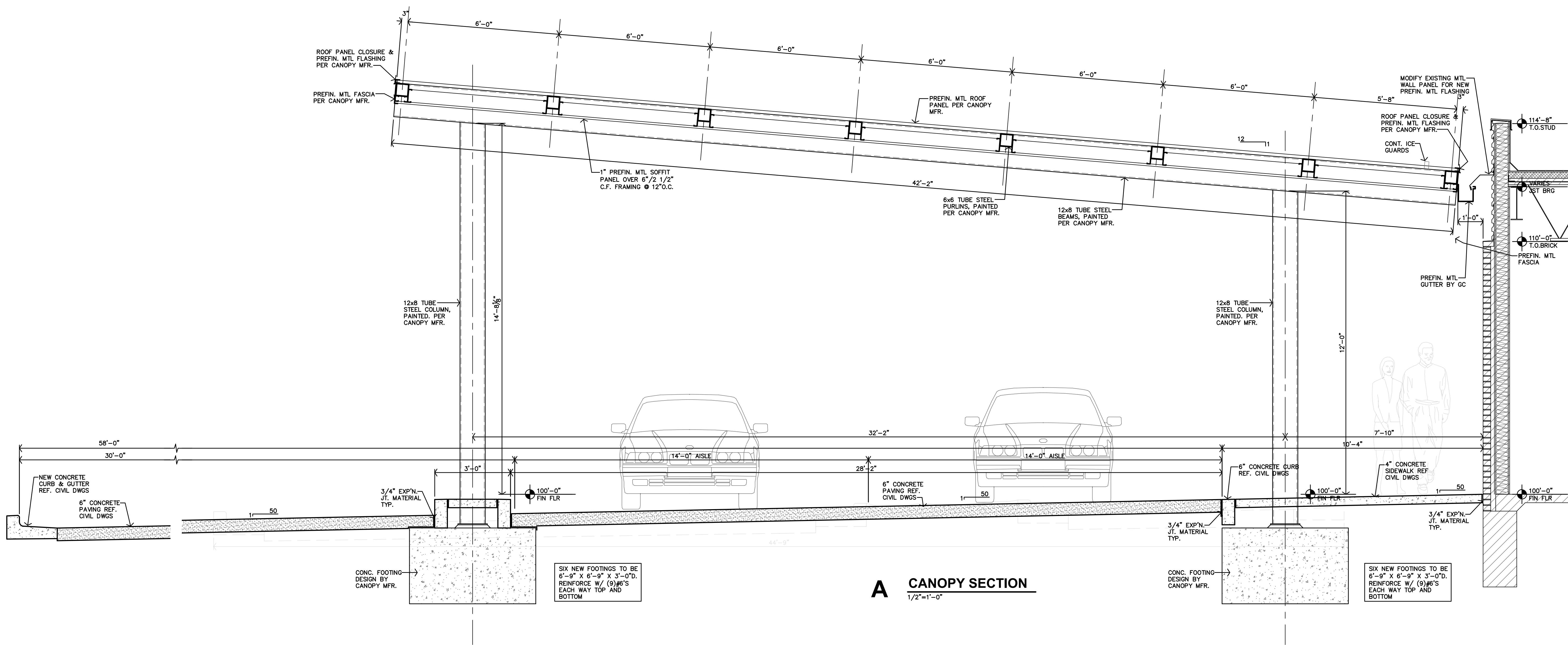


A ROOF PLAN
1/4"=1'-0"

FIRST COVENANT CHURCH
ADDITION
KANSAS
SALINA,



REVISION:	
DATE:	11-26-2025
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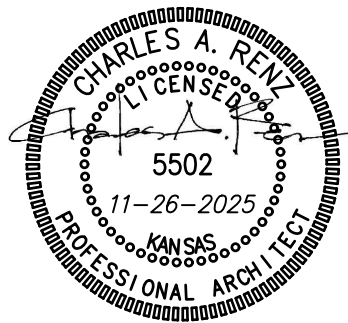


CANOPY INFO IS FOR REFERENCE ONLY. THE CANOPY IS PER SEPARATE CONTACT AND NOT PART OF THIS PERMIT. THE INSTALLATION OF (6) NEW CONCRETE FOOTINGS SHALL BE PER THIS CONTRACT AND BID PER ALTERNATE 4. DRIVE-THRU CANOPY IS NOT IN CONTRACT, AND MAY BE CONSTRUCTED PER SEPARATE CONTRACT BY OWNER. CONSTRUCTION OF (6) FOOTINGS SHALL BE PER ALTERNATE 4.

FIRST COVENANT CHURCH

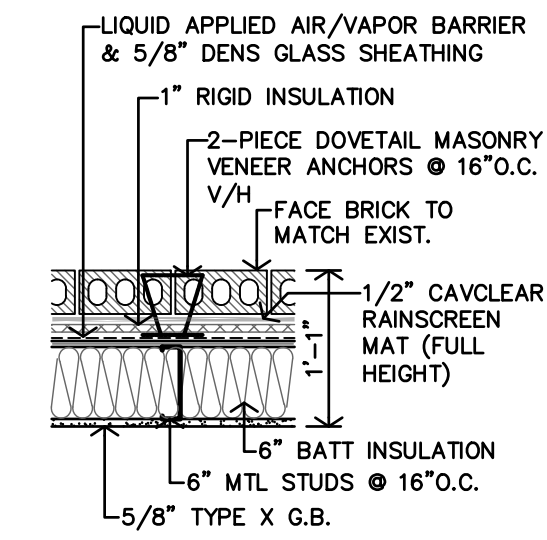
ADDITION

KANSAS



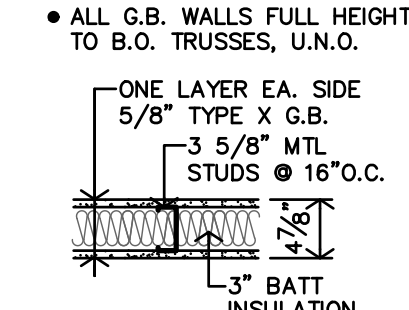
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DATE:	11-26-2025
JOB:	25-3518
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EXTERIOR PARTITION TYPES



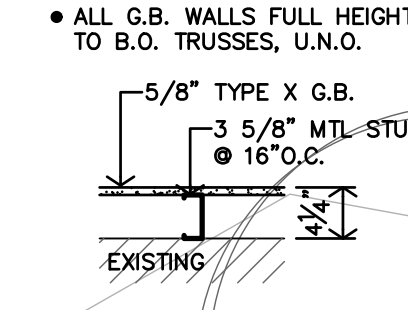
TYPE A

INTERIOR PARTITION TYPES



TYPE 1
TYPICALLY DIMENSIONED
AS 8" ON PLANS

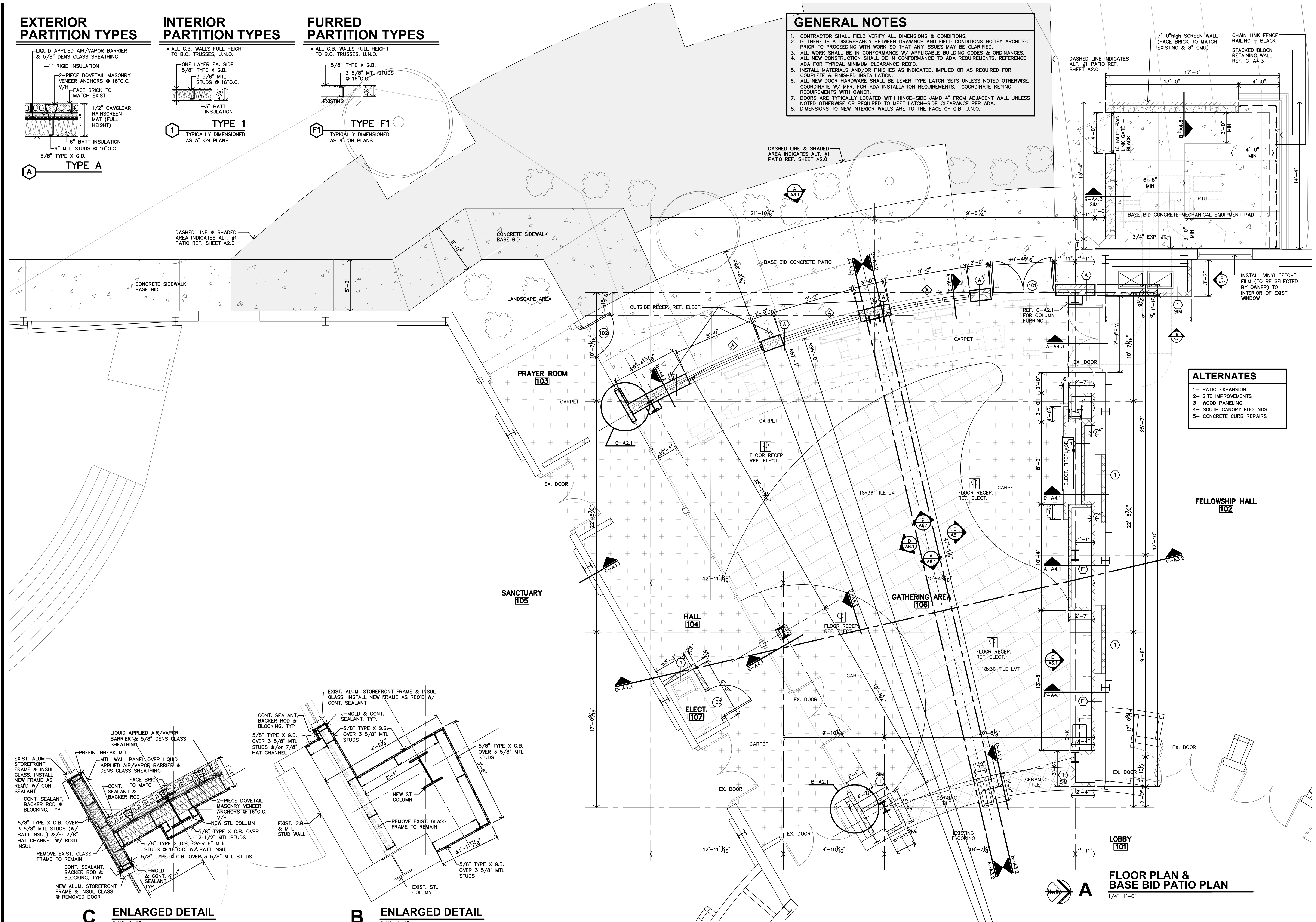
FURRED PARTITION TYPES



TYPE F1
TYPICALLY DIMENSIONED
AS 4" ON PLANS

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.



- ### ALTERNATES
- 1- PATIO EXPANSION
 - 2- SITE IMPROVEMENTS
 - 3- WOOD PANELING
 - 4- SOUTH CANOPY FOOTINGS
 - 5- CONCRETE CURB REPAIRS

C ENLARGED DETAIL
3/4"=1'-0"

B ENLARGED DETAIL
3/4"=1'-0"

FLOOR PLAN & BASE BID PATIO PLAN
1/4"=1'-0"

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JGR

FIRST COVENANT CHURCH
ADDITION
SALINA, KANSAS

CHARLES A. RENZ
5502
11-26-2025
PROFESSIONAL ARCHITECT

REVISION:

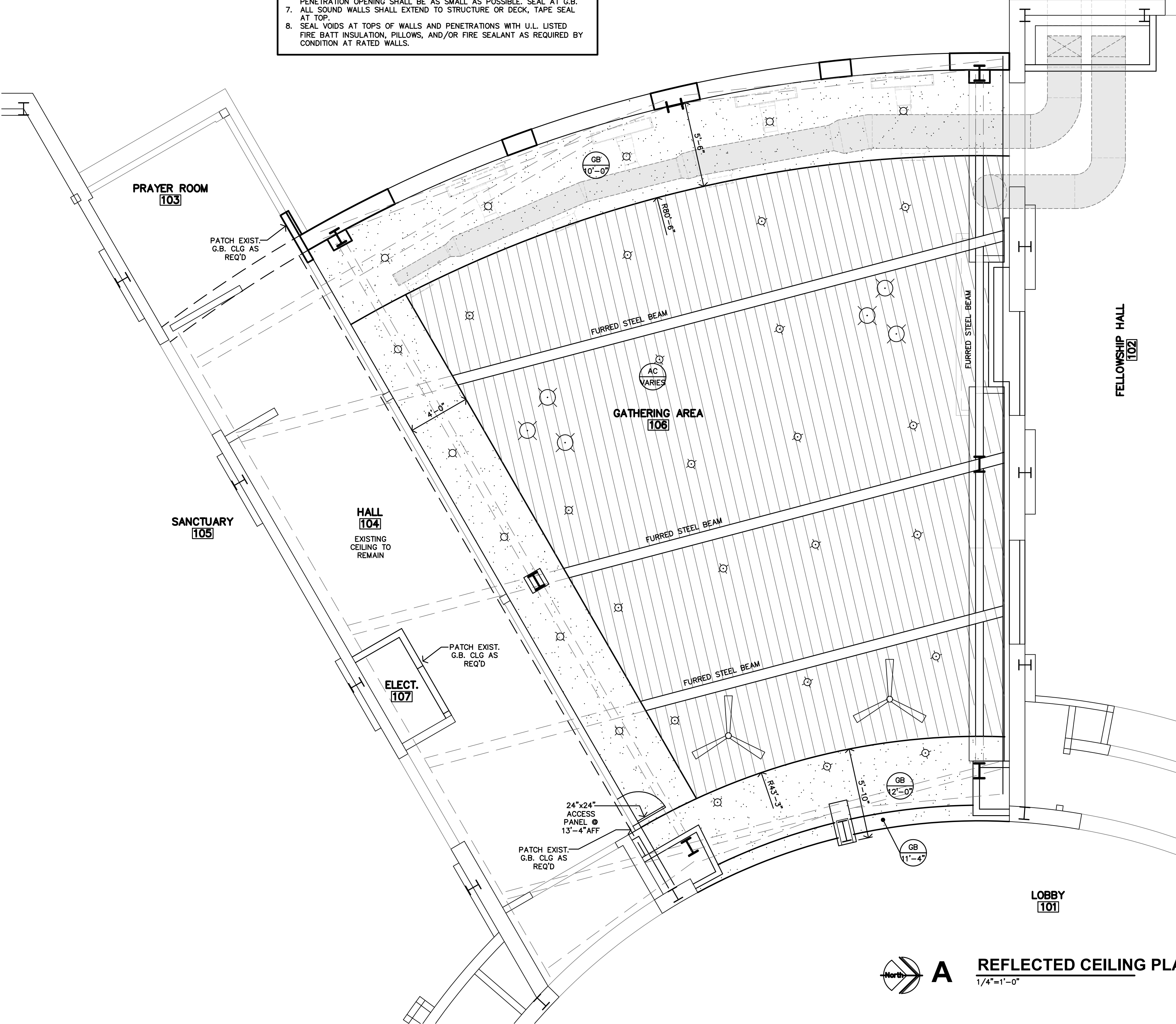
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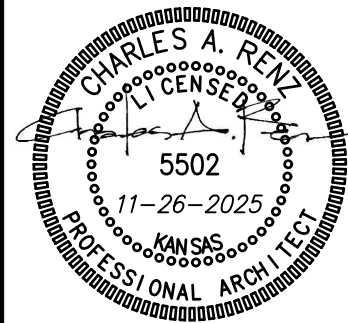
CEILING TYPES	
REFER SPECIFICATIONS	
AC	ACOUSTICAL DECK
GB	GYP. BD (PAINTED)
ST	EXPOSED STRUCTURE & DECK
EX	EXISTING
CLG. TYPE	
CLG. HEIGHT A.F.F.	

- 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. CONDUITS AND PIPING, INCLUDING BUT NOT LIMITED TO SPRINKLER PIPING SHALL BE DISCREETLY RUN WITHIN FURRED AREAS WHERE POSSIBLE. EXPOSED PIPE SHALL BE LIMITED AND FIT/ALIGN NEATLY WITH THE 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. AT TOP.
 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.

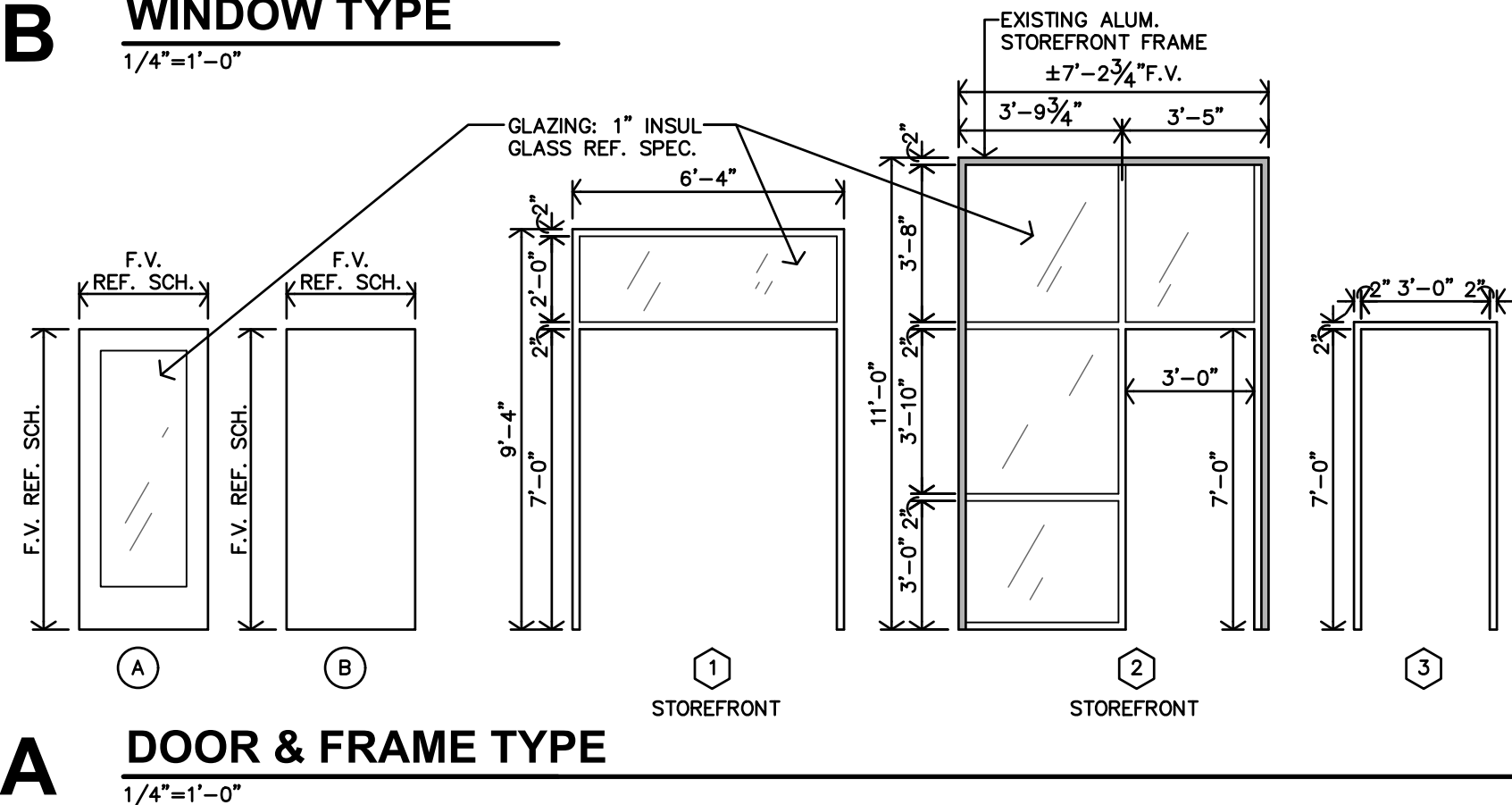
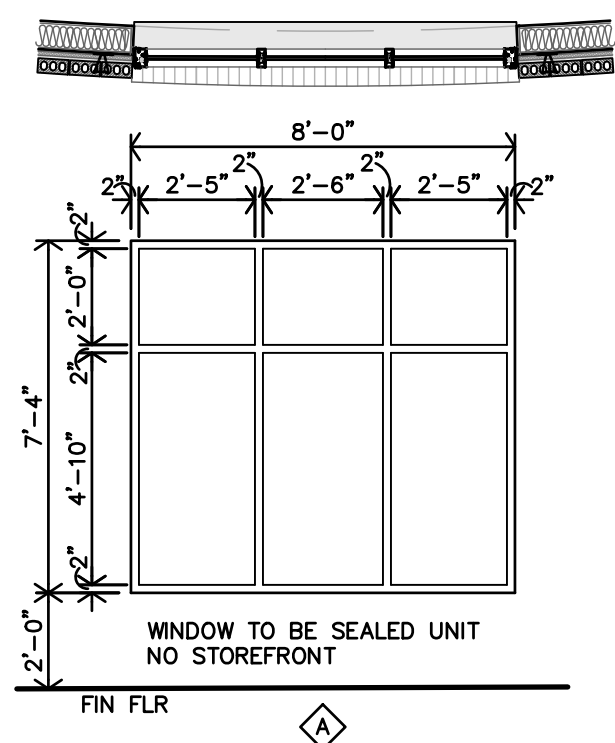
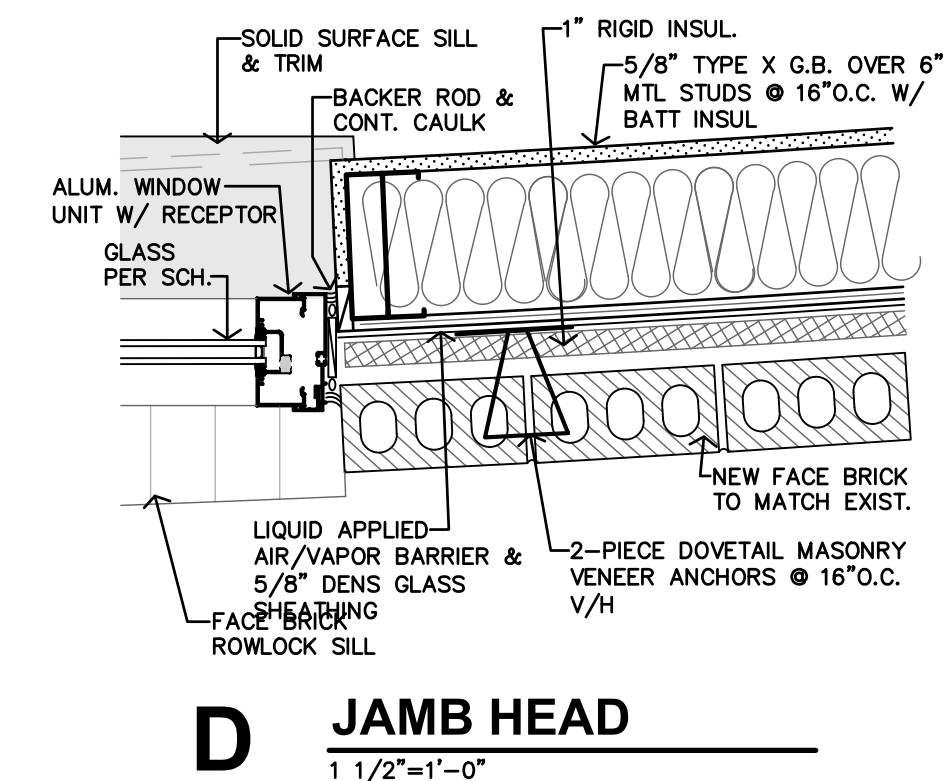
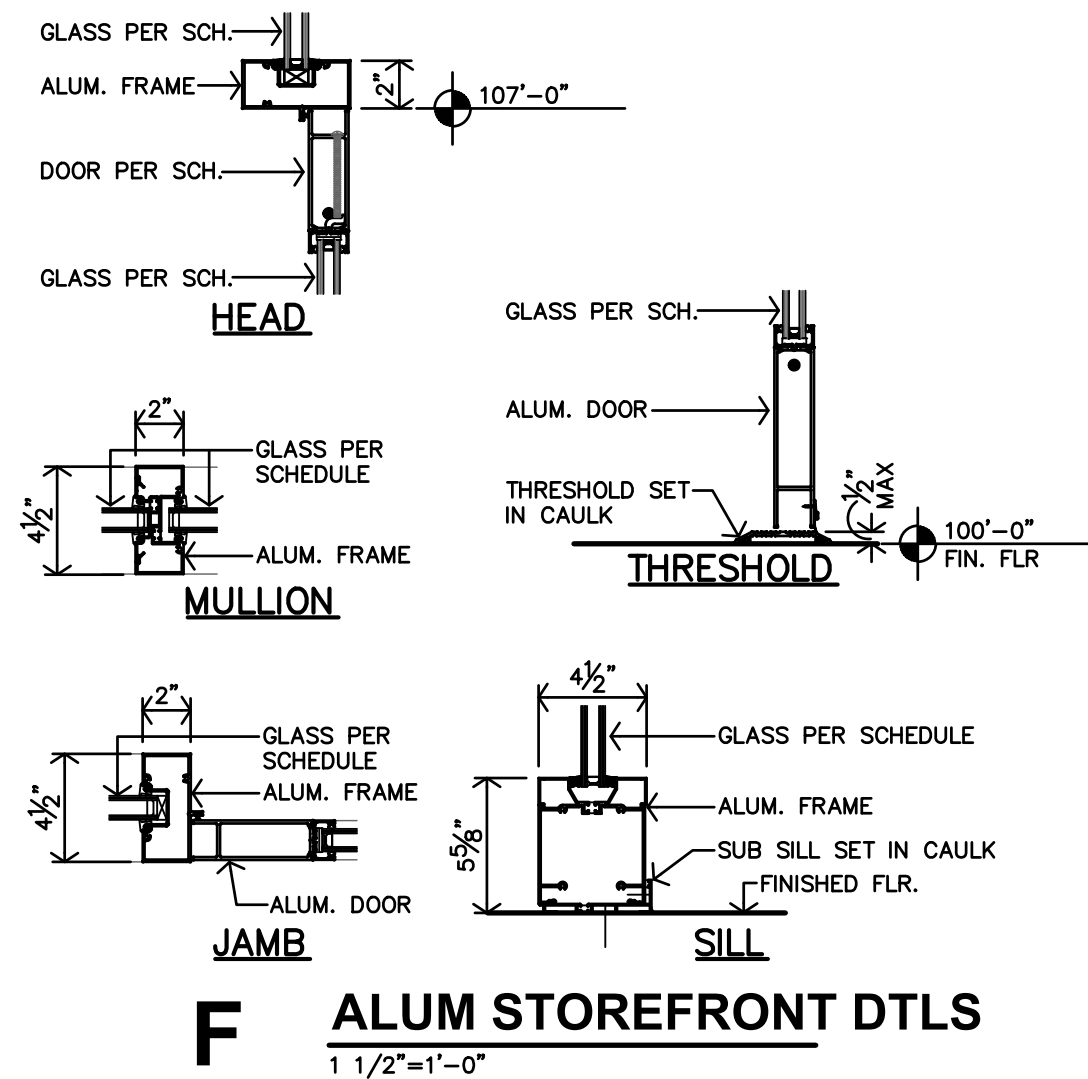


REFLECTED CEILING PLAN
1/4"=1'-0"

FIRST COVENANT CHURCH
ADDITION
KANSAS
SALINA,



REVISION:	
DATE:	11-26-2025
JOB:	25-3518
SHEET NO.:	



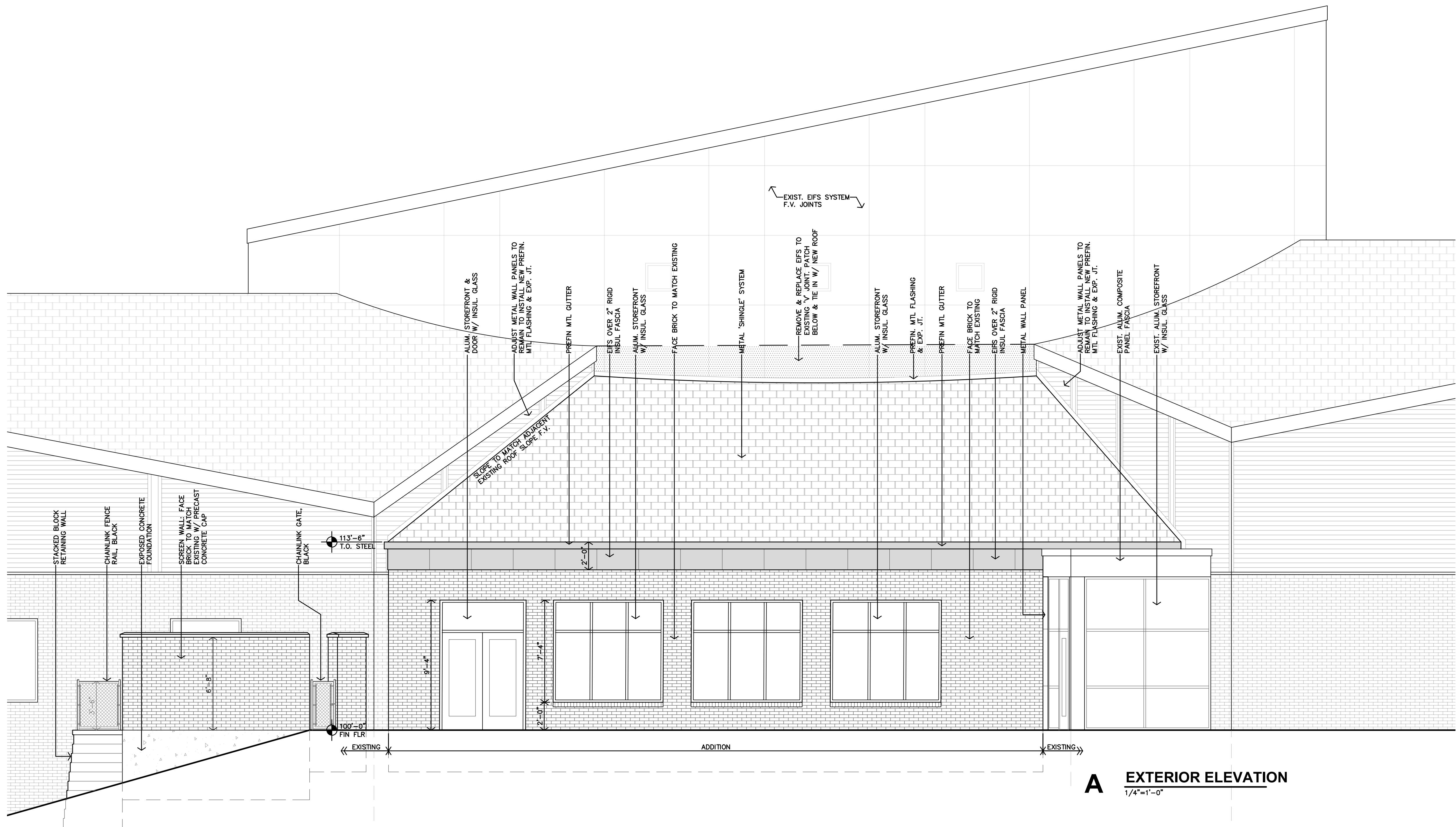
FINISHES & INSTALLATIONS																
P1 LATEX ENAMEL			LVT LUXURY VINYL TILE			T TILE			FP FIBERGLAS REINF. PANEL							
C1 CARPET			M METAL WRAP			ST STAIN & SEAL			TX TEXTURE							
SC SEALED CONCRETE			RB RUBBER BASE			GT GLUE-UP TILE										
NO.	DESCRIPTION	FLOOR		BASE		N.WALL		E.WALL		S.WALL		W.WALL		CEILING		REMARKS
		CARPET	LVT 18x36 TILES	CERAMIC TILE	WOOD	SELF COVE RUBBER BASE	EXISTING	5/8" FIRE RATED G.B.	EXISTING	5/8" FIRE RATED G.B.	EXISTING	5/8" FIRE RATED G.B.	EXISTING	5/8" FIRE RATED G.B.	ACOUS. DECKING	
101	LOBBY			●	●	●	●				●					3,4
102	FELLOWSHIP HALL			●	●	●	●				●					3,4,6
103	PRAYER ROOM			●	●	●	●				●					3,4
104	HALL	C1		●	●	●	●				●					3,4
105	SANCTUARY			●	●	●	●				●					
106	GATHERING AREA	C1	LVT	CT	ST		P1		P1		P1		P1		●	1,2,5
107	ELECTRICAL			●	ST		P1		P1		P1		P1			2,3,4
GENERAL NOTES:																
A. INSTALL VINYL, RUBBER, OR ALUMINUM TRANSITION STRIP BETWEEN FLOOR MATERIAL OF DIFFERING HEIGHTS, INCLUDING BUT NOT LIMITED TO CONCRETE/LVT TRANSITIONS.																
B. ALL CYSUM BOUND AREAS WHICH ARE ACCESSORY TO THE ROOM INCLUDING BUT NOT LIMITED TO SOFFITS, BULKHEADS, TRIM, ETC. SHALL BE PAINTED REGARDLESS OF WHETHER IT IS SPECIALLY INDICATED PER SCHEDULE.																
C. ALL G.B.'S & PERMANENT PARTITIONS SHALL RECEIVE RUBBER BASE UNLESS NOTED OTHERWISE.																
D. WALL TYPE DRAWINGS FOR GENERAL INFORMATION ONLY. CONTRACTOR SHALL COORDINATE WALL MATERIAL W/P SHOWN 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. INSTALL PRINTABLE SILICONE SEALANT AT ALL G.B. TO CMU AND G.B. TO CONCRETE WALL TRANSITIONS.																
H. ALL CONTROL JOINTS AT EXPOSED CONCRETE FLOORS SHALL RECEIVE SEALANT COMPATIBLE W/ FLOOR SEALER.																
I. ALL H.M. DOORS & FRAMES TO BE PAINTED W/ INDUSTRIAL ENAMEL UNLESS NOTED OTHERWISE. H.M. DOORS AND FRAMES SHALL BE SANDED SMOOTH PRIOR TO PAINTING. SPRAY FINISH ONLY. NO BRUSH FINISH.																
K. COORDINATE WITH INTERIOR ELEVATIONS, FLOOR PLANS AND MISCELLANEOUS DETAILS TO VERIFY ALL AESTHETIC ACCENTS AND DETAILS.																
L. REFERENCE INTERIOR ELEVATIONS, WALL SECTIONS AND DETAILS FOR WOOD BASE AND TRIM LOCATIONS.																
SPECIFIC NOTES:																
1. REFERENCE REFLECTED CEILING PLAN, COORDINATE LOCATION OF CEILING ACCENTS & SOFFITS.																
2. LEVEL 4 FINISH WITH ORANGE PEEL TEXTURE AT ALL GB CEILING.																
3. PAINT NEW G.B. TO MATCH EXISTING.																
4. INSTALL NEW BASES TO MATCH EXISTING.																
5. ALL EXPOSED CEILING DECK, PIPING, CONDUIT, DUCT, ETC. TO BE DRY-FAL PAINTED.																
6. PAINT NEW EXPOSED DUCT.																

