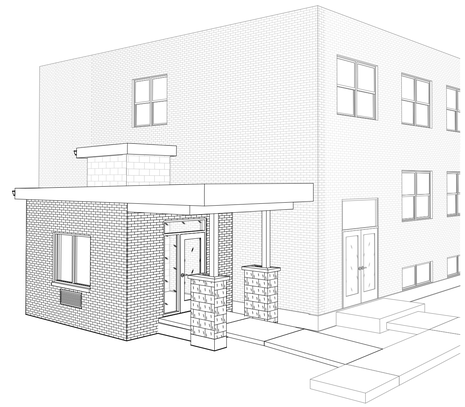
Moravian Church - Lift Vestibule

510 Cole St.
Watertown, WI 53094

CONSTRUCTION DOCUMENTS



ABBREVIATIONS

AC	AIR CONDITIONING	FGL	FIBERGLASS	PREFAB	PREFABRICATED
ACS	ACCESS PANEL	FHC	FIRE HOSE CABINET	PRELIM	PRELIMINARY
ACT	ACOUSTICAL CEILING TILE	FN	FINISH	PRKG	PARKING
ADDM	ADDENDUM	FIXT	FIXTURE	PSF	POUNDS PER SQUARE FOOT
ADJ	ADJUSTABLE	FL	FLOOR LINE	PT	PAINT
ADO	AUTOMATIC DOOR OPERATOR	FLR	FLOOR	PTD	PAPER TOWEL DISPENSER
AFF	ABOVE FINISH FLOOR	FLUOR	FLUORESCENT	PTDR	PAPER TOWEL DISPENSER WITH
ATL	ALTERNATE	FO	FACE OF (ITEM)		RECEPTACLE
ALUM	ALUMINUM	FOF	FACE OF FINISH	PTM	PAINT TO MATCH
ANOD	ANODIZED	FOM	FACE OF MASONRY		
APPROX	APPROXIMATE	FP	FIRE PROOF, FIRE PROTECTION	QT	QUARRY TILE
ARCH	ARCHITECT	FR	FRAME		
AUX	AUXILIARY	FT	FOOT OR FEET	R	RADIUS
AVG	AVERAGE	FTG	FOOTING	R	RISER
		FURG	FURRING	RA	RETURN AIR
BD	BOARD	FV	FIELD VERIFY	RD	ROOF DRAIN
BITUM	BITUMINOUS			REF	REFRIGERATOR
BLDG	BUILDING	GA	GAGE	REFL	REFLECTED
BLKG	BLOCKING	GAL	GALVANIZED	REINF	REINFORCED
BLKHD	BULKHEAD	GB	GRAB BAR	REQD	REQUIRED
BM	BEAM	GC	GENERAL CONTRACTOR	REV	REVISION
BO_	BOTTOM OF (ITEM)	GL	GLASS	RFI	REQUEST FOR INFORMATION
BO	BY OTHERS	GYP BD	GYPSUM BOARD	RM	ROOM
BS	BOTH SIDES			RO	ROUGH OPENING
BT JNT	BUTT JOINT	HB	HOSE BIB	ROW	RIGHT OF WAY
BTWN	BETWEEN	HDW	HARDWARE	RTU	ROOF TOP UNIT
		HDWD	HARDWOOD		
CAS	CARD ACCESS SYSTEM	HM	HOLLOW METAL	SAB	SOUND ATTENUATION BATTS
CB	CATCH BASIN	HORZ	HORIZONTAL	SAG	SUPPLY AIR GRILL
CF/CI	CONTRACTOR	HP	HORSE POWER	SC	SOLID CORE
	FURNISHED/CONTRACTOR	HR	HOUR	SCHED	SCHEDULE
	INSTALLED	HTR	HEATER	SD	SOAP DISPENSER
CG	CORNER GUARD	HVAC	HEATING, VENTILATION & AIR	SECT	SECTION
CH	COAT HOOK		CONDITIONING	SHR	SHOWER
CJ	CONTROL JOINT			SHT	SHEET
CL	CENTER LINE	ID	INSIDE DIAMETER	SHT MTL	SHEET METAL
CLG	CEILING	IN	INCH	SHV	SHELF, SHELVING
CLO	CLOSET	INCL	INCLUDE, INCLUDING	SIM	SIMILAR
CLR	CLEAR	INT	INTERIOR	S&P	SHELF & POLE
CMU	CONCRETE MASONRY UNIT			SPEC	SPECIFICATION
CO	CASED OPENING	JAN	JANITOR	SPKR	SPEAKER
COL	COLUMN	JNT	JOINT	SQ	SQUARE
CONC	CONCRETE			SS	SOLID SURFACE
CONT	CONTINUE, CONTINUOUS	KO	KNOCK OUT	SSK	SERVICE SINK
CORR	CORRIDOR	KS	KNEE SPACE	STC	SOUND TRANSMISSION
CPT	CARPET				COEFFICIENT
CRS	COURSE, COURSES	L	LENGTH, LONG	STD	STANDARD
CT	CERAMIC TILE	LAV	LAVATORY	STL	STEEL
CTR	CENTER	LBS	POUND(S)	STOR	STORAGE
CUH	CABINET UNIT HEATER	LKR	LOCKER	STRUCT	STRUCTURAL
		LT WT	LIGHT WEIGHT	SUSP	SUSPENDED
DBL	DOUBLE				
DEFS	ERECT APPLIED EXTERIOR	MAS	MASONRY	T	TREAD
	FINISH SYSTEM	MATL	MATERIAL	TEMP	TEMPORARY
DEMO	DEMOLITION	MAX	MAXIMUM	T&G	TONGUE & GROOVE
DEP	DEPRESSED	MECH	MECHANICAL	THK	THICKNESS
DF	DRINKING FOUNTAIN	MED	MEDIUM	TLT	TOILET
DIA	DIAMETER	MFR	MANUFACTURER	TO_	TO OF (ITEM)
DIAG	DIAGONAL	MH	MANHOLE	TOC	TOP OF CONCRETE
DIM	DIMENSION	MD	MIDDLE	TOF	TOP OF FOOTING
DISP	DISPENSER	MIN	MINIMUM	TOP	TOP OF PAVEMENT
DIV	DIVISION	MIRR	MIRROR	TOS	TOP OF STEEL
DN	DOWN	MISC	MISCELLANEOUS	TOW	TOP OF WALL
DR OPNG	DOOR OPENING	MO	MASONRY OPENING	TPD	TOILET PAPER DISPENSER
DS	DOWNSPOUT	MSB	MOP SERVICE BASIN	TYP	TYPICAL
DT	DRAIN TILE	MTD	MOUNTED		
DW	DISHWASHER	MTL	METAL	UCR	UNDERCOUNTER
DWG	DRAWING			REFRIGERATOR	
DWR	DRAWER	NIC	NOT IN CONTRACT	UL	UNDERWRITERS LABORATORY
EA	EACH	NO	NUMBER	UNO	UNLESS NOTED OTHERWISE
EIFS	EXTERIOR INSULATION FINISH	NOM	NOMINAL	UR	URINAL
	SYSTEM	NTS	NOT TO SCALE		
EJ	EXPANSION JOINT			VAV	VARIABLE AIR VOLUME
EL	ELEVATION	OV	OVER	VB	VAPOR BARRIER
ELEC	ELECTRICAL/ELECTRICAL	OA	OVERALL	VCT	VINYL COMPOSITE TILE
ELEV	ELEVATOR	OC	ON CENTER	VERT	VERTICAL
EMER	EMERGENCY	OD	OUTSIDE DIAMETER	VEST	VESTIBULE
EP	ELECTRICAL PANEL	OF/CI	OWNER FURNISHED/	VIF	VERIFY IN FIELD
EQ	EQUAL		CONTRACTOR INSTALLED	VR	VAPOR RETARDER
EQUP	EQUIPMENT	OFD	OVERFLOW DRAIN	VWC	VINYL WALL COVERERING
ES	ELECTRIC STRIKE	OH	OVERHEAD		
ETR	EXISTING TO REMAIN	OPNG	OPENING	w/	WITH
EWC	ELECTRIC WATER COOLER	OPP	OPPOSITE	WC	WATERCLOSET
EXH FN	EXHAUST FAN			WD	WOOD
EXIST	EXISTING	PED	PEDESTAL	WF	WIDE FLANGE
EXP	EXPANSION	PERIM	PERIMETER	WH	WATER HEATER
EXPO	EXPOSED	PL	PLATE	w/o	WITHOUT
EXT	EXTERIOR	PL	PROPERTY LINE	WS	WORKSTATION
		PLAM	PLASTIC LAMINATE	WWF	WELDED WIRE FABRIC
FA	FIRE ALARM	PLBG	PLUMBING	WWM	WEEDED WIRE MESH
FD	FLOOR DRAIN	PLYWD	PLYWOOD		
FE	FIRE EXTINGUISHER	PNL JNT	PANEL JOINT	YD	YARD(S)
FEC	FIRE EXTINGUISHER CABINET	POC	POINT OF CONNECTION		
FF	FINISH FACE	PR	PAIR		

SYMBOLS LEGEND

- 101 — DOOR TAG
- 1a — WINDOW TAG
- e1 — WALL TAG
- ? — PROJECT KEYED NOTE
- EMERGENCY EXIT SIGN
- FIRE EXTINGUISHER
- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- 6" — TYPICAL DIMENSION
- (6") — DIMENSION SHOWING FINISH TO FINISH

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE & NATIONAL CODES HAVING JURISDICTION OVER THIS PROJECT.

2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH BUILDING REGULATIONS AND IN A QUALITY WORKMANSHIP MANNER

3. DO NOT SCALE DRAWINGS

4. SEE GENERAL CONDITIONS OF THE CONTRACT FOR FULL SCOPE OF PROJECT

5. UNLESS NOTED OTHERWISE, ALL DETAILS, SECTION AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE

6. THE PLANS AND SPECIFICATIONS ARE INTENDED TO GIVE A DESCRIPTION OF THE WORK. NO DEVIATION FROM THE PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE WRITTEN CONSENT OF STRUCRITE, INC.

7. ANY DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF STRUCRITE, INC. IN WRITING.

8. THE TERMS "NOT IN CONTRACT" OR "BY OWNER" OR "BY OTHERS" DO NOT PRECLUDE OTHER WORK ASSOCIATED WITH THE CONTRACT WHICH MUST OCCUR IN THE VICINITY OF THE AREA OR THROUGH THE SPACE.

9. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF STRUCRITE, INC PRIOR TO BIDDING.

10. IF FIELD CONDITIONS NECESSITATE ANY CHANGES OR MODIFICATIONS, THE CHANGES OR MODIFICATIONS MUST BE APPROVED BY STRUCRITE, INC. PRIOR TO PROCEEDING WITH WORK.

11. ALL CHANGE ORDERS MUST BE APPROVED BY THE OWNER PRIOR TO PROCEEDING WITH ANY WORK. FAILURE TO FOLLOW THIS STEP MIGHT RESULT IN NON-PAYMENT.

12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CLEAN-UP.

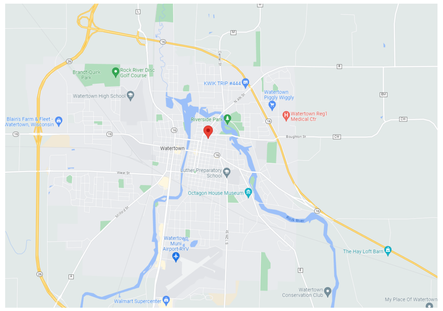
13. GENERAL AND SUB CONTRACTS SHALL EXERCISE ALL REASONABLE PRECAUTIONS FOR THE PROTECTION OF PERSONS AND PROPERTY ON THE SITE. ALL SAFETY PROVISIONS AND APPLICABLE LAWS FOR BUILDING AND CONSTUCTION CODES SHALL BE OBSERVED.

14. GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO STRUCRITE INC. FOR APPROVAL BEFORE PROCEEDING WITH ANY FABRICATION OR INSTALLATION.

15. MANUFACTURES DIRECTIONS FOR APPLICATION, INSTALLATION AND METHODS SHALL BE FOLLOWED ARE HEREWITH MADE PART OF THE CONSTRUCTION DOCUMENTS.

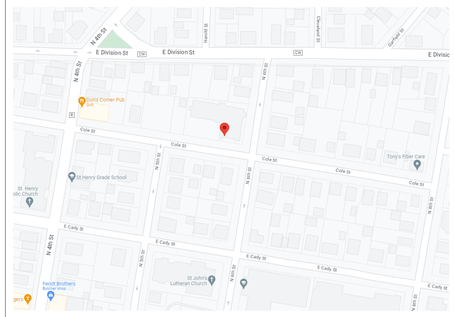
16. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY TO BE PRESSURE TREATED

LOCATION MAP



NORTH

VICINITY MAP



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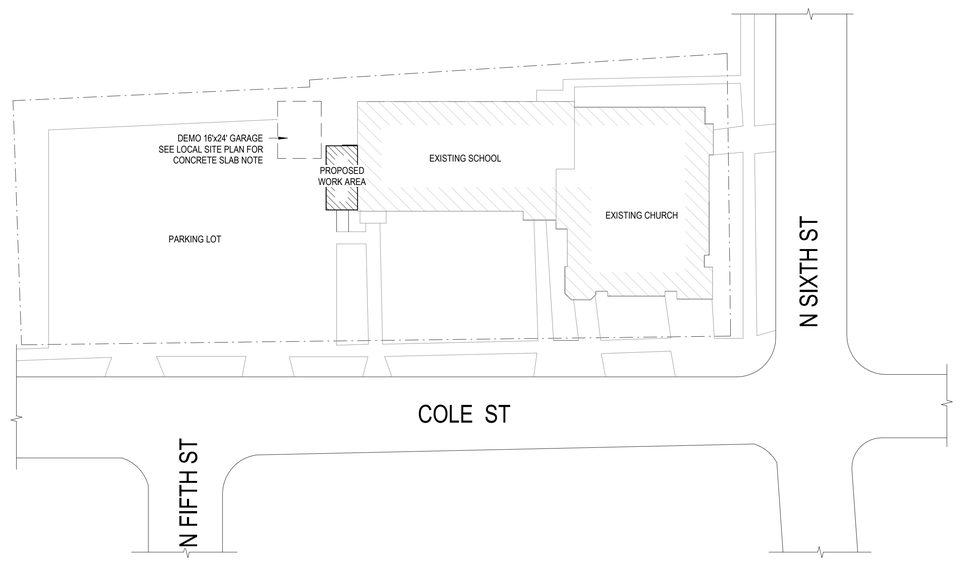
SHEET INDEX



1 Overall Site Plan
1" = 30'-0"

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Waukesha, WI 53186
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WISCONSIN BOYD E. COLEMAN III E-26990 WAUKESHA, WI PROFESSIONAL ENGINEER