DOOR SCHEDULE														
MARK	DOOR						FRAME						DETAILS	NOTES
	SIZE			MATERIAL	TYPE	FINISH	MATERIAL	TYPE	FINISH					
	W	H	T	ALUMINUM	TYPE	PREFINISHED	ALUMINUM	TYPE	PREFINISHED					
				H.M.		PAINTED	H.M.		PAINTED					
FIRST FLOOR														
101	PR3'-0"	7'-0"	1 3/4"	●	A	●	●	1	●			C/D/E/F-A2.3	1	
102	3'-0"	7'-0"	1 3/4"	●	A	●	●	2	●					
103	3'-0"	7'-0"	1 3/4"	●	B	●	●	3	●			G-A2.3		
GENERAL NOTES:														
A. ALL EXPOSED UNITS TO BE PAINTED AT INTERIOR AND EXTERIOR.														
B. CONTRACTOR MUST INSTALL MITL. FLASHINGS & CONT. CAULK FOR A WEATHER & WATERTIGHT CONDITIONS ● ALL EXTERIOR DOORS & DOOR FRAMES/UNITS.														
C. INSTALL ALUMINUM THRESHOLD/EXPANSION JOINT COVER BETWEEN CONCRETE & WOOD FLOORS.														
SPECIFIC NOTES:														
1. ALUMINUM FRAME FINISH TO BE 'CHAMPAGNE' TO MATCH EXISTING. TYPICAL AT ALL UNITS.														

WINDOW SCHEDULE						
MARK	WIDTH	HEIGHT	STYLE	INTERIOR	EXTERIOR	DETAILS
A	8'-0"	7'-0"	SEALED ALUM WINDOW UNIT	●		C/D/E/F-A2.3

GENERAL NOTES:

1. CONTRACTOR MUST INSTALL MTL. FLASHINGS & CONT. CAULK FOR A WEATHER & WATERIGHT CONDITIONS
2. ALL EXTERIOR WINDOW UNITS.
3. CONTRACTOR MUST INSTALL 1/4" INSUL. OR THERMAL BREAK. CONTINUOUS AROUND WINDOW.
4. CONTRACTOR TO PROVIDE & INSTALL MANUFACTURERS COORDINATING PANNING SYSTEM FOR ALUM. WINDOWS.
5. PROVIDE & INSTALL SAFETY GLASS AT HAZARDOUS LOCATIONS, PER 2012 IBC CODE 2406. IN DOORS, ADJACENT & WITHIN 24" TO DOORS, LESS THAN 18" ABV FLOOR, IN GUARDS & HANDRAILS, ADJACENT TO STAIRS & RAMPS, STAIRS AND RAMPS.
6. ALL OPERABLE WINDOWS SHALL HAVE INSECT SCREENS.

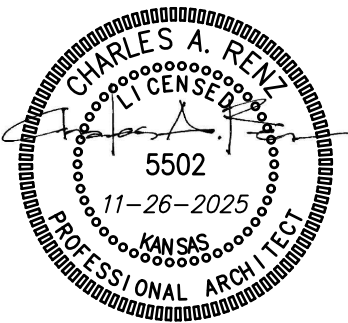


C INTERIOR ELEVATION
1/4"=1'-0"

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

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

FIRST COVENANT CHURCH
ADDITION
SALINA, KANSAS



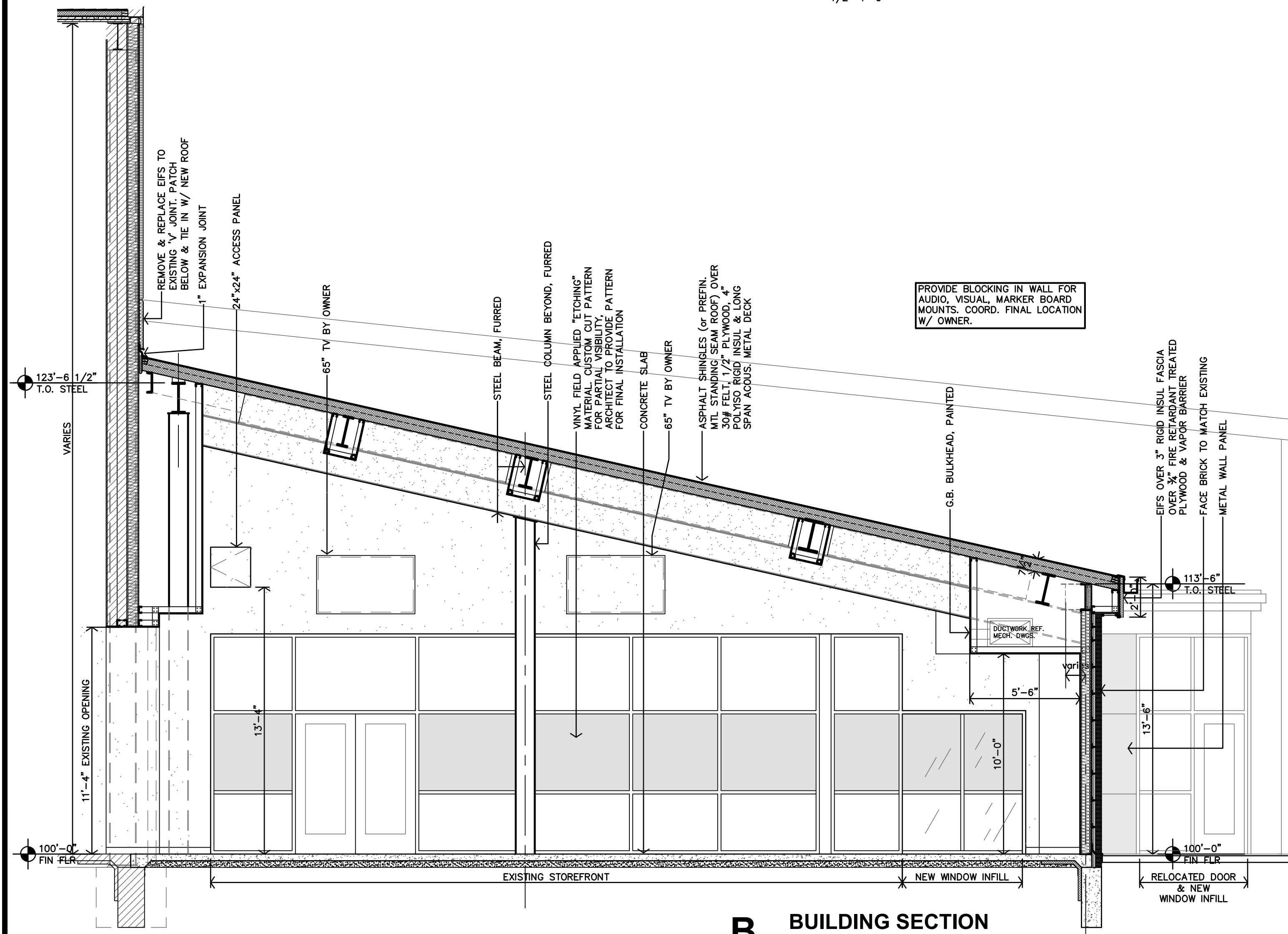
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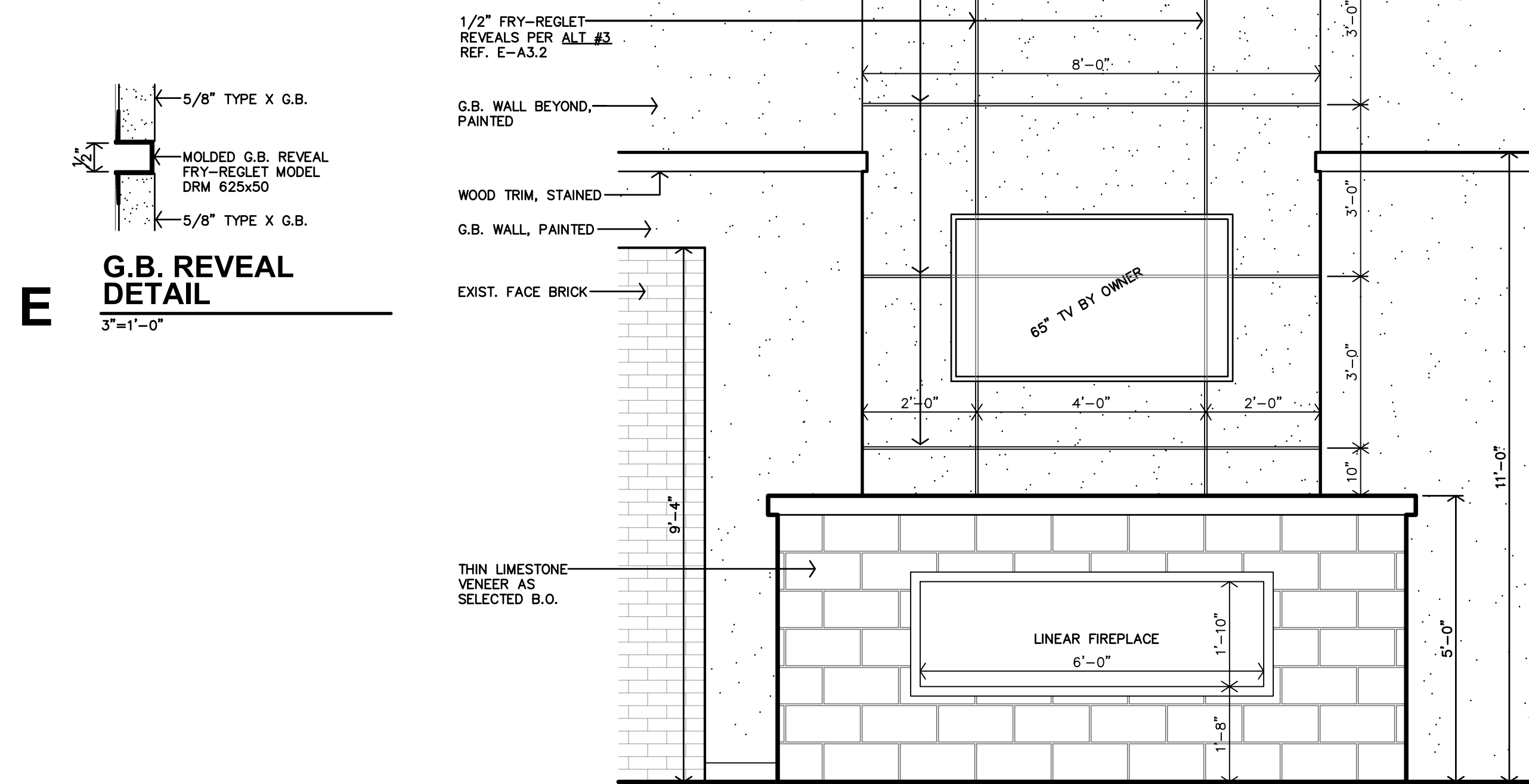
JOB: 25-3518

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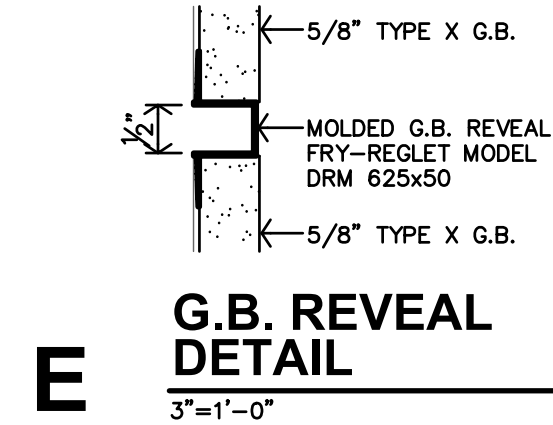
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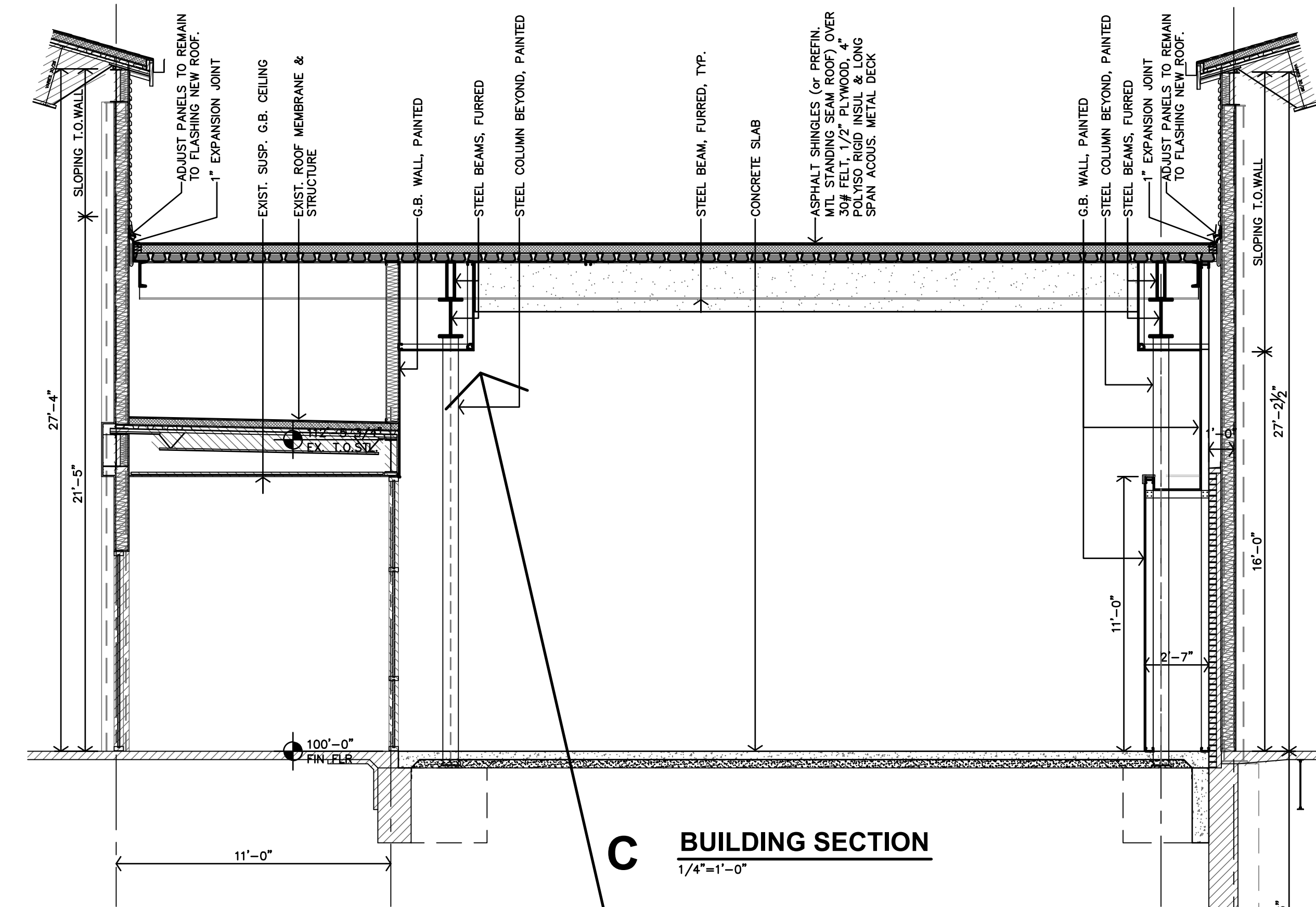
B BUILDING SECTION
1/4"=1'-0"



D ALT #3 INTERIOR ELEVATION
1/2"=1'-0"



E

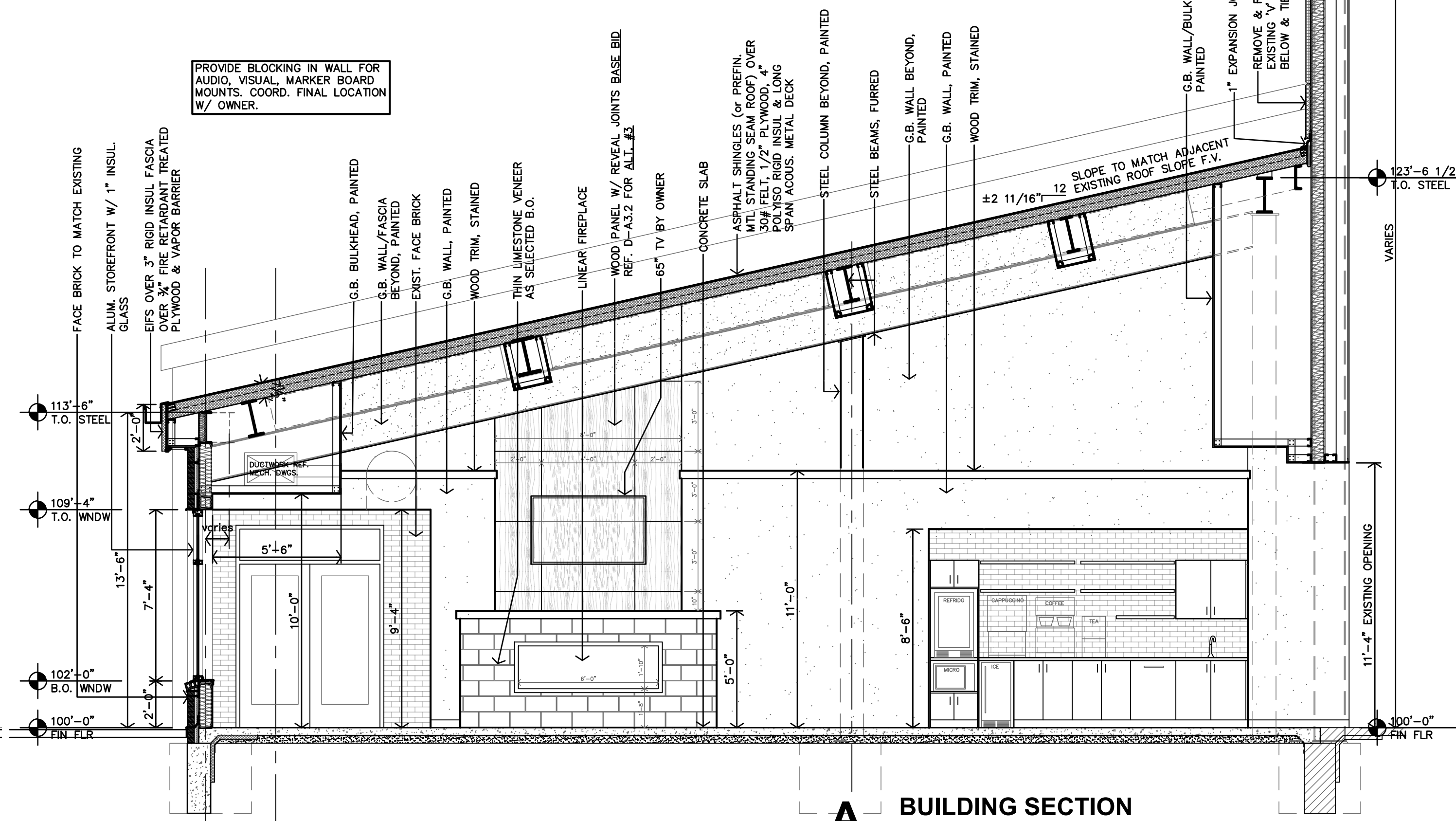


C BUILDING SECTION
1/4"=1'-0"

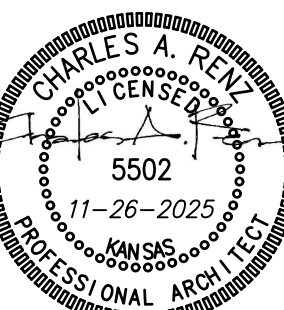
**SOFFIT HEIGHT?
FLAT? SLOPED?**

ALTERNATES

- 1- PATIO EXPANSION
- 2- SITE IMPROVEMENTS
- 3- WOOD PANELING
- 4- SOUTH CANOPY FOOTINGS
- 5- CONCRETE CURB REPAIRS



A BUILDING SECTION
1/4"=1'-0"

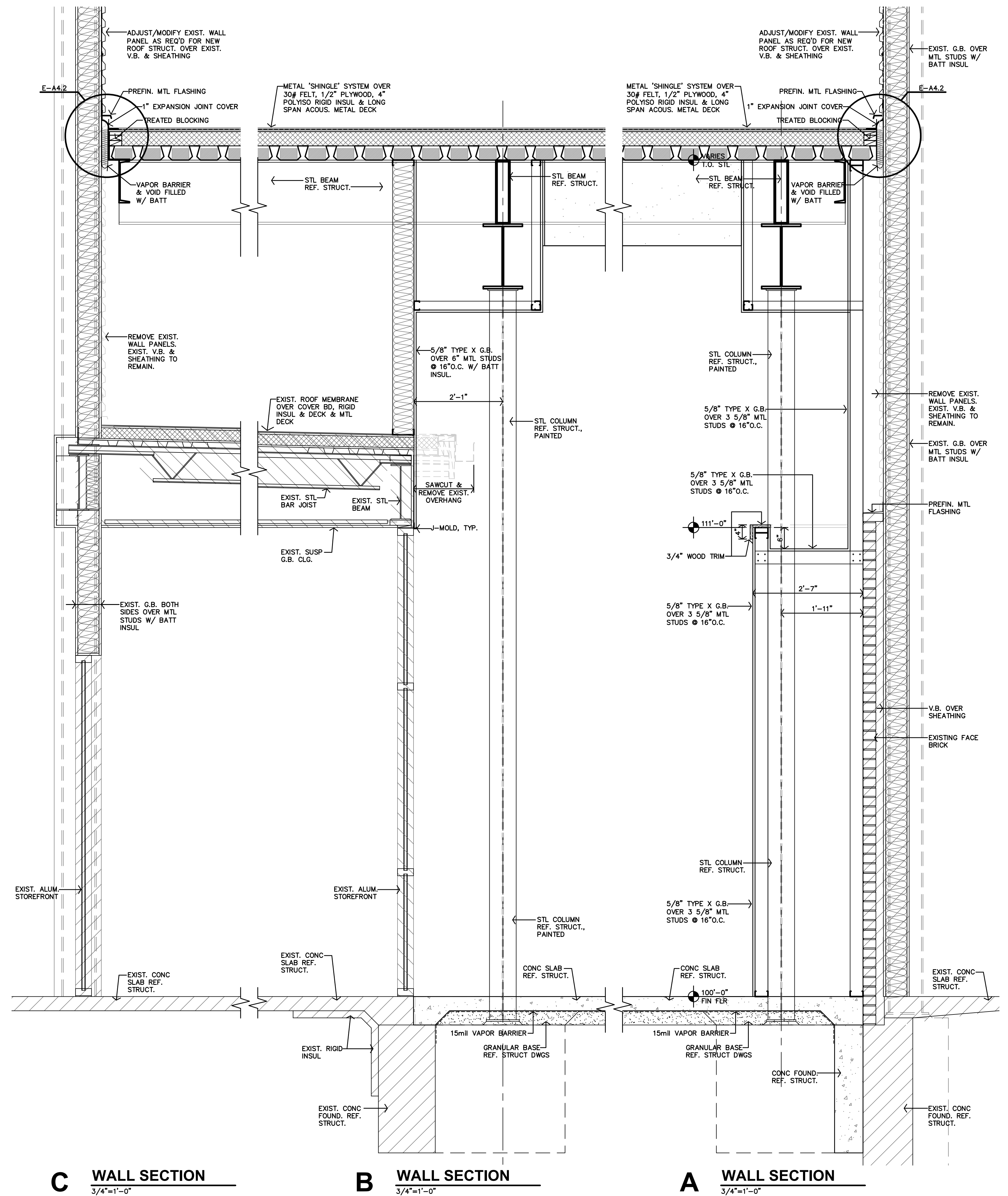
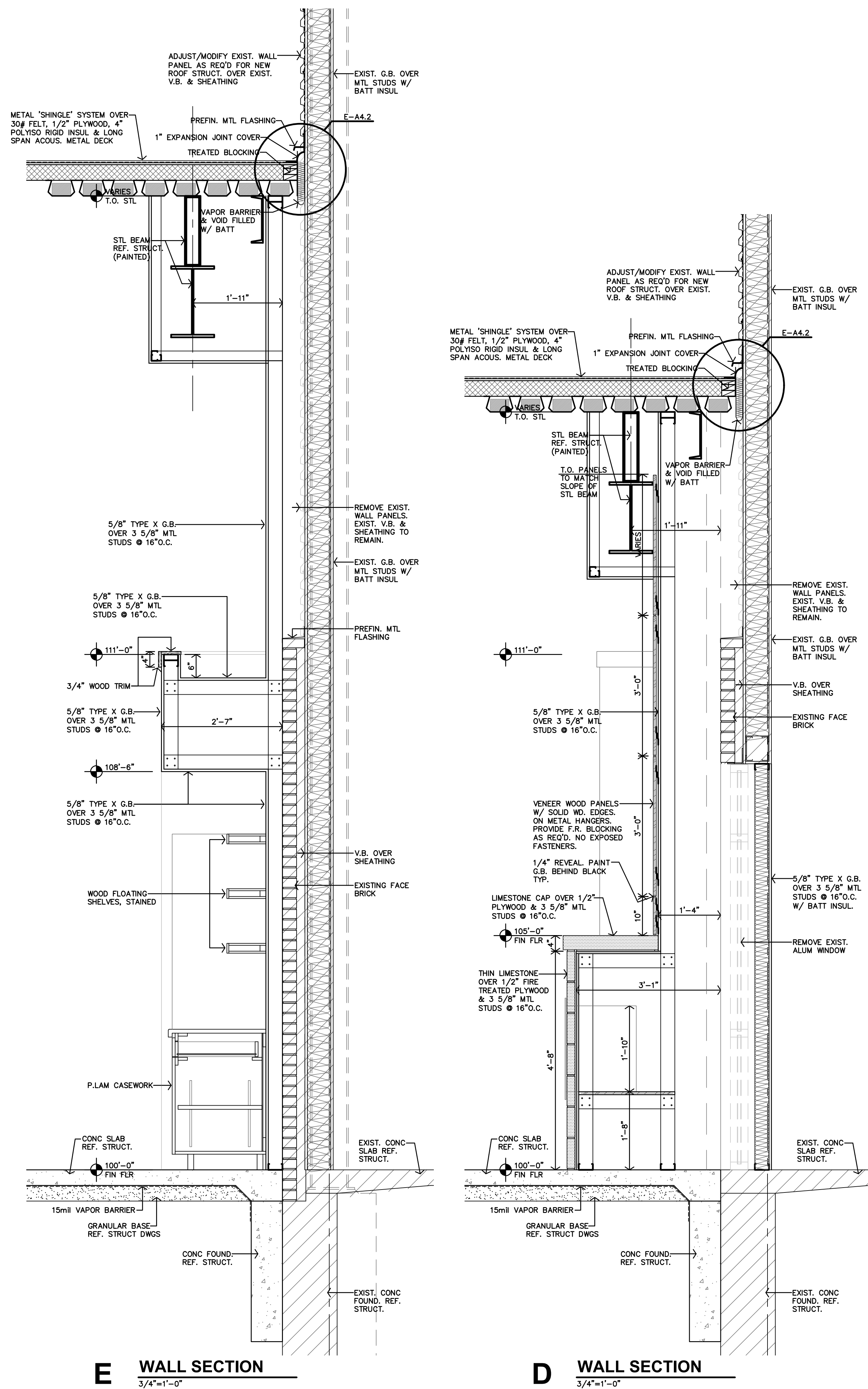


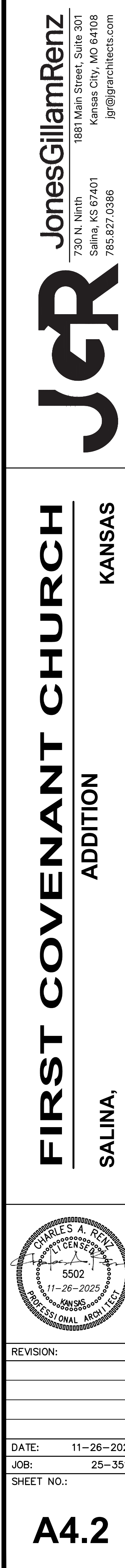
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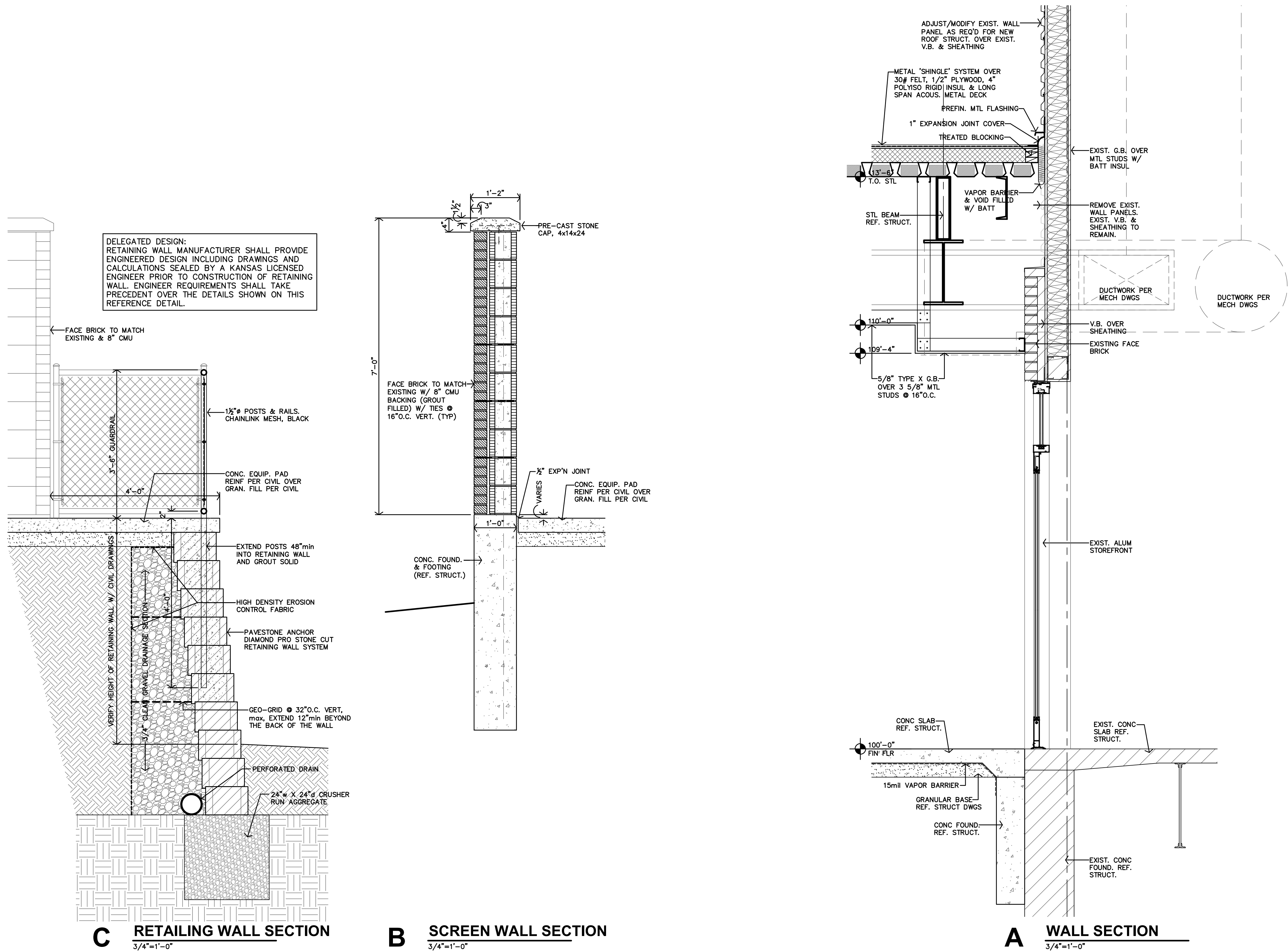
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FIRST COVENANT CHURCH
ADDITION
SALINA, KANSAS

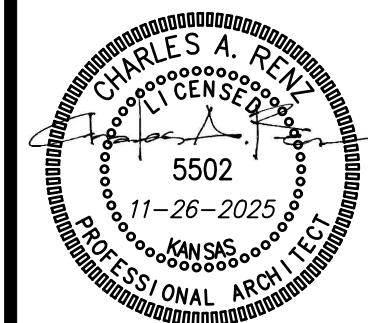
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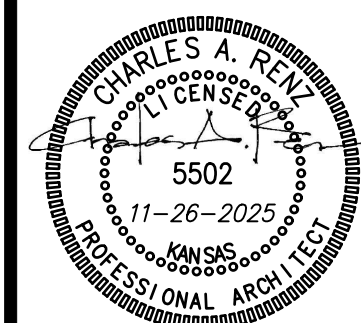


FIRST COVENANT CHURCH
ADDITION
KANSAS
SALINA,



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A4.3



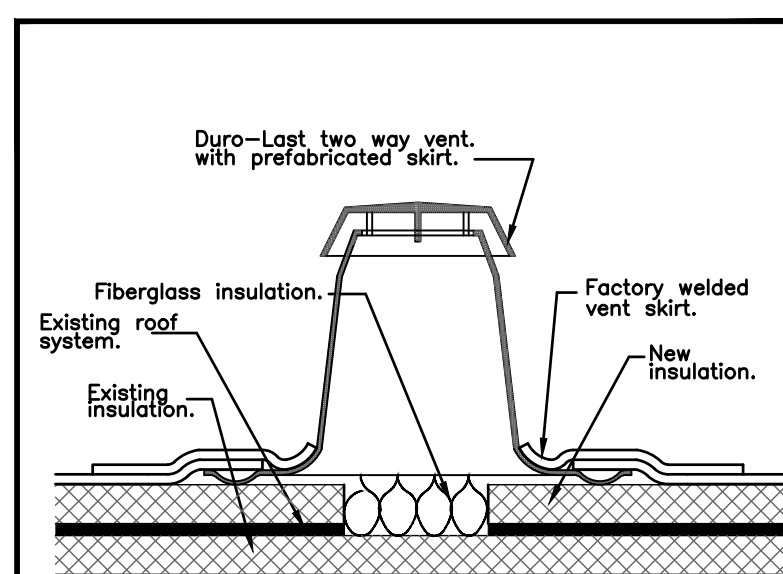
REVISION:	
DATE:	11-26-2025
JOB:	25-3518
SHEET NO.:	

ROOFING GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & CONDITIONS.
2. CONTRACTOR MUST COMPLY W/ ALL STATE & LOCAL CODES & REGULATIONS.
3. ROOFING INSTALLATION: MANUFACTURER'S DETAILS ARE GENERIC/GENERAL. CONTRACTOR SHALL COMPLY WITH MANUFACTURER'S DETAILS & RECOMMENDATIONS AND THOSE RECOMMENDED BY NRCA'S "THE ROOFING & WATERPROOFING MANUAL".
4. 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.
5. MANUFACTURER SHALL WARRANT TOTAL ROOF SYSTEM.
6. REF STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS.
7. PLUMBING VENT STACKS, FLUES, FRESH AIR INTAKES, ETC. NOT SHOWN FOR CLARITY. VERIFY LOCATION WITH MECHANICAL & PLUMBING DRAWINGS.
8. d.s. - INDICATES DOWNSPOUT LOCATIONS.
9. CONTRACTOR SHALL COORDINATE DOWNSPOUT LOCATIONS & SPLASH PADS. REFERENCE CIVIL DRAWINGS.
10. CAULK & SEAL WATERTIGHT ALL JOINTS & TRANSITIONS.
11. ALL METAL MATERIALS (I.E. VALLEYS, FLASHINGS, ETC...) SHALL BE PER MANUFACTURER'S 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".
12. CONTRACTOR TO USE NAILS FOR FASTENING SHINGLES, OR ROOF PANELS AND SYSTEMS. STAPLES ARE NOT ALLOWED.
13. CONTRACTOR MUST COMPLY WITH ALL STATE & LOCAL CODES & REGULATIONS.
14. CONTRACTOR TO INSTALL ICE & WATER SHIELD @ ALL RIDGE, HIP, VALLEY, SLOPE TRANSITIONS & METAL FLASHING

MANUFACTURER'S-ROOFING DETAILS, CONDITIONS VARY

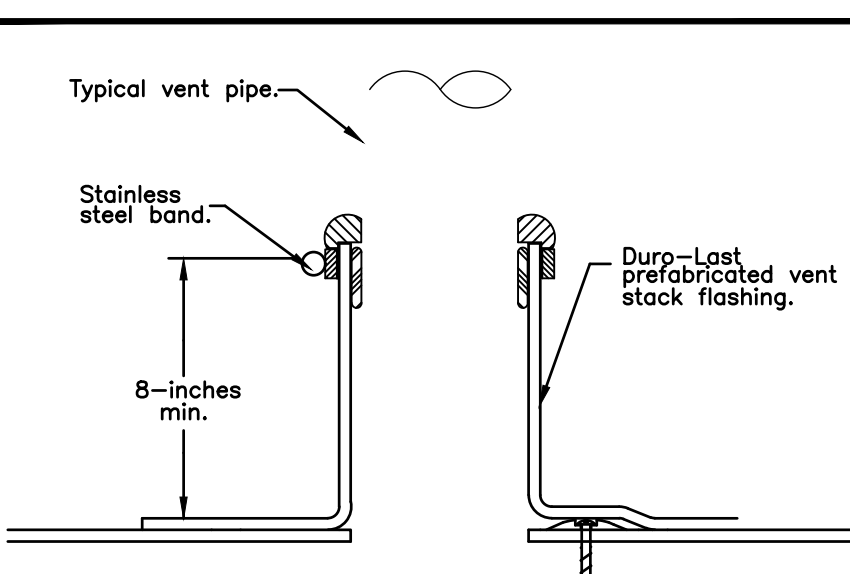
1. TYPICAL MANUFACTURER'S DETAILS ACTUAL CONDITIONS MAY VARY. REFER AND COORDINATE W/ BUILDING DETAILS PROVIDING THE MANUFACTURER'S MOST STRINGENT REQUIREMENTS, RECOMMENDATIONS, NECESSARY TO ACHIEVE COMPLETE WATERTIGHT WARRANTY.
2. A WOOD NAILER IS REQUIRED WHEN INSULATION IS GREATER THAN 1" COORDINATE WITH MANUFACTURER'S REQUIREMENTS TOP OF WOOD ATTACH WOOD NAILERS SHALL BE SPACED NO GREATER THAN 18" O.C.



Note: Cut a 7-inch hole through Duro-Last membrane for vent installation and install feet under membrane. Do not fasten vent to deck.

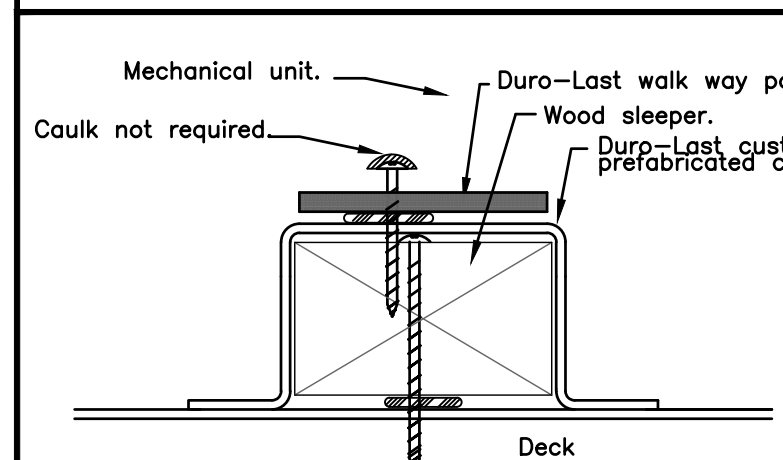
Note: Cut a 3 to 4-inch diameter hole through existing membrane to expose existing insulation.

H BREATHER VENT

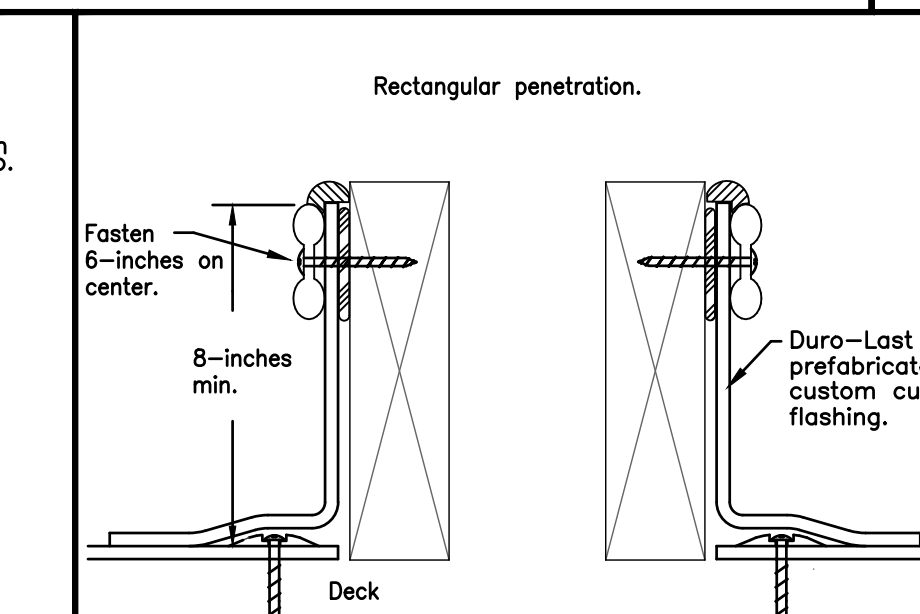


Note: Membrane attachment will be the same as the deck membrane with a minimum one plate/fastener per flashing.

G ROUND PENETRATION



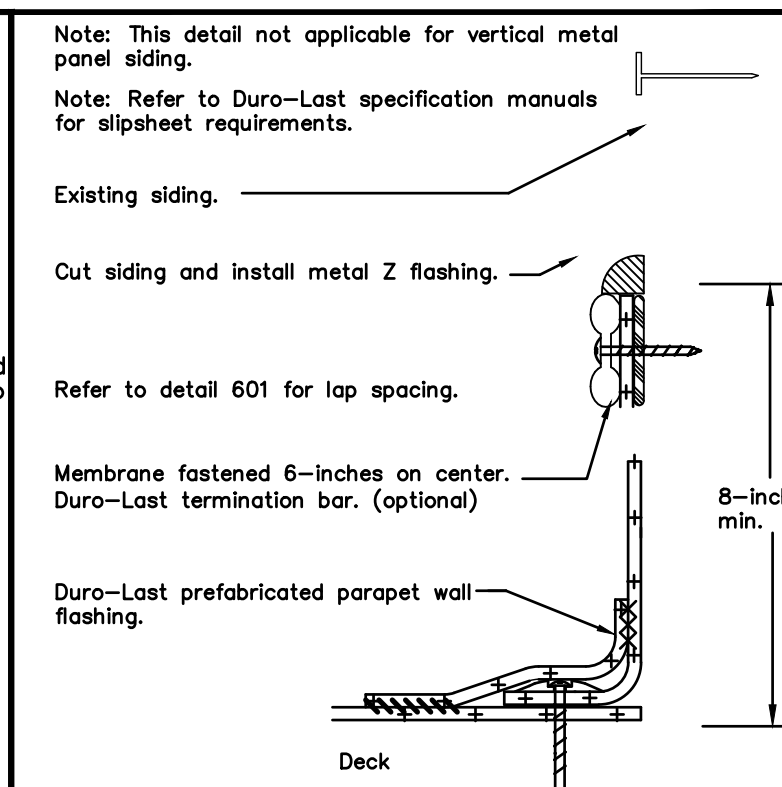
F SLEEPER DETAIL



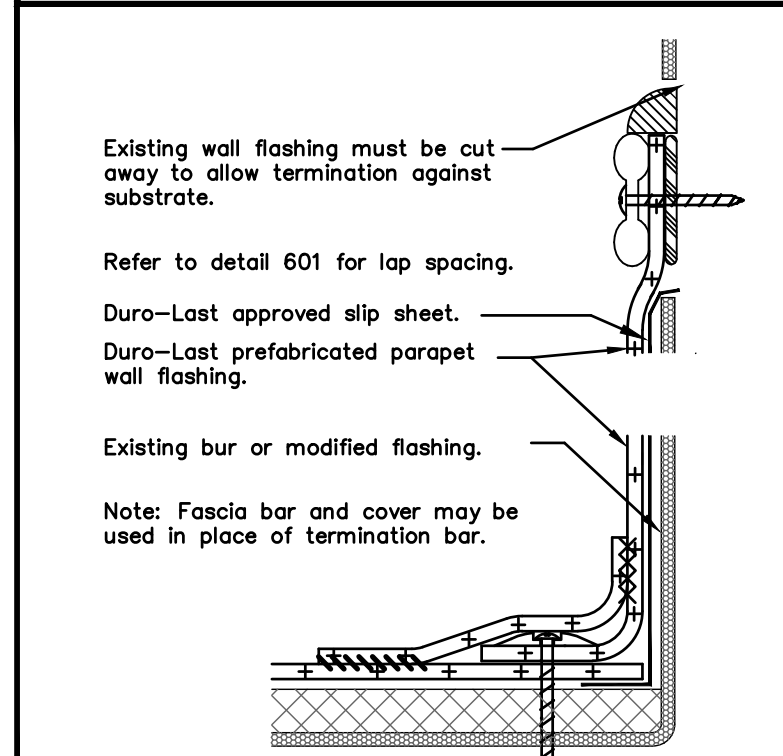
Note: Perimeter fastening of the deck membrane will be the same fastening pattern as the field membrane, no less than one fastener per side.

Note: All termination bar to have a fastener 1-inch max. from each corner.

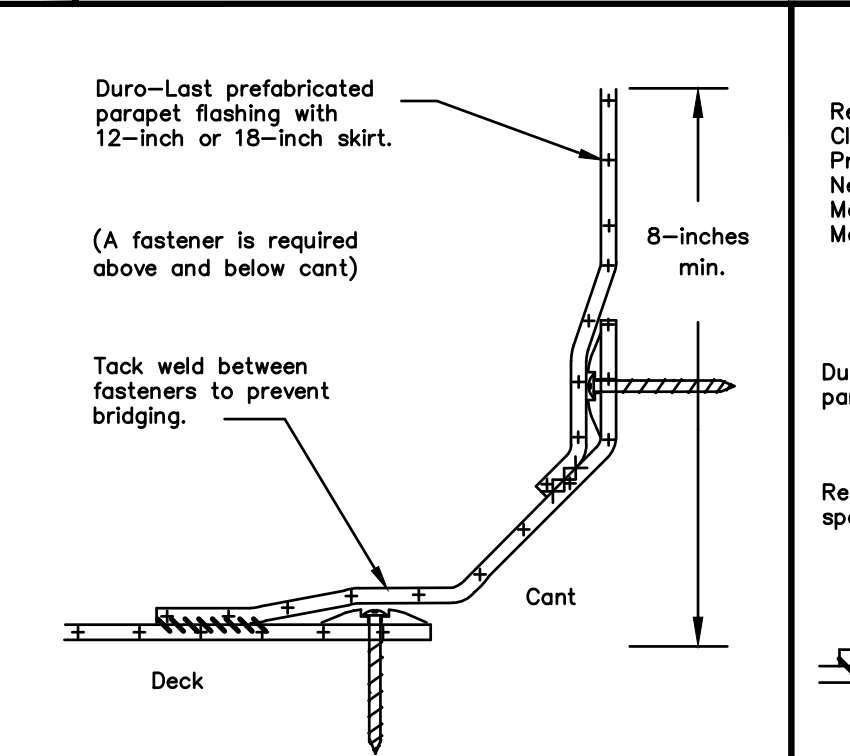
E RECT. PENETRATION



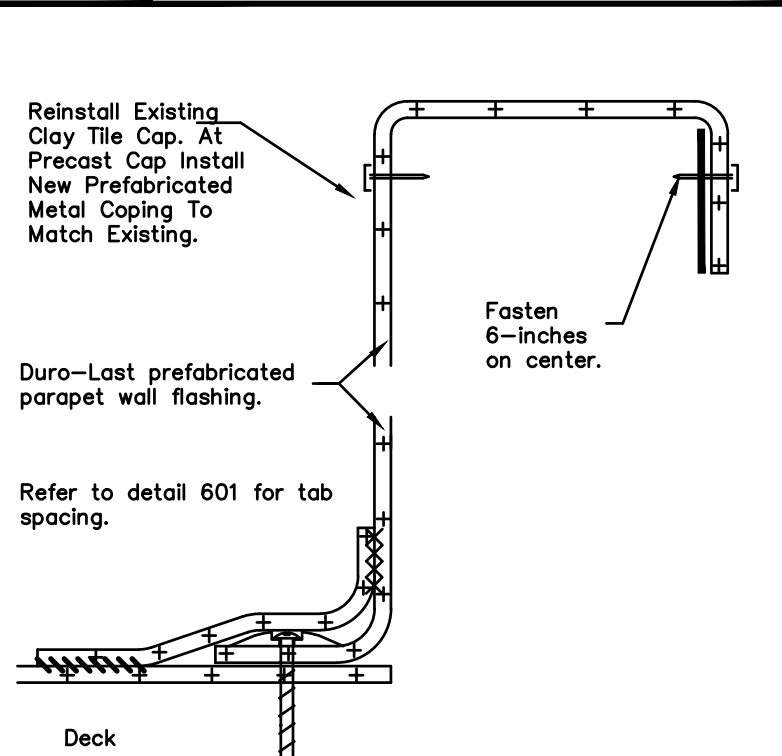
D SIDING DETAIL



C PARAPET WALL

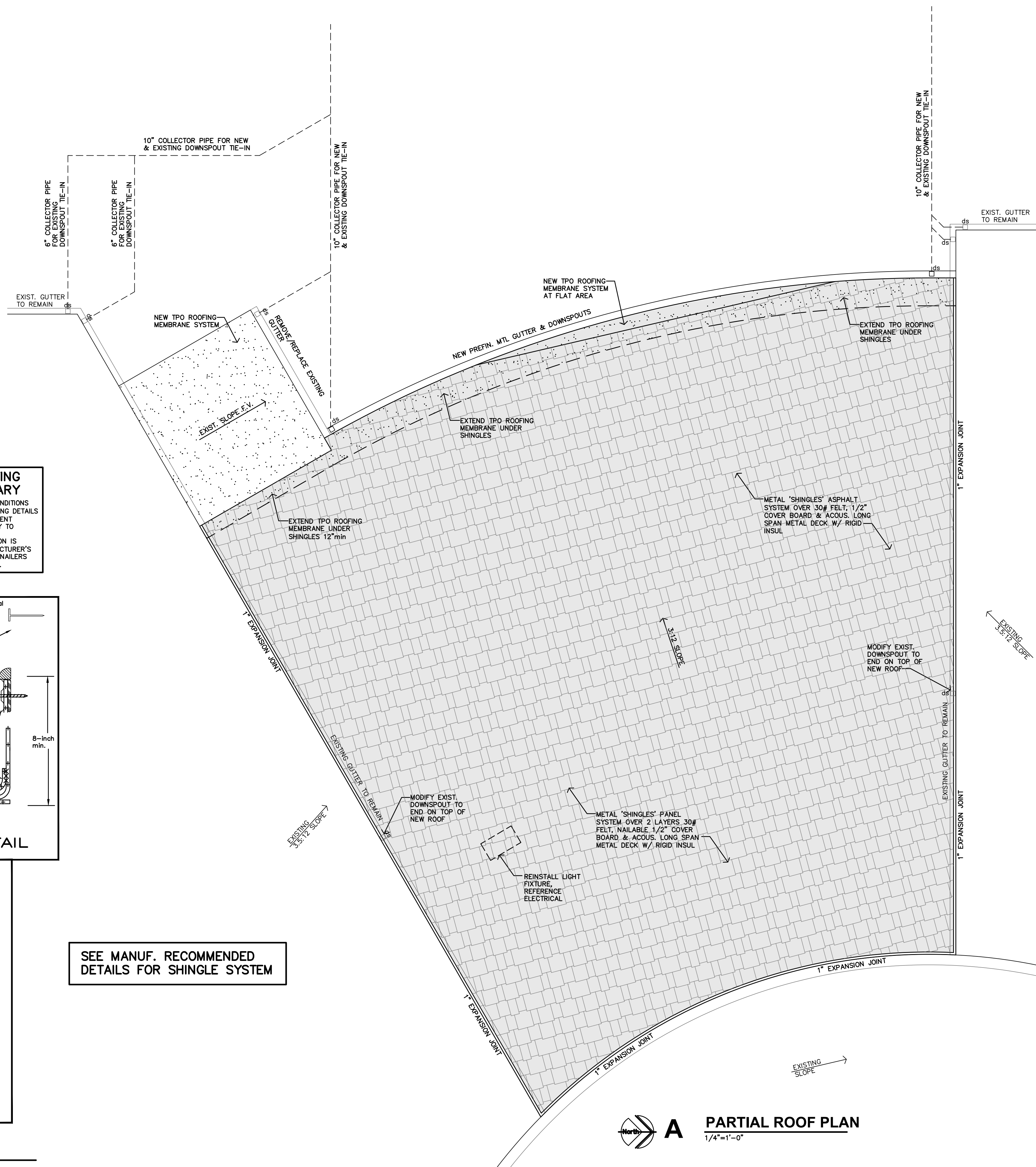


B PARAPET CANT



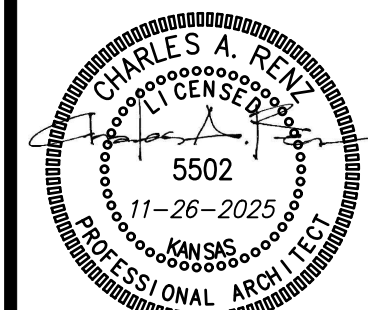
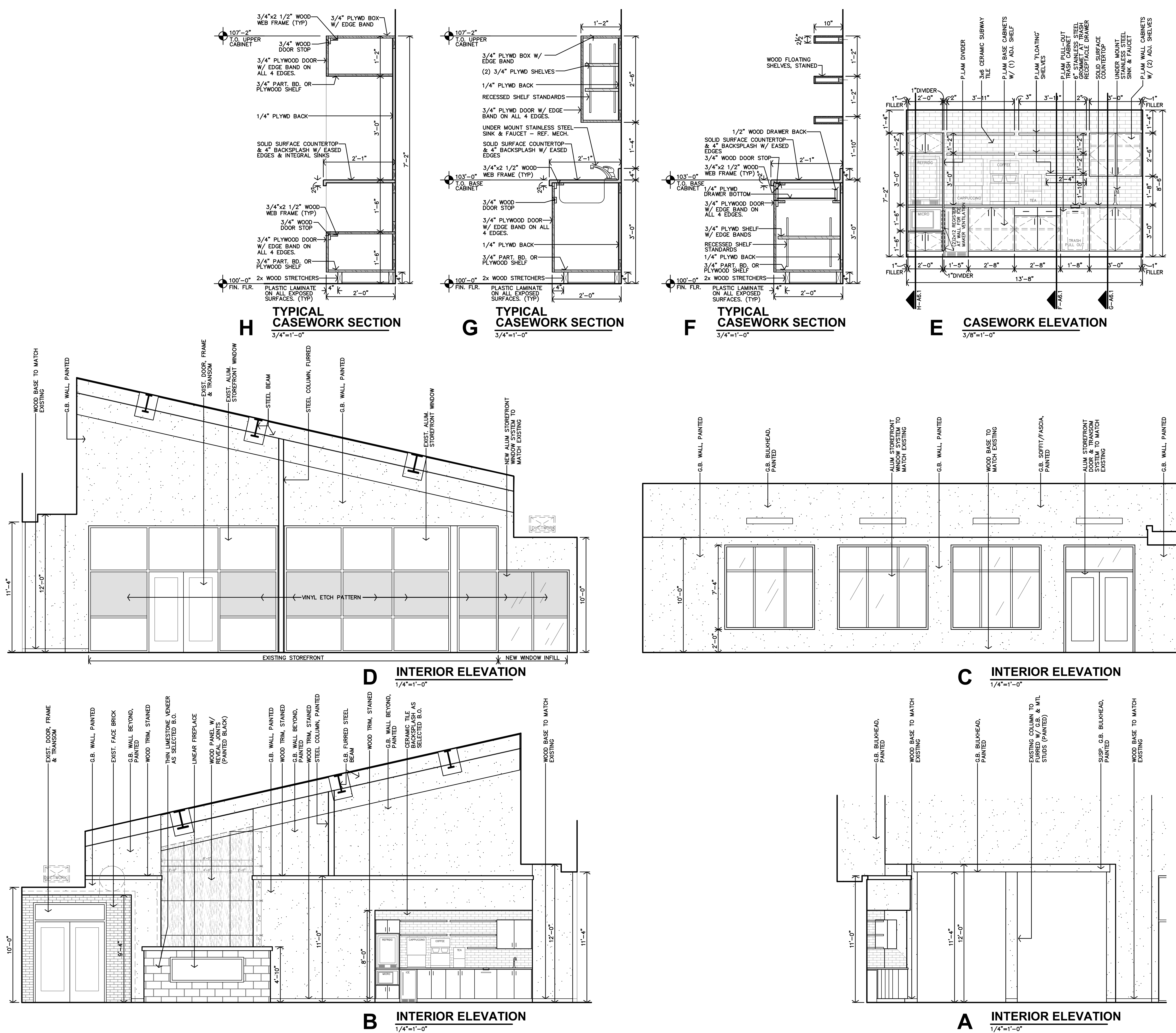
A PARAPET WALL

SEE MANUF. RECOMMENDED DETAILS FOR SHINGLE SYSTEM



A PARTIAL ROOF PLAN
1/4"=1'-0"

MANUFACTURER MEMBRANE DETAILS
NO SCALE



REVISION:

DATE: 11-26-2025
JOB: 25-3518
SHEET NO.:

A6.1

FIRST COVENANT CHURCH
ADDITION
SALINA, KANSAS

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

GENERAL NOTES - STRUCTURAL

- I. 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 before new construction 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 2012 International Building Code, as amended by the City of Salina, Kansas.
- D. These drawings are for this specific project and no other use is authorized.

2. Structural Design Load Criteria:

- A. Floor Live= 100psf
B. Roof Live= 25psf; Roof Dead= 20psf
C. Snow= Pg= 20psf, Pf=14psf, Is = 1.0
Ce=1.0, Ct=1.0, Drift per ASCE/SEI 7-10
D. Lateral Loads:
1) Wind V=15 mph, Exposure C, Occupancy [Risk] Category II, Ie=1.0
GCP1+/-0.18
Design wind pressures to be used for the design of exterior component and cladding materials on the designated zones of wall and roof surfaces shall be per section 30.1 and Table 30.2-2 of ASCE/SEI 7-10. Tabulated pressures shall be multiplied by effective area reduction factors, exposure adjustment factors, and topographic factors where applicable.
- 2) Seismic: Ss = 0.049g, S1 = 0.044g
Occupancy [Risk] Category III, Ie=1.0
Site Classification D, Sds=0.106, Sd1=0.076
Seismic Design Category B
Basic Seismic Force-resisting System: C-4 - Steel Ordinary Moment Frames
Equivalent Lateral Force Procedure (R=3 I/2; V=0.046W, Omega=3, Cd=3)
E. This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the 2012 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 flat work 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. Concrete mix shop drawing shall contain testing data proving concrete design mix shrinkage is less than 0.034% at 28 days when tested according to ASTM C157 (air drying method only).
- 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 recommendations prior to concrete placement. Install barrier per manufacturer's details at all discontinuities (at interior columns, exterior 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 1/2 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.
- L. When the evaporation rate exceeds 0.1lb/ft²/hr add 1/2% accelerator to mix, use a viscosity-modified admixture and eliminate supplementary cementitious materials.
- M. It is recommended that slab not be poured when the evaporation rate exceeds 0.15lb/ft²/hr.
- N. At exterior flatwork provide a waterproofing admixture or apply a topical silane or siloxane sealer.

4. Reinforcing Steel:

- A. All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A1064.
- B. Clear coverage of concrete over reinforcing steel shall be as follows:
Concrete placed against earth 3"
Formed concrete against earth 2"
Slabs 1"
Beams or Columns 1-1/2"
Other 1"
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 3'-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. 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 305-05 "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 fully pretensioned.
- E. All anchor bolts shall be ASTM F1554, Grade 55 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. At building perimeter columns at braced frames and moment frames washers shall be welded all around to the column base plate with 3/16" fillet weld.
- F. Design and installation of steel decking shall comply with the recommendations of the Steel Deck Institute (SDI). All decking shall be galvanized unless noted otherwise.

6. Post-Installed Anchors:

- A. Post-installed anchors shall be used only where specified on the drawings unless approved in writing by the engineer of record. See drawings for anchor diameter, spacing and embedment. Performance values of the anchors shall be obtained for specified products using appropriate design procedures and/or standards as required by the governing building code. Anchors installed in concrete shall have an ICC-ES Evaluation Service Report. Special inspection is required for all post-installed anchors. The general contractor shall coordinate an on-site meeting with the post-installed anchor manufacturer field representative and subcontractor performing the anchor installation to educate the construction team on the anchor installation guidelines and requirements. The contractor shall send a record copy of the meeting meetings to the design team.
- B. Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ACI 308.2 and ICC-ES AC108. All anchors shall be installed per the anchor manufacturer's written instructions.
- C. Adhesive anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions.
- D. Mechanical anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES 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 AC308. All anchors shall be installed per the anchor manufacturer's written instructions.
- F. Anchors used in hollow concrete masonry shall have been tested and qualified in accordance with ICC-ES AC106 or ICC-ES AC308 as appropriate. All anchors shall be installed per the anchor manufacturer's written instructions with appropriate screen tubes used for adhesives.

7. Foundations:

- A. A soil investigation was prepared for the original construction in 2001 by Terracon of Wichita, KS. The report number is 0101510 and the telephone number is 316-262-0111. The original footings, grade beams, and retaining walls were designed to bear on engineered fill or undisturbed soil capable of sustaining 2,000psf.
- B. Spread footings and grade beams are designed to bear on clay soil capable of safely sustaining 2,000 psf except at Grid 'H' where pile caps shall bear on helical pier capable of safely sustaining loads indicated on S21. The deferred helical pier design shall use the loads indicated and geotech report to determine the quantity and length of piers.
- C. Retaining structures are designed for a lateral load of 50psf equivalent fluid pressure.
- D. Contractor shall provide for dewatering at excavations from either surface water or seepage.
- E. 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.
- F. 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.

8. 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 it equals 2000 psi. Mortar shall be volume proportion based cement lime mortar. Proportioning shall be completed by box method. 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 8" walls unless noted otherwise:
1) Vertical reinforcing shall be as indicated on S02 with additional reinforcement, at each corner, 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.

9. Light Gauge Structural Stud Framing:

- A. All load bearing, light gauge structural studs, track, and bridging shall be of the type, size, gage, and spacing as shown on the plans, minimum.
- B. All materials shall be 33,000 psi minimum yield, except studs of 16 gage or heavier shall have a minimum yield of 50,000 psi.
- C. All properties, fabrication, and erection shall be in accordance with latest editions of the AISI "Specifications for the Design of Cold-Formed Structural Members".
- D. All framing components shall be cut squarely or at an angle to fit squarely against abutting members. Splicing of axially loaded members is not permitted. Members shall be held firmly in place until properly fastened. Attachments of similar components shall be by welding, screw attachment, or bolting. Wire tying of components is not permitted.
- E. Tracks shall be securely anchored to floor and overhead members. Special anchorage requirements required for wind bracing shall be as shown on the plans.
- F. Prior to fabrication and/or erection, the contractor shall submit shop drawings complete with detail of erection, fabrication, attachments, anchorages, lintels, etc., for review by the architect/engineer.
- G. Interior studs for tall walls shall be as follows:
6" C-studs (1 1/8" flanged with 1/2" return)
16" to 20" = 20 gage
20" to 24" = 18 gage
24" to 28" = 16 gage

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. Deferred submittals shall be submitted to the architect of record for review who shall forward to the building official for review and approval. Design calculations for deferred submittals shall be submitted at the same time as the shop drawings for review. Design calculations shall be prepared and sealed by a Professional Engineer licensed in the state of the project. The deferred submittal items shall not be installed until the deferred submittal documents have been approved by the building official.
- B. Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:
1) Review each submission for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.
2) Review and approve each submission.
3) Stamp each submission as approved.
- C. Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.

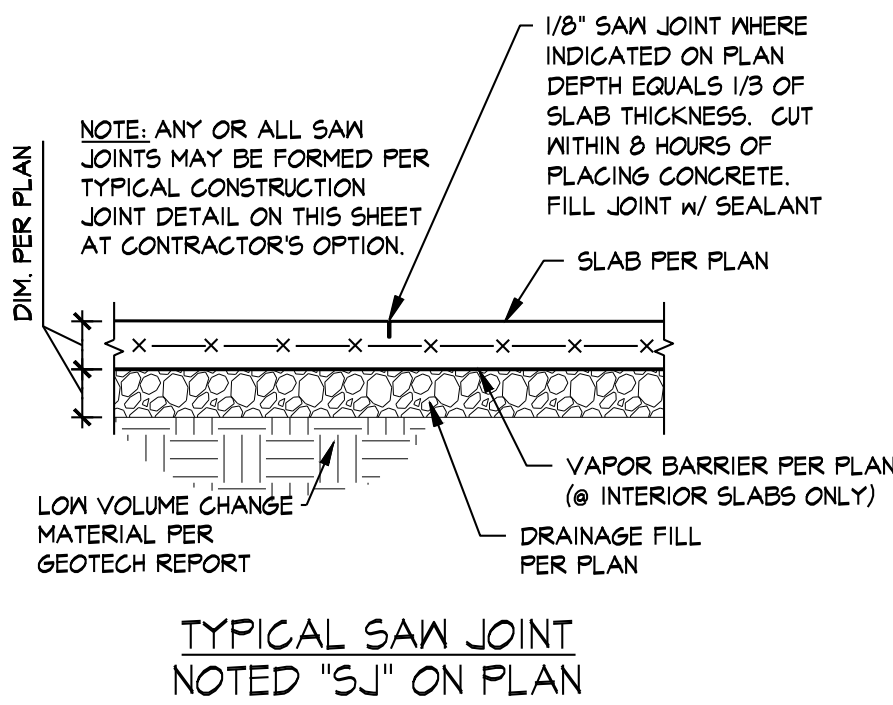
- D. Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the GC.
- 1) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement.
- 2) Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.
- 3) Elevations of all reinforced concrete masonry walls at a scale no smaller than 3/8" = 1'-0" showing all required reinforcing.
- 4) Grout mix designs (for CMU).
- 5) Construction and control joint plans and/or elevations.
- 6) Structural steel shop drawings including erection drawings and piece details. Include joist, decking and connector submittals. Include miscellaneous framing specified on the structural drawings, but do not submit framing specified on non-structural drawings for Bob D. Campbell and Company, Inc. review.
- 7) Miscellaneous anchors shown on the structural drawings.
- 8) Deferred Submittals: Railings and guardrails.
- E. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions without GC approval stamp.