Moravian Church - Lift Vestibule

510 Cole St.
Watertown, WI 53094

DESIGNER/ SUPERVISING PROFESSIONAL

StrucRite, Inc.
Boyd E. Coleman, P.E.
President, Engineer
707 N. Grand Ave. Suite 102
Waukesha, WI 53186
262.549.3222

REVISIONS

No.	DATE	DESCRIPTION

CONSTRUCTION DOCUMENTS

SHEET TITLE: COVER PAGE
JOB NUMBER: 24191
ISSUED DATE: 05.30.2025
DRAWN BY: JJR
SHEET NUMBER: **G1.0**

5/30/2025 9:45:51 AM

COMcheck Software Version 4.1.5.5

Envelope Compliance Certificate

Project Information

Energy Code:	2015 IECC
Project Title:	Building Addition at lift
Location:	Watertown, Wisconsin
Climate Zone:	6a
Project Type:	Addition
Vertical Glazing / Wall Area:	22%

Construction Site:
510 Cole St
Watertown, WI 53094

Owner/Agent:
Moravian Church
510 Cole St
Watertown, WI 53094

Designer/Contractor:
Boyd Coleman
StrucRite, Inc.
707 N. Grand Ave - Suite 102
Waukesha, WI 53186
262-549-3222
boydc@srdinc.biz

Building Area	Floor Area
1-Accessible Lift Entrance (Religious Building) : Nonresidential	135

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Floor 1: Slab-On-Grade:Unheated, Vertical 4 ft., [Bldg. Use 1 - Accessible Lift Entrance] (d)	34	---	10.0	0.480	0.540
Roof 1: Other Insulation Above Deck, [Bldg. Use 1 - Accessible Lift Entrance] (b)	280	---	---	0.040	0.032
NORTH					
Exterior Wall 1: Steel-Framed, 16" o.c., [Bldg. Use 1 - Accessible Lift Entrance]	68	19.0	0.0	0.109	0.064
SOUTH					
Exterior Wall 3: Steel-Framed, 16" o.c., [Bldg. Use 1 - Accessible Lift Entrance]	80	19.0	0.0	0.109	0.064
Door: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID ns, SHGC 0.40, [Bldg. Use 1 - Accessible Lift Entrance] (c)	20	---	---	0.450	0.770
Sidelight: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID na, SHGC 0.40, [Bldg. Use 1 - Accessible Lift Entrance] (c)	12	---	---	0.450	0.770
WEST					
Exterior Wall 2: Steel-Framed, 16" o.c., [Bldg. Use 1 - Accessible Lift Entrance]	128	19.0	0.0	0.109	0.064
Window: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID na, SHGC 0.40, [Bldg. Use 1 - Accessible Lift Entrance] (c)	28	---	---	0.300	0.360

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) 'Other' components require supporting documentation for proposed U-factors.

(c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(d) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 3% better than code

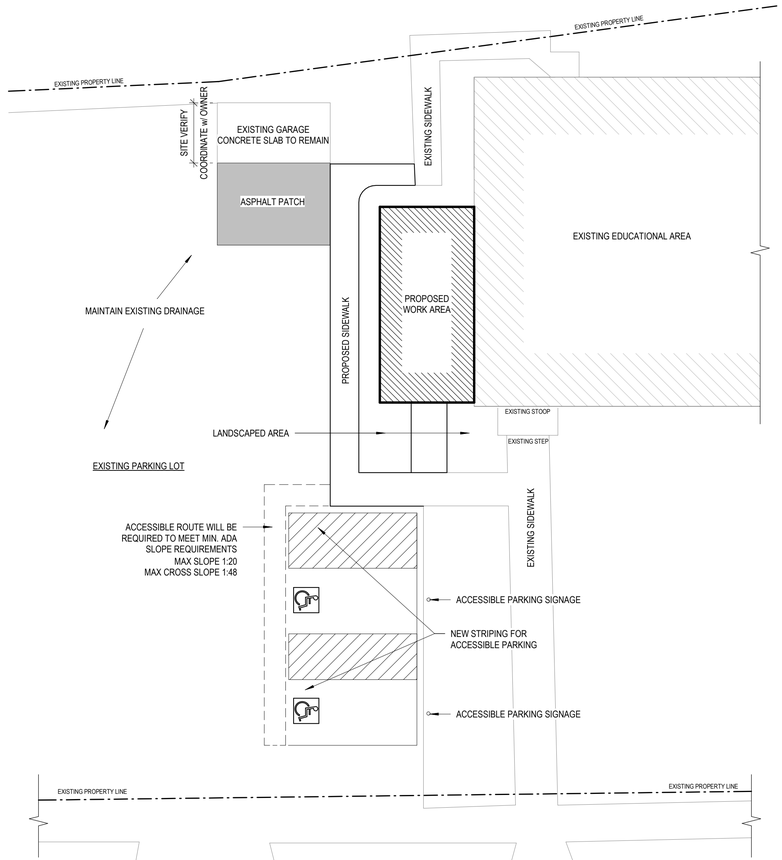
Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2015 IECC requirements in COM*check* Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title _____ Signature _____ Date _____

LIFE SAFETY ANALYSIS

SUBMITTAL TYPE	ADDITION				MAXIMUM EXIT DISTANCE	MAXIMUM	200'-0"	ACTUAL	12'-0"	@ PROPOSED ADDITION
TYPE OF CONSTRUCTION	IIB				MAXIMUM COMMON PATH	MAXIMUM	75'-0"	ACTUAL	12'-0"	
NUMBER OF STORIES	2				MAXIMUM DEAD-END CORRIDOR	MAXIMUM	25'-0"	ACTUAL	12'-0"	
SPRINKLED	NO				TOTAL NUMBER OF EXITS	REQUIRED	1	ACTUAL	1	
SPRINKLER TYPE	-				REQUIRED STAIR WIDTH	REQUIRED	ETR	ACTUAL	ETR	
FIRE SUPPRESSION	-				REQUIRED EGRESS WIDTH	REQUIRED	32"	ACTUAL	36"	@ PROPOSED ADDITION
FIRE ALARM	YES				MAIN OCCUPANCY TYPE	A-3				
ALARM TYPE	MANUAL				ALL OCCUPANCY TYPES	E, A-3				
WATER CLOSET-MALE	REQUIRED	ETR	PROVIDED	ETR	OCCUPANCY SEPARATIONS	1 HR FIRE RATED SHAFT ENCLOSURE				
WATER CLOSET-FEMALE	REQUIRED	ETR	PROVIDED	ETR	INCIDENTAL USES					
LAVATORIES	REQUIRED	ETR	PROVIDED	ETR	ALLOWABLE AREA					
TUBS/SHOWERS	REQUIRED	ETR	PROVIDED	ETR	(ADDITION) ACTUAL AREA FOR	295 SQFT (INCLUDING ROOF OVERHANG)				
DRINKING FOUNTAINS	REQUIRED	ETR	PROVIDED	ETR	ACTUAL AREA FOR	135 SQFT (ADDITION INTERIOR)				
OTHER					ACTUAL AREA FOR					
					TOTAL ACTUAL AREA	295 SQFT				
					TOTAL OCCUPANT LOAD	7 (AT ADDITION)				



1 Local Site Plan
1" = 10'-0"

NORTH
TRUE

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SHEET TITLE: BUILDING INFORMATION
JOB NUMBER: 24191
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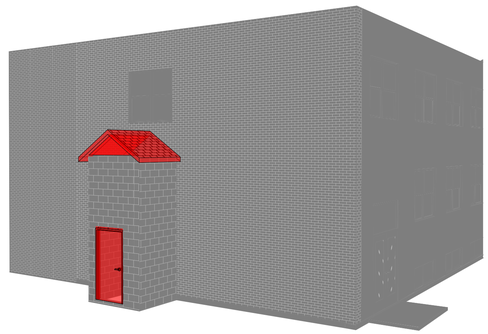
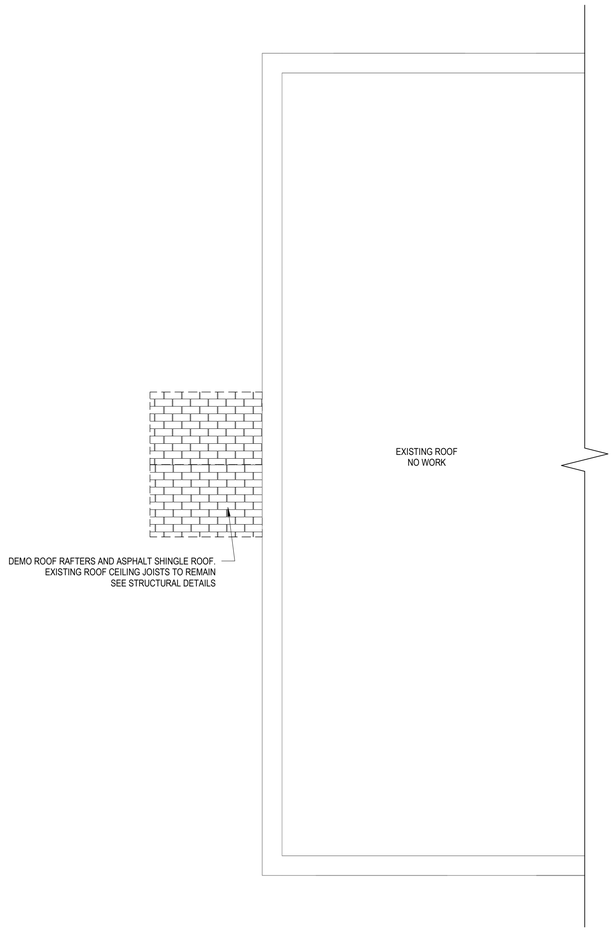
DRAWN BY: JJR
SHEET NUMBER: G1.1

5/30/2025 9:36:37 AM

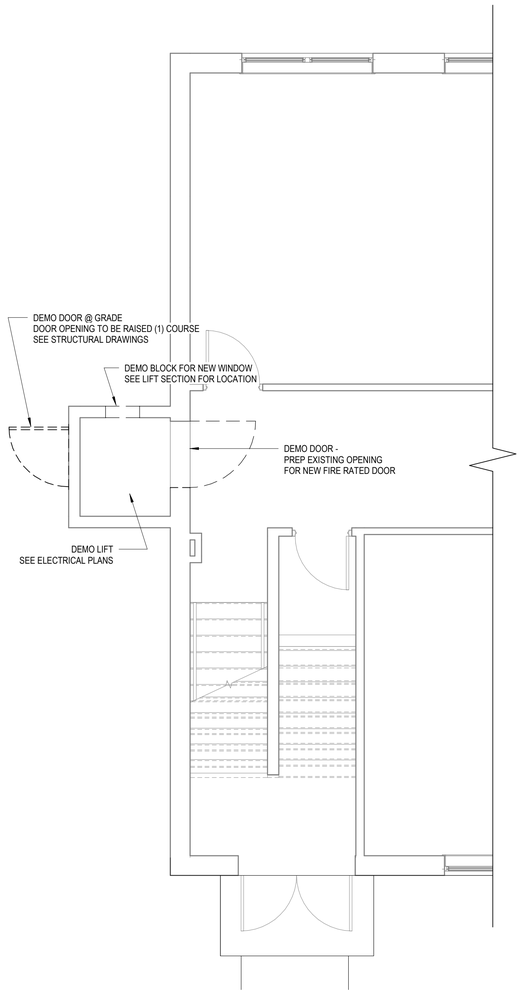


4 PERSPECTIVE - DEMO VIEW



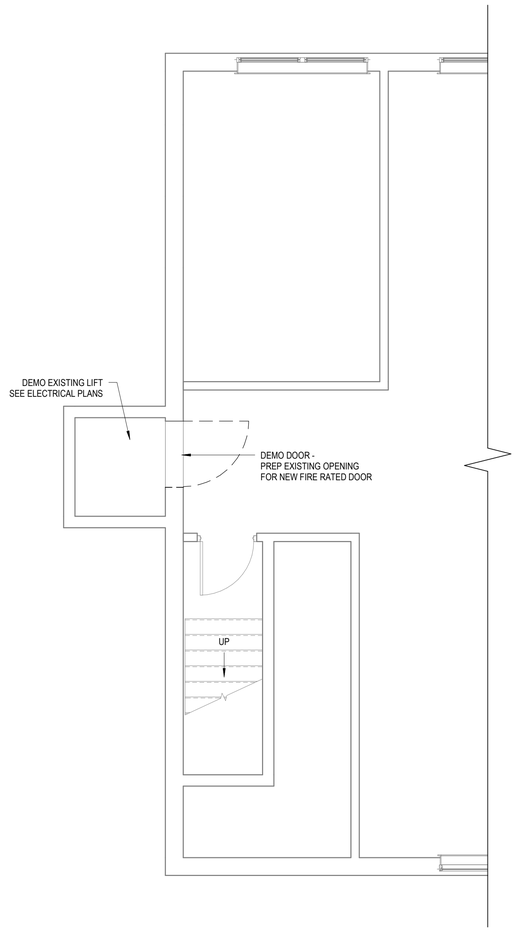
3 EXISTING / DEMO ROOF PLAN
1/4" = 1'-0"

NORTH



2 1st FLOOR - EXISTING / DEMO PLAN
1/4" = 1'-0"

NORTH



1 BASEMENT - EXISTING / DEMO PLAN
1/4" = 1'-0"

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DRAWN BY: JJR
SHEET NUMBER: **AD1.0**

5/30/2025 9:36:36 AM

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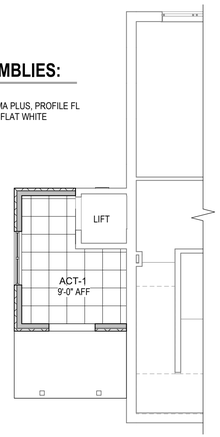
510 Cole St.
Watertown, WI 53094

SUSPENDED CEILING ASSEMBLIES:

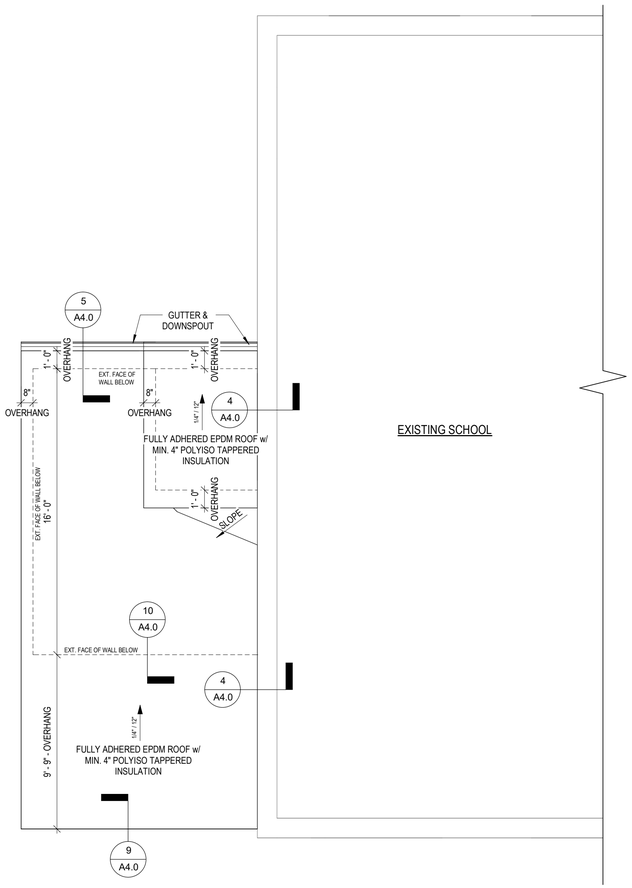
ACT-1 — 24" x 24" LAY-IN TILES; USG ECLIPSE CLIMA PLUS, PROFILE FL w/ USG CENTRICITEE DXT GRID, COLOR: FLAT WHITE



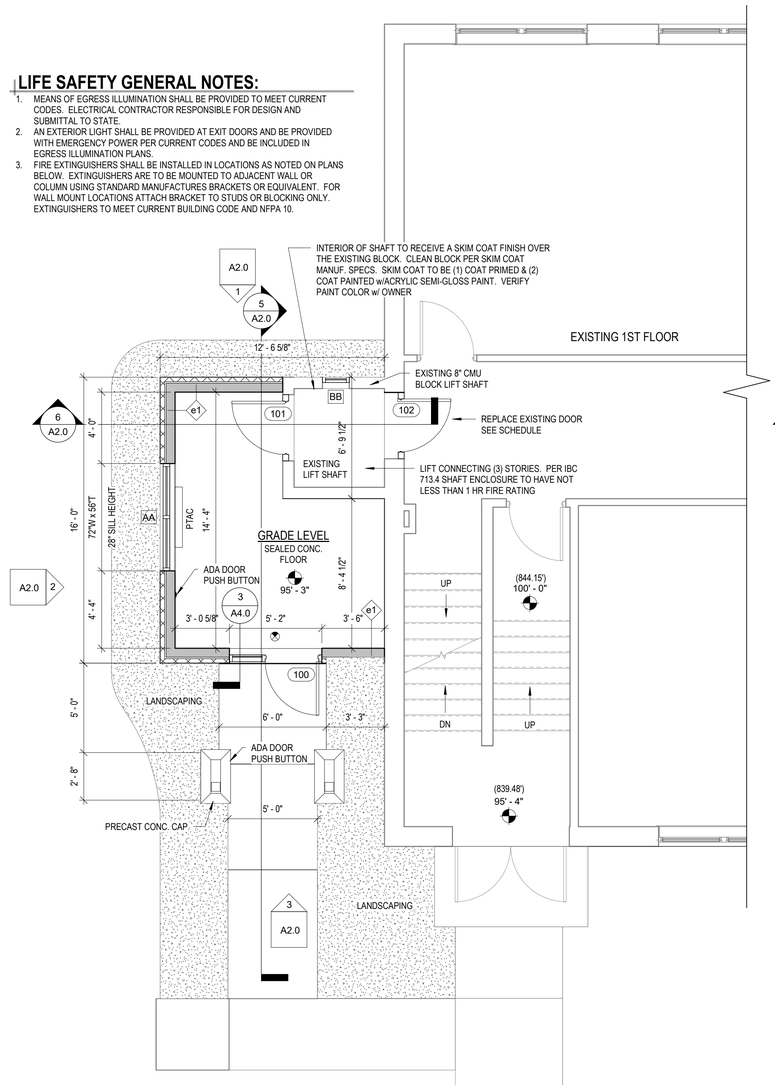
4 GRADE - RCP PLAN
1/8" = 1'-0"

LIFE SAFETY GENERAL NOTES:

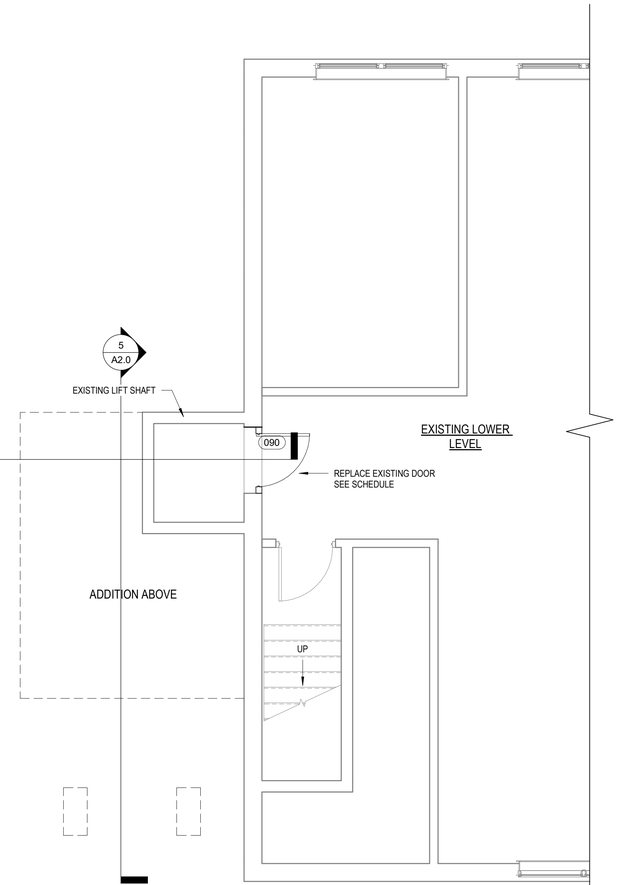
1. MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED TO MEET CURRENT CODES. ELECTRICAL CONTRACTOR RESPONSIBLE FOR DESIGN AND SUBMITTAL TO STATE.
2. AN EXTERIOR LIGHT SHALL BE PROVIDED AT EXIT DOORS AND BE PROVIDED WITH EMERGENCY POWER PER CURRENT CODES AND BE INCLUDED IN EGRESS ILLUMINATION PLANS.
3. FIRE EXTINGUISHERS SHALL BE INSTALLED IN LOCATIONS AS NOTED ON PLANS BELOW. EXTINGUISHERS ARE TO BE MOUNTED TO ADJACENT WALL OR COLUMN USING STANDARD MANUFACTURES BRACKETS OR EQUIVALENT. FOR WALL MOUNT LOCATIONS ATTACH BRACKET TO STUDS OR BLOCKING ONLY. EXTINGUISHERS TO MEET CURRENT BUILDING CODE AND NFPA 10.



3 PROPOSED ROOF PLAN
1/4" = 1'-0"



2 PROPOSED GRADE / 1ST FLOOR
1/4" = 1'-0"



1 PROPOSED LOWER LEVEL
1/4" = 1'-0"

NORTH

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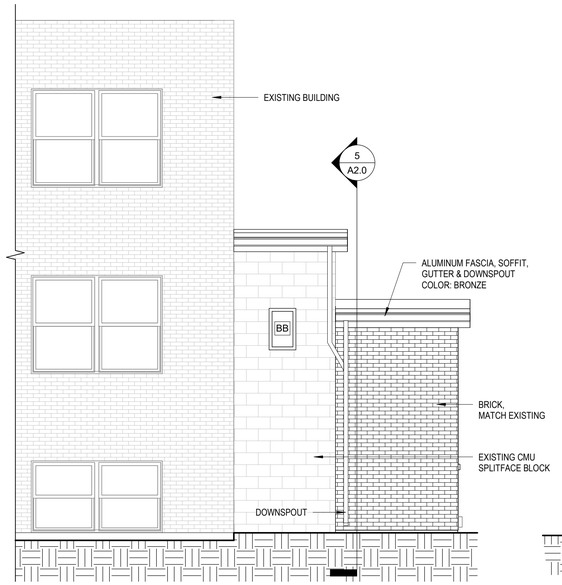
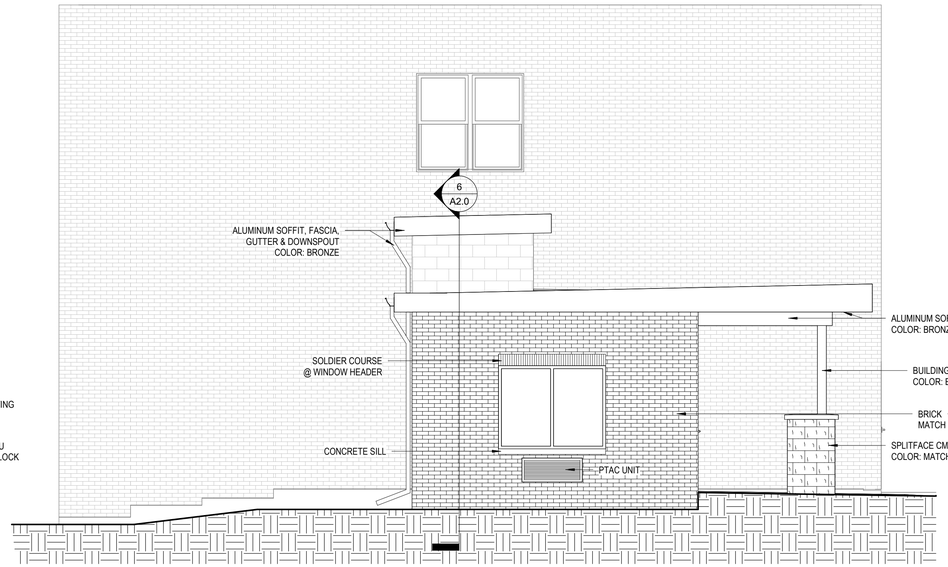
DRAWN BY:	JJR
SHEET NUMBER:	A1.1

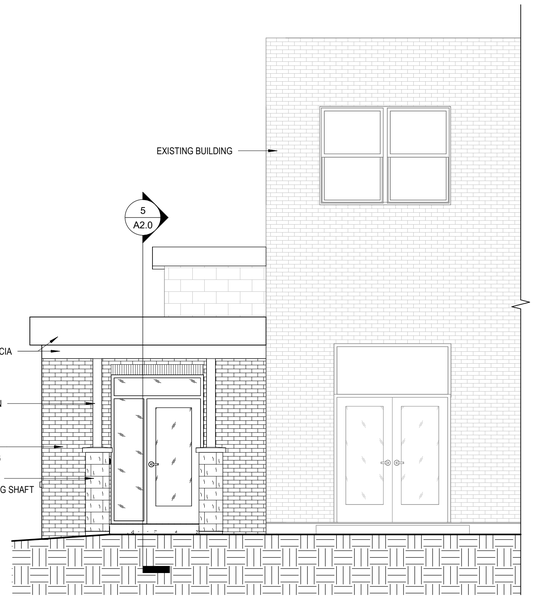
5/30/2025 9:36:30 AM



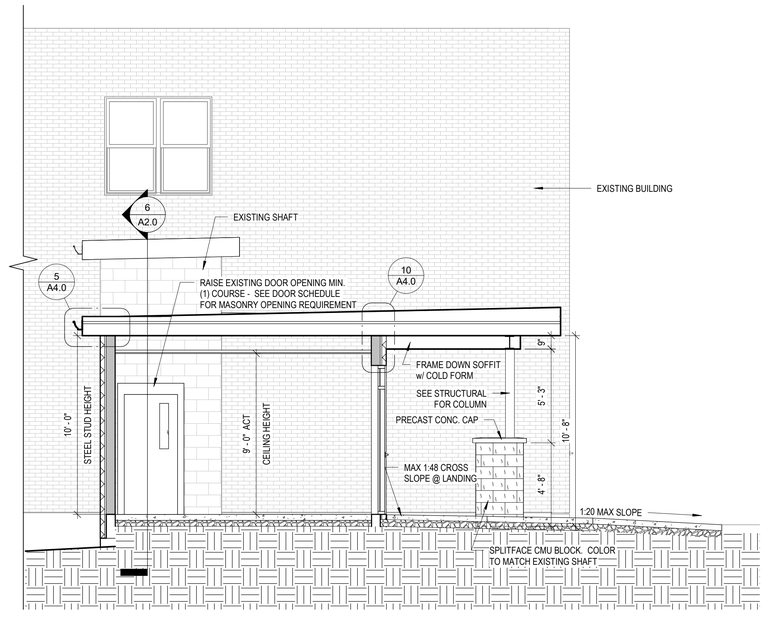
1 NORTH ELEVATION
1/4" = 1'-0"



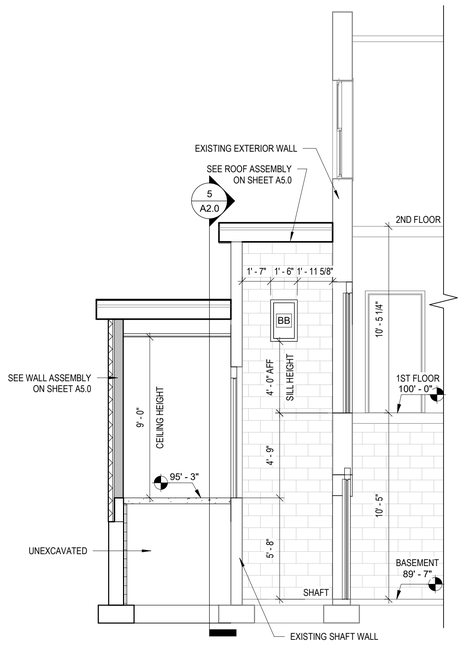
2 WEST ELEVATION
1/4" = 1'-0"



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



5 BUILDING SECTION AT VESTIBULE
1/4" = 1'-0"



6 LIFT SECTION
1/4" = 1'-0"

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Moravian Church - Lift Vestibule

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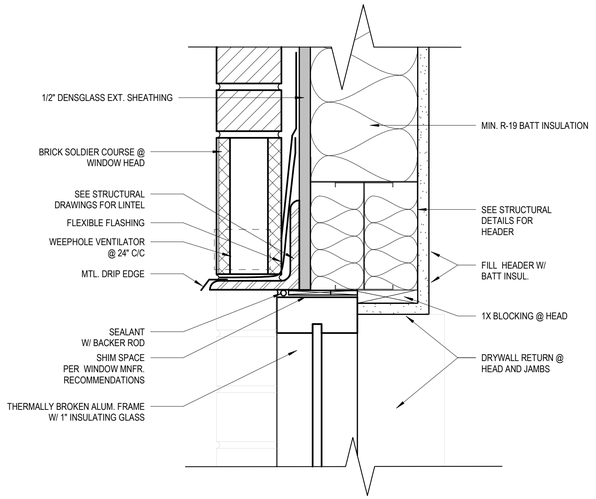
REVISIONS

No.	DATE	DESCRIPTION

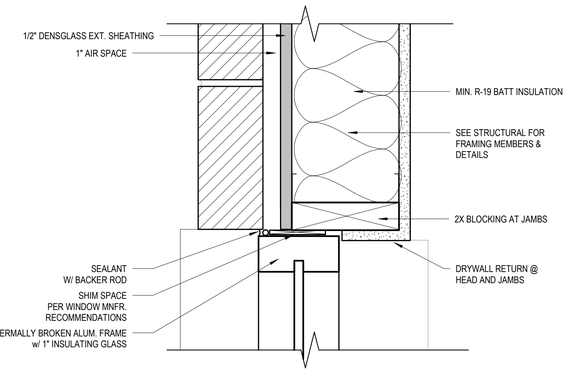
CONSTRUCTION DOCUMENTS

SHEET TITLE: ELEVATIONS & SECTIONS
JOB NUMBER: 24191
ISSUED DATE: 05.30.2025
DRAWN BY: JJR
SHEET NUMBER: **A2.0**

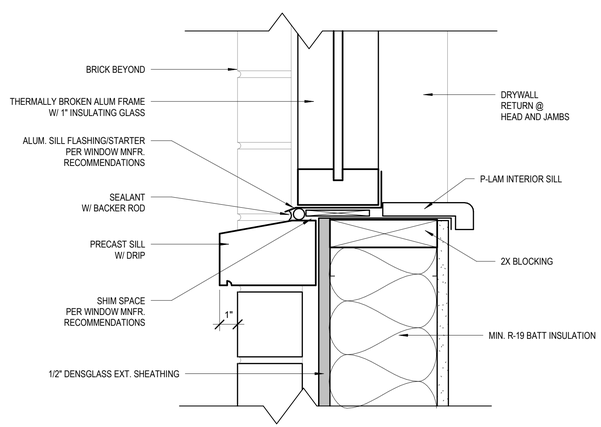
5/30/2025 9:36:34 AM



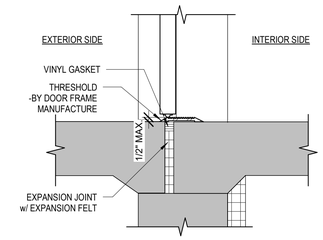
2 WINDOW HEAD
3" = 1'-0"



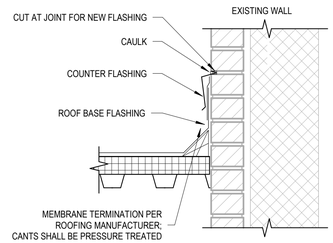
8 WINDOW JAMB
3" = 1'-0"



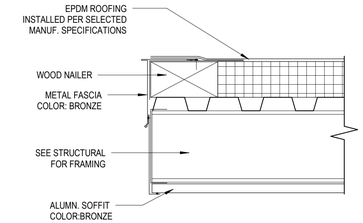
13 WINDOW SILL
3" = 1'-0"



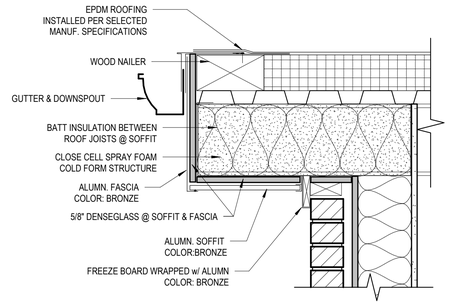
3 THRESHOLD AT ENTRY DOOR
1 1/2" = 1'-0"



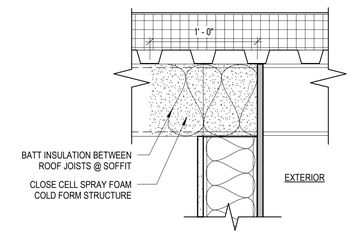
4 ROOF AT EXISTING WALL
1 1/2" = 1'-0"



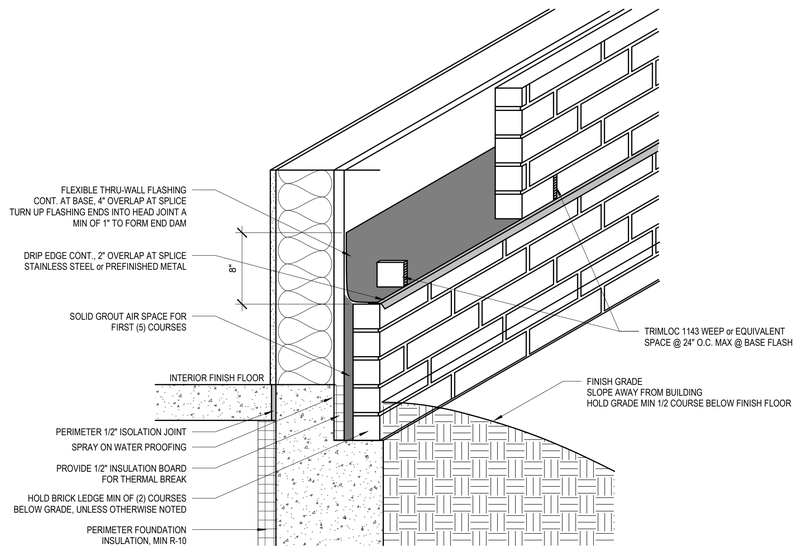
9 TYP. CANOPY EDGE DETAIL
1 1/2" = 1'-0"



5 LOW EAVE INSULATING DETAIL
1 1/2" = 1'-0"



10 INSULATION @ ROOF JOISTS ABOVE ENTRY DOOR
1 1/2" = 1'-0"



14 TYPICAL - BRICK FLASHING DETAIL
NOT TO SCALE

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ISSUED DATE:	05.30.2025
DRAWN BY:	JJR
SHEET NUMBER:	A4.0

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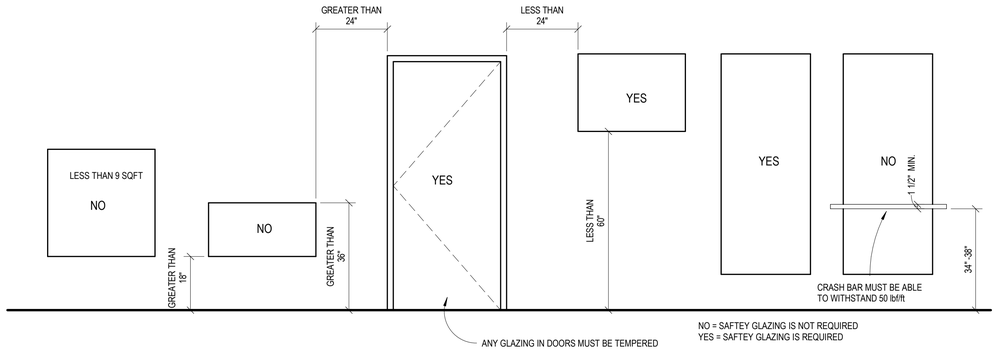
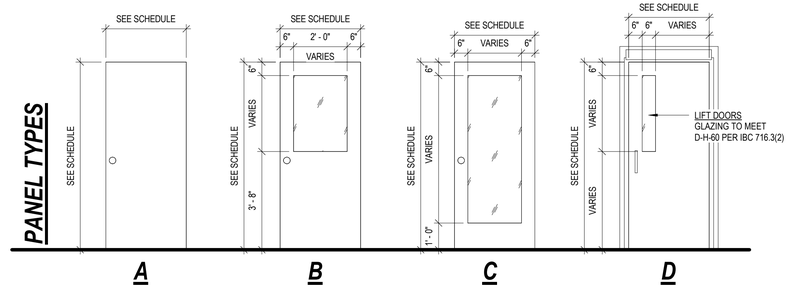


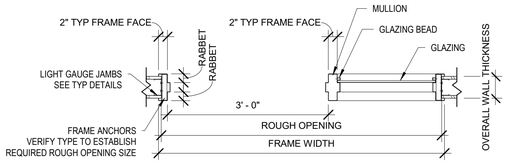
SAFETY GLAZING

NOT ALL ARE USED.

DOOR SCHEDULE

MARK	LOCATION	DOOR PANEL WIDTH	DOOR PANEL HEIGHT	DOOR PANEL MATERIAL	DOOR PANEL FINISH	DOOR PANEL TYPE	DOOR FRAME R.O. WIDTH	DOOR FRAME R.O. HEIGHT	DOOR FRAME MATERIAL	DOOR FRAME FINISH	FIRE RATING	COMMENTS	HARDWARE SET
090	LIFT - LOWER LEVEL	2' - 11 3/4"	6' - 8 1/2"	STEEL	PAINT	D	3' - 8 1/2"	7' - 4"	STEEL	PAINT	60 MIN.	EXISTING ROUGH OPENING IS 3'-8 1/2" x 6'-11 1/2"	SEE DOOR HARDWARE TYPES
100	GRADE LEVEL	5' - 2"	8' - 4"	STEEL	PAINT	C	5' - 2 1/2"	8' - 4 1/4"	STEEL	PAINT		36" ENTRY DOOR w/ 20" SIDELIGHT	101,200,210,211,212, 213
101	LIFT - GRADE LEVEL	2' - 11 3/4"	6' - 8 1/2"	STEEL	PAINT	D	3' - 8 1/2"	7' - 4"	STEEL	PAINT	60 MIN.	EXISTING ROUGH OPENING IS 3'-8 1/2" x 6'-11 1/2"	SEE DOOR HARDWARE TYPES
102	LIFT - 1ST FLOOR	2' - 11 3/4"	6' - 8 1/2"	STEEL	PAINT	D	3' - 8 1/2"	7' - 4"	STEEL	PAINT	60 MIN.	EXISTING ROUGH OPENING IS 3'-8 1/2" x 6'-11 1/2"	SEE DOOR HARDWARE TYPES





1 TYP. DOOR JAMB w/ SIDELIGHT
3/4" = 1'-0"

DOOR HARDWARE TYPES:

SPECIFIED BRANDS MAY BE SUBSTITUTED WITH AN EQUIVALENT WITH OWNER & ARCHITECT APPROVAL

ALL HARDWARE FINISHES TO BE: #619 SATIN NICKEL

101 - VON DUPRIN DERIES 98-99 PANIC EXIT BAR
FINISH: #628, ANODIZED ALUMINUM
DOOR TO BE KEYED TO MATCH ADJACENT EXTERIOR DOOR @ EDUCATION WING OF EXISTING BUILDING

200 - LCN 1000 SERIES, DOOR CLOSER
210 - DOOR SEALS
211 - DOOR SWEEP
212 - LOW PROFILE THRESHOLD, MEETS ANSI-117
213 - ADA WIRED PUSH BUTTON

NOTE: LIFT DOOR HARDWARE PROVIDED WITH DOORS BY LIFT SUPPLIER

DOOR & DOOR FRAME NOTES:

- INSULATE ALL HOLLOW METAL DOOR FRAMES WITH FIBERGLASS INSULATION.
- PROVIDE ALL HOLLOW METAL FRAMES w/ (1) COAT PRIMER & (2) COATS PAINT.
- ALL HOLLOW METAL FRAMES TO BE REINFORCED & PREPARED FOR HARDWARE.
- ALL WELDED FRAMES SHALL BE 16ga (MIN.)
- ALL HOLLOW METAL DOORS SHALL BE 18ga (MIN.)
- ALL EXTERIOR DOORS SHALL BE PROVIDED WITH WEATHERSTRIPPING.
- ALL DOOR THRESHOLDS SHALL NOT EXCEED 1/2" IN HEIGHT.
- ALL DOORS SHALL MEET A.D.A. REQUIREMENTS.
- PROVIDE LEVER TYPE HANDLES ON ALL DOORS.
- PROVIDE CAULKING AT ALL DOOR FRAMES, WINDOWS & WHERE NOTED ON PLANS
- VERIFY w/ H.V.A.C. CONTRACTOR FOR DOOR UNDERCUTS & GRILLES.
- ALL SIGNAGE TO ME MOUNTED AT A.D.A. HEIGHT (SEE GENERAL SPECIFICATIONS).
- UNLESS NOTED OTHERWISE, ALL EXTERIOR WALK DOORS SHALL HAVE A U-FACTOR OF 0.45 OR BETTER.

DOOR HARDWARE NOTES:

1. ALL HANDLES, PULLS, LATCHES, LOCKS, & OTHER PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND & DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34 INCHES MINIMUM TO 48 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
2. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM.
3. DOOR SWING HINGES SHALL BE ADJUSTED SO THAT THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM, MEASURED UNDER AMBIENT CONDITIONS.
4. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE AUTHORITY. THE MAXIMUM FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:
   A. INTERIOR HINGED DOOR: 5.0 POUNDS (22.2N)
   B. SLIDING OR FOLDING DOOR: 5.0 POUNDS (22.2N)

THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.