II. Statement of Structural Special Inspection:

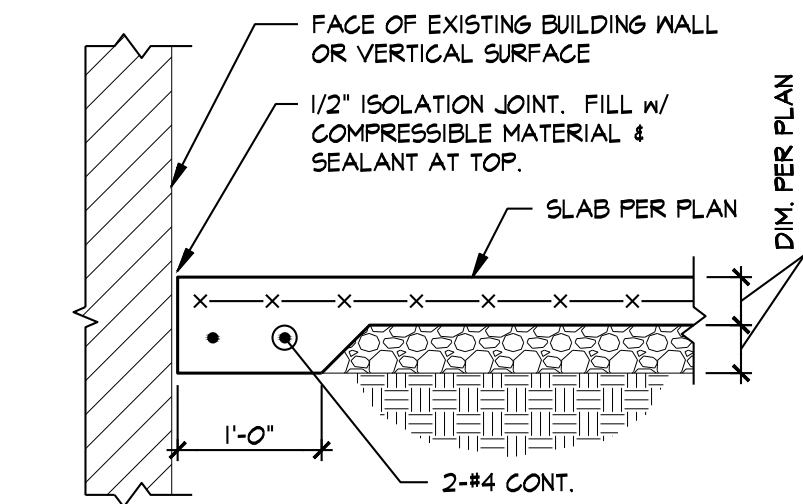
- A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the 2012 International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
- B. The 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 AISI certified shop
2) Steel Construction per Section 1705.2 and the quality assurance requirements of AISI 341 Chapter J (as referenced by AISI 360)
3) Cold-Formed Steel Deck per Section 1705.2.2 and the quality assurance requirements of SDI QA/C.
4) Concrete Construction per Section 1705.3 and Table 1705.3
a. Reinforcing Steel Placement
b. Cast in Place Anchors
c. Post Installed Anchors
d. Design Mix Verification
e. Concrete Sampling and Testing
f. Concrete Placement
g. Concrete Curing
h. Formwork Shape, Location and Dimensions
5) Masonry Construction per Section 1705.4 and the quality assurance requirements of TMS 402/ACI308/ASCE5 and TMS602/AS301/ASCE6 Level B
6) Verification of Soils per Table 1705.6
7) Helical Pile Installation per Section 1705.9
- 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 (5-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. Bevin, 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 5-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.

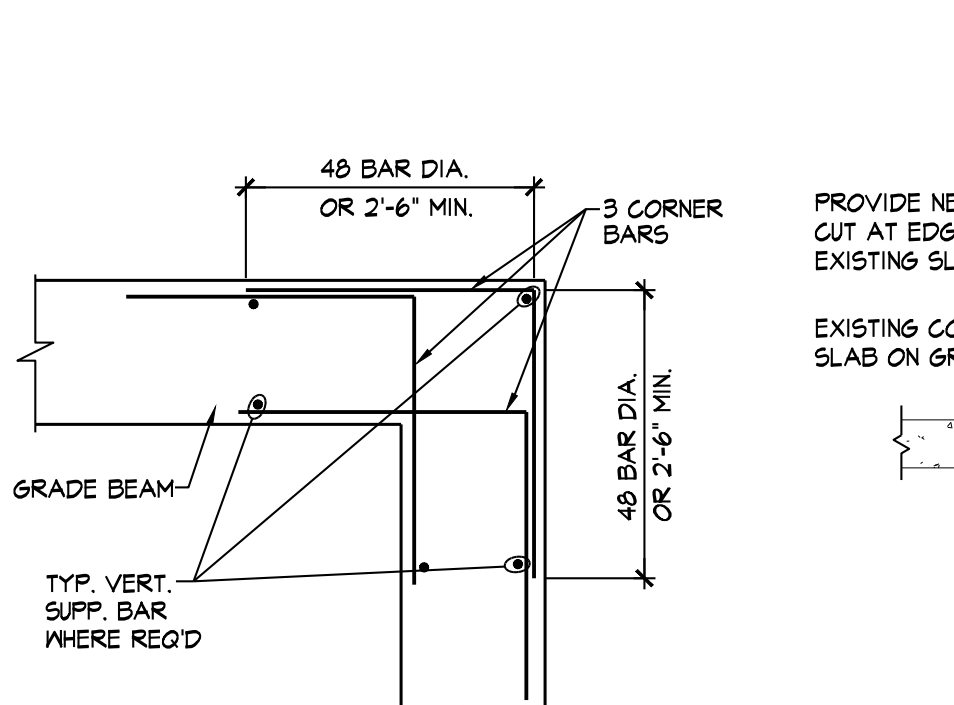


SECTION 1
3/8" = 1'-0" (S01)

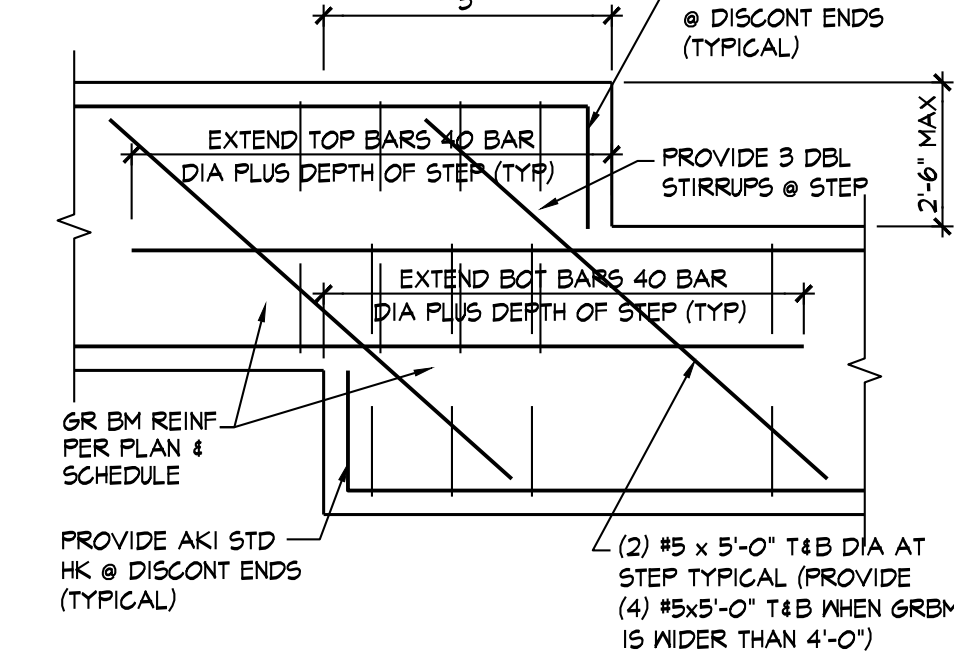


TYPICAL SLAB EDGE DETAIL AGAINST EXISTING BUILDING WALL OR VERTICAL SURFACE

SECTION 4
3/8" = 1'-0" (S01)



TYP. CORNER BARS
3/8" = 1'-0" (S01)



TYP. GRADE BM. STEP
1/2" = 1'-0" (S01)

STRUCTURAL ABBREVIATIONS

AT AND ROUND DIAMETER	FT6 FOOTING	FAR SIDE	PERP PERPENDICULAR
ADTL ADDITIONAL	FT6 FIELD VERIFY	PL PLATE	PL POUNDS PER LINEAR FOOT
AFF ABOVE FINISHED FLOOR	FV FIELD VERIFY	PF PARTIAL JOINT PENETRATION	PSF POUNDS PER SQUARE FOOT
ALT ALTERNATE	GA GAGE	PSI POUNDS PER SQUARE INCH	QTY QUANTITY
ARCH ARCHITECTURAL	GALV GALVANIZED	QAD RADII	REF REFERENCE
BLDG BUILDING	GEN GENERAL	REF REFERENCE	REIN REINFORCEMENT
BM BOTTOM OF BEAM	GR GRADE	REQD REQUIRED	REV REVISION
BOTT BOTTOM BEARING	HORIZ HORIZONTAL	RL ROOF LIVE LOAD	RTU ROOF TOP UNIT
BRG CAMBER	HOLLOW STRUCTURAL SECTION	SC SLIP CRITICAL	SCHED SCHEDULE(D)
C-D-# CONCRETE DECK TYPE	INSIDE FACE	SECT SECTION	SHET SHEET
C-J CONSTRUCTION/CONTROL JOINT	INFORMATION	SHIT SHIT	SIM SIMILAR
C-JP COMPLETE JOINT PENETRATION	INT INTERIOR	SJ SAM JOINT	SL SLAB-ON-GRADE
C-L CENTERLINE	JOIST	SNOW LOAD	SOG SLAB-ON-GRADE
CMU CONCRETE MASONRY UNIT	JOINT	SOG SLAB-ON-GRADE	SPCF SPACING
COL COLUMN	KIPS (1000 LBS)	SPCF SPACING	SPEC SPECIFICATION
CONC CONCRETE	KIPS PER SQUARE FOOT	SPEC SUPPORT	SQ SQUARE
CONN CONNECTION	KSI KIPS PER SQUARE INCH	SQ SQUARE	SSLT SHORT-SLOTTED HOLE TRANSVERSE
CONT CONTINUOUS	LBS # POUNDS	SSLT SHORT-SLOTTED HOLE TRANSVERSE	STD STANDARD
COORD COORDINATE	LL LIVE LOAD	STD STANDARD	STIFF STIFFENER
C/DV, CVR COVER	LLH LONG LEG HORIZONTAL	STIR STIRRUP	STEEL STEEL
DOUB DOUBLE	LLV LONG LEG VERTICAL	STRUC STRUCTURE, STRUCTURAL	T/ TOP OF
DET DETAIL	LONG LONGITUDINAL	THRU THROUGH	TOS TOP OF STEEL, TOP OF SLAB
DIA DIAMETER	LONG-SLOTTED HOLE TRANSVERSE	TRANS TRANSVERSE	TRS TRUSSES
DIM DIMENSION	LIGHTWEIGHT	TYP TYPICAL	UNO UNLESS NOTED OTHERWISE
DI DRAWING	MAX MAXIMUM	UNO UNLESS NOTED OTHERWISE	V VERTICAL
DWG DRAWING	MECH MECHANICAL	VERT VERTICAL	W/ WITH
EA EACH	MFR MANUFACTURER	W/O WITHOUT	W/ WITH
EF EACH FACE	MIN MINIMUM	W/ WITHOUT	W/ WITHOUT
EJ EXPANSION JOINT	MISC MISCELLANEOUS	W/ WITHOUT	W/ WITHOUT
EL ELEVATION	MSTRY MASONRY	W/ WITHOUT	W/ WITHOUT
ENGR ENGINEER	MTL METAL	W/ WITHOUT	W/ WITHOUT
EOD EDGE OF DECK	NF NEAR FACE	W/ WITHOUT	W/ WITHOUT
EOR ENGINEER OF RECORD	NS NEAR SIDE	W/ WITHOUT	W/ WITHOUT
EQ EQUAL	NTS NOT TO SCALE	W/ WITHOUT	W/ WITHOUT
EQUIP EQUIPMENT	OC ON CENTER	W/ WITHOUT	W/ WITHOUT
EW EACH WAY	OPNG OPENING	W/ WITHOUT	W/ WITHOUT
EXP EXPANSION	OPNG OPENING	W/ WITHOUT	W/ WITHOUT
EXTS, EXIST EXISTING	OPNG OPENING	W/ WITHOUT	W/ WITHOUT
FD-# FOUNDATION	OPNG OPENING	W/ WITHOUT	W/ WITHOUT
FF FAR FACE	OPNG OPENING	W/ WITHOUT	W/ WITHOUT
FIN FINISH	OPNG OPENING	W/ WITHOUT	W/ WITHOUT
FLR FLOOR	OPNG OPENING	W/ WITHOUT	W/ WITHOUT

STRUCTURAL DECK & SLAB SCHEDULE	
MARK	DESCRIPTION
SOG-1	4" CONC. (4000 psi) SLAB ATOP 15 MIL VAPOR BARRIER ATOP 4" CLEAN GRANULAR LEVELING COURSE, ATOP 24" LOW VOLUME CHANGE (LVC) COMPACTED MATERIAL, REINF. SLAB WITH 6x6-W2.5W2.9 W/F. T/SLAB EL. PER PLAN, SLOPE TO DRAIN
SOG-2	4" CONC. (4500 psi, AIR ENTRAINED) SLAB ATOP 4" GRANULAR LEVELING, ATOP 24" LOW VOLUME CHANGE (LVC) COMPACTED MATERIAL, REINF. SLAB W/ 6x6-W2.1W2.1 W/F. T/SLAB ELEV = PER PLAN.
SOG-3	6" CONC. (4500 psi, AIR ENTRAINED) SLAB ATOP 4" GRANULAR LEVELING, ATOP 24" LOW VOLUME CHANGE (LVC) COMPACTED MATERIAL, REINF. SLAB W/ #4 @ 12"oc EA WAY MID-HEIGHT.
RD-1	3/8" 16ga GALVANIZED ACOUSTICAL DOVETAIL ROOF DECK, 2-SPAN CONTINUOUS, BASIS OF DESIGN: NCOR VULCRAFT 3.5DA, ATTACH W/ 3/8" PUDDLE WELDS IN 36/4 PATTERN W/ NO. 12 SIDELAP FASTENERS @ 12"oc

- NOTES:
1. SOG = SLAB-ON-GRADE TYP.
2. RD = ROOF DECK TYP.

LEGEND:

- SPAN DIRECTION OF DECK AND DECK/SLAB TYPE PER SCHED. ON S01
- 1 HSS 6x6x1/4 COLUMN SIZE
- BASE PLATE MARK - SEE SCHEDULE ON SHEET S0.2
- 8 FOOTING MARK PER SCHED ON S0.2
- MOMENT CONNECTION TO DEVELOP 50% OF MOMENT CAPACITY OF BEAM AND 40% OF SHEAR CAPACITY
- W21x44 CONT.
- BEAM CONTINUOUS OVER COLUMN (WHERE INDICATED)
- BEAM SIZE

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S0.1

TYPE	COLUMN	BASE PLATE (1x6xN)	SHAPE	ANCHOR RODS	EMBEDMENT
(A)	PER PLAN	1/2"x20"x16"	A	(B) 1"Ø	24"

NOTES:

- SEE PLAN FOR ORIENTATION OF COLUMNS.
- PROVIDE PLATE WASHER & EMBEDDED PLATE PER SCHEDULE @ ALL ANCHOR BOLTS.
- U.O.G. ALL THREADED ROD A.B.'s SHALL BE F1554 (36ksi) MATERIAL.

ANCHOR ROD DIAMETER	MIN. PLATE WASHER HOLE DIAMETER	MIN. PLATE WASHER SIZE	MIN. PLATE WASHER THICKNESS	EMBEDDED ANCHOR PLATE SIZE
3/4"	1 5/16"	2"	1/4"	1/2"x2 1/2"x2 1/2"
1"	1 7/8"	3"	3/8"	5/8"x3"x3"

NOTES:

- HOLE SIZES PROVIDED ARE BASED ON ANCHOR ROD SIZE AND CORRELATE WITH ACI 117 (ACI, 2010)
- CIRCULAR OR SQUARE WASHERS MEETING THE WASHER SIZE ARE ACCEPTABLE.
- MIN. PLATE WASHER SHALL BE 1/16" LARGER THAN ANCHOR DIAMETER.
- WELD PLATE WASHER TO BASEPLATE AT BASEPLATE WITH 3/16" FILLET AT 4-SIDES.

SOIL PRESSURE : 1500 psi		CONCRETE F'c : 3500 psi	REBAR Fy : 60,000 psi
TYPE	FOOTING SIZE (FT) x THICKNESS (IN)	REBAR SIZE & SPACING E.A. WAY ³	
4x6	4'-0" x 6'-0" x 36"	#5 @ 6"OC TOP & BOTTOM	
4x7	4'-0" x 7'-0" x 36"	#5 @ 6"OC TOP & BOTTOM	
5	5'-0" x 5'-0" x 36"	#5 @ 6"OC TOP & BOTTOM	
5x6	5'-0" x 8'-0" x 36"	#5 @ 6"OC TOP & BOTTOM	

I/50.02 LEGEND:

I/SO.02 LEGEND:

- [1]** FULL HEIGHT VERTICAL BARS AS JAMB REINFORCING IN FIRST 2 CELLS ADJACENT TO OPENING. REINFORCE EACH CELL WITH SIZE 8 WALLS OF BAR TO MATCH JAMB REINFORCING. TYPICAL IN 8" WALLS AND 2 BARS TYPICAL IN 12" WALLS.
- [2]** LINTEL REINFORCING PER SECTION 4/0-2. EXTEND 2'-0" PAST EDGE OF OPENING ON EACH SIDE (TYPICAL).
- [3]** 2-B5 CONTINUOUS HORIZONTAL BARS AS SILL REINFORCING IN 8" COURSE BELOW OPENING (UNO). EXTEND 2'-0" PAST EDGE OF OPENING ON EACH SIDE (TYPICAL).
- [4]** FULL HEIGHT VERTICAL BARS FOR MASONRY WALL REINFORCING SCHEDULE 40. ONE BARS PER CELL. EACH END OF VERTICAL WALL CONTROL JOINTS.

GENERAL CRITERIA: (SECTION 2502.2 CONT.)

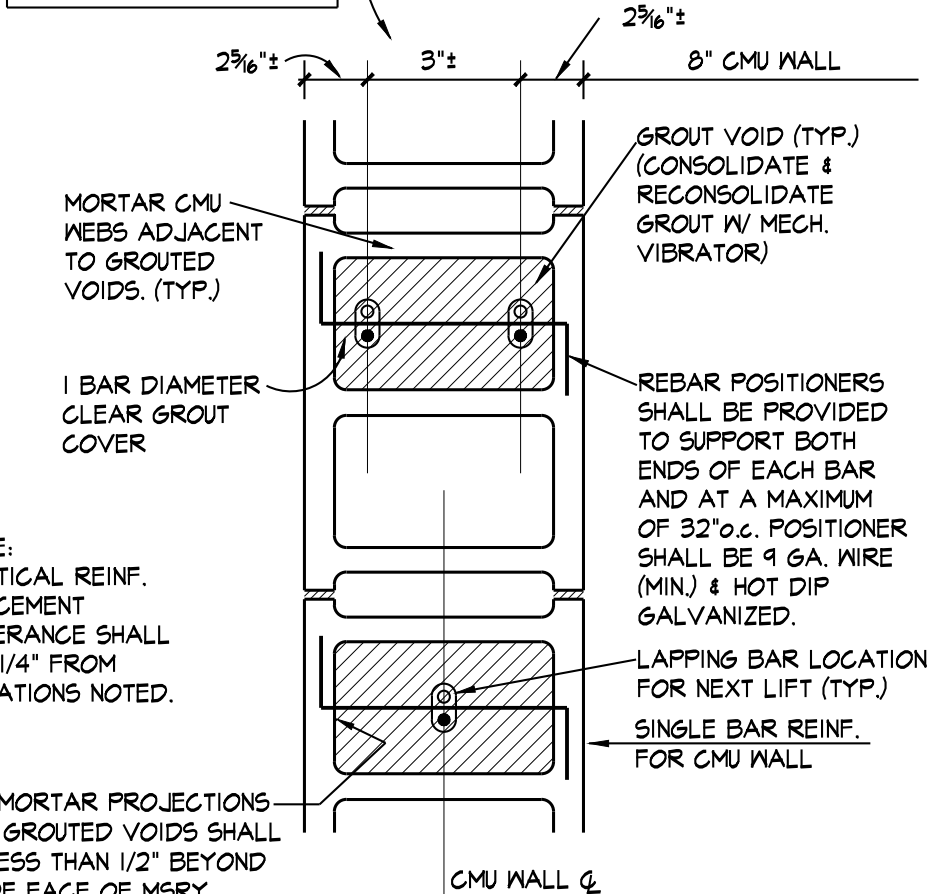
- 1) VERTICAL REIN. BARS SHALL BE DEVELOPED TO FOUNDATION WITH A DOWEL OF MATCHING SIZE AND SPACING.
- 2) CONTRACTOR SHALL COORDINATE AND VERIFY OPENINGS IN MASONRY WALLS. OPENINGS SHALL BE DETAILED ON REINFORCING STEEL SHOP DRAWING ELEVATIONS.
- 3) VERTICAL CONTROL JOINTS IN MASONRY WALLS SHALL BE 3/4" WIDE, FULL HEIGHT WALL JOINTS. JOINTS SHALL BE SPACED AT 16'-0" MAX. AND 8'-0" MIN. AND LESS THAN 2'-0" FROM THE EDGE OF ANY OPENING. ALL HORIZONTAL JOINT REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS. ALL BOND BEAM HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH ALL CONTROL JOINTS. CONTRACTOR SHALL COORDINATE AND VERIFY ALL CONTROL JOINT LOCATIONS.

WALL THICKNESS	LOCATION	VERTICAL REINF. (IN GROUTED CELLS)	SPACING
8"		1- #5	24"oc

NOTES:

- IN ADDITION TO SPACING SHOWN IN SCHEDULE, VERTICAL REINFORCING SHALL BE PROVIDED IN GROUTED CELLS AT THE FOLLOWING LOCATIONS:
 - IN THE FIRST 3 CELLS ADJACENT TO EACH OPENING
 - IN THE END CELLS ON EACH SIDE OF VERTICAL CONTROL JOINTS
 - IN THE END CELLS OF EACH LENGTH OF WALL
 - AT EACH CORNER OF WALLS
- ALL MASONRY VOIDS AND BOND BEAMS TO BE GROUTED SHALL BE FREE OF DEBRIS AND MORTAR DROPPINGS PRIOR TO GROUTING. ANY MASONRY W/ DROPPINGS OR DEBRIS OBSERVED IN VOIDS SHALL BE REJECTED.

FORCING SHALL
PLACED IN
ITIONERS PRIOR
ROUTING



NOTE:
VERTICAL REINF.
PLACEMENT
TOLERANCE SHALL
BE $\pm 1/4"$ FROM
LOCATIONS NOTED.

NOTE:
ALL MASONRY VOIDS AND BOND BEAMS TO BE
GROUTED SHALL BE FREE OF DEBRIS AND
MORTAR DROPPINGS PRIOR TO GROUTING.
ANY MASONRY W/ DROPPINGS OR DEBRIS
OBSERVED IN VOIDS SHALL BE REJECTED.

TYPICAL REBAR POSITIONING DETAIL

SECTION 3
1/2" = 1'-0" 50.2

MSRY VENEER PER ARCH.

SE LINTEL PER SCHEDULE
CED W/ VERTICAL LEG
INST BACK OF MSRY
VEER W/ 8" MIN. BEARING AT
H END (ALL EXTERIOR
ELS TO BE GALV.)

WALL STUD
PER PLAN

BOX HEADER
PER SCHED

B/S TL.
EL. PER ARCH.

1/2" MAX OVERHANG

TYPICAL LOOSE LINTEL DETAIL @ COLD-FORMED FRAMED WALL

SECTION 4
 $\frac{3}{4}" = 1'-0"$ 50.2

FOR OPENINGS:	GALV. ANGLE
6'-0" < OPENING < 9'-0"	L6"x6"x $\frac{3}{8}$ "

NOTE:
1. CUT HORIZONTAL LEG TO FOLLOW RADIUS OF BRICK.

DETAIL $\frac{1\frac{1}{2}'' = 1'-0''$ SC

TYPICAL MASONRY COLUMN
SECTION

#3 TIES @ 8"oc THROUGH COLUMN HEIGHT PLUS 2'-0" ABOVE AND BELOW OPENING. CUT WEBS OF BLOCK AS REQ'D TO RECEIVE TIES (ALT TIE SIZE/SIZE @ EA COURSE)

TIE SHAPES





ALL VOIDS IN
COLUMN SHALL
BE GROUTED

TYPICAL MASONRY COLUMN
SECTION

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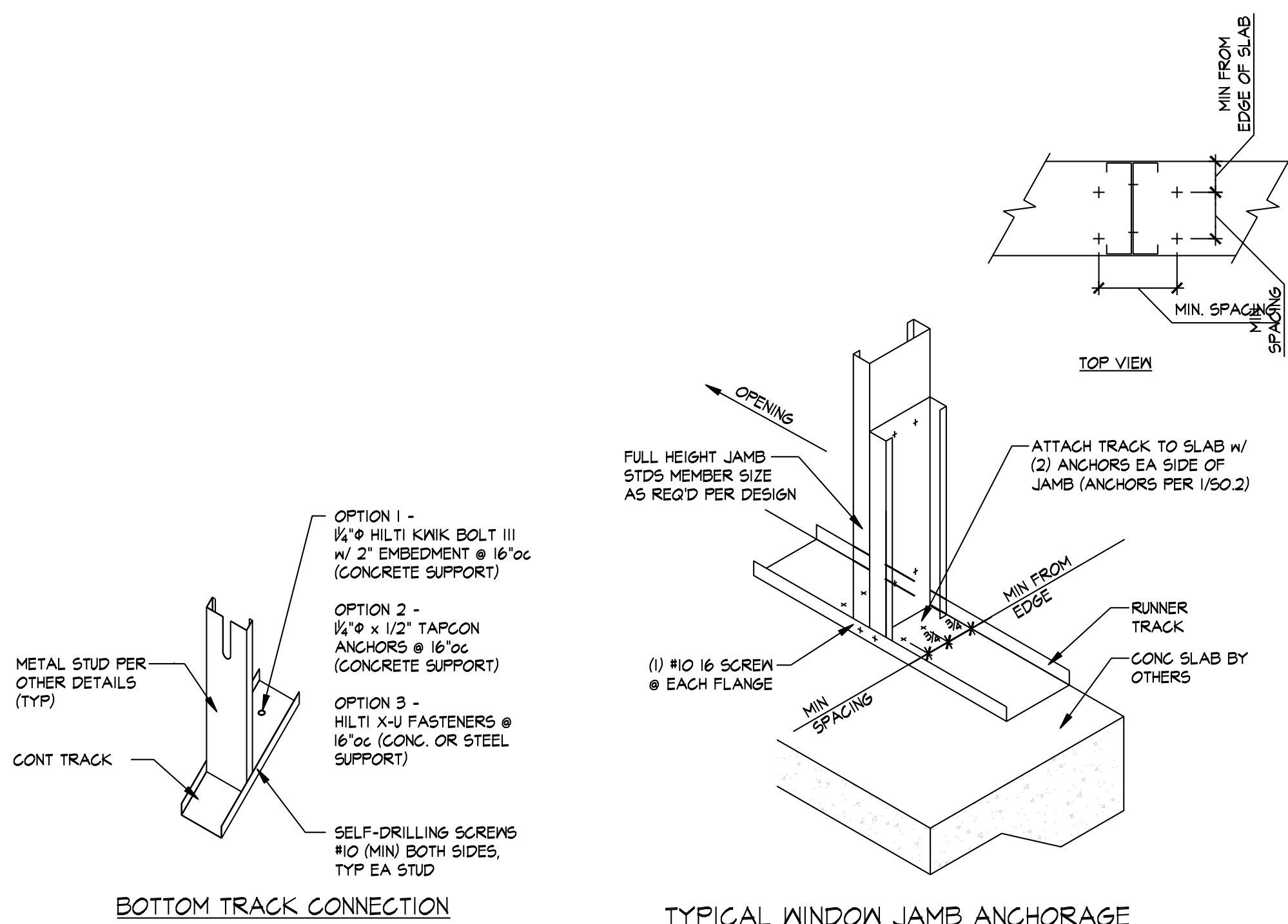
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S0.2

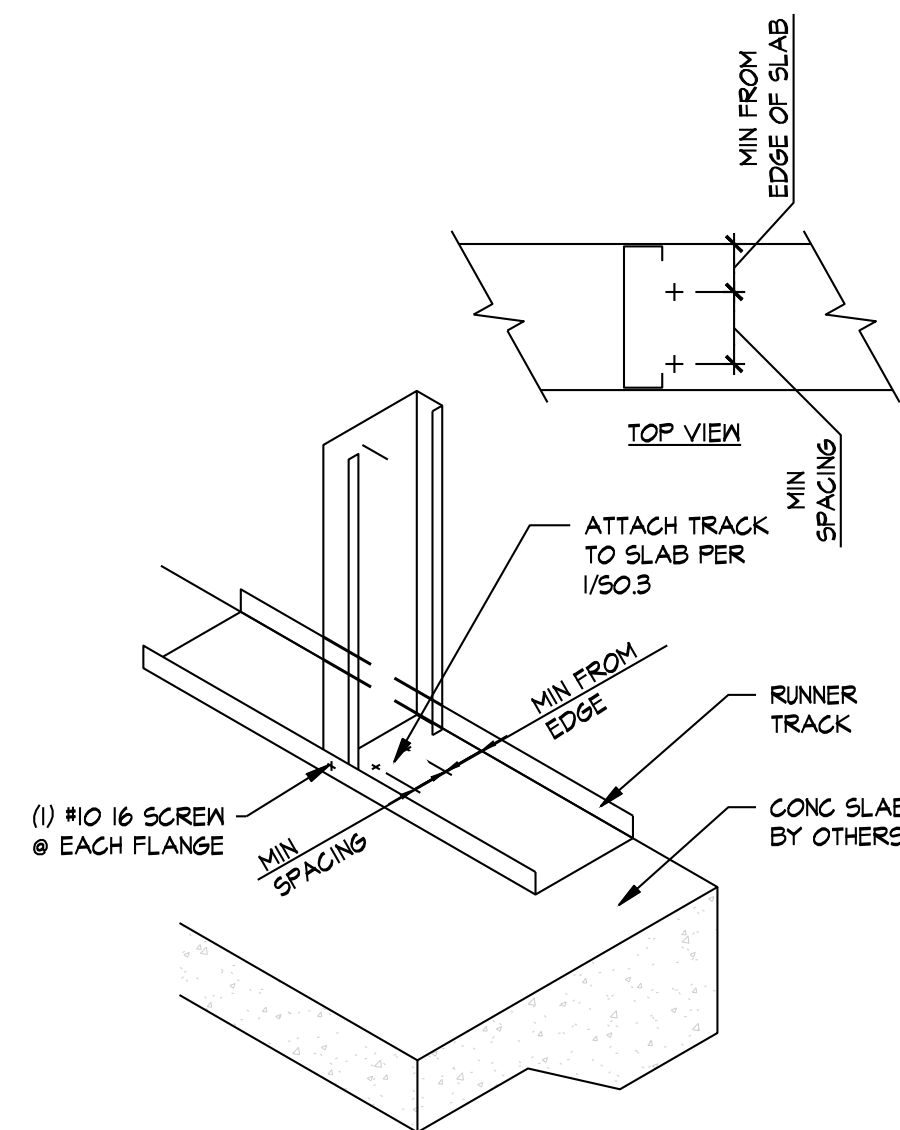
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SECTION 1
3/4" = 1'-0" (S0.3)

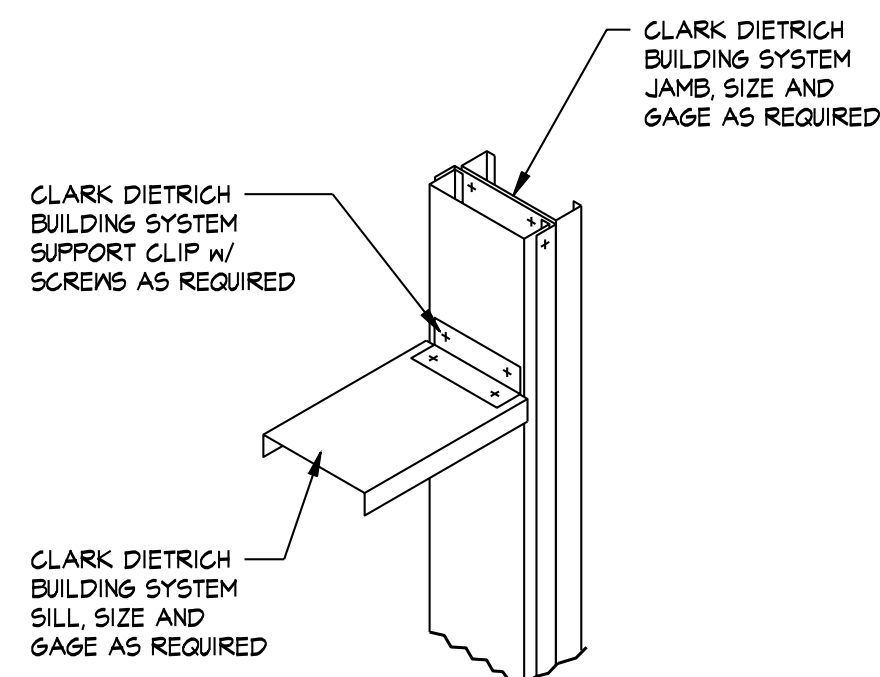
TYPICAL WINDOW JAMB ANCHORAGE

SECTION 2
3/4" = 1'-0" (S0.3)