WINDOW SCHEDULE

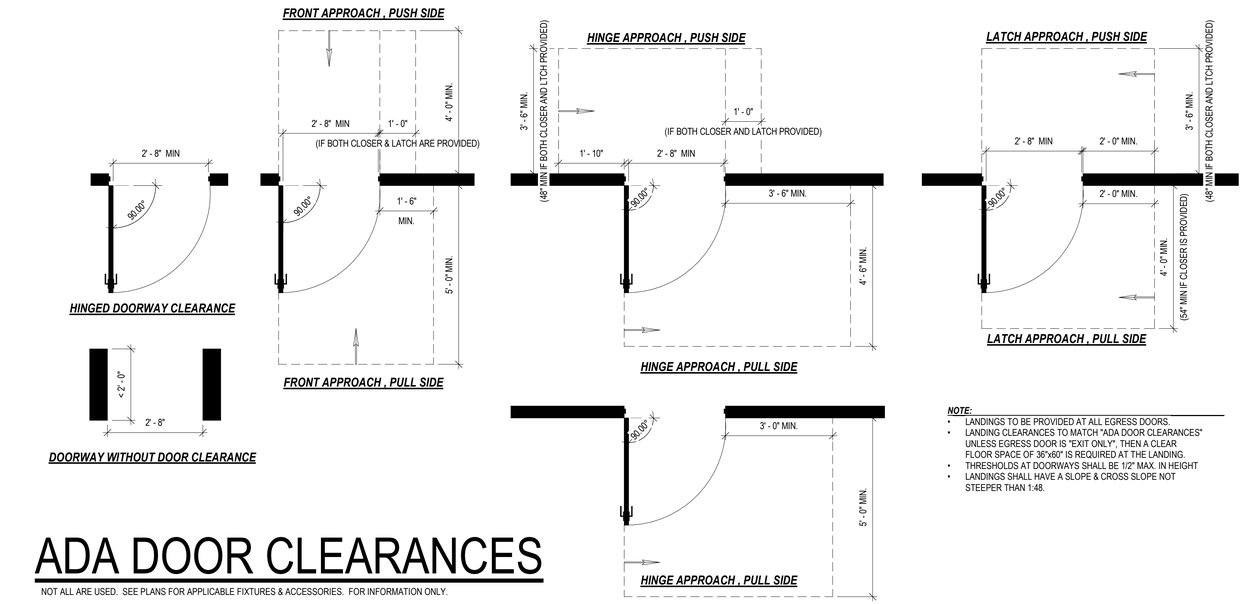
MARK	WINDOW SIZE WIDTH	WINDOW SIZE HEIGHT	QTY.	COMMENTS
AA	6' - 0"	4' - 8"	1	30" SILL HEIGHT
BB	1' - 6"	2' - 4"	1	FIRE RATING NOT REQUIRED - PER 2015 IBC 713.6
2				

WINDOW NOTES:

1. GENERAL CONTRACTOR IS TO VERIFY THE REQUIRED ROUGH OPENING SIZE REQUIRED FOR EACH WINDOW, & THAT ALL OPENINGS HAVE BEEN PREPARED PER MANUFACTURER'S SPECIFICATIONS & PER THE DETAILS IN THIS DRAWING SET.
2. FIELD VERIFICATION OF EACH OPENING SHALL BE COORDINATED WITH WINDOW SUPPLIER PRIOR TO WINDOW INSTALLATION TO ENSURE PROPER FITTING.
3. ALL GLAZING SYSTEMS TO BE PREFINISHED EXTRUDED ALUMINUM THERMALLY BROKEN FRAMES. FIRST FLOOR GLAZING TO BE INSTALLED FROM EXTERIOR SIDE. ALL GLAZING ABOVE FIRST FLOOR TO BE INSTALLED FROM INTERIOR SIDE.
   COLOR: ALUMINUM
4. SEE COMcheck FOR WINDOW U-VALUE REQUIREMENTS
5. WINDOW FRAME INSTALLATION TO FOLLOW MANUFACTURER'S SPECIFICATIONS & WINDOW DETAILS IN DRAWING SET.
6. PROVIDE SAFETY GLAZING WHERE REQUIRED BY CODE, SEE GUIDE ON A5.0

ADA DOOR CLEARANCES

NOT ALL ARE USED. SEE PLANS FOR APPLICABLE FIXTURES & ACCESSORIES. FOR INFORMATION ONLY.

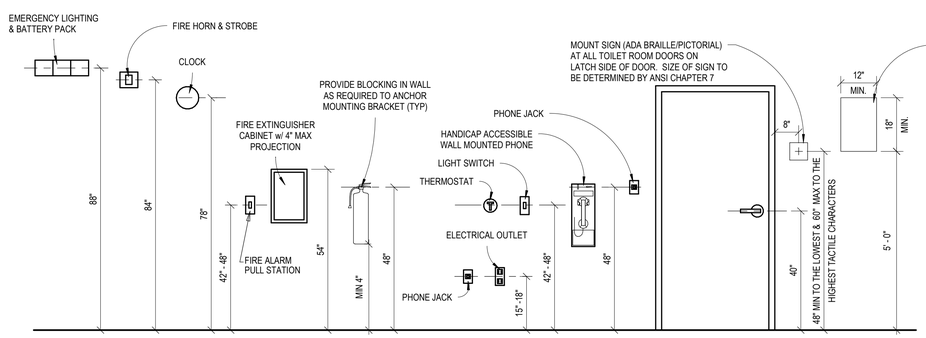


NOTE:

- LANDINGS TO BE PROVIDED AT ALL EGRESS DOORS.
- LANDING CLEARANCES TO MATCH "ADA DOOR CLEARANCES" UNLESS EGRESS DOOR IS "EXIT ONLY", THEN A CLEAR FLOOR SPACE OF 36"x60" IS REQUIRED AT THE LANDING.
- THRESHOLDS AT DOORWAYS SHALL BE 1/2" MAX. IN HEIGHT
- LANDINGS SHALL HAVE A SLOPE & CROSS SLOPE NOT STEEPER THAN 1:48.

STANDARD MOUNTING HEIGHTS

NOT ALL ARE USED. SEE PLANS FOR APPLICABLE FIXTURES & ACCESSORIES. FOR INFORMATION ONLY.

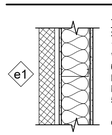


STANDARD MOUNTING HEIGHT NOTES:

1. ALL SIGNAGE SHALL MEET THE REQUIREMENTS OF ADA AND ANSI A117.1 SEC. 703.
2. SIGN SHALL BE MOUNTED WHERE INDICATED. WHERE THERE IS NO WALL SPACE ADJACENT TO LATCH SIDE OF DOOR, SIGN SHALL BE MOUNTED ON NEAREST ADJACENT WALL.
3. MOUNTING LOCATION FOR SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR.
4. DIRECTIONAL SIGNAGE IS REQUIRED AT BUT NOT LIMITED TO:
   - EXITS SERVING AN ACCESSIBLE SPACE
   - ELEVATOR LANDINGS
   - AREAS OF REFUGE
5. TACTILE EXIT SIGNS SHALL BE PROVIDED AT EACH DOOR TO AN EXIT STAIRWAY AND AT THE EXIT DISCHARGE
6. FACILITIES AND ELEMENTS REQUIRED TO BE IDENTIFIED AS ACCESSIBLE SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.
7. STANDARD MOUNTING HEIGHTS APPLY TO DRAWINGS UNLESS INDICATED OTHERWISE.
8. NOTIFY STRUCRITE OF ANY DISCREPANCIES.

WALL & ROOF ASSEMBLIES:

EXTERIOR WALLS

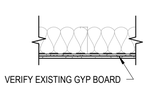


TAG SIDE
STANDARD BRICK
1" AIR SPACE
*1/2" DENSGLASS (WEATHER BARRIER)
6" STEEL STUD - SEE STRUC.
R-19 BATT INSULATION
MIN. 6 MIL VAPOR BARRIER
5/8" GYP BOARD

e1 WALL THICKNESS: 11 3/4"

*WEATHER BARRIER INSTALLED PER SELECTED MANUFACTURES SPECIFICATIONS

ROOF ASSEMBLY @ LIFT



TOP SIDE
EXISTING CEILING JOIST
EXISTING INSULATION
MIN. 6 MIL VAPOR BARRIER
5/8" TYPE "X" GYP BOARD
5/8" TYPE "X" GYP BOARD

VERIFY EXISTING GYP BOARD TYPE AND THICKNESS

1 HR FIRE RATED FLOOR / CEILING ASSEMBLY - GA FILE NO. FC5406

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DRAWN BY: JJR
SHEET NUMBER: A5.0

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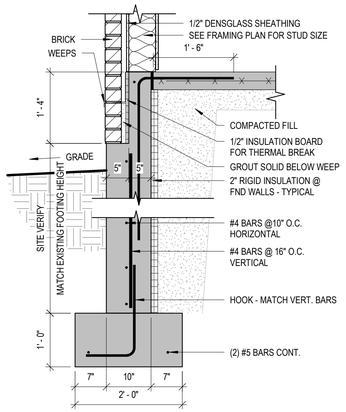
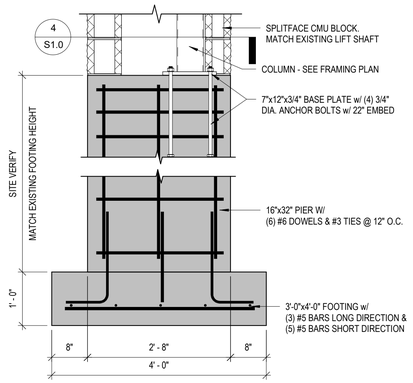
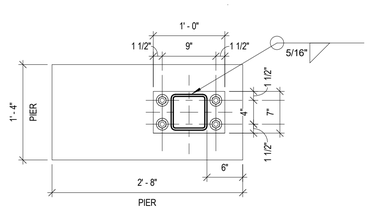


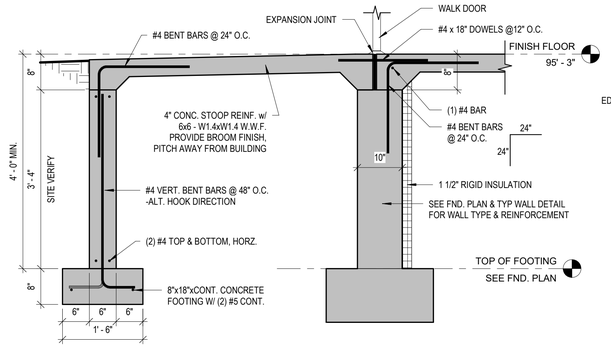
2 10" WIDE CONCRETE FND WALL
3/4" = 1'-0"



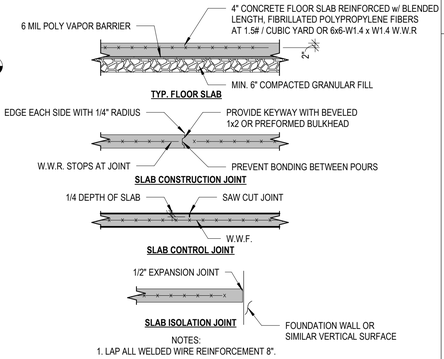
3 PIER DETAIL
3/4" = 1'-0"



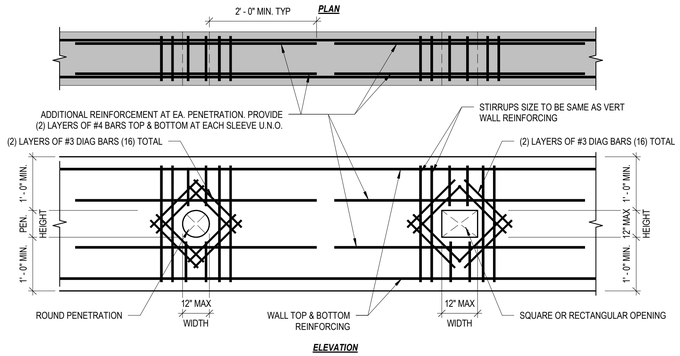
4 COLUMN BASE PLATE
1" = 1'-0"



5 TYP. STOOP DETAIL
3/4" = 1'-0"



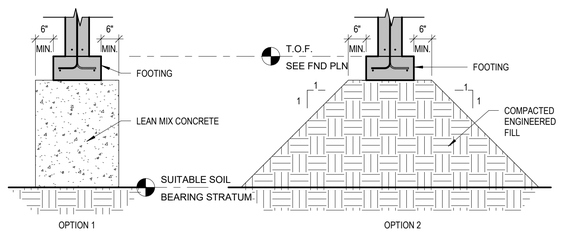
6 INTERIOR SLAB ON GRAD CONST. JOINTS
NOT TO SCALE



NOTES:

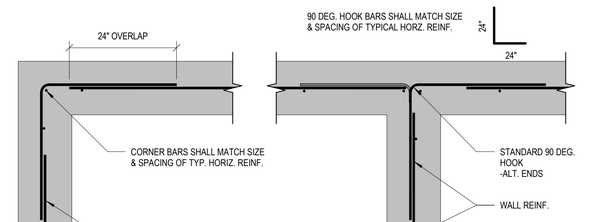
1. GENERAL CONTRACTOR TO COORDINATE LOCATION, SIZE & ELEVATION & INCLUDE HIS CONTRACT PRICE. ALL REQUIRED HORIZONTAL PENETRATIONS THROUGH CONCRETE WALLS WETHER SHOWN ON STRUCTURAL DRAWINGS OR NOT WHERE WALL PENETRATIONS ARE REQUIRED BUT ARE NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, SUBMIT DRAWINGS, SHOWING DIMENSIONS & LOCATIONS OF ALL REQUIRED PENETRATIONS FOR REVIEW & APPROVAL.
2. CLEAR SPACING BETWEEN PENETRATIONS SHALL BE 24" MINIMUM UNLESS DESIGNED OTHERWISE BY ENGINEER.
3. FOR LOCATIONS & OR SIZES OF PENETRATIONS NOT CONFORMING TO THE ABOVE CRITERIA & NOT OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL COORDINATE REQUIRED ADDITIONAL REINFORCEMENT WITH THE ENGINEER ON THE SHOP DRAWINGS.

7 REINFORCING @ CONC. OPENINGS
NOT TO SCALE



- SUITABLE SOIL BEARING STRATUM TO BE DETERMINED BY GEOTECHNICAL ENGINEER IN FIELD.
- LEAN MIX CONCRETE f'c = 1000 PSI @ 28 DAYS MINIMUM.
- COMPACTED ENGINEERED FILL TO BE PLACED IN 9" LIFTS MAXIMUM AND COMPACTED TO 95% MODIFIED PROCTOR.
- SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
- DETAILS APPLY TO CONTINUOUS STRIP FOOTINGS AND TO ISOLATED SPREAD FOOTINGS INCLUDING INTERIOR FOOTINGS.

8 TYP. FILL BELOW FOOTING
NOT TO SCALE



9 TYP CONC WALL CORNER REINF
NOT TO SCALE

GENERAL FOUNDATION NOTES:

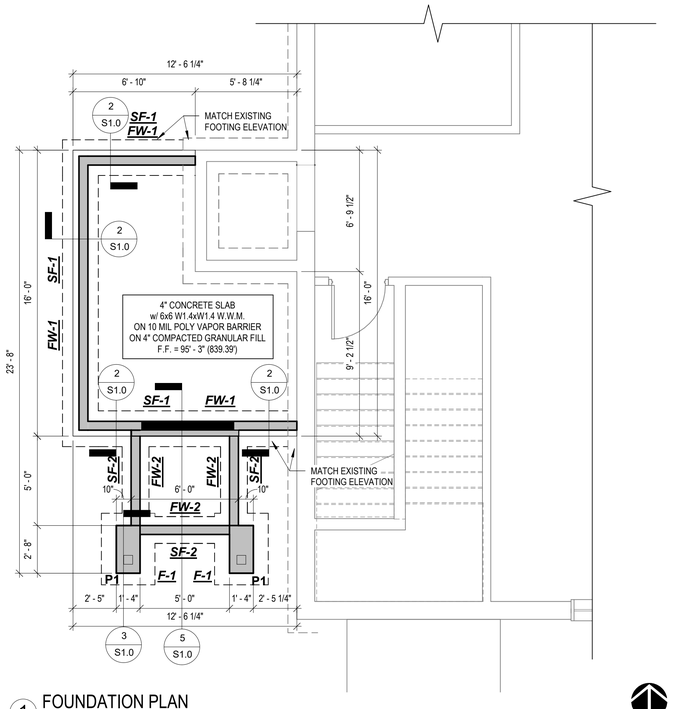
1. FOUNDATION EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL & STANDING WATER & SHALL BE CHECKED & APPROVED BY THE GEOTECHNICAL ENGINEER BEFORE PLACEMENT OF ANY CONCRETE.
2. FOUNDATION WALLS SHALL BE 10" THICK UNLESS NOTED OTHERWISE.
3. WALL FOOTINGS ARE CONTINUOUS POURED CONCRETE WITH CONTINUOUS REINF. PLACED 3" CLEAR OF BOTTOM & SIDES
4. PERIMETER INSULATION TO BE 1 1/2" RIGID INSULATION AGAINST INTERIOR FACE OF WALL. U.N.O. SEE FOUNDATION DETAILS.
5. CONTRACTOR TO VERIFY ALL CONCRETE FLOOR FINISHES w/ OWNER.
6. CONTRACTOR TO VERIFY ALL UNDERGROUND WORK PRIOR TO SLAB POURING.
7. SEE SITE PLAN FOR ADDITIONAL CONCRETE WORK.
8. SEE GEN. BLDG. SPEC's. FOR CONCRETE REQUIREMENTS.
9. PROVIDE ISOLATION JOINTS TO ISOLATE COLUMNS & OTHER FLOOR PENETRATIONS.
10. SEE DETAILS FOR CONTROL JOINT AT POURED CONCRETE WALLS.
11. REFER TO ARCHITECTURAL DRAWINGS FOR ANY REQUIRED FLOOR DRAINS / SLAB PITCHES.

FOUNDATION WALL SCHEDULE		
MARK	WIDTH	REINFORCEMENT
FW-1	10"	#4 BAR @ 16" O.C. VERT. CENTERED & #4 BAR @ 10" O.C. HORIZ.
FW-2	6"	SEE TYPICAL STOOP DETAIL

FOOTING SCHEDULE				
MARK	WIDTH	LENGTH	DEPTH	REINFORCEMENT
F-1	3' - 0"	4' - 0"	1' - 0"	(3) #5 BARS LONG DIRECTION, (5) #5 BARS SHORT DIRECTION

STRIP FOOTING SCHEDULE			
MARK	WIDTH	DEPTH	REINFORCEMENT
SF-1	2' - 0"	1' - 0"	(2) #5 BARS CONT.
SF-2	1' - 6"	8"	(2) #5 BARS CONT.

PIER SCHEDULE			
MARK	WIDTH	LENGTH	REINFORCEMENT
P1	1' - 4"	2' - 8"	(6) #6 DOWELS & #3 TIES @ 12" O.C.



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

NORTH

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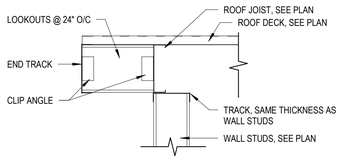
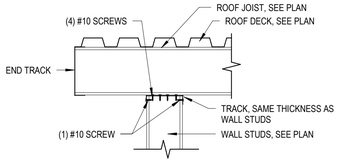
JOB NUMBER: 24191
ISSUED DATE: 05.30.2025
DRAWN BY: JJR
SHEET NUMBER: **S1.0**

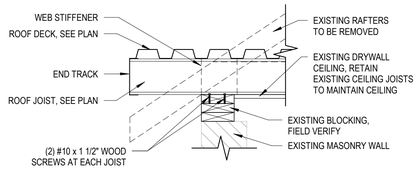
5/30/2025 9:41:51 AM



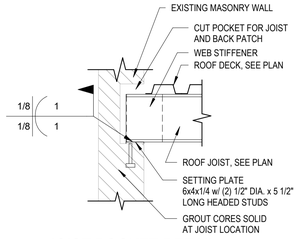
2 WEST OVERHANG DETAIL
1" = 1'-0"



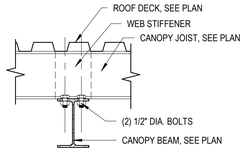
3 LOW EAVE DETAIL
1" = 1'-0"



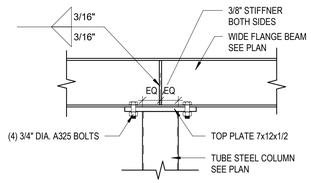
4 LIFT ROOF CONNECTION DETAIL
1" = 1'-0"



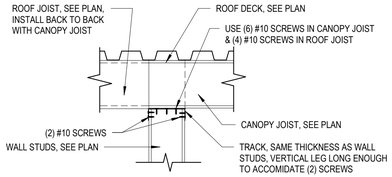
5 JOIST POCKET DETAIL
1" = 1'-0"



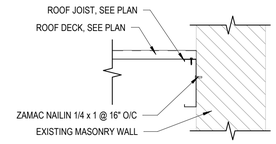
6 CONNECTION TO CANOPY BEAM DETAIL
1" = 1'-0"



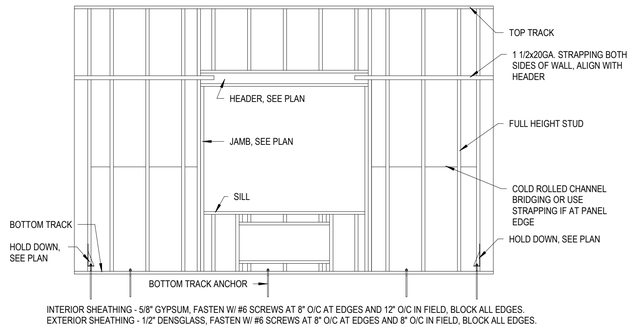
7 TYP. TUBE STEEL COLUMN - TOP CONNECTION
1" = 1'-0"



8 ROOF CONNECTION AT ENTRANCE WALL
1" = 1'-0"

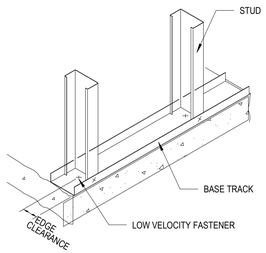


9 ROOF CONNECTION TO EXISTING WALL
1" = 1'-0"

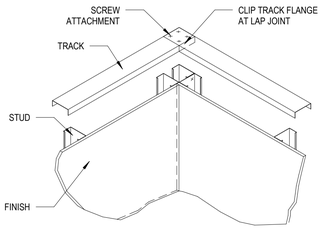


INTERIOR SHEATHING - 5/8" GYPSUM, FASTEN W/ #6 SCREWS AT 8" O/C AT EDGES AND 12" O/C IN FIELD, BLOCK ALL EDGES.
EXTERIOR SHEATHING - 1/2" DENSGLASS, FASTEN W/ #6 SCREWS AT 8" O/C AT EDGES AND 8" O/C IN FIELD, BLOCK ALL EDGES.

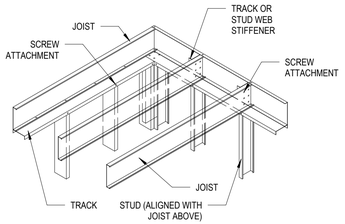
10 WEST SHEAR WALL
NOT TO SCALE



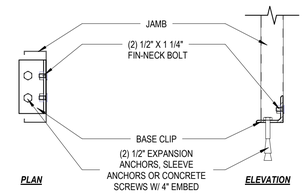
11 BOTTOM TRACK ANCHORAGE (L.V.F.)
NOT TO SCALE



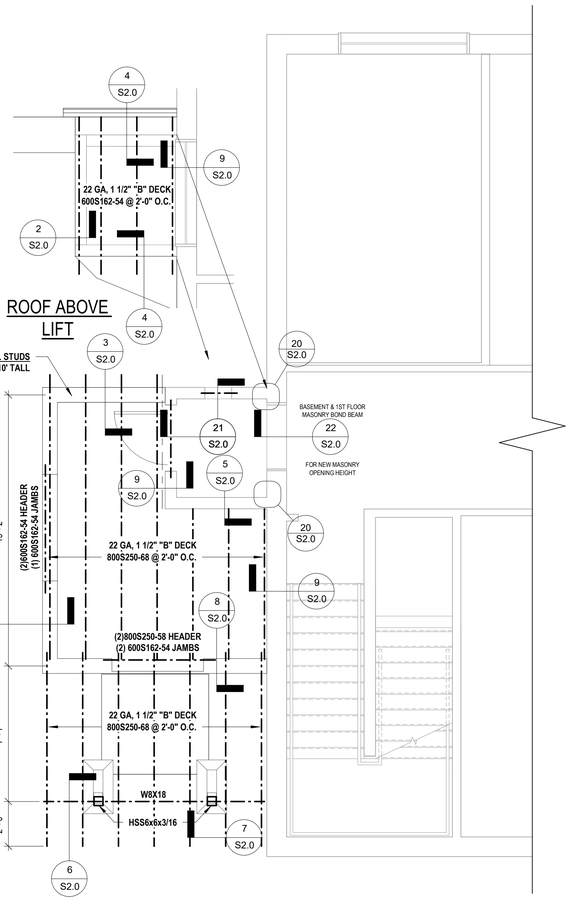
12 CORNER-TRACK LAP CONNECTION
NOT TO SCALE



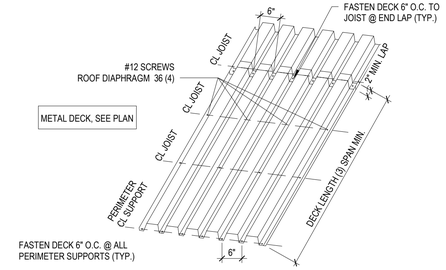
13 TYPICAL CEILING FRAMING
NOT TO SCALE



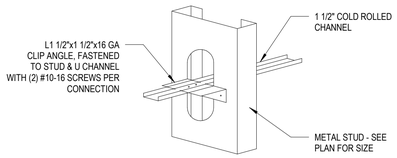
14 JAMB BASE CLIP DETAIL
NOT TO SCALE



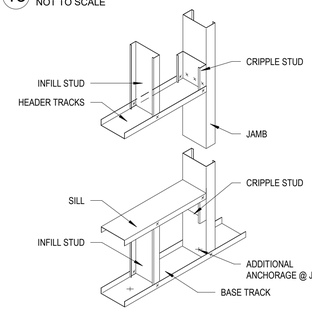
1 ROOF FRAMING PLAN
1/4" = 1'-0"



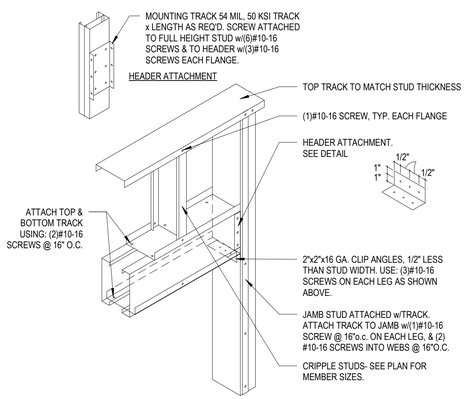
15 STL_DECK FASTENING W/ SCREWS
NOT TO SCALE



16 TYPICAL WALL BRIDGING DETAIL @ 4'-0" O/C
NOT TO SCALE



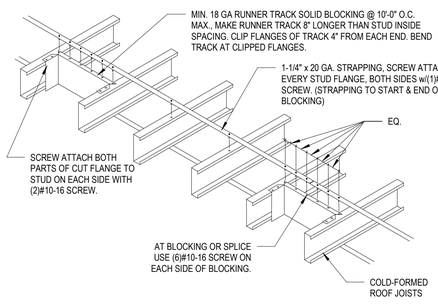
17 NON-LOAD BEARING SINGLE HEADER & JAMB
NOT TO SCALE



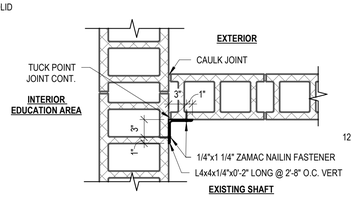
18 TYPICAL BOX HEADER DETAIL
NOT TO SCALE

BLOCKING NOTE:
PLACE SOLID BLOCKING AT ENDS OF ROOF SYSTEM, ADJACENT TO ALL OPENINGS, & AT 10'-0" O.C., MAX.

STRAP NOTE:
TOP STRAP NOT REQUIRED IF CONTINUOUSLY ATTACHED RIGID SHEATHING IS USED. TEMPORARY BRACING OF TOP FLANGE DURING CONSTRUCTION MAY BE REQUIRED

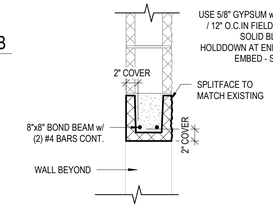


19 TYPICAL JOIST BRIDGING DETAIL
NOT TO SCALE

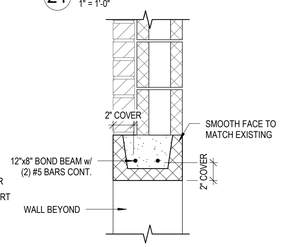


VERIFY LIFT CLEARANCE REQUIREMENTS w/ LIFT MANUFACTURER SHOP DRAWINGS

20 CORNER MASONRY CONNECTION
1" = 1'-0"



21 8" CMU BOND BEAM
1" = 1'-0"



22 12" CMU BOND BEAM
1" = 1'-0"

NORTH

StrucRite
Architectural & Engineering Services
707 N. Grand Ave. - Suite 102
Waukesha, WI 53186
262.549.3222 · www.srdinc.biz

Moravian Church - Lift Vestibule

510 Cole St.
Watertown, WI 53094

REVISIONS

No.	DATE	DESCRIPTION

CONSTRUCTION DOCUMENTS

SHEET TITLE: FRAMING PLANS
JOB NUMBER: 24191
ISSUED DATE: 05.30.2025
DRAWN BY: JJR
SHEET NUMBER: **S2.0**

5/30/2025 9:41:55 AM

GENERAL REQUIREMENTS

A. NOTES & DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.

B. ALL MATERIALS AND WORK PERFORMED SHALL CONFORM TO THE REQUIREMENTS OF THE WISCONSIN ADMINISTRATIVE CODE INCLUDING LOCAL ORDINANCES AND AMENDMENTS.

C. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT AND ENGINEER.

DESIGN CRITERIA

A. IBC 2015

B. ASCE 7-10

DESIGN METHOD

A. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS-2015)

B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318-2014);

C. SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (AISC 13TH EDITION);

D. SPECIFICATION FOR DESIGN OF COLD FORMED STRUCTURAL MEMBERS (AISI 2012);

E. BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES (TNS 402-13/ACI 530-13)

DESIGN LOADS

ROOF	30.0 PSF	GROUND SNOWLOAD
	21.0 PSF	ROOF SNOWwiCt=1.0
	23.1 PSF	ROOF SNOWwiCt=1.1
	25.2 PSF	ROOF SNOWwiCt=1.2
		SEE DRAWINGS FOR SNOW DRIFTS AND UNBALANCED LOADING
	5 PSF	COLLATERAL LOAD
WIND	115 MPH	EXP B PER ASCE 7-10
		ENCLOSED BUILDINGS
SEISMIC	D	SITE CLASS
	II	SEISMIC GROUP
	SDS	7.8 %
	SD1	7.50%
	B	SEISMIC USE GROUP

EROSION CONTROL NOTES

A. GRADING AND DEVELOPMENT SITE DISTURBANCE SHALL CONFORM TO PLANS AND SPECIFICATIONS. TEMPORARY EROSION CONTROL METHODS AND SCHEDULE FOR IMPLEMENTATION SHALL BE REVIEWED BY THE ENGINEER PRIOR TO COMMENCING WORK.