TYPICAL STUD TO TRACK DETAIL

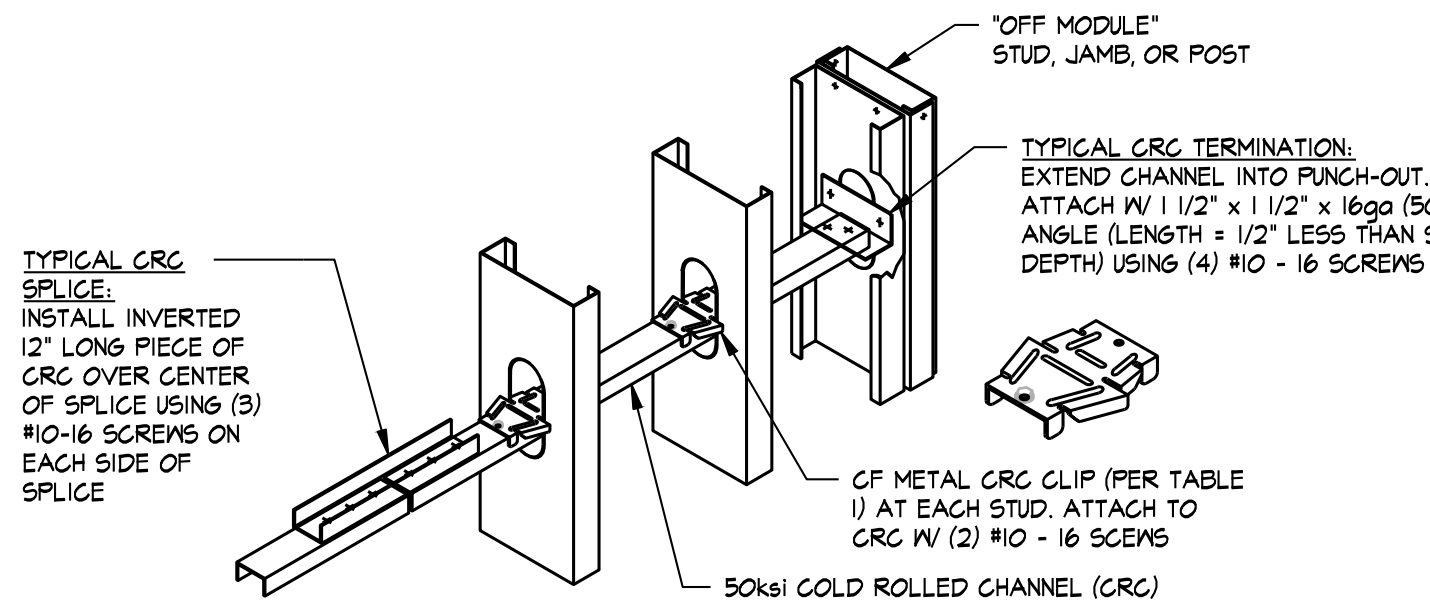
SECTION 3
3/4" = 1'-0" (S0.3)



TYPICAL SILL DETAIL

SECTION 4
3/4" = 1'-0" (S0.3)

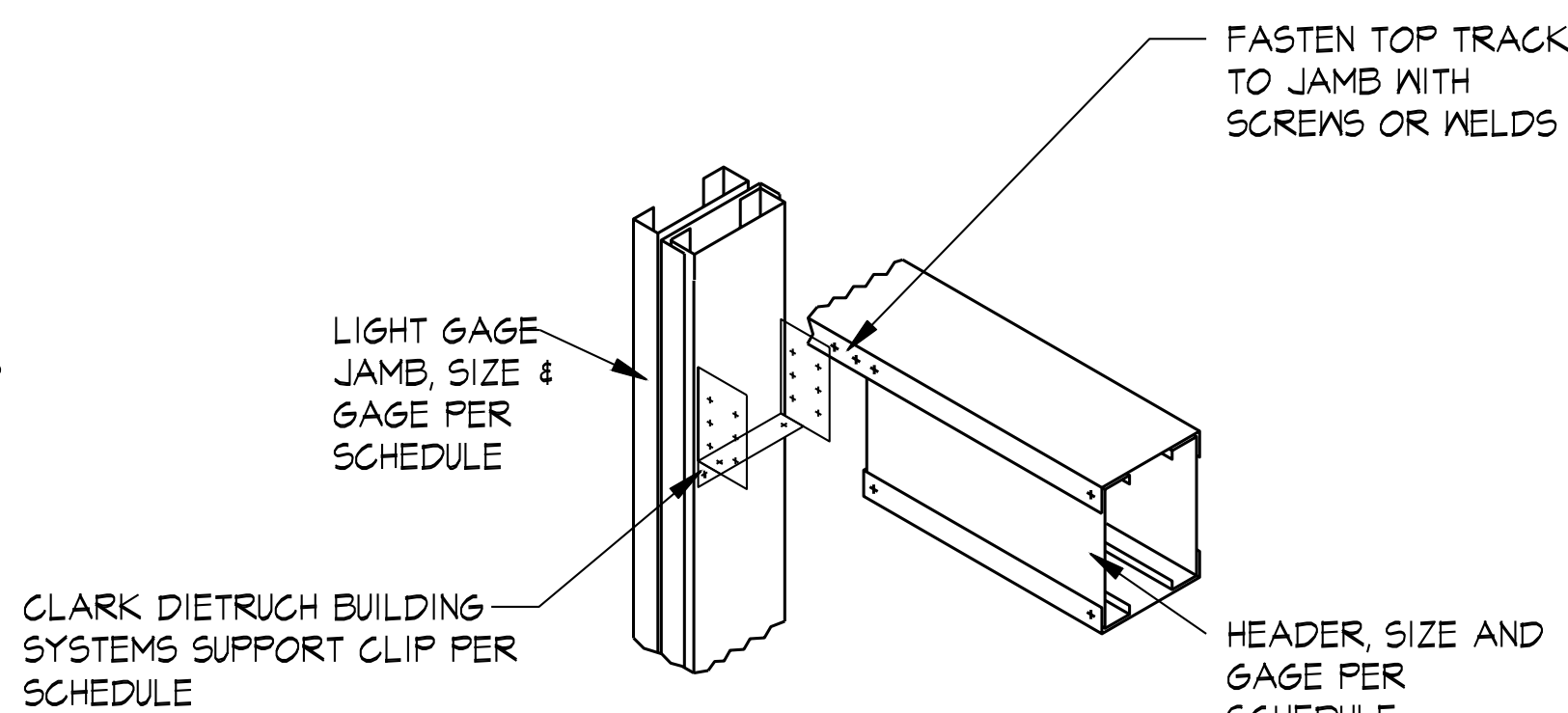
TABLE I	
STUD THICKNESS	CONNECTOR
33 - 43 MIL	18ga
54 - 97 MIL	14ga



THIS DETAIL IS NOT SUITABLE FOR WALL STUDS DEEPER THAN 6"

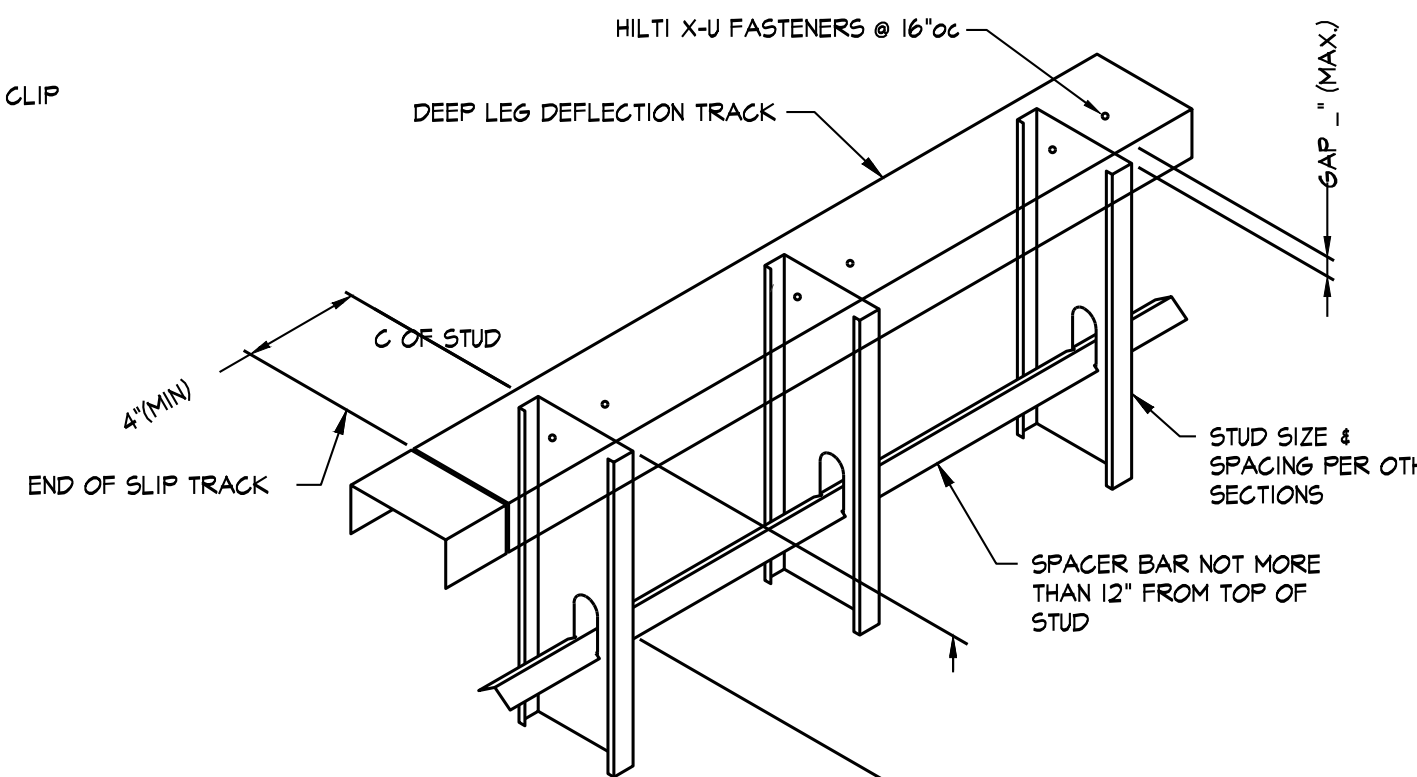
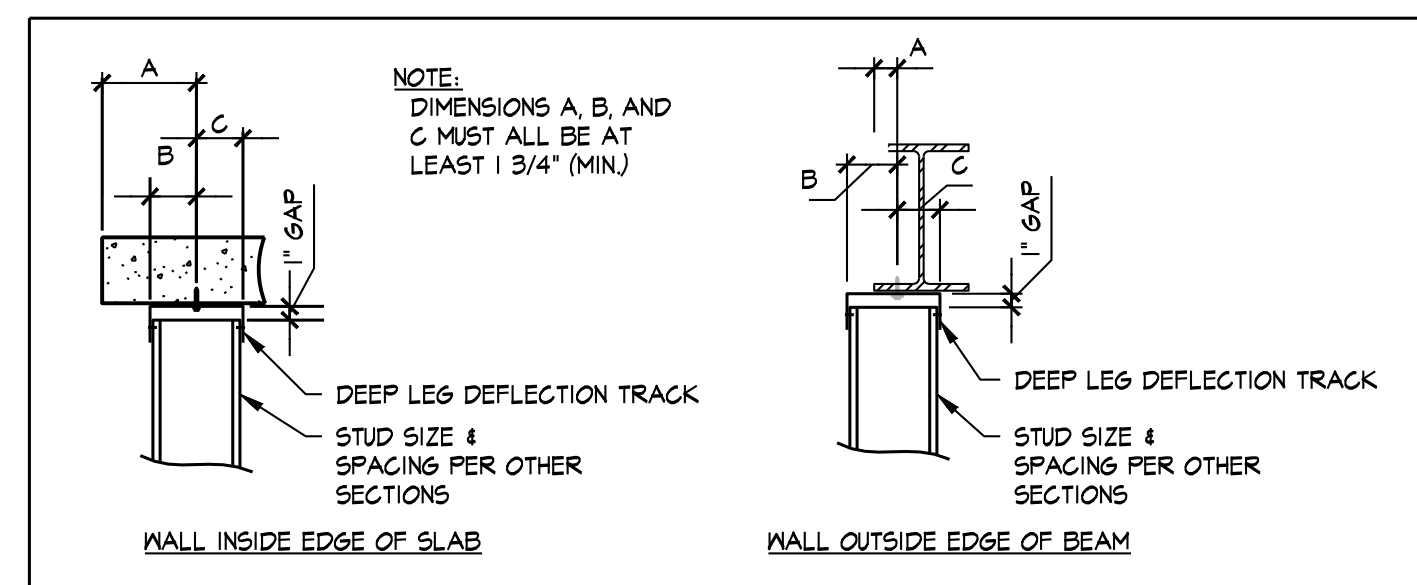
LATERAL BRACING

SECTION 9
3/4" = 1'-0" (S0.3)



TYPICAL HEADER DETAIL

SECTION 5
1/2" = 1'-0" (S0.3)

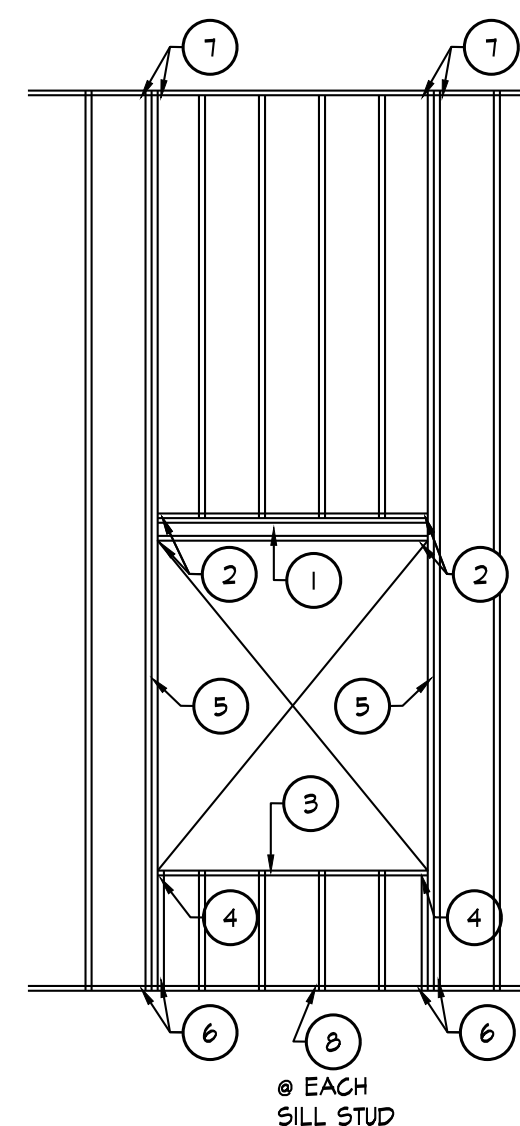


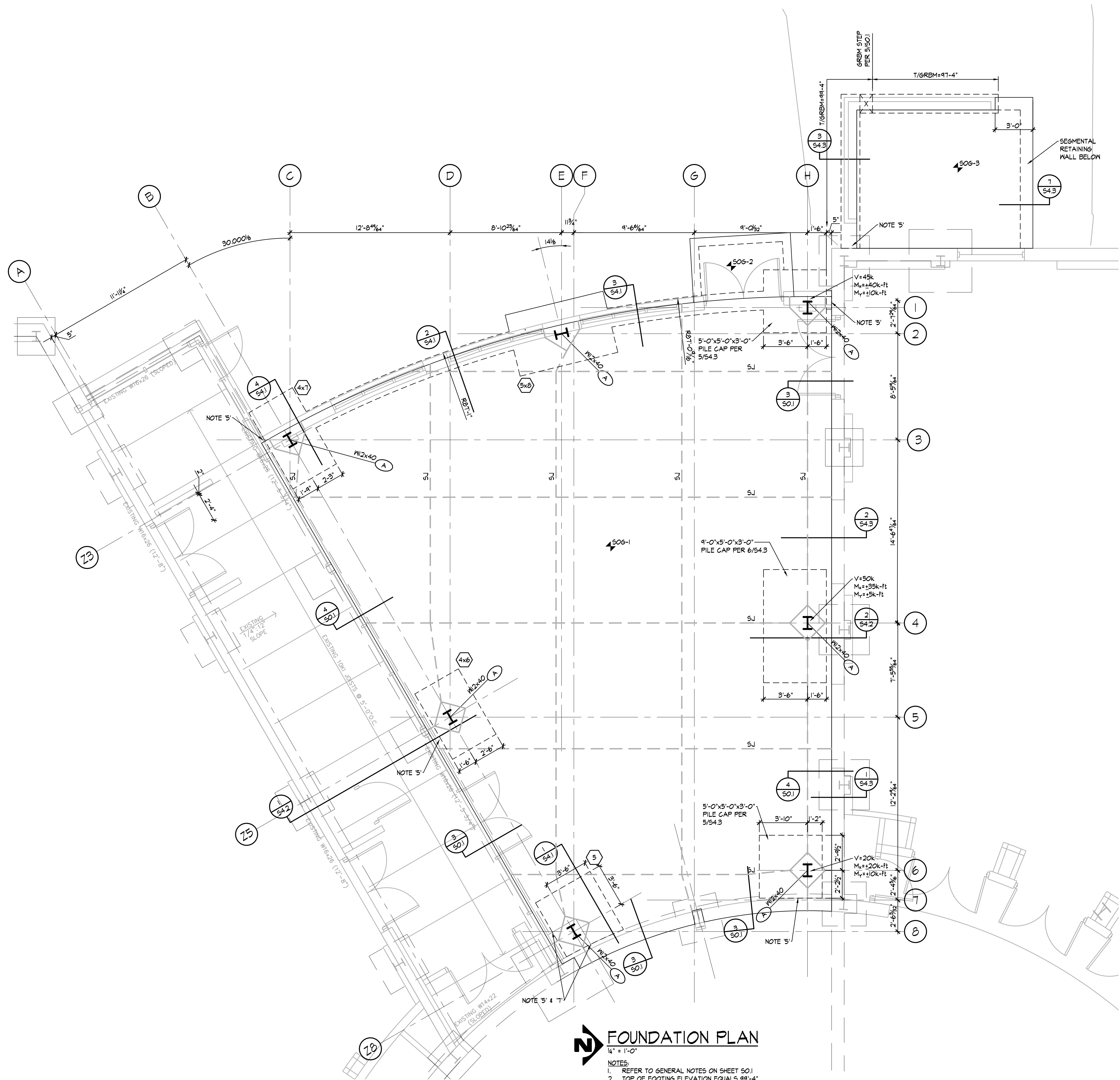
DEEP LEG DEFLECTION TRACK

SECTION 10
3/4" = 1'-0" (S0.3)

COLD-FORMED OPENING SCHEDULE								
MARK	1 HEADER ³	2 HEADER CONNECTION	3 SILL	4 SILL CONNECTION	5 JAMB STUDS ³	6 JAMB STUD BASE CONNECTION	7 JAMB STUD HEAD CONNECTION	8 SILL STUDS BASE CONNECTION
(CF)	(2) 600T125-43 & (2) 600S162-43	H686 HEADER HANGER EA SIDE w/ (30) 1/4"-14 SCREWS	NA	NA	(2) 600S162-43 (1) 600T125-43	UNICLIP- 2 #12 SCREWS TO JAMB (2) HILTI XU TO FOUNDATION	FASTCLIP- 2 #12 SCREWS EACH LEG OF CLIPS	PER NOTE 5

- NOTES:
1. ALL MEMBERS SHALL BE FULLY CONTINUOUS (DO NOT CUT NOR SPLICE) AND BE G60 COATED.
 2. ALL MEMBERS GREATER THAN 18ga SHALL BE SOKSI.
 3. CONNECT HEADER TRACKS TO EACH HEADER JOIST w/ #12 SCREW @ 24" OC MAX ALONG EACH TRACK FLANGE AND WEB.
 4. FASTEN SHEATHING TO STUDS, TOP & BOTTOM TRACKS (BUT NOT DEFLECTION TRACKS) AT 12" OC IN FIELD OF PANEL & 6" OC AT EDGES UNO.
 5. FASTEN TRACKS THROUGH EACH FLANGE TO EACH STUD w/ #10 SCREWS UNO.





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

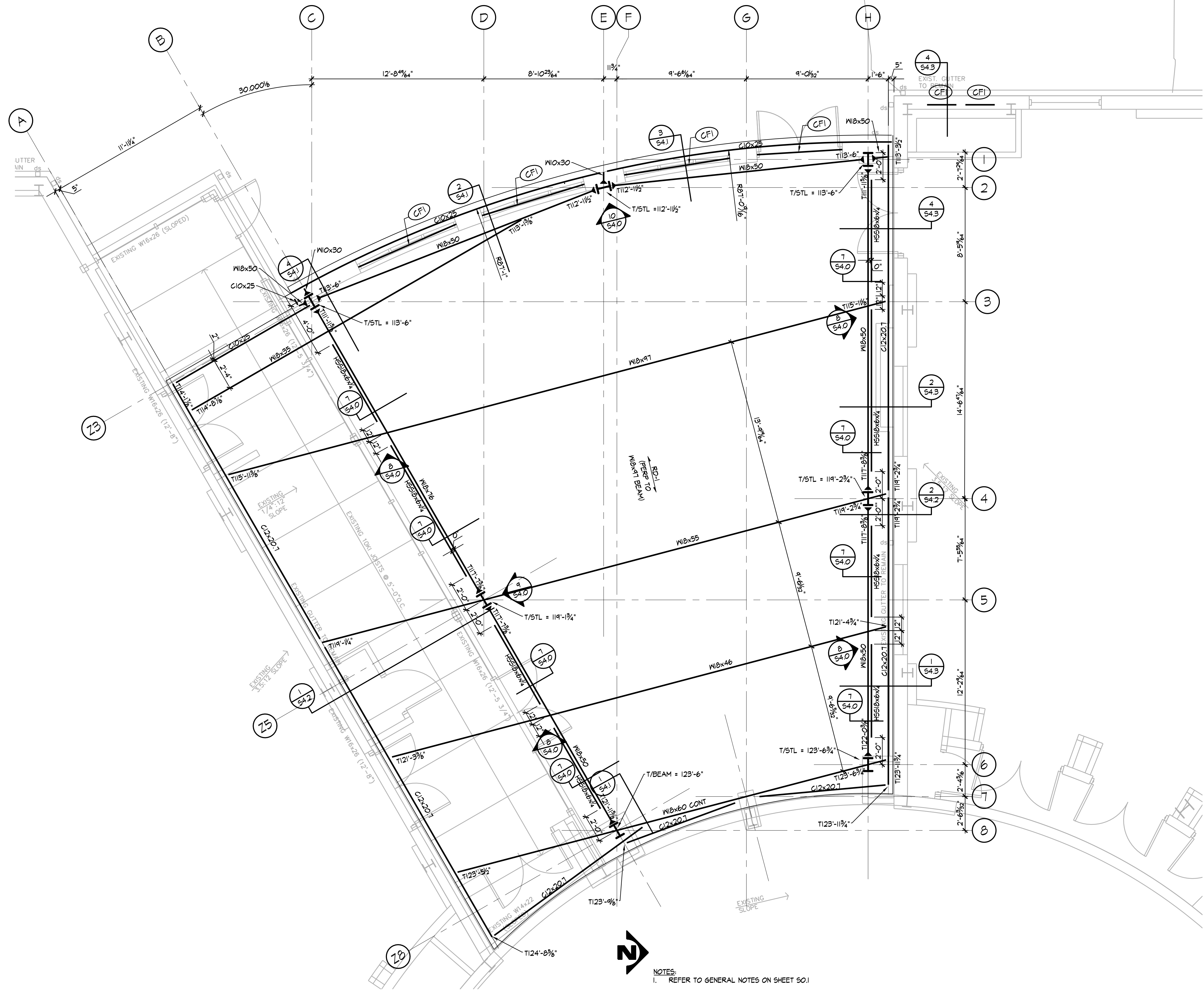
- NOTES:
1. REFER TO GENERAL NOTES ON SHEET SO.1
 2. TOP OF FOOTING ELEVATION EQUALS 88'-4"
 3. REFER TO SO.1 FOR TYPICAL FOUNDATION DETAILS NOT CUT ON PLAN
 4. REMOVE EXISTING SLAB ON GRADE AS REQUIRED TO PERFORM WORK AND REPAIR PER 3/SO.1
 5. PROVIDE (12) #5x3'-6" (6T, 6B) DRILL & EPOXY 12" INTO EXISTING FOOTING & PROJECT INTO NEW FOOTING. LOCATE 4" CLEAR FROM TOP/BOTTOM OF EXISTING FOOTING.
 6. ALL LOADS ARE UNFACTORED (D, L, 0.6W) AND INCLUDE THE SELF WEIGHT OF THE FOOTING. MOMENTS INDICATED AS M_x ARE FOR THE STRONG AXIS OF THE COLUMN AND M_y ARE WEAK AXIS MOMENTS DON'T INCLUDE ECCENTRICITY OF COLUMN LOCATION RELATIVE TO PILE CAP.
 7. REMOVE OVERLAPPING PORTION OF EXISTING FOOTING.

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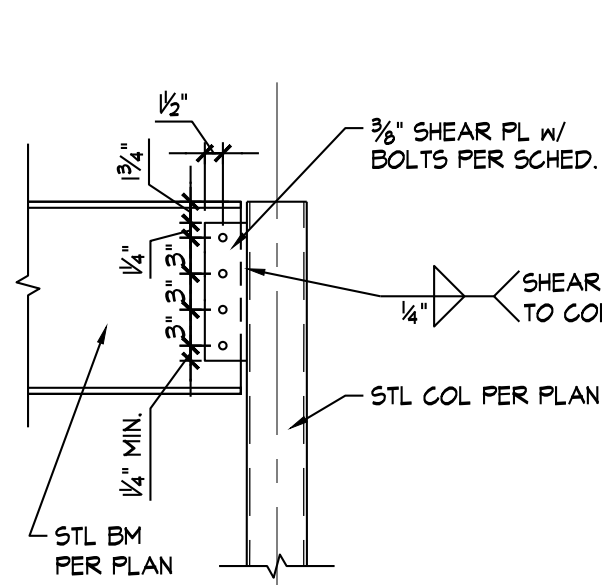


NOTES:
1. REFER TO GENERAL NOTES ON SHEET SO.1

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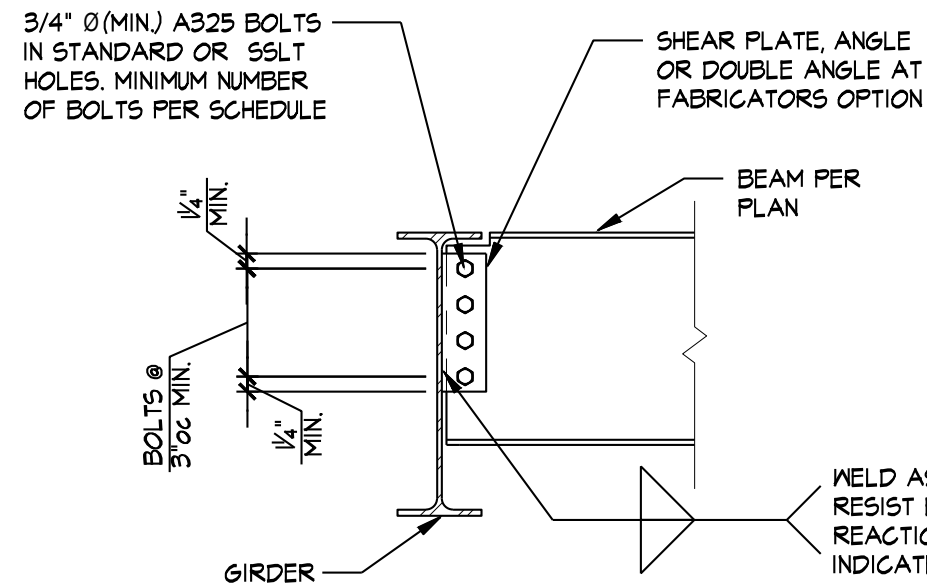
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TYPICAL @ CONTINUOUS COLUMN

SECTION 1
3/4" = 1'-0" S4.0

# OF BOLTS SCHEDULE	
BM SIZE	# OF BOLTS
W10	2
W12/W14	3
W16	4
W18	5
W21	6
W24	7

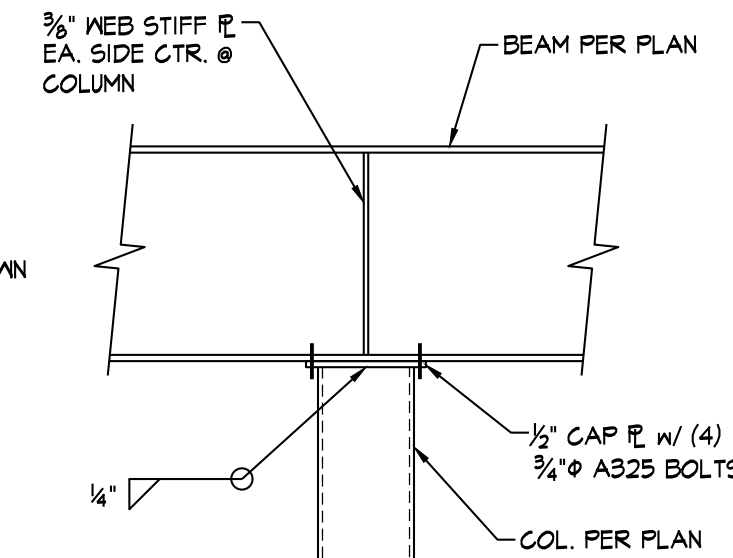


TYPICAL BEAM TO GIRDER CONNECTION

SECTION 2
3/4" = 1'-0" S4.0

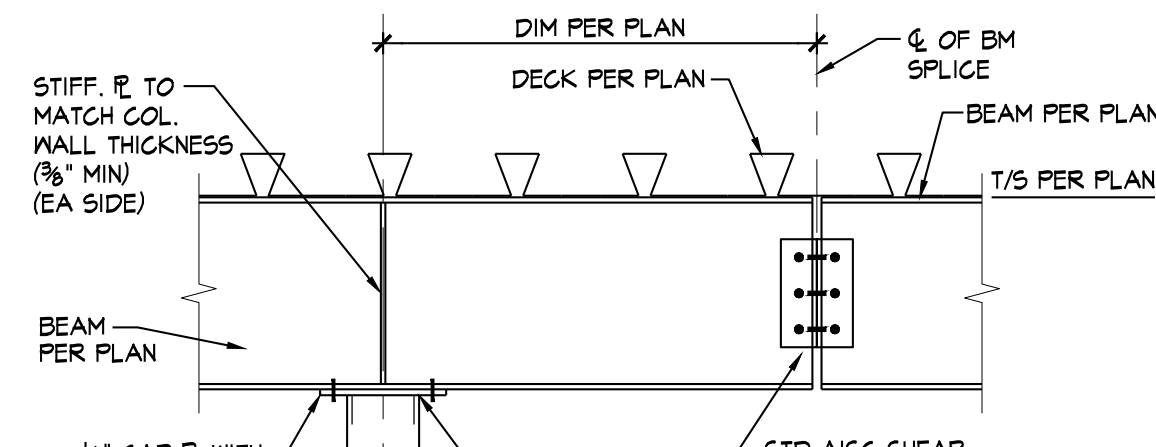
STEEL CONNECTION NOTES:

1. REFER TO GENERAL NOTES ON SHEET S0.1.
2. CONNECTIONS SHOWN IN THESE DETAILS ARE MINIMUM REQUIREMENTS.
3. FABRICATOR MAY OPT TO USE OTHER AISC APPROVED CONNECTIONS IN LIEU OF THESE SHOWN HEREIN TO MEET END REACTION REQUIREMENTS (i.e. DOUBLE ANGLE CONNECTION).
4. CONNECTION DETAILING SHALL COMPLY WITH THE STANDARD DETAILS SHOWN IN THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION.
5. ALL BOLTS SHALL BE 3/4" Ø ASTM A325 MINIMUM.
6. ALL BOLTS SHALL BE SPACED AT 3" O.C. MINIMUM.
7. ALL BOLTS SHALL HAVE HEAVY HEX NUTS.
8. ALL BOLTS SHALL BE FULLY PRE-TENSIONED.
9. BOLT SPACING AND EDGE DISTANCES SHALL BE ADJUSTED PER AISC MANUAL FOR BOLTS LARGER THAN 3/4" DIAMETER. AISC MANUAL FOR BOLTS LARGER THAN 3/4" DIAMETER.
10. CLIP ANGLES MAY BE SHOP WELDED TO BEAM WEB PER AISC.