B. TEMPORARY EROSION CONTROL MEASURES SHALL CONFORM TO PRACTICES AND RECOMMENDATIONS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES AND BEST MANAGEMENT PRACTICES.

C. EXPOSED SOIL FROM GRADING OPERATIONS SHALL BE RESEEDED WITHIN 7 DAYS. USE COMMON 65% KENTUCKY BLUEGRASS 20% FINE FESCUES 15% RYEGRASS SEED MIXTURE AT THE RATE 7 POUNDS PER 1000 SQUARE FEET AREA WITH STRAW OR BURLAP COVERING TO RETAIN SURFACE MOISTURE UNTIL NEW GRASS IS ESTABLISHED.

D. PROPOSED ALTERNATE EROSION CONTROL MEASURES FROM THOSE DESCRIBED IN THE PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.

E. SOIL OR MUD TRACKED ONTO PUBLIC STREETS SHALL BE CLEANED AT THE END OF EACH WORK DAY.

F. CONTRACTOR SHALL CONTACT DIGGERS HOTLINE AT LEAST 7 DAYS PRIOR TO ANY GRADING OR EXCAVATION TO LOCATE AND FLAG ALL EXISTING UNDERGROUND UTILITIES.

G. UTILITIES IMPACTING THE CONSTRUCTION PLANS SHALL REQUIRE ADDITIONAL DESIGN WORK. REVIEW IMPACTS WITH THE ENGINEER.

H. LOCATION OF ALL KNOWN UTILITIES SHALL BE RECORDED IN AS-BUILT PLANS AT COMPLETION OF WORK.

I. GEOTEXTILE FABRIC USE MIRAFI FILTERWEAVE OR EQUIVALENT TO LINE TRENCHES. FABRIC SHALL BE CONTINUOUS. OVERLAP 12" MINIMUM FOR CONTINUITY. ADD A SEPARATE GEOTECH FABRIC COVER OVER THE TRENCH OVERLAPPING THE SIDE OF THE TRENCH 12". COVER FABRIC WITH 1-1/2" GRAVEL 3" – 6" DEEP.

J. CHECKDAMS WHERE SHOWN IN PLAN SHALL BE CONSTRUCTED OF 2 LAYERS 90 MIL PLASTIC SHEET. WRAP THE SIDES AND BOTTOM OF THE TRENCH 12". SEE DETAIL.

SITE WORK:

A. THE SOIL BEARING CAPACITY IS PRESUMED TO BE 2000 PSF. SOIL ENGINEERS TO VERIFY BEARING CAPACITY AND EXPLORE SUBGRADE TO A DEPTH OF 45' FOR UNSTABLE SOIL CONDITIONS.

B. COMPLETE NORMAL CLEARING AND GRUBBING OPERATIONS OVER THE ENTIRE BUILDING PAD AREA.

C. REMOVE UNSUITABLE MATERIAL BELOW FOUNDATION. THE DEPTH OF REMOVAL IS DICTATED BY THE UNSUITABLE SOILS ENCOUNTERED SUCH AS SILT, ORGANIC MATTER, ROOTS, VEGETATION AND RANDOM FILL MATERIALS, i.e. WOOD, SCRAP METAL, AND MUCK.

D. FILL MATERIALS REQUIRED SHALL BE PLACED IN LIFTS NOT TO EXCEED 9" AND COMPACTED TO 95% RELATIVE COMPACTION AT OPTIMUM MOISTURE CONTENT WITHIN A DISTANCE OF 5 FEET BEYOND THE BUILDING EDGES.

E. PLACE GRANULAR MATERIAL UNDER FOOTINGS & FLOOR SLABS: MINIMUMS 6"

F. BASEMENT WALLS AND RETAINING WALL DESIGNS ARE PREDICATED ON ALL FINAL RESTRAINTS AS SHOWN IN PLANS COMPLETED BEFORE BACKFILLING OPERATIONS ARE FINALIZED.

G. DIFFERENTIAL BACKFILLING BETWEEN INTERIOR AND EXTERIOR OF WALL WHERE OCCURS, SHALL NOT EXCEED 2 FEET.

H. MECHANICAL CONTRACTORS ARE RESPONSIBLE TO COORDINATE PLUMBING AND ELECTRICAL SLAB OPENINGS, CONDUIT AND PIPE RUNS, BLOCKOUTS, AND ALL OTHER SLAB ADJUSTMENTS WITH THE CONCRETE CONTRACTOR.

I. GENERAL CONTRACTOR SHALL REVIEW ALL CHANGES TO FOUNDATION PLANS AND DETAILS WITH THE STRUCTURAL ENGINEER.

FOUNDATION:

A. THE SOIL BEARING CAPACITY IS PRESUMED TO BE 2000 PSF. SOIL ENGINEERS TO VERIFY BEARING CAPACITY AND EXPLORE SUBGRADE TO A DEPTH OF 45' FOR UNSTABLE SOIL CONDITIONS.

B. COMPLETE NORMAL CLEARING AND GRUBBING OPERATIONS OVER THE ENTIRE BUILDING PAD AREA.

C. REMOVE UNSUITABLE MATERIAL BELOW FOUNDATION. THE DEPTH OF REMOVAL IS DICTATED BY THE UNSUITABLE SOILS ENCOUNTERED SUCH AS SILT, ORGANIC MATTER, ROOTS, VEGETATION AND RANDOM FILL MATERIALS, i.e. WOOD, SCRAP METAL, AND MUCK.

D. FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL WITH A CAPACITY OF 2000 PSF, OR ON COMPACTED FILL WITH A BEARING CAPACITY OF NOT LESS THAN 2000 PSF.

E. FILL MATERIALS REQUIRED SHALL BE PLACED IN LIFTS NOT TO EXCEED 9" AND COMPACTED TO 95% RELATIVE COMPACTION AT OPTIMUM MOISTURE CONTENT WITHIN A DISTANCE OF 5 FEET BEYOND THE BUILDING EDGES.

F. WHEN USING COMPACTED FILL TO ACHIEVE THE PROPER GRADE FOR FOUNDATIONS, THE COMPACTED FILL SHALL HAVE A SLOPE OF NOT GREATER THAN 2' HORIZONTAL FOR EVERY 1' VERTICAL.

G. PLACE GRANULAR MATERIAL UNDER FOOTINGS & FLOOR SLABS: MINIMUM 6"

H. BASEMENT WALLS AND RETAINING WALL DESIGNS ARE PREDICATED ON ALL FINAL RESTRAINTS AS SHOWN IN PLANS COMPLETED BEFORE BACKFILLING OPERATIONS ARE FINALIZED.

I. DIFFERENTIAL BACKFILLING BETWEEN INTERIOR AND EXTERIOR OF WALL WHERE OCCURS, SHALL NOT EXCEED 2 FEET.

J. MECHANICAL CONTRACTORS ARE RESPONSIBLE TO COORDINATE PLUMBING AND ELECTRICAL SLAB OPENINGS, CONDUIT AND PIPE RUNS, BLOCKOUTS, AND ALL OTHER SLAB ADJUSTMENTS WITH THE CONCRETE CONTRACTOR.

K. GENERAL CONTRACTOR SHALL REVIEW ALL CHANGES TO FOUNDATION PLANS AND DETAILS WITH THE STRUCTURAL ENGINEER.

CONCRETE:

A. TRANSIT MIXED CONCRETE SHALL CONFORM TO ASTM C94 SPECIFICATION FOR READY-MIXED CONCRETE.

B. THE WATER CEMENT RATIO SHALL BE KEPT TO A MINIMUM, AND CONCRETE SLUMP SHALL NOT EXCEED 4 INCHES WHEN TESTED IN ACCORDANCE WITH ASTM C143.

C. CONCRETE SHALL HAVE THE REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS WHEN TESTED ACCORDING TO ASTMC39 AS FOLLOWS:

SLAB	4000 PSI
FOUNDATION	3000 PSI
TILT UP WALLS	SEE SHOP DRAWINGS
RETAINING WALLS	3000 PSI
GROUT FOR BASE PLATES	4000 PSI
DOCK WALLS	3000 PSI

D. PORTLAND CEMENT SHALL CONFORM TO ASTM C150 SPECIFICATION FOR PORTLAND CEMENT.

E. FINE AND COURSE AGGREGATES SHALL CONSIST OF CLEAN, HARD, STRONG AND DURABLE INERT MATERIAL, FREE OF INJURIOUS AMOUNTS OF DELETERIOUS SUBSTANCES AND CONFORM TO ASTM C33 SPECIFICATION FOR CONCRETE AGGREGATES.\

F. MIXING WATER SHALL BE FREE OF ANY ACID, ALKALI, OIL OR ORGANIC MATERIAL THAT MAY INTERFERE WITH THE SETTING OF THE CEMENT.

G. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED. THE ENGINEER SHALL APPROVE ALL ADMIXTURES.

H. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, BARS TO BE WELDED SHALL BE IDENTIFIED AS GRADE 60W.

I. WELDED WIRE FABRIC OR GAGE AND SPACING SPECIFIED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A82
1. MANUFACTURING AND WAREHOUSE AREA SLABS: 6x6-W2.9xW2.9
2. OFFICE AREA SLABS: 6x6-W1.4xW1.4

J. REINFORCING SHALL HAVE THE MINIMUM COVER REQUIREMENTS AS INDICATED IN ACI-318, LATEST EDITION WITH THE FOLLOWING MINIMUM VALUES:
1. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
2. FORM CAST AND PERMANENTLY EXPOSED TO EARTH OR WEATHER: 1-1/2" FOR #5 BAR AND SMALLER, AND 2" FOR #6 BAR AND LARGER.

K. DIMENSIONS OF THE FINISHED PRODUCT SHALL BE WITHIN THE TOLERANCES OF ACI 117, LATEST EDITION.

L. ALL CONCRETE SHALL CURE A MINIMUM OF 7 DAYS. IF FORMS ARE REMOVED BEFORE THE END OF THE CURING PERIOD, COAT NEWLY EXPOSED SURFACES WITH LIQUID CURING COMPOUND.

M. USE CURE-SEAL-HARDENER: ASHFORD FORMULA, ON THE FLOORS, A WATER-BASED CHEMICALLY REACTIVE PENETRATING SEALER AND HARDENER THAT SEALS BY DENSIFYING CONCRETE SO THAT WATER MOLECULES CANNOT PASS THROUGH BUT AIR AND WATER VAPOR CAN, AND ALLOWS CONCRETE TO ACHIEVE FULL COMPRESSIVE STRENGTH, MINIMIZING SURFACE CRAZING AND ELIMINATING DUSTING. INSTALL PER MANUFACTURES SPECIFICATIONS.
1. *(Specifier note – optional spec info:)*
2. ABRASION RESISTANCE TO REVOLVING DISKS: AT LEAST A 32.5% IMPROVEMENT OVER UNTREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM C779.
3. SURFACE ADHESION: AT LEAST A 22% INCREASE IN ADHESION FOR EPOXY WHEN TESTED IN ACCORDANCE WITH ASTM D3359.
4. HARDENING: AS FOLLOWS WHEN TESTED IN ACCORDANCE WITH ASTM C39:
   a. AFTER 7 DAYS: AN INCREASE OF AT LEAST 40% OVER UNTREATED SAMPLES.
   b. AFTER 28 DAYS: AN INCREASE OF AT LEAST 38% OVER UNTREATED SAMPLES.
5. COEFFICIENT OF FRICTION: 0.86 DRY, 0.69 WET, WHEN TESTED IN ACCORDANCE WITH ASTM C1028.
6. REBOUND NUMBER: AN INCREASE OF AT LEAST 13.3% OVER UNTREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM C805.
7. LIGHT EXPOSURE DEGRADATION: NO EVIDENCE OF ADVERSE EFFECTS ON TREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM G23.

N. PROVIDE DOWELS IN WALL FOOTINGS WITH EQUAL SIZE AND SPACING AS VERTICAL WALL, UNLESS NOTED OTHERWISE.

O. USE NON-SHRINK, NON-METALLIC GROUT UNDER BASE PLATES AS INDICATED ON THE DRAWINGS.

P. THE CONCRETE CONTRACTOR SHALL COORDINATE ALL OTHER TRADES FOR SIZE AND LOCATION OF OPENINGS IN WALL AND FLOORS. ALL OPENINGS IN STRUCTURAL CONCRETE SHALL BE DETAILED OR APPROVED BY THE ENGINEER.

Q. PLACE STEEL REINFORCEMENT AS PER CRSI STANDARDS.

R. STEEL DESIGNATED CONTINUOUS (CONT.) #6 BARS OR SMALLER SHALL USE 33 INCH MINIMUM LAP LENGTH.

S. PROVIDE SAWCUT CONTROL JOINTS AS SHOWN IN FOUNDATION PLANS OR AT SPACING NOT GREATER THAN 3X THE SLAB THICKNESS. SAWCUTS SHALL BE 1/3 THE SLAB DEPTH. PLACE SAWCUTS 1-1/2 HRS TO 4 HRS AFTER FINISHING BEFORE CONCRETE BEGINS TO COOL.

T. HAND TOOLED CONTROL JOINTS MAY BE SUBSTITUTED FOR SAWCUT CONTROL JOINTS.

U. ALL CONSTRUCTION & CONTROL JOINTS THAT ARE REQUIRED TO BE SEALED SHALL BE DONE SO IN ACCORDANCE WITH INSTRUCTIONS OF APPROVED MATERIAL MANUFACTURER. ADJUST CONTROL & CONSTRUCTION JOINTS TO ACHIEVE INSTALLATION PER SEALANT MANUFACTURER'S REQUIREMENTS.

V. ALL ANCHORS THAT WILL BE EPOXY EMBEDDED NEED TO BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS AND STANDARDS. INSTALLER IS RESPONSIBLE FOR PROPER CLEAN OUT OF THE HOLE TO ENSURE THE HOLE IS DRY. INSTALLER IS TO NOTIFY ENGINEER IF VOIDS OR CRACKS ARE PRESENT IN THE DRILLED HOLE.

MASONRY/BRICK

A. MASONRY CONSTRUCTION AND MATERIALS SHALL COMPLY WITH LOCAL AND STATE CODES REQUIREMENTS, SPECIFICATIONS OF NCMA, AND THE FOLLOWING:
1. UNITS SHALL BE FLUSH FACED AND/OR ARCHITECTURAL FACED AS SHOWN ON THE DRAWINGS.
2. UNITS SHALL BE EQUAL TO STANDARD OR SPECIAL SIZE CMU AS MANUFACTURED BY PREMIER BLOCK CORPORATION AND HEBRON BRICK COMPANY CHIPPED, CRACKED AND BROKEN UNITS SHALL NOT BE USED.
3. UNITS SHALL MEET ASTM C90 AND SHALL BE DRY-BLOCK UNITS FOR EXTERIOR MASONRY.
4. UNITS SHALL BE LAID IN RUNNING OR STACKED BOND (SEE DRAWINGS). SINGLE WYTHE OR BACKUP WYTHE WALLS SHALL HAVE STANDARD GALVANIZED "DUR-O-WAL" OR EQUAL LADDER TYPE REINFORCING AT 16" ON CENTER. LAP ALL REINFORCEMENT 6". VERTICAL AND HORIZONTAL REINFORCING BARS SHALL BE ASTM A615 GRADE 60.MORTAR SHALL BE CEMENT-LIME TYPE M OR S (f'm=1800) WITH DRY-BLOCK ADDITIVE PER MANUFACTURERS RECOMMENDATIONS ON EXTERIOR MASONRY. USE TYPE M BELOW GRADE, TYPE S ABOVE GRADE.
5. UNITS SHALL HAVE CONCAVE TOOL JOINTS FOR WEATHER TIGHTNESS. JOINTS SHALL BE CLEAN, STRAIGHT, PLUMB, LEVEL AND UNIFORM.
6. ALL MASONRY WORK SHALL BE PERFORMED BY SKILLED WORKMEN IN A COMPETENT MANNER AND SHALL BE PROPERLY INSPECTED.

B. POUR BOND BEAMS FULL WITH 2,000 PSI, GROUT PER ASTM C476 AND REINFORCE WITH MINIMUM 1 #4 DEFORMED REINFORCING BAR PER 4" THICKNESS OR AS DETAILED ON THE DRAWINGS. LAP LENGTHS OF HORIZONTAL BARS TO BE 48 BAR DIAMETERS. STRUCTURAL BOND BEAM LINTELS SHALL HAVE NO LAPPED SPLICES.

C. WHERE PRECAST OR POURED IN PLACE REINFORCED MASONRY LINTELS ARE PROVIDED, MAINTAIN MINIMUM 8" SOLID BEARING ON EACH SIDE OF OPENING BY FILLING CORES WITH GROUT (3) COURSES BELOW BEARING OR AS INDICATED ON PLANS.

D. WHERE DRAWINGS CALL FOR CORE OR CORES OF BLOCK TO BE REINFORCED VERTICALLY, TAKE CARE THAT SAID CORE(S) ARE KEPT CLEAR AND FREE OF MORTAR WHILE LAYING OF CMU. WHEN (2) BARS ARE TO BE PLACED IN ONE CORE, PROVIDE BAR POSITIONERS TO INSURE PROPER PLACEMENT OF REINFORCING. FILL CORE OR CORES OF CMU WITH 2000 PSI GROUT PER ASTM C476 WITH A SLUMP BETWEEN 8 AND 11 AND CONSOLIDATE BY PUDDLING OR VIBRATING. VIBRATING REQUIRED ON MASONRY LESS THAN 12" IN WIDTH, AND FOR LIFTS GREATER THAN 12" IN HEIGHT. VERTICAL LIFTS SHALL NOT BE MORE THAN 5'-0". VERTICAL REINFORCING BARS SHALL HAVE LAP LENGTHS OF 48 BAR DIAMETERS.

E. PROVIDE 3/8" DIAMETER X 8" ANCHOR BOLTS AT 4'-0" ON CENTER FOR ALL PRESSURE TREATED ROUGH WOOD AT TOP OF MASONRY WALLS UNLESS NOTED OTHERWISE ON DRAWINGS.

F. INSTALL WEEP VENTS AT TOP AND BOTTOM COURSE OF BLOCK, ABOVE LINTELS AND BOND BEAMS AT 32" ON CENTER OR AS INDICATED ON THE DRAWINGS.

G. ALL EXTERIOR CONCRETE MASONRY SURFACES SHALL BE SEALED WITH (2) COATS TAMMS CHEM-STOP WATER REPELLENT SEALER UNLESS SPECIFIED ON THE DRAWINGS TO BE PAINTED. INSTALL PER MANUFACTURERS RECOMMENDATIONS.

H. FLASHING SHALL BE PERM-A-BARRIER FLASHING BY W.R. GRACE WITH STAINLESS STEEL METAL DRIP EDGE OR EQUIVALENT. INSTALL FLASHING AT BOTTOM COURSE OF BLOCK, ABOVE OPENINGS AND ABOVE BOND BEAMS IN EXTERIOR WALLS. INSTALL PER MANUFACTURERS RECOMMENDATIONS.

I. CONTROL JOINTS SHALL BE SPACED A MAXIMUM 30' ON CENTER AND 10' FROM CORNERS PER NCMA REQUIREMENTS, AT COLUMNS THAT ARE INSIDE THE WALL OR AS INDICATED ON PLANS. CONTROL JOINTS TO ALIGN WITH EXPOSED CONCRETE FOUNDATION WALL JOINTS IF APPLICABLE.

J. PREMIUM COLOR MASONRY UNITS AS SELECTED UNLESS COLOR SCHEDULE AND AGGREGATE SHOWN WITHIN PLANS.

STRUCTURAL STEEL

A. PRIME PAINT RED.

B. ALL STRUCTURAL STEEL SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF ASTM AND SHALL BE FABRICATED AND ERECTED ACCORDING TO AISC SPECIFICATIONS.

C. ALL SHOP AND FIELD BOLTED CONNECTIONS SHALL USE A325 BOLTS AND NUTS, UNLESS OTHERWISE NOTED. INSTALL BOLTS AND NUTS PER AISC.

D. STEEL FABRICATOR & SUPPLIER SHALL DESIGN CONNECTION FOR THE LOADS INDICATED ON THE DRAWINGS. CONNECTIONS SHALL BE SHOP WELDED AND FIELD BOLTED.

E. STEEL FABRICATOR & SUPPLIER SHALL SUBMIT DIGITAL (PDF) ERECTION/SHOP DRAWINGS FOR DESIGN CONCEPT APPROVAL.

F. WELDING SHALL CONFORM TO THE LATEST EDITION OF AWS D1.1 AND ALL WELDERS ARE TO BE CERTIFIED.

G. ANY FIELD MODIFICATIONS TO STEEL WILL REQUIRE APPROVAL BY THE ENGINEER OF RECORD.

H. BASIC BOLTED CONNECTIONS ARE DESIGNED AS TYPE "BEARING N" UNLESS NOTED OTHERWISE.

I. ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL BUILDINGS" ALLOWABLE STRESS DESIGN, NINTH EDITION.

J. ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1 "STRUCTURAL WELDING CODE".

K. MATERIAL SPECIFICATIONS:

PLATE 1"-12" WIDE AND THROUGH 1.5" THICK	A572 GRADE 50, MODIFIED TO 55 KSI
OTHERS	A-36
BUILT-UP STRUCTURAL WEB MATERIAL	A-607 GRADE 55 OR A507 GRADE 50 w/MIN. YIELD OF 55 KSI
HOT-ROLLED STRUCTURAL	A992 GRADE 50
HSS STRUCTURAL TUBE	A500 GR. B (46 KSI RECT/42KSI ROUND)
STRUCTURAL PIPE	A53 GRADE B (35 KSI)
ROD BRACING	A-36
CABLE BRACING	EHS A475
WELDS	AWS/D1.1 E70XX
HIGH-STRENGTH BOLTS	A-325 OR A-490
MACHINE BOLTS	A-307 GRADE A OR SAE J429 GRADE 2

L. THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT [*THE METAL BUILDING SYSTEM*] IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND [*MBMA STANDARDS*] PERTAINING TO PROPER ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE CORRECT USE OF TEMPORARY GUYS AND BRACING WHERE NEEDED FOR SQUARING, PLUMBING, AND SECURING THE STRUCTURAL AND SECONDARY FRAMING. SECONDARY WALL FRAMING MEMBERS (GIRTS) ARE NOT DESIGNED TO FUNCTION AS A WORK PLATFORM OR PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS. SECONDARY ROOF FRAMING MEMBERS (PURLINS OR BAR JOISTS) ARE NOT DESIGNED TO PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS.

M. ALL HIGH STRENGTH BOLTS ARE TYPE A325 AND ARE TO BE FULLY TIGHTENED BY AN ACCEPTABLE METHOD, SUCH AS "TURN OF THE NUT" METHOD. UNLESS NOTED OTHERWISE, BOLTS IN STANDARD HOLES DO NOT REQUIRE THE USE OF WASHERS, PER ASTM A325, SECTION 5(B).

N. ALL A307 MACHINE BOLTS ARE TO BE BROUGHT TO A "SNUG TIGHT" CONDITION TO ENSURE THAT THE MATERIALS IN THE JOINT ARE BROUGHT INTO GOOD CONTACT WITH EACH OTHER.

O. WASHERS ARE REQUIRED AT ALL SLOTTED CONNECTIONS.
1. AT HOLE TO SLOT CONNECTIONS, ONE WASHER IS REQUIRED ON THE SLOTTED SIDE.
2. AT SLOT TO SLOT CONNECTIONS, TWO WASHERS ARE REQUIRED, ONE ON EACH SIDE OF THE CONNECTION.

P. STRUCRITE, INC., SHALL BE NOTIFIED PRIOR TO ANY FIELD MODIFICATIONS. MODIFICATIONS SHALL BE APPROVED BY STRUCRITE, INC., BEFORE WORK IS UNDERTAKEN.

Q. ALL WELDING MUST BE PERFORMED BY AWS CERTIFIED WELDERS WHO ARE QUALIFIED FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.

BRICK

A. ALL BRICK MATERIALS AND INSTALLATION SHALL COMPLY WITH LOCAL AND STATE CODES, AND SPECIFICATIONS OF THE BRICK INSTITUTE OF AMERICA (BIA). ALL BRICK WORK SHALL BE LAID IN CEMENT AND LIME MORTAR, WITH ALL BRICK FACES FULL BEDDED IN PLACE HAVING BOTH VERTICAL AND HORIZONTAL JOINTS ON STRAIGHT LINES. BRICK VENEER SHALL BE TIED TO MASONRY BACK-UP WITH HOHMANN & BARNARD, INC. LADDER TYPE #270 ADJUSTABLE EYE-WIRE REINFORCEMENT AT 16" ON CENTER VERTICALLY. USE HOHMANN & BARNARD 2 SEAL TIE @ 16" ON CENTER VERTICALLY MAX. 16" ON CENTER TO OTHER BACKUP MATERIALS OR AS NOTED ON DRAWINGS (MAX. 1.77 S.F. SPACING).

B. PROVIDE A 3/8" CONTROL JOINT AT 20'-0" O.C. UNLESS SHOWN OTHERWISE ON PLANS.

C. INSTALL WEEP VENTS AT TOP AND BOTTOM COURSE OF BRICK, AND ABOVE ALL OPENINGS IN EXTERIOR WALLS AT 16" ON CENTER OR AS INDICATED. FLASHING SHALL BE PERM-A-BARRIER FLASHING BY W.R. GRACE OR EQUAL WITH STAINLESS STEEL METAL DRIP EDGE. INSTALL FLASHINGS AT BOTTOM COURSE OF BRICK AND ABOVE ALL OPENINGS IN EXTERIOR WALLS.

HEATING AND VENTILATION WORK

A. REQUIREMENTS
1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.
2. SEPARATE PLANS AND CALCULATIONS SHALL BE SUBMITTED BY CONTRACTOR FOR APPROVAL AS THE HEATING AND VENTILATING WORK IS NOT A PART OF THIS PLAN.
3. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE OF U.L. APPROVED METHODS.

ELECTRICAL WORK

A. REQUIREMENTS
1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.
2. SEPARATE PLANS AND CALCULATIONS SHALL BE SUBMITTED TO STATE AND LOCAL AGENCIES BY CONTRACTOR FOR APPROVAL AS THE ELECTRICAL WORK IS NOT A PART OF THIS PLAN.
3. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE OF U.L. APPROVED METHODS

B. AUTOMATIC SMOKE DETECTION SYSTEM (NOTE: DO NOT INCLUDE UNLESS REQUIRED)
1. SMOKE DETECTION SYSTEM SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES, AND N.F.P.A. STANDARDS 71, 72B, 72C, 72D, 72E.
2. AUTOMATIC DETECTION PRODUCTS SHALL BE AN APPROVED SYSTEM, MEETING FEDERAL, STATE AND LOCAL CODES.
3. ALL SMOKE DETECTORS SHALL BE BOTH AUDIBLE AND VISUAL AS REQUIRED BY THE A.D.A.

SEALANTS

A. CAULK AROUND ALL WINDOWS, DOORS, VENT OPENINGS, WHERE DIFFERENT MATERIALS MEET, ROOF OPENINGS, EAVES, SOFFITS, JOINTS, COUNTERTOPS, DOOR FRAMES, ETC. AND AS REQUIRED FOR A WATERTIGHT CONNECTION. PROVIDE CAULK PER MANUFACTURERS RECOMMENDATIONS. CAULK TO BE TREMCO DYMERIC FOR FOOD PROCESSING FACILITIES OR FOOD PREP/FOOD STORAGE AREAS. CAULK TO BE INSTALLED AFTER FINISH IS APPLIED TO SURFACES PER MANUFACTURER.

FIRE EXTINGUISHERS

A. REQUIREMENTS
1. CONTRACTOR TO FURNISH AND INSTALL EXTINGUISHERS PER LOCAL, STATE, AND FEDERAL CODES, AND N.F.P.A. NO.10-1978.
2. MOUNT FIRE EXTINGUISHER NOT HIGHER THAN 48" ABOVE FINISH FLOOR UNLESS LOCAL REGULATIONS REQUIRE DIFFERENT HEIGHT.
3. ALL FIRE EXTINGUISHERS AND CABINETS TO MEET THE REQUIREMENTS OF THE A.D.A.

STEEL ROOF DECK

A. USE A MINIMUM 22GA PTD. 1-1/2 INCH WIDE RIB, UNLESS NOTED DIFFERENTLY ON THE DRAWINGS.
B. PANEL TO SPAN A MINIMUM OF THREE SPANS AND ALLOW FOR A MINIMUM OF 3" OVERLAP AT CENTERLINE OF JOISTS.
C. DO NOT HANG OR ATTACH EQUIPMENT, MATERIALS, OR ANY LOADS TO THE METAL ROOF DECK.
D. SEE DRAWINGS FOR FASTENER TYPE AND PATTERN.

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REVISIONS

No.	DATE	DESCRIPTION

CONSTRUCTION DOCUMENTS

SHEET TITLE: SPECIFICATIONS
JOB NUMBER: 24191
ISSUED DATE: 05.30.2025
DRAWN BY: JJR
SHEET NUMBER: **S5.0**

5/30/2025 9:41:56 AM