TYPICAL @ CONTINUOUS BEAM

SECTION 3
3/4" = 1'-0" S4.0



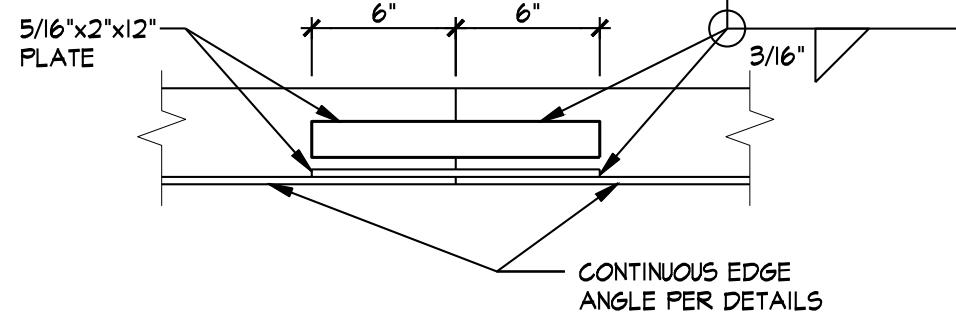
TYPICAL BEAM SPLICE

SECTION 4
3/4" = 1'-0" S4.0

MINIMUM CONNECTION SCHEDULE		
BEAM SIZE	MINIMUM "N" QUANTITY 3/4" BOLTS IN WEB	MINIMUM LENGTH, "L" (IN)
W8,C8	2	6
W10,C10	3	9
W12,C12	3	9
W14,C15	3	9
W16	4	12
W18	5	15
W21	6	18
W24	6	18

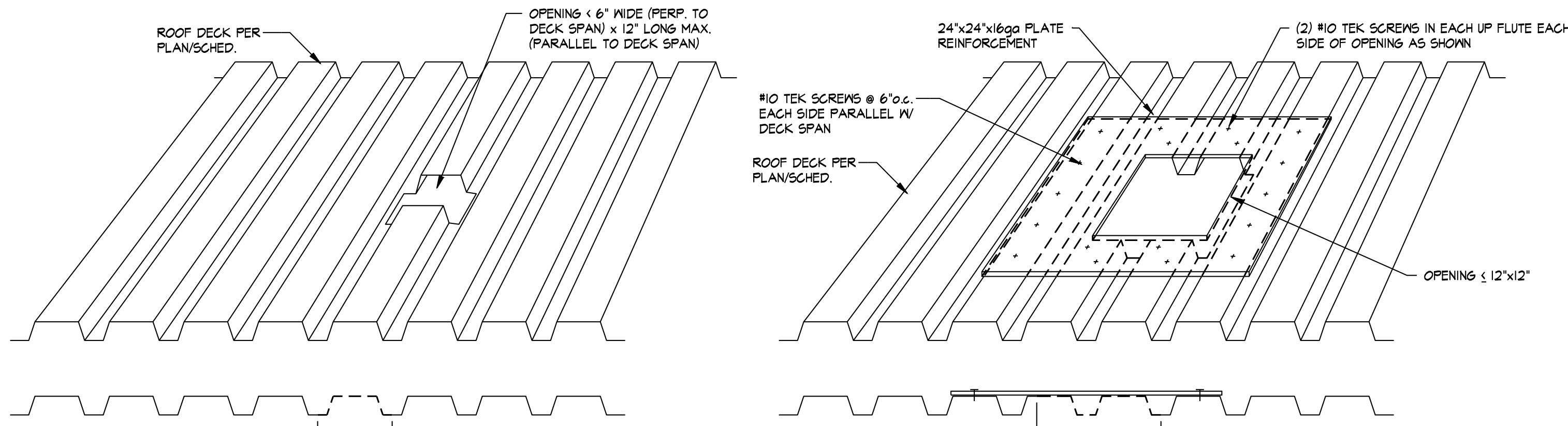
- SCHEDULE NOTES:
1. ALL BOLTS SHALL BE 3/4" Ø ASTM A325.
 2. ALL BOLTS SHALL HAVE HEAVY HEX NUTS.
 3. ALL BOLTS SHALL BE FULLY PRE-TENSIONED.

NOTE: WELD SPLICE PLATE ON HORIZONTAL LEG AS SHOWN IS NOT REQ'D WHERE SPLICE OCCURS ATOP CONTINUOUS BEAM



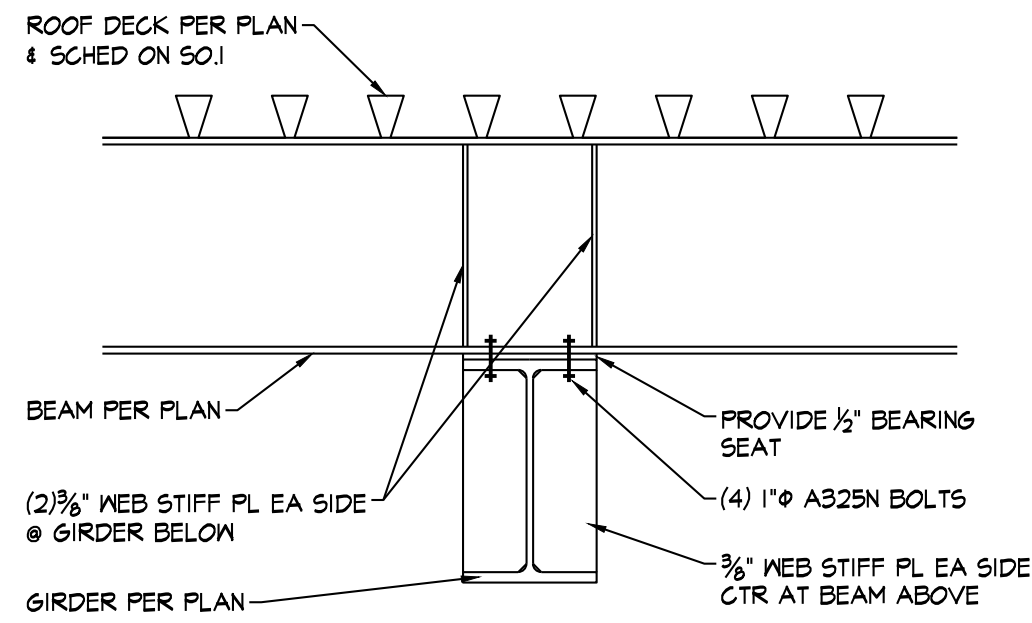
TYPICAL ROOF DECK ANGLE SPLICE

SECTION 5
1/2" = 1'-0" S4.0

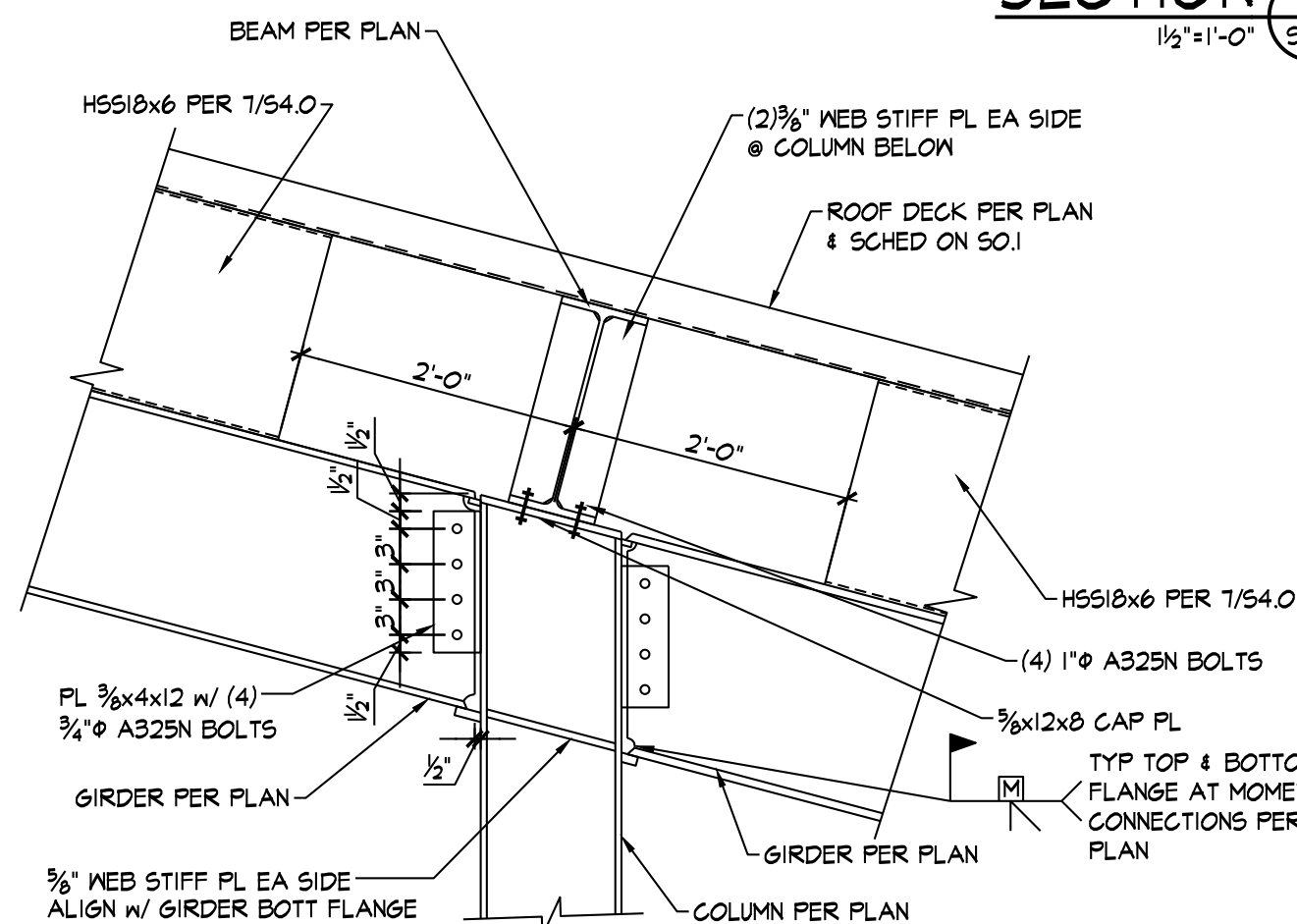


TYPICAL DECK REINFORCING AT SMALL OPENINGS IN ROOF DECK

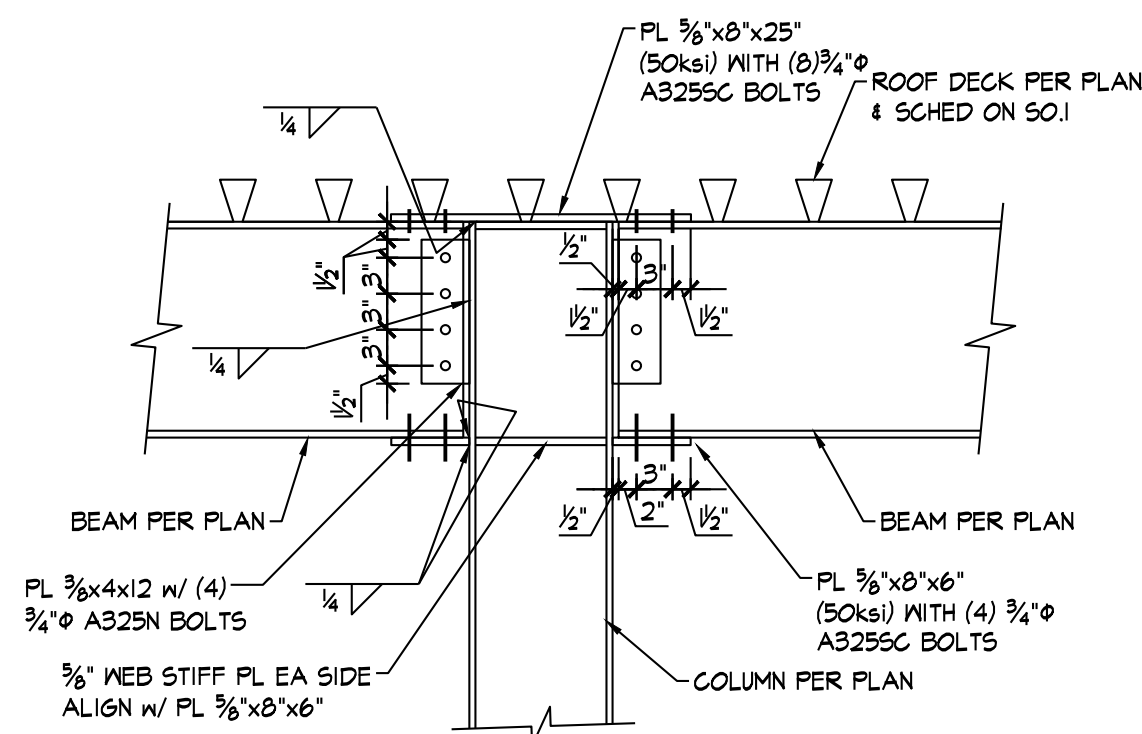
SECTION 6
1/2" = 1'-0" S4.0



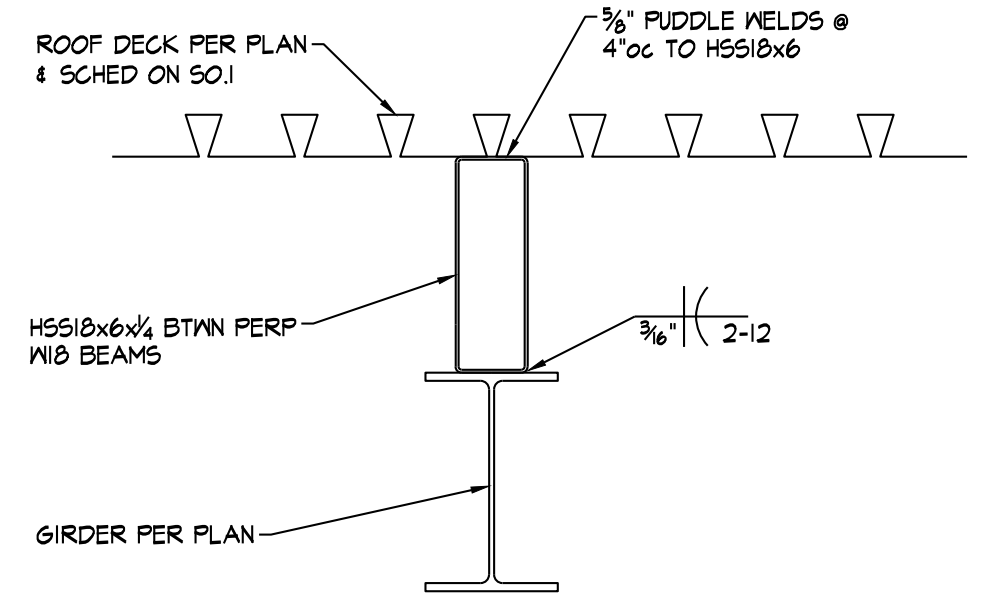
SECTION 8
3/4" = 1'-0" S4.0



SECTION 9
3/4" = 1'-0" S4.0



SECTION 10
3/4" = 1'-0" S4.0



SECTION 7
3/4" = 1'-0" S4.0

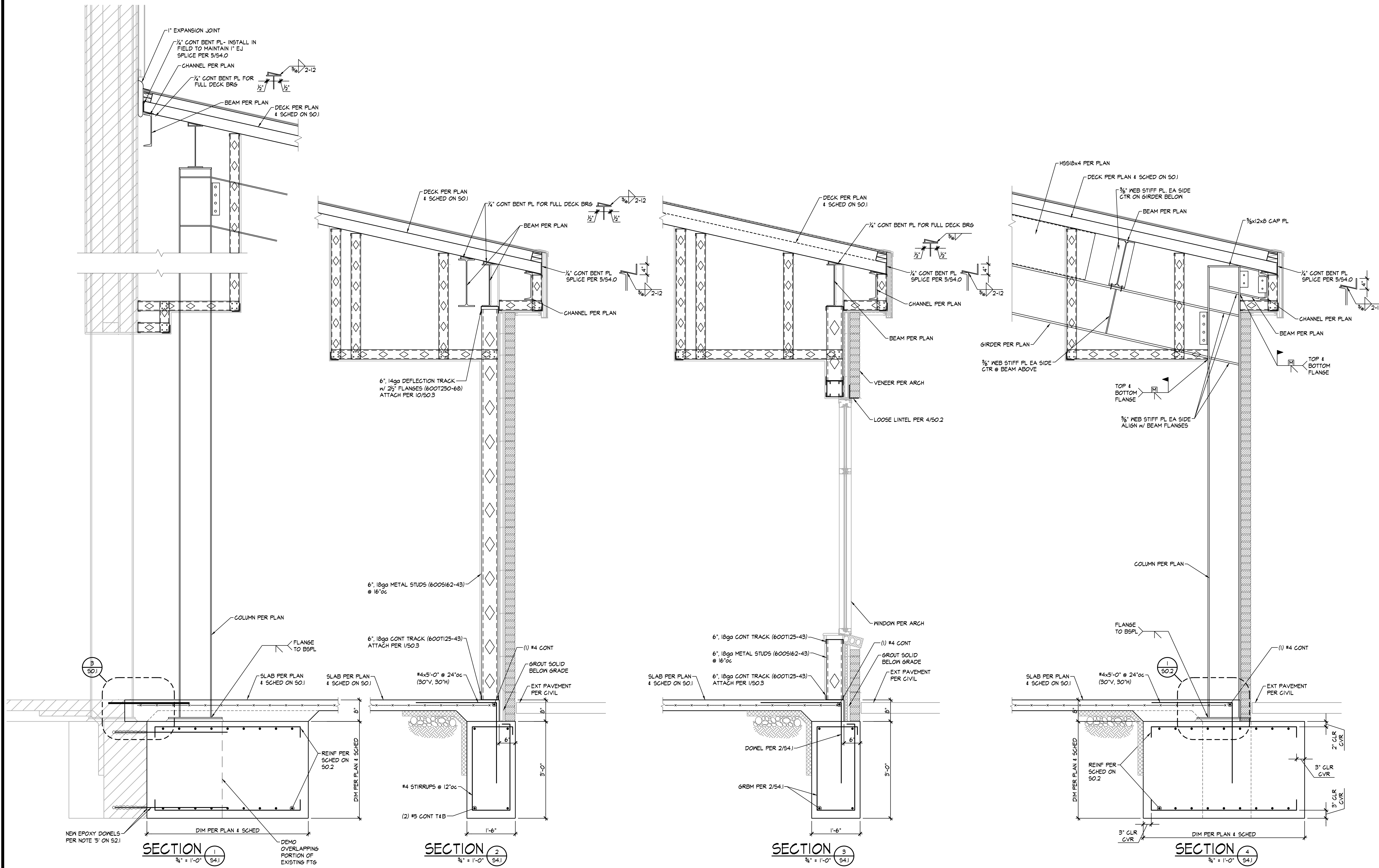


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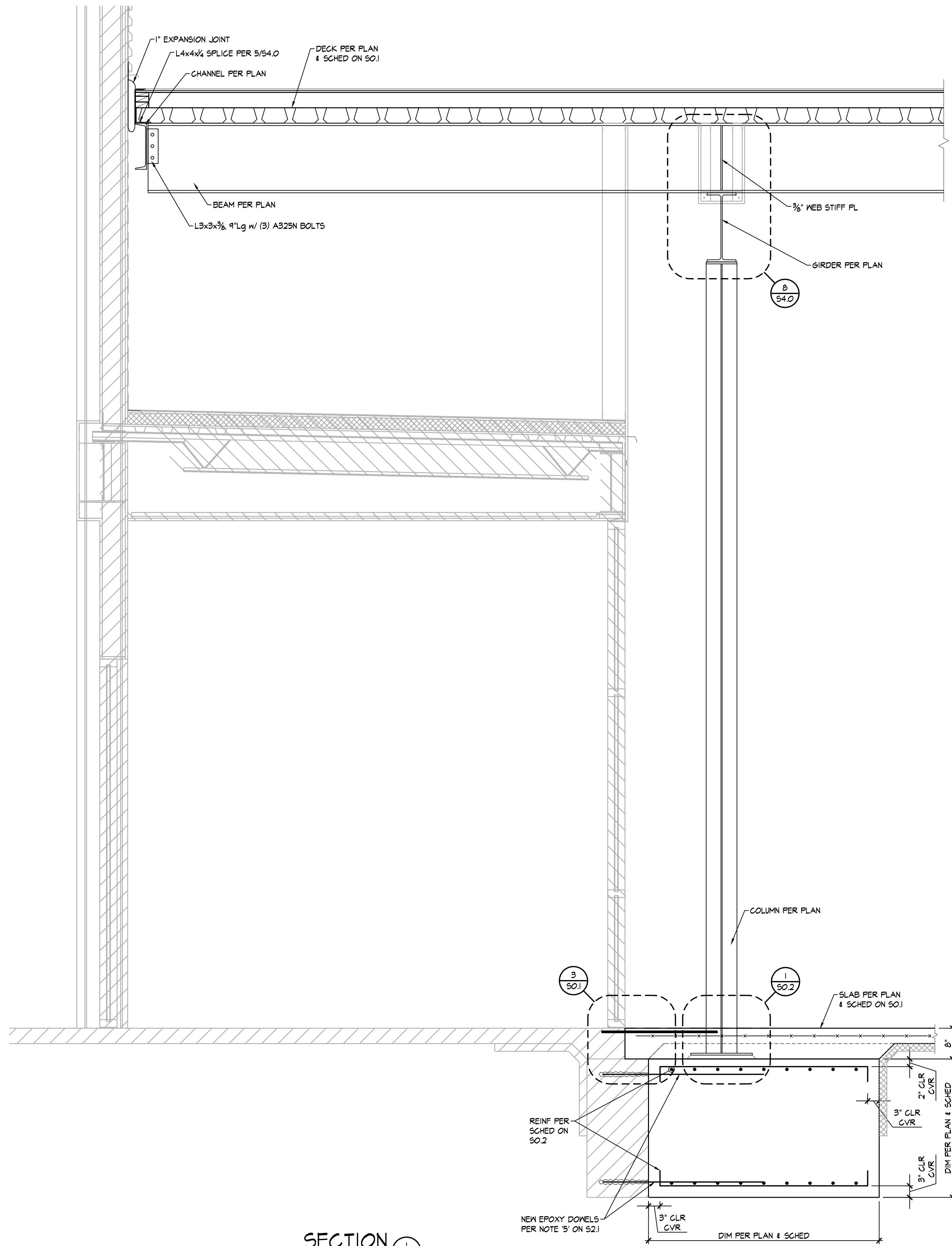
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S4.1

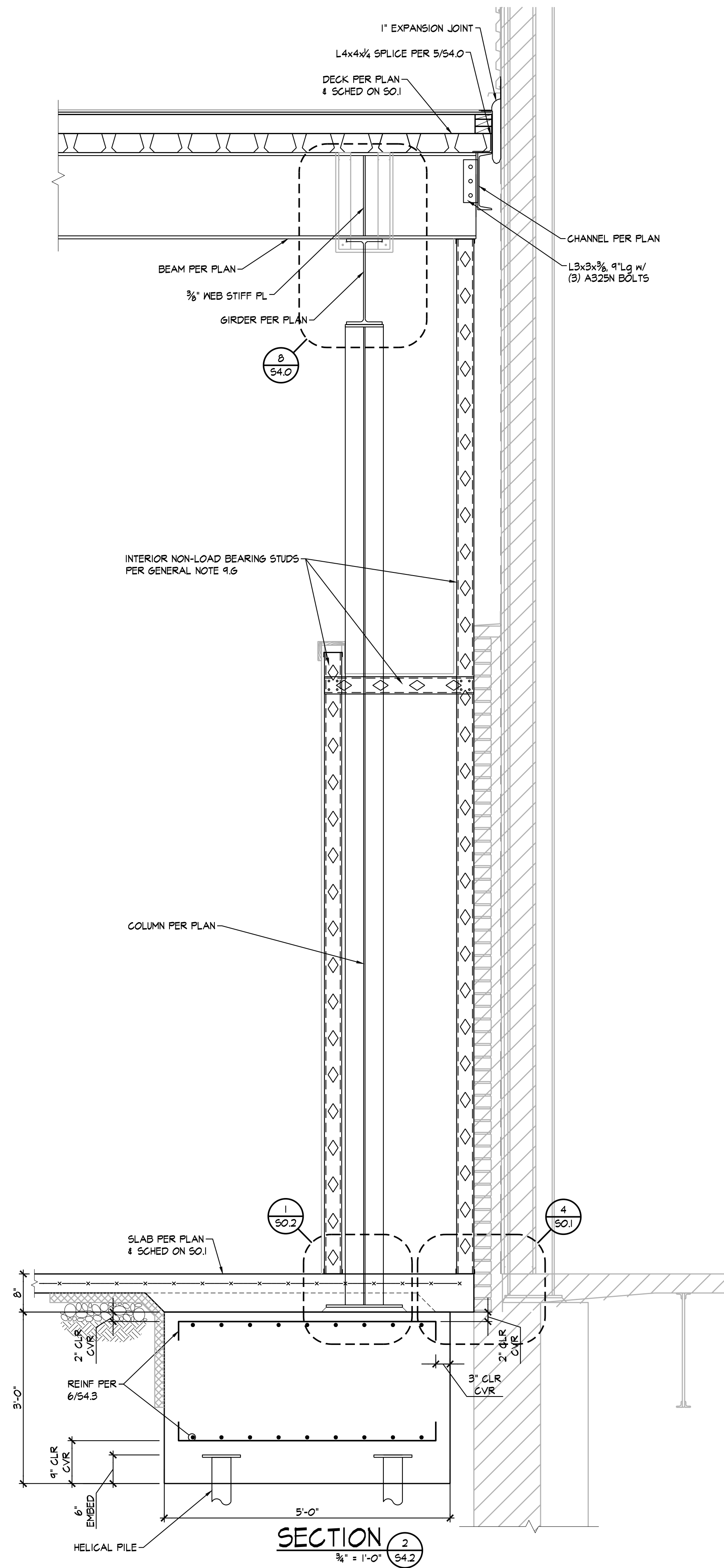
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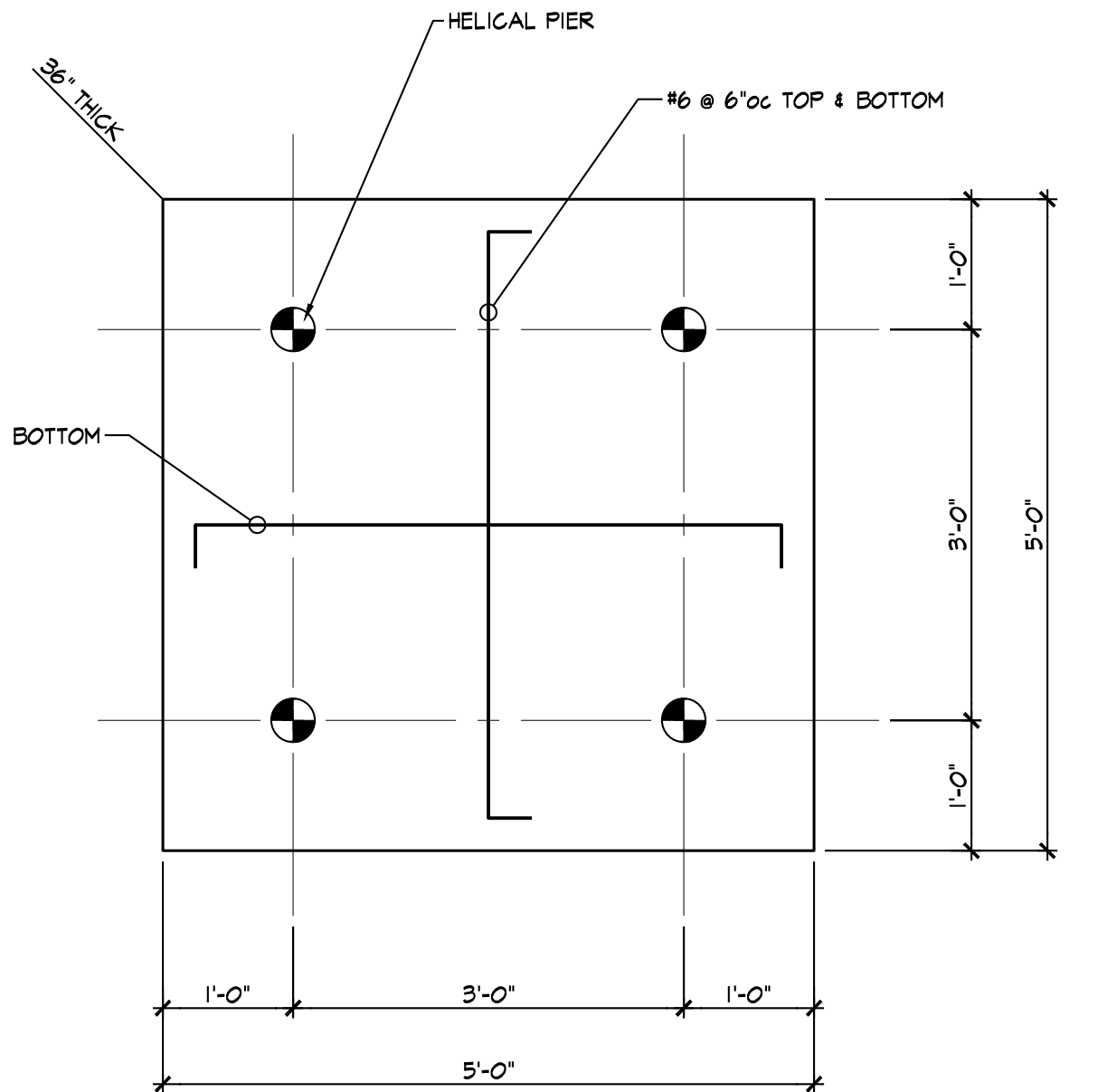
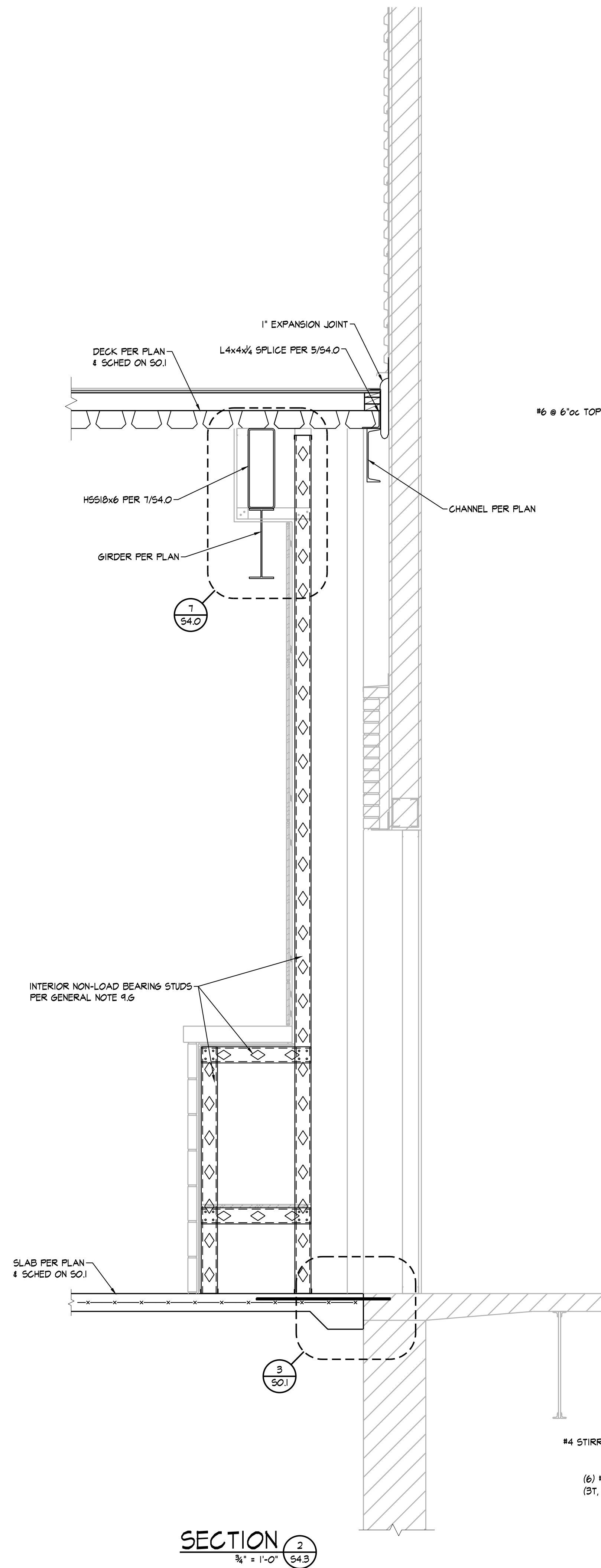
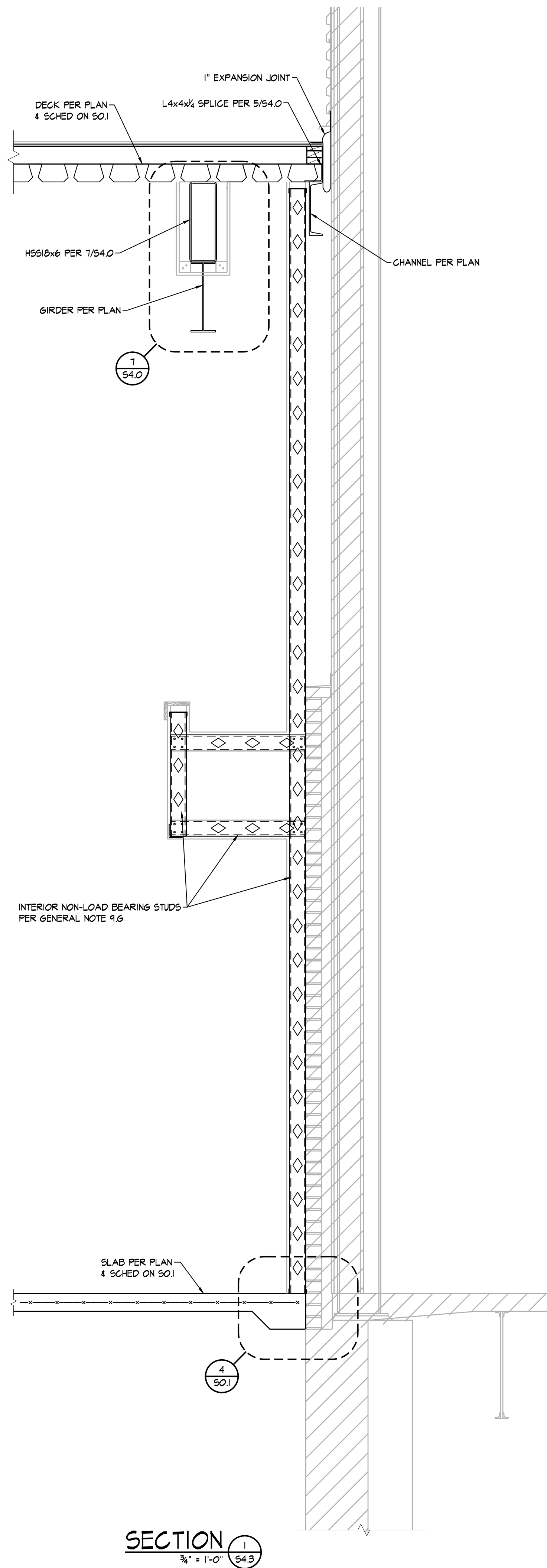
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SECTION 1
3/4" = 1'-0" S4.2

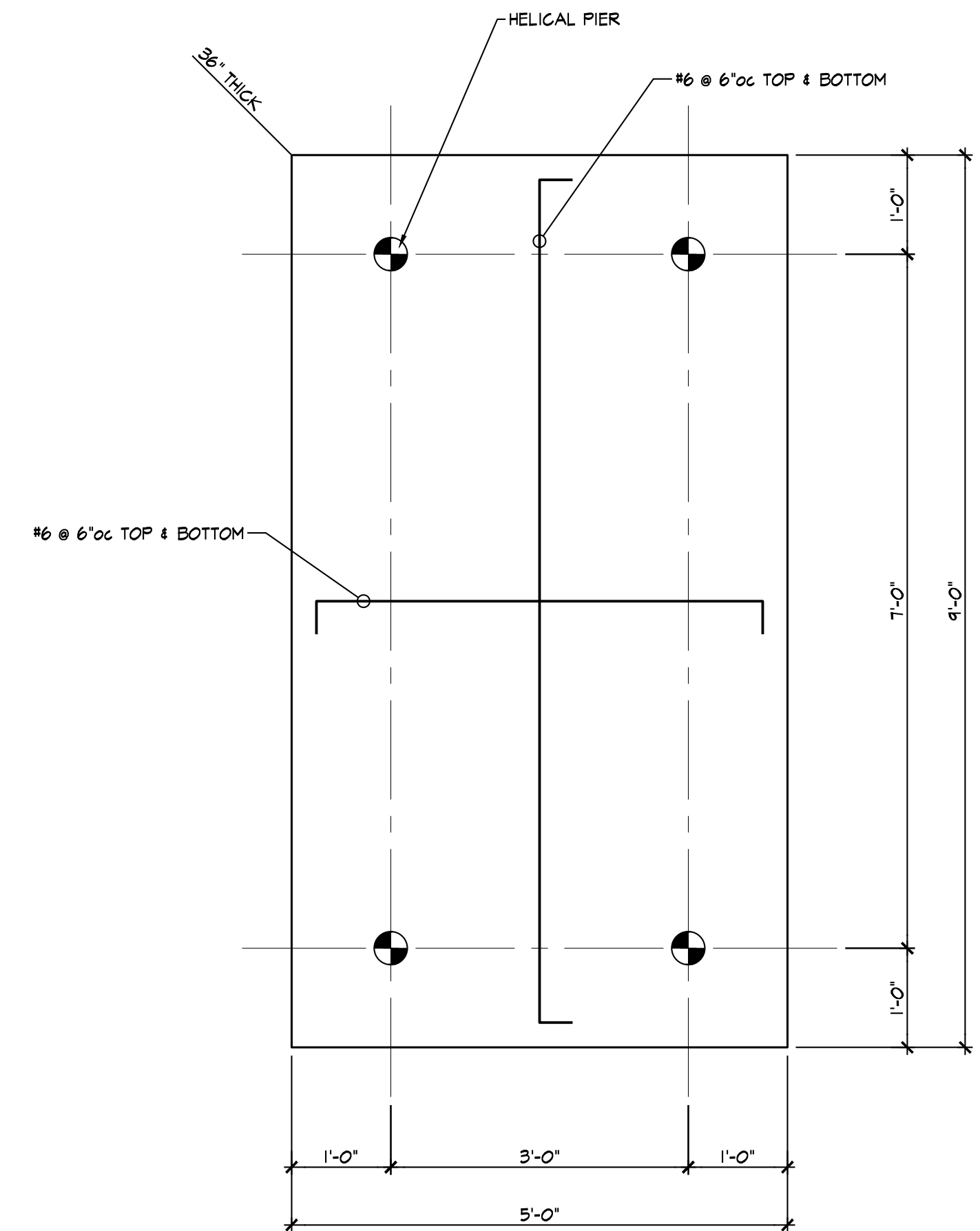


SECTION 2
3/4" = 1'-0" S4.2



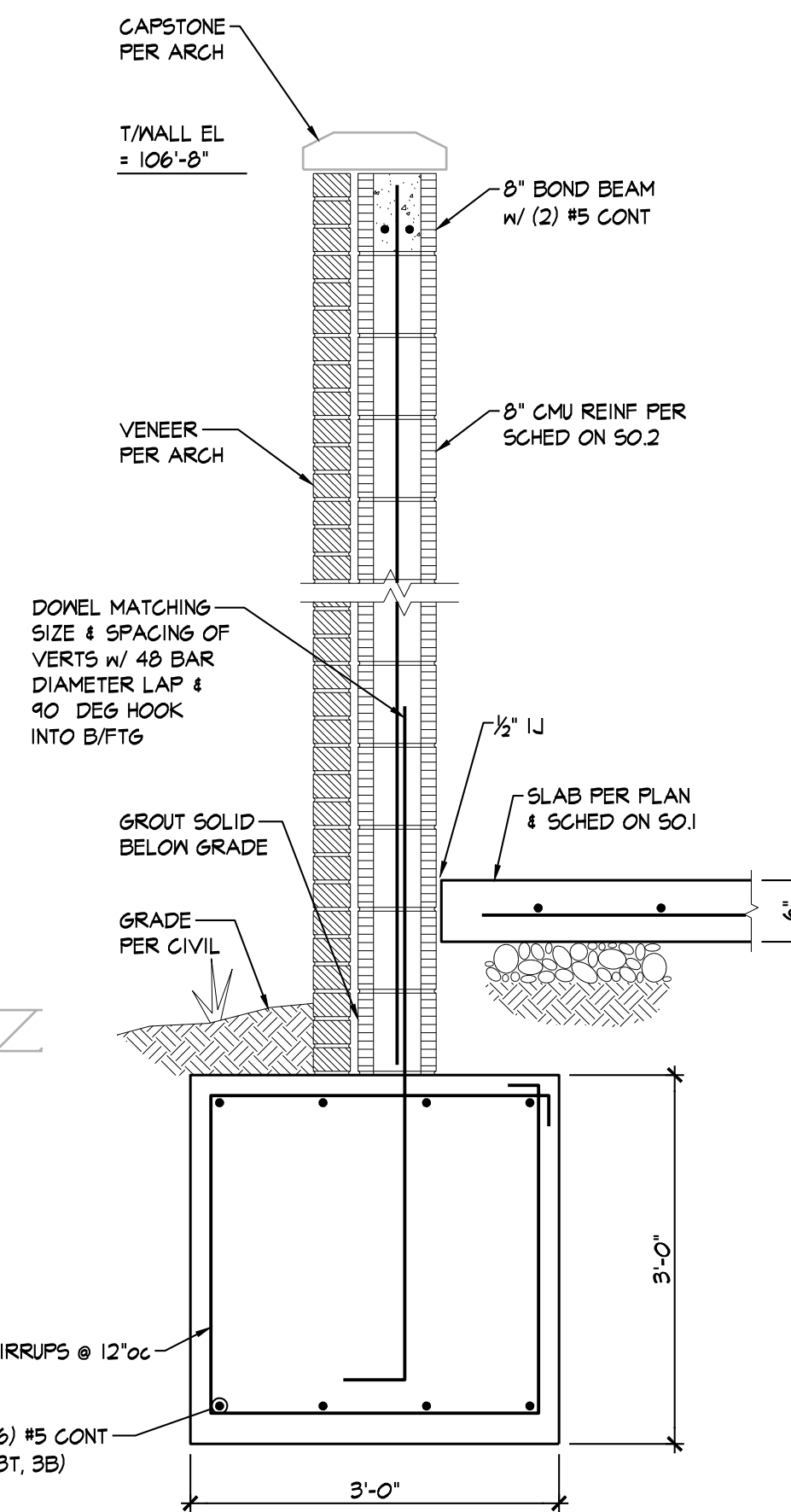
PILE CAP PLAN - 5'-0"x5'-0"x3'-0" (5) 3/4" = 1'-0" S4.3

- NOTE:
1) POUR PILE CAP MONOLITHIC W/ ADJACENT GRADE BEAM
2) PILE CAP IS CENTERED AT COLUMN ABOVE UNLESS NOTED OTHERWISE ON PLAN

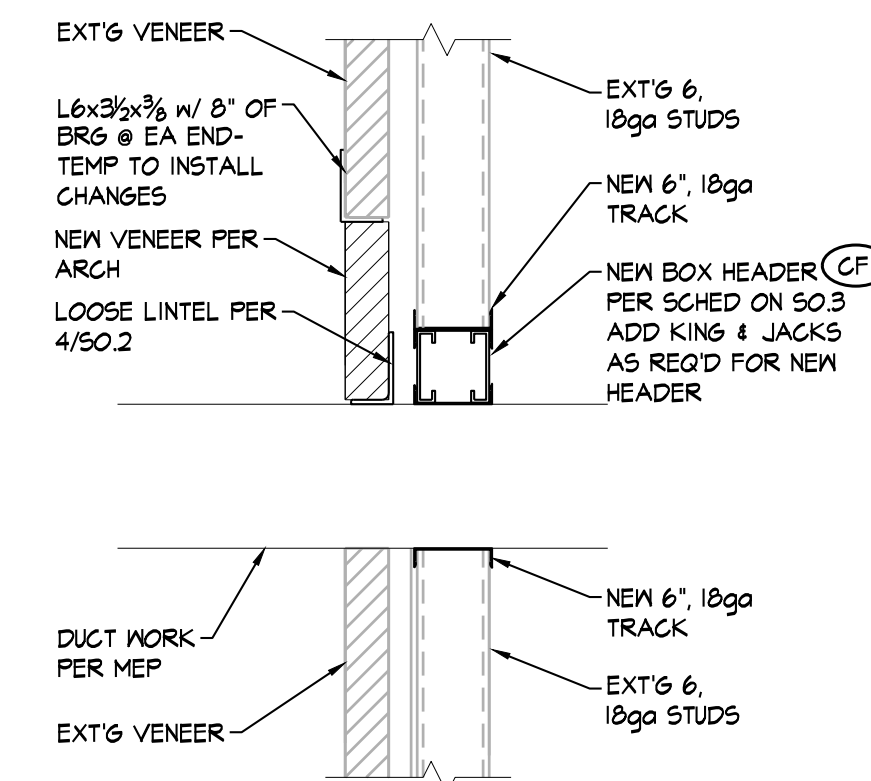


PILE CAP PLAN - 9'-0"x5'-0"x3'-0" (6) 3/4" = 1'-0" S4.3

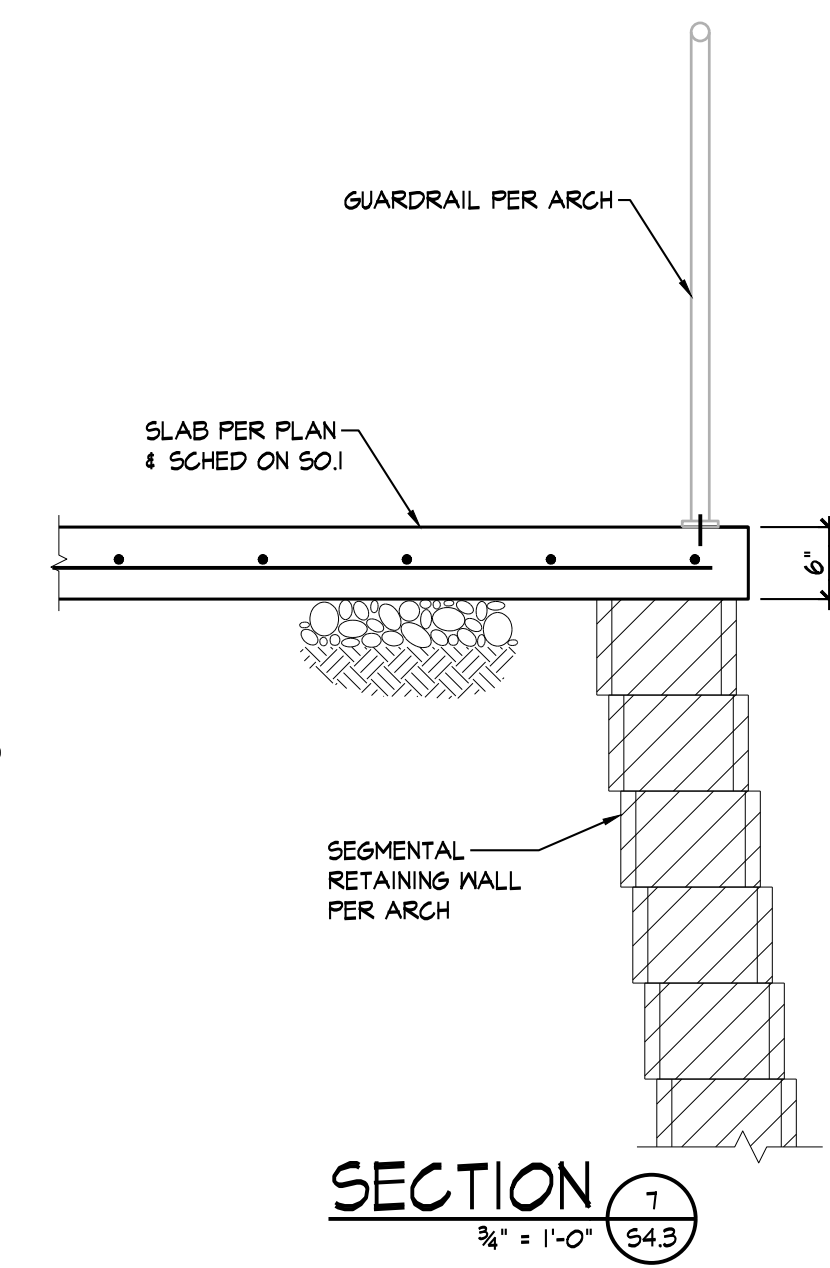
- NOTE:
1) POUR PILE CAP MONOLITHIC W/ ADJACENT GRADE BEAM
2) PILE CAP IS CENTERED AT COLUMN ABOVE UNLESS NOTED OTHERWISE ON PLAN



SECTION 3 3/4" = 1'-0" S4.3



SECTION 4 3/4" = 1'-0" S4.3



SECTION 7 3/4" = 1'-0" S4.3

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FIRST COVENANT CHURCH
ADDITION

KANSAS

SALINA,



REVISION:

DATE: 11-26-2025

JOB: 23-3346

SHEET NO.:

S4.3

Jones Gillam Renz
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Salina, KS 67401 Kansas City, MO 64108
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ADDITION

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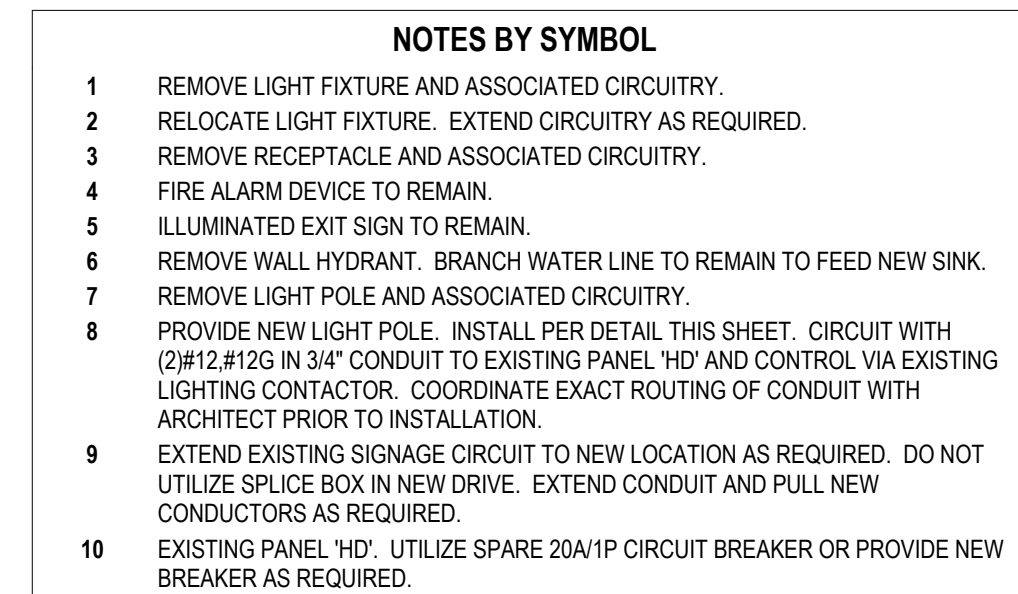
SALINA,



DATE:	11/04/2025
JOB:	23-3346
SHEET NO.:	

ME101

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 **B** **SOUTH SITE ELECTRICAL PLAN**
1" = 20'-0"



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ADDITION

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GENERAL PLUMBING NOTES

A. FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.

B. PIPE SLOPE OF SEWER/SANITARY SHALL BE NOT LESS THAN OVER 2' AT 1/8" PER FOOT, 7' AND SMALLER AT 1/4" PER FOOT.

C. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.

D. ROUTE DOMESTIC WATER, AND SANITARY SEWER SERVICES TO SITE UTILITIES 6'-0" FROM BUILDING UNLESS NOTED OTHERWISE, REFER TO CIVIL PLANS.

E. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM.

F. LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.

G. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF FEDERAL, STATE, AND LOCAL CODES INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL, OR UNIFORM, DEPENDING ON JURISDICTION PLUMBING CODE AND INTERNATIONAL MECHANICAL CODE.

H. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.

I. LOCATE PIPING AND EQUIPMENT OUTSIDE OF THE NEC REQUIRED CLEAR SPACE ABOVE AND AROUND ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL CONTRACTOR. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE U.L. LISTED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES.

K. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.

L. MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE. VISUAL INSPECTION OR HAND OPERATION, WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.

M. DISTANCE FROM PIPING SIZES SHOWN TO PROPERLY CONNECT TO EQUIPMENT.

N. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.

O. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RULES OF MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.

P. INSTALL EXPOSED PIPING AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILING.

Q. PRICE OF SIGHTING WORK, SUBMIT SHOP DRAWINGS FOR ALL PLUMBING EQUIPMENT AND MATERIALS. SUBSTITUTE EQUIPMENT AND MATERIALS INSTALLED WITHOUT PRIOR APPROVAL SHALL BE SUBJECT TO REPLACEMENT AT CONTRACTOR'S EXPENSE.

R. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.

S. PROVIDE ONE YEAR WARRANTY FOR ALL WORKSMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.

GENERAL PLUMBING DEMOLITION NOTES

A. 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. CONTRACTOR SHALL REMOVE PIPING OR DELIVER TO OWNER, AS DIRECTED BY OWNER.

B. WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB.

C. COORDINATE CUTTING, PATCHING OF EXISTING WALLS, CEILINGS, ROOF AND FLOORS AFFECTED BY MECHANICAL REMOVAL WITH G.C.

D. ALL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE REMOVED. EQUIPMENT SHALL BE DELIVERED TO OWNER OR DISPOSED OF AS DIRECTED BY OWNER.

E. REMOVE ALL PLUMBING INSTALLATION FROM PROJECT AREA, UNLESS REQUESTED FOR NEW WORK OR EXISTING INSTALLATION NOT AFFECTED BY REMODEL. COORDINATE WITH OWNER AND G.C.

F. SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK SHALL BE RESTORED UPON COMPLETION OF THIS WORK TO FULLY OPERATIONAL CONDITION.

G. NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED.

H. FIELD VERIFY EXACT LOCATION OF ALL EXISTING PLUMBING INSTALLATION INDICATED ON DRAWINGS.

I. ALL ITEMS TO BE RE-USED OR RELOCATED SHALL BE CLEANED, REPAIRED, AND RESTORED TO LIKE NEW CONDITION PRIOR TO RE-USE.

DATE:	11/04/2025
JOB:	23-3346
SHEET NO.:	

M-001

WATER HEATER SCHEDULE				
MARK	MANUFACTURER	MODEL	RATING	VOLTS/PHASE
WH	EEMAX	AM010240T	6.9 kW	208 V / 1

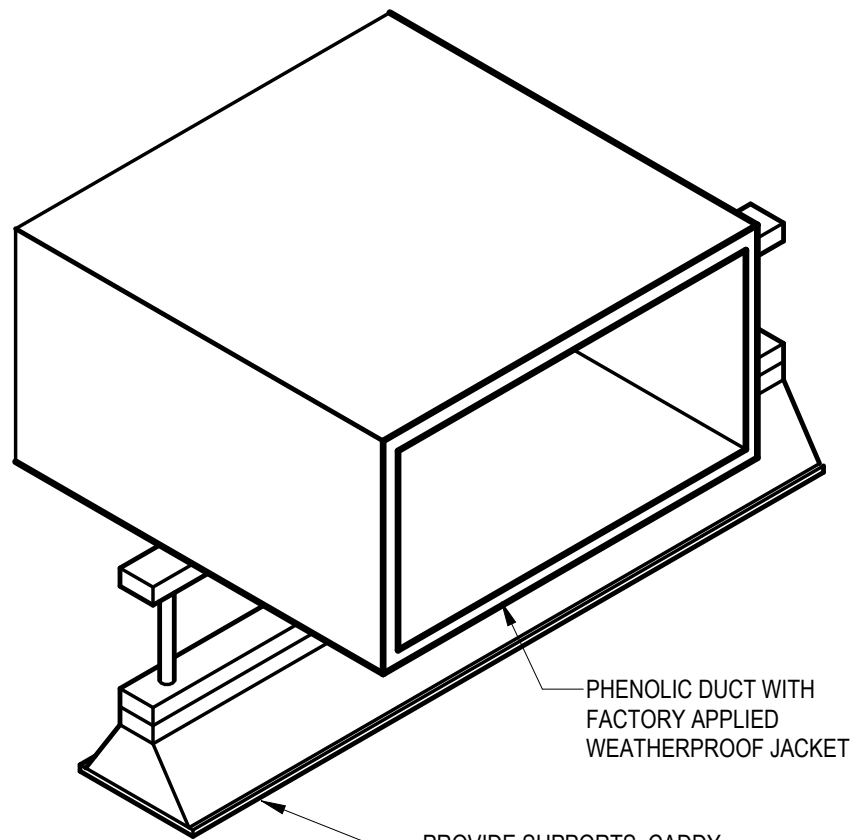
PLUMBING FIXTURE SCHEDULE											
GENERAL: • PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION. • VENT SIZES ARE APPLICABLE ONLY FOR INDIVIDUAL FIXTURE VENTS WHERE ALTERNATE VENTING METHOD HAS NOT BEEN INDICATED ON PLANS. • PROVIDE 1/4 TURN STOP VALVES ON ALL HOT AND COLD WATER SUPPLY LINE CONNECTIONS FOR FIXTURES.											
MARK	MANUFACTURER	MODEL	PRODUCT DESCRIPTION	TRIM	ROUGH-IN SIZES			COLD	HOT	ADA COMPLIANT	NOTES
					DRAIN	VENT	WATER				
BS	JUST	USX1824A-J	18 GAUGE STAINLESS STEEL UNDERMOUNT SINK, 23" X 16-3/4" X 10" BOWL, FULLY SOUND DEADENED.	DELTA MODEL 9159-DST SINGLE HANDLE BAR SINK FAUCET, 9-1/2" GOOSENECK SPOUT WITH PULL DOWN SPRAYER, 1.8 GPM AERATOR, BRUSHED STAINLESS STEEL FINISH. PROVIDE BASKET STRAINER.	2"	1 1/2"	1/2"	Yes	Yes	No	
WH	WOODFORD	B67	AUTOMATIC DRAINING FREEZELESS WALL HYDRANT WITH ASSE 1052 DOUBLE CHECK BACKFLOW PREVENTOR, LOOSE TEE KEY HANDLE, WITH RECESSED BOX WITH DOOR. PROVIDE WITH CHROME PLATED EXTERIOR FINISH.				3/4"	Yes	No	No	

PACKAGED ROOFTOP UNIT SCHEDULE																		
NOTES: 1. PROVIDE WITH HAIL GAURDS. 2. PROVIDE WITH DRY BULB ECONOMIZER WITH BAROMETRIC RELIEF. 3. PROVIDE WITH 2" MERV 8 PLEATED FILTERS. 4. PROVIDE WITH HINGED SERVICE ACCESS PANELS. 5. PROVIDE WITH HORIZONTAL DISCHARGE AND FULL PERIMETER MOUNTING CURB. 6. PROVIDE FACTORY INSTALLED AND WIRED DISCONNECT SWITCH. 7. PROVIDE WITH DEHUMIDIFICATION OPTION WITH HOT GAS REHEAT COIL AND RETURN DUCT MOUNTED HUMIDISTAT. 8. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT. 9. PROVIDE WATERLESS CONDENSATE TRAP DEVICE, DIVERSITECH WTRAP OR EQUIVALENT.																		
MARK	MANUFACTURER	MODEL	OA INTAKE	SUPPLY FAN			COOLING				FUEL TYPE	HEATING		WEIGHT	VOLTS/PH	MCA	MOCP	NOTES
				AIRFLOW	ESP	HP	SENSIBLE	TOTAL	EAT DB/WB	ODB		INPUT	OUTPUT					
A/C-1	TRANE	YHK102A3SOM	500 CFM	3,000 CFM	0.75 in-wg	3	73,950 Btu/h	97,060 Btu/h	78 °F/65 °F	105 °F	NG	150 Btu/h	121 Btu/h	1200 lb	480 V / 3	26.0 A	35.0 A	1,2,3,4,5,6,7,8

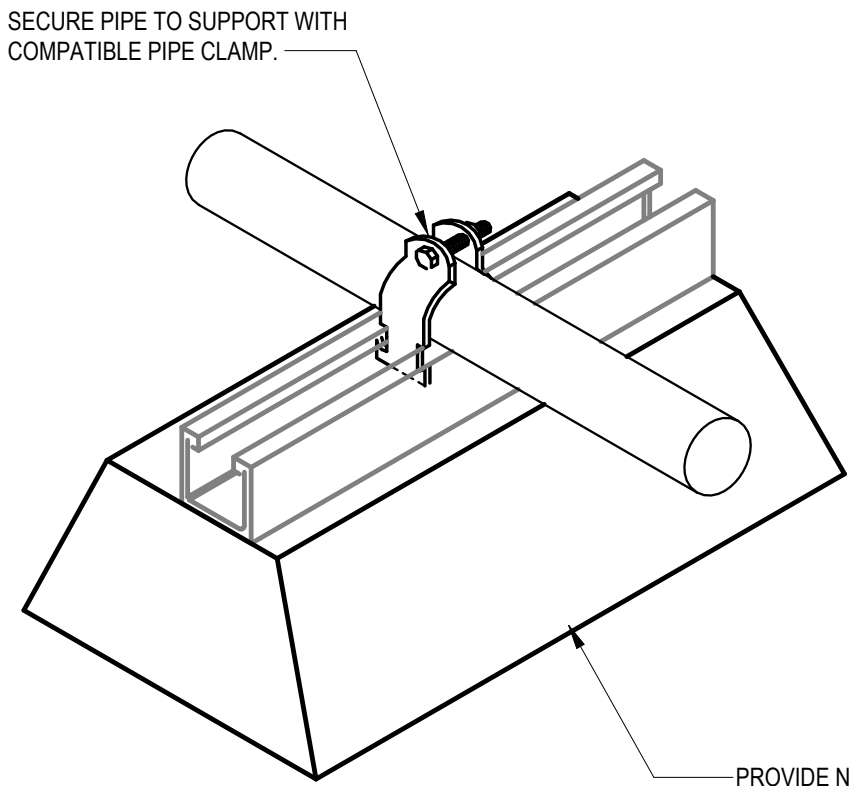
GRILLES, REGISTERS & DIFFUSERS SCHEDULE										
GENERAL: • MAXIMUM NOISE CRITERIA SHALL BE 25. • RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS NECK, U.N.O. • PAINT OBJECTS VISIBLE THROUGH GRILLES WITH FLAT BLACK PAINT. • PROVIDE MOUNTING FRAME AS REQUIRED FOR CEILING TYPE. COORDINATE WITH ARCHITECT. • CEILING DEVICES SHALL HAVE 4-WAY ADJUSTABLE BLOW PATTERN U.N.O. • COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL CEILING PLANS AND ELEVATIONS.										
MARK	MANUFACTURER	MODEL	APPLICATION	MATERIAL	FINISH	INSTALLATION	DAMPER	DESCRIPTION	NOTES	
SD-A	Titus	FL-15	Supply Air	Aluminum	White Enamel	Ceiling	Yes	Linear Diffuser		
SD-B	Titus	300R-SS	Supply Air	Stainless Steel	White Enamel	Wall Mount	Yes	Supply Grille		

PRIOR TO INSTALLATION OF ANY EXPOSED PLUMBING OR FIRE SPRINKLER PIPING, CONTRACTOR SHALL SUBMIT DRAWING TO ARCHITECT FOR APPROVAL SHOWING LOCATIONS OF ALL PIPING, HEADS, ETC. LAYOUT SHALL BE WITH THE INTENT OF MINIMIZING VISUAL IMPACT OF PIPE INSTALLATION.

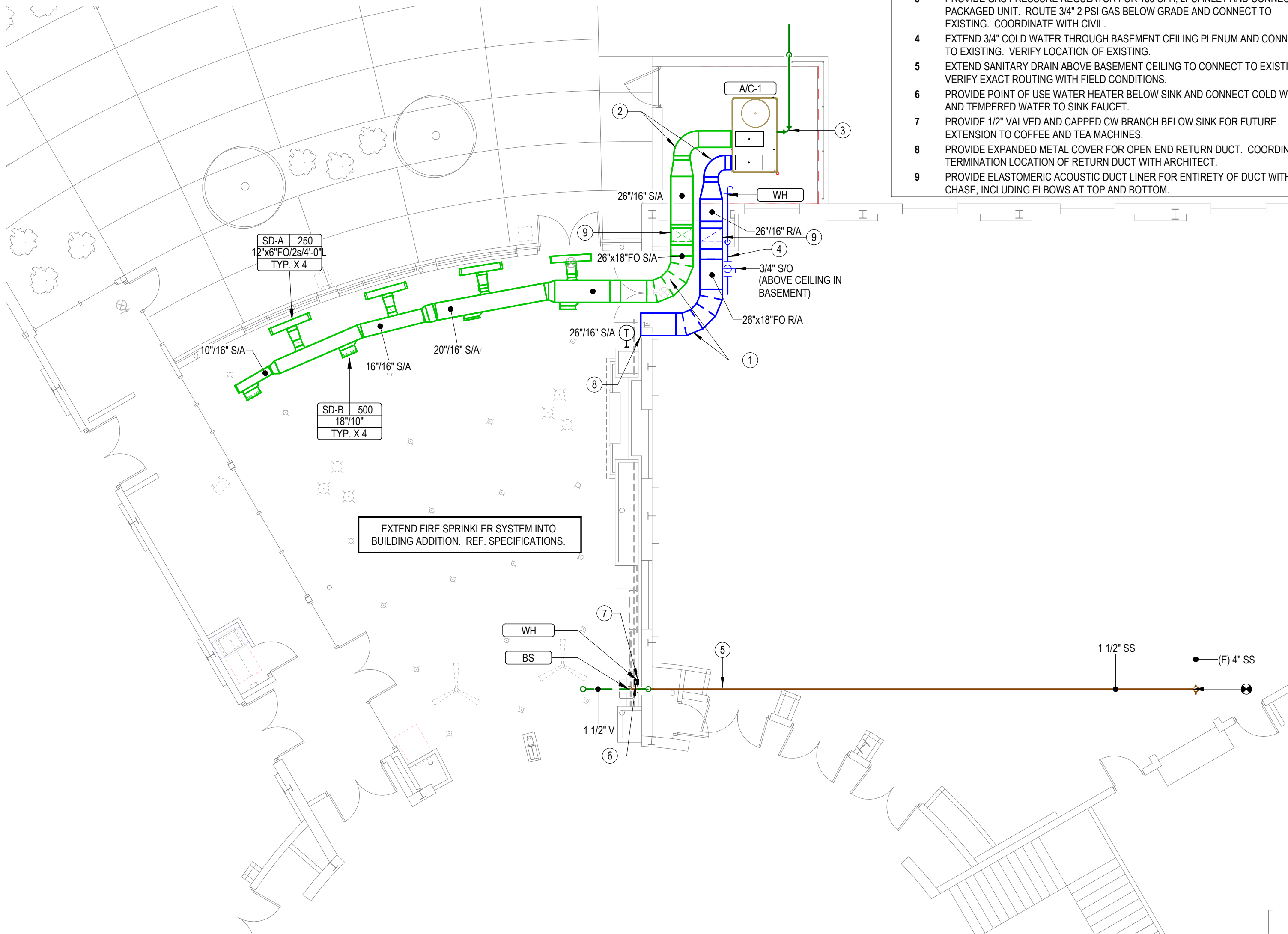
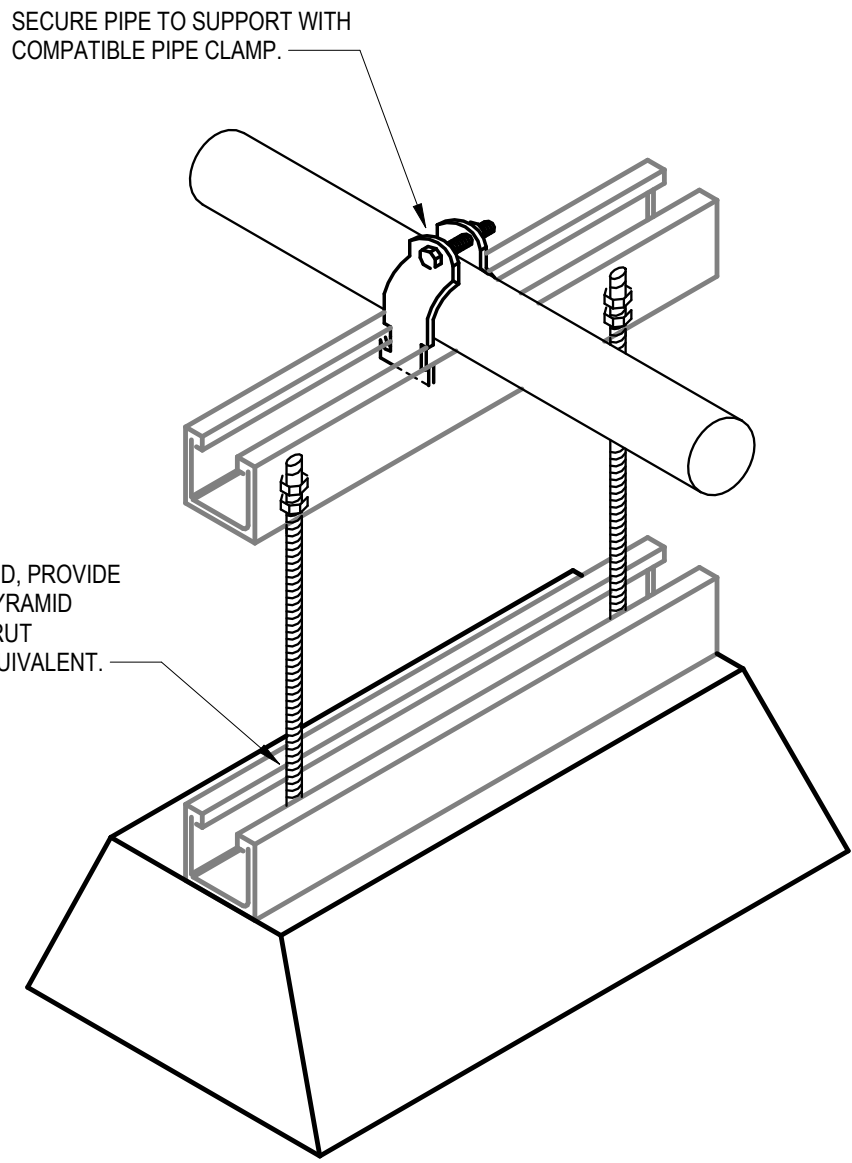
- NOTES BY SYMBOL**
- EXPOSED DUCTWORK SHALL BE DOUBLE WALL FLAT OVAL. COORDINATE EXACT ROUTING WITH ARCHITECT.
 - EXTERIOR DUCTWORK TO BE MANUFACTURED PHENOLIC DUCT WITH FACTORY INSTALLED WEATHERPROOF JACKET.
 - PROVIDE GAS PRESSURE REGULATOR FOR 150 CFH, 2PSI INLET AND CONNECT PACKAGED UNIT. ROUTE 3/4" 2 PSI GAS BELOW GRADE AND CONNECT TO EXISTING. COORDINATE WITH CIVIL.
 - EXTEND 3/4" COLD WATER THROUGH BASEMENT CEILING PLENUM AND CONNECT TO EXISTING. VERIFY LOCATION OF EXISTING.
 - EXTEND SANITARY DRAIN ABOVE BASEMENT CEILING TO CONNECT TO EXISTING. VERIFY EXACT ROUTING WITH FIELD CONDITIONS.
 - PROVIDE POINT OF USE WATER HEATER BELOW SINK AND CONNECT COLD WATER AND TEMPERED WATER TO SINK FAUCET.
 - PROVIDE 1/2" VALVED AND CAPPED CW BRANCH BELOW SINK FOR FUTURE EXTENSION TO COFFEE AND TEA MACHINES.
 - PROVIDE EXPANDED METAL COVER FOR OPEN END RETURN DUCT. COORDINATE TERMINATION LOCATION OF RETURN DUCT WITH ARCHITECT.
 - PROVIDE ELASTOMERIC ACOUSTIC DUCT LINER FOR ENTIRETY OF DUCT WITHIN CHASE, INCLUDING ELBOWS AT TOP AND BOTTOM.



C **EXTERIOR DUCT DETAIL**
12" = 1'-0"



B **EXTERIOR PIPE SUPPORT DETAIL**
NO SCALE



A

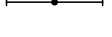
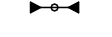
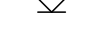
MECHANICAL PLAN
1/8" = 1'-0"

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[illegible]

SHEET NO.:

E-001

Electrical Symbol Legend											
Lighting Symbols  Lighting Fixtures, Typical, Rectangular (Various Symbols)  Lighting Fixtures, Typical, Round (Various Symbols) Center dot indicates pendant. Chevron indicates wall wash.  Wall-mounted fixtures, Typical (Various Symbols)  Strip Fixture  Directional Light, Track Light, Flood Light  Linear Light, Tape Light  Emergency Lighting Unit, Ceiling-Mounted, Integral Battery  Emergency Lighting Unit, Ceiling-Mounted, Remote Battery  Emergency Lighting Unit, Wall-Mounted, Integral Battery  Emergency Lighting Unit, Wall-Mounted, Remote Battery  Exit Light, Ceiling-Mounted. Shading and arrows indicate faces and directional chevrons.  Exit Light, Wall-Mounted. Shading and arrows indicate faces and directional chevrons.  Exit/ELU Combo  Pole/Area Lights  Post-Top Area Light  Bollard Light  Hatch indicates light on an emergency or life safety circuit. Single-Pole Switch Two-Pole Switch Three-Pole Switch Switch Modifiers: <table> <tr> <td>3: 3-Way</td><td>OS: Occupancy Sensor</td></tr> <tr> <td>4: 4-Way</td><td>VS: Vacancy Sensor</td></tr> <tr> <td>K: Keyed</td><td>CT: Above-Counter</td></tr> <tr> <td>D: Dimming</td><td>LV: Low-Voltage</td></tr> <tr> <td>T: Timer</td><td>M: Motor-Rated</td></tr> </table> Lighting Contactor Lighting Control Panel Occupancy Sensor Daylight Harvesting Sensor Lighting Tags  Top Value: Fixture Type ID (<u>Underlined</u>) Bottom Value, Lowercase Letter: Switch ID Bottom Value, Number(s): Circuit Number Bottom Value, Uppercase Letter(s): Panel Absence of a switch designation on a lighting fixture indicates fixture is controlled by the only switch in the space. An "X" in place of the switch designation indicates unswitched. Switch ID indicated by a lowercase letter. Switch IDs are unique per space. A switch with an ID "a" controls all devices within the space in which it is located tagged with "a". A switch without a tagged ID controls all lighting fixtures within a space. ID tags may be used on control devices other than switches, such as occupancy sensors or contactors. Miscellaneous Area Not in Contract Note by Symbol Callout: Top Value: Detail Number on Sheet Bottom Value: Sheet Number of Detail Room Room Name and Number	3: 3-Way	OS: Occupancy Sensor	4: 4-Way	VS: Vacancy Sensor	K: Keyed	CT: Above-Counter	D: Dimming	LV: Low-Voltage	T: Timer	M: Motor-Rated	Power Symbols  Wall  Ceiling  Floor  Simplex Receptacle  Duplex Receptacle  Quadplex Receptacle  Special Receptacle, Type as Indicated Receptacle Modifiers: #": Height AFF (to center) CT: Device Mounted Above Counter Top IG: Isolated Ground H: Device Mounted Horizontally WP: Weatherproof In-Use Cover  Half shading indicates split (typically switched)  Outside shading indicates tamperproof device  Center shading indicates GFI type  Full shading indicates tamperproof GFI type  Multioutlet Assembly Filled squares indicate 120V outlet Open squares indicate with USB  Cord Reel, Device Varies  Drop Cord, Device Varies  Junction Box  Floor Box, see schedule for type  Emergency Power Off  Door Opener Push Plate  Power Meter  Safety Switch, Fused  Safety Switch, Unfused  Motor Starter  Combination Starter/Disconnect  Contactor Power Device and Equipment Tags LP1A:1 Electrical Device/Tags: Uppercase letter(s) indicates Panel ID and circuit number. Lowercase letter indicates designation of controlling switch (where applicable). XX-1 Equipment Tags: Equipment ID is indicated by an underlined tag adjacent to the equipment. See the equipment connection schedule for description, electrical requirements, and panel and circuit number. Symbols/graphic appearance of equipment varies. Wiring  Solid, aced lines connecting equipment, devices, or fixtures indicate unswitched power circuiting. Wires are only intended to indicate to what circuit devices are connected. Actual connections, circuit routing, installation, junction boxes, etc. shall be field-determined by the contractor.  Dashed, aced lines connecting equipment, devices, or fixtures indicate switched power. Home run to branch circuit panelboard. The equipment name and circuit number(s) are indicated, separated by a hyphen. Home runs are only intended to indicate panel and circuit number. Actual homerun location shall be field-determined by the contractor. Power Distribution Equipment  SB1  MDP  HP1A  LP1A Hatched fill indicates distribution panel or switchboard. Solid fill indicates branch panel or load center. Dashed box indicates code-required clearance (width and depth). Dots indicates foot of recessed panel. Devices and fixtures are tagged with Panel and circuit number. For example, a device tagged with "A.1" indicates the device is circuitied to panel designated "A" circuit number 1. Telecom Symbols  Wall  Ceiling  Floor  Data Outlet  Telephone Outlet  Data/Telephone Outlet Outlet Modifiers: #": Height AFF (to center) CT: Mounted Above Counter Top  Wireless Access Point  TV Outlet
3: 3-Way	OS: Occupancy Sensor										
4: 4-Way	VS: Vacancy Sensor										
K: Keyed	CT: Above-Counter										
D: Dimming	LV: Low-Voltage										
T: Timer	M: Motor-Rated										

GENERAL FIRE ALARM NOTES

- A. FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT WHERE EXPOSED, INACCESSIBLE, AND WHERE SUBJECT TO PHYSICAL DAMAGE.
- B. DUCT TYPE SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY FIRE ALARM CONTRACTOR. INSTALLED IN SHUT DOWN MECHANICAL CONTRACTOR.
- C. FIRE ALARM SYSTEM HVAC SHUT DOWN RELAYS SHALL BE LOCATED AND WIRED BY FIRE ALARM CONTRACTOR. PANEL BY FIRE ALARM CONTRACTOR. PROVIDE RELAYS WITHIN 5' OF HVAC EQUIPMENT AND PROVIDE CONDUIT WITH PULL STRING FROM RELAY TO EQUIPMENT. UNIT SHUT DOWN CONDUIT WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.
- D. AT LOCATION OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS, PROVIDE DUCT OR AREA SMOKE DETECTOR (AS SHOWN ON PLANS) WITHIN 5' OF DAMPER AND WIRE TO FIRE ALARM CONTROL (PANEL). PROVIDE FIRE ALARM RELAY FOR EACH OF DAMPERS TO DAMPER ACTUATOR. DAMPER SHALL CLOSE UPON DETECTION OF SMOKE.
- E. IN ADDITION TO VALVES INSTALLED ON FIRE SPRINKLER 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 (DITK #1000000) FOR EACH POST INDICATOR VALVE. COORDINATE WITH THE SITE WORK CONTRACTOR FOR ALL VALVES INSTALLED. MONITORING IS NOT REQUIRED FOR VALVES INSTALLED IN ROADWAY BOXES BY THE MUNICIPALITY/PUBLIC UTILITY.

GENERAL ELECTRICAL REMODEL NOTES

1. DESIGN IS BASED ON FIELD INFORMATION, AS-BUILT DRAWINGS AND OWNER PROVIDED INFORMATION. CONTRACTOR SHALL VERIFY ACCURACY OF EXISTING CONDITIONS. IN CASE OF DISCREPANCY, PROVIDE ALL NECESSARY CONDUIT, WIRE, BOXES, FITTINGS, ETC. FOR A COMPLETE OPERATING ELECTRICAL SYSTEM.
2. EXISTING EQUIPMENT, WIRING DEVICES, LIGHTS, CONDUIT, WIRING, ETC., NOT DISTURBED BY NEW CONSTRUCTION WORK SHALL BE MAINTAINED AND UNLabeled. THESE DEVICES AND WIRING SHALL BE SHOWN FOR INFORMATION PURPOSES ONLY UNLESS NOTED OTHERWISE. THIS CONTRACTOR SHALL VISIT THE JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND TO BECOME FAMILIAR WITH ALL WORK TO BE PERFORMED. FAILURE TO DO SO WILL NOT RELIEVE THIS CONTRACTOR OF THE RESPONSIBILITY FOR PERFORMING ALL WORK NECESSARY TO PROVIDE A WORKMANLIKE INSTALLATION.
3. FIELD VERIFY THE LOCATION AND CONDITION OF ALL EXISTING UTILITIES AND PROVIDE PROTECTION FOR THESE UTILITIES DURING THE COURSE OF WORK. EXISTING UTILITIES, BUILDING MATERIALS AND ASSOCIATED ITEMS DAMAGED BY THIS CONTRACTOR, OR ANY PARTIES ASSOCIATED WITH THIS CONTRACTOR, SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE, IN A TIMELY MANNER, TO THE SATISFACTION OF THE ARCHITECT.
4. THERE SHALL NOT BE ANY INTERRUPTION TO EXISTING SERVICES (ELECTRICAL, FIRE ALARM, TELEPHONE, ETC.) WITHOUT PRIOR SCHEDULING OF SUCH OUTAGES WITH THE OWNER, ARCHITECT, AND ALL OTHER PARTIES INVOLVED.
5. MAINTAIN ACCURATE RECORDS OF ALL MODIFICATIONS TO THE EXISTING SYSTEMS WHICH ARE FIELD NOTED AND ARE SHOWN FOR INFORMATION PURPOSES, INDICATING SUCH MODIFICATIONS TO THE OWNER UPON COMPLETION OF THE PROJECT. MAINTAIN IN THE PROJECT CONSTRUCTION OFFICE, AS THE WORK PROGRESSES, AN UP-TO-DATE, NEATLY MARKED COPY OF THESE DRAWINGS FOR REVIEW BY THE ARCHITECT, ENGINEER, OR OWNER'S REPRESENTATIVE.
6. REMOVE ADDITION WORK OR REMODELING INTERFERES WITH CIRCUITS IN ROOMS OR OTHERWISE, REPAIR EXISTING CIRCUITS SHALL BE REWORED AS REQUIRED TO MAINTAIN SERVICE.
7. EXISTING ROUGH-IN BOXES AND CONDUIT MAY BE UTILIZED FOR NEW DEVICES IF THEY ARE OF PROPER SIZE AND MATERIAL, AND ARE IN SUITABLE LOCATIONS. HOWEVER, NEW DEVICES AND WIRING MUST BE INSTALLED.
8. EXISTING ROUGH-IN BOXES AND CONDUIT MAY BE REUSED FOR NEW EQUIPMENT OR RELOCATED EQUIPMENT. ELECTRICAL CONTRACTOR MAY REUSE THE EXISTING CONDUIT AND ROUGH-IN LOCATIONS IF POSSIBLE, BUT ALL CONDUITS SHALL BE NEW.
9. CIRCUITING SHOWN IN REMODELED AREAS MAY BE MODIFIED TO SUIT FIELD CONDITIONS. HOWEVER, KEEP CIRCUITS APPROPRIATELY AS SHOWN ON PLANS TO AVOID CROWLING OF EXISTING AND TO LIMIT WALL DAMAGE.
10. MAINTAIN FIRE RATING OF ALL CURRENTS, FLOORS AND CEILING SYSTEMS.
11. NEW DEVICES INSTALLED ON EXISTING WALLS AND CEILINGS IN OCCUPIED SPACES SHALL HAVE WIRING INSTALLED CONCEALED. SURFACE RACEWAY (WIREMOLD) SHALL ONLY BE INSTALLED ON EXISTING WALLS AND HARD CEILINGS WHERE WIRING CANNOT BE INSTALLED CONCEALED (E.G. CONCRETE BRICK CHASE, ETC.) OBTAIN APPROVAL FROM ARCHITECT, ENGINEER, AND OWNER PRIOR TO EACH OCCURRENCE WHERE SURFACE RACEWAY IS INSTALLED. SURFACE RACEWAY SHALL BE STEEL, SINGLE CHANNEL TYPE, VORY COLORED, COMPLETE WITH ALL ELBOWS, BOXES, SUPPORTS, COVERS, ETC. AS REQUIRED. SURFACE RACEWAY SYSTEMS SHALL BE: BULB, FIBERGLASS, WOOD, WIREMOLD, HUBBELL, OR MONOSYSTEMS, AND SHALL BE OF THE TYPES AND SIZES AS FOLLOWS:

POWER AND FIRE ALARM: WIREMOLD 500 SERIES
COMMUNICATIONS AND A/V: WIREMOLD 2400 SERIES

LIGHT FIXTURE SCHEDULE

GENERAL: *ALL LEDs SHALL BE 3500K CORRELATED COLOR TEMPERATURE U.N.O., MINIMUM 80 CRI *ALL LED FIXTURES SHALL ADHERE TO LM79 AND LM80 STANDARDS									
NOTES: 1. PROVIDE FIXTURE WITH INTEGRAL EMERGENCY BATTERY AND CHARGER WITH SELF-DIAGNOSTIC/SELF-TESTING ELECTRONICS. 2. FIXTURE SHALL BE CAPABLE OF WALL OR CEILING MOUNT APPLICATIONS AND SHALL HAVE BREAK-OUT DIRECTIONAL CHEVRONS. 3. PROVIDE FACTORY INSTALLED LED BATTERY BACK-UP FOR FIXTURES SHOWN SHADED OR WITH 'EM' DESIGNATION TO OPERATE FIXTURE FOR 90 MINUTES UPON LOSS OF NORMAL POWER. 4. FIXTURE SHALL BE CAPABLE OF OPERATION IN TEMPERATURES RANGING FROM -20F THROUGH 104F. 5. U.L. LISTED FOR 'WET LOCATION'. 6. PROVIDE ALL POWER SUPPLIES, SPLICES, END TERMINATION KITS, ETC. FOR COMPLETE OPERATION. INSTALL ON TOP OF SOFFIT, COORDINATE WITH ARCHITECT.									
MARK	MANUFACTURER	MODEL NUMBER	WATTAGE	LUMEN OUTPUT	DRIVER	MOUNTING	FINISH	DESCRIPTION	NOTES
A	GUARDCO	PWS-P404-640-UNV-PCB-EMC-BZ	47 W	4700 lm	0-10V DIMMING TO 10%	SURFACE WALL HORIZONTAL	DARK BRONZE	EXTERIOR AREA LIGHT TYPE 3 DISTRIBUTION	3,4,5
B	LIGHTOLIER	SSR840K7Z10U	10 W	650 lm	0-10V DIMMING TO 10%	CEILING SURFACE	WHITE	6" DIA ROUND SURFACE MOUNT DOWNLIGHT	--
C	INTERLUX	WG-140RPTDL-SCX-5-SH-92-35-S010-RRRC-OA-50-B-W	26 W	3600 lm	0-10V DIMMING TO 10%	SUSPENDED	BLACK	5-1/2" SUSPENDED CYLINDER	3
D	JESCO	DL-AC-FLEX2-UT-FR	<varies>	360 lm	REMOTE LED DRIVER, 0-10V 1% DIMMABLE	--	WHITE	120V TAPE LIGHT, LUMEN OUTPUT PER FOOT AS INDICATED	6
F	DAY-BRITE CFI	FSS440L840-UNV-DIM	30 W	4077 lm	0-10V DIMMING TO 10%	SURFACE	WHITE	4" STANDARD STRIP WITH CURVED FROSTED ACRYLIC LENS	--
FAN	MACROAIR	LS362-7050-MAW	150 W	1000 lm	--	CEILING SUSPENDED	WHITE	CEILING FAN	--
P	BY OWNER	N/A	26 W	3600 lm	0-10V DIMMING TO 10%	SUSPENDED	BY OWNER	DECORATIVE PENDANT FIXTURE SELECTED BY OWNER	--
S	GUARDCO	OPF-L-A16-740-12M-AR1-UNV	195 W	24998 lm	LED DRIVER	30" STRAIGHT ROUND POLE	DARK BRONZE	POLE MOUNTED AREA LIGHT, TYPE 2 MEDIUM DISTRIBUTION, 4000K	--
X	LIFE SAFETY LIGHTING	LSXS2RWEMSDT	5 W	0 lm	--	CEILING	WHITE	UNIVERSAL SINGLE/DOUBLE FACE POLYCARBONATE EXIT SIGN	1,2

Designation: LW

Installed Location: WEST ADDITION
Voltage: 208Y/120 3PH 4W
Mounting: RECESSED
Enclosure: NEMA 1

Bus Amps: 100
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC: 10.0 kA
Mains FN>Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A (kVA)	B (kVA)	C (kVA)	FN	Trip (A)	Circuitry	Description	Ckt
LW-1	SOFFIT DOWNLIGHTS	1/2"C, 1#12, #12N, #12G	20	0.64	1.50				20	1/2"C, 1#12, #12N, #12G	COFFEE MAKER	LW-2
LW-3	CEILING FANS	1/2"C, 1#12, #12N, #12G	20			0.33	1.00		20	1/2"C, 1#12, #12N, #12G	TEA MAKER	LW-4
LW-5	SOFFIT LIGHTING	1/2"C, 1#12, #12N, #12G	20					0.26	1.00	1/2"C, 1#12, #12N, #12G	MICROWAVE	LW-6
LW-7	DECORATIVE PENDANT LIGHTS	1/2"C, 1#12, #12N, #12G	20	0.17	0.68				20	1/2"C, 1#12, #12N, #12G	REFRIGERATOR/CT RECEPTACLE	LW-8
LW-9	FLOOR RECEPTACLES	1/2"C, 1#12, #12N, #12G	20			0.36	0.50		20	1/2"C, 1#12, #12N, #12G	ICE MAKER	LW-10
LW-11	FLOOR RECEPTACLES	1/2"C, 1#12, #12N, #12G	20			0.36	1.50		20	1/2"C, 1#12, #12N, #12G	FIREPLACE	LW-12
LW-13	PATIO RECEPTACLE	1/2"C, 1#12, #12N, #12G	20	0.36	1.50				20	1/2"C, 1#12, #12N, #12G	CAPPUCCINO MACHINE	LW-14
LW-15	PATIO RECEPTACLE	1/2"C, 1#12, #12N, #12G	20			0.36	3.45					LW-16
LW-17	PATIO RECEPTACLE	1/2"C, 1#12, #12N, #12G	20				0.36	3.45		1/2"C, 2#8, #10G	POINT OF USE WATER HEATER	LW-18
LW-19	PATIO RECEPTACLE	1/2"C, 1#12, #12N, #12G	20			0.36	0.00		20	--	Spare	LW-20
LW-21	PATIO RECEPTACLE	1/2"C, 1#12, #12N, #12G	20			0.36	0.00		20	--	Spare	LW-22
LW-23	PATIO RECEPTACLE	1/2"C, 1#12, #12N, #12G	20			0.36	0.00		20	--	Spare	LW-24
LW-25	PATIO RECEPTACLE	1/2"C, 1#12, #12N, #12G	20	0.72	0.00				20	--	Spare	LW-26
LW-27	RECEPTACLES - WEST WALL	1/2"C, 1#12, #12N, #12G	20			1.08	0.00		20	--	Spare	LW-28
LW-29	RECEPTACLES - SOUTH WALL	1/2"C, 1#12, #12N, #12G	20			0.72	0.00		20	--	Spare	LW-30
LW-31	RECEPTACLES - TV AND NORTH WALL	1/2"C, 1#12, #12N, #12G	20	0.54	--				--	--	Space	LW-32
LW-33	PATIO LIGHTING	1/2"C, 1#12, #12N, #12G	20			0.10	--		--	--	Space	LW-34
LW-35	Space	--	--	--	--	--	--	--	--	--	Space	LW-36
LW-37	Space	--	--	--	--	--	--	--	--	--	Space	LW-38
LW-39	Space	--	--	--	--	--	--	--	--	--	Space	LW-40
LW-41	Space	--	--	--	--	--	--	--	--	--	Space	LW-42
Connected Load:					6472 VA	7548 VA	8010 VA					
Connected Amps:					53.9 A	64.3 A	68.1 A					

DRY-TYPE TRANSFORMER SCHEDULE

NOTES: 1. BOND GROUNDING ELECTRODE CONDUCTOR TO NEAREST AVAILABLE GROUNDING ELECTRODE PER NEC 250.30(A)(7).
2. INSTALL TRANSFORMER ON 3-1/2" HIGH CONCRETE HOUSEKEEPING PAD.

TAG	KVA SIZE	PRIMARY VOLTAGE	SECONDARY VOLTAGE	PHASE	GROUNDING ELECTRODE CONDUCTOR SIZE	EQUIPMENT SERVED	REMARKS
TW	30	480 V	208Y/120 3PH 4W	3	#6	PANEL LW	1,2

PRIOR TO INSTALLATION OF ANY EXPOSED CONDUIT, CONTRACTOR SHALL SUBMIT DRAWING TO ARCHITECT FOR APPROVAL SHOWING LOCATIONS OF ALL BOXES AND ROUTING OF CONDUIT. LAYOUT SHALL BE WITH THE INTENT OF MINIMIZING VISUAL IMPACT OF ELECTRICAL INSTALLATION.

NOTES BY SYMBOL

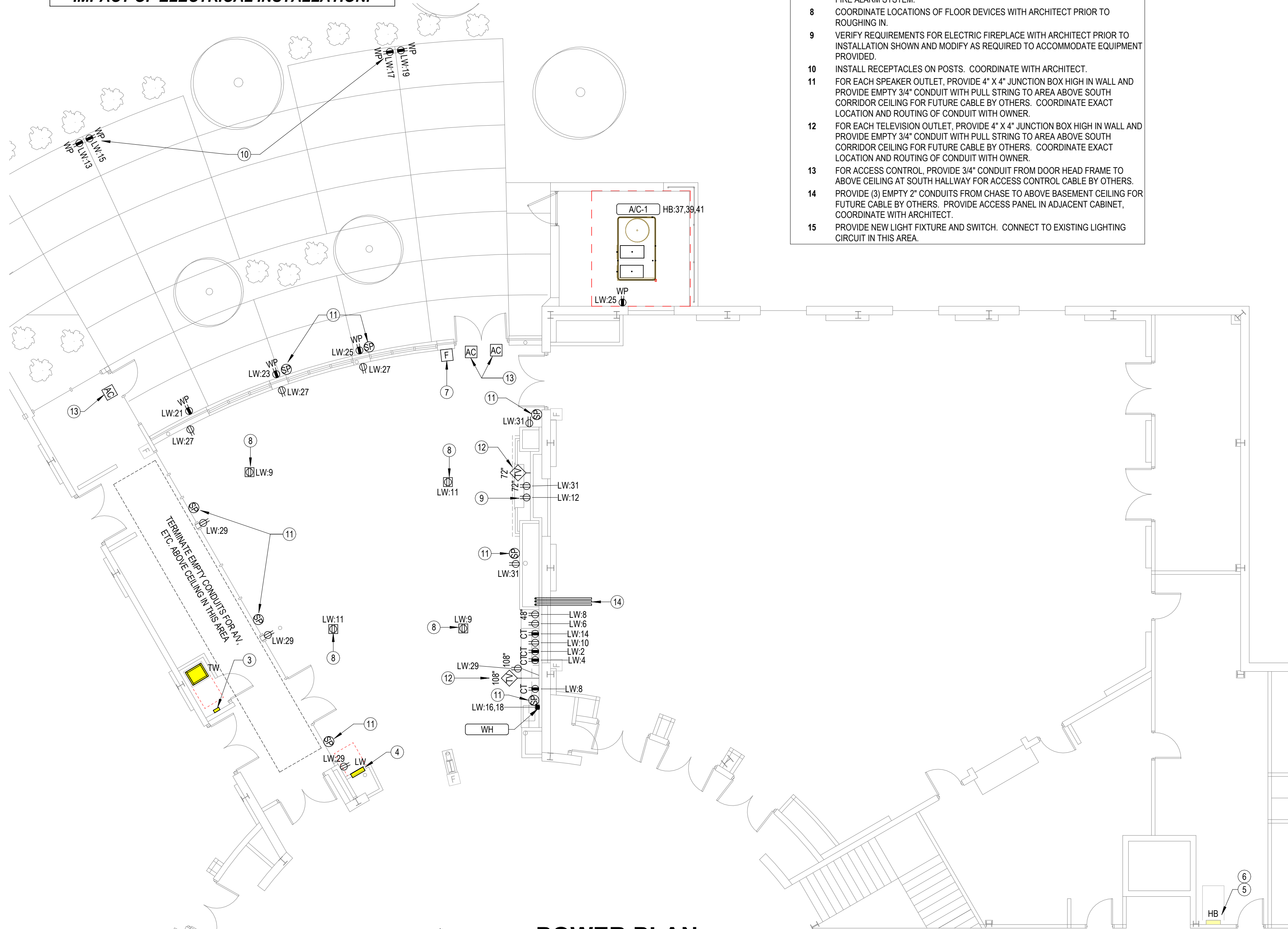
- RELOCATE EXISTING ILLUMINATED EXIT SIGN TO THIS LOCATION. EXTEND CIRCUITRY AS REQUIRED.
- RELOCATE EXISTING FLOOD LIGHT TO NEW ROOF. EXTEND CIRCUITRY AS REQUIRED. COORDINATE EXACT LOCATION AND MOUNTING WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE 100A/3P/208V ENCLOSED CIRCUIT BREAKER AND CONNECT SECONDARY OF TRANSFORMER 'TW' WITH (4)#1, #6 GROUND IN 1-1/2" CONDUIT.
- FEED NEW PANEL 'LW' FROM ENCLOSED CIRCUIT BREAKER WITH (4)#1, #6 GROUND IN 1-1/2" CONDUIT.
- PROVIDE NEW 45A/3P CIRCUIT BREAKER IN EXISTING PANEL 'HB' AND FEED TRANSFORMER 'TW' WITH (3)#6, #10 GROUND IN 1" CONDUIT. ROUTE NEW FEEDER THROUGH EXISTING BASEMENT ABOVE CEILING, AND ABOVE GRADE THROUGH NEW ADDITION. PROVIDE PULL BOXES AS REQUIRED. SUBMIT PROPOSED ROUTING TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
- PROVIDE NEW 35A/3P CIRCUIT BREAKER IN EXISTING PANEL 'HB' AND FEED NEW PACKAGED A/C UNIT. CIRCUIT WITH (3) #8, #10 GROUND IN 3/4" CONDUIT. ROUTE CIRCUITRY THROUGH EXISTING BASEMENT, ABOVE CEILING.
- PROVIDE FIRE ALARM MANUAL STATION UL LISTED FOR USE WITH EXISTING SYSTEM. PROVIDE ALL REQUIRED CIRCUITRY FOR INTEGRATION INTO EXISTING FIRE ALARM SYSTEM.
- COORDINATE LOCATIONS OF FLOOR DEVICES WITH ARCHITECT PRIOR TO ROUGHING IN.
- VERIFY REQUIREMENTS FOR ELECTRIC FIREPLACE WITH ARCHITECT PRIOR TO INSTALLATION SHOWN AND MODIFY AS REQUIRED TO ACCOMMODATE EQUIPMENT PROVIDED.
- INSTALL RECEPTACLES ON POSTS. COORDINATE WITH ARCHITECT.
- FOR EACH SPEAKER OUTLET, PROVIDE 4" X 4" JUNCTION BOX HIGH IN WALL AND PROVIDE EMPTY 3/4" CONDUIT WITH PULL STRING TO AREA ABOVE SOUTH CORRIDOR CEILING FOR FUTURE CABLE BY OTHERS. COORDINATE EXACT LOCATION AND ROUTING OF CONDUIT WITH OWNER.
- FOR EACH TELEVISION OUTLET, PROVIDE 4" X 4" JUNCTION BOX HIGH IN WALL AND PROVIDE EMPTY 3/4" CONDUIT WITH PULL STRING TO AREA ABOVE SOUTH CORRIDOR CEILING FOR FUTURE CABLE BY OTHERS. COORDINATE EXACT LOCATION AND ROUTING OF CONDUIT WITH OWNER.
- FOR ACCESS CONTROL, PROVIDE 3/4" CONDUIT FROM DOOR HEAD FRAME TO ABOVE CEILING AT SOUTH HALLWAY FOR ACCESS CONTROL CABLE BY OTHERS.
- PROVIDE (3) EMPTY 2" CONDUITS FROM CHASE TO ABOVE BASEMENT CEILING FOR FUTURE CABLE BY OTHERS. PROVIDE ACCESS PANEL IN ADJACENT CABINET, COORDINATE WITH ARCHITECT.
- PROVIDE NEW LIGHT FIXTURE AND SWITCH. CONNECT TO EXISTING LIGHTING CIRCUIT IN THIS AREA.



B

LIGHTING PLAN

1/8" = 1'-0"



A

POWER PLAN

1/8" = 1'-0"